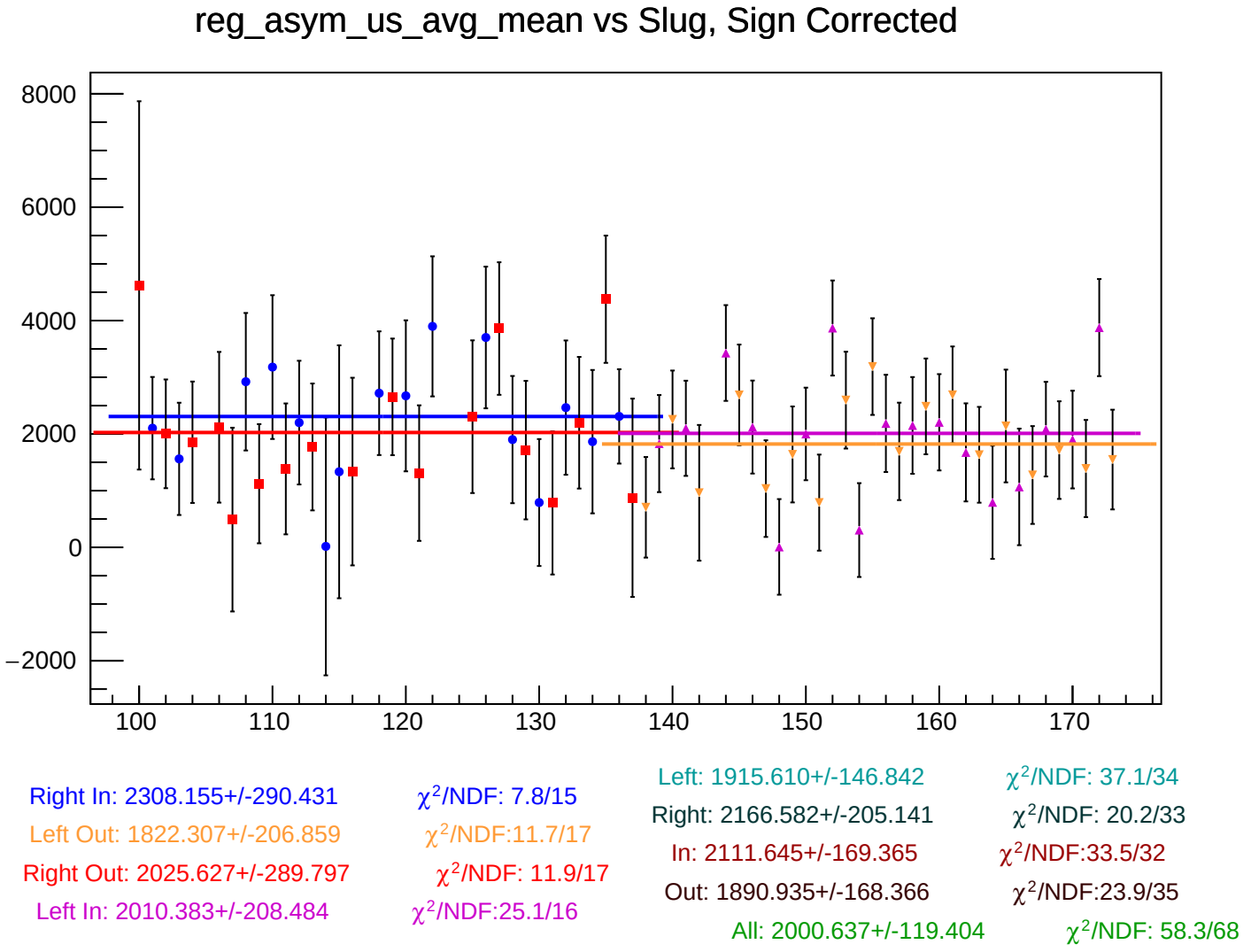
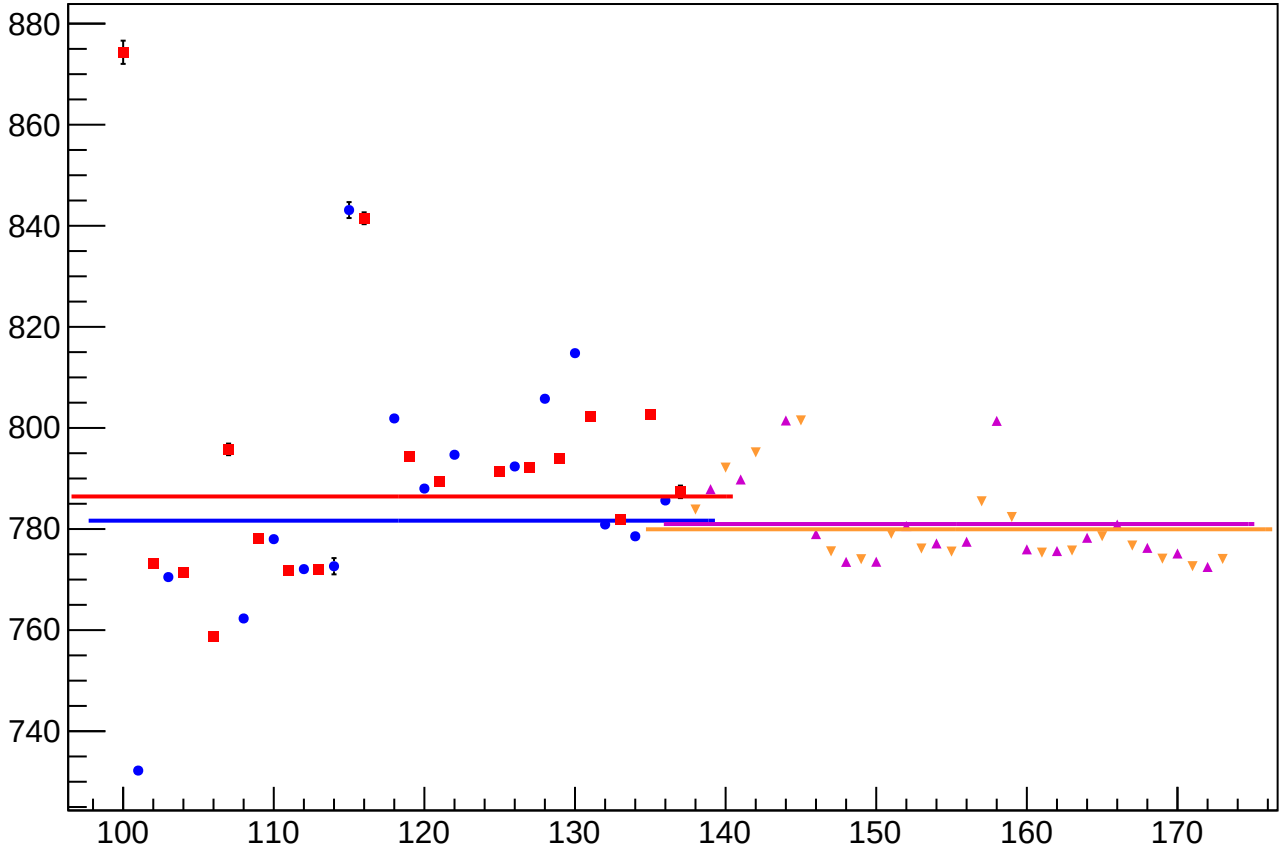

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: 2308.155+/-290.431
χ²/NDF: 7.8/15
Left Out: 1822.307+/-206.859
χ²/NDF:11.7/17
Right Out: 2025.627+/-289.797
χ²/NDF: 11.9/17
Left In: 2010.383+/-208.484
χ²/NDF:25.1/16
Left: 1915.610+/-146.842
χ²/NDF: 37.1/34
Right: 2166.582+/-205.141
χ²/NDF: 20.2/33
In: 2111.645+/-169.365
χ²/NDF:33.5/32
Out: 1890.935+/-168.366
χ²/NDF:23.9/35
All: 2000.637+/-119.404
χ²/NDF: 58.3/68

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 779.950+/-0.146 χ^2/NDF:2746.3/17

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

Left In: 780.992+/-0.147 χ^2/NDF:3597.2/16

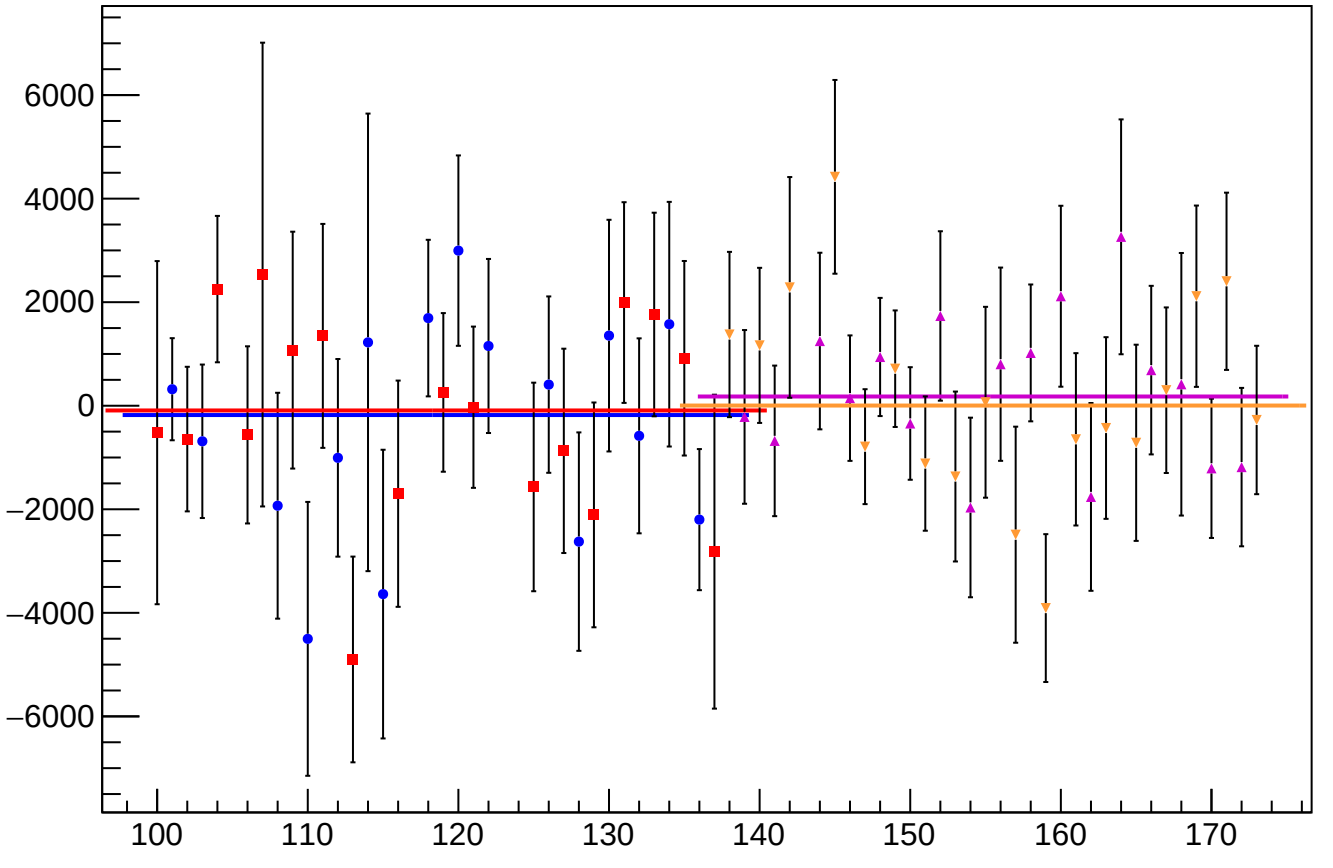
Left: 780.467+/-0.104 χ^2/NDF: 6368.7/34

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

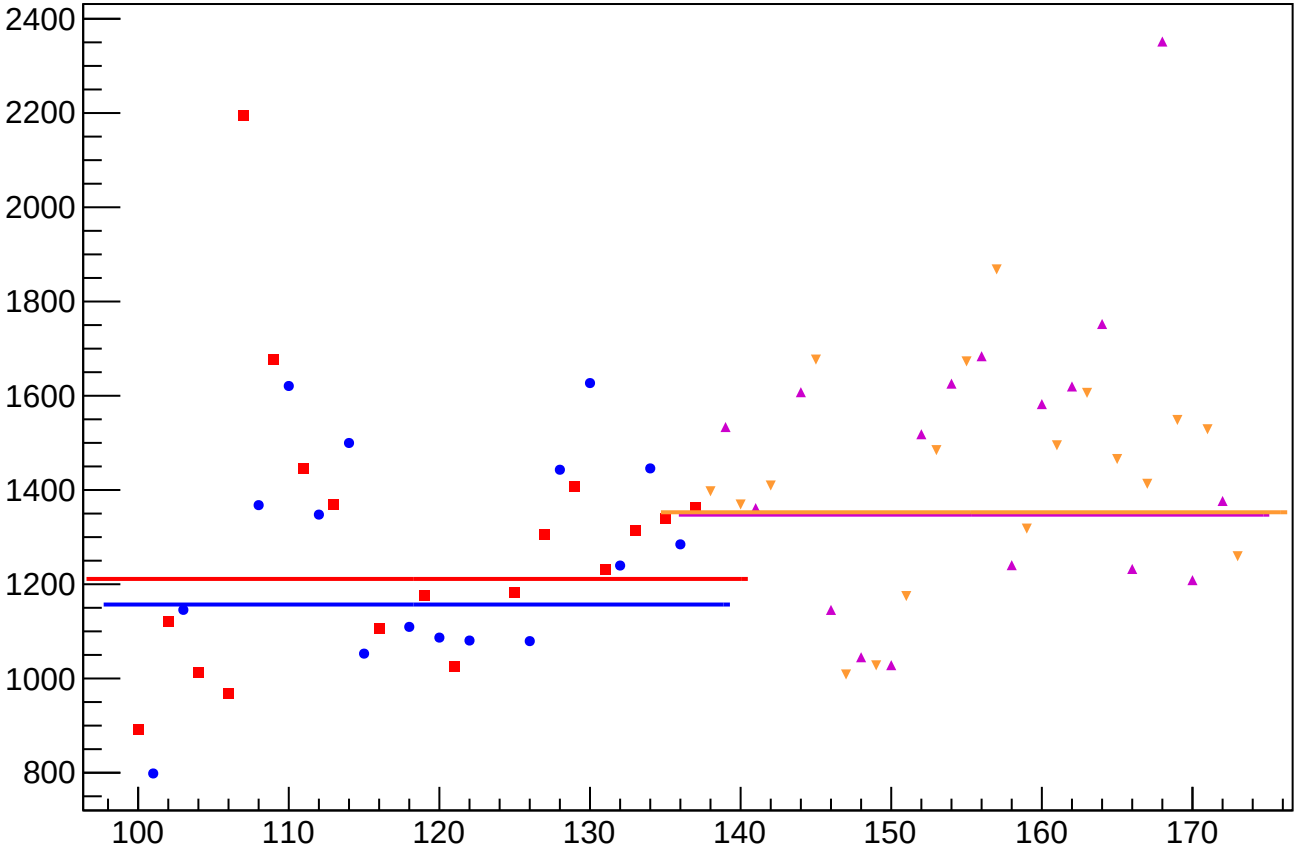
In: 781.217+/-0.120 χ^2/NDF:15923.1/32

Out: 782.142+/-0.119 χ^2/NDF:10613.1/35

All: 781.682+/-0.084 χ^2/NDF: 26566.1/68


asym_us_avg_reg_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -179.929+/-440.772 χ²/NDF: 15.4/15
Left Out: 3.651+/-366.735 χ²/NDF:23.2/17
Right Out: -91.288+/-454.811 χ²/NDF: 15.2/17
Left In: 178.269+/-368.324 χ²/NDF:10.6/16
Left: 90.583+/-259.881 χ²/NDF: 33.9/34
Right: -136.998+/-316.519 χ²/NDF: 30.6/33
In: 30.988+/-282.634 χ²/NDF:26.4/32
Out: -33.756+/-285.486 χ²/NDF:38.4/35
All: -1.059+/-200.853 χ²/NDF: 64.8/68

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1352.750+/-0.259 χ^2/NDF:777236.4/17

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

Left In: 1347.644+/-0.260 χ^2/NDF:1081692.8/16

Left: 1350.208+/-0.184 χ^2/NDF: 1859122.2/34

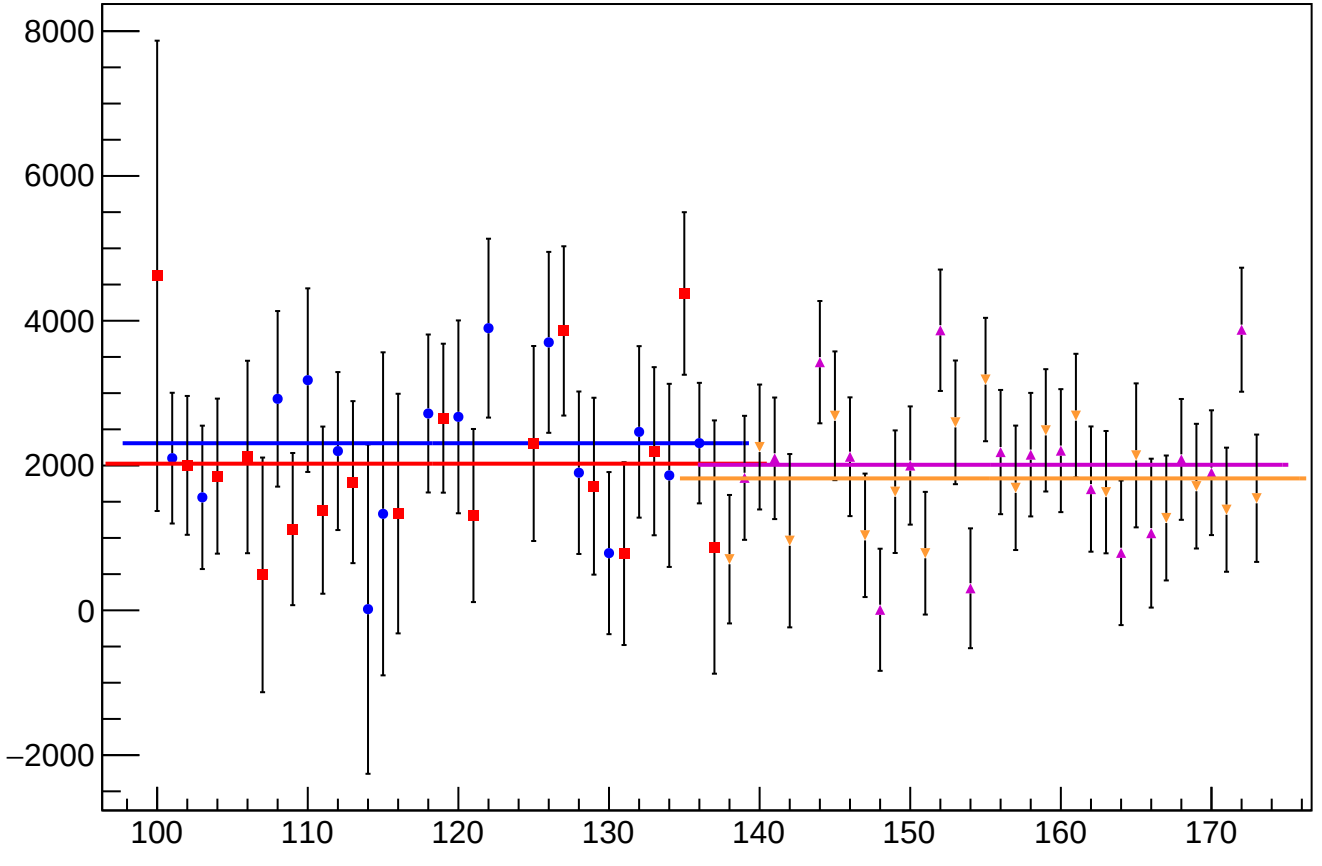
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1269.235+/-0.200 χ^2/NDF:1871244.6/32

Out: 1297.003+/-0.202 χ^2/NDF:1292240.4/35

All: 1282.980+/-0.142 χ^2/NDF: 3173040.2/68

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1822.307+/-206.859 χ^2/NDF:11.7/17

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

Left In: 2010.383+/-208.484 χ^2/NDF:25.1/16

Left: 1915.610+/-146.842 χ^2/NDF: 37.1/34

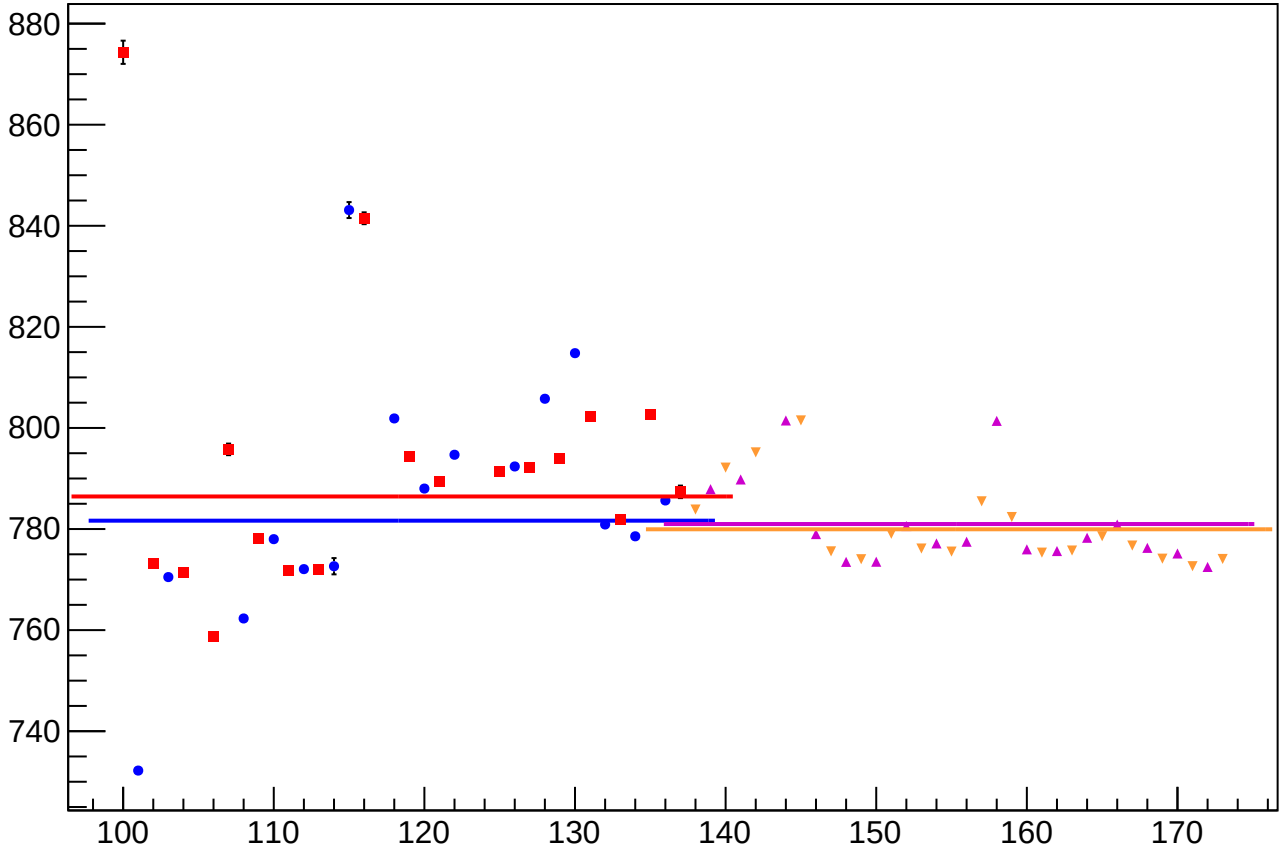
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2111.645+/-169.365 χ^2/NDF:33.5/32

Out: 1890.935+/-168.366 χ^2/NDF:23.9/35

All: 2000.637+/-119.404 χ^2/NDF: 58.3/68

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 779.950+/-0.146 χ^2/NDF:2746.3/17

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

Left In: 780.992+/-0.147 χ^2/NDF:3597.2/16

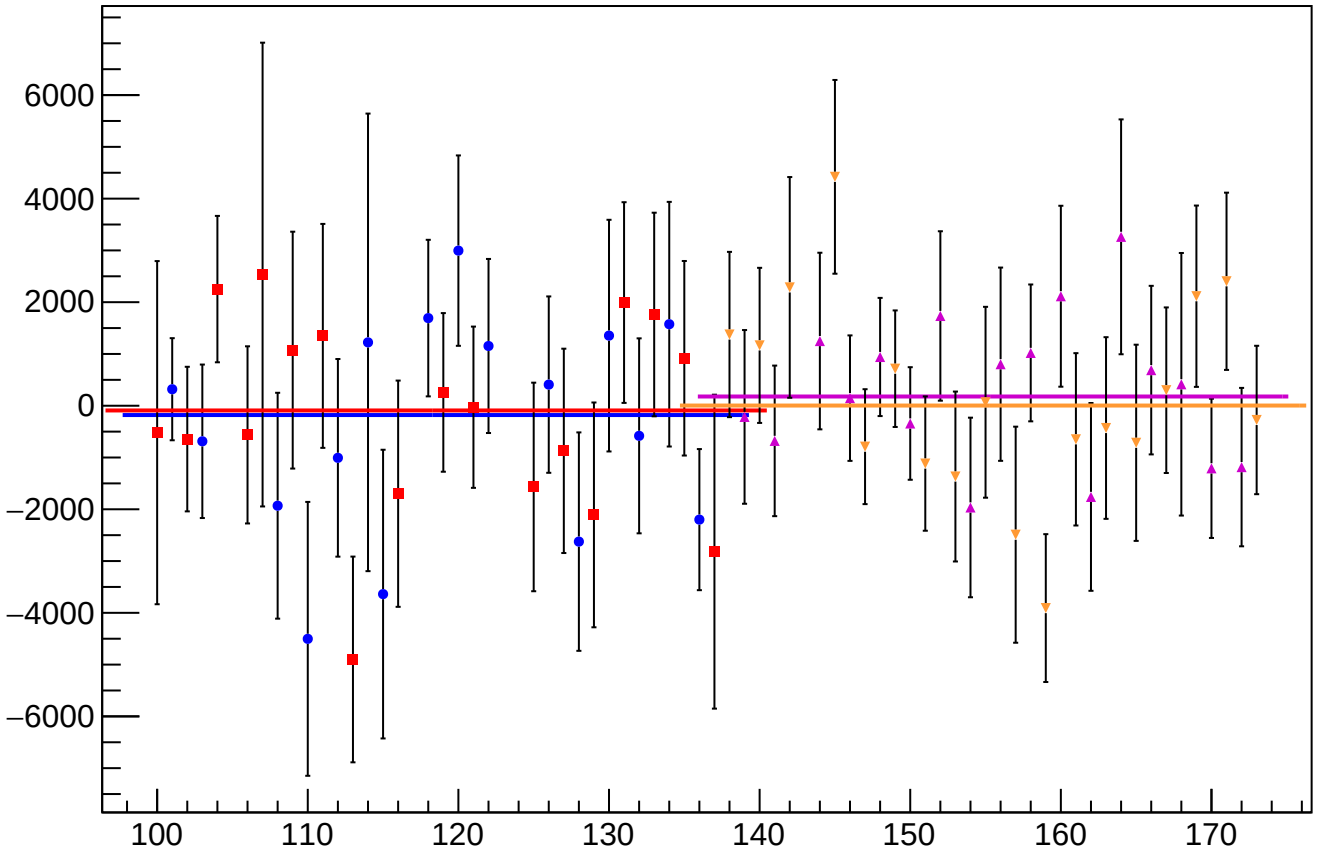
Left: 780.467+/-0.104 χ^2/NDF: 6368.7/34

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

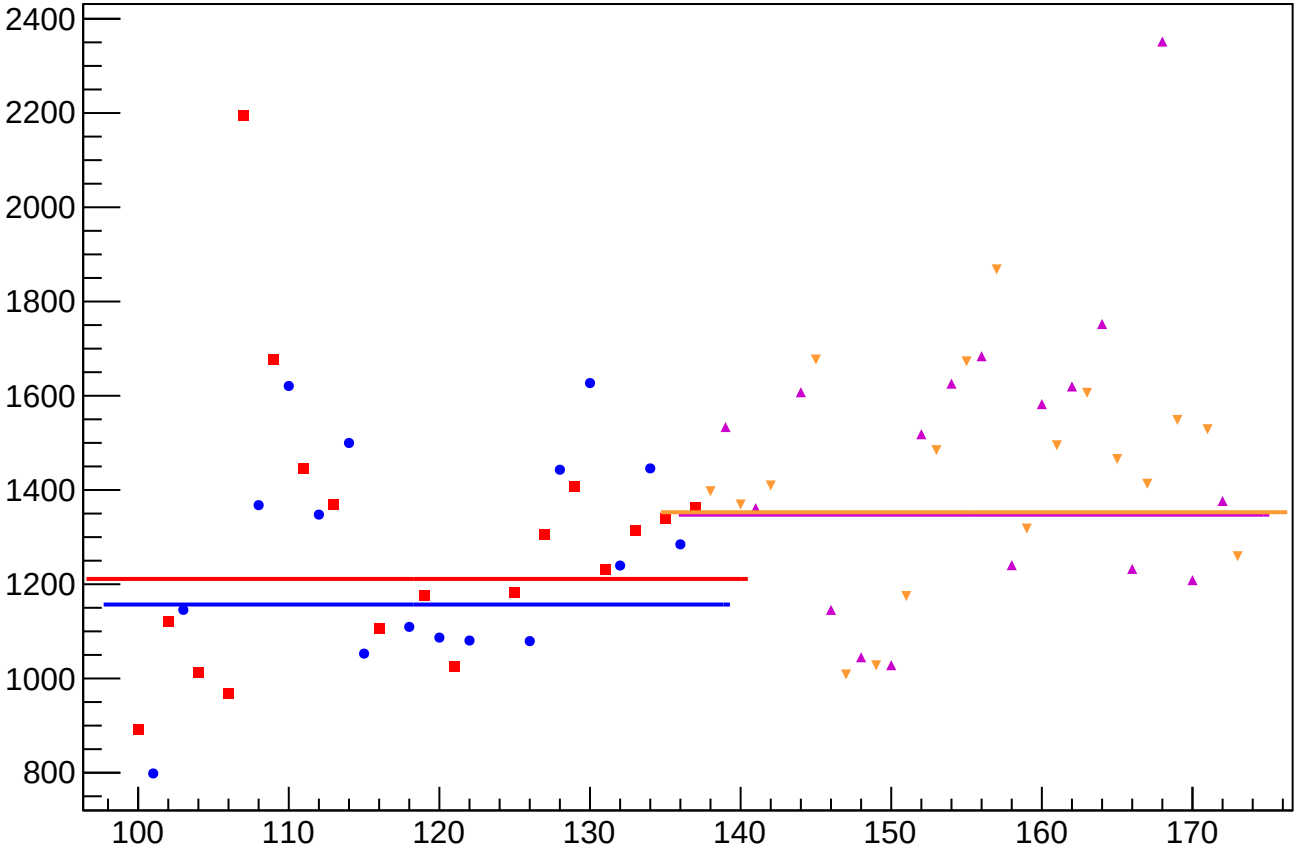
In: 781.217+/-0.120 χ^2/NDF:15923.1/32

Out: 782.142+/-0.119 χ^2/NDF:10613.1/35

All: 781.682+/-0.084 χ^2/NDF: 26566.1/68


asym_us_avg_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -179.929+/-440.772 χ²/NDF: 15.4/15
Left Out: 3.651+/-366.735 χ²/NDF:23.2/17
Right Out: -91.288+/-454.811 χ²/NDF: 15.2/17
Left In: 178.269+/-368.324 χ²/NDF:10.6/16
Left: 90.583+/-259.881 χ²/NDF: 33.9/34
Right: -136.998+/-316.519 χ²/NDF: 30.6/33
In: 30.988+/-282.634 χ²/NDF:26.4/32
Out: -33.756+/-285.486 χ²/NDF:38.4/35
All: -1.059+/-200.853 χ²/NDF: 64.8/68

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1352.750+/-0.259 χ^2/NDF:777236.4/17

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

Left In: 1347.644+/-0.260 χ^2/NDF:1081692.8/16

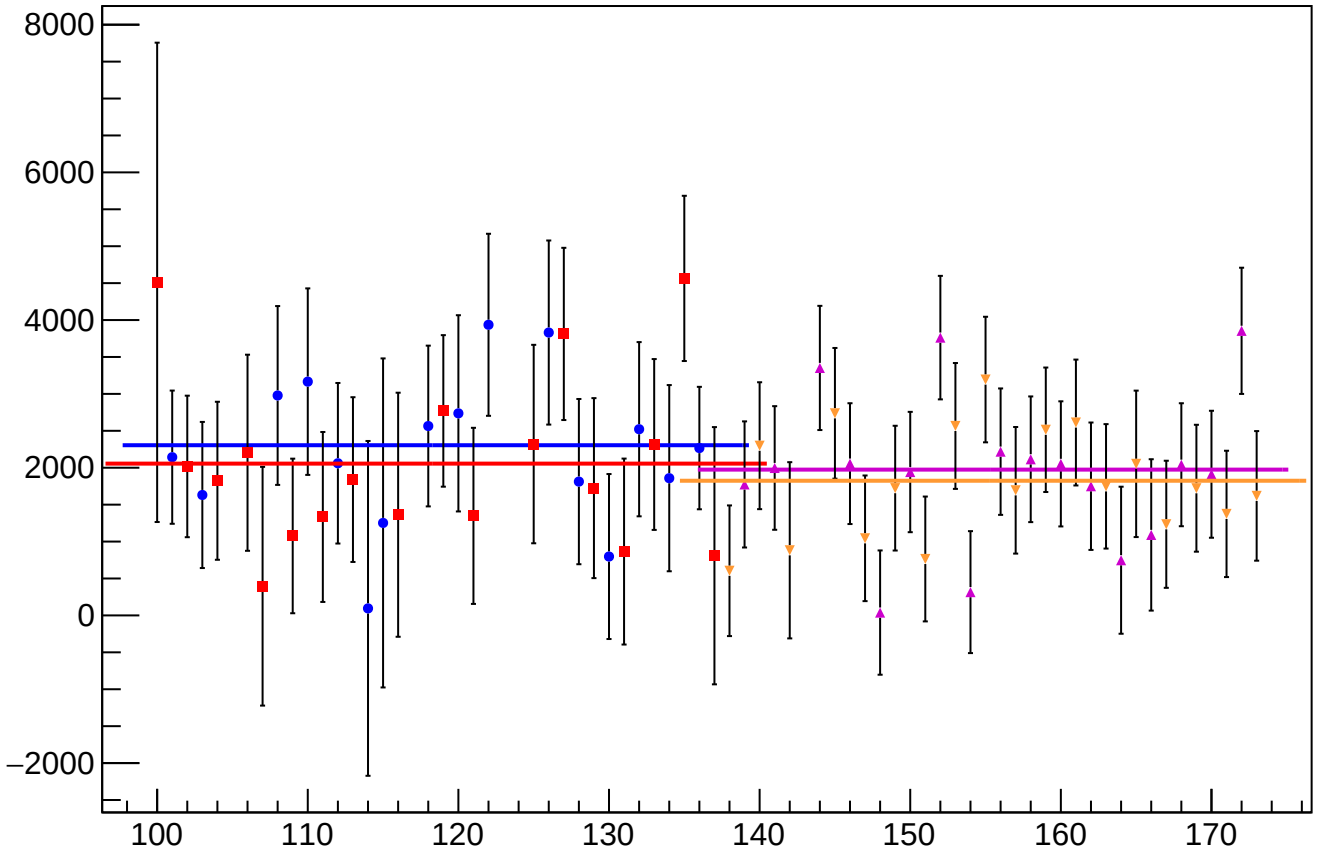
Left: 1350.208+/-0.184 χ^2/NDF: 1859122.2/34

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

In: 1269.235+/-0.200 χ^2/NDF:1871244.6/32

Out: 1297.003+/-0.202 χ^2/NDF:1292240.4/35

All: 1282.980+/-0.142 χ^2/NDF: 3173040.2/68



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

Left Out: 1823.743+/-206.322 χ^2/NDF:12.1/17

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

Left In: 1974.452+/-207.945 χ^2/NDF:23.9/16

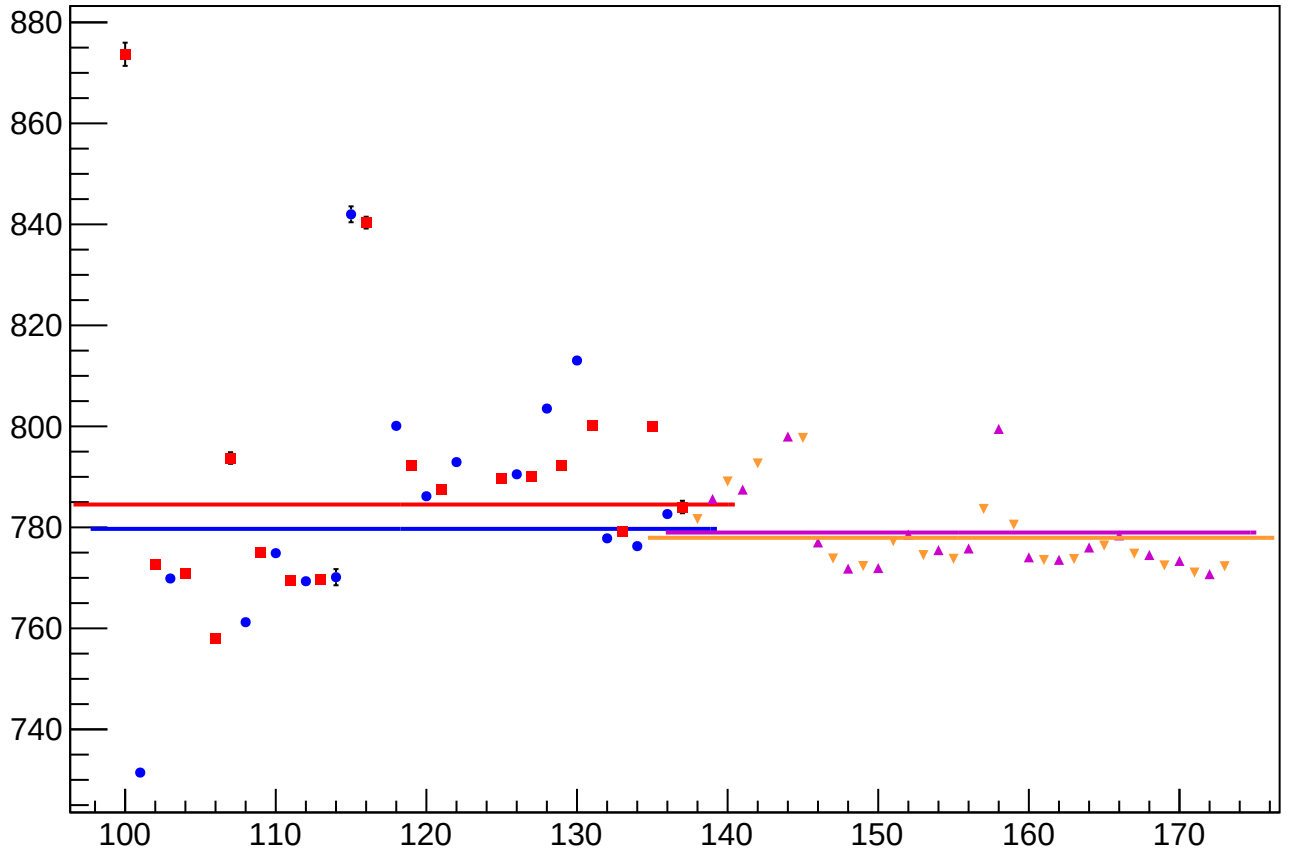
Left: 1898.507+/-146.462 χ^2/NDF: 36.3/34

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

In: 2086.797+/-168.932 χ^2/NDF:32.9/32

Out: 1902.009+/-167.938 χ^2/NDF:25.4/35

All: 1993.858+/-119.100 χ^2/NDF: 58.9/68



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

Left Out: 777.934+/-0.146 χ^2/NDF:2426.3/17

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

Left In: 778.977+/-0.147 χ^2/NDF:3371.5/16

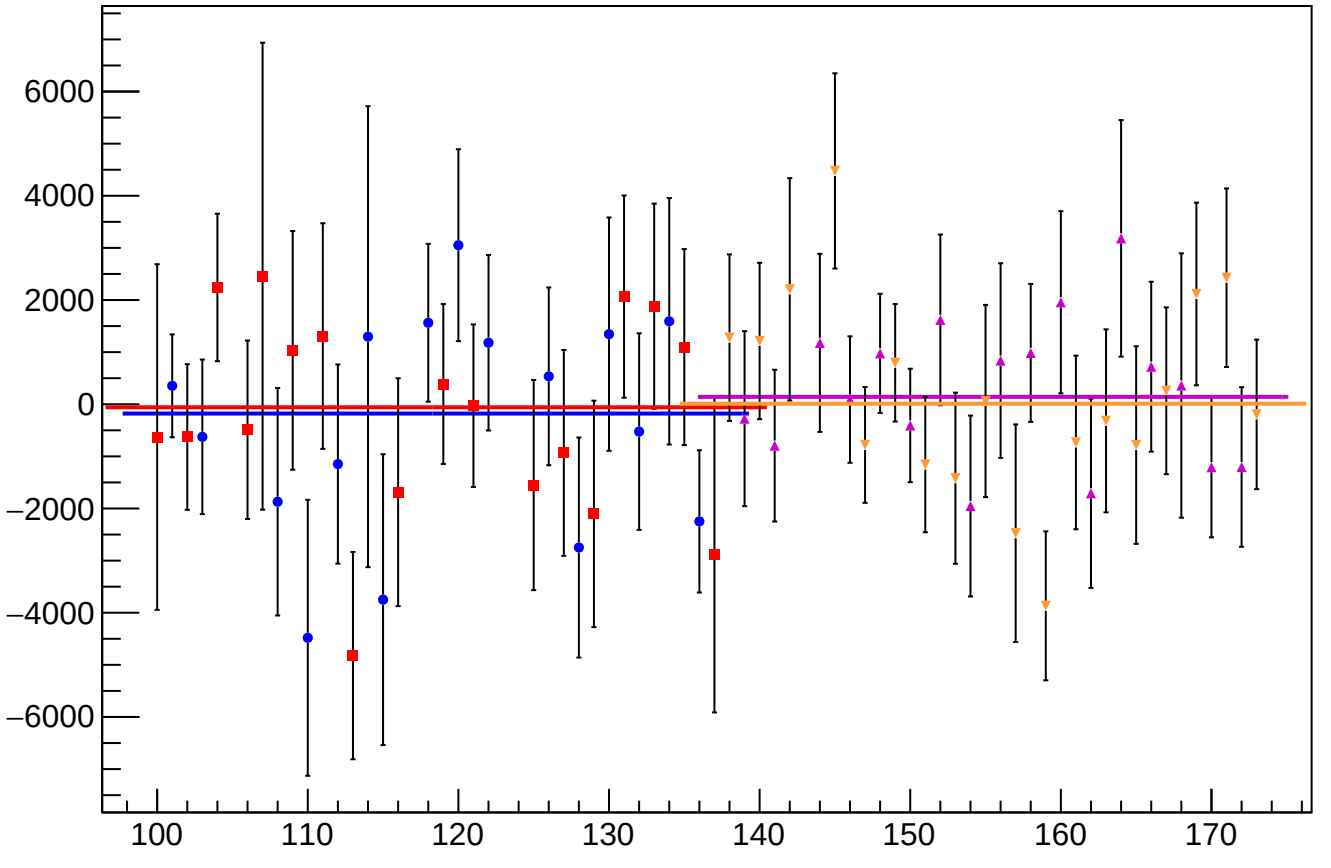
Left: 778.451+/-0.104 χ^2/NDF: 5823.1/34

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

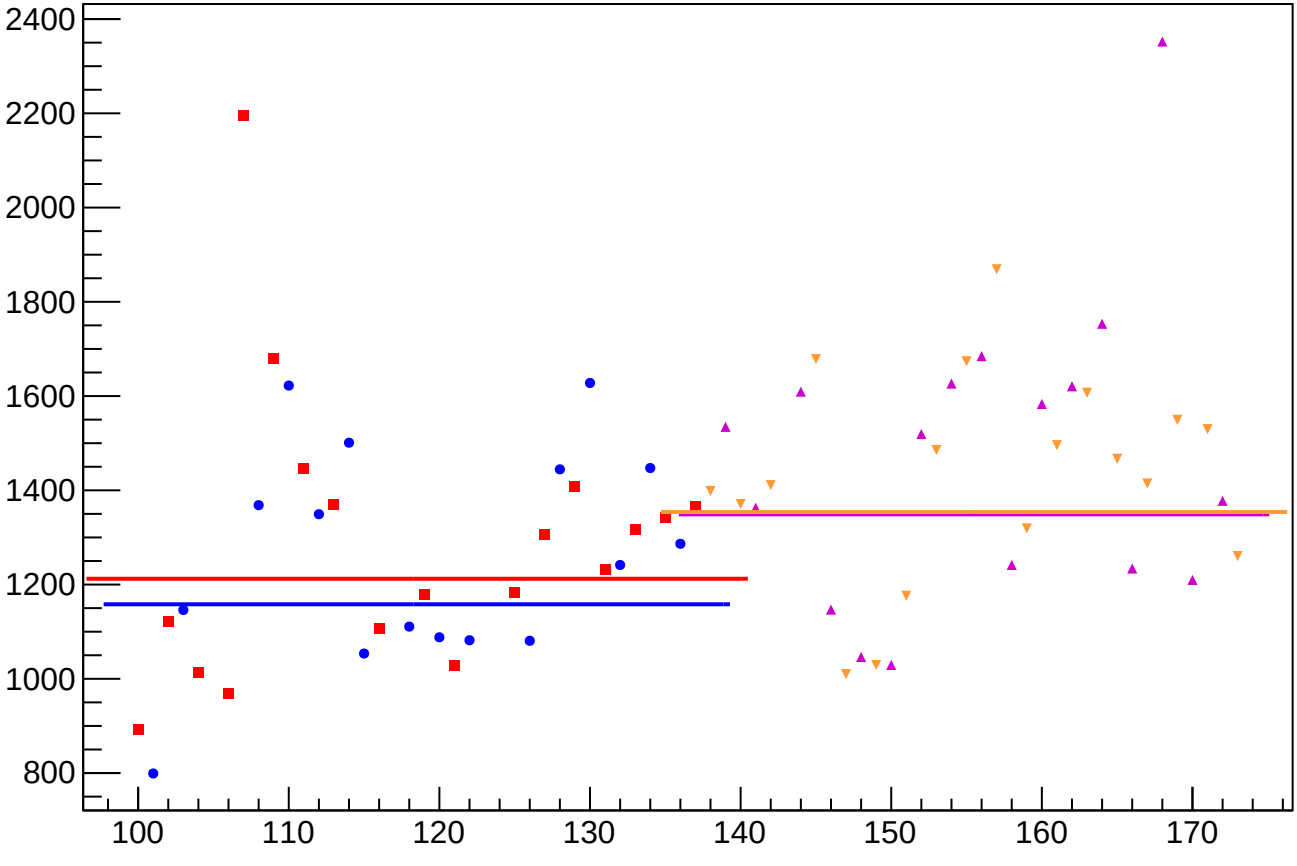
In: 779.224+/-0.119 χ^2/NDF:15440.0/32

Out: 780.158+/-0.119 χ^2/NDF:10275.1/35

All: 779.694+/-0.084 χ^2/NDF: 25745.8/68


asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -178.457+/-441.218 χ²/NDF: 15.7/15
Left Out: 10.720+/-367.073 χ²/NDF:23.2/17
Right Out: -58.040+/-455.216 χ²/NDF: 15.3/17
Left In: 141.619+/-368.662 χ²/NDF:10.3/16
Left: 75.887+/-260.120 χ²/NDF: 33.6/34
Right: -120.128+/-316.821 χ²/NDF: 31.0/33
In: 10.028+/-282.904 χ²/NDF:26.3/32
Out: -16.373+/-285.746 χ²/NDF:38.5/35
All: -3.041+/-201.041 χ²/NDF: 64.8/68

asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1354.072+/-0.260 χ^2/NDF:775104.3/17

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

Left In: 1348.952+/-0.261 χ^2/NDF:1079276.8/16

Left: 1351.523+/-0.184 χ^2/NDF: 1854574.8/34

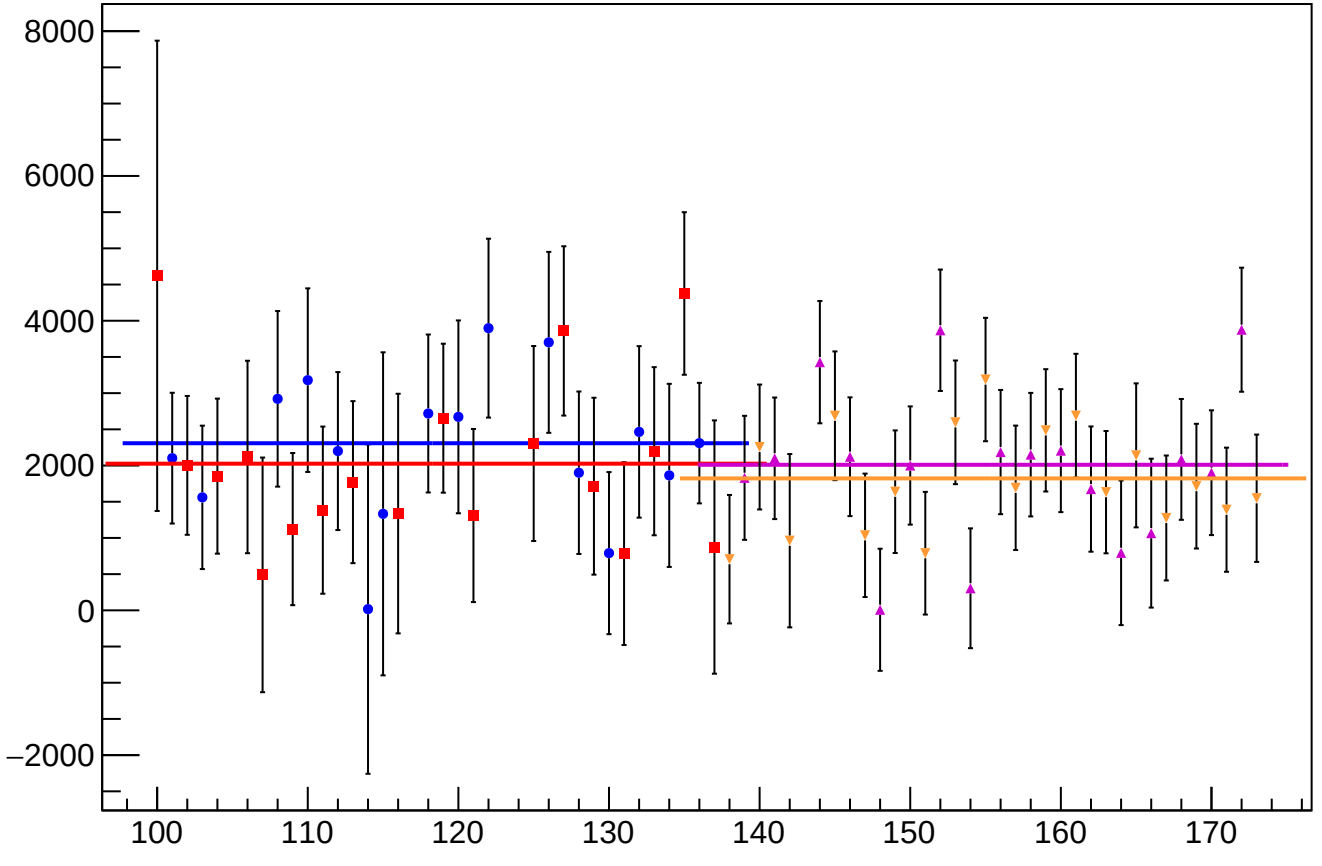
Right: 1184.394+/-0.224 χ^2/NDF: 981708.9/33

In: 1270.502+/-0.200 χ^2/NDF:1868707.3/32

Out: 1298.229+/-0.202 χ^2/NDF:1290517.4/35

All: 1284.227+/-0.142 χ^2/NDF: 3168734.5/68

eigen_cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1822.307+/-206.859 χ^2/NDF:11.7/17

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

Left In: 2010.383+/-208.484 χ^2/NDF:25.1/16

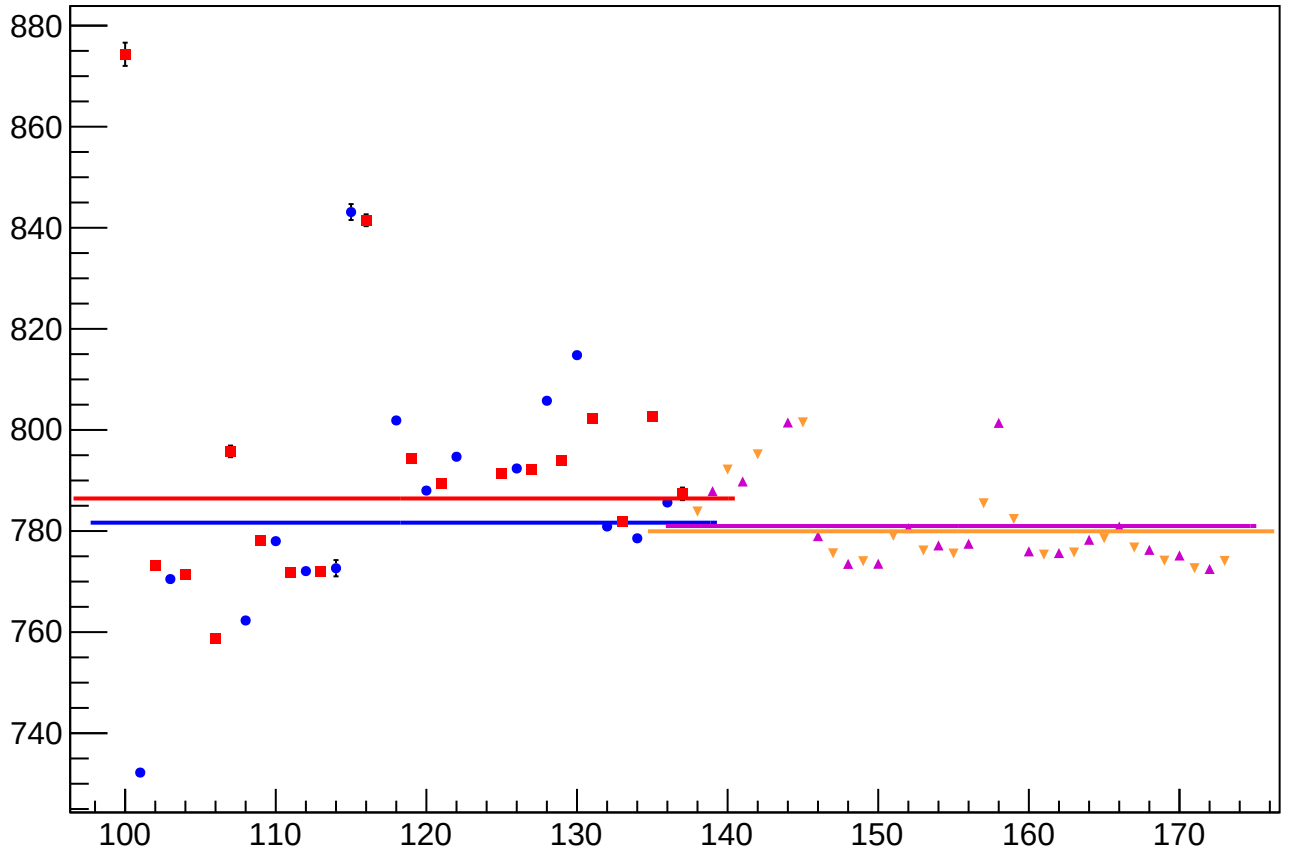
Left: 1915.610+/-146.842 χ^2/NDF: 37.1/34

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

In: 2111.645+/-169.365 χ^2/NDF:33.5/32

Out: 1890.935+/-168.366 χ^2/NDF:23.9/35

All: 2000.637+/-119.404 χ^2/NDF: 58.3/68



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

Left Out: 779.950+/-0.146 χ^2/NDF:2746.3/17

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

Left In: 780.992+/-0.147 χ^2/NDF:3597.2/16

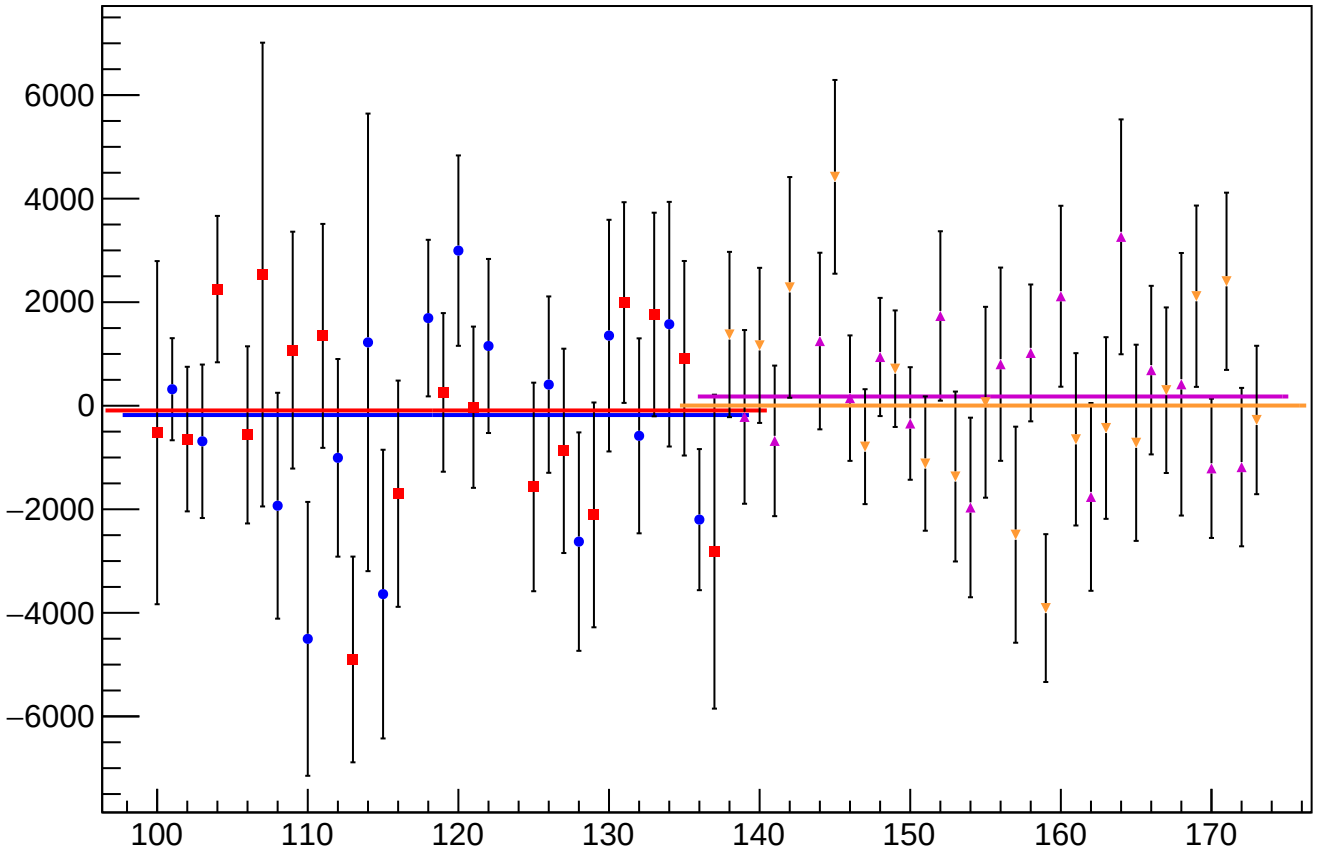
Left: 780.467+/-0.104 χ^2/NDF: 6368.7/34

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

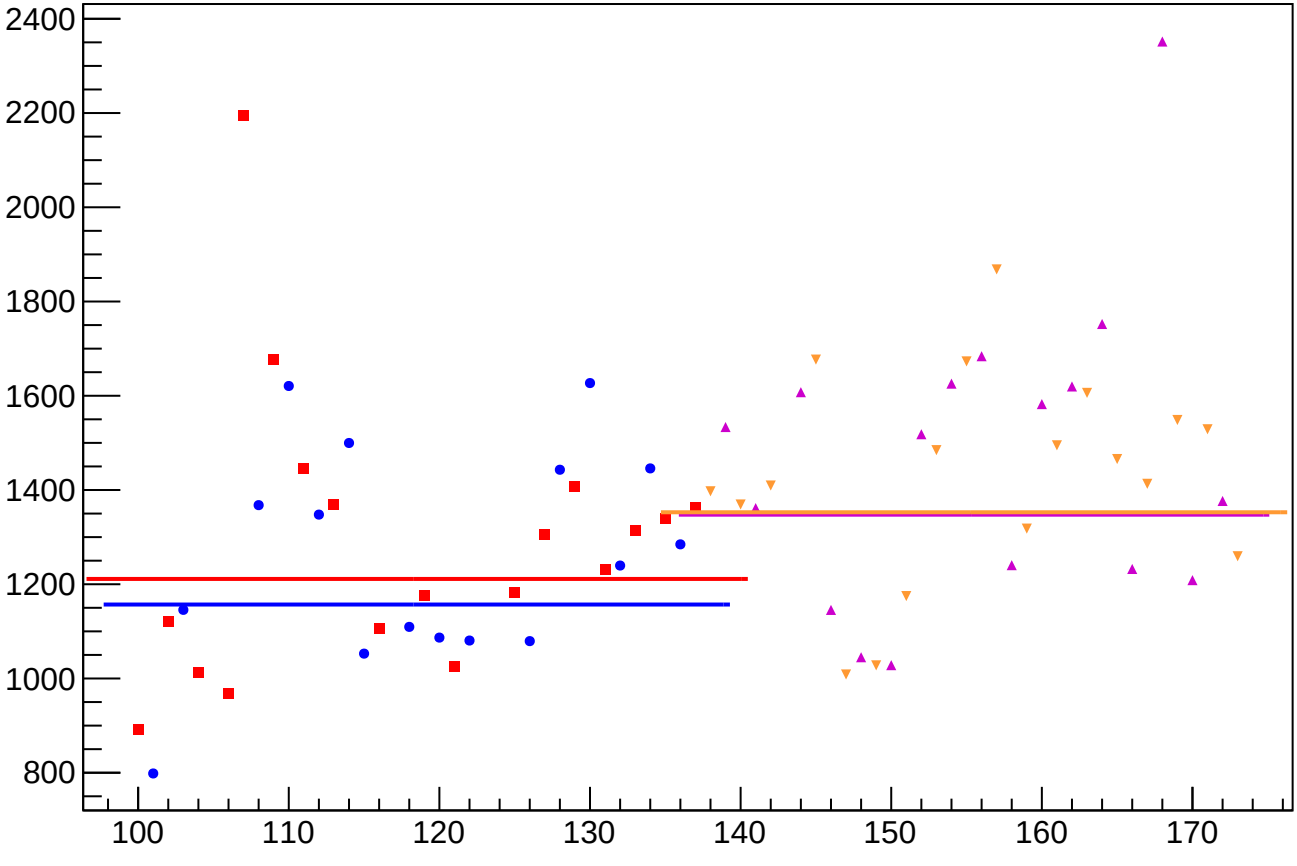
In: 781.217+/-0.120 χ^2/NDF:15923.1/32

Out: 782.142+/-0.119 χ^2/NDF:10613.1/35

All: 781.682+/-0.084 χ^2/NDF: 26566.1/68


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
170
Right In: -179.929+/-440.772 χ²/NDF: 15.4/15
Left Out: 3.651+/-366.735 χ²/NDF:23.2/17
Right Out: -91.288+/-454.811 χ²/NDF: 15.2/17
Left In: 178.269+/-368.324 χ²/NDF:10.6/16
Left: 90.583+/-259.881 χ²/NDF: 33.9/34
Right: -136.998+/-316.519 χ²/NDF: 30.6/33
In: 30.988+/-282.634 χ²/NDF:26.4/32
Out: -33.756+/-285.486 χ²/NDF:38.4/35
All: -1.059+/-200.853 χ²/NDF: 64.8/68

asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1352.750+/-0.259 χ^2/NDF:777236.4/17

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

Left In: 1347.644+/-0.260 χ^2/NDF:1081692.8/16

Left: 1350.208+/-0.184 χ^2/NDF: 1859122.2/34

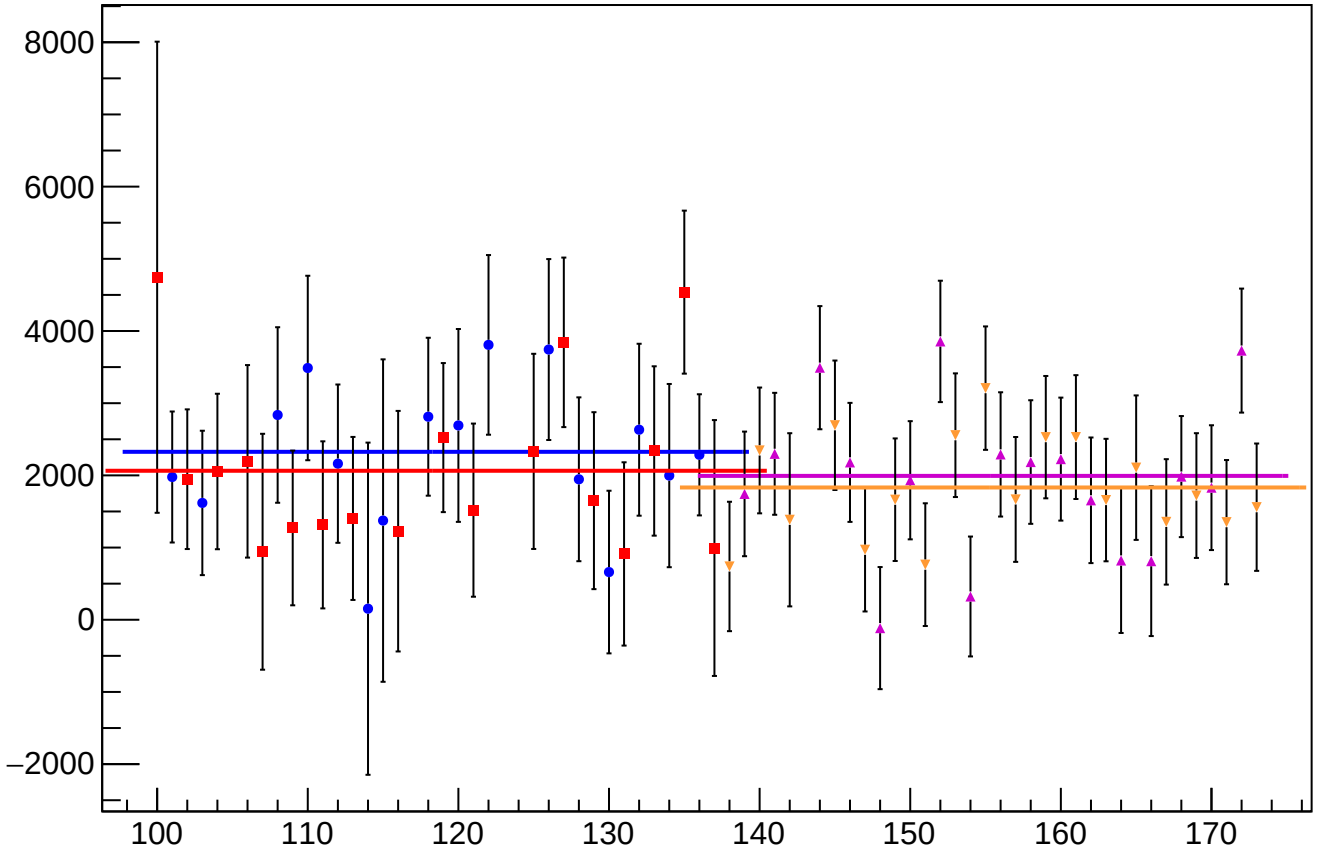
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1269.235+/-0.200 χ^2/NDF:1871244.6/32

Out: 1297.003+/-0.202 χ^2/NDF:1292240.4/35

All: 1282.980+/-0.142 χ^2/NDF: 3173040.2/68

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1832.349+/-207.843 χ^2/NDF:11.1/17

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

Left In: 1993.013+/-209.452 χ^2/NDF:25.7/16

Left: 1912.061+/-147.533 χ^2/NDF: 37.1/34

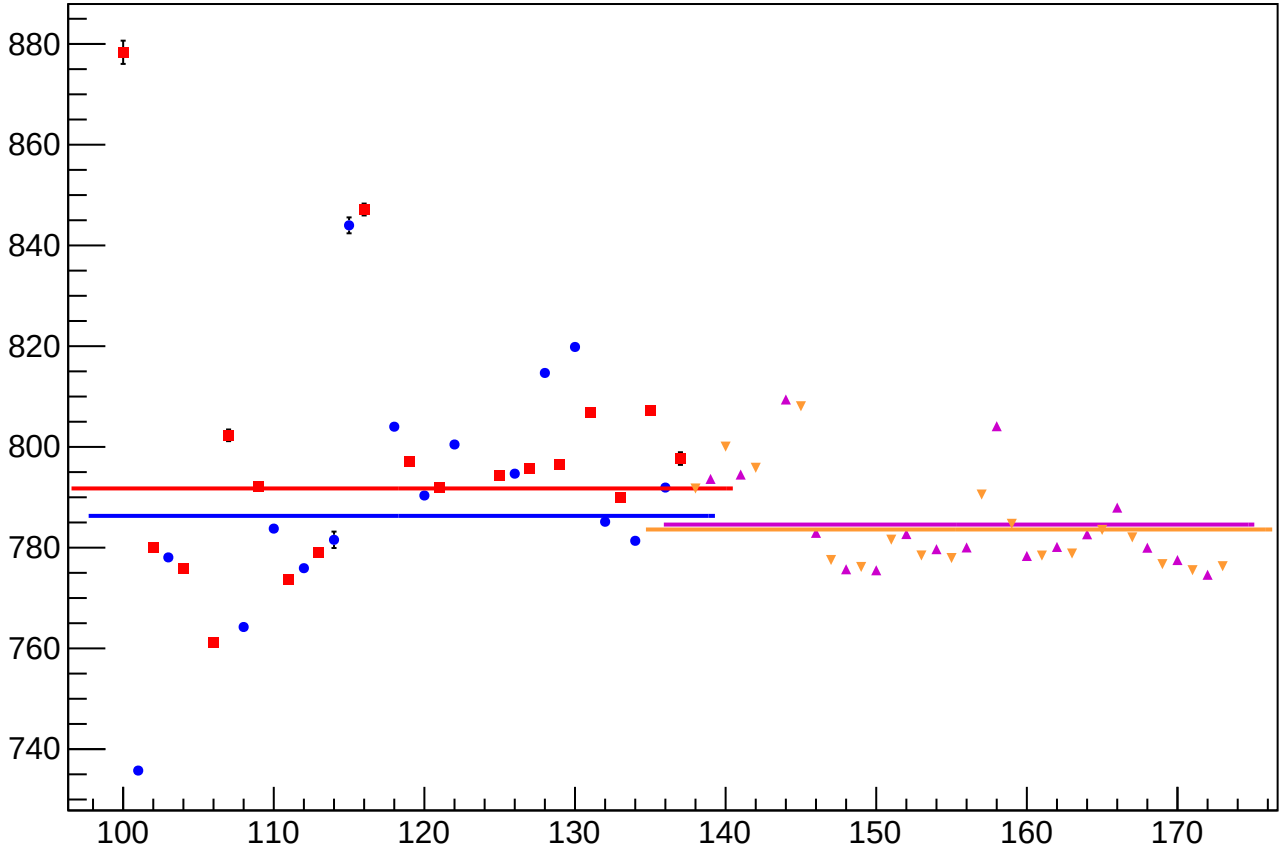
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2106.193+/-170.230 χ^2/NDF:34.7/32

Out: 1910.314+/-169.287 χ^2/NDF:23.1/35

All: 2007.710+/-120.036 χ^2/NDF: 58.5/68

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 783.607+/-0.147 χ^2/NDF:3716.2/17

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

Left In: 784.584+/-0.148 χ^2/NDF:4490.1/16

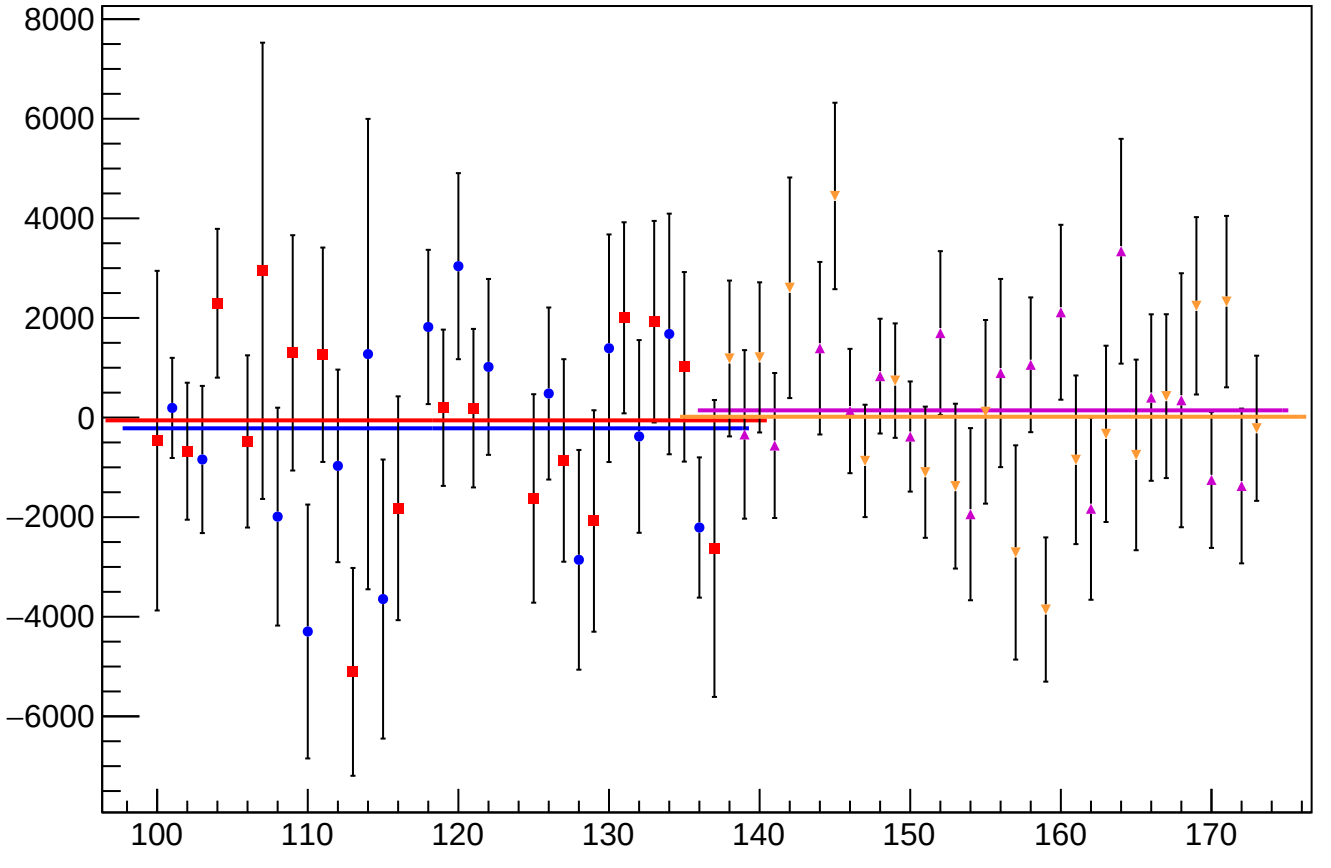
Left: 784.092+/-0.104 χ^2/NDF: 8228.2/34

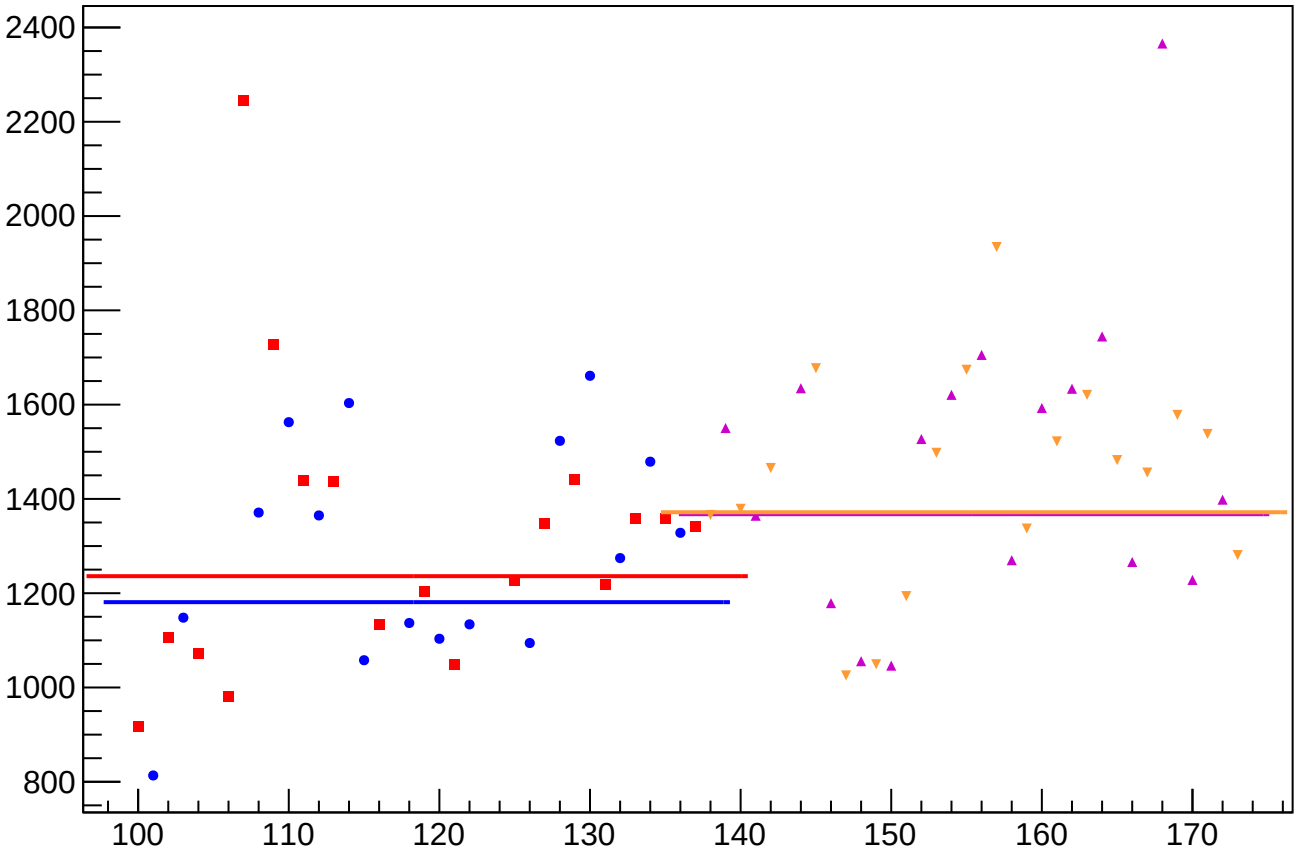
Right: 789.036+/-0.146 χ^2/NDF: 19934.2/33

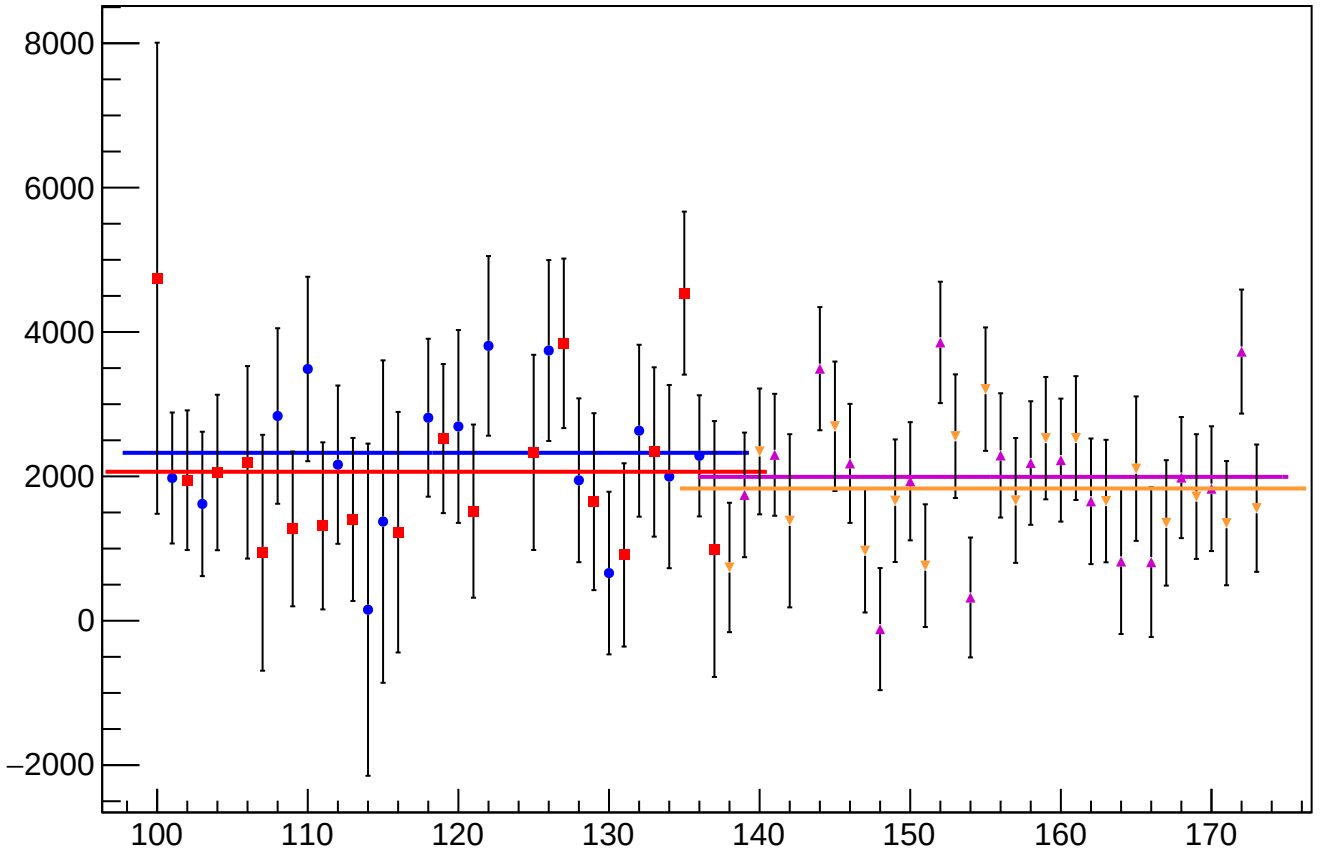
In: 785.170+/-0.120 χ^2/NDF:17107.3/32

Out: 786.350+/-0.120 χ^2/NDF:11766.2/35

All: 785.763+/-0.085 χ^2/NDF: 28921.8/68


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
170
Right In: -216.184+/-449.537 χ²/NDF: 15.3/15
Left Out: 15.807+/-371.565 χ²/NDF:23.3/17
Right Out: -56.784+/-463.978 χ²/NDF: 15.1/17
Left In: 144.448+/-373.257 χ²/NDF:10.8/16
Left: 79.835+/-263.332 χ²/NDF: 34.2/34
Right: -139.003+/-322.855 χ²/NDF: 30.5/33
In: -2.720+/-287.170 χ²/NDF:26.5/32
Out: -12.557+/-290.027 χ²/NDF:38.4/35
All: -7.589+/-204.062 χ²/NDF: 64.9/68


asym_us_avg_dit_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
170
Right In: 1180.998+/-0.318 χ²/NDF: 571107.8/15
Left Out: 1371.750+/-0.263 χ²/NDF:762808.2/17
Right Out: 1236.134+/-0.328 χ²/NDF: 397242.2/17
Left In: 1367.586+/-0.264 χ²/NDF:1034279.6/16
Left: 1369.677+/-0.186 χ²/NDF: 1797212.8/34
Right: 1207.695+/-0.228 χ²/NDF: 982917.9/33
In: 1291.443+/-0.203 χ²/NDF:1809340.7/32
Out: 1318.760+/-0.205 χ²/NDF:1264152.5/35
All: 1304.966+/-0.144 χ²/NDF: 3082452.4/68



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

Left Out: 1832.347+/-207.843 χ^2/NDF:11.1/17

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

Left In: 1993.014+/-209.452 χ^2/NDF:25.7/16

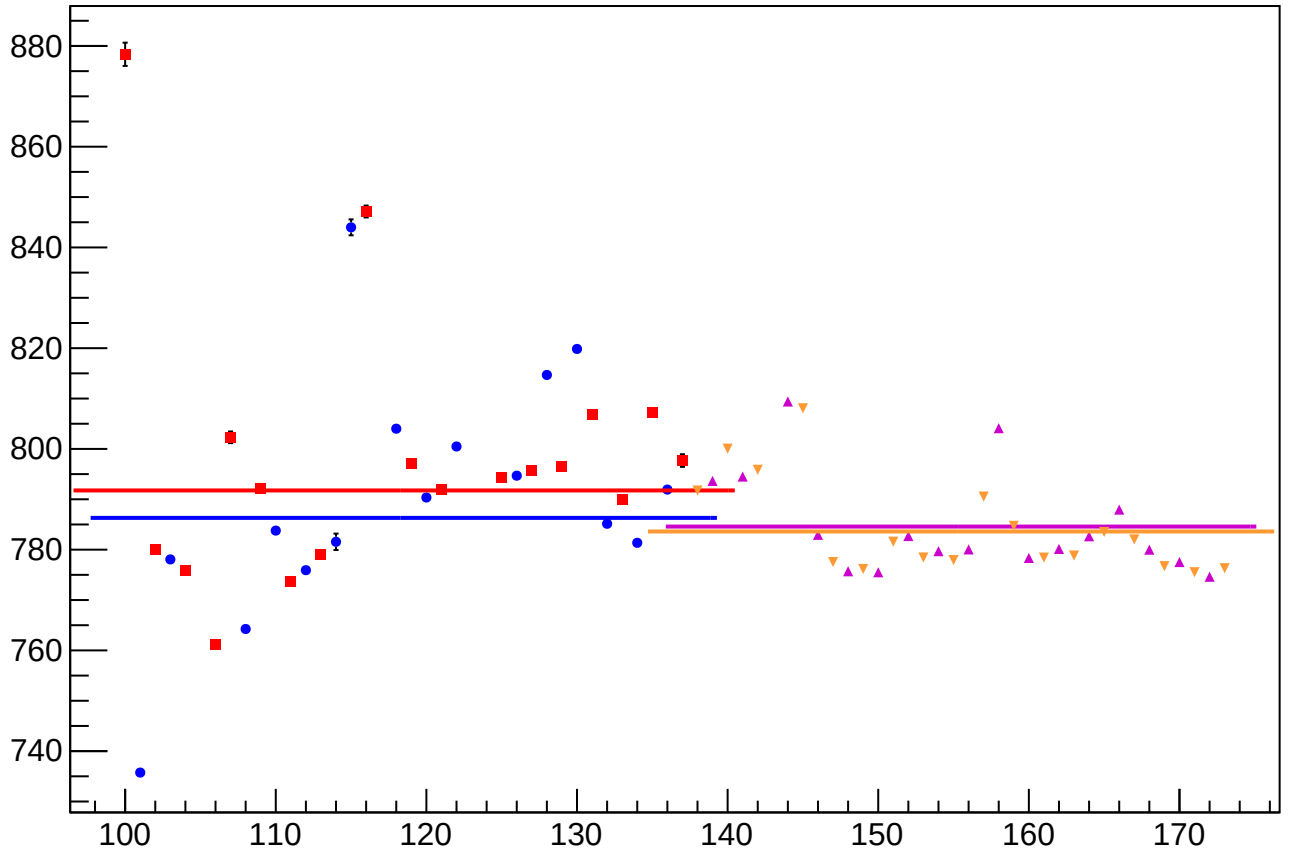
Left: 1912.061+/-147.533 χ^2/NDF: 37.1/34

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

In: 2106.194+/-170.230 χ^2/NDF:34.7/32

Out: 1910.312+/-169.287 χ^2/NDF:23.1/35

All: 2007.709+/-120.036 χ^2/NDF: 58.5/68



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

Left Out: 783.607+/-0.147 χ^2/NDF:3716.1/17

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

Left In: 784.584+/-0.148 χ^2/NDF:4490.1/16

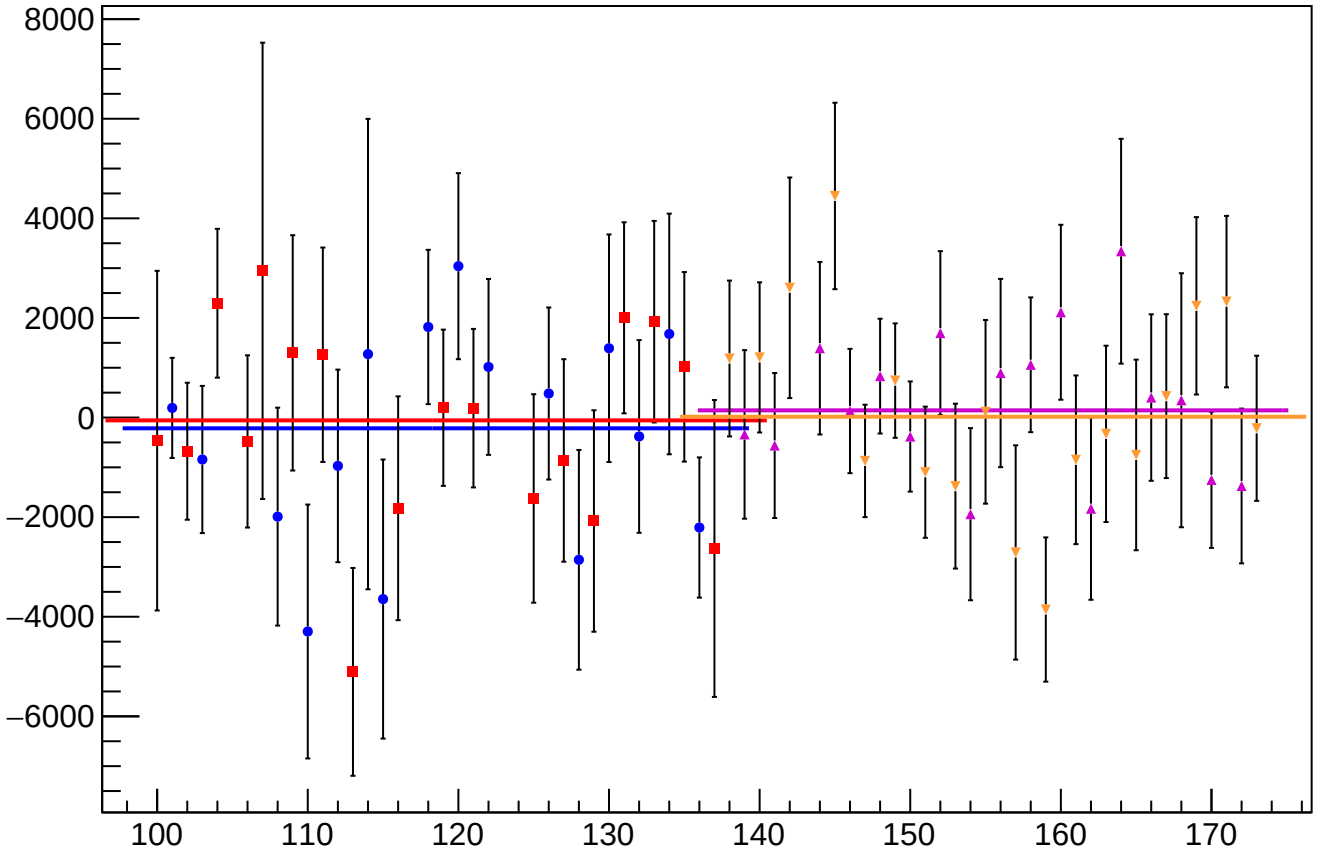
Left: 784.092+/-0.104 χ^2/NDF: 8228.2/34

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

In: 785.170+/-0.120 χ^2/NDF:17107.2/32

Out: 786.350+/-0.120 χ^2/NDF:11766.1/35

All: 785.763+/-0.085 χ^2/NDF: 28921.7/68



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

Left Out: 15.804+/-371.566 χ^2/NDF:23.3/17

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

Left In: 144.448+/-373.258 χ^2/NDF:10.8/16

Left: 79.834+/-263.333 χ^2/NDF: 34.2/34

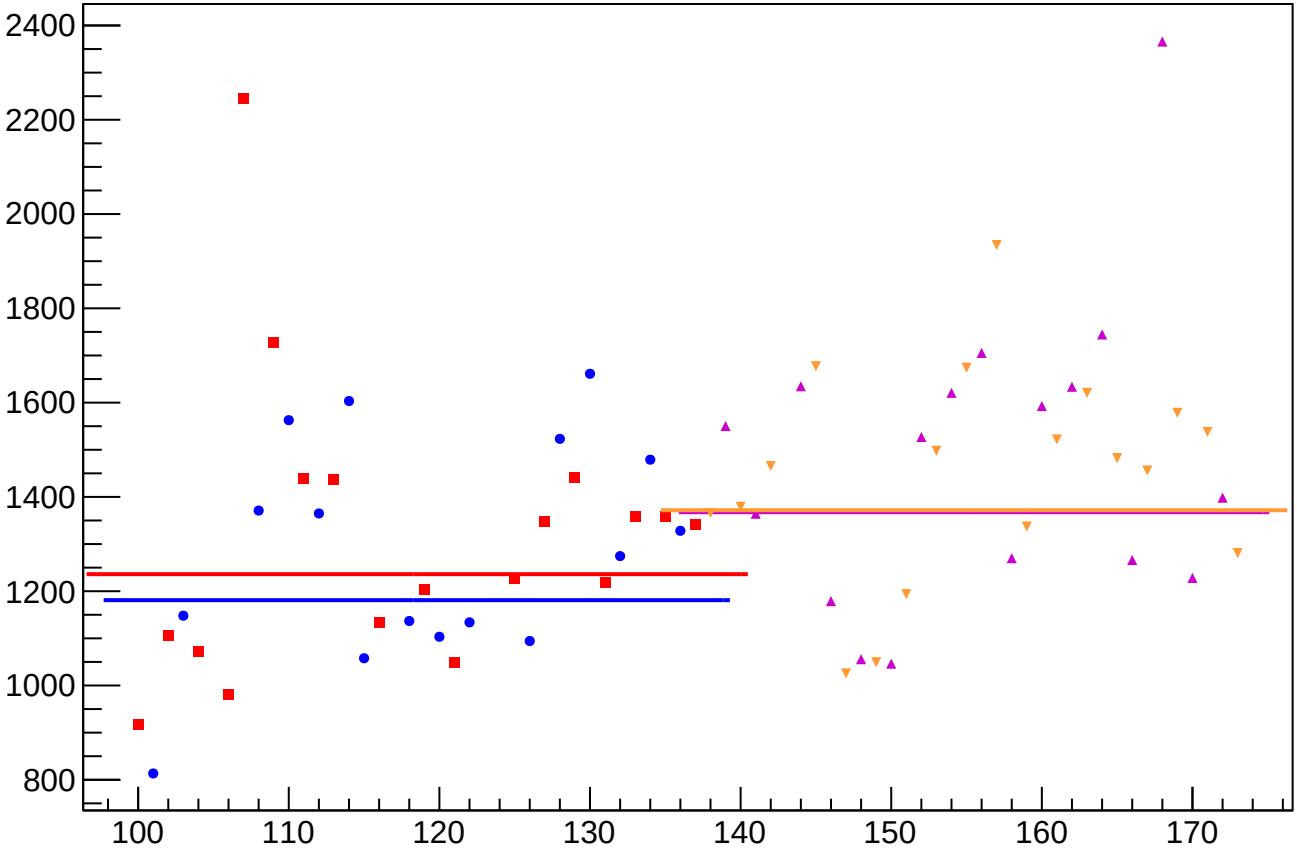
Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

In: -2.719+/-287.170 χ^2/NDF:26.5/32

Out: -12.559+/-290.027 χ^2/NDF:38.4/35

All: -7.590+/-204.062 χ^2/NDF: 64.9/68

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 1371.752+/-0.263 χ^2/NDF:762810.0/17

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

Left In: 1367.589+/-0.264 χ^2/NDF:1034280.5/16

Left: 1369.680+/-0.186 χ^2/NDF: 1797215.4/34

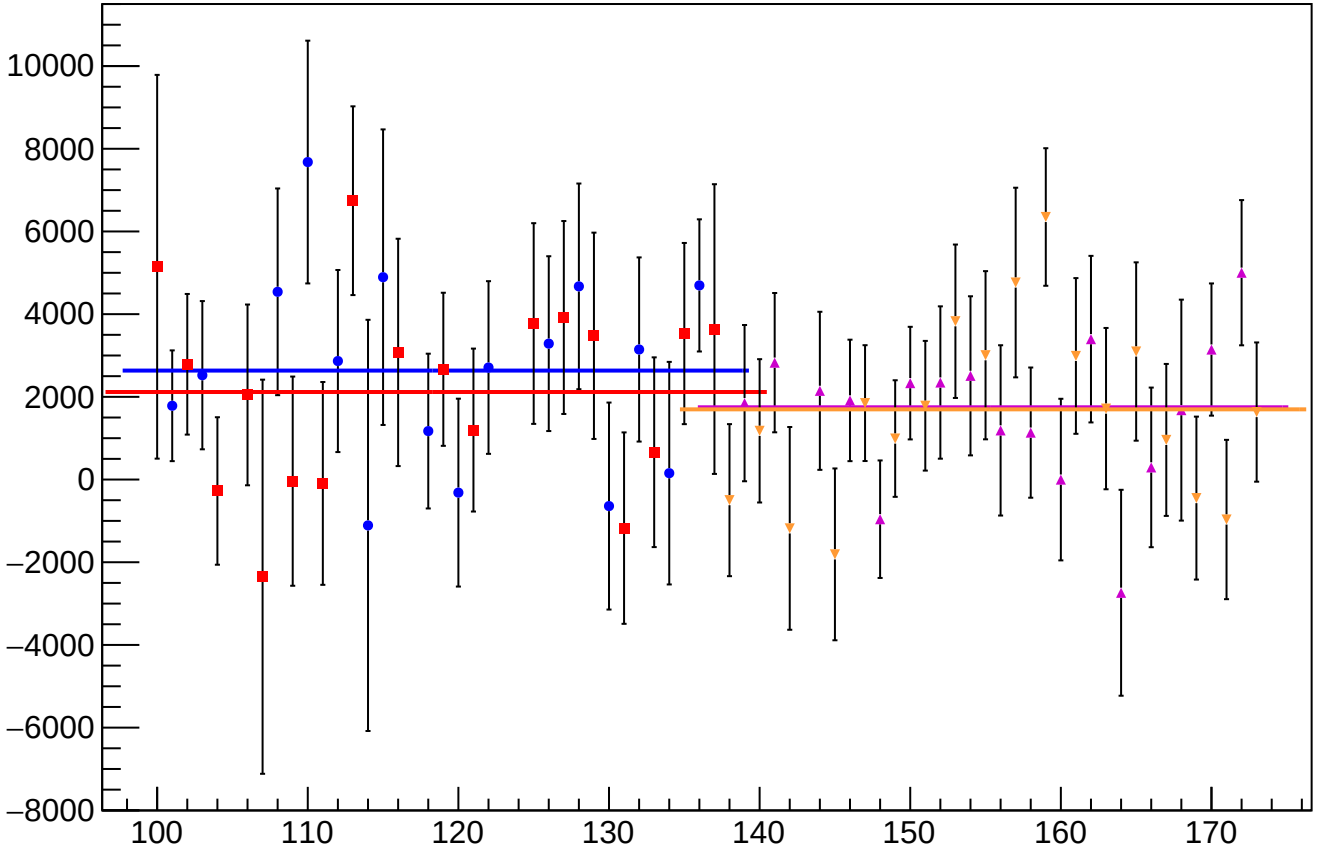
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1291.443+/-0.203 χ^2/NDF:1809351.8/32

Out: 1318.760+/-0.205 χ^2/NDF:1264162.1/35

All: 1304.966+/-0.144 χ^2/NDF: 3082473.2/68

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1697.714+/-427.750 χ^2/NDF:21.5/17

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

Left In: 1747.516+/-430.261 χ^2/NDF:14.3/16

Left: 1722.470+/-303.349 χ^2/NDF: 35.8/34

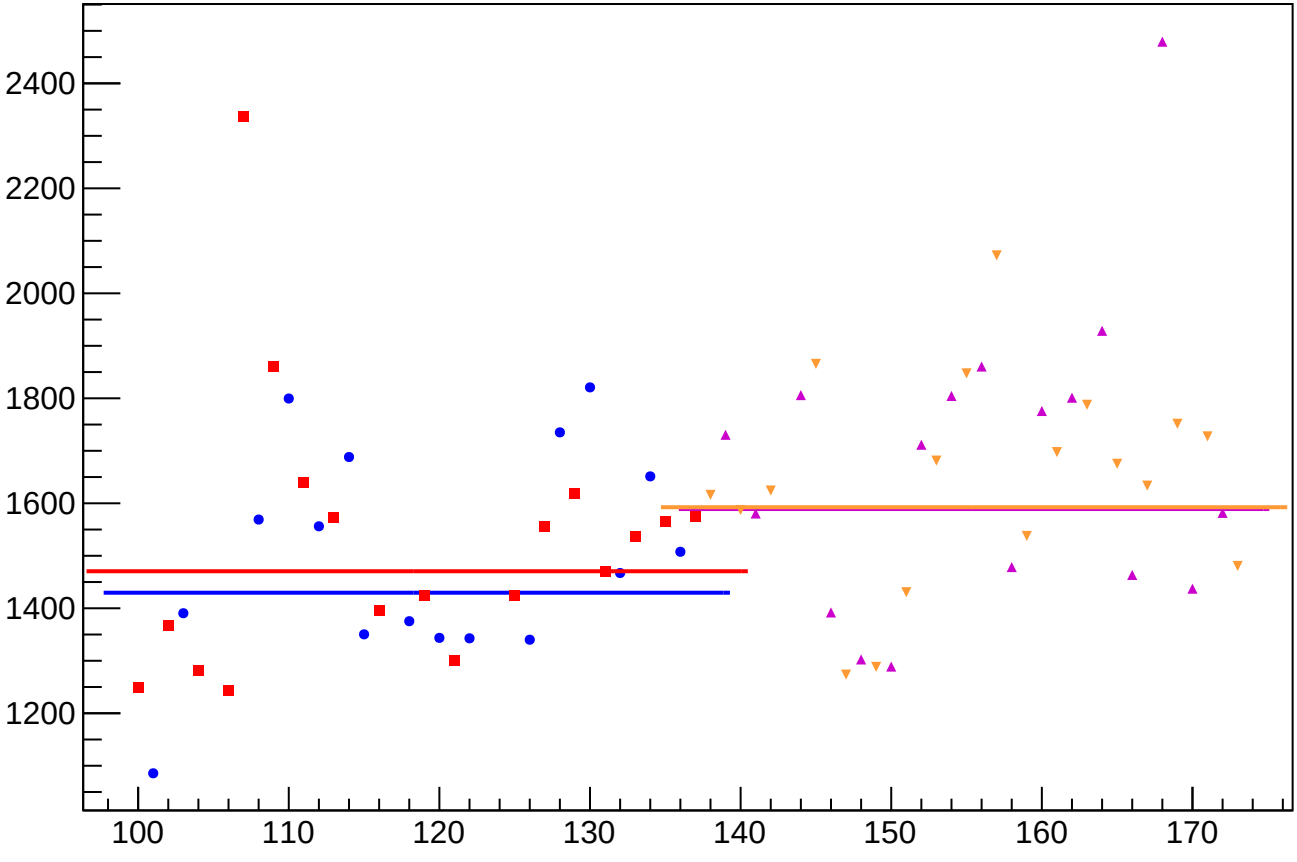
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 2093.843+/-336.028 χ^2/NDF:28.2/32

Out: 1856.705+/-337.069 χ^2/NDF:35.6/35

All: 1975.641+/-237.975 χ^2/NDF: 64.0/68

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1592.495+/-0.302 χ^2/NDF:440883.3/17

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

Left In: 1589.065+/-0.304 χ^2/NDF:656263.6/16

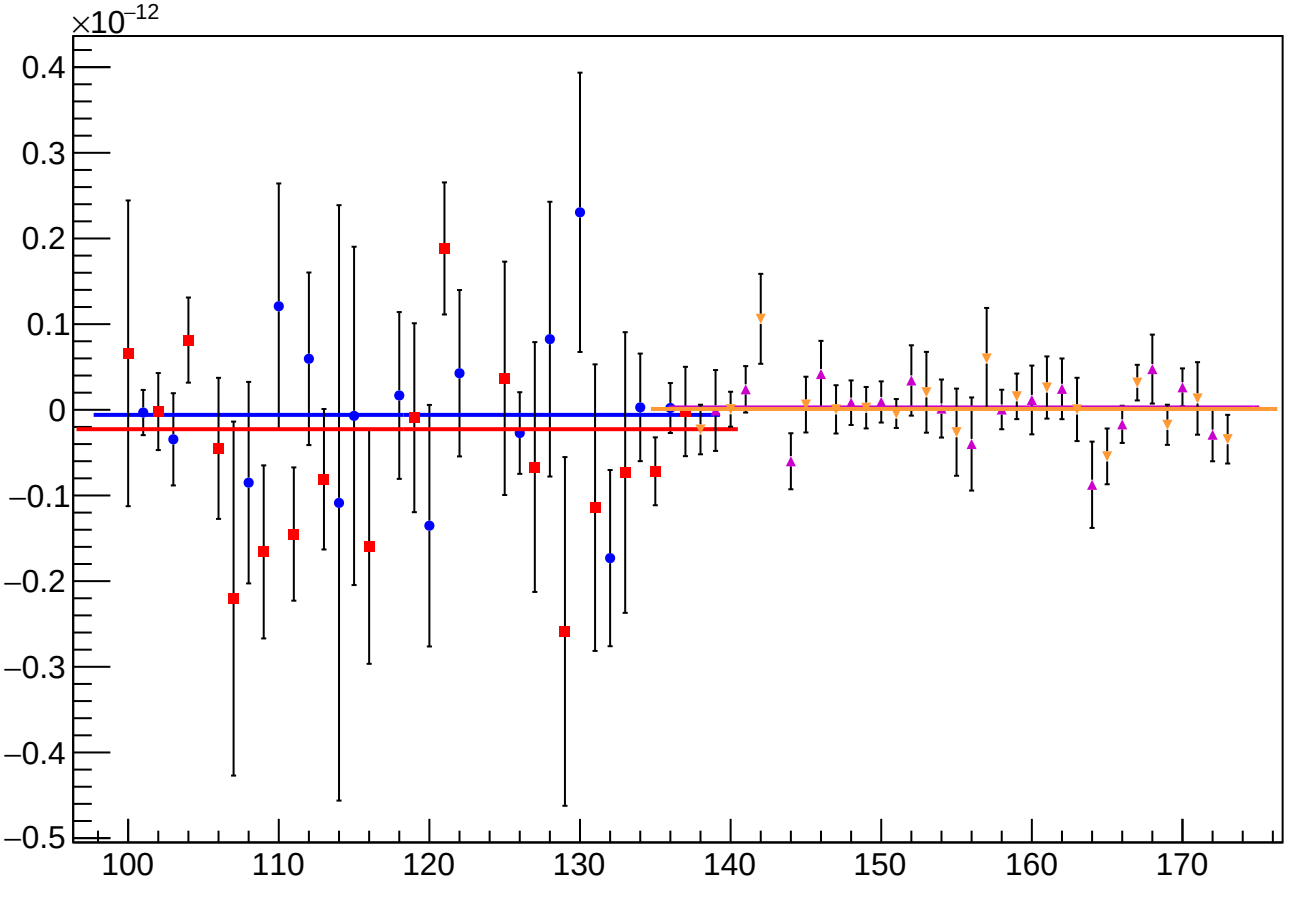
Left: 1590.790+/-0.214 χ^2/NDF: 1097210.8/34

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

In: 1526.885+/-0.238 χ^2/NDF:1056738.5/32

Out: 1546.278+/-0.238 χ^2/NDF:720548.8/35

All: 1536.551+/-0.168 χ^2/NDF: 1780607.6/68



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

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/17

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

Left In: 0.000+/-0.000 χ^2/NDF:14.5/16

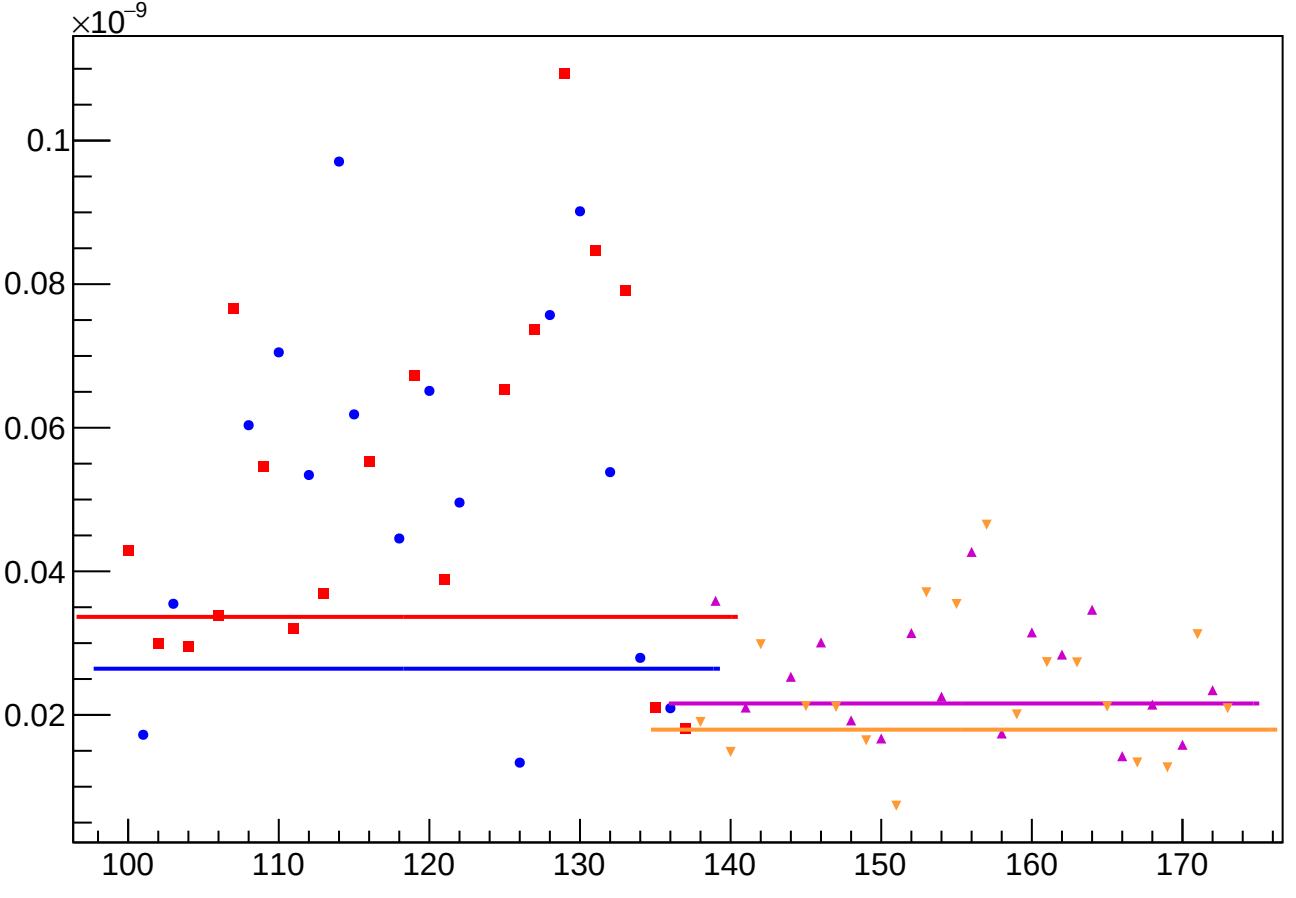
Left: 0.000+/-0.000 χ^2/NDF: 29.0/34

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

In: 0.000+/-0.000 χ^2/NDF:23.3/32

Out: -0.000+/-0.000 χ^2/NDF:38.9/35

All: -0.000+/-0.000 χ^2/NDF: 62.4/68



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

Left Out: 0.000+/-0.000 χ^2/NDF:2737888.4/17

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

Left In: 0.000+/-0.000 χ^2/NDF:1590642.2/16

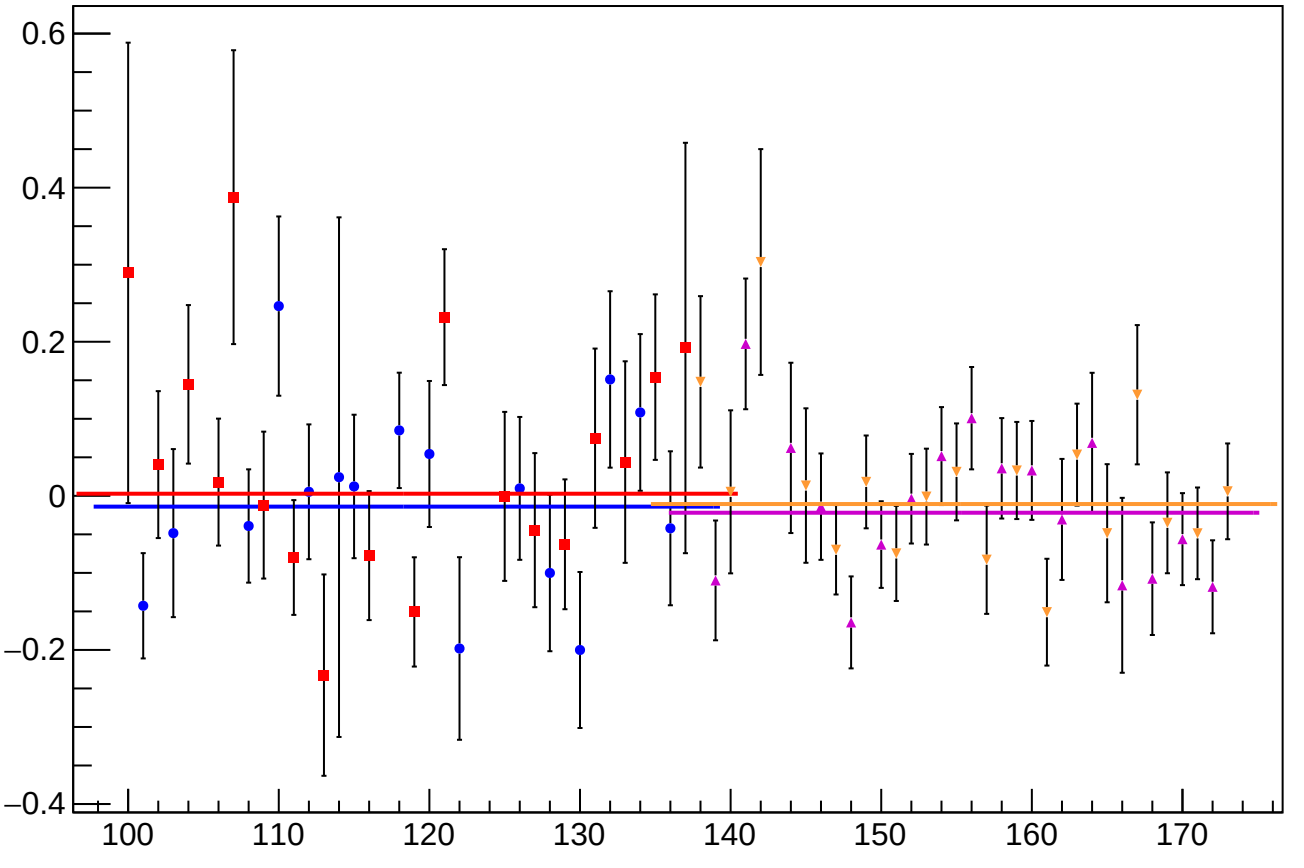
Left: 0.000+/-0.000 χ^2/NDF: 4592412.3/34

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

In: 0.000+/-0.000 χ^2/NDF:3893238.4/32

Out: 0.000+/-0.000 χ^2/NDF:5762360.8/35

All: 0.000+/-0.000 χ^2/NDF: 9829906.5/68



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

Left Out: -0.011+/-0.017 χ^2/NDF:19.4/17

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

Left In: -0.022+/-0.017 χ^2/NDF:27.1/16

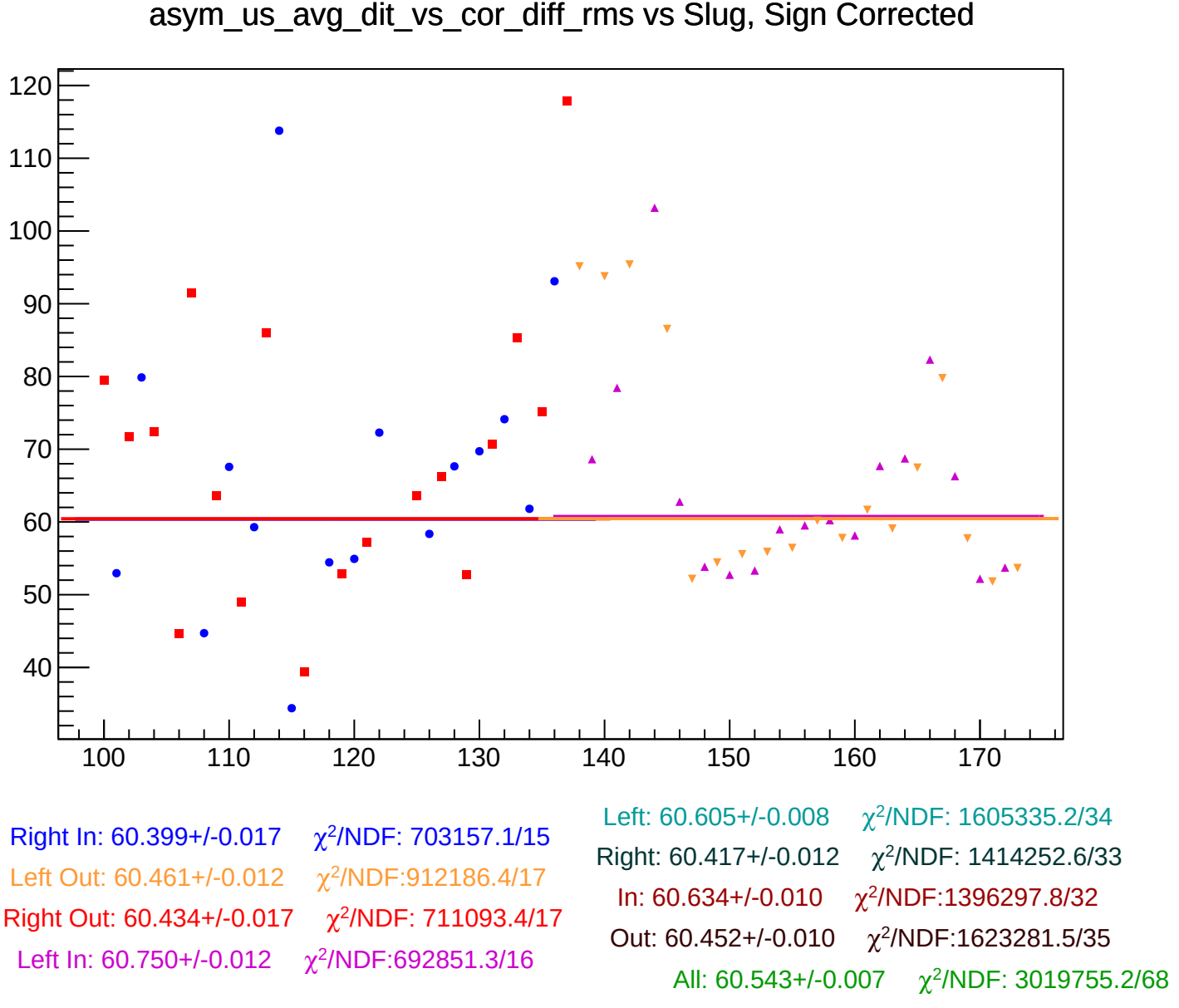
Left: -0.016+/-0.012 χ^2/NDF: 46.7/34

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

In: -0.019+/-0.014 χ^2/NDF:48.5/32

Out: -0.006+/-0.014 χ^2/NDF:47.3/35

All: -0.013+/-0.010 χ^2/NDF: 96.3/68


asym_us_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
120
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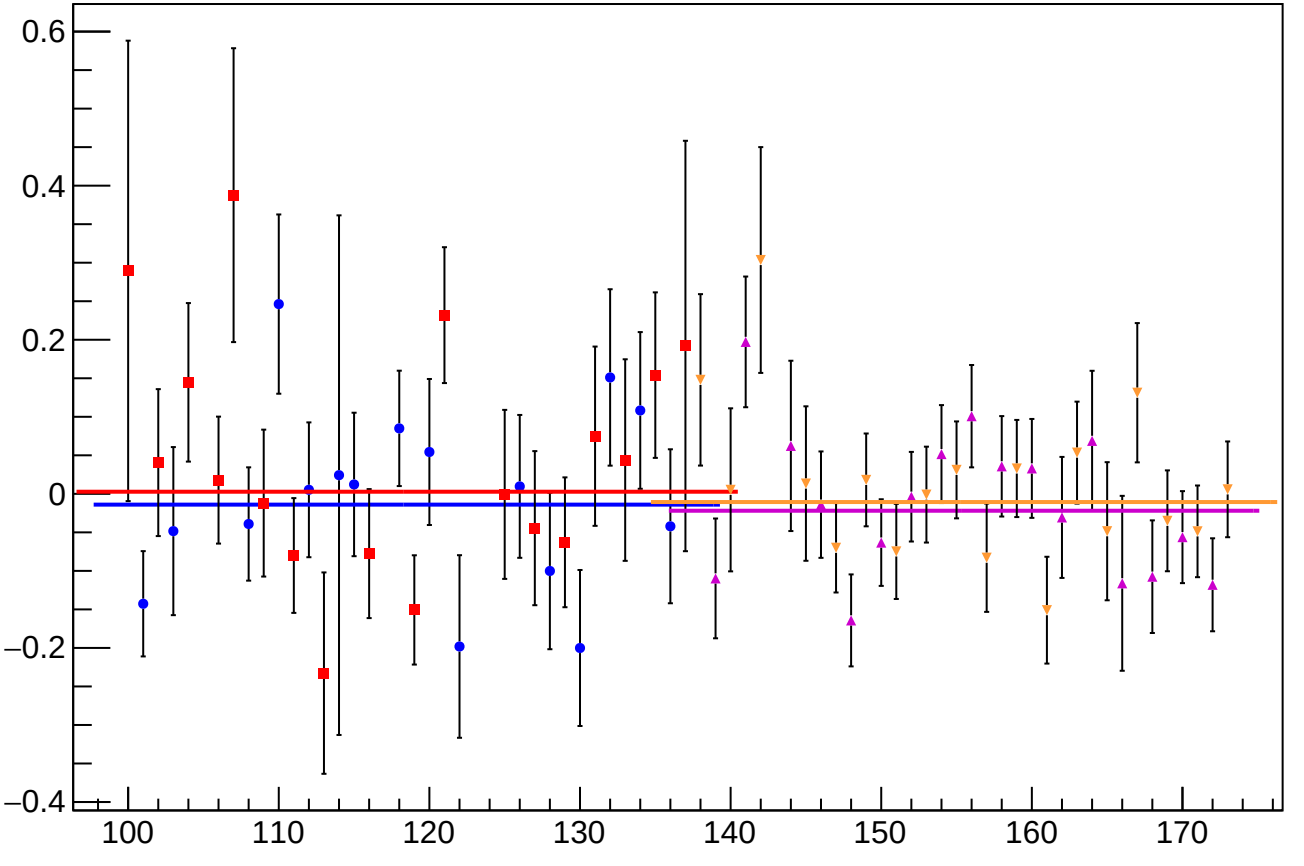
110
120
130
140
150
160
170
Right In: 60.399+/-0.017 χ²/NDF: 703157.1/15
Left Out: 60.461+/-0.012 χ²/NDF:912186.4/17
Right Out: 60.434+/-0.017 χ²/NDF: 711093.4/17
Left In: 60.750+/-0.012 χ²/NDF:692851.3/16
Left: 60.605+/-0.008 χ²/NDF: 1605335.2/34
Right: 60.417+/-0.012 χ²/NDF: 1414252.6/33
In: 60.634+/-0.010 χ²/NDF:1396297.8/32
Out: 60.452+/-0.010 χ²/NDF:1623281.5/35
All: 60.543+/-0.007 χ²/NDF: 3019755.2/68



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

Left Out: -0.011+/-0.017 χ^2/NDF:19.4/17

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

Left In: -0.022+/-0.017 χ^2/NDF:27.1/16

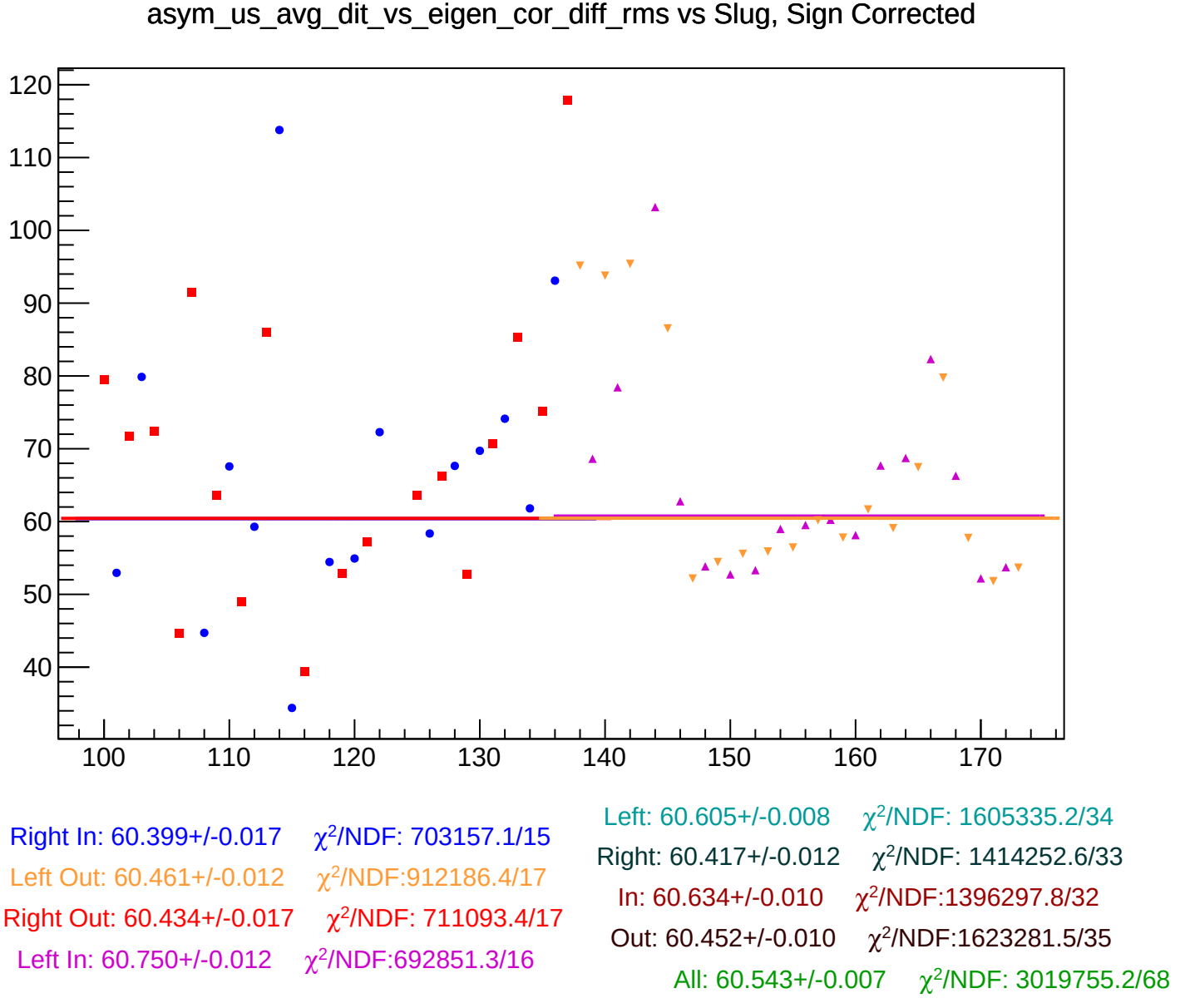
Left: -0.016+/-0.012 χ^2/NDF: 46.7/34

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

In: -0.019+/-0.014 χ^2/NDF:48.5/32

Out: -0.006+/-0.014 χ^2/NDF:47.3/35

All: -0.013+/-0.010 χ^2/NDF: 96.3/68


asym_us_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
120
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120
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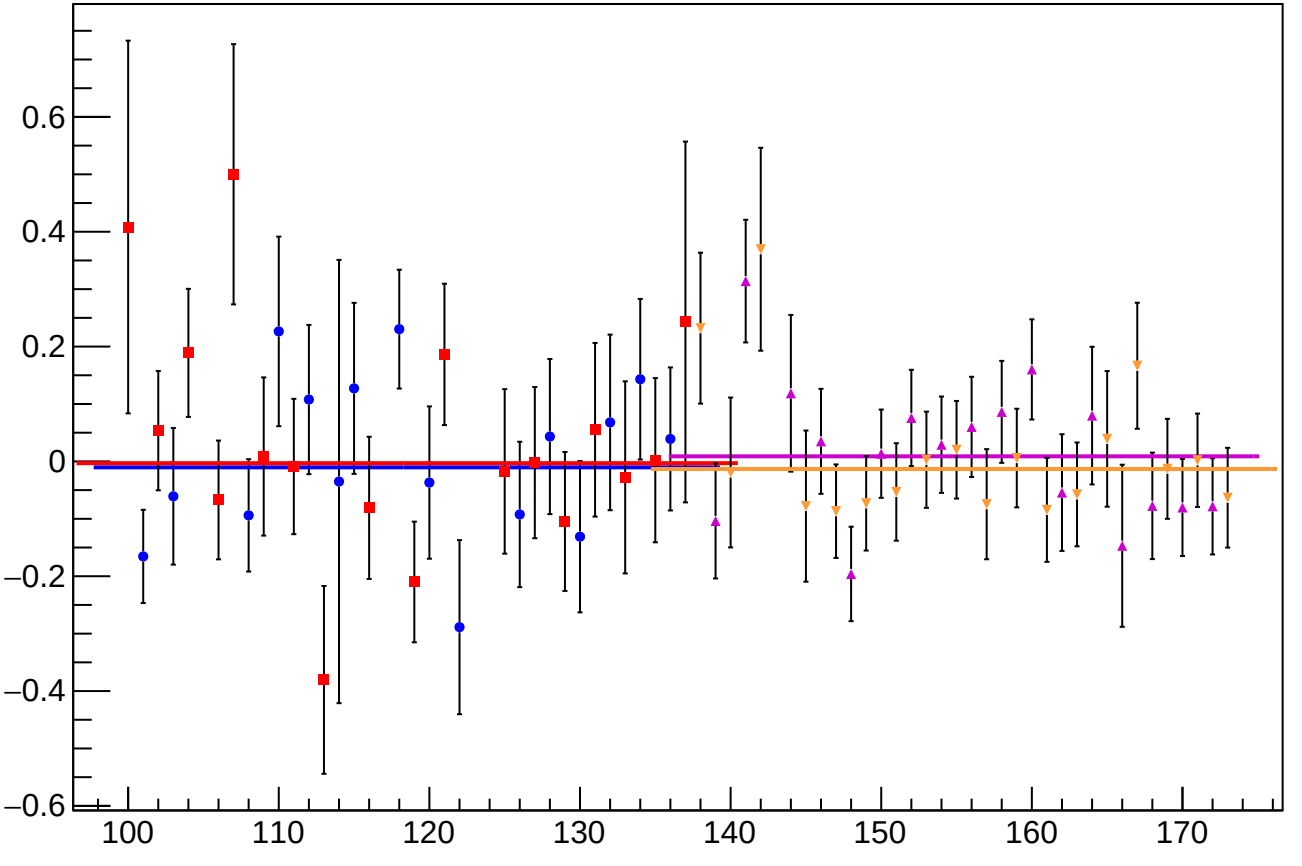
140
150
160
170
Right In: 60.399+/-0.017 χ²/NDF: 703157.1/15
Left Out: 60.461+/-0.012 χ²/NDF:912186.4/17
Right Out: 60.434+/-0.017 χ²/NDF: 711093.4/17
Left In: 60.750+/-0.012 χ²/NDF:692851.3/16
Left: 60.605+/-0.008 χ²/NDF: 1605335.2/34
Right: 60.417+/-0.012 χ²/NDF: 1414252.6/33
In: 60.634+/-0.010 χ²/NDF:1396297.8/32
Out: 60.452+/-0.010 χ²/NDF:1623281.5/35
All: 60.543+/-0.007 χ²/NDF: 3019755.2/68

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: -0.013+/-0.022 χ^2/NDF:14.7/17

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

Left In: 0.009+/-0.023 χ^2/NDF:26.2/16

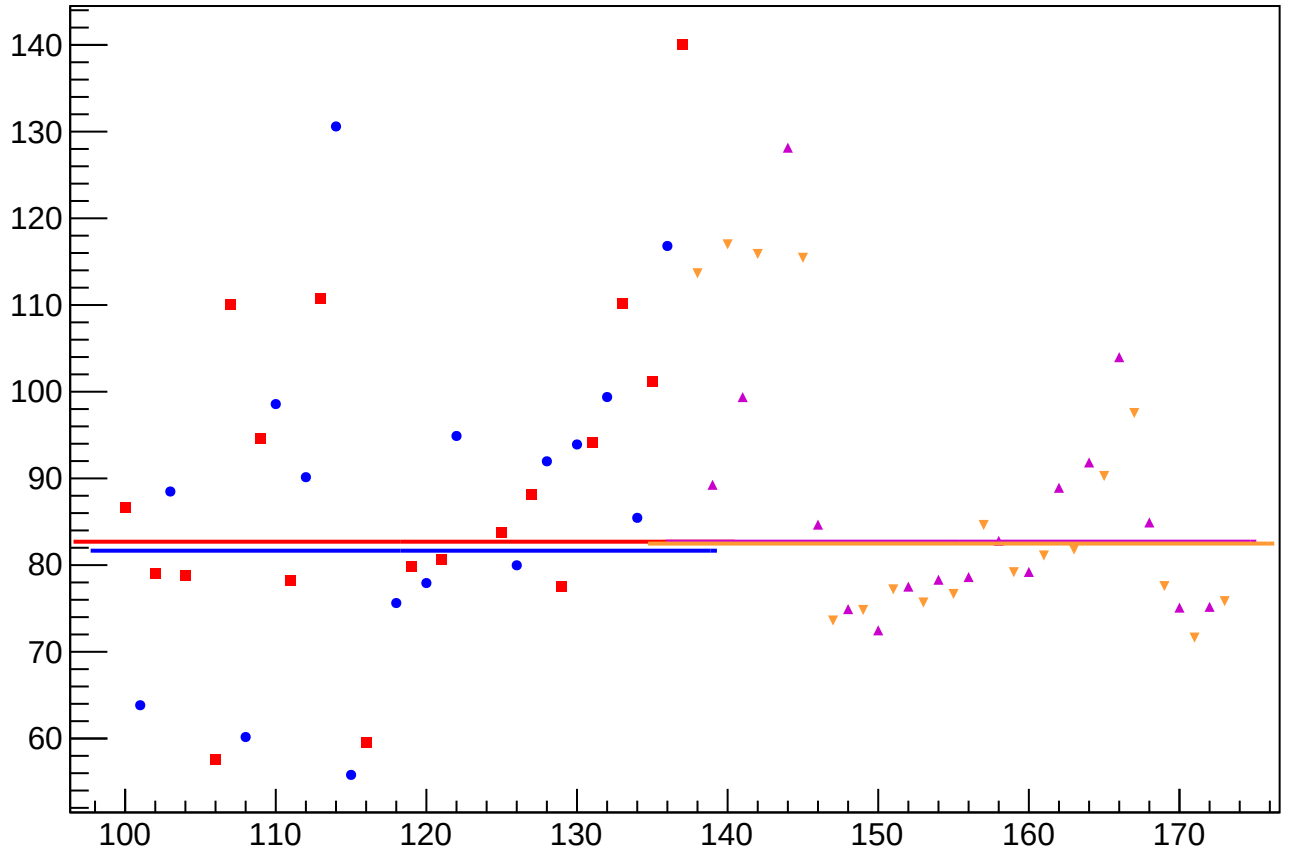
Left: -0.002+/-0.016 χ^2/NDF: 41.4/34

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

In: 0.002+/-0.018 χ^2/NDF:46.6/32

Out: -0.010+/-0.018 χ^2/NDF:38.5/35

All: -0.004+/-0.013 χ^2/NDF: 85.3/68



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

Left Out: 82.484+/-0.016 χ^2/NDF:625098.8/17

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

Left In: 82.705+/-0.016 χ^2/NDF:451951.5/16

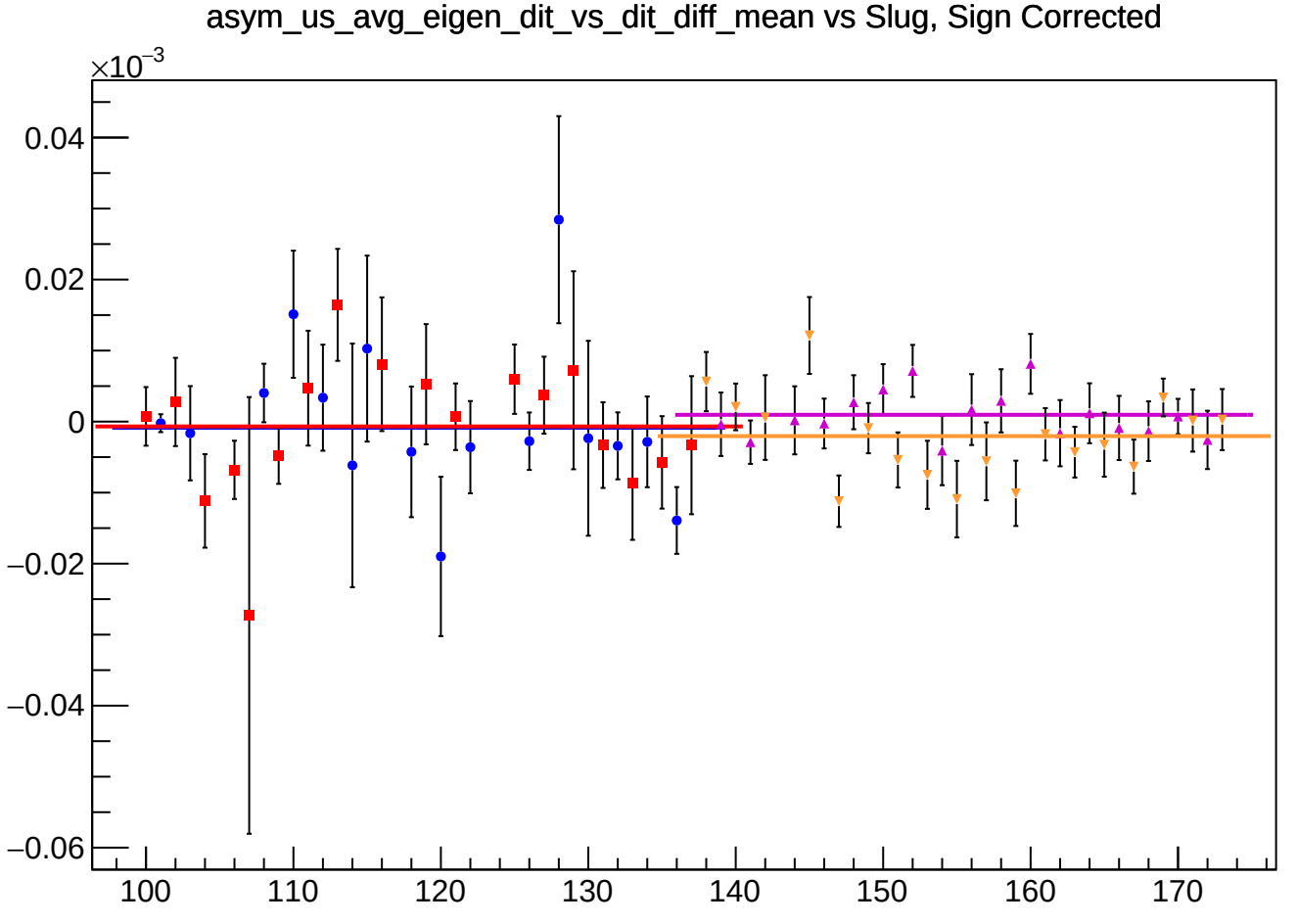
Left: 82.594+/-0.011 χ^2/NDF: 1077146.8/34

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

In: 82.354+/-0.013 χ^2/NDF:1015237.8/32

Out: 82.556+/-0.013 χ^2/NDF:1098227.2/35

All: 82.455+/-0.009 χ^2/NDF: 2113587.1/68



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

Left Out: -0.000+/-0.000 χ^2/NDF:33.2/17

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

Left In: 0.000+/-0.000 χ^2/NDF:11.6/16

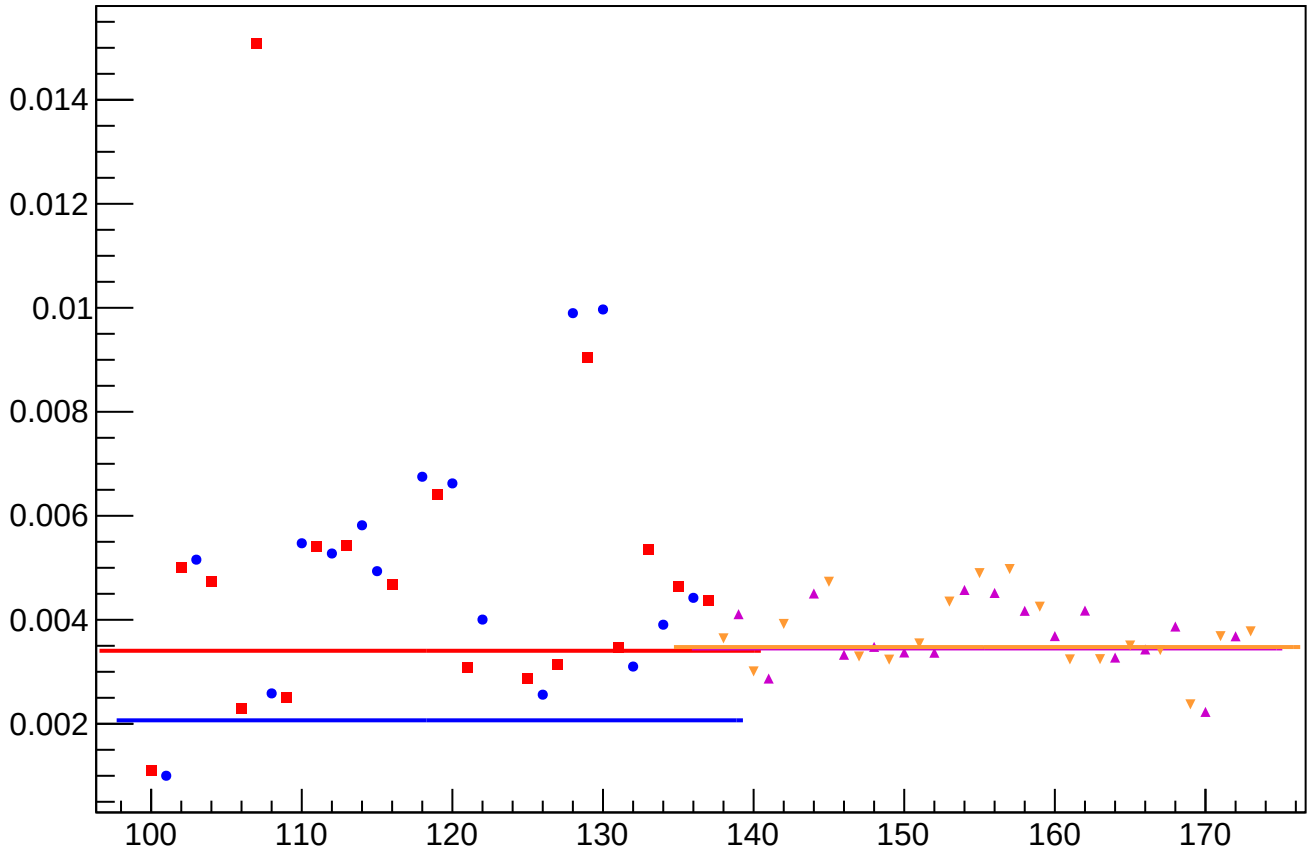
Left: -0.000+/-0.000 χ^2/NDF: 49.8/34

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

In: 0.000+/-0.000 χ^2/NDF:34.6/32

Out: -0.000+/-0.000 χ^2/NDF:52.2/35

All: -0.000+/-0.000 χ^2/NDF: 89.5/68



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

Left Out: 0.003+/-0.000 χ^2/NDF:963736.7/17

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

Left In: 0.003+/-0.000 χ^2/NDF:1036423.4/16

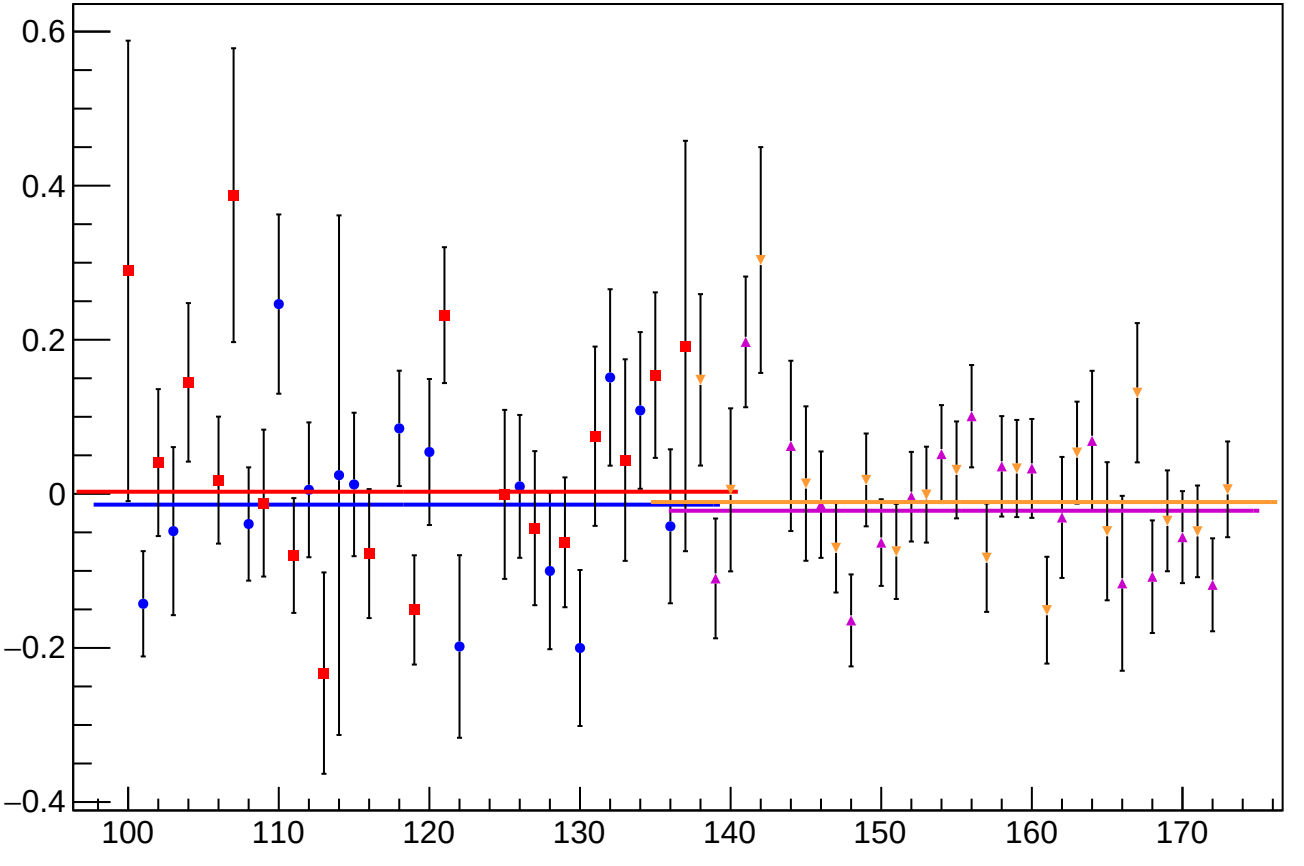
Left: 0.003+/-0.000 χ^2/NDF: 2000976.2/34

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

In: 0.003+/-0.000 χ^2/NDF:8852380.9/32

Out: 0.003+/-0.000 χ^2/NDF:3458534.2/35

All: 0.003+/-0.000 χ^2/NDF: 13081034.9/68



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

Left Out: -0.011+/-0.017 χ^2/NDF:19.4/17

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

Left In: -0.022+/-0.017 χ^2/NDF:27.1/16

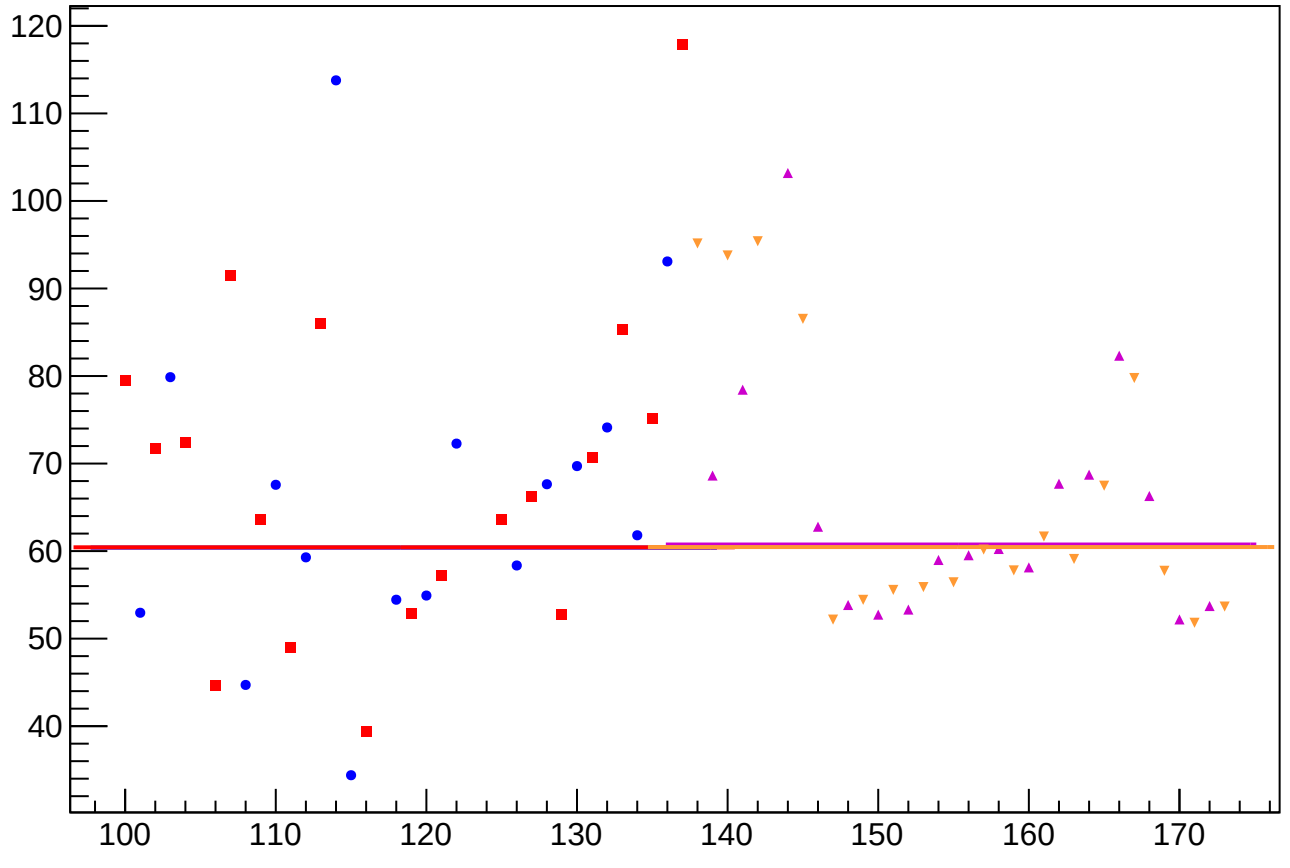
Left: -0.016+/-0.012 χ^2/NDF: 46.7/34

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

In: -0.019+/-0.014 χ^2/NDF:48.5/32

Out: -0.006+/-0.014 χ^2/NDF:47.3/35

All: -0.013+/-0.010 χ^2/NDF: 96.3/68



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

Left Out: 60.462+/-0.012 χ^2/NDF:912179.7/17

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

Left In: 60.751+/-0.012 χ^2/NDF:692840.4/16

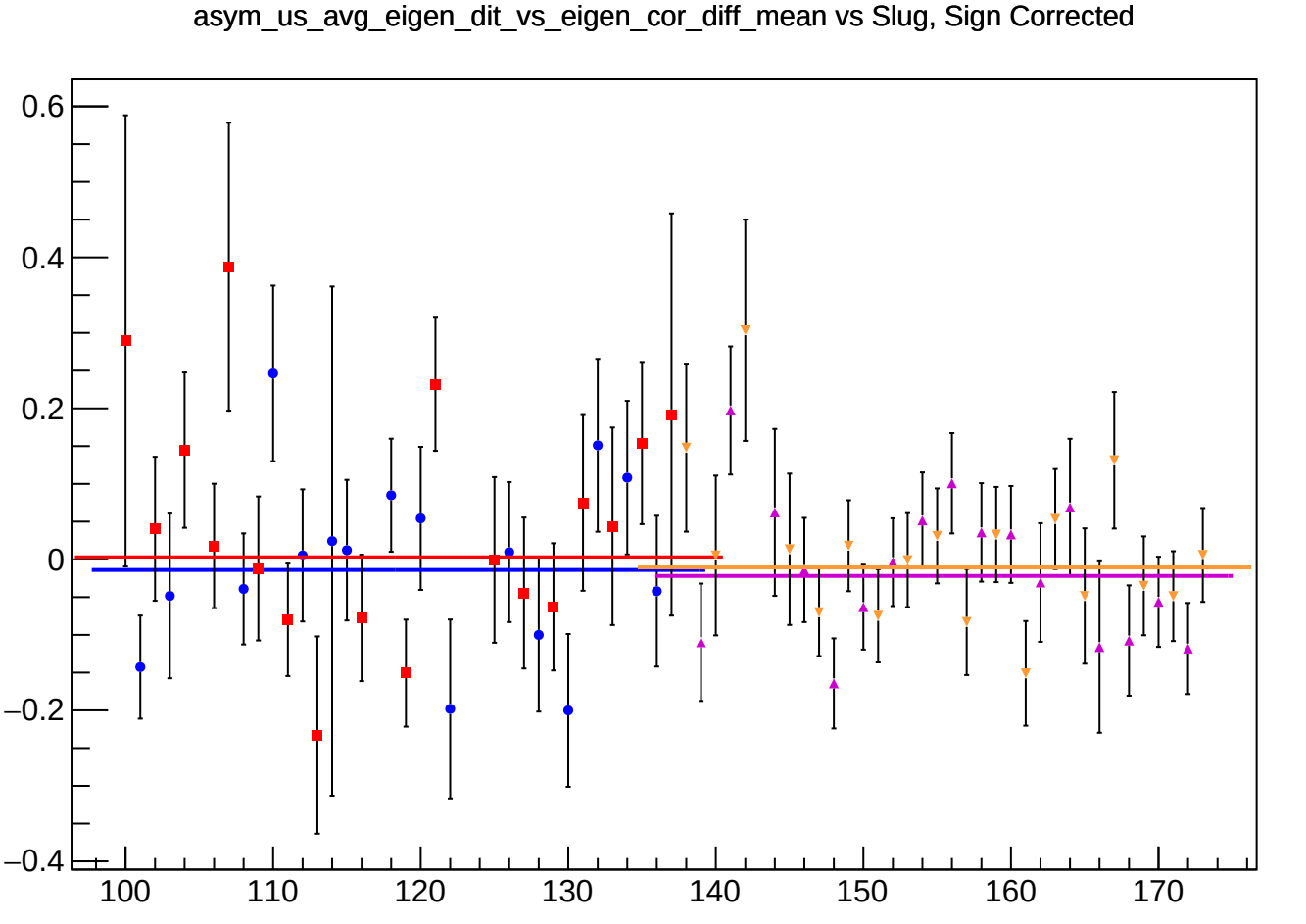
Left: 60.606+/-0.008 χ^2/NDF: 1605317.4/34

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

In: 60.634+/-0.010 χ^2/NDF:1396301.8/32

Out: 60.452+/-0.010 χ^2/NDF:1623304.0/35

All: 60.543+/-0.007 χ^2/NDF: 3019781.8/68



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

Left Out: -0.011+/-0.017 χ^2/NDF:19.4/17

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

Left In: -0.022+/-0.017 χ^2/NDF:27.1/16

Left: -0.016+/-0.012 χ^2/NDF: 46.7/34

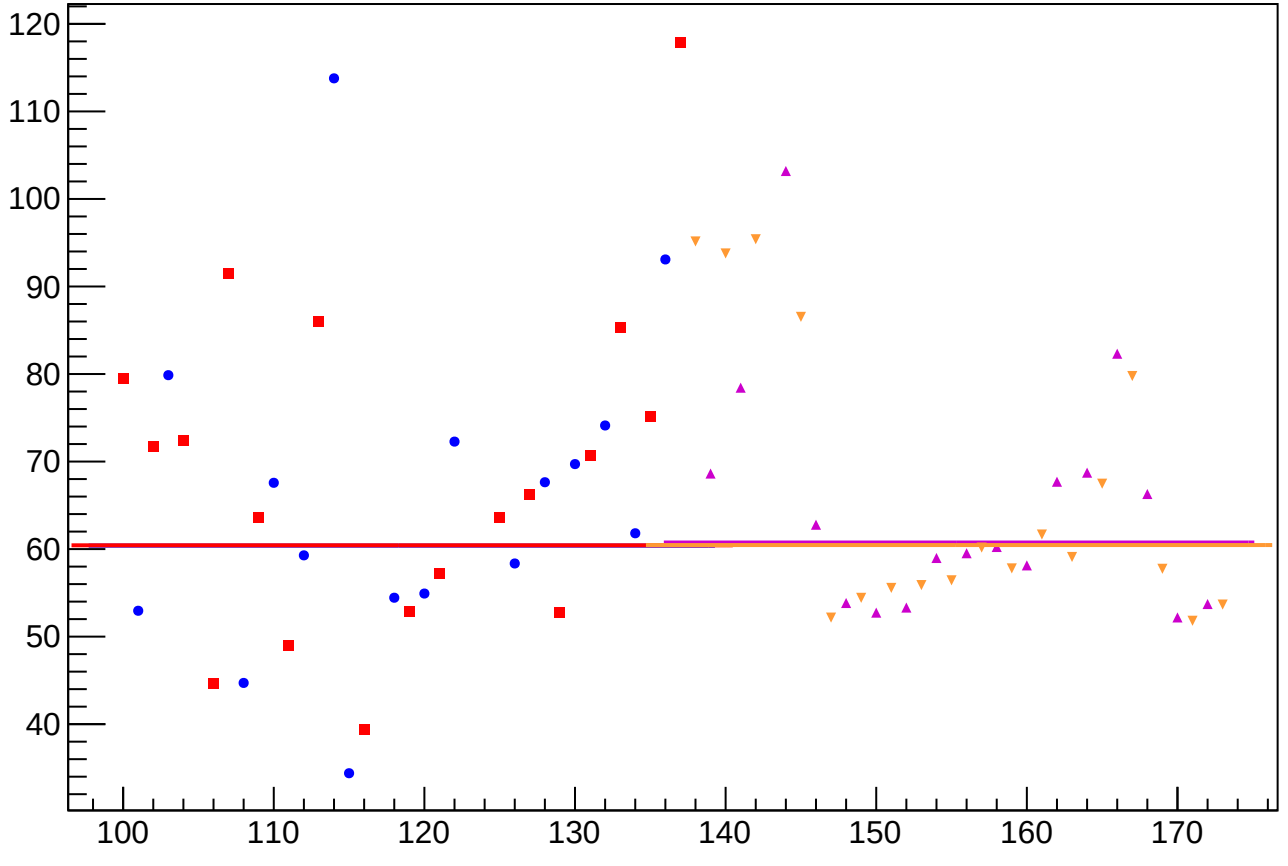
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.019+/-0.014 χ^2/NDF:48.5/32

Out: -0.006+/-0.014 χ^2/NDF:47.3/35

All: -0.013+/-0.010 χ^2/NDF: 96.3/68

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: 60.462+/-0.012 χ^2/NDF:912179.7/17

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

Left In: 60.751+/-0.012 χ^2/NDF:692840.4/16

Left: 60.606+/-0.008 χ^2/NDF: 1605317.4/34

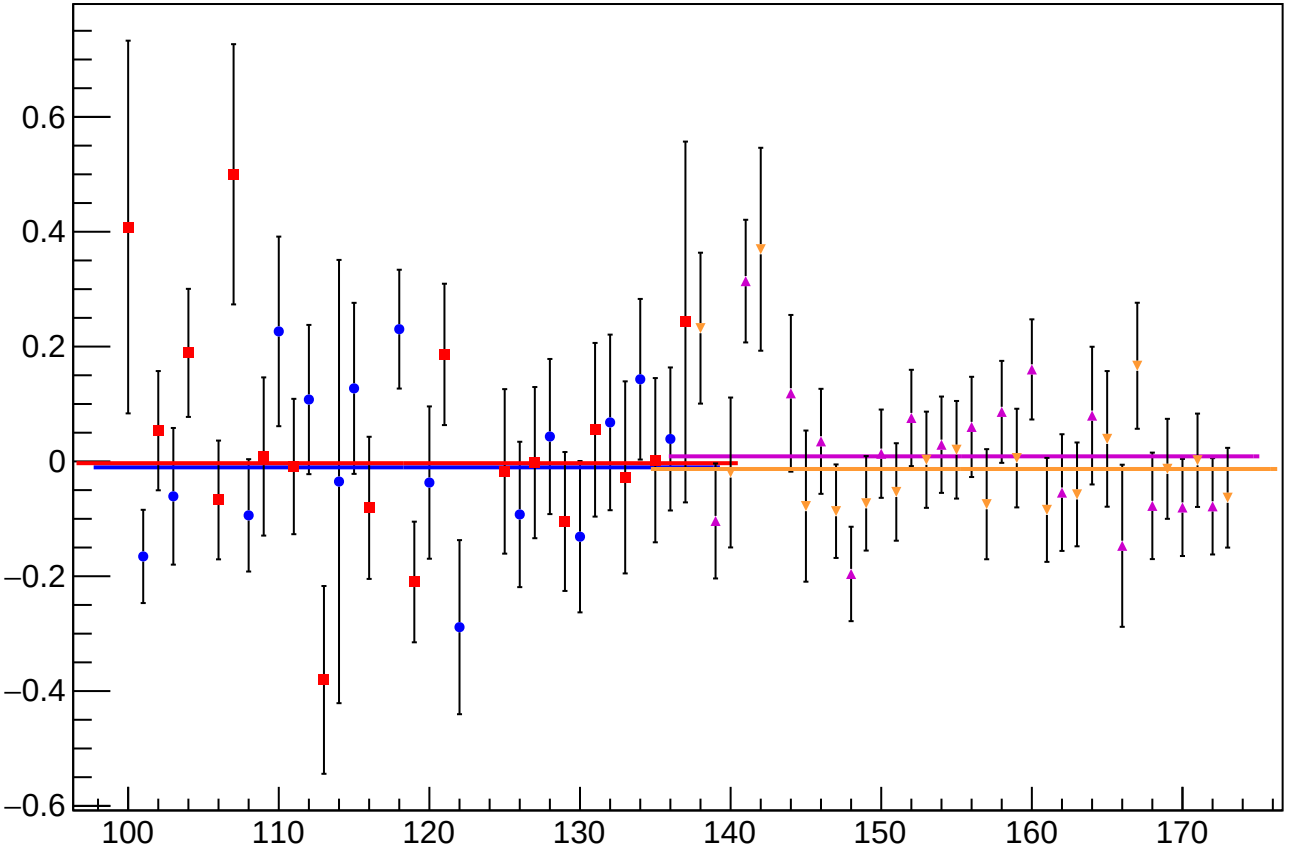
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 60.634+/-0.010 χ^2/NDF:1396301.8/32

Out: 60.452+/-0.010 χ^2/NDF:1623304.0/35

All: 60.543+/-0.007 χ^2/NDF: 3019781.8/68

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: -0.013+/-0.022 χ^2/NDF:14.7/17

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

Left In: 0.009+/-0.023 χ^2/NDF:26.2/16

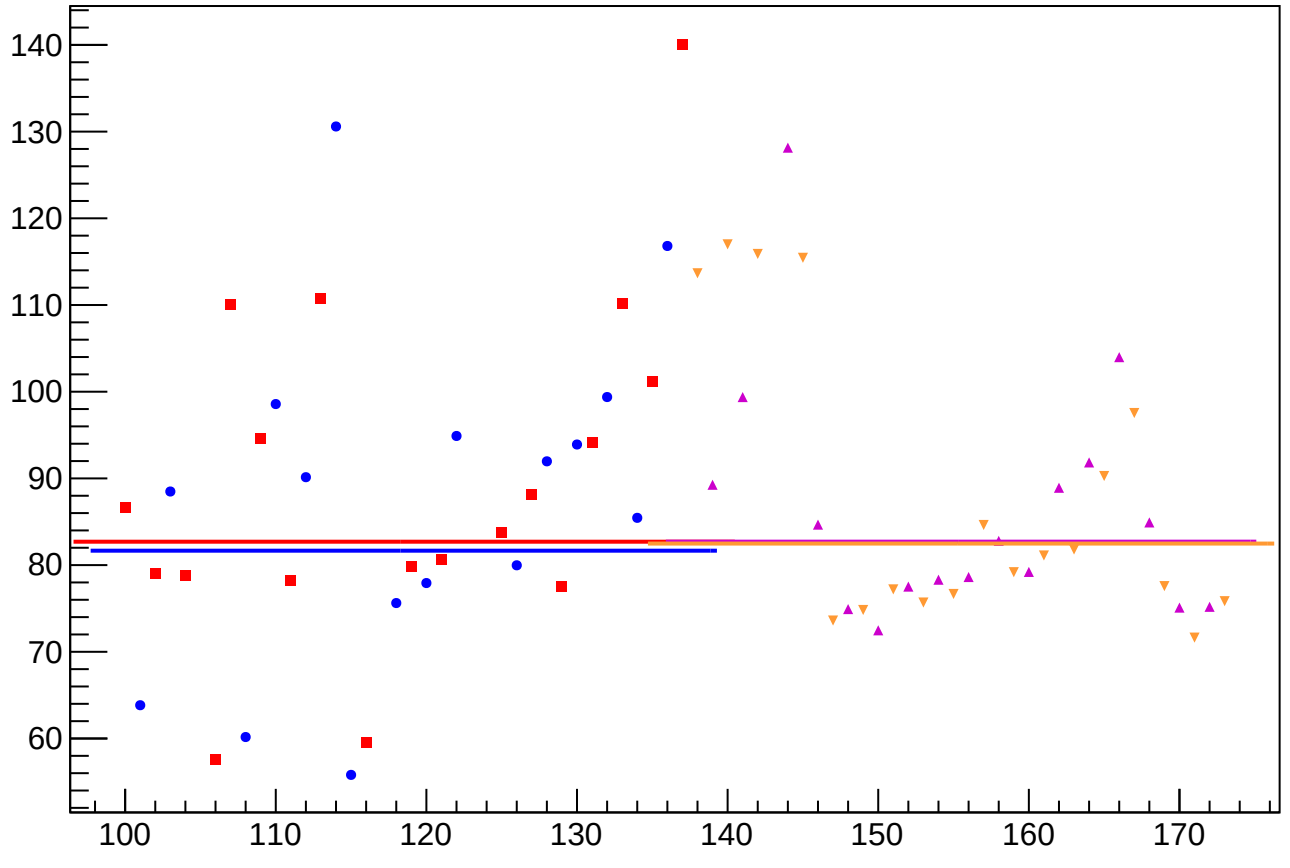
Left: -0.002+/-0.016 χ^2/NDF: 41.4/34

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

In: 0.002+/-0.018 χ^2/NDF:46.6/32

Out: -0.010+/-0.018 χ^2/NDF:38.5/35

All: -0.004+/-0.013 χ^2/NDF: 85.3/68



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

Left Out: 82.484+/-0.016 χ^2/NDF:625095.6/17

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

Left In: 82.705+/-0.016 χ^2/NDF:451948.2/16

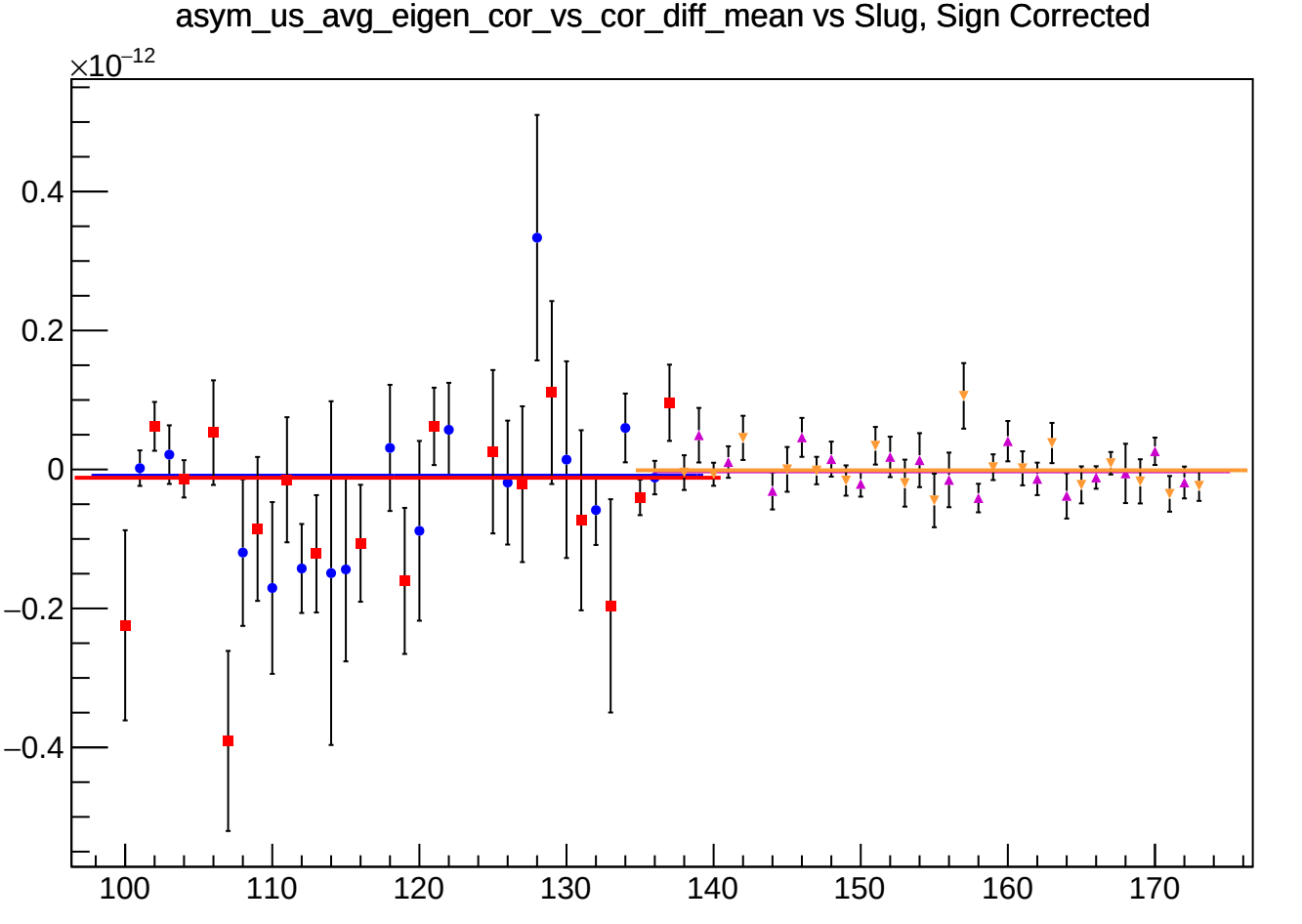
Left: 82.594+/-0.011 χ^2/NDF: 1077140.3/34

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

In: 82.353+/-0.013 χ^2/NDF:1015225.1/32

Out: 82.556+/-0.013 χ^2/NDF:1098219.8/35

All: 82.455+/-0.009 χ^2/NDF: 2113567.1/68



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

Left Out: -0.000+/-0.000 χ^2/NDF:17.1/17

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

Left In: -0.000+/-0.000 χ^2/NDF:18.5/16

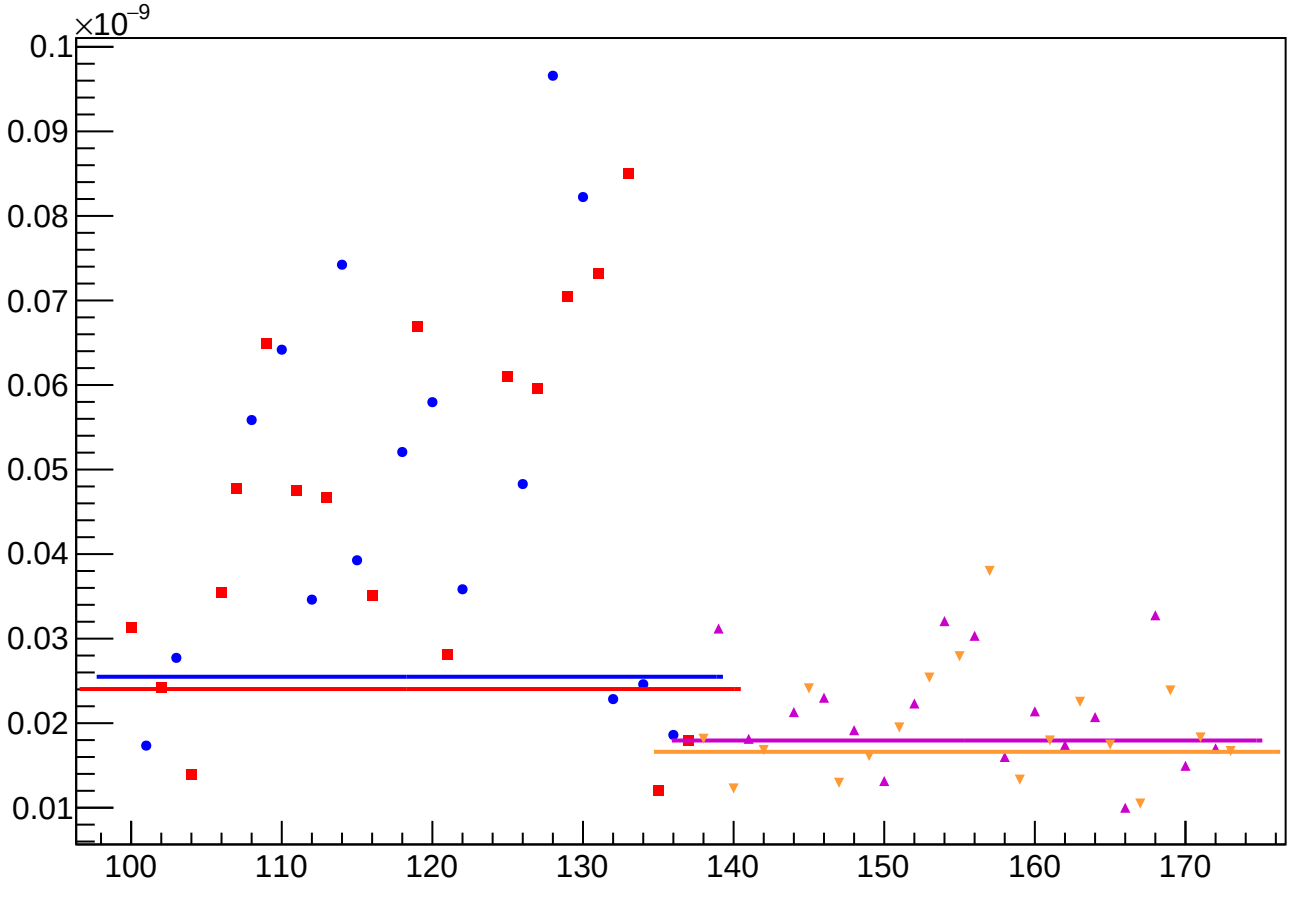
Left: -0.000+/-0.000 χ^2/NDF: 35.7/34

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

In: -0.000+/-0.000 χ^2/NDF:36.2/32

Out: -0.000+/-0.000 χ^2/NDF:48.7/35

All: -0.000+/-0.000 χ^2/NDF: 84.9/68



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

Left Out: 0.000+/-0.000 χ^2/NDF:1616968.6/17

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

Left In: 0.000+/-0.000 χ^2/NDF:1806702.2/16

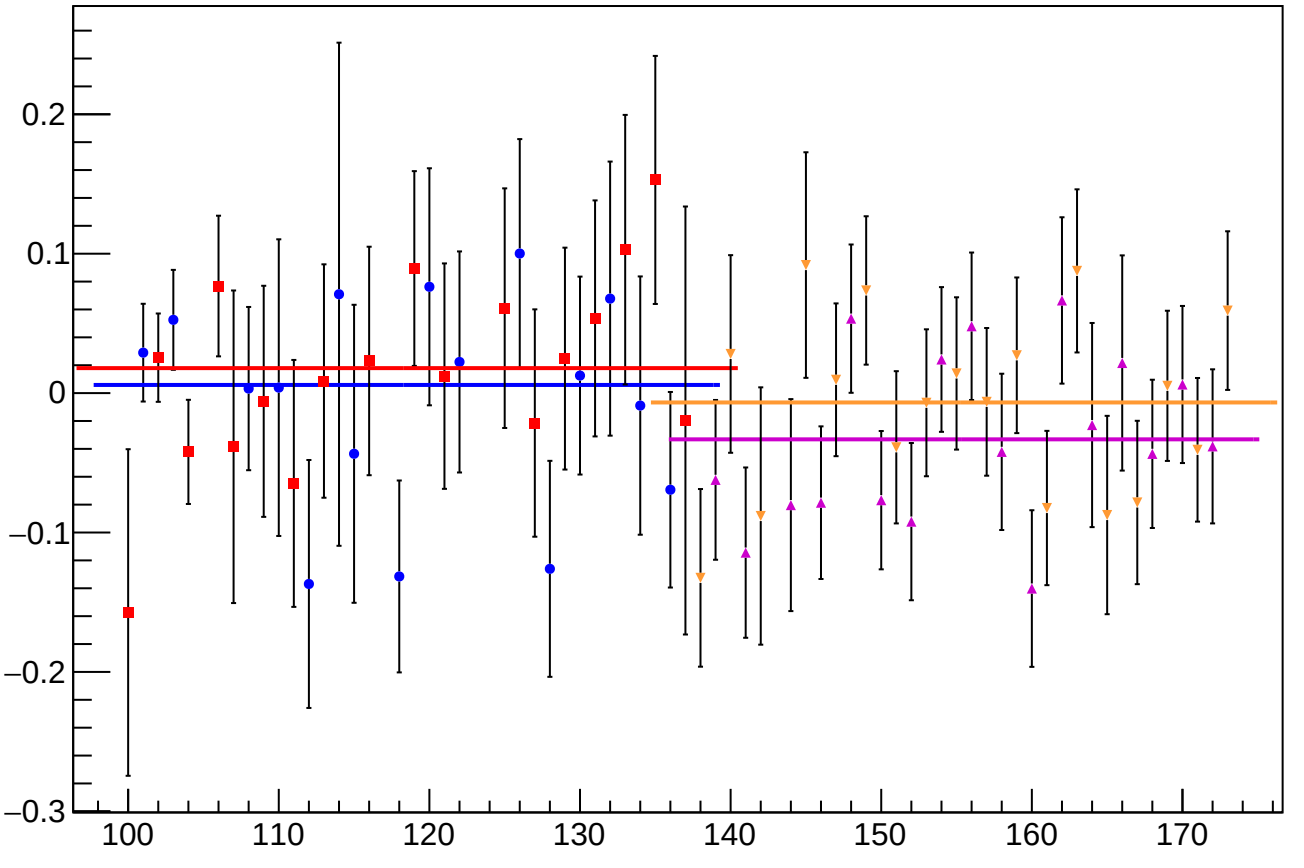
Left: 0.000+/-0.000 χ^2/NDF: 3475477.0/34

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

In: 0.000+/-0.000 χ^2/NDF:4343305.4/32

Out: 0.000+/-0.000 χ^2/NDF:5221939.9/35

All: 0.000+/-0.000 χ^2/NDF: 9642826.4/68



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

Left Out: -0.007+/-0.014 χ^2/NDF:18.7/17

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

Left In: -0.033+/-0.014 χ^2/NDF:18.7/16

Left: -0.020+/-0.010 χ^2/NDF: 39.2/34

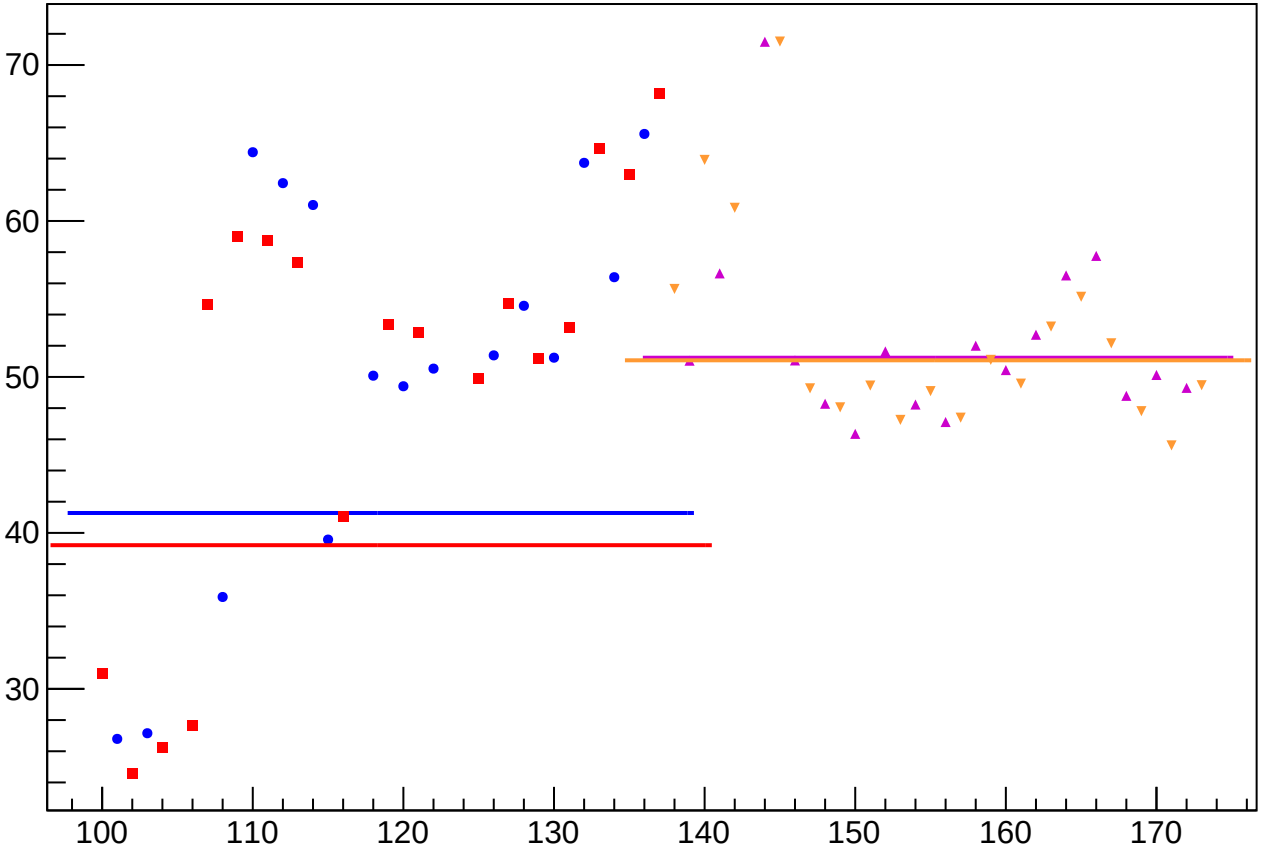
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.017+/-0.011 χ^2/NDF:37.5/32

Out: 0.004+/-0.010 χ^2/NDF:32.4/35

All: -0.006+/-0.007 χ^2/NDF: 71.9/68

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 51.067+/-0.010 χ^2/NDF:302022.5/17

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

Left In: 51.232+/-0.010 χ^2/NDF:236290.3/16

Left: 51.148+/-0.007 χ^2/NDF: 538454.8/34

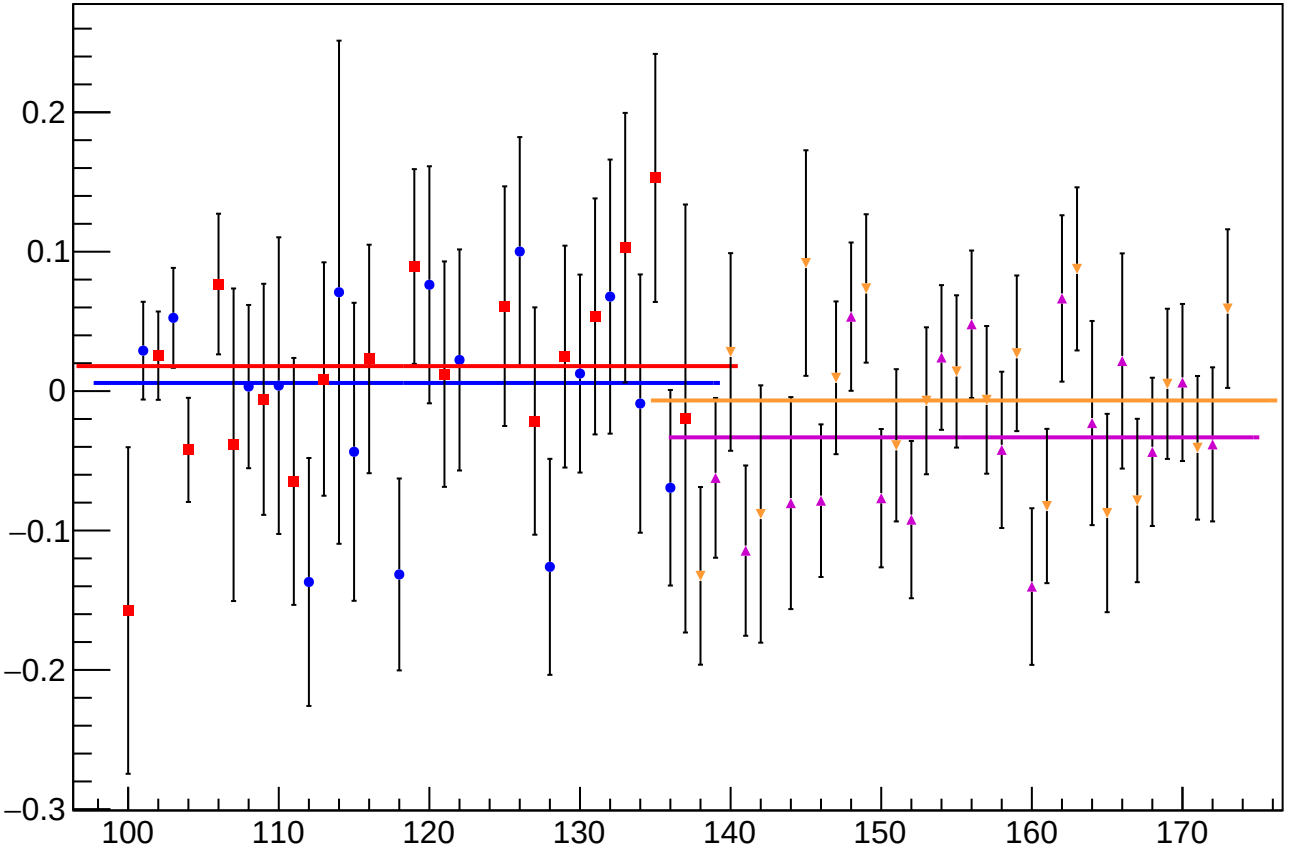
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 47.094+/-0.008 χ^2/NDF:2165680.9/32

Out: 45.910+/-0.007 χ^2/NDF:2763453.1/35

All: 46.487+/-0.005 χ^2/NDF: 4941812.2/68

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: -0.007+/-0.014 χ^2/NDF:18.7/17

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

Left In: -0.033+/-0.014 χ^2/NDF:18.7/16

Left: -0.020+/-0.010 χ^2/NDF: 39.2/34

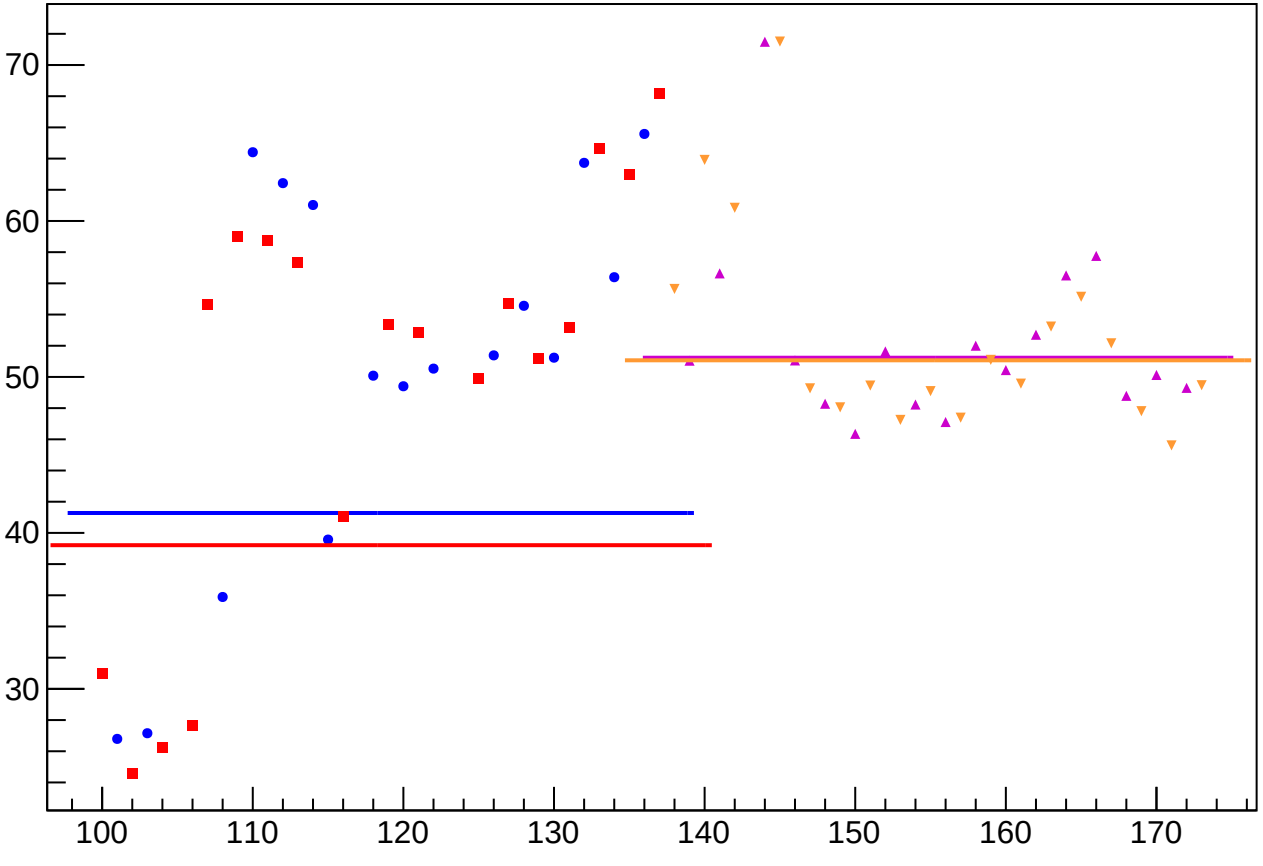
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.017+/-0.011 χ^2/NDF:37.5/32

Out: 0.004+/-0.010 χ^2/NDF:32.4/35

All: -0.006+/-0.007 χ^2/NDF: 71.9/68

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: 51.067+/-0.010 χ^2/NDF:302022.5/17

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

Left In: 51.232+/-0.010 χ^2/NDF:236290.3/16

Left: 51.148+/-0.007 χ^2/NDF: 538454.8/34

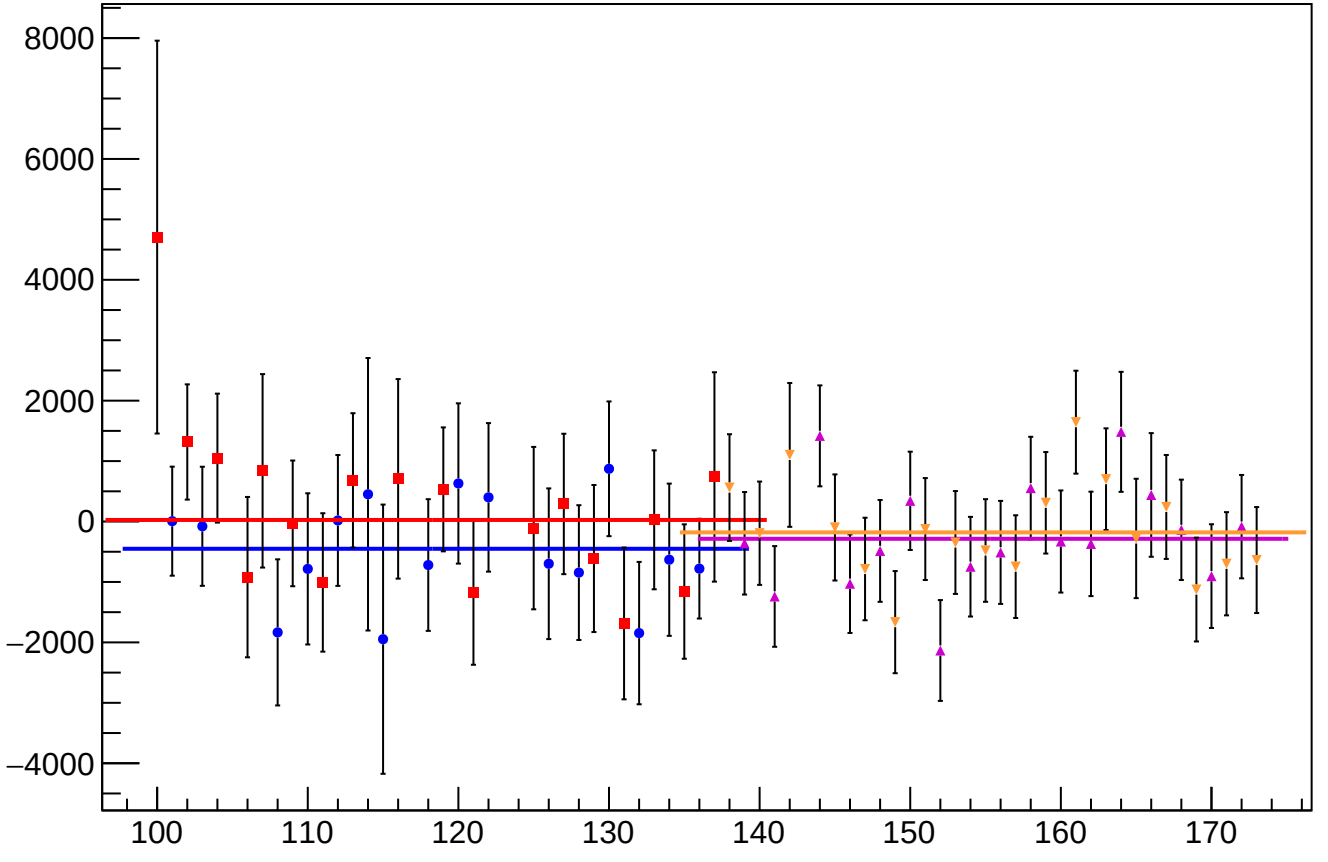
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 47.094+/-0.008 χ^2/NDF:2165680.9/32

Out: 45.910+/-0.007 χ^2/NDF:2763453.1/35

All: 46.487+/-0.005 χ^2/NDF: 4941812.2/68

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -179.729+/-205.777 χ^2/NDF:14.2/17

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

Left In: -285.792+/-207.412 χ^2/NDF:17.5/16

Left: -232.341+/-146.081 χ^2/NDF: 31.9/34

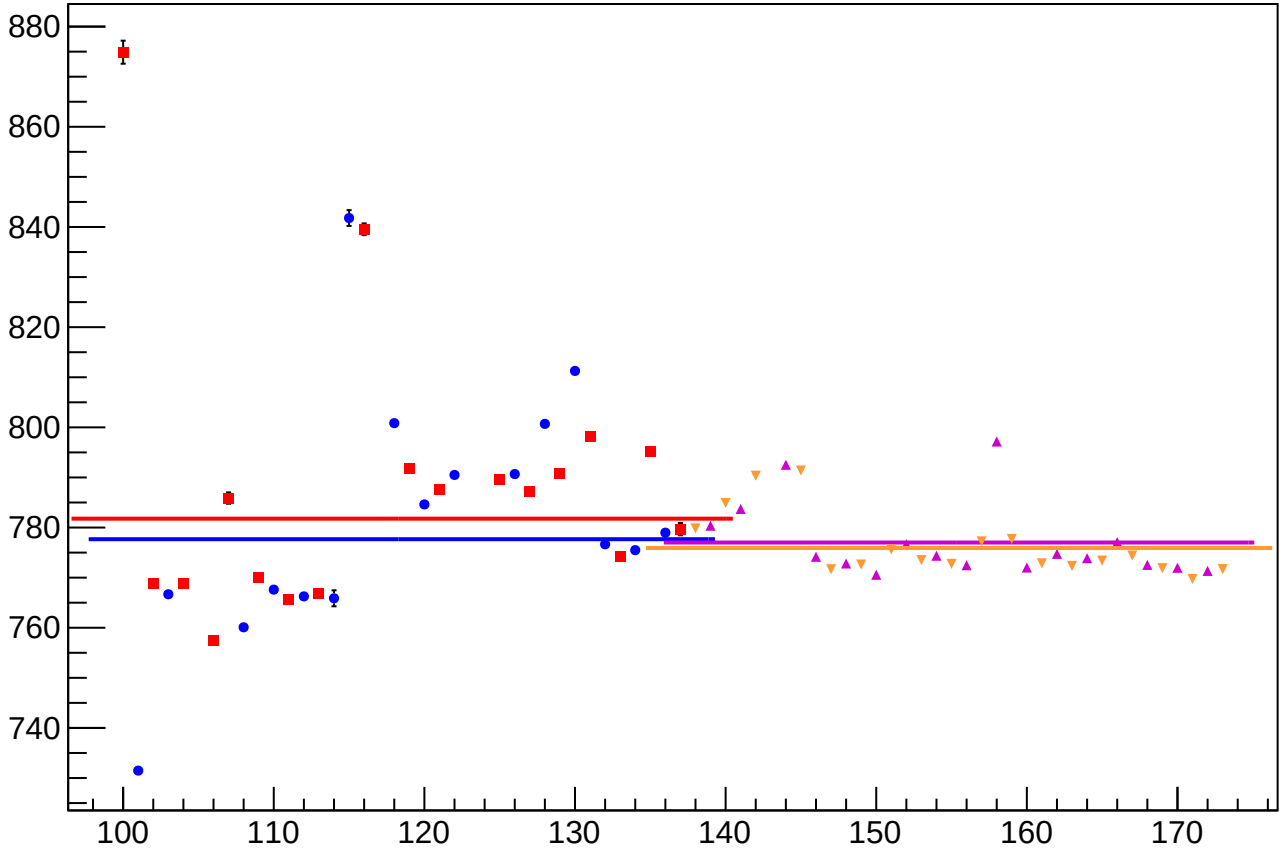
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -341.954+/-168.497 χ^2/NDF:24.7/32

Out: -110.190+/-167.446 χ^2/NDF:26.2/35

All: -225.347+/-118.772 χ^2/NDF: 51.9/68

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 775.917+/-0.146 χ^2/NDF:1590.3/17

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

Left In: 777.011+/-0.147 χ^2/NDF:2574.5/16

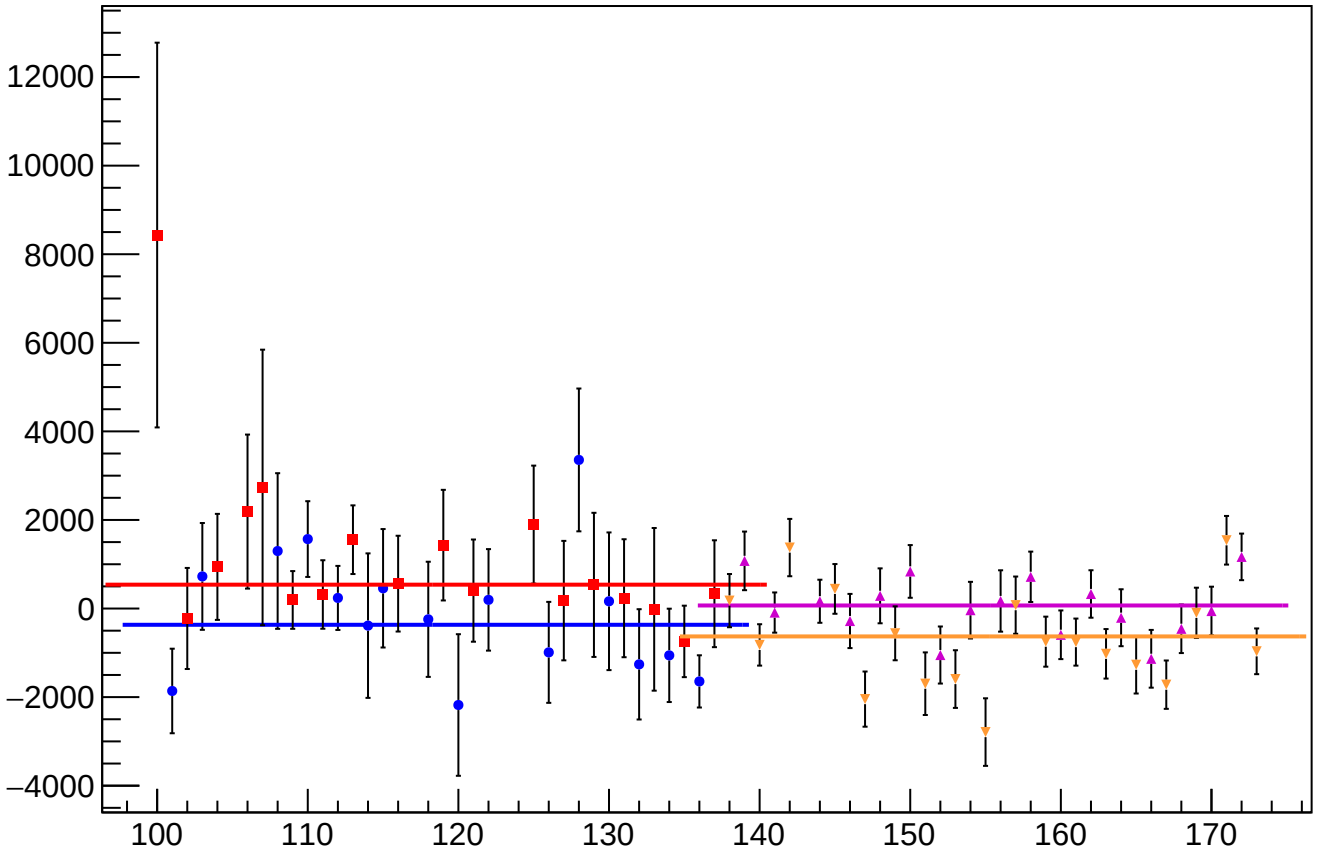
Left: 776.460+/-0.103 χ^2/NDF: 4192.9/34

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

In: 777.237+/-0.119 χ^2/NDF:14636.9/32

Out: 777.897+/-0.118 χ^2/NDF:9764.5/35

All: 777.569+/-0.084 χ^2/NDF: 24416.8/68



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

Left Out: -629.725+/-138.107 χ^2/NDF:56.6/17

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

Left In: 69.006+/-139.590 χ^2/NDF:19.6/16

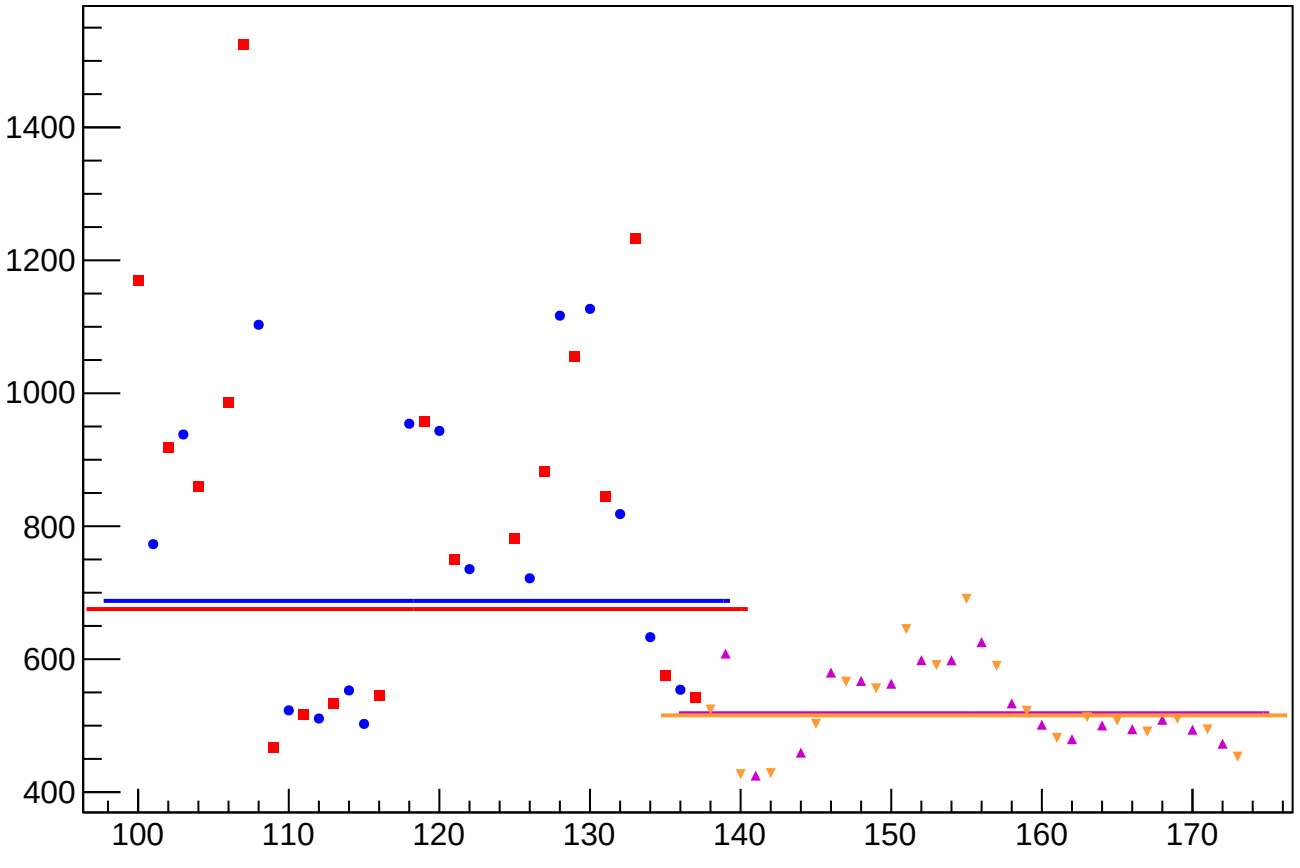
Left: -284.093+/-98.177 χ^2/NDF: 88.8/34

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

In: -24.755+/-123.674 χ^2/NDF:45.0/32

Out: -376.991+/-122.264 χ^2/NDF:83.7/35

All: -202.893+/-86.948 χ^2/NDF: 132.8/68



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

Left Out: 515.474+/-0.098 χ^2/NDF:402780.1/17

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

Left In: 518.650+/-0.099 χ^2/NDF:343089.0/16

Left: 517.045+/-0.069 χ^2/NDF: 746392.2/34

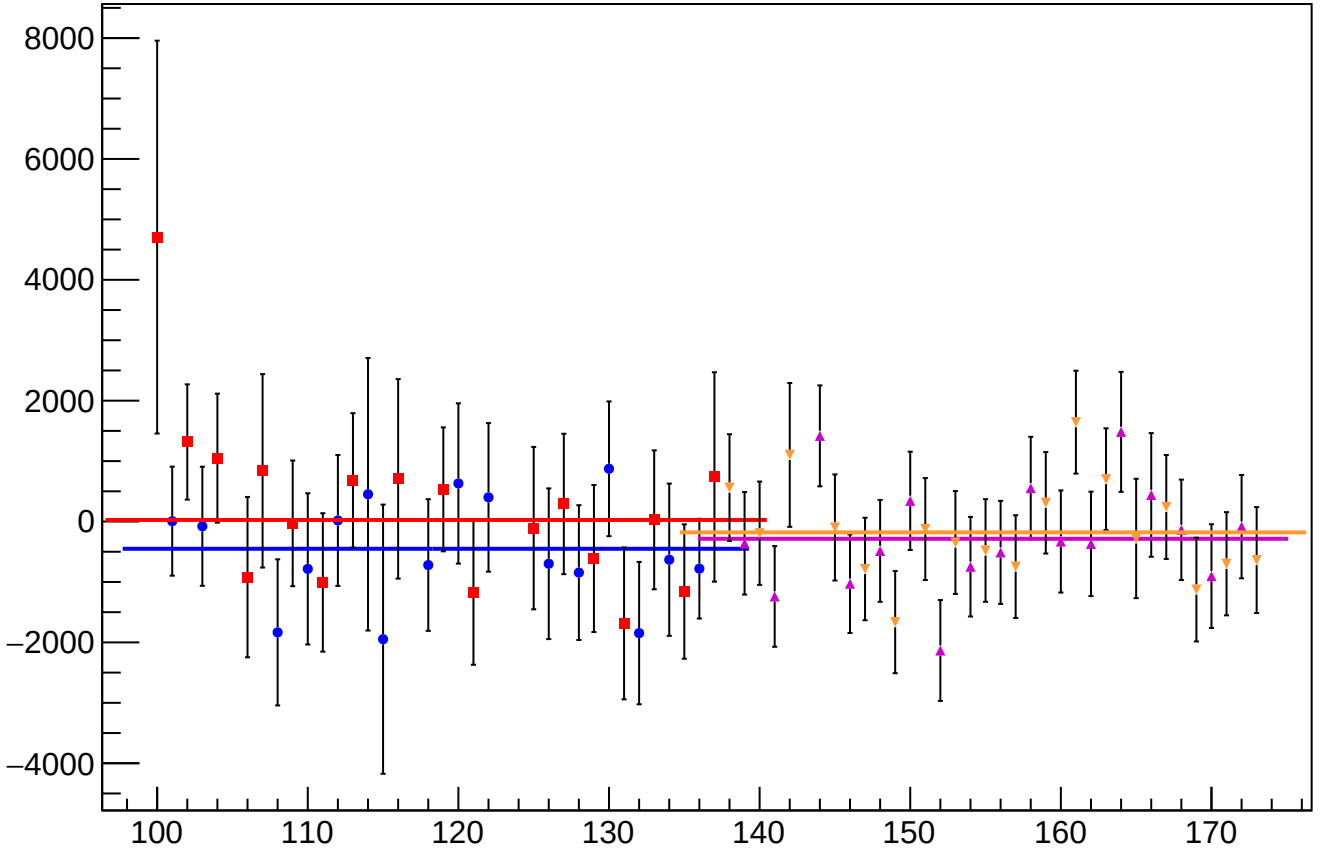
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 555.006+/-0.087 χ^2/NDF:2005885.6/32

Out: 550.063+/-0.086 χ^2/NDF:2295856.9/35

All: 552.506+/-0.061 χ^2/NDF: 4303358.3/68

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -179.729+/-205.777 χ^2/NDF:14.2/17

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

Left In: -285.792+/-207.412 χ^2/NDF:17.5/16

Left: -232.341+/-146.081 χ^2/NDF: 31.9/34

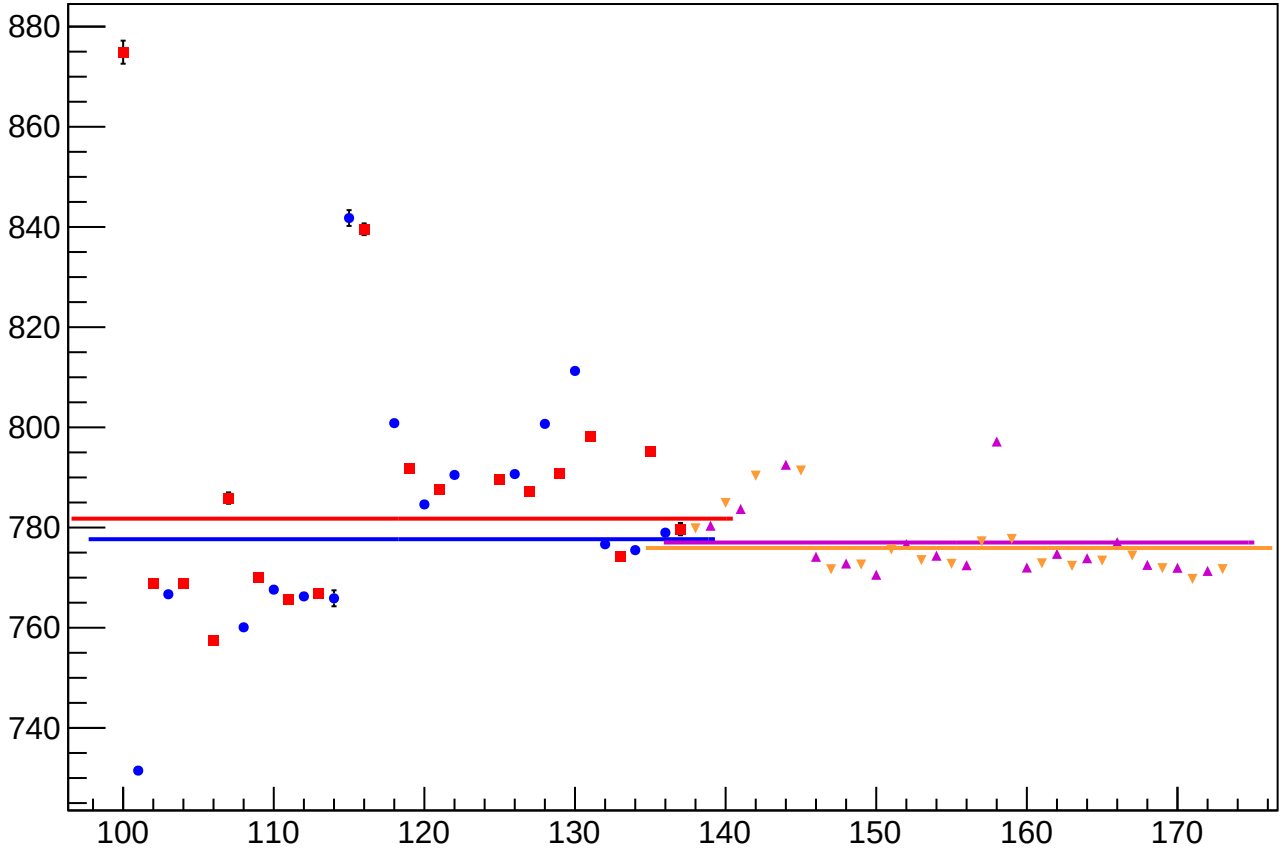
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -341.954+/-168.497 χ^2/NDF:24.7/32

Out: -110.190+/-167.446 χ^2/NDF:26.2/35

All: -225.347+/-118.772 χ^2/NDF: 51.9/68

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 775.917+/-0.146 χ^2/NDF:1590.3/17

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

Left In: 777.011+/-0.147 χ^2/NDF:2574.5/16

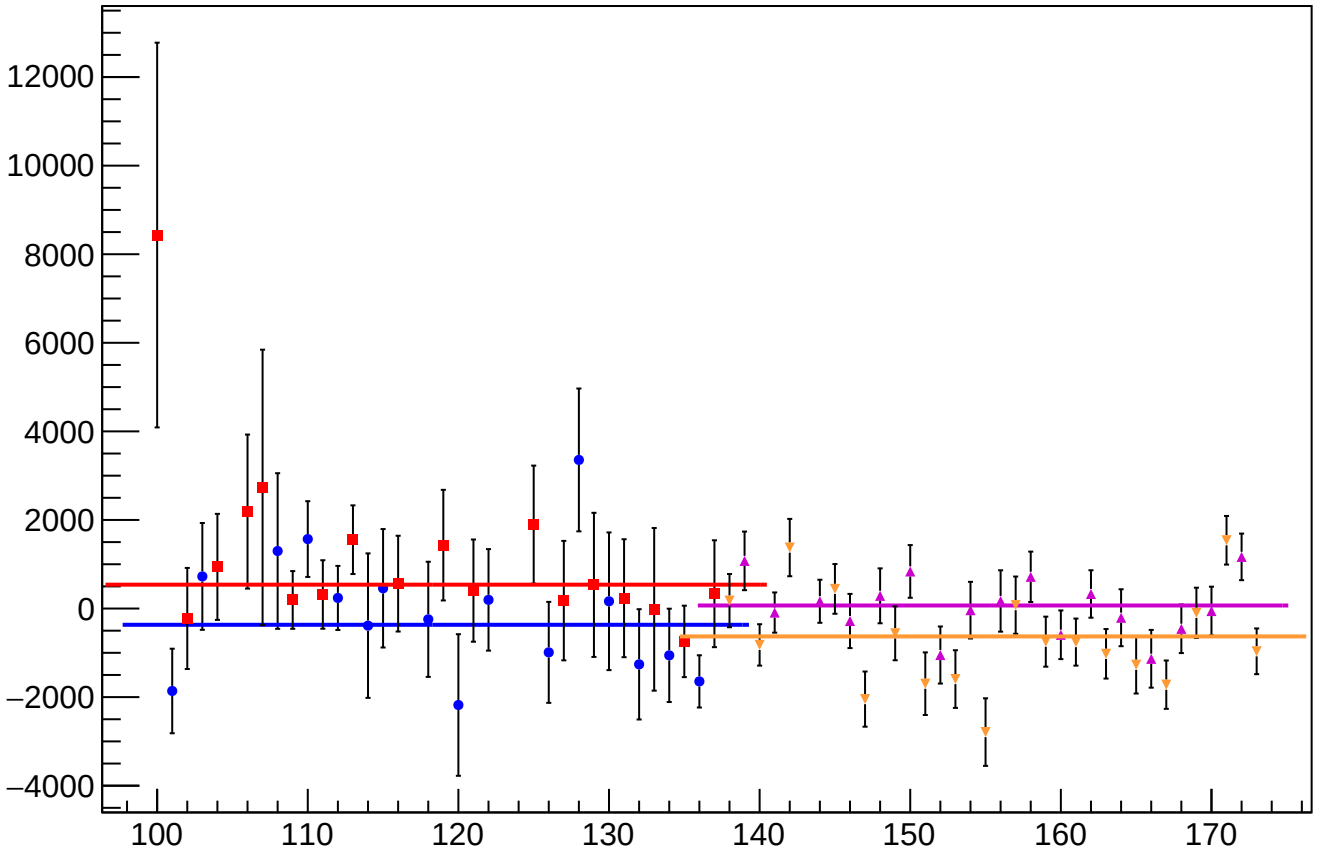
Left: 776.460+/-0.103 χ^2/NDF: 4192.9/34

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

In: 777.237+/-0.119 χ^2/NDF:14636.9/32

Out: 777.897+/-0.118 χ^2/NDF:9764.5/35

All: 777.569+/-0.084 χ^2/NDF: 24416.8/68



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

Left Out: -629.725+/-138.107 χ^2/NDF:56.6/17

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

Left In: 69.006+/-139.590 χ^2/NDF:19.6/16

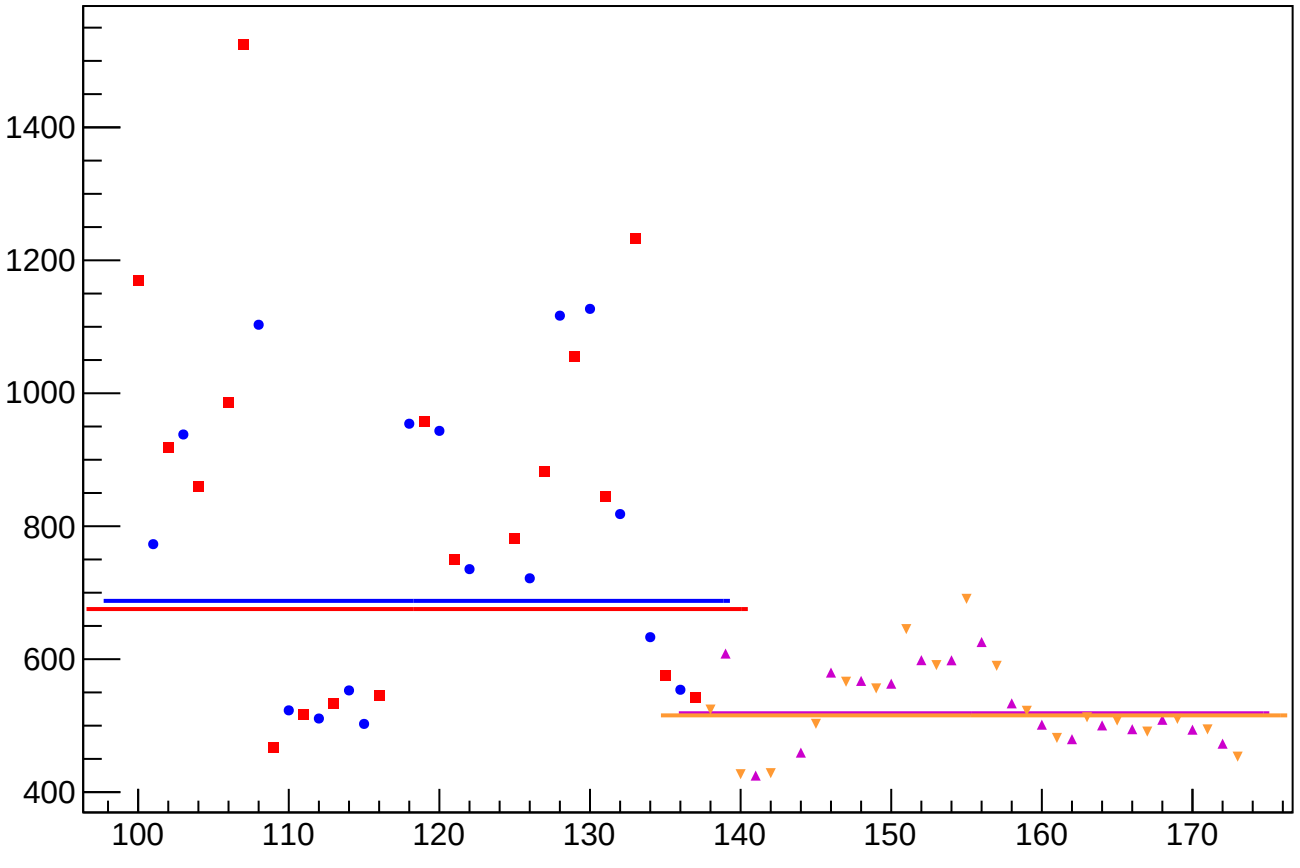
Left: -284.093+/-98.177 χ^2/NDF: 88.8/34

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

In: -24.755+/-123.674 χ^2/NDF:45.0/32

Out: -376.991+/-122.264 χ^2/NDF:83.7/35

All: -202.893+/-86.948 χ^2/NDF: 132.8/68



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

Left Out: 515.474+/-0.098 χ^2/NDF:402780.1/17

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

Left In: 518.650+/-0.099 χ^2/NDF:343089.0/16

Left: 517.045+/-0.069 χ^2/NDF: 746392.2/34

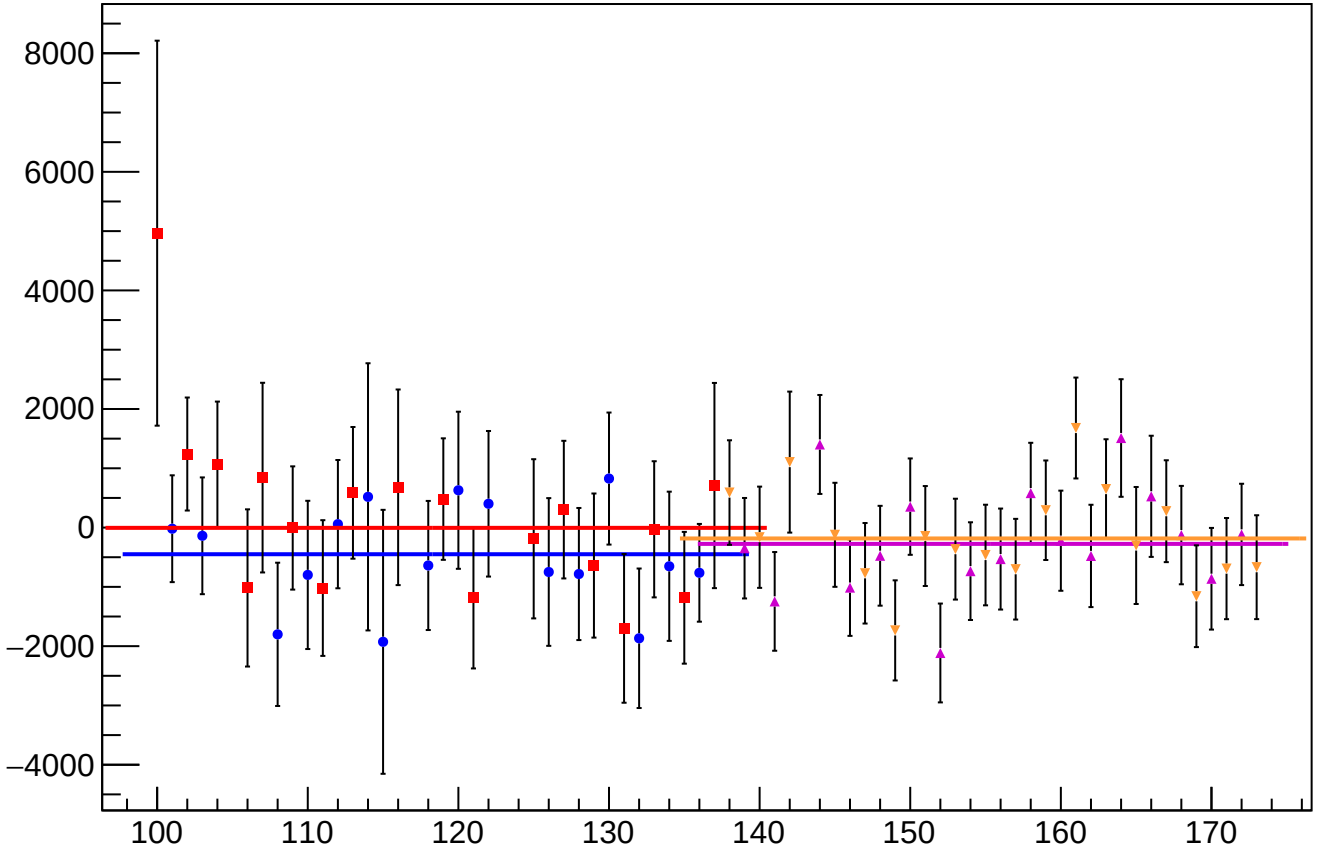
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 555.006+/-0.087 χ^2/NDF:2005885.6/32

Out: 550.063+/-0.086 χ^2/NDF:2295856.9/35

All: 552.506+/-0.061 χ^2/NDF: 4303358.3/68

overload_cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -183.505+/-205.588 χ^2/NDF:14.7/17

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

Left In: -275.099+/-207.224 χ^2/NDF:17.6/16

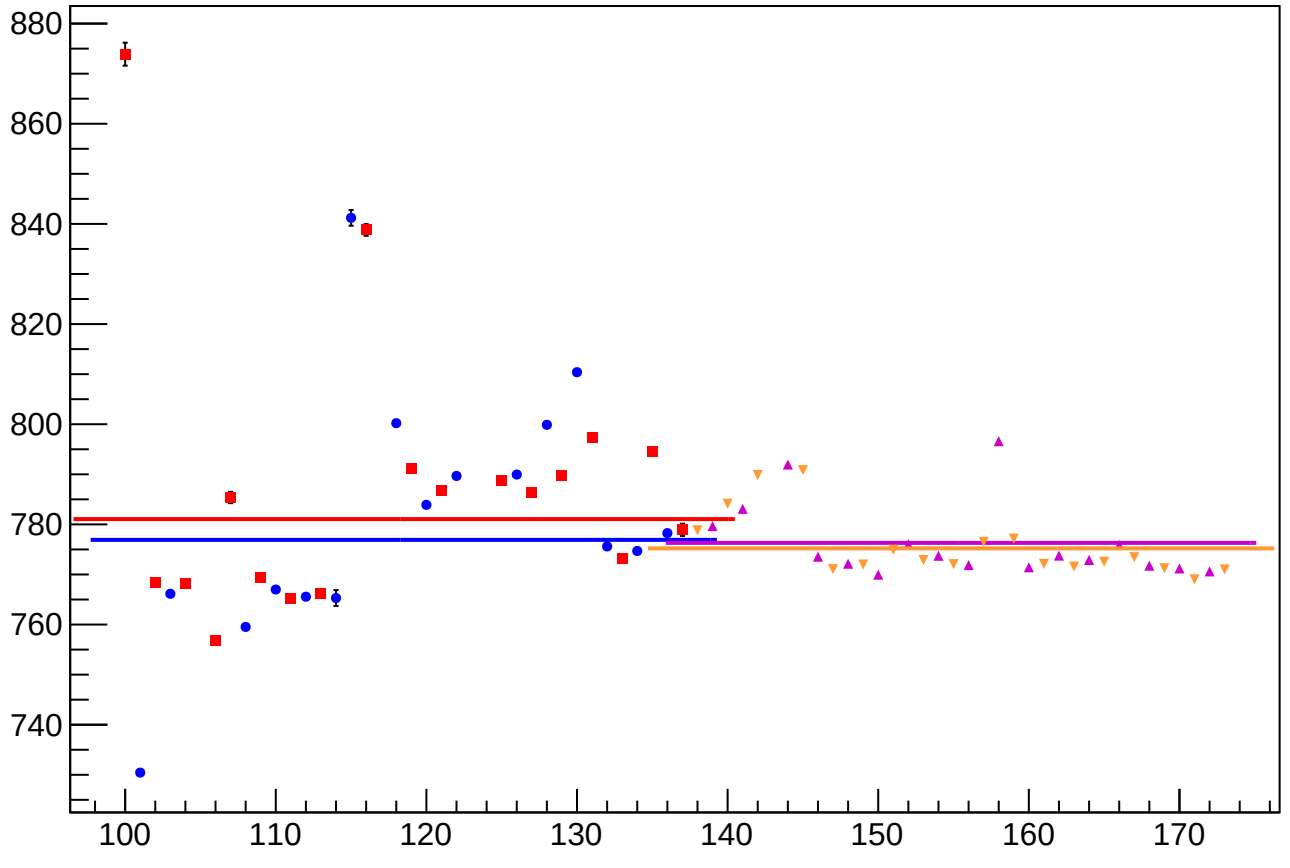
Left: -228.939+/-145.948 χ^2/NDF: 32.4/34

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

In: -334.385+/-168.340 χ^2/NDF:24.6/32

Out: -123.077+/-167.293 χ^2/NDF:26.8/35

All: -228.072+/-118.662 χ^2/NDF: 52.2/68



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

Left Out: 775.208+/-0.145 χ^2/NDF:1605.3/17

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

Left In: 776.307+/-0.147 χ^2/NDF:2608.1/16

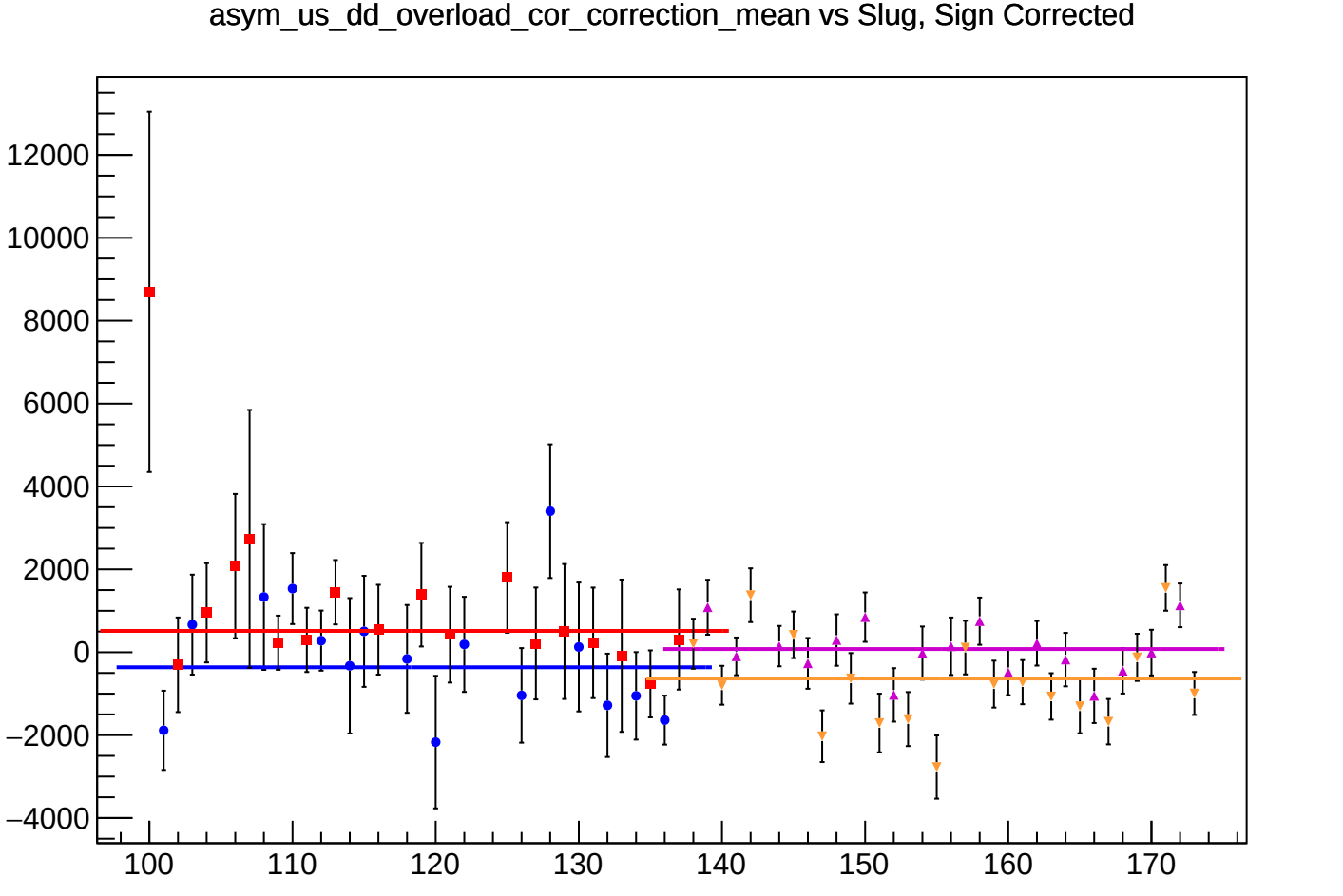
Left: 775.753+/-0.103 χ^2/NDF: 4241.8/34

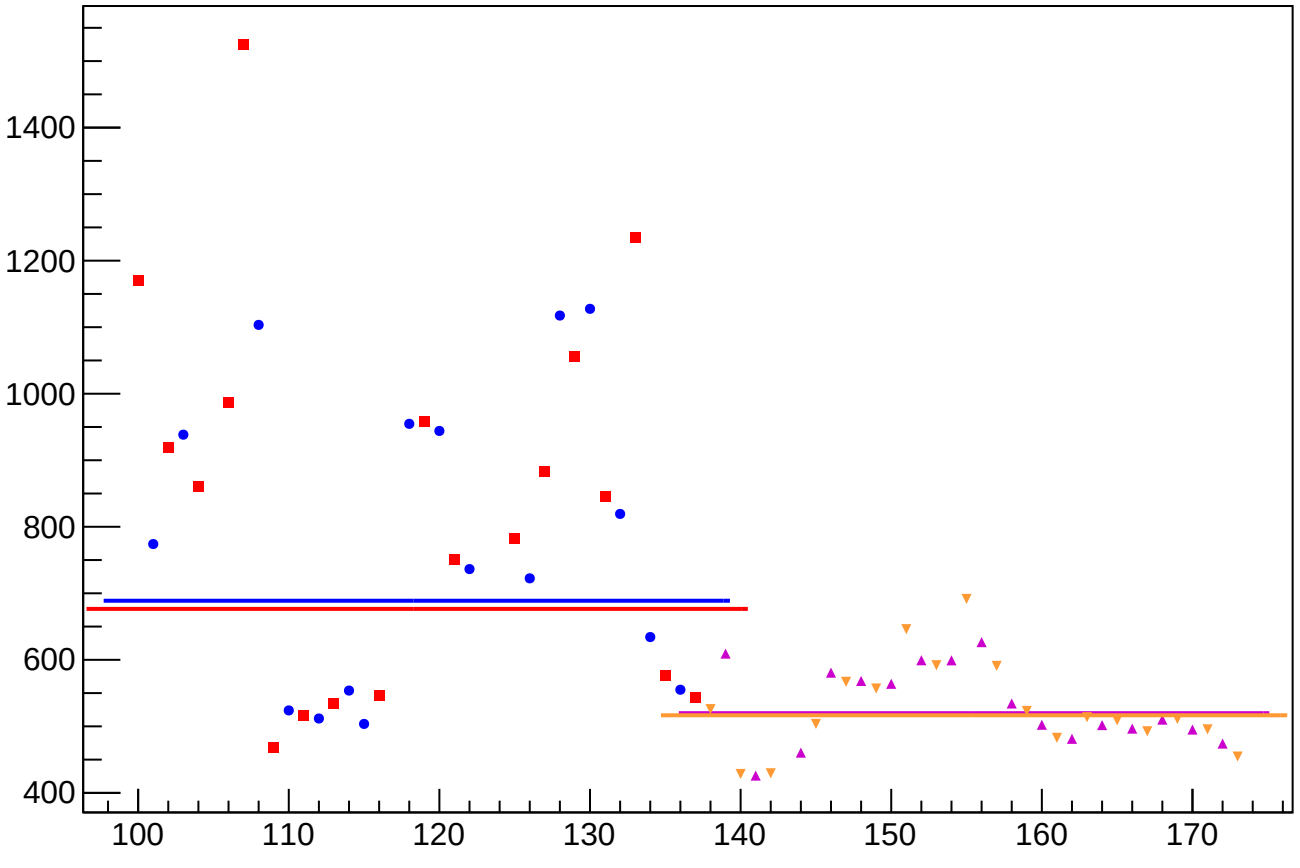
Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

In: 776.513+/-0.119 χ^2/NDF:14737.5/32

Out: 777.185+/-0.118 χ^2/NDF:9738.8/35

All: 776.851+/-0.084 χ^2/NDF: 24492.3/68


asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: -362.811+/-267.086 χ²/NDF: 23.4/15
Left Out: -632.528+/-138.411 χ²/NDF:56.3/17
Right Out: 515.295+/-263.302 χ²/NDF: 11.4/17
Left In: 77.500+/-139.892 χ²/NDF:18.2/16
Left: -281.292+/-98.391 χ²/NDF: 87.5/34
Right: 82.506+/-187.506 χ²/NDF: 40.2/33
In: -17.289+/-123.923 χ²/NDF:43.7/32
Out: -384.017+/-122.515 χ²/NDF:82.6/35
All: -202.748+/-87.125 χ²/NDF: 130.7/68



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

Left Out: 516.655+/-0.098 χ^2/NDF:399347.4/17

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

Left In: 519.810+/-0.099 χ^2/NDF:339946.2/16

Left: 518.216+/-0.070 χ^2/NDF: 739807.4/34

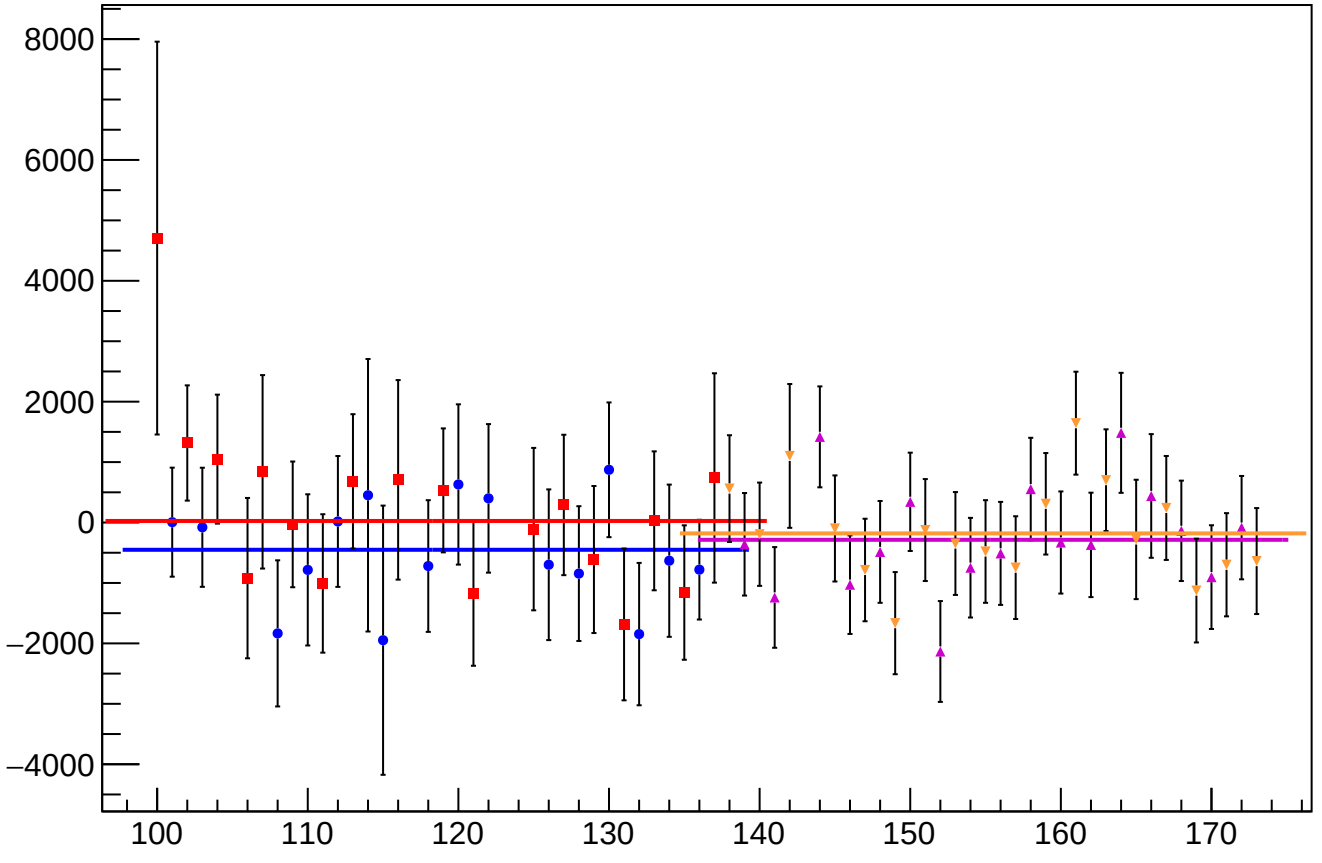
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

In: 556.196+/-0.088 χ^2/NDF:1996578.7/32

Out: 551.278+/-0.087 χ^2/NDF:2285407.1/35

All: 553.709+/-0.062 χ^2/NDF: 4283578.5/68

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -179.729+/-205.777 χ^2/NDF:14.2/17

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

Left In: -285.792+/-207.412 χ^2/NDF:17.5/16

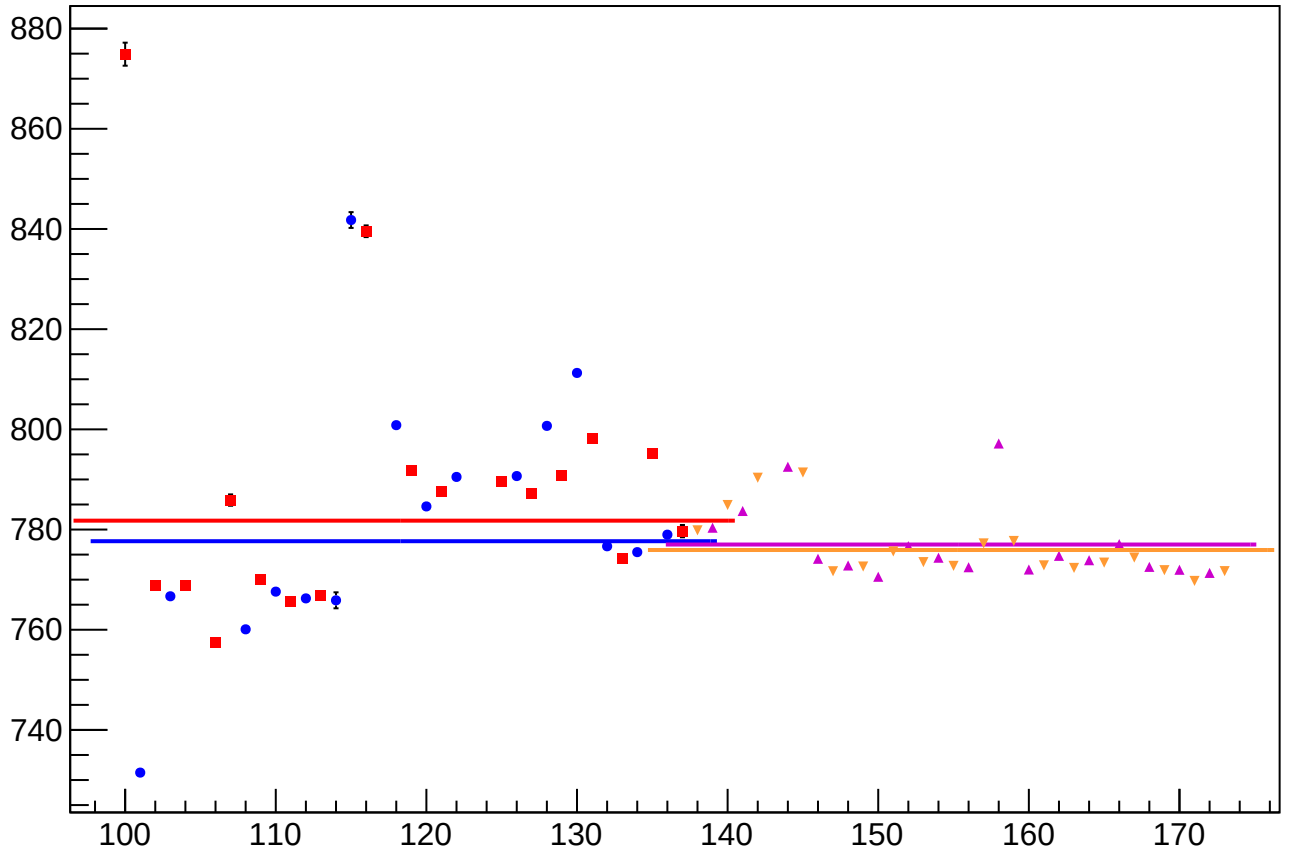
Left: -232.341+/-146.081 χ^2/NDF: 31.9/34

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

In: -341.954+/-168.497 χ^2/NDF:24.7/32

Out: -110.190+/-167.446 χ^2/NDF:26.2/35

All: -225.347+/-118.772 χ^2/NDF: 51.9/68



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

Left Out: 775.917+/-0.146 χ^2/NDF:1590.3/17

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

Left In: 777.011+/-0.147 χ^2/NDF:2574.5/16

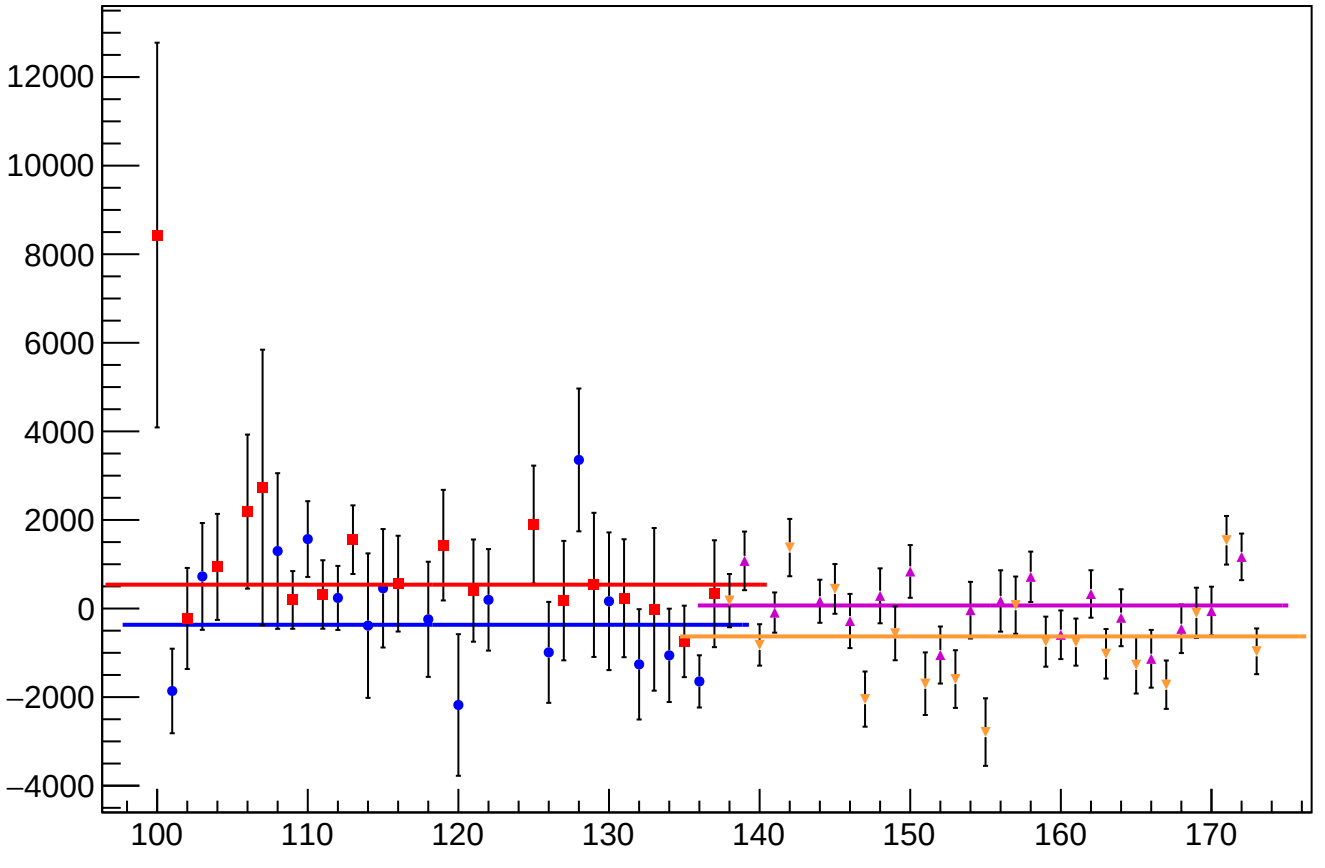
Left: 776.460+/-0.103 χ^2/NDF: 4192.9/34

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

In: 777.237+/-0.119 χ^2/NDF:14636.9/32

Out: 777.897+/-0.118 χ^2/NDF:9764.5/35

All: 777.569+/-0.084 χ^2/NDF: 24416.8/68



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

Left Out: -629.725+/-138.107 χ^2/NDF:56.6/17

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

Left In: 69.006+/-139.590 χ^2/NDF:19.6/16

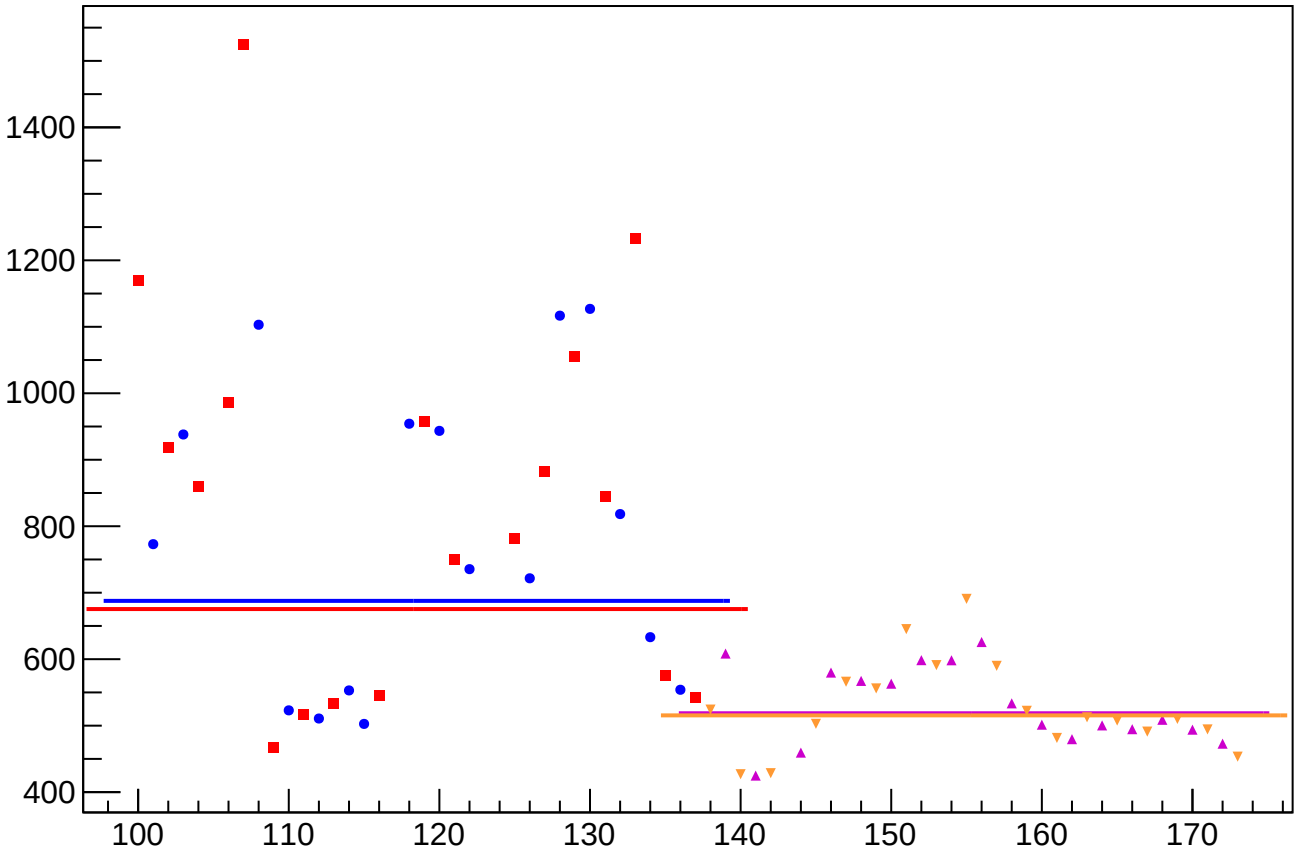
Left: -284.093+/-98.177 χ^2/NDF: 88.8/34

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

In: -24.755+/-123.674 χ^2/NDF:45.0/32

Out: -376.991+/-122.264 χ^2/NDF:83.7/35

All: -202.893+/-86.948 χ^2/NDF: 132.8/68



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

Left Out: 515.474+/-0.098 χ^2/NDF:402780.1/17

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

Left In: 518.650+/-0.099 χ^2/NDF:343089.0/16

Left: 517.045+/-0.069 χ^2/NDF: 746392.2/34

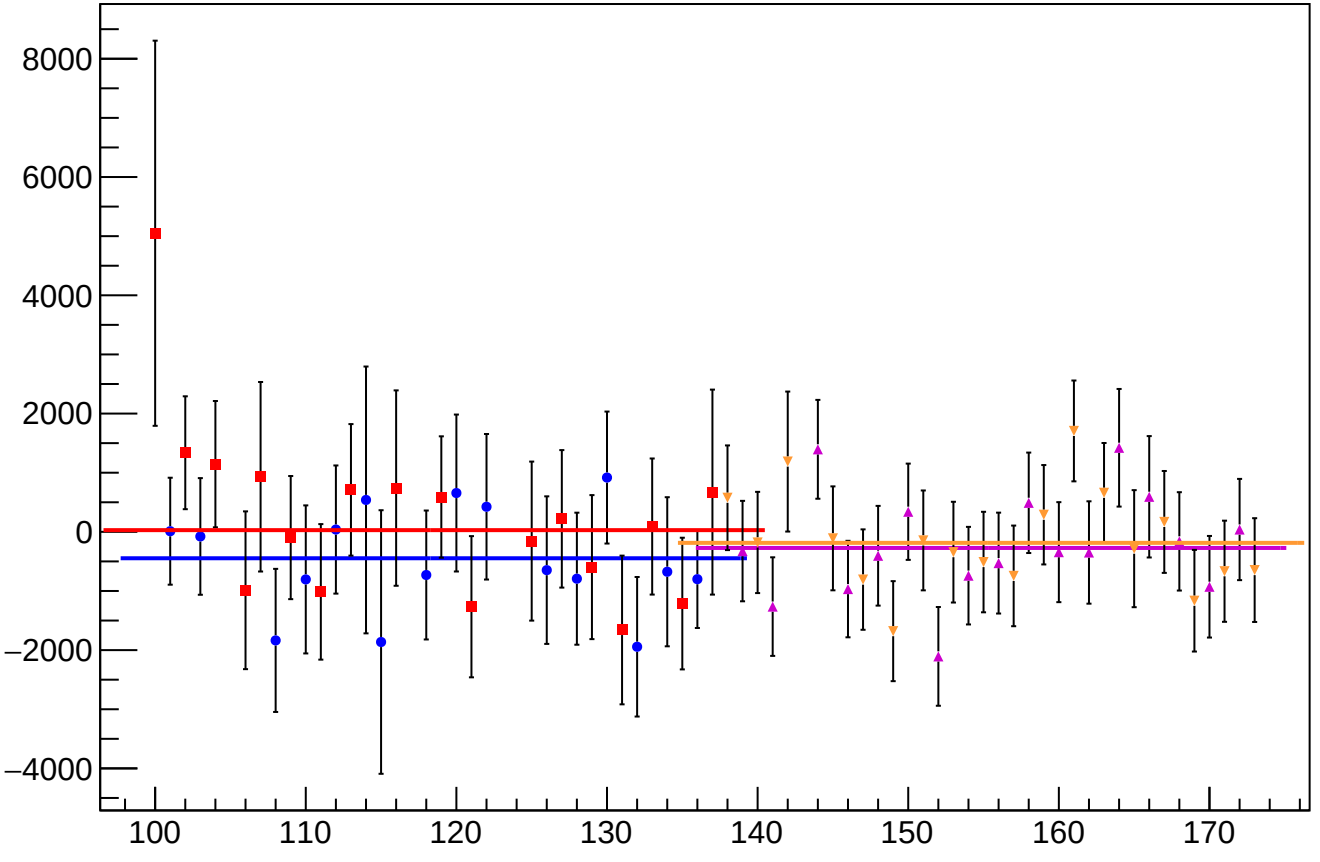
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 555.006+/-0.087 χ^2/NDF:2005885.6/32

Out: 550.063+/-0.086 χ^2/NDF:2295856.9/35

All: 552.506+/-0.061 χ^2/NDF: 4303358.3/68

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -186.158+/-205.955 χ^2/NDF:14.7/17

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

Left In: -272.407+/-207.613 χ^2/NDF:17.1/16

Left: -228.937+/-146.215 χ^2/NDF: 31.9/34

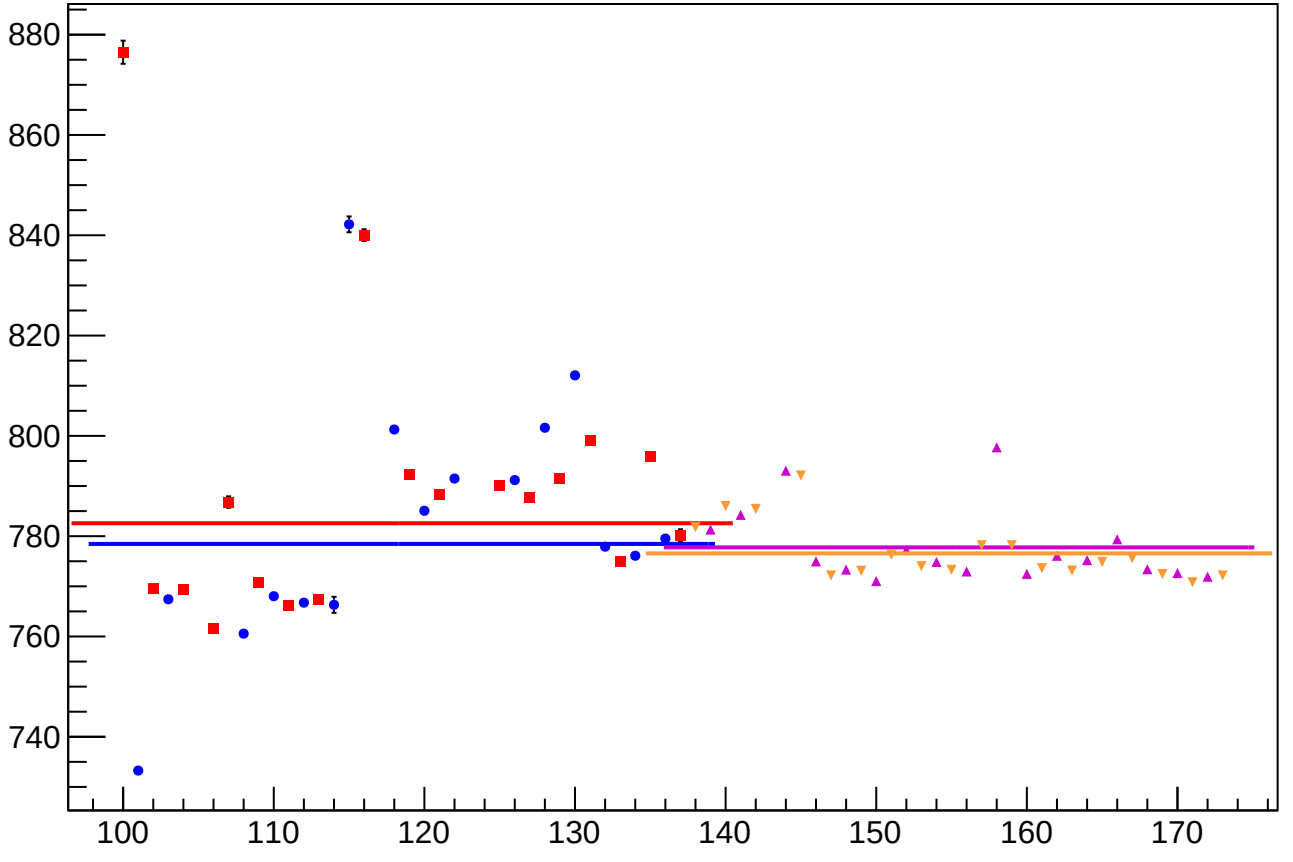
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -331.658+/-168.661 χ^2/NDF:24.7/32

Out: -113.553+/-167.600 χ^2/NDF:27.7/35

All: -221.917+/-118.884 χ^2/NDF: 53.2/68

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 776.569+/-0.146 χ^2/NDF:1452.5/17

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

Left In: 777.762+/-0.147 χ^2/NDF:2555.7/16

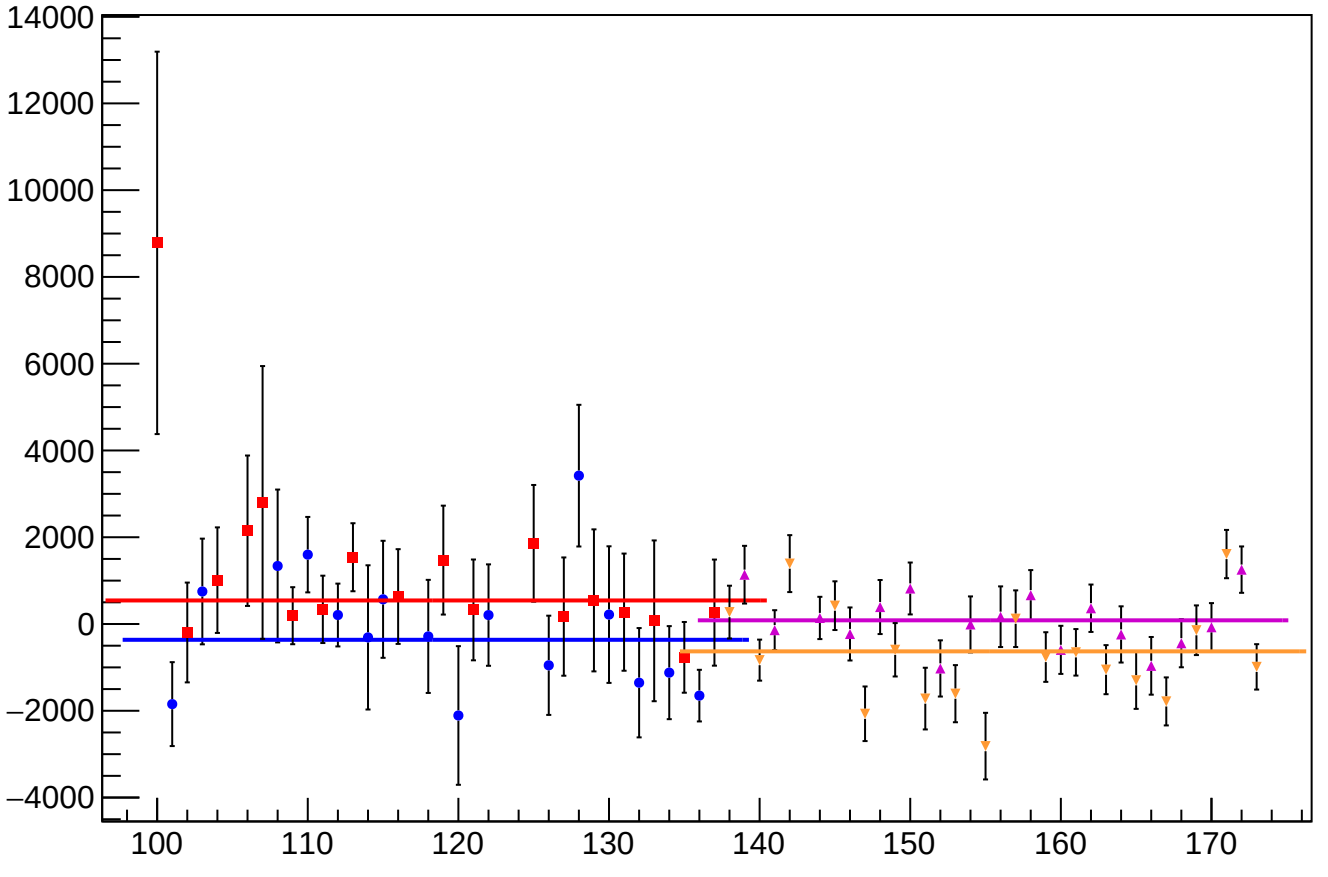
Left: 777.161+/-0.103 χ^2/NDF: 4041.6/34

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

In: 777.998+/-0.119 χ^2/NDF:14358.5/32

Out: 778.598+/-0.119 χ^2/NDF:9508.5/35

All: 778.300+/-0.084 χ^2/NDF: 23879.8/68



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

Left Out: -630.354+/-139.577 χ^2/NDF:58.0/17

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

Left In: 84.889+/-140.951 χ^2/NDF:19.0/16

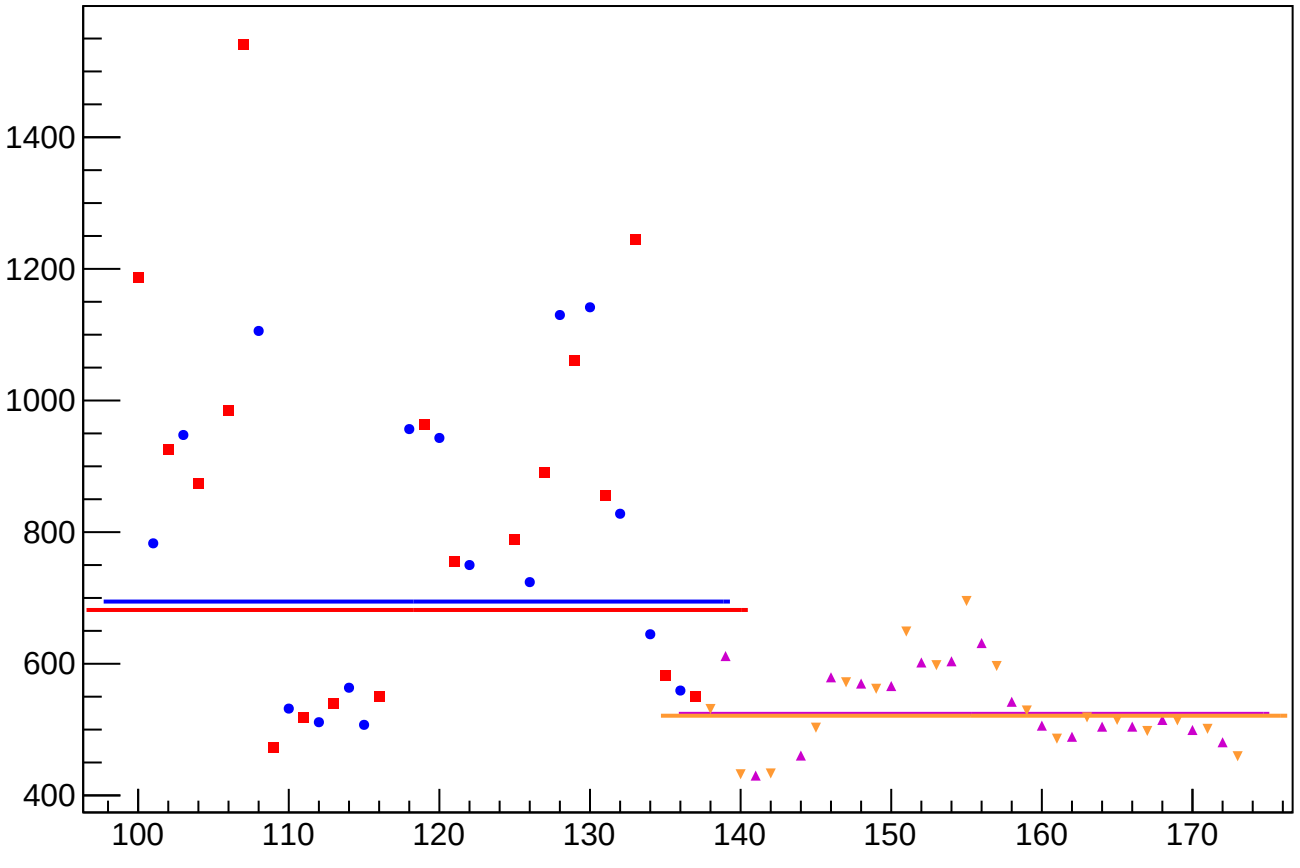
Left: -276.236+/-99.178 χ^2/NDF: 90.0/34

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

In: -11.625+/-124.882 χ^2/NDF:44.5/32

Out: -375.971+/-123.522 χ^2/NDF:85.1/35

All: -195.792+/-87.820 χ^2/NDF: 133.9/68



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

Left Out: 521.077+/-0.099 χ^2/NDF:396051.4/17

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

Left In: 523.910+/-0.100 χ^2/NDF:329836.2/16

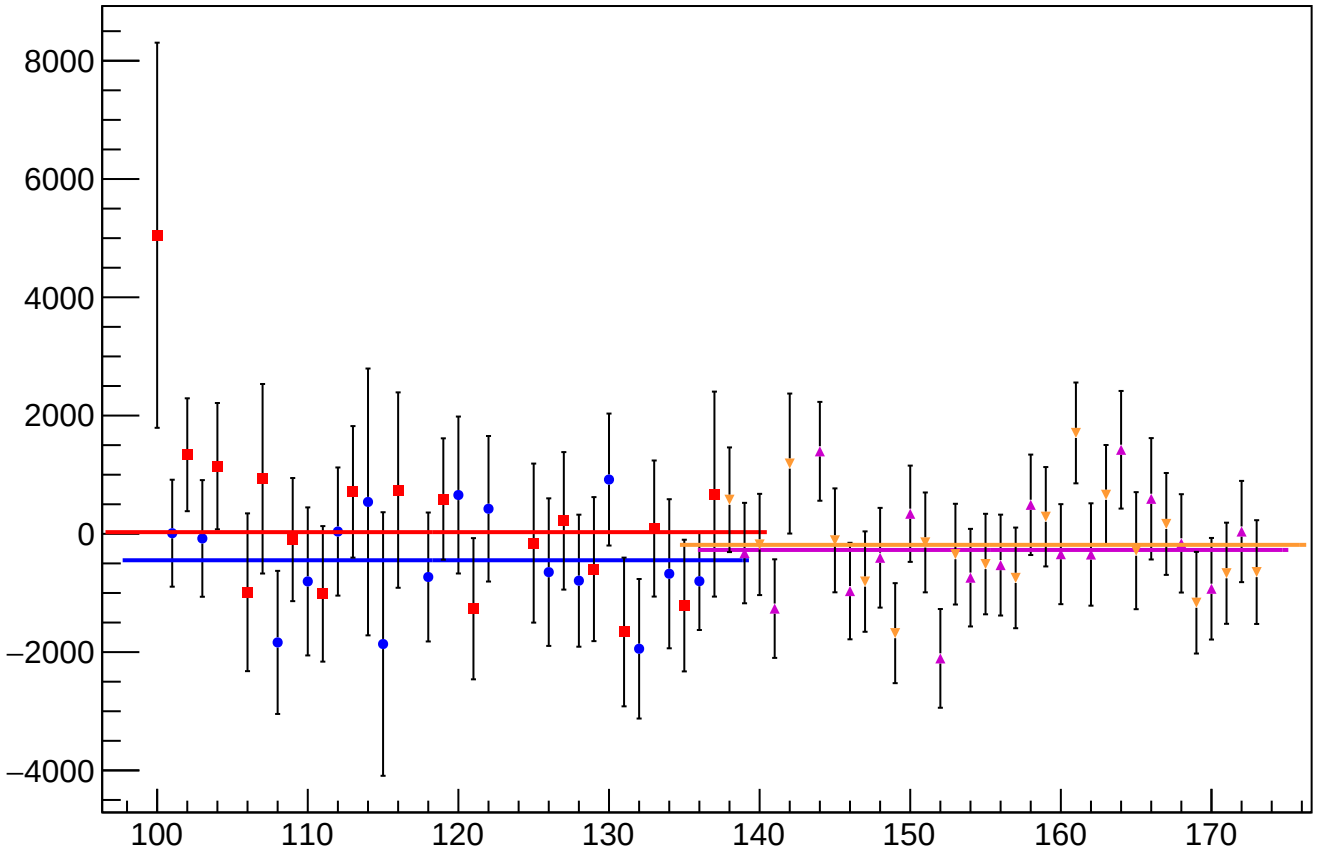
Left: 522.480+/-0.070 χ^2/NDF: 726295.3/34

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

In: 560.595+/-0.088 χ^2/NDF:1989790.1/32

Out: 555.913+/-0.087 χ^2/NDF:2281958.0/35

All: 558.228+/-0.062 χ^2/NDF: 4273168.7/68



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

Left Out: -186.159+/-205.955 χ^2/NDF:14.7/17

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

Left In: -272.407+/-207.613 χ^2/NDF:17.1/16

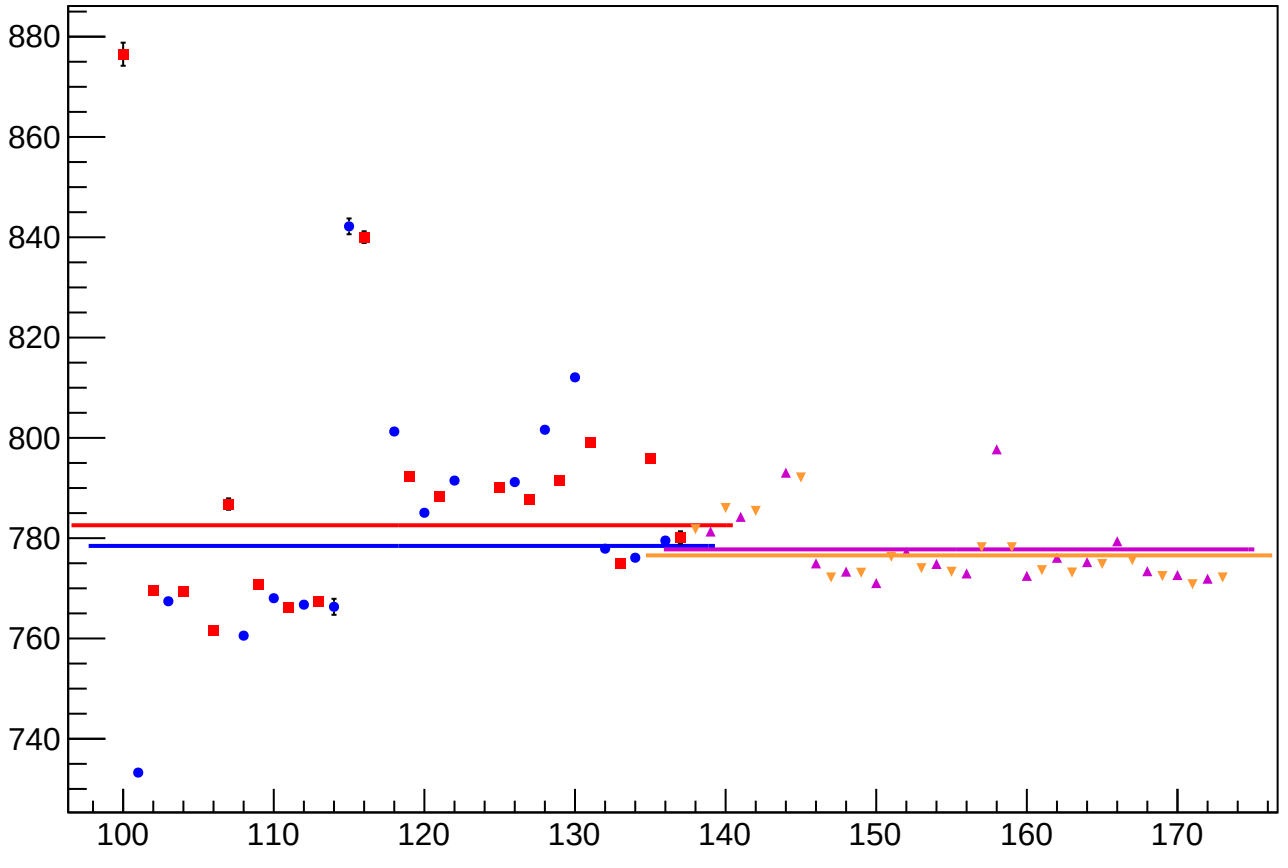
Left: -228.937+/-146.215 χ^2/NDF: 31.9/34

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

In: -331.658+/-168.661 χ^2/NDF:24.7/32

Out: -113.554+/-167.600 χ^2/NDF:27.7/35

All: -221.917+/-118.884 χ^2/NDF: 53.2/68



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

Left Out: 776.569+/-0.146 χ^2/NDF:1452.5/17

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

Left In: 777.762+/-0.147 χ^2/NDF:2555.7/16

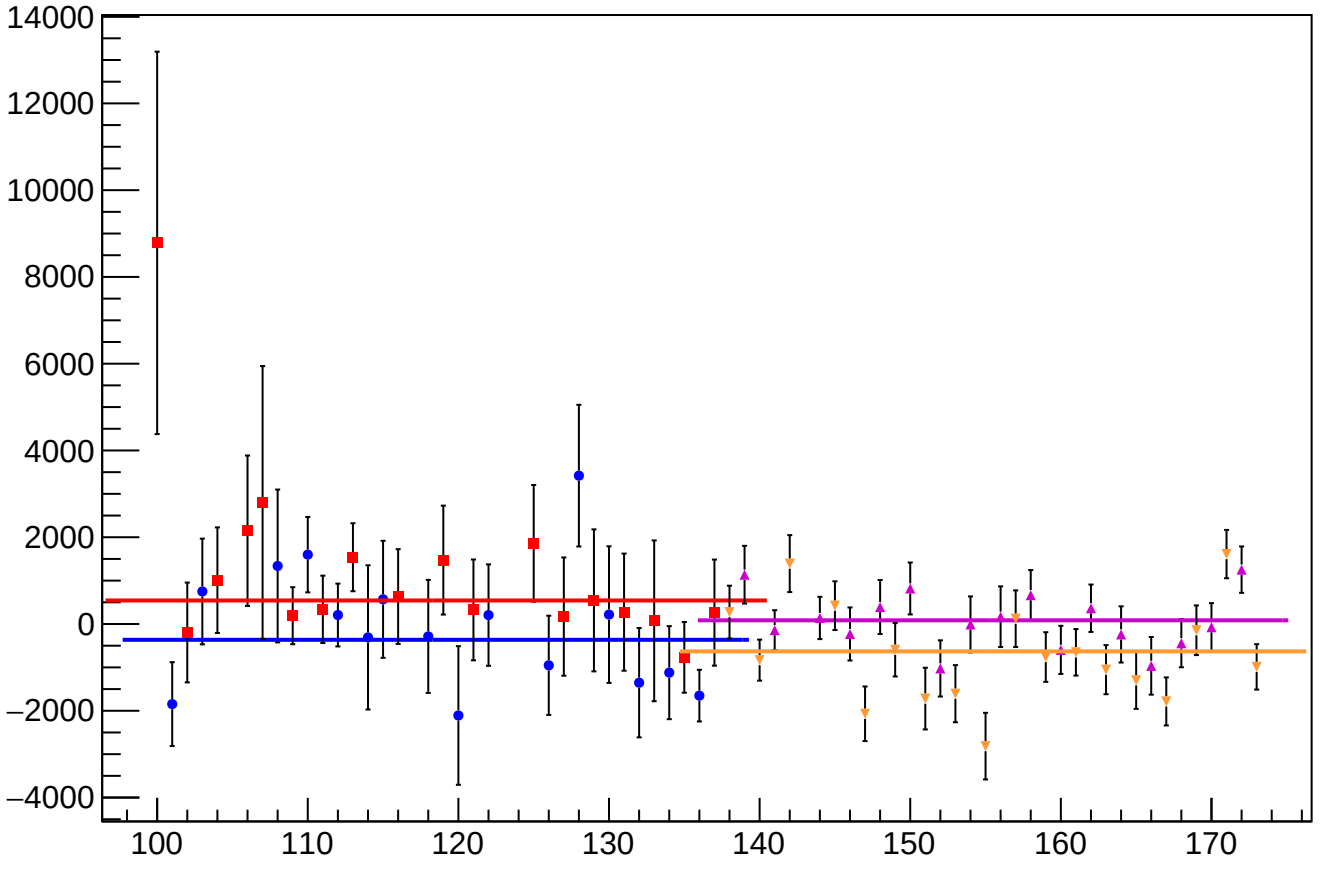
Left: 777.161+/-0.103 χ^2/NDF: 4041.6/34

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

In: 777.998+/-0.119 χ^2/NDF:14358.5/32

Out: 778.598+/-0.119 χ^2/NDF:9508.5/35

All: 778.300+/-0.084 χ^2/NDF: 23879.7/68



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

Left Out: -630.354+/-139.577 χ^2/NDF:58.0/17

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

Left In: 84.888+/-140.952 χ^2/NDF:19.0/16

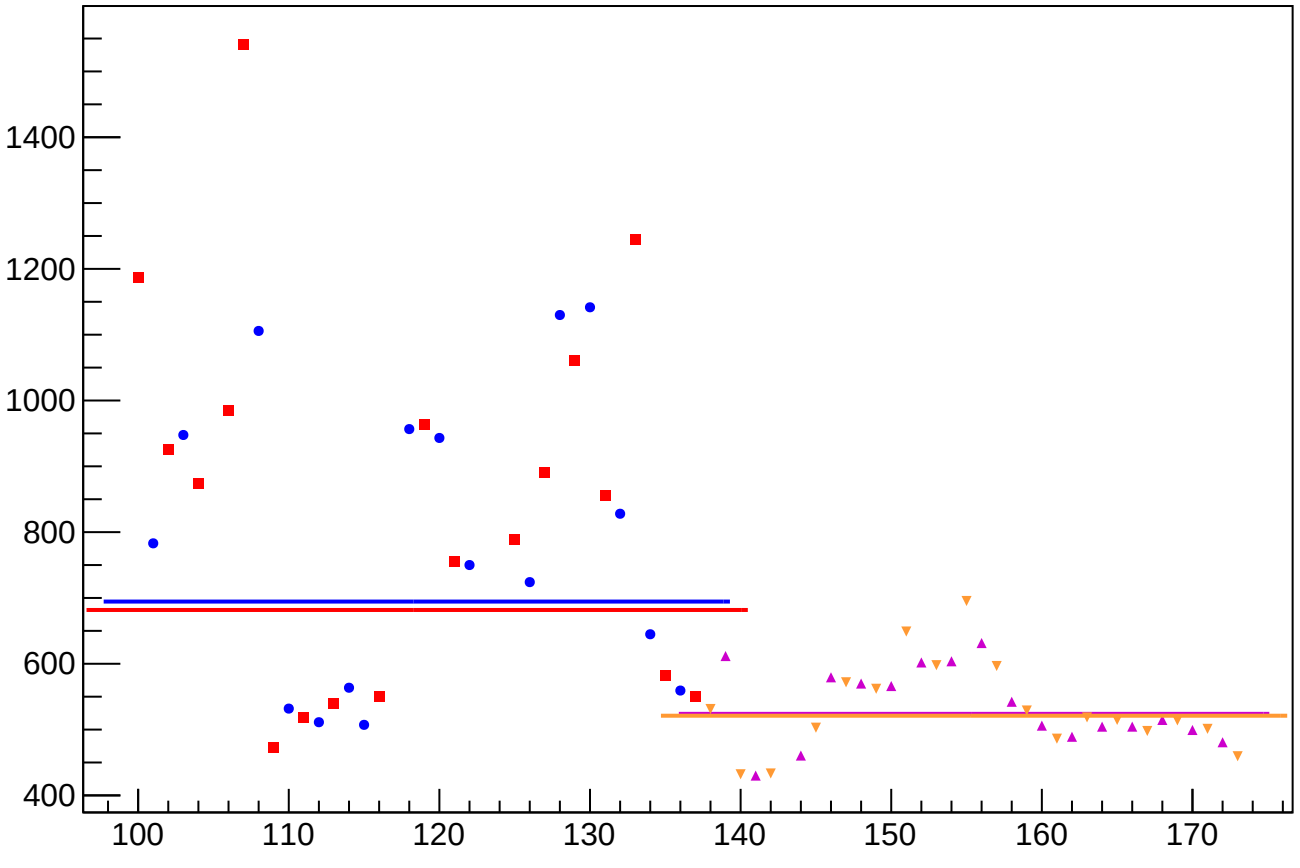
Left: -276.237+/-99.178 χ^2/NDF: 90.0/34

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

In: -11.626+/-124.882 χ^2/NDF:44.5/32

Out: -375.970+/-123.522 χ^2/NDF:85.1/35

All: -195.792+/-87.820 χ^2/NDF: 133.9/68



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

Left Out: 521.077+/-0.099 χ^2/NDF:396063.0/17

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

Left In: 523.910+/-0.100 χ^2/NDF:329848.2/16

Left: 522.480+/-0.070 χ^2/NDF: 726318.9/34

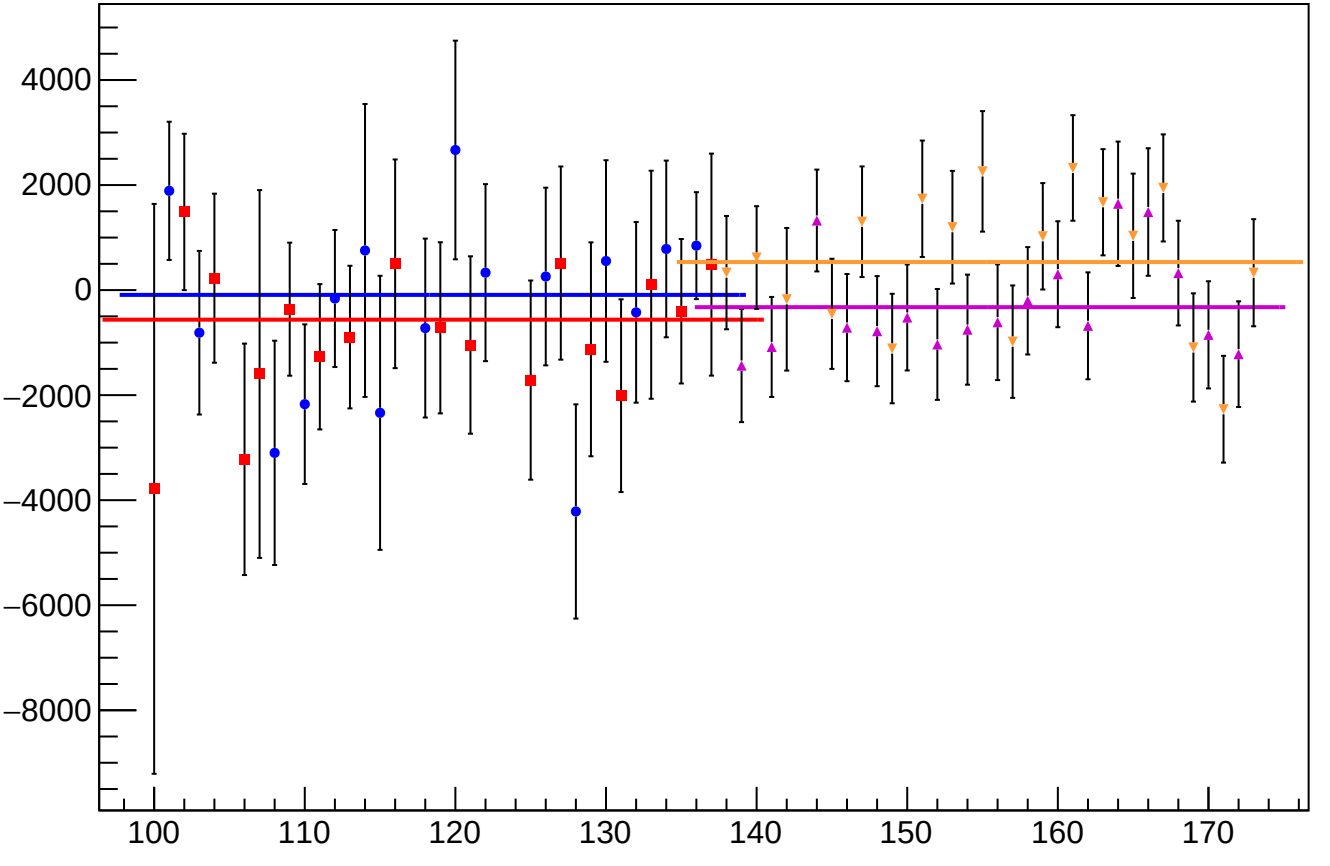
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

In: 560.594+/-0.088 χ^2/NDF:1989791.1/32

Out: 555.913+/-0.087 χ^2/NDF:2281968.8/35

All: 558.228+/-0.062 χ^2/NDF: 4273180.5/68

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 533.801+/-250.131 χ^2/NDF:27.0/17

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

Left In: -324.936+/-251.861 χ^2/NDF:12.7/16

Left: 107.393+/-177.478 χ^2/NDF: 45.5/34

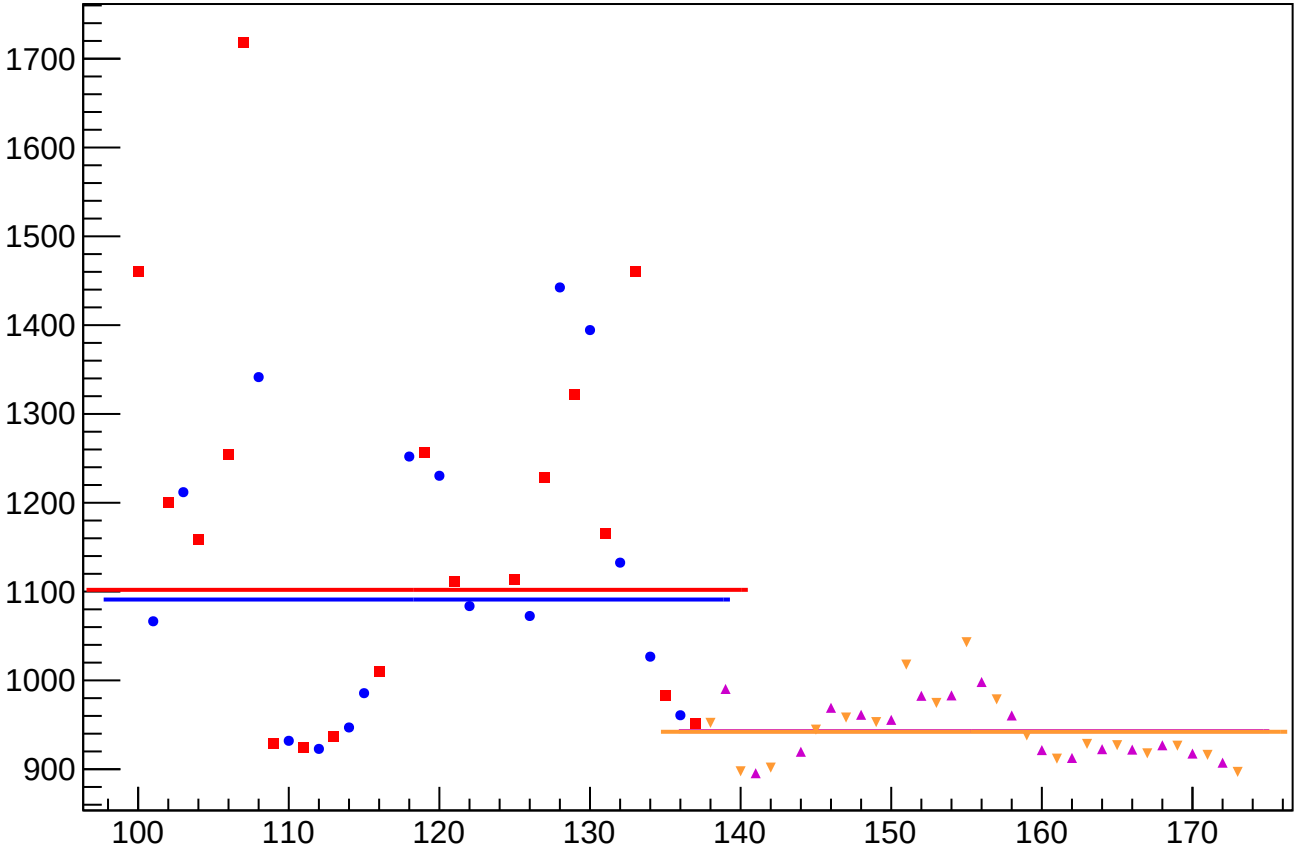
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -260.917+/-214.598 χ^2/NDF:27.4/32

Out: 237.876+/-213.750 χ^2/NDF:38.7/35

All: -10.534+/-151.443 χ^2/NDF: 68.8/68

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 942.140+/-0.177 χ^2/NDF:45067.3/17

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

Left In: 942.831+/-0.178 χ^2/NDF:31741.5/16

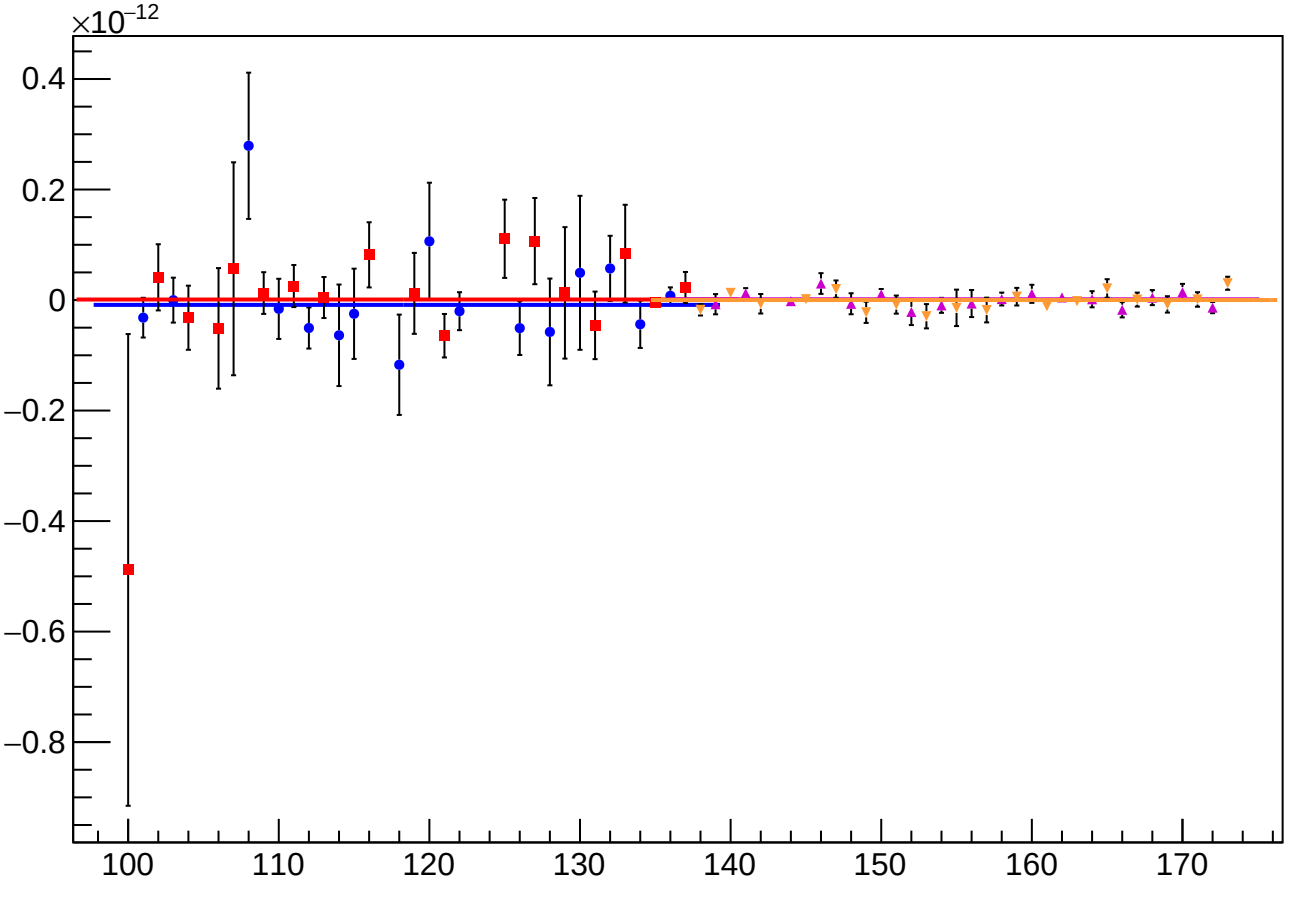
Left: 942.483+/-0.125 χ^2/NDF: 76816.4/34

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

In: 983.443+/-0.152 χ^2/NDF:498819.1/32

Out: 985.247+/-0.151 χ^2/NDF:593395.7/35

All: 984.349+/-0.107 χ^2/NDF: 1092285.8/68



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

Left Out: 0.000+/-0.000 χ^2/NDF:22.6/17

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

Left In: 0.000+/-0.000 χ^2/NDF:12.1/16

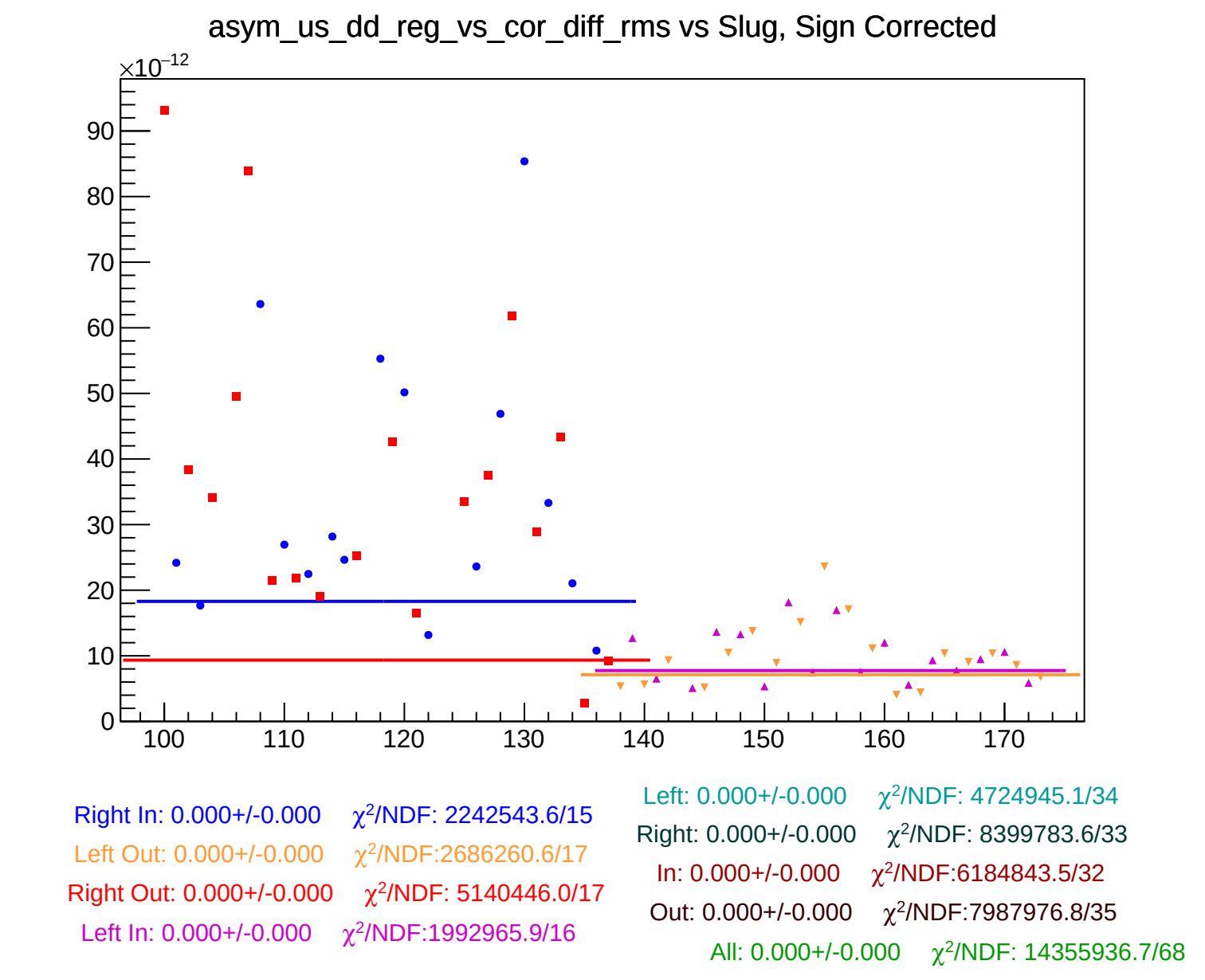
Left: 0.000+/-0.000 χ^2/NDF: 34.8/34

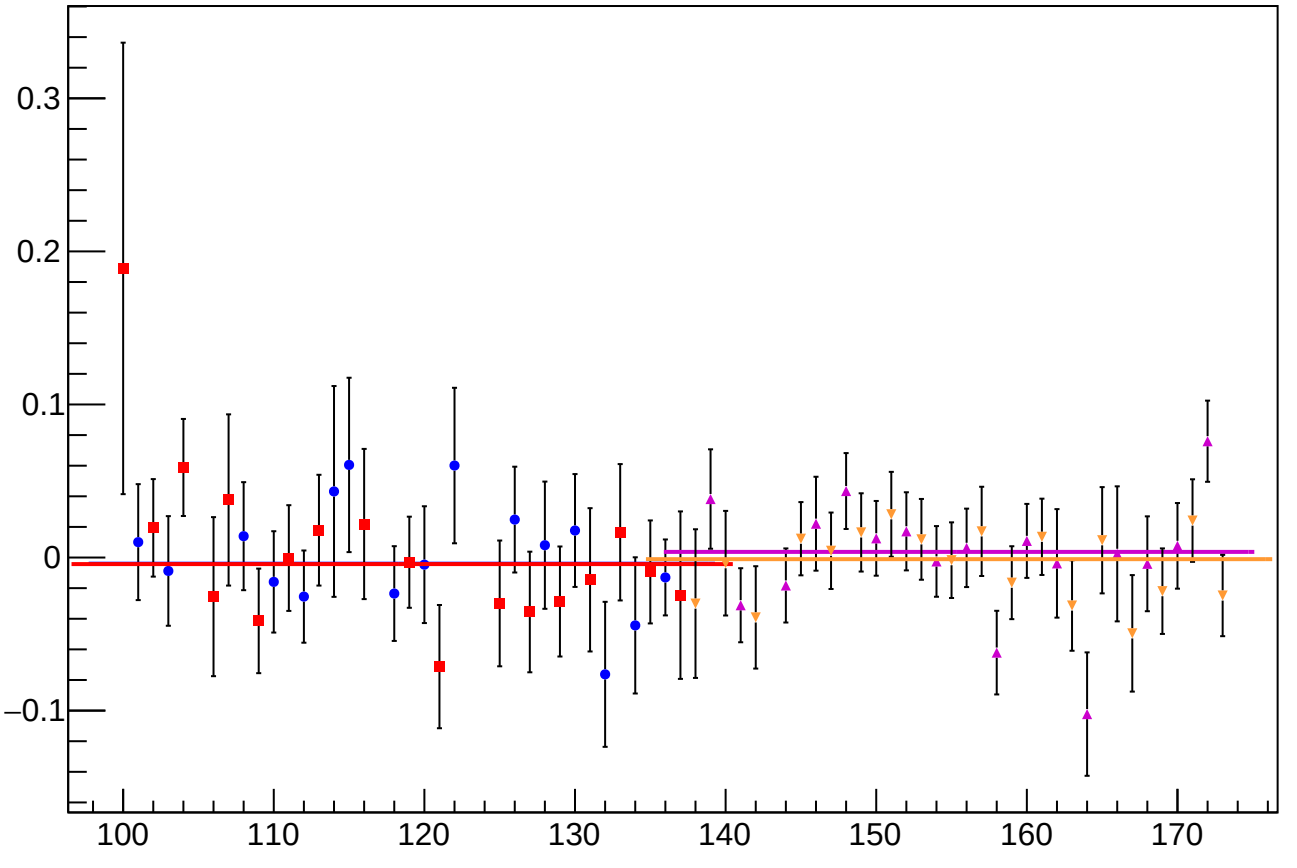
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: 0.000+/-0.000 χ^2/NDF:26.8/32

Out: 0.000+/-0.000 χ^2/NDF:36.9/35

All: 0.000+/-0.000 χ^2/NDF: 63.8/68


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
170
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2686260.6/17
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:1992965.9/16
Left: 0.000+/-0.000 χ²/NDF: 4724945.1/34
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:6184843.5/32
Out: 0.000+/-0.000 χ²/NDF:7987976.8/35
All: 0.000+/-0.000 χ²/NDF: 14355936.7/68



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

Left Out: -0.001+/-0.007 χ^2/NDF:10.0/17

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

Left In: 0.004+/-0.007 χ^2/NDF:27.8/16

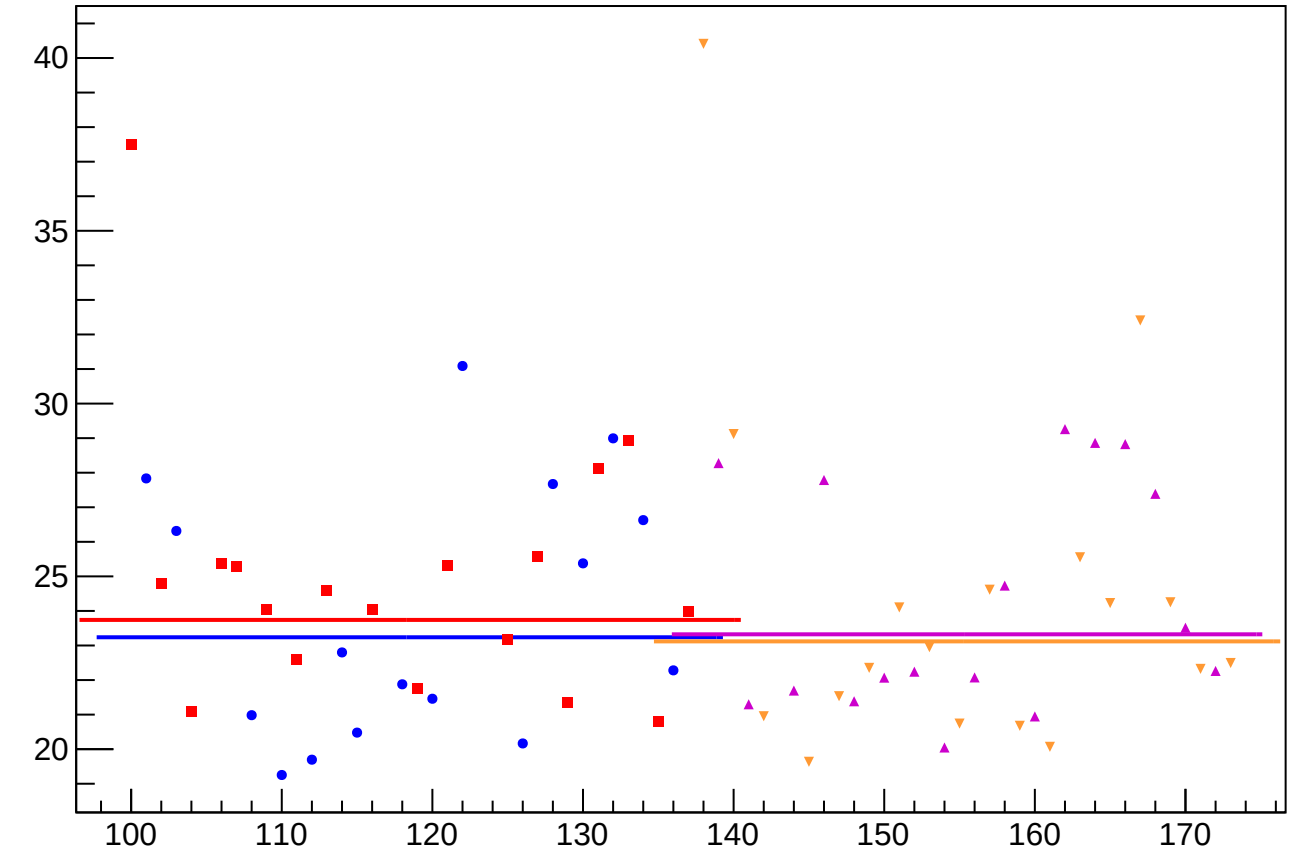
Left: 0.001+/-0.005 χ^2/NDF: 38.1/34

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

In: 0.001+/-0.005 χ^2/NDF:37.5/32

Out: -0.002+/-0.005 χ^2/NDF:23.6/35

All: -0.001+/-0.004 χ^2/NDF: 61.2/68



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

Left Out: 23.119+/-0.005 χ^2/NDF:594121.7/17

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

Left In: 23.324+/-0.005 χ^2/NDF:365424.8/16

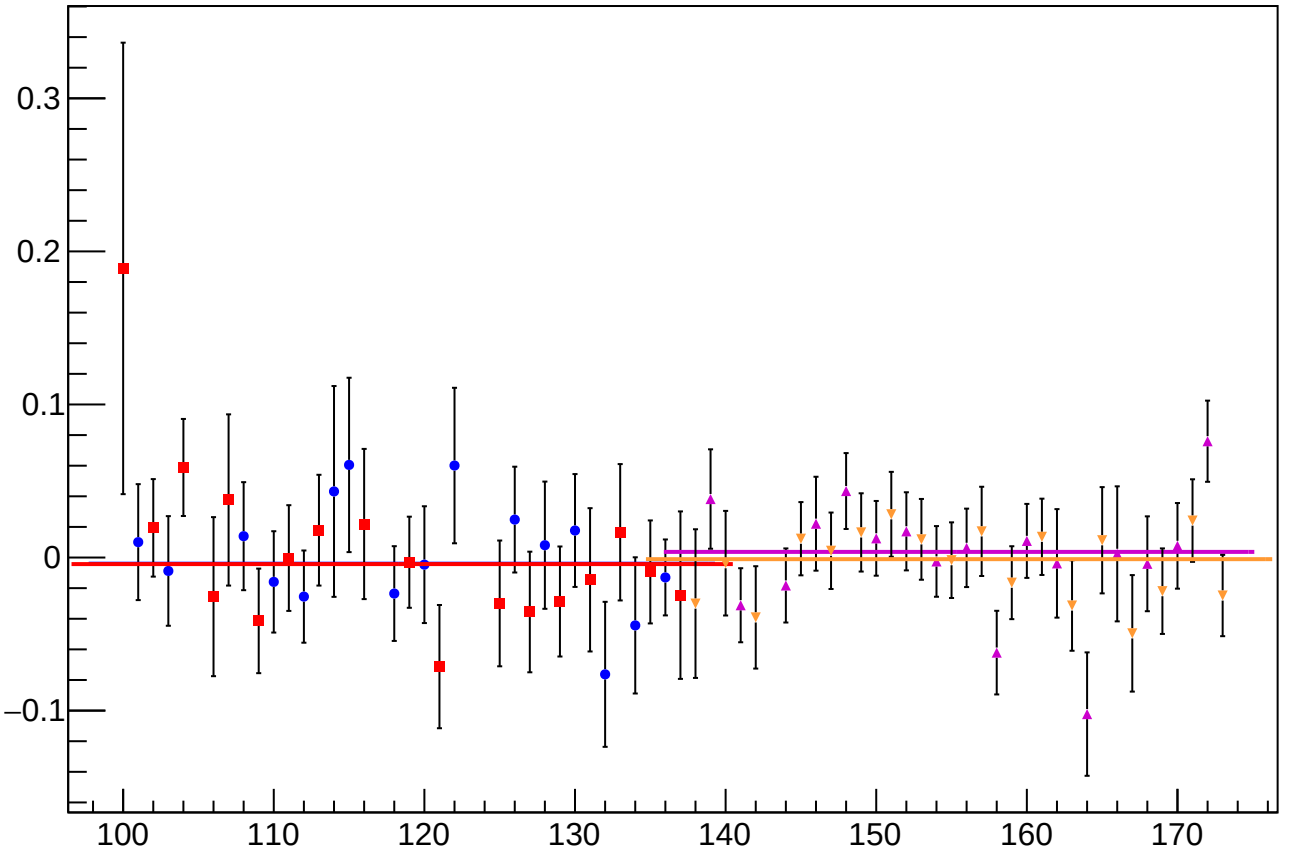
Left: 23.221+/-0.003 χ^2/NDF: 960489.5/34

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

In: 23.294+/-0.004 χ^2/NDF:624772.8/32

Out: 23.328+/-0.004 χ^2/NDF:726204.6/35

All: 23.311+/-0.003 χ^2/NDF: 1351016.7/68



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

Left Out: -0.001+/-0.007 χ^2/NDF:10.0/17

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

Left In: 0.004+/-0.007 χ^2/NDF:27.8/16

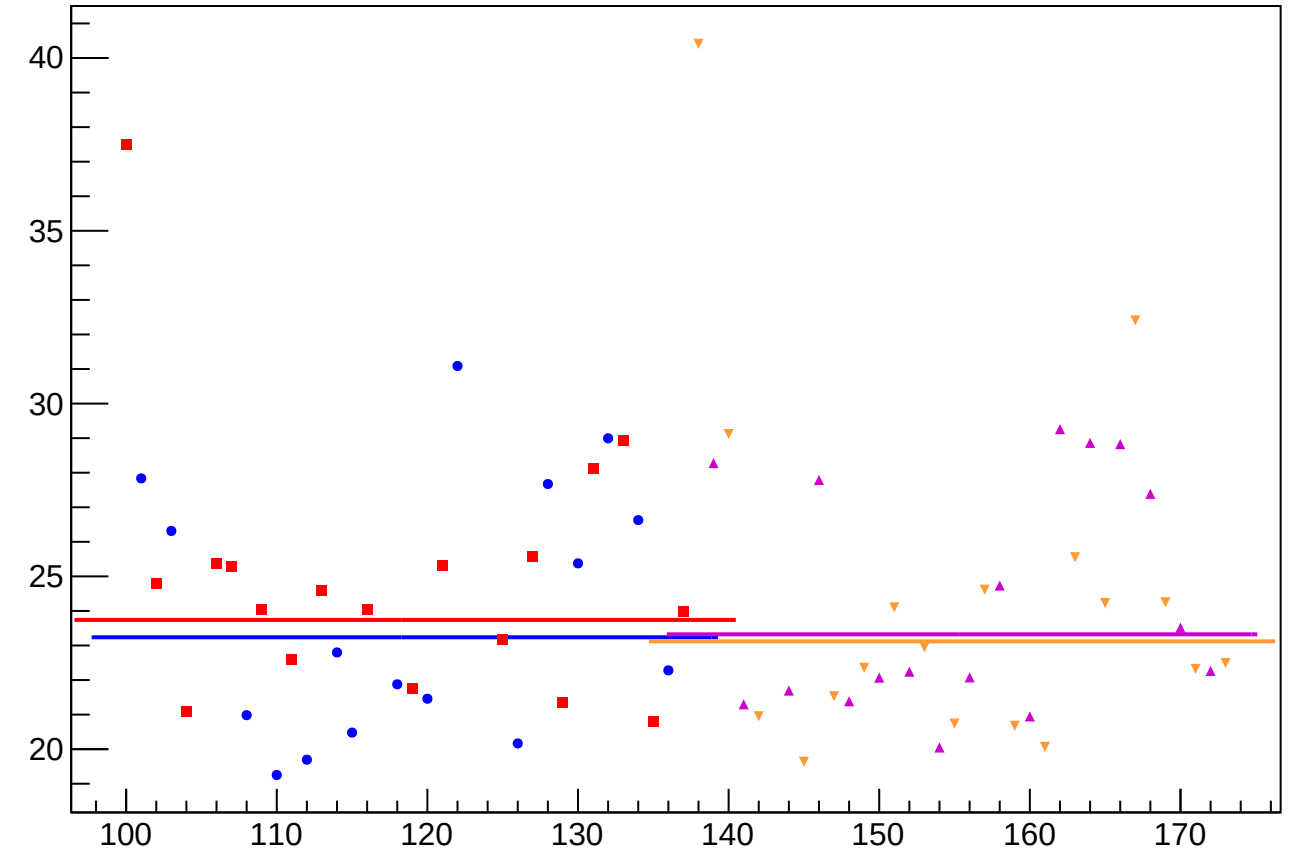
Left: 0.001+/-0.005 χ^2/NDF: 38.1/34

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

In: 0.001+/-0.005 χ^2/NDF:37.5/32

Out: -0.002+/-0.005 χ^2/NDF:23.6/35

All: -0.001+/-0.004 χ^2/NDF: 61.2/68



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

Left Out: 23.119+/-0.005 χ^2/NDF:594121.7/17

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

Left In: 23.324+/-0.005 χ^2/NDF:365424.8/16

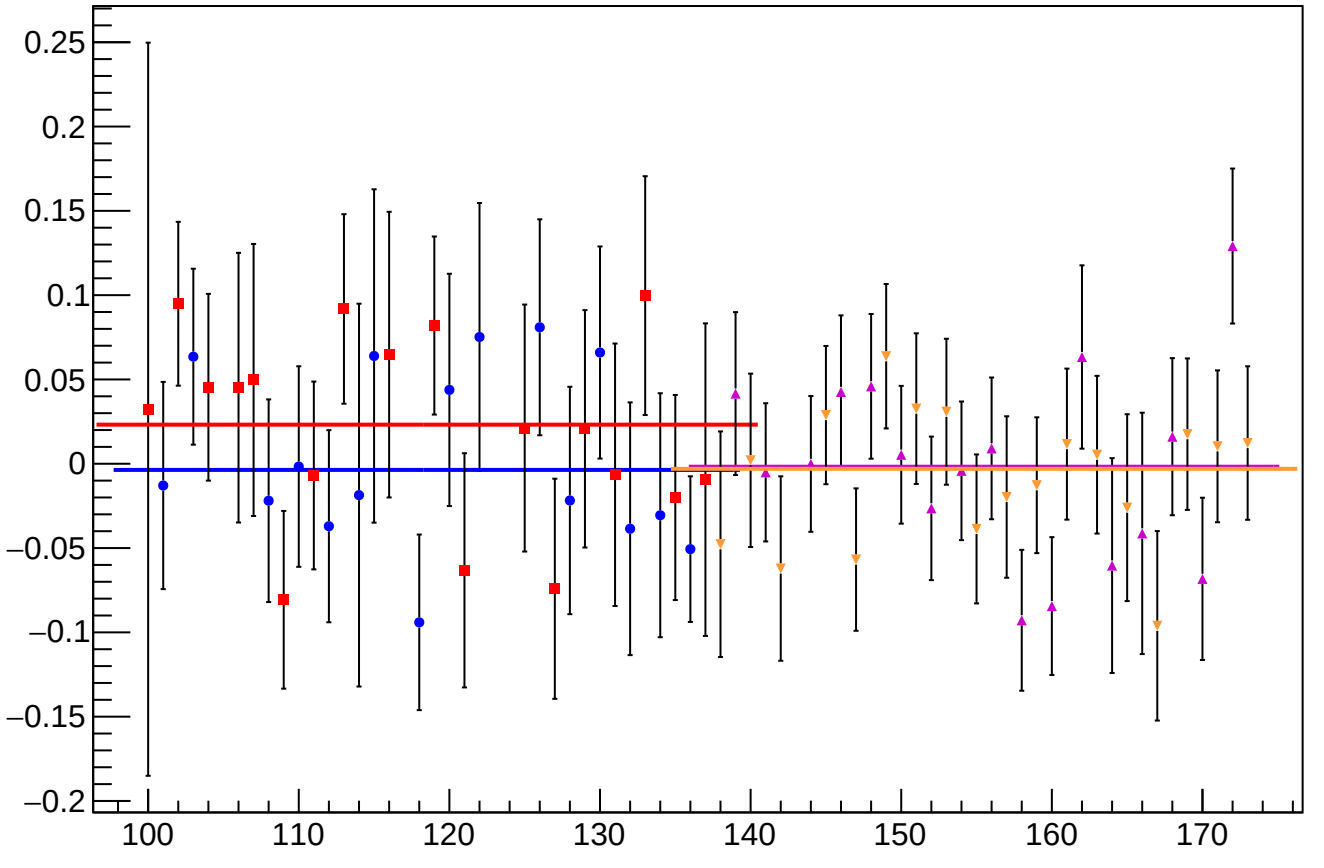
Left: 23.221+/-0.003 χ^2/NDF: 960489.5/34

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

In: 23.294+/-0.004 χ^2/NDF:624772.8/32

Out: 23.328+/-0.004 χ^2/NDF:726204.6/35

All: 23.311+/-0.003 χ^2/NDF: 1351016.7/68



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

Left Out: -0.003+/-0.011 χ^2/NDF:11.8/17

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

Left In: -0.002+/-0.011 χ^2/NDF:25.0/16

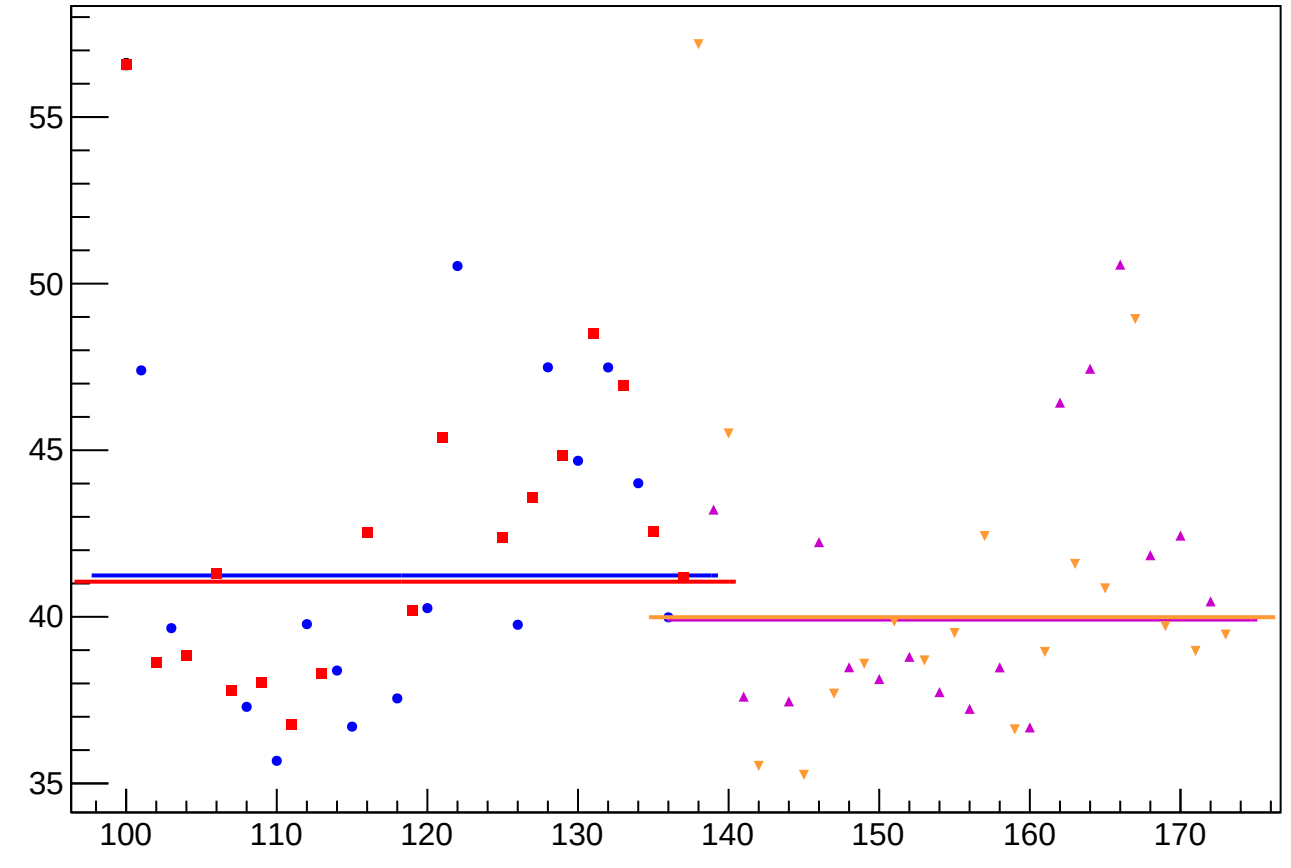
Left: -0.002+/-0.008 χ^2/NDF: 36.9/34

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.002+/-0.009 χ^2/NDF:36.7/32

Out: 0.006+/-0.009 χ^2/NDF:29.1/35

All: 0.002+/-0.006 χ^2/NDF: 66.2/68



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

Left Out: 39.988+/-0.008 χ^2/NDF:280250.6/17

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

Left In: 39.918+/-0.008 χ^2/NDF:174565.5/16

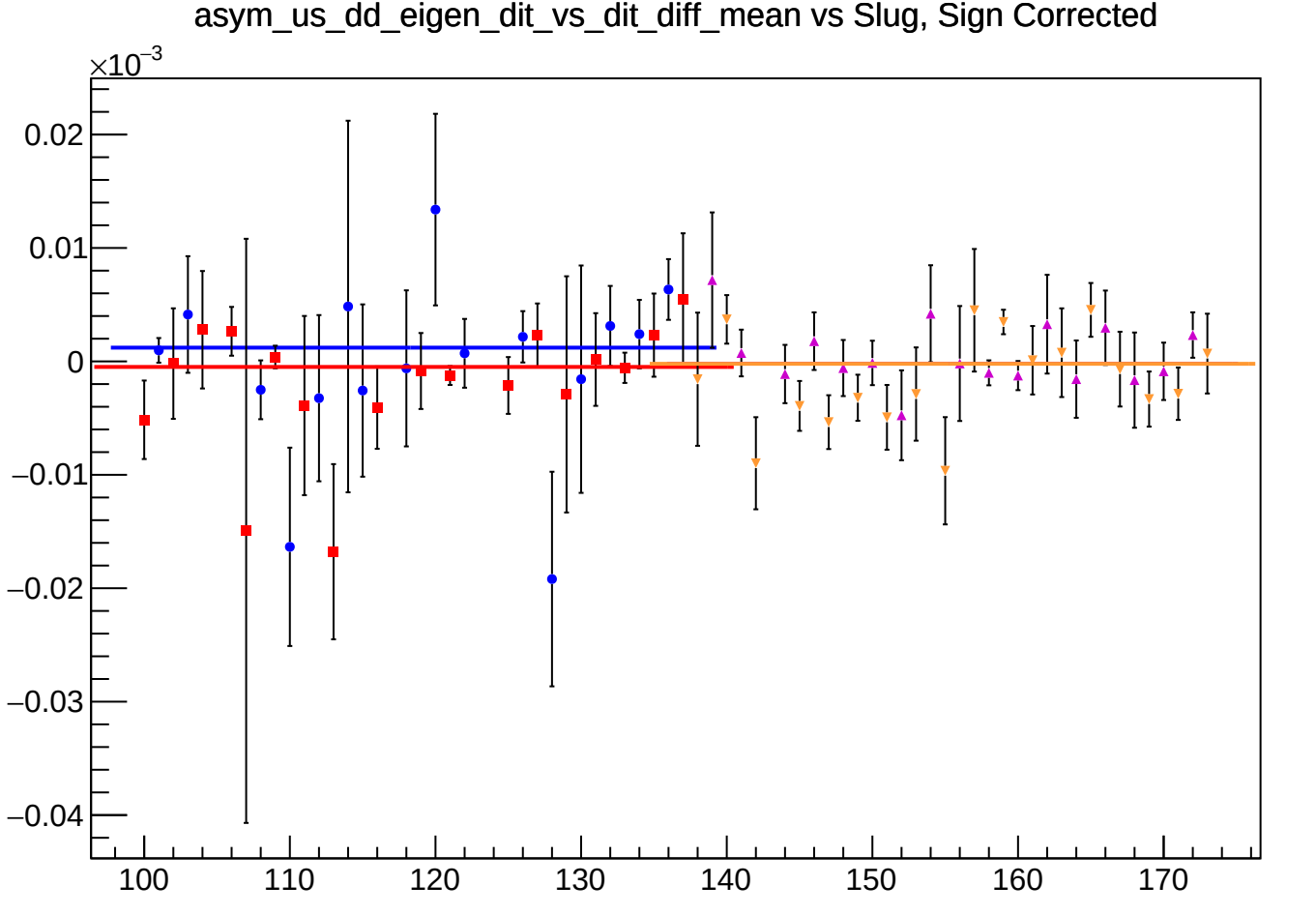
Left: 39.953+/-0.005 χ^2/NDF: 454857.5/34

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

In: 40.351+/-0.006 χ^2/NDF:319369.2/32

Out: 40.344+/-0.006 χ^2/NDF:383115.6/35

All: 40.348+/-0.004 χ^2/NDF: 702485.5/68



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

Left Out: -0.000+/-0.000 χ^2/NDF:44.5/17

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

Left In: -0.000+/-0.000 χ^2/NDF:9.6/16

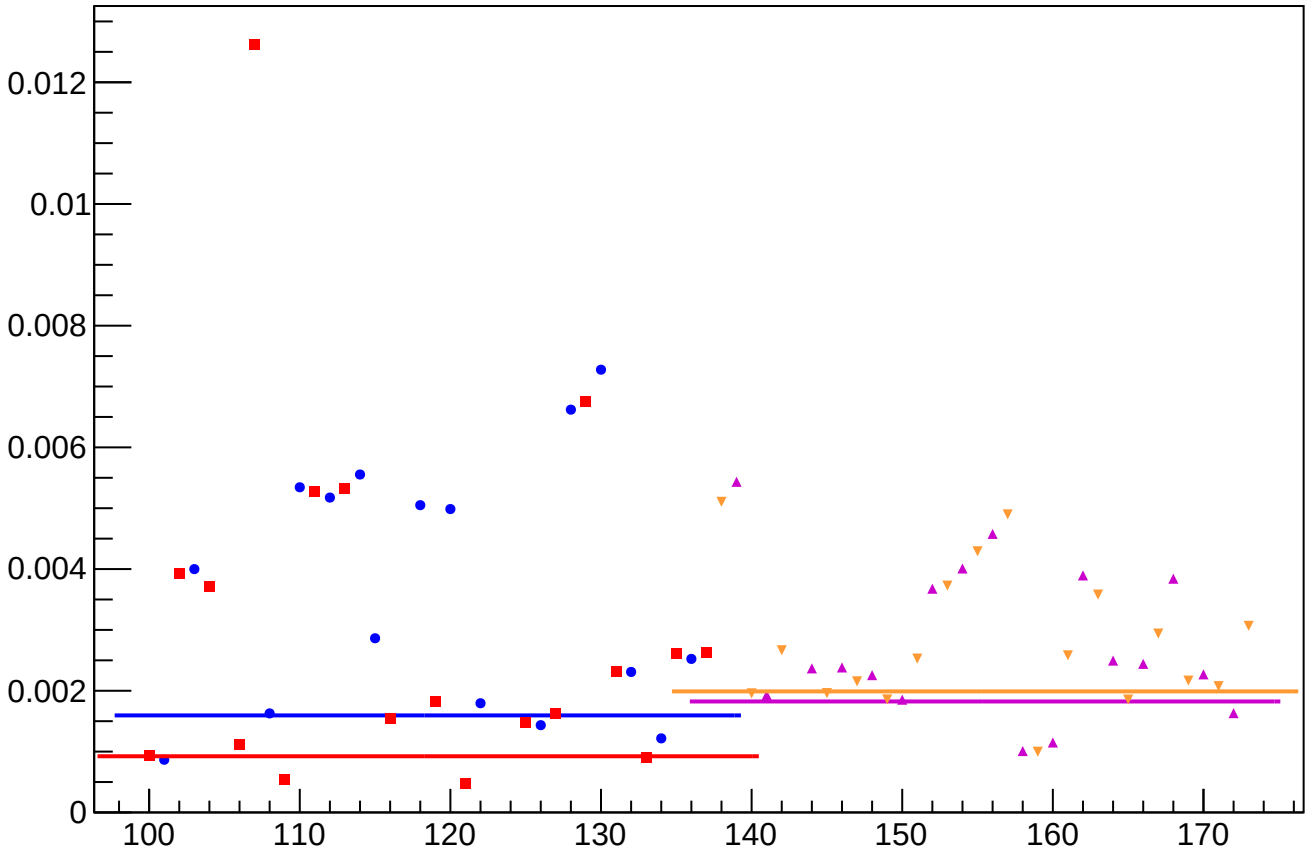
Left: -0.000+/-0.000 χ^2/NDF: 54.1/34

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:30.2/32

Out: -0.000+/-0.000 χ^2/NDF:59.6/35

All: -0.000+/-0.000 χ^2/NDF: 91.1/68



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

Left Out: 0.002+/-0.000 χ^2/NDF:4593249.9/17

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

Left In: 0.002+/-0.000 χ^2/NDF:5325641.3/16

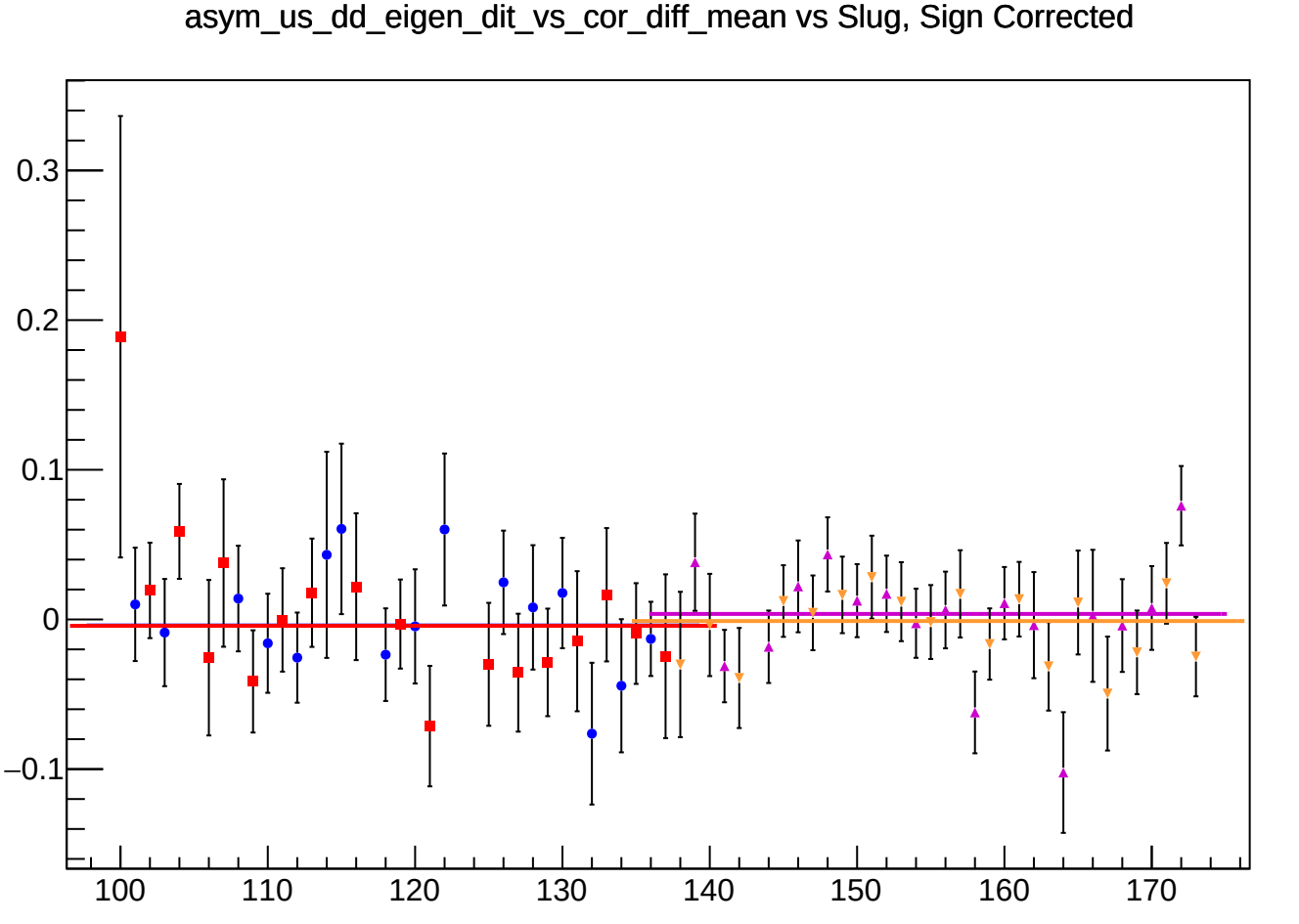
Left: 0.002+/-0.000 χ^2/NDF: 10003841.0/34

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

In: 0.002+/-0.000 χ^2/NDF:10208643.5/32

Out: 0.001+/-0.000 χ^2/NDF:14242594.8/35

All: 0.002+/-0.000 χ^2/NDF: 25260383.0/68



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

Left Out: -0.001+/-0.007 χ^2/NDF:10.0/17

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

Left In: 0.004+/-0.007 χ^2/NDF:27.8/16

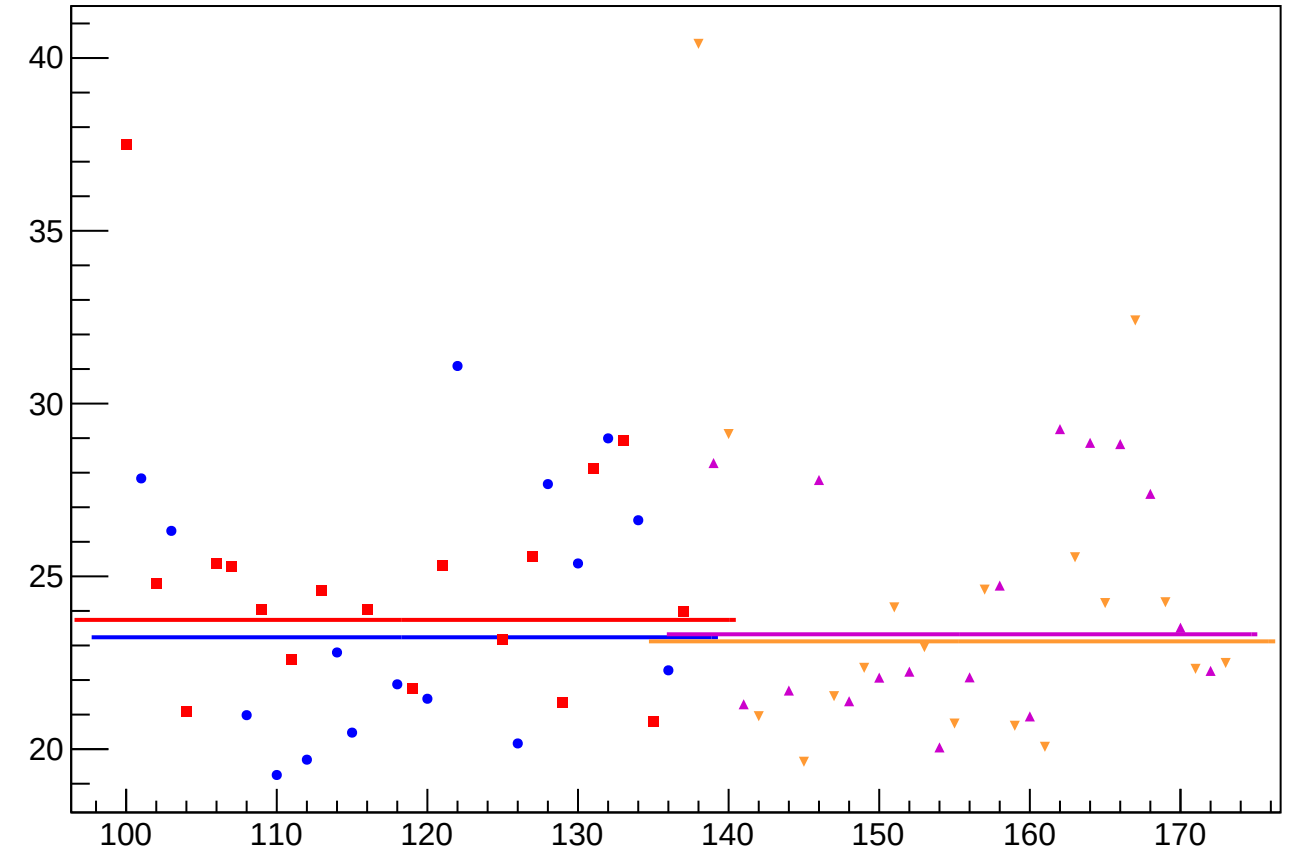
Left: 0.001+/-0.005 χ^2/NDF: 38.1/34

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

In: 0.001+/-0.005 χ^2/NDF:37.5/32

Out: -0.002+/-0.005 χ^2/NDF:23.6/35

All: -0.001+/-0.004 χ^2/NDF: 61.2/68



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

Left Out: 23.119+/-0.005 χ^2/NDF:594143.4/17

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

Left In: 23.324+/-0.005 χ^2/NDF:365373.6/16

Left: 23.221+/-0.003 χ^2/NDF: 960462.3/34

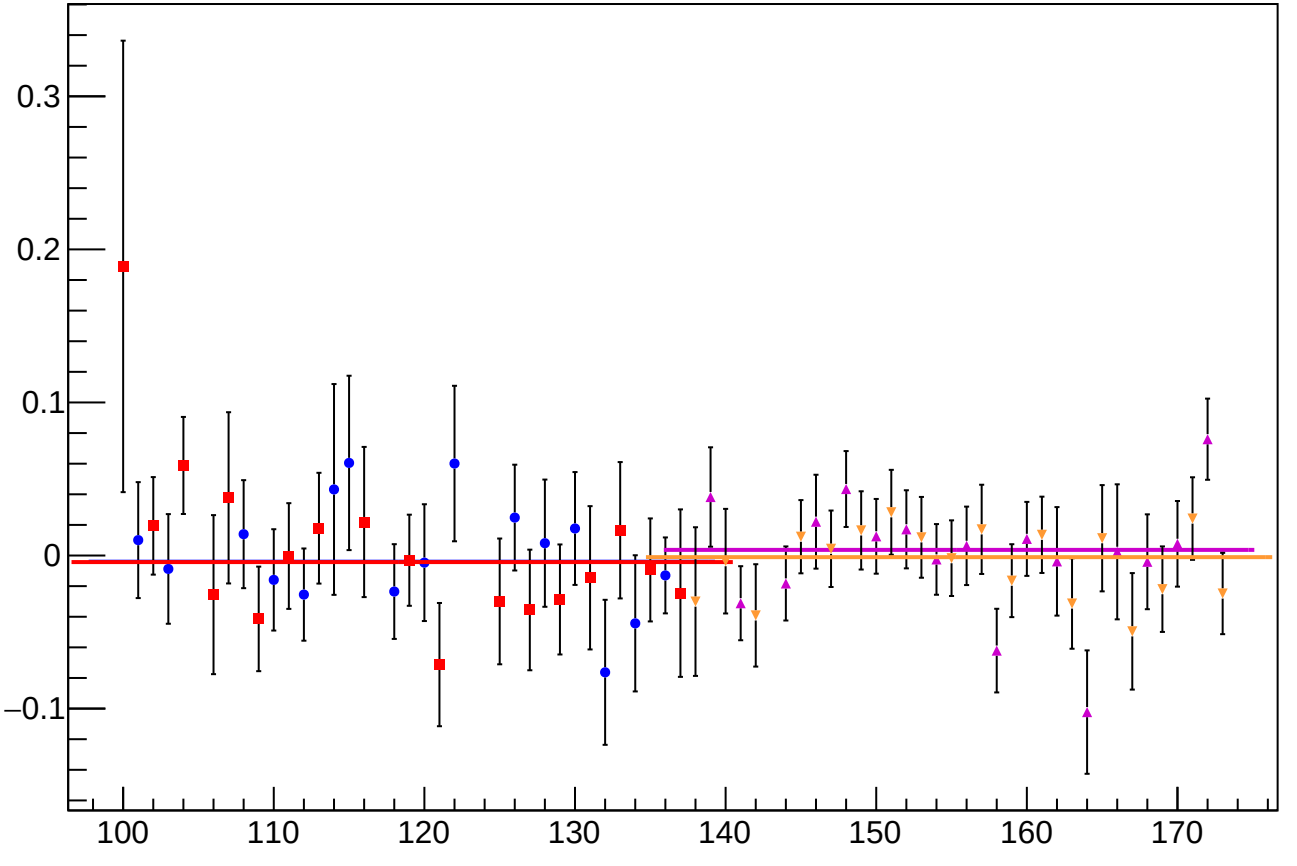
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 23.294+/-0.004 χ^2/NDF:624712.9/32

Out: 23.328+/-0.004 χ^2/NDF:726178.9/35

All: 23.311+/-0.003 χ^2/NDF: 1350931.4/68

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.001+/-0.007 χ^2/NDF:10.0/17

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

Left In: 0.004+/-0.007 χ^2/NDF:27.8/16

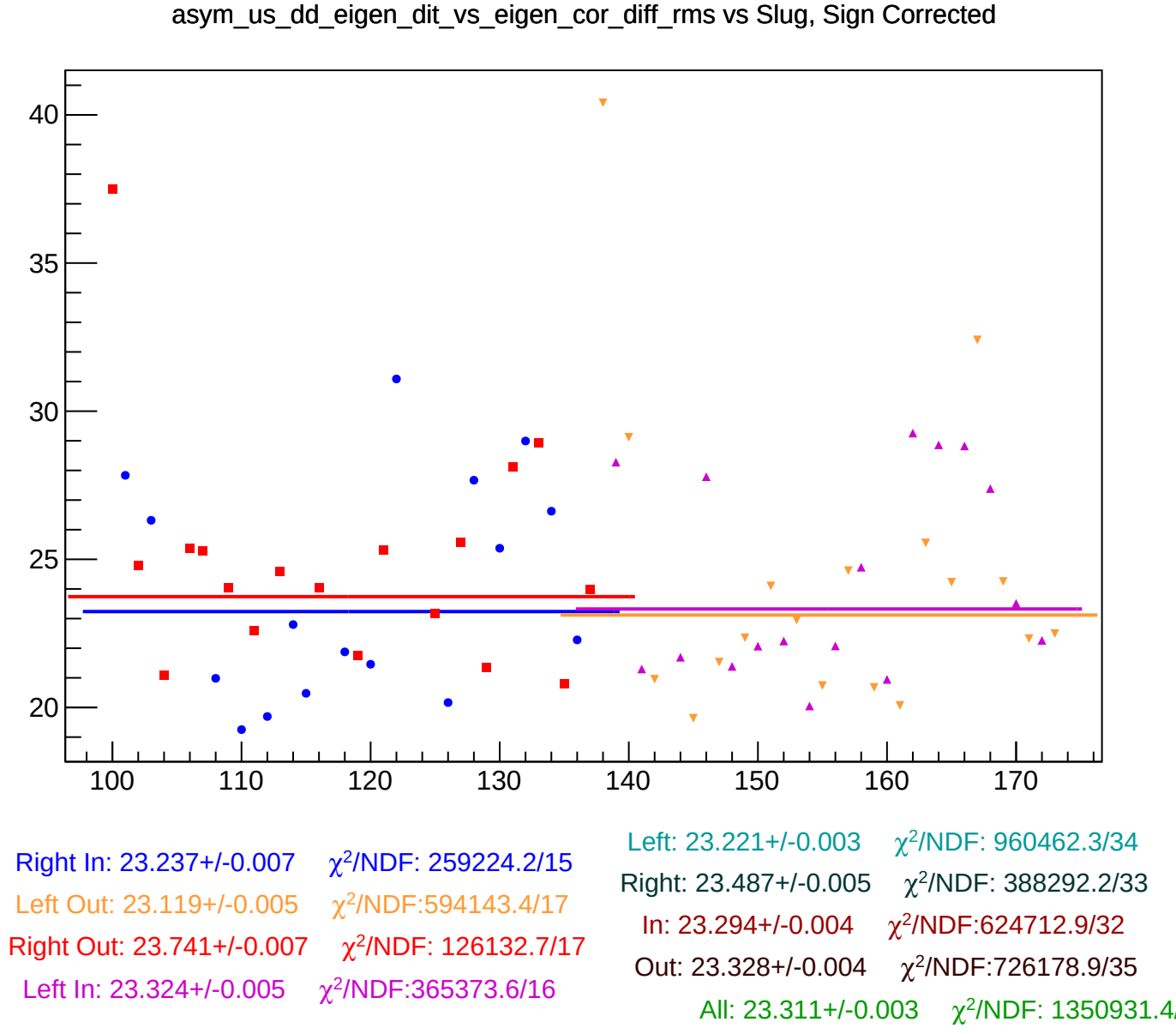
Left: 0.001+/-0.005 χ^2/NDF: 38.1/34

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

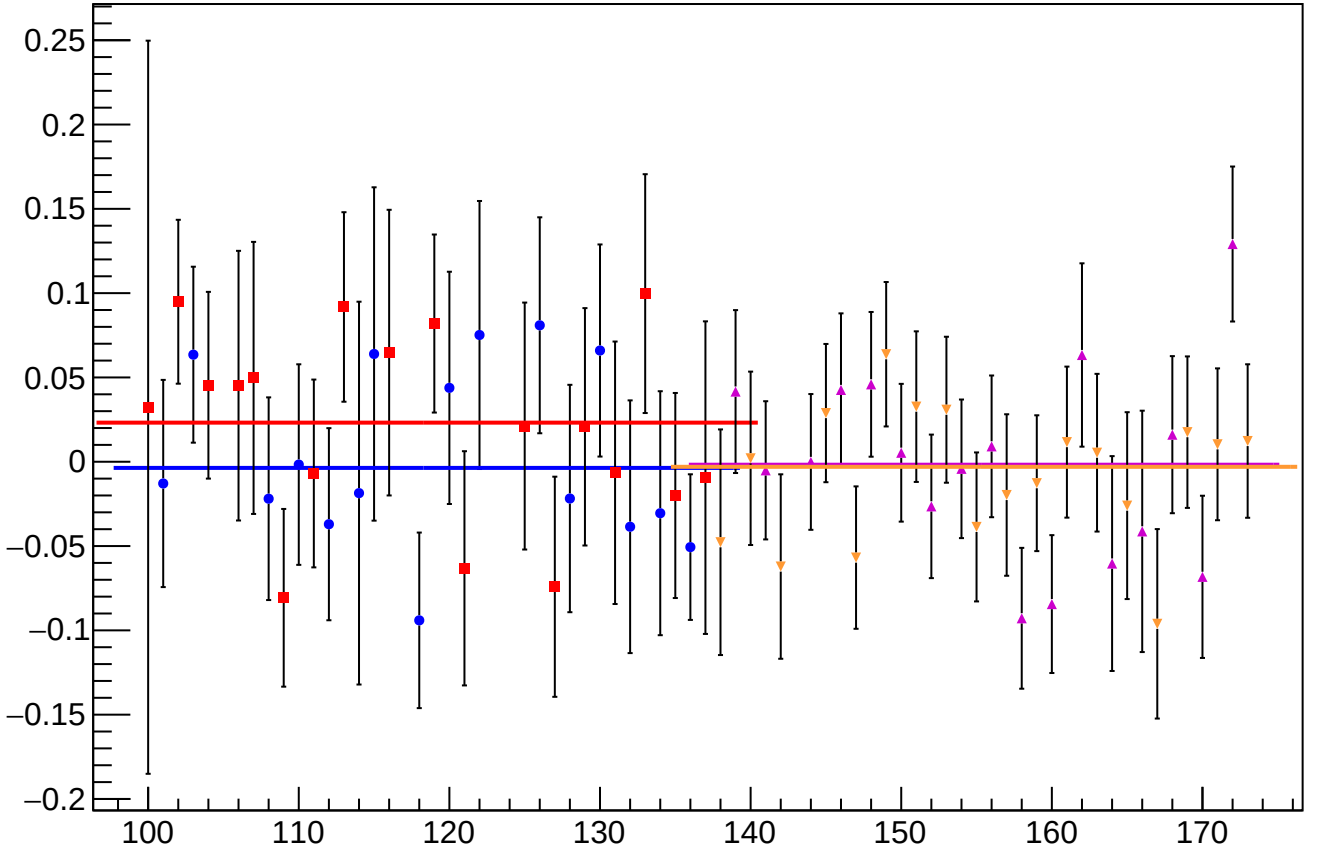
In: 0.001+/-0.005 χ^2/NDF:37.5/32

Out: -0.002+/-0.005 χ^2/NDF:23.6/35

All: -0.001+/-0.004 χ^2/NDF: 61.2/68


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
40
35
30
25
20
100
110
120
130
140
150
160
170
Right In: 23.237+/-0.007 χ²/NDF: 259224.2/15
Left Out: 23.119+/-0.005 χ²/NDF:594143.4/17
Right Out: 23.741+/-0.007 χ²/NDF: 126132.7/17
Left In: 23.324+/-0.005 χ²/NDF:365373.6/16
Left: 23.221+/-0.003 χ²/NDF: 960462.3/34
Right: 23.487+/-0.005 χ²/NDF: 388292.2/33
In: 23.294+/-0.004 χ²/NDF:624712.9/32
Out: 23.328+/-0.004 χ²/NDF:726178.9/35
All: 23.311+/-0.003 χ²/NDF: 1350931.4/68

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: -0.003+/-0.011 χ^2/NDF:11.8/17

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

Left In: -0.002+/-0.011 χ^2/NDF:25.0/16

Left: -0.002+/-0.008 χ^2/NDF: 36.9/34

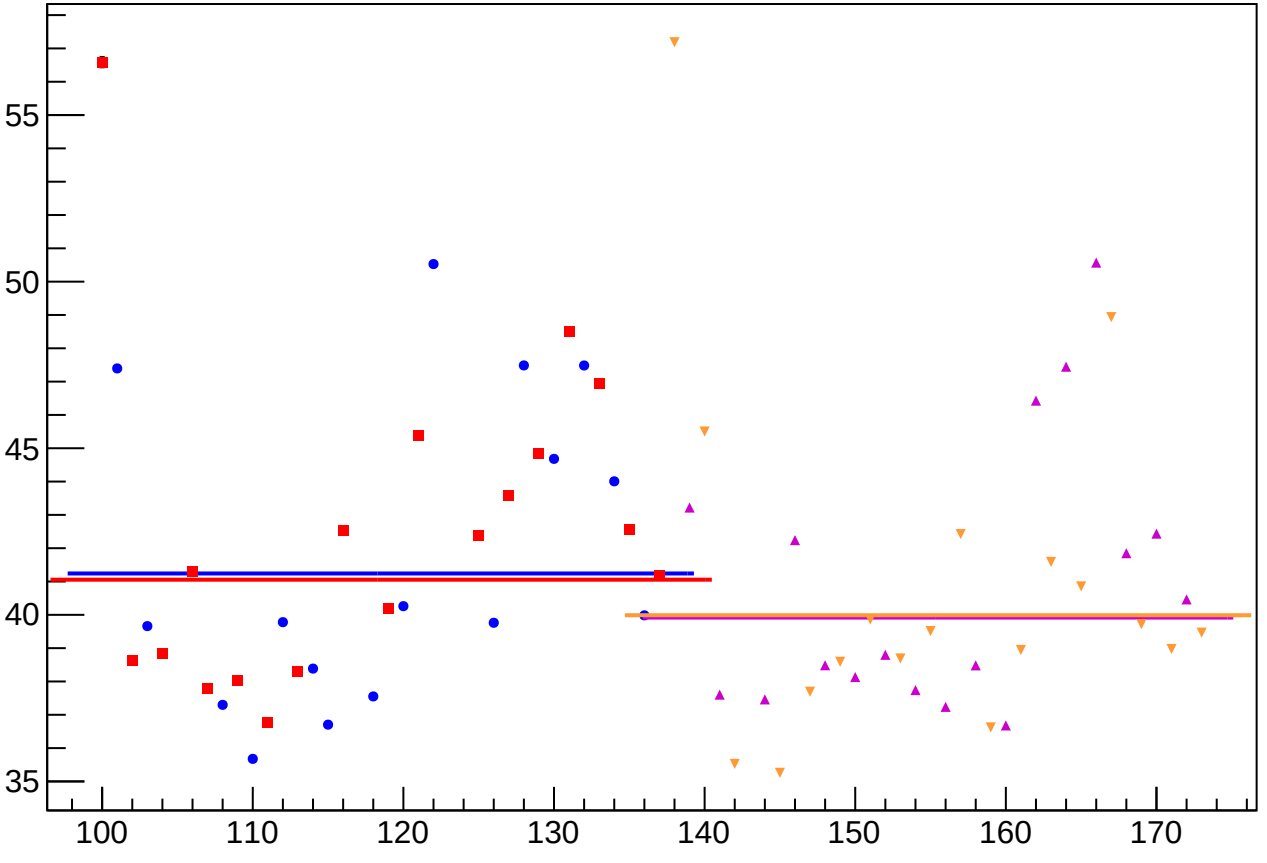
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.002+/-0.009 χ^2/NDF:36.7/32

Out: 0.006+/-0.009 χ^2/NDF:29.1/35

All: 0.002+/-0.006 χ^2/NDF: 66.2/68

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: 39.988+/-0.008 χ^2/NDF:280254.4/17

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

Left In: 39.918+/-0.008 χ^2/NDF:174572.6/16

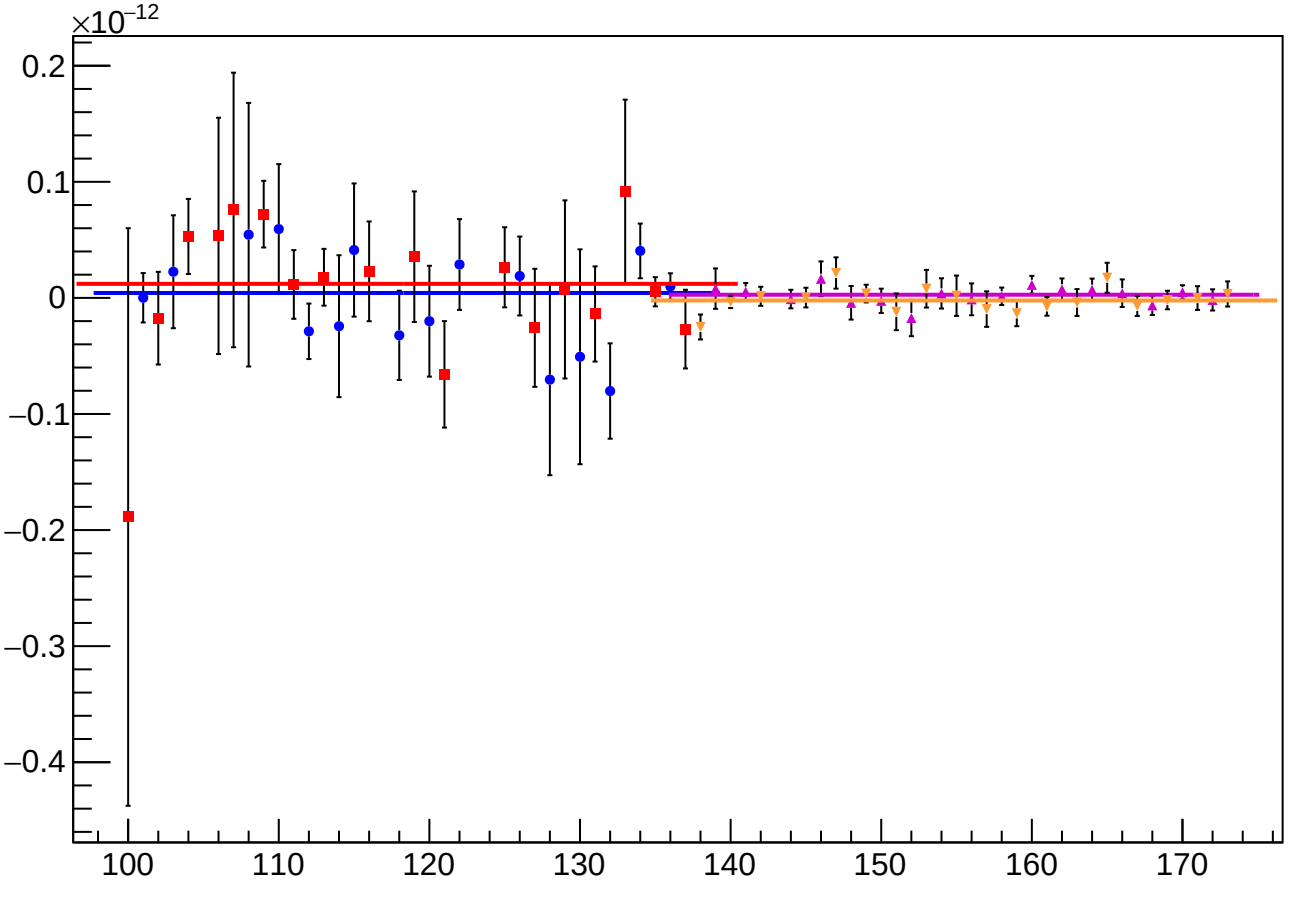
Left: 39.953+/-0.005 χ^2/NDF: 454868.3/34

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

In: 40.351+/-0.006 χ^2/NDF:319348.7/32

Out: 40.344+/-0.006 χ^2/NDF:383107.1/35

All: 40.348+/-0.004 χ^2/NDF: 702456.3/68



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

Left Out: -0.000+/-0.000 χ^2/NDF:14.0/17

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

Left In: 0.000+/-0.000 χ^2/NDF:6.8/16

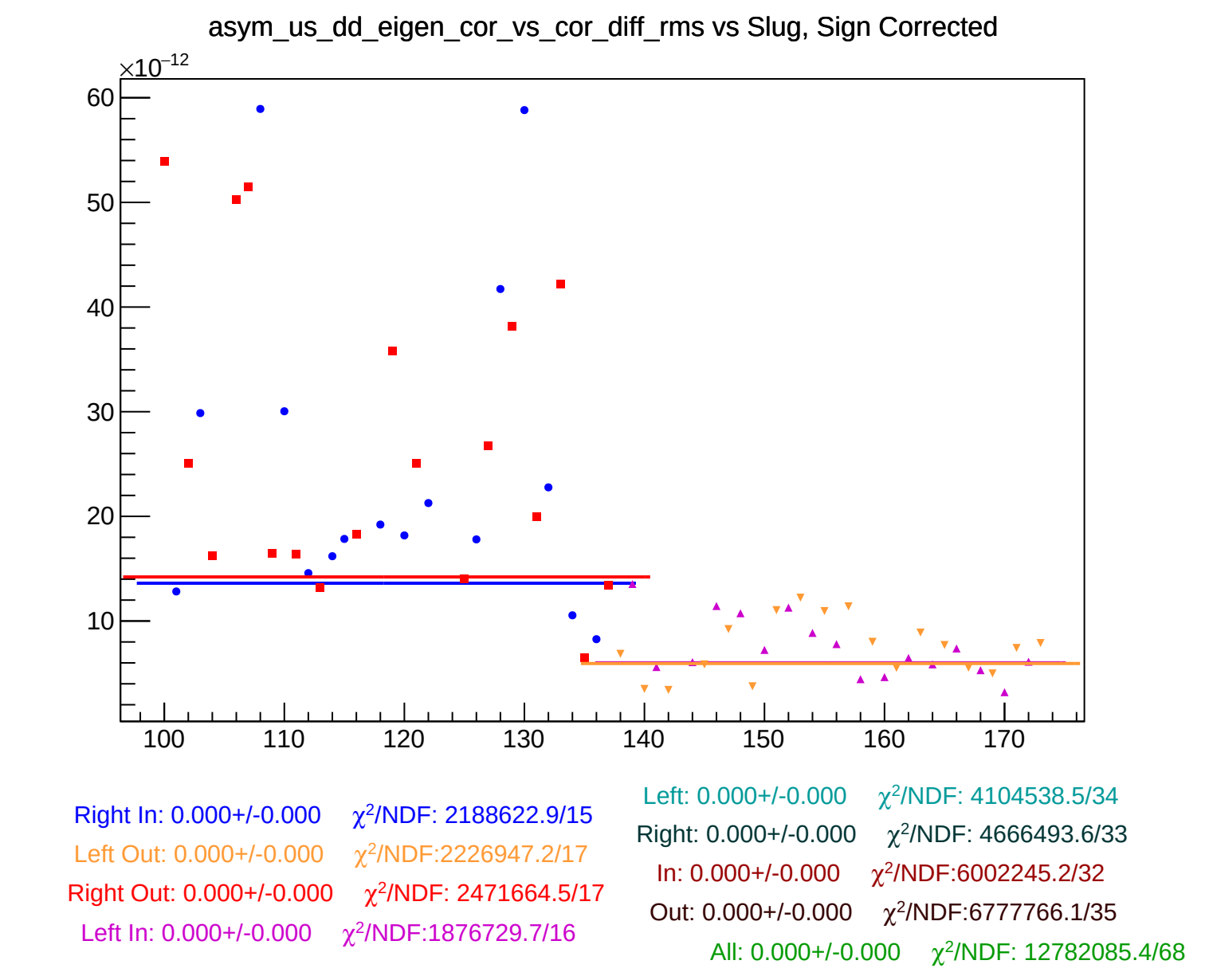
Left: 0.000+/-0.000 χ^2/NDF: 23.1/34

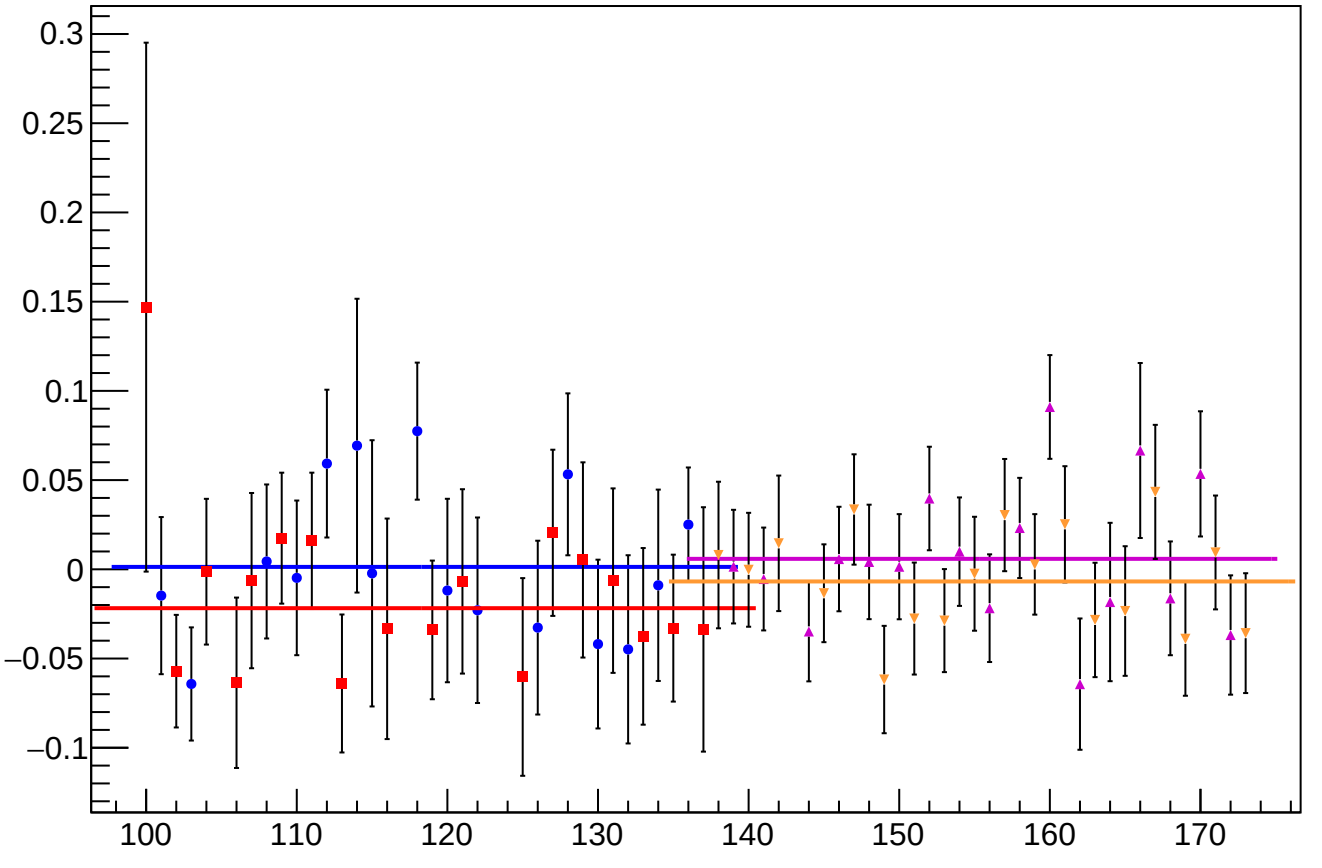
Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:20.5/32

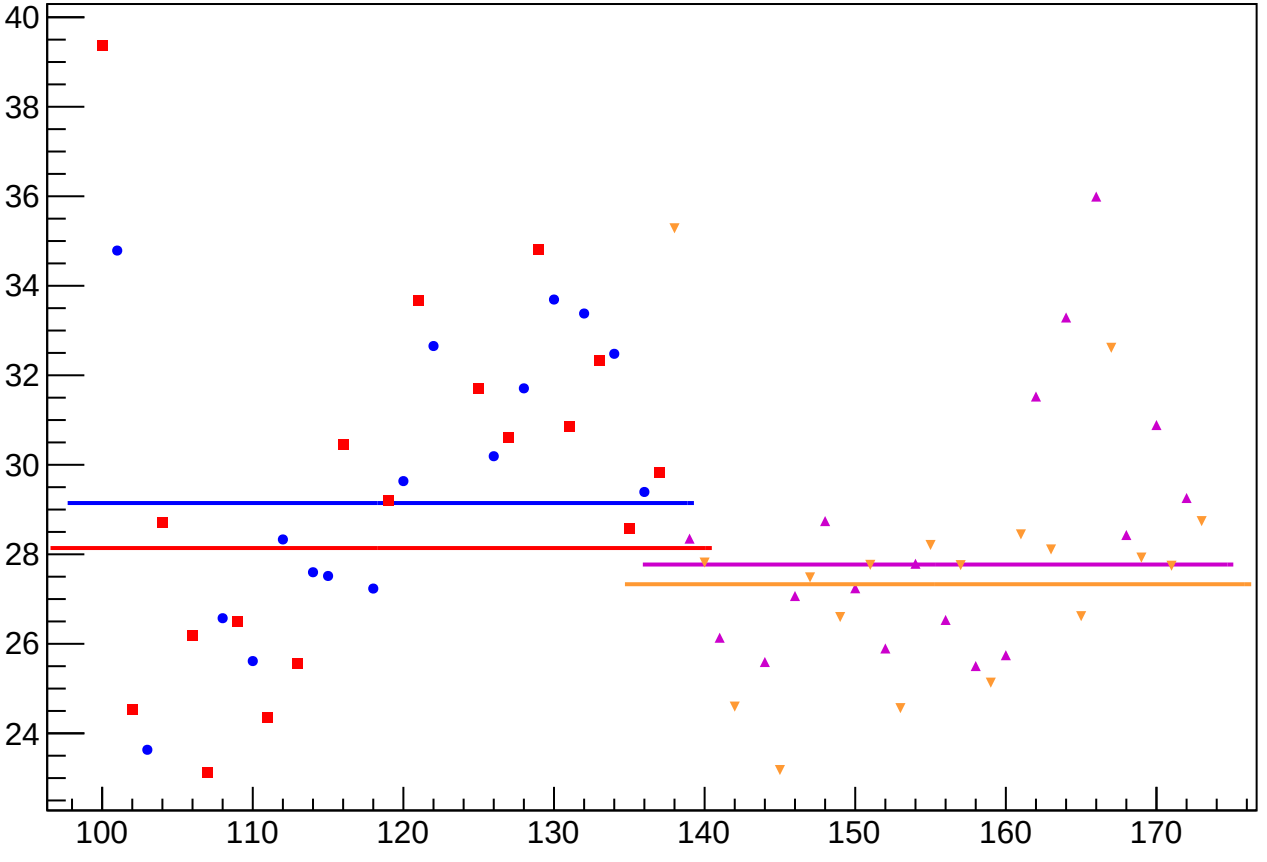
Out: -0.000+/-0.000 χ^2/NDF:31.7/35

All: 0.000+/-0.000 χ^2/NDF: 53.8/68


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
170
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2226947.2/17
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:1876729.7/16
Left: 0.000+/-0.000 χ²/NDF: 4104538.5/34
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:6002245.2/32
Out: 0.000+/-0.000 χ²/NDF:6777766.1/35
All: 0.000+/-0.000 χ²/NDF: 12782085.4/68


asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.011 χ²/NDF: 15.3/15
Left Out: -0.007+/-0.008 χ²/NDF:13.6/17
Right Out: -0.022+/-0.011 χ²/NDF: 9.0/17
Left In: 0.006+/-0.008 χ²/NDF:22.9/16
Left: -0.001+/-0.005 χ²/NDF: 37.9/34
Right: -0.011+/-0.008 χ²/NDF: 26.5/33
In: 0.004+/-0.006 χ²/NDF:38.3/32
Out: -0.012+/-0.006 χ²/NDF:23.9/35
All: -0.004+/-0.004 χ²/NDF: 65.5/68

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: 27.332+/-0.005 χ^2/NDF:214144.1/17

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

Left In: 27.772+/-0.005 χ^2/NDF:185936.8/16

Left: 27.548+/-0.004 χ^2/NDF: 403409.6/34

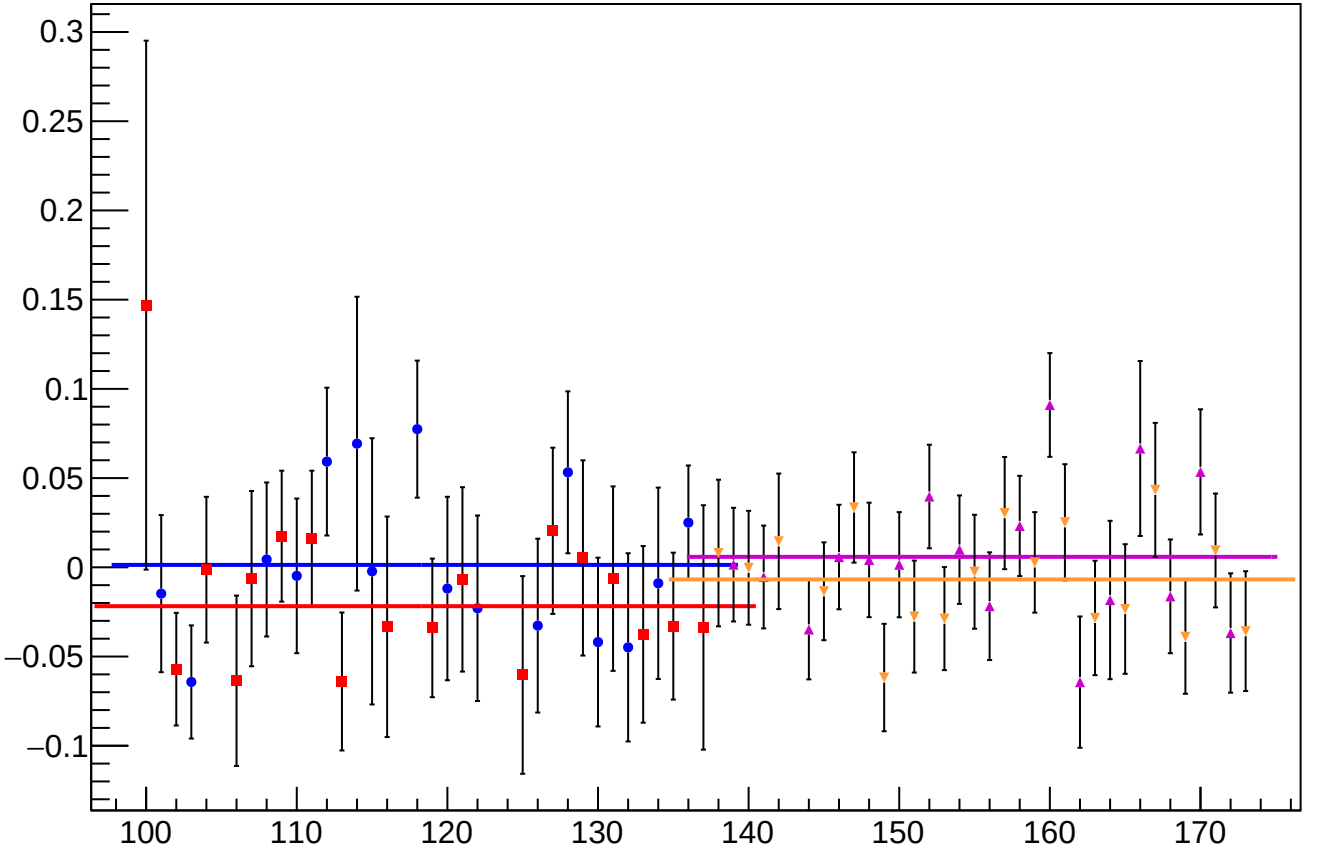
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.211+/-0.004 χ^2/NDF:383257.7/32

Out: 27.599+/-0.004 χ^2/NDF:408782.0/35

All: 27.898+/-0.003 χ^2/NDF: 801580.7/68

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.007+/-0.008 χ^2/NDF:13.6/17

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

Left In: 0.006+/-0.008 χ^2/NDF:22.9/16

Left: -0.001+/-0.005 χ^2/NDF: 37.9/34

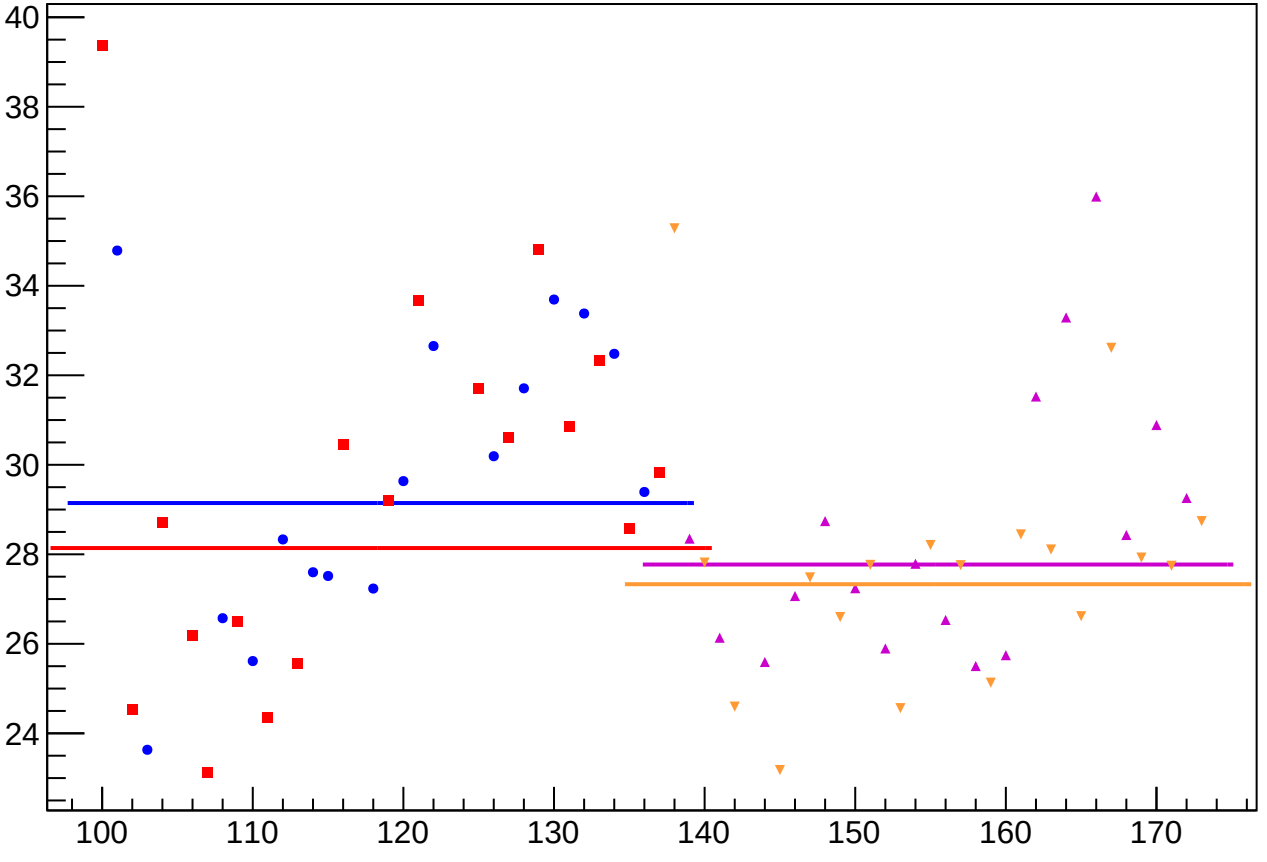
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.004+/-0.006 χ^2/NDF:38.3/32

Out: -0.012+/-0.006 χ^2/NDF:23.9/35

All: -0.004+/-0.004 χ^2/NDF: 65.5/68

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 27.332+/-0.005 χ^2/NDF:214144.1/17

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

Left In: 27.772+/-0.005 χ^2/NDF:185936.8/16

Left: 27.548+/-0.004 χ^2/NDF: 403409.6/34

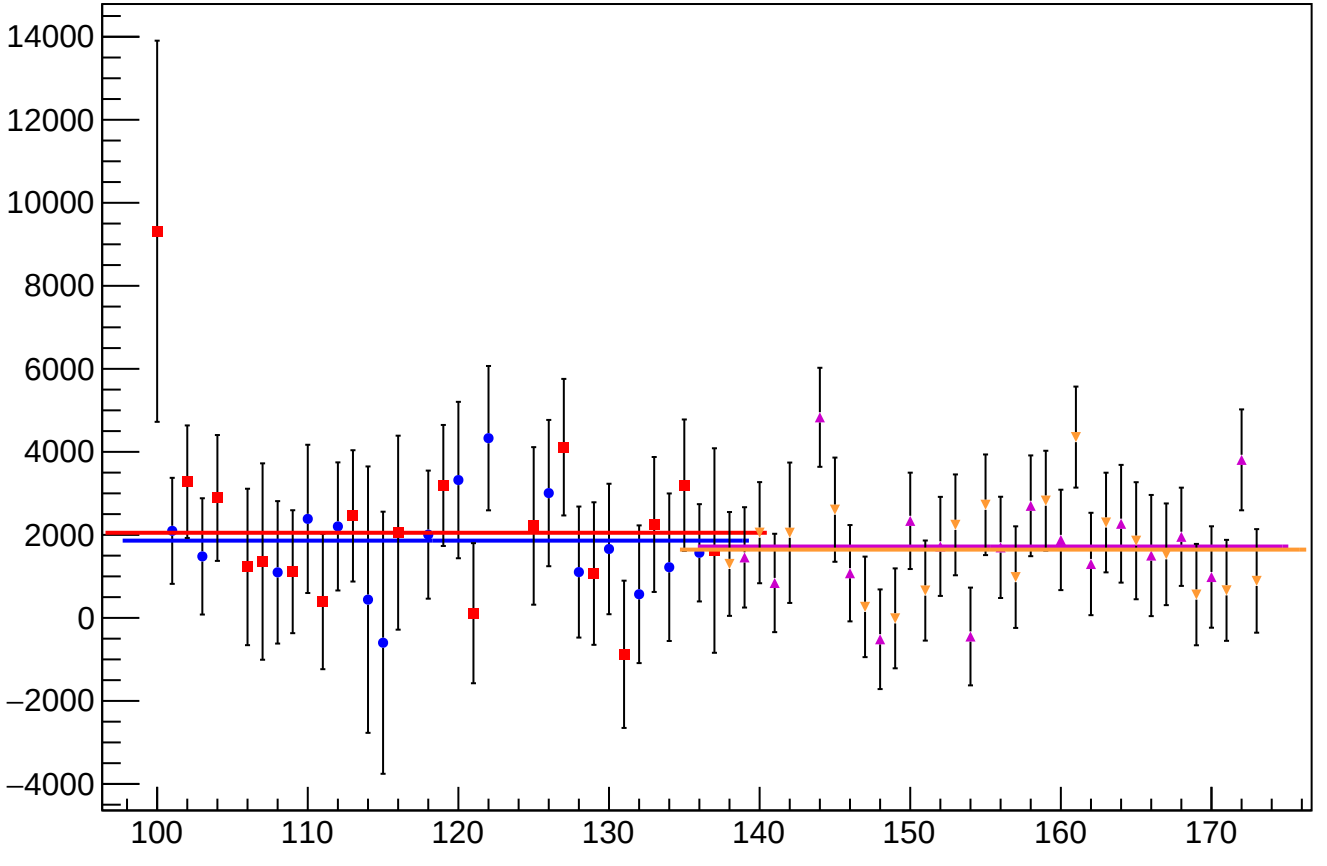
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.211+/-0.004 χ^2/NDF:383257.7/32

Out: 27.599+/-0.004 χ^2/NDF:408782.0/35

All: 27.898+/-0.003 χ^2/NDF: 801580.7/68

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1644.991+/-293.560 χ^2/NDF:14.1/17

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

Left In: 1719.486+/-295.899 χ^2/NDF:19.2/16

Left: 1681.943+/-208.400 χ^2/NDF: 33.3/34

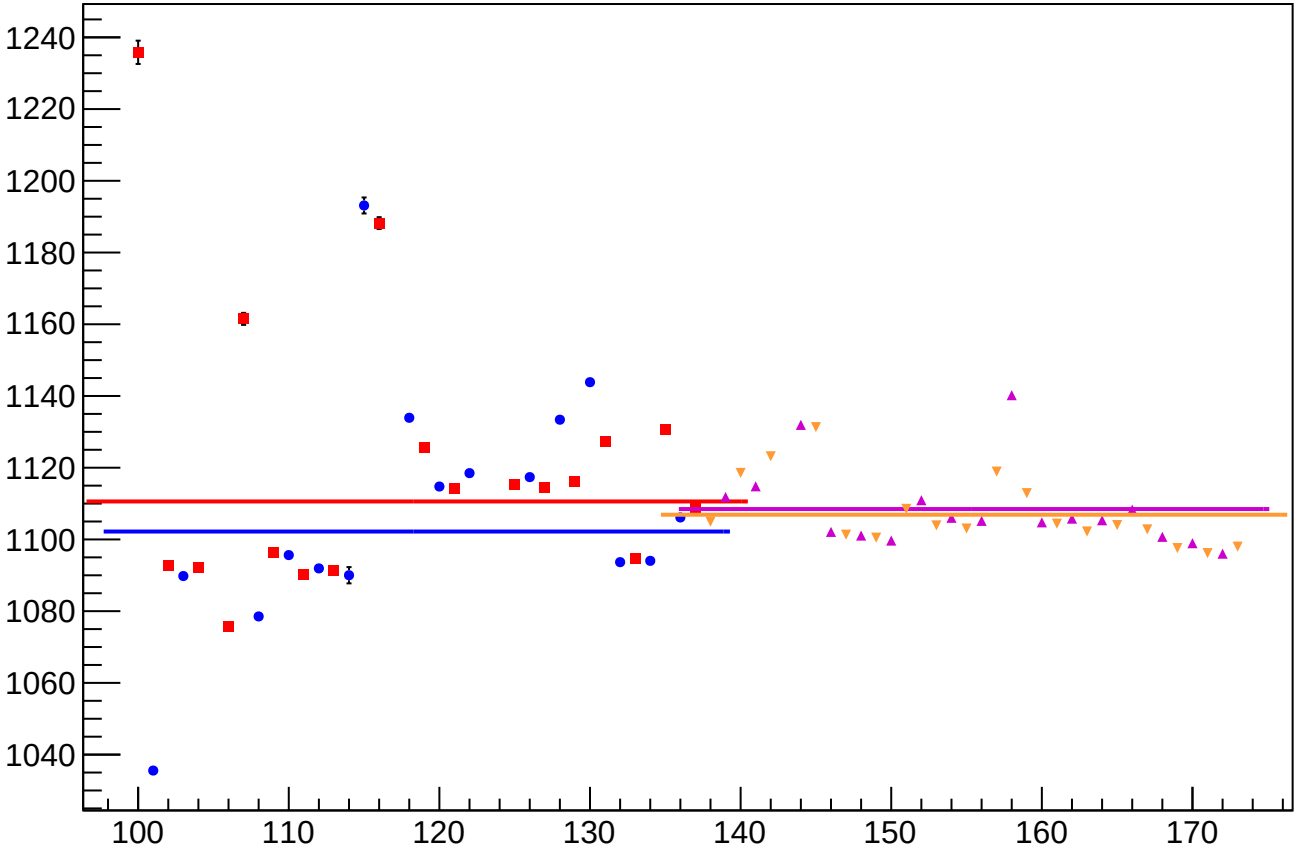
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1768.205+/-239.843 χ^2/NDF:24.6/32

Out: 1782.872+/-238.537 χ^2/NDF:27.3/35

All: 1775.579+/-169.131 χ^2/NDF: 51.8/68

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1106.889+/-0.208 χ^2/NDF:1950.5/17

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

Left In: 1108.474+/-0.209 χ^2/NDF:2952.5/16

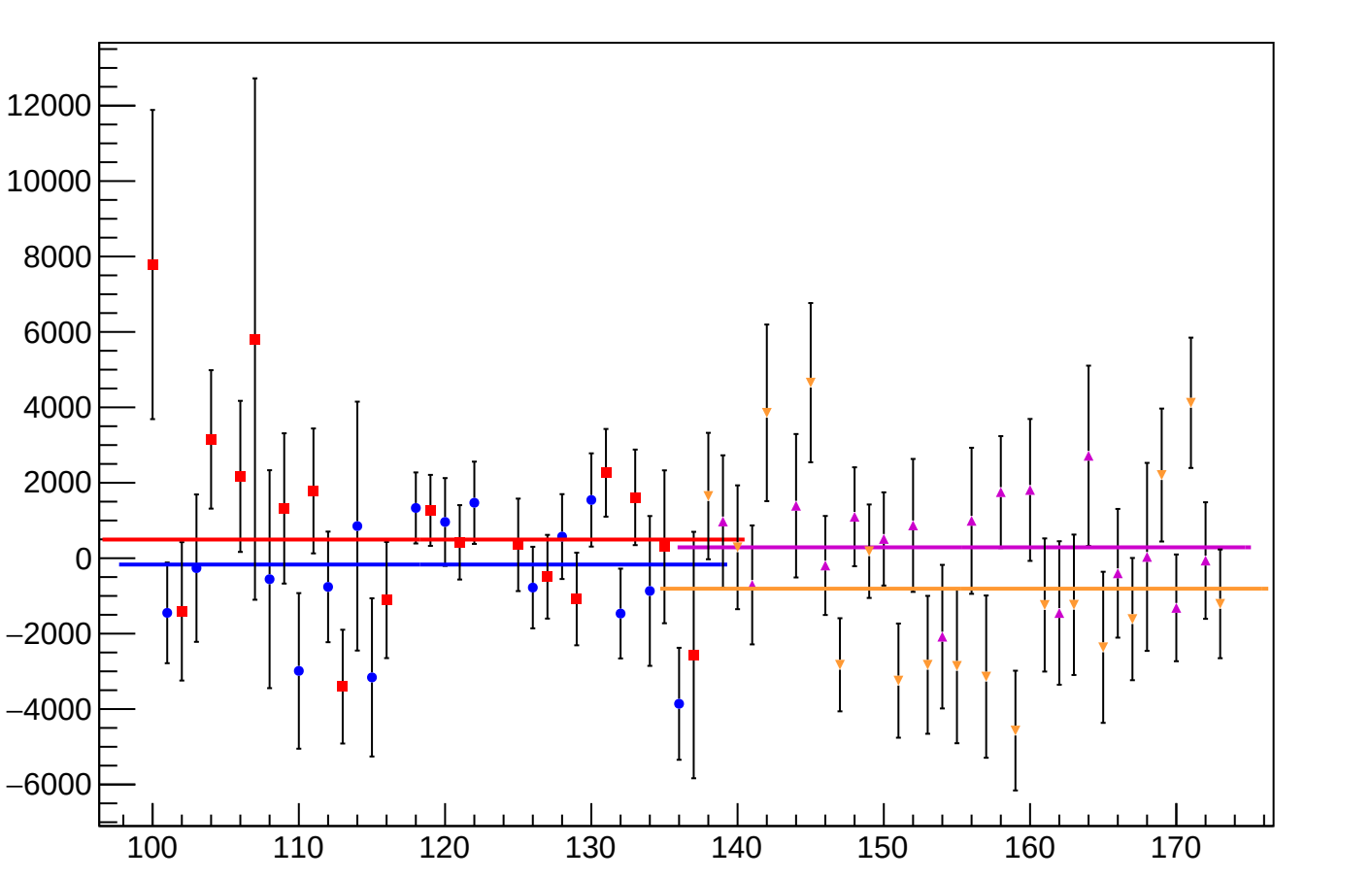
Left: 1107.675+/-0.147 χ^2/NDF: 4931.9/34

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

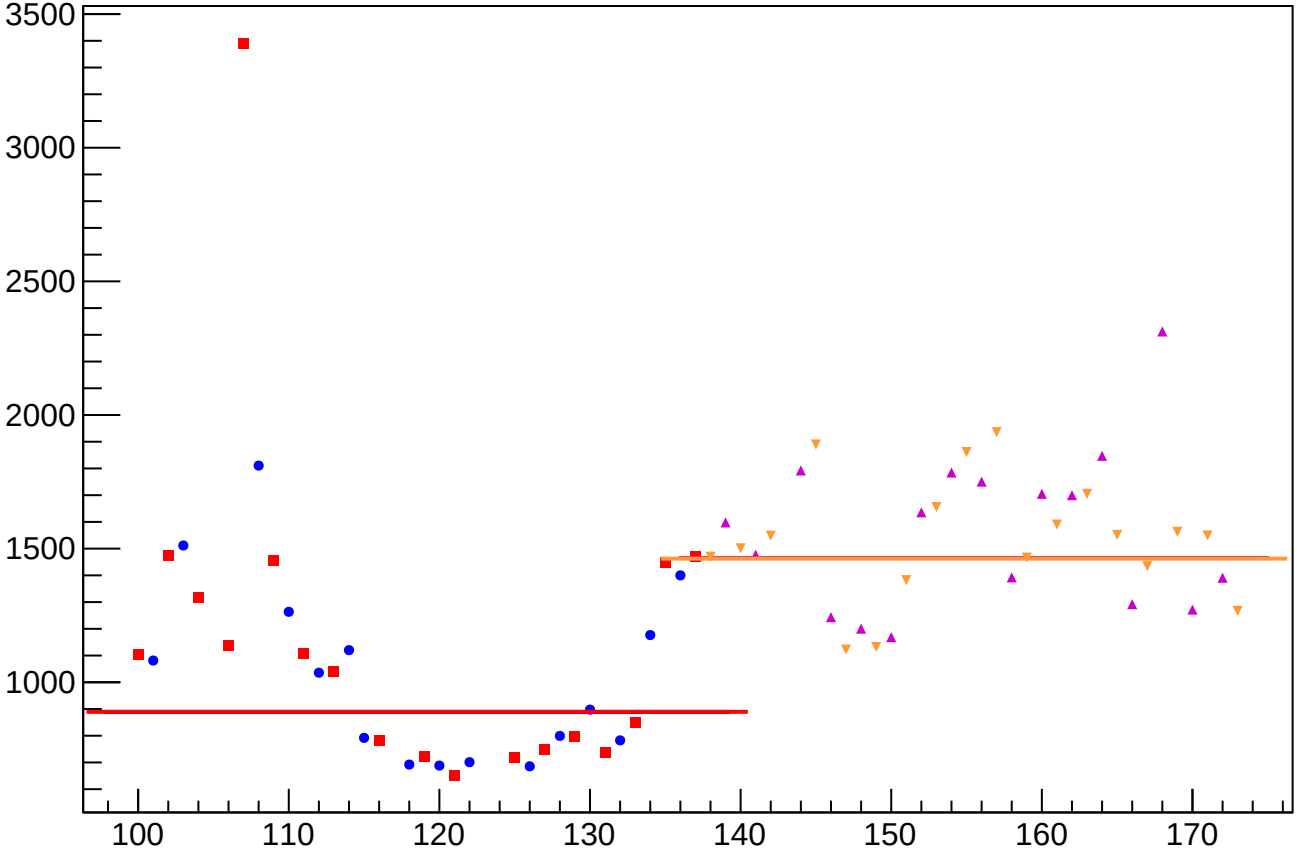
In: 1106.324+/-0.170 χ^2/NDF:14609.4/32

Out: 1108.147+/-0.169 χ^2/NDF:9754.6/35

All: 1107.240+/-0.120 χ^2/NDF: 24422.1/68


asym_usl_reg_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -167.891+/-345.441 χ²/NDF: 21.0/15
Left Out: -808.019+/-395.114 χ²/NDF:40.3/17
Right Out: 495.172+/-345.054 χ²/NDF: 23.3/17
Left In: 288.596+/-398.557 χ²/NDF:8.2/16
Left: -264.468+/-280.597 χ²/NDF: 52.3/34
Right: 164.012+/-244.127 χ²/NDF: 46.1/33
In: 27.928+/-261.038 χ²/NDF:30.0/32
Out: -68.686+/-259.898 χ²/NDF:69.7/35
All: -20.590+/-184.177 χ²/NDF: 99.8/68

asym_usl_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1462.633+/-0.279 χ^2/NDF:677664.8/17

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

Left In: 1464.825+/-0.282 χ^2/NDF:855387.8/16

Left: 1463.719+/-0.198 χ^2/NDF: 1533083.1/34

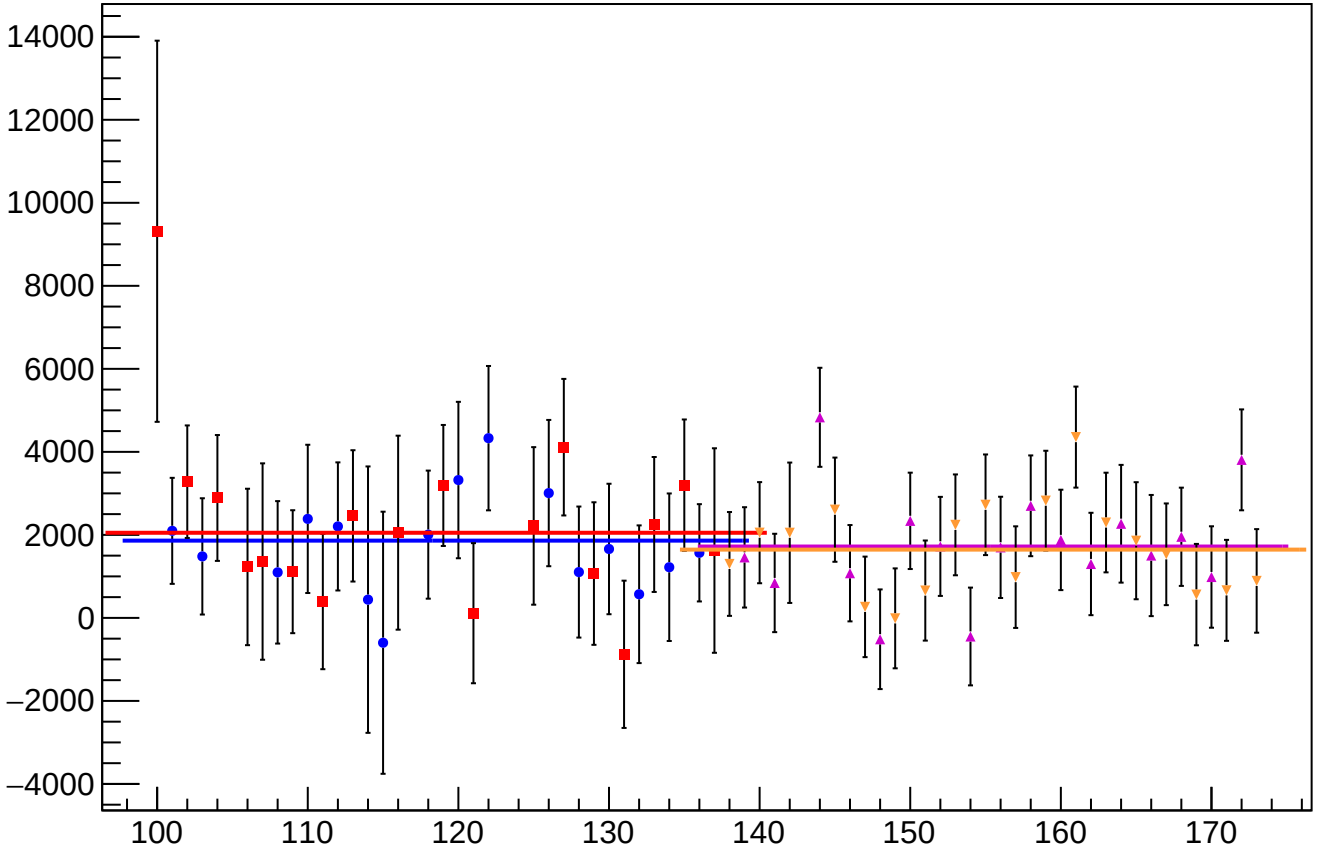
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1135.986+/-0.185 χ^2/NDF:4372425.8/32

Out: 1137.468+/-0.184 χ^2/NDF:4411010.5/35

All: 1136.730+/-0.130 χ^2/NDF: 8783468.7/68

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1644.991+/-293.560 χ^2/NDF:14.1/17

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

Left In: 1719.486+/-295.899 χ^2/NDF:19.2/16

Left: 1681.943+/-208.400 χ^2/NDF: 33.3/34

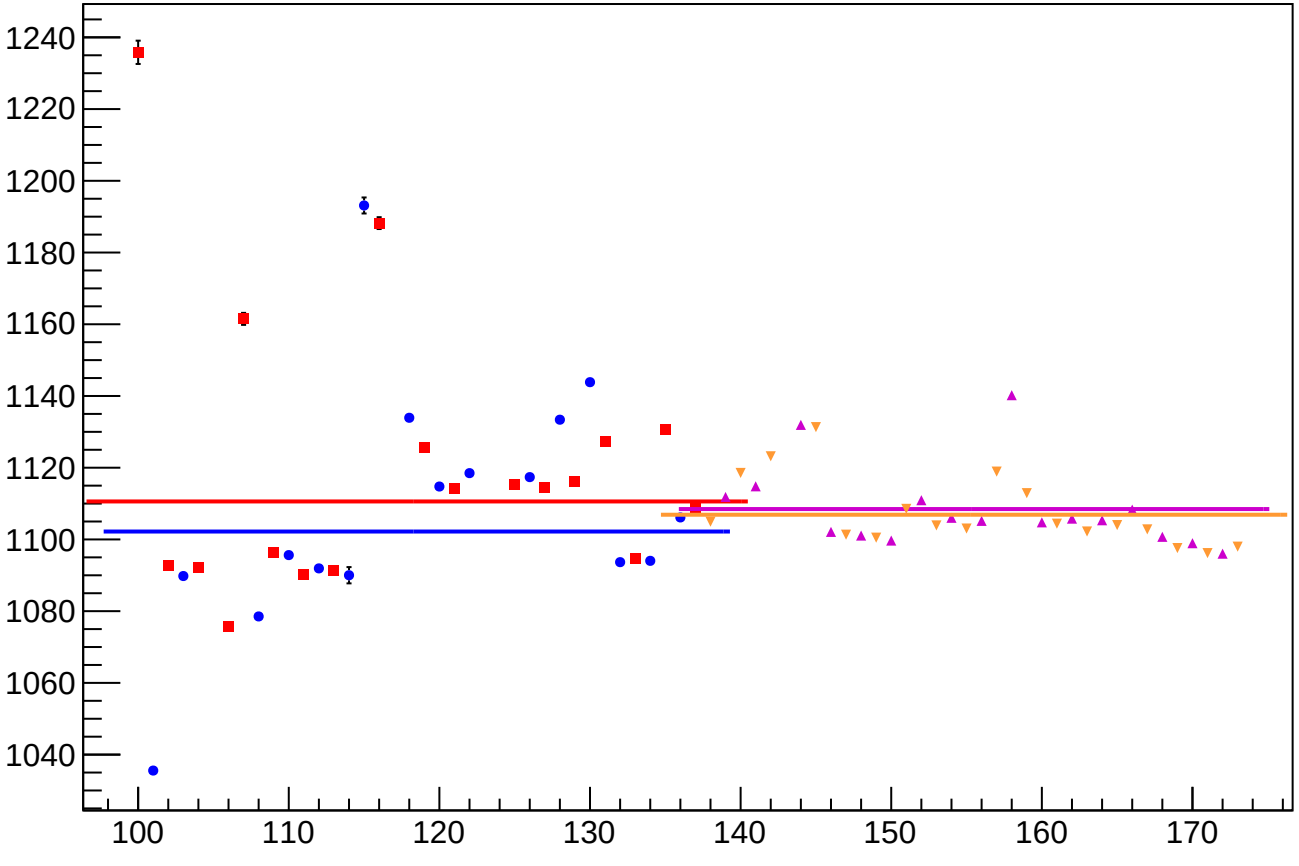
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1768.205+/-239.843 χ^2/NDF:24.6/32

Out: 1782.872+/-238.537 χ^2/NDF:27.3/35

All: 1775.579+/-169.131 χ^2/NDF: 51.8/68

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1106.889+/-0.208 χ^2/NDF:1950.5/17

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

Left In: 1108.474+/-0.209 χ^2/NDF:2952.5/16

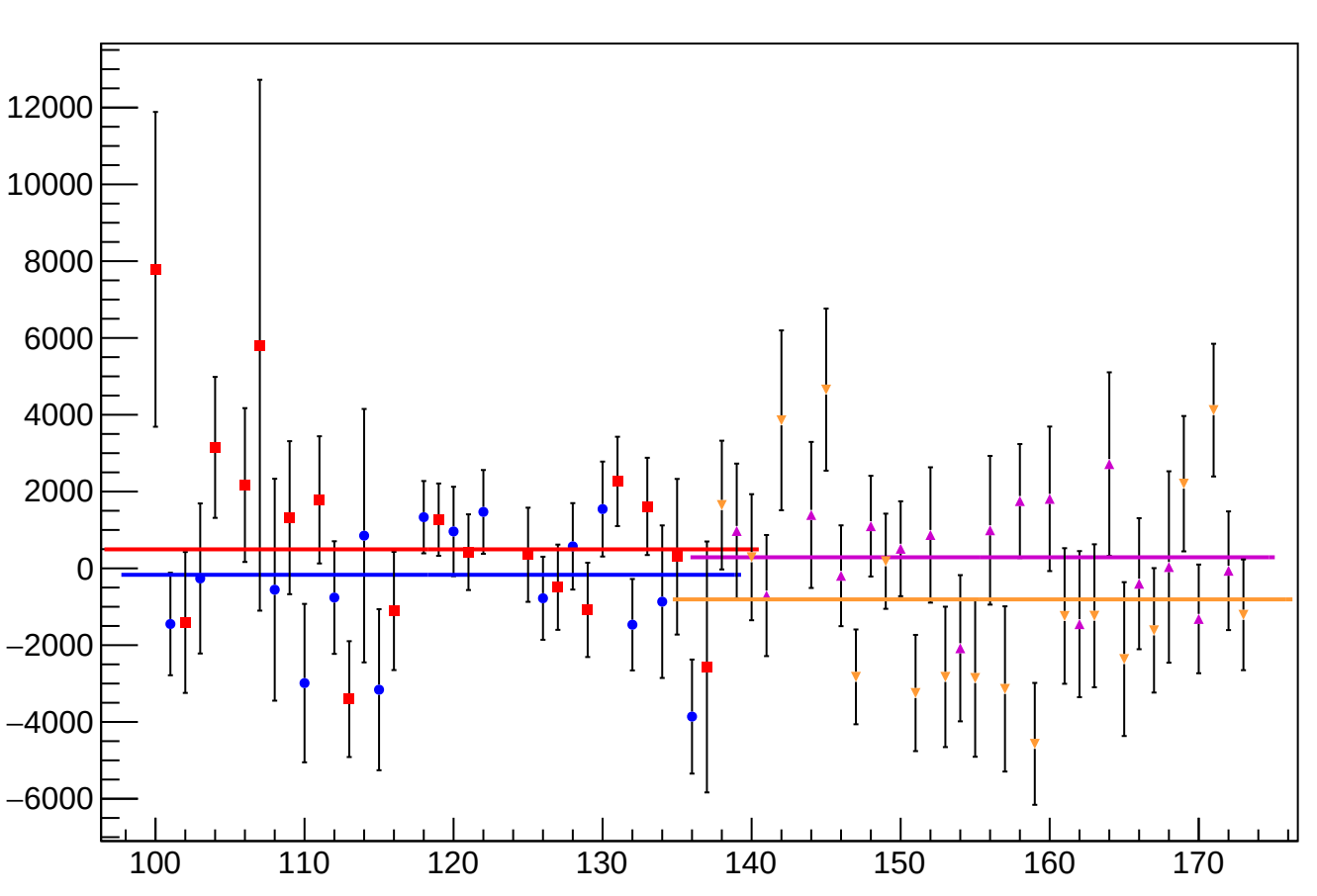
Left: 1107.675+/-0.147 χ^2/NDF: 4931.9/34

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

In: 1106.324+/-0.170 χ^2/NDF:14609.4/32

Out: 1108.147+/-0.169 χ^2/NDF:9754.6/35

All: 1107.240+/-0.120 χ^2/NDF: 24422.1/68



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

Left Out: -808.019+/-395.114 χ^2/NDF:40.3/17

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

Left In: 288.596+/-398.557 χ^2/NDF:8.2/16

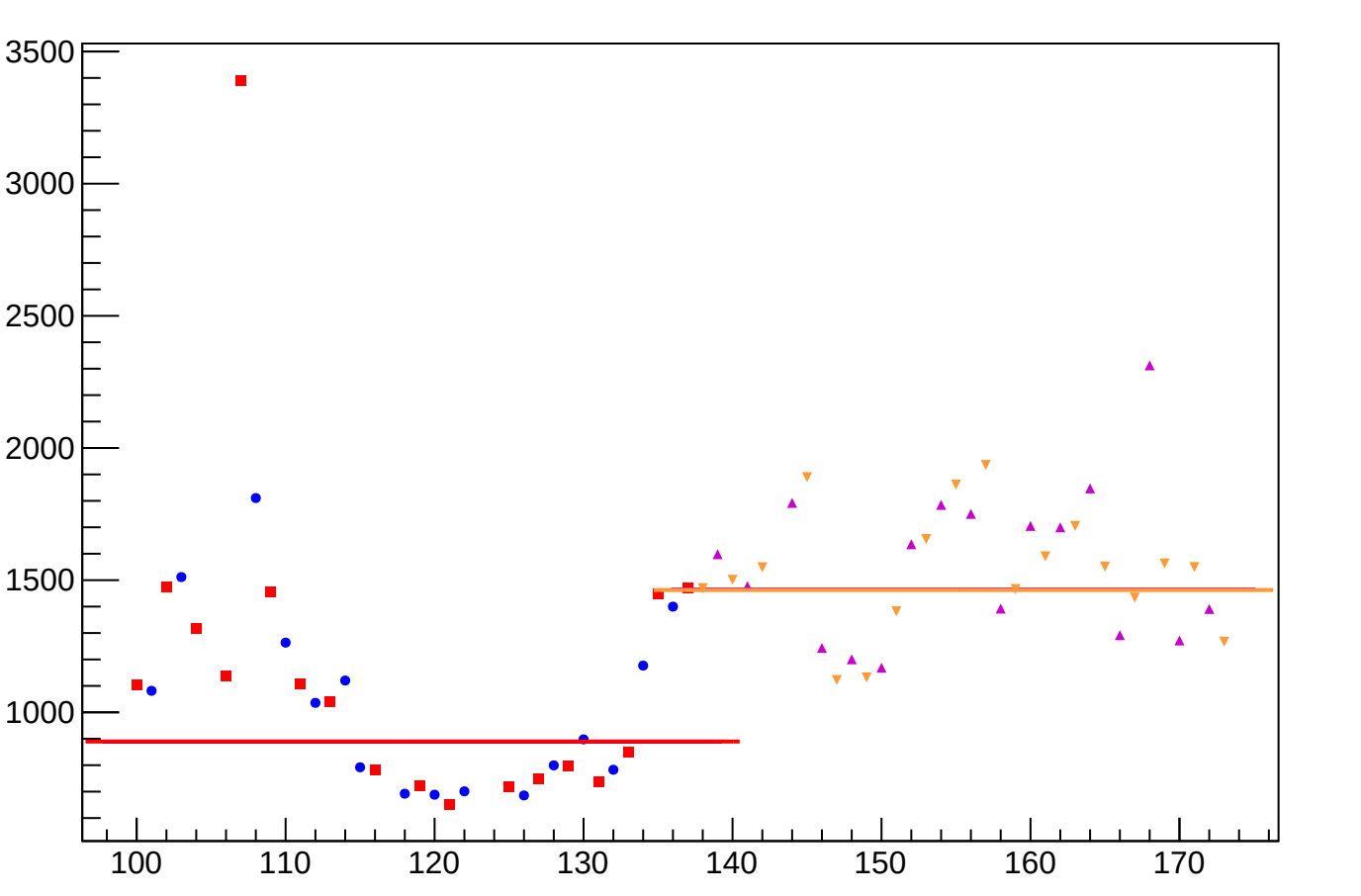
Left: -264.468+/-280.597 χ^2/NDF: 52.3/34

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

In: 27.928+/-261.038 χ^2/NDF:30.0/32

Out: -68.686+/-259.898 χ^2/NDF:69.7/35

All: -20.590+/-184.177 χ^2/NDF: 99.8/68



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

Left Out: 1462.633+/-0.279 χ^2/NDF:677664.8/17

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

Left In: 1464.825+/-0.282 χ^2/NDF:855387.8/16

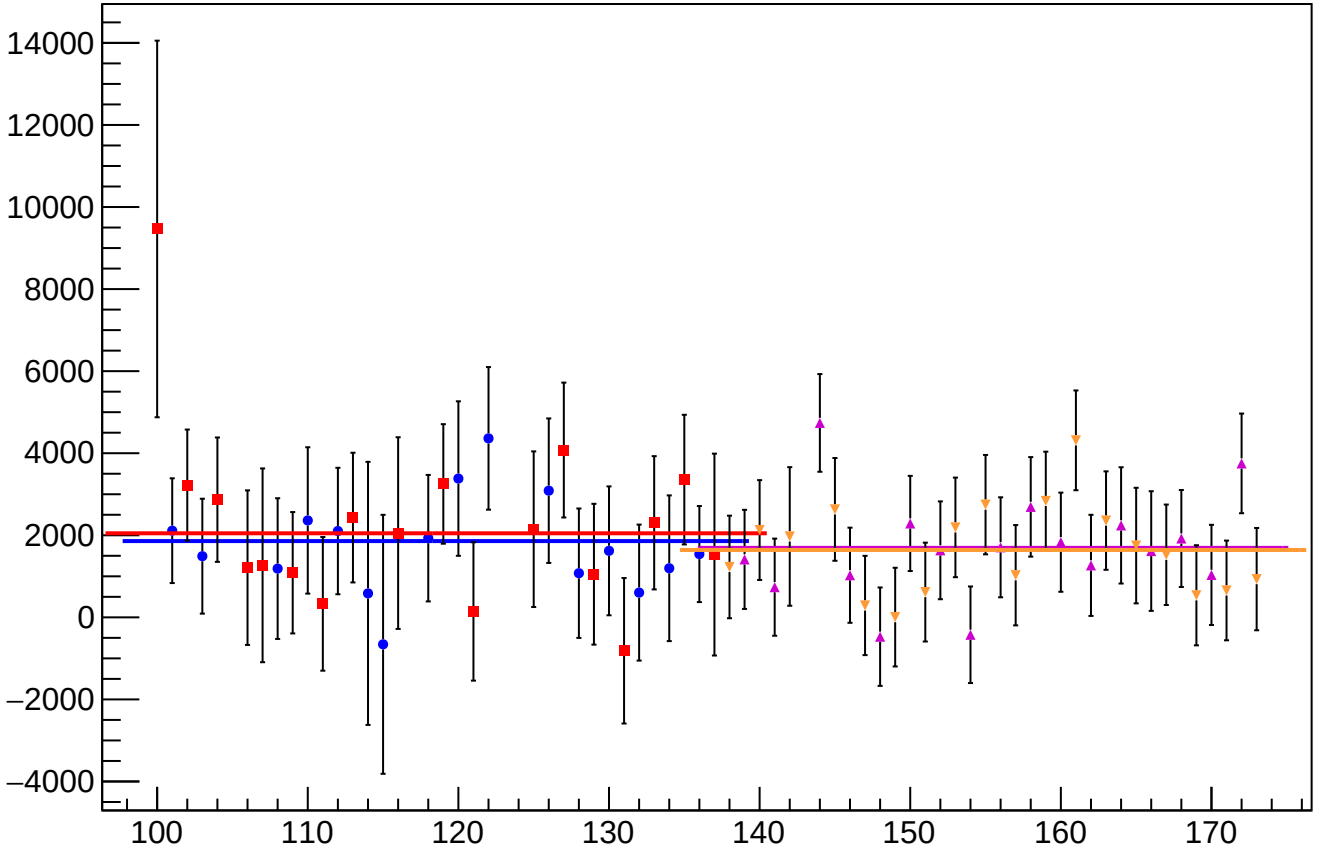
Left: 1463.719+/-0.198 χ^2/NDF: 1533083.1/34

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

In: 1135.986+/-0.185 χ^2/NDF:4372425.8/32

Out: 1137.468+/-0.184 χ^2/NDF:4411010.5/35

All: 1136.730+/-0.130 χ^2/NDF: 8783468.7/68



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

Left Out: 1642.417+/-293.271 χ^2/NDF:14.0/17

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

Left In: 1693.066+/-295.608 χ^2/NDF:18.5/16

Left: 1667.541+/-208.195 χ^2/NDF: 32.6/34

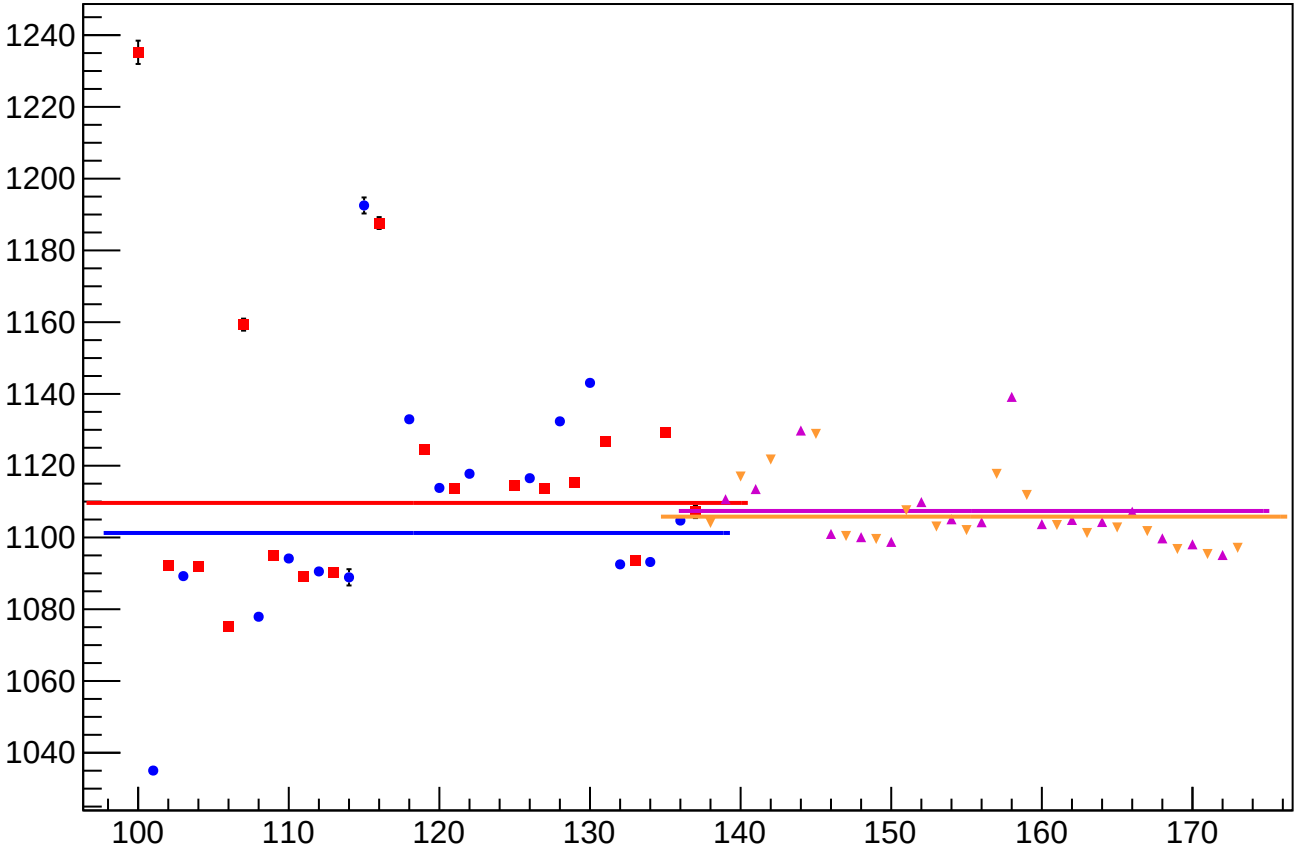
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1749.864+/-239.617 χ^2/NDF:24.1/32

Out: 1780.415+/-238.312 χ^2/NDF:27.4/35

All: 1765.223+/-168.971 χ^2/NDF: 51.5/68

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1105.804+/-0.207 χ^2/NDF:1817.0/17

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

Left In: 1107.386+/-0.209 χ^2/NDF:2866.5/16

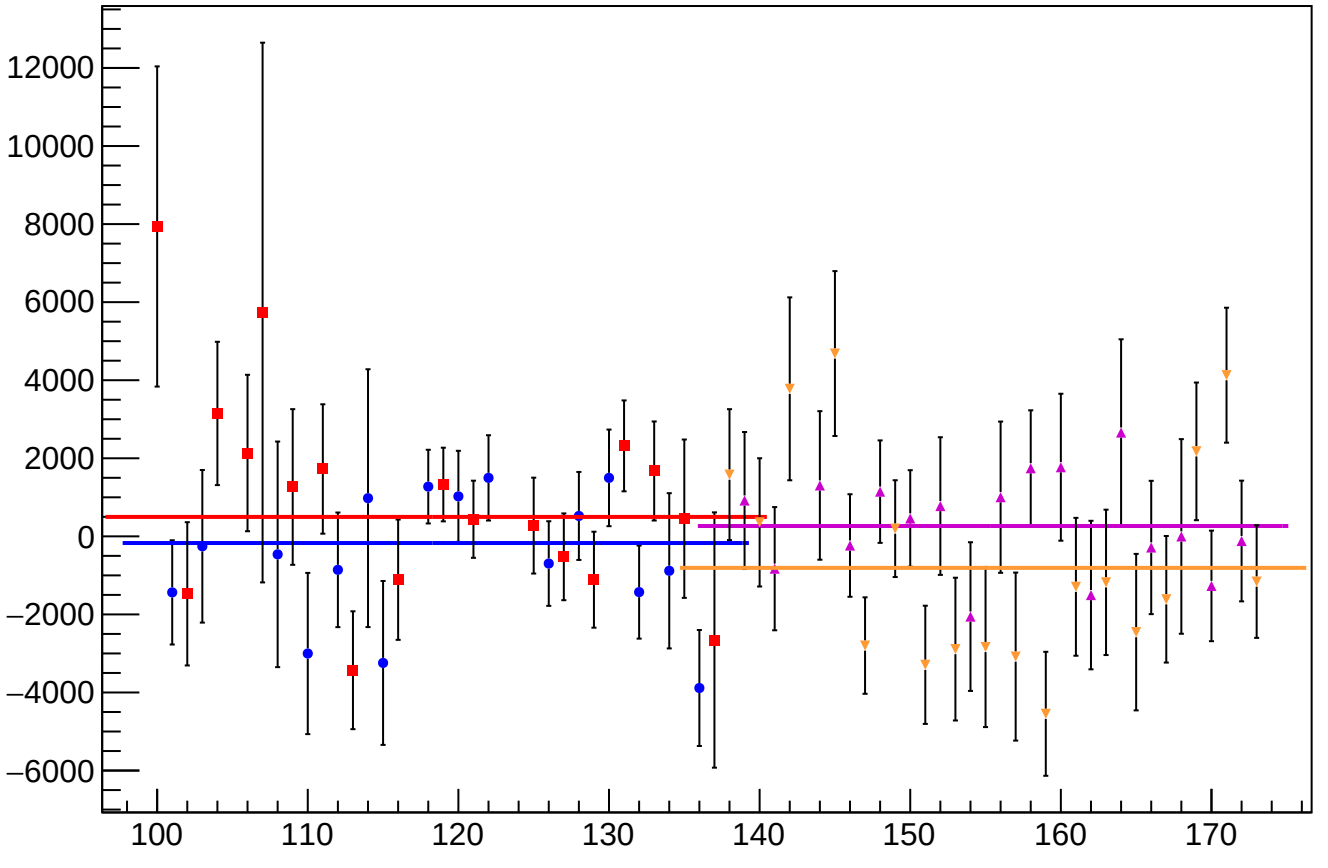
Left: 1106.589+/-0.147 χ^2/NDF: 4712.4/34

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

In: 1105.283+/-0.169 χ^2/NDF:14469.8/32

Out: 1107.103+/-0.169 χ^2/NDF:9605.6/35

All: 1106.198+/-0.119 χ^2/NDF: 24133.5/68



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

Left Out: -807.262+/-395.342 χ^2/NDF:40.1/17

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

Left In: 264.803+/-398.790 χ^2/NDF:8.1/16

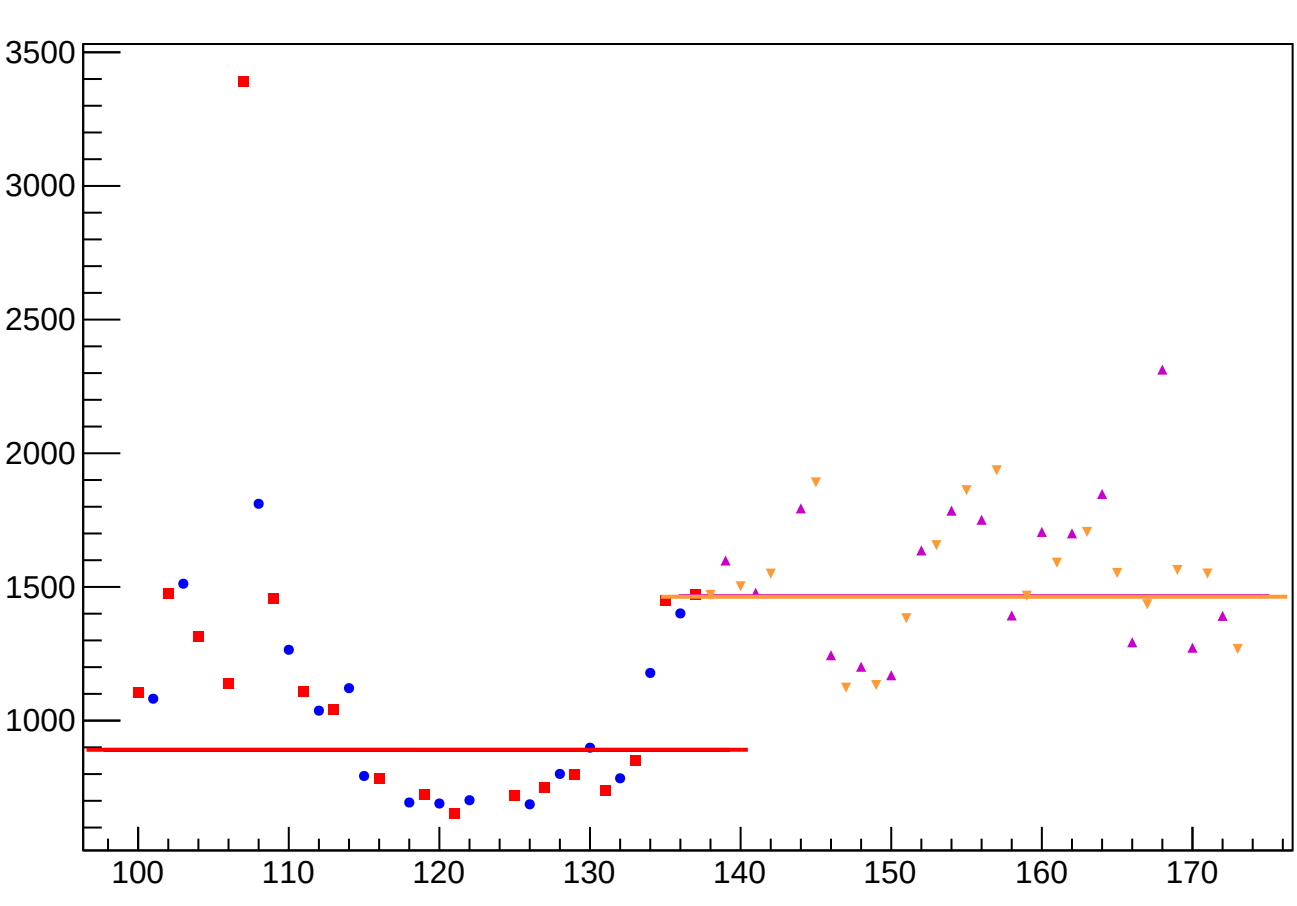
Left: -275.885+/-280.760 χ^2/NDF: 51.9/34

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

In: 16.195+/-261.336 χ^2/NDF:29.7/32

Out: -67.358+/-260.181 χ^2/NDF:70.2/35

All: -25.767+/-184.383 χ^2/NDF: 100.0/68



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

Left Out: 1463.515+/-0.280 χ^2/NDF:676633.9/17

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

Left In: 1465.725+/-0.282 χ^2/NDF:854108.7/16

Left: 1464.610+/-0.199 χ^2/NDF: 1530773.6/34

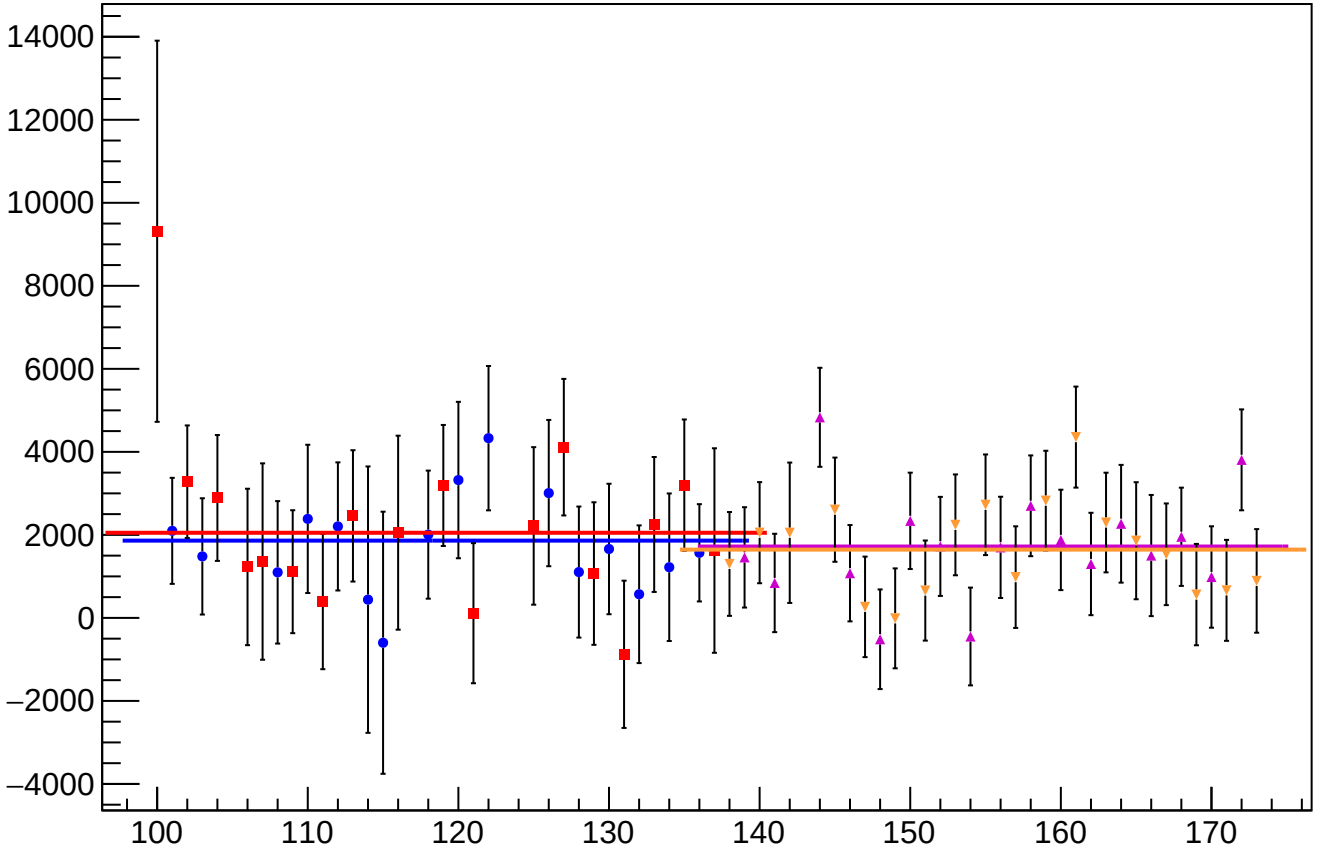
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 1137.526+/-0.185 χ^2/NDF:4357062.1/32

Out: 1138.932+/-0.184 χ^2/NDF:4396613.8/35

All: 1138.232+/-0.130 χ^2/NDF: 8753705.0/68

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1644.991+/-293.560 χ^2/NDF:14.1/17

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

Left In: 1719.486+/-295.899 χ^2/NDF:19.2/16

Left: 1681.943+/-208.400 χ^2/NDF: 33.3/34

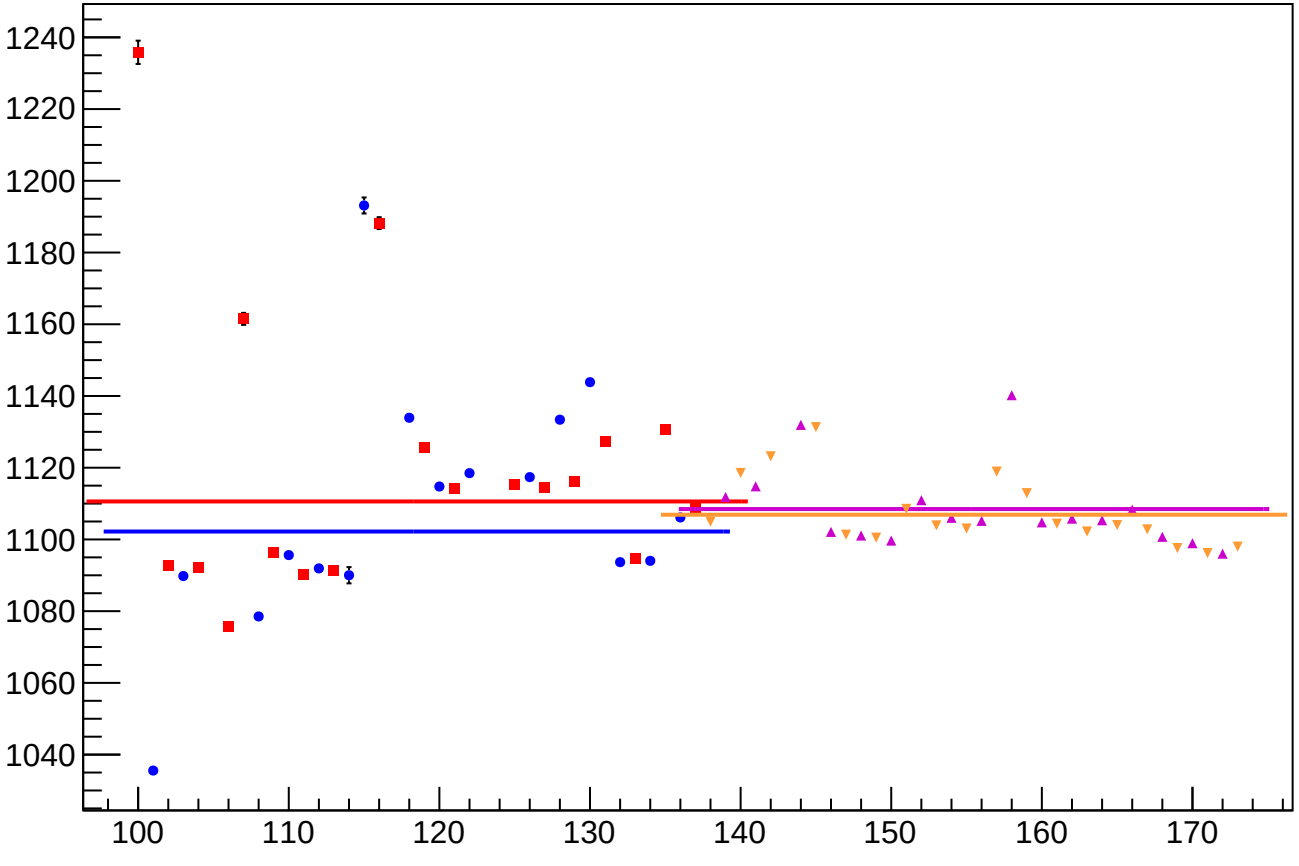
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1768.205+/-239.843 χ^2/NDF:24.6/32

Out: 1782.872+/-238.537 χ^2/NDF:27.3/35

All: 1775.579+/-169.131 χ^2/NDF: 51.8/68

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1106.889+/-0.208 χ^2/NDF:1950.5/17

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

Left In: 1108.474+/-0.209 χ^2/NDF:2952.5/16

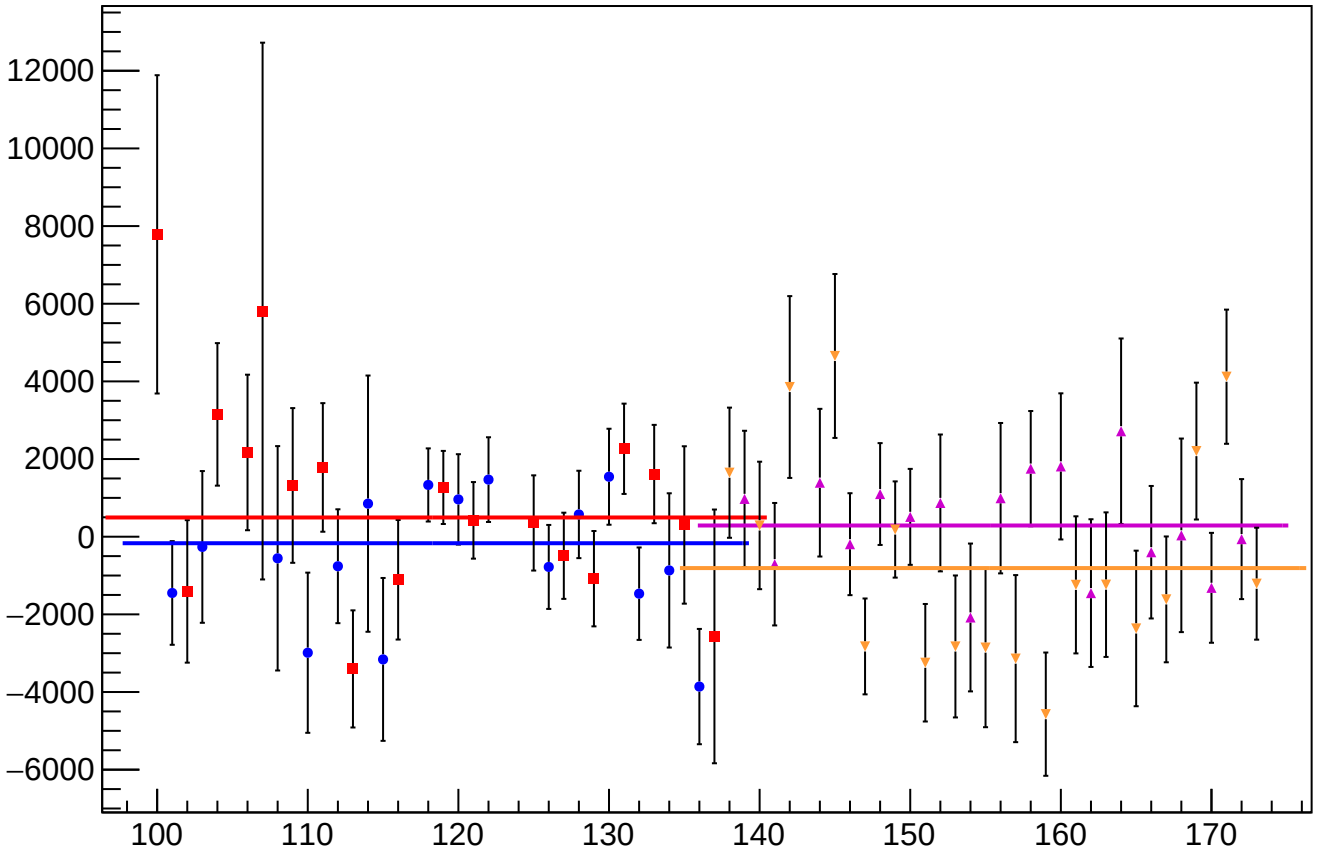
Left: 1107.675+/-0.147 χ^2/NDF: 4931.9/34

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

In: 1106.324+/-0.170 χ^2/NDF:14609.4/32

Out: 1108.147+/-0.169 χ^2/NDF:9754.6/35

All: 1107.240+/-0.120 χ^2/NDF: 24422.1/68



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

Left Out: -808.019+/-395.114 χ^2/NDF:40.3/17

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

Left In: 288.596+/-398.557 χ^2/NDF:8.2/16

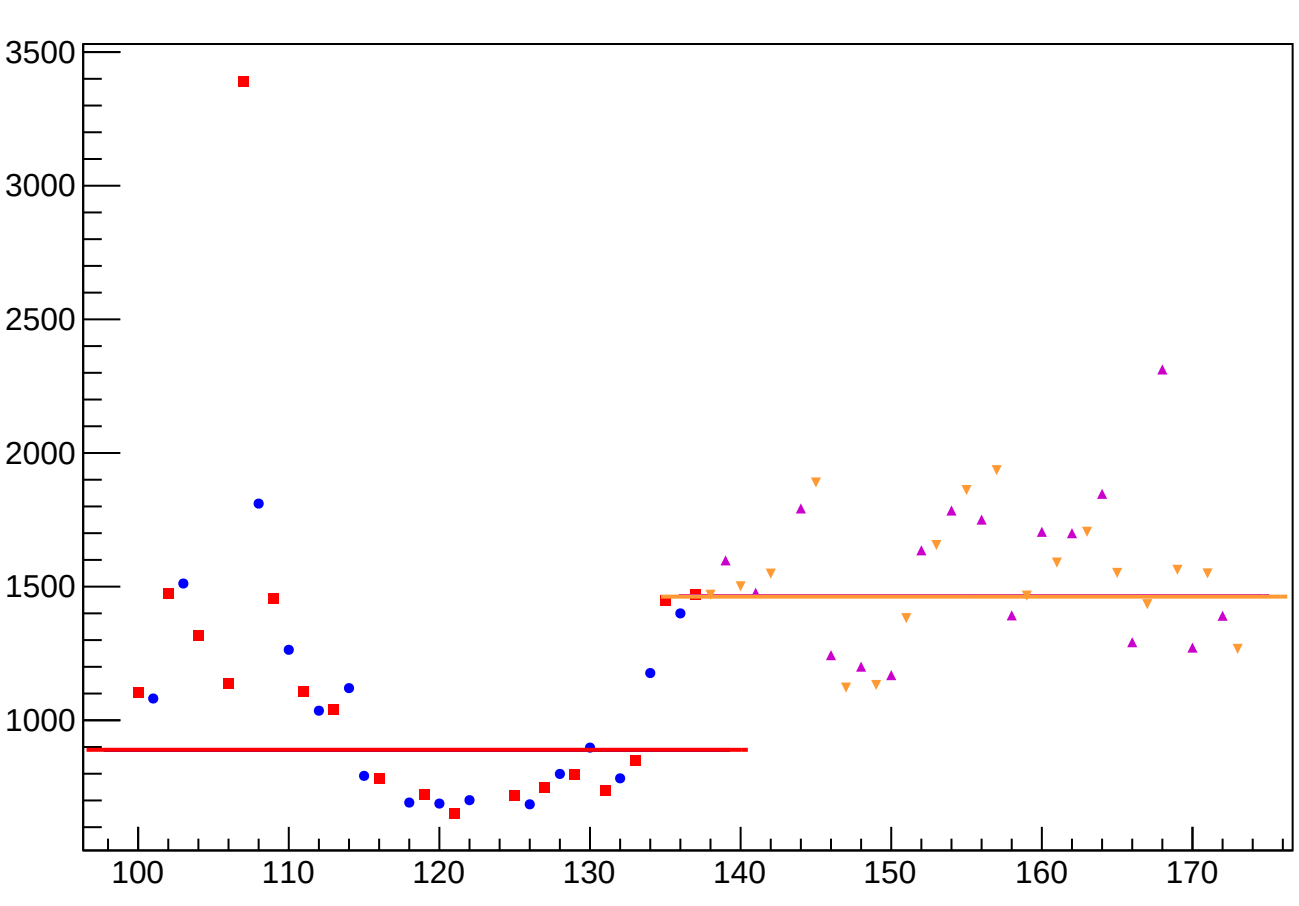
Left: -264.468+/-280.597 χ^2/NDF: 52.3/34

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

In: 27.928+/-261.038 χ^2/NDF:30.0/32

Out: -68.686+/-259.898 χ^2/NDF:69.7/35

All: -20.590+/-184.177 χ^2/NDF: 99.8/68



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

Left Out: 1462.633+/-0.279 χ^2/NDF:677664.8/17

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

Left In: 1464.825+/-0.282 χ^2/NDF:855387.8/16

Left: 1463.719+/-0.198 χ^2/NDF: 1533083.1/34

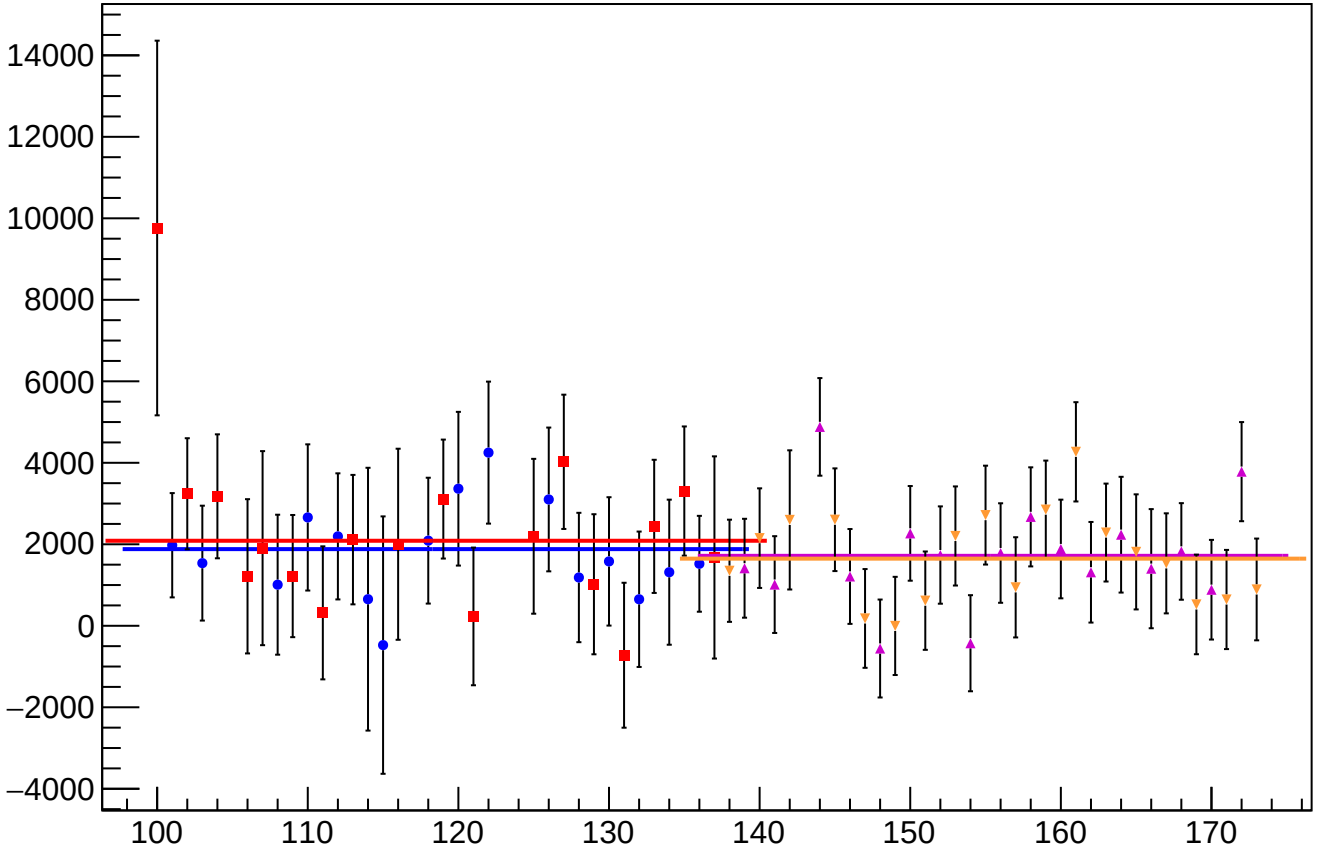
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1135.986+/-0.185 χ^2/NDF:4372425.8/32

Out: 1137.468+/-0.184 χ^2/NDF:4411010.5/35

All: 1136.730+/-0.130 χ^2/NDF: 8783468.7/68

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1881.524+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1647.782+/-294.136 χ^2/NDF:14.3/17

Right Out: 2086.886+/-410.785 χ^2/NDF: 12.4/17

Left In: 1716.767+/-296.404 χ^2/NDF:19.0/16

Left: 1682.010+/-208.783 χ^2/NDF: 33.3/34

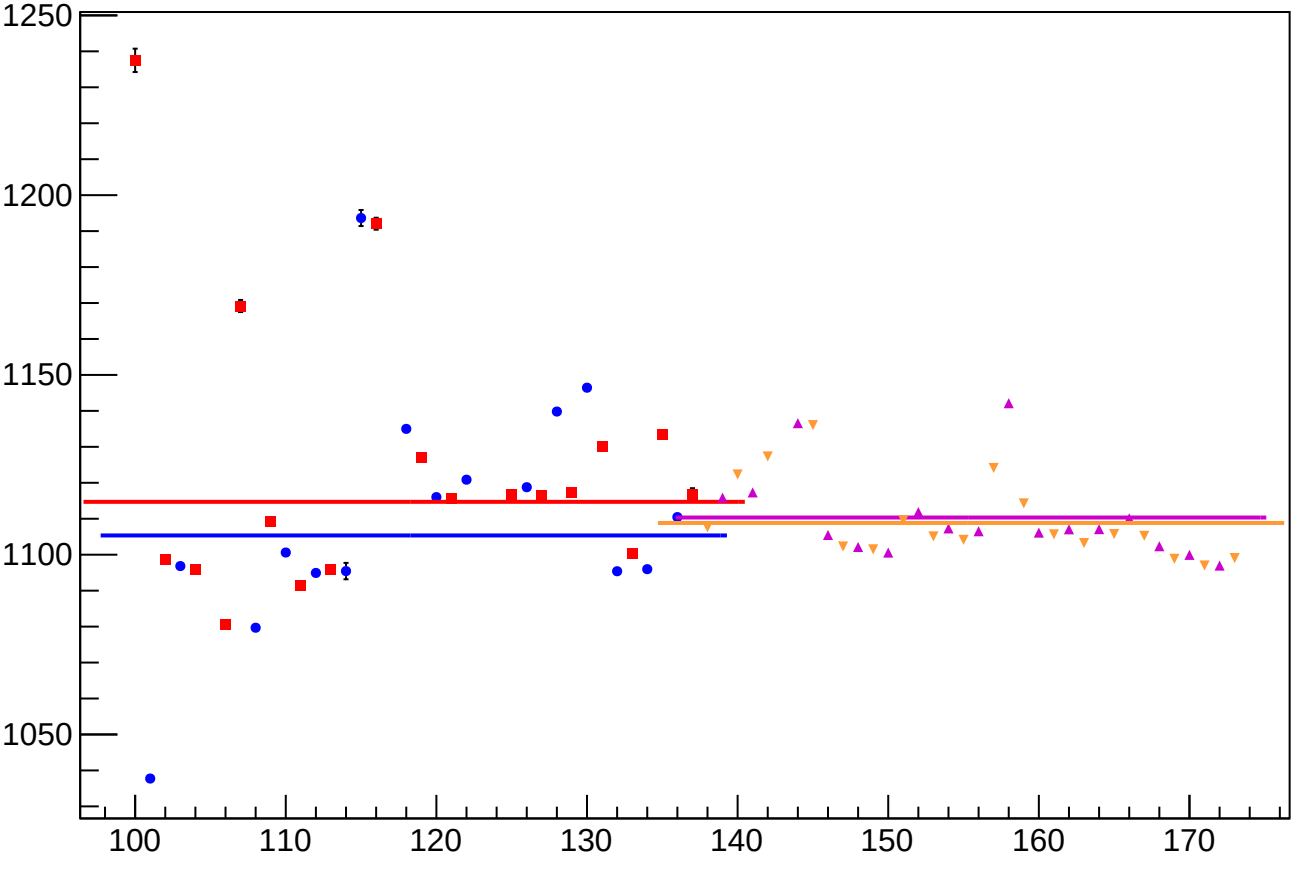
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1773.192+/-240.348 χ^2/NDF:24.3/32

Out: 1796.608+/-239.150 χ^2/NDF:27.5/35

All: 1784.959+/-169.527 χ^2/NDF: 51.7/68

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1108.828+/-0.208 χ^2/NDF:2473.0/17

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.3/17

Left In: 1110.340+/-0.210 χ^2/NDF:3268.1/16

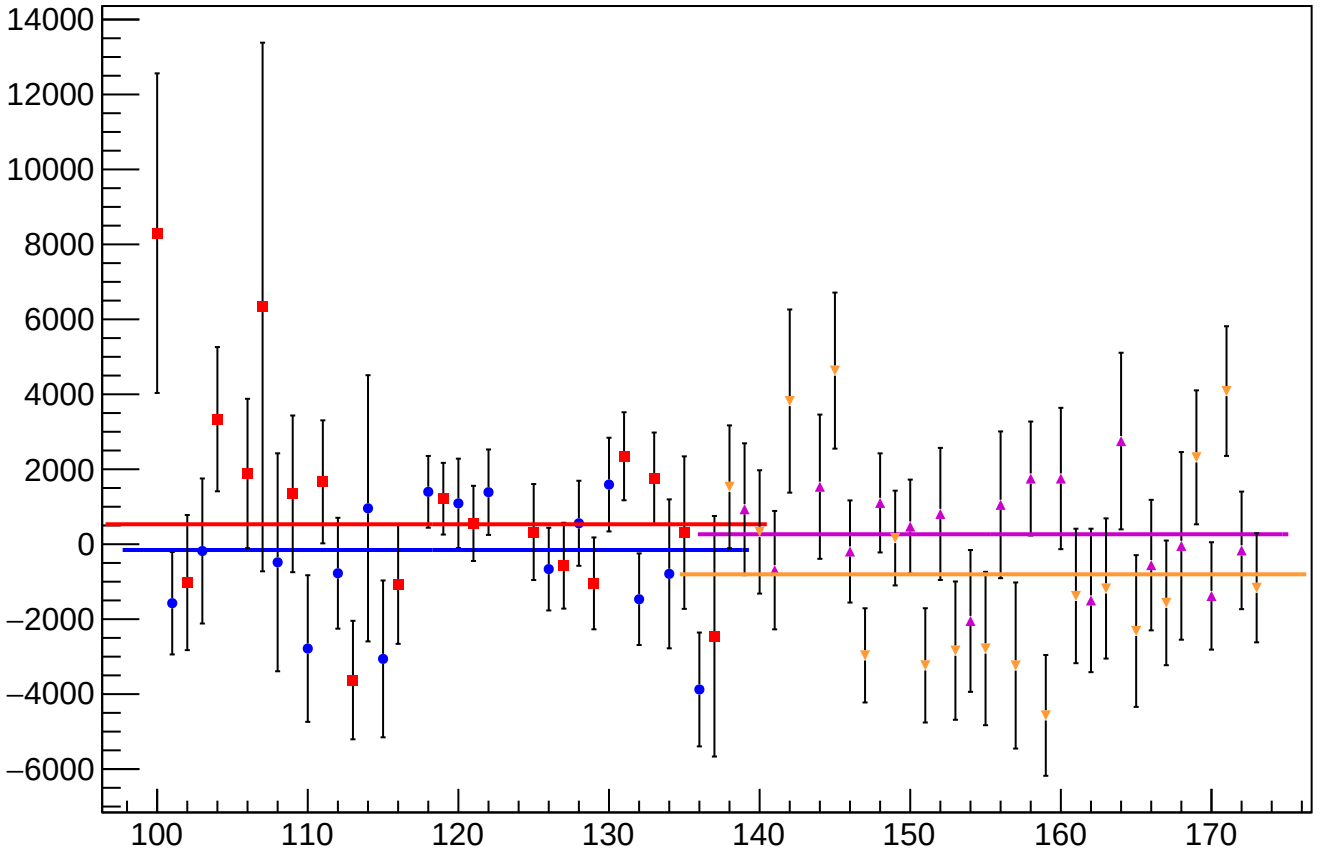
Left: 1109.578+/-0.148 χ^2/NDF: 5767.3/34

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

In: 1108.633+/-0.170 χ^2/NDF:14792.7/32

Out: 1110.820+/-0.169 χ^2/NDF:10073.9/35

All: 1109.732+/-0.120 χ^2/NDF: 24949.8/68



Right In: -153.999+/-351.318 χ^2/NDF: 20.5/15

Left Out: -803.224+/-399.323 χ^2/NDF:39.8/17

Right Out: 532.155+/-350.407 χ^2/NDF: 23.2/17

Left In: 265.684+/-403.105 χ^2/NDF:8.4/16

Left: -273.808+/-283.692 χ^2/NDF: 51.8/34

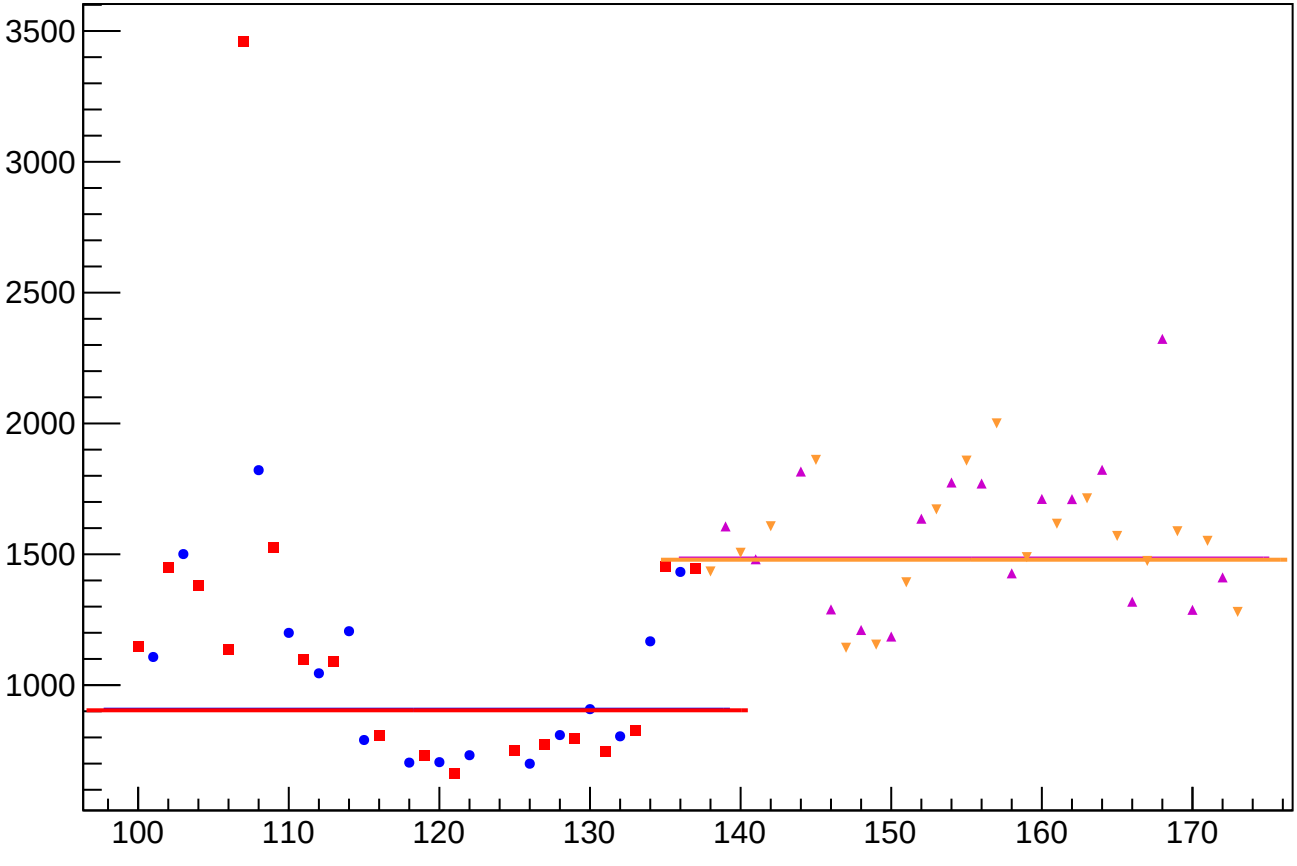
Right: 189.968+/-248.097 χ^2/NDF: 45.6/33

In: 27.168+/-264.849 χ^2/NDF:29.5/32

Out: -48.777+/-263.381 χ^2/NDF:69.4/35

All: -11.015+/-186.755 χ^2/NDF: 98.9/68

asym_usl_dit_correction_rms vs Slug, Sign Corrected



Right In: 906.036+/-0.248 χ^2/NDF: 1079435.1/15

Left Out: 1479.266+/-0.282 χ^2/NDF:652796.3/17

Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

Left In: 1483.821+/-0.285 χ^2/NDF:799959.5/16

Left: 1481.522+/-0.201 χ^2/NDF: 1452884.7/34

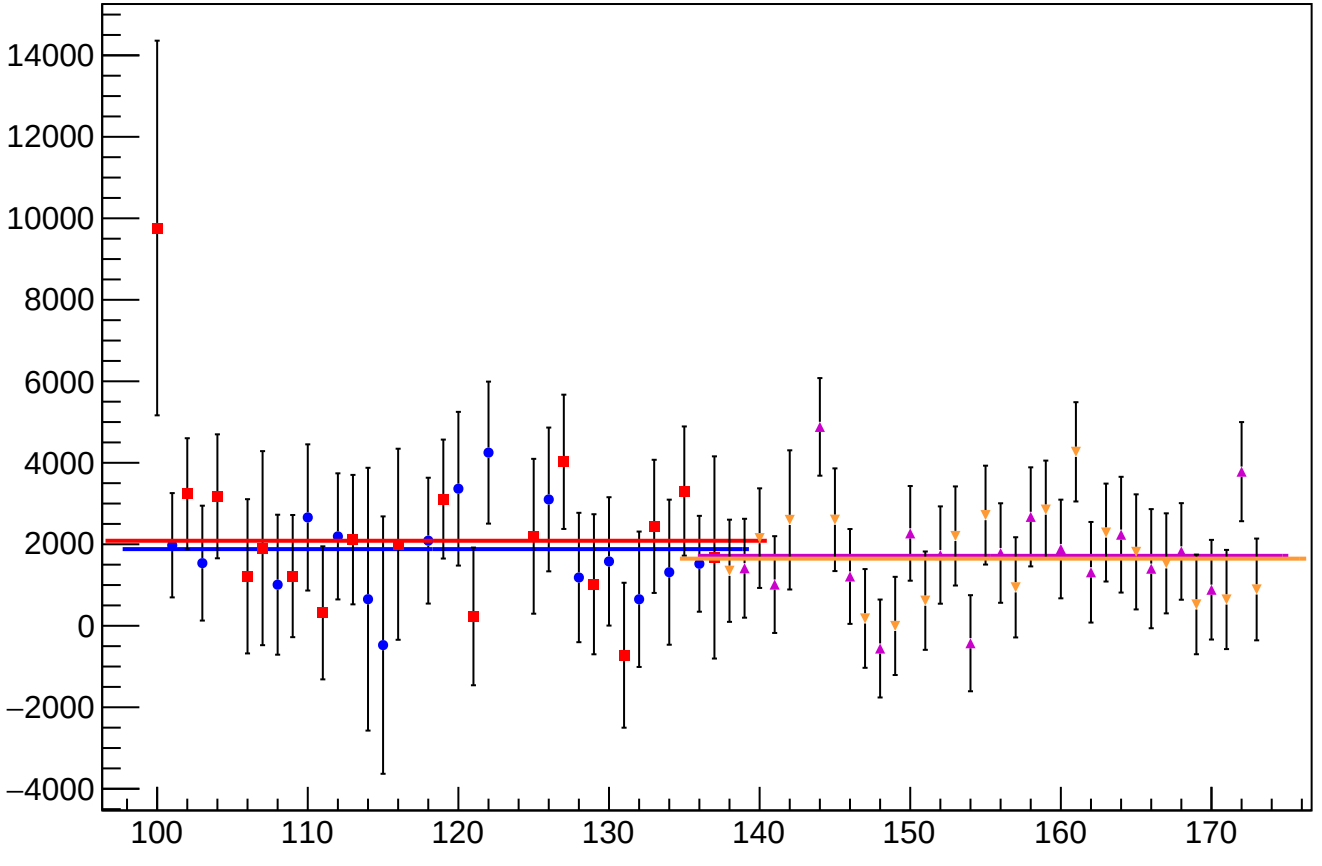
Right: 904.892+/-0.175 χ^2/NDF: 2419459.6/33

In: 1155.452+/-0.187 χ^2/NDF:4214583.6/32

Out: 1154.119+/-0.186 χ^2/NDF:4339790.5/35

All: 1154.782+/-0.132 χ^2/NDF: 8554399.6/68

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1881.523+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1647.778+/-294.136 χ^2/NDF:14.3/17

Right Out: 2086.884+/-410.785 χ^2/NDF: 12.4/17

Left In: 1716.769+/-296.404 χ^2/NDF:19.0/16

Left: 1682.009+/-208.783 χ^2/NDF: 33.3/34

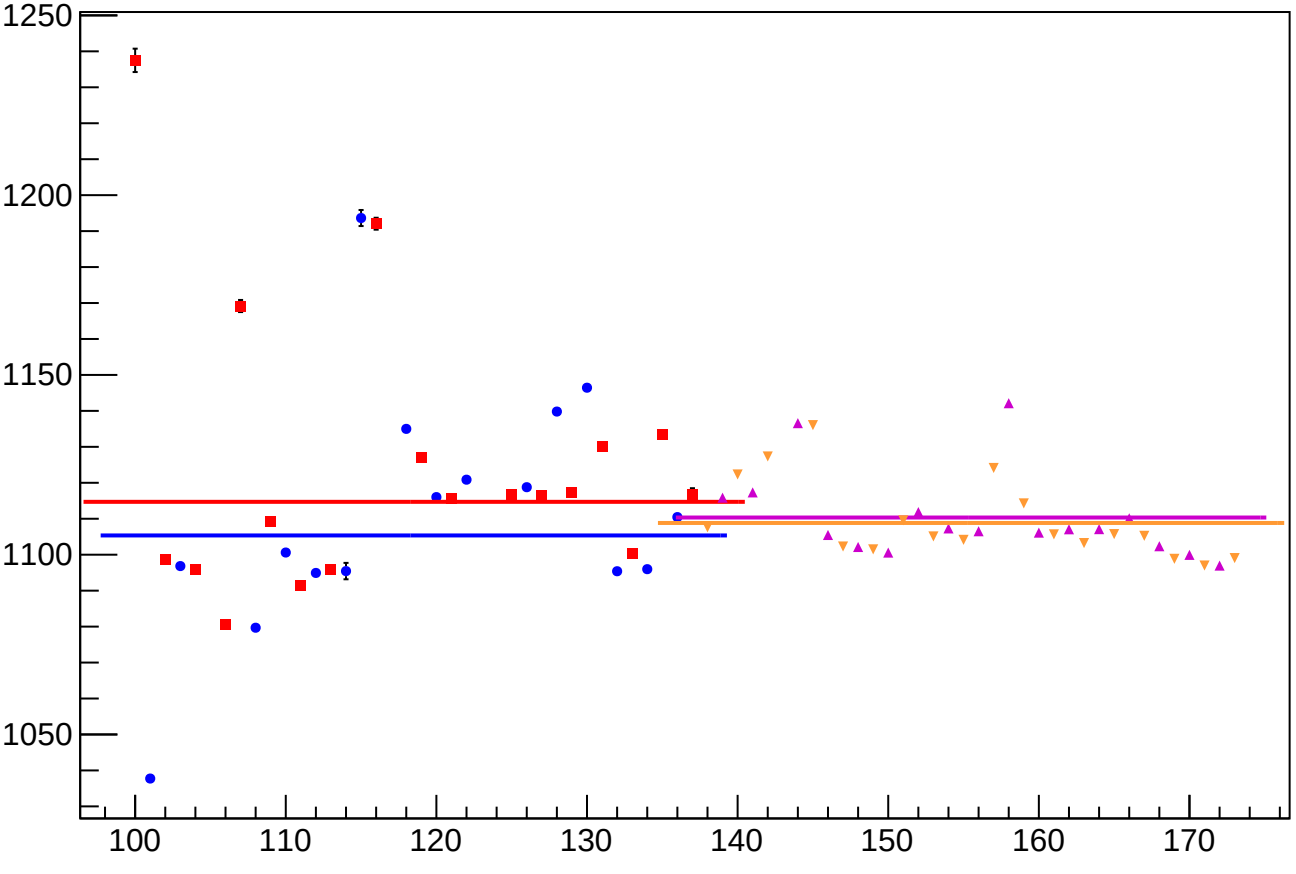
Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

In: 1773.193+/-240.348 χ^2/NDF:24.3/32

Out: 1796.605+/-239.150 χ^2/NDF:27.5/35

All: 1784.958+/-169.527 χ^2/NDF: 51.7/68

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1105.355+/-0.290 χ^2/NDF: 11330.9/15

Left Out: 1108.828+/-0.208 χ^2/NDF:2473.0/17

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

Left In: 1110.340+/-0.210 χ^2/NDF:3268.1/16

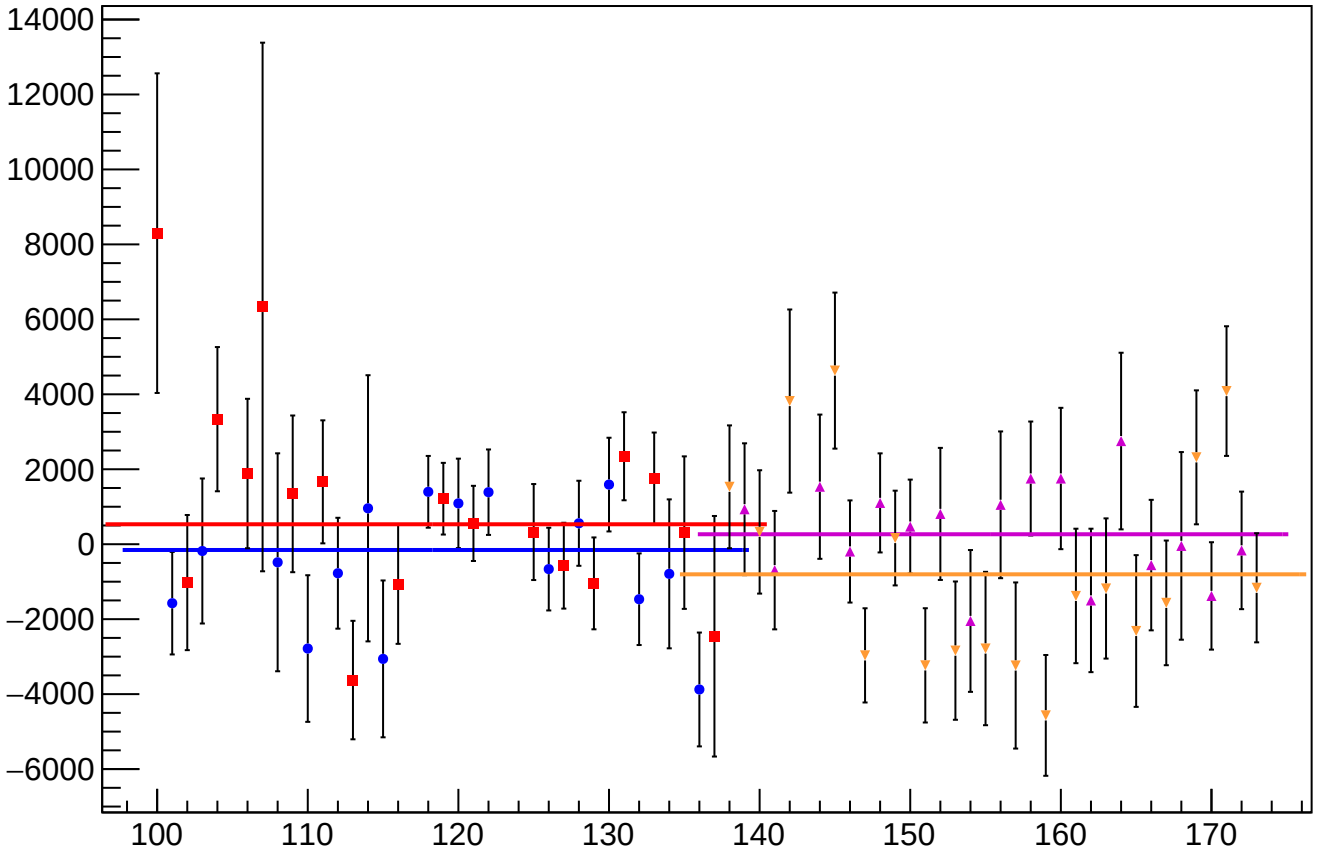
Left: 1109.578+/-0.148 χ^2/NDF: 5767.3/34

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

In: 1108.633+/-0.170 χ^2/NDF:14792.7/32

Out: 1110.820+/-0.169 χ^2/NDF:10073.9/35

All: 1109.732+/-0.120 χ^2/NDF: 24949.8/68



Right In: -153.998+/-351.317 χ^2/NDF: 20.5/15

Left Out: -803.228+/-399.324 χ^2/NDF:39.8/17

Right Out: 532.154+/-350.406 χ^2/NDF: 23.2/17

Left In: 265.685+/-403.106 χ^2/NDF:8.4/16

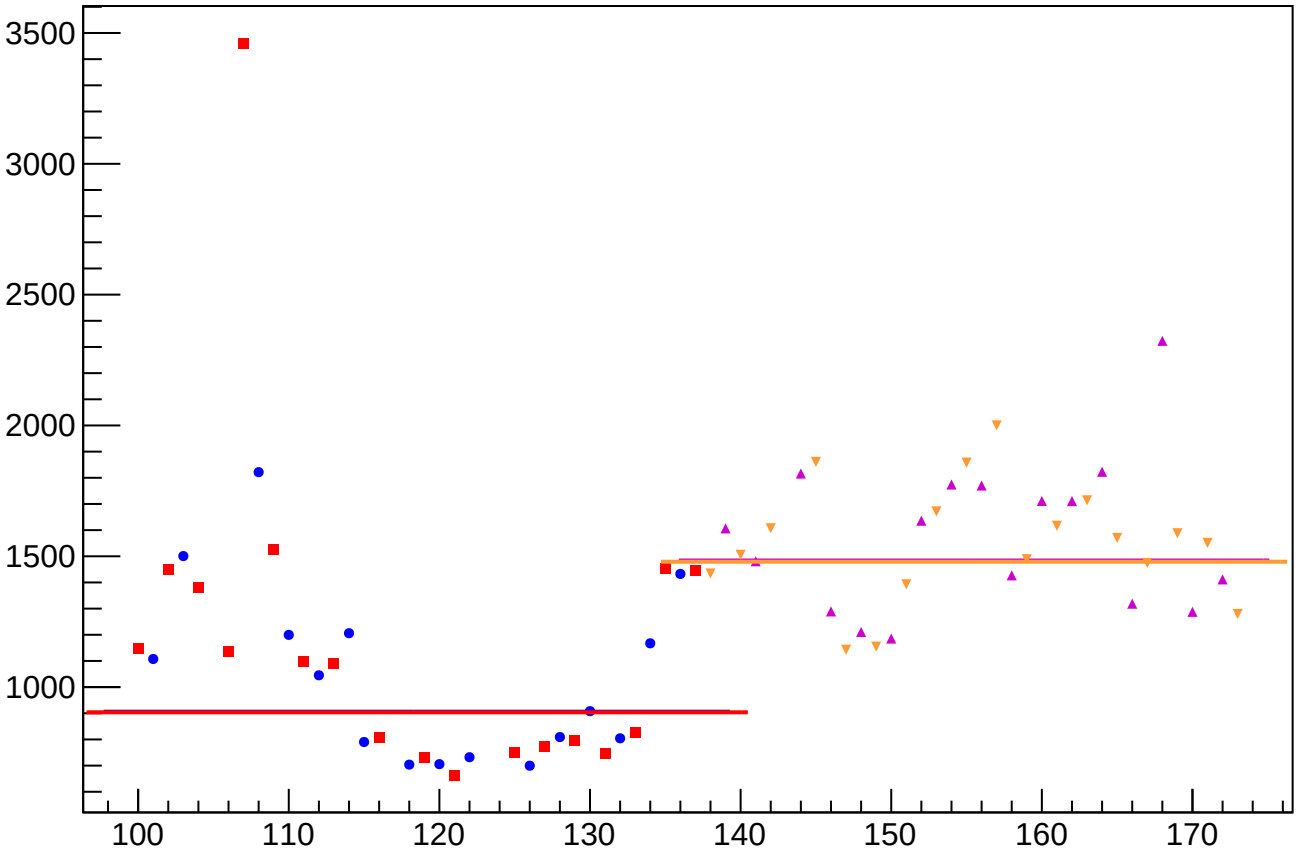
Left: -273.809+/-283.692 χ^2/NDF: 51.8/34

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

In: 27.169+/-264.848 χ^2/NDF:29.5/32

Out: -48.777+/-263.381 χ^2/NDF:69.4/35

All: -11.015+/-186.755 χ^2/NDF: 98.9/68



Right In: 906.034+/-0.248 χ^2/NDF: 1079440.1/15

Left Out: 1479.268+/-0.282 χ^2/NDF:652793.0/17

Right Out: 903.751+/-0.248 χ^2/NDF: 1339985.4/17

Left In: 1483.823+/-0.285 χ^2/NDF:799956.3/16

Left: 1481.524+/-0.201 χ^2/NDF: 1452878.2/34

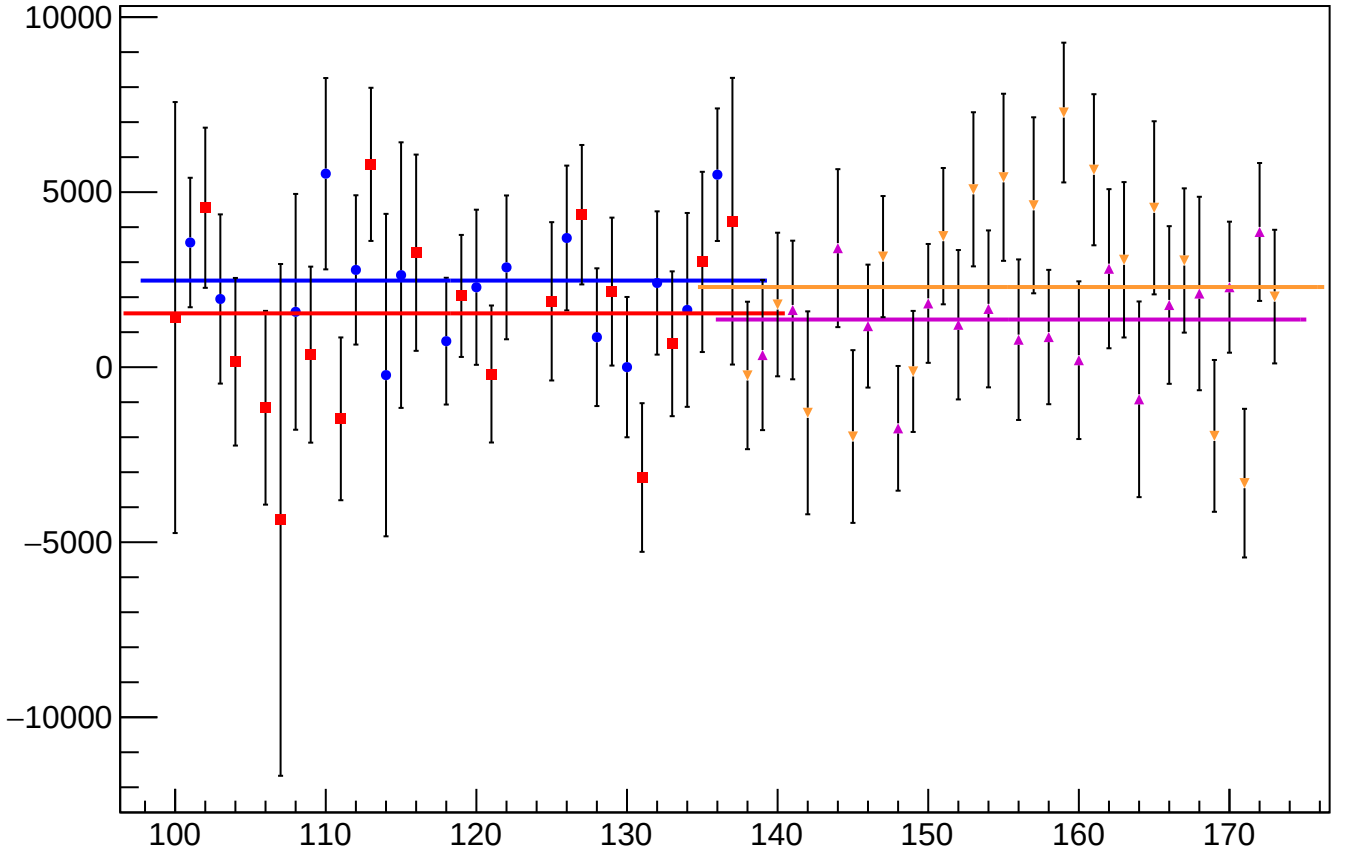
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 1155.451+/-0.187 χ^2/NDF:4214615.0/32

Out: 1154.118+/-0.186 χ^2/NDF:4339822.9/35

All: 1154.781+/-0.132 χ^2/NDF: 8554463.4/68

asym_usl_mean vs Slug, Sign Corrected



Right In: 2474.066+/-562.796 χ^2/NDF: 8.2/15

Left Out: 2289.757+/-500.273 χ^2/NDF:33.5/17

Right Out: 1537.435+/-563.556 χ^2/NDF: 18.5/17

Left In: 1361.335+/-504.703 χ^2/NDF:7.6/16

Left: 1829.639+/-355.302 χ^2/NDF: 42.9/34

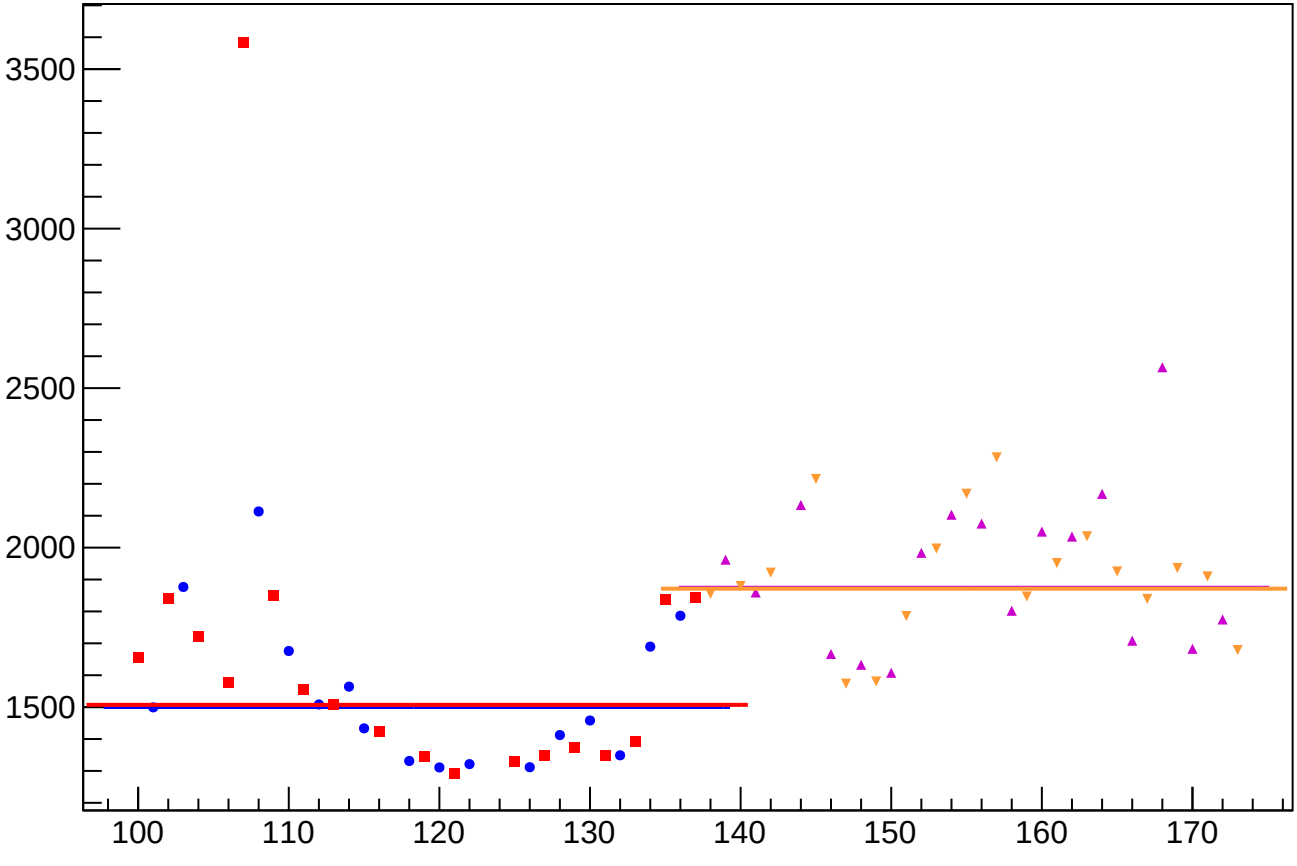
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1857.325+/-375.744 χ^2/NDF:18.0/32

Out: 1958.191+/-374.128 χ^2/NDF:53.1/35

All: 1907.976+/-265.118 χ^2/NDF: 71.1/68

asym_usl_rms vs Slug, Sign Corrected



Right In: 1500.377+/-0.398 χ^2/NDF: 258792.8/15

Left Out: 1871.284+/-0.354 χ^2/NDF:288795.6/17

Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1874.196+/-0.357 χ^2/NDF:394679.7/16

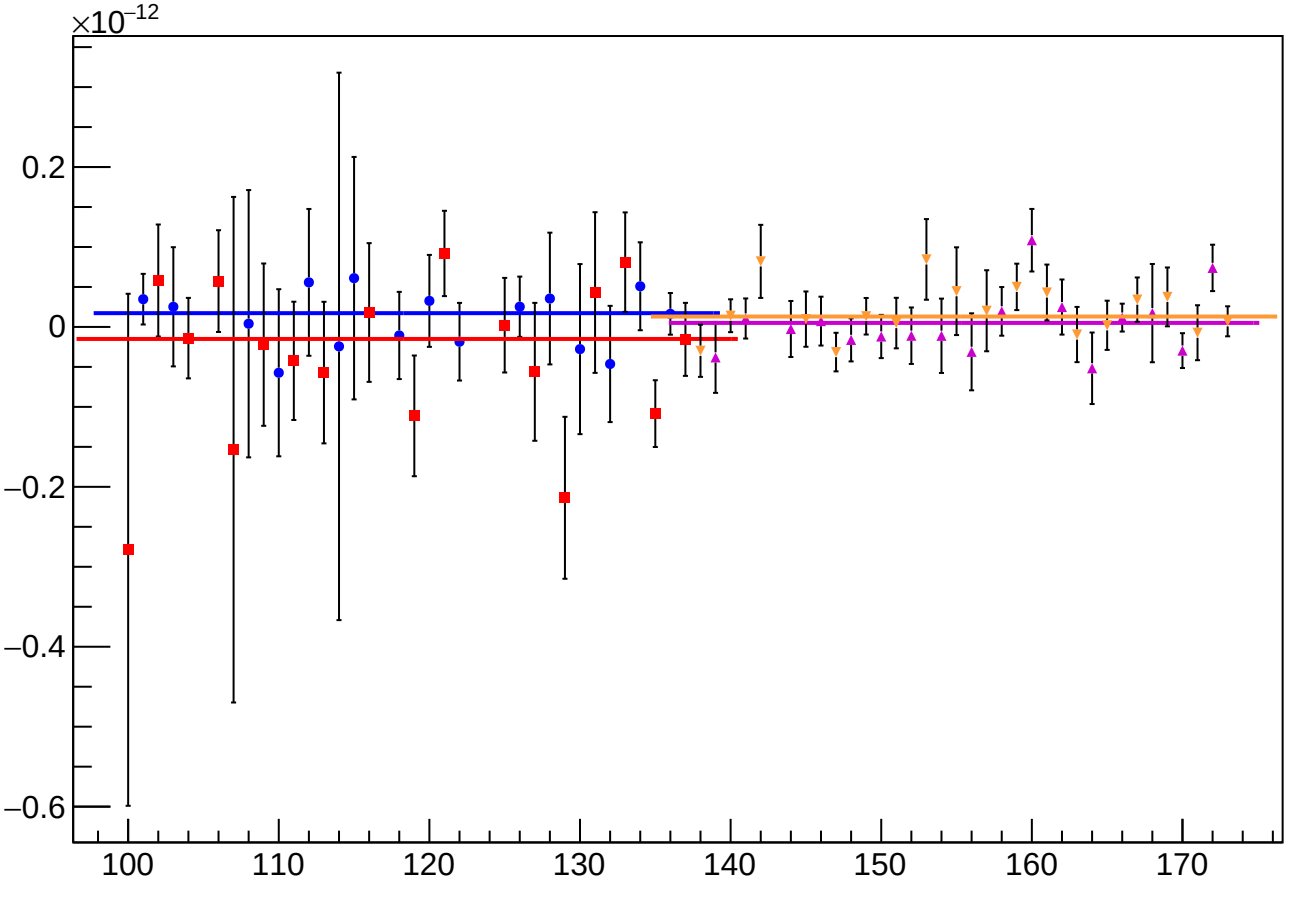
Left: 1872.727+/-0.251 χ^2/NDF: 683508.8/34

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

In: 1707.569+/-0.266 χ^2/NDF:1142532.5/32

Out: 1710.778+/-0.265 χ^2/NDF:1157143.3/35

All: 1709.181+/-0.187 χ^2/NDF: 2299749.0/68



Right In: 0.000+/-0.000 χ^2/NDF: 3.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/17

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: 0.000+/-0.000 χ^2/NDF:20.4/16

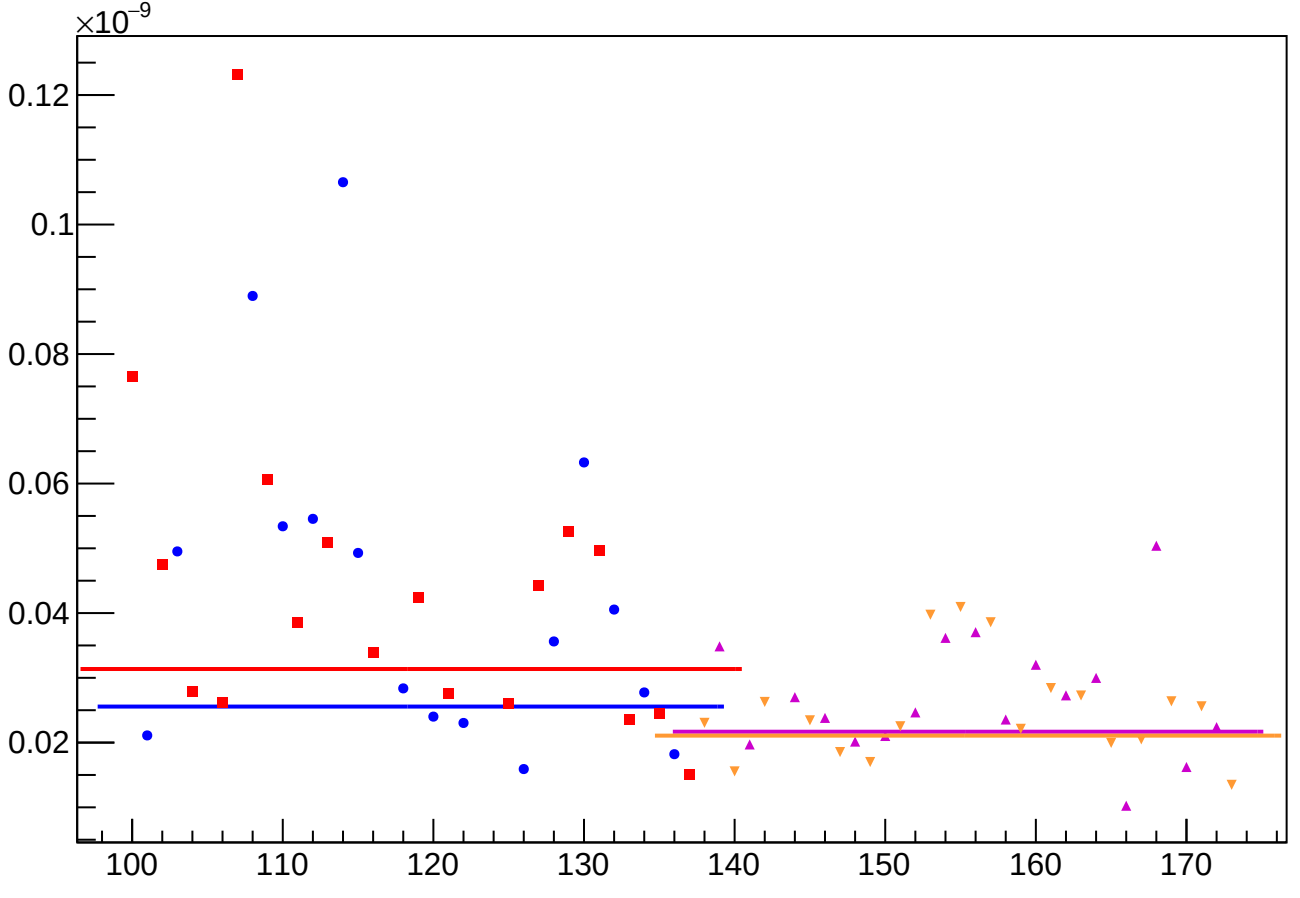
Left: 0.000+/-0.000 χ^2/NDF: 35.3/34

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:24.5/32

Out: 0.000+/-0.000 χ^2/NDF:38.1/35

All: 0.000+/-0.000 χ^2/NDF: 62.5/68



Right In: 0.000+/-0.000 χ^2/NDF: 1707801.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1614683.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1228078.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2356936.5/16

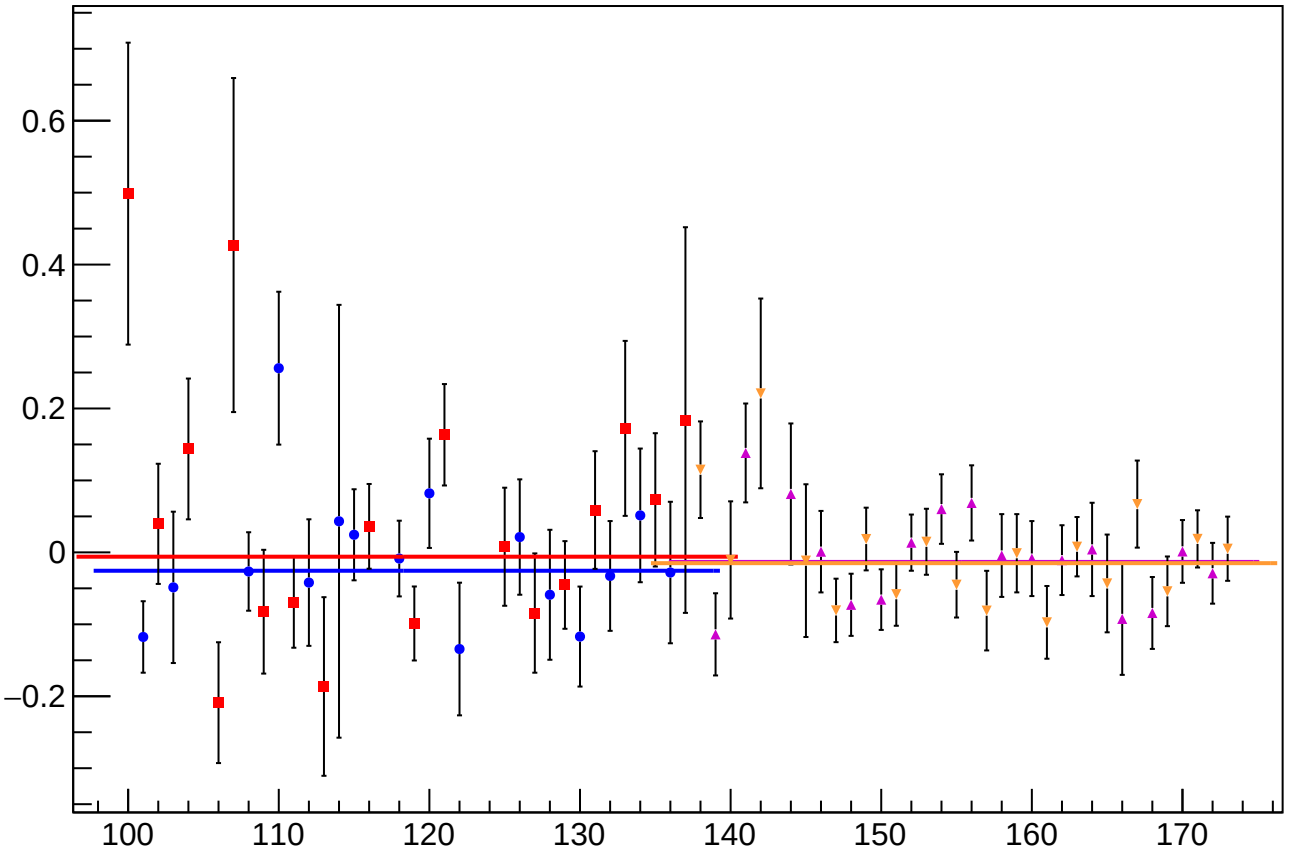
Left: 0.000+/-0.000 χ^2/NDF: 3978635.2/34

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

In: 0.000+/-0.000 χ^2/NDF:4191808.6/32

Out: 0.000+/-0.000 χ^2/NDF:3527868.5/35

All: 0.000+/-0.000 χ^2/NDF: 7720349.3/68



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.015+/-0.012 χ^2/NDF:19.6/17

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.013+/-0.012 χ^2/NDF:21.1/16

Left: -0.014+/-0.009 χ^2/NDF: 40.7/34

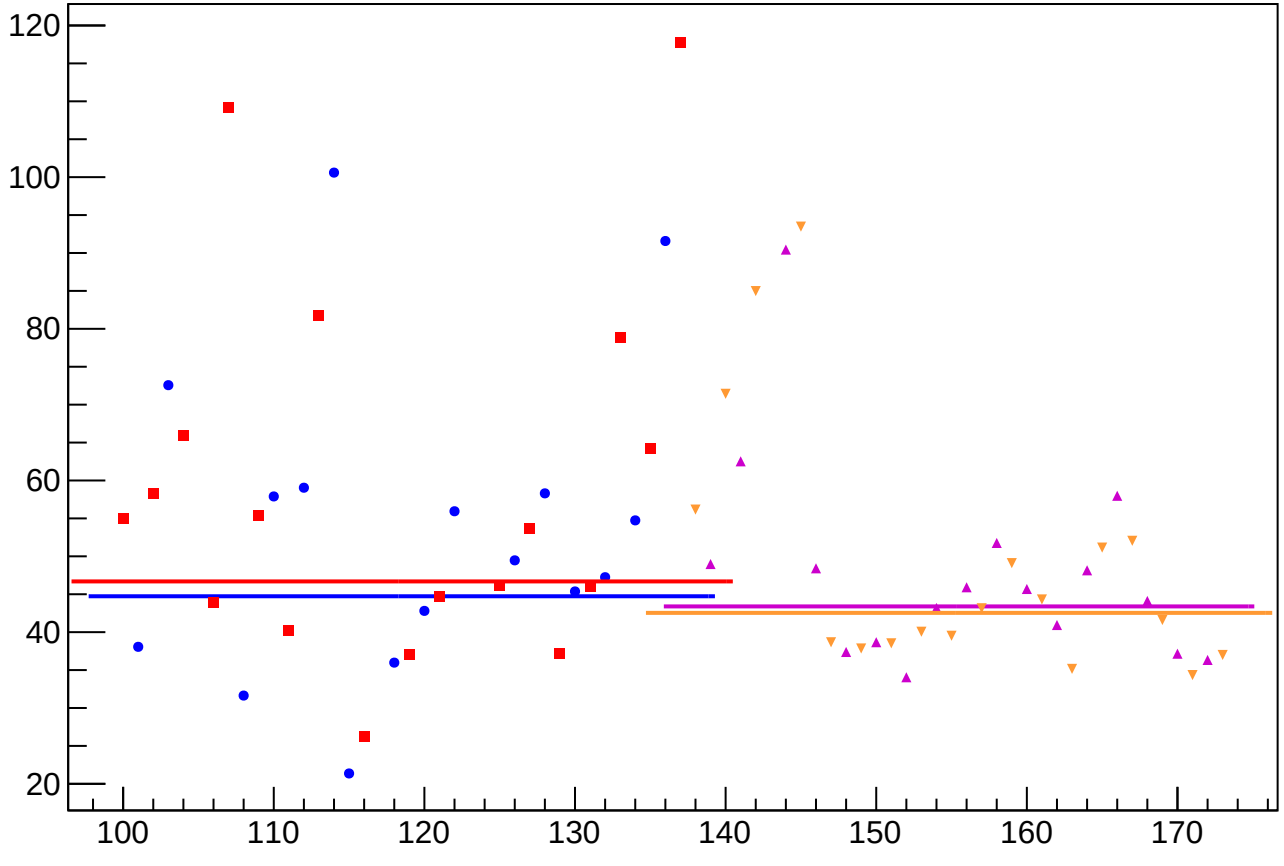
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.017+/-0.010 χ^2/NDF:39.0/32

Out: -0.012+/-0.010 χ^2/NDF:56.3/35

All: -0.015+/-0.007 χ^2/NDF: 95.4/68

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: 42.543+/-0.009 χ^2/NDF:1365530.2/17

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 43.394+/-0.009 χ^2/NDF:1063481.5/16

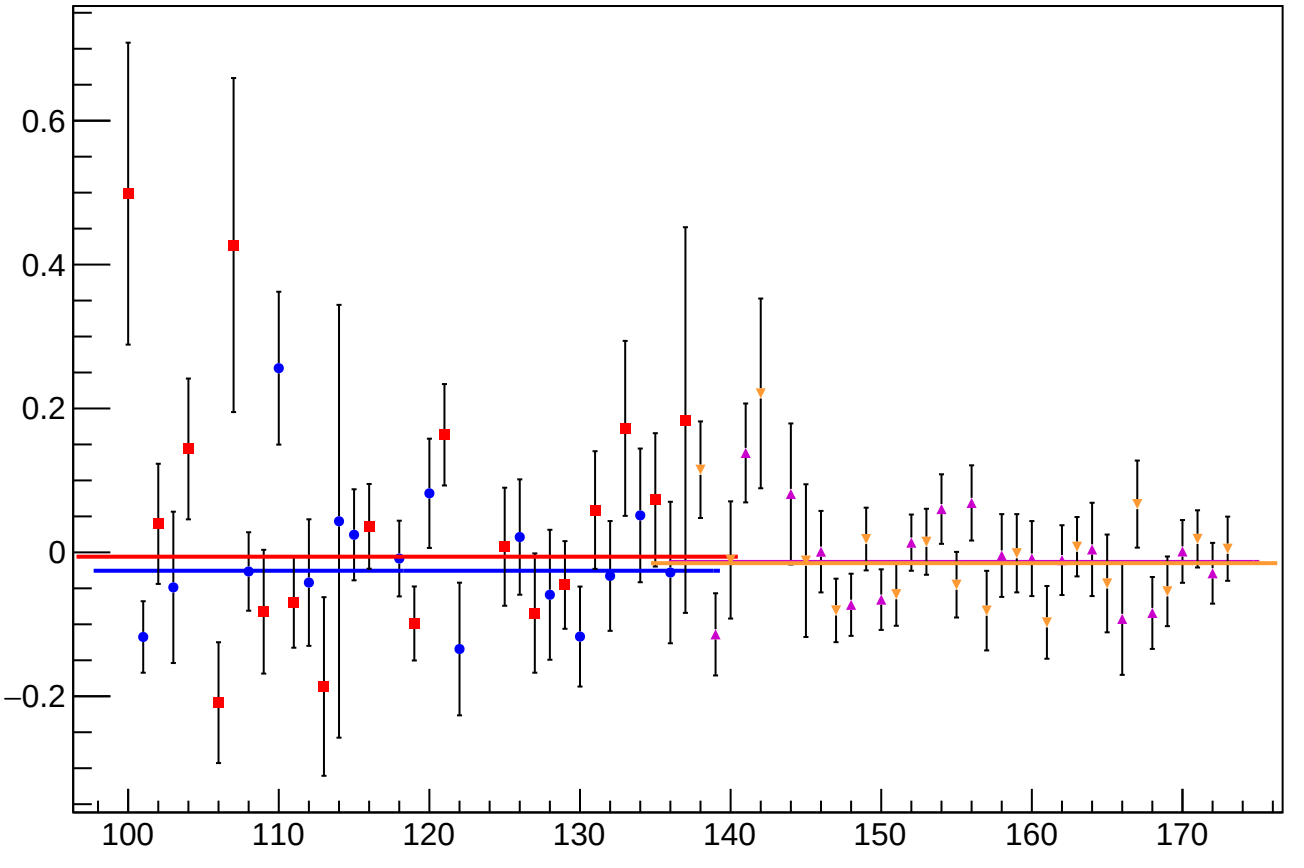
Left: 42.960+/-0.006 χ^2/NDF: 2433790.6/34

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

In: 43.803+/-0.007 χ^2/NDF:2405094.5/32

Out: 43.718+/-0.007 χ^2/NDF:2626560.3/35

All: 43.760+/-0.005 χ^2/NDF: 5031722.1/68



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.015+/-0.012 χ^2/NDF:19.6/17

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.013+/-0.012 χ^2/NDF:21.1/16

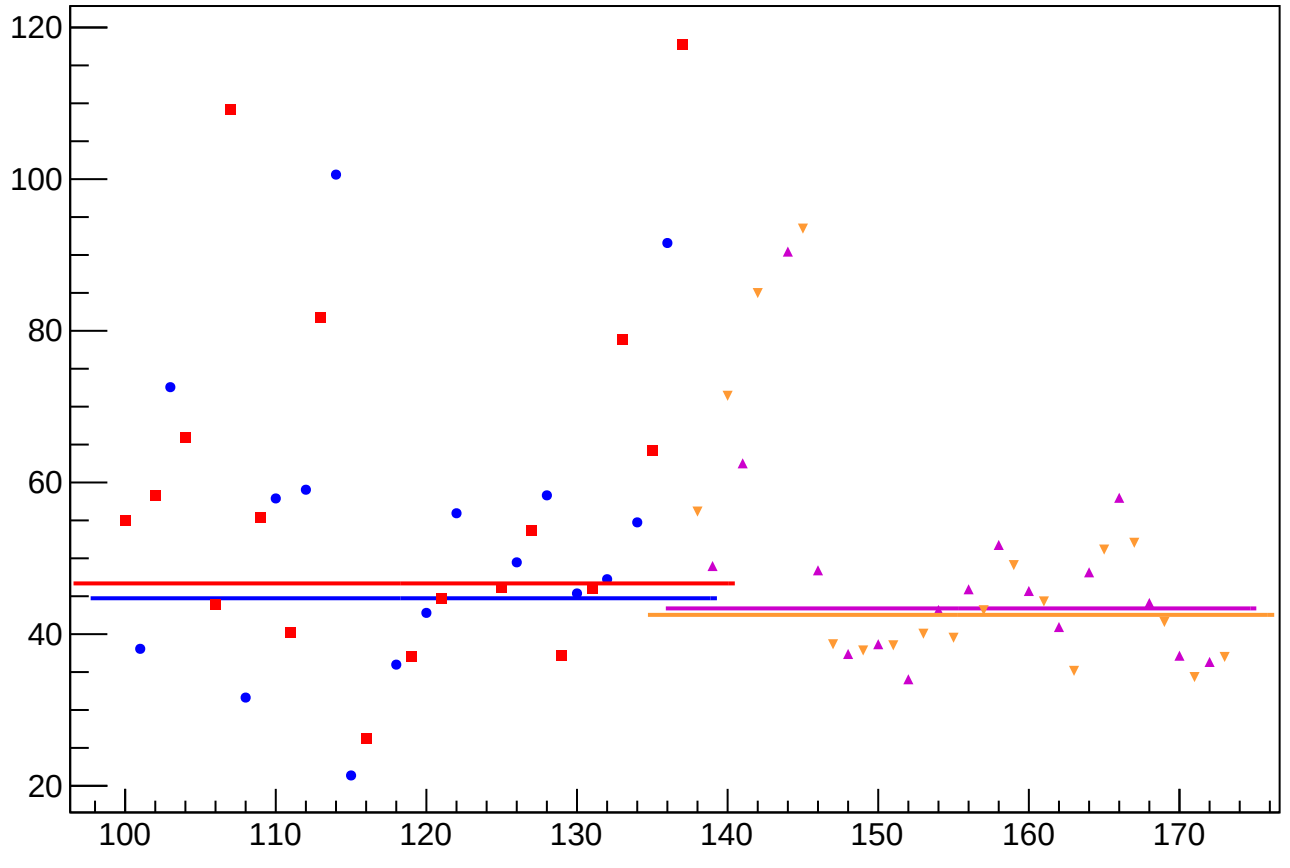
Left: -0.014+/-0.009 χ^2/NDF: 40.7/34

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

In: -0.017+/-0.010 χ^2/NDF:39.0/32

Out: -0.012+/-0.010 χ^2/NDF:56.3/35

All: -0.015+/-0.007 χ^2/NDF: 95.4/68



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 42.543+/-0.009 χ^2/NDF:1365530.2/17

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 43.394+/-0.009 χ^2/NDF:1063481.5/16

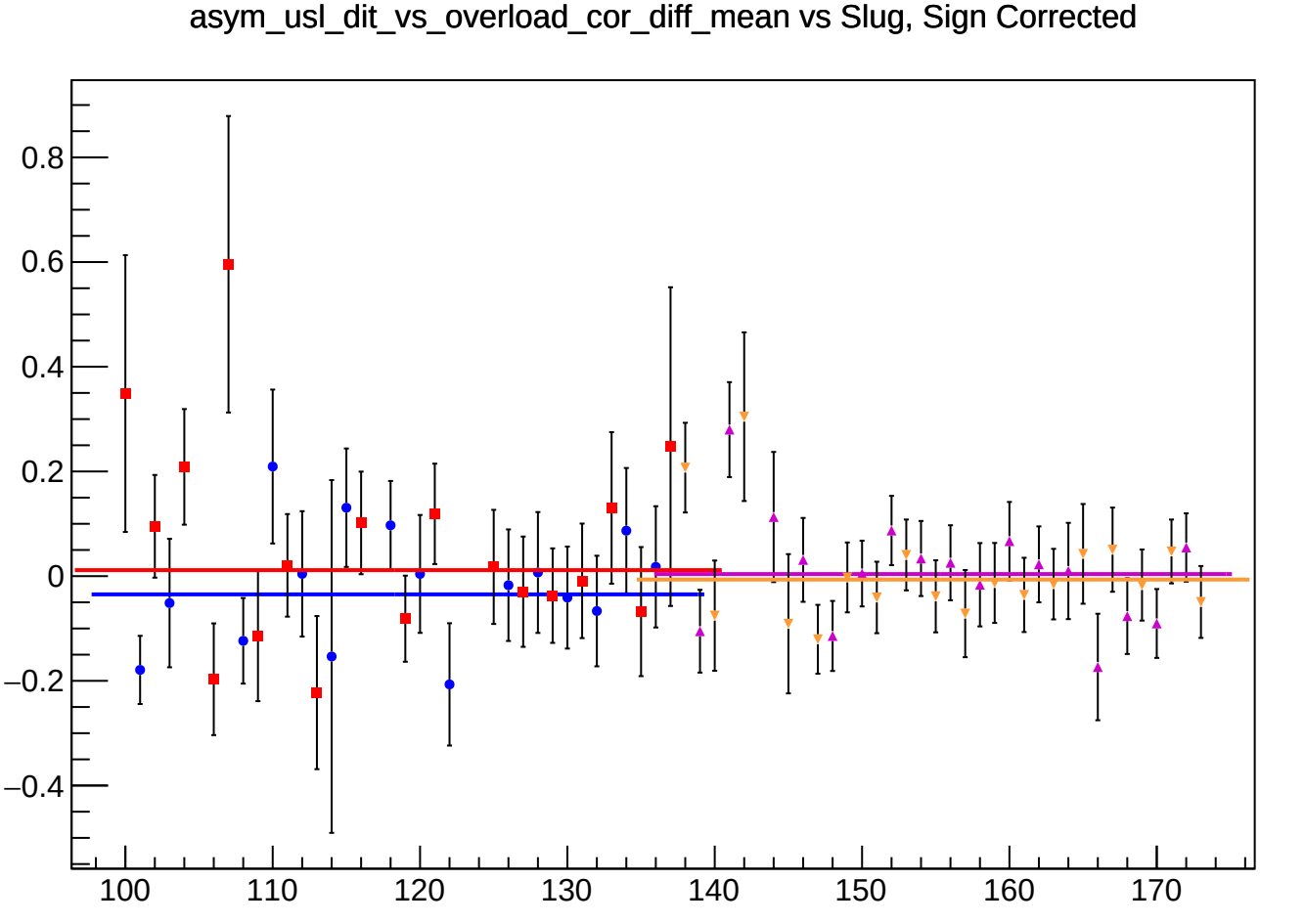
Left: 42.960+/-0.006 χ^2/NDF: 2433790.6/34

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

In: 43.803+/-0.007 χ^2/NDF:2405094.5/32

Out: 43.718+/-0.007 χ^2/NDF:2626560.3/35

All: 43.760+/-0.005 χ^2/NDF: 5031722.1/68



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.007+/-0.018 χ^2/NDF:17.5/17

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.004+/-0.018 χ^2/NDF:24.8/16

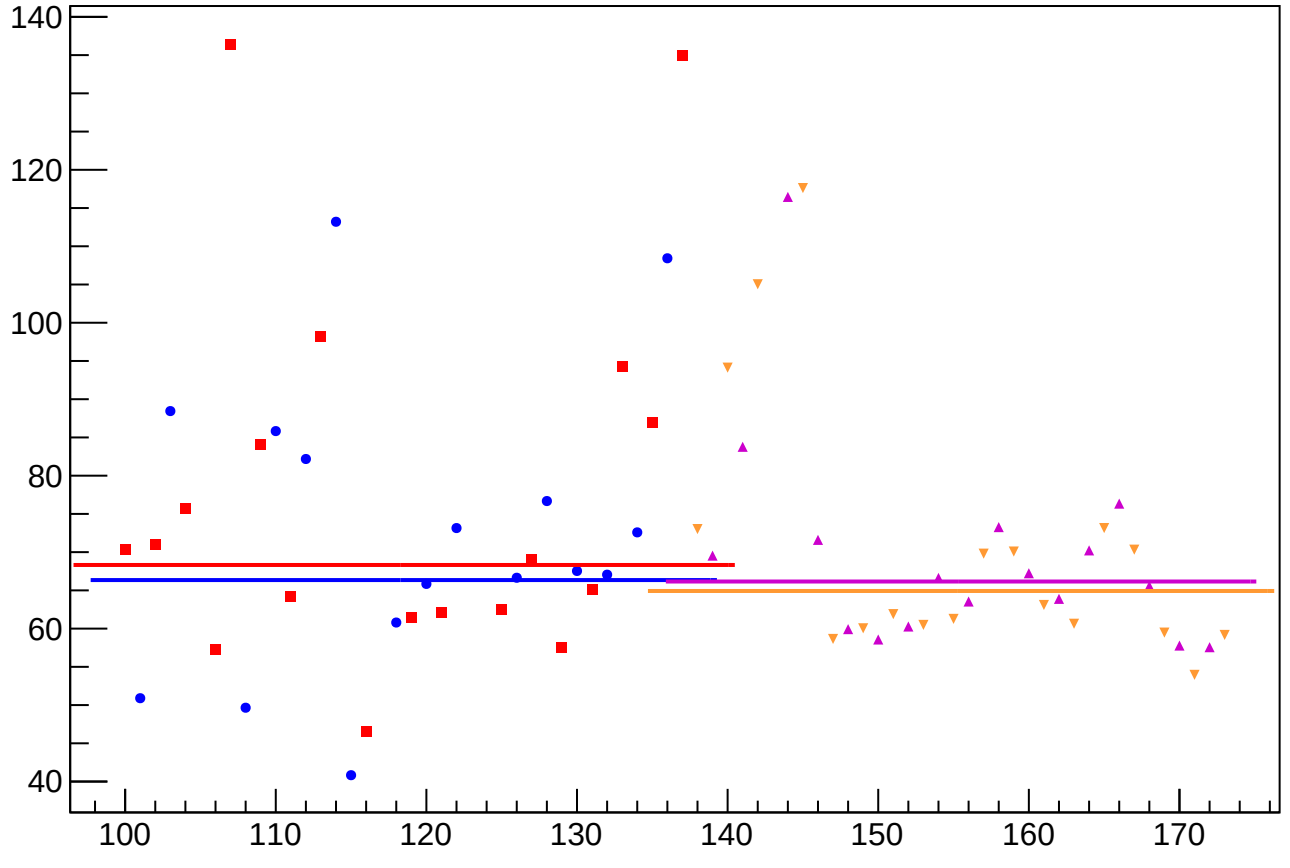
Left: -0.001+/-0.013 χ^2/NDF: 42.5/34

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

In: -0.009+/-0.015 χ^2/NDF:43.7/32

Out: -0.001+/-0.015 χ^2/NDF:40.6/35

All: -0.005+/-0.011 χ^2/NDF: 84.4/68



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 64.921+/-0.013 χ^2/NDF:797636.9/17

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 66.159+/-0.013 χ^2/NDF:590464.0/16

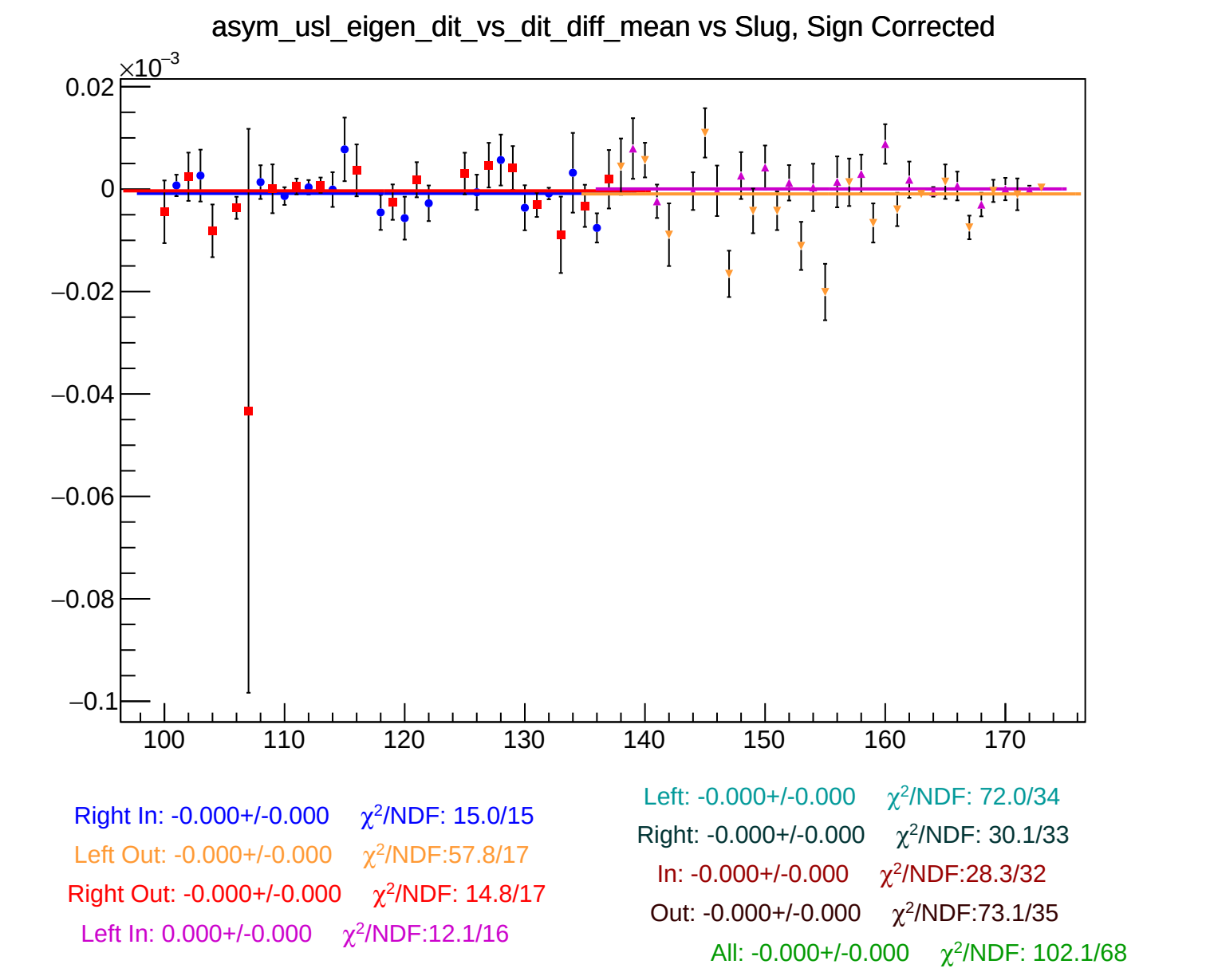
Left: 65.527+/-0.009 χ^2/NDF: 1392784.6/34

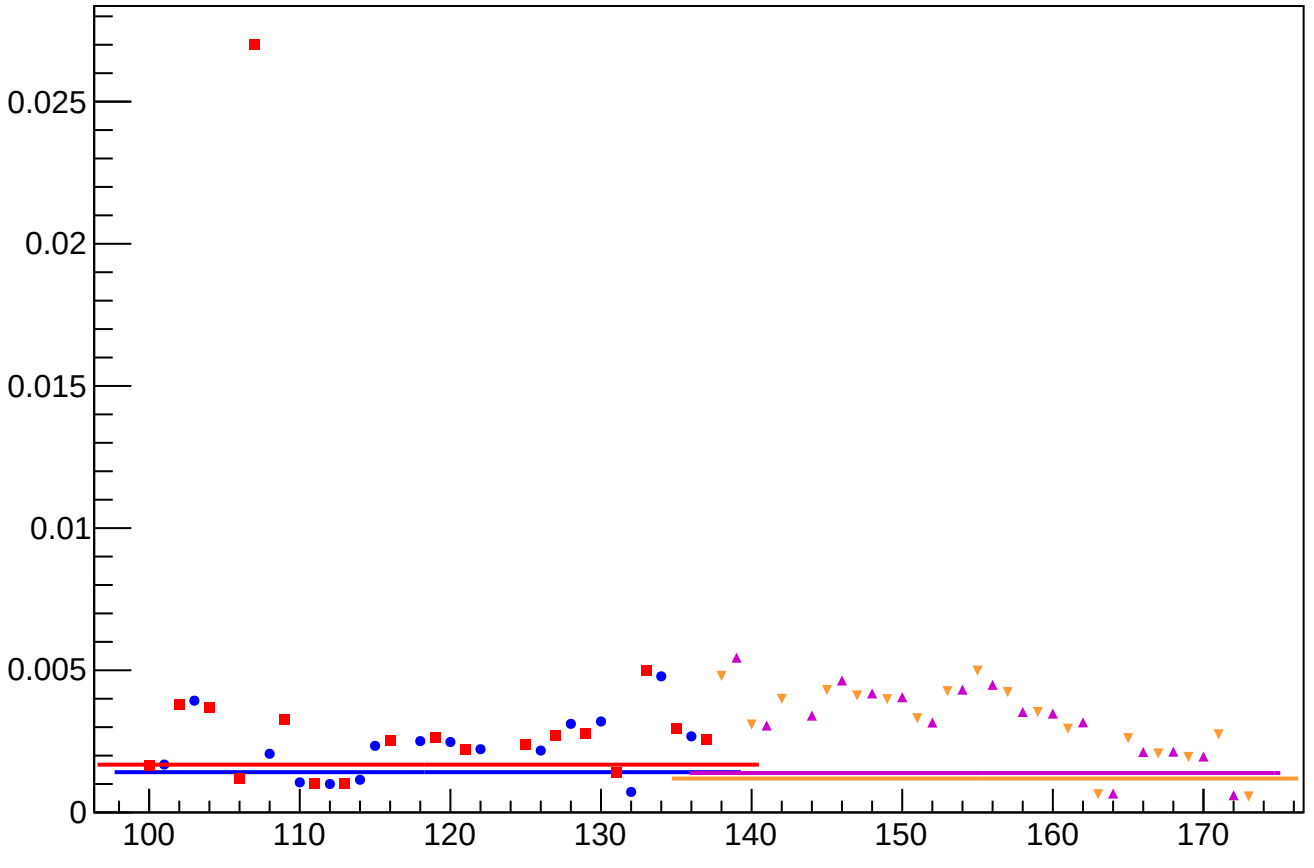
Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 66.221+/-0.011 χ^2/NDF:1363187.2/32

Out: 65.965+/-0.011 χ^2/NDF:1449459.6/35

All: 66.092+/-0.007 χ^2/NDF: 2812939.1/68


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
170
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:57.8/17
Right Out: -0.000+/-0.000 χ²/NDF: 14.8/17
Left In: 0.000+/-0.000 χ²/NDF:12.1/16
Left: -0.000+/-0.000 χ²/NDF: 72.0/34
Right: -0.000+/-0.000 χ²/NDF: 30.1/33
In: -0.000+/-0.000 χ²/NDF:28.3/32
Out: -0.000+/-0.000 χ²/NDF:73.1/35
All: -0.000+/-0.000 χ²/NDF: 102.1/68



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:13154064.8/17

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

Left In: 0.001+/-0.000 χ^2/NDF:11888020.4/16

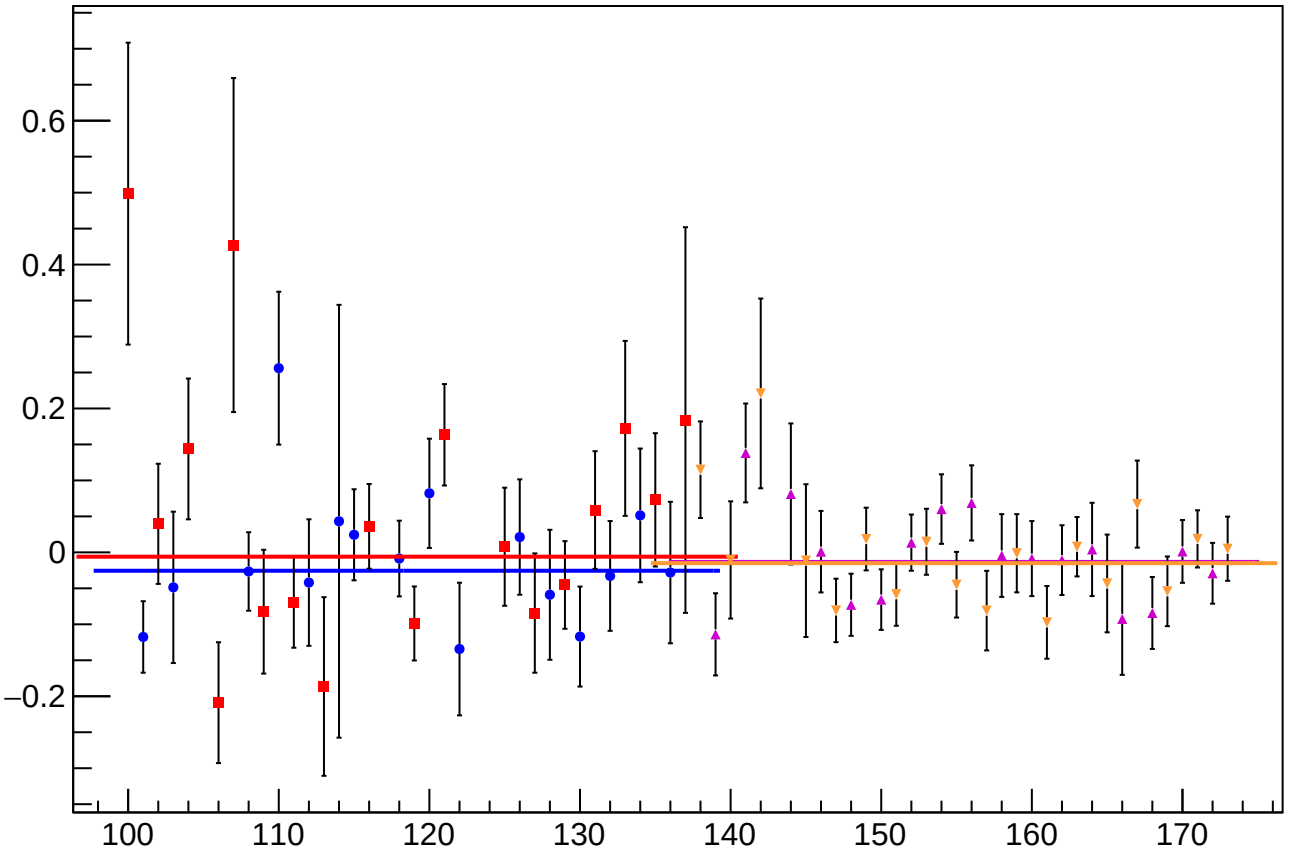
Left: 0.001+/-0.000 χ^2/NDF: 25209304.0/34

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

In: 0.001+/-0.000 χ^2/NDF:15438044.5/32

Out: 0.001+/-0.000 χ^2/NDF:17240623.7/35

All: 0.001+/-0.000 χ^2/NDF: 32714275.6/68



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.015+/-0.012 χ^2/NDF:19.6/17

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.013+/-0.012 χ^2/NDF:21.1/16

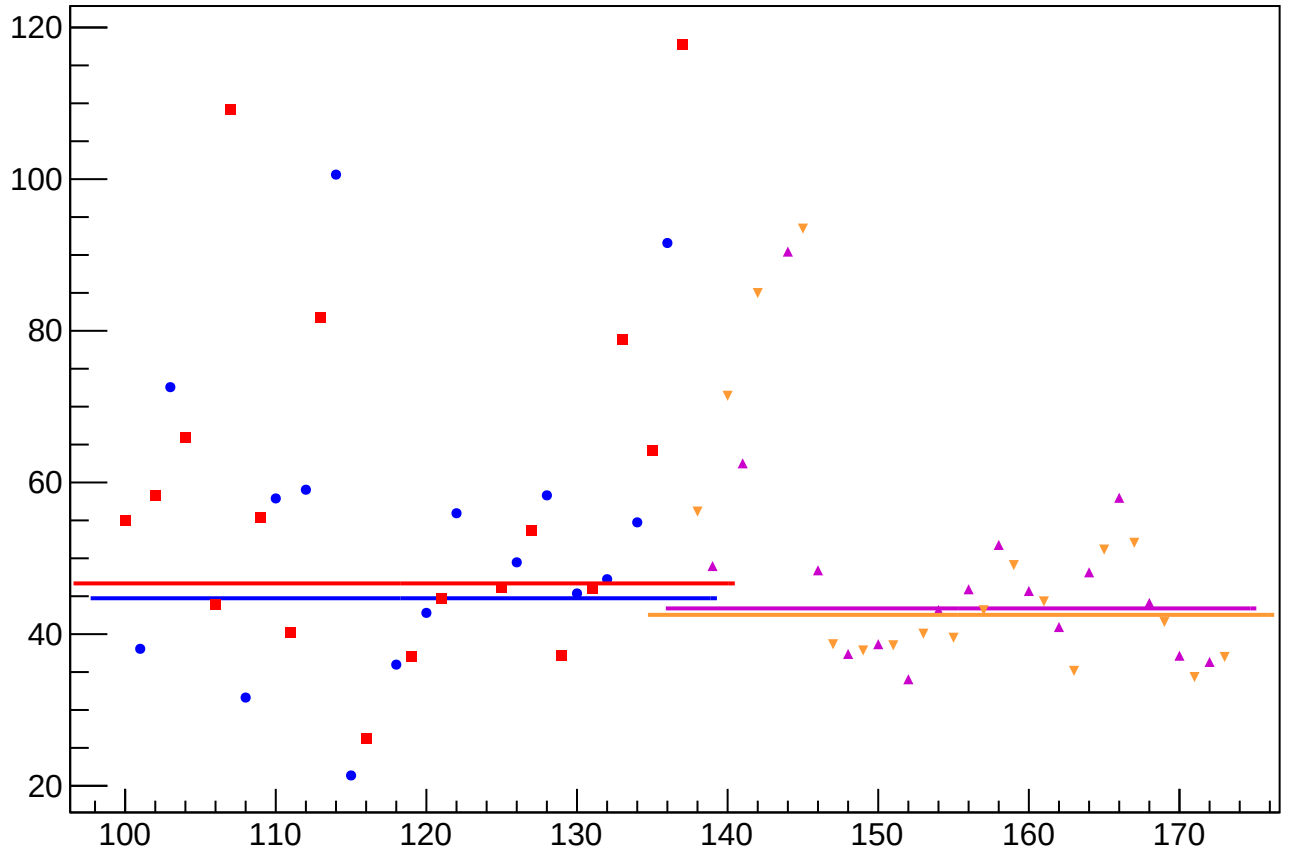
Left: -0.014+/-0.009 χ^2/NDF: 40.7/34

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

In: -0.017+/-0.010 χ^2/NDF:39.0/32

Out: -0.012+/-0.010 χ^2/NDF:56.3/35

All: -0.015+/-0.007 χ^2/NDF: 95.4/68



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 42.544+/-0.009 χ^2/NDF:1365501.1/17

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 43.395+/-0.009 χ^2/NDF:1063457.1/16

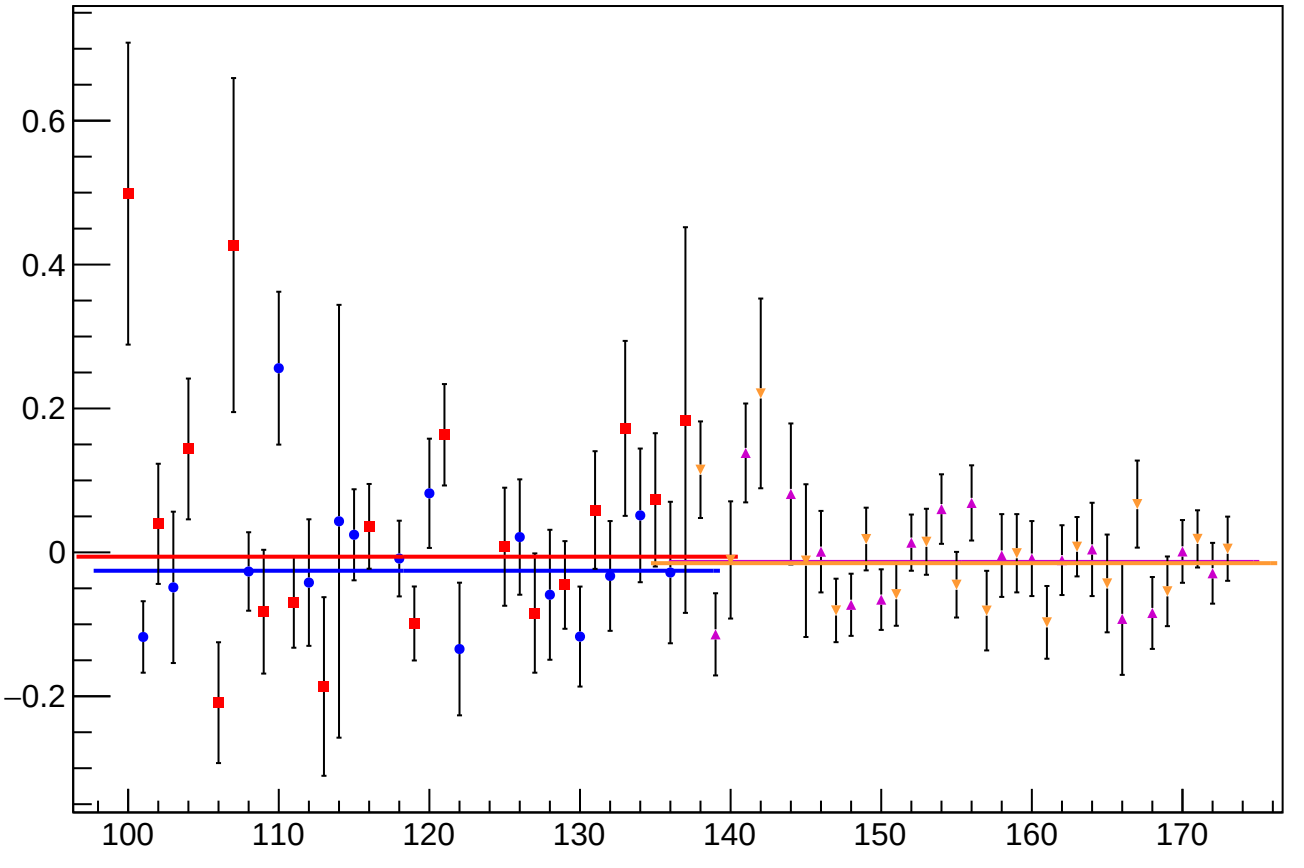
Left: 42.961+/-0.006 χ^2/NDF: 2433737.3/34

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

In: 43.803+/-0.007 χ^2/NDF:2405120.4/32

Out: 43.718+/-0.007 χ^2/NDF:2626536.9/35

All: 43.760+/-0.005 χ^2/NDF: 5031724.5/68



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.015+/-0.012 χ^2/NDF:19.6/17

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.013+/-0.012 χ^2/NDF:21.1/16

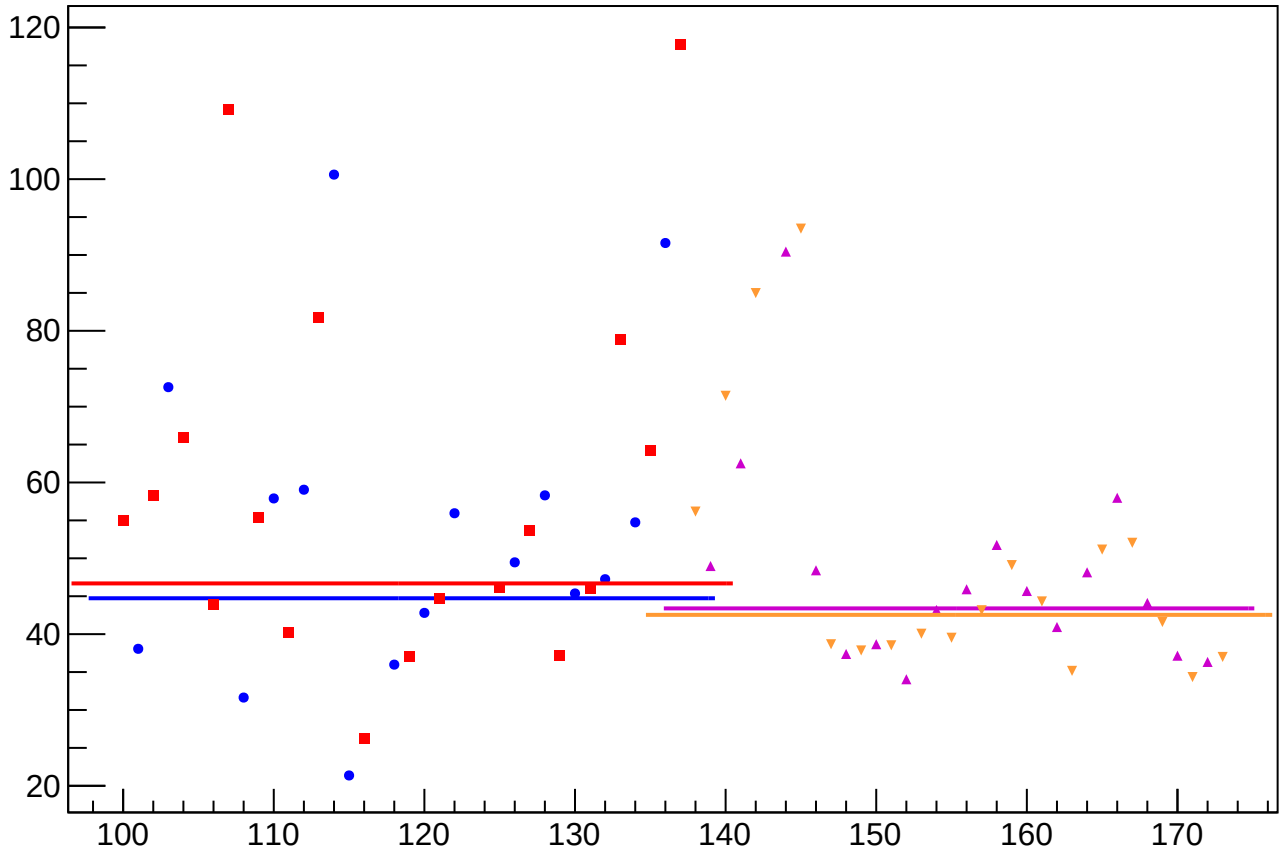
Left: -0.014+/-0.009 χ^2/NDF: 40.7/34

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

In: -0.017+/-0.010 χ^2/NDF:39.0/32

Out: -0.012+/-0.010 χ^2/NDF:56.3/35

All: -0.015+/-0.007 χ^2/NDF: 95.4/68



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 42.544+/-0.009 χ^2/NDF:1365501.1/17

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 43.395+/-0.009 χ^2/NDF:1063457.1/16

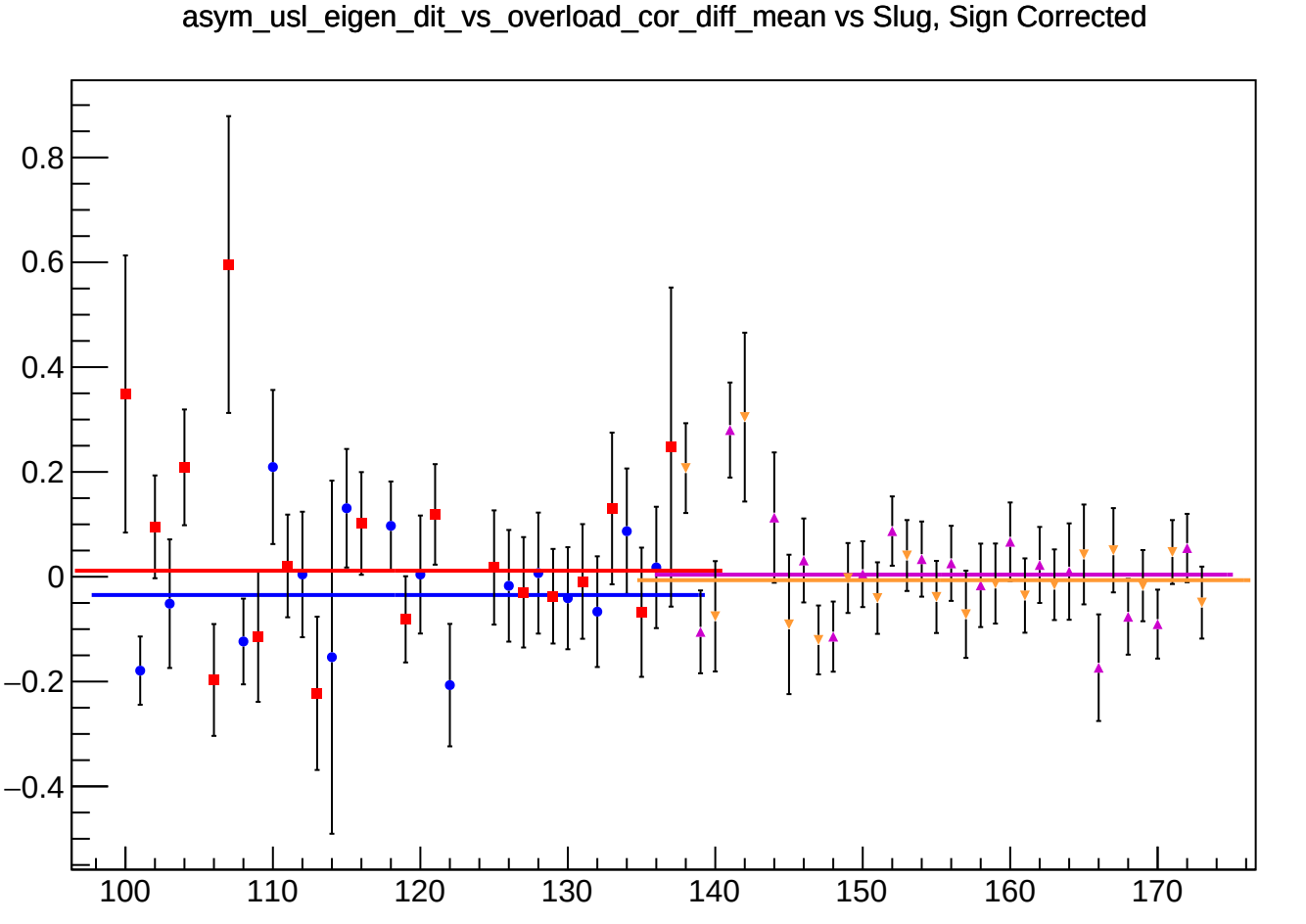
Left: 42.961+/-0.006 χ^2/NDF: 2433737.3/34

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

In: 43.803+/-0.007 χ^2/NDF:2405120.4/32

Out: 43.718+/-0.007 χ^2/NDF:2626536.9/35

All: 43.760+/-0.005 χ^2/NDF: 5031724.5/68



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.007+/-0.018 χ^2/NDF:17.5/17

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.004+/-0.018 χ^2/NDF:24.8/16

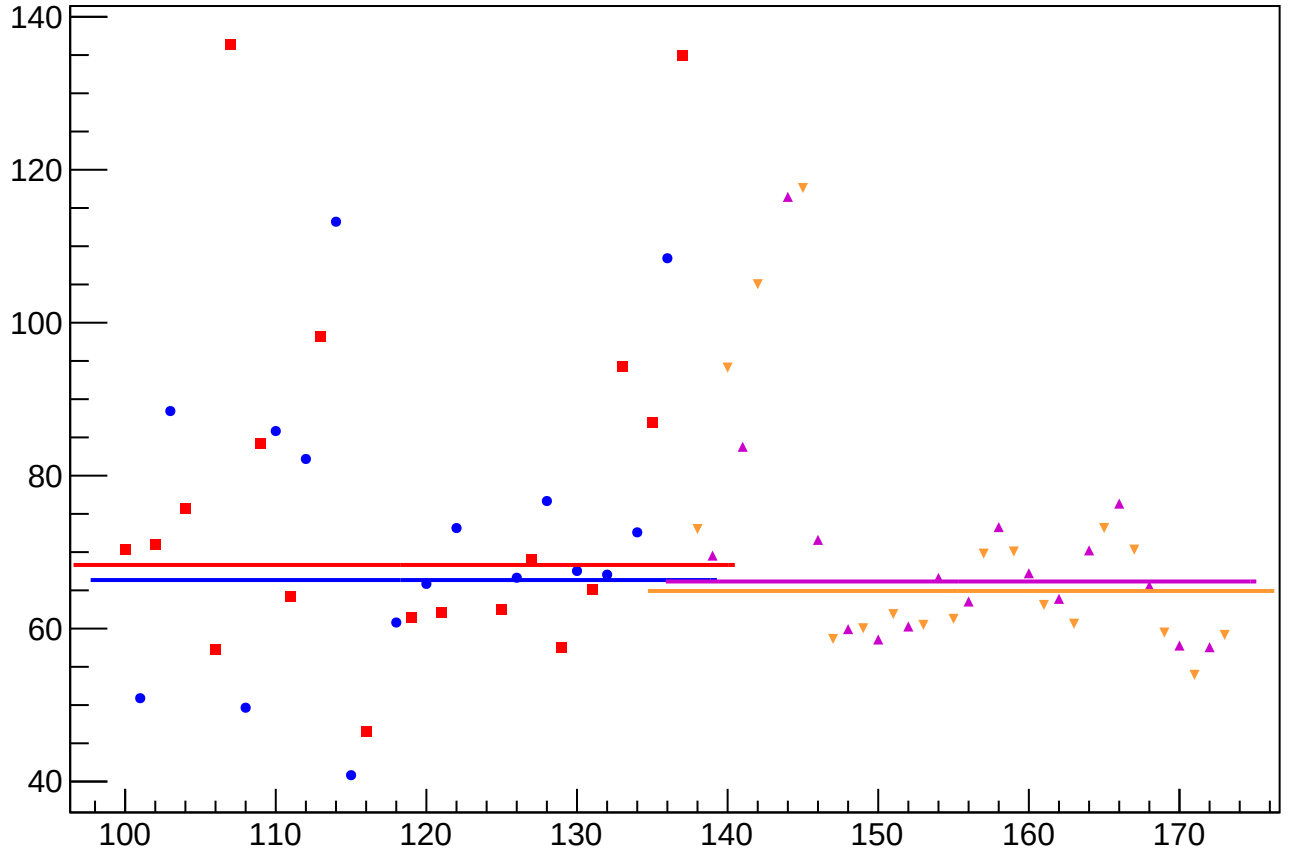
Left: -0.001+/-0.013 χ^2/NDF: 42.5/34

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

In: -0.009+/-0.015 χ^2/NDF:43.7/32

Out: -0.001+/-0.015 χ^2/NDF:40.6/35

All: -0.005+/-0.011 χ^2/NDF: 84.4/68



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 64.921+/-0.013 χ^2/NDF:797624.8/17

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 66.159+/-0.013 χ^2/NDF:590453.2/16

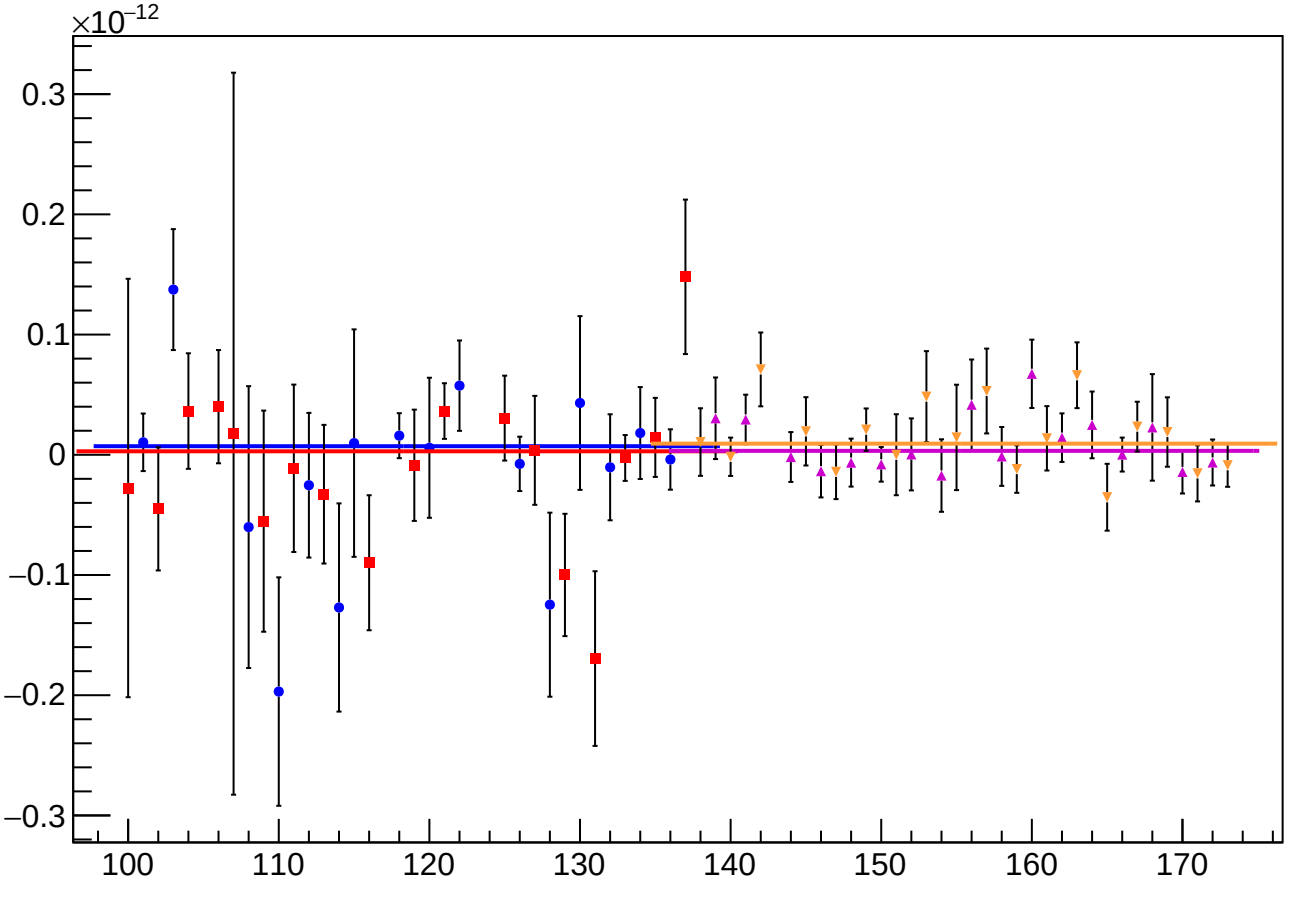
Left: 65.528+/-0.009 χ^2/NDF: 1392762.0/34

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

In: 66.221+/-0.011 χ^2/NDF:1363183.1/32

Out: 65.965+/-0.011 χ^2/NDF:1449433.0/35

All: 66.092+/-0.007 χ^2/NDF: 2812908.5/68



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: 0.000+/-0.000 χ^2/NDF:12.7/16

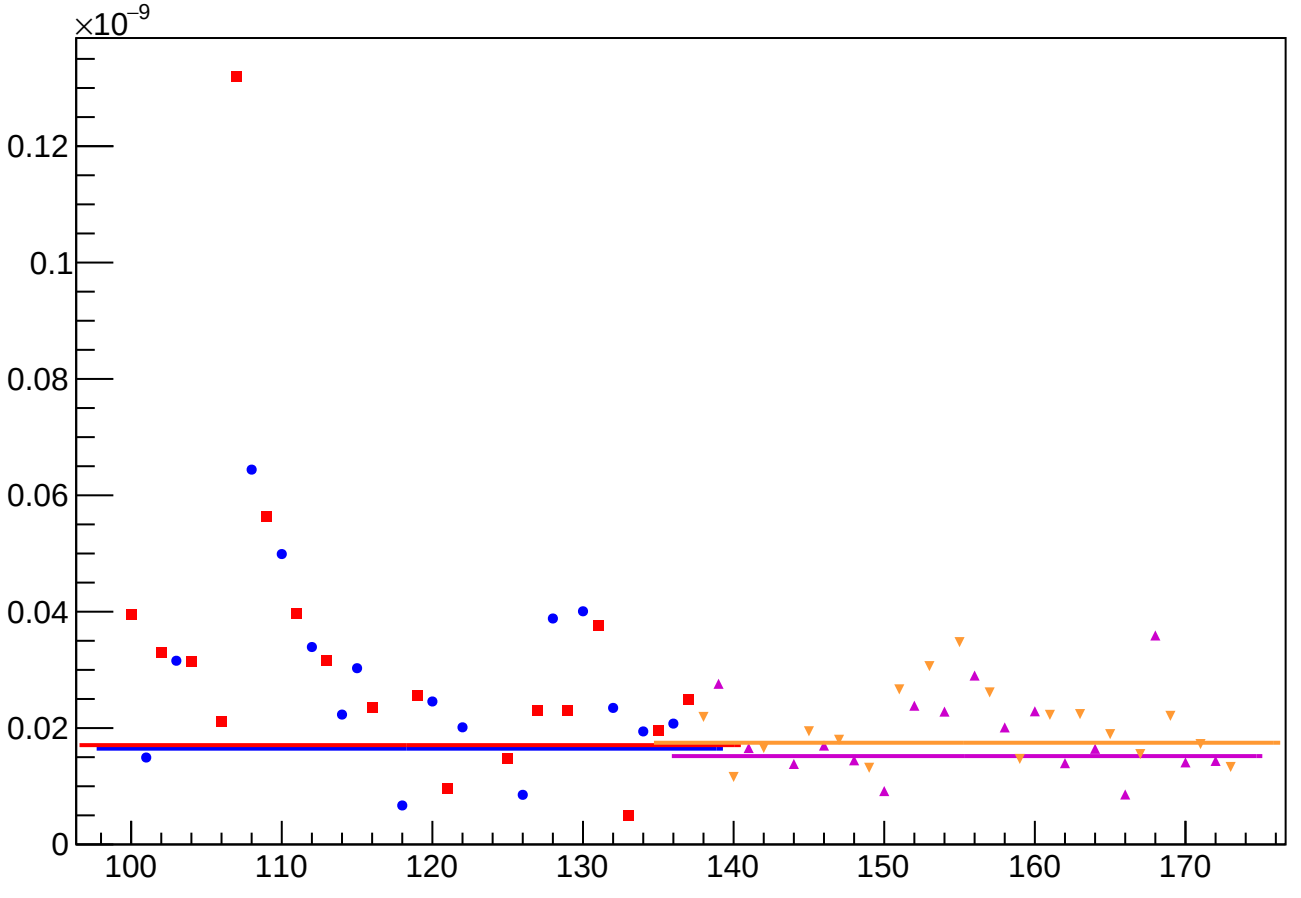
Left: 0.000+/-0.000 χ^2/NDF: 32.9/34

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:33.3/32

Out: 0.000+/-0.000 χ^2/NDF:43.3/35

All: 0.000+/-0.000 χ^2/NDF: 76.9/68



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1625508.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2342284.7/16

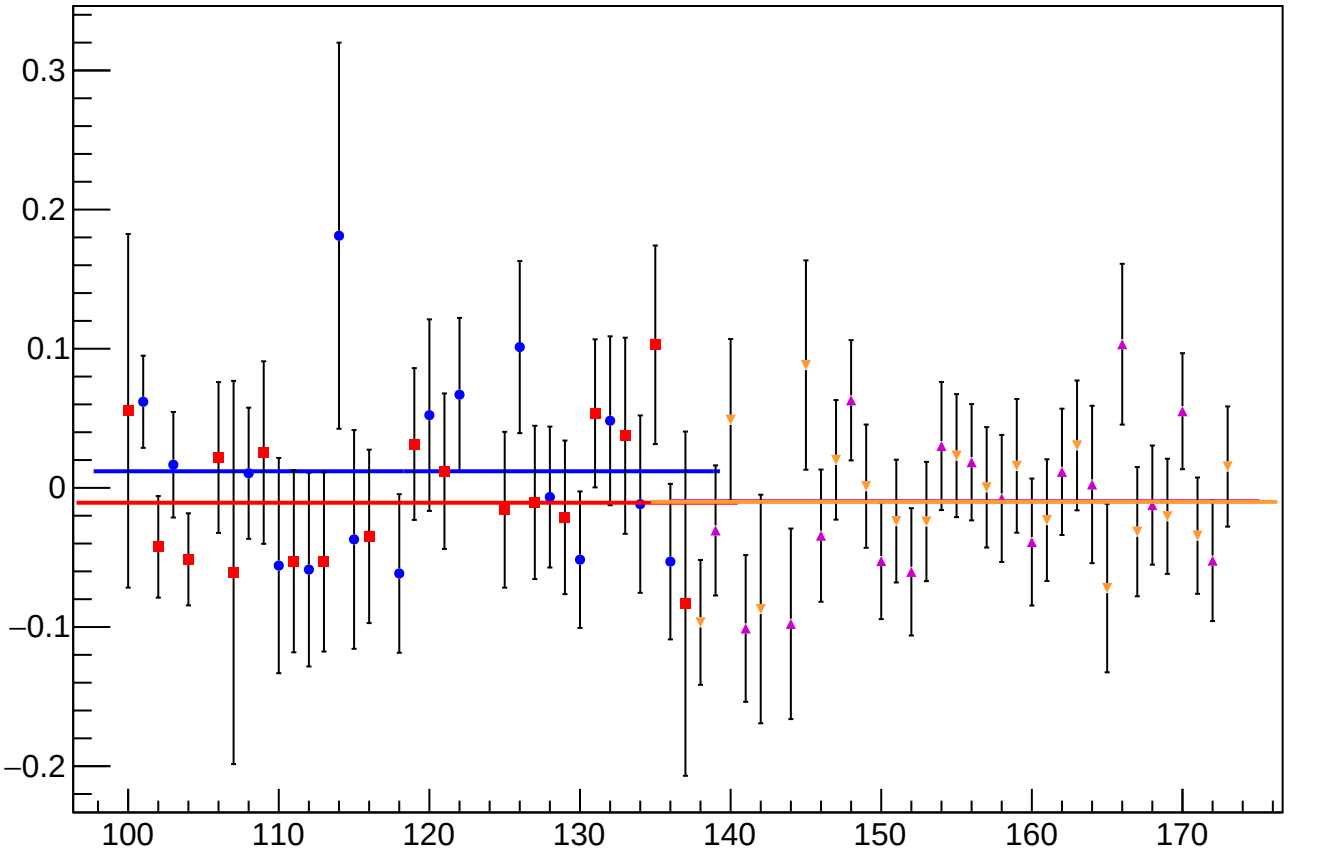
Left: 0.000+/-0.000 χ^2/NDF: 4141936.6/34

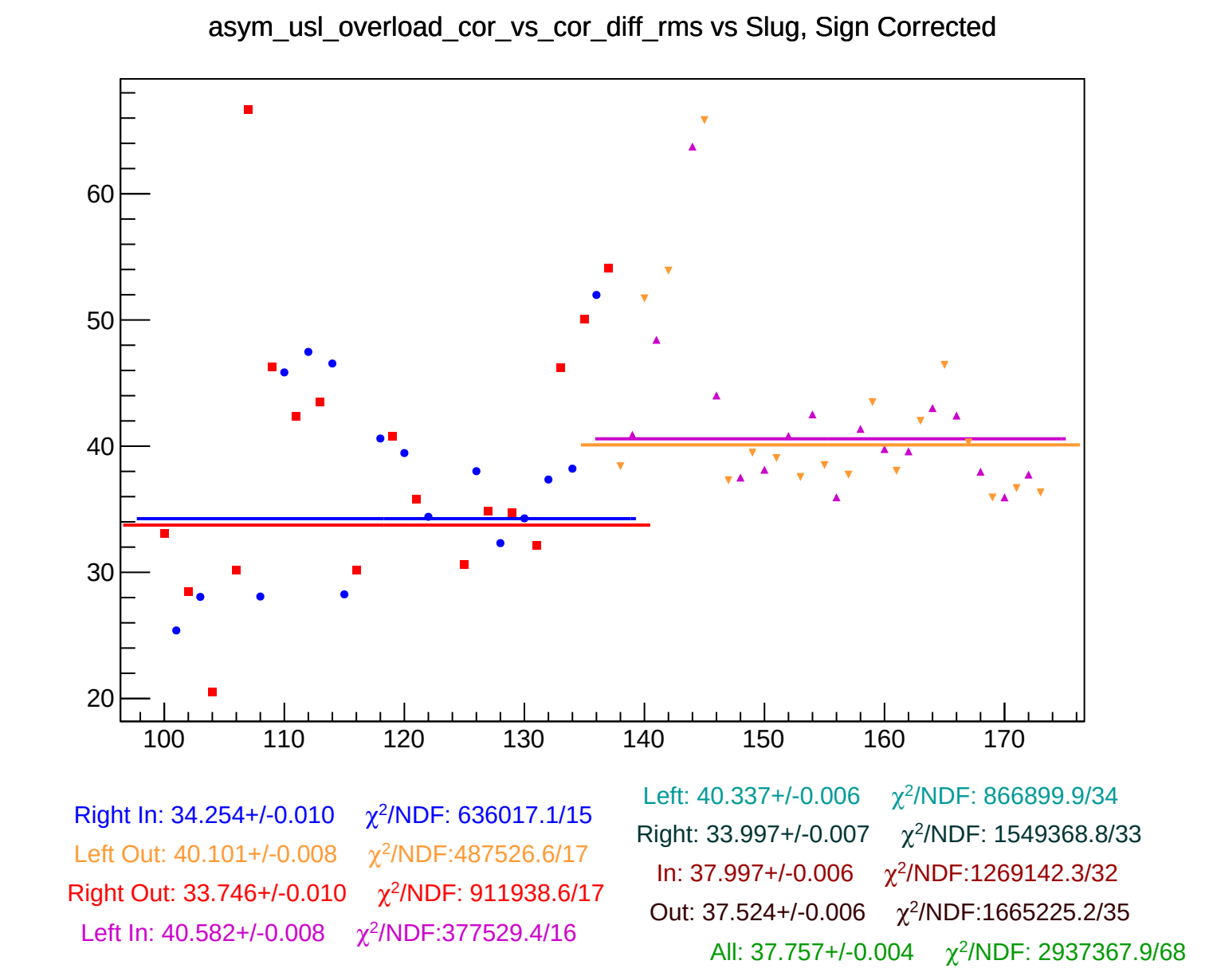
Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

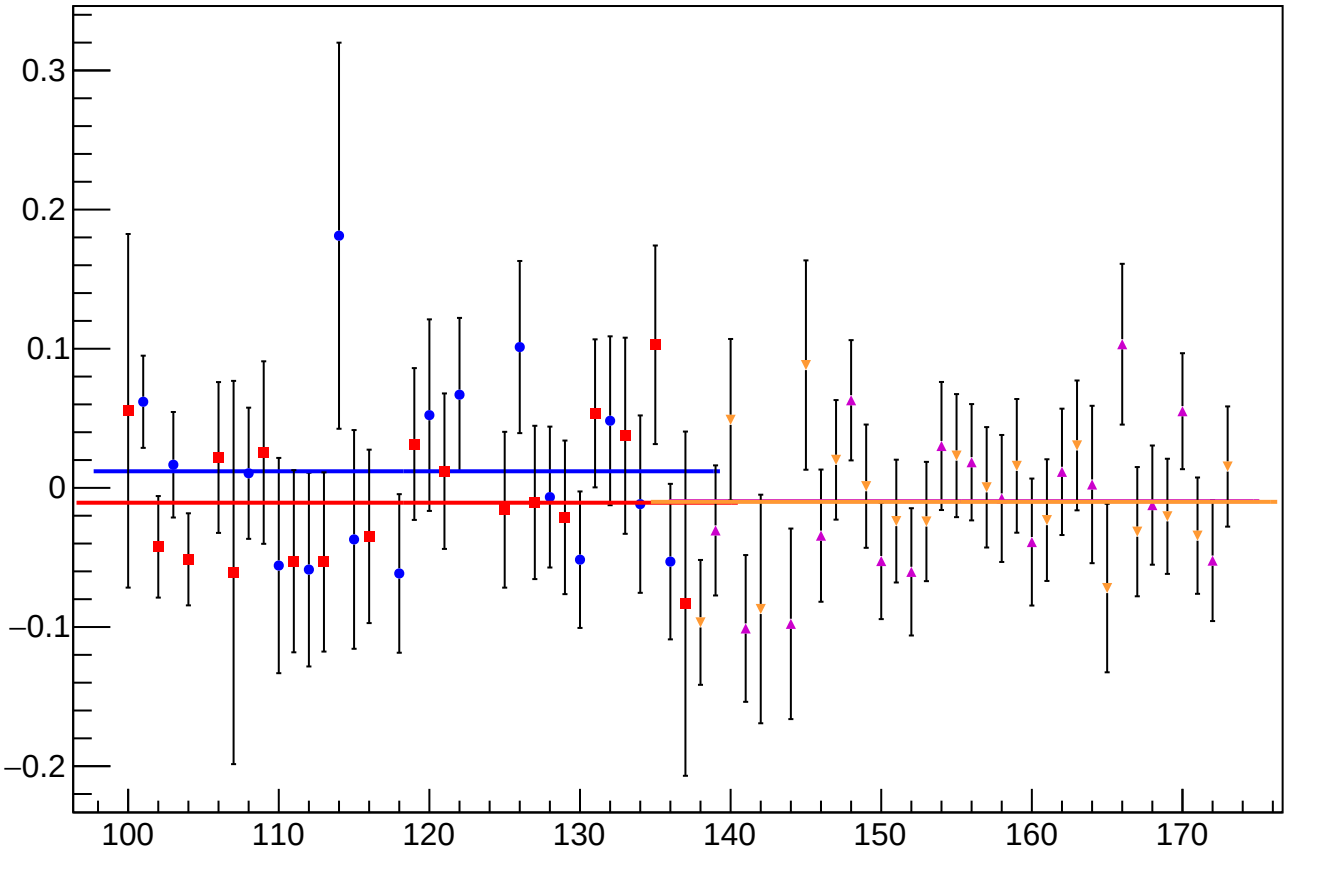
In: 0.000+/-0.000 χ^2/NDF:4717188.0/32

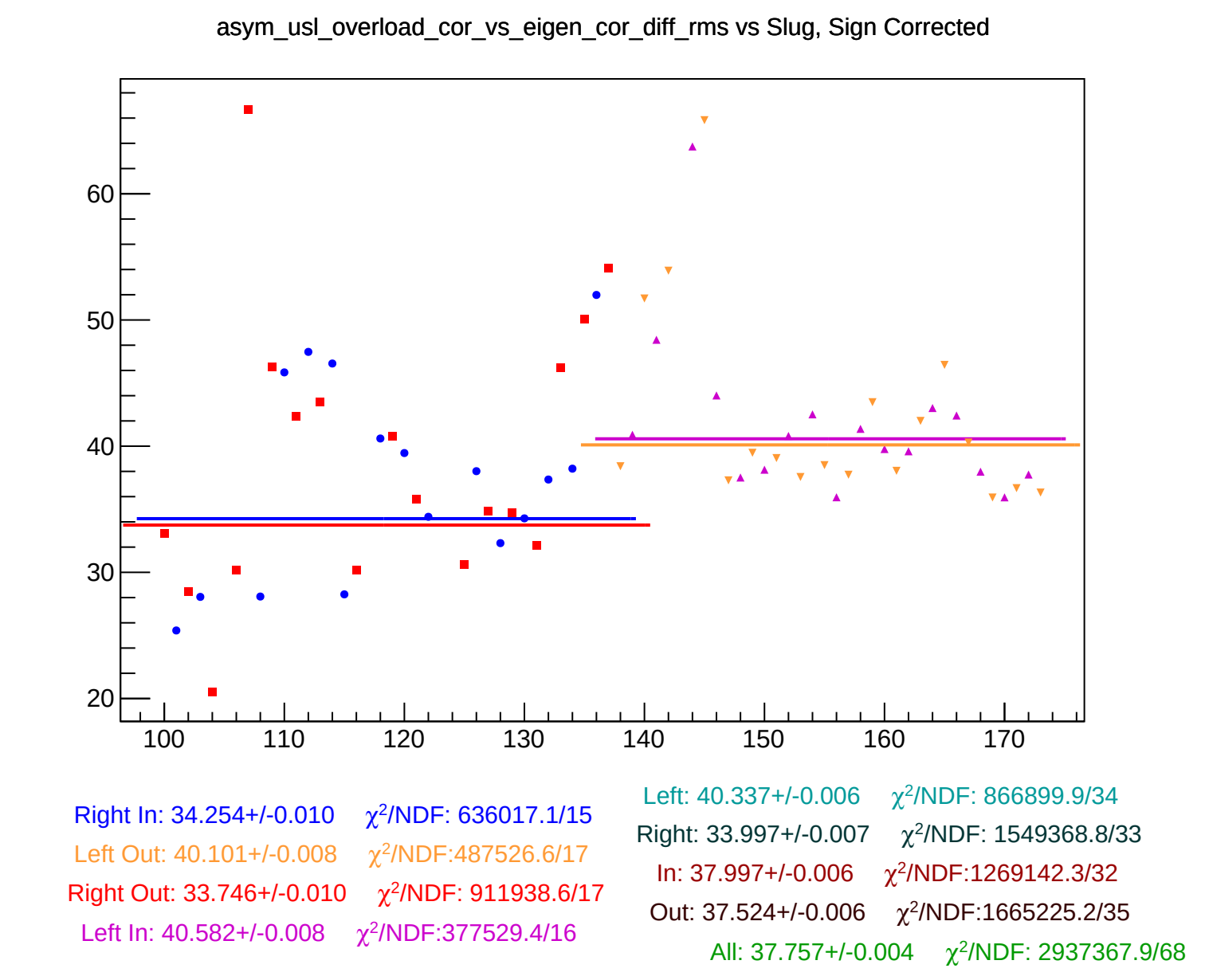
Out: 0.000+/-0.000 χ^2/NDF:4419477.7/35

All: 0.000+/-0.000 χ^2/NDF: 9291749.9/68

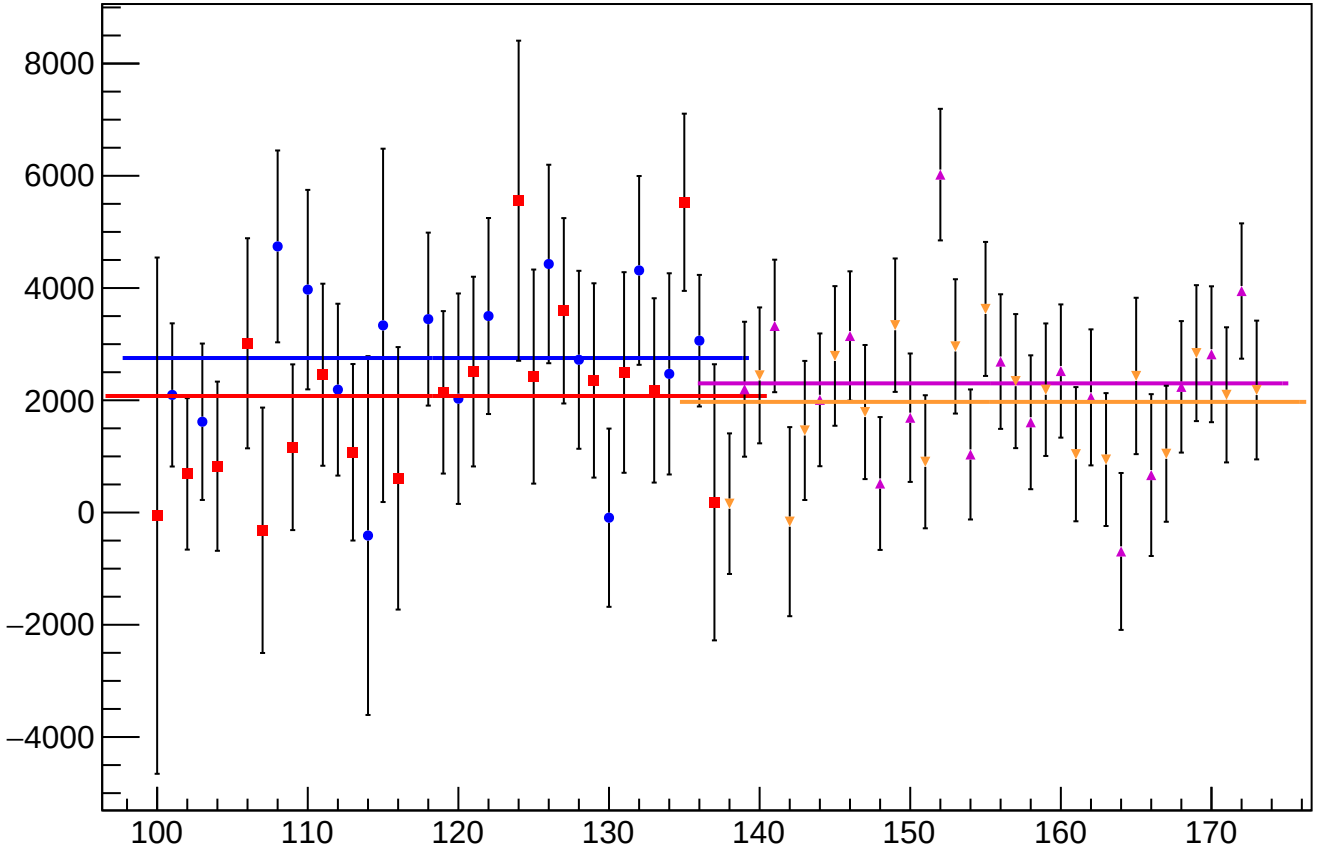

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
Right In: 0.012+/-0.014 χ²/NDF: 14.7/15
Left Out: -0.010+/-0.011 χ²/NDF:11.9/17
Right Out: -0.011+/-0.013 χ²/NDF: 9.9/17
Left In: -0.010+/-0.011 χ²/NDF:19.3/16
Left: -0.010+/-0.008 χ²/NDF: 31.2/34
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.001+/-0.009 χ²/NDF:35.5/32
Out: -0.010+/-0.009 χ²/NDF:21.8/35
All: -0.006+/-0.006 χ²/NDF: 57.9/68


asym_usl_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
100
110
120
130
140
150
160
170
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 40.101+/-0.008 χ²/NDF:487526.6/17
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 40.582+/-0.008 χ²/NDF:377529.4/16
Left: 40.337+/-0.006 χ²/NDF: 866899.9/34
Right: 33.997+/-0.007 χ²/NDF: 1549368.8/33
In: 37.997+/-0.006 χ²/NDF:1269142.3/32
Out: 37.524+/-0.006 χ²/NDF:1665225.2/35
All: 37.757+/-0.004 χ²/NDF: 2937367.9/68


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
170
Right In: 0.012+/-0.014 χ²/NDF: 14.7/15
Left Out: -0.010+/-0.011 χ²/NDF:11.9/17
Right Out: -0.011+/-0.013 χ²/NDF: 9.9/17
Left In: -0.010+/-0.011 χ²/NDF:19.3/16
Left: -0.010+/-0.008 χ²/NDF: 31.2/34
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.001+/-0.009 χ²/NDF:35.5/32
Out: -0.010+/-0.009 χ²/NDF:21.8/35
All: -0.006+/-0.006 χ²/NDF: 57.9/68


asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
100
110
120
130
140
150
160
170
Right In: 34.254+/-0.010 χ²/NDF: 636017.1/15
Left Out: 40.101+/-0.008 χ²/NDF:487526.6/17
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 40.582+/-0.008 χ²/NDF:377529.4/16
Left: 40.337+/-0.006 χ²/NDF: 866899.9/34
Right: 33.997+/-0.007 χ²/NDF: 1549368.8/33
In: 37.997+/-0.006 χ²/NDF:1269142.3/32
Out: 37.524+/-0.006 χ²/NDF:1665225.2/35
All: 37.757+/-0.004 χ²/NDF: 2937367.9/68

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1971.484+/-282.365 χ^2/NDF:12.0/18

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2301.572+/-292.255 χ^2/NDF:23.6/16

Left: 2130.849+/-203.069 χ^2/NDF: 36.2/35

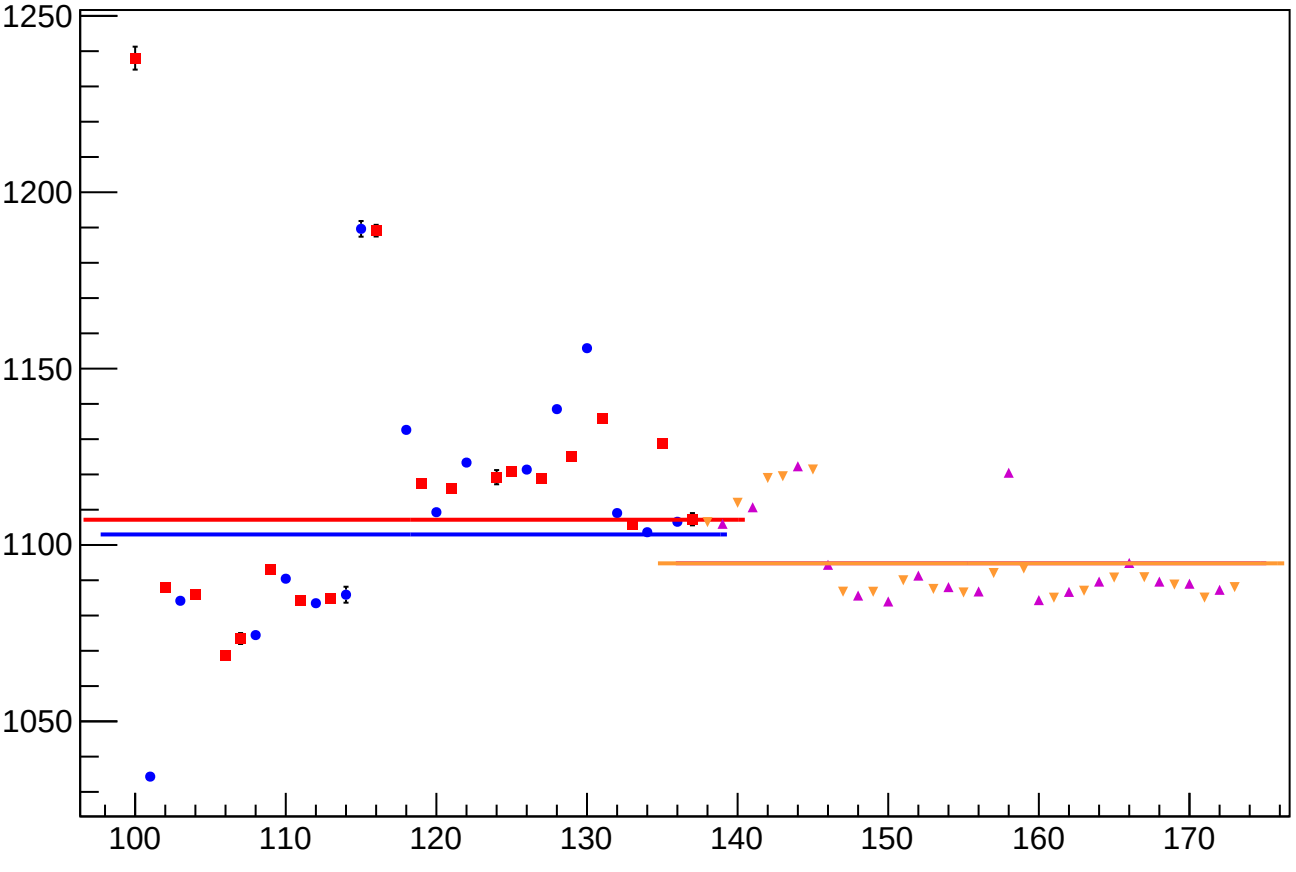
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2453.787+/-237.951 χ^2/NDF:33.9/32

Out: 2005.962+/-231.401 χ^2/NDF:24.5/37

All: 2223.627+/-165.893 χ^2/NDF: 60.3/70

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1094.796+/-0.200 χ^2/NDF:3590.4/18

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1094.828+/-0.207 χ^2/NDF:3451.1/16

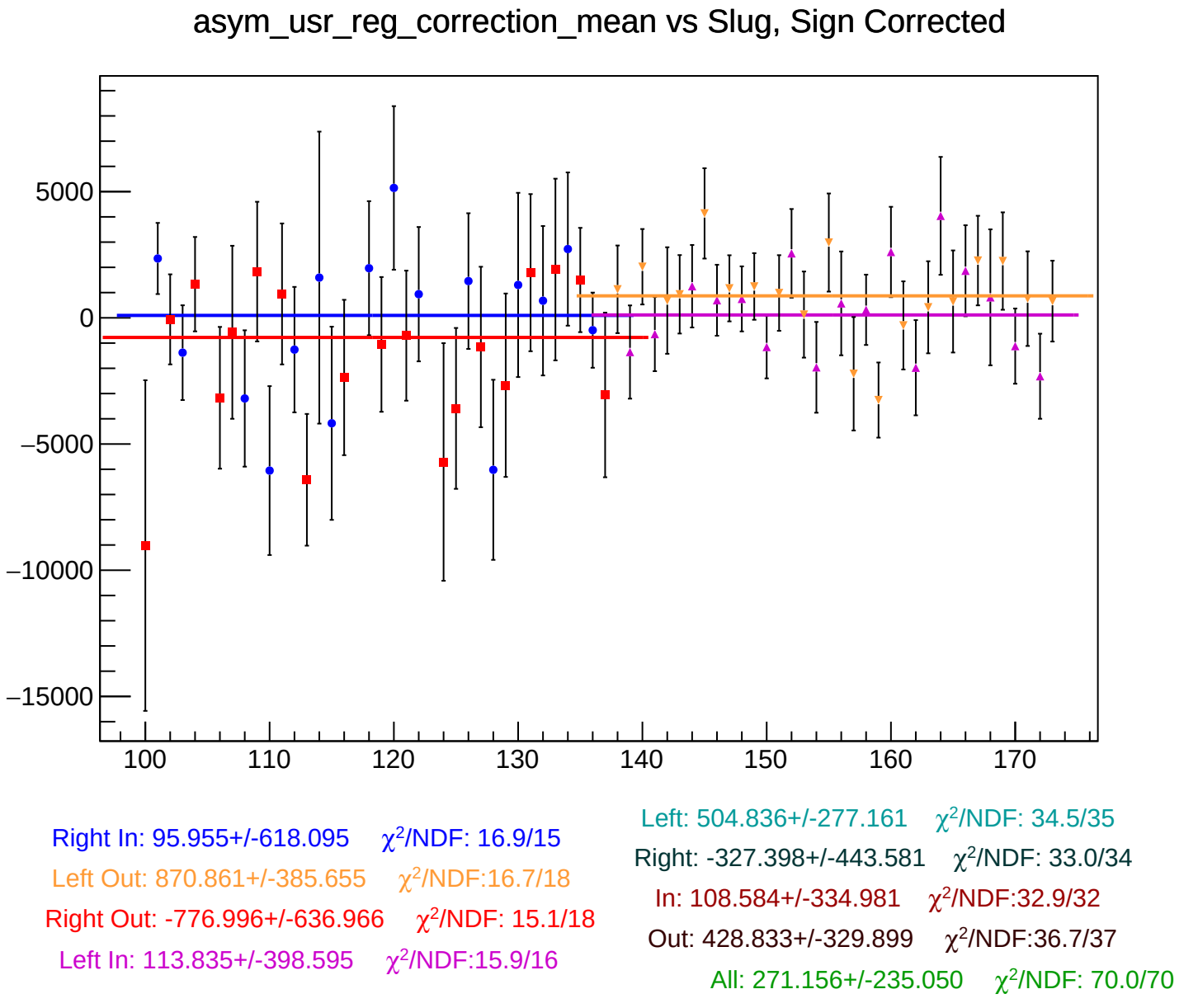
Left: 1094.812+/-0.144 χ^2/NDF: 7041.5/35

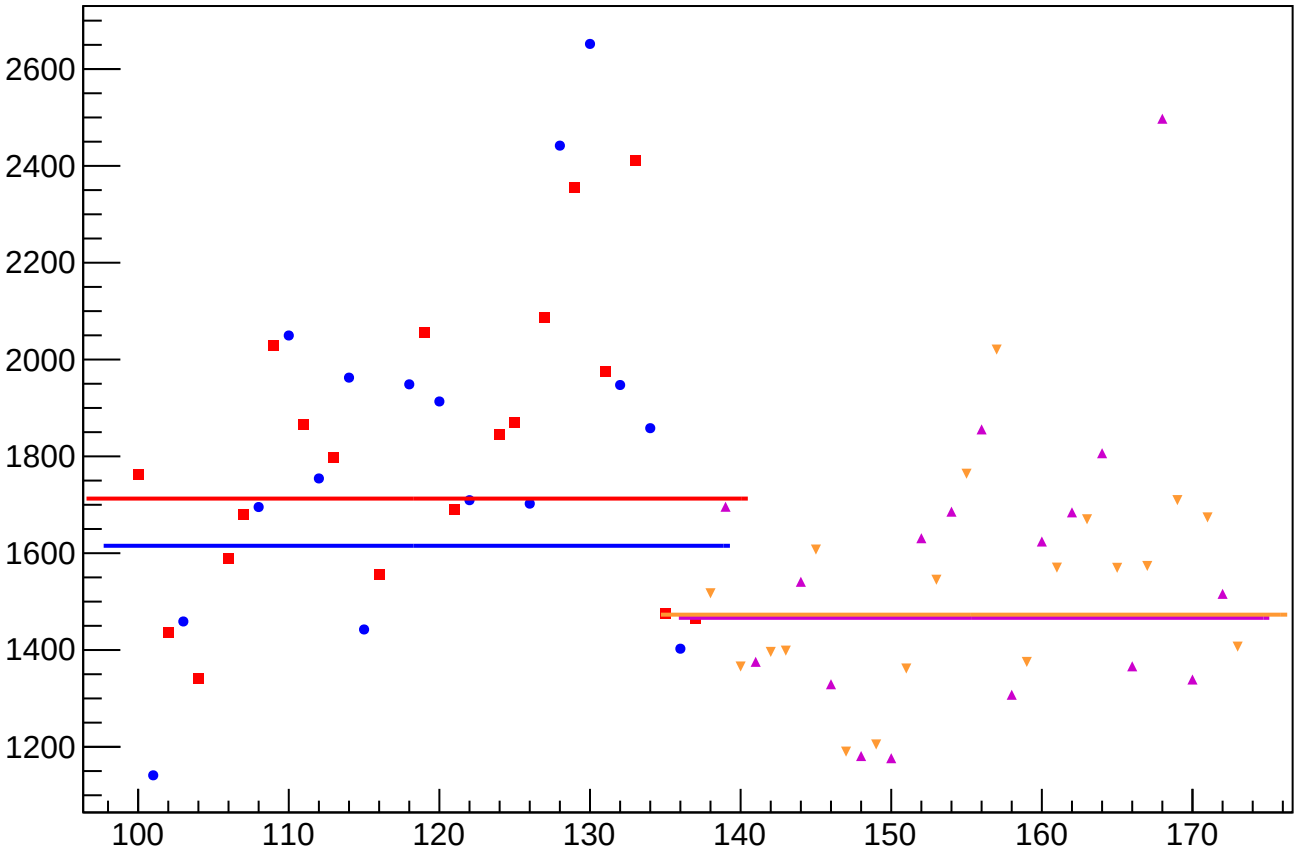
Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1097.579+/-0.168 χ^2/NDF:17200.4/32

Out: 1098.856+/-0.164 χ^2/NDF:13533.0/37

All: 1098.235+/-0.117 χ^2/NDF: 30762.9/70


asym_usr_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 95.955+/-618.095 χ²/NDF: 16.9/15
Left Out: 870.861+/-385.655 χ²/NDF:16.7/18
Right Out: -776.996+/-636.966 χ²/NDF: 15.1/18
Left In: 113.835+/-398.595 χ²/NDF:15.9/16
Left: 504.836+/-277.161 χ²/NDF: 34.5/35
Right: -327.398+/-443.581 χ²/NDF: 33.0/34
In: 108.584+/-334.981 χ²/NDF:32.9/32
Out: 428.833+/-329.899 χ²/NDF:36.7/37
All: 271.156+/-235.050 χ²/NDF: 70.0/70



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1473.042+/-0.273 χ^2/NDF:489660.1/18

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1466.502+/-0.282 χ^2/NDF:813573.7/16

Left: 1469.880+/-0.196 χ^2/NDF: 1303511.9/35

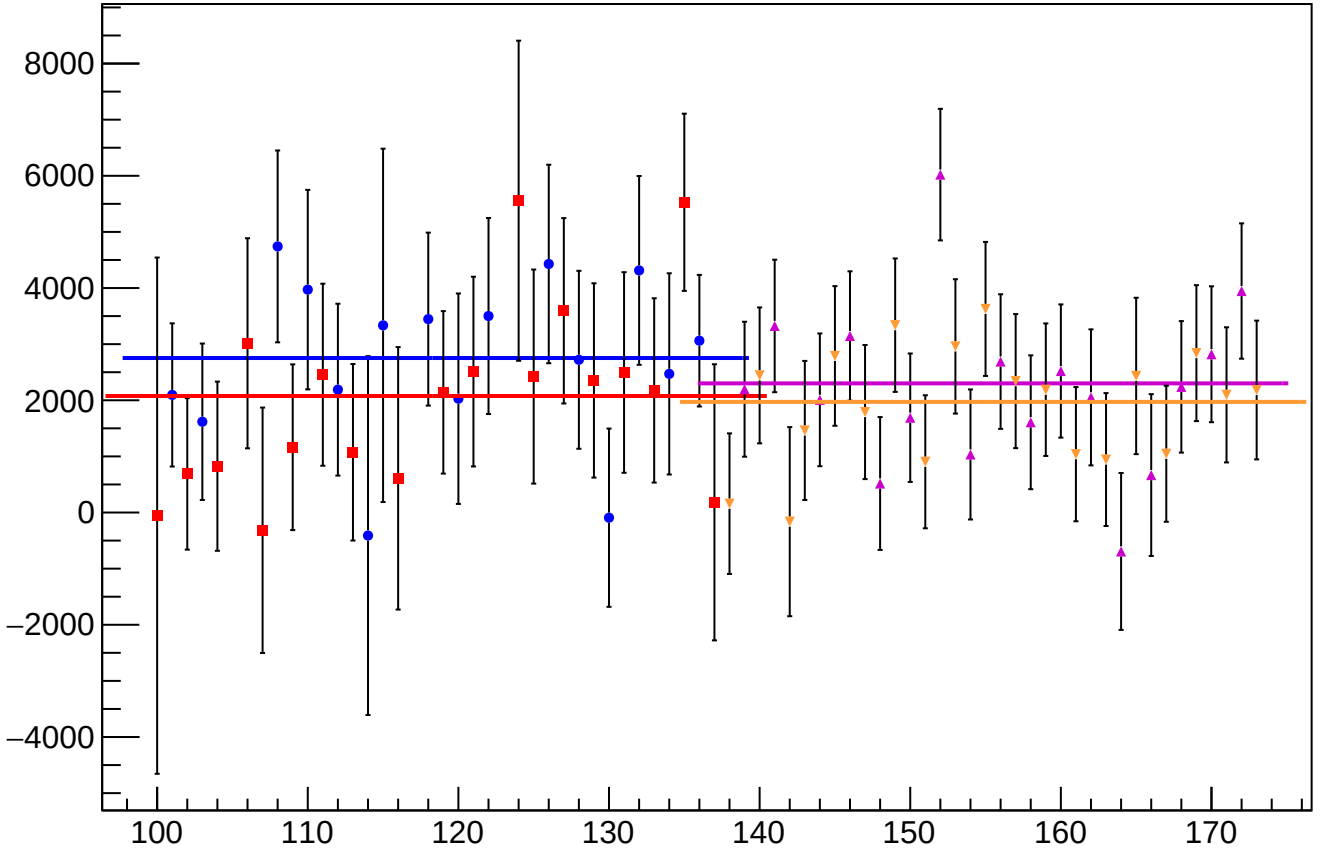
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1510.211+/-0.237 χ^2/NDF:1589084.2/32

Out: 1537.355+/-0.233 χ^2/NDF:1125074.7/37

All: 1523.991+/-0.166 χ^2/NDF: 2720825.2/70

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1971.484+/-282.365 χ^2/NDF:12.0/18

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2301.572+/-292.255 χ^2/NDF:23.6/16

Left: 2130.849+/-203.069 χ^2/NDF: 36.2/35

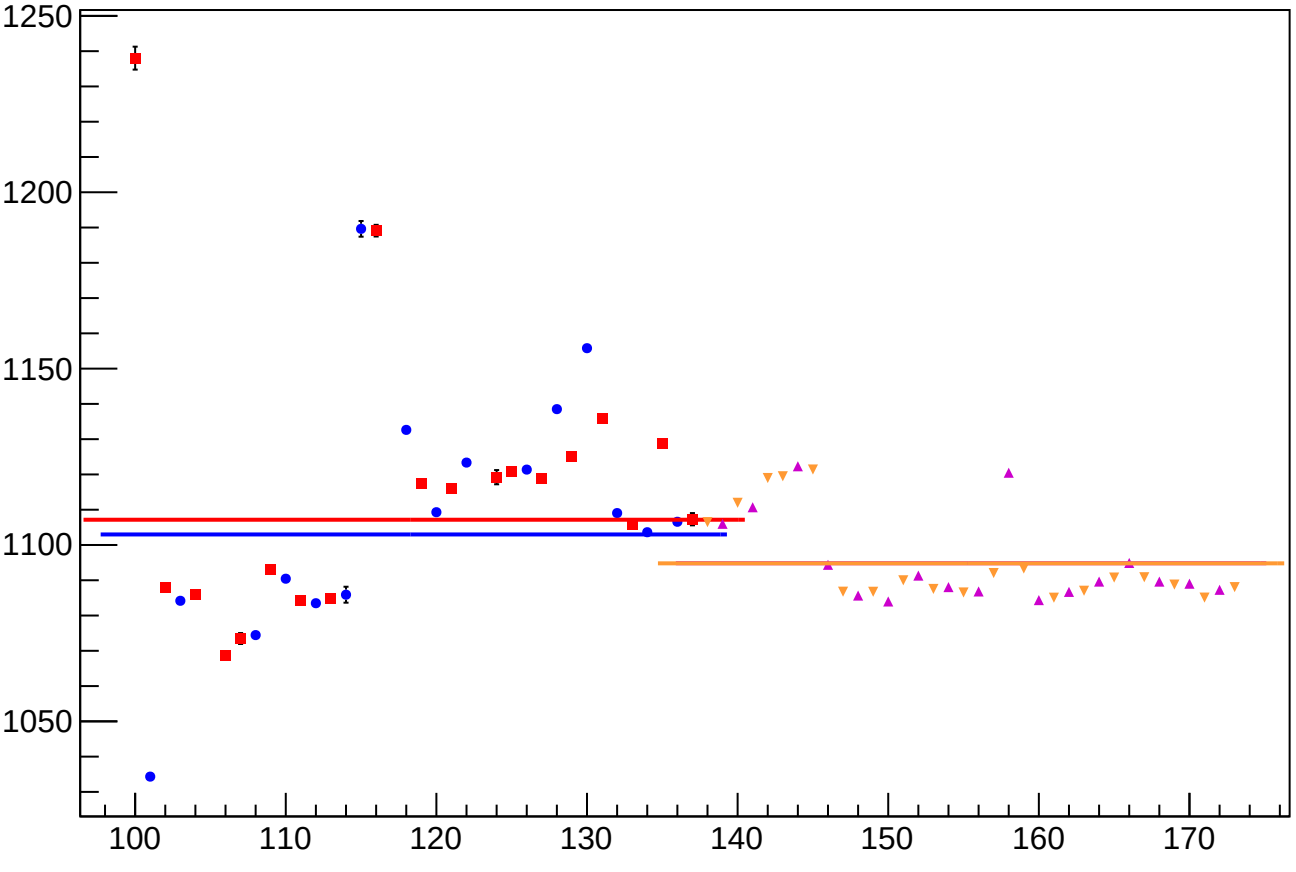
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2453.787+/-237.951 χ^2/NDF:33.9/32

Out: 2005.962+/-231.401 χ^2/NDF:24.5/37

All: 2223.627+/-165.893 χ^2/NDF: 60.3/70

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1094.796+/-0.200 χ^2/NDF:3590.4/18

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1094.828+/-0.207 χ^2/NDF:3451.1/16

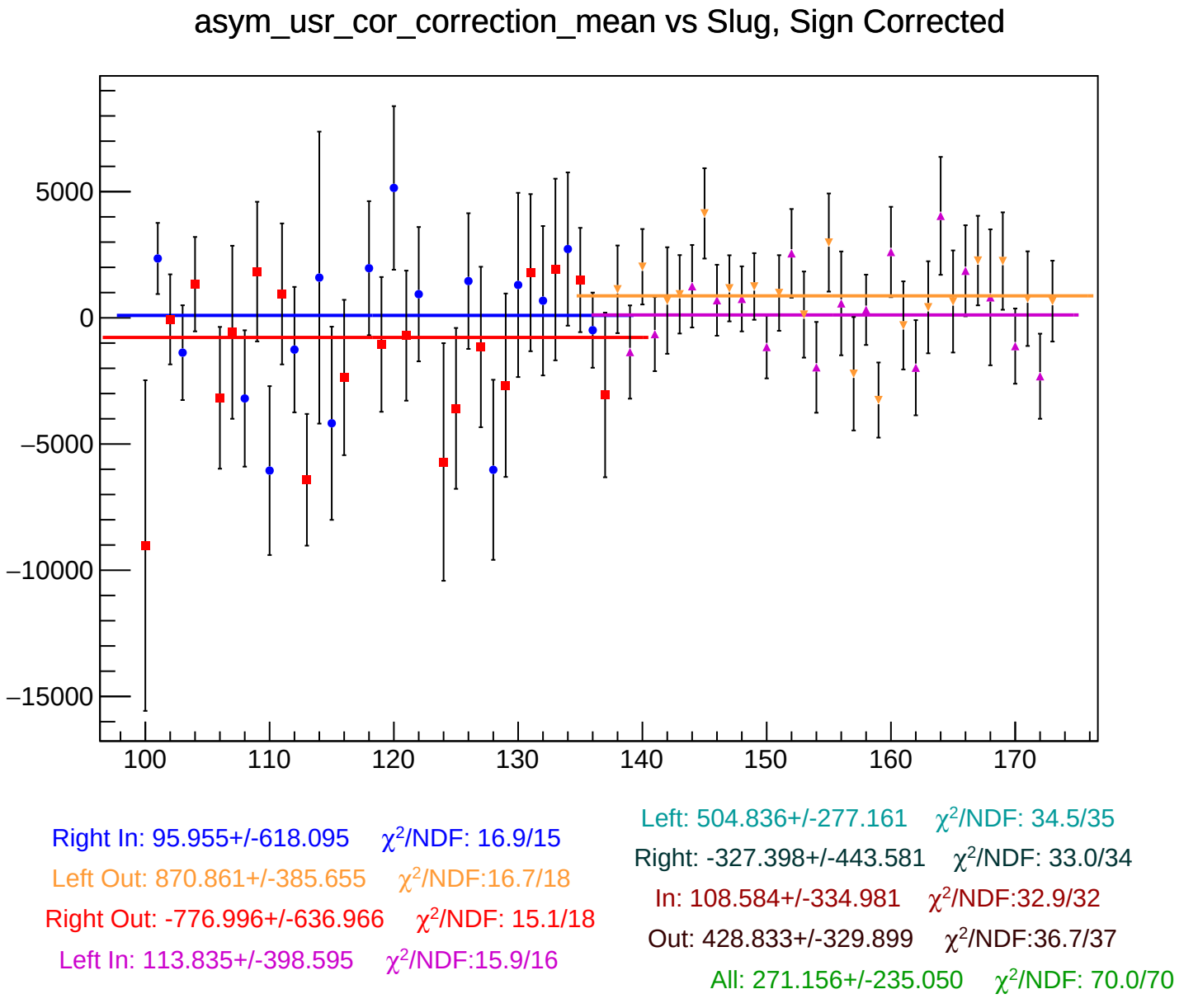
Left: 1094.812+/-0.144 χ^2/NDF: 7041.5/35

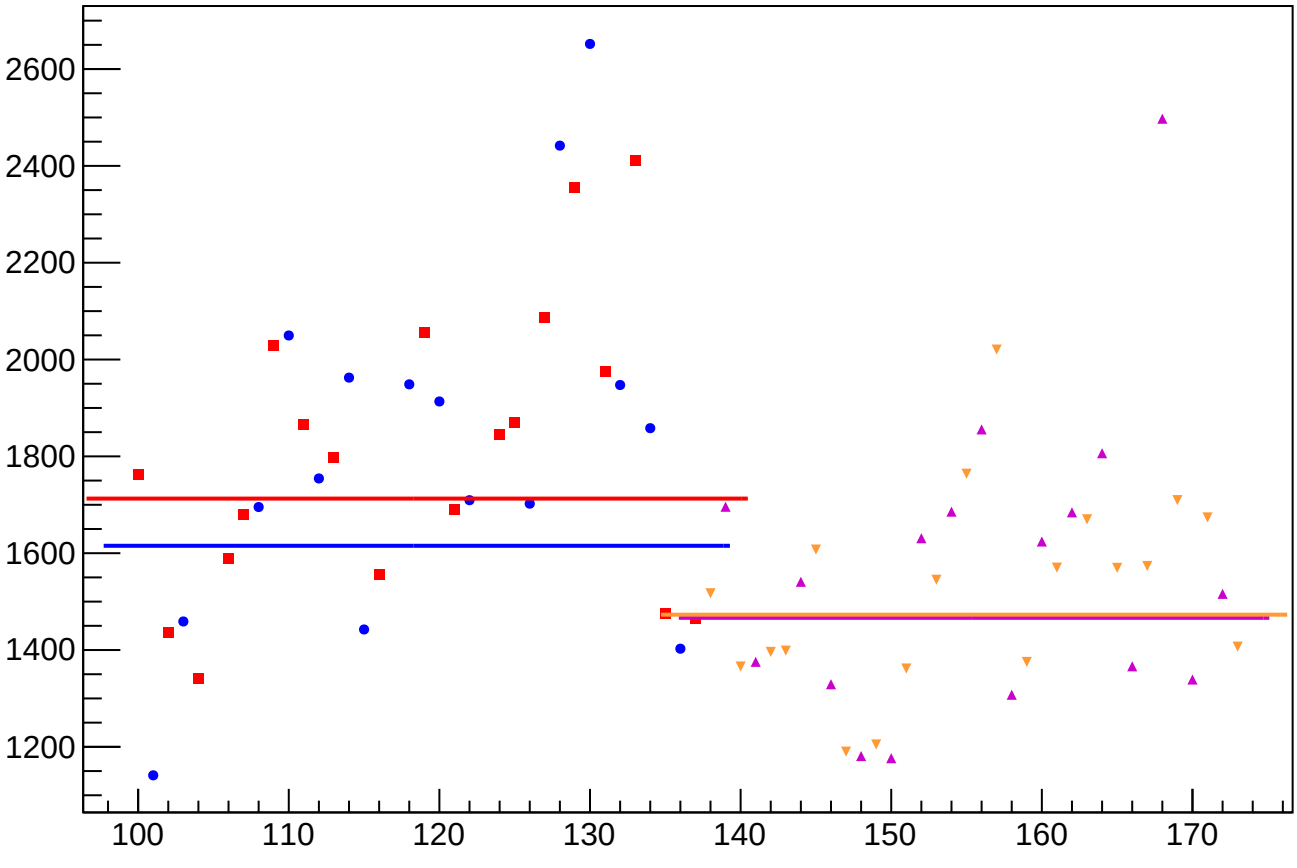
Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1097.579+/-0.168 χ^2/NDF:17200.4/32

Out: 1098.856+/-0.164 χ^2/NDF:13533.0/37

All: 1098.235+/-0.117 χ^2/NDF: 30762.9/70


asym_usr_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 95.955+/-618.095 χ²/NDF: 16.9/15
Left Out: 870.861+/-385.655 χ²/NDF:16.7/18
Right Out: -776.996+/-636.966 χ²/NDF: 15.1/18
Left In: 113.835+/-398.595 χ²/NDF:15.9/16
Left: 504.836+/-277.161 χ²/NDF: 34.5/35
Right: -327.398+/-443.581 χ²/NDF: 33.0/34
In: 108.584+/-334.981 χ²/NDF:32.9/32
Out: 428.833+/-329.899 χ²/NDF:36.7/37
All: 271.156+/-235.050 χ²/NDF: 70.0/70



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1473.042+/-0.273 χ^2/NDF:489660.1/18

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1466.502+/-0.282 χ^2/NDF:813573.7/16

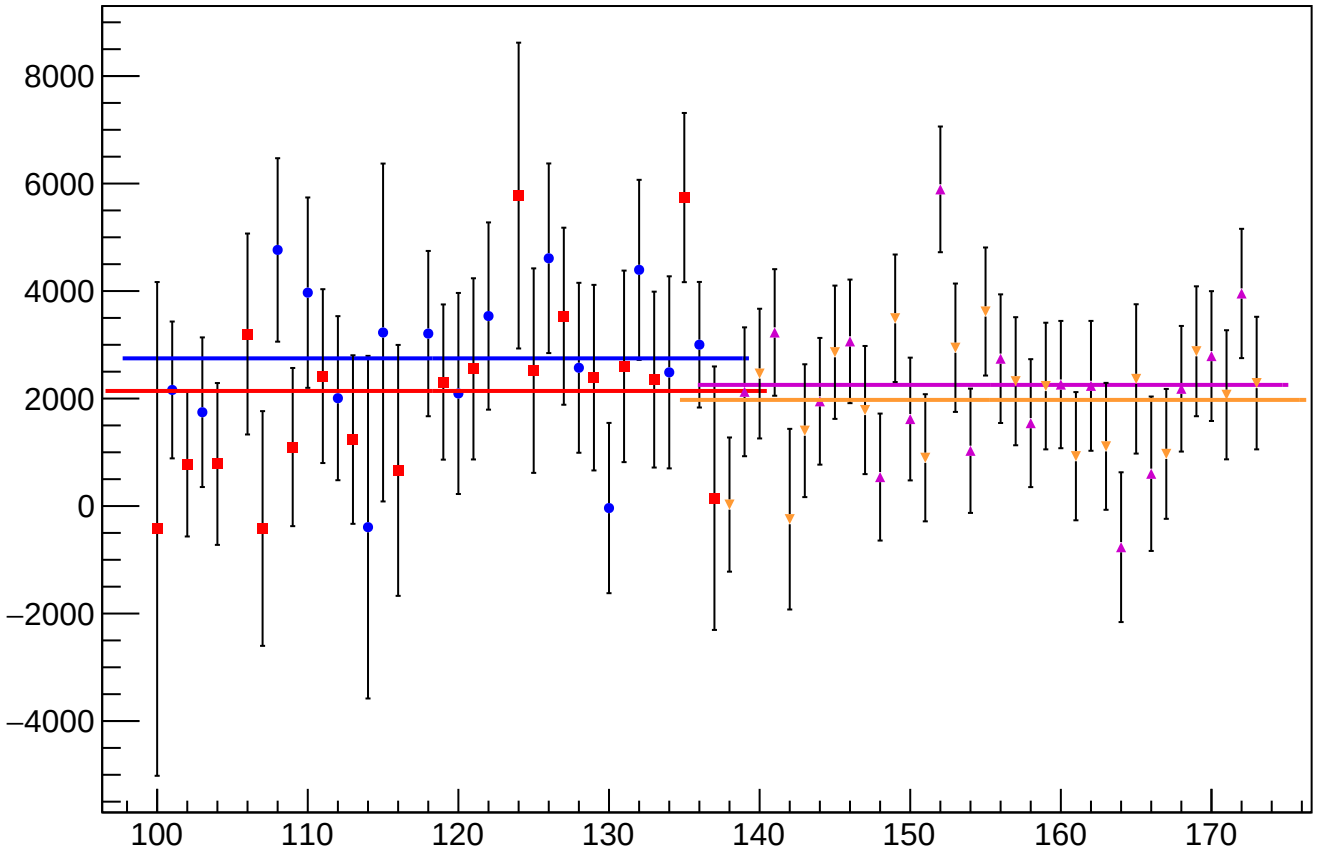
Left: 1469.880+/-0.196 χ^2/NDF: 1303511.9/35

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

In: 1510.211+/-0.237 χ^2/NDF:1589084.2/32

Out: 1537.355+/-0.233 χ^2/NDF:1125074.7/37

All: 1523.991+/-0.166 χ^2/NDF: 2720825.2/70



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1974.783+/-281.639 χ^2/NDF:13.0/18

Right Out: 2141.169+/-402.789 χ^2/NDF: 13.6/18

Left In: 2254.085+/-291.513 χ^2/NDF:23.2/16

Left: 2109.624+/-202.550 χ^2/NDF: 36.7/35

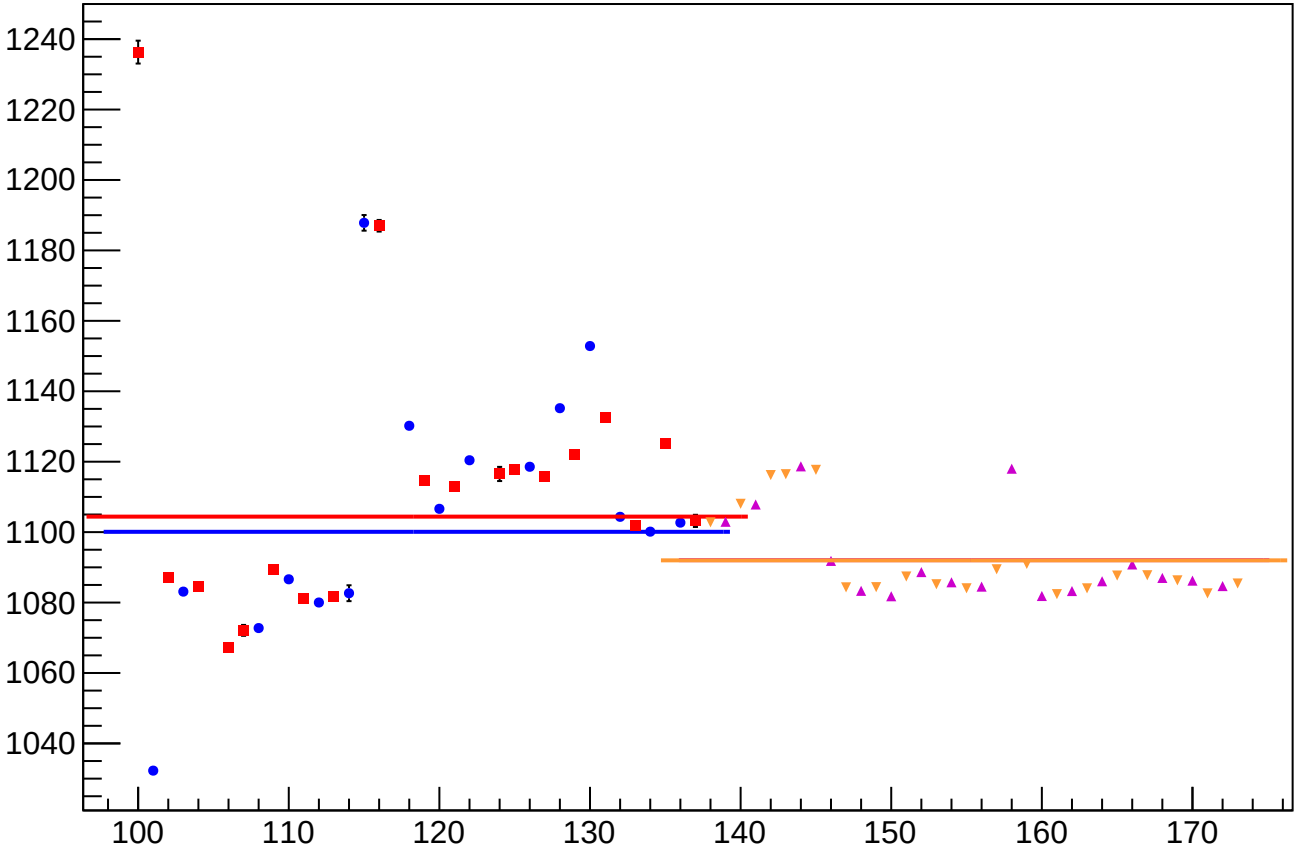
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2420.581+/-237.339 χ^2/NDF:33.7/32

Out: 2029.419+/-230.812 χ^2/NDF:26.6/37

All: 2219.547+/-165.468 χ^2/NDF: 61.7/70

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1091.985+/-0.199 χ^2/NDF:3407.9/18

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1092.051+/-0.206 χ^2/NDF:3374.2/16

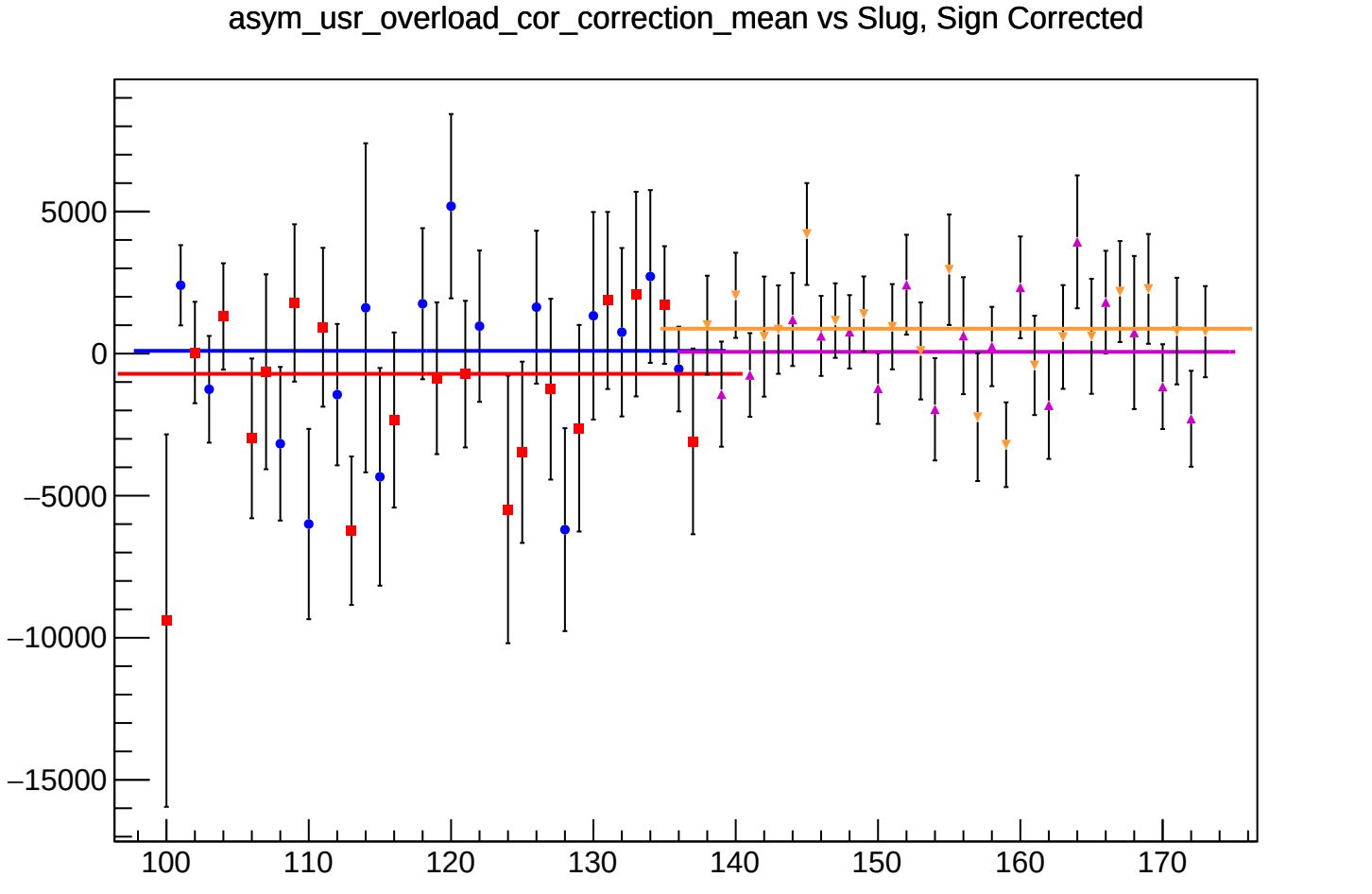
Left: 1092.017+/-0.143 χ^2/NDF: 6782.1/35

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

In: 1094.761+/-0.168 χ^2/NDF:16964.2/32

Out: 1096.063+/-0.163 χ^2/NDF:13228.1/37

All: 1095.430+/-0.117 χ^2/NDF: 30223.2/70



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 876.662+/-386.233 χ^2/NDF:16.7/18

Right Out: -711.287+/-637.587 χ^2/NDF: 14.9/18

Left In: 62.187+/-399.188 χ^2/NDF:15.1/16

Left: 482.855+/-277.575 χ^2/NDF: 34.0/35

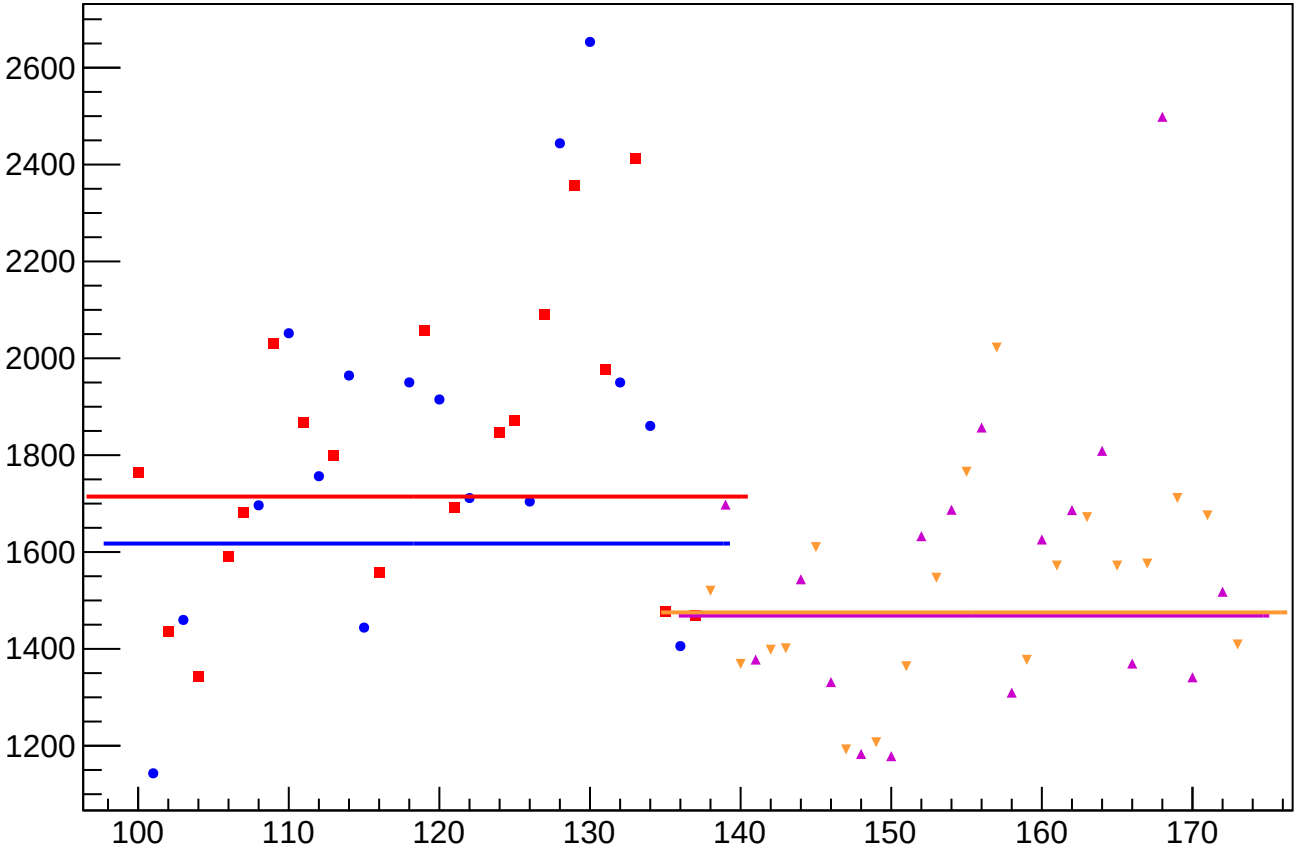
Right: -294.885+/-444.079 χ^2/NDF: 33.0/34

In: 72.543+/-335.458 χ^2/NDF:32.3/32

Out: 450.377+/-330.348 χ^2/NDF:36.2/37

All: 264.359+/-235.377 χ^2/NDF: 69.2/70

asym_usr_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1475.348+/-0.273 χ^2/NDF:487508.3/18

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1468.787+/-0.282 χ^2/NDF:810659.4/16

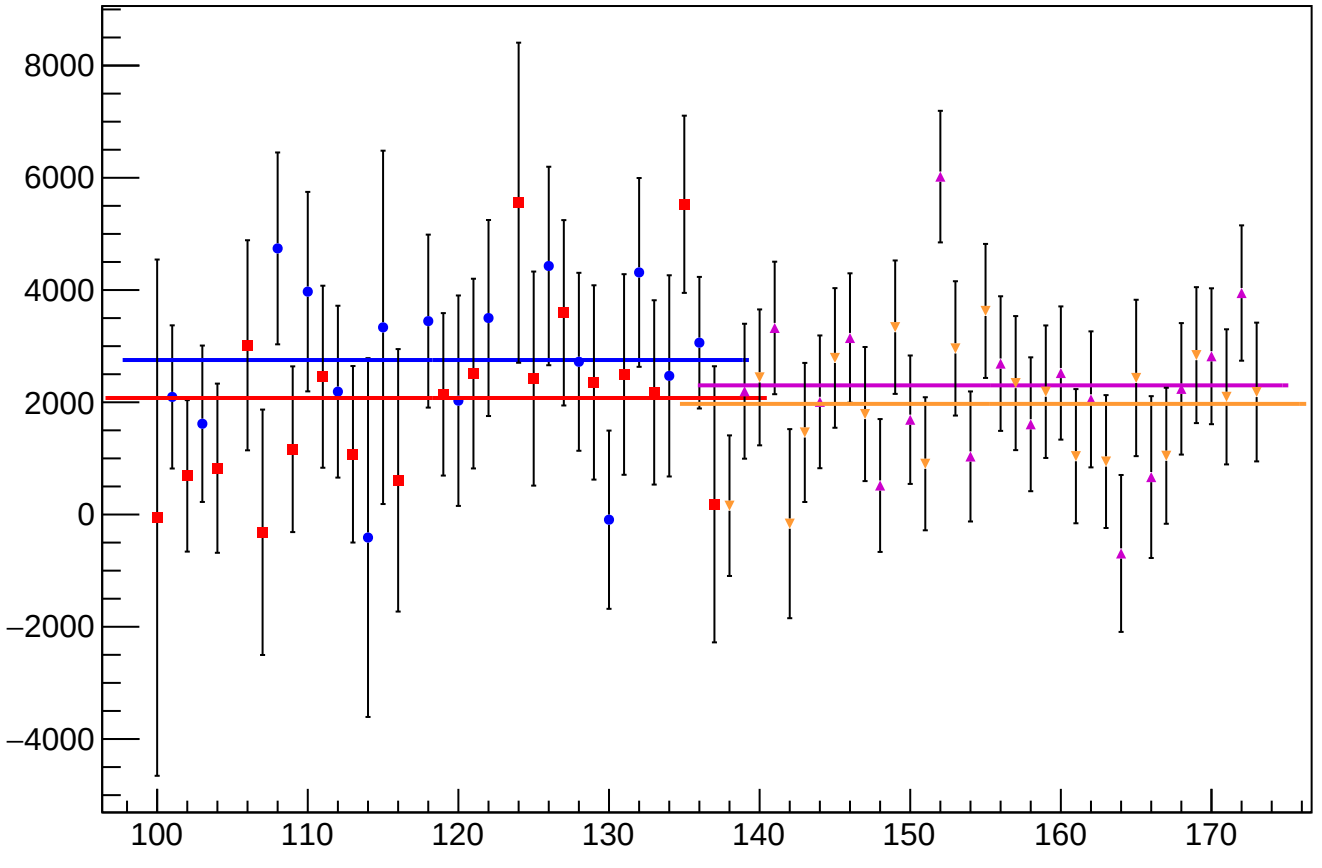
Left: 1472.176+/-0.196 χ^2/NDF: 1298446.7/35

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

In: 1512.478+/-0.237 χ^2/NDF:1583927.5/32

Out: 1539.550+/-0.234 χ^2/NDF:1121077.7/37

All: 1526.222+/-0.166 χ^2/NDF: 2711618.0/70



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1971.484+/-282.365 χ^2/NDF:12.0/18

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2301.572+/-292.255 χ^2/NDF:23.6/16

Left: 2130.849+/-203.069 χ^2/NDF: 36.2/35

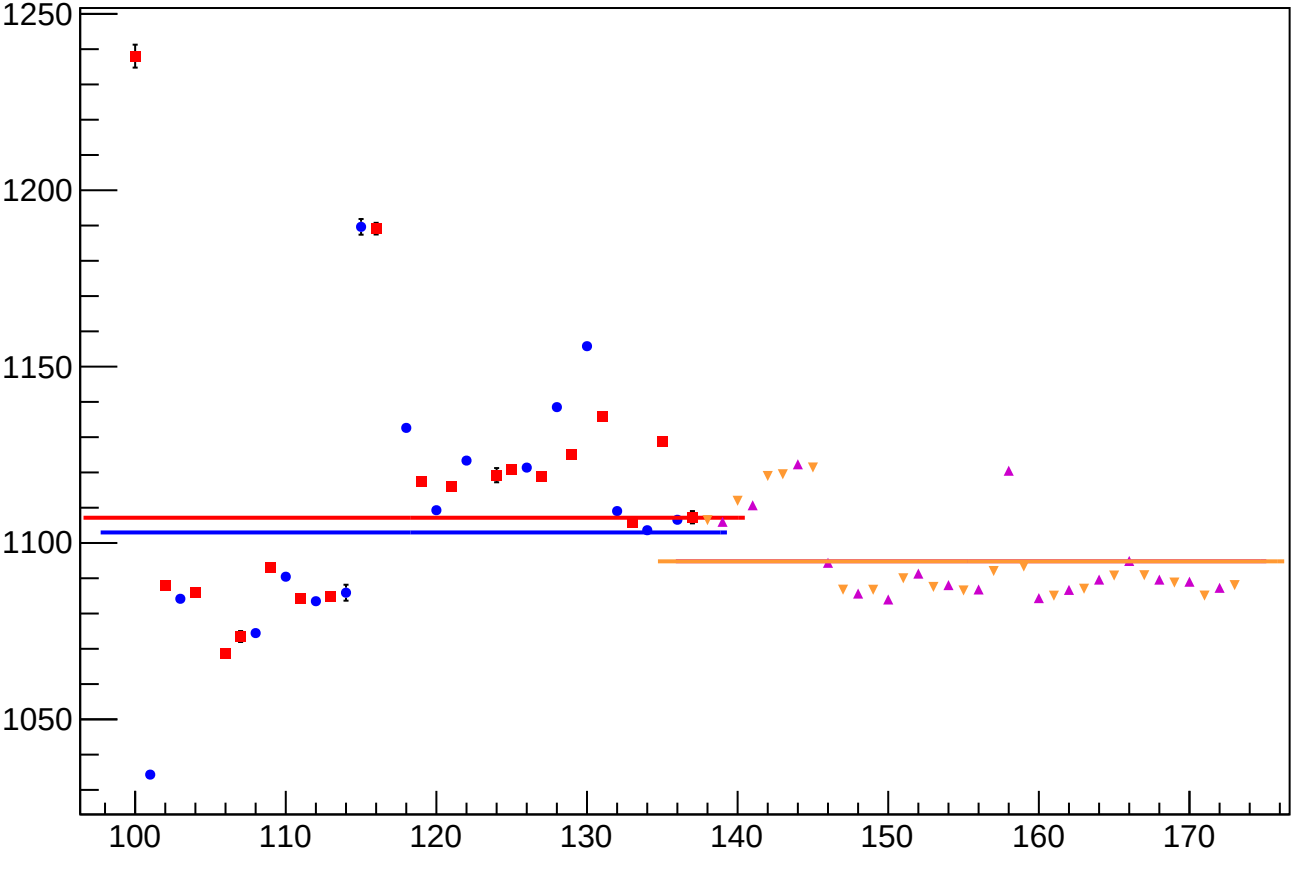
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2453.787+/-237.951 χ^2/NDF:33.9/32

Out: 2005.962+/-231.401 χ^2/NDF:24.5/37

All: 2223.627+/-165.893 χ^2/NDF: 60.3/70

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1094.796+/-0.200 χ^2/NDF:3590.4/18

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1094.828+/-0.207 χ^2/NDF:3451.1/16

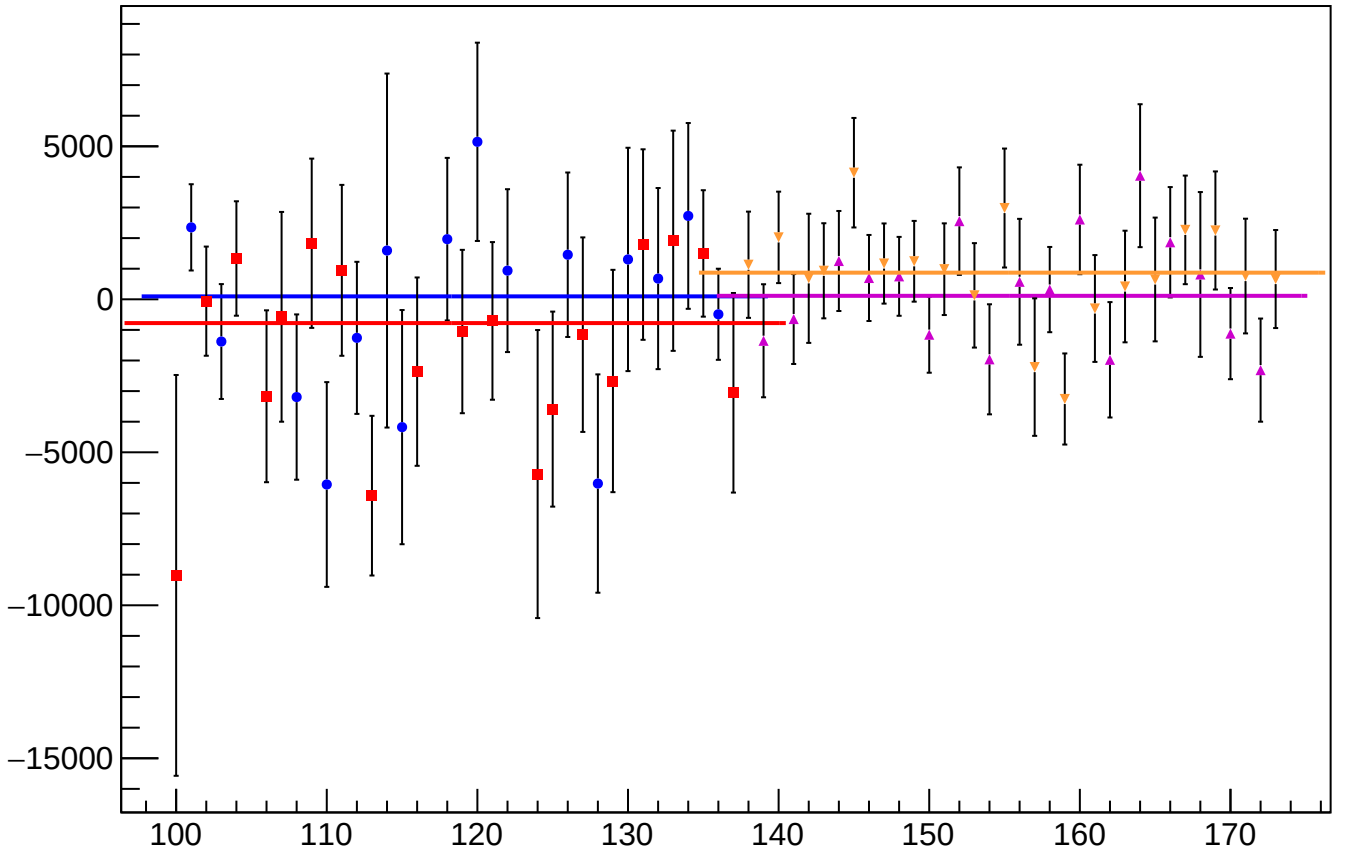
Left: 1094.812+/-0.144 χ^2/NDF: 7041.5/35

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

In: 1097.579+/-0.168 χ^2/NDF:17200.4/32

Out: 1098.856+/-0.164 χ^2/NDF:13533.0/37

All: 1098.235+/-0.117 χ^2/NDF: 30762.9/70



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 870.861+/-385.655 χ^2/NDF:16.7/18

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 113.835+/-398.595 χ^2/NDF:15.9/16

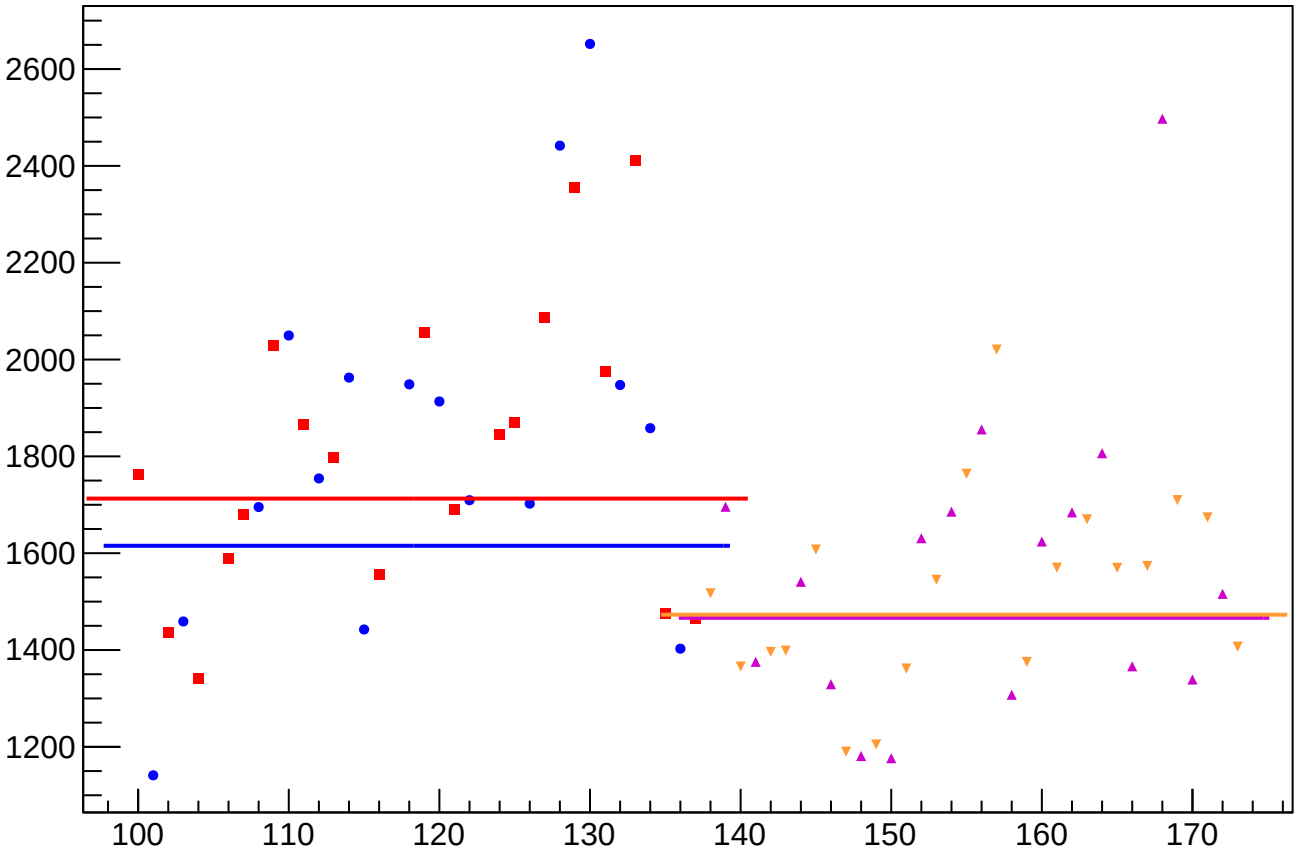
Left: 504.836+/-277.161 χ^2/NDF: 34.5/35

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

In: 108.584+/-334.981 χ^2/NDF:32.9/32

Out: 428.833+/-329.899 χ^2/NDF:36.7/37

All: 271.156+/-235.050 χ^2/NDF: 70.0/70



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1473.042+/-0.273 χ^2/NDF:489660.1/18

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1466.502+/-0.282 χ^2/NDF:813573.7/16

Left: 1469.880+/-0.196 χ^2/NDF: 1303511.9/35

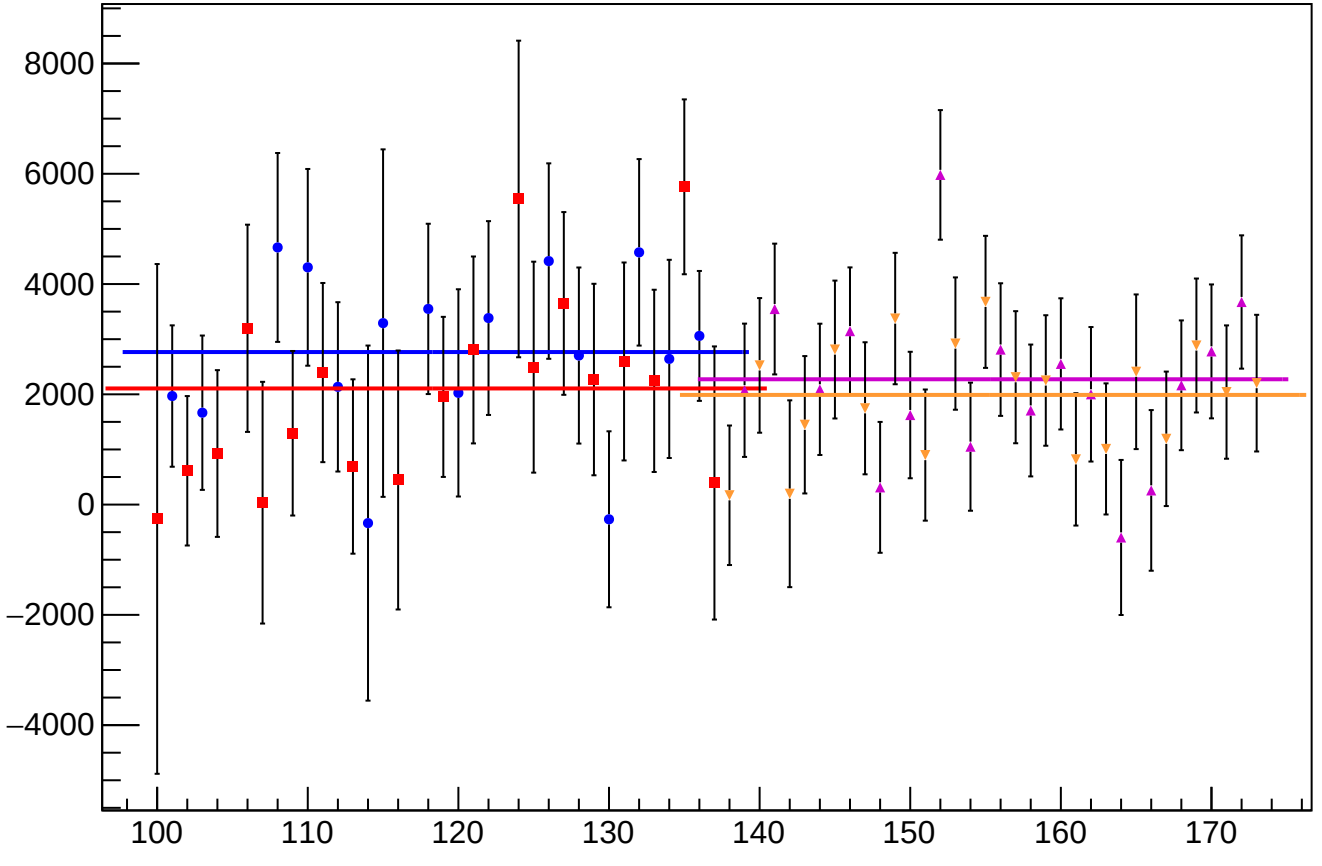
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1510.211+/-0.237 χ^2/NDF:1589084.2/32

Out: 1537.355+/-0.233 χ^2/NDF:1125074.7/37

All: 1523.991+/-0.166 χ^2/NDF: 2720825.2/70

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1989.146+/-283.594 χ^2/NDF:11.7/18

Right Out: 2106.358+/-405.586 χ^2/NDF: 13.4/18

Left In: 2272.878+/-293.422 χ^2/NDF:24.0/16

Left: 2126.180+/-203.917 χ^2/NDF: 36.2/35

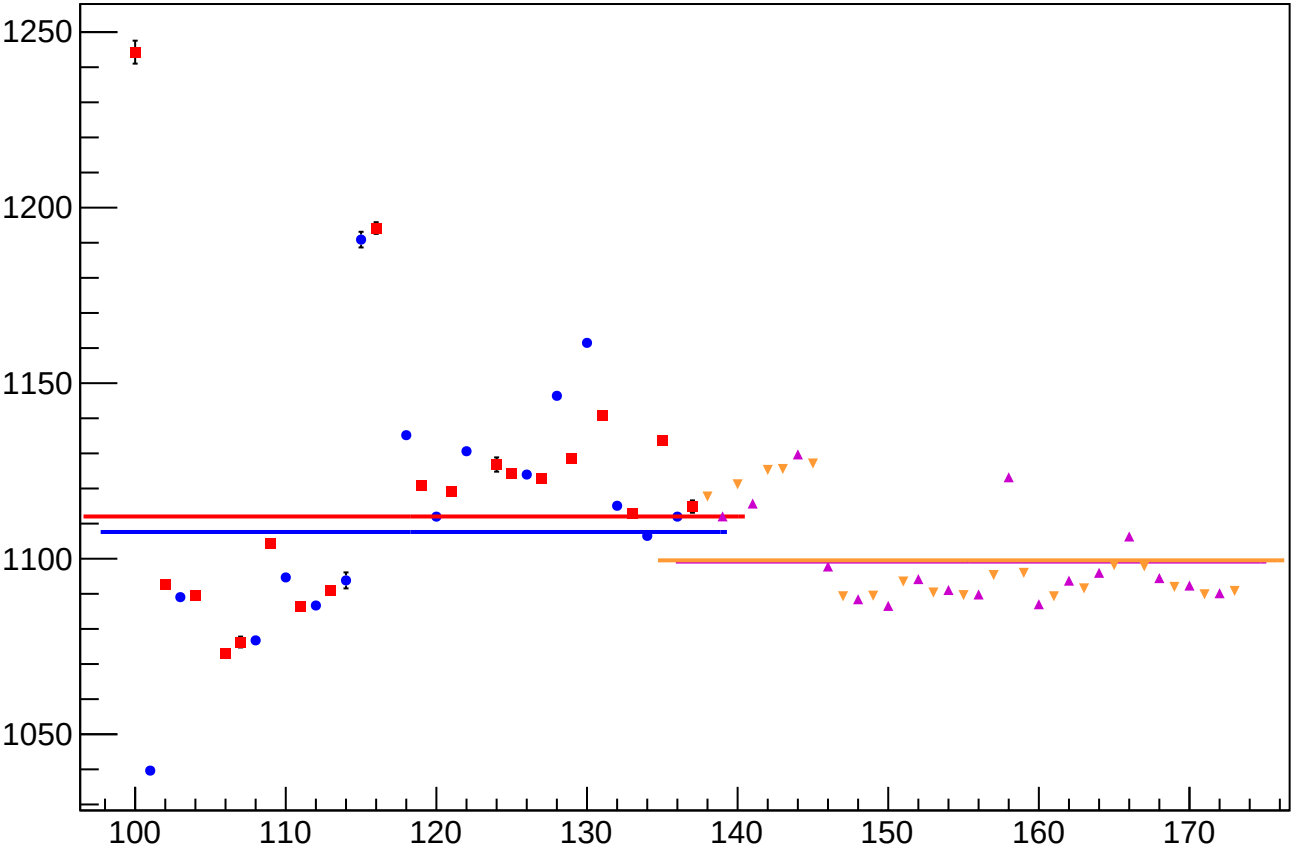
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2439.280+/-238.918 χ^2/NDF:35.3/32

Out: 2027.634+/-232.414 χ^2/NDF:25.1/37

All: 2227.777+/-166.594 χ^2/NDF: 61.9/70

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1099.532+/-0.201 χ^2/NDF:4532.0/18

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1099.179+/-0.207 χ^2/NDF:3913.4/16

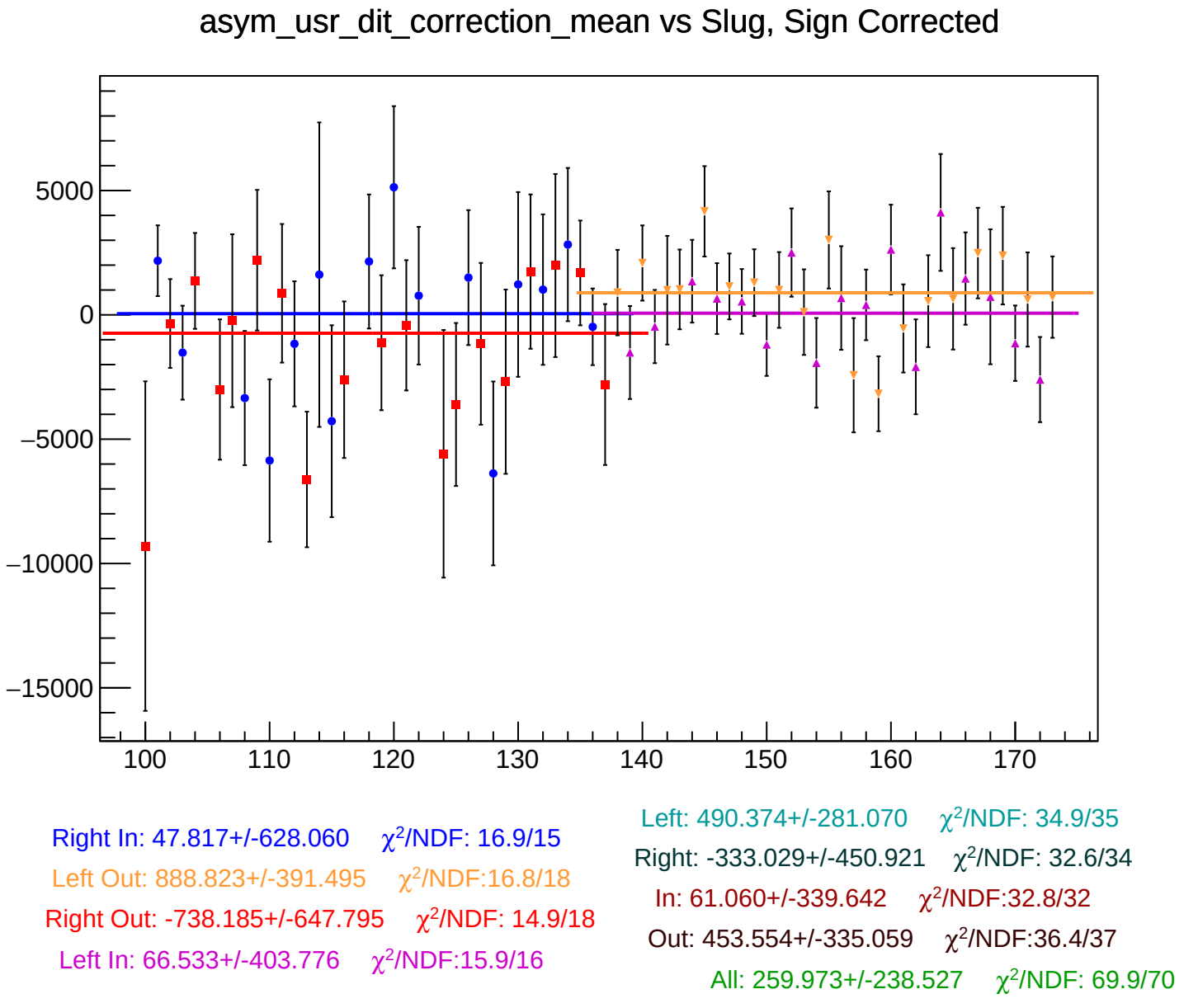
Left: 1099.362+/-0.144 χ^2/NDF: 8446.9/35

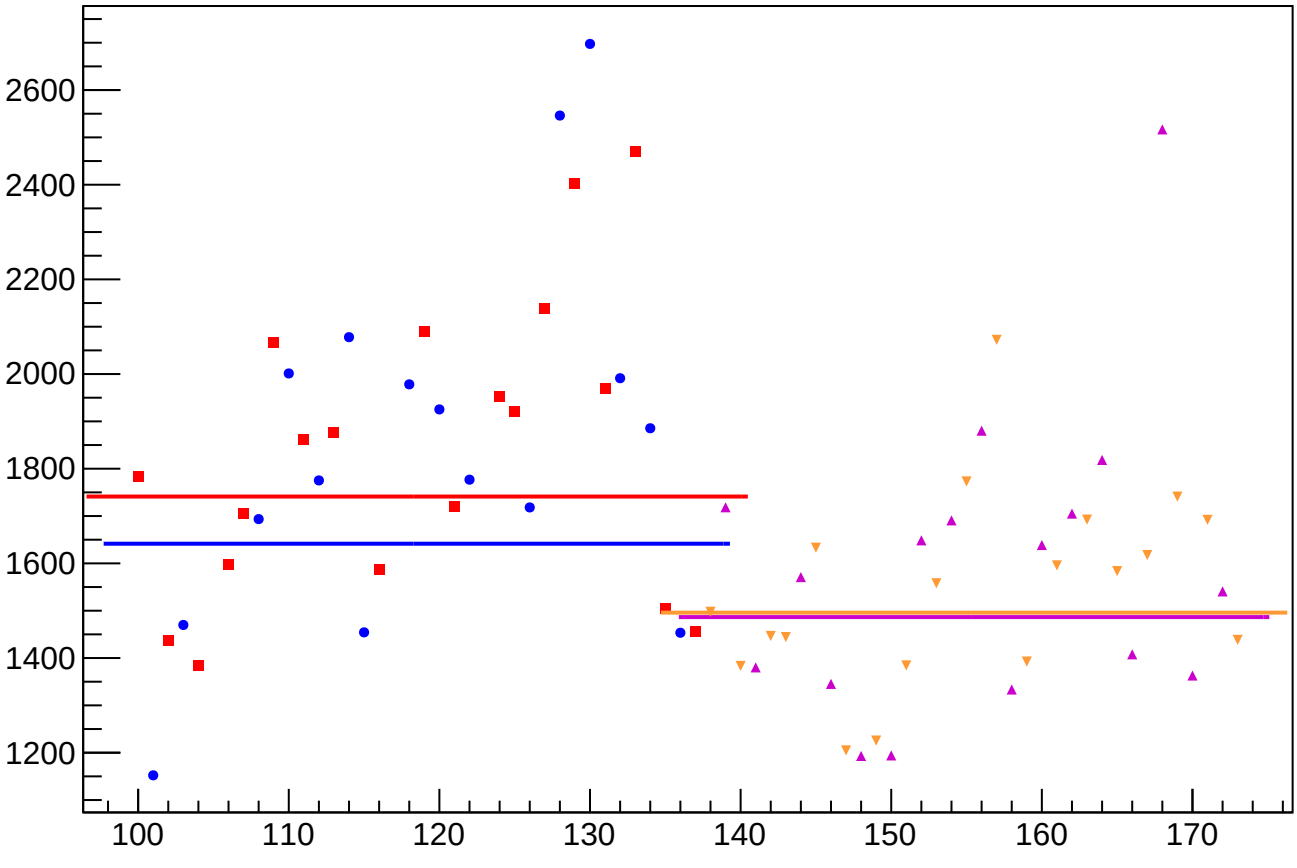
Right: 1109.854+/-0.204 χ^2/NDF: 21991.1/34

In: 1102.022+/-0.169 χ^2/NDF:17691.0/32

Out: 1103.636+/-0.164 χ^2/NDF:14460.8/37

All: 1102.851+/-0.118 χ^2/NDF: 32198.8/70


asym_usr_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 47.817+/-628.060 χ²/NDF: 16.9/15
Left Out: 888.823+/-391.495 χ²/NDF:16.8/18
Right Out: -738.185+/-647.795 χ²/NDF: 14.9/18
Left In: 66.533+/-403.776 χ²/NDF:15.9/16
Left: 490.374+/-281.070 χ²/NDF: 34.9/35
Right: -333.029+/-450.921 χ²/NDF: 32.6/34
In: 61.060+/-339.642 χ²/NDF:32.8/32
Out: 453.554+/-335.059 χ²/NDF:36.4/37
All: 259.973+/-238.527 χ²/NDF: 69.9/70



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1495.926+/-0.277 χ^2/NDF:488574.6/18

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1486.495+/-0.286 χ^2/NDF:799501.3/16

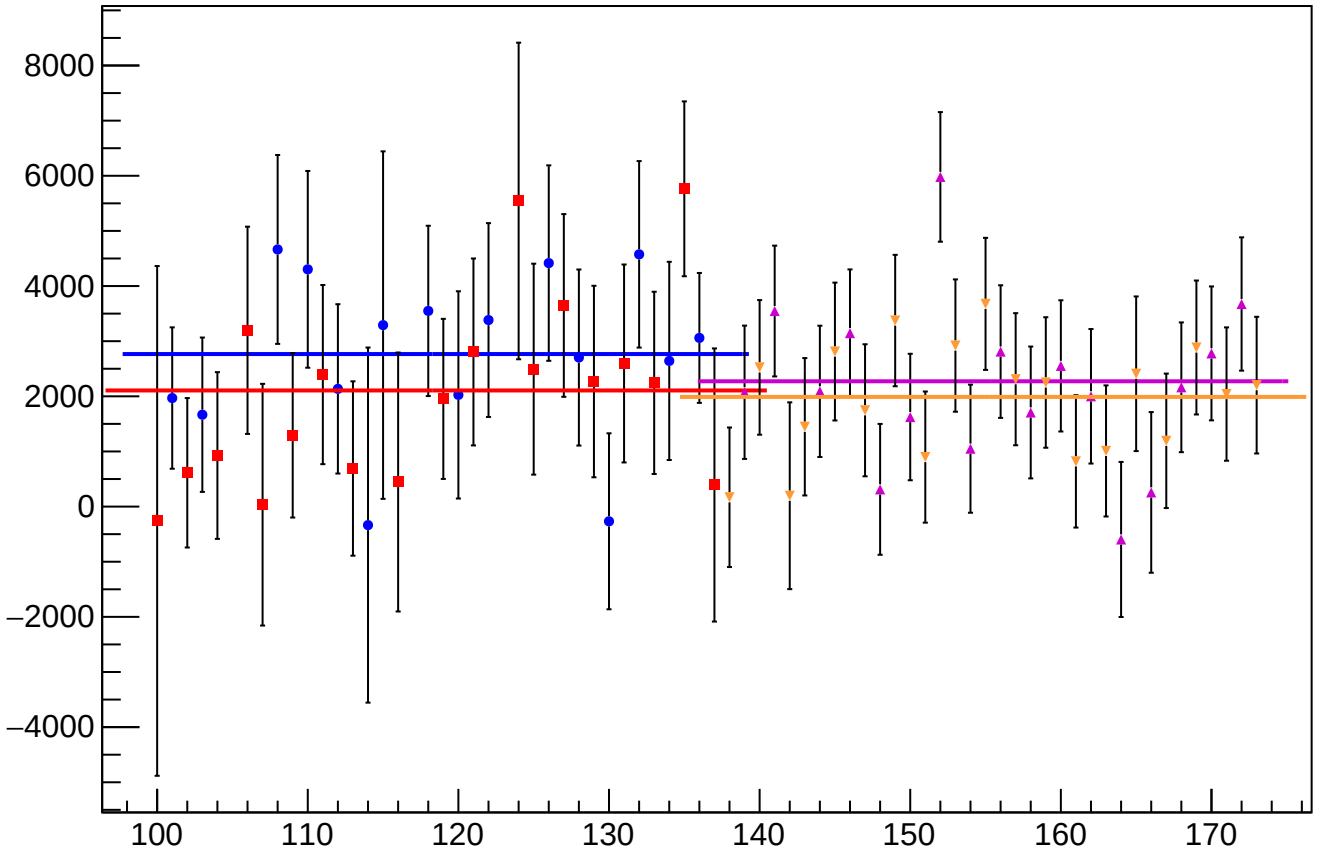
Left: 1491.356+/-0.199 χ^2/NDF: 1288638.3/35

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

In: 1531.836+/-0.240 χ^2/NDF:1587049.8/32

Out: 1561.543+/-0.237 χ^2/NDF:1136926.0/37

All: 1546.891+/-0.169 χ^2/NDF: 2731730.1/70


eigen_dit_asym_usr_mean vs Slug, Sign Corrected
8000
6000
4000
2000
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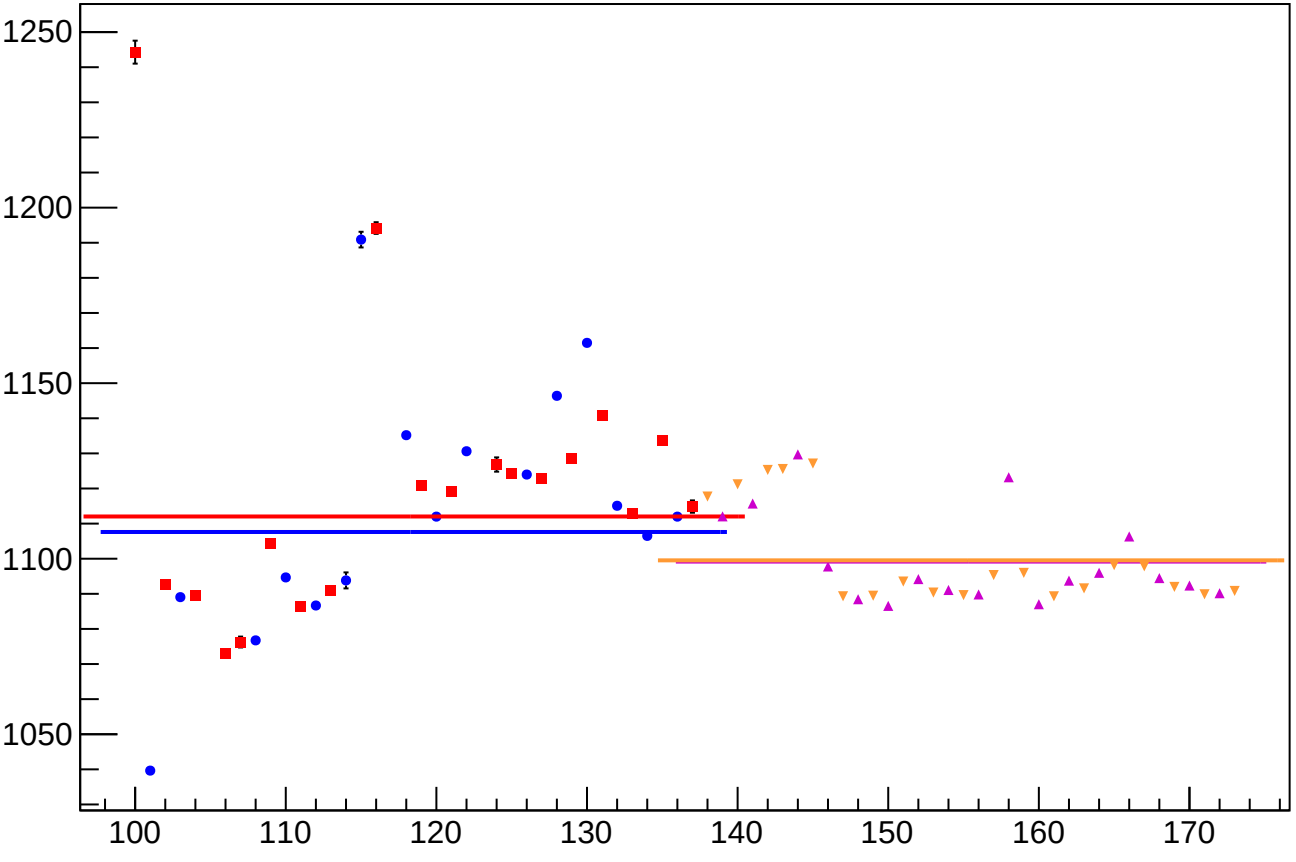
−2000
−4000
100
110
120
130
140
150
160
170
Right In: 2766.656+/-411.563 χ²/NDF: 10.3/15
Left Out: 1989.144+/-283.594 χ²/NDF:11.7/18
Right Out: 2106.360+/-405.586 χ²/NDF: 13.4/18
Left In: 2272.878+/-293.422 χ²/NDF:24.0/16
Left: 2126.180+/-203.917 χ²/NDF: 36.2/35
Right: 2431.678+/-288.882 χ²/NDF: 25.0/34
In: 2439.280+/-238.918 χ²/NDF:35.3/32
Out: 2027.634+/-232.414 χ²/NDF:25.1/37
All: 2227.777+/-166.594 χ²/NDF: 61.9/70

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1099.532+/-0.201 χ^2/NDF:4532.0/18

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1099.179+/-0.207 χ^2/NDF:3913.4/16

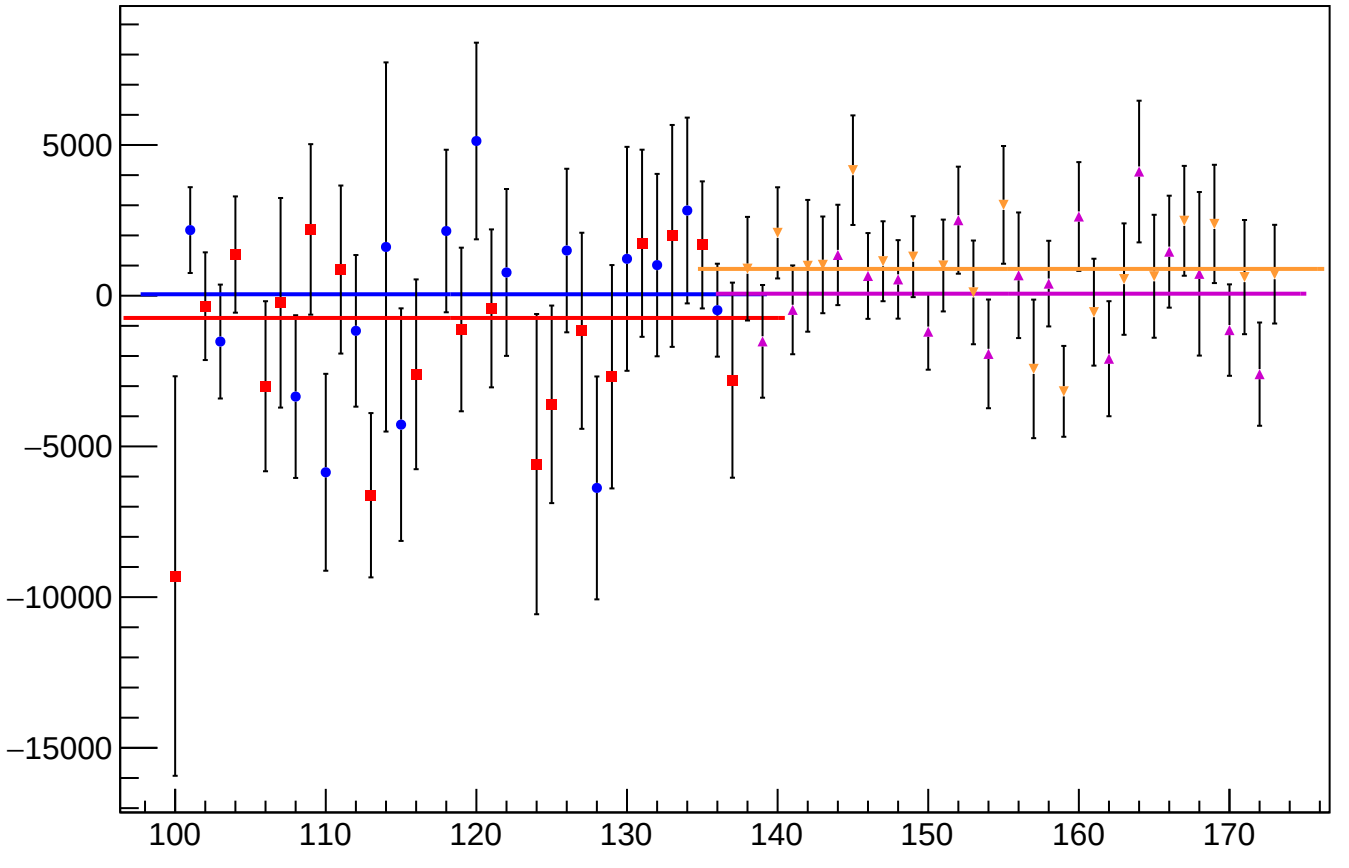
Left: 1099.362+/-0.144 χ^2/NDF: 8446.9/35

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

In: 1102.022+/-0.169 χ^2/NDF:17690.9/32

Out: 1103.636+/-0.164 χ^2/NDF:14460.8/37

All: 1102.851+/-0.118 χ^2/NDF: 32198.6/70



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 888.822+/-391.496 χ^2/NDF:16.8/18

Right Out: -738.188+/-647.795 χ^2/NDF: 14.9/18

Left In: 66.534+/-403.777 χ^2/NDF:15.9/16

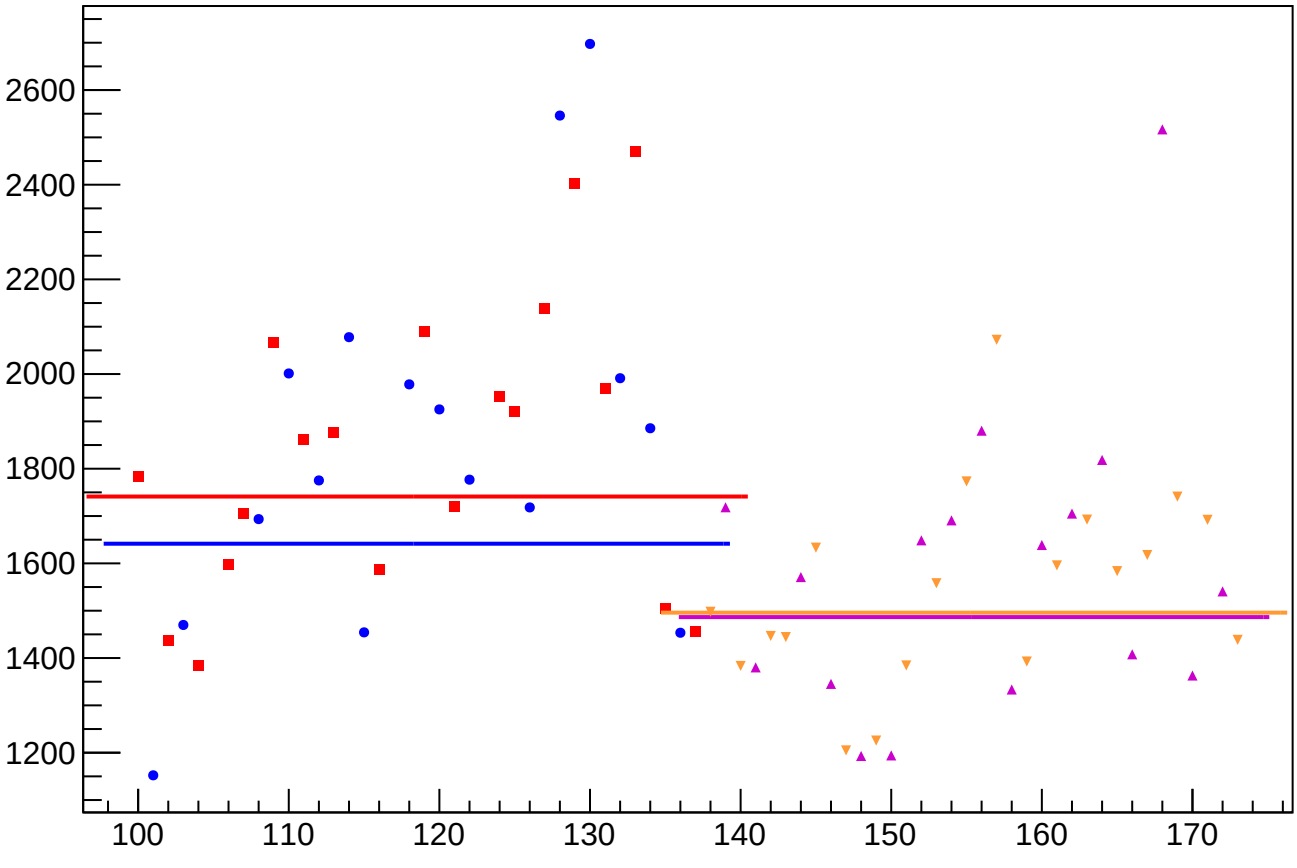
Left: 490.374+/-281.071 χ^2/NDF: 34.9/35

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

In: 61.059+/-339.643 χ^2/NDF:32.8/32

Out: 453.550+/-335.060 χ^2/NDF:36.4/37

All: 259.970+/-238.527 χ^2/NDF: 69.9/70



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1495.929+/-0.277 χ^2/NDF:488579.1/18

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1486.498+/-0.286 χ^2/NDF:799507.1/16

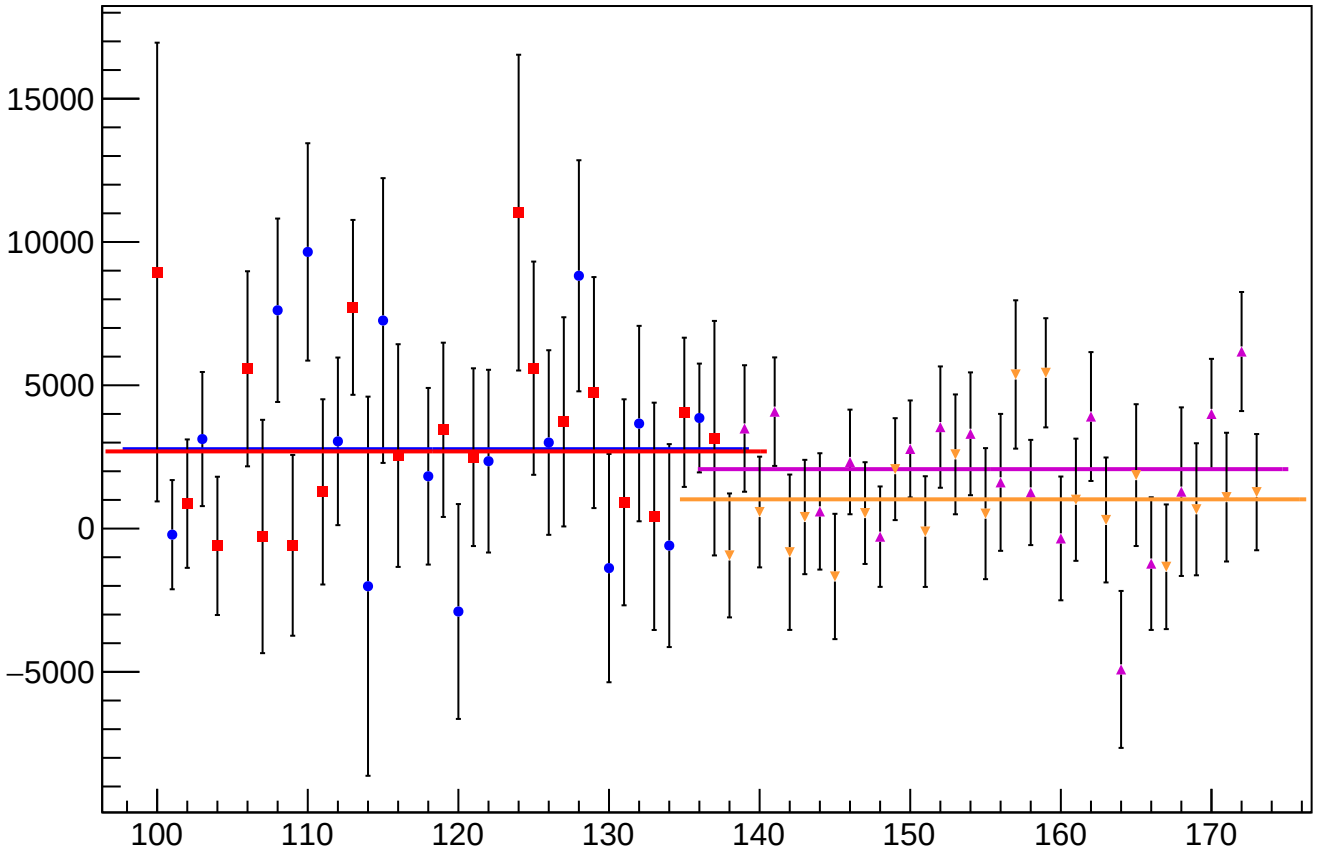
Left: 1491.360+/-0.199 χ^2/NDF: 1288648.6/35

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

In: 1531.838+/-0.240 χ^2/NDF:1587037.0/32

Out: 1561.546+/-0.237 χ^2/NDF:1136909.5/37

All: 1546.894+/-0.169 χ^2/NDF: 2731701.1/70



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1020.570+/-484.499 χ^2/NDF:14.0/18

Right Out: 2692.625+/-765.754 χ^2/NDF: 12.5/18

Left In: 2073.646+/-502.184 χ^2/NDF:20.6/16

Left: 1528.239+/-348.677 χ^2/NDF: 36.8/35

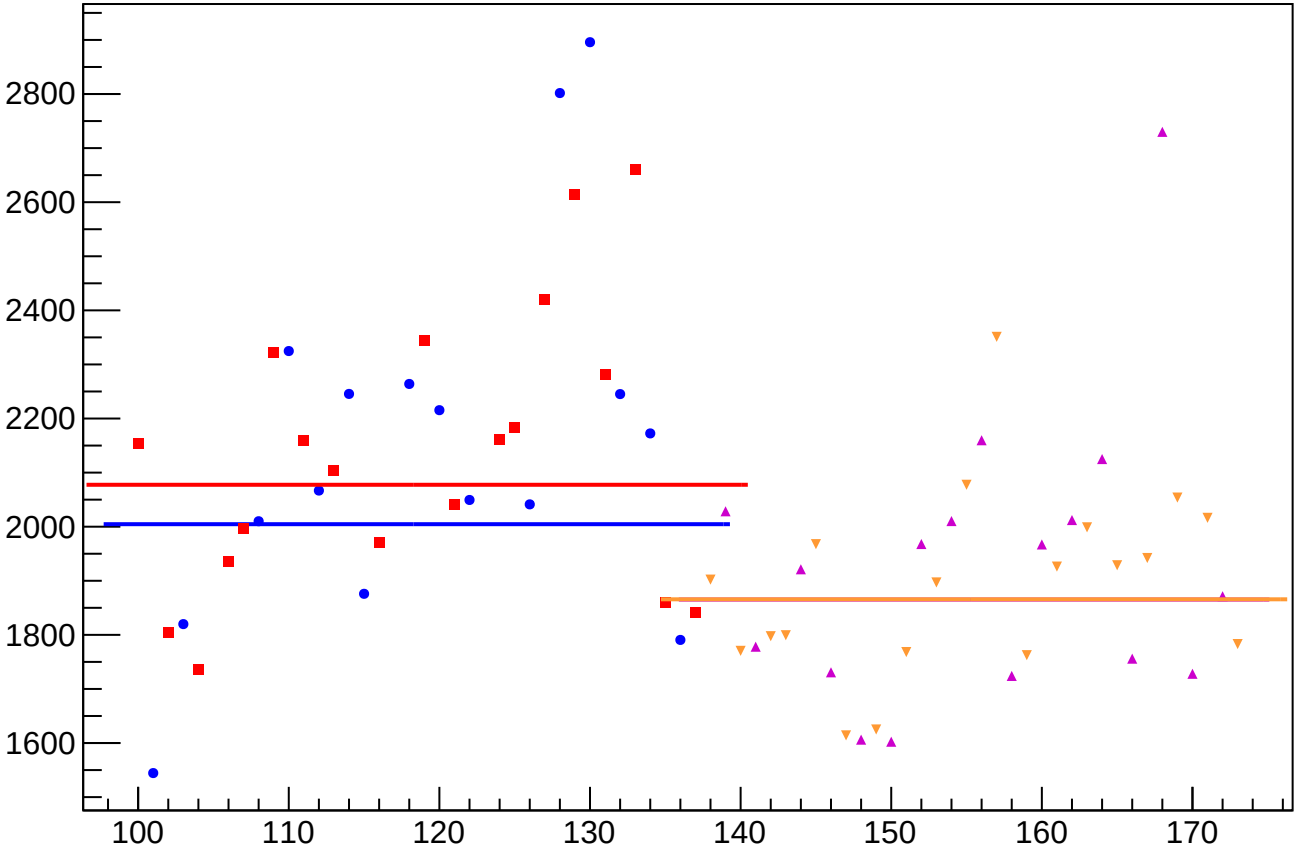
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2286.391+/-418.493 χ^2/NDF:37.6/32

Out: 1498.574+/-409.430 χ^2/NDF:29.9/37

All: 1883.859+/-292.662 χ^2/NDF: 69.3/70

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1865.742+/-0.343 χ^2/NDF:227460.3/18

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1865.250+/-0.355 χ^2/NDF:394186.3/16

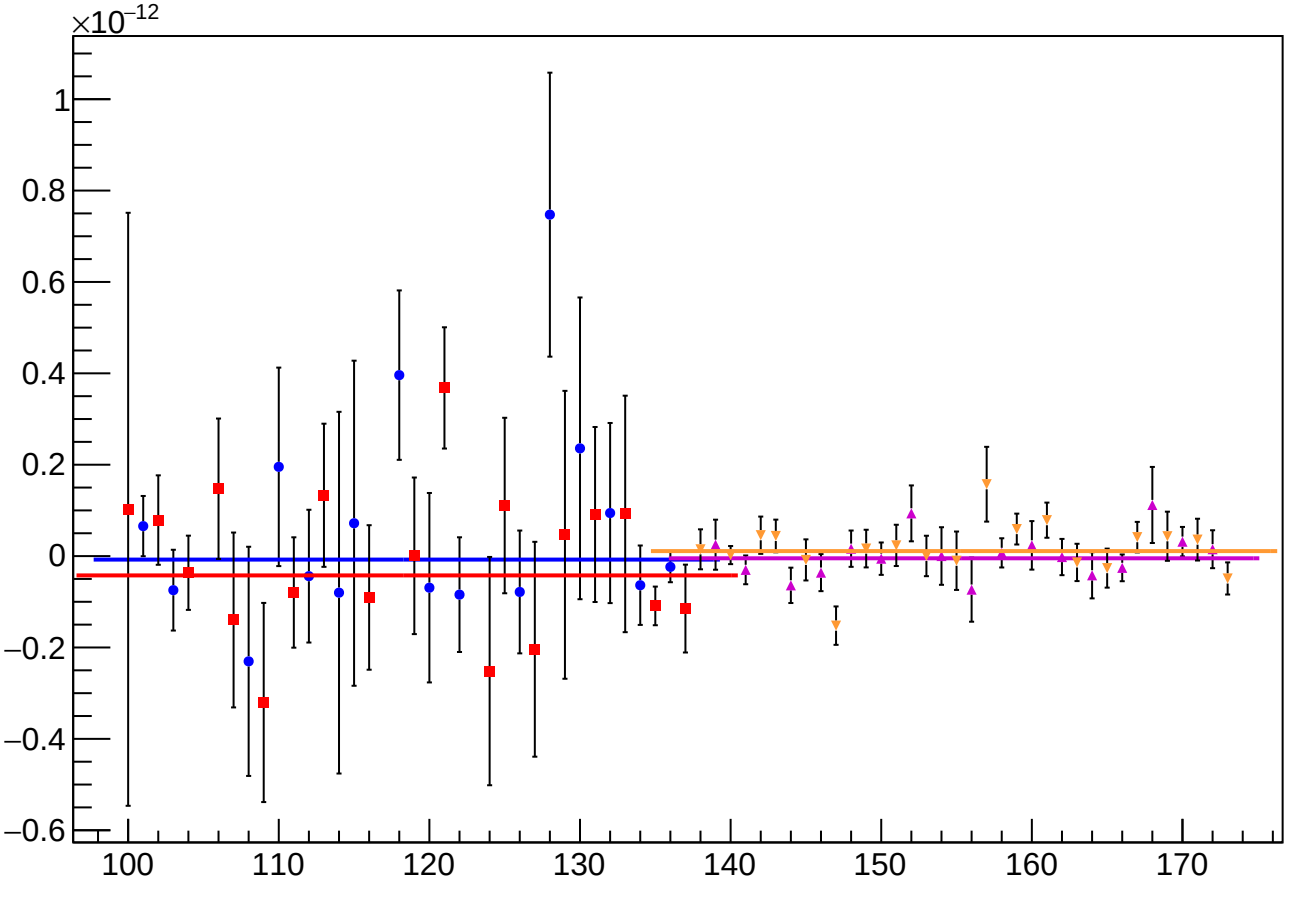
Left: 1865.505+/-0.247 χ^2/NDF: 621647.5/35

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

In: 1907.837+/-0.296 χ^2/NDF:828829.0/32

Out: 1926.279+/-0.290 χ^2/NDF:567163.2/37

All: 1917.260+/-0.207 χ^2/NDF: 1397976.6/70



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/16

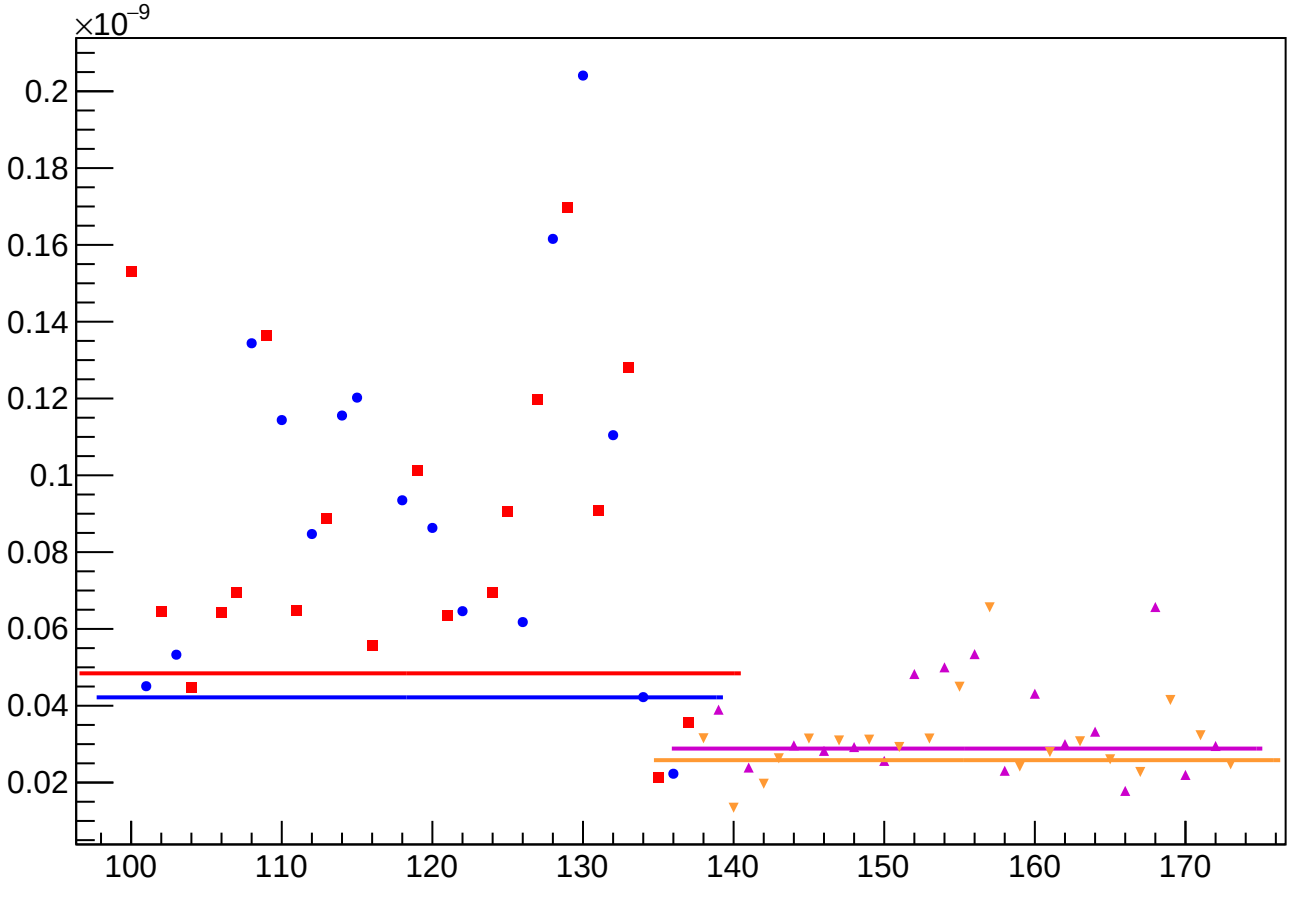
Left: 0.000+/-0.000 χ^2/NDF: 45.2/35

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

In: -0.000+/-0.000 χ^2/NDF:29.1/32

Out: 0.000+/-0.000 χ^2/NDF:56.4/37

All: 0.000+/-0.000 χ^2/NDF: 86.3/70



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1921689.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1800860.8/16

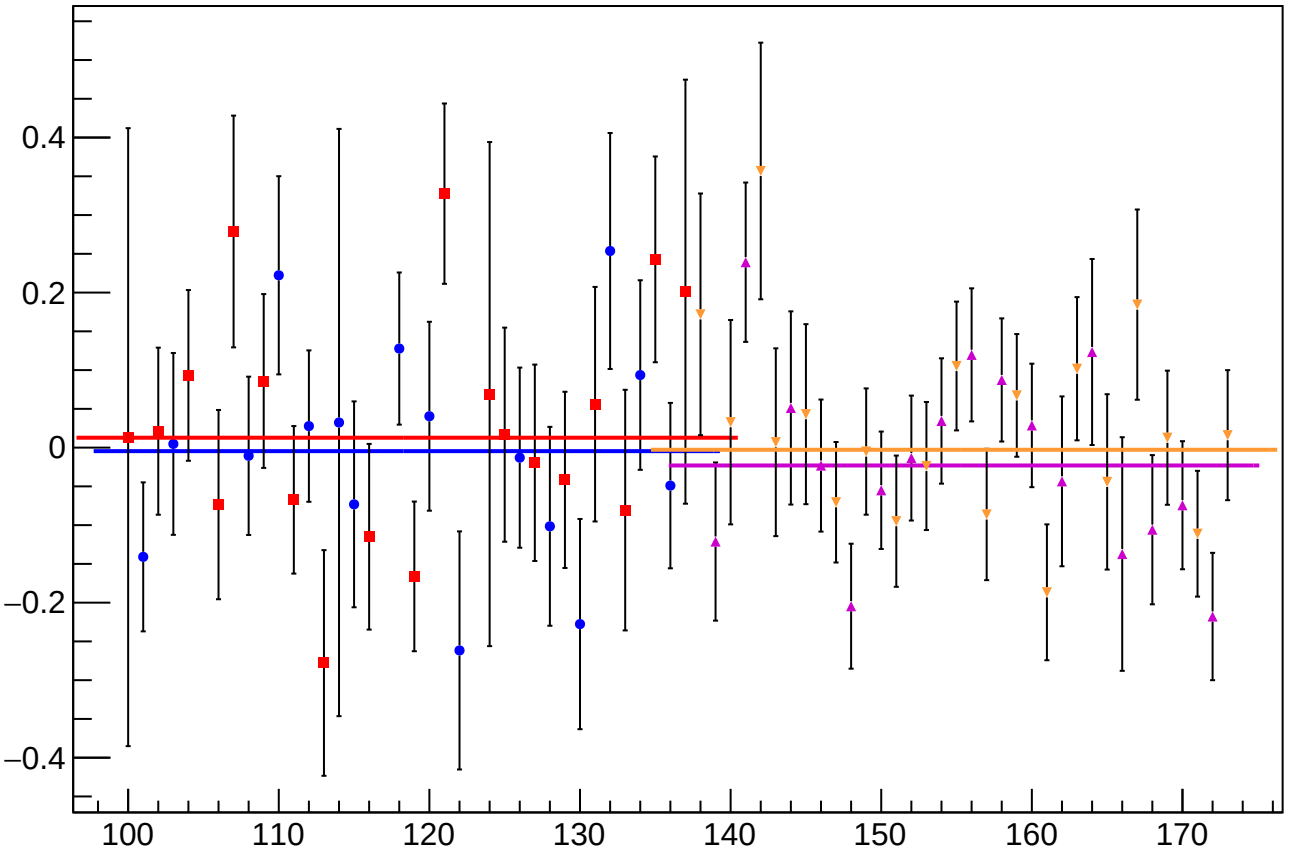
Left: 0.000+/-0.000 χ^2/NDF: 3824379.7/35

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

In: 0.000+/-0.000 χ^2/NDF:5250160.6/32

Out: 0.000+/-0.000 χ^2/NDF:5790891.4/37

All: 0.000+/-0.000 χ^2/NDF: 11138111.6/70



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.003+/-0.022 χ^2/NDF:21.7/18

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.023+/-0.022 χ^2/NDF:27.5/16

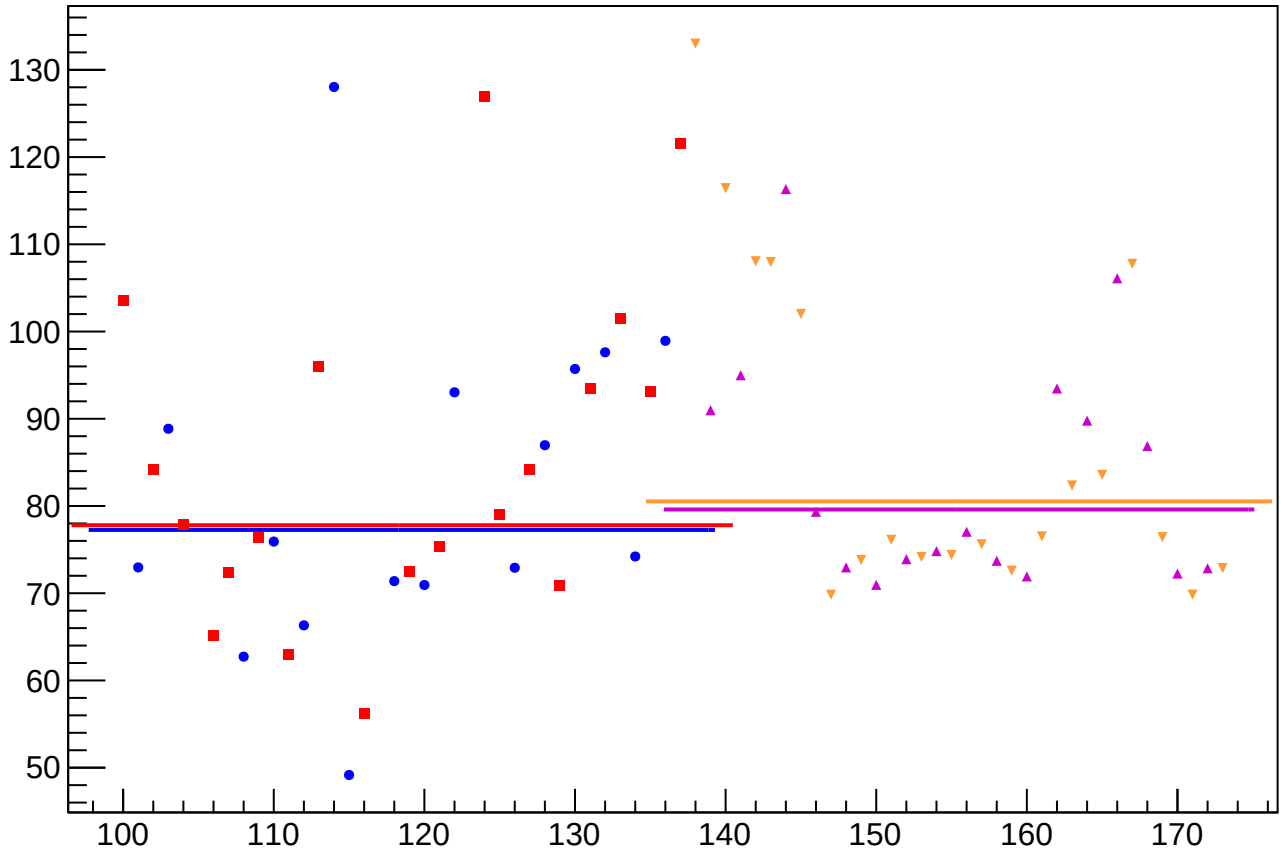
Left: -0.013+/-0.015 χ^2/NDF: 49.6/35

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.017+/-0.018 χ^2/NDF:45.1/32

Out: 0.003+/-0.017 χ^2/NDF:47.3/37

All: -0.007+/-0.012 χ^2/NDF: 93.0/70



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 80.528+/-0.015 χ^2/NDF:868963.6/18

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.599+/-0.016 χ^2/NDF:480374.5/16

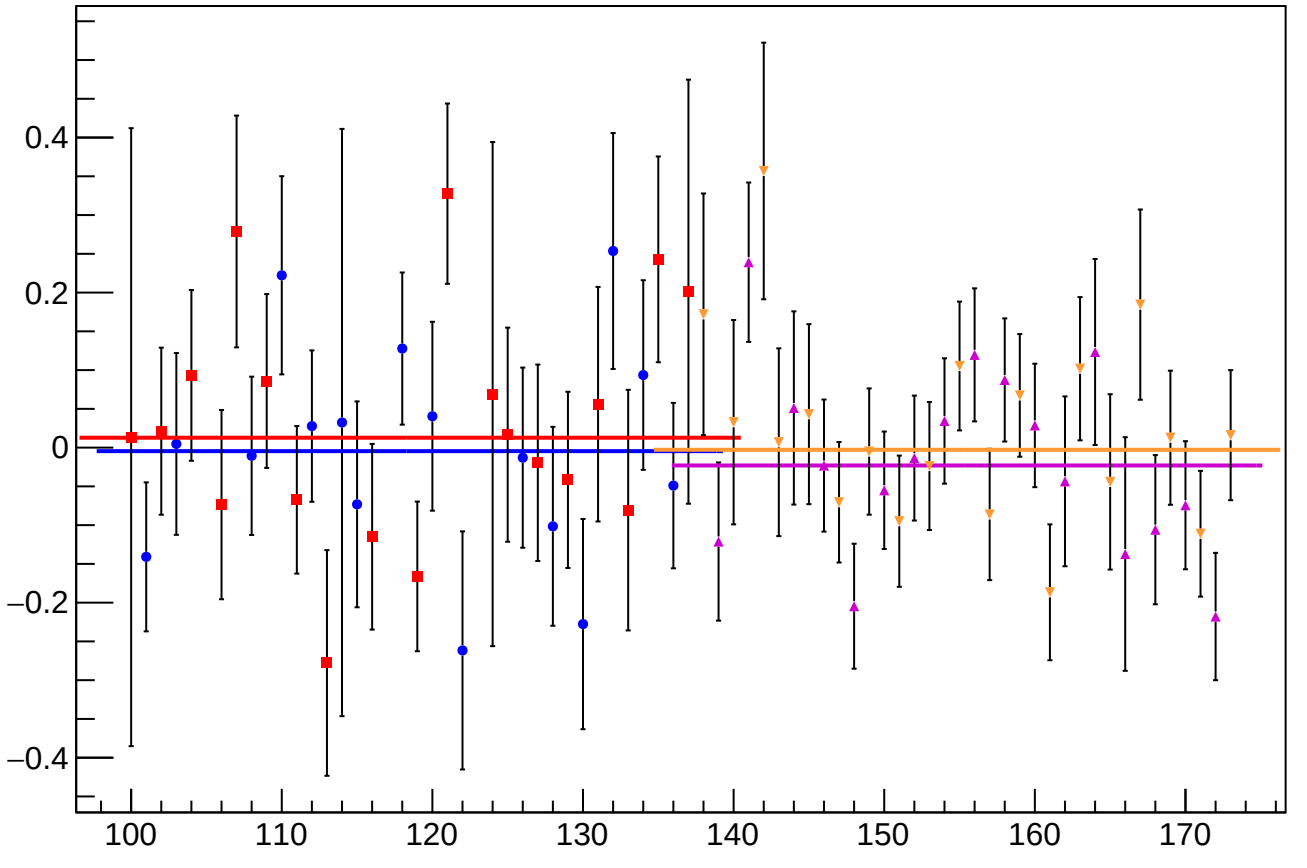
Left: 80.071+/-0.011 χ^2/NDF: 1351159.7/35

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

In: 78.786+/-0.013 χ^2/NDF:907583.0/32

Out: 79.584+/-0.012 χ^2/NDF:1276499.1/37

All: 79.191+/-0.009 χ^2/NDF: 2186140.1/70



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.003+/-0.022 χ^2/NDF:21.7/18

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.023+/-0.022 χ^2/NDF:27.5/16

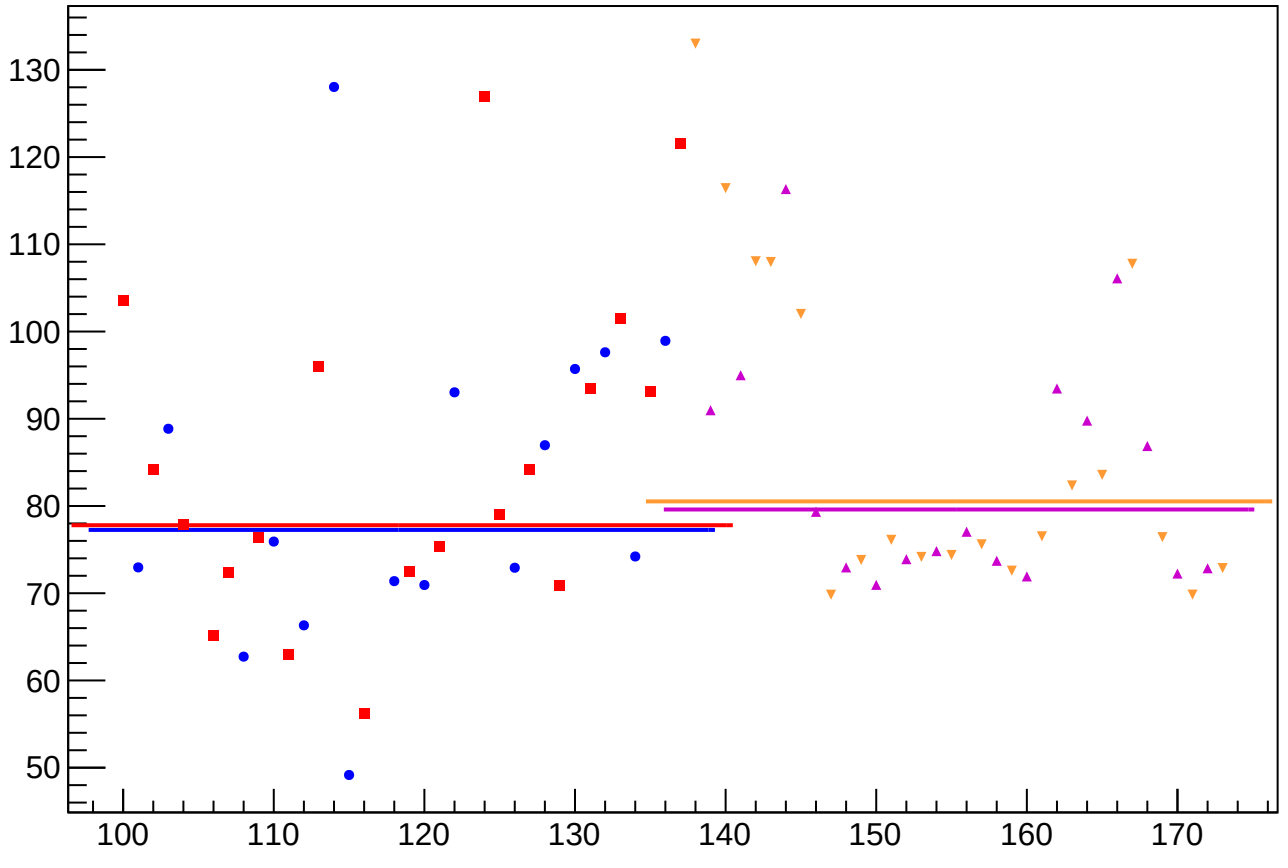
Left: -0.013+/-0.015 χ^2/NDF: 49.6/35

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.017+/-0.018 χ^2/NDF:45.1/32

Out: 0.003+/-0.017 χ^2/NDF:47.3/37

All: -0.007+/-0.012 χ^2/NDF: 93.0/70



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 80.528+/-0.015 χ^2/NDF:868963.6/18

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.599+/-0.016 χ^2/NDF:480374.5/16

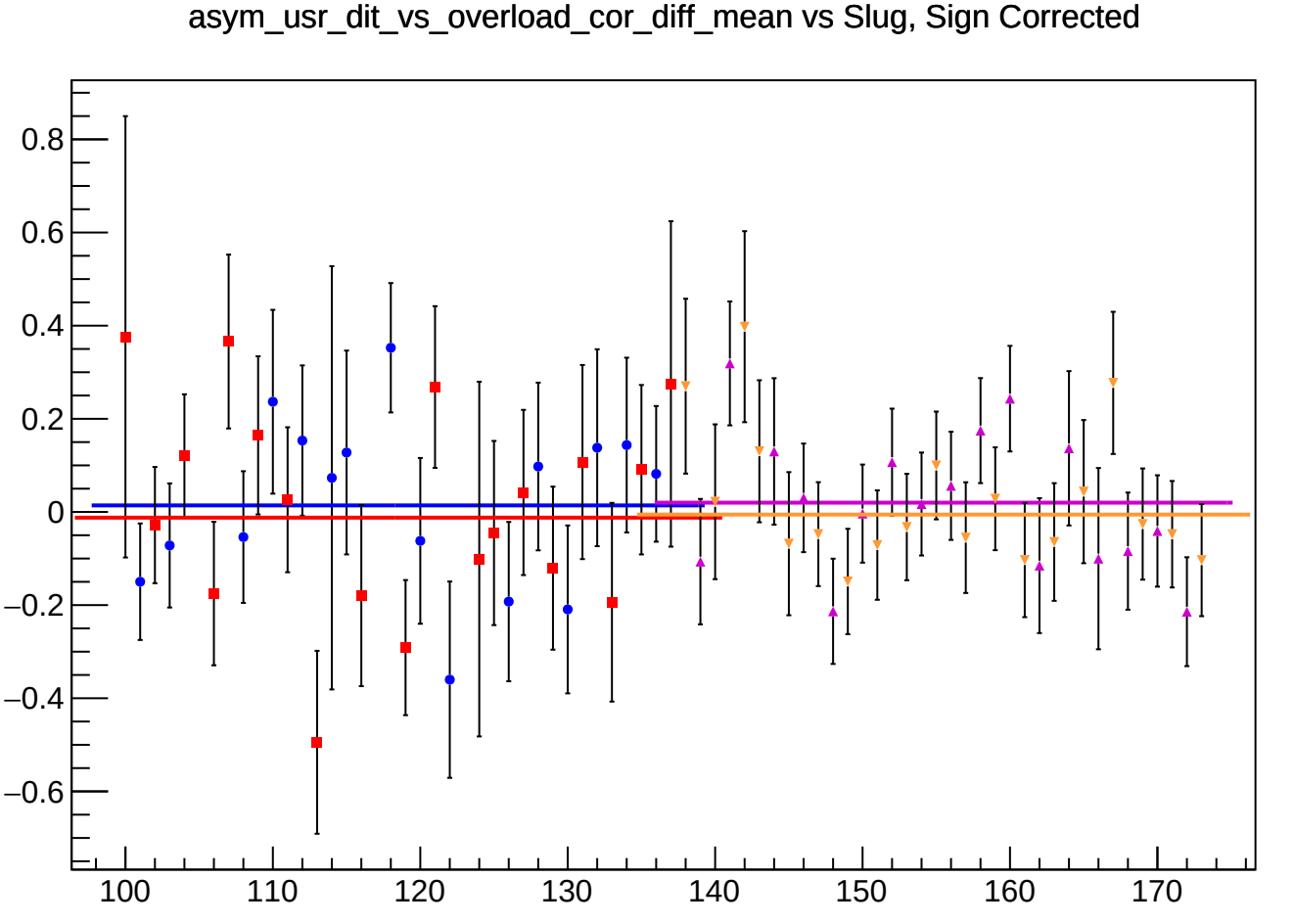
Left: 80.071+/-0.011 χ^2/NDF: 1351159.7/35

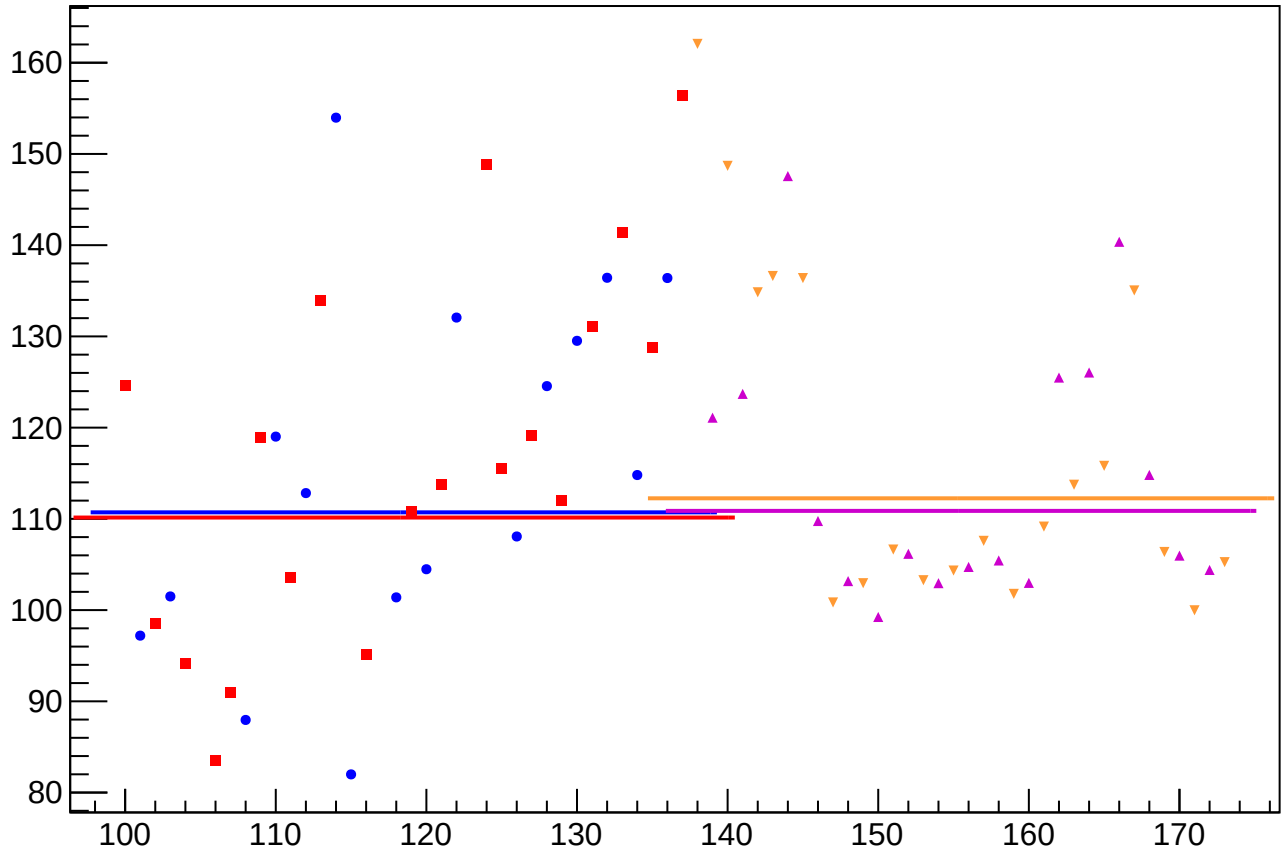
Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 78.786+/-0.013 χ^2/NDF:907583.0/32

Out: 79.584+/-0.012 χ^2/NDF:1276499.1/37

All: 79.191+/-0.009 χ^2/NDF: 2186140.1/70


asym_usr_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: -0.006+/-0.030 χ²/NDF:15.4/18
Right Out: -0.012+/-0.041 χ²/NDF: 23.8/18
Left In: 0.020+/-0.030 χ²/NDF:23.9/16
Left: 0.007+/-0.021 χ²/NDF: 39.7/35
Right: 0.001+/-0.030 χ²/NDF: 42.1/34
In: 0.018+/-0.025 χ²/NDF:42.1/32
Out: -0.008+/-0.024 χ²/NDF:39.2/37
All: 0.005+/-0.017 χ²/NDF: 81.9/70



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 112.253+/-0.021 χ^2/NDF:525398.5/18

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 110.874+/-0.021 χ^2/NDF:301025.3/16

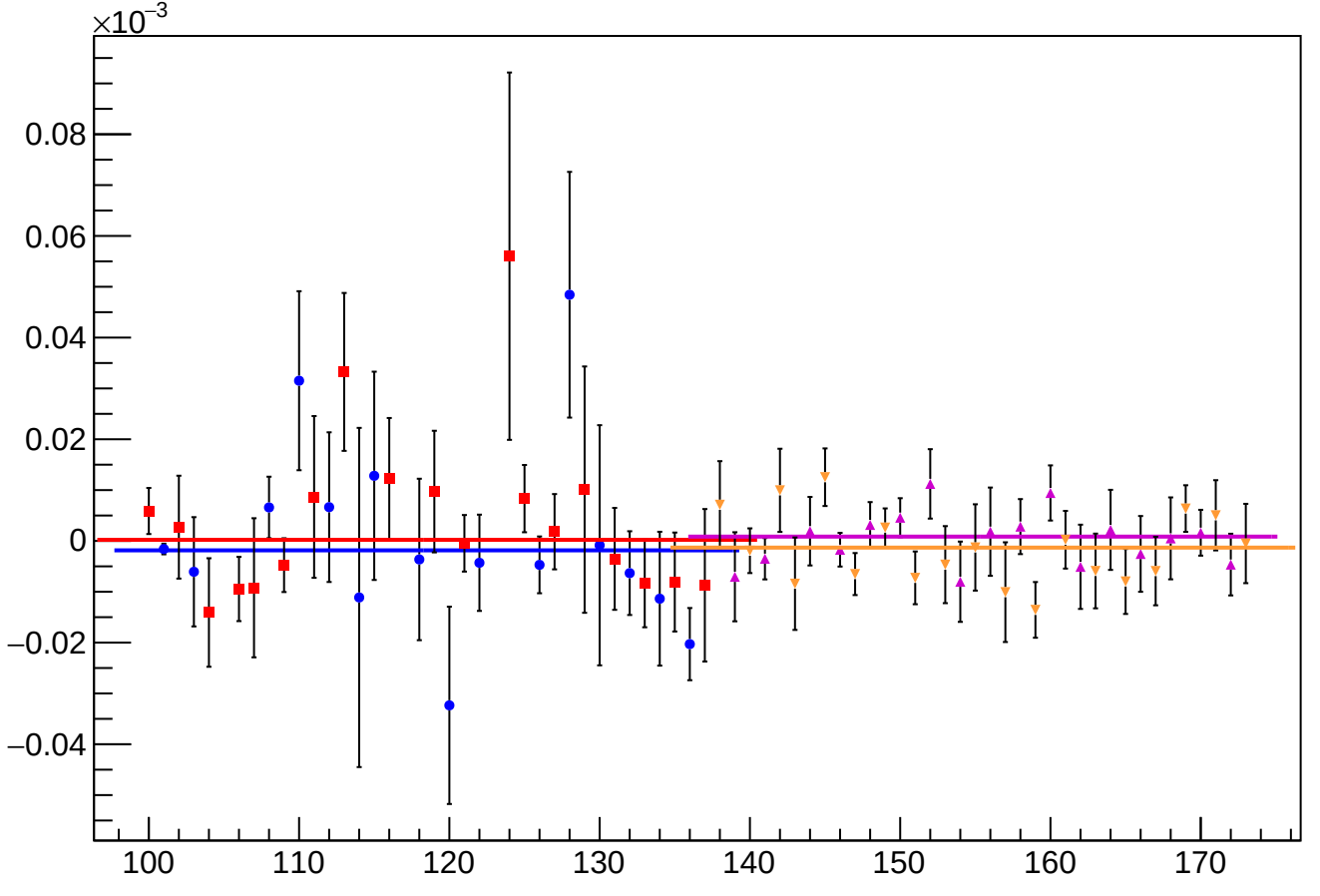
Left: 111.576+/-0.015 χ^2/NDF: 828550.8/35

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

In: 110.820+/-0.017 χ^2/NDF:601017.0/32

Out: 111.537+/-0.017 χ^2/NDF:855565.1/37

All: 111.186+/-0.012 χ^2/NDF: 1457450.6/70



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.6/16

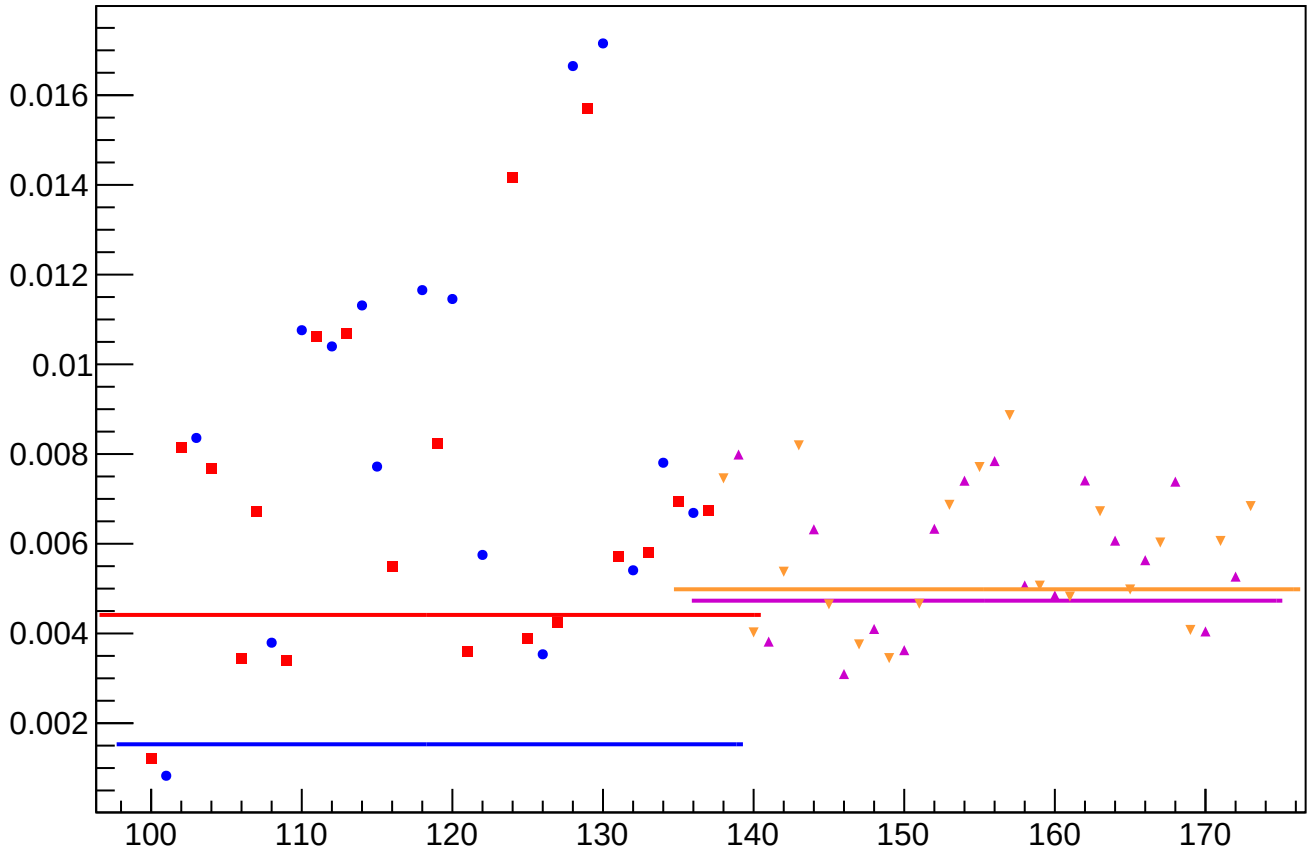
Left: -0.000+/-0.000 χ^2/NDF: 38.0/35

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

In: -0.000+/-0.000 χ^2/NDF:35.7/32

Out: -0.000+/-0.000 χ^2/NDF:45.4/37

All: -0.000+/-0.000 χ^2/NDF: 81.1/70



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:2081587.8/18

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.005+/-0.000 χ^2/NDF:2361617.3/16

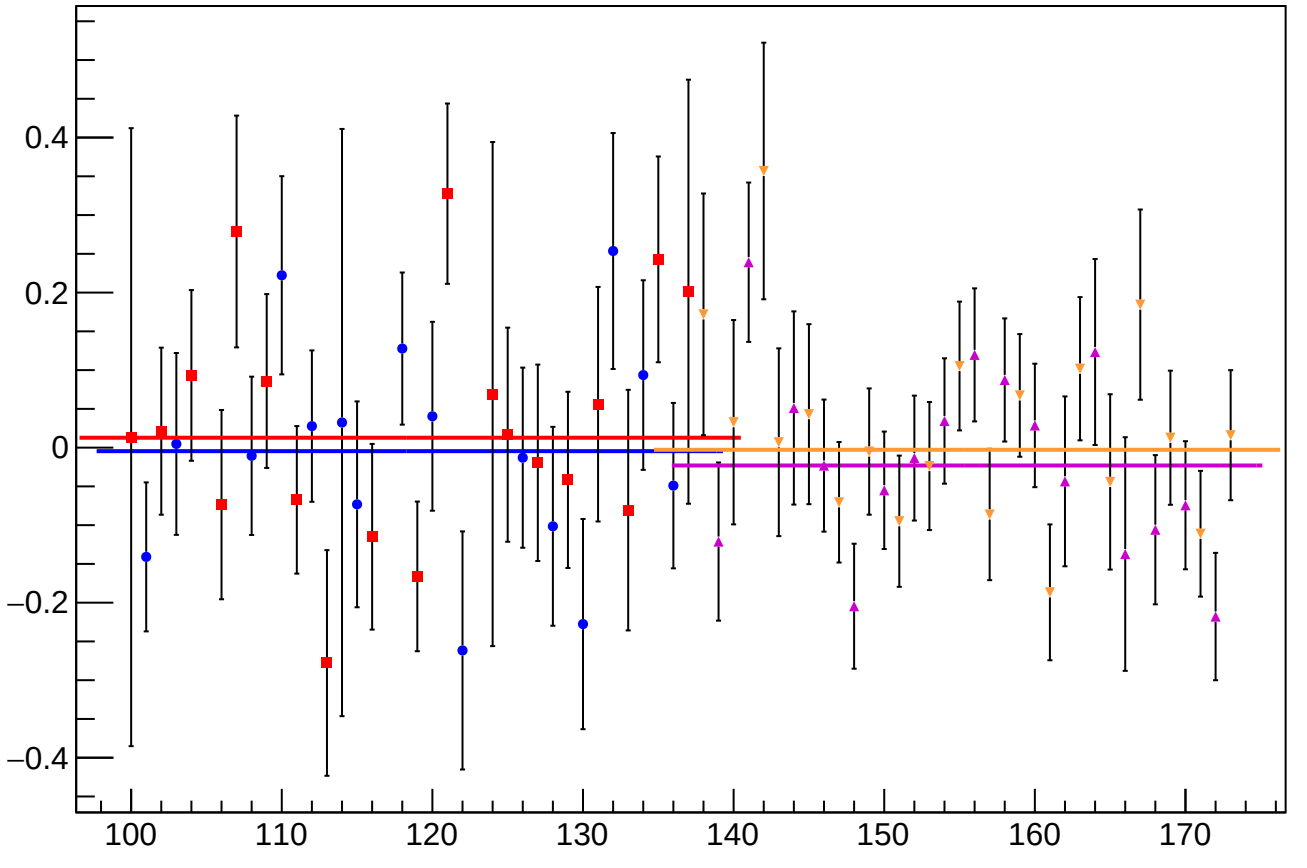
Left: 0.005+/-0.000 χ^2/NDF: 4479027.7/35

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

In: 0.003+/-0.000 χ^2/NDF:19118270.5/32

Out: 0.005+/-0.000 χ^2/NDF:5587578.1/37

All: 0.003+/-0.000 χ^2/NDF: 29732274.4/70



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.003+/-0.022 χ^2/NDF:21.7/18

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.023+/-0.022 χ^2/NDF:27.5/16

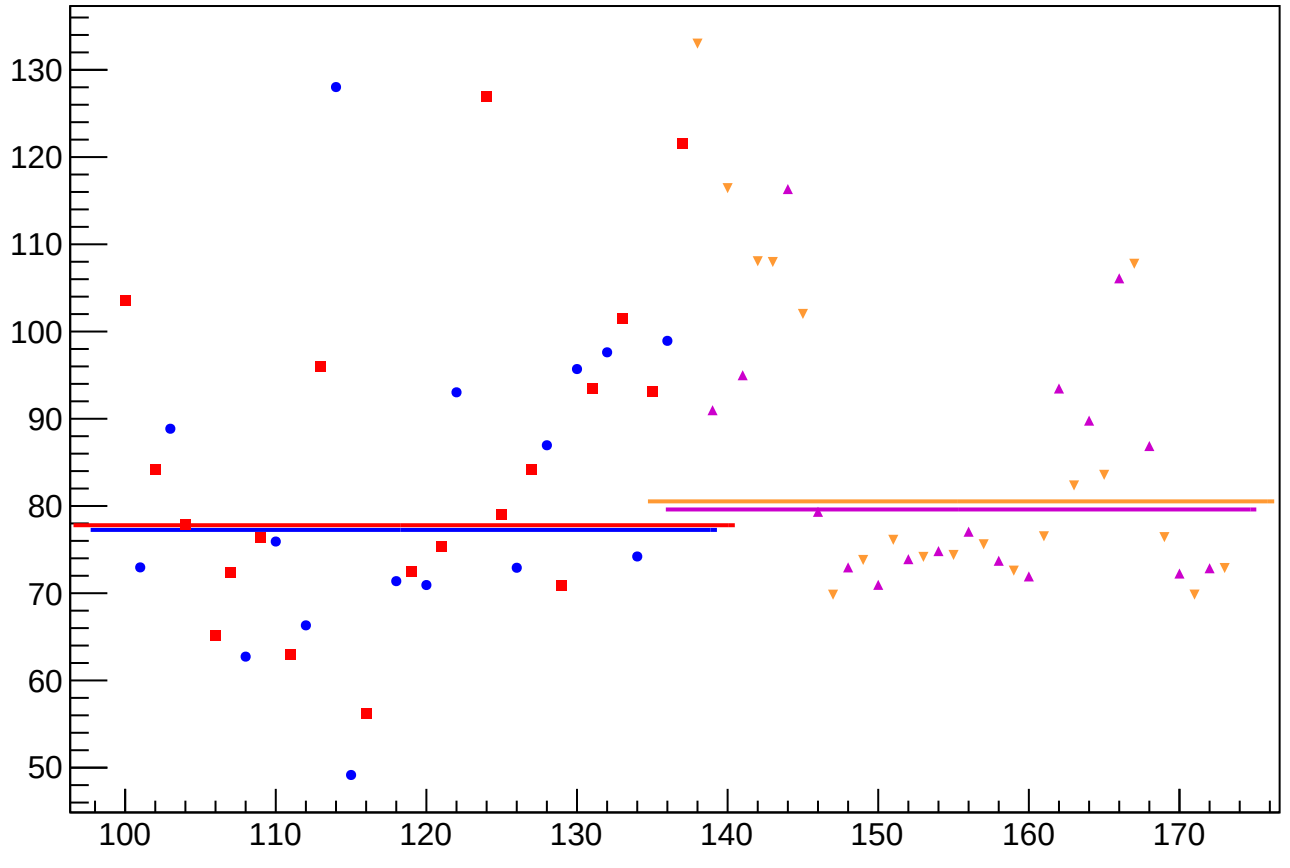
Left: -0.013+/-0.015 χ^2/NDF: 49.6/35

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.017+/-0.018 χ^2/NDF:45.1/32

Out: 0.003+/-0.017 χ^2/NDF:47.3/37

All: -0.007+/-0.012 χ^2/NDF: 93.0/70



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 80.529+/-0.015 χ^2/NDF:868964.9/18

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.600+/-0.016 χ^2/NDF:480377.4/16

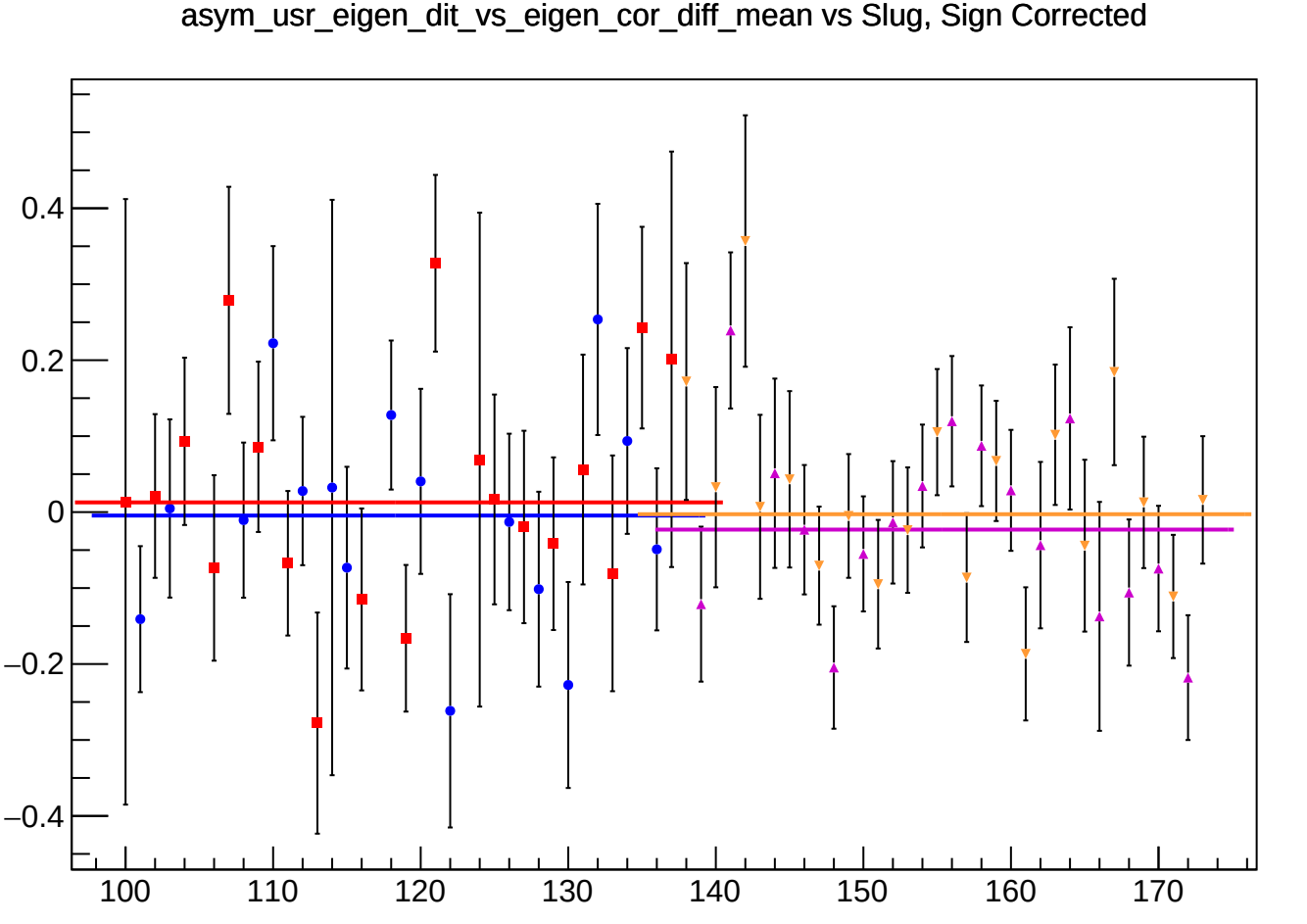
Left: 80.071+/-0.011 χ^2/NDF: 1351164.0/35

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

In: 78.786+/-0.013 χ^2/NDF:907586.8/32

Out: 79.584+/-0.012 χ^2/NDF:1276514.9/37

All: 79.190+/-0.009 χ^2/NDF: 2186159.8/70


asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
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−0.2
−0.4
100
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120
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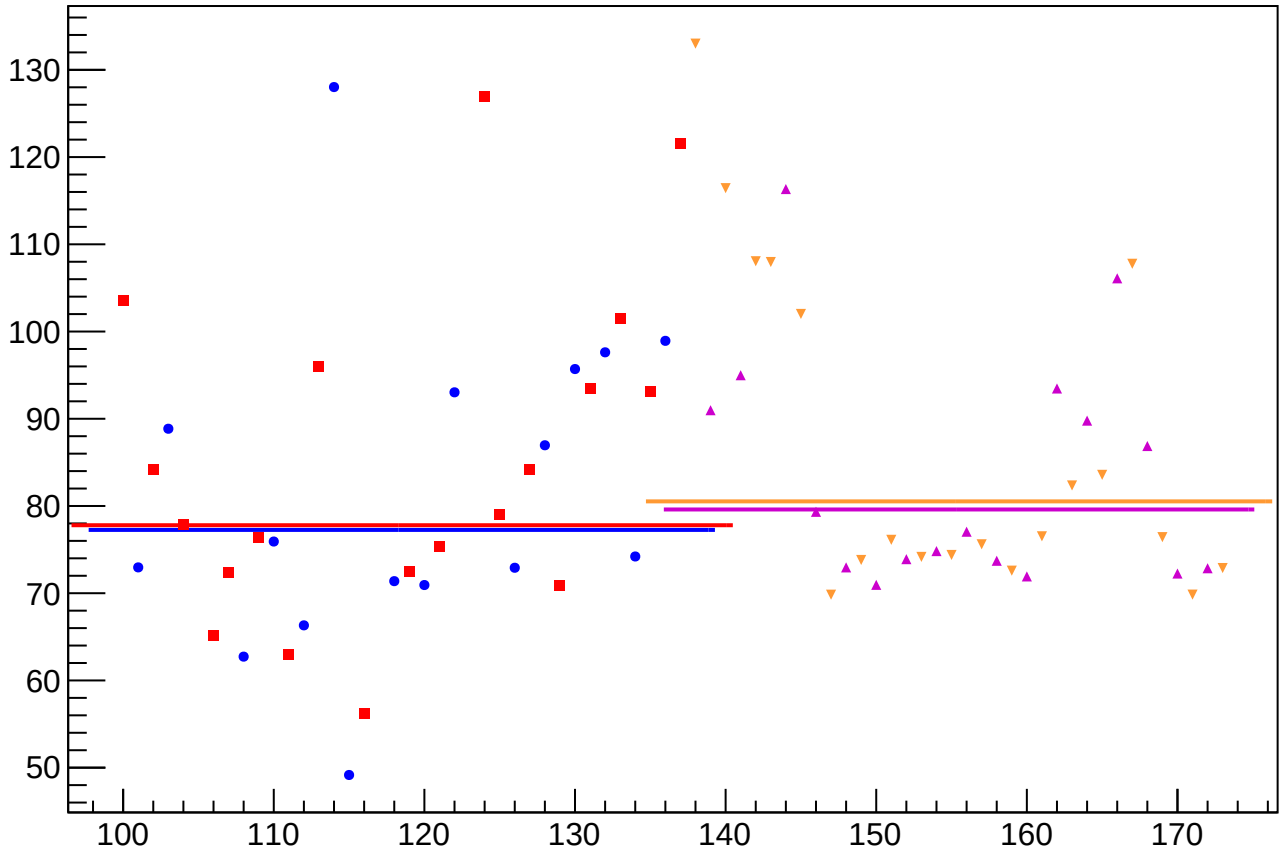
140
150
160
170
Right In: -0.005+/-0.030 χ²/NDF: 17.3/15
Left Out: -0.003+/-0.022 χ²/NDF:21.7/18
Right Out: 0.013+/-0.030 χ²/NDF: 25.5/18
Left In: -0.023+/-0.022 χ²/NDF:27.5/16
Left: -0.013+/-0.015 χ²/NDF: 49.6/35
Right: 0.004+/-0.021 χ²/NDF: 42.9/34
In: -0.017+/-0.018 χ²/NDF:45.1/32
Out: 0.003+/-0.017 χ²/NDF:47.3/37
All: -0.007+/-0.012 χ²/NDF: 93.0/70



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 80.529+/-0.015 χ^2/NDF:868964.9/18

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.600+/-0.016 χ^2/NDF:480377.4/16

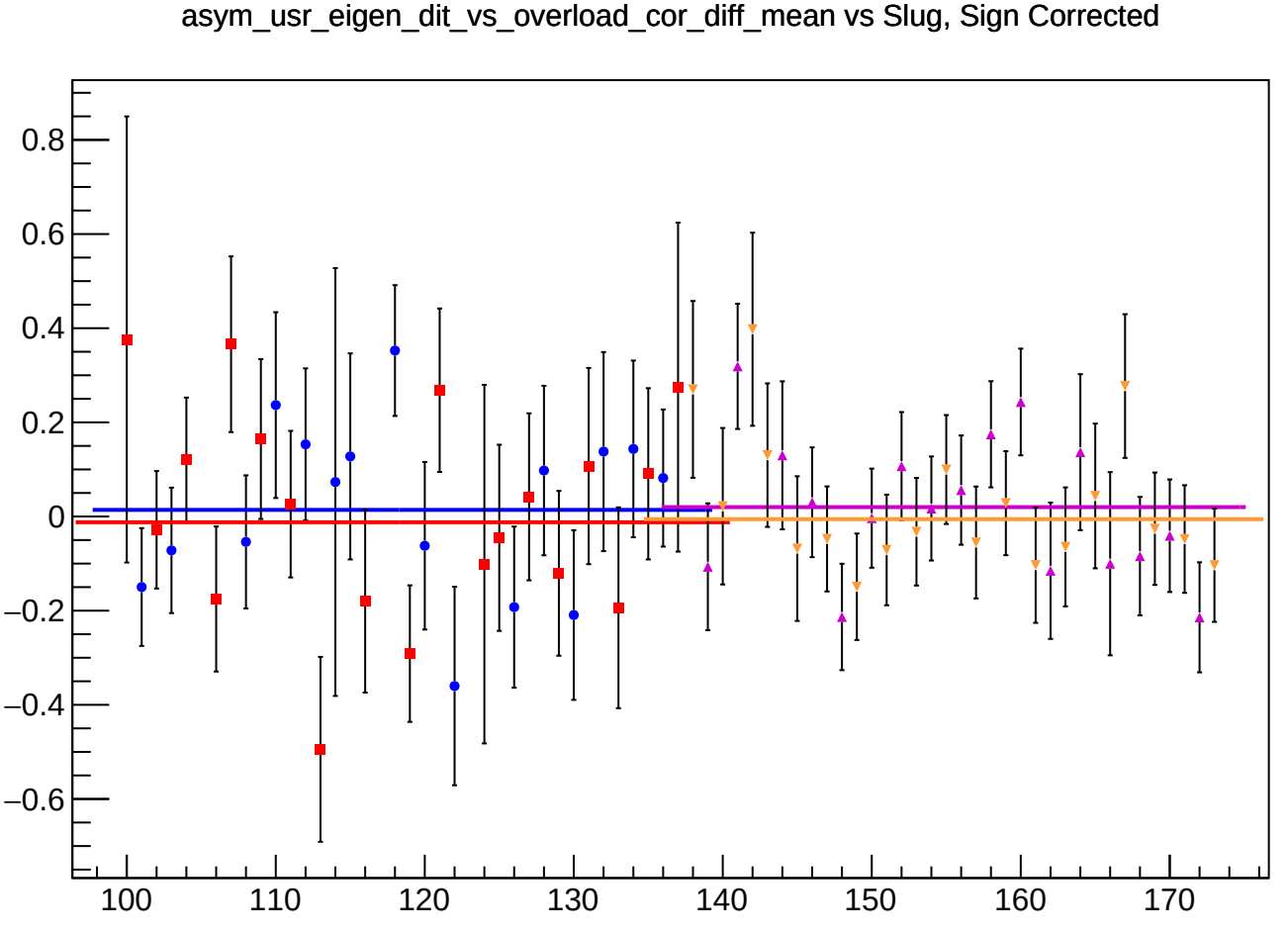
Left: 80.071+/-0.011 χ^2/NDF: 1351164.0/35

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

In: 78.786+/-0.013 χ^2/NDF:907586.8/32

Out: 79.584+/-0.012 χ^2/NDF:1276514.9/37

All: 79.190+/-0.009 χ^2/NDF: 2186159.8/70


asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
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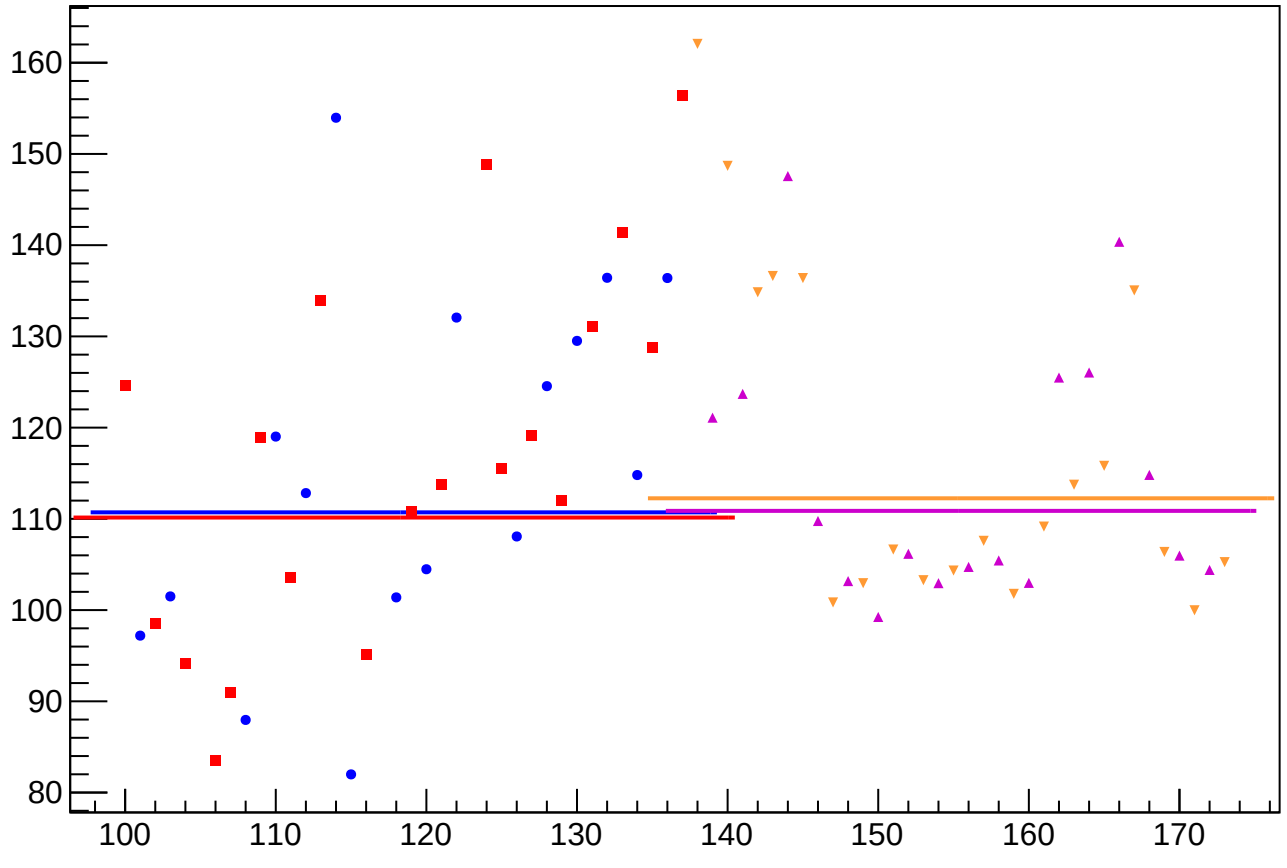
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: -0.006+/-0.030 χ²/NDF:15.4/18
Right Out: -0.012+/-0.041 χ²/NDF: 23.8/18
Left In: 0.020+/-0.030 χ²/NDF:23.9/16
Left: 0.007+/-0.021 χ²/NDF: 39.7/35
Right: 0.001+/-0.030 χ²/NDF: 42.1/34
In: 0.018+/-0.025 χ²/NDF:42.1/32
Out: -0.008+/-0.024 χ²/NDF:39.2/37
All: 0.005+/-0.017 χ²/NDF: 81.9/70



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 112.254+/-0.021 χ^2/NDF:525399.2/18

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 110.875+/-0.021 χ^2/NDF:301028.6/16

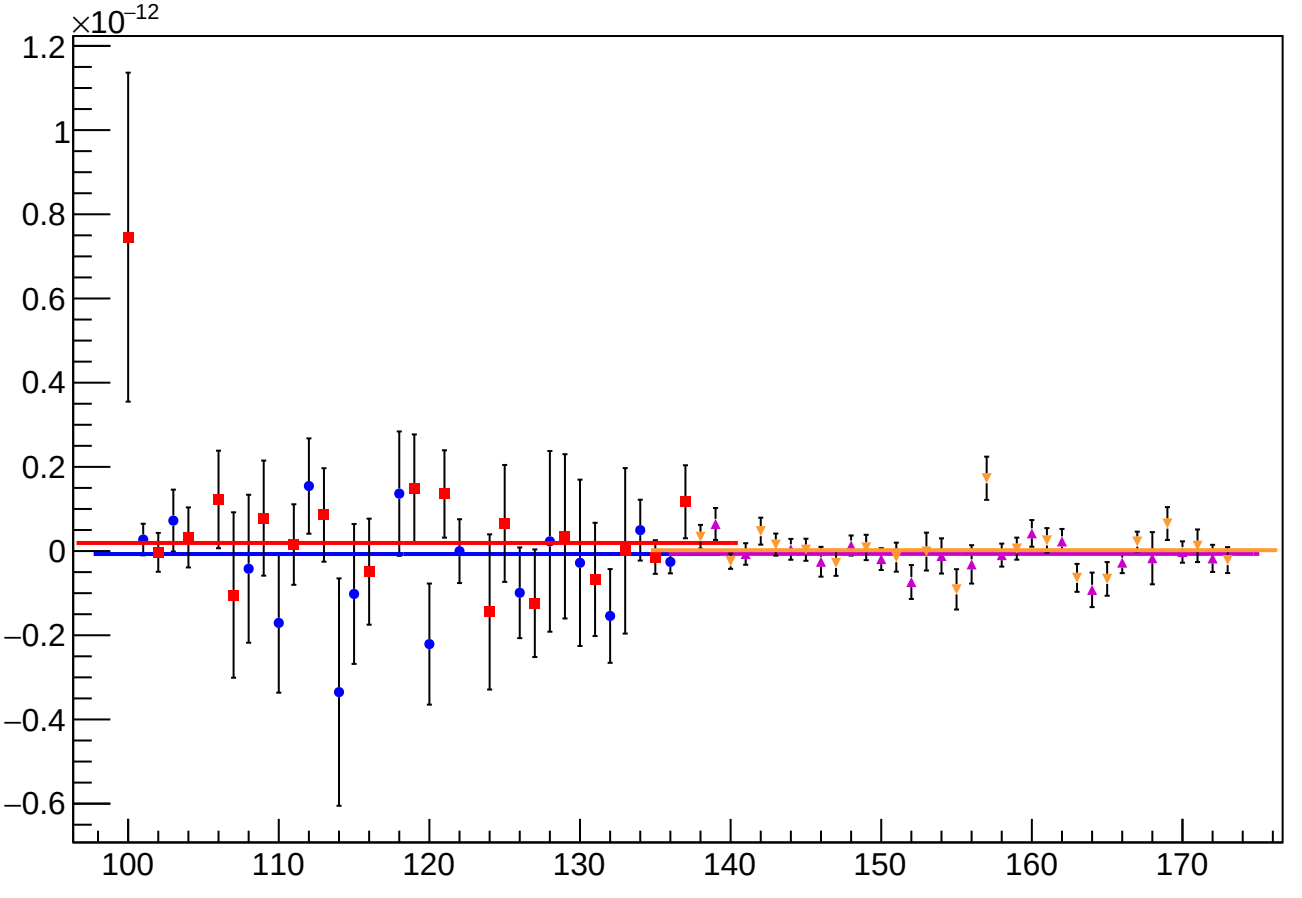
Left: 111.576+/-0.015 χ^2/NDF: 828555.0/35

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

In: 110.820+/-0.017 χ^2/NDF:600996.1/32

Out: 111.537+/-0.017 χ^2/NDF:855540.0/37

All: 111.186+/-0.012 χ^2/NDF: 1457404.7/70



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

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:16.6/16

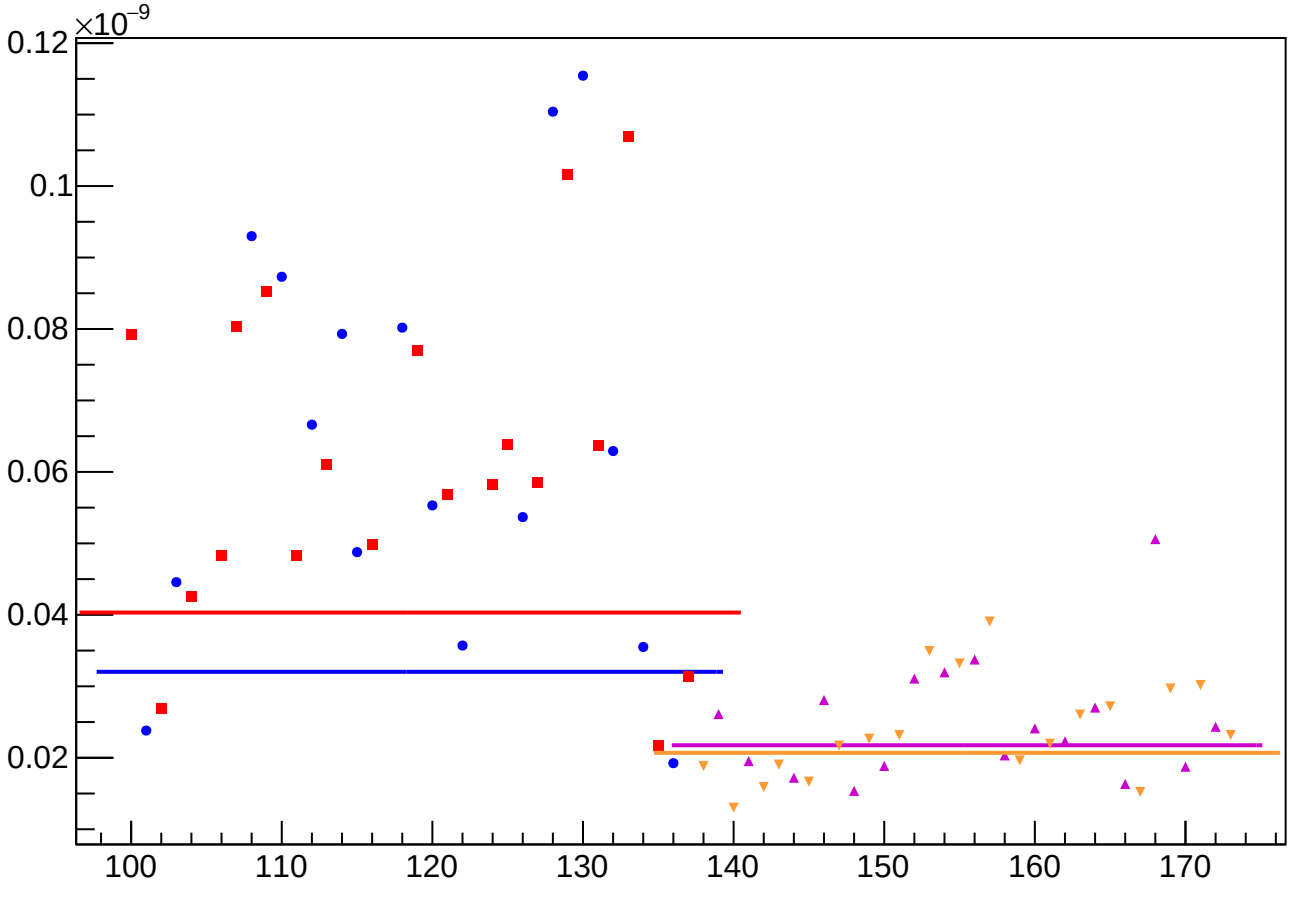
Left: -0.000+/-0.000 χ^2/NDF: 50.5/35

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:30.2/32

Out: 0.000+/-0.000 χ^2/NDF:46.4/37

All: -0.000+/-0.000 χ^2/NDF: 77.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1541570.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1323301.6/16

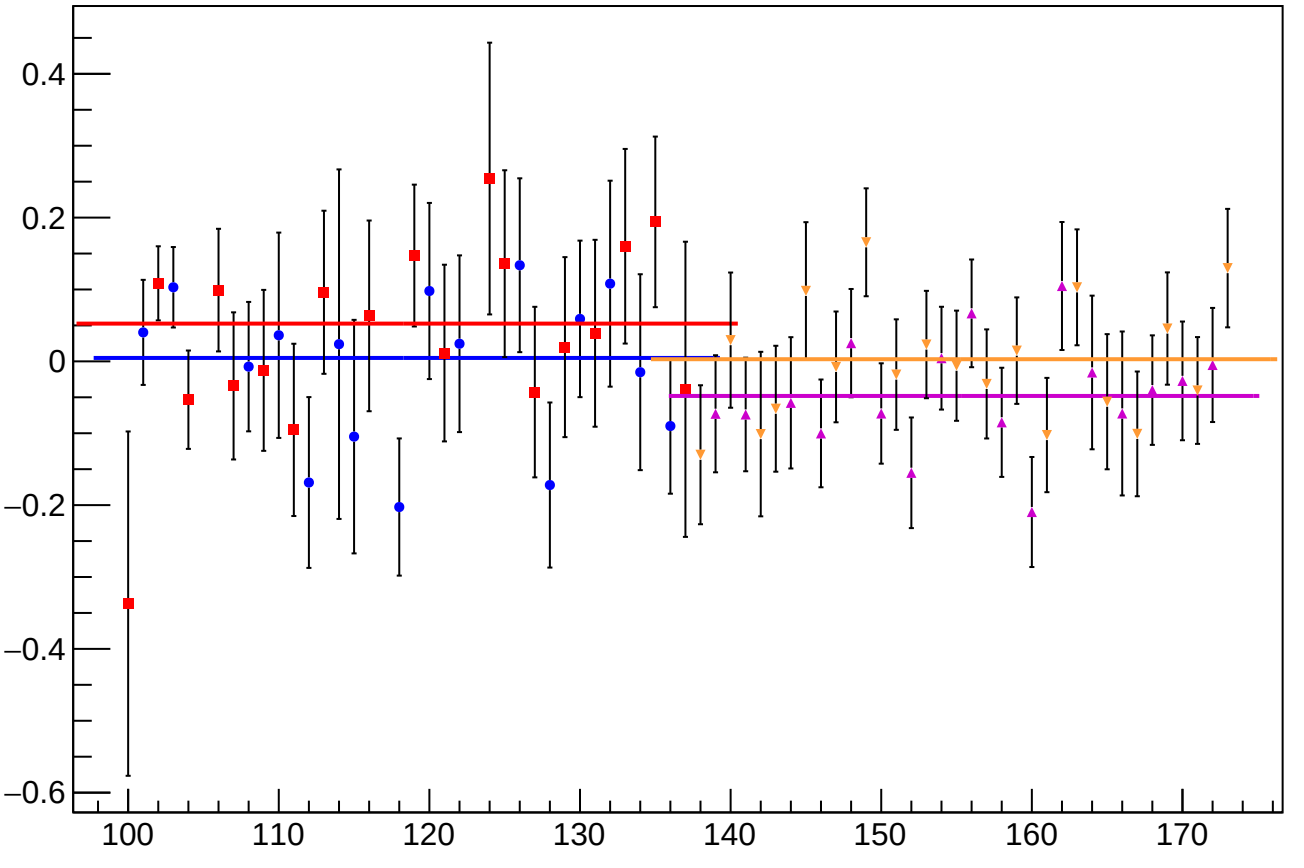
Left: 0.000+/-0.000 χ^2/NDF: 2886513.1/35

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

In: 0.000+/-0.000 χ^2/NDF:4343608.9/32

Out: 0.000+/-0.000 χ^2/NDF:4967553.6/37

All: 0.000+/-0.000 χ^2/NDF: 9320967.8/70


asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
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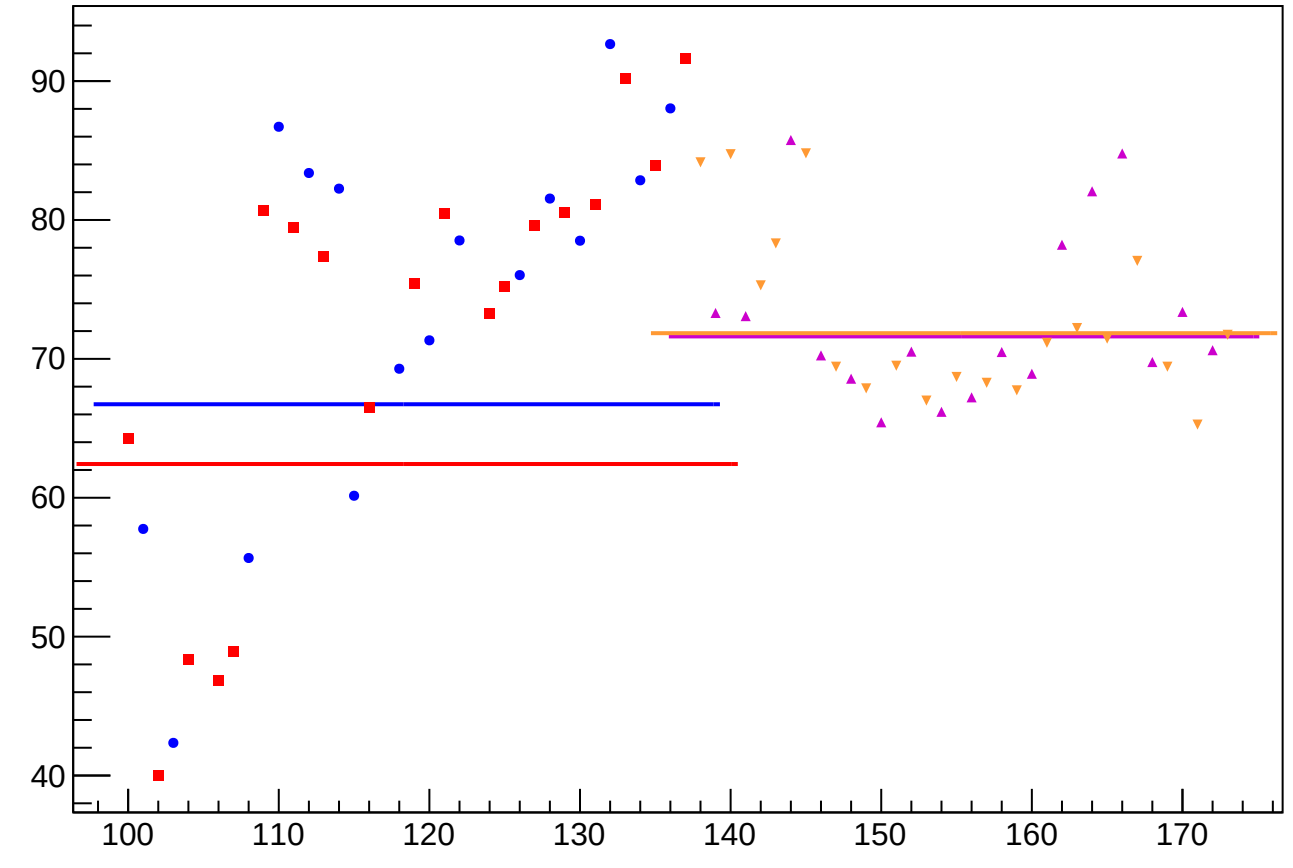
140
150
160
170
Right In: 0.005+/-0.026 χ²/NDF: 16.6/15
Left Out: 0.003+/-0.019 χ²/NDF:17.7/18
Right Out: 0.053+/-0.024 χ²/NDF: 14.8/18
Left In: -0.048+/-0.019 χ²/NDF:14.7/16
Left: -0.022+/-0.014 χ²/NDF: 35.9/35
Right: 0.030+/-0.018 χ²/NDF: 33.2/34
In: -0.029+/-0.016 χ²/NDF:34.0/32
Out: 0.022+/-0.015 χ²/NDF:35.1/37
All: -0.002+/-0.011 χ²/NDF: 74.7/70



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 71.849+/-0.013 χ^2/NDF:176223.9/18

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.616+/-0.014 χ^2/NDF:149979.4/16

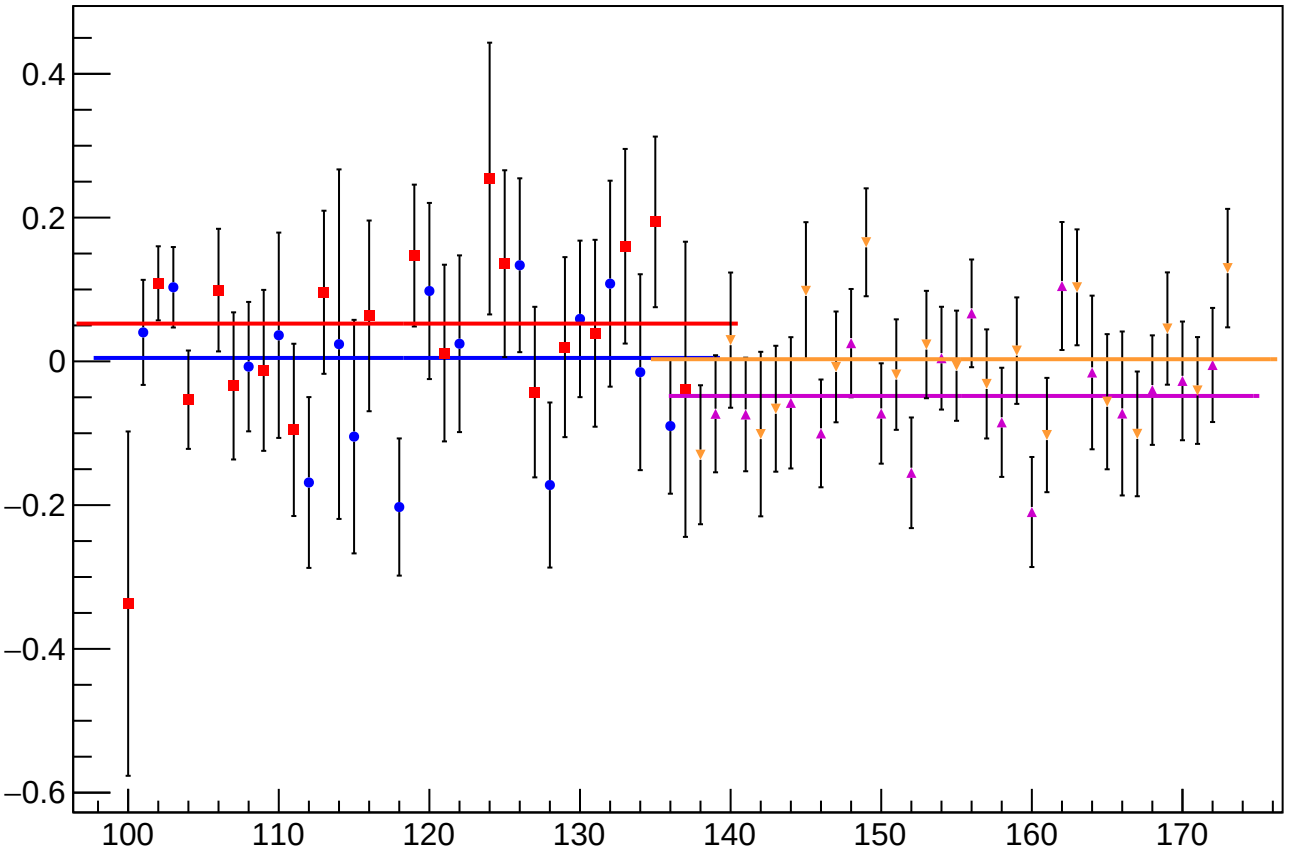
Left: 71.736+/-0.010 χ^2/NDF: 326351.2/35

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

In: 69.856+/-0.011 χ^2/NDF:1012216.4/32

Out: 68.266+/-0.011 χ^2/NDF:1479815.0/37

All: 69.024+/-0.008 χ^2/NDF: 2502964.3/70



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.003+/-0.019 χ^2/NDF:17.7/18

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.048+/-0.019 χ^2/NDF:14.7/16

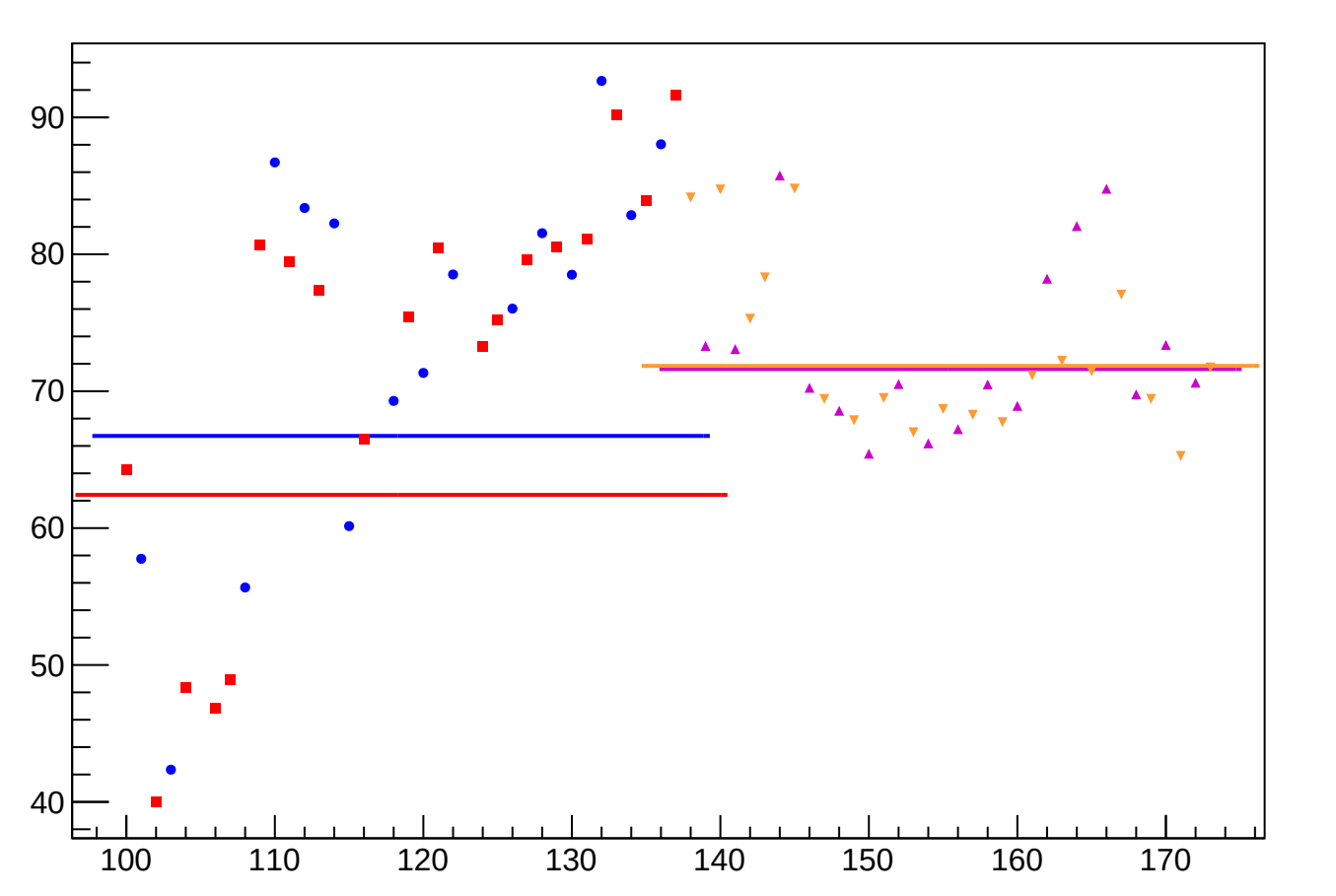
Left: -0.022+/-0.014 χ^2/NDF: 35.9/35

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.029+/-0.016 χ^2/NDF:34.0/32

Out: 0.022+/-0.015 χ^2/NDF:35.1/37

All: -0.002+/-0.011 χ^2/NDF: 74.7/70



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 71.849+/-0.013 χ^2/NDF:176223.9/18

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.616+/-0.014 χ^2/NDF:149979.4/16

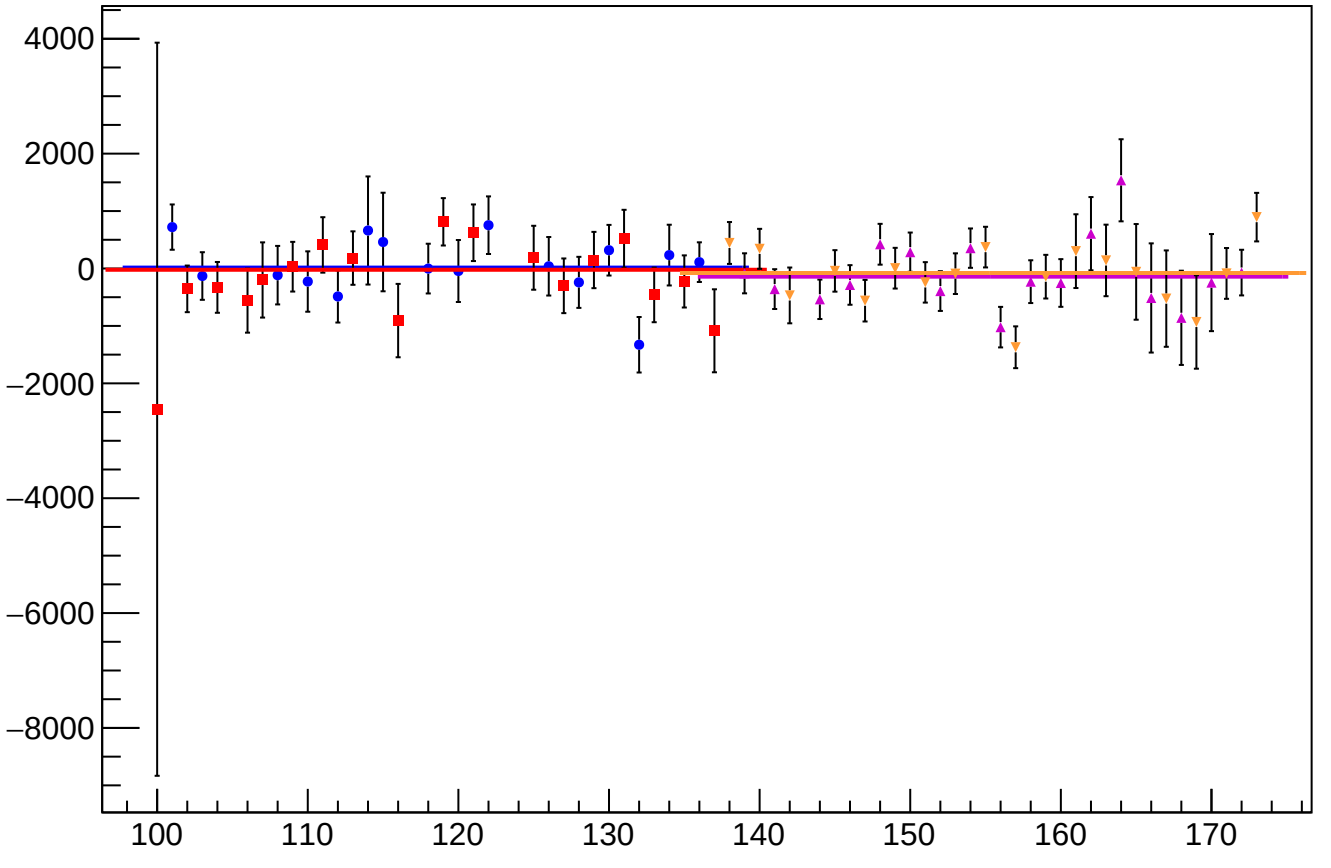
Left: 71.736+/-0.010 χ^2/NDF: 326351.2/35

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

In: 69.856+/-0.011 χ^2/NDF:1012216.4/32

Out: 68.266+/-0.011 χ^2/NDF:1479815.0/37

All: 69.024+/-0.008 χ^2/NDF: 2502964.3/70



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -78.543+/-99.090 χ^2/NDF:27.7/17

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -142.096+/-98.729 χ^2/NDF:22.8/16

Left: -110.436+/-69.940 χ^2/NDF: 50.7/34

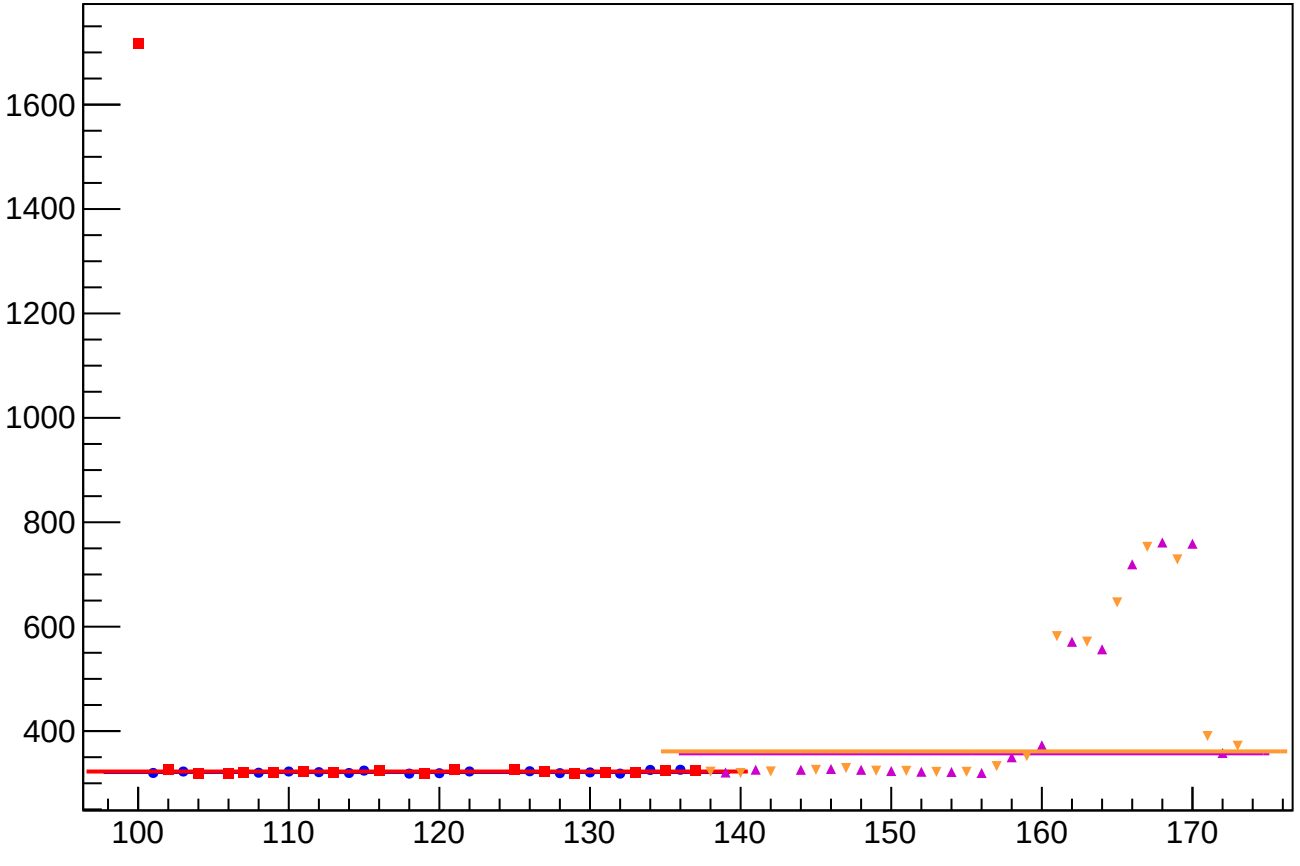
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -78.112+/-76.095 χ^2/NDF:40.4/32

Out: -55.499+/-76.203 χ^2/NDF:43.8/35

All: -66.821+/-53.845 χ^2/NDF: 84.2/68

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 361.111+/-0.070 χ^2/NDF:1758908.5/17

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 357.366+/-0.070 χ^2/NDF:1780454.5/16

Left: 359.232+/-0.049 χ^2/NDF: 3540797.0/34

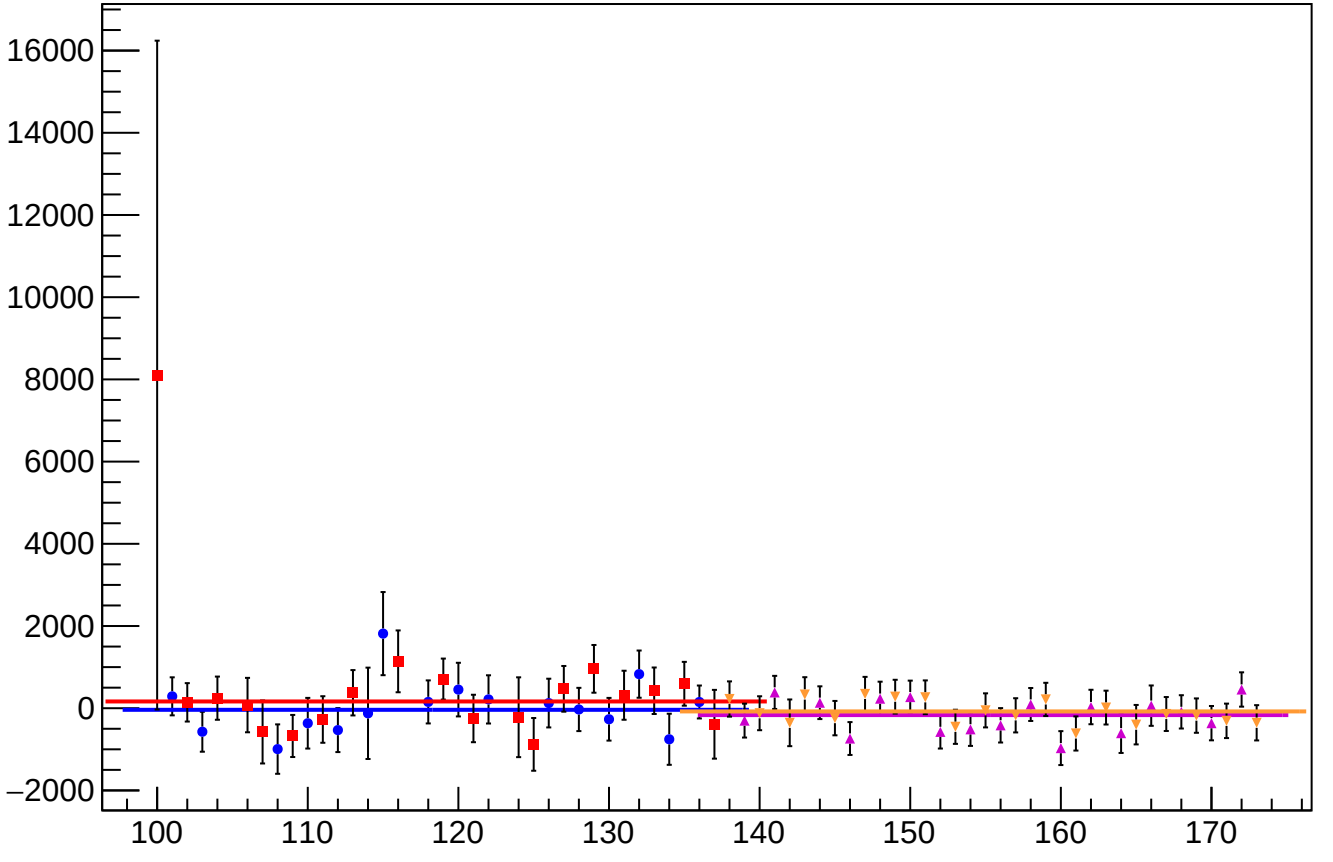
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 342.848+/-0.054 χ^2/NDF:1887802.7/32

Out: 345.356+/-0.054 χ^2/NDF:1979540.3/35

All: 344.100+/-0.038 χ^2/NDF: 3868427.8/68

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -77.659+/-97.293 χ^2/NDF:8.7/18

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: -167.056+/-100.780 χ^2/NDF:16.8/16

Left: -120.784+/-69.997 χ^2/NDF: 25.9/35

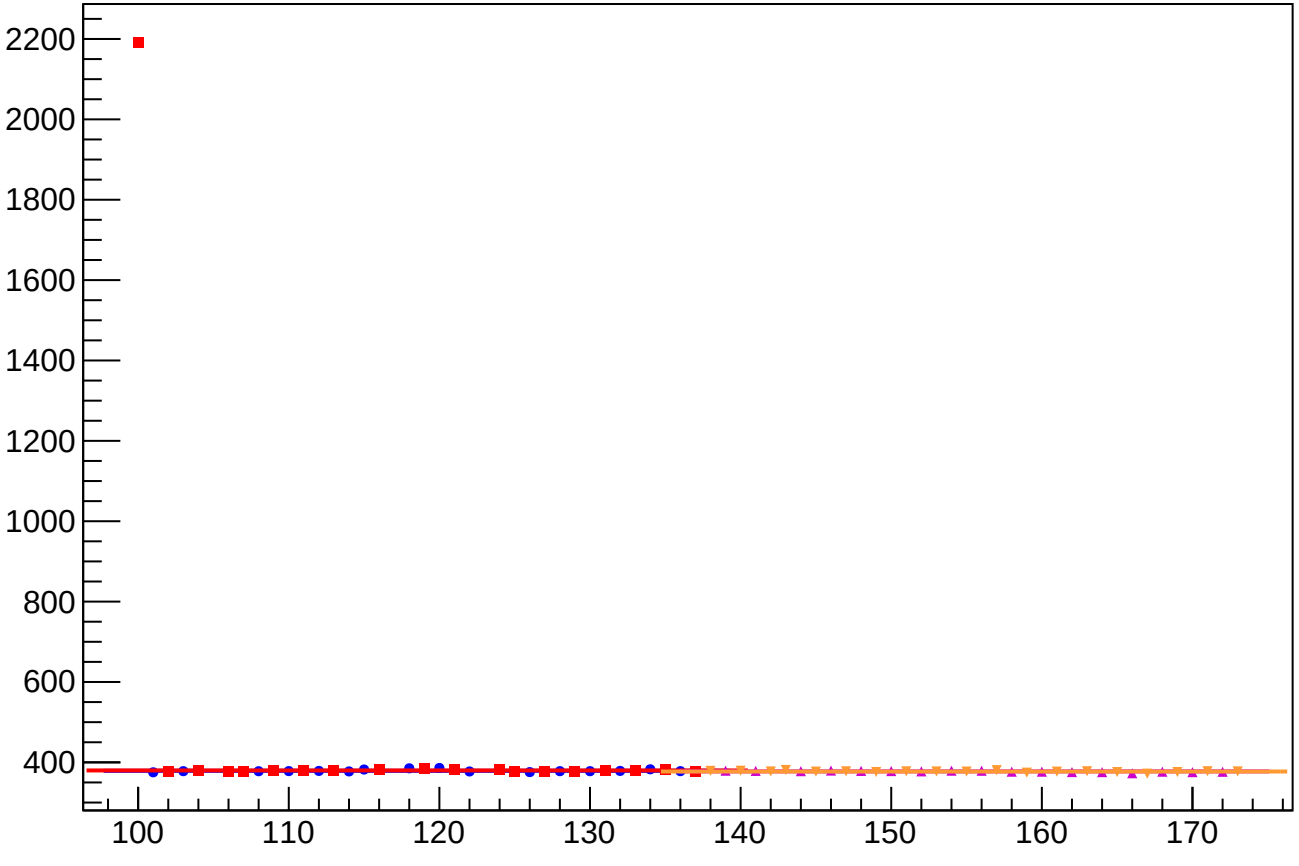
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -123.613+/-81.935 χ^2/NDF:31.1/32

Out: 2.044+/-79.700 χ^2/NDF:25.9/37

All: -59.048+/-57.130 χ^2/NDF: 58.1/70

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.230+/-0.069 χ^2/NDF:882.7/18

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 377.537+/-0.071 χ^2/NDF:513.6/16

Left: 377.378+/-0.049 χ^2/NDF: 1405.9/35

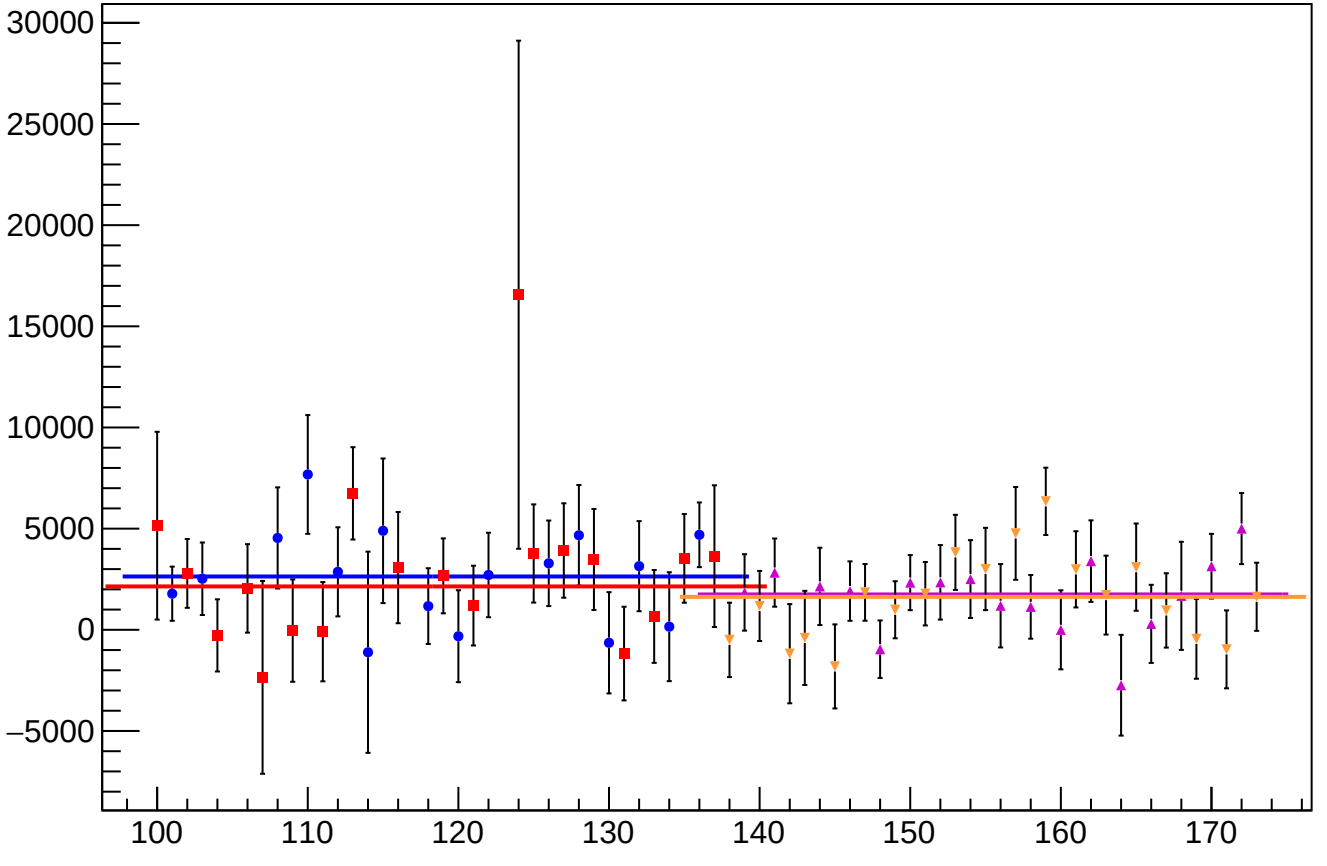
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 378.003+/-0.058 χ^2/NDF:1490.5/32

Out: 378.101+/-0.056 χ^2/NDF:100991.4/37

All: 378.053+/-0.040 χ^2/NDF: 102483.4/70

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1629.128+/-420.700 χ^2/NDF:22.3/18

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 1747.516+/-430.261 χ^2/NDF:14.3/16

Left: 1686.992+/-300.803 χ^2/NDF: 36.6/35

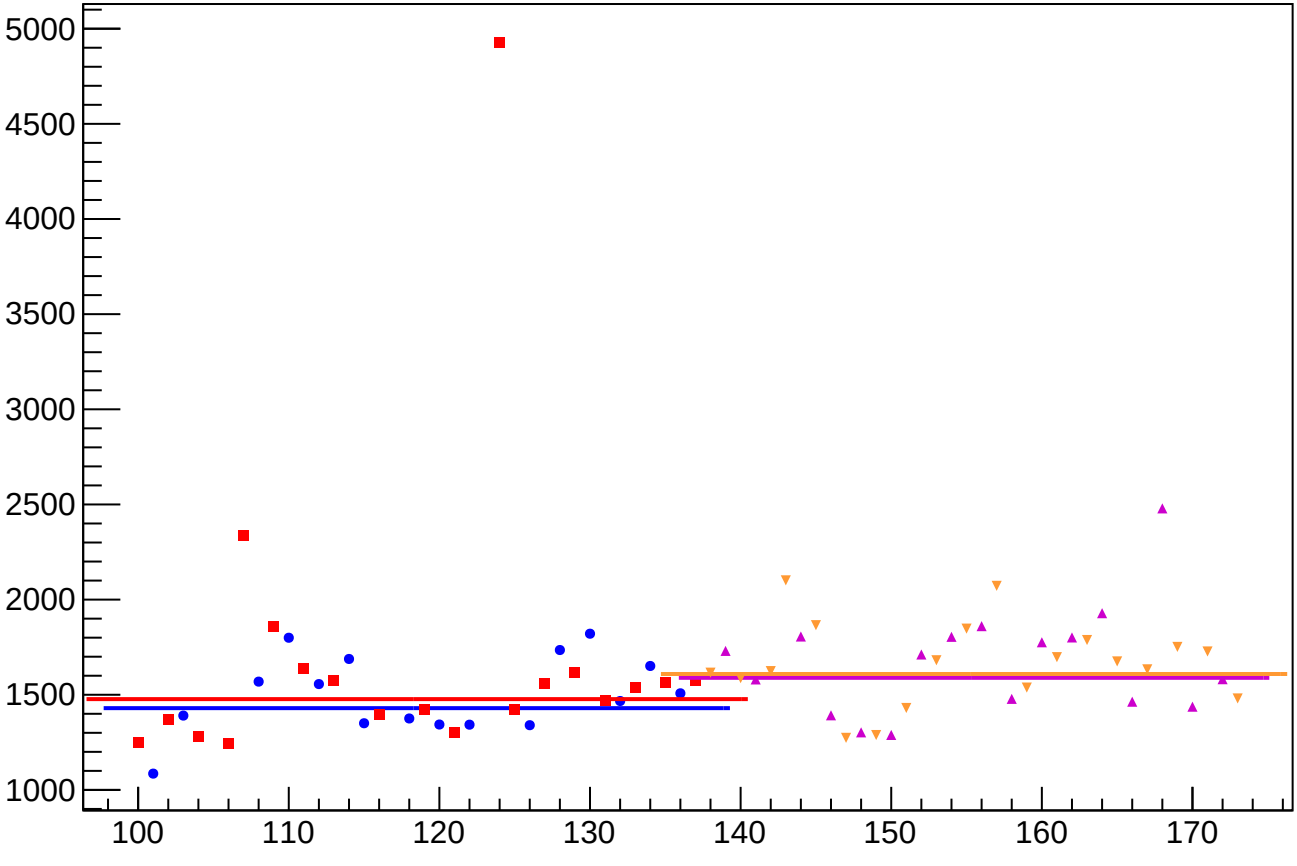
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 2093.843+/-336.028 χ^2/NDF:28.2/32

Out: 1820.718+/-333.469 χ^2/NDF:37.9/37

All: 1956.236+/-236.698 χ^2/NDF: 66.4/70

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1609.124+/-0.297 χ^2/NDF:533340.4/18

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 1589.065+/-0.304 χ^2/NDF:656263.6/16

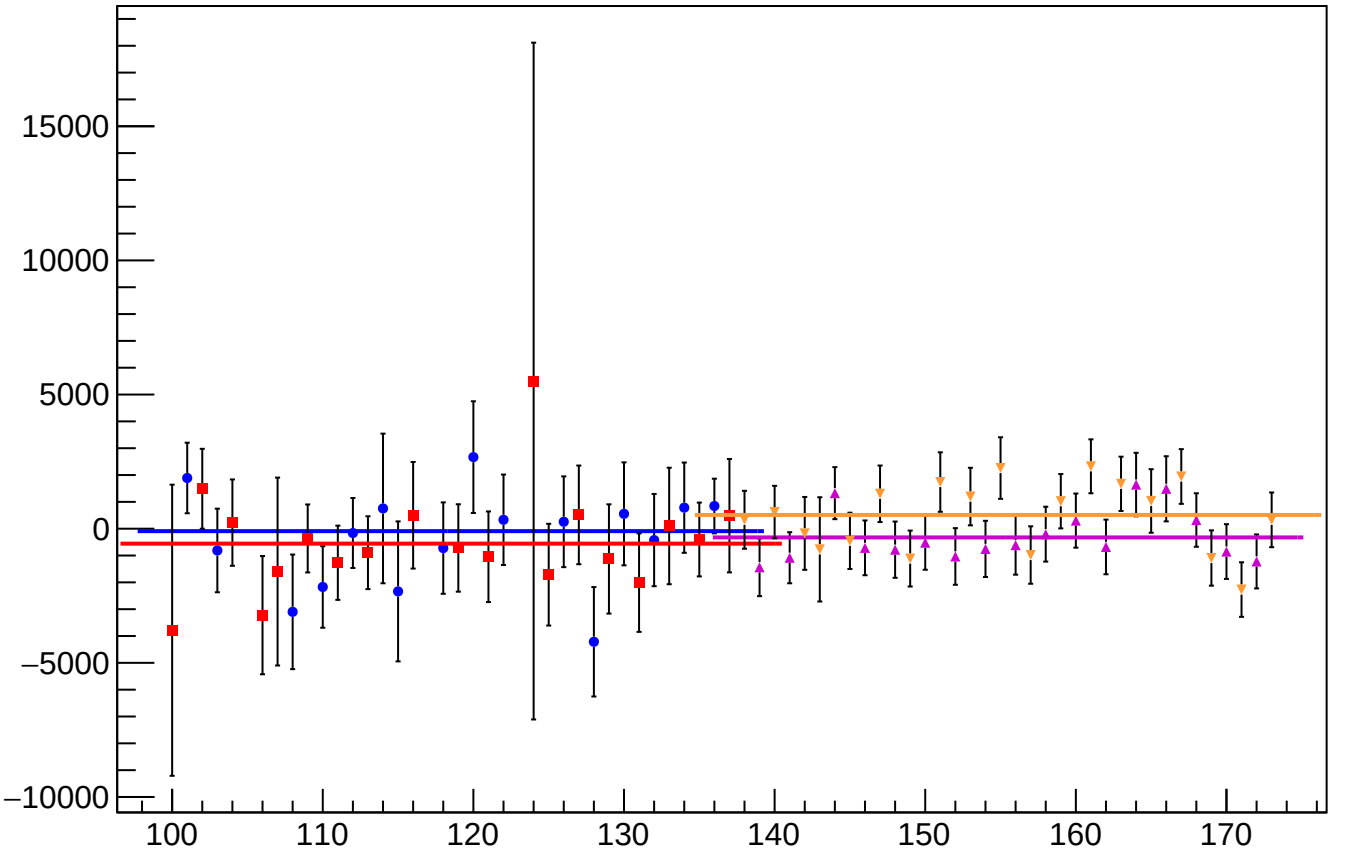
Left: 1599.320+/-0.213 χ^2/NDF: 1191826.4/35

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

In: 1526.885+/-0.238 χ^2/NDF:1056738.5/32

Out: 1560.060+/-0.236 χ^2/NDF:975955.2/37

All: 1543.599+/-0.167 χ^2/NDF: 2042515.2/70



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

Left Out: 512.539+/-248.084 χ^2/NDF:27.4/18

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

Left In: -324.936+/-251.861 χ^2/NDF:12.7/16

Left: 100.129+/-176.742 χ^2/NDF: 45.7/35

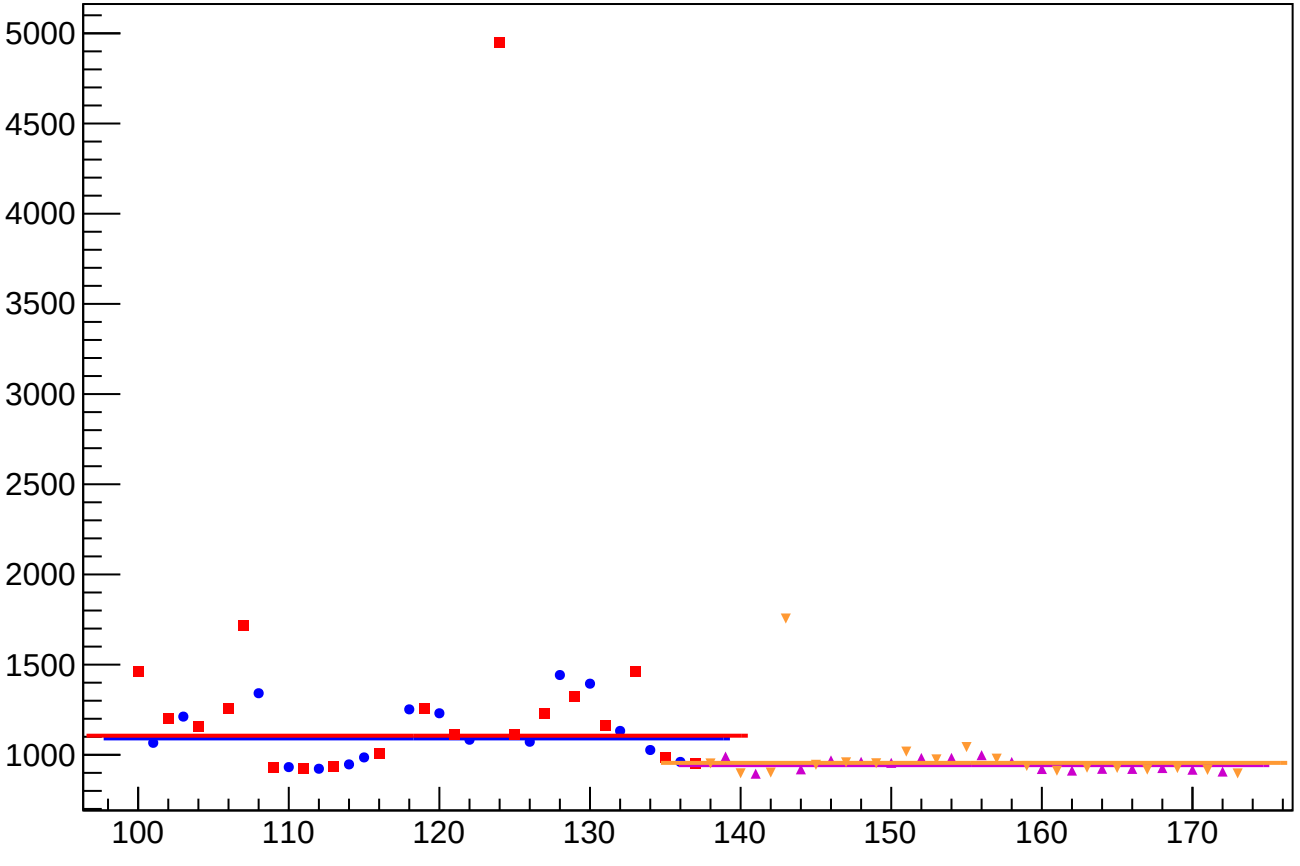
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -260.917+/-214.598 χ^2/NDF:27.4/32

Out: 227.316+/-212.439 χ^2/NDF:39.1/37

All: -14.332+/-150.974 χ^2/NDF: 69.2/70

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 955.398+/-0.175 χ^2/NDF:389787.9/18

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

Left In: 942.831+/-0.178 χ^2/NDF:31741.5/16

Left: 949.209+/-0.125 χ^2/NDF: 424056.3/35

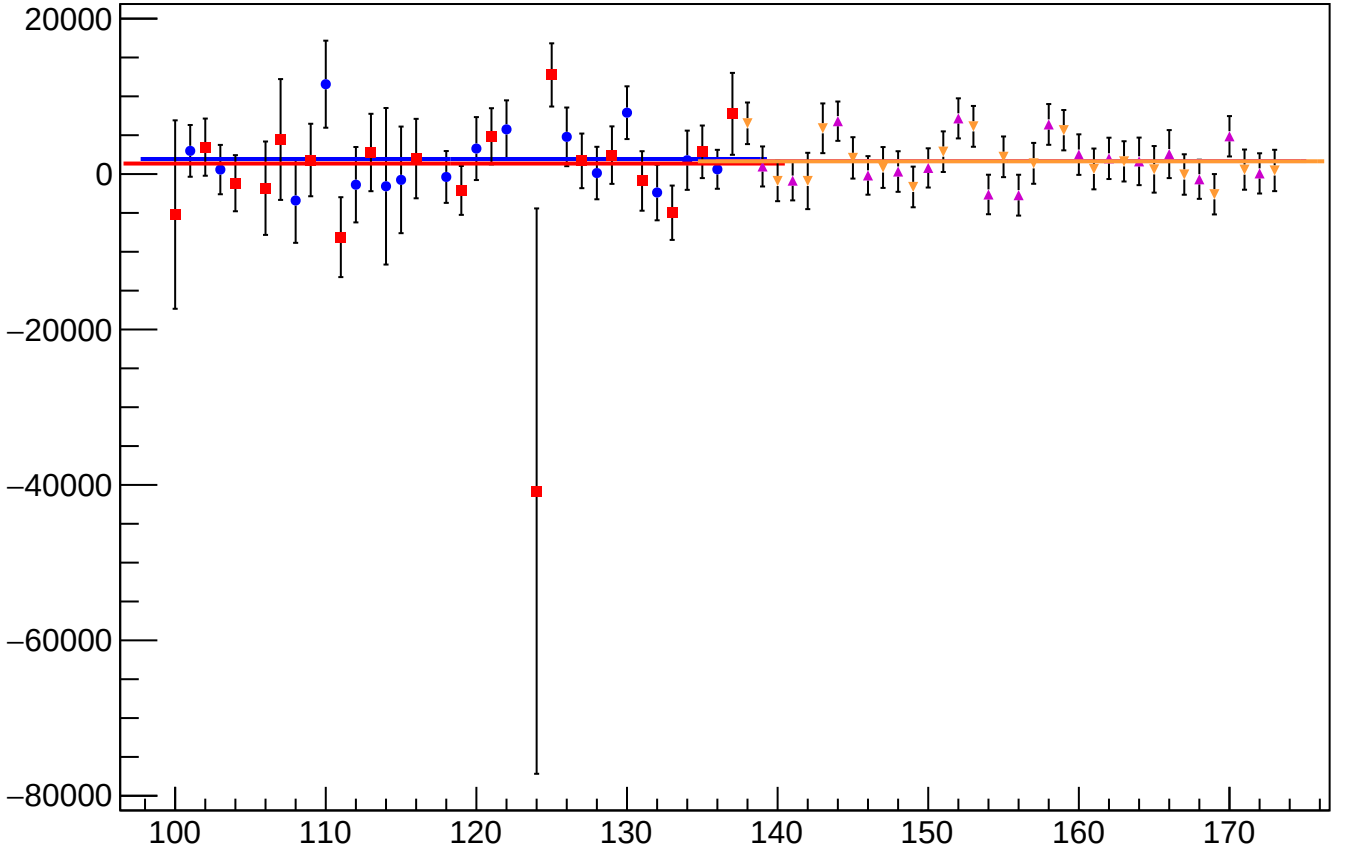
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 983.443+/-0.152 χ^2/NDF:498819.1/32

Out: 995.578+/-0.150 χ^2/NDF:1100591.0/37

All: 989.572+/-0.107 χ^2/NDF: 1602640.2/70

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1643.581+/-618.295 χ^2/NDF:17.6/18

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 1676.774+/-635.256 χ^2/NDF:22.5/16

Left: 1659.728+/-443.076 χ^2/NDF: 40.0/35

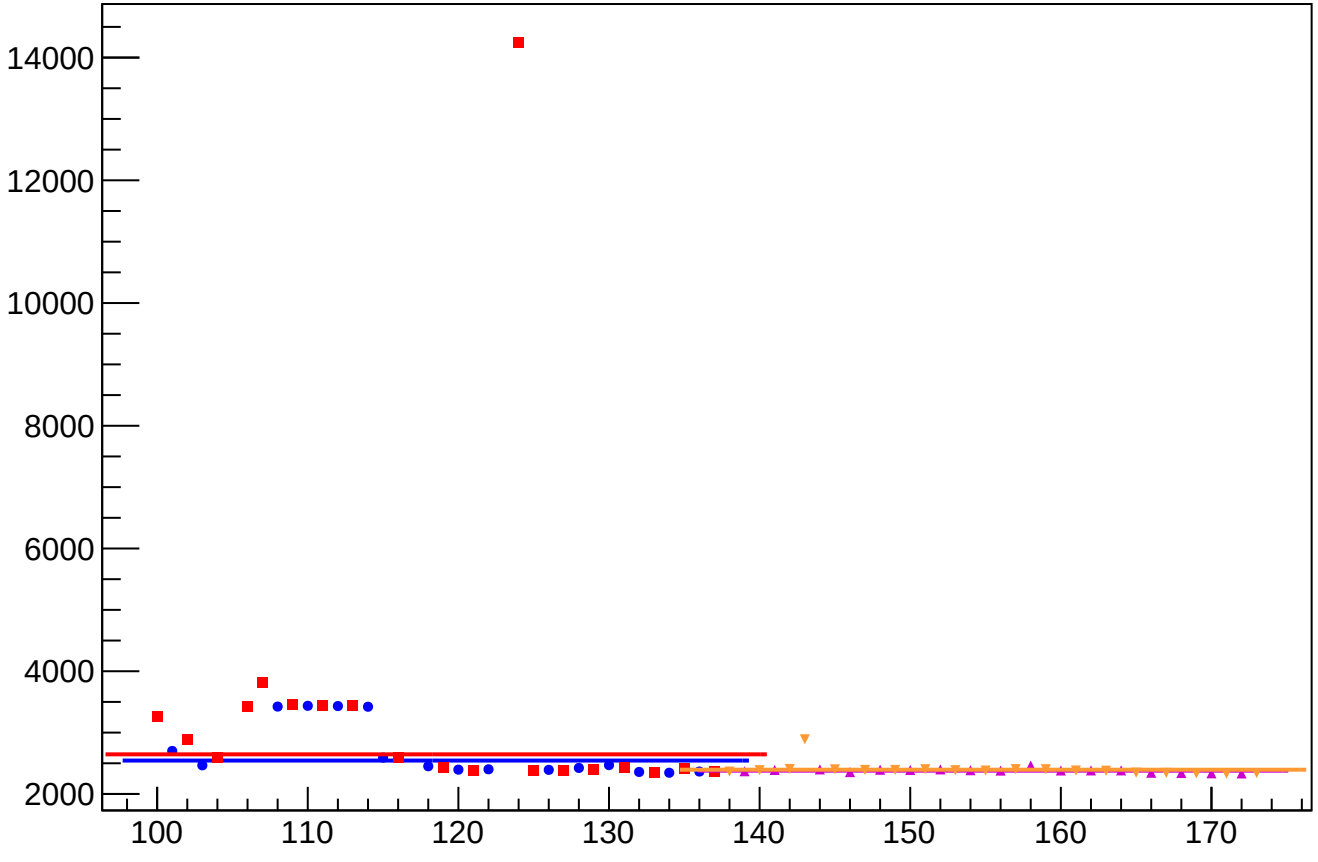
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1757.702+/-528.505 χ^2/NDF:34.8/32

Out: 1561.583+/-523.692 χ^2/NDF:39.4/37

All: 1658.745+/-371.996 χ^2/NDF: 74.3/70

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2395.306+/-0.437 χ^2/NDF:52977.7/18

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2379.713+/-0.449 χ^2/NDF:4569.8/16

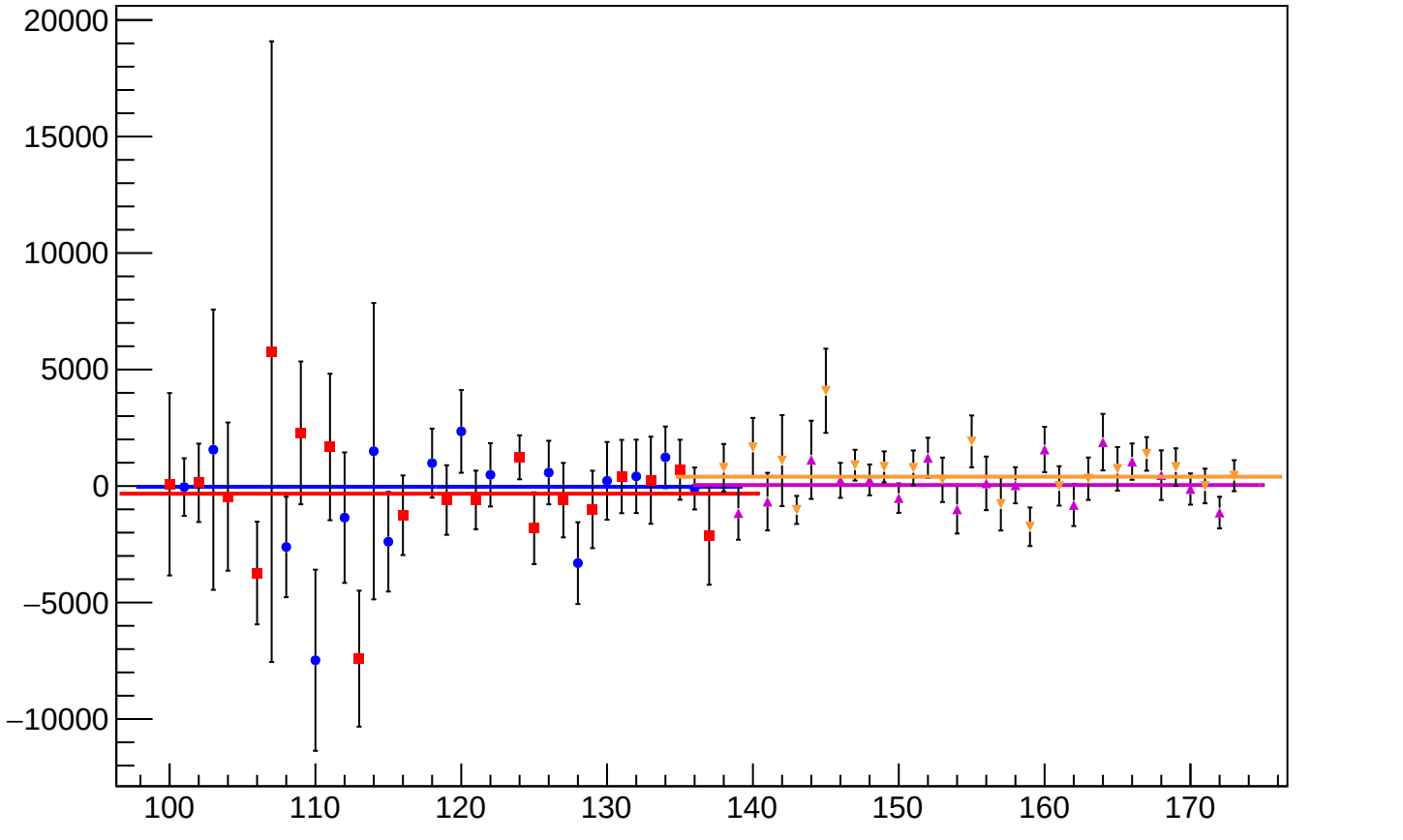
Left: 2387.720+/-0.313 χ^2/NDF: 58166.3/35

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

In: 2430.416+/-0.374 χ^2/NDF:271571.5/32

Out: 2466.053+/-0.370 χ^2/NDF:682599.5/37

All: 2448.397+/-0.263 χ^2/NDF: 958759.2/70



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 398.749+/-193.658 χ^2/NDF:24.7/18

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: 41.858+/-208.907 χ^2/NDF:16.2/16

Left: 233.803+/-142.022 χ^2/NDF: 42.5/35

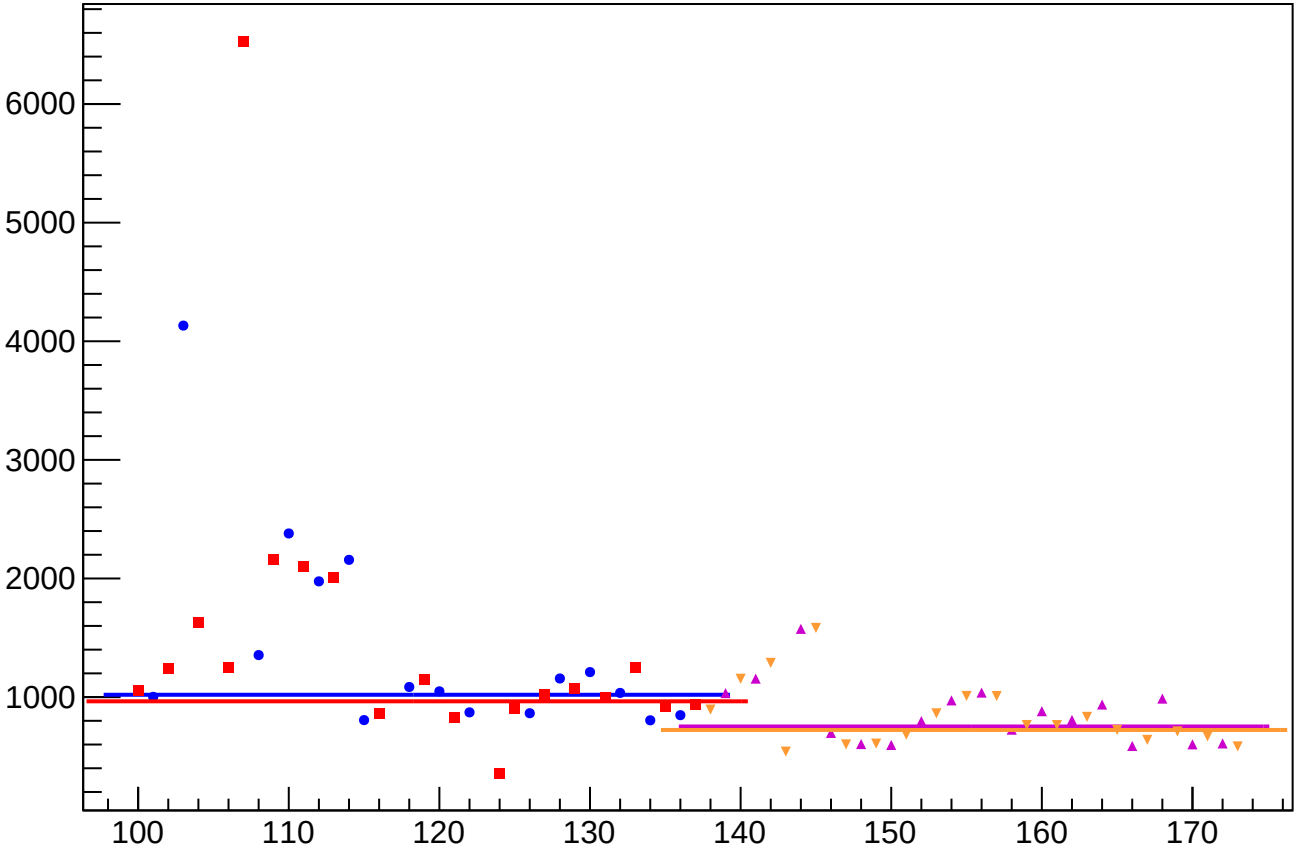
Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: 26.550+/-185.732 χ^2/NDF:30.0/32

Out: 259.854+/-174.185 χ^2/NDF:43.0/37

All: 150.679+/-127.054 χ^2/NDF: 73.9/70

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 722.823+/-0.137 χ^2/NDF:1694929.5/18

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 752.284+/-0.148 χ^2/NDF:1734187.2/16

Left: 736.439+/-0.100 χ^2/NDF: 3450510.3/35

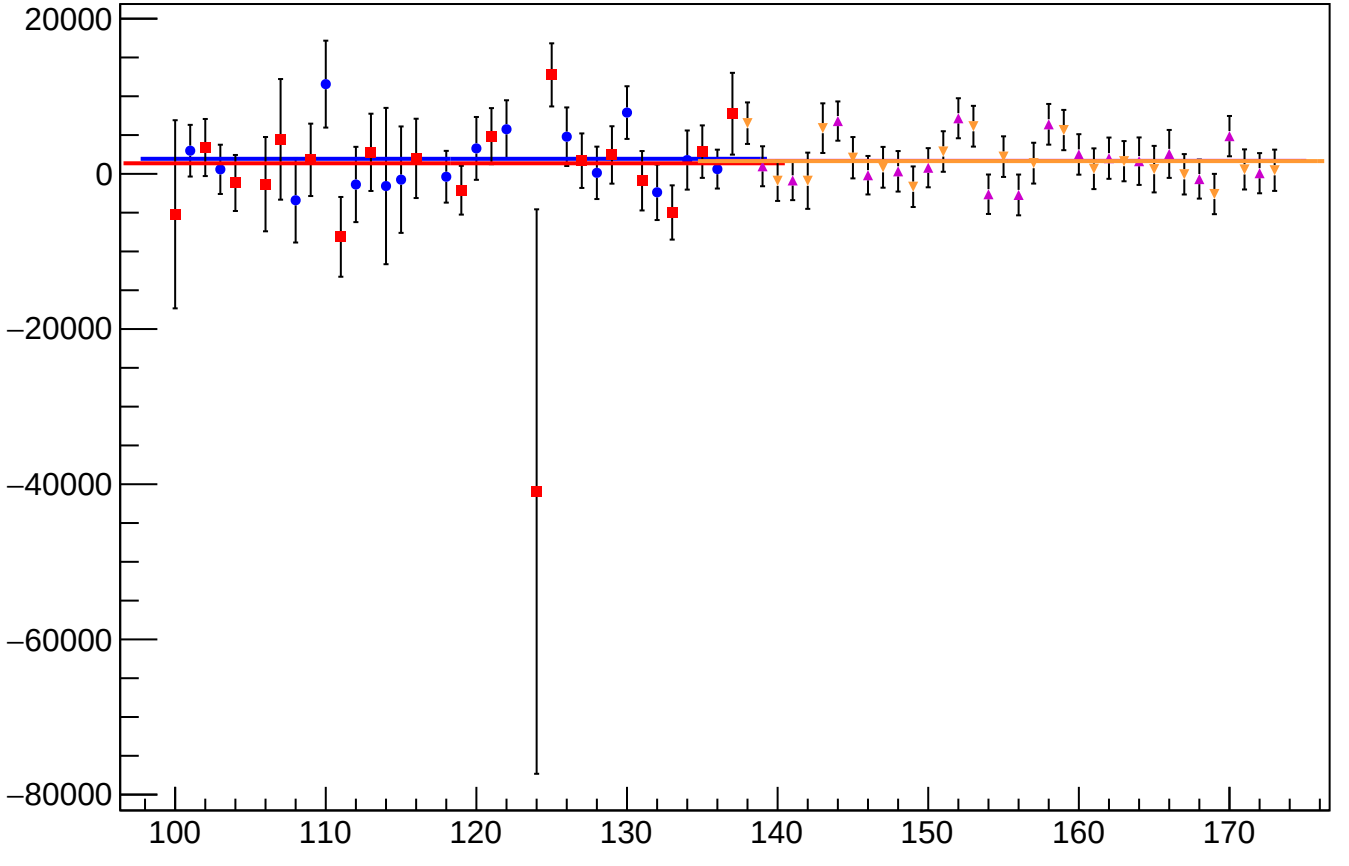
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 808.287+/-0.131 χ^2/NDF:3784785.1/32

Out: 768.958+/-0.123 χ^2/NDF:4598600.7/37

All: 787.362+/-0.090 χ^2/NDF: 8431097.7/70

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1643.552+/-618.295 χ^2/NDF:17.6/18

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1676.805+/-635.256 χ^2/NDF:22.5/16

Left: 1659.729+/-443.076 χ^2/NDF: 40.0/35

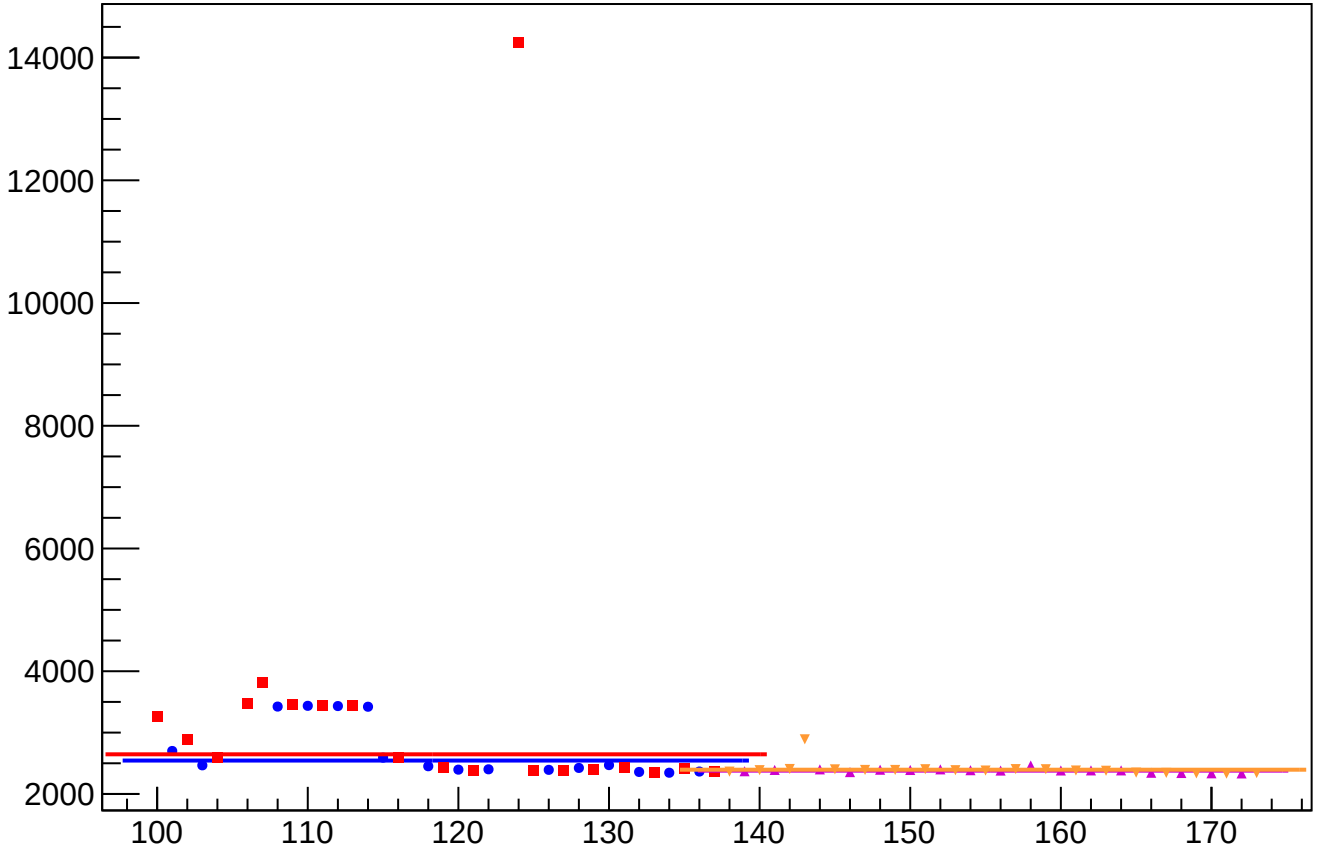
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1757.830+/-528.505 χ^2/NDF:34.8/32

Out: 1564.327+/-523.737 χ^2/NDF:39.3/37

All: 1660.202+/-372.013 χ^2/NDF: 74.2/70

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2395.306+/-0.437 χ^2/NDF:52977.7/18

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2379.713+/-0.449 χ^2/NDF:4569.8/16

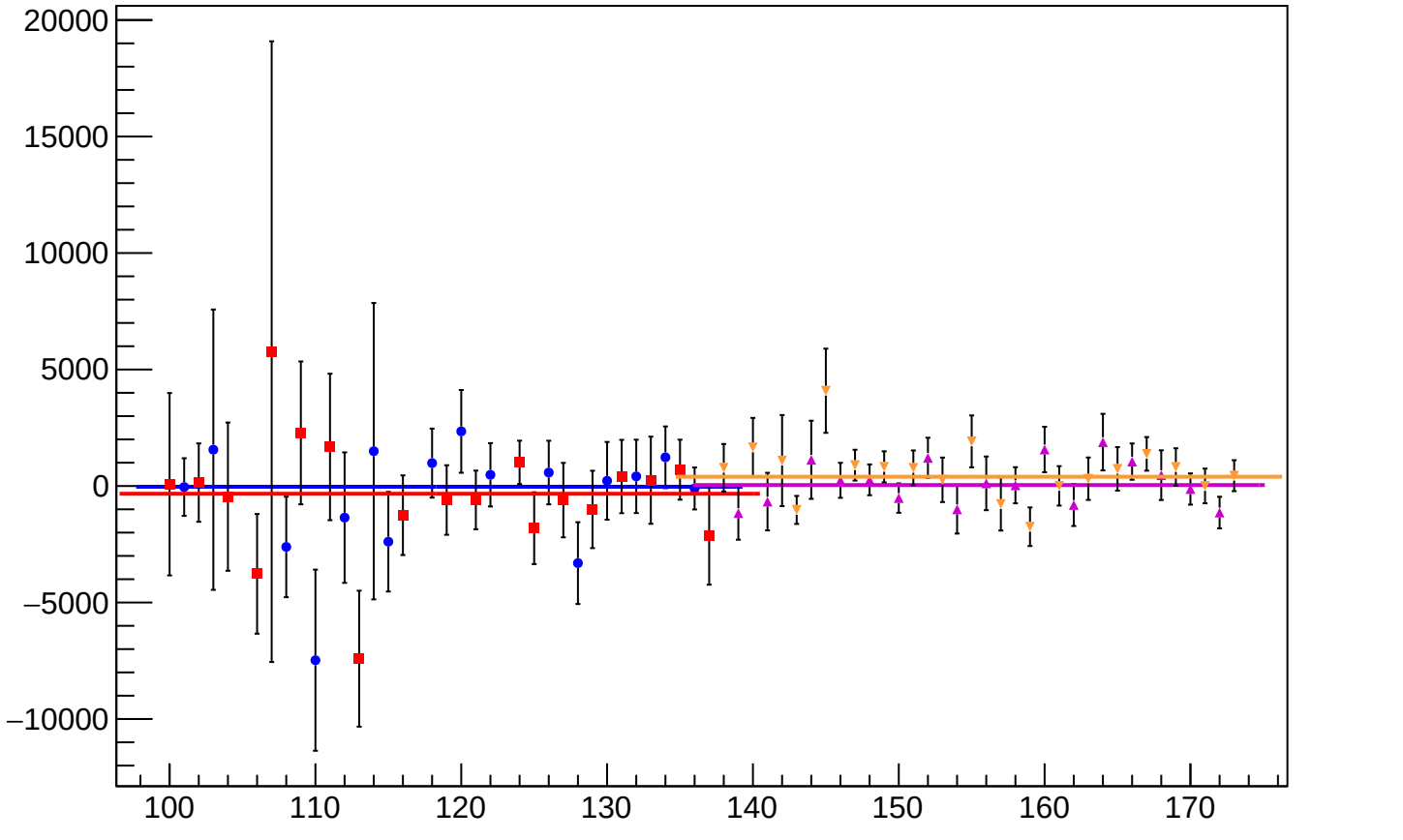
Left: 2387.720+/-0.313 χ^2/NDF: 58166.3/35

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

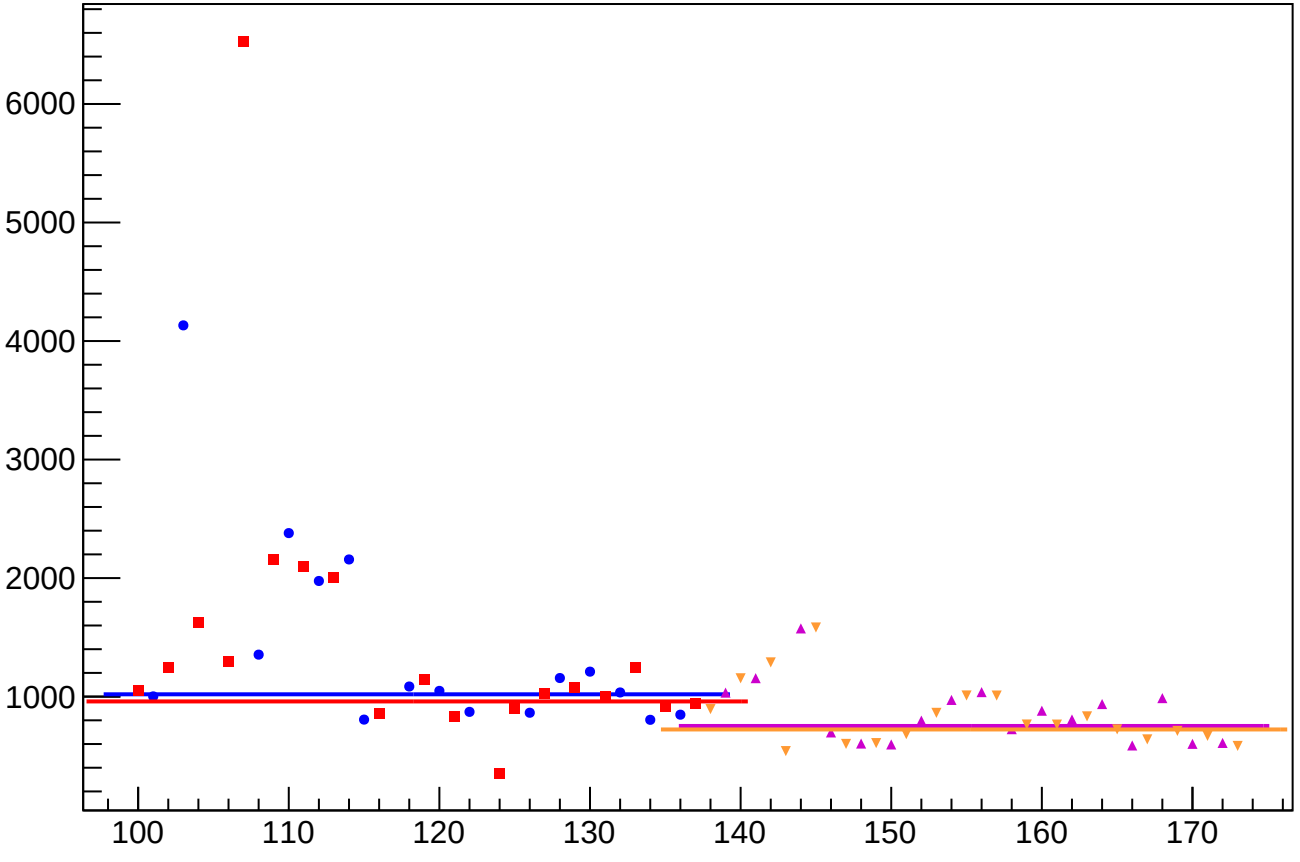
In: 2430.416+/-0.374 χ^2/NDF:271571.5/32

Out: 2466.179+/-0.370 χ^2/NDF:685552.6/37

All: 2448.460+/-0.263 χ^2/NDF: 961744.4/70


asym_atl1_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -31.253+/-405.723 χ²/NDF: 13.8/15
Left Out: 398.745+/-193.658 χ²/NDF:24.7/18
Right Out: -331.962+/-399.334 χ²/NDF: 14.4/18
Left In: 41.917+/-208.907 χ²/NDF:16.2/16
Left: 233.828+/-142.022 χ²/NDF: 42.5/35
Right: -183.994+/-284.604 χ²/NDF: 28.5/34
In: 26.583+/-185.732 χ²/NDF:30.0/32
Out: 259.618+/-174.249 χ²/NDF:41.8/37
All: 150.526+/-127.078 χ²/NDF: 72.7/70

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 722.823+/-0.137 χ^2/NDF:1695028.8/18

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 752.283+/-0.148 χ^2/NDF:1734351.8/16

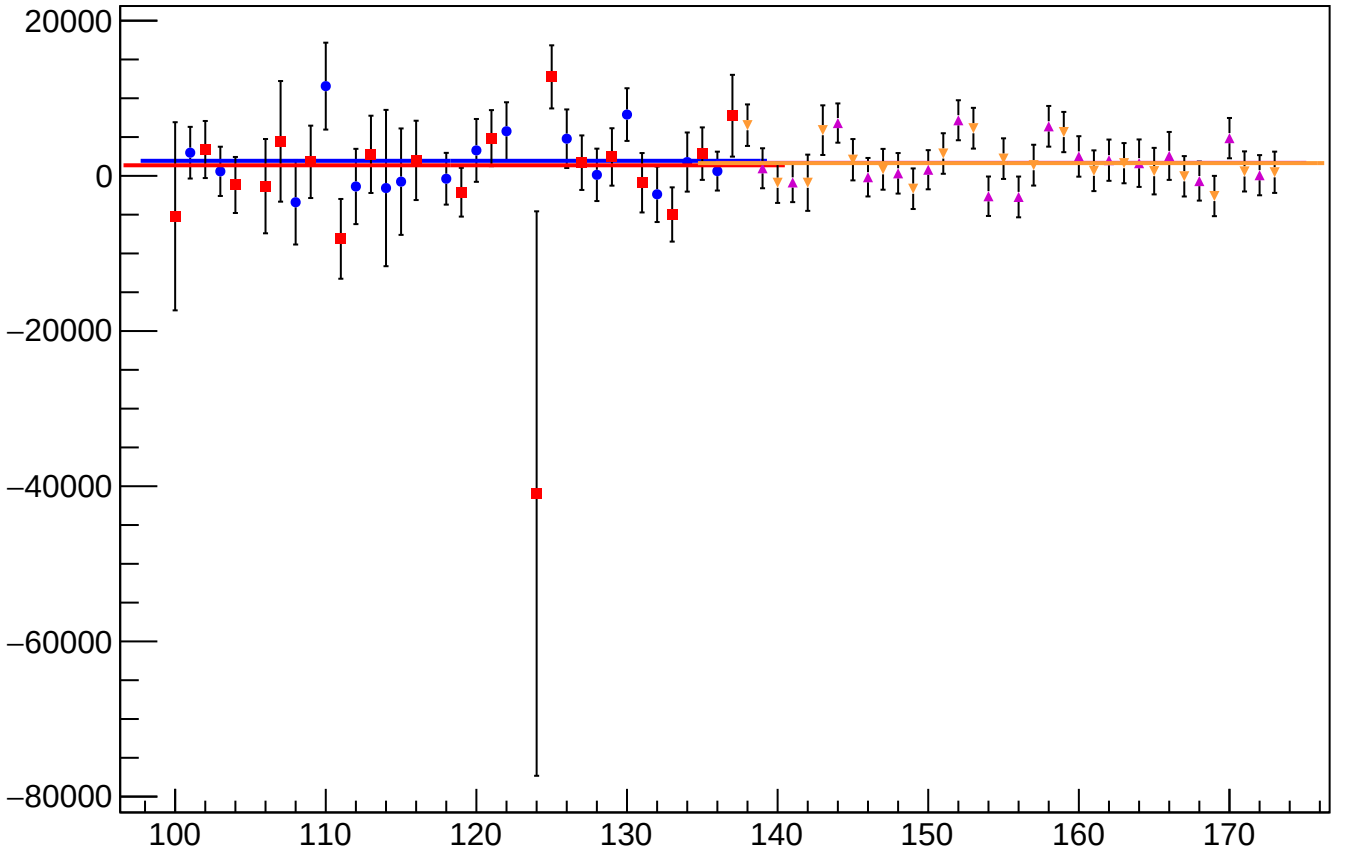
Left: 736.438+/-0.100 χ^2/NDF: 3450771.8/35

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 808.285+/-0.131 χ^2/NDF:3784916.3/32

Out: 767.856+/-0.123 χ^2/NDF:4607489.5/37

All: 786.782+/-0.090 χ^2/NDF: 8442805.1/70



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1643.552+/-618.295 χ^2/NDF:17.6/18

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1676.805+/-635.256 χ^2/NDF:22.5/16

Left: 1659.729+/-443.076 χ^2/NDF: 40.0/35

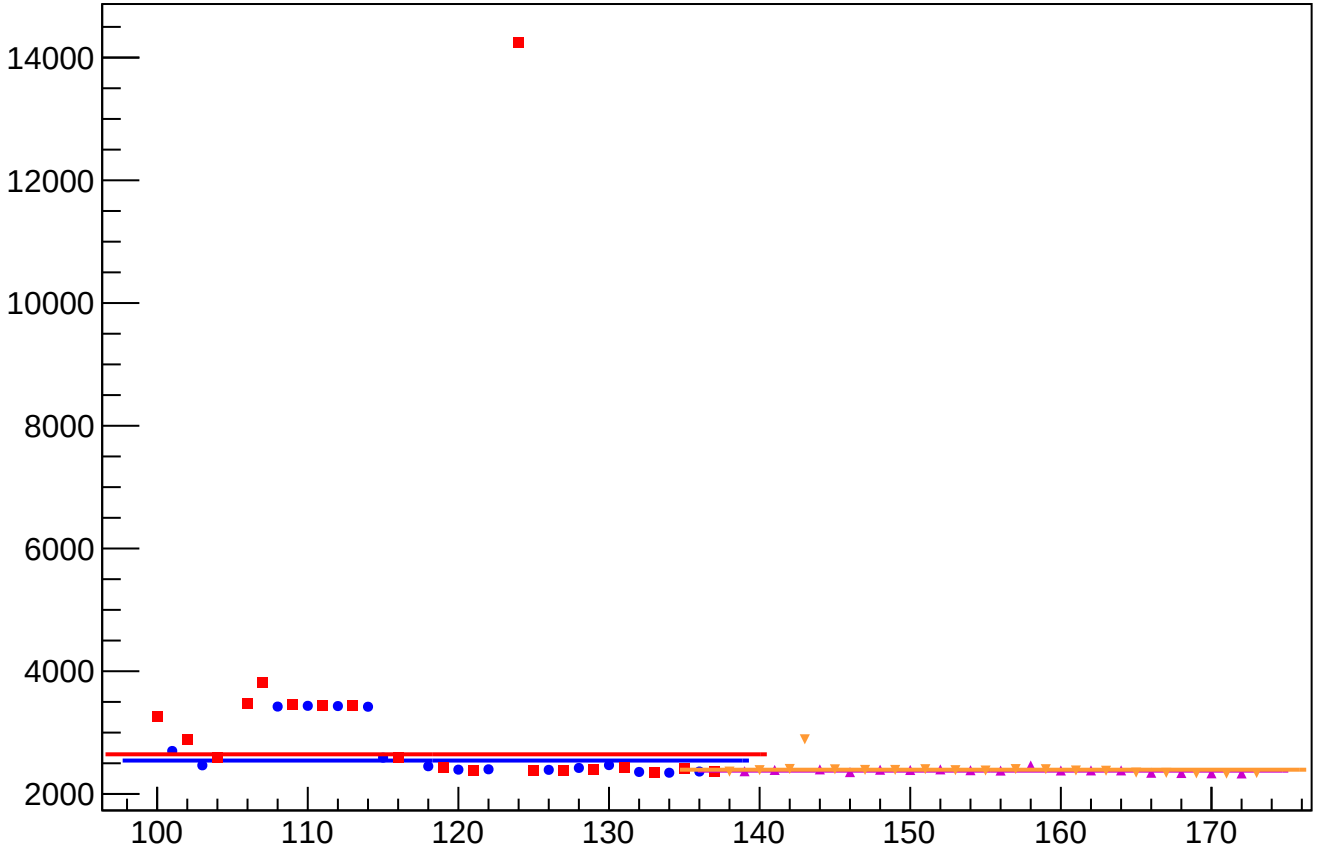
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1757.830+/-528.505 χ^2/NDF:34.8/32

Out: 1564.327+/-523.737 χ^2/NDF:39.3/37

All: 1660.202+/-372.013 χ^2/NDF: 74.2/70

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2395.306+/-0.437 χ^2/NDF:52977.7/18

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2379.713+/-0.449 χ^2/NDF:4569.8/16

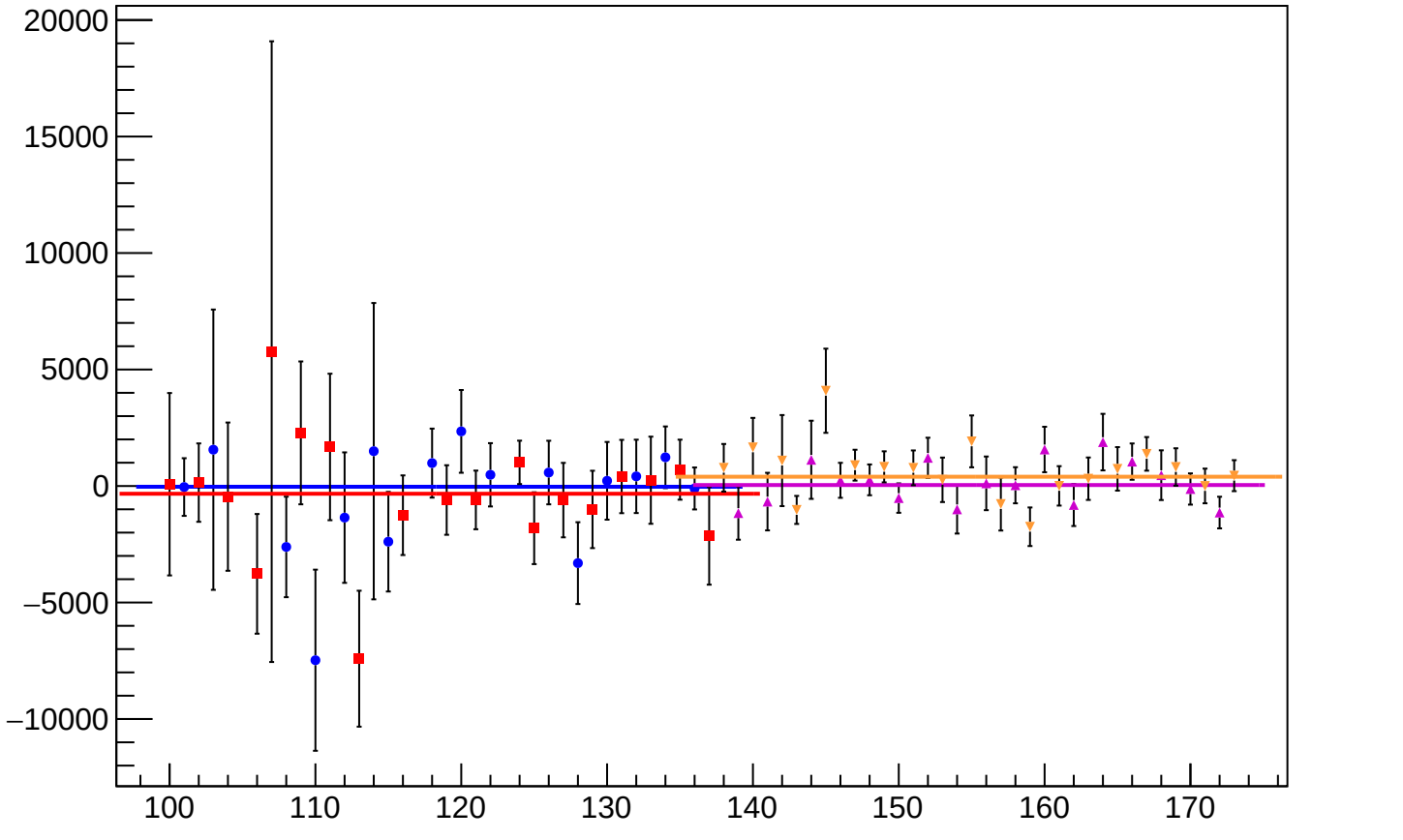
Left: 2387.720+/-0.313 χ^2/NDF: 58166.3/35

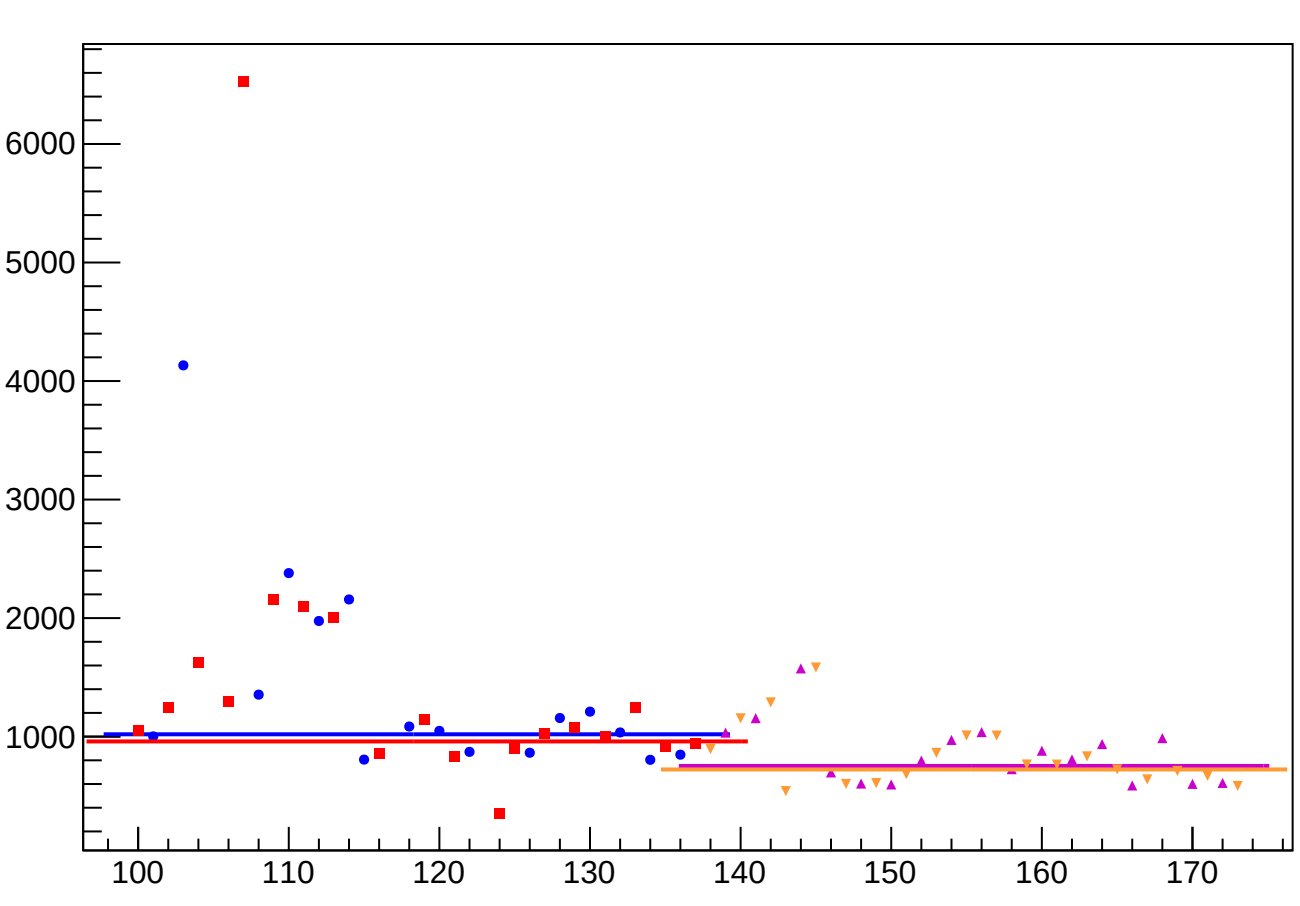
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2430.416+/-0.374 χ^2/NDF:271571.5/32

Out: 2466.179+/-0.370 χ^2/NDF:685552.6/37

All: 2448.460+/-0.263 χ^2/NDF: 961744.4/70


asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -31.253+/-405.723 χ²/NDF: 13.8/15
Left Out: 398.745+/-193.658 χ²/NDF:24.7/18
Right Out: -331.962+/-399.334 χ²/NDF: 14.4/18
Left In: 41.917+/-208.907 χ²/NDF:16.2/16
Left: 233.828+/-142.022 χ²/NDF: 42.5/35
Right: -183.994+/-284.604 χ²/NDF: 28.5/34
In: 26.583+/-185.732 χ²/NDF:30.0/32
Out: 259.618+/-174.249 χ²/NDF:41.8/37
All: 150.526+/-127.078 χ²/NDF: 72.7/70



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 722.823+/-0.137 χ^2/NDF:1695028.8/18

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 752.283+/-0.148 χ^2/NDF:1734351.8/16

Left: 736.438+/-0.100 χ^2/NDF: 3450771.8/35

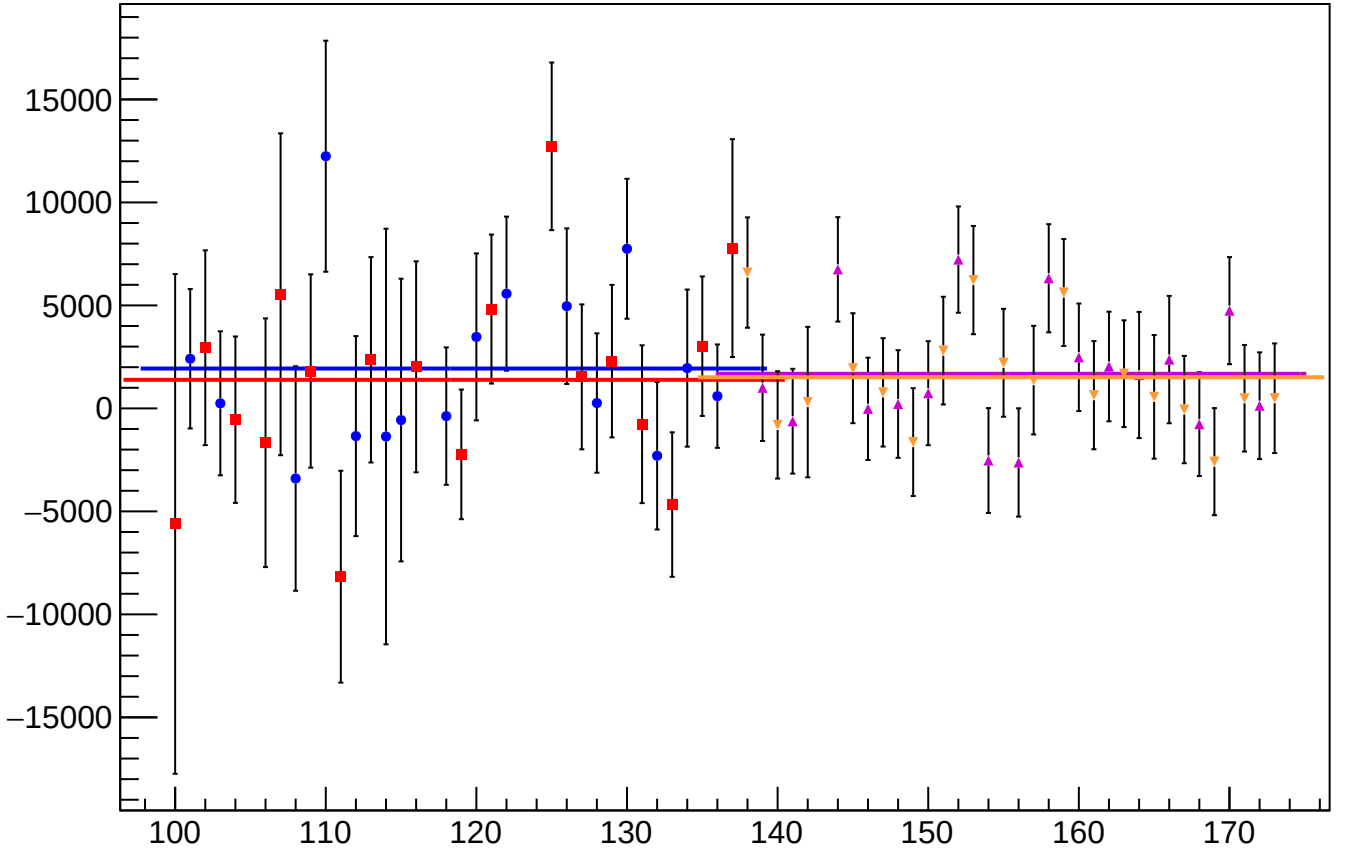
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 808.285+/-0.131 χ^2/NDF:3784916.3/32

Out: 767.856+/-0.123 χ^2/NDF:4607489.5/37

All: 786.782+/-0.090 χ^2/NDF: 8442805.1/70

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1510.556+/-630.884 χ^2/NDF:15.5/17

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1678.772+/-635.815 χ^2/NDF:21.8/16

Left: 1594.009+/-447.835 χ^2/NDF: 37.3/34

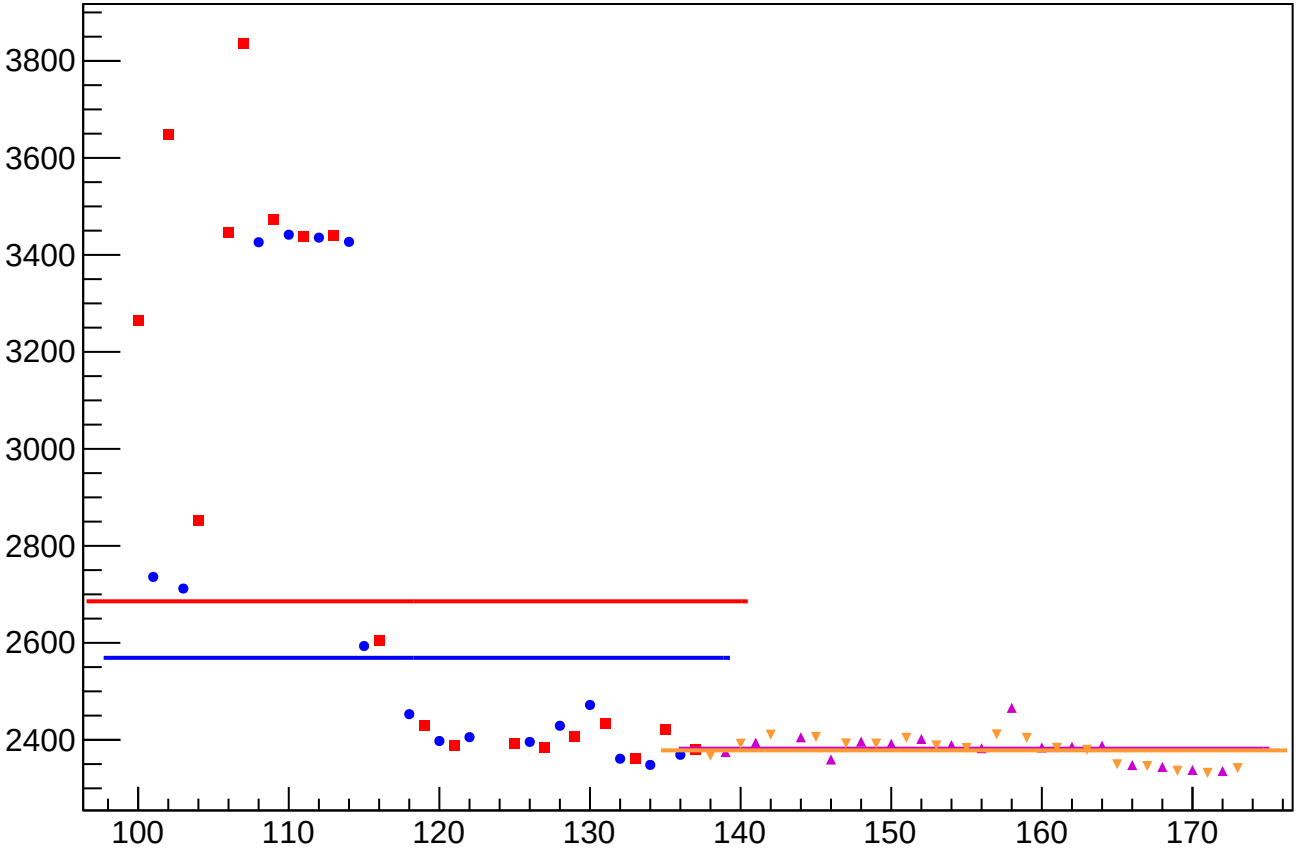
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1756.937+/-530.484 χ^2/NDF:34.2/32

Out: 1475.988+/-534.942 χ^2/NDF:35.2/35

All: 1617.638+/-376.675 χ^2/NDF: 69.6/68

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2378.290+/-0.446 χ^2/NDF:3362.7/17

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2381.796+/-0.450 χ^2/NDF:4585.3/16

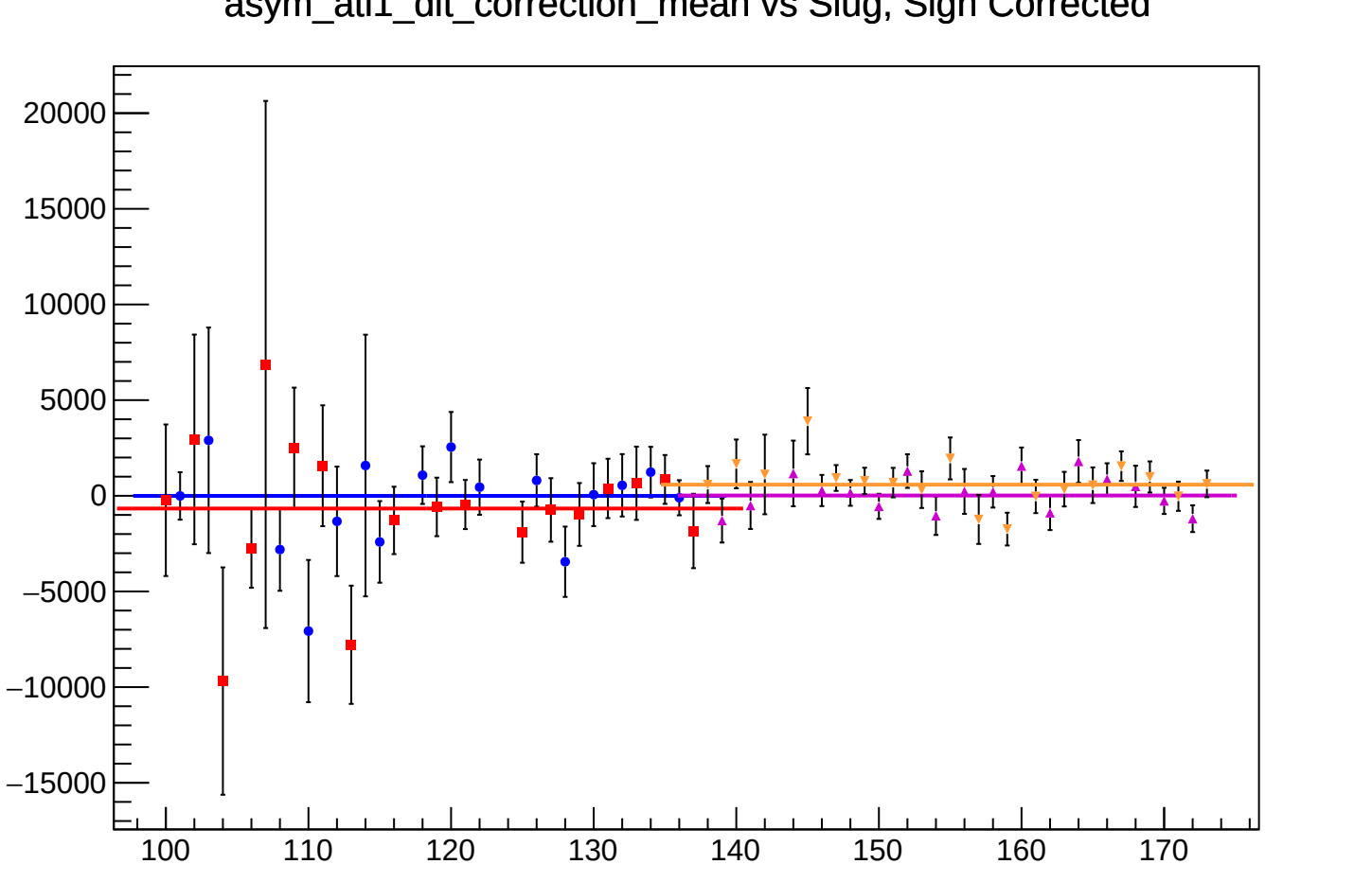
Left: 2380.029+/-0.317 χ^2/NDF: 7978.6/34

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

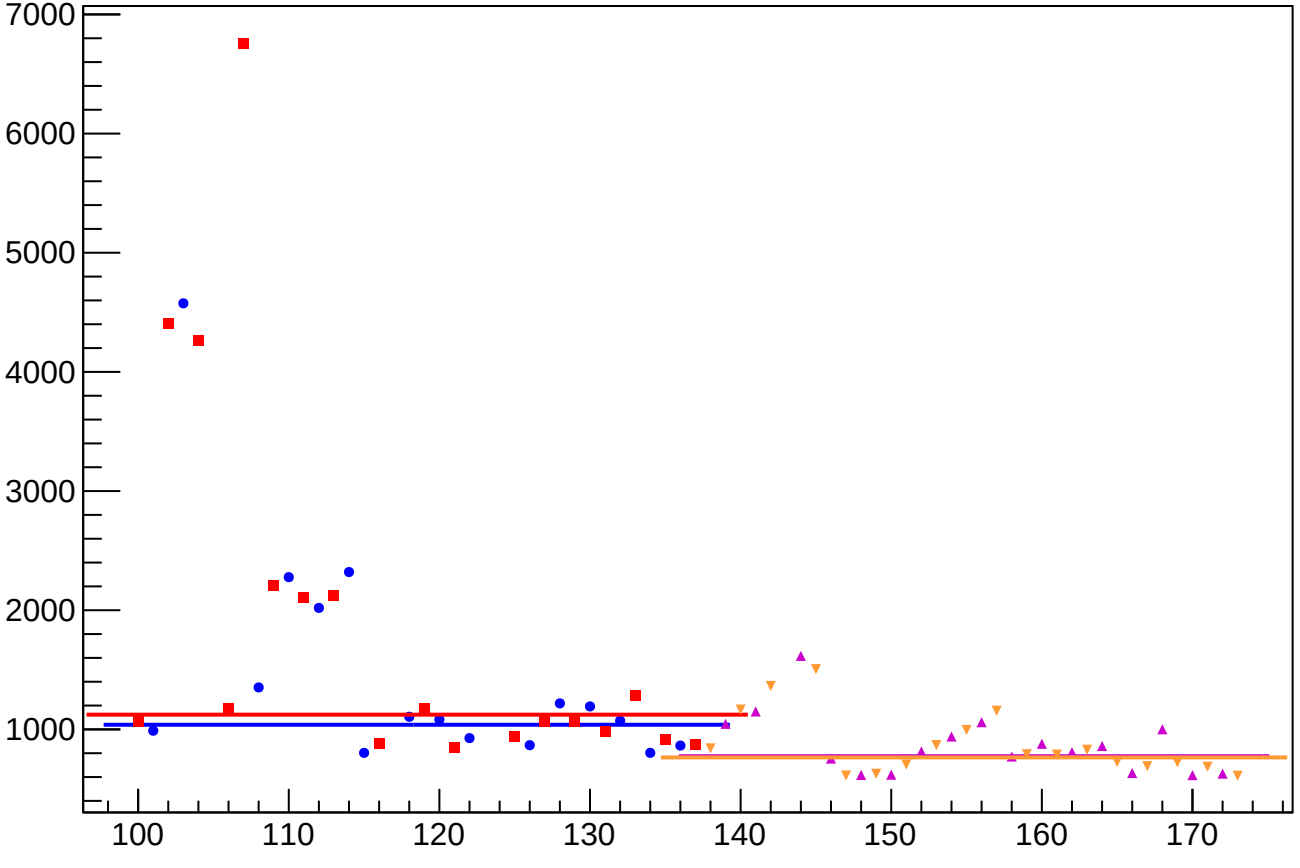
In: 2438.723+/-0.375 χ^2/NDF:286832.9/32

Out: 2464.672+/-0.378 χ^2/NDF:556052.6/35

All: 2451.589+/-0.266 χ^2/NDF: 845258.1/68


asym_atl1_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -5.169+/-412.248 χ²/NDF: 14.5/15
Left Out: 580.862+/-209.482 χ²/NDF:18.8/17
Right Out: -665.952+/-460.513 χ²/NDF: 14.4/17
Left In: 14.420+/-214.014 χ²/NDF:16.6/16
Left: 303.703+/-149.703 χ²/NDF: 39.0/34
Right: -299.130+/-307.154 χ²/NDF: 30.0/33
In: 10.261+/-189.944 χ²/NDF:31.1/32
Out: 367.099+/-190.681 χ²/NDF:39.3/35
All: 187.990+/-134.570 χ²/NDF: 72.1/68

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 764.711+/-0.148 χ^2/NDF:1392286.5/17

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 774.928+/-0.151 χ^2/NDF:1554880.5/16

Left: 769.710+/-0.106 χ^2/NDF: 2949494.8/34

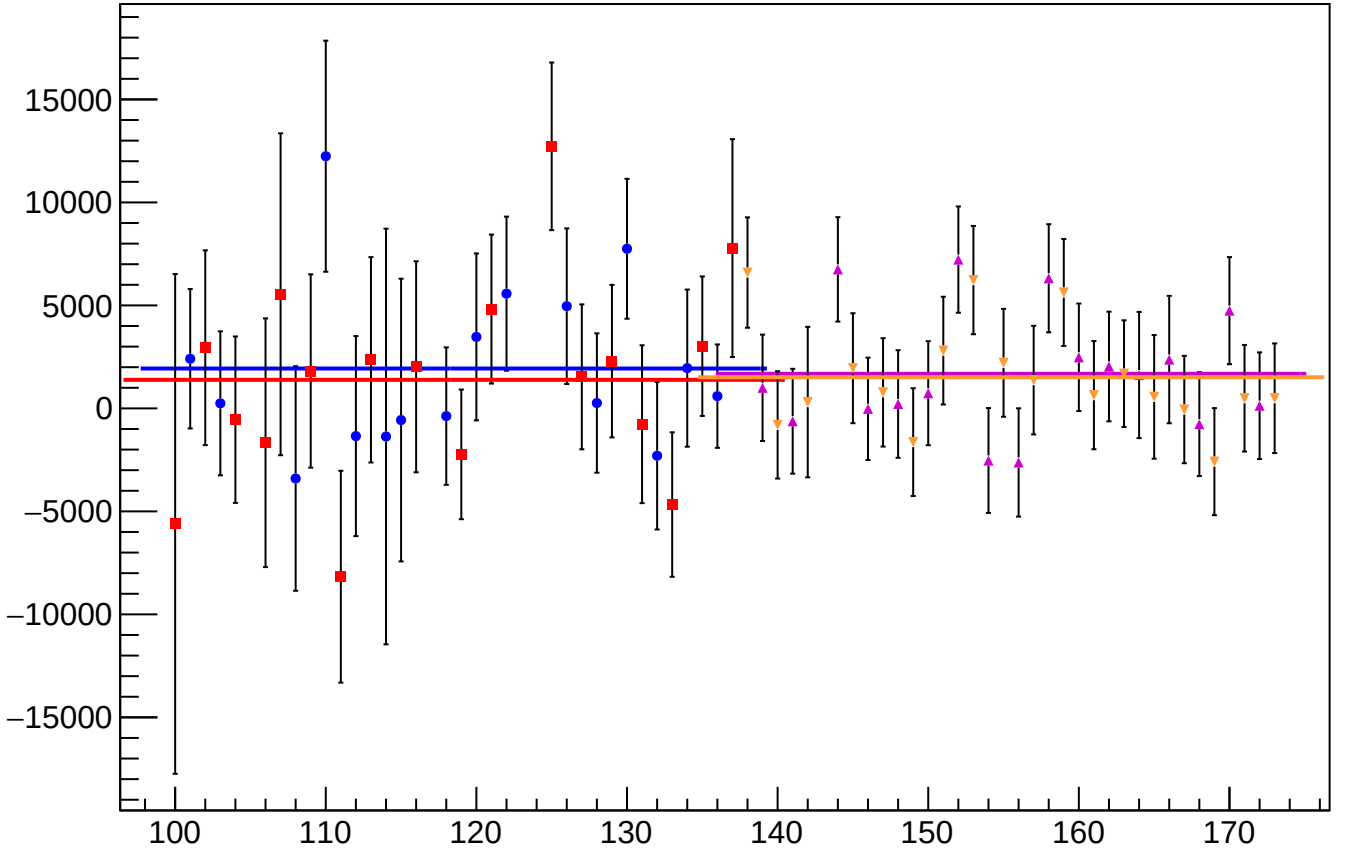
Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 830.947+/-0.134 χ^2/NDF:3740077.6/32

Out: 826.220+/-0.135 χ^2/NDF:4933529.2/35

All: 828.593+/-0.095 χ^2/NDF: 8674223.6/68

eigen_dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1510.556+/-630.884 χ^2/NDF:15.5/17

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1678.773+/-635.815 χ^2/NDF:21.8/16

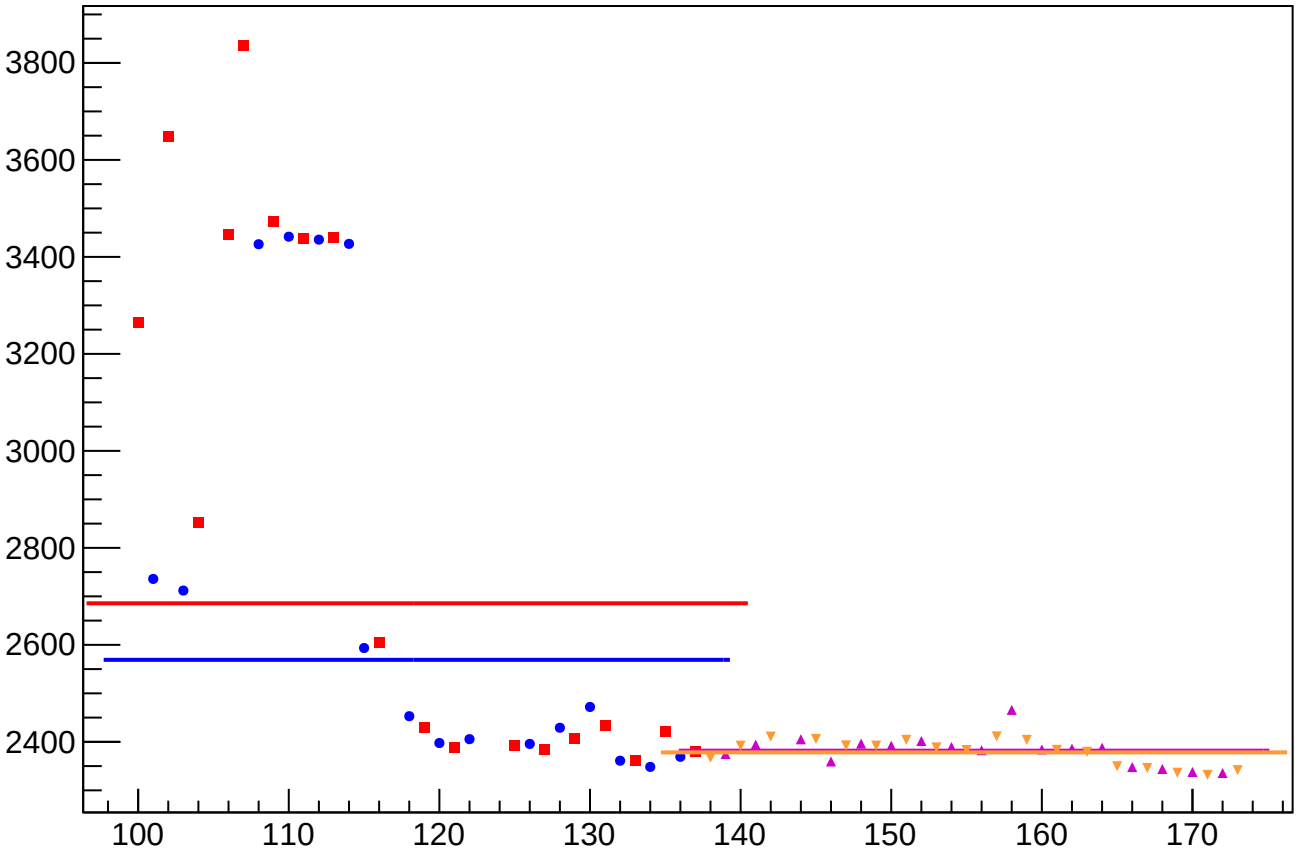
Left: 1594.010+/-447.835 χ^2/NDF: 37.3/34

Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1756.936+/-530.484 χ^2/NDF:34.2/32

Out: 1475.987+/-534.942 χ^2/NDF:35.2/35

All: 1617.637+/-376.675 χ^2/NDF: 69.6/68



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2378.290+/-0.446 χ^2/NDF:3362.7/17

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2381.796+/-0.450 χ^2/NDF:4585.3/16

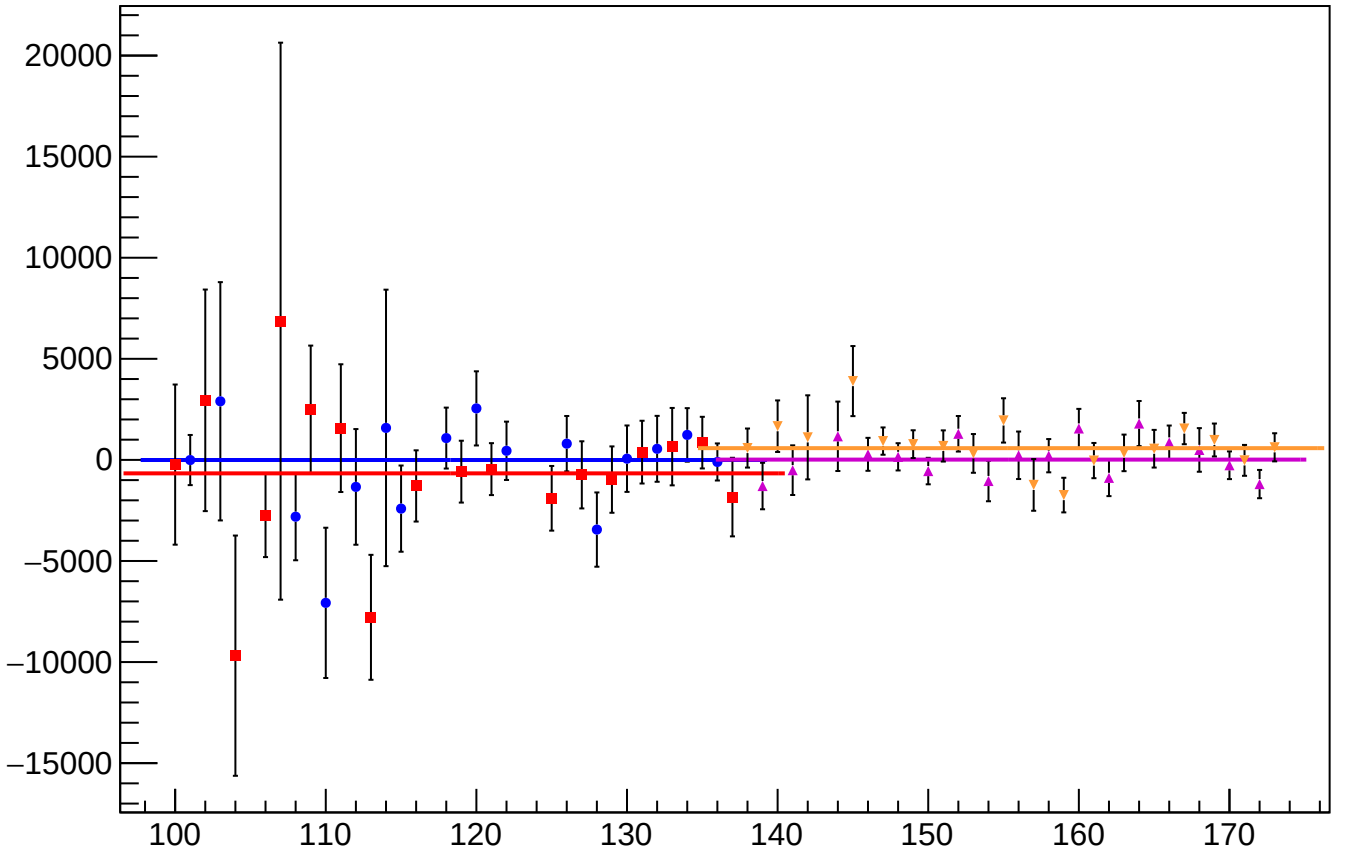
Left: 2380.029+/-0.317 χ^2/NDF: 7978.6/34

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

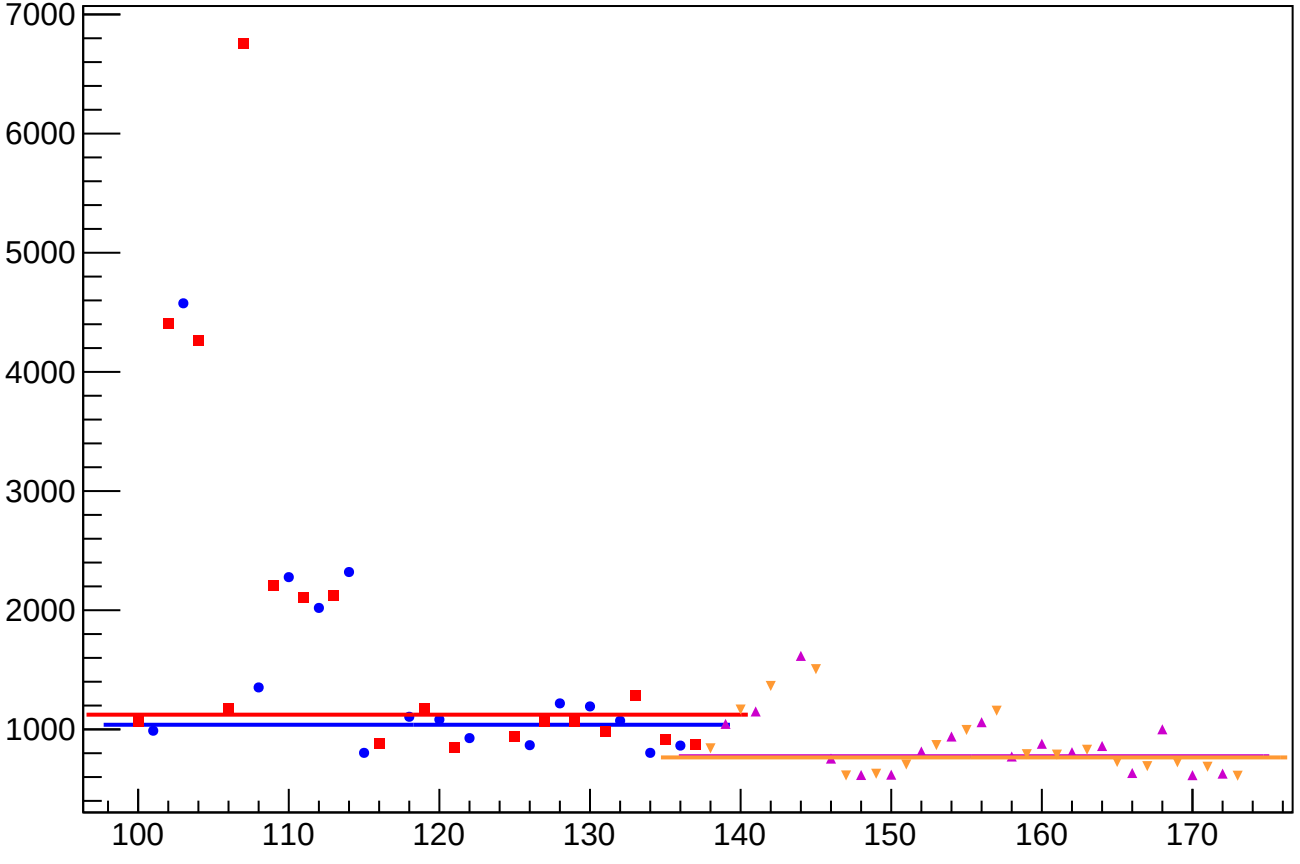
In: 2438.723+/-0.375 χ^2/NDF:286832.4/32

Out: 2464.672+/-0.378 χ^2/NDF:556051.6/35

All: 2451.589+/-0.266 χ^2/NDF: 845256.7/68


asym_atl1_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -5.172+/-412.248 χ²/NDF: 14.5/15
Left Out: 580.863+/-209.482 χ²/NDF:18.8/17
Right Out: -665.953+/-460.513 χ²/NDF: 14.4/17
Left In: 14.420+/-214.015 χ²/NDF:16.6/16
Left: 303.703+/-149.703 χ²/NDF: 39.0/34
Right: -299.132+/-307.154 χ²/NDF: 30.0/33
In: 10.261+/-189.944 χ²/NDF:31.1/32
Out: 367.099+/-190.681 χ²/NDF:39.3/35
All: 187.989+/-134.571 χ²/NDF: 72.1/68

asym_atl1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 764.713+/-0.148 χ^2/NDF:1392285.3/17

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 774.930+/-0.151 χ^2/NDF:1554878.6/16

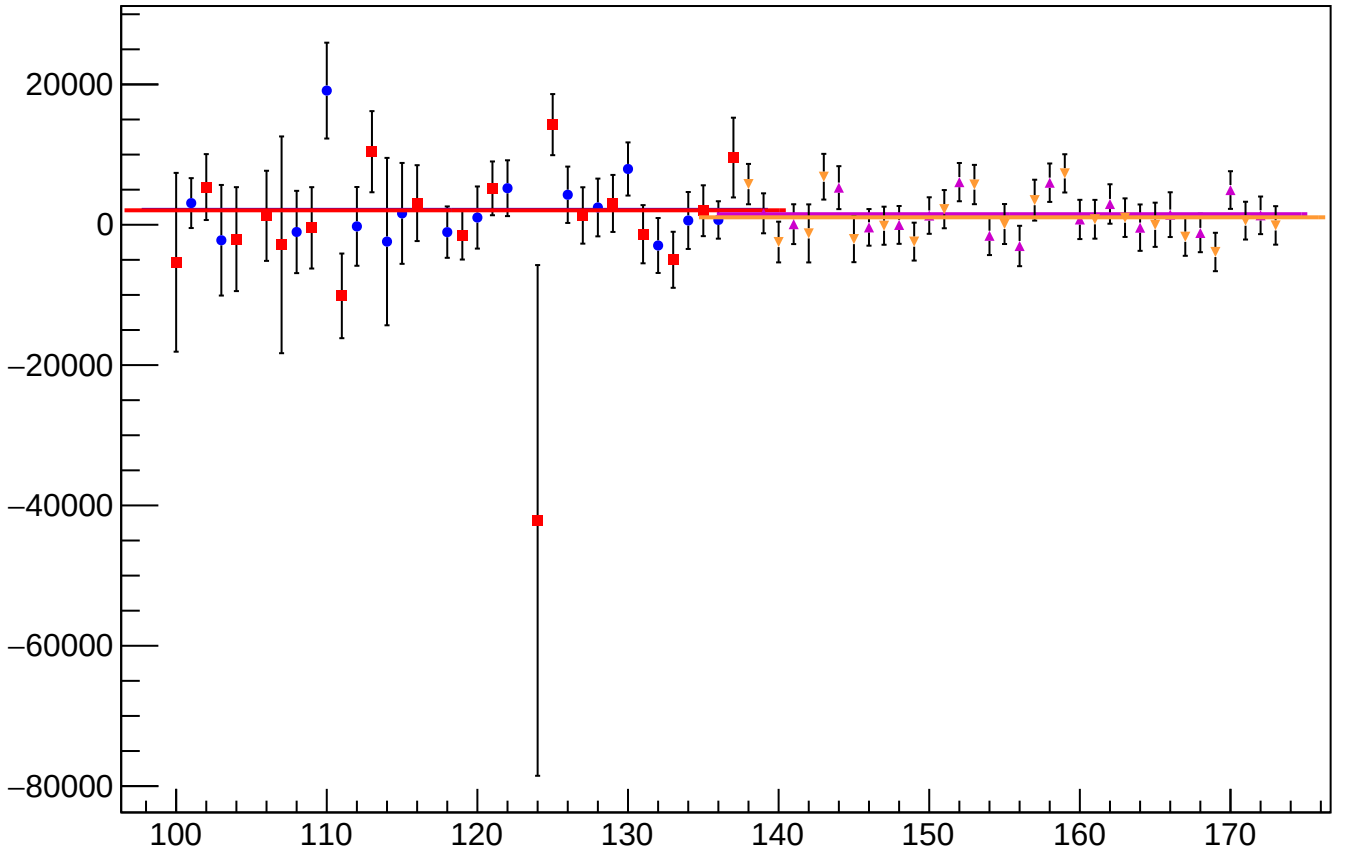
Left: 769.712+/-0.106 χ^2/NDF: 2949491.7/34

Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 830.948+/-0.134 χ^2/NDF:3740065.0/32

Out: 826.222+/-0.135 χ^2/NDF:4933517.9/35

All: 828.594+/-0.095 χ^2/NDF: 8674199.7/68



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1061.314+/-659.437 χ^2/NDF:24.1/18

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1502.498+/-680.119 χ^2/NDF:15.1/16

Left: 1275.096+/-473.435 χ^2/NDF: 39.4/35

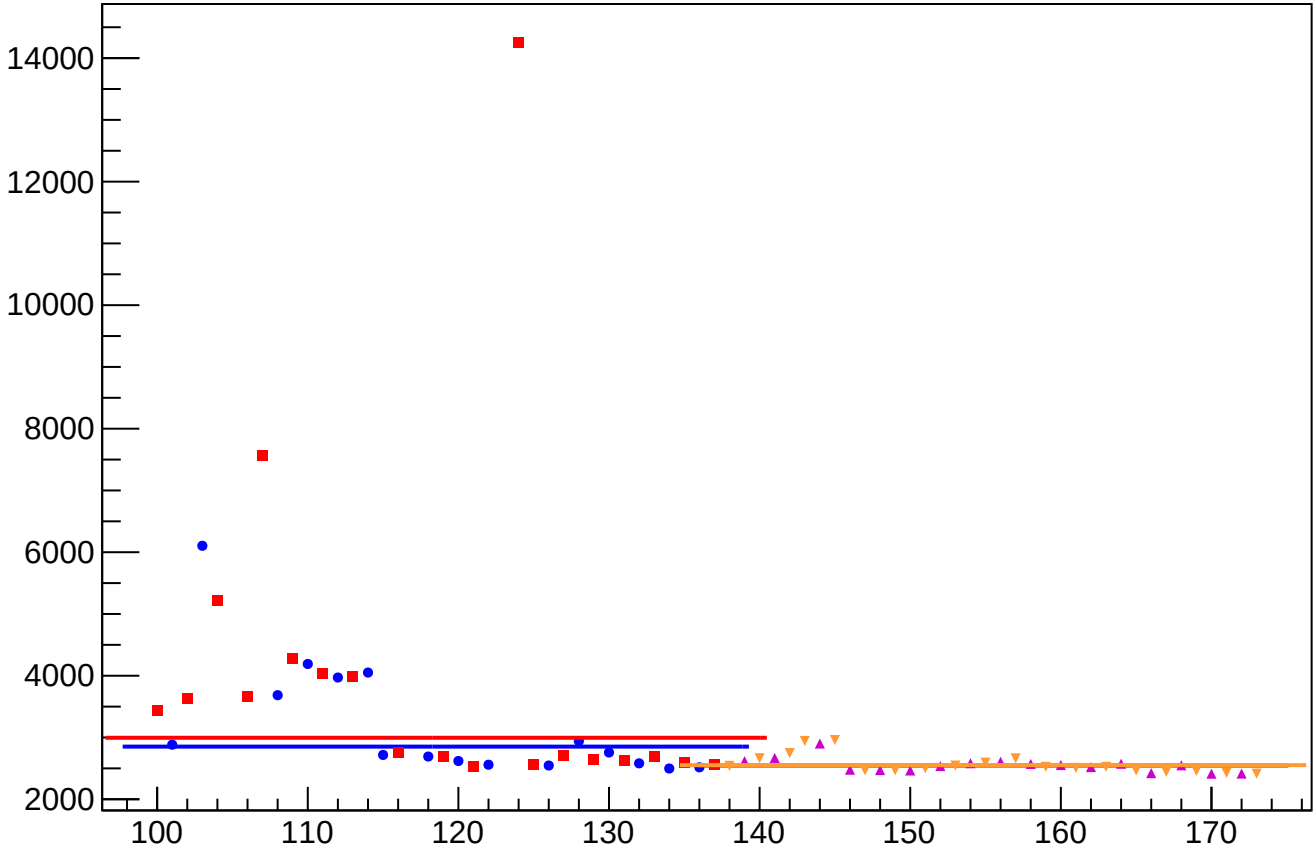
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1677.318+/-576.218 χ^2/NDF:28.7/32

Out: 1312.690+/-570.415 χ^2/NDF:49.0/37

All: 1493.159+/-405.380 χ^2/NDF: 77.9/70

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2552.392+/-0.466 χ^2/NDF:91890.2/18

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2545.101+/-0.481 χ^2/NDF:51054.2/16

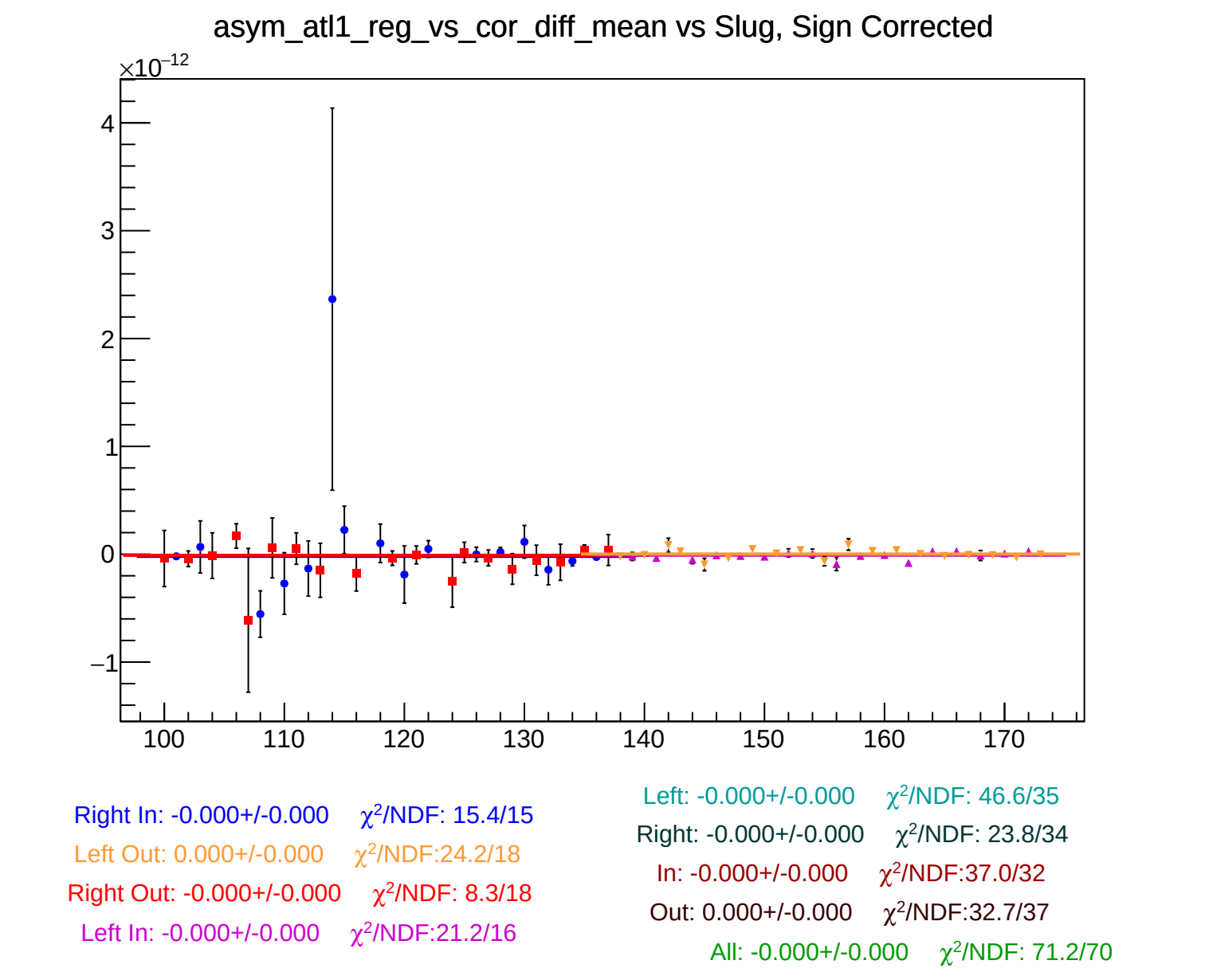
Left: 2548.859+/-0.335 χ^2/NDF: 143062.9/35

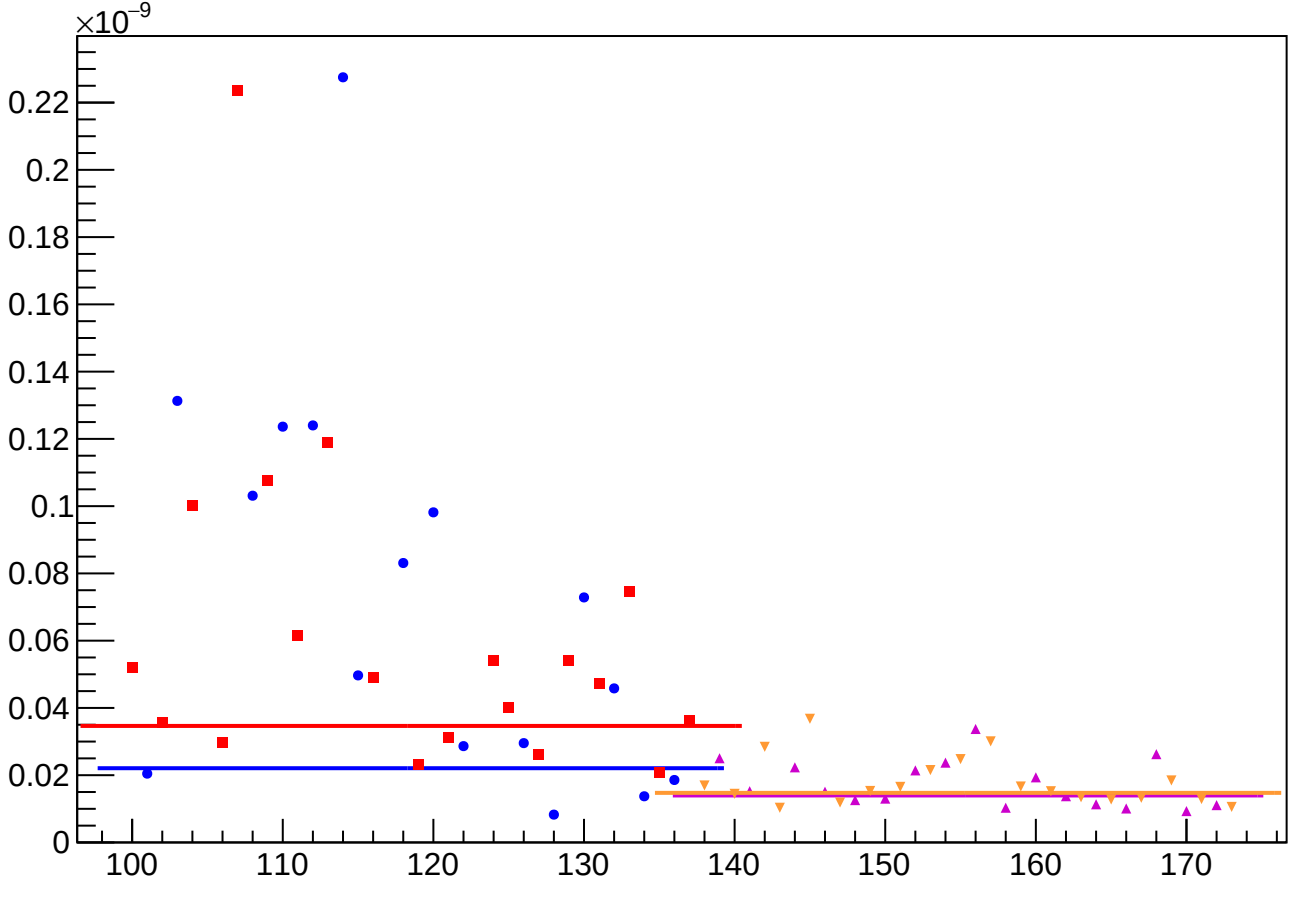
Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2631.765+/-0.407 χ^2/NDF:814846.5/32

Out: 2663.960+/-0.403 χ^2/NDF:1298442.6/37

All: 2648.026+/-0.287 χ^2/NDF: 2116442.5/70


asym_atl1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: 0.000+/-0.000 χ²/NDF:24.2/18
Right Out: -0.000+/-0.000 χ²/NDF: 8.3/18
Left In: -0.000+/-0.000 χ²/NDF:21.2/16
Left: -0.000+/-0.000 χ²/NDF: 46.6/35
Right: -0.000+/-0.000 χ²/NDF: 23.8/34
In: -0.000+/-0.000 χ²/NDF:37.0/32
Out: 0.000+/-0.000 χ²/NDF:32.7/37
All: -0.000+/-0.000 χ²/NDF: 71.2/70



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1036651.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1182296.1/16

Left: 0.000+/-0.000 χ^2/NDF: 2233305.9/35

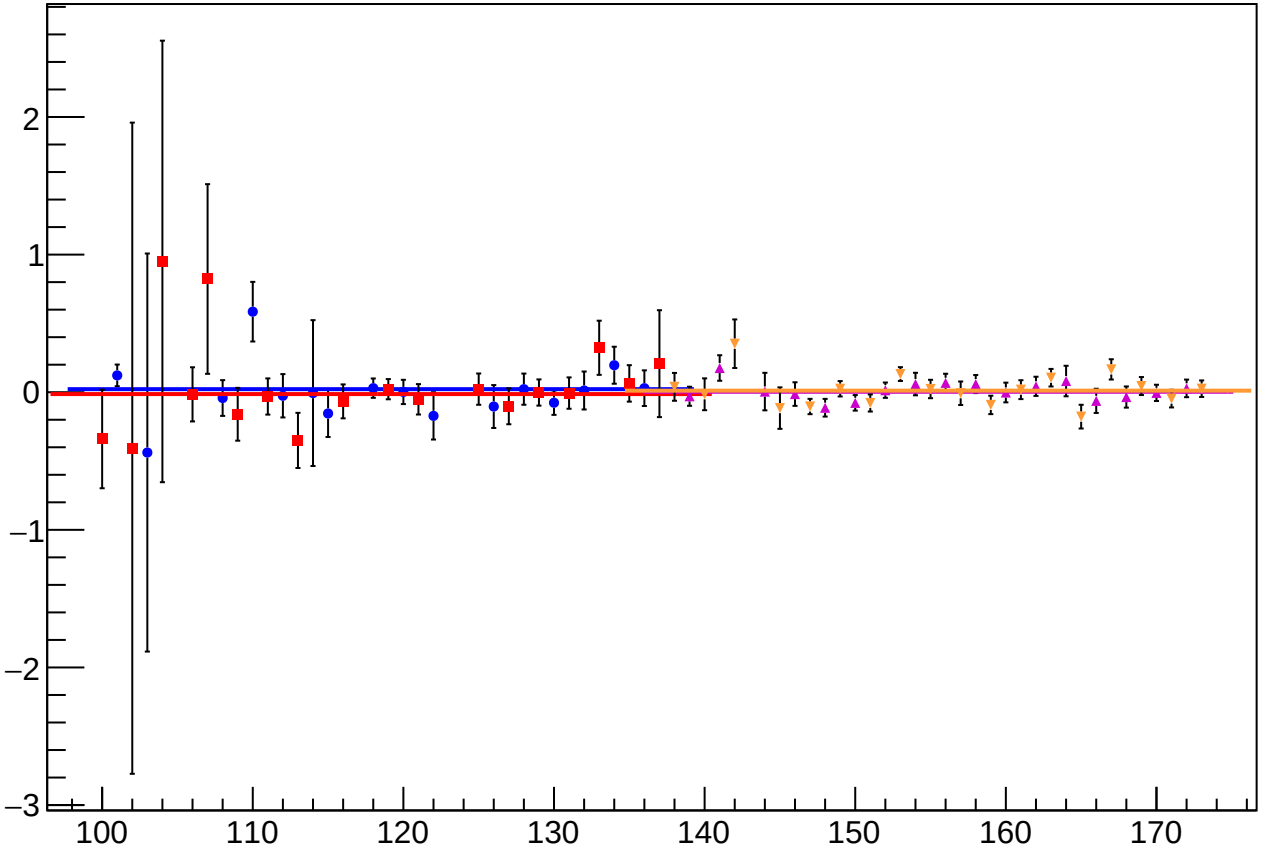
Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:3915348.8/32

Out: 0.000+/-0.000 χ^2/NDF:3524703.9/37

All: 0.000+/-0.000 χ^2/NDF: 7464137.1/70

asym_atl1_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.017 χ^2/NDF:31.8/17

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.003+/-0.017 χ^2/NDF:13.0/16

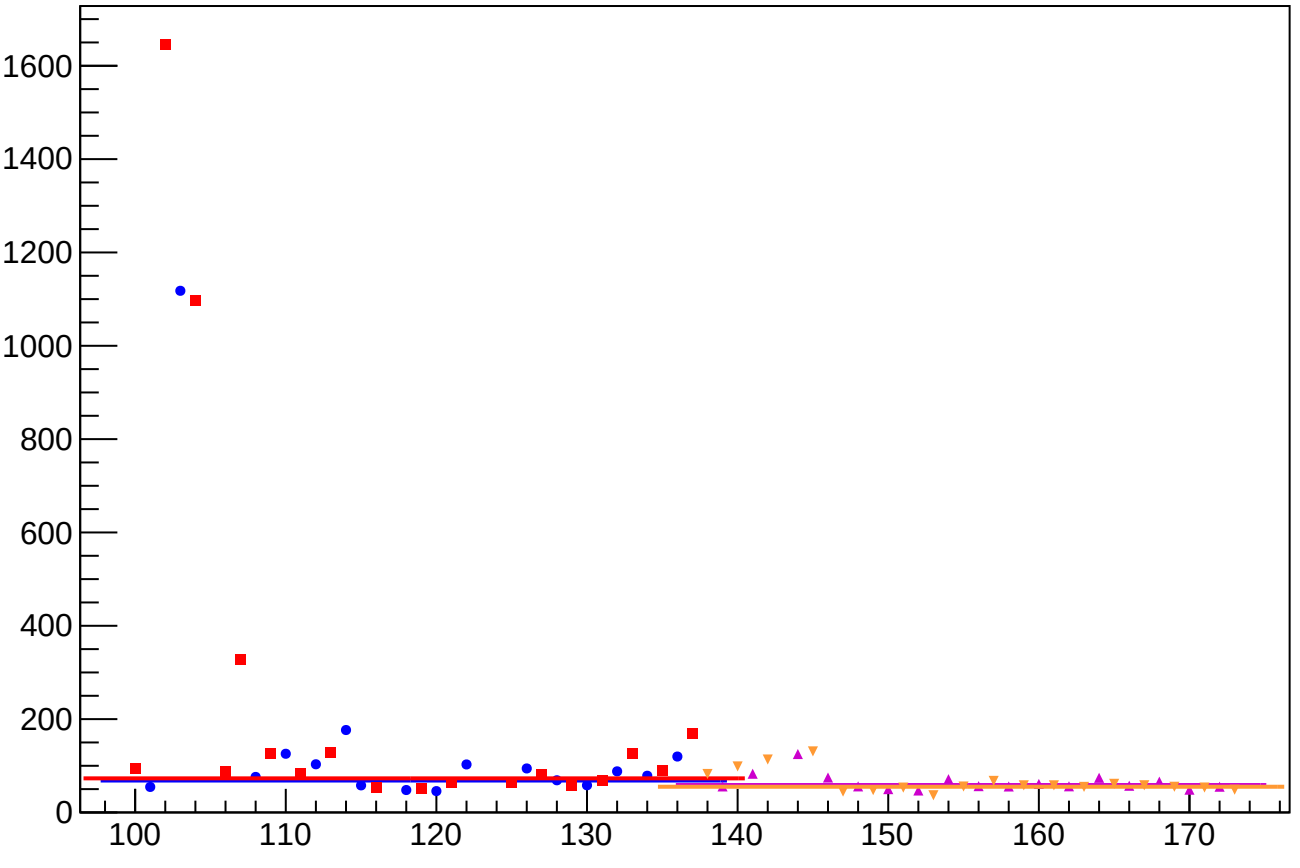
Left: 0.008+/-0.012 χ^2/NDF: 44.9/34

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.008+/-0.015 χ^2/NDF:28.1/32

Out: 0.007+/-0.015 χ^2/NDF:43.0/35

All: 0.007+/-0.011 χ^2/NDF: 71.2/68



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.096+/-0.012 χ^2/NDF:1611755.6/17

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 58.738+/-0.012 χ^2/NDF:1006632.4/16

Left: 56.826+/-0.008 χ^2/NDF: 2664525.2/34

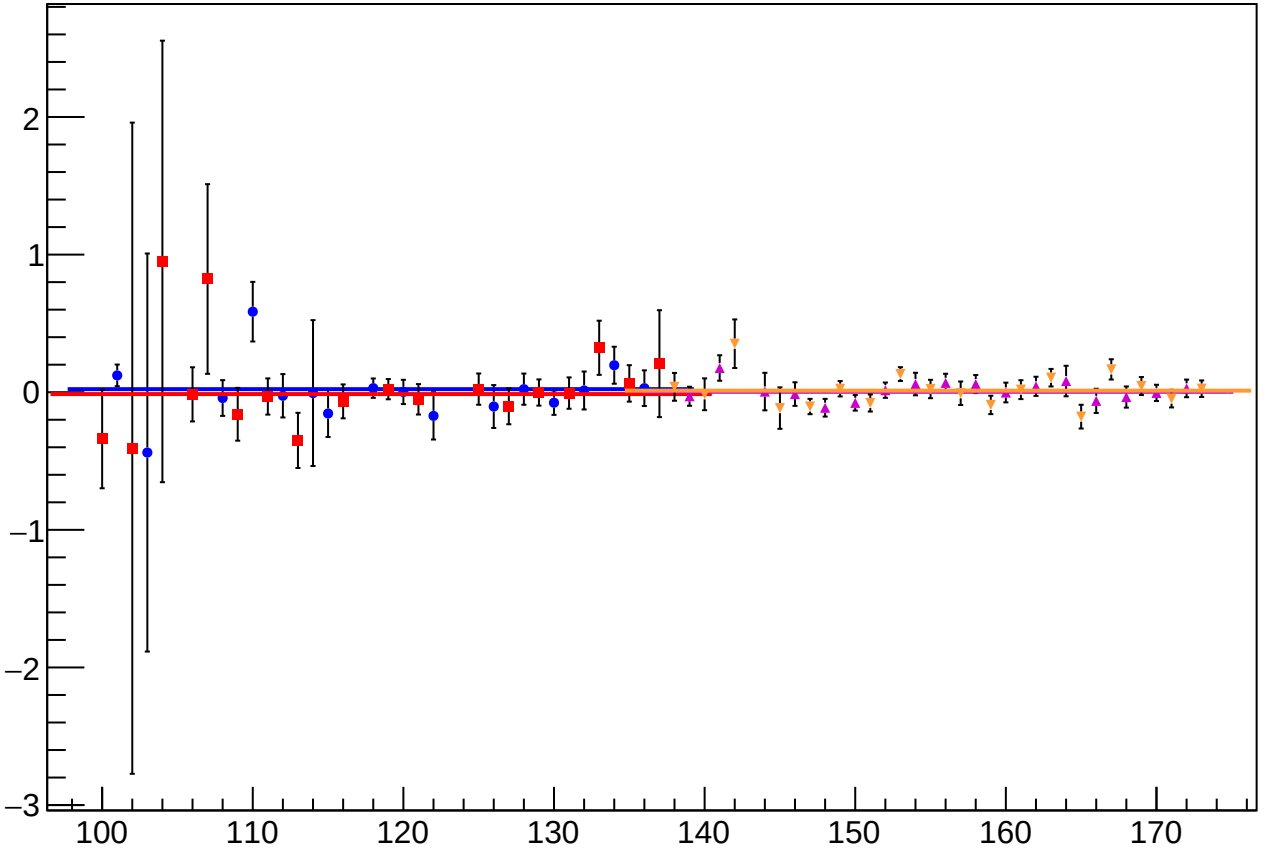
Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 61.154+/-0.011 χ^2/NDF:3439852.2/32

Out: 58.617+/-0.010 χ^2/NDF:4988583.5/35

All: 59.866+/-0.007 χ^2/NDF: 8457275.4/68

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.017 χ^2/NDF:31.8/17

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.003+/-0.017 χ^2/NDF:13.0/16

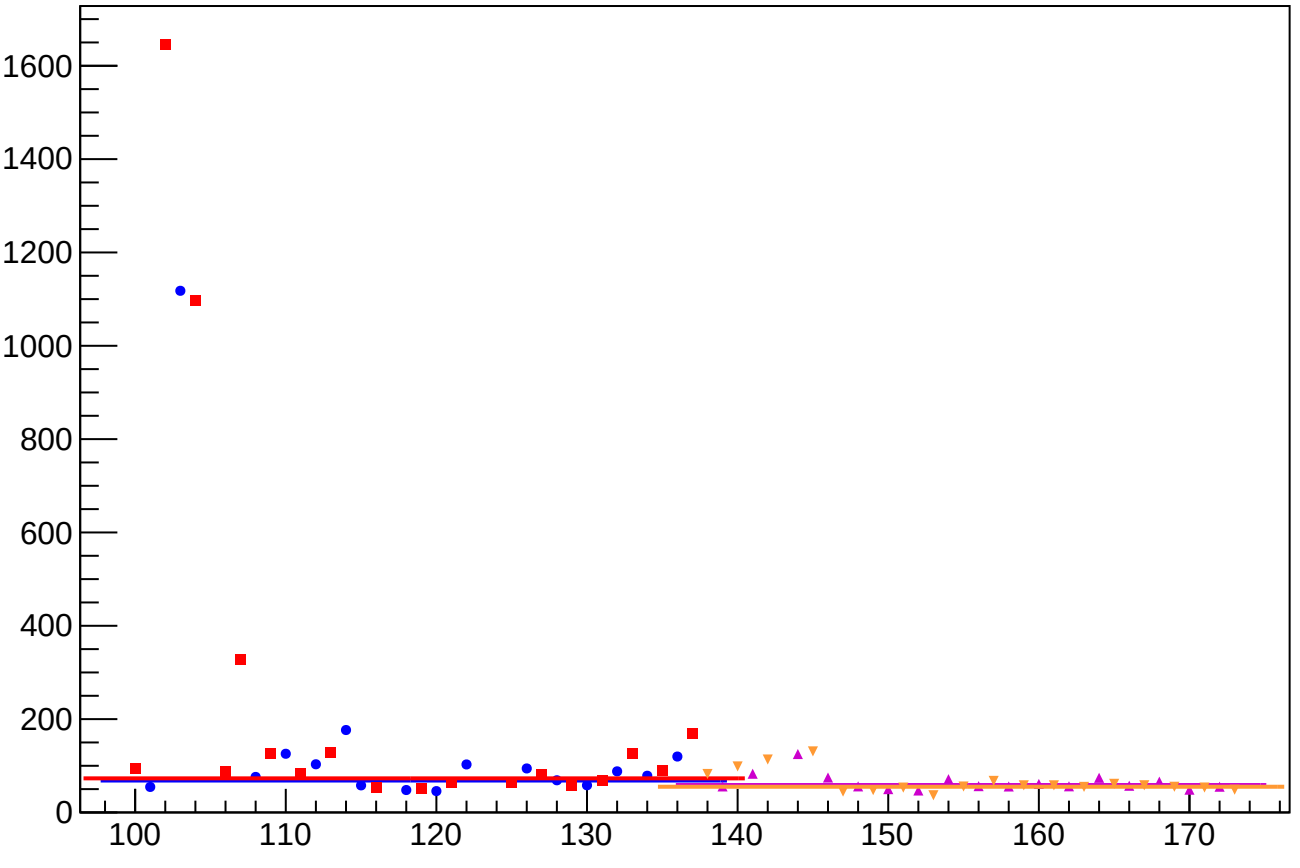
Left: 0.008+/-0.012 χ^2/NDF: 44.9/34

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.008+/-0.015 χ^2/NDF:28.1/32

Out: 0.007+/-0.015 χ^2/NDF:43.0/35

All: 0.007+/-0.011 χ^2/NDF: 71.2/68



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.096+/-0.012 χ^2/NDF:1611755.6/17

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 58.738+/-0.012 χ^2/NDF:1006632.4/16

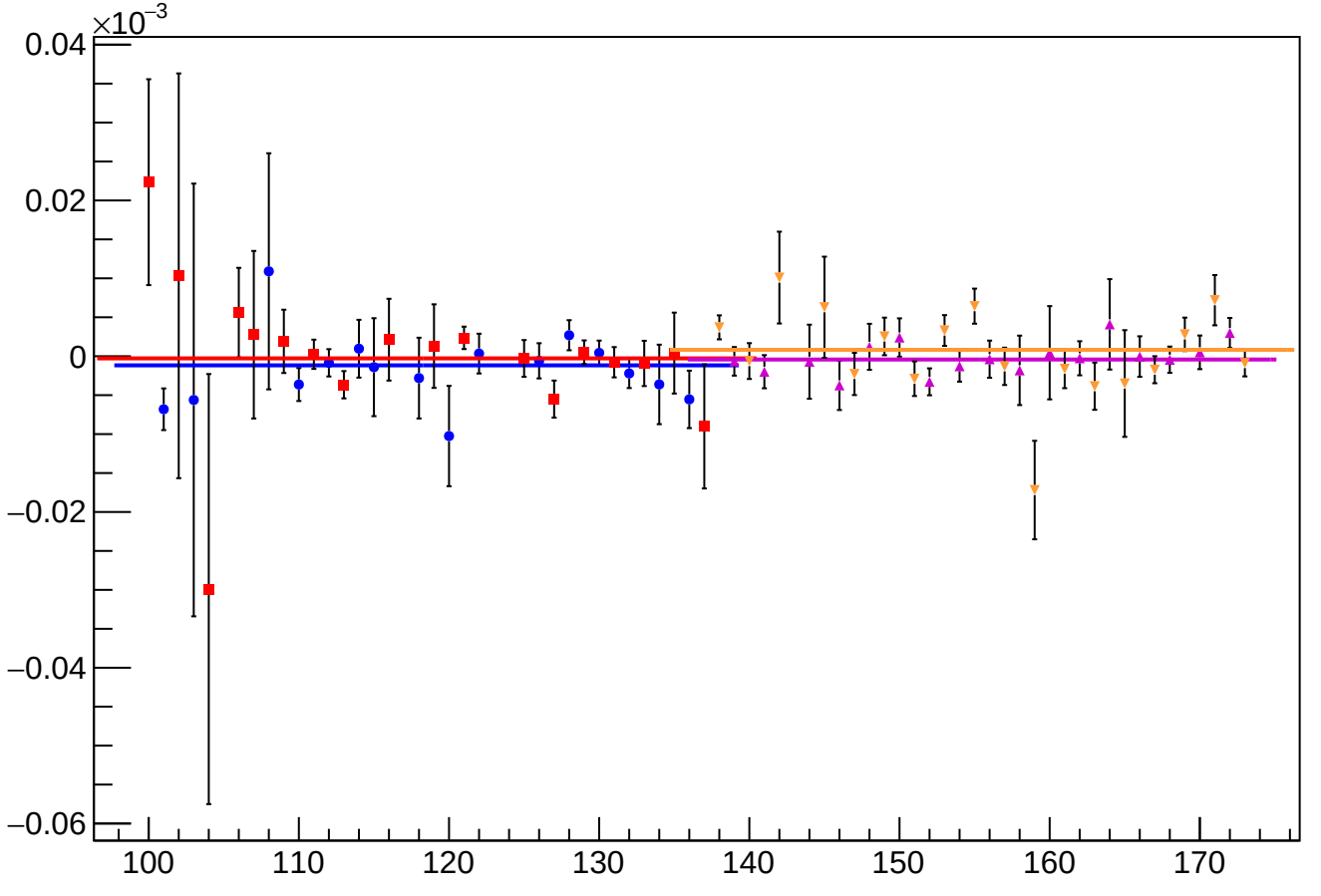
Left: 56.826+/-0.008 χ^2/NDF: 2664525.2/34

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 61.154+/-0.011 χ^2/NDF:3439852.2/32

Out: 58.617+/-0.010 χ^2/NDF:4988583.5/35

All: 59.866+/-0.007 χ^2/NDF: 8457275.4/68



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.0/17

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:10.3/16

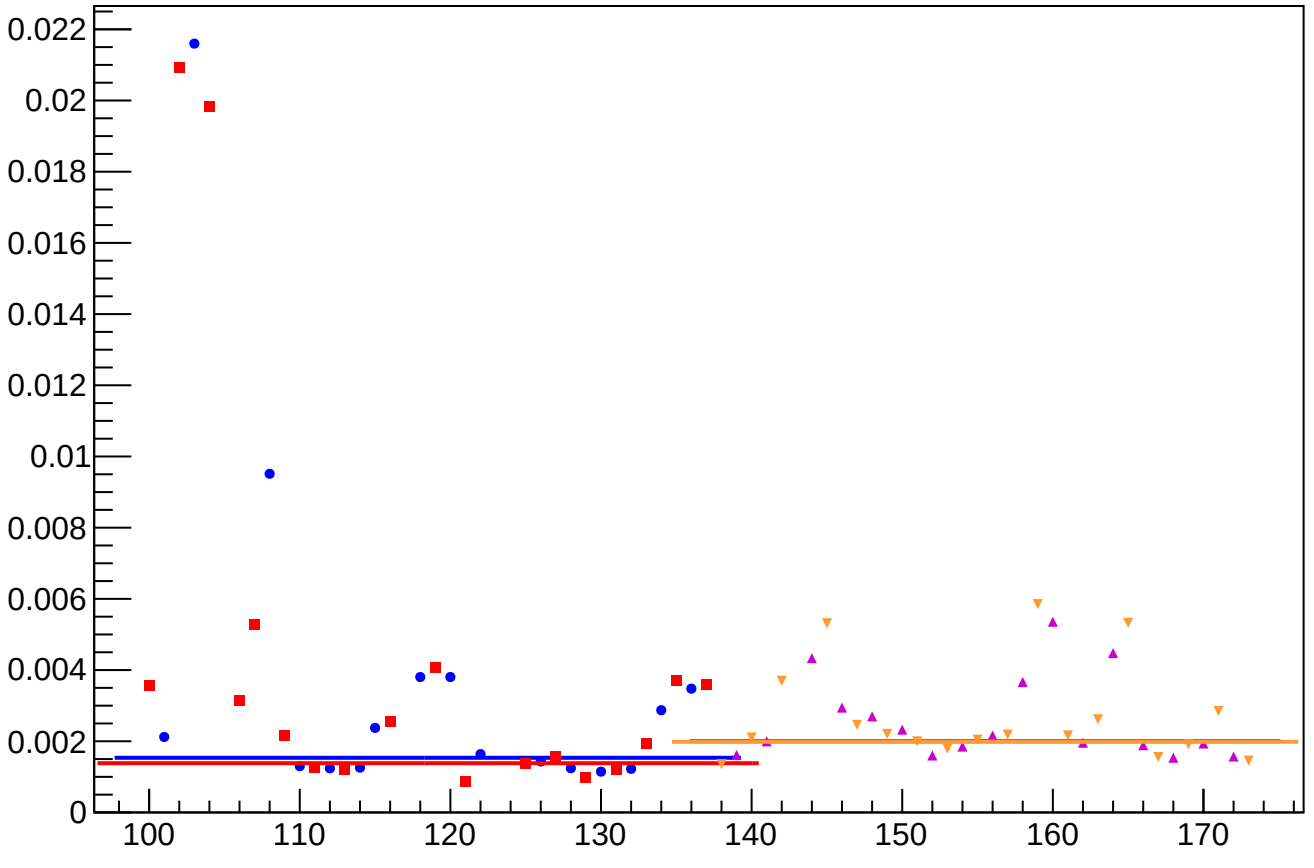
Left: 0.000+/-0.000 χ^2/NDF: 52.6/34

Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:27.3/32

Out: 0.000+/-0.000 χ^2/NDF:61.2/35

All: -0.000+/-0.000 χ^2/NDF: 91.7/68



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2925771.1/17

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.002+/-0.000 χ^2/NDF:2550529.8/16

Left: 0.002+/-0.000 χ^2/NDF: 5477304.9/34

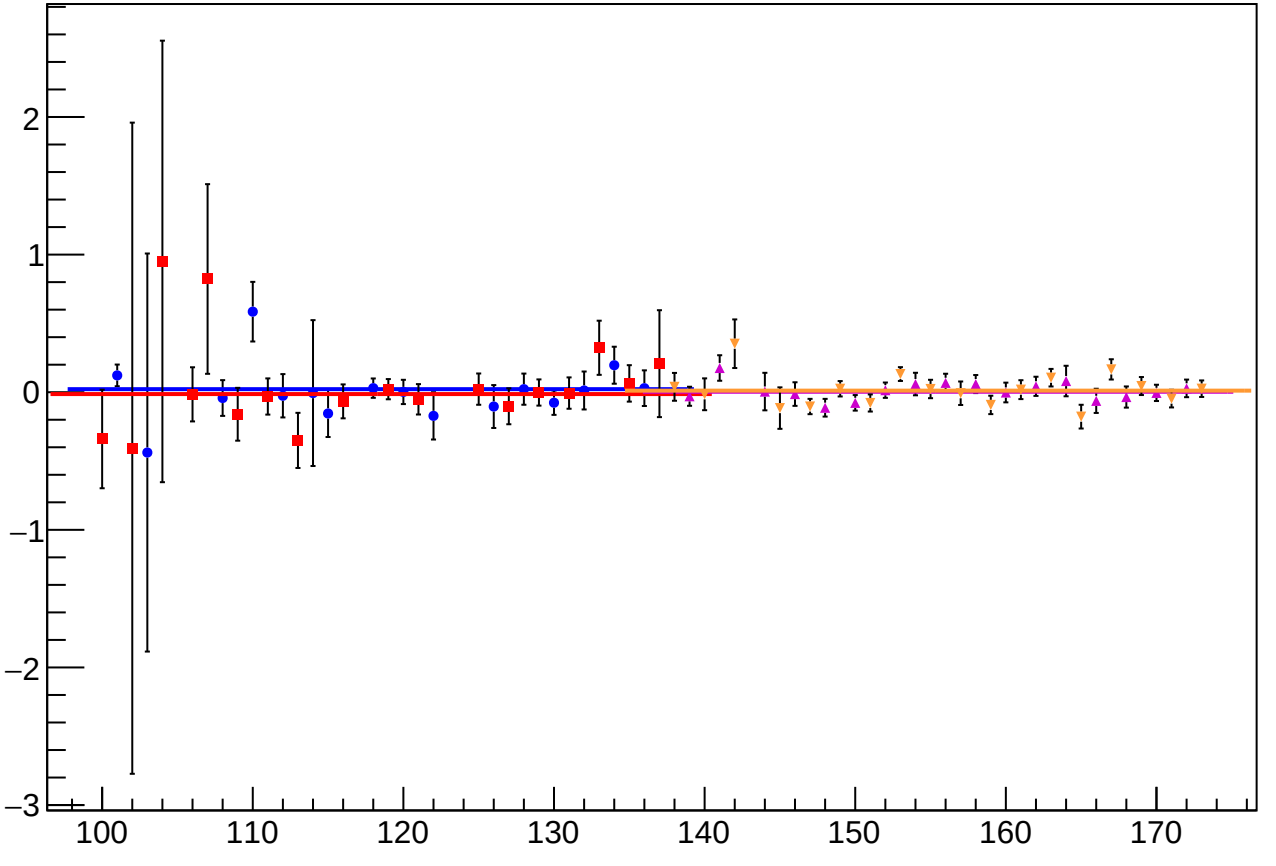
Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:6488711.9/32

Out: 0.002+/-0.000 χ^2/NDF:8194279.7/35

All: 0.002+/-0.000 χ^2/NDF: 14722457.9/68

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.017 χ^2/NDF:31.8/17

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.003+/-0.017 χ^2/NDF:13.0/16

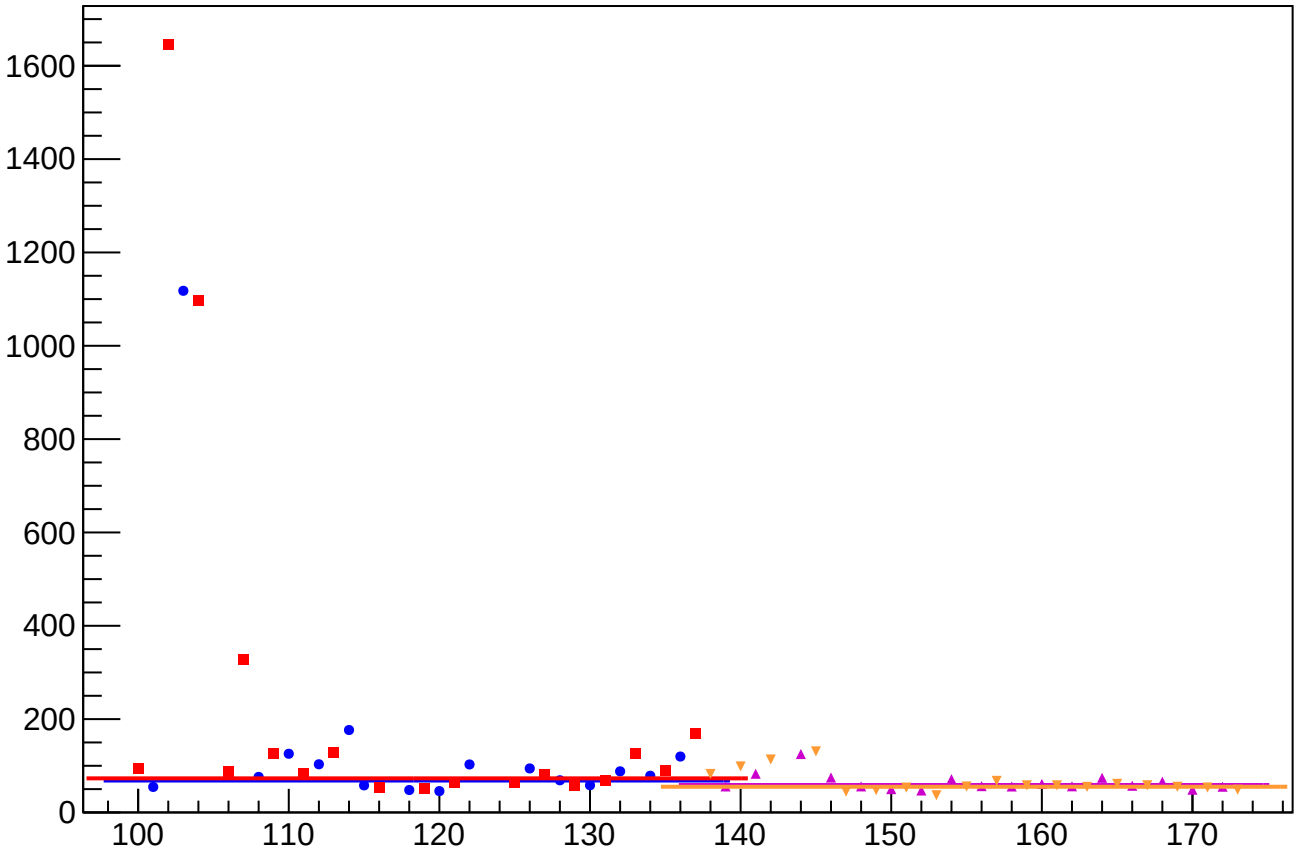
Left: 0.008+/-0.012 χ^2/NDF: 44.9/34

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.008+/-0.015 χ^2/NDF:28.1/32

Out: 0.007+/-0.015 χ^2/NDF:43.1/35

All: 0.007+/-0.011 χ^2/NDF: 71.2/68



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.096+/-0.012 χ^2/NDF:1611827.6/17

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 58.738+/-0.012 χ^2/NDF:1006603.4/16

Left: 56.826+/-0.008 χ^2/NDF: 2664574.8/34

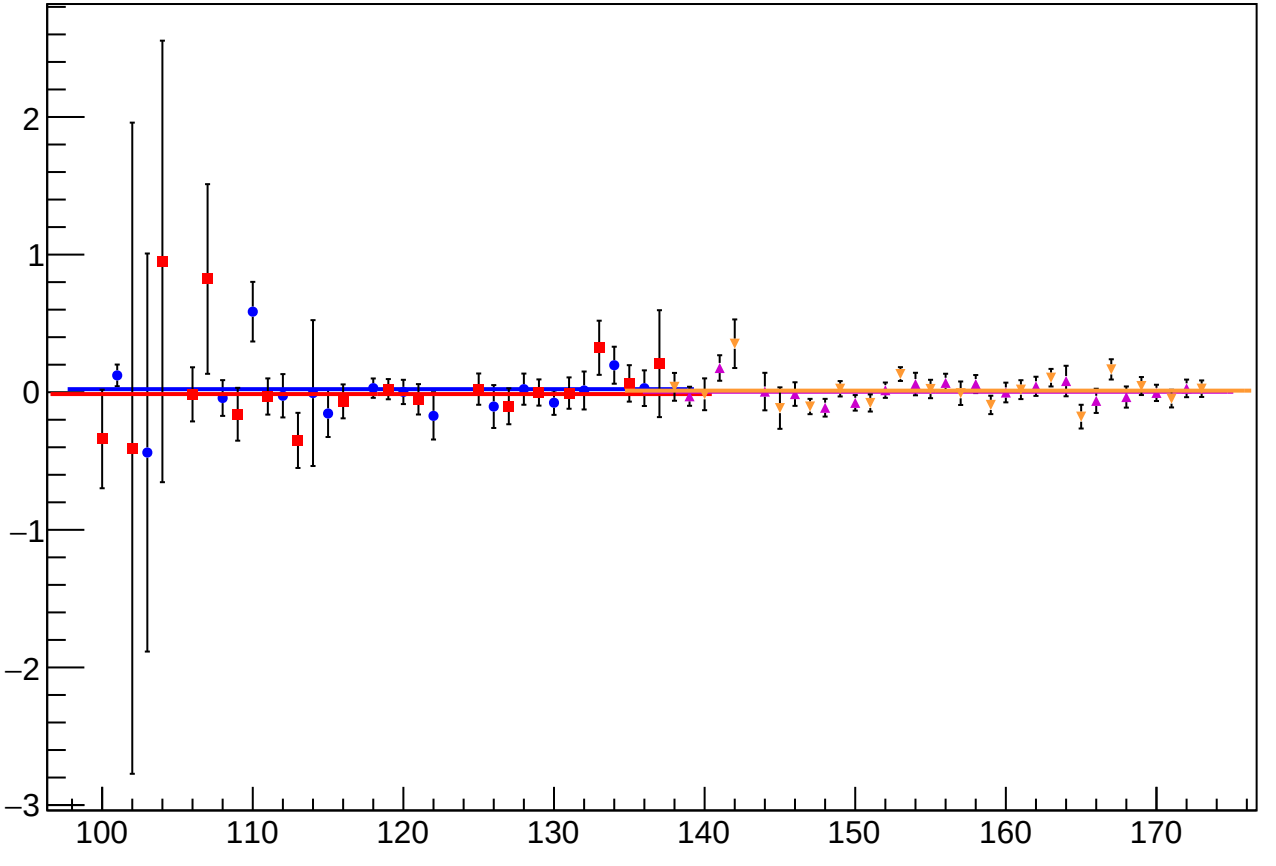
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 61.154+/-0.011 χ^2/NDF:3439871.0/32

Out: 58.617+/-0.010 χ^2/NDF:4988646.7/35

All: 59.865+/-0.007 χ^2/NDF: 8457359.0/68

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.017 χ^2/NDF:31.8/17

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.003+/-0.017 χ^2/NDF:13.0/16

Left: 0.008+/-0.012 χ^2/NDF: 44.9/34

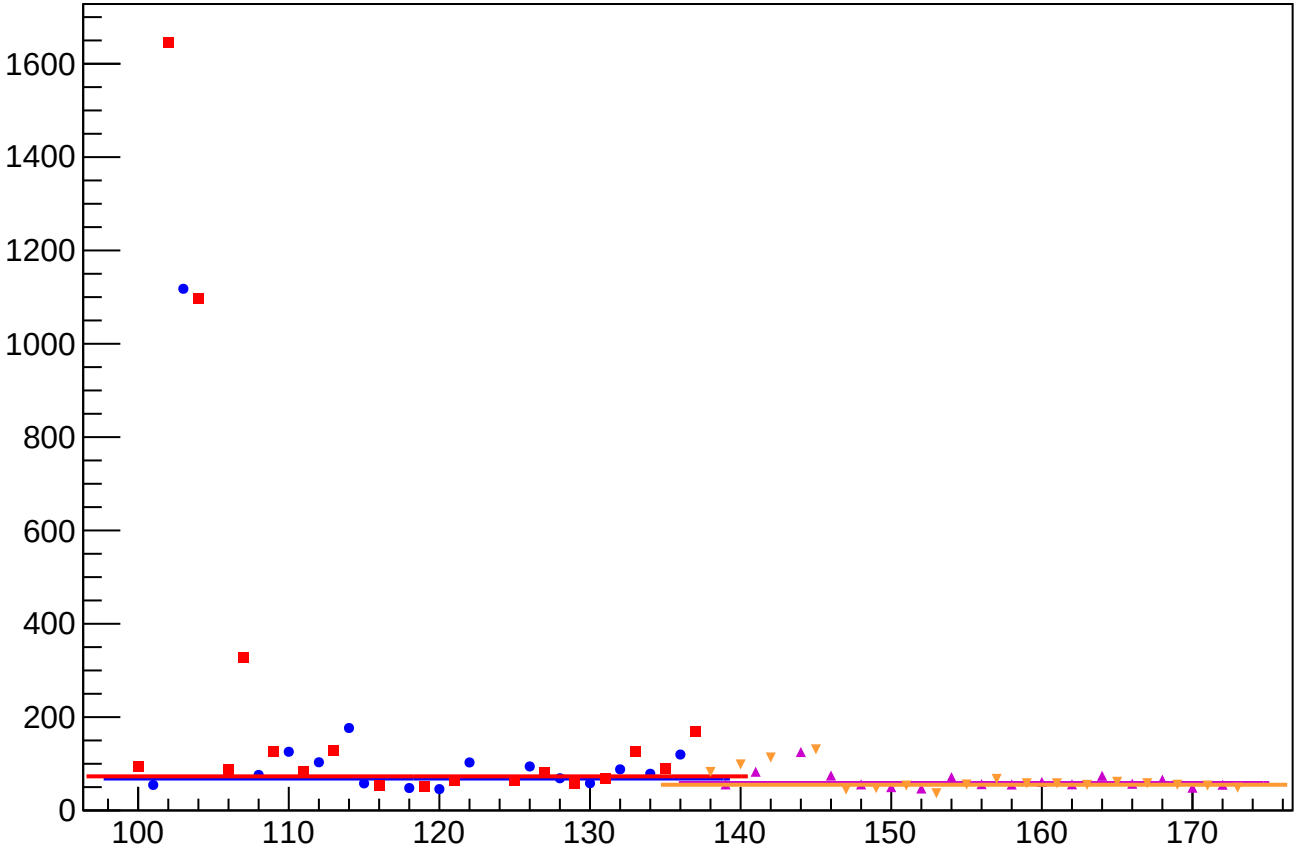
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.008+/-0.015 χ^2/NDF:28.1/32

Out: 0.007+/-0.015 χ^2/NDF:43.1/35

All: 0.007+/-0.011 χ^2/NDF: 71.2/68

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: 55.096+/-0.012 χ^2/NDF:1611827.6/17

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 58.738+/-0.012 χ^2/NDF:1006603.4/16

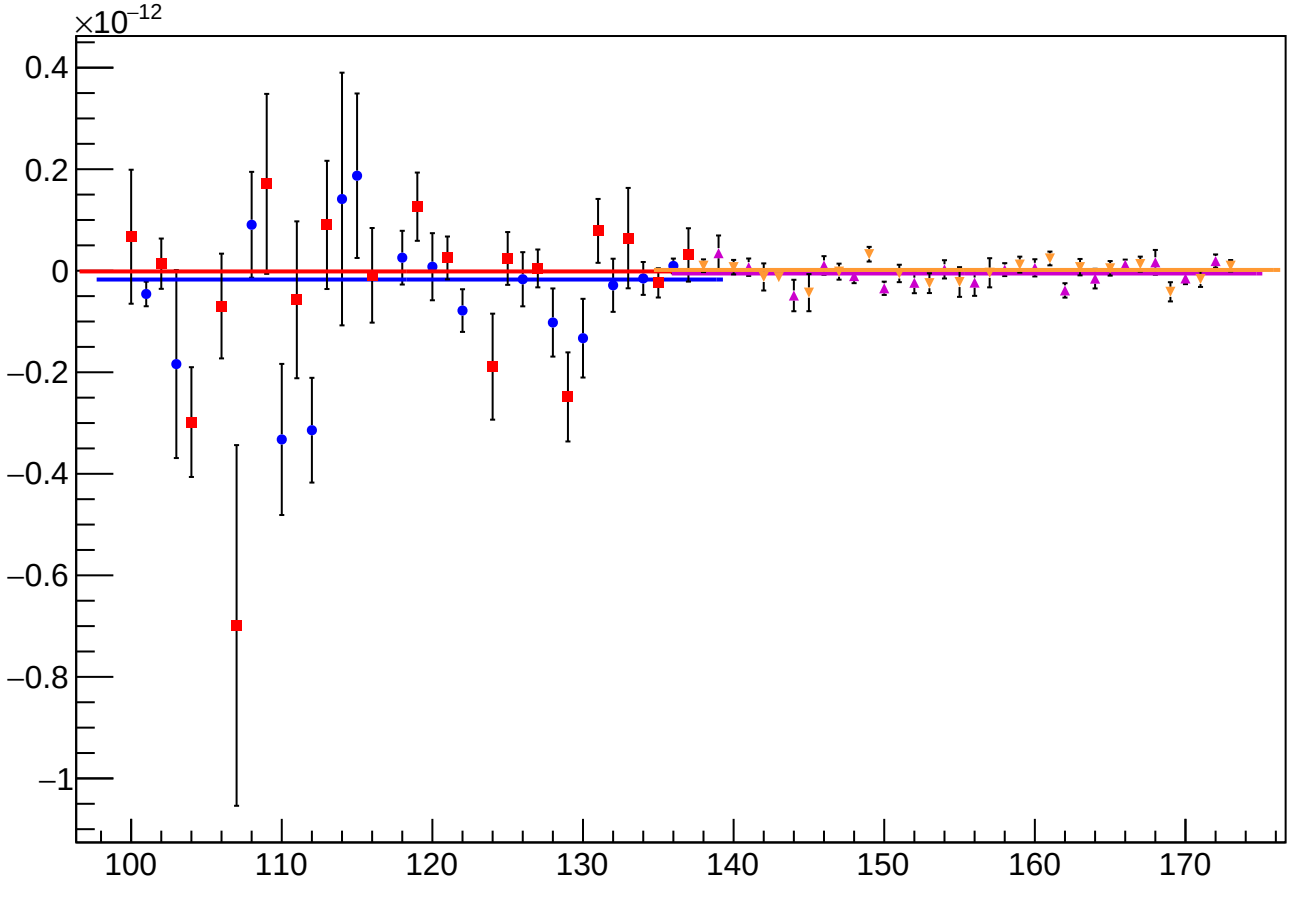
Left: 56.826+/-0.008 χ^2/NDF: 2664574.8/34

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 61.154+/-0.011 χ^2/NDF:3439871.0/32

Out: 58.617+/-0.010 χ^2/NDF:4988646.7/35

All: 59.865+/-0.007 χ^2/NDF: 8457359.0/68



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/18

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:25.6/16

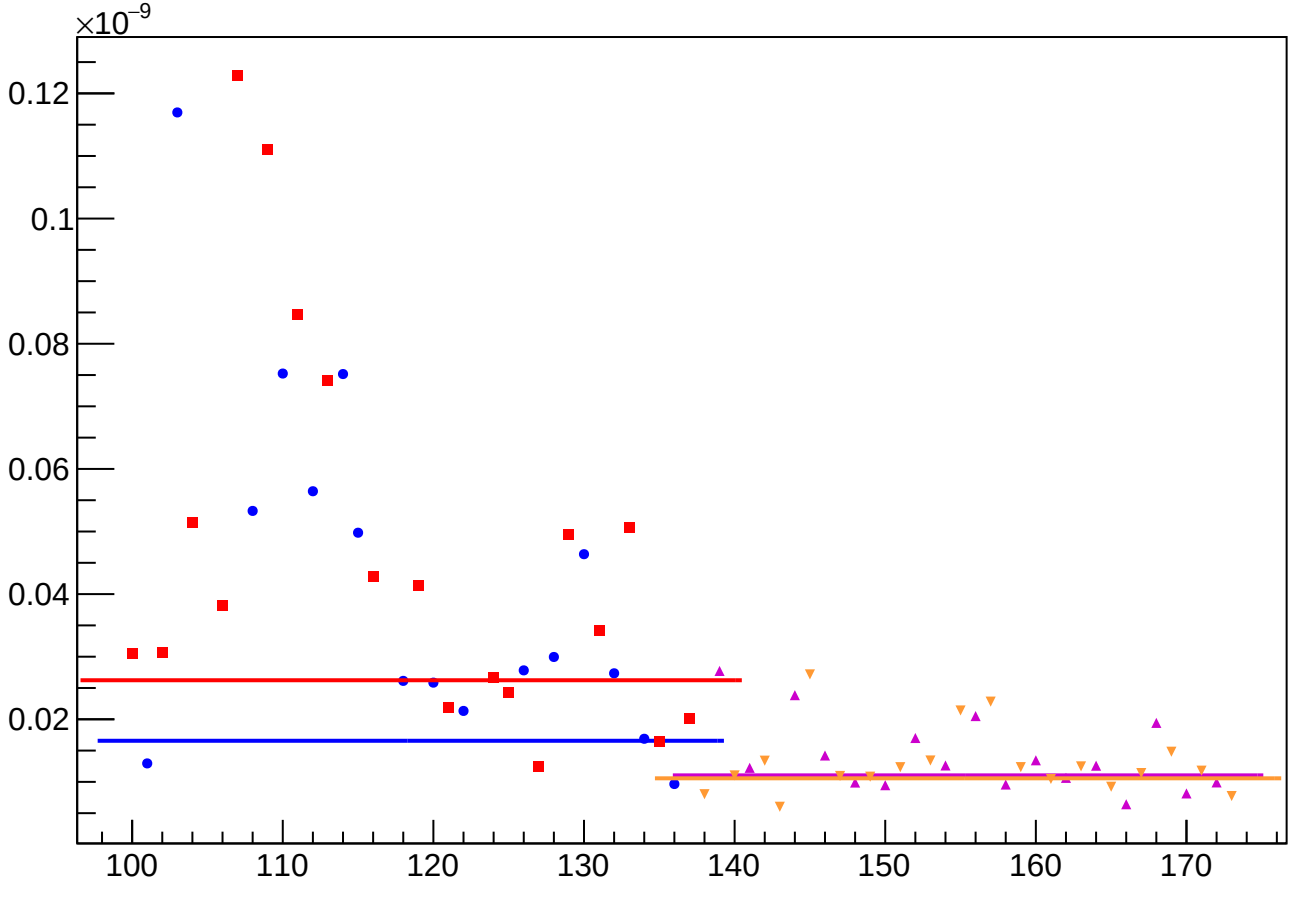
Left: -0.000+/-0.000 χ^2/NDF: 50.4/35

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:55.1/32

Out: 0.000+/-0.000 χ^2/NDF:55.3/37

All: -0.000+/-0.000 χ^2/NDF: 113.3/70



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2014589.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2232355.5/16

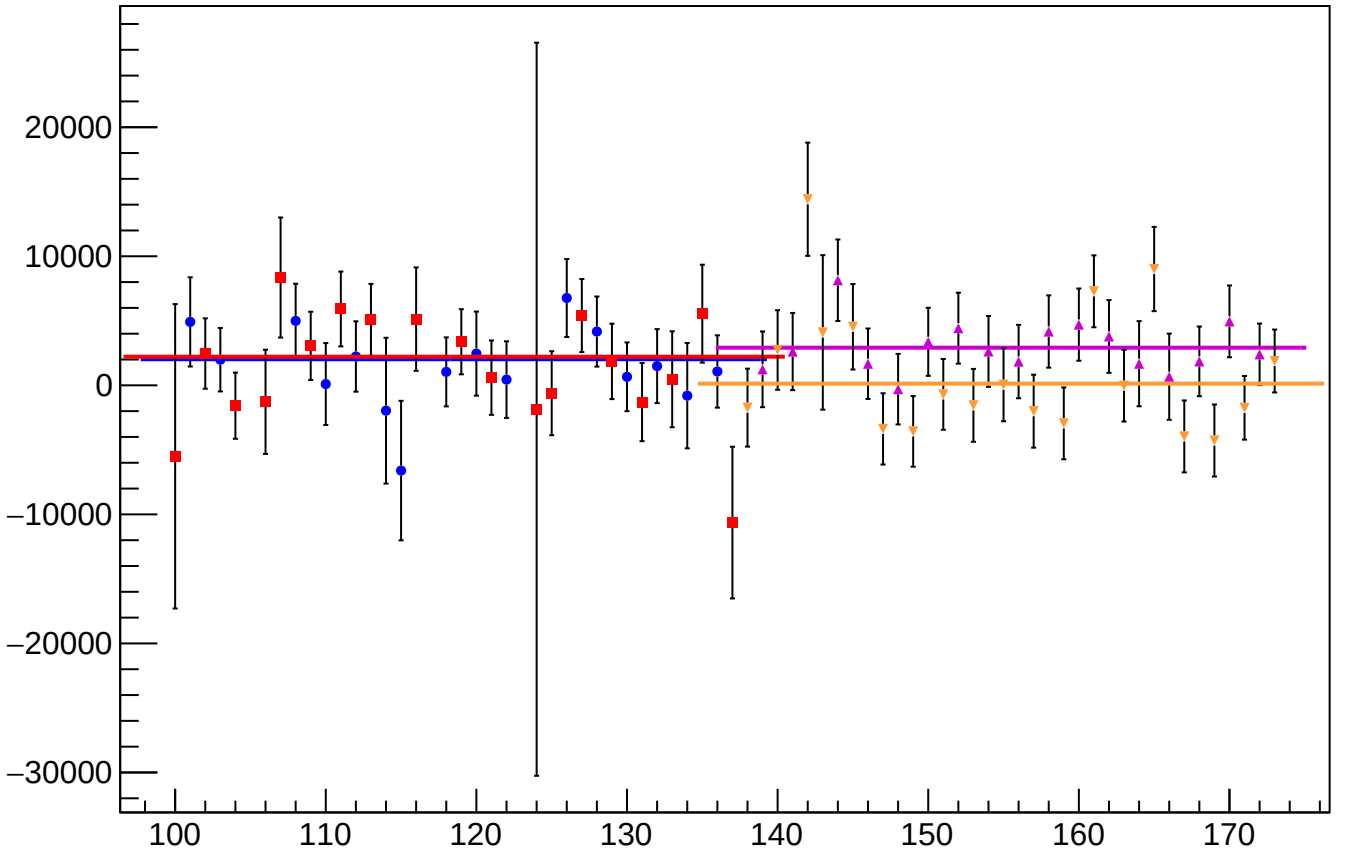
Left: 0.000+/-0.000 χ^2/NDF: 4263316.1/35

Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:5590127.1/32

Out: 0.000+/-0.000 χ^2/NDF:6636167.0/37

All: 0.000+/-0.000 χ^2/NDF: 12232062.2/70



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 131.970+/-669.583 χ^2/NDF:39.3/18

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 2917.292+/-684.581 χ^2/NDF:7.2/16

Left: 1493.786+/-478.681 χ^2/NDF: 55.0/35

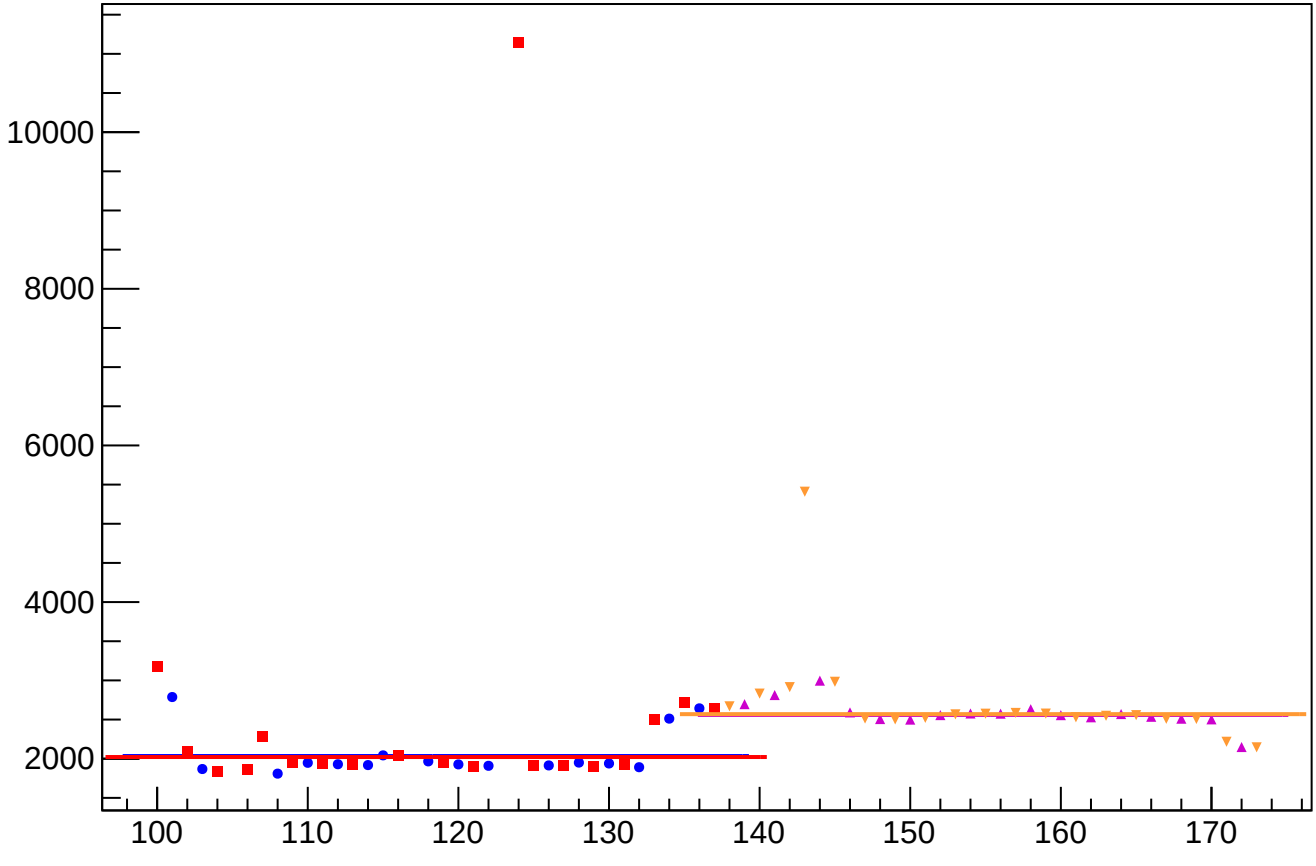
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2519.097+/-509.952 χ^2/NDF:17.6/32

Out: 1048.481+/-501.288 χ^2/NDF:61.7/37

All: 1771.191+/-357.488 χ^2/NDF: 83.5/70

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2568.962+/-0.473 χ^2/NDF:616778.4/18

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2558.794+/-0.484 χ^2/NDF:121714.0/16

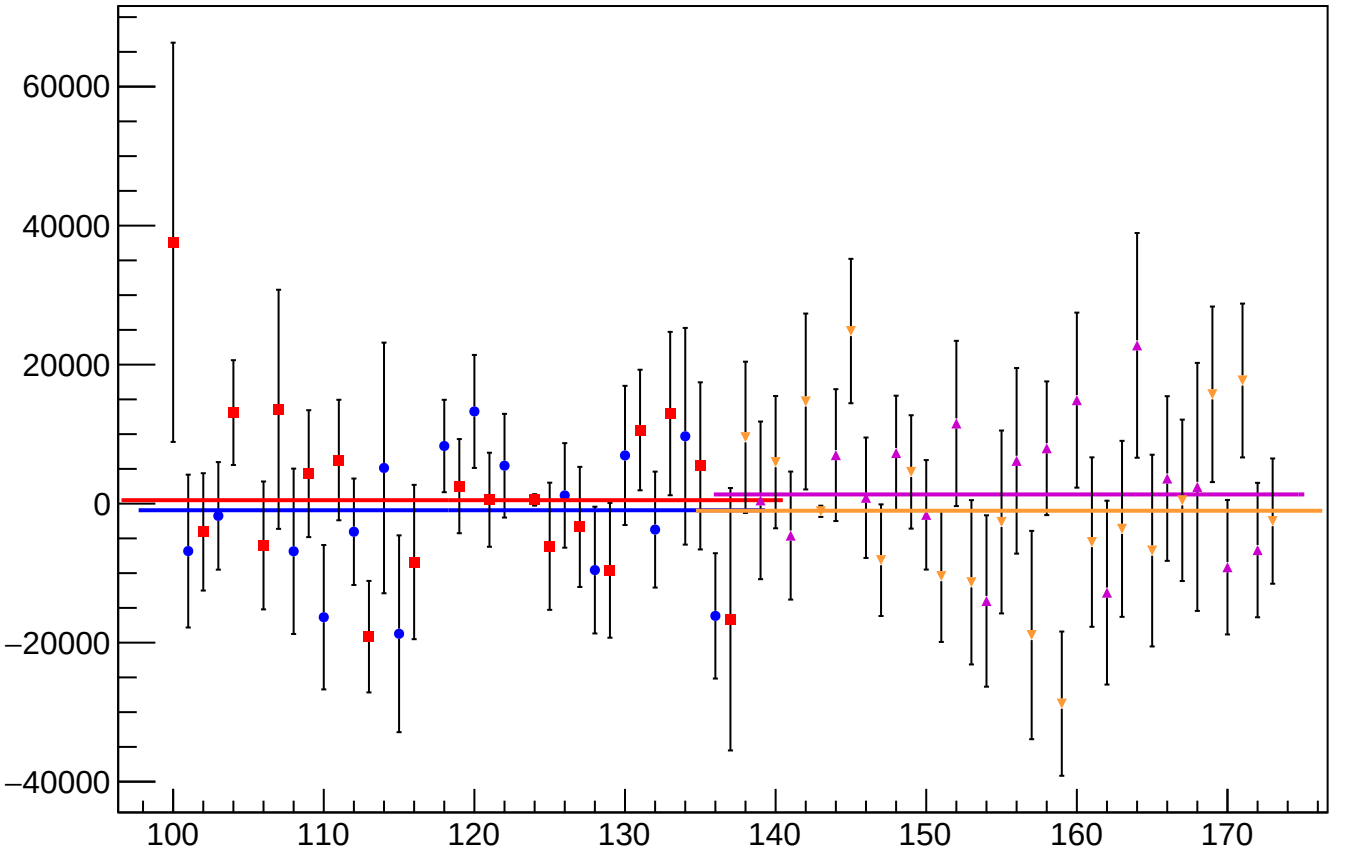
Left: 2563.991+/-0.338 χ^2/NDF: 738717.9/35

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2325.275+/-0.361 χ^2/NDF:907504.9/32

Out: 2328.366+/-0.354 χ^2/NDF:1594629.6/37

All: 2326.847+/-0.253 χ^2/NDF: 2502171.9/70



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -1020.917+/-769.075 χ^2/NDF:25.8/18

Right Out: 497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: 1325.219+/-2561.710 χ^2/NDF:10.3/16

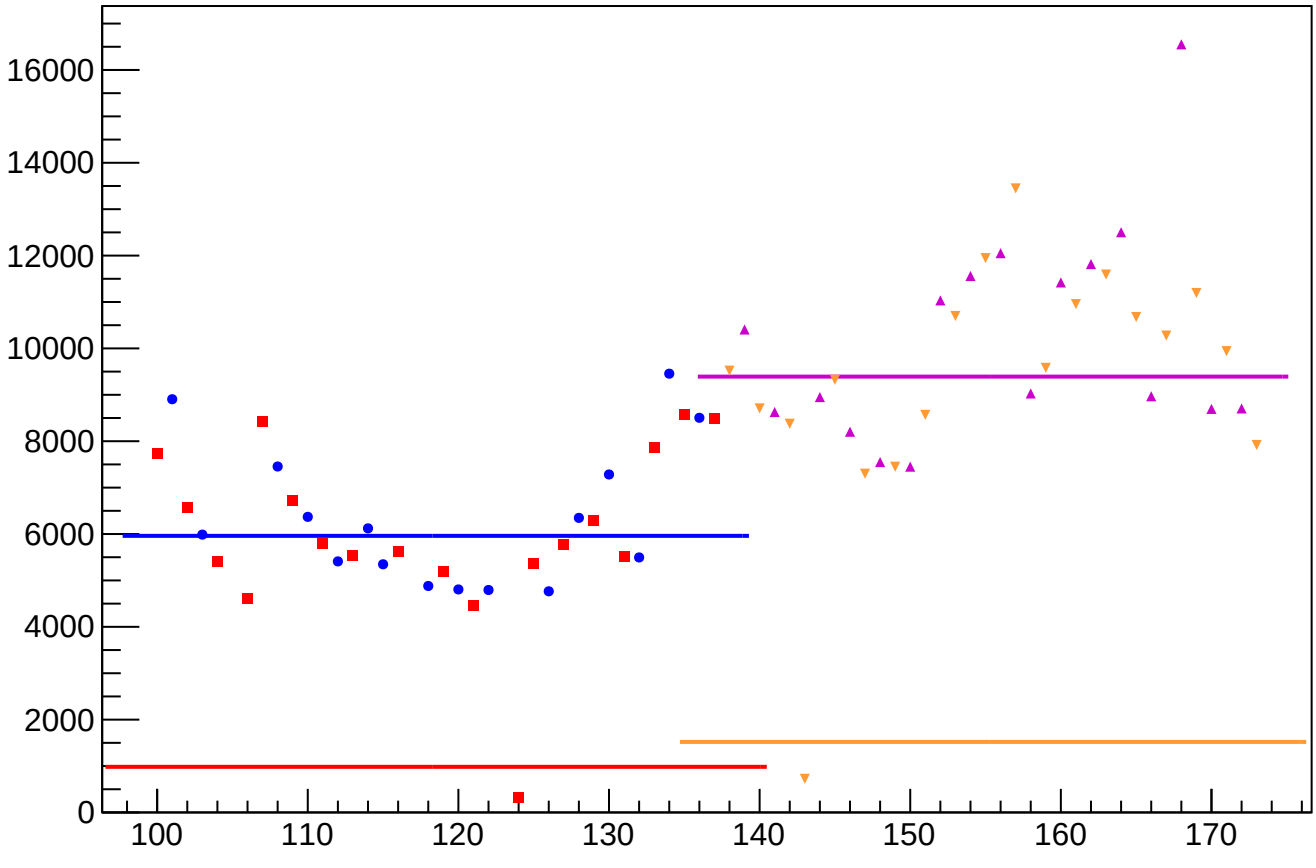
Left: -826.940+/-736.596 χ^2/NDF: 36.9/35

Right: 349.538+/-728.015 χ^2/NDF: 34.2/34

In: 54.662+/-1702.515 χ^2/NDF:26.1/32

Out: -261.007+/-543.539 χ^2/NDF:46.3/37

All: -231.808+/-517.791 χ^2/NDF: 72.3/70



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1520.335+/-0.544 χ^2/NDF:21836810.6/18

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9392.144+/-1.811 χ^2/NDF:1013346.5/16

Left: 2171.173+/-0.521 χ^2/NDF: 40173844.8/35

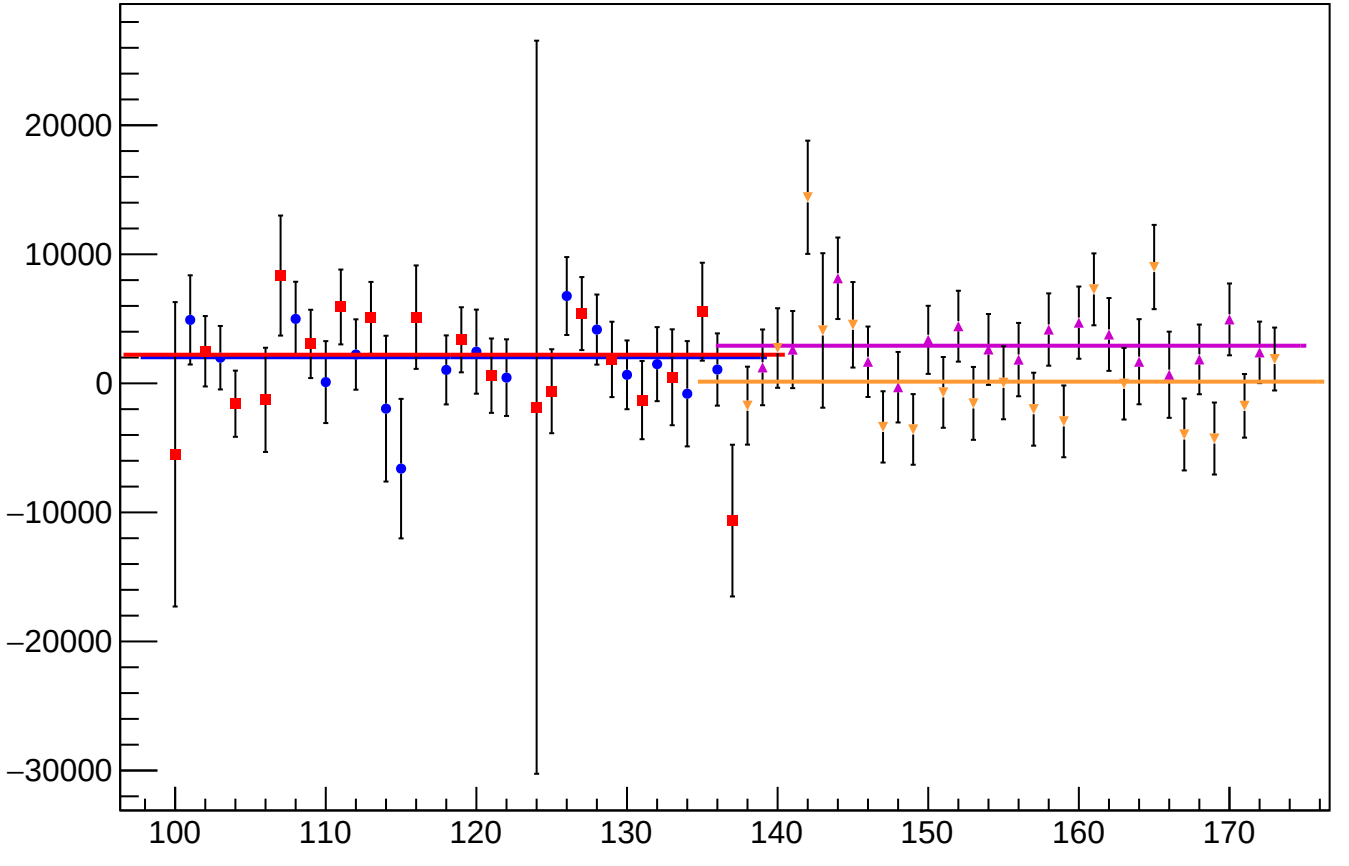
Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 7476.407+/-1.204 χ^2/NDF:3706024.9/32

Out: 1251.550+/-0.384 χ^2/NDF:33741574.9/37

All: 1827.331+/-0.366 χ^2/NDF: 61711180.7/7

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 131.997+/-669.583 χ^2/NDF:39.3/18

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2917.355+/-684.581 χ^2/NDF:7.2/16

Left: 1493.830+/-478.681 χ^2/NDF: 55.0/35

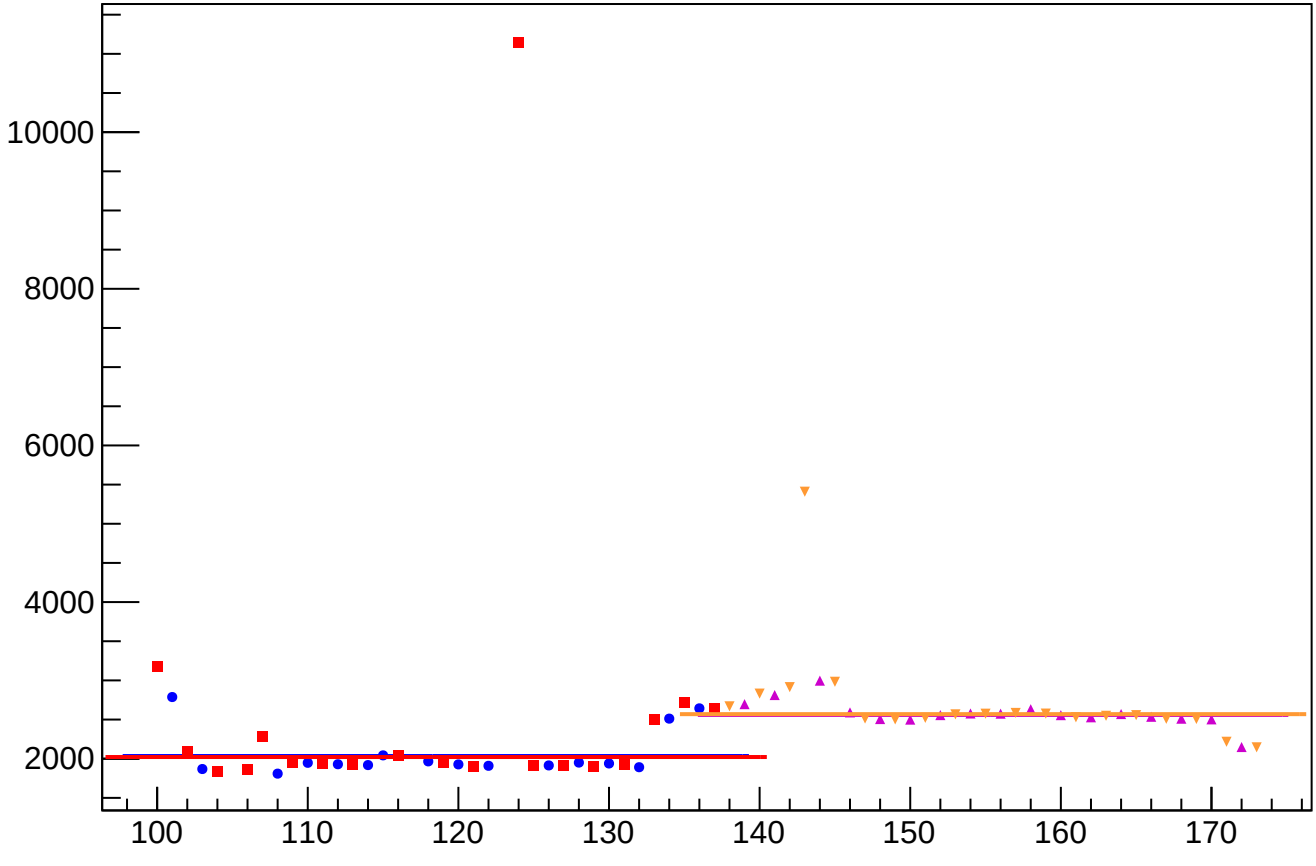
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2519.189+/-509.952 χ^2/NDF:17.6/32

Out: 1049.294+/-501.290 χ^2/NDF:61.7/37

All: 1771.652+/-357.489 χ^2/NDF: 83.5/70

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2568.962+/-0.473 χ^2/NDF:616778.4/18

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2558.794+/-0.484 χ^2/NDF:121714.0/16

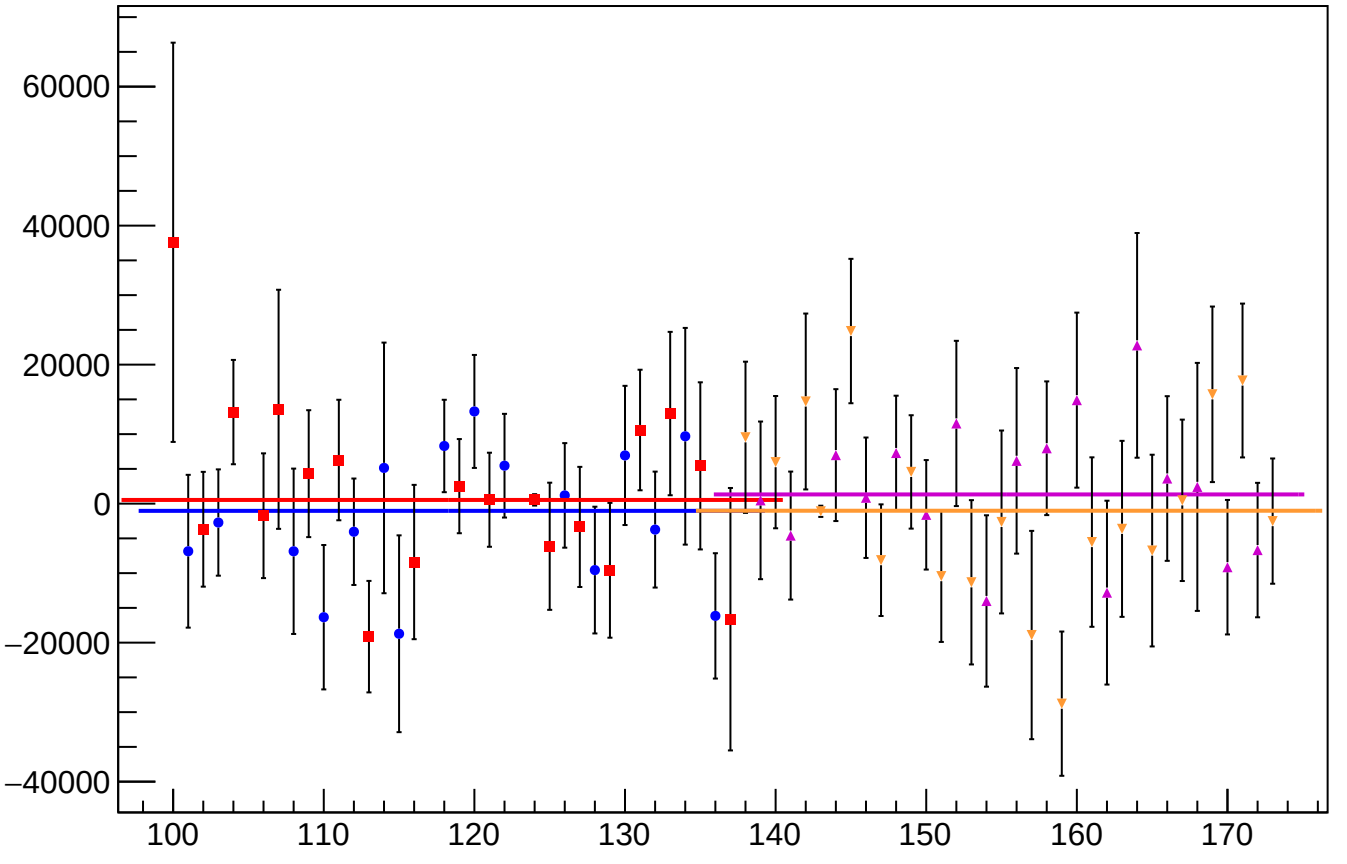
Left: 2563.991+/-0.338 χ^2/NDF: 738717.9/35

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2325.274+/-0.361 χ^2/NDF:907505.1/32

Out: 2328.378+/-0.354 χ^2/NDF:1594588.6/37

All: 2326.853+/-0.253 χ^2/NDF: 2502131.3/70



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1020.698+/-769.007 χ^2/NDF:25.8/18

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 1325.305+/-2561.707 χ^2/NDF:10.3/16

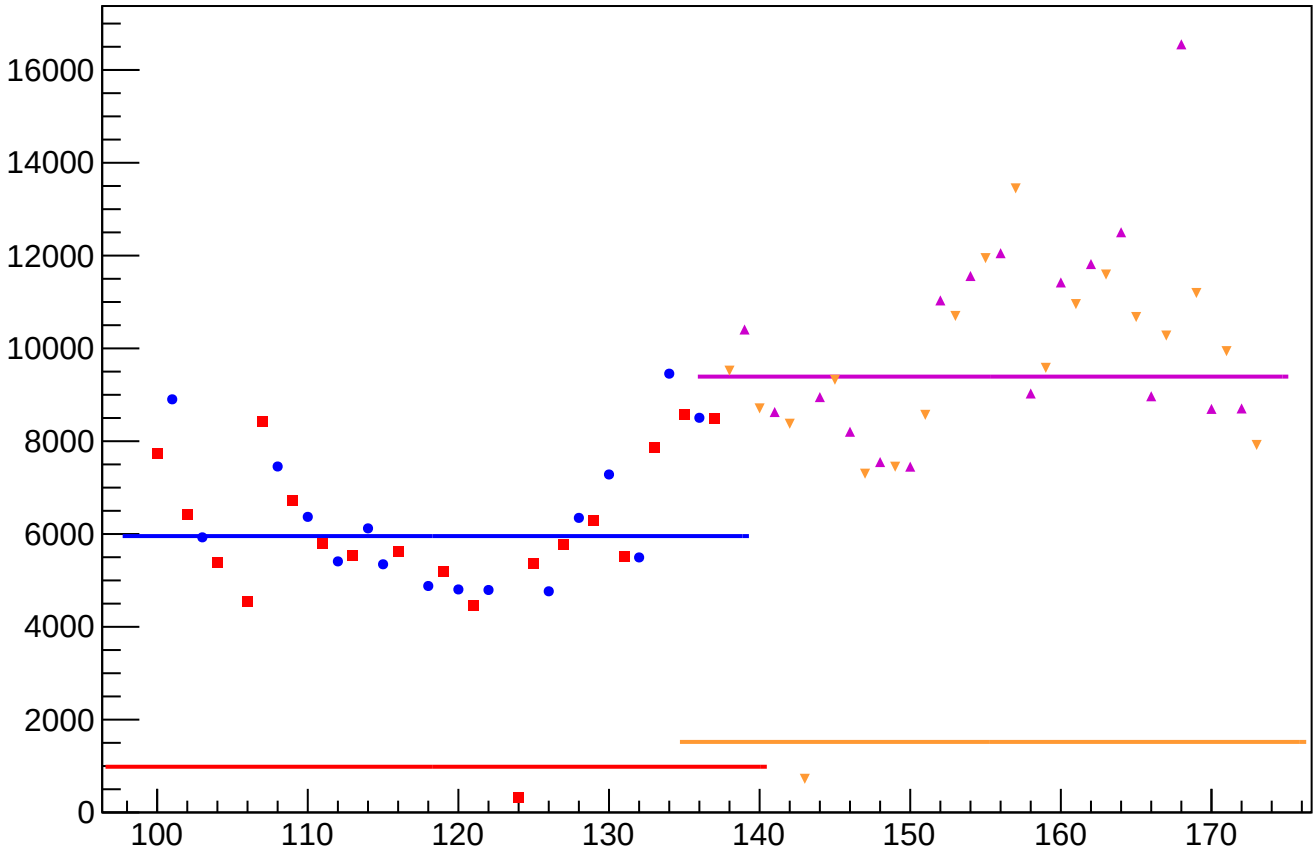
Left: -826.762+/-736.536 χ^2/NDF: 36.9/35

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: 4.689+/-1701.533 χ^2/NDF:26.1/32

Out: -243.948+/-543.395 χ^2/NDF:45.9/37

All: -220.936+/-517.639 χ^2/NDF: 72.1/70



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1520.132+/-0.544 χ^2/NDF:21837523.1/18

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9392.134+/-1.811 χ^2/NDF:1013353.7/16

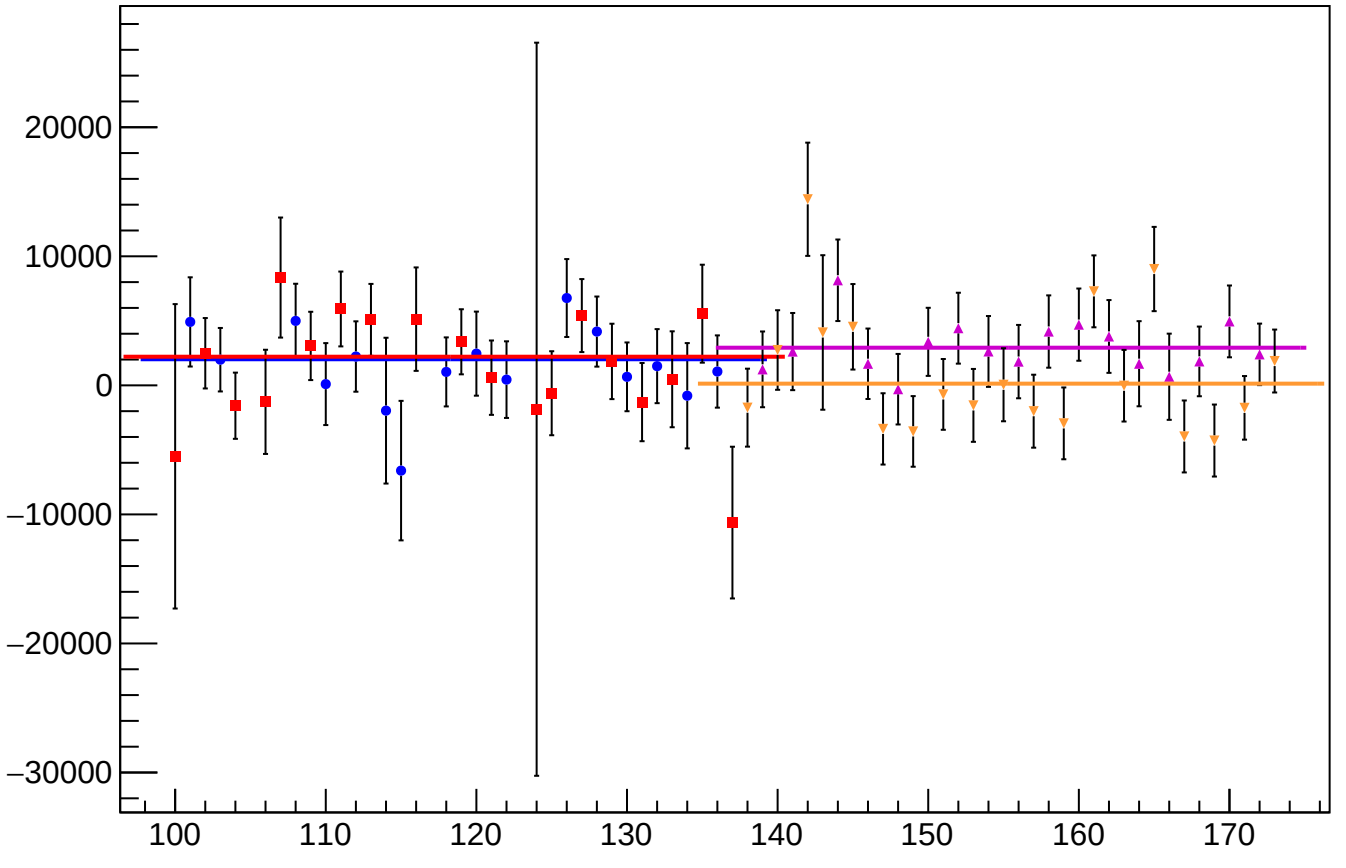
Left: 2170.883+/-0.521 χ^2/NDF: 40175694.6/35

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7471.772+/-1.203 χ^2/NDF:3713763.1/32

Out: 1252.219+/-0.384 χ^2/NDF:33735194.3/37

All: 1827.835+/-0.366 χ^2/NDF: 61697778.7/7



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 131.997+/-669.583 χ^2/NDF:39.3/18

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2917.355+/-684.581 χ^2/NDF:7.2/16

Left: 1493.830+/-478.681 χ^2/NDF: 55.0/35

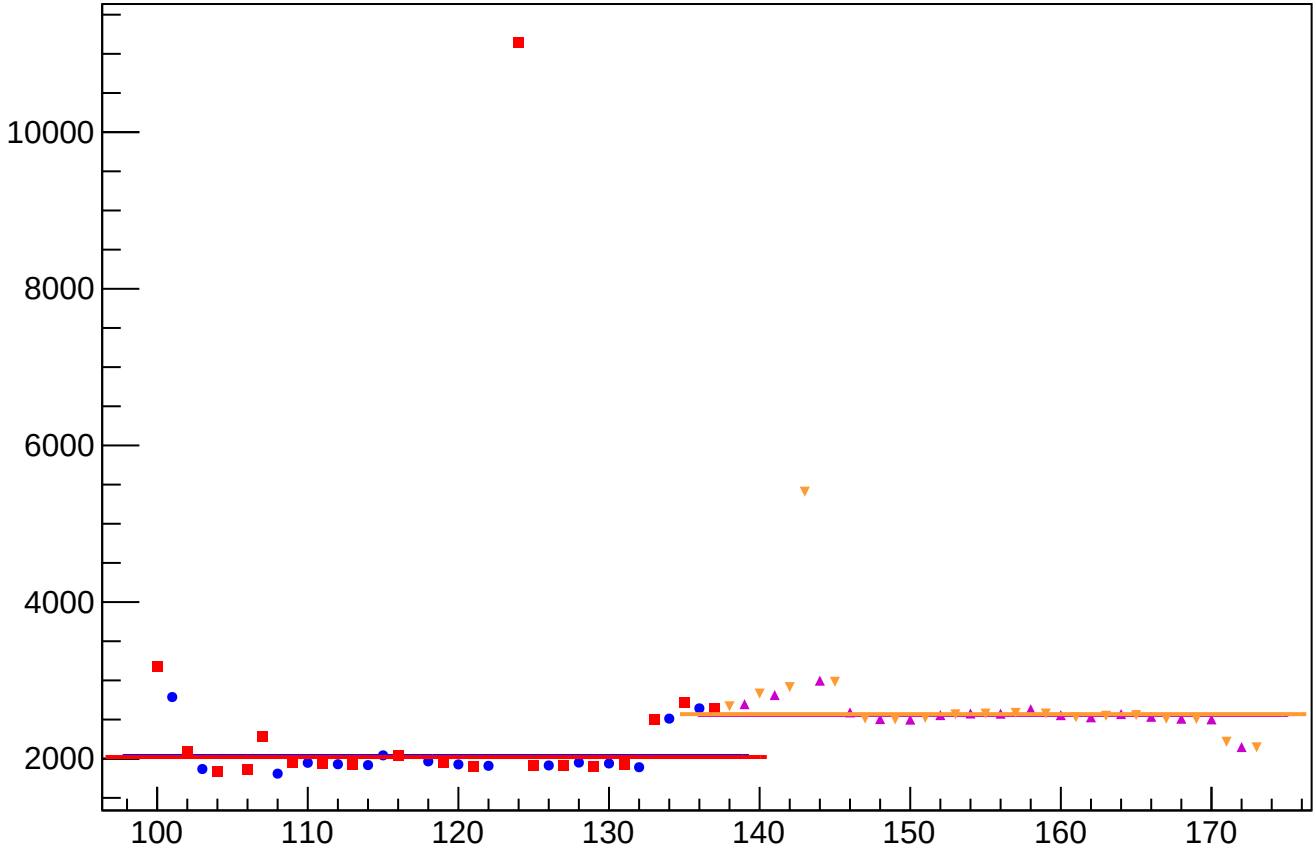
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2519.189+/-509.952 χ^2/NDF:17.6/32

Out: 1049.294+/-501.290 χ^2/NDF:61.7/37

All: 1771.652+/-357.489 χ^2/NDF: 83.5/70

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2568.962+/-0.473 χ^2/NDF:616778.4/18

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2558.794+/-0.484 χ^2/NDF:121714.0/16

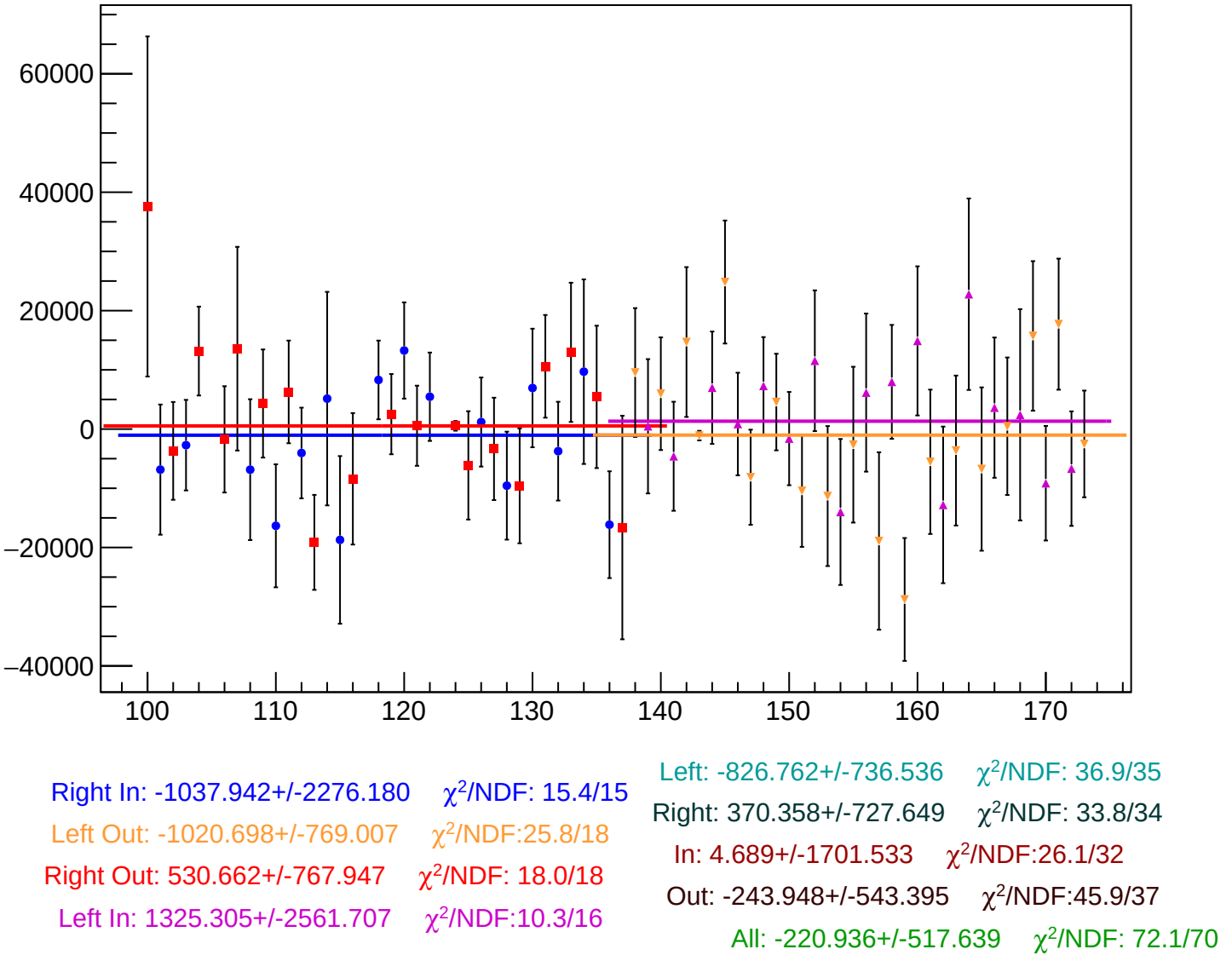
Left: 2563.991+/-0.338 χ^2/NDF: 738717.9/35

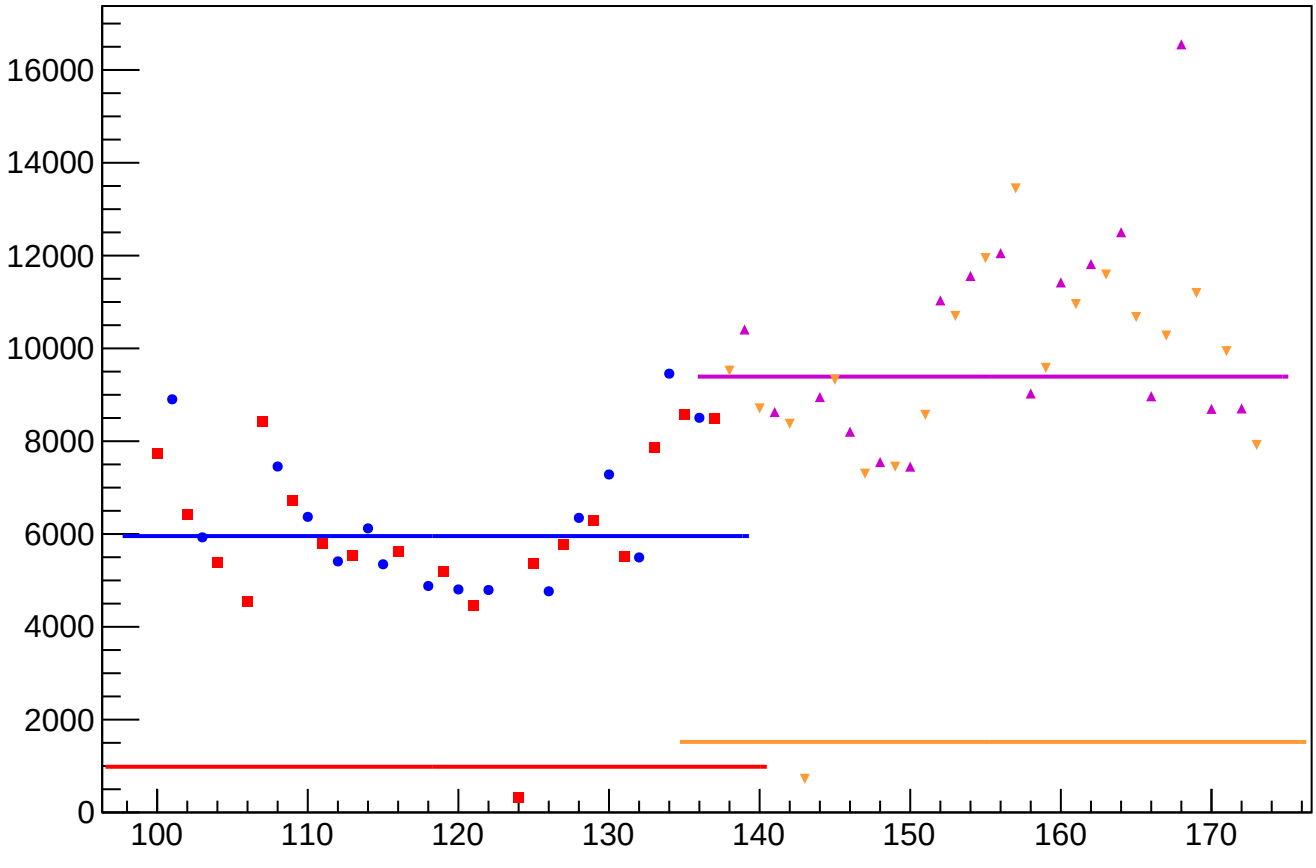
Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2325.274+/-0.361 χ^2/NDF:907505.1/32

Out: 2328.378+/-0.354 χ^2/NDF:1594588.6/37

All: 2326.853+/-0.253 χ^2/NDF: 2502131.3/70


asym_atl2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1020.698+/-769.007 χ²/NDF:25.8/18
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 1325.305+/-2561.707 χ²/NDF:10.3/16
Left: -826.762+/-736.536 χ²/NDF: 36.9/35
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: 4.689+/-1701.533 χ²/NDF:26.1/32
Out: -243.948+/-543.395 χ²/NDF:45.9/37
All: -220.936+/-517.639 χ²/NDF: 72.1/70



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1520.132+/-0.544 χ^2/NDF:21837523.1/18

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9392.134+/-1.811 χ^2/NDF:1013353.7/16

Left: 2170.883+/-0.521 χ^2/NDF: 40175694.6/35

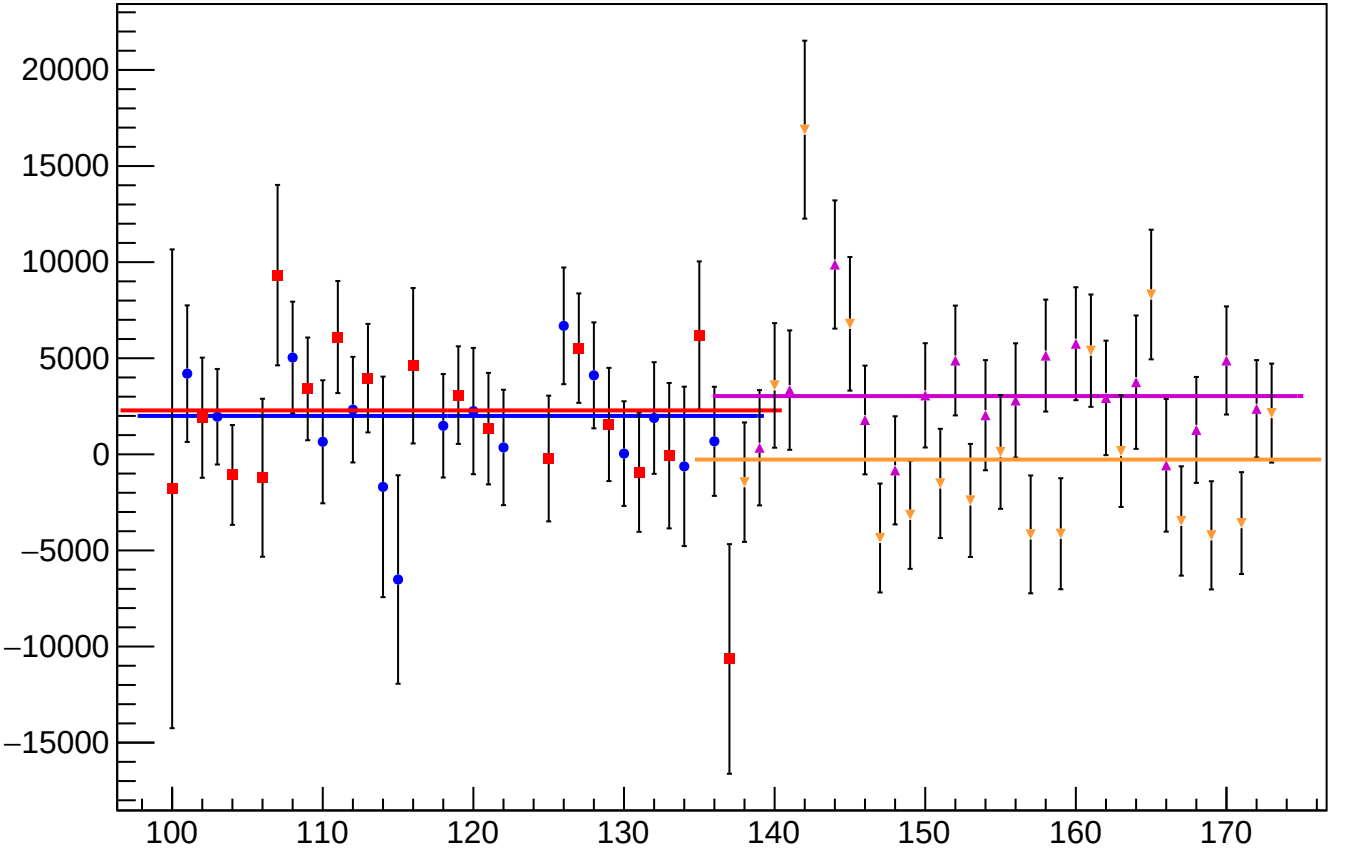
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7471.772+/-1.203 χ^2/NDF:3713763.1/32

Out: 1252.219+/-0.384 χ^2/NDF:33735194.3/37

All: 1827.835+/-0.366 χ^2/NDF: 61697778.7/7

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: -272.306+/-702.700 χ^2/NDF:42.6/17

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 3031.557+/-711.295 χ^2/NDF:11.1/16

Left: 1359.543+/-499.895 χ^2/NDF: 64.6/34

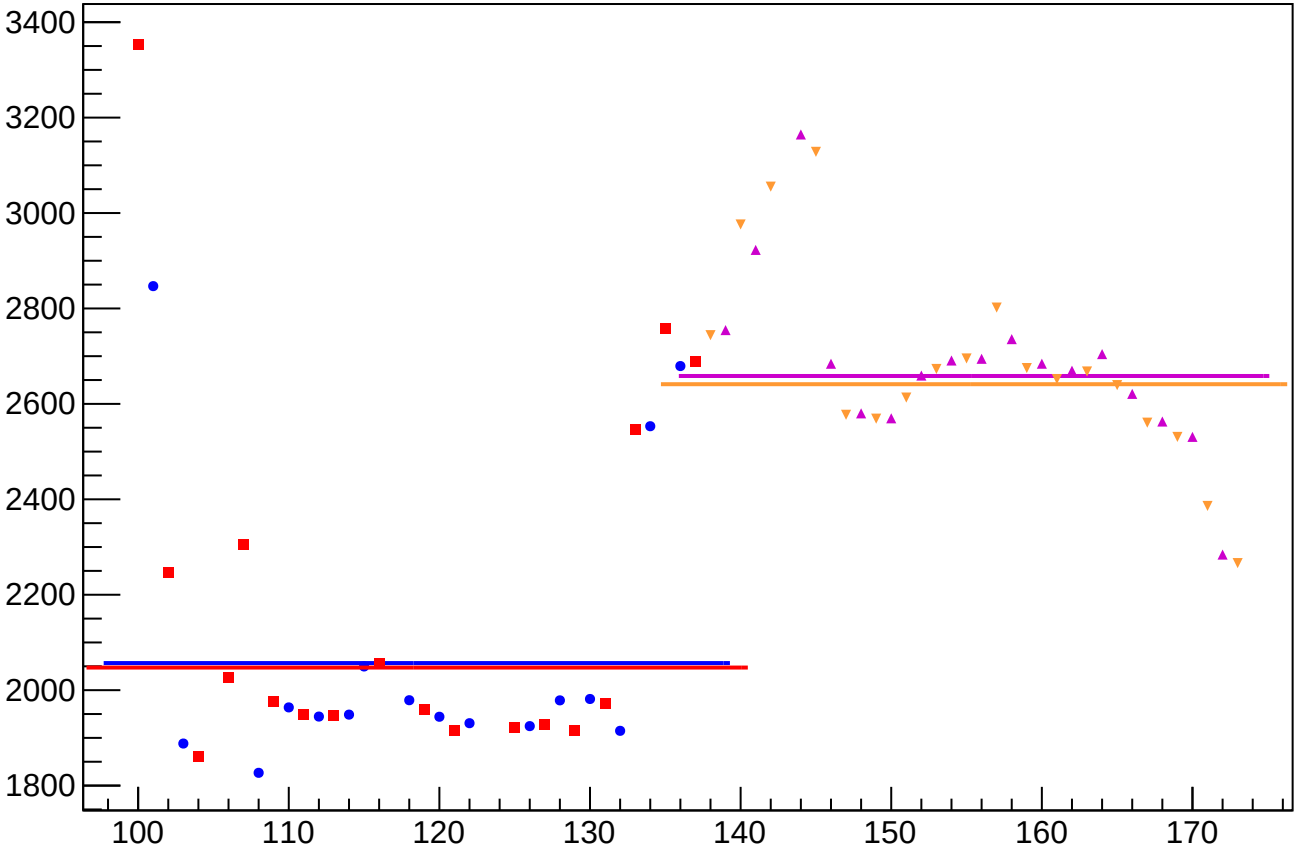
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2558.584+/-523.585 χ^2/NDF:21.0/32

Out: 887.997+/-519.446 χ^2/NDF:65.3/35

All: 1716.661+/-368.759 χ^2/NDF: 91.4/68

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2641.251+/-0.497 χ^2/NDF:153755.0/17

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2658.482+/-0.503 χ^2/NDF:119336.1/16

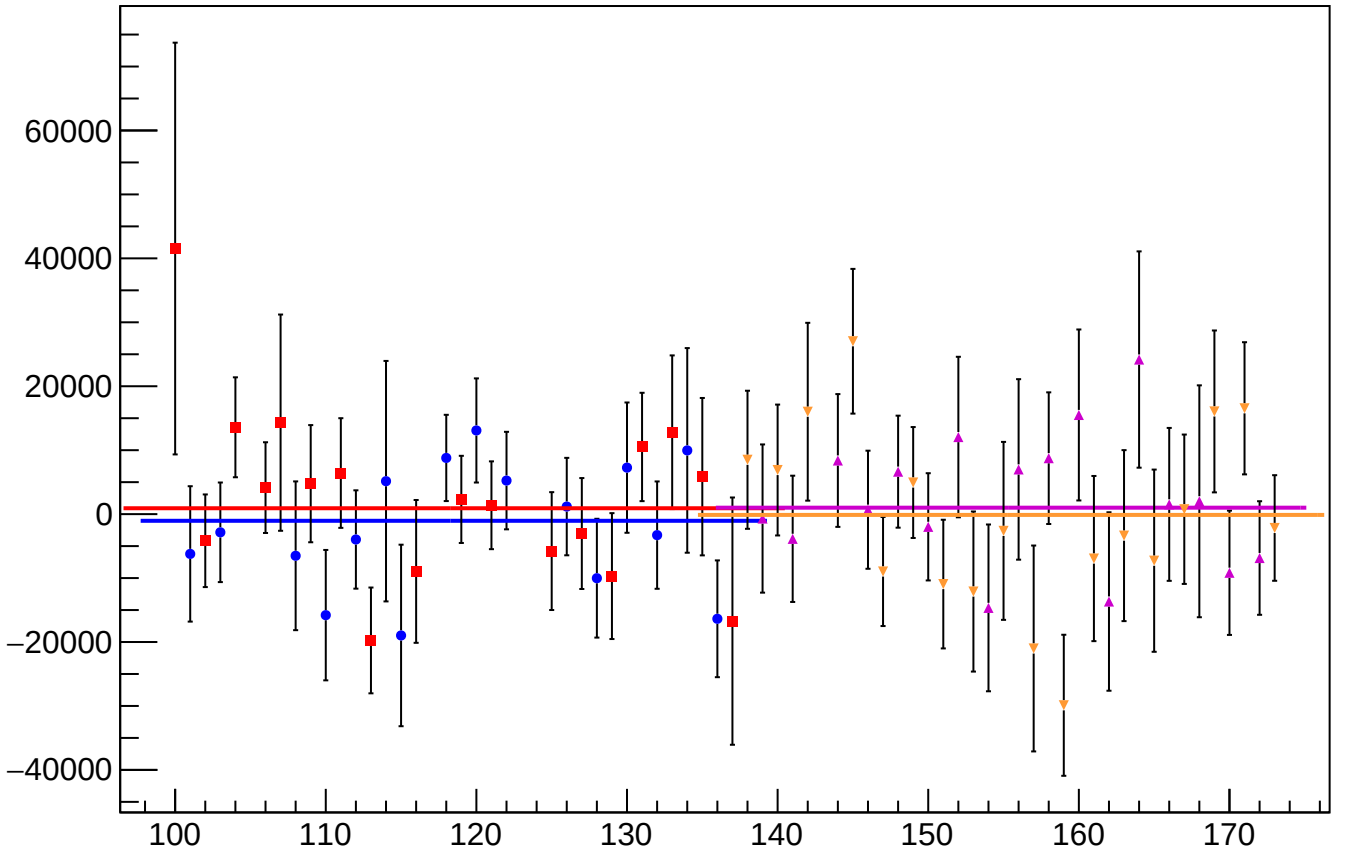
Left: 2649.762+/-0.353 χ^2/NDF: 273685.1/34

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2382.817+/-0.370 χ^2/NDF:1045457.3/32

Out: 2371.458+/-0.367 χ^2/NDF:999207.2/35

All: 2377.089+/-0.261 χ^2/NDF: 2045139.2/68



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -123.511+/-2619.277 χ^2/NDF:25.6/17

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: 1007.609+/-2671.120 χ^2/NDF:10.3/16

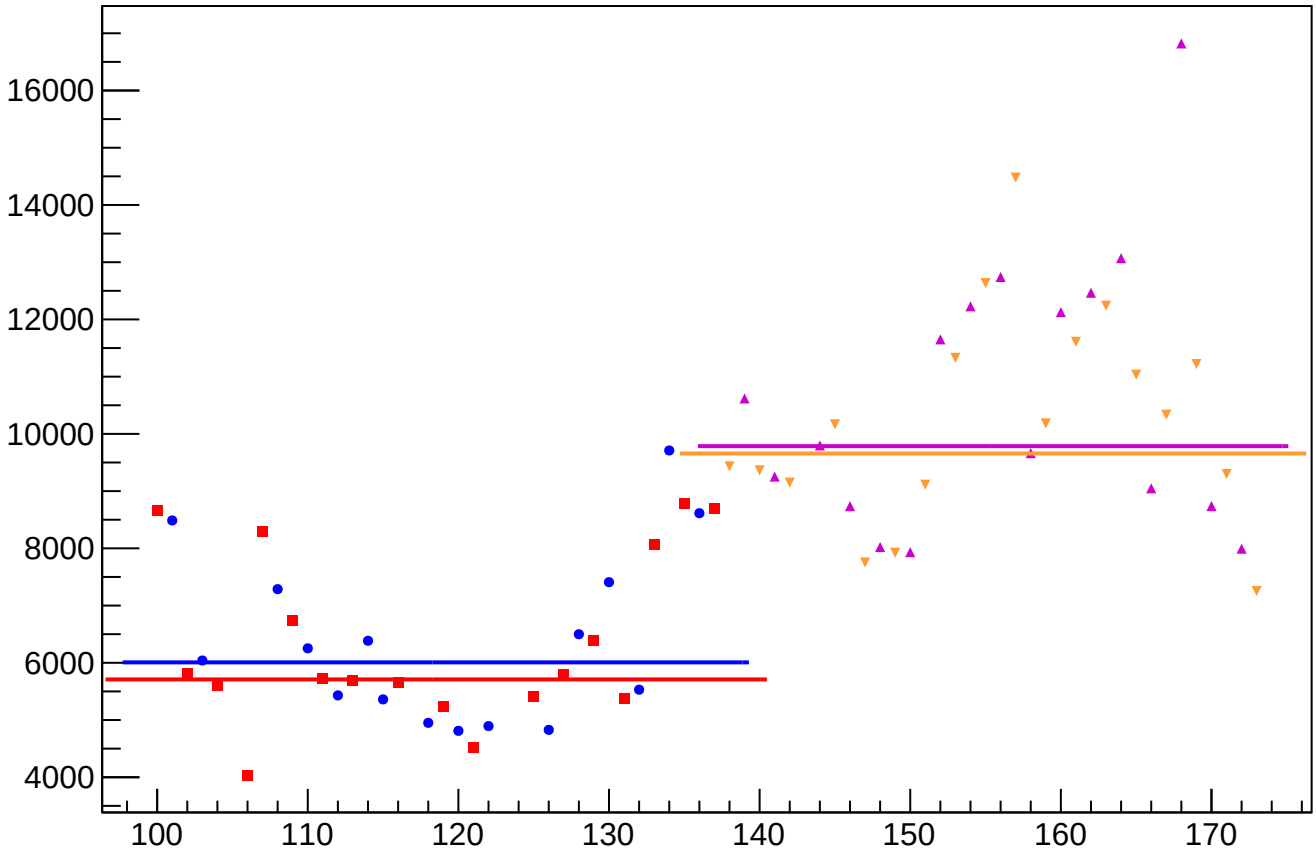
Left: 430.966+/-1870.168 χ^2/NDF: 36.0/34

Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: -172.009+/-1740.560 χ^2/NDF:26.0/32

Out: 499.527+/-1662.256 χ^2/NDF:44.0/35

All: 179.203+/-1202.122 χ^2/NDF: 70.1/68



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9657.127+/-1.852 χ^2/NDF:853732.1/17

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9785.598+/-1.889 χ^2/NDF:1046950.7/16

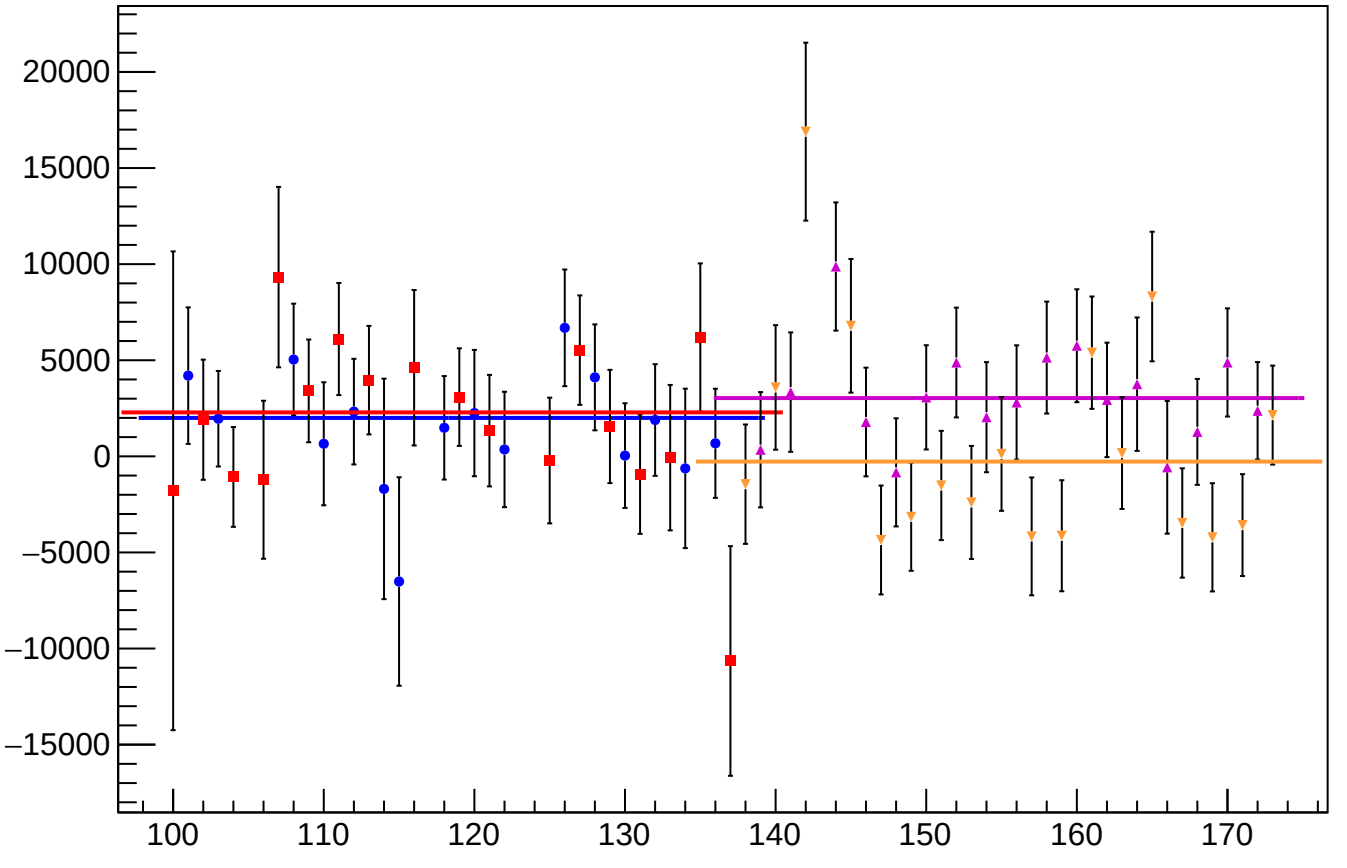
Left: 9720.104+/-1.322 χ^2/NDF: 1903041.4/34

Right: 5849.056+/-1.110 χ^2/NDF: 1207820.8/33

In: 7611.679+/-1.231 χ^2/NDF:4003282.5/32

Out: 7299.639+/-1.175 χ^2/NDF:4102401.3/35

All: 7448.482+/-0.850 χ^2/NDF: 8139302.0/68



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: -272.311+/-702.700 χ^2/NDF:42.6/17

Right Out: 2285.903+/-771.299 χ^2/NDF: 16.7/17

Left In: 3031.557+/-711.296 χ^2/NDF:11.1/16

Left: 1359.539+/-499.895 χ^2/NDF: 64.6/34

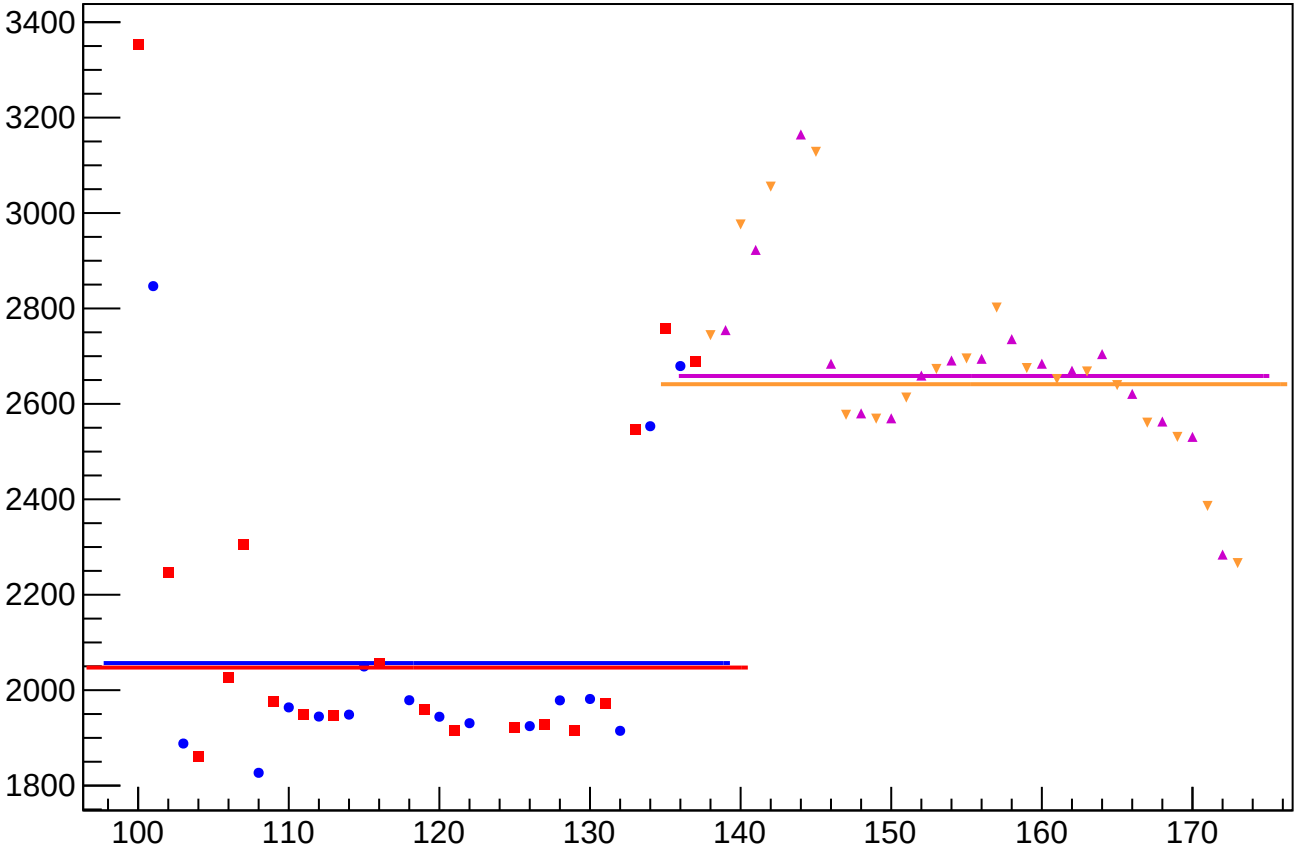
Right: 2142.976+/-546.180 χ^2/NDF: 25.7/33

In: 2558.586+/-523.586 χ^2/NDF:21.0/32

Out: 887.996+/-519.446 χ^2/NDF:65.3/35

All: 1716.661+/-368.759 χ^2/NDF: 91.4/68

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2641.251+/-0.497 χ^2/NDF:153761.9/17

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2658.483+/-0.503 χ^2/NDF:119340.5/16

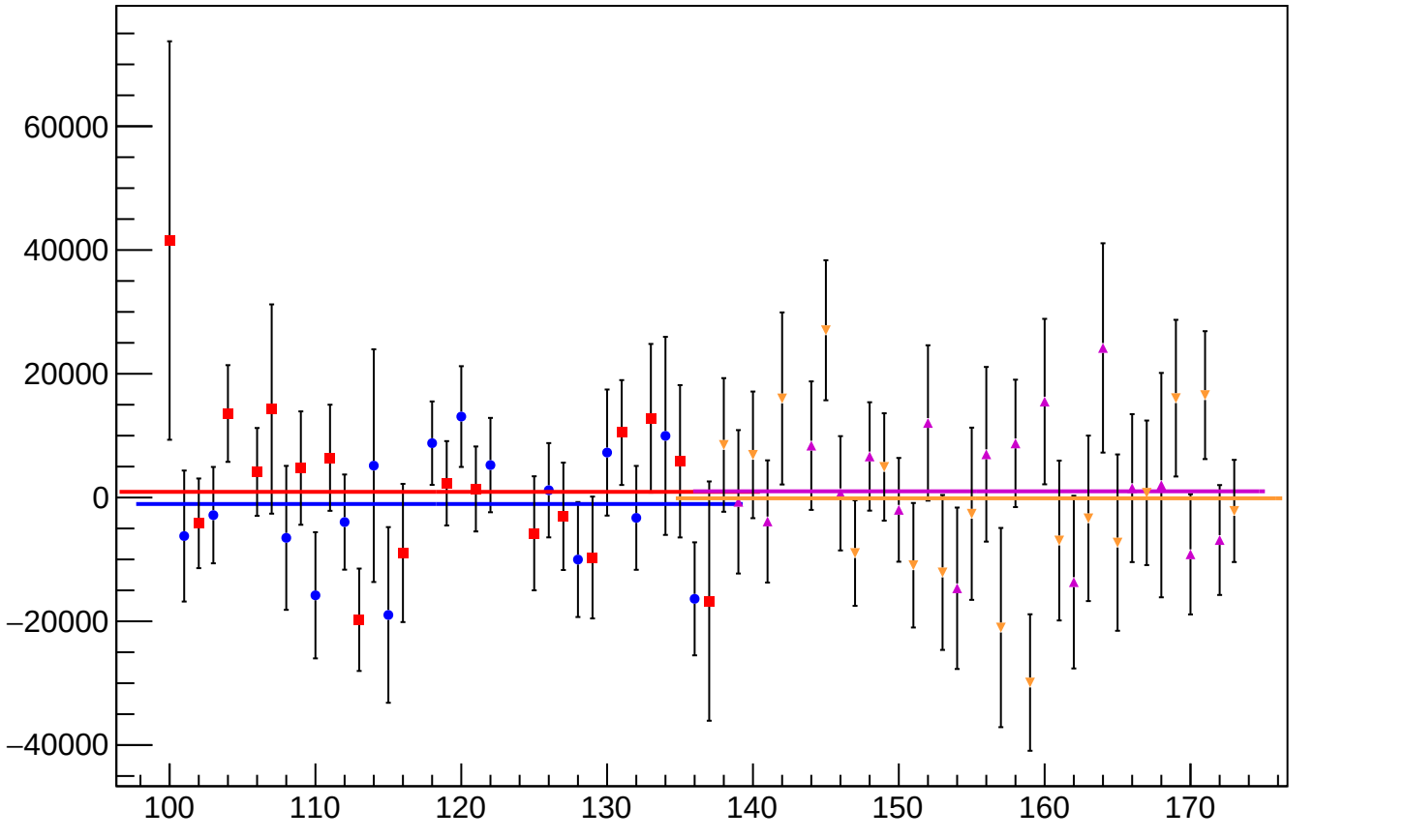
Left: 2649.763+/-0.353 χ^2/NDF: 273696.4/34

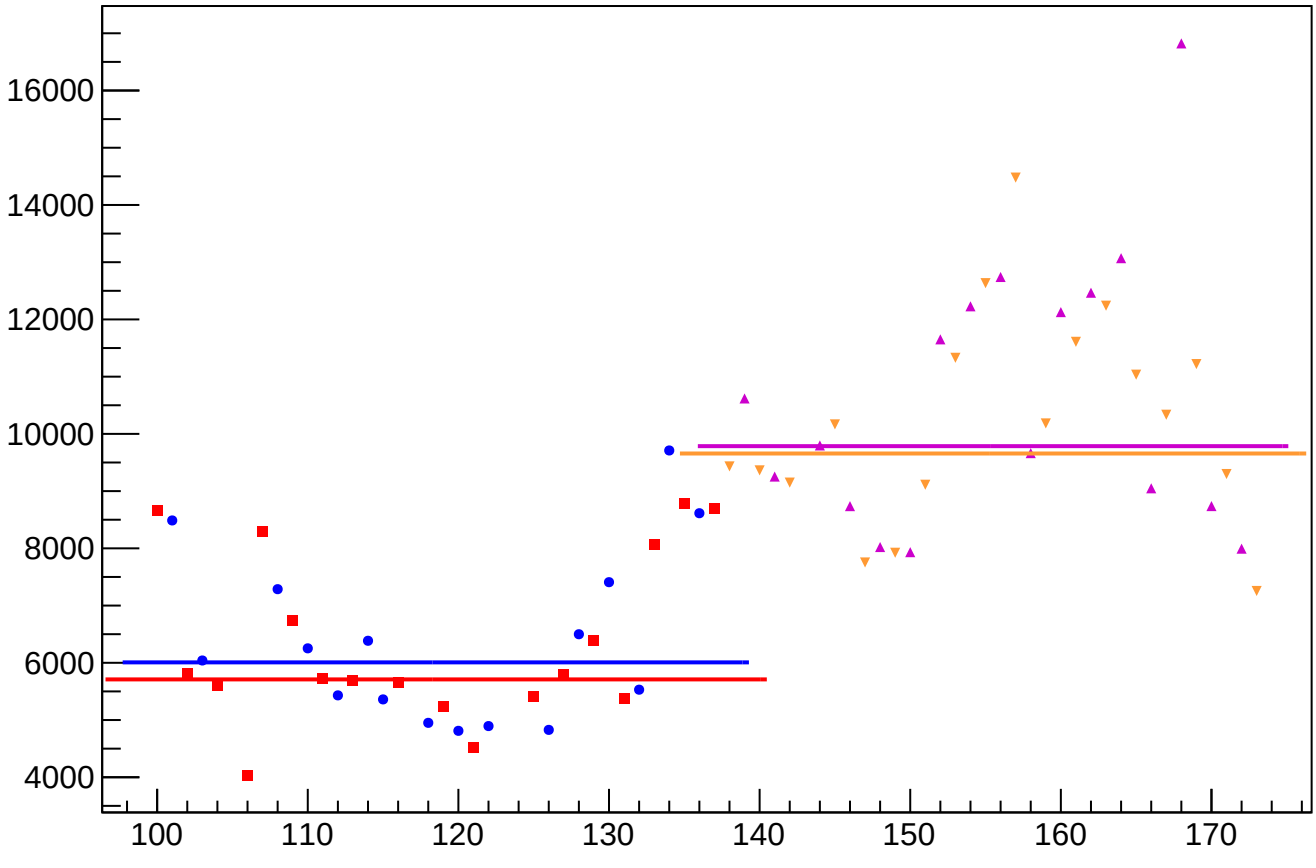
Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2382.817+/-0.370 χ^2/NDF:1045463.8/32

Out: 2371.458+/-0.367 χ^2/NDF:999215.1/35

All: 2377.089+/-0.261 χ^2/NDF: 2045153.5/68


asym_atl2_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -1042.503+/-2294.600 χ²/NDF: 15.3/15
Left Out: -123.520+/-2619.281 χ²/NDF:25.6/17
Right Out: 919.667+/-2150.889 χ²/NDF: 18.4/17
Left In: 1007.610+/-2671.124 χ²/NDF:10.3/16
Left: 430.962+/-1870.171 χ²/NDF: 36.0/34
Right: 1.948+/-1569.255 χ²/NDF: 34.1/33
In: -172.007+/-1740.558 χ²/NDF:26.0/32
Out: 499.528+/-1662.255 χ²/NDF:44.0/35
All: 179.206+/-1202.121 χ²/NDF: 70.1/68



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9657.144+/-1.852 χ^2/NDF:853731.6/17

Right Out: 5709.885+/-1.521 χ^2/NDF: 535929.9/17

Left In: 9785.612+/-1.889 χ^2/NDF:1046952.0/16

Left: 9720.119+/-1.322 χ^2/NDF: 1903042.1/34

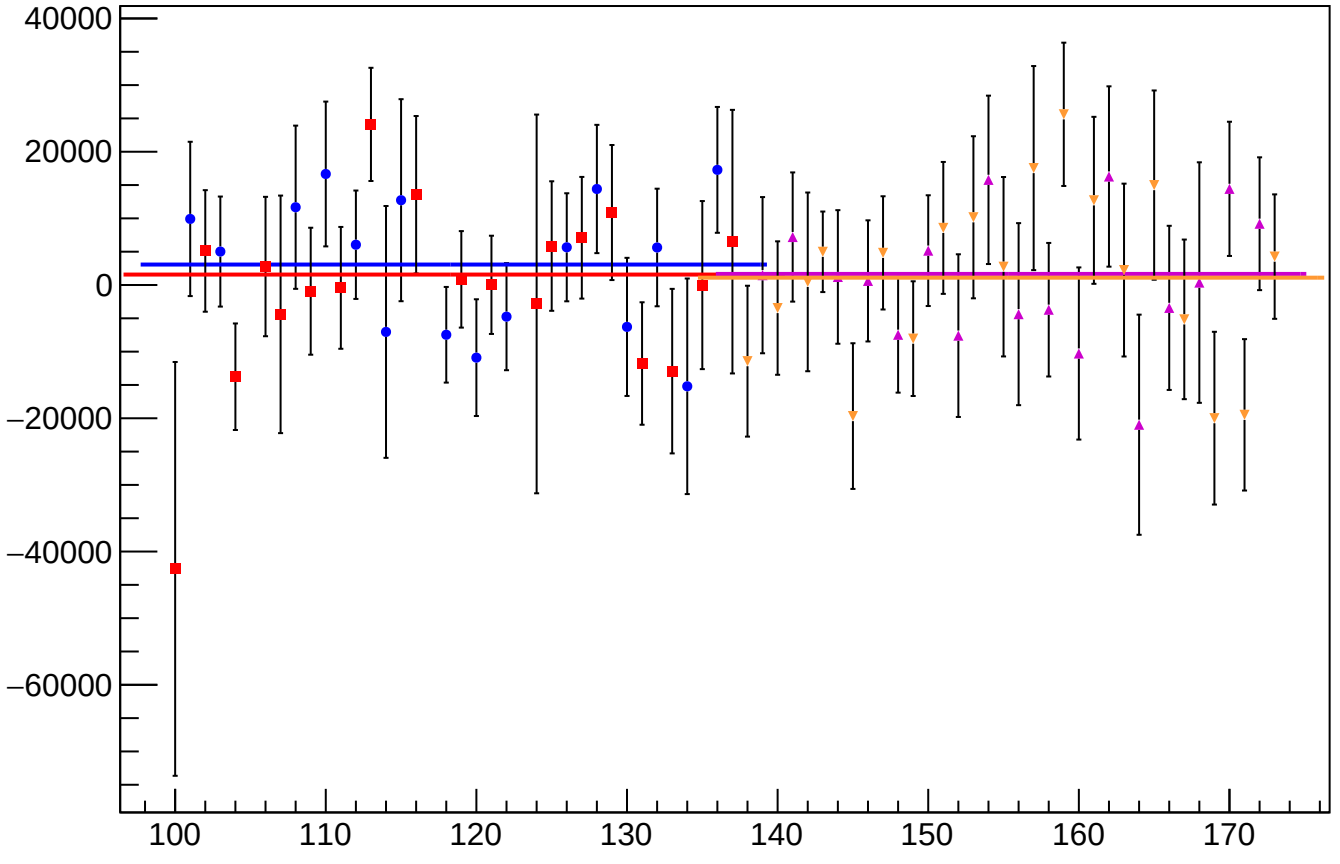
Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 7611.665+/-1.231 χ^2/NDF:4003335.5/32

Out: 7299.627+/-1.175 χ^2/NDF:4102451.6/35

All: 7448.469+/-0.850 χ^2/NDF: 8139405.0/68

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 1098.816+/-2416.615 χ^2/NDF:22.4/18

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 1663.280+/-2666.014 χ^2/NDF:10.2/16

Left: 1353.417+/-1790.500 χ^2/NDF: 32.6/35

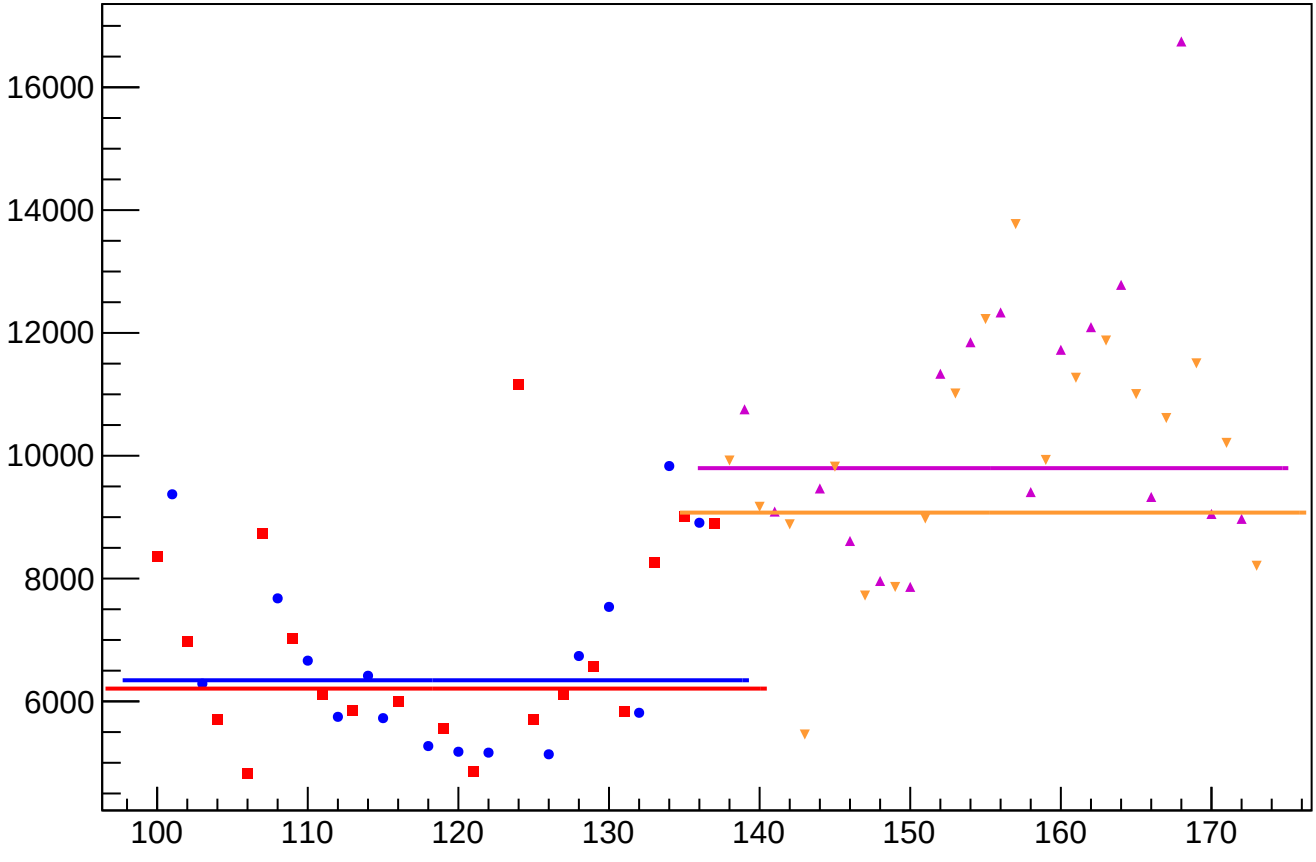
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 2434.479+/-1792.168 χ^2/NDF:25.2/32

Out: 1340.904+/-1679.535 χ^2/NDF:41.6/37

All: 1852.250+/-1225.495 χ^2/NDF: 67.0/70

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 9074.062+/-1.709 χ^2/NDF:1520123.9/18

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9797.880+/-1.885 χ^2/NDF:905630.0/16

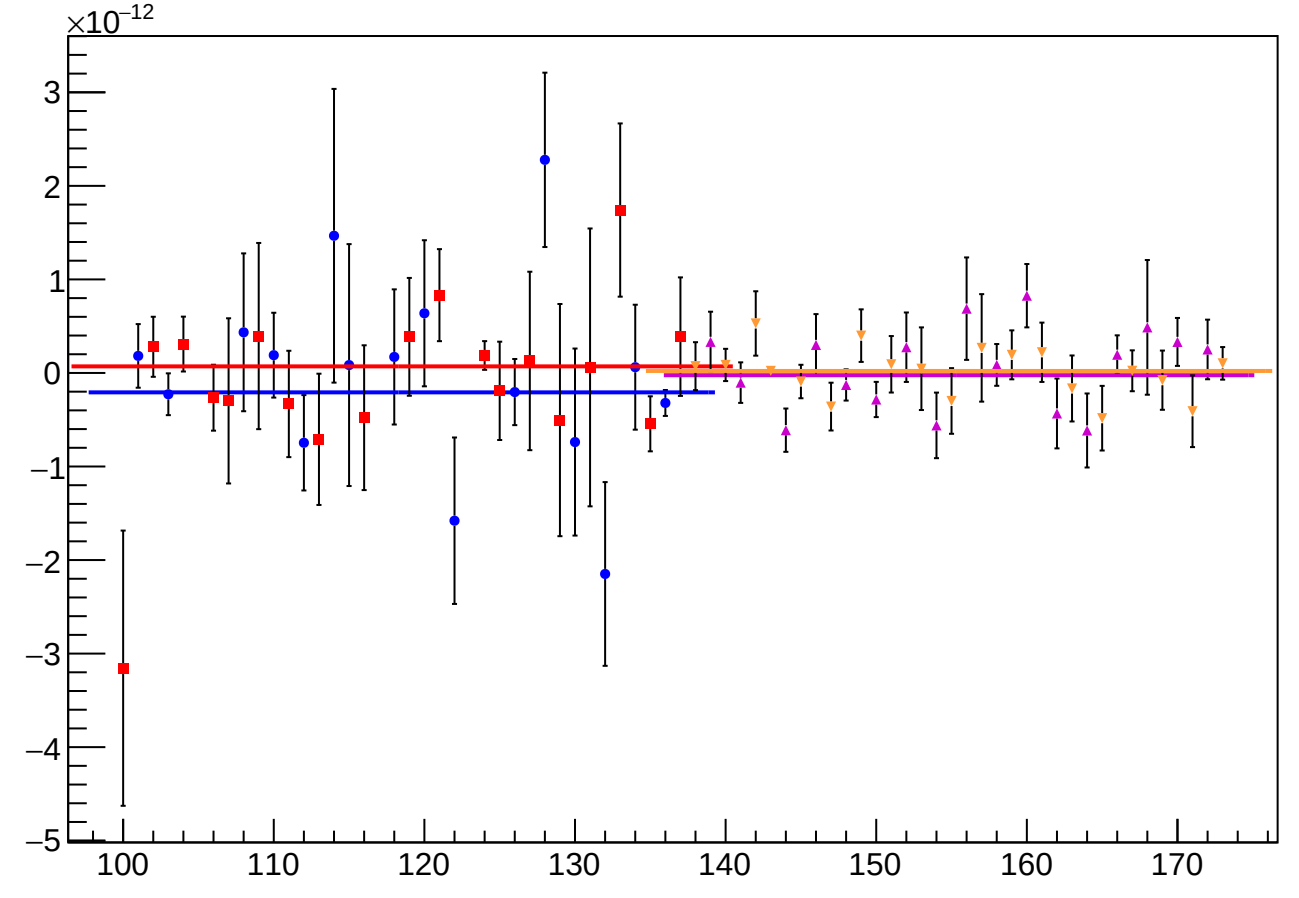
Left: 9400.539+/-1.266 χ^2/NDF: 2506681.8/35

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 7904.659+/-1.267 χ^2/NDF:3366961.6/32

Out: 7592.406+/-1.188 χ^2/NDF:3446194.0/37

All: 7738.413+/-0.867 χ^2/NDF: 6845480.0/70



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: -0.000+/-0.000 χ^2/NDF:30.0/16

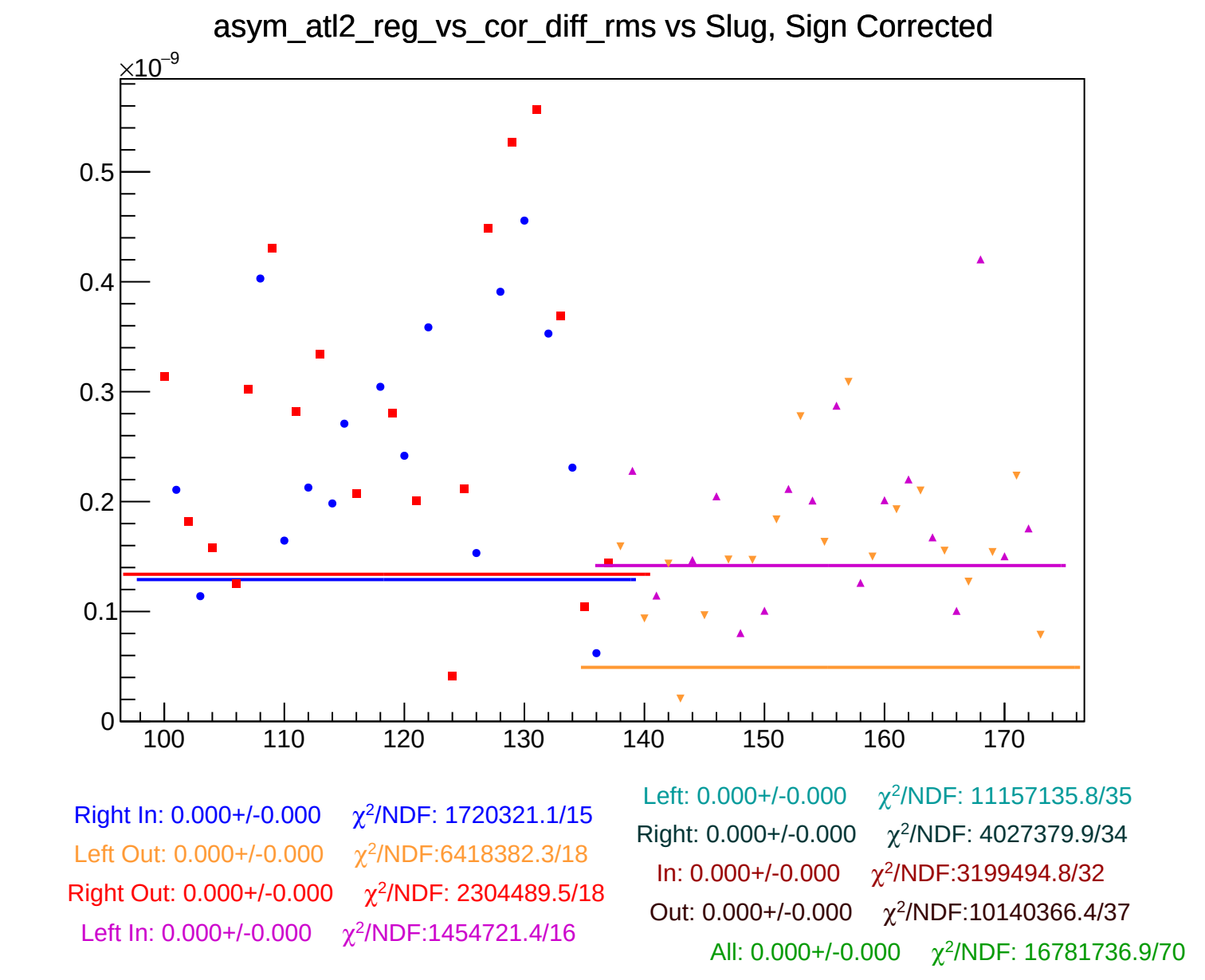
Left: 0.000+/-0.000 χ^2/NDF: 43.1/35

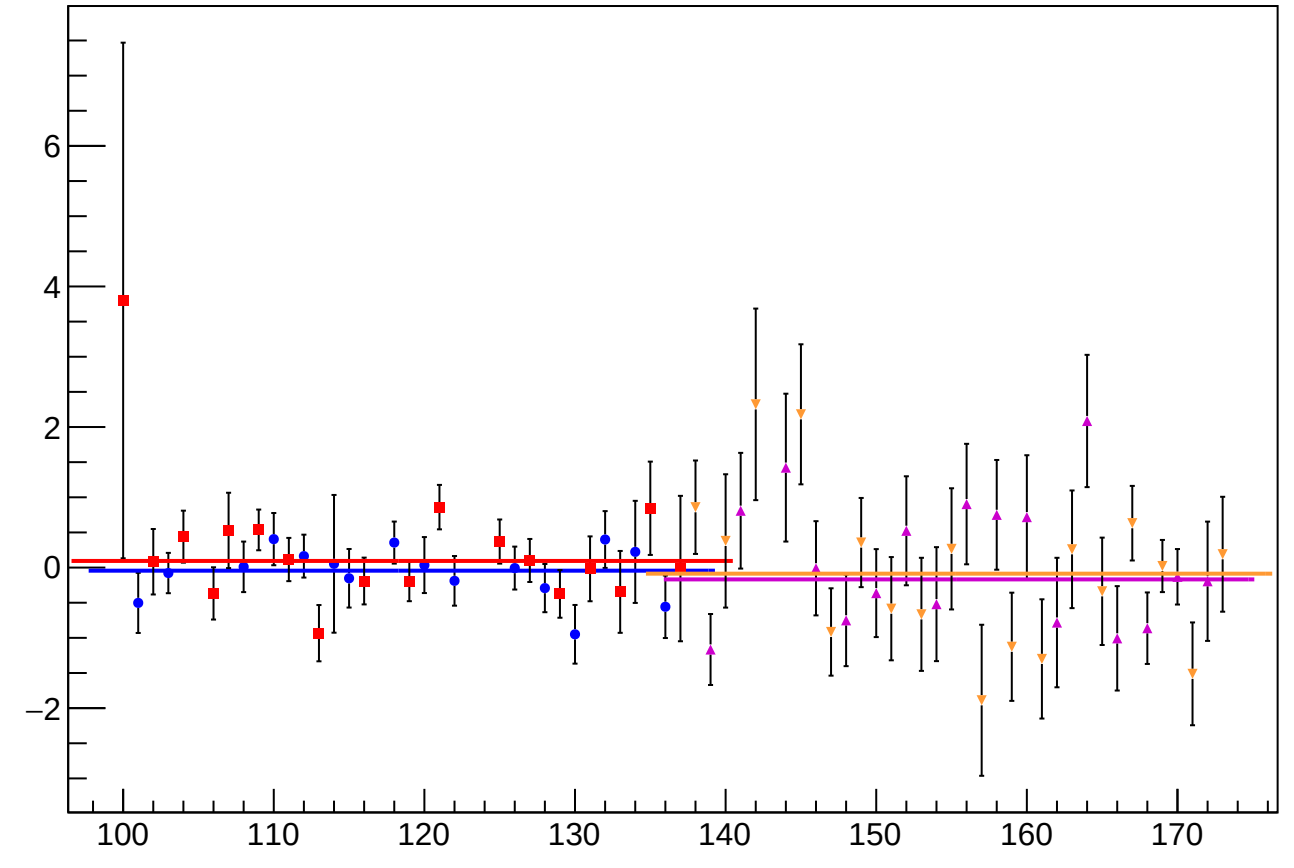
Right: -0.000+/-0.000 χ^2/NDF: 46.0/34

In: -0.000+/-0.000 χ^2/NDF:53.5/32

Out: 0.000+/-0.000 χ^2/NDF:33.8/37

All: 0.000+/-0.000 χ^2/NDF: 90.4/70


asym_atl2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1720321.1/15
Left Out: 0.000+/-0.000 χ²/NDF:6418382.3/18
Right Out: 0.000+/-0.000 χ²/NDF: 2304489.5/18
Left In: 0.000+/-0.000 χ²/NDF:1454721.4/16
Left: 0.000+/-0.000 χ²/NDF: 11157135.8/35
Right: 0.000+/-0.000 χ²/NDF: 4027379.9/34
In: 0.000+/-0.000 χ²/NDF:3199494.8/32
Out: 0.000+/-0.000 χ²/NDF:10140366.4/37
All: 0.000+/-0.000 χ²/NDF: 16781736.9/70



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.087+/-0.167 χ^2/NDF:26.8/17

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.168+/-0.165 χ^2/NDF:22.8/16

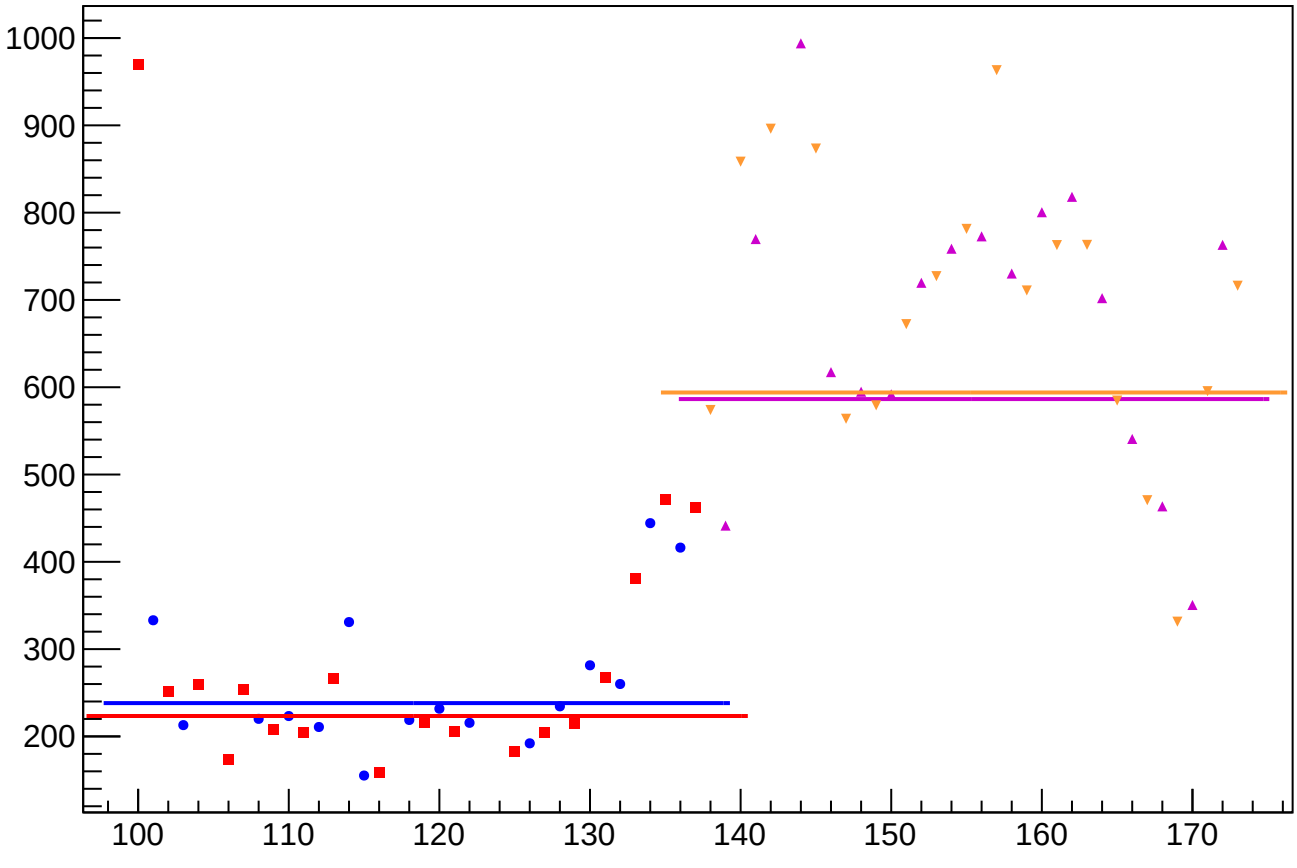
Left: -0.128+/-0.117 χ^2/NDF: 49.7/34

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.074+/-0.082 χ^2/NDF:36.3/32

Out: 0.053+/-0.079 χ^2/NDF:53.0/35

All: -0.009+/-0.057 χ^2/NDF: 90.6/68



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 593.972+/-0.118 χ^2/NDF:2187636.6/17

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 586.443+/-0.117 χ^2/NDF:2080129.6/16

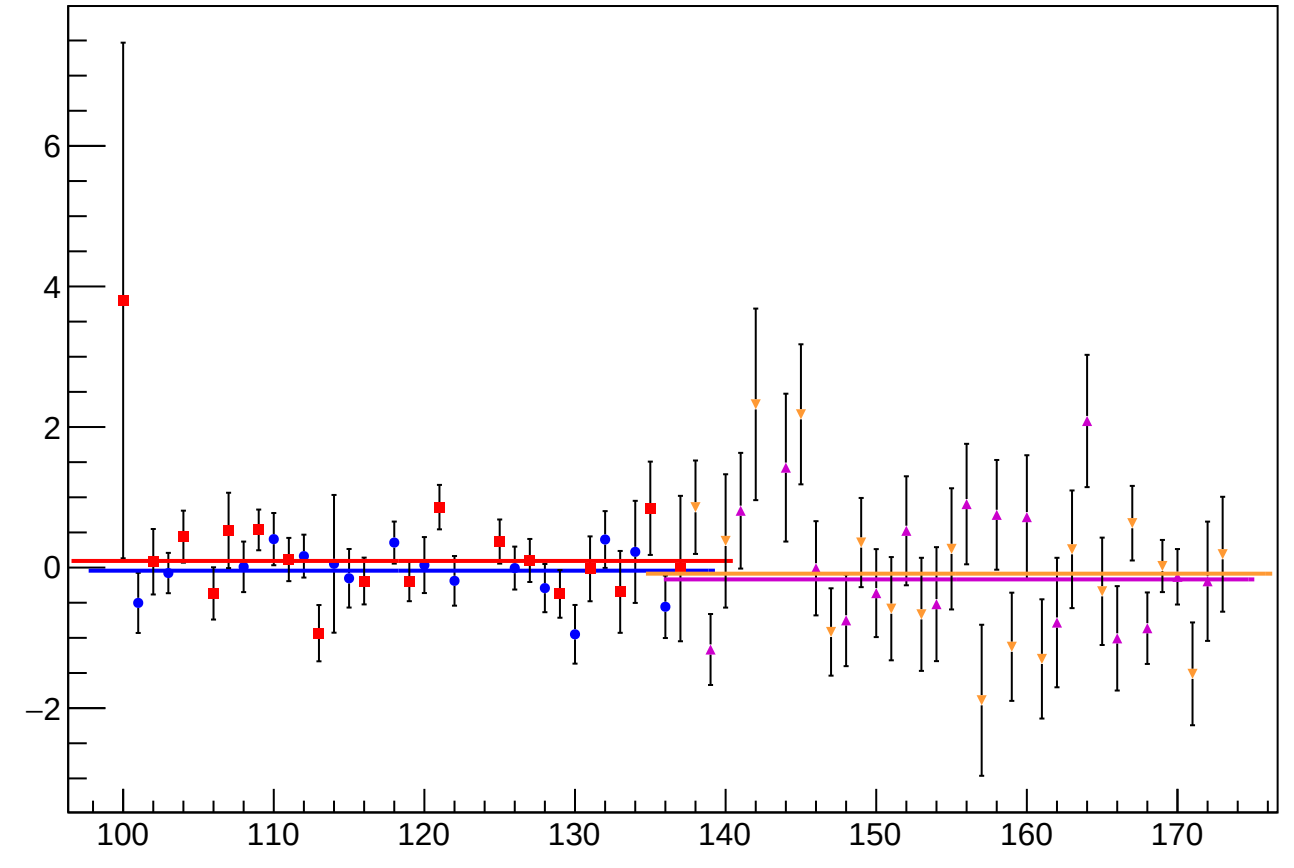
Left: 590.171+/-0.083 χ^2/NDF: 4269826.4/34

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 323.164+/-0.058 χ^2/NDF:9616696.6/32

Out: 307.094+/-0.056 χ^2/NDF:10703486.2/35

All: 314.895+/-0.040 χ^2/NDF: 20360140.0/68



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.087+/-0.167 χ^2/NDF:26.8/17

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.168+/-0.165 χ^2/NDF:22.8/16

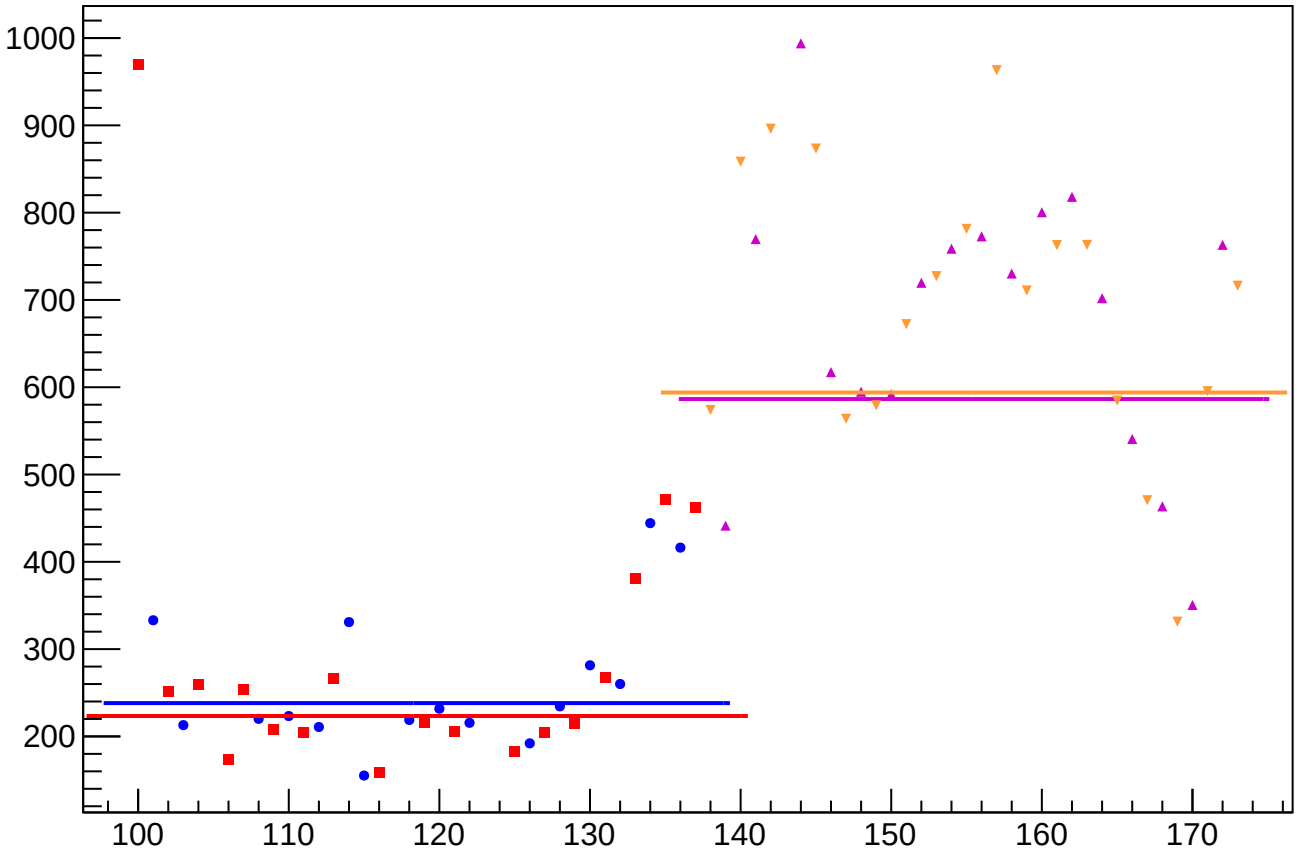
Left: -0.128+/-0.117 χ^2/NDF: 49.7/34

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.074+/-0.082 χ^2/NDF:36.3/32

Out: 0.053+/-0.079 χ^2/NDF:53.0/35

All: -0.009+/-0.057 χ^2/NDF: 90.6/68



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 593.972+/-0.118 χ^2/NDF:2187636.6/17

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 586.443+/-0.117 χ^2/NDF:2080129.6/16

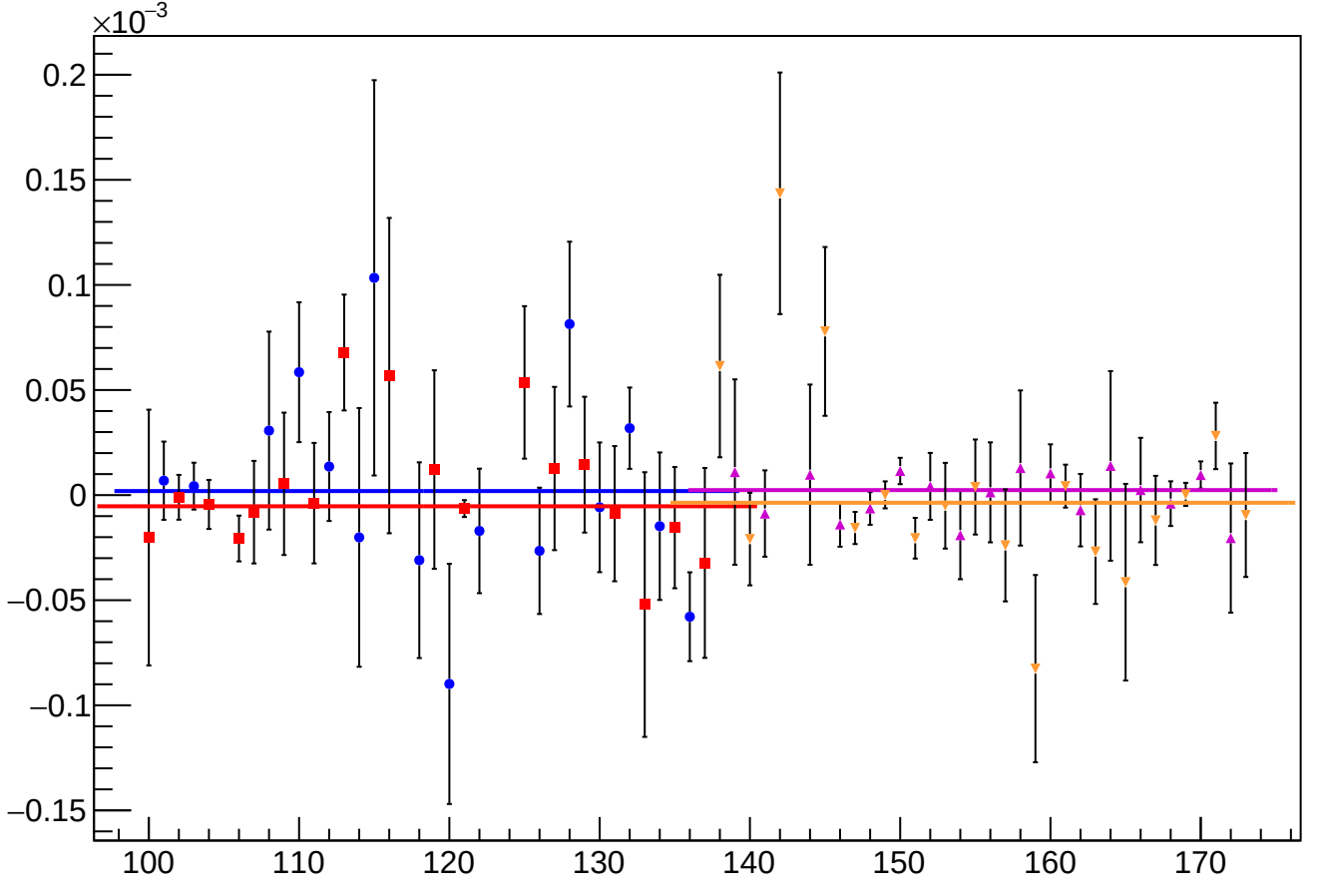
Left: 590.171+/-0.083 χ^2/NDF: 4269826.4/34

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 323.164+/-0.058 χ^2/NDF:9616696.6/32

Out: 307.094+/-0.056 χ^2/NDF:10703486.2/35

All: 314.895+/-0.040 χ^2/NDF: 20360140.0/68



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.1/17

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

Left In: 0.000+/-0.000 χ^2/NDF:9.9/16

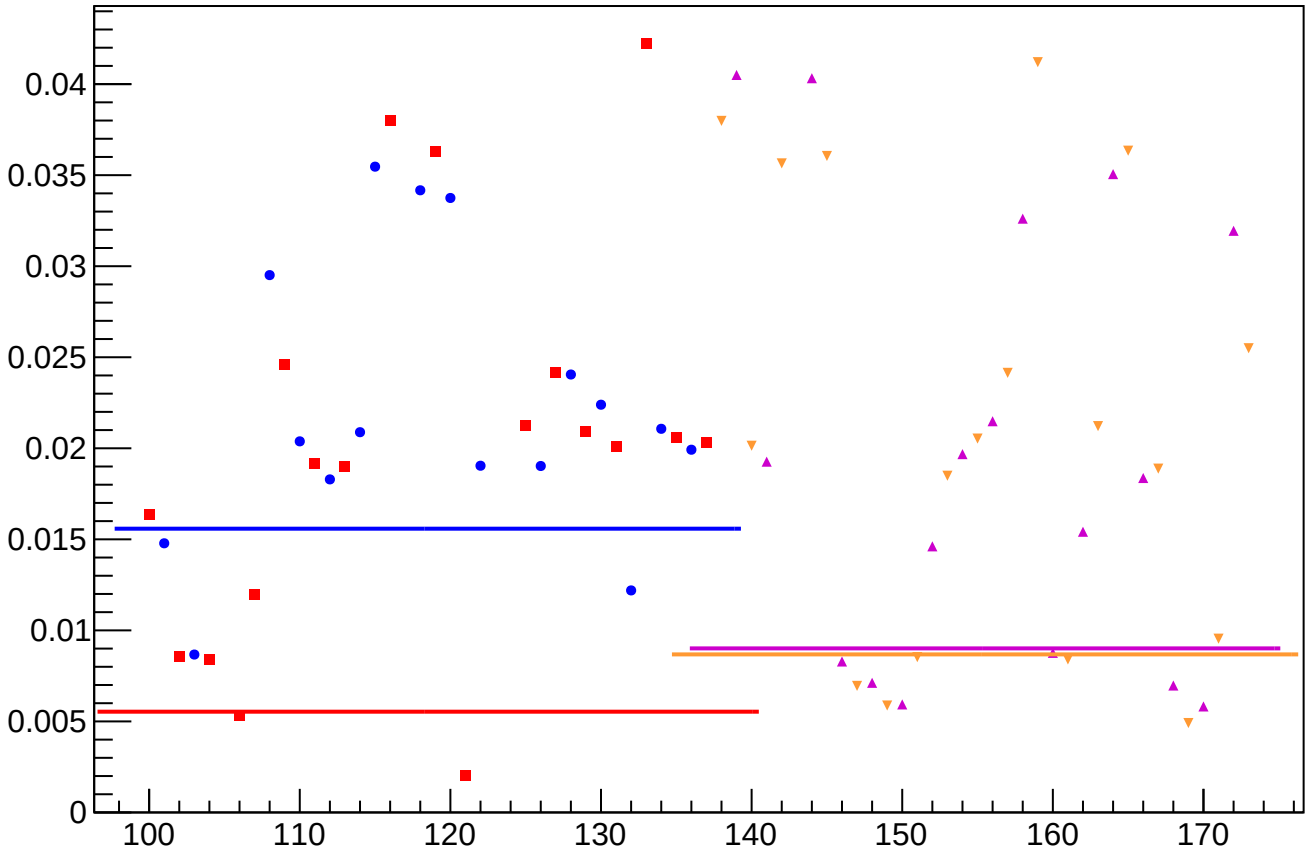
Left: -0.000+/-0.000 χ^2/NDF: 42.0/34

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:34.0/32

Out: -0.000+/-0.000 χ^2/NDF:44.8/35

All: -0.000+/-0.000 χ^2/NDF: 82.4/68



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:9336411.3/17

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.009+/-0.000 χ^2/NDF:7947046.7/16

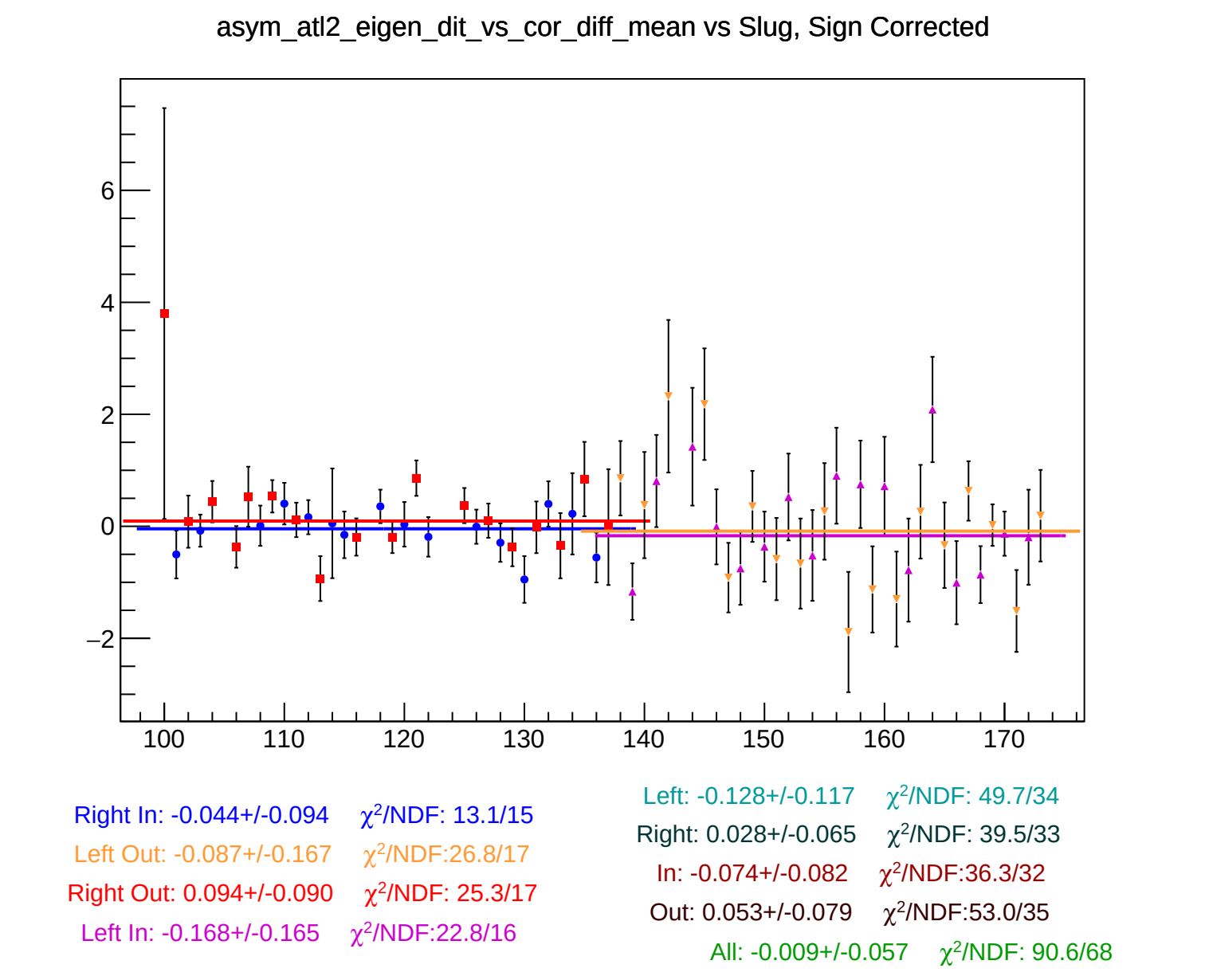
Left: 0.009+/-0.000 χ^2/NDF: 17295476.6/34

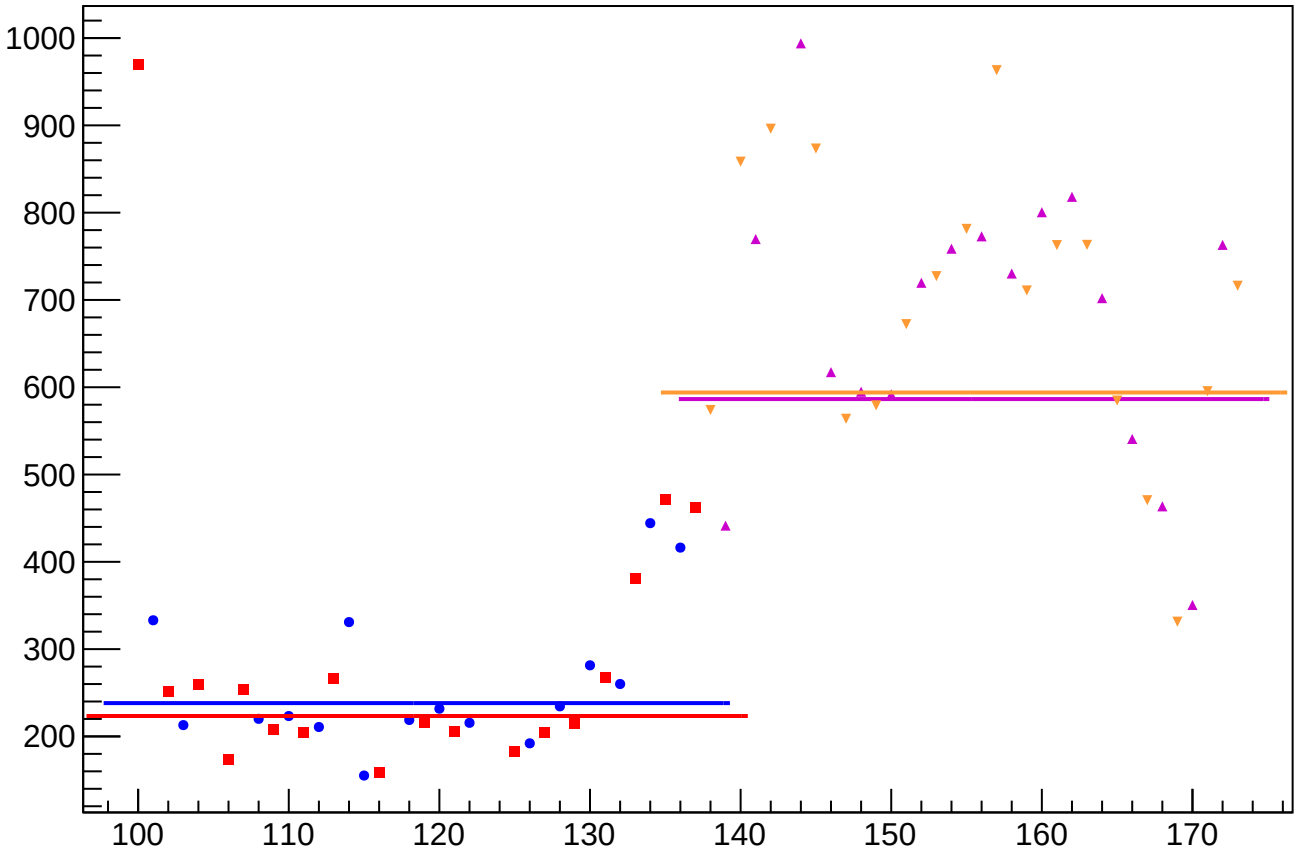
Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.010+/-0.000 χ^2/NDF:11750882.7/32

Out: 0.007+/-0.000 χ^2/NDF:18333896.3/35

All: 0.008+/-0.000 χ^2/NDF: 31555382.2/68


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
6
4
2
0
−2
100
110
120
130
140
150
160
170
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.087+/-0.167 χ²/NDF:26.8/17
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.168+/-0.165 χ²/NDF:22.8/16
Left: -0.128+/-0.117 χ²/NDF: 49.7/34
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.074+/-0.082 χ²/NDF:36.3/32
Out: 0.053+/-0.079 χ²/NDF:53.0/35
All: -0.009+/-0.057 χ²/NDF: 90.6/68



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 593.976+/-0.118 χ^2/NDF:2187702.5/17

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 586.450+/-0.117 χ^2/NDF:2080121.3/16

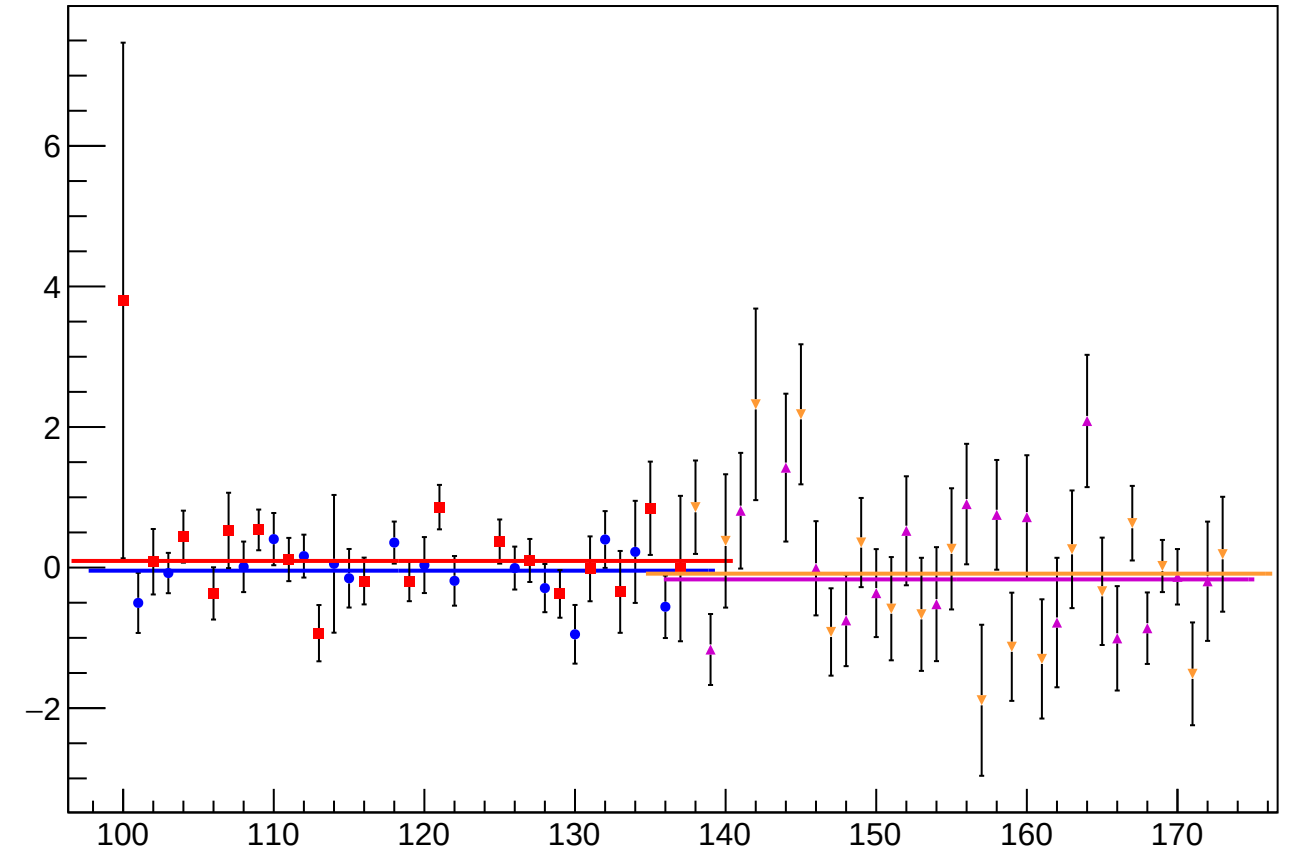
Left: 590.177+/-0.083 χ^2/NDF: 4269882.4/34

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 323.165+/-0.058 χ^2/NDF:9616764.7/32

Out: 307.095+/-0.056 χ^2/NDF:10703493.2/35

All: 314.897+/-0.040 χ^2/NDF: 20360211.5/68



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.087+/-0.167 χ^2/NDF:26.8/17

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.168+/-0.165 χ^2/NDF:22.8/16

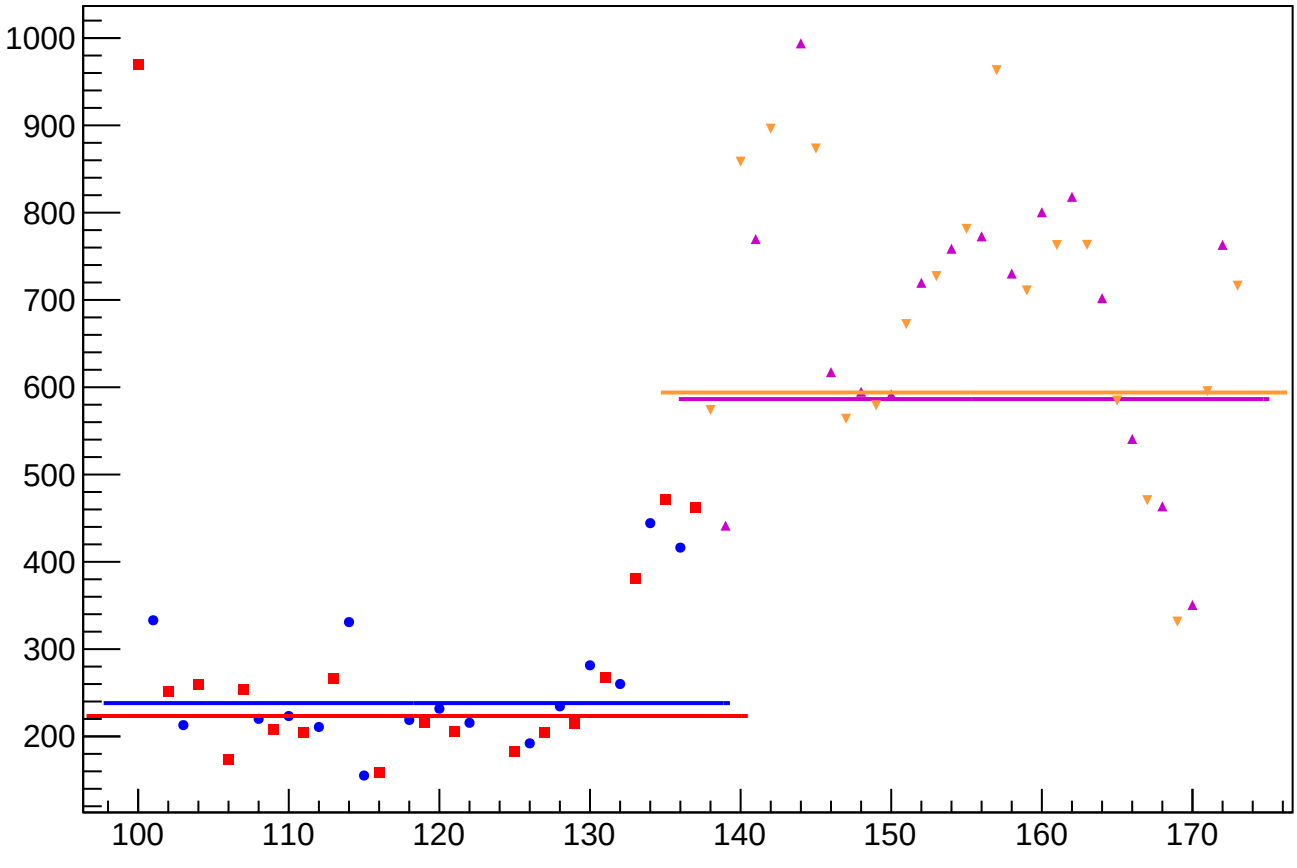
Left: -0.128+/-0.117 χ^2/NDF: 49.7/34

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.074+/-0.082 χ^2/NDF:36.3/32

Out: 0.053+/-0.079 χ^2/NDF:53.0/35

All: -0.009+/-0.057 χ^2/NDF: 90.6/68



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 593.976+/-0.118 χ^2/NDF:2187702.5/17

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 586.450+/-0.117 χ^2/NDF:2080121.3/16

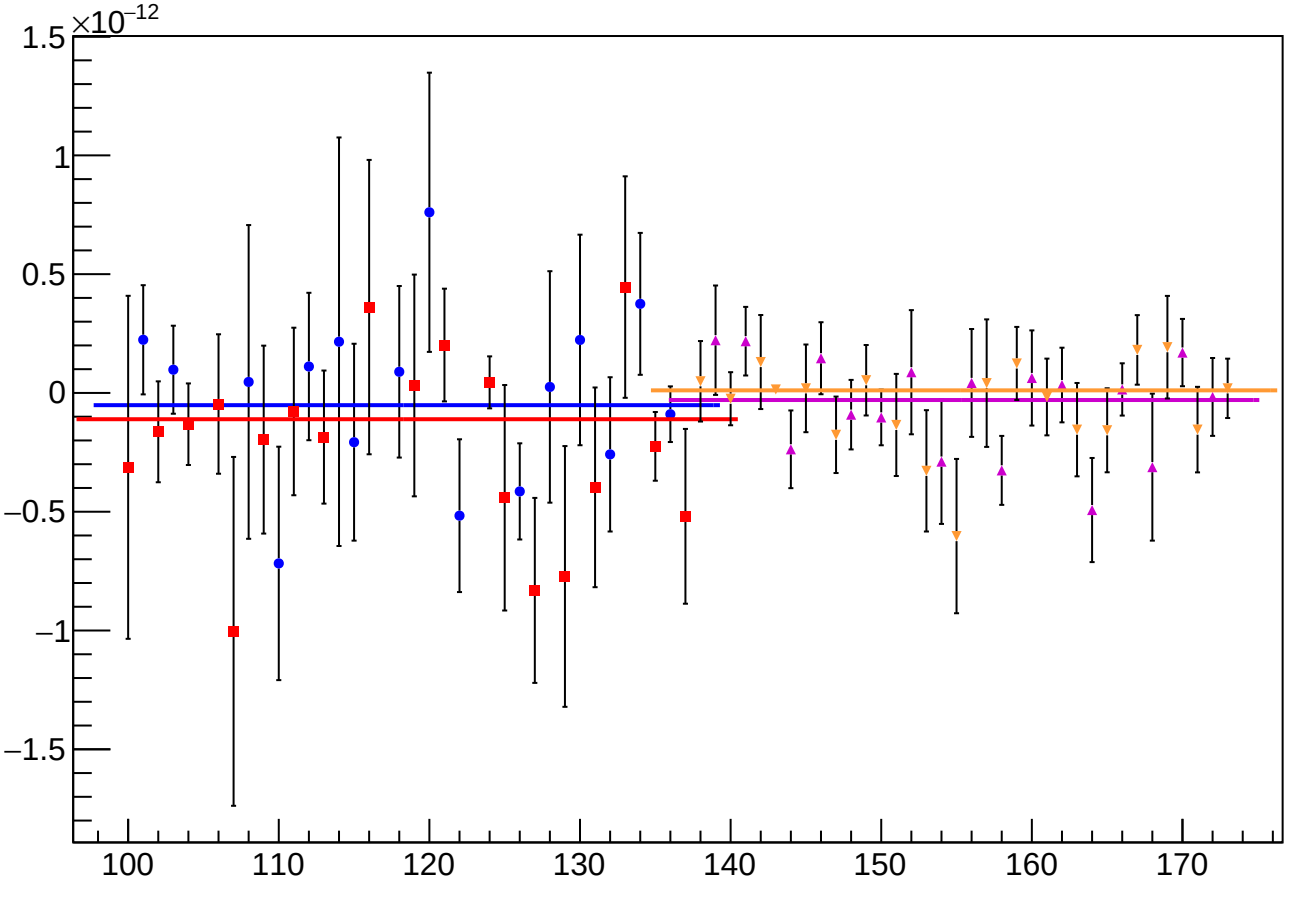
Left: 590.177+/-0.083 χ^2/NDF: 4269882.4/34

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 323.165+/-0.058 χ^2/NDF:9616764.7/32

Out: 307.095+/-0.056 χ^2/NDF:10703493.2/35

All: 314.897+/-0.040 χ^2/NDF: 20360211.5/68



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.9/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:20.9/16

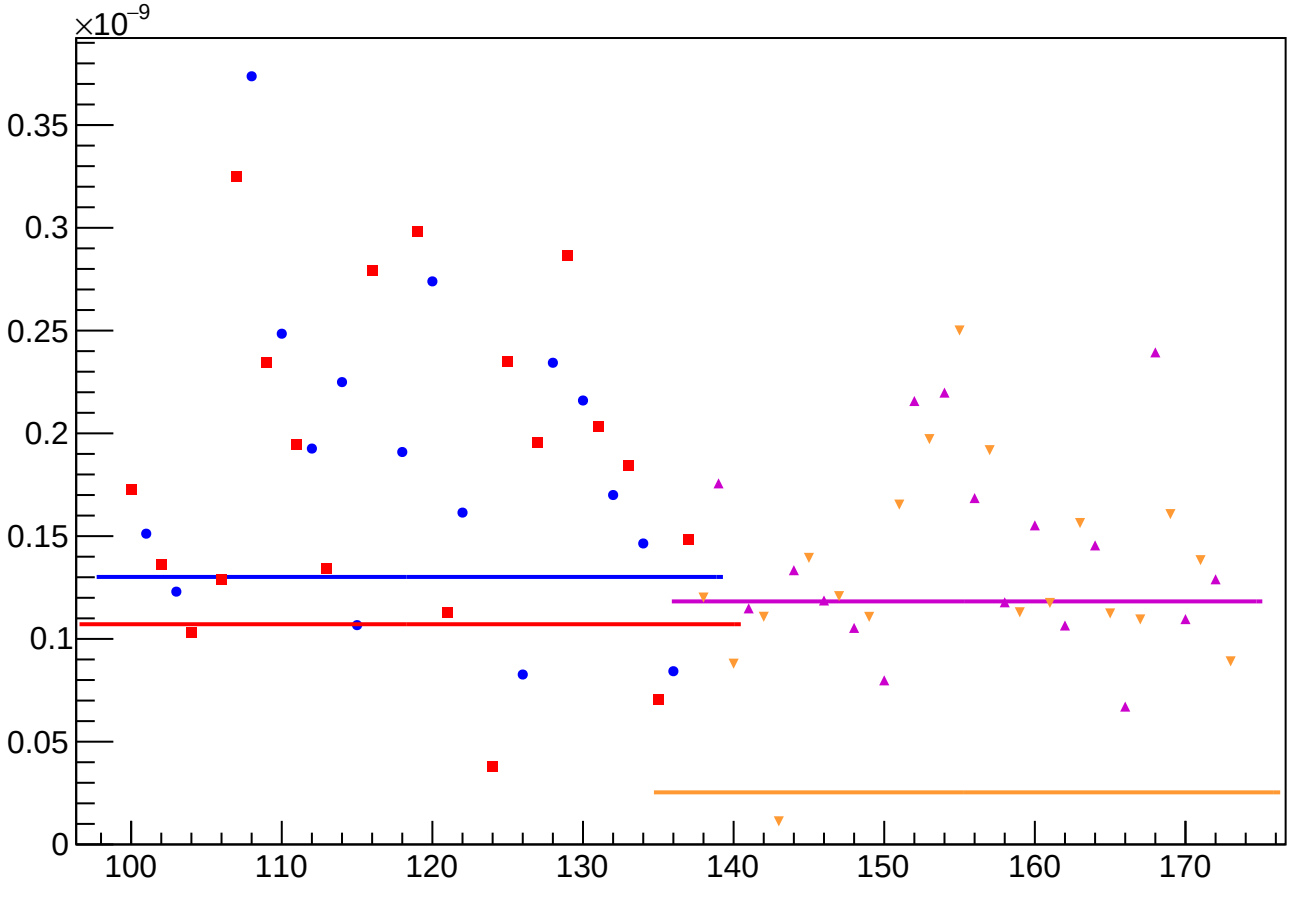
Left: 0.000+/-0.000 χ^2/NDF: 34.8/35

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:35.8/32

Out: 0.000+/-0.000 χ^2/NDF:32.2/37

All: -0.000+/-0.000 χ^2/NDF: 69.2/70



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14338382.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1915020.2/16

Left: 0.000+/-0.000 χ^2/NDF: 25867061.9/35

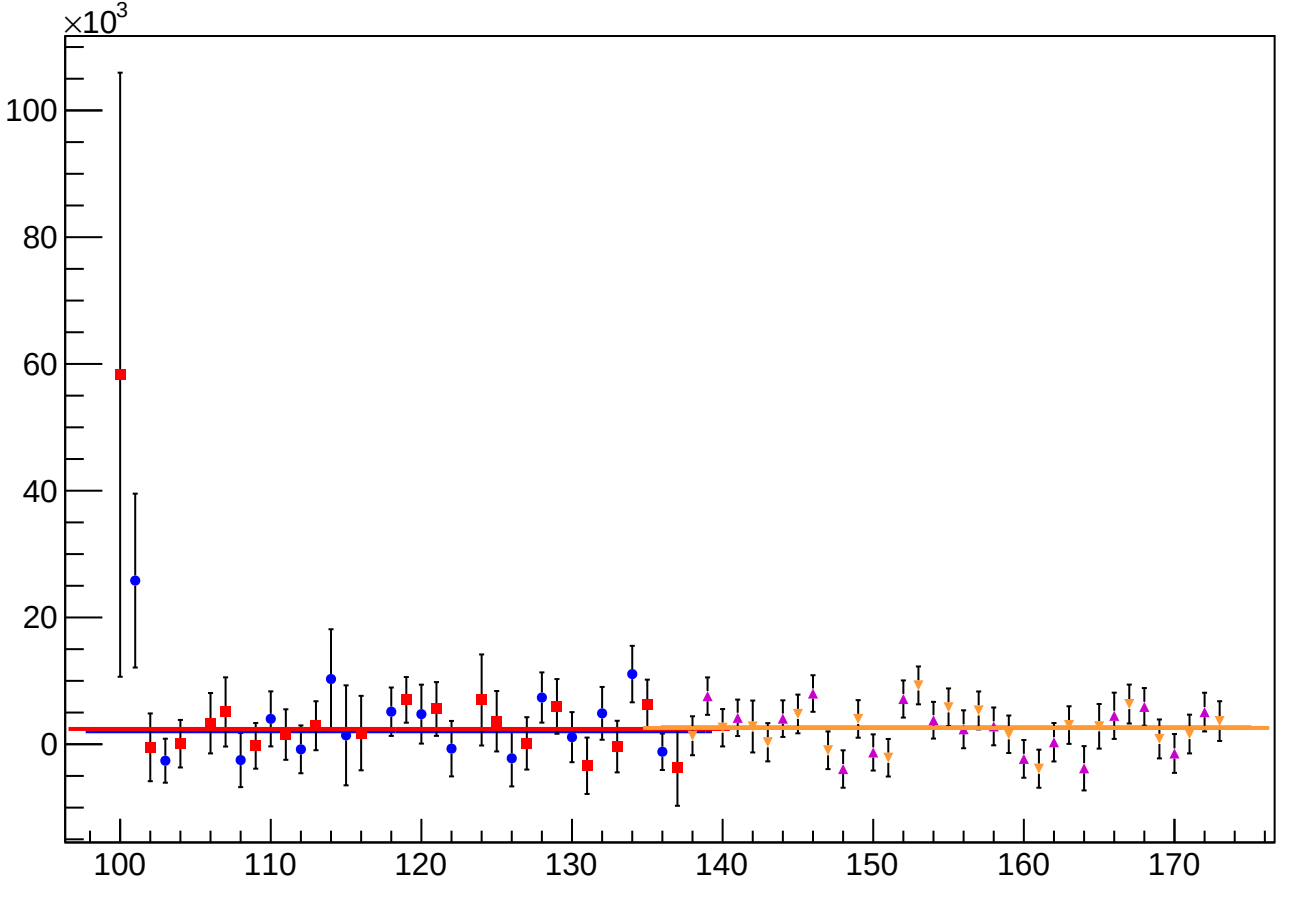
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:3295435.9/32

Out: 0.000+/-0.000 χ^2/NDF:20619437.1/37

All: 0.000+/-0.000 χ^2/NDF: 36077895.1/70

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2569.280+/-704.441 χ^2/NDF:19.3/18

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 2625.200+/-729.715 χ^2/NDF:26.7/16

Left: 2596.255+/-506.815 χ^2/NDF: 46.0/35

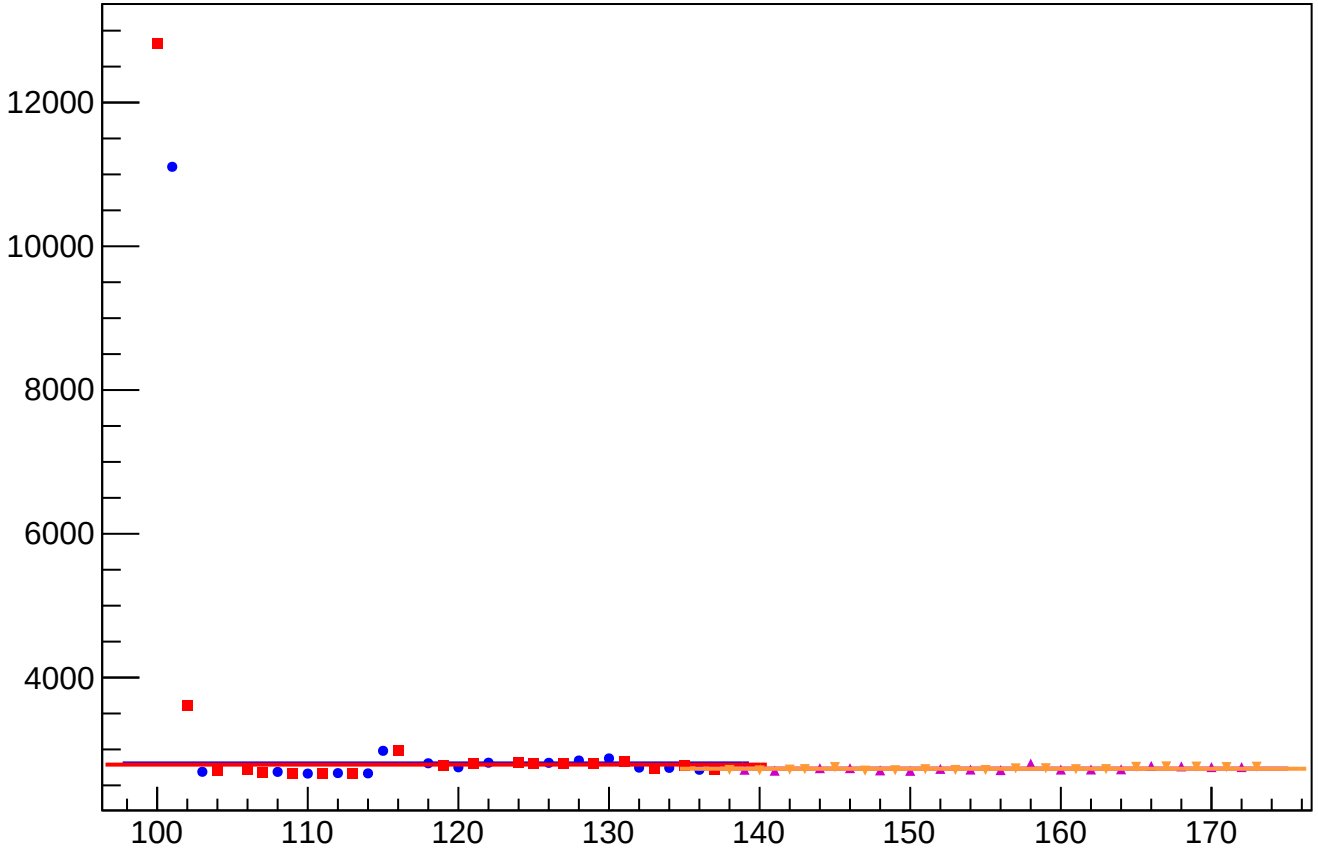
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2442.534+/-602.937 χ^2/NDF:44.7/32

Out: 2519.474+/-582.437 χ^2/NDF:30.0/37

All: 2482.334+/-418.905 χ^2/NDF: 74.8/70

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2731.402+/-0.498 χ^2/NDF:1548.6/18

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2733.675+/-0.516 χ^2/NDF:2604.2/16

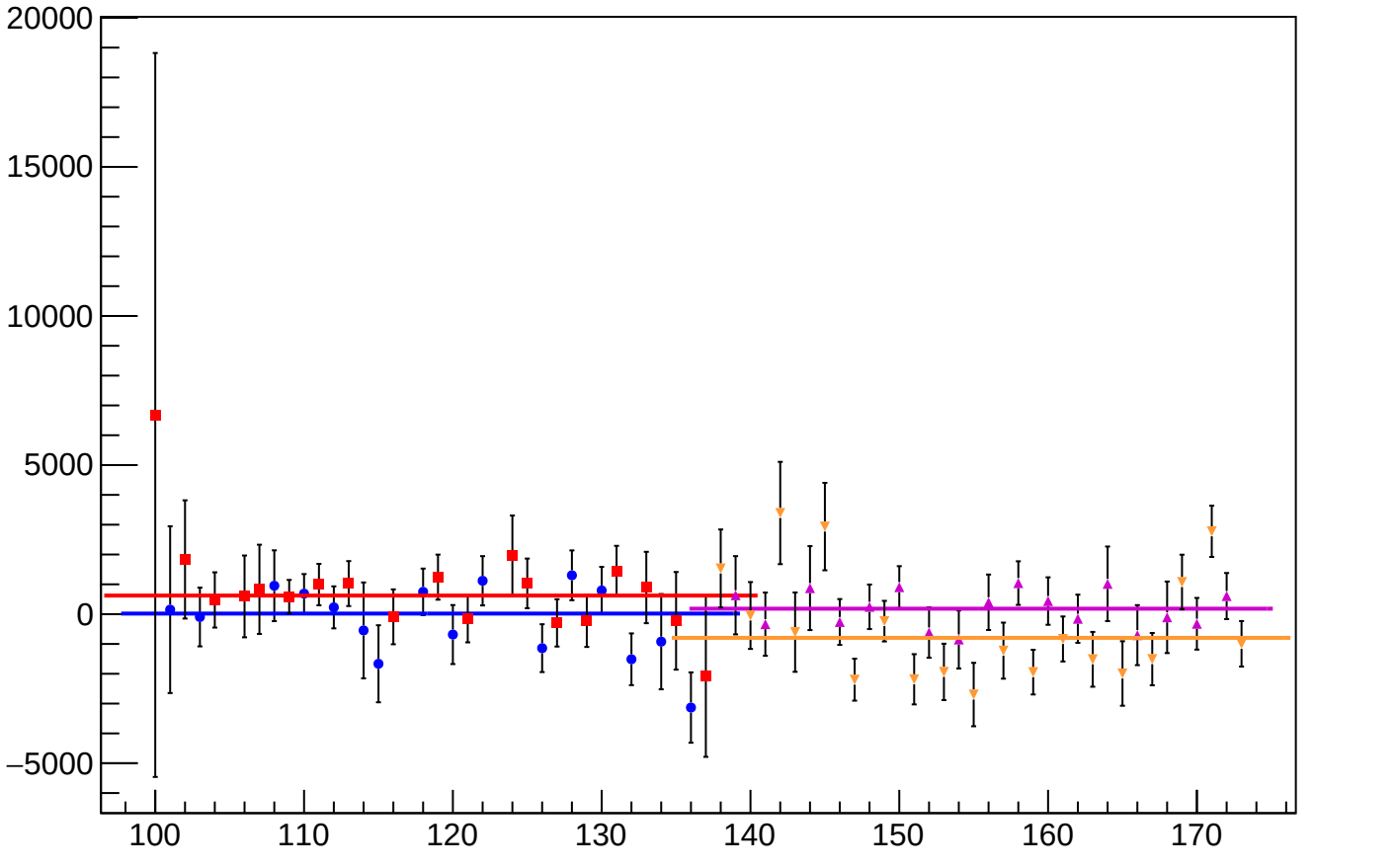
Left: 2732.498+/-0.358 χ^2/NDF: 4162.8/35

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2756.447+/-0.426 χ^2/NDF:754983.5/32

Out: 2749.569+/-0.412 χ^2/NDF:152750.9/37

All: 2752.889+/-0.296 χ^2/NDF: 907869.0/70



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -795.098+/-210.330 χ^2/NDF:54.7/18

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 182.760+/-216.147 χ^2/NDF:7.6/16

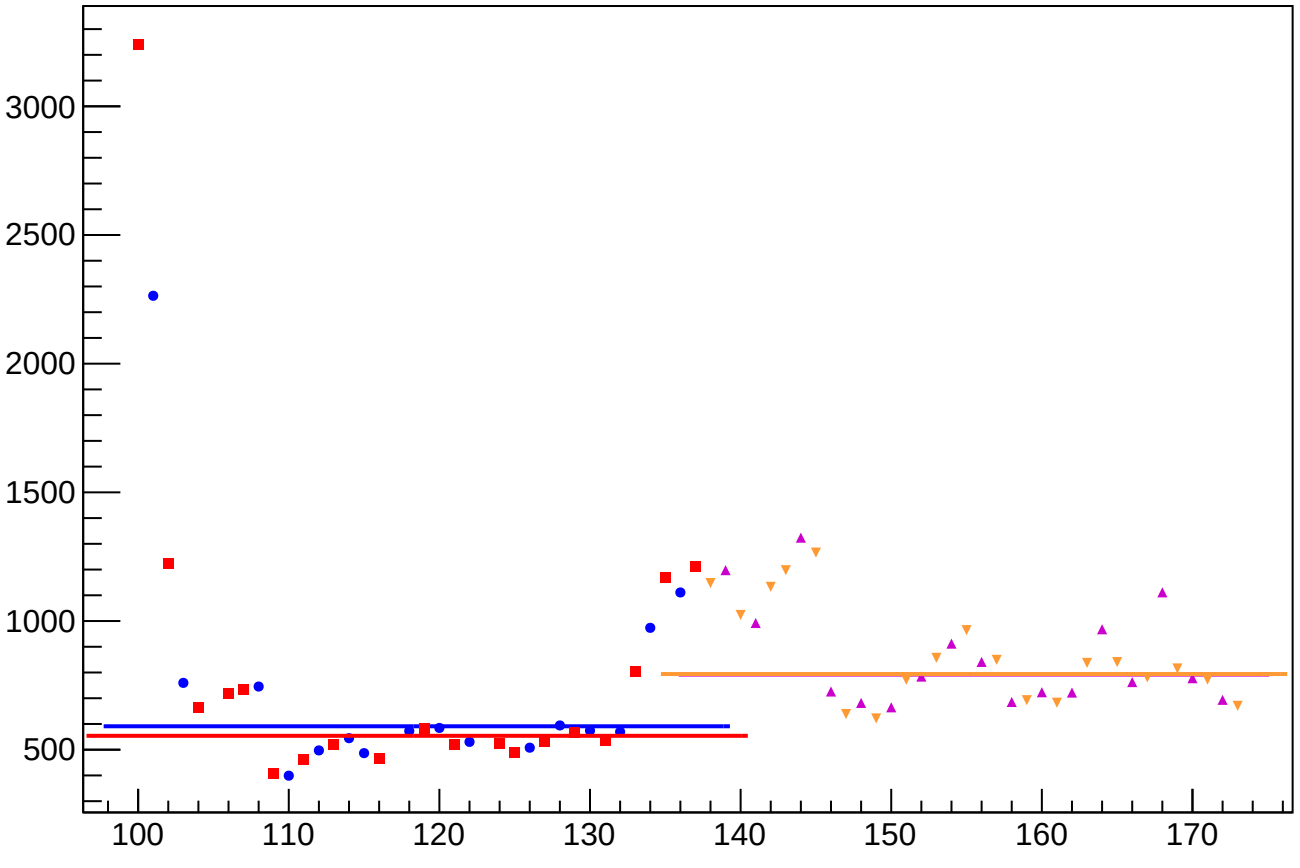
Left: -319.502+/-150.740 χ^2/NDF: 72.9/35

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 107.176+/-158.614 χ^2/NDF:30.7/32

Out: -104.682+/-150.673 χ^2/NDF:86.1/37

All: -4.189+/-109.241 χ^2/NDF: 117.7/70



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 793.994+/-0.149 χ^2/NDF:1137108.3/18

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 791.803+/-0.153 χ^2/NDF:996351.4/16

Left: 792.928+/-0.107 χ^2/NDF: 2133565.3/35

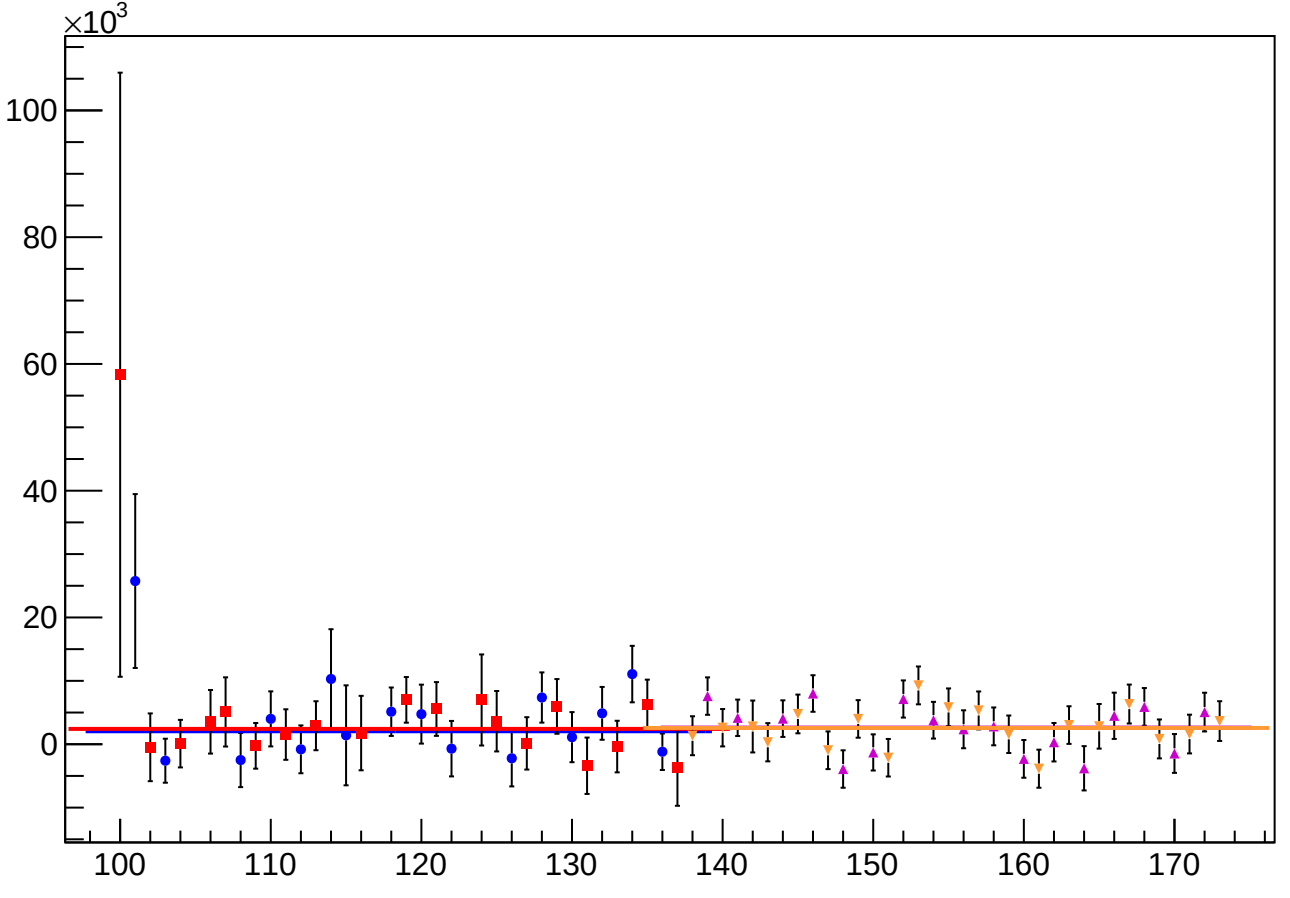
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 699.151+/-0.112 χ^2/NDF:3360295.4/32

Out: 677.150+/-0.107 χ^2/NDF:3521866.5/37

All: 687.586+/-0.077 χ^2/NDF: 6902388.3/70

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2569.289+/-704.441 χ^2/NDF:19.3/18

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2625.273+/-729.715 χ^2/NDF:26.7/16

Left: 2596.295+/-506.815 χ^2/NDF: 46.0/35

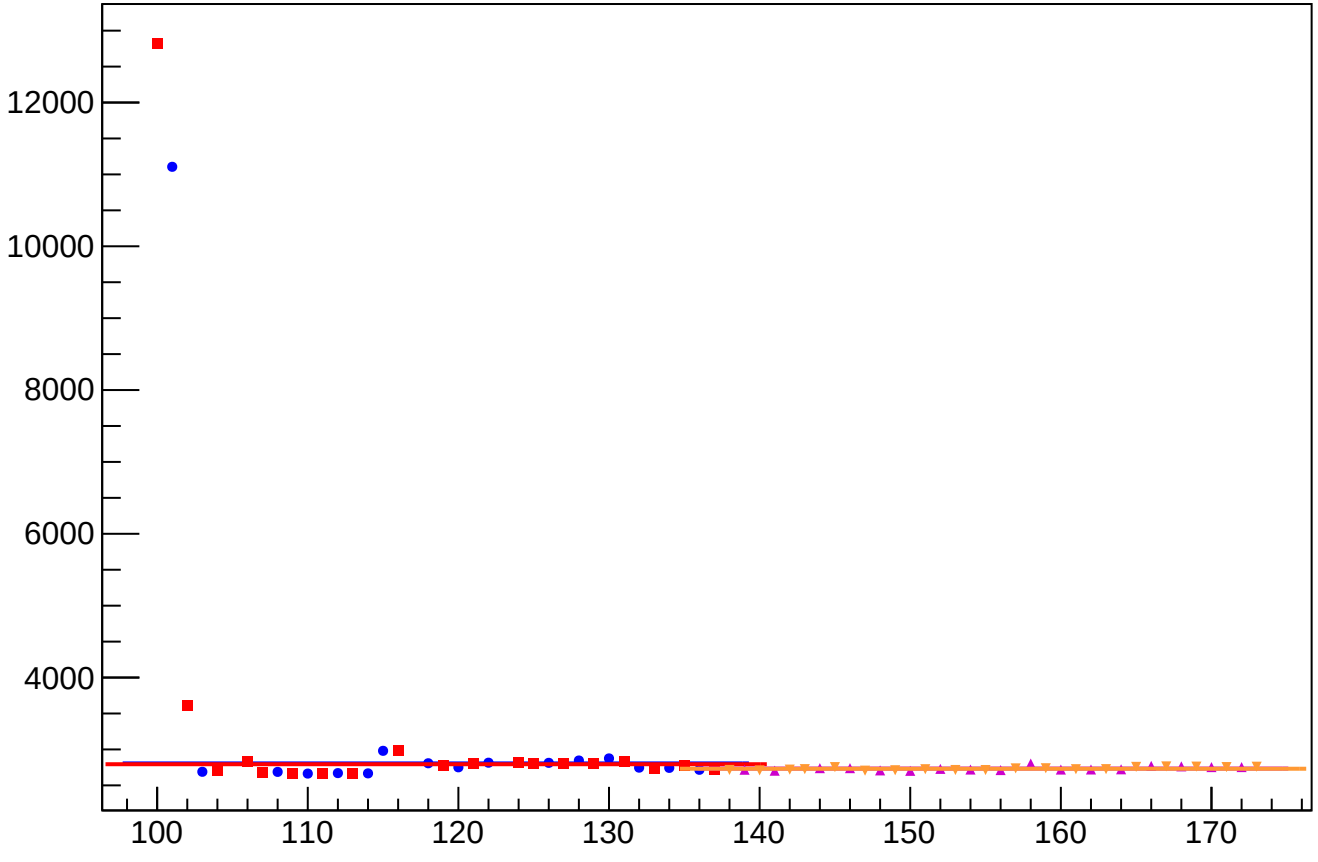
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2442.329+/-602.937 χ^2/NDF:44.7/32

Out: 2521.544+/-582.861 χ^2/NDF:30.1/37

All: 2483.277+/-419.062 χ^2/NDF: 74.8/70

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2731.402+/-0.498 χ^2/NDF:1548.6/18

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2733.675+/-0.516 χ^2/NDF:2604.2/16

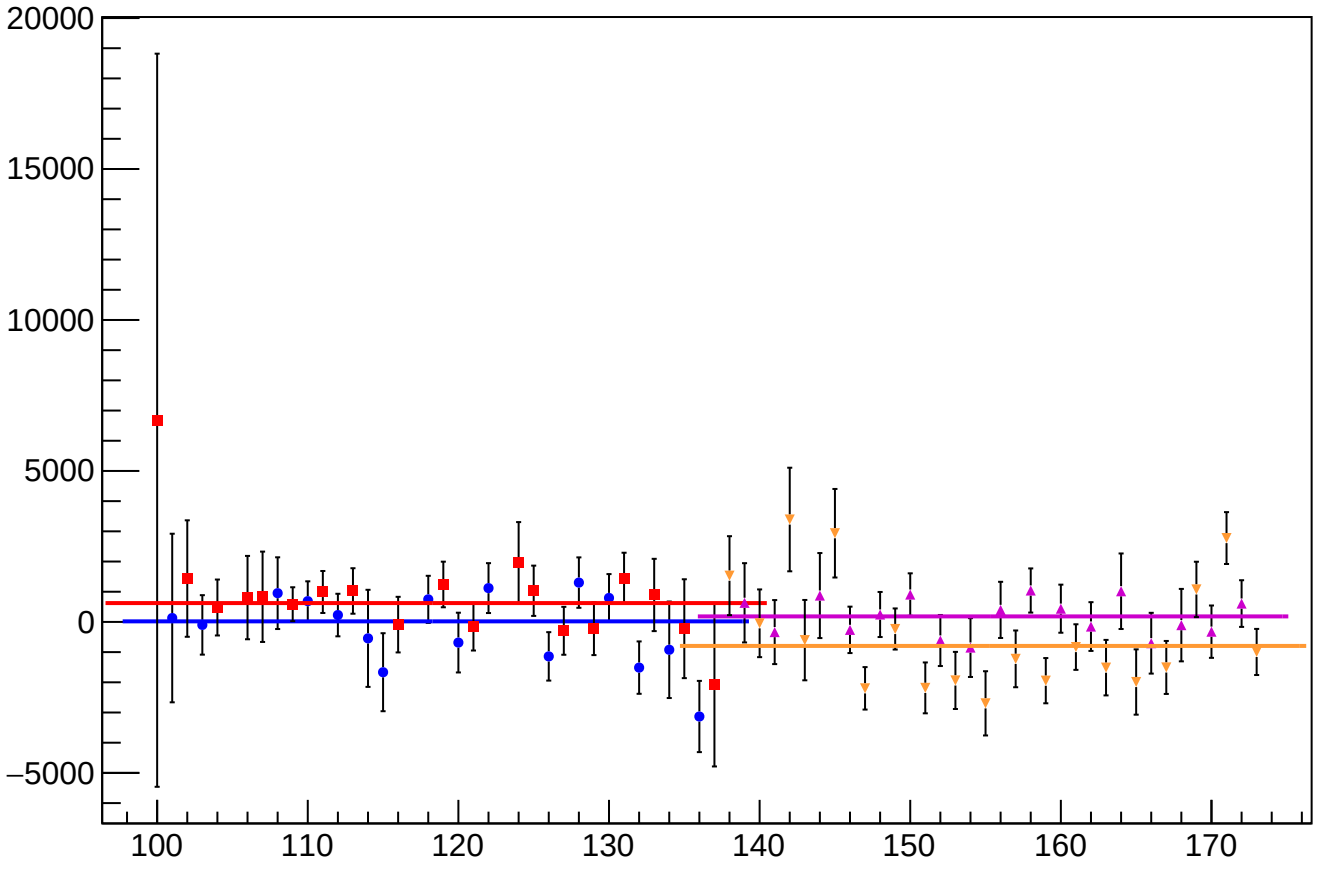
Left: 2732.499+/-0.358 χ^2/NDF: 4162.8/35

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2756.447+/-0.426 χ^2/NDF:754982.6/32

Out: 2751.195+/-0.412 χ^2/NDF:153298.9/37

All: 2753.732+/-0.296 χ^2/NDF: 908359.9/70



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -795.010+/-210.329 χ^2/NDF:54.7/18

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 182.873+/-216.147 χ^2/NDF:7.6/16

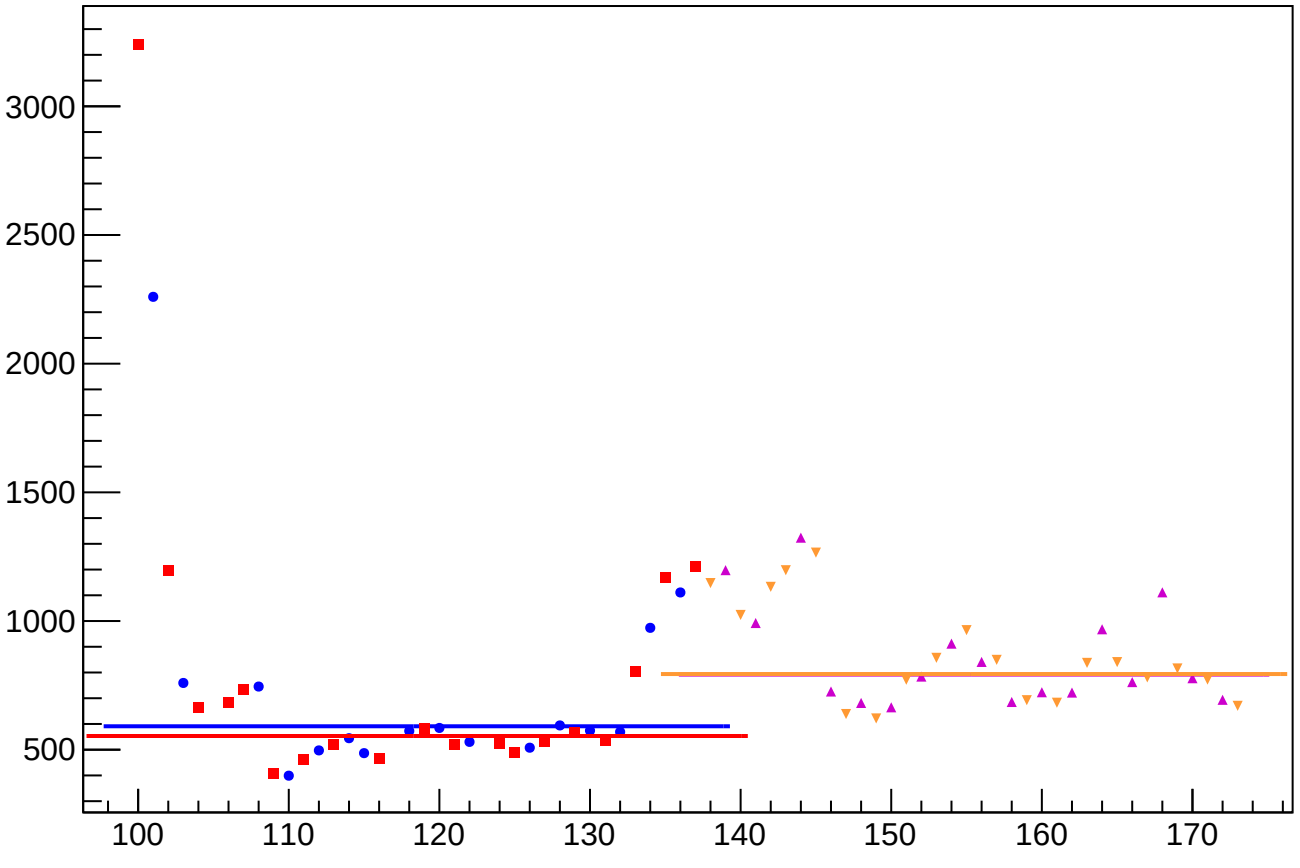
Left: -319.407+/-150.740 χ^2/NDF: 72.9/35

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 107.214+/-158.610 χ^2/NDF:30.7/32

Out: -103.949+/-150.657 χ^2/NDF:86.0/37

All: -3.795+/-109.234 χ^2/NDF: 117.6/70



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 793.987+/-0.149 χ^2/NDF:1137133.9/18

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 791.805+/-0.153 χ^2/NDF:996284.0/16

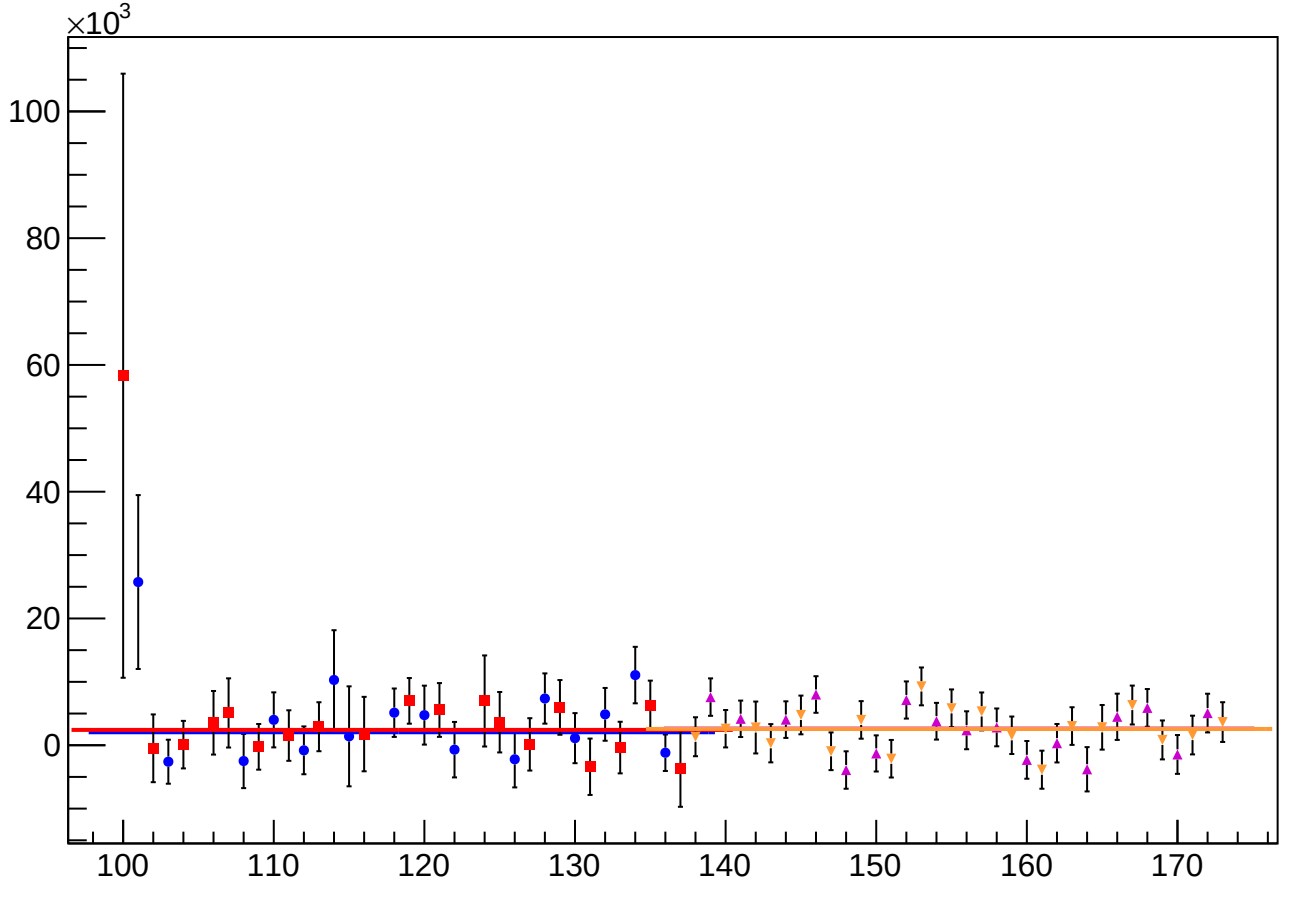
Left: 792.926+/-0.107 χ^2/NDF: 2133522.6/35

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 699.147+/-0.112 χ^2/NDF:3359275.3/32

Out: 676.757+/-0.107 χ^2/NDF:3514766.3/37

All: 687.376+/-0.077 χ^2/NDF: 6894991.8/70



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2569.289+/-704.441 χ^2/NDF:19.3/18

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2625.273+/-729.715 χ^2/NDF:26.7/16

Left: 2596.295+/-506.815 χ^2/NDF: 46.0/35

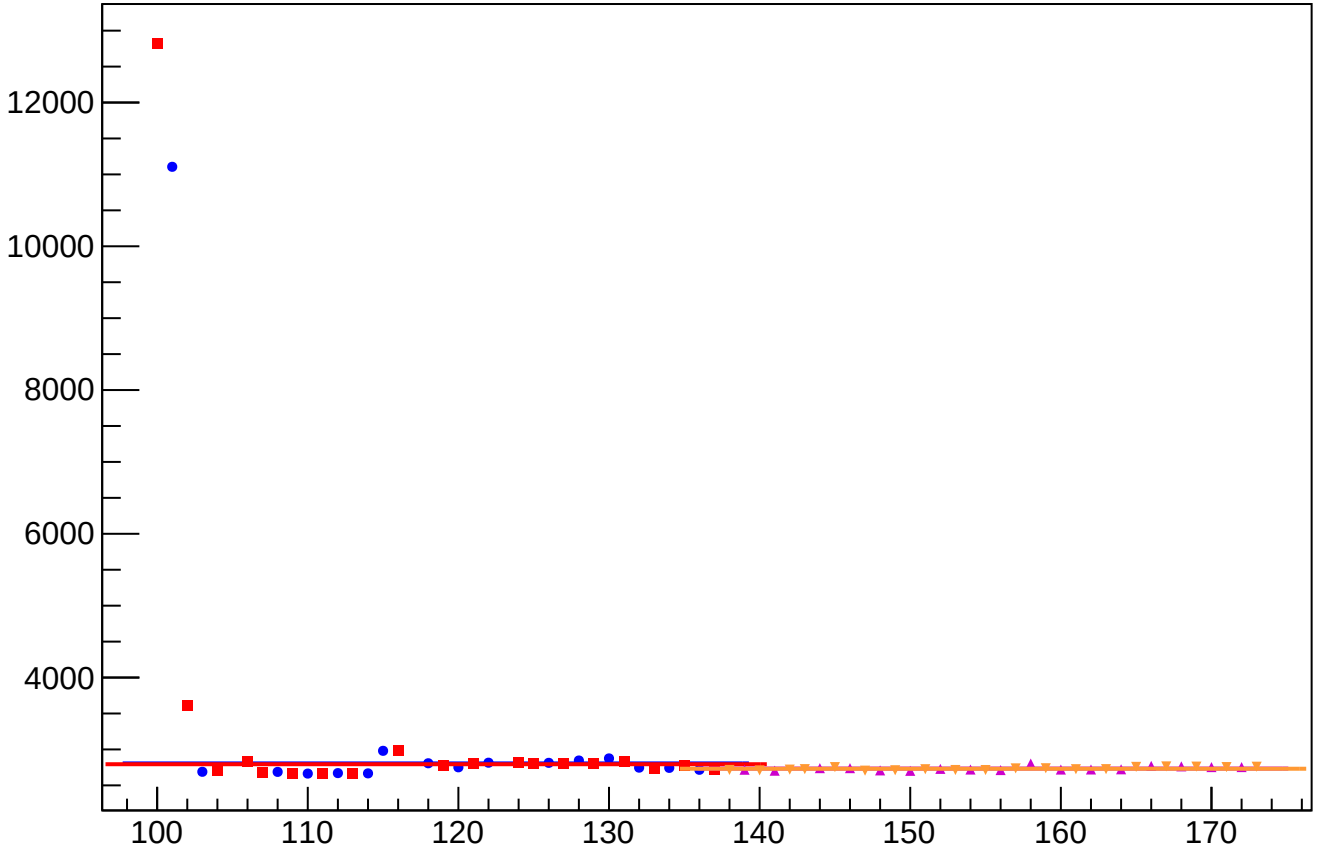
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2442.329+/-602.937 χ^2/NDF:44.7/32

Out: 2521.544+/-582.861 χ^2/NDF:30.1/37

All: 2483.277+/-419.062 χ^2/NDF: 74.8/70

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2731.402+/-0.498 χ^2/NDF:1548.6/18

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2733.675+/-0.516 χ^2/NDF:2604.2/16

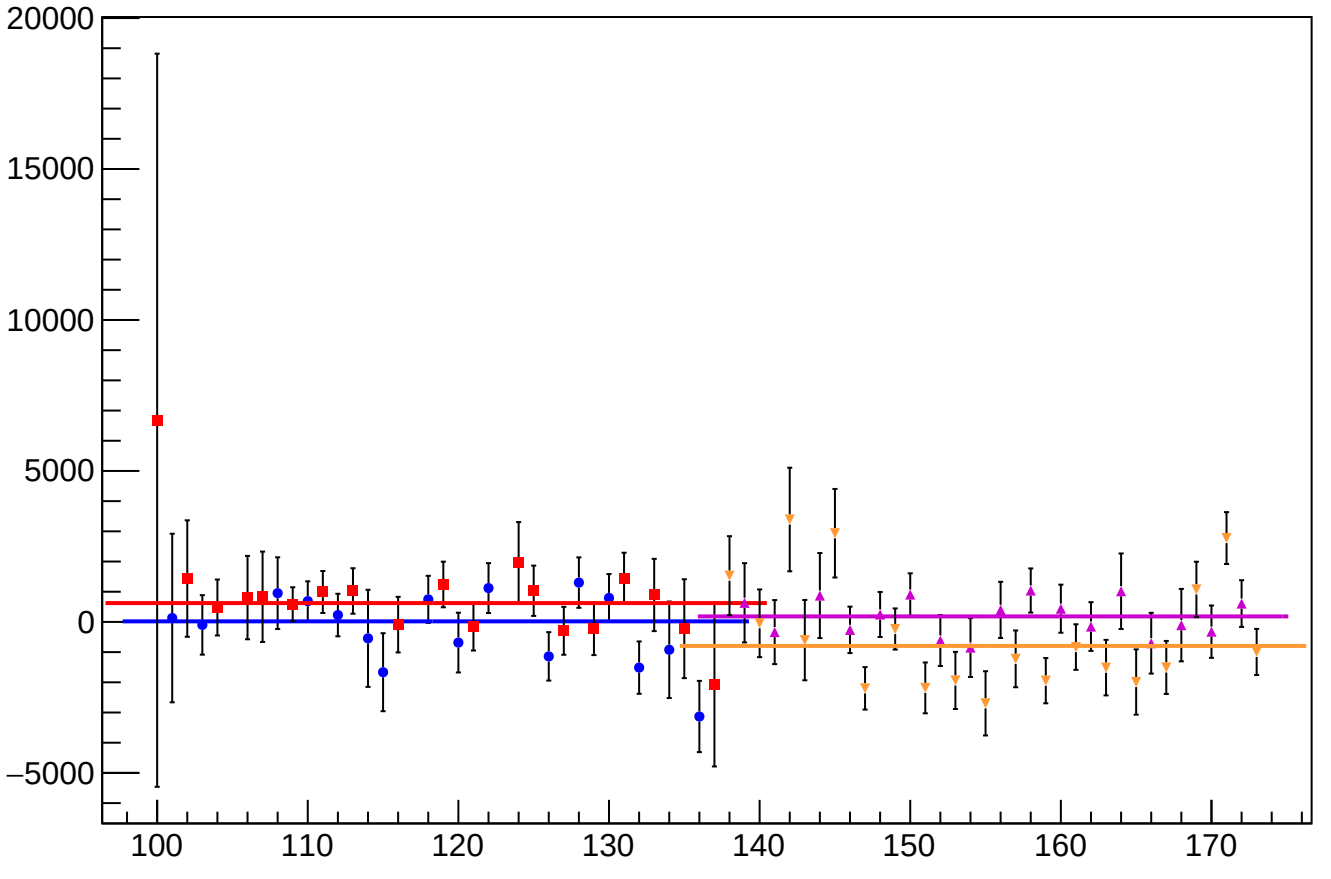
Left: 2732.499+/-0.358 χ^2/NDF: 4162.8/35

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2756.447+/-0.426 χ^2/NDF:754982.6/32

Out: 2751.195+/-0.412 χ^2/NDF:153298.9/37

All: 2753.732+/-0.296 χ^2/NDF: 908359.9/70



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -795.010+/-210.329 χ^2/NDF:54.7/18

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 182.873+/-216.147 χ^2/NDF:7.6/16

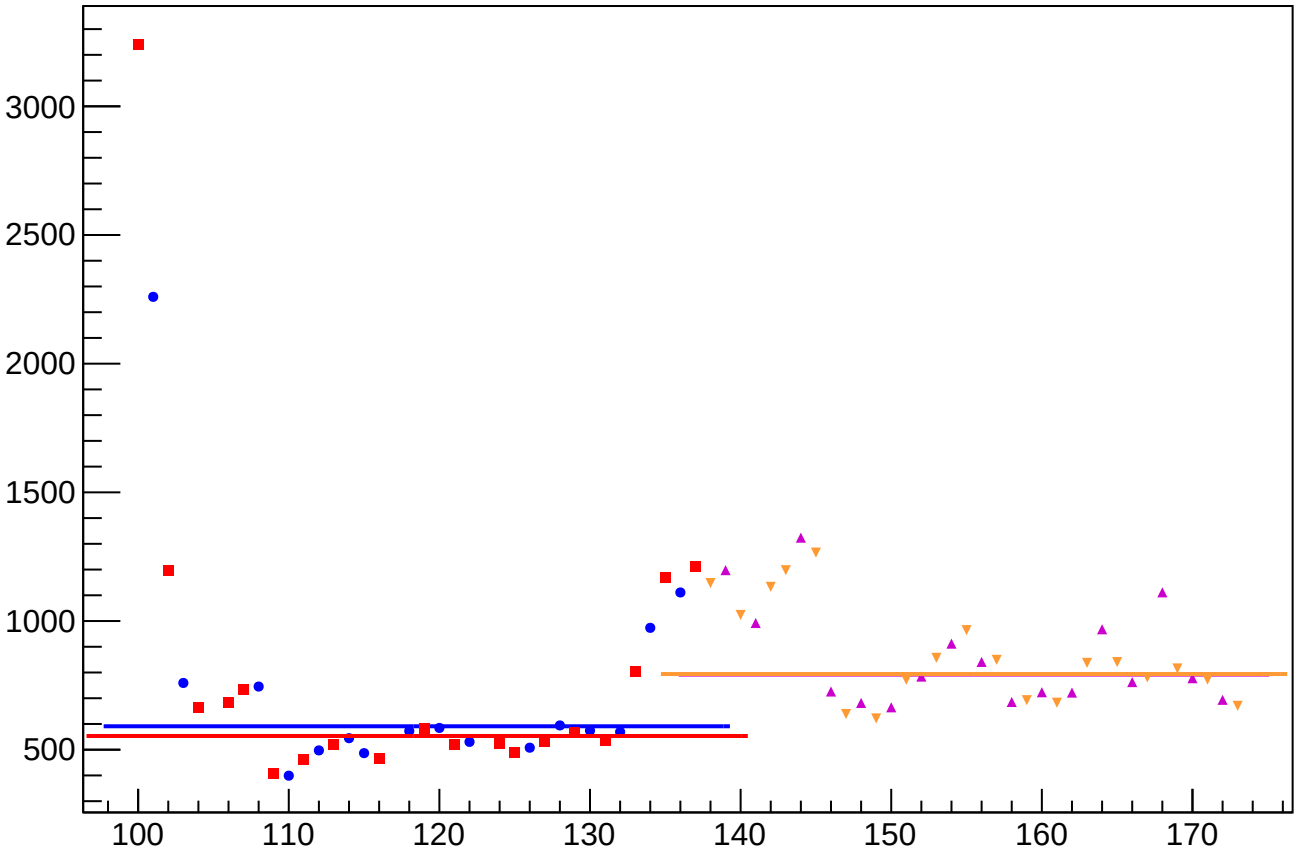
Left: -319.407+/-150.740 χ^2/NDF: 72.9/35

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 107.214+/-158.610 χ^2/NDF:30.7/32

Out: -103.949+/-150.657 χ^2/NDF:86.0/37

All: -3.795+/-109.234 χ^2/NDF: 117.6/70



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 793.987+/-0.149 χ^2/NDF:1137133.9/18

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 791.805+/-0.153 χ^2/NDF:996284.0/16

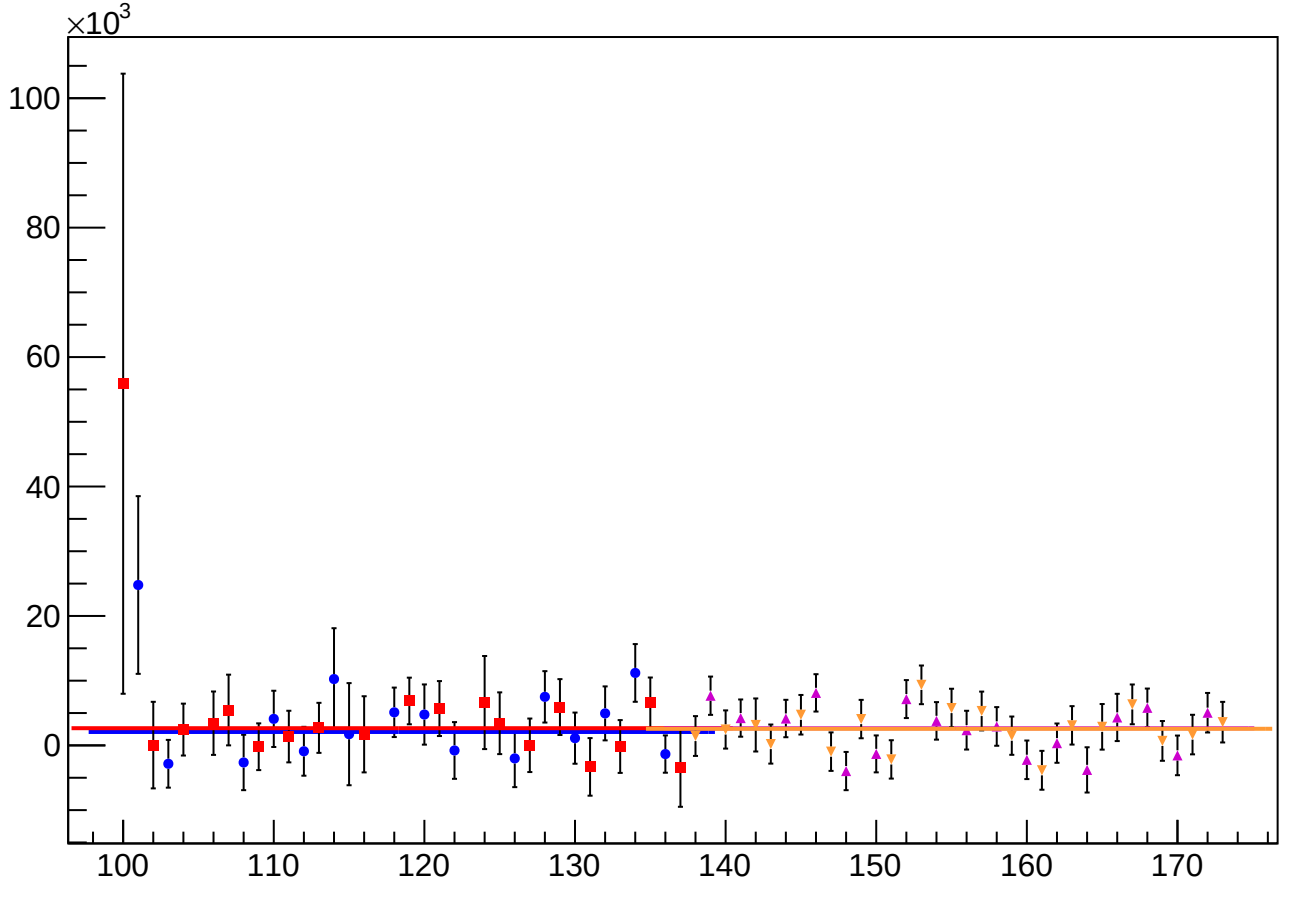
Left: 792.926+/-0.107 χ^2/NDF: 2133522.6/35

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 699.147+/-0.112 χ^2/NDF:3359275.3/32

Out: 676.757+/-0.107 χ^2/NDF:3514766.3/37

All: 687.376+/-0.077 χ^2/NDF: 6894991.8/70



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2565.674+/-704.912 χ^2/NDF:19.4/18

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2639.229+/-730.139 χ^2/NDF:27.0/16

Left: 2601.159+/-507.132 χ^2/NDF: 46.4/35

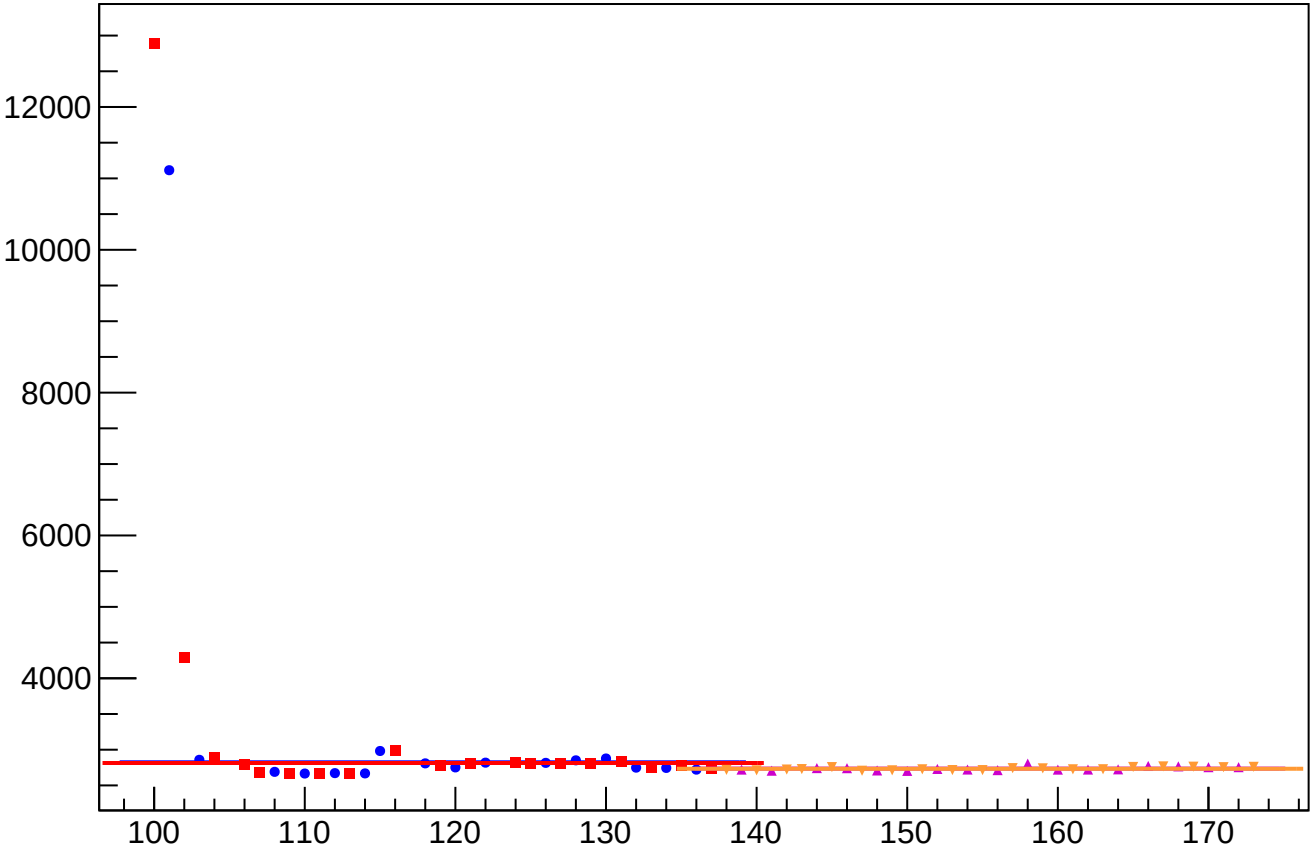
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2461.532+/-604.382 χ^2/NDF:45.1/32

Out: 2594.145+/-585.233 χ^2/NDF:29.4/37

All: 2529.973+/-420.429 χ^2/NDF: 74.5/70

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2733.221+/-0.498 χ^2/NDF:1560.2/18

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2735.255+/-0.516 χ^2/NDF:2614.1/16

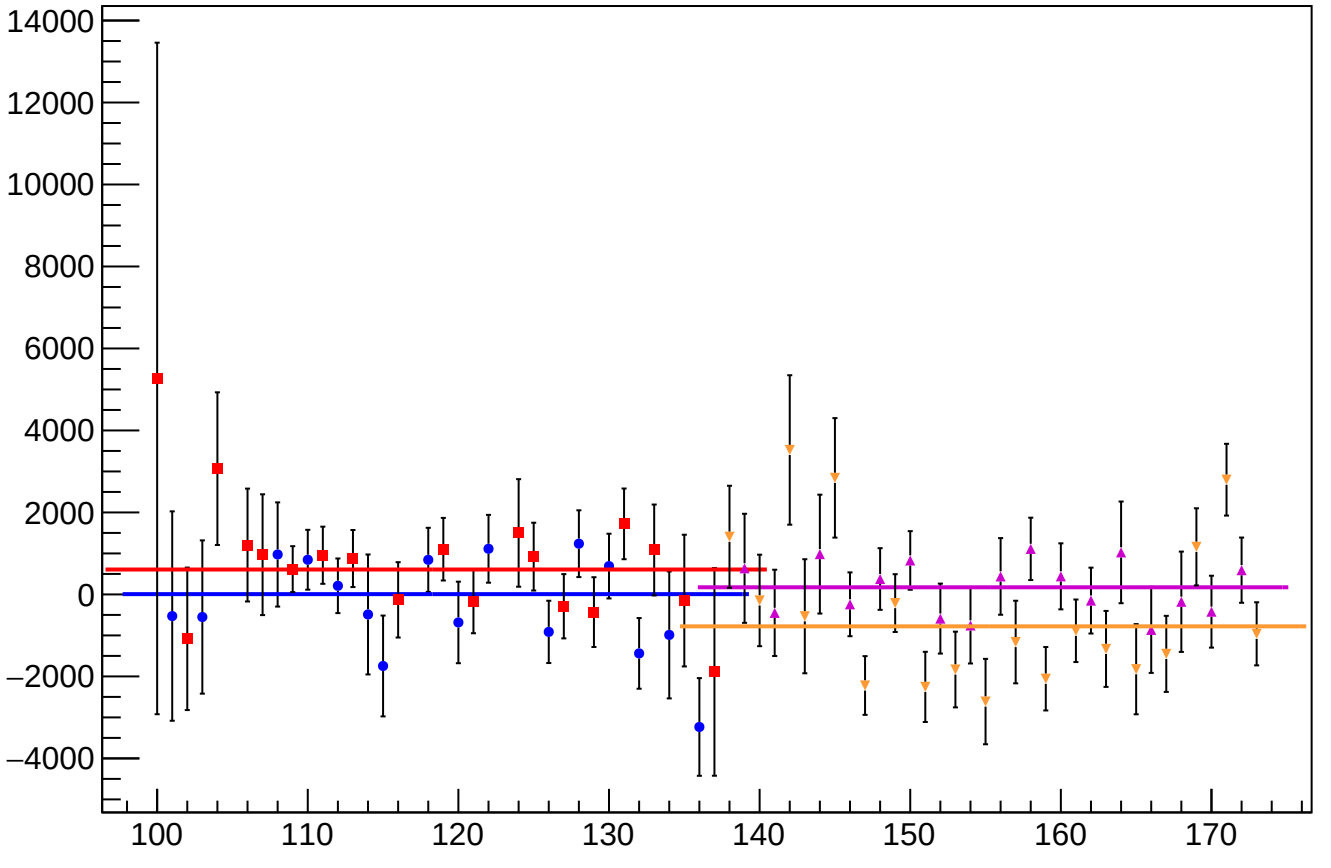
Left: 2734.203+/-0.359 χ^2/NDF: 4182.3/35

Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2763.019+/-0.427 χ^2/NDF:755716.3/32

Out: 2758.267+/-0.414 χ^2/NDF:210197.0/37

All: 2760.566+/-0.297 χ^2/NDF: 965977.0/70



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -778.775+/-214.143 χ^2/NDF:53.0/18

Right Out: 607.647+/-217.093 χ^2/NDF: 12.2/18

Left In: 174.036+/-218.639 χ^2/NDF:7.9/16

Left: -312.267+/-152.987 χ^2/NDF: 70.6/35

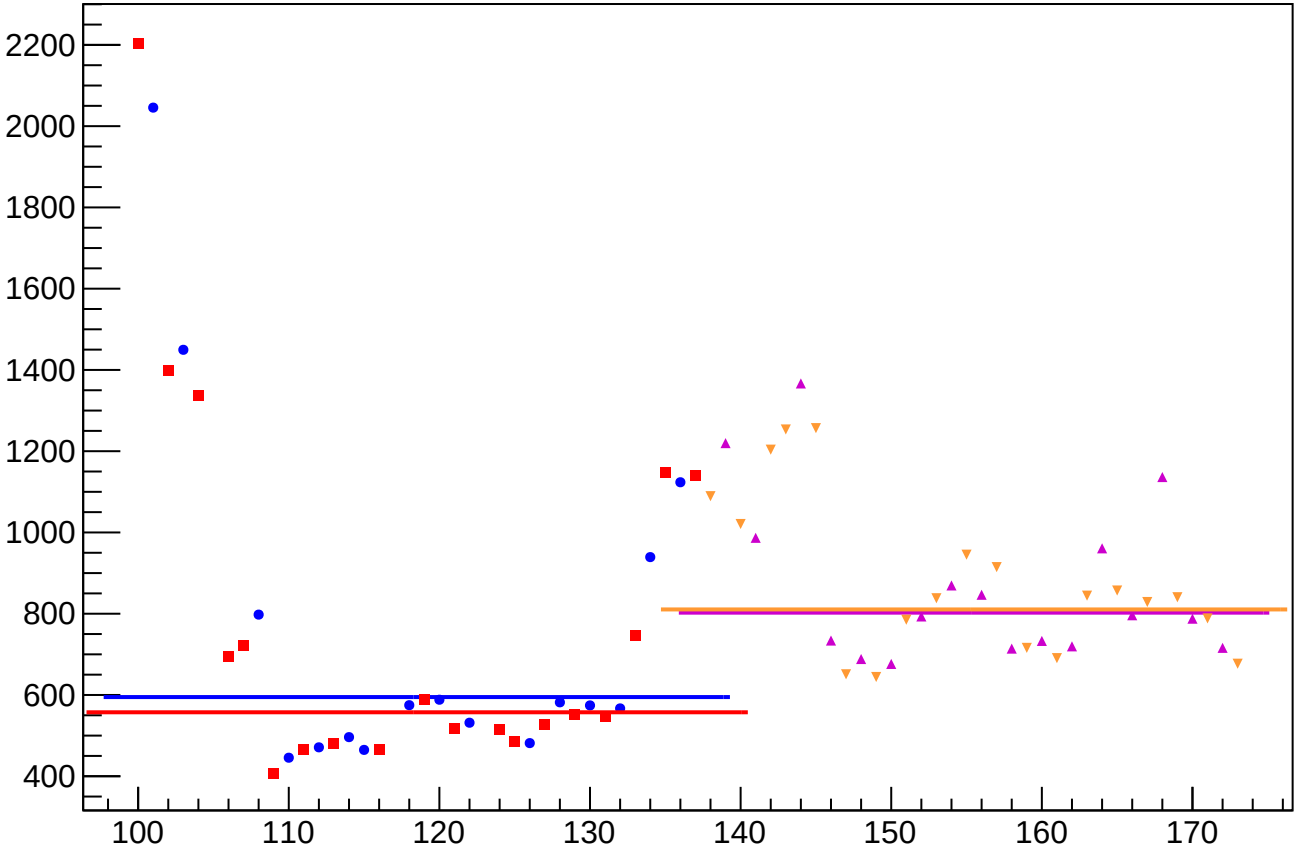
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 97.419+/-160.842 χ^2/NDF:31.0/32

Out: -95.049+/-152.454 χ^2/NDF:85.8/37

All: -3.964+/-110.648 χ^2/NDF: 117.5/70

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 810.519+/-0.151 χ^2/NDF:1073424.8/18

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 802.609+/-0.155 χ^2/NDF:968783.8/16

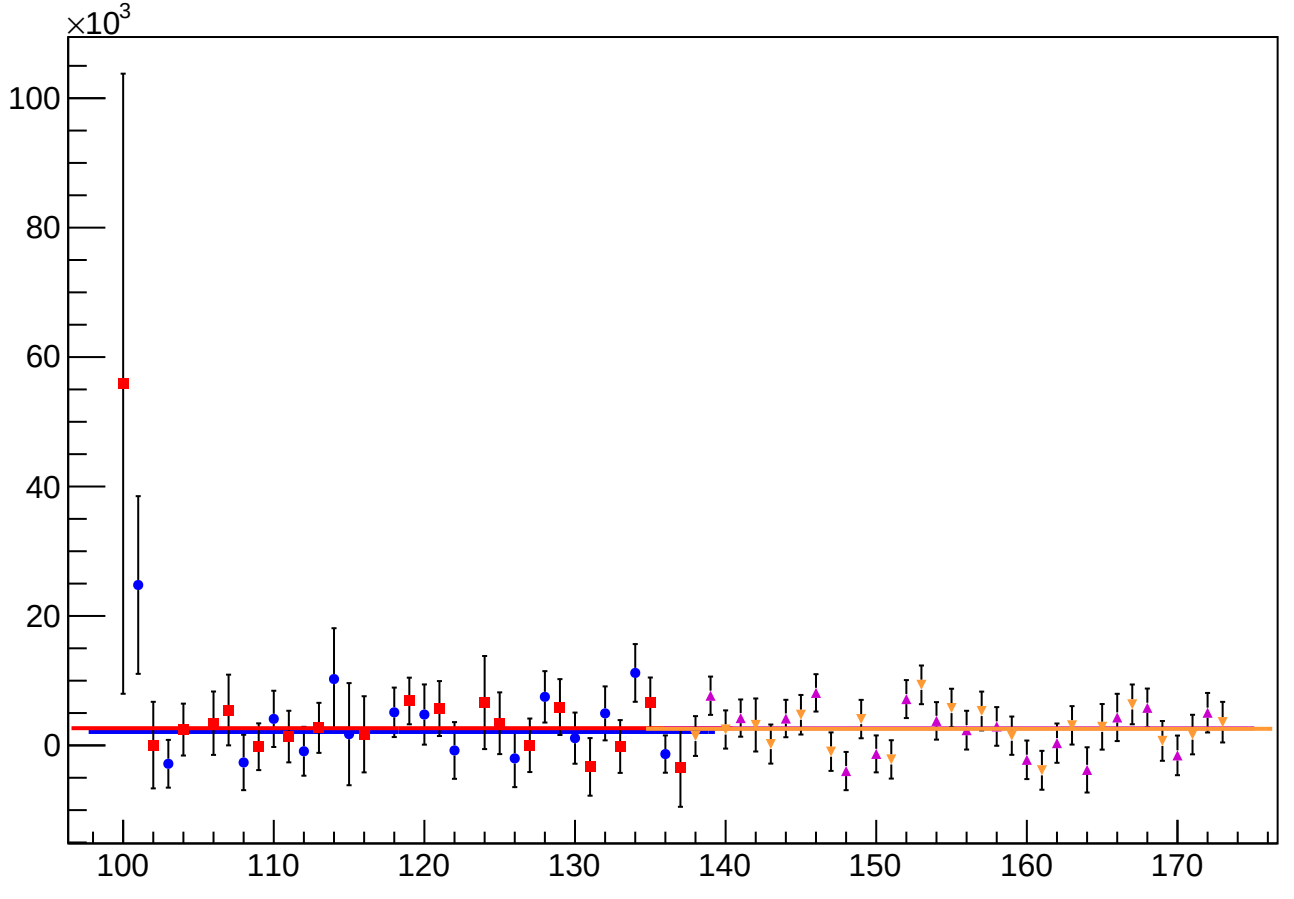
Left: 806.646+/-0.108 χ^2/NDF: 2043544.5/35

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 707.289+/-0.114 χ^2/NDF:3649954.5/32

Out: 685.690+/-0.108 χ^2/NDF:4082792.1/37

All: 695.912+/-0.078 χ^2/NDF: 7751746.0/70



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2565.675+/-704.912 χ^2/NDF:19.4/18

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2639.229+/-730.139 χ^2/NDF:27.0/16

Left: 2601.159+/-507.132 χ^2/NDF: 46.4/35

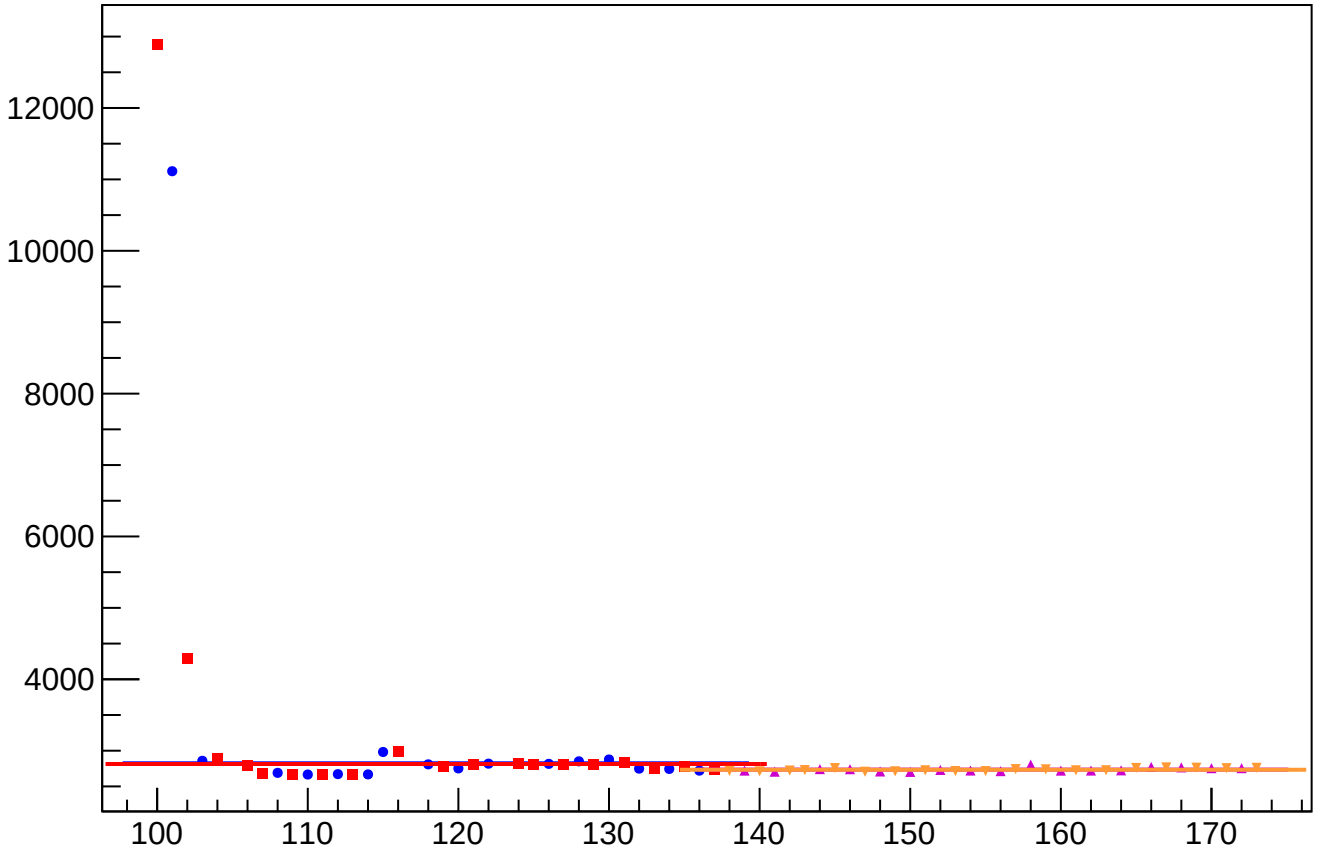
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2461.531+/-604.382 χ^2/NDF:45.1/32

Out: 2594.146+/-585.233 χ^2/NDF:29.4/37

All: 2529.973+/-420.429 χ^2/NDF: 74.5/70

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2733.221+/-0.498 χ^2/NDF:1560.2/18

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2735.255+/-0.516 χ^2/NDF:2614.1/16

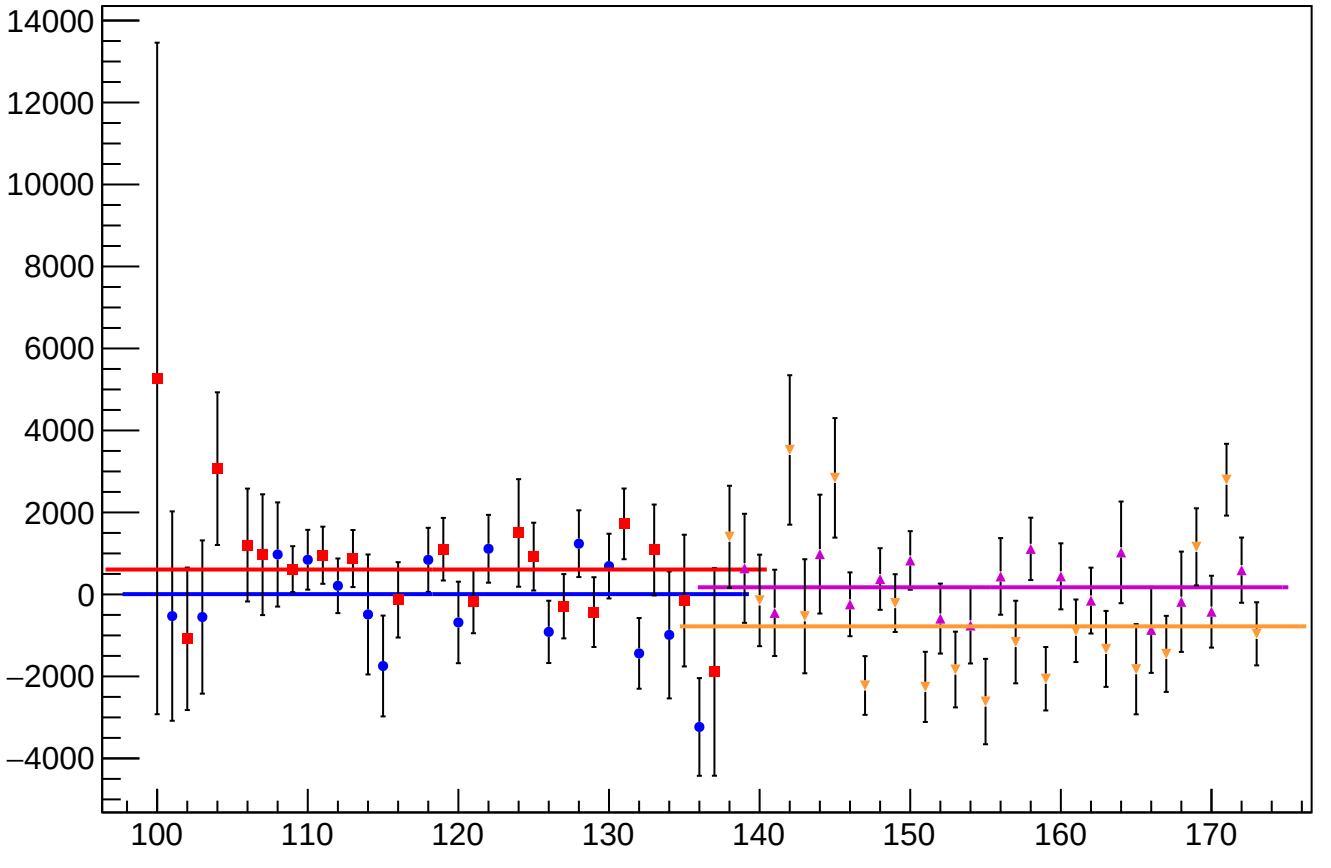
Left: 2734.203+/-0.359 χ^2/NDF: 4182.3/35

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2763.019+/-0.427 χ^2/NDF:755716.2/32

Out: 2758.267+/-0.414 χ^2/NDF:210196.7/37

All: 2760.566+/-0.297 χ^2/NDF: 965976.8/70



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -778.776+/-214.143 χ^2/NDF:53.0/18

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 174.036+/-218.639 χ^2/NDF:7.9/16

Left: -312.267+/-152.987 χ^2/NDF: 70.6/35

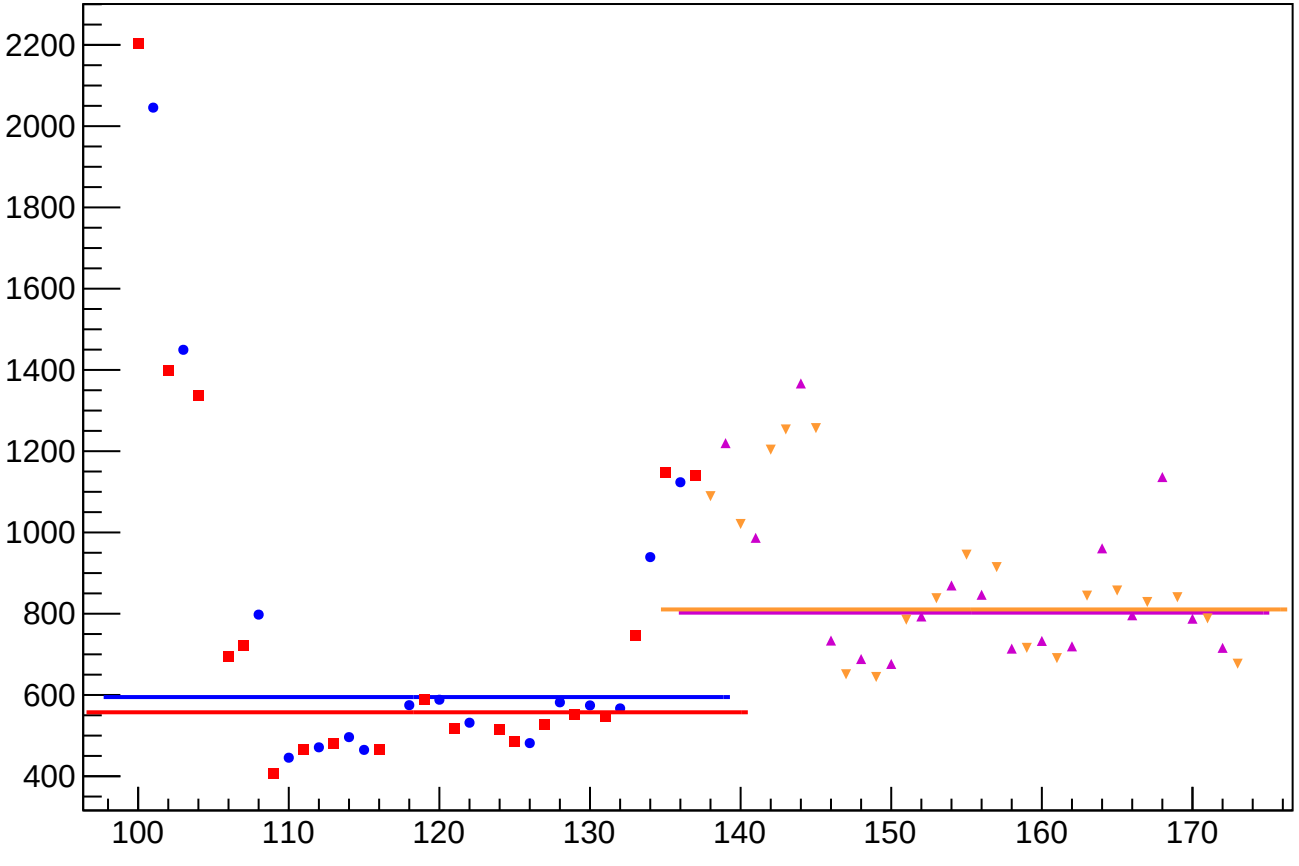
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 97.420+/-160.843 χ^2/NDF:31.0/32

Out: -95.049+/-152.455 χ^2/NDF:85.8/37

All: -3.964+/-110.648 χ^2/NDF: 117.5/70

asym_atr1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 810.519+/-0.151 χ^2/NDF:1073427.0/18

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 802.609+/-0.155 χ^2/NDF:968787.2/16

Left: 806.646+/-0.108 χ^2/NDF: 2043550.2/35

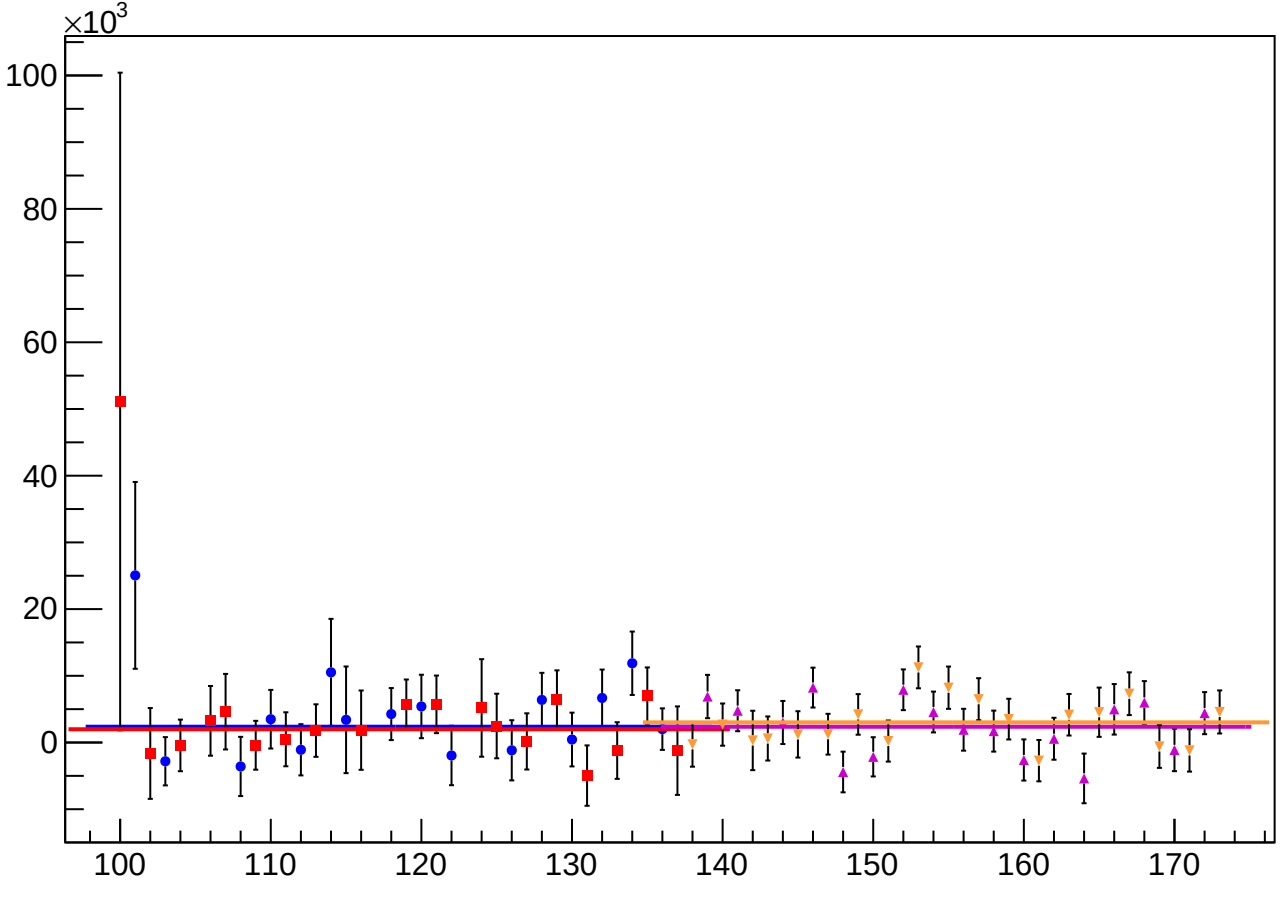
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 707.290+/-0.114 χ^2/NDF:3649948.4/32

Out: 685.690+/-0.108 χ^2/NDF:4082791.4/37

All: 695.912+/-0.078 χ^2/NDF: 7751739.4/70

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 3021.153+/-742.675 χ^2/NDF:23.1/18

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 2362.529+/-767.505 χ^2/NDF:28.3/16

Left: 2702.667+/-533.713 χ^2/NDF: 51.7/35

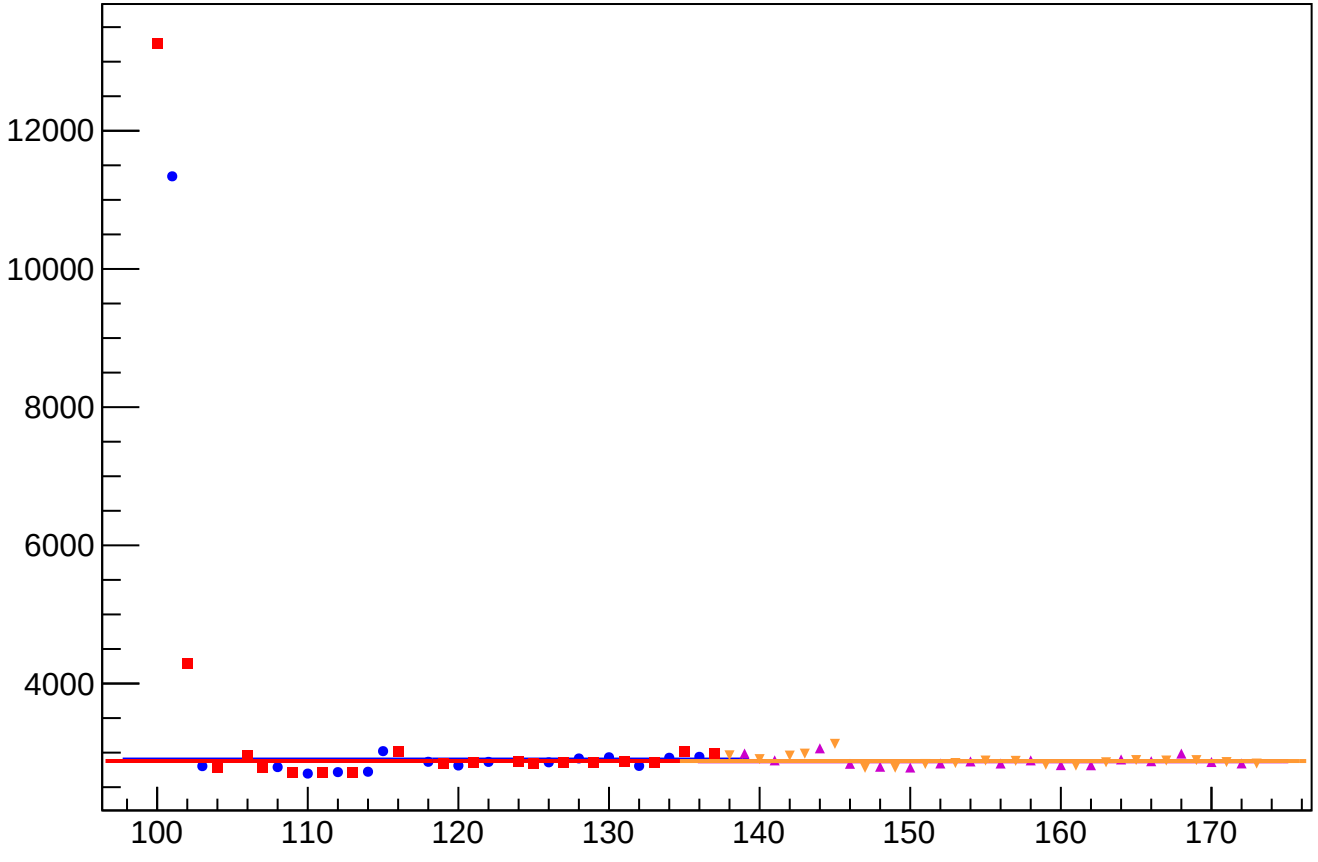
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2364.038+/-630.590 χ^2/NDF:45.1/32

Out: 2687.178+/-611.092 χ^2/NDF:34.0/37

All: 2530.681+/-438.839 χ^2/NDF: 79.2/70

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2878.294+/-0.525 χ^2/NDF:20896.6/18

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2874.256+/-0.543 χ^2/NDF:17174.0/16

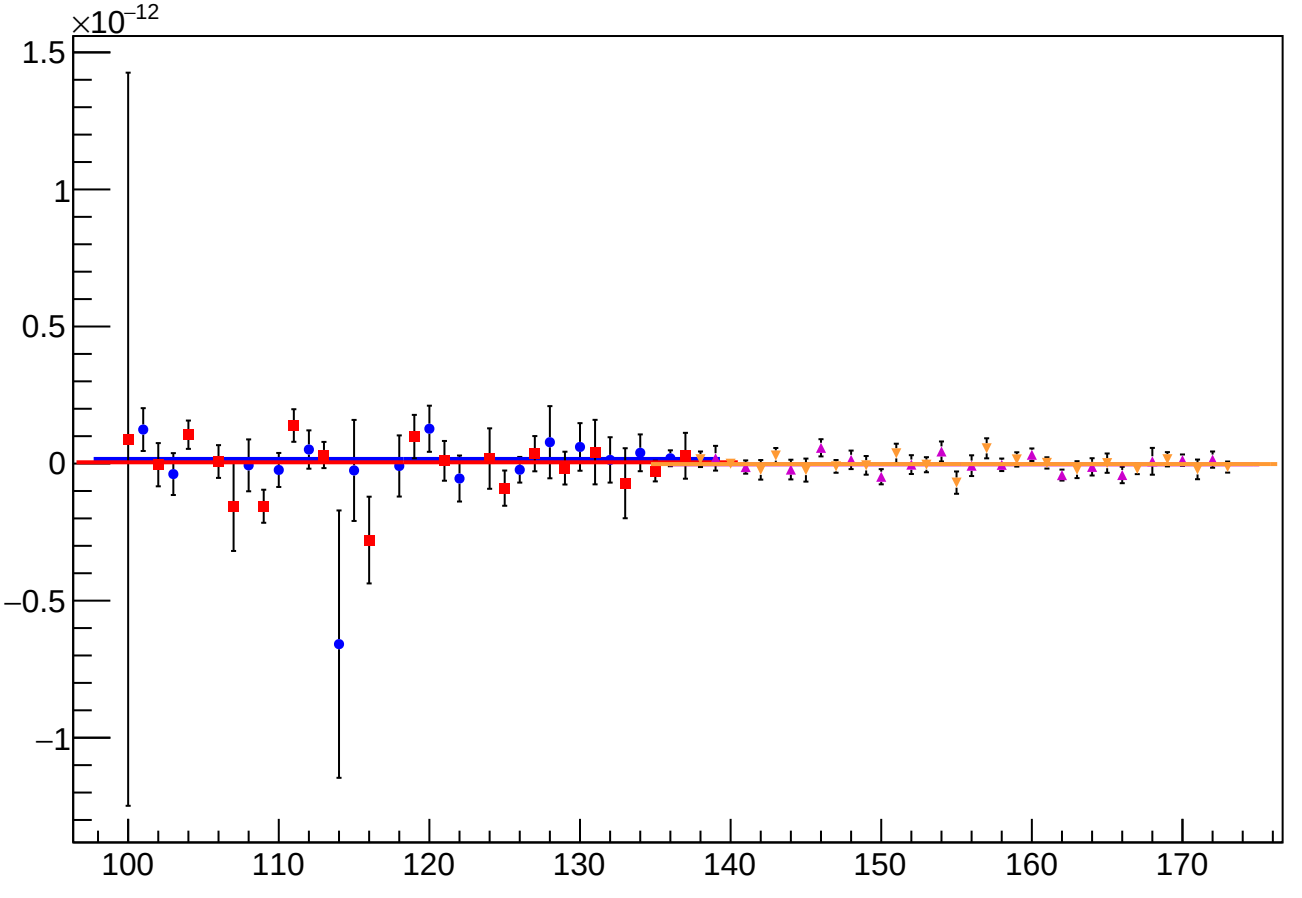
Left: 2876.341+/-0.377 χ^2/NDF: 38099.2/35

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2882.566+/-0.446 χ^2/NDF:759713.6/32

Out: 2878.508+/-0.432 χ^2/NDF:214179.5/37

All: 2880.473+/-0.310 χ^2/NDF: 973935.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:17.9/16

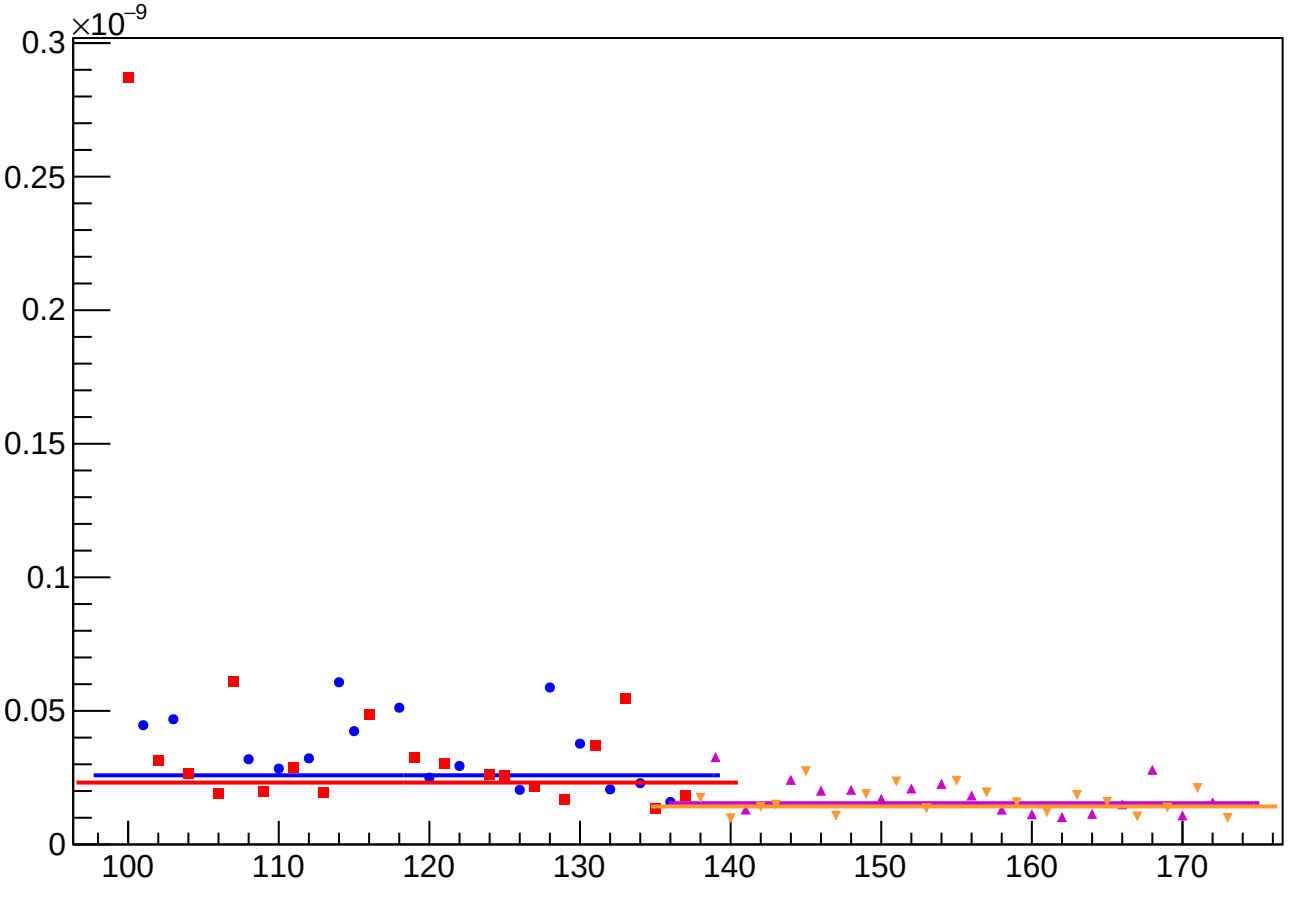
Left: -0.000+/-0.000 χ^2/NDF: 29.6/35

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: 0.000+/-0.000 χ^2/NDF:27.9/32

Out: -0.000+/-0.000 χ^2/NDF:37.6/37

All: -0.000+/-0.000 χ^2/NDF: 65.5/70



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1028342.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1150451.4/16

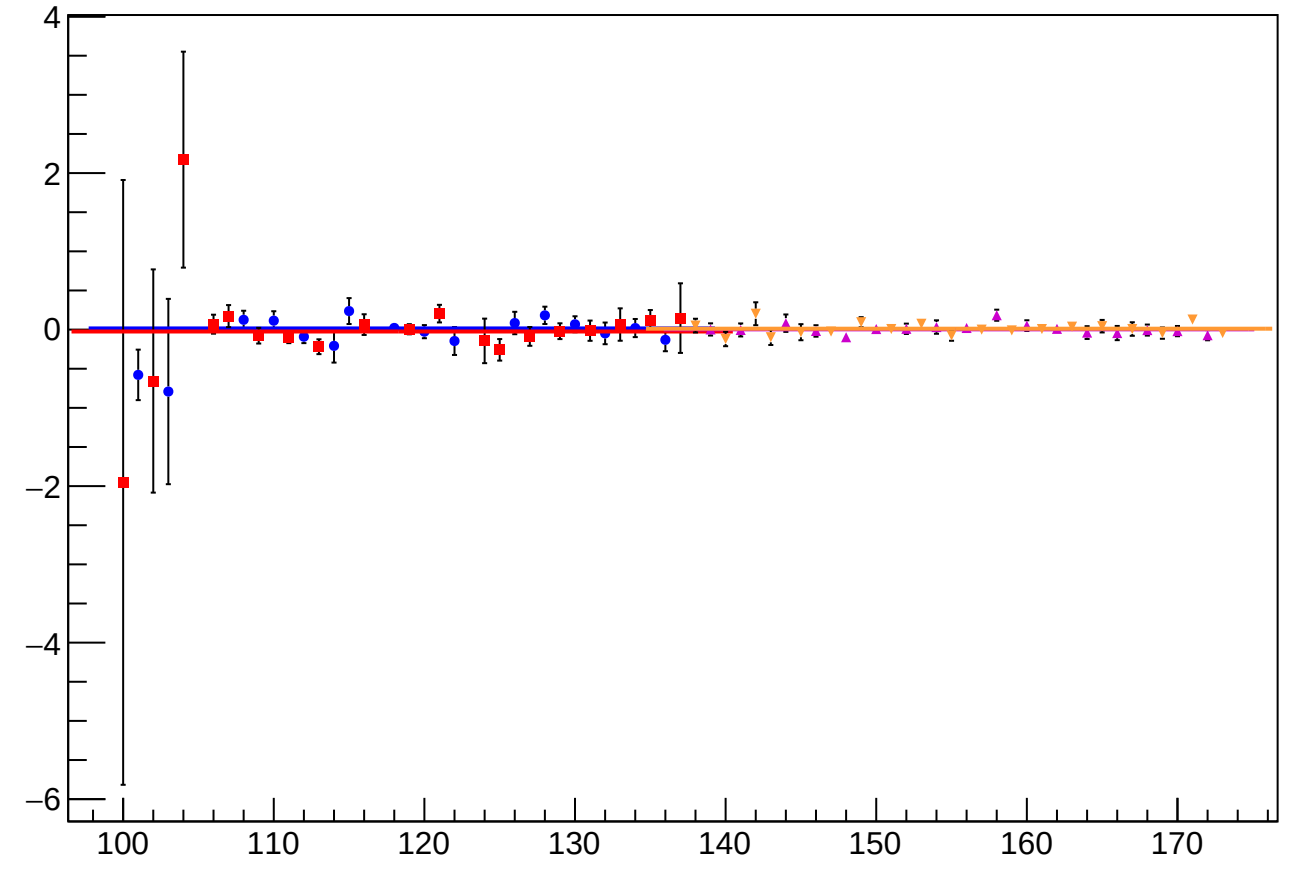
Left: 0.000+/-0.000 χ^2/NDF: 2213512.1/35

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:2670859.2/32

Out: 0.000+/-0.000 χ^2/NDF:2281169.4/37

All: 0.000+/-0.000 χ^2/NDF: 5015093.7/70



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.012+/-0.016 χ^2/NDF:16.1/18

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.003+/-0.017 χ^2/NDF:12.3/16

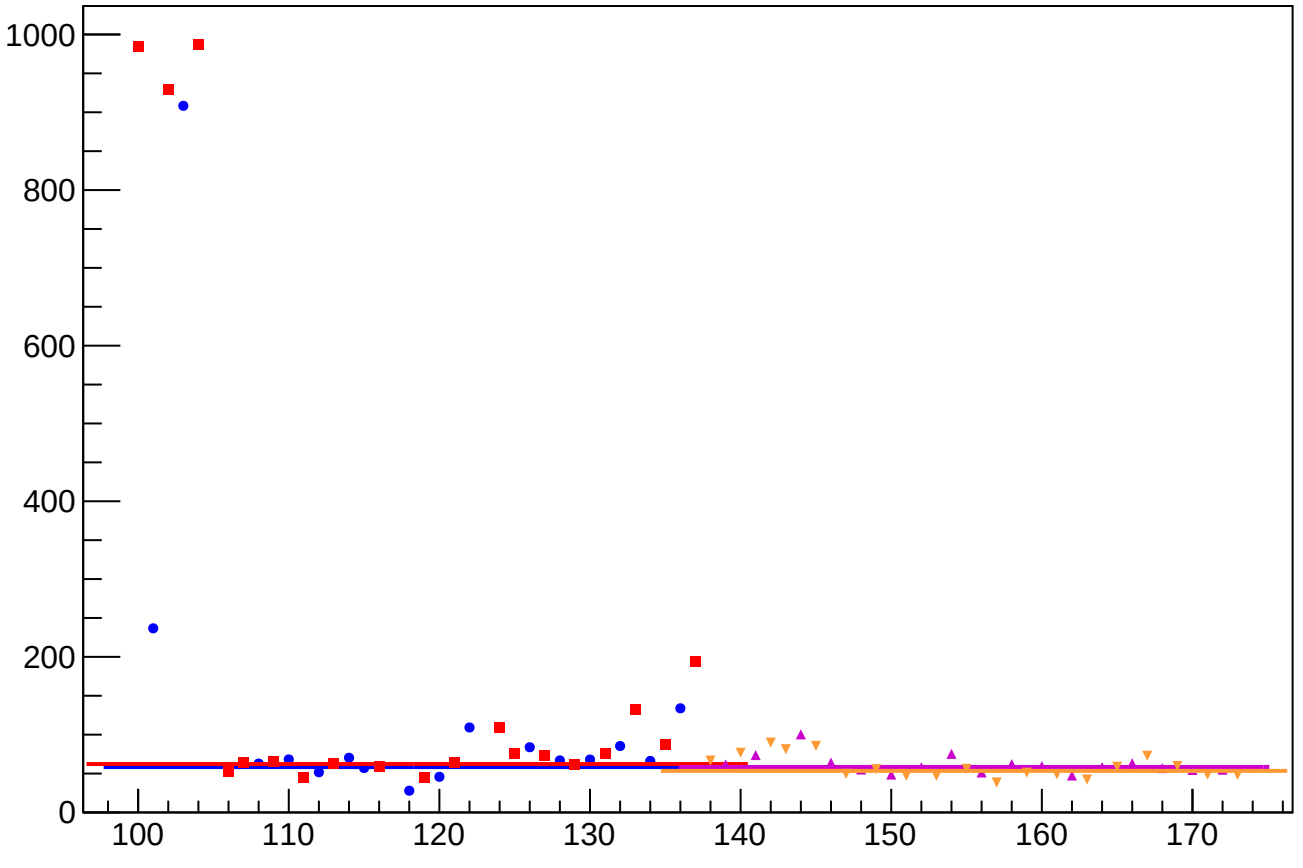
Left: 0.008+/-0.012 χ^2/NDF: 28.5/35

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.006+/-0.015 χ^2/NDF:27.4/32

Out: 0.003+/-0.014 χ^2/NDF:38.1/37

All: 0.005+/-0.010 χ^2/NDF: 65.6/70



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.441+/-0.011 χ^2/NDF:1089809.9/18

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.466+/-0.012 χ^2/NDF:630496.0/16

Left: 55.735+/-0.008 χ^2/NDF: 1814223.3/35

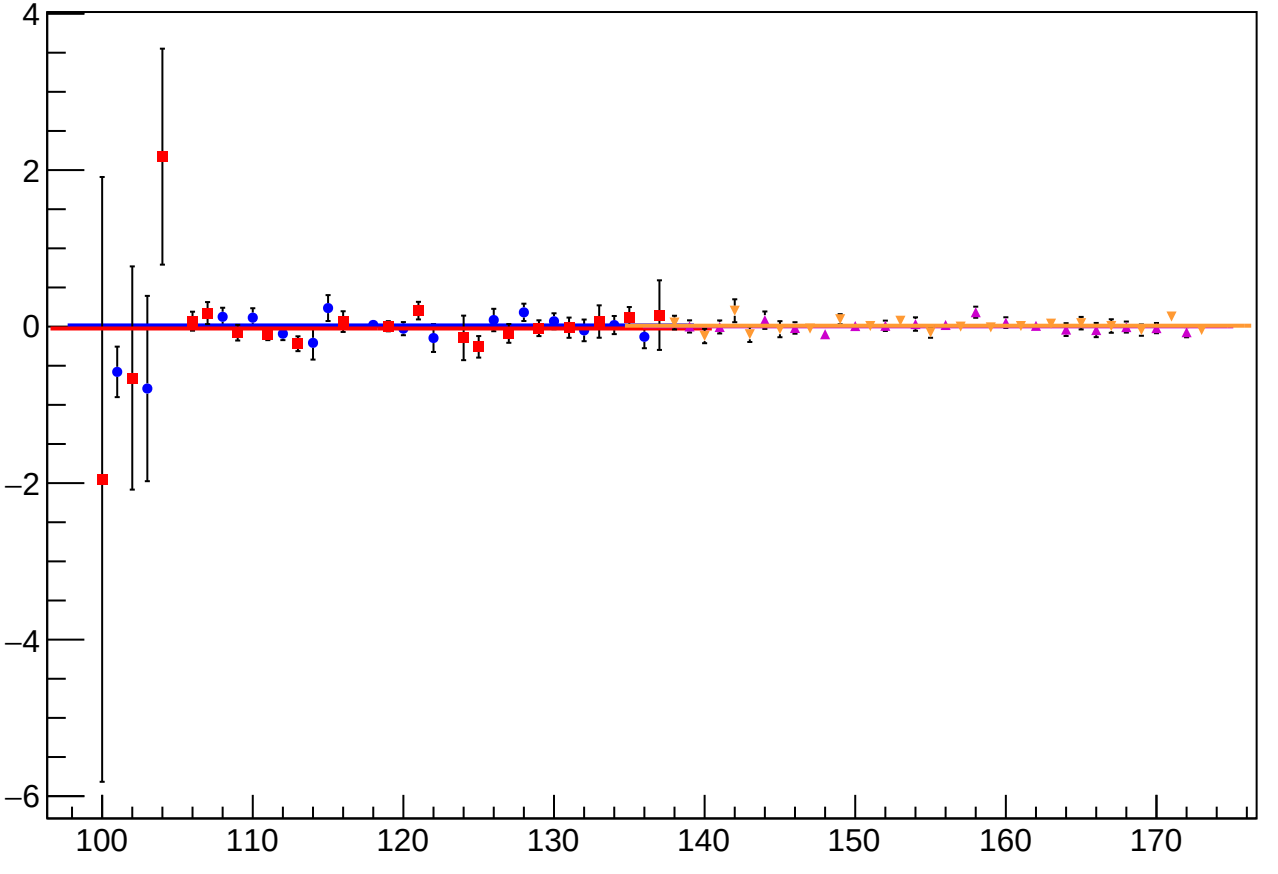
Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.424+/-0.010 χ^2/NDF:3890944.3/32

Out: 55.535+/-0.010 χ^2/NDF:3866874.0/37

All: 56.888+/-0.007 χ^2/NDF: 7799637.5/70

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: 0.012+/-0.016 χ^2/NDF:16.1/18

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.003+/-0.017 χ^2/NDF:12.3/16

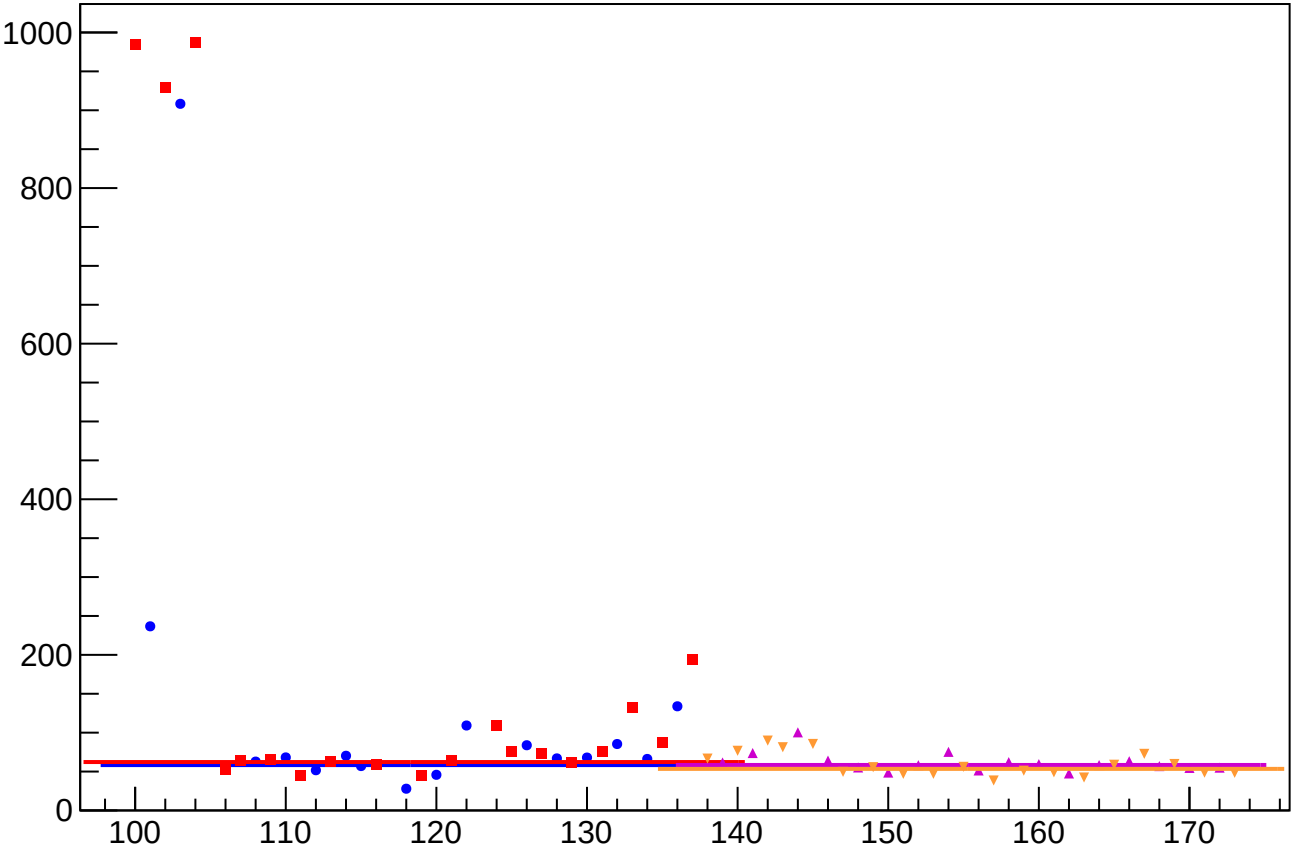
Left: 0.008+/-0.012 χ^2/NDF: 28.5/35

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.006+/-0.015 χ^2/NDF:27.4/32

Out: 0.003+/-0.014 χ^2/NDF:38.1/37

All: 0.005+/-0.010 χ^2/NDF: 65.6/70



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.441+/-0.011 χ^2/NDF:1089809.9/18

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.466+/-0.012 χ^2/NDF:630496.0/16

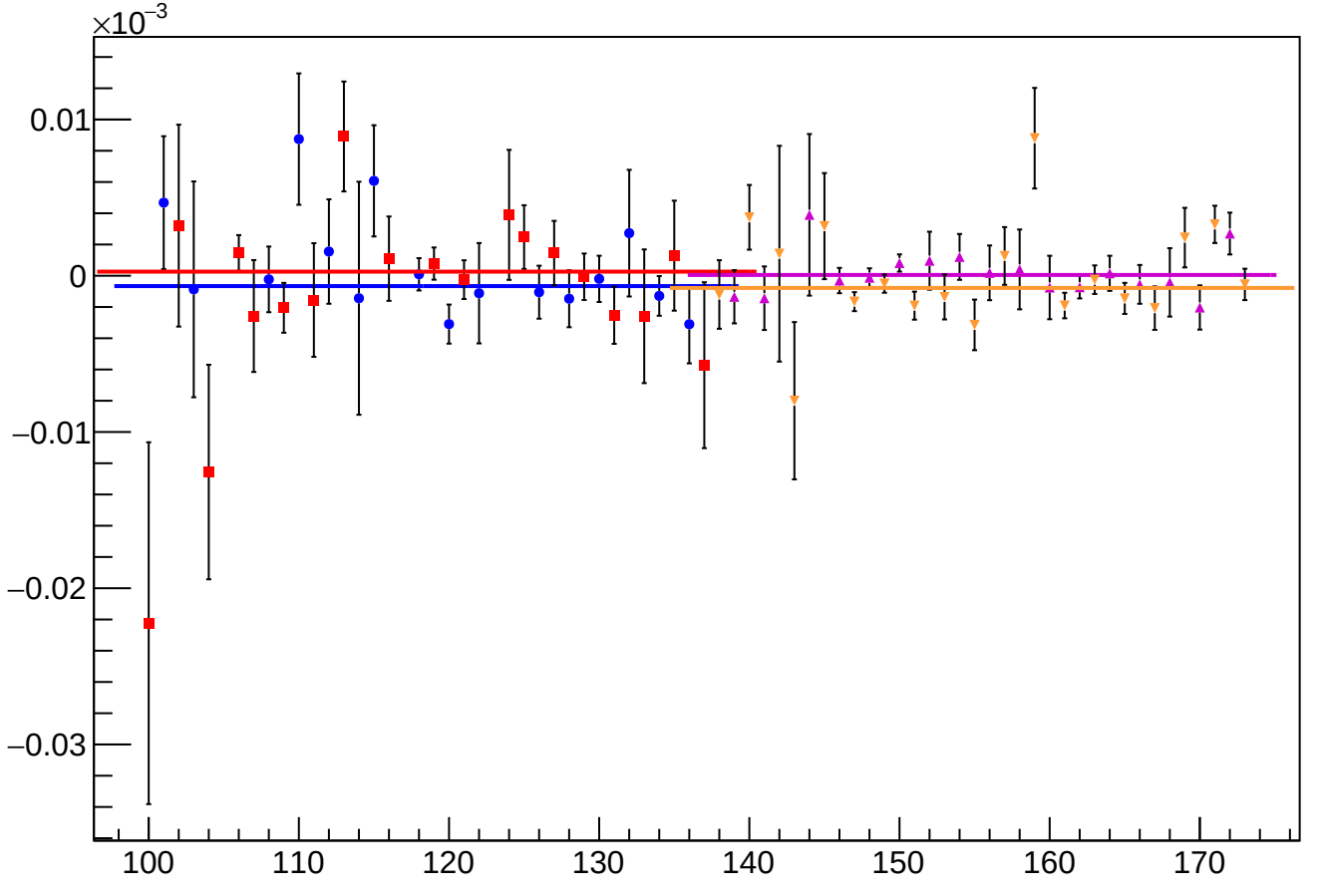
Left: 55.735+/-0.008 χ^2/NDF: 1814223.3/35

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.424+/-0.010 χ^2/NDF:3890944.3/32

Out: 55.535+/-0.010 χ^2/NDF:3866874.0/37

All: 56.888+/-0.007 χ^2/NDF: 7799637.5/70



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: 0.000+/-0.000 χ^2/NDF:12.6/16

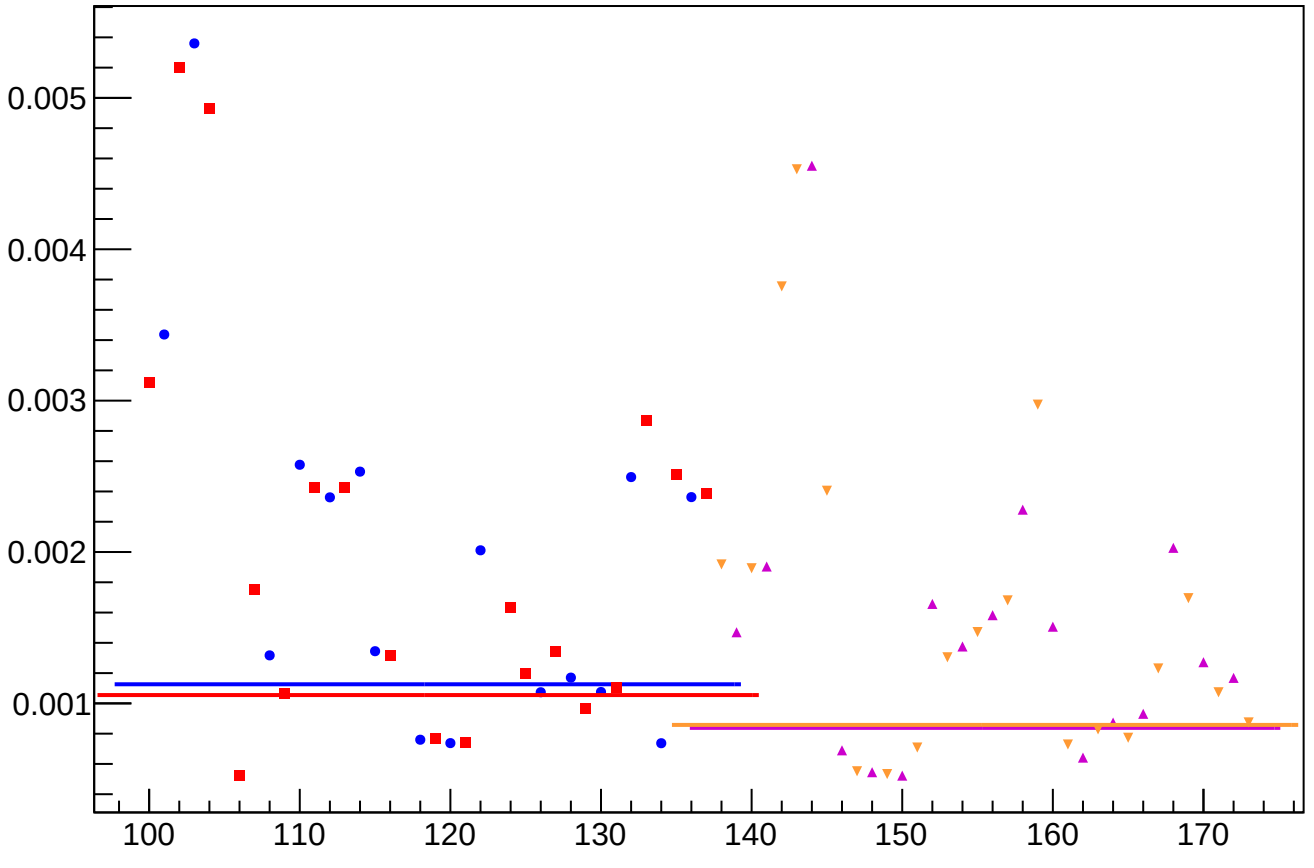
Left: -0.000+/-0.000 χ^2/NDF: 60.3/35

Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:31.4/32

Out: -0.000+/-0.000 χ^2/NDF:71.1/37

All: -0.000+/-0.000 χ^2/NDF: 104.2/70



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:6383913.7/18

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.001+/-0.000 χ^2/NDF:5994951.2/16

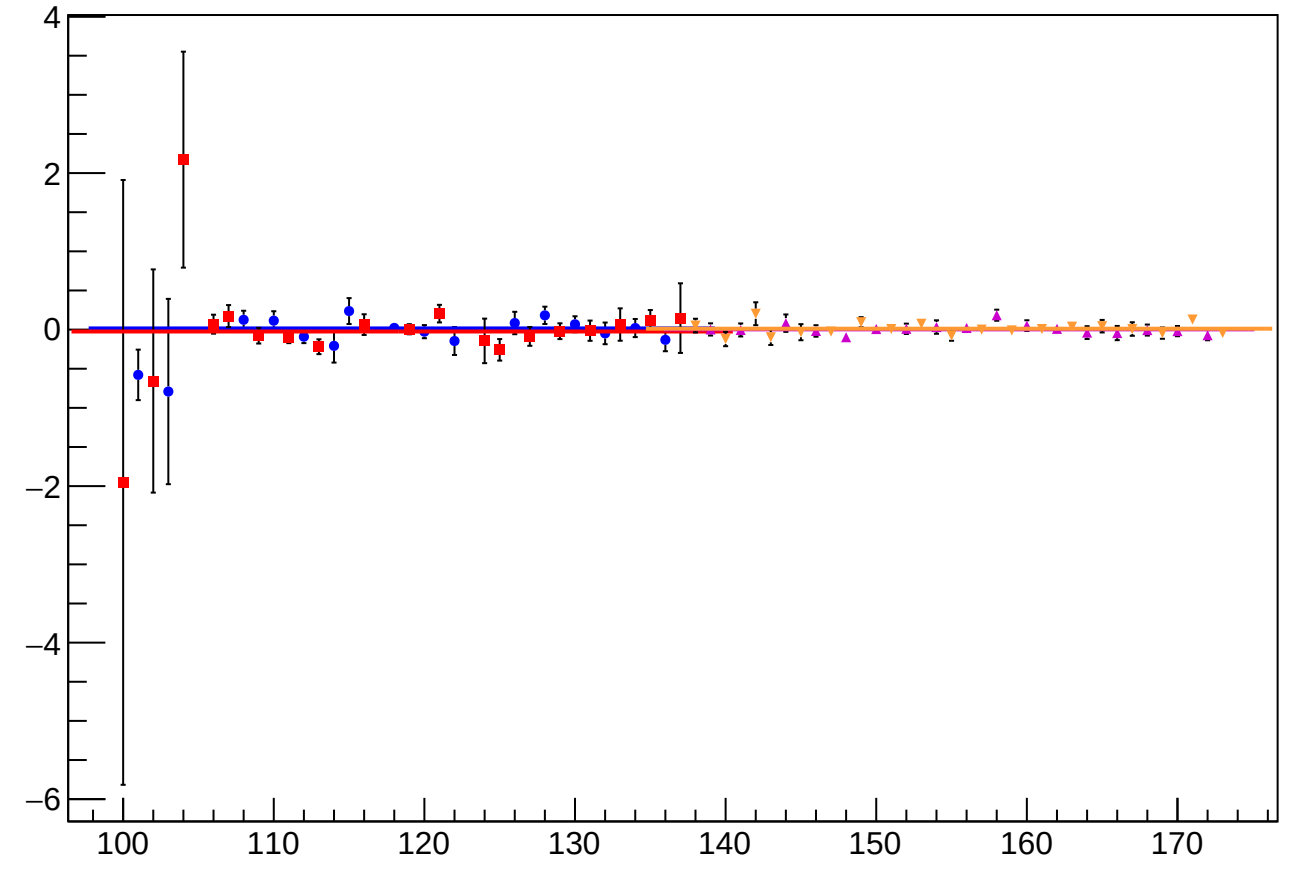
Left: 0.001+/-0.000 χ^2/NDF: 12384478.6/35

Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:9983611.2/32

Out: 0.001+/-0.000 χ^2/NDF:10507289.4/37

All: 0.001+/-0.000 χ^2/NDF: 20490945.5/70



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.012+/-0.016 χ^2/NDF:16.1/18

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.003+/-0.017 χ^2/NDF:12.3/16

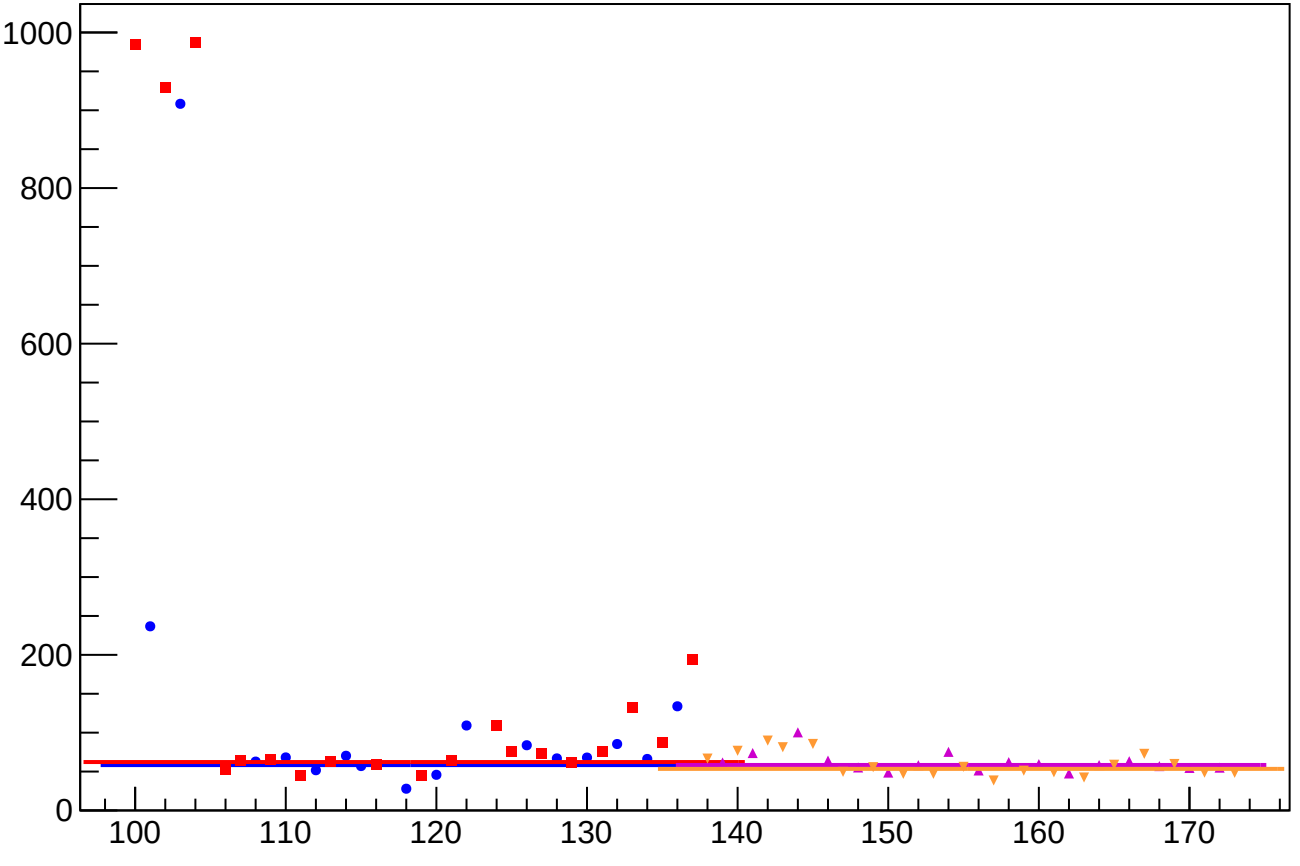
Left: 0.008+/-0.012 χ^2/NDF: 28.5/35

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.006+/-0.015 χ^2/NDF:27.4/32

Out: 0.003+/-0.014 χ^2/NDF:38.1/37

All: 0.005+/-0.010 χ^2/NDF: 65.6/70



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 53.440+/-0.011 χ^2/NDF:1089874.5/18

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.466+/-0.012 χ^2/NDF:630518.3/16

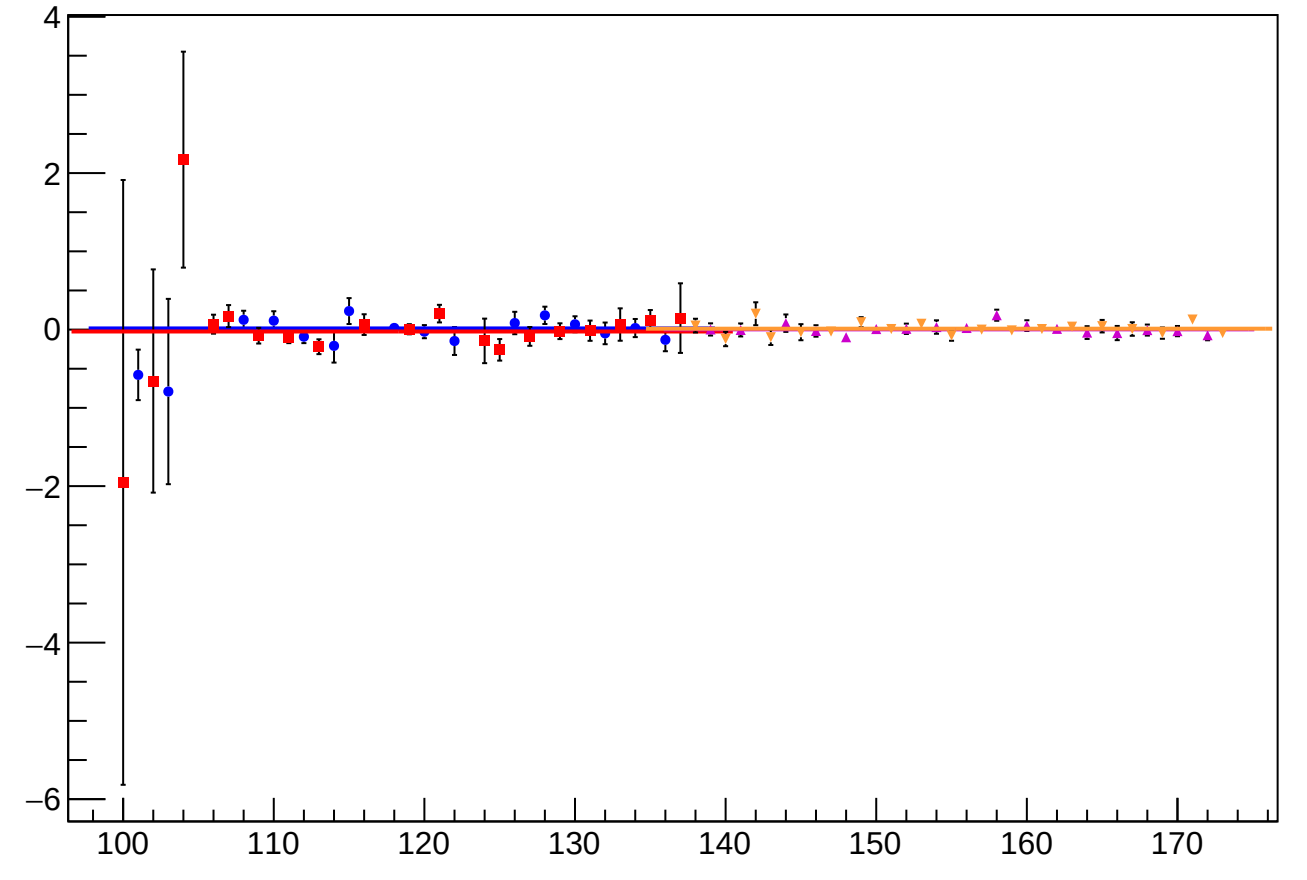
Left: 55.734+/-0.008 χ^2/NDF: 1814331.3/35

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.424+/-0.010 χ^2/NDF:3891047.0/32

Out: 55.534+/-0.010 χ^2/NDF:3866943.0/37

All: 56.888+/-0.007 χ^2/NDF: 7799816.4/70



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.012+/-0.016 χ^2/NDF:16.1/18

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.003+/-0.017 χ^2/NDF:12.3/16

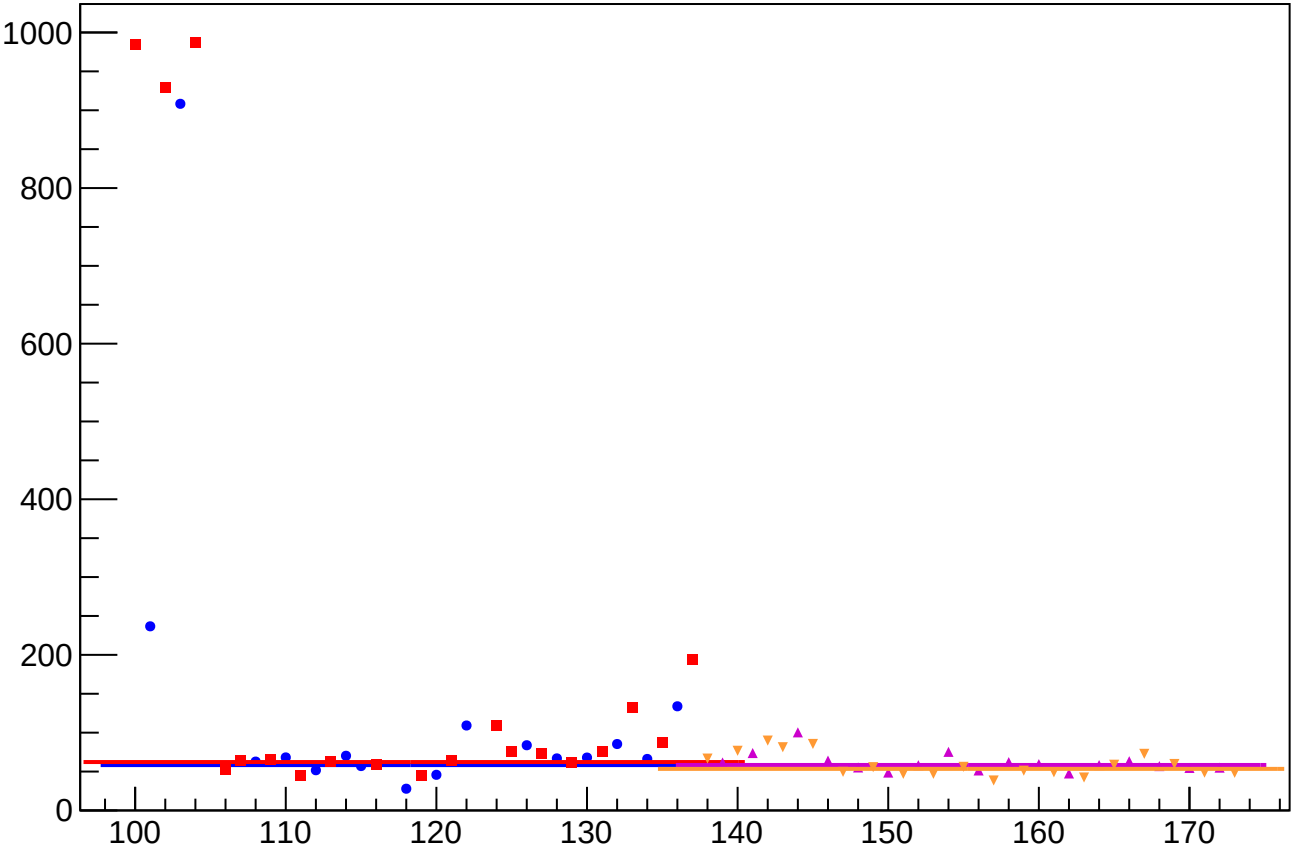
Left: 0.008+/-0.012 χ^2/NDF: 28.5/35

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.006+/-0.015 χ^2/NDF:27.4/32

Out: 0.003+/-0.014 χ^2/NDF:38.1/37

All: 0.005+/-0.010 χ^2/NDF: 65.6/70



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 53.440+/-0.011 χ^2/NDF:1089874.5/18

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.466+/-0.012 χ^2/NDF:630518.3/16

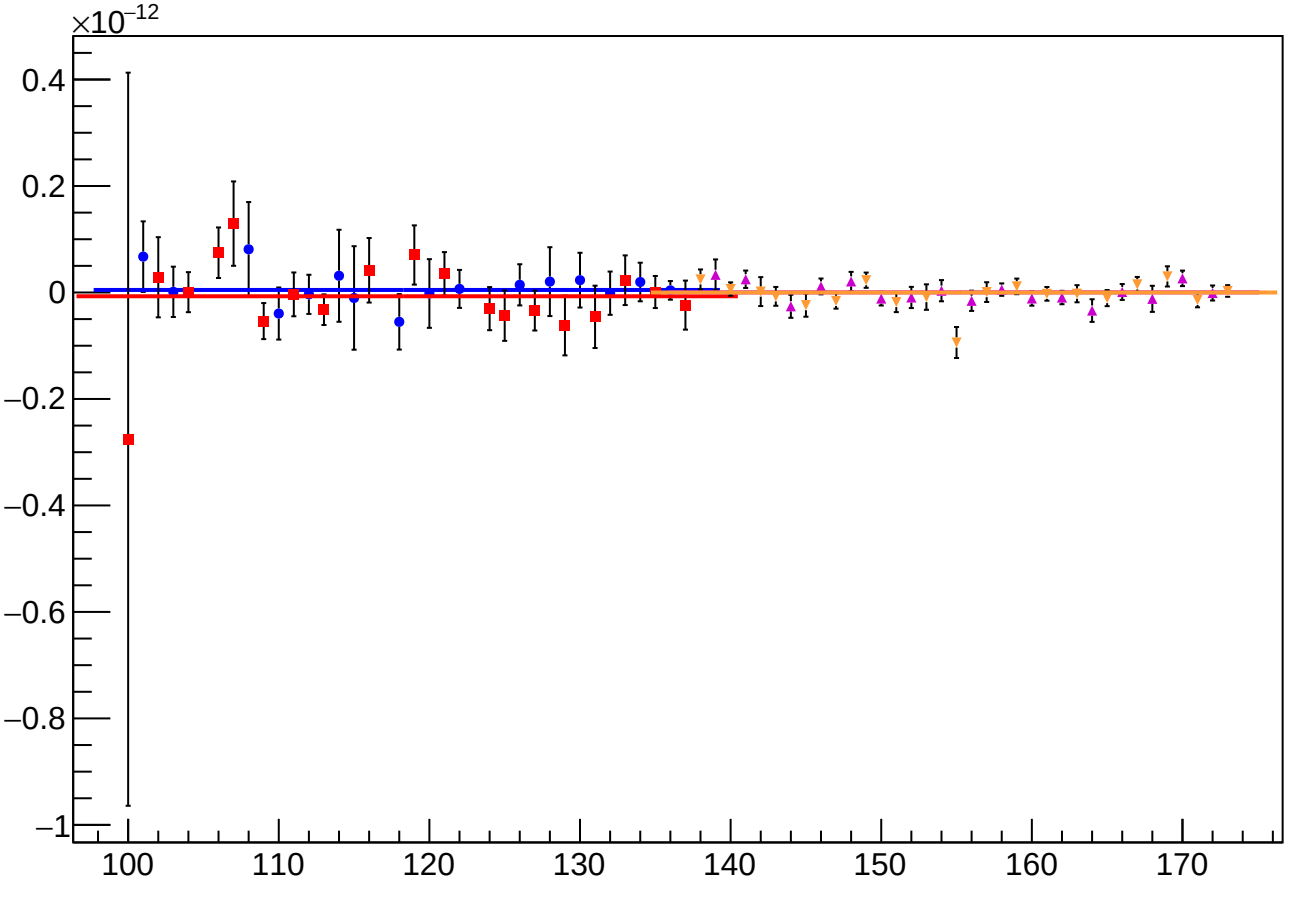
Left: 55.734+/-0.008 χ^2/NDF: 1814331.3/35

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.424+/-0.010 χ^2/NDF:3891047.0/32

Out: 55.534+/-0.010 χ^2/NDF:3866943.0/37

All: 56.888+/-0.007 χ^2/NDF: 7799816.4/70



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/16

Left: 0.000+/-0.000 χ^2/NDF: 40.9/35

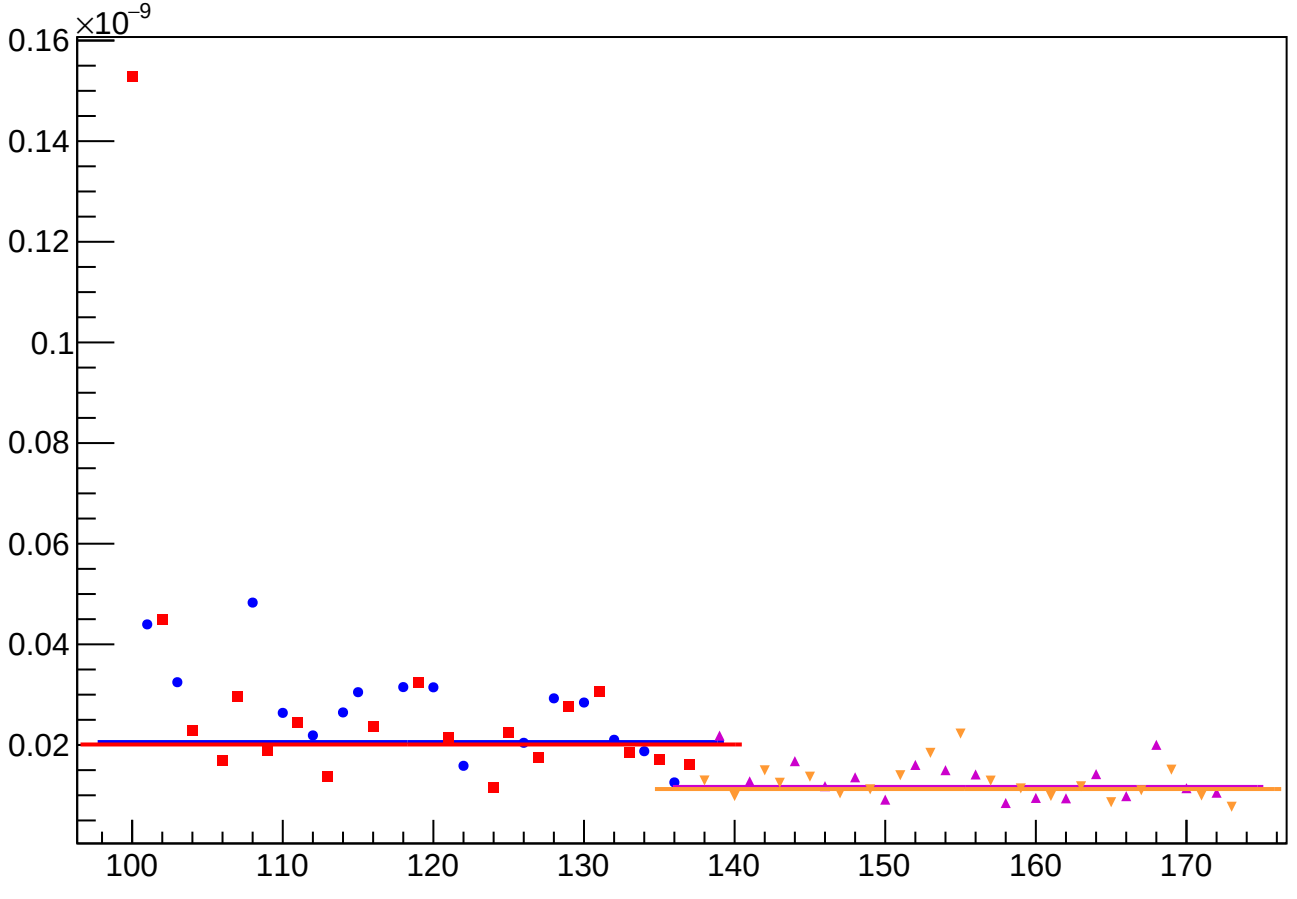
Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:20.9/32

Out: -0.000+/-0.000 χ^2/NDF:41.1/37

All: -0.000+/-0.000 χ^2/NDF: 62.1/70

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1039509.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1228240.9/16

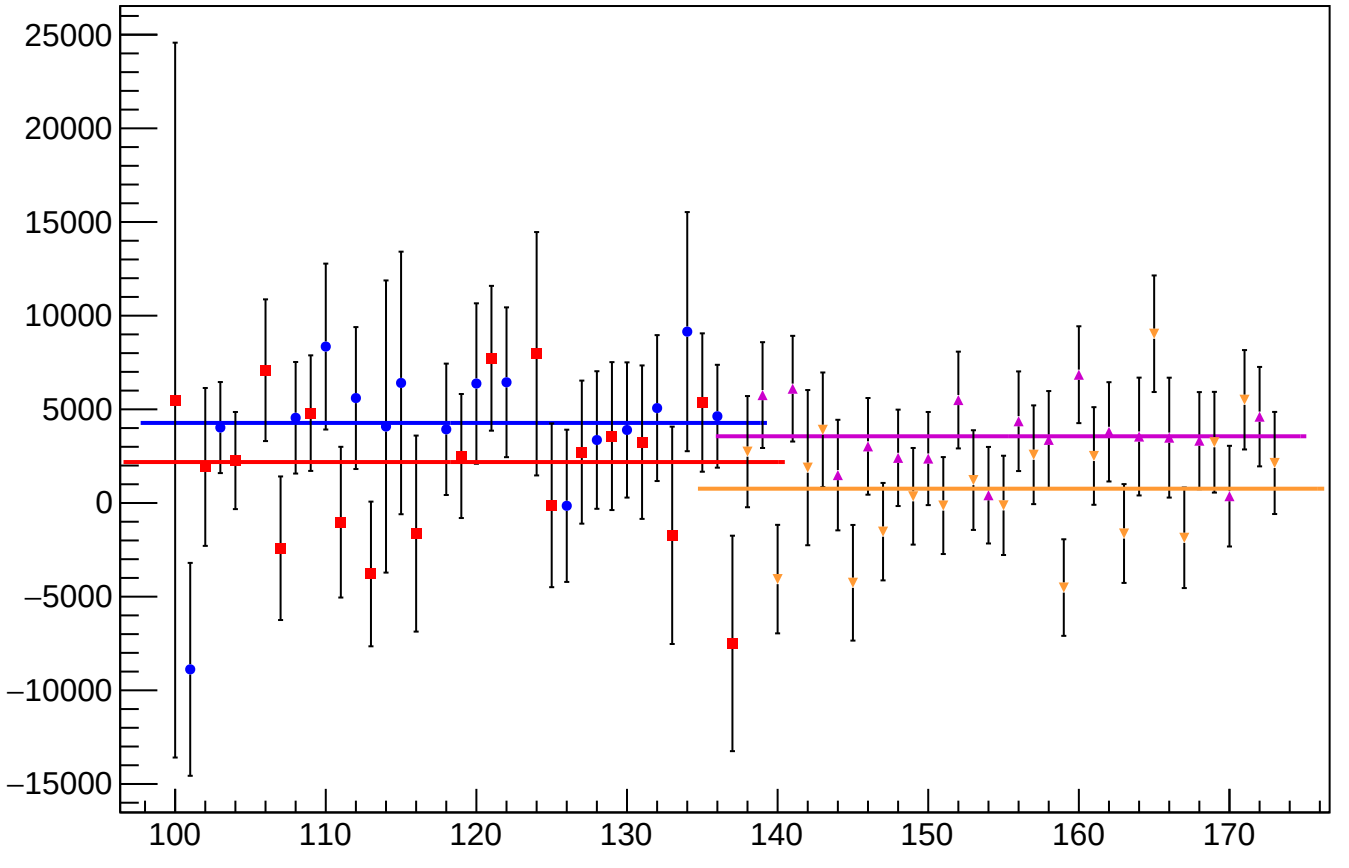
Left: 0.000+/-0.000 χ^2/NDF: 2280061.8/35

Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:3868975.8/32

Out: 0.000+/-0.000 χ^2/NDF:3205699.3/37

All: 0.000+/-0.000 χ^2/NDF: 7096253.3/70



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 763.375+/-635.452 χ^2/NDF:26.3/18

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 3561.697+/-654.023 χ^2/NDF:7.7/16

Left: 2122.243+/-455.756 χ^2/NDF: 43.5/35

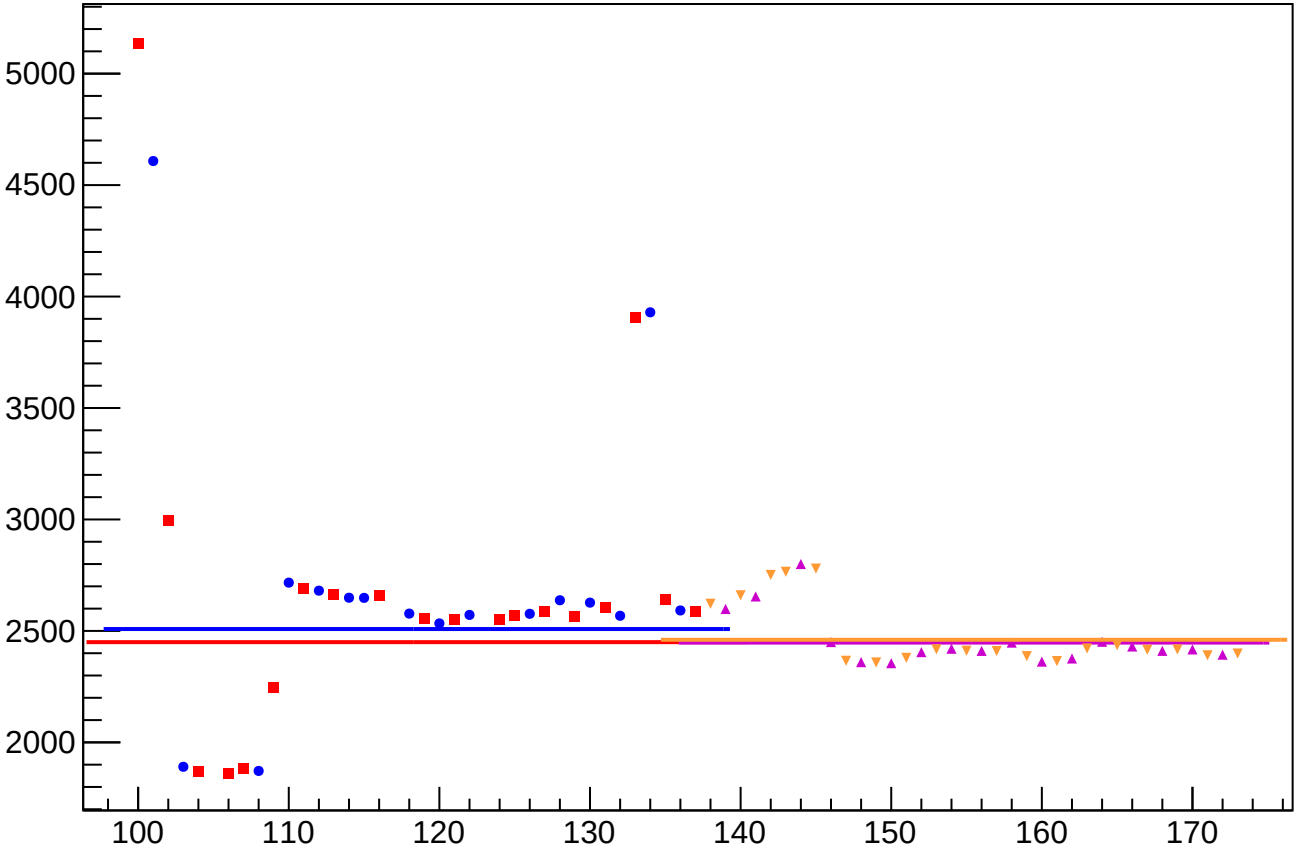
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3790.228+/-539.060 χ^2/NDF:17.0/32

Out: 1221.530+/-523.240 χ^2/NDF:42.8/37

All: 2467.633+/-375.455 χ^2/NDF: 71.4/70

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2460.284+/-0.449 χ^2/NDF:84518.0/18

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2447.661+/-0.462 χ^2/NDF:56450.4/16

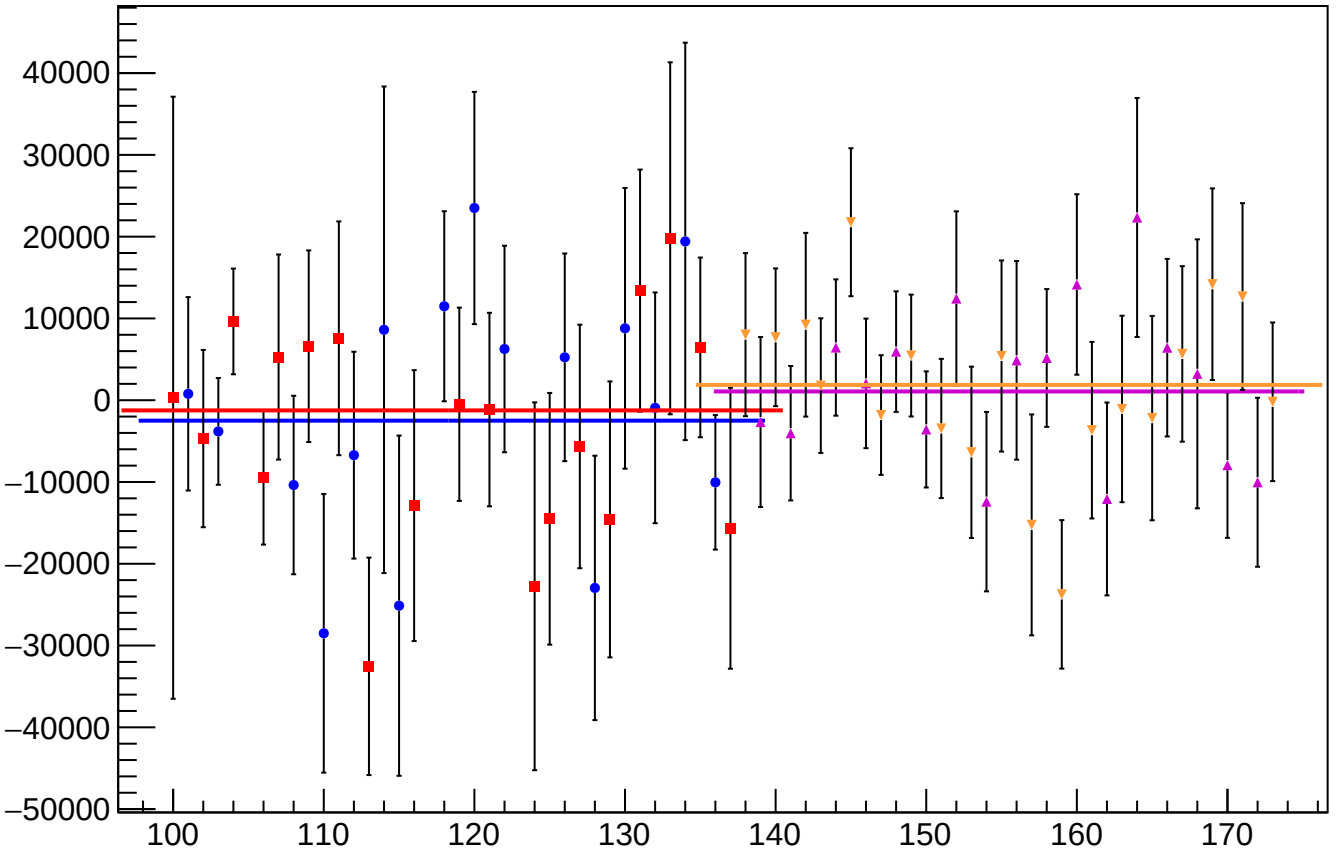
Left: 2454.154+/-0.322 χ^2/NDF: 141351.6/35

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2467.159+/-0.381 χ^2/NDF:673583.3/32

Out: 2456.851+/-0.370 χ^2/NDF:521600.3/37

All: 2461.851+/-0.265 χ^2/NDF: 1195560.1/70



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 1870.724+/-2232.995 χ^2/NDF:19.9/18

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 1069.382+/-2325.874 χ^2/NDF:12.0/16

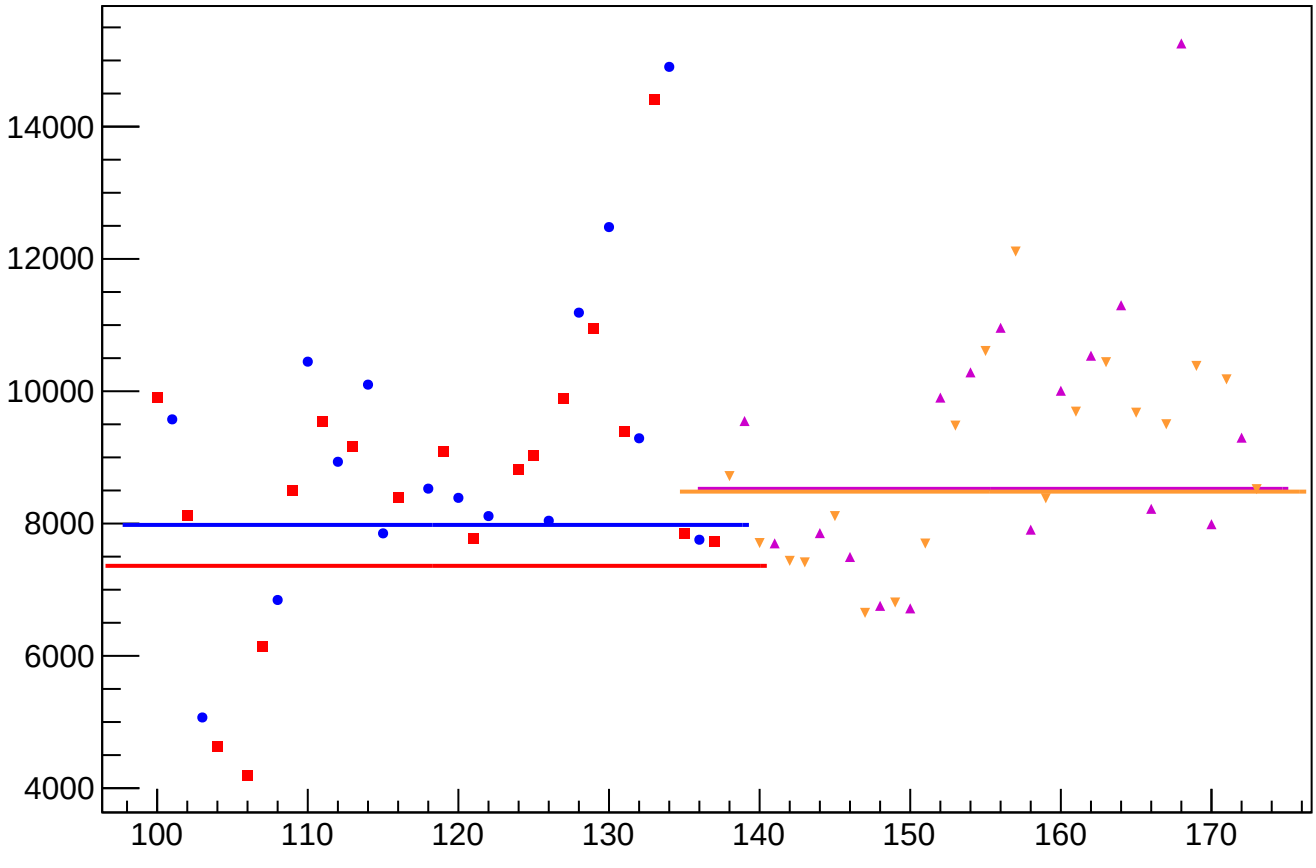
Left: 1486.372+/-1610.801 χ^2/NDF: 31.9/35

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

In: -229.472+/-1855.129 χ^2/NDF:26.6/32

Out: 687.232+/-1758.370 χ^2/NDF:37.2/37

All: 253.409+/-1276.191 χ^2/NDF: 63.9/70



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 8482.704+/-1.579 χ^2/NDF:762286.4/18

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 8524.424+/-1.645 χ^2/NDF:1028408.6/16

Left: 8502.714+/-1.139 χ^2/NDF: 1791029.8/35

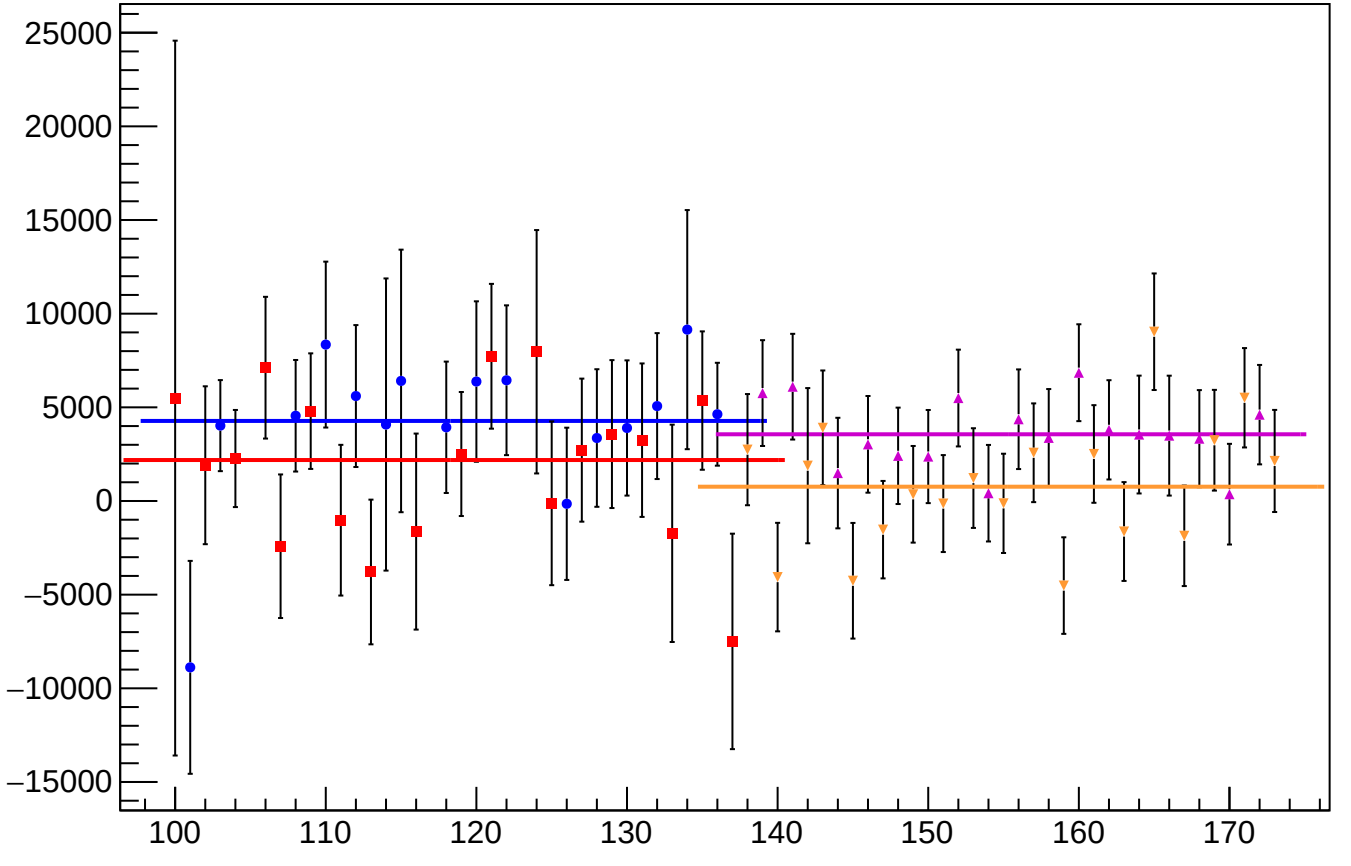
Right: 7646.889+/-1.479 χ^2/NDF: 2252604.4/34

In: 8326.162+/-1.312 χ^2/NDF:1991435.6/32

Out: 8056.444+/-1.243 χ^2/NDF:2240121.2/37

All: 8184.086+/-0.902 χ^2/NDF: 4253826.3/70

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 763.163+/-635.452 χ^2/NDF:26.3/18

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3561.601+/-654.023 χ^2/NDF:7.7/16

Left: 2122.087+/-455.756 χ^2/NDF: 43.5/35

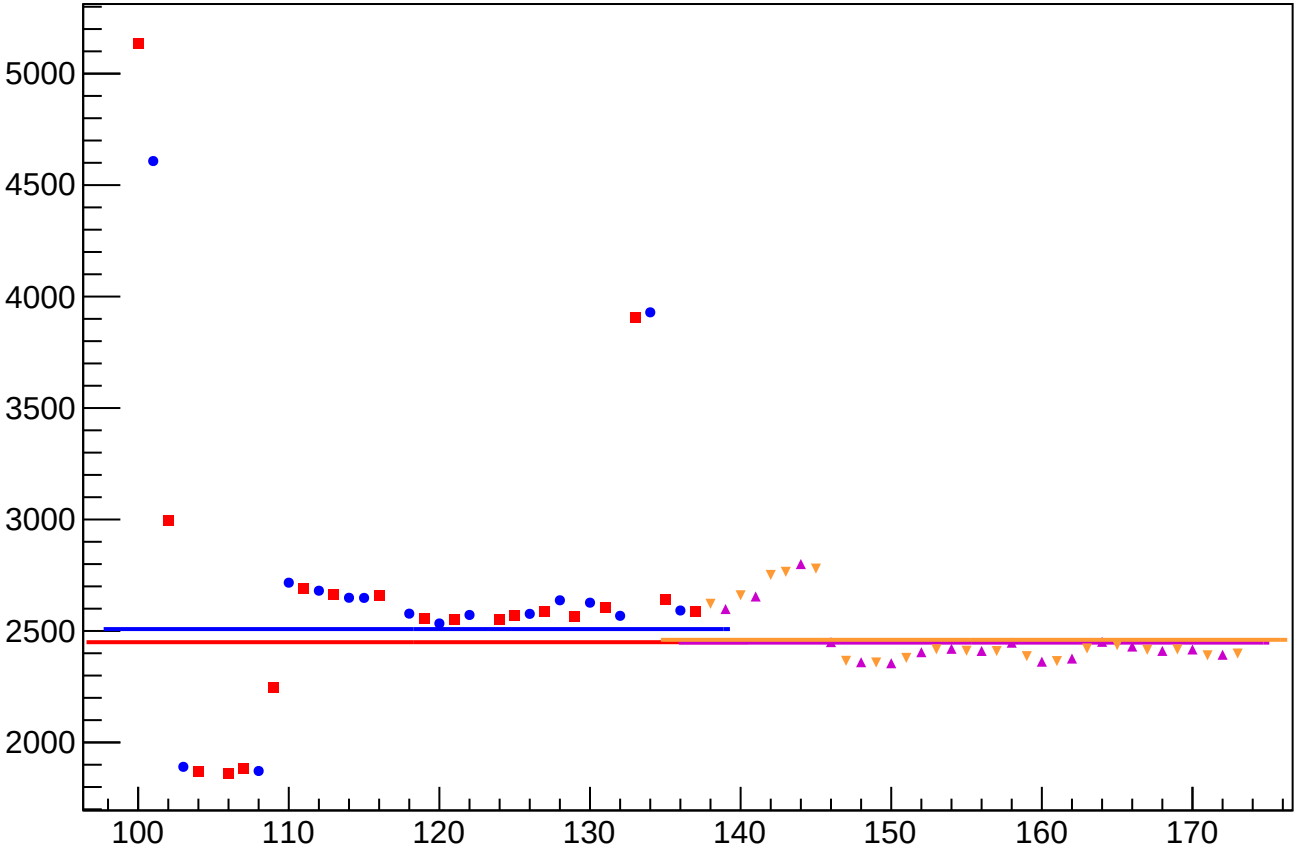
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3790.006+/-539.060 χ^2/NDF:17.0/32

Out: 1221.582+/-523.241 χ^2/NDF:42.8/37

All: 2467.555+/-375.455 χ^2/NDF: 71.5/70

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2460.284+/-0.449 χ^2/NDF:84518.0/18

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2447.661+/-0.462 χ^2/NDF:56450.4/16

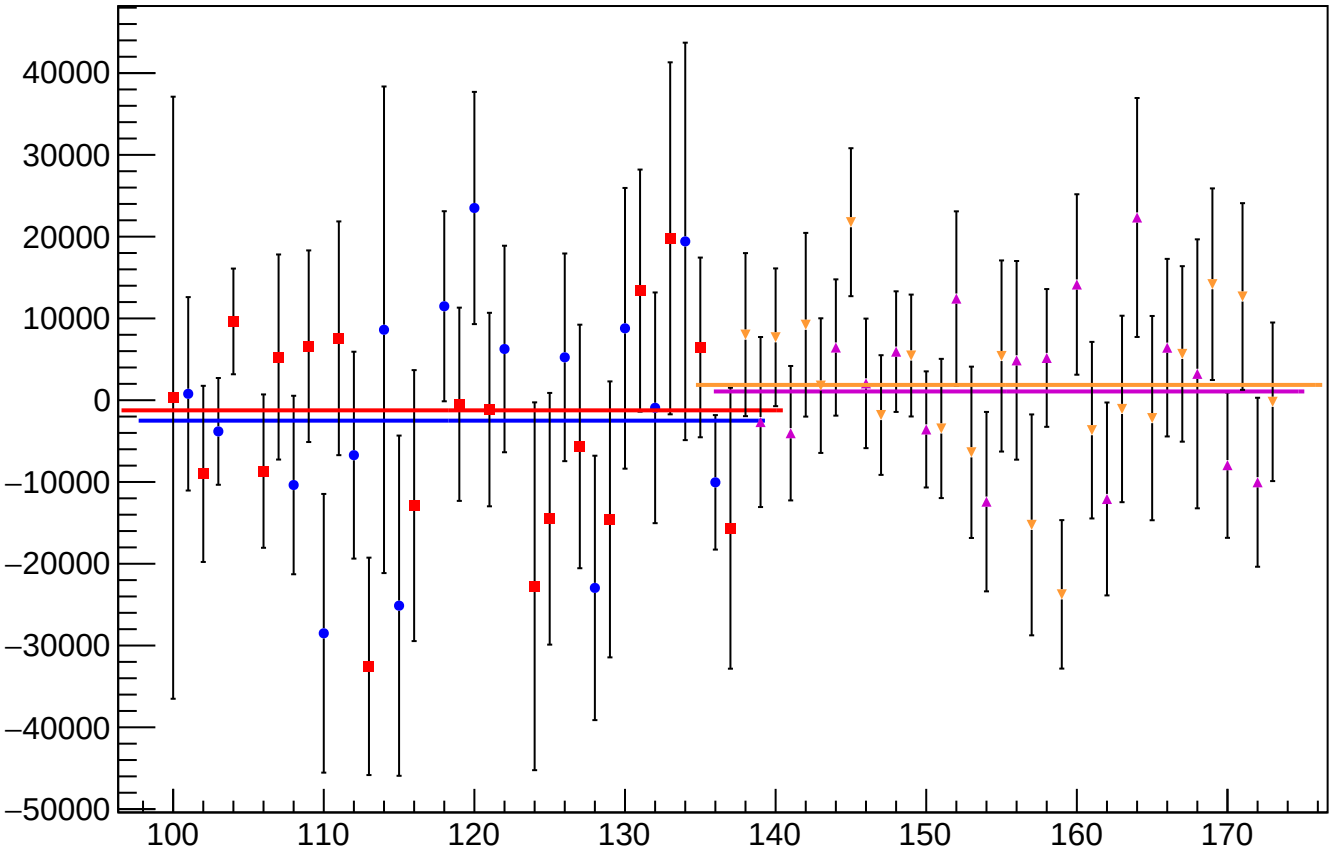
Left: 2454.154+/-0.322 χ^2/NDF: 141351.6/35

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2467.159+/-0.381 χ^2/NDF:673581.2/32

Out: 2456.859+/-0.370 χ^2/NDF:521545.1/37

All: 2461.856+/-0.265 χ^2/NDF: 1195502.3/70



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1870.705+/-2232.992 χ^2/NDF:19.9/18

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 1069.422+/-2325.873 χ^2/NDF:12.0/16

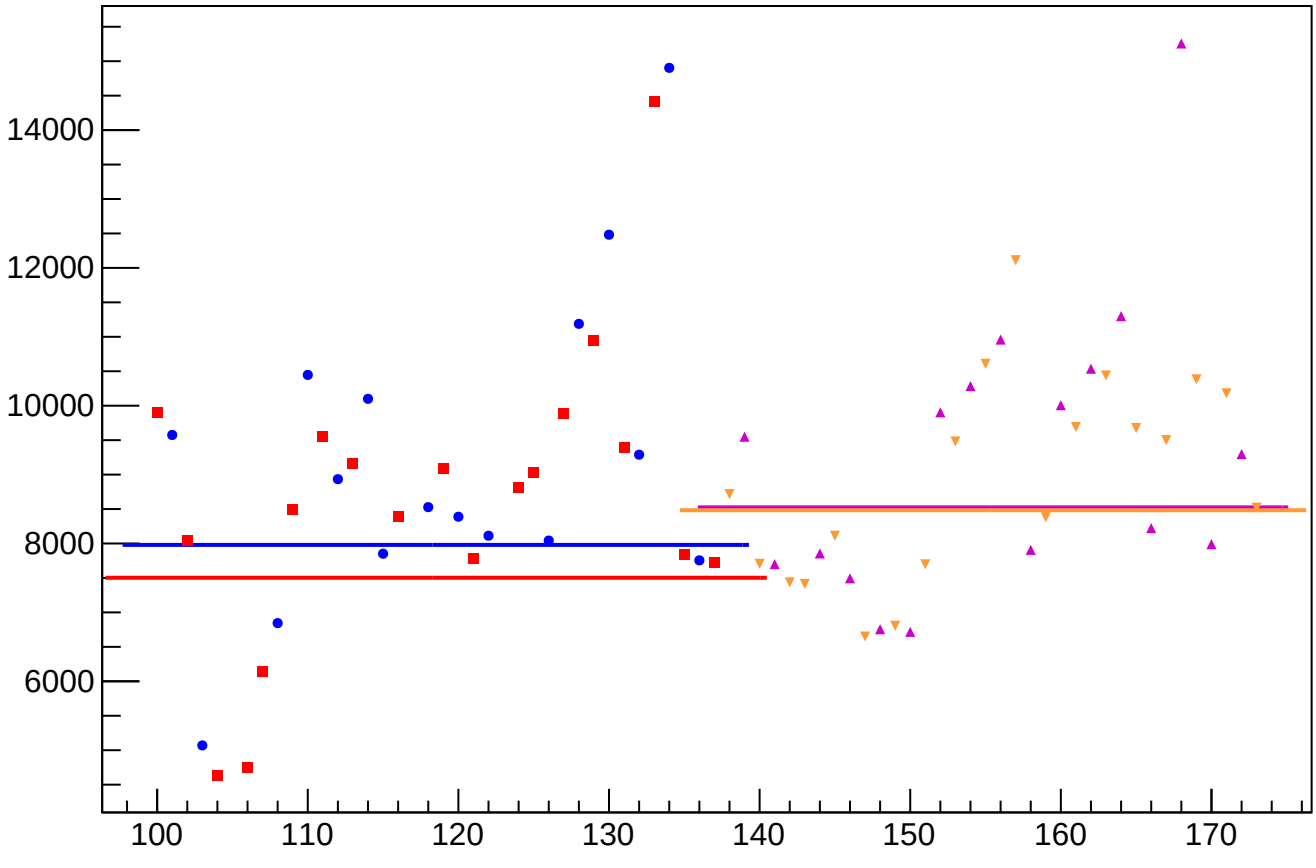
Left: 1486.382+/-1610.799 χ^2/NDF: 31.9/35

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -229.318+/-1855.147 χ^2/NDF:26.6/32

Out: 709.619+/-1767.780 χ^2/NDF:37.2/37

All: 262.780+/-1279.781 χ^2/NDF: 64.0/70



Right In: 7979.812+/-2.175 χ^2/NDF: 922785.4/15

Left Out: 8482.689+/-1.579 χ^2/NDF:762291.0/18

Right Out: 7502.685+/-2.046 χ^2/NDF: 1135523.5/18

Left In: 8524.419+/-1.645 χ^2/NDF:1028411.4/16

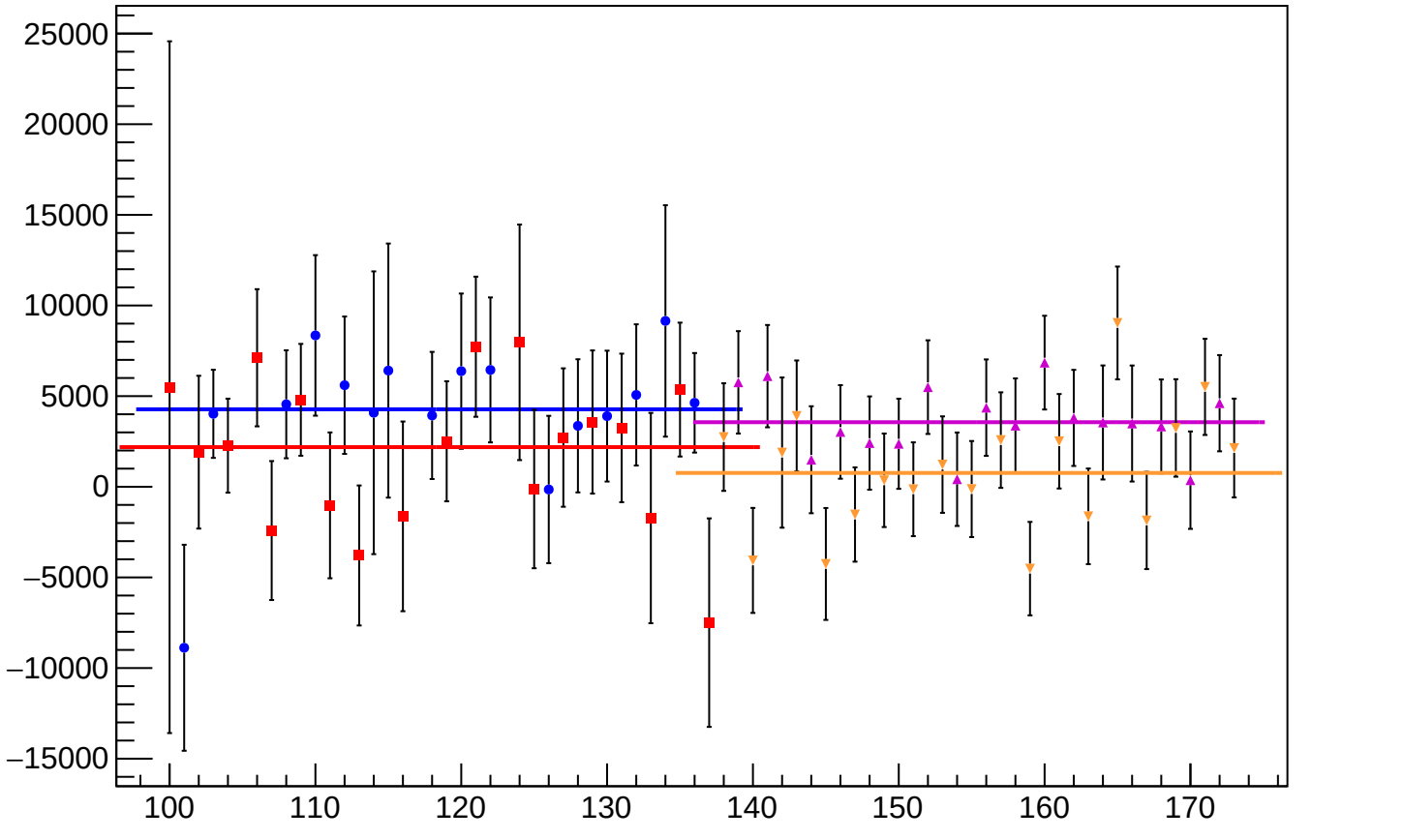
Left: 8502.704+/-1.139 χ^2/NDF: 1791037.4/35

Right: 7726.698+/-1.490 χ^2/NDF: 2083841.8/34

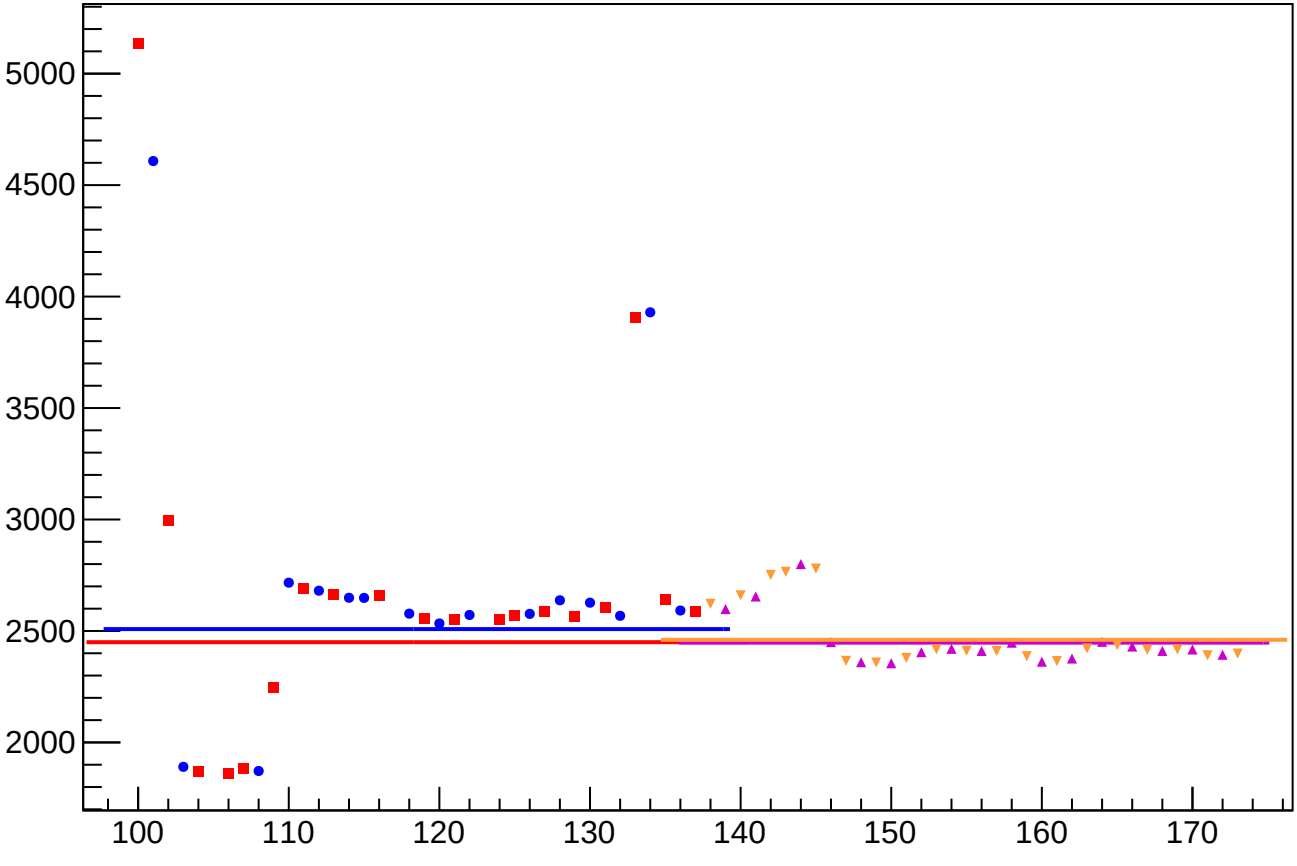
In: 8326.284+/-1.312 χ^2/NDF:1991090.3/32

Out: 8116.886+/-1.250 χ^2/NDF:2041605.6/37

All: 8216.538+/-0.905 χ^2/NDF: 4046050.6/70


eigen_cor_asym_atr2_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 4273.903+/-951.956 χ²/NDF: 8.9/15
Left Out: 763.163+/-635.452 χ²/NDF:26.3/18
Right Out: 2186.887+/-922.111 χ²/NDF: 14.8/18
Left In: 3561.601+/-654.023 χ²/NDF:7.7/16
Left: 2122.087+/-455.756 χ²/NDF: 43.5/35
Right: 3197.167+/-662.331 χ²/NDF: 26.2/34
In: 3790.006+/-539.060 χ²/NDF:17.0/32
Out: 1221.582+/-523.241 χ²/NDF:42.8/37
All: 2467.555+/-375.455 χ²/NDF: 71.5/70

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2460.284+/-0.449 χ^2/NDF:84518.0/18

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2447.661+/-0.462 χ^2/NDF:56450.4/16

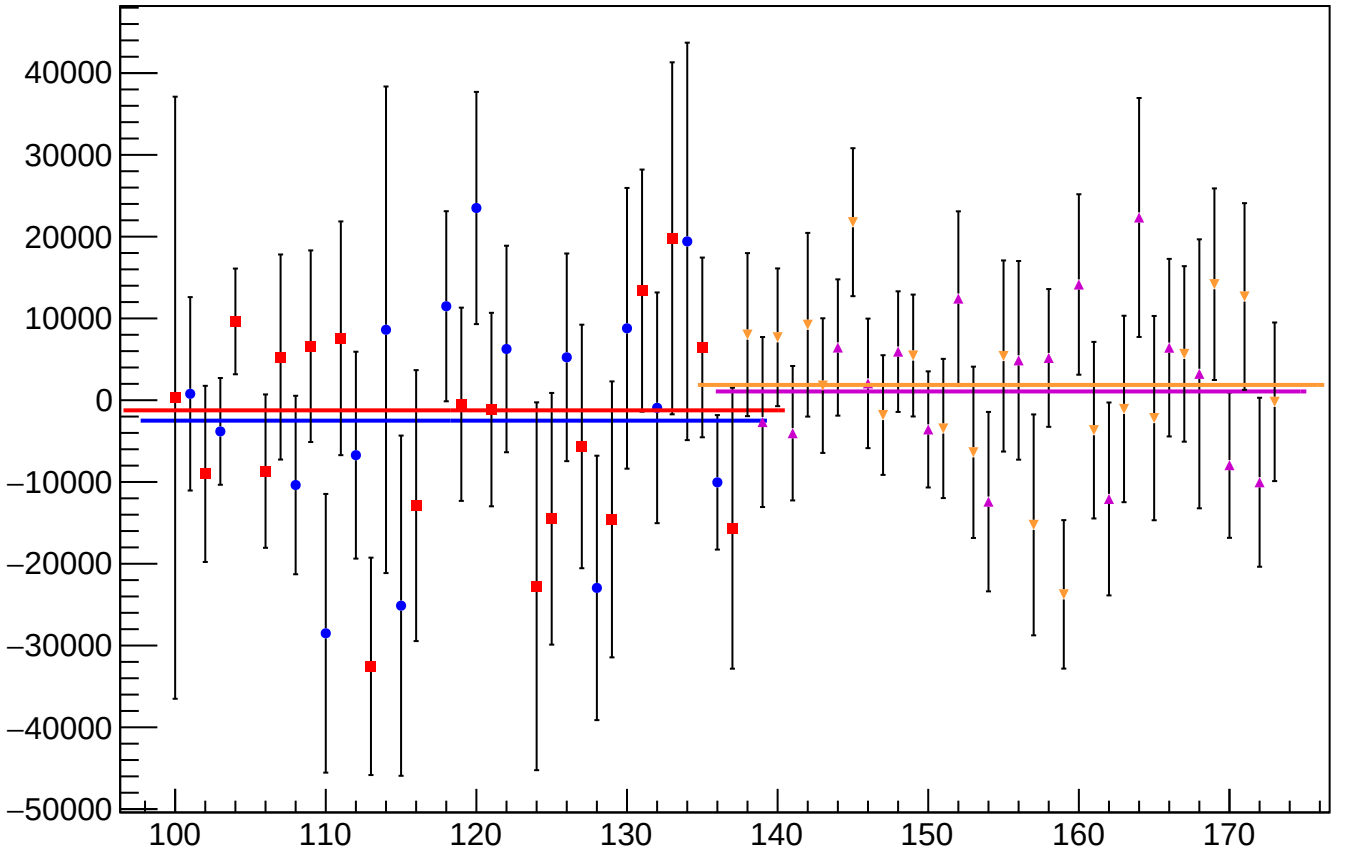
Left: 2454.154+/-0.322 χ^2/NDF: 141351.6/35

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2467.159+/-0.381 χ^2/NDF:673581.2/32

Out: 2456.859+/-0.370 χ^2/NDF:521545.1/37

All: 2461.856+/-0.265 χ^2/NDF: 1195502.3/70



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1870.705+/-2232.992 χ^2/NDF:19.9/18

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 1069.422+/-2325.873 χ^2/NDF:12.0/16

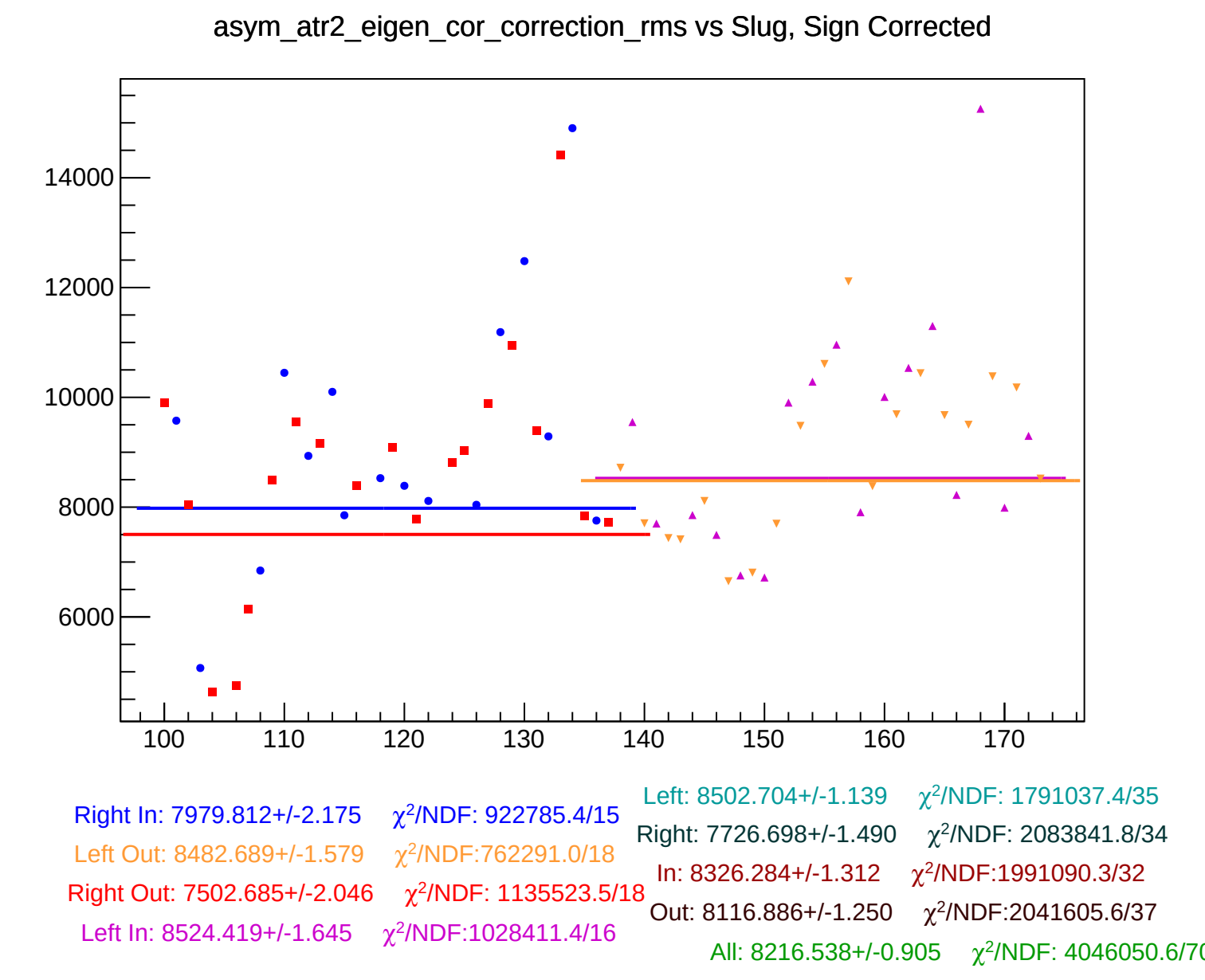
Left: 1486.382+/-1610.799 χ^2/NDF: 31.9/35

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

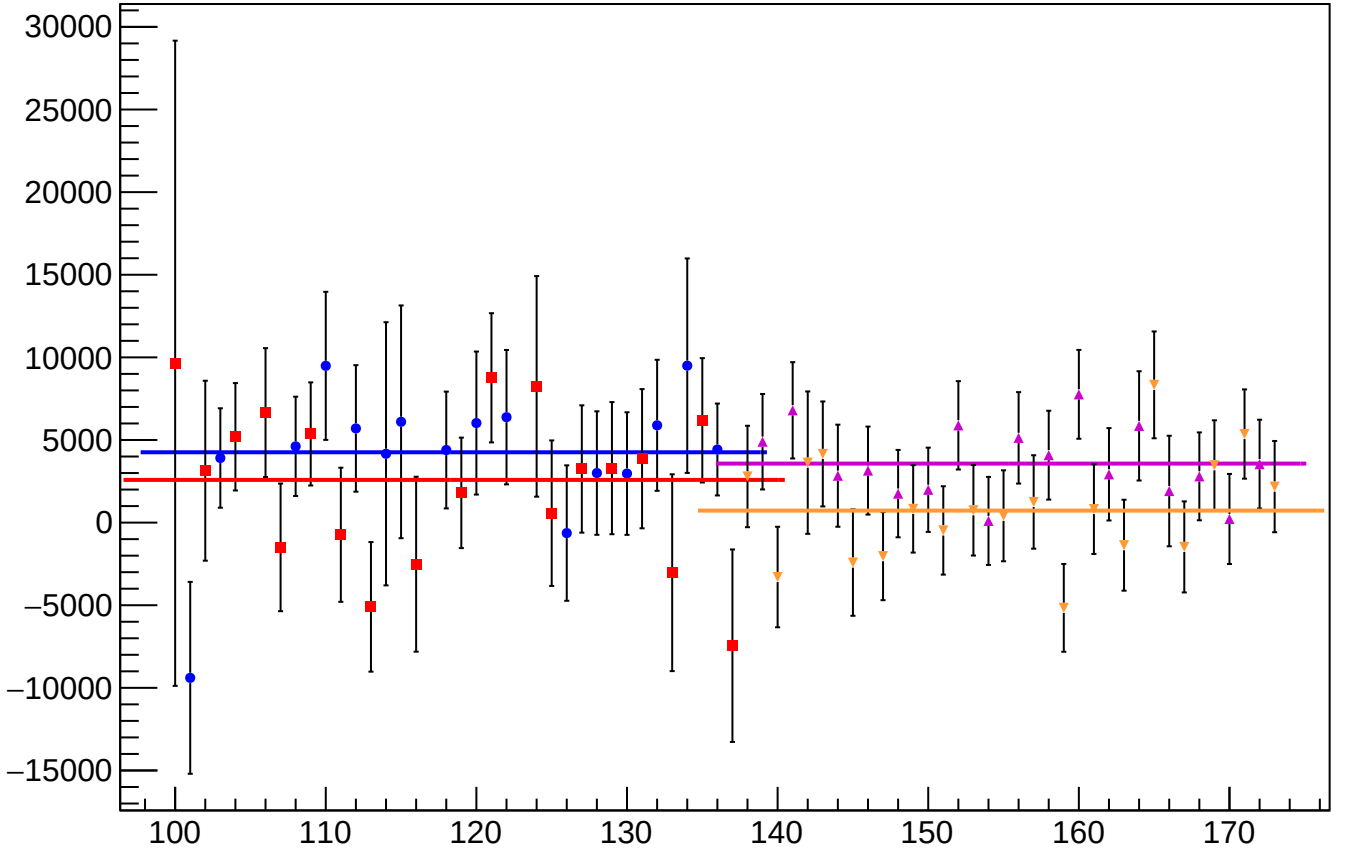
In: -229.318+/-1855.147 χ^2/NDF:26.6/32

Out: 709.619+/-1767.780 χ^2/NDF:37.2/37

All: 262.780+/-1279.781 χ^2/NDF: 64.0/70


asym_atr2_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
Left Out: 8482.689+/-1.579 χ²/NDF:762291.0/18
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8524.419+/-1.645 χ²/NDF:1028411.4/16
Left: 8502.704+/-1.139 χ²/NDF: 1791037.4/35
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8326.284+/-1.312 χ²/NDF:1991090.3/32
Out: 8116.886+/-1.250 χ²/NDF:2041605.6/37
All: 8216.538+/-0.905 χ²/NDF: 4046050.6/70

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 727.827+/-656.930 χ^2/NDF:22.0/18

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 3571.951+/-675.490 χ^2/NDF:10.0/16

Left: 2110.280+/-470.944 χ^2/NDF: 41.1/35

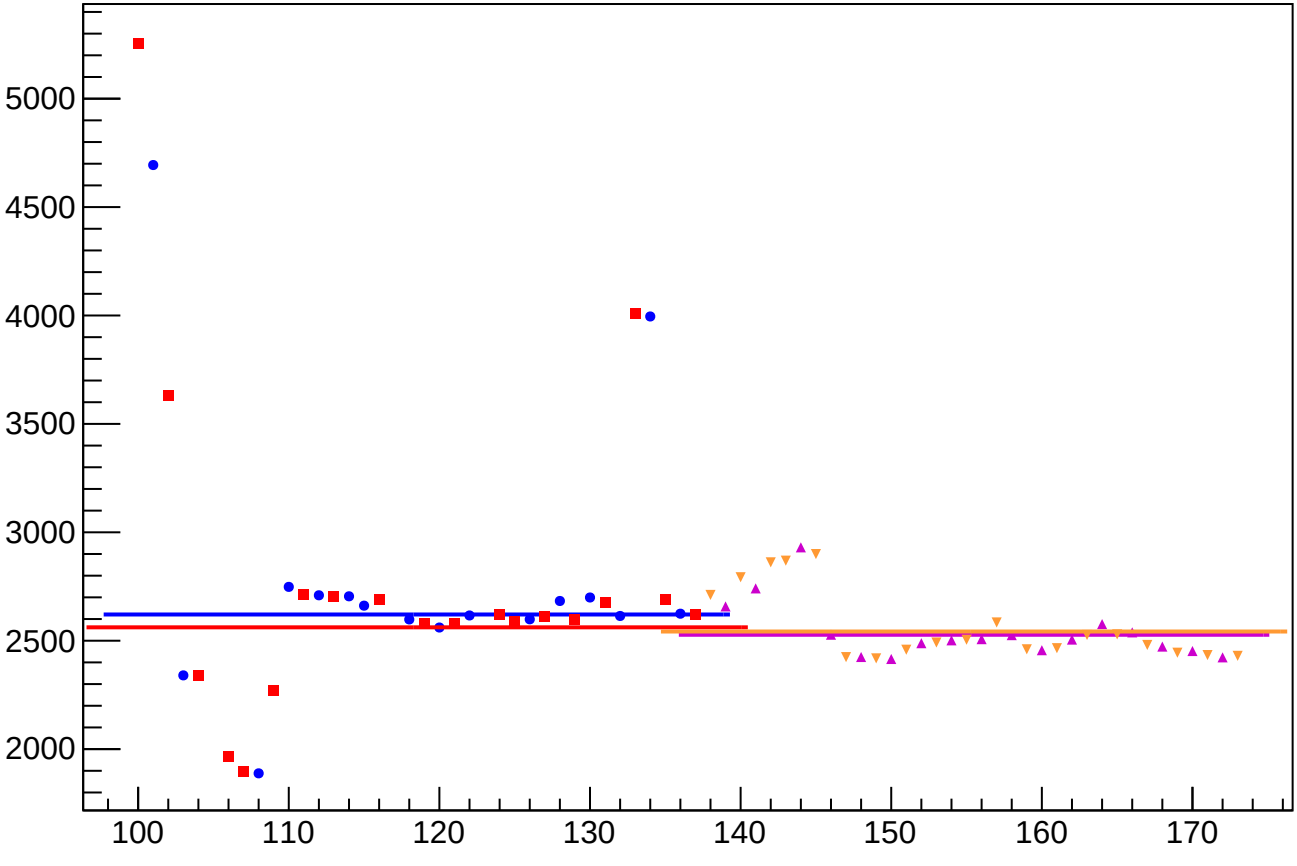
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 3789.396+/-558.076 χ^2/NDF:20.4/32

Out: 1314.974+/-543.228 χ^2/NDF:42.2/37

All: 2518.830+/-389.264 χ^2/NDF: 72.6/70

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2542.453+/-0.465 χ^2/NDF:101831.8/18

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2527.432+/-0.478 χ^2/NDF:63869.5/16

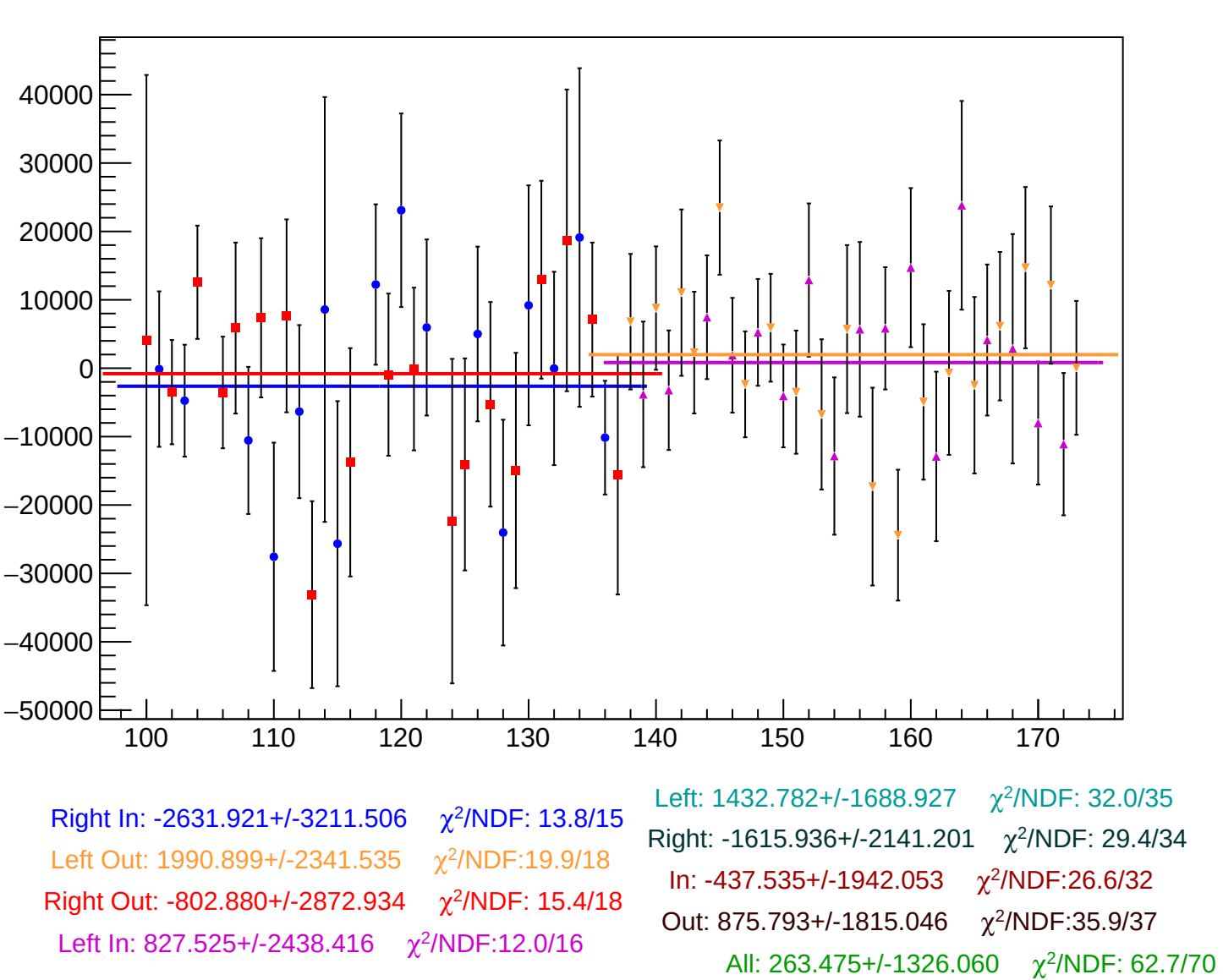
Left: 2535.152+/-0.333 χ^2/NDF: 166209.5/35

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

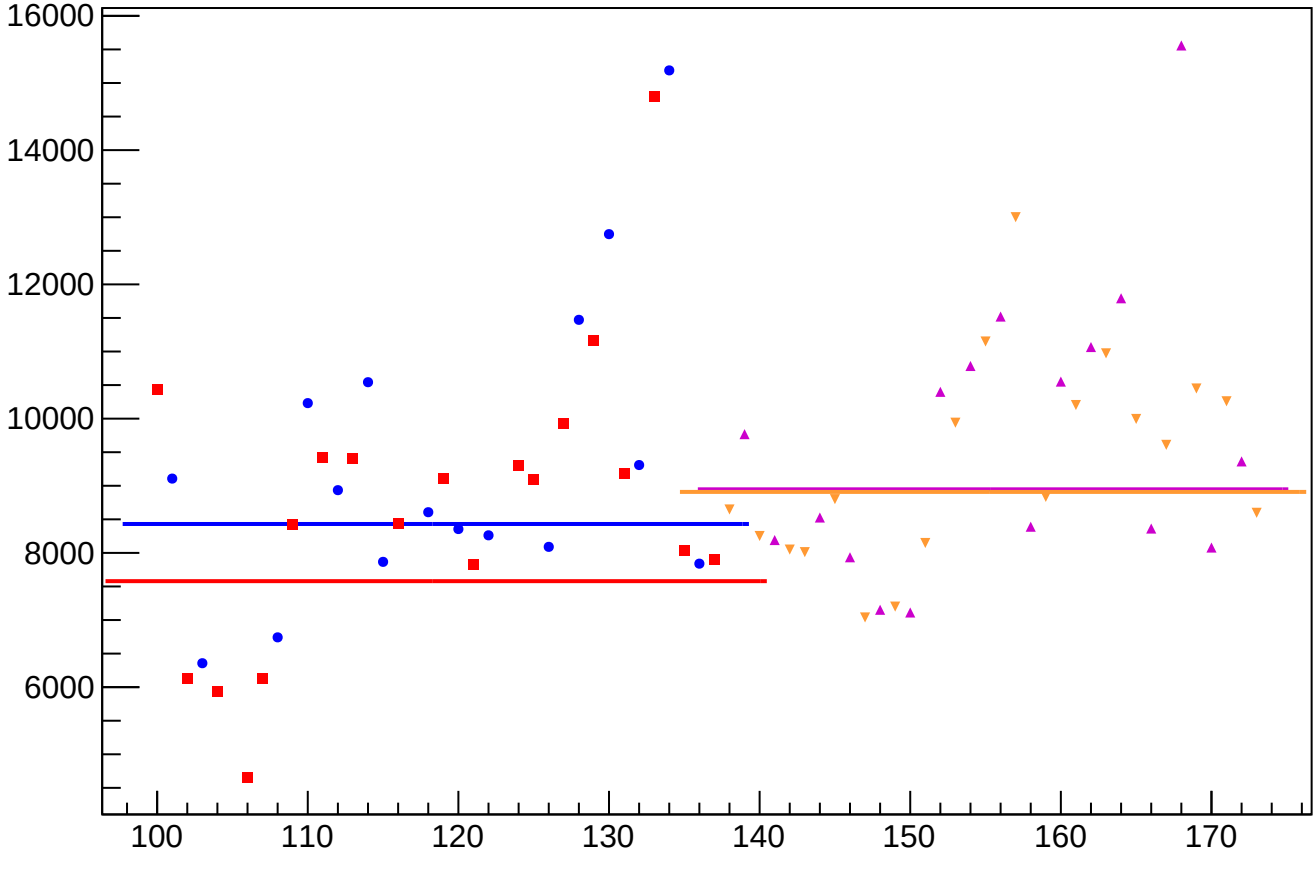
In: 2557.122+/-0.395 χ^2/NDF:561955.3/32

Out: 2548.549+/-0.384 χ^2/NDF:480635.6/37

All: 2552.719+/-0.275 χ^2/NDF: 1042833.3/70


asym_atr2_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: -2631.921+/-3211.506 χ²/NDF: 13.8/15
Left Out: 1990.899+/-2341.535 χ²/NDF:19.9/18
Right Out: -802.880+/-2872.934 χ²/NDF: 15.4/18
Left In: 827.525+/-2438.416 χ²/NDF:12.0/16
Left: 1432.782+/-1688.927 χ²/NDF: 32.0/35
Right: -1615.936+/-2141.201 χ²/NDF: 29.4/34
In: -437.535+/-1942.053 χ²/NDF:26.6/32
Out: 875.793+/-1815.046 χ²/NDF:35.9/37
All: 263.475+/-1326.060 χ²/NDF: 62.7/70

asym_atr2_dit_correction_rms vs Slug, Sign Corrected



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8908.659+/-1.656 χ^2/NDF:683461.7/18

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 8946.959+/-1.724 χ^2/NDF:963088.8/16

Left: 8927.033+/-1.194 χ^2/NDF: 1646807.2/35

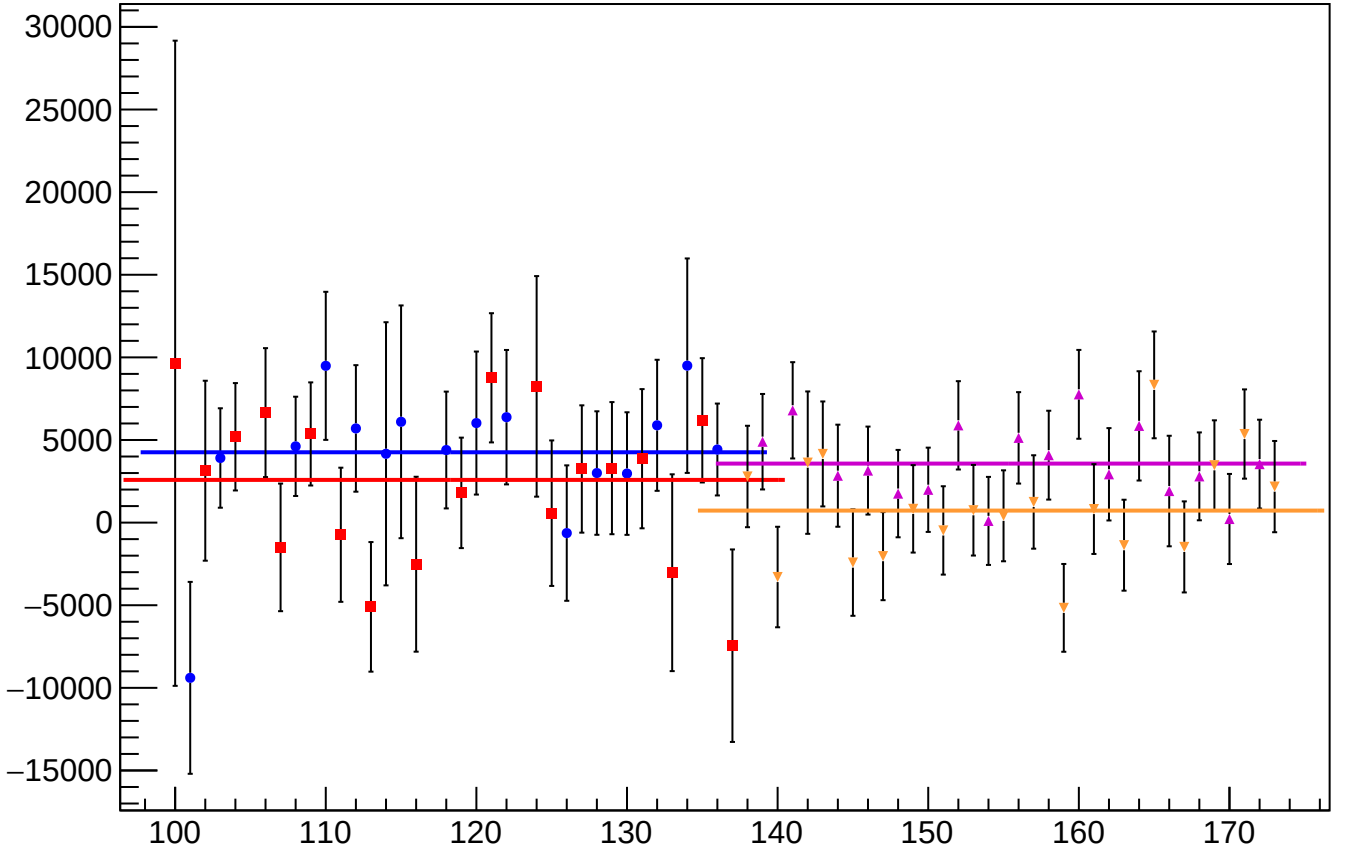
Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

In: 8758.197+/-1.373 χ^2/NDF:1576158.7/32

Out: 8377.985+/-1.283 χ^2/NDF:1914959.7/37

All: 8555.253+/-0.938 χ^2/NDF: 3532036.0/70

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 727.815+/-656.931 χ^2/NDF:22.0/18

Right Out: 2584.699+/-966.048 χ^2/NDF: 17.6/18

Left In: 3571.956+/-675.490 χ^2/NDF:10.0/16

Left: 2110.276+/-470.945 χ^2/NDF: 41.1/35

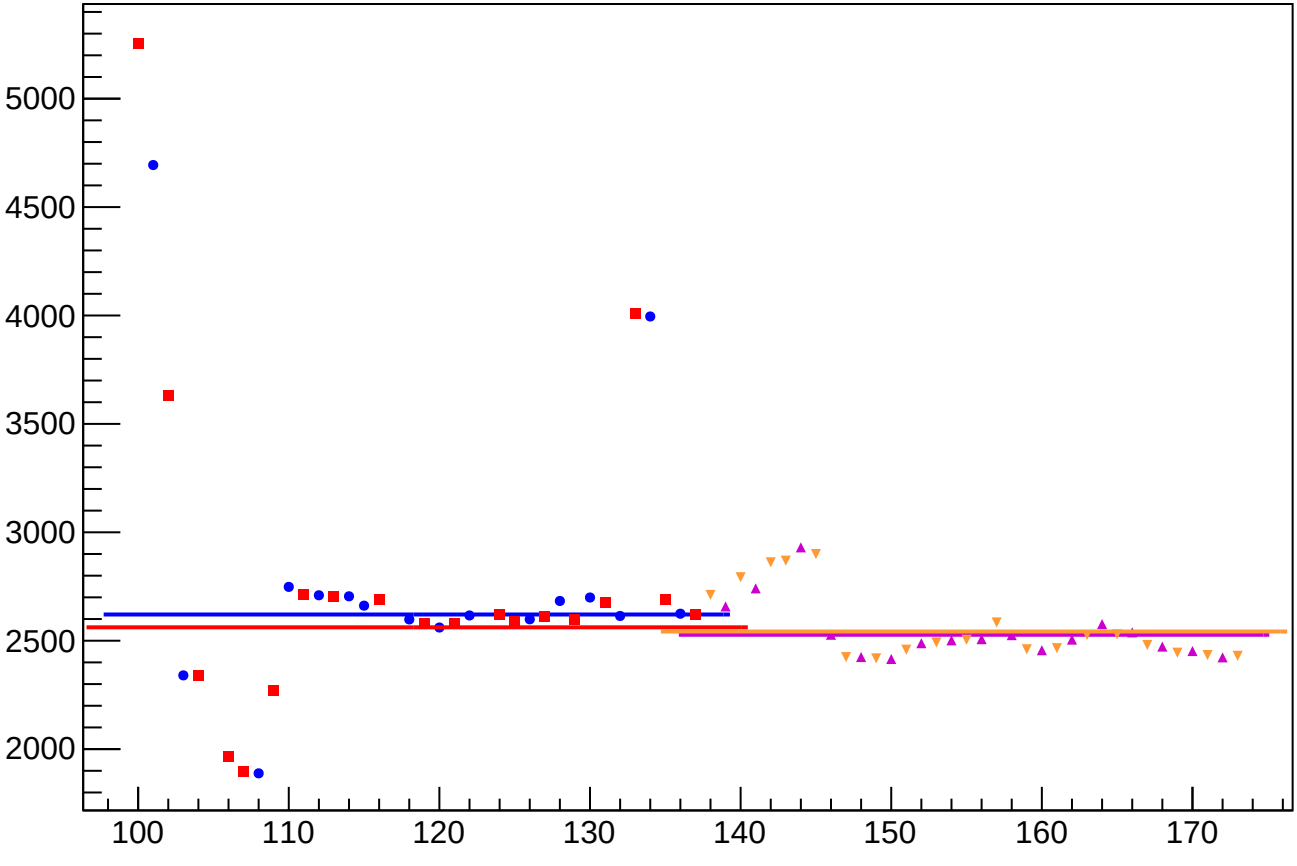
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 3789.402+/-558.077 χ^2/NDF:20.4/32

Out: 1314.970+/-543.229 χ^2/NDF:42.2/37

All: 2518.831+/-389.264 χ^2/NDF: 72.6/70

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2542.455+/-0.465 χ^2/NDF:101832.0/18

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2527.435+/-0.478 χ^2/NDF:63869.4/16

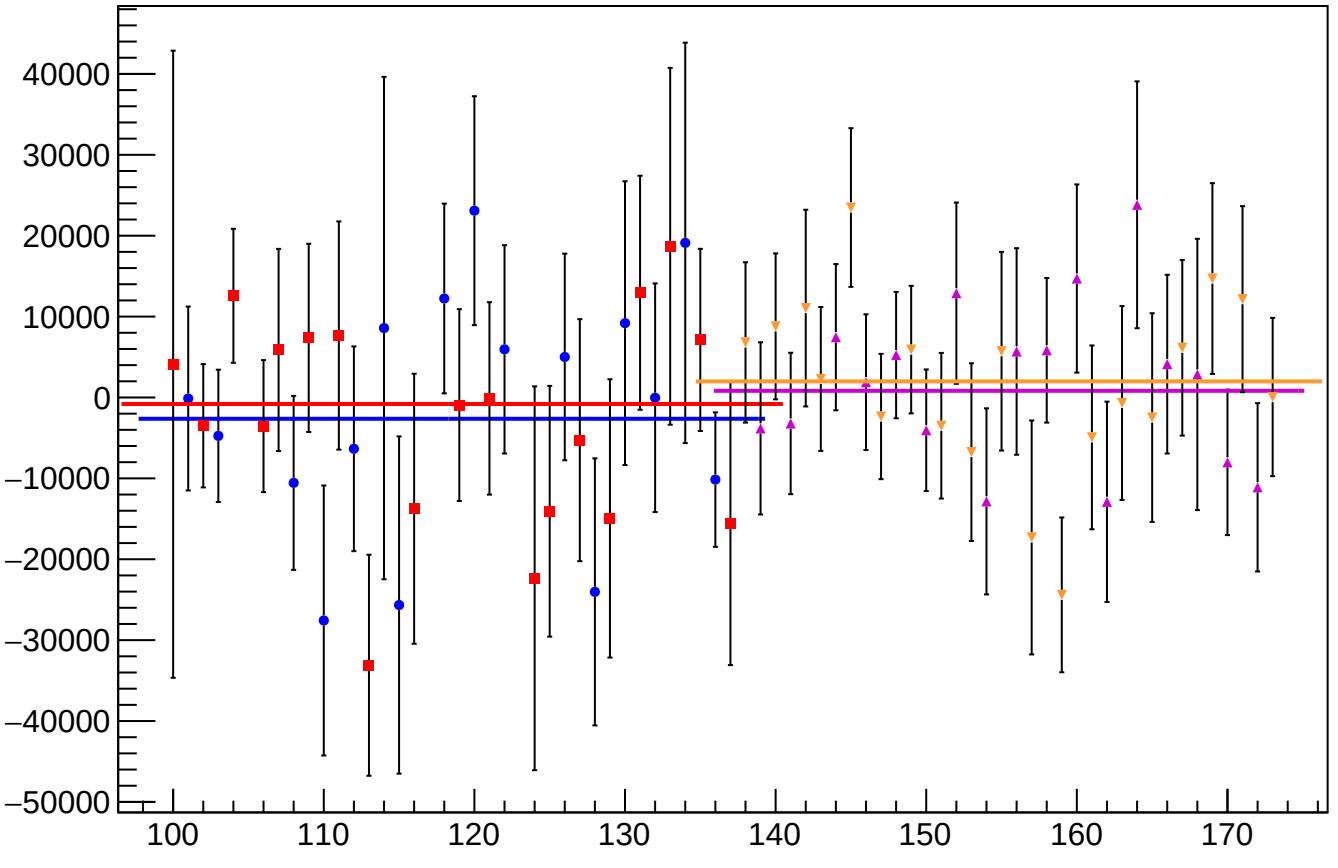
Left: 2535.154+/-0.333 χ^2/NDF: 166209.6/35

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2557.123+/-0.395 χ^2/NDF:561954.6/32

Out: 2548.551+/-0.384 χ^2/NDF:480635.2/37

All: 2552.720+/-0.275 χ^2/NDF: 1042832.1/70



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 1990.896+/-2341.539 χ^2/NDF:19.9/18

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 827.521+/-2438.420 χ^2/NDF:12.0/16

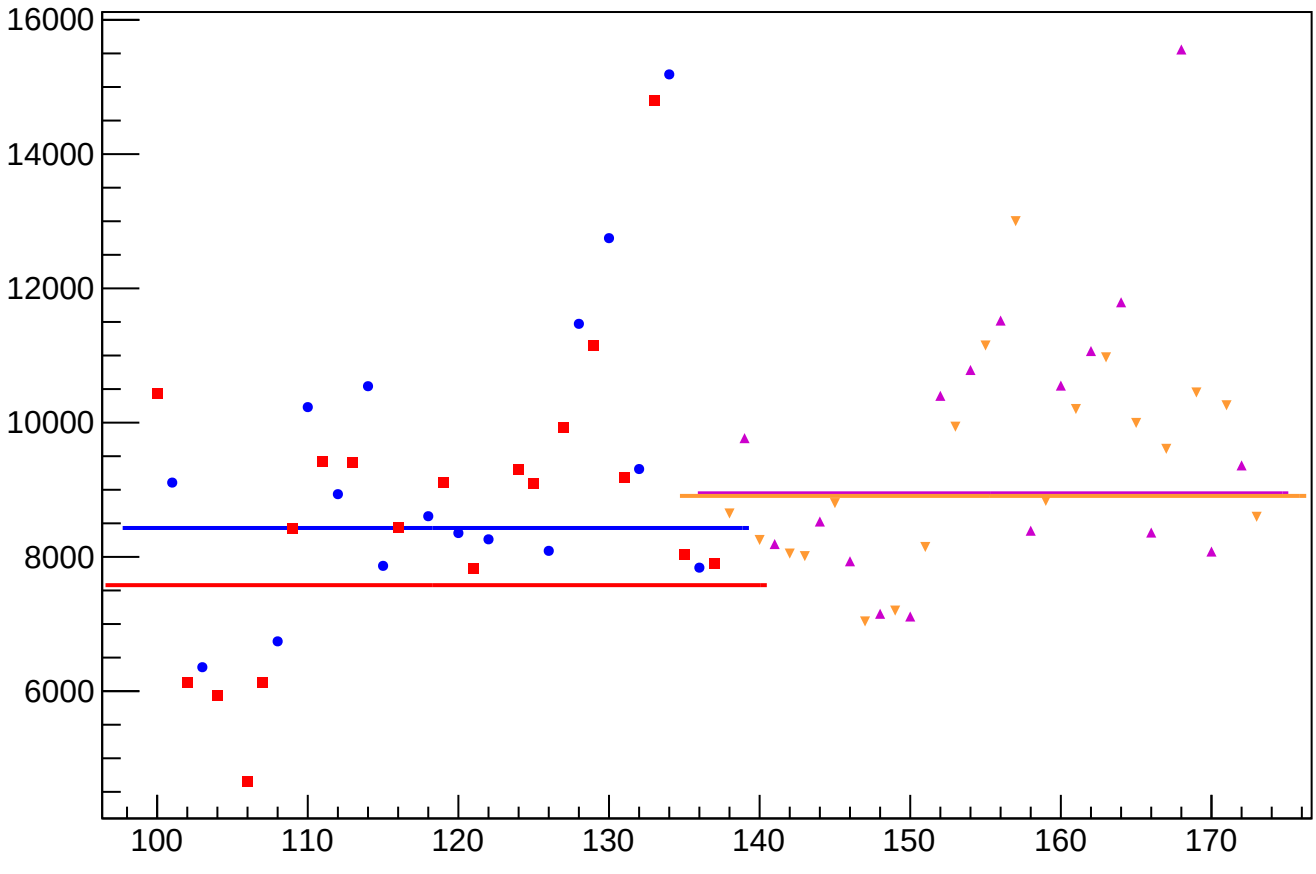
Left: 1432.778+/-1688.930 χ^2/NDF: 32.0/35

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -437.530+/-1942.054 χ^2/NDF:26.6/32

Out: 875.789+/-1815.047 χ^2/NDF:35.9/37

All: 263.475+/-1326.060 χ^2/NDF: 62.7/70



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8908.673+/-1.656 χ^2/NDF:683461.6/18

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8946.972+/-1.724 χ^2/NDF:963089.8/16

Left: 8927.046+/-1.194 χ^2/NDF: 1646808.1/35

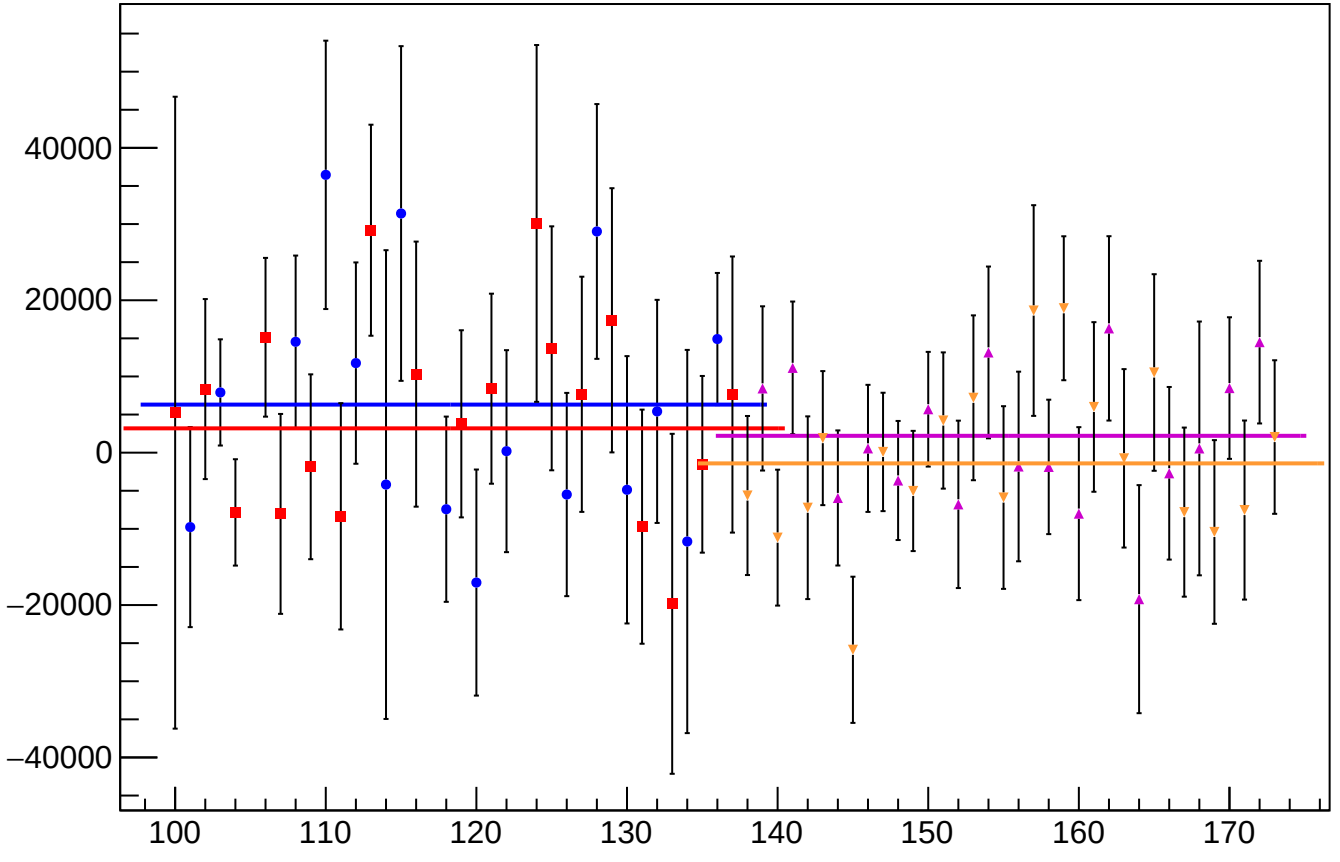
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8758.201+/-1.373 χ^2/NDF:1576156.9/32

Out: 8377.987+/-1.283 χ^2/NDF:1914966.0/37

All: 8555.255+/-0.938 χ^2/NDF: 3532041.0/70

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -1407.810+/-2337.207 χ^2/NDF:19.0/18

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 2210.651+/-2430.893 χ^2/NDF:11.2/16

Left: 330.351+/-1684.802 χ^2/NDF: 31.3/35

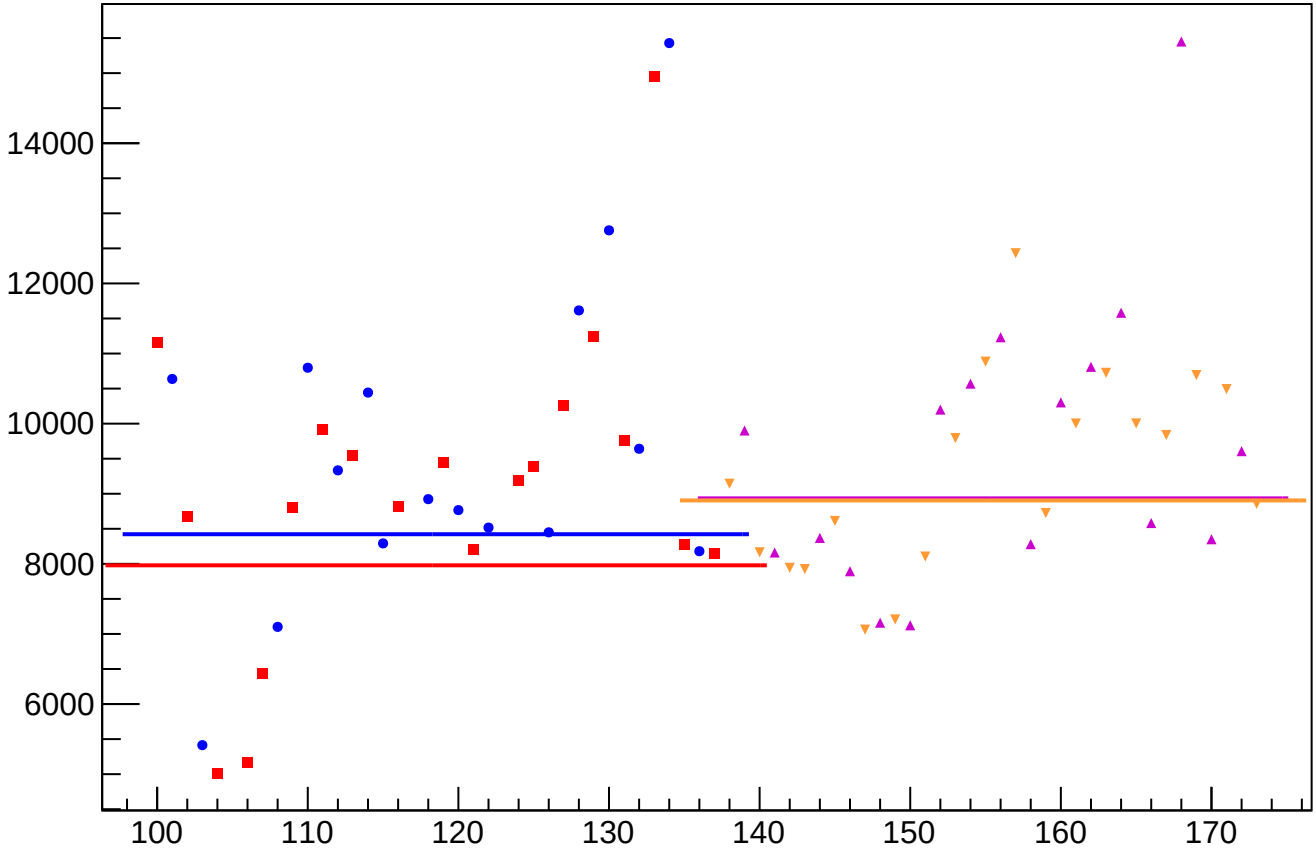
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 3686.215+/-1944.393 χ^2/NDF:27.3/32

Out: 279.937+/-1859.325 χ^2/NDF:34.3/37

All: 1906.934+/-1343.809 χ^2/NDF: 63.2/70

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8904.586+/-1.653 χ^2/NDF:651480.5/18

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 8934.303+/-1.719 χ^2/NDF:901583.8/16

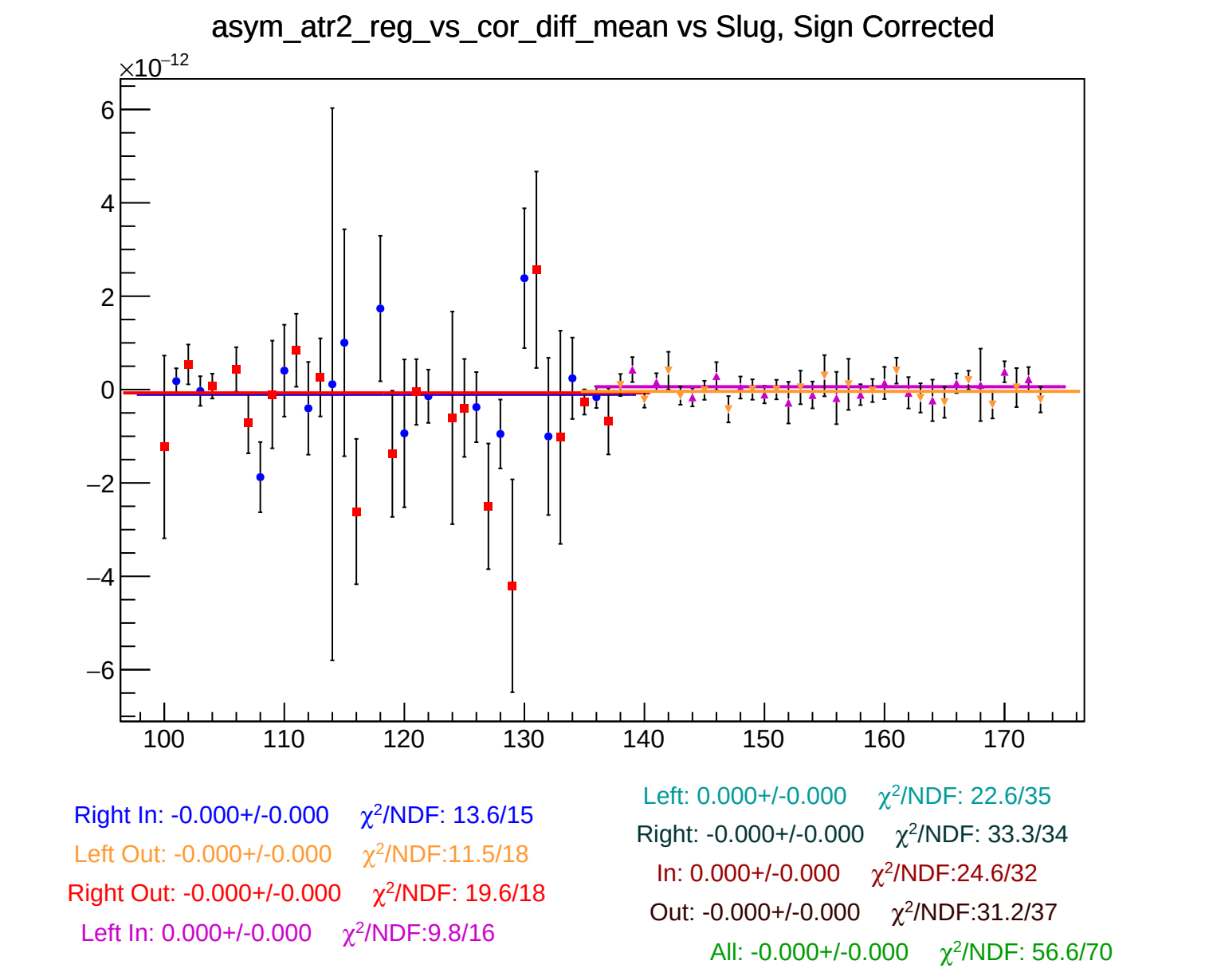
Left: 8918.861+/-1.191 χ^2/NDF: 1553219.6/35

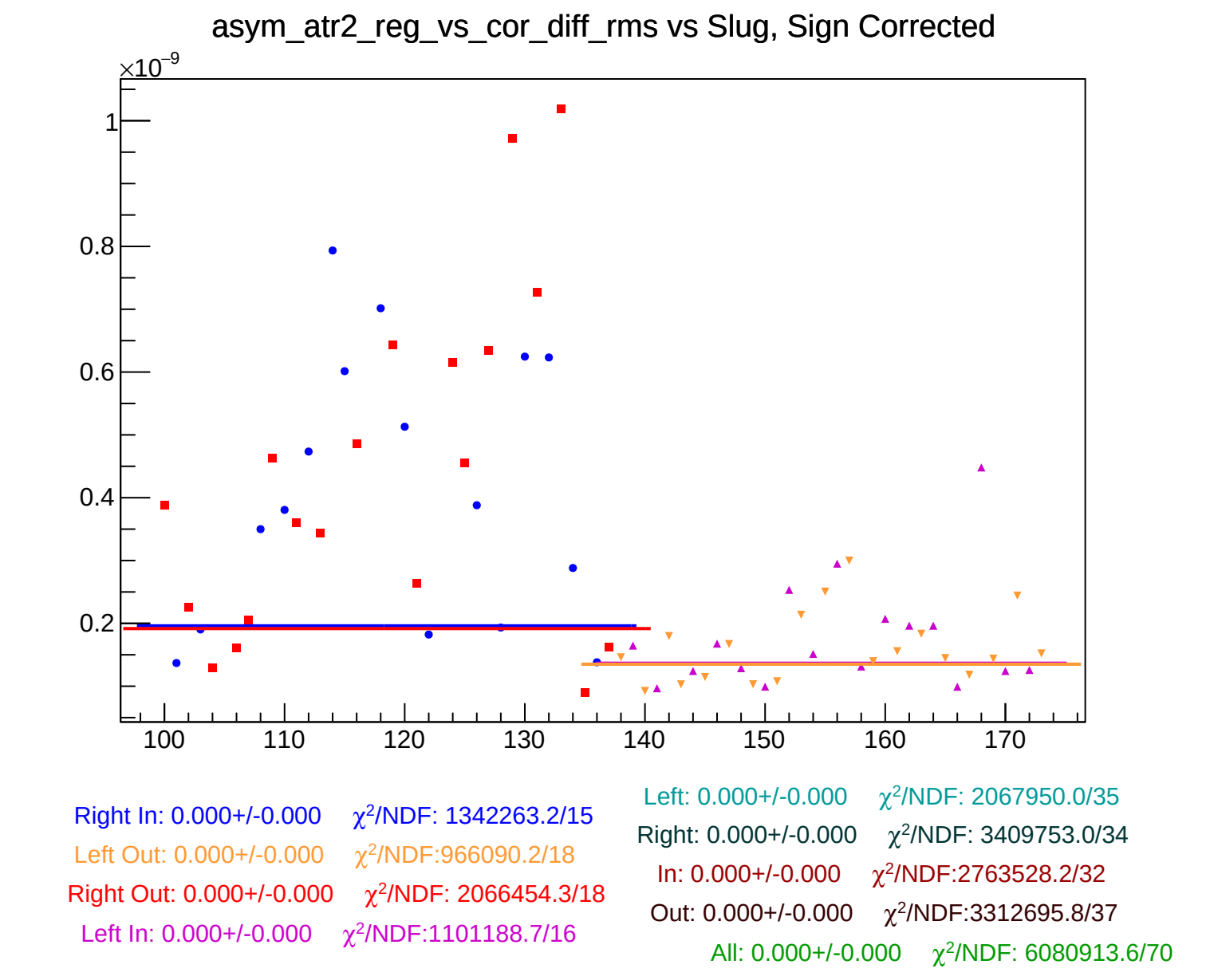
Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

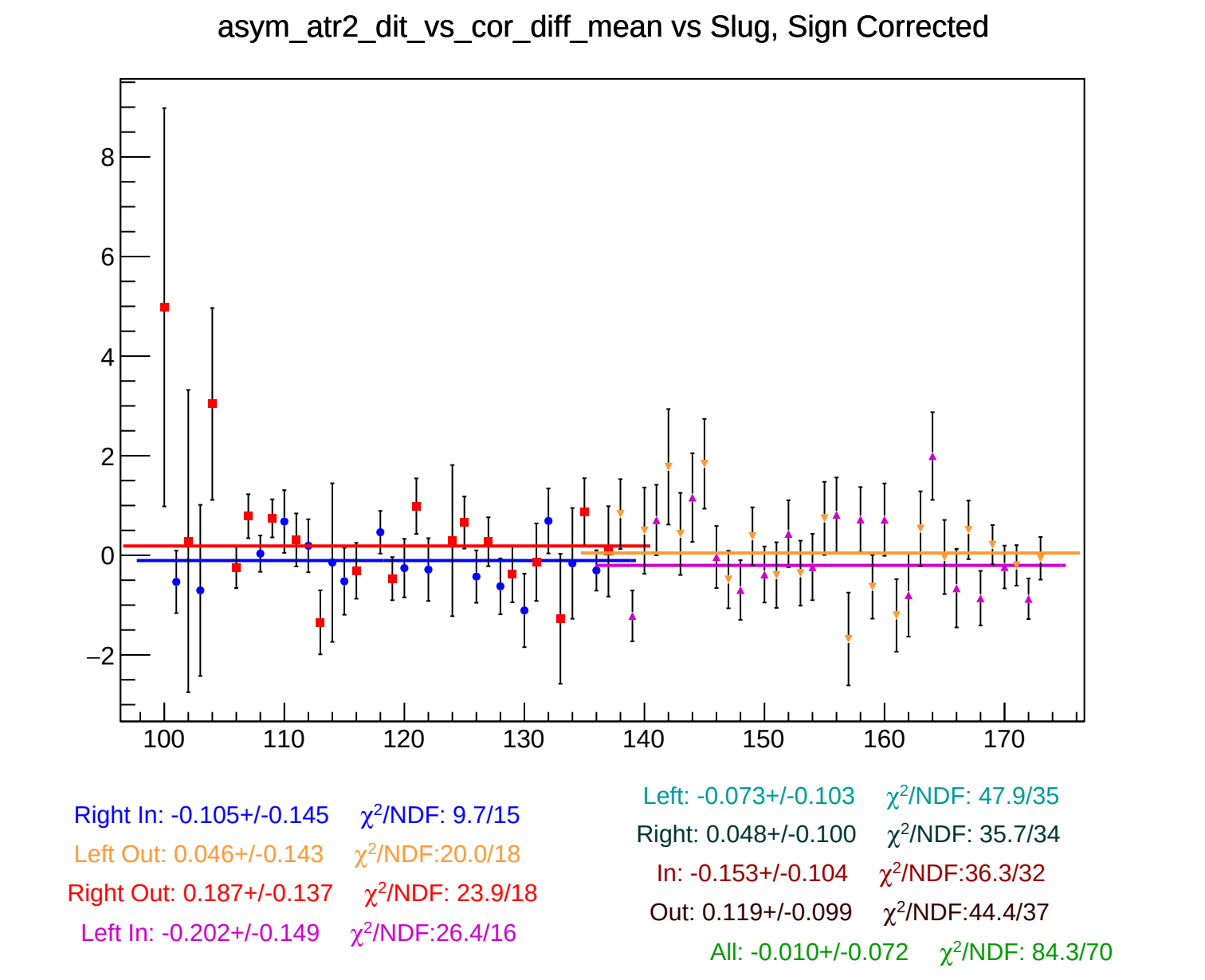
In: 8750.024+/-1.375 χ^2/NDF:1815325.2/32

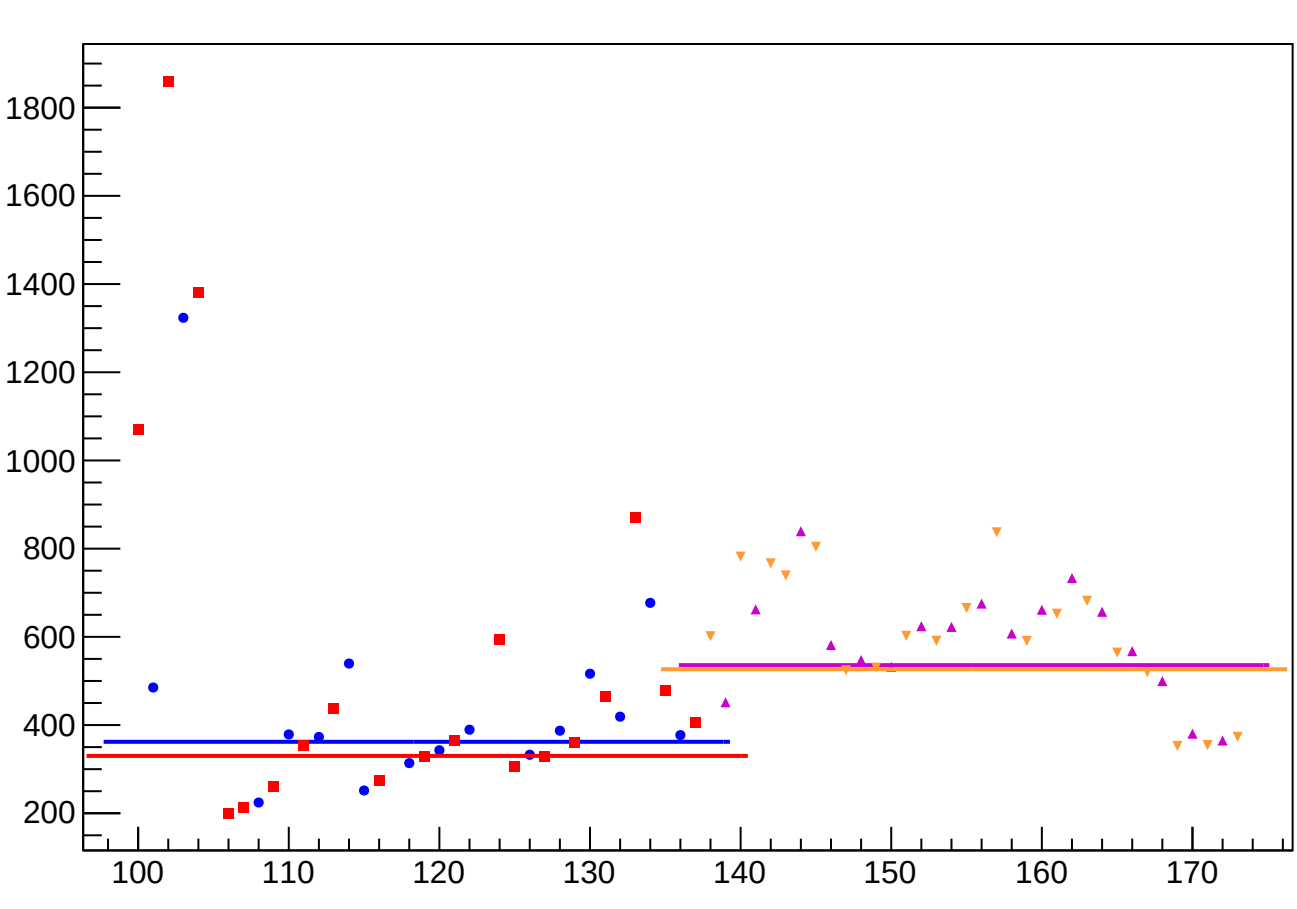
Out: 8564.769+/-1.315 χ^2/NDF:1782658.9/37

All: 8653.255+/-0.950 χ^2/NDF: 3607467.6/70


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
170
Right In: -0.000+/-0.000 χ²/NDF: 13.6/15
Left Out: -0.000+/-0.000 χ²/NDF:11.5/18
Right Out: -0.000+/-0.000 χ²/NDF: 19.6/18
Left In: 0.000+/-0.000 χ²/NDF:9.8/16
Left: 0.000+/-0.000 χ²/NDF: 22.6/35
Right: -0.000+/-0.000 χ²/NDF: 33.3/34
In: 0.000+/-0.000 χ²/NDF:24.6/32
Out: -0.000+/-0.000 χ²/NDF:31.2/37
All: -0.000+/-0.000 χ²/NDF: 56.6/70


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
170
Right In: 0.000+/-0.000 χ²/NDF: 1342263.2/15
Left Out: 0.000+/-0.000 χ²/NDF:966090.2/18
Right Out: 0.000+/-0.000 χ²/NDF: 2066454.3/18
Left In: 0.000+/-0.000 χ²/NDF:1101188.7/16
Left: 0.000+/-0.000 χ²/NDF: 2067950.0/35
Right: 0.000+/-0.000 χ²/NDF: 3409753.0/34
In: 0.000+/-0.000 χ²/NDF:2763528.2/32
Out: 0.000+/-0.000 χ²/NDF:3312695.8/37
All: 0.000+/-0.000 χ²/NDF: 6080913.6/70


asym_atr2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
Right In: -0.105+/-0.145 χ²/NDF: 9.7/15
Left Out: 0.046+/-0.143 χ²/NDF:20.0/18
Right Out: 0.187+/-0.137 χ²/NDF: 23.9/18
Left In: -0.202+/-0.149 χ²/NDF:26.4/16
Left: -0.073+/-0.103 χ²/NDF: 47.9/35
Right: 0.048+/-0.100 χ²/NDF: 35.7/34
In: -0.153+/-0.104 χ²/NDF:36.3/32
Out: 0.119+/-0.099 χ²/NDF:44.4/37
All: -0.010+/-0.072 χ²/NDF: 84.3/70



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 526.551+/-0.101 χ^2/NDF:2116349.6/18

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 535.889+/-0.105 χ^2/NDF:1360249.3/16

Left: 531.026+/-0.073 χ^2/NDF: 3480707.1/35

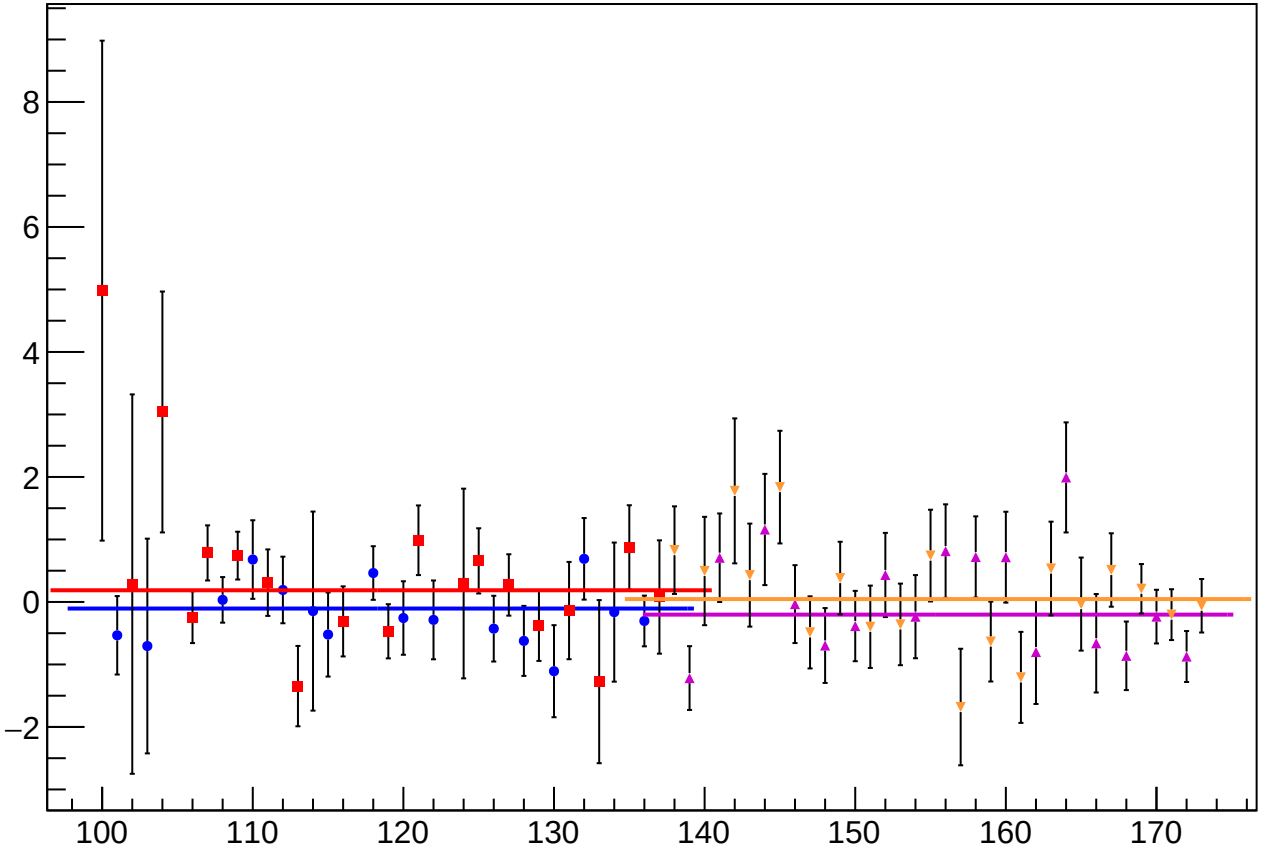
Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 446.591+/-0.073 χ^2/NDF:4141997.6/32

Out: 424.651+/-0.070 χ^2/NDF:6330791.9/37

All: 435.109+/-0.051 χ^2/NDF: 10519646.3/70

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: 0.046+/-0.143 χ^2/NDF:20.0/18

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.202+/-0.149 χ^2/NDF:26.4/16

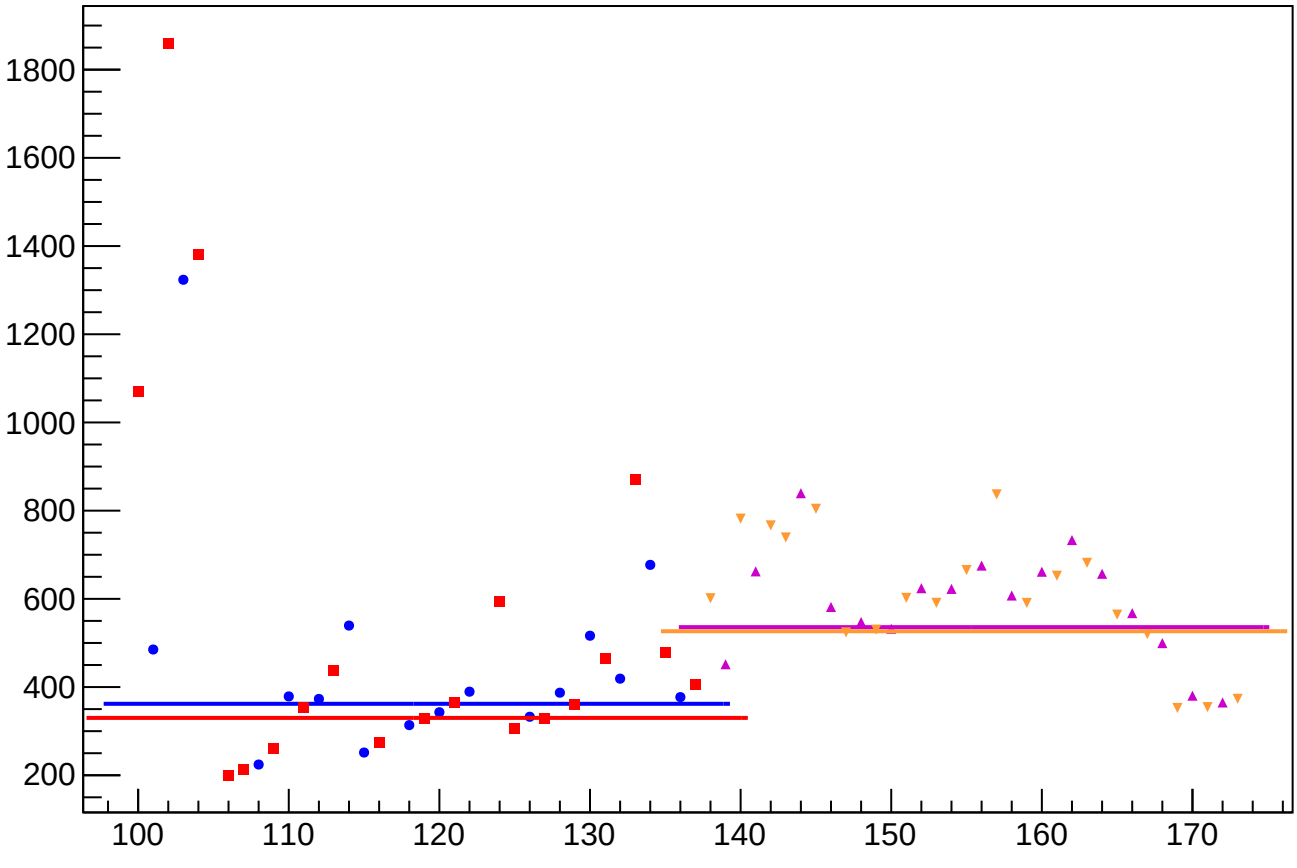
Left: -0.073+/-0.103 χ^2/NDF: 47.9/35

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.153+/-0.104 χ^2/NDF:36.3/32

Out: 0.119+/-0.099 χ^2/NDF:44.4/37

All: -0.010+/-0.072 χ^2/NDF: 84.3/70



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 526.551+/-0.101 χ^2/NDF:2116349.6/18

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 535.889+/-0.105 χ^2/NDF:1360249.3/16

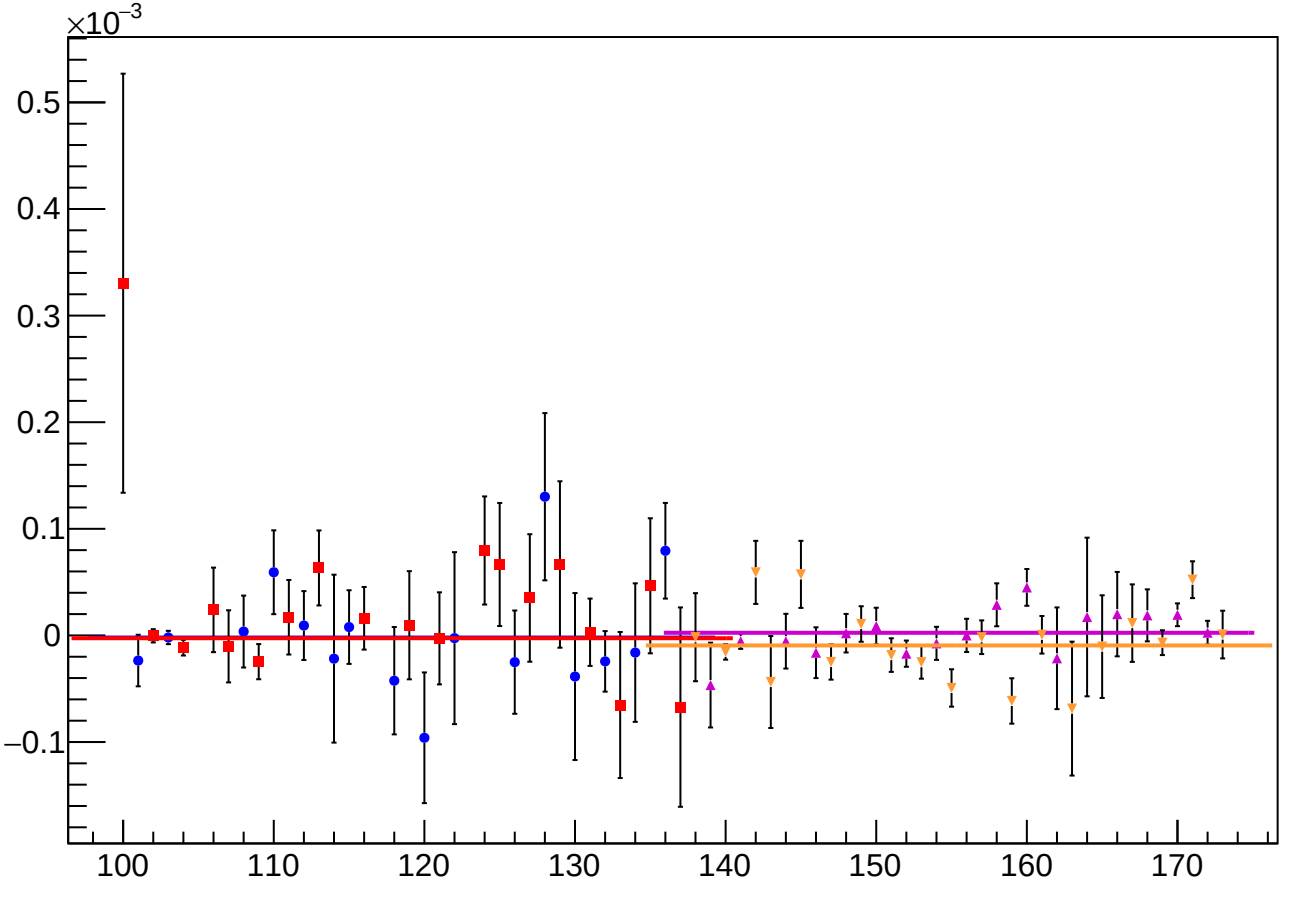
Left: 531.026+/-0.073 χ^2/NDF: 3480707.1/35

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 446.591+/-0.073 χ^2/NDF:4141997.6/32

Out: 424.651+/-0.070 χ^2/NDF:6330791.9/37

All: 435.109+/-0.051 χ^2/NDF: 10519646.3/70



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

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/18

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:17.7/16

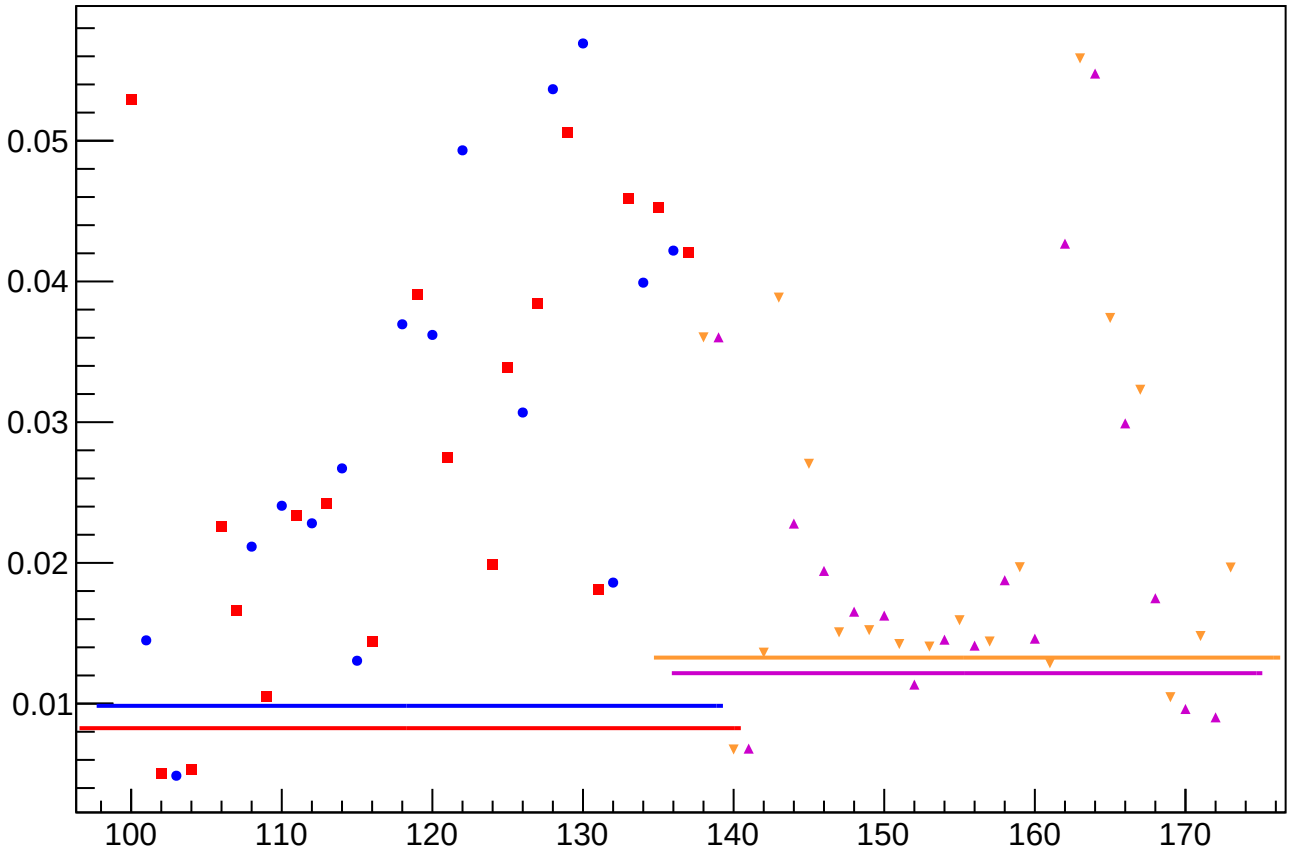
Left: -0.000+/-0.000 χ^2/NDF: 63.3/35

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: 0.000+/-0.000 χ^2/NDF:32.0/32

Out: -0.000+/-0.000 χ^2/NDF:60.4/37

All: -0.000+/-0.000 χ^2/NDF: 95.3/70



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.013+/-0.000 χ^2/NDF:5841835.7/18

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.012+/-0.000 χ^2/NDF:5163250.6/16

Left: 0.013+/-0.000 χ^2/NDF: 11087145.3/35

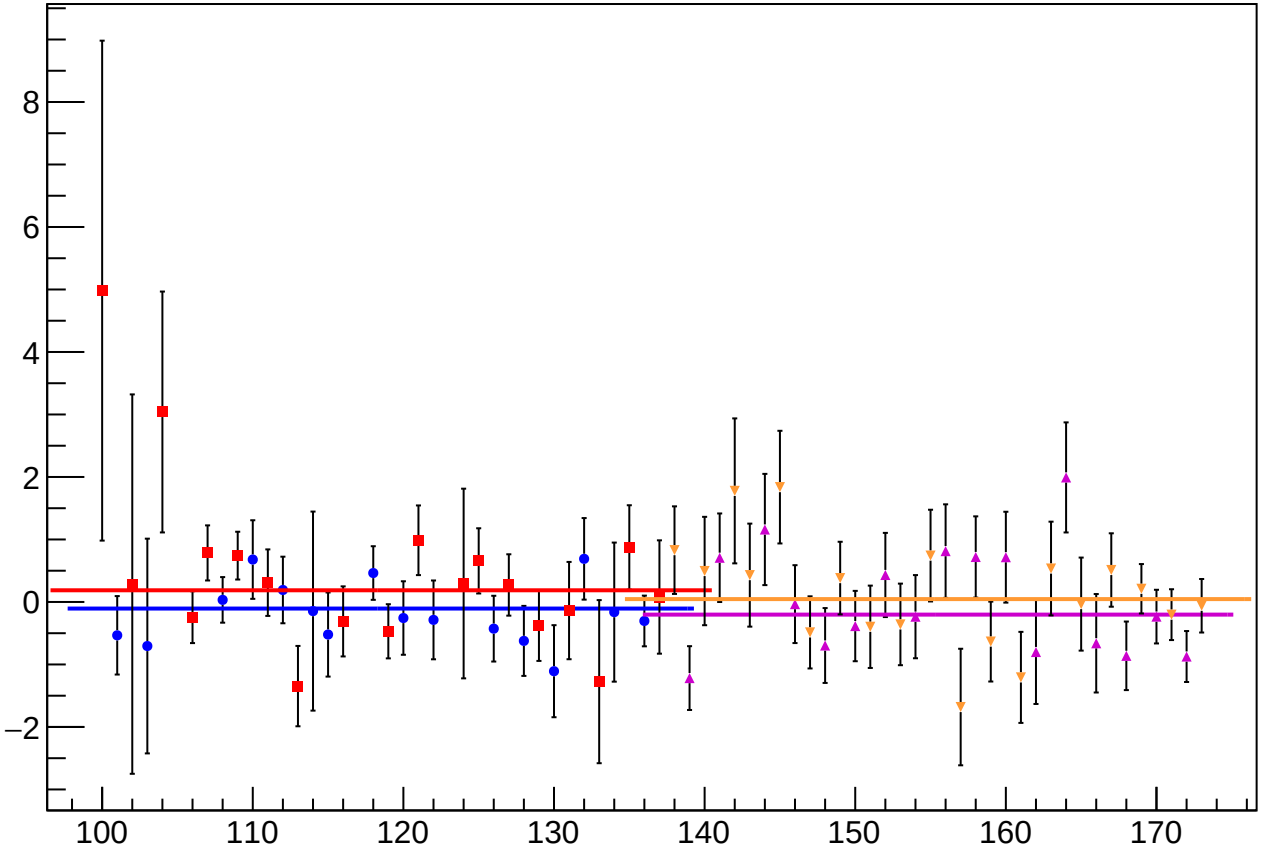
Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.011+/-0.000 χ^2/NDF:12462787.8/32

Out: 0.011+/-0.000 χ^2/NDF:14085595.0/37

All: 0.011+/-0.000 χ^2/NDF: 26572810.2/70

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.046+/-0.143 χ^2/NDF:20.0/18

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.202+/-0.149 χ^2/NDF:26.4/16

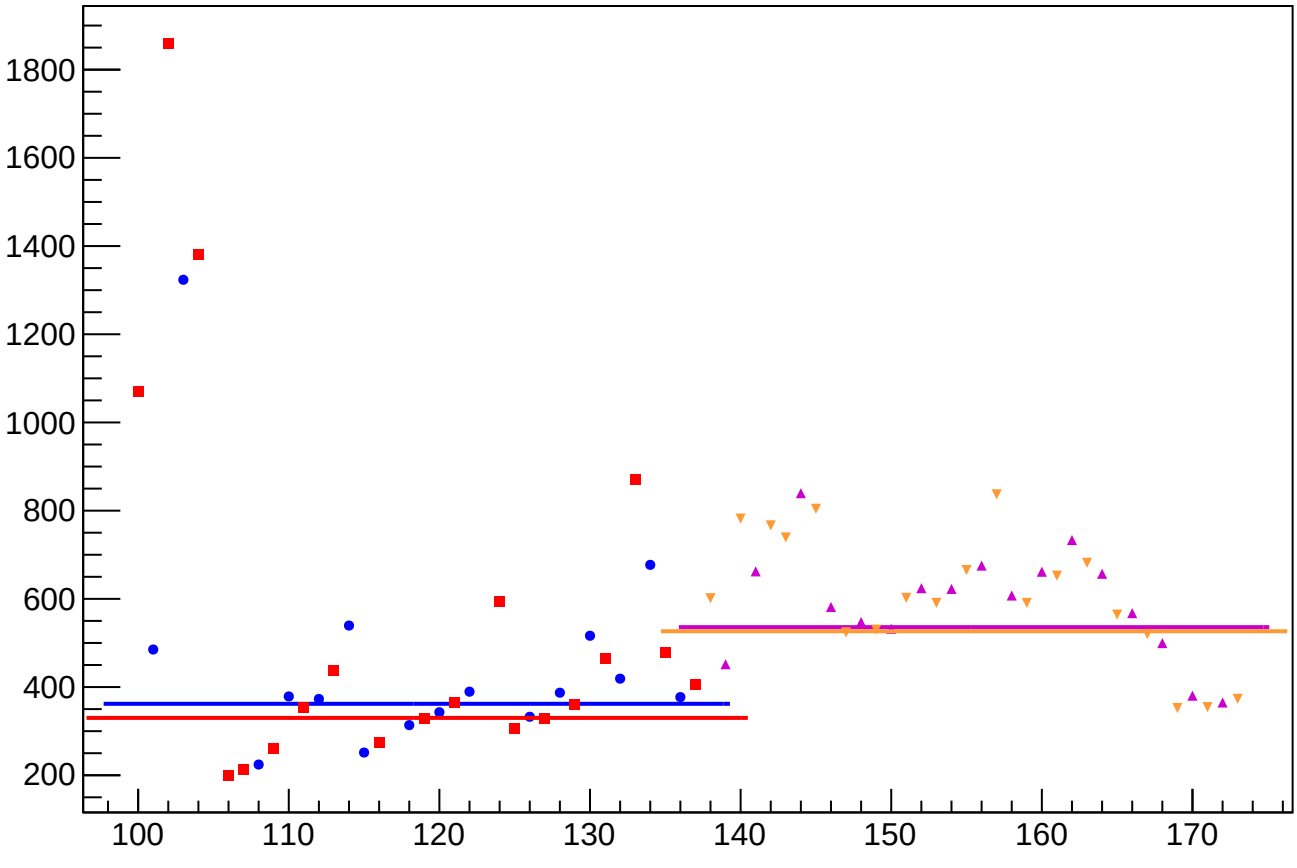
Left: -0.073+/-0.103 χ^2/NDF: 47.9/35

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.153+/-0.104 χ^2/NDF:36.3/32

Out: 0.119+/-0.099 χ^2/NDF:44.4/37

All: -0.010+/-0.072 χ^2/NDF: 84.3/70



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 526.555+/-0.101 χ^2/NDF:2116462.9/18

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 535.896+/-0.105 χ^2/NDF:1360287.0/16

Left: 531.031+/-0.073 χ^2/NDF: 3480860.3/35

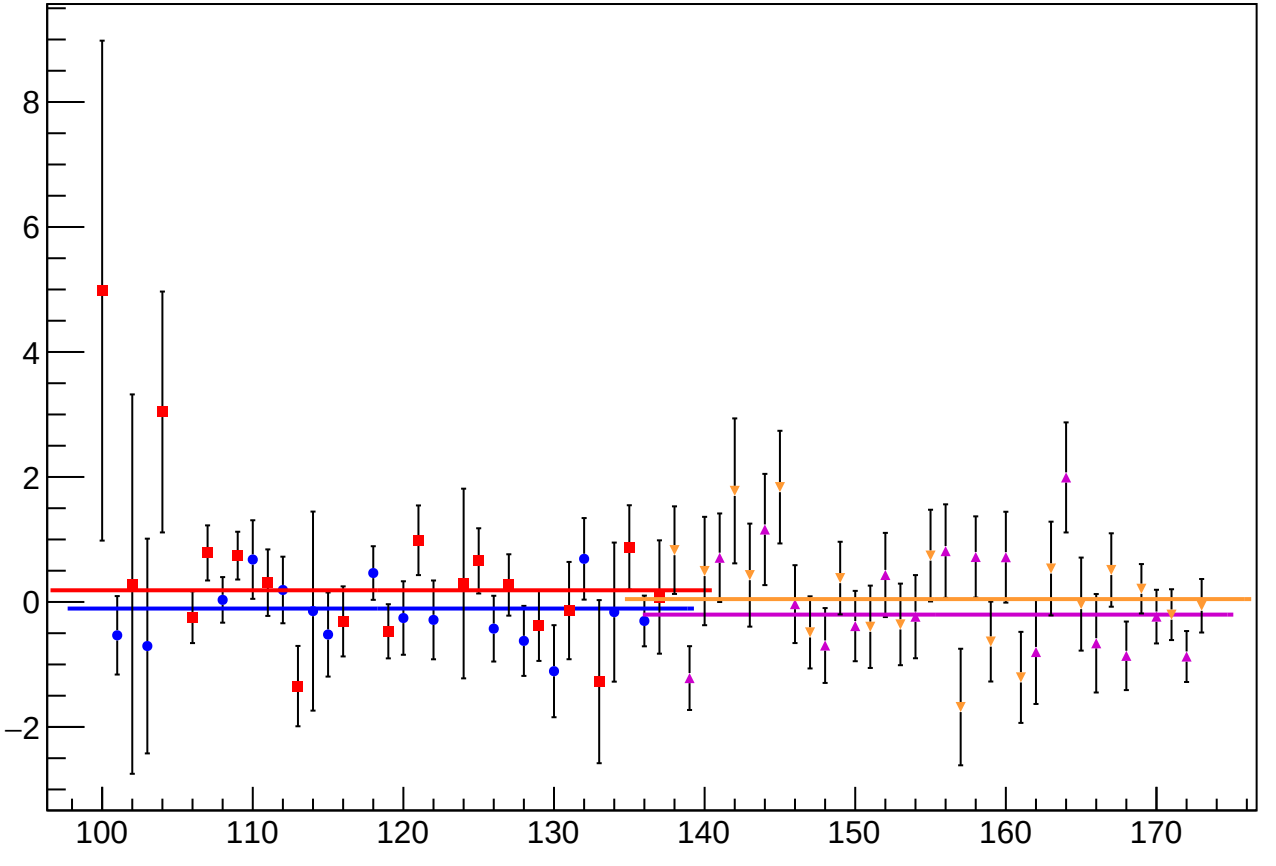
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 446.591+/-0.073 χ^2/NDF:4142177.3/32

Out: 424.651+/-0.070 χ^2/NDF:6330988.5/37

All: 435.109+/-0.051 χ^2/NDF: 10520023.5/70

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: 0.046+/-0.143 χ^2/NDF:20.0/18

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.202+/-0.149 χ^2/NDF:26.4/16

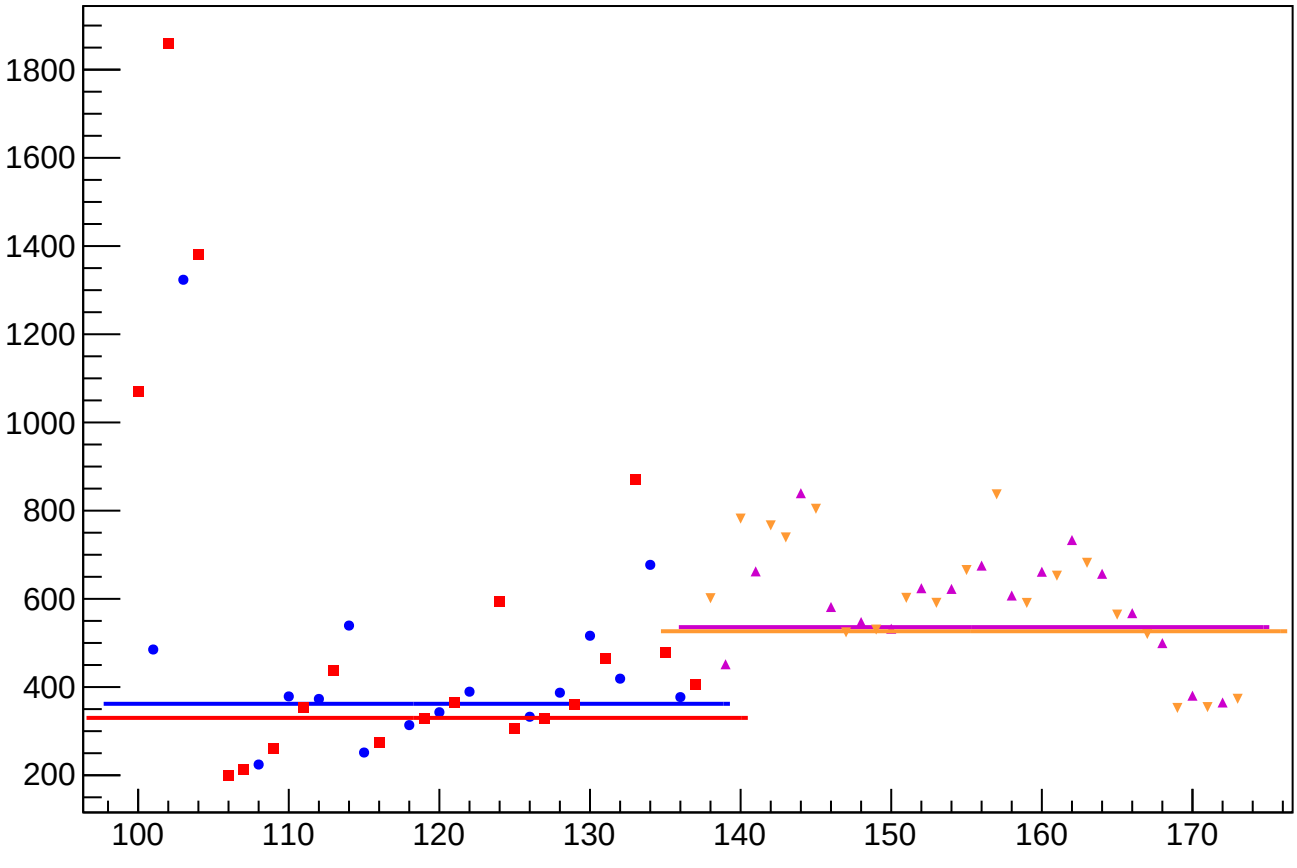
Left: -0.073+/-0.103 χ^2/NDF: 47.9/35

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.153+/-0.104 χ^2/NDF:36.3/32

Out: 0.119+/-0.099 χ^2/NDF:44.4/37

All: -0.010+/-0.072 χ^2/NDF: 84.3/70



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 526.555+/-0.101 χ^2/NDF:2116462.9/18

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 535.896+/-0.105 χ^2/NDF:1360287.0/16

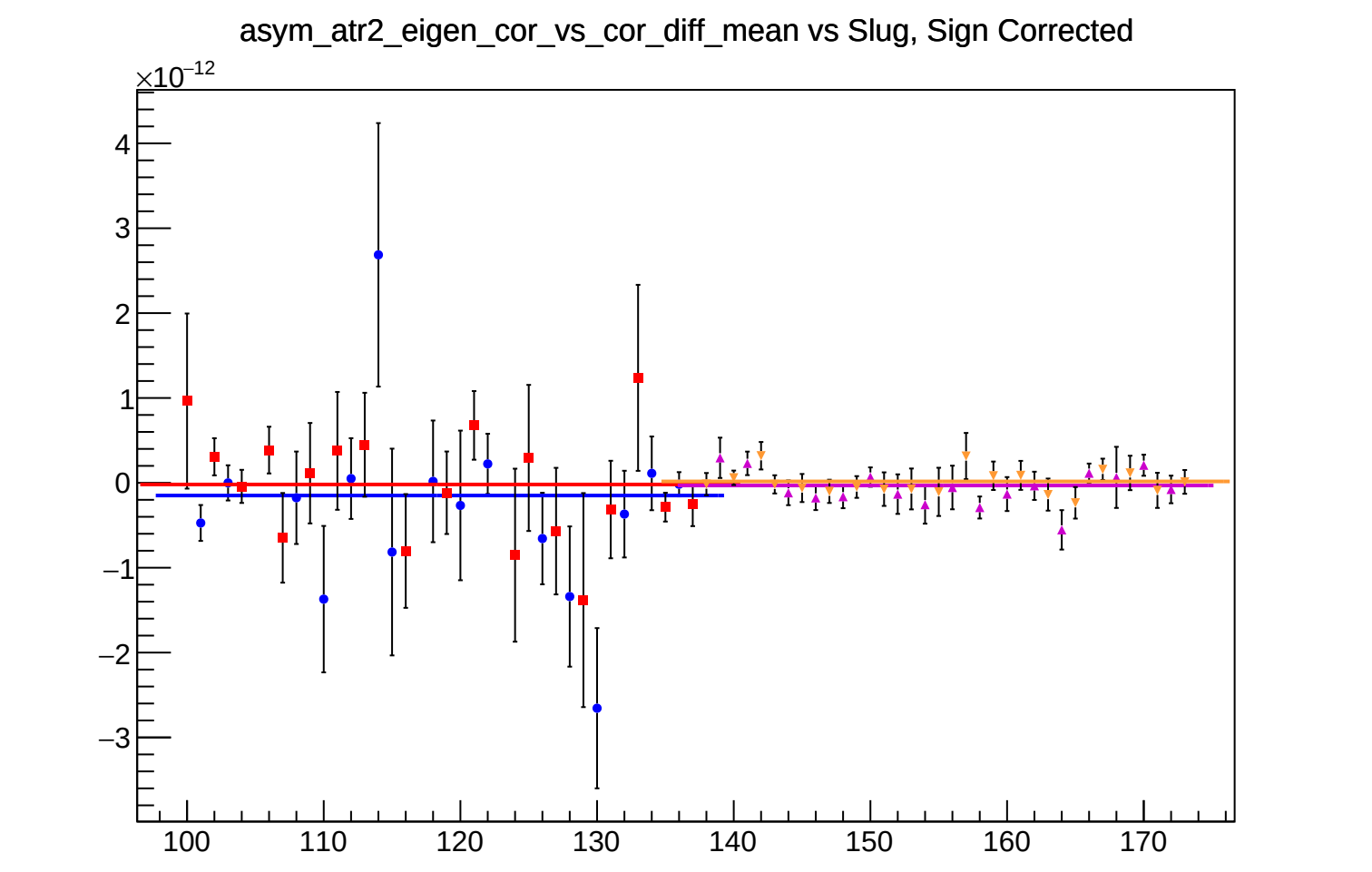
Left: 531.031+/-0.073 χ^2/NDF: 3480860.3/35

Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 446.591+/-0.073 χ^2/NDF:4142177.3/32

Out: 424.651+/-0.070 χ^2/NDF:6330988.5/37

All: 435.109+/-0.051 χ^2/NDF: 10520023.5/70



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

Left Out: 0.000+/-0.000 χ^2/NDF:11.5/18

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:24.5/16

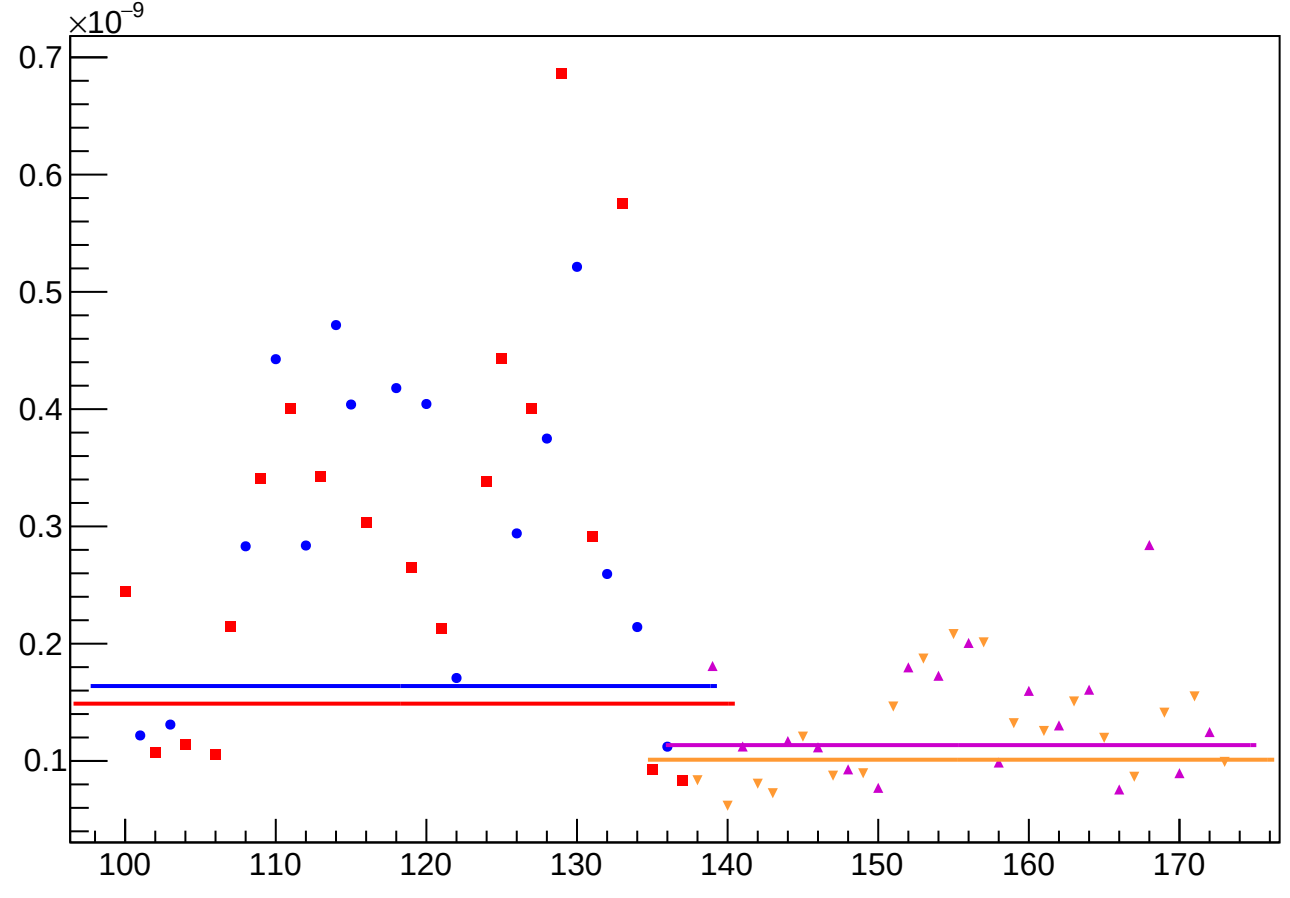
Left: -0.000+/-0.000 χ^2/NDF: 36.9/35

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:47.3/32

Out: 0.000+/-0.000 χ^2/NDF:31.1/37

All: -0.000+/-0.000 χ^2/NDF: 80.1/70



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2125432.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1937677.6/16

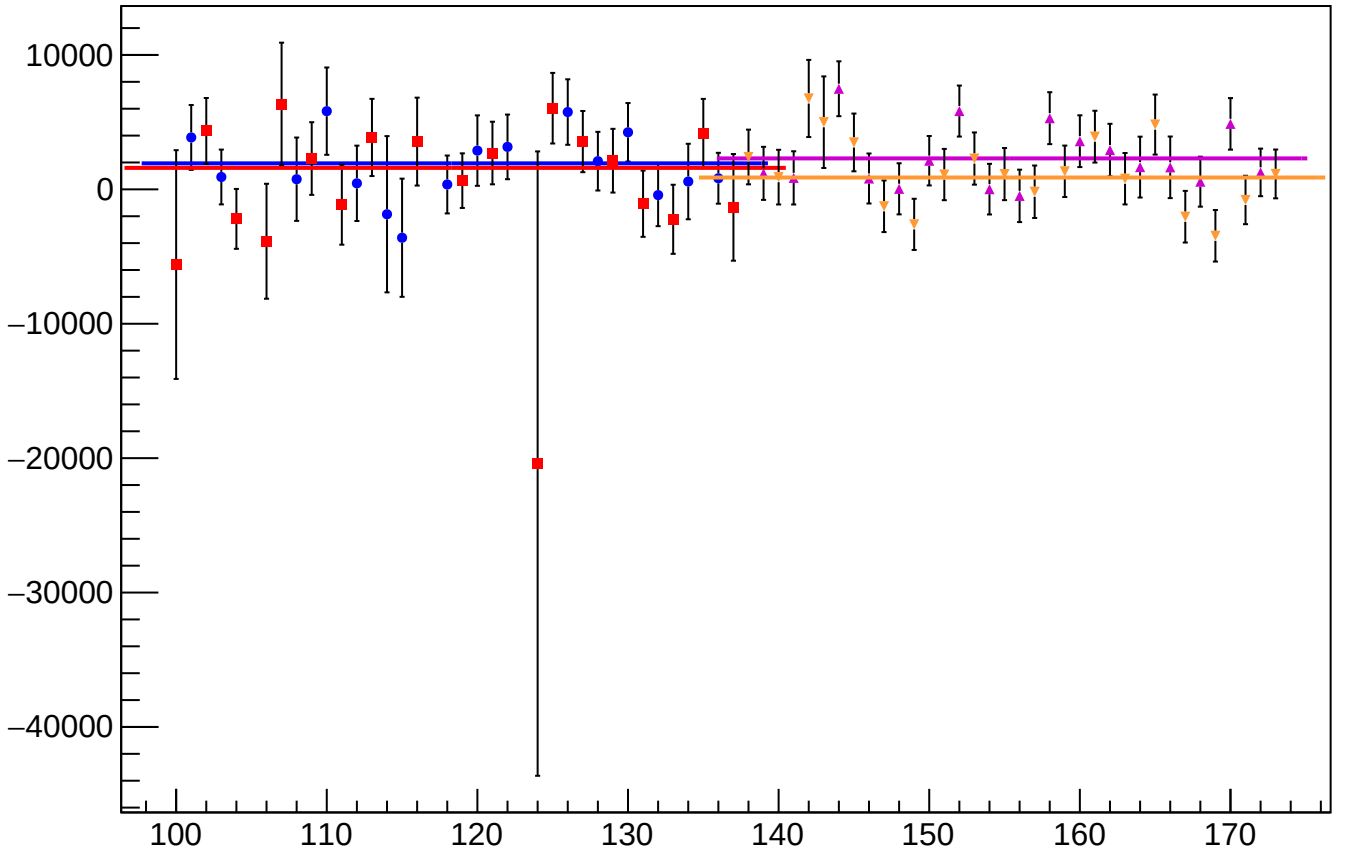
Left: 0.000+/-0.000 χ^2/NDF: 4178776.9/35

Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:4507032.6/32

Out: 0.000+/-0.000 χ^2/NDF:5530244.1/37

All: 0.000+/-0.000 χ^2/NDF: 10200322.0/70



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 880.833+/-461.633 χ^2/NDF:27.1/18

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 2303.490+/-471.323 χ^2/NDF:22.5/16

Left: 1577.387+/-329.796 χ^2/NDF: 54.2/35

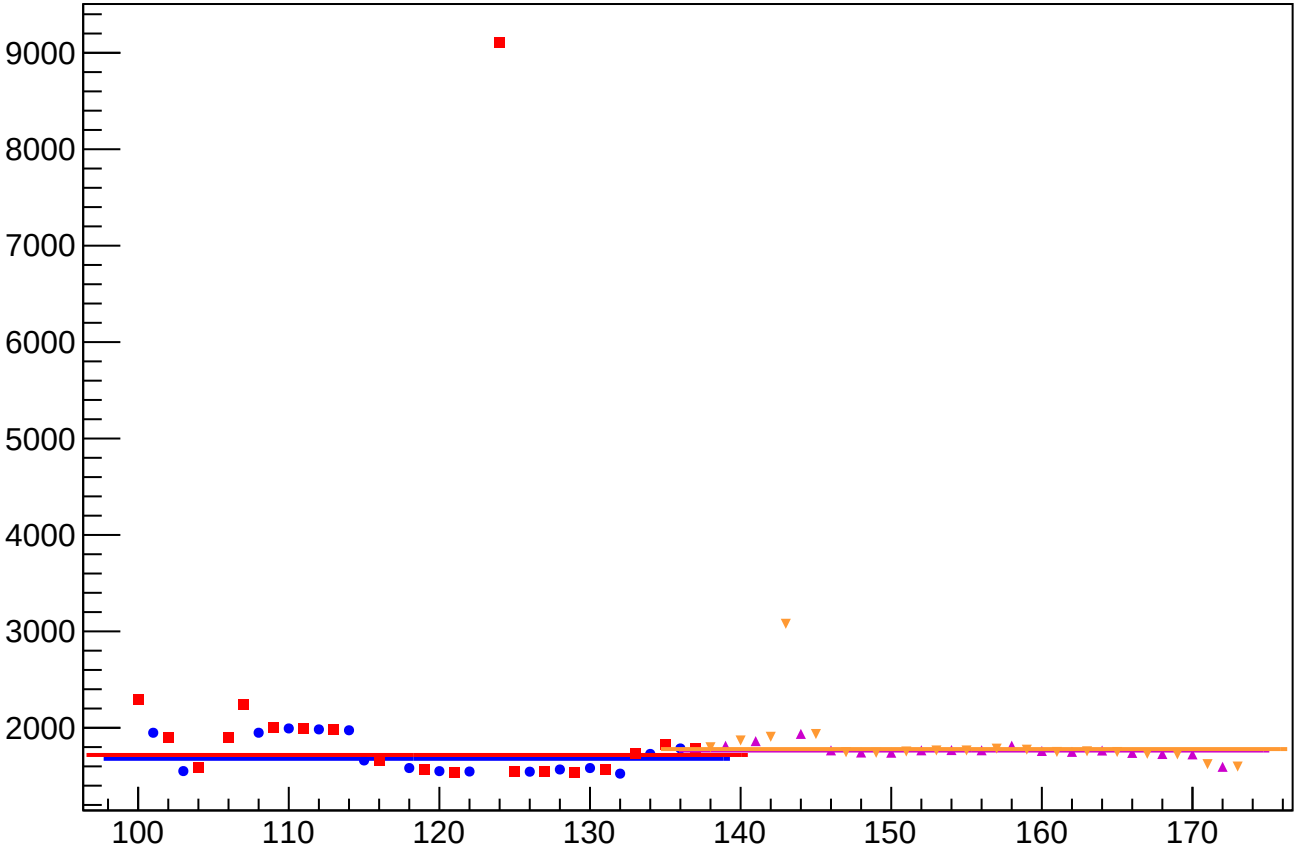
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2170.595+/-376.938 χ^2/NDF:33.6/32

Out: 1125.141+/-374.840 χ^2/NDF:47.3/37

All: 1644.950+/-265.791 χ^2/NDF: 84.7/70

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1779.343+/-0.326 χ^2/NDF:350462.2/18

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1764.274+/-0.333 χ^2/NDF:42477.6/16

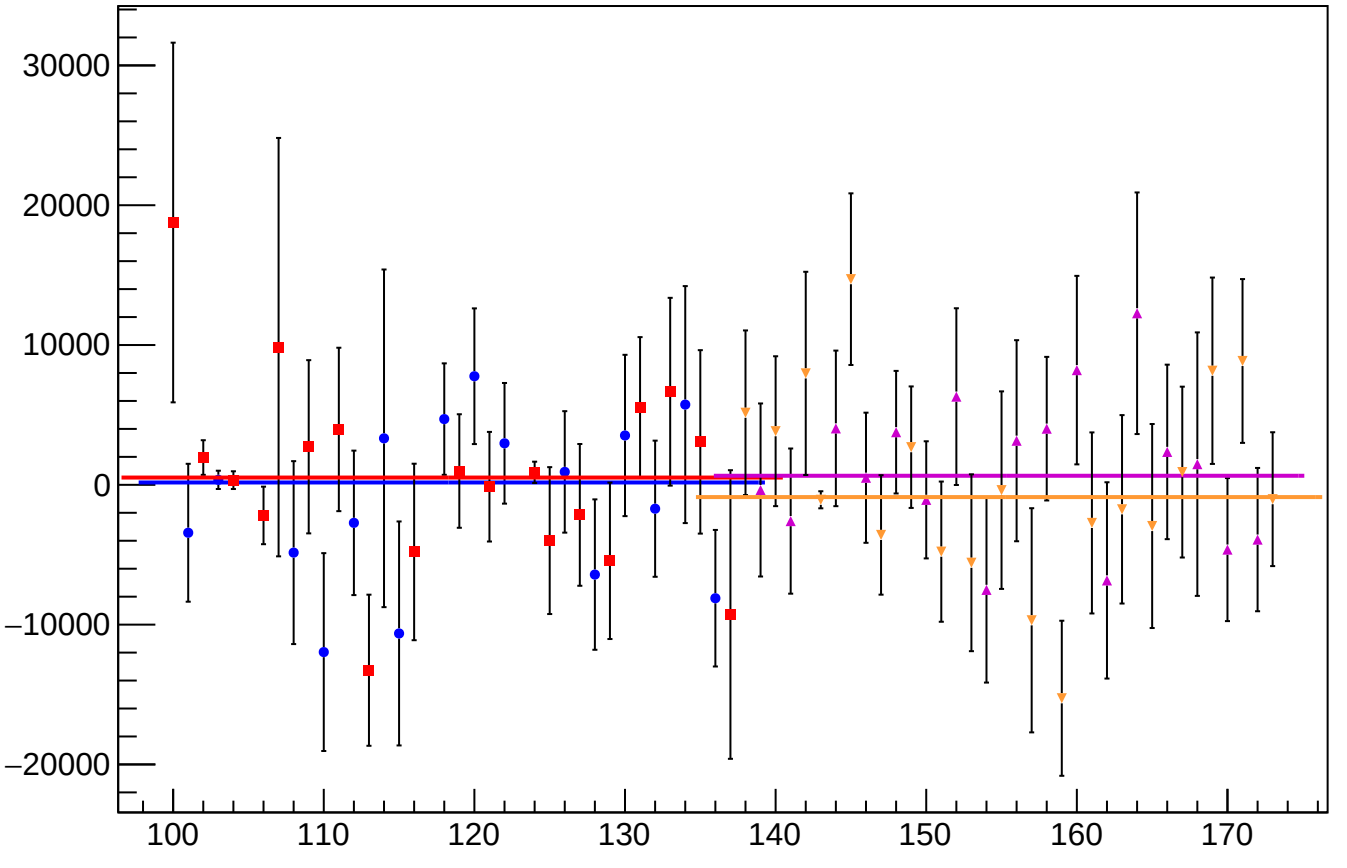
Left: 1771.965+/-0.233 χ^2/NDF: 393983.3/35

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1733.376+/-0.267 χ^2/NDF:207809.0/32

Out: 1758.421+/-0.265 χ^2/NDF:745625.1/37

All: 1745.989+/-0.188 χ^2/NDF: 957880.7/70



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -876.447+/-557.239 χ^2/NDF:24.9/18

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 648.766+/-1380.597 χ^2/NDF:10.5/16

Left: -662.782+/-516.735 χ^2/NDF: 36.4/35

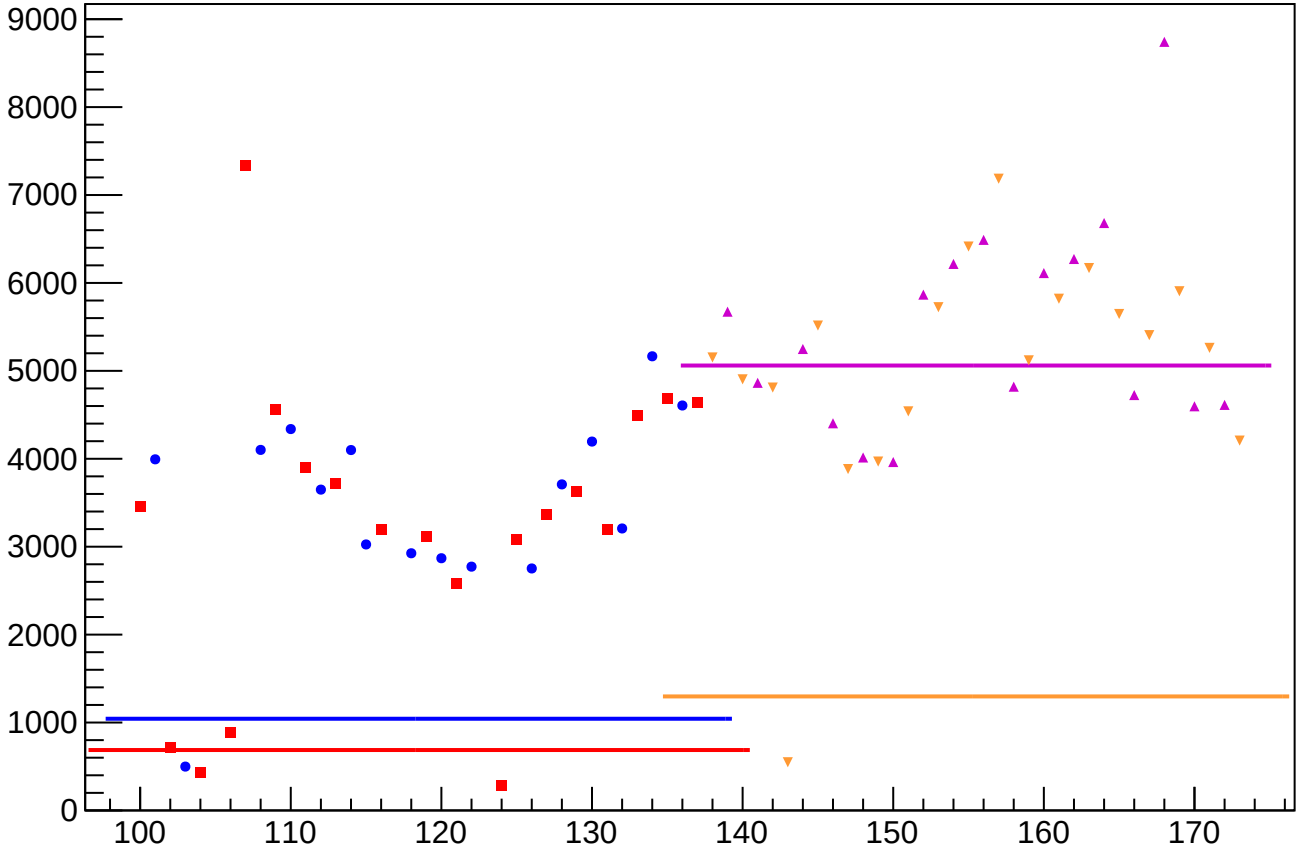
Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 242.824+/-543.783 χ^2/NDF:26.4/32

Out: 7.448+/-337.821 χ^2/NDF:47.4/37

All: 72.993+/-286.956 χ^2/NDF: 74.0/70

asym_atl_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1296.899+/-0.394 χ^2/NDF:18815786.4/18

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 5060.644+/-0.976 χ^2/NDF:1013863.5/16

Left: 1824.156+/-0.365 χ^2/NDF: 32611401.3/35

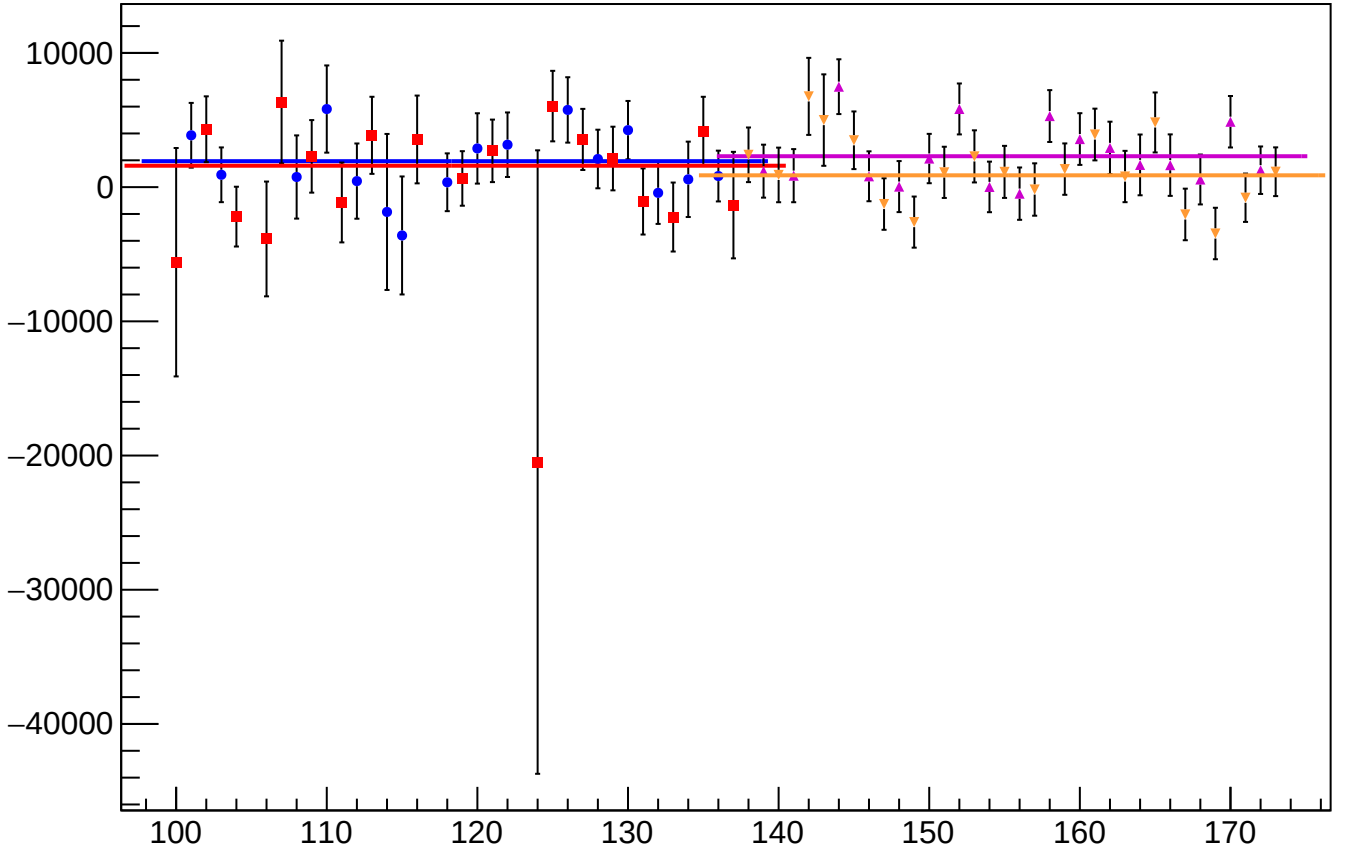
Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1666.388+/-0.385 χ^2/NDF:23434442.2/32

Out: 911.364+/-0.239 χ^2/NDF:28960998.0/37

All: 1121.615+/-0.203 χ^2/NDF: 55177424.5/7

cor_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 880.829+/-461.633 χ^2/NDF:27.1/18

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2303.541+/-471.323 χ^2/NDF:22.5/16

Left: 1577.410+/-329.796 χ^2/NDF: 54.2/35

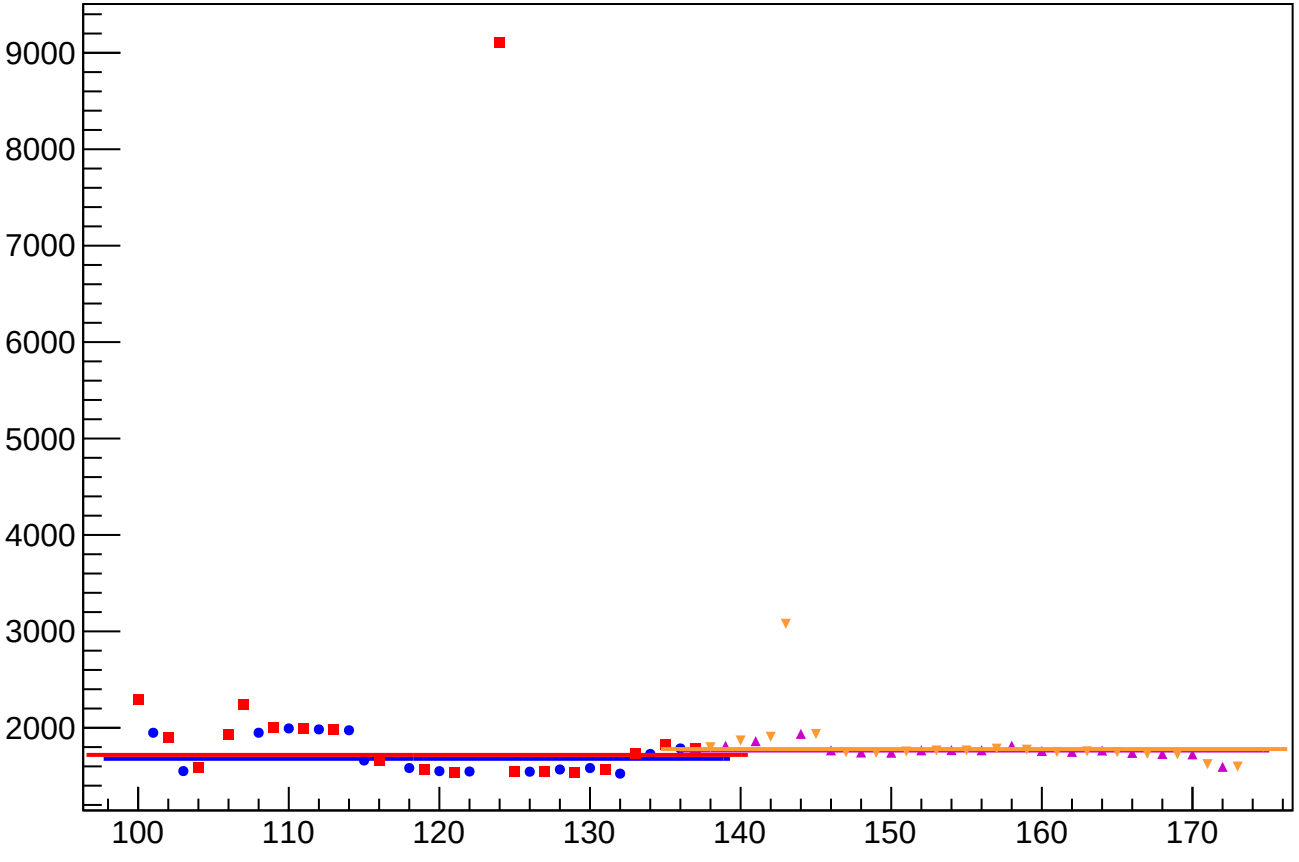
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2170.669+/-376.938 χ^2/NDF:33.6/32

Out: 1124.306+/-374.841 χ^2/NDF:47.3/37

All: 1644.569+/-265.791 χ^2/NDF: 84.7/70

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1779.343+/-0.326 χ^2/NDF:350462.2/18

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1764.274+/-0.333 χ^2/NDF:42477.6/16

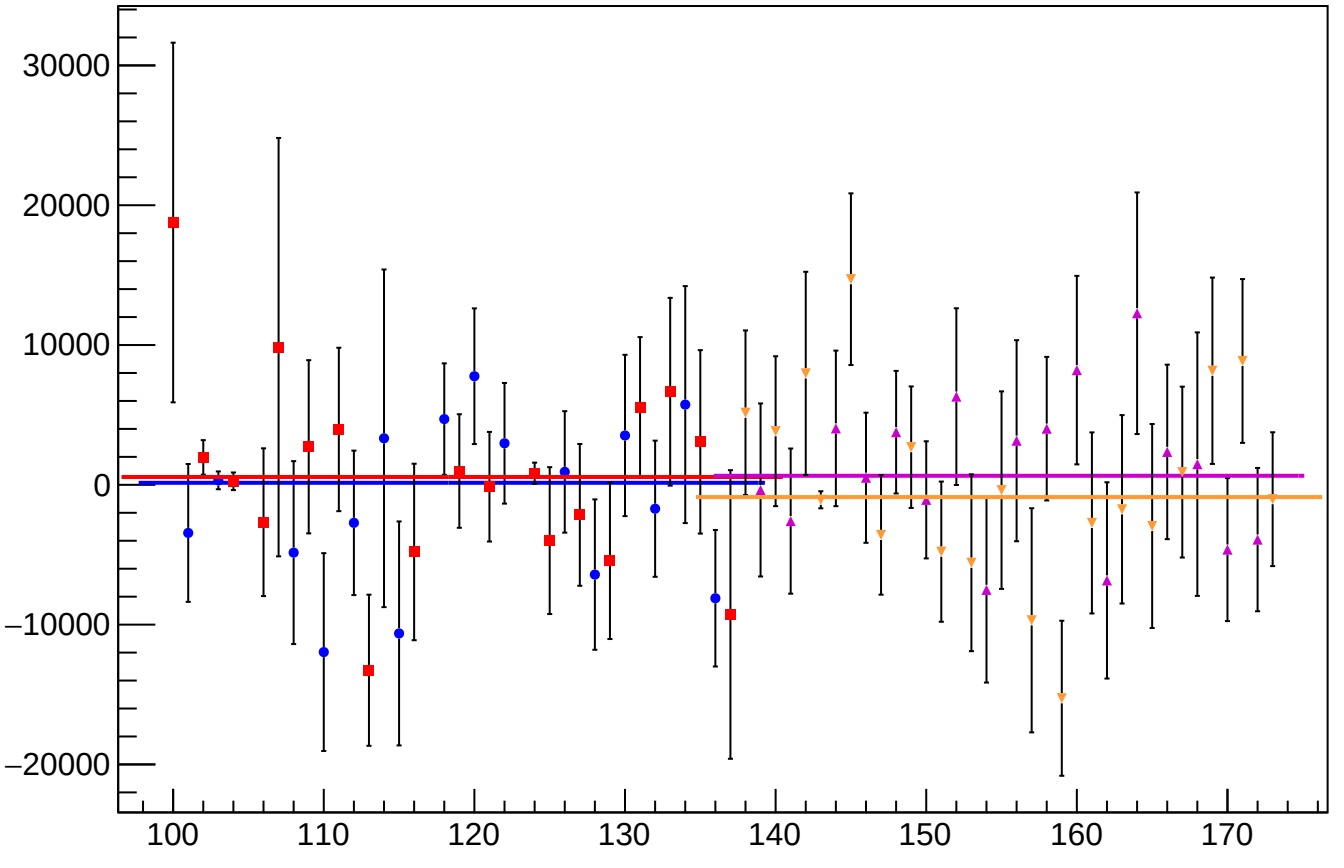
Left: 1771.965+/-0.233 χ^2/NDF: 393983.3/35

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1733.376+/-0.267 χ^2/NDF:207809.2/32

Out: 1758.721+/-0.265 χ^2/NDF:747035.2/37

All: 1746.137+/-0.188 χ^2/NDF: 959397.2/70



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -876.118+/-557.220 χ^2/NDF:24.9/18

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 648.846+/-1380.596 χ^2/NDF:10.5/16

Left: -662.501+/-516.720 χ^2/NDF: 36.4/35

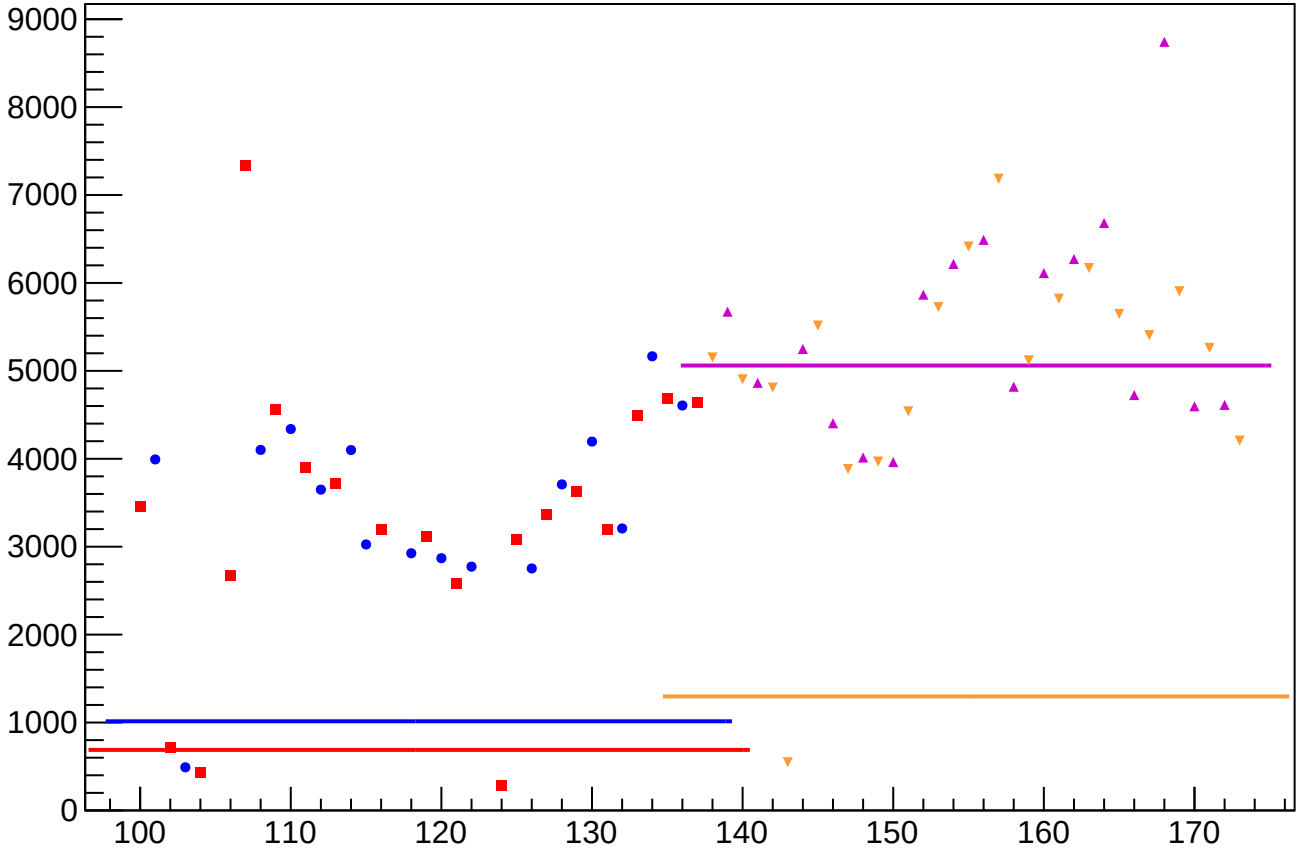
Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 221.758+/-534.224 χ^2/NDF:26.4/32

Out: 23.925+/-340.732 χ^2/NDF:46.3/37

All: 81.132+/-287.274 χ^2/NDF: 72.8/70

asym_atl_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1296.829+/-0.394 χ^2/NDF:18816221.4/18

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5060.639+/-0.976 χ^2/NDF:1013883.1/16

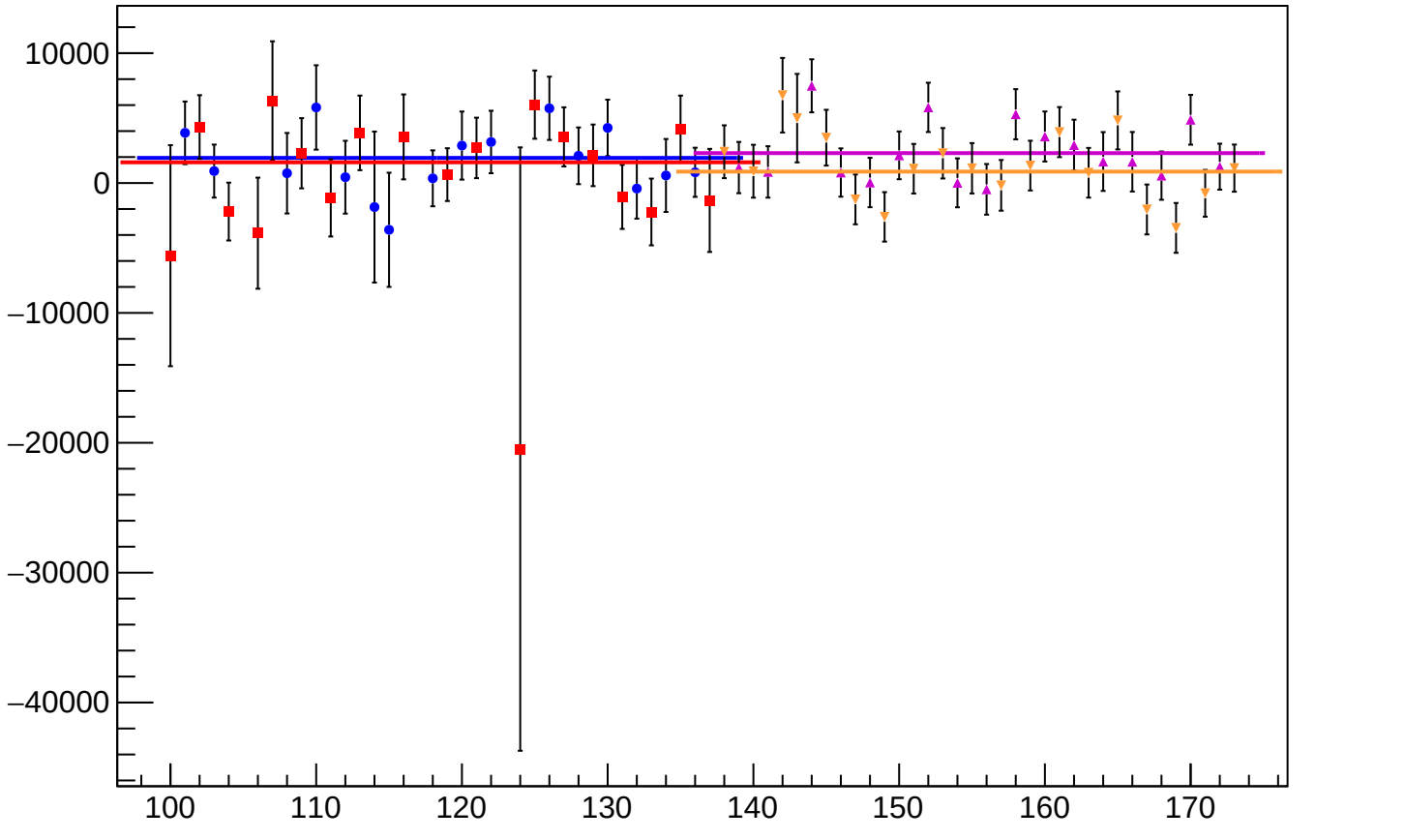
Left: 1824.065+/-0.365 χ^2/NDF: 32612435.1/35

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1619.991+/-0.378 χ^2/NDF:23845931.1/32

Out: 916.310+/-0.241 χ^2/NDF:29216275.9/37

All: 1119.790+/-0.203 χ^2/NDF: 55528829.4/7



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 880.829+/-461.633 χ^2/NDF:27.1/18

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2303.541+/-471.323 χ^2/NDF:22.5/16

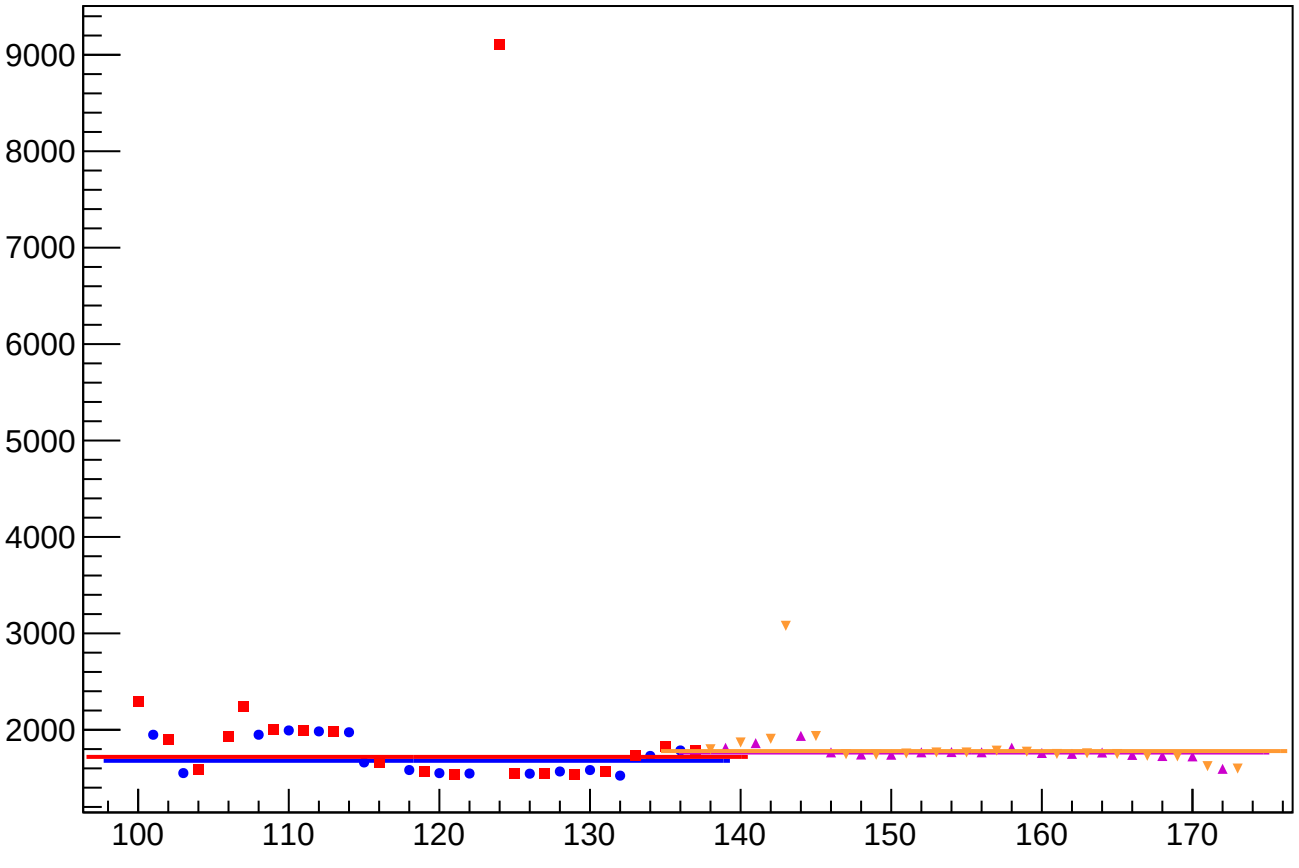
Left: 1577.410+/-329.796 χ^2/NDF: 54.2/35

Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2170.669+/-376.938 χ^2/NDF:33.6/32

Out: 1124.306+/-374.841 χ^2/NDF:47.3/37

All: 1644.569+/-265.791 χ^2/NDF: 84.7/70



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1779.343+/-0.326 χ^2/NDF:350462.2/18

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1764.274+/-0.333 χ^2/NDF:42477.6/16

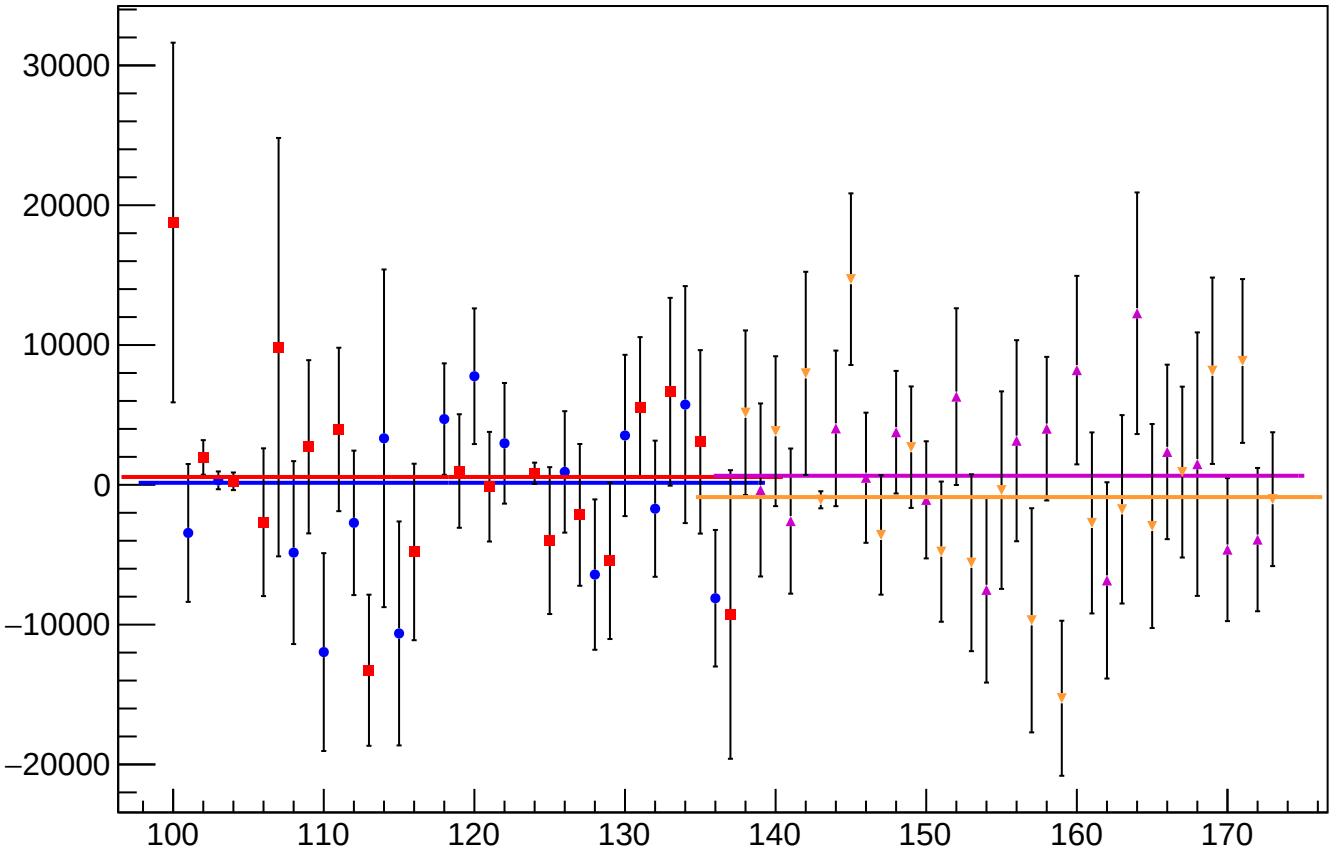
Left: 1771.965+/-0.233 χ^2/NDF: 393983.3/35

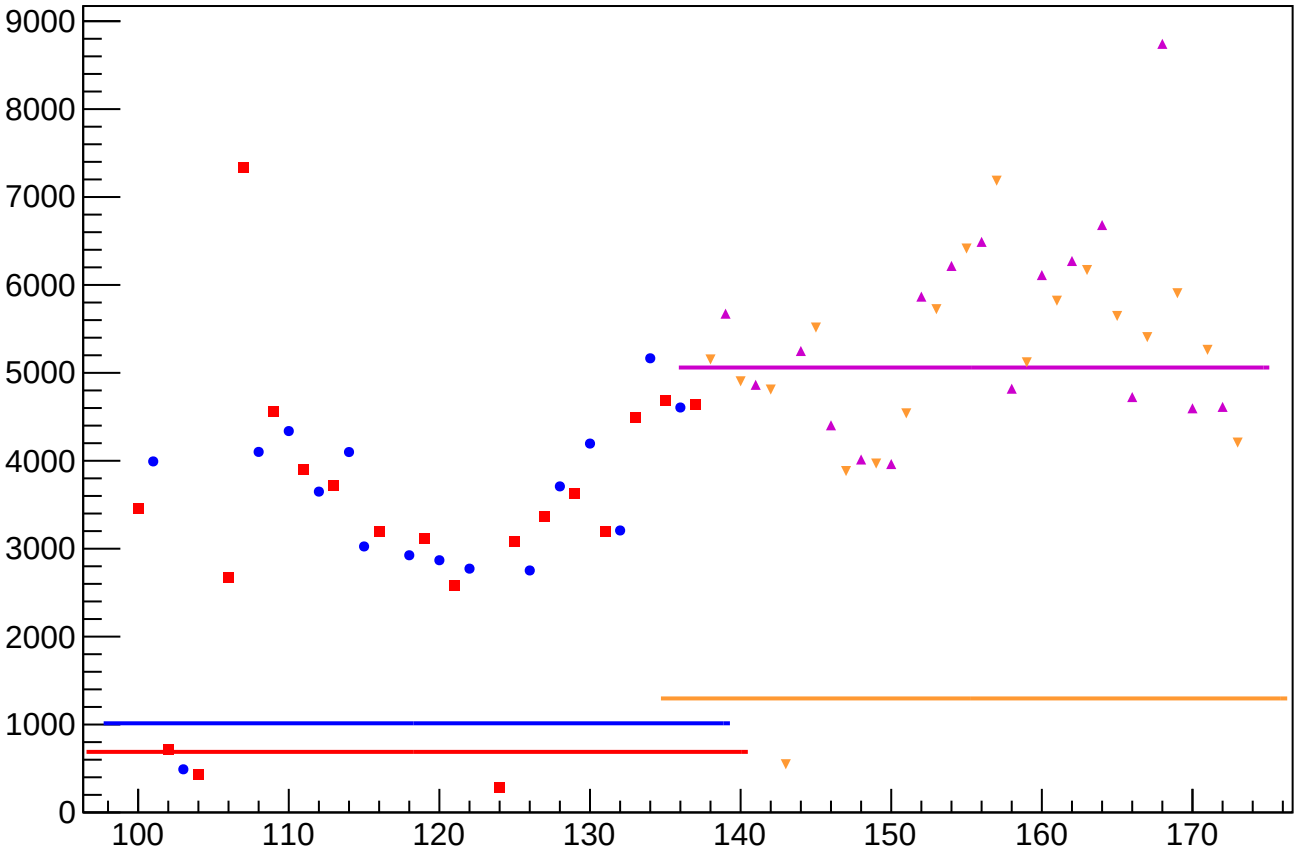
Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1733.376+/-0.267 χ^2/NDF:207809.2/32

Out: 1758.721+/-0.265 χ^2/NDF:747035.2/37

All: 1746.137+/-0.188 χ^2/NDF: 959397.2/70


asym_atl_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 146.548+/-579.356 χ²/NDF: 15.8/15
Left Out: -876.118+/-557.220 χ²/NDF:24.9/18
Right Out: 561.454+/-430.621 χ²/NDF: 17.2/18
Left In: 648.846+/-1380.596 χ²/NDF:10.5/16
Left: -662.501+/-516.720 χ²/NDF: 36.4/35
Right: 413.806+/-345.609 χ²/NDF: 33.3/34
In: 221.758+/-534.224 χ²/NDF:26.4/32
Out: 23.925+/-340.732 χ²/NDF:46.3/37
All: 81.132+/-287.274 χ²/NDF: 72.8/70



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1296.829+/-0.394 χ^2/NDF:18816221.4/18

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5060.639+/-0.976 χ^2/NDF:1013883.1/16

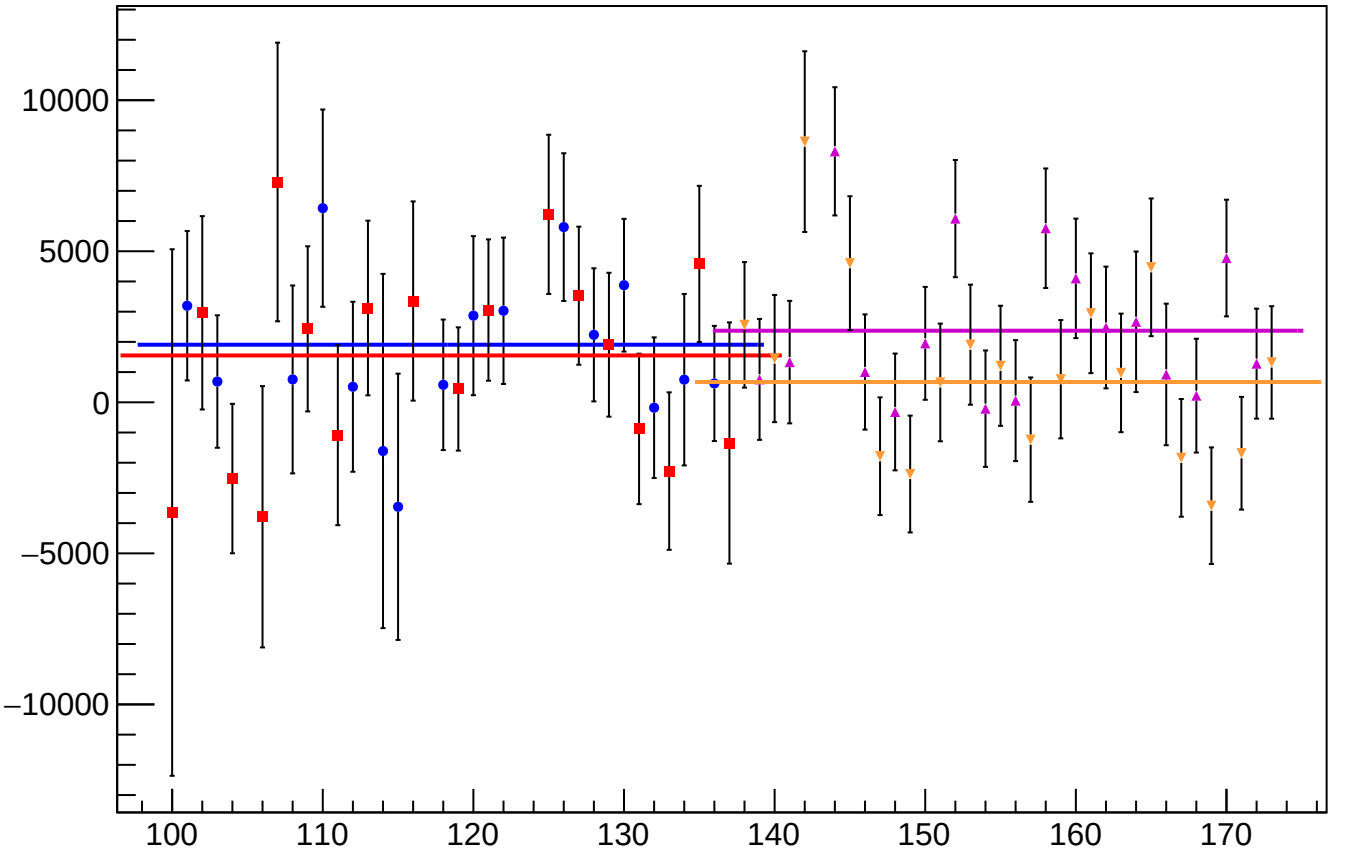
Left: 1824.065+/-0.365 χ^2/NDF: 32612435.1/35

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1619.991+/-0.378 χ^2/NDF:23845931.1/32

Out: 916.310+/-0.241 χ^2/NDF:29216275.9/37

All: 1119.790+/-0.203 χ^2/NDF: 55528829.4/7



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 671.550+/-477.565 χ^2/NDF:28.6/17

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 2369.684+/-482.005 χ^2/NDF:25.3/16

Left: 1512.760+/-339.248 χ^2/NDF: 60.2/34

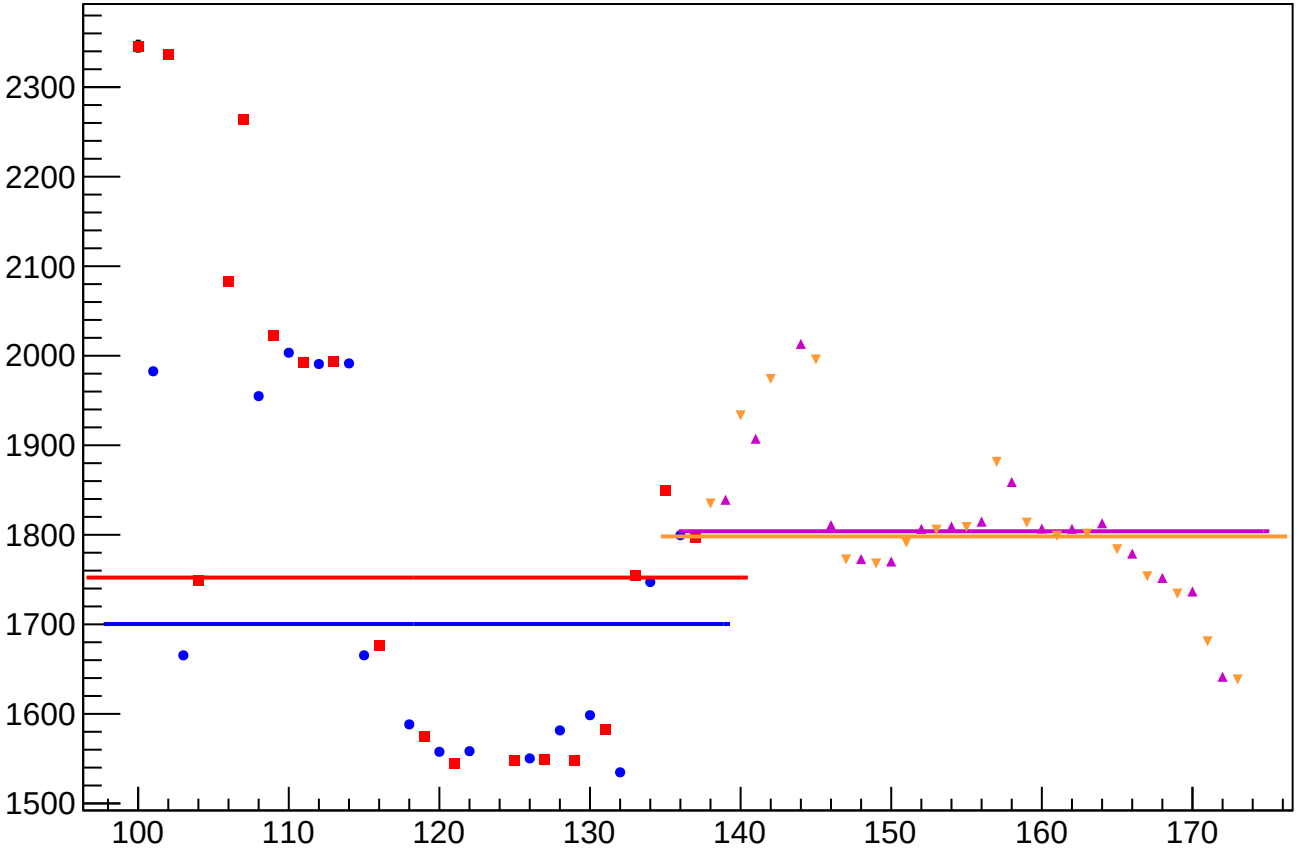
Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2200.742+/-384.243 χ^2/NDF:35.9/32

Out: 973.134+/-387.114 χ^2/NDF:47.2/35

All: 1591.506+/-272.710 χ^2/NDF: 88.2/68

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1798.176+/-0.338 χ^2/NDF:61952.7/17

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1803.970+/-0.341 χ^2/NDF:48254.5/16

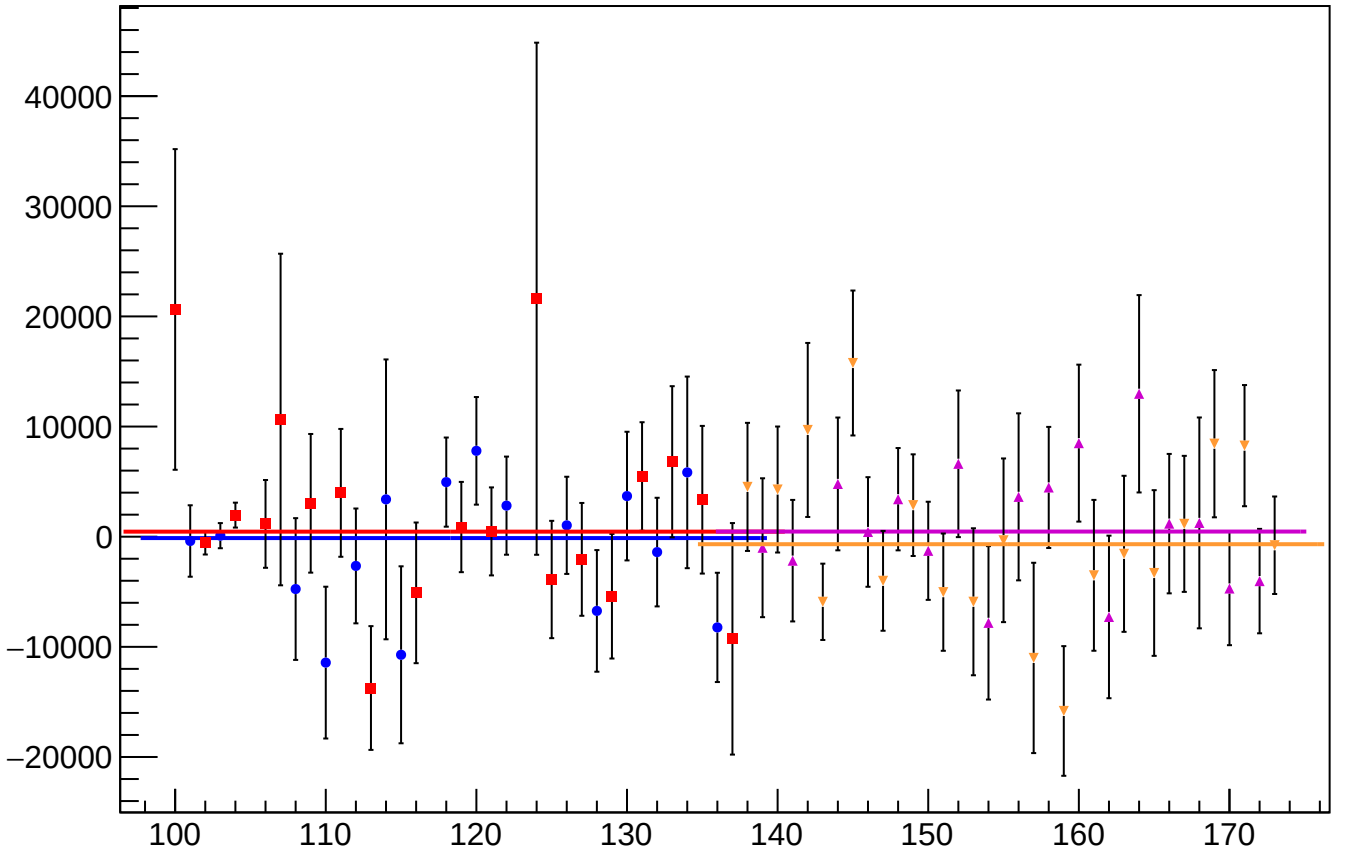
Left: 1801.046+/-0.240 χ^2/NDF: 110353.1/34

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1766.203+/-0.272 χ^2/NDF:217361.1/32

Out: 1782.375+/-0.274 χ^2/NDF:316270.4/35

All: 1774.235+/-0.193 χ^2/NDF: 535391.3/68



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -681.032+/-1304.059 χ^2/NDF:27.2/18

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 466.802+/-1435.927 χ^2/NDF:10.6/16

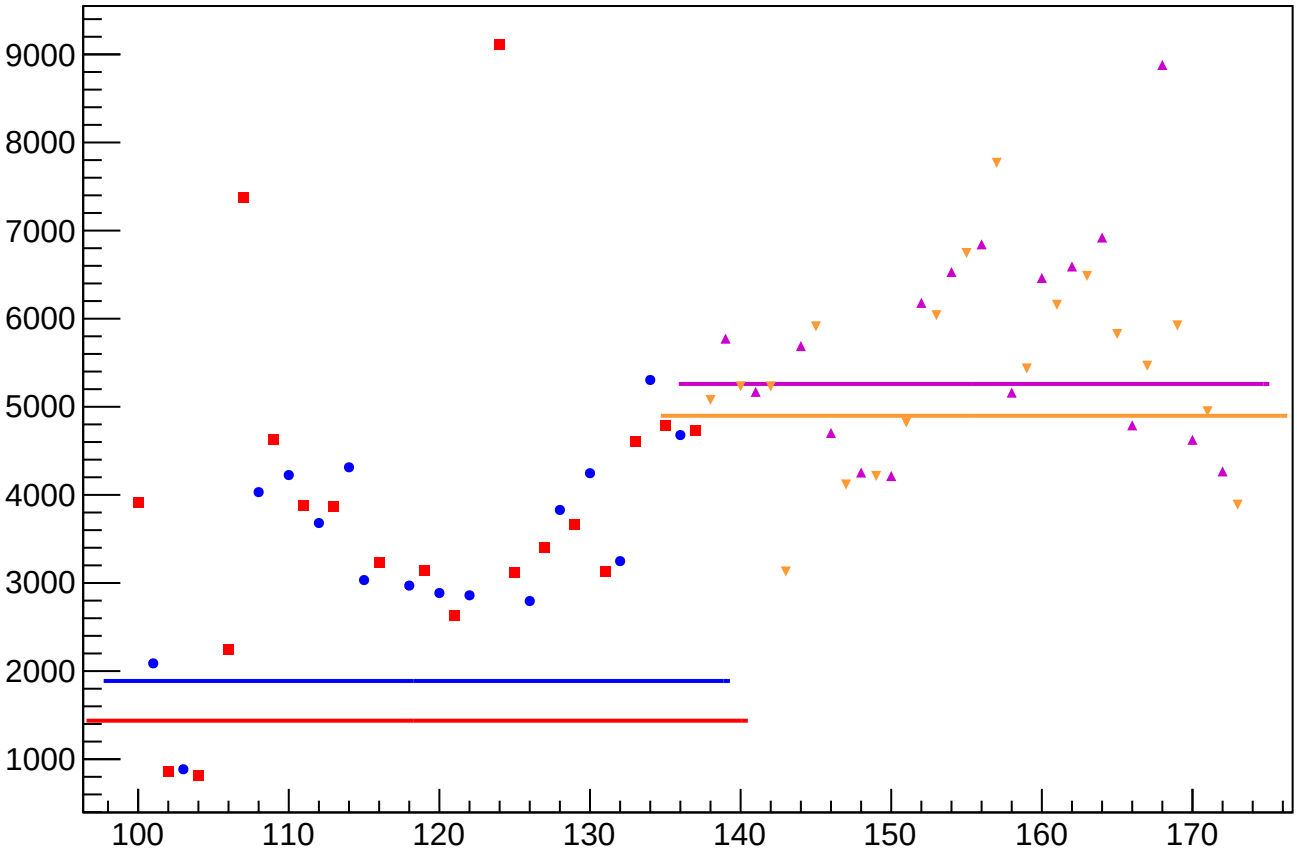
Left: -162.229+/-965.370 χ^2/NDF: 38.1/35

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: 32.939+/-742.607 χ^2/NDF:25.8/32

Out: 216.098+/-602.361 χ^2/NDF:46.3/37

All: 143.412+/-467.811 χ^2/NDF: 72.1/70



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4898.132+/-0.922 χ^2/NDF:1470782.2/18

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5259.293+/-1.015 χ^2/NDF:1052000.2/16

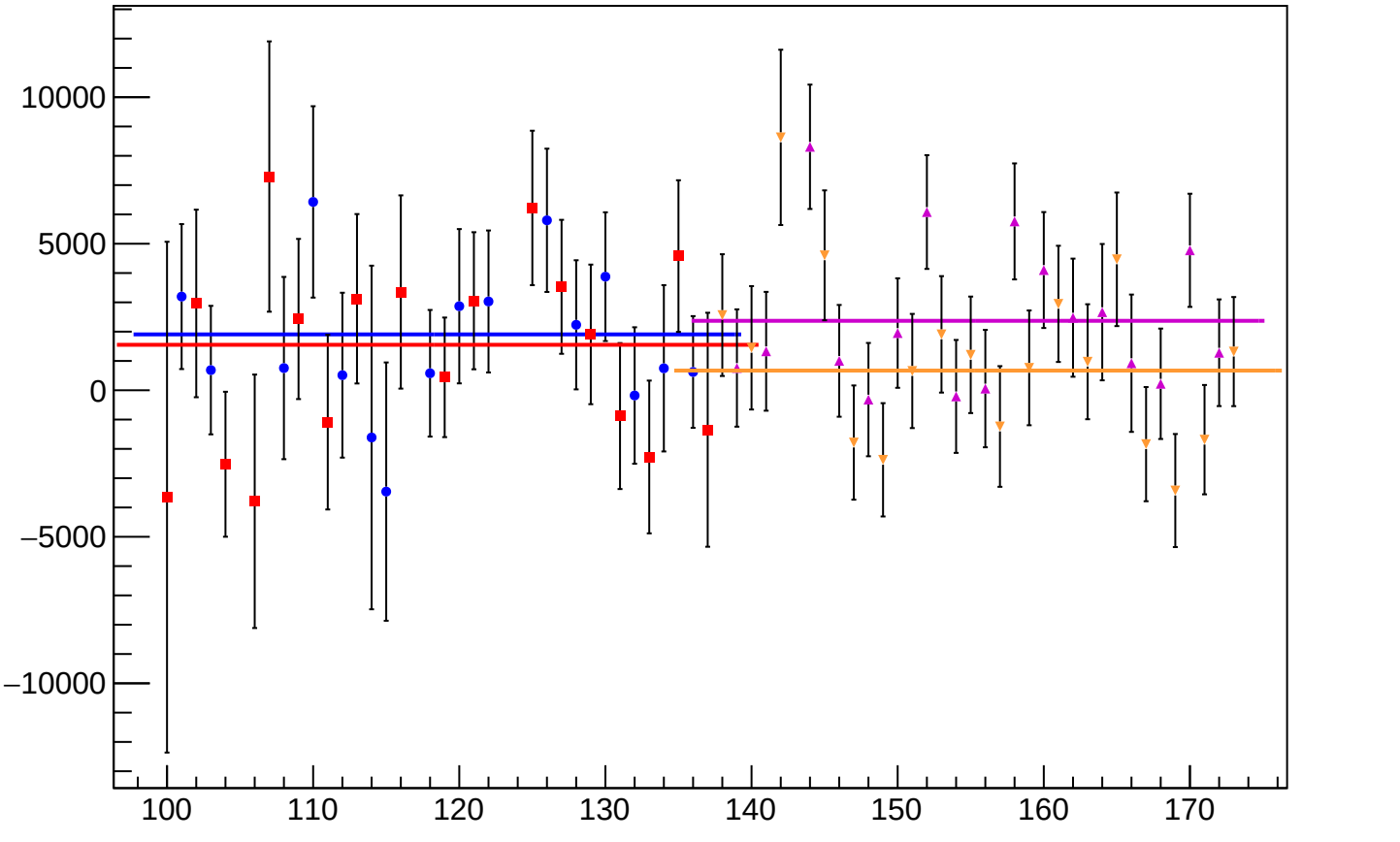
Left: 5061.371+/-0.683 χ^2/NDF: 2592118.6/35

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2789.673+/-0.525 χ^2/NDF:13553610.2/32

Out: 2175.564+/-0.426 χ^2/NDF:18516992.3/37

All: 2419.271+/-0.331 χ^2/NDF: 32895557.7/7



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 671.548+/-477.565 χ^2/NDF:28.6/17

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 2369.684+/-482.005 χ^2/NDF:25.3/16

Left: 1512.759+/-339.248 χ^2/NDF: 60.2/34

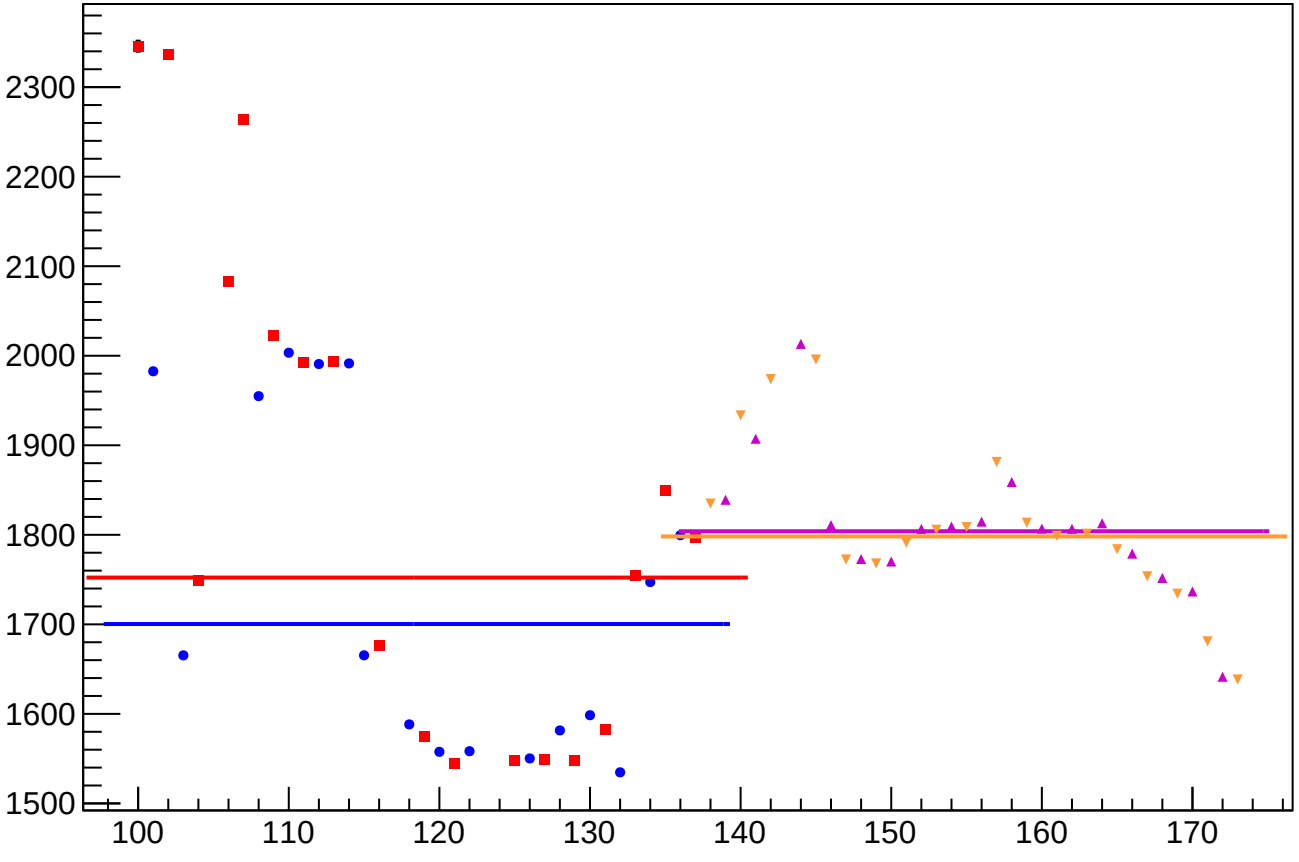
Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2200.742+/-384.243 χ^2/NDF:35.9/32

Out: 973.131+/-387.114 χ^2/NDF:47.2/35

All: 1591.505+/-272.710 χ^2/NDF: 88.2/68

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1798.176+/-0.338 χ^2/NDF:61955.0/17

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1803.971+/-0.341 χ^2/NDF:48256.0/16

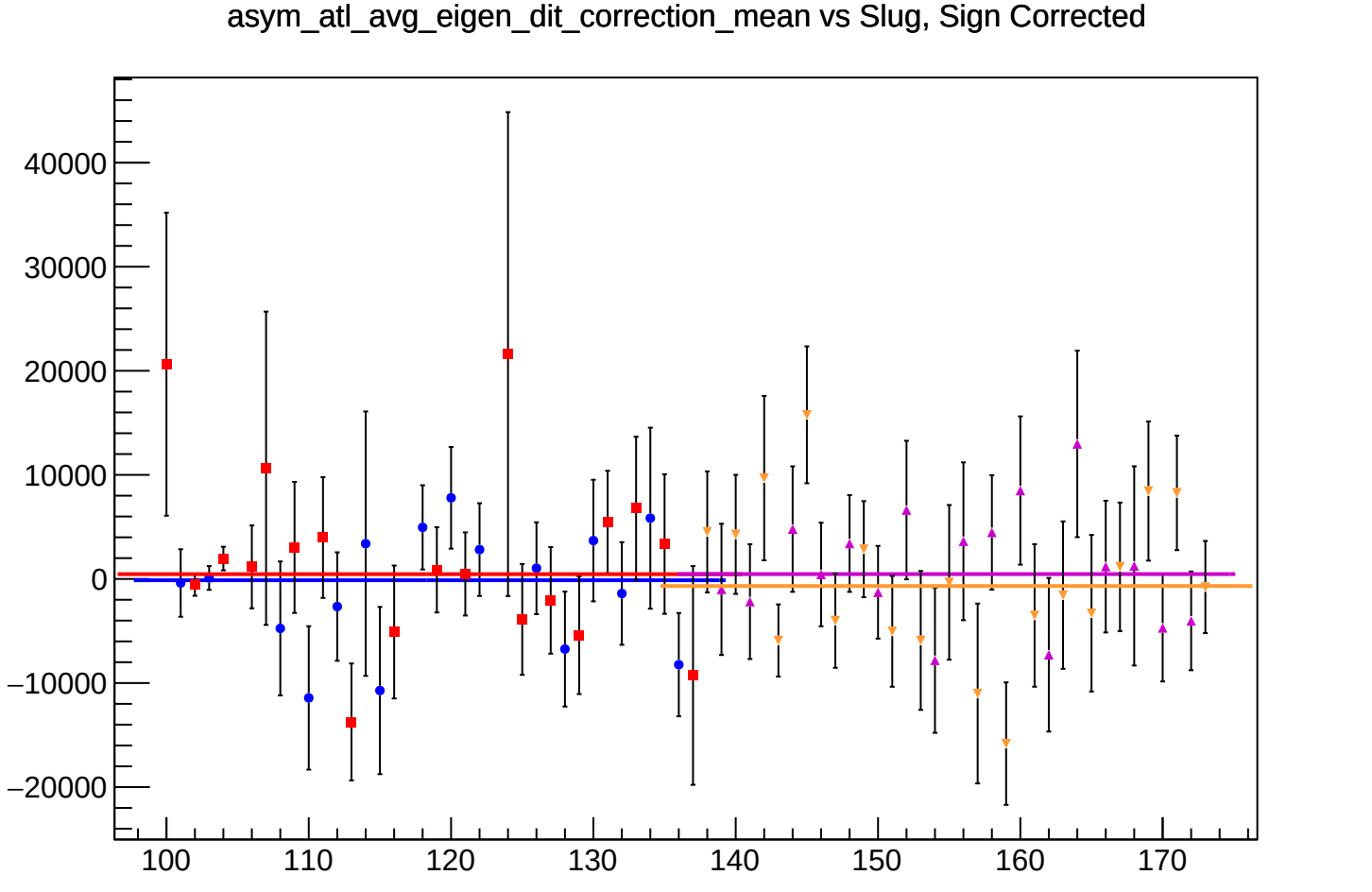
Left: 1801.047+/-0.240 χ^2/NDF: 110356.9/34

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1766.203+/-0.272 χ^2/NDF:217363.4/32

Out: 1782.375+/-0.274 χ^2/NDF:316272.5/35

All: 1774.235+/-0.193 χ^2/NDF: 535395.7/68



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -681.037+/-1304.061 χ^2/NDF:27.2/18

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: 466.802+/-1435.930 χ^2/NDF:10.6/16

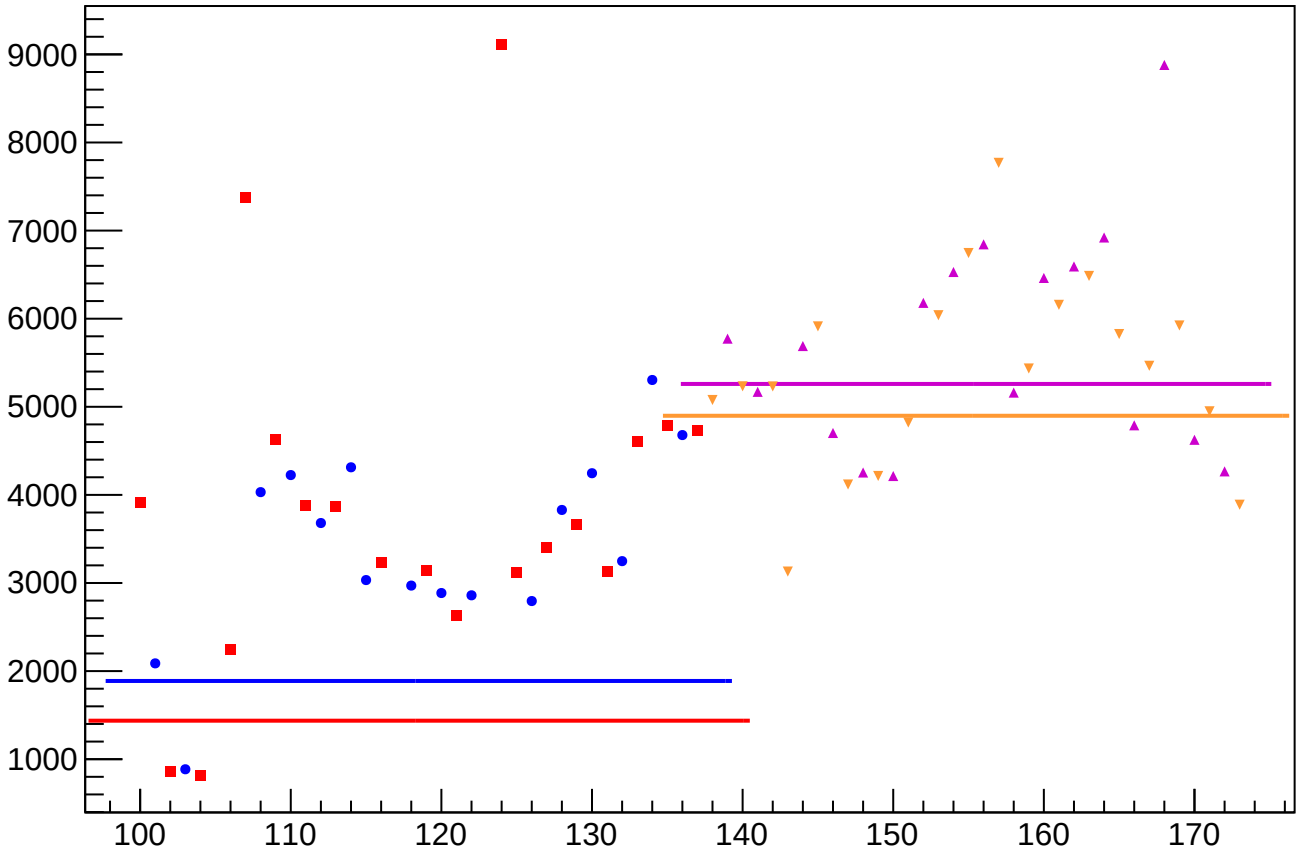
Left: -162.232+/-965.372 χ^2/NDF: 38.1/35

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: 32.940+/-742.603 χ^2/NDF:25.8/32

Out: 216.099+/-602.358 χ^2/NDF:46.3/37

All: 143.413+/-467.809 χ^2/NDF: 72.1/70



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4898.139+/-0.922 χ^2/NDF:1470787.4/18

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5259.301+/-1.015 χ^2/NDF:1052001.6/16

Left: 5061.378+/-0.683 χ^2/NDF: 2592125.4/35

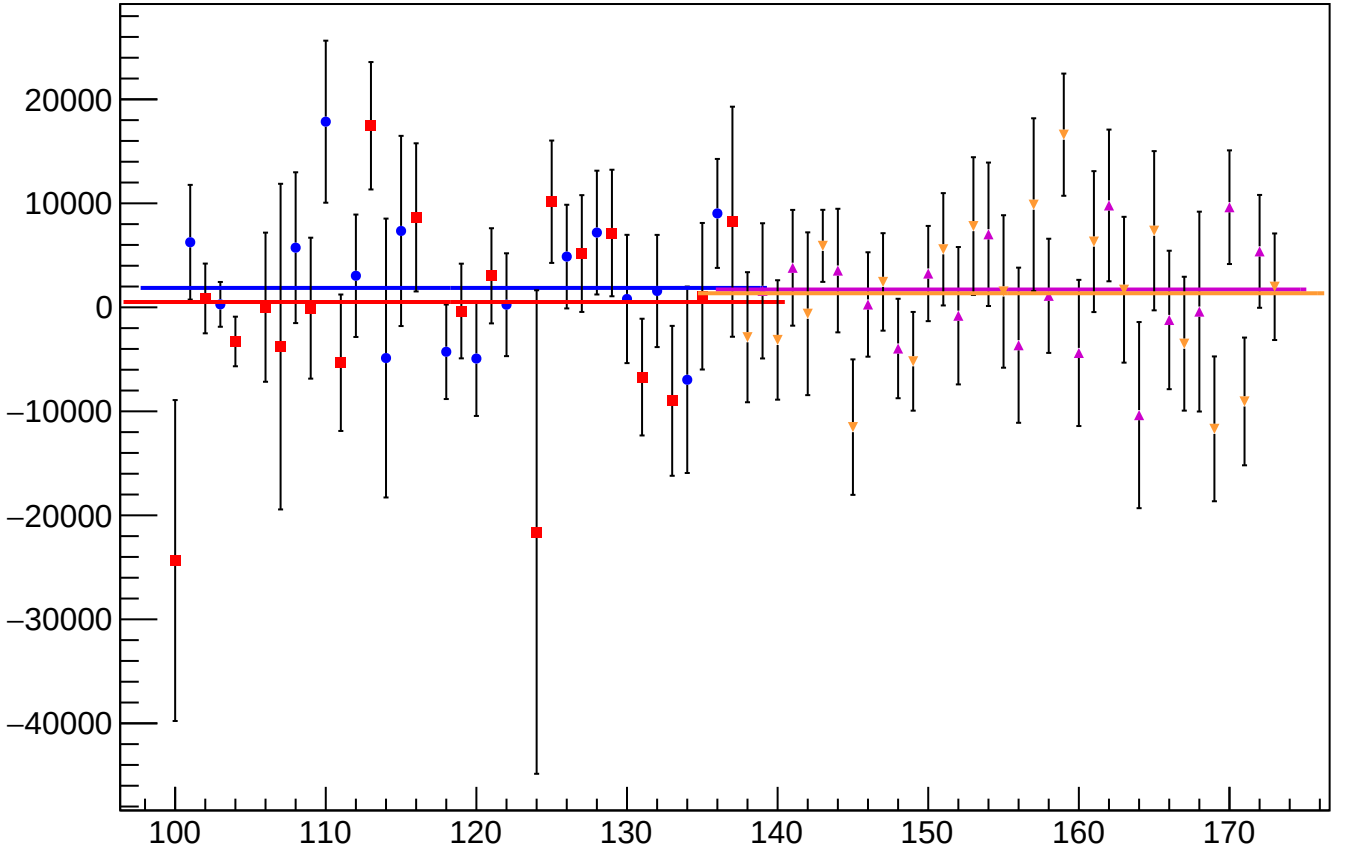
Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2789.652+/-0.525 χ^2/NDF:13553775.3/32

Out: 2175.544+/-0.426 χ^2/NDF:18517171.9/37

All: 2419.251+/-0.331 χ^2/NDF: 32895907.8/7

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 1352.990+/-1340.224 χ^2/NDF:26.2/18

Right Out: 512.528+/-1241.513 χ^2/NDF: 24.7/18

Left In: 1713.181+/-1469.815 χ^2/NDF:9.7/16

Left: 1516.510+/-990.333 χ^2/NDF: 35.9/35

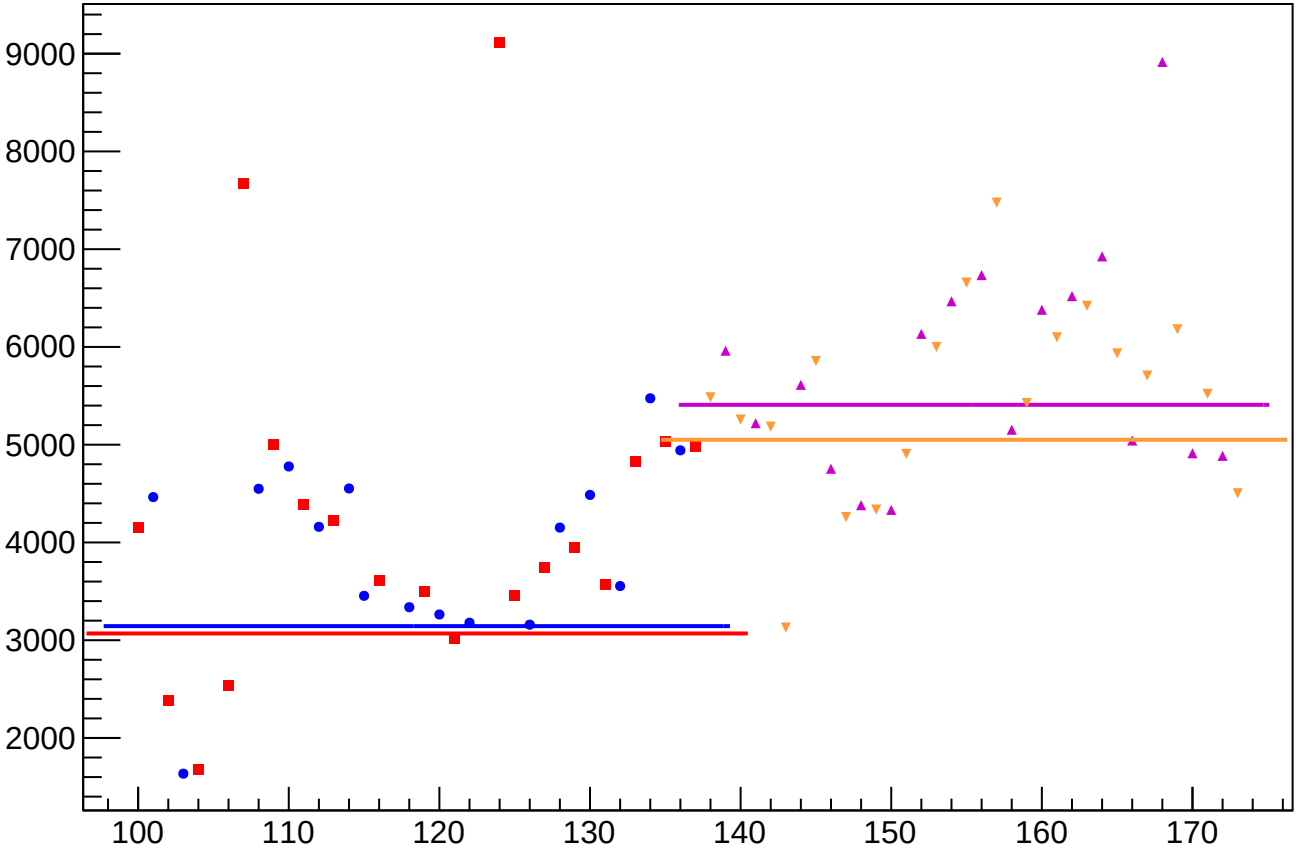
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1801.672+/-956.257 χ^2/NDF:23.5/32

Out: 900.672+/-910.782 χ^2/NDF:51.1/37

All: 1329.240+/-659.511 χ^2/NDF: 75.1/70

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5050.634+/-0.948 χ^2/NDF:1336717.6/18

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5407.893+/-1.039 χ^2/NDF:844365.1/16

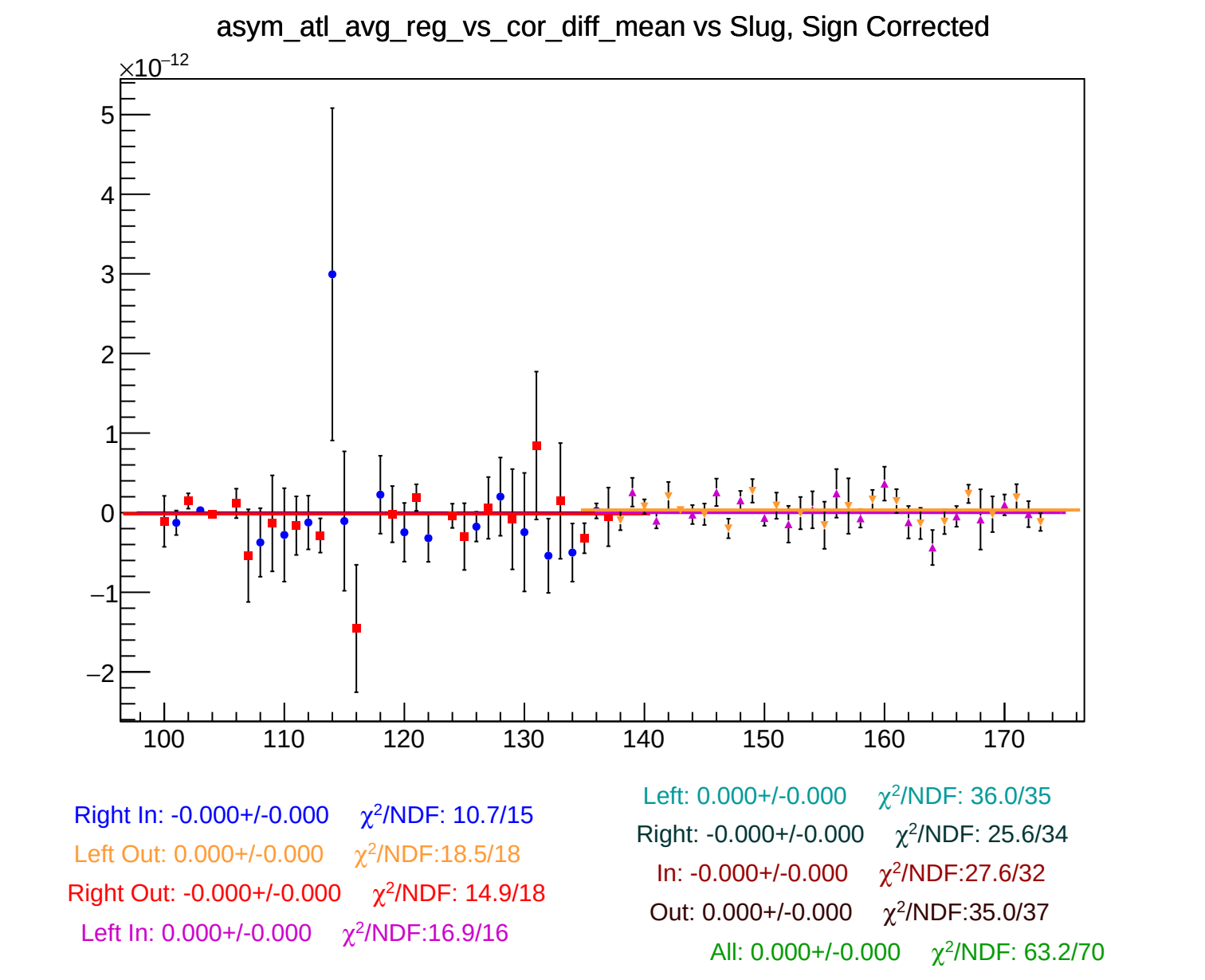
Left: 5212.823+/-0.700 χ^2/NDF: 2245600.2/35

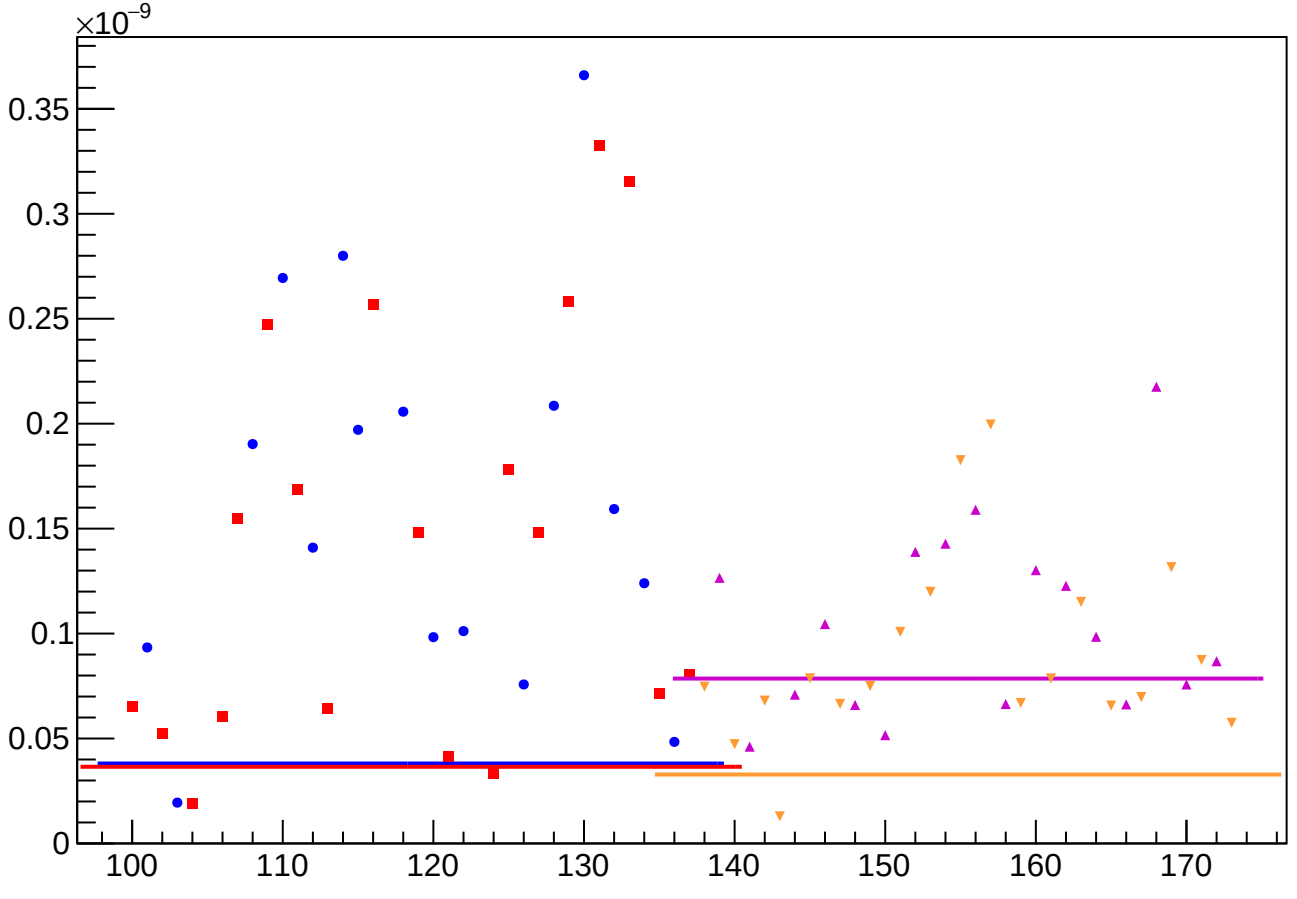
Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 4102.328+/-0.676 χ^2/NDF:5463611.2/32

Out: 3968.766+/-0.639 χ^2/NDF:5605357.3/37

All: 4031.729+/-0.464 χ^2/NDF: 11089592.1/7


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
170
Right In: -0.000+/-0.000 χ²/NDF: 10.7/15
Left Out: 0.000+/-0.000 χ²/NDF:18.5/18
Right Out: -0.000+/-0.000 χ²/NDF: 14.9/18
Left In: 0.000+/-0.000 χ²/NDF:16.9/16
Left: 0.000+/-0.000 χ²/NDF: 36.0/35
Right: -0.000+/-0.000 χ²/NDF: 25.6/34
In: -0.000+/-0.000 χ²/NDF:27.6/32
Out: 0.000+/-0.000 χ²/NDF:35.0/37
All: 0.000+/-0.000 χ²/NDF: 63.2/70



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5734889.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1565521.0/16

Left: 0.000+/-0.000 χ^2/NDF: 9798455.4/35

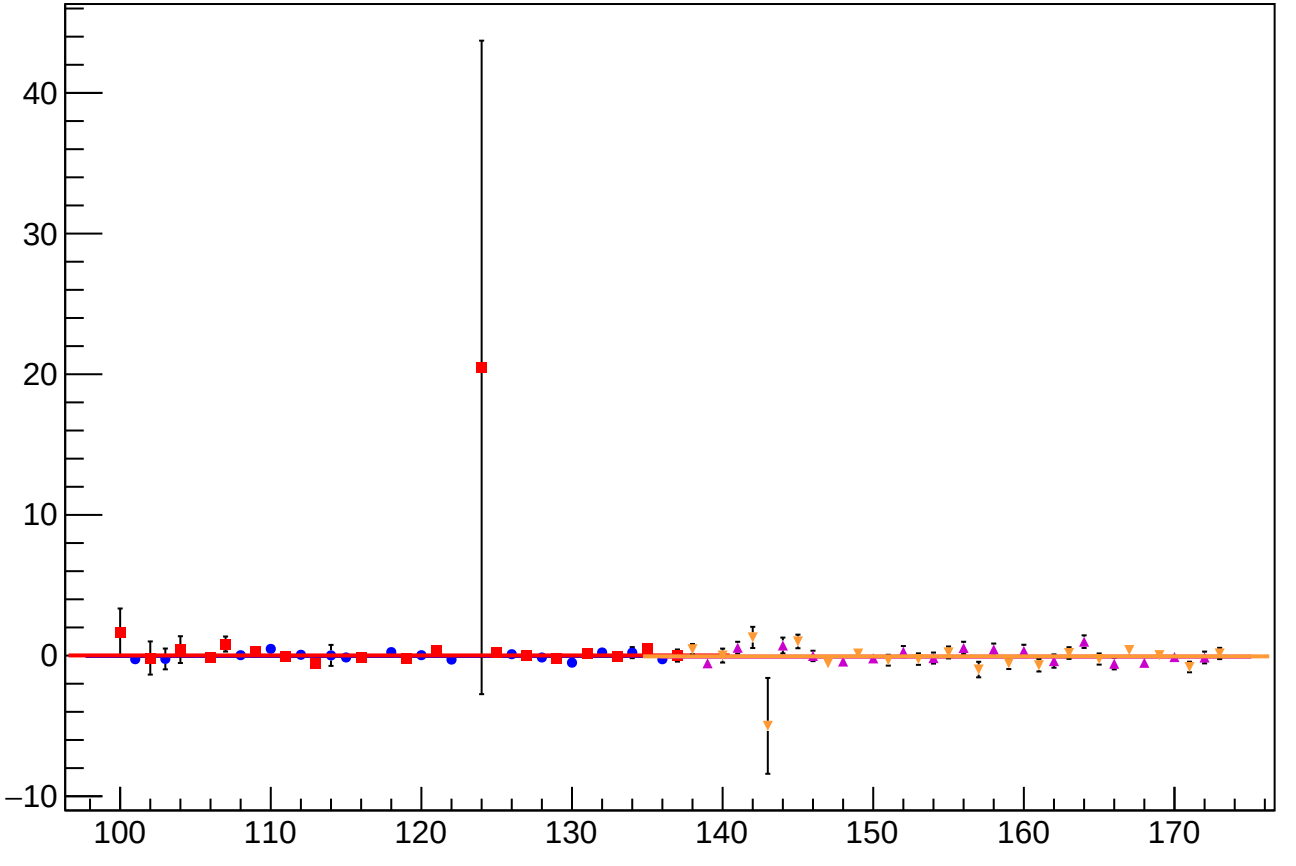
Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:5787654.1/32

Out: 0.000+/-0.000 χ^2/NDF:8437416.1/37

All: 0.000+/-0.000 χ^2/NDF: 15449885.3/70

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: -0.054+/-0.087 χ^2/NDF:29.5/18

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.076+/-0.087 χ^2/NDF:23.8/16

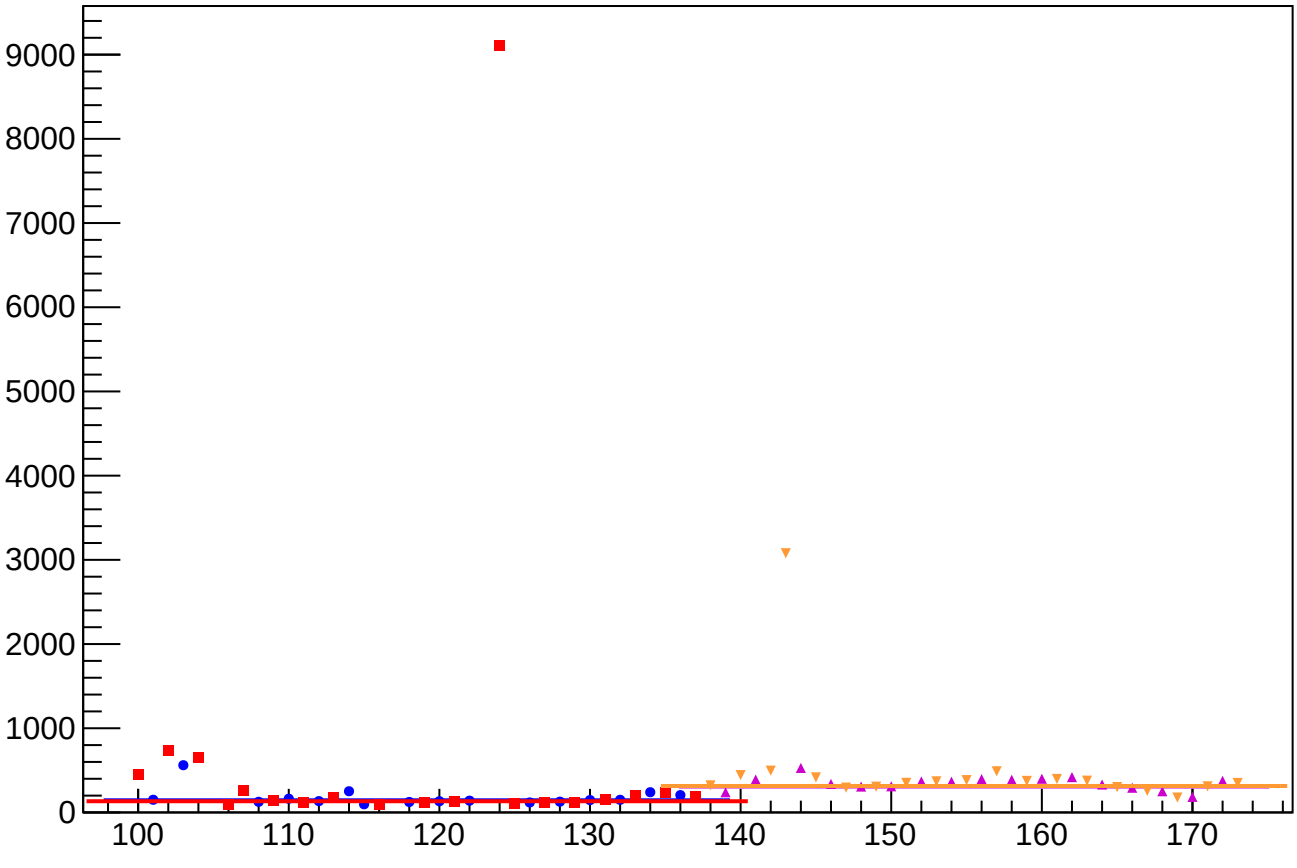
Left: -0.065+/-0.062 χ^2/NDF: 53.4/35

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.043+/-0.048 χ^2/NDF:41.3/32

Out: -0.009+/-0.047 χ^2/NDF:51.7/37

All: -0.026+/-0.034 χ^2/NDF: 93.2/70



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 314.237+/-0.062 χ^2/NDF:3180724.0/18

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 308.197+/-0.061 χ^2/NDF:1805386.4/16

Left: 311.185+/-0.043 χ^2/NDF: 4990930.8/35

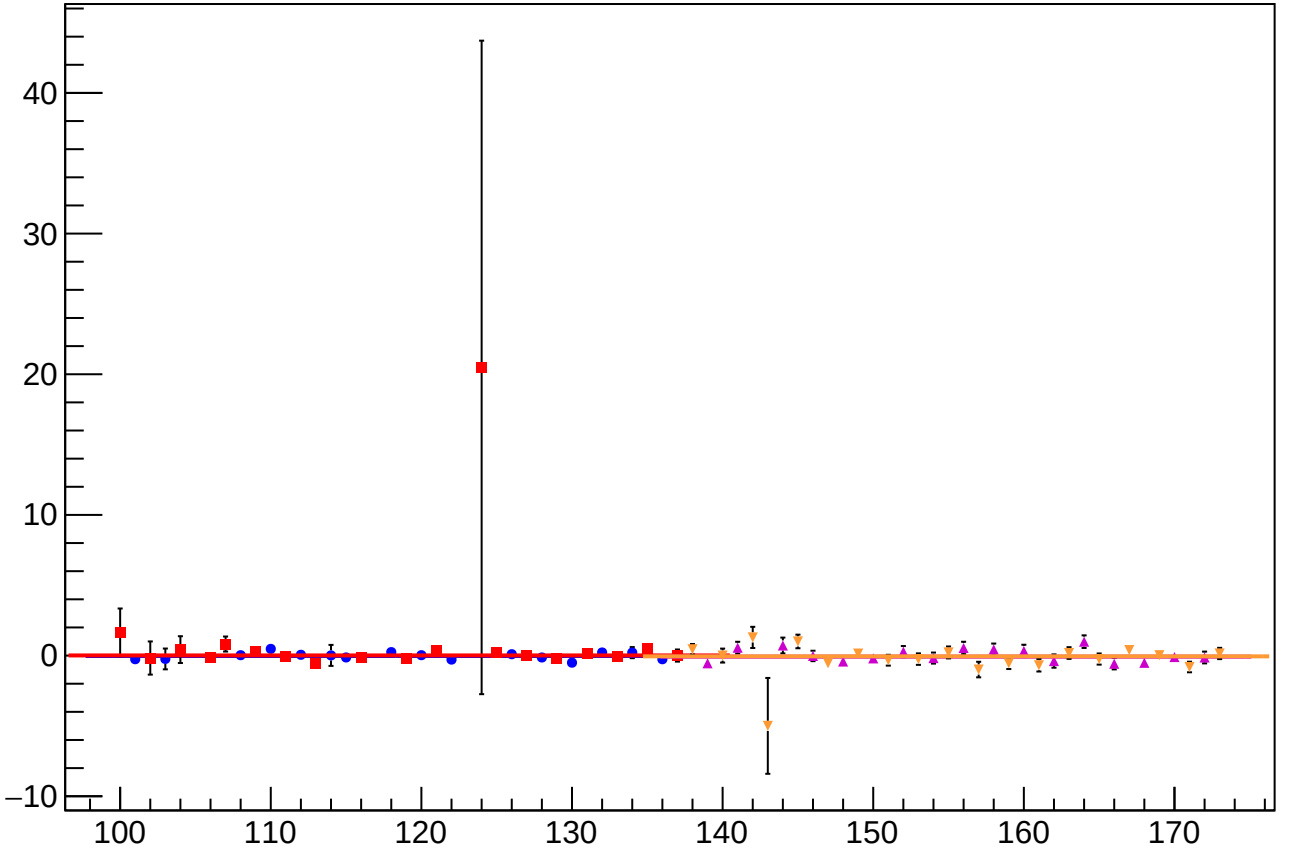
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 194.901+/-0.034 χ^2/NDF:7895568.0/32

Out: 186.567+/-0.034 χ^2/NDF:11443995.3/37

All: 190.680+/-0.024 χ^2/NDF: 19370004.2/70

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: -0.054+/-0.087 χ^2/NDF:29.5/18

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.076+/-0.087 χ^2/NDF:23.8/16

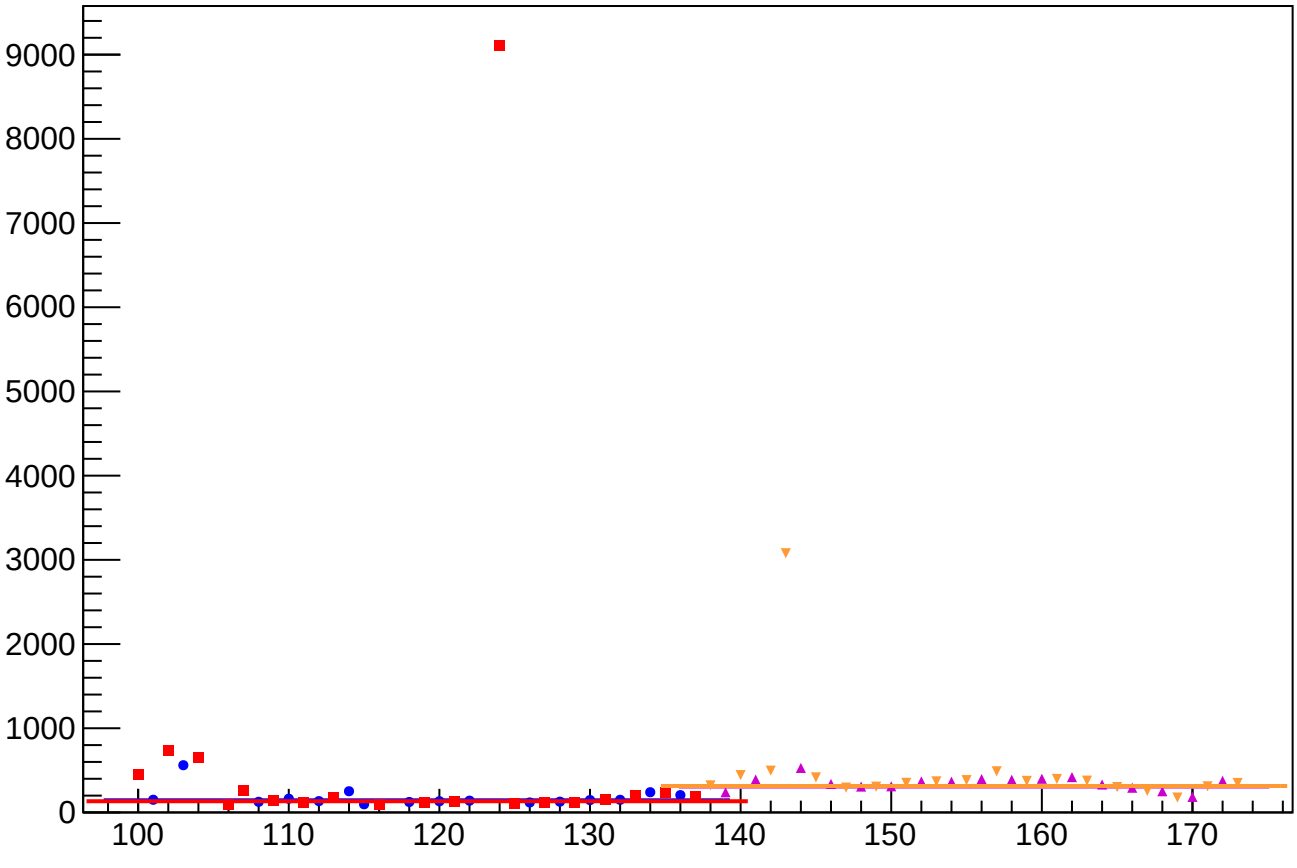
Left: -0.065+/-0.062 χ^2/NDF: 53.4/35

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.043+/-0.048 χ^2/NDF:41.3/32

Out: -0.009+/-0.047 χ^2/NDF:51.7/37

All: -0.026+/-0.034 χ^2/NDF: 93.2/70



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 314.237+/-0.062 χ^2/NDF:3180724.0/18

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 308.197+/-0.061 χ^2/NDF:1805386.4/16

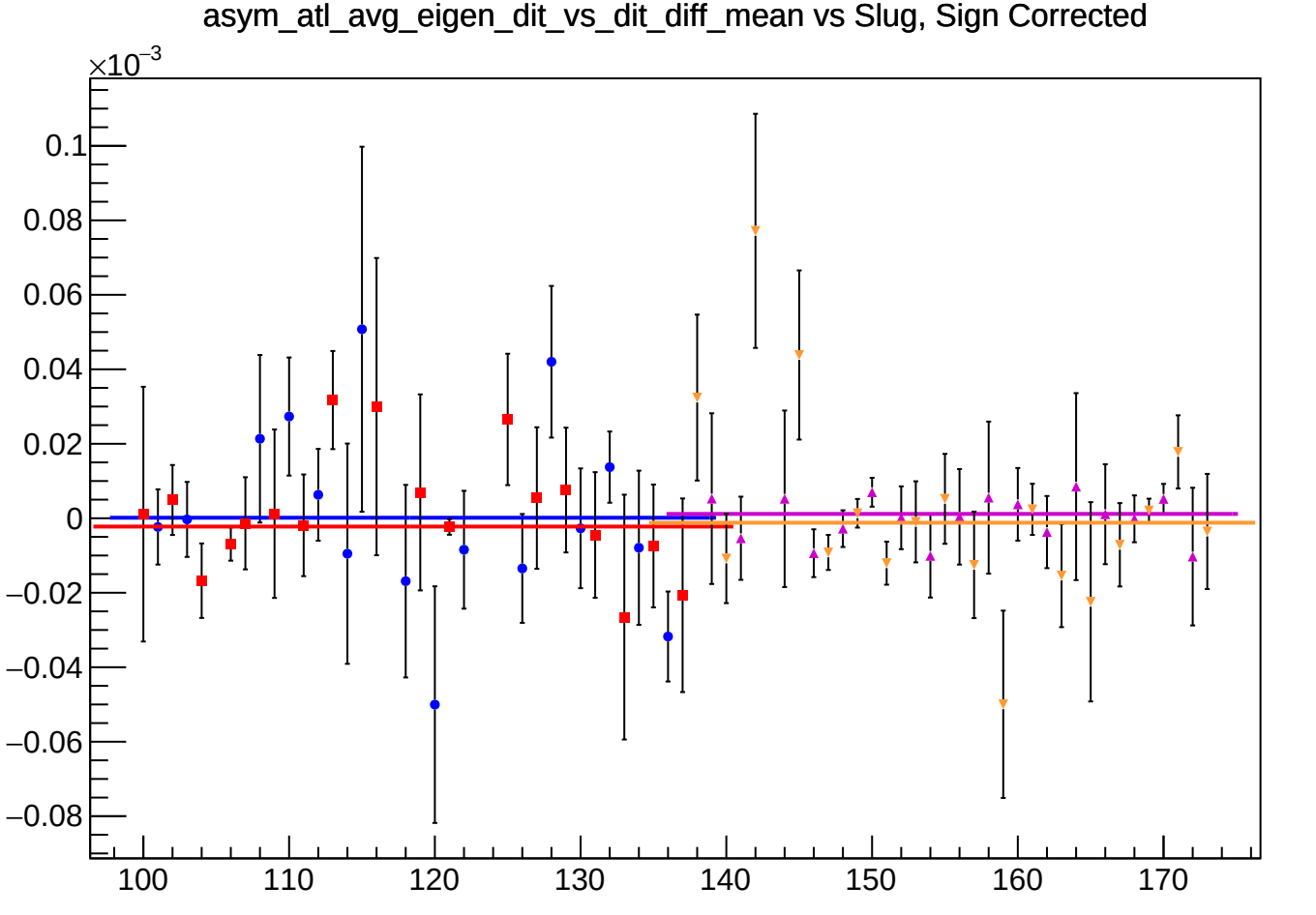
Left: 311.185+/-0.043 χ^2/NDF: 4990930.8/35

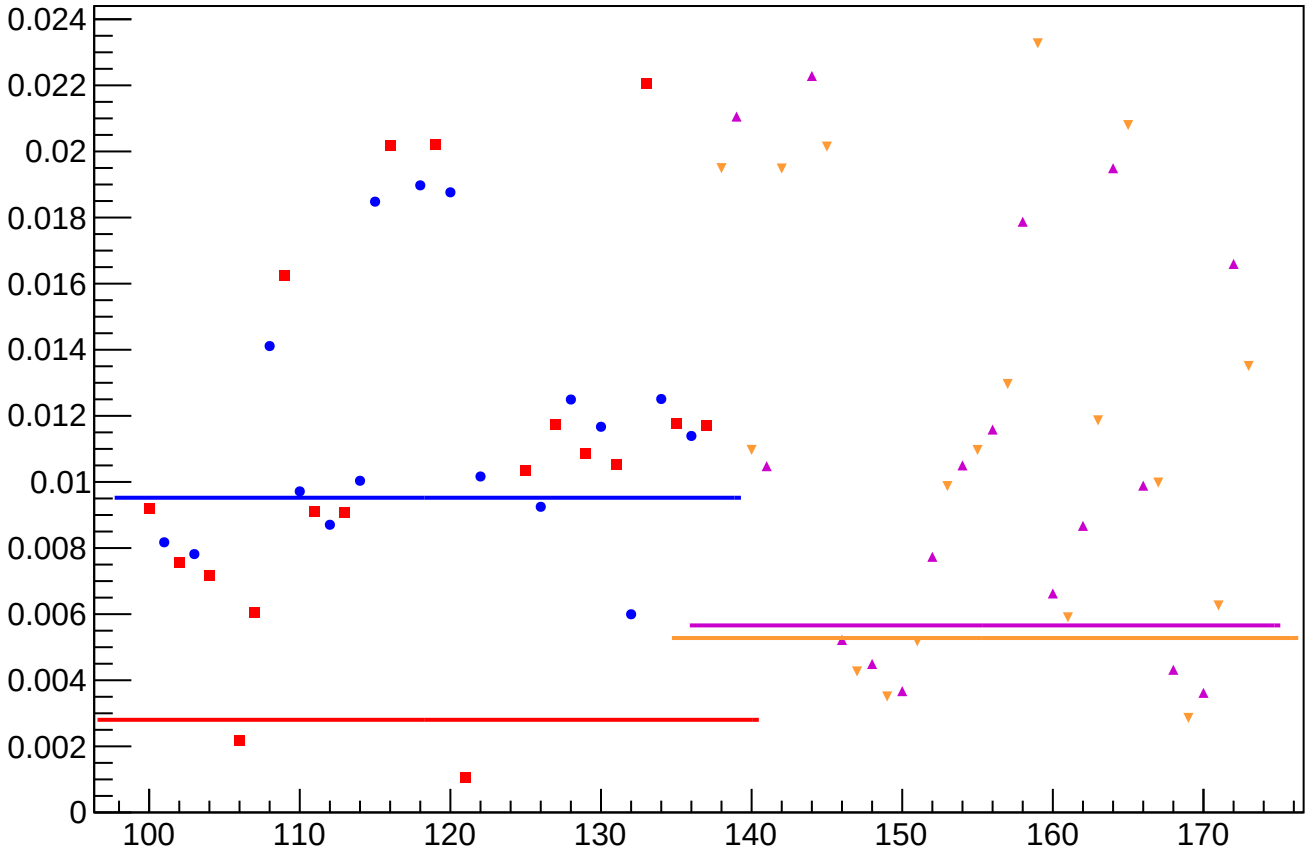
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 194.901+/-0.034 χ^2/NDF:7895568.0/32

Out: 186.567+/-0.034 χ^2/NDF:11443995.3/37

All: 190.680+/-0.024 χ^2/NDF: 19370004.2/70


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
170
Right In: 0.000+/-0.000 χ²/NDF: 22.8/15
Left Out: -0.000+/-0.000 χ²/NDF:31.7/17
Right Out: -0.000+/-0.000 χ²/NDF: 15.6/17
Left In: 0.000+/-0.000 χ²/NDF:8.9/16
Left: -0.000+/-0.000 χ²/NDF: 41.4/34
Right: -0.000+/-0.000 χ²/NDF: 38.7/33
In: 0.000+/-0.000 χ²/NDF:31.8/32
Out: -0.000+/-0.000 χ²/NDF:47.4/35
All: -0.000+/-0.000 χ²/NDF: 80.9/68



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.005+/-0.000 χ^2/NDF:8680620.7/17

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:6867981.9/16

Left: 0.005+/-0.000 χ^2/NDF: 15593478.8/34

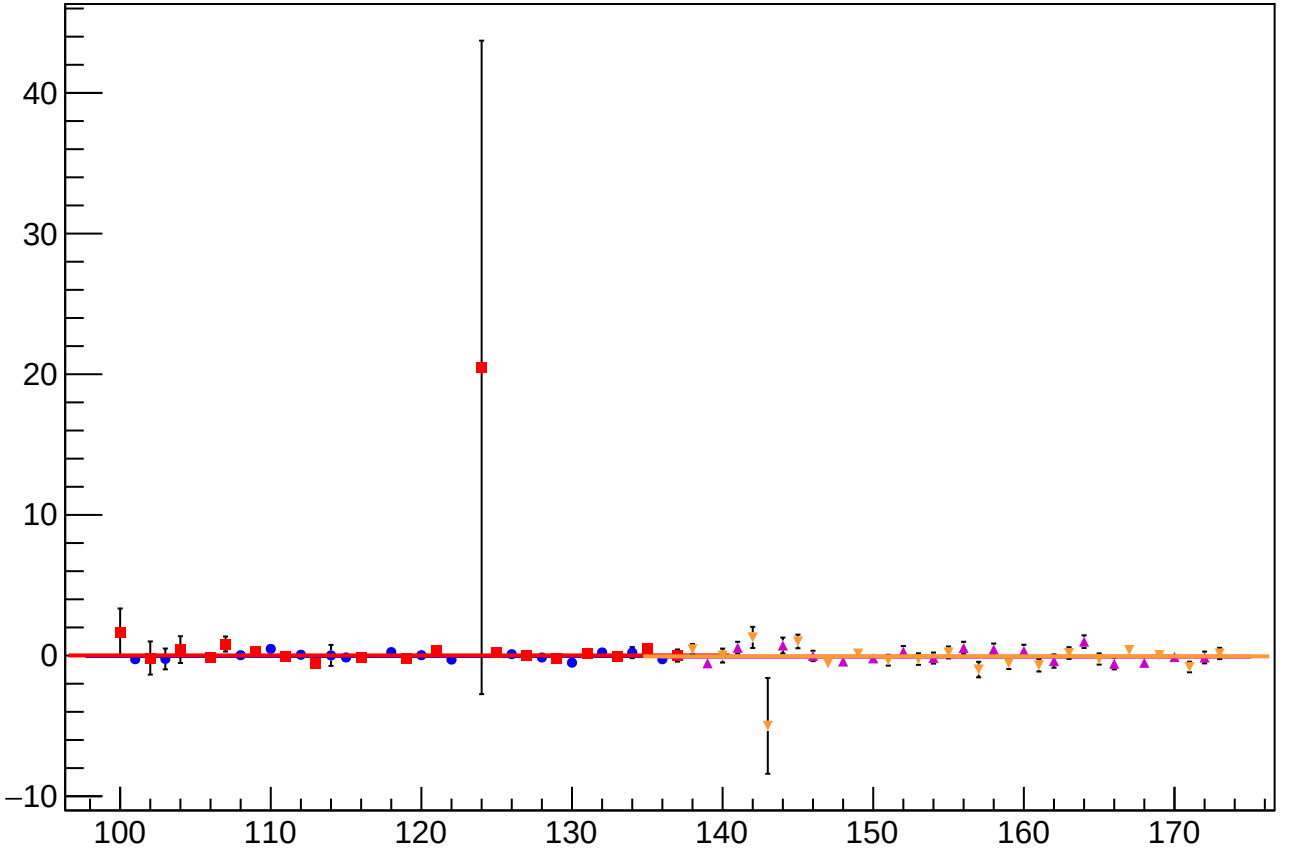
Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.006+/-0.000 χ^2/NDF:9711987.4/32

Out: 0.004+/-0.000 χ^2/NDF:19280567.6/35

All: 0.005+/-0.000 χ^2/NDF: 31698771.1/68

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: -0.054+/-0.087 χ^2/NDF:29.5/18

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.076+/-0.087 χ^2/NDF:23.8/16

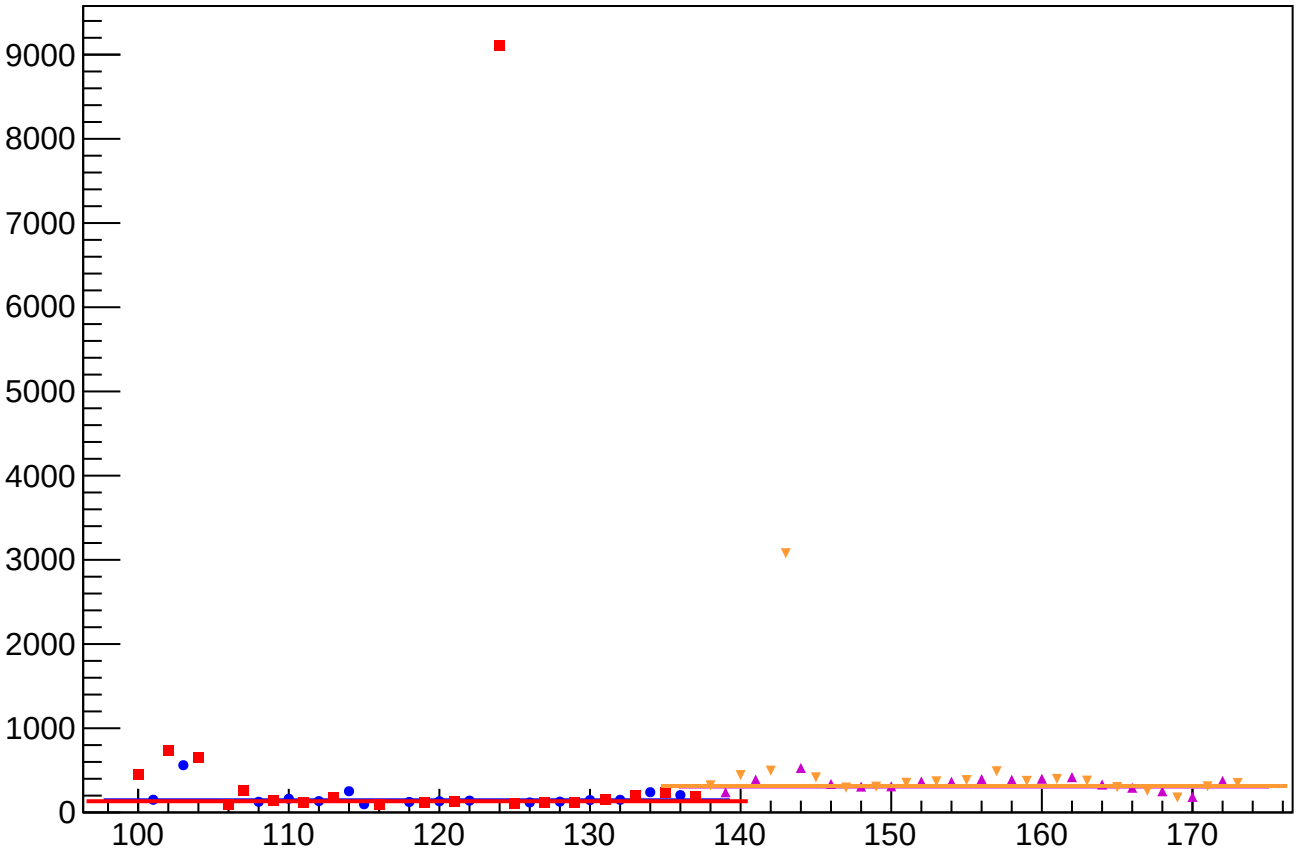
Left: -0.065+/-0.062 χ^2/NDF: 53.4/35

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.043+/-0.048 χ^2/NDF:41.3/32

Out: -0.009+/-0.047 χ^2/NDF:51.7/37

All: -0.026+/-0.034 χ^2/NDF: 93.2/70



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 314.239+/-0.062 χ^2/NDF:3180790.8/18

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 308.201+/-0.061 χ^2/NDF:1805397.0/16

Left: 311.187+/-0.043 χ^2/NDF: 4991006.4/35

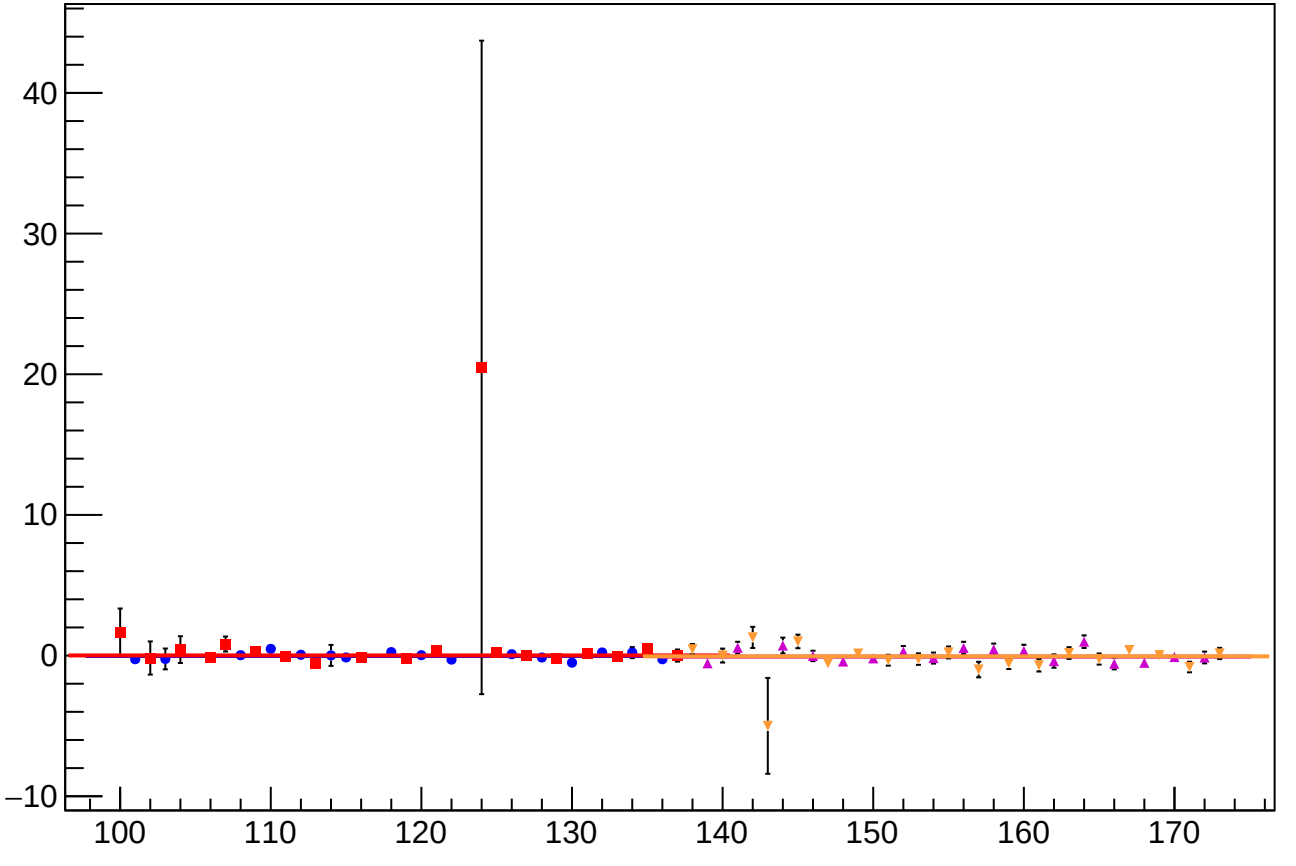
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 194.900+/-0.034 χ^2/NDF:7895839.1/32

Out: 186.566+/-0.034 χ^2/NDF:11444166.7/37

All: 190.679+/-0.024 χ^2/NDF: 19370442.8/70

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: -0.054+/-0.087 χ^2/NDF:29.5/18

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.076+/-0.087 χ^2/NDF:23.8/16

Left: -0.065+/-0.062 χ^2/NDF: 53.4/35

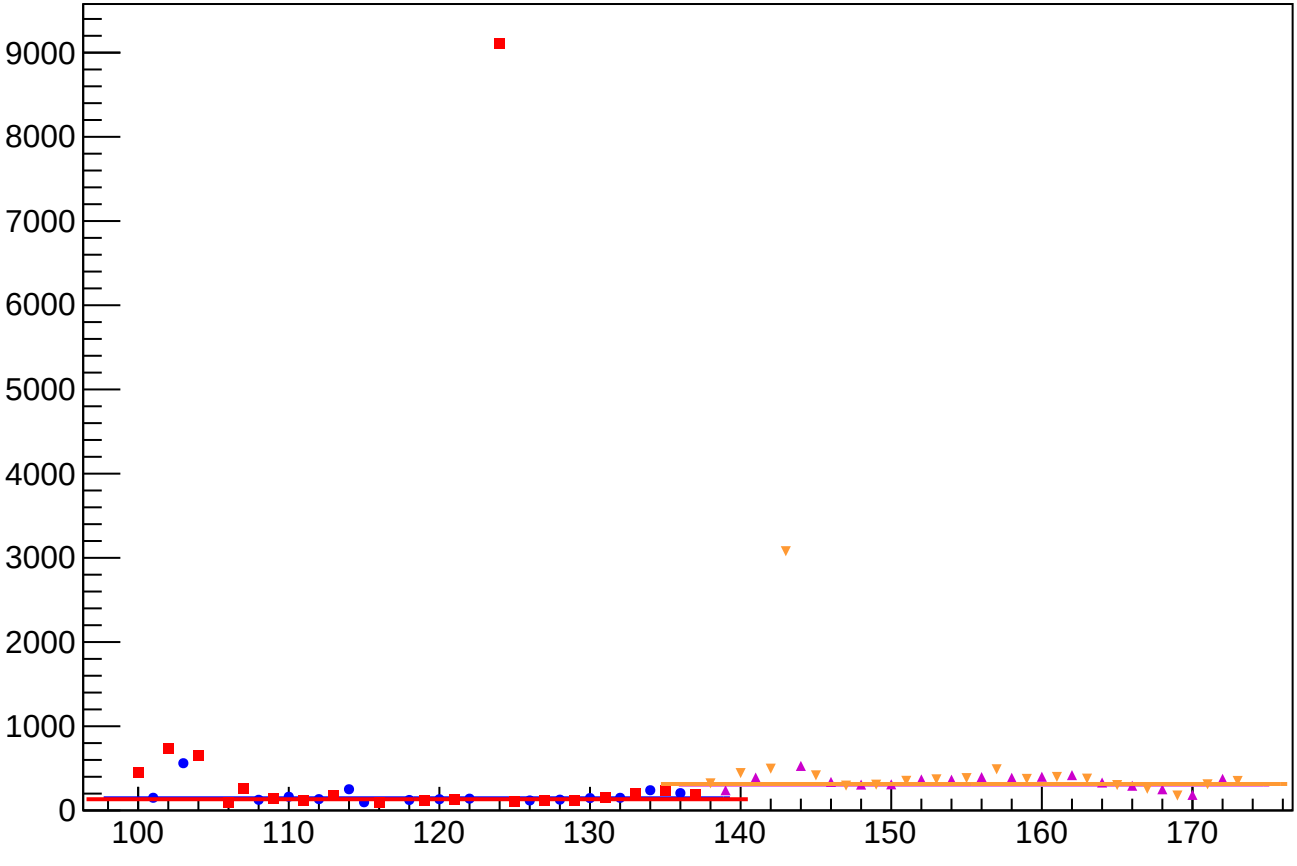
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.043+/-0.048 χ^2/NDF:41.3/32

Out: -0.009+/-0.047 χ^2/NDF:51.7/37

All: -0.026+/-0.034 χ^2/NDF: 93.2/70

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: 314.239+/-0.062 χ^2/NDF:3180790.8/18

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 308.201+/-0.061 χ^2/NDF:1805397.0/16

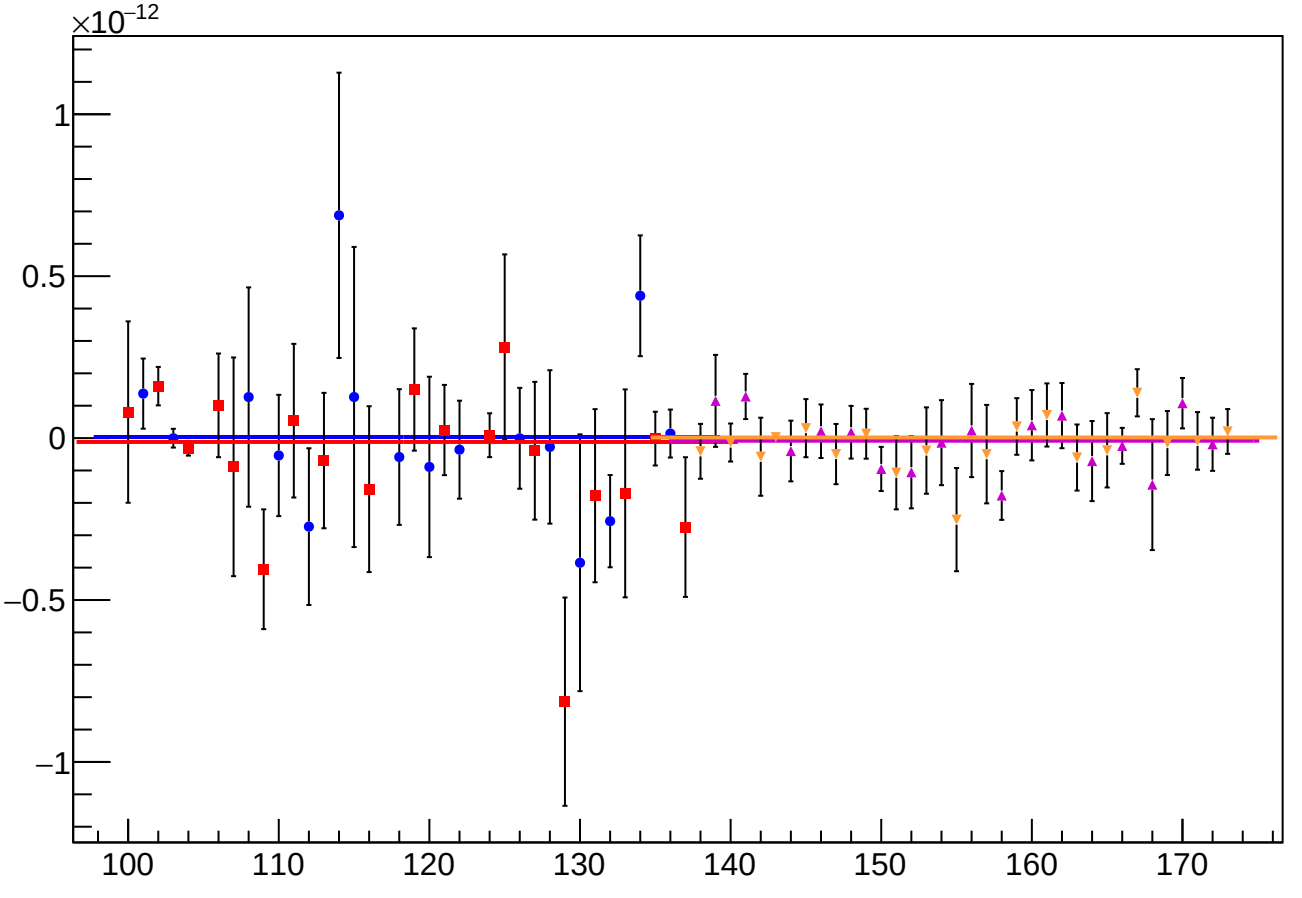
Left: 311.187+/-0.043 χ^2/NDF: 4991006.4/35

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 194.900+/-0.034 χ^2/NDF:7895839.1/32

Out: 186.566+/-0.034 χ^2/NDF:11444166.7/37

All: 190.679+/-0.024 χ^2/NDF: 19370442.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/18

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:16.2/16

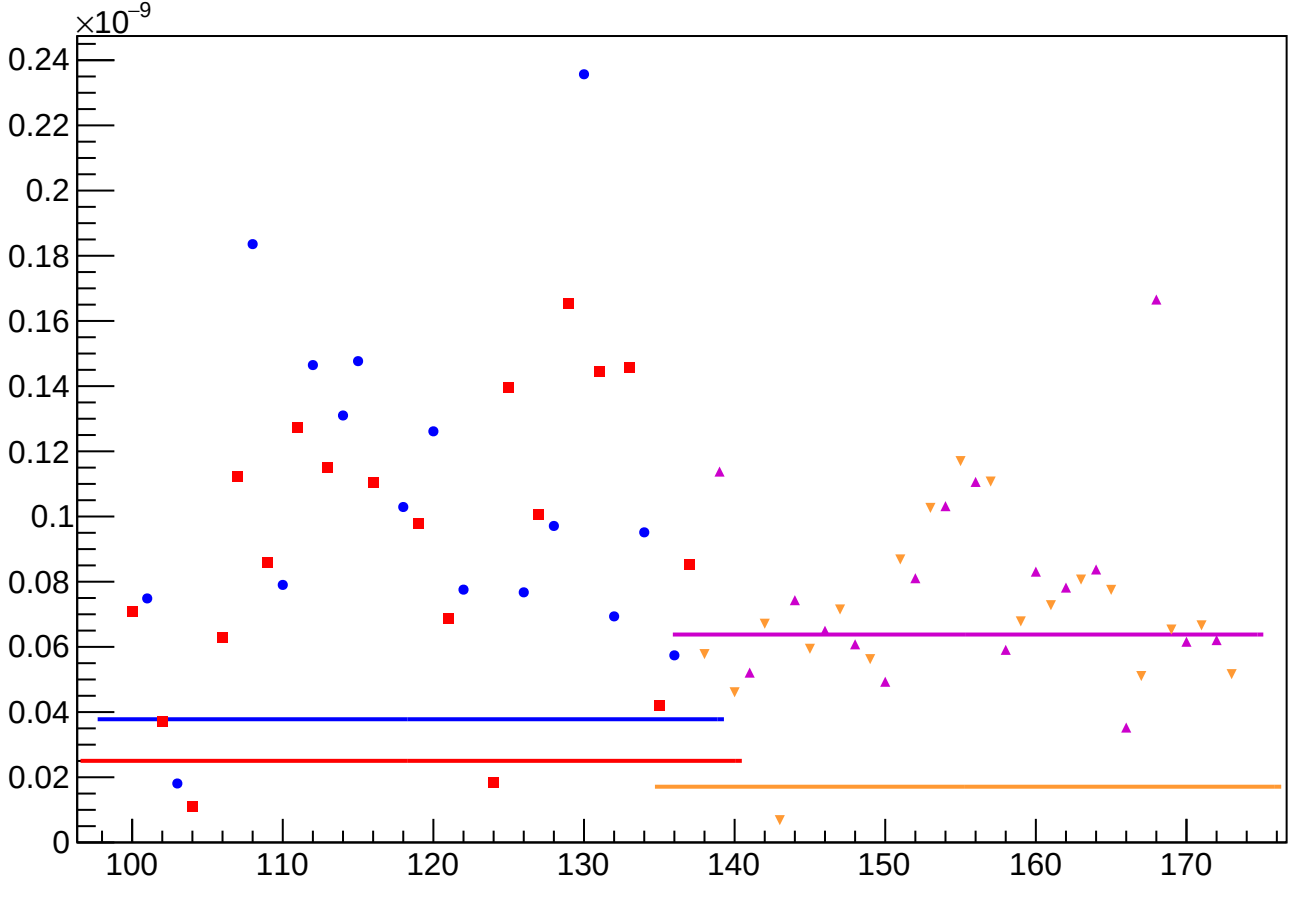
Left: 0.000+/-0.000 χ^2/NDF: 25.9/35

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:32.0/32

Out: -0.000+/-0.000 χ^2/NDF:35.1/37

All: -0.000+/-0.000 χ^2/NDF: 67.1/70



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:12835872.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2074019.3/16

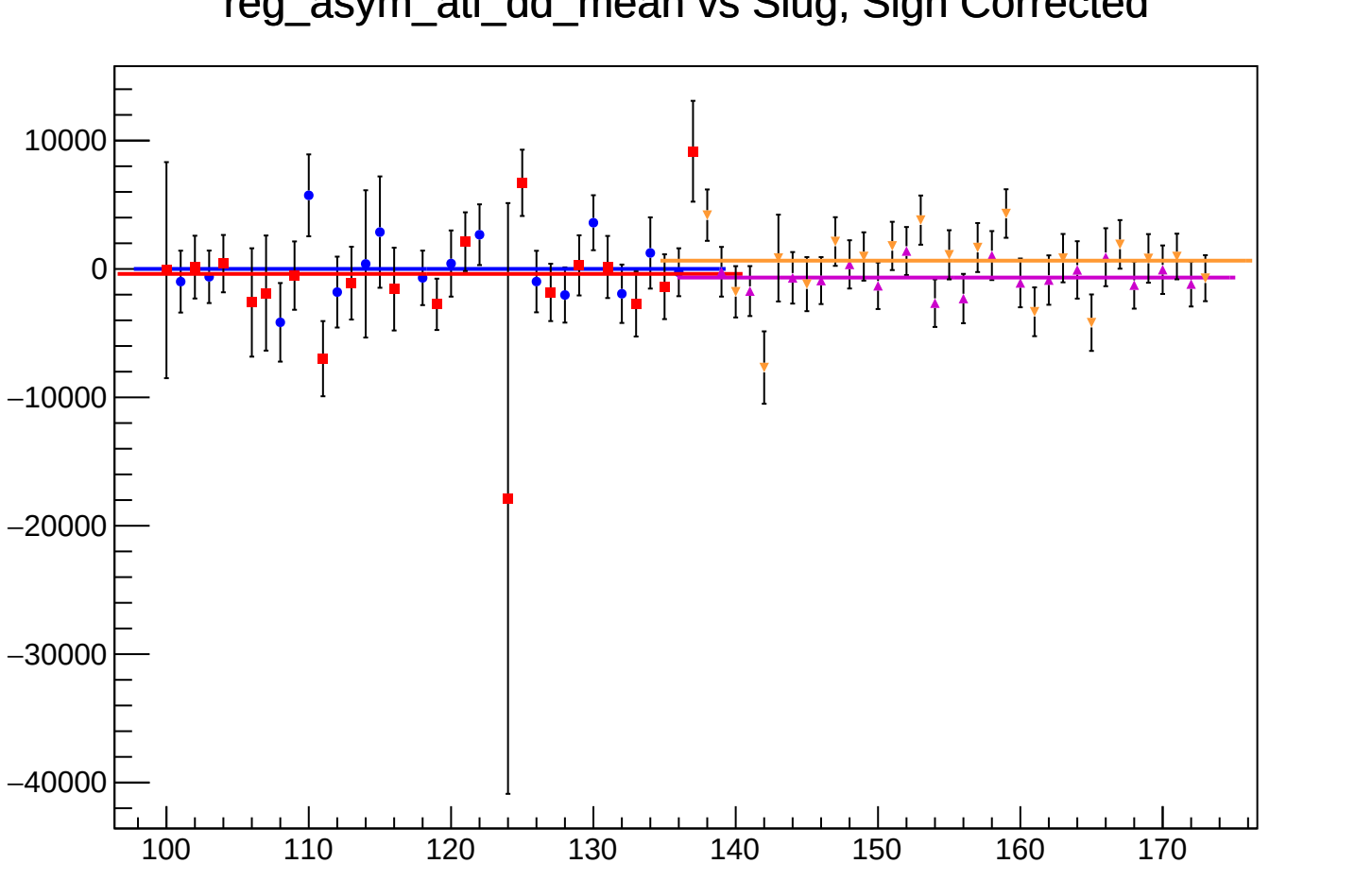
Left: 0.000+/-0.000 χ^2/NDF: 22882594.1/35

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

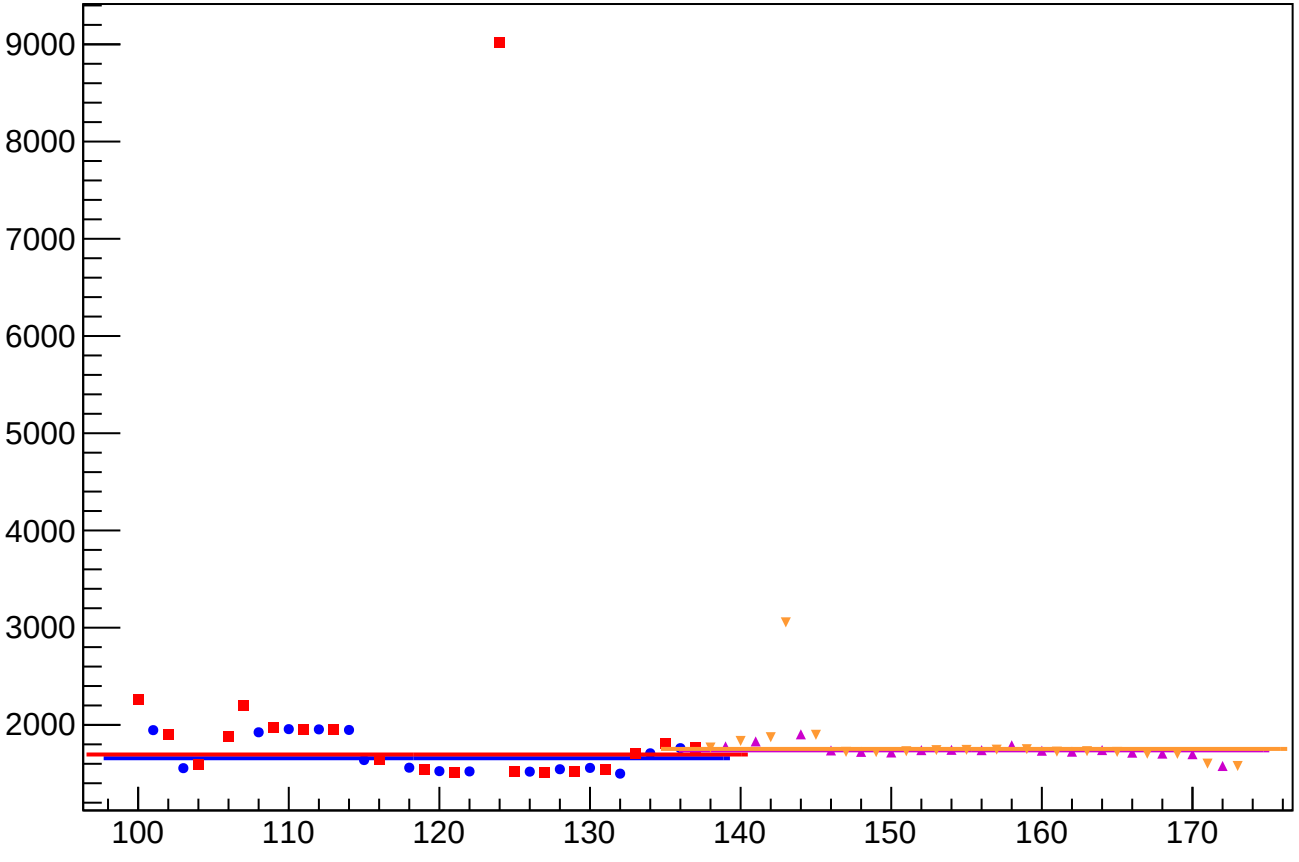
In: 0.000+/-0.000 χ^2/NDF:7320514.9/32

Out: 0.000+/-0.000 χ^2/NDF:17832694.2/37

All: 0.000+/-0.000 χ^2/NDF: 32106786.7/70


reg_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: 4.373+/-619.905 χ²/NDF: 12.4/15
Left Out: 646.768+/-454.808 χ²/NDF:32.2/18
Right Out: -384.758+/-633.682 χ²/NDF: 24.1/18
Left In: -669.415+/-464.374 χ²/NDF:5.6/16
Left: 2.371+/-324.927 χ²/NDF: 41.9/35
Right: -185.916+/-443.130 χ²/NDF: 36.7/34
In: -427.222+/-371.659 χ²/NDF:18.8/32
Out: 296.060+/-369.491 χ²/NDF:58.0/37
All: -63.466+/-262.033 χ²/NDF: 78.7/70

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1753.044+/-0.322 χ^2/NDF:352338.1/18

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1738.429+/-0.328 χ^2/NDF:39546.3/16

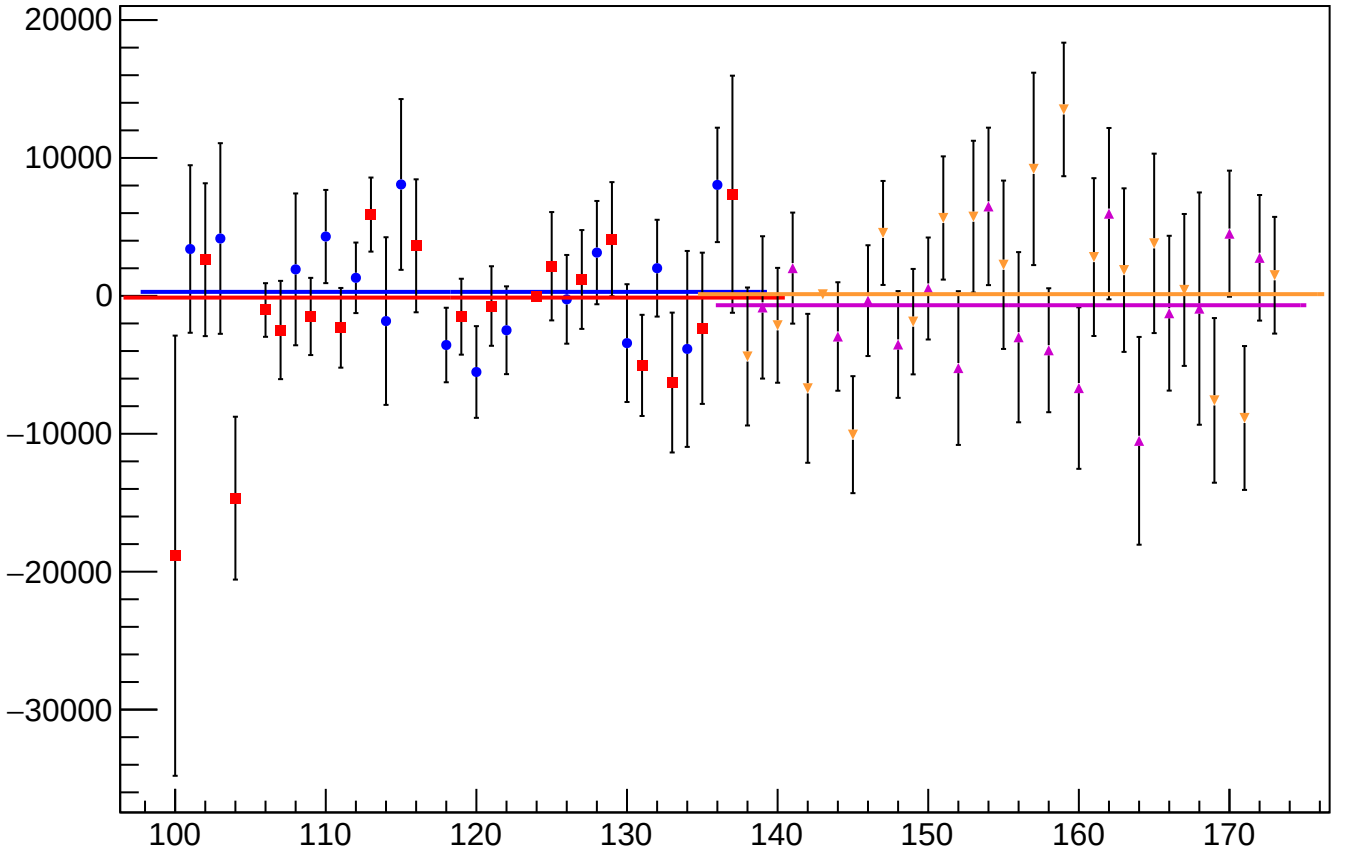
Left: 1745.889+/-0.230 χ^2/NDF: 392895.6/35

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1709.202+/-0.263 χ^2/NDF:205569.3/32

Out: 1733.411+/-0.261 χ^2/NDF:749449.5/37

All: 1721.397+/-0.185 χ^2/NDF: 959293.3/70



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 124.032+/-347.569 χ^2/NDF:27.5/18

Right Out: -125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: -678.640+/-1179.336 χ^2/NDF:10.1/16

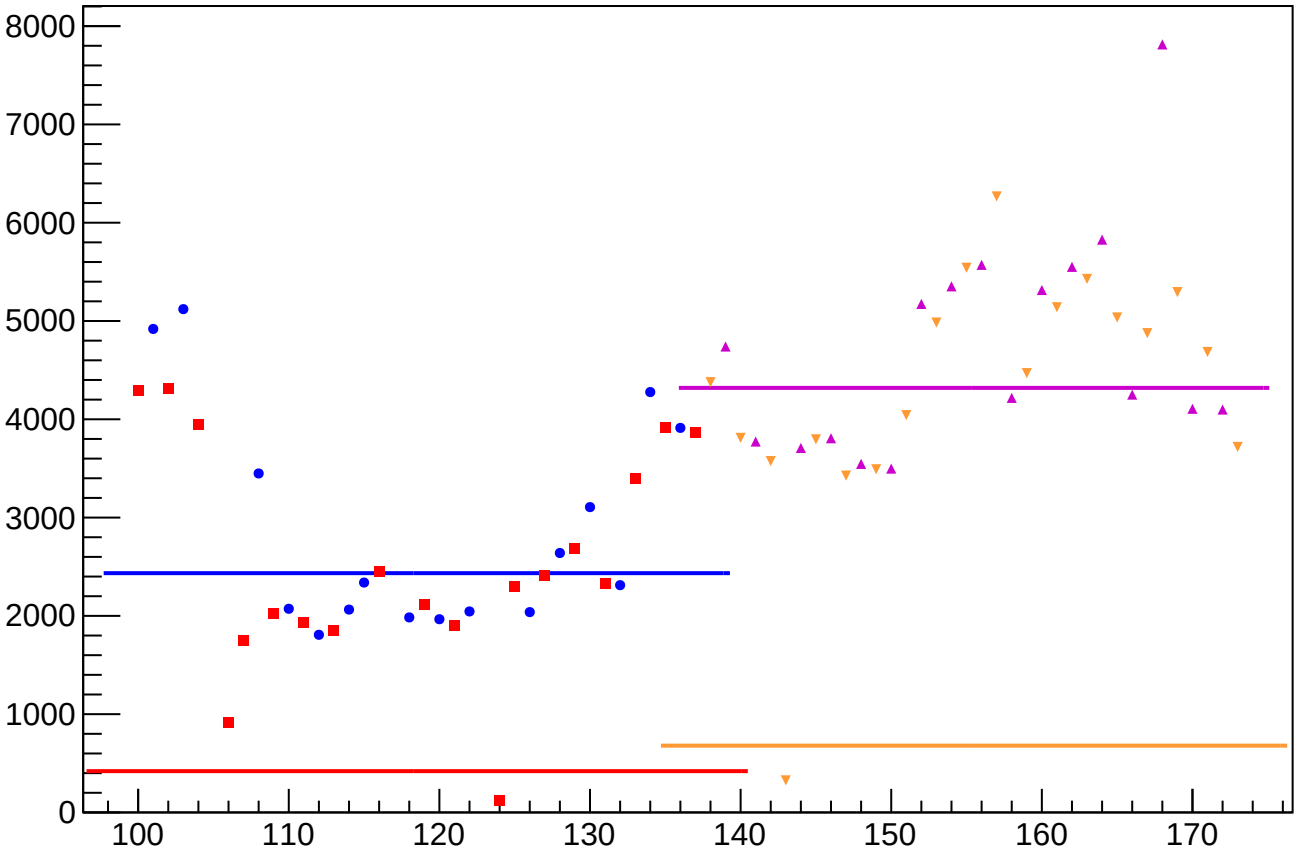
Left: 59.885+/-333.392 χ^2/NDF: 38.1/35

Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: -97.005+/-745.015 χ^2/NDF:25.7/32

Out: -9.636+/-236.885 χ^2/NDF:48.7/37

All: -17.658+/-225.749 χ^2/NDF: 74.4/70



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 679.681+/-0.246 χ^2/NDF:21998090.1/18

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 4319.612+/-0.834 χ^2/NDF:1075281.7/16

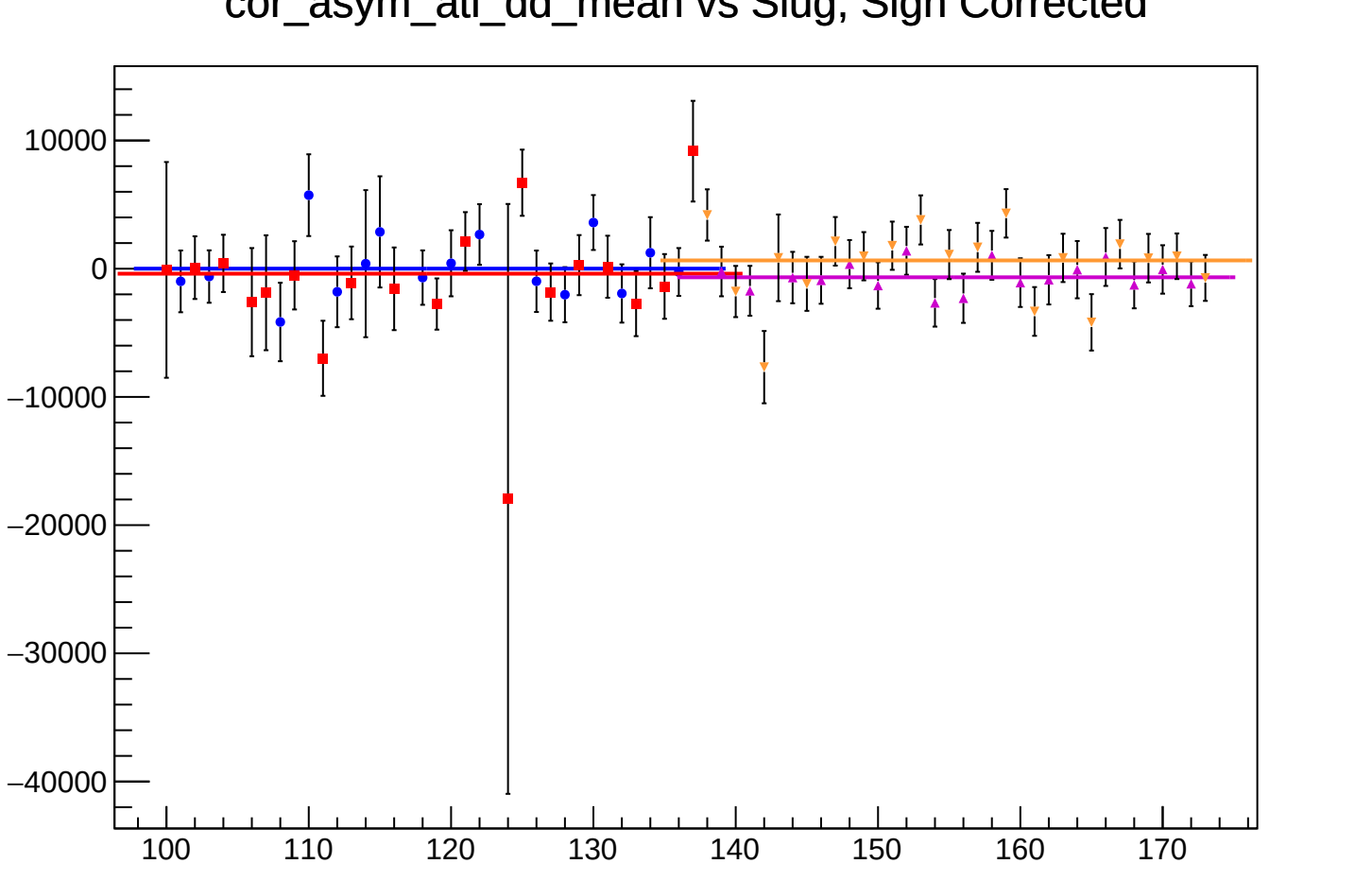
Left: 970.570+/-0.236 χ^2/NDF: 40602854.0/35

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 3186.859+/-0.527 χ^2/NDF:5603484.0/32

Out: 540.781+/-0.168 χ^2/NDF:33658551.6/37

All: 783.734+/-0.160 χ^2/NDF: 62174868.8/70



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 646.735+/-454.808 χ^2/NDF:32.2/18

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -669.438+/-464.374 χ^2/NDF:5.6/16

Left: 2.344+/-324.927 χ^2/NDF: 41.9/35

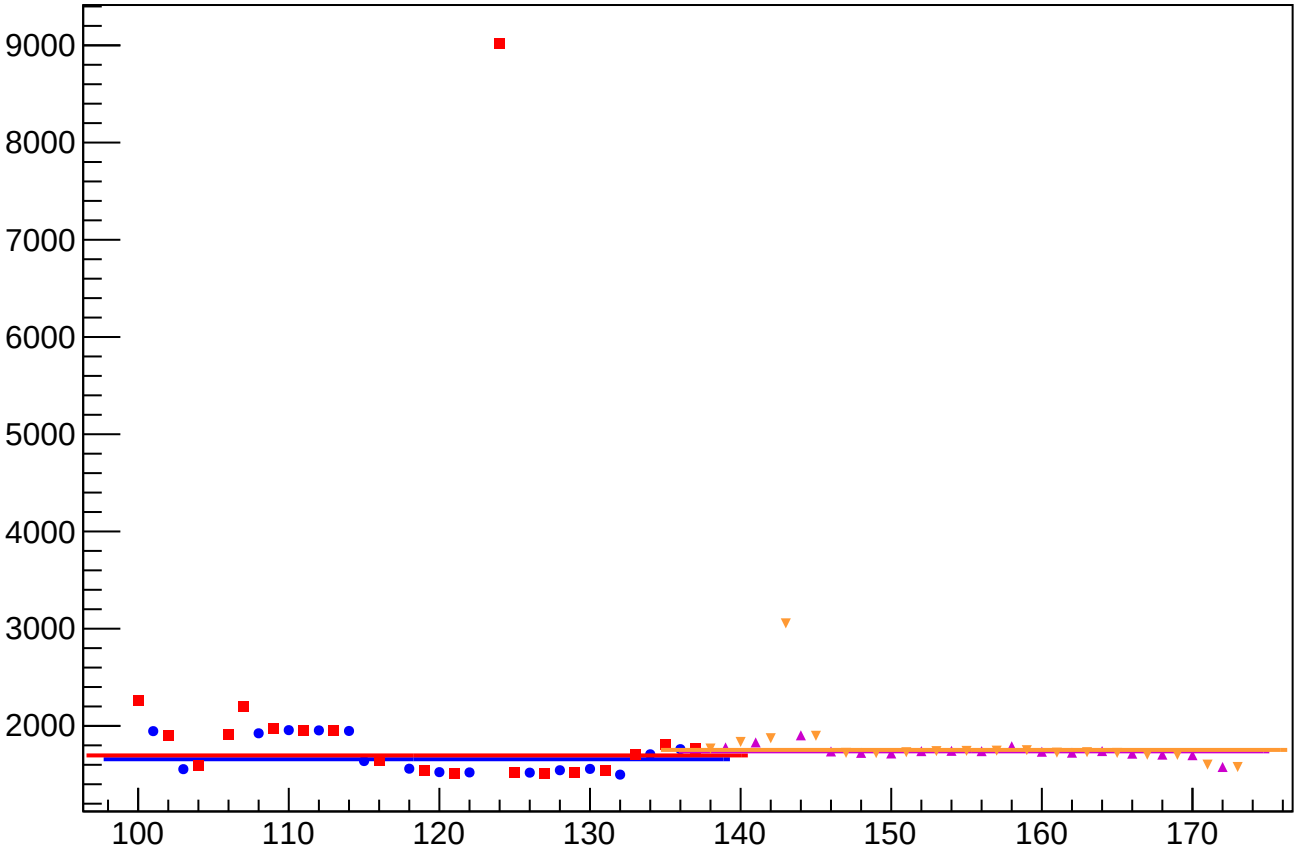
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -427.265+/-371.659 χ^2/NDF:18.8/32

Out: 294.582+/-369.492 χ^2/NDF:58.0/37

All: -64.231+/-262.033 χ^2/NDF: 78.7/70

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1753.044+/-0.322 χ^2/NDF:352338.1/18

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1738.429+/-0.328 χ^2/NDF:39546.3/16

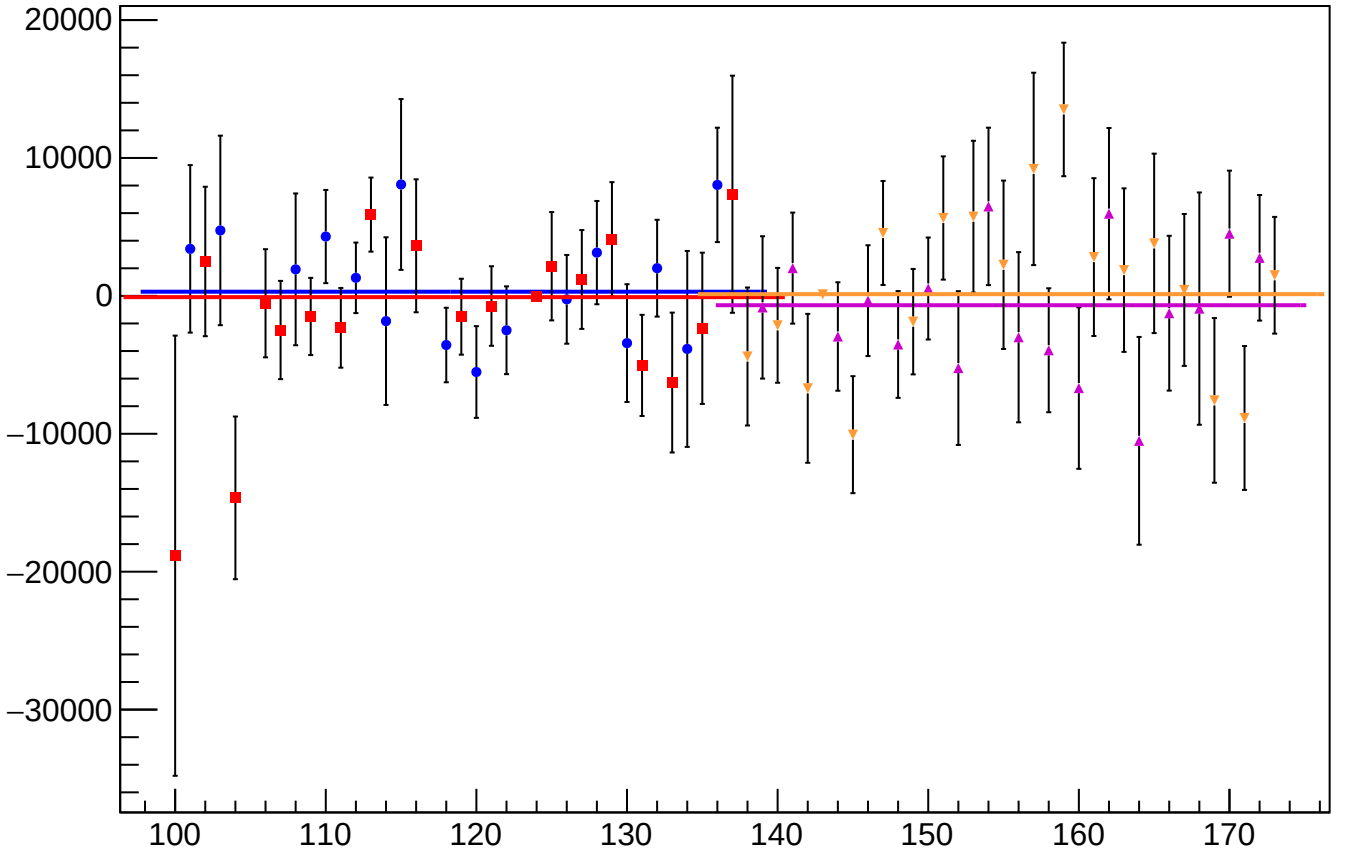
Left: 1745.889+/-0.230 χ^2/NDF: 392895.6/35

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1709.202+/-0.263 χ^2/NDF:205569.4/32

Out: 1733.695+/-0.261 χ^2/NDF:750901.8/37

All: 1721.538+/-0.185 χ^2/NDF: 960845.8/70



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 124.462+/-347.544 χ^2/NDF:27.5/18

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -678.649+/-1179.334 χ^2/NDF:10.1/16

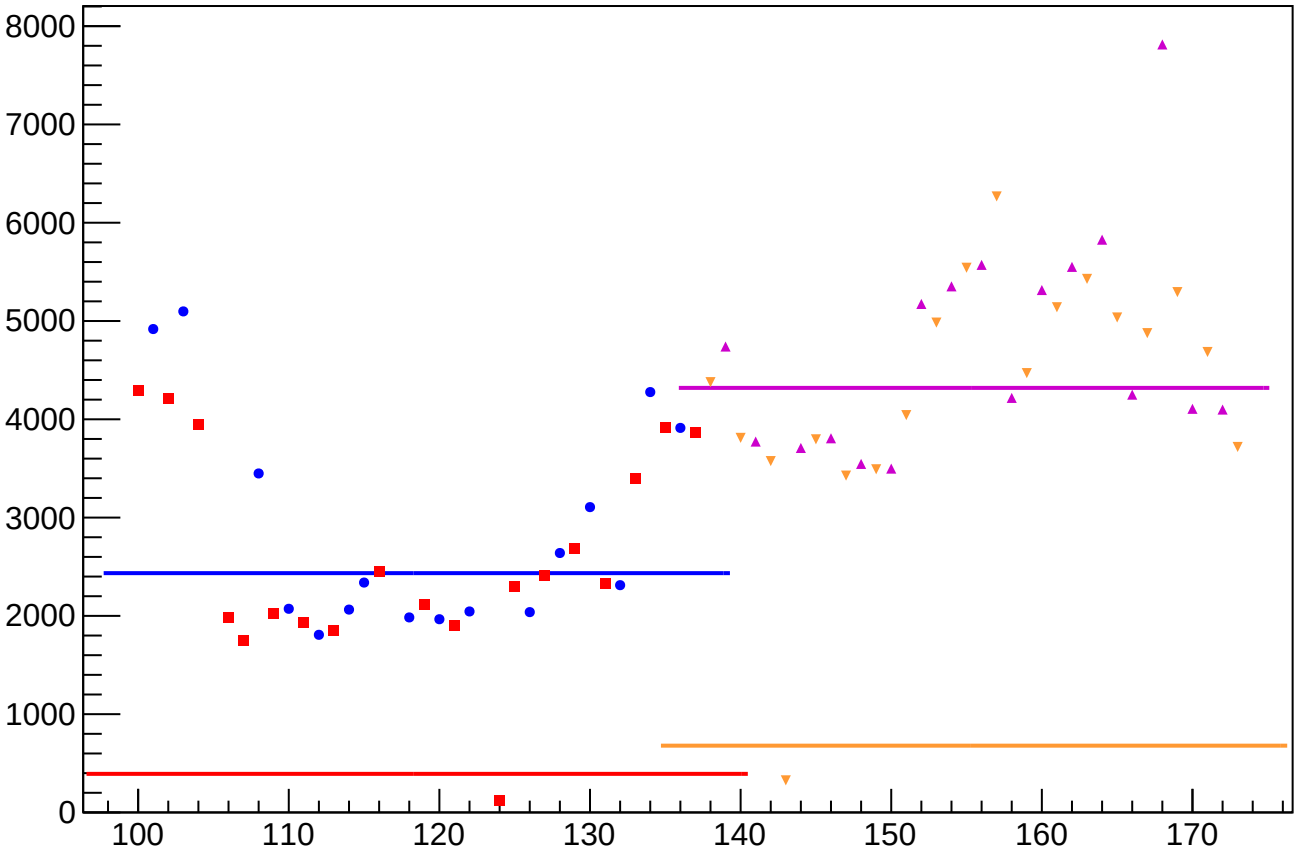
Left: 60.289+/-333.370 χ^2/NDF: 38.1/35

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -89.393+/-744.960 χ^2/NDF:25.9/32

Out: 5.748+/-233.706 χ^2/NDF:48.4/37

All: -2.776+/-222.990 χ^2/NDF: 74.3/70



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 679.603+/-0.246 χ^2/NDF:21998688.8/18

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4319.609+/-0.834 χ^2/NDF:1075273.3/16

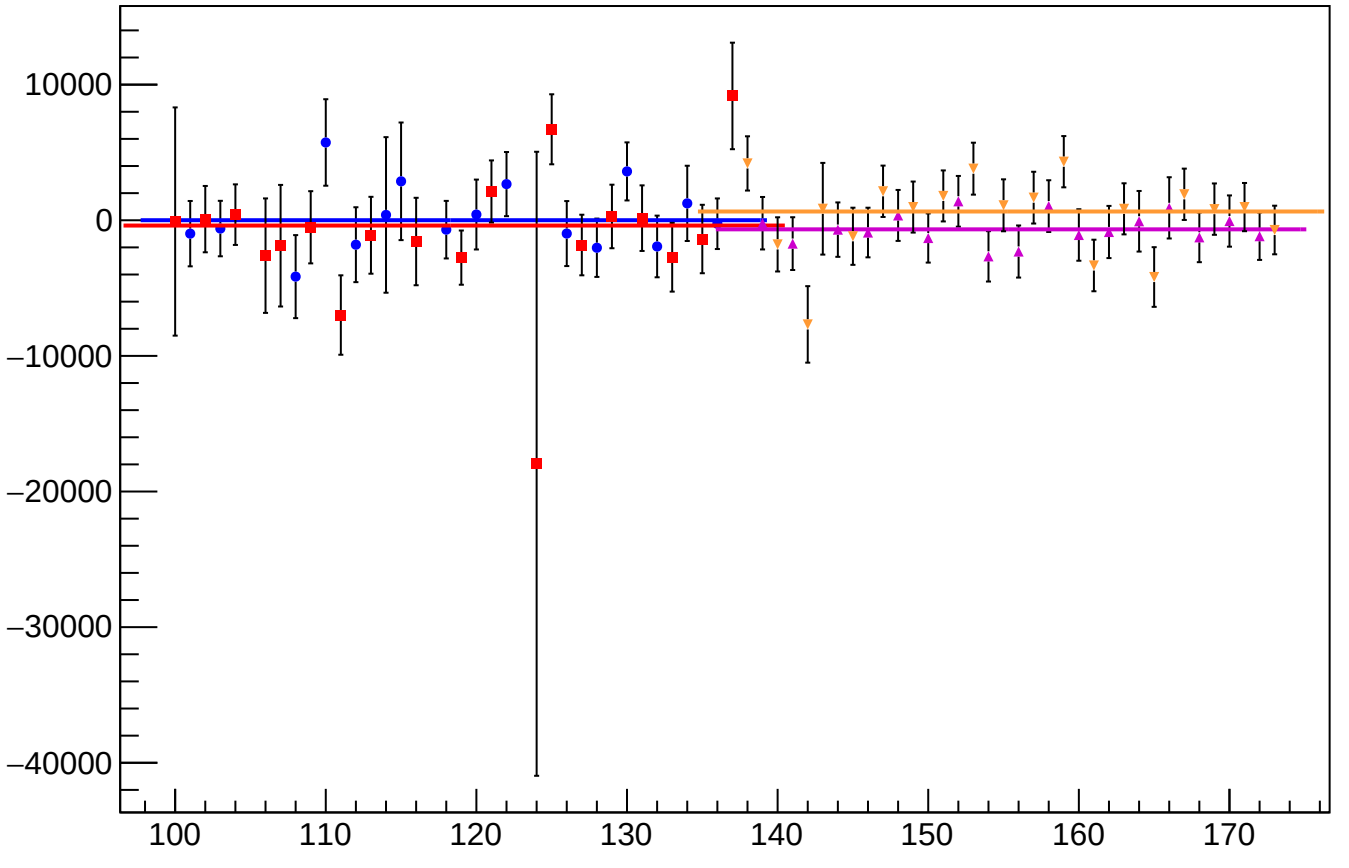
Left: 970.461+/-0.236 χ^2/NDF: 40604388.1/35

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3186.846+/-0.527 χ^2/NDF:5601537.0/32

Out: 522.415+/-0.165 χ^2/NDF:34153518.4/37

All: 761.147+/-0.158 χ^2/NDF: 63047004.8/70



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 646.735+/-454.808 χ^2/NDF:32.2/18

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -669.438+/-464.374 χ^2/NDF:5.6/16

Left: 2.344+/-324.927 χ^2/NDF: 41.9/35

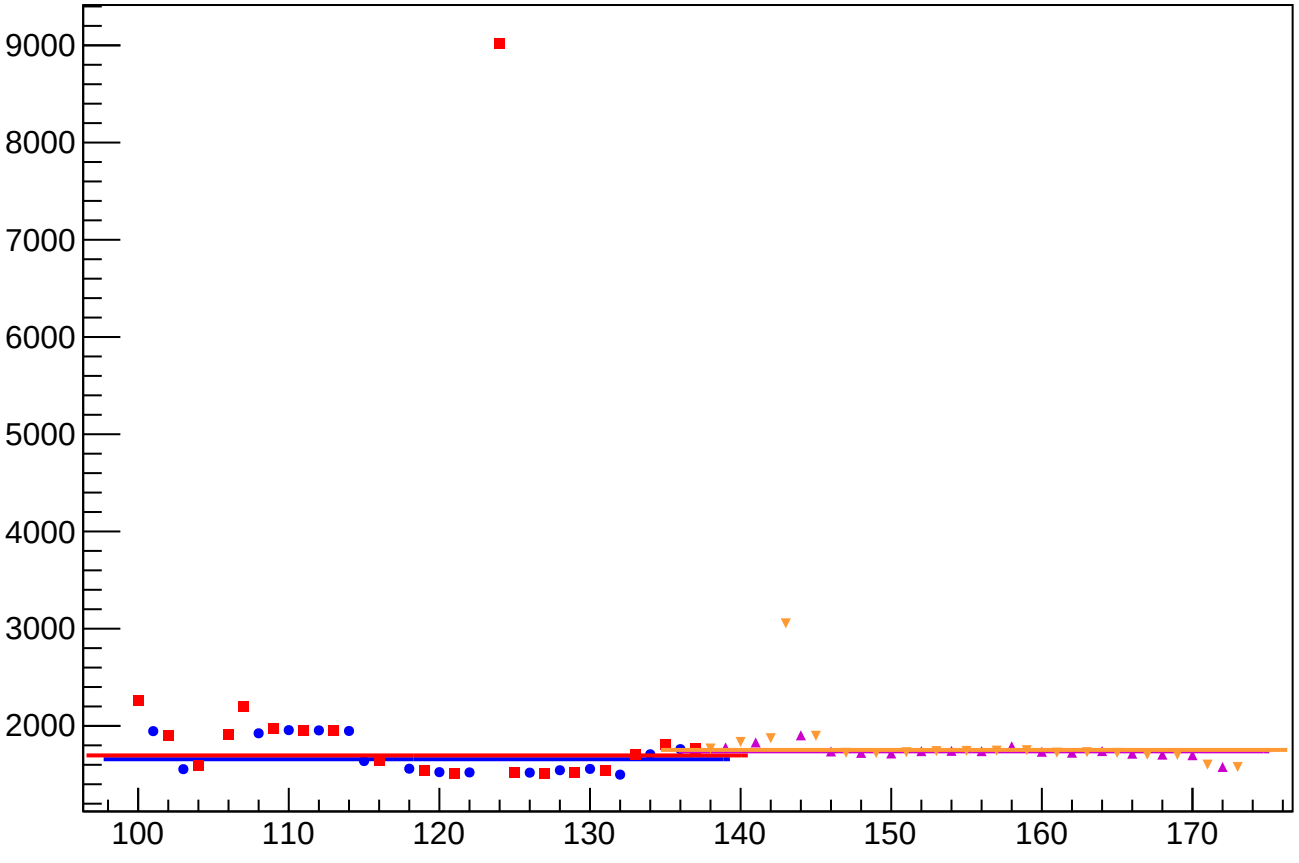
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -427.265+/-371.659 χ^2/NDF:18.8/32

Out: 294.582+/-369.492 χ^2/NDF:58.0/37

All: -64.231+/-262.033 χ^2/NDF: 78.7/70

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1753.044+/-0.322 χ^2/NDF:352338.1/18

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1738.429+/-0.328 χ^2/NDF:39546.3/16

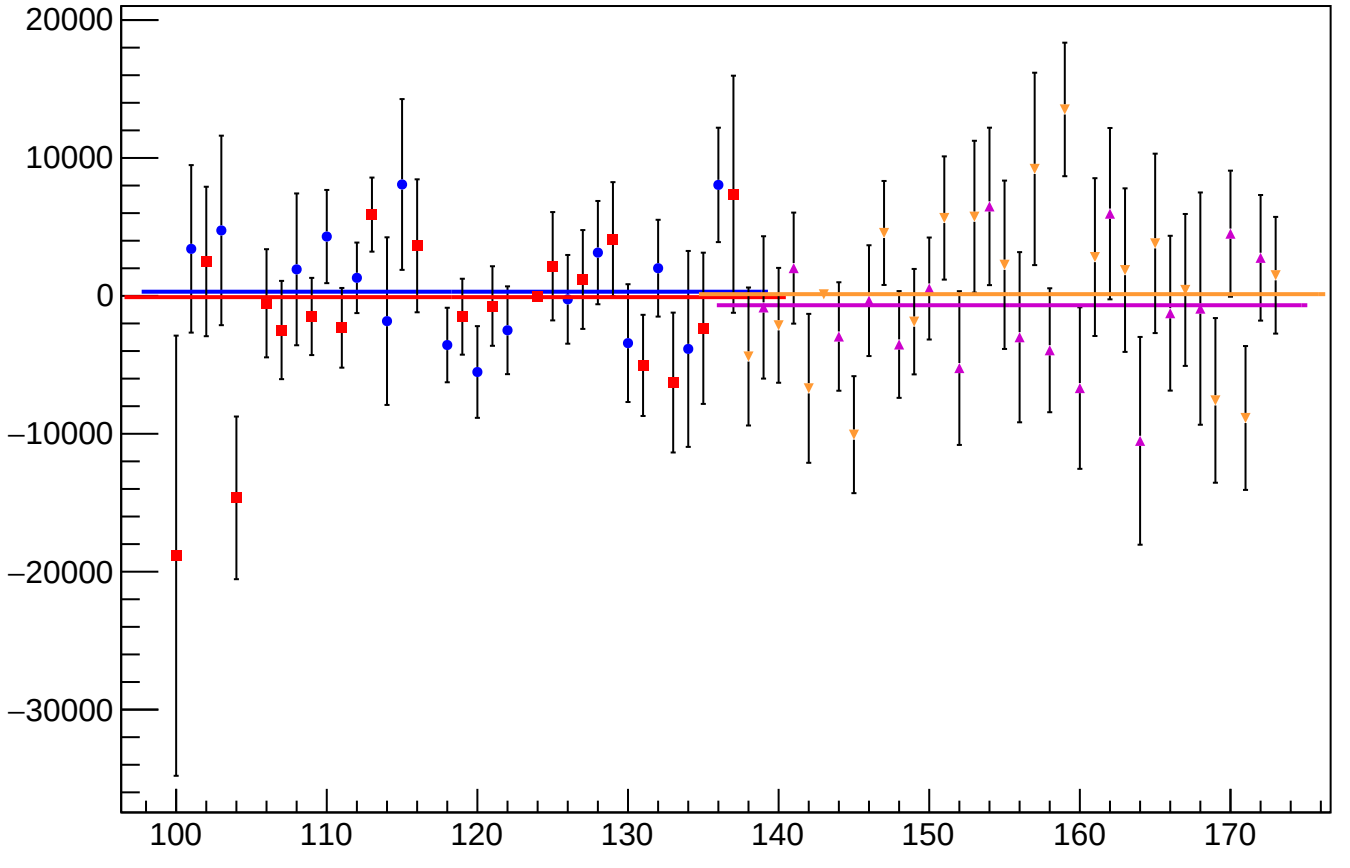
Left: 1745.889+/-0.230 χ^2/NDF: 392895.6/35

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1709.202+/-0.263 χ^2/NDF:205569.4/32

Out: 1733.695+/-0.261 χ^2/NDF:750901.8/37

All: 1721.538+/-0.185 χ^2/NDF: 960845.8/70



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 124.462+/-347.544 χ^2/NDF:27.5/18

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -678.649+/-1179.334 χ^2/NDF:10.1/16

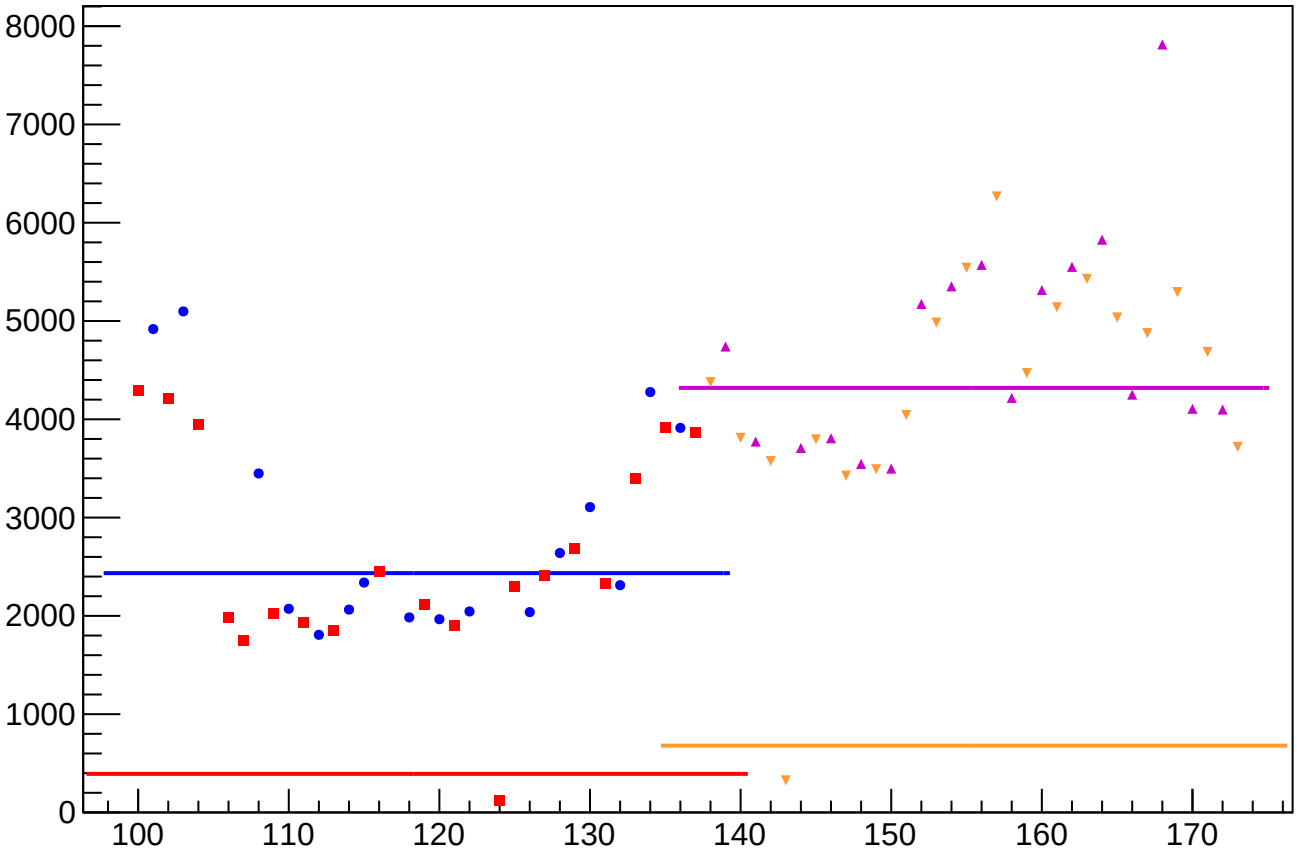
Left: 60.289+/-333.370 χ^2/NDF: 38.1/35

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -89.393+/-744.960 χ^2/NDF:25.9/32

Out: 5.748+/-233.706 χ^2/NDF:48.4/37

All: -2.776+/-222.990 χ^2/NDF: 74.3/70



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 679.603+/-0.246 χ^2/NDF:21998688.8/18

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4319.609+/-0.834 χ^2/NDF:1075273.3/16

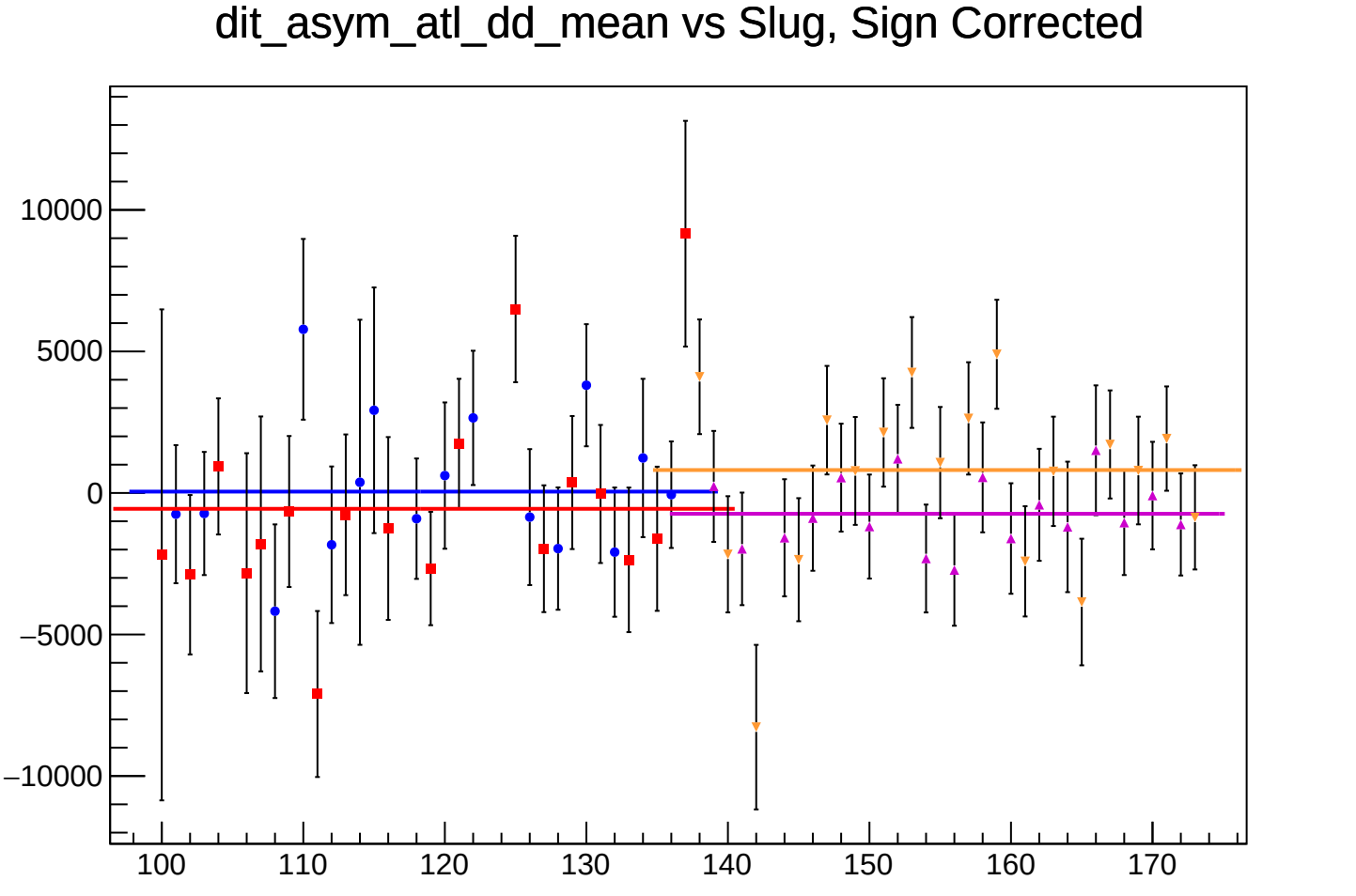
Left: 970.461+/-0.236 χ^2/NDF: 40604388.1/35

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

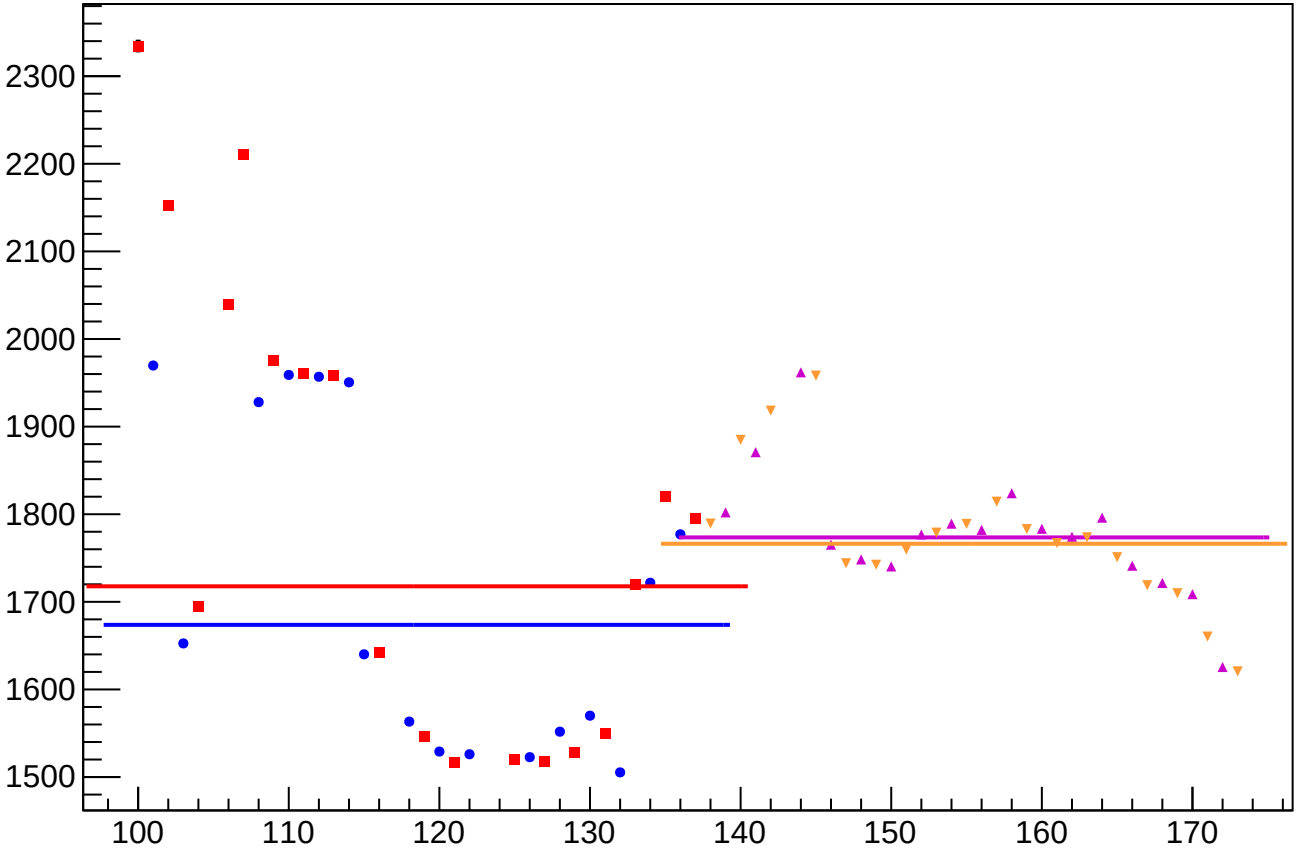
In: 3186.846+/-0.527 χ^2/NDF:5601537.0/32

Out: 522.415+/-0.165 χ^2/NDF:34153518.4/37

All: 761.147+/-0.158 χ^2/NDF: 63047004.8/70


dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 48.331+/-626.151 χ²/NDF: 12.8/15
Left Out: 809.982+/-468.985 χ²/NDF:34.9/17
Right Out: -559.598+/-645.291 χ²/NDF: 23.3/17
Left In: -735.429+/-473.798 χ²/NDF:5.9/16
Left: 45.167+/-333.311 χ²/NDF: 46.2/34
Right: -246.484+/-449.370 χ²/NDF: 36.5/33
In: -450.063+/-377.823 χ²/NDF:19.7/32
Out: 336.601+/-379.374 χ²/NDF:61.2/35
All: -58.342+/-267.708 χ²/NDF: 83.0/68

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1766.317+/-0.332 χ^2/NDF:52522.9/17

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1773.552+/-0.335 χ^2/NDF:42402.7/16

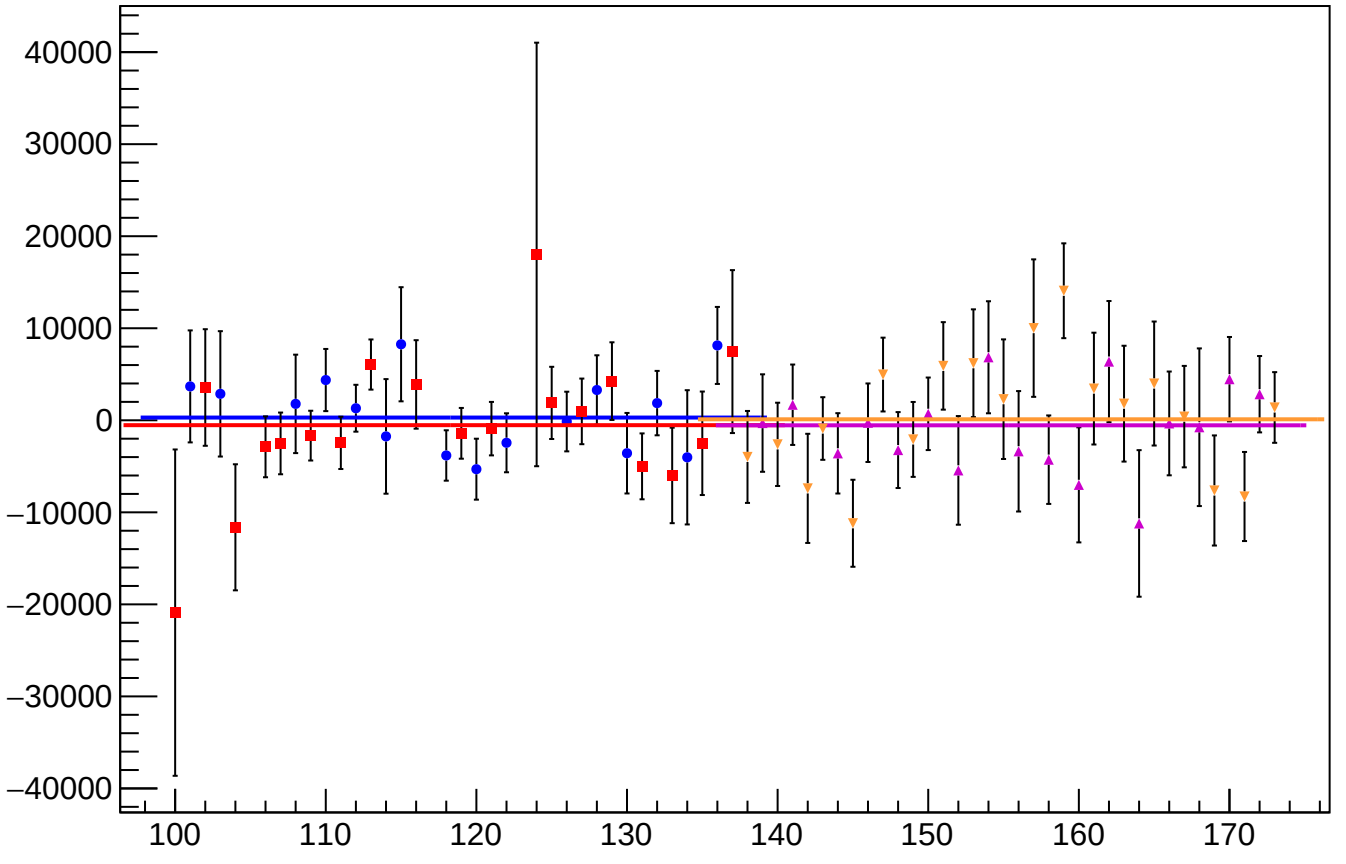
Left: 1769.898+/-0.236 χ^2/NDF: 95161.2/34

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1737.207+/-0.267 χ^2/NDF:215600.2/32

Out: 1749.467+/-0.268 χ^2/NDF:287612.2/35

All: 1743.317+/-0.189 χ^2/NDF: 504261.9/68



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 106.637+/-1139.884 χ^2/NDF:27.5/18

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -545.995+/-1234.417 χ^2/NDF:10.1/16

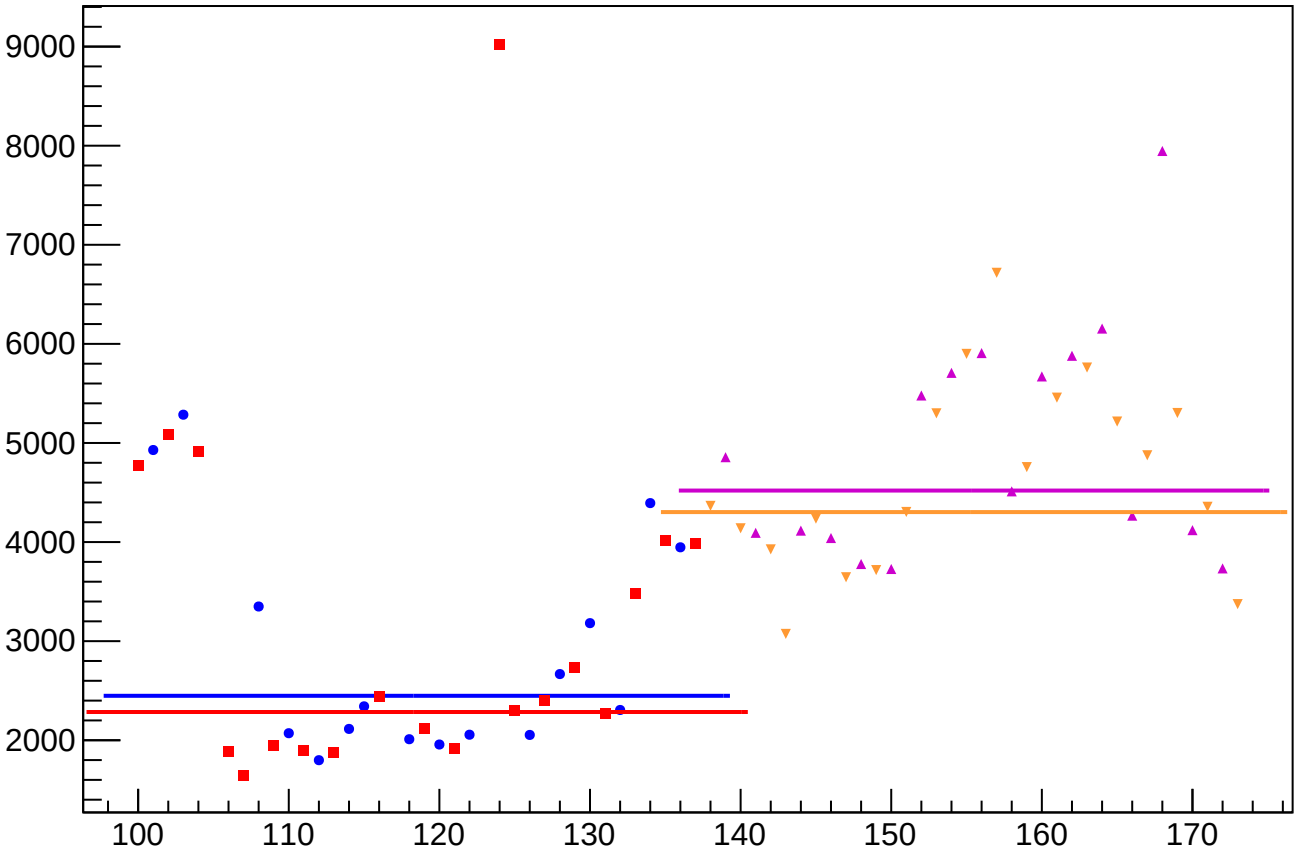
Left: -193.735+/-837.448 χ^2/NDF: 37.7/35

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: -22.929+/-760.103 χ^2/NDF:25.6/32

Out: -291.546+/-698.536 χ^2/NDF:46.4/37

All: -168.555+/-514.330 χ^2/NDF: 72.1/70



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4302.598+/-0.806 χ^2/NDF:1182444.8/18

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4519.795+/-0.873 χ^2/NDF:1082420.6/16

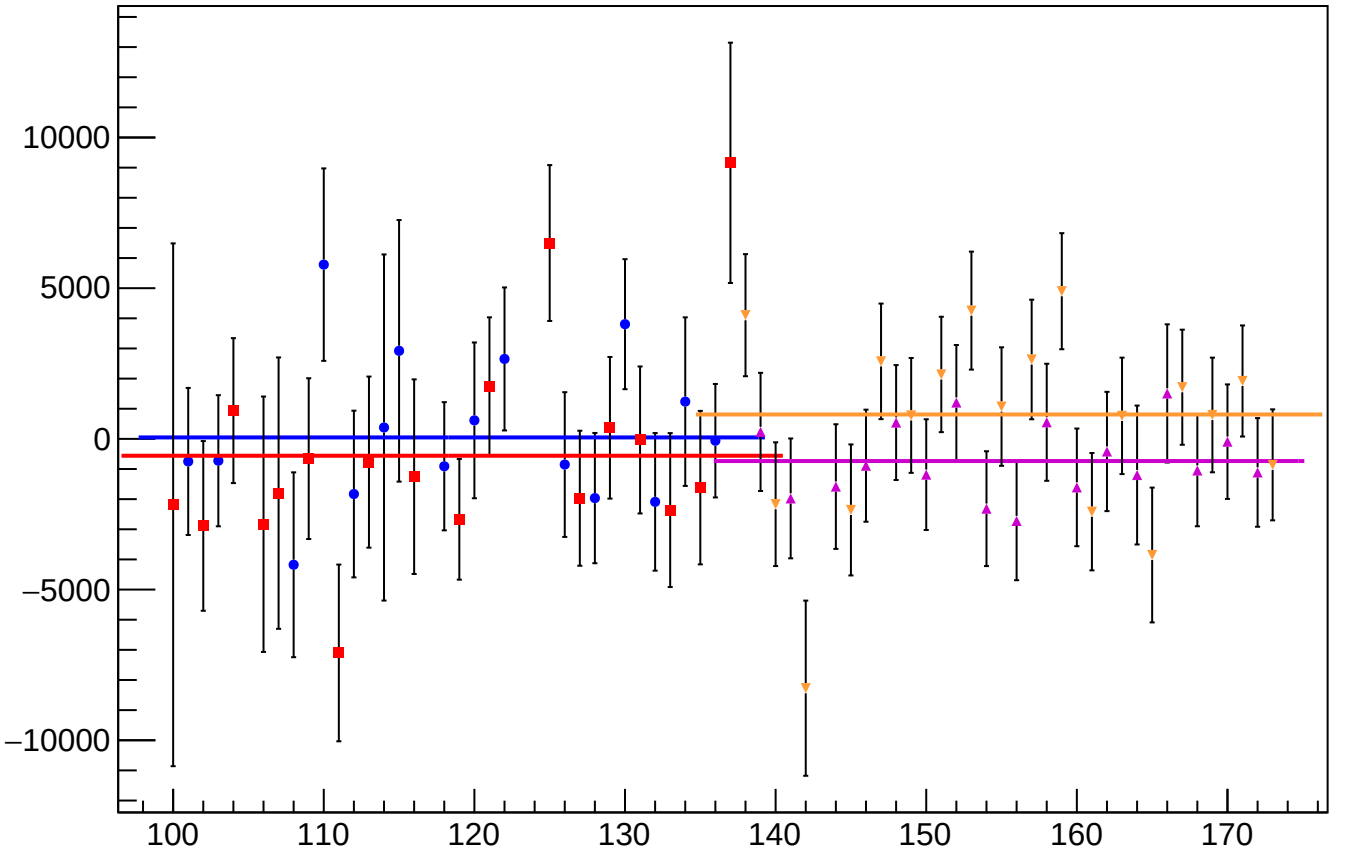
Left: 4402.562+/-0.592 χ^2/NDF: 2298285.7/35

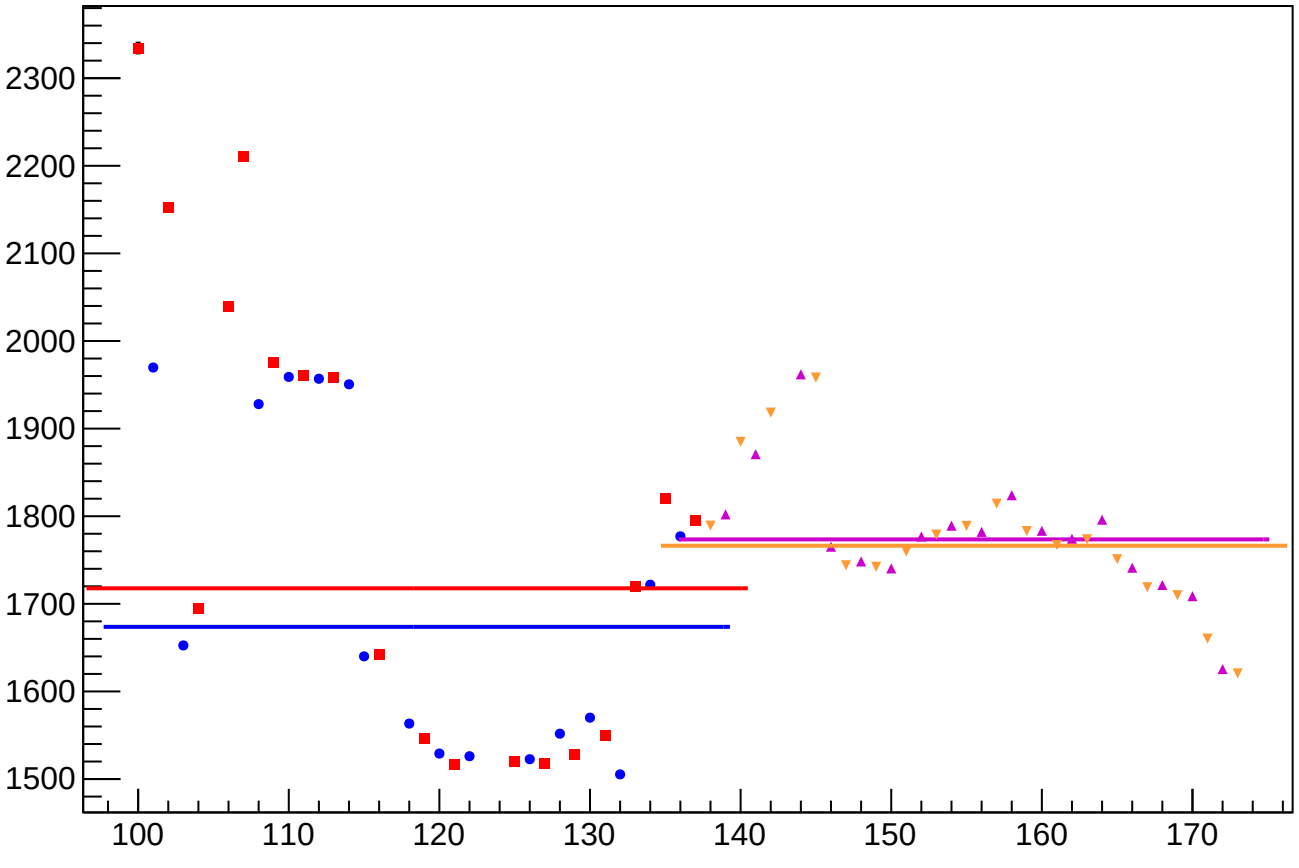
Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 3233.910+/-0.537 χ^2/NDF:6095669.8/32

Out: 3042.737+/-0.494 χ^2/NDF:6643725.5/37

All: 3130.269+/-0.364 χ^2/NDF: 12807983.2/7


eigen_dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 48.329+/-626.151 χ²/NDF: 12.8/15
Left Out: 809.983+/-468.985 χ²/NDF:34.9/17
Right Out: -559.600+/-645.291 χ²/NDF: 23.3/17
Left In: -735.429+/-473.798 χ²/NDF:5.9/16
Left: 45.167+/-333.311 χ²/NDF: 46.2/34
Right: -246.486+/-449.370 χ²/NDF: 36.5/33
In: -450.064+/-377.823 χ²/NDF:19.7/32
Out: 336.601+/-379.374 χ²/NDF:61.2/35
All: -58.343+/-267.708 χ²/NDF: 83.0/68



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1766.318+/-0.332 χ^2/NDF:52524.9/17

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1773.553+/-0.335 χ^2/NDF:42403.9/16

Left: 1769.898+/-0.236 χ^2/NDF: 95164.4/34

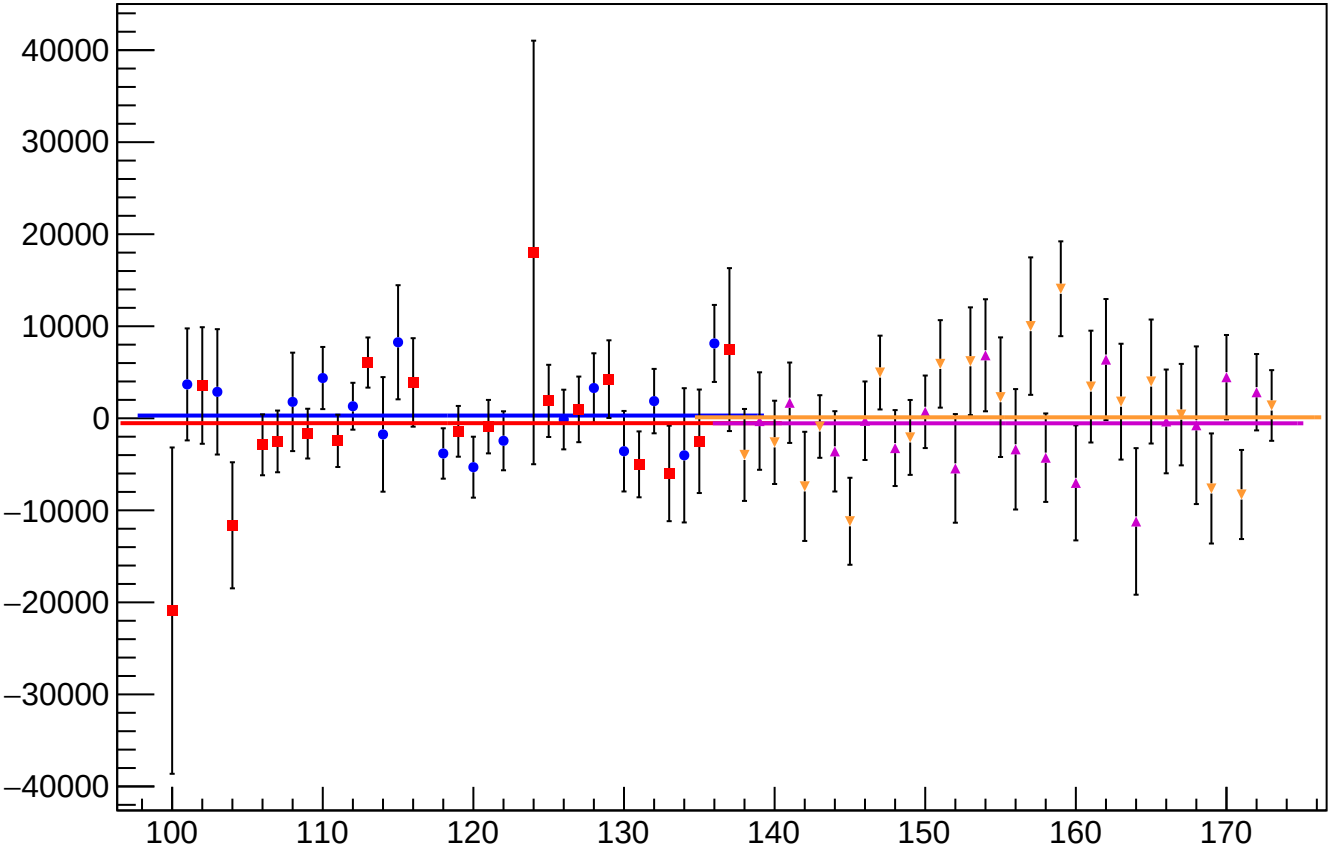
Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1737.207+/-0.267 χ^2/NDF:215601.9/32

Out: 1749.467+/-0.268 χ^2/NDF:287613.6/35

All: 1743.317+/-0.189 χ^2/NDF: 504265.0/68

asym_atl_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 106.641+/-1139.886 χ^2/NDF:27.5/18

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -545.996+/-1234.419 χ^2/NDF:10.1/16

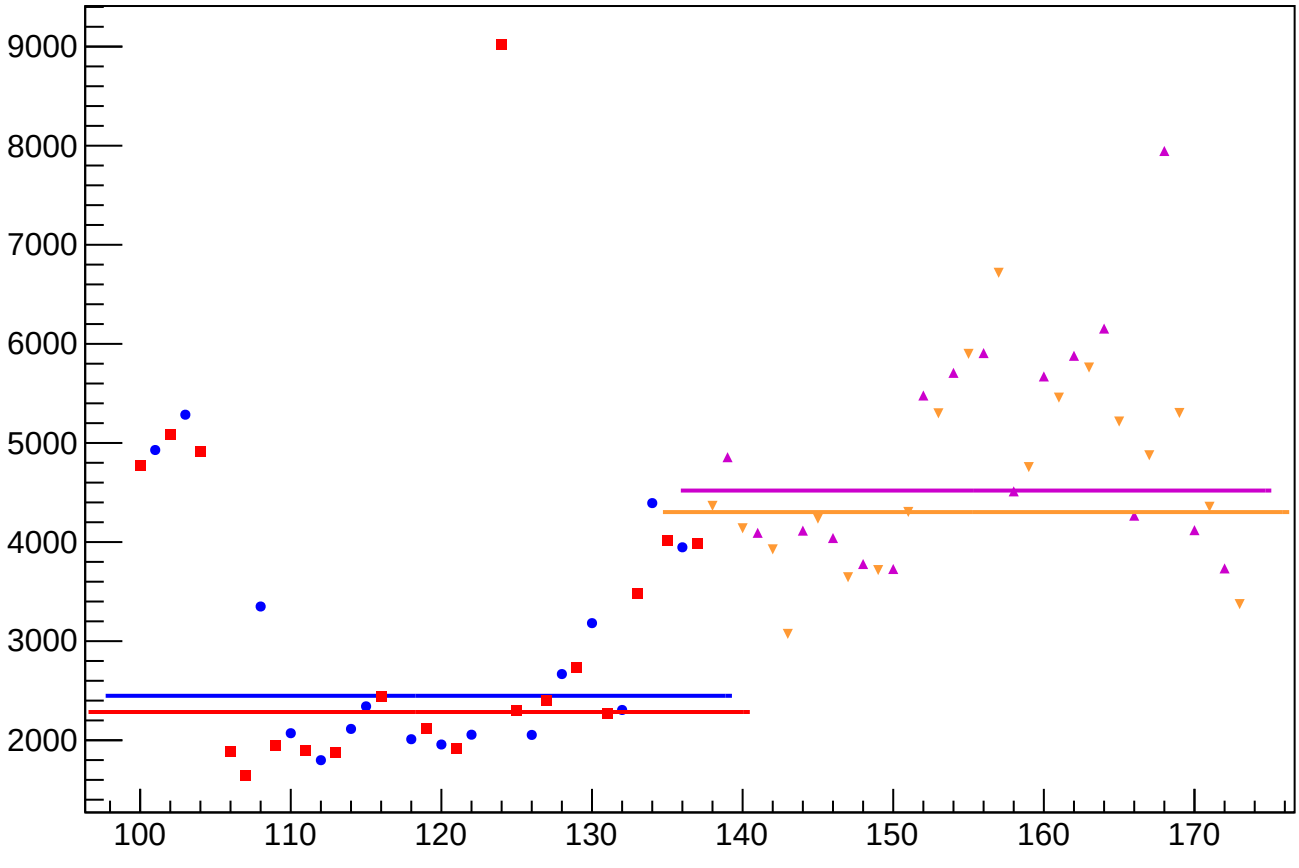
Left: -193.734+/-837.449 χ^2/NDF: 37.7/35

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: -22.931+/-760.101 χ^2/NDF:25.6/32

Out: -291.547+/-698.535 χ^2/NDF:46.4/37

All: -168.556+/-514.329 χ^2/NDF: 72.1/70



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4302.604+/-0.806 χ^2/NDF:1182446.2/18

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4519.802+/-0.873 χ^2/NDF:1082421.4/16

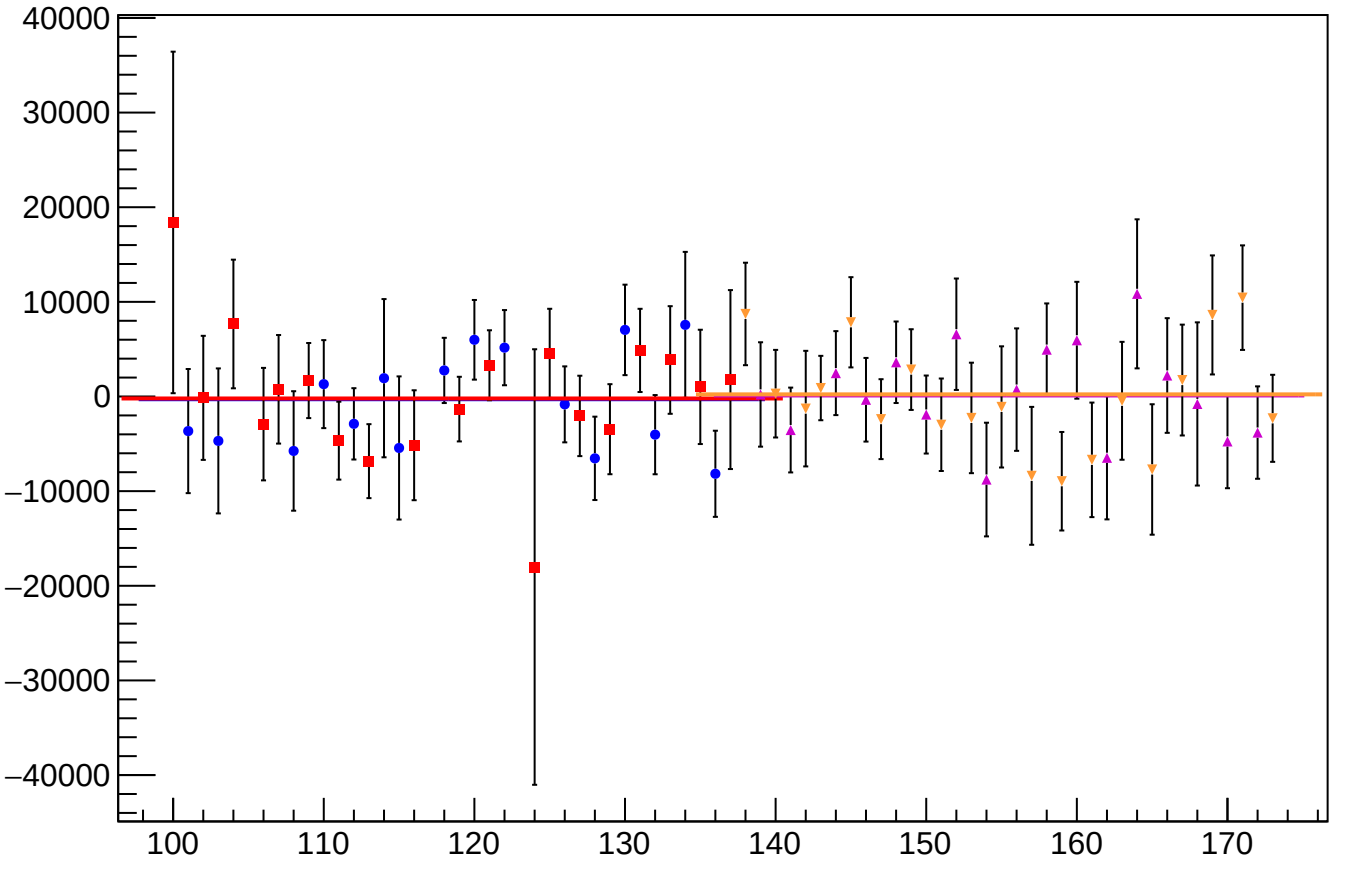
Left: 4402.569+/-0.592 χ^2/NDF: 2298287.7/35

Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 3233.901+/-0.537 χ^2/NDF:6095745.7/32

Out: 3042.729+/-0.494 χ^2/NDF:6643796.6/37

All: 3130.260+/-0.364 χ^2/NDF: 12808129.1/7



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 225.392+/-1187.446 χ^2/NDF:19.3/18

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: 110.232+/-1281.049 χ^2/NDF:11.8/16

Left: 172.173+/-870.864 χ^2/NDF: 31.0/35

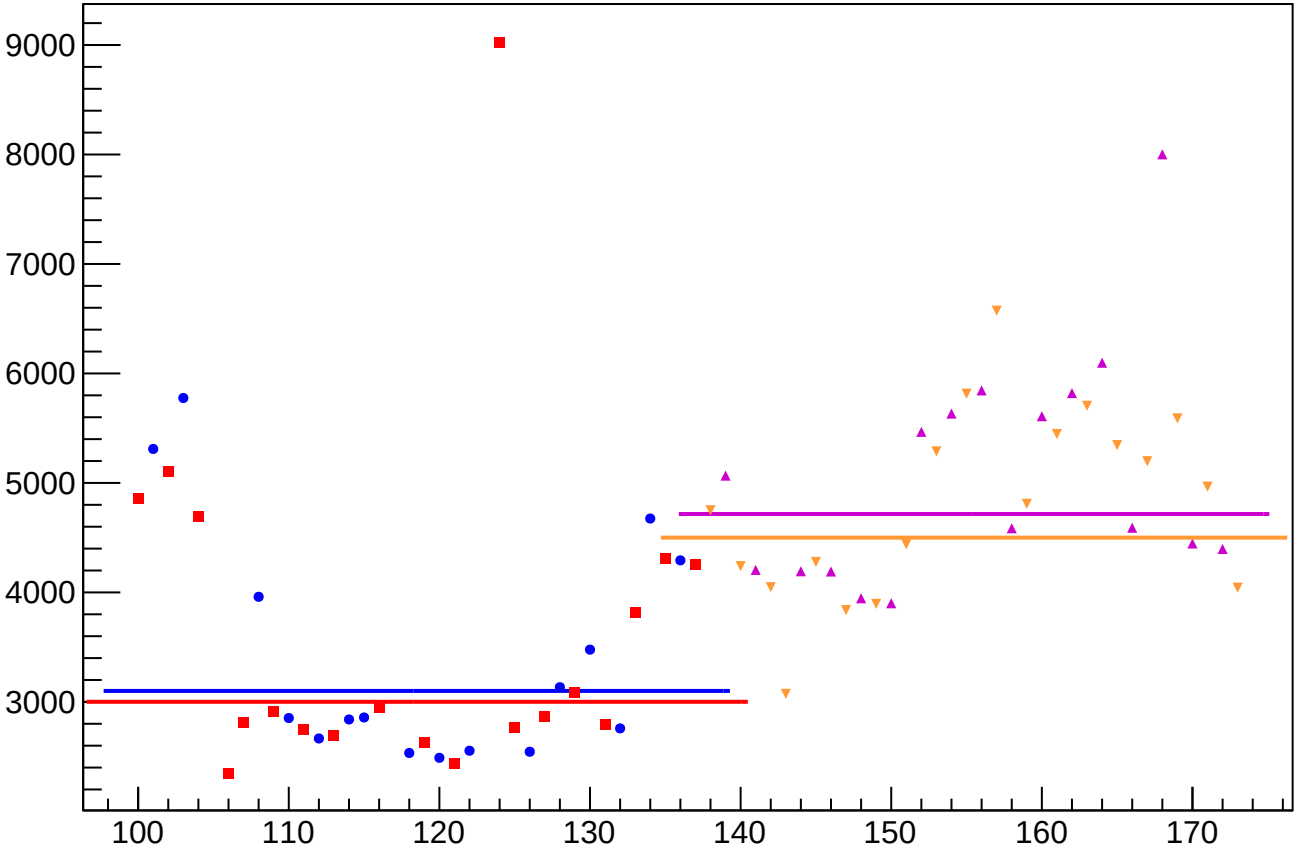
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: -101.933+/-874.744 χ^2/NDF:28.4/32

Out: 1.701+/-827.478 χ^2/NDF:32.2/37

All: -47.241+/-601.131 χ^2/NDF: 60.6/70

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4500.285+/-0.840 χ^2/NDF:1033641.8/18

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4716.077+/-0.906 χ^2/NDF:840436.8/16

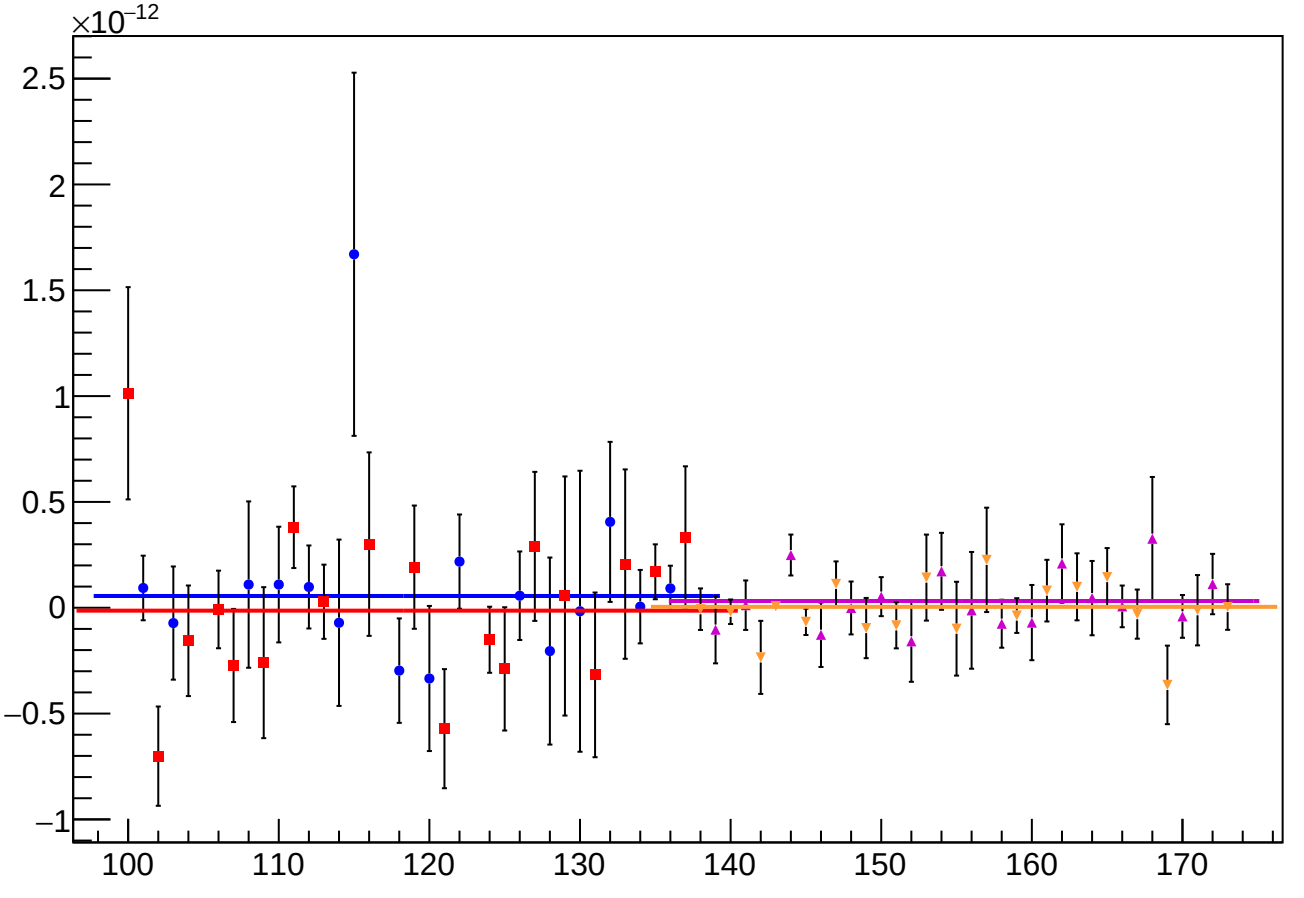
Left: 4600.010+/-0.616 χ^2/NDF: 1904602.6/35

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3853.587+/-0.619 χ^2/NDF:3502657.5/32

Out: 3718.758+/-0.581 χ^2/NDF:3502518.9/37

All: 3781.959+/-0.423 χ^2/NDF: 7030419.1/70



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.7/16

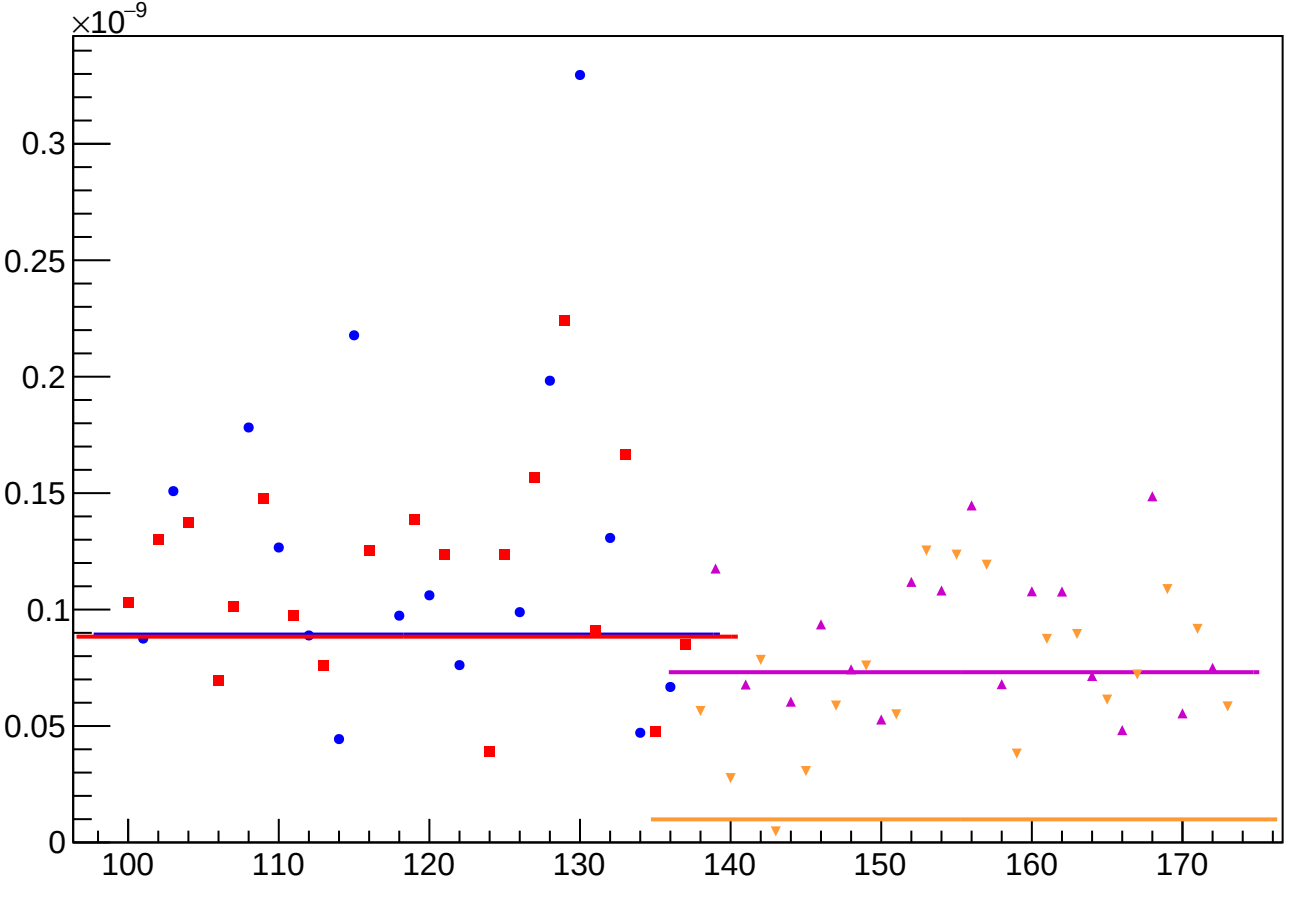
Left: 0.000+/-0.000 χ^2/NDF: 26.5/35

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:22.2/32

Out: 0.000+/-0.000 χ^2/NDF:43.3/37

All: 0.000+/-0.000 χ^2/NDF: 66.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:8228963.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1093399.3/16

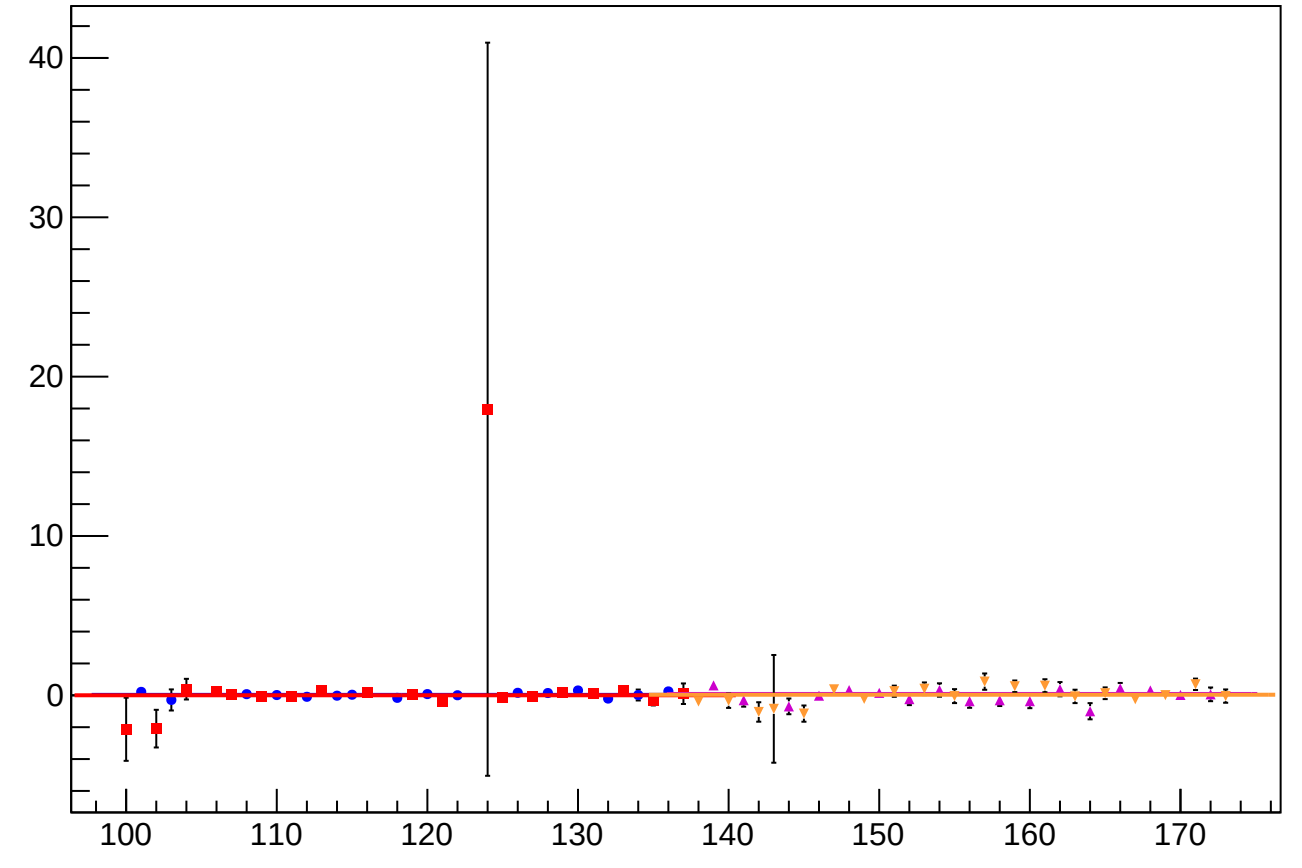
Left: 0.000+/-0.000 χ^2/NDF: 16417928.2/35

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:2166104.4/32

Out: 0.000+/-0.000 χ^2/NDF:13113922.2/37

All: 0.000+/-0.000 χ^2/NDF: 25215817.4/70



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.037+/-0.079 χ^2/NDF:26.3/18

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.085+/-0.079 χ^2/NDF:21.1/16

Left: 0.061+/-0.056 χ^2/NDF: 47.6/35

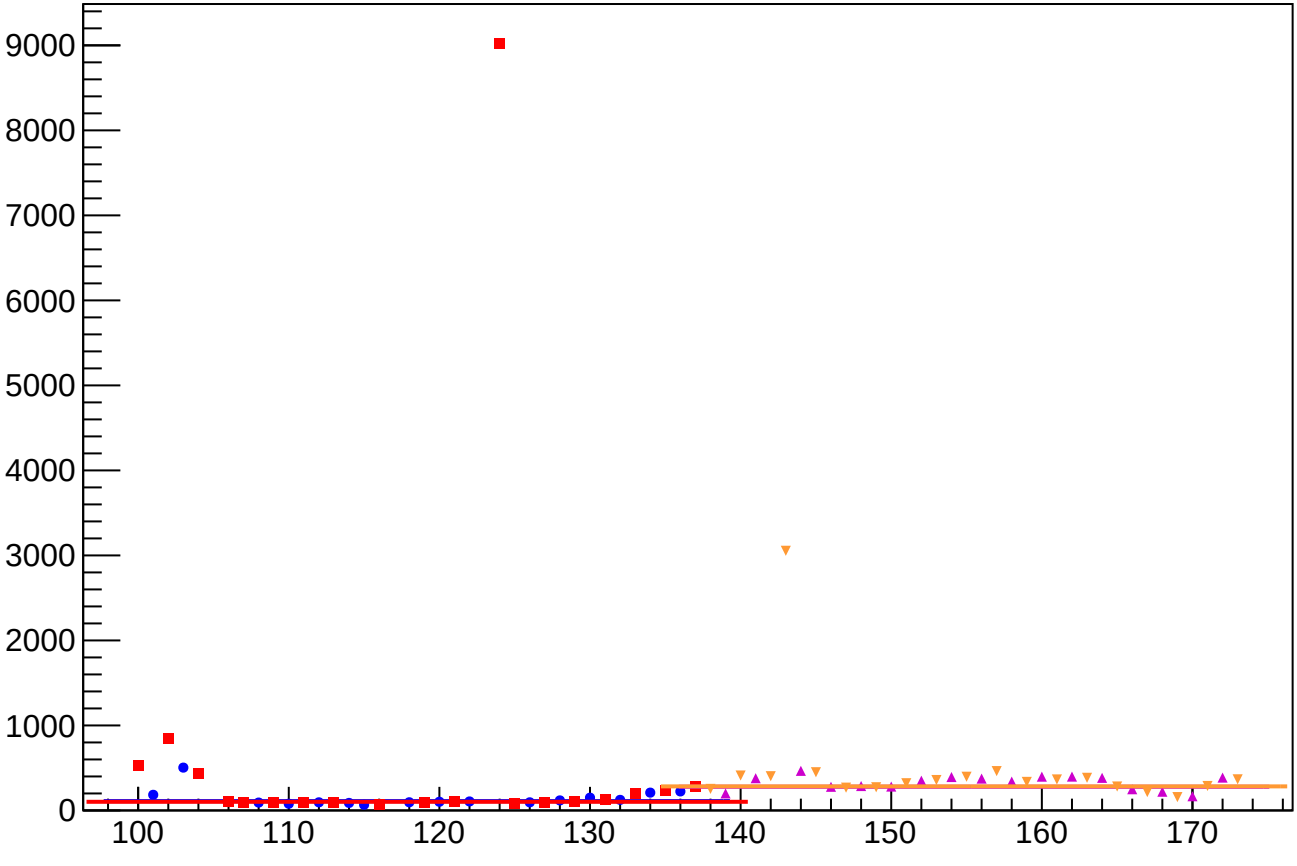
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.042+/-0.039 χ^2/NDF:30.3/32

Out: 0.011+/-0.038 χ^2/NDF:48.8/37

All: 0.026+/-0.027 χ^2/NDF: 79.5/70

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: 283.214+/-0.056 χ^2/NDF:3793282.7/18

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 278.870+/-0.056 χ^2/NDF:2355391.4/16

Left: 281.029+/-0.040 χ^2/NDF: 6151688.2/35

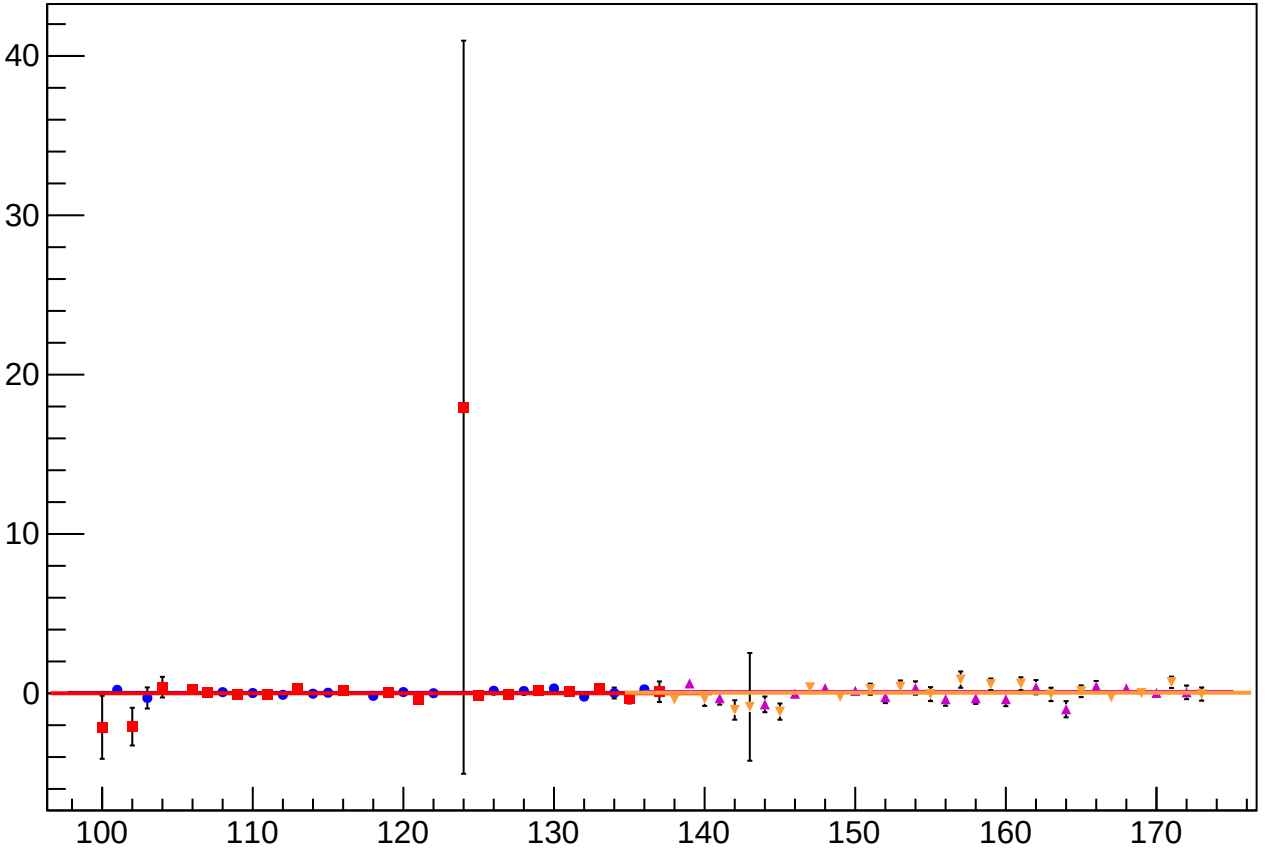
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 151.860+/-0.028 χ^2/NDF:11177676.9/32

Out: 143.560+/-0.027 χ^2/NDF:14425675.3/37

All: 147.579+/-0.019 χ^2/NDF: 25649405.7/70

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.037+/-0.079 χ^2/NDF:26.3/18

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.085+/-0.079 χ^2/NDF:21.1/16

Left: 0.061+/-0.056 χ^2/NDF: 47.6/35

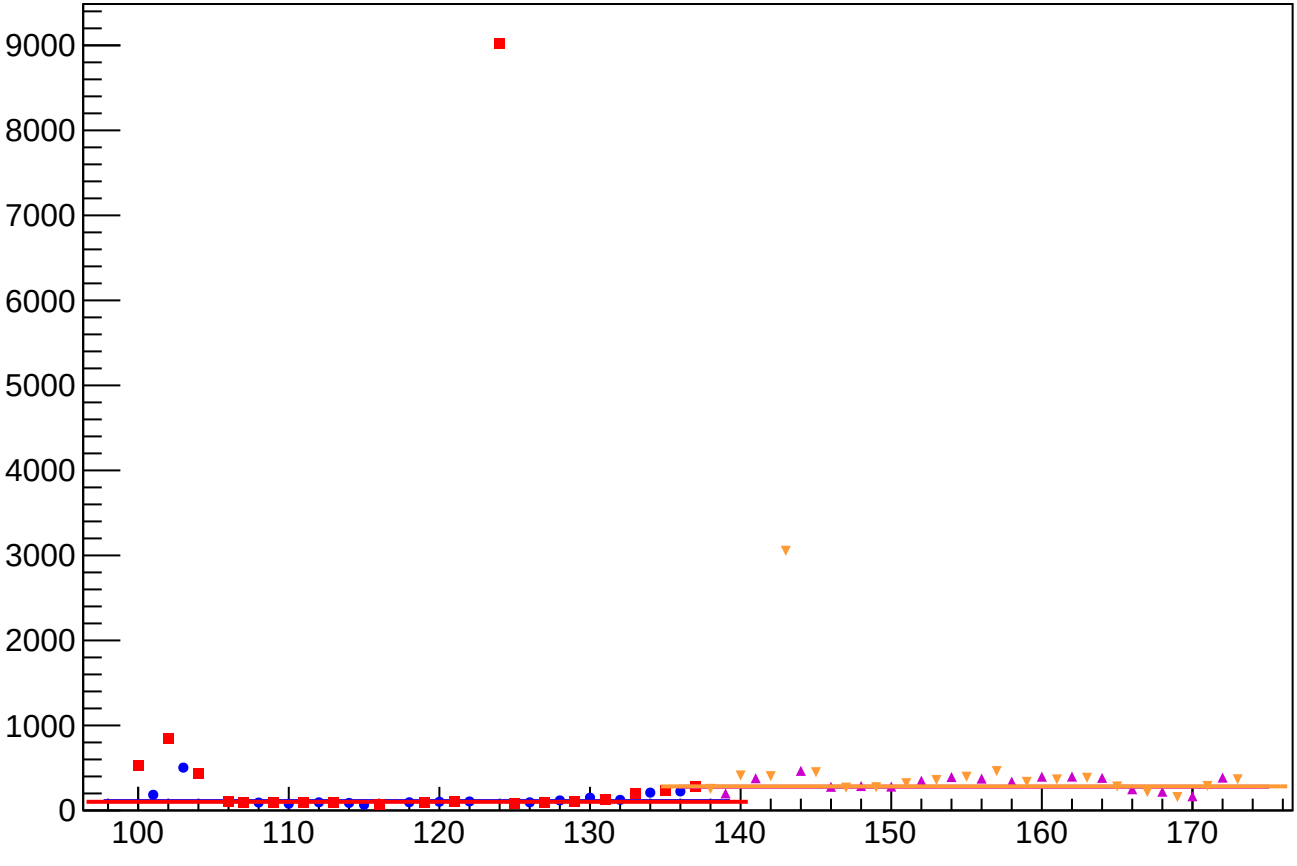
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.042+/-0.039 χ^2/NDF:30.3/32

Out: 0.011+/-0.038 χ^2/NDF:48.8/37

All: 0.026+/-0.027 χ^2/NDF: 79.5/70

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: 283.214+/-0.056 χ^2/NDF:3793282.7/18

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 278.870+/-0.056 χ^2/NDF:2355391.4/16

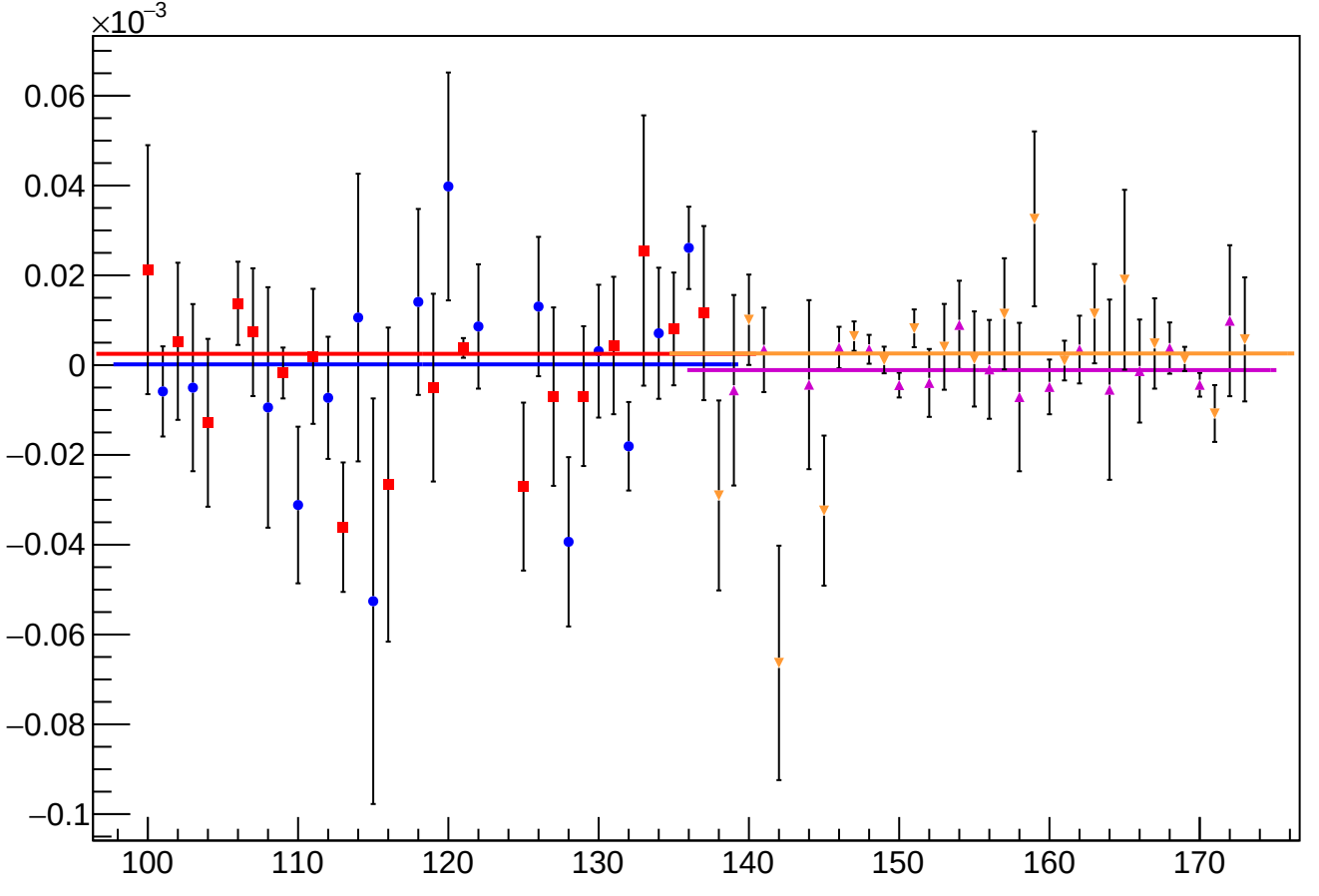
Left: 281.029+/-0.040 χ^2/NDF: 6151688.2/35

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 151.860+/-0.028 χ^2/NDF:11177676.9/32

Out: 143.560+/-0.027 χ^2/NDF:14425675.3/37

All: 147.579+/-0.019 χ^2/NDF: 25649405.7/70



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:9.8/16

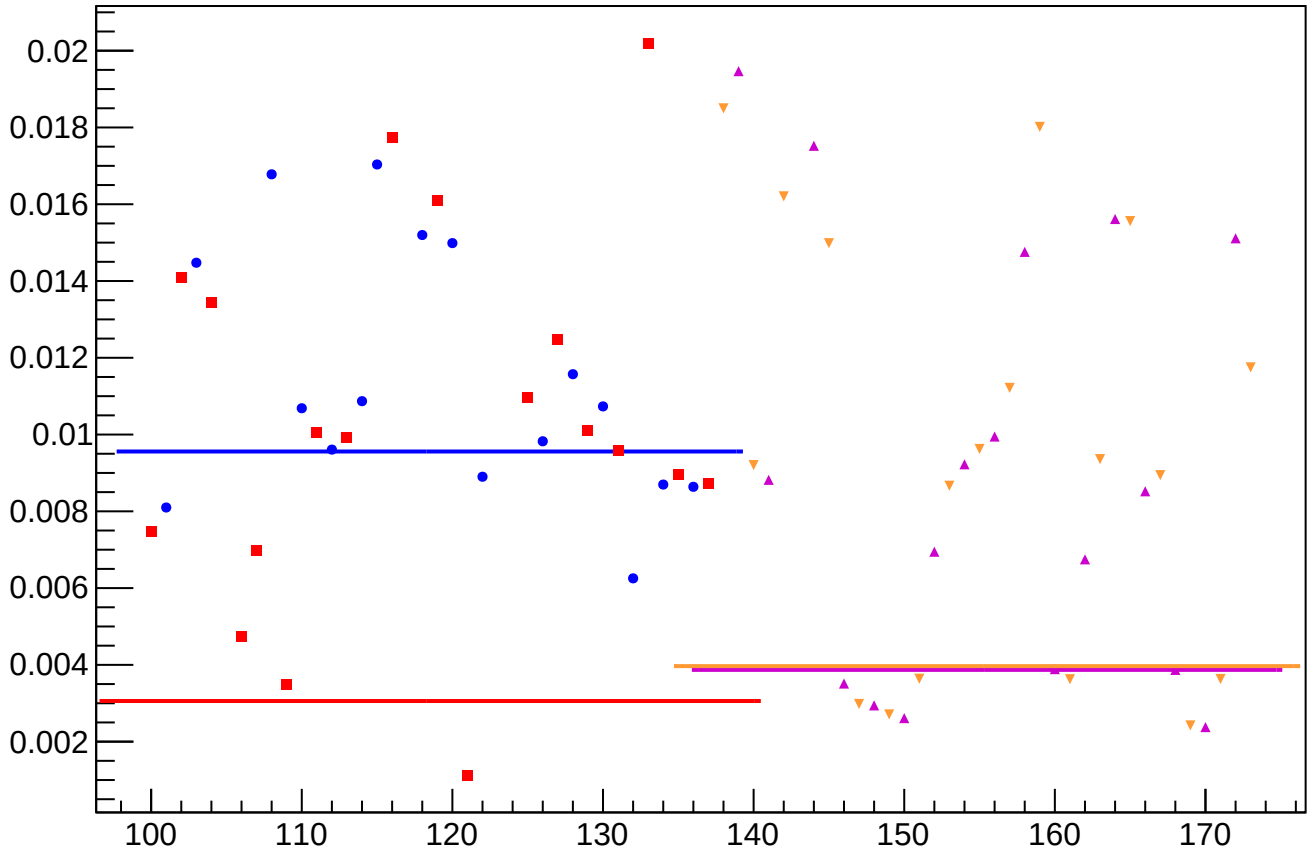
Left: 0.000+/-0.000 χ^2/NDF: 40.3/34

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: -0.000+/-0.000 χ^2/NDF:35.5/32

Out: 0.000+/-0.000 χ^2/NDF:42.4/35

All: 0.000+/-0.000 χ^2/NDF: 82.5/68



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:9068503.0/17

Right Out: 0.003+/-0.000 χ^2/NDF: 8122378.4/17

Left In: 0.004+/-0.000 χ^2/NDF:8515790.7/16

Left: 0.004+/-0.000 χ^2/NDF: 17589621.5/34

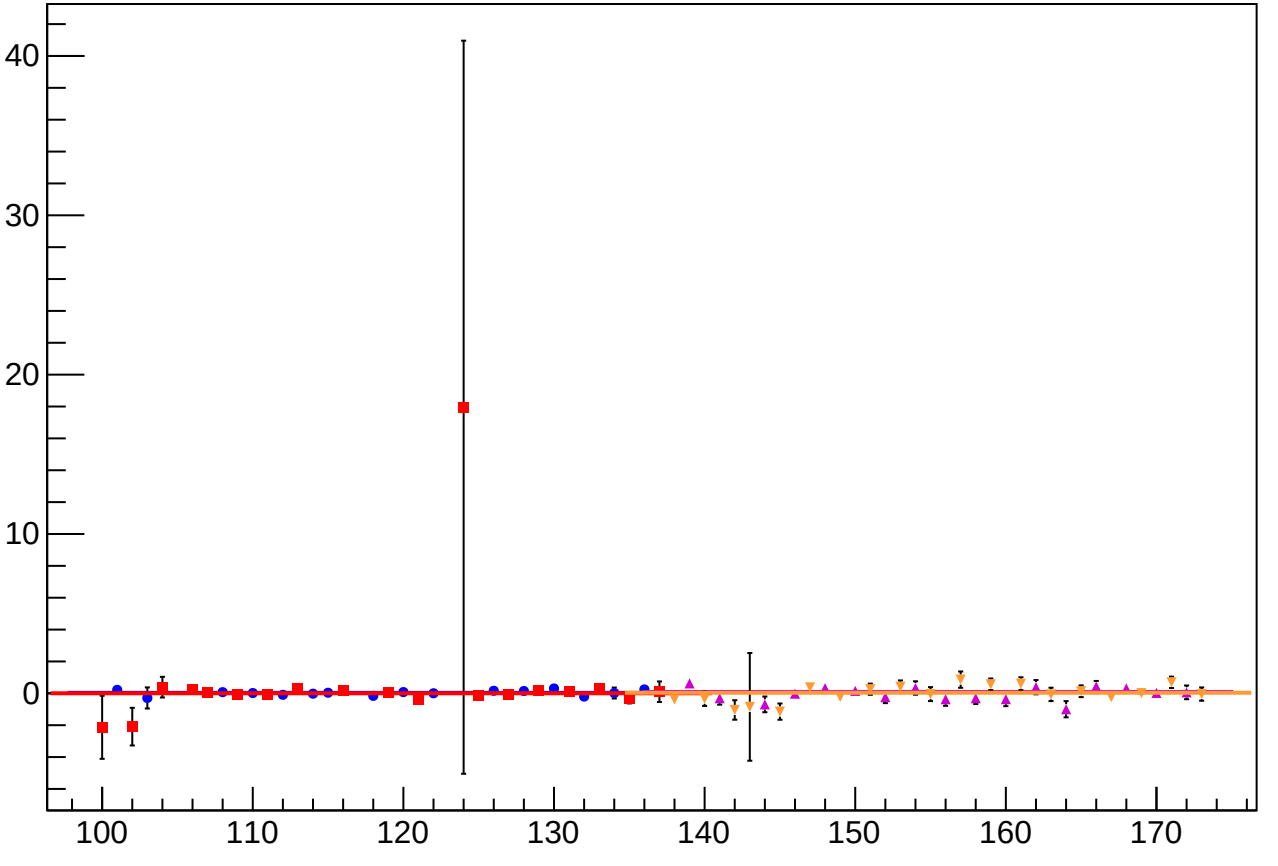
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.005+/-0.000 χ^2/NDF:13566869.5/32

Out: 0.004+/-0.000 χ^2/NDF:17510679.8/35

All: 0.004+/-0.000 χ^2/NDF: 31623356.1/68

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.037+/-0.079 χ^2/NDF:26.3/18

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.085+/-0.079 χ^2/NDF:21.1/16

Left: 0.061+/-0.056 χ^2/NDF: 47.6/35

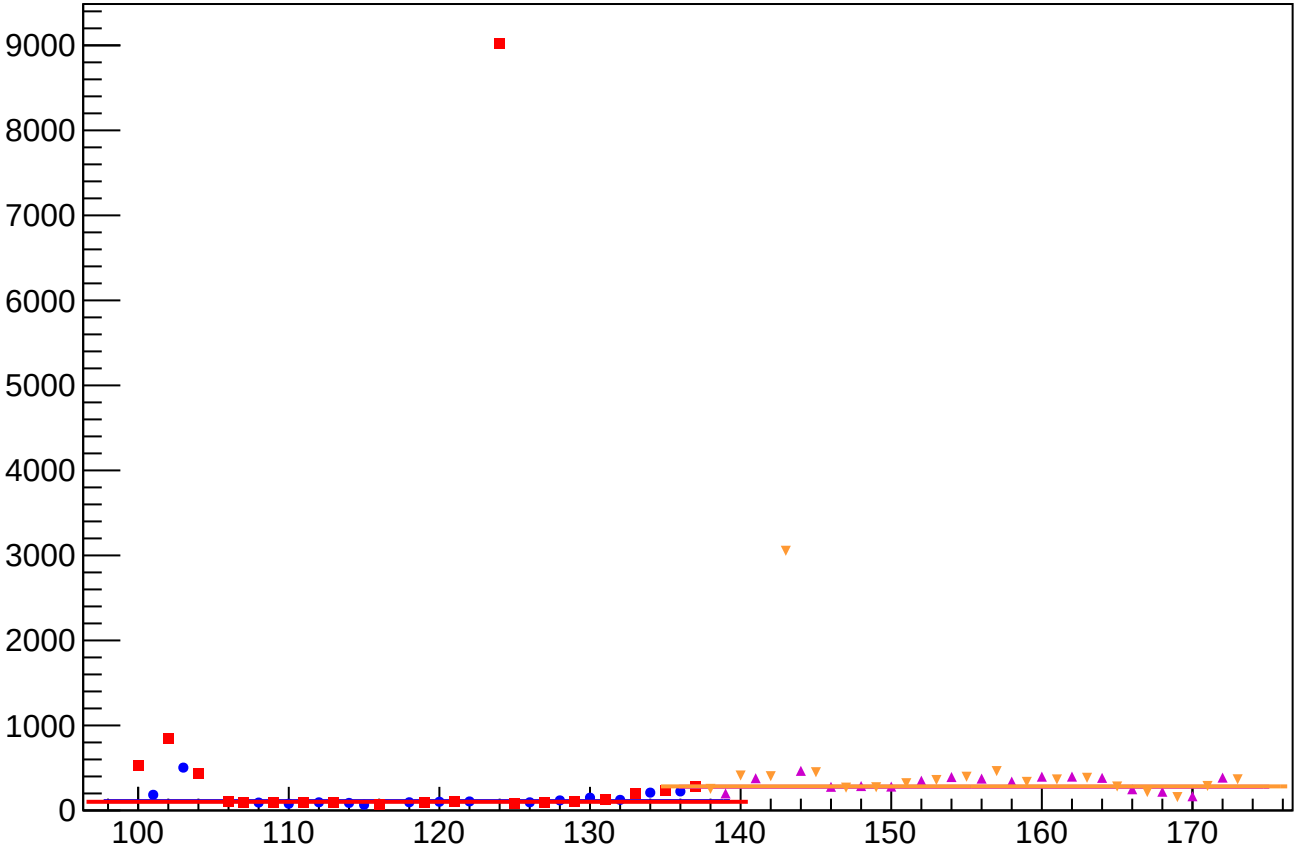
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.042+/-0.039 χ^2/NDF:30.3/32

Out: 0.011+/-0.038 χ^2/NDF:48.8/37

All: 0.026+/-0.027 χ^2/NDF: 79.5/70

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: 283.216+/-0.056 χ^2/NDF:3793341.0/18

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 278.873+/-0.056 χ^2/NDF:2355360.3/16

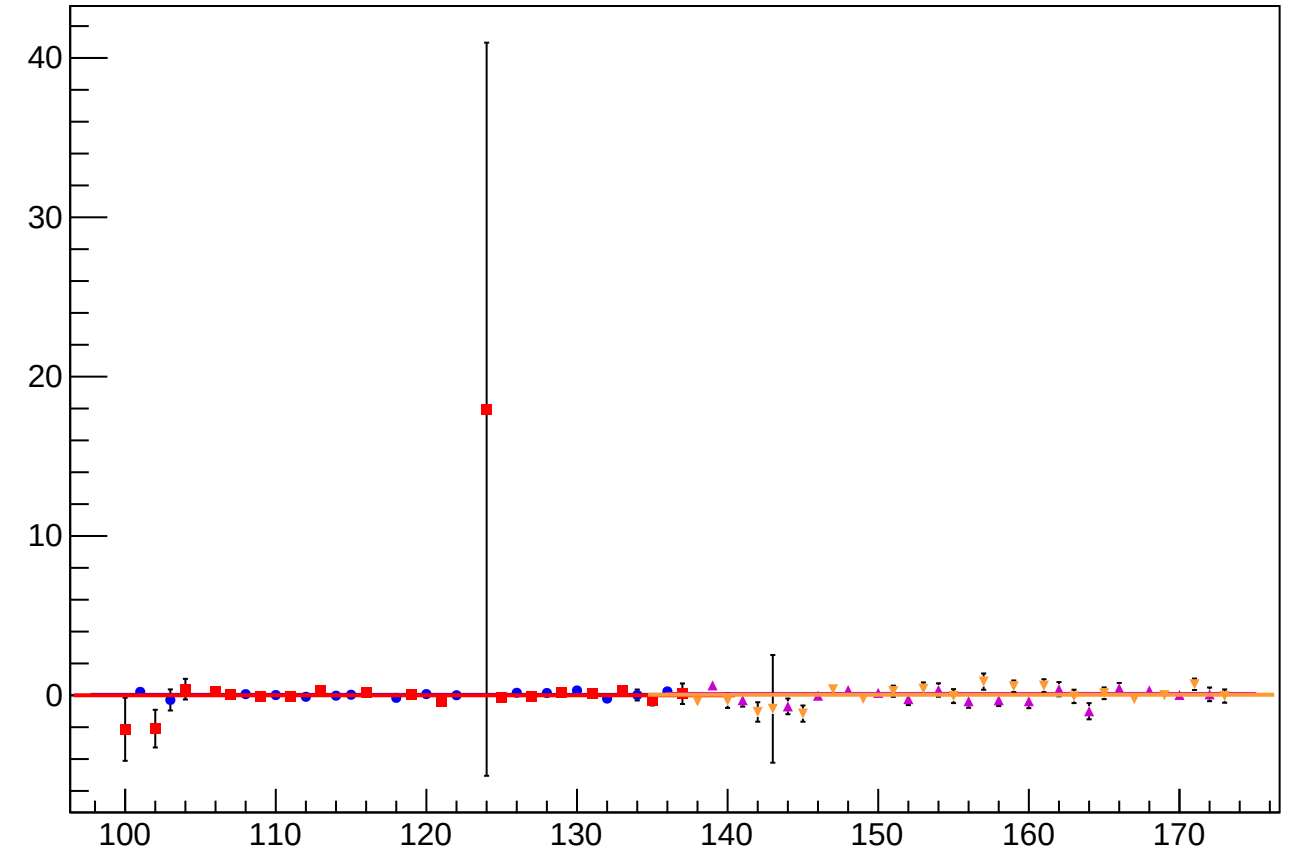
Left: 281.032+/-0.040 χ^2/NDF: 6151712.8/35

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 151.861+/-0.028 χ^2/NDF:11177640.5/32

Out: 143.562+/-0.027 χ^2/NDF:14425580.1/37

All: 147.580+/-0.019 χ^2/NDF: 25649269.5/70



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.037+/-0.079 χ^2/NDF:26.3/18

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.085+/-0.079 χ^2/NDF:21.1/16

Left: 0.061+/-0.056 χ^2/NDF: 47.6/35

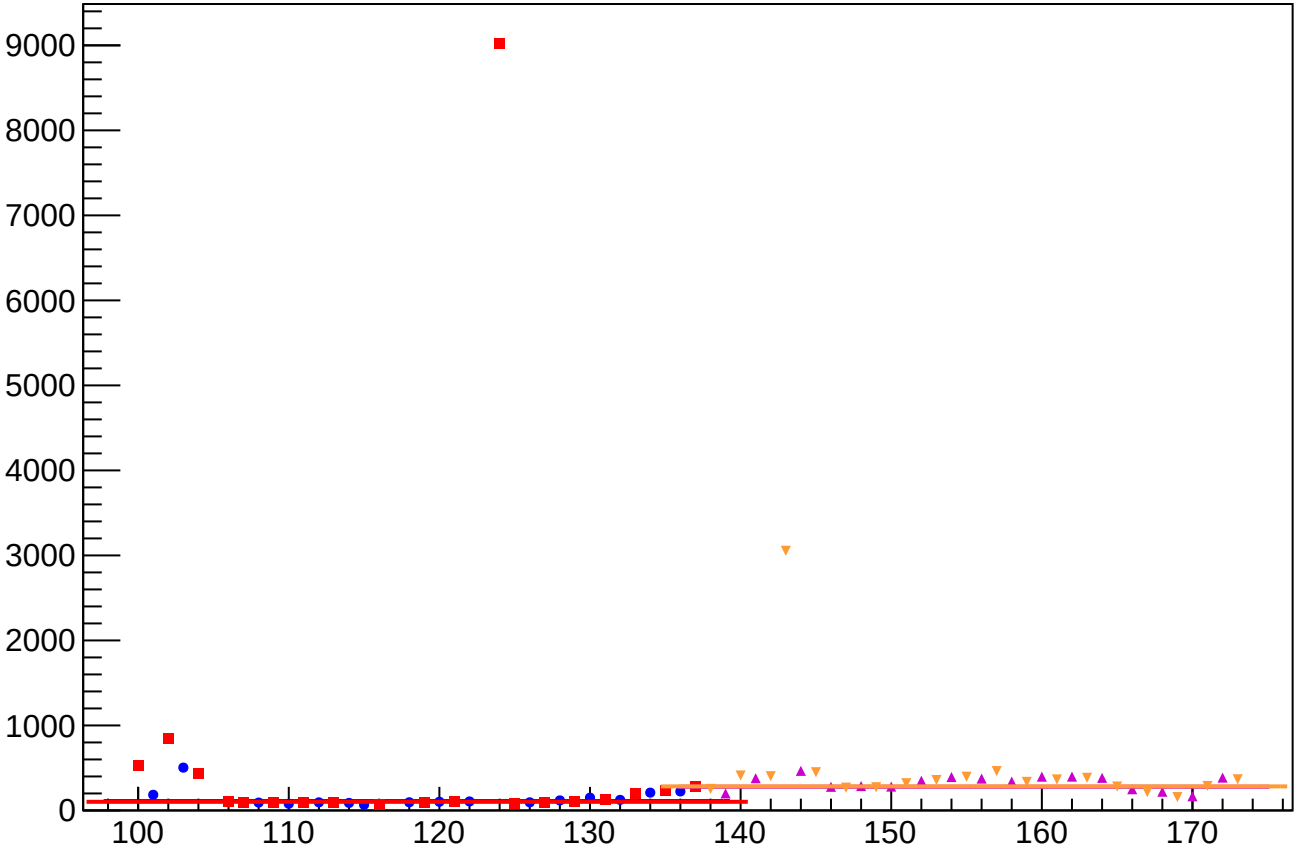
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.042+/-0.039 χ^2/NDF:30.3/32

Out: 0.011+/-0.038 χ^2/NDF:48.8/37

All: 0.026+/-0.027 χ^2/NDF: 79.5/70

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: 283.216+/-0.056 χ^2/NDF:3793341.0/18

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 278.873+/-0.056 χ^2/NDF:2355360.3/16

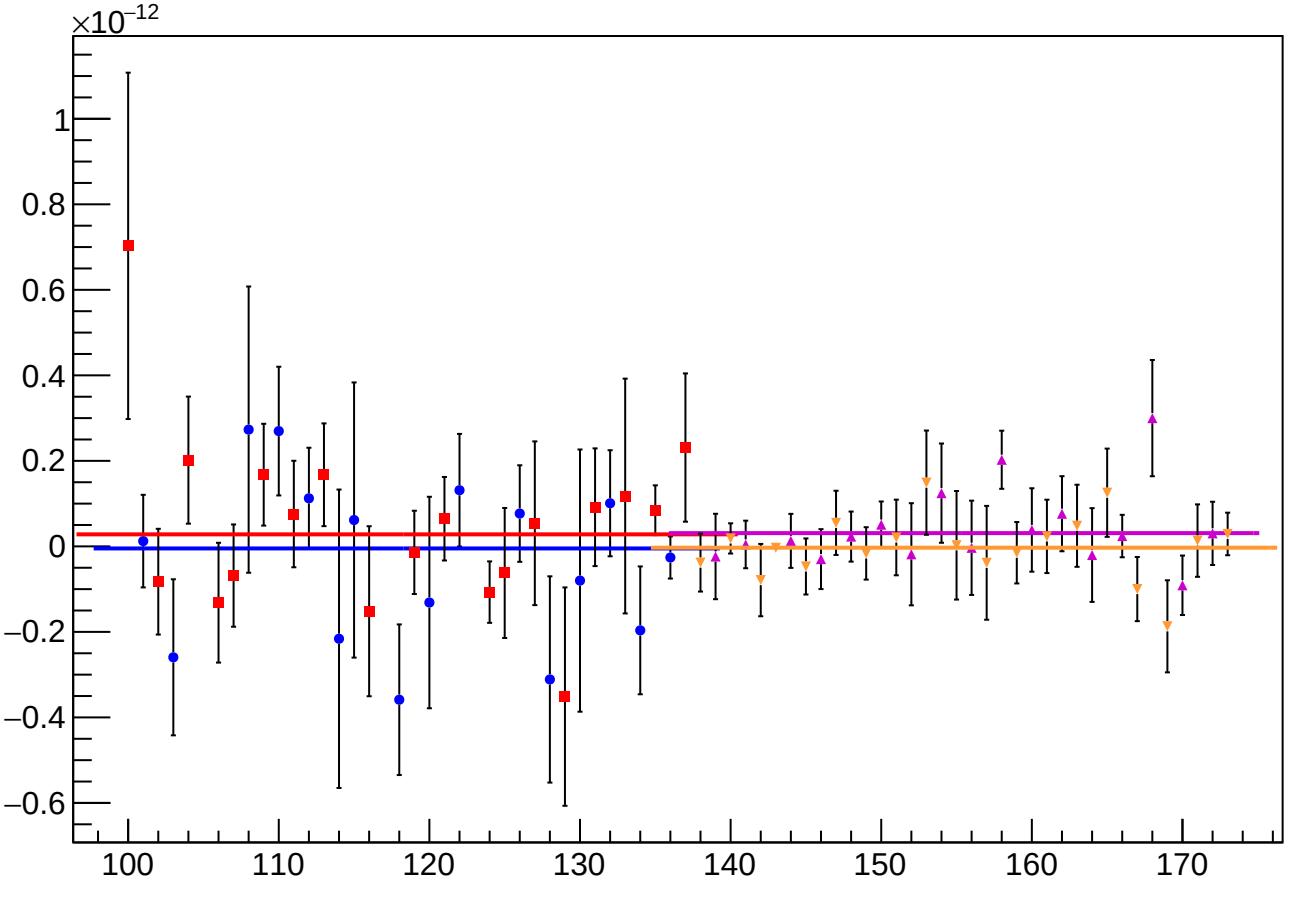
Left: 281.032+/-0.040 χ^2/NDF: 6151712.8/35

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 151.861+/-0.028 χ^2/NDF:11177640.5/32

Out: 143.562+/-0.027 χ^2/NDF:14425580.1/37

All: 147.580+/-0.019 χ^2/NDF: 25649269.5/70



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/16

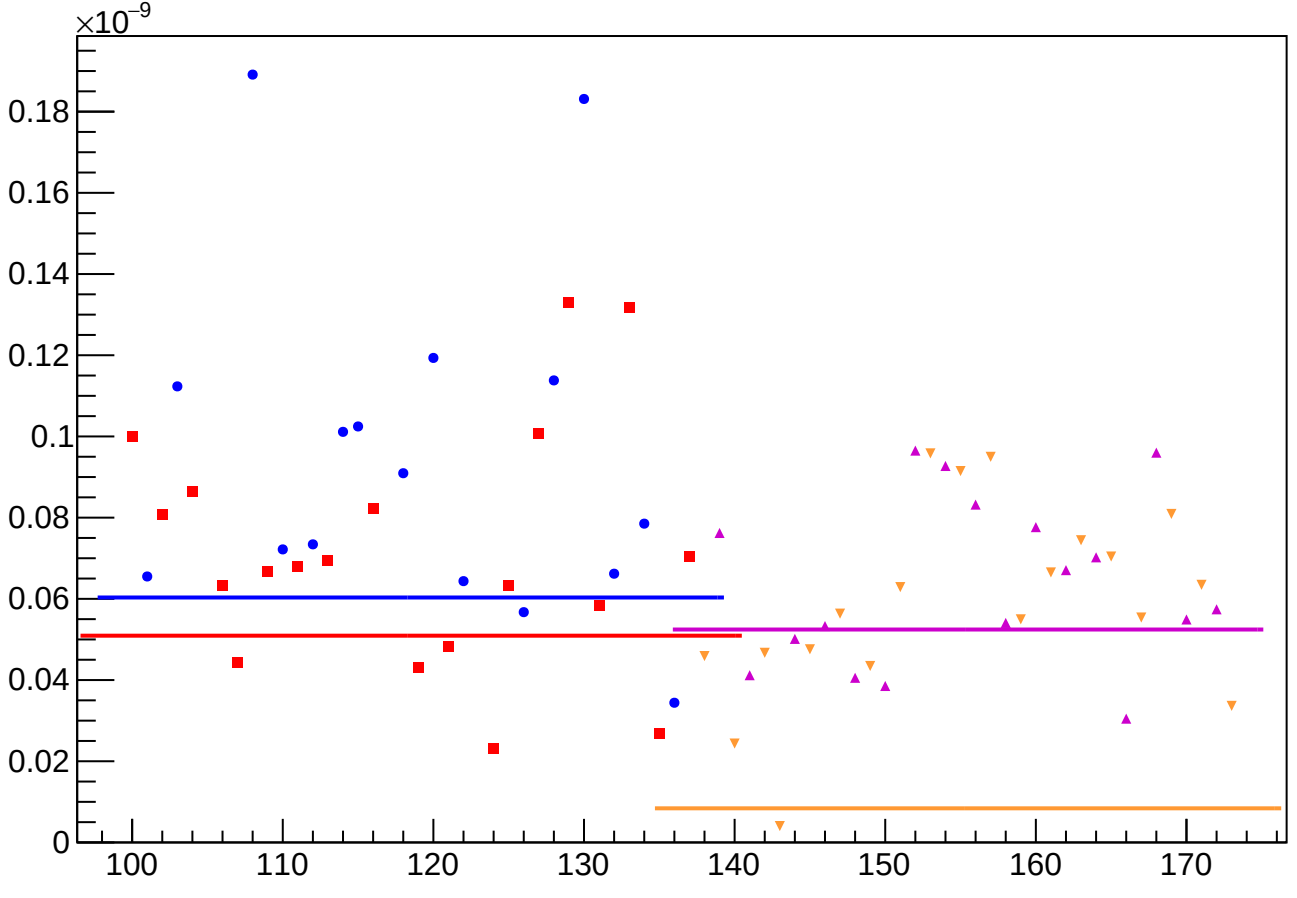
Left: -0.000+/-0.000 χ^2/NDF: 30.9/35

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:34.8/32

Out: -0.000+/-0.000 χ^2/NDF:32.1/37

All: 0.000+/-0.000 χ^2/NDF: 69.1/70



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14789470.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1932652.6/16

Left: 0.000+/-0.000 χ^2/NDF: 27842962.1/35

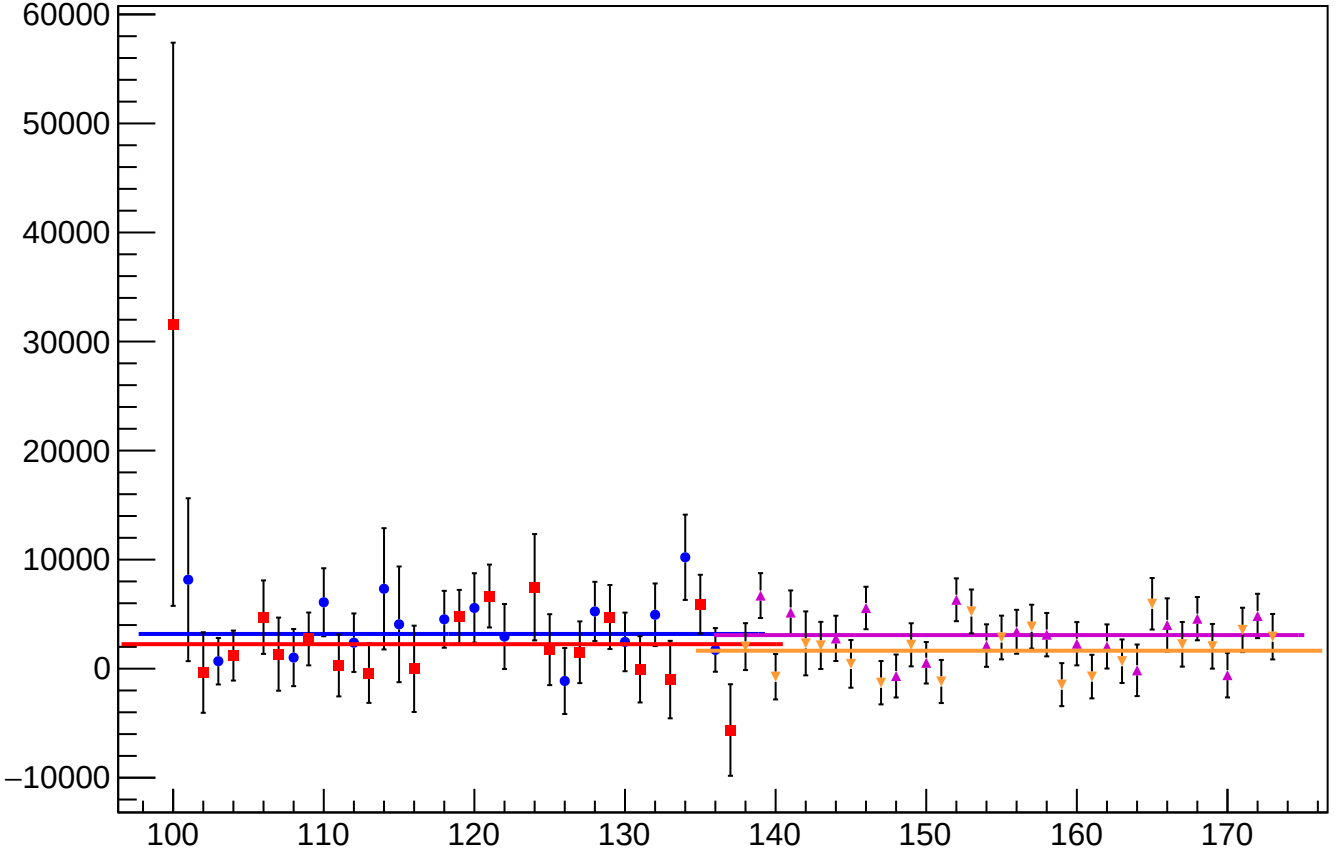
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:3772475.0/32

Out: 0.000+/-0.000 χ^2/NDF:21163088.1/37

All: 0.000+/-0.000 χ^2/NDF: 39491031.2/70

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1646.518+/-477.725 χ^2/NDF:19.7/18

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 3080.004+/-493.166 χ^2/NDF:21.2/16

Left: 2340.468+/-343.132 χ^2/NDF: 45.2/35

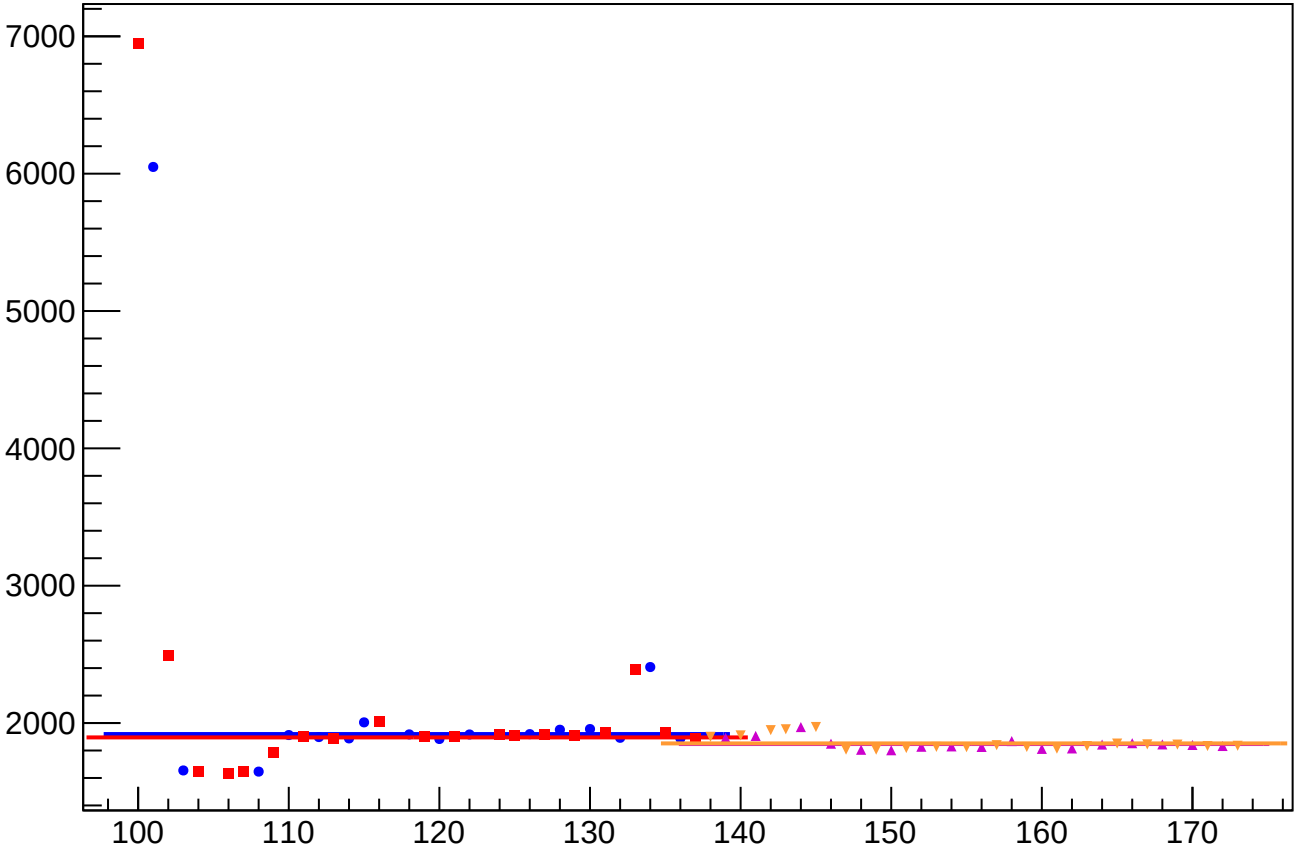
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3112.432+/-408.851 χ^2/NDF:32.9/32

Out: 1833.029+/-396.515 χ^2/NDF:36.7/37

All: 2453.138+/-284.639 χ^2/NDF: 74.6/70

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1851.688+/-0.338 χ^2/NDF:20331.0/18

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1847.108+/-0.349 χ^2/NDF:13856.9/16

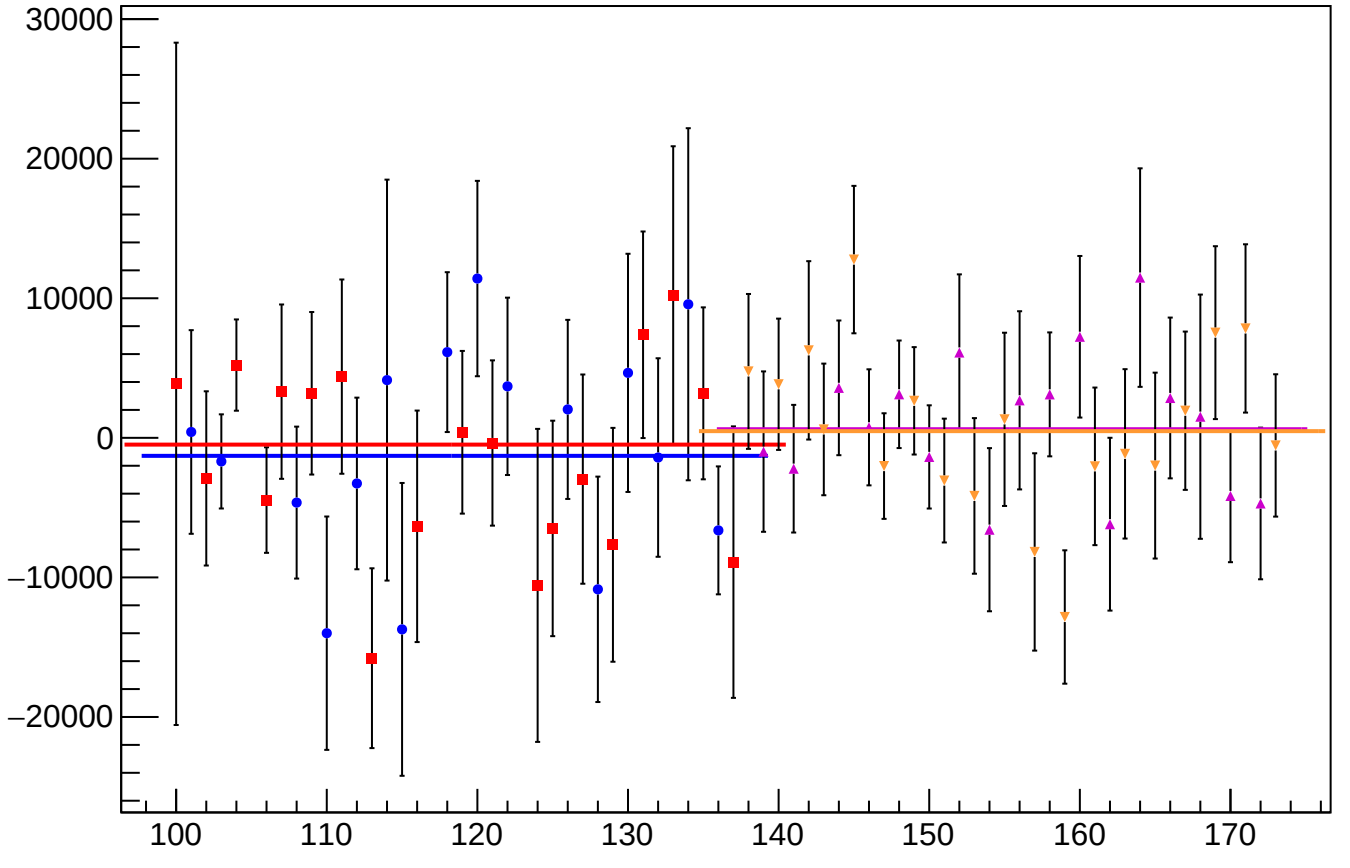
Left: 1849.471+/-0.243 χ^2/NDF: 34277.0/35

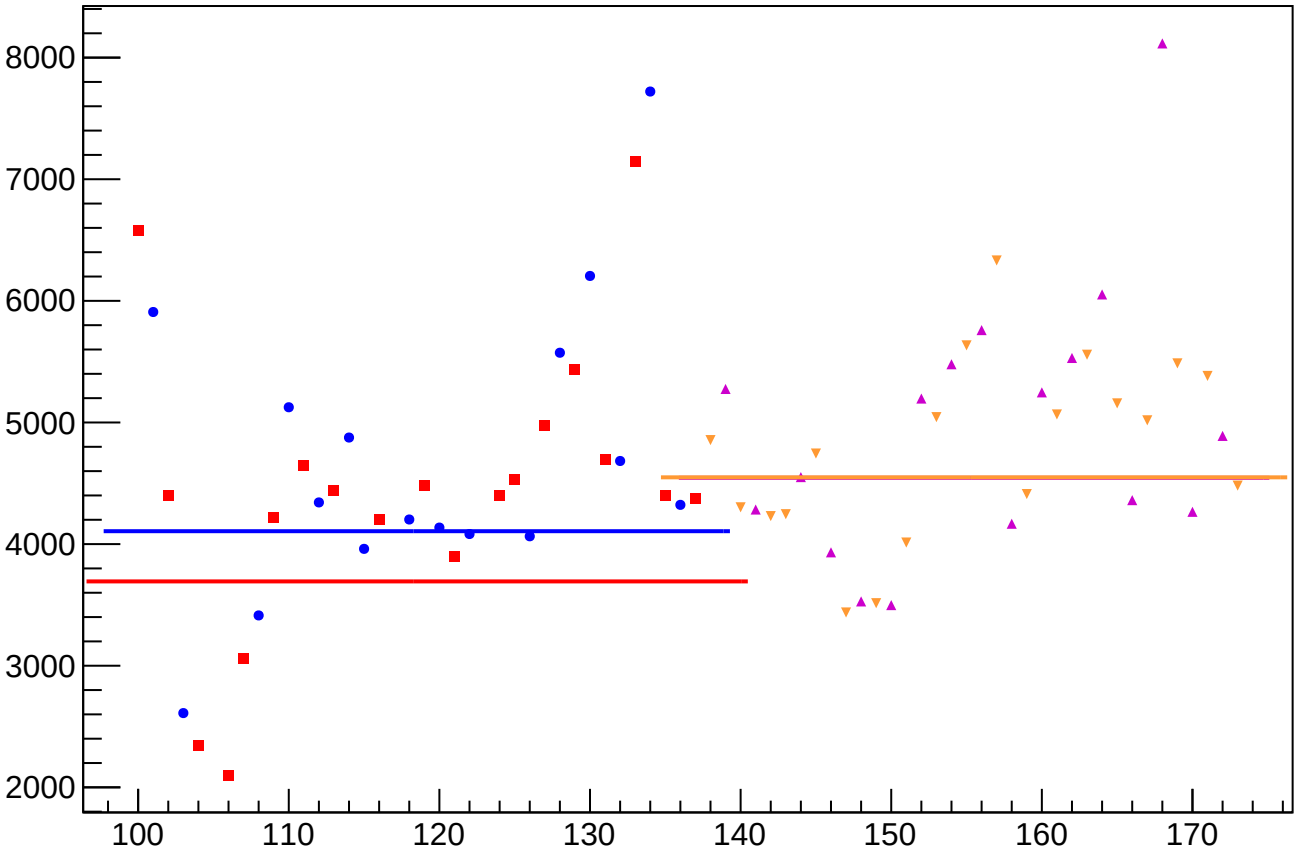
Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1869.848+/-0.289 χ^2/NDF:724786.5/32

Out: 1865.340+/-0.280 χ^2/NDF:247829.7/37

All: 1867.522+/-0.201 χ^2/NDF: 972741.6/70


asym_atr_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -1290.495+/-1585.432 χ²/NDF: 14.3/15
Left Out: 479.505+/-1197.455 χ²/NDF:22.0/18
Right Out: -485.214+/-1437.465 χ²/NDF: 17.2/18
Left In: 618.850+/-1240.725 χ²/NDF:11.0/16
Left: 546.705+/-861.620 χ²/NDF: 33.1/35
Right: -848.531+/-1064.920 χ²/NDF: 31.6/34
In: -106.353+/-977.092 χ²/NDF:26.2/32
Out: 84.296+/-920.047 χ²/NDF:39.5/37
All: -5.301+/-669.830 χ²/NDF: 65.7/70



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4548.939+/-0.847 χ^2/NDF:766536.3/18

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4544.962+/-0.877 χ^2/NDF:1051278.1/16

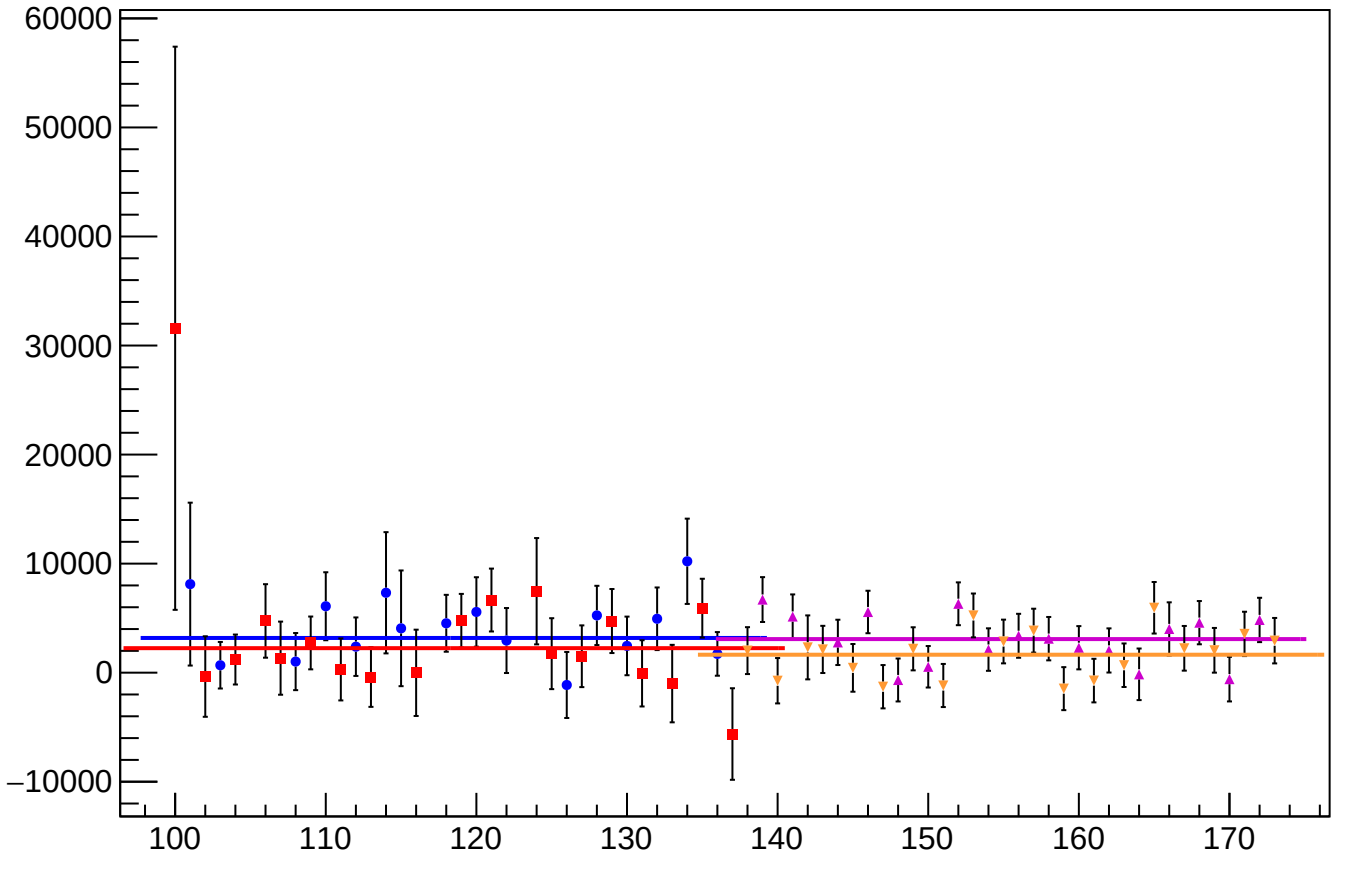
Left: 4547.021+/-0.609 χ^2/NDF: 1817825.0/35

Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4378.290+/-0.691 χ^2/NDF:2102431.4/32

Out: 4198.403+/-0.651 χ^2/NDF:2541541.3/37

All: 4282.942+/-0.474 χ^2/NDF: 4679903.8/70



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1646.412+/-477.725 χ^2/NDF:19.7/18

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3079.994+/-493.166 χ^2/NDF:21.2/16

Left: 2340.409+/-343.132 χ^2/NDF: 45.2/35

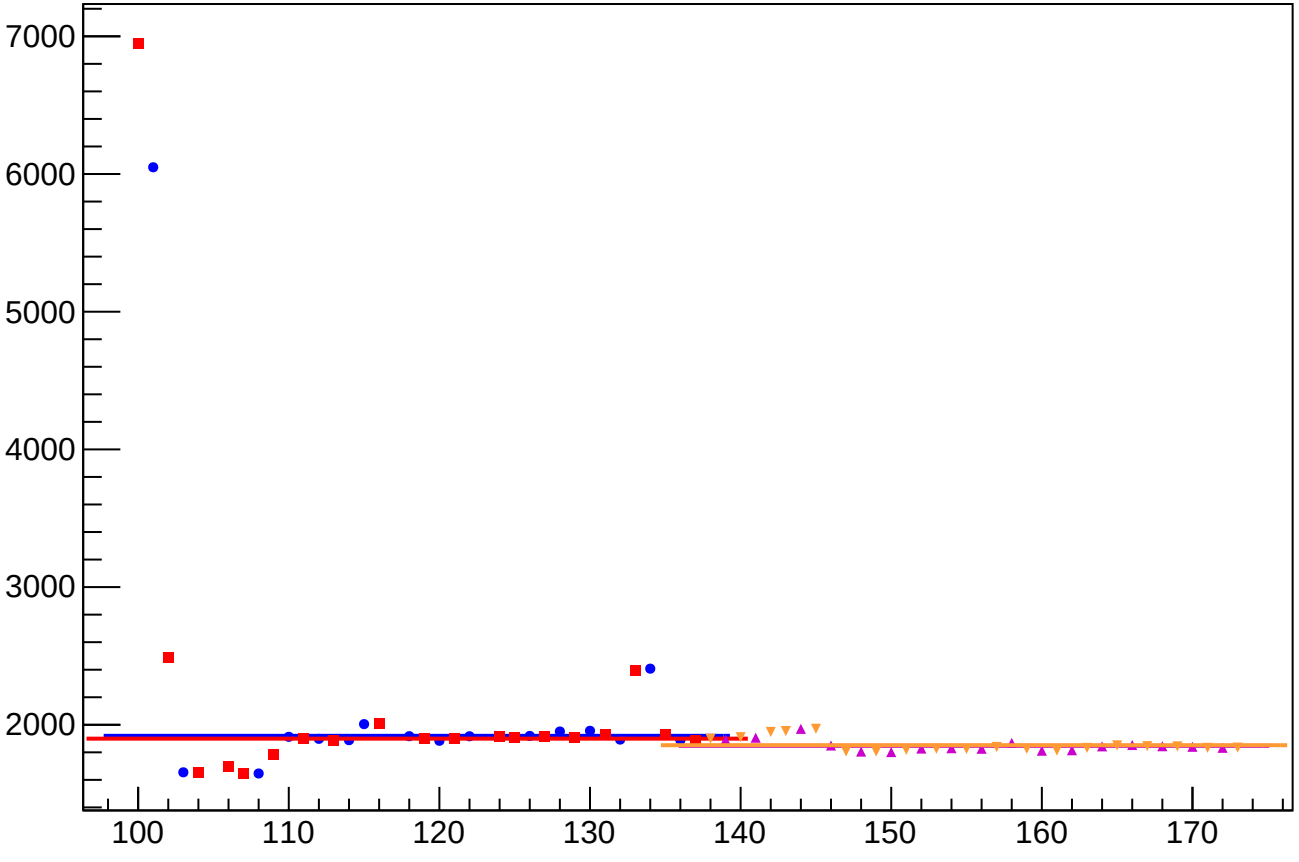
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3112.196+/-408.851 χ^2/NDF:32.9/32

Out: 1833.308+/-396.515 χ^2/NDF:36.7/37

All: 2453.169+/-284.640 χ^2/NDF: 74.6/70

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1851.688+/-0.338 χ^2/NDF:20331.0/18

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1847.108+/-0.349 χ^2/NDF:13856.9/16

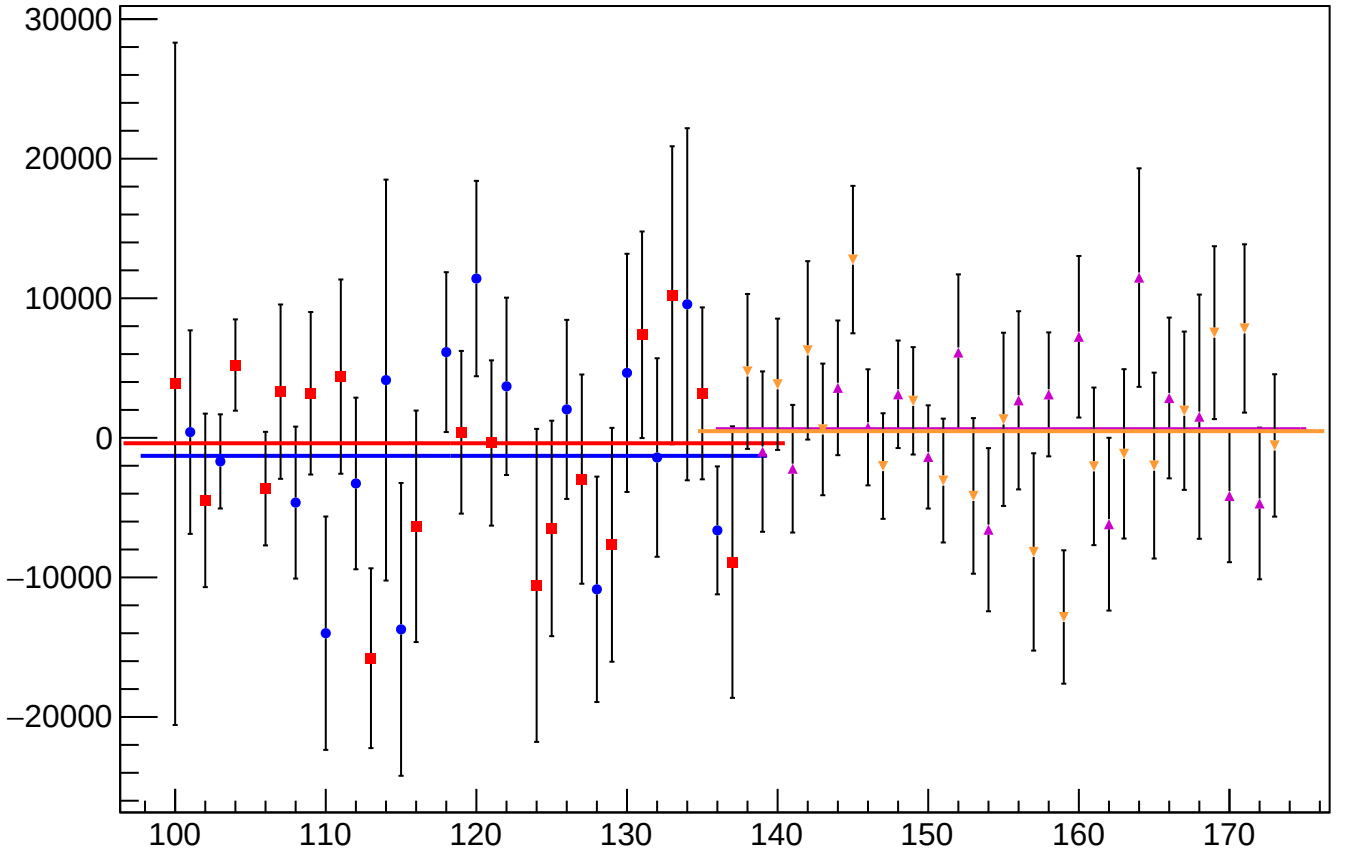
Left: 1849.471+/-0.243 χ^2/NDF: 34277.0/35

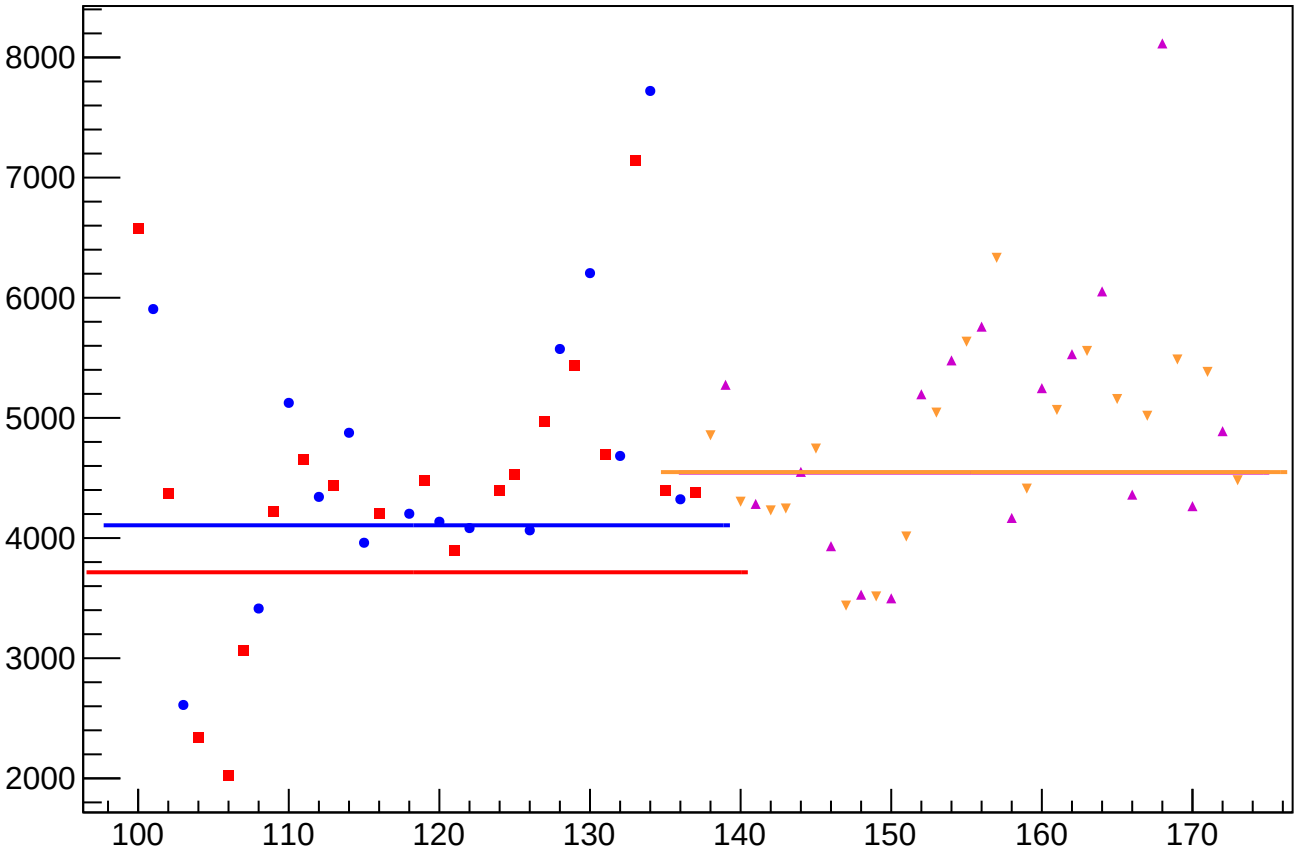
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

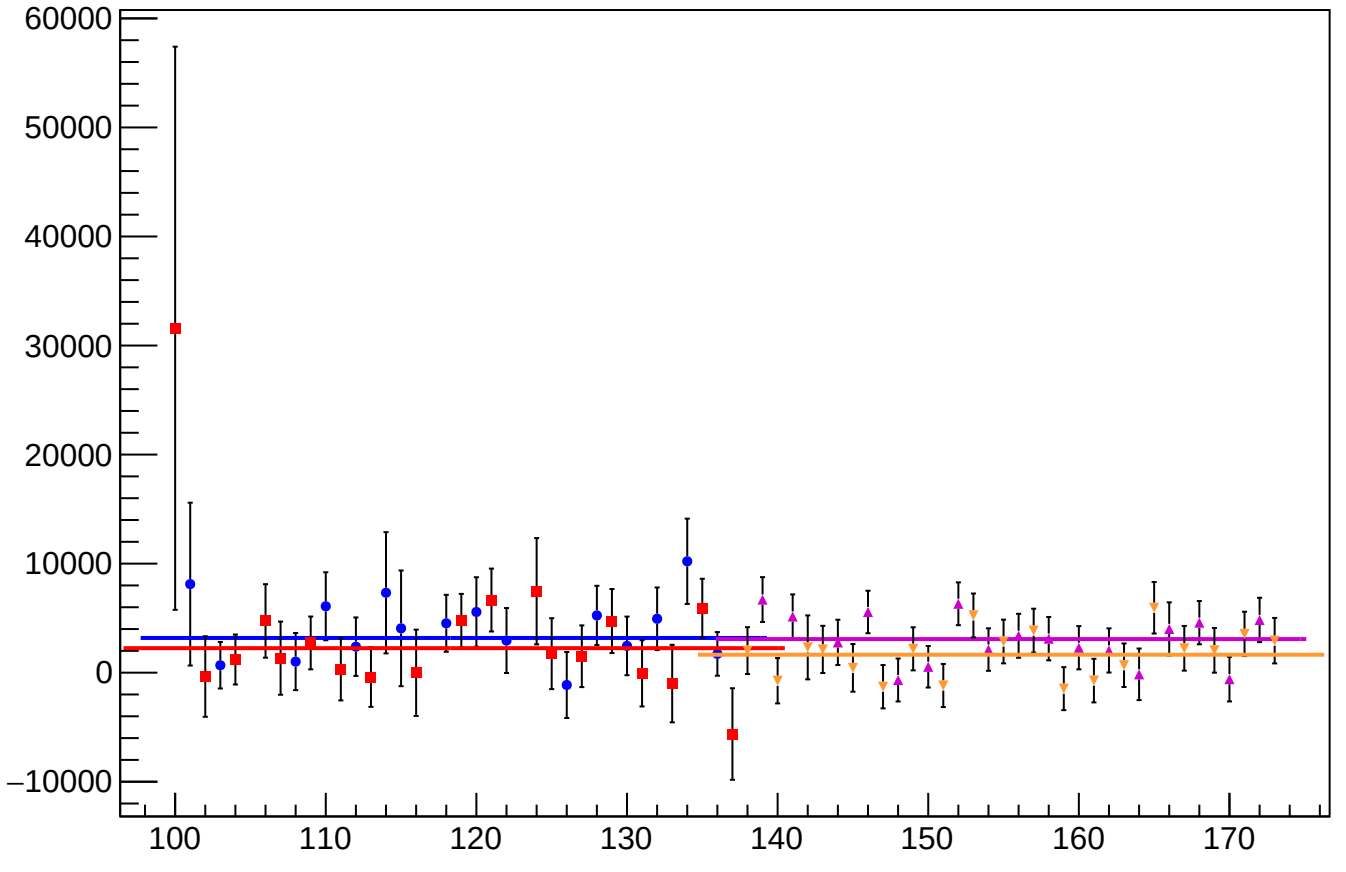
In: 1869.848+/-0.289 χ^2/NDF:724785.8/32

Out: 1866.552+/-0.280 χ^2/NDF:242195.2/37

All: 1868.149+/-0.201 χ^2/NDF: 967048.0/70


asym_atr_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -1290.862+/-1585.435 χ²/NDF: 14.3/15
Left Out: 479.467+/-1197.453 χ²/NDF:22.0/18
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: 618.875+/-1240.725 χ²/NDF:11.0/16
Left: 546.698+/-861.619 χ²/NDF: 33.1/35
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: -106.476+/-977.092 χ²/NDF:26.2/32
Out: 128.330+/-923.702 χ²/NDF:39.2/37
All: 17.517+/-671.237 χ²/NDF: 65.4/70


asym_atr_avg_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 4106.234+/-1.121 χ²/NDF: 955631.2/15
Left Out: 4548.928+/-0.847 χ²/NDF:766552.5/18
Right Out: 3715.202+/-1.026 χ²/NDF: 1335100.7/18
Left In: 4544.964+/-0.877 χ²/NDF:1051272.6/16
Left: 4547.016+/-0.609 χ²/NDF: 1817835.7/35
Right: 3893.510+/-0.757 χ²/NDF: 2356917.1/34
In: 4378.327+/-0.691 χ²/NDF:2101887.1/32
Out: 4211.303+/-0.653 χ²/NDF:2494271.5/37
All: 4290.127+/-0.475 χ²/NDF: 4627019.3/70



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1646.412+/-477.725 χ^2/NDF:19.7/18

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3079.994+/-493.166 χ^2/NDF:21.2/16

Left: 2340.409+/-343.132 χ^2/NDF: 45.2/35

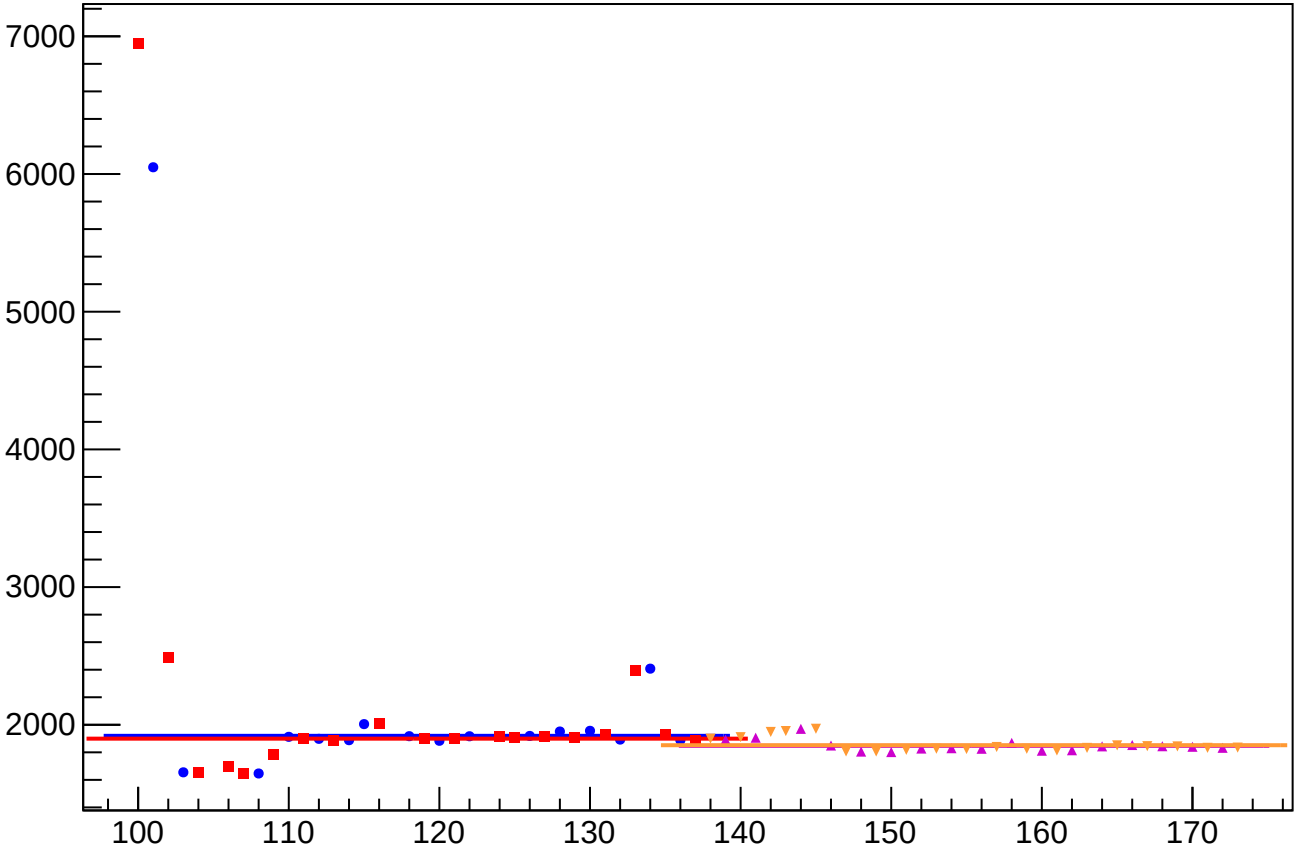
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3112.196+/-408.851 χ^2/NDF:32.9/32

Out: 1833.308+/-396.515 χ^2/NDF:36.7/37

All: 2453.169+/-284.640 χ^2/NDF: 74.6/70

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1851.688+/-0.338 χ^2/NDF:20331.0/18

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1847.108+/-0.349 χ^2/NDF:13856.9/16

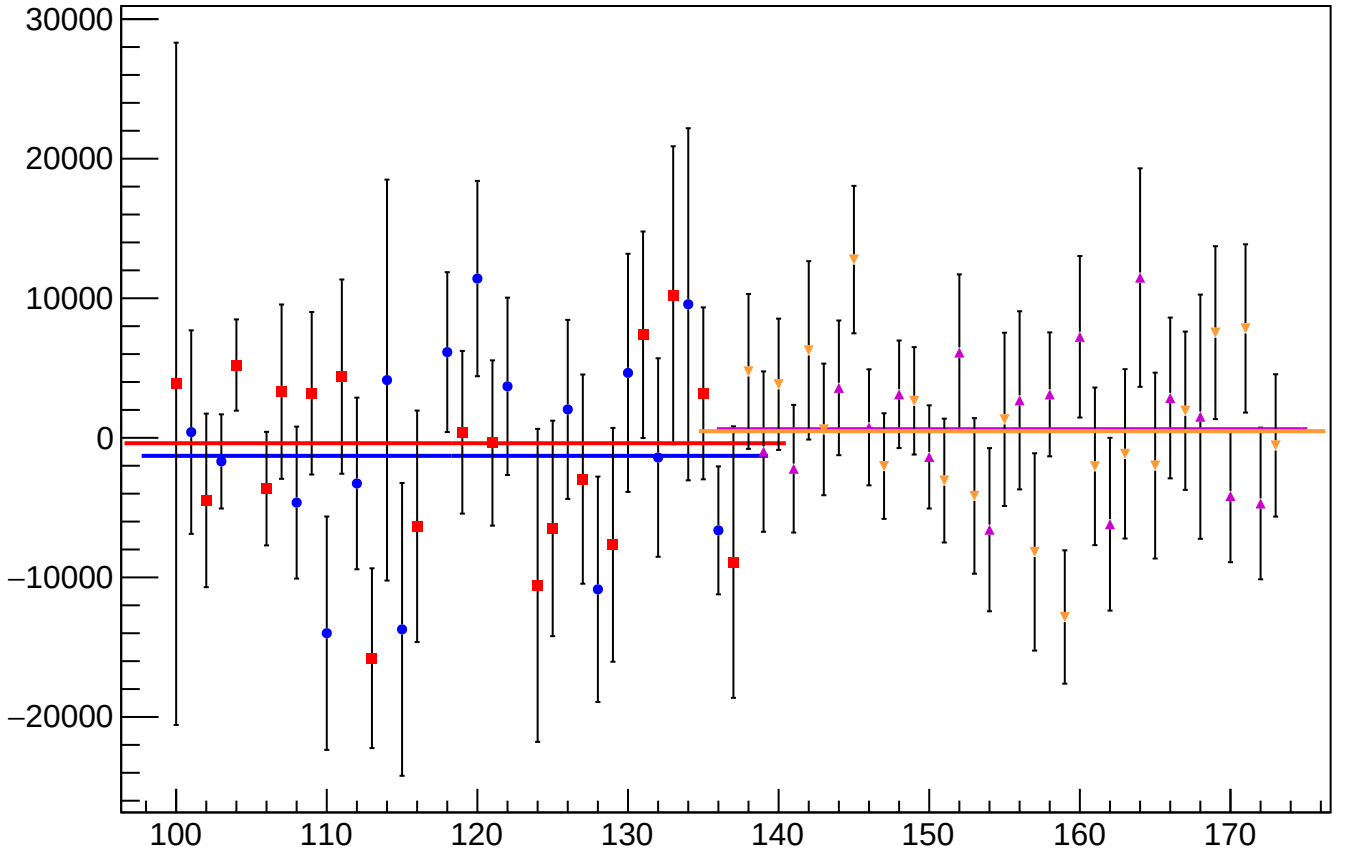
Left: 1849.471+/-0.243 χ^2/NDF: 34277.0/35

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1869.848+/-0.289 χ^2/NDF:724785.8/32

Out: 1866.552+/-0.280 χ^2/NDF:242195.2/37

All: 1868.149+/-0.201 χ^2/NDF: 967048.0/70



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 479.467+/-1197.453 χ^2/NDF:22.0/18

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 618.875+/-1240.725 χ^2/NDF:11.0/16

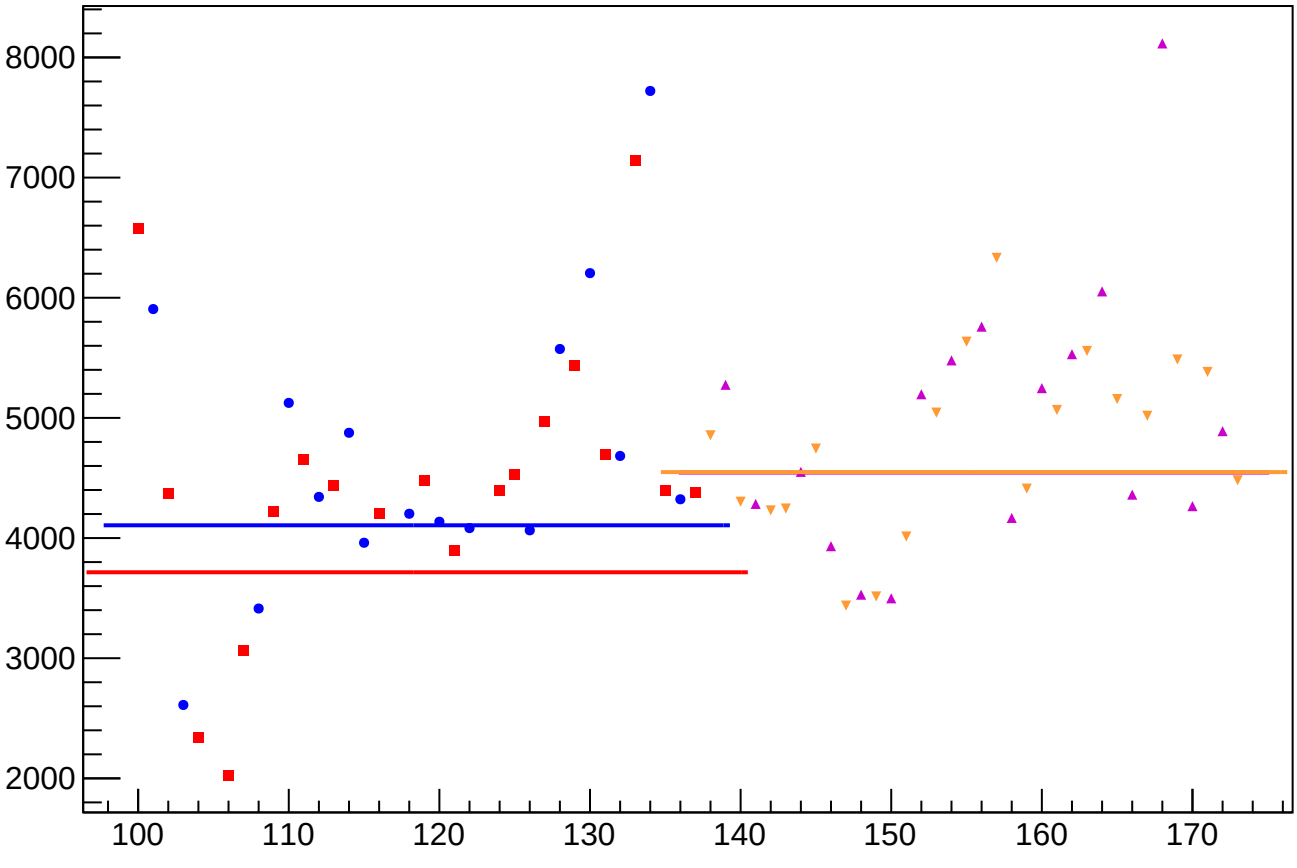
Left: 546.698+/-861.619 χ^2/NDF: 33.1/35

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

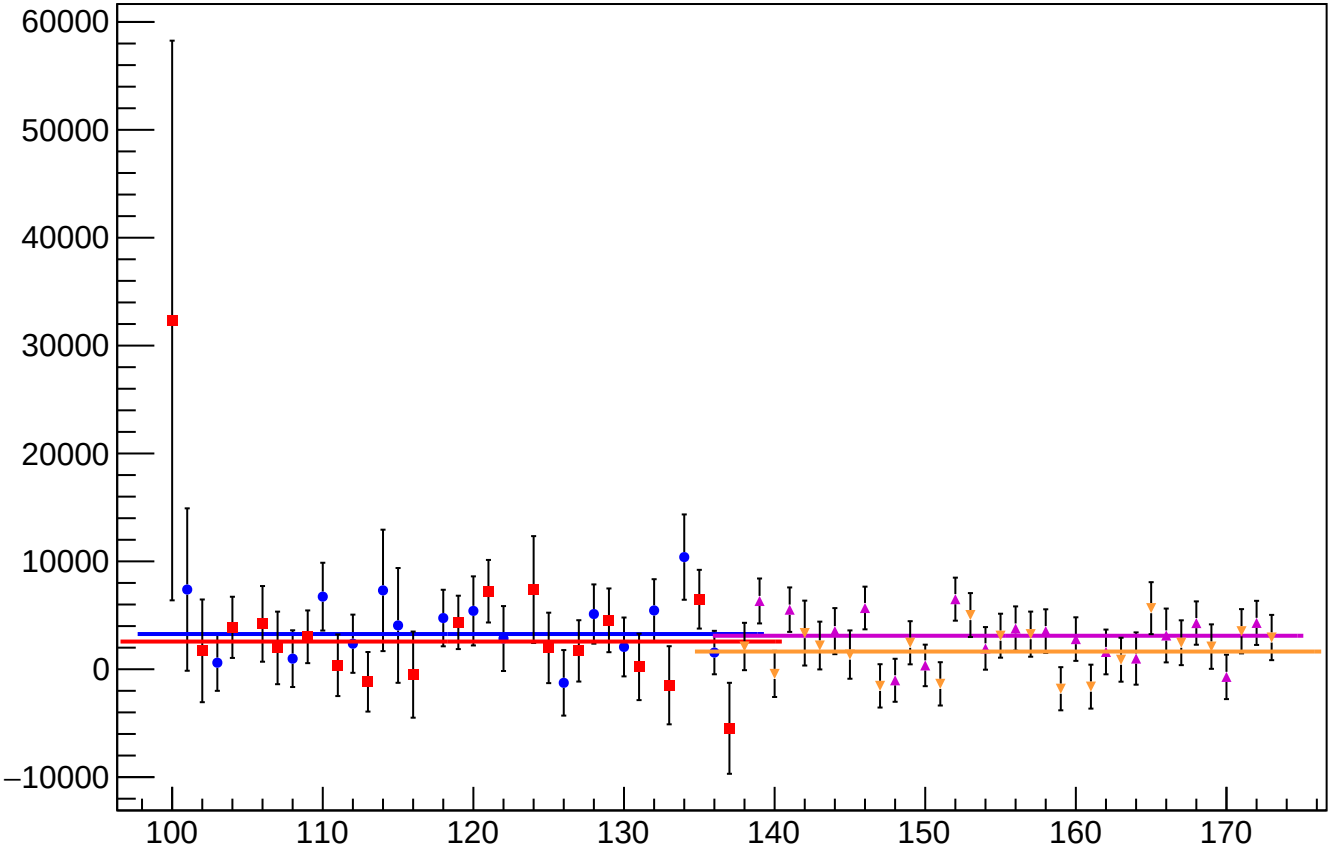
In: -106.476+/-977.092 χ^2/NDF:26.2/32

Out: 128.330+/-923.702 χ^2/NDF:39.2/37

All: 17.517+/-671.237 χ^2/NDF: 65.4/70


asym_atr_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 4106.234+/-1.121 χ²/NDF: 955631.2/15
Left Out: 4548.928+/-0.847 χ²/NDF:766552.5/18
Right Out: 3715.202+/-1.026 χ²/NDF: 1335100.7/18
Left In: 4544.964+/-0.877 χ²/NDF:1051272.6/16
Left: 4547.016+/-0.609 χ²/NDF: 1817835.7/35
Right: 3893.510+/-0.757 χ²/NDF: 2356917.1/34
In: 4378.327+/-0.691 χ²/NDF:2101887.1/32
Out: 4211.303+/-0.653 χ²/NDF:2494271.5/37
All: 4290.127+/-0.475 χ²/NDF: 4627019.3/70

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1641.122+/-486.007 χ^2/NDF:20.0/18

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 3104.085+/-501.014 χ^2/NDF:20.6/16

Left: 2350.365+/-348.844 χ^2/NDF: 45.1/35

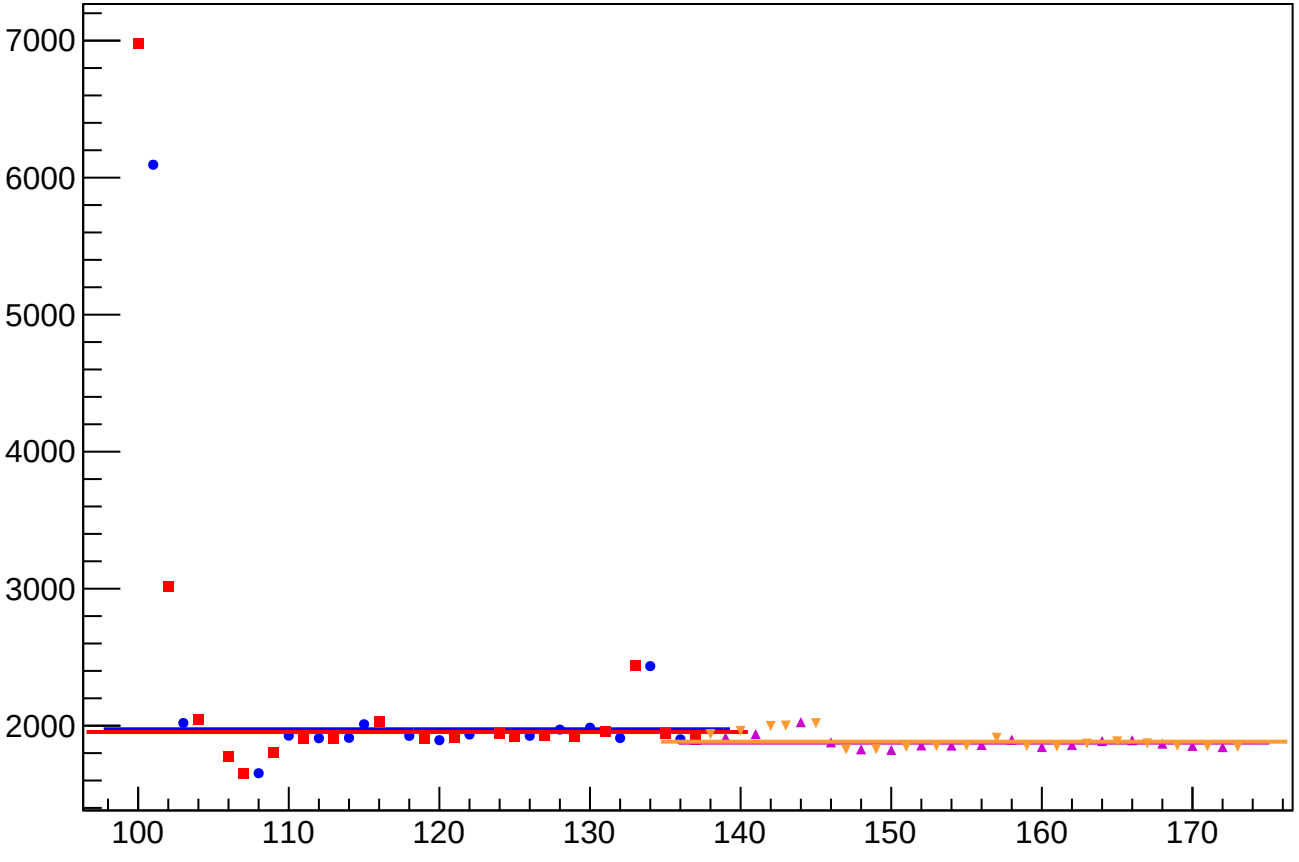
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3153.546+/-416.757 χ^2/NDF:32.8/32

Out: 1922.760+/-405.375 χ^2/NDF:38.2/37

All: 2521.117+/-290.584 χ^2/NDF: 75.5/70

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1883.476+/-0.344 χ^2/NDF:27730.3/18

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1876.326+/-0.354 χ^2/NDF:17450.5/16

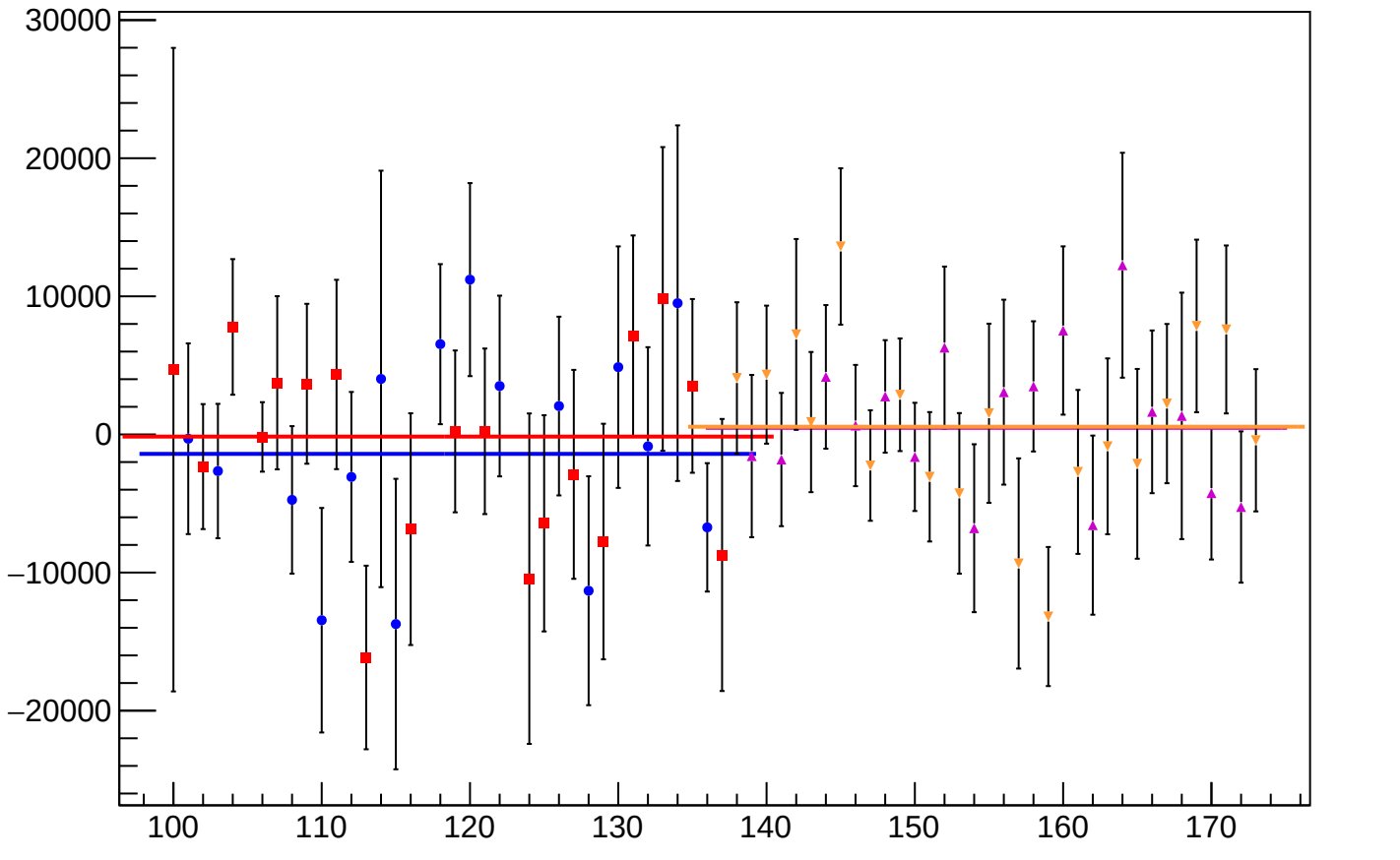
Left: 1880.010+/-0.247 χ^2/NDF: 45390.6/35

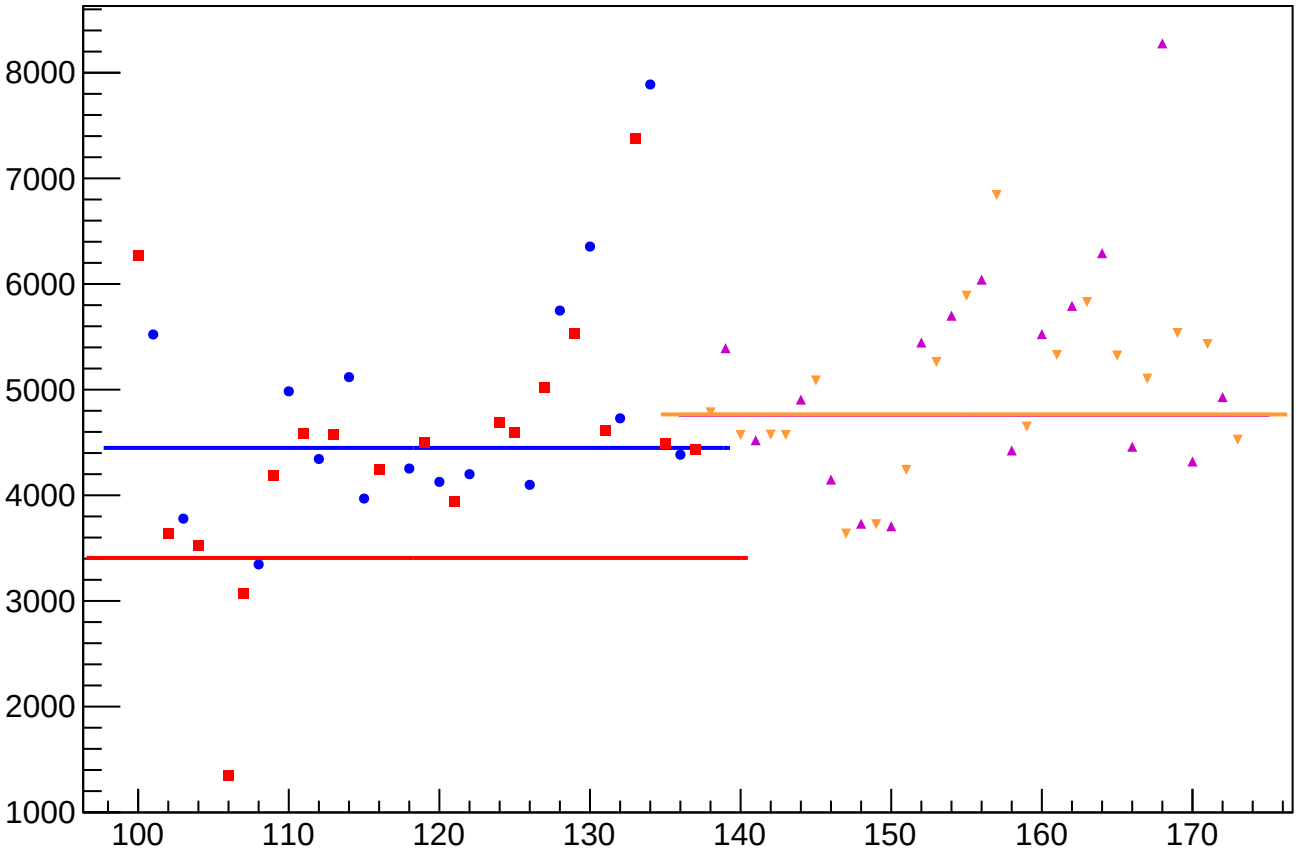
Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1906.339+/-0.295 χ^2/NDF:705870.9/32

Out: 1905.065+/-0.287 χ^2/NDF:286895.7/37

All: 1905.684+/-0.205 χ^2/NDF: 992776.2/70


asym_atr_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -1407.382+/-1689.989 χ²/NDF: 14.2/15
Left Out: 559.718+/-1252.808 χ²/NDF:21.8/18
Right Out: -155.271+/-1363.642 χ²/NDF: 15.8/18
Left In: 479.133+/-1298.184 χ²/NDF:11.1/16
Left: 520.858+/-901.484 χ²/NDF: 33.0/35
Right: -649.023+/-1061.247 χ²/NDF: 30.4/34
In: -220.948+/-1029.504 χ²/NDF:26.1/32
Out: 232.456+/-922.568 χ²/NDF:37.8/37
All: 30.518+/-687.060 χ²/NDF: 64.0/70



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4765.623+/-0.886 χ^2/NDF:705175.8/18

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4761.066+/-0.918 χ^2/NDF:986867.7/16

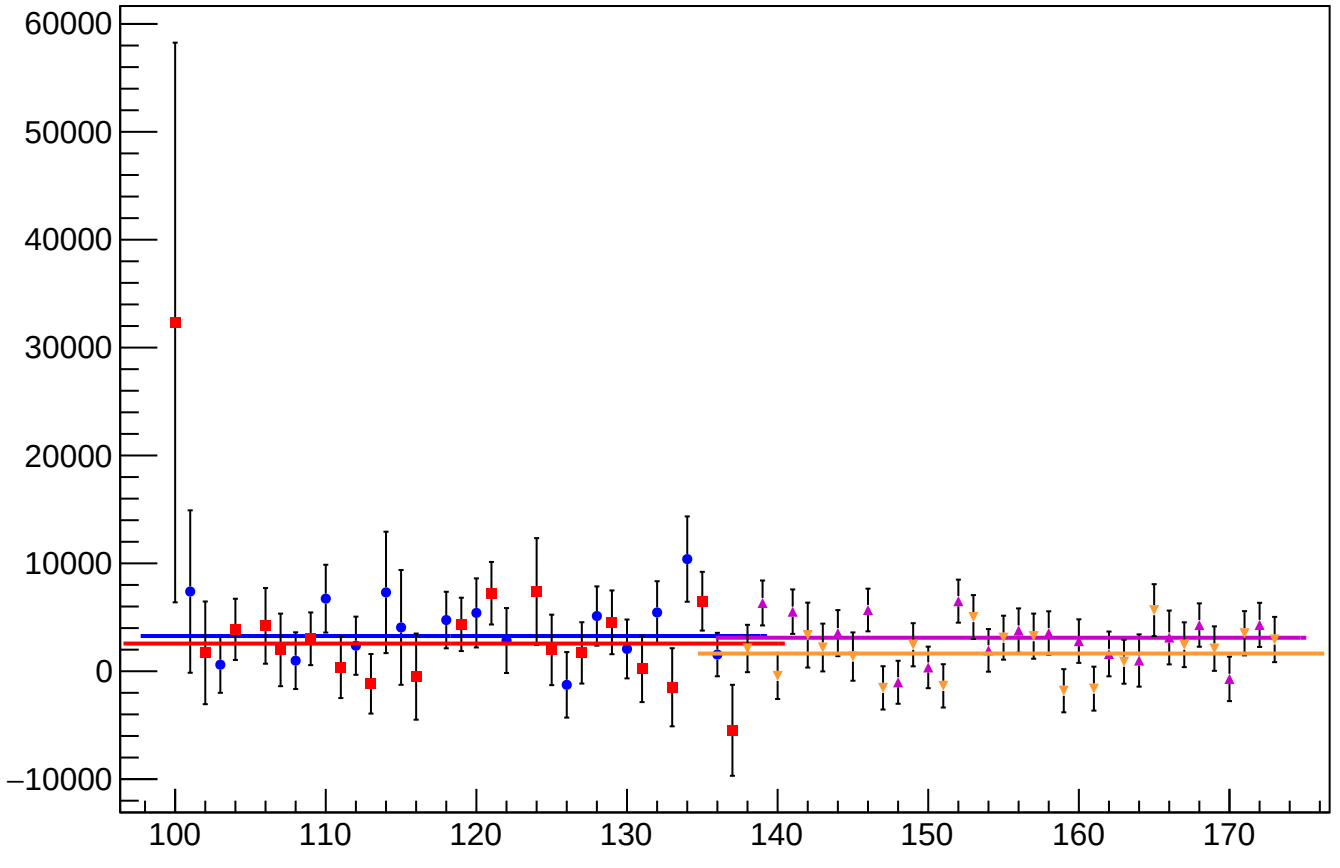
Left: 4763.425+/-0.637 χ^2/NDF: 1692056.2/35

Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4645.152+/-0.728 χ^2/NDF:1524449.0/32

Out: 4143.819+/-0.652 χ^2/NDF:4107632.8/37

All: 4367.104+/-0.486 χ^2/NDF: 5895120.8/70



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1641.117+/-486.007 χ^2/NDF:20.0/18

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 3104.088+/-501.014 χ^2/NDF:20.6/16

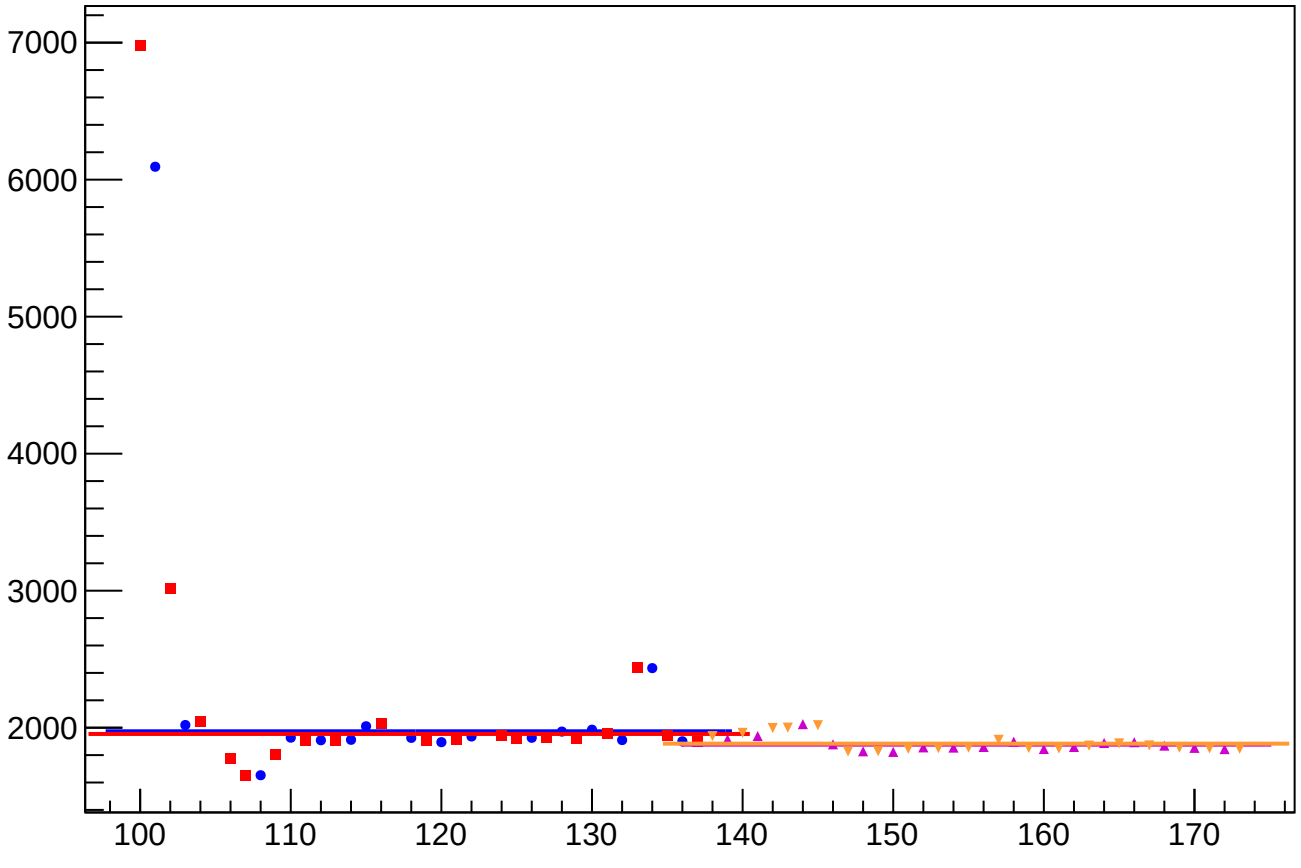
Left: 2350.364+/-348.844 χ^2/NDF: 45.1/35

Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 3153.549+/-416.757 χ^2/NDF:32.8/32

Out: 1922.758+/-405.375 χ^2/NDF:38.2/37

All: 2521.118+/-290.584 χ^2/NDF: 75.5/70


eigen_dit_asym_atr_avg_rms vs Slug, Sign Corrected
7000
6000
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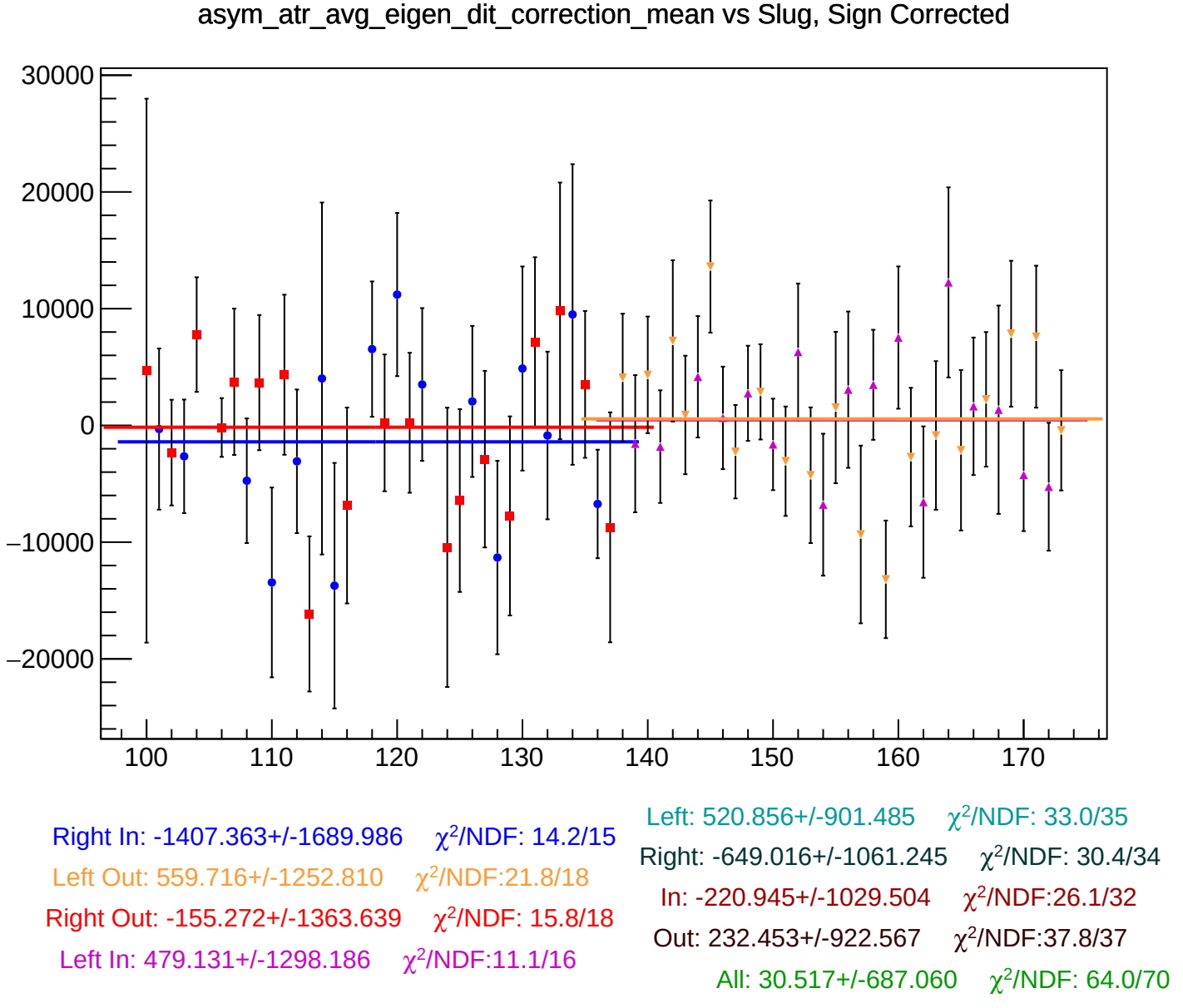
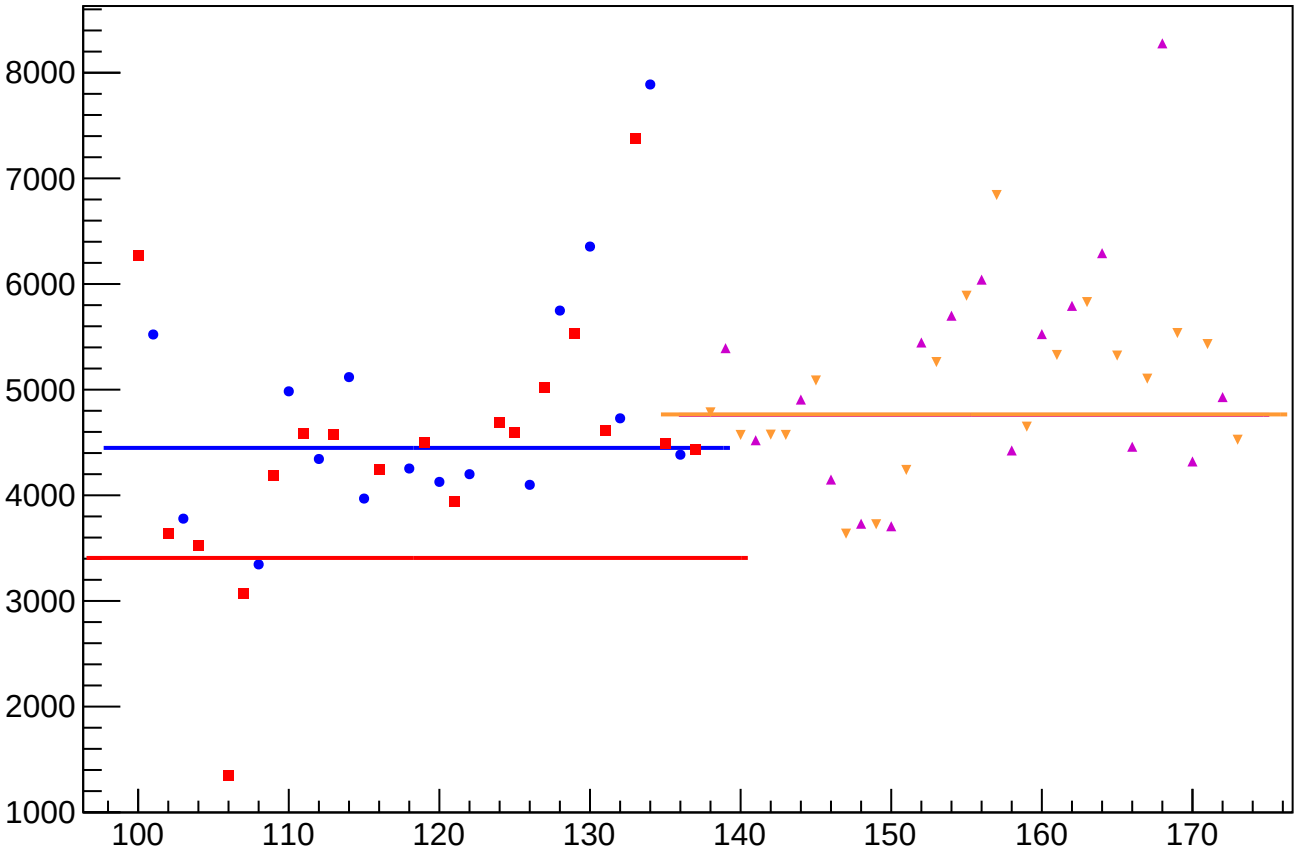
120
130
140
150
160
170
Right In: 1973.748+/-0.531 χ²/NDF: 665124.2/15
Left Out: 1883.476+/-0.344 χ²/NDF:27730.5/18
Right Out: 1954.339+/-0.519 χ²/NDF: 246210.8/18
Left In: 1876.327+/-0.354 χ²/NDF:17450.5/16
Left: 1880.010+/-0.247 χ²/NDF: 45390.8/35
Right: 1963.826+/-0.371 χ²/NDF: 912018.2/34
In: 1906.339+/-0.295 χ²/NDF:705870.3/32
Out: 1905.065+/-0.287 χ²/NDF:286894.9/37
All: 1905.684+/-0.205 χ²/NDF: 992774.8/70


asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -1407.363+/-1689.986 χ²/NDF: 14.2/15
Left Out: 559.716+/-1252.810 χ²/NDF:21.8/18
Right Out: -155.272+/-1363.639 χ²/NDF: 15.8/18
Left In: 479.131+/-1298.186 χ²/NDF:11.1/16
Left: 520.856+/-901.485 χ²/NDF: 33.0/35
Right: -649.016+/-1061.245 χ²/NDF: 30.4/34
In: -220.945+/-1029.504 χ²/NDF:26.1/32
Out: 232.453+/-922.567 χ²/NDF:37.8/37
All: 30.517+/-687.060 χ²/NDF: 64.0/70



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4765.630+/-0.886 χ^2/NDF:705175.5/18

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4761.073+/-0.918 χ^2/NDF:986867.9/16

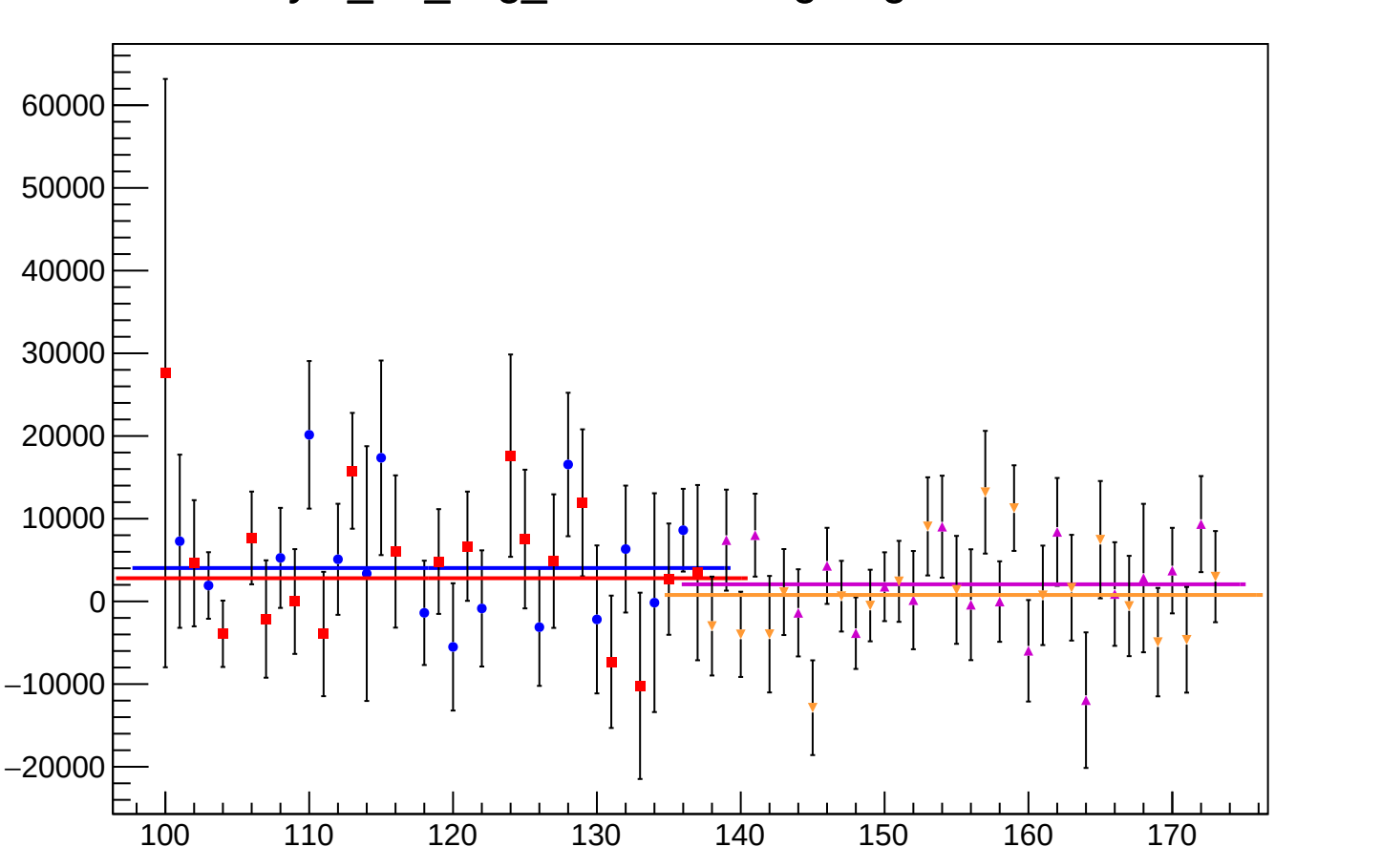
Left: 4763.433+/-0.637 χ^2/NDF: 1692056.1/35

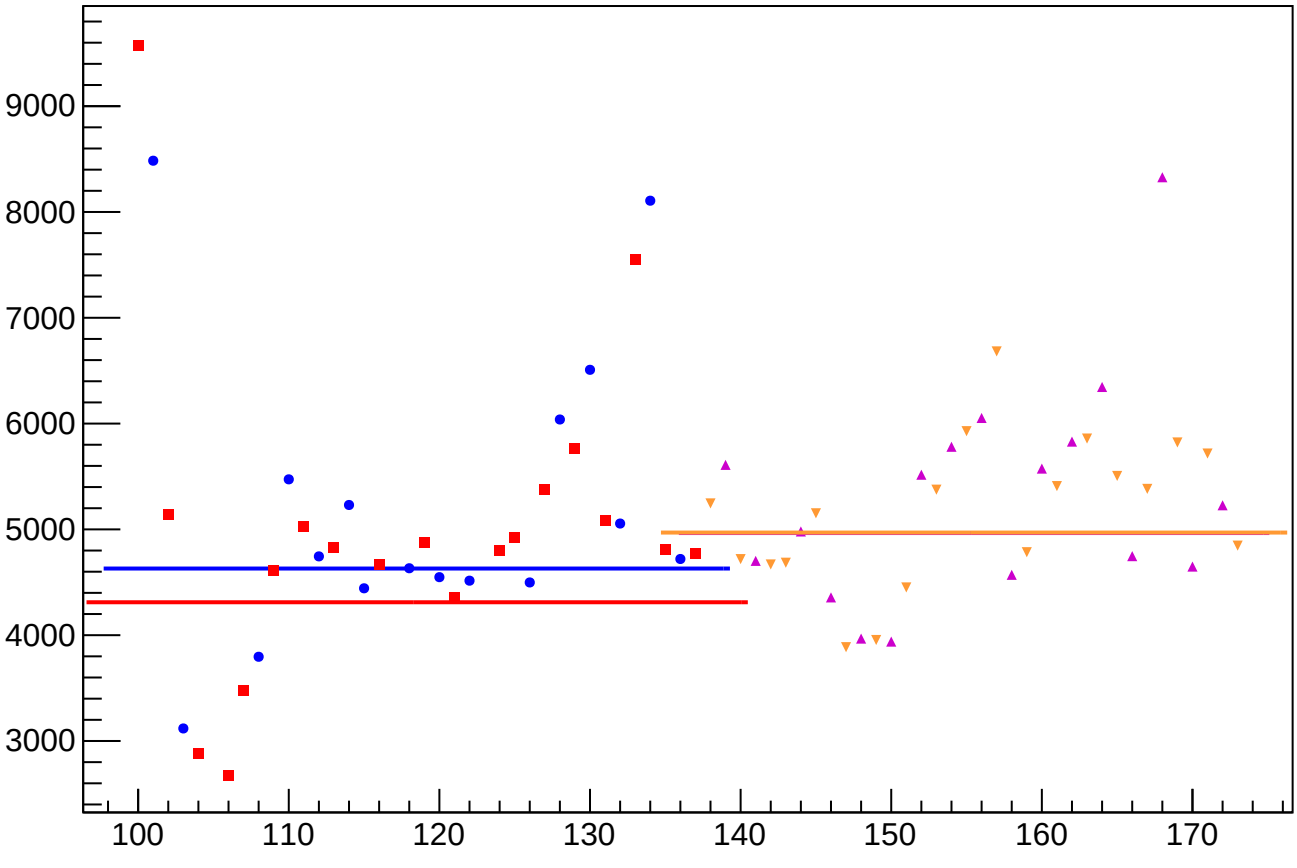
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4645.153+/-0.728 χ^2/NDF:1524450.2/32

Out: 4143.816+/-0.652 χ^2/NDF:4107662.2/37

All: 4367.103+/-0.486 χ^2/NDF: 5895154.8/70


asym_atr_avg_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 4034.572+/-1782.030 χ²/NDF: 12.3/15
Left Out: 779.278+/-1301.703 χ²/NDF:19.0/18
Right Out: 2800.547+/-1671.877 χ²/NDF: 15.4/18
Left In: 2064.989+/-1348.503 χ²/NDF:13.7/16
Left: 1399.436+/-936.551 χ²/NDF: 33.2/35
Right: 3378.243+/-1219.278 χ²/NDF: 28.0/34
In: 2782.158+/-1075.322 χ²/NDF:26.8/32
Out: 1542.129+/-1027.099 χ²/NDF:35.4/37
All: 2133.716+/-742.732 χ²/NDF: 62.9/70



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4969.992+/-0.920 χ^2/NDF:575141.0/18

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 4965.388+/-0.954 χ^2/NDF:814802.4/16

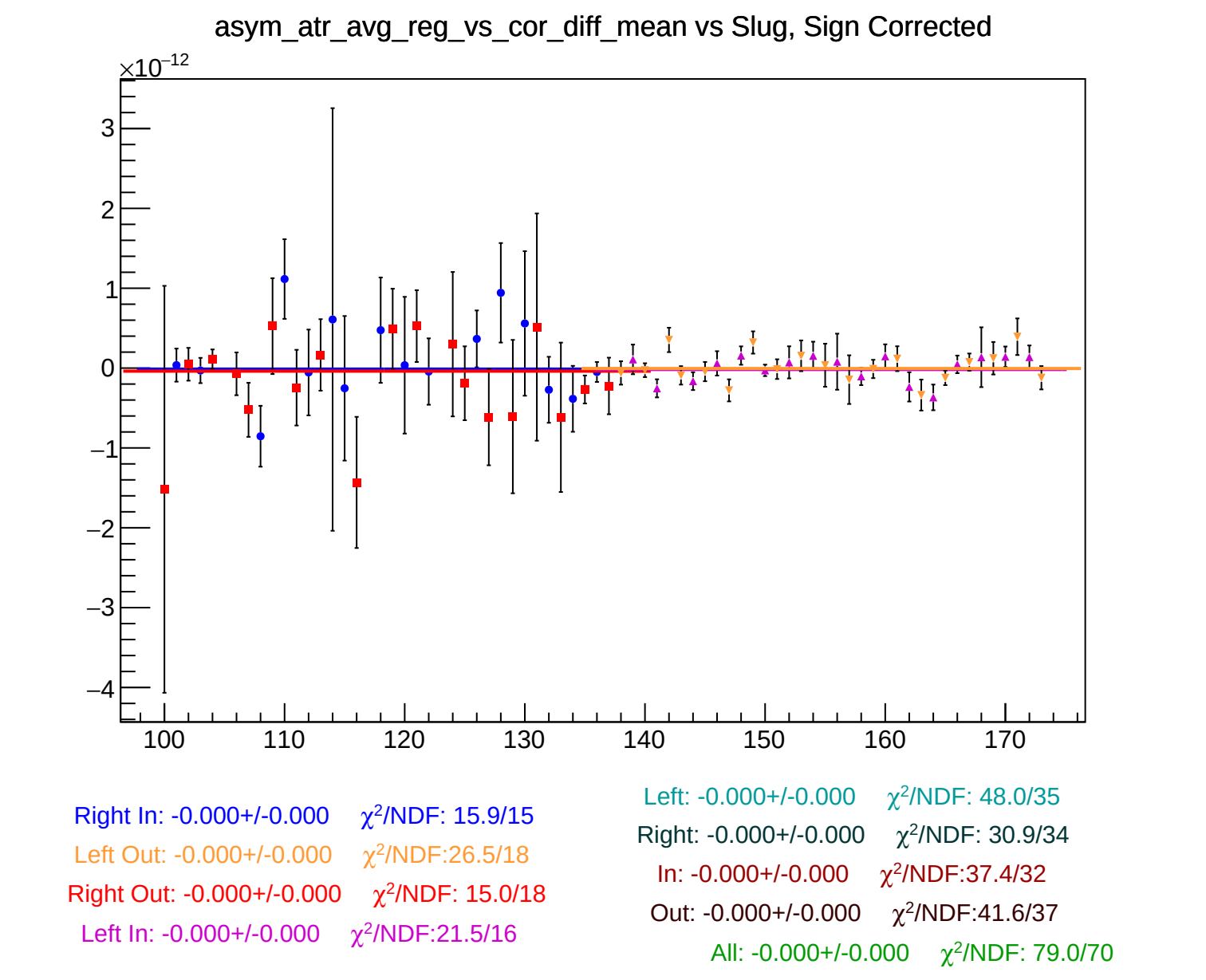
Left: 4967.771+/-0.662 χ^2/NDF: 1389955.5/35

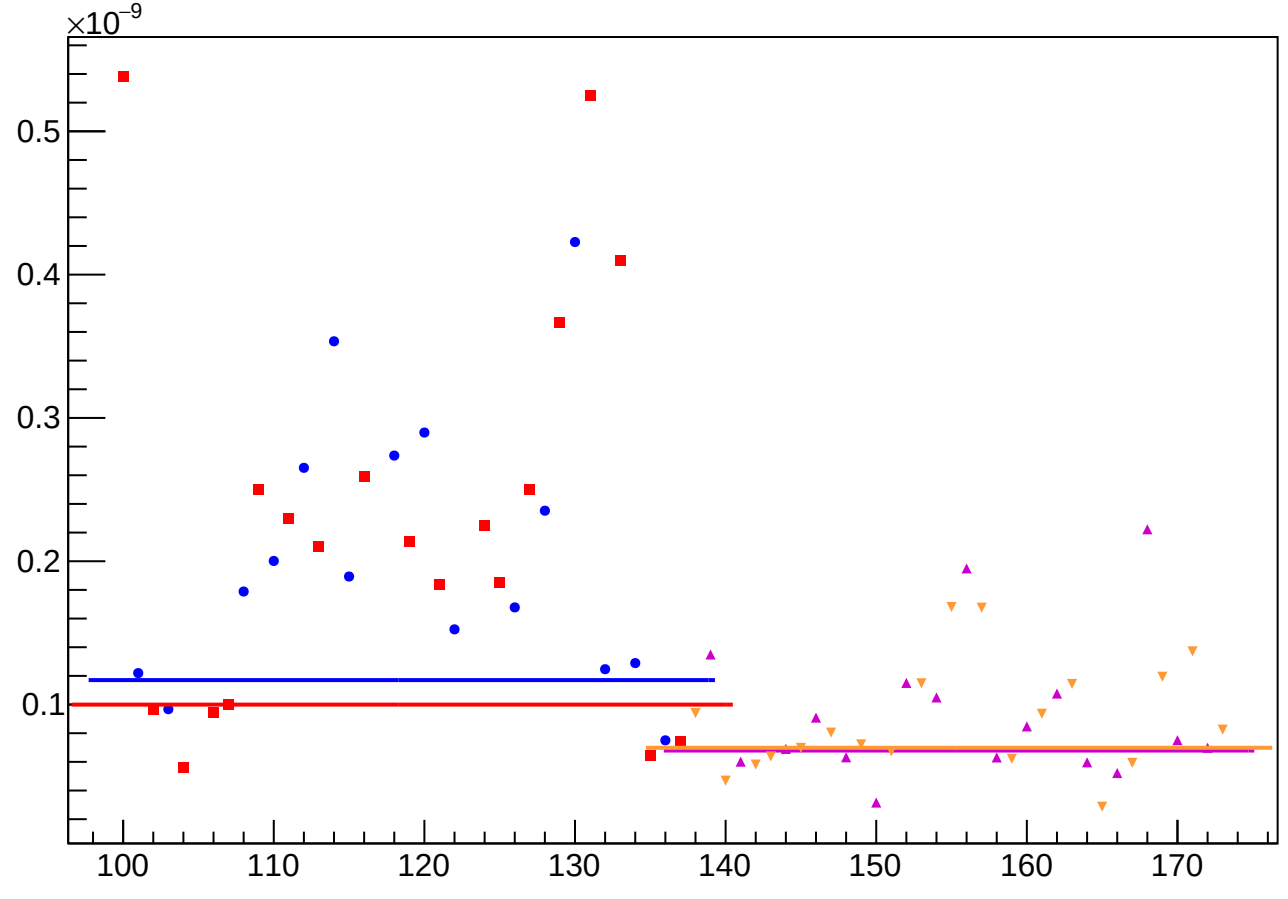
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

In: 4843.254+/-0.760 χ^2/NDF:1760104.8/32

Out: 4718.667+/-0.724 χ^2/NDF:1675302.6/37

All: 4777.899+/-0.524 χ^2/NDF: 3449490.6/70


asym_atr_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: -0.000+/-0.000 χ²/NDF:26.5/18
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:21.5/16
Left: -0.000+/-0.000 χ²/NDF: 48.0/35
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:37.4/32
Out: -0.000+/-0.000 χ²/NDF:41.6/37
All: -0.000+/-0.000 χ²/NDF: 79.0/70



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1699671.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1804707.4/16

Left: 0.000+/-0.000 χ^2/NDF: 3508106.4/35

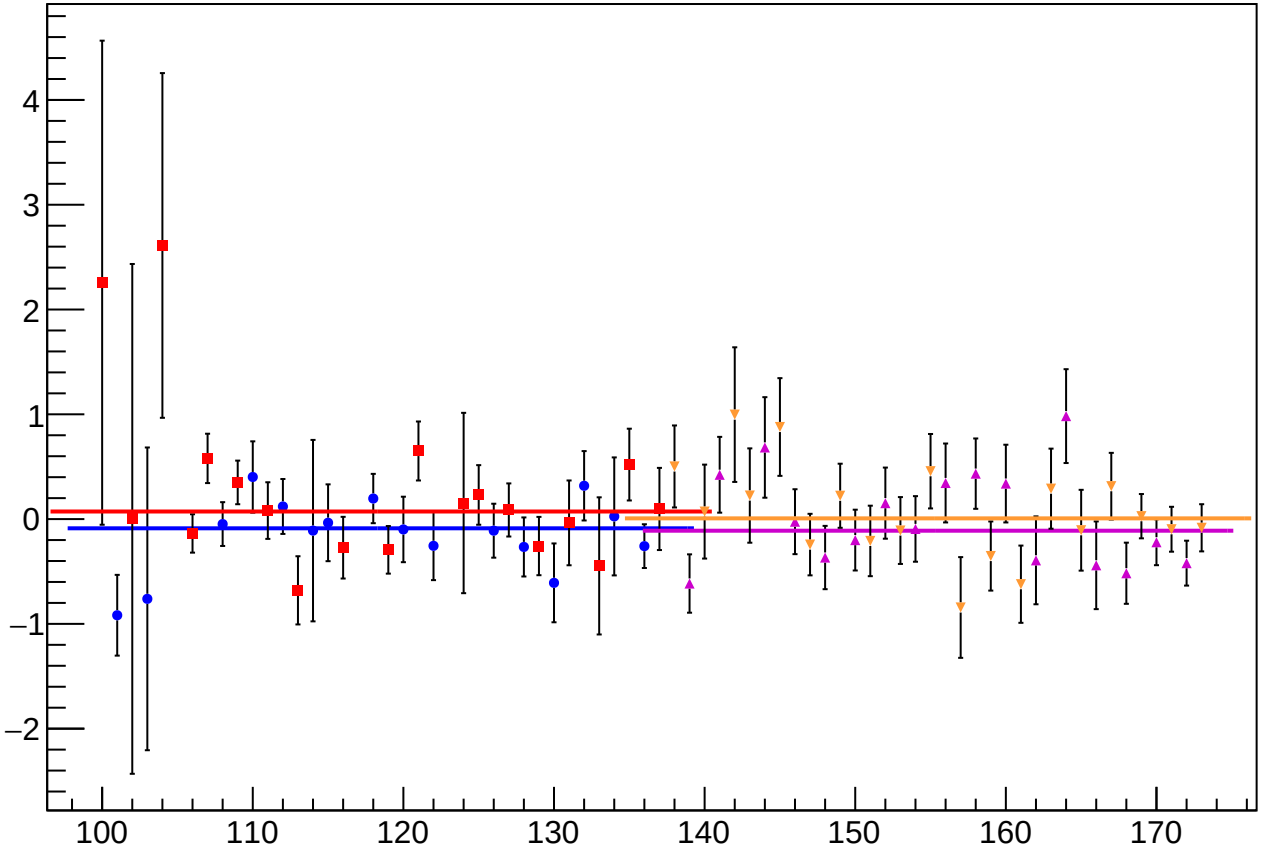
Right: 0.000+/-0.000 χ^2/NDF: 2997940.6/34

In: 0.000+/-0.000 χ^2/NDF:3622974.1/32

Out: 0.000+/-0.000 χ^2/NDF:3833829.6/37

All: 0.000+/-0.000 χ^2/NDF: 7457999.4/70

asym_atr_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.007+/-0.074 χ^2/NDF:20.3/18

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.111+/-0.076 χ^2/NDF:26.6/16

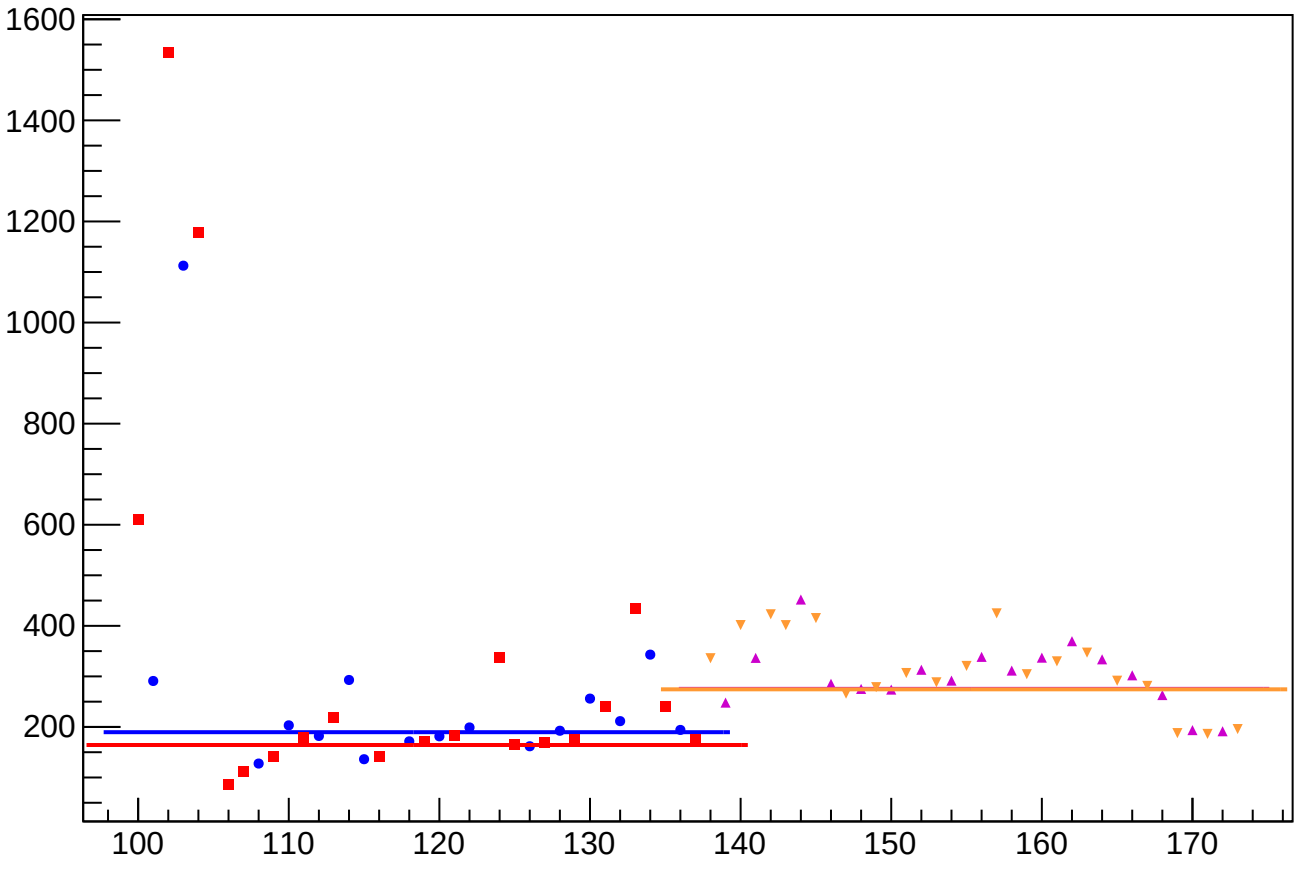
Left: -0.050+/-0.053 χ^2/NDF: 48.1/35

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.099+/-0.054 χ^2/NDF:40.5/32

Out: 0.042+/-0.051 χ^2/NDF:49.4/37

All: -0.025+/-0.037 χ^2/NDF: 93.4/70



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 274.413+/-0.053 χ^2/NDF:1969995.4/18

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 275.333+/-0.054 χ^2/NDF:1245462.4/16

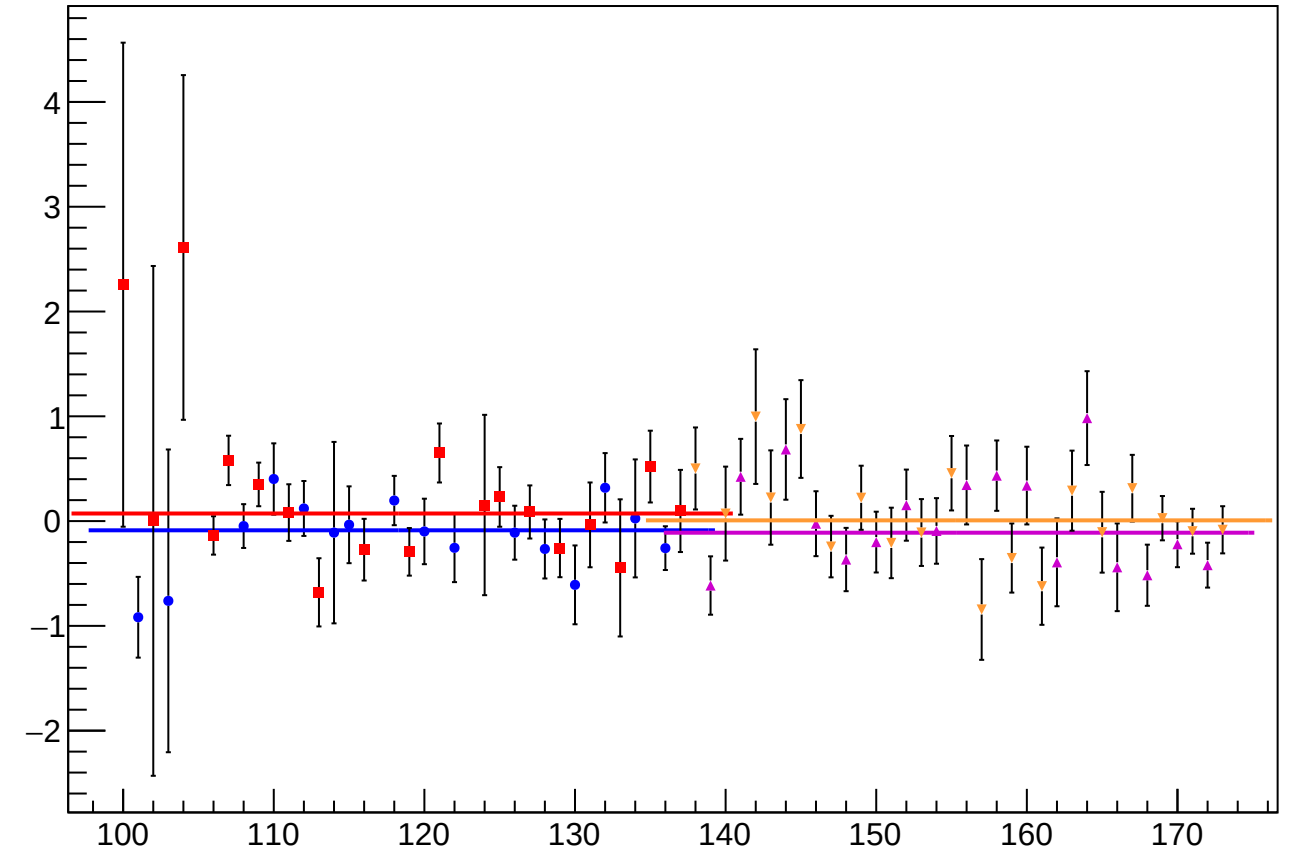
Left: 274.861+/-0.038 χ^2/NDF: 3215606.5/35

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 232.639+/-0.038 χ^2/NDF:3961893.8/32

Out: 215.998+/-0.036 χ^2/NDF:6936953.0/37

All: 223.814+/-0.026 χ^2/NDF: 10998886.4/70



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.007+/-0.074 χ^2/NDF:20.3/18

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.111+/-0.076 χ^2/NDF:26.6/16

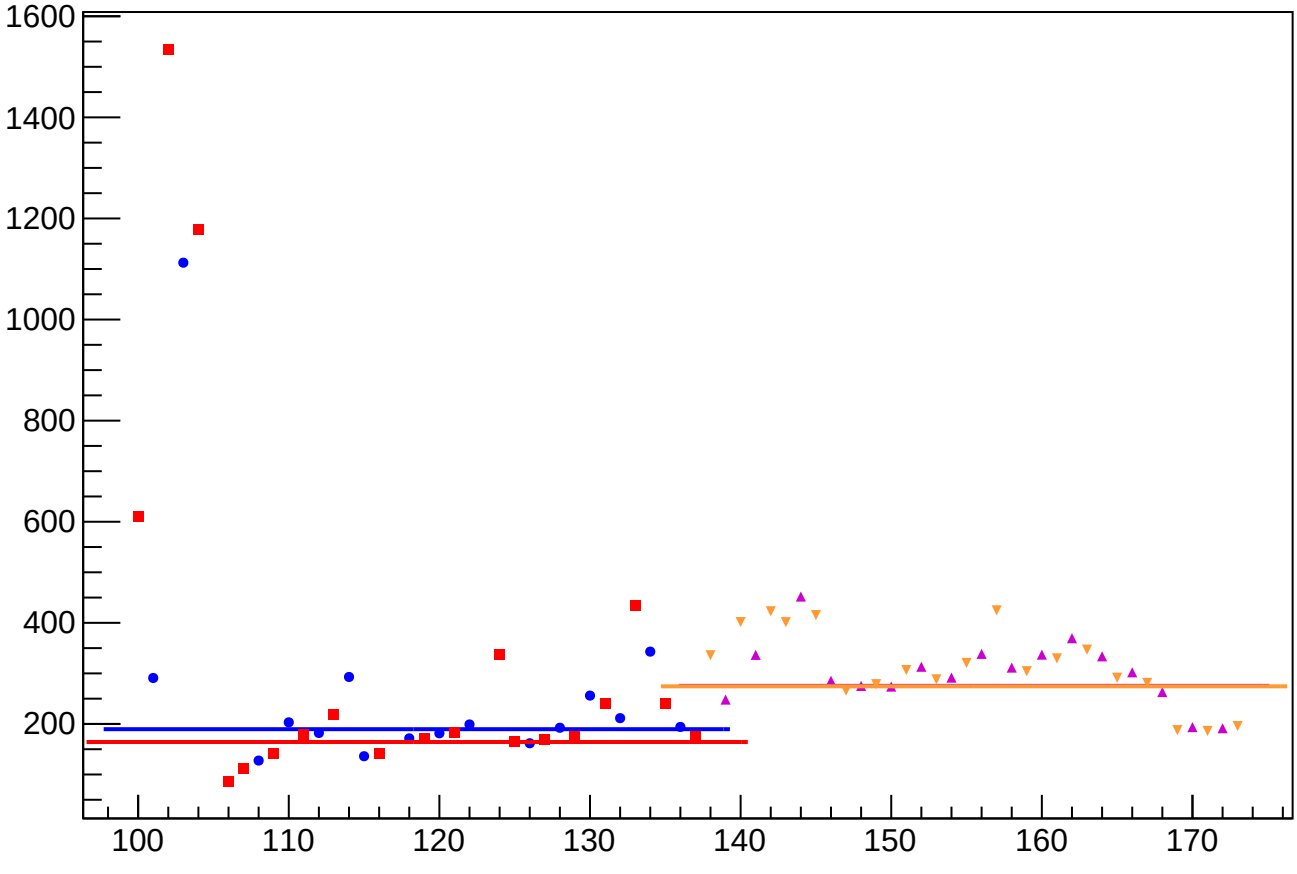
Left: -0.050+/-0.053 χ^2/NDF: 48.1/35

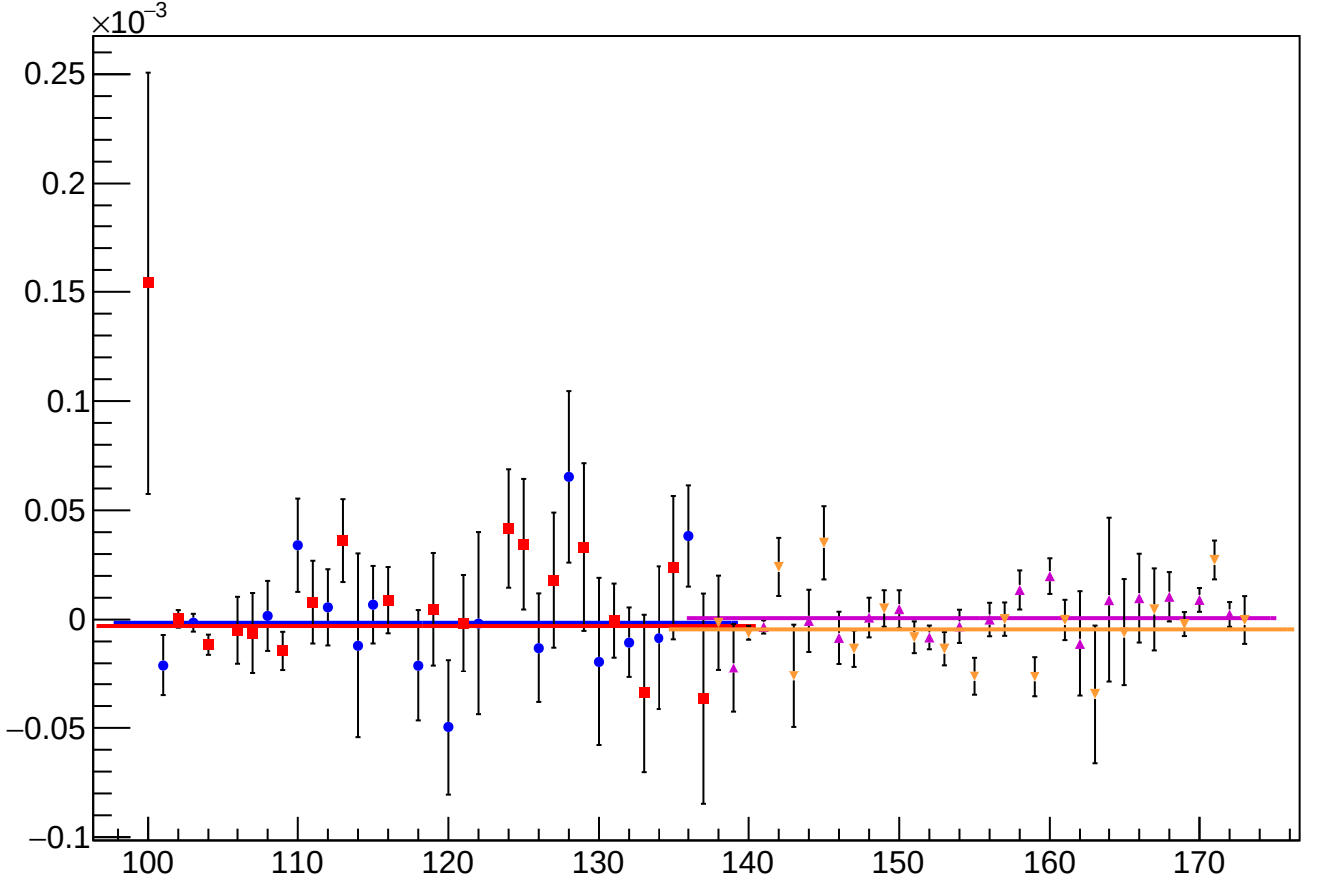
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.099+/-0.054 χ^2/NDF:40.5/32

Out: 0.042+/-0.051 χ^2/NDF:49.4/37

All: -0.025+/-0.037 χ^2/NDF: 93.4/70


asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
Right In: 189.628+/-0.054 χ²/NDF: 1465476.9/15
Left Out: 274.413+/-0.053 χ²/NDF:1969995.4/18
Right Out: 164.287+/-0.050 χ²/NDF: 2643490.2/18
Left In: 275.333+/-0.054 χ²/NDF:1245462.4/16
Left: 274.861+/-0.038 χ²/NDF: 3215606.5/35
Right: 175.794+/-0.037 χ²/NDF: 4227942.3/34
In: 232.639+/-0.038 χ²/NDF:3961893.8/32
Out: 215.998+/-0.036 χ²/NDF:6936953.0/37
All: 223.814+/-0.026 χ²/NDF: 10998886.4/70



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:18.0/16

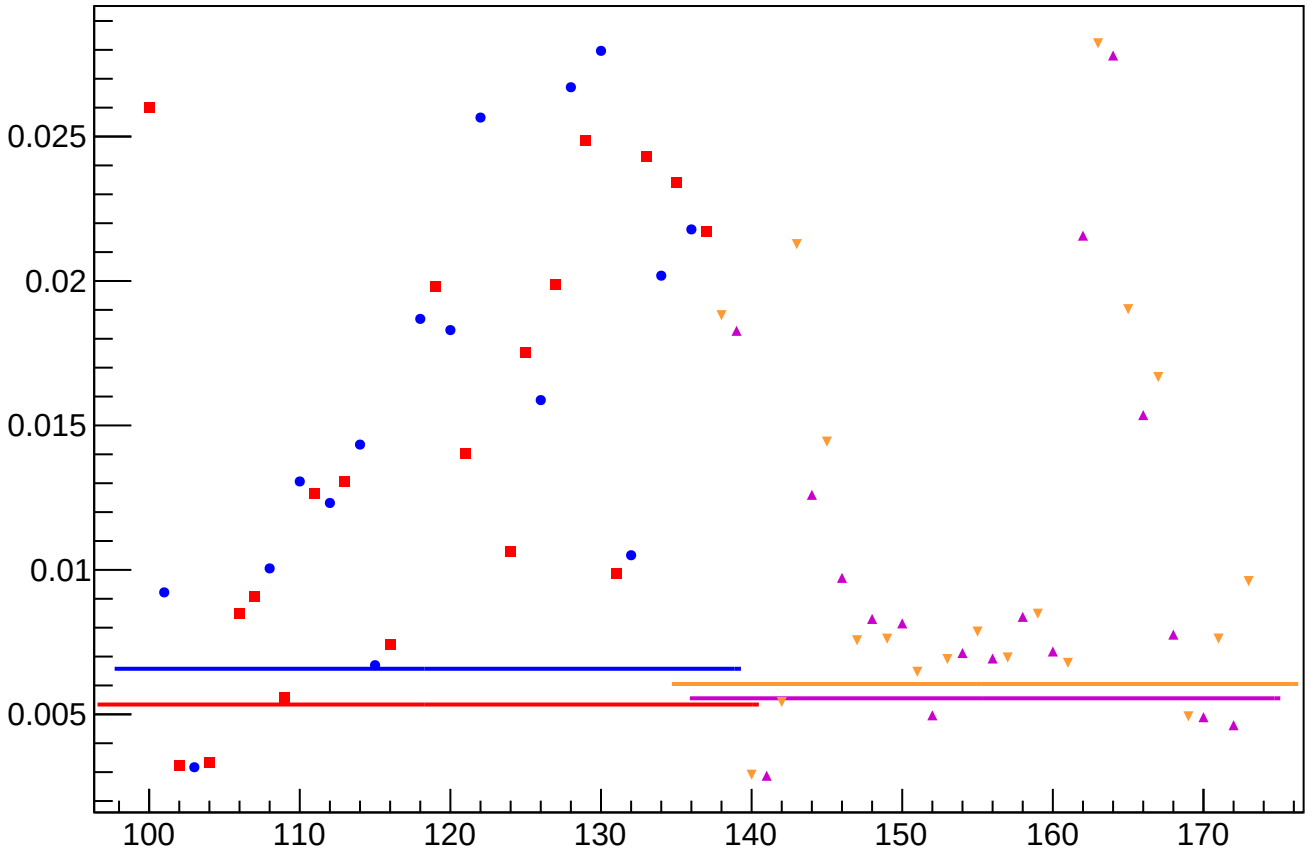
Left: -0.000+/-0.000 χ^2/NDF: 64.2/35

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: 0.000+/-0.000 χ^2/NDF:33.2/32

Out: -0.000+/-0.000 χ^2/NDF:63.7/37

All: -0.000+/-0.000 χ^2/NDF: 100.5/70



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:6970986.0/18

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.006+/-0.000 χ^2/NDF:6074414.1/16

Left: 0.006+/-0.000 χ^2/NDF: 13120467.9/35

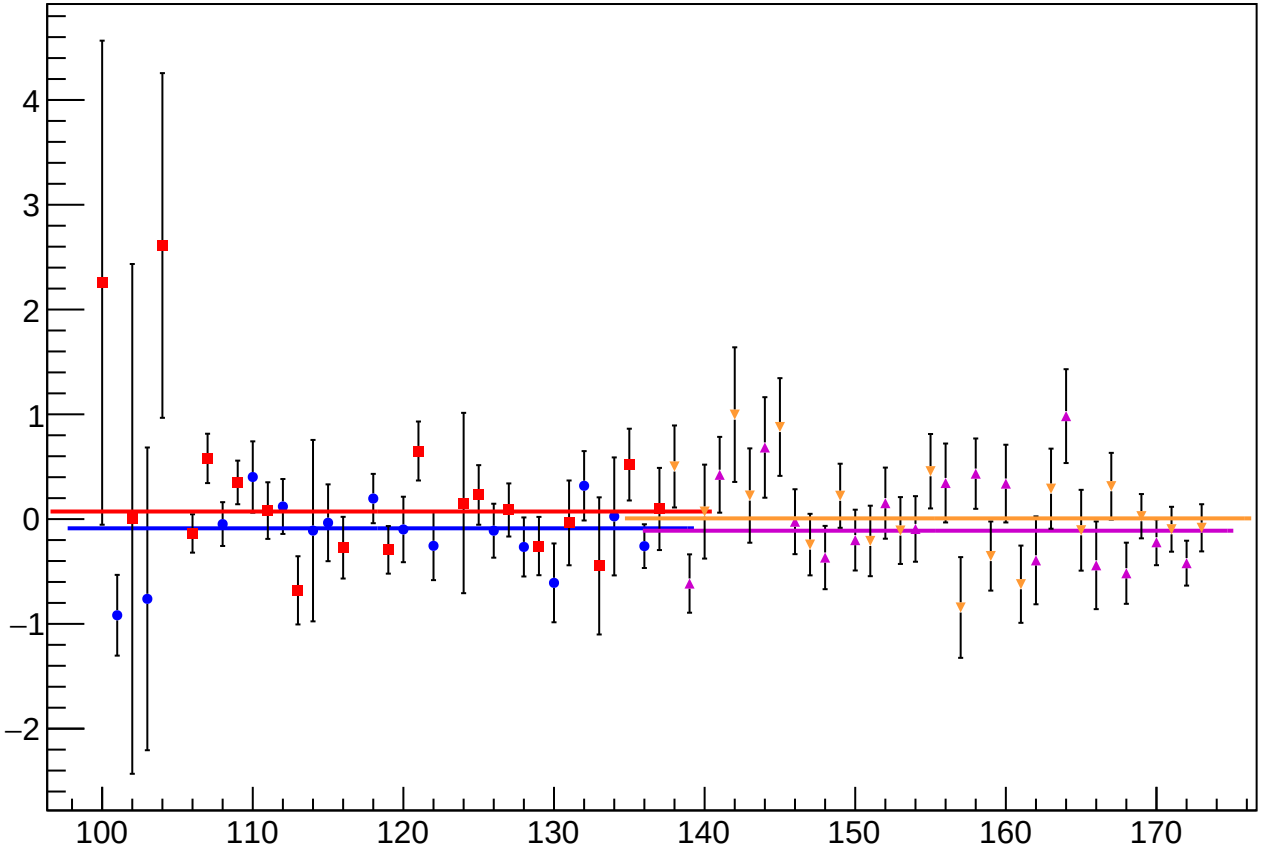
Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.006+/-0.000 χ^2/NDF:12150584.3/32

Out: 0.006+/-0.000 χ^2/NDF:12758033.5/37

All: 0.006+/-0.000 χ^2/NDF: 24908900.1/70

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.007+/-0.074 χ^2/NDF:20.3/18

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.111+/-0.076 χ^2/NDF:26.6/16

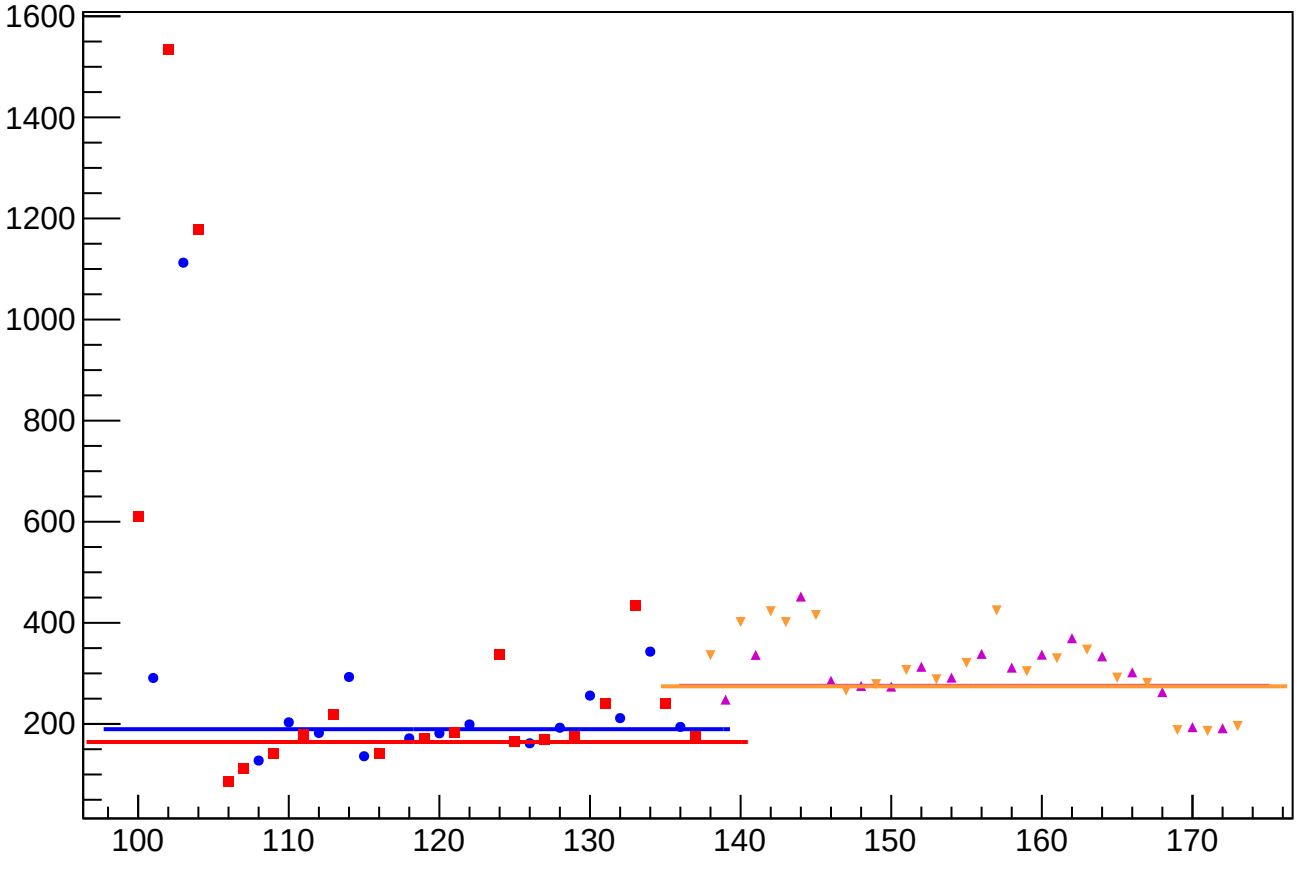
Left: -0.050+/-0.053 χ^2/NDF: 48.1/35

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.099+/-0.054 χ^2/NDF:40.5/32

Out: 0.042+/-0.051 χ^2/NDF:49.4/37

All: -0.025+/-0.037 χ^2/NDF: 93.4/70



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 274.415+/-0.053 χ^2/NDF:1970086.2/18

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 275.337+/-0.054 χ^2/NDF:1245500.8/16

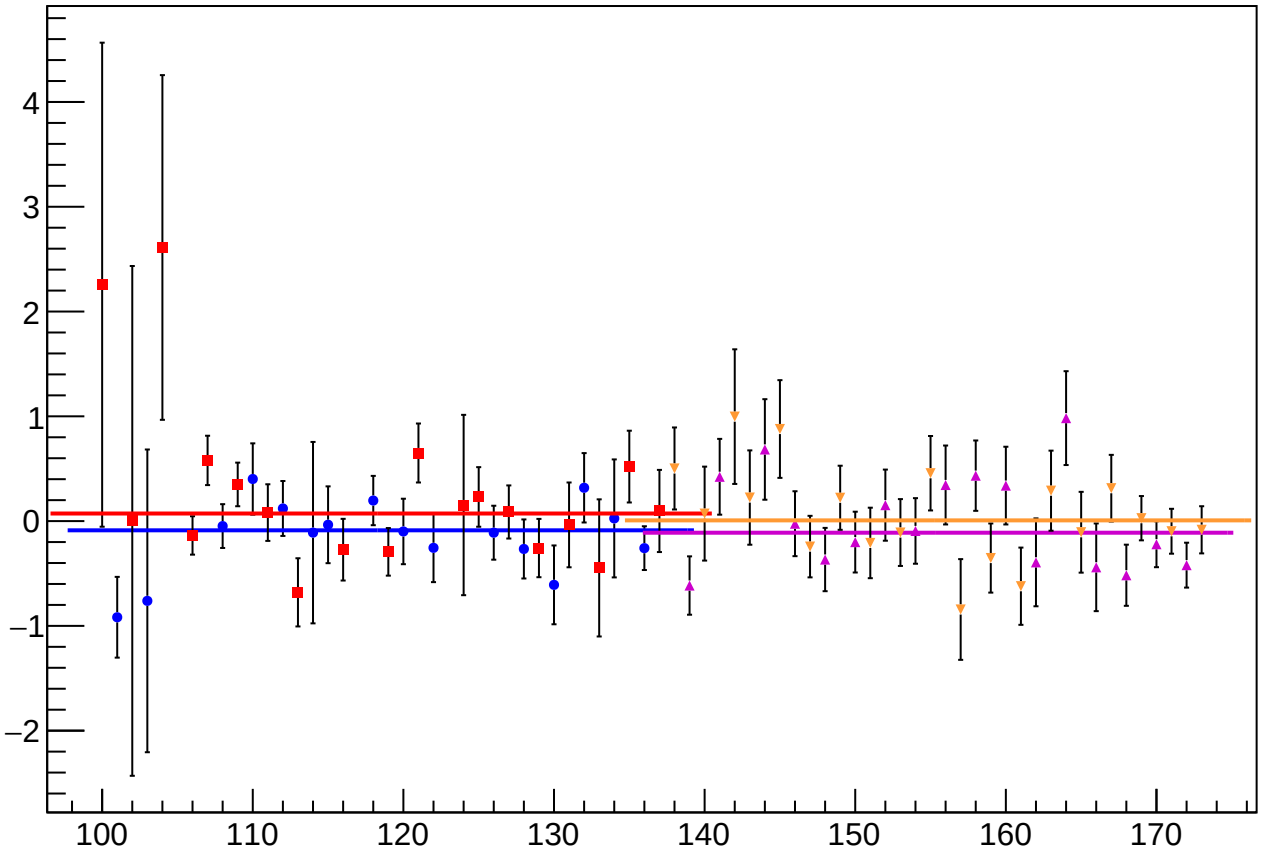
Left: 274.863+/-0.038 χ^2/NDF: 3215736.0/35

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 232.639+/-0.038 χ^2/NDF:3962023.0/32

Out: 215.998+/-0.036 χ^2/NDF:6937134.9/37

All: 223.814+/-0.026 χ^2/NDF: 10999205.4/70



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.007+/-0.074 χ^2/NDF:20.3/18

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.111+/-0.076 χ^2/NDF:26.6/16

Left: -0.050+/-0.053 χ^2/NDF: 48.1/35

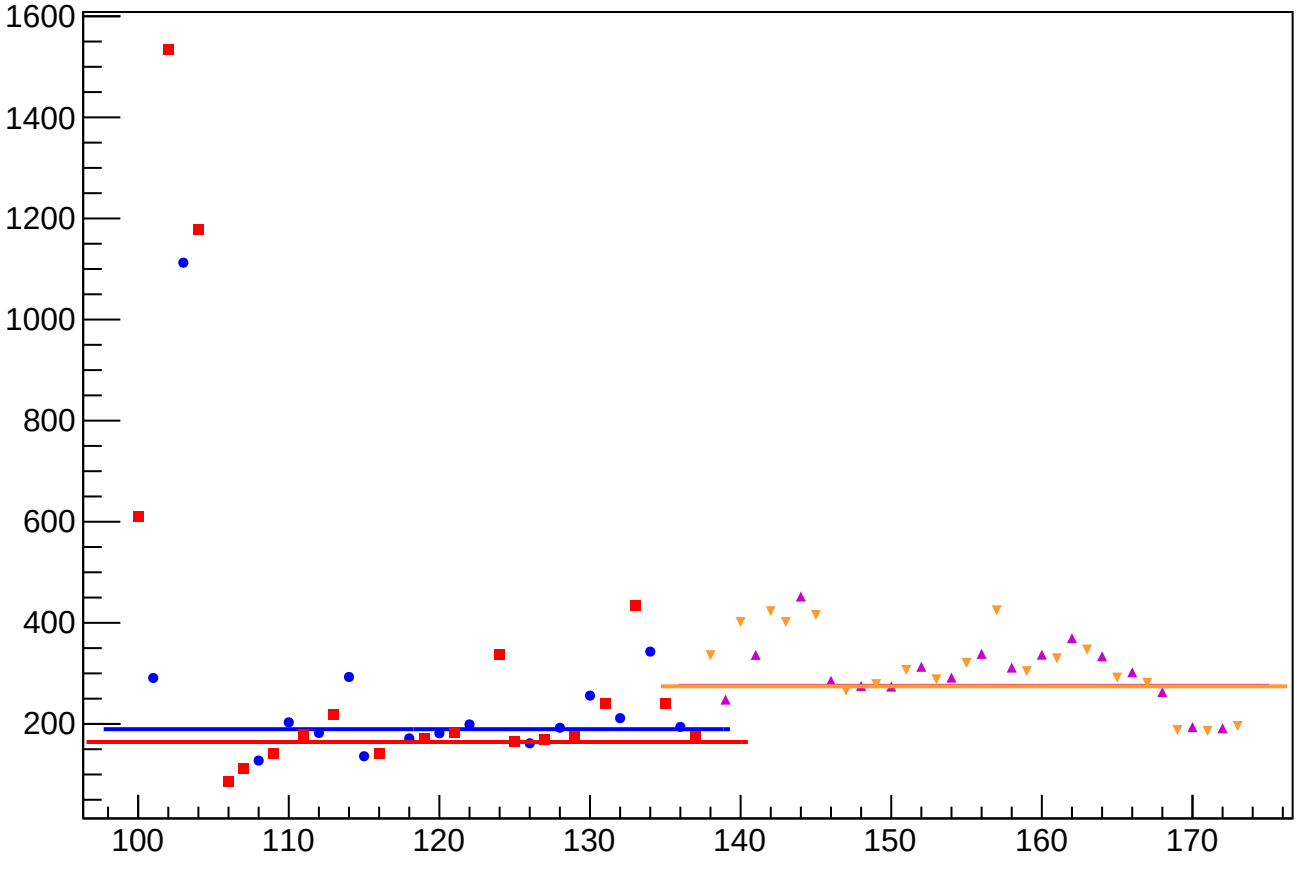
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.099+/-0.054 χ^2/NDF:40.5/32

Out: 0.042+/-0.051 χ^2/NDF:49.4/37

All: -0.025+/-0.037 χ^2/NDF: 93.4/70

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: 274.415+/-0.053 χ^2/NDF:1970086.2/18

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 275.337+/-0.054 χ^2/NDF:1245500.8/16

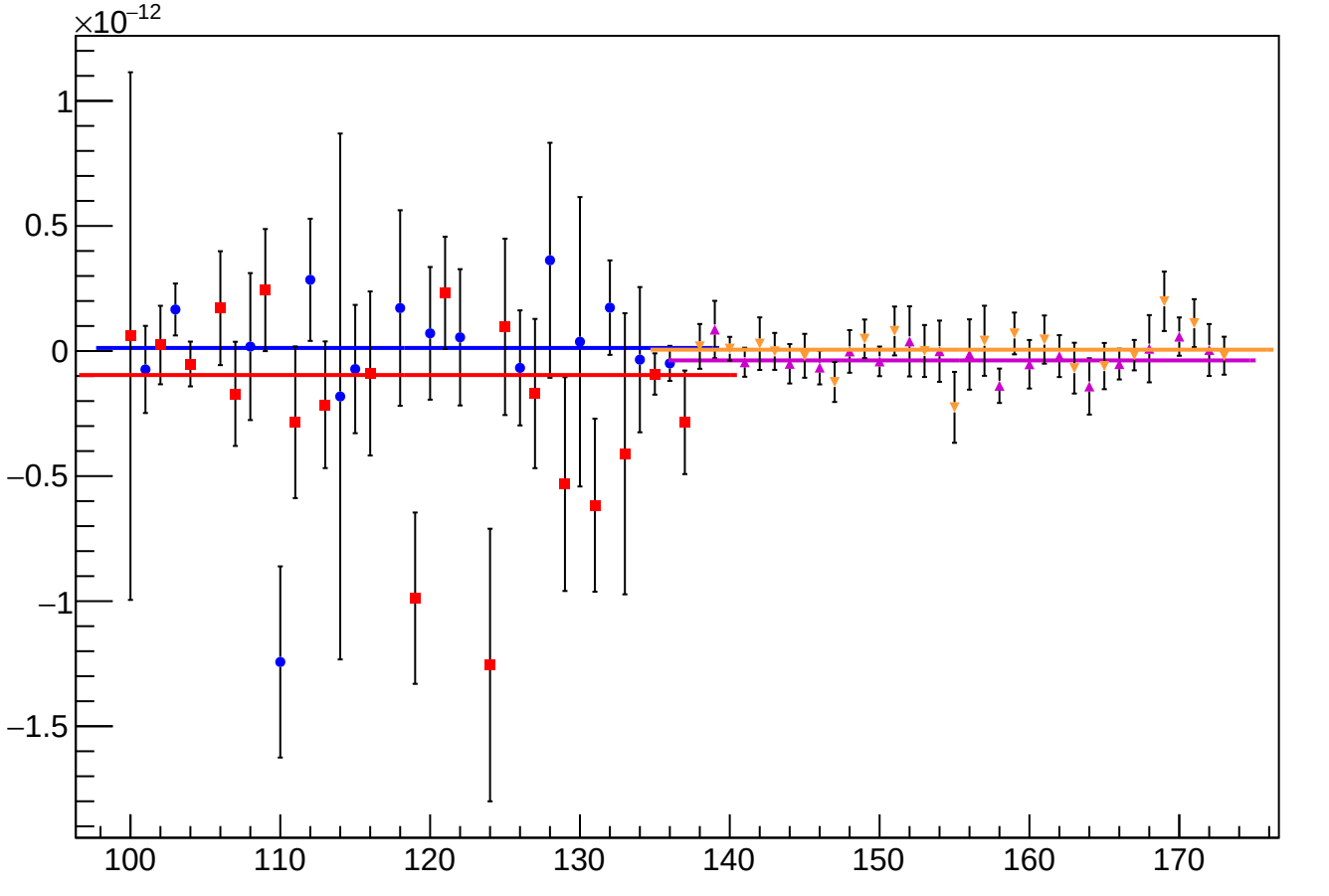
Left: 274.863+/-0.038 χ^2/NDF: 3215736.0/35

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 232.639+/-0.038 χ^2/NDF:3962023.0/32

Out: 215.998+/-0.036 χ^2/NDF:6937134.9/37

All: 223.814+/-0.026 χ^2/NDF: 10999205.4/70



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:7.0/16

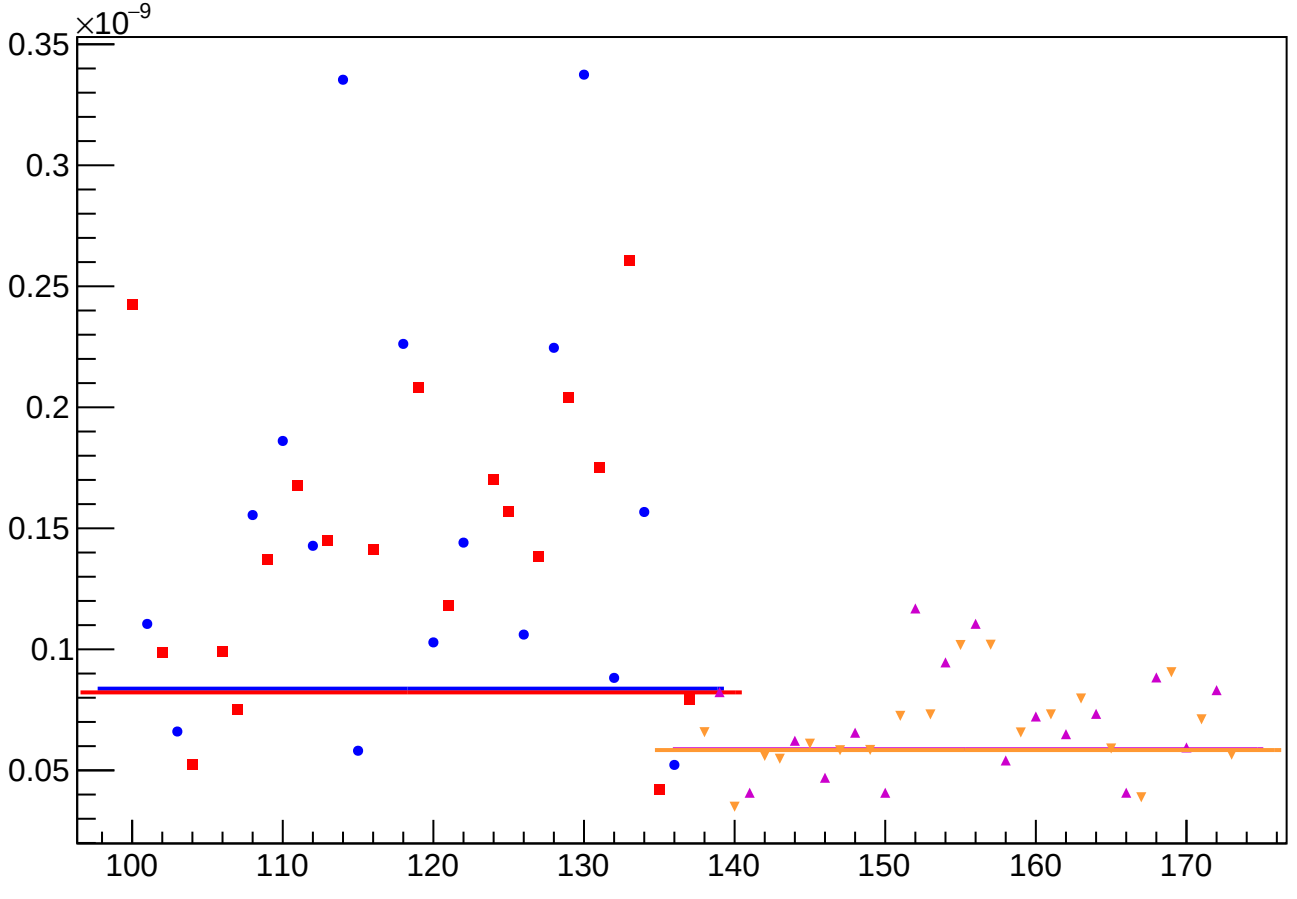
Left: -0.000+/-0.000 χ^2/NDF: 21.6/35

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:25.0/32

Out: -0.000+/-0.000 χ^2/NDF:39.8/37

All: -0.000+/-0.000 χ^2/NDF: 65.4/70



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1510827.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1799265.3/16

Left: 0.000+/-0.000 χ^2/NDF: 3310387.1/35

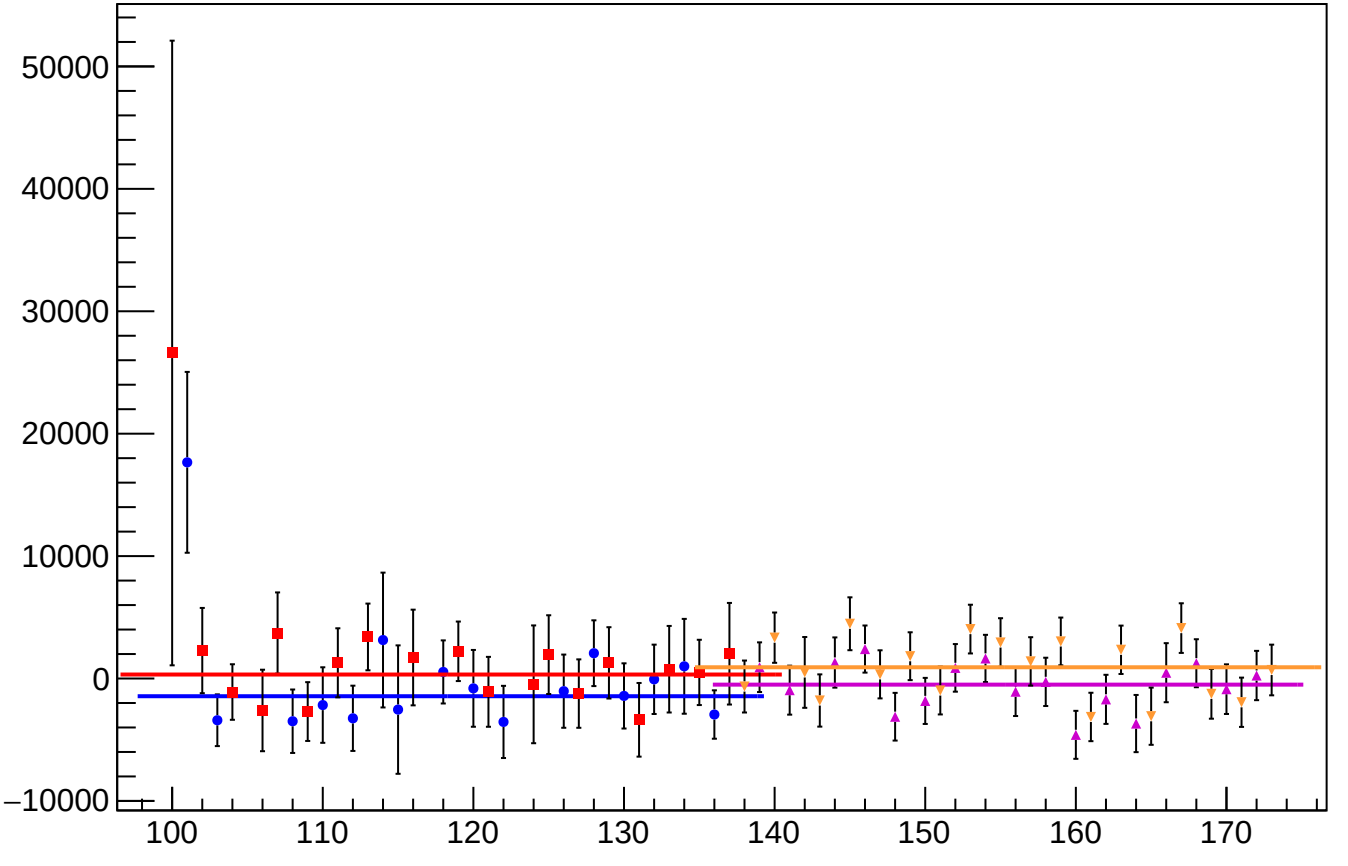
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:4413429.1/32

Out: 0.000+/-0.000 χ^2/NDF:4260810.8/37

All: 0.000+/-0.000 χ^2/NDF: 8675689.9/70

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 918.614+/-472.394 χ^2/NDF:25.6/18

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: -500.156+/-487.795 χ^2/NDF:15.4/16

Left: 231.979+/-339.347 χ^2/NDF: 45.4/35

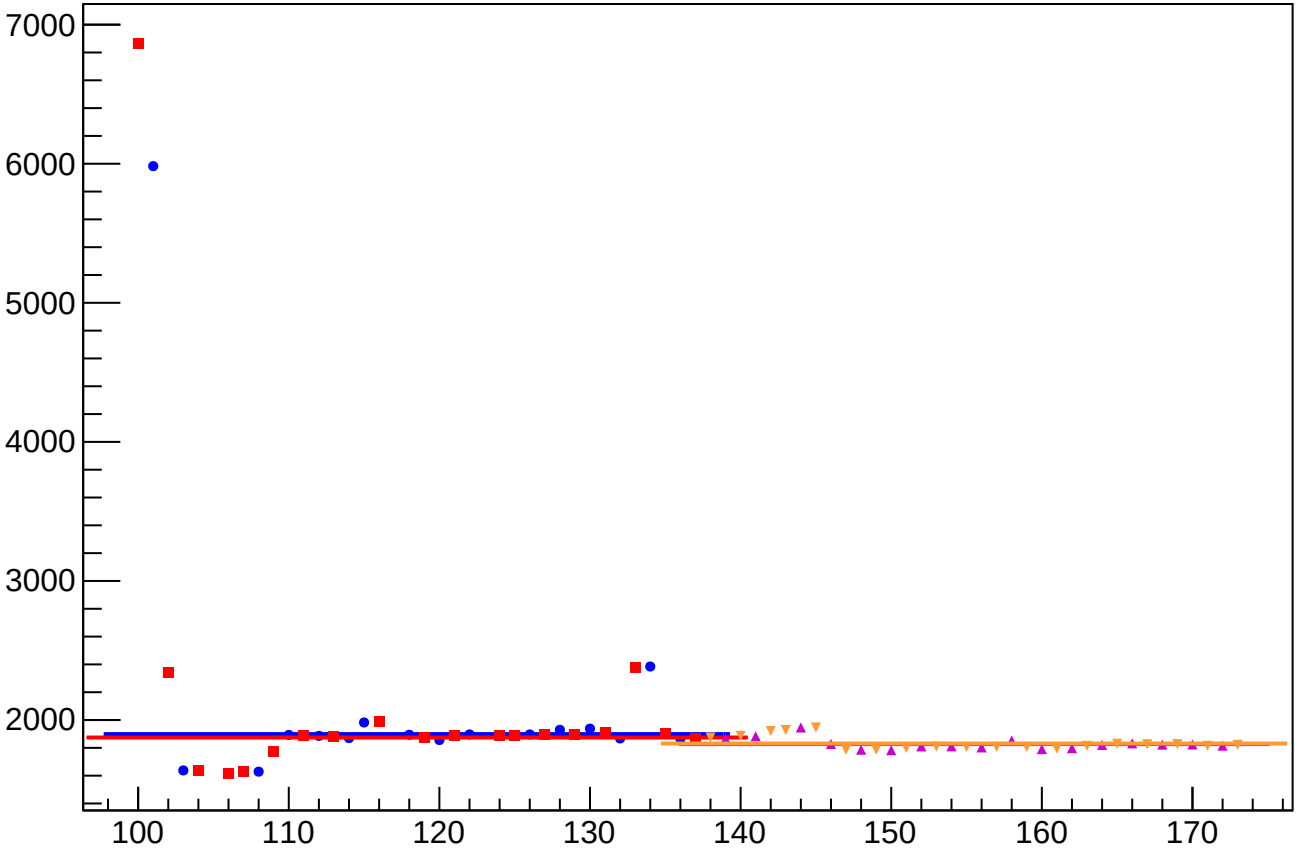
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -796.115+/-404.392 χ^2/NDF:30.1/32

Out: 734.109+/-392.033 χ^2/NDF:36.0/37

All: -7.261+/-281.477 χ^2/NDF: 73.5/70

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1831.106+/-0.334 χ^2/NDF:18854.4/18

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1827.034+/-0.345 χ^2/NDF:13223.1/16

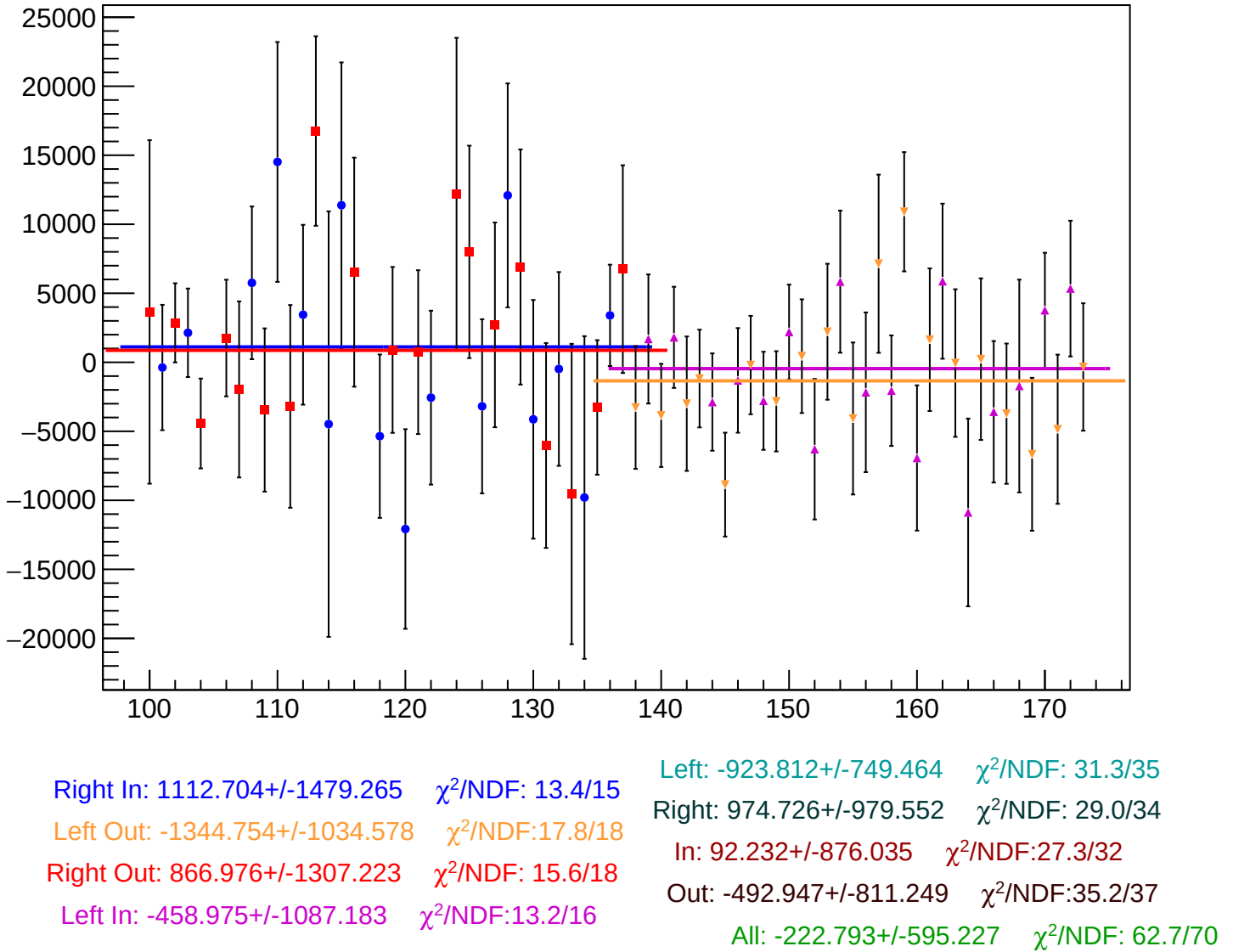
Left: 1829.135+/-0.240 χ^2/NDF: 32149.5/35

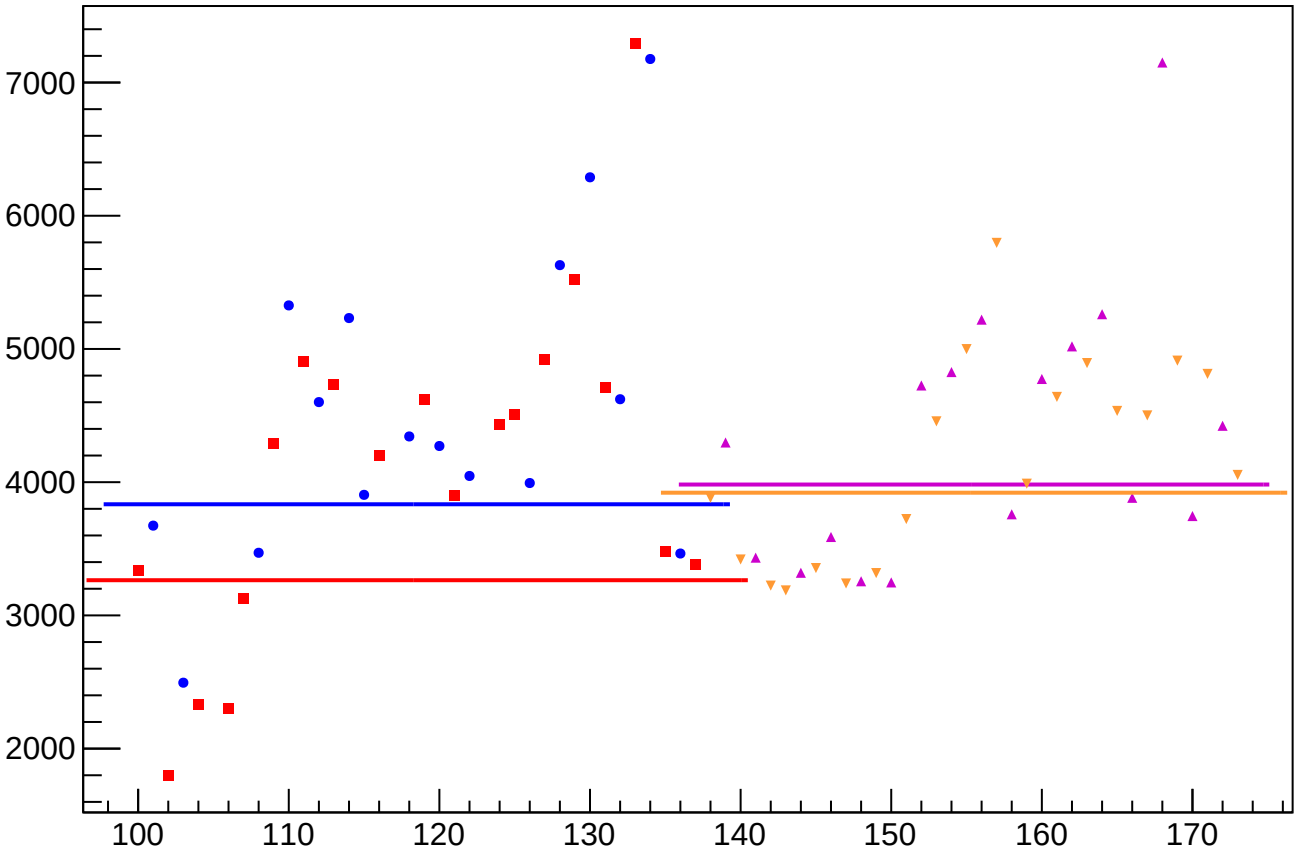
Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1849.485+/-0.286 χ^2/NDF:724285.3/32

Out: 1844.600+/-0.277 χ^2/NDF:231729.7/37

All: 1846.964+/-0.199 χ^2/NDF: 956165.6/70


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
170
Right In: 1112.704+/-1479.265 χ²/NDF: 13.4/15
Left Out: -1344.754+/-1034.578 χ²/NDF:17.8/18
Right Out: 866.976+/-1307.223 χ²/NDF: 15.6/18
Left In: -458.975+/-1087.183 χ²/NDF:13.2/16
Left: -923.812+/-749.464 χ²/NDF: 31.3/35
Right: 974.726+/-979.552 χ²/NDF: 29.0/34
In: 92.232+/-876.035 χ²/NDF:27.3/32
Out: -492.947+/-811.249 χ²/NDF:35.2/37
All: -222.793+/-595.227 χ²/NDF: 62.7/70



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3921.027+/-0.732 χ^2/NDF:883989.5/18

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 3982.316+/-0.769 χ^2/NDF:1060798.1/16

Left: 3950.153+/-0.530 χ^2/NDF: 1948123.2/35

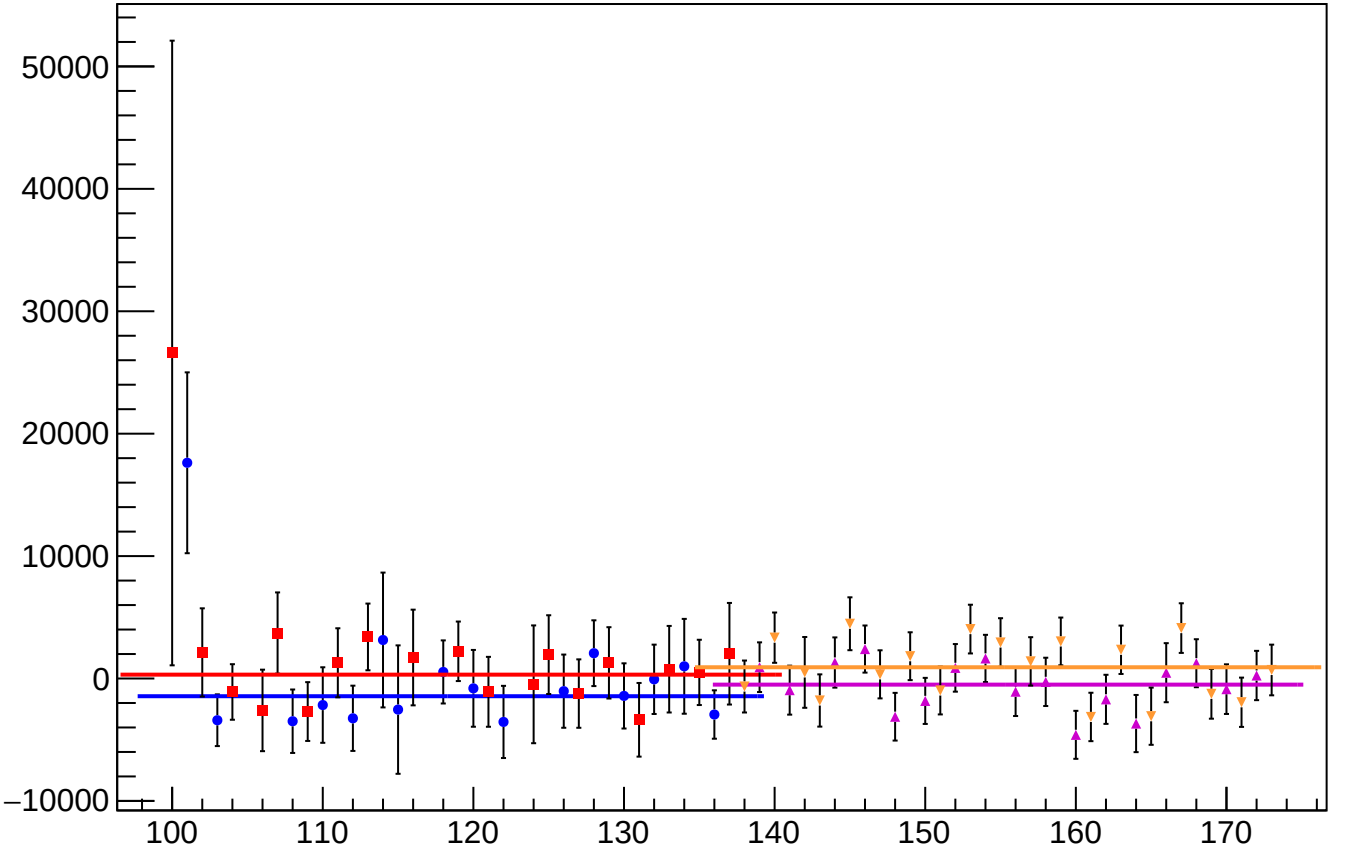
Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3930.357+/-0.619 χ^2/NDF:2030599.2/32

Out: 3668.028+/-0.574 χ^2/NDF:3058782.2/37

All: 3789.135+/-0.421 χ^2/NDF: 5185928.4/70

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 918.717+/-472.394 χ^2/NDF:25.6/18

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -500.077+/-487.795 χ^2/NDF:15.4/16

Left: 232.070+/-339.347 χ^2/NDF: 45.4/35

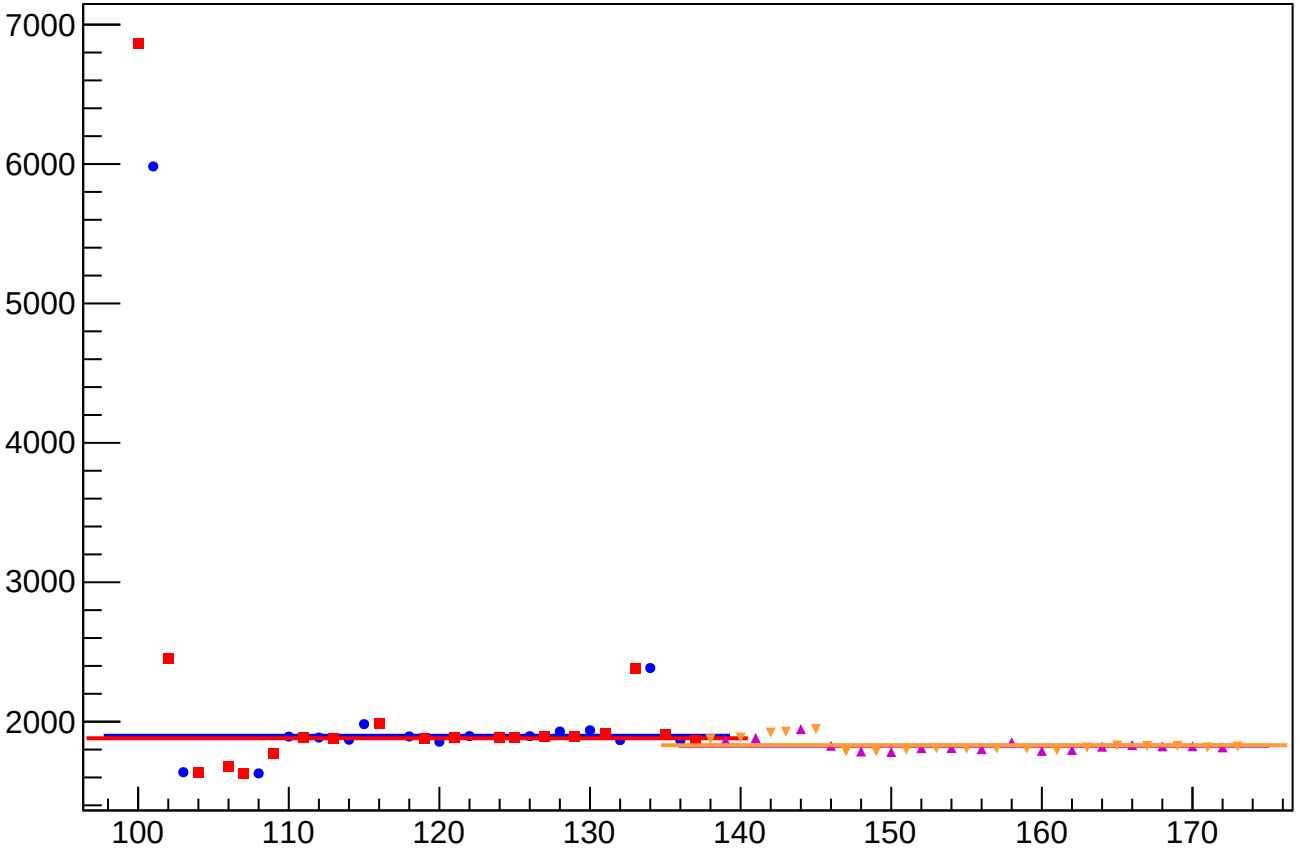
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -796.181+/-404.392 χ^2/NDF:30.1/32

Out: 731.277+/-392.197 χ^2/NDF:36.0/37

All: -9.073+/-281.538 χ^2/NDF: 73.4/70

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1831.106+/-0.334 χ^2/NDF:18854.4/18

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1827.034+/-0.345 χ^2/NDF:13223.1/16

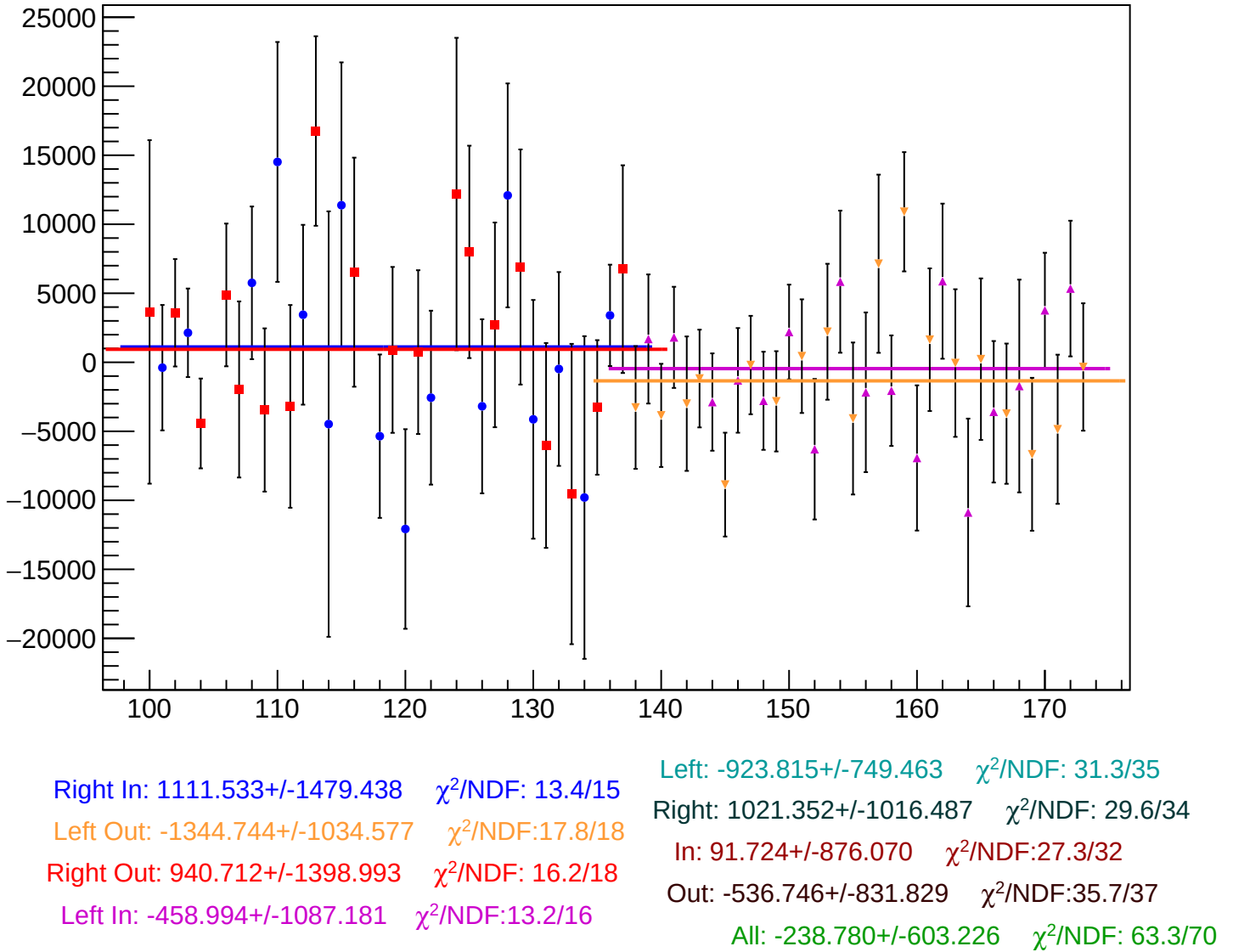
Left: 1829.135+/-0.240 χ^2/NDF: 32149.5/35

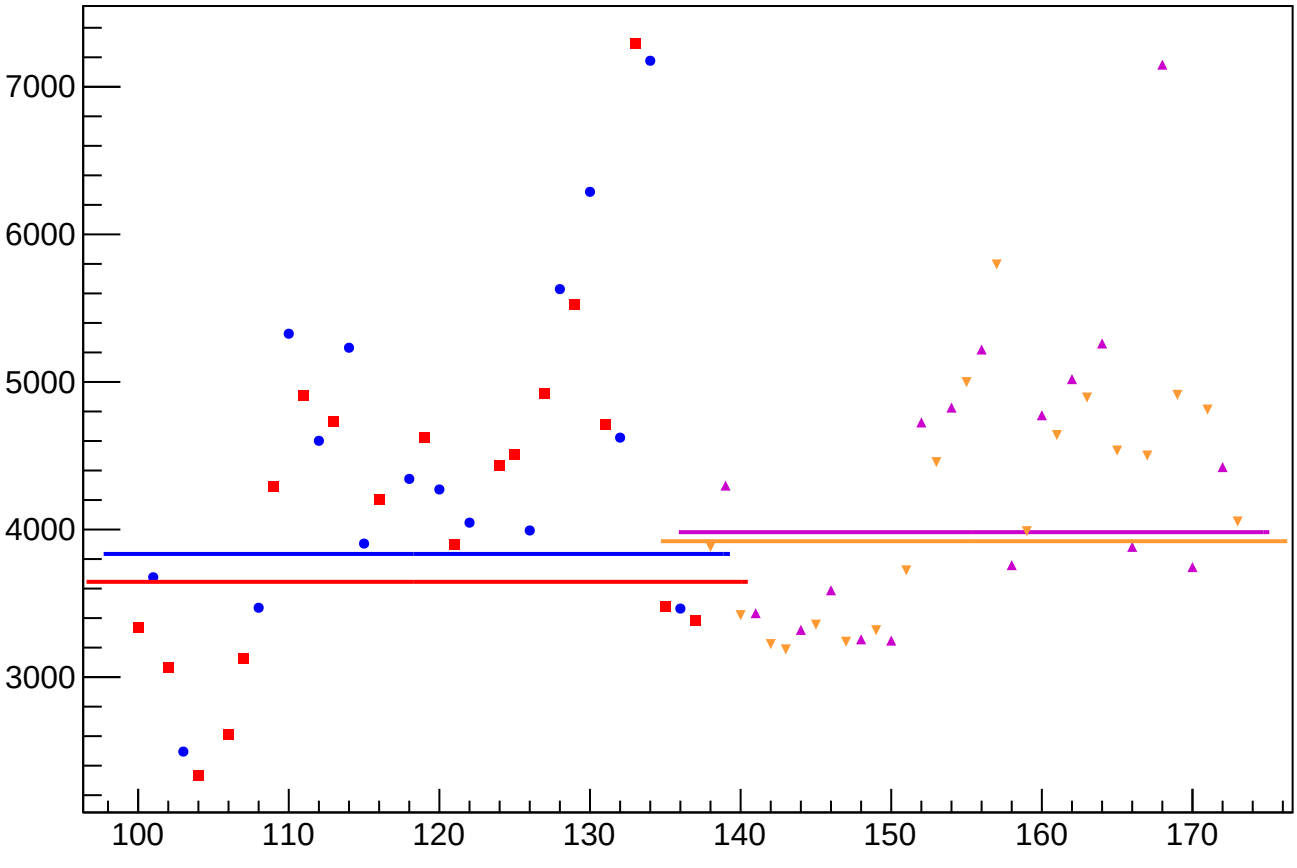
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1849.485+/-0.286 χ^2/NDF:724285.4/32

Out: 1846.644+/-0.277 χ^2/NDF:242367.7/37

All: 1848.020+/-0.199 χ^2/NDF: 966703.9/70


asym_atr_dd_cor_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 1111.533+/-1479.438 χ²/NDF: 13.4/15
Left Out: -1344.744+/-1034.577 χ²/NDF:17.8/18
Right Out: 940.712+/-1398.993 χ²/NDF: 16.2/18
Left In: -458.994+/-1087.181 χ²/NDF:13.2/16
Left: -923.815+/-749.463 χ²/NDF: 31.3/35
Right: 1021.352+/-1016.487 χ²/NDF: 29.6/34
In: 91.724+/-876.070 χ²/NDF:27.3/32
Out: -536.746+/-831.829 χ²/NDF:35.7/37
All: -238.780+/-603.226 χ²/NDF: 63.3/70



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3921.023+/-0.732 χ^2/NDF:883981.8/18

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3982.309+/-0.769 χ^2/NDF:1060811.7/16

Left: 3950.147+/-0.530 χ^2/NDF: 1948128.6/35

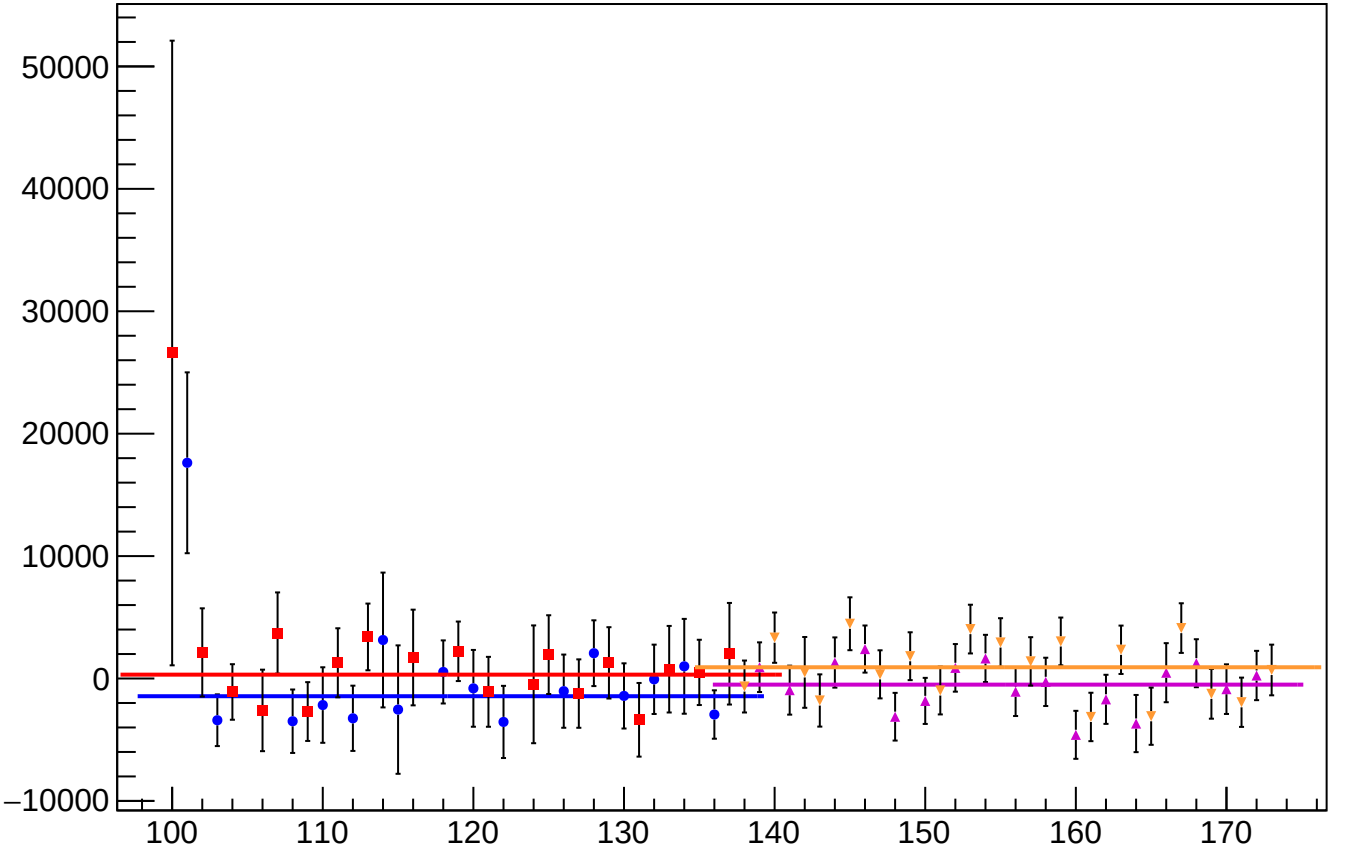
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3930.545+/-0.619 χ^2/NDF:2030053.7/32

Out: 3823.682+/-0.588 χ^2/NDF:2059042.7/37

All: 3874.347+/-0.427 χ^2/NDF: 4104745.9/70

eigen_cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 918.717+/-472.394 χ^2/NDF:25.6/18

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -500.077+/-487.795 χ^2/NDF:15.4/16

Left: 232.070+/-339.347 χ^2/NDF: 45.4/35

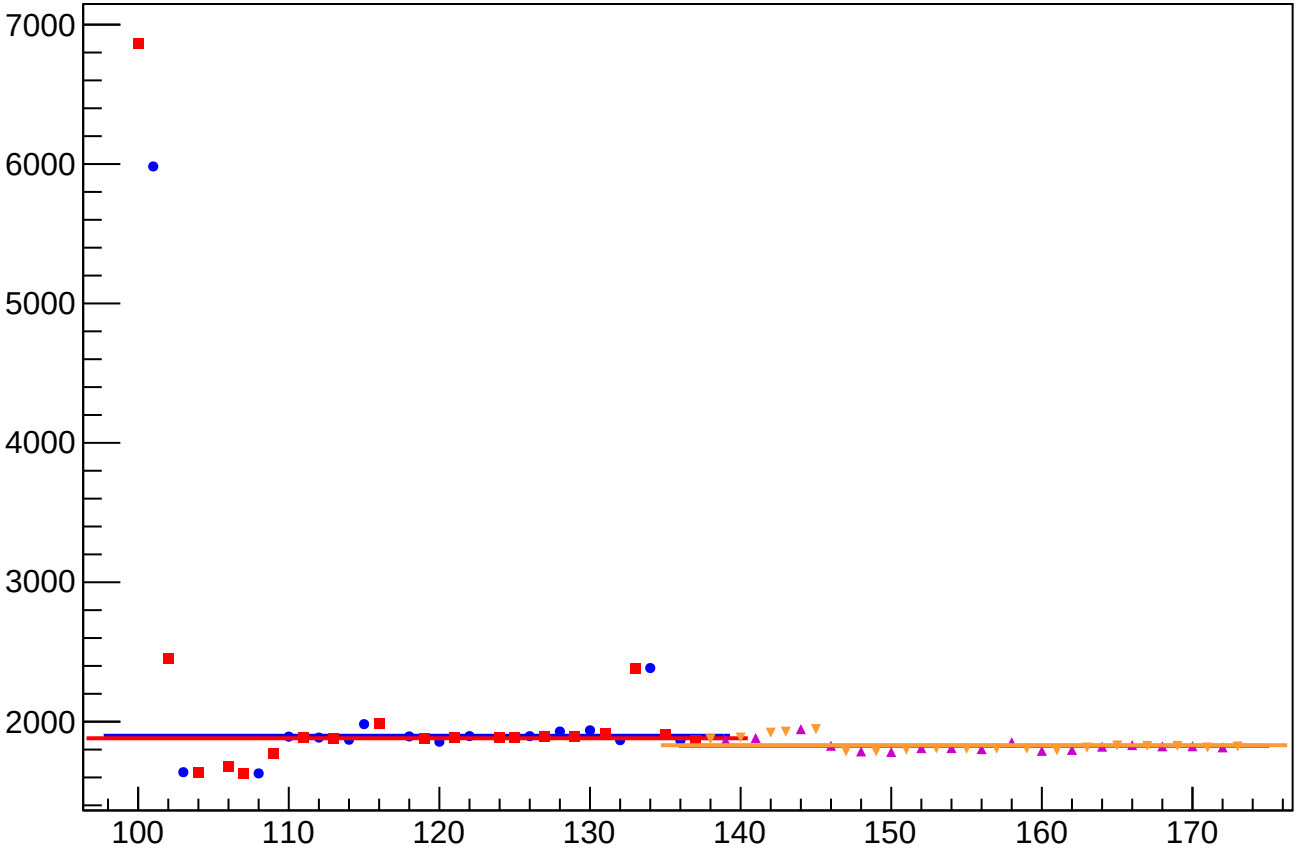
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -796.181+/-404.392 χ^2/NDF:30.1/32

Out: 731.277+/-392.197 χ^2/NDF:36.0/37

All: -9.073+/-281.538 χ^2/NDF: 73.4/70

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1831.106+/-0.334 χ^2/NDF:18854.4/18

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1827.034+/-0.345 χ^2/NDF:13223.1/16

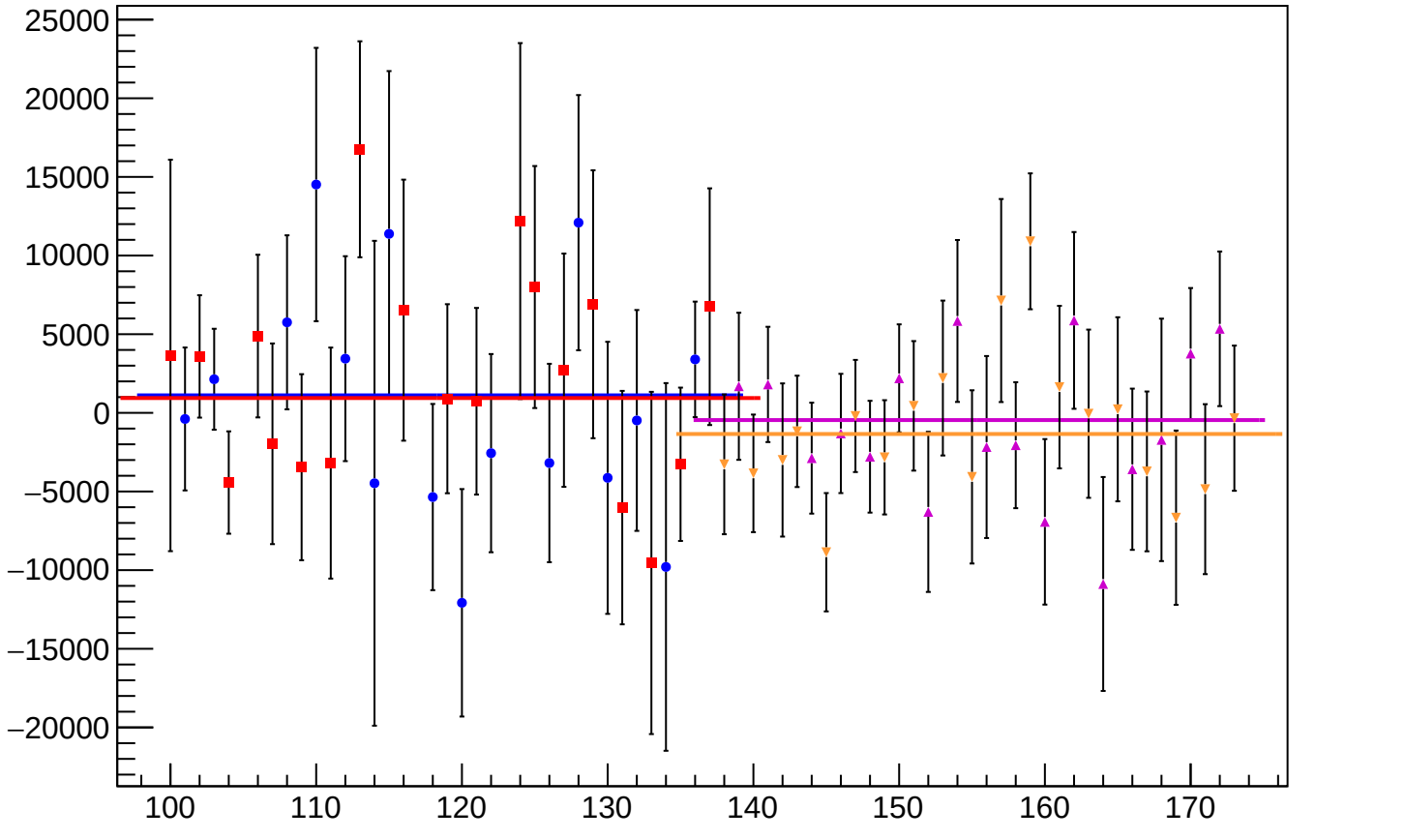
Left: 1829.135+/-0.240 χ^2/NDF: 32149.5/35

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1849.485+/-0.286 χ^2/NDF:724285.4/32

Out: 1846.644+/-0.277 χ^2/NDF:242367.7/37

All: 1848.020+/-0.199 χ^2/NDF: 966703.9/70



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -1344.744+/-1034.577 χ^2/NDF:17.8/18

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -458.994+/-1087.181 χ^2/NDF:13.2/16

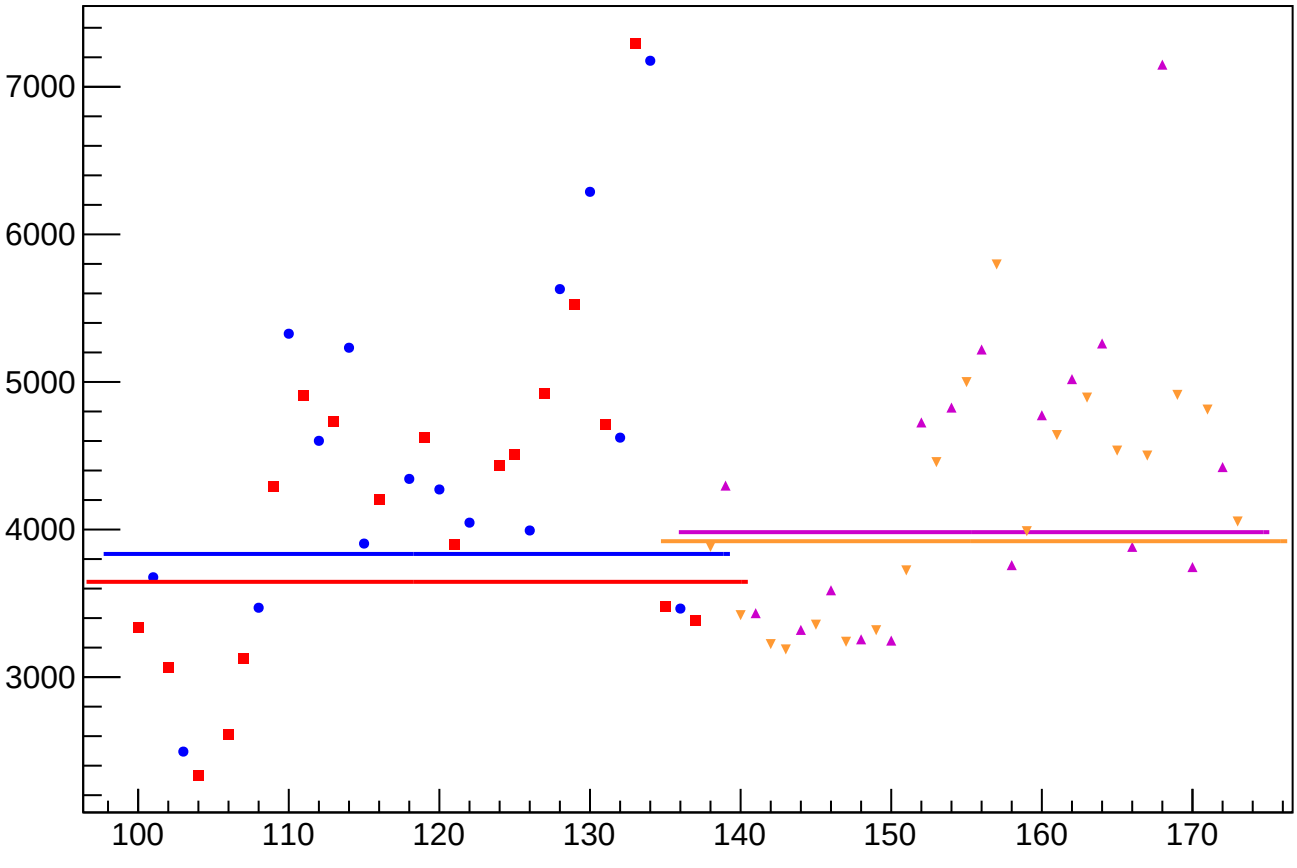
Left: -923.815+/-749.463 χ^2/NDF: 31.3/35

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 91.724+/-876.070 χ^2/NDF:27.3/32

Out: -536.746+/-831.829 χ^2/NDF:35.7/37

All: -238.780+/-603.226 χ^2/NDF: 63.3/70



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3921.023+/-0.732 χ^2/NDF:883981.8/18

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3982.309+/-0.769 χ^2/NDF:1060811.7/16

Left: 3950.147+/-0.530 χ^2/NDF: 1948128.6/35

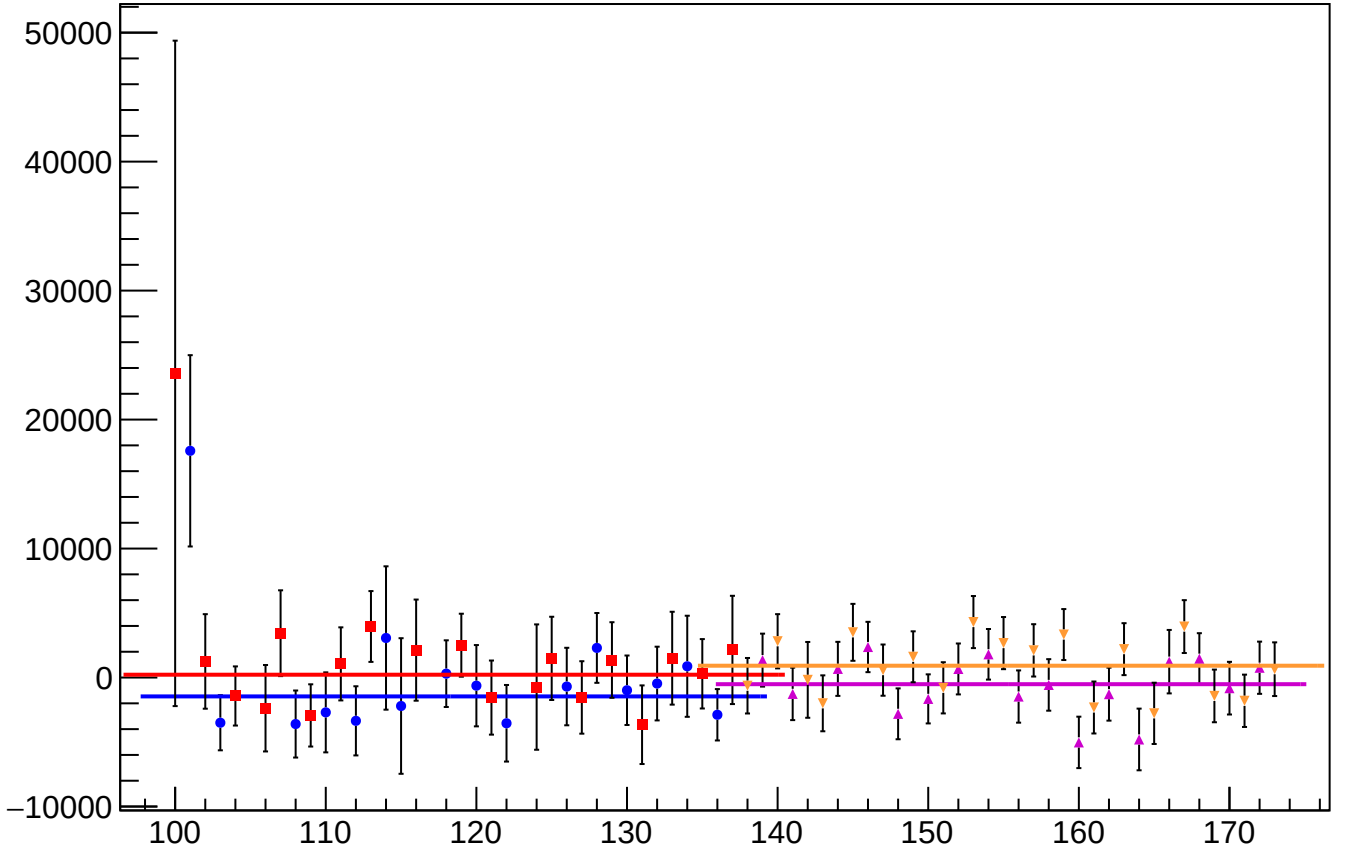
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3930.545+/-0.619 χ^2/NDF:2030053.7/32

Out: 3823.682+/-0.588 χ^2/NDF:2059042.7/37

All: 3874.347+/-0.427 χ^2/NDF: 4104745.9/70

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 917.623+/-479.345 χ^2/NDF:21.7/18

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: -514.804+/-494.948 χ^2/NDF:17.6/16

Left: 224.344+/-344.332 χ^2/NDF: 43.6/35

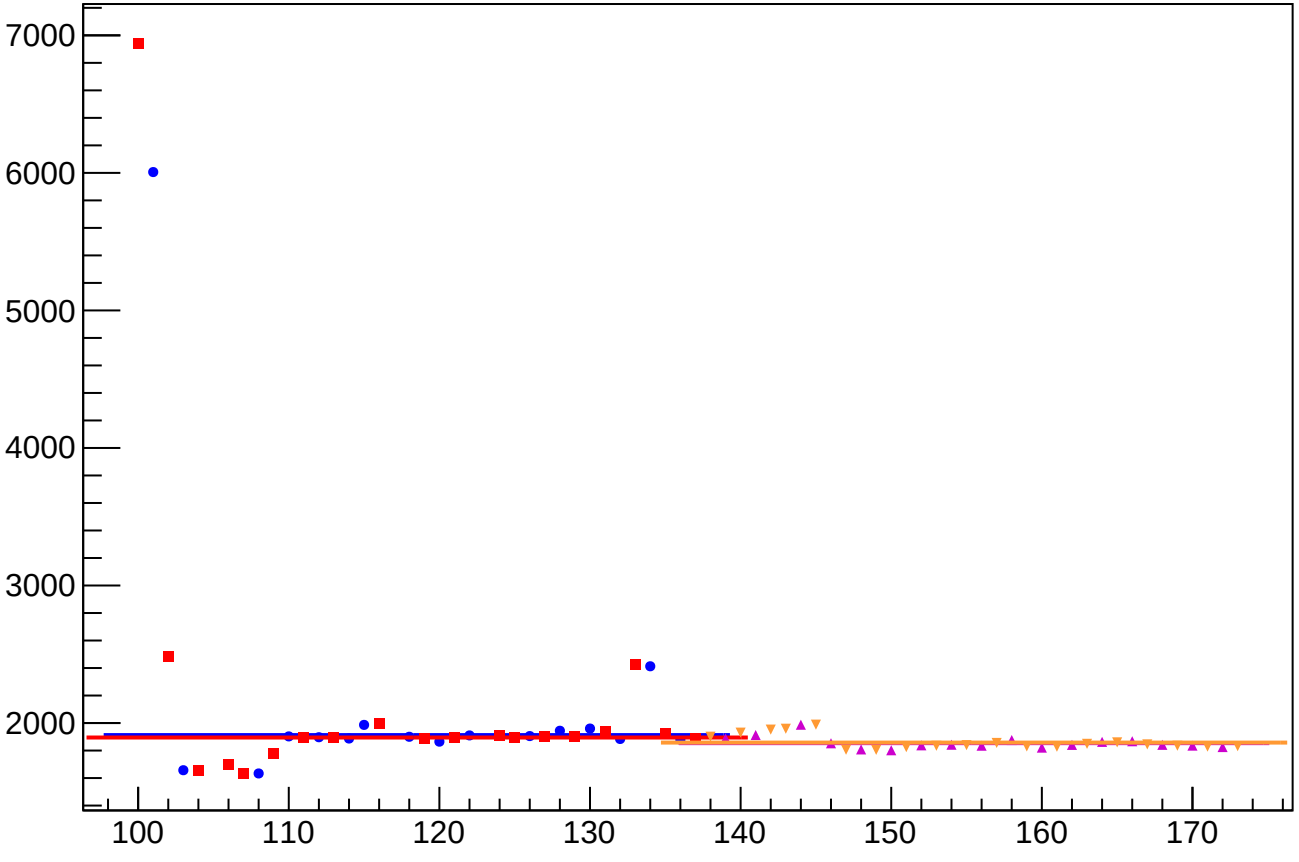
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -814.272+/-409.359 χ^2/NDF:32.3/32

Out: 698.629+/-397.078 χ^2/NDF:33.2/37

All: -34.789+/-285.019 χ^2/NDF: 72.5/70

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1857.902+/-0.339 χ^2/NDF:22273.8/18

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1853.732+/-0.350 χ^2/NDF:14930.3/16

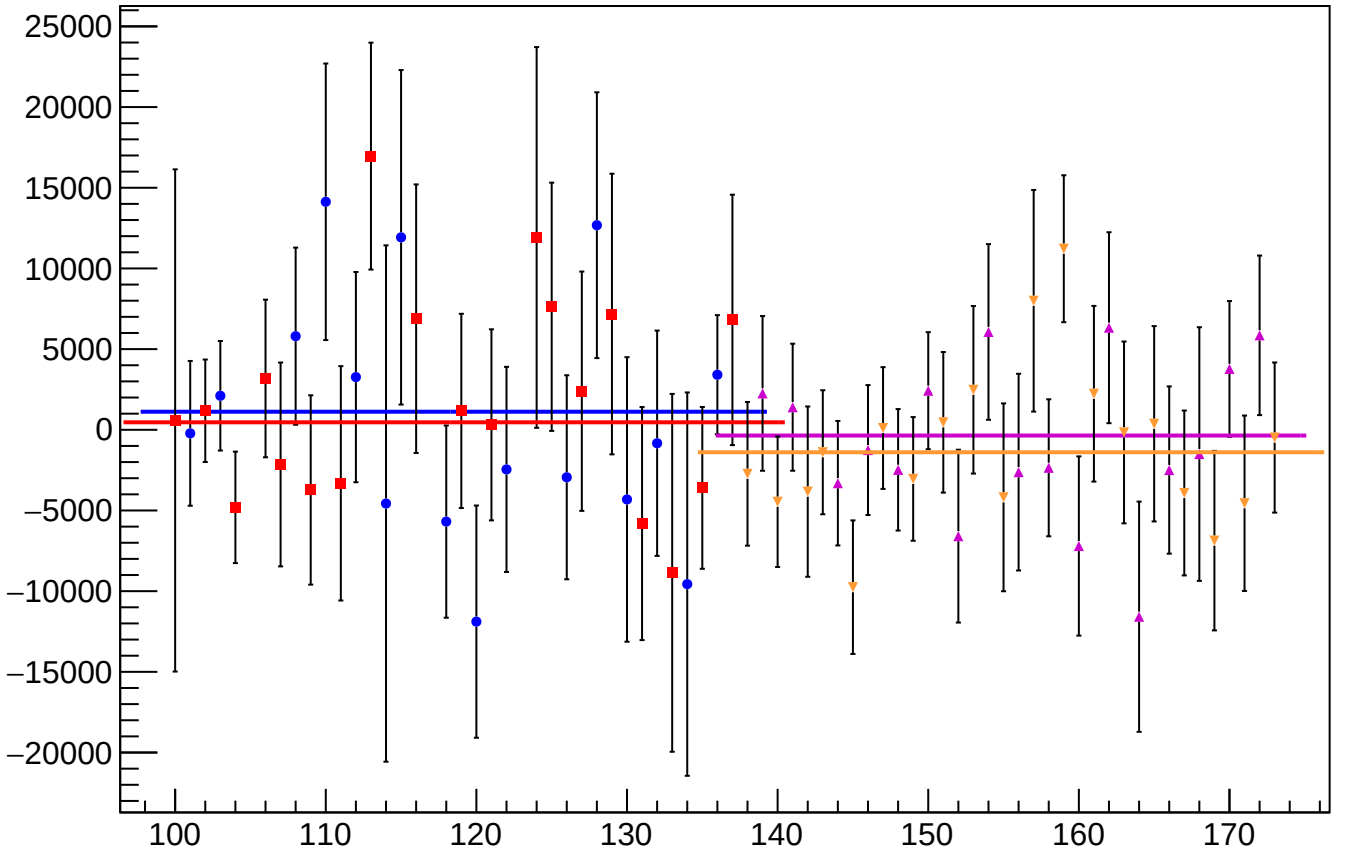
Left: 1855.884+/-0.243 χ^2/NDF: 37277.3/35

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1872.262+/-0.289 χ^2/NDF:720022.2/32

Out: 1869.486+/-0.281 χ^2/NDF:245772.2/37

All: 1870.831+/-0.202 χ^2/NDF: 965841.8/70



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -1392.177+/-1088.487 χ^2/NDF:18.0/18

Right Out: 464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: -356.423+/-1142.577 χ^2/NDF:13.1/16

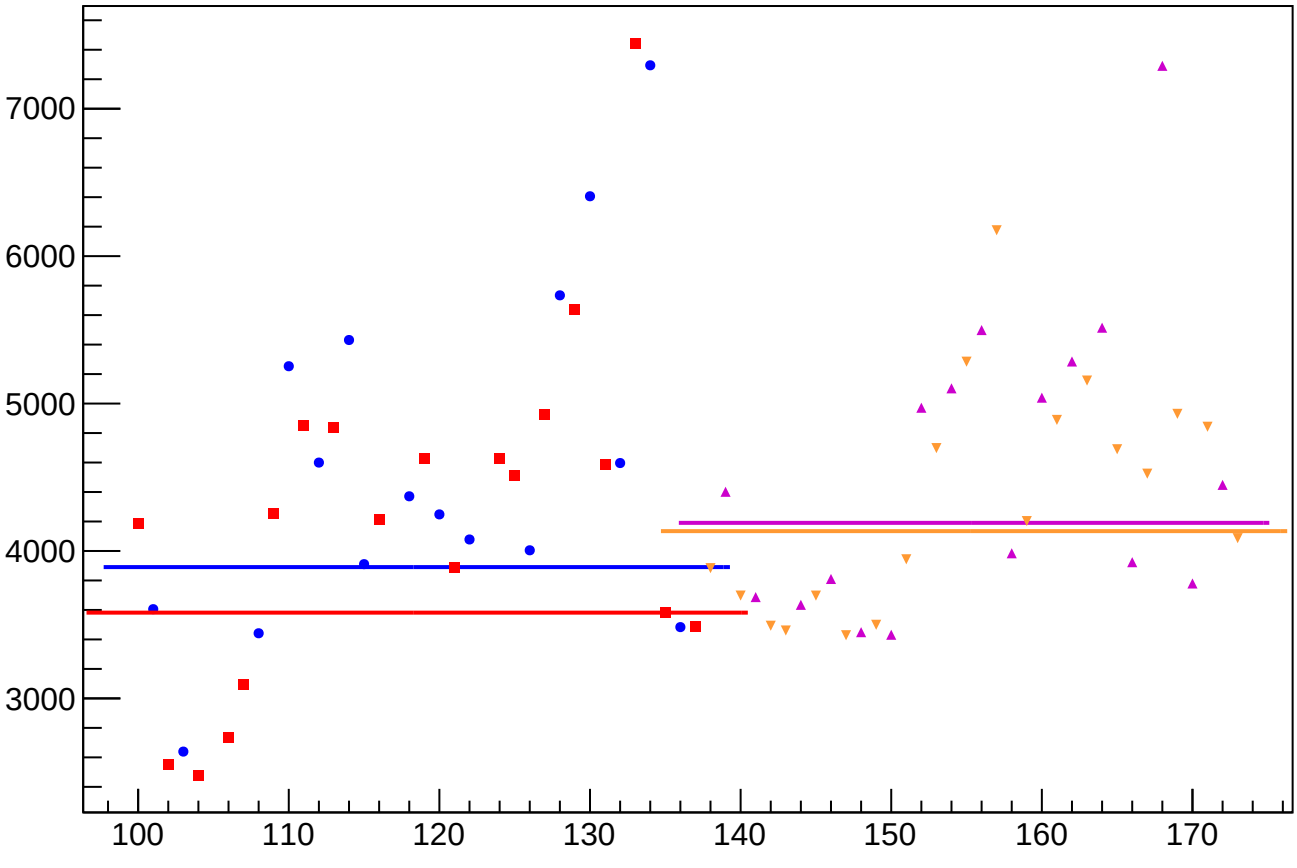
Left: -899.396+/-788.105 χ^2/NDF: 31.6/35

Right: 763.326+/-1011.192 χ^2/NDF: 28.6/34

In: 186.813+/-908.405 χ^2/NDF:27.2/32

Out: -674.266+/-852.437 χ^2/NDF:34.1/37

All: -271.068+/-621.609 χ^2/NDF: 61.8/70



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4134.654+/-0.770 χ^2/NDF:758373.1/18

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 4190.820+/-0.808 χ^2/NDF:981778.9/16

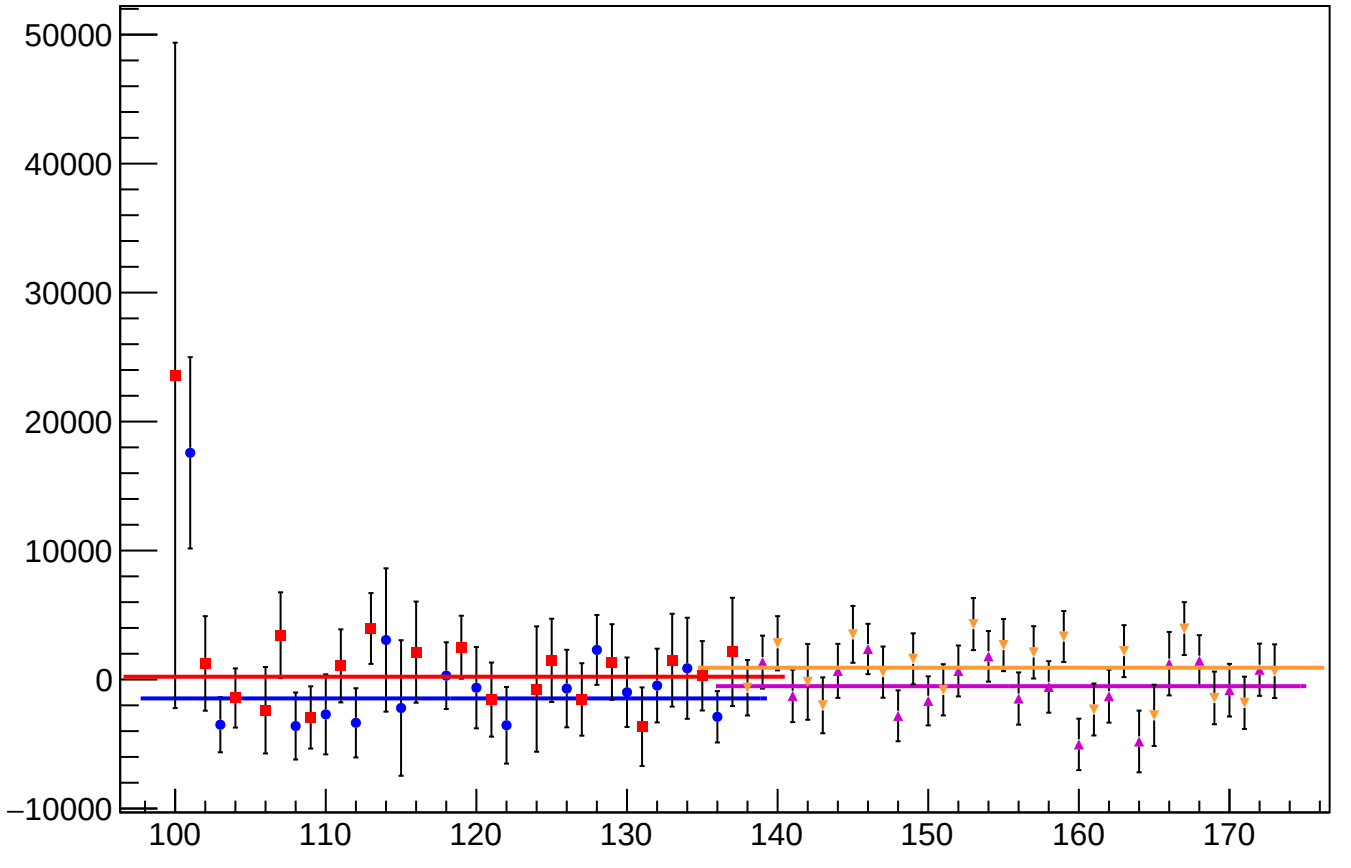
Left: 4161.376+/-0.557 χ^2/NDF: 1742685.4/35

Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 4080.410+/-0.642 χ^2/NDF:1910960.5/32

Out: 3920.862+/-0.603 χ^2/NDF:2179755.2/37

All: 3995.570+/-0.440 χ^2/NDF: 4123522.1/70



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 917.629+/-479.345 χ^2/NDF:21.7/18

Right Out: 219.720+/-708.852 χ^2/NDF: 10.8/18

Left In: -514.806+/-494.949 χ^2/NDF:17.6/16

Left: 224.346+/-344.332 χ^2/NDF: 43.6/35

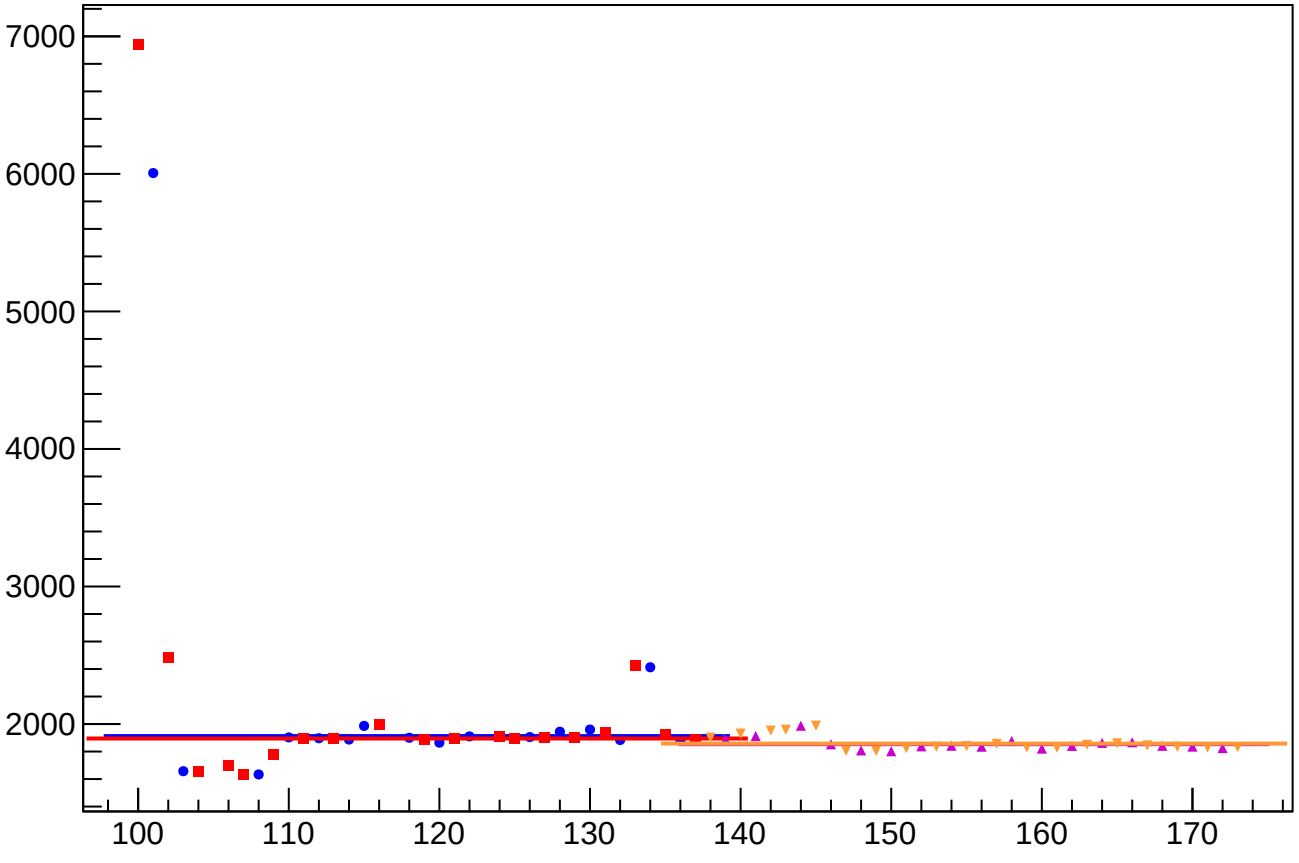
Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -814.276+/-409.359 χ^2/NDF:32.3/32

Out: 698.631+/-397.078 χ^2/NDF:33.2/37

All: -34.789+/-285.019 χ^2/NDF: 72.5/70

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1857.903+/-0.339 χ^2/NDF:22273.8/18

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1853.733+/-0.350 χ^2/NDF:14930.2/16

Left: 1855.885+/-0.243 χ^2/NDF: 37277.3/35

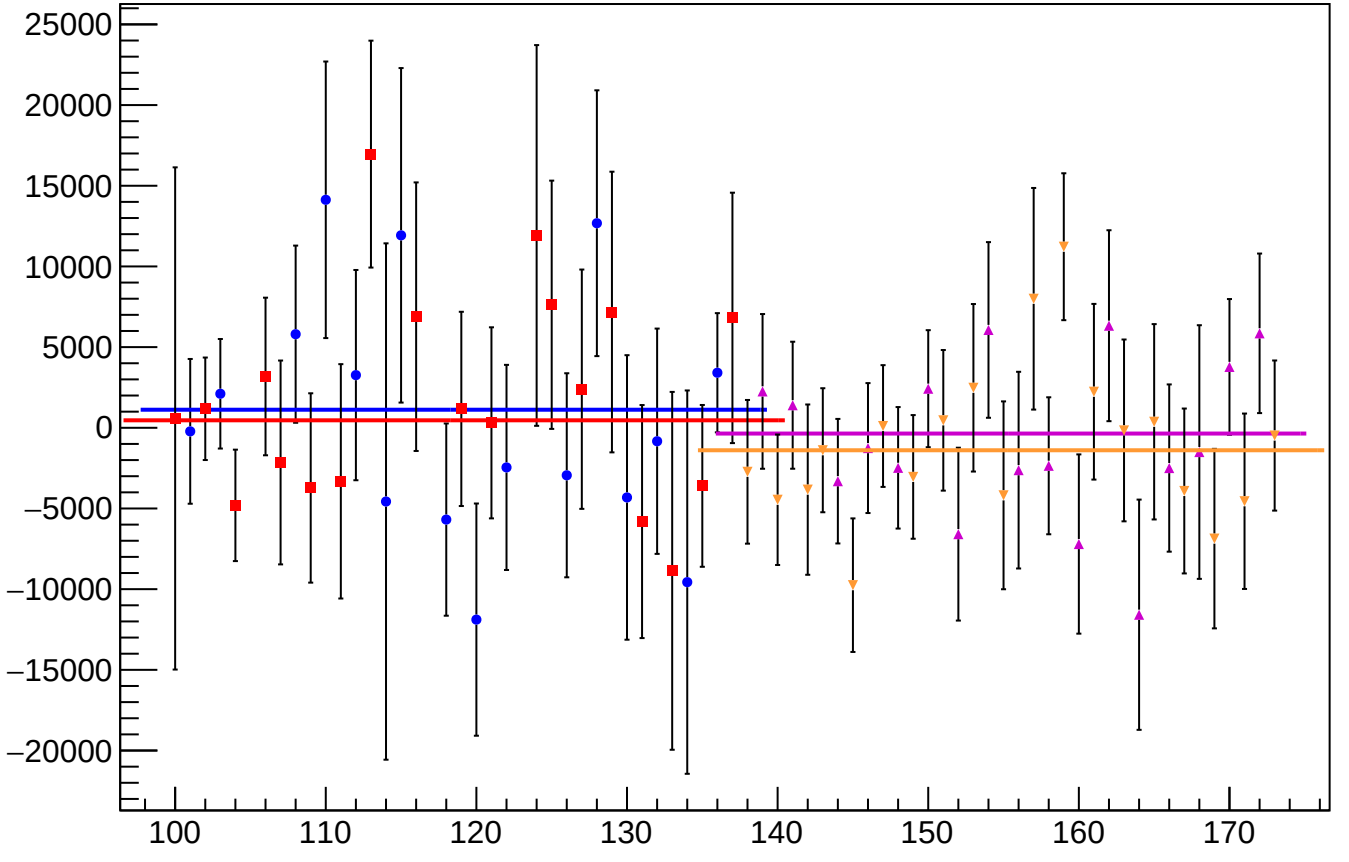
Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1872.262+/-0.289 χ^2/NDF:720021.7/32

Out: 1869.487+/-0.281 χ^2/NDF:245772.1/37

All: 1870.832+/-0.202 χ^2/NDF: 965841.2/70

asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -1392.177+/-1088.488 χ^2/NDF:18.0/18

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: -356.420+/-1142.579 χ^2/NDF:13.1/16

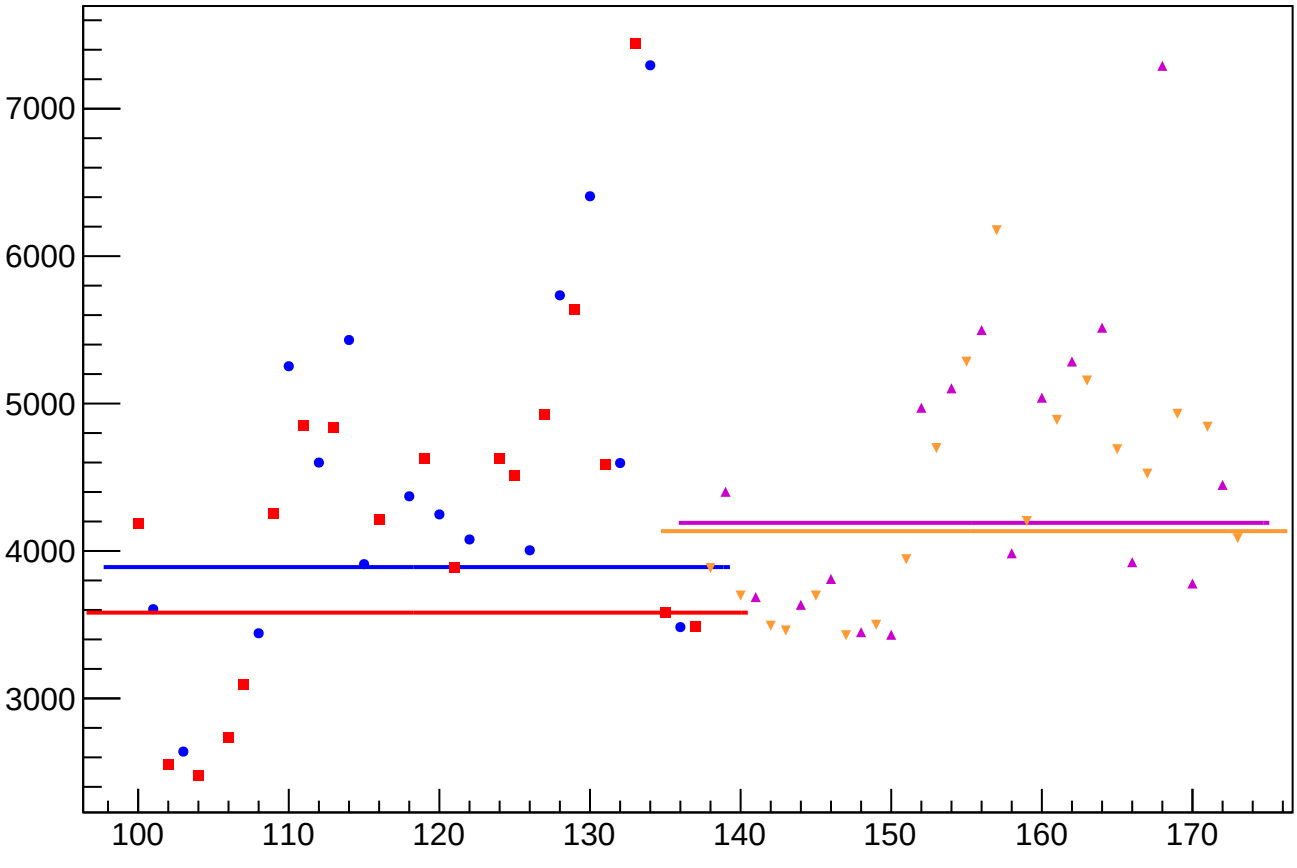
Left: -899.395+/-788.106 χ^2/NDF: 31.6/35

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

In: 186.811+/-908.405 χ^2/NDF:27.2/32

Out: -674.264+/-852.438 χ^2/NDF:34.1/37

All: -271.068+/-621.609 χ^2/NDF: 61.8/70



Right In: 3890.705+/-1.059 χ^2/NDF: 878409.2/15

Left Out: 4134.661+/-0.770 χ^2/NDF:758373.4/18

Right Out: 3581.777+/-0.969 χ^2/NDF: 1221846.6/18

Left In: 4190.826+/-0.808 χ^2/NDF:981781.3/16

Left: 4161.382+/-0.557 χ^2/NDF: 1742688.1/35

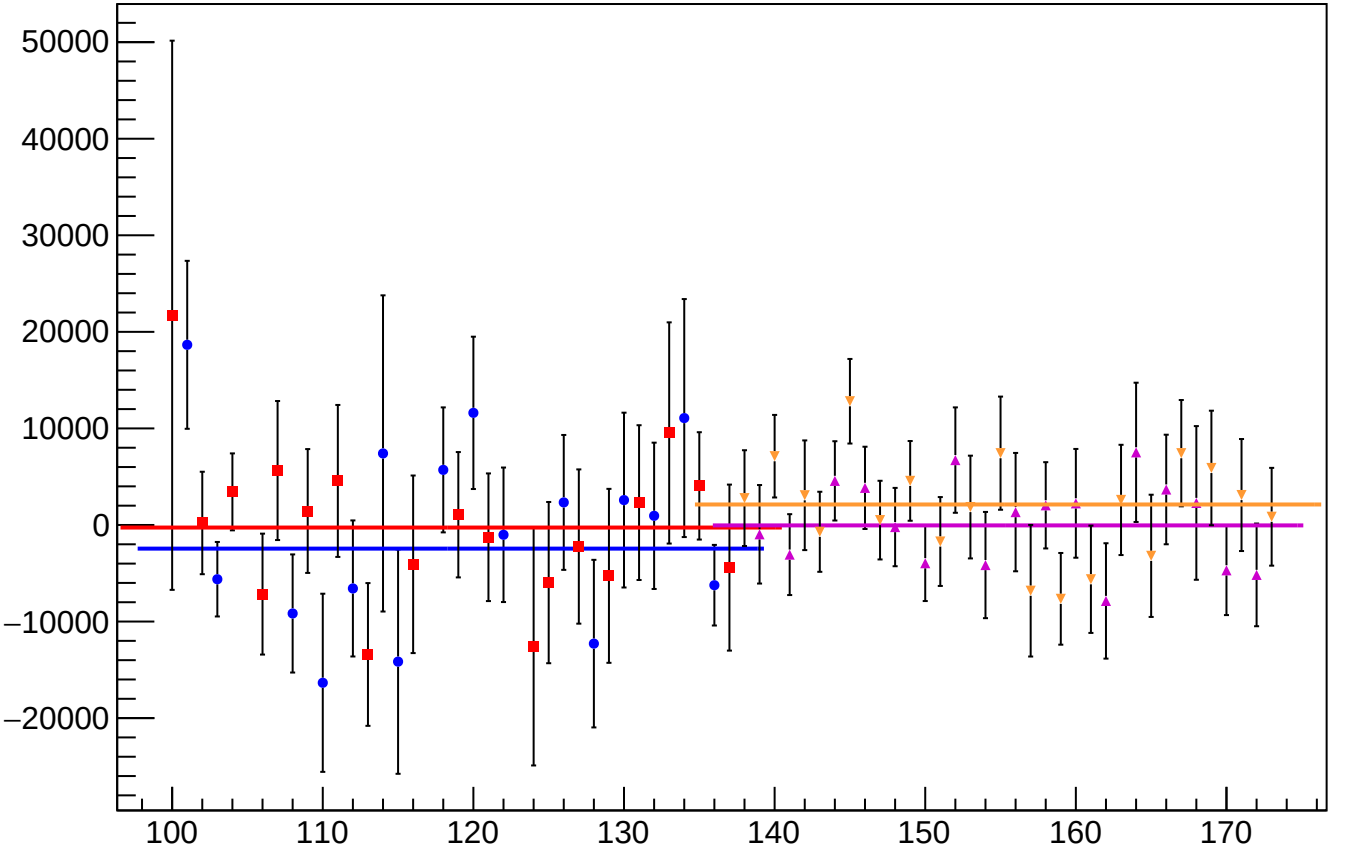
Right: 3722.606+/-0.715 χ^2/NDF: 2146560.1/34

In: 4080.412+/-0.642 χ^2/NDF:1910956.9/32

Out: 3920.864+/-0.603 χ^2/NDF:2179753.8/37

All: 3995.572+/-0.440 χ^2/NDF: 4123517.1/70

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 2123.176+/-1153.668 χ^2/NDF:19.9/18

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: -43.217+/-1206.779 χ^2/NDF:11.4/16

Left: 1088.699+/-833.910 χ^2/NDF: 33.0/35

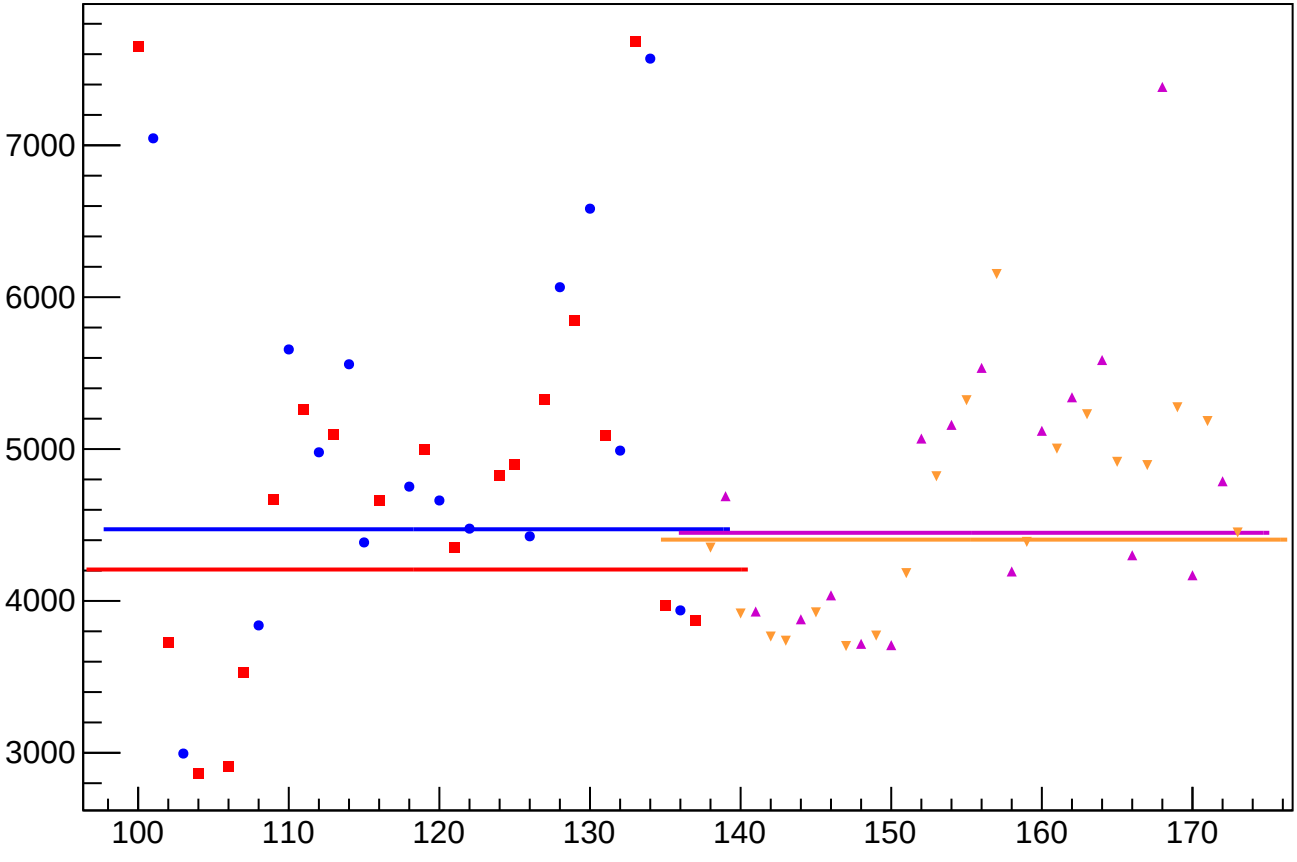
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -836.776+/-987.823 χ^2/NDF:33.6/32

Out: 1320.965+/-940.232 χ^2/NDF:32.0/37

All: 295.322+/-681.048 χ^2/NDF: 68.2/70

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4403.648+/-0.816 χ^2/NDF:604134.2/18

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4448.670+/-0.853 χ^2/NDF:768814.3/16

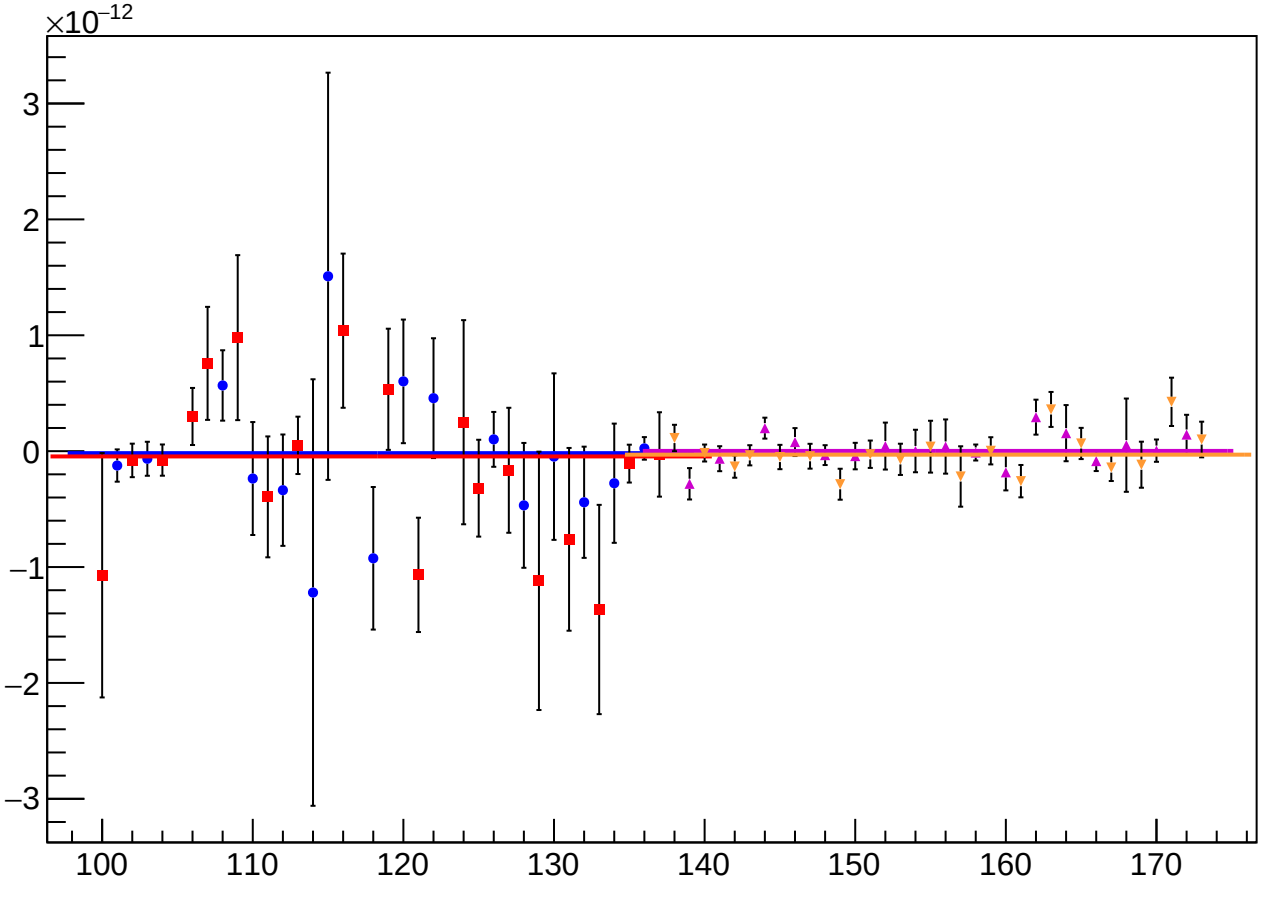
Left: 4425.147+/-0.590 χ^2/NDF: 1374403.0/35

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4456.336+/-0.698 χ^2/NDF:1660737.4/32

Out: 4336.865+/-0.663 χ^2/NDF:1470403.4/37

All: 4393.489+/-0.481 χ^2/NDF: 3146530.3/70



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.7/18

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: 0.000+/-0.000 χ^2/NDF:17.6/16

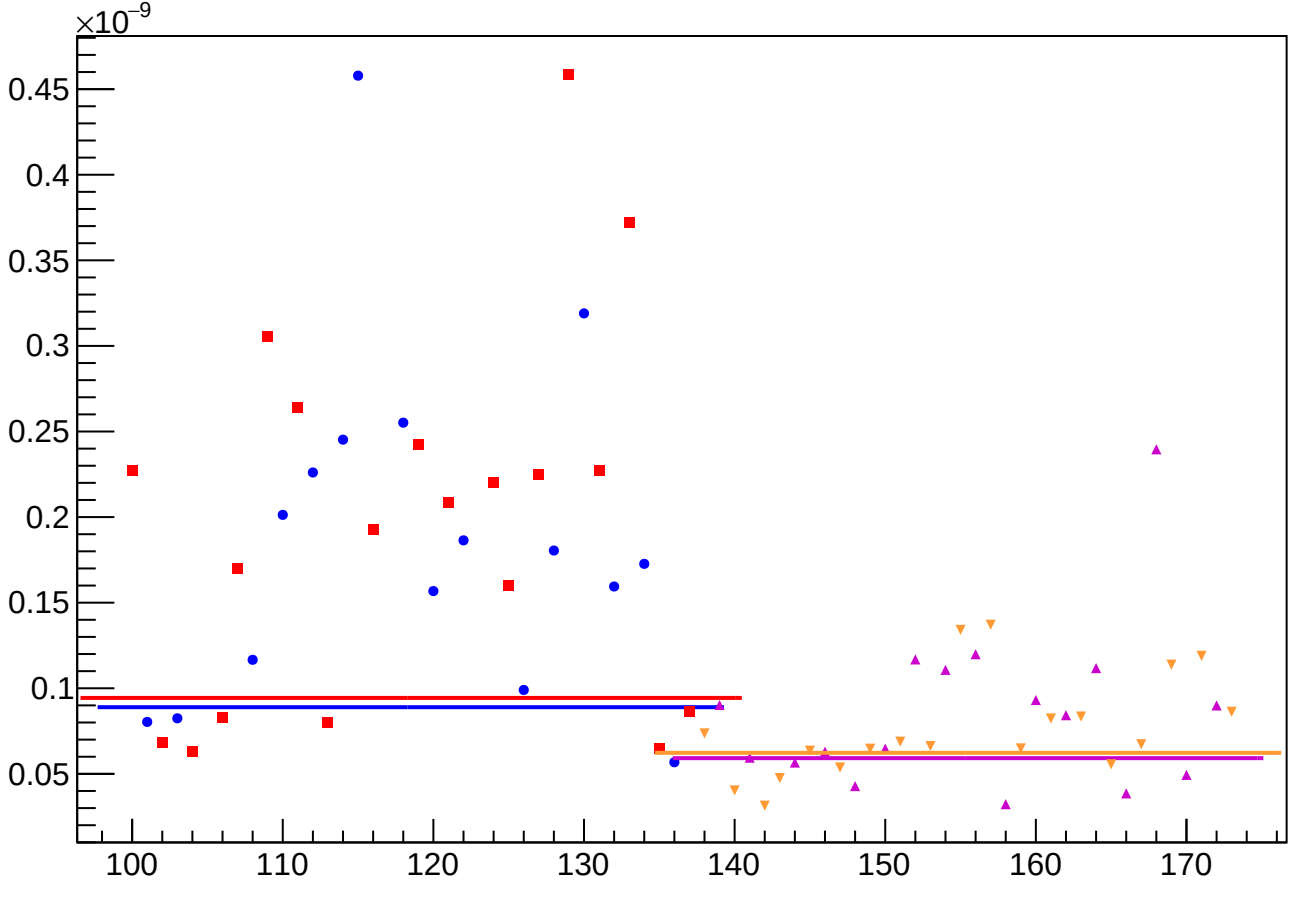
Left: -0.000+/-0.000 χ^2/NDF: 42.0/35

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: -0.000+/-0.000 χ^2/NDF:30.4/32

Out: -0.000+/-0.000 χ^2/NDF:45.0/37

All: -0.000+/-0.000 χ^2/NDF: 76.1/70



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1276274.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1791290.8/16

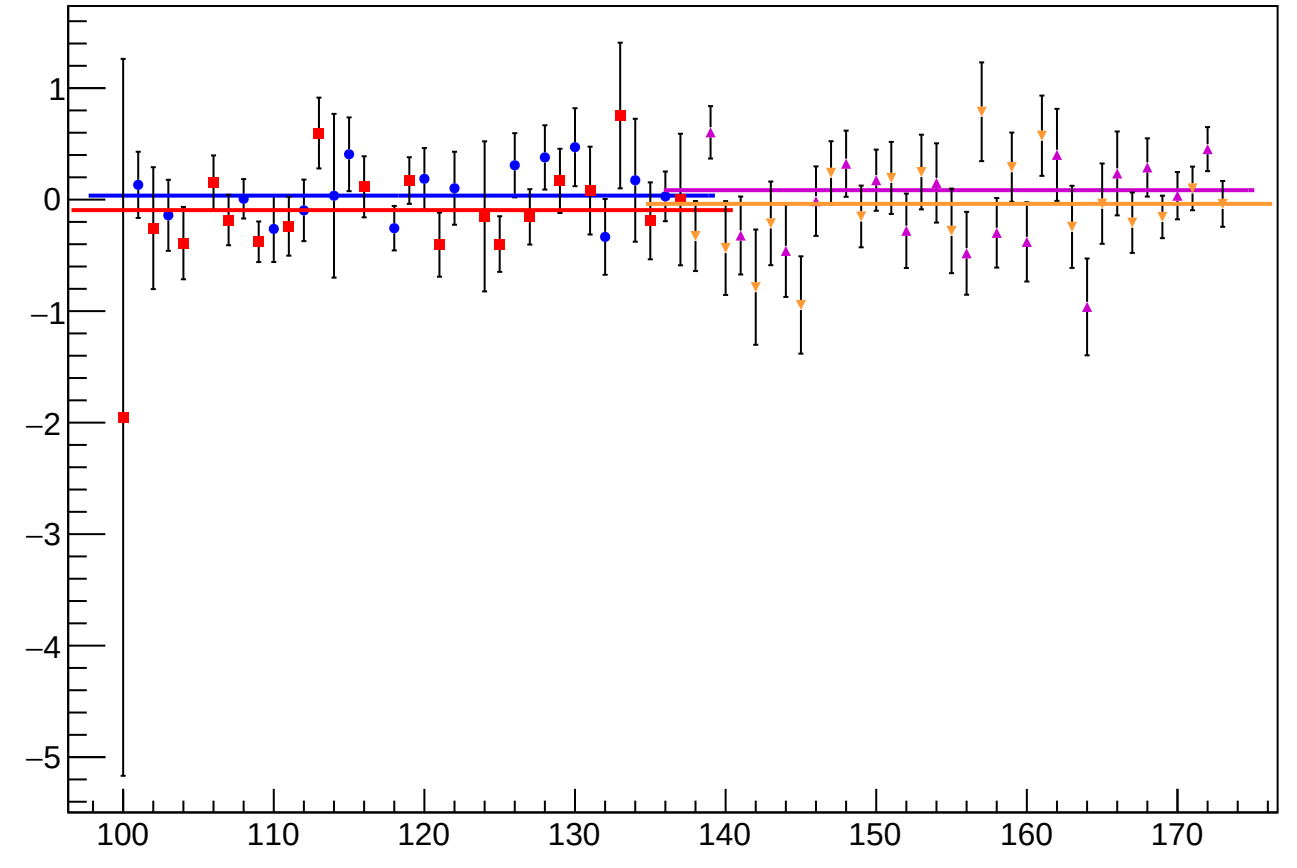
Left: 0.000+/-0.000 χ^2/NDF: 3079608.6/35

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:3406720.1/32

Out: 0.000+/-0.000 χ^2/NDF:3351350.1/37

All: 0.000+/-0.000 χ^2/NDF: 6766492.9/70



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.038+/-0.069 χ^2/NDF:20.2/18

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.085+/-0.073 χ^2/NDF:26.3/16

Left: 0.020+/-0.050 χ^2/NDF: 48.0/35

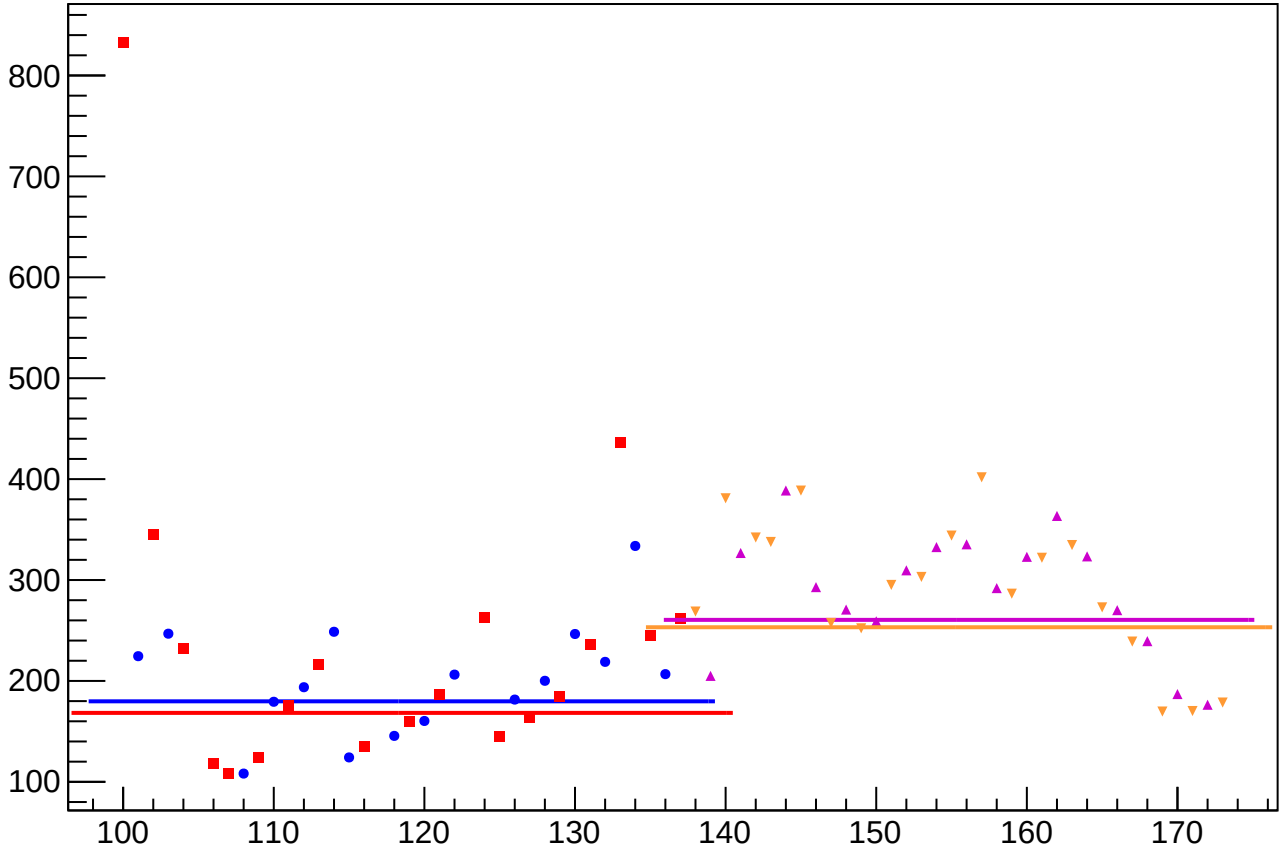
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.060+/-0.051 χ^2/NDF:37.0/32

Out: -0.067+/-0.048 χ^2/NDF:38.2/37

All: -0.007+/-0.035 χ^2/NDF: 78.5/70

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: 253.196+/-0.049 χ^2/NDF:2174562.1/18

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 260.518+/-0.051 χ^2/NDF:1473835.3/16

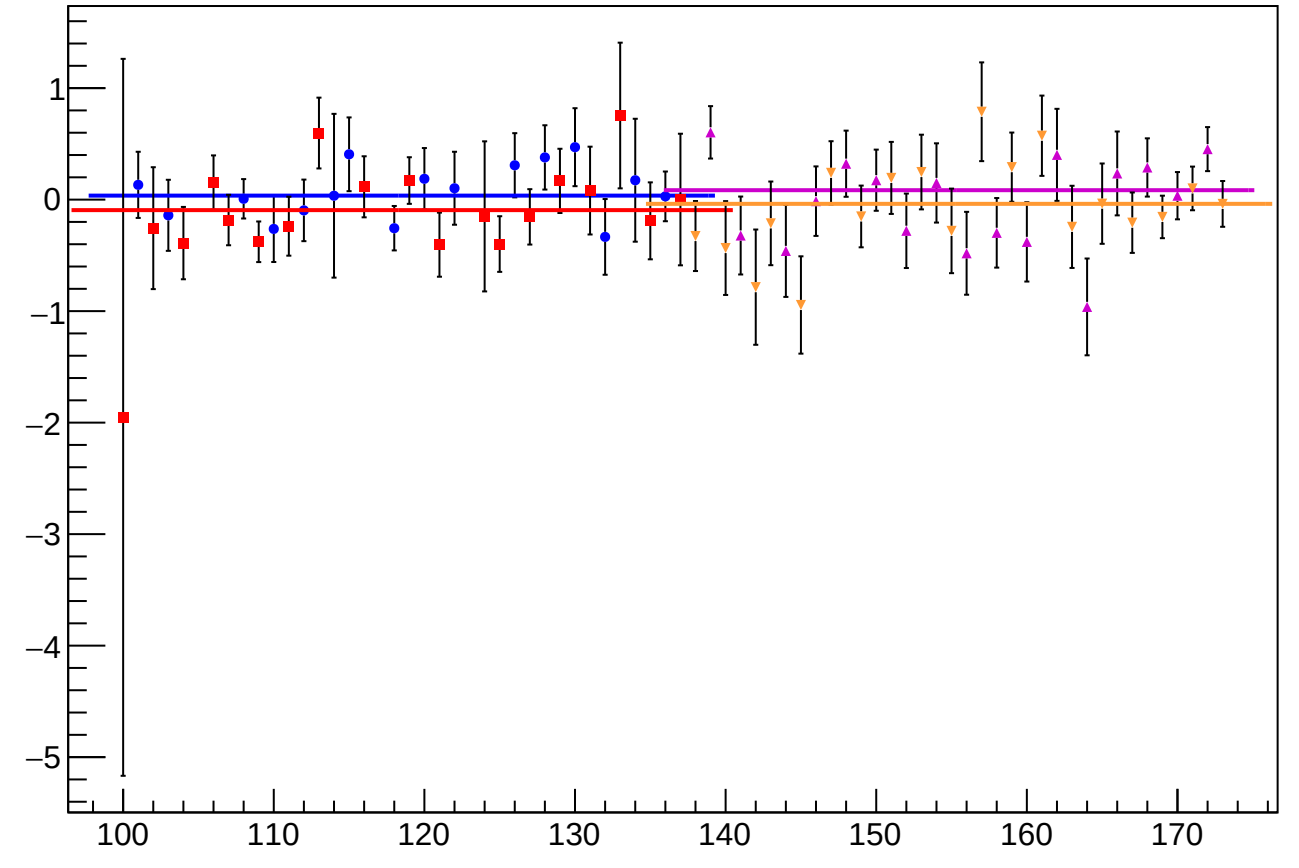
Left: 256.658+/-0.035 χ^2/NDF: 3659147.3/35

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 219.069+/-0.036 χ^2/NDF:3665169.3/32

Out: 210.118+/-0.034 χ^2/NDF:5134199.4/37

All: 214.377+/-0.025 χ^2/NDF: 8832200.2/70



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.038+/-0.069 χ^2/NDF:20.2/18

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.085+/-0.073 χ^2/NDF:26.3/16

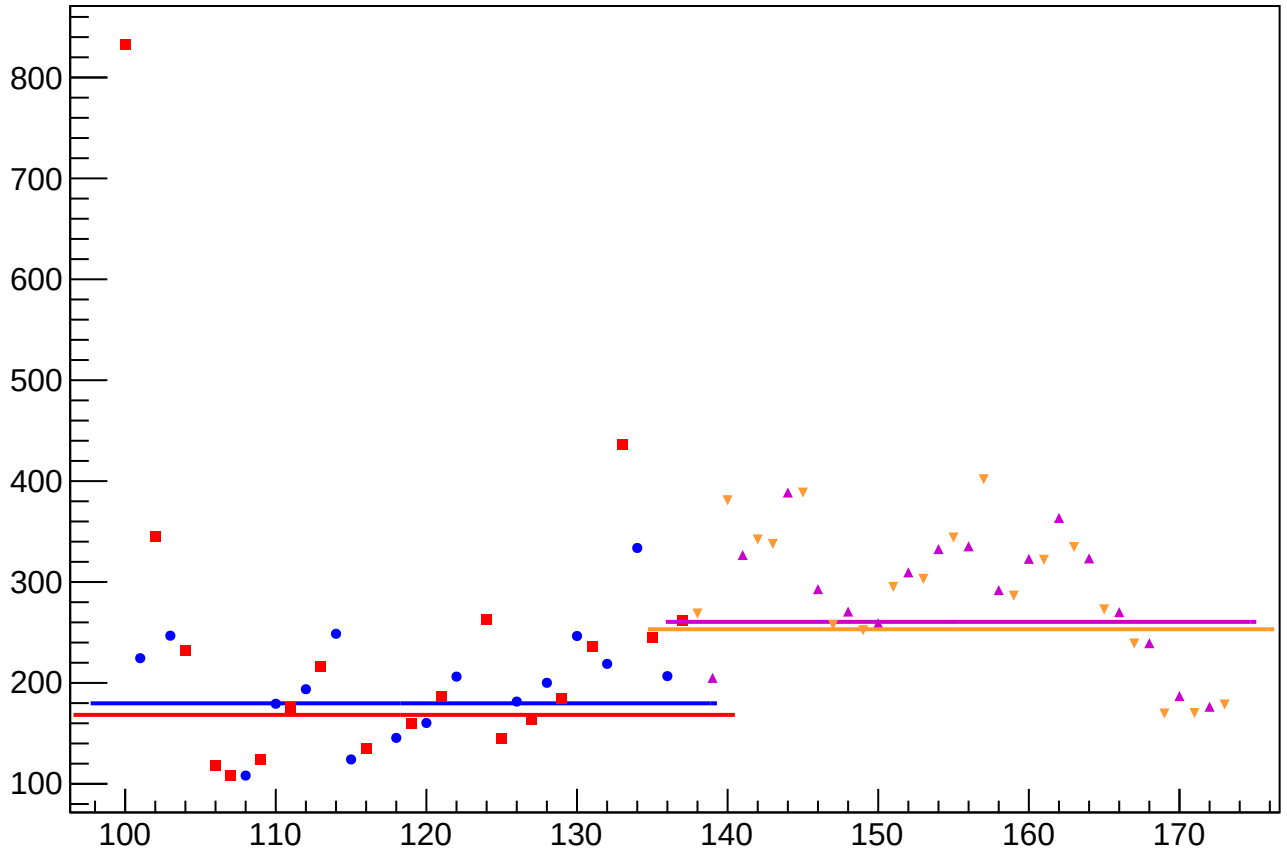
Left: 0.020+/-0.050 χ^2/NDF: 48.0/35

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.060+/-0.051 χ^2/NDF:37.0/32

Out: -0.067+/-0.048 χ^2/NDF:38.2/37

All: -0.007+/-0.035 χ^2/NDF: 78.5/70



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 253.196+/-0.049 χ^2/NDF:2174562.1/18

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 260.518+/-0.051 χ^2/NDF:1473835.3/16

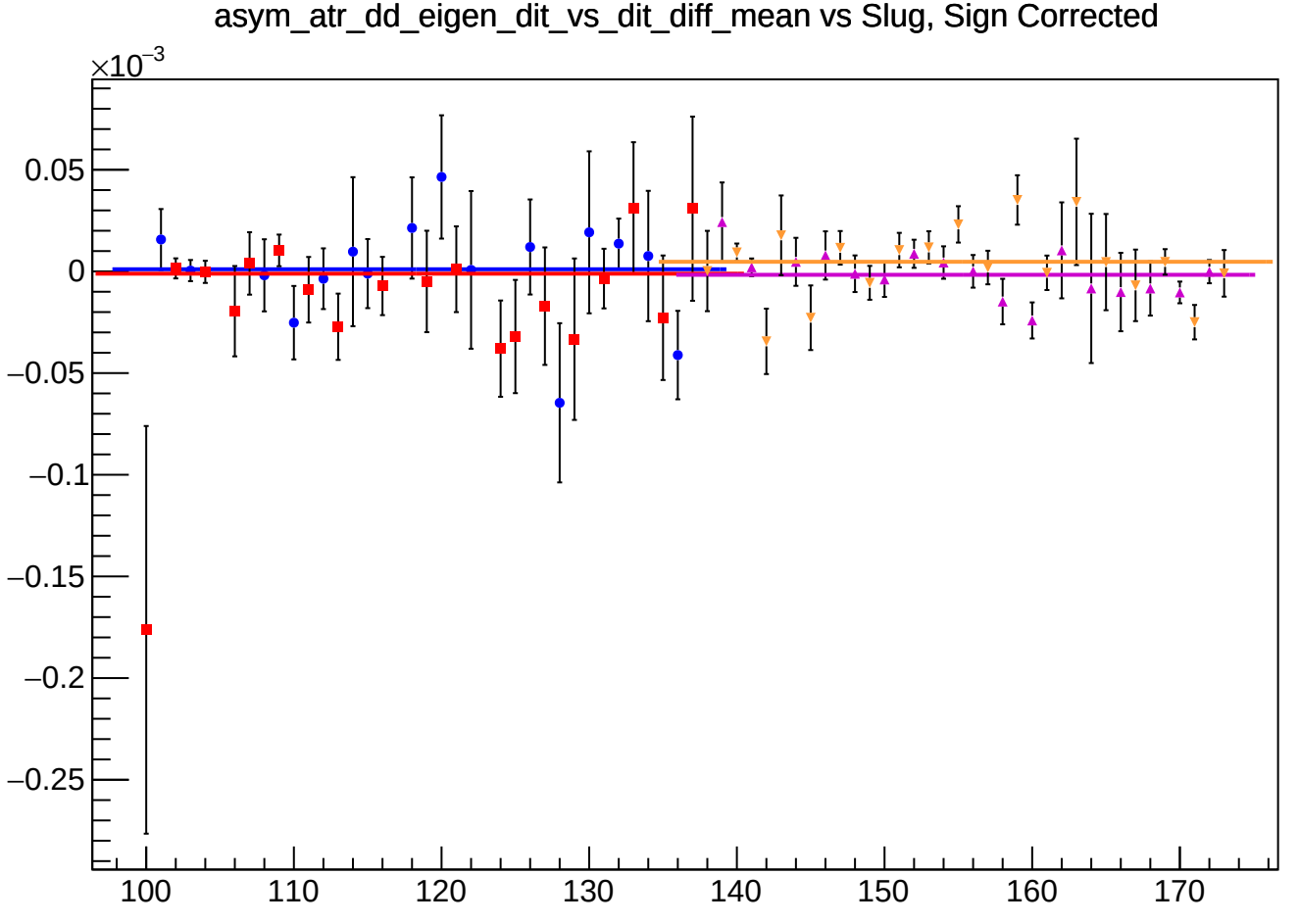
Left: 256.658+/-0.035 χ^2/NDF: 3659147.3/35

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 219.069+/-0.036 χ^2/NDF:3665169.3/32

Out: 210.118+/-0.034 χ^2/NDF:5134199.4/37

All: 214.377+/-0.025 χ^2/NDF: 8832200.2/70



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:38.9/18

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:17.6/16

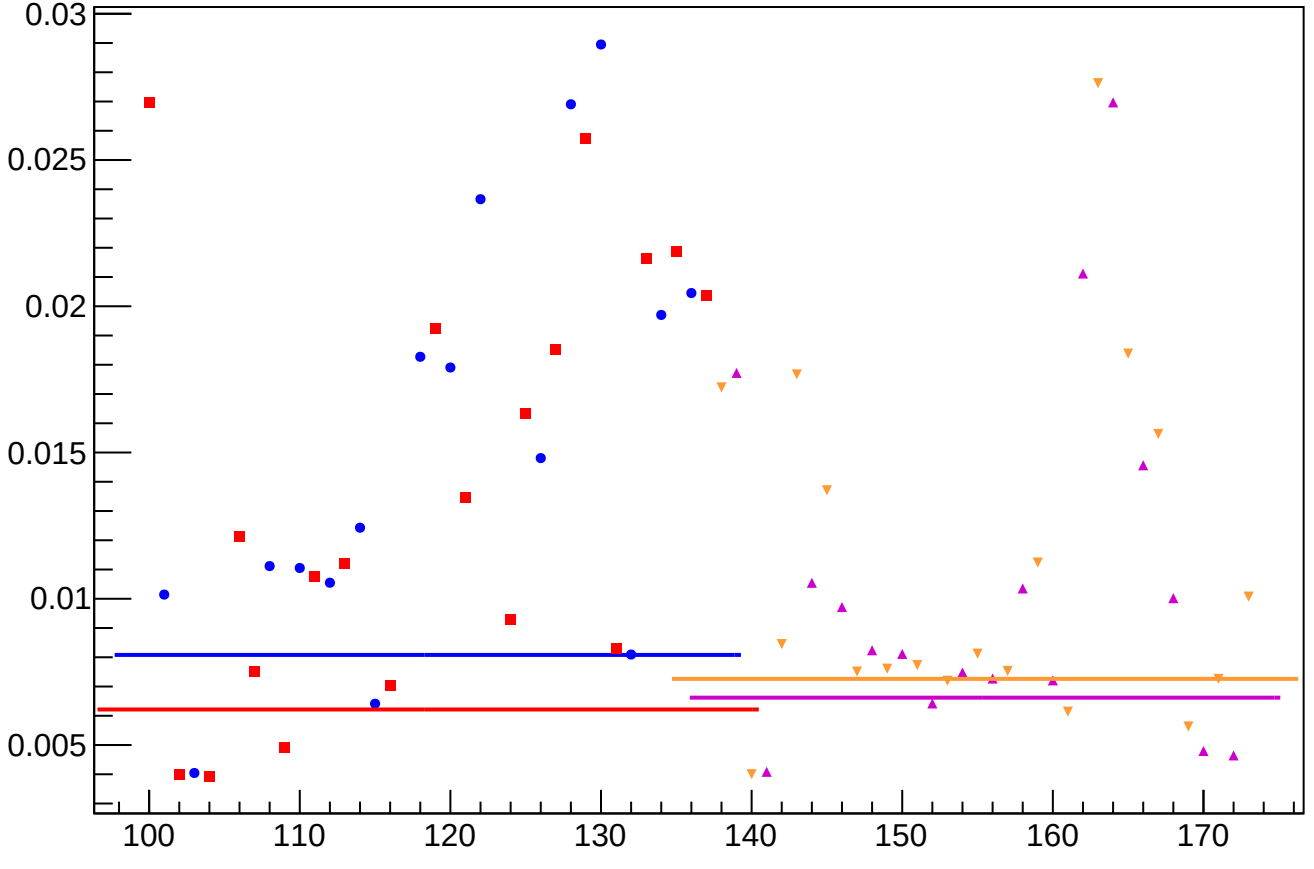
Left: 0.000+/-0.000 χ^2/NDF: 61.3/35

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:32.3/32

Out: 0.000+/-0.000 χ^2/NDF:57.7/37

All: 0.000+/-0.000 χ^2/NDF: 92.2/70



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:4815794.7/18

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.007+/-0.000 χ^2/NDF:4393665.7/16

Left: 0.007+/-0.000 χ^2/NDF: 9306478.3/35

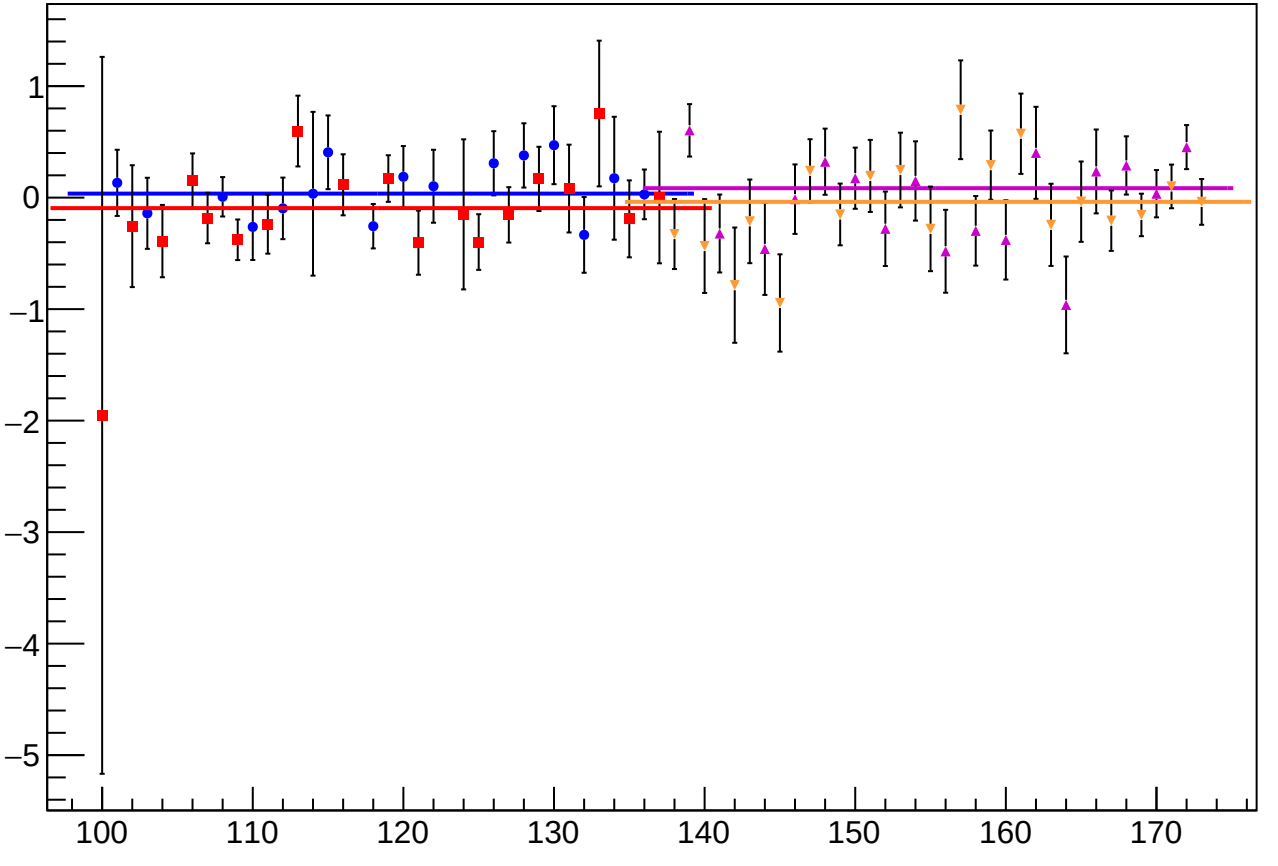
Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:9046229.1/32

Out: 0.007+/-0.000 χ^2/NDF:9554082.5/37

All: 0.007+/-0.000 χ^2/NDF: 18601802.2/70

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.038+/-0.069 χ^2/NDF:20.2/18

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.085+/-0.073 χ^2/NDF:26.3/16

Left: 0.020+/-0.050 χ^2/NDF: 48.0/35

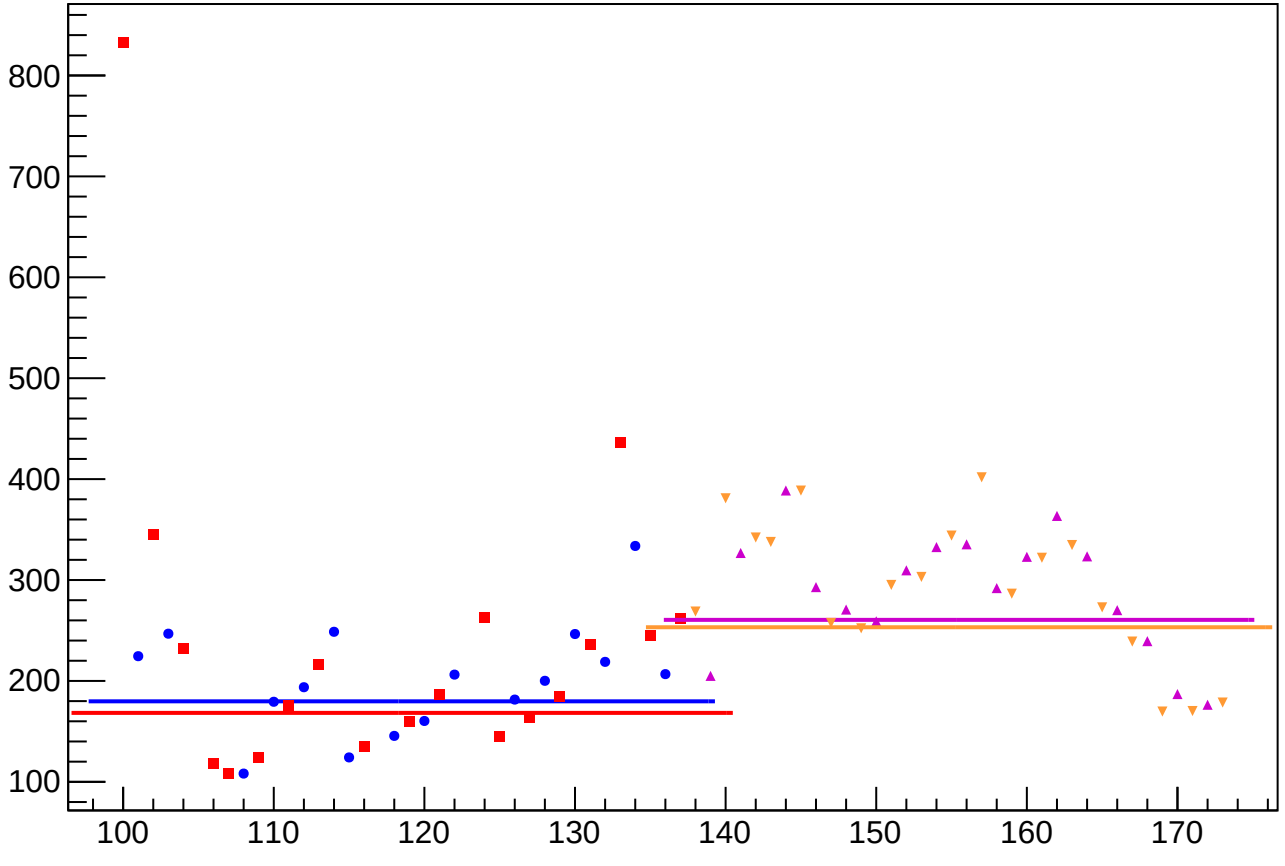
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.060+/-0.051 χ^2/NDF:37.0/32

Out: -0.067+/-0.048 χ^2/NDF:38.2/37

All: -0.007+/-0.035 χ^2/NDF: 78.5/70

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: 253.198+/-0.049 χ^2/NDF:2174691.3/18

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 260.521+/-0.051 χ^2/NDF:1473874.0/16

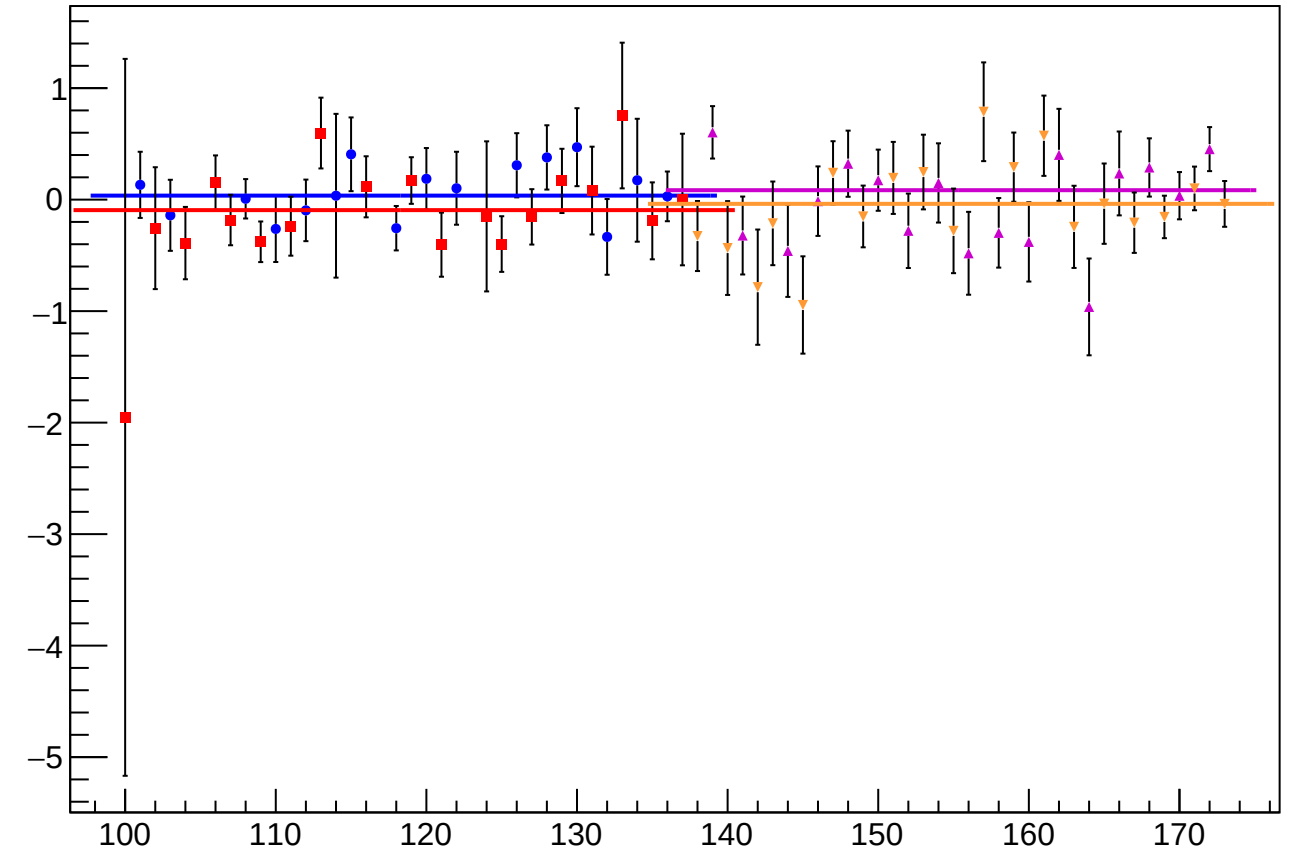
Left: 256.660+/-0.035 χ^2/NDF: 3659319.7/35

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 219.068+/-0.036 χ^2/NDF:3665434.2/32

Out: 210.119+/-0.034 χ^2/NDF:5134377.8/37

All: 214.377+/-0.025 χ^2/NDF: 8832635.6/70



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.038+/-0.069 χ^2/NDF:20.2/18

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.085+/-0.073 χ^2/NDF:26.3/16

Left: 0.020+/-0.050 χ^2/NDF: 48.0/35

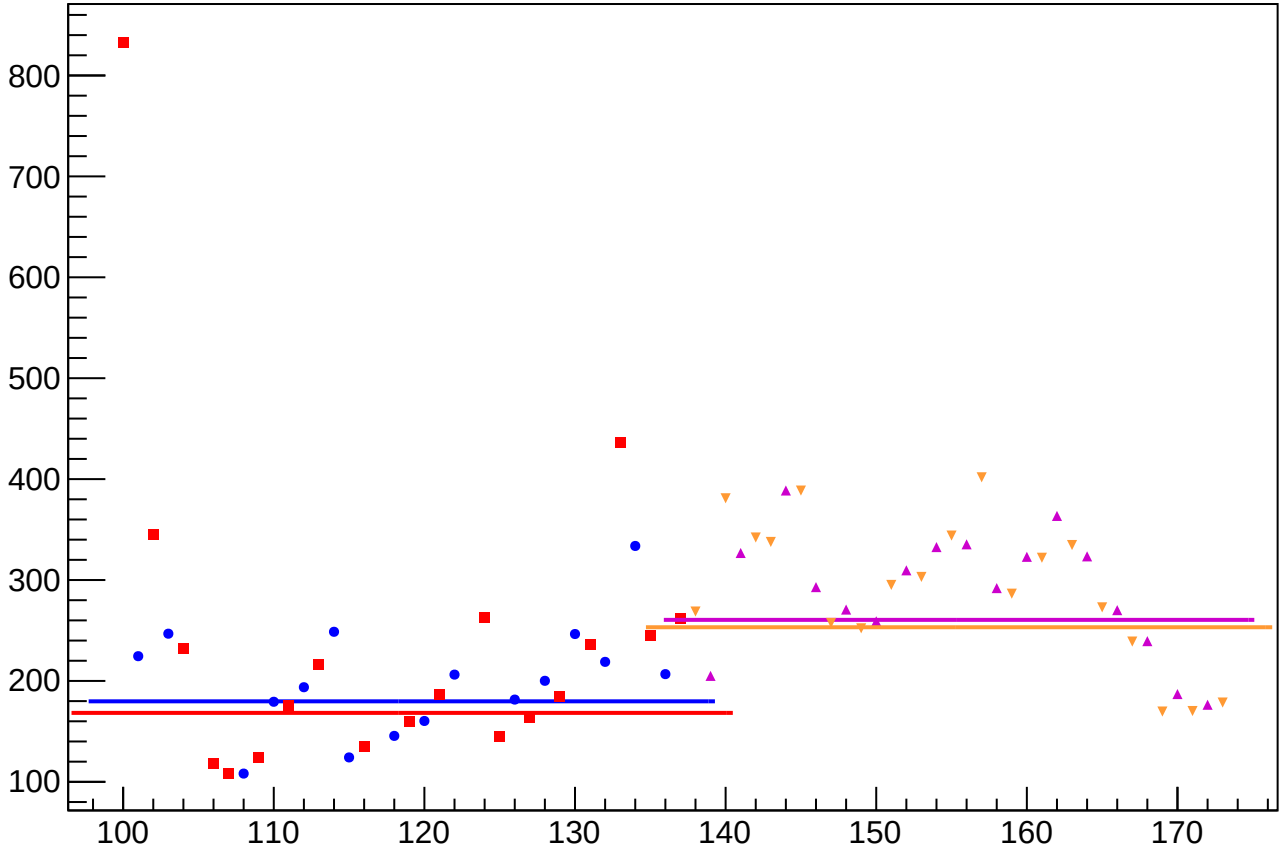
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.060+/-0.051 χ^2/NDF:37.0/32

Out: -0.067+/-0.048 χ^2/NDF:38.2/37

All: -0.007+/-0.035 χ^2/NDF: 78.5/70

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: 253.198+/-0.049 χ^2/NDF:2174691.3/18

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 260.521+/-0.051 χ^2/NDF:1473874.0/16

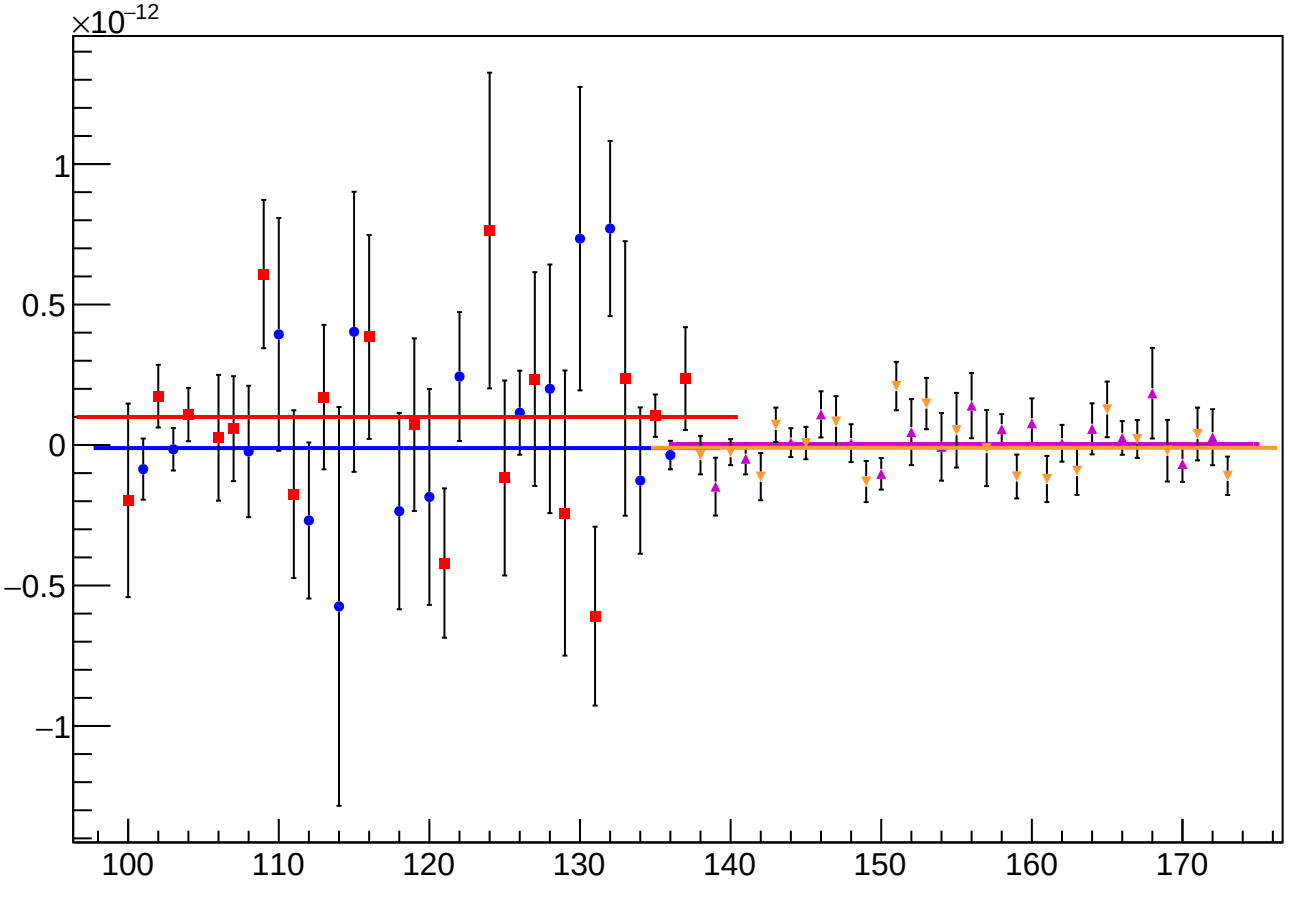
Left: 256.660+/-0.035 χ^2/NDF: 3659319.7/35

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 219.068+/-0.036 χ^2/NDF:3665434.2/32

Out: 210.119+/-0.034 χ^2/NDF:5134377.8/37

All: 214.377+/-0.025 χ^2/NDF: 8832635.6/70



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:14.5/16

Left: -0.000+/-0.000 χ^2/NDF: 40.8/35

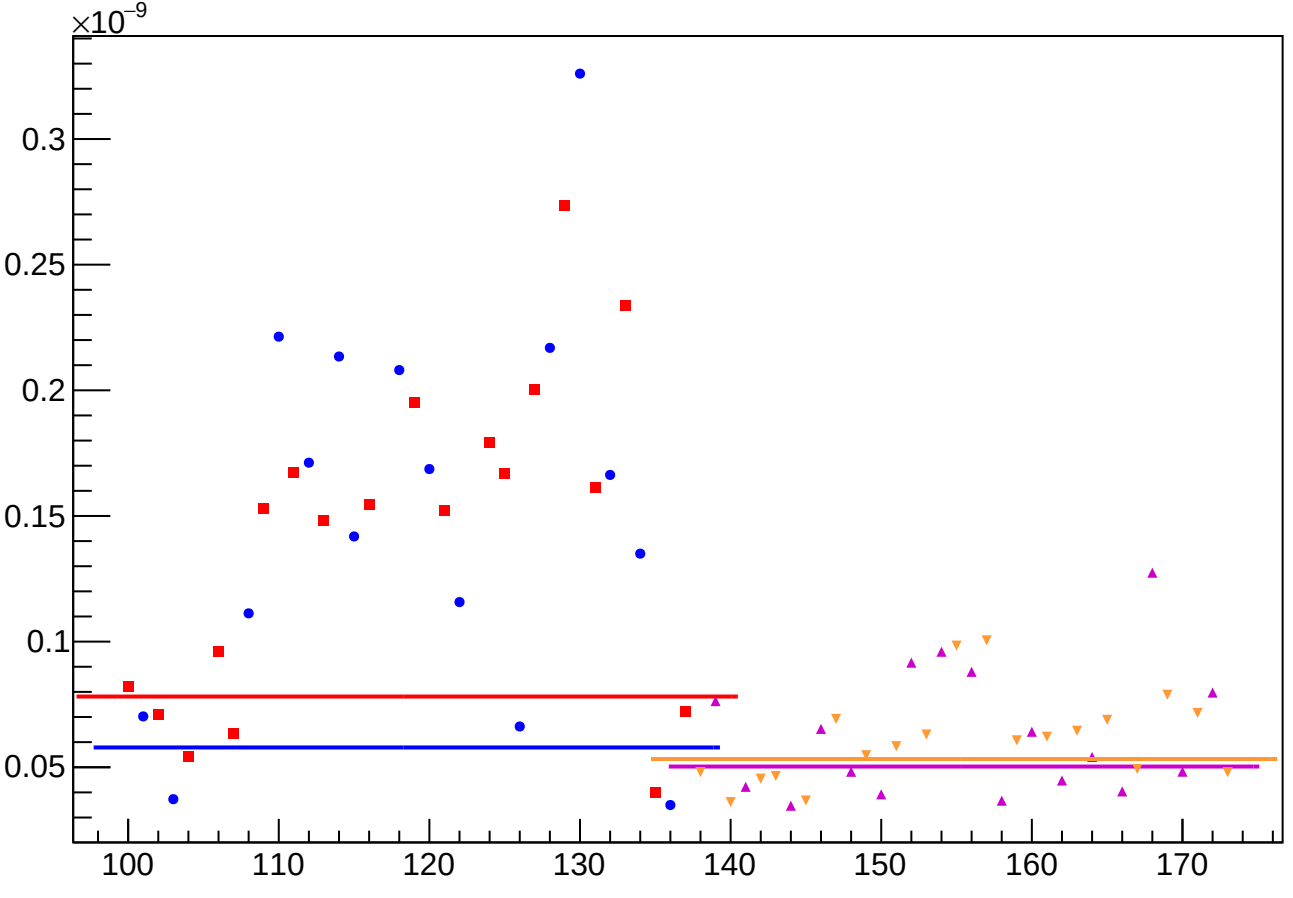
Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:29.7/32

Out: 0.000+/-0.000 χ^2/NDF:50.2/37

All: 0.000+/-0.000 χ^2/NDF: 80.0/70

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1389408.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2133304.5/16

Left: 0.000+/-0.000 χ^2/NDF: 3551688.2/35

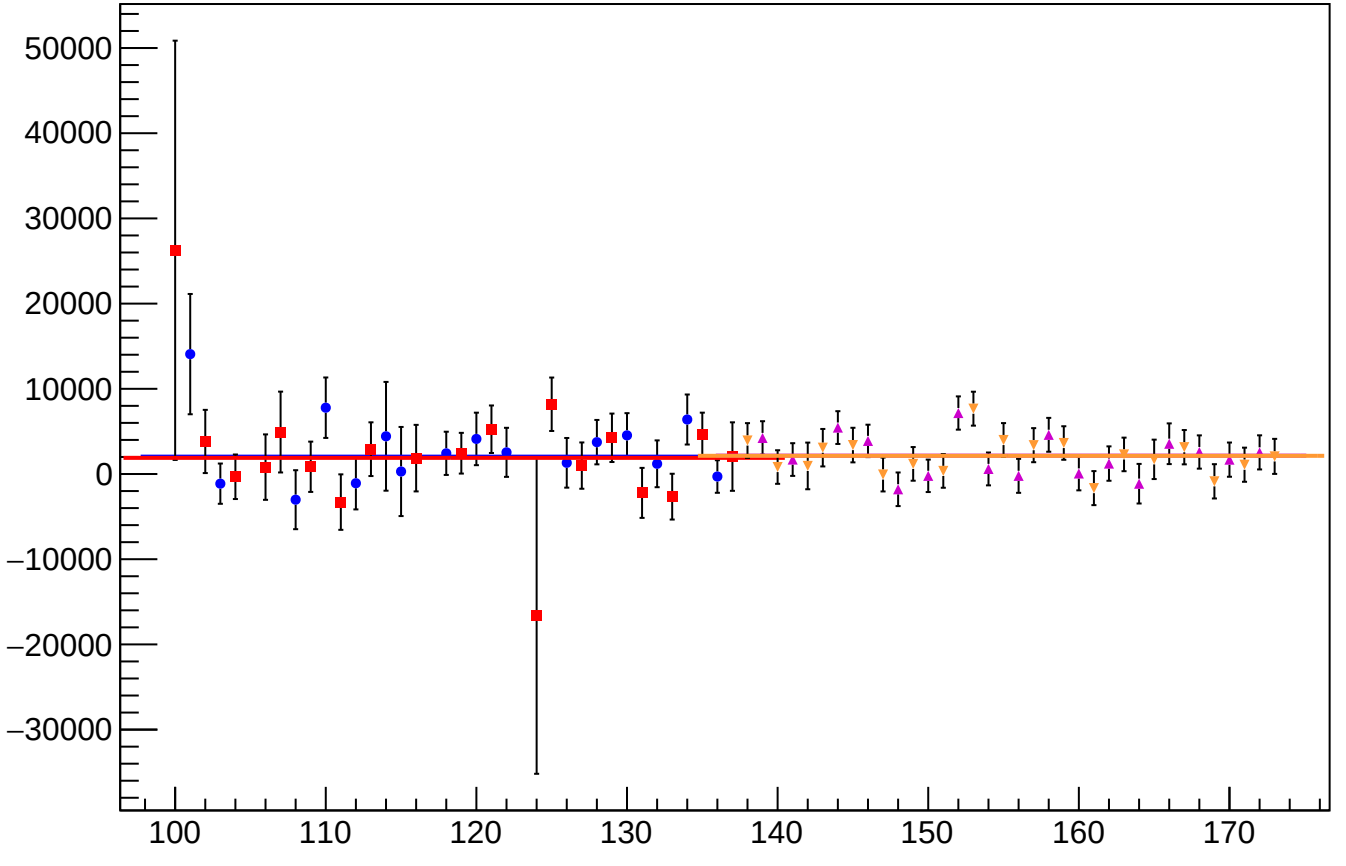
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:5530411.5/32

Out: 0.000+/-0.000 χ^2/NDF:4714967.9/37

All: 0.000+/-0.000 χ^2/NDF: 10348759.2/70

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2135.747+/-469.534 χ^2/NDF:20.2/18

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 2154.160+/-484.145 χ^2/NDF:24.5/16

Left: 2144.672+/-337.058 χ^2/NDF: 44.6/35

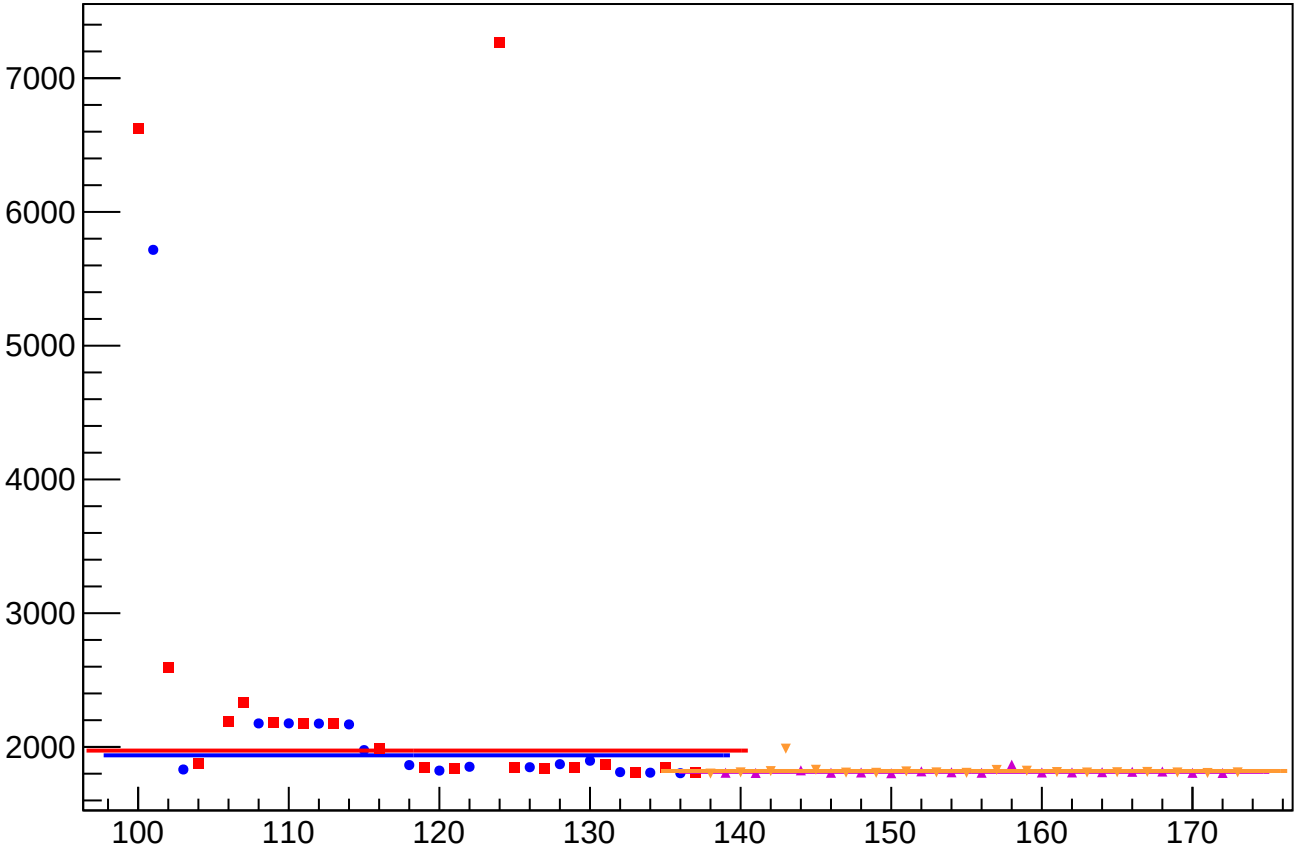
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2119.457+/-404.515 χ^2/NDF:40.9/32

Out: 2066.281+/-395.961 χ^2/NDF:38.8/37

All: 2092.301+/-282.962 χ^2/NDF: 79.7/70

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1820.205+/-0.332 χ^2/NDF:12536.8/18

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1813.729+/-0.342 χ^2/NDF:1786.5/16

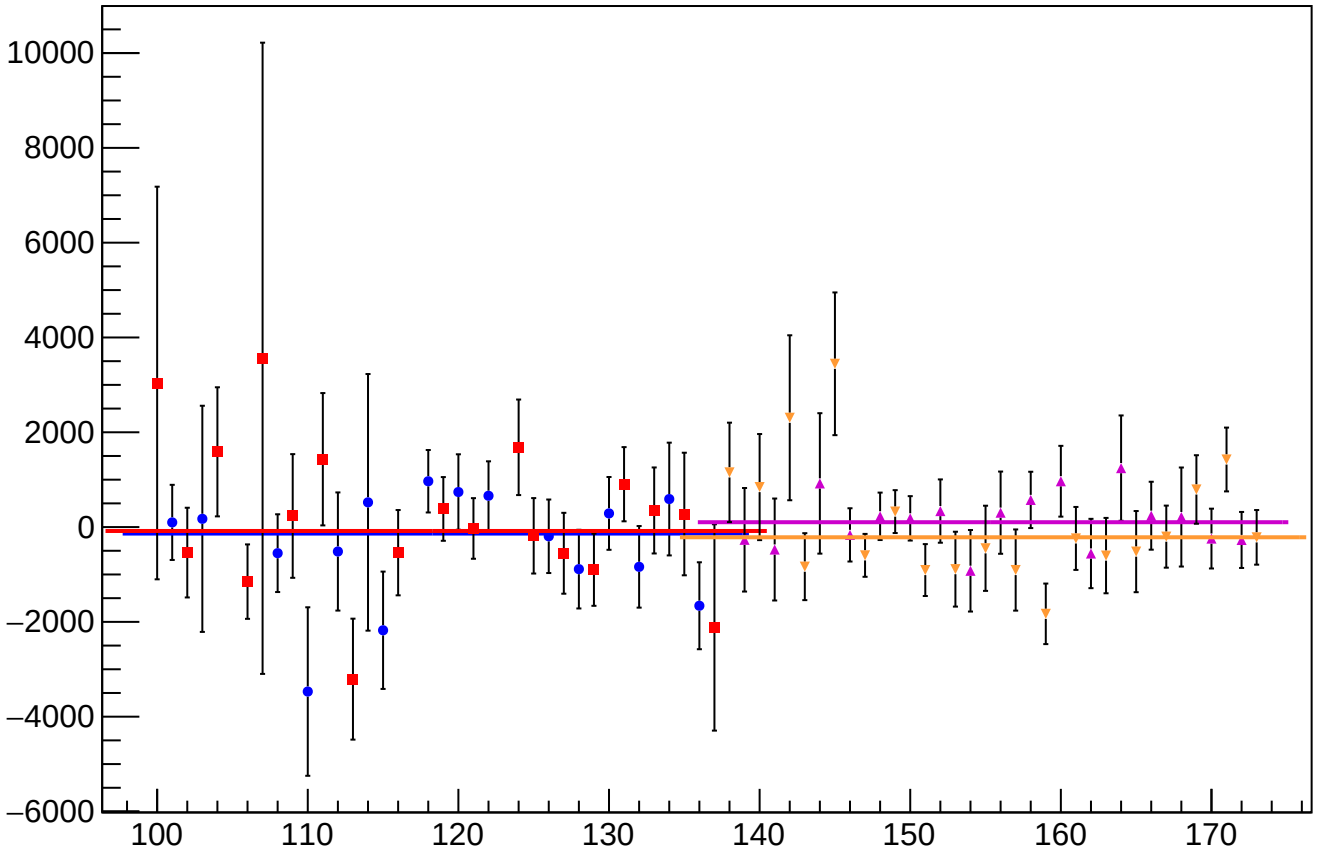
Left: 1817.066+/-0.238 χ^2/NDF: 14507.7/35

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1851.021+/-0.286 χ^2/NDF:679182.4/32

Out: 1864.268+/-0.280 χ^2/NDF:451056.1/37

All: 1857.786+/-0.200 χ^2/NDF: 1131333.9/70



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -215.172+/-160.278 χ^2/NDF:31.2/18

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: 102.578+/-170.620 χ^2/NDF:7.2/16

Left: -66.218+/-116.819 χ^2/NDF: 40.3/35

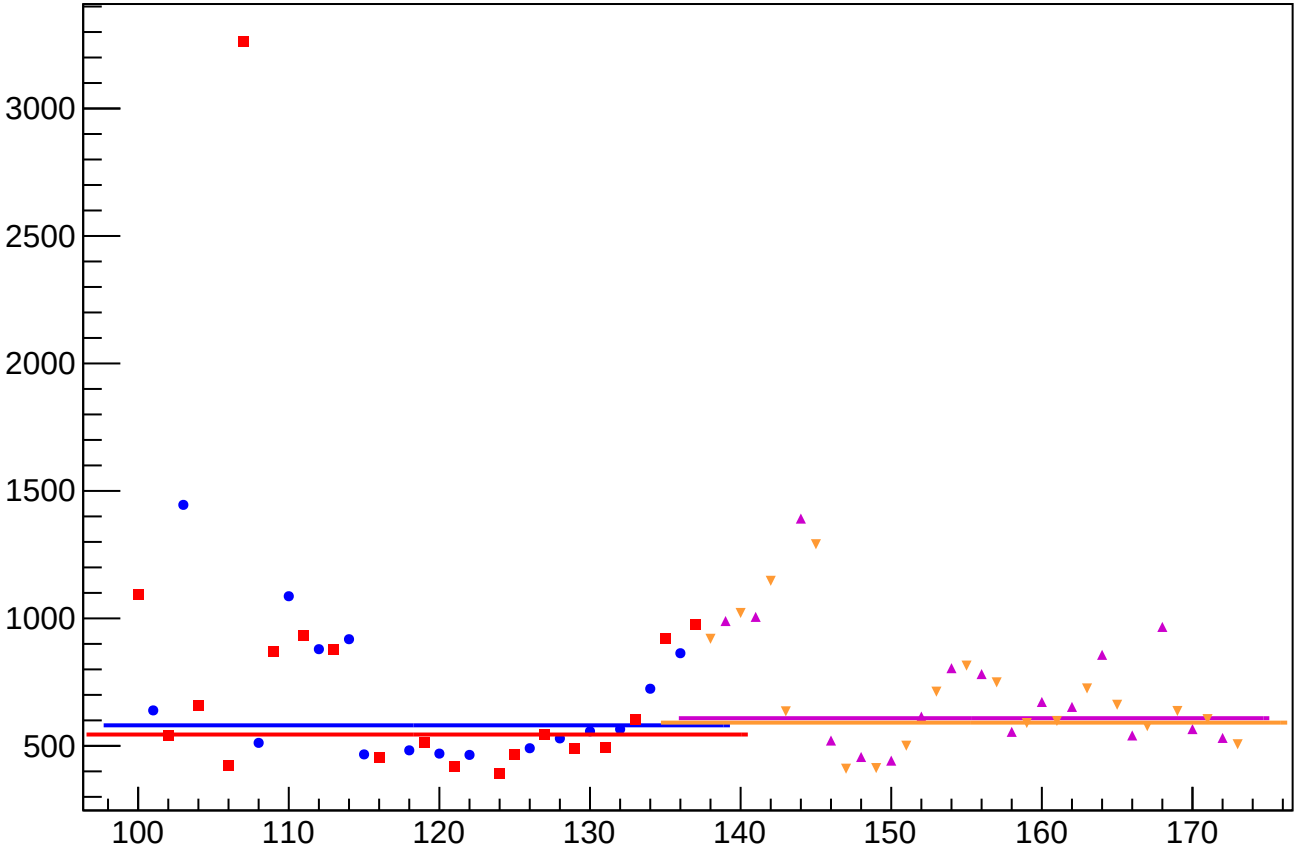
Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: 17.867+/-137.123 χ^2/NDF:24.8/32

Out: -169.648+/-129.953 χ^2/NDF:51.2/37

All: -80.920+/-94.324 χ^2/NDF: 77.0/70

asym_at1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 591.208+/-0.113 χ^2/NDF:2183340.3/18

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 608.579+/-0.121 χ^2/NDF:2179733.8/16

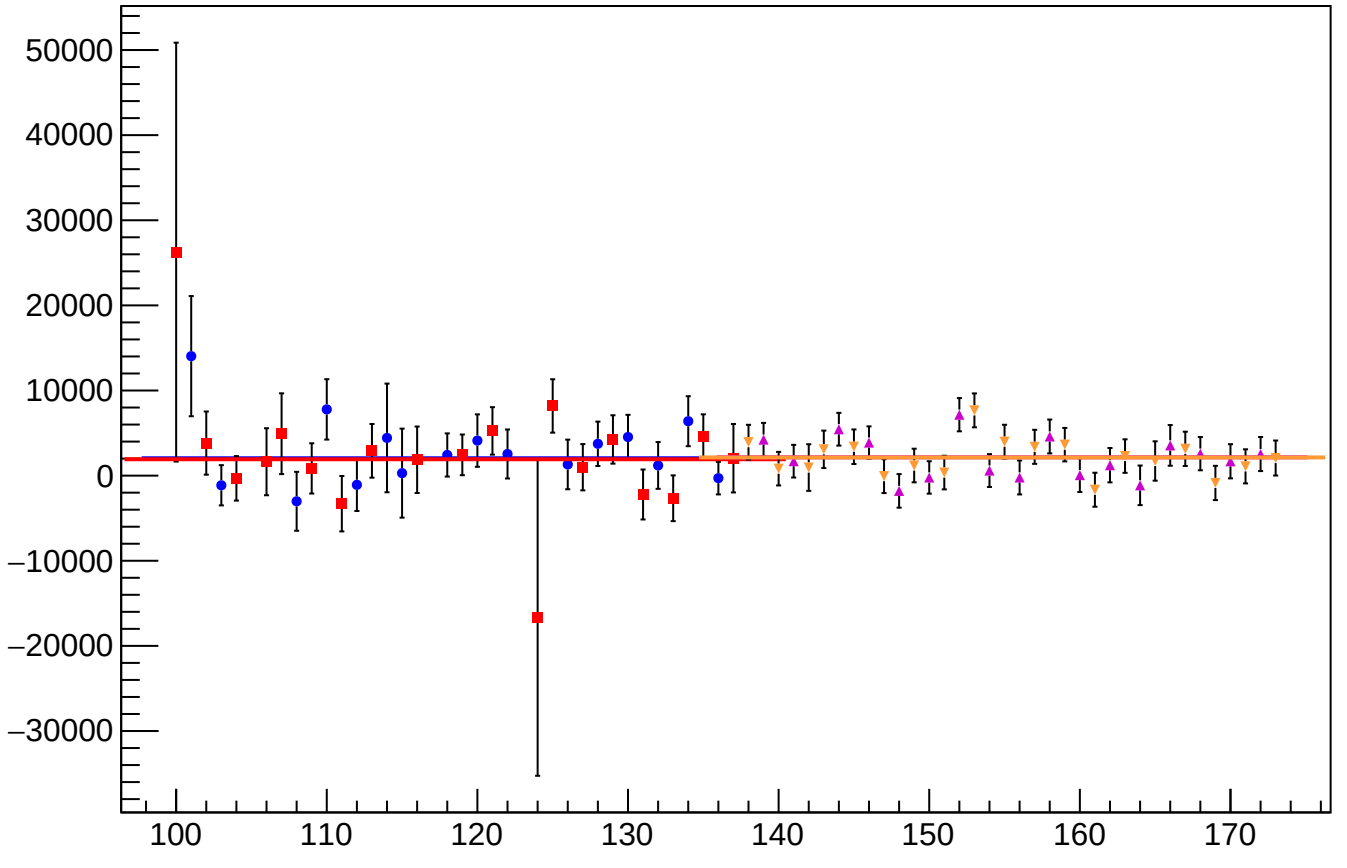
Left: 599.351+/-0.083 χ^2/NDF: 4374086.6/35

Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 598.675+/-0.097 χ^2/NDF:3202174.6/32

Out: 575.216+/-0.092 χ^2/NDF:3529099.6/37

All: 586.316+/-0.067 χ^2/NDF: 6762113.1/70



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2135.732+/-469.534 χ^2/NDF:20.2/18

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2154.214+/-484.145 χ^2/NDF:24.5/16

Left: 2144.690+/-337.058 χ^2/NDF: 44.6/35

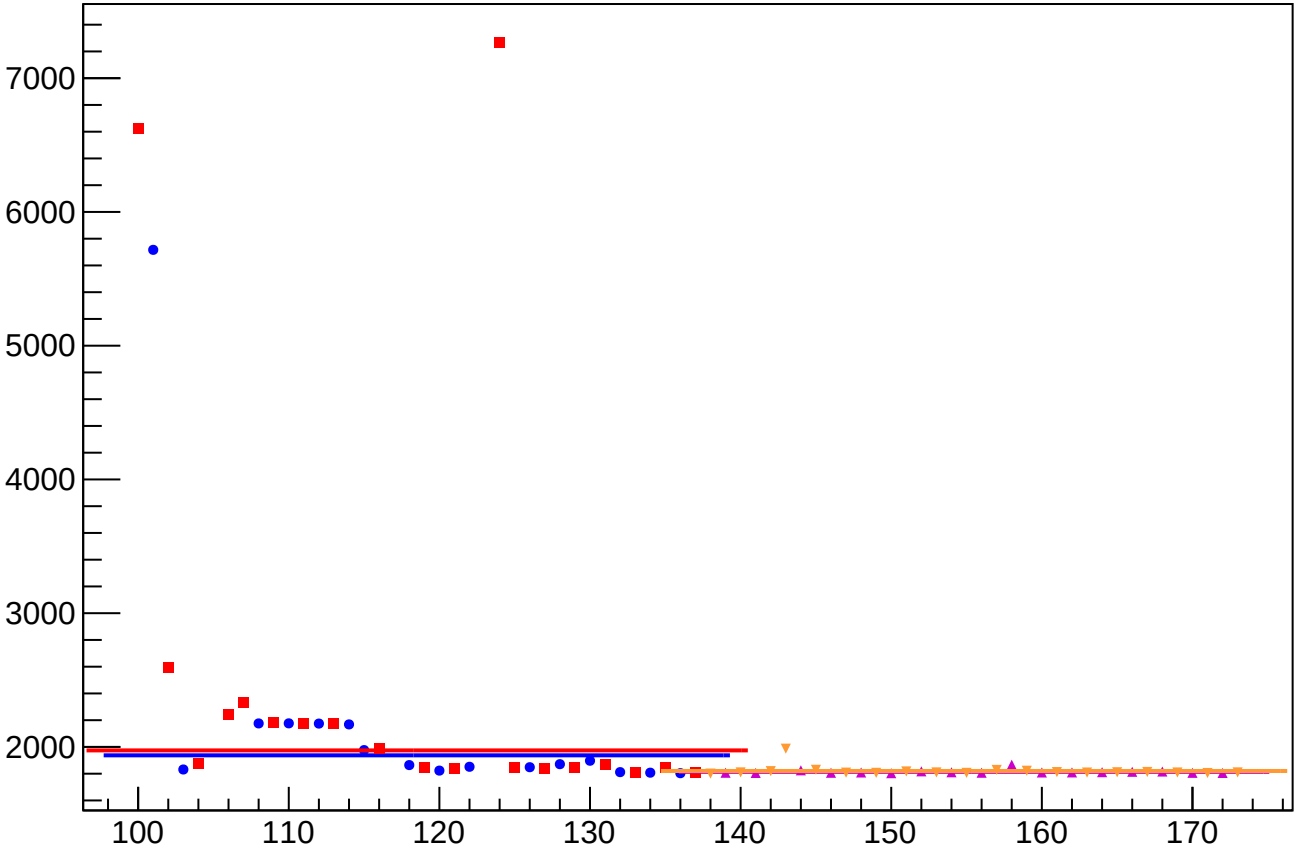
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2119.383+/-404.515 χ^2/NDF:40.9/32

Out: 2075.306+/-396.061 χ^2/NDF:38.7/37

All: 2096.879+/-282.999 χ^2/NDF: 79.6/70

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1820.205+/-0.332 χ^2/NDF:12536.8/18

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1813.729+/-0.342 χ^2/NDF:1786.5/16

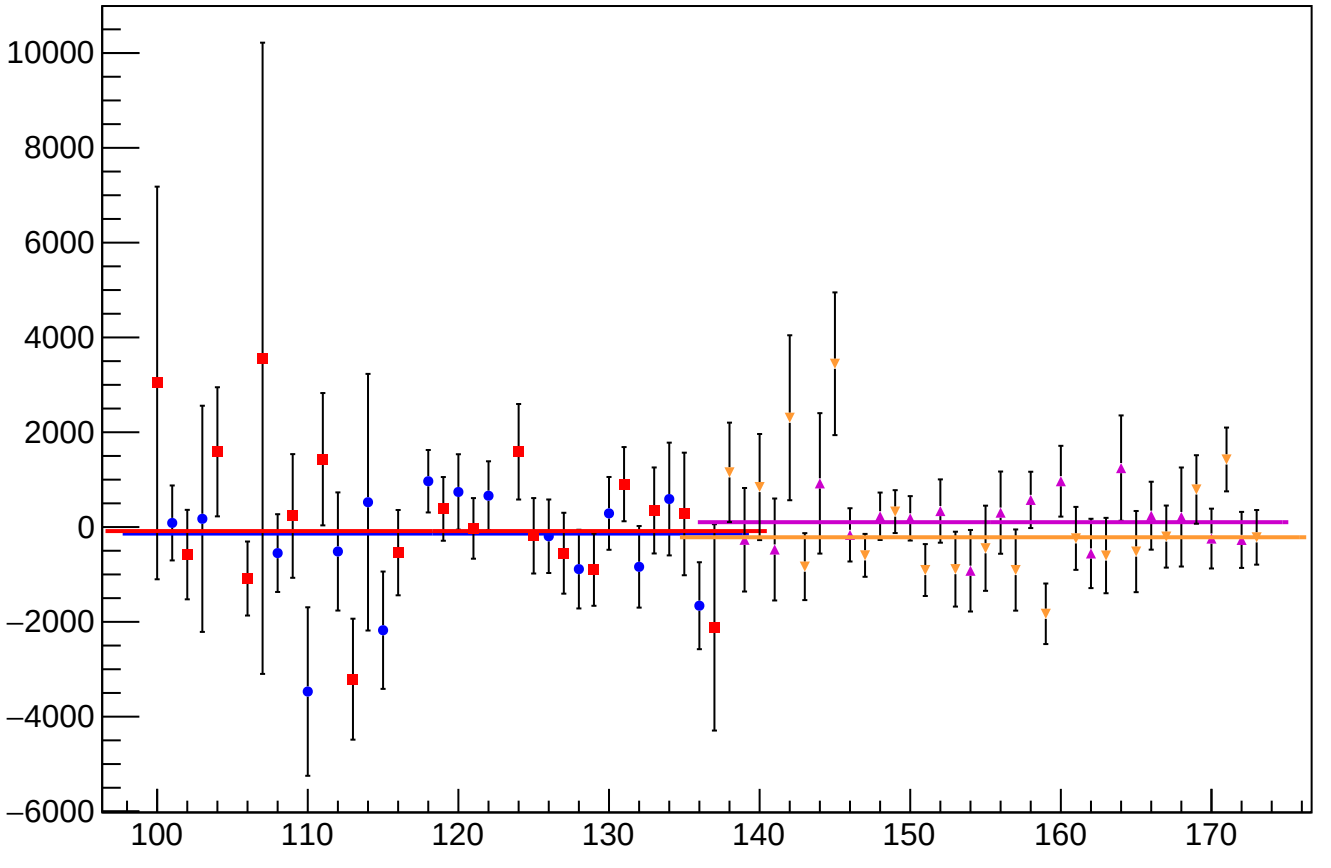
Left: 1817.066+/-0.238 χ^2/NDF: 14507.7/35

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1851.021+/-0.286 χ^2/NDF:679182.3/32

Out: 1864.615+/-0.280 χ^2/NDF:454992.1/37

All: 1857.961+/-0.200 χ^2/NDF: 1135327.7/70



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -215.241+/-160.278 χ^2/NDF:31.2/18

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 102.613+/-170.621 χ^2/NDF:7.2/16

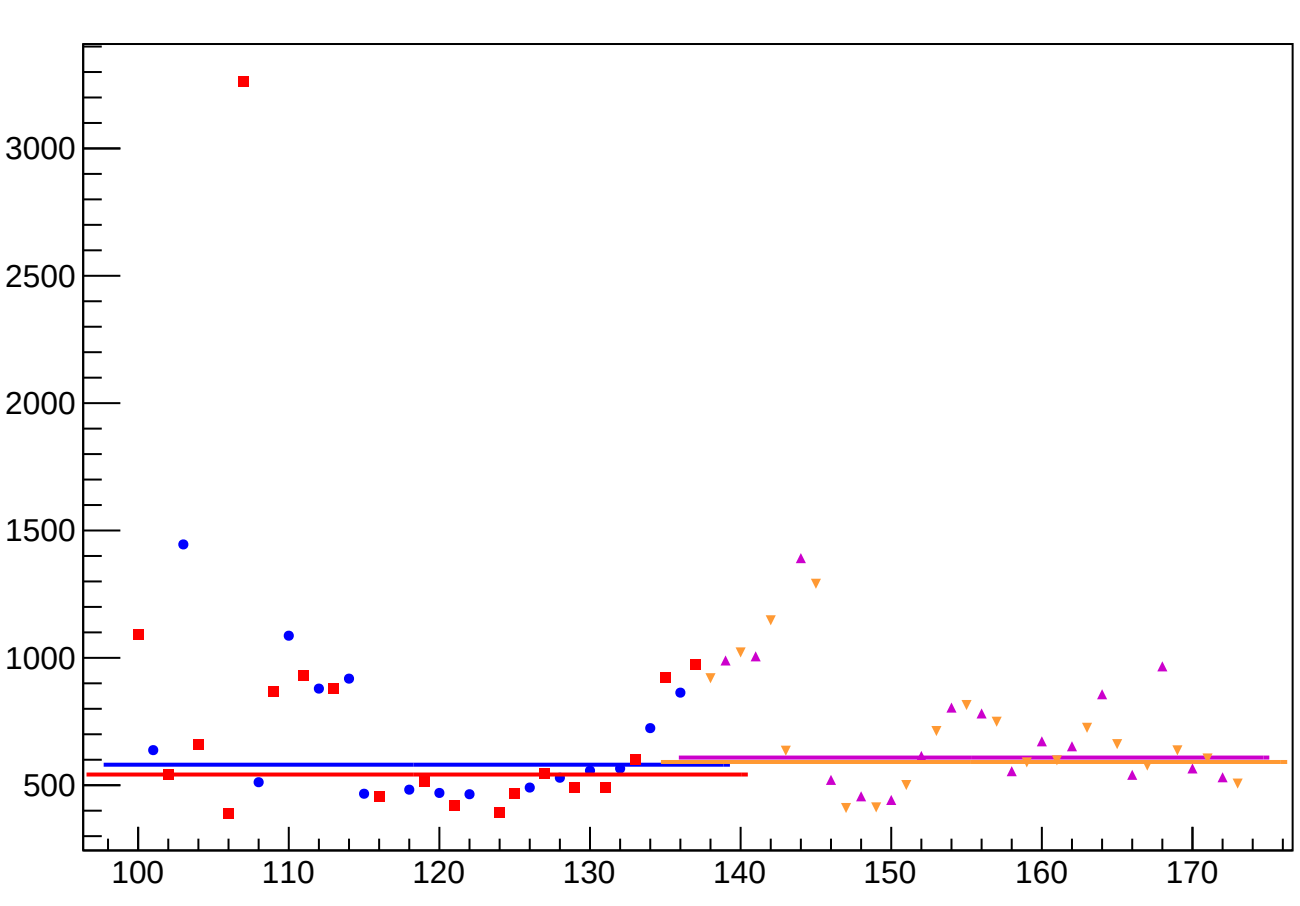
Left: -66.240+/-116.819 χ^2/NDF: 40.3/35

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 17.566+/-137.113 χ^2/NDF:24.8/32

Out: -170.565+/-129.925 χ^2/NDF:50.7/37

All: -81.560+/-94.310 χ^2/NDF: 76.5/70



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 591.206+/-0.113 χ^2/NDF:2183464.9/18

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 608.583+/-0.121 χ^2/NDF:2179779.6/16

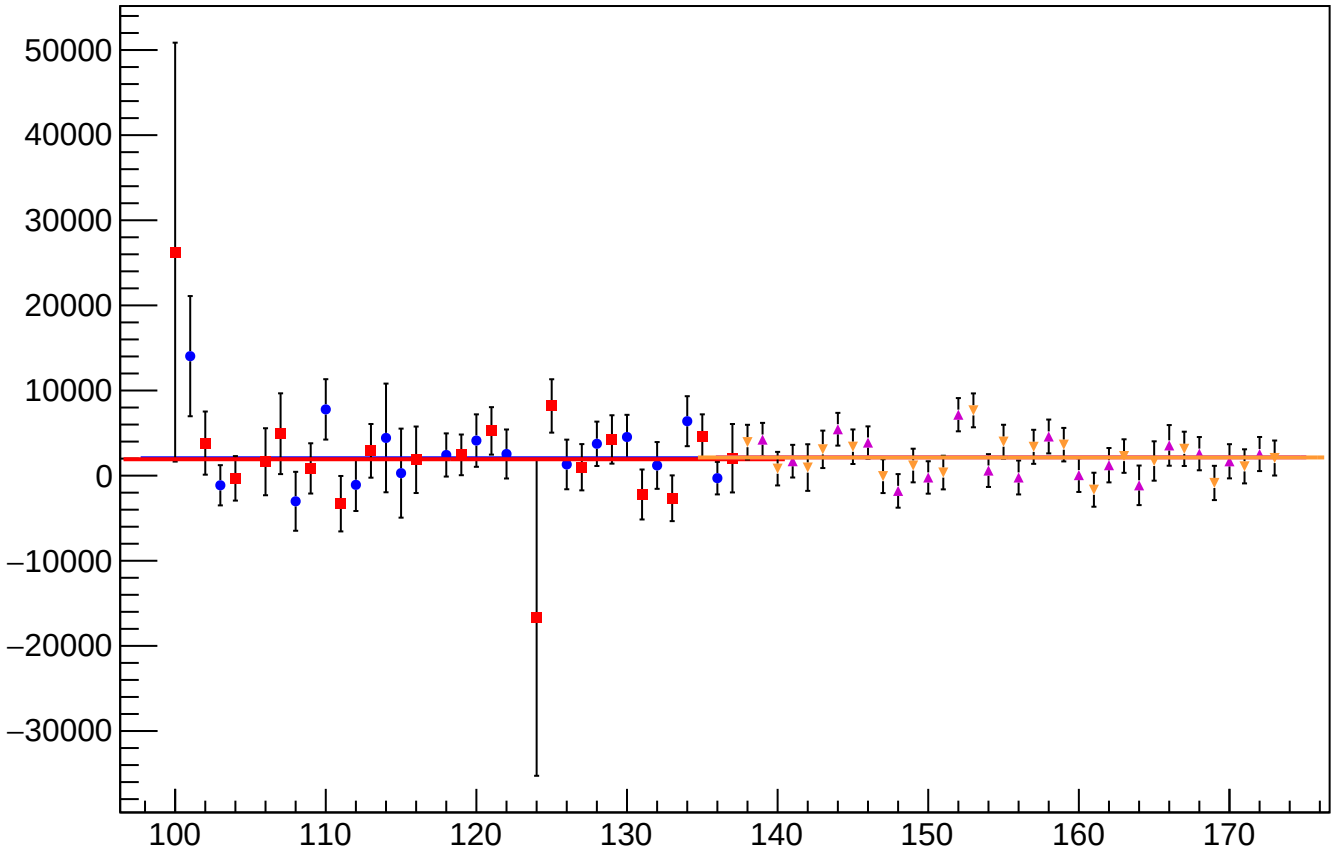
Left: 599.352+/-0.083 χ^2/NDF: 4374264.8/35

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 598.642+/-0.097 χ^2/NDF:3201846.2/32

Out: 574.313+/-0.092 χ^2/NDF:3567111.8/37

All: 585.823+/-0.067 χ^2/NDF: 6802136.7/70



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2135.732+/-469.534 χ^2/NDF:20.2/18

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2154.214+/-484.145 χ^2/NDF:24.5/16

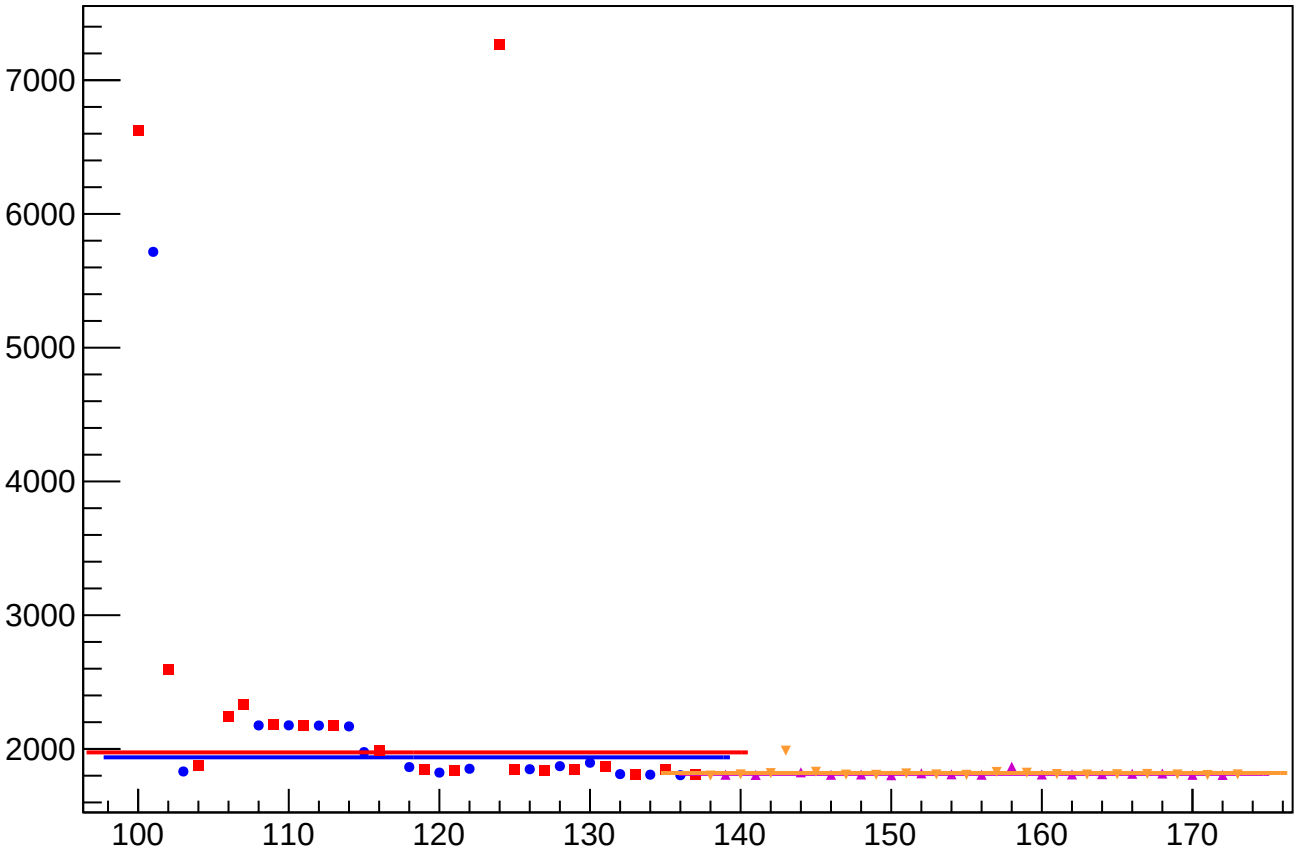
Left: 2144.690+/-337.058 χ^2/NDF: 44.6/35

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2119.383+/-404.515 χ^2/NDF:40.9/32

Out: 2075.306+/-396.061 χ^2/NDF:38.7/37

All: 2096.879+/-282.999 χ^2/NDF: 79.6/70



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1820.205+/-0.332 χ^2/NDF:12536.8/18

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1813.729+/-0.342 χ^2/NDF:1786.5/16

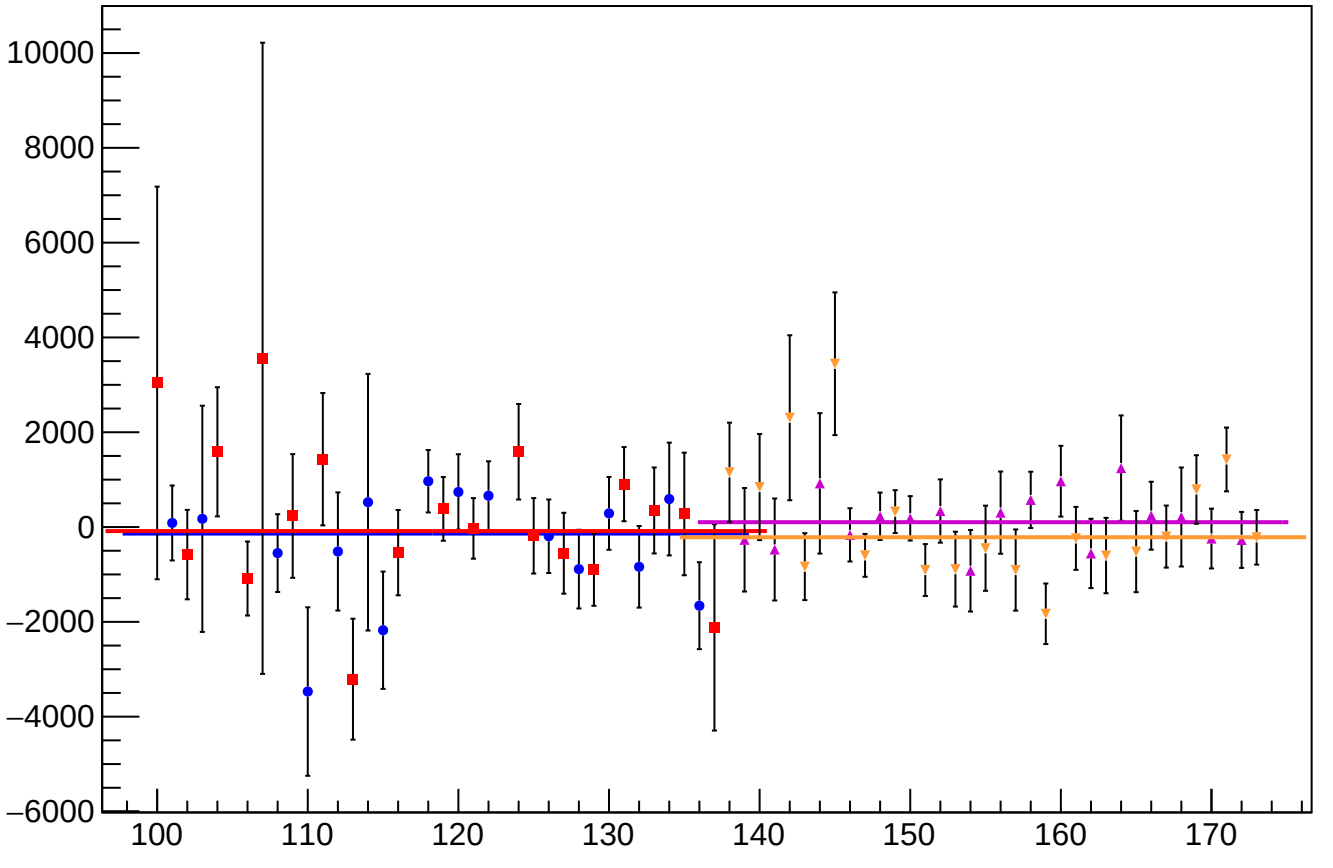
Left: 1817.066+/-0.238 χ^2/NDF: 14507.7/35

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1851.021+/-0.286 χ^2/NDF:679182.3/32

Out: 1864.615+/-0.280 χ^2/NDF:454992.1/37

All: 1857.961+/-0.200 χ^2/NDF: 1135327.7/70



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -215.241+/-160.278 χ^2/NDF:31.2/18

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 102.613+/-170.621 χ^2/NDF:7.2/16

Left: -66.240+/-116.819 χ^2/NDF: 40.3/35

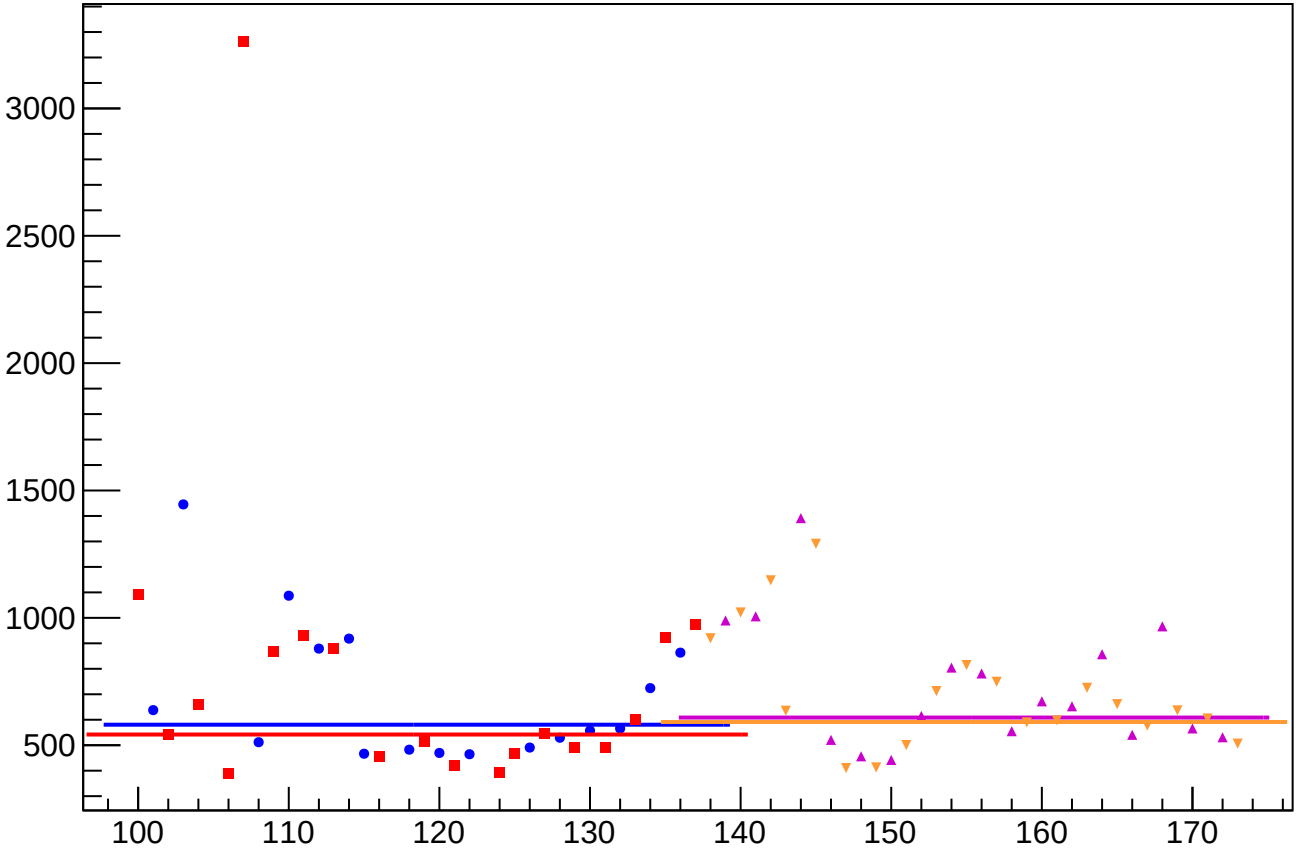
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 17.566+/-137.113 χ^2/NDF:24.8/32

Out: -170.565+/-129.925 χ^2/NDF:50.7/37

All: -81.560+/-94.310 χ^2/NDF: 76.5/70

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: 591.206+/-0.113 χ^2/NDF:2183464.9/18

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 608.583+/-0.121 χ^2/NDF:2179779.6/16

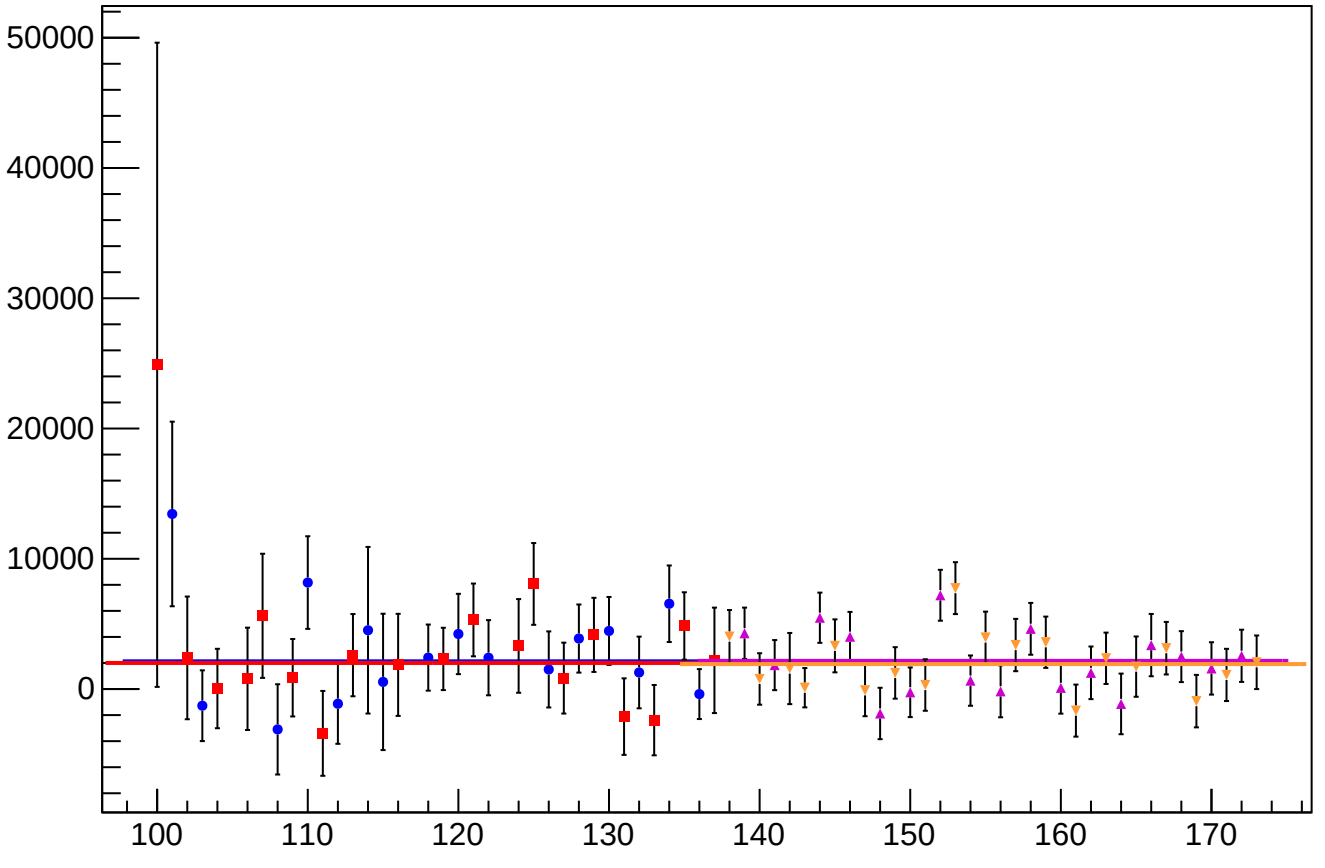
Left: 599.352+/-0.083 χ^2/NDF: 4374264.8/35

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 598.642+/-0.097 χ^2/NDF:3201846.2/32

Out: 574.313+/-0.092 χ^2/NDF:3567111.8/37

All: 585.823+/-0.067 χ^2/NDF: 6802136.7/70



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1917.031+/-458.416 χ^2/NDF:21.8/18

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 2161.336+/-484.663 χ^2/NDF:24.8/16

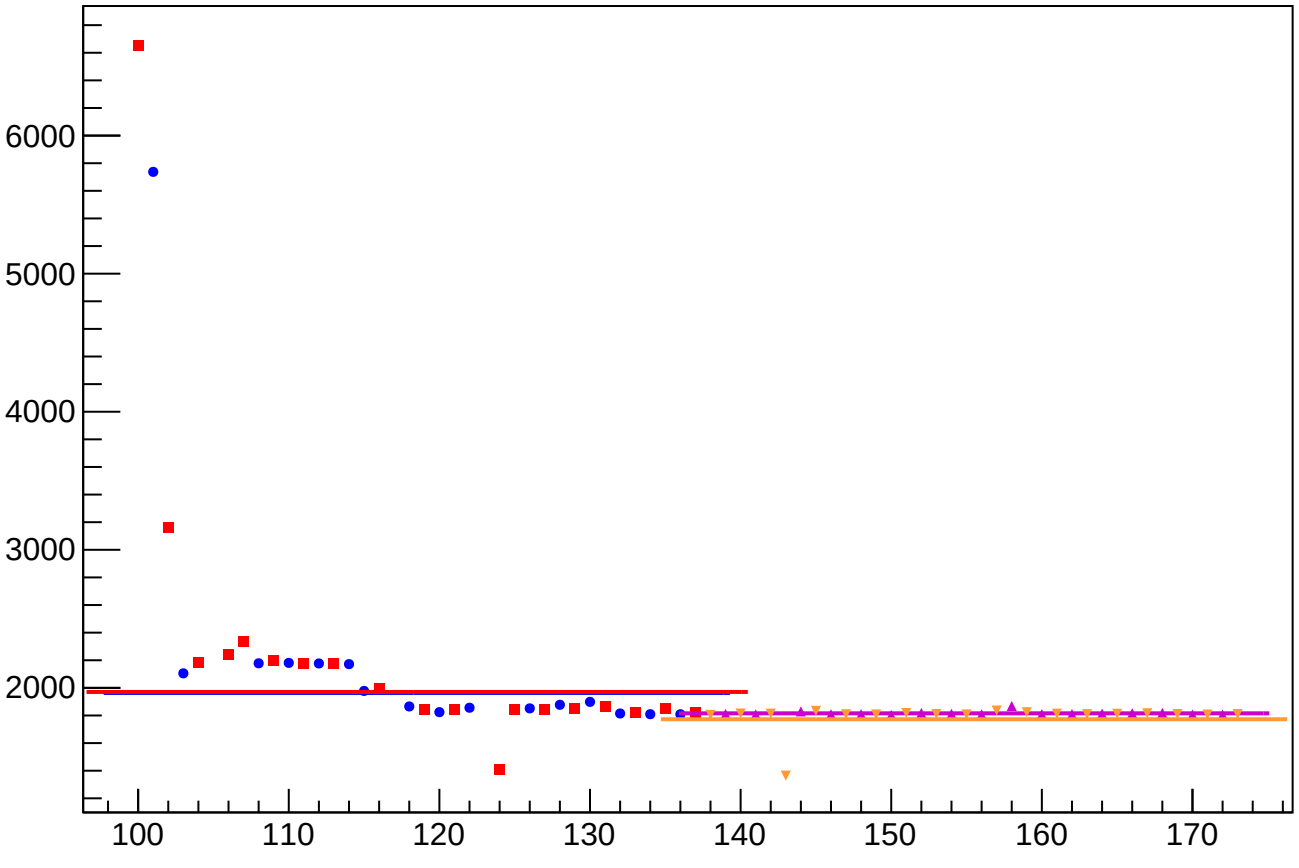
Left: 2032.389+/-333.042 χ^2/NDF: 46.7/35

Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2151.668+/-406.461 χ^2/NDF:41.3/32

Out: 1940.786+/-389.288 χ^2/NDF:38.6/37

All: 2041.678+/-281.143 χ^2/NDF: 79.9/70



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1772.639+/-0.324 χ^2/NDF:161804.3/18

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1815.647+/-0.343 χ^2/NDF:1841.0/16

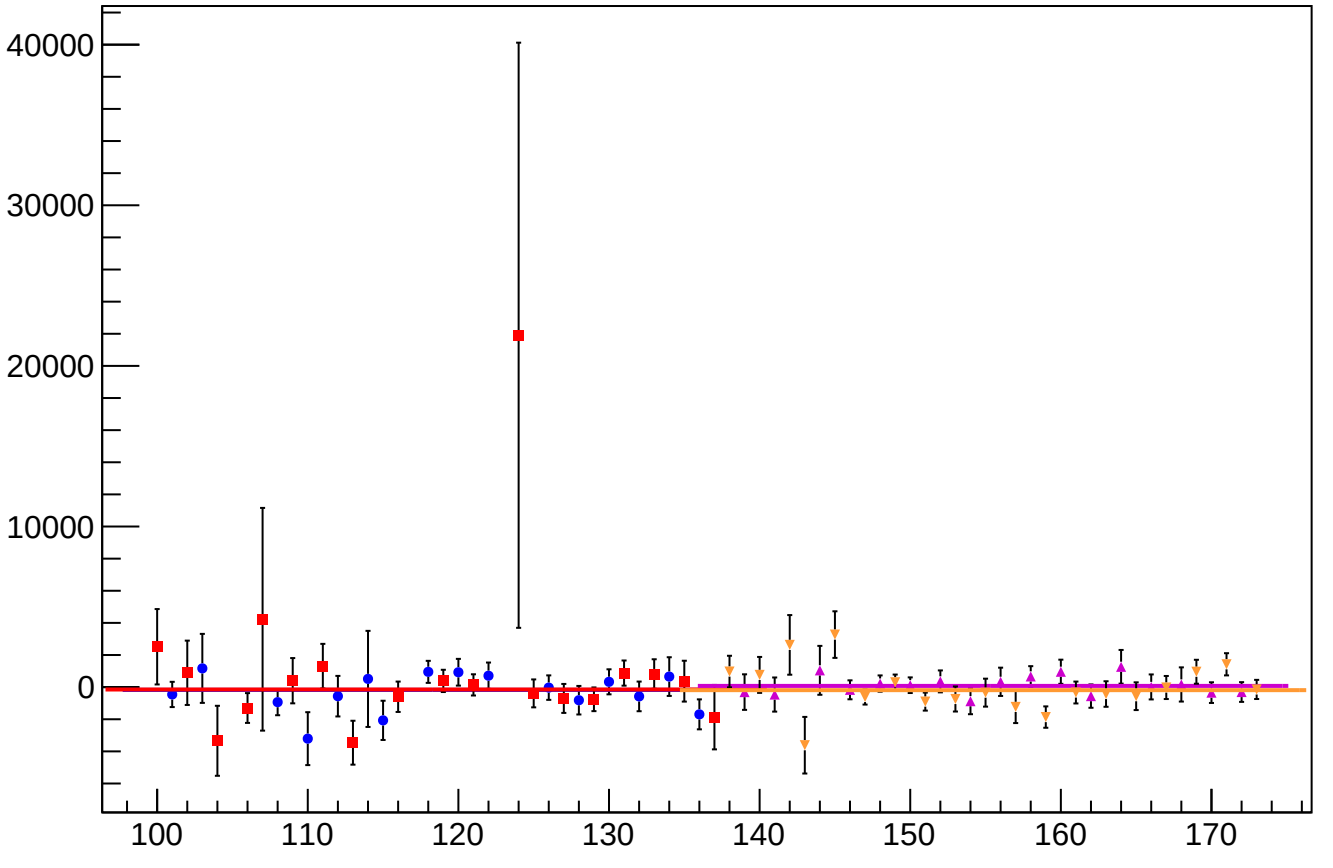
Left: 1792.947+/-0.235 χ^2/NDF: 171957.5/35

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1859.486+/-0.287 χ^2/NDF:697250.7/32

Out: 1827.803+/-0.275 χ^2/NDF:610792.8/37

All: 1842.961+/-0.199 χ^2/NDF: 1314381.6/70



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -188.139+/-169.358 χ^2/NDF:33.5/18

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: 76.942+/-174.853 χ^2/NDF:7.8/16

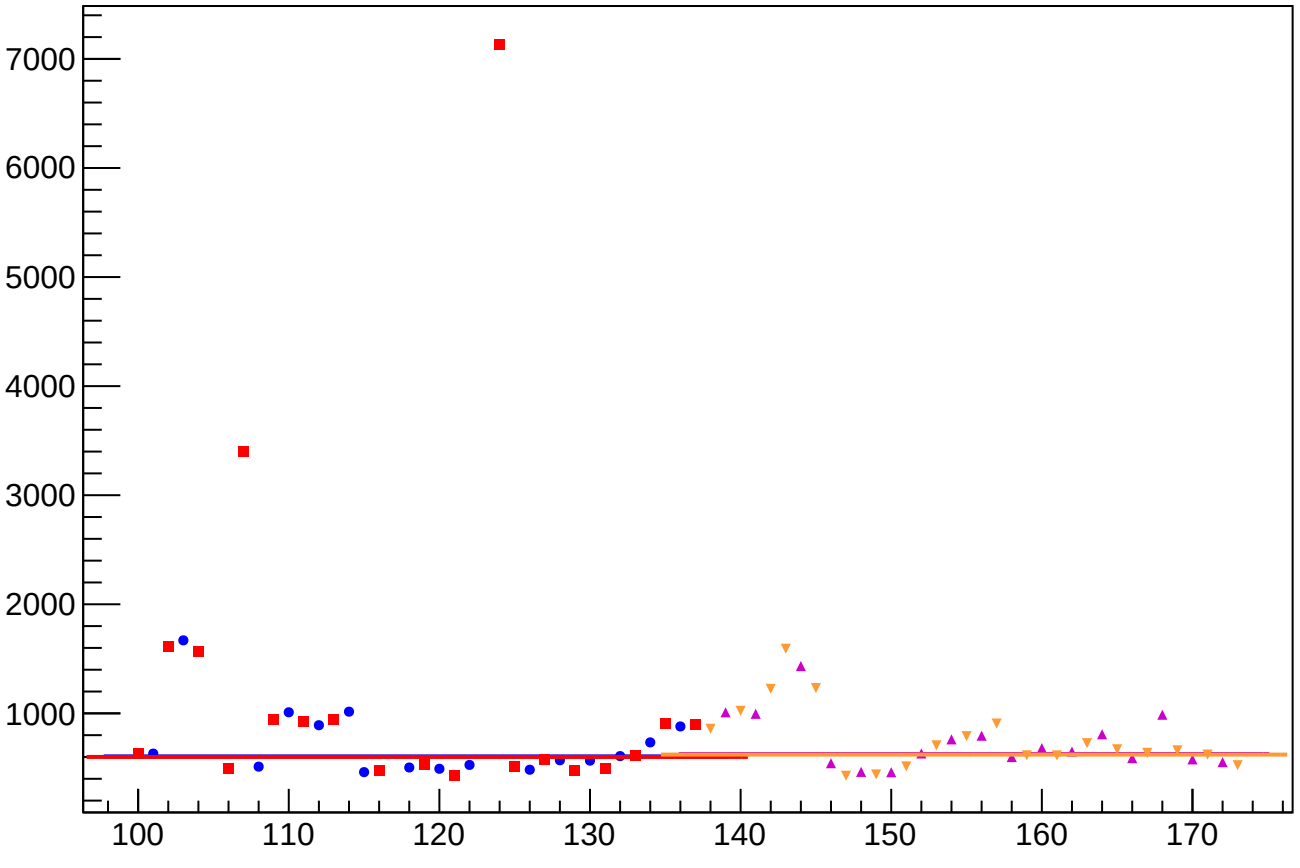
Left: -59.830+/-121.650 χ^2/NDF: 42.4/35

Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -10.411+/-140.685 χ^2/NDF:25.7/32

Out: -174.838+/-138.914 χ^2/NDF:53.6/37

All: -93.666+/-98.847 χ^2/NDF: 80.0/70



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 622.014+/-0.120 χ^2/NDF:2604970.6/18

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 627.385+/-0.124 χ^2/NDF:2004140.0/16

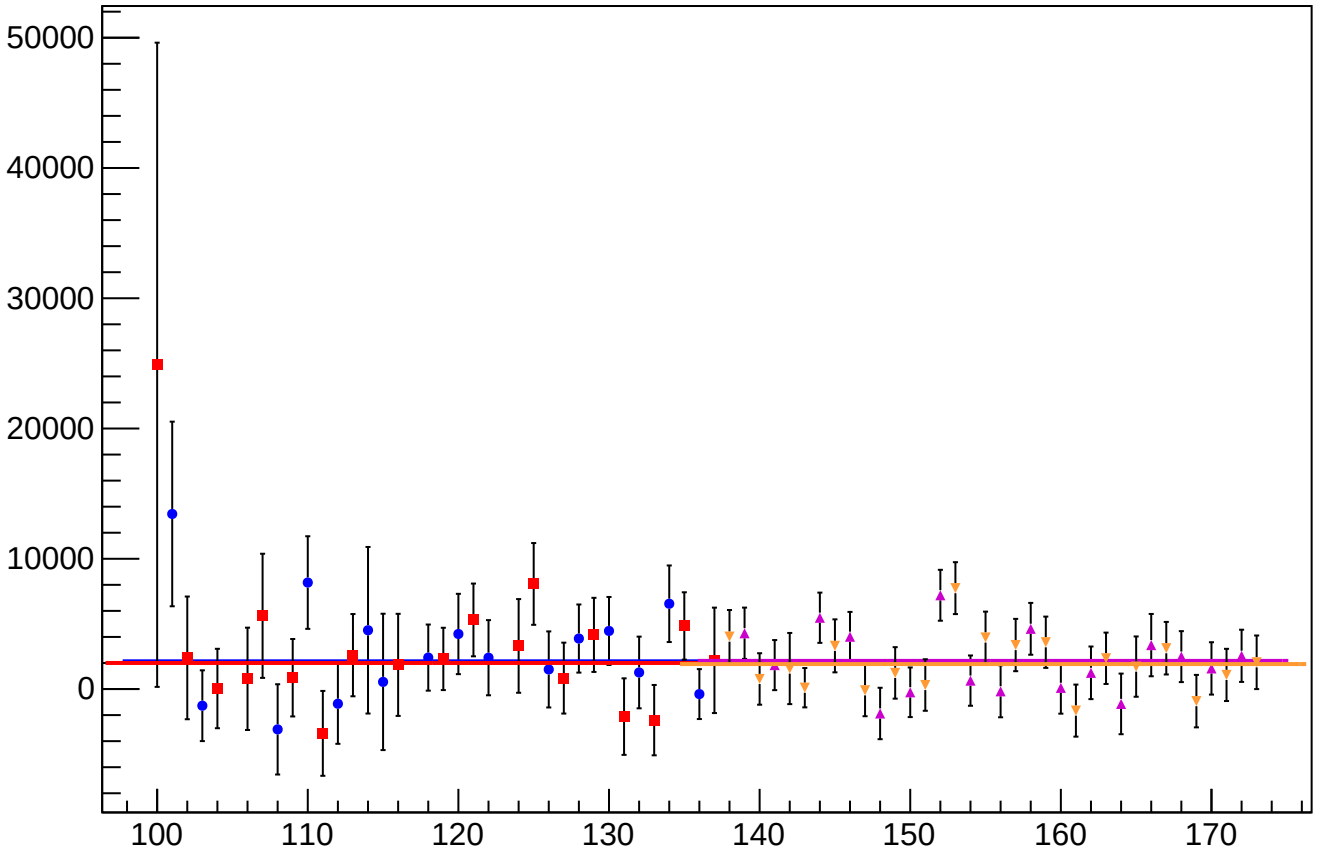
Left: 624.614+/-0.086 χ^2/NDF: 4610084.4/35

Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 619.643+/-0.099 χ^2/NDF:3177714.6/32

Out: 614.957+/-0.098 χ^2/NDF:4944107.4/37

All: 617.270+/-0.070 χ^2/NDF: 8122945.5/70



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1917.031+/-458.416 χ^2/NDF:21.8/18

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 2161.336+/-484.663 χ^2/NDF:24.8/16

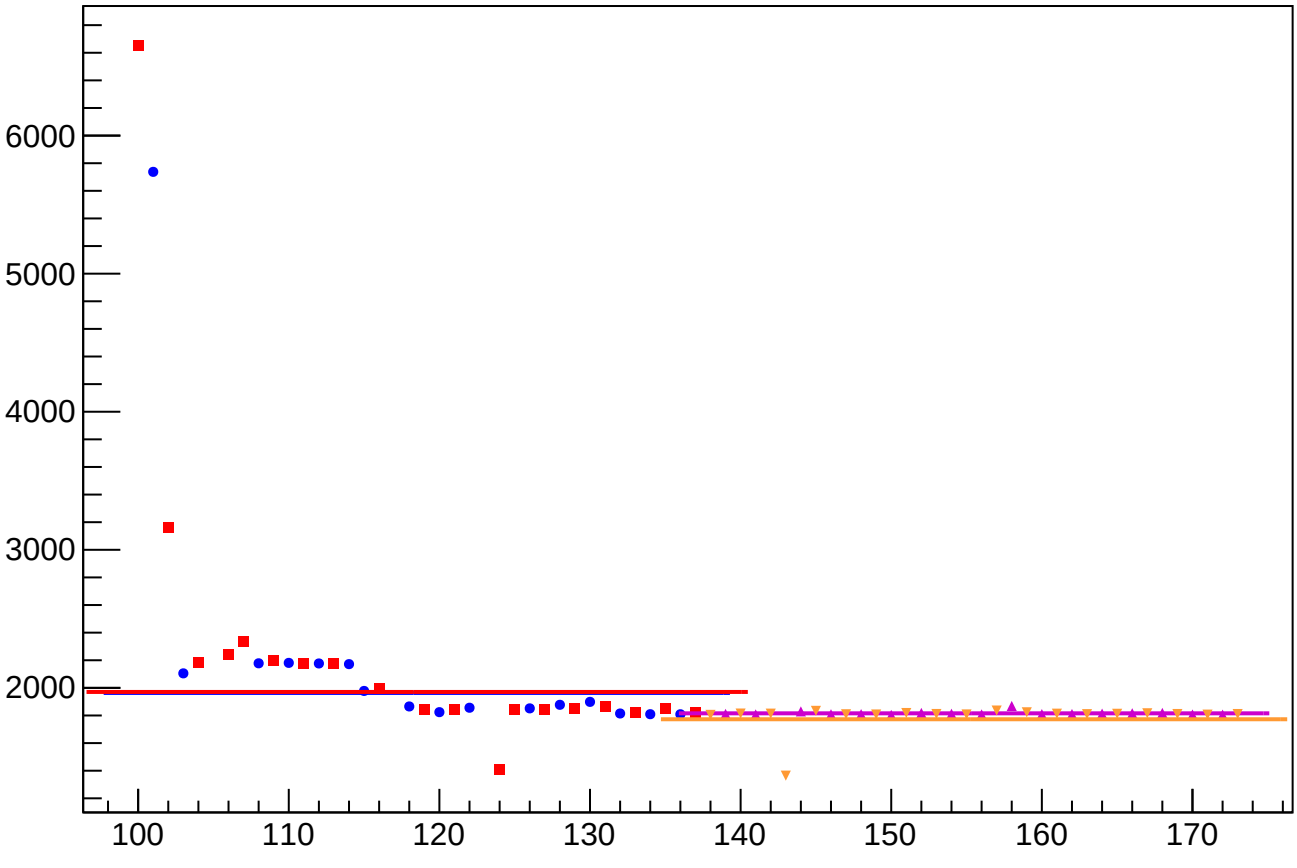
Left: 2032.390+/-333.042 χ^2/NDF: 46.7/35

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2151.668+/-406.461 χ^2/NDF:41.3/32

Out: 1940.786+/-389.288 χ^2/NDF:38.6/37

All: 2041.678+/-281.143 χ^2/NDF: 79.9/70



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1772.639+/-0.324 χ^2/NDF:161804.3/18

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1815.647+/-0.343 χ^2/NDF:1841.0/16

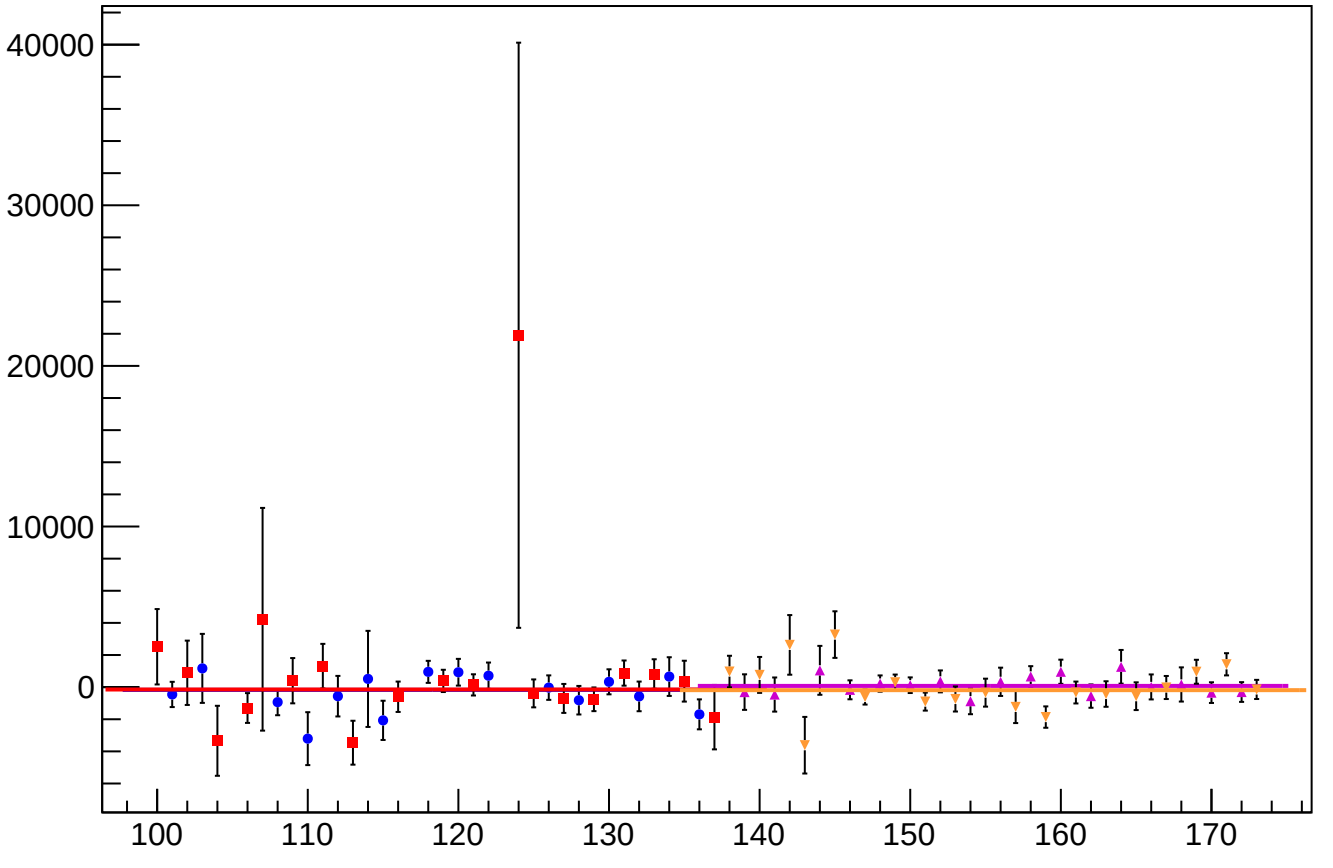
Left: 1792.947+/-0.235 χ^2/NDF: 171957.5/35

Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1859.486+/-0.287 χ^2/NDF:697250.2/32

Out: 1827.802+/-0.275 χ^2/NDF:610791.2/37

All: 1842.961+/-0.199 χ^2/NDF: 1314379.6/70



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -188.140+/-169.358 χ^2/NDF:33.5/18

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: 76.942+/-174.854 χ^2/NDF:7.8/16

Left: -59.830+/-121.651 χ^2/NDF: 42.4/35

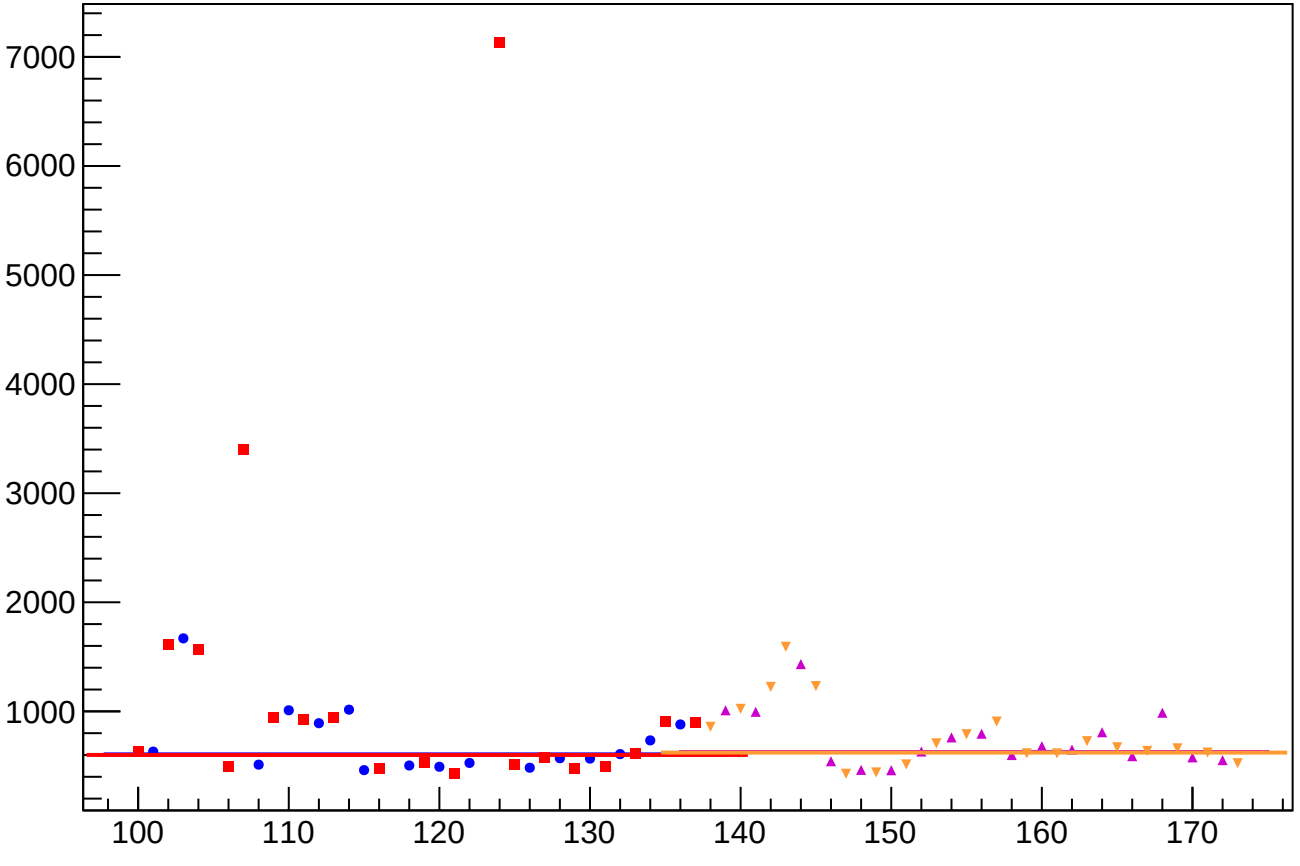
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -10.411+/-140.685 χ^2/NDF:25.7/32

Out: -174.838+/-138.914 χ^2/NDF:53.6/37

All: -93.666+/-98.847 χ^2/NDF: 80.0/70

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: 622.015+/-0.120 χ^2/NDF:2604964.0/18

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 627.387+/-0.124 χ^2/NDF:2004135.4/16

Left: 624.615+/-0.086 χ^2/NDF: 4610073.1/35

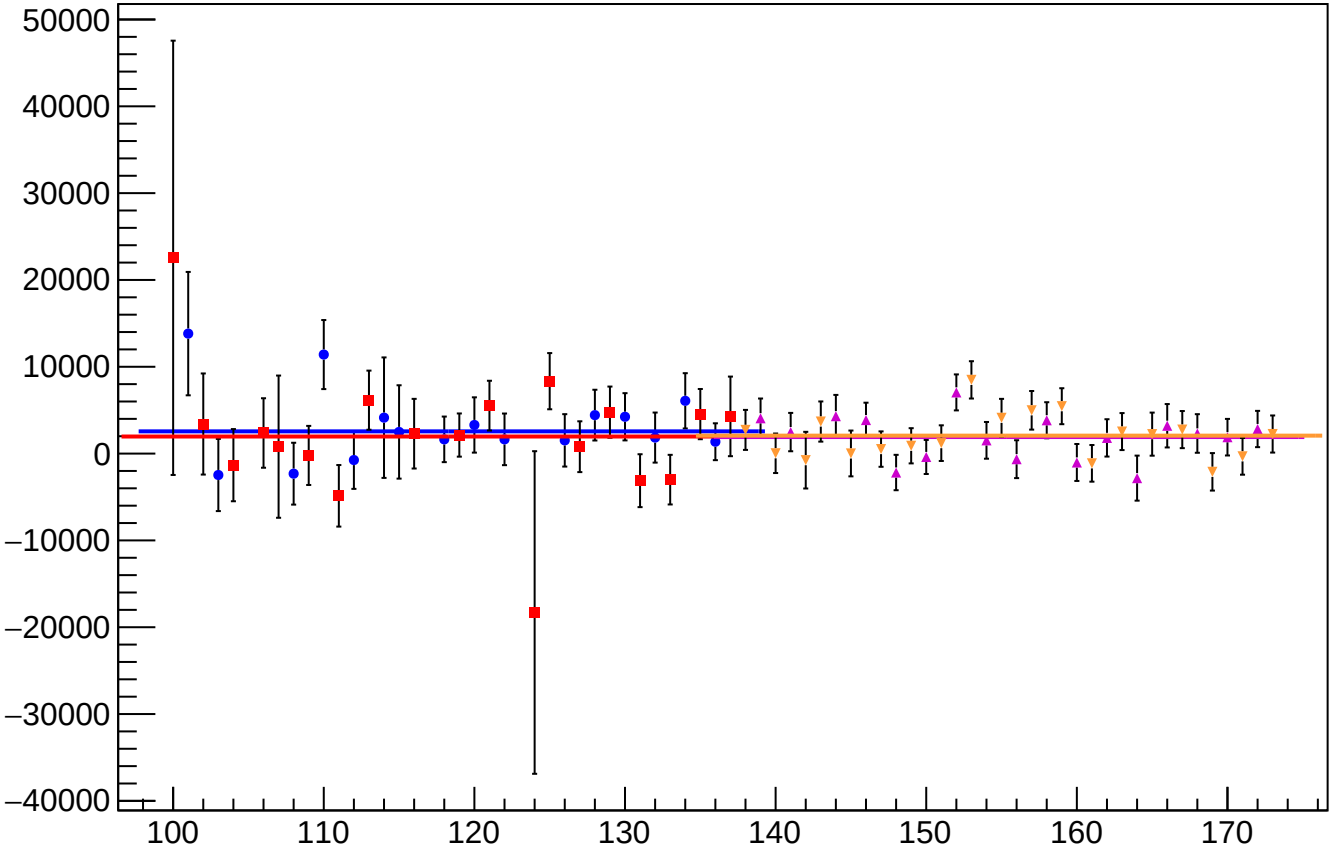
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 619.643+/-0.099 χ^2/NDF:3177720.0/32

Out: 614.958+/-0.098 χ^2/NDF:4944110.7/37

All: 617.271+/-0.070 χ^2/NDF: 8122954.1/70

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2066.949+/-508.213 χ^2/NDF:25.5/18

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 1905.393+/-525.864 χ^2/NDF:22.4/16

Left: 1988.928+/-365.442 χ^2/NDF: 48.0/35

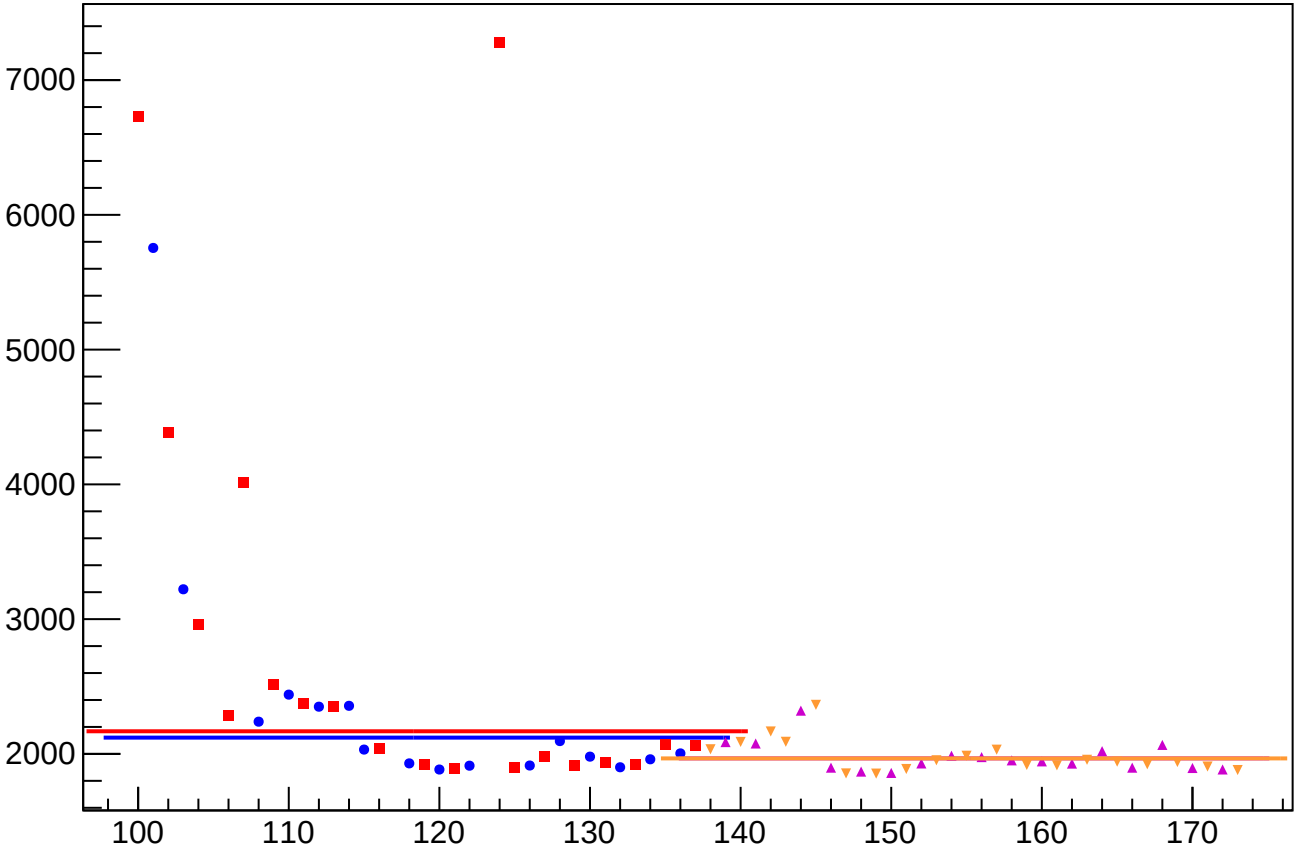
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2099.892+/-441.010 χ^2/NDF:37.5/32

Out: 2039.080+/-431.806 χ^2/NDF:47.1/37

All: 2068.845+/-308.536 χ^2/NDF: 84.6/70

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1966.504+/-0.359 χ^2/NDF:91691.7/18

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1966.621+/-0.372 χ^2/NDF:79146.2/16

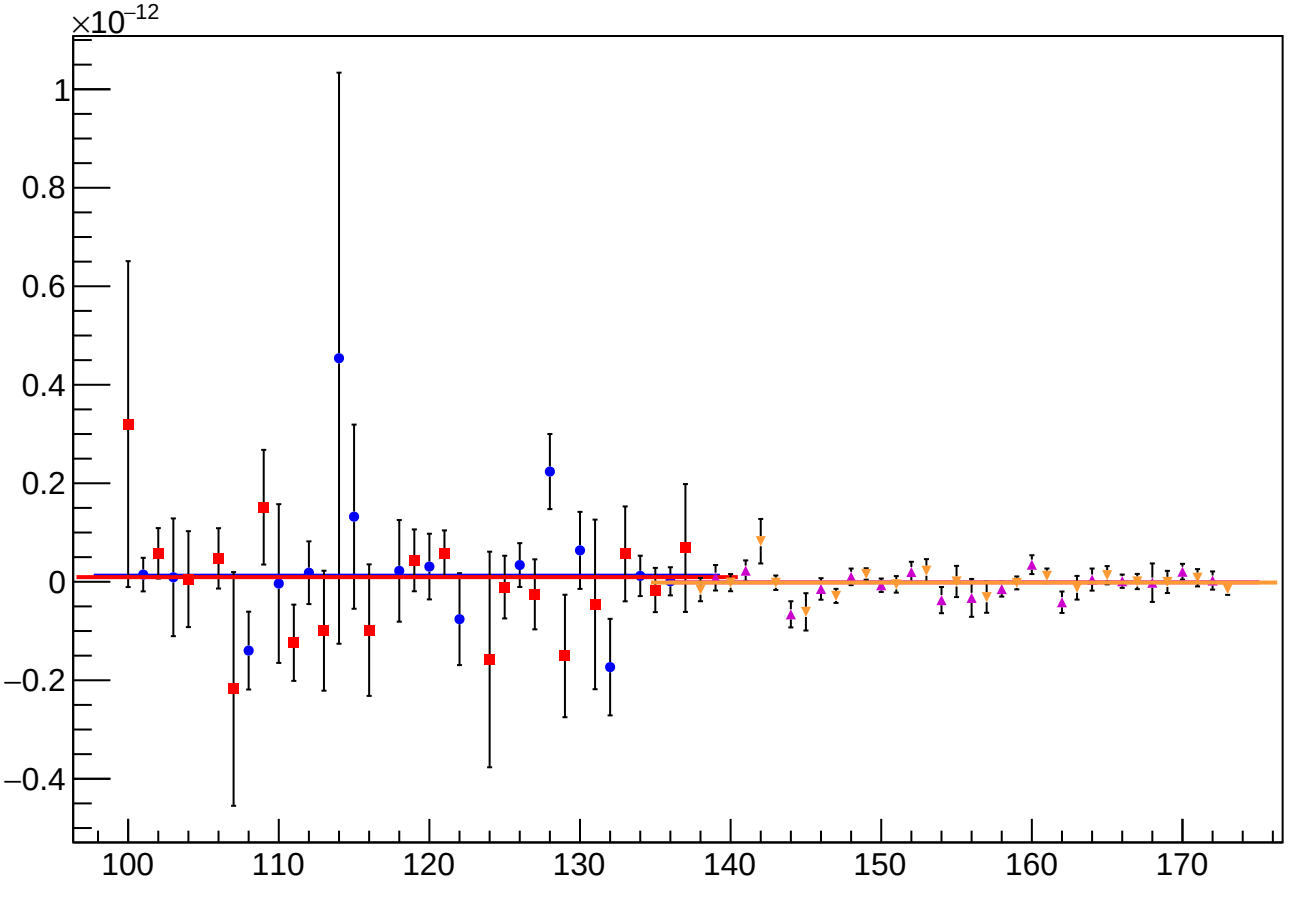
Left: 1966.560+/-0.258 χ^2/NDF: 170837.9/35

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2012.357+/-0.312 χ^2/NDF:890107.4/32

Out: 2022.493+/-0.305 χ^2/NDF:1002907.0/37

All: 2017.532+/-0.218 χ^2/NDF: 1893553.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:21.7/16

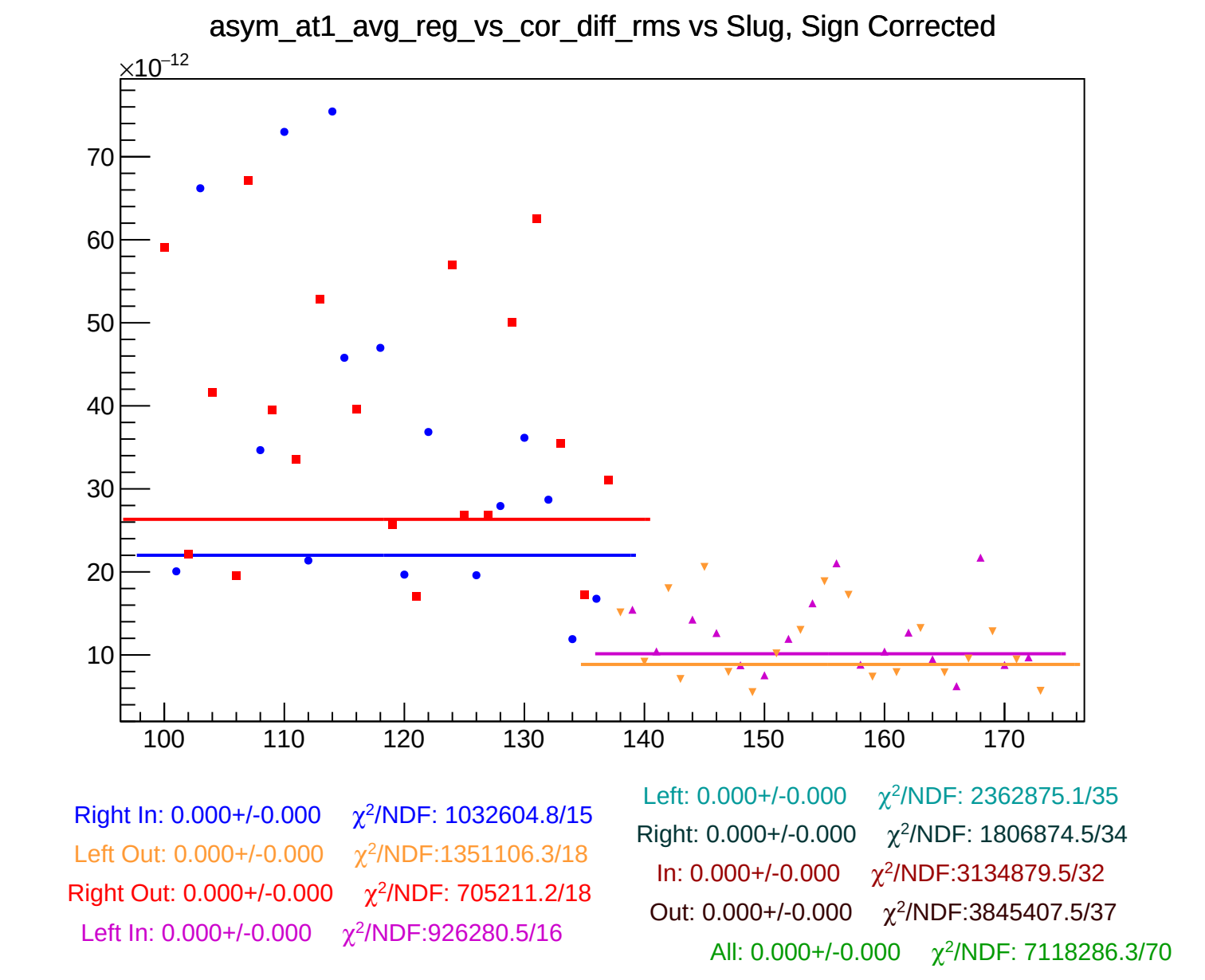
Left: -0.000+/-0.000 χ^2/NDF: 39.1/35

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

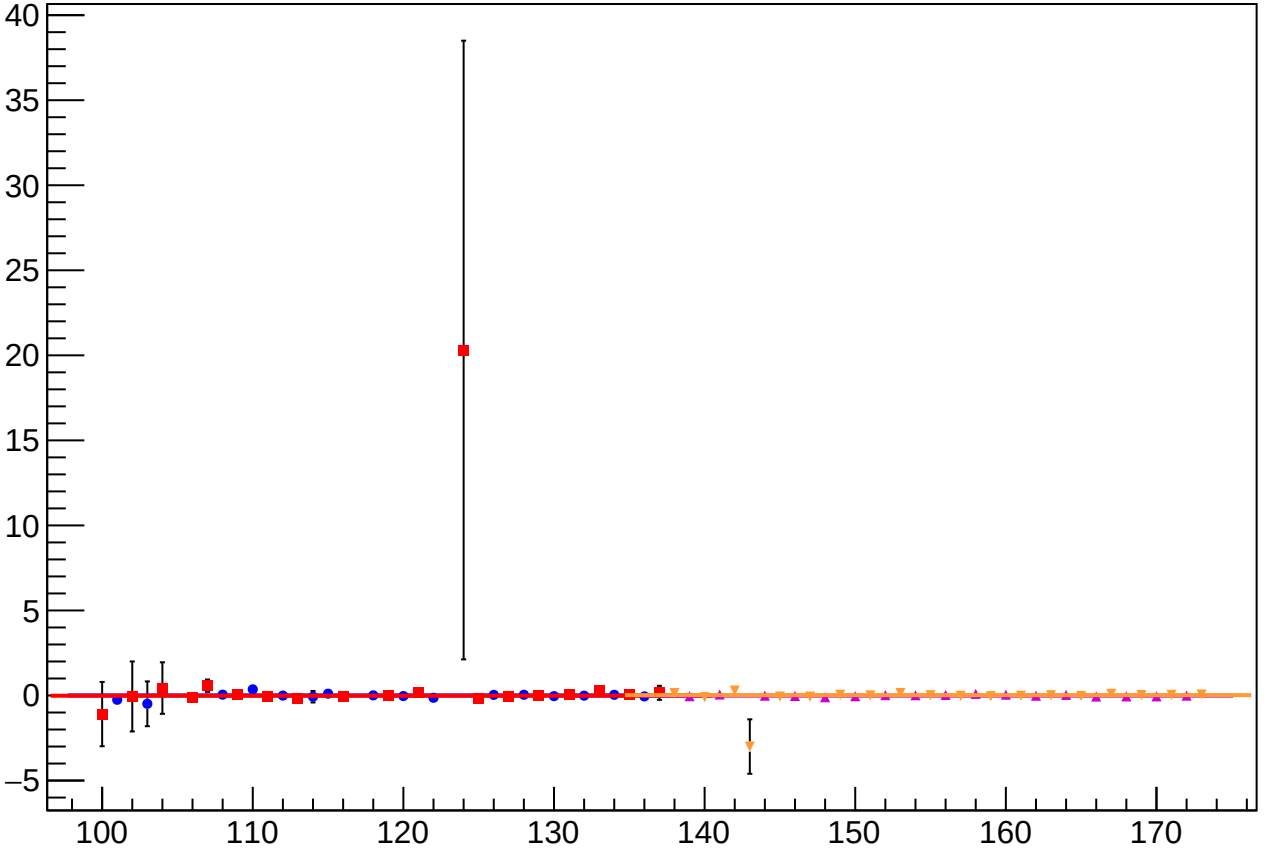
In: 0.000+/-0.000 χ^2/NDF:40.2/32

Out: -0.000+/-0.000 χ^2/NDF:31.5/37

All: -0.000+/-0.000 χ^2/NDF: 71.8/70


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
170
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1351106.3/18
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:926280.5/16
Left: 0.000+/-0.000 χ²/NDF: 2362875.1/35
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:3134879.5/32
Out: 0.000+/-0.000 χ²/NDF:3845407.5/37
All: 0.000+/-0.000 χ²/NDF: 7118286.3/70

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.021+/-0.014 χ^2/NDF:25.0/18

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.008+/-0.014 χ^2/NDF:14.4/16

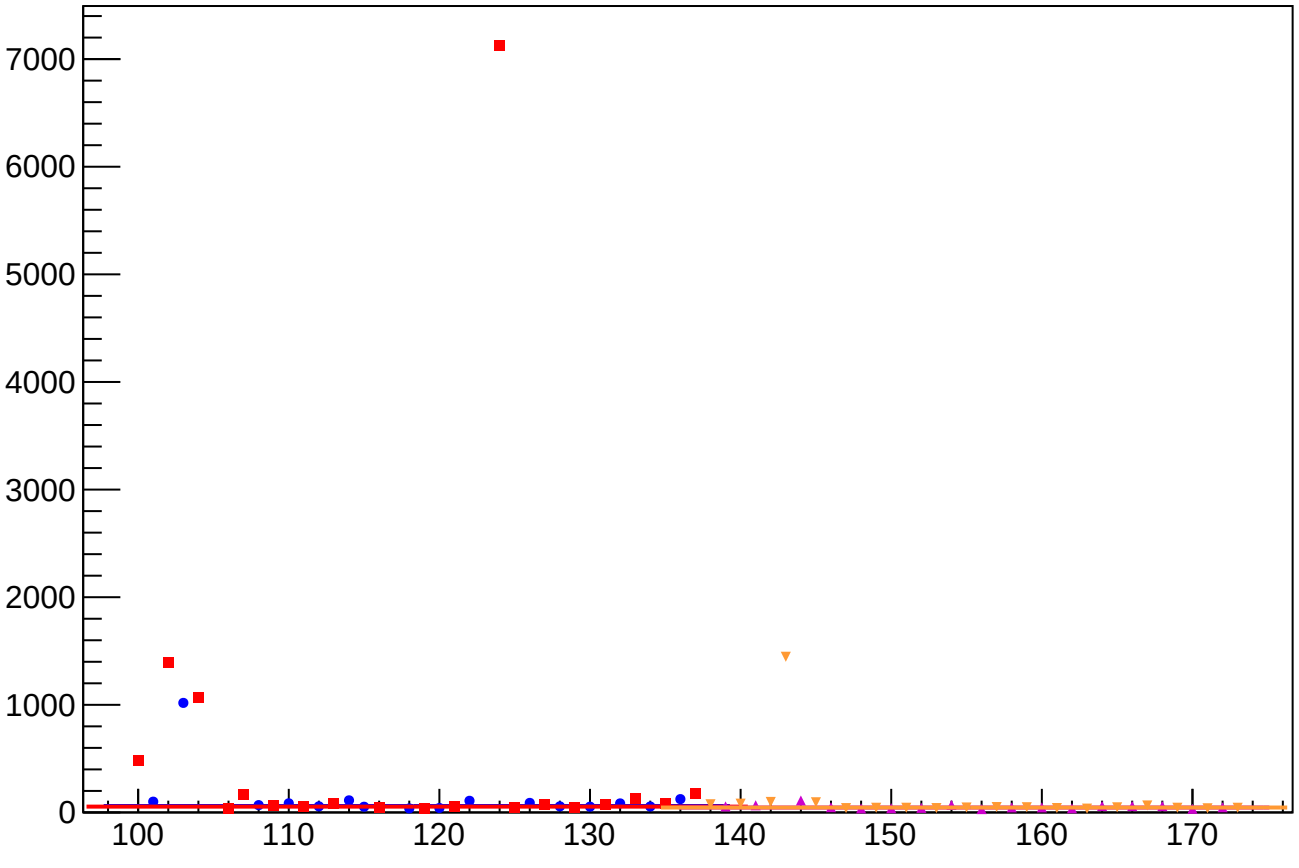
Left: 0.006+/-0.010 χ^2/NDF: 41.7/35

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.006+/-0.012 χ^2/NDF:26.0/32

Out: 0.014+/-0.012 χ^2/NDF:44.0/37

All: 0.004+/-0.009 χ^2/NDF: 71.2/70



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 45.849+/-0.010 χ^2/NDF:2992960.6/18

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.531+/-0.010 χ^2/NDF:1682050.9/16

Left: 45.691+/-0.007 χ^2/NDF: 4675552.4/35

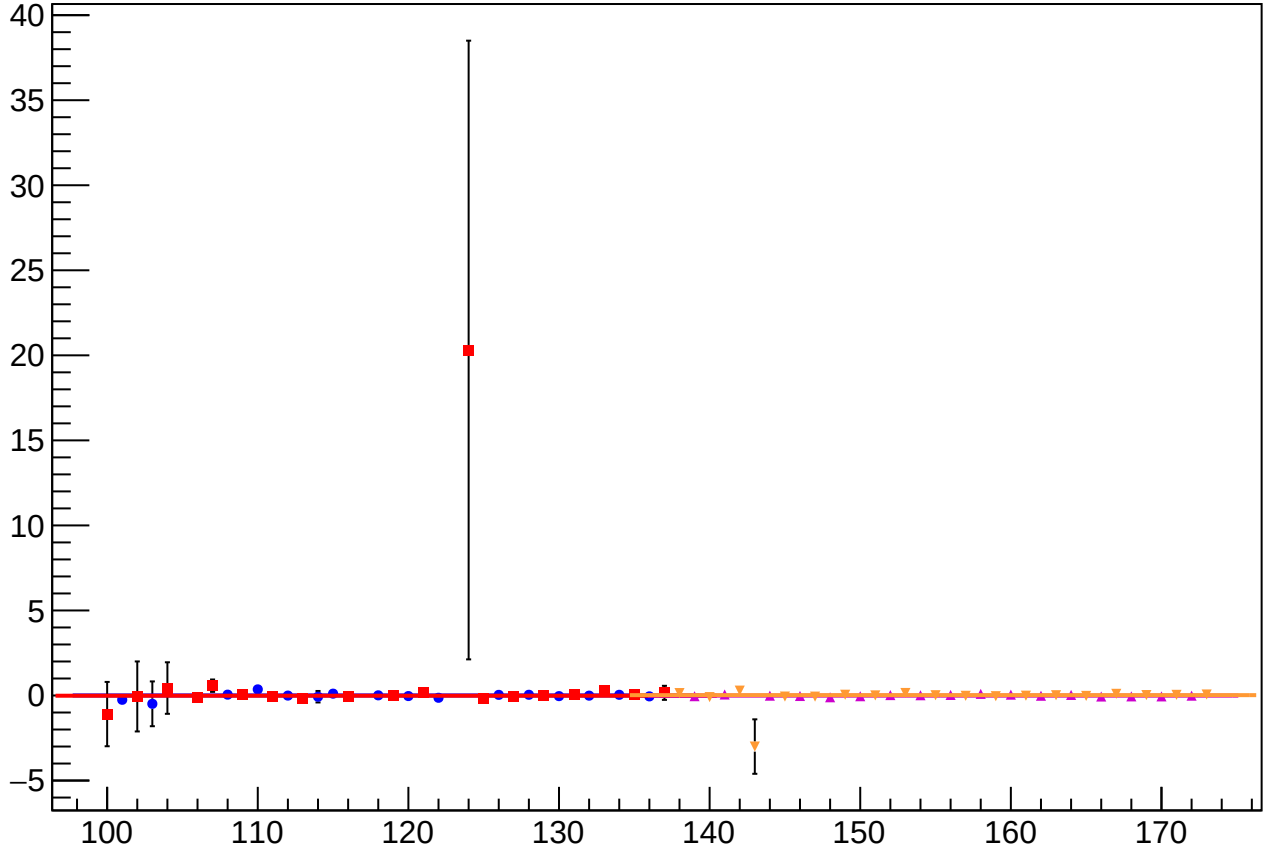
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 48.517+/-0.009 χ^2/NDF:4674838.8/32

Out: 47.676+/-0.009 χ^2/NDF:6680284.2/37

All: 48.091+/-0.006 χ^2/NDF: 11359932.6/70

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: 0.021+/-0.014 χ^2/NDF:25.0/18

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.008+/-0.014 χ^2/NDF:14.4/16

Left: 0.006+/-0.010 χ^2/NDF: 41.7/35

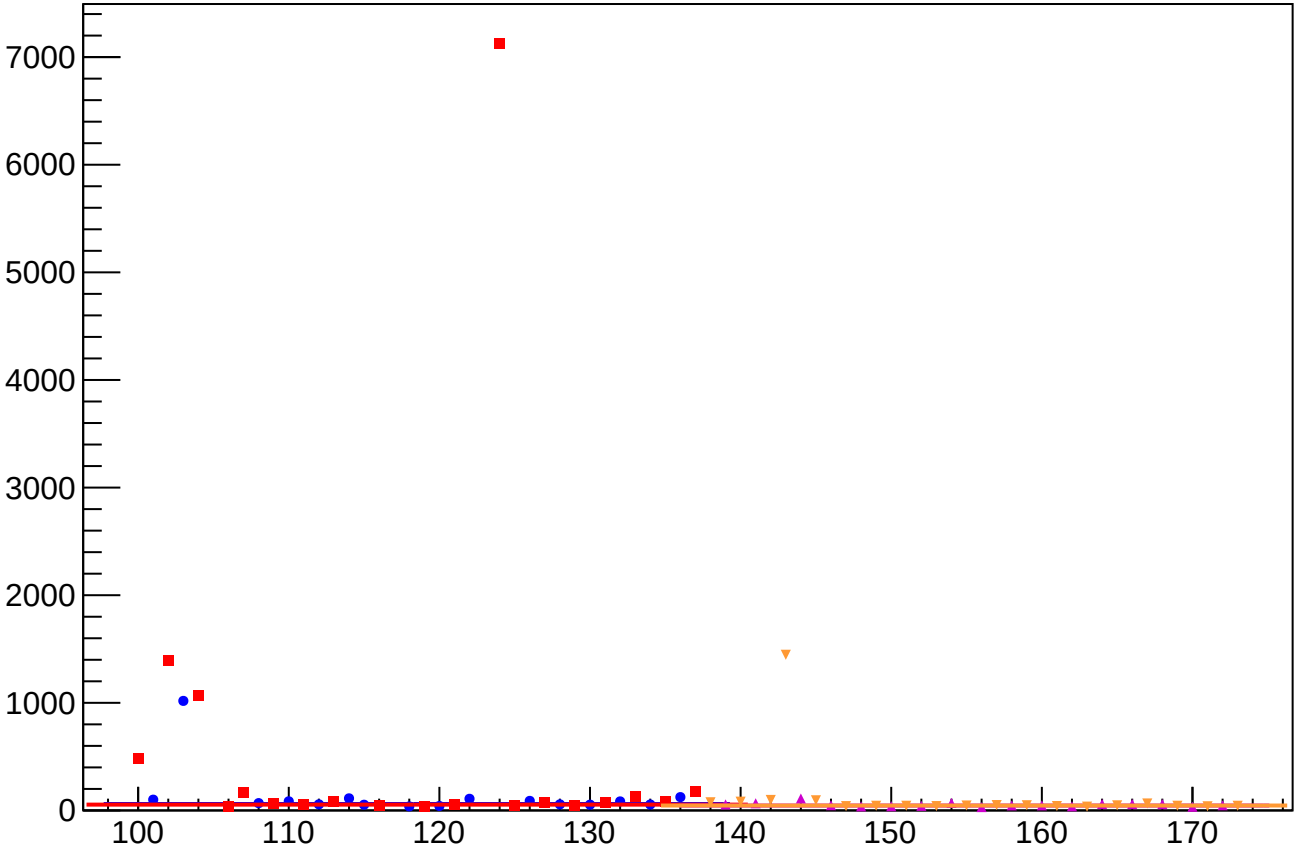
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.006+/-0.012 χ^2/NDF:26.0/32

Out: 0.014+/-0.012 χ^2/NDF:44.0/37

All: 0.004+/-0.009 χ^2/NDF: 71.2/70

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: 45.849+/-0.010 χ^2/NDF:2992960.6/18

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.531+/-0.010 χ^2/NDF:1682050.9/16

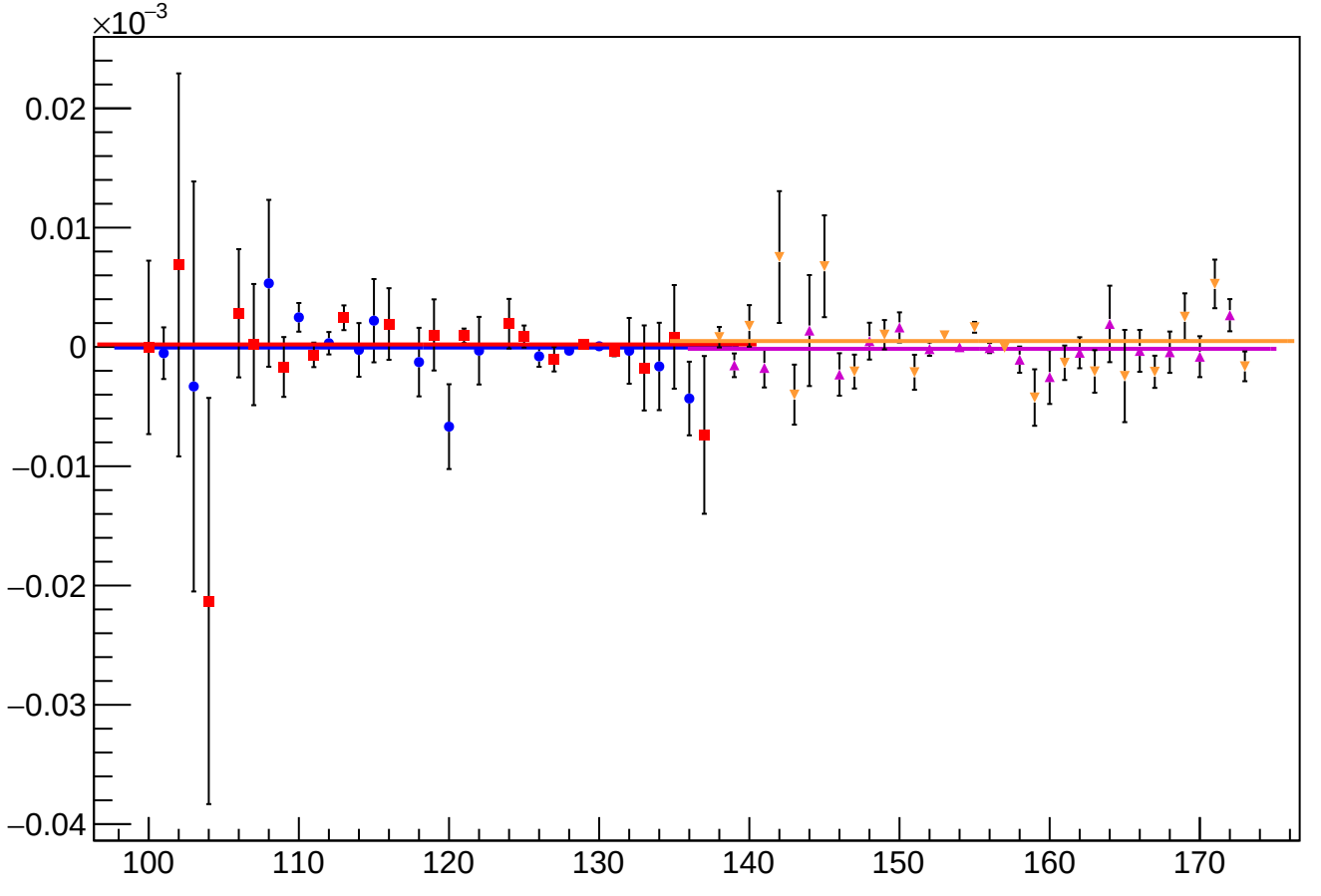
Left: 45.691+/-0.007 χ^2/NDF: 4675552.4/35

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 48.517+/-0.009 χ^2/NDF:4674838.8/32

Out: 47.676+/-0.009 χ^2/NDF:6680284.2/37

All: 48.091+/-0.006 χ^2/NDF: 11359932.6/70



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:45.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/16

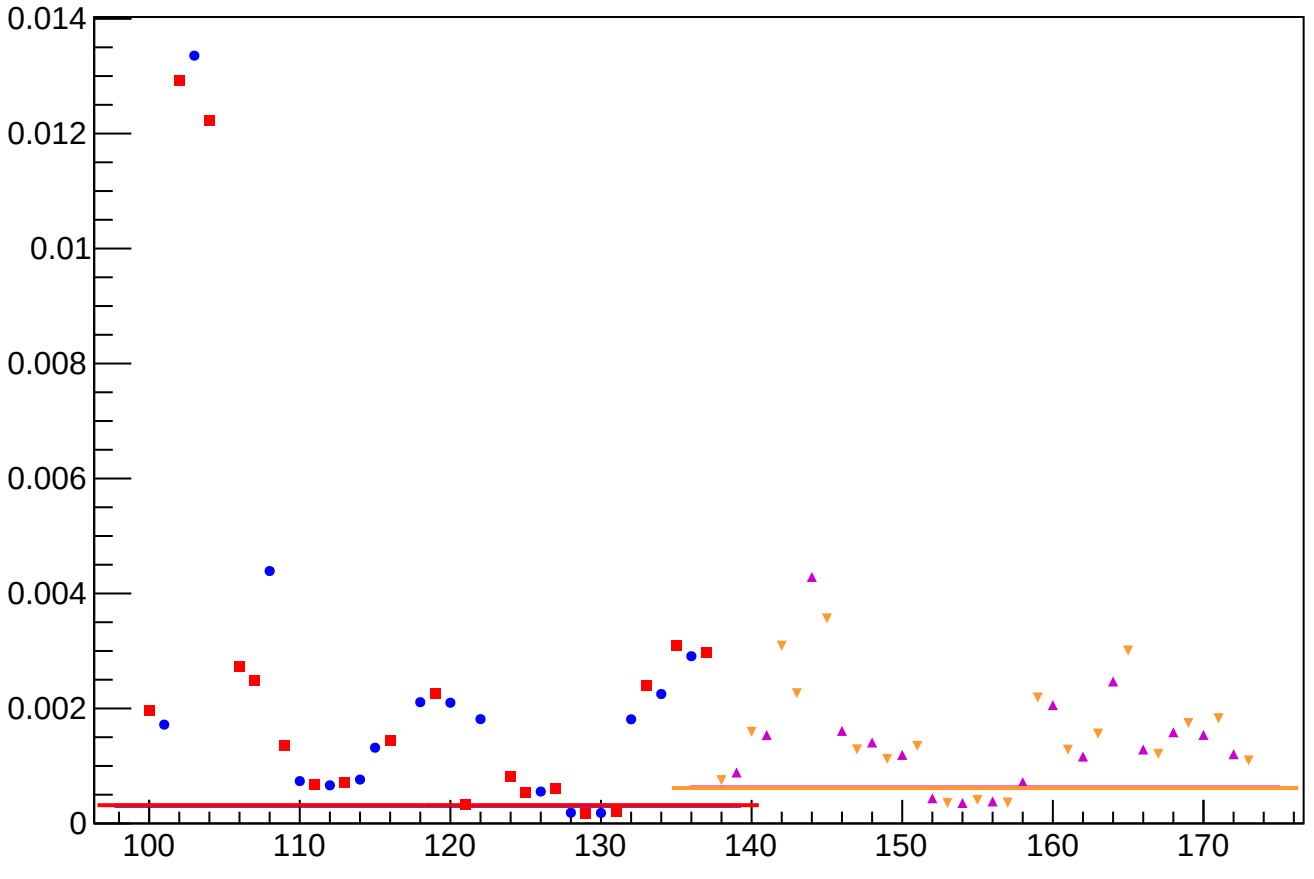
Left: 0.000+/-0.000 χ^2/NDF: 64.0/35

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:26.6/32

Out: 0.000+/-0.000 χ^2/NDF:62.2/37

All: 0.000+/-0.000 χ^2/NDF: 93.6/70



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:10993233.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:9060085.9/16

Left: 0.001+/-0.000 χ^2/NDF: 20055726.8/35

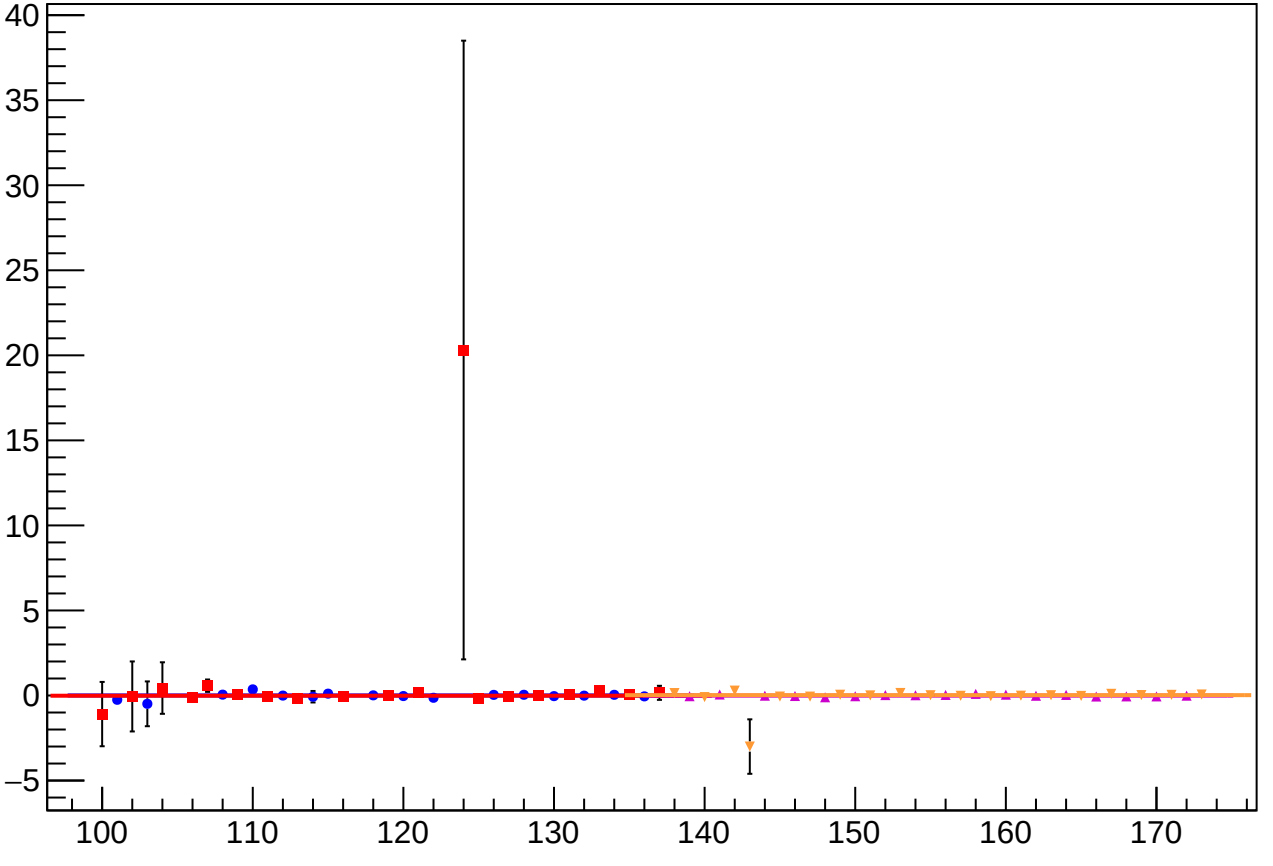
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:20224740.1/32

Out: 0.000+/-0.000 χ^2/NDF:21268005.8/37

All: 0.000+/-0.000 χ^2/NDF: 41495589.2/70

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: 0.021+/-0.014 χ^2/NDF:25.0/18

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.008+/-0.014 χ^2/NDF:14.4/16

Left: 0.006+/-0.010 χ^2/NDF: 41.7/35

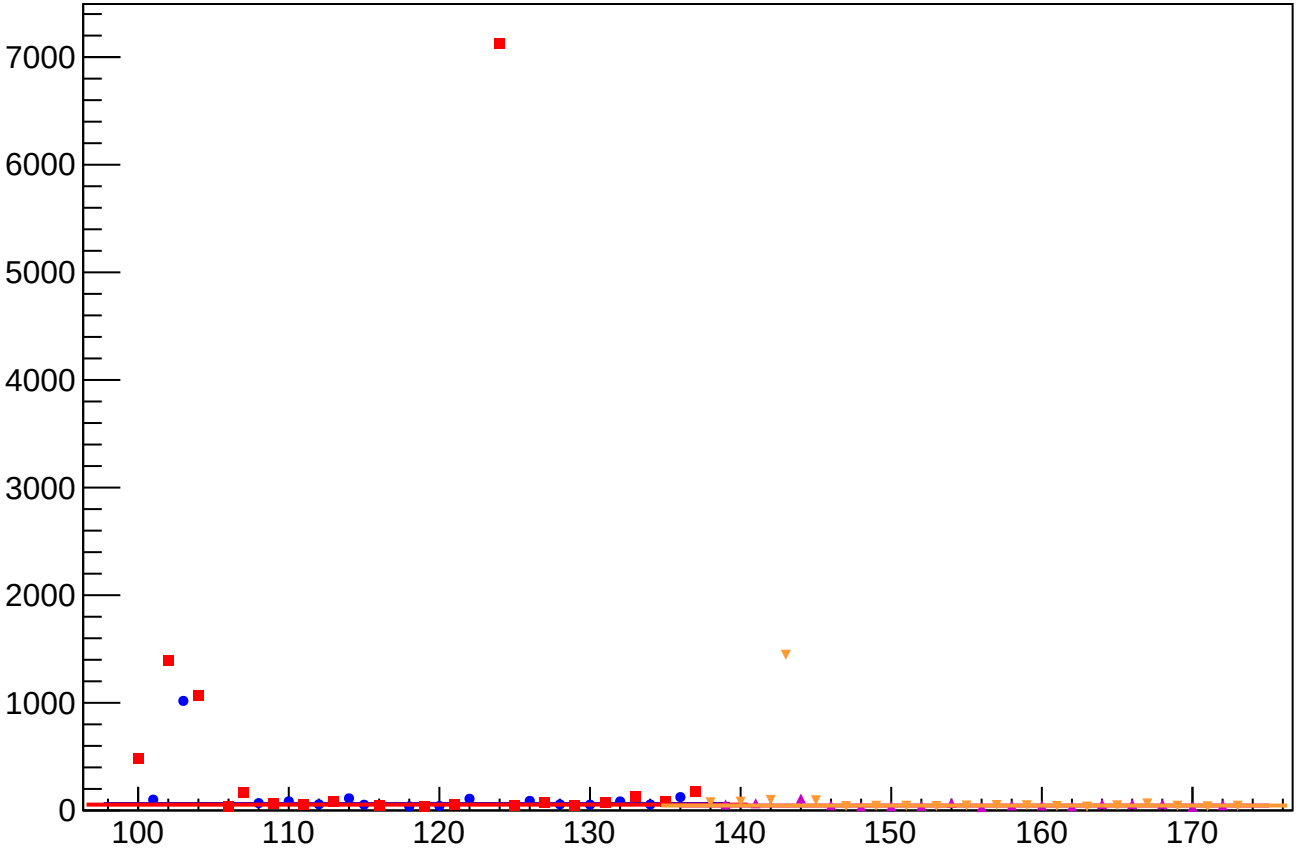
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.006+/-0.012 χ^2/NDF:26.0/32

Out: 0.014+/-0.012 χ^2/NDF:44.0/37

All: 0.004+/-0.009 χ^2/NDF: 71.2/70

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 45.849+/-0.010 χ^2/NDF:2992945.2/18

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.531+/-0.010 χ^2/NDF:1682053.5/16

Left: 45.691+/-0.007 χ^2/NDF: 4675540.4/35

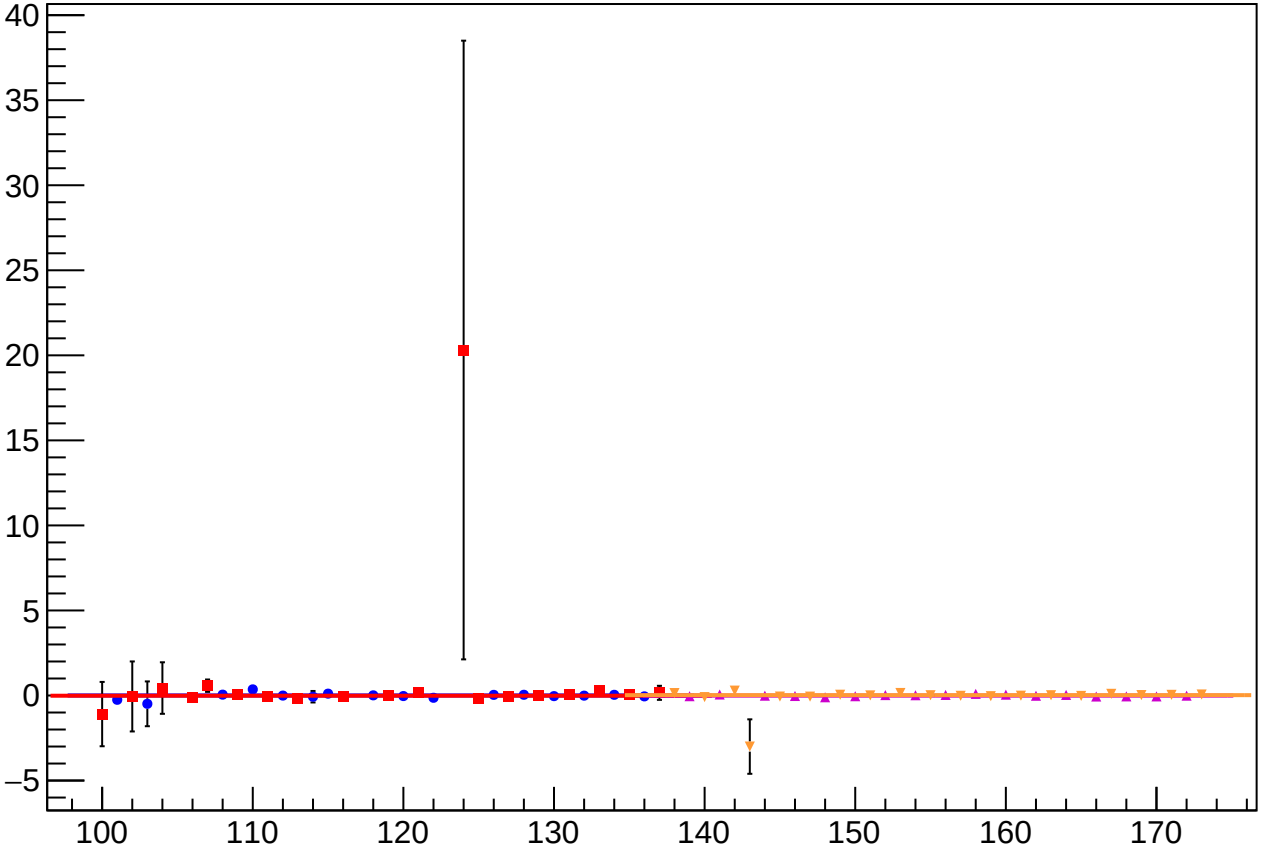
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 48.517+/-0.009 χ^2/NDF:4674844.0/32

Out: 47.676+/-0.009 χ^2/NDF:6680281.1/37

All: 48.091+/-0.006 χ^2/NDF: 11359934.4/70

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: 0.021+/-0.014 χ^2/NDF:25.0/18

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.008+/-0.014 χ^2/NDF:14.4/16

Left: 0.006+/-0.010 χ^2/NDF: 41.7/35

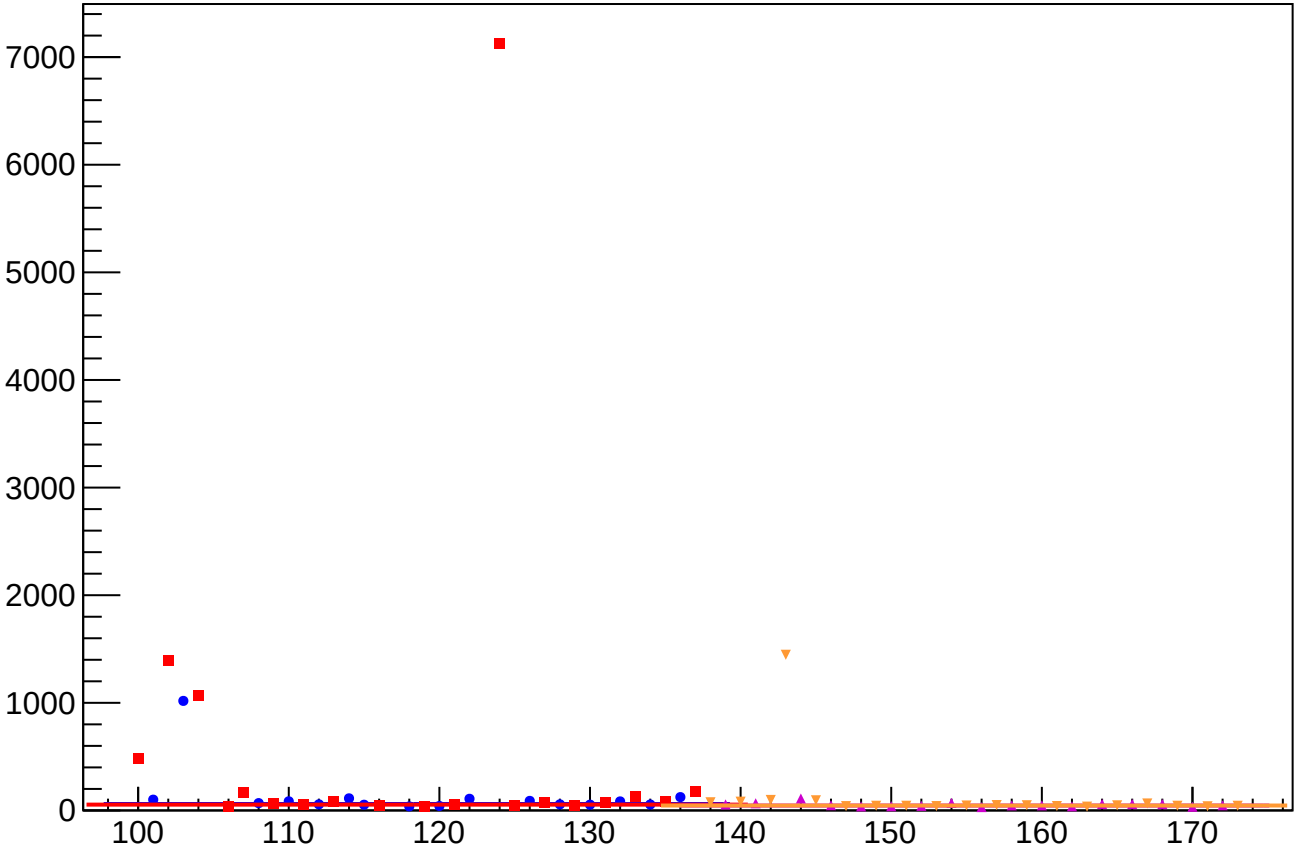
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.006+/-0.012 χ^2/NDF:26.0/32

Out: 0.014+/-0.012 χ^2/NDF:44.0/37

All: 0.004+/-0.009 χ^2/NDF: 71.2/70

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 45.849+/-0.010 χ^2/NDF:2992945.2/18

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.531+/-0.010 χ^2/NDF:1682053.5/16

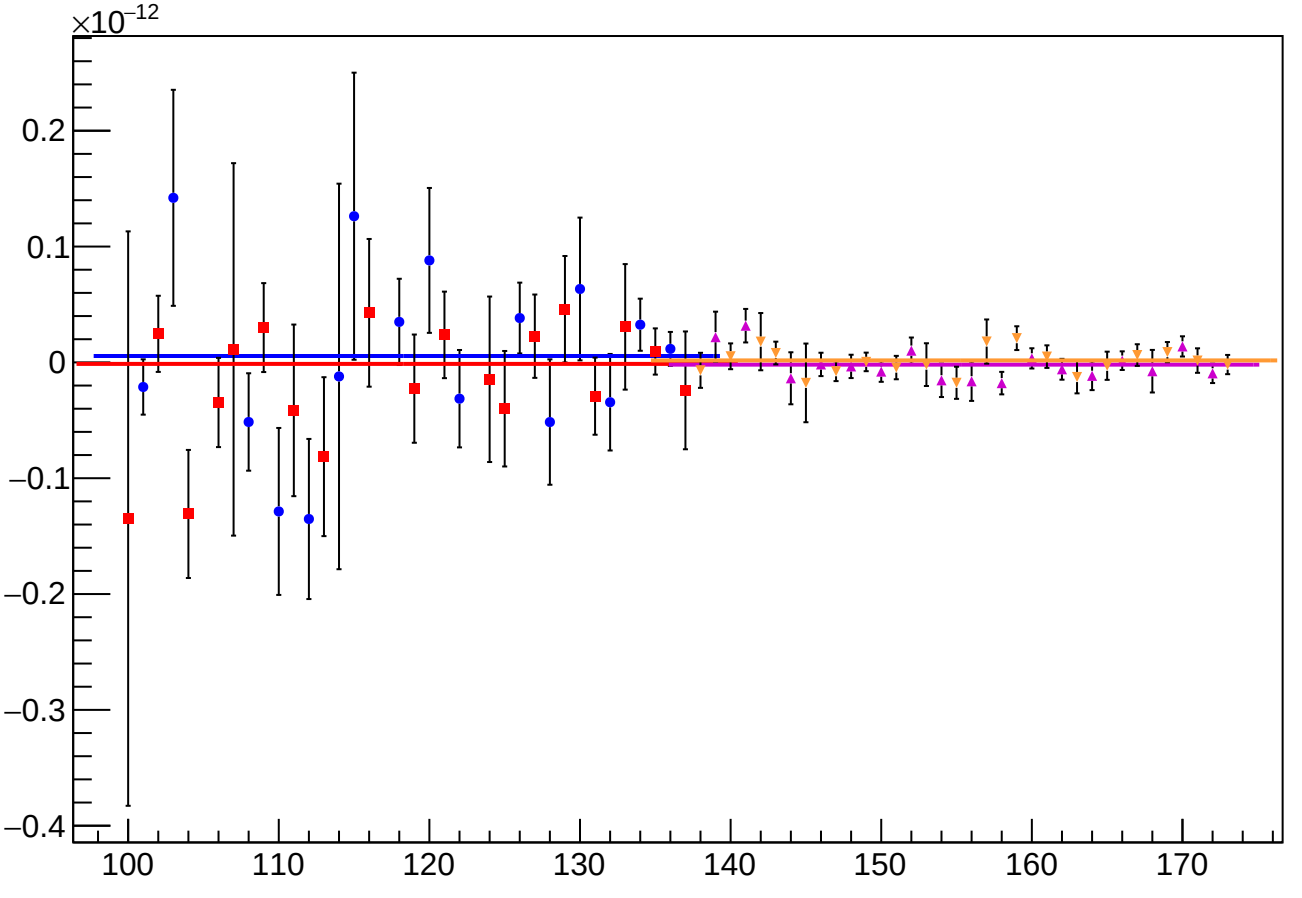
Left: 45.691+/-0.007 χ^2/NDF: 4675540.4/35

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 48.517+/-0.009 χ^2/NDF:4674844.0/32

Out: 47.676+/-0.009 χ^2/NDF:6680281.1/37

All: 48.091+/-0.006 χ^2/NDF: 11359934.4/70



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.8/18

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/16

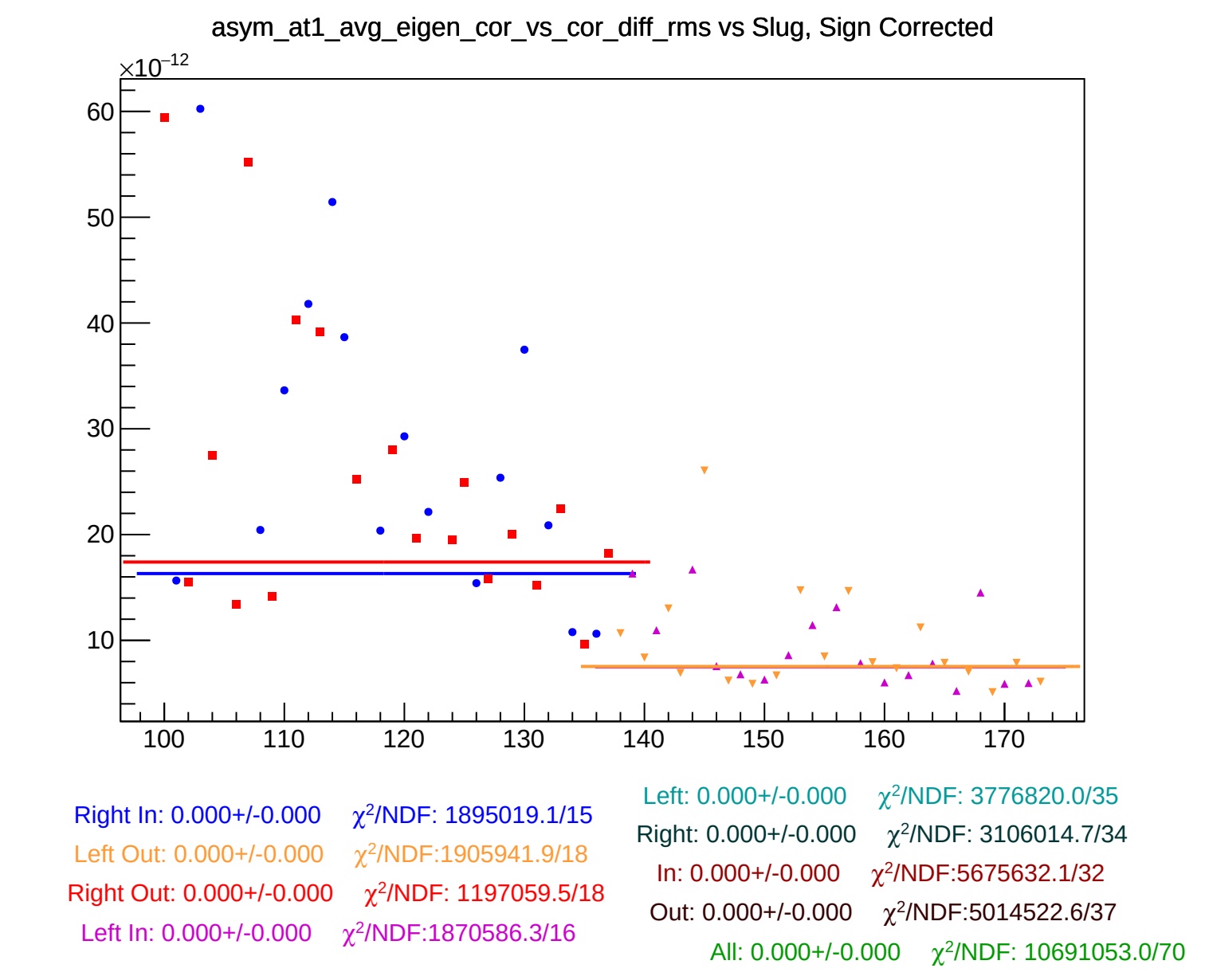
Left: -0.000+/-0.000 χ^2/NDF: 31.1/35

Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

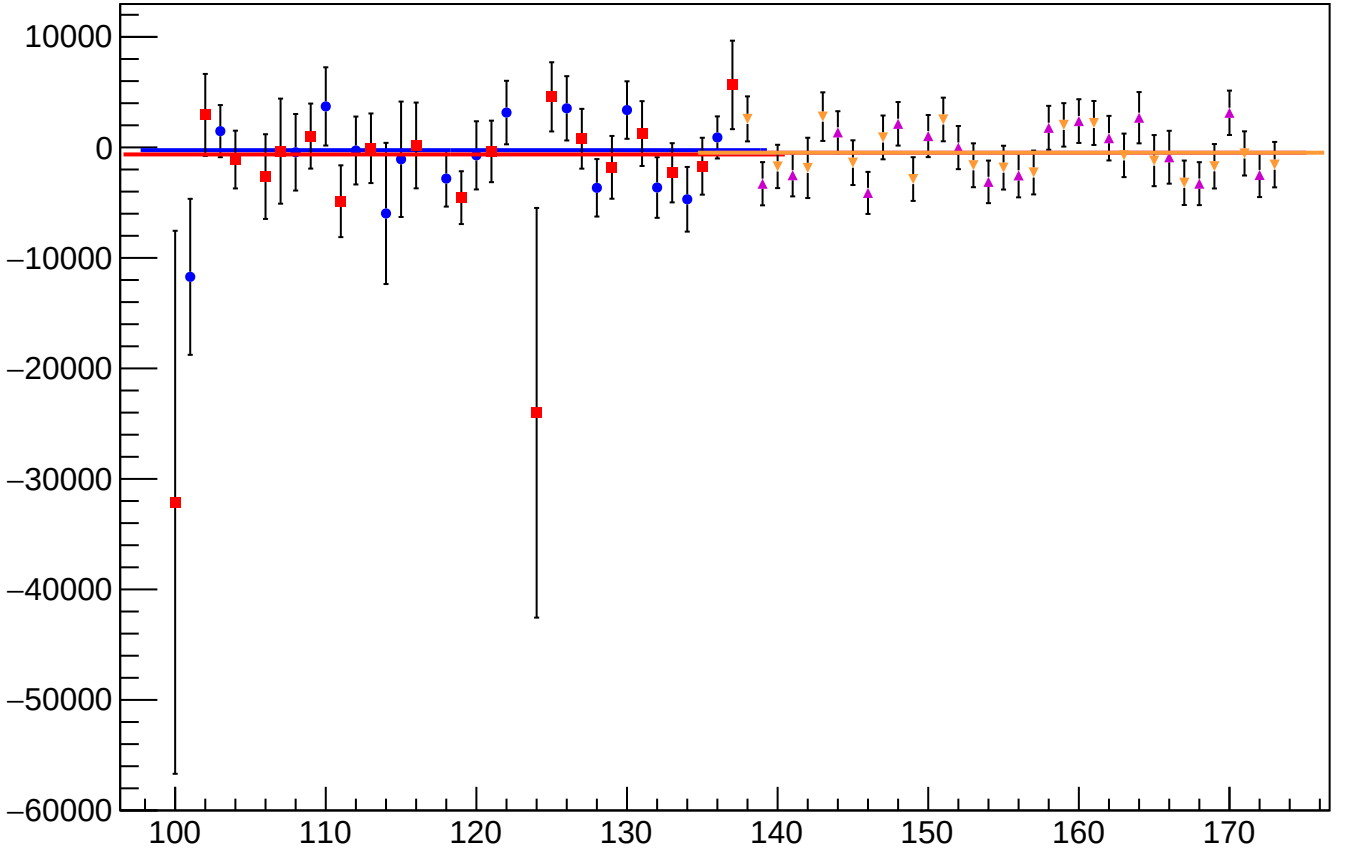
In: -0.000+/-0.000 χ^2/NDF:41.6/32

Out: 0.000+/-0.000 χ^2/NDF:26.2/37

All: 0.000+/-0.000 χ^2/NDF: 68.4/70


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
170
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1905941.9/18
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:1870586.3/16
Left: 0.000+/-0.000 χ²/NDF: 3776820.0/35
Right: 0.000+/-0.000 χ²/NDF: 3106014.7/34
In: 0.000+/-0.000 χ²/NDF:5675632.1/32
Out: 0.000+/-0.000 χ²/NDF:5014522.6/37
All: 0.000+/-0.000 χ²/NDF: 10691053.0/70

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -480.620+/-468.654 χ^2/NDF:17.2/18

Right Out: -636.082+/-735.477 χ^2/NDF: 15.9/18

Left In: -483.887+/-483.457 χ^2/NDF:25.2/16

Left: -482.203+/-336.500 χ^2/NDF: 42.4/35

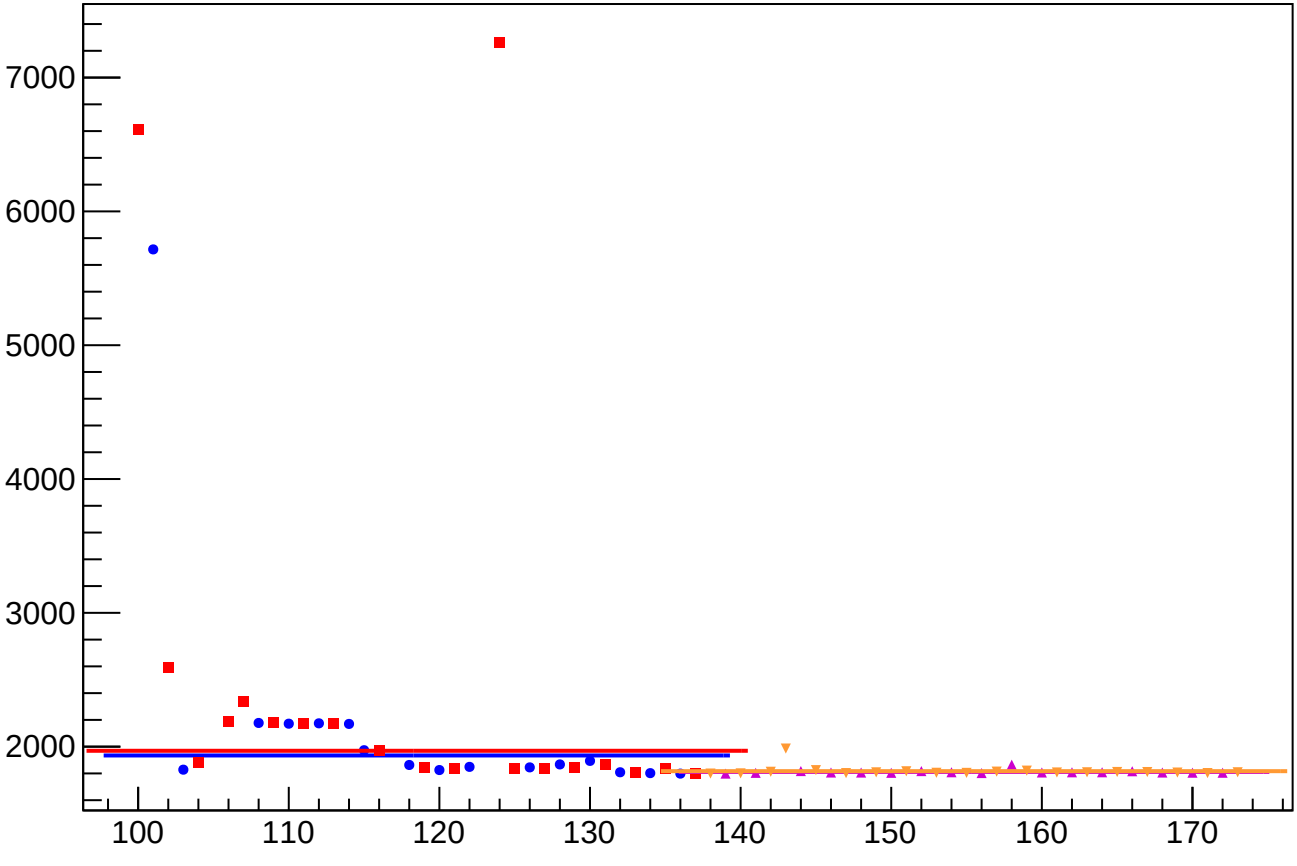
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -413.661+/-403.931 χ^2/NDF:42.5/32

Out: -525.515+/-395.234 χ^2/NDF:33.2/37

All: -470.805+/-282.497 χ^2/NDF: 75.7/70

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1816.830+/-0.331 χ^2/NDF:12768.7/18

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1811.172+/-0.342 χ^2/NDF:1789.4/16

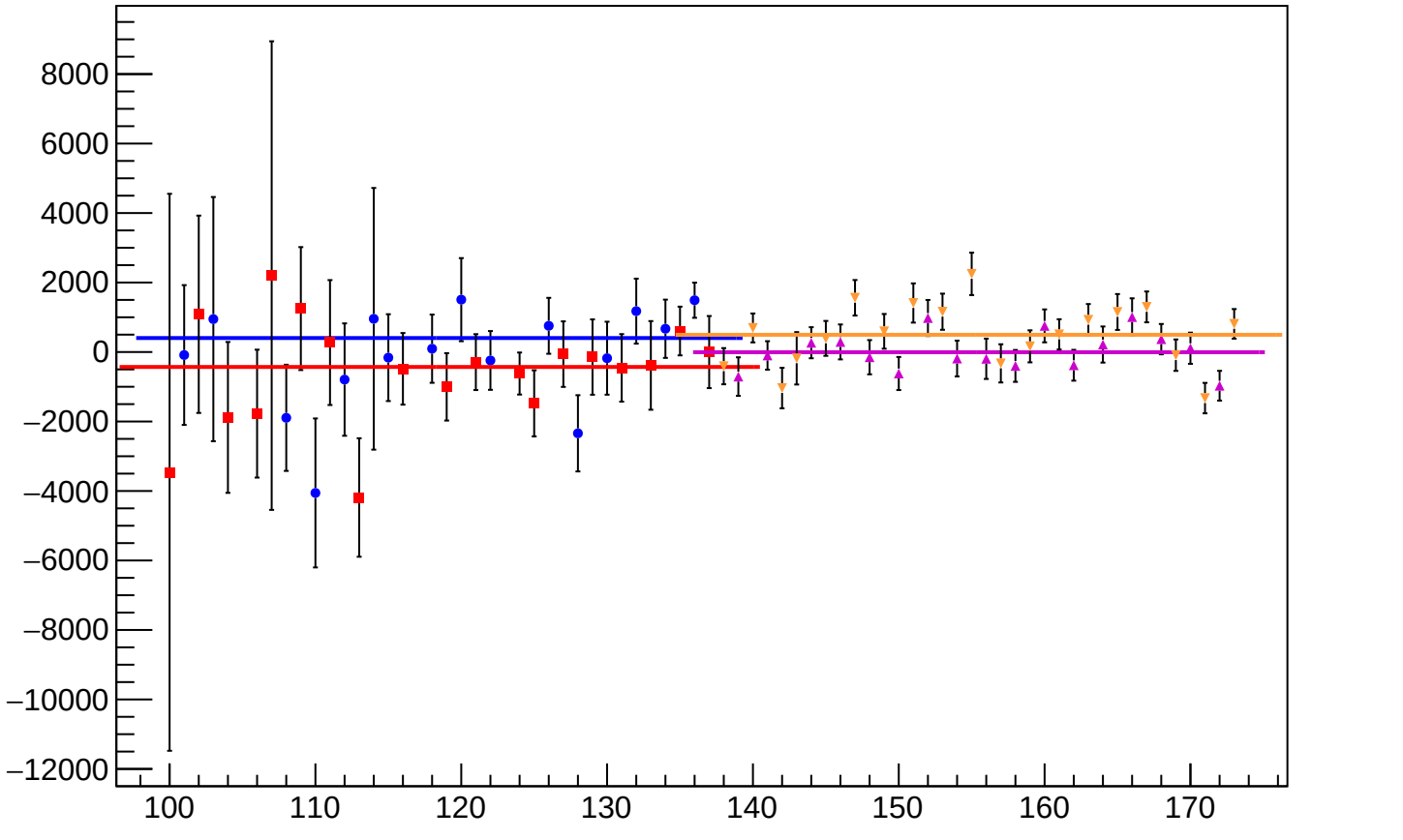
Left: 1814.089+/-0.238 χ^2/NDF: 14699.5/35

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1848.323+/-0.286 χ^2/NDF:680825.0/32

Out: 1860.833+/-0.279 χ^2/NDF:452201.9/37

All: 1854.714+/-0.200 χ^2/NDF: 1134007.0/70



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 495.780+/-113.181 χ^2/NDF:56.0/18

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -5.407+/-116.048 χ^2/NDF:21.6/16

Left: 251.454+/-81.026 χ^2/NDF: 87.1/35

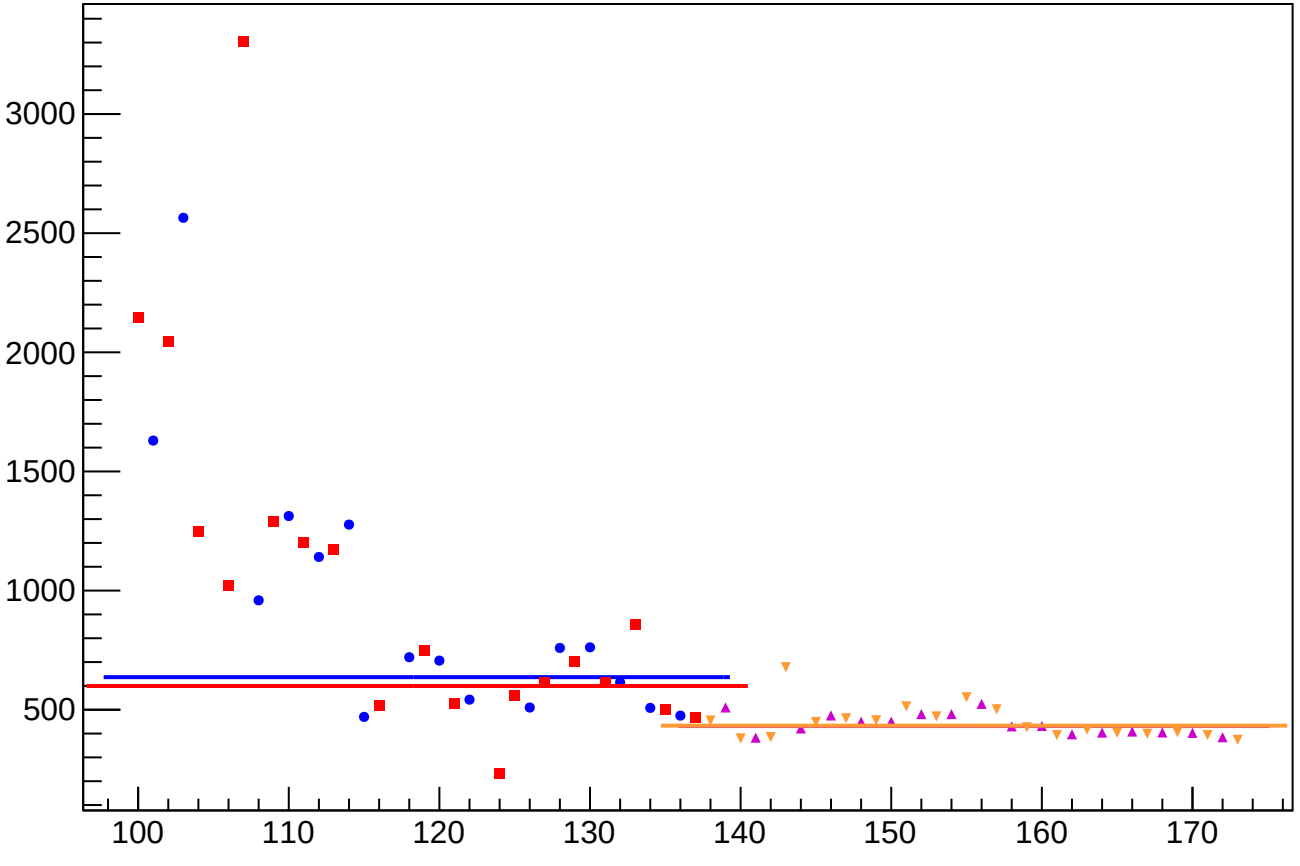
Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 63.001+/-105.874 χ^2/NDF:44.8/32

Out: 341.211+/-103.302 χ^2/NDF:78.9/37

All: 205.526+/-73.938 χ^2/NDF: 127.2/70

asym_at1_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 433.123+/-0.080 χ^2/NDF:535750.0/18

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 431.513+/-0.082 χ^2/NDF:240684.8/16

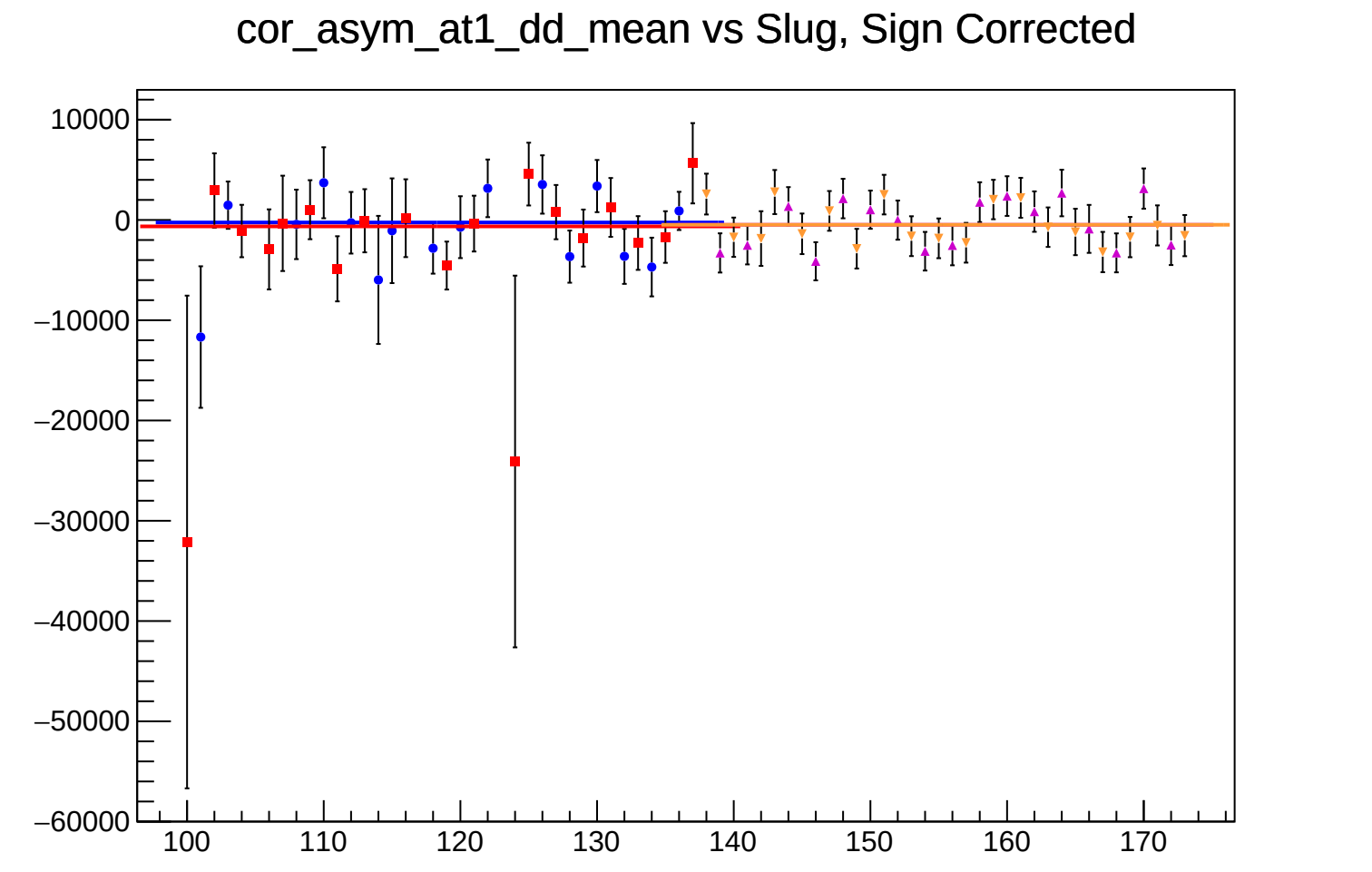
Left: 432.338+/-0.057 χ^2/NDF: 776631.9/35

Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 465.913+/-0.075 χ^2/NDF:3355821.9/32

Out: 460.921+/-0.073 χ^2/NDF:4202521.2/37

All: 463.356+/-0.052 χ^2/NDF: 7560621.1/70



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -480.638+/-468.654 χ^2/NDF:17.2/18

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -483.907+/-483.457 χ^2/NDF:25.2/16

Left: -482.222+/-336.500 χ^2/NDF: 42.4/35

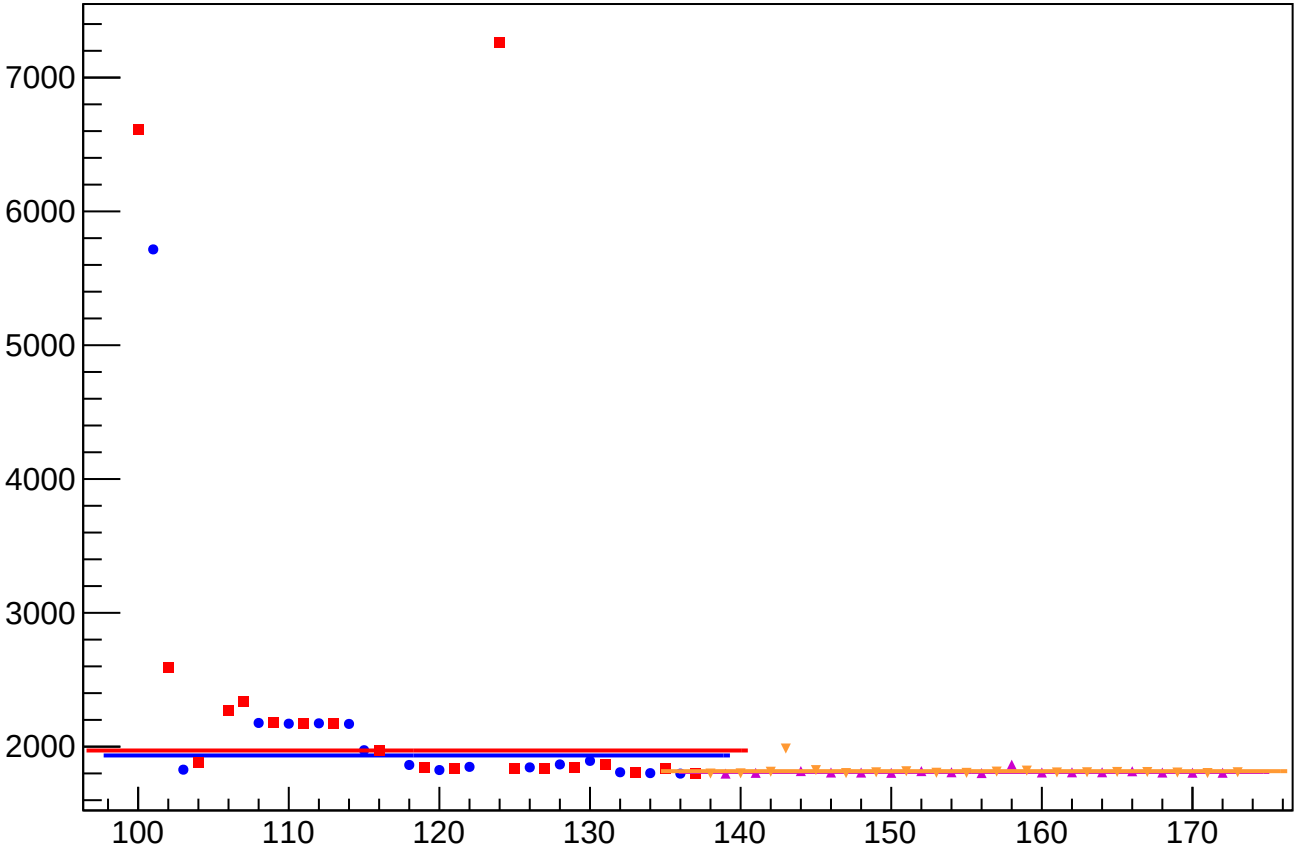
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -413.431+/-403.931 χ^2/NDF:42.5/32

Out: -526.813+/-395.400 χ^2/NDF:33.2/37

All: -471.332+/-282.558 χ^2/NDF: 75.8/70

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1816.830+/-0.331 χ^2/NDF:12768.7/18

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1811.172+/-0.342 χ^2/NDF:1789.4/16

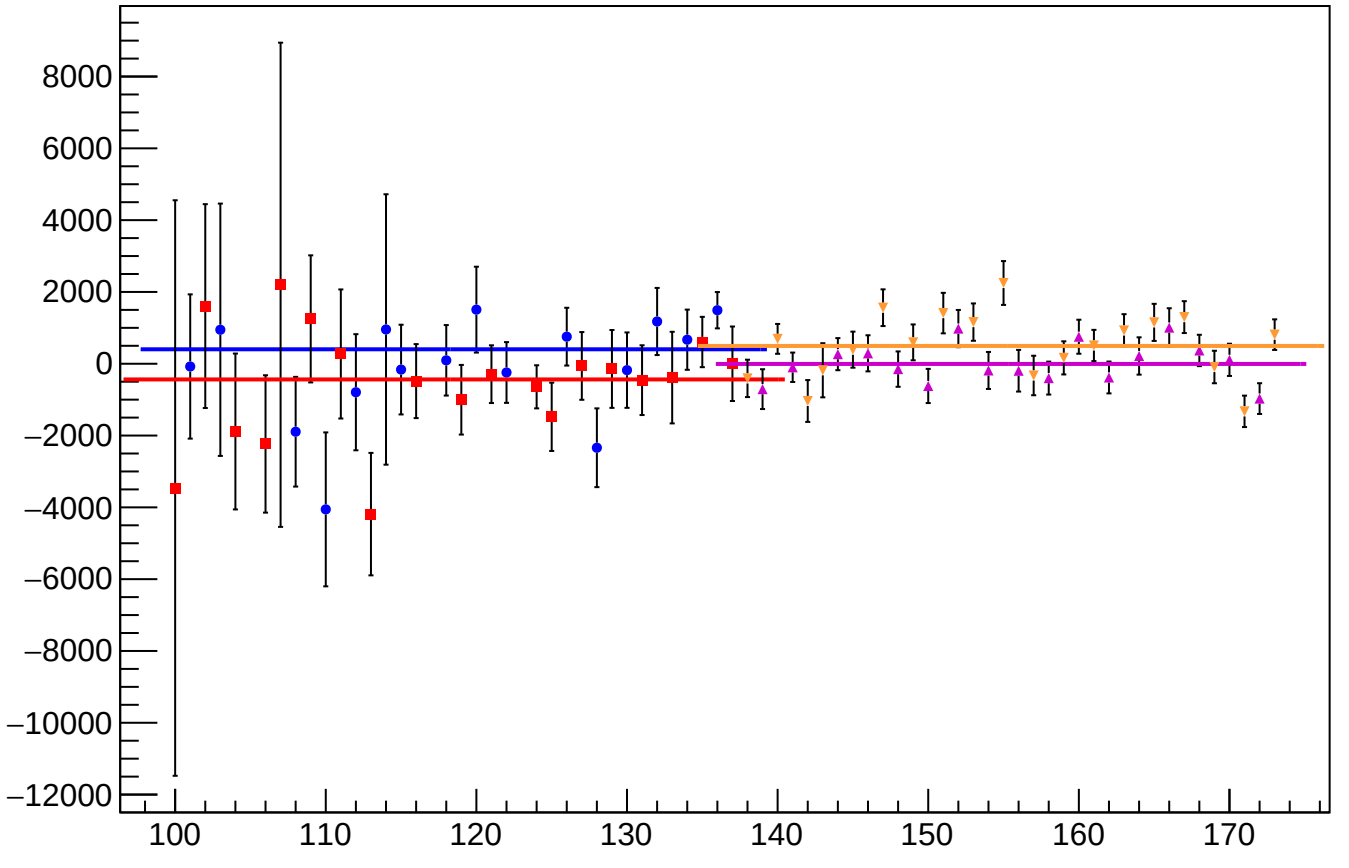
Left: 1814.089+/-0.238 χ^2/NDF: 14699.5/35

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1848.323+/-0.286 χ^2/NDF:680824.9/32

Out: 1861.363+/-0.280 χ^2/NDF:458607.0/37

All: 1854.982+/-0.200 χ^2/NDF: 1140496.2/70



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 495.769+/-113.180 χ^2/NDF:56.0/18

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -5.404+/-116.048 χ^2/NDF:21.6/16

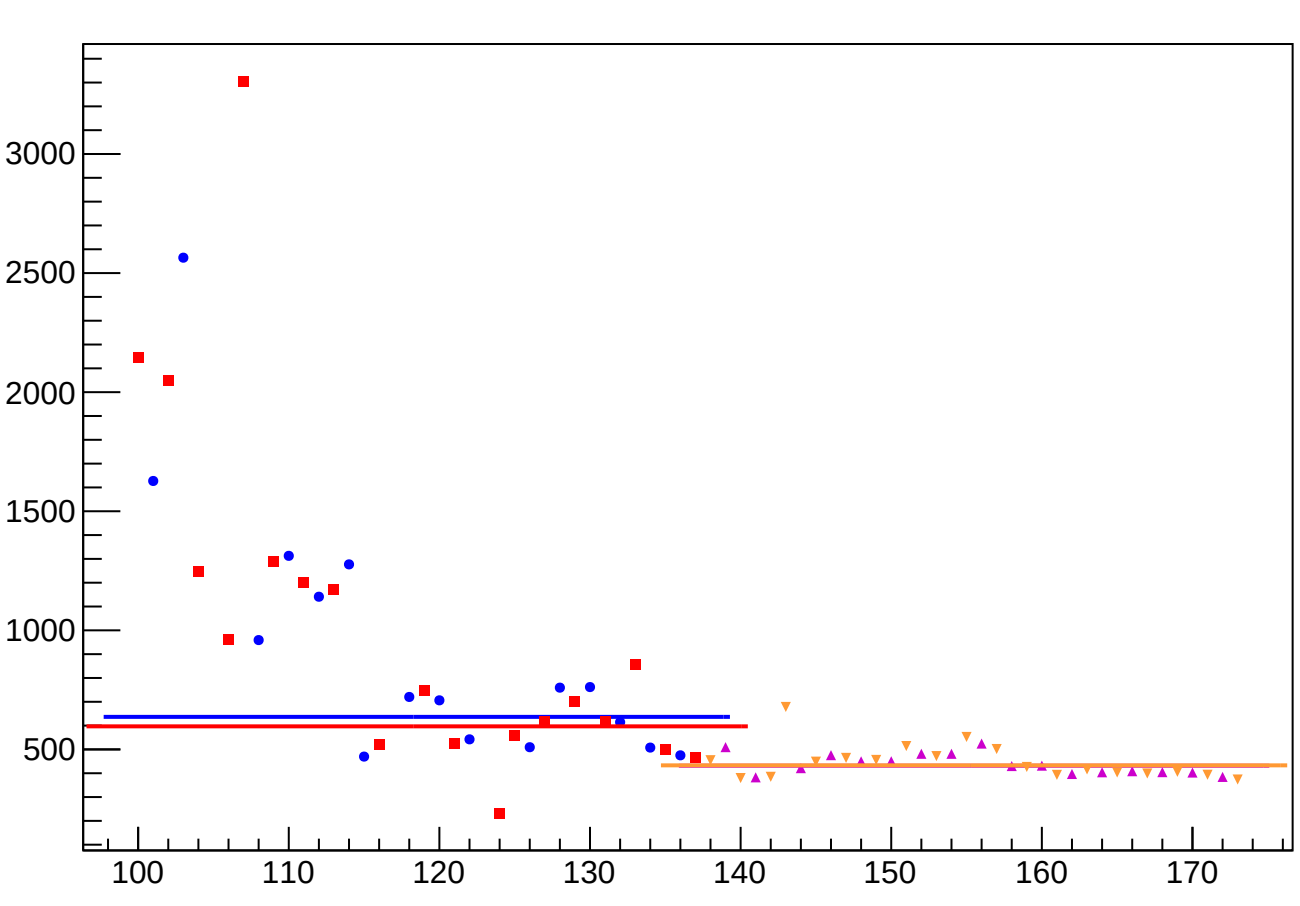
Left: 251.451+/-81.025 χ^2/NDF: 87.1/35

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 63.020+/-105.873 χ^2/NDF:44.8/32

Out: 339.943+/-103.291 χ^2/NDF:79.7/37

All: 204.899+/-73.934 χ^2/NDF: 128.0/70



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 433.119+/-0.080 χ^2/NDF:535779.1/18

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 431.512+/-0.082 χ^2/NDF:240650.7/16

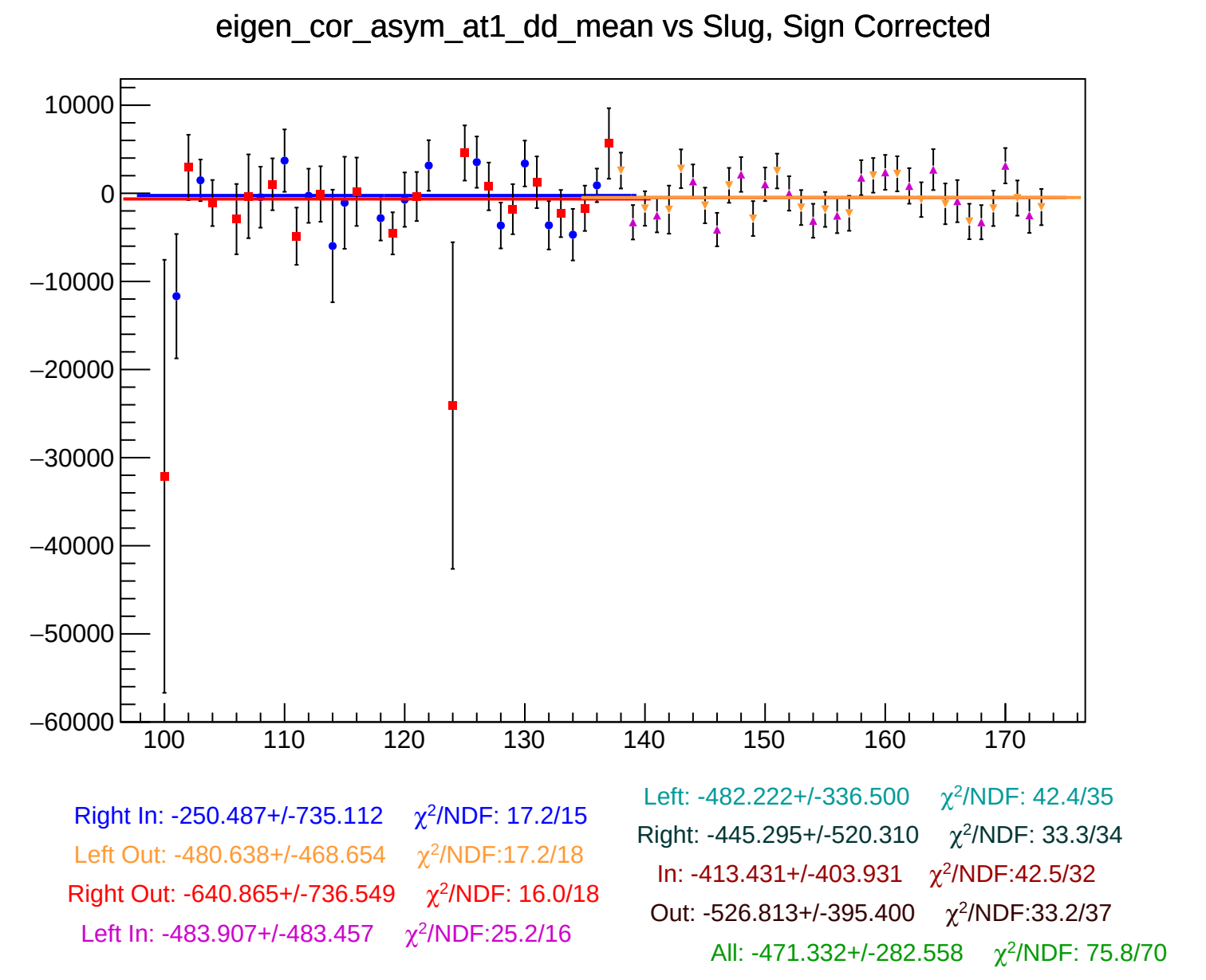
Left: 432.336+/-0.057 χ^2/NDF: 776626.4/35

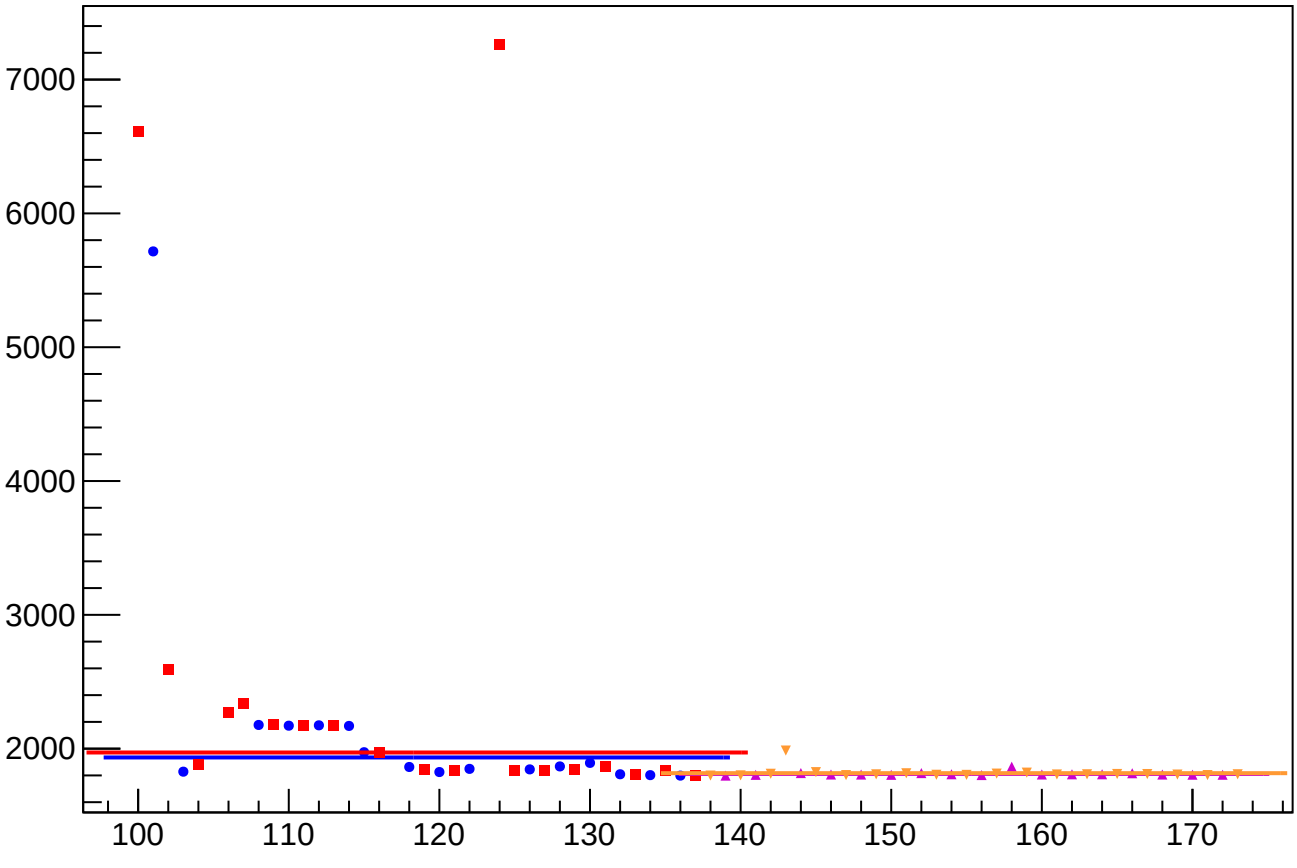
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 465.914+/-0.075 χ^2/NDF:3354982.1/32

Out: 460.483+/-0.073 χ^2/NDF:4165778.9/37

All: 463.132+/-0.052 χ^2/NDF: 7523457.6/70


eigen_cor_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
110
120
130
140
150
160
170
Right In: -250.487+/-735.112 χ²/NDF: 17.2/15
Left Out: -480.638+/-468.654 χ²/NDF:17.2/18
Right Out: -640.865+/-736.549 χ²/NDF: 16.0/18
Left In: -483.907+/-483.457 χ²/NDF:25.2/16
Left: -482.222+/-336.500 χ²/NDF: 42.4/35
Right: -445.295+/-520.310 χ²/NDF: 33.3/34
In: -413.431+/-403.931 χ²/NDF:42.5/32
Out: -526.813+/-395.400 χ²/NDF:33.2/37
All: -471.332+/-282.558 χ²/NDF: 75.8/70



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1816.830+/-0.331 χ^2/NDF:12768.7/18

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1811.172+/-0.342 χ^2/NDF:1789.4/16

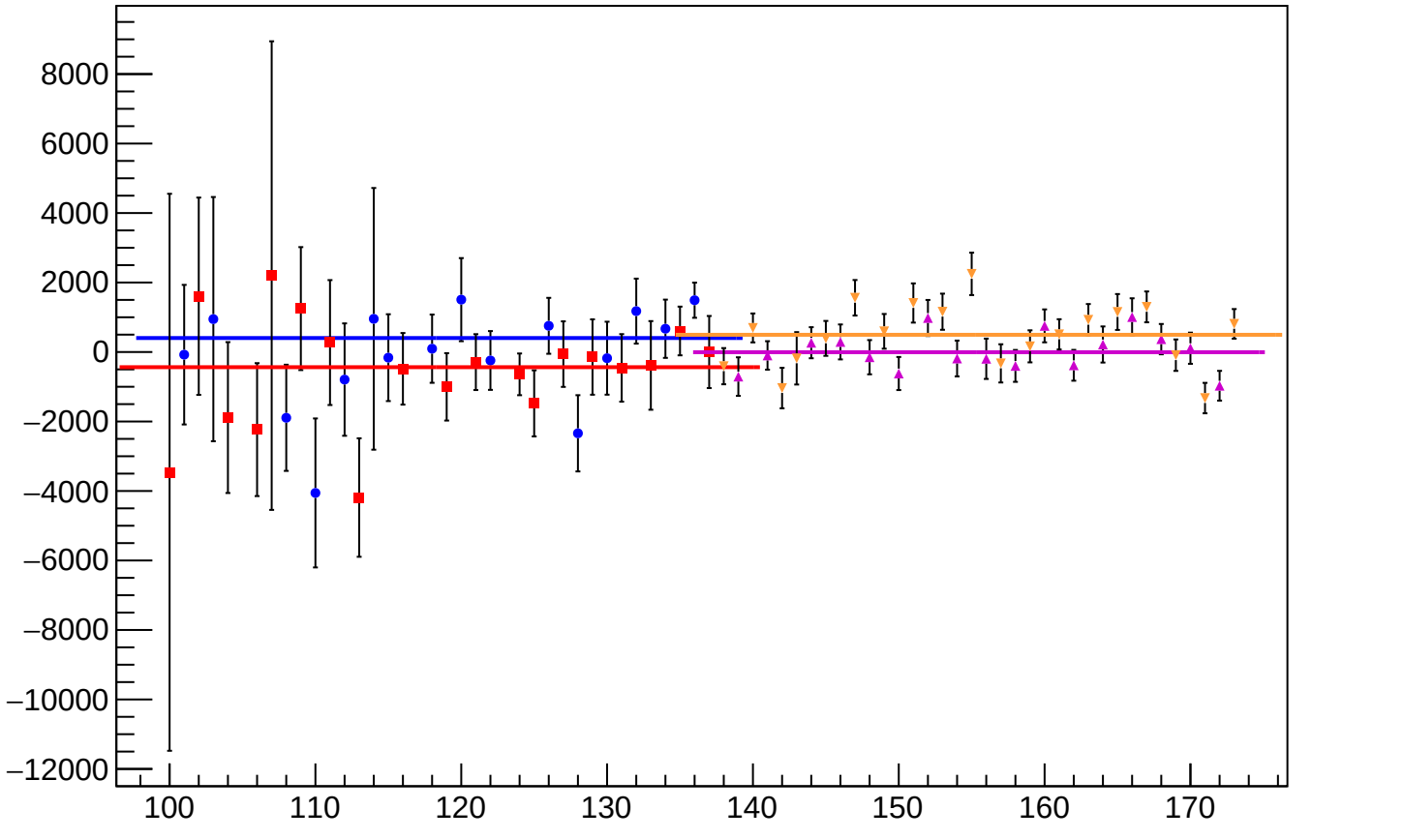
Left: 1814.089+/-0.238 χ^2/NDF: 14699.5/35

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1848.323+/-0.286 χ^2/NDF:680824.9/32

Out: 1861.363+/-0.280 χ^2/NDF:458607.0/37

All: 1854.982+/-0.200 χ^2/NDF: 1140496.2/70



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 495.769+/-113.180 χ^2/NDF:56.0/18

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -5.404+/-116.048 χ^2/NDF:21.6/16

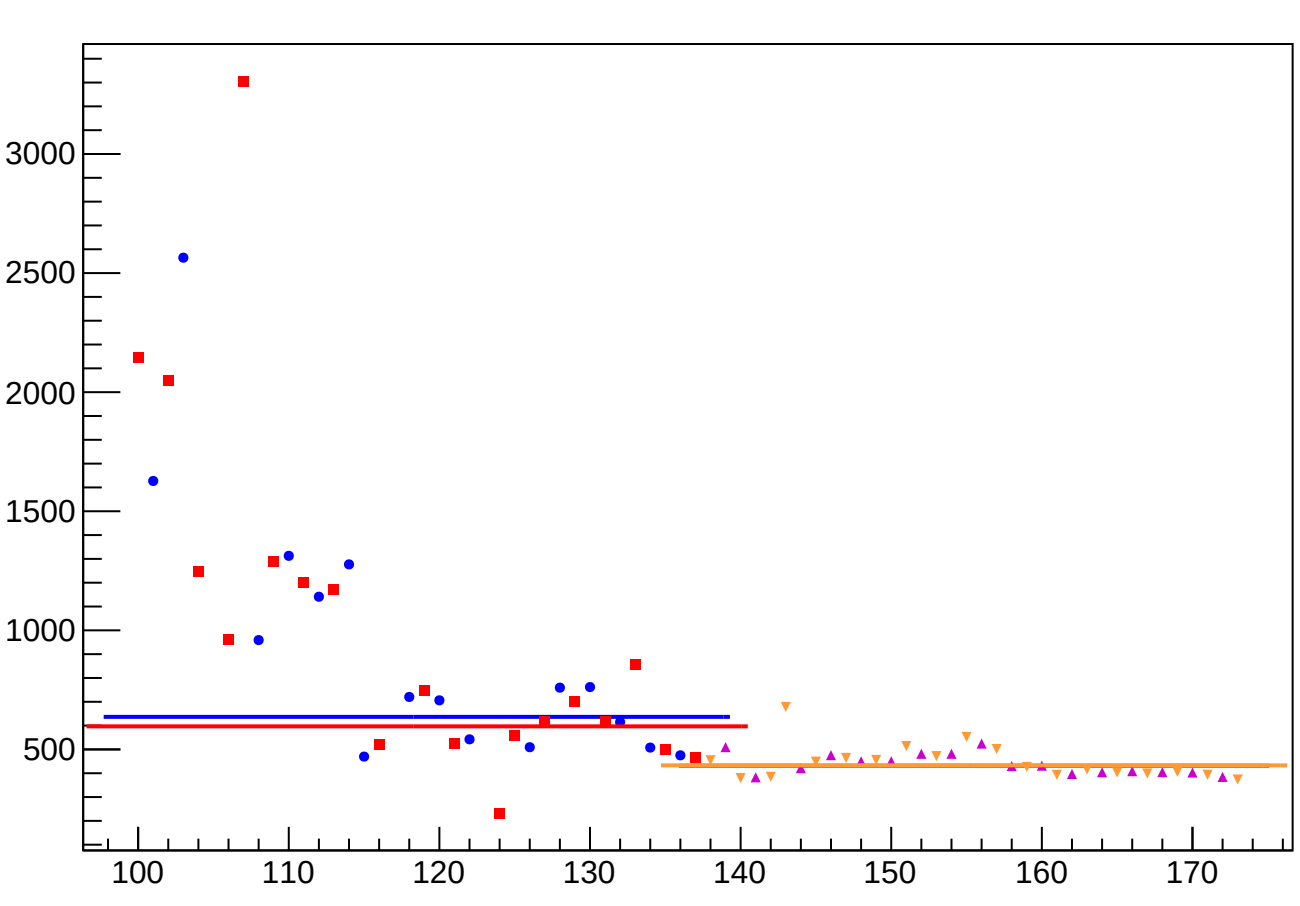
Left: 251.451+/-81.025 χ^2/NDF: 87.1/35

Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 63.020+/-105.873 χ^2/NDF:44.8/32

Out: 339.943+/-103.291 χ^2/NDF:79.7/37

All: 204.899+/-73.934 χ^2/NDF: 128.0/70



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 433.119+/-0.080 χ^2/NDF:535779.1/18

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 431.512+/-0.082 χ^2/NDF:240650.7/16

Left: 432.336+/-0.057 χ^2/NDF: 776626.4/35

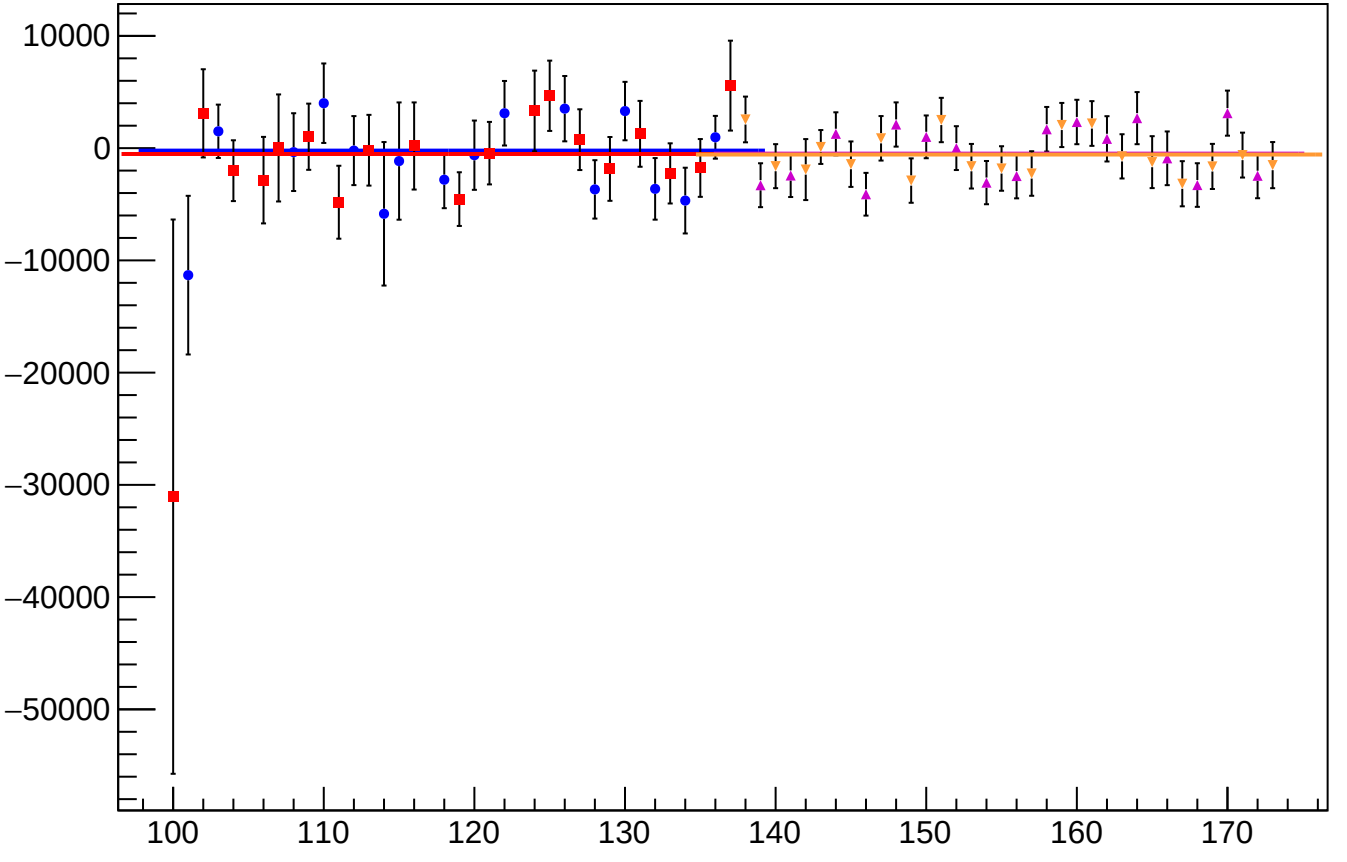
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 465.914+/-0.075 χ^2/NDF:3354982.1/32

Out: 460.483+/-0.073 χ^2/NDF:4165778.9/37

All: 463.132+/-0.052 χ^2/NDF: 7523457.6/70

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -567.681+/-457.242 χ^2/NDF:15.0/18

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -489.455+/-483.618 χ^2/NDF:24.6/16

Left: -530.759+/-332.252 χ^2/NDF: 39.6/35

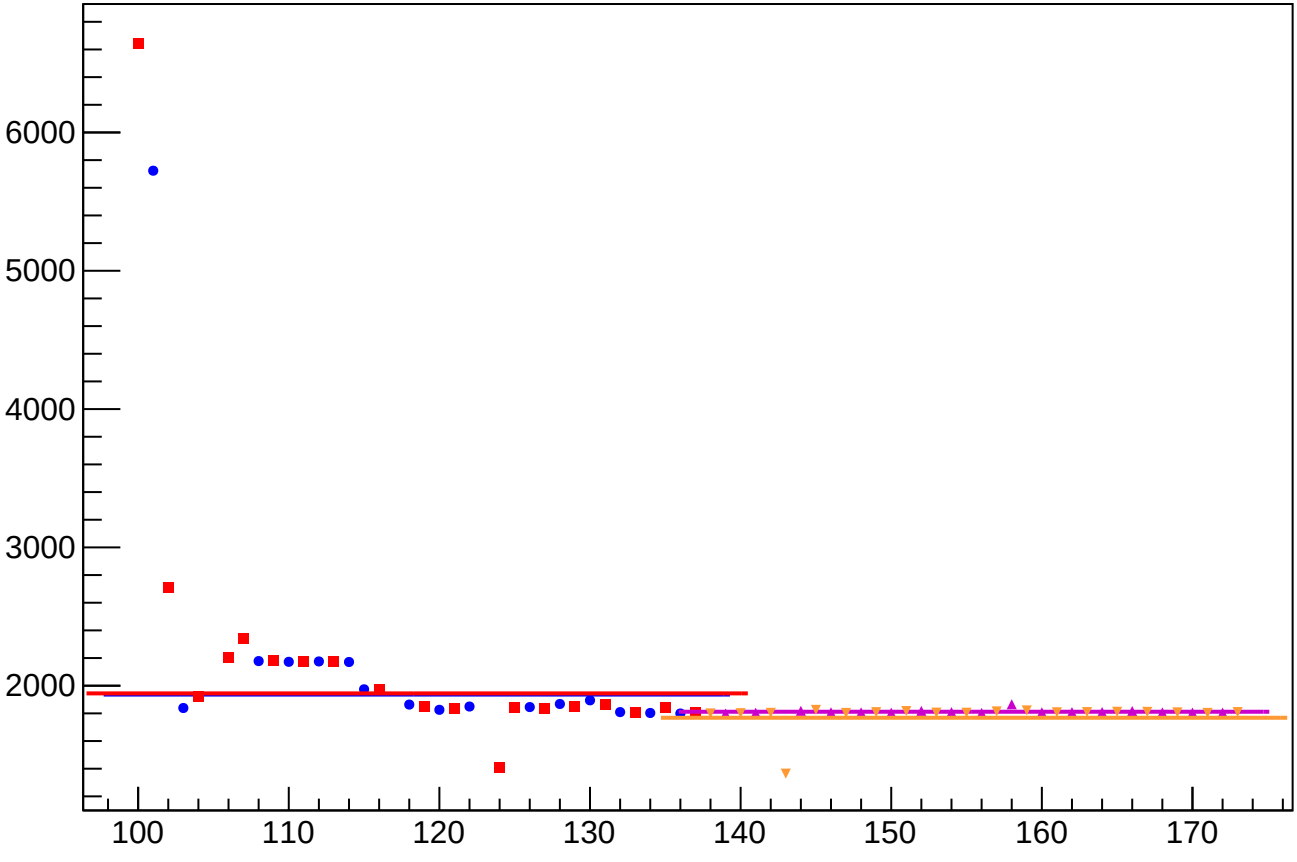
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -408.299+/-404.153 χ^2/NDF:41.8/32

Out: -554.187+/-386.747 χ^2/NDF:30.6/37

All: -484.452+/-279.423 χ^2/NDF: 72.4/70

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1768.269+/-0.323 χ^2/NDF:158052.1/18

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1811.773+/-0.342 χ^2/NDF:1785.7/16

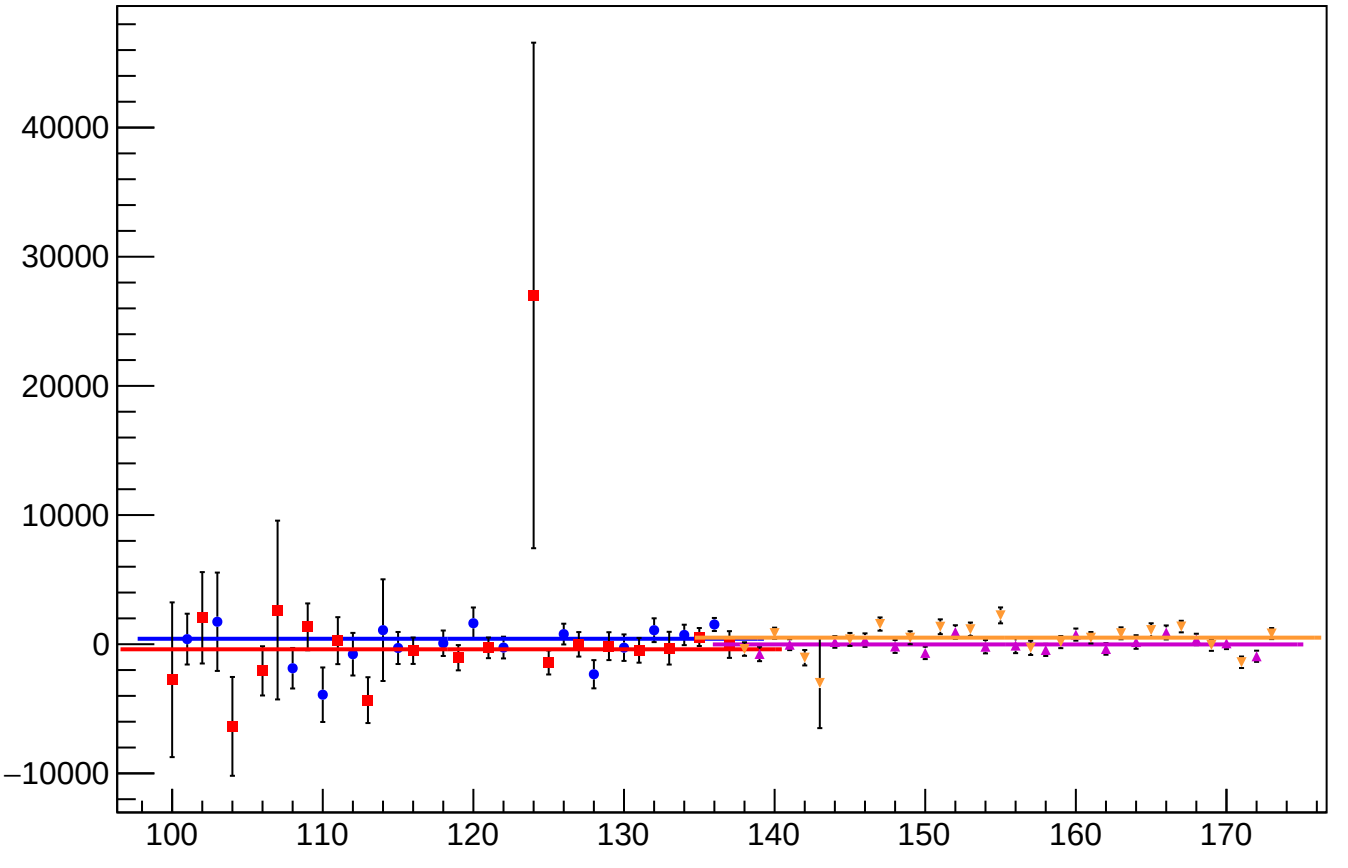
Left: 1788.803+/-0.235 χ^2/NDF: 168383.2/35

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1849.236+/-0.286 χ^2/NDF:681381.0/32

Out: 1818.419+/-0.273 χ^2/NDF:518819.0/37

All: 1833.150+/-0.198 χ^2/NDF: 1206269.6/70



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 508.212+/-115.973 χ^2/NDF:55.4/18

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: -16.534+/-117.695 χ^2/NDF:20.1/16

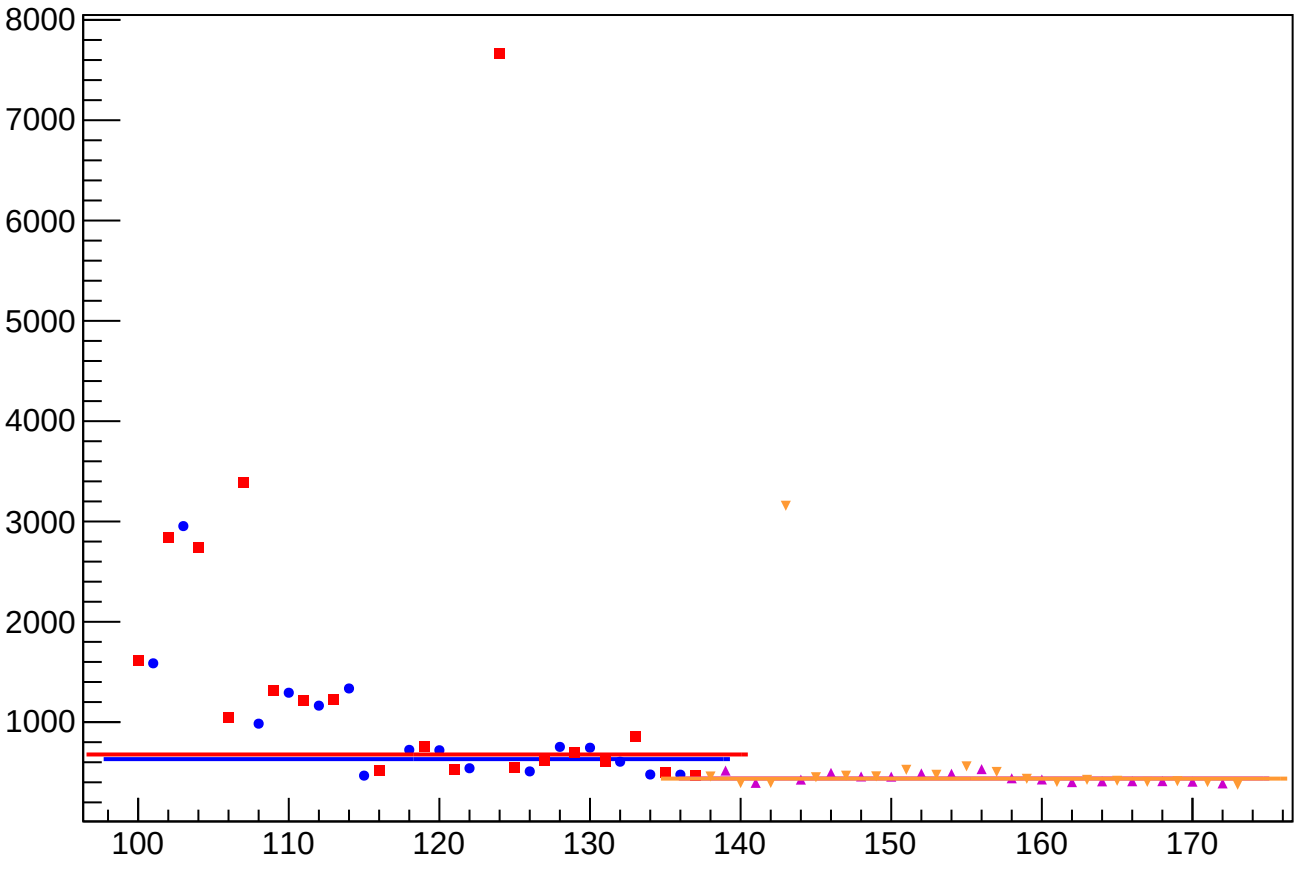
Left: 249.706+/-82.607 χ^2/NDF: 85.5/35

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 59.467+/-106.990 χ^2/NDF:44.0/32

Out: 375.807+/-107.121 χ^2/NDF:80.1/37

All: 217.442+/-75.700 χ^2/NDF: 128.4/70



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 436.919+/-0.082 χ^2/NDF:1511323.0/18

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 438.063+/-0.083 χ^2/NDF:243991.8/16

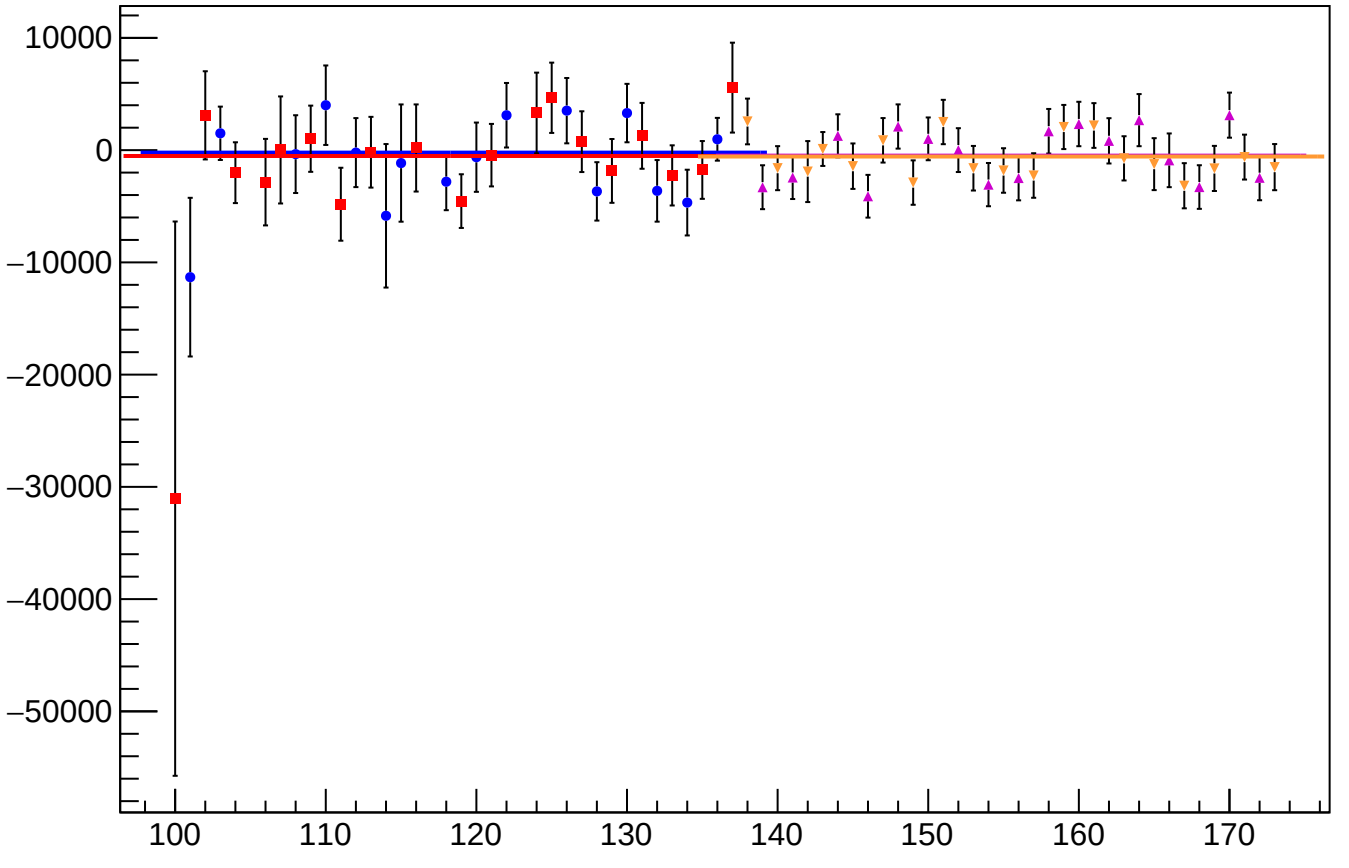
Left: 437.483+/-0.058 χ^2/NDF: 1755410.7/35

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 471.590+/-0.076 χ^2/NDF:3413094.0/32

Out: 472.233+/-0.076 χ^2/NDF:5855906.4/37

All: 471.911+/-0.054 χ^2/NDF: 9269036.4/70



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -567.682+/-457.242 χ^2/NDF:15.0/18

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -489.455+/-483.618 χ^2/NDF:24.6/16

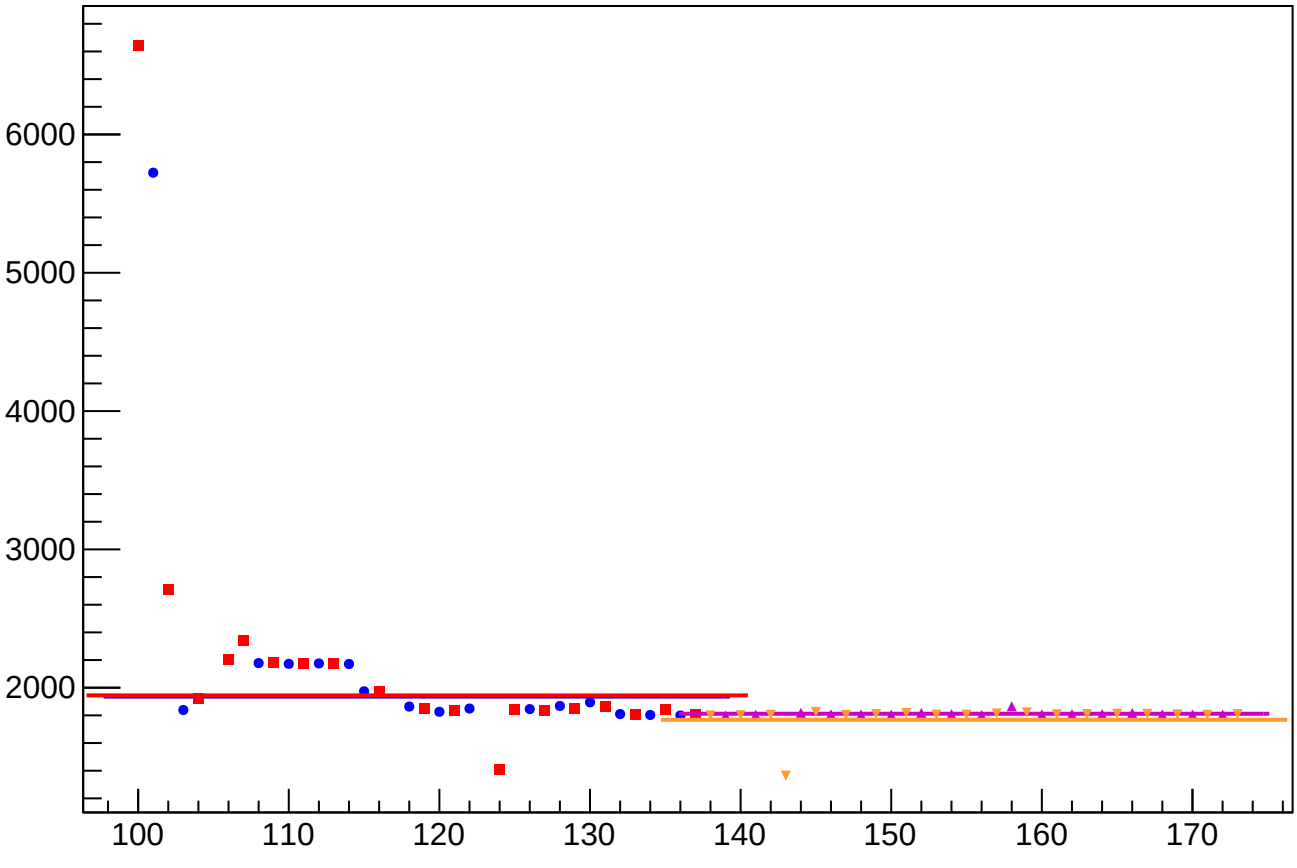
Left: -530.759+/-332.252 χ^2/NDF: 39.6/35

Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -408.299+/-404.153 χ^2/NDF:41.8/32

Out: -554.188+/-386.747 χ^2/NDF:30.6/37

All: -484.453+/-279.423 χ^2/NDF: 72.4/70



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1768.269+/-0.323 χ^2/NDF:158052.1/18

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1811.773+/-0.342 χ^2/NDF:1785.7/16

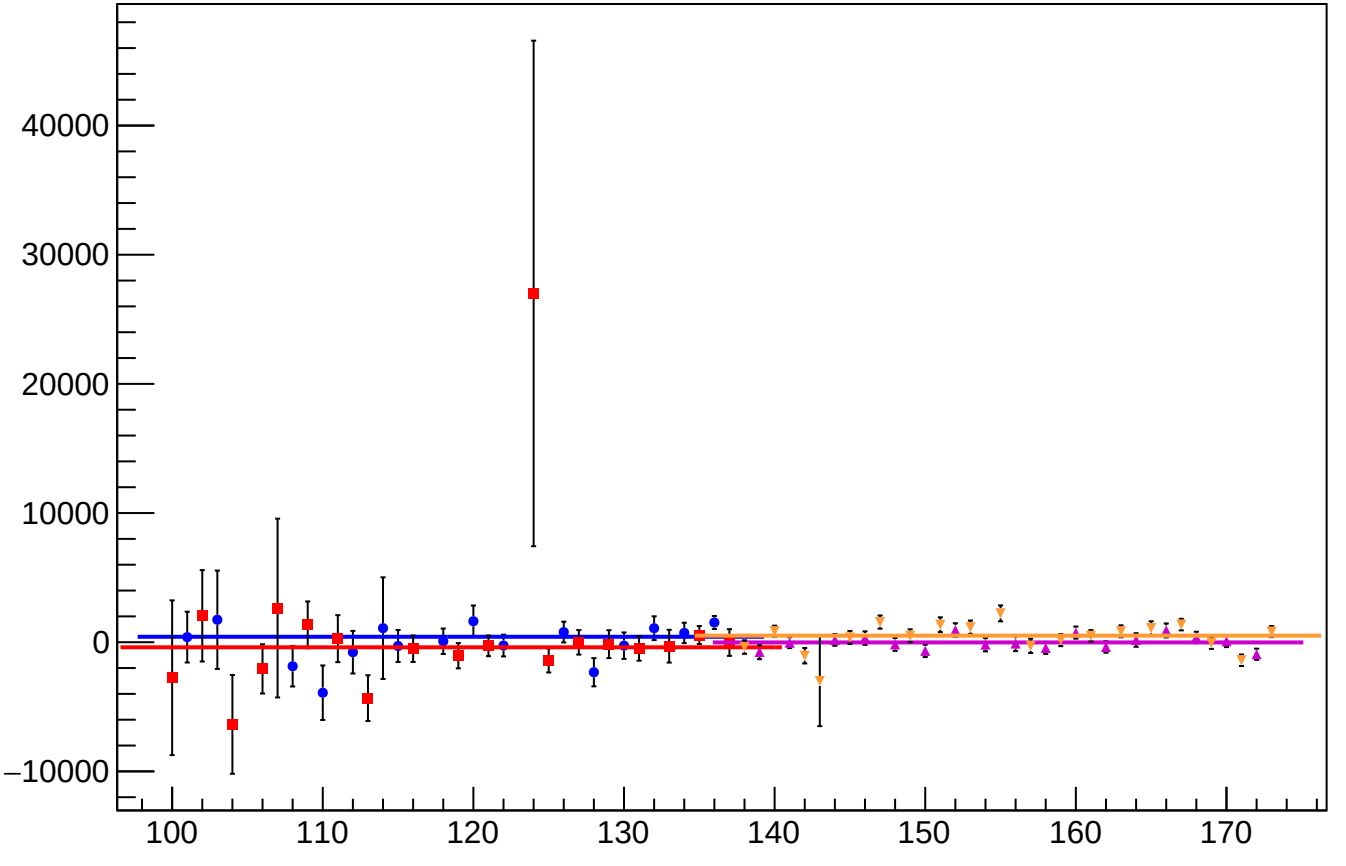
Left: 1788.803+/-0.235 χ^2/NDF: 168383.1/35

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1849.236+/-0.286 χ^2/NDF:681381.0/32

Out: 1818.419+/-0.273 χ^2/NDF:518818.8/37

All: 1833.150+/-0.198 χ^2/NDF: 1206269.4/70



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 508.212+/-115.973 χ^2/NDF:55.4/18

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: -16.533+/-117.695 χ^2/NDF:20.1/16

Left: 249.706+/-82.607 χ^2/NDF: 85.5/35

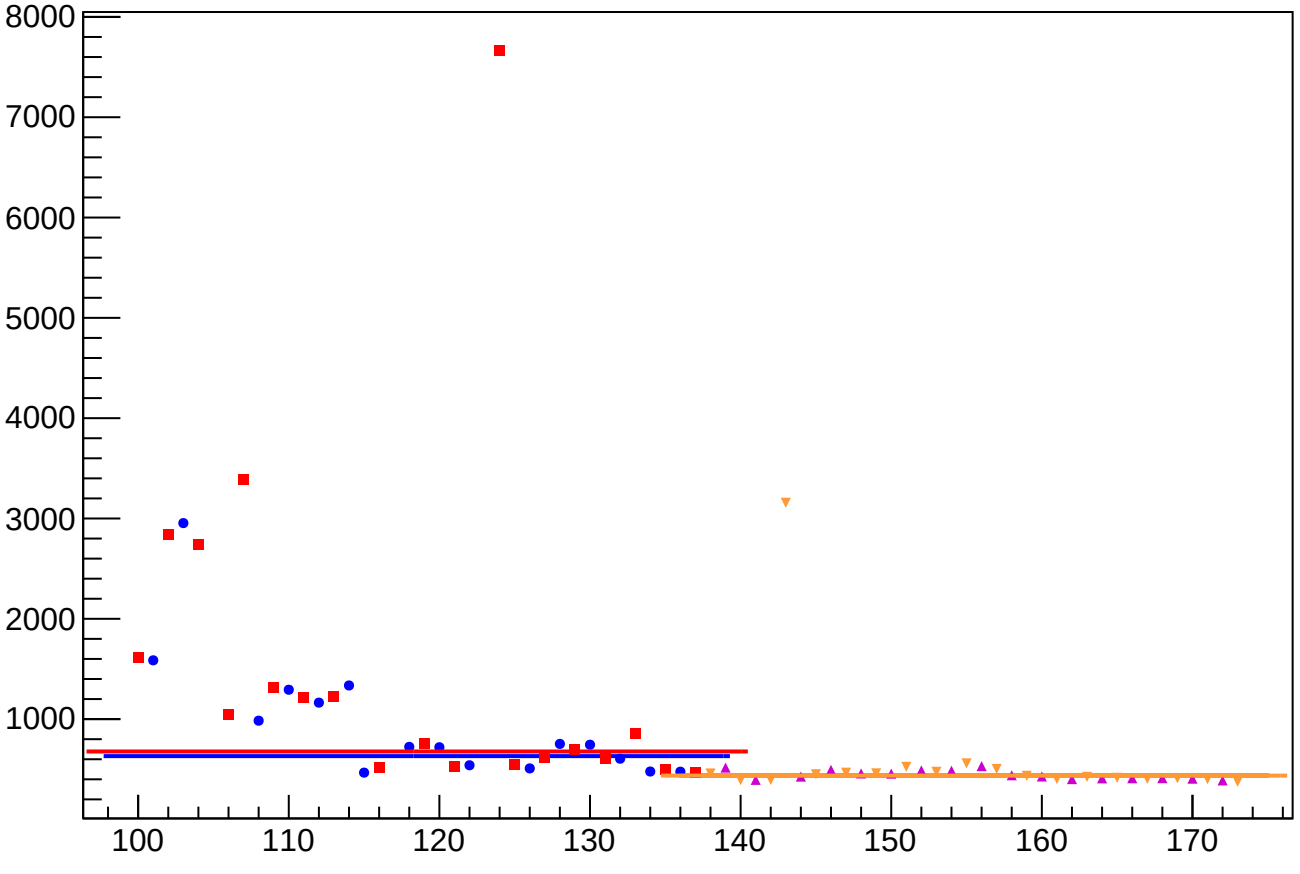
Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 59.468+/-106.990 χ^2/NDF:44.0/32

Out: 375.806+/-107.121 χ^2/NDF:80.1/37

All: 217.442+/-75.700 χ^2/NDF: 128.4/70

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 436.919+/-0.082 χ^2/NDF:1511324.4/18

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 438.063+/-0.083 χ^2/NDF:243994.4/16

Left: 437.483+/-0.058 χ^2/NDF: 1755414.7/35

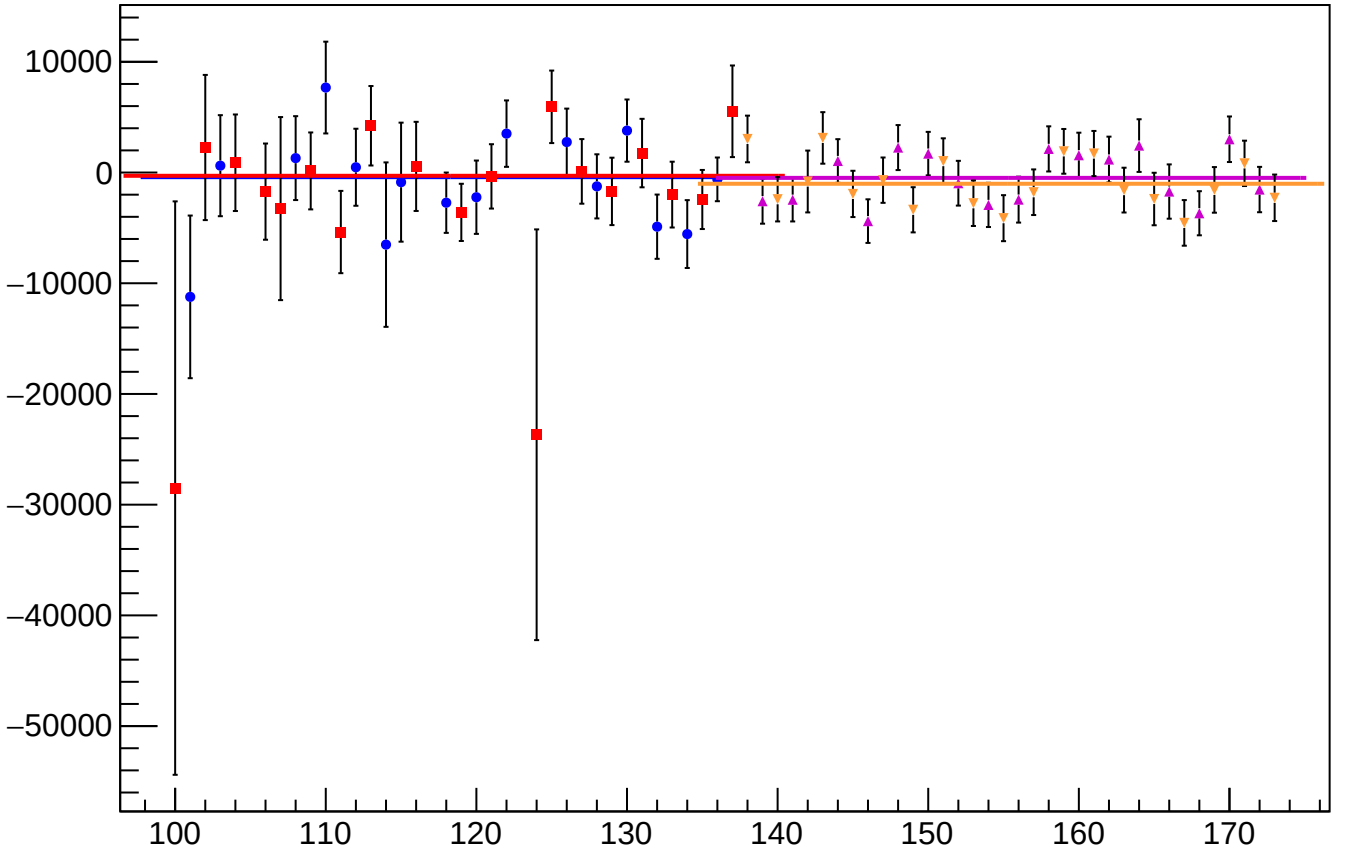
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 471.590+/-0.076 χ^2/NDF:3413095.7/32

Out: 472.233+/-0.076 χ^2/NDF:5855909.8/37

All: 471.911+/-0.054 χ^2/NDF: 9269041.5/70

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -1014.354+/-483.469 χ^2/NDF:21.5/18

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -482.757+/-498.010 χ^2/NDF:22.9/16

Left: -756.429+/-346.891 χ^2/NDF: 45.0/35

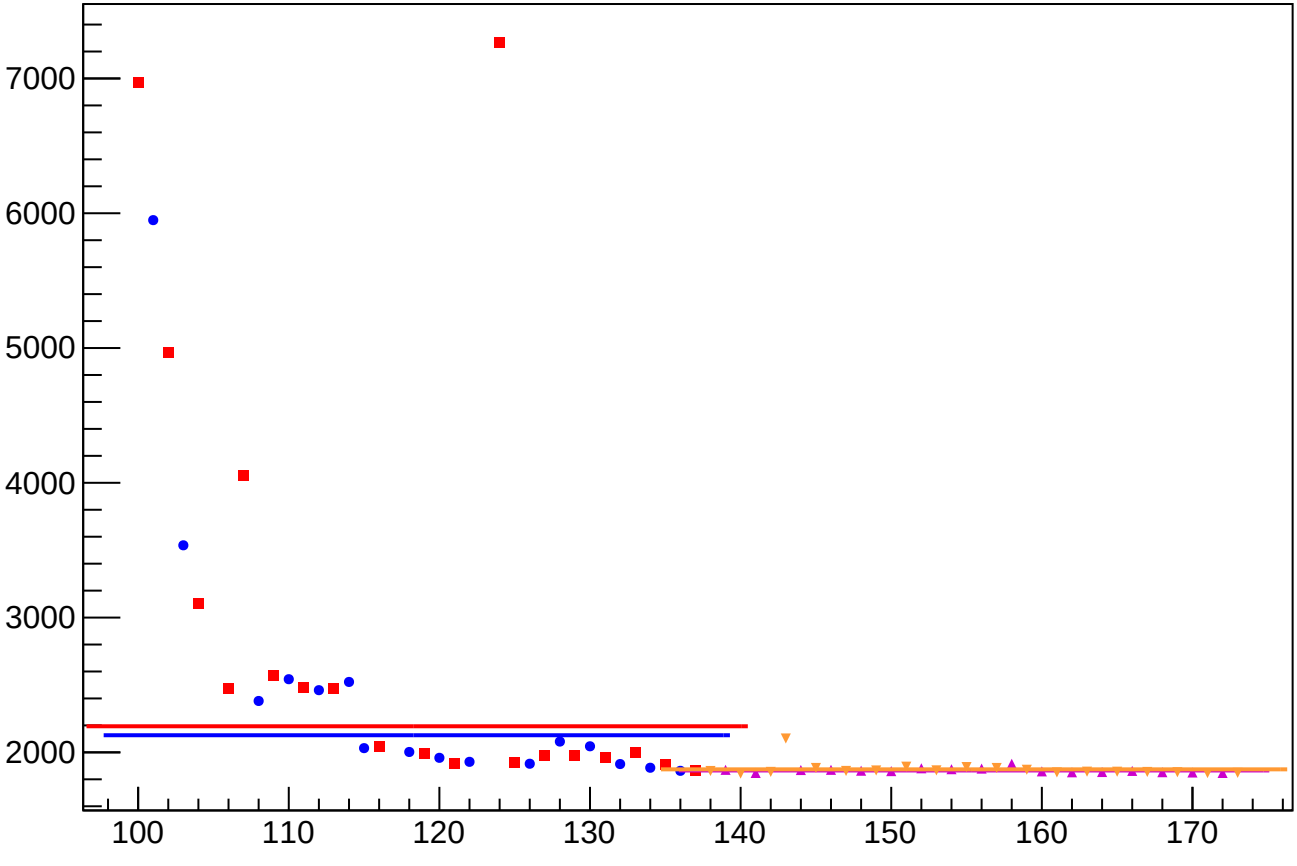
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -465.071+/-425.006 χ^2/NDF:41.2/32

Out: -832.520+/-417.968 χ^2/NDF:37.7/37

All: -651.863+/-298.005 χ^2/NDF: 79.3/70

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1873.953+/-0.342 χ^2/NDF:22111.7/18

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1865.661+/-0.352 χ^2/NDF:2165.2/16

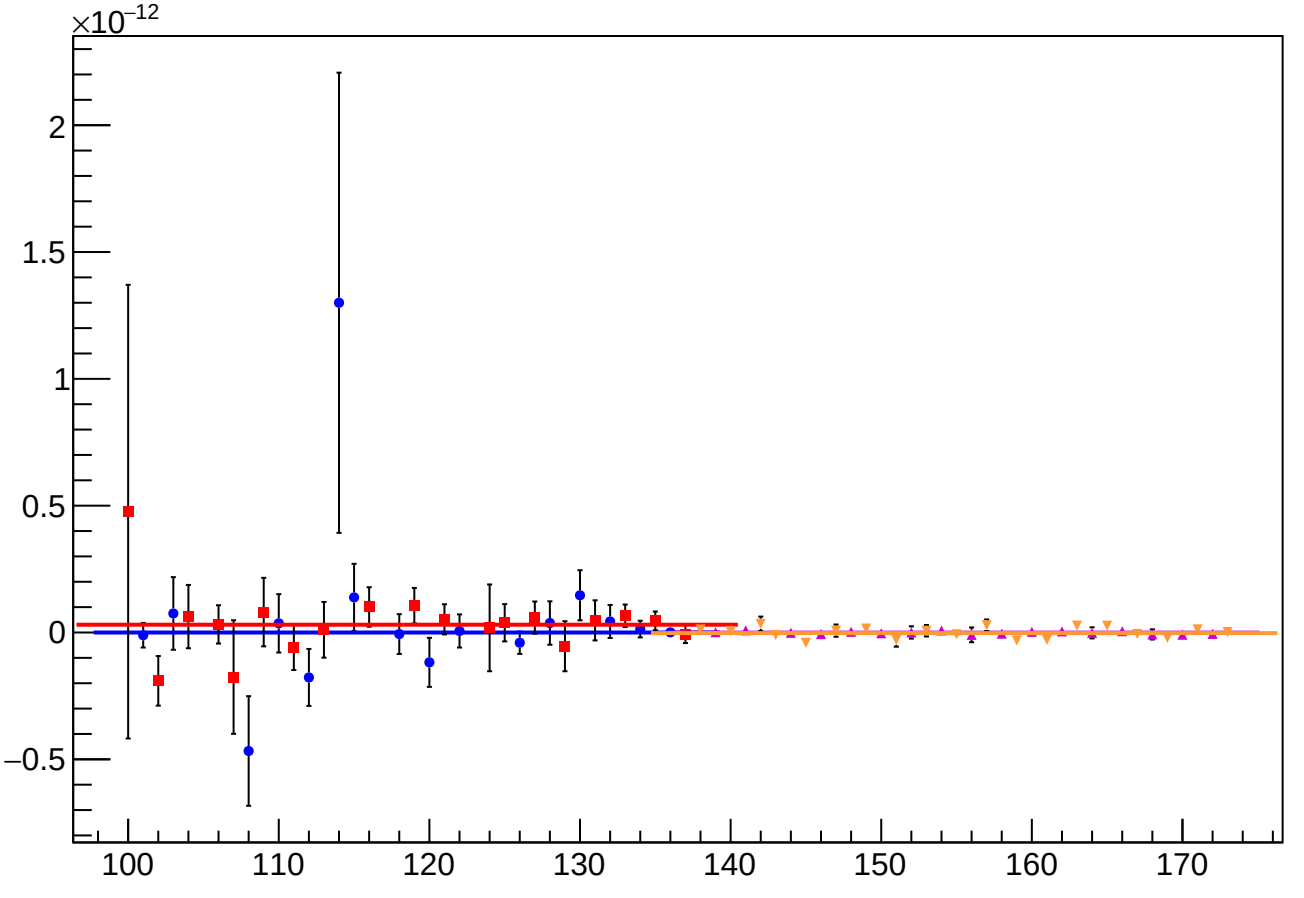
Left: 1869.930+/-0.245 χ^2/NDF: 24562.3/35

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1936.676+/-0.301 χ^2/NDF:1026929.3/32

Out: 1954.689+/-0.296 χ^2/NDF:1185479.3/37

All: 1945.833+/-0.211 χ^2/NDF: 2214234.8/70



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:2.2/16

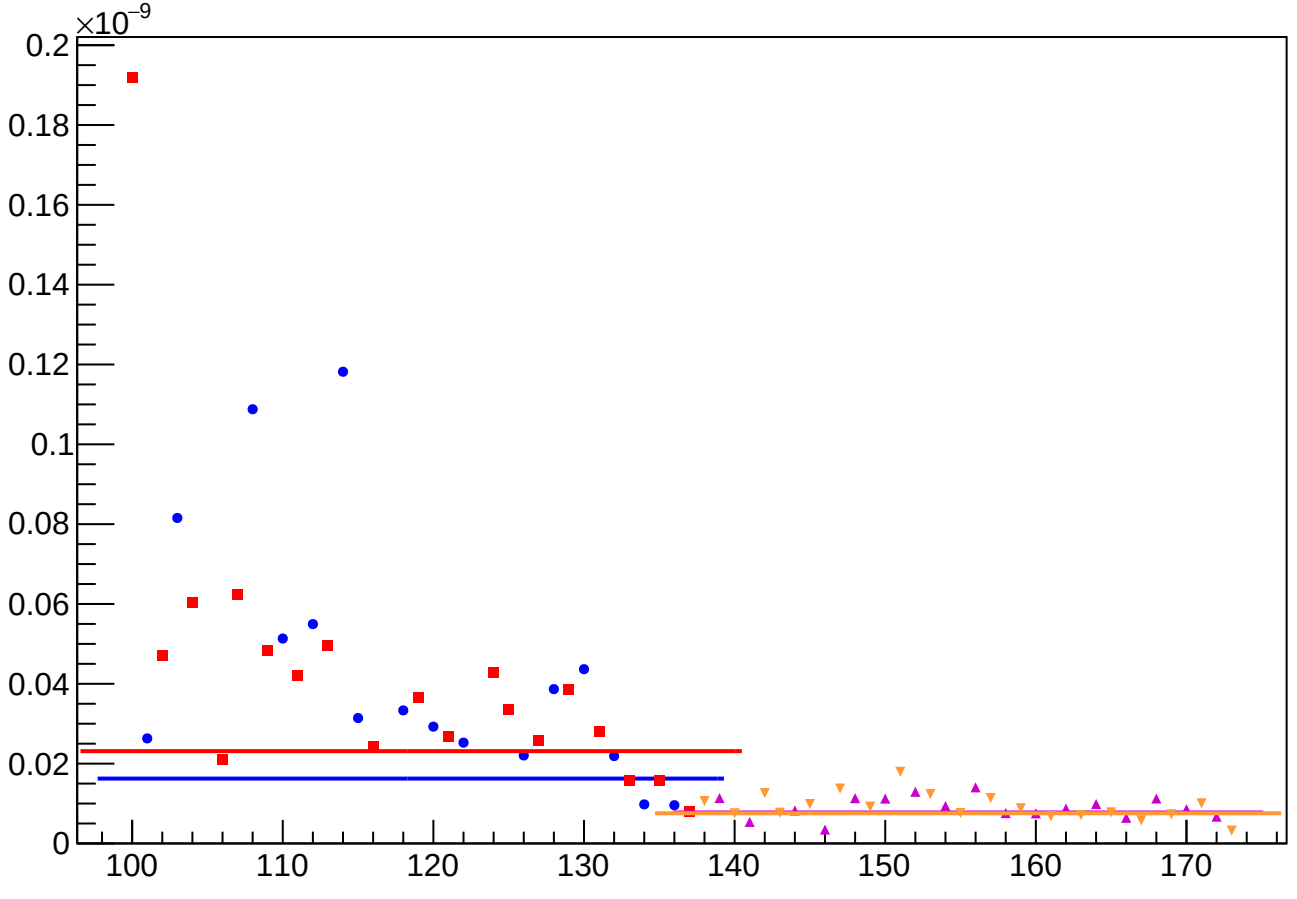
Left: -0.000+/-0.000 χ^2/NDF: 32.6/35

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:18.3/32

Out: -0.000+/-0.000 χ^2/NDF:46.9/37

All: -0.000+/-0.000 χ^2/NDF: 65.2/70



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1390906.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:994256.4/16

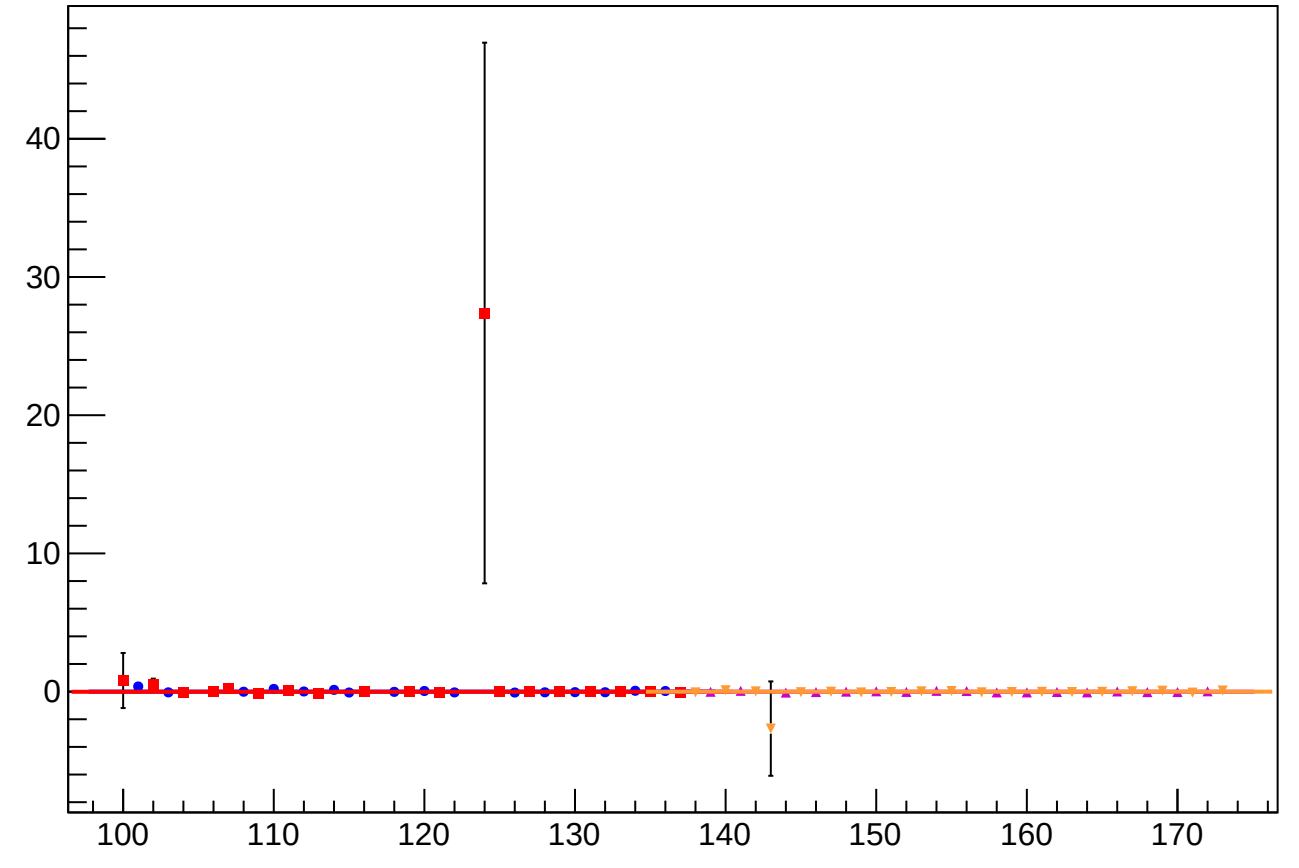
Left: 0.000+/-0.000 χ^2/NDF: 2388318.0/35

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:4210661.2/32

Out: 0.000+/-0.000 χ^2/NDF:4669894.4/37

All: 0.000+/-0.000 χ^2/NDF: 8885486.7/70



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.009 χ^2/NDF:30.6/18

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.009 χ^2/NDF:18.0/16

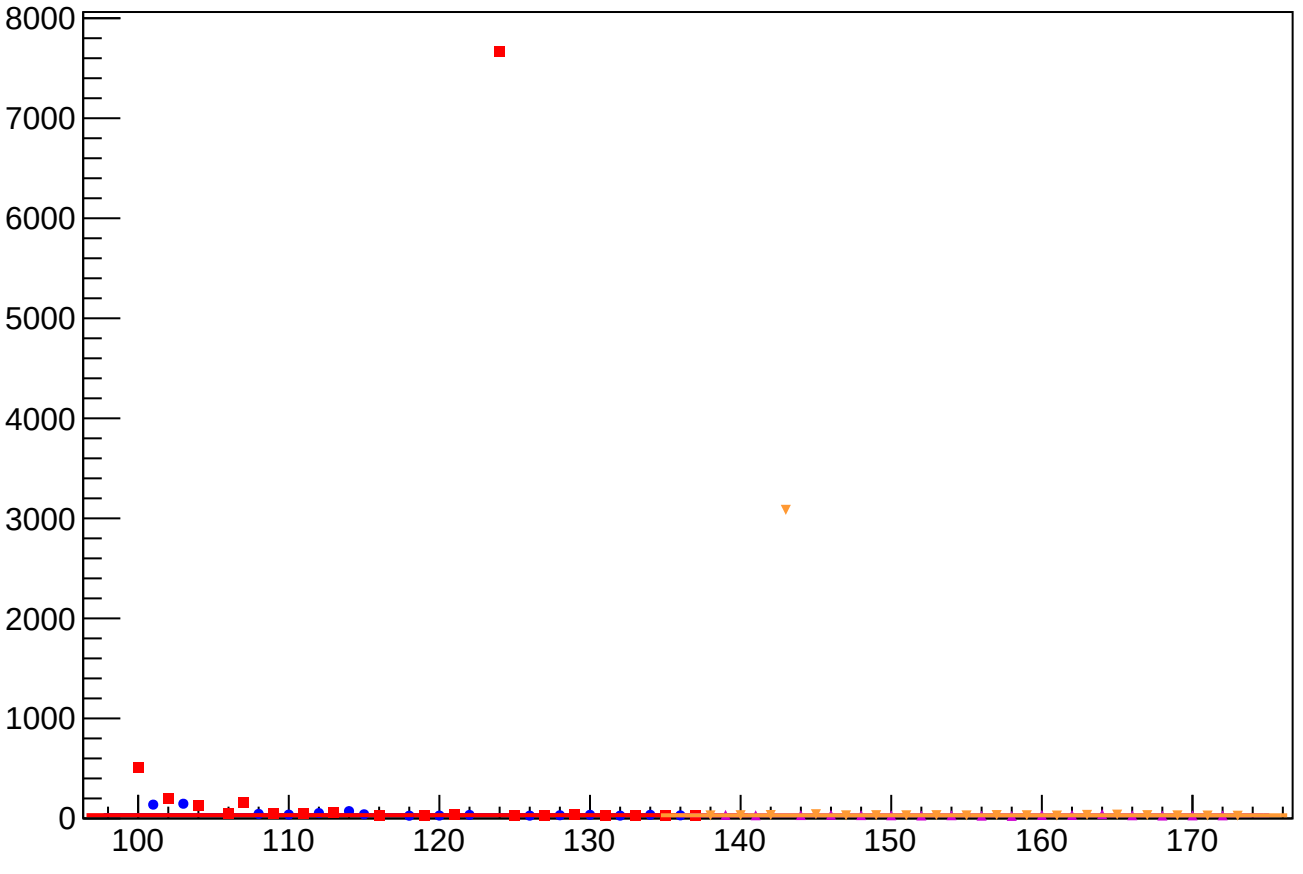
Left: -0.005+/-0.007 χ^2/NDF: 48.6/35

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.004+/-0.008 χ^2/NDF:39.2/32

Out: -0.005+/-0.008 χ^2/NDF:45.0/37

All: -0.005+/-0.006 χ^2/NDF: 84.2/70



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 31.806+/-0.006 χ^2/NDF:1814704.1/18

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.231+/-0.007 χ^2/NDF:267765.3/16

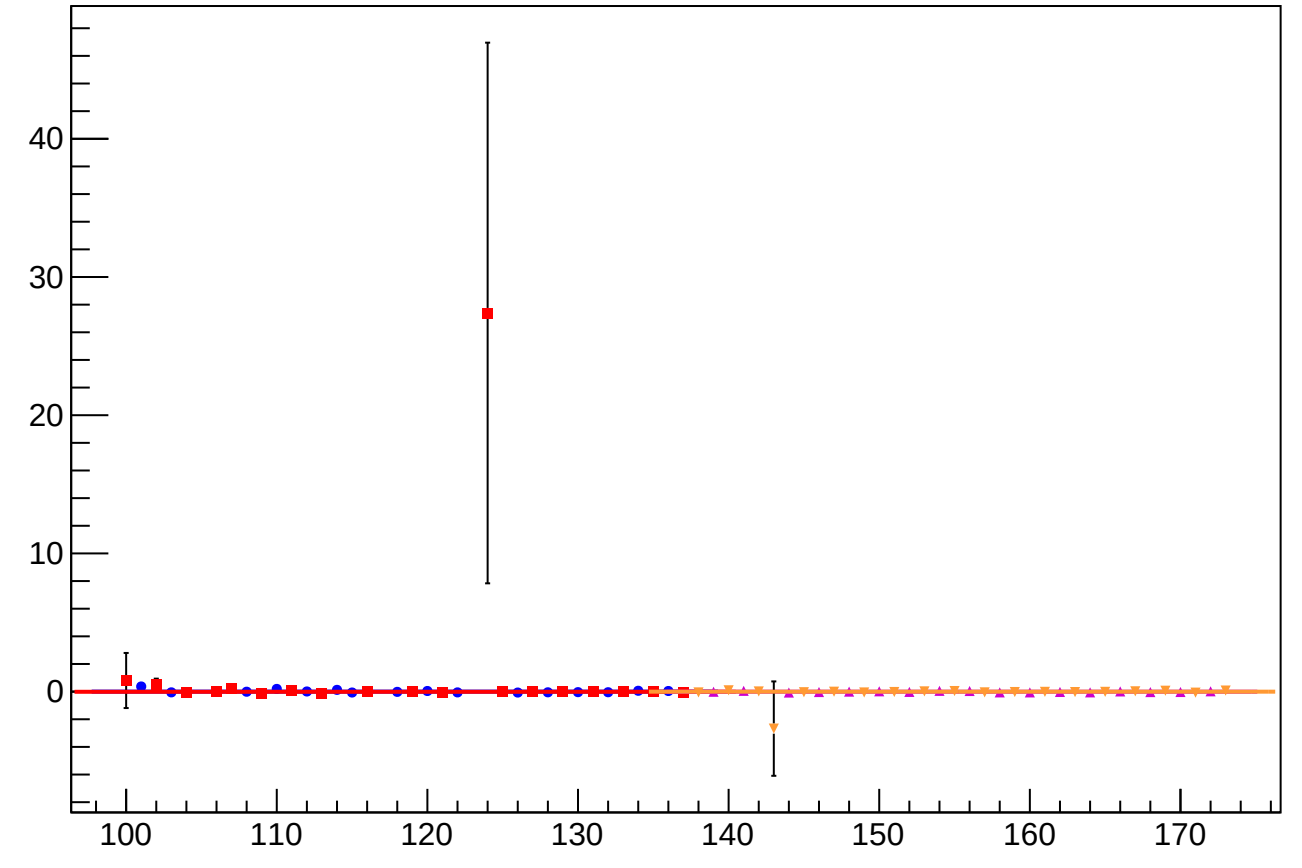
Left: 32.013+/-0.005 χ^2/NDF: 2084572.0/35

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.755+/-0.006 χ^2/NDF:2006819.5/32

Out: 32.158+/-0.006 χ^2/NDF:3900541.5/37

All: 32.452+/-0.004 χ^2/NDF: 5913155.1/70



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.009 χ^2/NDF:30.6/18

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.009 χ^2/NDF:18.0/16

Left: -0.005+/-0.007 χ^2/NDF: 48.6/35

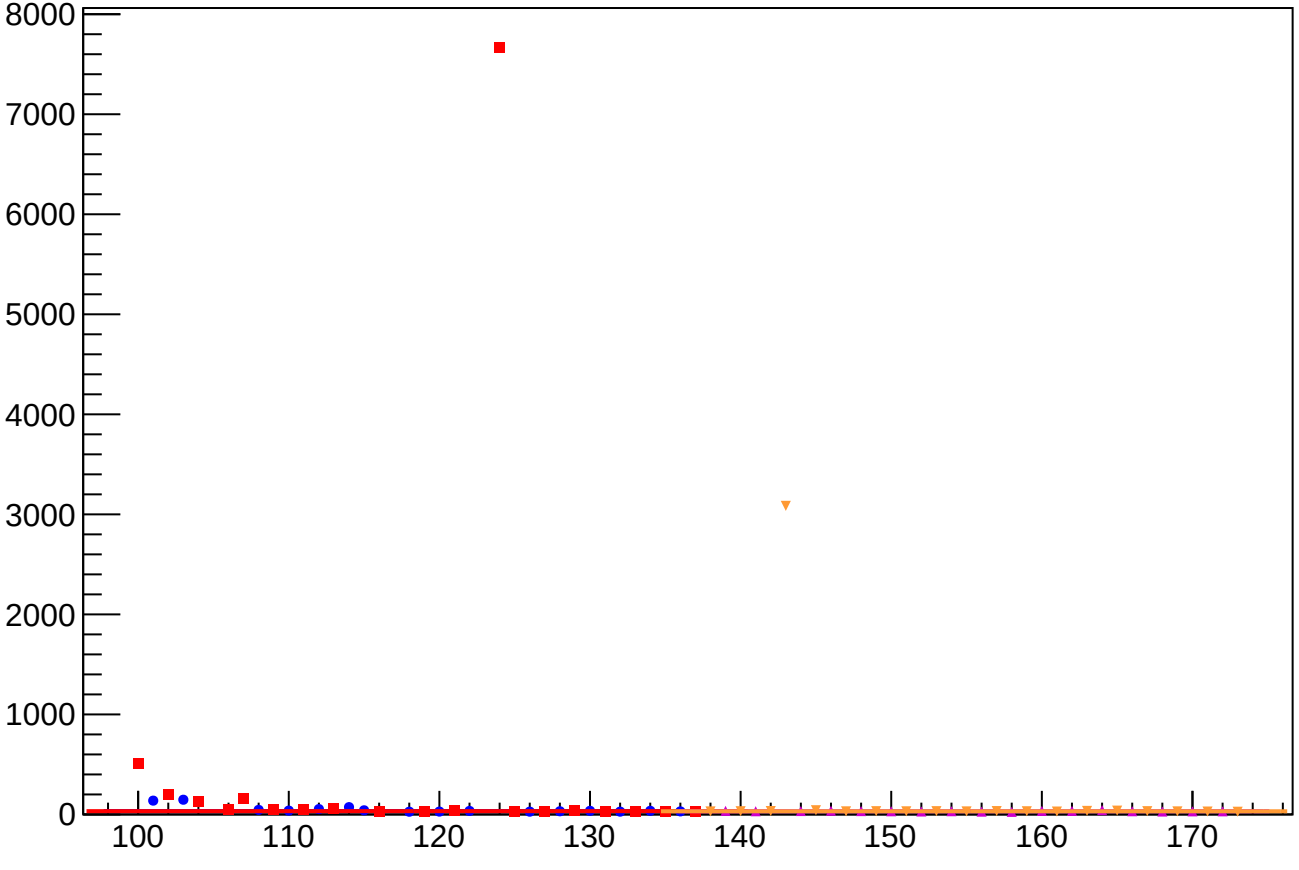
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.004+/-0.008 χ^2/NDF:39.2/32

Out: -0.005+/-0.008 χ^2/NDF:45.0/37

All: -0.005+/-0.006 χ^2/NDF: 84.2/70

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: 31.806+/-0.006 χ^2/NDF:1814704.1/18

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.231+/-0.007 χ^2/NDF:267765.3/16

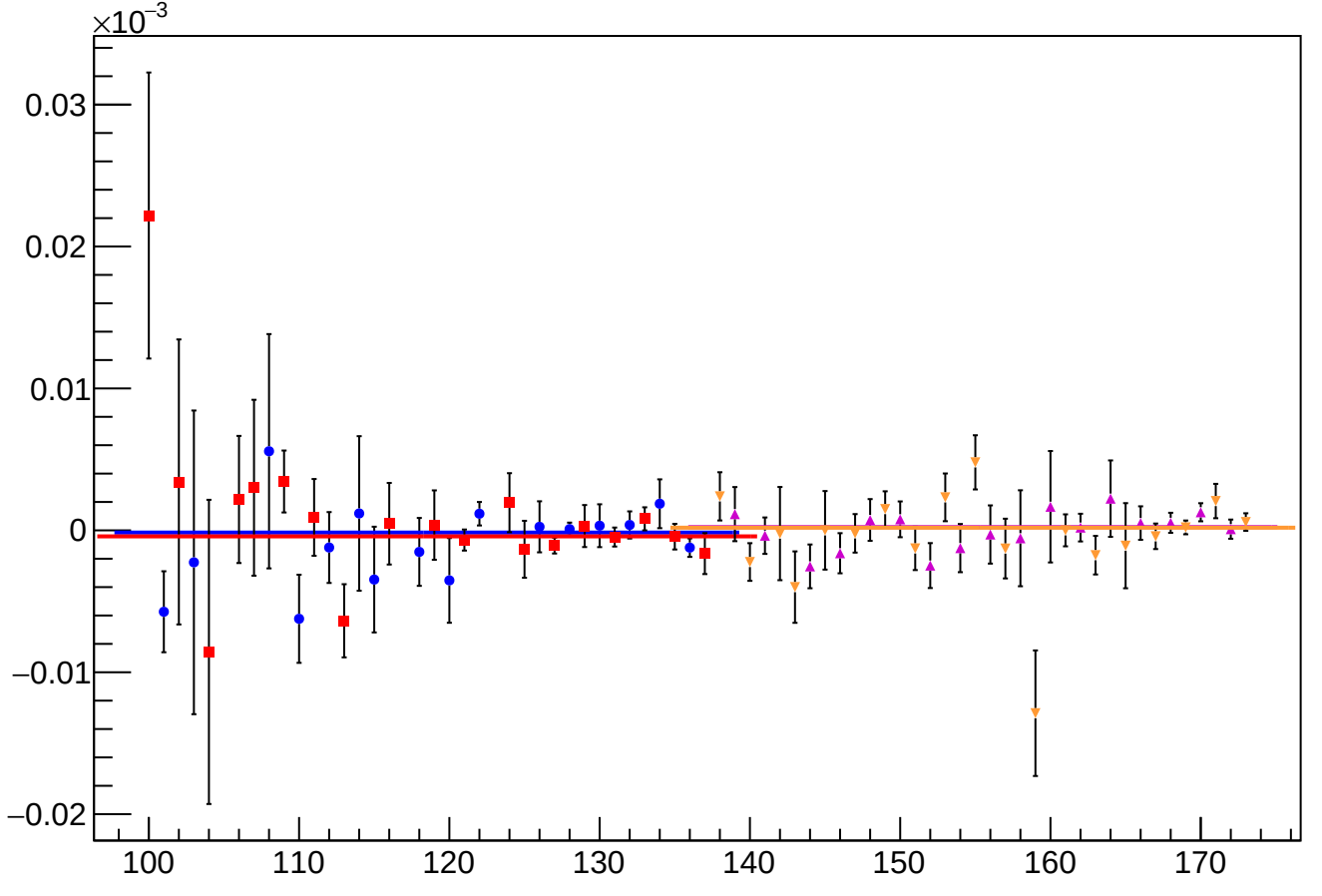
Left: 32.013+/-0.005 χ^2/NDF: 2084572.0/35

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.755+/-0.006 χ^2/NDF:2006819.5/32

Out: 32.158+/-0.006 χ^2/NDF:3900541.5/37

All: 32.452+/-0.004 χ^2/NDF: 5913155.1/70



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/18

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:13.2/16

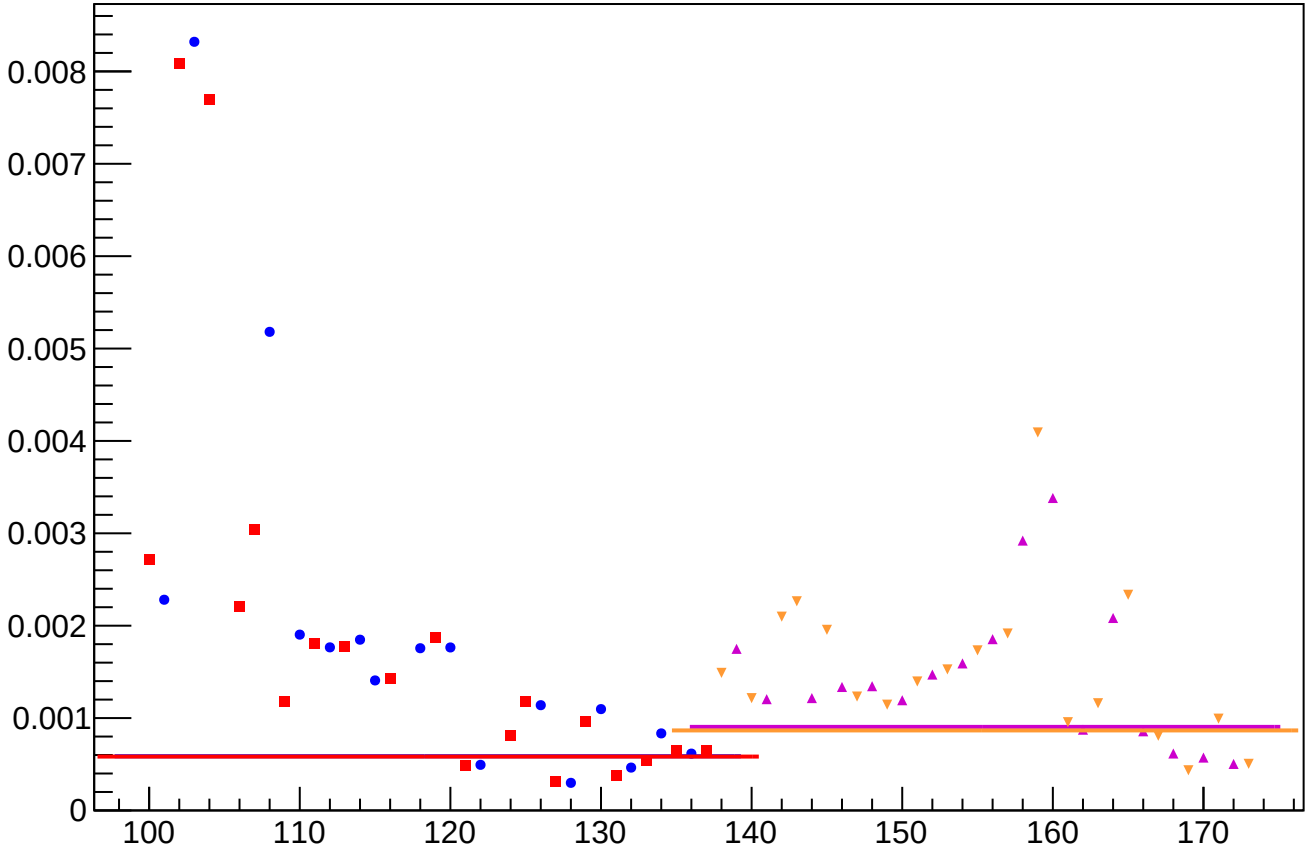
Left: 0.000+/-0.000 χ^2/NDF: 45.2/35

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: 0.000+/-0.000 χ^2/NDF:32.2/32

Out: -0.000+/-0.000 χ^2/NDF:56.1/37

All: -0.000+/-0.000 χ^2/NDF: 88.6/70



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:7261986.4/18

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:5542469.2/16

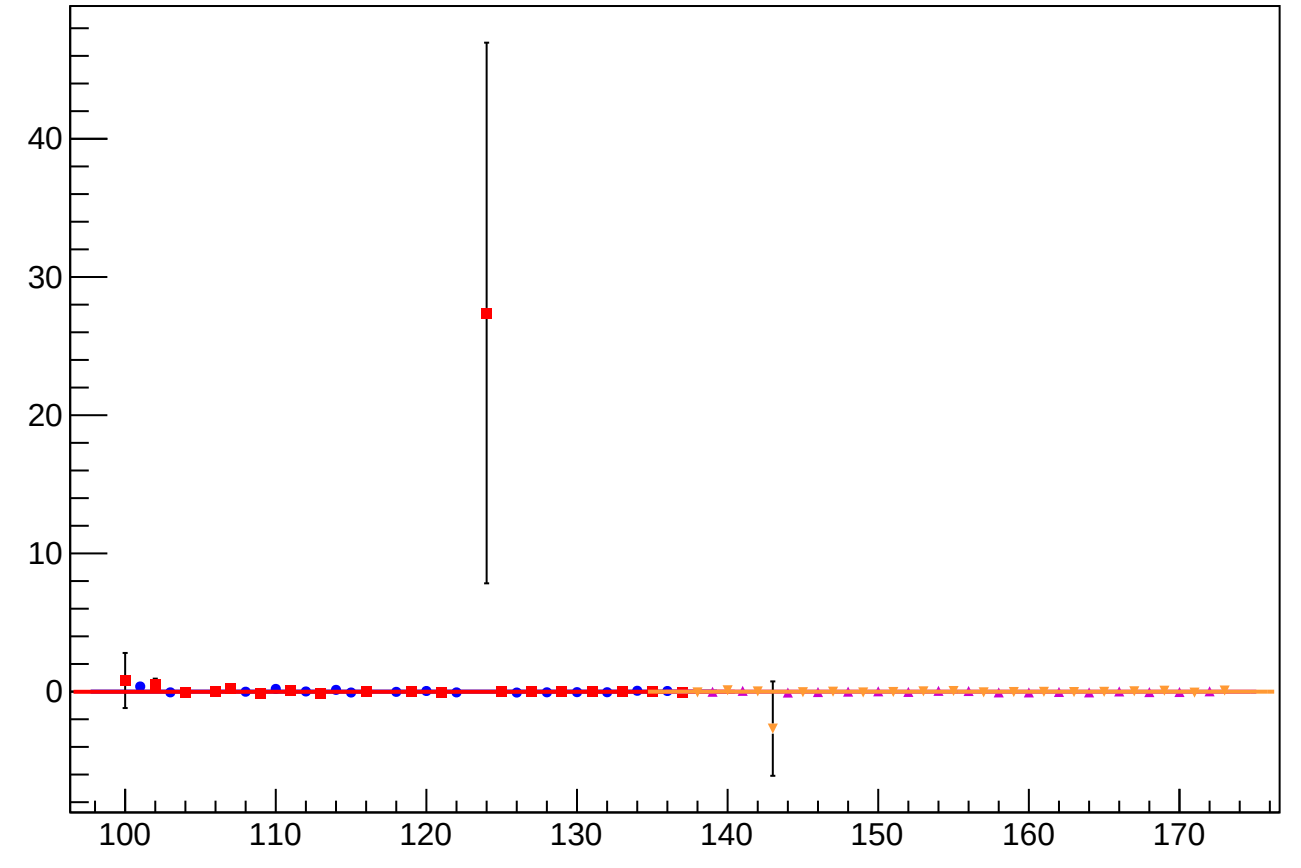
Left: 0.001+/-0.000 χ^2/NDF: 12824037.8/35

Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:12249159.4/32

Out: 0.001+/-0.000 χ^2/NDF:13745502.3/37

All: 0.001+/-0.000 χ^2/NDF: 26003097.2/70



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.009 χ^2/NDF:30.6/18

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.009 χ^2/NDF:18.0/16

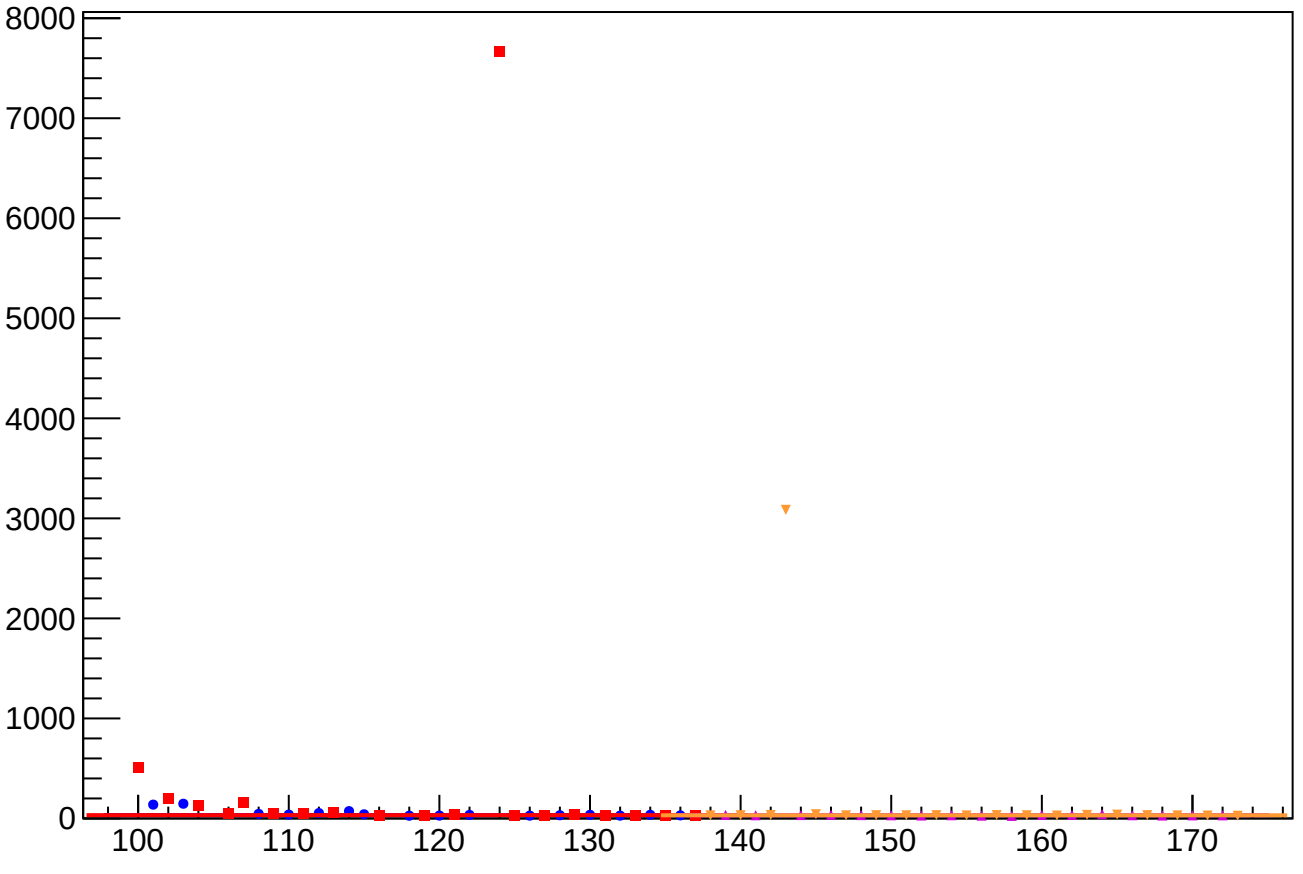
Left: -0.005+/-0.007 χ^2/NDF: 48.6/35

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.004+/-0.008 χ^2/NDF:39.2/32

Out: -0.005+/-0.008 χ^2/NDF:45.0/37

All: -0.005+/-0.006 χ^2/NDF: 84.2/70



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 31.806+/-0.006 χ^2/NDF:1814701.7/18

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.231+/-0.007 χ^2/NDF:267689.2/16

Left: 32.014+/-0.005 χ^2/NDF: 2084495.8/35

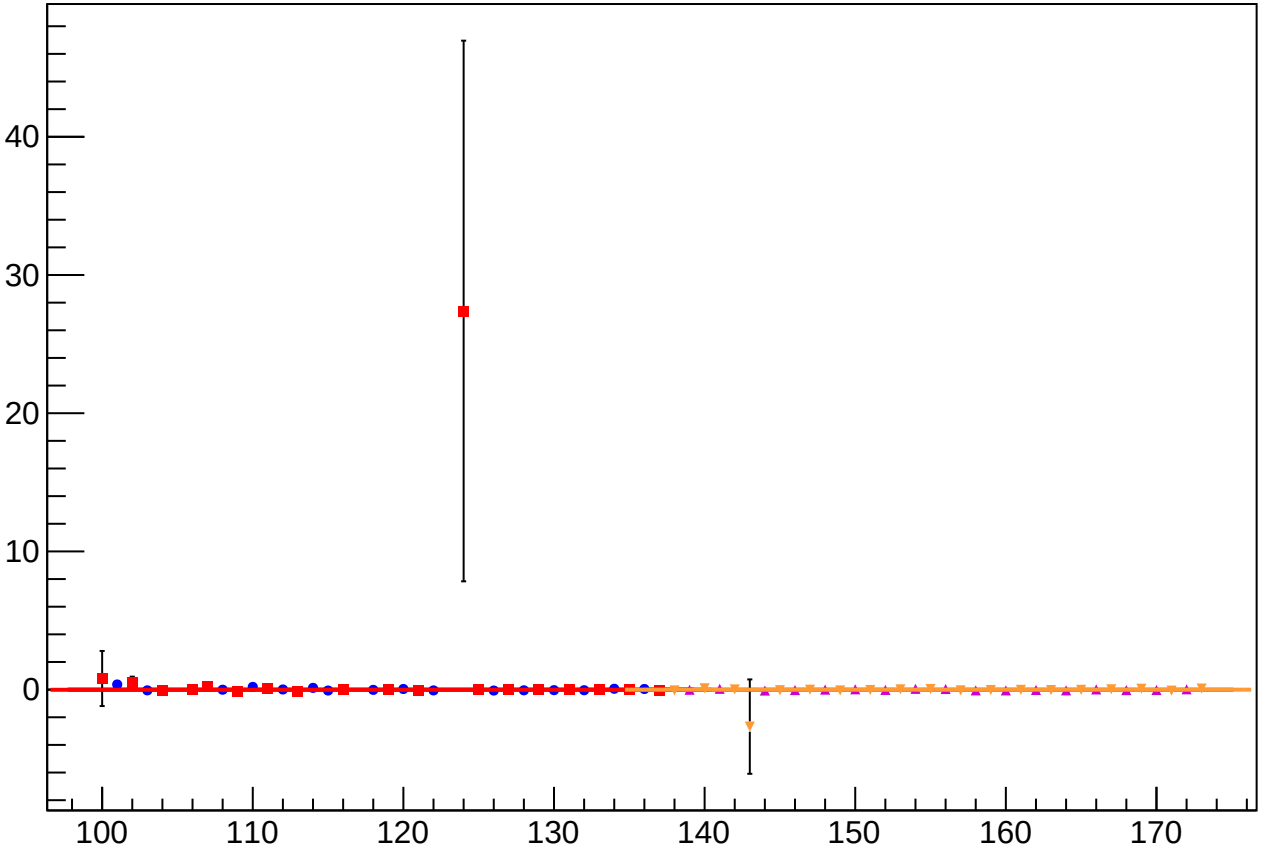
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.756+/-0.006 χ^2/NDF:2006725.9/32

Out: 32.158+/-0.006 χ^2/NDF:3900518.4/37

All: 32.452+/-0.004 χ^2/NDF: 5913042.4/70

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.009 χ^2/NDF:30.6/18

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.009 χ^2/NDF:18.0/16

Left: -0.005+/-0.007 χ^2/NDF: 48.6/35

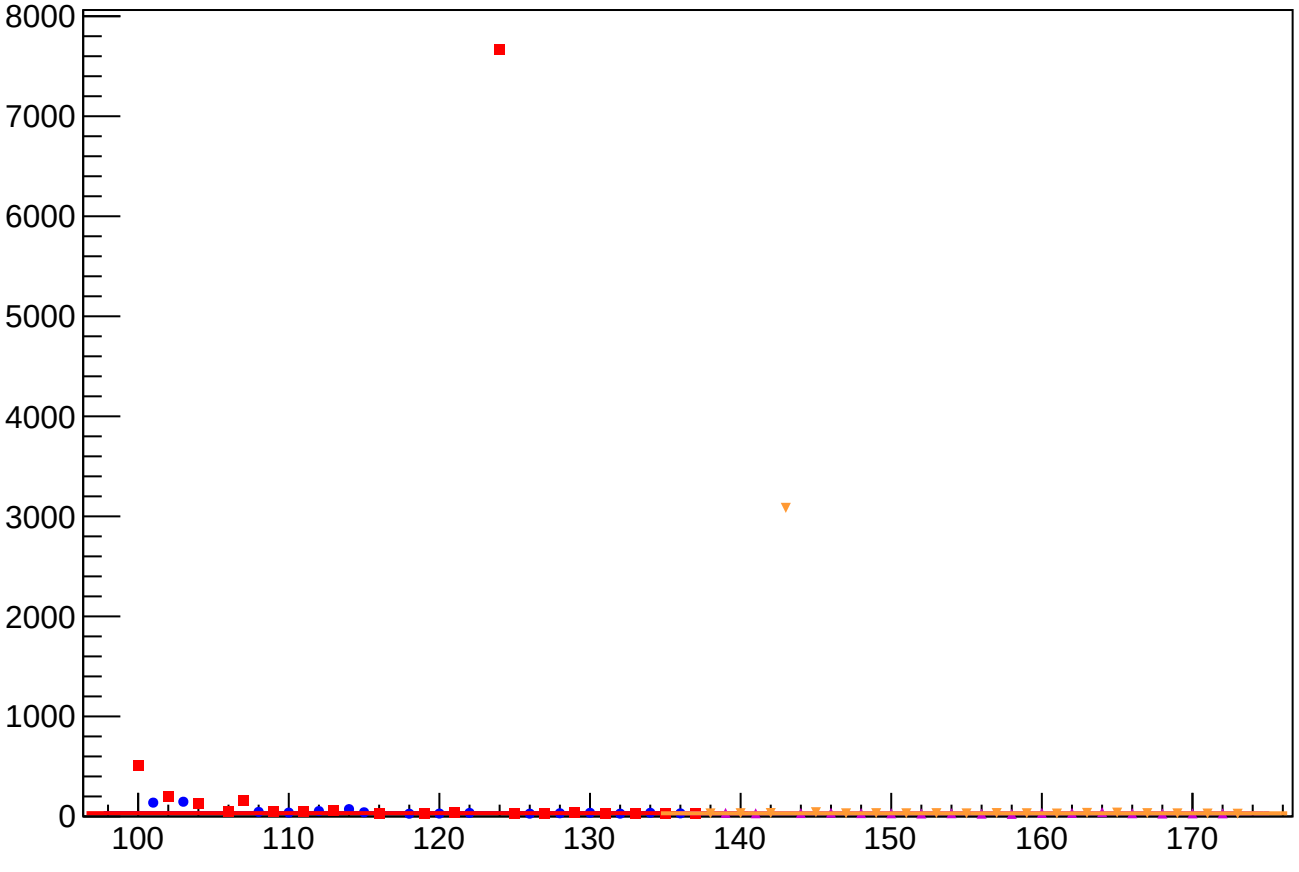
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.004+/-0.008 χ^2/NDF:39.2/32

Out: -0.005+/-0.008 χ^2/NDF:45.0/37

All: -0.005+/-0.006 χ^2/NDF: 84.2/70

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: 31.806+/-0.006 χ^2/NDF:1814701.7/18

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.231+/-0.007 χ^2/NDF:267689.2/16

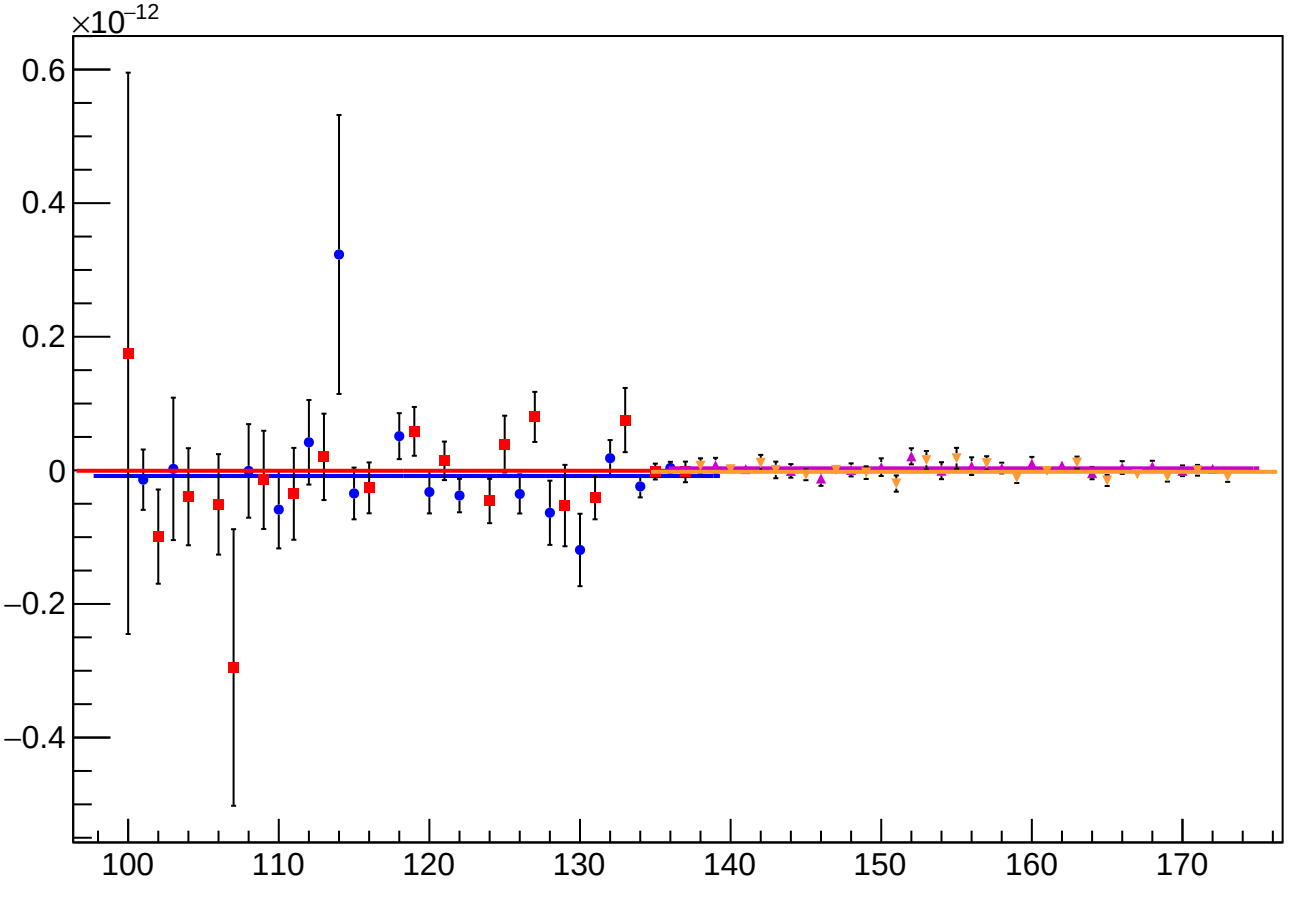
Left: 32.014+/-0.005 χ^2/NDF: 2084495.8/35

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.756+/-0.006 χ^2/NDF:2006725.9/32

Out: 32.158+/-0.006 χ^2/NDF:3900518.4/37

All: 32.452+/-0.004 χ^2/NDF: 5913042.4/70



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/16

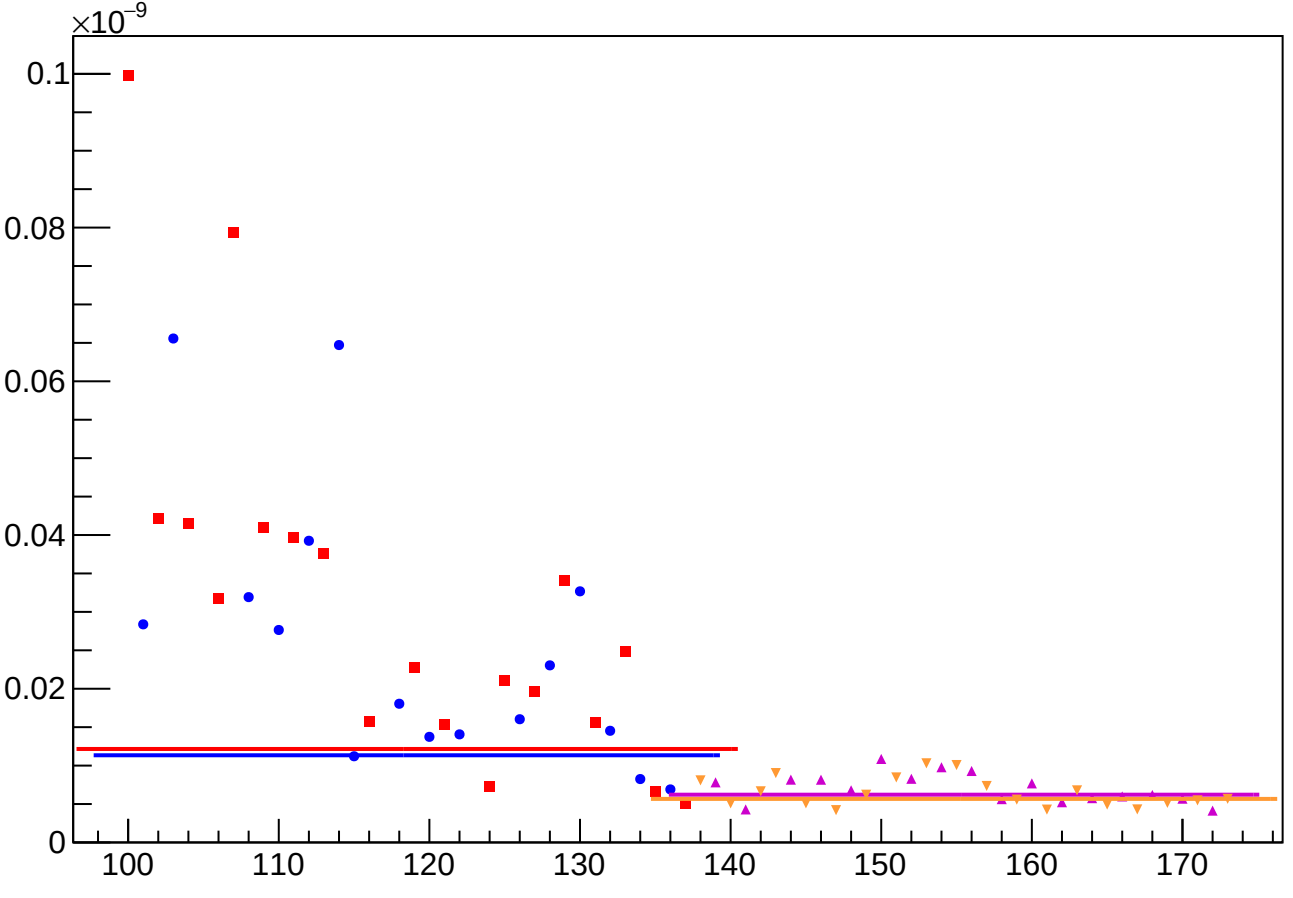
Left: 0.000+/-0.000 χ^2/NDF: 27.2/35

Right: -0.000+/-0.000 χ^2/NDF: 40.7/34

In: 0.000+/-0.000 χ^2/NDF:28.6/32

Out: -0.000+/-0.000 χ^2/NDF:38.4/37

All: -0.000+/-0.000 χ^2/NDF: 69.0/70



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1148016.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1282272.9/16

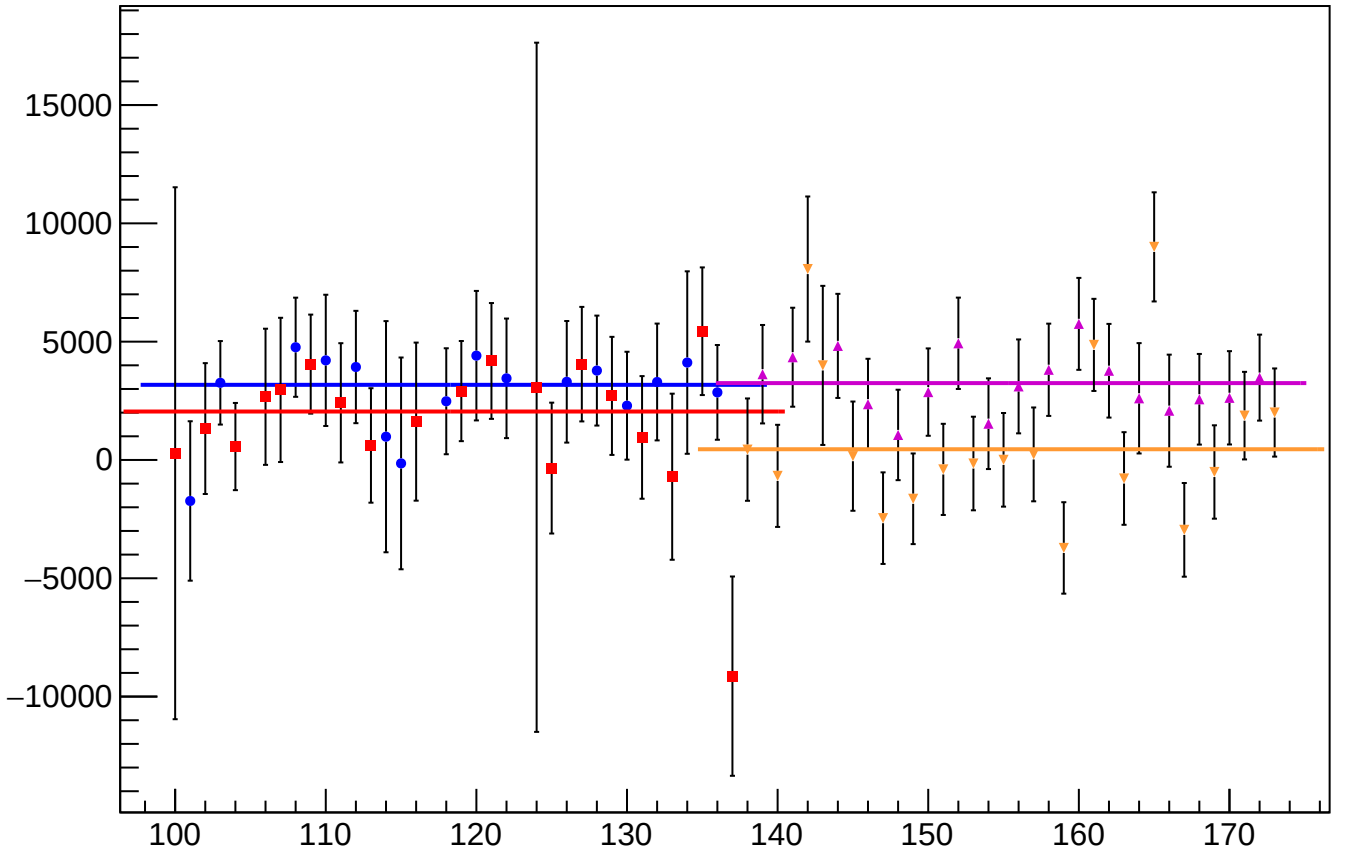
Left: 0.000+/-0.000 χ^2/NDF: 2499668.1/35

Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:5247246.2/32

Out: 0.000+/-0.000 χ^2/NDF:6399996.7/37

All: 0.000+/-0.000 χ^2/NDF: 11748559.0/70



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 452.912+/-473.601 χ^2/NDF:39.8/18

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 3248.442+/-483.539 χ^2/NDF:6.3/16

Left: 1821.654+/-338.346 χ^2/NDF: 63.2/35

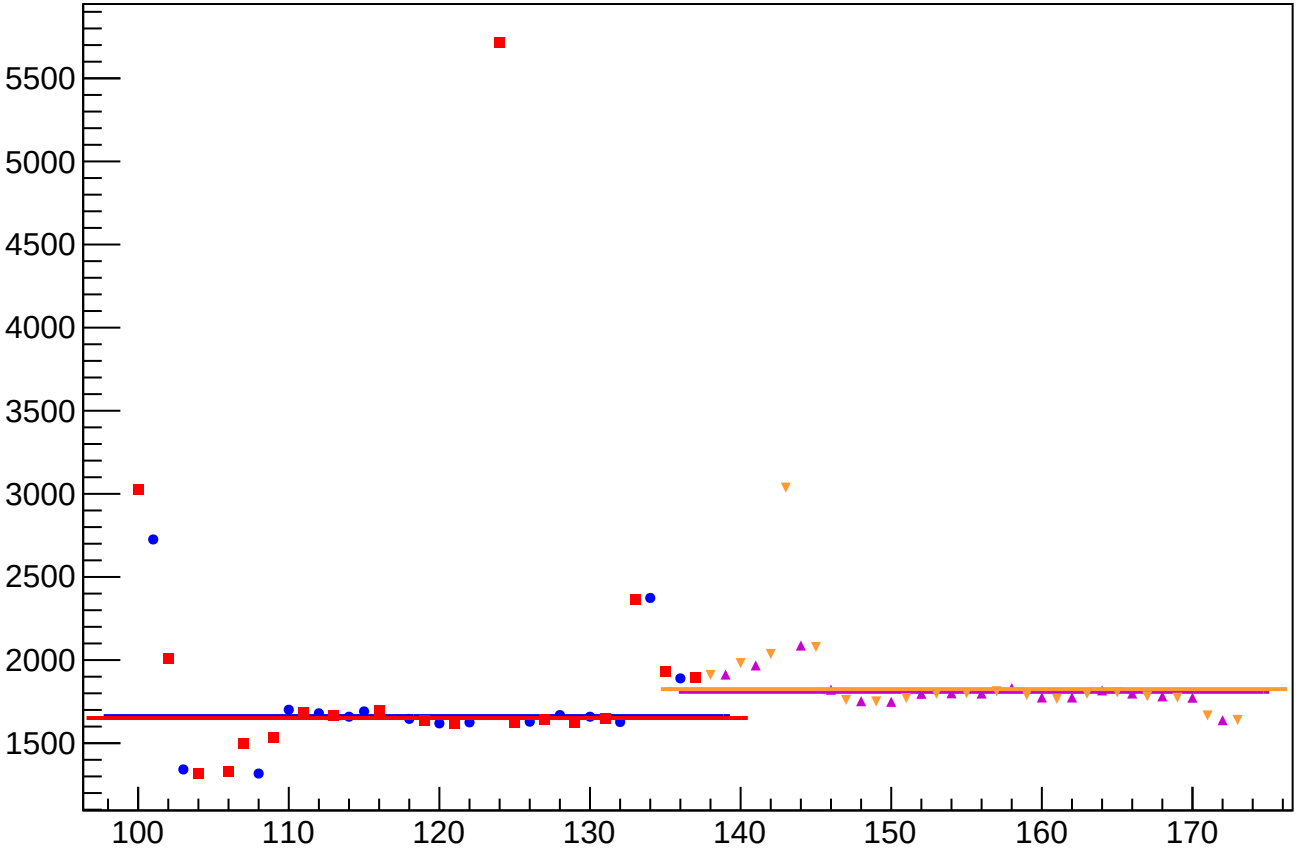
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3221.330+/-383.127 χ^2/NDF:10.6/32

Out: 1038.674+/-376.694 χ^2/NDF:58.0/37

All: 2111.526+/-268.608 χ^2/NDF: 85.2/70

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1825.265+/-0.335 χ^2/NDF:354666.1/18

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1808.990+/-0.342 χ^2/NDF:72808.1/16

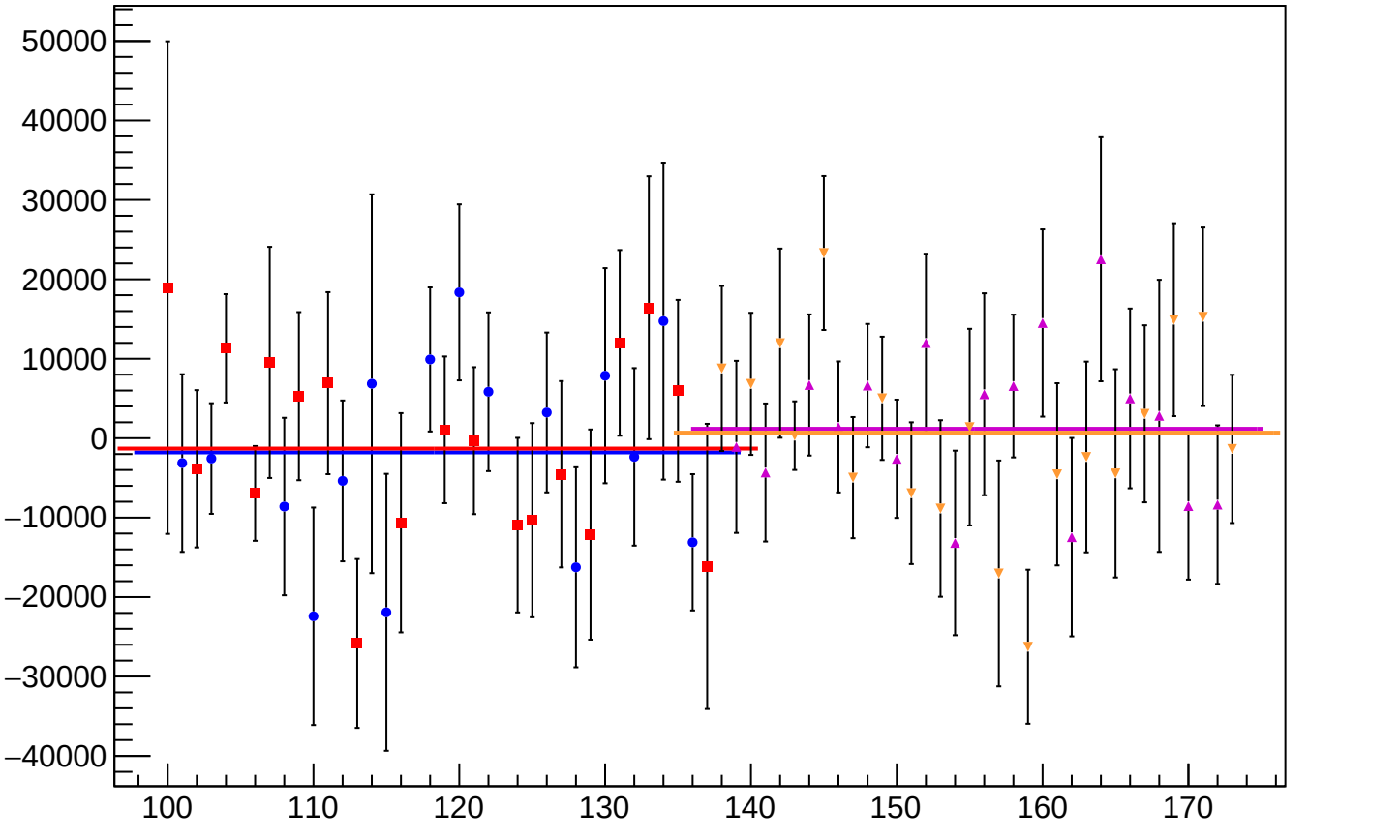
Left: 1817.296+/-0.239 χ^2/NDF: 428630.6/35

Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1754.616+/-0.271 χ^2/NDF:556386.5/32

Out: 1761.364+/-0.266 χ^2/NDF:885741.5/37

All: 1758.047+/-0.190 χ^2/NDF: 1442443.5/70



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 696.868+/-2111.555 χ^2/NDF:22.6/18

Right Out: -1306.311+/-2430.063 χ^2/NDF: 17.7/18

Left In: 1185.418+/-2436.272 χ^2/NDF:11.1/16

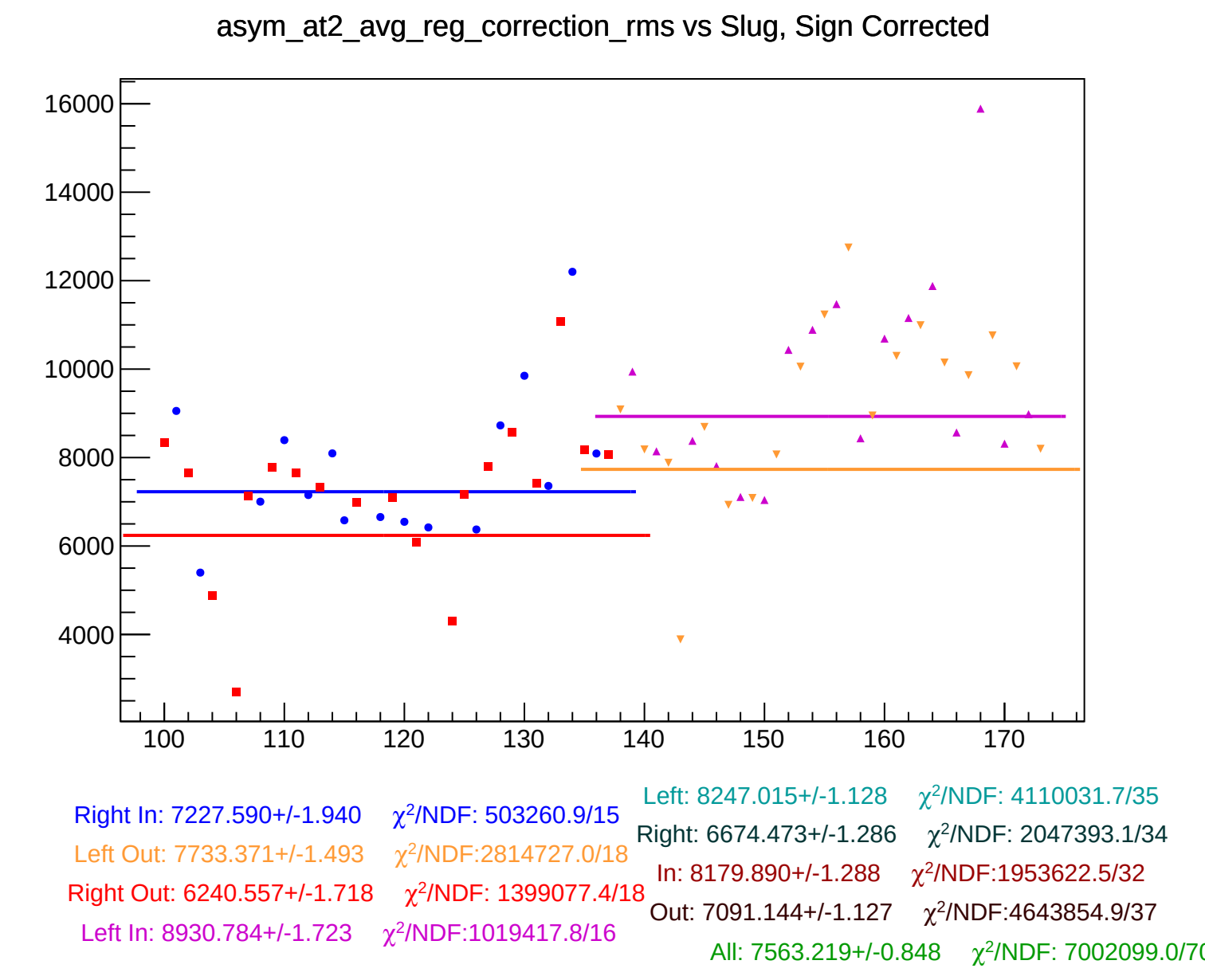
Left: 906.437+/-1595.641 χ^2/NDF: 33.7/35

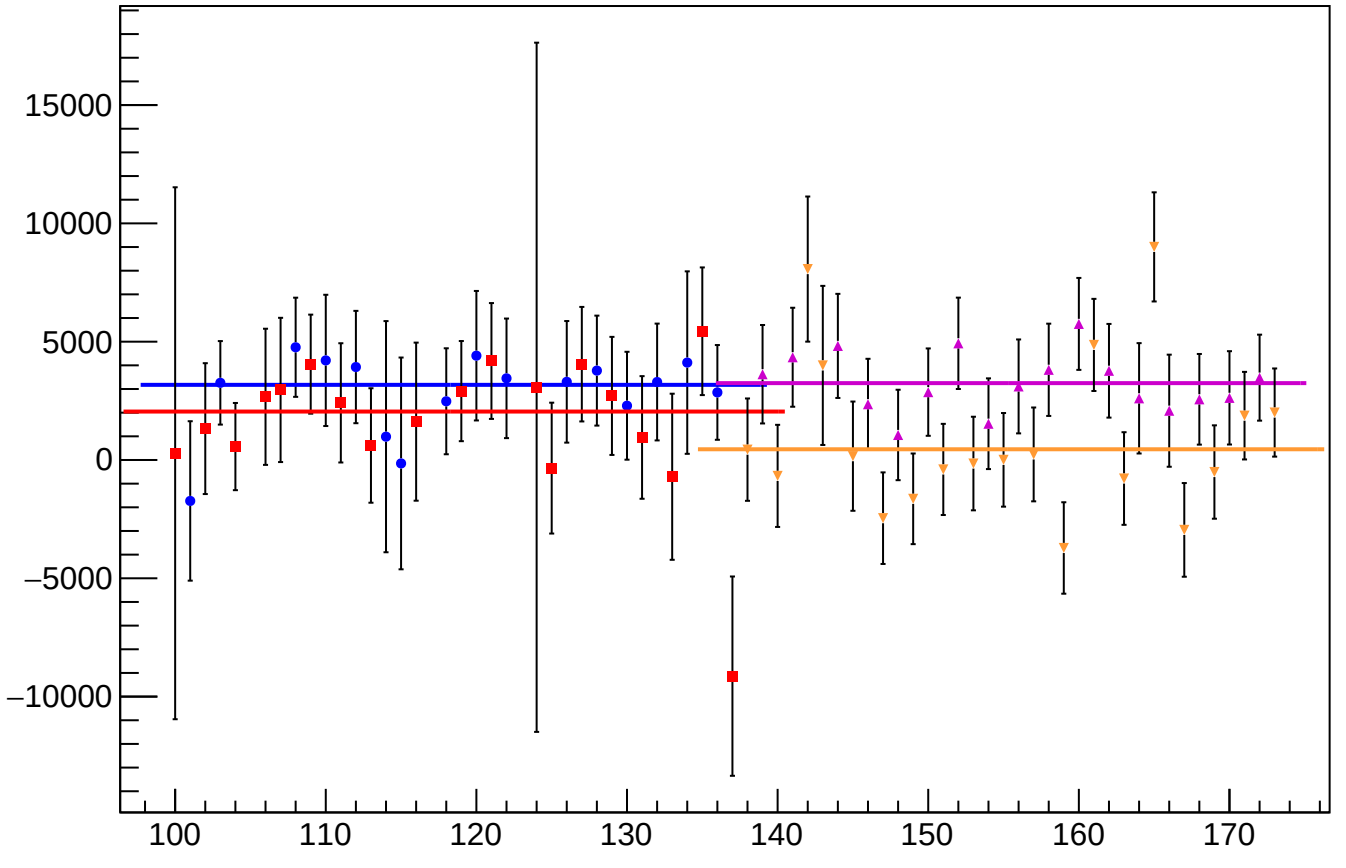
Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

In: -126.820+/-1821.716 χ^2/NDF:26.0/32

Out: -164.924+/-1593.892 χ^2/NDF:40.7/37

All: -148.403+/-1199.562 χ^2/NDF: 66.8/70


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 7227.590+/-1.940 χ²/NDF: 503260.9/15
Left Out: 7733.371+/-1.493 χ²/NDF:2814727.0/18
Right Out: 6240.557+/-1.718 χ²/NDF: 1399077.4/18
Left In: 8930.784+/-1.723 χ²/NDF:1019417.8/16
Left: 8247.015+/-1.128 χ²/NDF: 4110031.7/35
Right: 6674.473+/-1.286 χ²/NDF: 2047393.1/34
In: 8179.890+/-1.288 χ²/NDF:1953622.5/32
Out: 7091.144+/-1.127 χ²/NDF:4643854.9/37
All: 7563.219+/-0.848 χ²/NDF: 7002099.0/70



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 452.820+/-473.601 χ^2/NDF:39.8/18

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3248.428+/-483.539 χ^2/NDF:6.3/16

Left: 1821.600+/-338.346 χ^2/NDF: 63.2/35

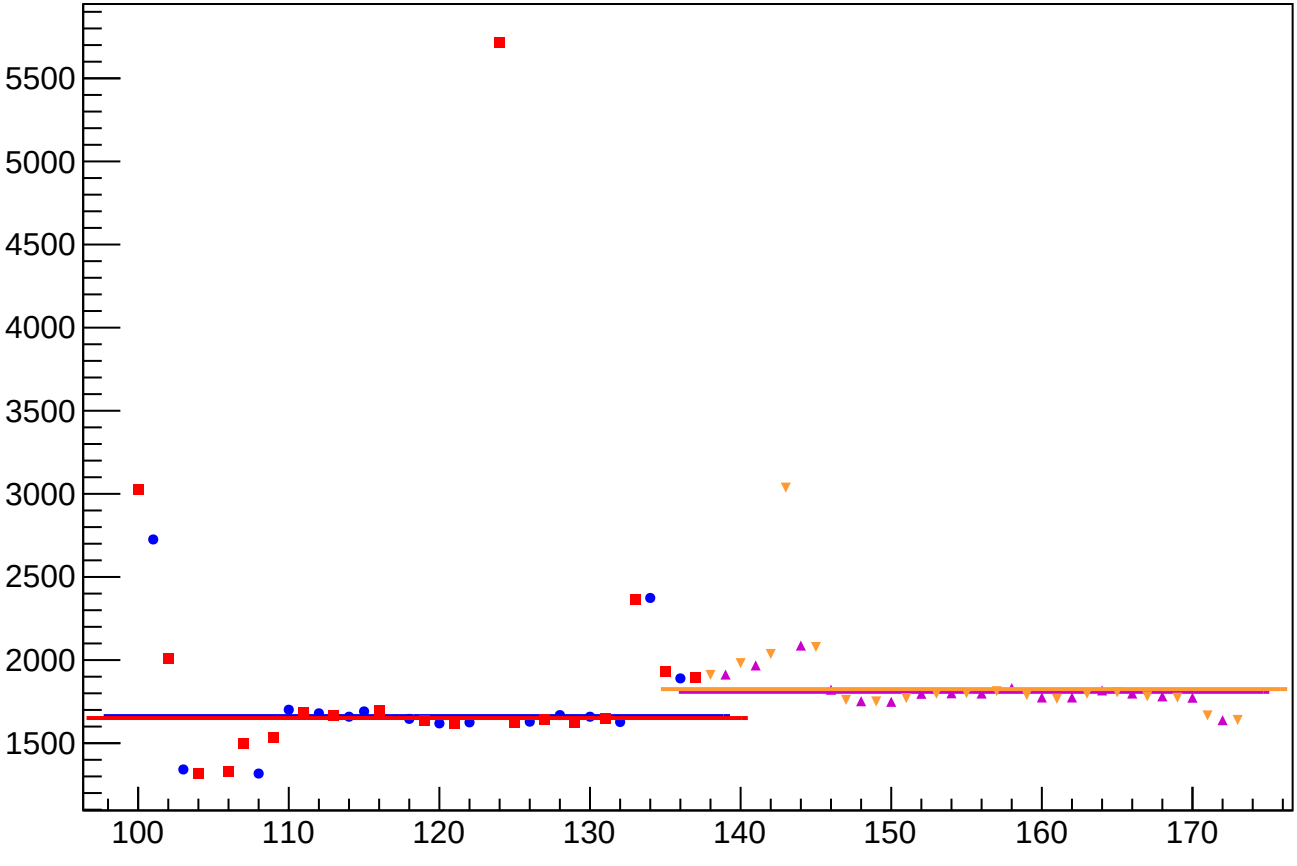
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3221.355+/-383.127 χ^2/NDF:10.6/32

Out: 1038.544+/-376.694 χ^2/NDF:58.0/37

All: 2111.472+/-268.608 χ^2/NDF: 85.2/70

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1825.265+/-0.335 χ^2/NDF:354666.1/18

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1808.990+/-0.342 χ^2/NDF:72808.1/16

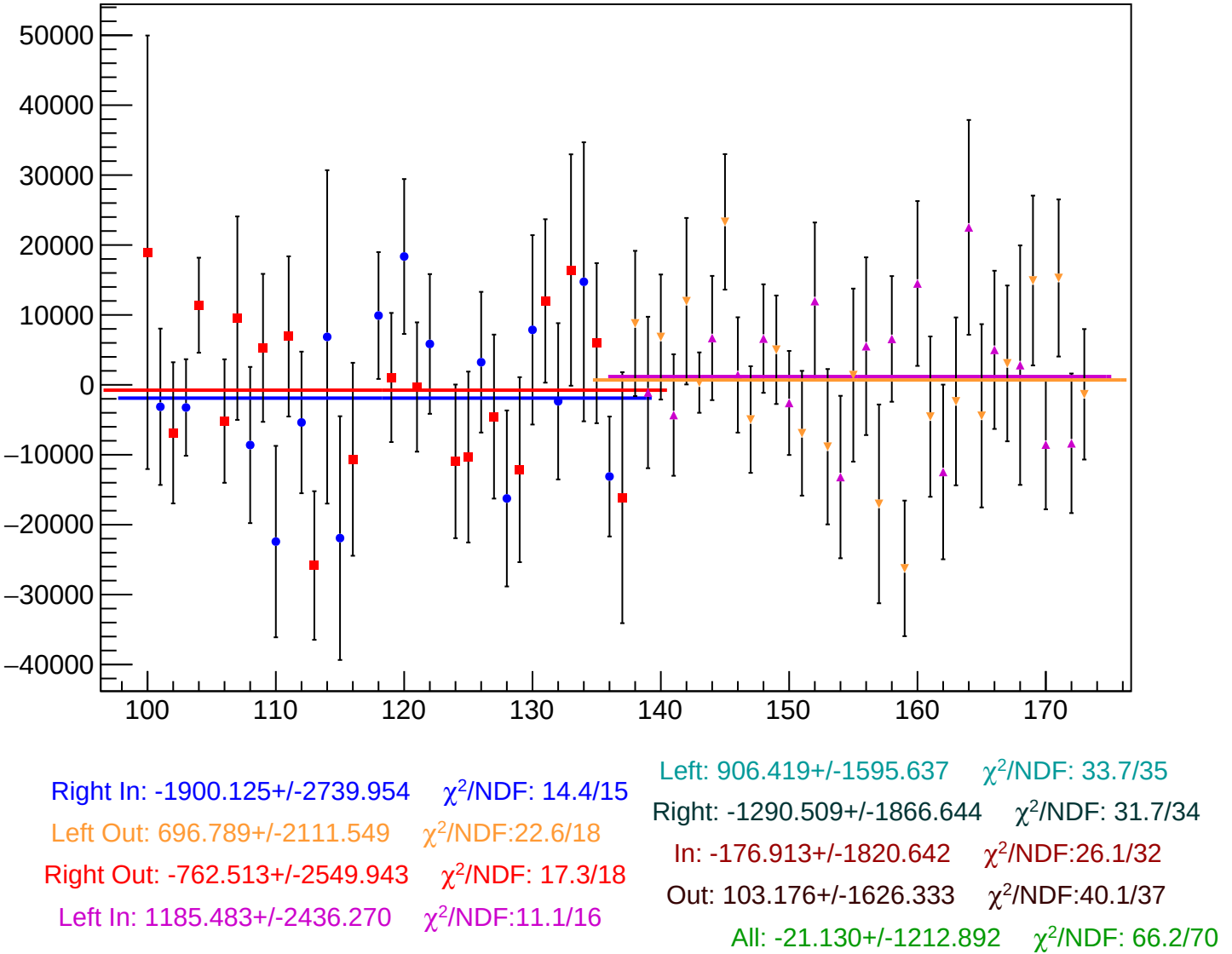
Left: 1817.296+/-0.239 χ^2/NDF: 428630.6/35

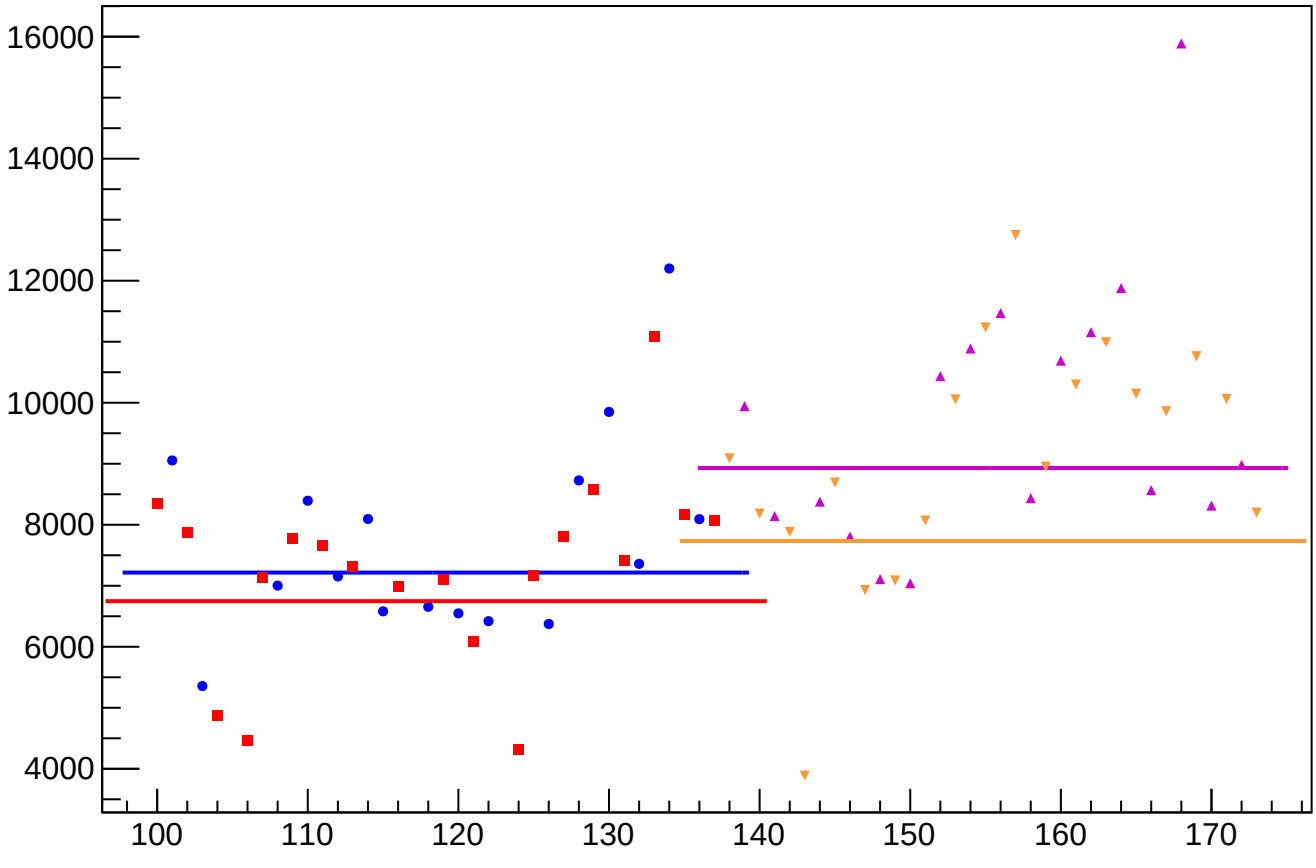
Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1754.616+/-0.271 χ^2/NDF:556386.9/32

Out: 1761.364+/-0.266 χ^2/NDF:885741.8/37

All: 1758.047+/-0.190 χ^2/NDF: 1442444.3/70


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
170
Right In: -1900.125+/-2739.954 χ²/NDF: 14.4/15
Left Out: 696.789+/-2111.549 χ²/NDF:22.6/18
Right Out: -762.513+/-2549.943 χ²/NDF: 17.3/18
Left In: 1185.483+/-2436.270 χ²/NDF:11.1/16
Left: 906.419+/-1595.637 χ²/NDF: 33.7/35
Right: -1290.509+/-1866.644 χ²/NDF: 31.7/34
In: -176.913+/-1820.642 χ²/NDF:26.1/32
Out: 103.176+/-1626.333 χ²/NDF:40.1/37
All: -21.130+/-1212.892 χ²/NDF: 66.2/70



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7733.339+/-1.493 χ^2/NDF:2814791.7/18

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8930.776+/-1.723 χ^2/NDF:1019422.7/16

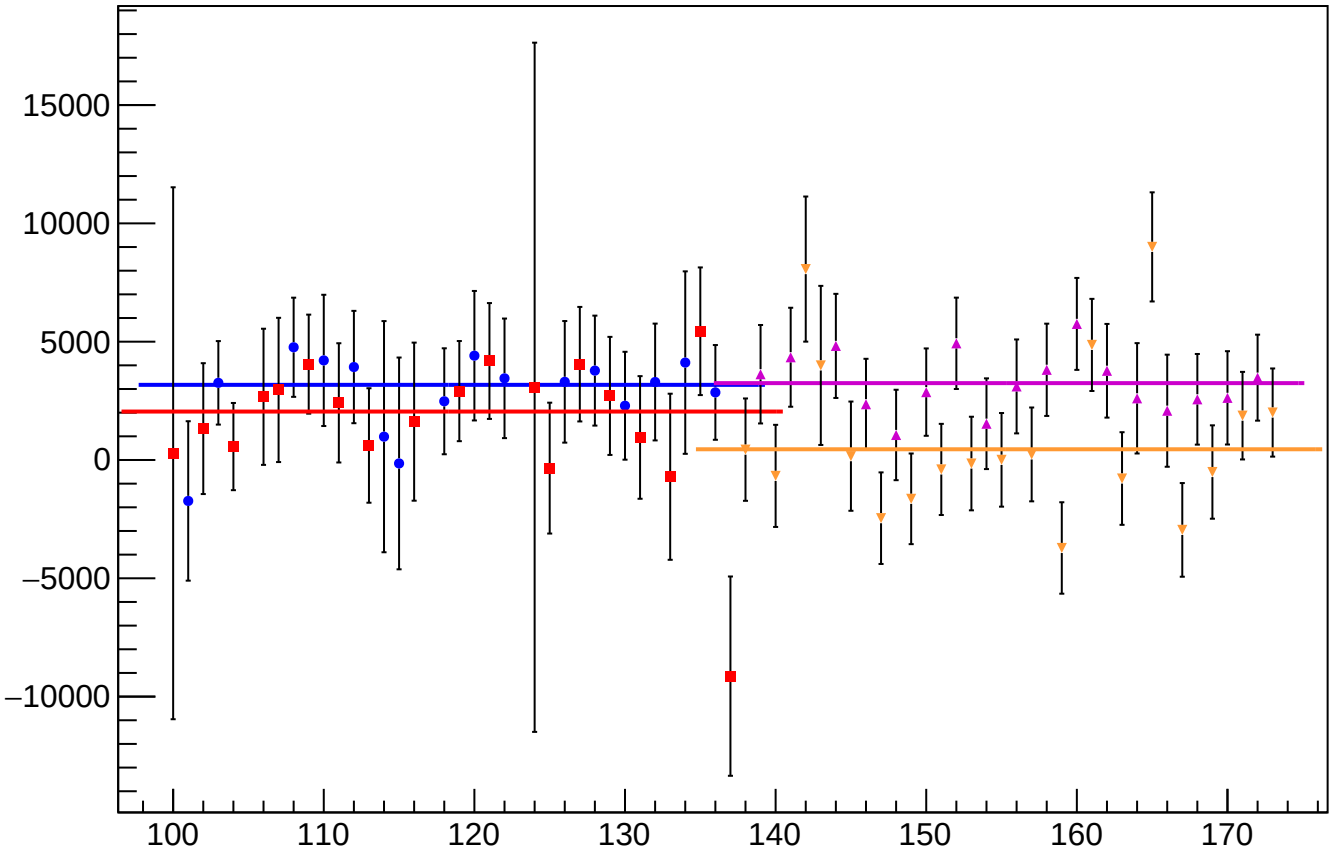
Left: 8246.993+/-1.128 χ^2/NDF: 4110113.7/35

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 8173.660+/-1.287 χ^2/NDF:1969012.4/32

Out: 7332.417+/-1.150 χ^2/NDF:3700836.5/37

All: 7705.767+/-0.858 χ^2/NDF: 5907340.9/70



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 452.820+/-473.601 χ^2/NDF:39.8/18

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3248.428+/-483.539 χ^2/NDF:6.3/16

Left: 1821.600+/-338.346 χ^2/NDF: 63.2/35

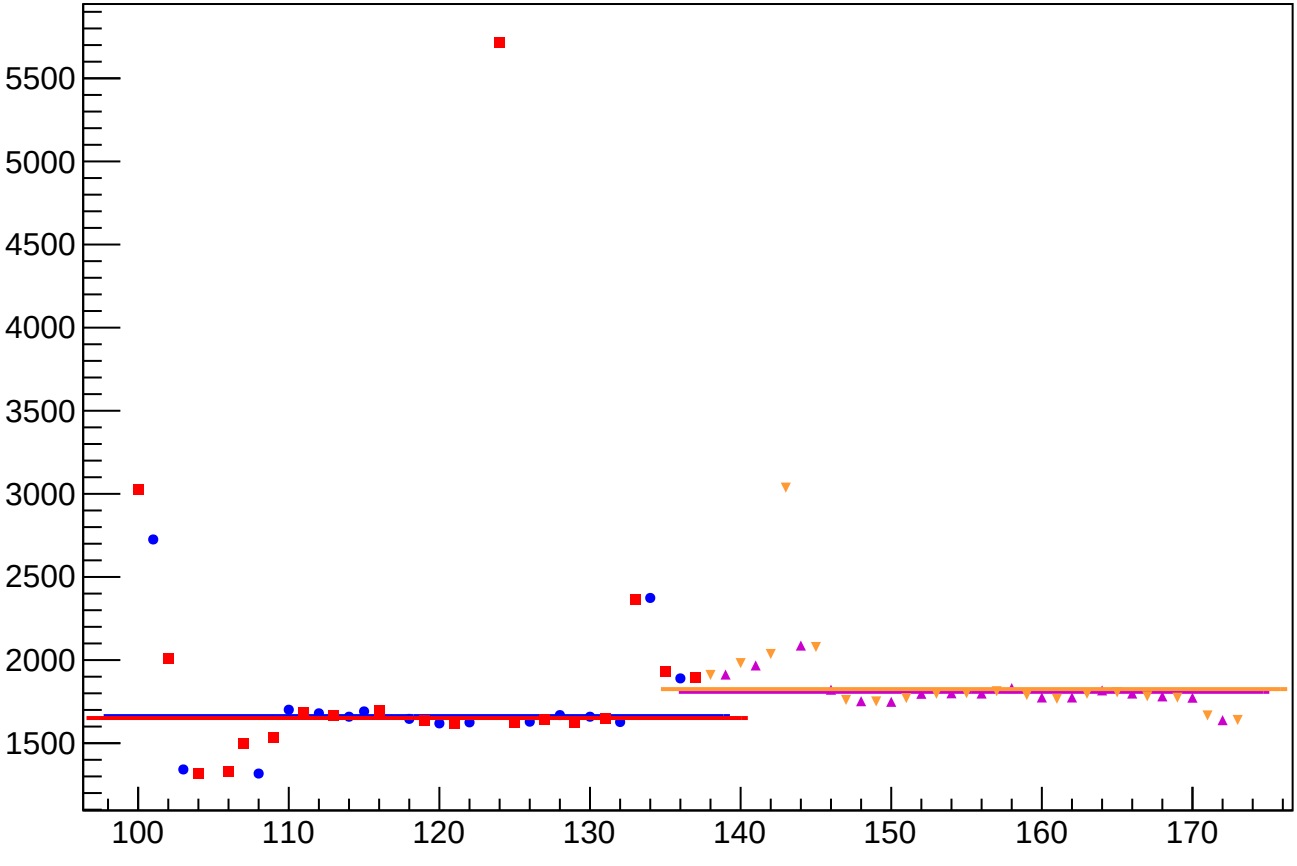
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3221.355+/-383.127 χ^2/NDF:10.6/32

Out: 1038.544+/-376.694 χ^2/NDF:58.0/37

All: 2111.472+/-268.608 χ^2/NDF: 85.2/70

eigen_cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1825.265+/-0.335 χ^2/NDF:354666.1/18

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1808.990+/-0.342 χ^2/NDF:72808.1/16

Left: 1817.296+/-0.239 χ^2/NDF: 428630.6/35

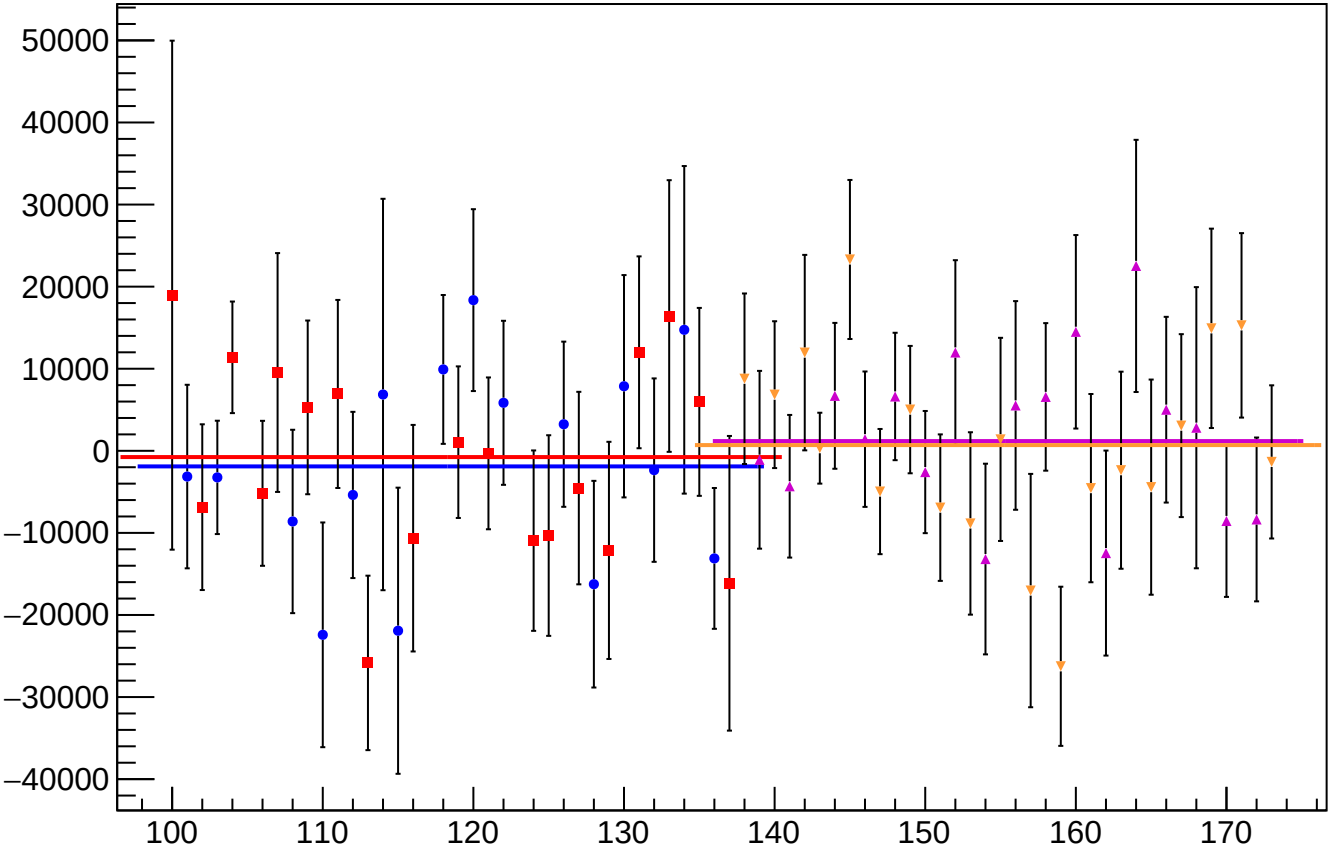
Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1754.616+/-0.271 χ^2/NDF:556386.9/32

Out: 1761.364+/-0.266 χ^2/NDF:885741.8/37

All: 1758.047+/-0.190 χ^2/NDF: 1442444.3/70

asym_at2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 696.789+/-2111.549 χ^2/NDF:22.6/18

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 1185.483+/-2436.270 χ^2/NDF:11.1/16

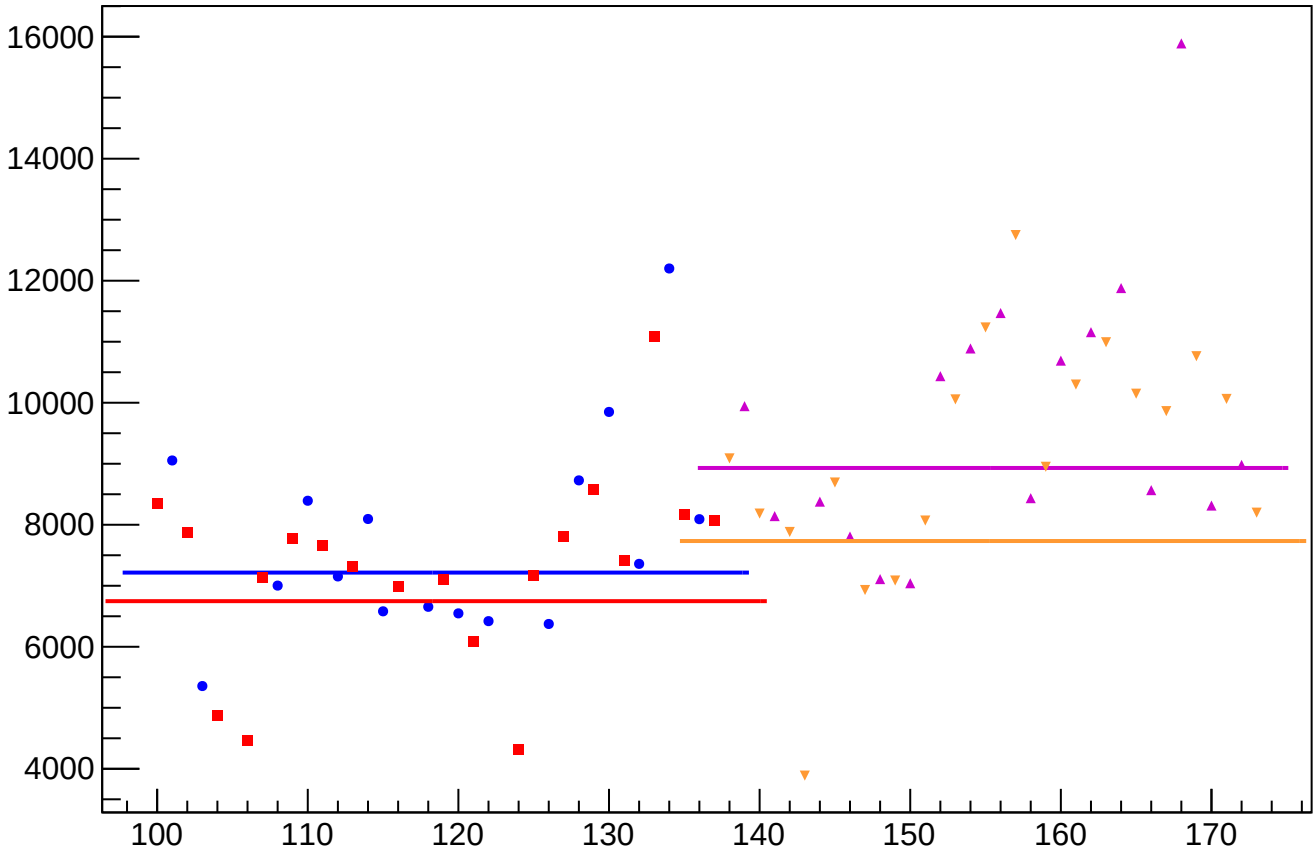
Left: 906.419+/-1595.637 χ^2/NDF: 33.7/35

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -176.913+/-1820.642 χ^2/NDF:26.1/32

Out: 103.176+/-1626.333 χ^2/NDF:40.1/37

All: -21.130+/-1212.892 χ^2/NDF: 66.2/70



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7733.339+/-1.493 χ^2/NDF:2814791.7/18

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8930.776+/-1.723 χ^2/NDF:1019422.7/16

Left: 8246.993+/-1.128 χ^2/NDF: 4110113.7/35

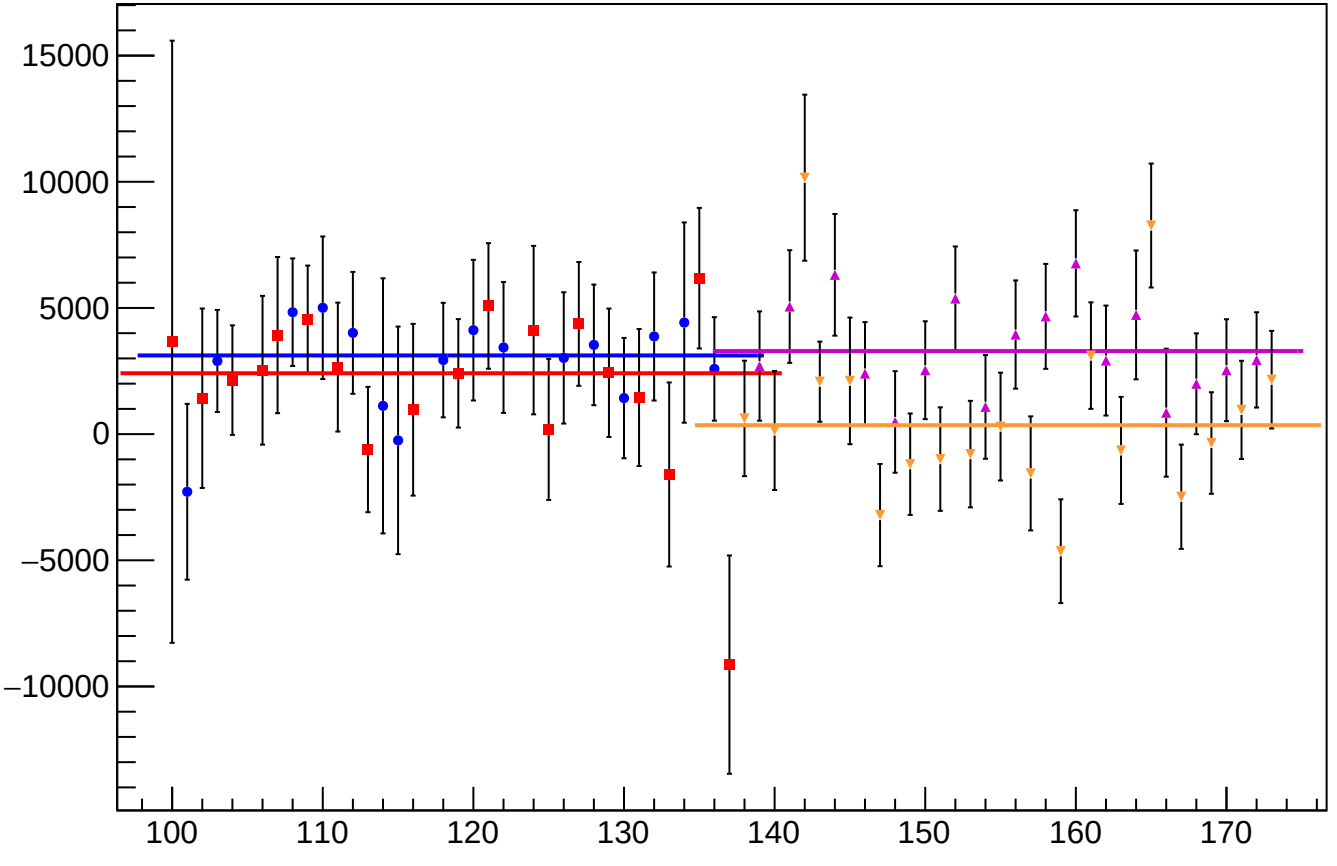
Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 8173.660+/-1.287 χ^2/NDF:1969012.4/32

Out: 7332.417+/-1.150 χ^2/NDF:3700836.5/37

All: 7705.767+/-0.858 χ^2/NDF: 5907340.9/70

dit_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 354.329+/-485.165 χ^2/NDF:36.9/18

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 3291.679+/-514.379 χ^2/NDF:11.9/16

Left: 1737.225+/-352.940 χ^2/NDF: 66.0/35

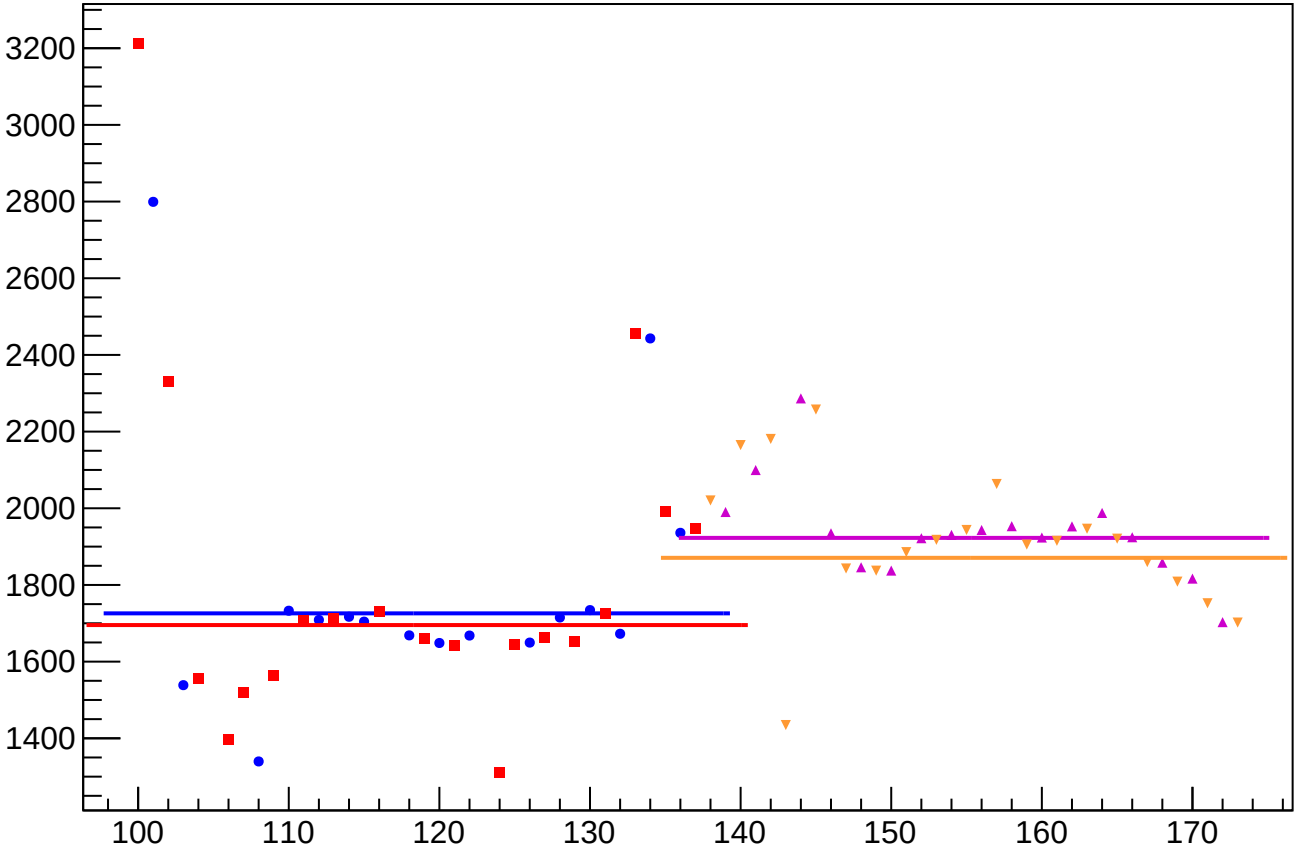
Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3224.893+/-403.625 χ^2/NDF:17.2/32

Out: 1106.907+/-386.412 χ^2/NDF:59.4/37

All: 2119.775+/-279.122 χ^2/NDF: 91.0/70

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1870.755+/-0.343 χ^2/NDF:304144.3/18

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 1922.774+/-0.364 χ^2/NDF:103954.7/16

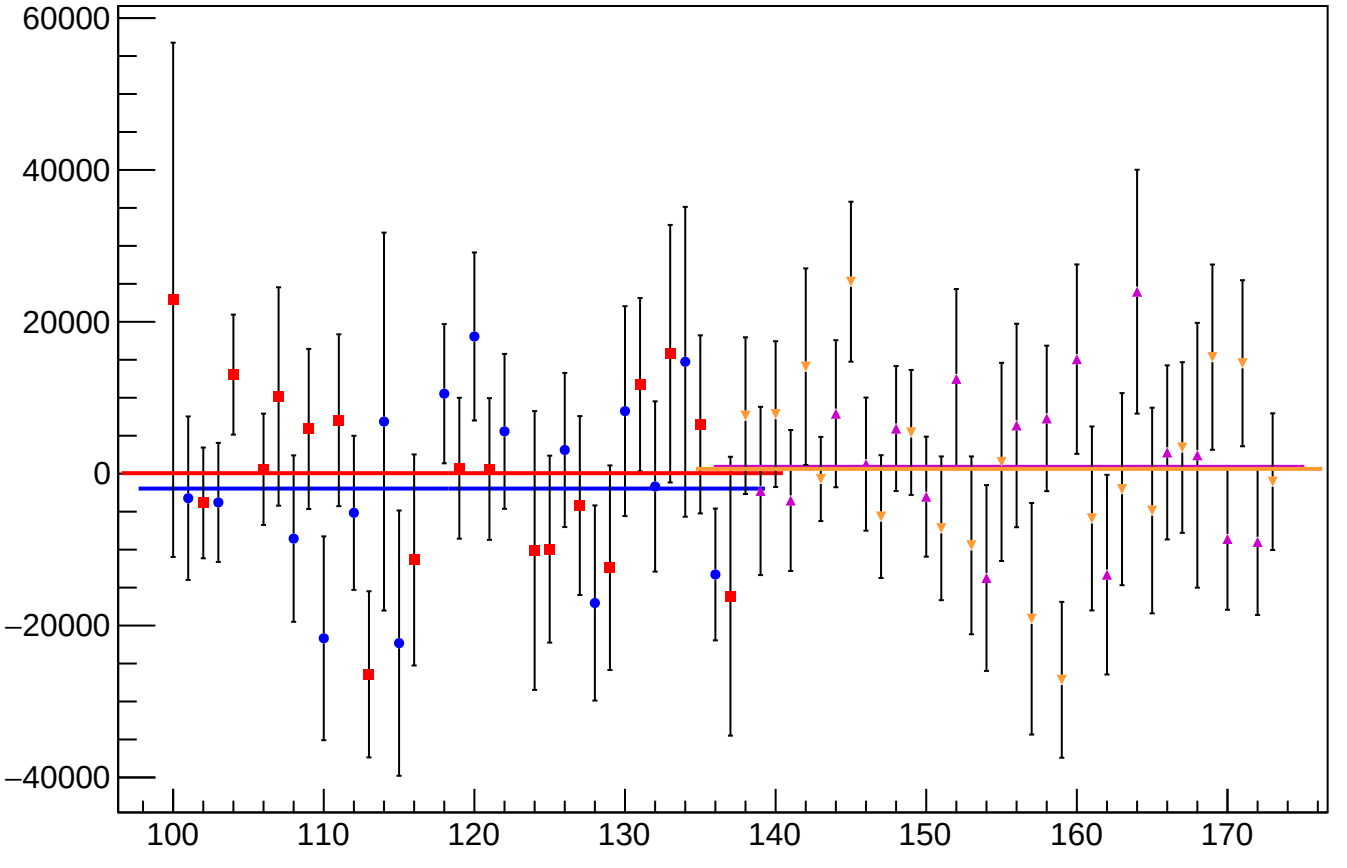
Left: 1895.246+/-0.250 χ^2/NDF: 418923.4/35

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1847.125+/-0.285 χ^2/NDF:582165.3/32

Out: 1806.600+/-0.273 χ^2/NDF:685360.8/37

All: 1825.977+/-0.197 χ^2/NDF: 1278047.2/70



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 631.345+/-2295.223 χ^2/NDF:22.7/18

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: 903.073+/-2550.096 χ^2/NDF:11.1/16

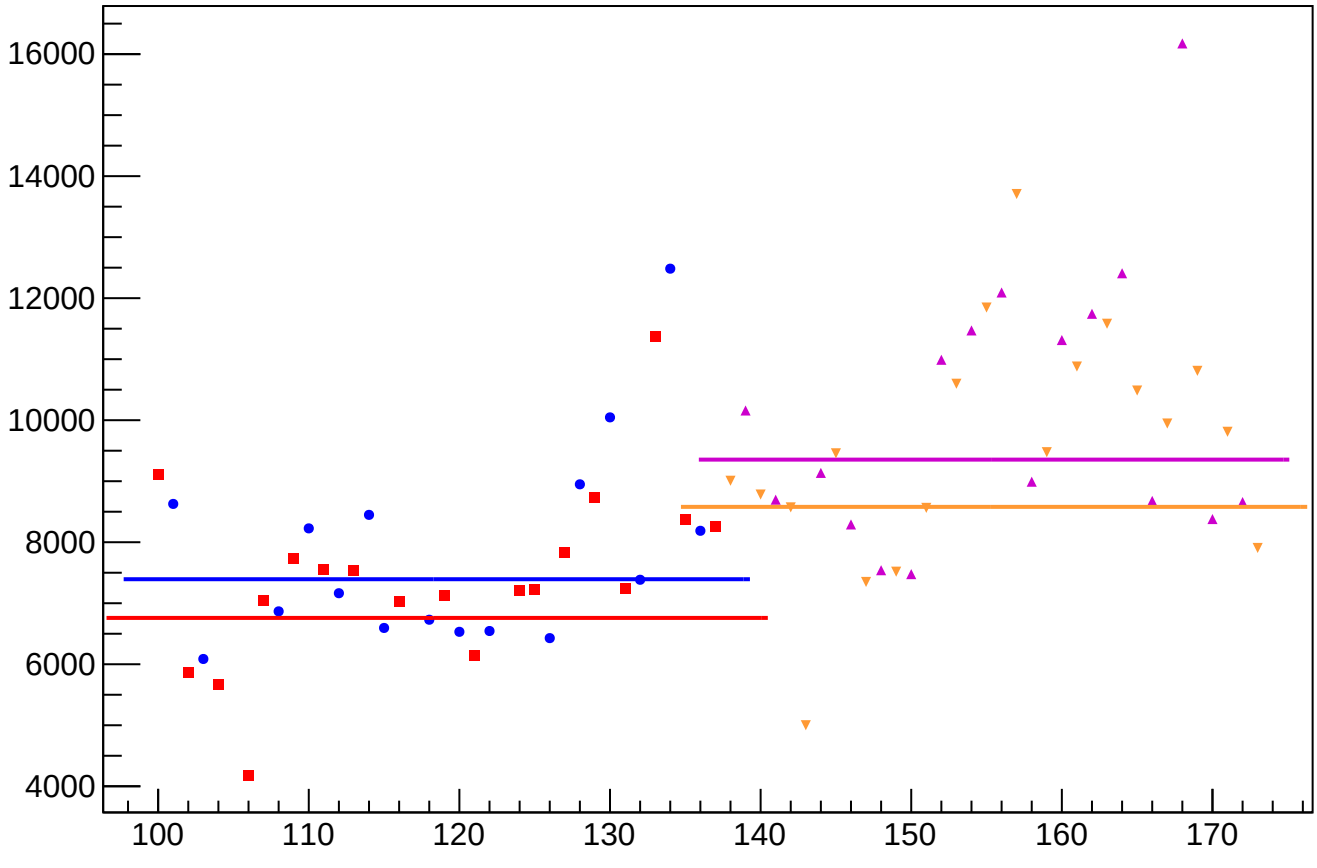
Left: 752.955+/-1705.980 χ^2/NDF: 33.8/35

Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -395.224+/-1884.845 χ^2/NDF:26.1/32

Out: 377.036+/-1699.781 χ^2/NDF:38.8/37

All: 30.670+/-1262.298 χ^2/NDF: 65.0/70



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8579.522+/-1.623 χ^2/NDF:1715052.9/18

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9353.948+/-1.803 χ^2/NDF:978519.7/16

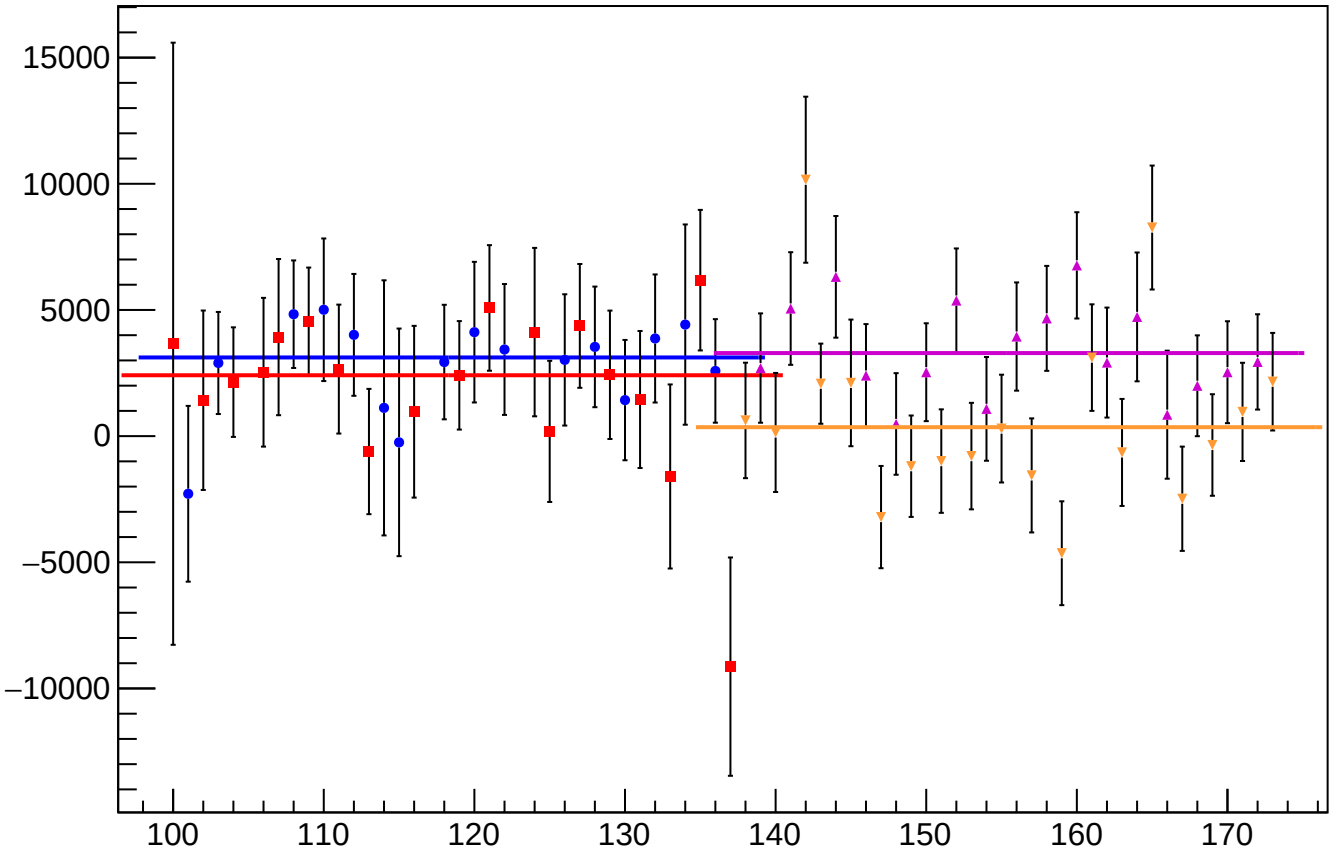
Left: 8926.111+/-1.206 χ^2/NDF: 2795472.6/35

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 8464.566+/-1.333 χ^2/NDF:1916554.6/32

Out: 7757.656+/-1.202 χ^2/NDF:2927248.2/37

All: 8074.712+/-0.893 χ^2/NDF: 4998950.1/70



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 354.321+/-485.165 χ^2/NDF:36.9/18

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 3291.681+/-514.380 χ^2/NDF:11.9/16

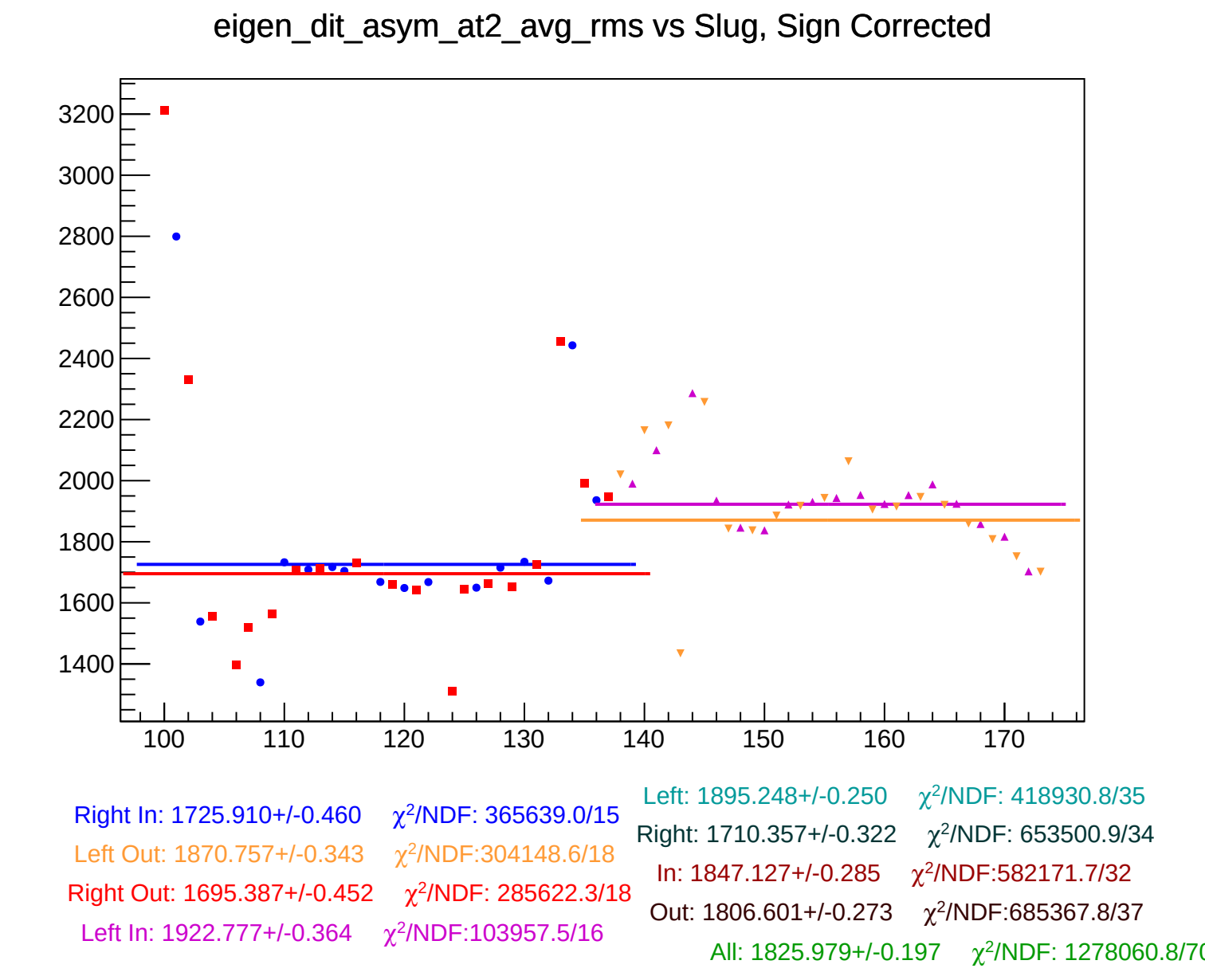
Left: 1737.221+/-352.940 χ^2/NDF: 66.0/35

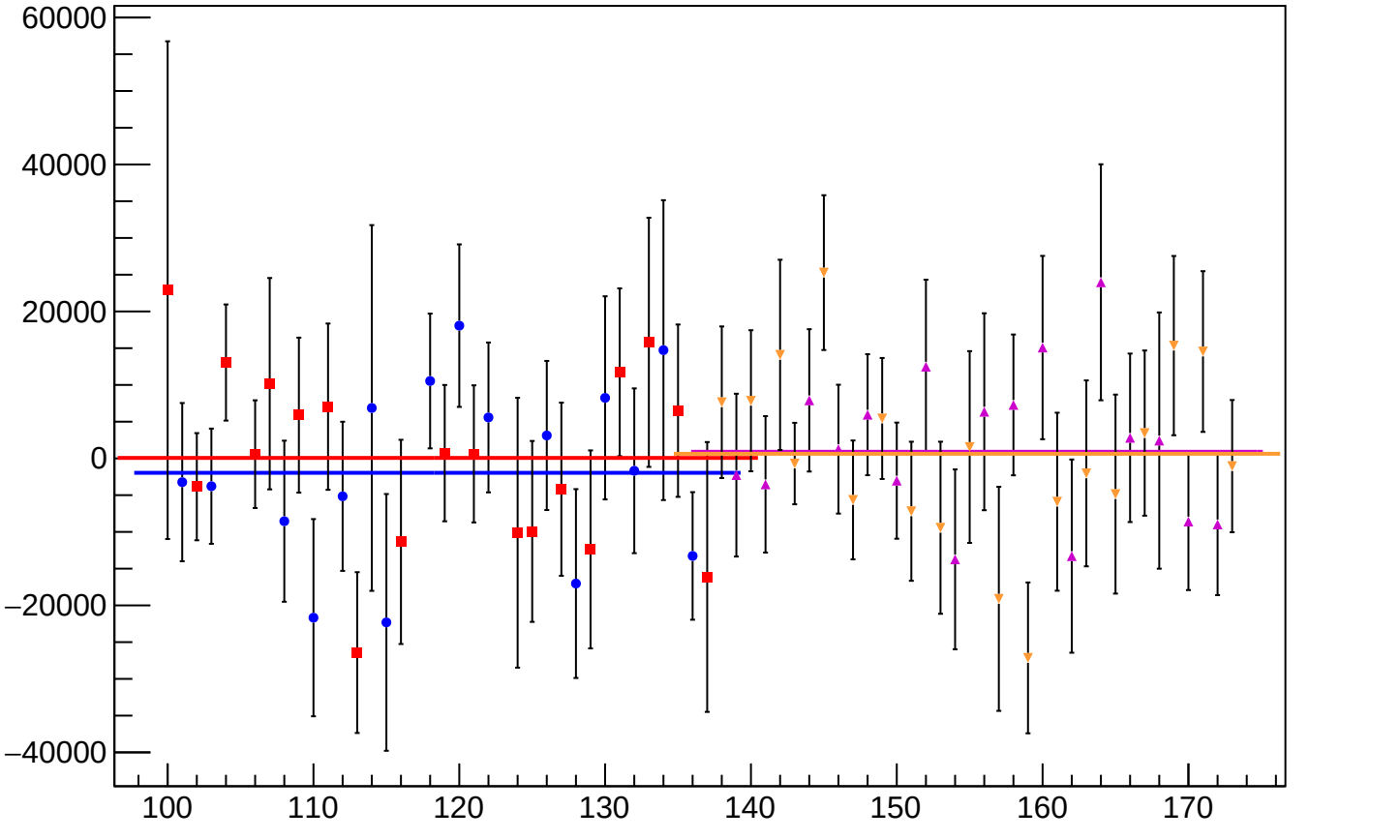
Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

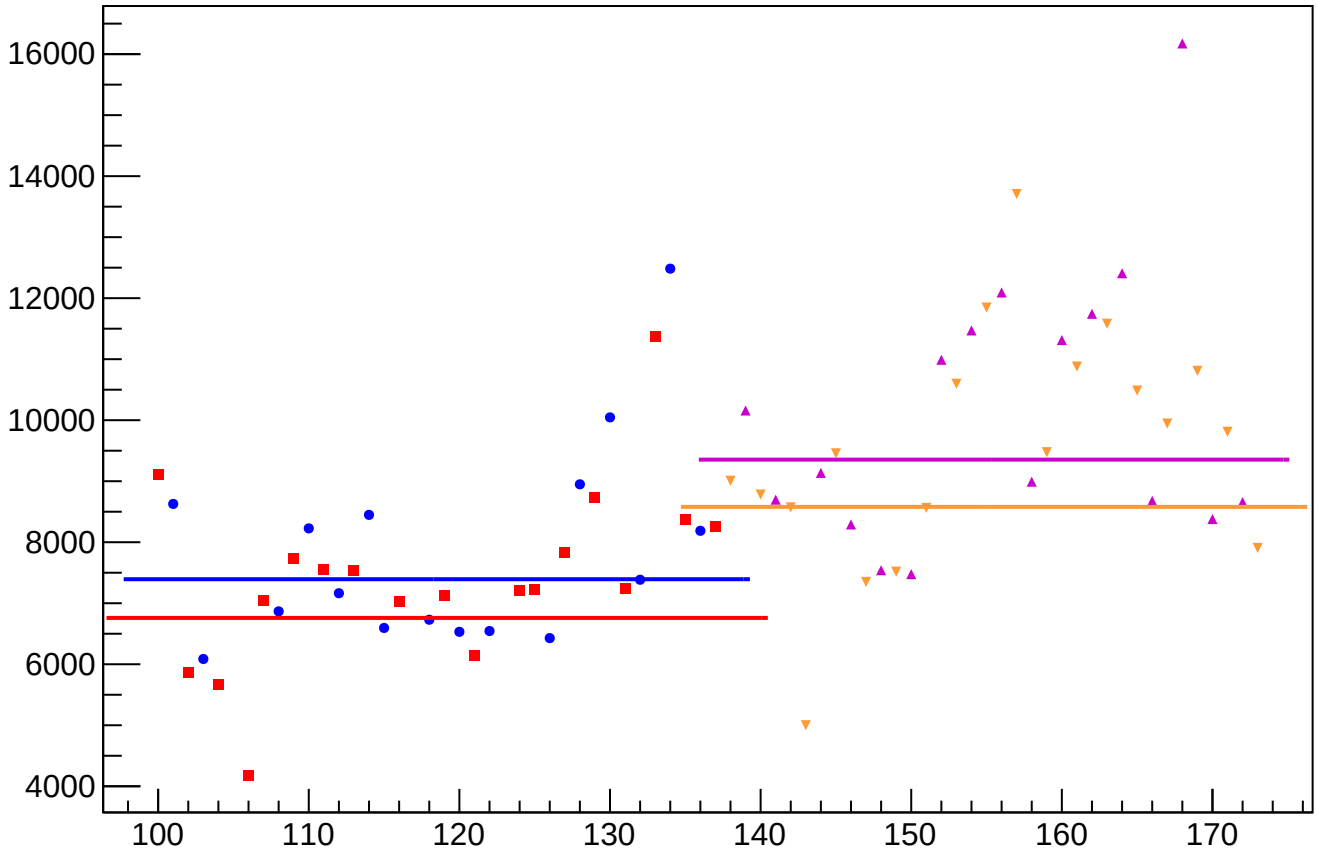
In: 3224.895+/-403.626 χ^2/NDF:17.2/32

Out: 1106.906+/-386.413 χ^2/NDF:59.4/37

All: 2119.776+/-279.122 χ^2/NDF: 91.0/70


eigen_dit_asym_at2_avg_rms vs Slug, Sign Corrected
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
160
170
Right In: 1725.910+/-0.460 χ²/NDF: 365639.0/15
Left Out: 1870.757+/-0.343 χ²/NDF:304148.6/18
Right Out: 1695.387+/-0.452 χ²/NDF: 285622.3/18
Left In: 1922.777+/-0.364 χ²/NDF:103957.5/16
Left: 1895.248+/-0.250 χ²/NDF: 418930.8/35
Right: 1710.357+/-0.322 χ²/NDF: 653500.9/34
In: 1847.127+/-0.285 χ²/NDF:582171.7/32
Out: 1806.601+/-0.273 χ²/NDF:685367.8/37
All: 1825.979+/-0.197 χ²/NDF: 1278060.8/70


asym_at2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -1958.538+/-2798.302 χ²/NDF: 14.4/15
Left Out: 631.339+/-2295.227 χ²/NDF:22.7/18
Right Out: 68.163+/-2529.521 χ²/NDF: 16.1/18
Left In: 903.071+/-2550.100 χ²/NDF:11.1/16
Left: 752.951+/-1705.983 χ²/NDF: 33.8/35
Right: -843.203+/-1876.490 χ²/NDF: 30.8/34
In: -395.221+/-1884.845 χ²/NDF:26.1/32
Out: 377.035+/-1699.781 χ²/NDF:38.8/37
All: 30.671+/-1262.297 χ²/NDF: 65.0/70



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8579.536+/-1.623 χ^2/NDF:1715052.8/18

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 9353.961+/-1.803 χ^2/NDF:978521.7/16

Left: 8926.125+/-1.206 χ^2/NDF: 2795474.1/35

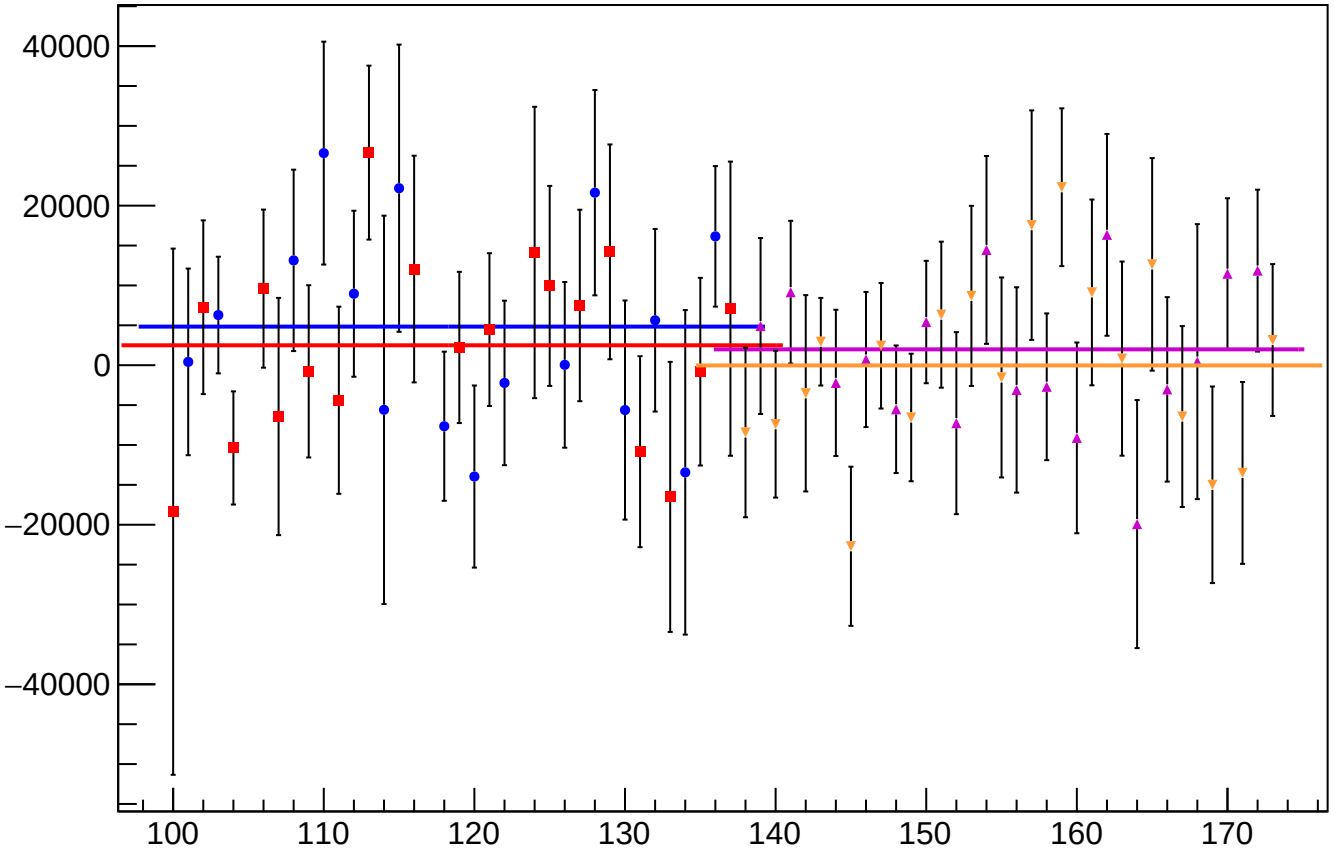
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 8464.561+/-1.333 χ^2/NDF:1916576.2/32

Out: 7757.654+/-1.202 χ^2/NDF:2927265.1/37

All: 8074.709+/-0.893 χ^2/NDF: 4998987.8/70

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -28.488+/-2256.829 χ^2/NDF:20.1/18

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 1985.343+/-2491.785 χ^2/NDF:10.5/16

Left: 879.028+/-1672.732 χ^2/NDF: 30.9/35

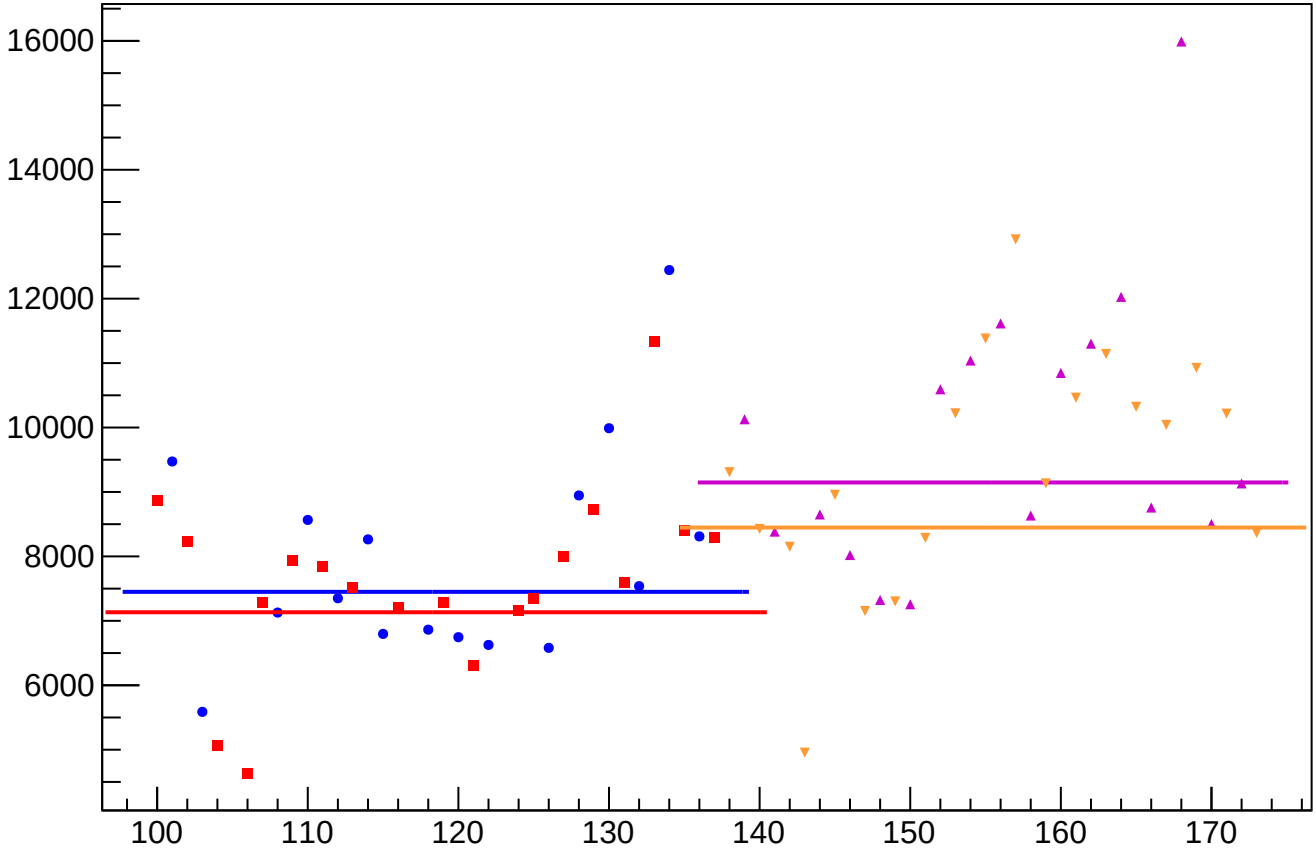
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 3231.565+/-1869.850 χ^2/NDF:25.4/32

Out: 1011.803+/-1730.408 χ^2/NDF:35.5/37

All: 2035.838+/-1270.022 χ^2/NDF: 61.7/70

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8447.742+/-1.596 χ^2/NDF:1652926.0/18

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 9147.399+/-1.762 χ^2/NDF:954446.7/16

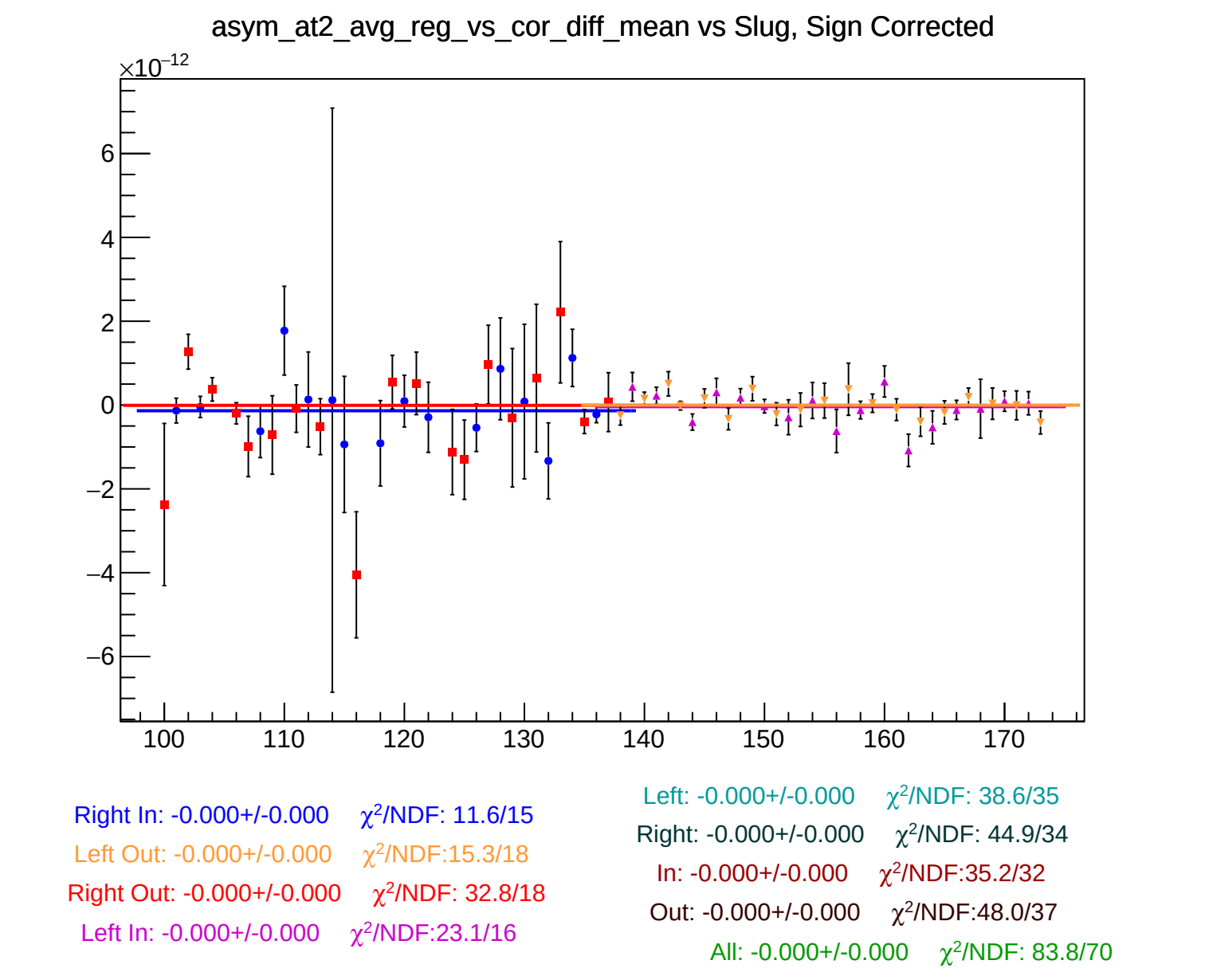
Left: 8763.037+/-1.183 χ^2/NDF: 2693996.0/35

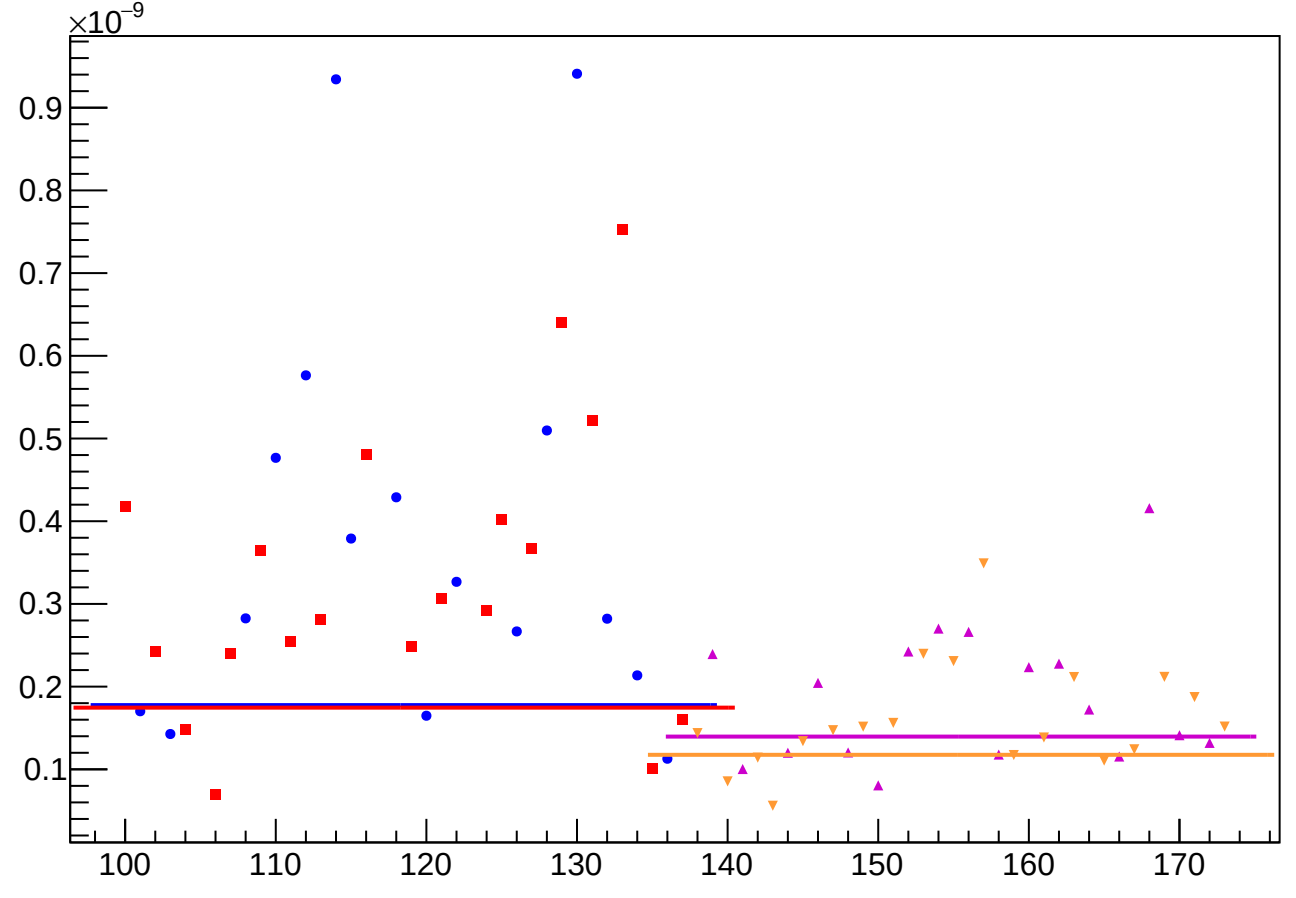
Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 8405.807+/-1.322 χ^2/NDF:1846346.9/32

Out: 7905.932+/-1.224 χ^2/NDF:2489612.3/37

All: 8136.532+/-0.898 χ^2/NDF: 4412956.9/70


asym_at2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 11.6/15
Left Out: -0.000+/-0.000 χ²/NDF:15.3/18
Right Out: -0.000+/-0.000 χ²/NDF: 32.8/18
Left In: -0.000+/-0.000 χ²/NDF:23.1/16
Left: -0.000+/-0.000 χ²/NDF: 38.6/35
Right: -0.000+/-0.000 χ²/NDF: 44.9/34
In: -0.000+/-0.000 χ²/NDF:35.2/32
Out: -0.000+/-0.000 χ²/NDF:48.0/37
All: -0.000+/-0.000 χ²/NDF: 83.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1937722.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1624867.7/16

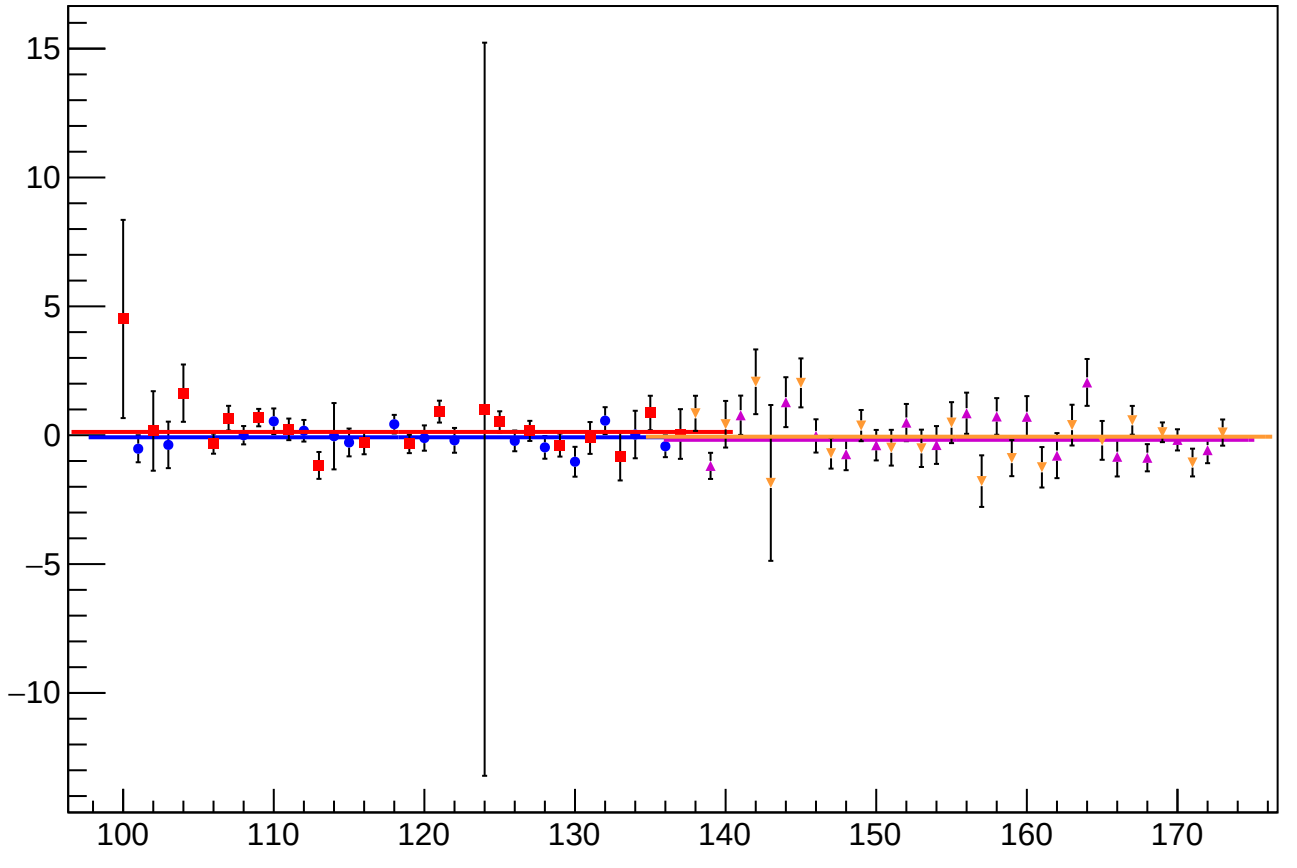
Left: 0.000+/-0.000 χ^2/NDF: 3699781.5/35

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:3311050.2/32

Out: 0.000+/-0.000 χ^2/NDF:3940290.7/37

All: 0.000+/-0.000 χ^2/NDF: 7414718.3/70



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.057+/-0.155 χ^2/NDF:25.1/18

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.178+/-0.156 χ^2/NDF:23.9/16

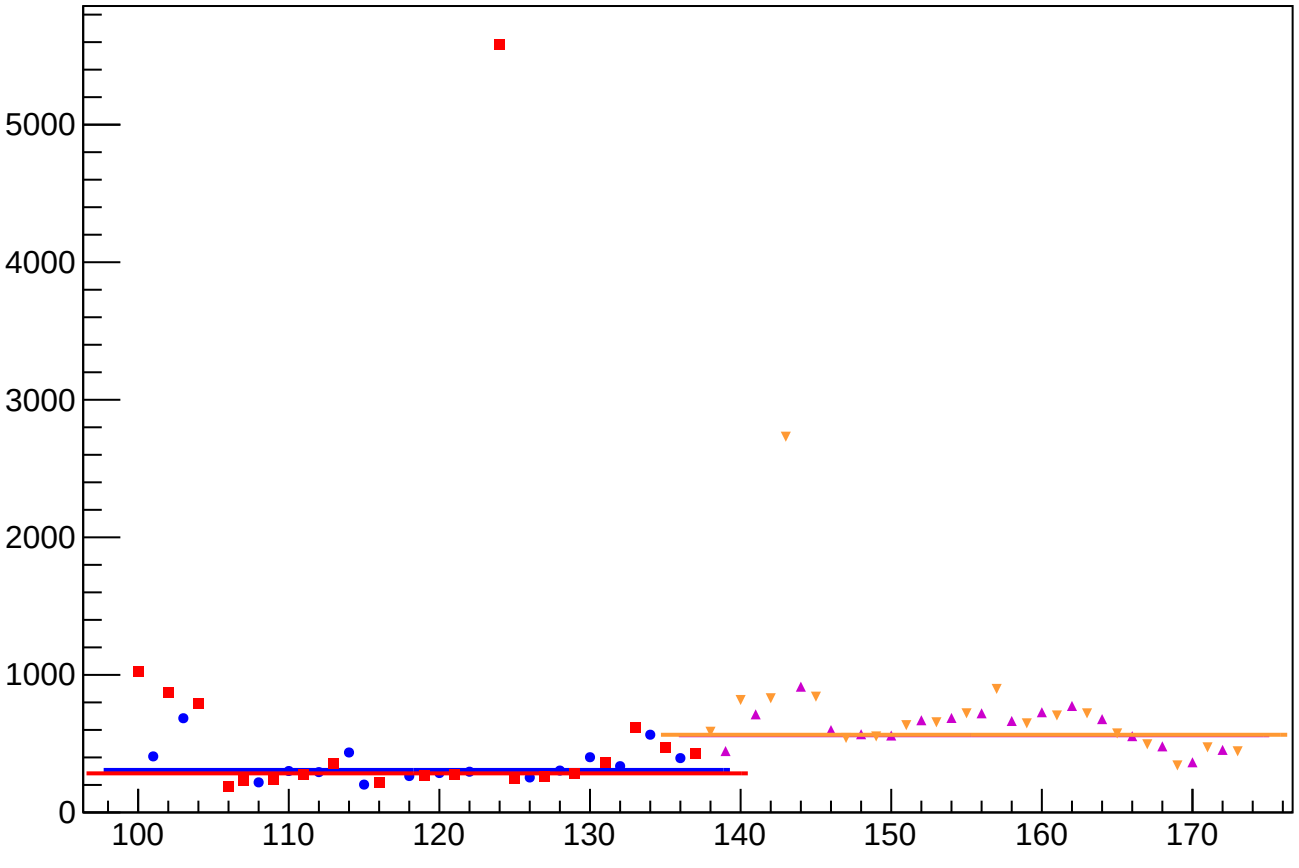
Left: -0.117+/-0.110 χ^2/NDF: 49.3/35

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.117+/-0.096 χ^2/NDF:34.9/32

Out: 0.060+/-0.093 χ^2/NDF:51.3/37

All: -0.026+/-0.067 χ^2/NDF: 87.9/70



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 564.770+/-0.109 χ^2/NDF:2847341.7/18

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 561.213+/-0.110 χ^2/NDF:1513769.8/16

Left: 563.006+/-0.078 χ^2/NDF: 4361635.1/35

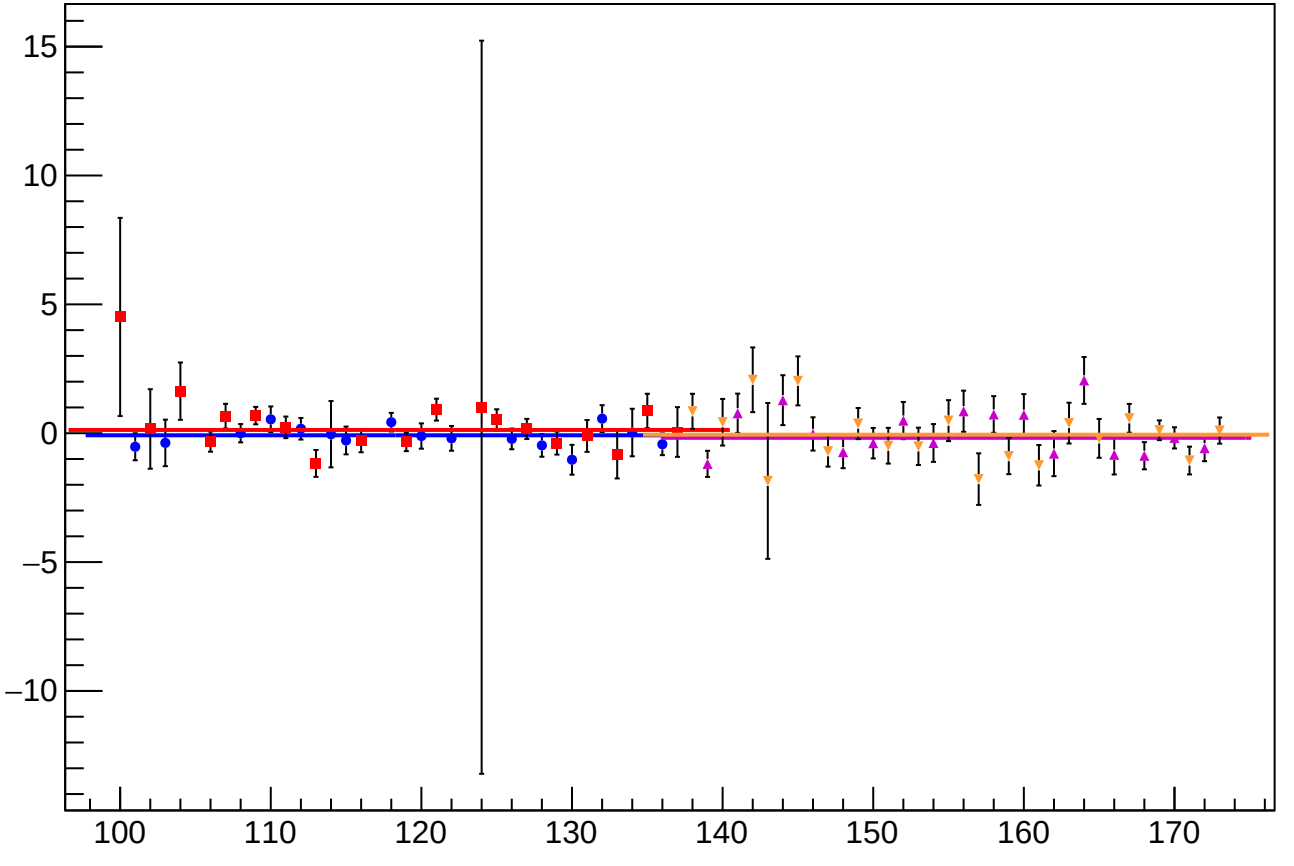
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 404.551+/-0.068 χ^2/NDF:5769404.0/32

Out: 386.082+/-0.066 χ^2/NDF:8887159.0/37

All: 395.047+/-0.047 χ^2/NDF: 14694607.9/70

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: -0.057+/-0.155 χ^2/NDF:25.1/18

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.178+/-0.156 χ^2/NDF:23.9/16

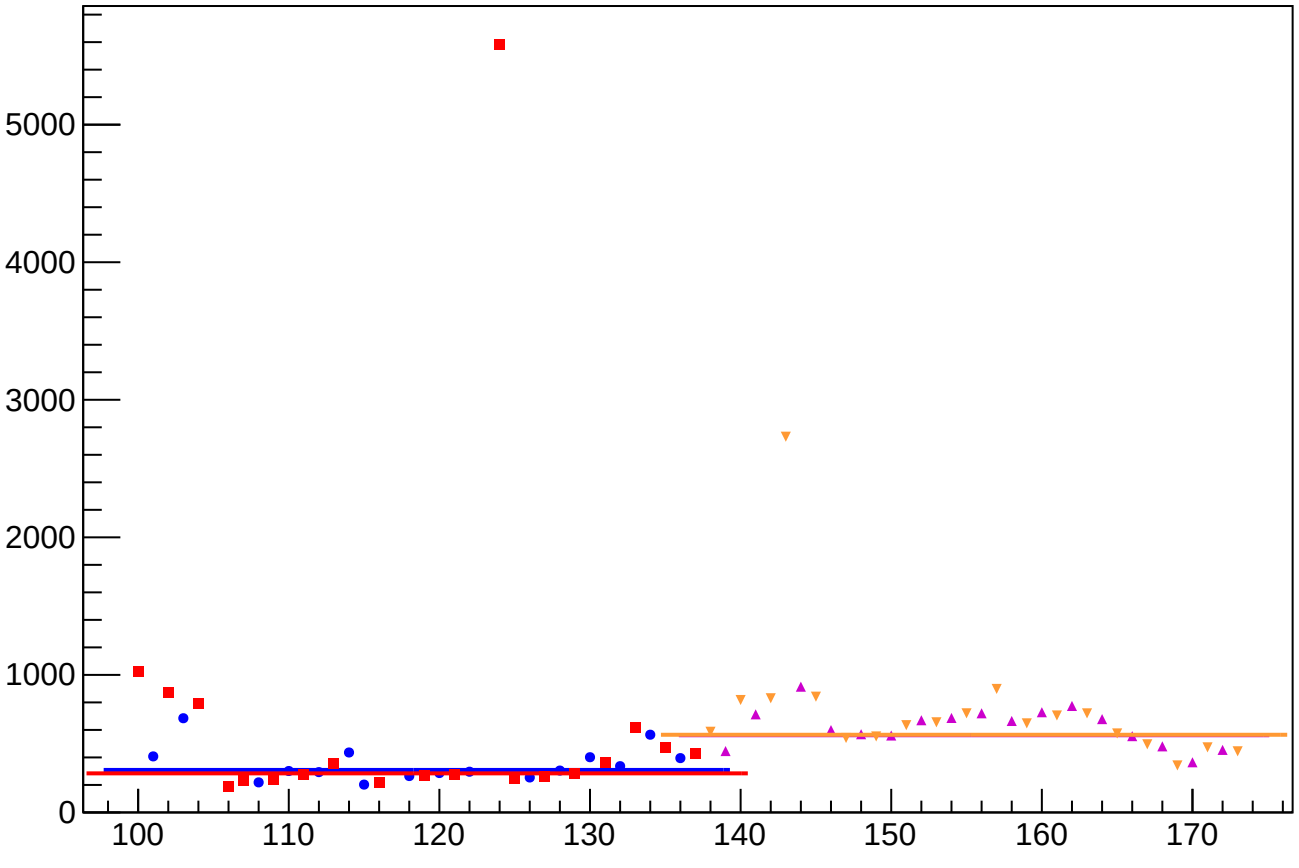
Left: -0.117+/-0.110 χ^2/NDF: 49.3/35

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.117+/-0.096 χ^2/NDF:34.9/32

Out: 0.060+/-0.093 χ^2/NDF:51.3/37

All: -0.026+/-0.067 χ^2/NDF: 87.9/70



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 564.770+/-0.109 χ^2/NDF:2847341.7/18

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 561.213+/-0.110 χ^2/NDF:1513769.8/16

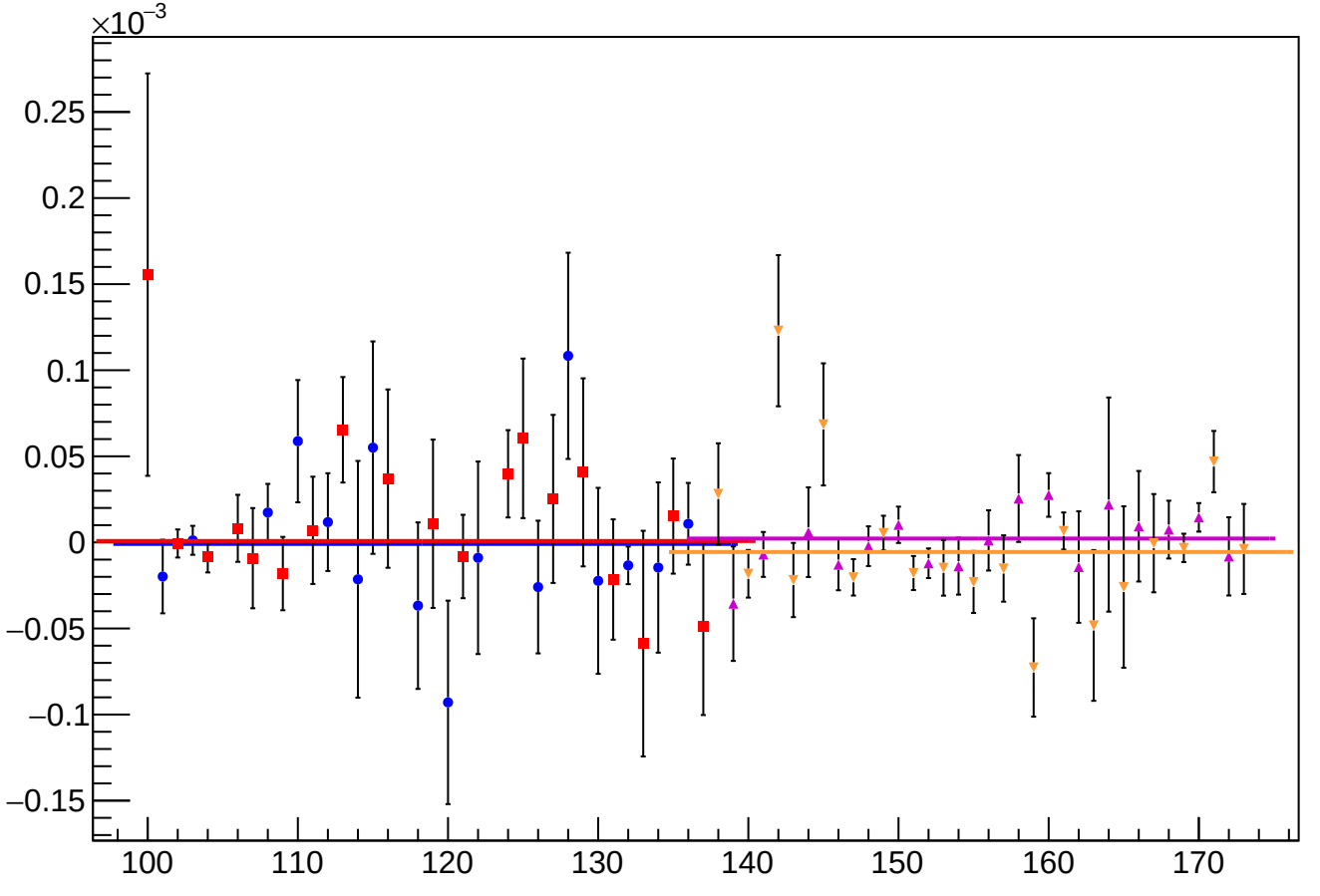
Left: 563.006+/-0.078 χ^2/NDF: 4361635.1/35

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 404.551+/-0.068 χ^2/NDF:5769404.0/32

Out: 386.082+/-0.066 χ^2/NDF:8887159.0/37

All: 395.047+/-0.047 χ^2/NDF: 14694607.9/70



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:38.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:15.1/16

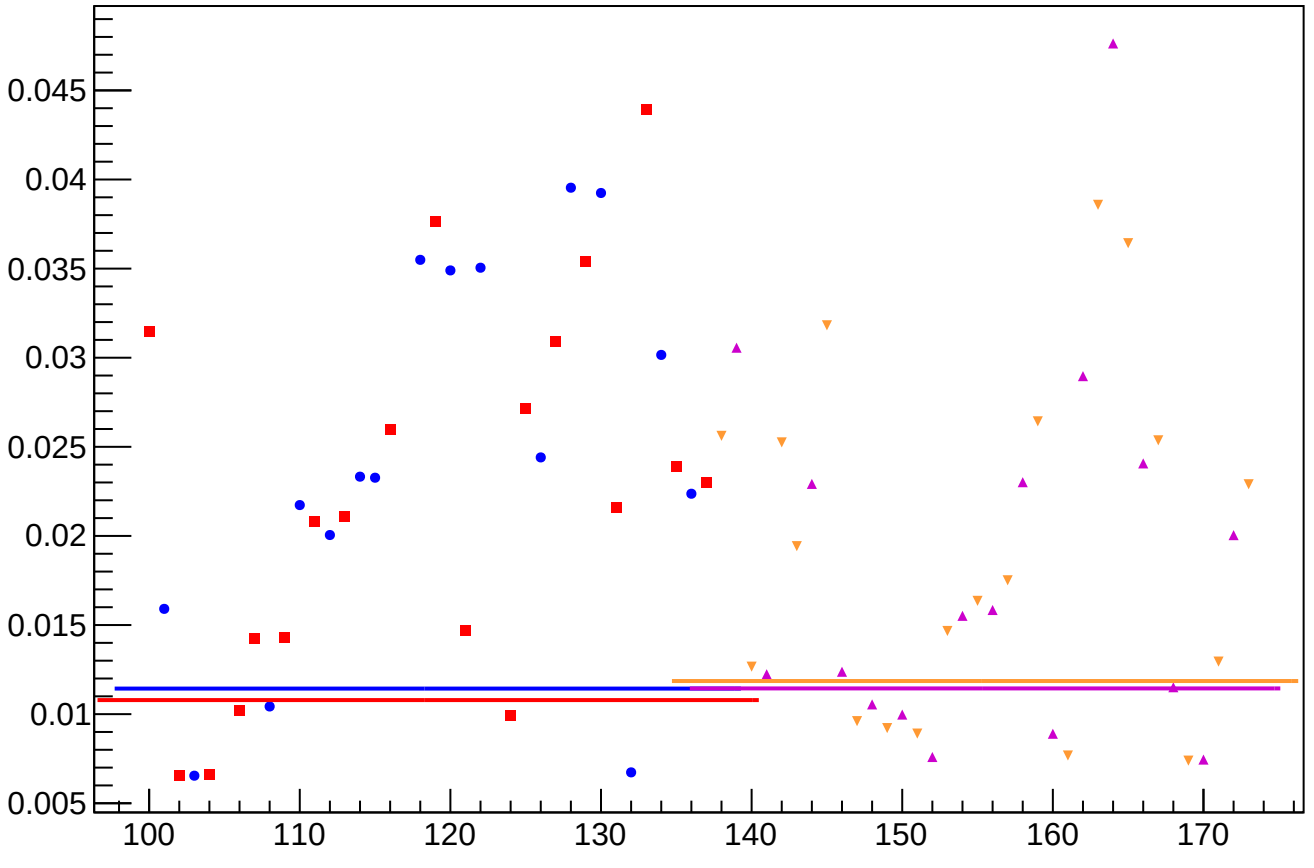
Left: -0.000+/-0.000 χ^2/NDF: 56.0/35

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: 0.000+/-0.000 χ^2/NDF:29.8/32

Out: -0.000+/-0.000 χ^2/NDF:55.8/37

All: -0.000+/-0.000 χ^2/NDF: 86.9/70



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:5789567.6/18

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.011+/-0.000 χ^2/NDF:4586912.2/16

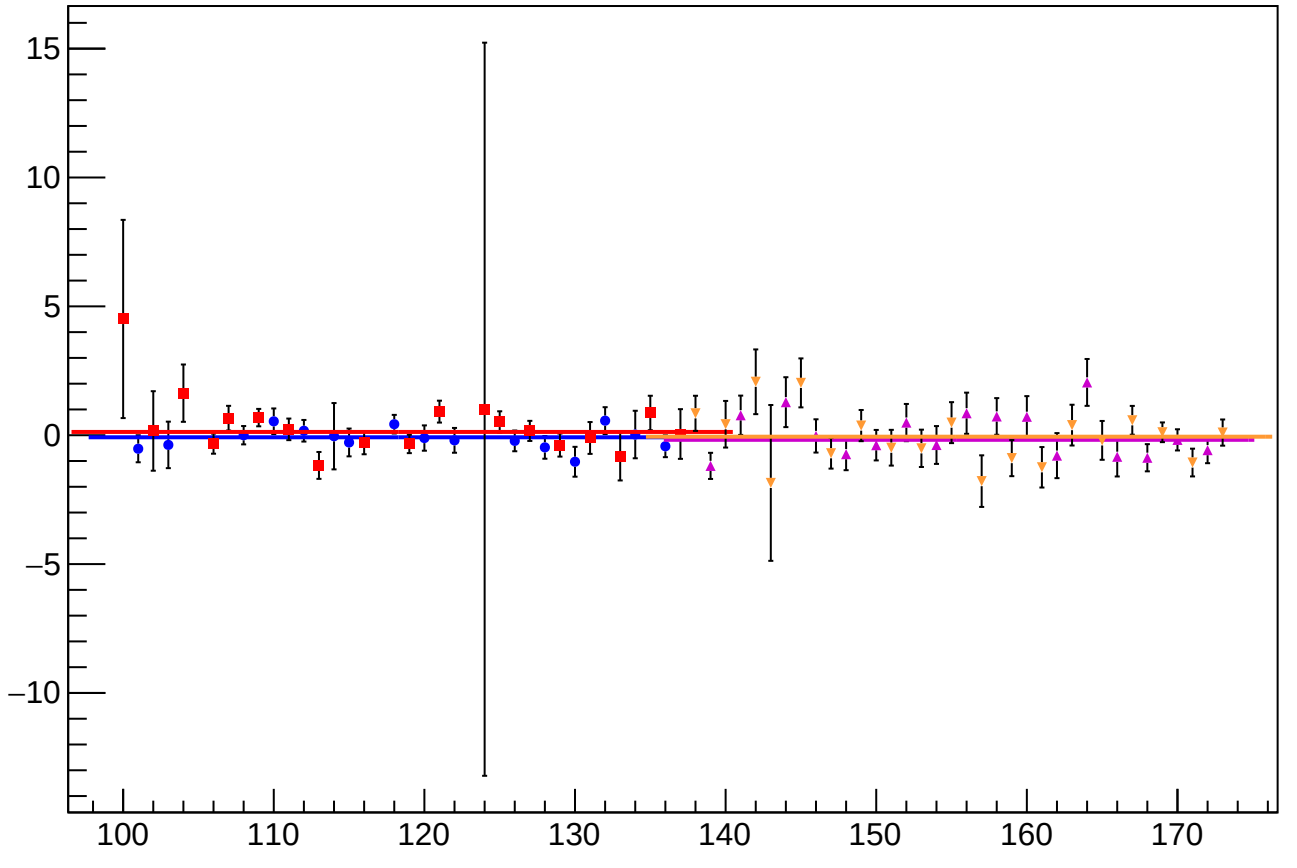
Left: 0.012+/-0.000 χ^2/NDF: 10390227.6/35

Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.011+/-0.000 χ^2/NDF:9286853.9/32

Out: 0.011+/-0.000 χ^2/NDF:10326807.1/37

All: 0.011+/-0.000 χ^2/NDF: 19613908.0/70



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.057+/-0.155 χ^2/NDF:25.1/18

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.178+/-0.156 χ^2/NDF:23.9/16

Left: -0.117+/-0.110 χ^2/NDF: 49.3/35

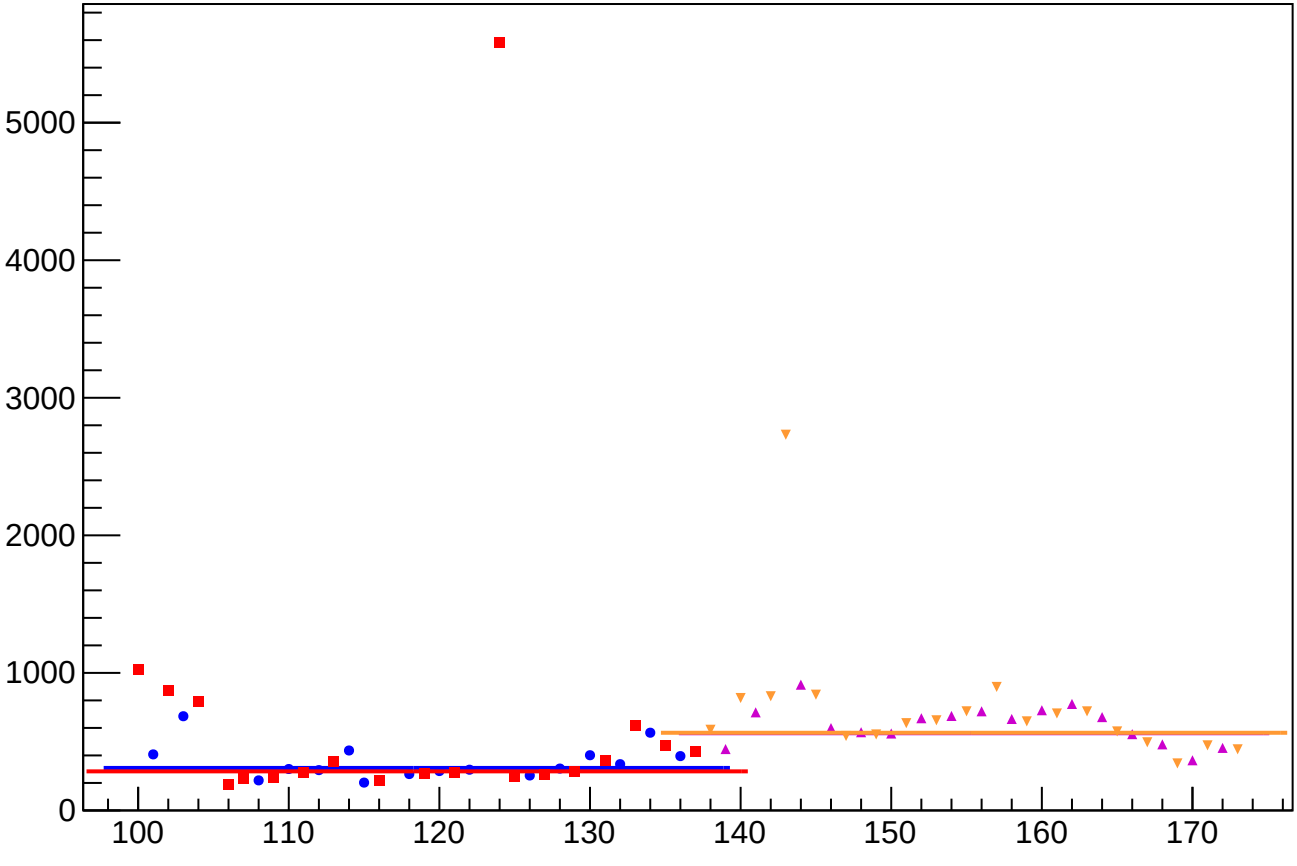
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.117+/-0.096 χ^2/NDF:34.9/32

Out: 0.060+/-0.093 χ^2/NDF:51.3/37

All: -0.026+/-0.067 χ^2/NDF: 87.9/70

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 564.770+/-0.109 χ^2/NDF:2847495.5/18

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 561.217+/-0.110 χ^2/NDF:1513840.8/16

Left: 563.008+/-0.078 χ^2/NDF: 4361858.7/35

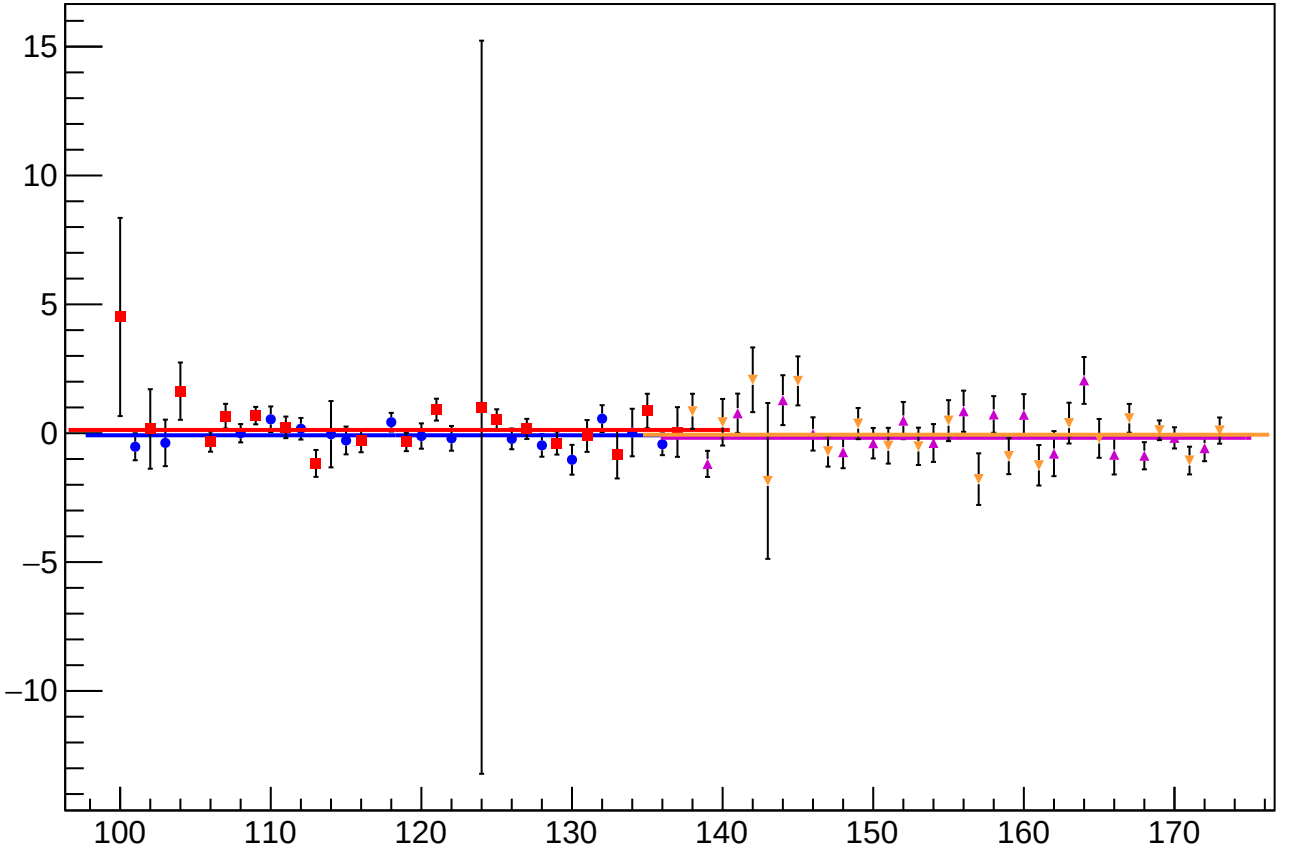
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 404.551+/-0.068 χ^2/NDF:5769542.2/32

Out: 386.081+/-0.066 χ^2/NDF:8887309.8/37

All: 395.046+/-0.047 χ^2/NDF: 14694900.1/70

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: -0.057+/-0.155 χ^2/NDF:25.1/18

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.178+/-0.156 χ^2/NDF:23.9/16

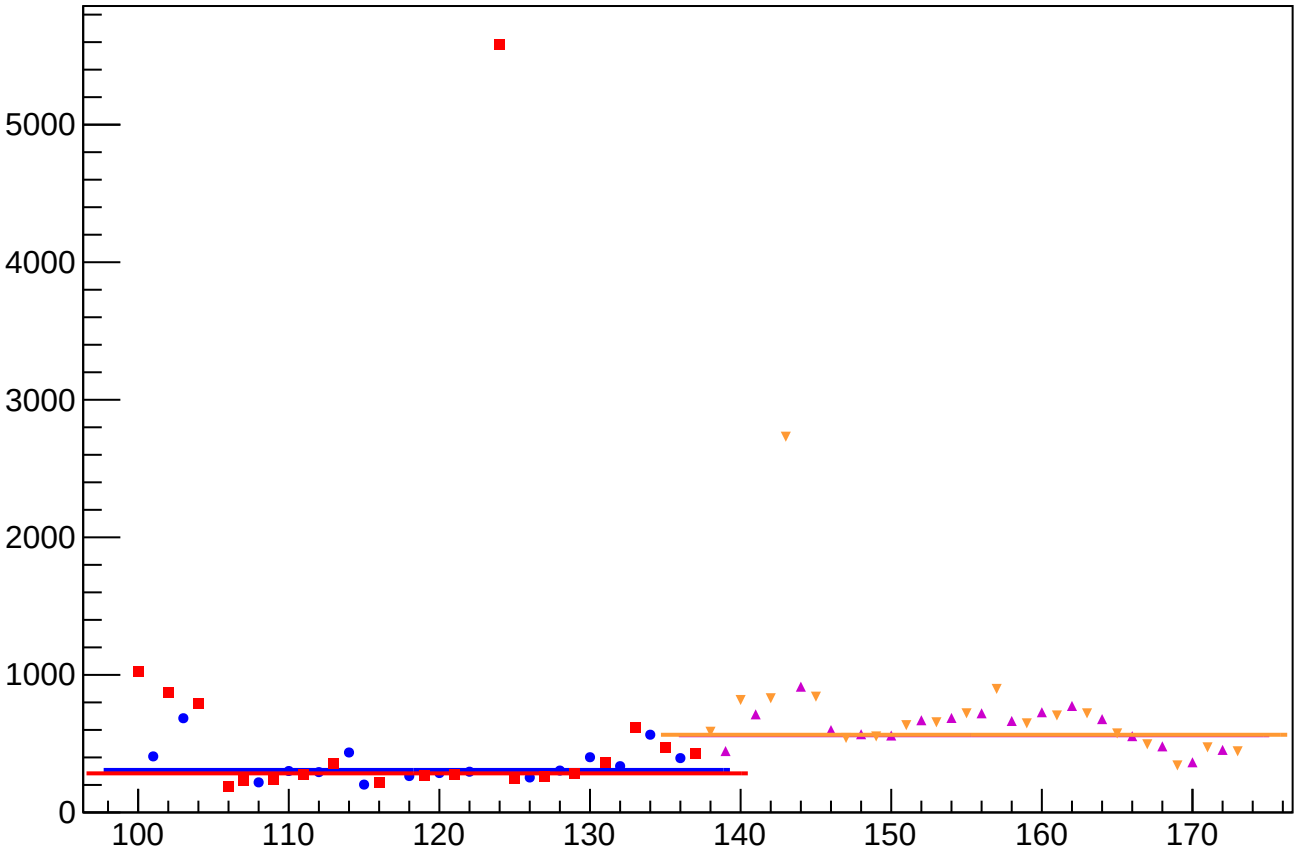
Left: -0.117+/-0.110 χ^2/NDF: 49.3/35

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.117+/-0.096 χ^2/NDF:34.9/32

Out: 0.060+/-0.093 χ^2/NDF:51.3/37

All: -0.026+/-0.067 χ^2/NDF: 87.9/70



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 564.770+/-0.109 χ^2/NDF:2847495.5/18

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 561.217+/-0.110 χ^2/NDF:1513840.8/16

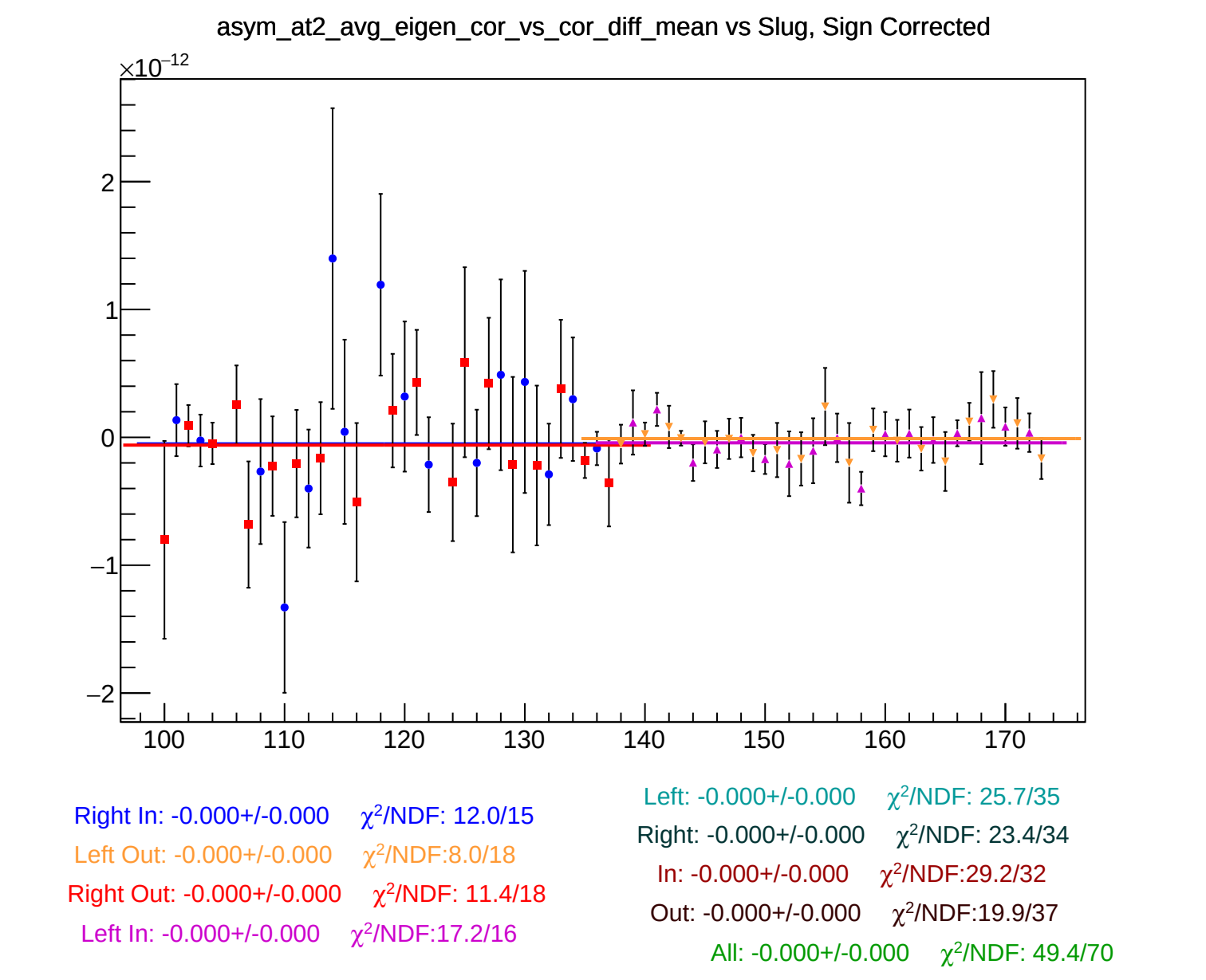
Left: 563.008+/-0.078 χ^2/NDF: 4361858.7/35

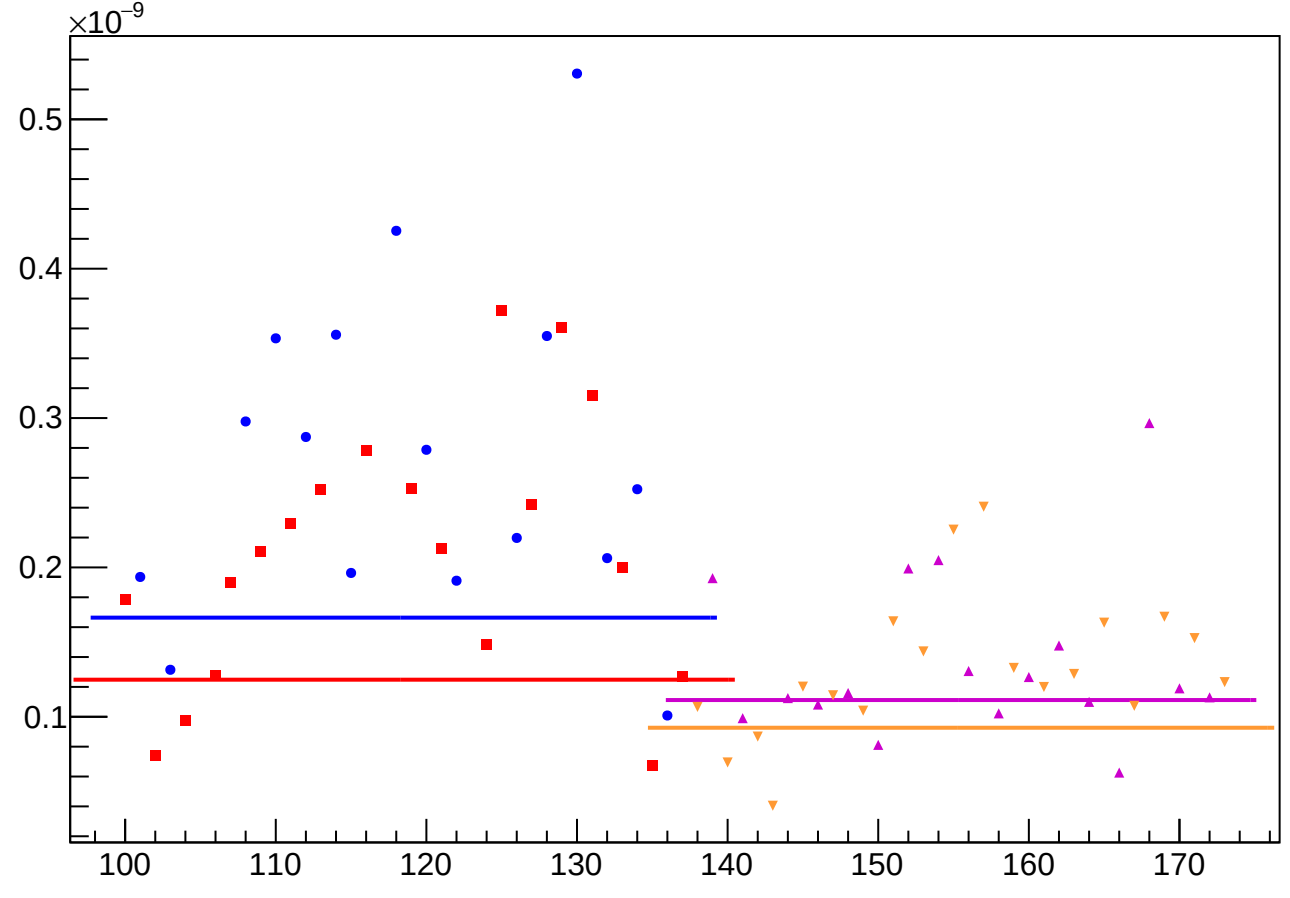
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 404.551+/-0.068 χ^2/NDF:5769542.2/32

Out: 386.081+/-0.066 χ^2/NDF:8887309.8/37

All: 395.046+/-0.047 χ^2/NDF: 14694900.1/70


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
170
Right In: -0.000+/-0.000 χ²/NDF: 12.0/15
Left Out: -0.000+/-0.000 χ²/NDF:8.0/18
Right Out: -0.000+/-0.000 χ²/NDF: 11.4/18
Left In: -0.000+/-0.000 χ²/NDF:17.2/16
Left: -0.000+/-0.000 χ²/NDF: 25.7/35
Right: -0.000+/-0.000 χ²/NDF: 23.4/34
In: -0.000+/-0.000 χ²/NDF:29.2/32
Out: -0.000+/-0.000 χ²/NDF:19.9/37
All: -0.000+/-0.000 χ²/NDF: 49.4/70



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4025853.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1991709.3/16

Left: 0.000+/-0.000 χ^2/NDF: 6292787.8/35

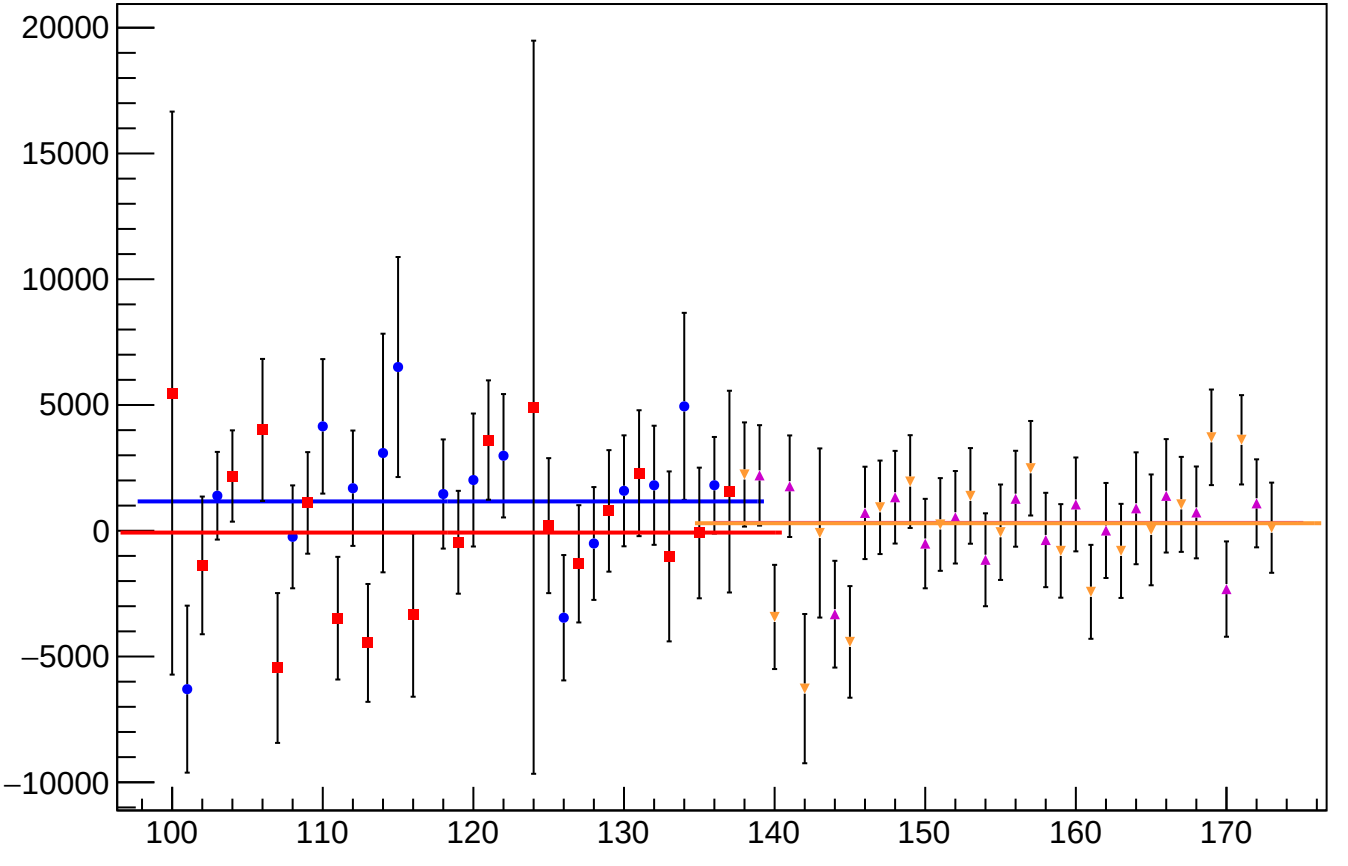
Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

In: 0.000+/-0.000 χ^2/NDF:4685222.8/32

Out: 0.000+/-0.000 χ^2/NDF:6582899.4/37

All: 0.000+/-0.000 χ^2/NDF: 11743408.9/70

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: 299.955+/-454.548 χ^2/NDF:25.9/18

Right Out: -72.181+/-603.362 χ^2/NDF: 18.3/18

Left In: 311.520+/-463.993 χ^2/NDF:8.6/16

Left: 305.619+/-324.702 χ^2/NDF: 34.5/35

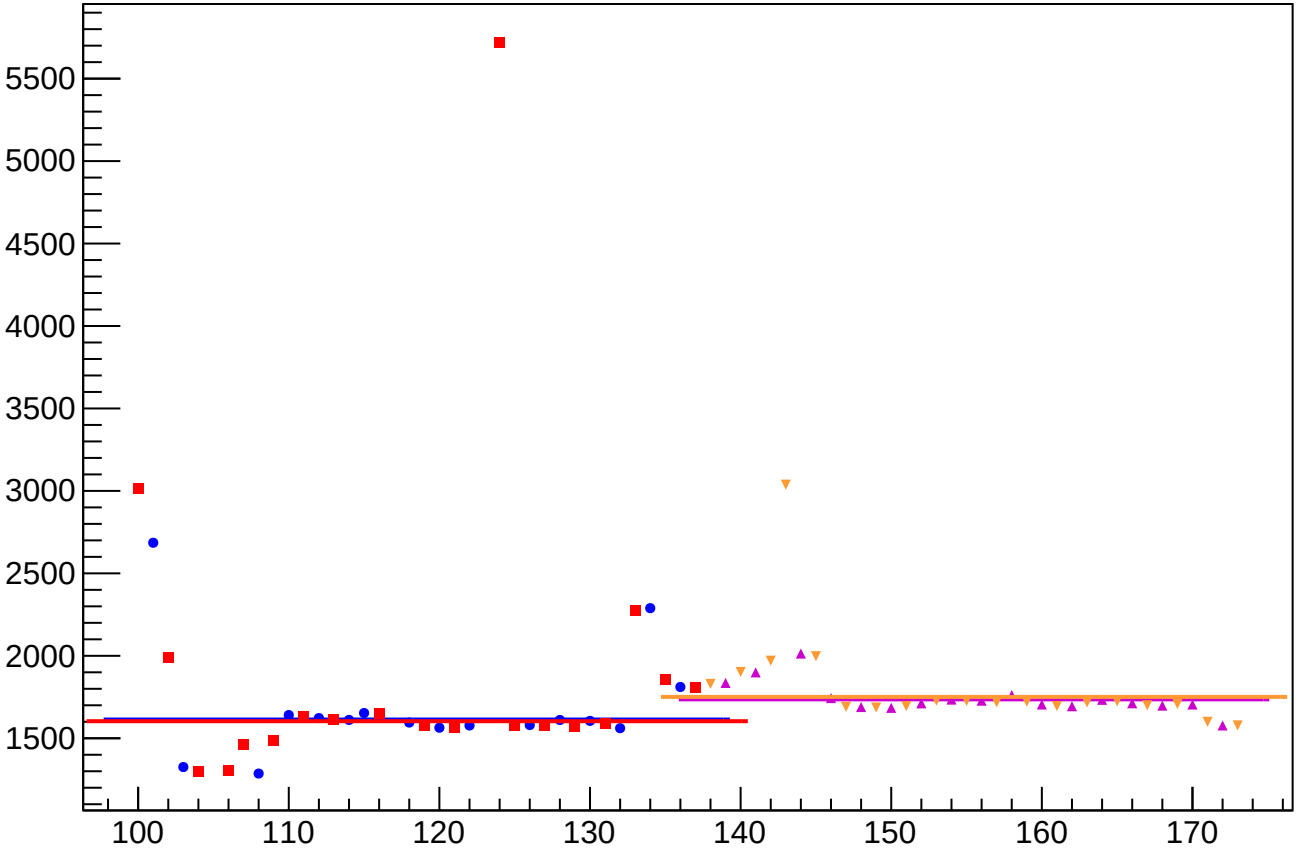
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 625.559+/-369.115 χ^2/NDF:24.3/32

Out: 165.219+/-363.052 χ^2/NDF:44.5/37

All: 391.577+/-258.833 χ^2/NDF: 69.5/70

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1750.858+/-0.321 χ^2/NDF:388531.7/18

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1735.839+/-0.328 χ^2/NDF:75612.1/16

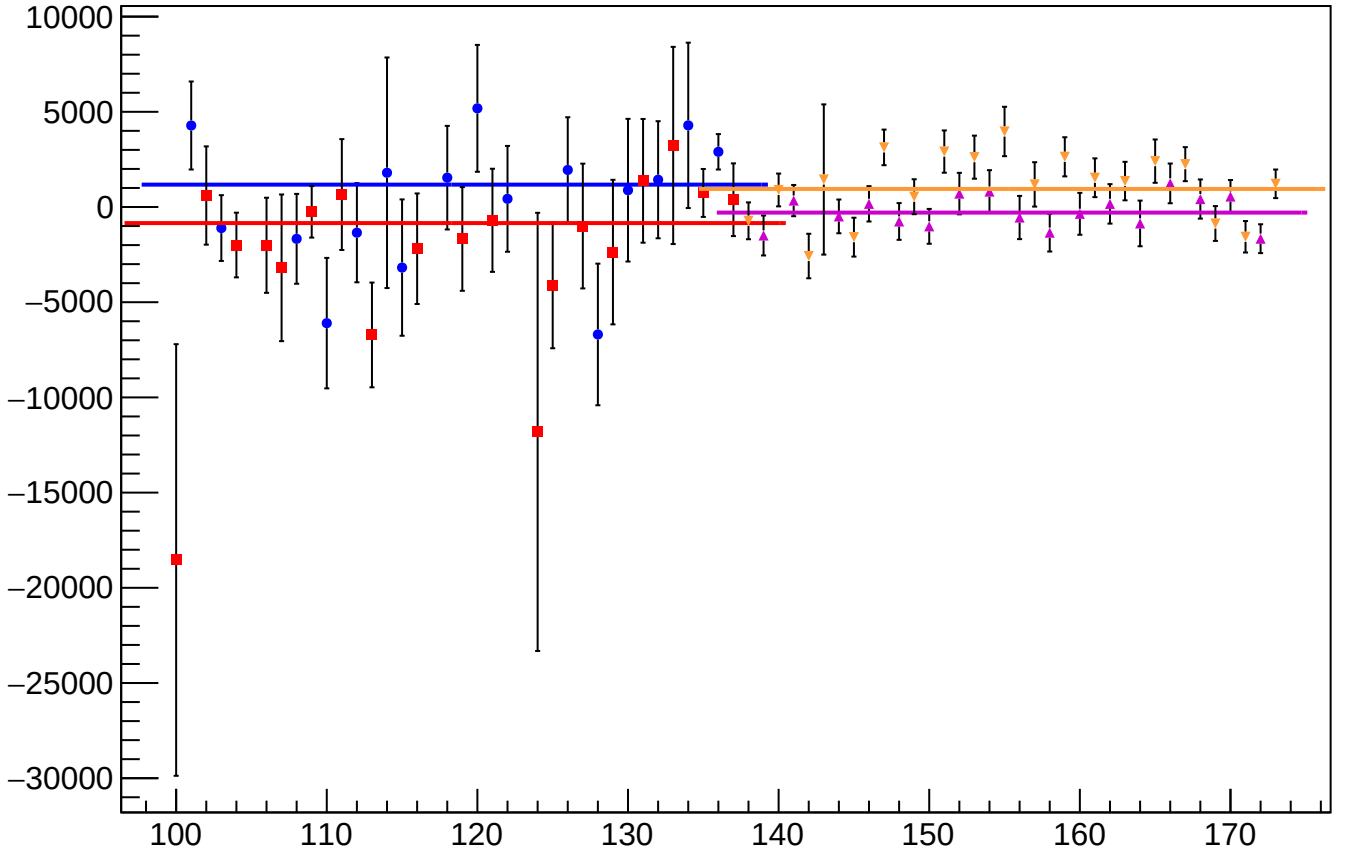
Left: 1743.503+/-0.230 χ^2/NDF: 465213.1/35

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1690.986+/-0.261 χ^2/NDF:531204.5/32

Out: 1697.492+/-0.257 χ^2/NDF:890465.6/37

All: 1694.293+/-0.183 χ^2/NDF: 1421985.9/70



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 948.633+/-230.773 χ^2/NDF:54.9/18

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -293.211+/-236.306 χ^2/NDF:13.3/16

Left: 342.421+/-165.103 χ^2/NDF: 82.4/35

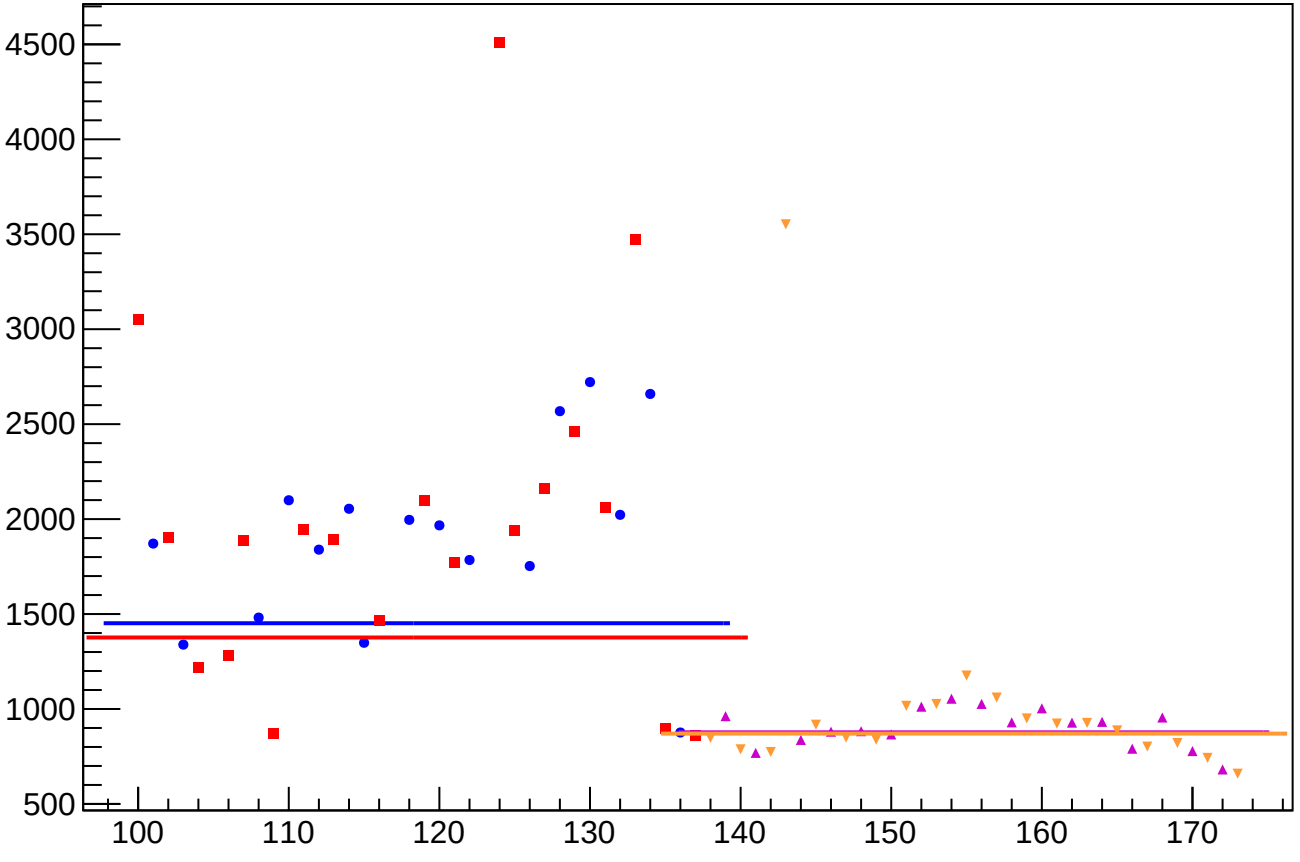
Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: -83.542+/-218.790 χ^2/NDF:40.8/32

Out: 686.373+/-213.223 χ^2/NDF:78.0/37

All: 311.333+/-152.702 χ^2/NDF: 125.2/70

asym_at2_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 870.306+/-0.163 χ^2/NDF:1449792.2/18

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 877.123+/-0.167 χ^2/NDF:392771.8/16

Left: 873.634+/-0.117 χ^2/NDF: 1843416.0/35

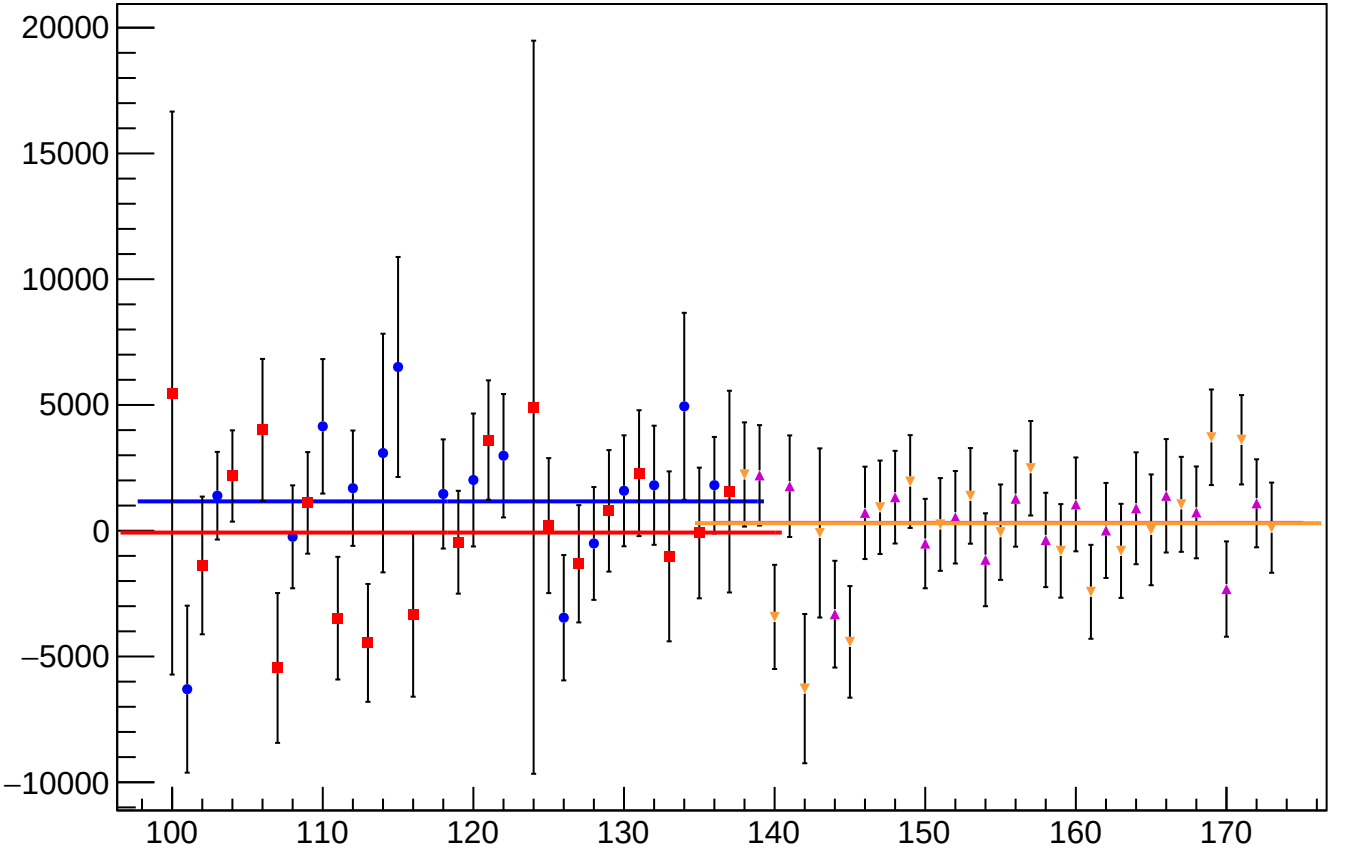
Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 959.139+/-0.155 χ^2/NDF:3871230.9/32

Out: 944.363+/-0.151 χ^2/NDF:4989569.7/37

All: 951.561+/-0.108 χ^2/NDF: 8865479.2/70

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 299.838+/-454.548 χ^2/NDF:25.9/18

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 311.434+/-463.993 χ^2/NDF:8.6/16

Left: 305.517+/-324.702 χ^2/NDF: 34.5/35

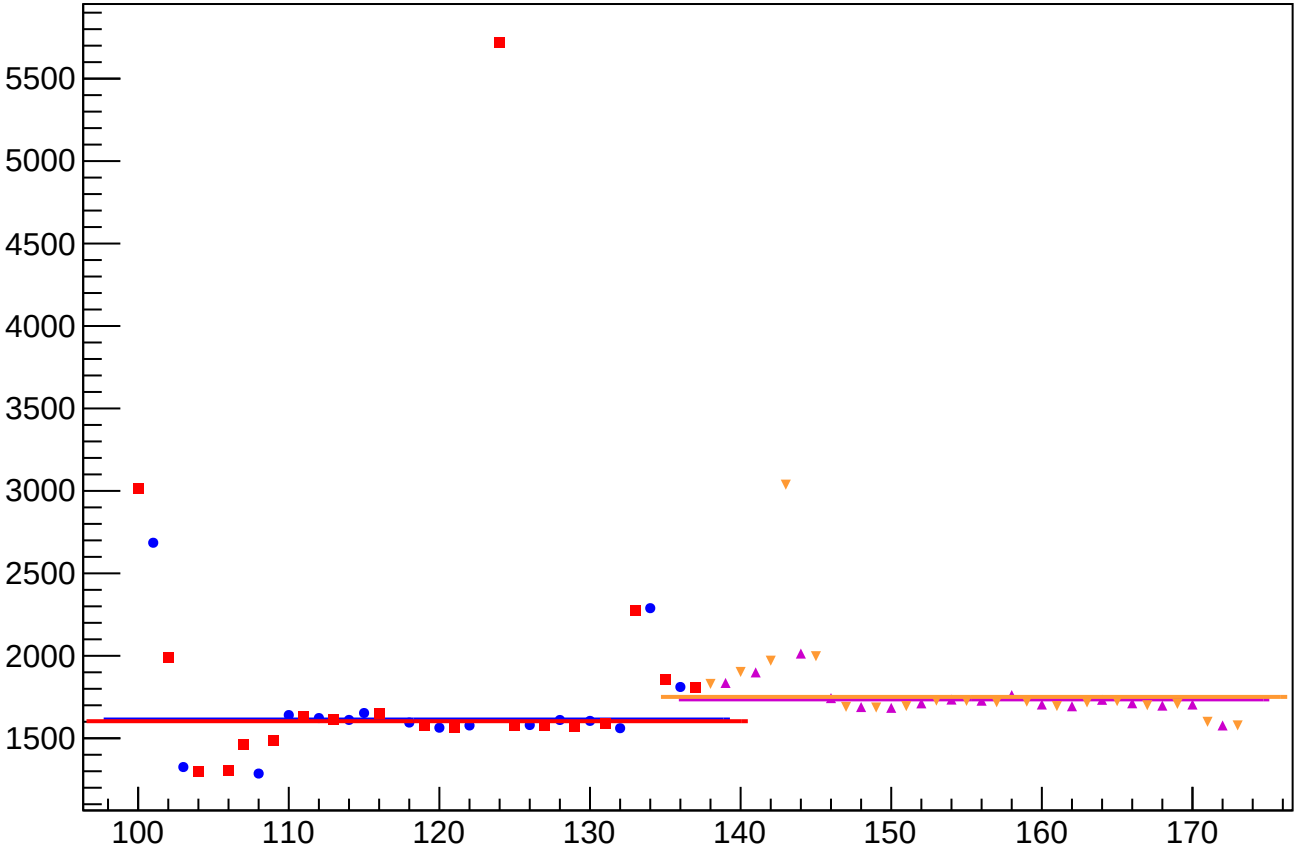
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 625.471+/-369.115 χ^2/NDF:24.3/32

Out: 165.029+/-363.052 χ^2/NDF:44.5/37

All: 391.437+/-258.833 χ^2/NDF: 69.5/70

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1750.858+/-0.321 χ^2/NDF:388531.7/18

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1735.839+/-0.328 χ^2/NDF:75612.1/16

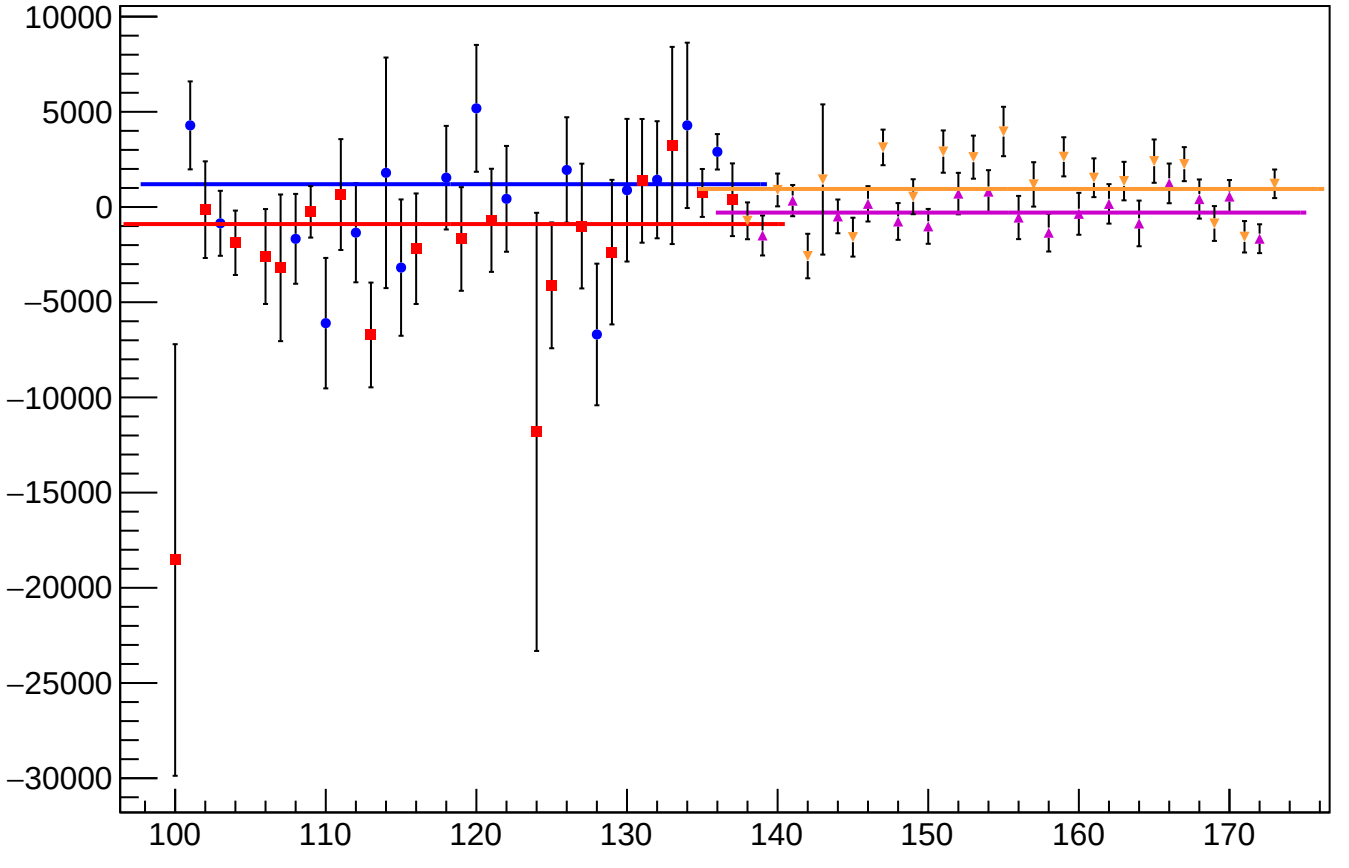
Left: 1743.503+/-0.230 χ^2/NDF: 465213.1/35

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1690.986+/-0.261 χ^2/NDF:531204.8/32

Out: 1697.492+/-0.257 χ^2/NDF:890465.7/37

All: 1694.293+/-0.183 χ^2/NDF: 1421986.4/70



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 948.675+/-230.775 χ^2/NDF:54.9/18

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -293.161+/-236.306 χ^2/NDF:13.3/16

Left: 342.459+/-165.103 χ^2/NDF: 82.4/35

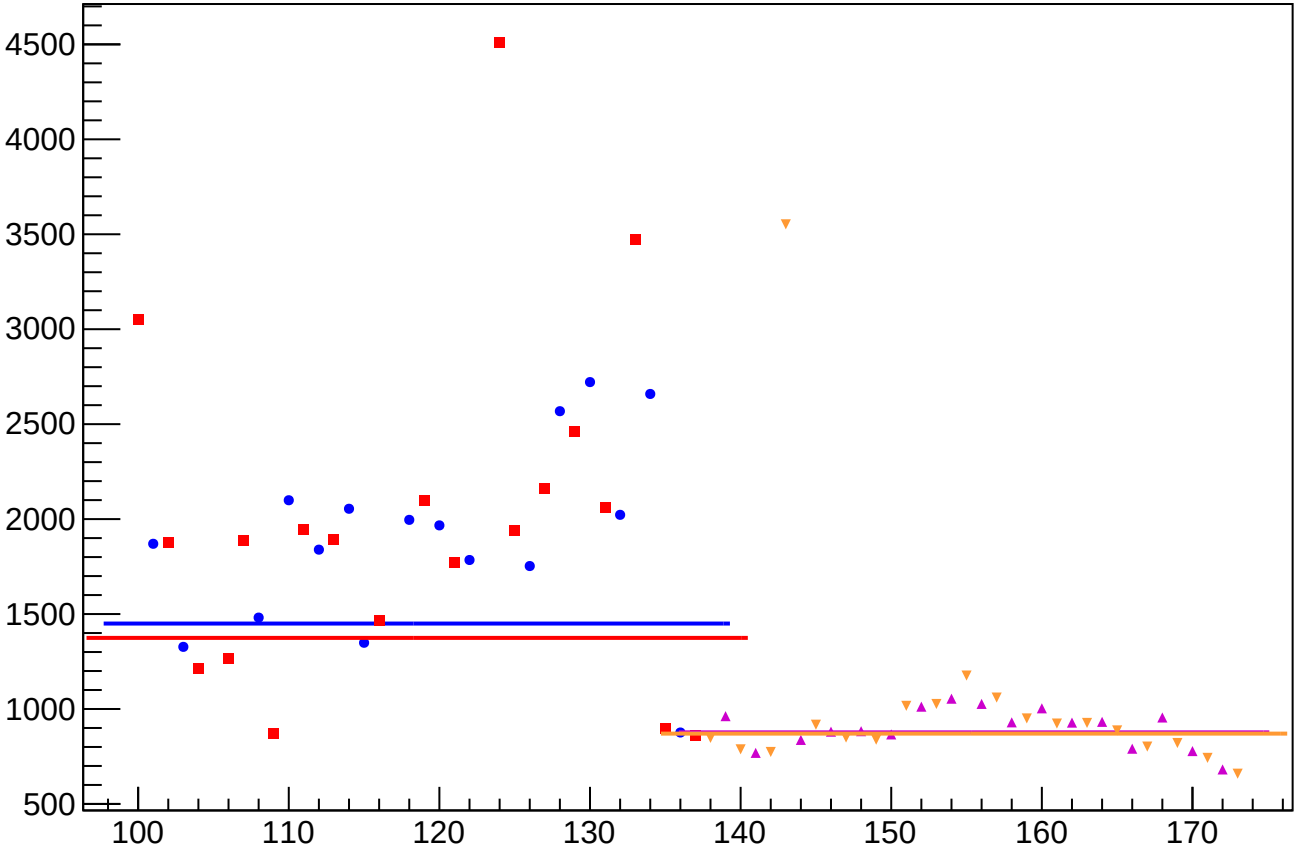
Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -79.718+/-218.745 χ^2/NDF:40.7/32

Out: 678.214+/-213.182 χ^2/NDF:78.5/37

All: 309.008+/-152.671 χ^2/NDF: 125.4/70

asym_at2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 870.316+/-0.163 χ^2/NDF:1449722.8/18

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 877.121+/-0.167 χ^2/NDF:392816.2/16

Left: 873.638+/-0.117 χ^2/NDF: 1843387.8/35

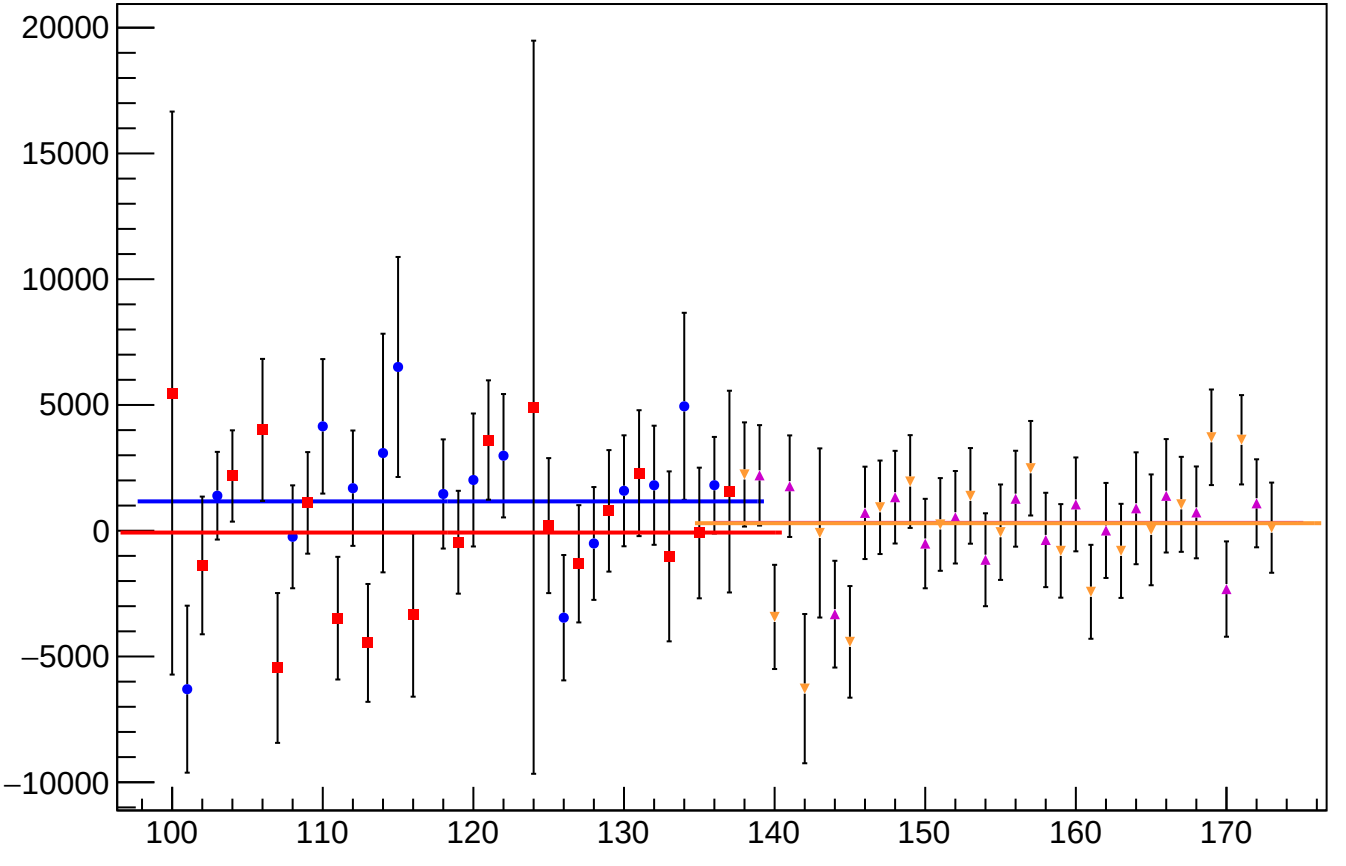
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 959.095+/-0.155 χ^2/NDF:3867283.6/32

Out: 944.251+/-0.151 χ^2/NDF:4977109.6/37

All: 951.482+/-0.108 χ^2/NDF: 8849116.7/70

eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 299.838+/-454.548 χ^2/NDF:25.9/18

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 311.434+/-463.993 χ^2/NDF:8.6/16

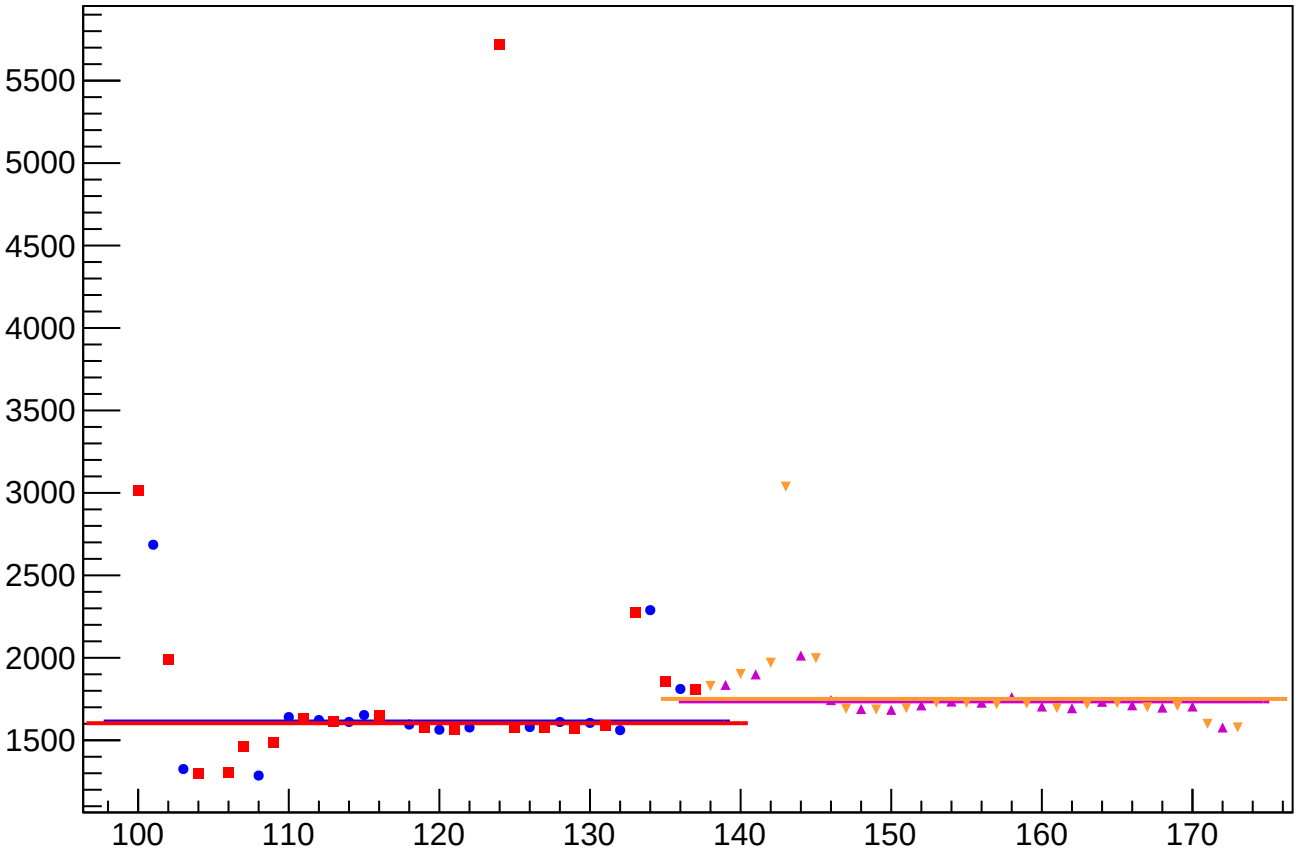
Left: 305.517+/-324.702 χ^2/NDF: 34.5/35

Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 625.471+/-369.115 χ^2/NDF:24.3/32

Out: 165.029+/-363.052 χ^2/NDF:44.5/37

All: 391.437+/-258.833 χ^2/NDF: 69.5/70



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1750.858+/-0.321 χ^2/NDF:388531.7/18

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1735.839+/-0.328 χ^2/NDF:75612.1/16

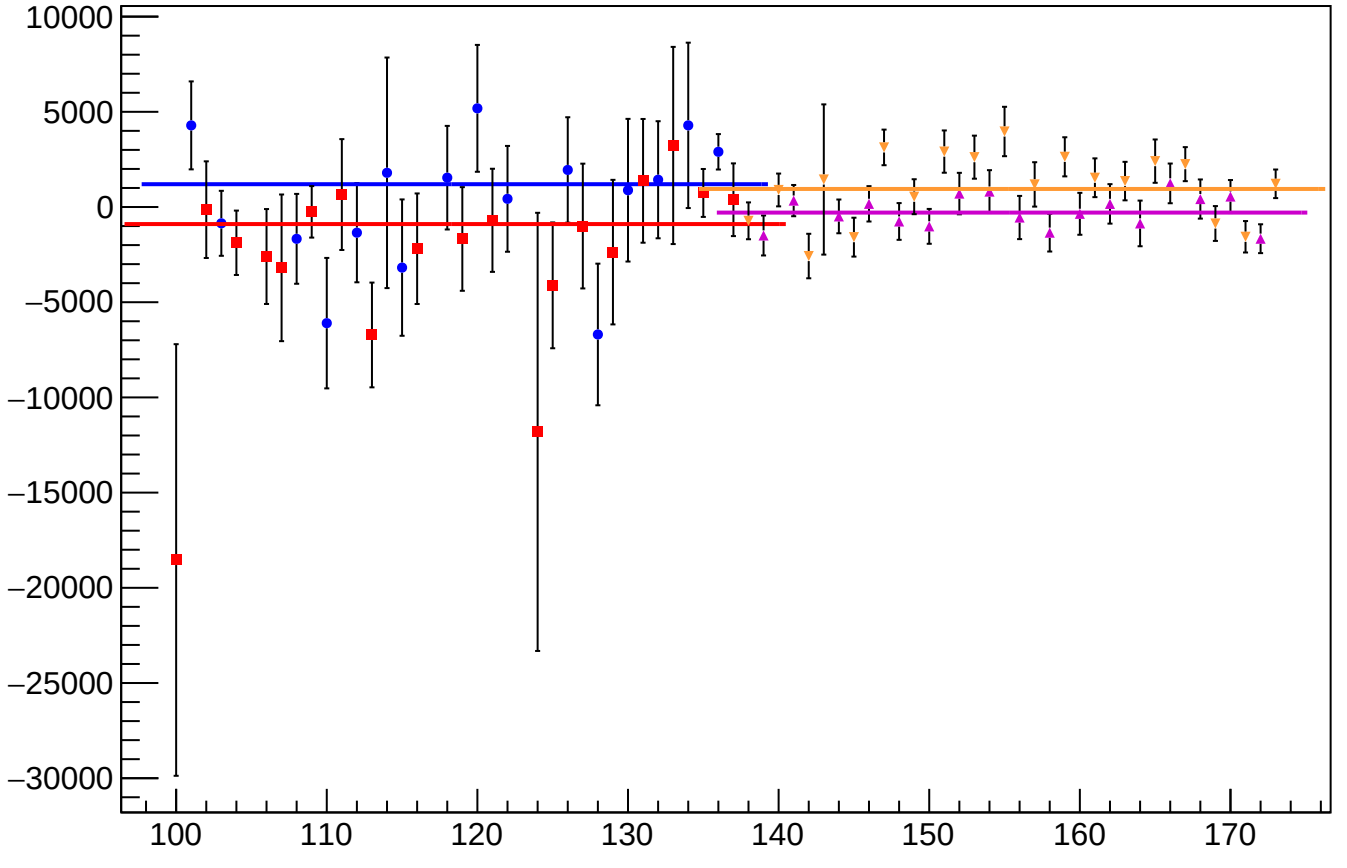
Left: 1743.503+/-0.230 χ^2/NDF: 465213.1/35

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1690.986+/-0.261 χ^2/NDF:531204.8/32

Out: 1697.492+/-0.257 χ^2/NDF:890465.7/37

All: 1694.293+/-0.183 χ^2/NDF: 1421986.4/70



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 948.675+/-230.775 χ^2/NDF:54.9/18

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -293.161+/-236.306 χ^2/NDF:13.3/16

Left: 342.459+/-165.103 χ^2/NDF: 82.4/35

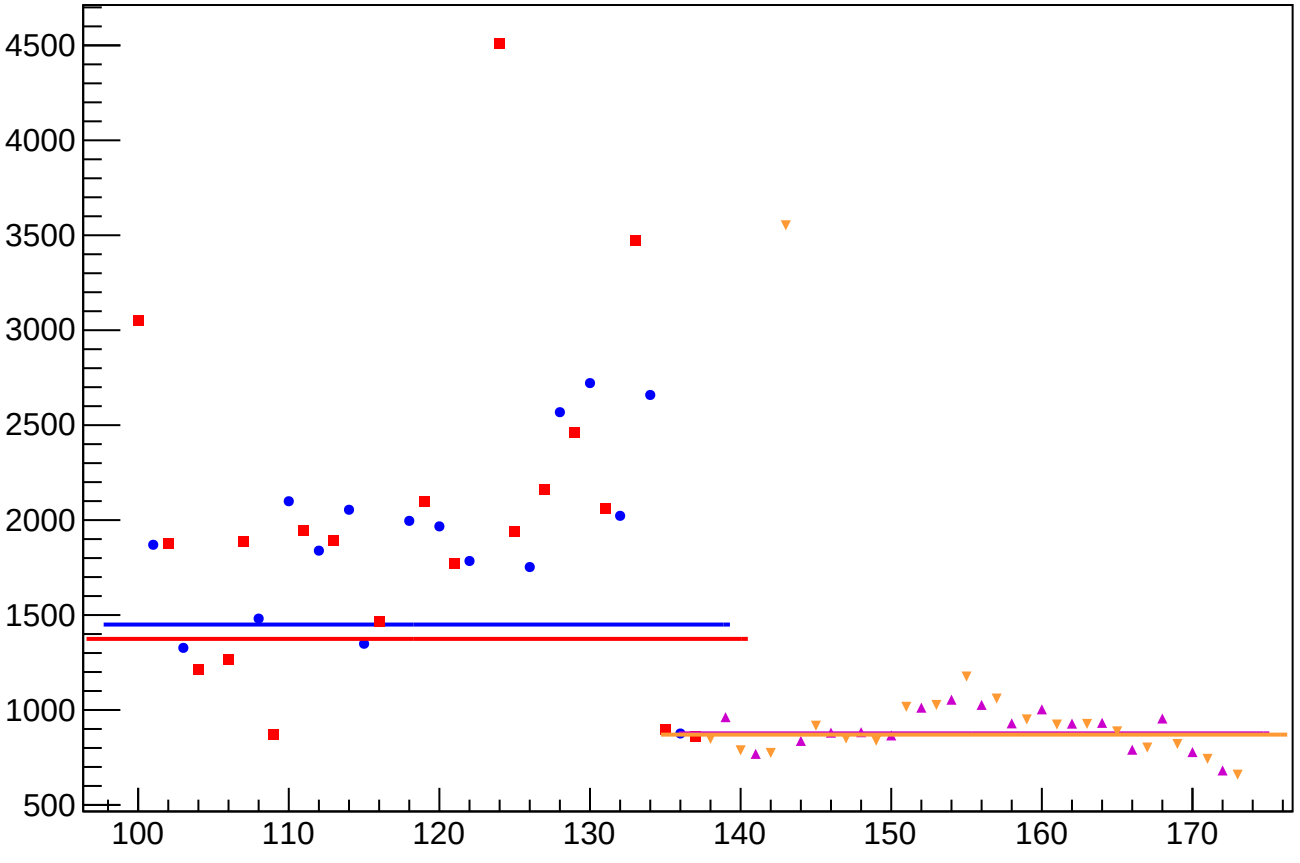
Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -79.718+/-218.745 χ^2/NDF:40.7/32

Out: 678.214+/-213.182 χ^2/NDF:78.5/37

All: 309.008+/-152.671 χ^2/NDF: 125.4/70

asym_at2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 870.316+/-0.163 χ^2/NDF:1449722.8/18

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 877.121+/-0.167 χ^2/NDF:392816.2/16

Left: 873.638+/-0.117 χ^2/NDF: 1843387.8/35

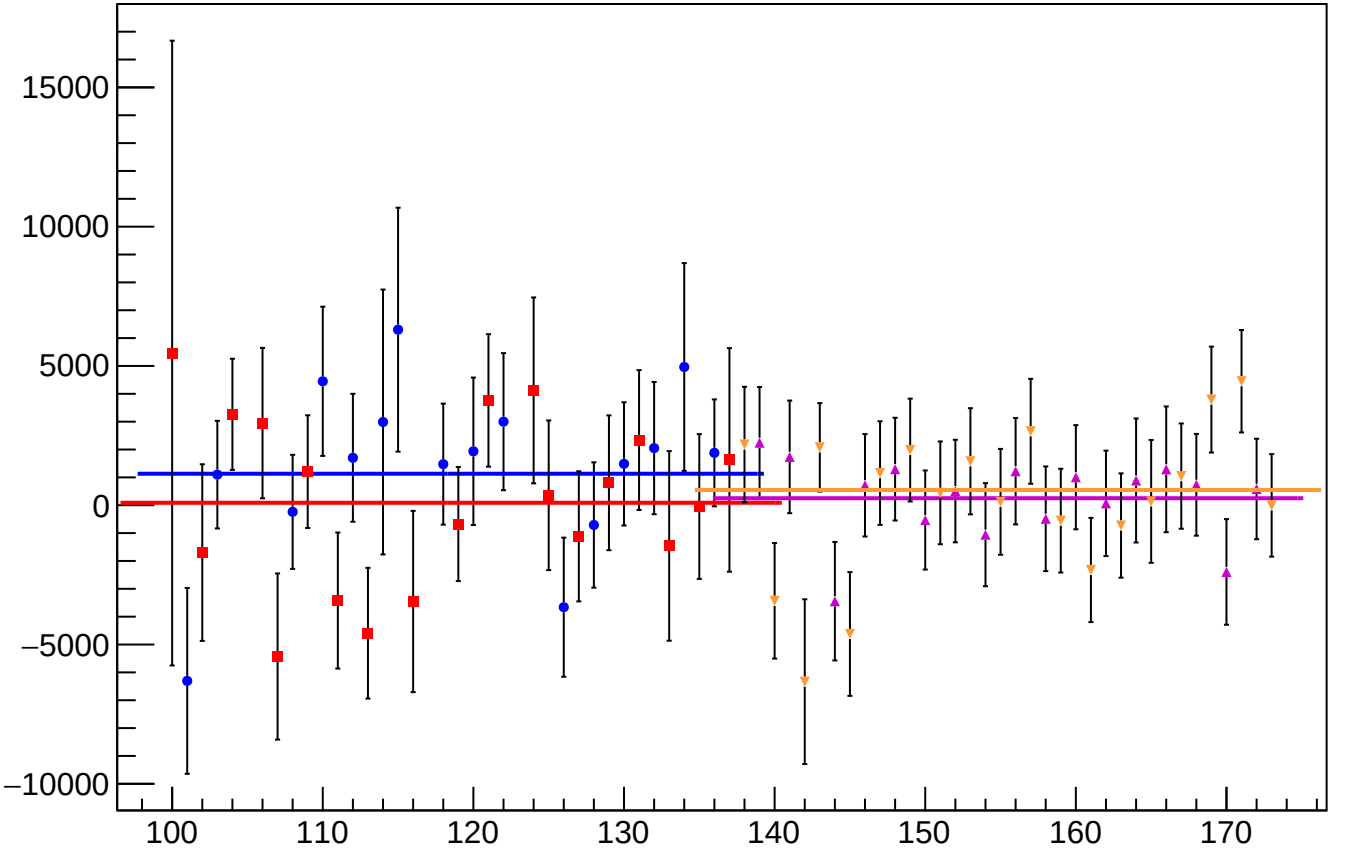
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 959.095+/-0.155 χ^2/NDF:3867283.6/32

Out: 944.251+/-0.151 χ^2/NDF:4977109.6/37

All: 951.482+/-0.108 χ^2/NDF: 8849116.7/70

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 547.336+/-442.722 χ^2/NDF:29.2/18

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 252.158+/-465.471 χ^2/NDF:8.6/16

Left: 407.136+/-320.793 χ^2/NDF: 37.9/35

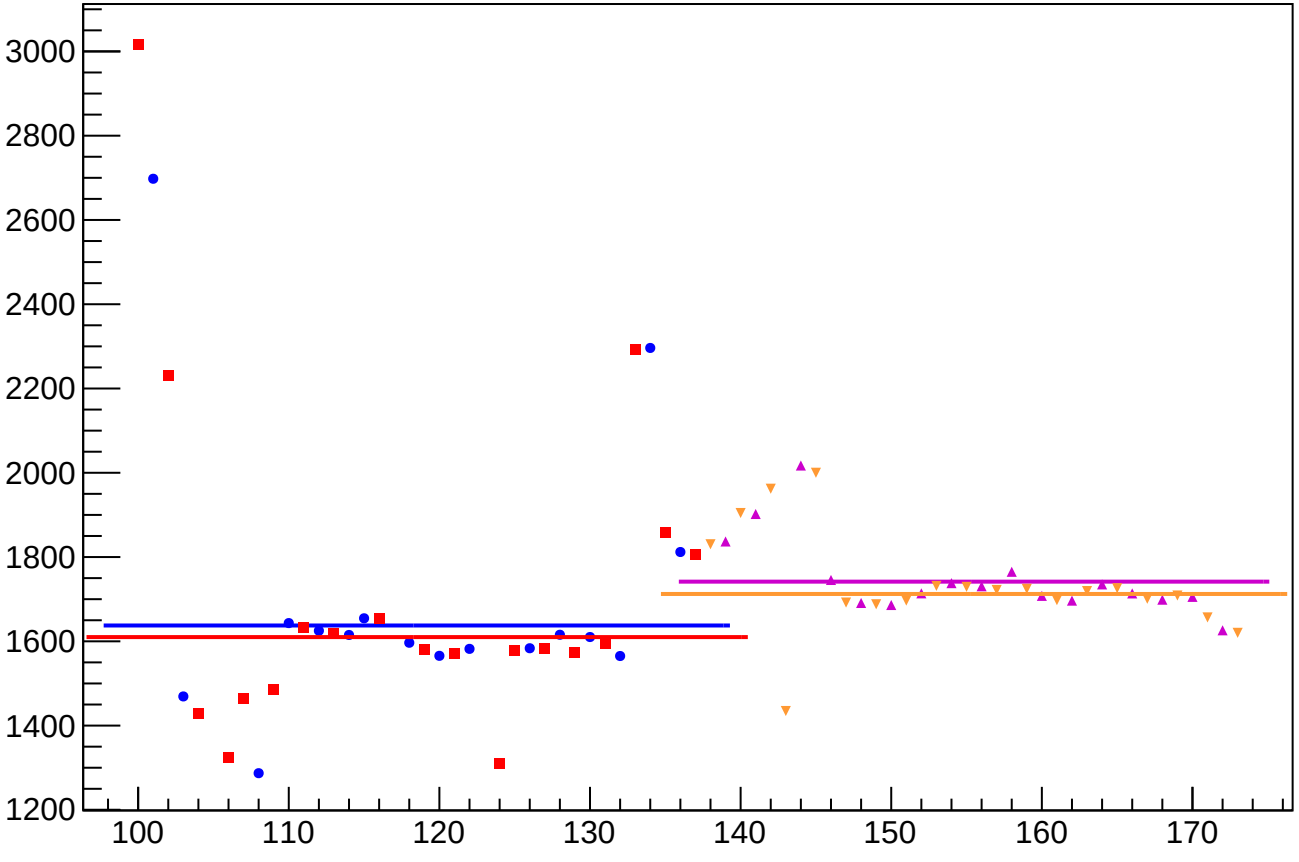
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 570.665+/-371.640 χ^2/NDF:24.9/32

Out: 386.907+/-356.881 χ^2/NDF:50.2/37

All: 475.065+/-257.413 χ^2/NDF: 75.2/70

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1712.387+/-0.313 χ^2/NDF:141037.4/18

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1741.626+/-0.329 χ^2/NDF:67199.1/16

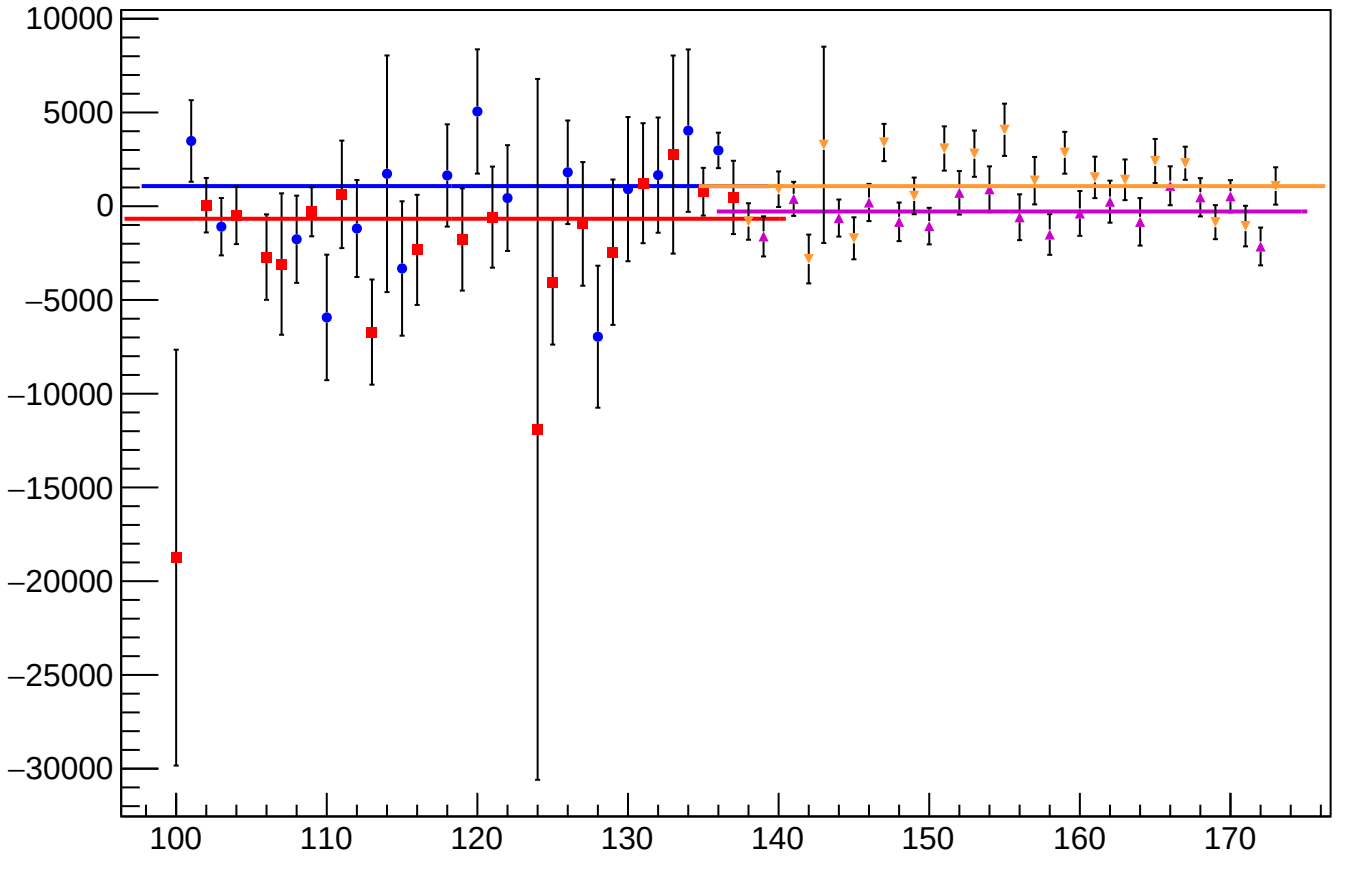
Left: 1726.274+/-0.227 χ^2/NDF: 212379.9/35

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1703.904+/-0.263 χ^2/NDF:464847.8/32

Out: 1676.546+/-0.252 χ^2/NDF:459277.9/37

All: 1689.671+/-0.182 χ^2/NDF: 929763.9/70



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 1071.189+/-252.270 χ^2/NDF:48.8/18

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -281.505+/-254.844 χ^2/NDF:13.4/16

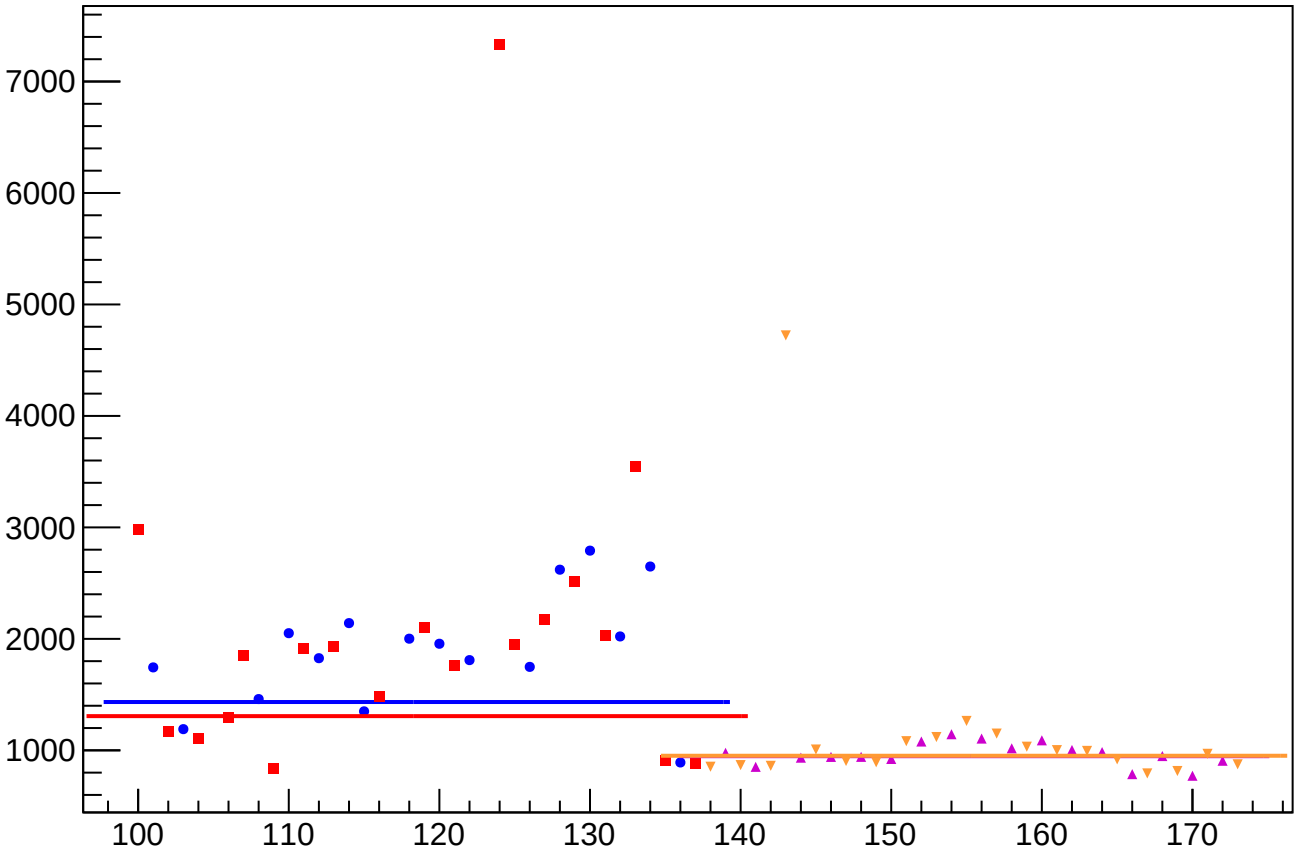
Left: 401.708+/-179.285 χ^2/NDF: 76.4/35

Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: -56.813+/-232.759 χ^2/NDF:40.1/32

Out: 743.447+/-227.257 χ^2/NDF:71.3/37

All: 352.886+/-162.606 χ^2/NDF: 117.5/70



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 951.425+/-0.178 χ^2/NDF:1453354.4/18

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

Left In: 947.316+/-0.180 χ^2/NDF:314833.8/16

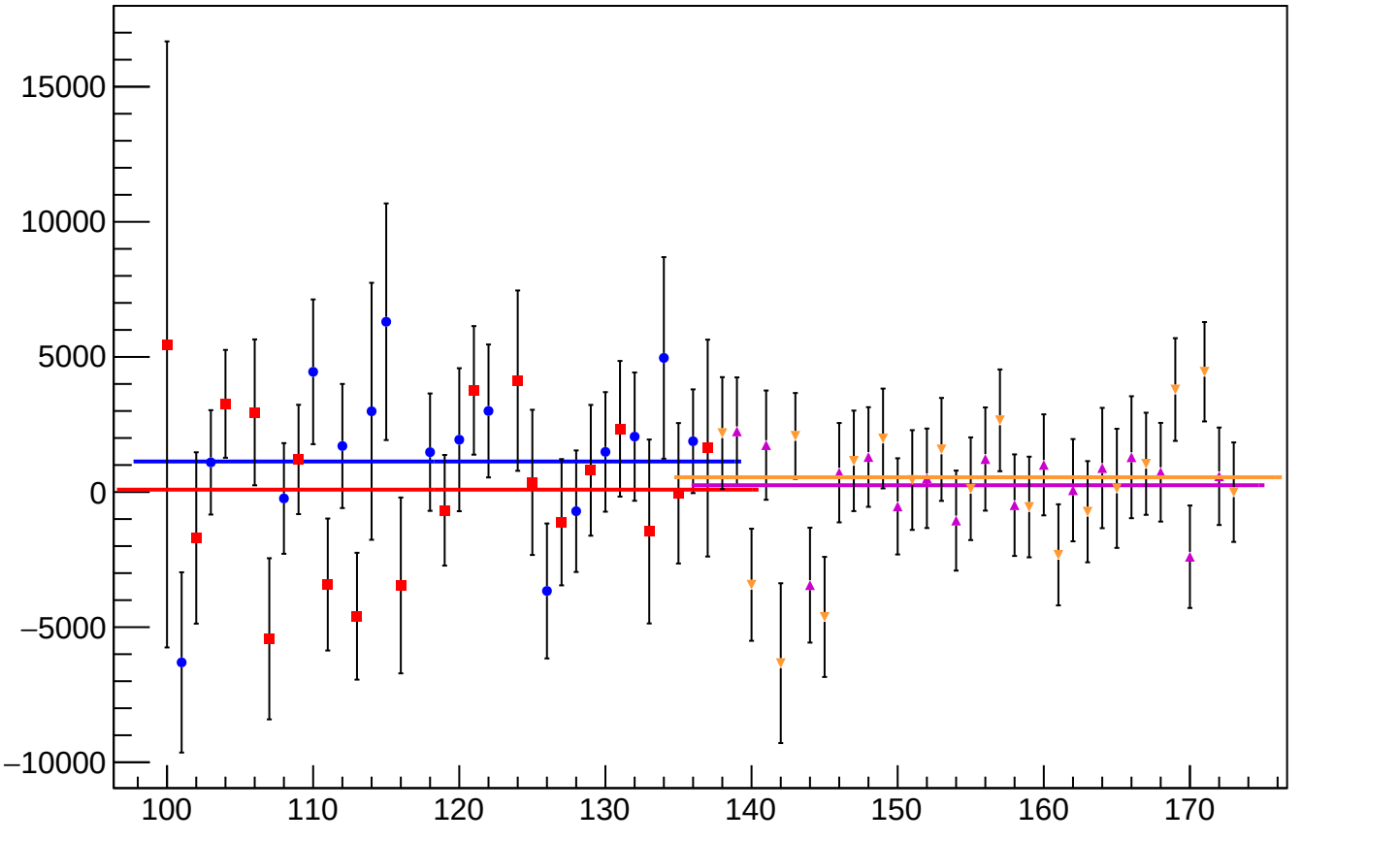
Left: 949.392+/-0.127 χ^2/NDF: 1768450.9/35

Right: 1364.618+/-0.273 χ^2/NDF: 4000764.0/34

In: 1027.927+/-0.165 χ^2/NDF:3285183.8/32

Out: 1018.415+/-0.161 χ^2/NDF:4385559.1/37

All: 1023.057+/-0.115 χ^2/NDF: 7672453.0/70



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 547.331+/-442.722 χ^2/NDF:29.2/18

Right Out: 89.225+/-603.072 χ^2/NDF: 20.7/18

Left In: 252.160+/-465.471 χ^2/NDF:8.6/16

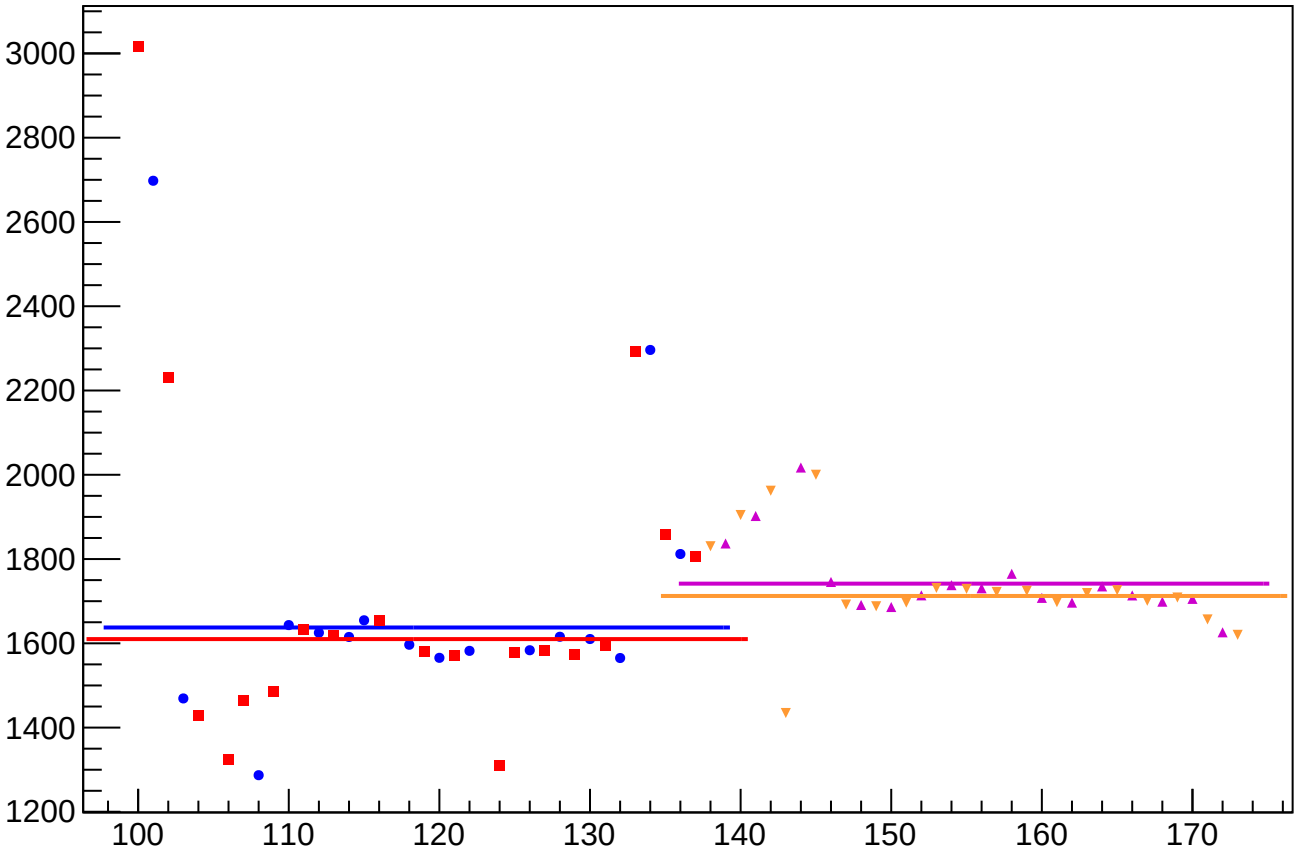
Left: 407.134+/-320.793 χ^2/NDF: 37.9/35

Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 570.666+/-371.640 χ^2/NDF:24.9/32

Out: 386.905+/-356.881 χ^2/NDF:50.2/37

All: 475.064+/-257.413 χ^2/NDF: 75.2/70



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1712.387+/-0.313 χ^2/NDF:141036.7/18

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1741.626+/-0.329 χ^2/NDF:67199.6/16

Left: 1726.274+/-0.227 χ^2/NDF: 212379.7/35

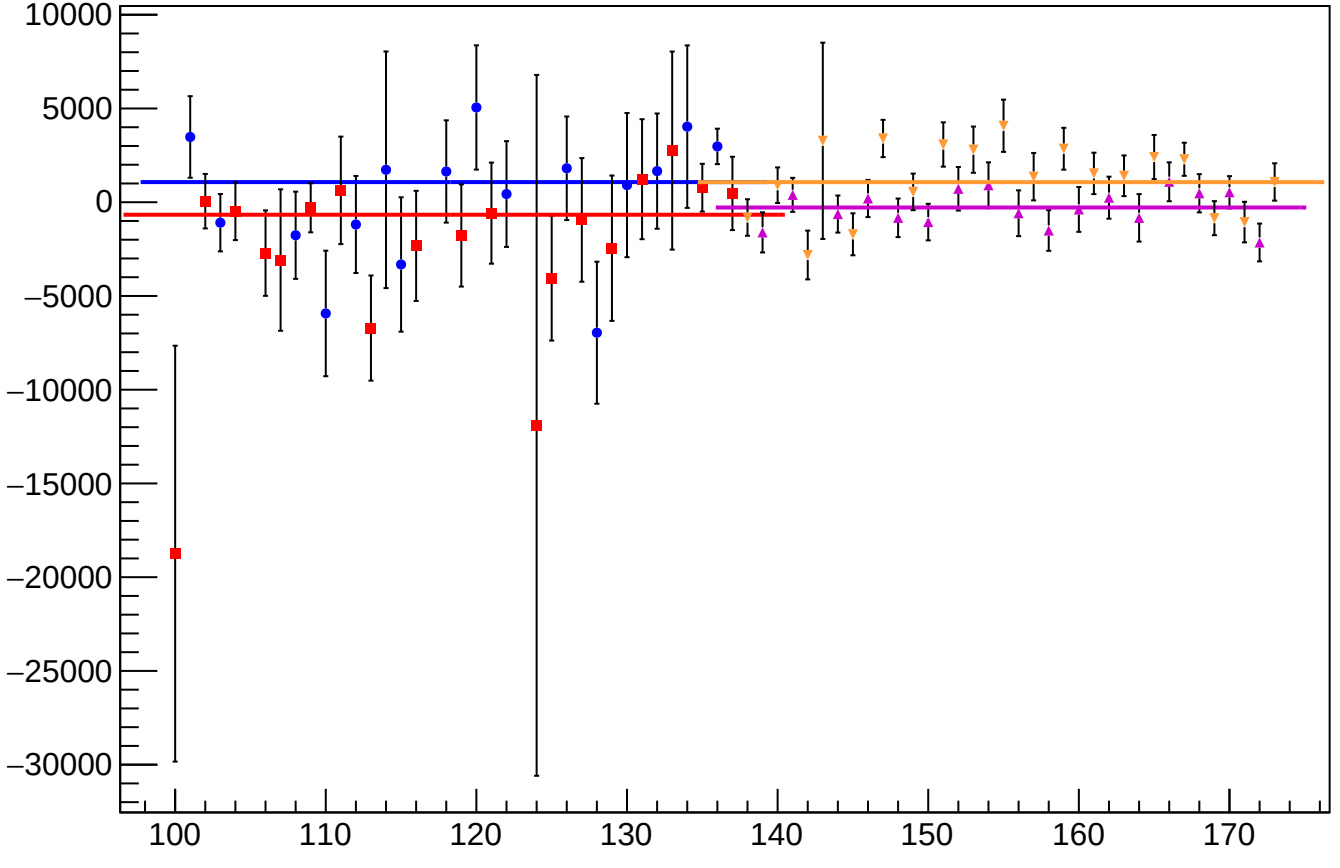
Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1703.904+/-0.263 χ^2/NDF:464848.0/32

Out: 1676.546+/-0.252 χ^2/NDF:459277.4/37

All: 1689.671+/-0.182 χ^2/NDF: 929763.7/70

asym_at2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 1071.195+/-252.270 χ^2/NDF:48.8/18

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -281.503+/-254.844 χ^2/NDF:13.4/16

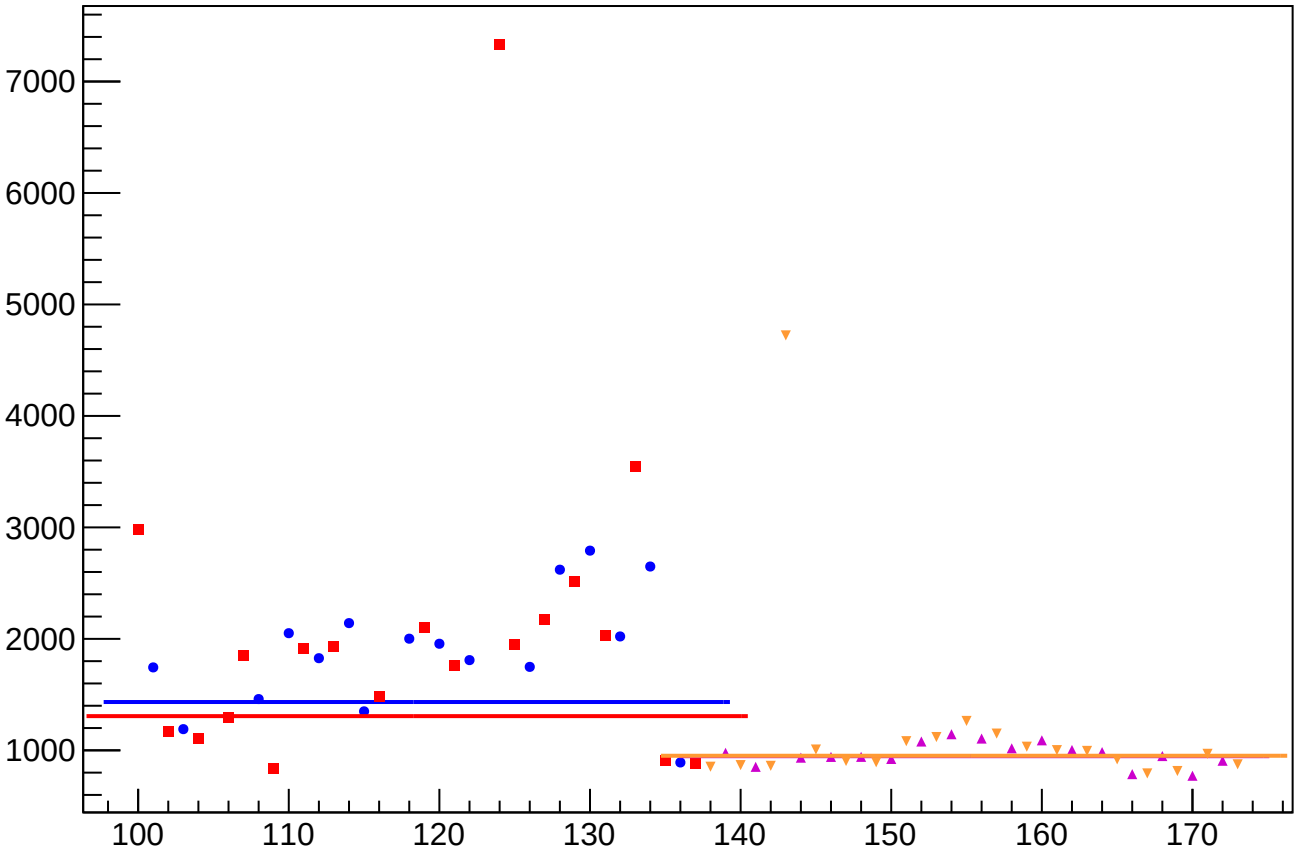
Left: 401.711+/-179.285 χ^2/NDF: 76.4/35

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

In: -56.815+/-232.759 χ^2/NDF:40.1/32

Out: 743.453+/-227.258 χ^2/NDF:71.3/37

All: 352.888+/-162.606 χ^2/NDF: 117.5/70



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 951.426+/-0.178 χ^2/NDF:1453340.2/18

Right Out: 1306.880+/-0.370 χ^2/NDF: 2183835.0/18

Left In: 947.315+/-0.180 χ^2/NDF:314838.2/16

Left: 949.392+/-0.127 χ^2/NDF: 1768441.3/35

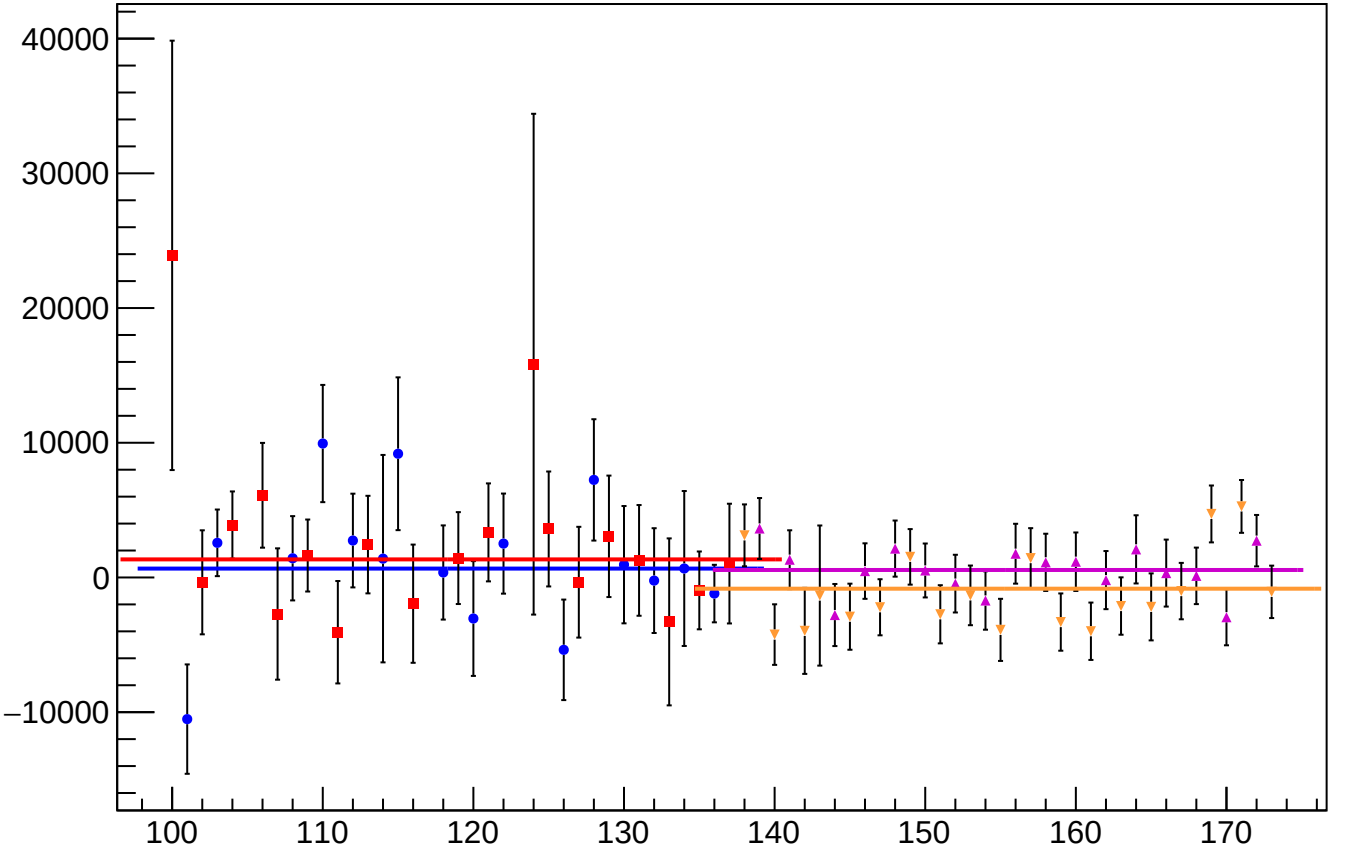
Right: 1364.632+/-0.273 χ^2/NDF: 4000599.5/34

In: 1027.928+/-0.165 χ^2/NDF:3285160.4/32

Out: 1018.418+/-0.161 χ^2/NDF:4385516.2/37

All: 1023.059+/-0.115 χ^2/NDF: 7672386.0/70

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -833.397+/-515.437 χ^2/NDF:33.2/18

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 555.722+/-524.066 χ^2/NDF:11.1/16

Left: -150.368+/-367.482 χ^2/NDF: 47.8/35

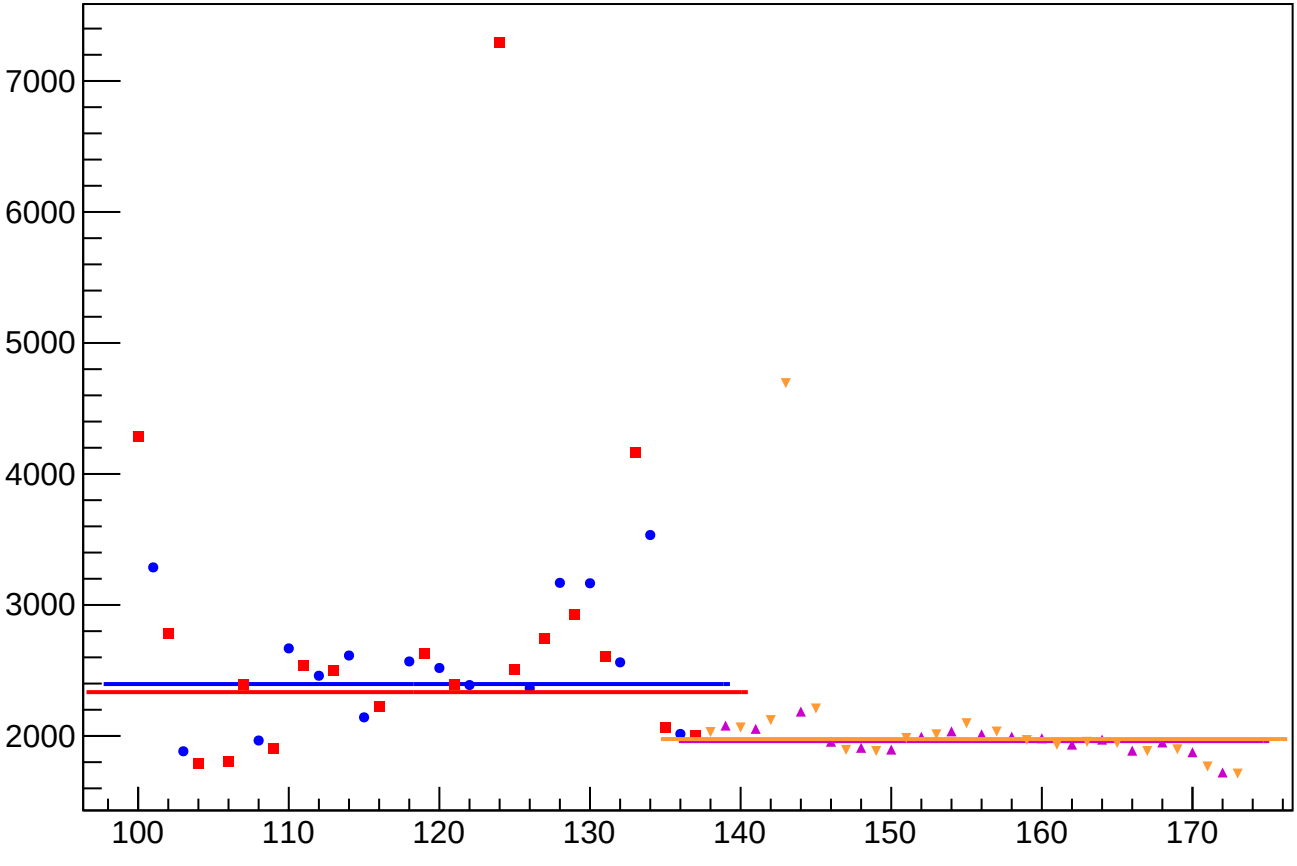
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 581.577+/-454.087 χ^2/NDF:33.1/32

Out: -287.545+/-446.107 χ^2/NDF:48.5/37

All: 139.313+/-318.229 χ^2/NDF: 83.4/70

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 1976.250+/-0.364 χ^2/NDF:654165.9/18

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 1960.504+/-0.371 χ^2/NDF:73091.9/16

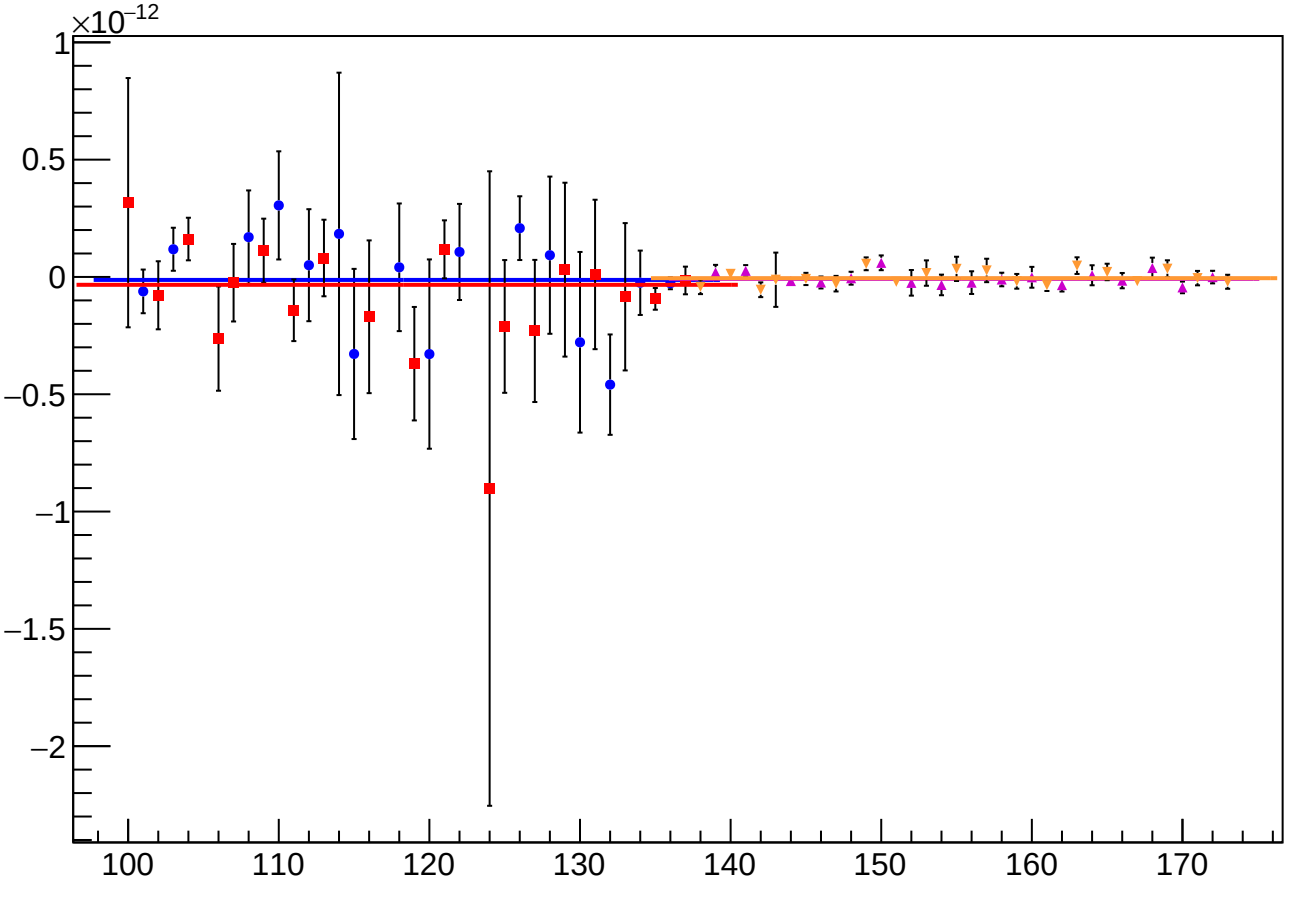
Left: 1968.508+/-0.260 χ^2/NDF: 728175.5/35

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2069.113+/-0.321 χ^2/NDF:925642.0/32

Out: 2066.167+/-0.315 χ^2/NDF:1578293.4/37

All: 2067.614+/-0.225 χ^2/NDF: 2503978.2/70



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.5/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.3/16

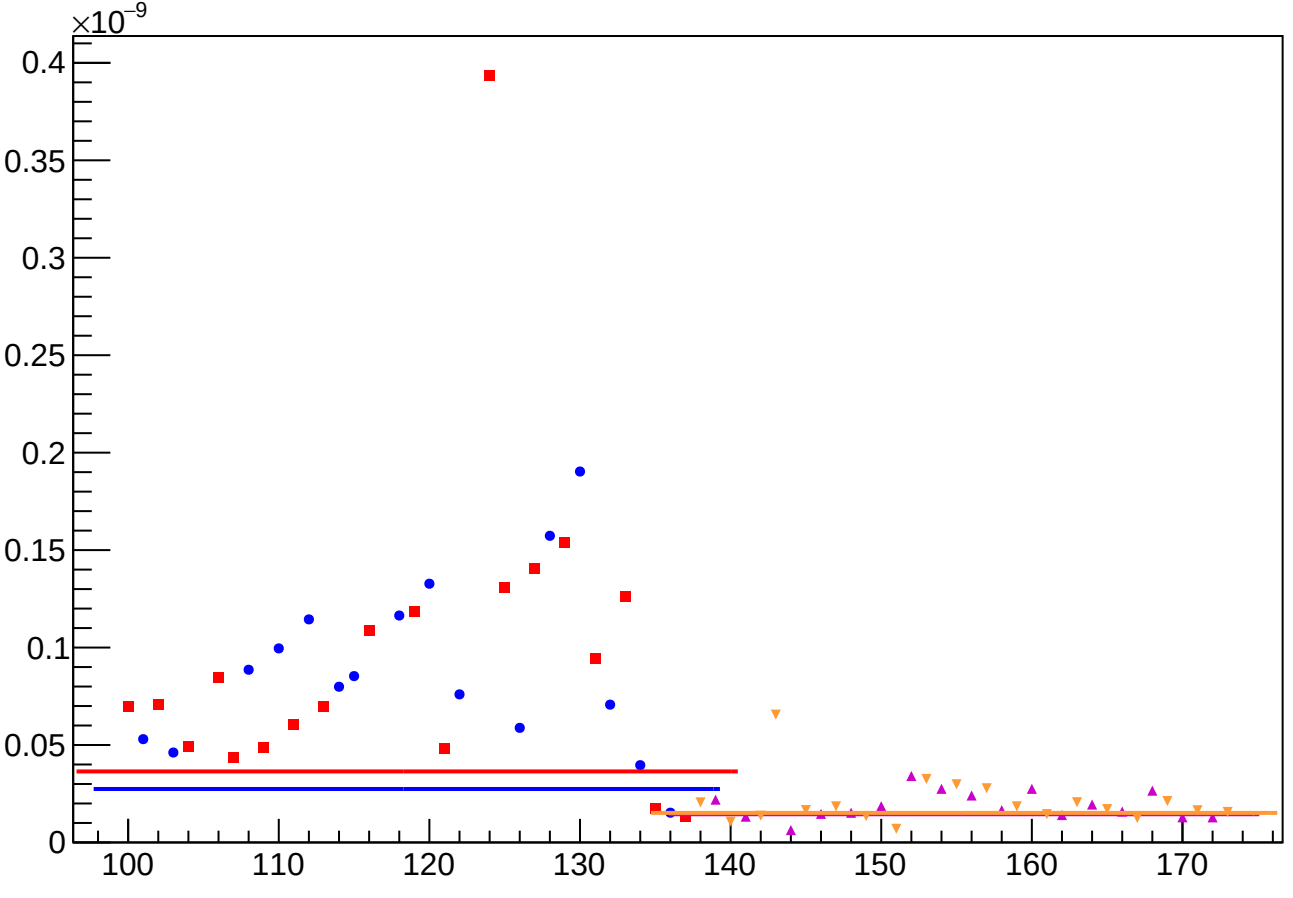
Left: -0.000+/-0.000 χ^2/NDF: 31.9/35

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:28.2/32

Out: -0.000+/-0.000 χ^2/NDF:34.7/37

All: -0.000+/-0.000 χ^2/NDF: 62.9/70



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1643084.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1737097.6/16

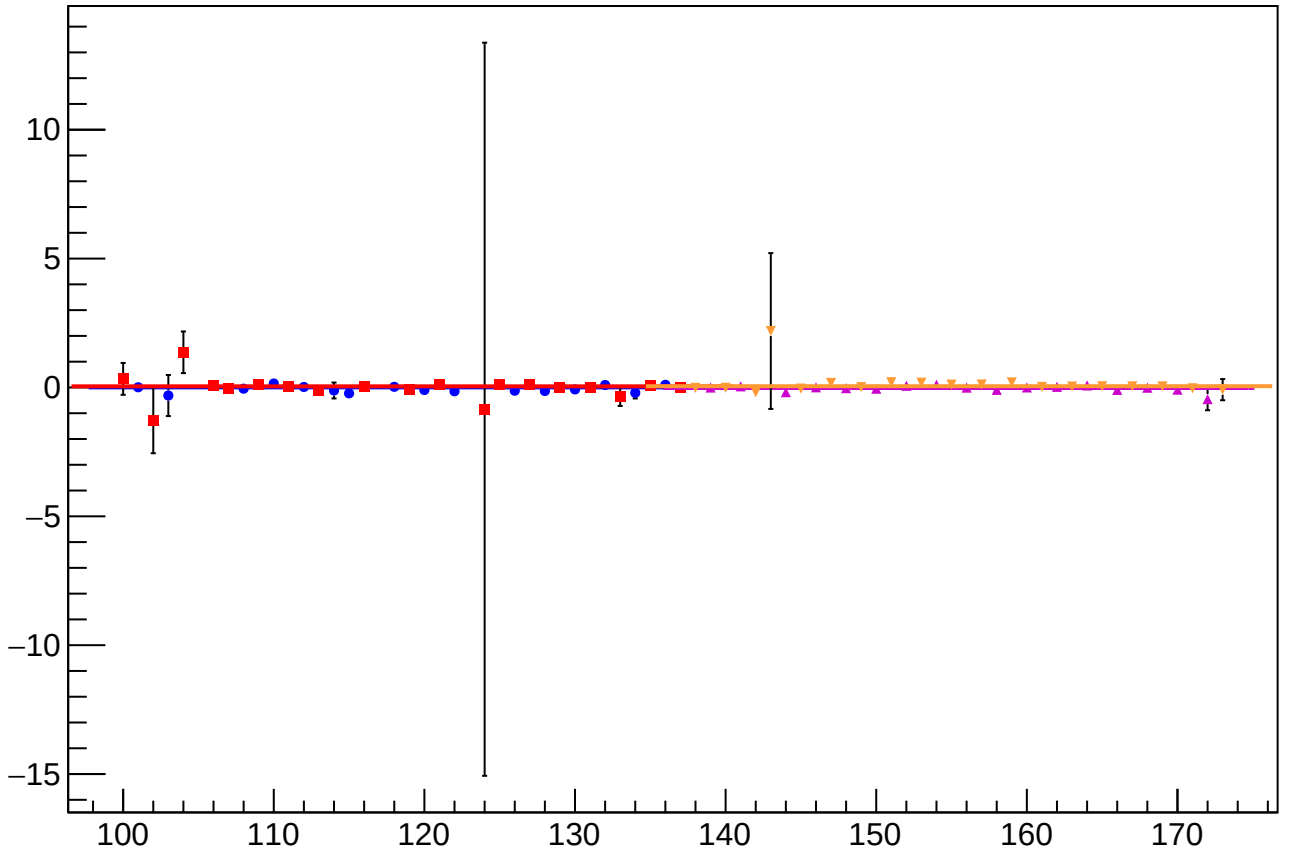
Left: 0.000+/-0.000 χ^2/NDF: 3391088.2/35

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:5088501.0/32

Out: 0.000+/-0.000 χ^2/NDF:5176252.0/37

All: 0.000+/-0.000 χ^2/NDF: 10277321.4/70



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:19.9/18

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:12.7/16

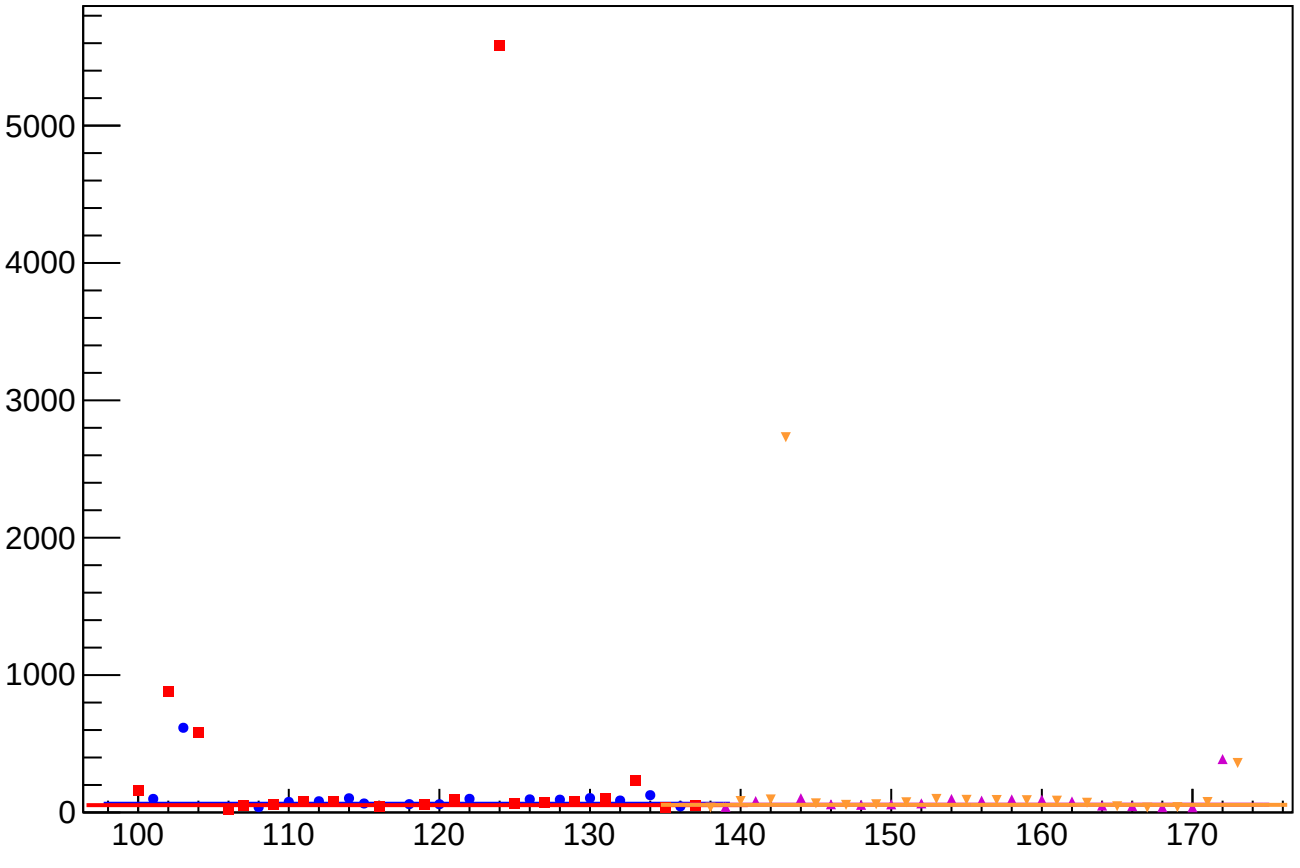
Left: 0.015+/-0.012 χ^2/NDF: 40.7/35

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:26.6/32

Out: 0.047+/-0.014 χ^2/NDF:32.6/37

All: 0.018+/-0.010 χ^2/NDF: 68.1/70



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 55.374+/-0.012 χ^2/NDF:5648384.5/18

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 56.500+/-0.012 χ^2/NDF:3835817.3/16

Left: 55.933+/-0.009 χ^2/NDF: 9488528.3/35

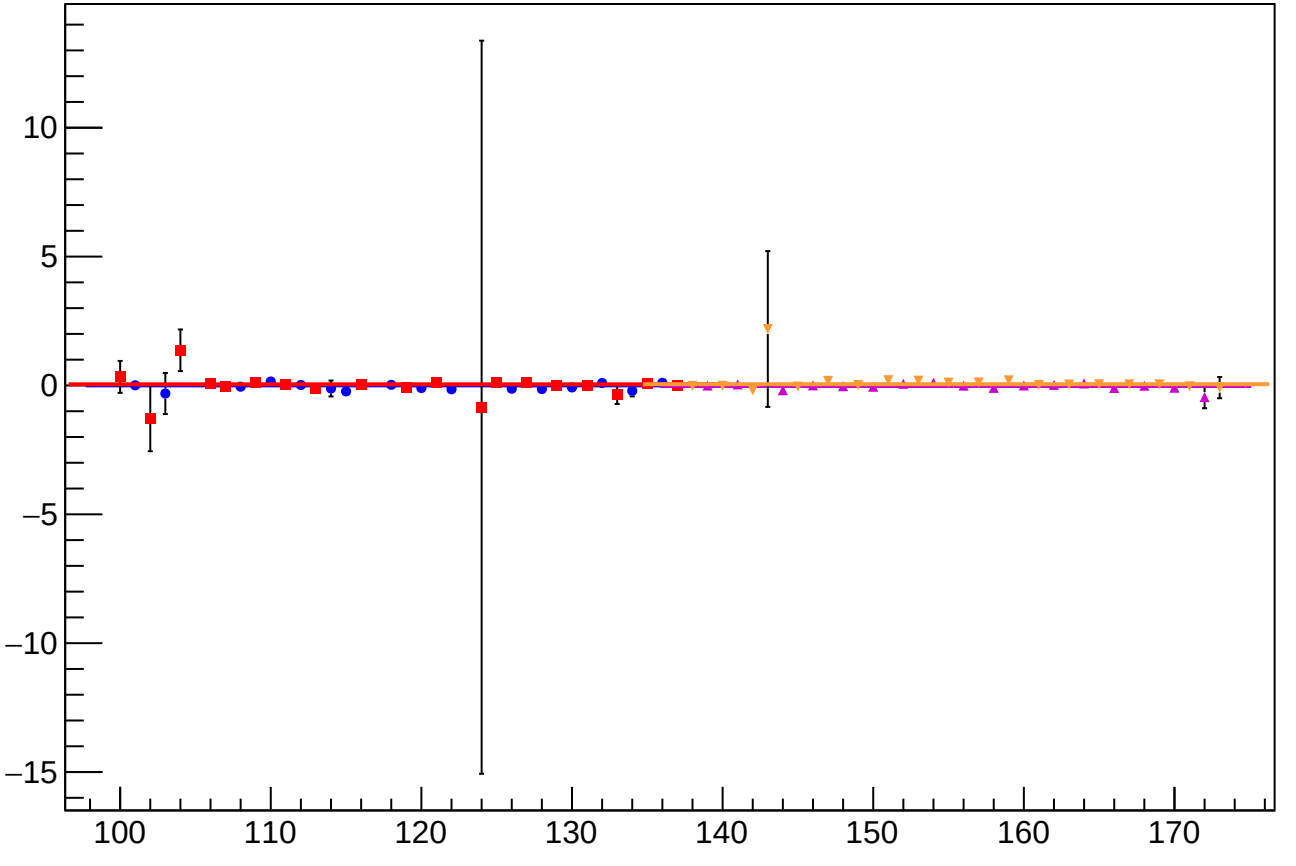
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 58.481+/-0.010 χ^2/NDF:6374478.5/32

Out: 54.679+/-0.010 χ^2/NDF:9604508.1/37

All: 56.519+/-0.007 χ^2/NDF: 16049715.9/70

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: 0.049+/-0.017 χ^2/NDF:19.9/18

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:12.7/16

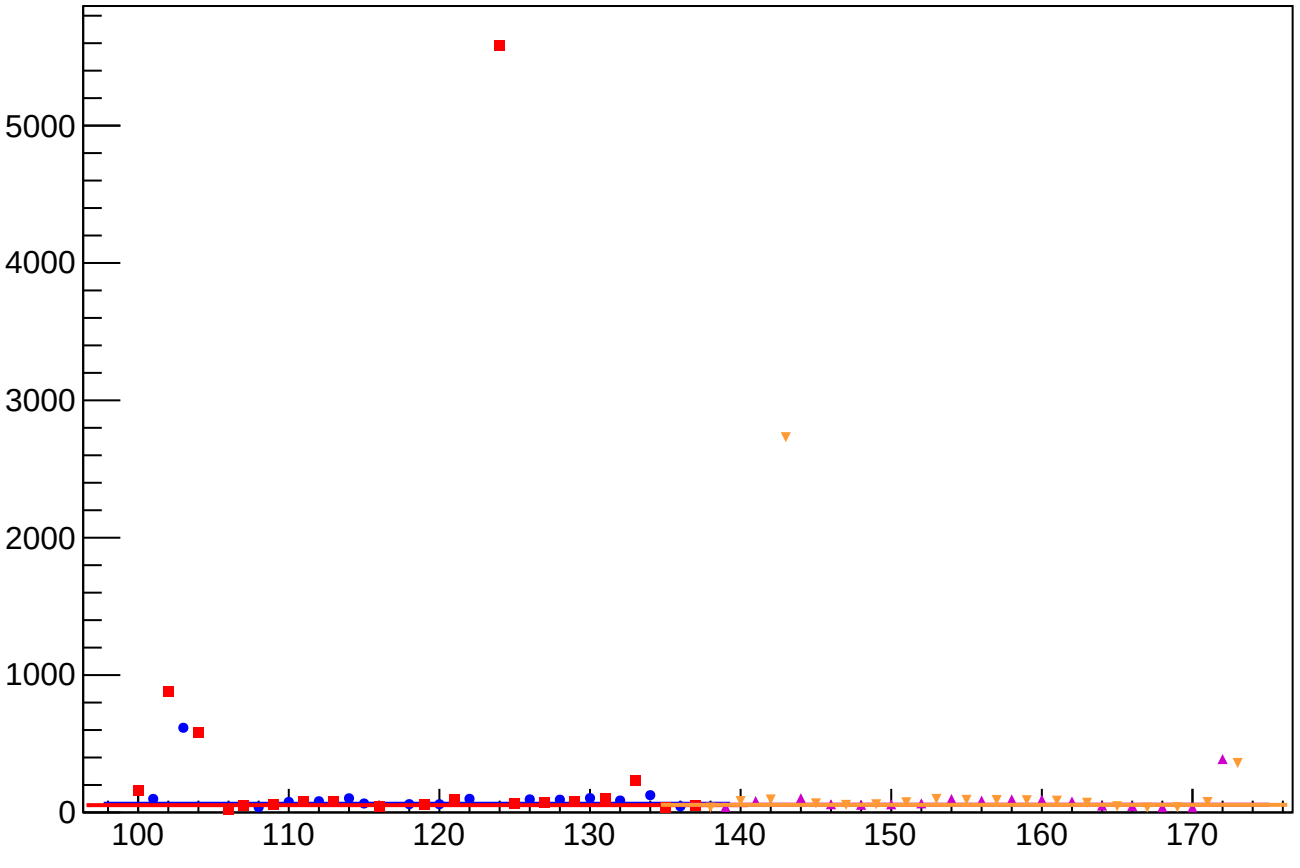
Left: 0.015+/-0.012 χ^2/NDF: 40.7/35

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:26.6/32

Out: 0.047+/-0.014 χ^2/NDF:32.6/37

All: 0.018+/-0.010 χ^2/NDF: 68.1/70



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 55.374+/-0.012 χ^2/NDF:5648384.5/18

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 56.500+/-0.012 χ^2/NDF:3835817.3/16

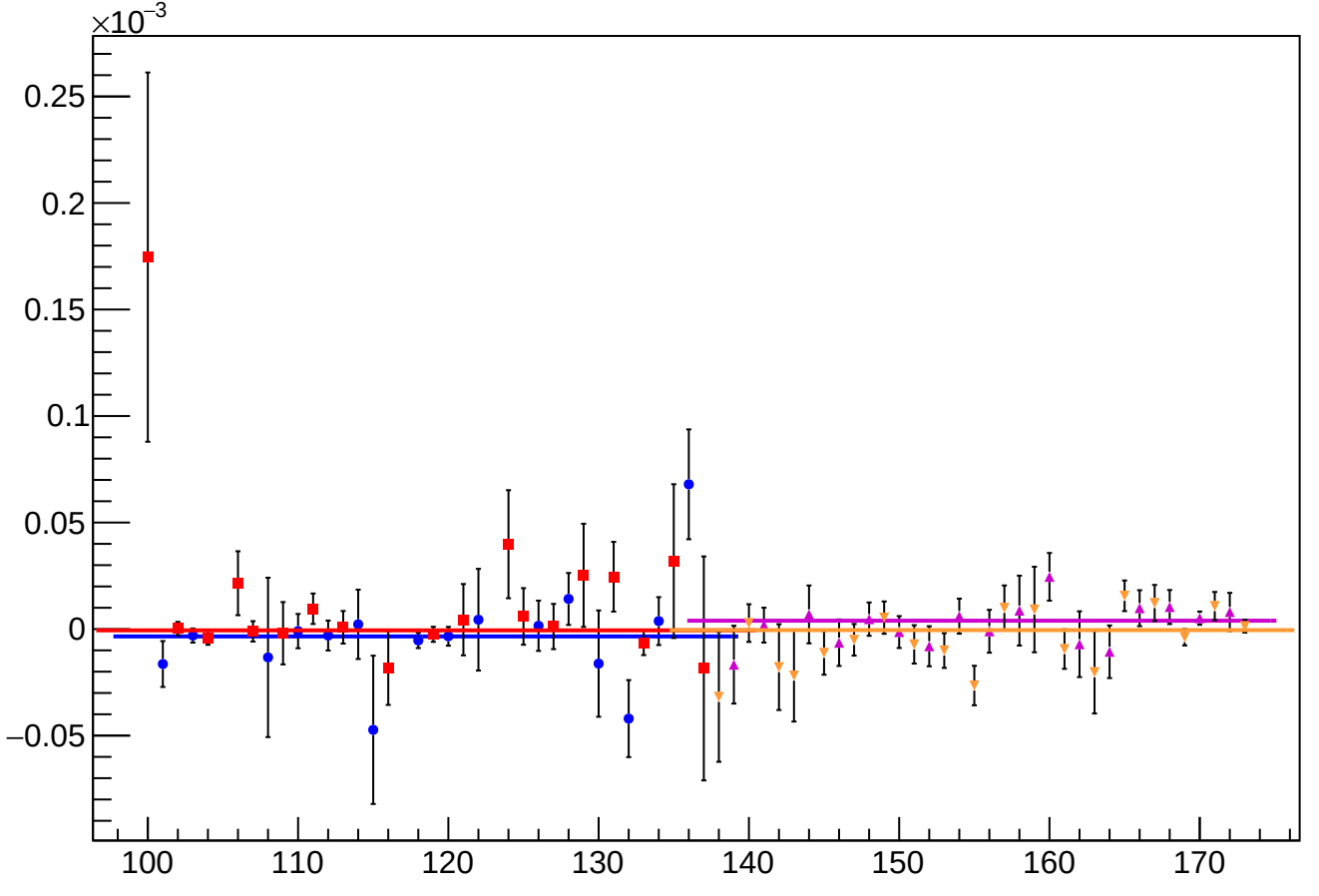
Left: 55.933+/-0.009 χ^2/NDF: 9488528.3/35

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 58.481+/-0.010 χ^2/NDF:6374478.5/32

Out: 54.679+/-0.010 χ^2/NDF:9604508.1/37

All: 56.519+/-0.007 χ^2/NDF: 16049715.9/70



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:11.6/16

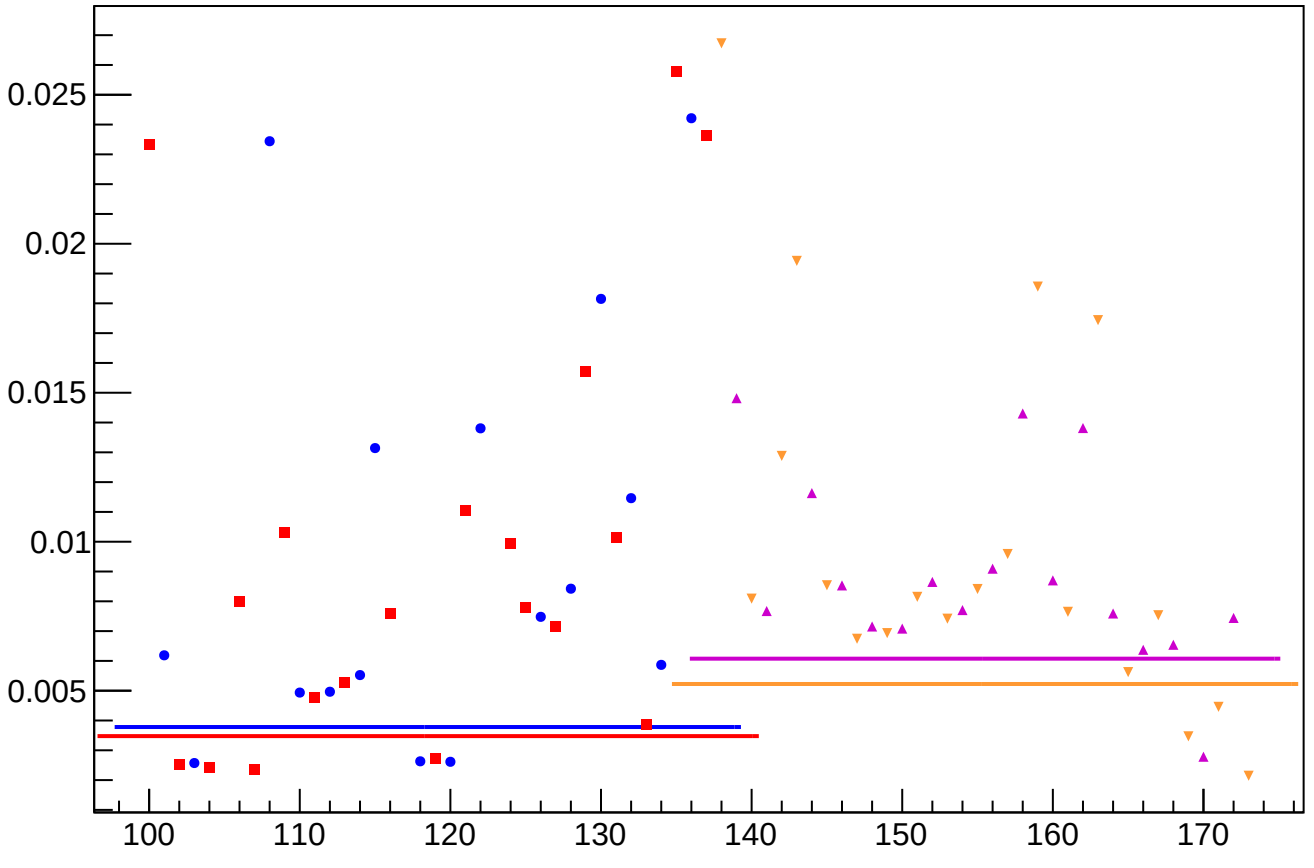
Left: 0.000+/-0.000 χ^2/NDF: 43.9/35

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: 0.000+/-0.000 χ^2/NDF:38.2/32

Out: -0.000+/-0.000 χ^2/NDF:48.4/37

All: -0.000+/-0.000 χ^2/NDF: 86.8/70



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.005+/-0.000 χ^2/NDF:8198796.1/18

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.006+/-0.000 χ^2/NDF:4909325.6/16

Left: 0.006+/-0.000 χ^2/NDF: 13331826.5/35

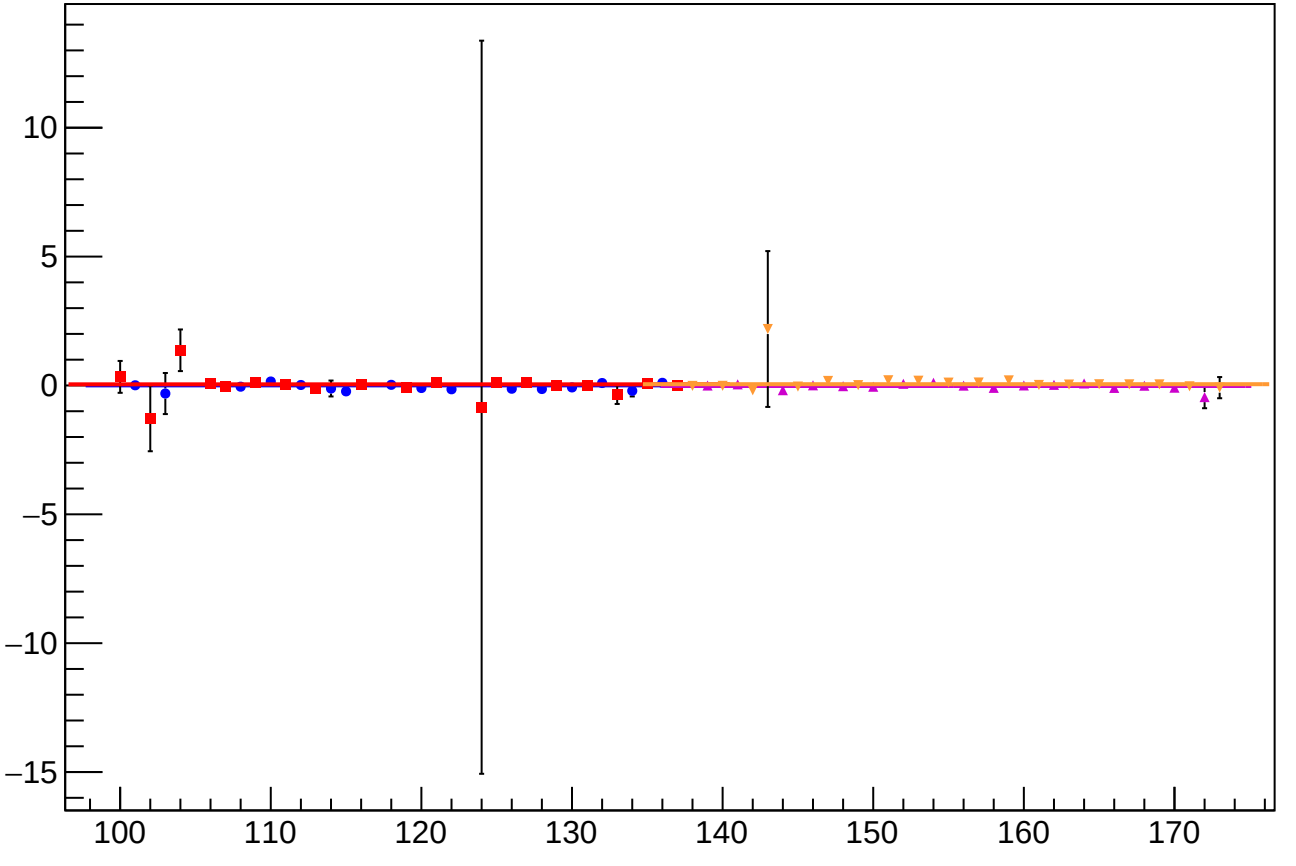
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.005+/-0.000 χ^2/NDF:11126354.7/32

Out: 0.004+/-0.000 χ^2/NDF:13883246.5/37

All: 0.005+/-0.000 χ^2/NDF: 25233222.6/70

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:19.9/18

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:12.7/16

Left: 0.015+/-0.012 χ^2/NDF: 40.7/35

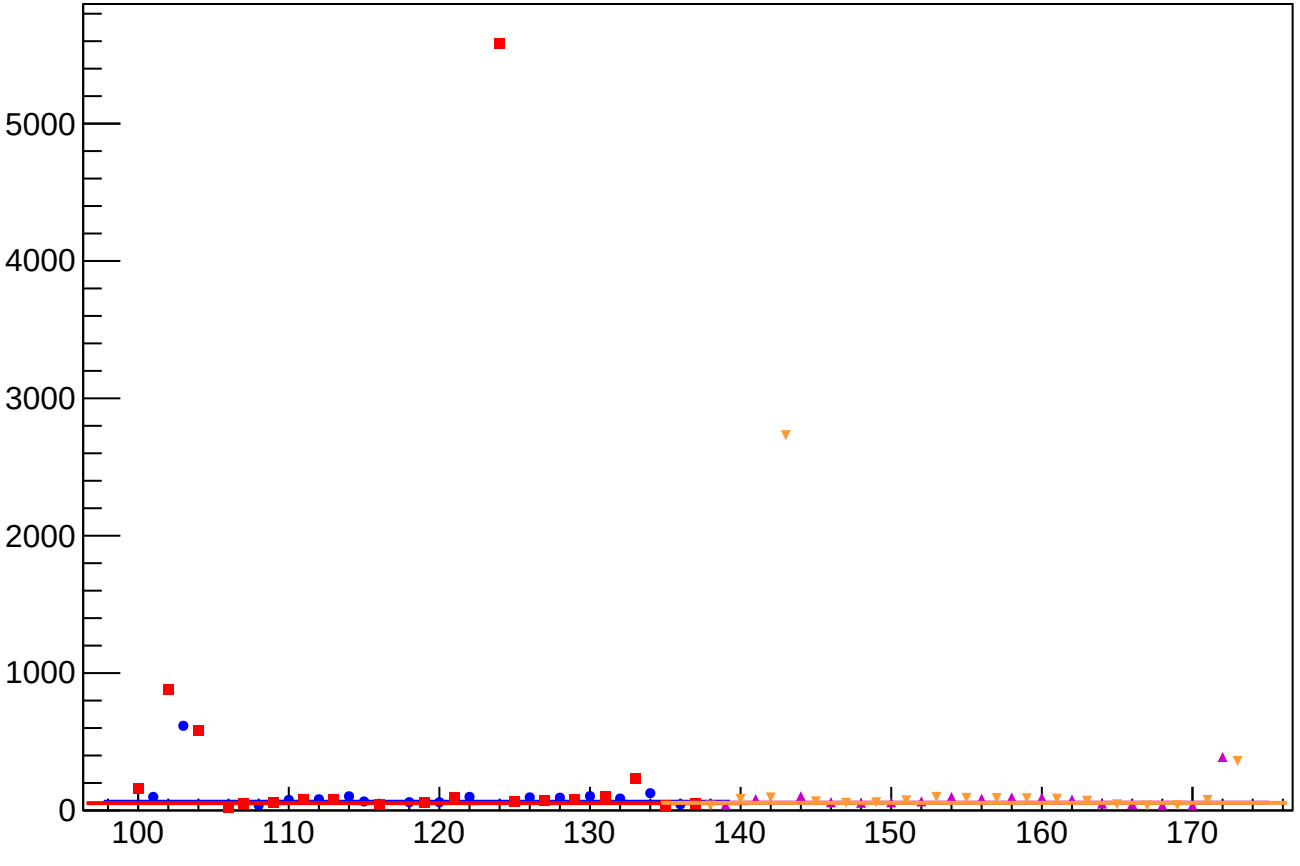
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:26.6/32

Out: 0.047+/-0.014 χ^2/NDF:32.6/37

All: 0.018+/-0.010 χ^2/NDF: 68.1/70

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 55.372+/-0.012 χ^2/NDF:5648104.4/18

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 56.502+/-0.012 χ^2/NDF:3835376.7/16

Left: 55.934+/-0.009 χ^2/NDF: 9487833.5/35

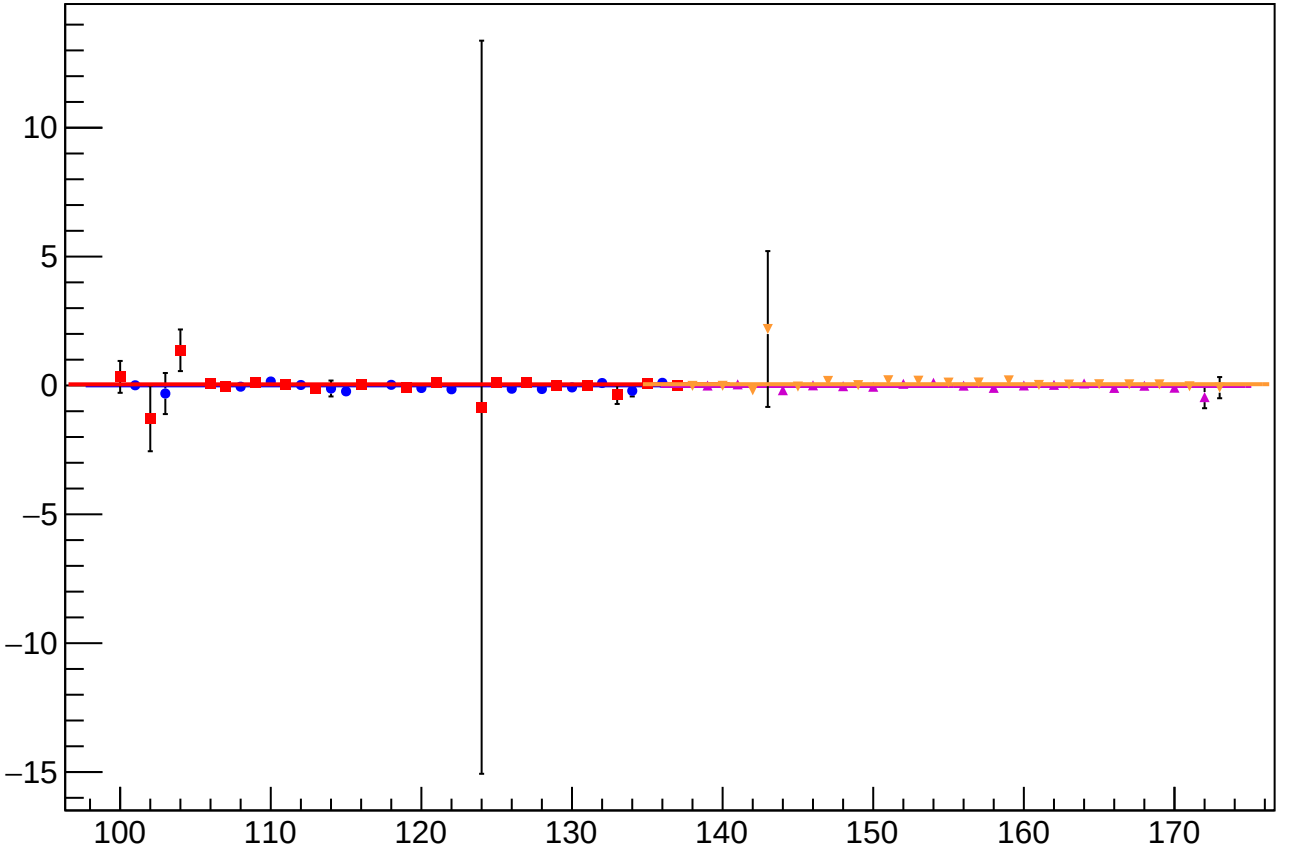
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 58.485+/-0.010 χ^2/NDF:6373304.0/32

Out: 54.676+/-0.010 χ^2/NDF:9604816.5/37

All: 56.519+/-0.007 χ^2/NDF: 16049086.2/70

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: 0.049+/-0.017 χ^2/NDF:19.9/18

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:12.7/16

Left: 0.015+/-0.012 χ^2/NDF: 40.7/35

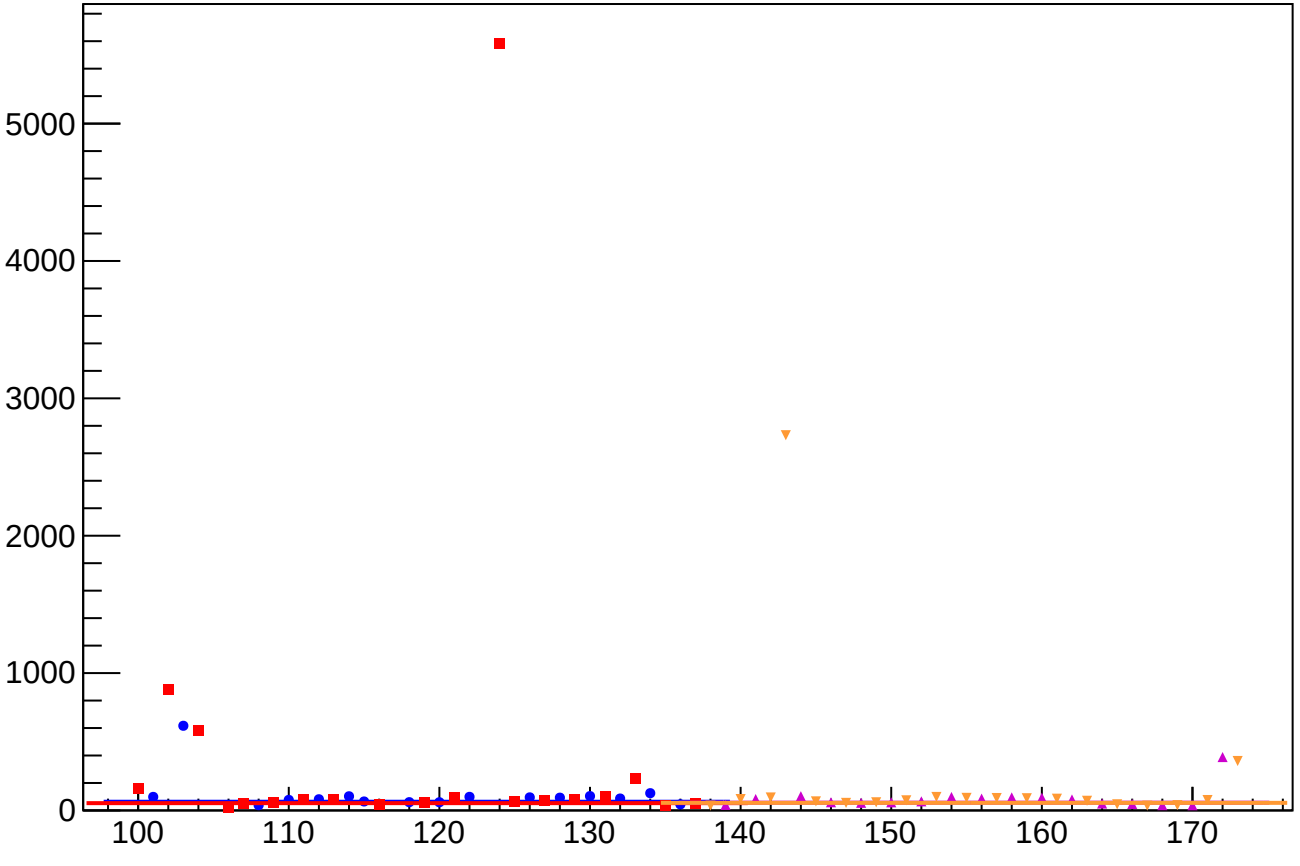
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:26.6/32

Out: 0.047+/-0.014 χ^2/NDF:32.6/37

All: 0.018+/-0.010 χ^2/NDF: 68.1/70

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 55.372+/-0.012 χ^2/NDF:5648104.4/18

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 56.502+/-0.012 χ^2/NDF:3835376.7/16

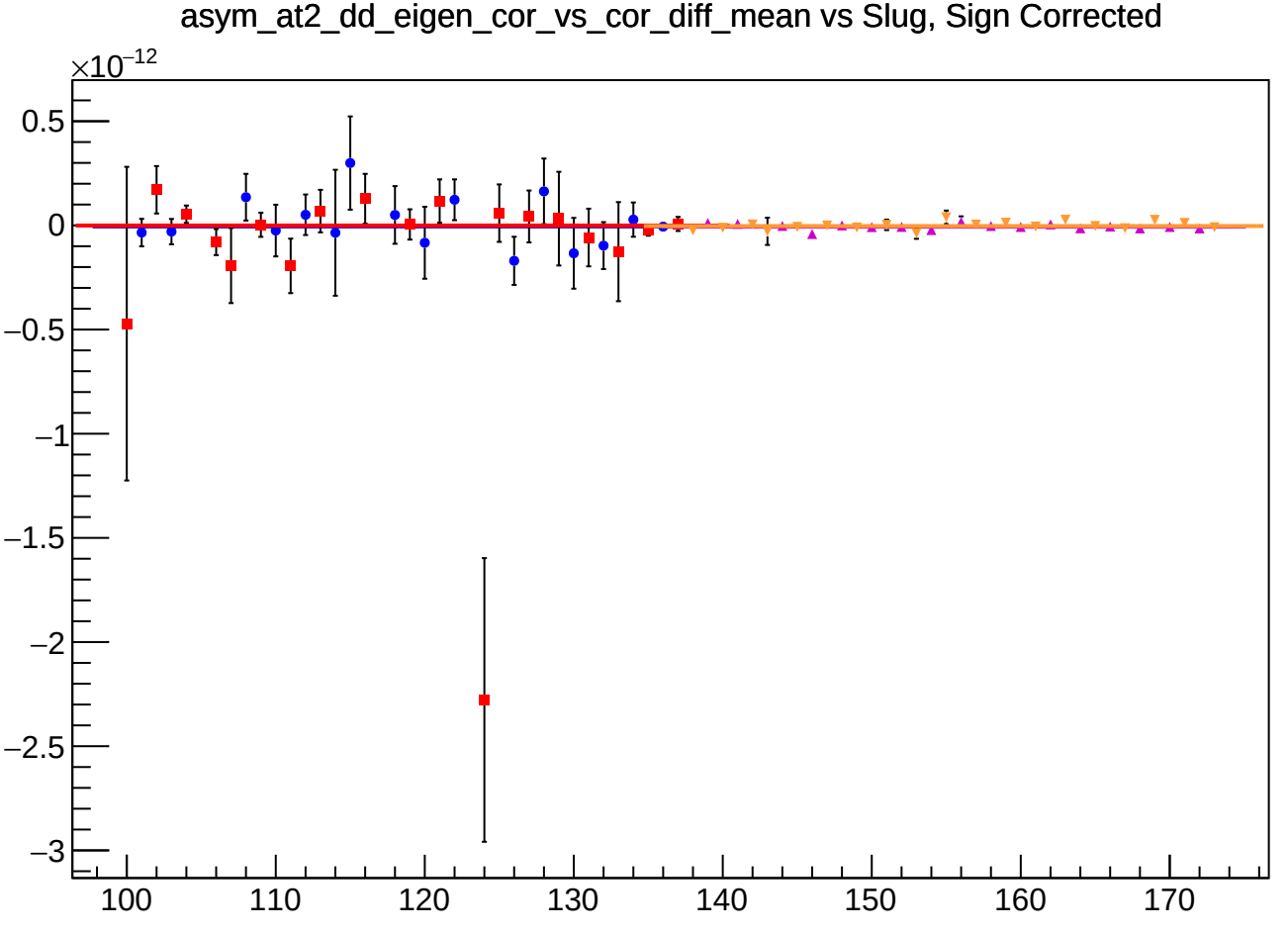
Left: 55.934+/-0.009 χ^2/NDF: 9487833.5/35

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 58.485+/-0.010 χ^2/NDF:6373304.0/32

Out: 54.676+/-0.010 χ^2/NDF:9604816.5/37

All: 56.519+/-0.007 χ^2/NDF: 16049086.2/70



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/16

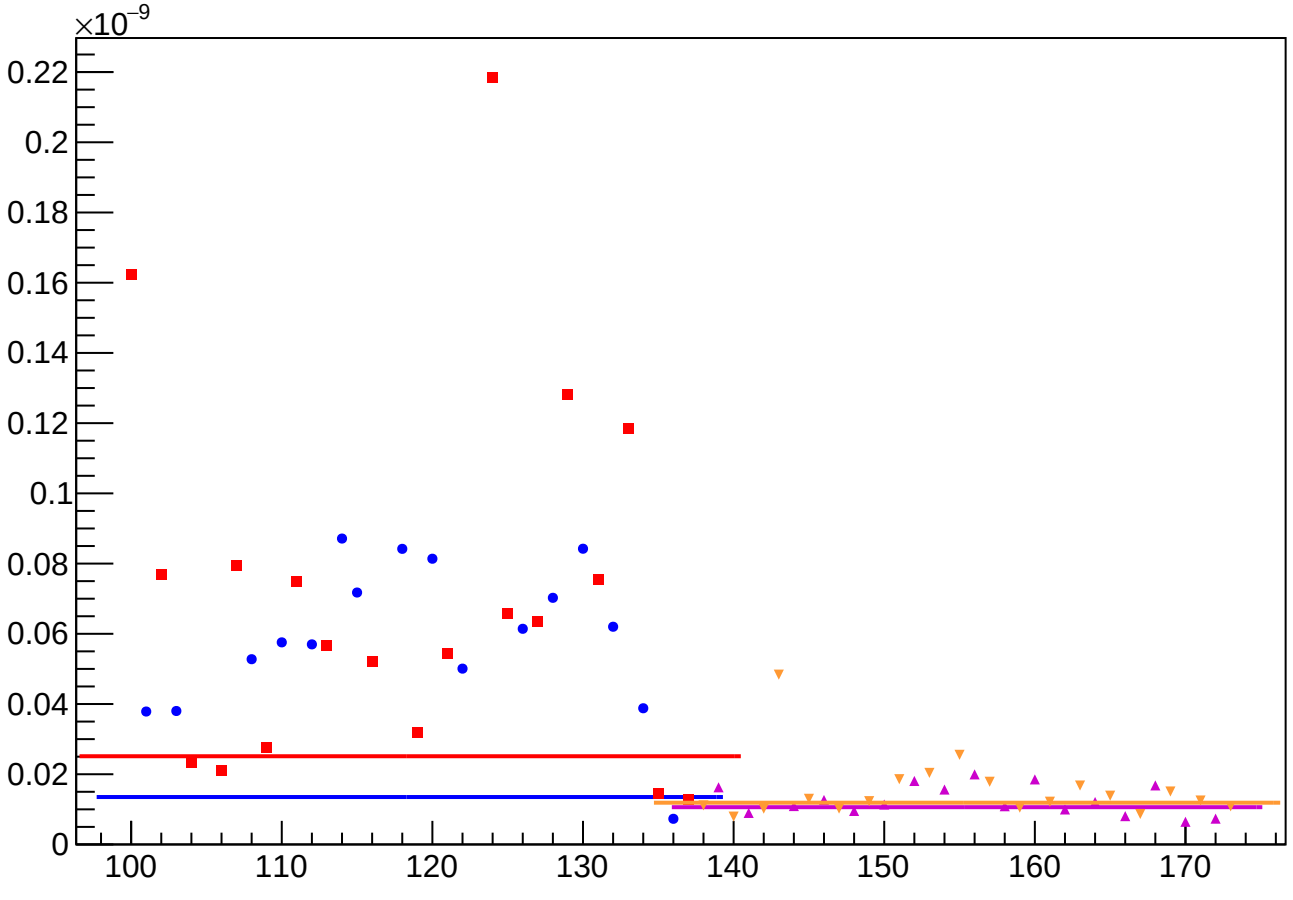
Left: -0.000+/-0.000 χ^2/NDF: 23.8/35

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:20.7/32

Out: -0.000+/-0.000 χ^2/NDF:38.7/37

All: -0.000+/-0.000 χ^2/NDF: 59.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2144540.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1782529.7/16

Left: 0.000+/-0.000 χ^2/NDF: 4039098.9/35

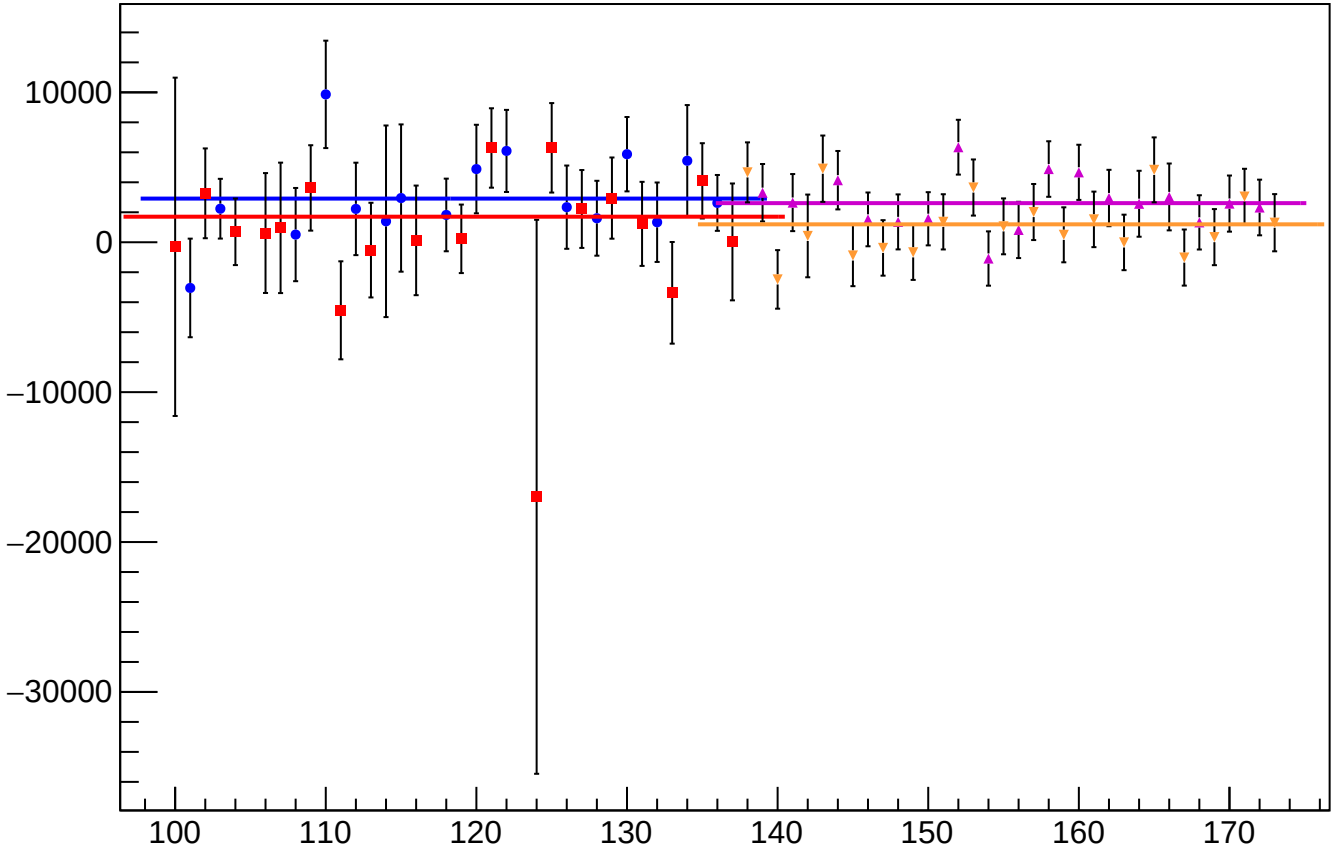
Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:6916314.9/32

Out: 0.000+/-0.000 χ^2/NDF:7170841.5/37

All: 0.000+/-0.000 χ^2/NDF: 14327009.6/70

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1195.646+/-444.682 χ^2/NDF:20.2/18

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 2609.704+/-457.300 χ^2/NDF:14.5/16

Left: 1882.898+/-318.805 χ^2/NDF: 39.6/35

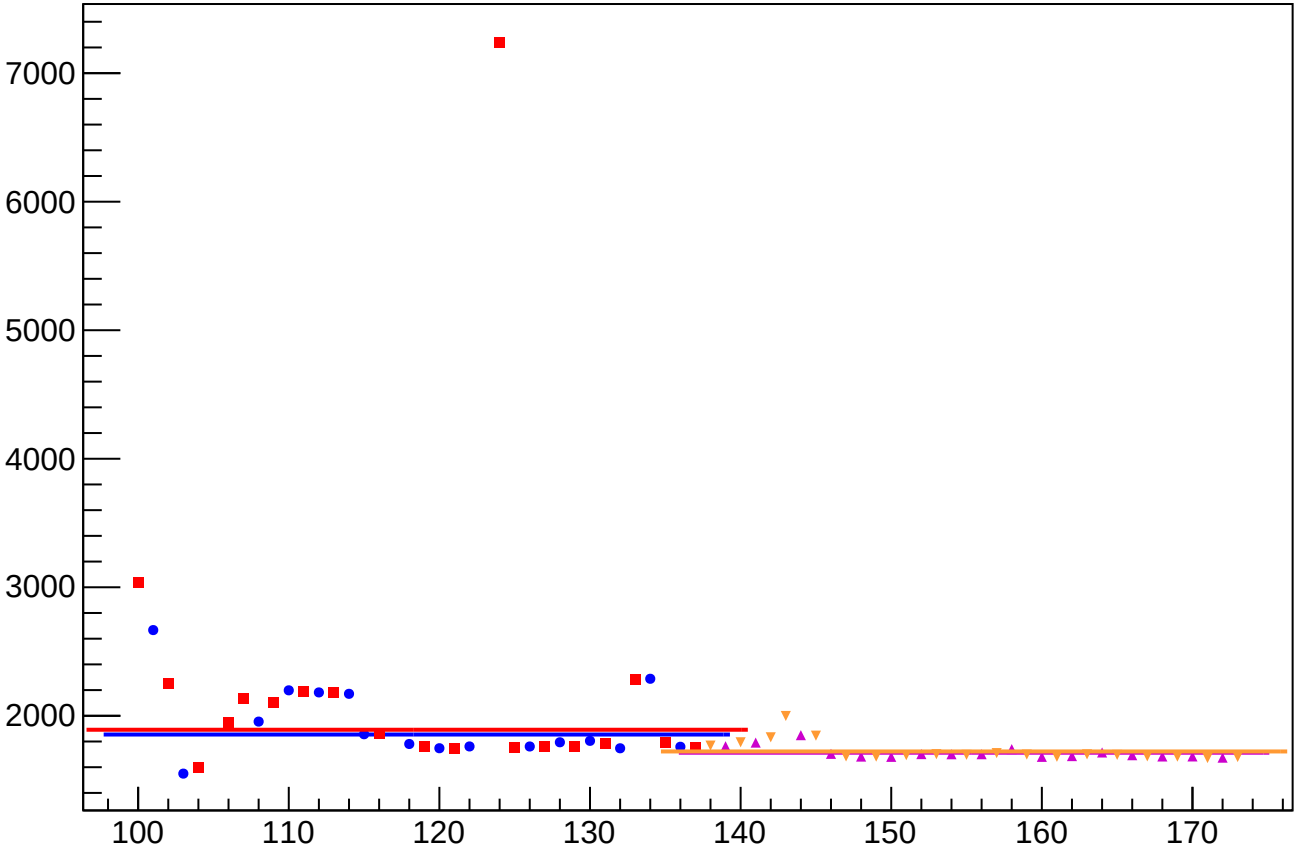
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2701.326+/-382.030 χ^2/NDF:27.1/32

Out: 1340.048+/-376.393 χ^2/NDF:36.4/37

All: 2010.569+/-268.121 χ^2/NDF: 69.9/70

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1722.603+/-0.314 χ^2/NDF:54592.6/18

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1712.593+/-0.323 χ^2/NDF:19562.2/16

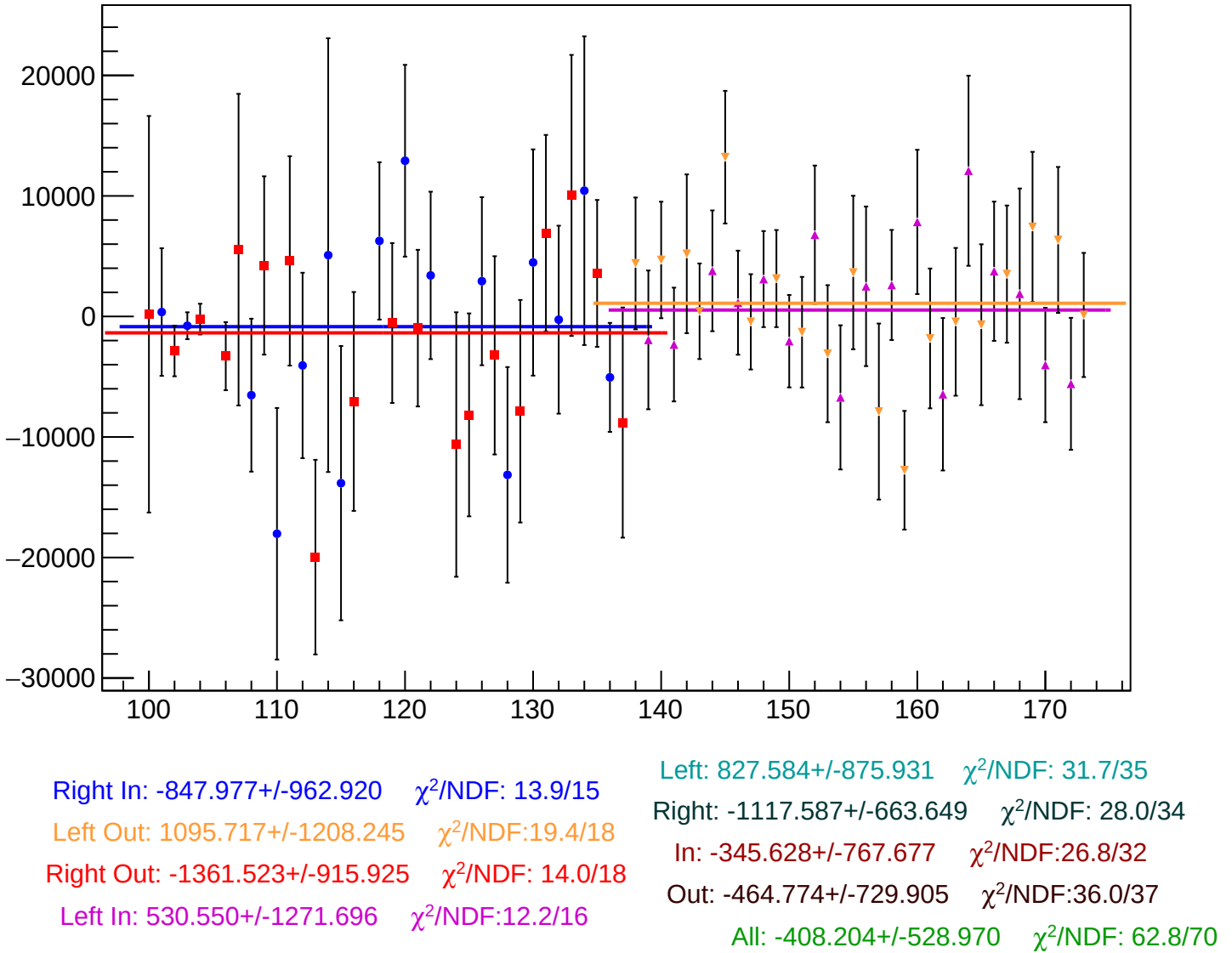
Left: 1717.738+/-0.225 χ^2/NDF: 74647.3/35

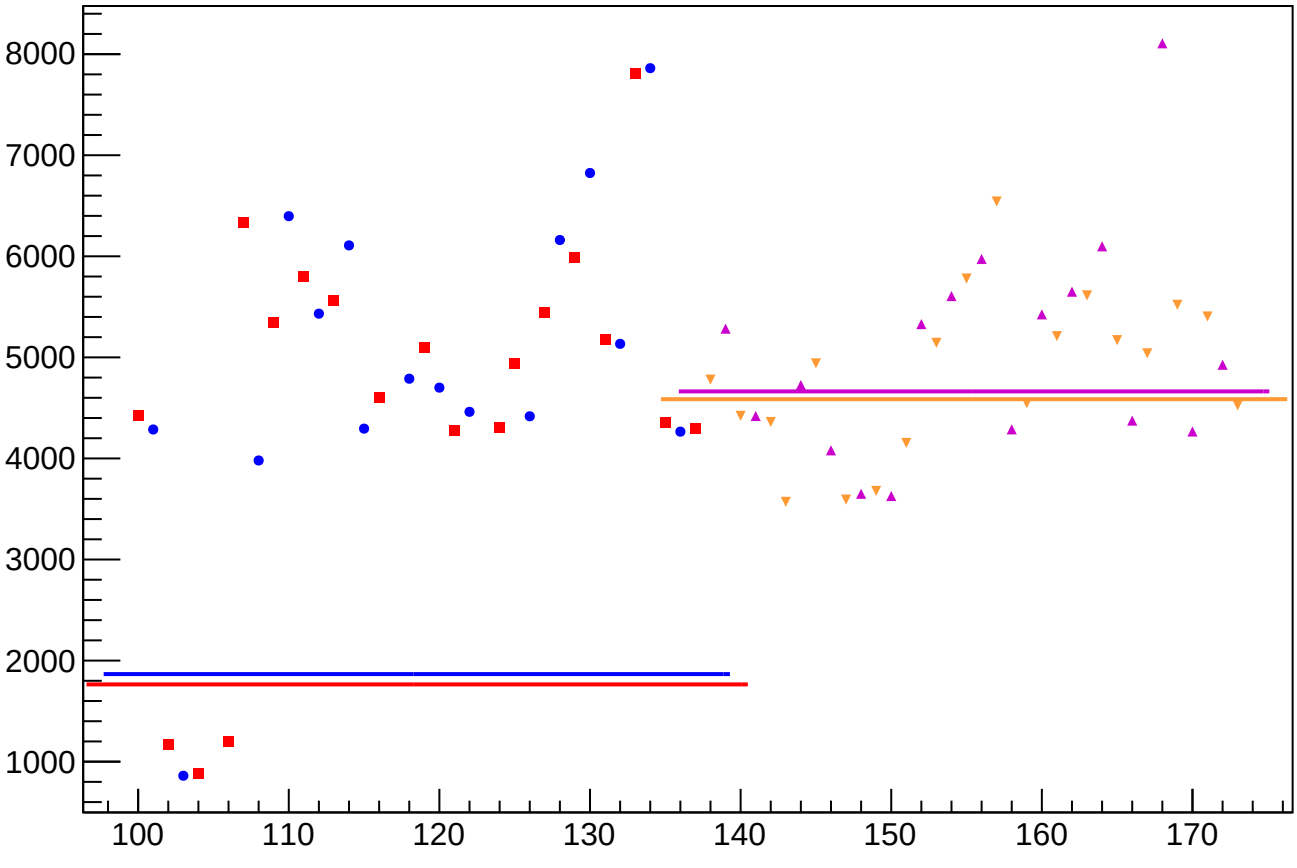
Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1755.407+/-0.270 χ^2/NDF:340913.2/32

Out: 1770.645+/-0.266 χ^2/NDF:500695.4/37

All: 1763.144+/-0.190 χ^2/NDF: 843224.3/70


asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -847.977+/-962.920 χ²/NDF: 13.9/15
Left Out: 1095.717+/-1208.245 χ²/NDF:19.4/18
Right Out: -1361.523+/-915.925 χ²/NDF: 14.0/18
Left In: 530.550+/-1271.696 χ²/NDF:12.2/16
Left: 827.584+/-875.931 χ²/NDF: 31.7/35
Right: -1117.587+/-663.649 χ²/NDF: 28.0/34
In: -345.628+/-767.677 χ²/NDF:26.8/32
Out: -464.774+/-729.905 χ²/NDF:36.0/37
All: -408.204+/-528.970 χ²/NDF: 62.8/70



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4586.357+/-0.854 χ^2/NDF:814515.9/18

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4663.370+/-0.899 χ^2/NDF:990321.8/16

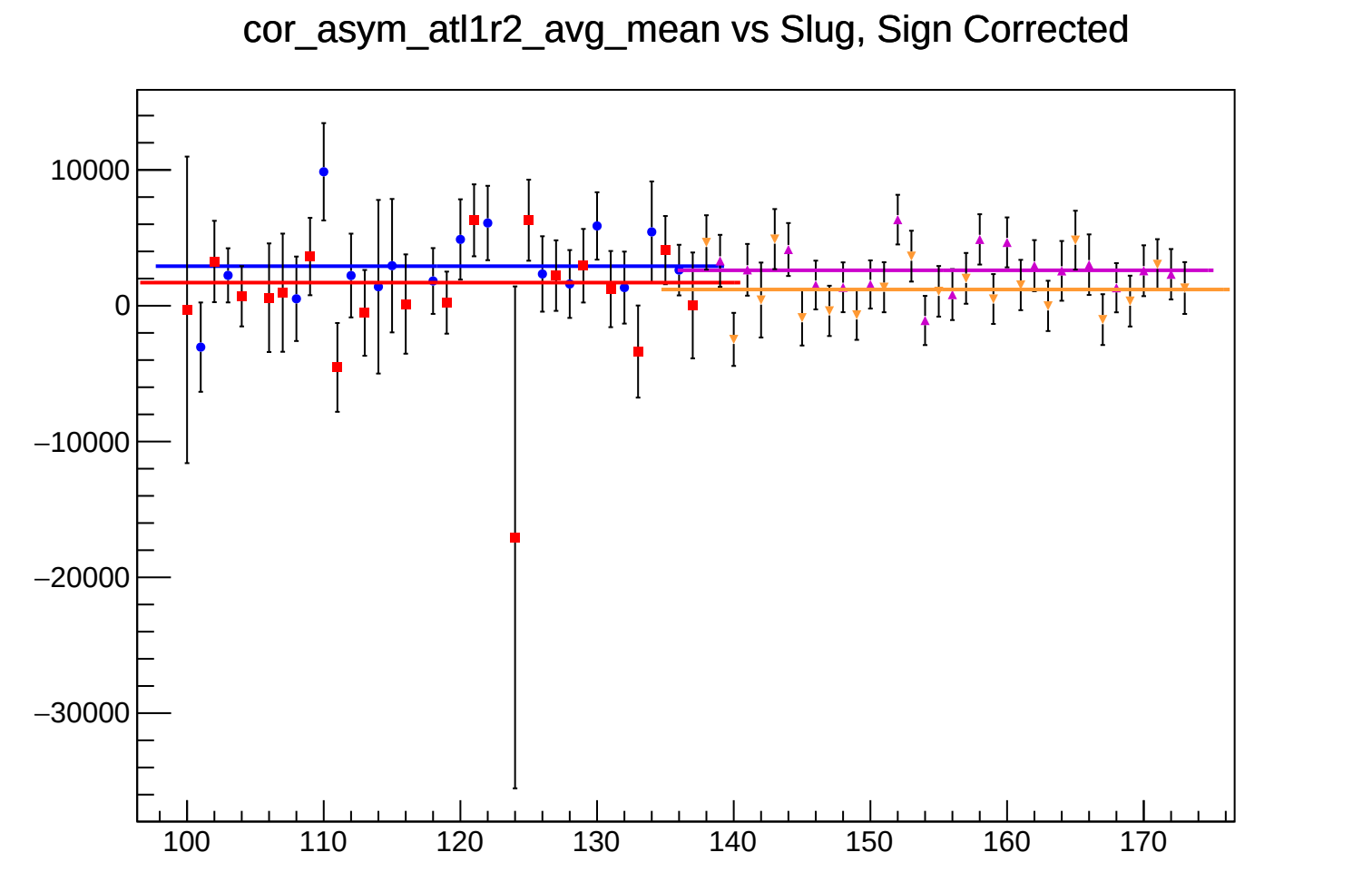
Left: 4622.894+/-0.619 χ^2/NDF: 1808692.6/35

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2885.647+/-0.543 χ^2/NDF:13989096.7/32

Out: 2794.174+/-0.516 χ^2/NDF:14178334.6/37

All: 2837.605+/-0.374 χ^2/NDF: 28182344.9/7



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1195.525+/-444.682 χ^2/NDF:20.2/18

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2609.675+/-457.300 χ^2/NDF:14.5/16

Left: 1882.822+/-318.805 χ^2/NDF: 39.6/35

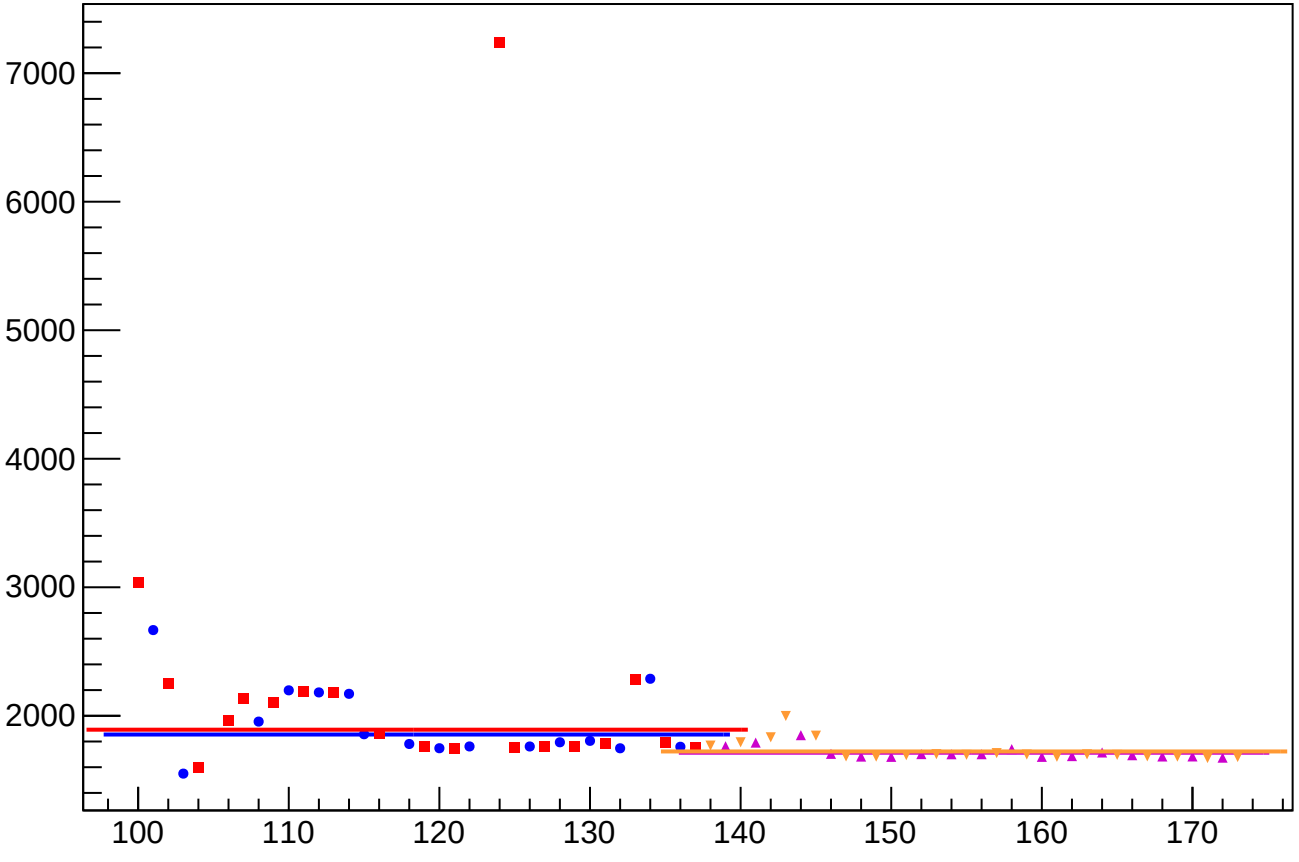
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2701.337+/-382.030 χ^2/NDF:27.1/32

Out: 1339.569+/-376.393 χ^2/NDF:36.4/37

All: 2010.332+/-268.121 χ^2/NDF: 69.9/70

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1722.603+/-0.314 χ^2/NDF:54592.6/18

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1712.593+/-0.323 χ^2/NDF:19562.2/16

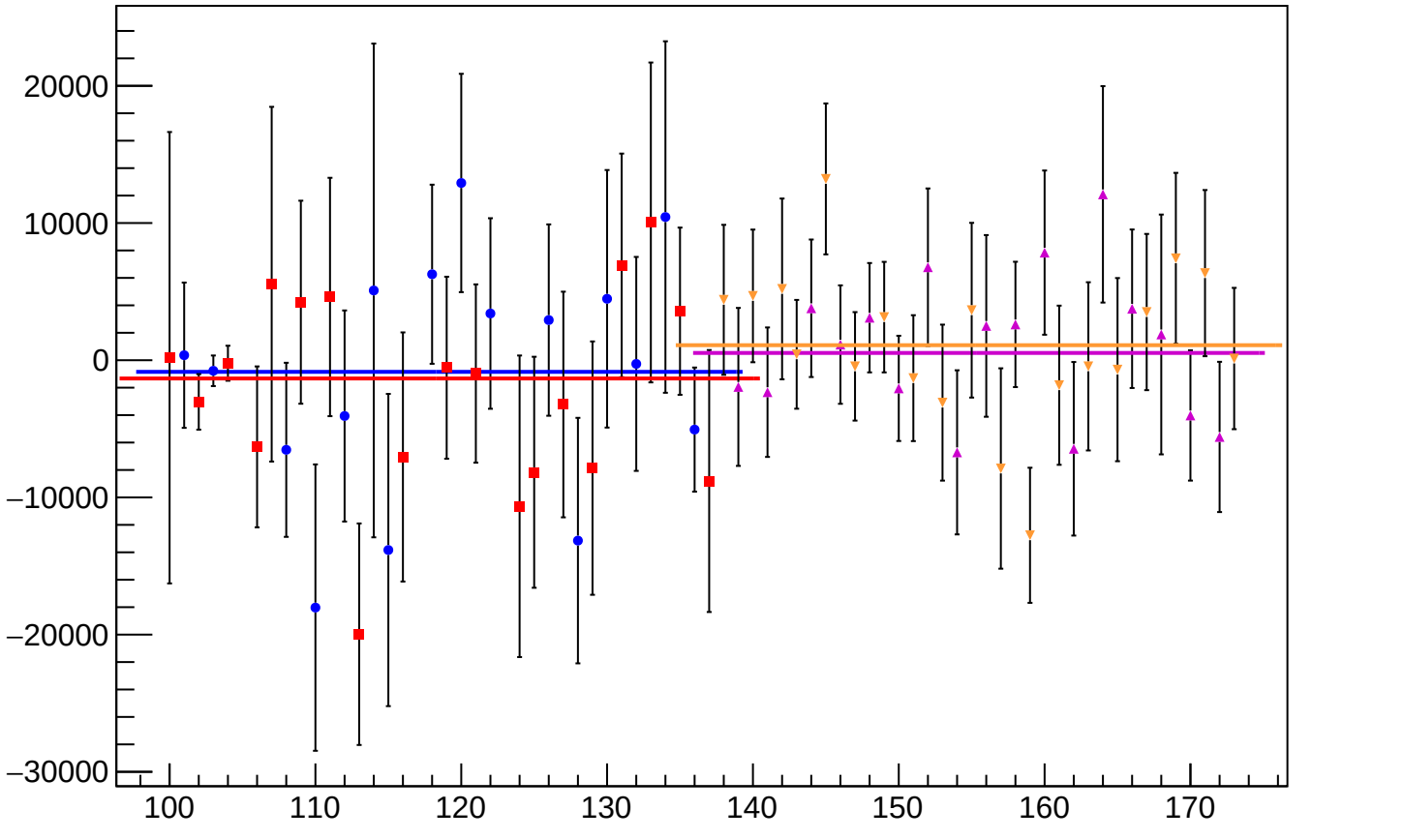
Left: 1717.738+/-0.225 χ^2/NDF: 74647.3/35

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1755.407+/-0.270 χ^2/NDF:340913.1/32

Out: 1770.760+/-0.266 χ^2/NDF:501356.2/37

All: 1763.202+/-0.190 χ^2/NDF: 843909.3/70



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 1095.697+/-1208.243 χ^2/NDF:19.4/18

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 530.604+/-1271.696 χ^2/NDF:12.2/16

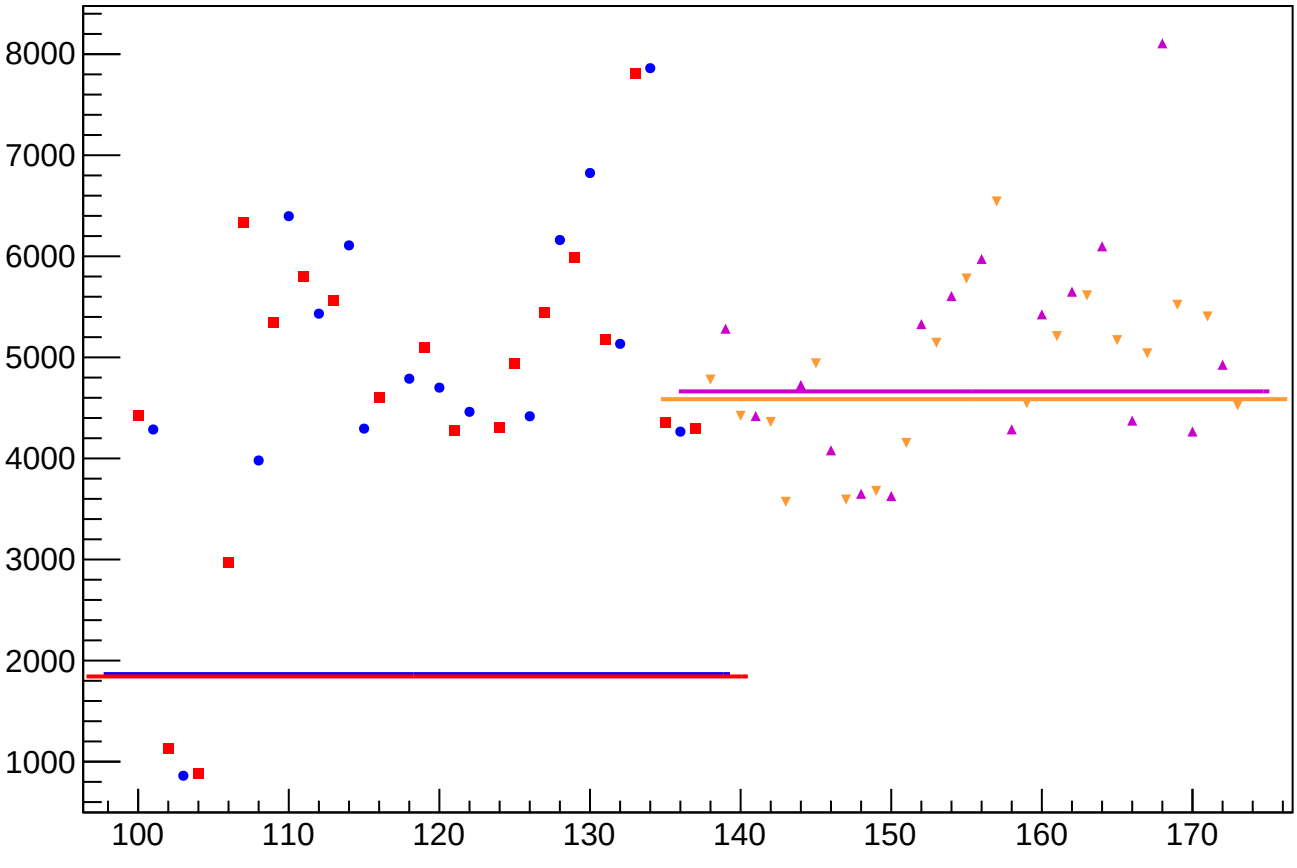
Left: 827.600+/-875.930 χ^2/NDF: 31.7/35

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -345.342+/-767.650 χ^2/NDF:26.8/32

Out: -406.364+/-745.909 χ^2/NDF:36.3/37

All: -376.730+/-534.958 χ^2/NDF: 63.1/70



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4586.350+/-0.854 χ^2/NDF:814526.5/18

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4663.367+/-0.899 χ^2/NDF:990337.6/16

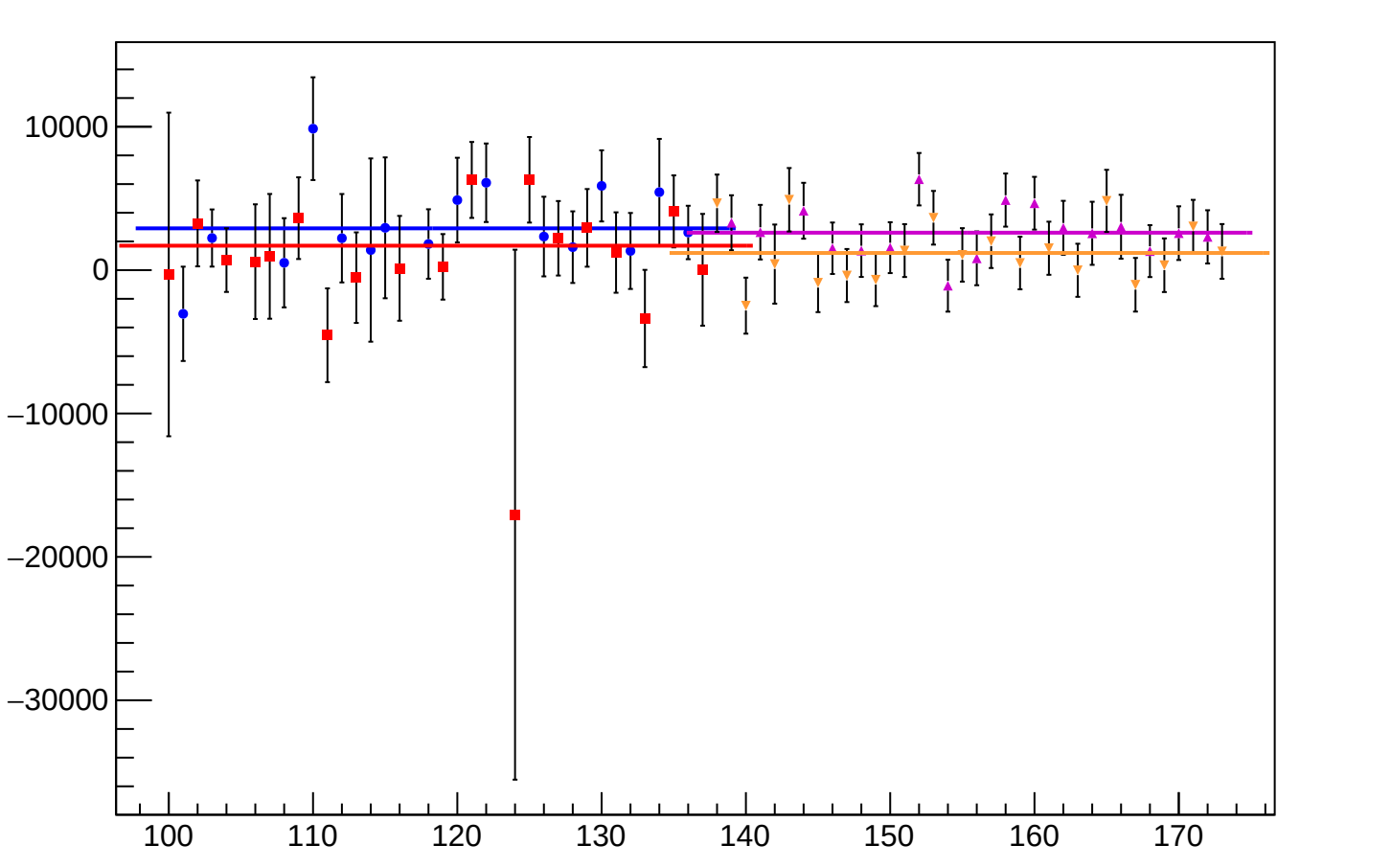
Left: 4622.889+/-0.619 χ^2/NDF: 1808719.4/35

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2885.477+/-0.543 χ^2/NDF:13990448.4/32

Out: 2888.476+/-0.527 χ^2/NDF:13654545.5/37

All: 2887.019+/-0.378 χ^2/NDF: 27645009.6/7



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1195.525+/-444.682 χ^2/NDF:20.2/18

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2609.675+/-457.300 χ^2/NDF:14.5/16

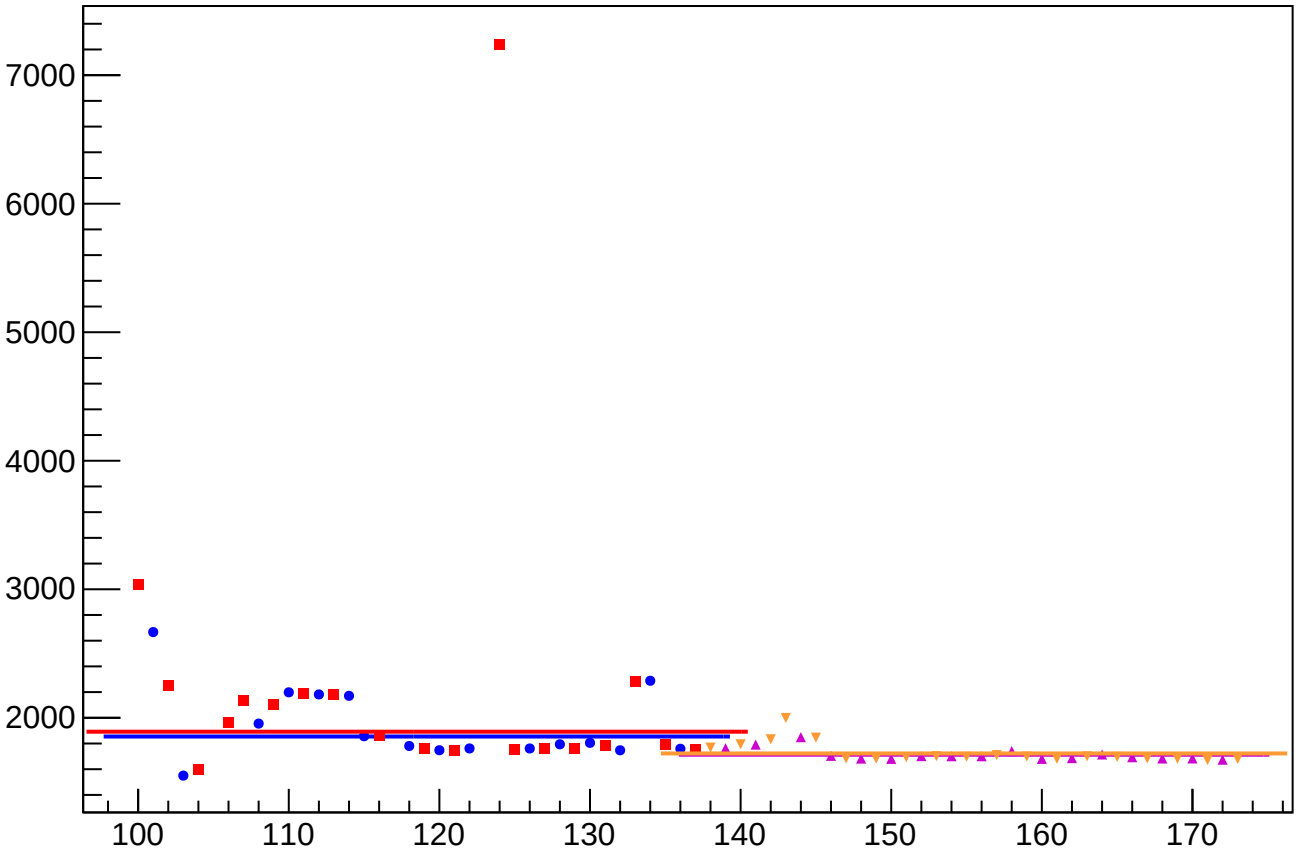
Left: 1882.822+/-318.805 χ^2/NDF: 39.6/35

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2701.337+/-382.030 χ^2/NDF:27.1/32

Out: 1339.569+/-376.393 χ^2/NDF:36.4/37

All: 2010.332+/-268.121 χ^2/NDF: 69.9/70



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1722.603+/-0.314 χ^2/NDF:54592.6/18

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1712.593+/-0.323 χ^2/NDF:19562.2/16

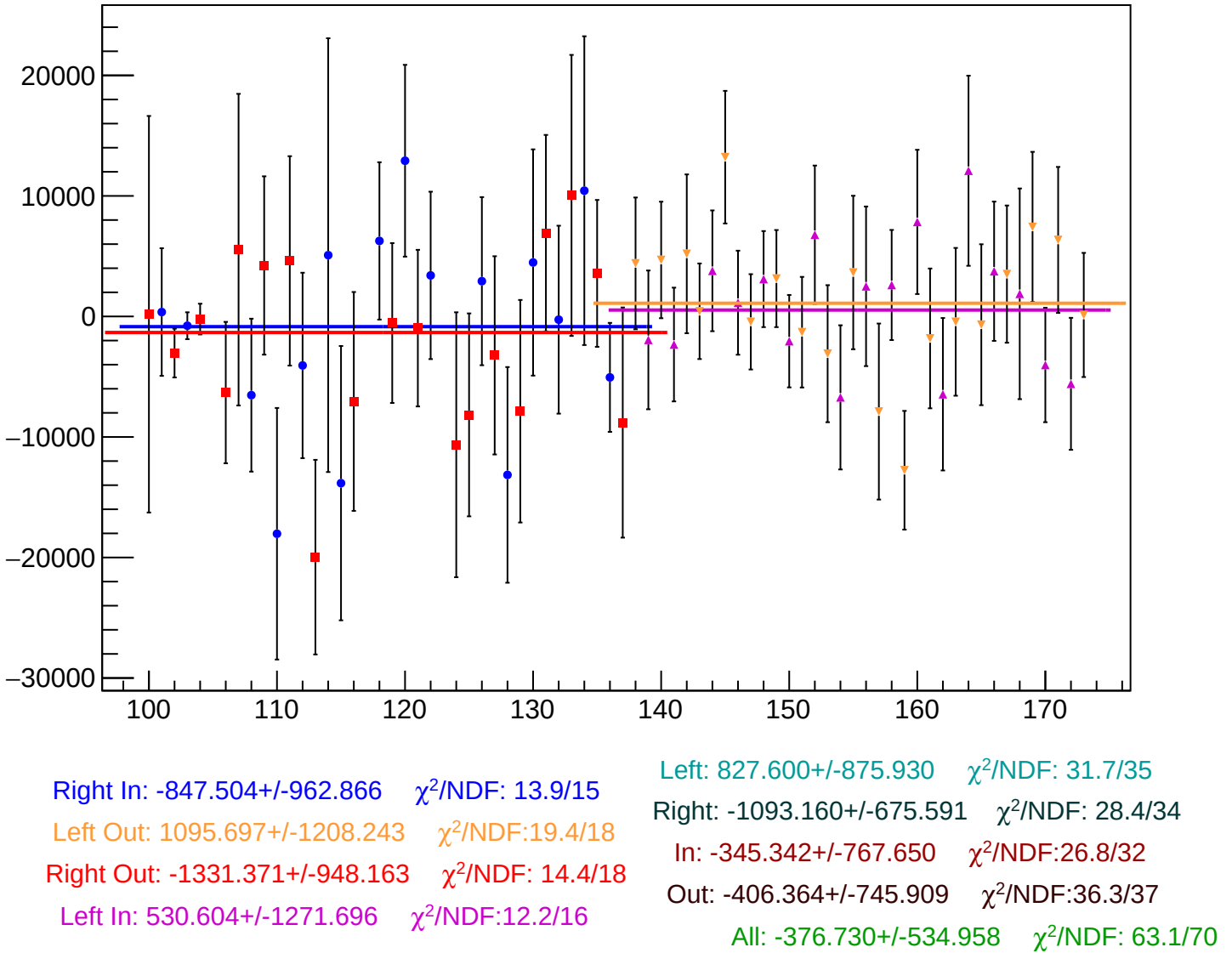
Left: 1717.738+/-0.225 χ^2/NDF: 74647.3/35

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1755.407+/-0.270 χ^2/NDF:340913.1/32

Out: 1770.760+/-0.266 χ^2/NDF:501356.2/37

All: 1763.202+/-0.190 χ^2/NDF: 843909.3/70


asym_atl1r2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
10000
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−10000
−20000
−30000
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110
120
130
140
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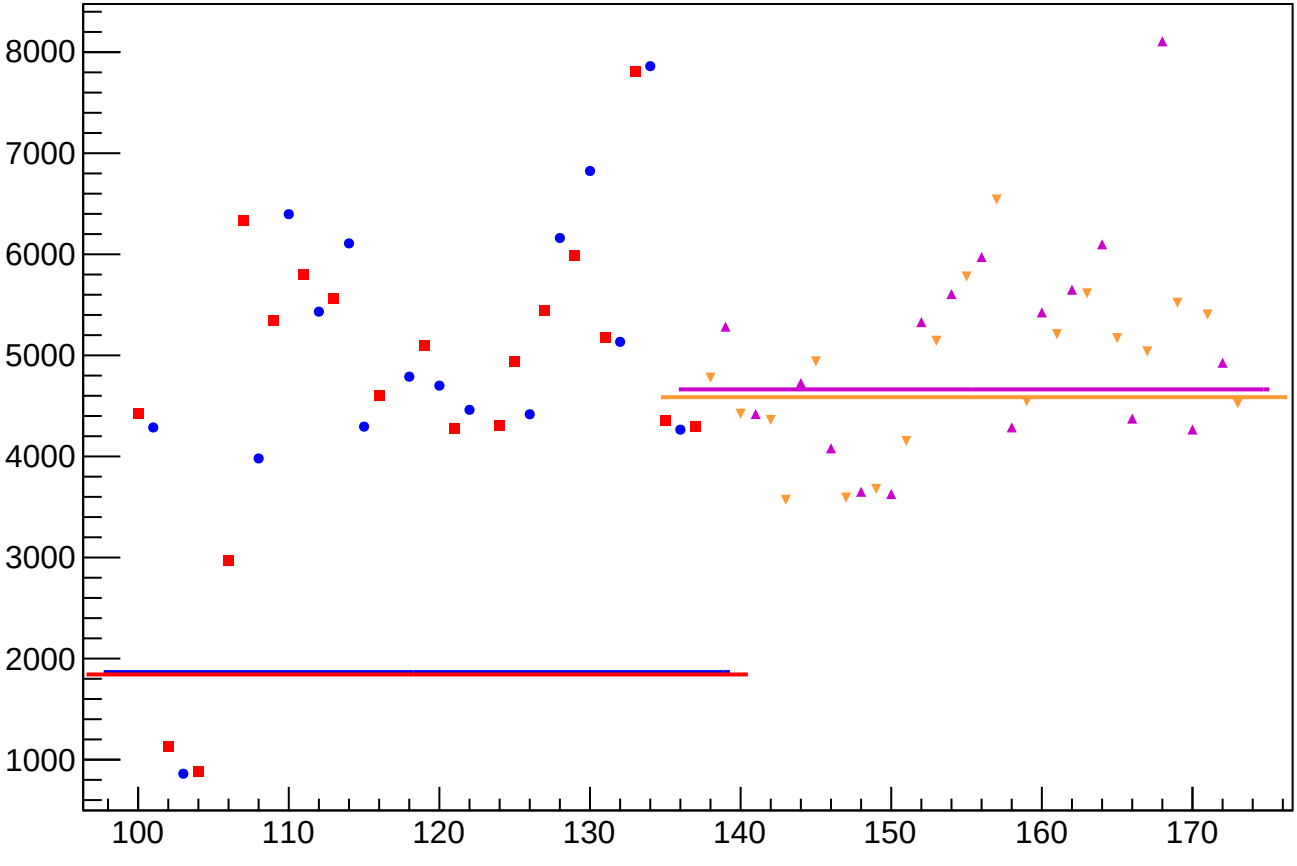
160
170
Right In: -847.504+/-962.866 χ²/NDF: 13.9/15
Left Out: 1095.697+/-1208.243 χ²/NDF:19.4/18
Right Out: -1331.371+/-948.163 χ²/NDF: 14.4/18
Left In: 530.604+/-1271.696 χ²/NDF:12.2/16
Left: 827.600+/-875.930 χ²/NDF: 31.7/35
Right: -1093.160+/-675.591 χ²/NDF: 28.4/34
In: -345.342+/-767.650 χ²/NDF:26.8/32
Out: -406.364+/-745.909 χ²/NDF:36.3/37
All: -376.730+/-534.958 χ²/NDF: 63.1/70

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4586.350+/-0.854 χ^2/NDF:814526.5/18

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4663.367+/-0.899 χ^2/NDF:990337.6/16

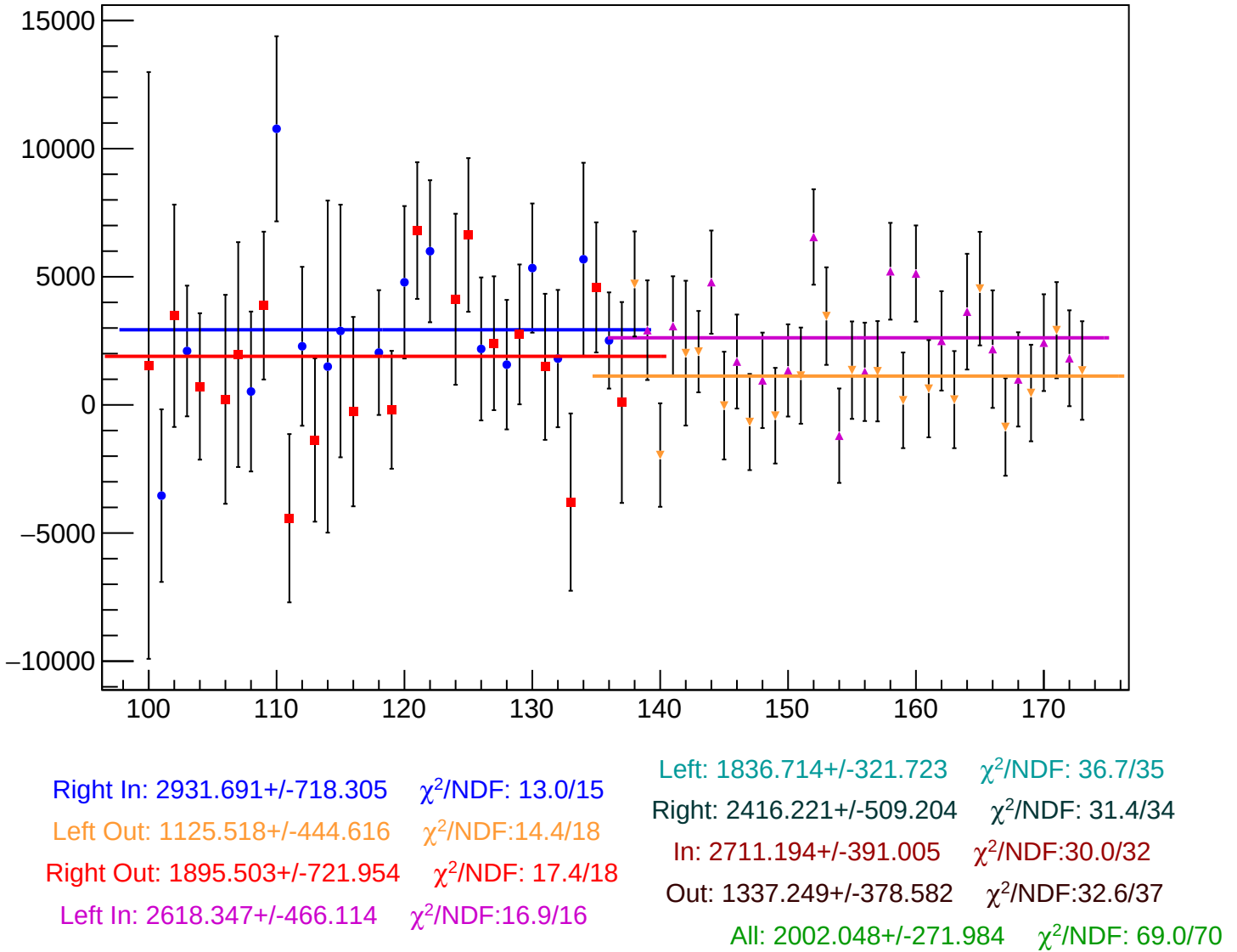
Left: 4622.889+/-0.619 χ^2/NDF: 1808719.4/35

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

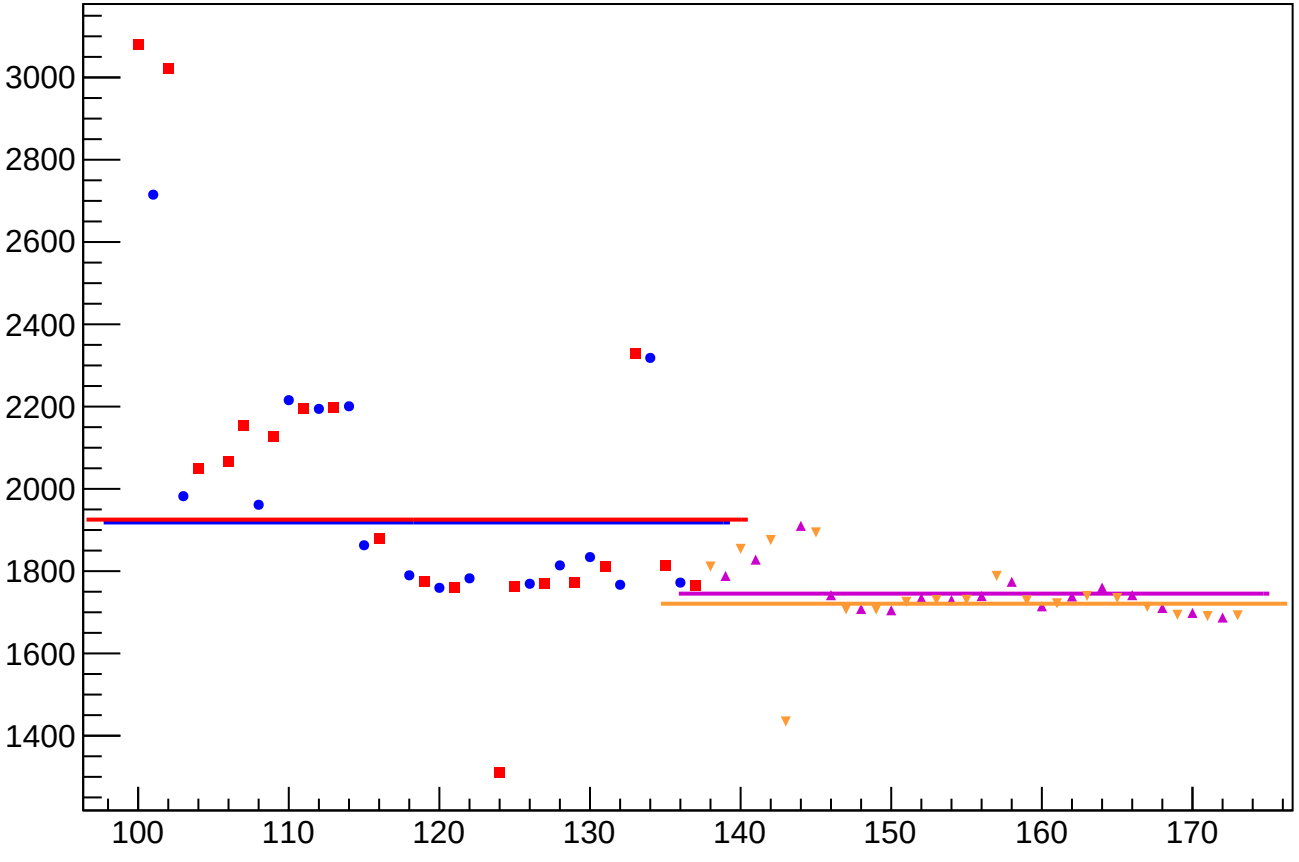
In: 2885.477+/-0.543 χ^2/NDF:13990448.4/32

Out: 2888.476+/-0.527 χ^2/NDF:13654545.5/37

All: 2887.019+/-0.378 χ^2/NDF: 27645009.6/7


dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 2931.691+/-718.305 χ²/NDF: 13.0/15
Left Out: 1125.518+/-444.616 χ²/NDF:14.4/18
Right Out: 1895.503+/-721.954 χ²/NDF: 17.4/18
Left In: 2618.347+/-466.114 χ²/NDF:16.9/16
Left: 1836.714+/-321.723 χ²/NDF: 36.7/35
Right: 2416.221+/-509.204 χ²/NDF: 31.4/34
In: 2711.194+/-391.005 χ²/NDF:30.0/32
Out: 1337.249+/-378.582 χ²/NDF:32.6/37
All: 2002.048+/-271.984 χ²/NDF: 69.0/70

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1720.853+/-0.314 χ^2/NDF:101599.2/18

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1745.344+/-0.330 χ^2/NDF:25031.2/16

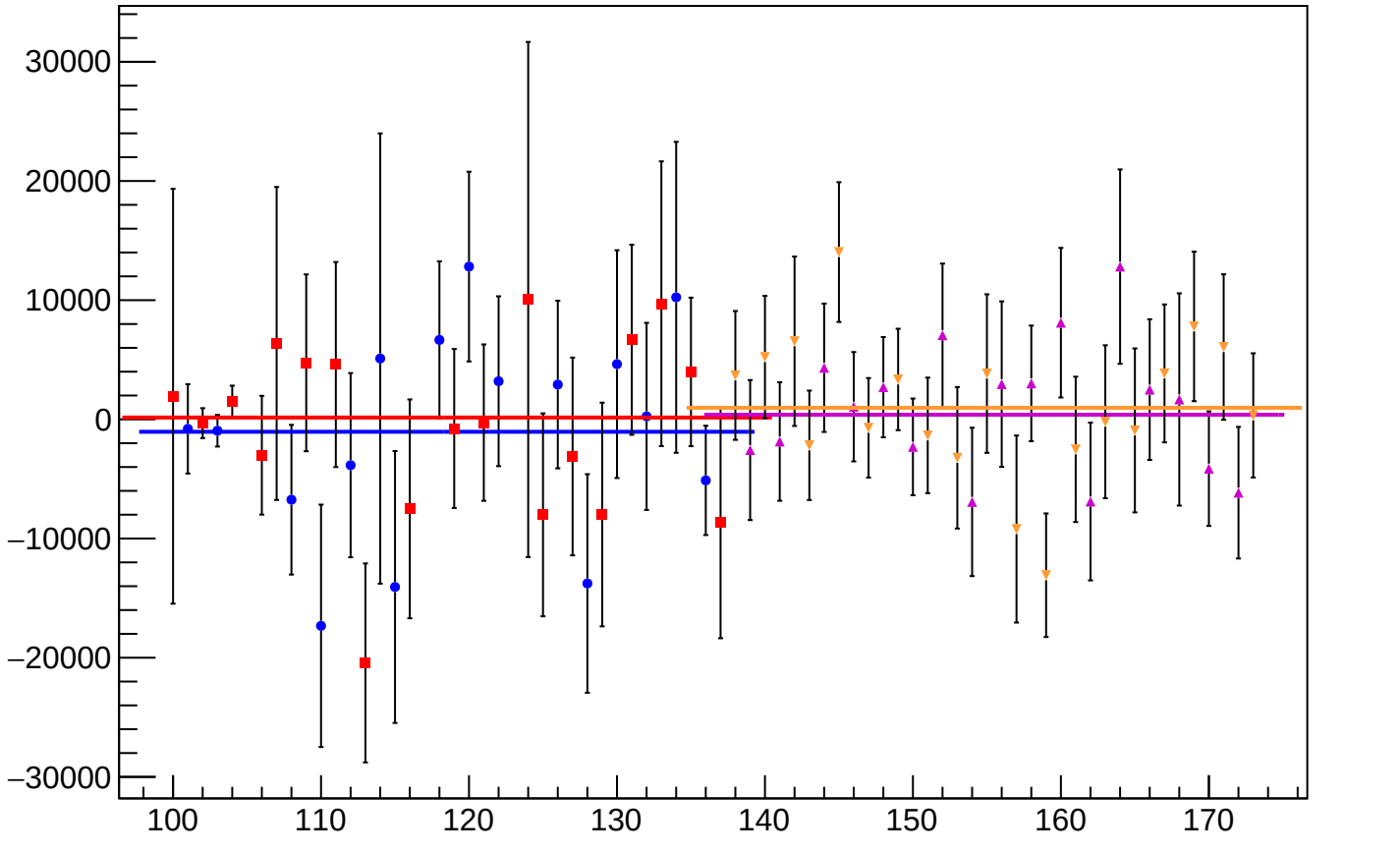
Left: 1732.521+/-0.227 χ^2/NDF: 129521.5/35

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1796.613+/-0.276 χ^2/NDF:322282.6/32

Out: 1777.128+/-0.268 χ^2/NDF:557072.2/37

All: 1786.553+/-0.192 χ^2/NDF: 881918.9/70


asym_atl1r2_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
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0
−10000
−20000
−30000
100
110
120
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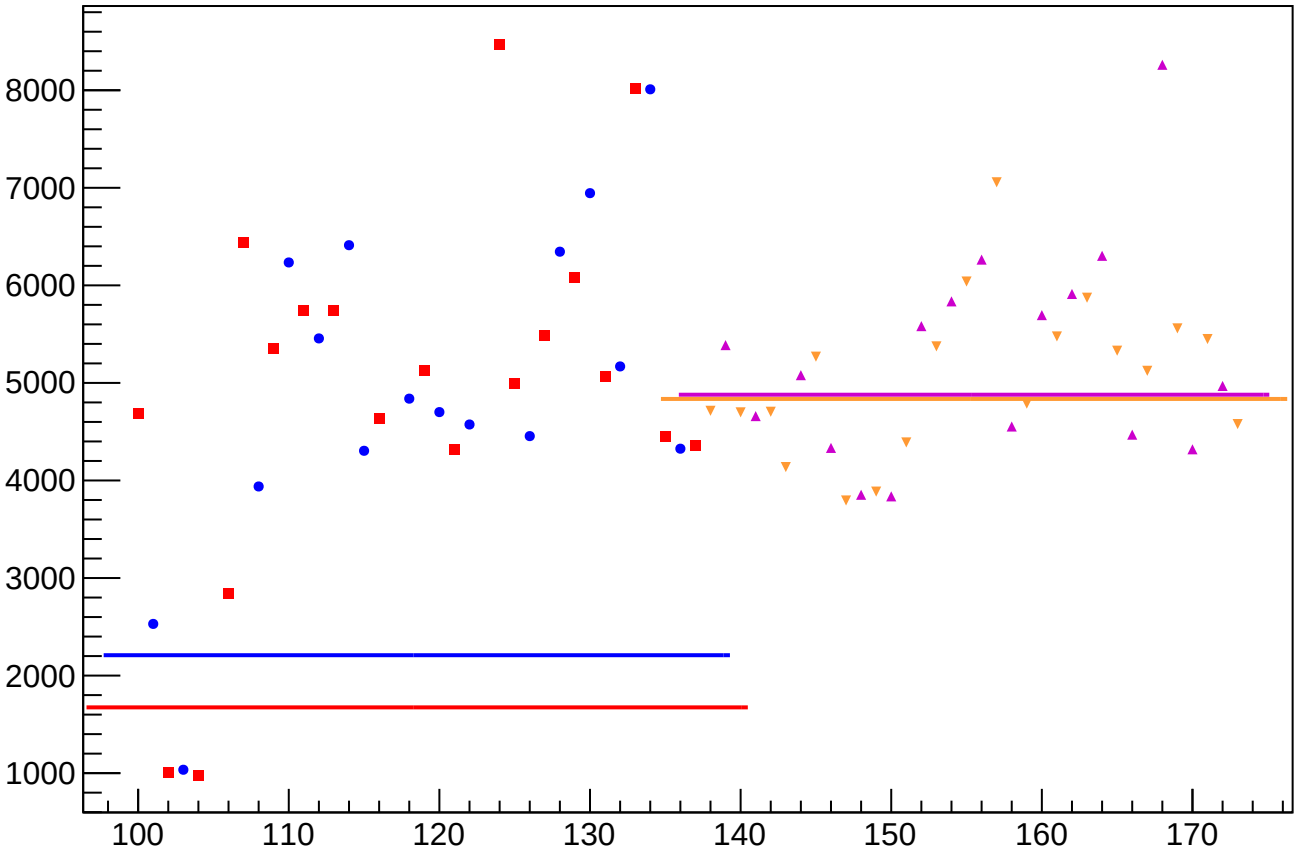
140
150
160
170
Right In: -1041.908+/-1072.406 χ²/NDF: 13.8/15
Left Out: 971.508+/-1270.690 χ²/NDF:20.0/18
Right Out: 153.619+/-835.656 χ²/NDF: 13.7/18
Left In: 391.036+/-1329.107 χ²/NDF:12.3/16
Left: 694.308+/-918.471 χ²/NDF: 32.4/35
Right: -298.053+/-659.161 χ²/NDF: 28.3/34
In: -476.875+/-834.607 χ²/NDF:26.8/32
Out: 400.552+/-698.203 χ²/NDF:34.0/37
All: 39.307+/-535.522 χ²/NDF: 61.5/70



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4835.756+/-0.899 χ^2/NDF:684934.4/18

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4879.007+/-0.940 χ^2/NDF:933122.8/16

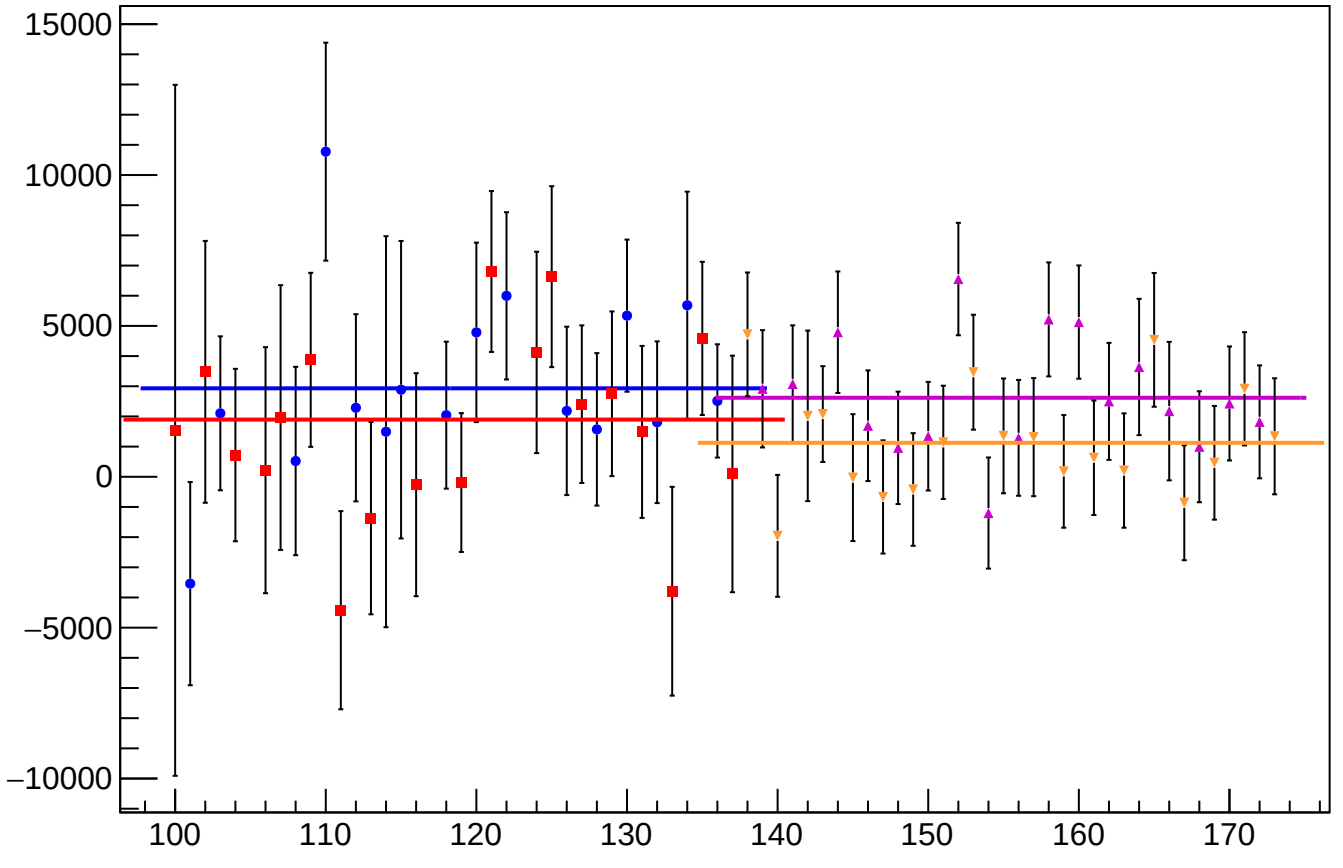
Left: 4856.410+/-0.649 χ^2/NDF: 1619163.7/35

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 3261.774+/-0.590 χ^2/NDF:11321015.4/32

Out: 2628.693+/-0.494 χ^2/NDF:16181290.8/37

All: 2889.338+/-0.379 χ^2/NDF: 28179285.0/7



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1125.512+/-444.616 χ^2/NDF:14.4/18

Right Out: 1895.508+/-721.953 χ^2/NDF: 17.4/18

Left In: 2618.350+/-466.114 χ^2/NDF:16.9/16

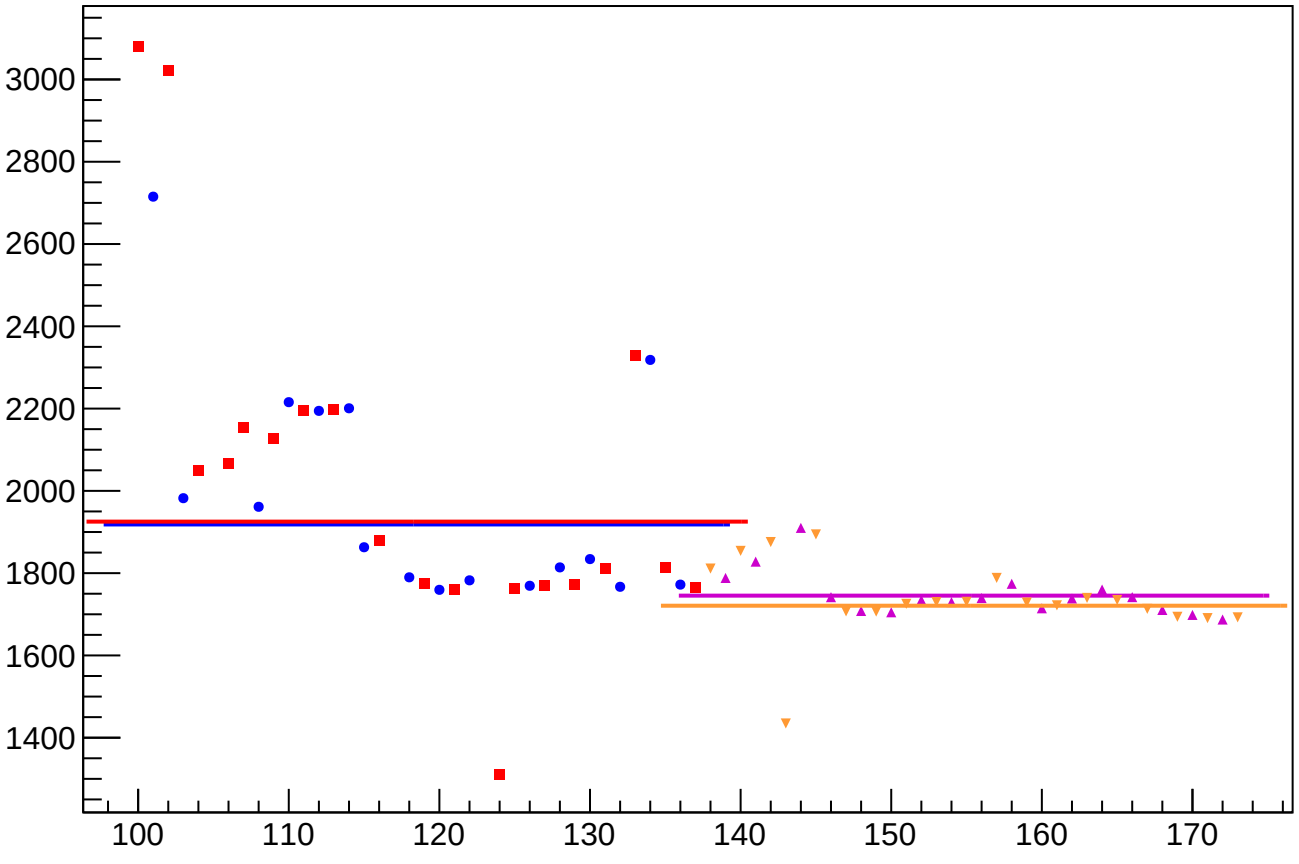
Left: 1836.712+/-321.723 χ^2/NDF: 36.7/35

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2711.197+/-391.005 χ^2/NDF:30.0/32

Out: 1337.246+/-378.582 χ^2/NDF:32.6/37

All: 2002.048+/-271.984 χ^2/NDF: 69.0/70



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1720.854+/-0.314 χ^2/NDF:101598.5/18

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1745.345+/-0.330 χ^2/NDF:25031.2/16

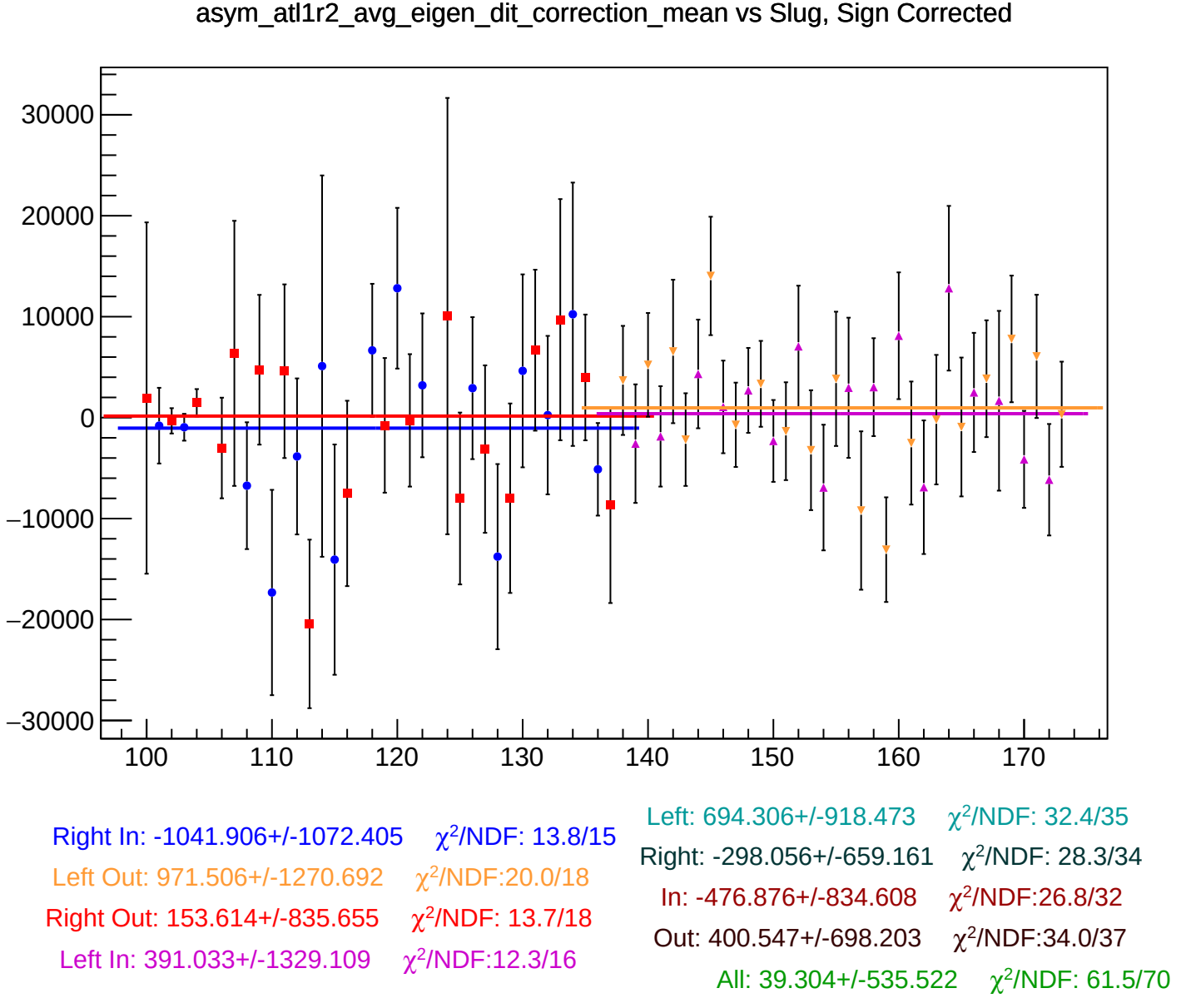
Left: 1732.522+/-0.227 χ^2/NDF: 129520.7/35

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1796.613+/-0.276 χ^2/NDF:322281.1/32

Out: 1777.128+/-0.268 χ^2/NDF:557068.7/37

All: 1786.554+/-0.192 χ^2/NDF: 881913.8/70


asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
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−10000
−20000
−30000
100
110
120
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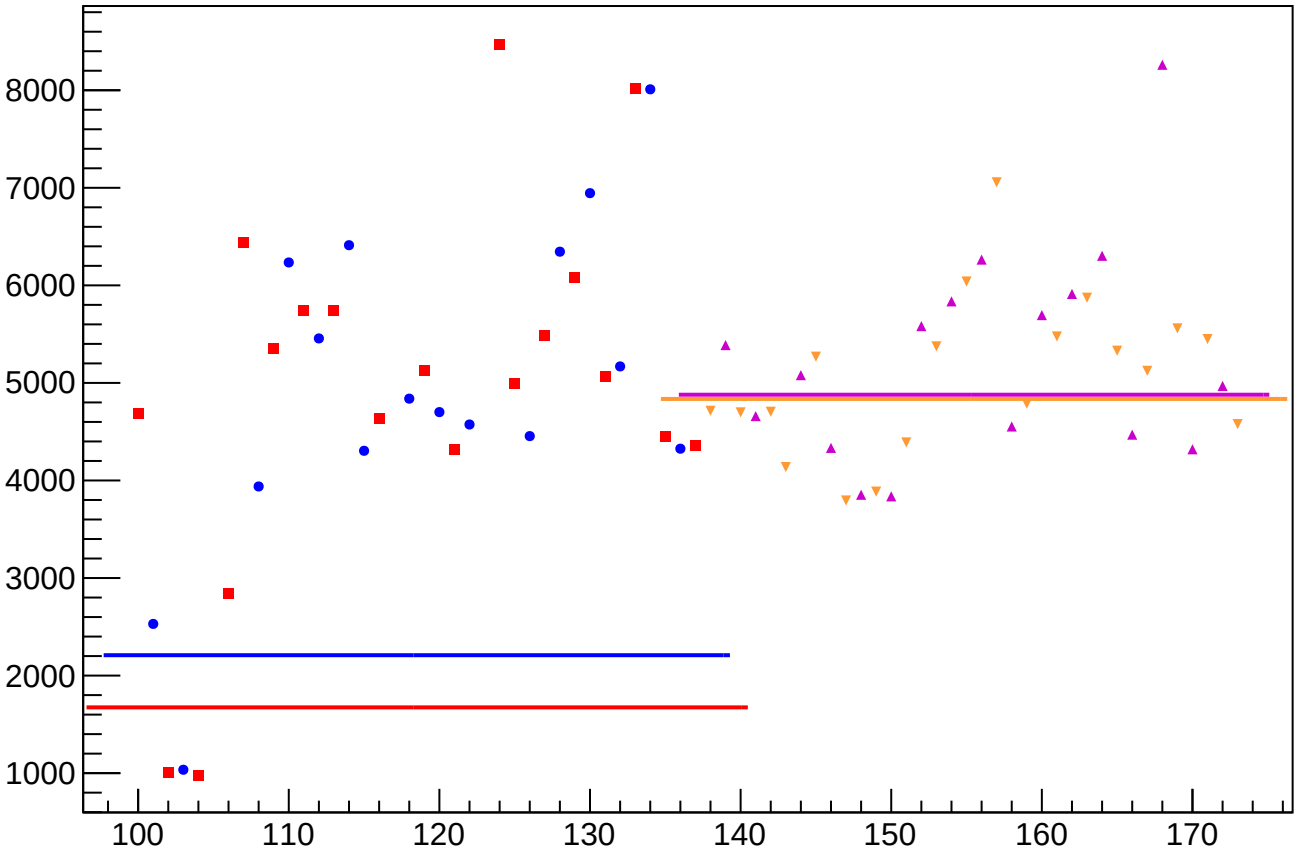
140
150
160
170
Right In: -1041.906+/-1072.405 χ²/NDF: 13.8/15
Left Out: 971.506+/-1270.692 χ²/NDF:20.0/18
Right Out: 153.614+/-835.655 χ²/NDF: 13.7/18
Left In: 391.033+/-1329.109 χ²/NDF:12.3/16
Left: 694.306+/-918.473 χ²/NDF: 32.4/35
Right: -298.056+/-659.161 χ²/NDF: 28.3/34
In: -476.876+/-834.608 χ²/NDF:26.8/32
Out: 400.547+/-698.203 χ²/NDF:34.0/37
All: 39.304+/-535.522 χ²/NDF: 61.5/70



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4835.764+/-0.899 χ^2/NDF:684933.7/18

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 4879.015+/-0.940 χ^2/NDF:933123.2/16

Left: 4856.418+/-0.649 χ^2/NDF: 1619163.4/35

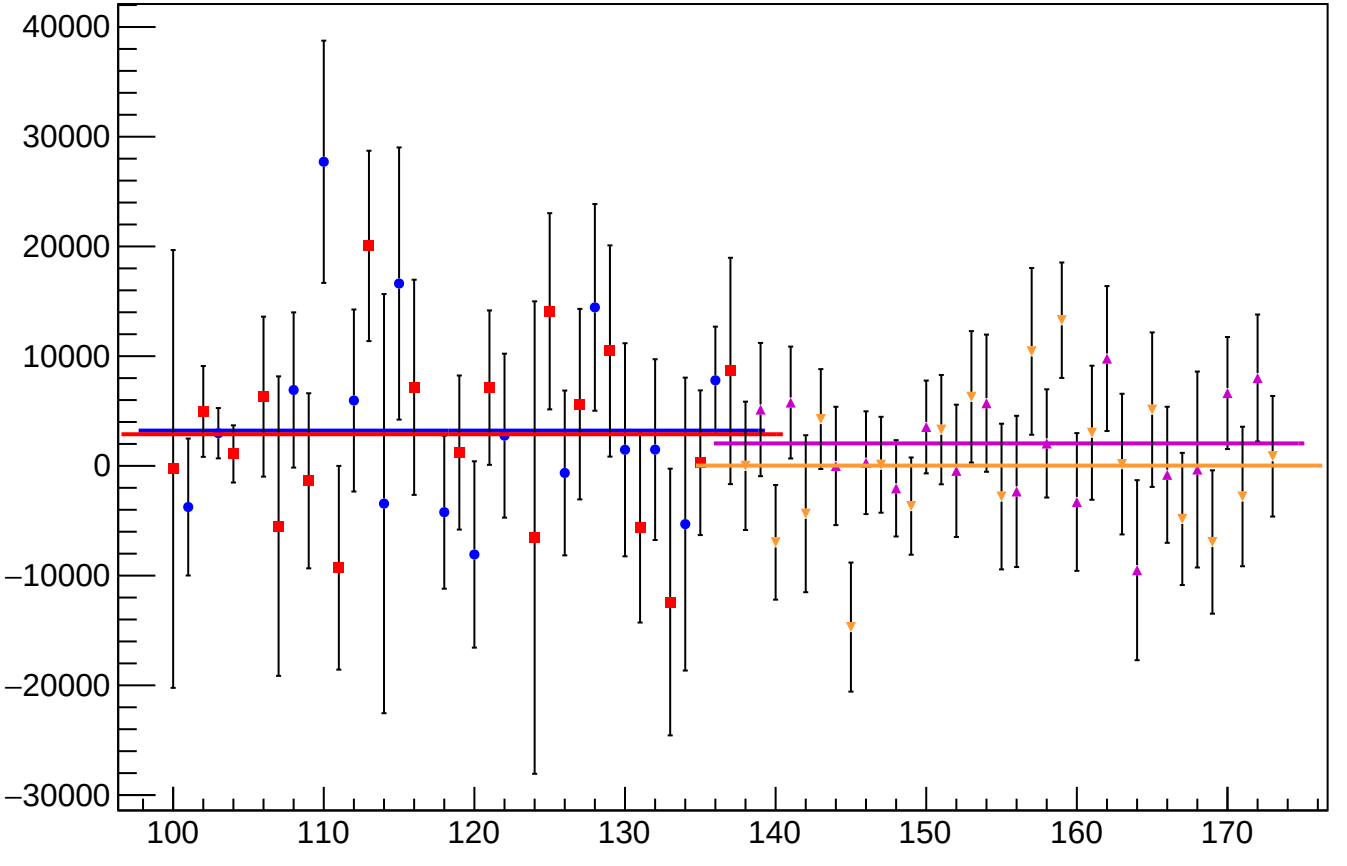
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 3261.773+/-0.590 χ^2/NDF:11321032.2/32

Out: 2628.692+/-0.494 χ^2/NDF:16181310.5/37

All: 2889.338+/-0.379 χ^2/NDF: 28179322.0/

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 29.459+/-1301.494 χ^2/NDF:22.7/18

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 2049.278+/-1362.661 χ^2/NDF:9.2/16

Left: 993.019+/-941.177 χ^2/NDF: 33.1/35

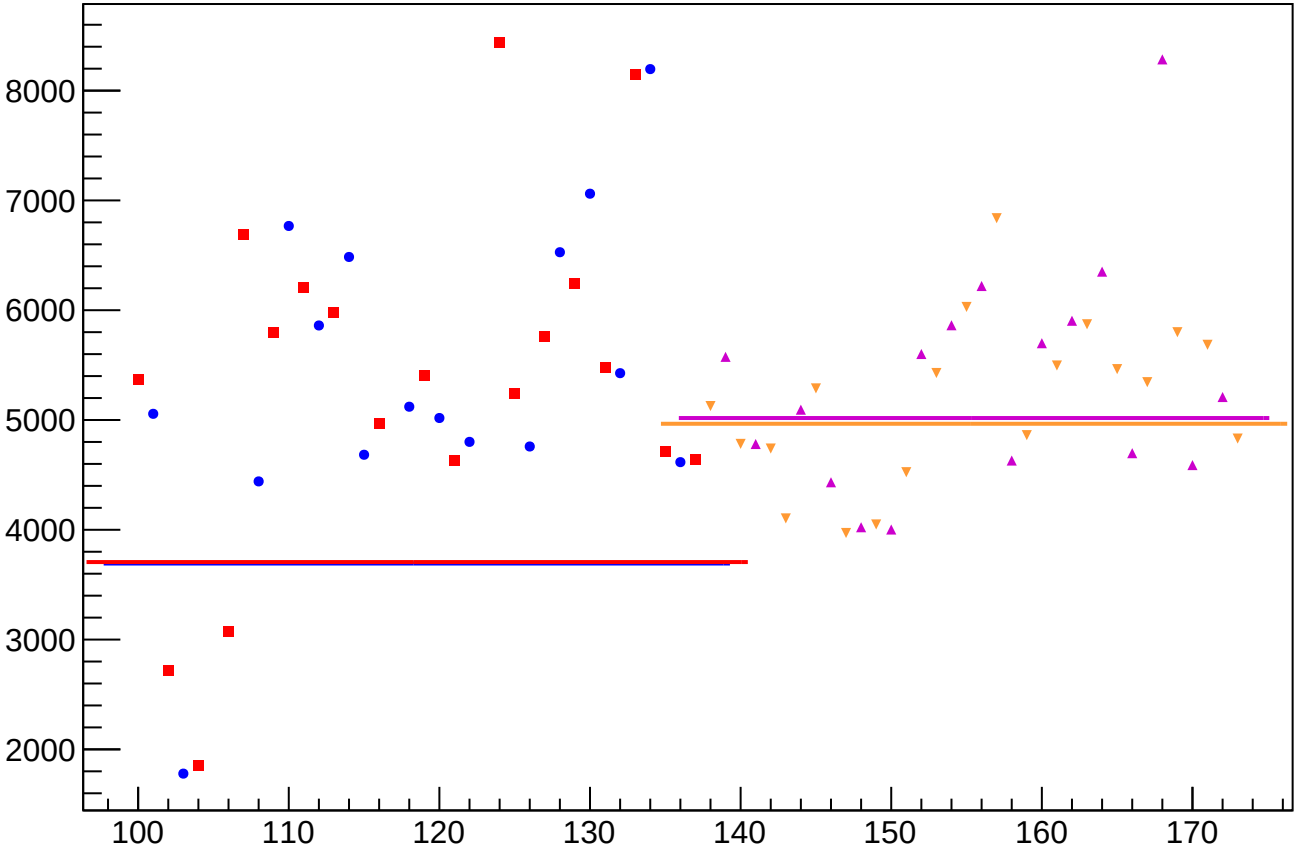
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2561.764+/-1020.297 χ^2/NDF:23.4/32

Out: 1207.698+/-997.284 χ^2/NDF:38.1/37

All: 1869.288+/-713.183 χ^2/NDF: 62.3/70

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4965.649+/-0.920 χ^2/NDF:606630.0/18

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 5017.923+/-0.964 χ^2/NDF:800872.3/16

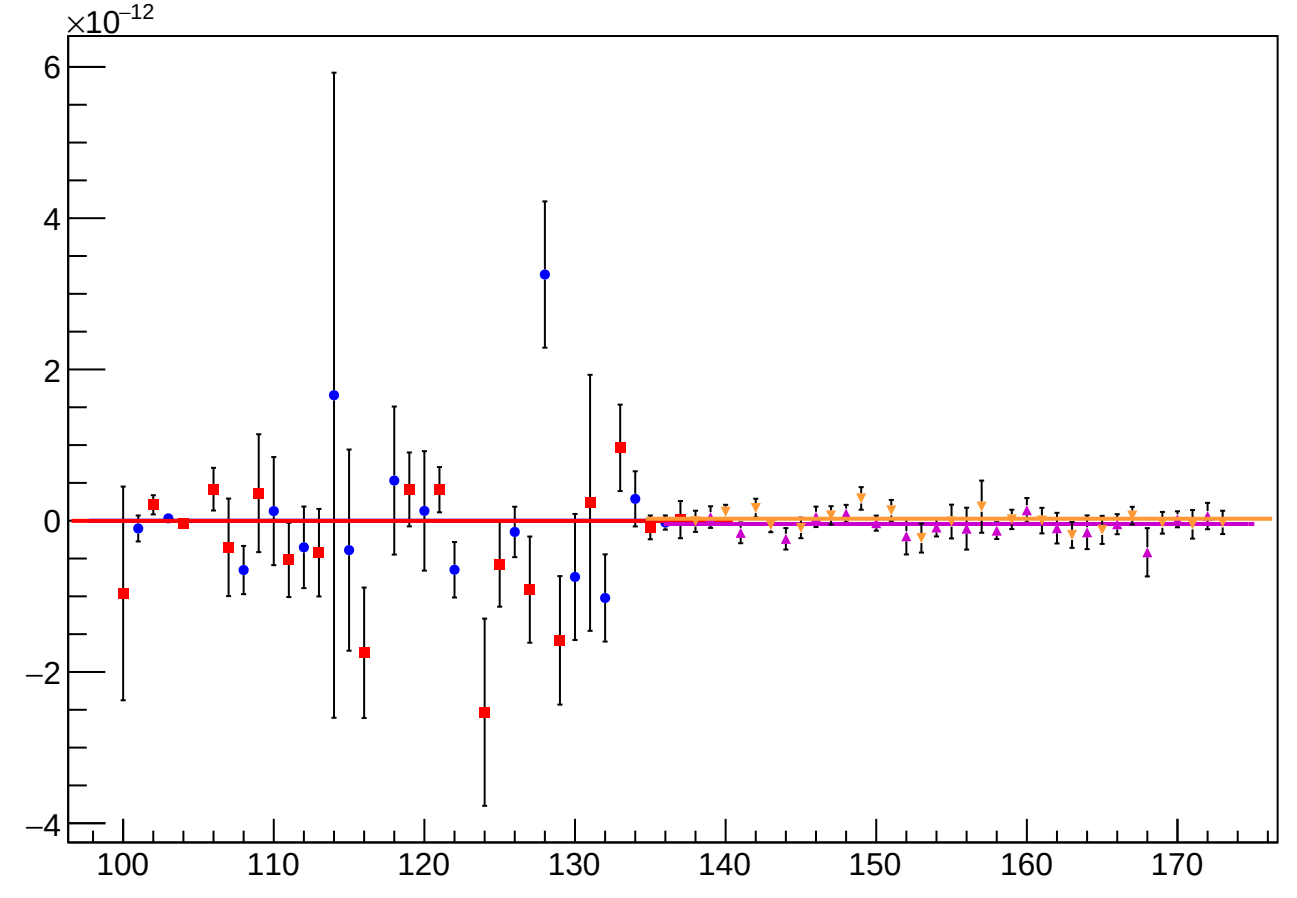
Left: 4990.587+/-0.666 χ^2/NDF: 1409041.5/35

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4435.713+/-0.721 χ^2/NDF:4517500.1/32

Out: 4439.507+/-0.702 χ^2/NDF:4073633.6/37

All: 4437.661+/-0.503 χ^2/NDF: 8591148.0/70



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.7/18

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/16

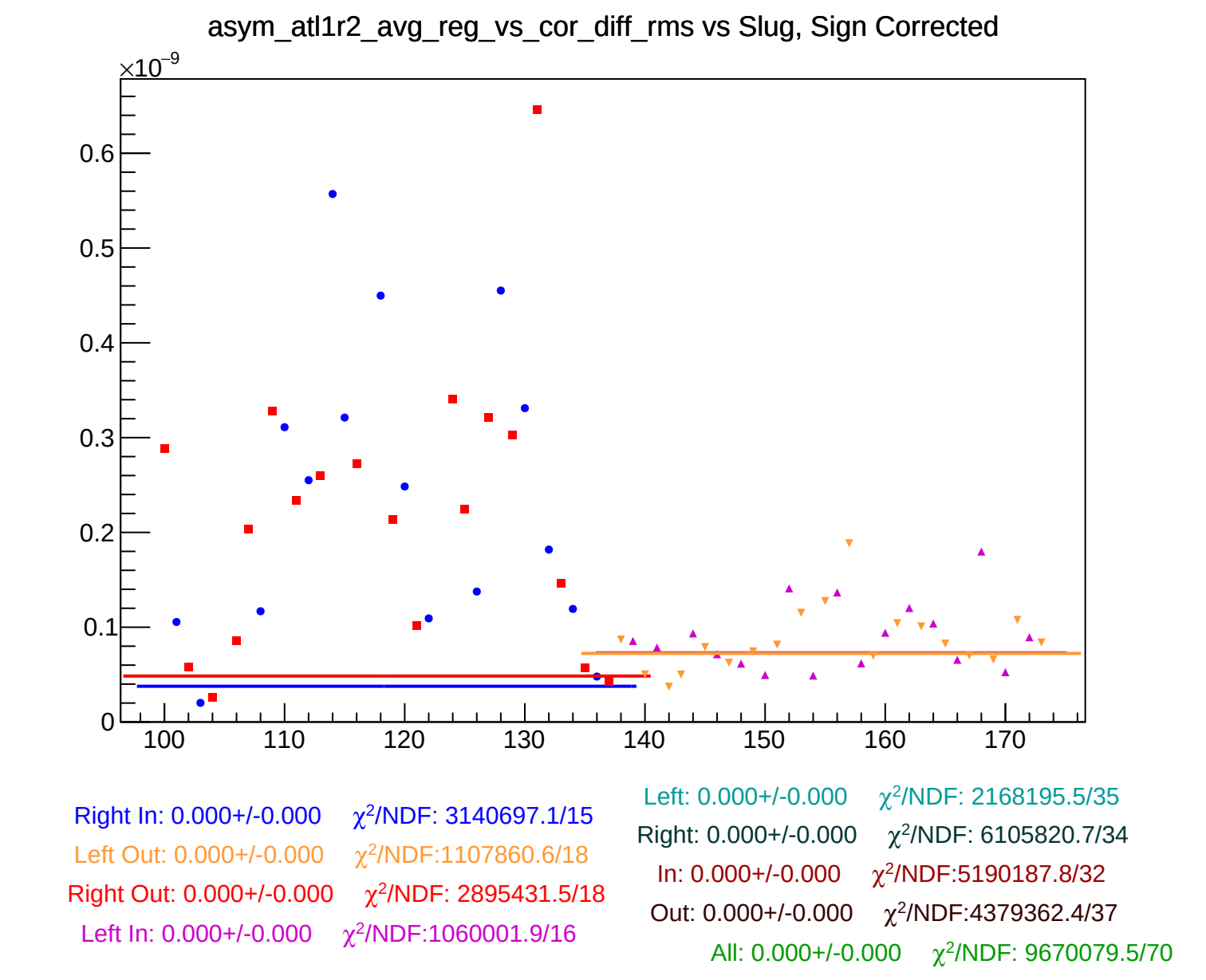
Left: -0.000+/-0.000 χ^2/NDF: 24.7/35

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

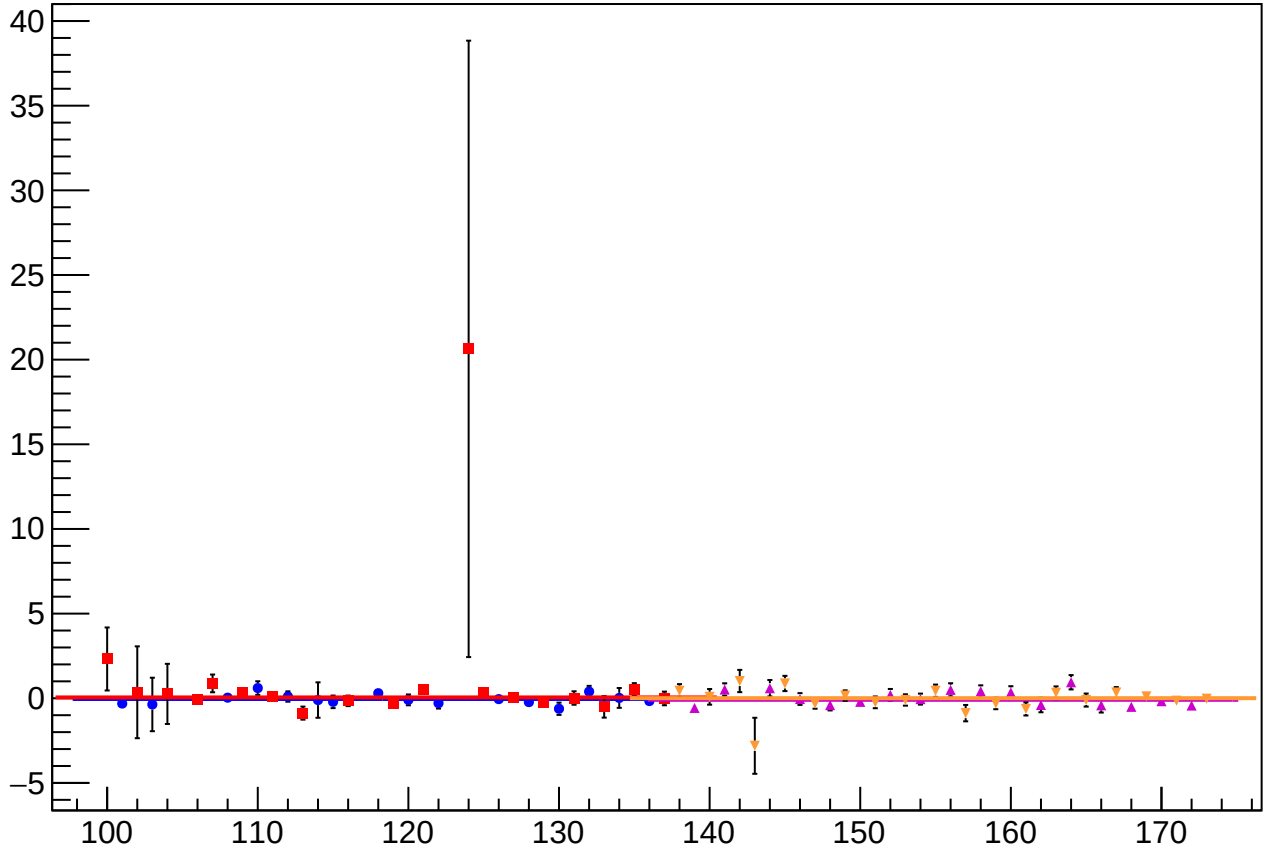
In: -0.000+/-0.000 χ^2/NDF:36.0/32

Out: 0.000+/-0.000 χ^2/NDF:41.2/37

All: -0.000+/-0.000 χ^2/NDF: 78.4/70


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
170
Right In: 0.000+/-0.000 χ²/NDF: 3140697.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1107860.6/18
Right Out: 0.000+/-0.000 χ²/NDF: 2895431.5/18
Left In: 0.000+/-0.000 χ²/NDF:1060001.9/16
Left: 0.000+/-0.000 χ²/NDF: 2168195.5/35
Right: 0.000+/-0.000 χ²/NDF: 6105820.7/34
In: 0.000+/-0.000 χ²/NDF:5190187.8/32
Out: 0.000+/-0.000 χ²/NDF:4379362.4/37
All: 0.000+/-0.000 χ²/NDF: 9670079.5/70

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: 0.005+/-0.077 χ^2/NDF:23.1/18

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.091+/-0.078 χ^2/NDF:27.0/16

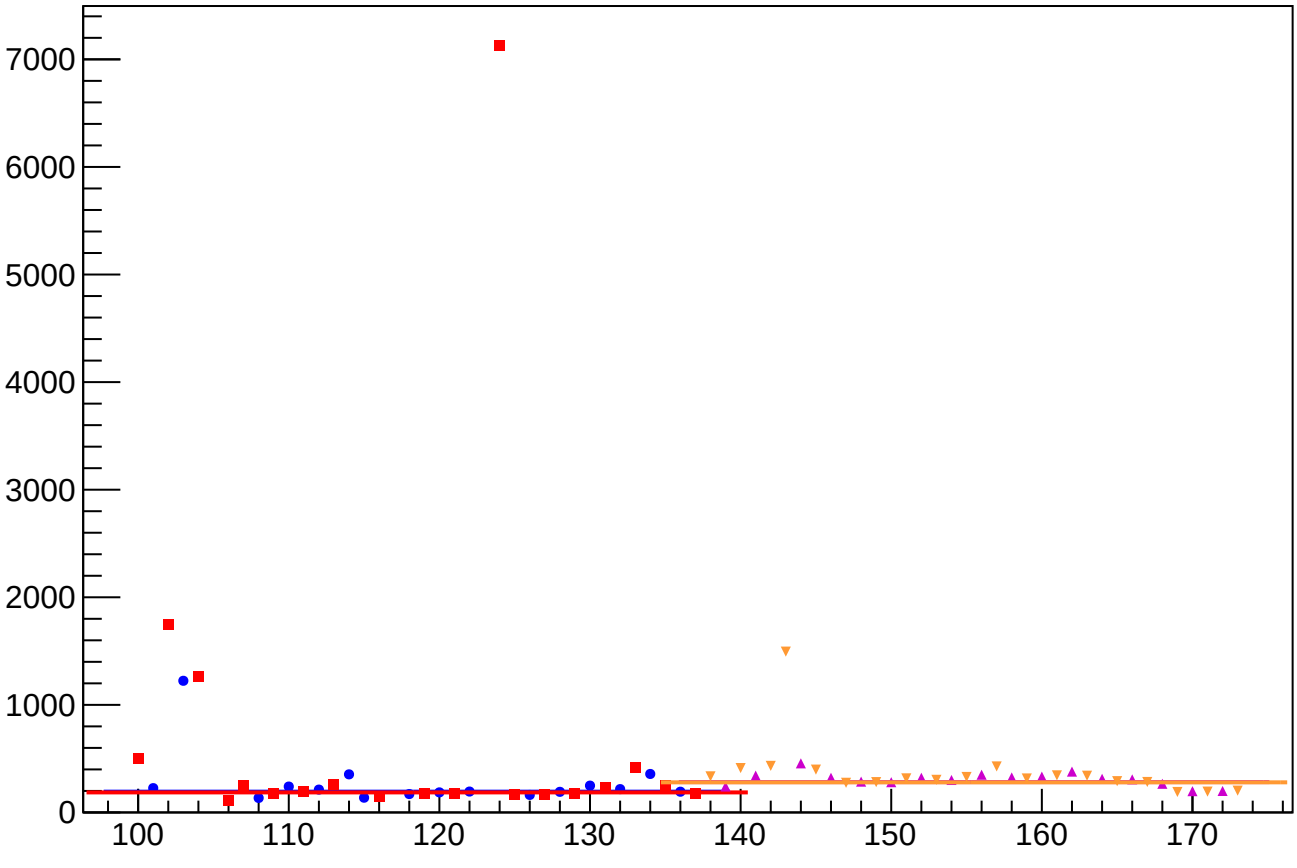
Left: -0.042+/-0.055 χ^2/NDF: 50.8/35

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.066+/-0.055 χ^2/NDF:38.9/32

Out: 0.027+/-0.055 χ^2/NDF:46.3/37

All: -0.019+/-0.039 χ^2/NDF: 86.6/70



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 279.966+/-0.055 χ^2/NDF:2791735.3/18

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 282.428+/-0.055 χ^2/NDF:1227575.0/16

Left: 281.176+/-0.039 χ^2/NDF: 4020312.6/35

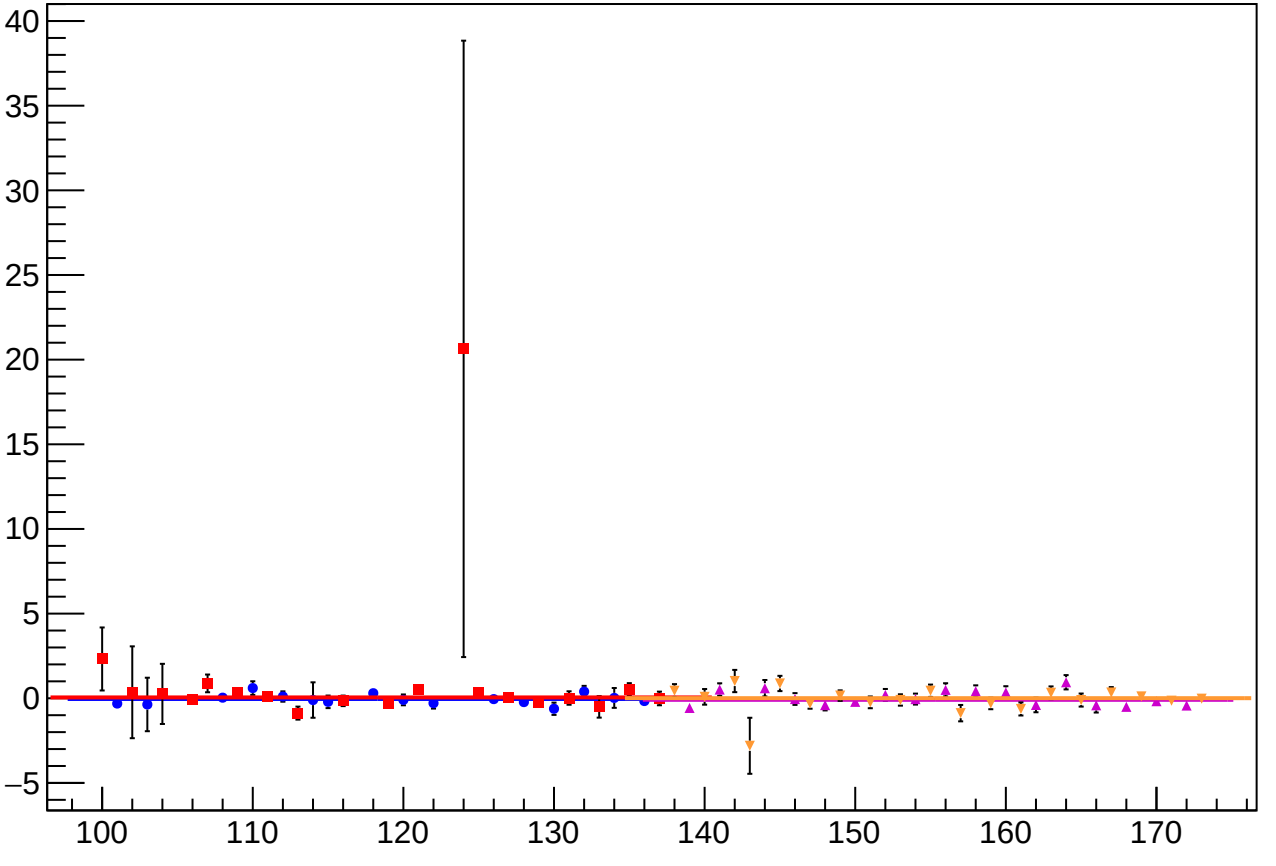
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 237.459+/-0.039 χ^2/NDF:3940255.7/32

Out: 234.196+/-0.039 χ^2/NDF:6712533.7/37

All: 235.824+/-0.028 χ^2/NDF: 10656289.9/70

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: 0.005+/-0.077 χ^2/NDF:23.1/18

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.091+/-0.078 χ^2/NDF:27.0/16

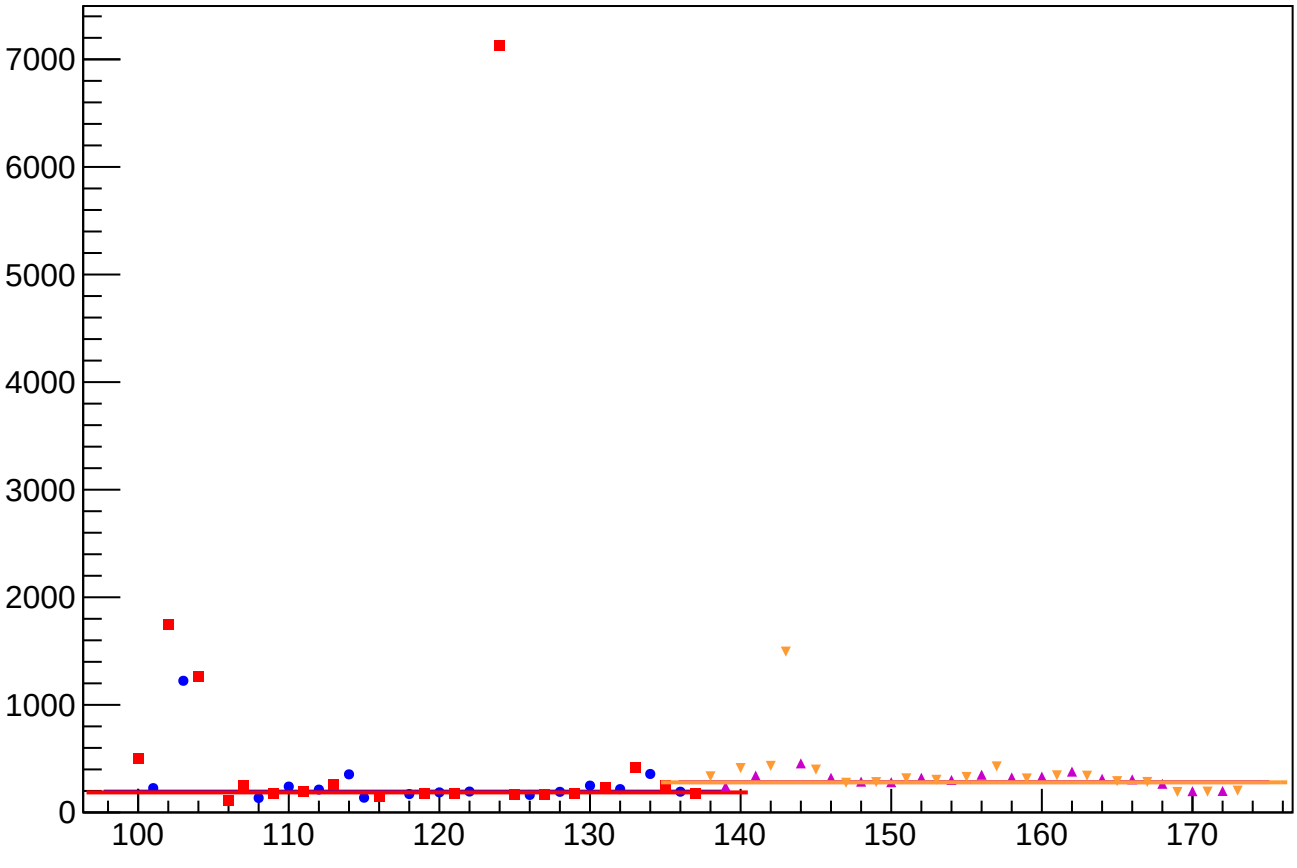
Left: -0.042+/-0.055 χ^2/NDF: 50.8/35

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.066+/-0.055 χ^2/NDF:38.9/32

Out: 0.027+/-0.055 χ^2/NDF:46.3/37

All: -0.019+/-0.039 χ^2/NDF: 86.6/70



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 279.966+/-0.055 χ^2/NDF:2791735.3/18

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 282.428+/-0.055 χ^2/NDF:1227575.0/16

Left: 281.176+/-0.039 χ^2/NDF: 4020312.6/35

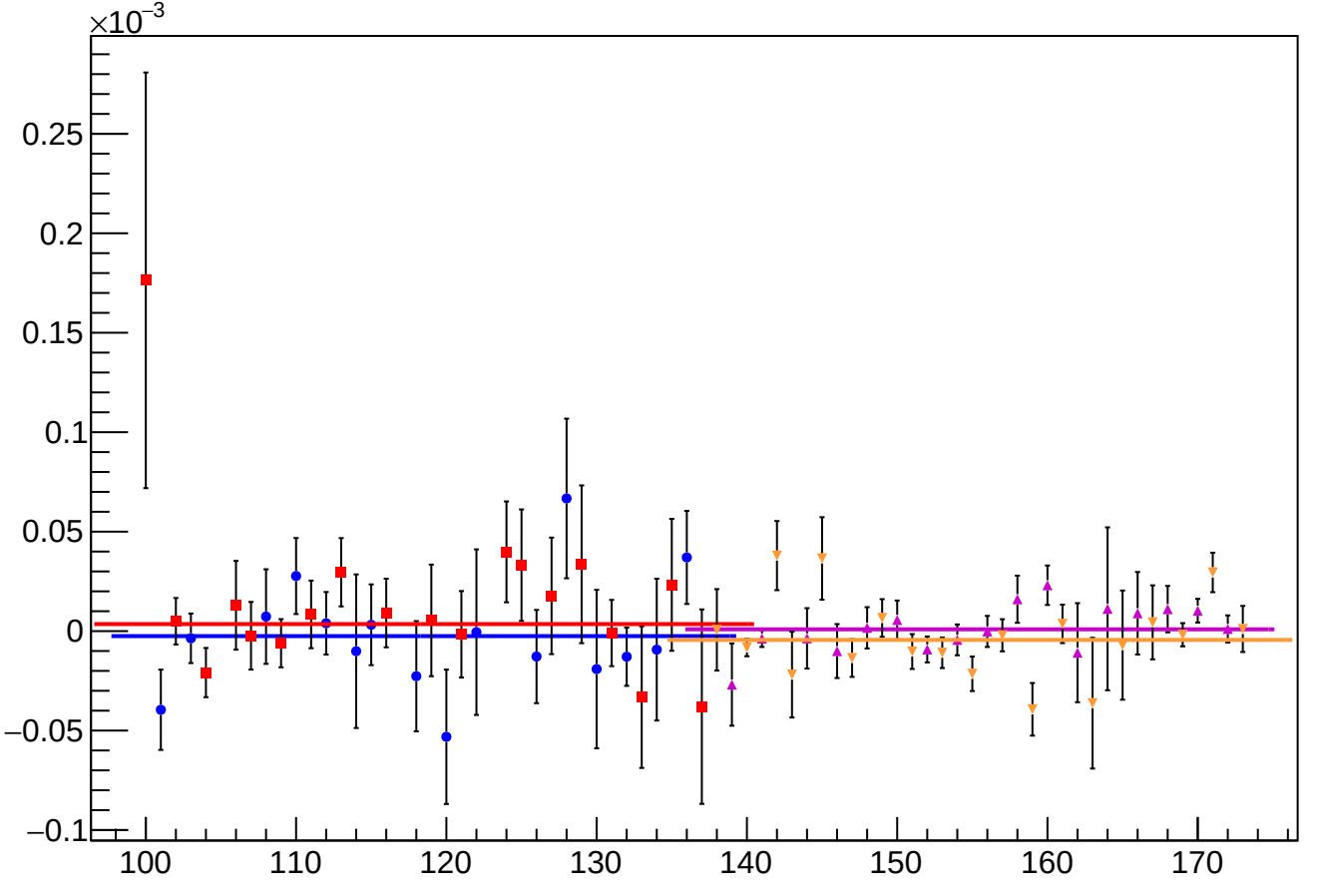
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 237.459+/-0.039 χ^2/NDF:3940255.7/32

Out: 234.196+/-0.039 χ^2/NDF:6712533.7/37

All: 235.824+/-0.028 χ^2/NDF: 10656289.9/70

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:17.1/16

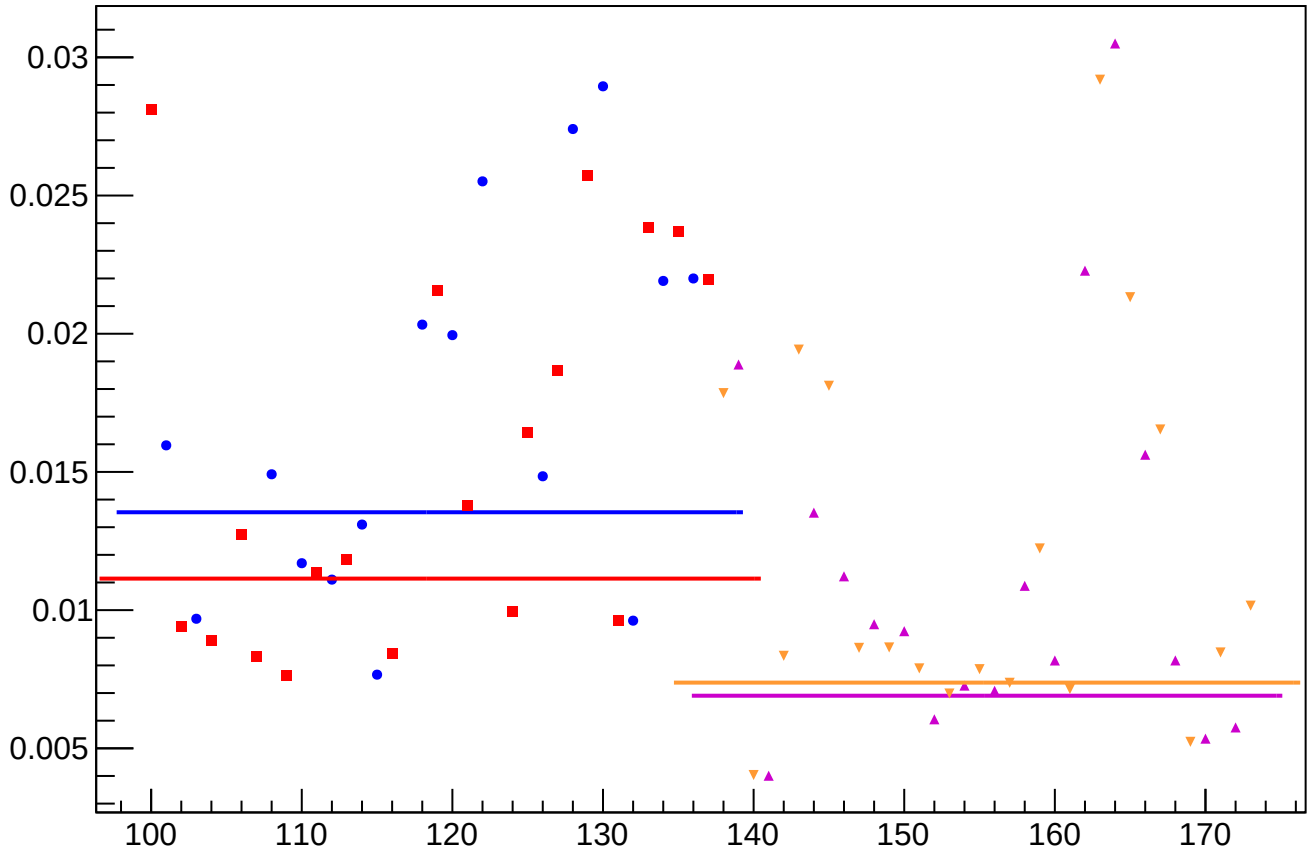
Left: -0.000+/-0.000 χ^2/NDF: 59.8/35

Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: 0.000+/-0.000 χ^2/NDF:33.3/32

Out: -0.000+/-0.000 χ^2/NDF:58.5/37

All: -0.000+/-0.000 χ^2/NDF: 93.3/70



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:5500376.6/18

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:4709573.8/16

Left: 0.007+/-0.000 χ^2/NDF: 10258678.3/35

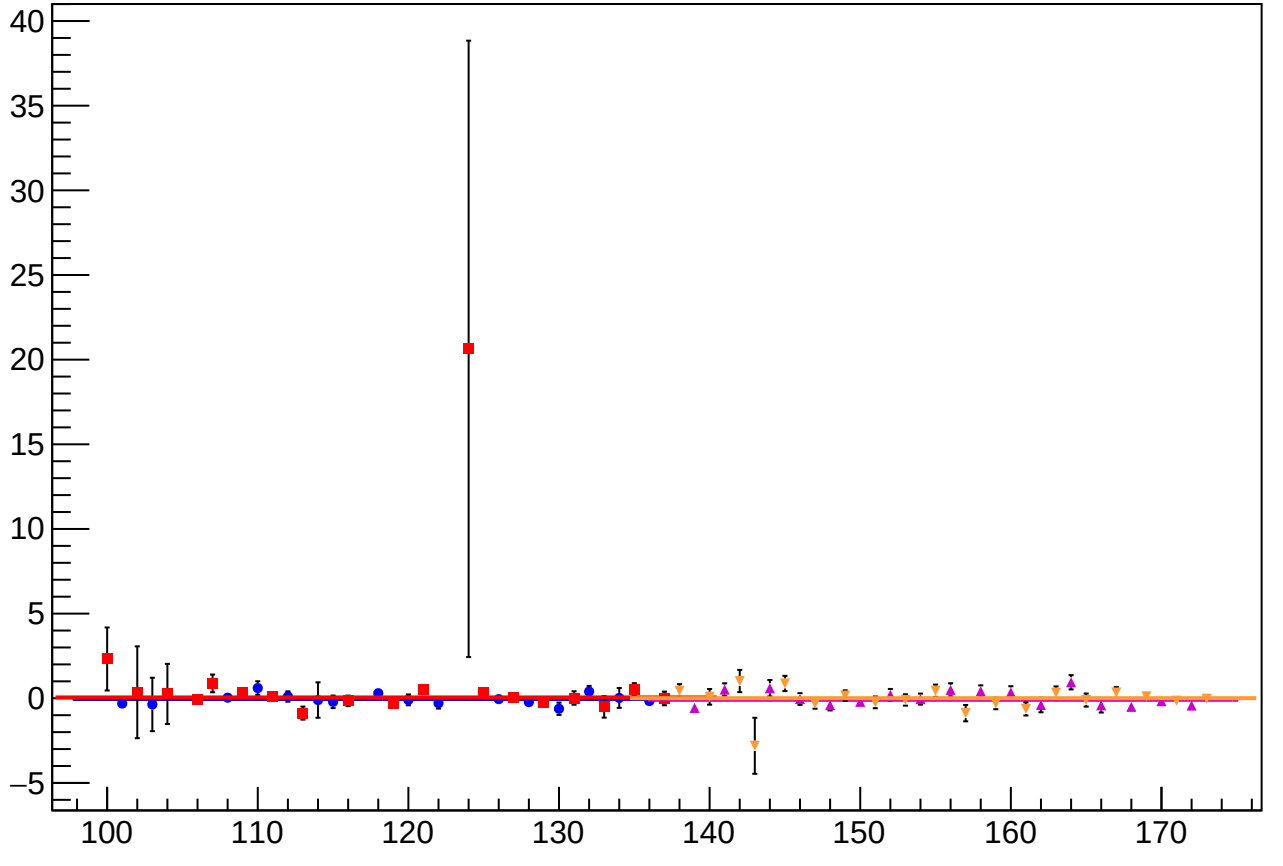
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:9161203.8/32

Out: 0.008+/-0.000 χ^2/NDF:8536772.5/37

All: 0.008+/-0.000 χ^2/NDF: 17725120.2/70

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: 0.005+/-0.077 χ^2/NDF:23.1/18

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.091+/-0.078 χ^2/NDF:27.0/16

Left: -0.042+/-0.055 χ^2/NDF: 50.8/35

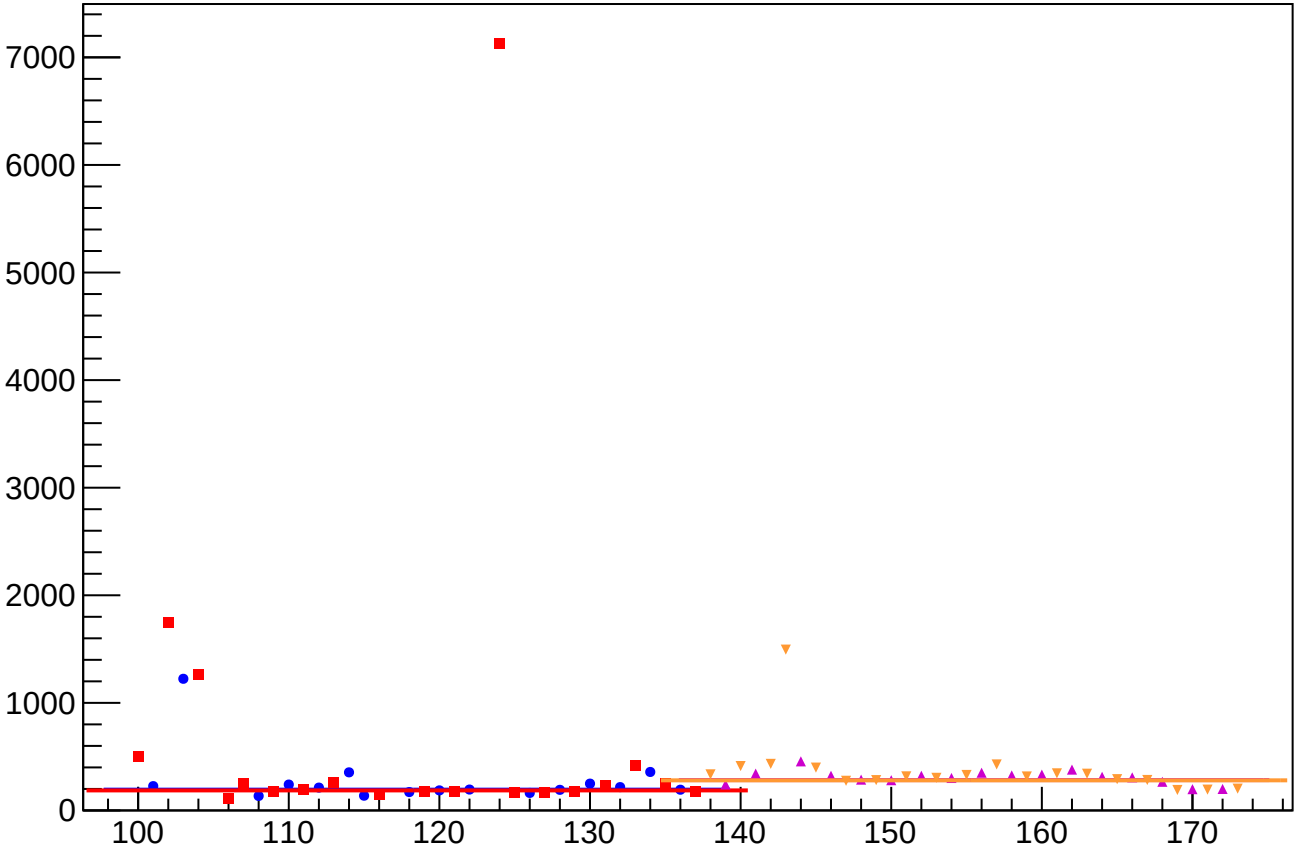
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.066+/-0.055 χ^2/NDF:38.9/32

Out: 0.027+/-0.055 χ^2/NDF:46.3/37

All: -0.019+/-0.039 χ^2/NDF: 86.6/70

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: 279.969+/-0.055 χ^2/NDF:2791808.4/18

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 282.431+/-0.055 χ^2/NDF:1227613.9/16

Left: 281.179+/-0.039 χ^2/NDF: 4020425.3/35

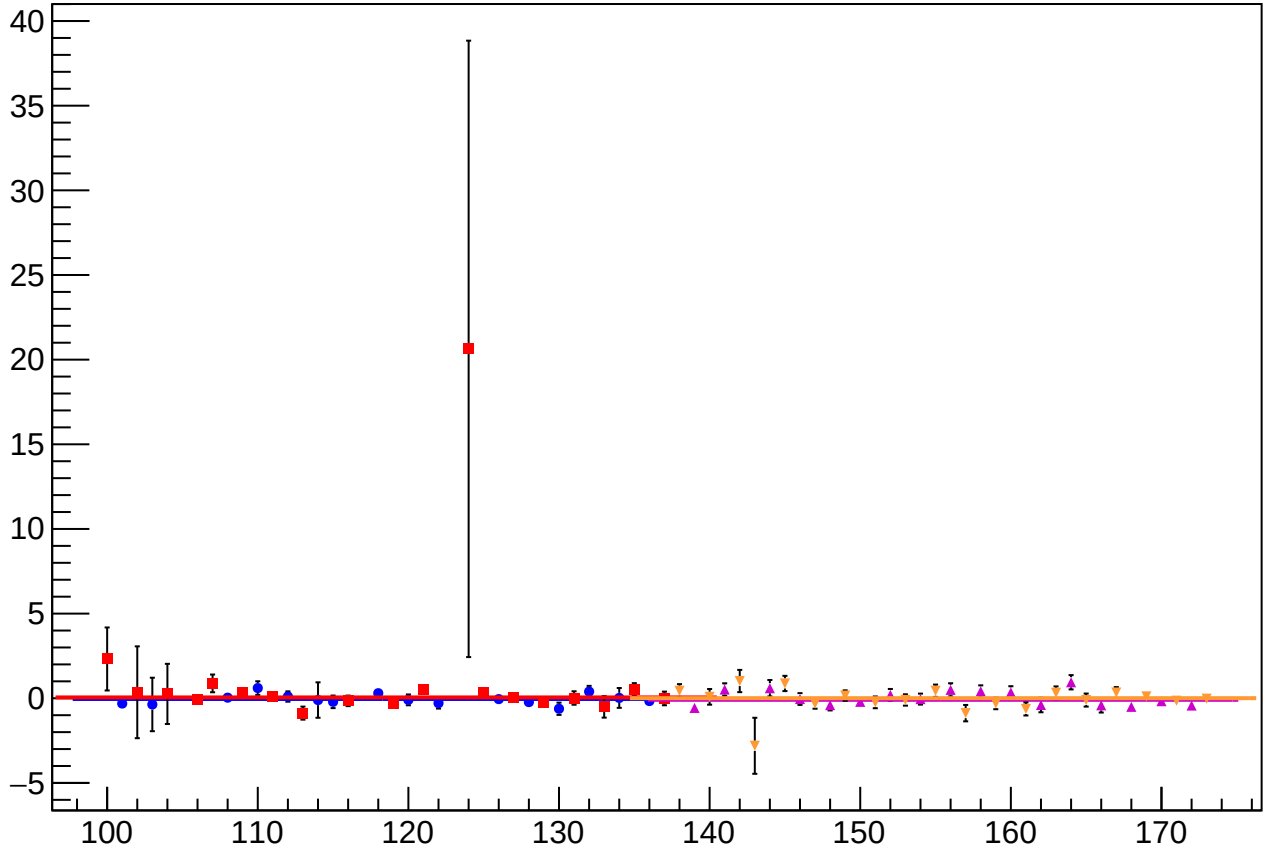
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 237.459+/-0.039 χ^2/NDF:3940421.8/32

Out: 234.195+/-0.039 χ^2/NDF:6712777.9/37

All: 235.824+/-0.028 χ^2/NDF: 10656701.9/70

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: 0.005+/-0.077 χ^2/NDF:23.1/18

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.091+/-0.078 χ^2/NDF:27.0/16

Left: -0.042+/-0.055 χ^2/NDF: 50.8/35

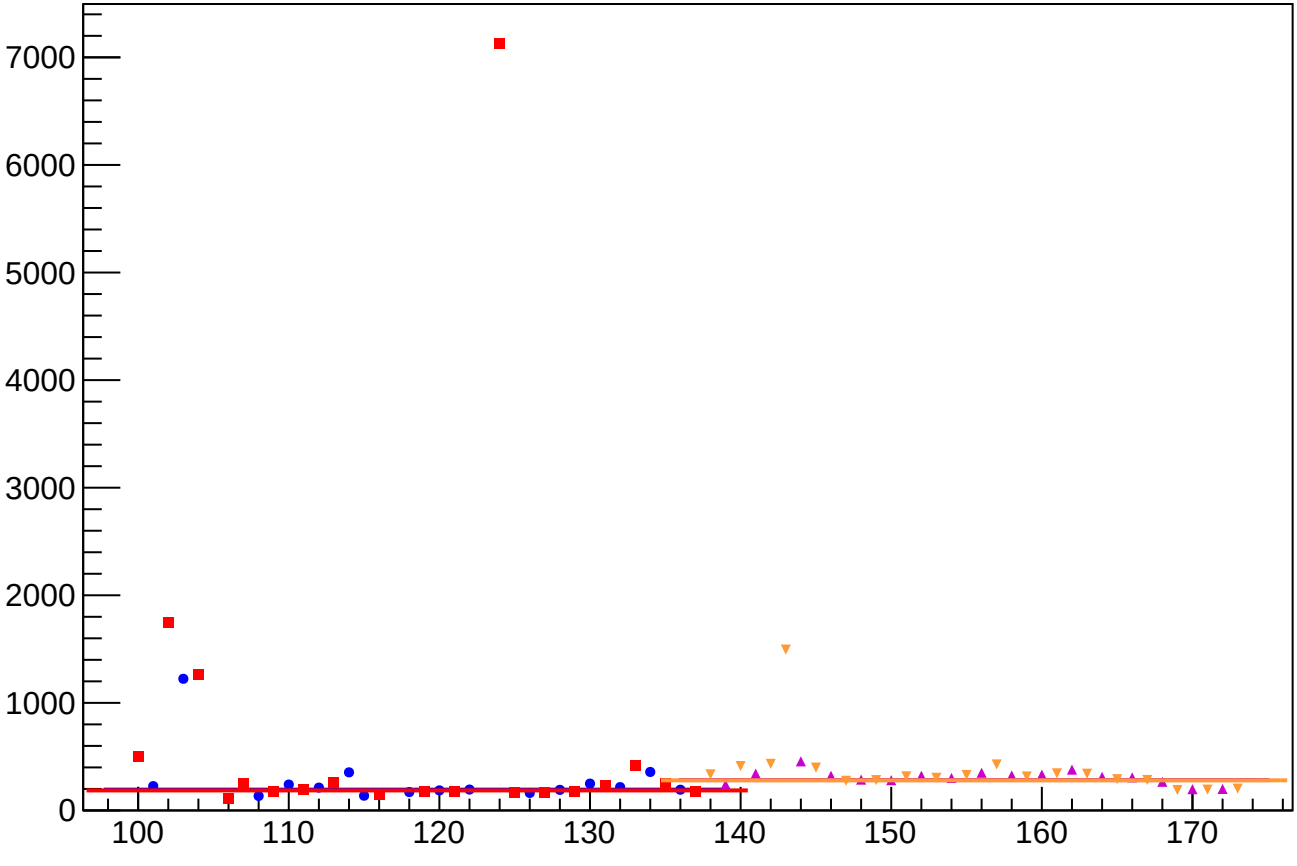
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.066+/-0.055 χ^2/NDF:38.9/32

Out: 0.027+/-0.055 χ^2/NDF:46.3/37

All: -0.019+/-0.039 χ^2/NDF: 86.6/70

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: 279.969+/-0.055 χ^2/NDF:2791808.4/18

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 282.431+/-0.055 χ^2/NDF:1227613.9/16

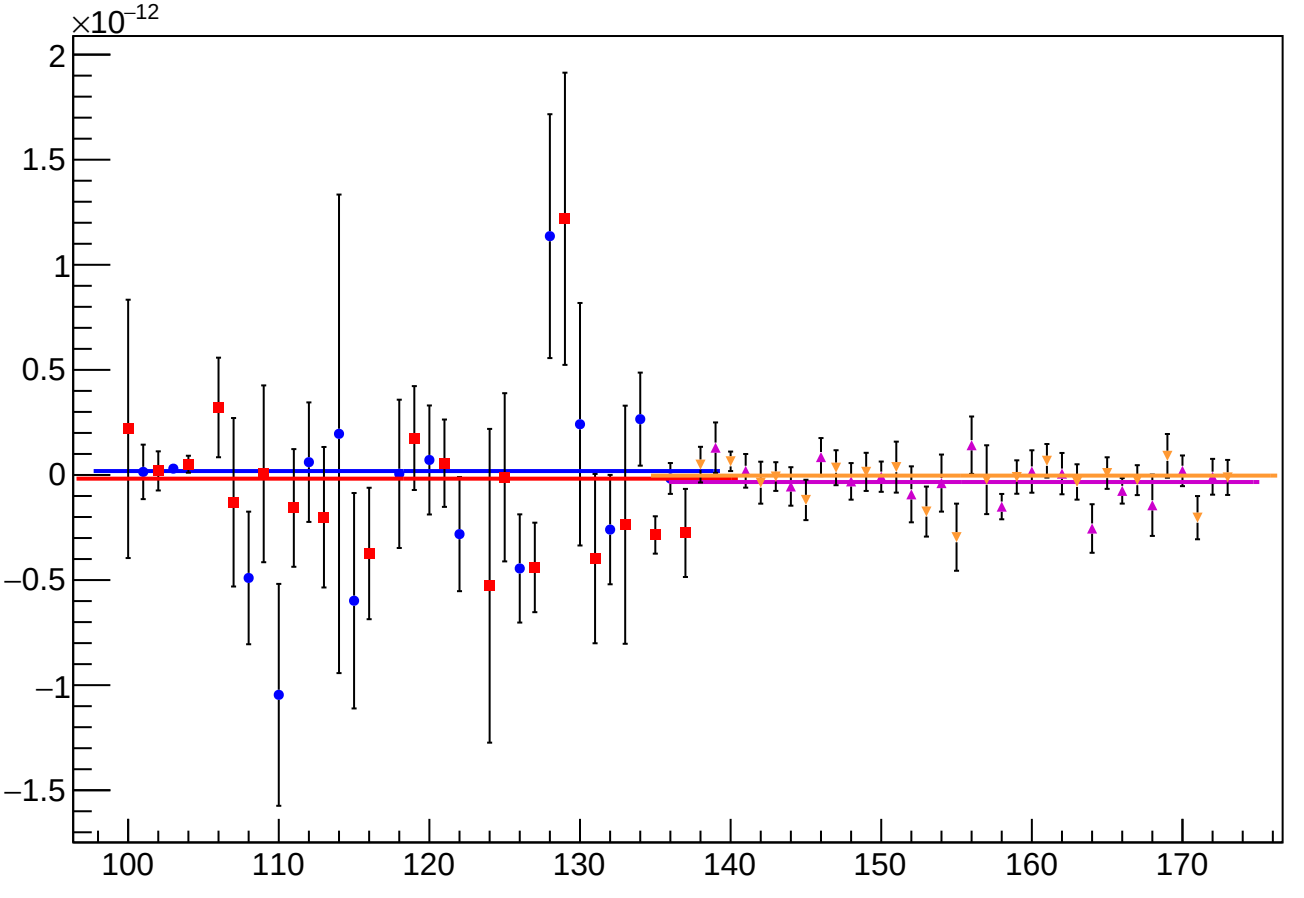
Left: 281.179+/-0.039 χ^2/NDF: 4020425.3/35

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 237.459+/-0.039 χ^2/NDF:3940421.8/32

Out: 234.195+/-0.039 χ^2/NDF:6712777.9/37

All: 235.824+/-0.028 χ^2/NDF: 10656701.9/70



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.5/18

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:15.6/16

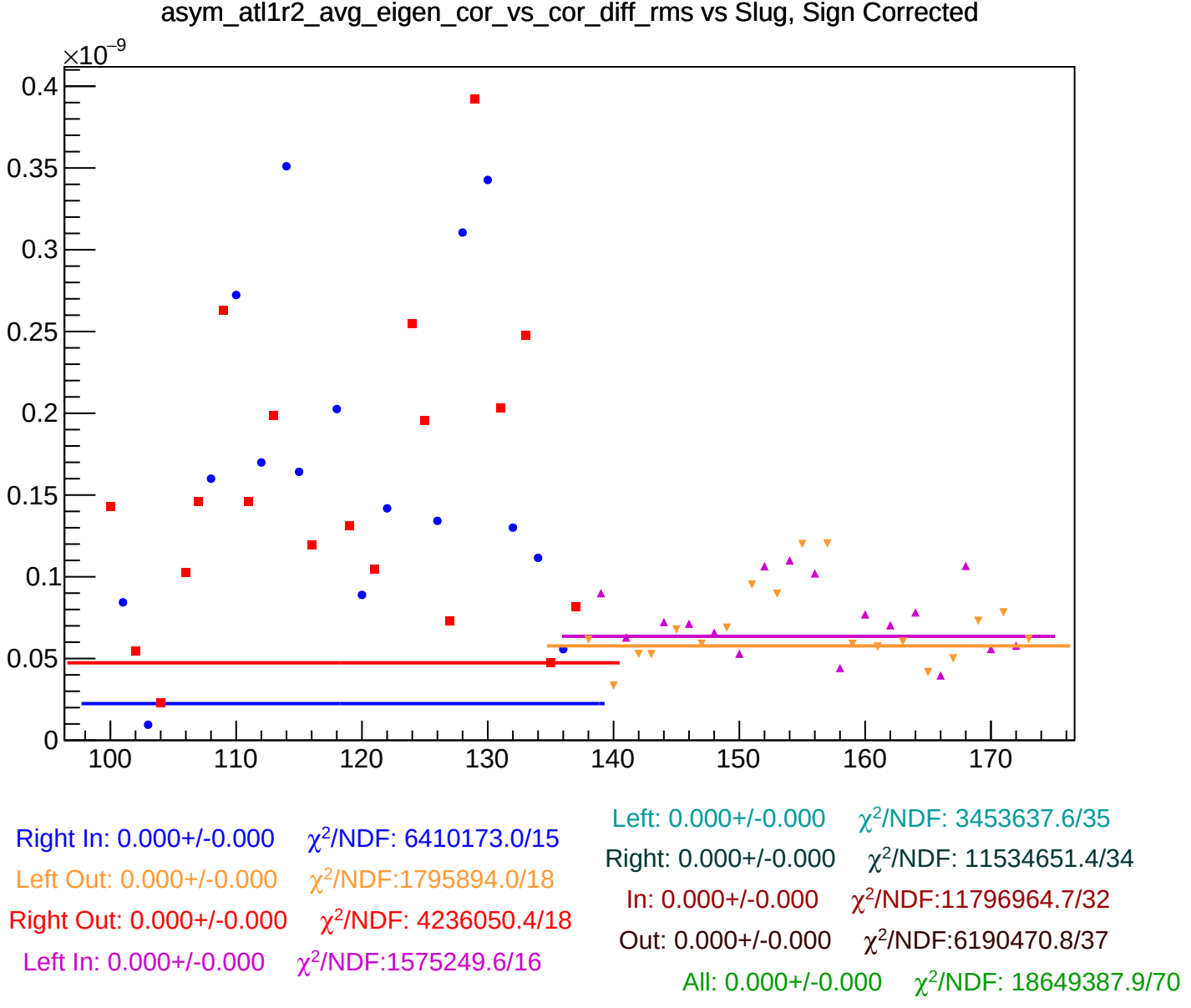
Left: -0.000+/-0.000 χ^2/NDF: 32.2/35

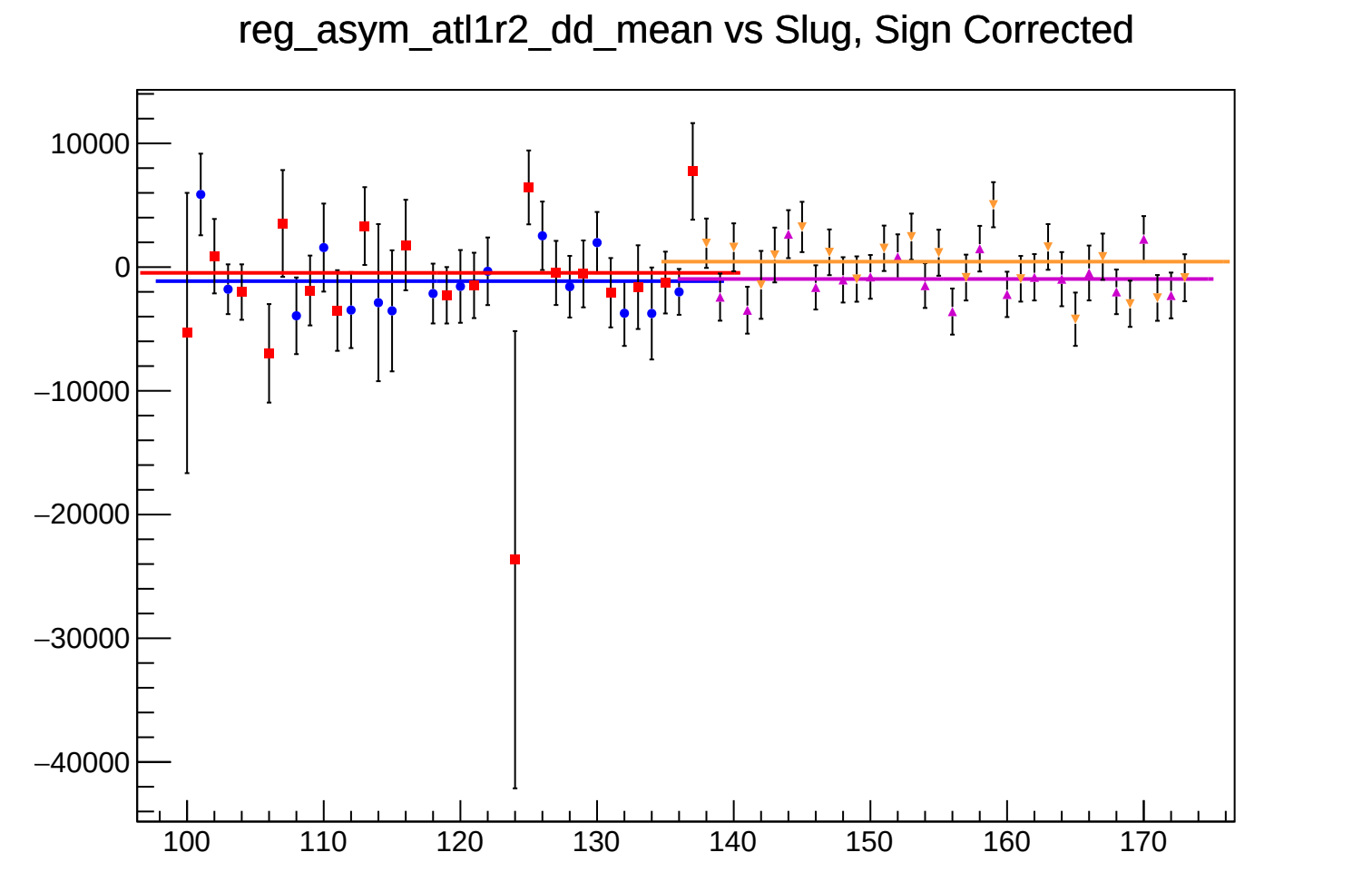
Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: -0.000+/-0.000 χ^2/NDF:38.0/32

Out: -0.000+/-0.000 χ^2/NDF:42.8/37

All: -0.000+/-0.000 χ^2/NDF: 80.9/70


asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 6410173.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1795894.0/18
Right Out: 0.000+/-0.000 χ²/NDF: 4236050.4/18
Left In: 0.000+/-0.000 χ²/NDF:1575249.6/16
Left: 0.000+/-0.000 χ²/NDF: 3453637.6/35
Right: 0.000+/-0.000 χ²/NDF: 11534651.4/34
In: 0.000+/-0.000 χ²/NDF:11796964.7/32
Out: 0.000+/-0.000 χ²/NDF:6190470.8/37
All: 0.000+/-0.000 χ²/NDF: 18649387.9/70



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 441.491+/-442.985 χ^2/NDF:24.6/18

Right Out: -465.519+/-705.926 χ^2/NDF: 20.0/18

Left In: -961.235+/-455.392 χ^2/NDF:15.2/16

Left: -240.504+/-317.533 χ^2/NDF: 44.6/35

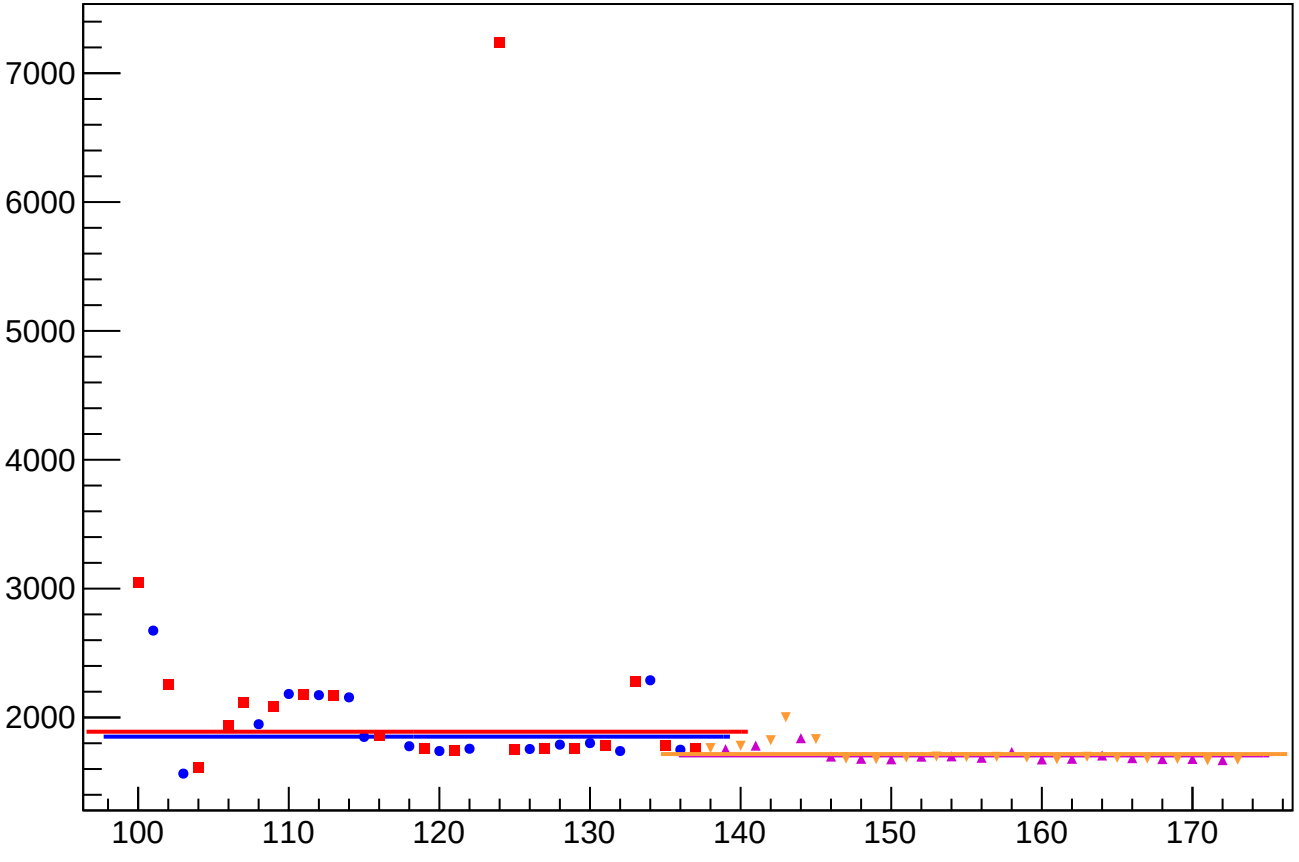
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -1013.447+/-380.705 χ^2/NDF:27.5/32

Out: 185.234+/-375.224 χ^2/NDF:45.8/37

All: -405.417+/-267.240 χ^2/NDF: 78.3/70

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1716.058+/-0.313 χ^2/NDF:55003.9/18

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1705.499+/-0.322 χ^2/NDF:18582.7/16

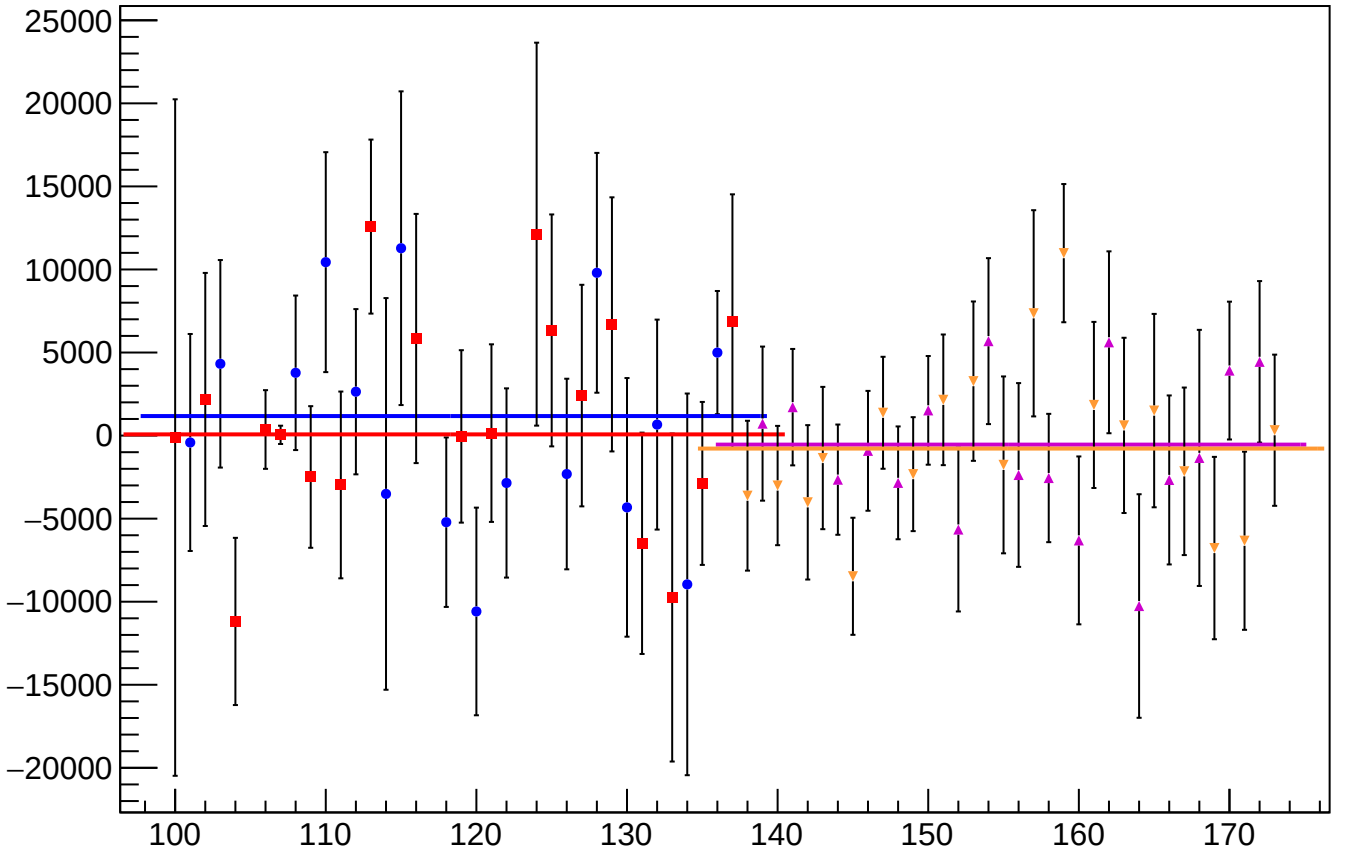
Left: 1710.925+/-0.225 χ^2/NDF: 74139.1/35

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1749.351+/-0.269 χ^2/NDF:340152.6/32

Out: 1765.232+/-0.265 χ^2/NDF:500843.7/37

All: 1757.411+/-0.189 χ^2/NDF: 842762.8/70



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -781.740+/-1015.720 χ^2/NDF:20.6/18

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: -543.937+/-1049.945 χ^2/NDF:11.8/16

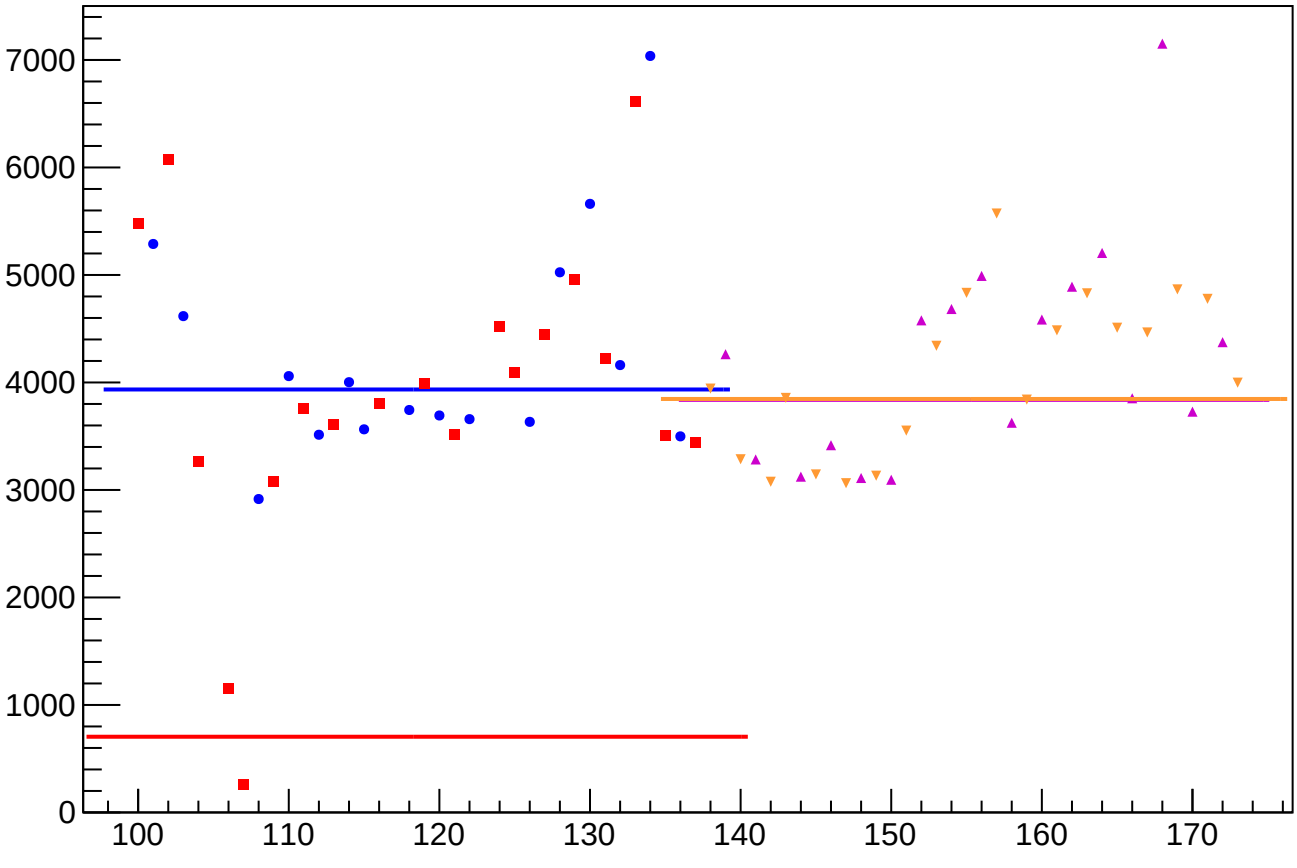
Left: -666.777+/-730.022 χ^2/NDF: 32.4/35

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 20.377+/-860.564 χ^2/NDF:26.4/32

Out: -97.037+/-452.691 χ^2/NDF:39.1/37

All: -71.588+/-400.640 χ^2/NDF: 65.5/70



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3846.451+/-0.718 χ^2/NDF:924047.5/18

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3838.009+/-0.742 χ^2/NDF:1172412.6/16

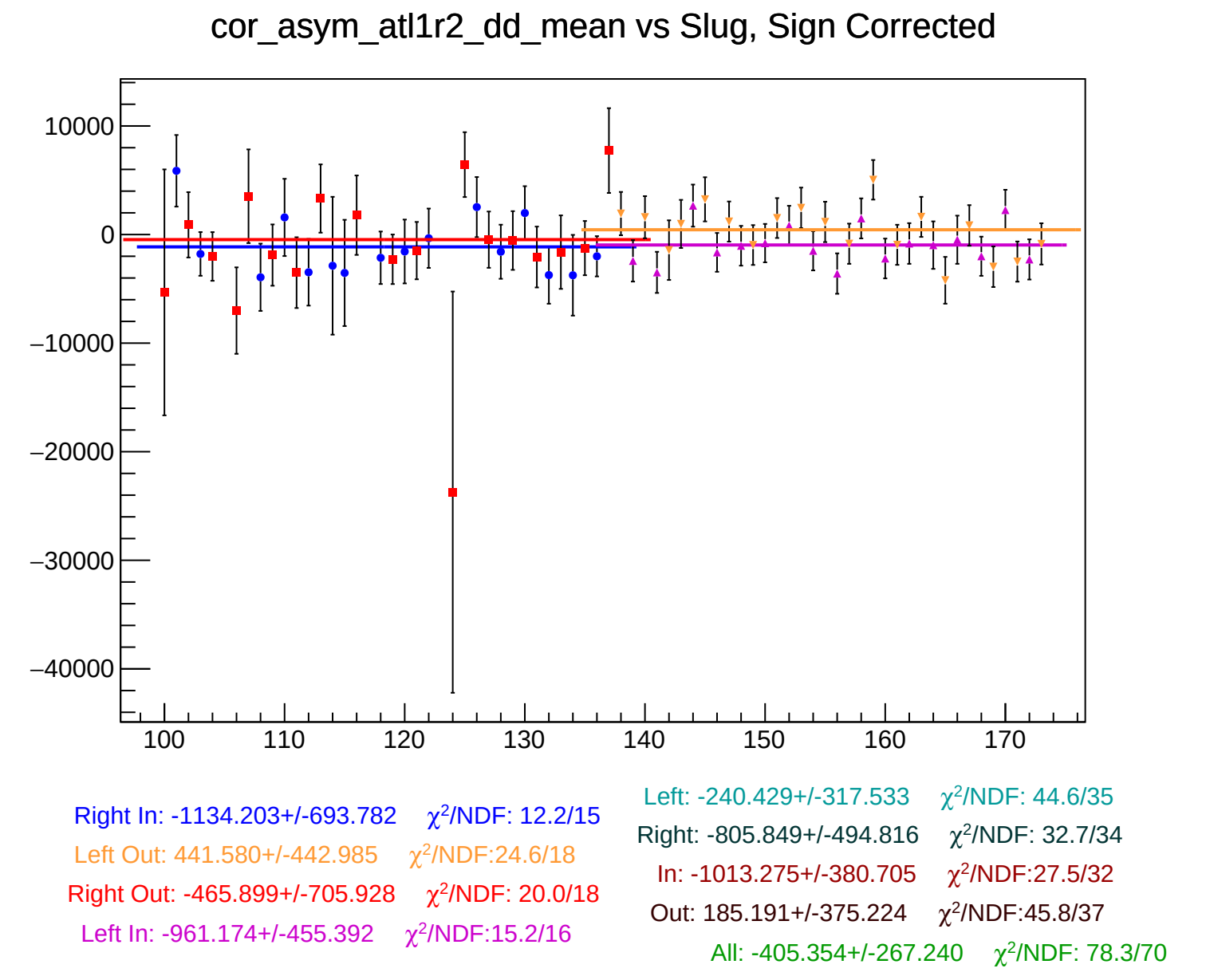
Left: 3842.369+/-0.516 χ^2/NDF: 2096526.9/35

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

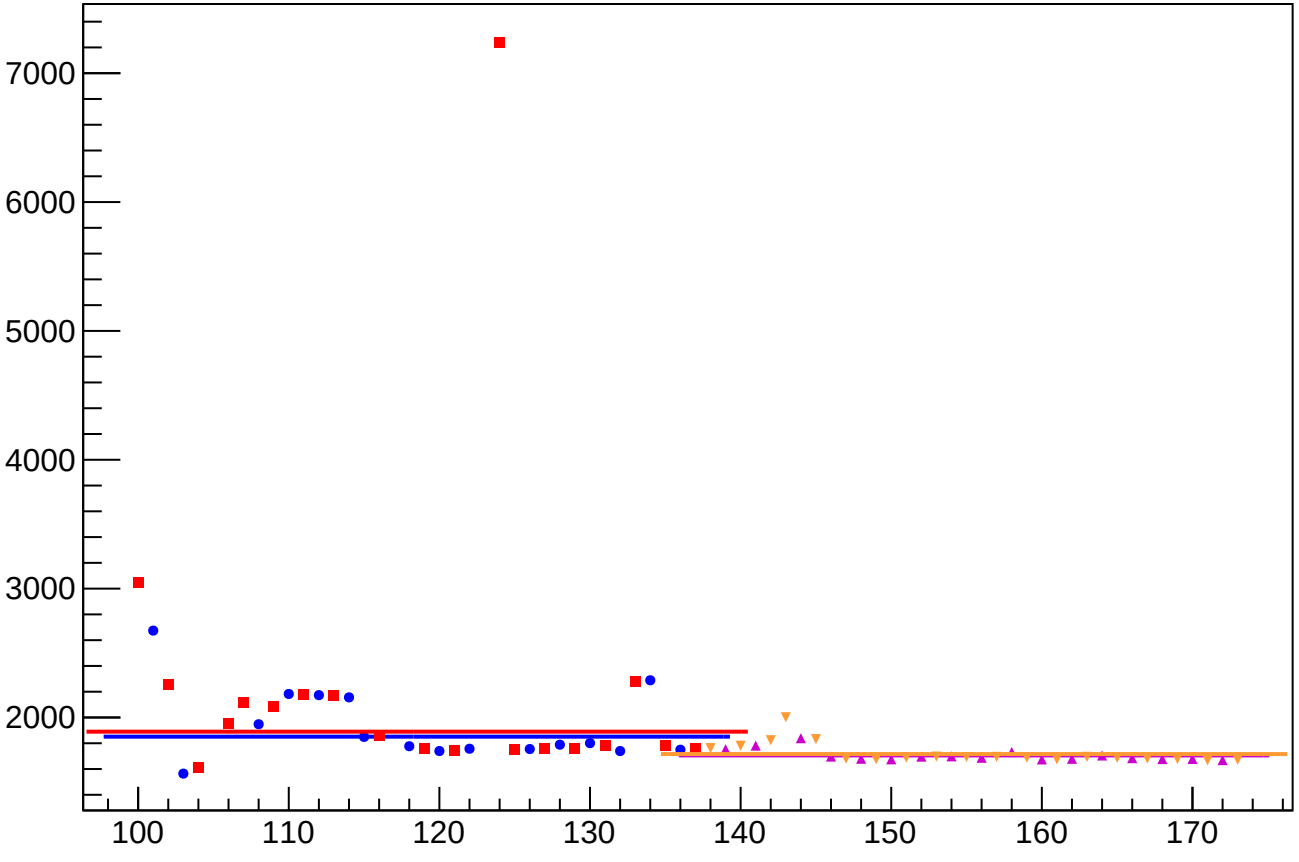
In: 3869.750+/-0.609 χ^2/NDF:1738107.3/32

Out: 1328.510+/-0.320 χ^2/NDF:26879756.9/37

All: 1879.303+/-0.283 χ^2/NDF: 42278149.1/7


cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 441.580+/-442.985 χ²/NDF:24.6/18
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: -961.174+/-455.392 χ²/NDF:15.2/16
Left: -240.429+/-317.533 χ²/NDF: 44.6/35
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -1013.275+/-380.705 χ²/NDF:27.5/32
Out: 185.191+/-375.224 χ²/NDF:45.8/37
All: -405.354+/-267.240 χ²/NDF: 78.3/70

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1716.058+/-0.313 χ^2/NDF:55003.9/18

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1705.499+/-0.322 χ^2/NDF:18582.7/16

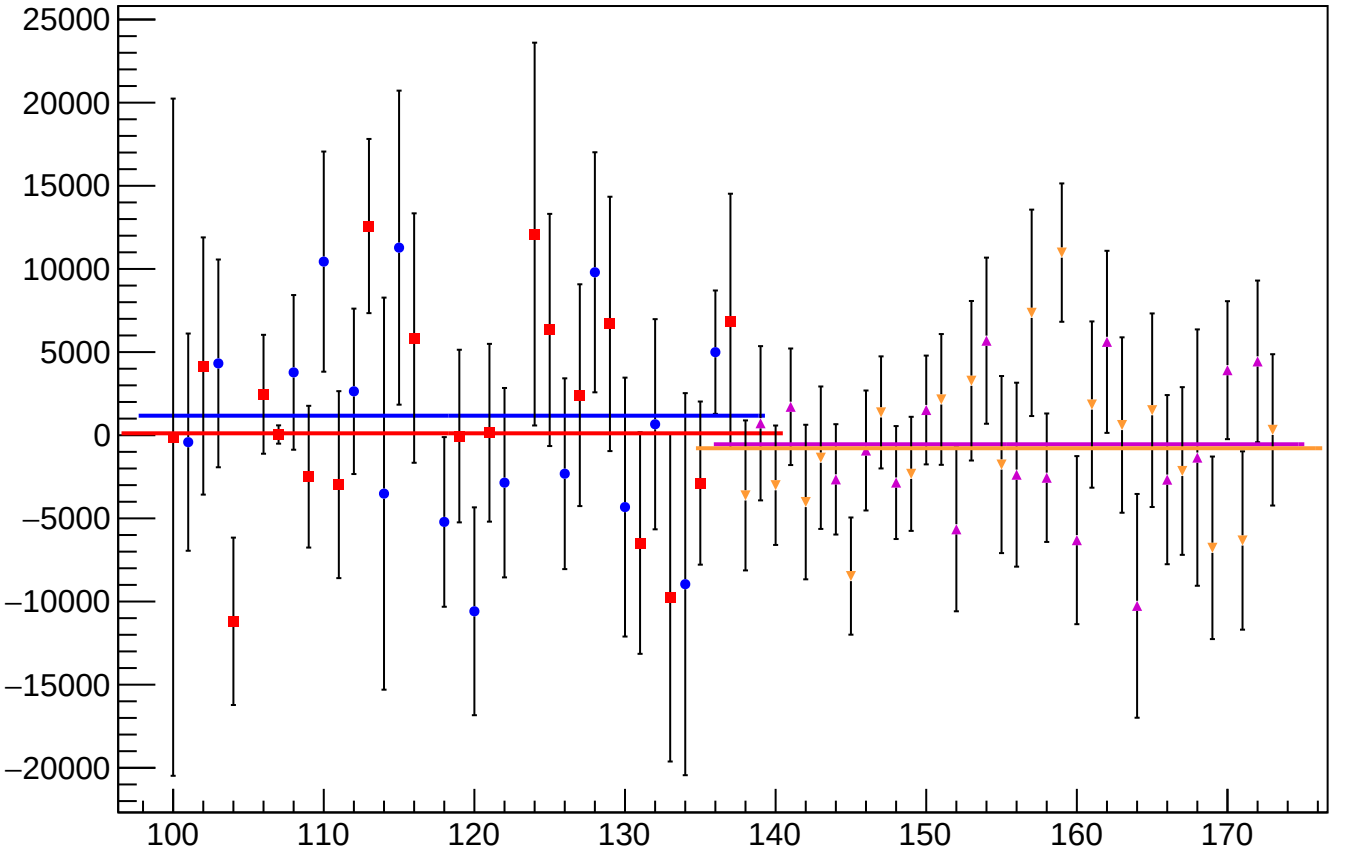
Left: 1710.925+/-0.225 χ^2/NDF: 74139.1/35

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1749.351+/-0.269 χ^2/NDF:340152.1/32

Out: 1765.345+/-0.265 χ^2/NDF:501495.0/37

All: 1757.469+/-0.189 χ^2/NDF: 843438.8/70



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -781.737+/-1015.718 χ^2/NDF:20.6/18

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -543.921+/-1049.945 χ^2/NDF:11.8/16

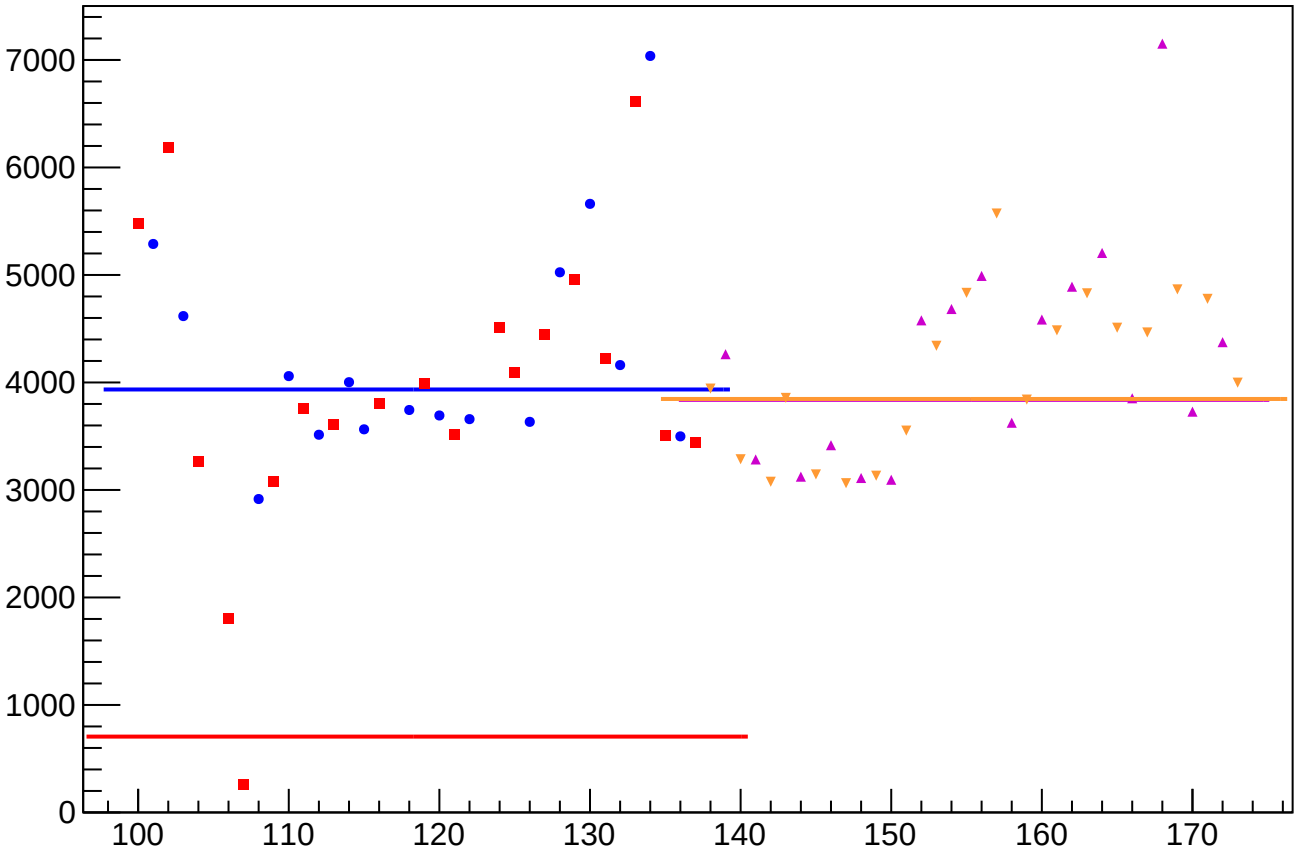
Left: -666.768+/-730.021 χ^2/NDF: 32.4/35

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 20.377+/-860.565 χ^2/NDF:26.4/32

Out: -66.122+/-457.405 χ^2/NDF:39.8/37

All: -47.068+/-403.896 χ^2/NDF: 66.2/70



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3846.440+/-0.718 χ^2/NDF:924055.8/18

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3838.008+/-0.742 χ^2/NDF:1172398.6/16

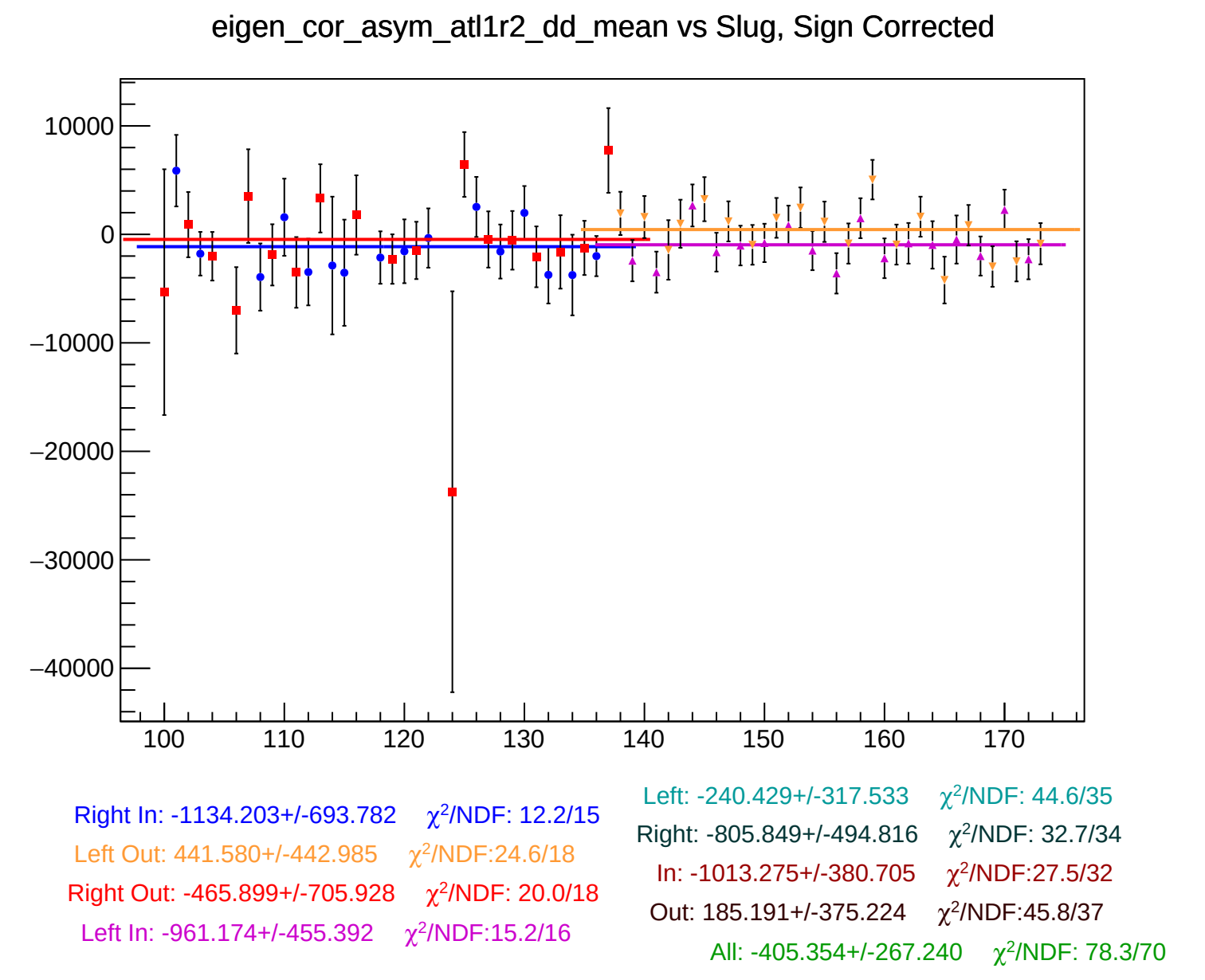
Left: 3842.364+/-0.516 χ^2/NDF: 2096521.0/35

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

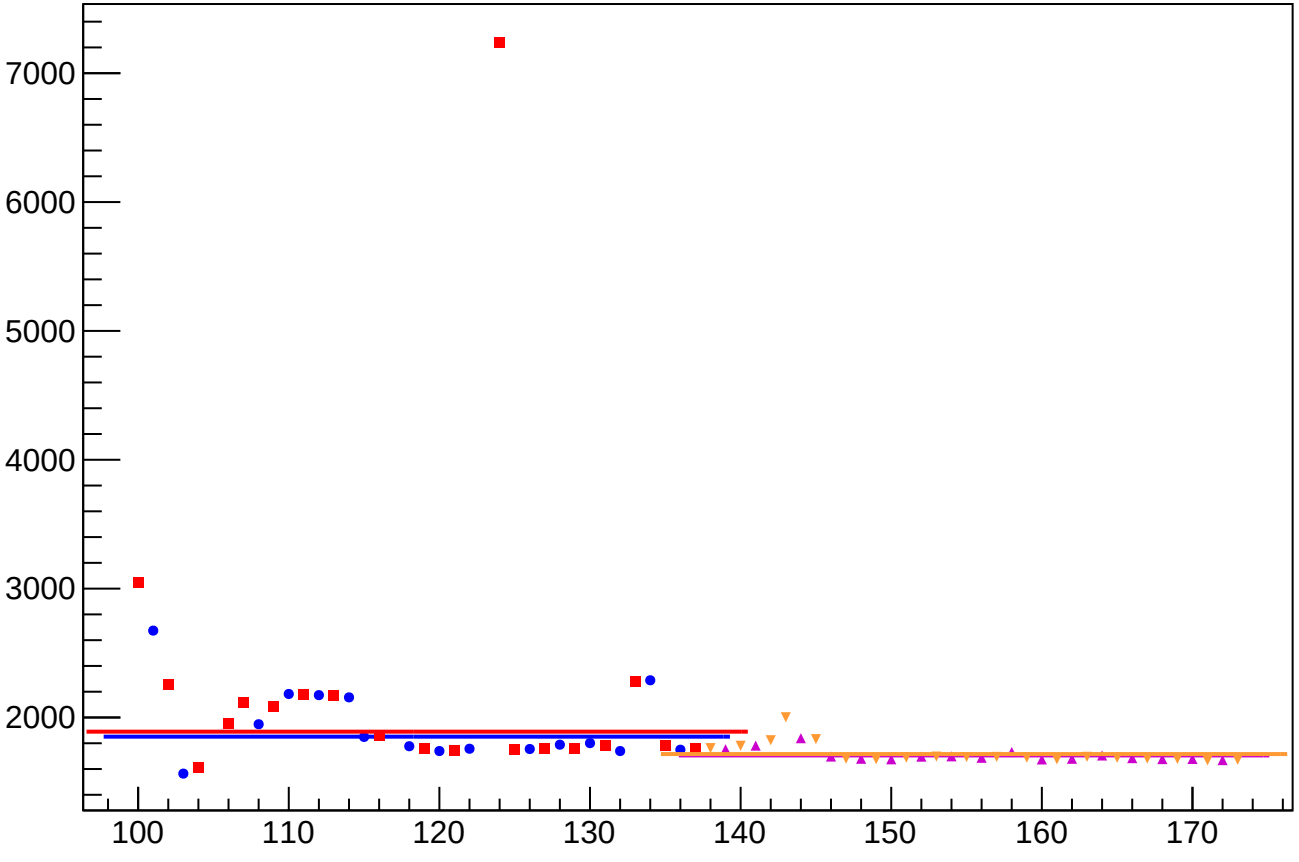
In: 3869.752+/-0.609 χ^2/NDF:1738118.6/32

Out: 1342.559+/-0.323 χ^2/NDF:26916722.9/37

All: 1899.246+/-0.286 χ^2/NDF: 42103495.0/7


eigen_cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 441.580+/-442.985 χ²/NDF:24.6/18
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: -961.174+/-455.392 χ²/NDF:15.2/16
Left: -240.429+/-317.533 χ²/NDF: 44.6/35
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -1013.275+/-380.705 χ²/NDF:27.5/32
Out: 185.191+/-375.224 χ²/NDF:45.8/37
All: -405.354+/-267.240 χ²/NDF: 78.3/70

eigen_cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1716.058+/-0.313 χ^2/NDF:55003.9/18

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1705.499+/-0.322 χ^2/NDF:18582.7/16

Left: 1710.925+/-0.225 χ^2/NDF: 74139.1/35

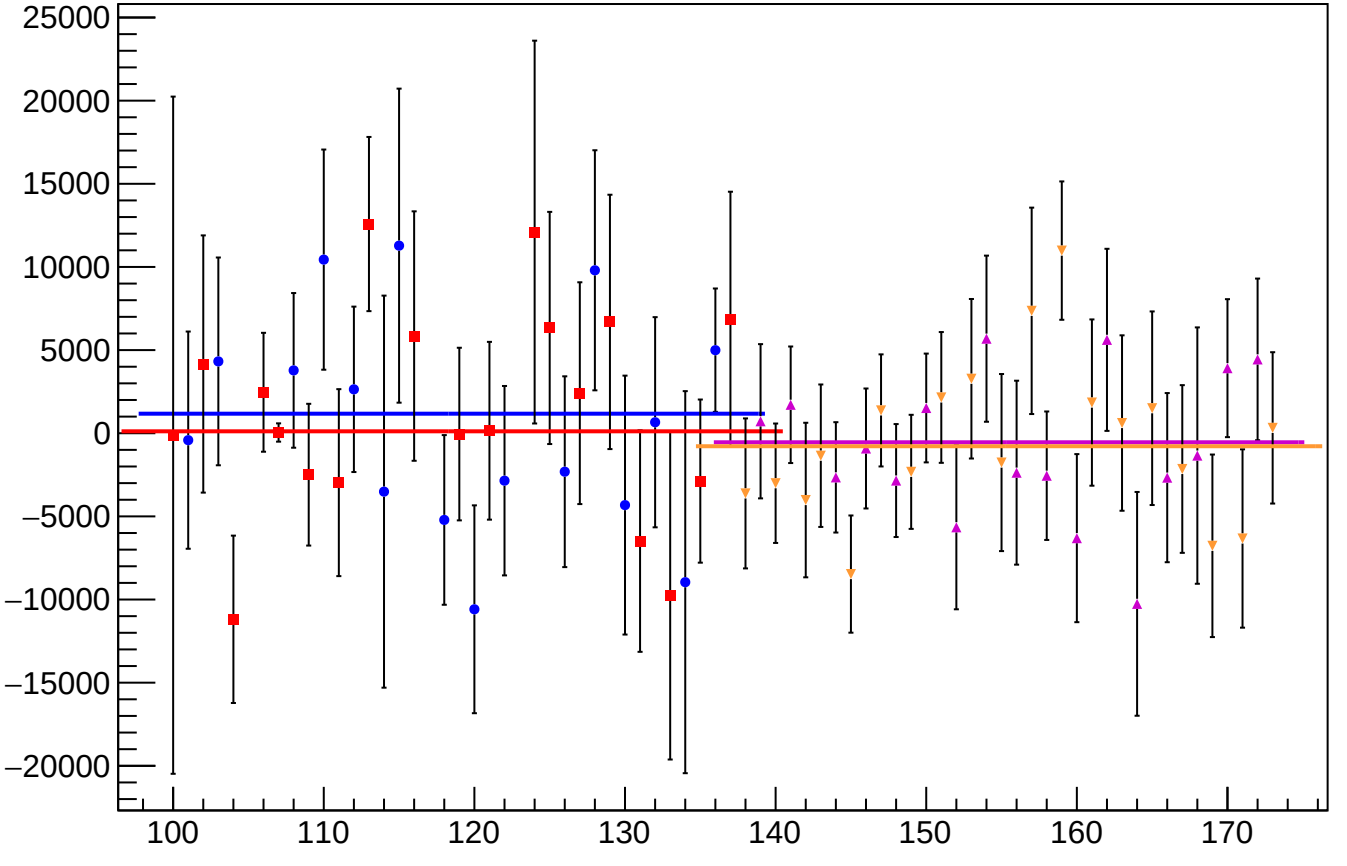
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1749.351+/-0.269 χ^2/NDF:340152.1/32

Out: 1765.345+/-0.265 χ^2/NDF:501495.0/37

All: 1757.469+/-0.189 χ^2/NDF: 843438.8/70

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: -781.737+/-1015.718 χ^2/NDF:20.6/18

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -543.921+/-1049.945 χ^2/NDF:11.8/16

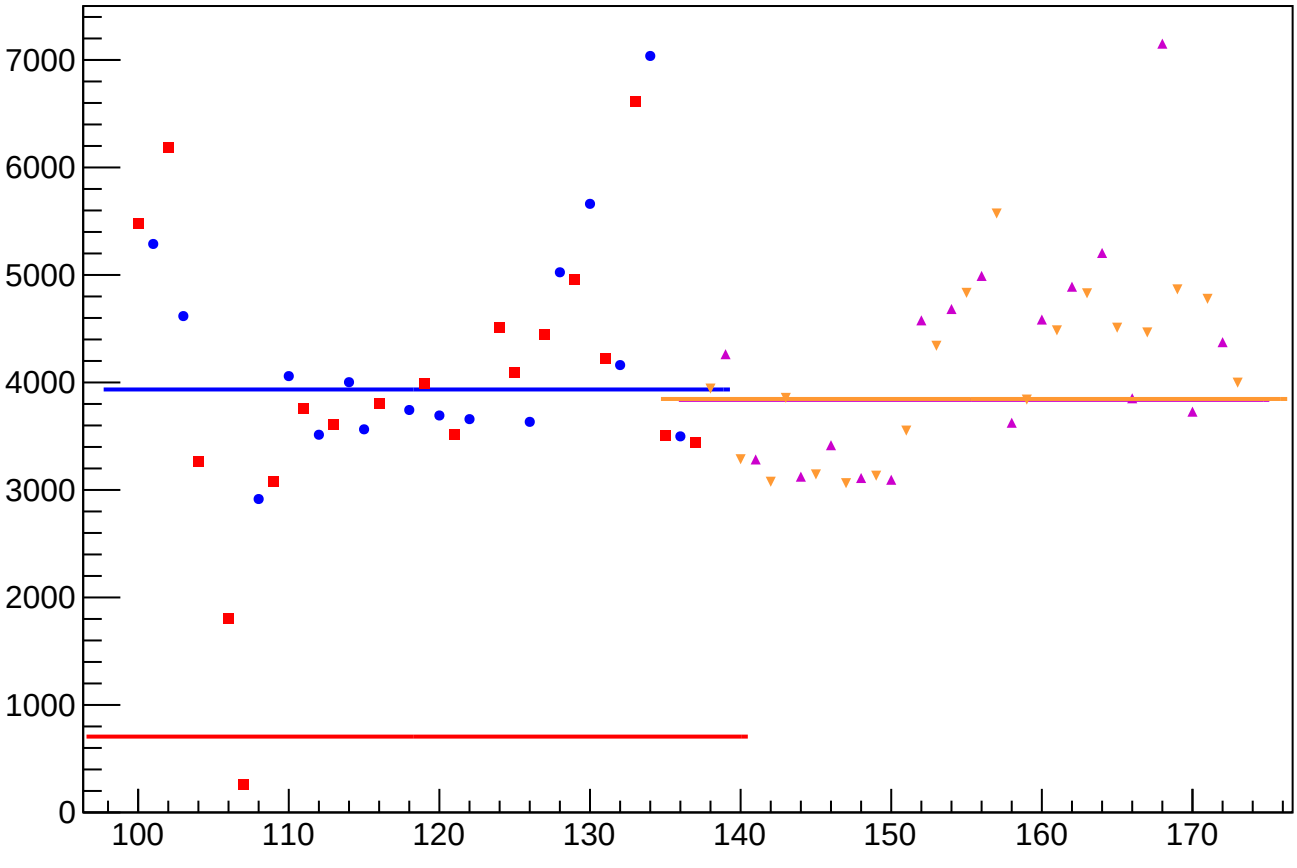
Left: -666.768+/-730.021 χ^2/NDF: 32.4/35

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 20.377+/-860.565 χ^2/NDF:26.4/32

Out: -66.122+/-457.405 χ^2/NDF:39.8/37

All: -47.068+/-403.896 χ^2/NDF: 66.2/70



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3846.440+/-0.718 χ^2/NDF:924055.8/18

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3838.008+/-0.742 χ^2/NDF:1172398.6/16

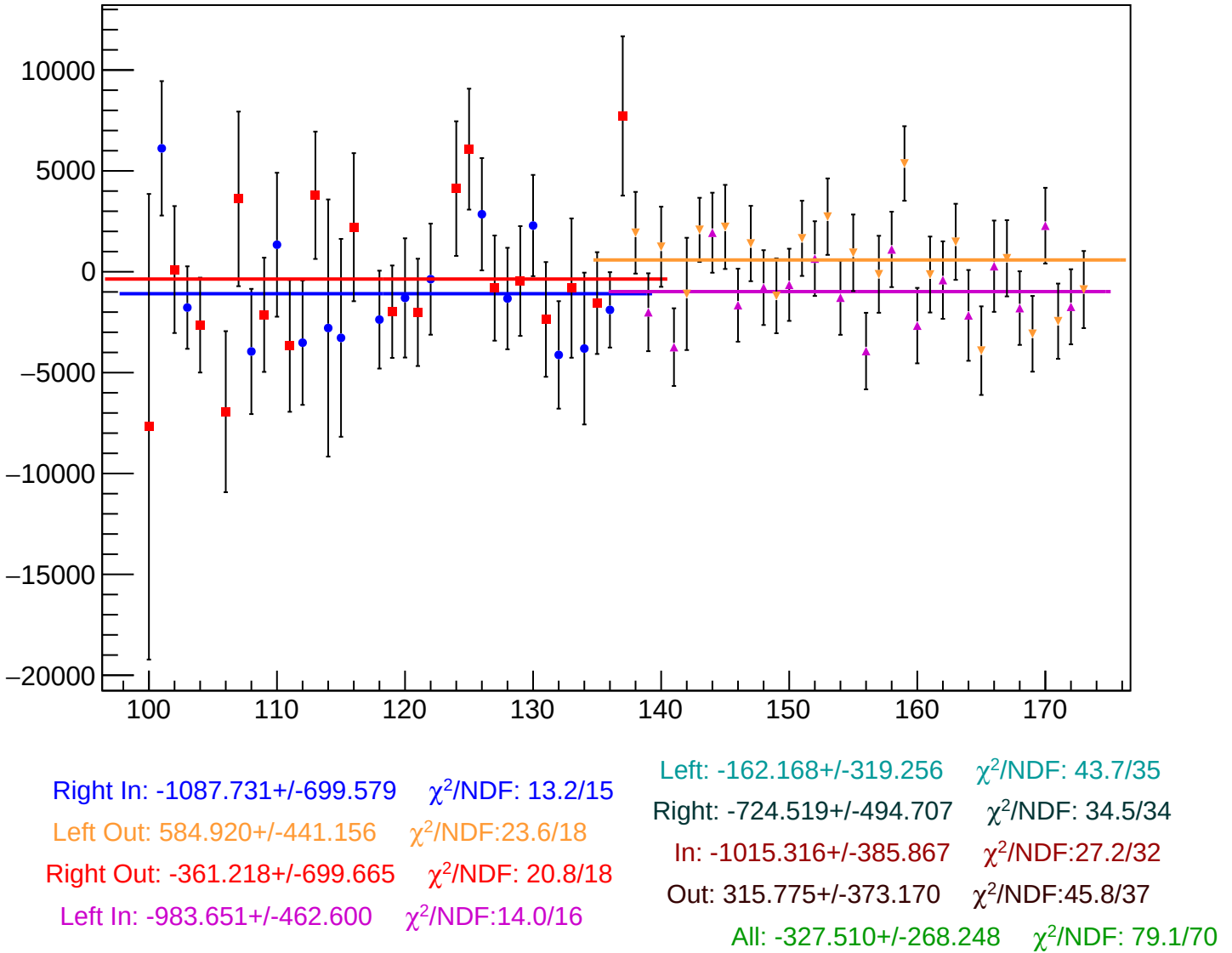
Left: 3842.364+/-0.516 χ^2/NDF: 2096521.0/35

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

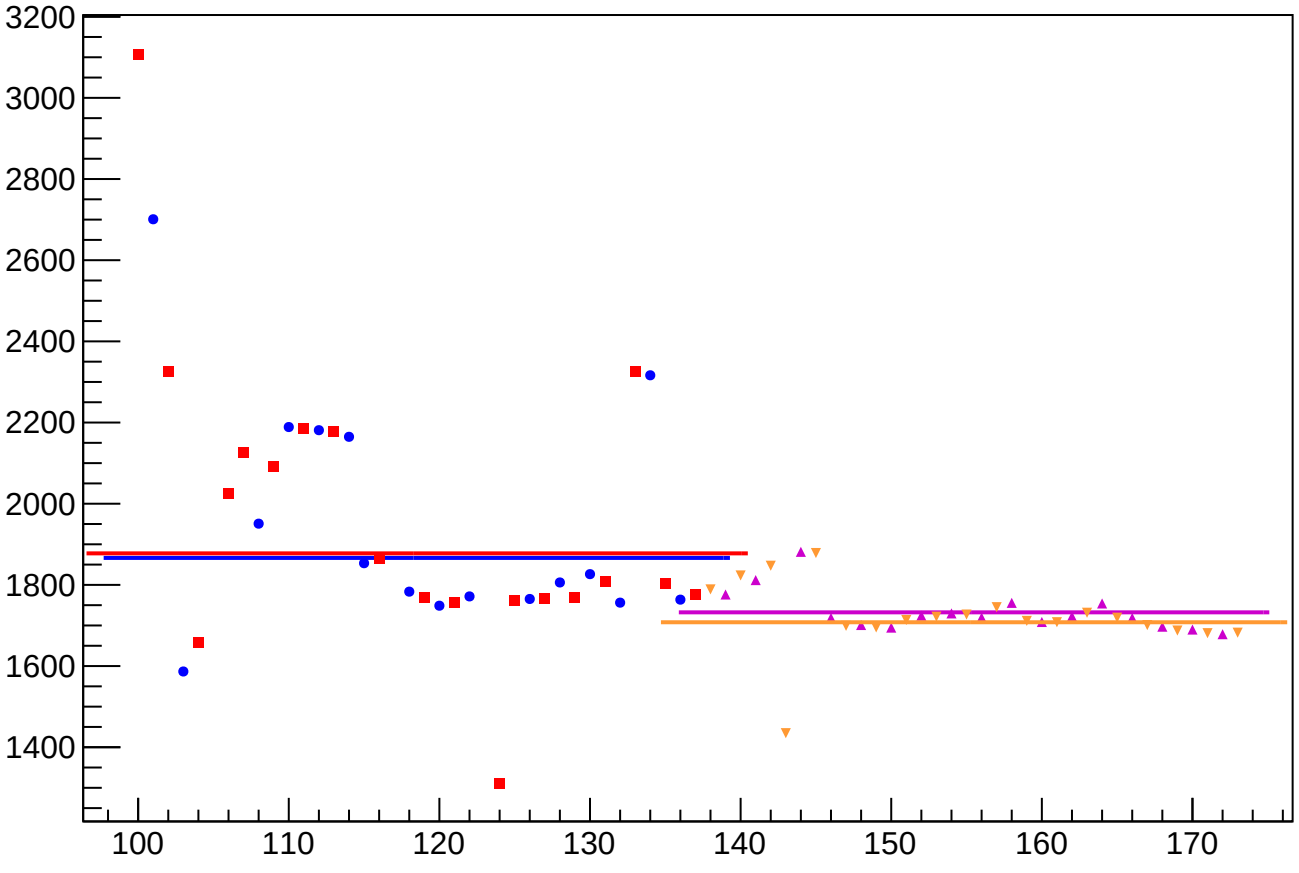
In: 3869.752+/-0.609 χ^2/NDF:1738118.6/32

Out: 1342.559+/-0.323 χ^2/NDF:26916722.9/37

All: 1899.246+/-0.286 χ^2/NDF: 42103495.0/


dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: -1087.731+/-699.579 χ²/NDF: 13.2/15
Left Out: 584.920+/-441.156 χ²/NDF:23.6/18
Right Out: -361.218+/-699.665 χ²/NDF: 20.8/18
Left In: -983.651+/-462.600 χ²/NDF:14.0/16
Left: -162.168+/-319.256 χ²/NDF: 43.7/35
Right: -724.519+/-494.707 χ²/NDF: 34.5/34
In: -1015.316+/-385.867 χ²/NDF:27.2/32
Out: 315.775+/-373.170 χ²/NDF:45.8/37
All: -327.510+/-268.248 χ²/NDF: 79.1/70

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1707.910+/-0.312 χ^2/NDF:90224.3/18

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1732.356+/-0.327 χ^2/NDF:21852.4/16

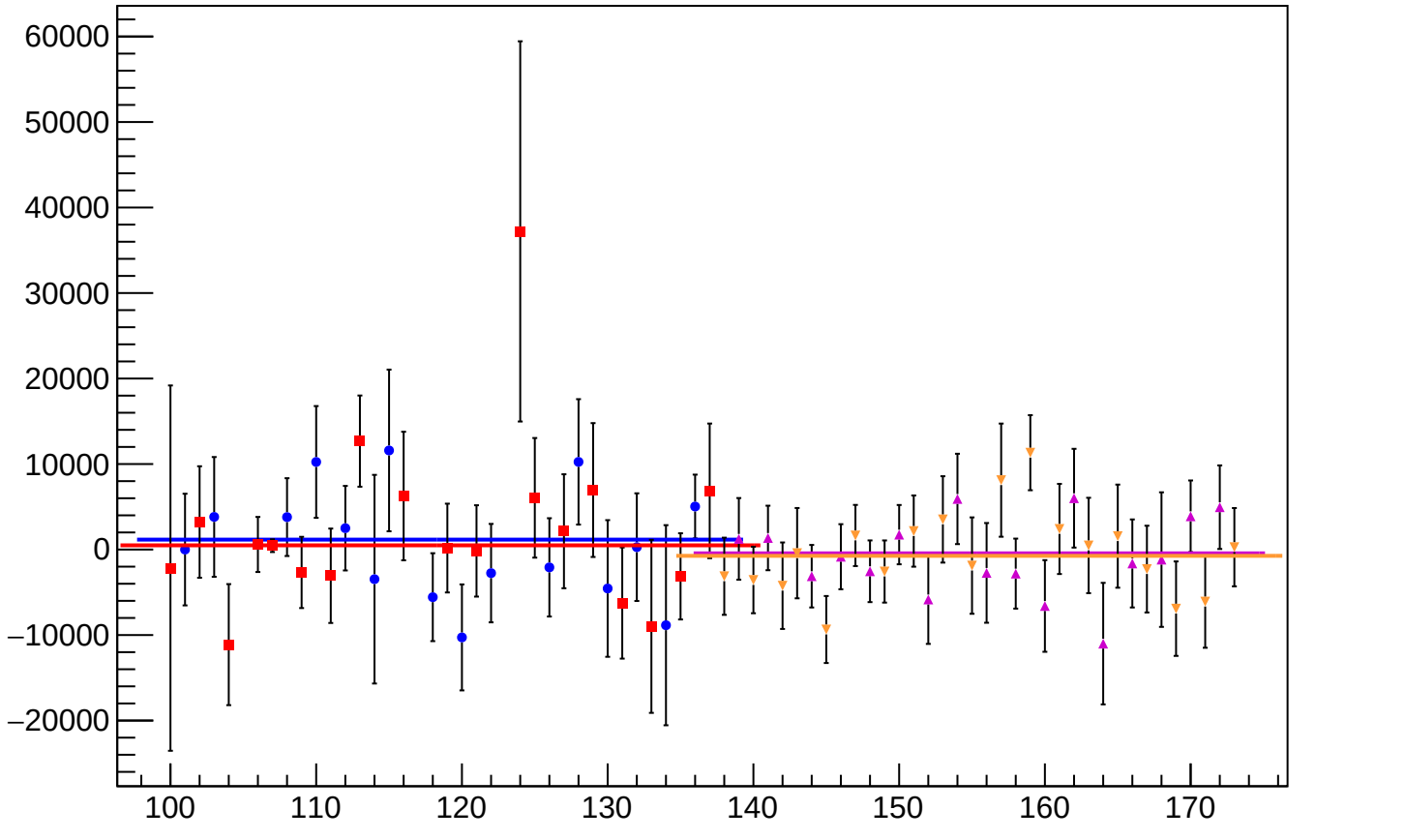
Left: 1719.553+/-0.226 χ^2/NDF: 115001.5/35

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1773.153+/-0.273 χ^2/NDF:329245.3/32

Out: 1756.256+/-0.264 χ^2/NDF:426409.1/37

All: 1764.420+/-0.190 χ^2/NDF: 757636.6/70



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -735.695+/-1077.262 χ^2/NDF:20.3/18

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: -443.968+/-1106.088 χ^2/NDF:11.8/16

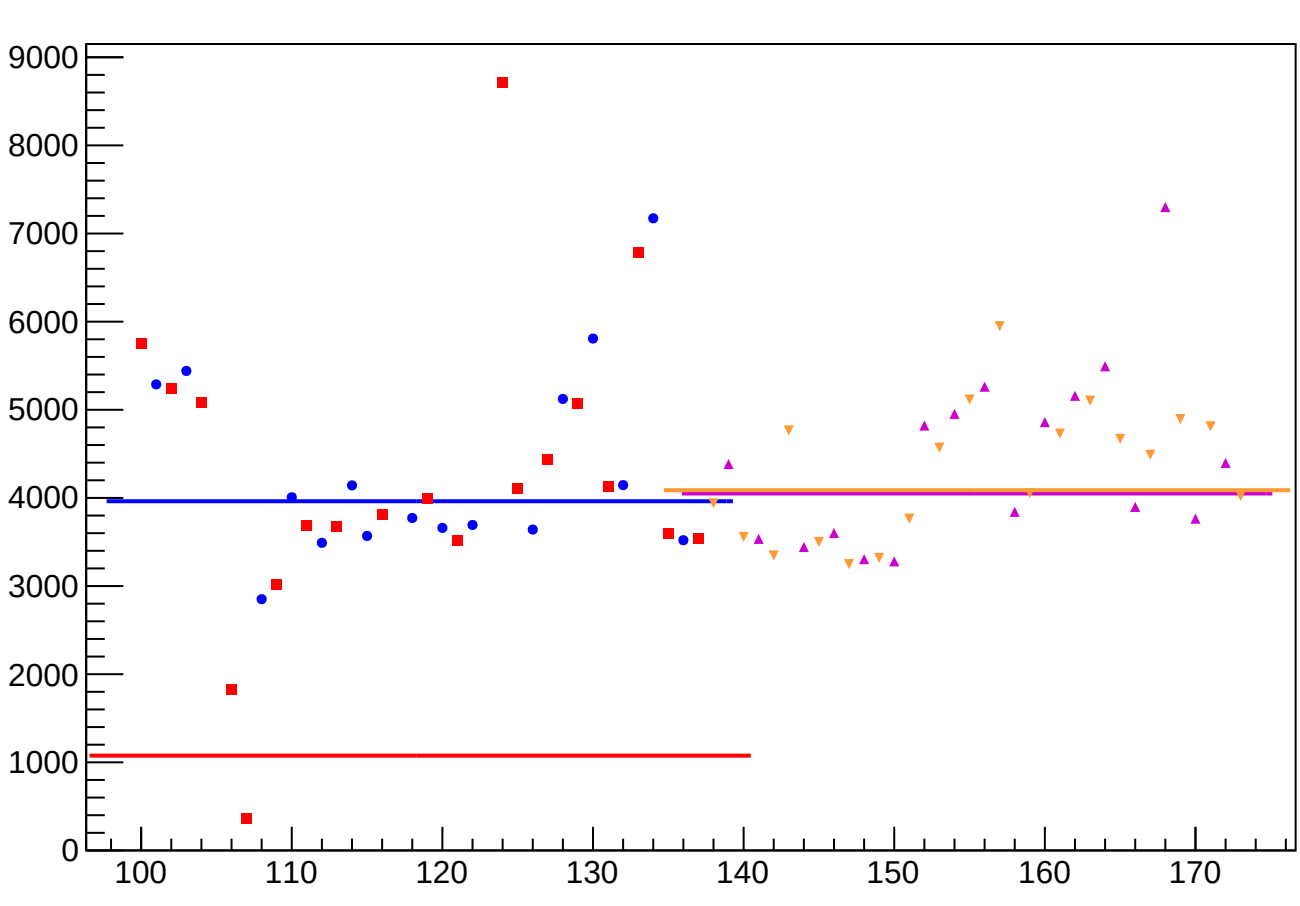
Left: -593.683+/-771.729 χ^2/NDF: 32.1/35

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 115.456+/-892.764 χ^2/NDF:26.2/32

Out: 158.702+/-561.852 χ^2/NDF:38.2/37

All: 146.433+/-475.520 χ^2/NDF: 64.4/70



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 4087.531+/-0.762 χ^2/NDF:821241.7/18

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 4050.307+/-0.782 χ^2/NDF:1072137.4/16

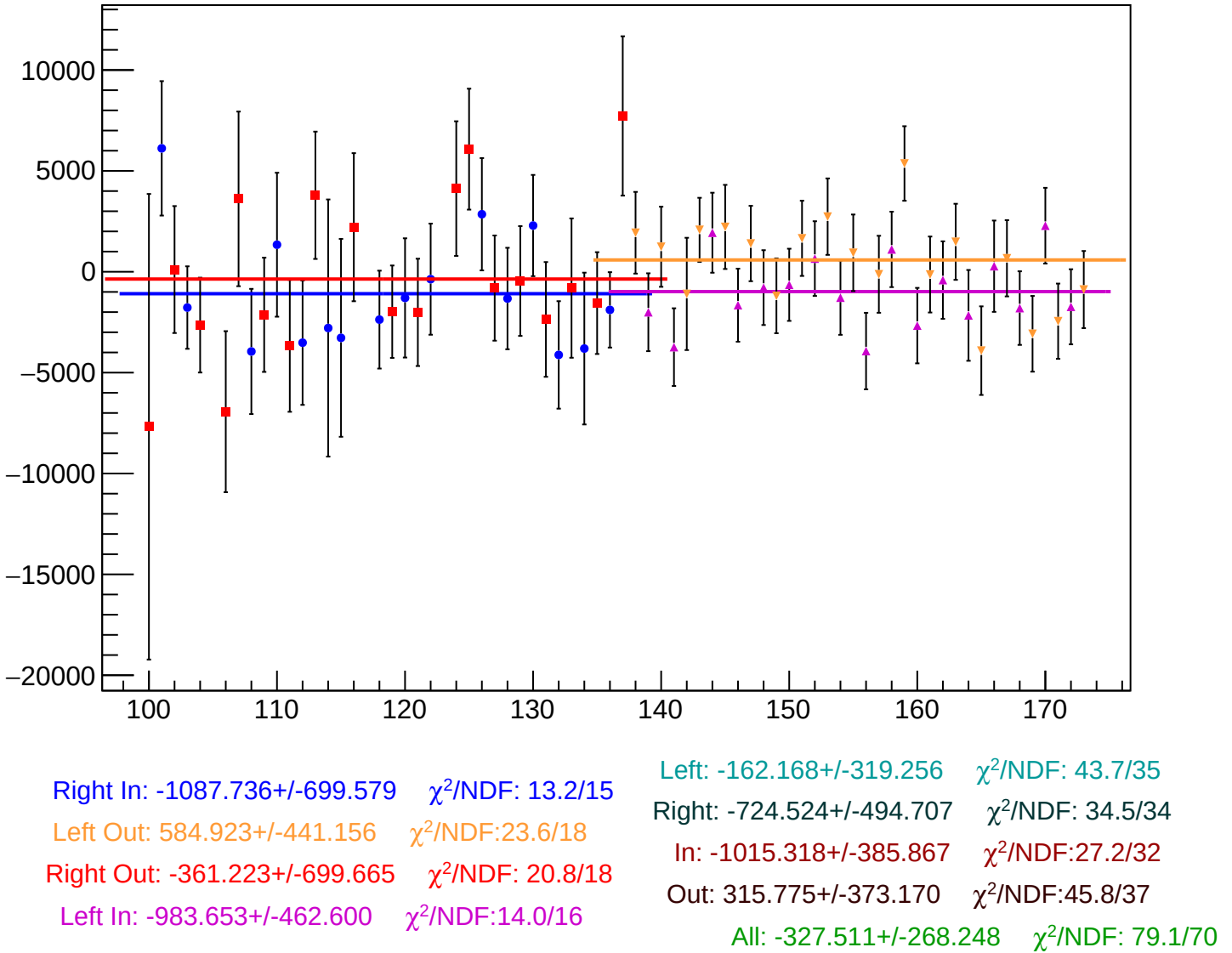
Left: 4069.411+/-0.546 χ^2/NDF: 1894541.6/35

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

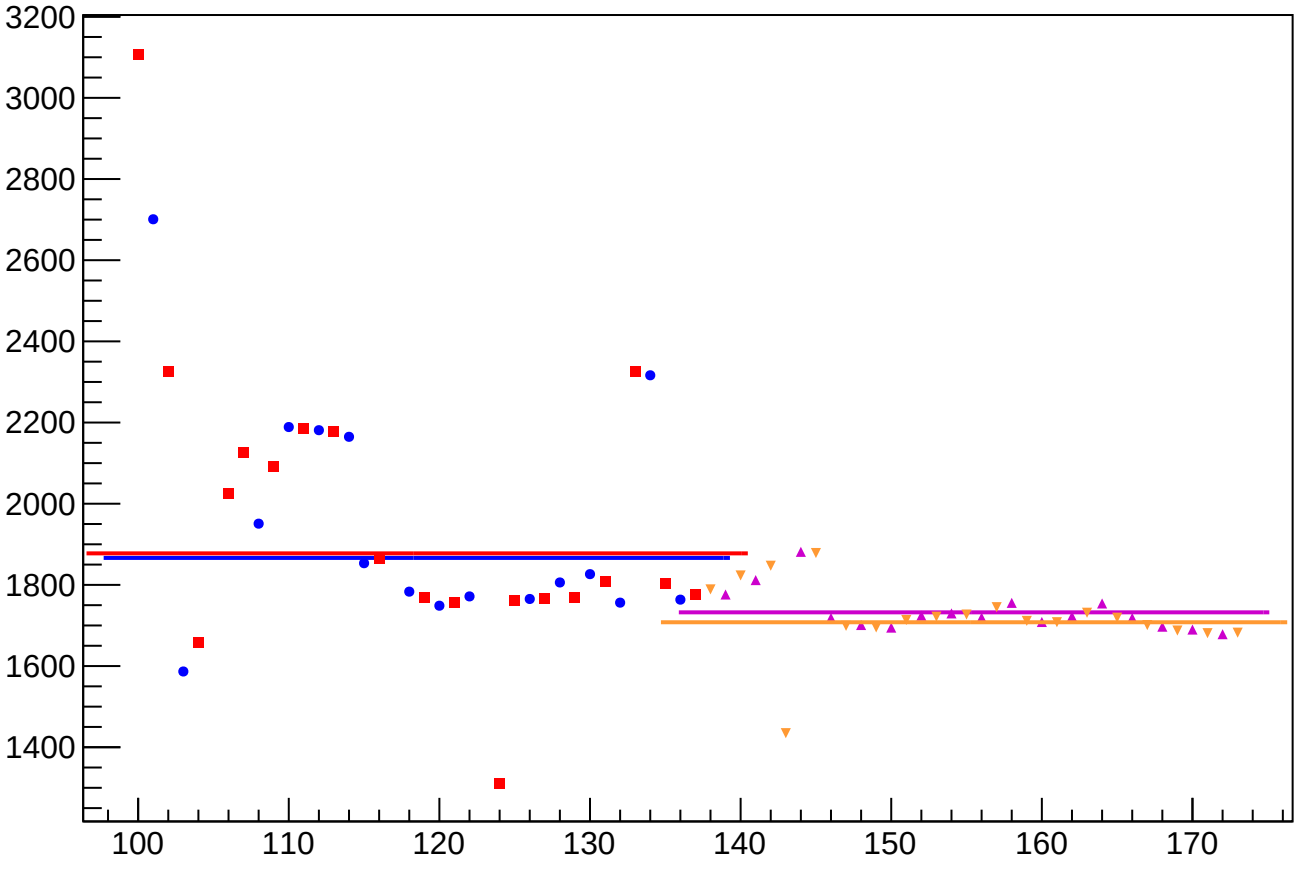
In: 4019.658+/-0.631 χ^2/NDF:1744883.2/32

Out: 1895.167+/-0.397 χ^2/NDF:21758340.1/37

All: 2497.891+/-0.336 χ^2/NDF: 31615802.9/7


eigen_dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: -1087.736+/-699.579 χ²/NDF: 13.2/15
Left Out: 584.923+/-441.156 χ²/NDF:23.6/18
Right Out: -361.223+/-699.665 χ²/NDF: 20.8/18
Left In: -983.653+/-462.600 χ²/NDF:14.0/16
Left: -162.168+/-319.256 χ²/NDF: 43.7/35
Right: -724.524+/-494.707 χ²/NDF: 34.5/34
In: -1015.318+/-385.867 χ²/NDF:27.2/32
Out: 315.775+/-373.170 χ²/NDF:45.8/37
All: -327.511+/-268.248 χ²/NDF: 79.1/70

eigen_dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1707.911+/-0.312 χ^2/NDF:90223.5/18

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1732.356+/-0.327 χ^2/NDF:21852.3/16

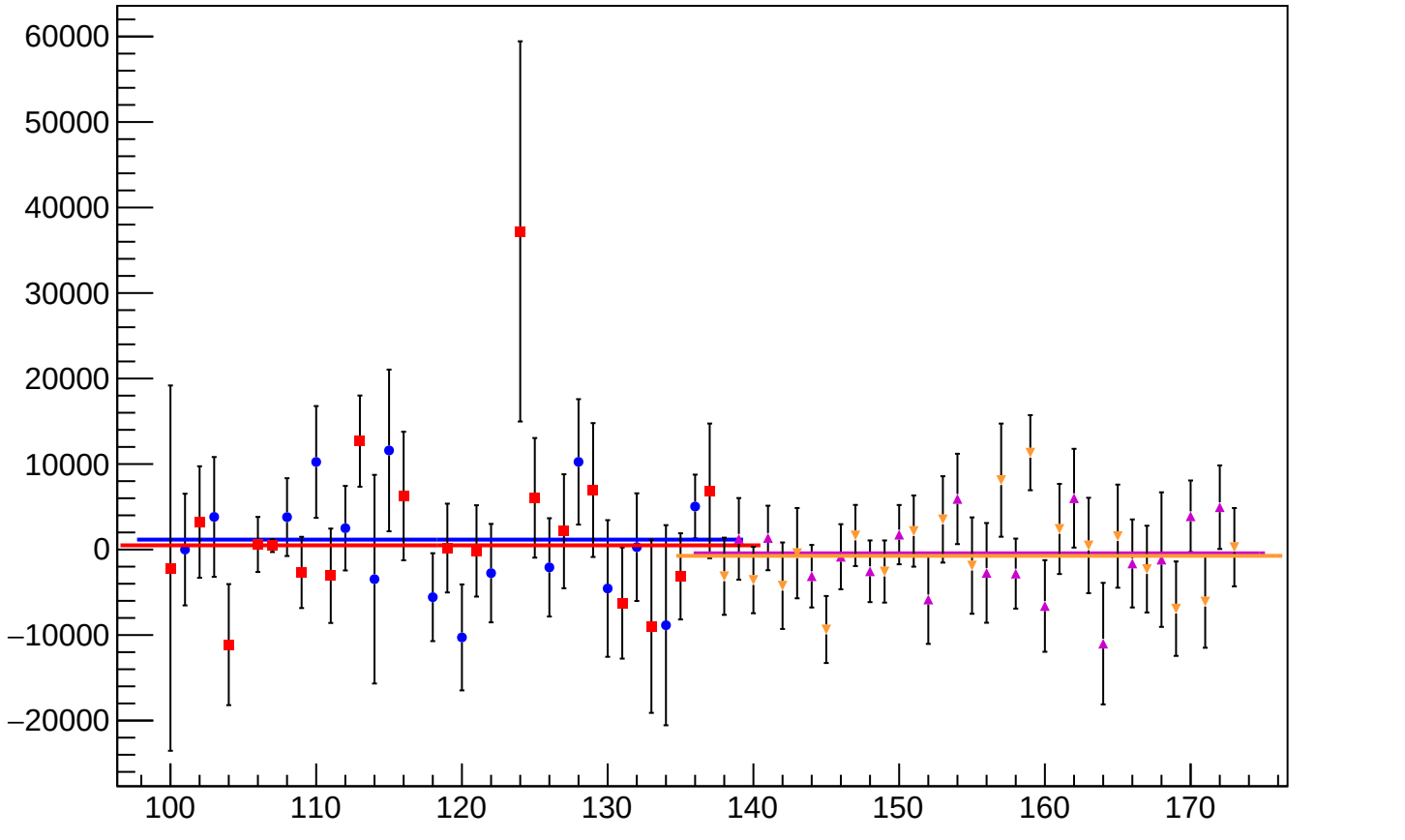
Left: 1719.554+/-0.226 χ^2/NDF: 115000.7/35

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1773.153+/-0.273 χ^2/NDF:329244.5/32

Out: 1756.256+/-0.264 χ^2/NDF:426407.8/37

All: 1764.420+/-0.190 χ^2/NDF: 757634.4/70



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -735.696+/-1077.263 χ^2/NDF:20.3/18

Right Out: 492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: -443.966+/-1106.090 χ^2/NDF:11.8/16

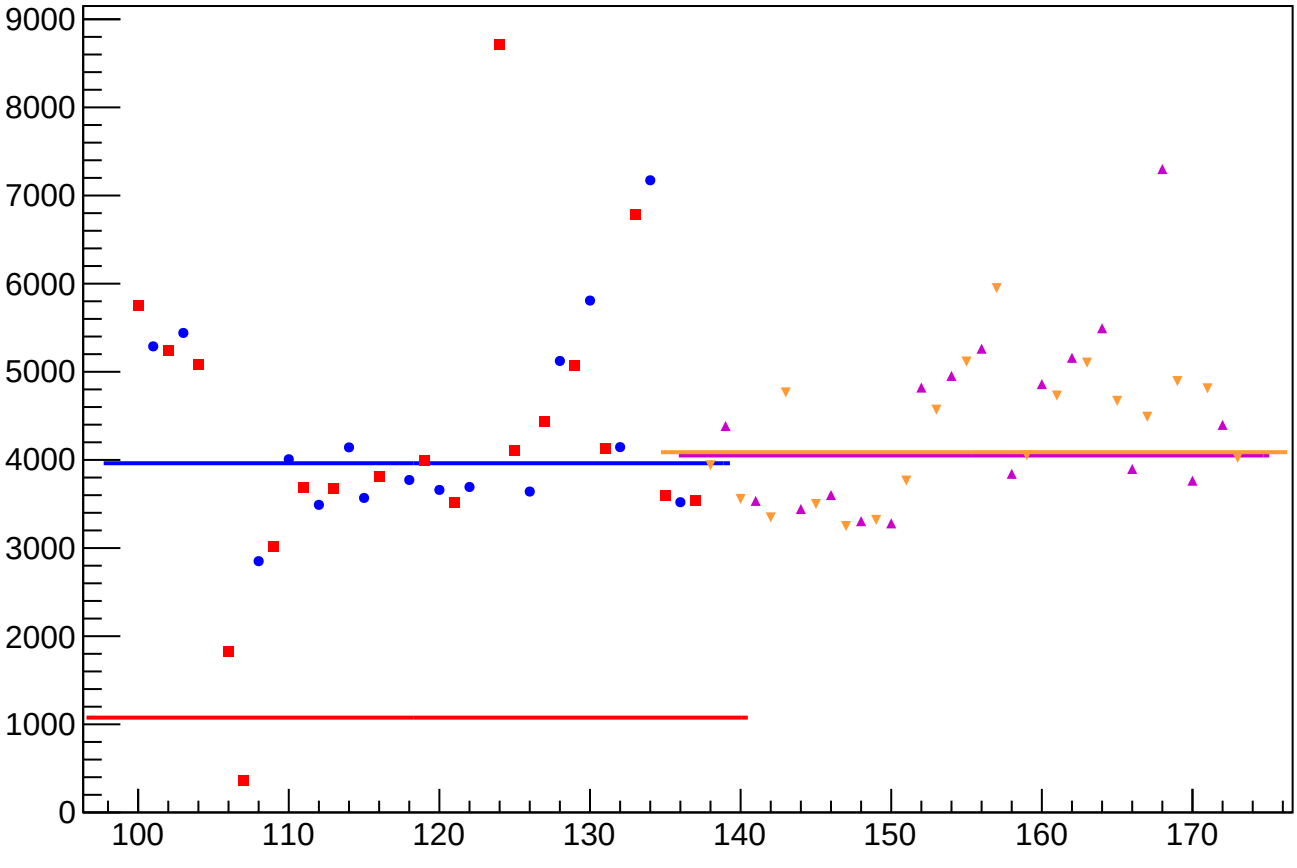
Left: -593.682+/-771.730 χ^2/NDF: 32.1/35

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: 115.452+/-892.765 χ^2/NDF:26.2/32

Out: 158.700+/-561.859 χ^2/NDF:38.2/37

All: 146.430+/-475.524 χ^2/NDF: 64.4/70



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 4087.537+/-0.762 χ^2/NDF:821241.4/18

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 4050.313+/-0.782 χ^2/NDF:1072139.3/16

Left: 4069.416+/-0.546 χ^2/NDF: 1894543.3/35

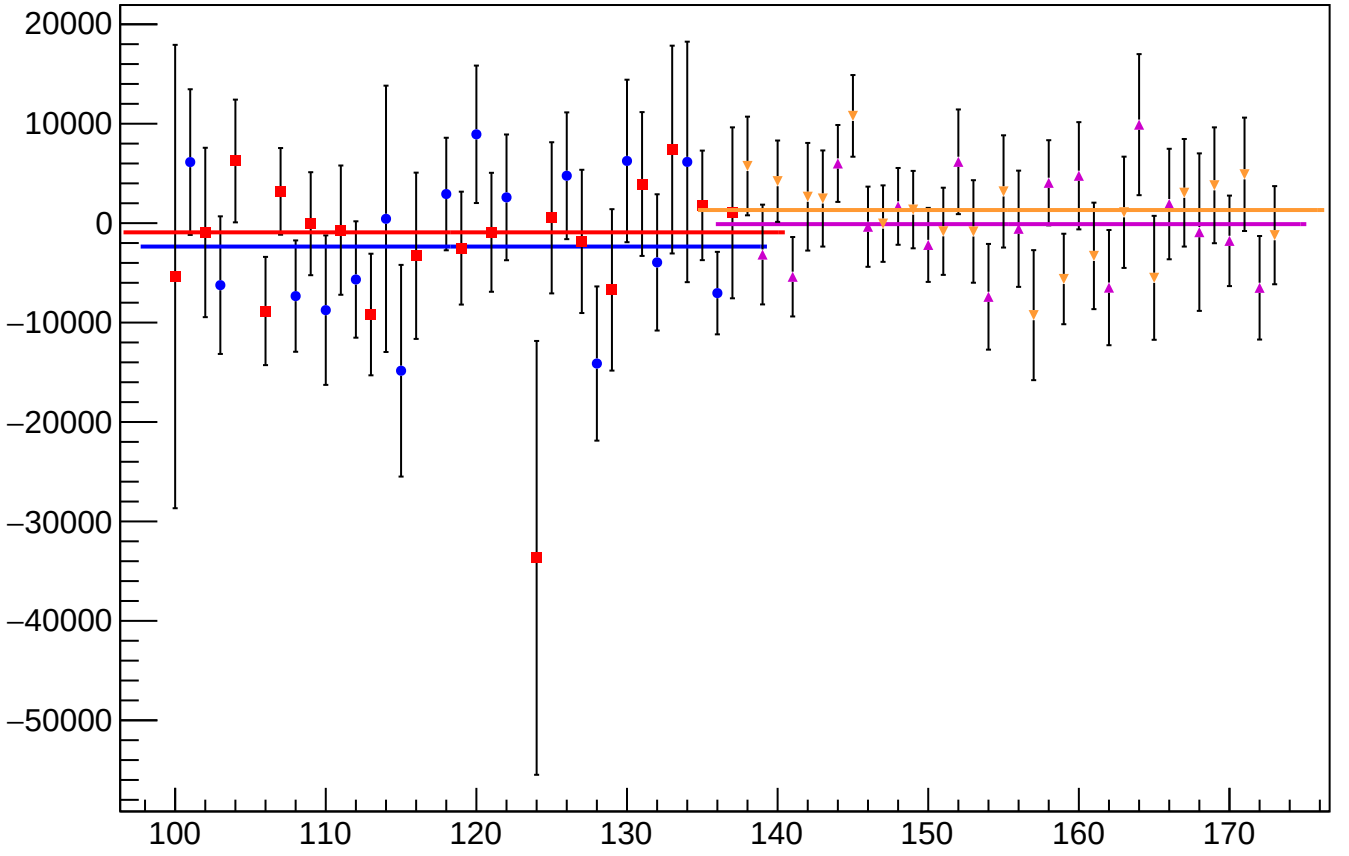
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 4019.659+/-0.631 χ^2/NDF:1744882.6/32

Out: 1895.209+/-0.397 χ^2/NDF:21757895.4/37

All: 2497.932+/-0.336 χ^2/NDF: 31614987.0/7

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 1318.449+/-1124.442 χ^2/NDF:15.2/18

Right Out: -924.896+/-1546.889 χ^2/NDF: 10.6/18

Left In: -99.565+/-1160.325 χ^2/NDF:15.2/16

Left: 631.707+/-807.488 χ^2/NDF: 31.2/35

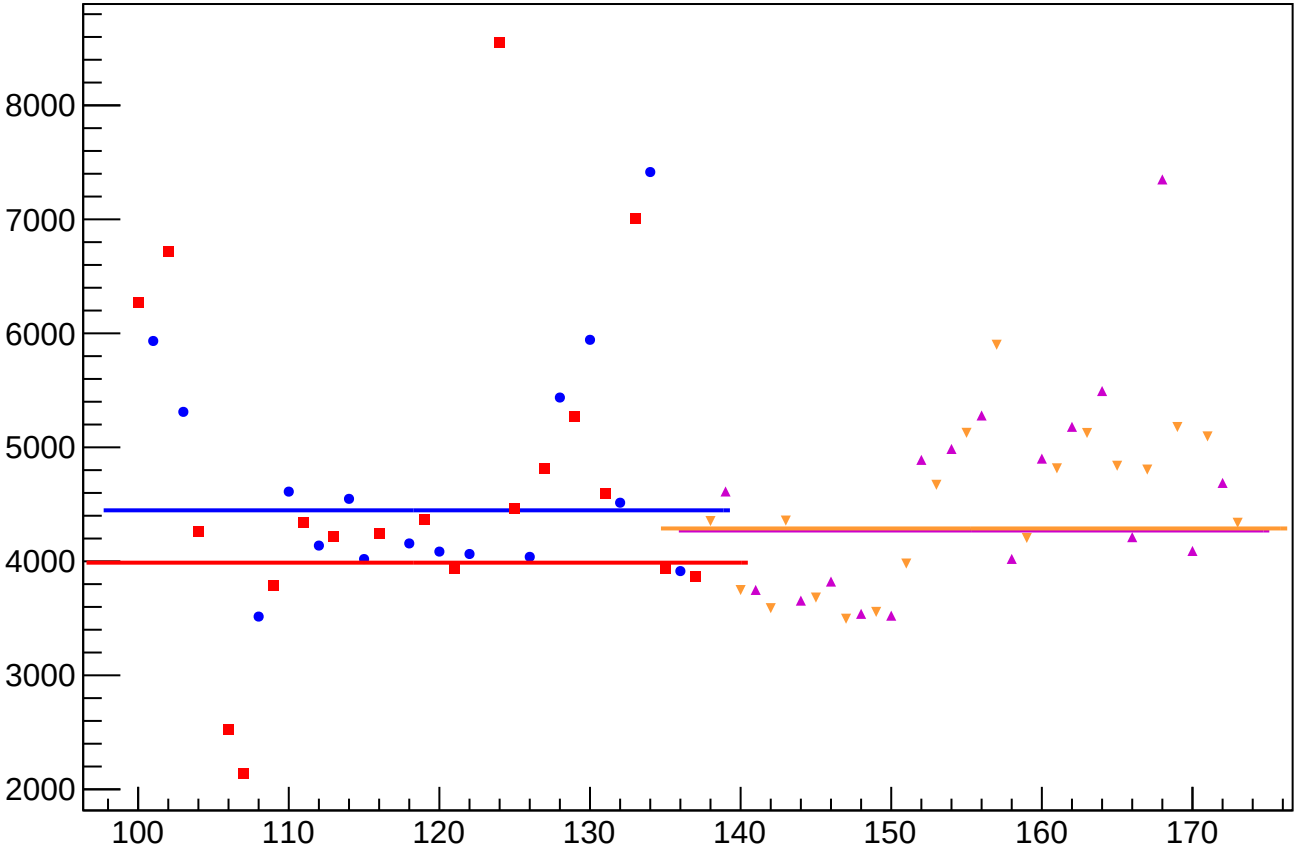
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -825.138+/-955.617 χ^2/NDF:32.0/32

Out: 542.886+/-909.535 χ^2/NDF:27.2/37

All: -107.347+/-658.828 χ^2/NDF: 60.2/70

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4288.388+/-0.795 χ^2/NDF:640379.6/18

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 4270.504+/-0.820 χ^2/NDF:855831.7/16

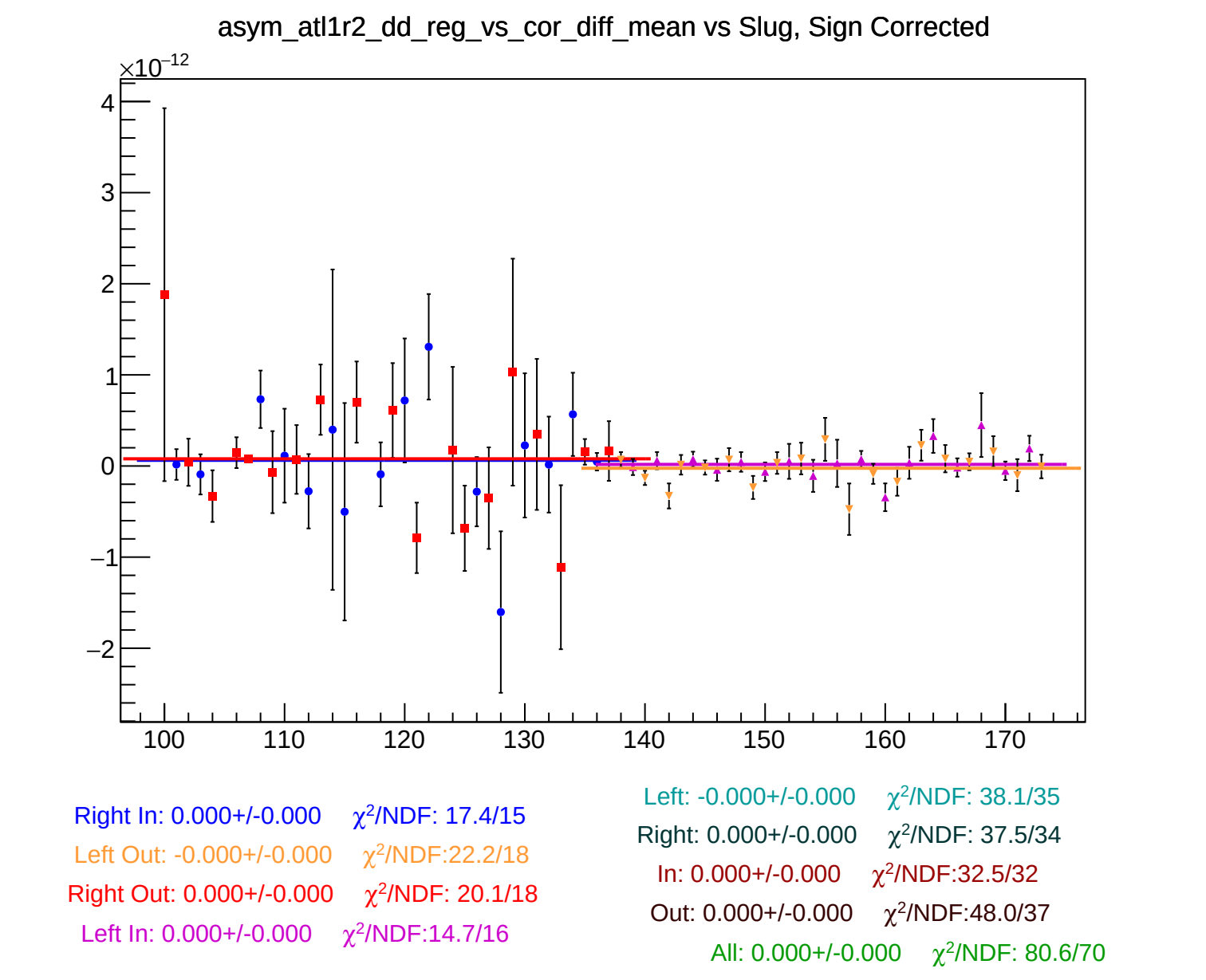
Left: 4279.727+/-0.571 χ^2/NDF: 1496456.2/35

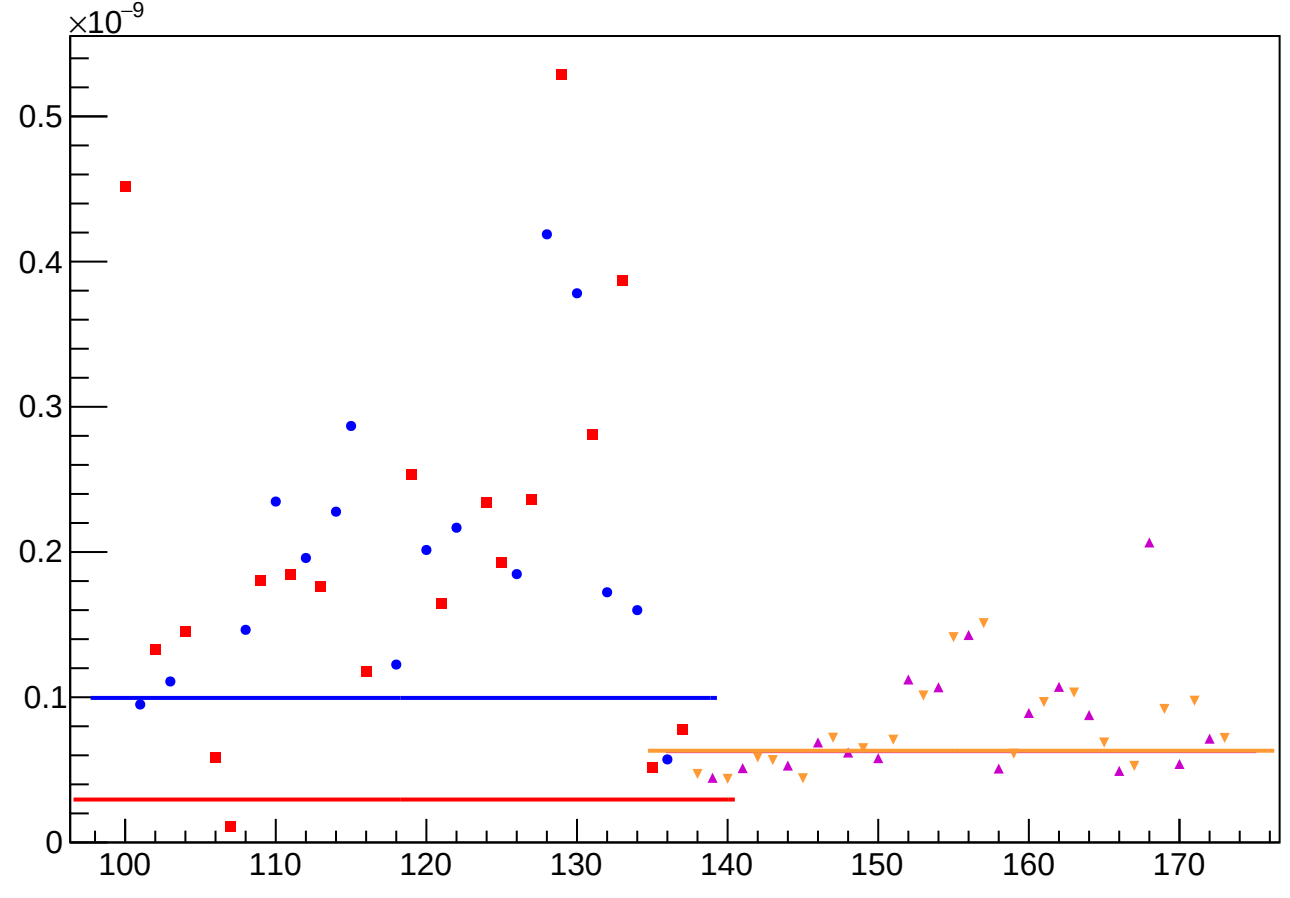
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4327.423+/-0.676 χ^2/NDF:1329041.8/32

Out: 4183.268+/-0.641 χ^2/NDF:1834219.7/37

All: 4251.537+/-0.465 χ^2/NDF: 3187219.7/70


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
170
Right In: 0.000+/-0.000 χ²/NDF: 17.4/15
Left Out: -0.000+/-0.000 χ²/NDF:22.2/18
Right Out: 0.000+/-0.000 χ²/NDF: 20.1/18
Left In: 0.000+/-0.000 χ²/NDF:14.7/16
Left: -0.000+/-0.000 χ²/NDF: 38.1/35
Right: 0.000+/-0.000 χ²/NDF: 37.5/34
In: 0.000+/-0.000 χ²/NDF:32.5/32
Out: 0.000+/-0.000 χ²/NDF:48.0/37
All: 0.000+/-0.000 χ²/NDF: 80.6/70



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1227871.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1254127.0/16

Left: 0.000+/-0.000 χ^2/NDF: 2482091.8/35

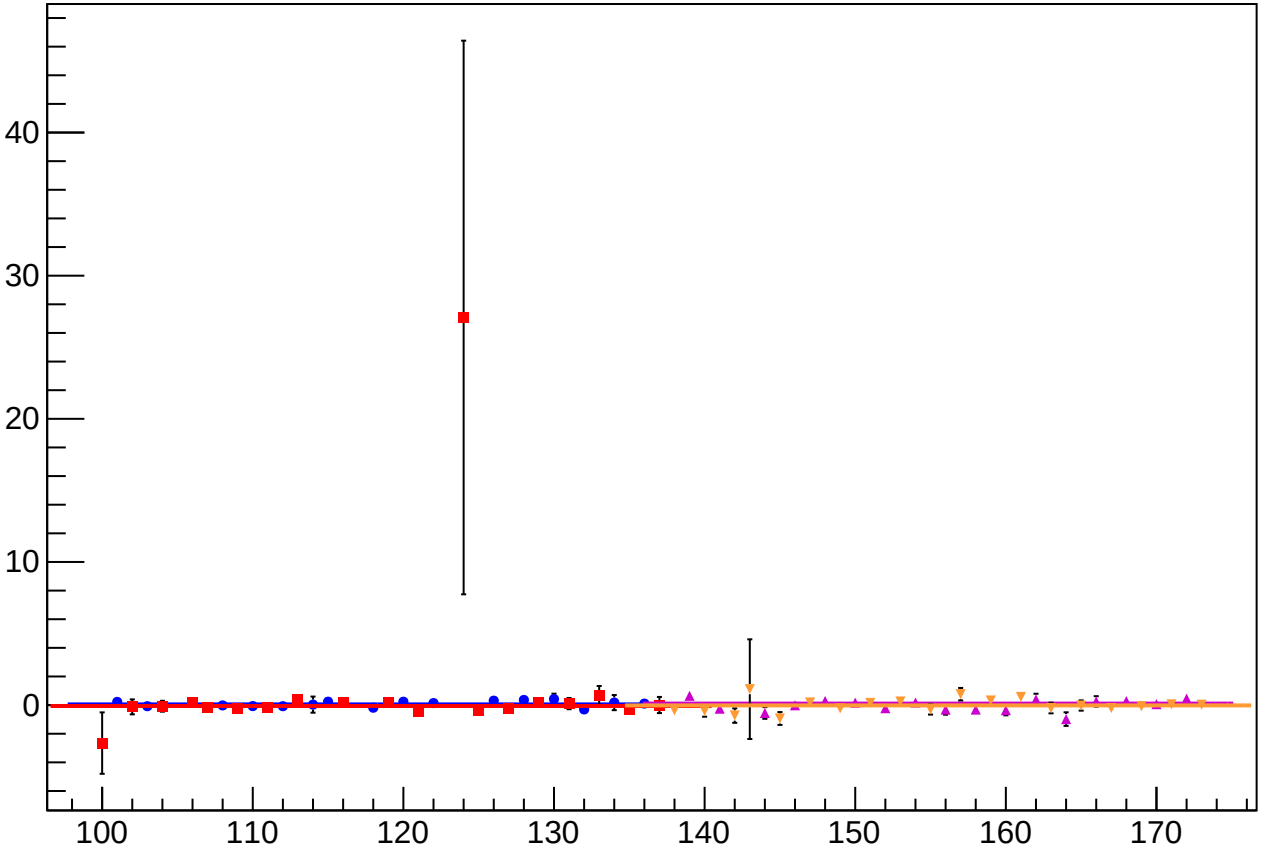
Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:3307081.2/32

Out: 0.000+/-0.000 χ^2/NDF:6799347.0/37

All: 0.000+/-0.000 χ^2/NDF: 10731558.2/70

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: -0.021+/-0.068 χ^2/NDF:19.5/18

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.106+/-0.071 χ^2/NDF:25.3/16

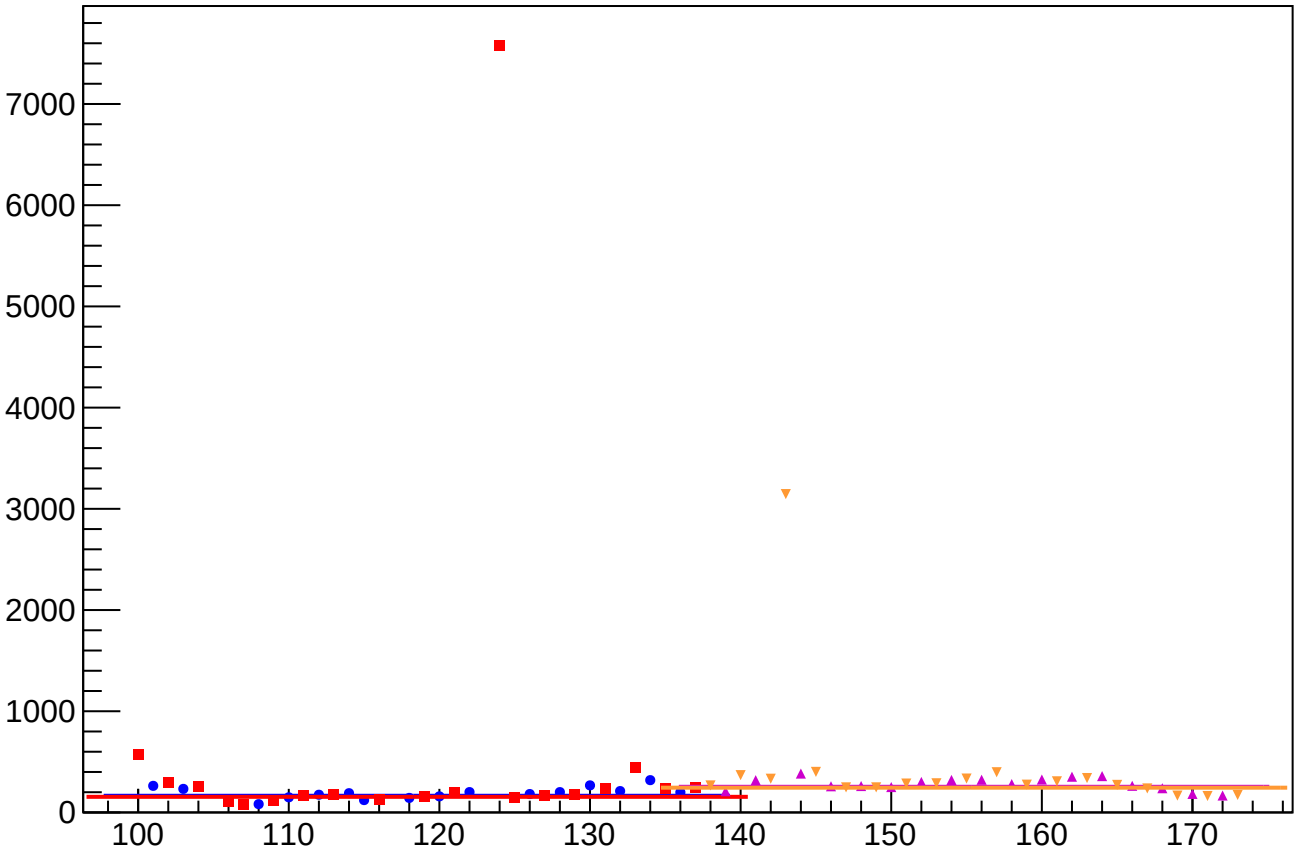
Left: 0.040+/-0.049 χ^2/NDF: 46.4/35

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.075+/-0.048 χ^2/NDF:33.2/32

Out: -0.042+/-0.047 χ^2/NDF:38.1/37

All: 0.014+/-0.034 χ^2/NDF: 74.4/70



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 244.792+/-0.048 χ^2/NDF:3543520.4/18

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 253.539+/-0.050 χ^2/NDF:1527284.3/16

Left: 249.008+/-0.035 χ^2/NDF: 5086723.8/35

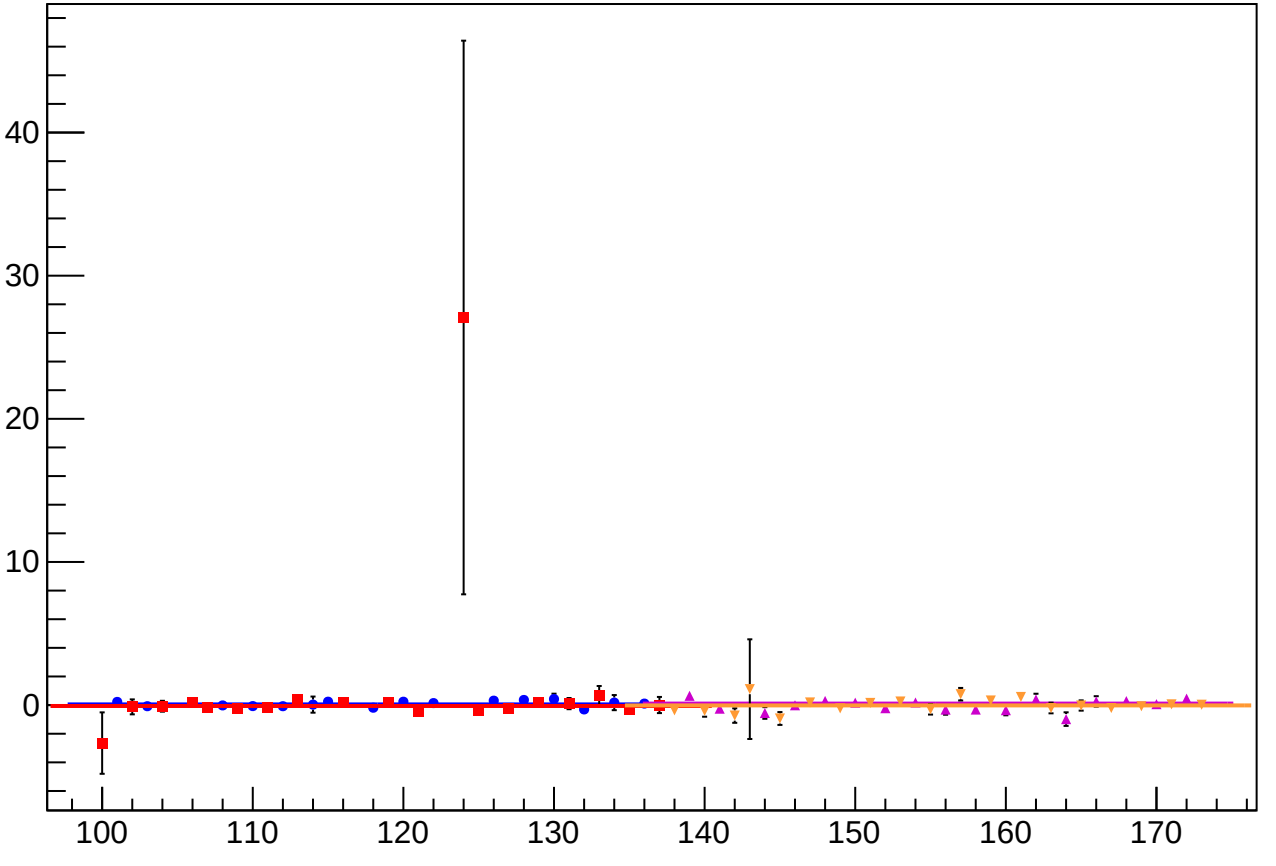
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 206.517+/-0.034 χ^2/NDF:4677256.2/32

Out: 197.091+/-0.033 χ^2/NDF:7326344.0/37

All: 201.648+/-0.024 χ^2/NDF: 12042849.6/70

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: -0.021+/-0.068 χ^2/NDF:19.5/18

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.106+/-0.071 χ^2/NDF:25.3/16

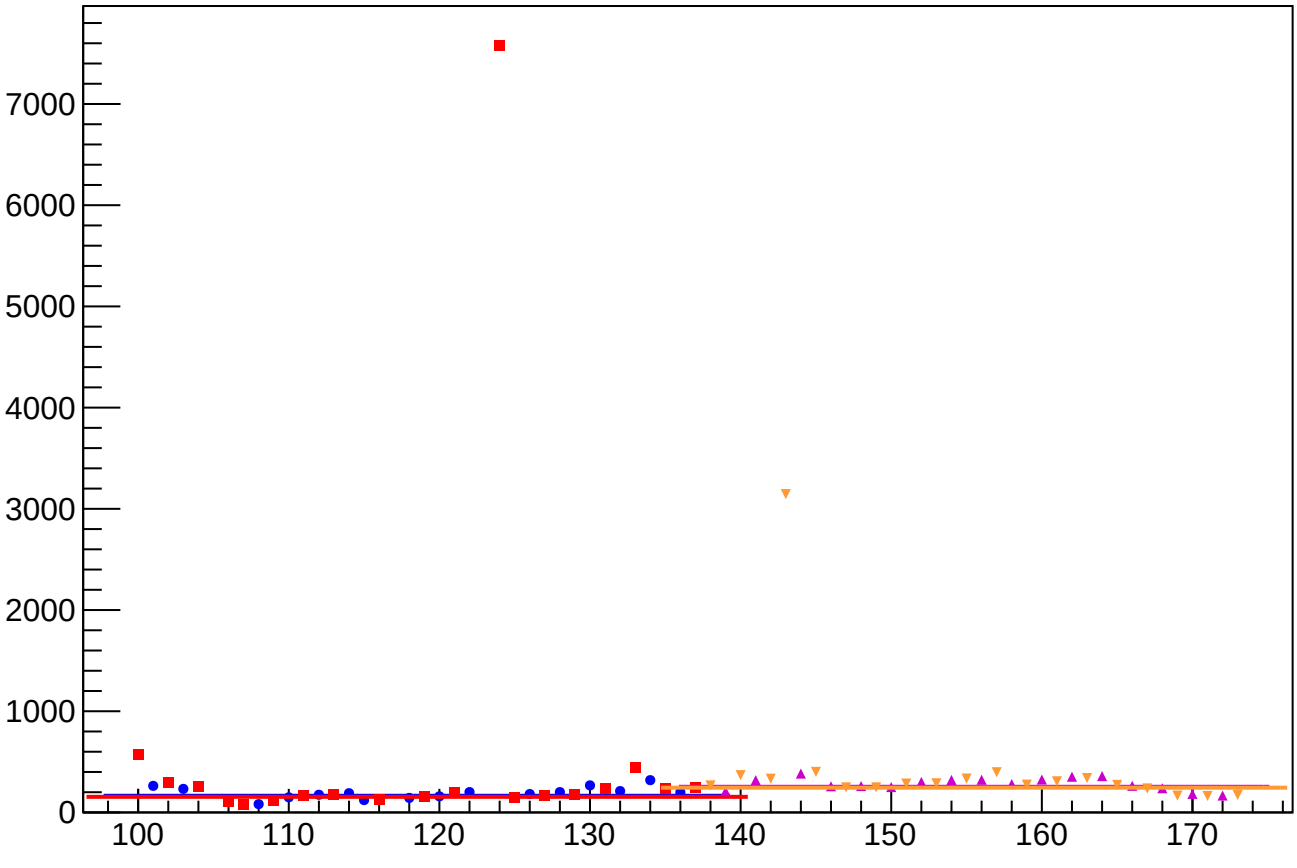
Left: 0.040+/-0.049 χ^2/NDF: 46.4/35

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.075+/-0.048 χ^2/NDF:33.2/32

Out: -0.042+/-0.047 χ^2/NDF:38.1/37

All: 0.014+/-0.034 χ^2/NDF: 74.4/70



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 244.792+/-0.048 χ^2/NDF:3543520.4/18

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 253.539+/-0.050 χ^2/NDF:1527284.3/16

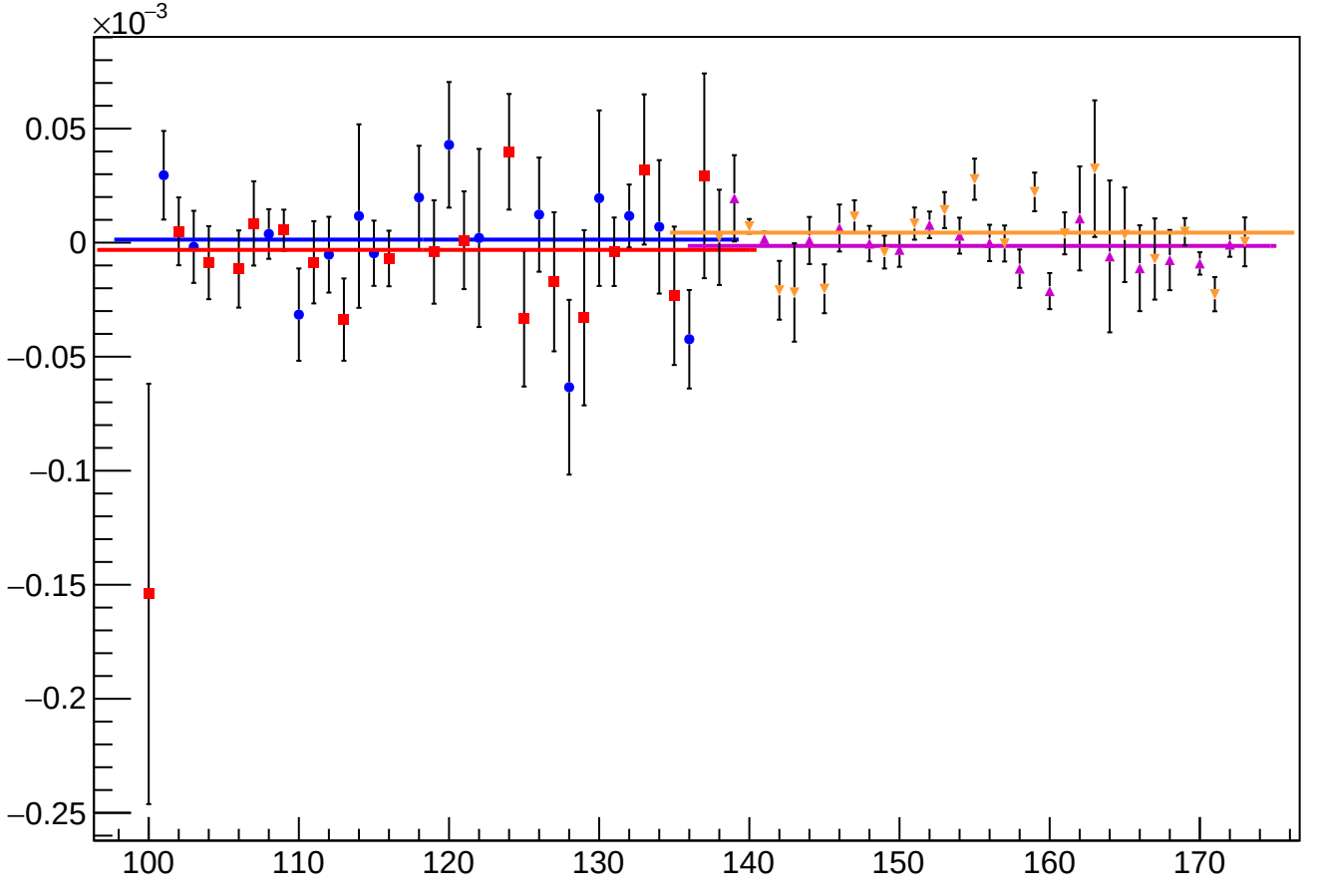
Left: 249.008+/-0.035 χ^2/NDF: 5086723.8/35

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 206.517+/-0.034 χ^2/NDF:4677256.2/32

Out: 197.091+/-0.033 χ^2/NDF:7326344.0/37

All: 201.648+/-0.024 χ^2/NDF: 12042849.6/70



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:16.6/16

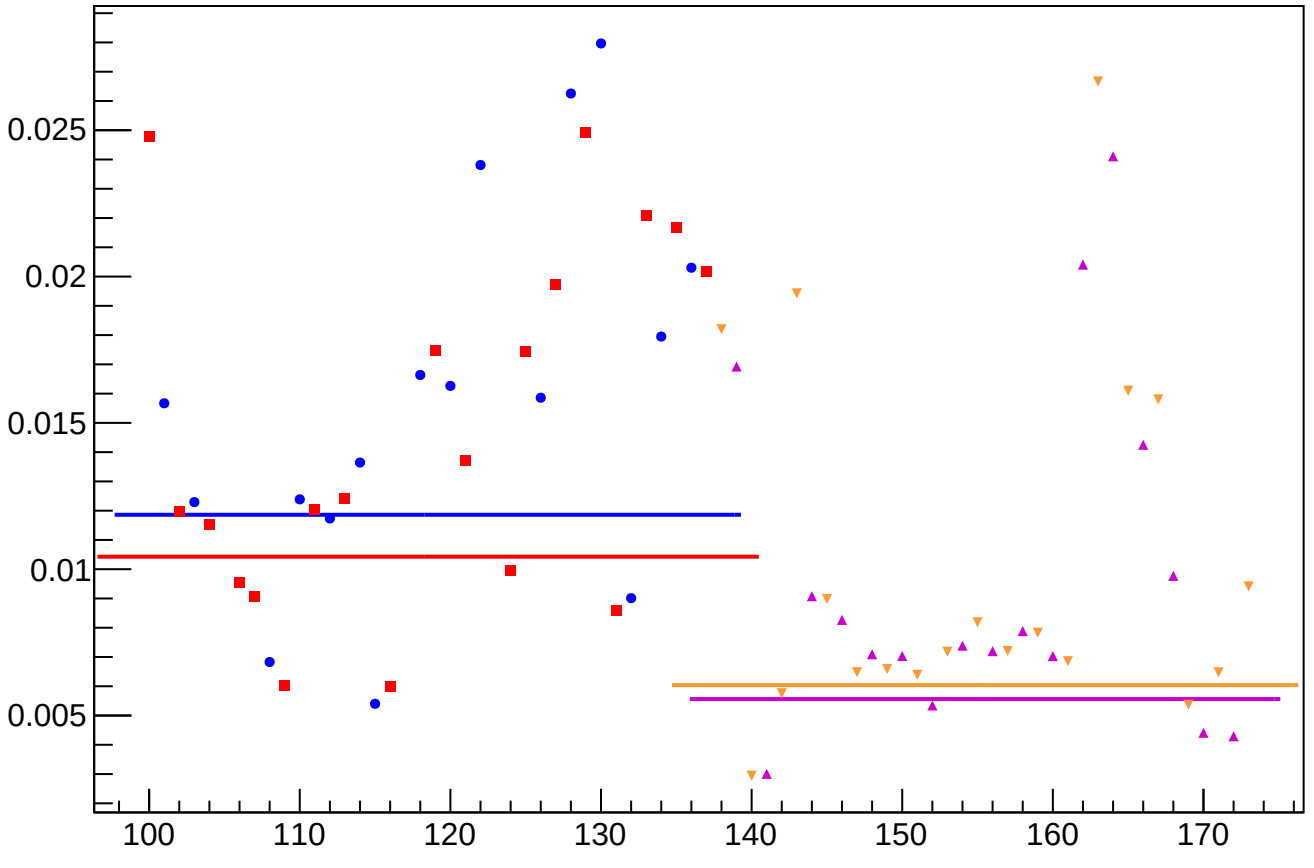
Left: 0.000+/-0.000 χ^2/NDF: 63.6/35

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: -0.000+/-0.000 χ^2/NDF:33.1/32

Out: 0.000+/-0.000 χ^2/NDF:58.9/37

All: 0.000+/-0.000 χ^2/NDF: 95.4/70



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:6039221.9/18

Right Out: 0.010+/-0.000 χ^2/NDF: 2355101.8/18

Left In: 0.006+/-0.000 χ^2/NDF:5256268.5/16

Left: 0.006+/-0.000 χ^2/NDF: 11368023.3/35

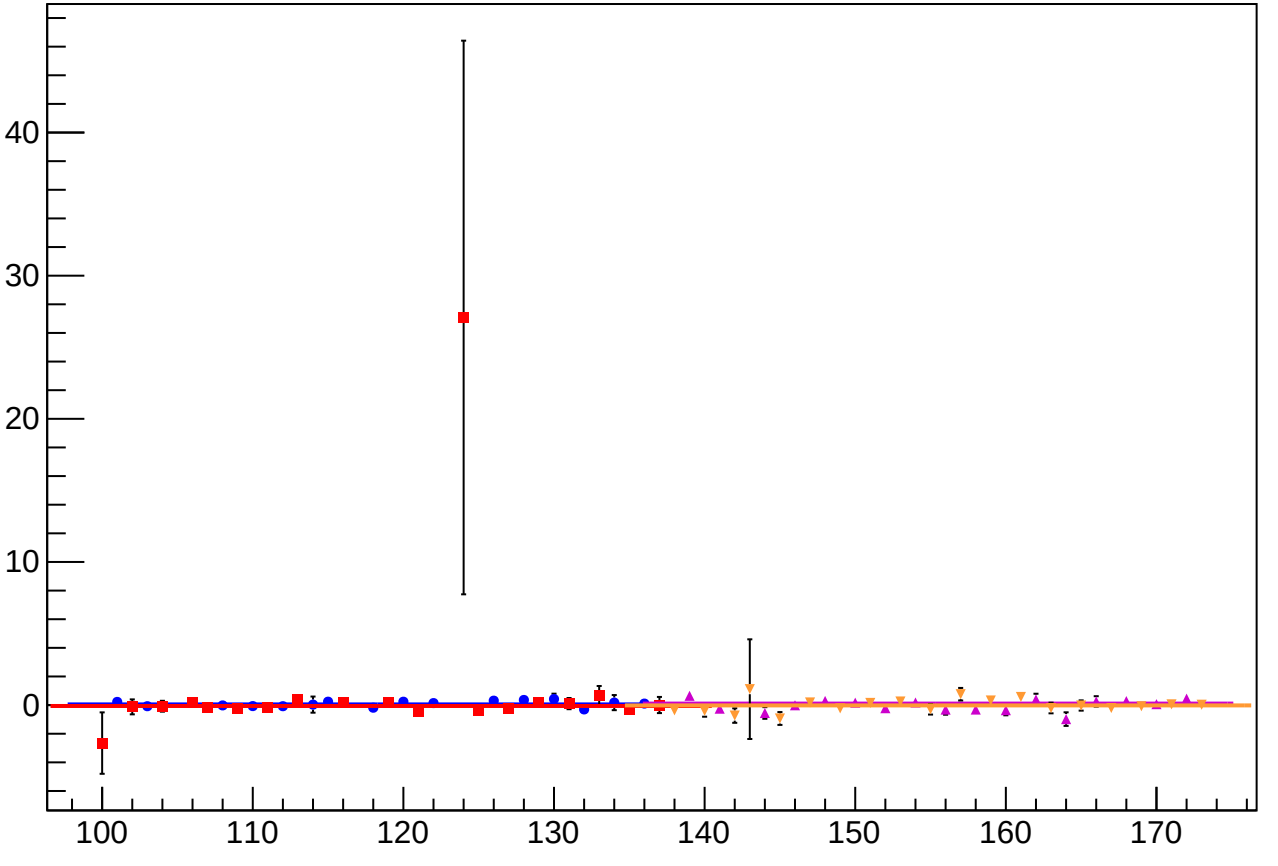
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.006+/-0.000 χ^2/NDF:10626673.6/32

Out: 0.007+/-0.000 χ^2/NDF:10207437.1/37

All: 0.006+/-0.000 χ^2/NDF: 20907095.7/70

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: -0.021+/-0.068 χ^2/NDF:19.5/18

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.106+/-0.071 χ^2/NDF:25.3/16

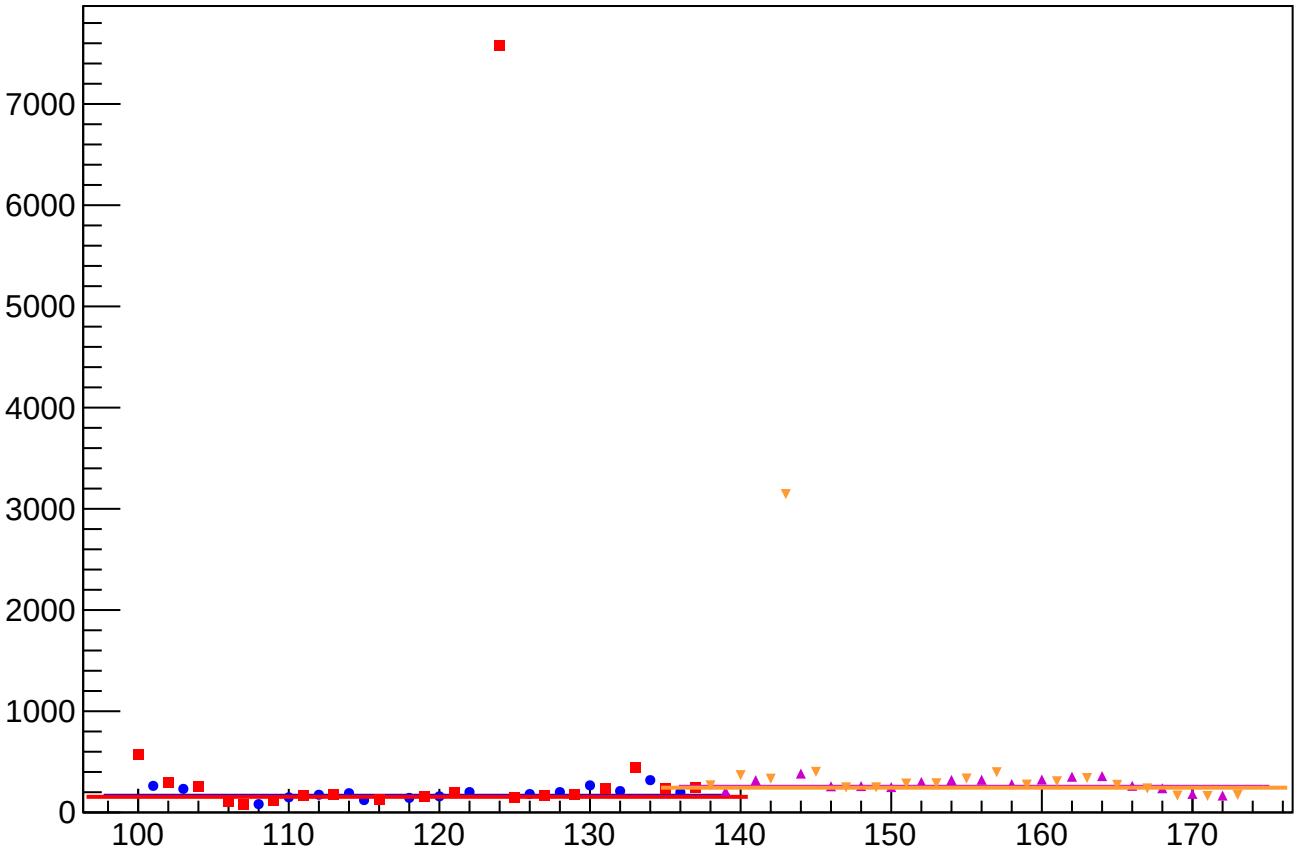
Left: 0.040+/-0.049 χ^2/NDF: 46.4/35

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.075+/-0.048 χ^2/NDF:33.2/32

Out: -0.042+/-0.047 χ^2/NDF:38.1/37

All: 0.014+/-0.034 χ^2/NDF: 74.4/70



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 244.793+/-0.048 χ^2/NDF:3543640.8/18

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 253.541+/-0.050 χ^2/NDF:1527318.7/16

Left: 249.010+/-0.035 χ^2/NDF: 5086884.7/35

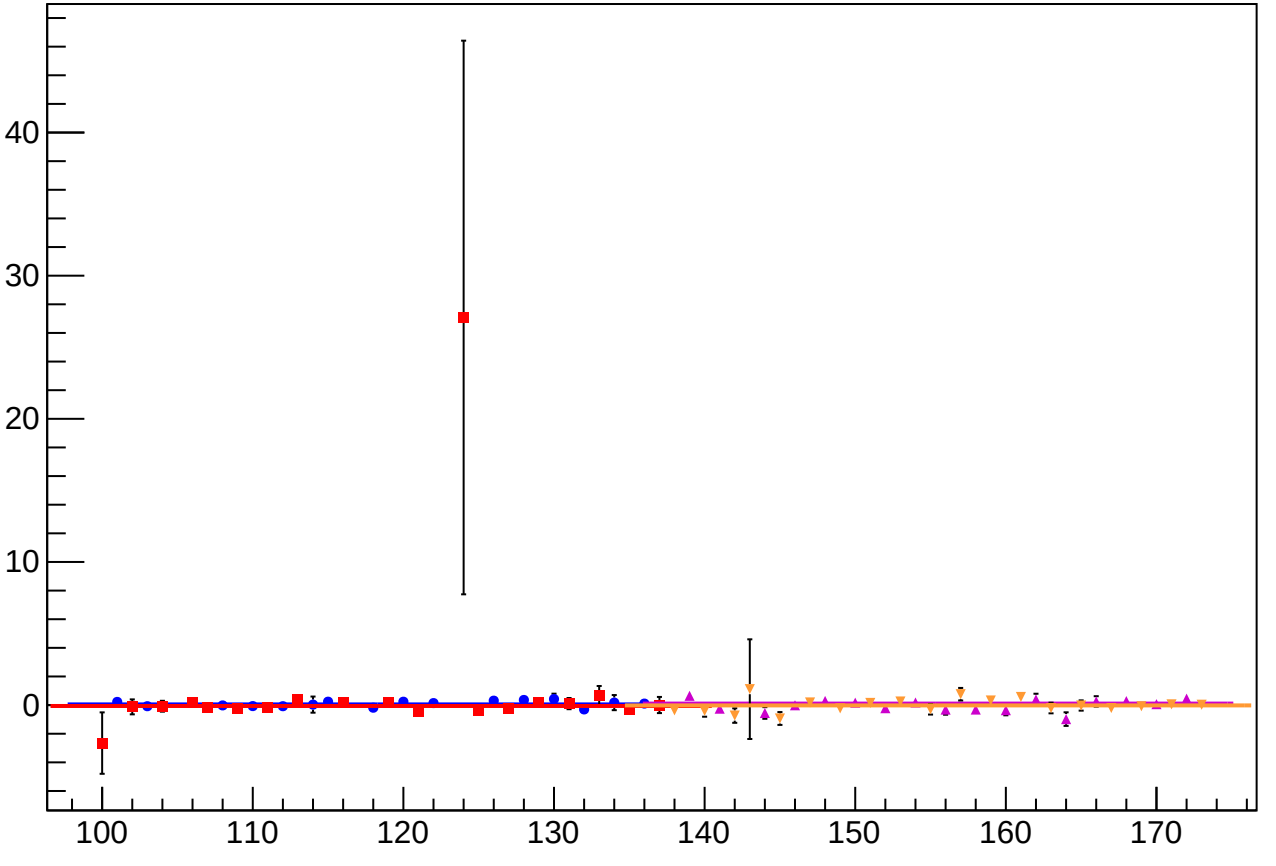
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 206.517+/-0.034 χ^2/NDF:4677365.5/32

Out: 197.091+/-0.033 χ^2/NDF:7326535.8/37

All: 201.648+/-0.024 χ^2/NDF: 12043154.9/70

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: -0.021+/-0.068 χ^2/NDF:19.5/18

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.106+/-0.071 χ^2/NDF:25.3/16

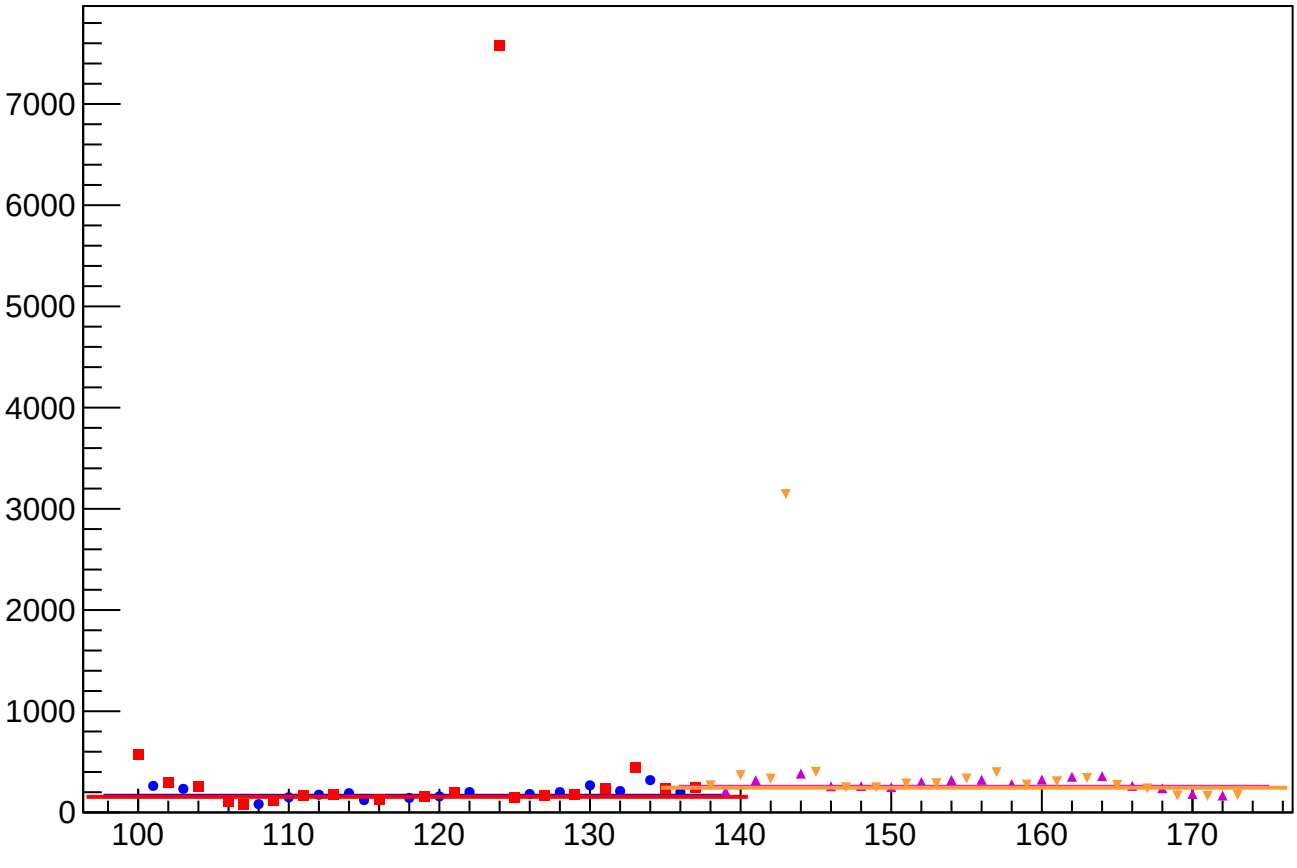
Left: 0.040+/-0.049 χ^2/NDF: 46.4/35

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.075+/-0.048 χ^2/NDF:33.2/32

Out: -0.042+/-0.047 χ^2/NDF:38.1/37

All: 0.014+/-0.034 χ^2/NDF: 74.4/70



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 244.793+/-0.048 χ^2/NDF:3543640.8/18

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 253.541+/-0.050 χ^2/NDF:1527318.7/16

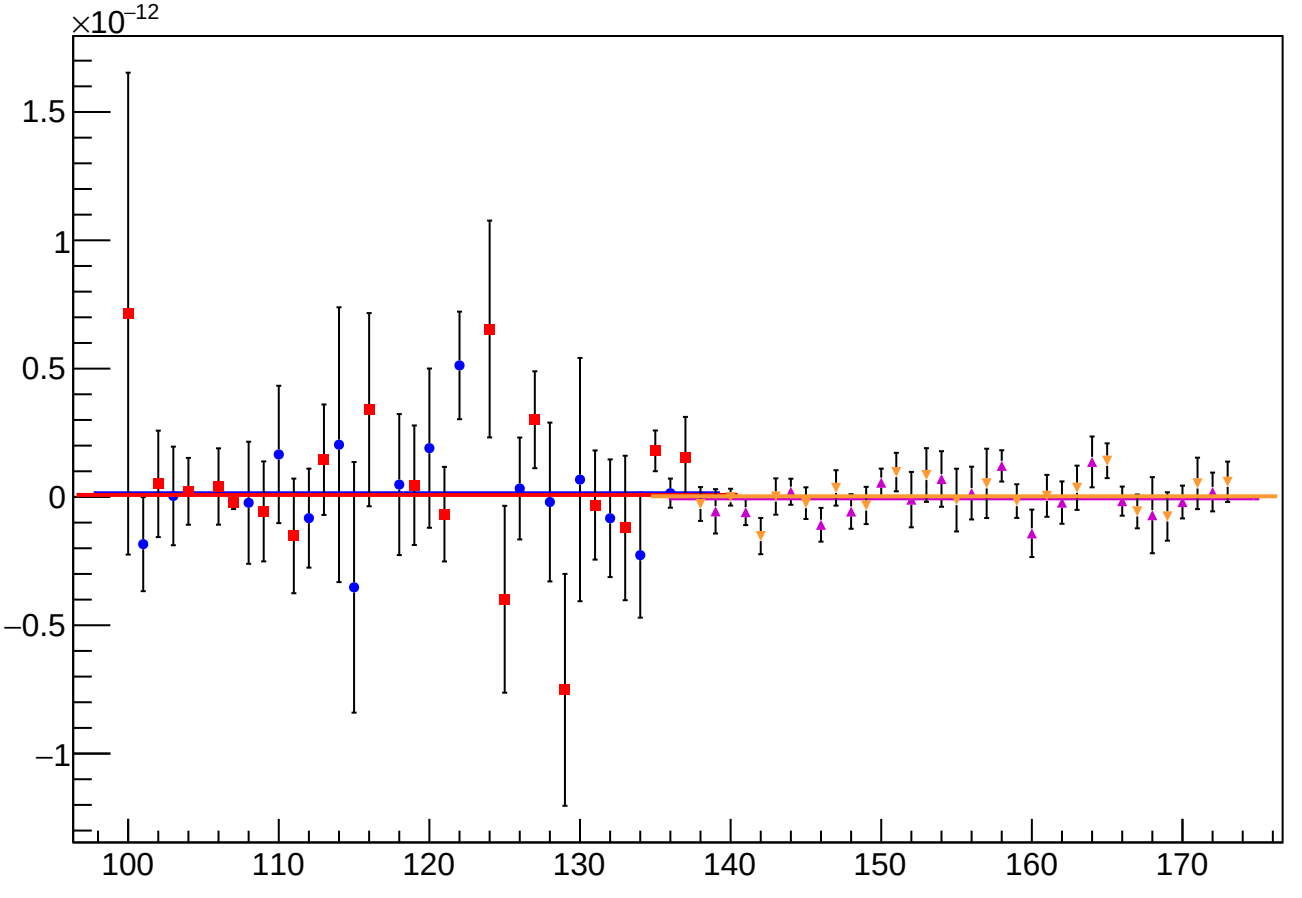
Left: 249.010+/-0.035 χ^2/NDF: 5086884.7/35

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 206.517+/-0.034 χ^2/NDF:4677365.5/32

Out: 197.091+/-0.033 χ^2/NDF:7326535.8/37

All: 201.648+/-0.024 χ^2/NDF: 12043154.9/70



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:15.5/16

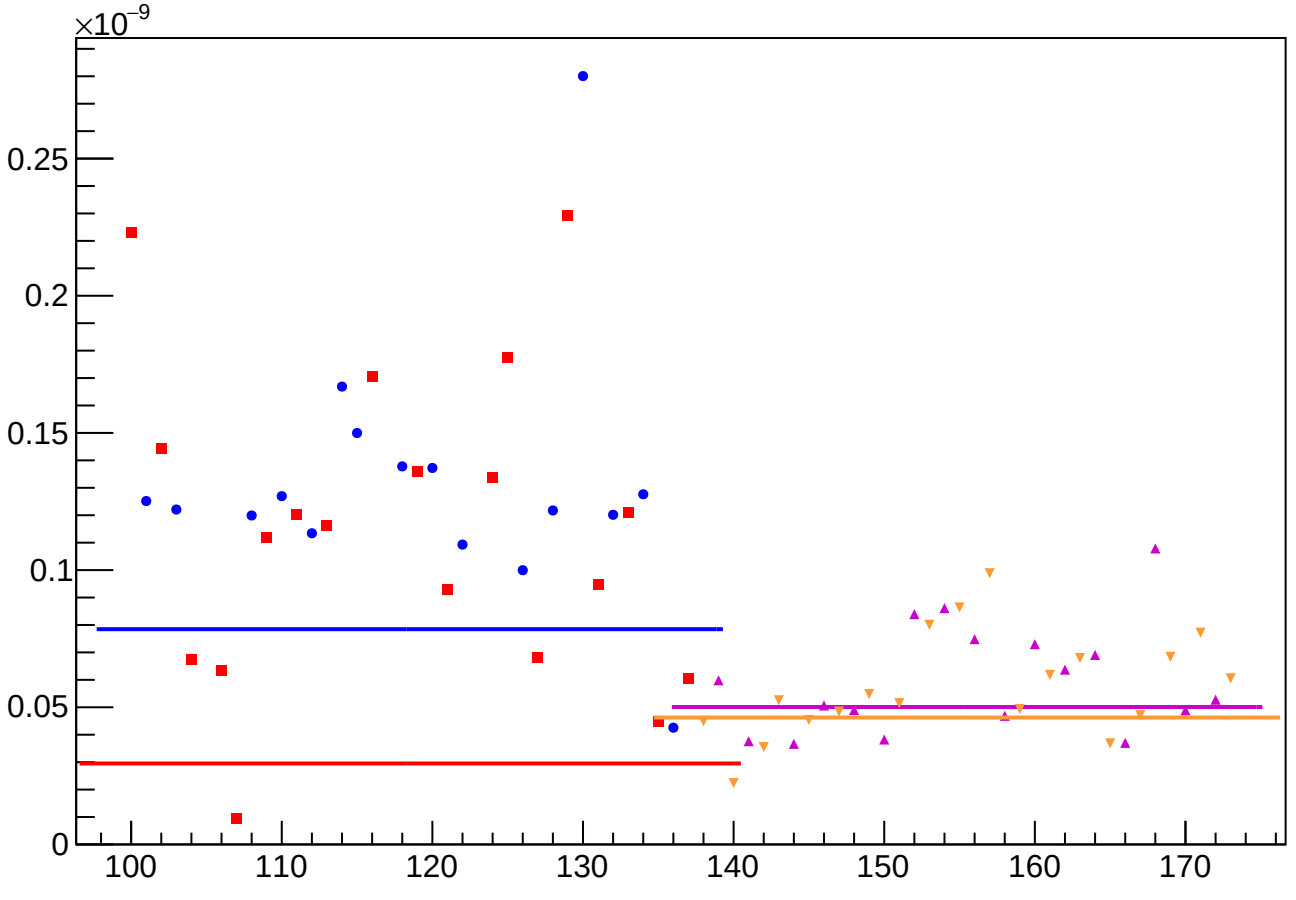
Left: -0.000+/-0.000 χ^2/NDF: 30.3/35

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: -0.000+/-0.000 χ^2/NDF:25.3/32

Out: 0.000+/-0.000 χ^2/NDF:33.1/37

All: 0.000+/-0.000 χ^2/NDF: 58.5/70



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2499836.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1584166.3/16

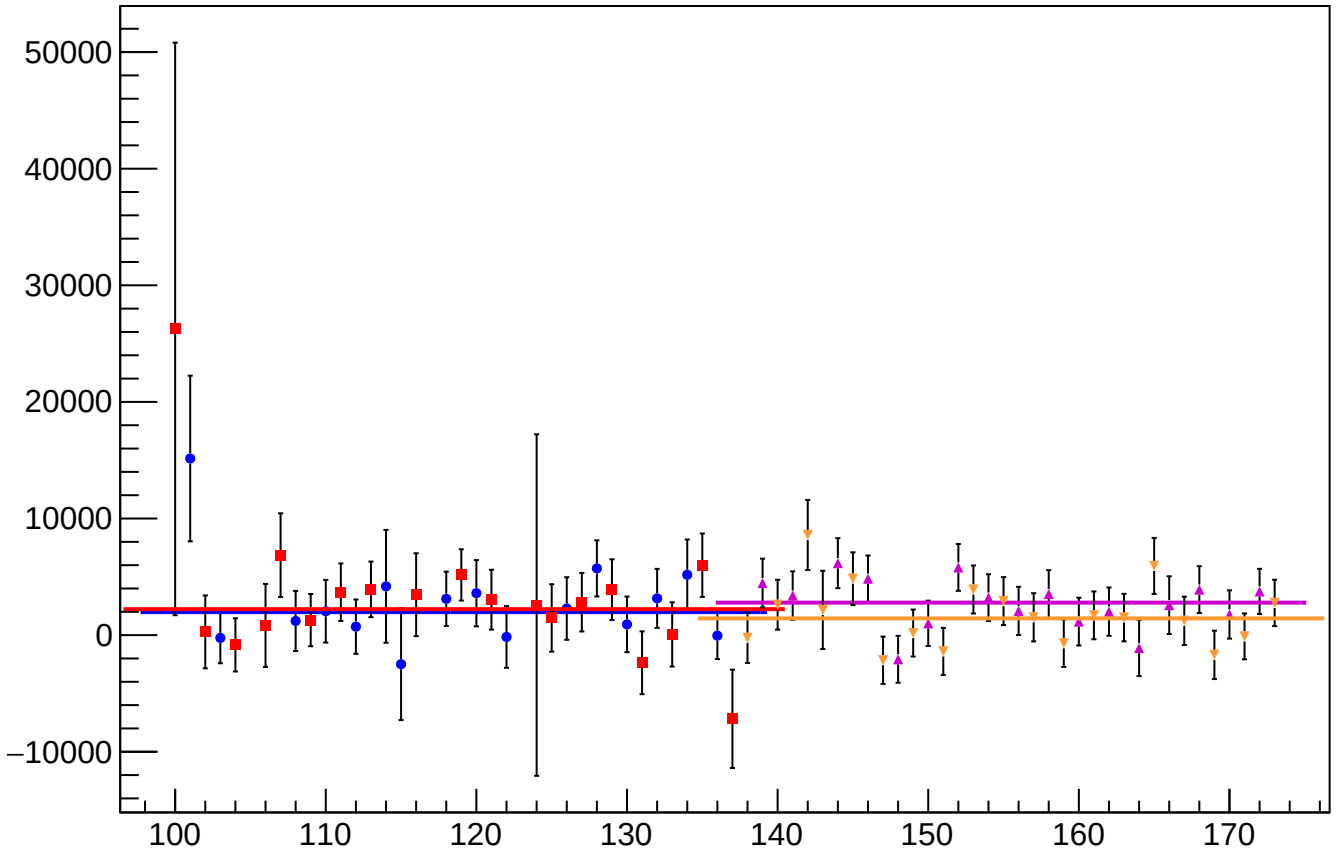
Left: 0.000+/-0.000 χ^2/NDF: 4137346.6/35

Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:4455558.0/32

Out: 0.000+/-0.000 χ^2/NDF:8707017.0/37

All: 0.000+/-0.000 χ^2/NDF: 13992010.7/70



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1438.382+/-491.388 χ^2/NDF:24.3/18

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 2786.875+/-501.900 χ^2/NDF:17.7/16

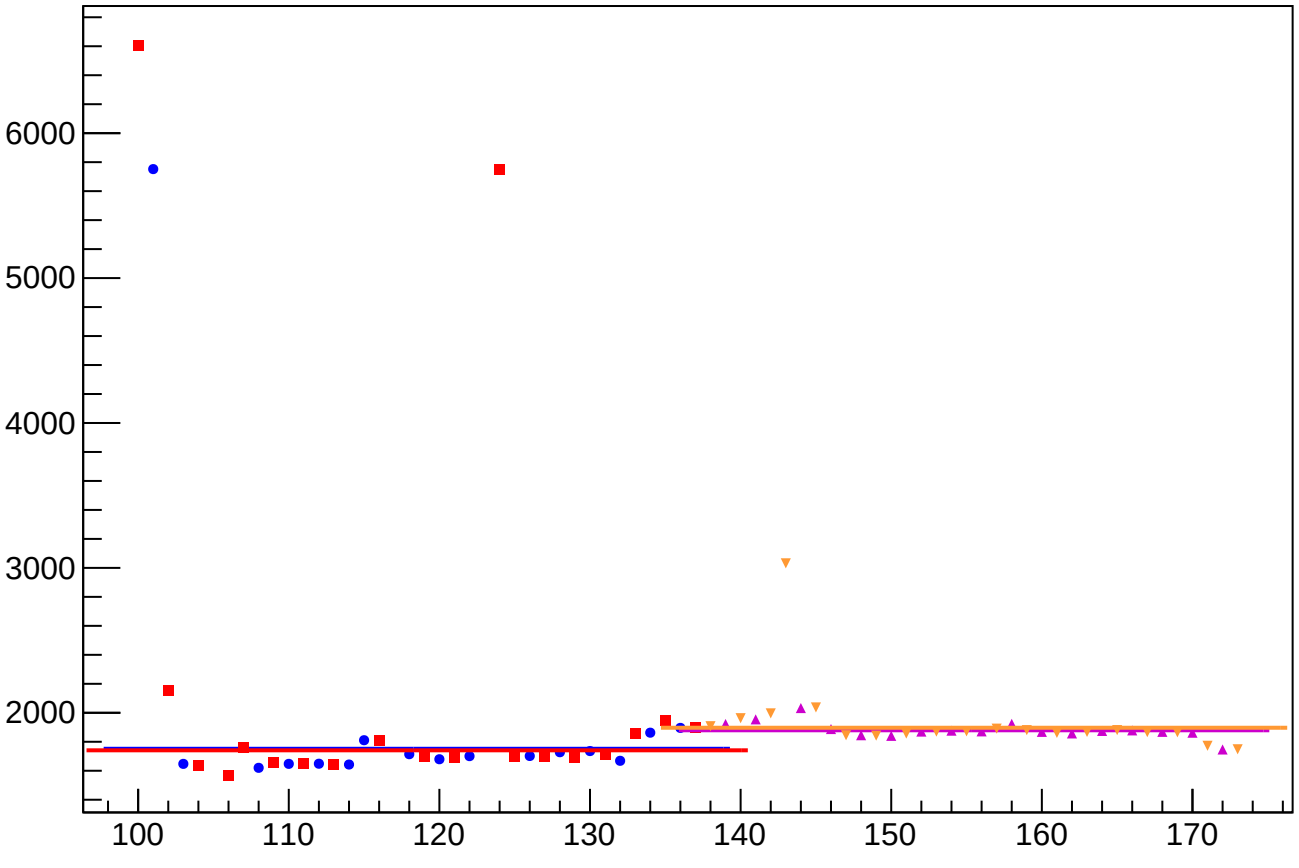
Left: 2098.358+/-351.121 χ^2/NDF: 45.7/35

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2494.234+/-401.198 χ^2/NDF:30.8/32

Out: 1721.376+/-393.348 χ^2/NDF:44.2/37

All: 2100.170+/-280.873 χ^2/NDF: 76.9/70



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1896.777+/-0.347 χ^2/NDF:266022.1/18

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1879.337+/-0.355 χ^2/NDF:25976.8/16

Left: 1888.241+/-0.248 χ^2/NDF: 293231.8/35

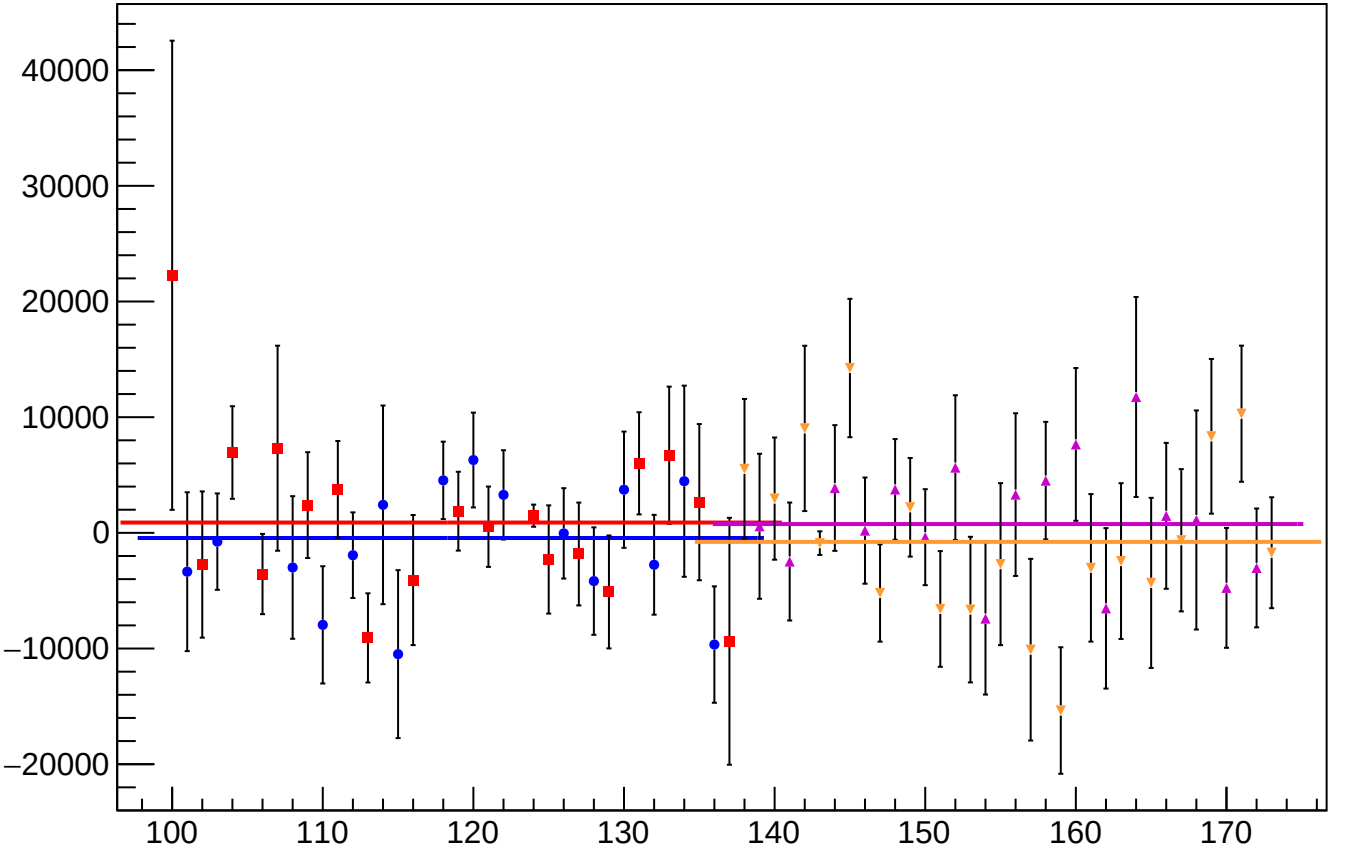
Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1833.223+/-0.284 χ^2/NDF:743393.8/32

Out: 1840.306+/-0.277 χ^2/NDF:643515.4/37

All: 1836.844+/-0.198 χ^2/NDF: 1387227.9/70

asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -778.627+/-816.370 χ^2/NDF:28.1/18

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 761.003+/-1370.544 χ^2/NDF:9.6/16

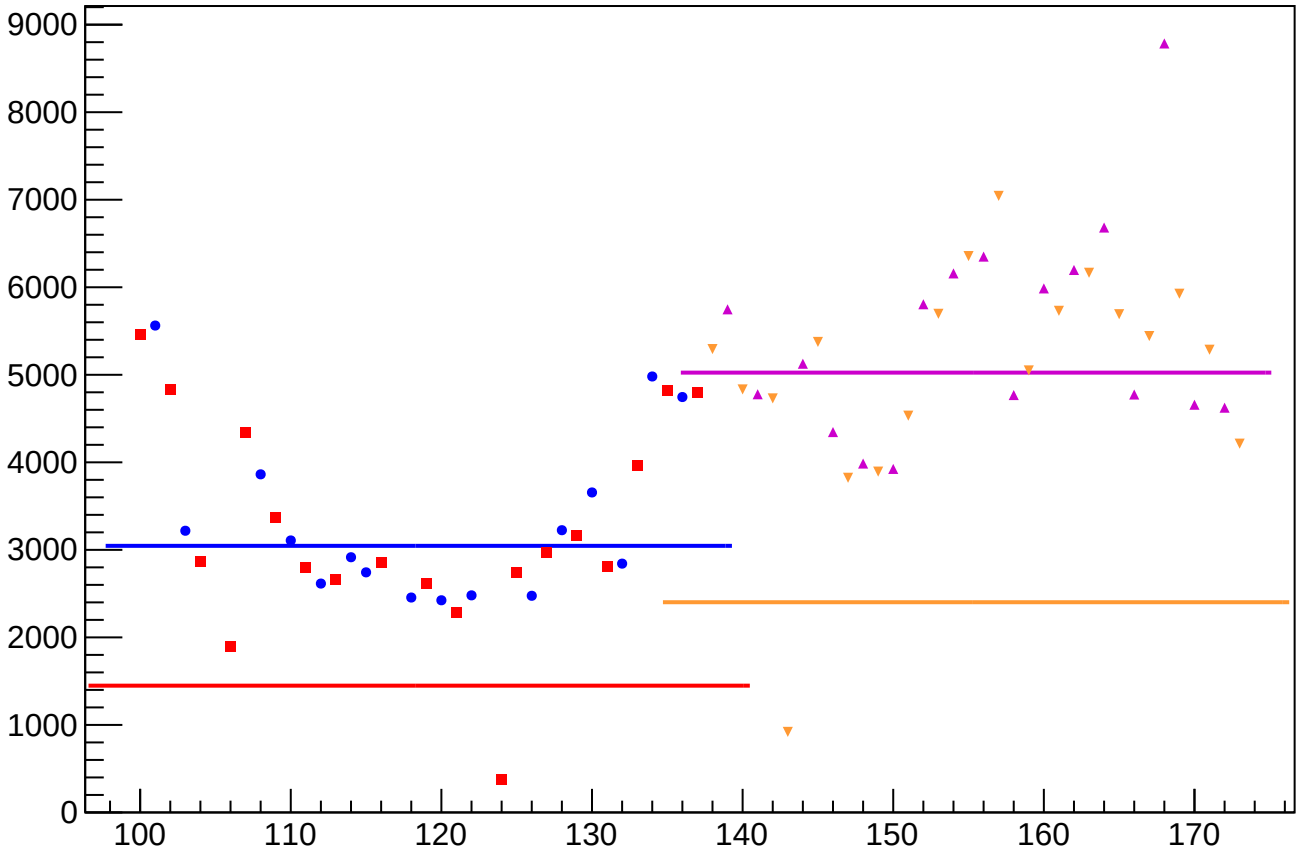
Left: -375.420+/-701.373 χ^2/NDF: 38.6/35

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: 66.045+/-891.805 χ^2/NDF:26.0/32

Out: 154.667+/-542.398 χ^2/NDF:50.5/37

All: 130.737+/-463.417 χ^2/NDF: 76.5/70



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2401.753+/-0.577 χ^2/NDF:12357756.4/18

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 5024.838+/-0.969 χ^2/NDF:1011138.6/16

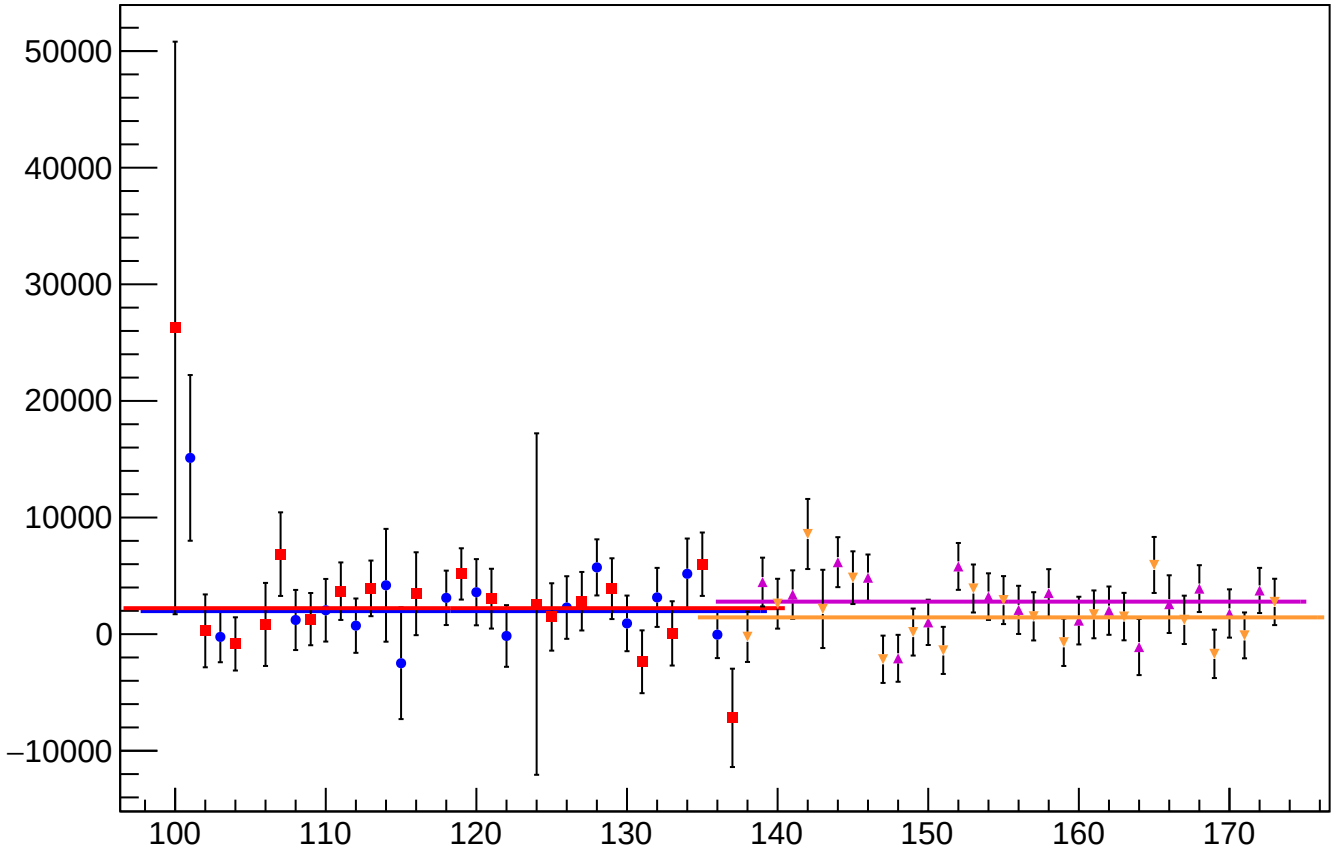
Left: 3088.701+/-0.496 χ^2/NDF: 18776344.2/35

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3883.798+/-0.631 χ^2/NDF:4322737.1/32

Out: 1869.305+/-0.384 χ^2/NDF:20667795.1/37

All: 2413.269+/-0.328 χ^2/NDF: 32440074.9/7



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1438.384+/-491.388 χ^2/NDF:24.3/18

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2786.948+/-501.900 χ^2/NDF:17.7/16

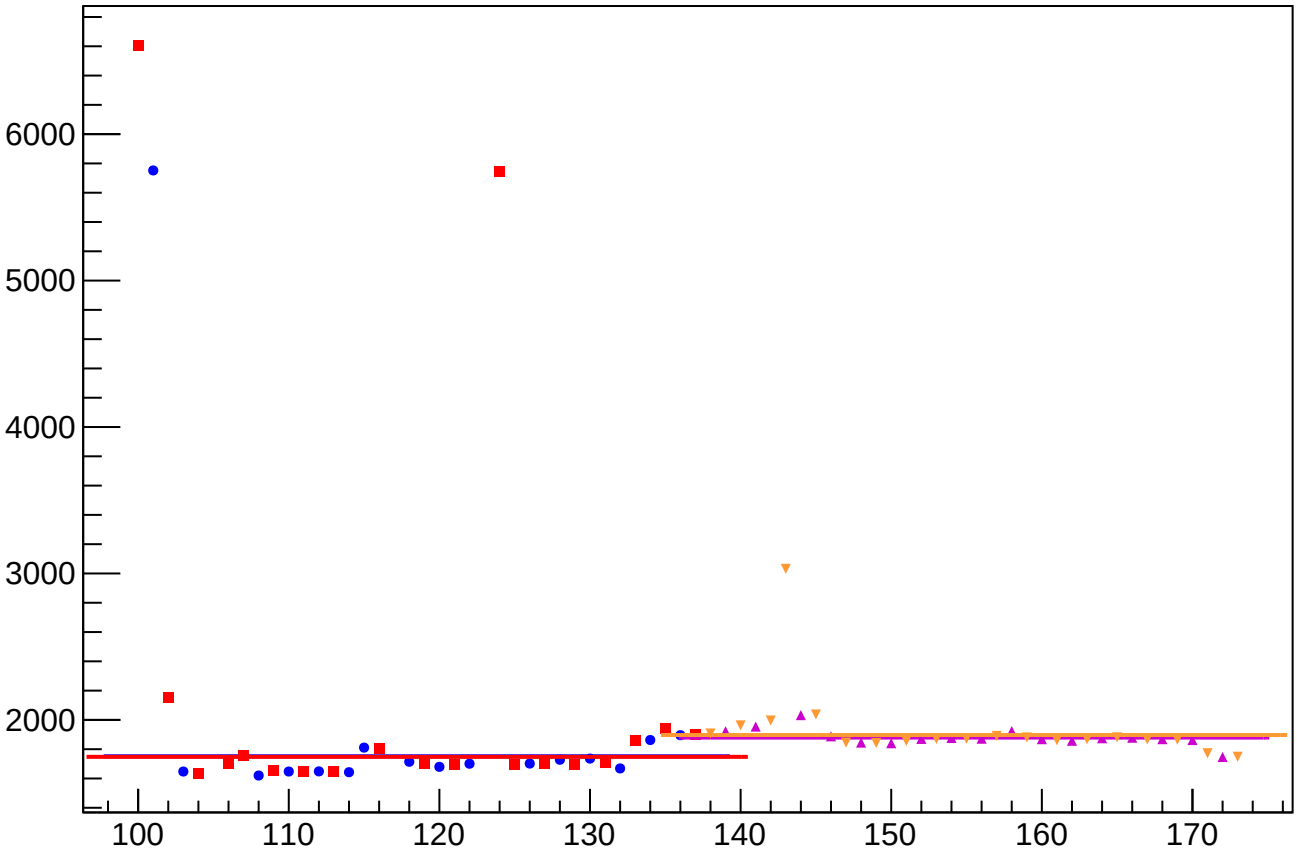
Left: 2098.394+/-351.121 χ^2/NDF: 45.7/35

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2494.153+/-401.198 χ^2/NDF:30.8/32

Out: 1721.411+/-393.348 χ^2/NDF:44.2/37

All: 2100.149+/-280.873 χ^2/NDF: 76.9/70



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1896.777+/-0.347 χ^2/NDF:266022.1/18

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1879.337+/-0.355 χ^2/NDF:25976.8/16

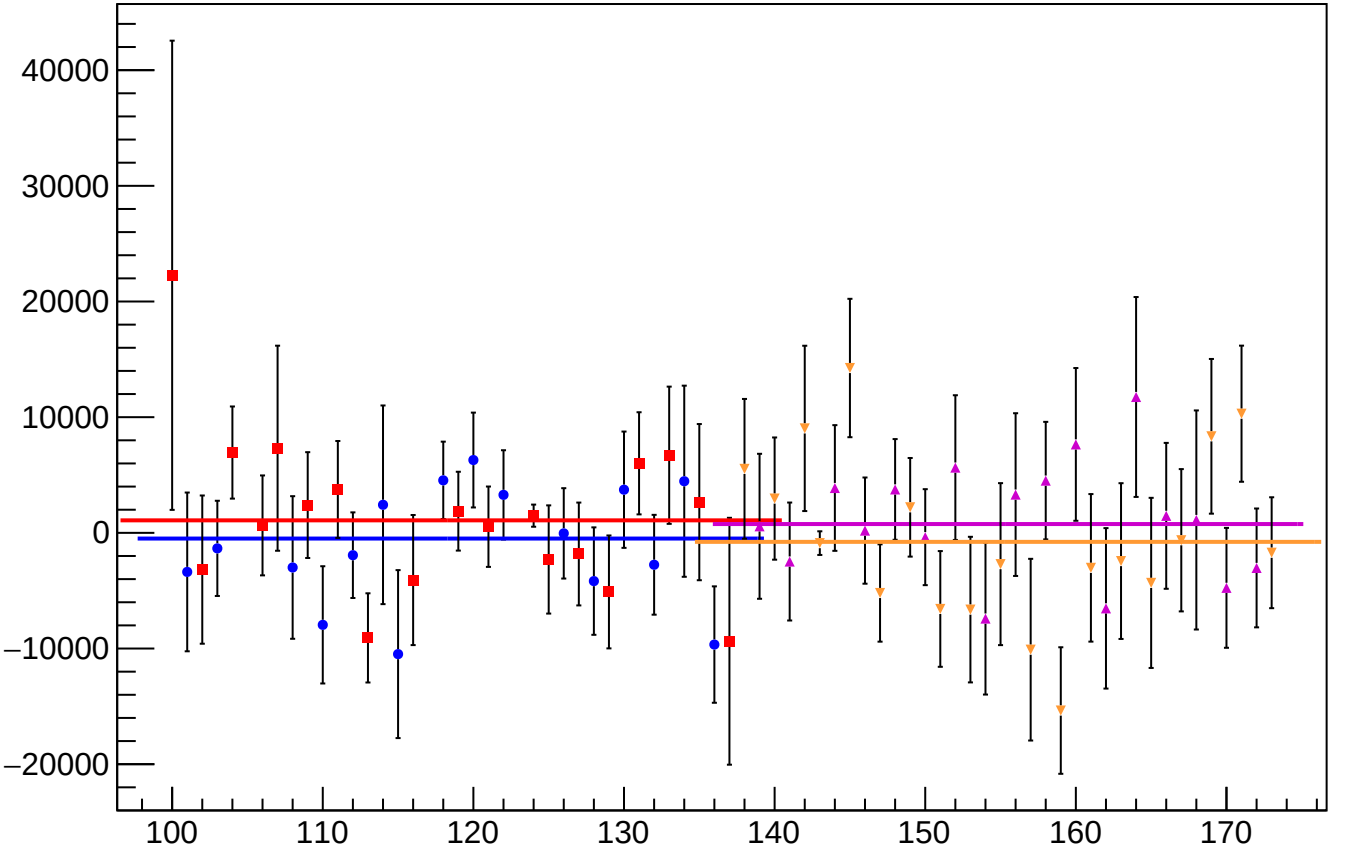
Left: 1888.241+/-0.248 χ^2/NDF: 293231.8/35

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1833.223+/-0.284 χ^2/NDF:743394.2/32

Out: 1842.998+/-0.278 χ^2/NDF:630306.4/37

All: 1838.213+/-0.198 χ^2/NDF: 1374306.8/70



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -778.473+/-816.349 χ^2/NDF:28.1/18

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 761.065+/-1370.544 χ^2/NDF:9.6/16

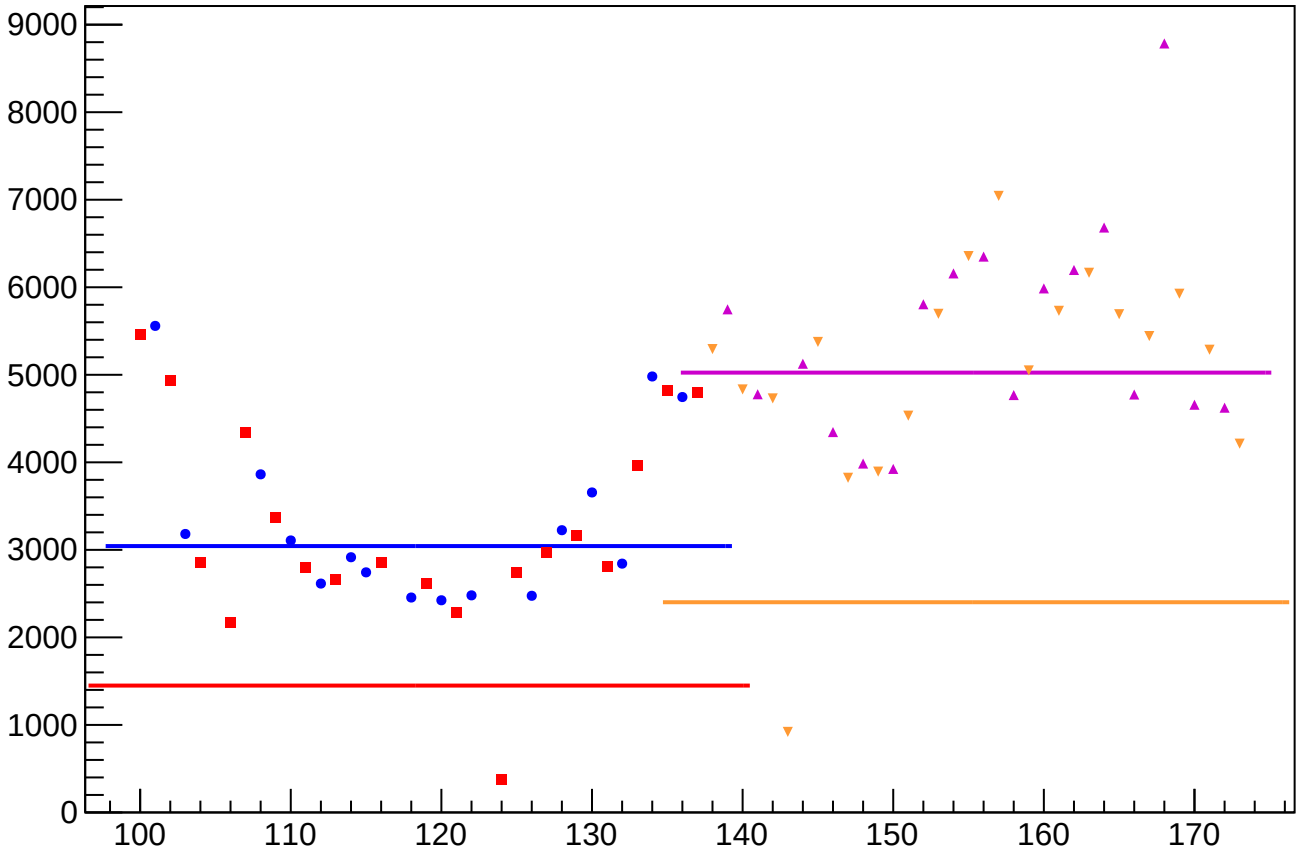
Left: -375.305+/-701.359 χ^2/NDF: 38.6/35

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 37.393+/-891.275 χ^2/NDF:26.1/32

Out: 252.900+/-544.767 χ^2/NDF:49.4/37

All: 194.286+/-464.817 χ^2/NDF: 75.5/70



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2401.651+/-0.577 χ^2/NDF:12358314.4/18

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 5024.837+/-0.969 χ^2/NDF:1011138.0/16

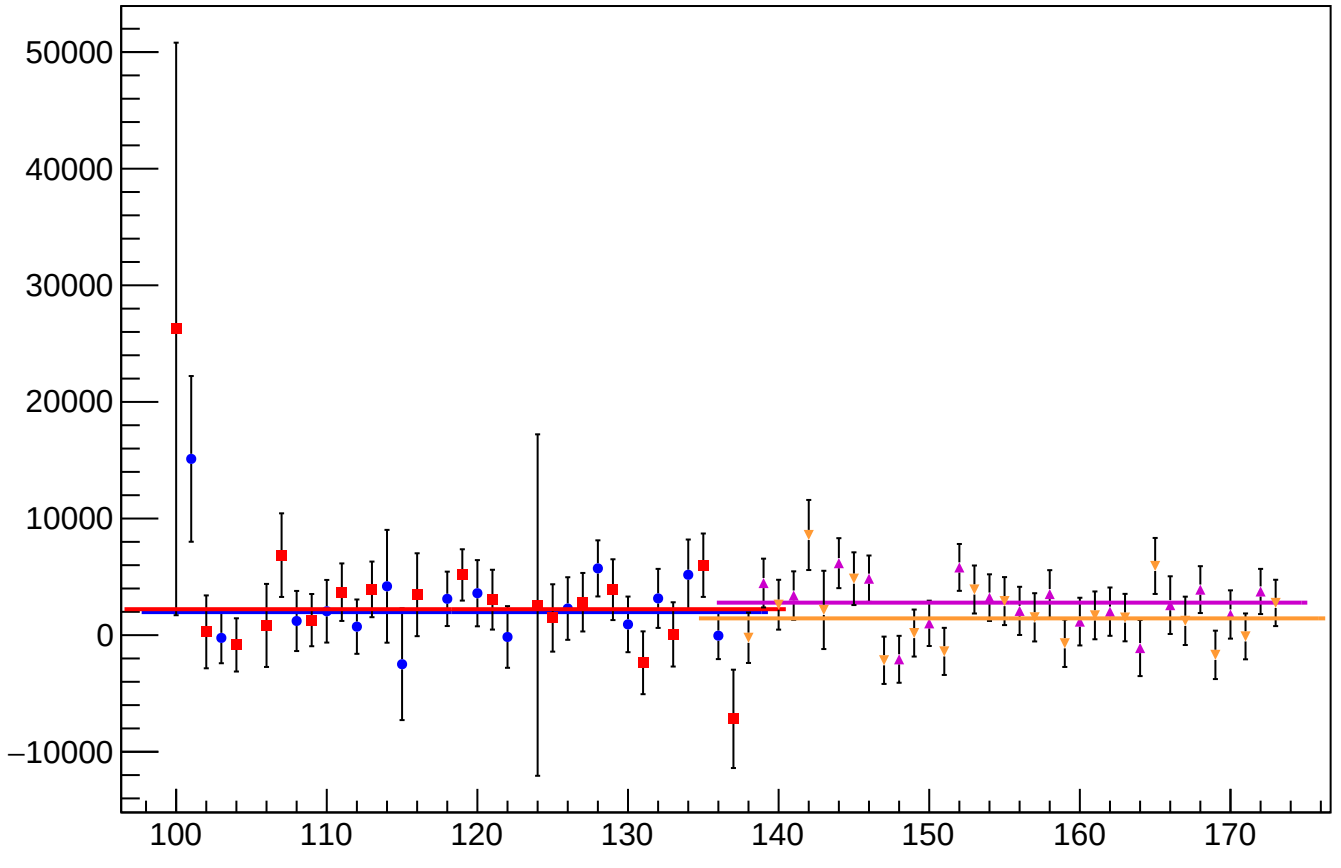
Left: 3088.600+/-0.496 χ^2/NDF: 18777391.0/35

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3881.275+/-0.630 χ^2/NDF:4329547.8/32

Out: 1873.520+/-0.385 χ^2/NDF:20693136.5/37

All: 2419.594+/-0.329 χ^2/NDF: 32411416.4/7



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1438.384+/-491.388 χ^2/NDF:24.3/18

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2786.948+/-501.900 χ^2/NDF:17.7/16

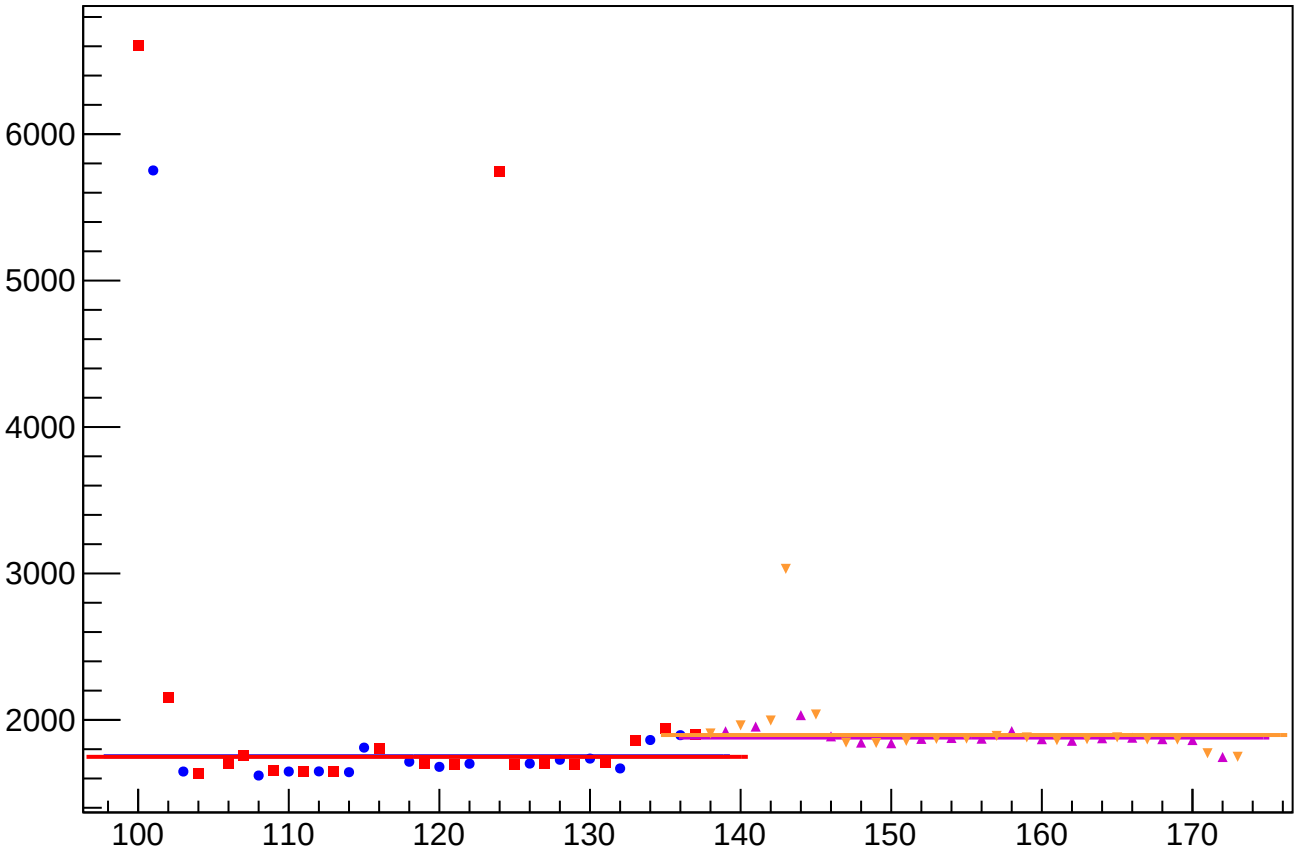
Left: 2098.394+/-351.121 χ^2/NDF: 45.7/35

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2494.153+/-401.198 χ^2/NDF:30.8/32

Out: 1721.411+/-393.348 χ^2/NDF:44.2/37

All: 2100.149+/-280.873 χ^2/NDF: 76.9/70



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1896.777+/-0.347 χ^2/NDF:266022.1/18

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1879.337+/-0.355 χ^2/NDF:25976.8/16

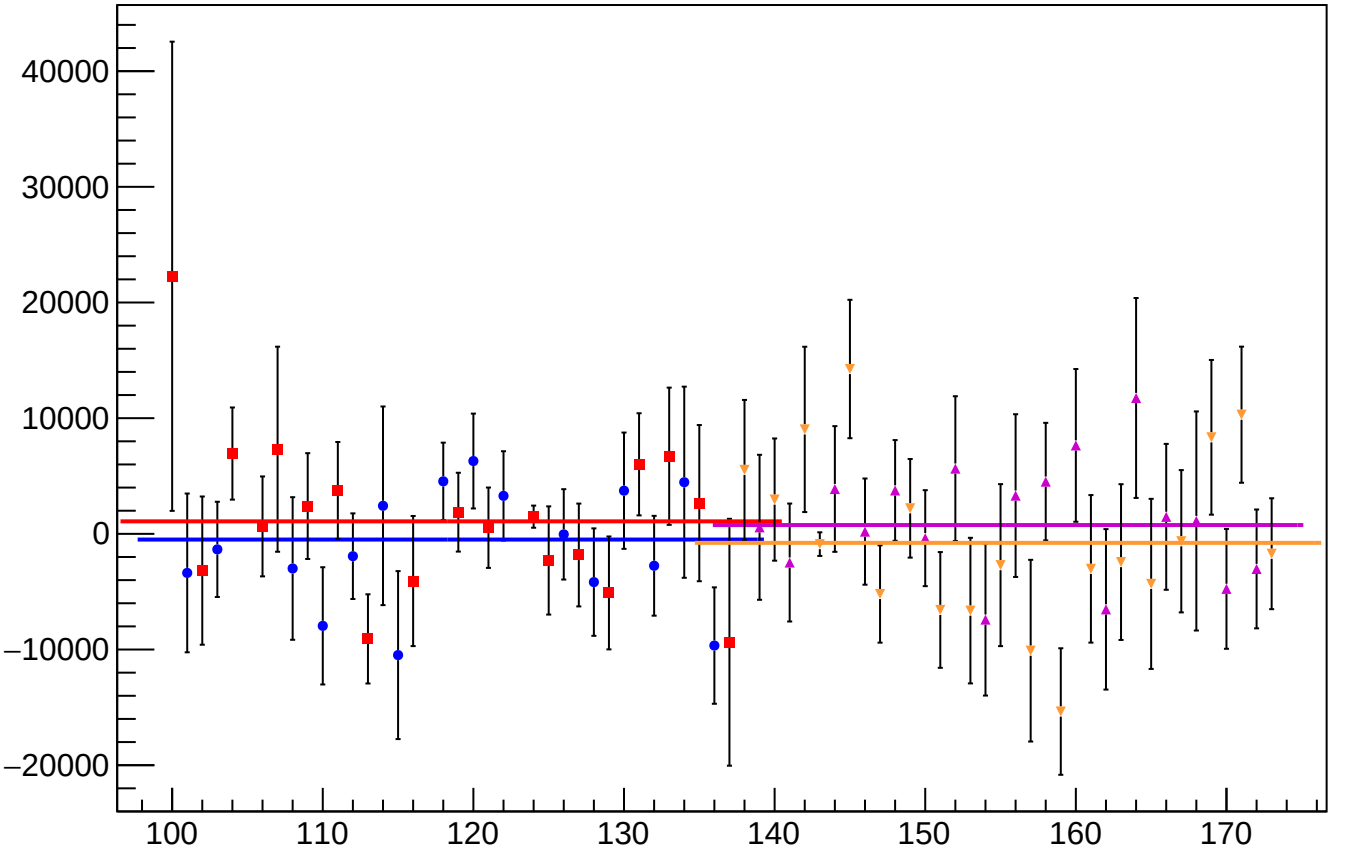
Left: 1888.241+/-0.248 χ^2/NDF: 293231.8/35

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1833.223+/-0.284 χ^2/NDF:743394.2/32

Out: 1842.998+/-0.278 χ^2/NDF:630306.4/37

All: 1838.213+/-0.198 χ^2/NDF: 1374306.8/70



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -778.473+/-816.349 χ^2/NDF:28.1/18

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 761.065+/-1370.544 χ^2/NDF:9.6/16

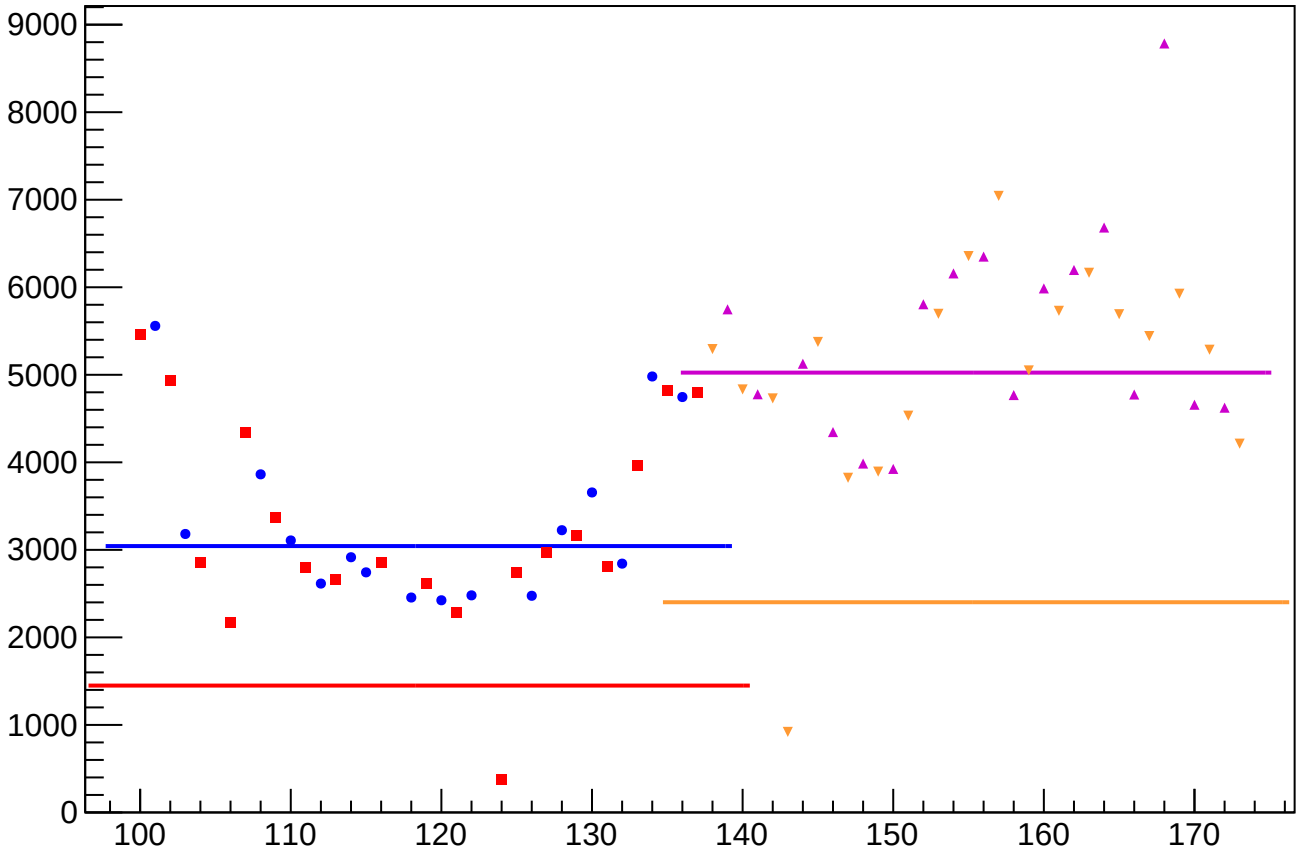
Left: -375.305+/-701.359 χ^2/NDF: 38.6/35

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 37.393+/-891.275 χ^2/NDF:26.1/32

Out: 252.900+/-544.767 χ^2/NDF:49.4/37

All: 194.286+/-464.817 χ^2/NDF: 75.5/70



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2401.651+/-0.577 χ^2/NDF:12358314.4/18

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 5024.837+/-0.969 χ^2/NDF:1011138.0/16

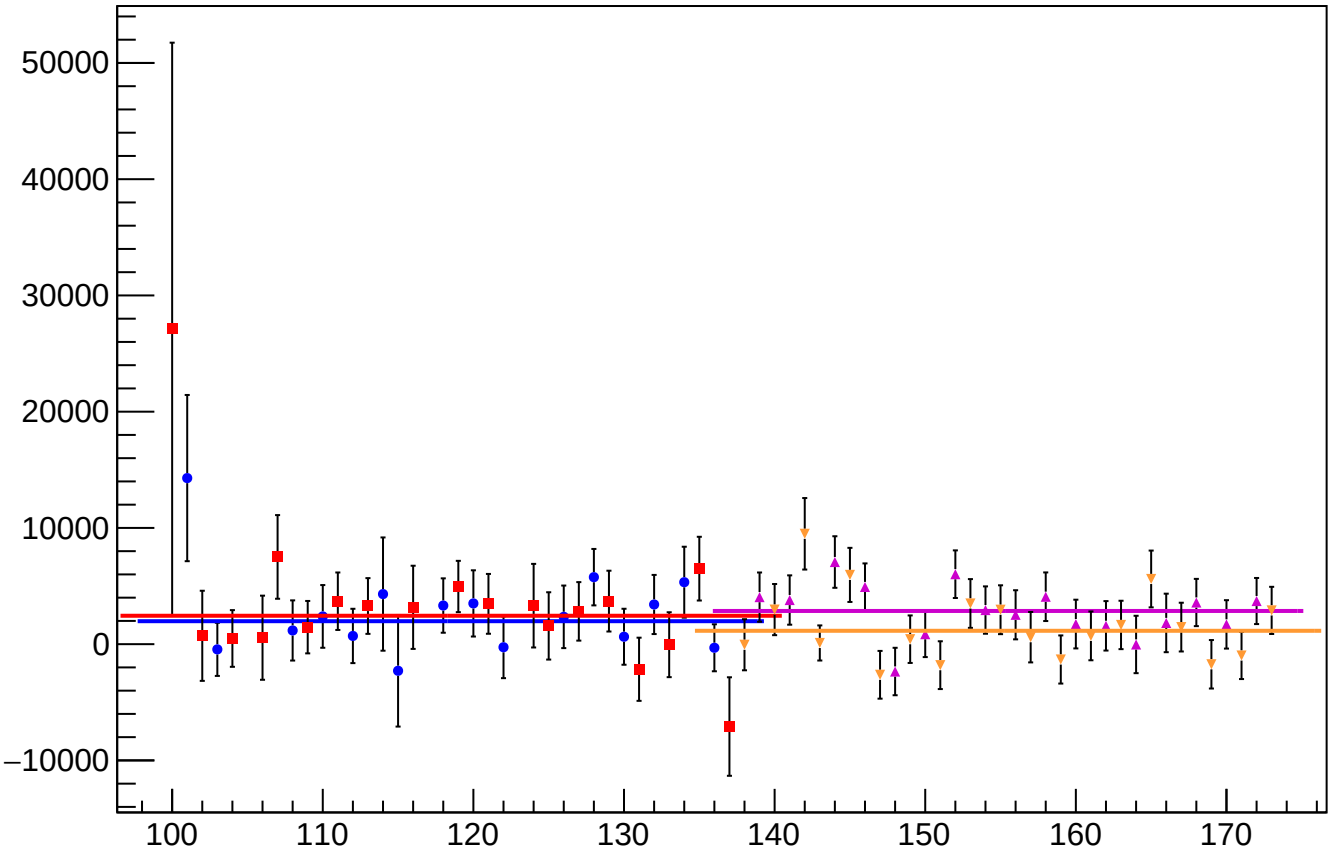
Left: 3088.600+/-0.496 χ^2/NDF: 18777391.0/35

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3881.275+/-0.630 χ^2/NDF:4329547.8/32

Out: 1873.520+/-0.385 χ^2/NDF:20693136.5/37

All: 2419.594+/-0.329 χ^2/NDF: 32411416.4/



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1150.585+/-480.868 χ^2/NDF:29.4/18

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2856.101+/-511.667 χ^2/NDF:18.3/16

Left: 1950.471+/-350.407 χ^2/NDF: 53.5/35

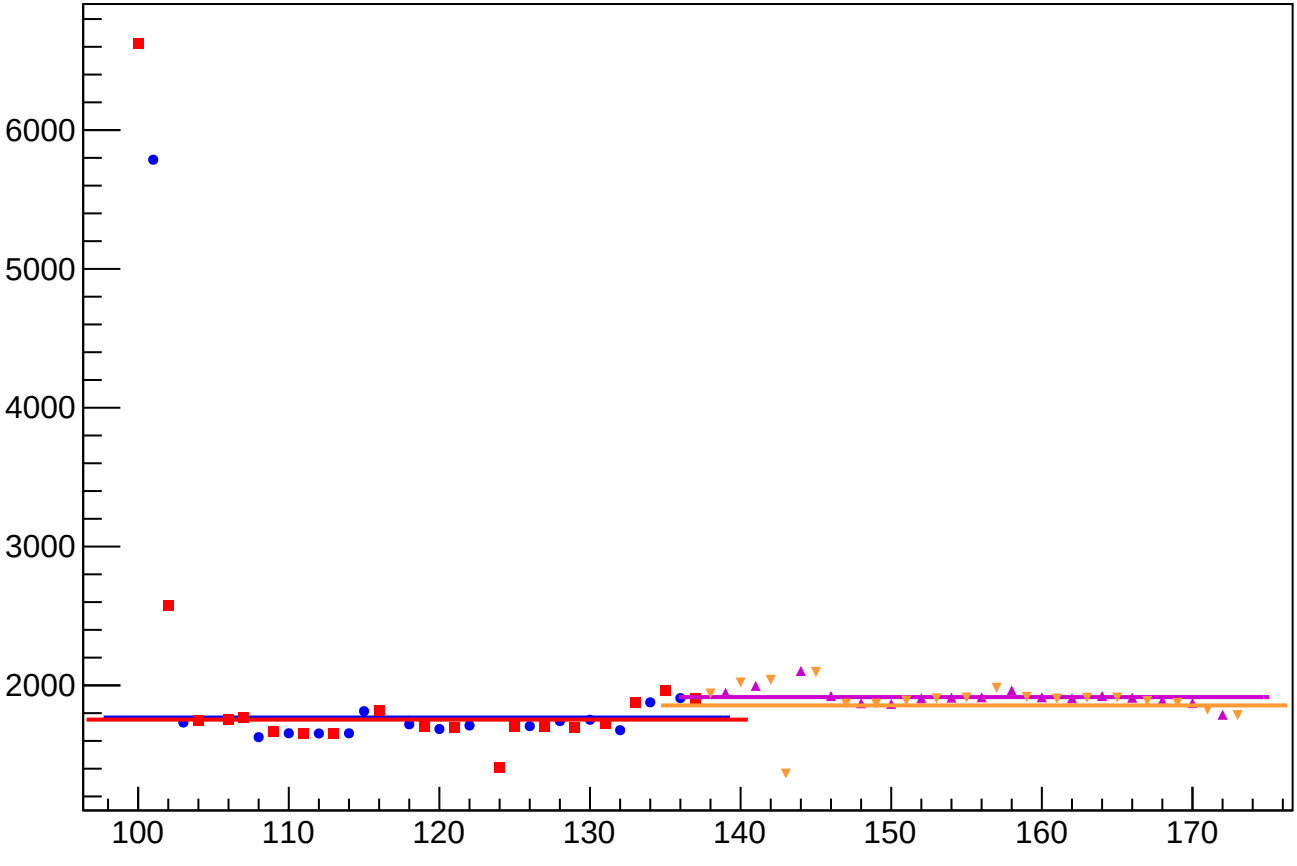
Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2534.312+/-407.556 χ^2/NDF:31.8/32

Out: 1601.227+/-388.177 χ^2/NDF:49.4/37

All: 2045.059+/-281.084 χ^2/NDF: 83.9/70

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1855.756+/-0.340 χ^2/NDF:273625.0/18

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1915.683+/-0.362 χ^2/NDF:30509.1/16

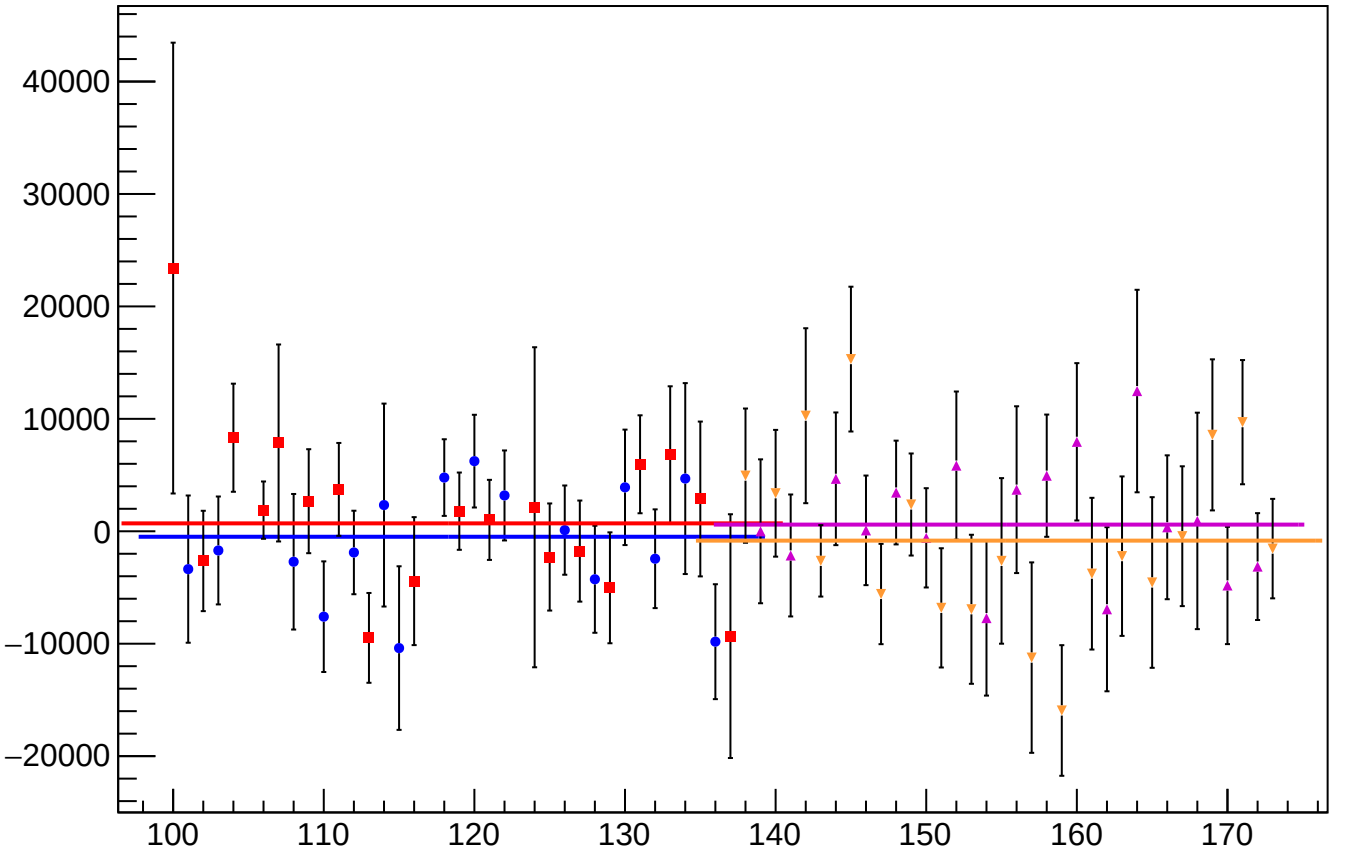
Left: 1883.862+/-0.248 χ^2/NDF: 318701.9/35

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1861.873+/-0.288 χ^2/NDF:758387.1/32

Out: 1819.970+/-0.274 χ^2/NDF:524176.7/37

All: 1839.882+/-0.199 χ^2/NDF: 1293659.3/70



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -832.093+/-1280.883 χ^2/NDF:28.3/18

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: 593.237+/-1426.609 χ^2/NDF:9.7/16

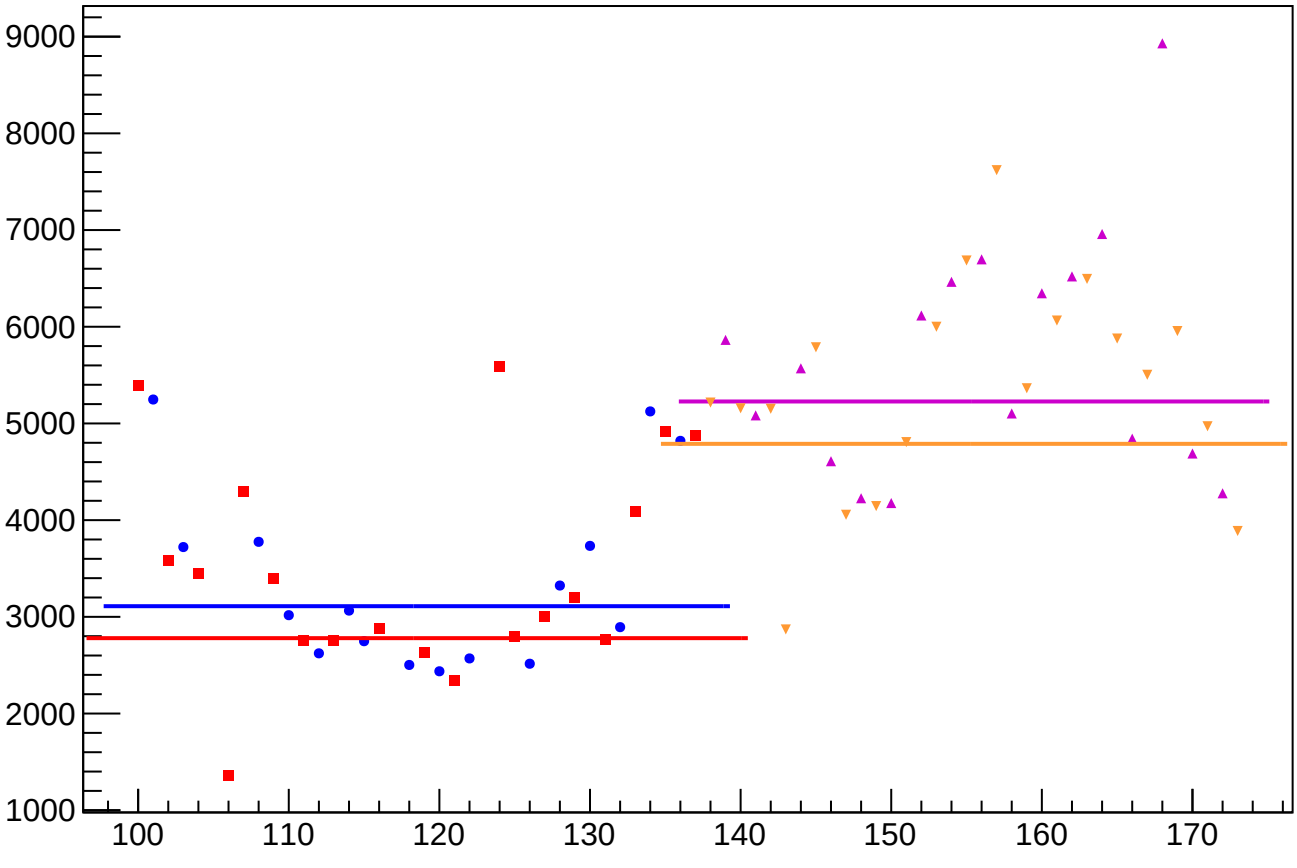
Left: -195.923+/-953.090 χ^2/NDF: 38.6/35

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: -40.691+/-917.653 χ^2/NDF:25.8/32

Out: 72.618+/-820.936 χ^2/NDF:48.0/37

All: 22.248+/-611.836 χ^2/NDF: 73.8/70



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4789.058+/-0.906 χ^2/NDF:1738104.7/18

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5227.137+/-1.009 χ^2/NDF:1040231.7/16

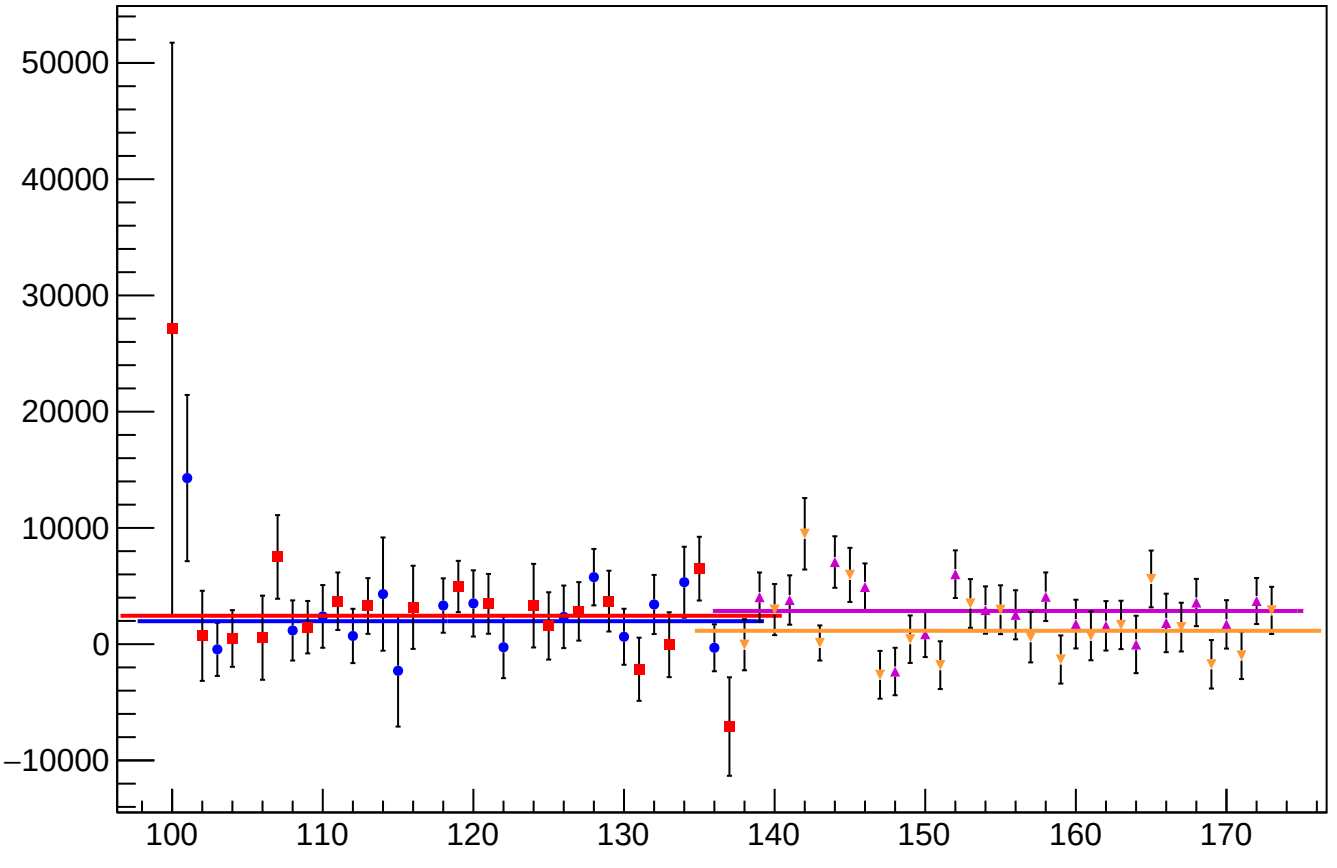
Left: 4984.587+/-0.674 χ^2/NDF: 2882754.2/35

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3986.061+/-0.649 χ^2/NDF:4505399.5/32

Out: 3605.046+/-0.580 χ^2/NDF:5986528.6/37

All: 3774.423+/-0.433 χ^2/NDF: 10683445.8/7



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1150.584+/-480.868 χ^2/NDF:29.4/18

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2856.101+/-511.667 χ^2/NDF:18.3/16

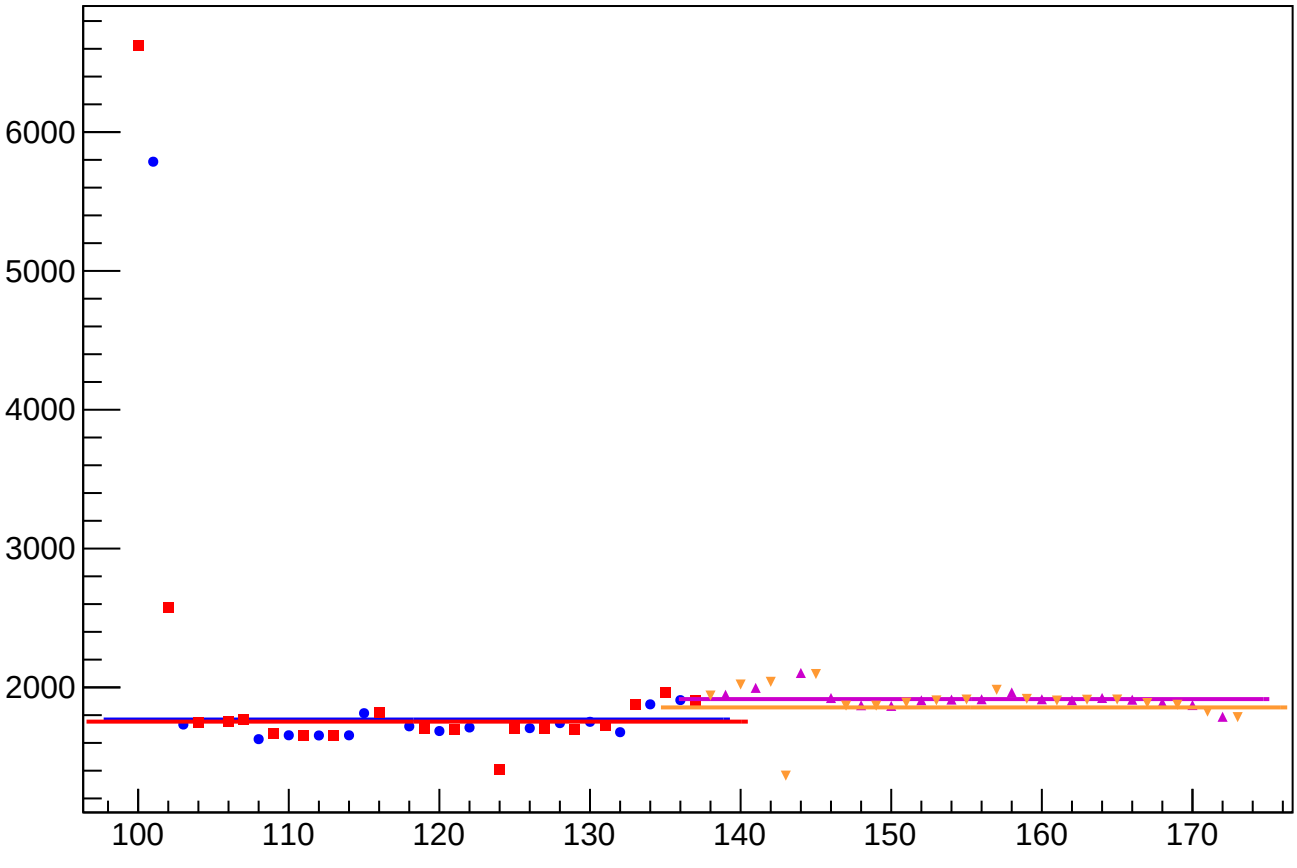
Left: 1950.470+/-350.407 χ^2/NDF: 53.5/35

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2534.312+/-407.556 χ^2/NDF:31.8/32

Out: 1601.227+/-388.177 χ^2/NDF:49.4/37

All: 2045.059+/-281.084 χ^2/NDF: 83.9/70



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1855.756+/-0.340 χ^2/NDF:273626.8/18

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1915.684+/-0.362 χ^2/NDF:30510.0/16

Left: 1883.862+/-0.248 χ^2/NDF: 318704.7/35

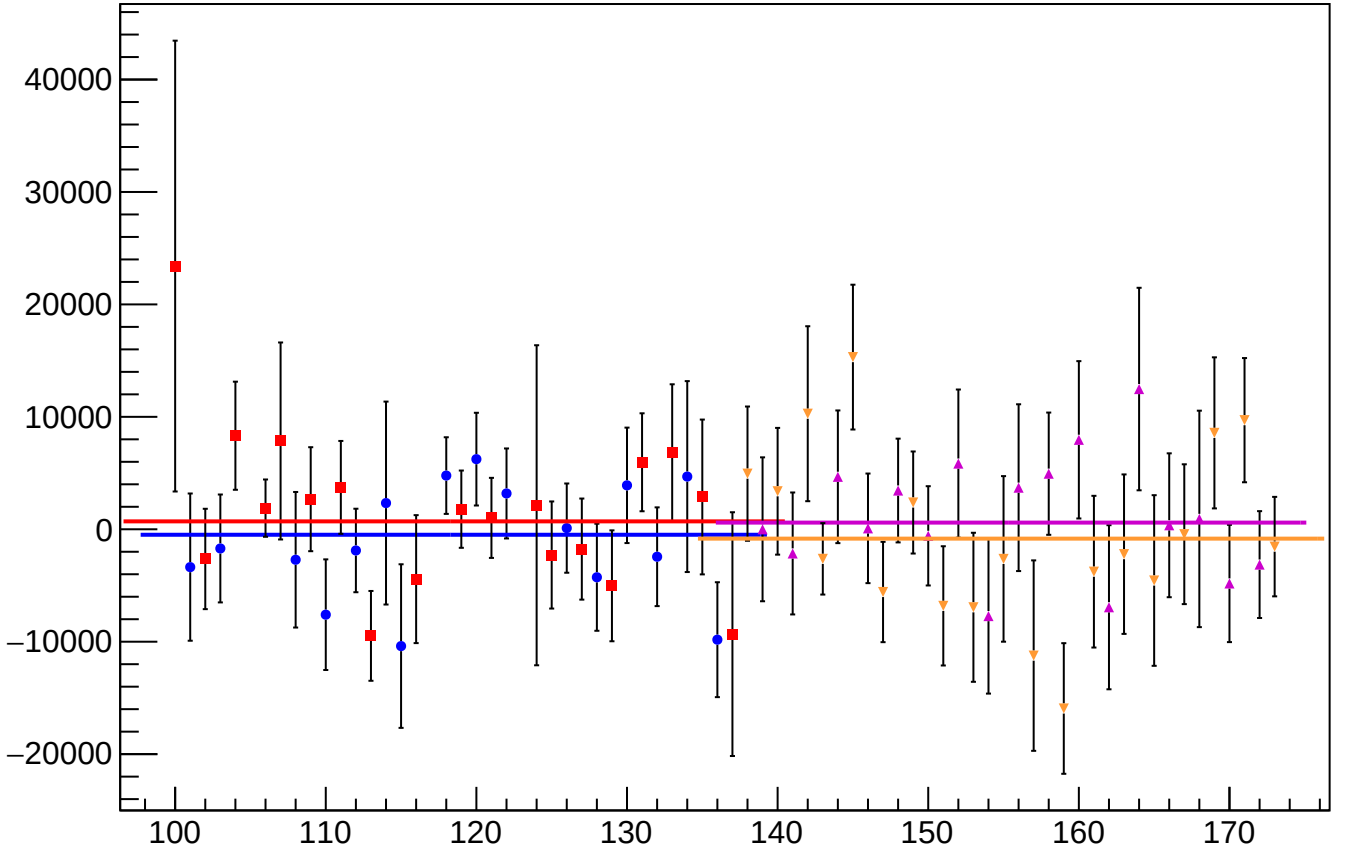
Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1861.874+/-0.288 χ^2/NDF:758388.5/32

Out: 1819.970+/-0.274 χ^2/NDF:524178.7/37

All: 1839.882+/-0.199 χ^2/NDF: 1293663.0/70

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: -832.099+/-1280.884 χ^2/NDF:28.3/18

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 593.237+/-1426.611 χ^2/NDF:9.7/16

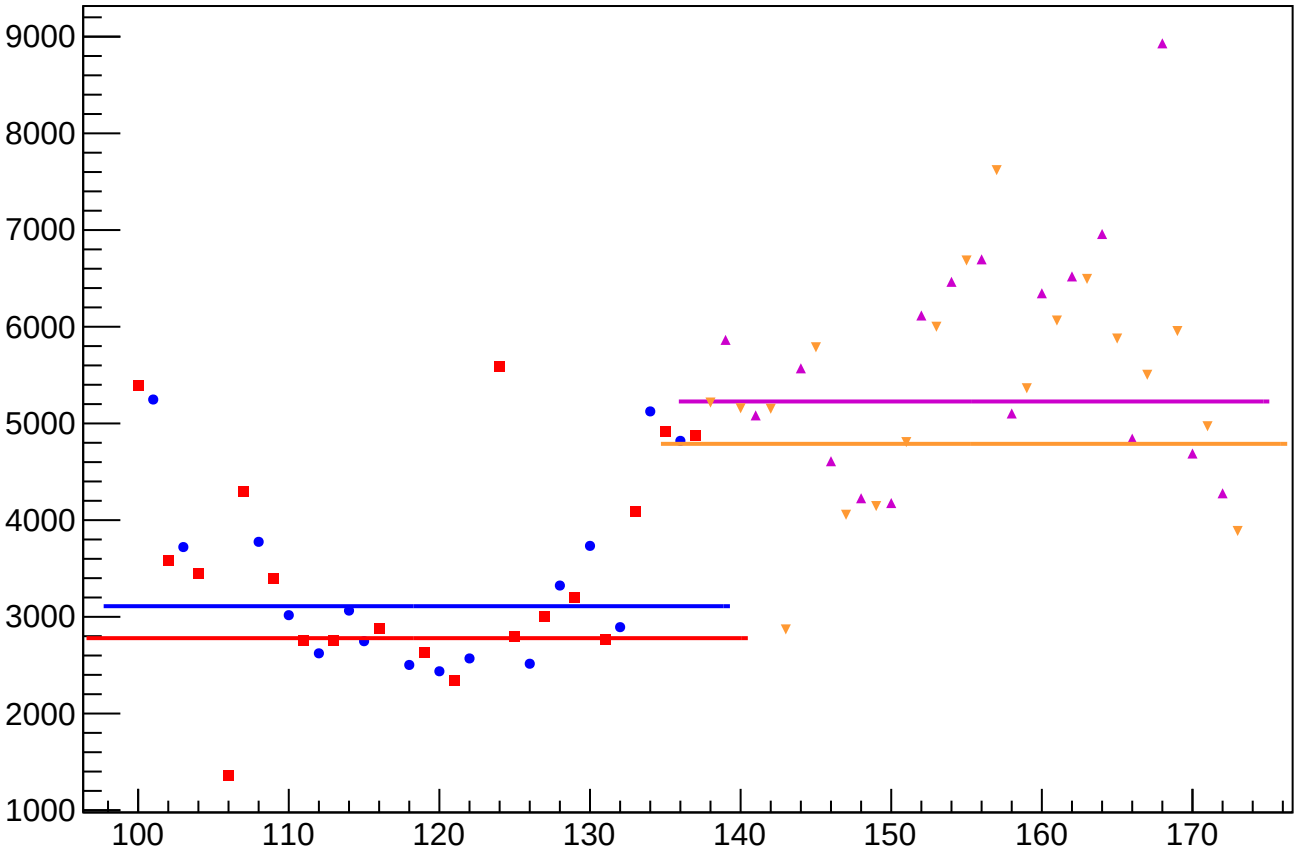
Left: -195.926+/-953.092 χ^2/NDF: 38.6/35

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -40.689+/-917.652 χ^2/NDF:25.8/32

Out: 72.621+/-820.935 χ^2/NDF:48.0/37

All: 22.250+/-611.835 χ^2/NDF: 73.8/70



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4789.064+/-0.906 χ^2/NDF:1738110.6/18

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5227.144+/-1.009 χ^2/NDF:1040233.6/16

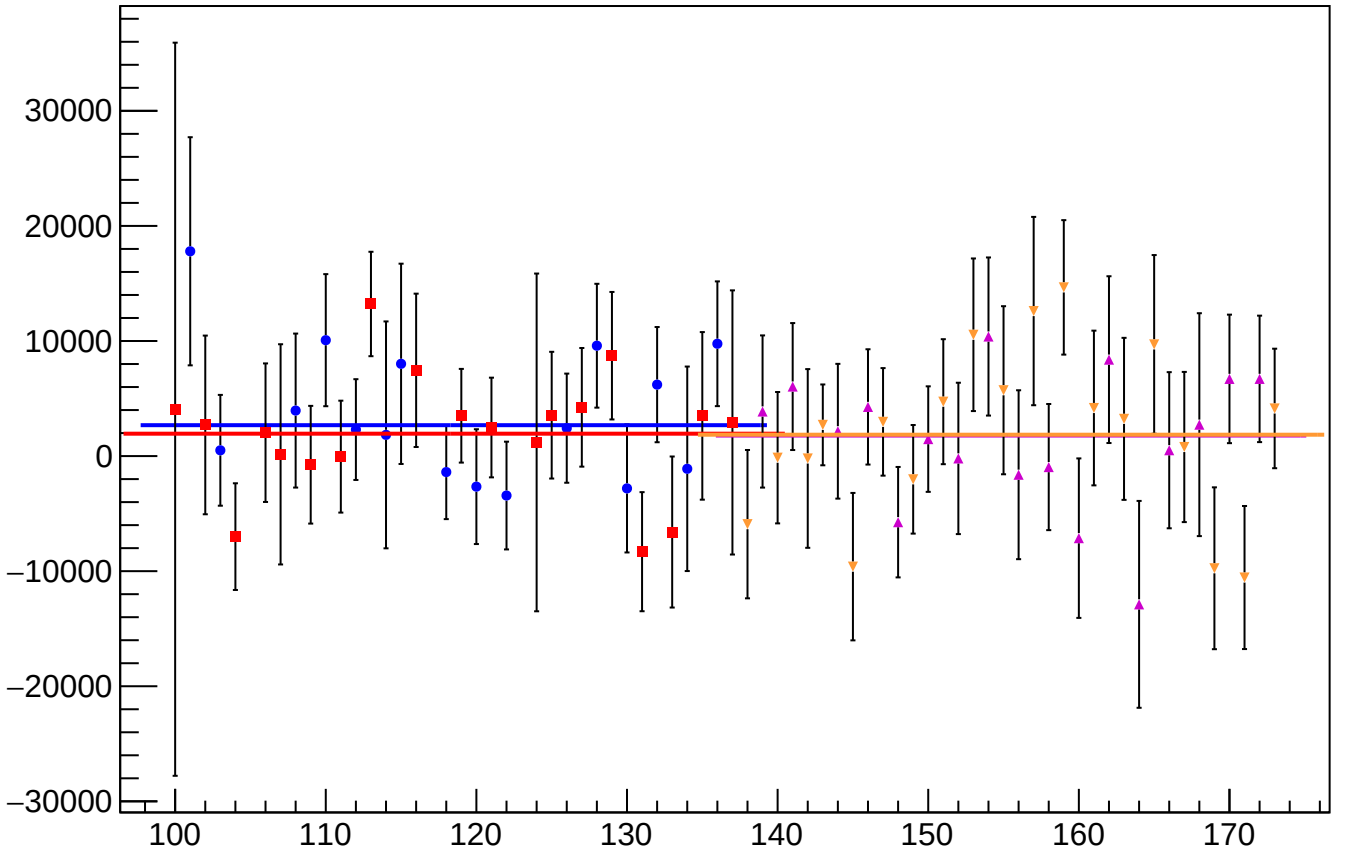
Left: 4984.593+/-0.674 χ^2/NDF: 2882762.2/35

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3986.053+/-0.649 χ^2/NDF:4505458.3/32

Out: 3605.035+/-0.580 χ^2/NDF:5986612.6/37

All: 3774.414+/-0.433 χ^2/NDF: 10683591.0/7



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 1857.289+/-1345.061 χ^2/NDF:22.6/18

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 1784.416+/-1471.605 χ^2/NDF:12.3/16

Left: 1824.120+/-992.830 χ^2/NDF: 34.9/35

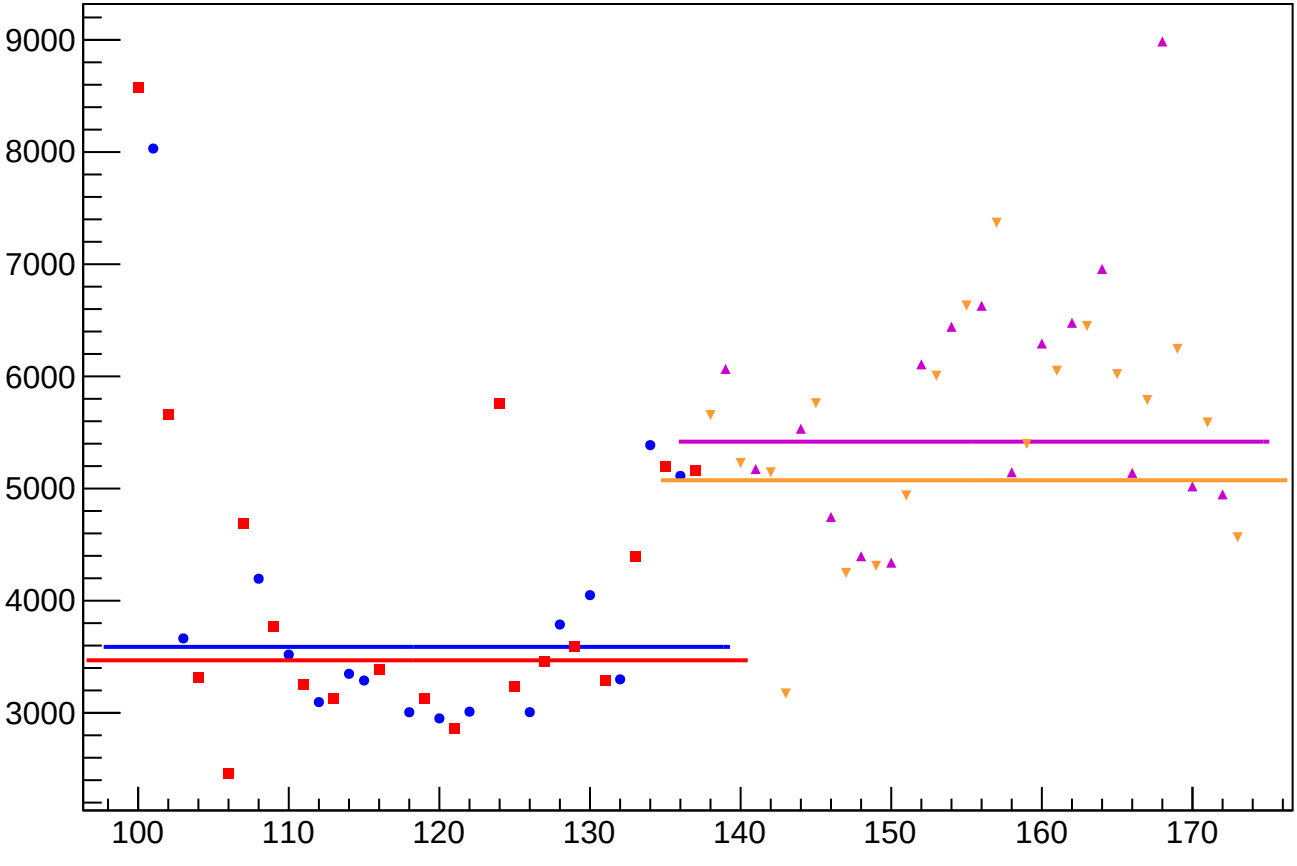
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2263.859+/-1006.599 χ^2/NDF:26.0/32

Out: 1901.886+/-946.804 χ^2/NDF:41.2/37

All: 2071.803+/-689.662 χ^2/NDF: 67.3/70

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 5073.841+/-0.951 χ^2/NDF:1297838.3/18

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5418.003+/-1.041 χ^2/NDF:820072.7/16

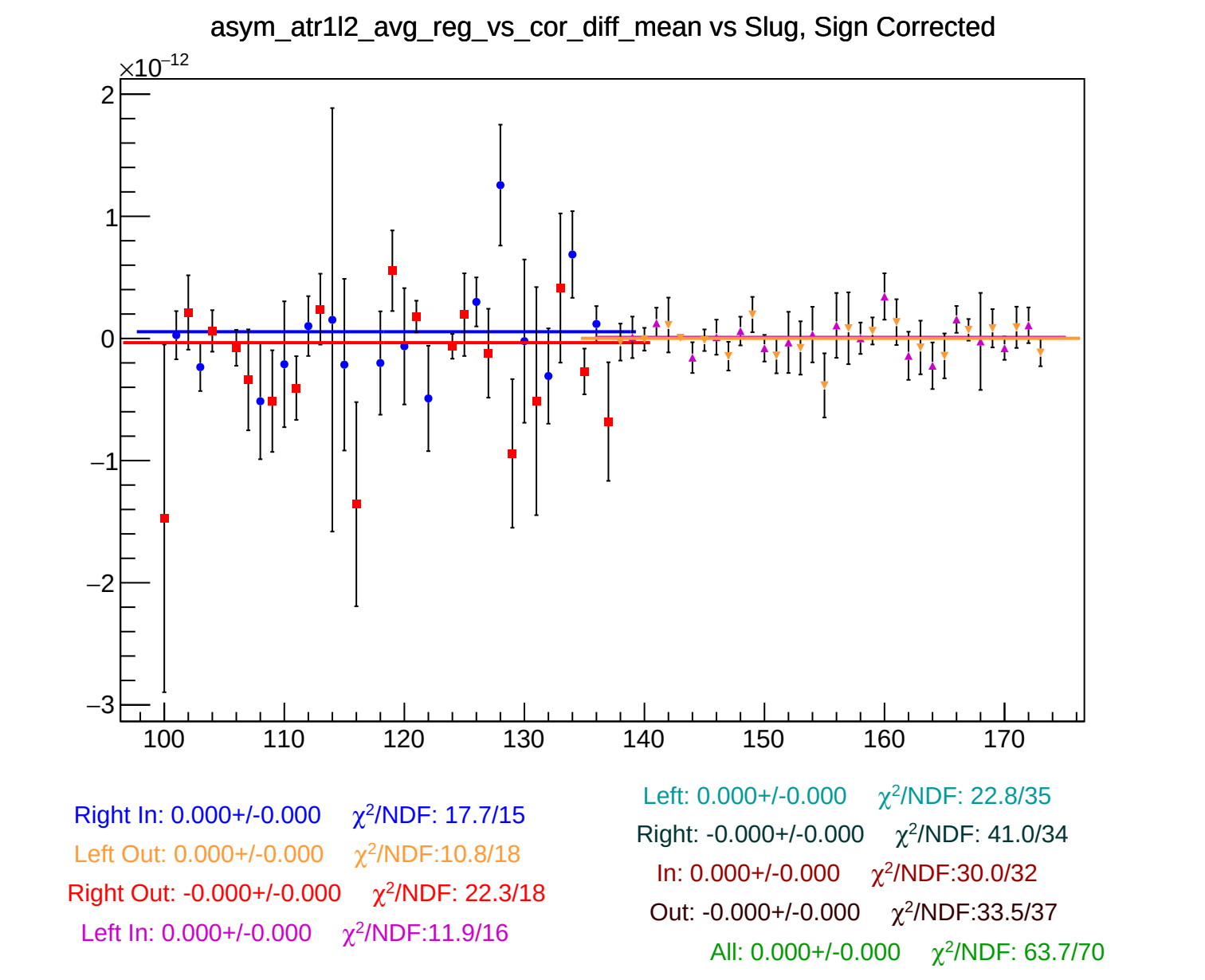
Left: 5230.491+/-0.702 χ^2/NDF: 2177509.9/35

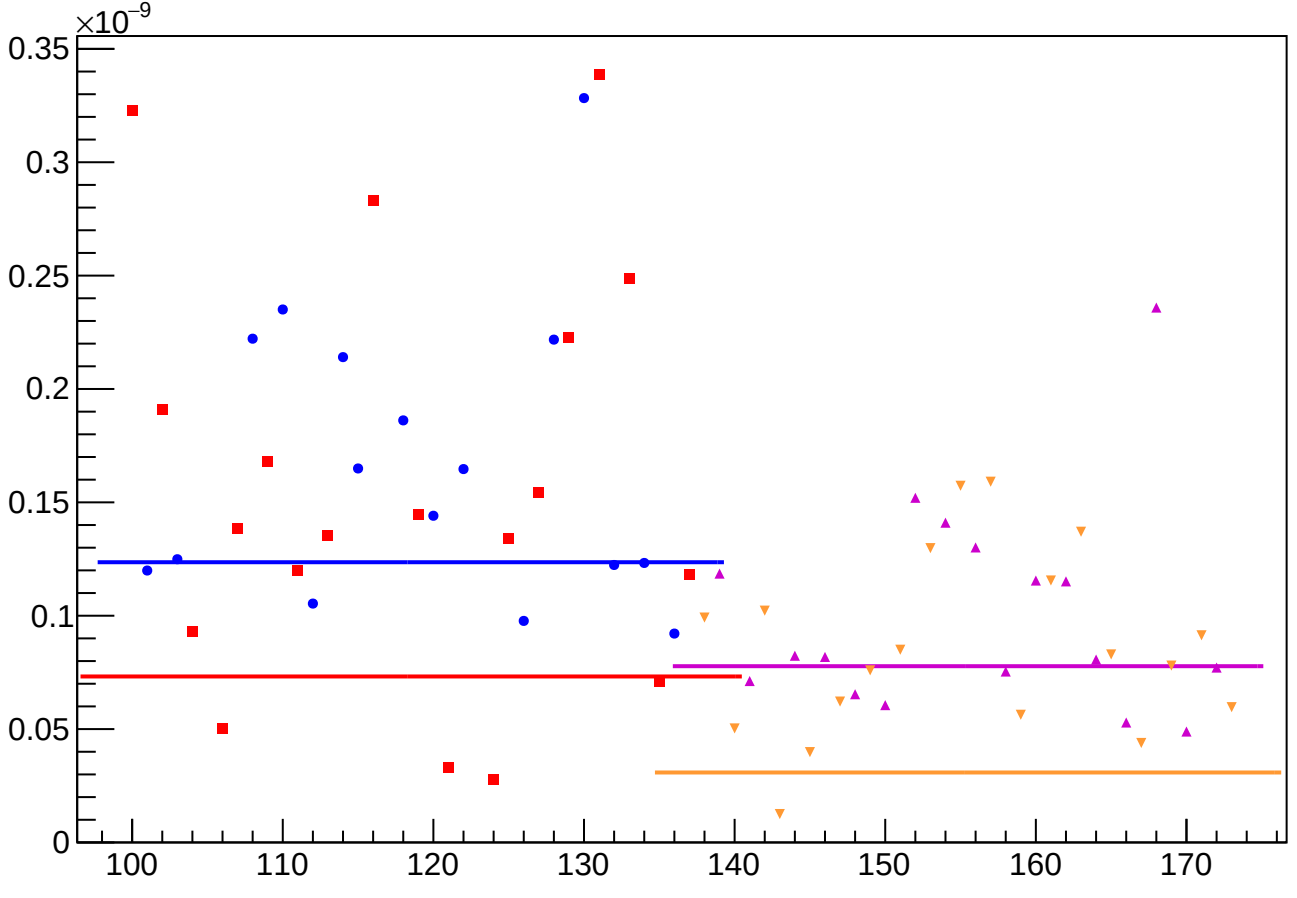
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4444.440+/-0.712 χ^2/NDF:3310271.2/32

Out: 4251.717+/-0.664 χ^2/NDF:3423253.7/37

All: 4341.438+/-0.486 χ^2/NDF: 6772707.9/70


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
170
Right In: 0.000+/-0.000 χ²/NDF: 17.7/15
Left Out: 0.000+/-0.000 χ²/NDF:10.8/18
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/18
Left In: 0.000+/-0.000 χ²/NDF:11.9/16
Left: 0.000+/-0.000 χ²/NDF: 22.8/35
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:30.0/32
Out: -0.000+/-0.000 χ²/NDF:33.5/37
All: 0.000+/-0.000 χ²/NDF: 63.7/70



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5674605.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1360082.9/16

Left: 0.000+/-0.000 χ^2/NDF: 9806839.4/35

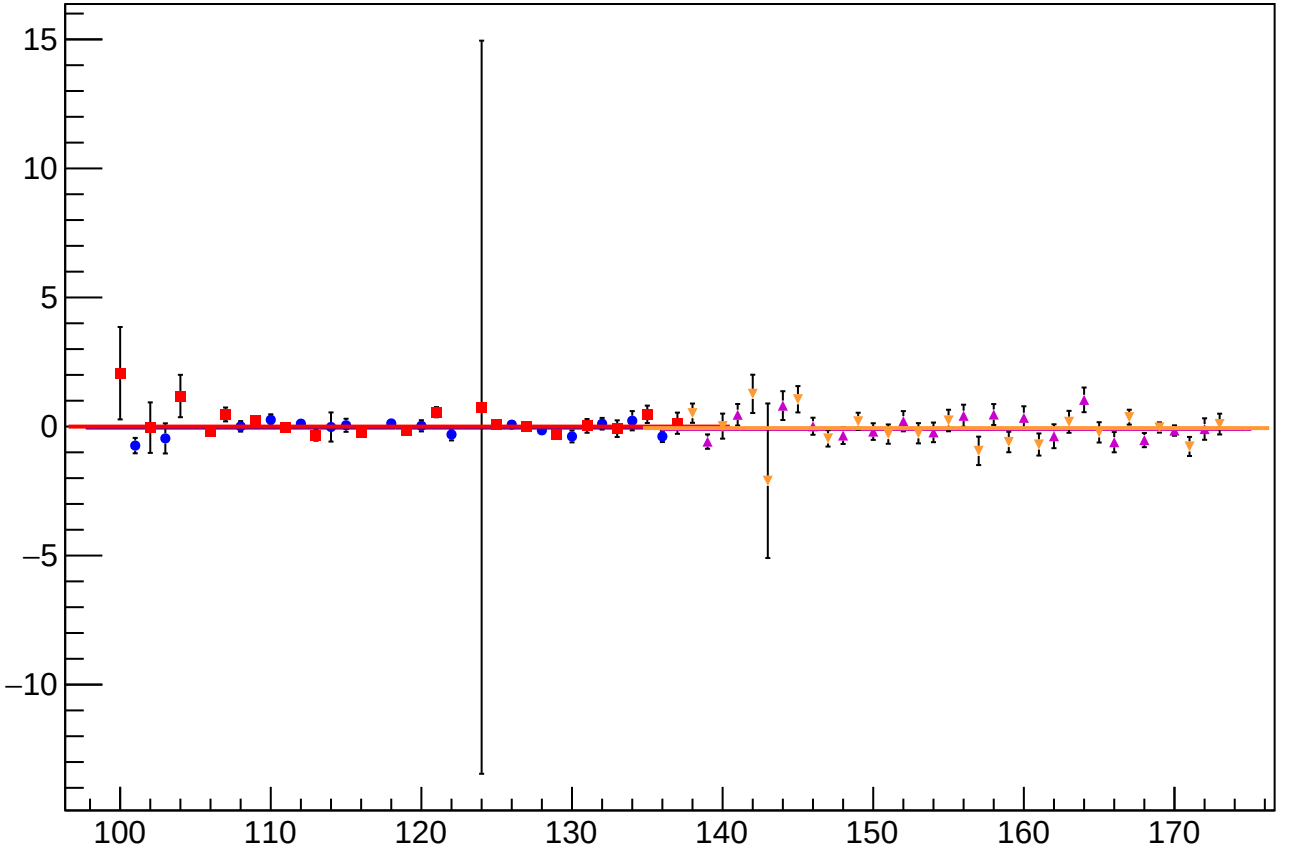
Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:2659561.9/32

Out: 0.000+/-0.000 χ^2/NDF:8993897.2/37

All: 0.000+/-0.000 χ^2/NDF: 15615902.7/70

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.062+/-0.087 χ^2/NDF:27.4/18

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.095+/-0.085 χ^2/NDF:23.4/16

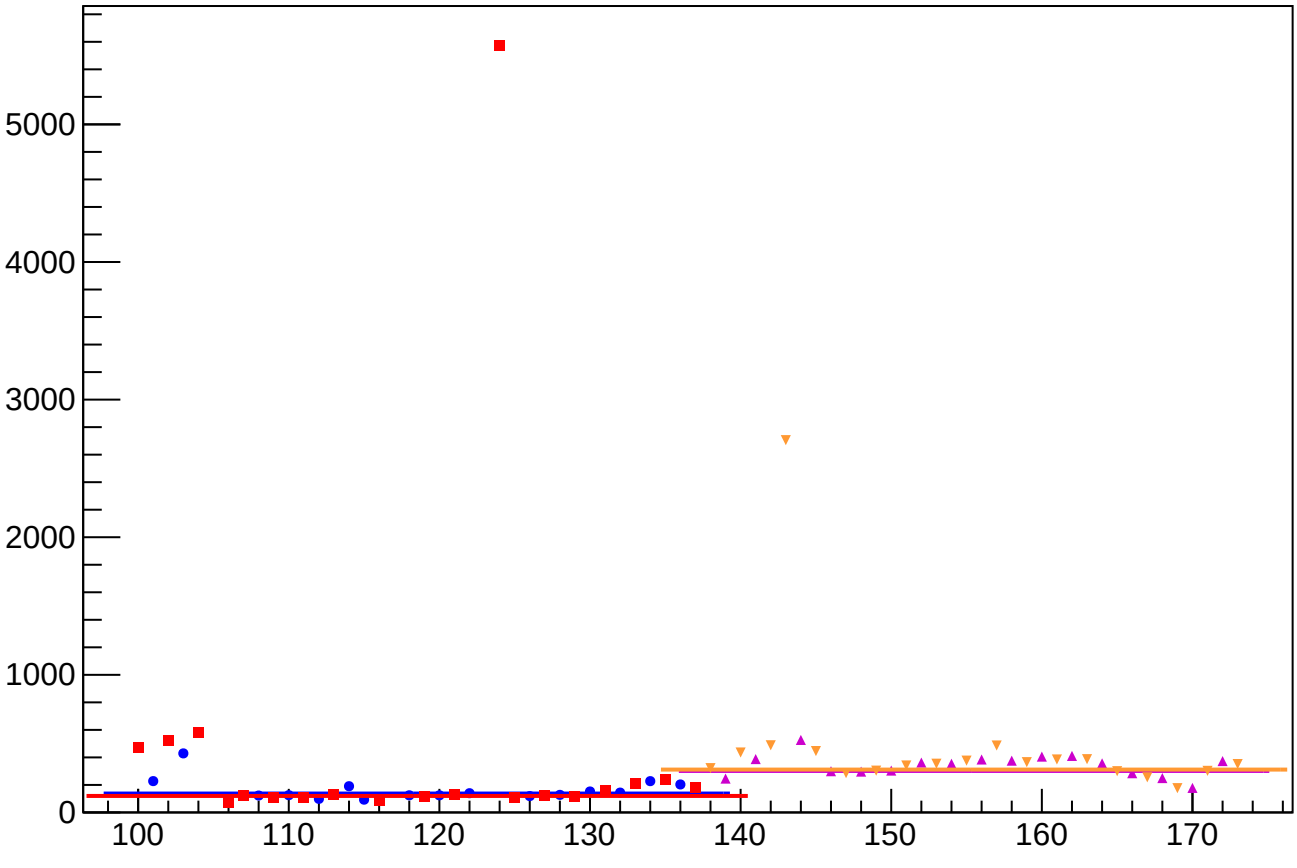
Left: -0.079+/-0.061 χ^2/NDF: 50.9/35

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.056+/-0.047 χ^2/NDF:41.6/32

Out: -0.018+/-0.044 χ^2/NDF:56.4/37

All: -0.036+/-0.032 χ^2/NDF: 98.4/70



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 311.507+/-0.061 χ^2/NDF:3145582.6/18

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 301.717+/-0.060 χ^2/NDF:1848420.0/16

Left: 306.513+/-0.043 χ^2/NDF: 5007060.8/35

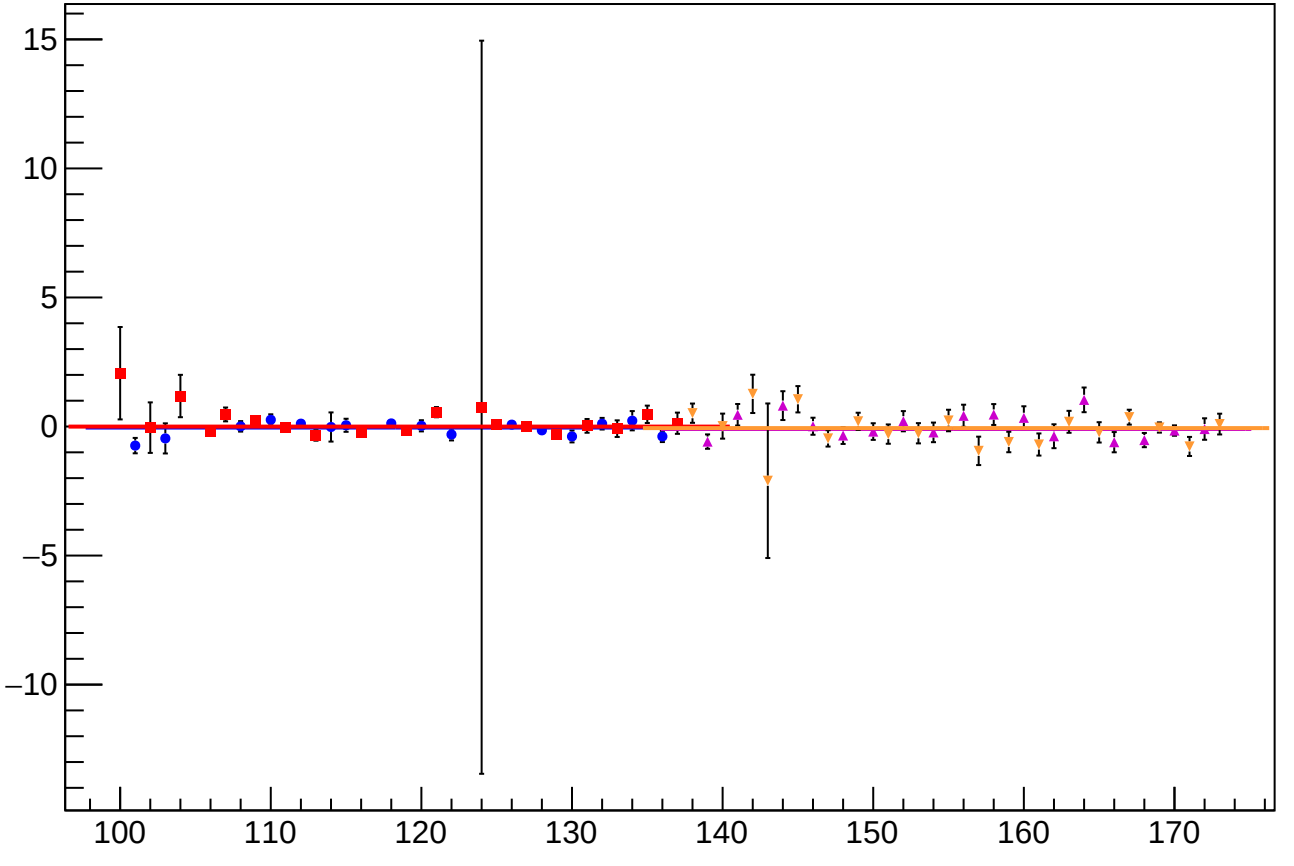
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 187.070+/-0.033 χ^2/NDF:8355347.0/32

Out: 169.270+/-0.031 χ^2/NDF:12560810.9/37

All: 177.632+/-0.023 χ^2/NDF: 21070691.8/70

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.062+/-0.087 χ^2/NDF:27.4/18

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.095+/-0.085 χ^2/NDF:23.4/16

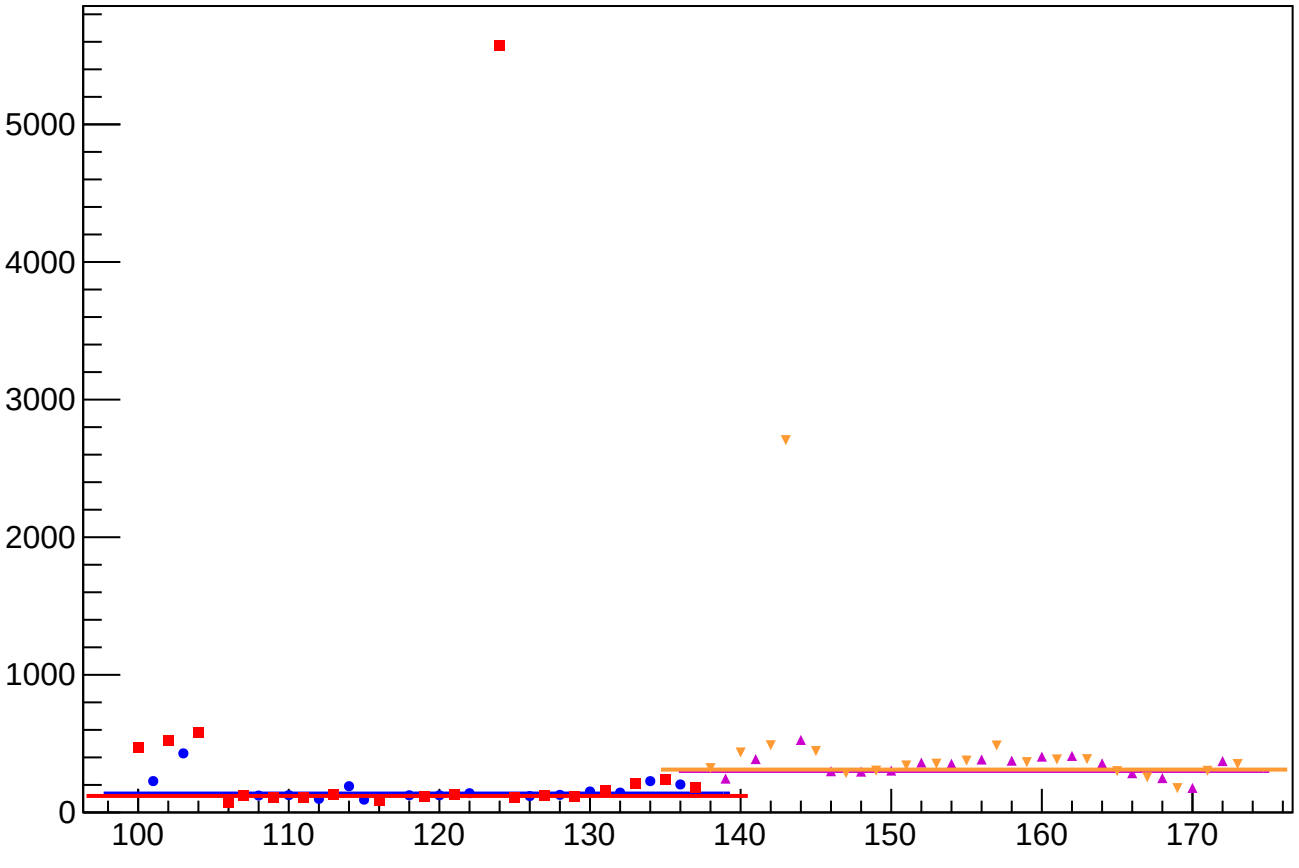
Left: -0.079+/-0.061 χ^2/NDF: 50.9/35

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.056+/-0.047 χ^2/NDF:41.6/32

Out: -0.018+/-0.044 χ^2/NDF:56.4/37

All: -0.036+/-0.032 χ^2/NDF: 98.4/70



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 311.507+/-0.061 χ^2/NDF:3145582.6/18

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 301.717+/-0.060 χ^2/NDF:1848420.0/16

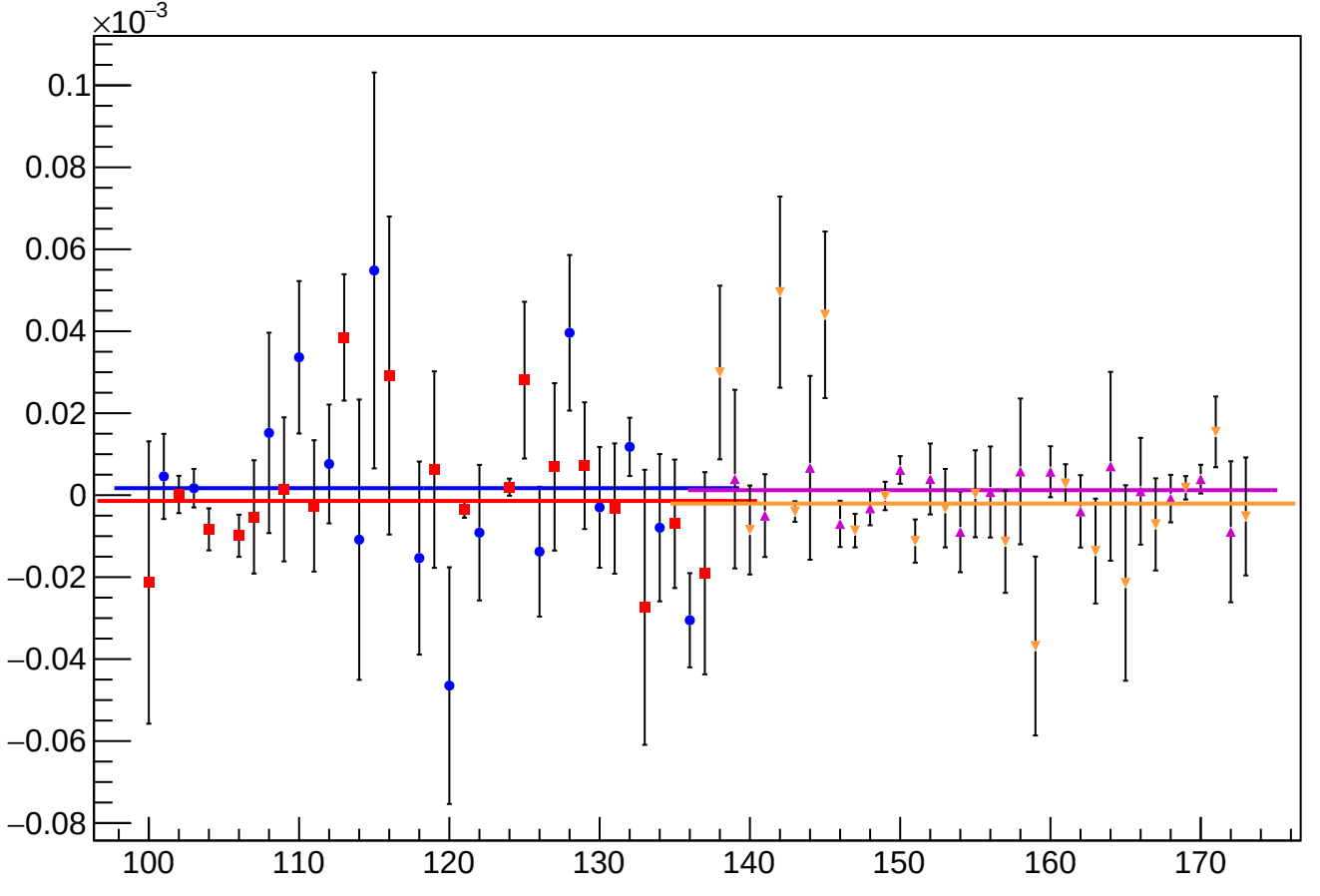
Left: 306.513+/-0.043 χ^2/NDF: 5007060.8/35

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 187.070+/-0.033 χ^2/NDF:8355347.0/32

Out: 169.270+/-0.031 χ^2/NDF:12560810.9/37

All: 177.632+/-0.023 χ^2/NDF: 21070691.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/18

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:9.1/16

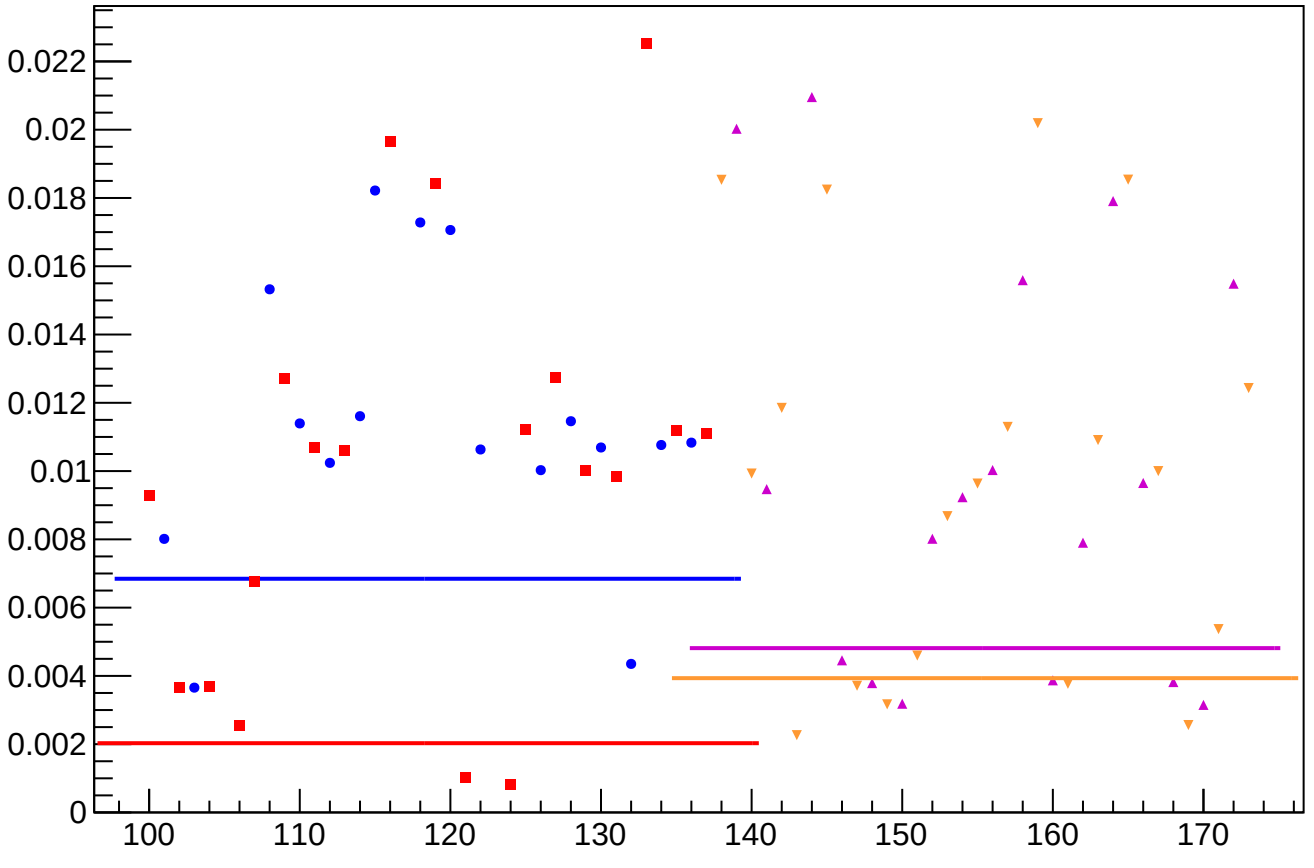
Left: -0.000+/-0.000 χ^2/NDF: 42.7/35

Right: -0.000+/-0.000 χ^2/NDF: 45.0/34

In: 0.000+/-0.000 χ^2/NDF:32.9/32

Out: -0.000+/-0.000 χ^2/NDF:51.5/37

All: -0.000+/-0.000 χ^2/NDF: 87.7/70



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:9819926.4/18

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:7377533.5/16

Left: 0.004+/-0.000 χ^2/NDF: 17557642.3/35

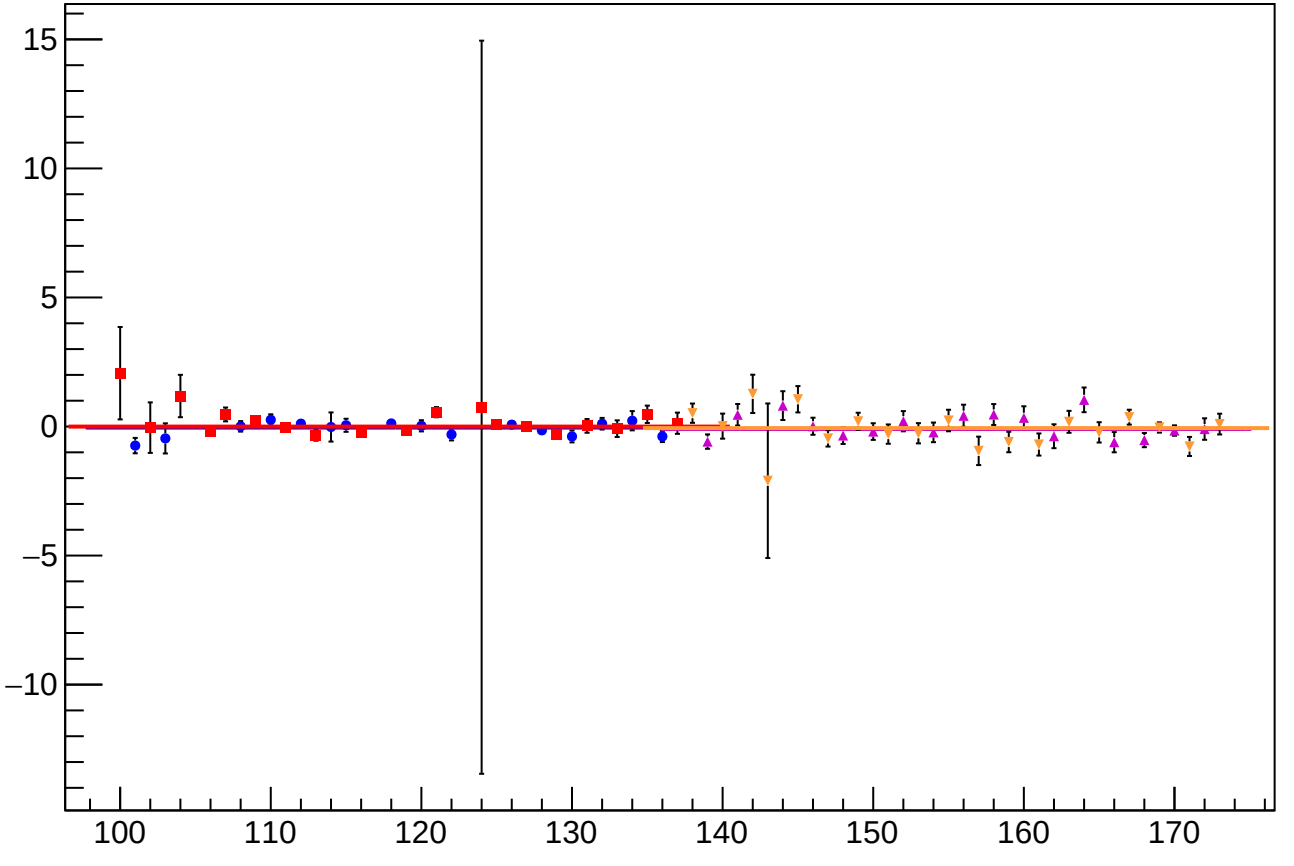
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.005+/-0.000 χ^2/NDF:11333144.4/32

Out: 0.003+/-0.000 χ^2/NDF:21029884.8/37

All: 0.004+/-0.000 χ^2/NDF: 36225717.8/70

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.062+/-0.087 χ^2/NDF:27.4/18

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.095+/-0.085 χ^2/NDF:23.4/16

Left: -0.079+/-0.061 χ^2/NDF: 50.9/35

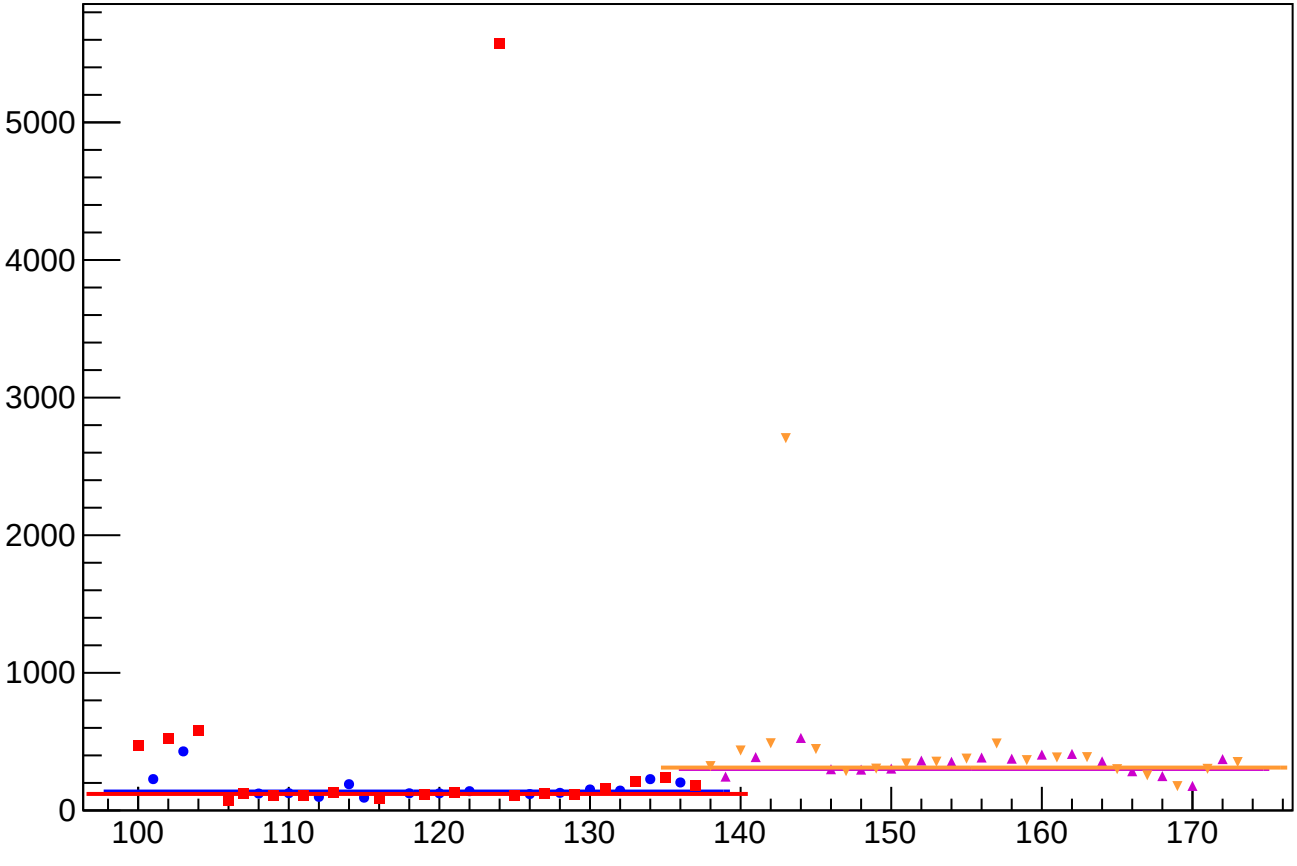
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.056+/-0.047 χ^2/NDF:41.6/32

Out: -0.018+/-0.044 χ^2/NDF:56.4/37

All: -0.036+/-0.032 χ^2/NDF: 98.4/70

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 311.509+/-0.061 χ^2/NDF:3145638.0/18

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 301.720+/-0.060 χ^2/NDF:1848424.9/16

Left: 306.516+/-0.043 χ^2/NDF: 5007118.0/35

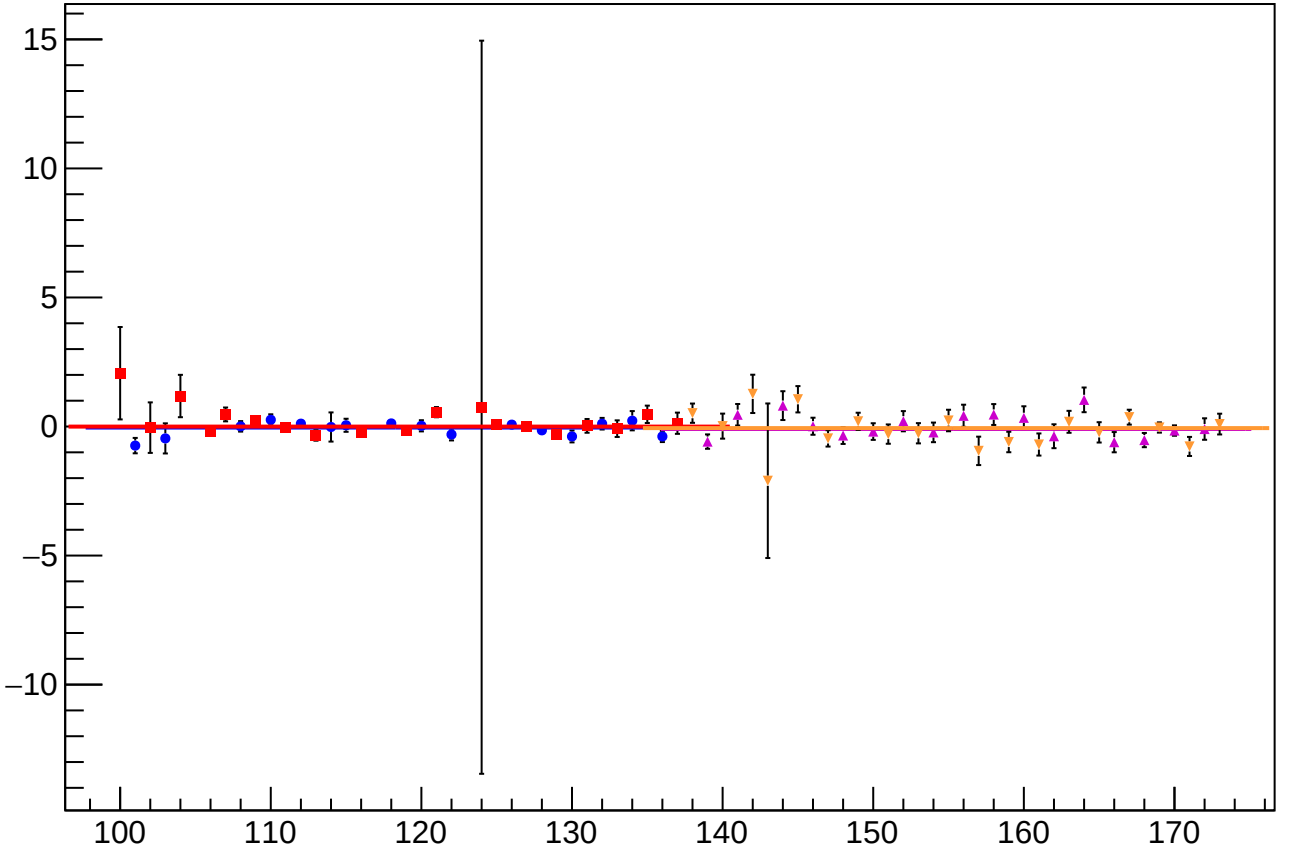
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 187.071+/-0.033 χ^2/NDF:8355339.1/32

Out: 169.270+/-0.031 χ^2/NDF:12560876.8/37

All: 177.633+/-0.023 χ^2/NDF: 21070771.0/70

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: -0.062+/-0.087 χ^2/NDF:27.4/18

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.095+/-0.085 χ^2/NDF:23.4/16

Left: -0.079+/-0.061 χ^2/NDF: 50.9/35

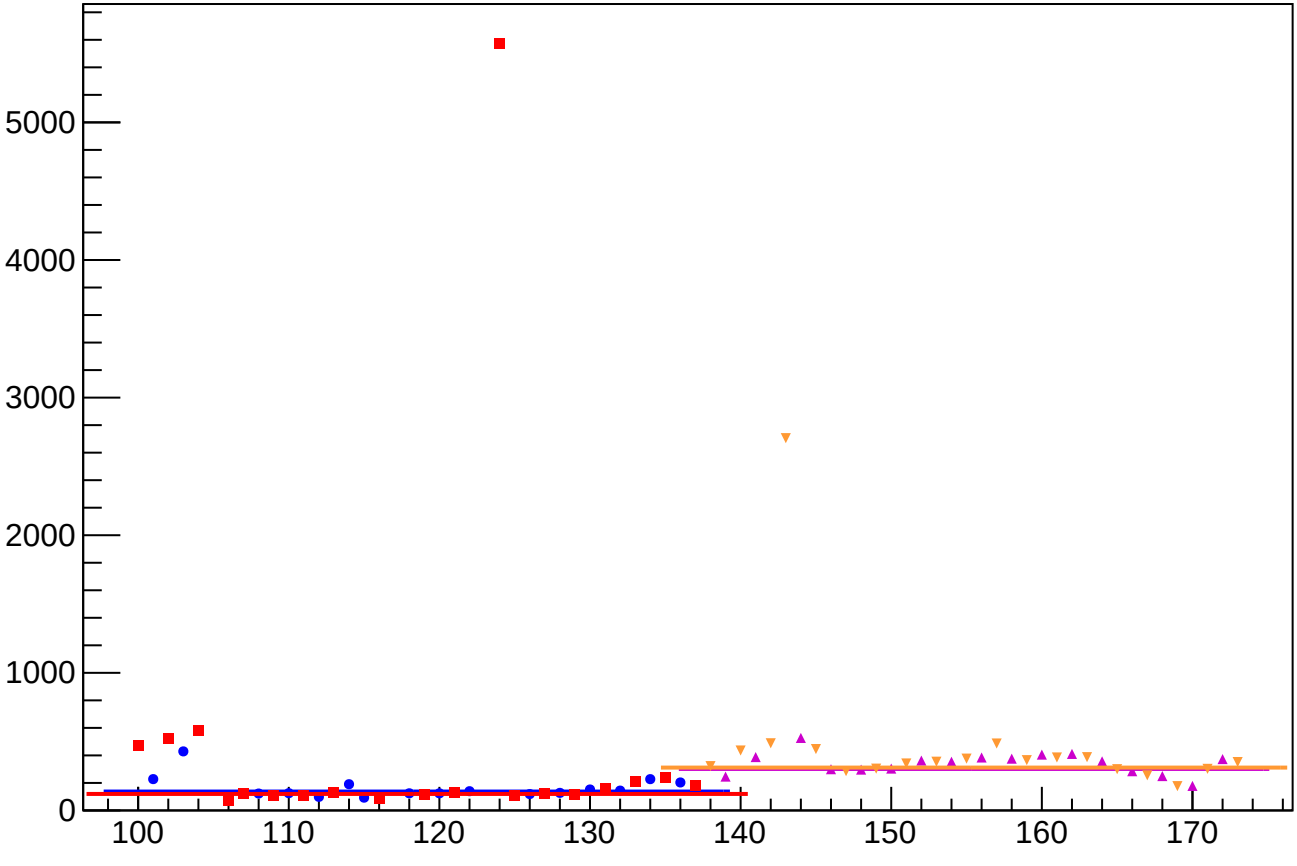
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.056+/-0.047 χ^2/NDF:41.6/32

Out: -0.018+/-0.044 χ^2/NDF:56.4/37

All: -0.036+/-0.032 χ^2/NDF: 98.4/70

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: 311.509+/-0.061 χ^2/NDF:3145638.0/18

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 301.720+/-0.060 χ^2/NDF:1848424.9/16

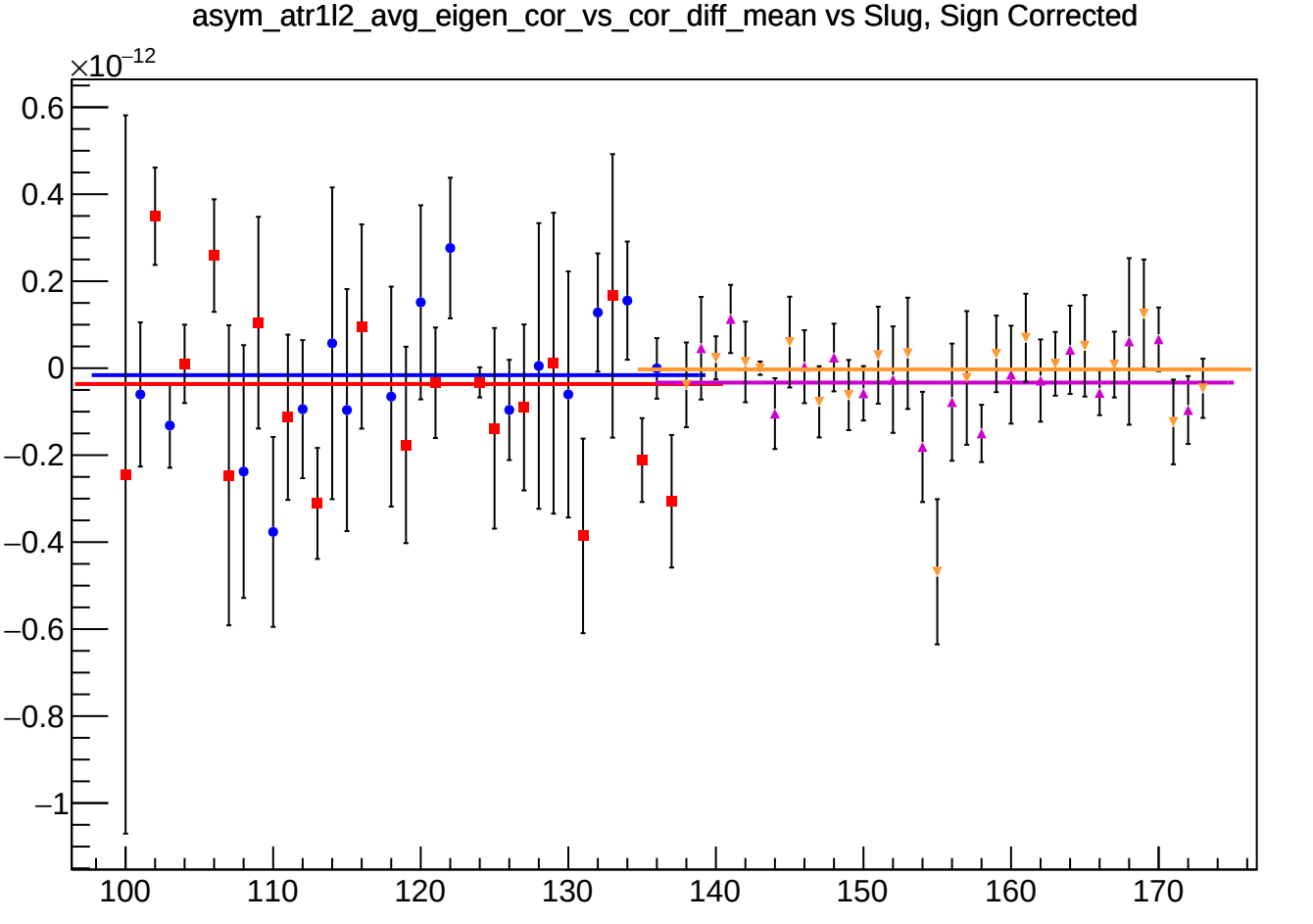
Left: 306.516+/-0.043 χ^2/NDF: 5007118.0/35

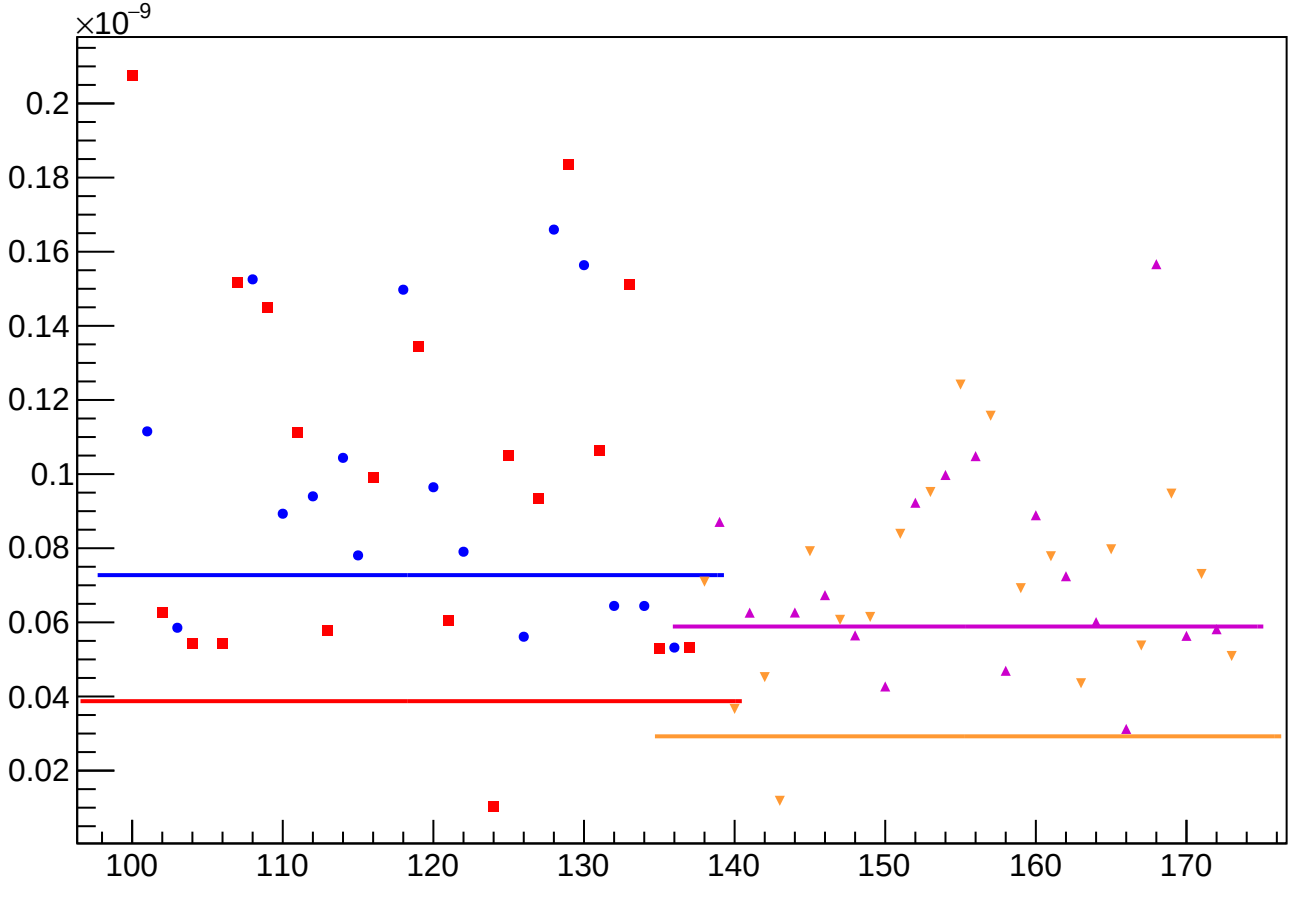
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 187.071+/-0.033 χ^2/NDF:8355339.1/32

Out: 169.270+/-0.031 χ^2/NDF:12560876.8/37

All: 177.633+/-0.023 χ^2/NDF: 21070771.0/70


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
170
Right In: -0.000+/-0.000 χ²/NDF: 12.3/15
Left Out: -0.000+/-0.000 χ²/NDF:14.1/18
Right Out: -0.000+/-0.000 χ²/NDF: 33.2/18
Left In: -0.000+/-0.000 χ²/NDF:13.8/16
Left: -0.000+/-0.000 χ²/NDF: 29.5/35
Right: -0.000+/-0.000 χ²/NDF: 45.7/34
In: -0.000+/-0.000 χ²/NDF:26.2/32
Out: -0.000+/-0.000 χ²/NDF:48.7/37
All: -0.000+/-0.000 χ²/NDF: 75.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9065447.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2222964.5/16

Left: 0.000+/-0.000 χ^2/NDF: 14372870.3/35

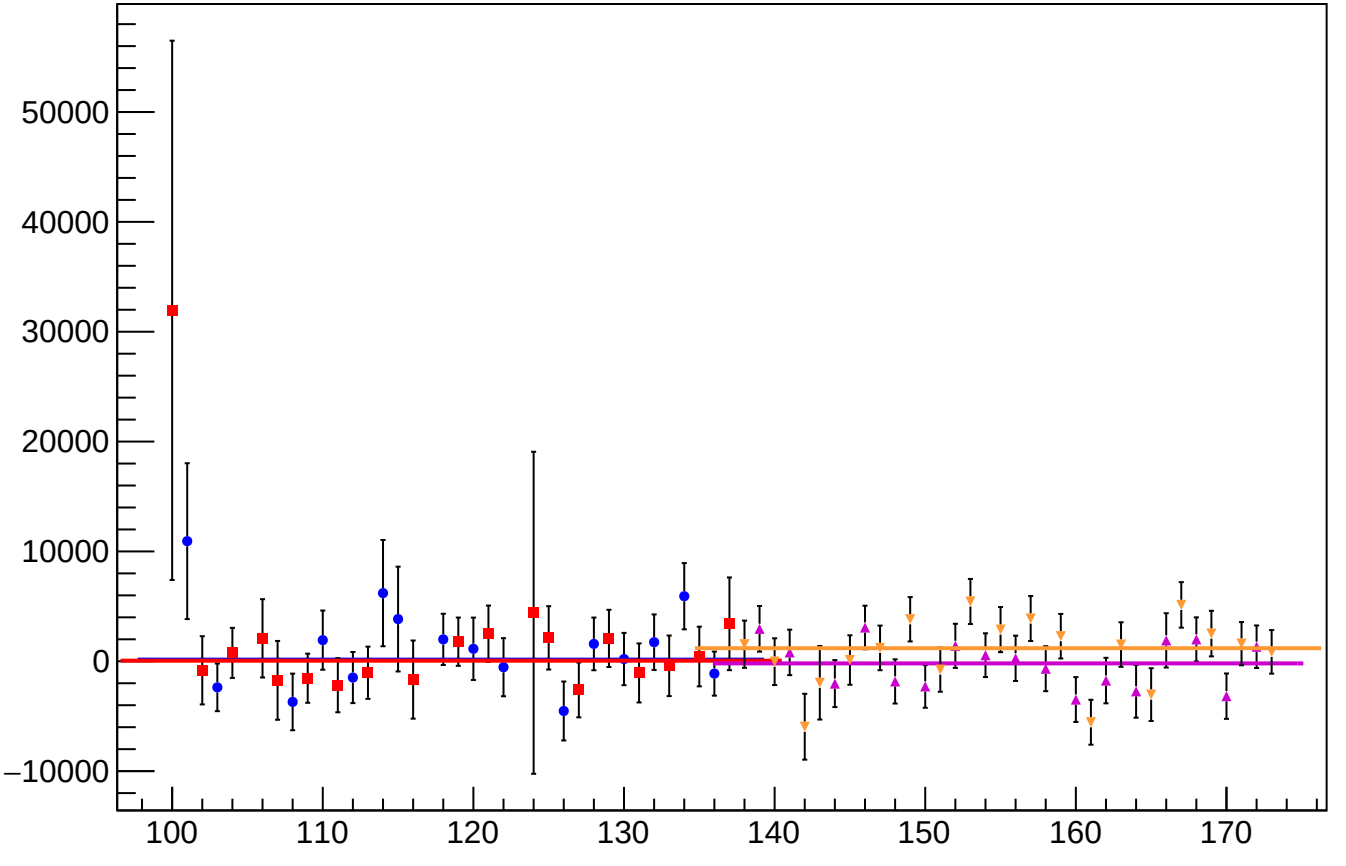
Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:3564445.8/32

Out: 0.000+/-0.000 χ^2/NDF:13556503.8/37

All: 0.000+/-0.000 χ^2/NDF: 21449478.9/70

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1190.233+/-490.472 χ^2/NDF:34.9/18

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: -192.794+/-501.080 χ^2/NDF:17.6/16

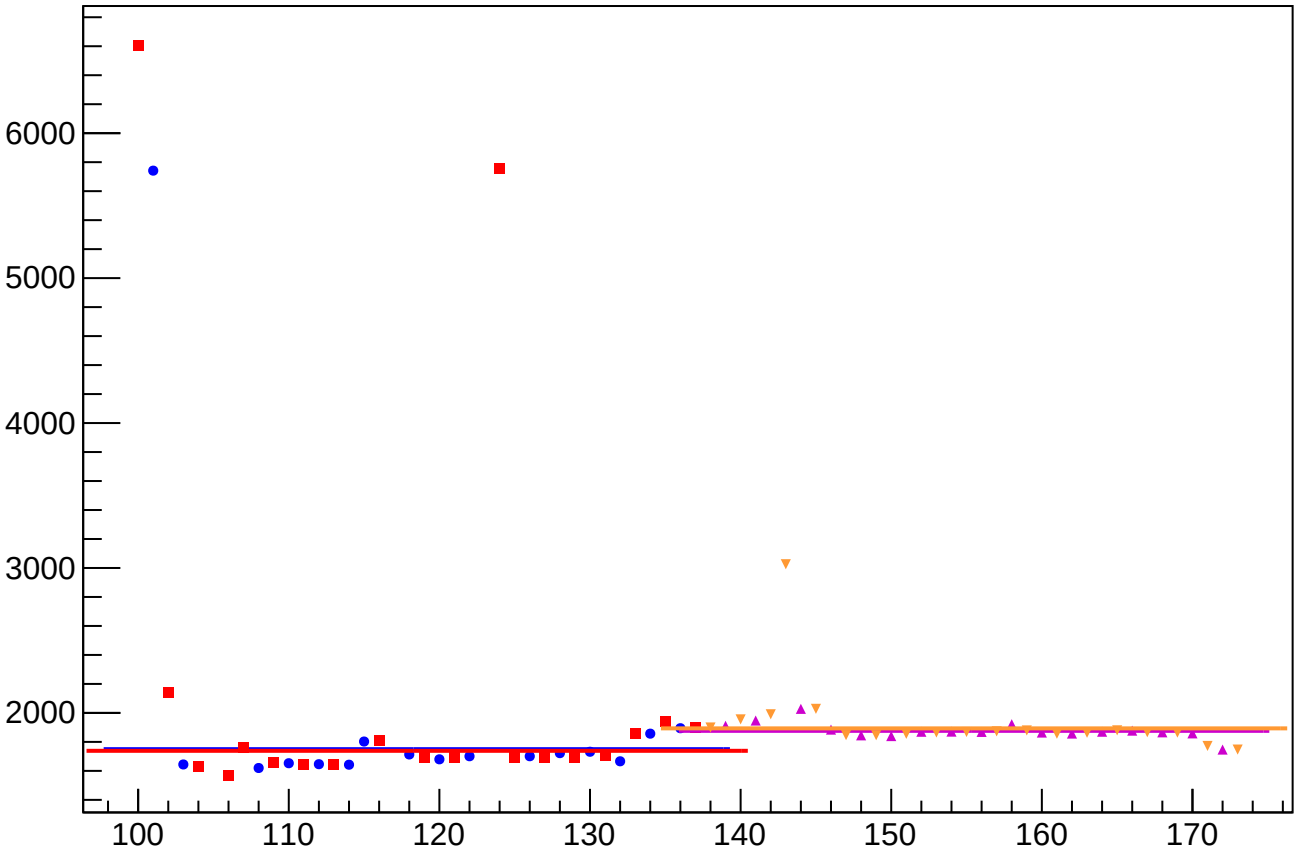
Left: 513.515+/-350.506 χ^2/NDF: 56.3/35

Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: -68.872+/-400.631 χ^2/NDF:35.4/32

Out: 782.269+/-392.658 χ^2/NDF:45.8/37

All: 365.252+/-280.428 χ^2/NDF: 83.5/70



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1893.358+/-0.347 χ^2/NDF:263839.3/18

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1876.348+/-0.354 χ^2/NDF:24603.4/16

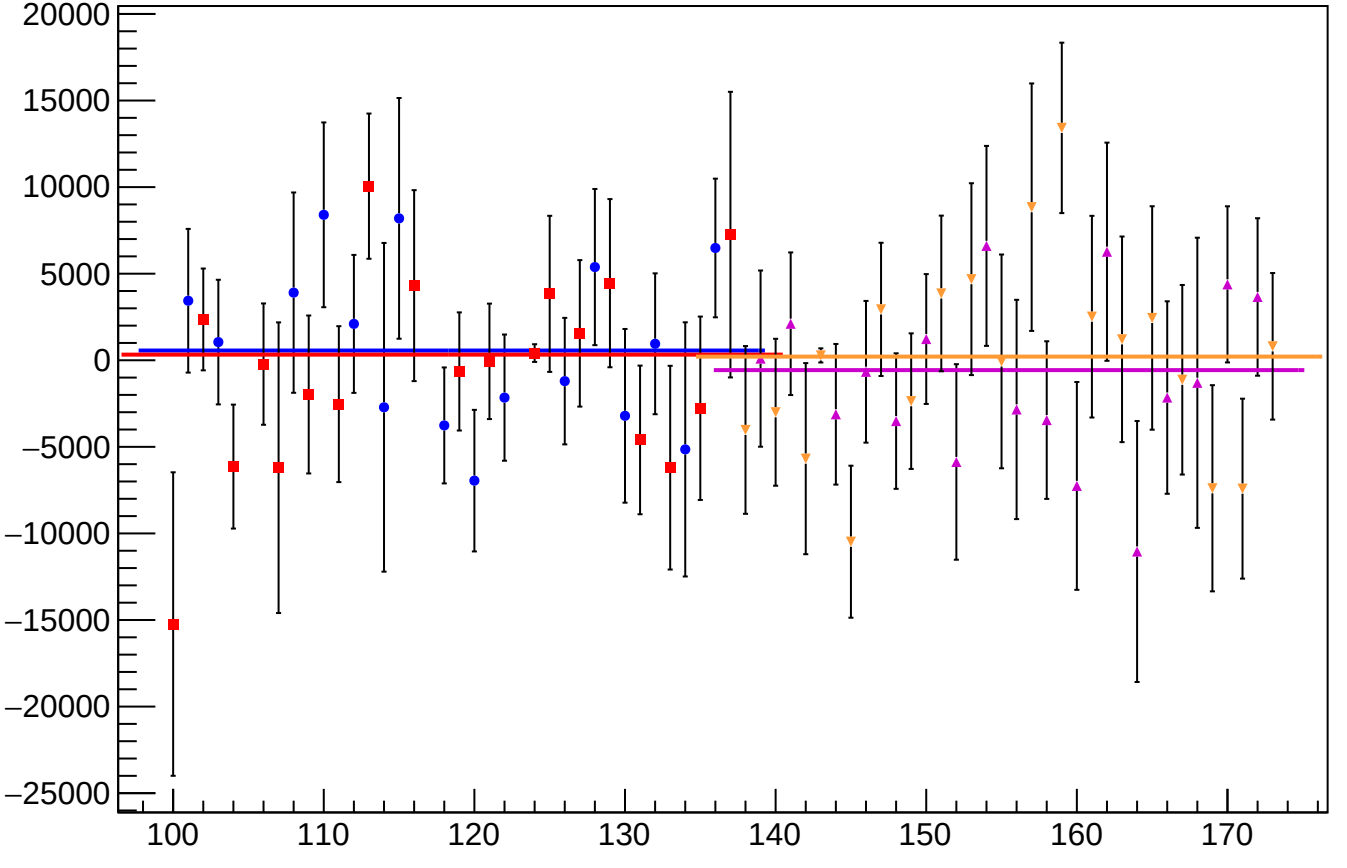
Left: 1885.035+/-0.248 χ^2/NDF: 289619.7/35

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1830.720+/-0.283 χ^2/NDF:740150.2/32

Out: 1837.223+/-0.277 χ^2/NDF:640607.5/37

All: 1834.045+/-0.198 χ^2/NDF: 1381027.1/70



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 211.482+/-386.438 χ^2/NDF:23.5/18

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -568.957+/-1192.114 χ^2/NDF:11.1/16

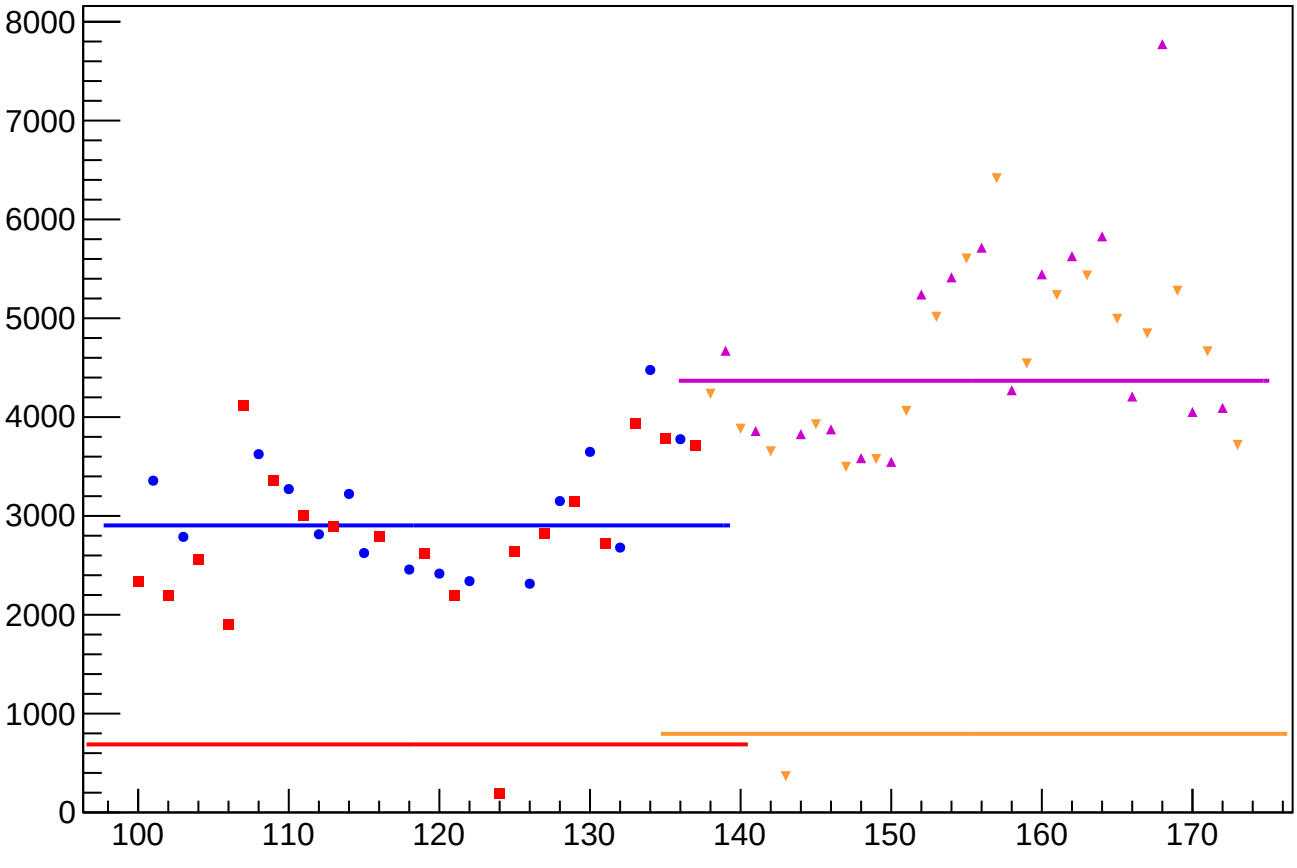
Left: 137.271+/-367.606 χ^2/NDF: 35.0/35

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: 41.488+/-808.885 χ^2/NDF:26.4/32

Out: 258.932+/-295.337 χ^2/NDF:42.8/37

All: 233.354+/-277.424 χ^2/NDF: 69.2/70



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 795.236+/-0.273 χ^2/NDF:21161834.8/18

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 4367.693+/-0.843 χ^2/NDF:1051408.6/16

Left: 1134.938+/-0.260 χ^2/NDF: 38466263.6/35

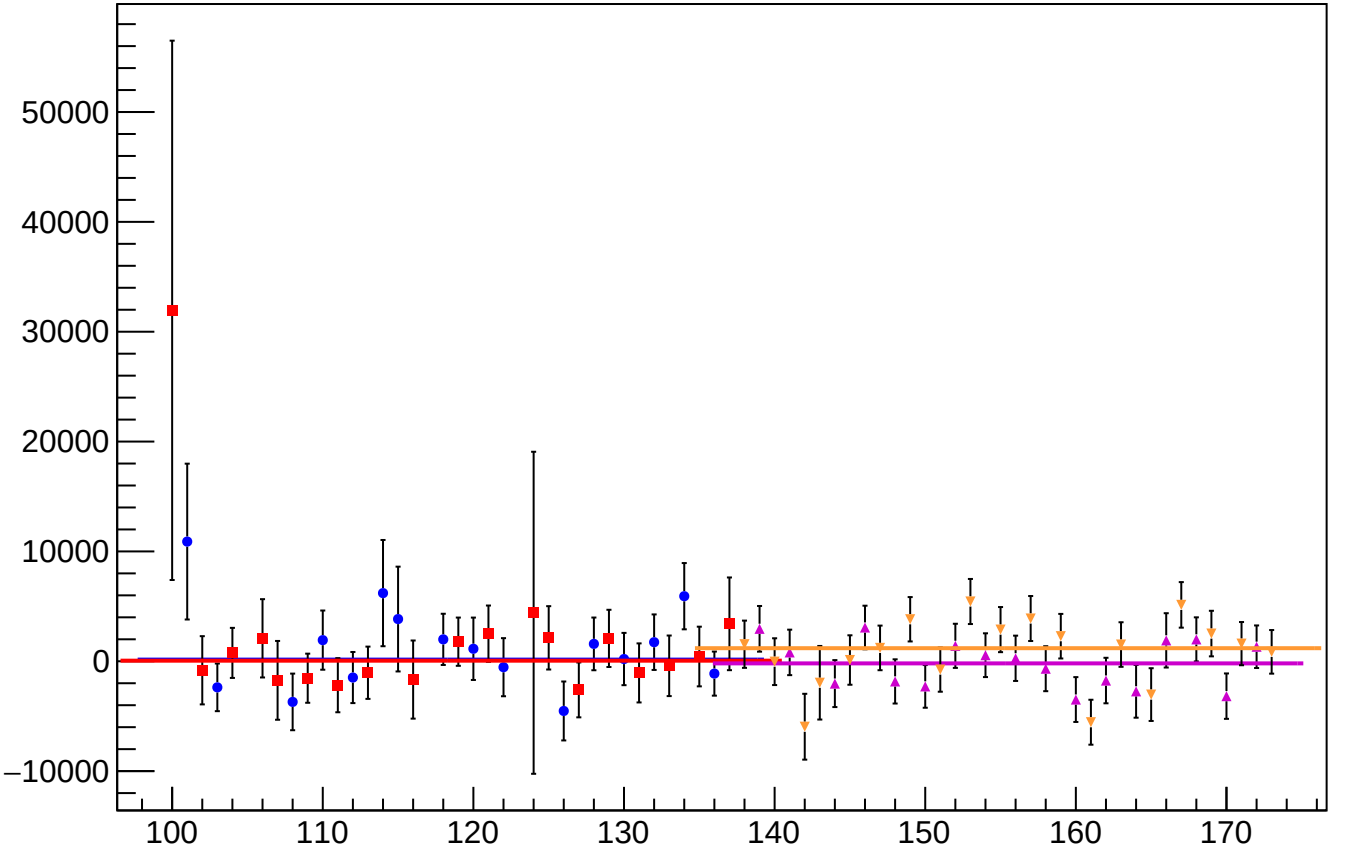
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3577.920+/-0.572 χ^2/NDF:3157964.9/32

Out: 750.768+/-0.209 χ^2/NDF:31374423.8/37

All: 1083.323+/-0.196 χ^2/NDF: 56090279.1/

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1190.206+/-490.472 χ^2/NDF:34.9/18

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -192.794+/-501.080 χ^2/NDF:17.6/16

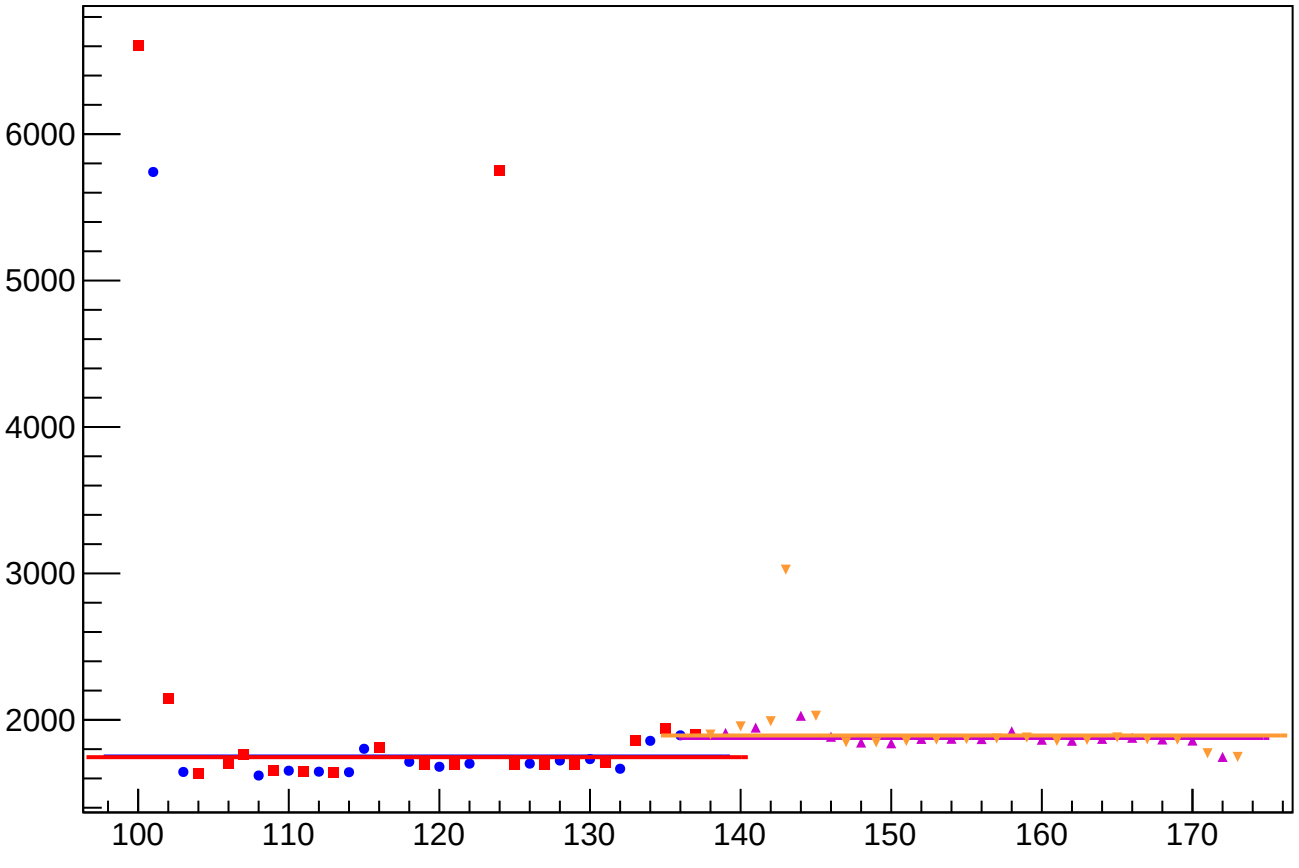
Left: 513.501+/-350.506 χ^2/NDF: 56.3/35

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -69.042+/-400.631 χ^2/NDF:35.4/32

Out: 782.271+/-392.658 χ^2/NDF:45.8/37

All: 365.169+/-280.428 χ^2/NDF: 83.4/70



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1893.358+/-0.347 χ^2/NDF:263839.3/18

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1876.348+/-0.354 χ^2/NDF:24603.4/16

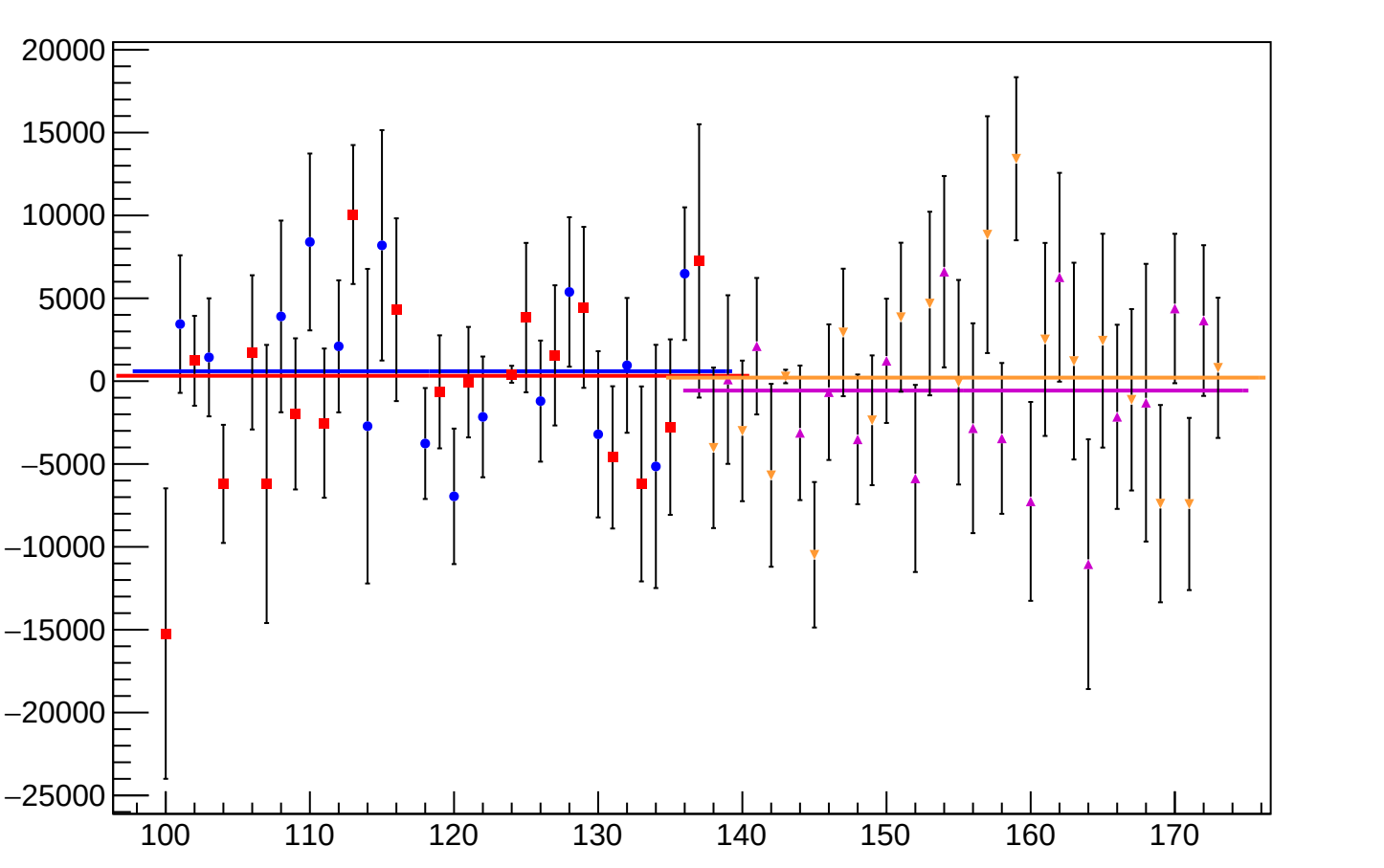
Left: 1885.035+/-0.248 χ^2/NDF: 289619.7/35

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1830.720+/-0.283 χ^2/NDF:740150.6/32

Out: 1839.897+/-0.277 χ^2/NDF:627674.4/37

All: 1835.407+/-0.198 χ^2/NDF: 1368361.0/70



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 212.405+/-386.469 χ^2/NDF:23.5/18

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -568.984+/-1192.112 χ^2/NDF:11.1/16

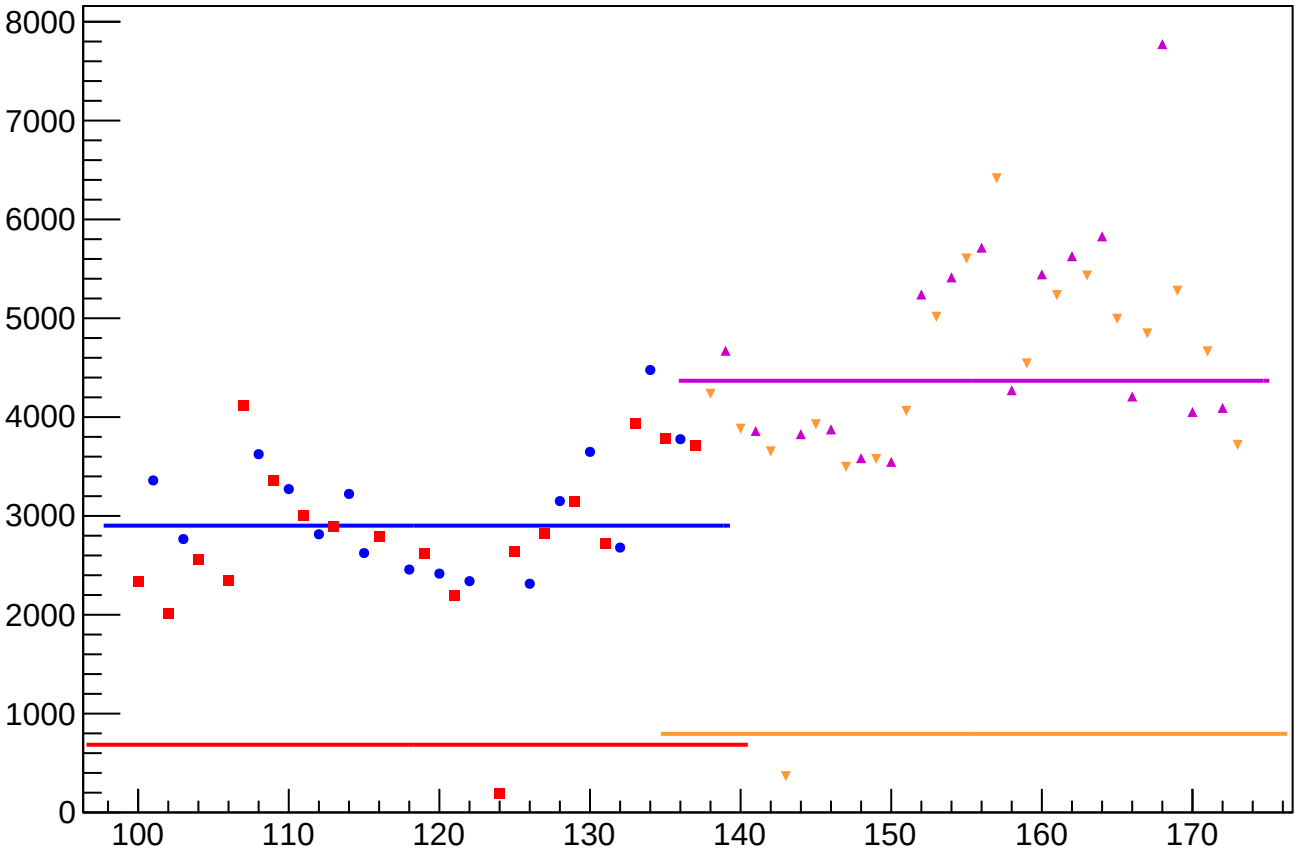
Left: 138.093+/-367.633 χ^2/NDF: 35.0/35

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 62.453+/-808.472 χ^2/NDF:26.5/32

Out: 258.368+/-295.596 χ^2/NDF:42.6/37

All: 235.267+/-277.622 χ^2/NDF: 69.1/70



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 795.341+/-0.273 χ^2/NDF:21161028.6/18

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4367.684+/-0.843 χ^2/NDF:1051424.8/16

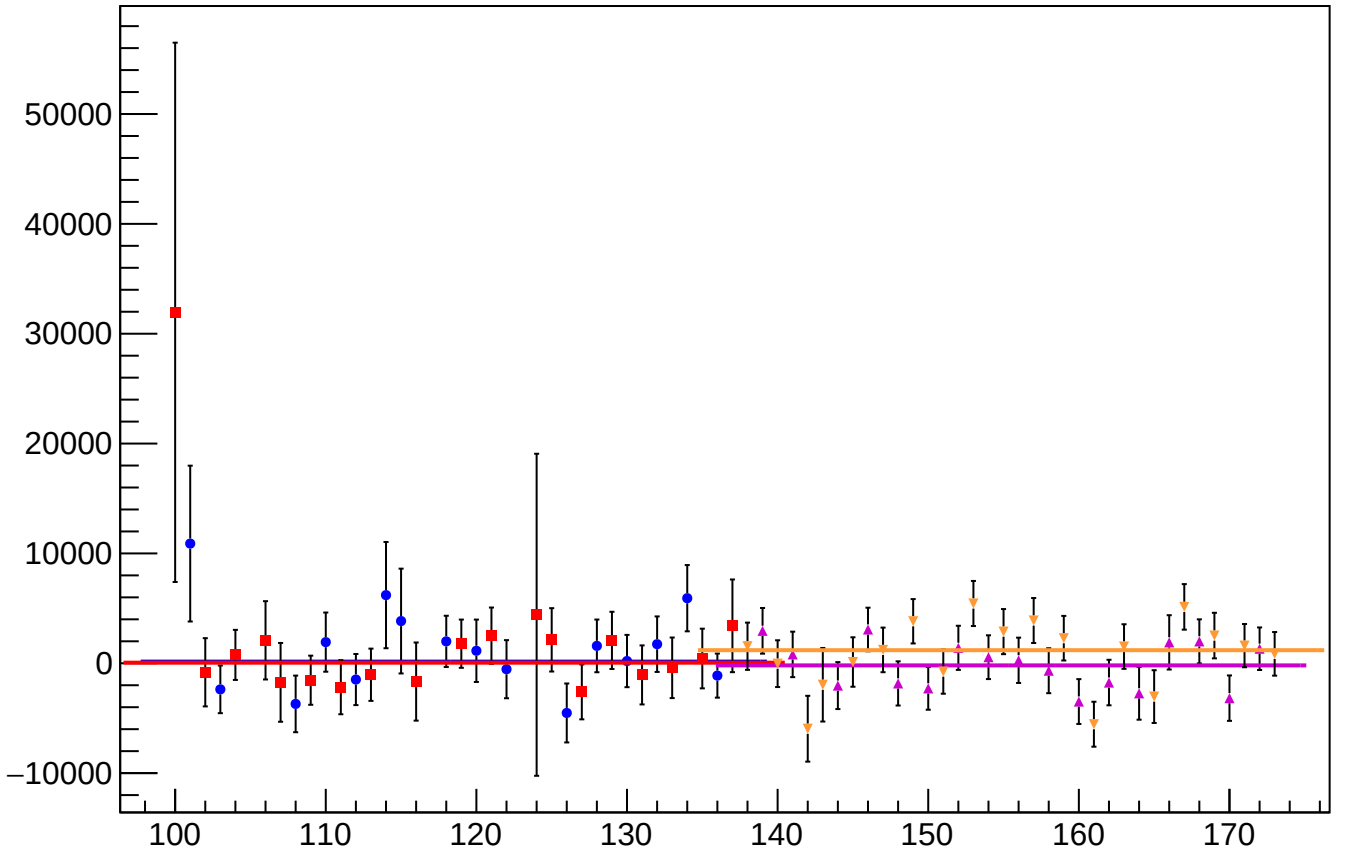
Left: 1135.081+/-0.260 χ^2/NDF: 38464249.7/35

Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3576.044+/-0.572 χ^2/NDF:3165429.5/32

Out: 749.658+/-0.209 χ^2/NDF:31334167.1/37

All: 1082.936+/-0.196 χ^2/NDF: 56060760.4/7



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1190.206+/-490.472 χ^2/NDF:34.9/18

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -192.794+/-501.080 χ^2/NDF:17.6/16

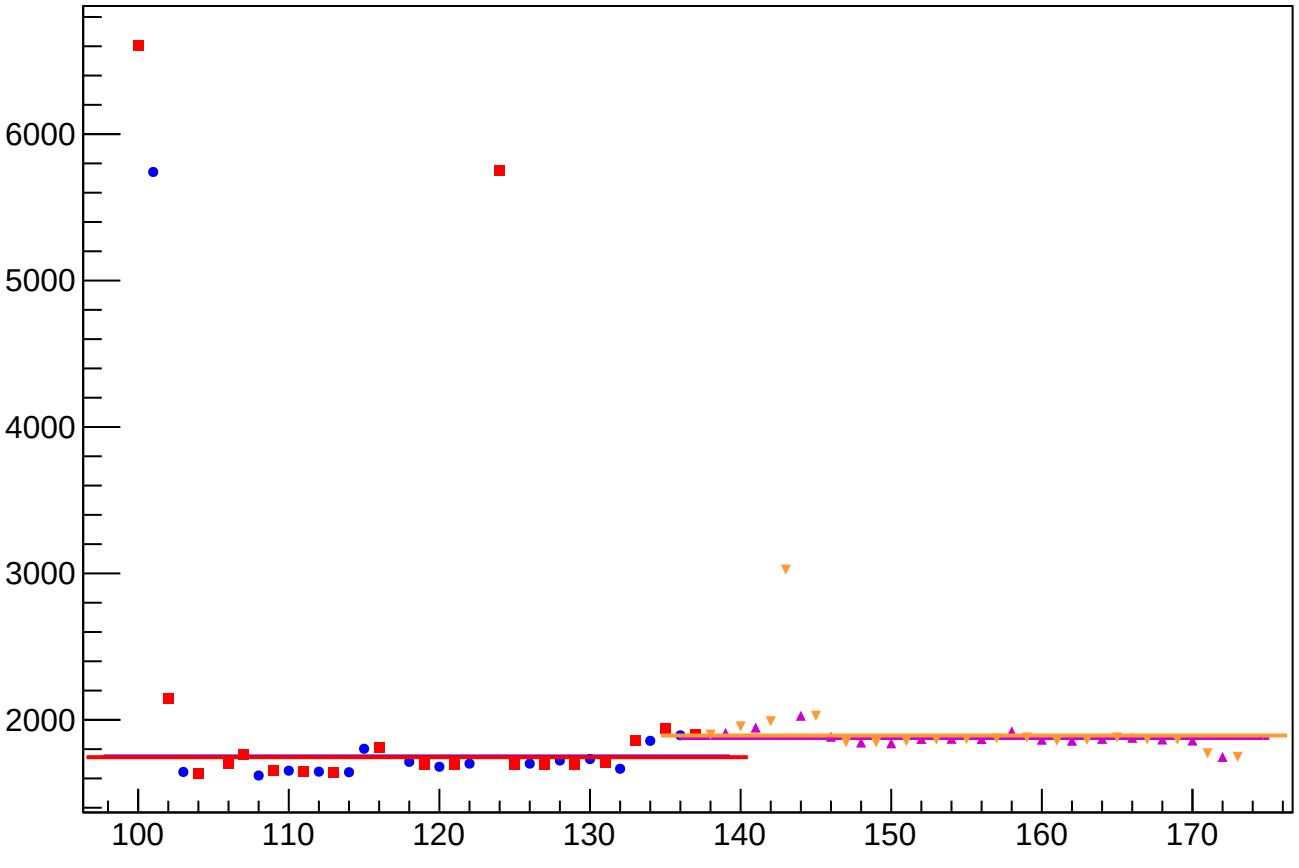
Left: 513.501+/-350.506 χ^2/NDF: 56.3/35

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -69.042+/-400.631 χ^2/NDF:35.4/32

Out: 782.271+/-392.658 χ^2/NDF:45.8/37

All: 365.169+/-280.428 χ^2/NDF: 83.4/70



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1893.358+/-0.347 χ^2/NDF:263839.3/18

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1876.348+/-0.354 χ^2/NDF:24603.4/16

Left: 1885.035+/-0.248 χ^2/NDF: 289619.7/35

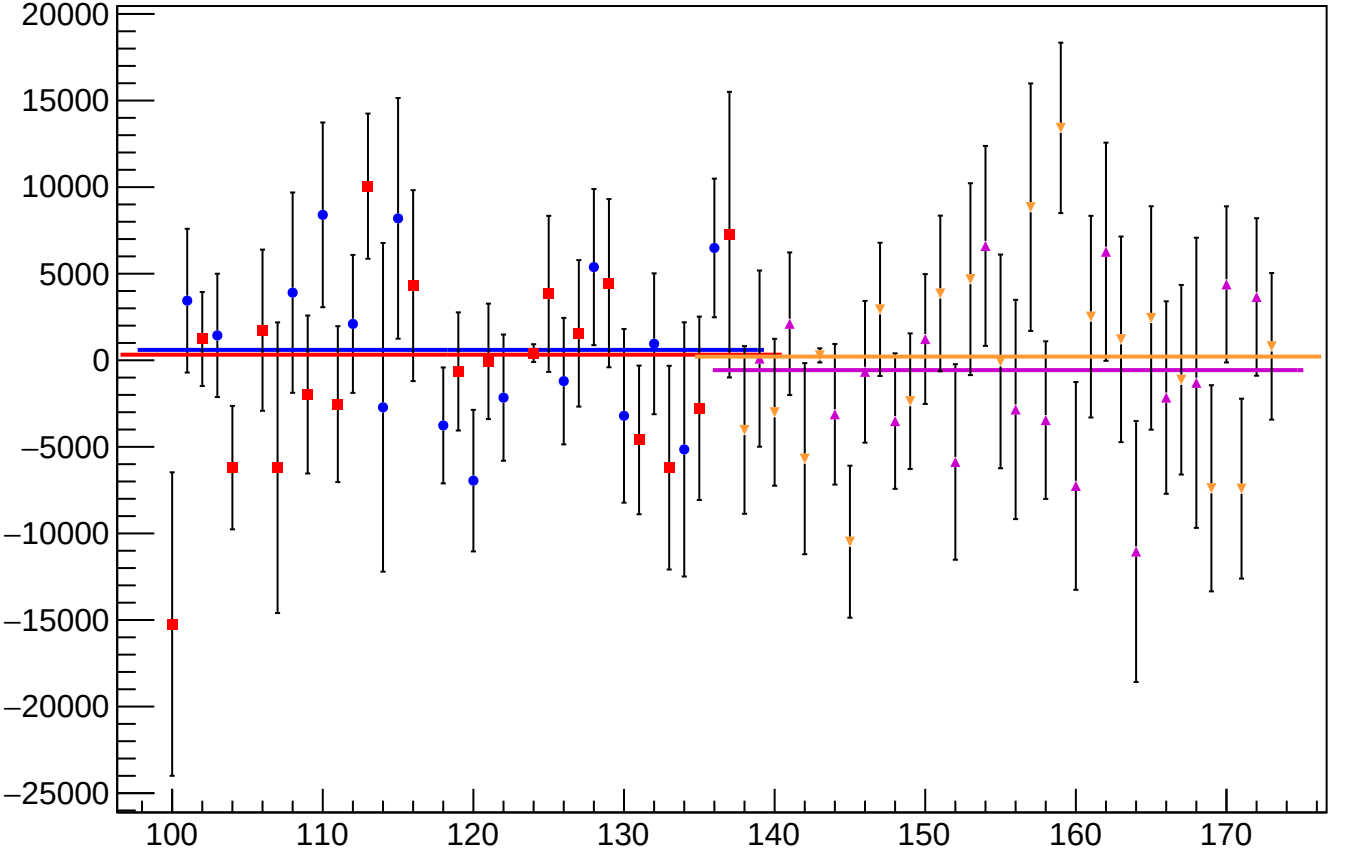
Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1830.720+/-0.283 χ^2/NDF:740150.6/32

Out: 1839.897+/-0.277 χ^2/NDF:627674.4/37

All: 1835.407+/-0.198 χ^2/NDF: 1368361.0/70

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: 212.405+/-386.469 χ^2/NDF:23.5/18

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -568.984+/-1192.112 χ^2/NDF:11.1/16

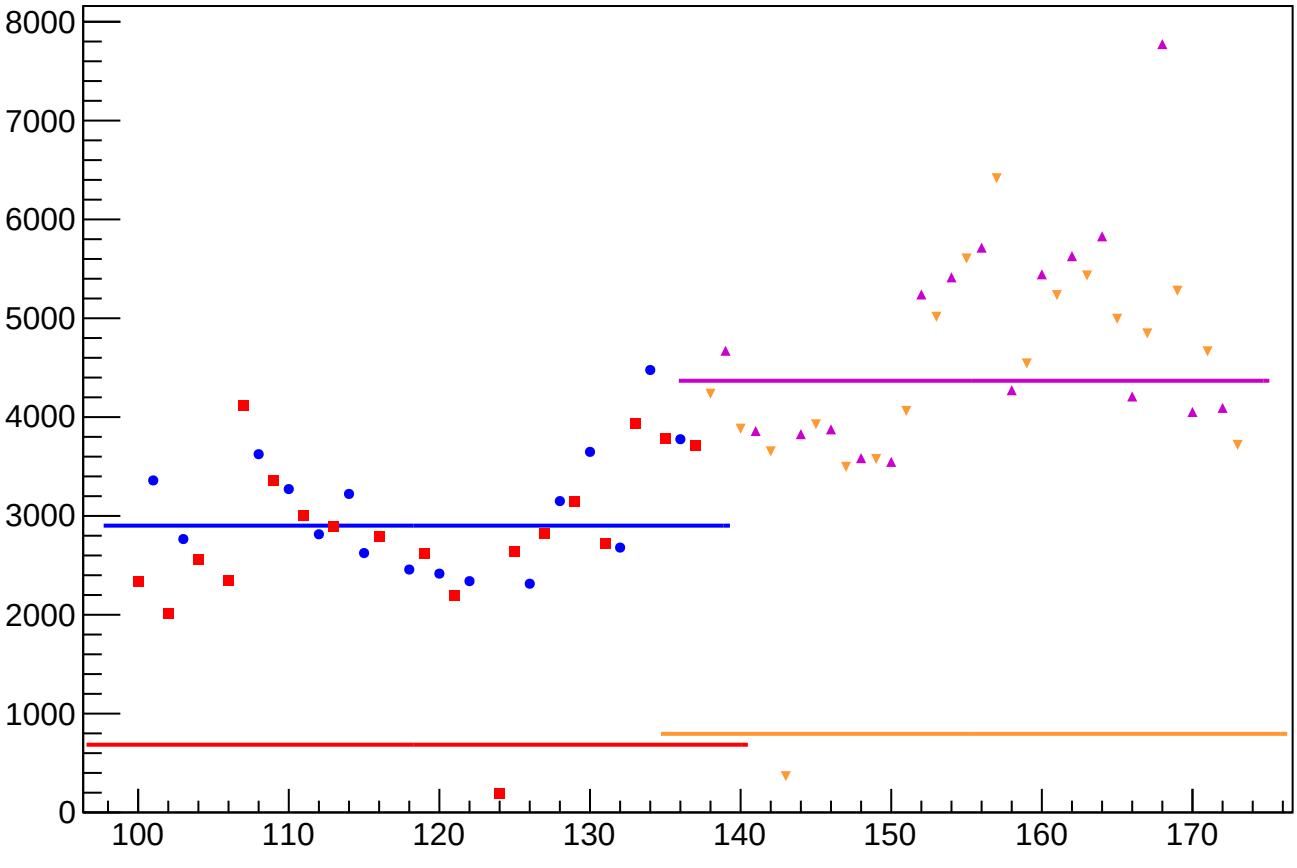
Left: 138.093+/-367.633 χ^2/NDF: 35.0/35

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 62.453+/-808.472 χ^2/NDF:26.5/32

Out: 258.368+/-295.596 χ^2/NDF:42.6/37

All: 235.267+/-277.622 χ^2/NDF: 69.1/70



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 795.341+/-0.273 χ^2/NDF:21161028.6/18

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4367.684+/-0.843 χ^2/NDF:1051424.8/16

Left: 1135.081+/-0.260 χ^2/NDF: 38464249.7/35

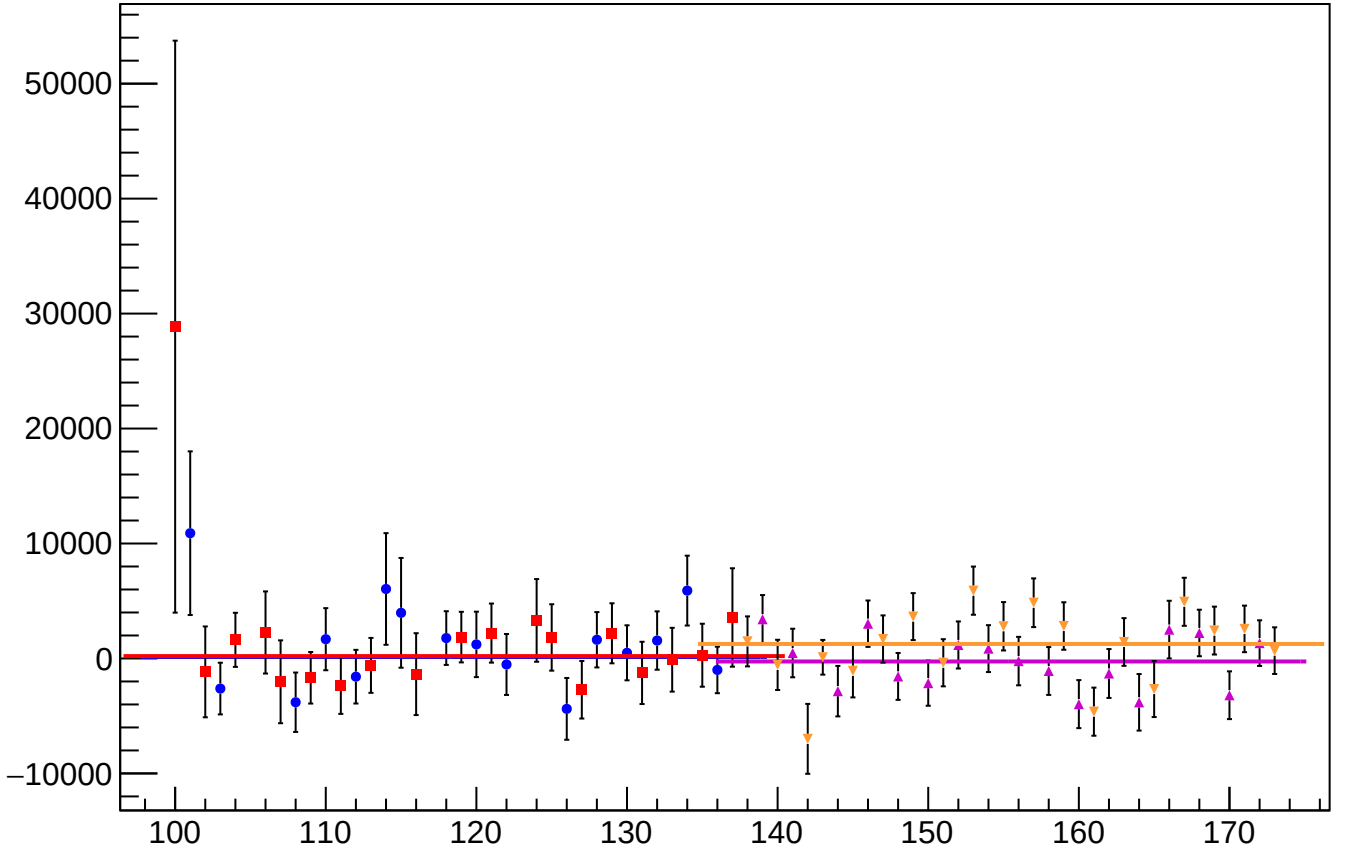
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3576.044+/-0.572 χ^2/NDF:3165429.5/32

Out: 749.658+/-0.209 χ^2/NDF:31334167.1/37

All: 1082.936+/-0.196 χ^2/NDF: 56060760.4/7

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1261.827+/-479.090 χ^2/NDF:35.0/18

Right Out: 205.424+/-654.444 χ^2/NDF: 9.7/18

Left In: -261.729+/-510.185 χ^2/NDF:20.3/16

Left: 547.891+/-349.244 χ^2/NDF: 60.1/35

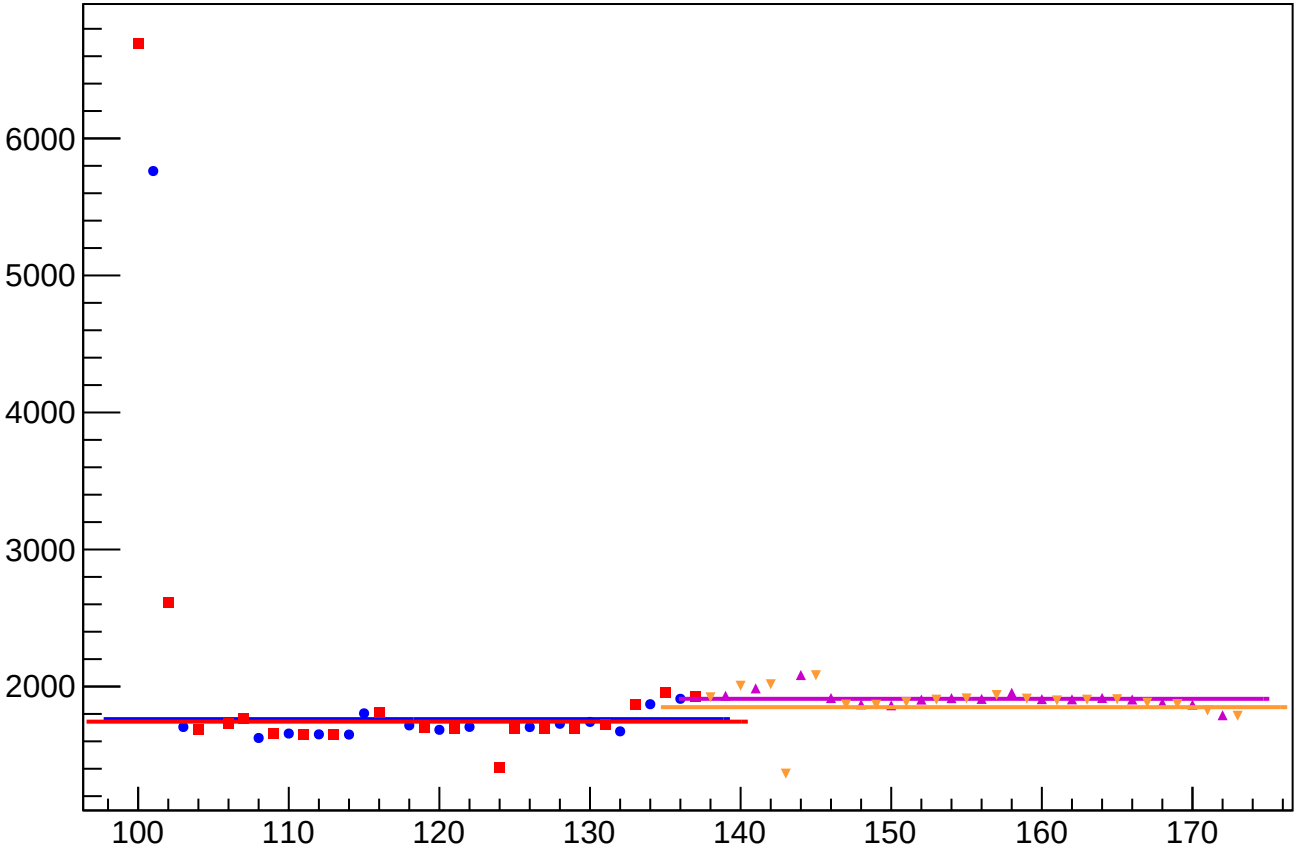
Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: -116.990+/-406.262 χ^2/NDF:37.8/32

Out: 893.229+/-386.576 χ^2/NDF:46.4/37

All: 413.188+/-280.051 χ^2/NDF: 87.5/70

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1849.399+/-0.339 χ^2/NDF:261136.8/18

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1910.308+/-0.361 χ^2/NDF:26732.3/16

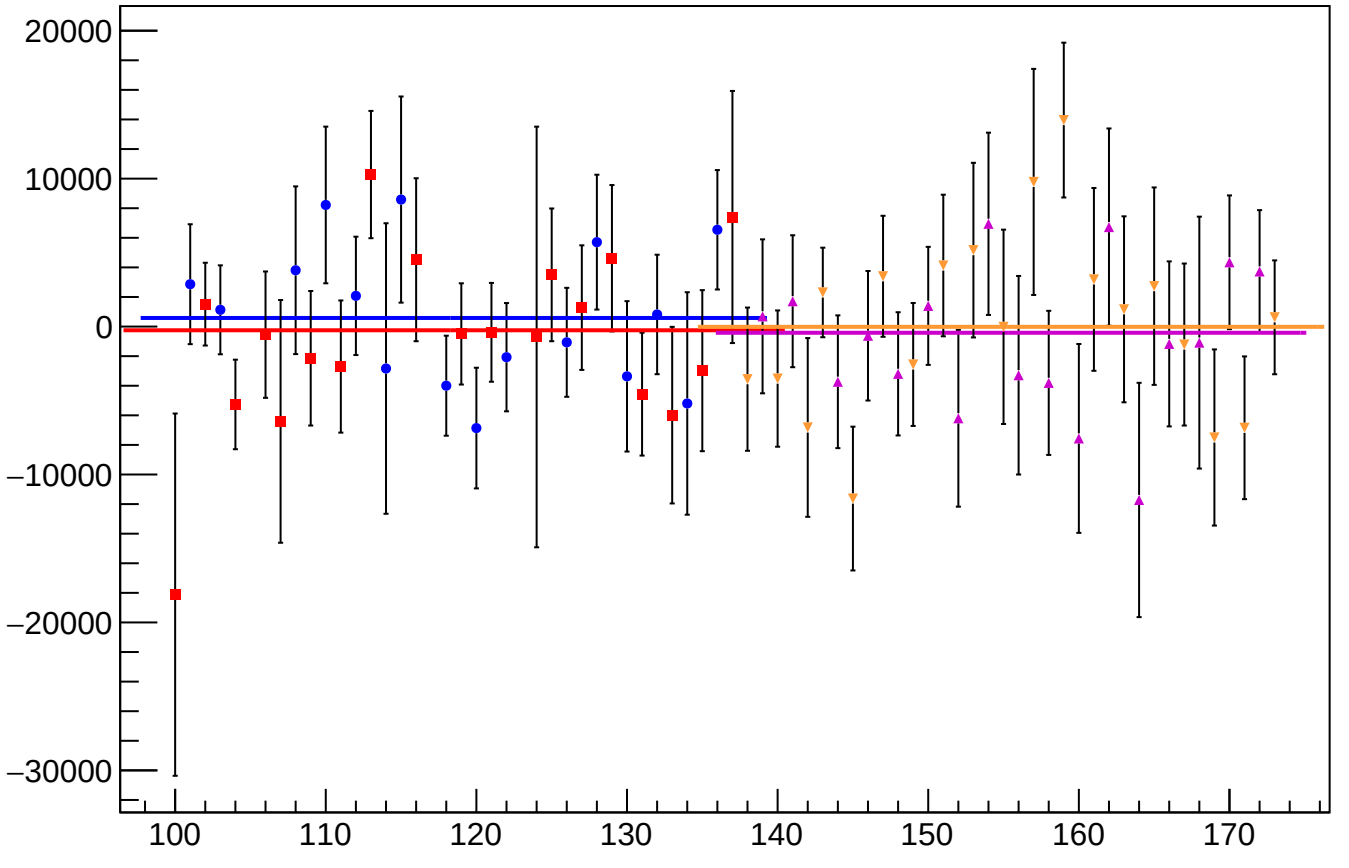
Left: 1877.941+/-0.247 χ^2/NDF: 303017.5/35

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1856.061+/-0.287 χ^2/NDF:756225.5/32

Out: 1812.388+/-0.273 χ^2/NDF:522978.7/37

All: 1833.119+/-0.198 χ^2/NDF: 1291345.5/70



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: -17.632+/-1131.149 χ^2/NDF:24.2/18

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: -419.216+/-1245.845 χ^2/NDF:11.1/16

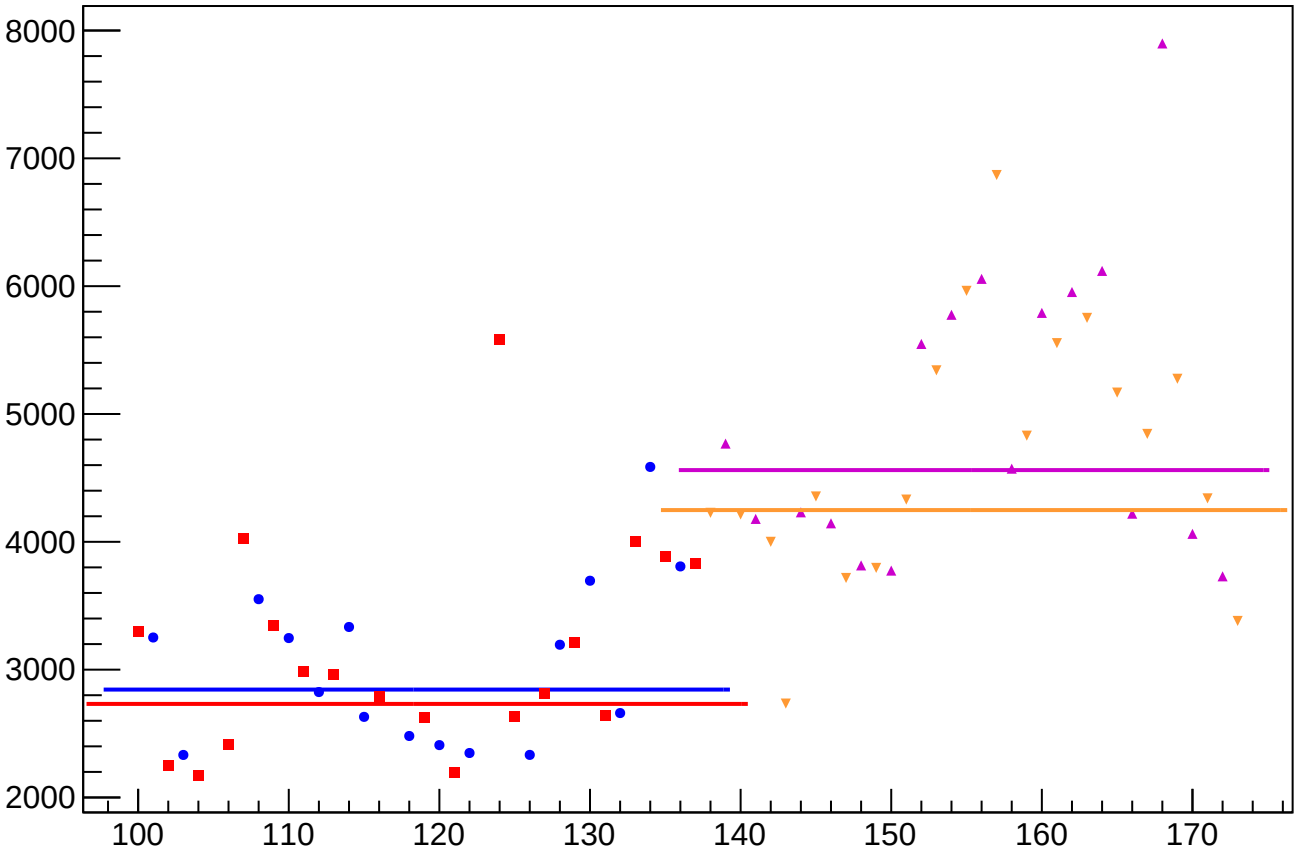
Left: -199.092+/-837.463 χ^2/NDF: 35.3/35

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: 151.878+/-816.696 χ^2/NDF:26.3/32

Out: -145.800+/-757.919 χ^2/NDF:42.1/37

All: -8.057+/-555.548 χ^2/NDF: 68.5/70



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4248.351+/-0.800 χ^2/NDF:1454948.7/18

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4561.194+/-0.881 χ^2/NDF:1078887.9/16

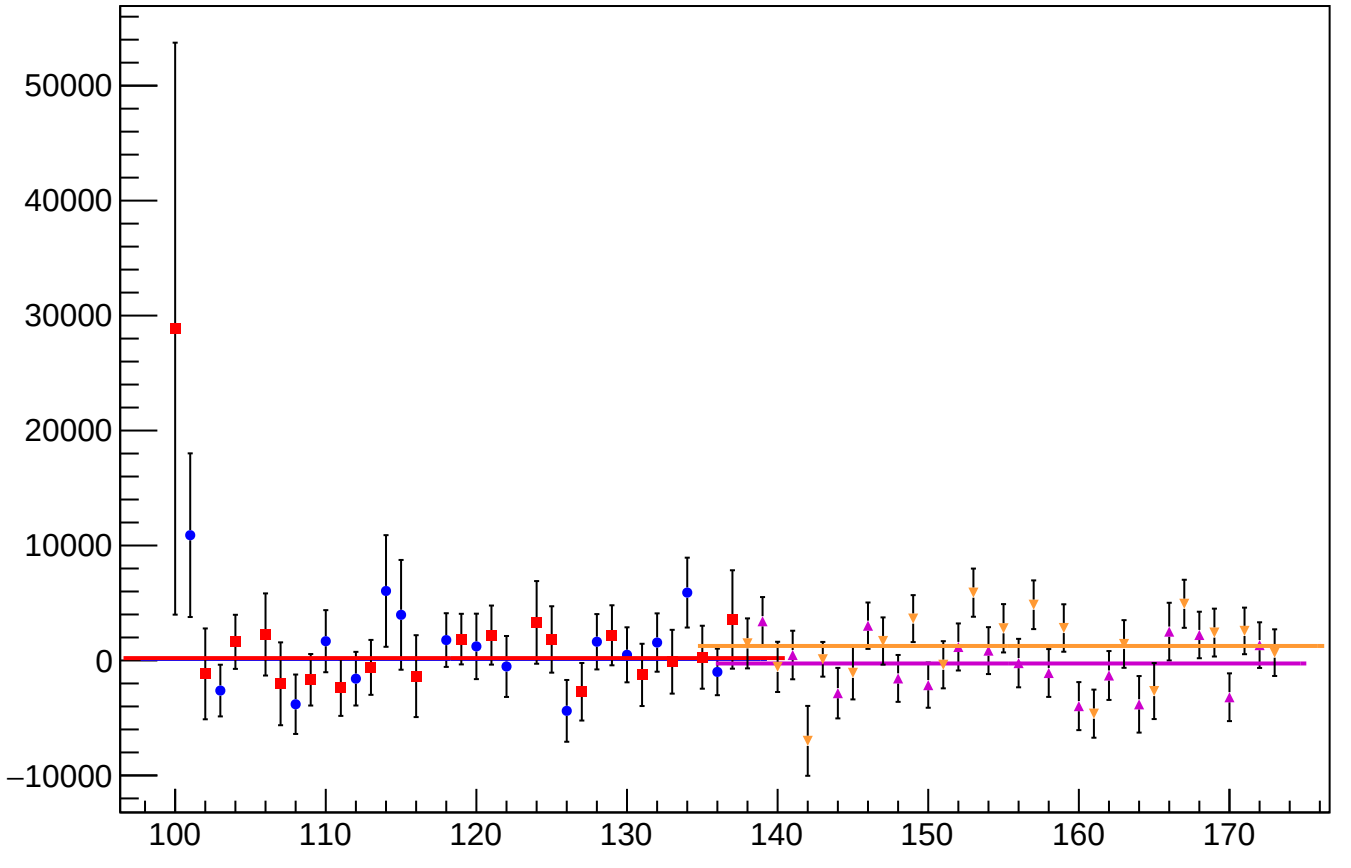
Left: 4389.712+/-0.592 χ^2/NDF: 2602963.5/35

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3582.011+/-0.577 χ^2/NDF:3787357.4/32

Out: 3412.767+/-0.536 χ^2/NDF:4046778.4/37

All: 3491.080+/-0.393 χ^2/NDF: 7880281.8/70



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1261.827+/-479.090 χ^2/NDF:35.0/18

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: -261.730+/-510.186 χ^2/NDF:20.3/16

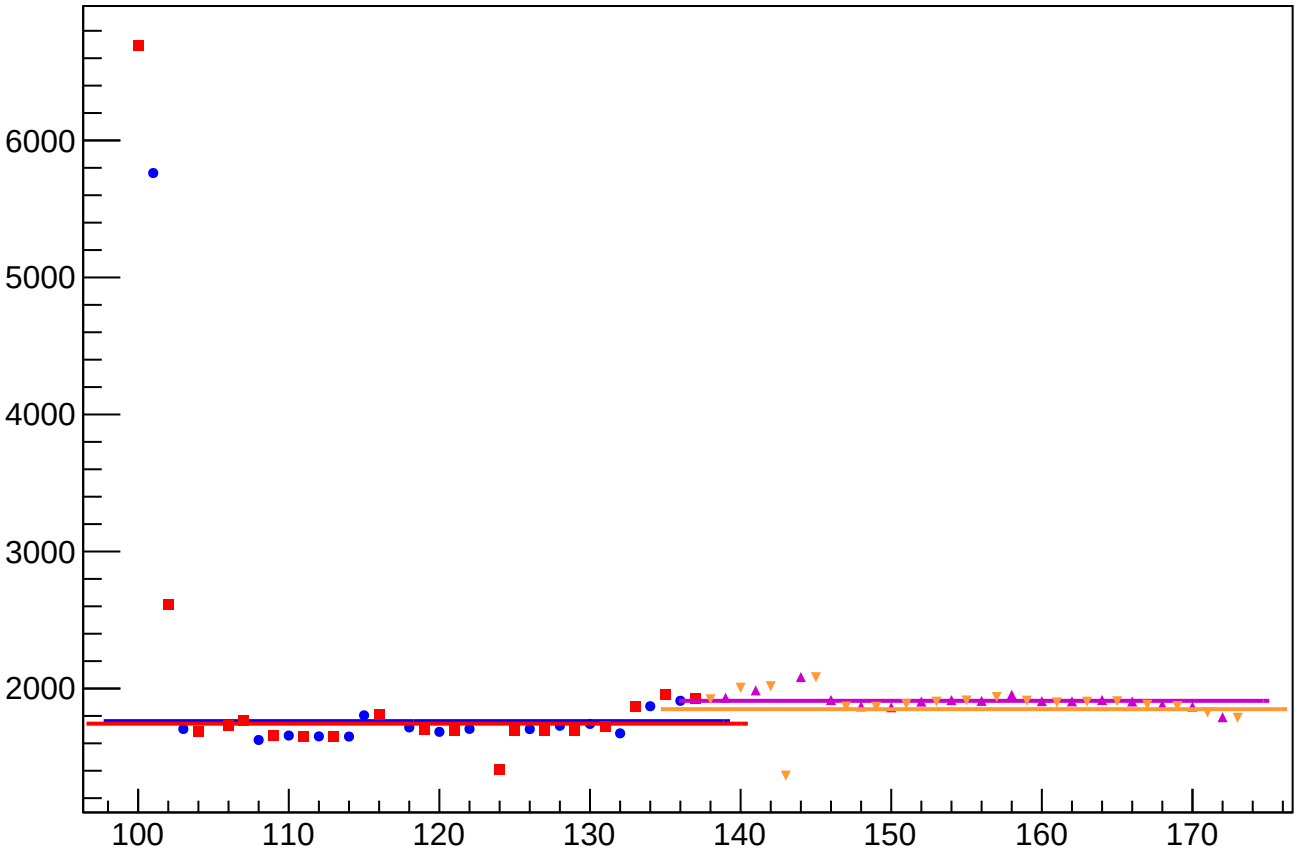
Left: 547.891+/-349.244 χ^2/NDF: 60.1/35

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: -116.992+/-406.262 χ^2/NDF:37.8/32

Out: 893.228+/-386.576 χ^2/NDF:46.4/37

All: 413.187+/-280.051 χ^2/NDF: 87.5/70



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1849.399+/-0.339 χ^2/NDF:261138.4/18

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1910.309+/-0.361 χ^2/NDF:26733.1/16

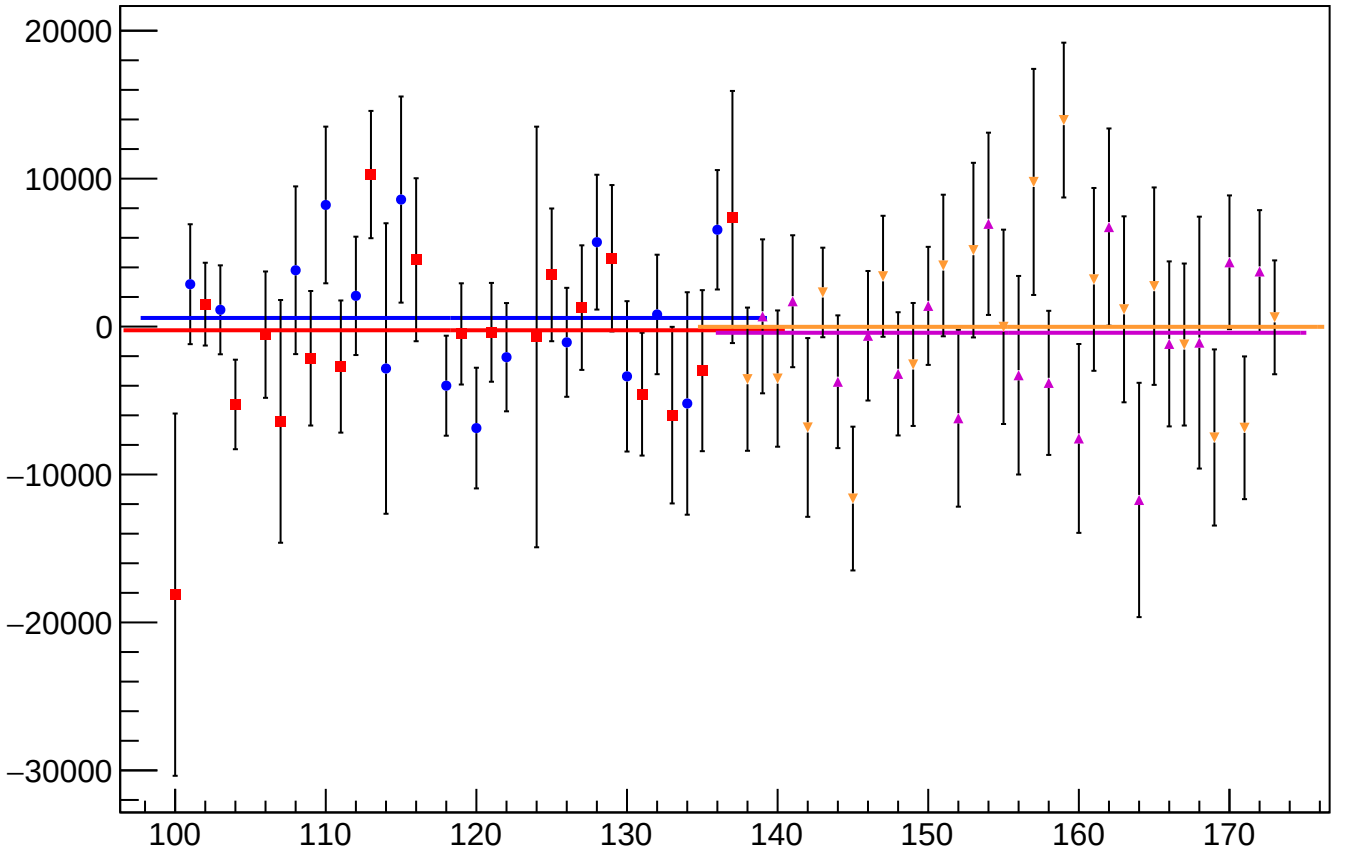
Left: 1877.941+/-0.247 χ^2/NDF: 303020.0/35

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1856.061+/-0.287 χ^2/NDF:756226.8/32

Out: 1812.388+/-0.273 χ^2/NDF:522980.6/37

All: 1833.119+/-0.198 χ^2/NDF: 1291348.8/70



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -17.629+/-1131.150 χ^2/NDF:24.2/18

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -419.217+/-1245.847 χ^2/NDF:11.1/16

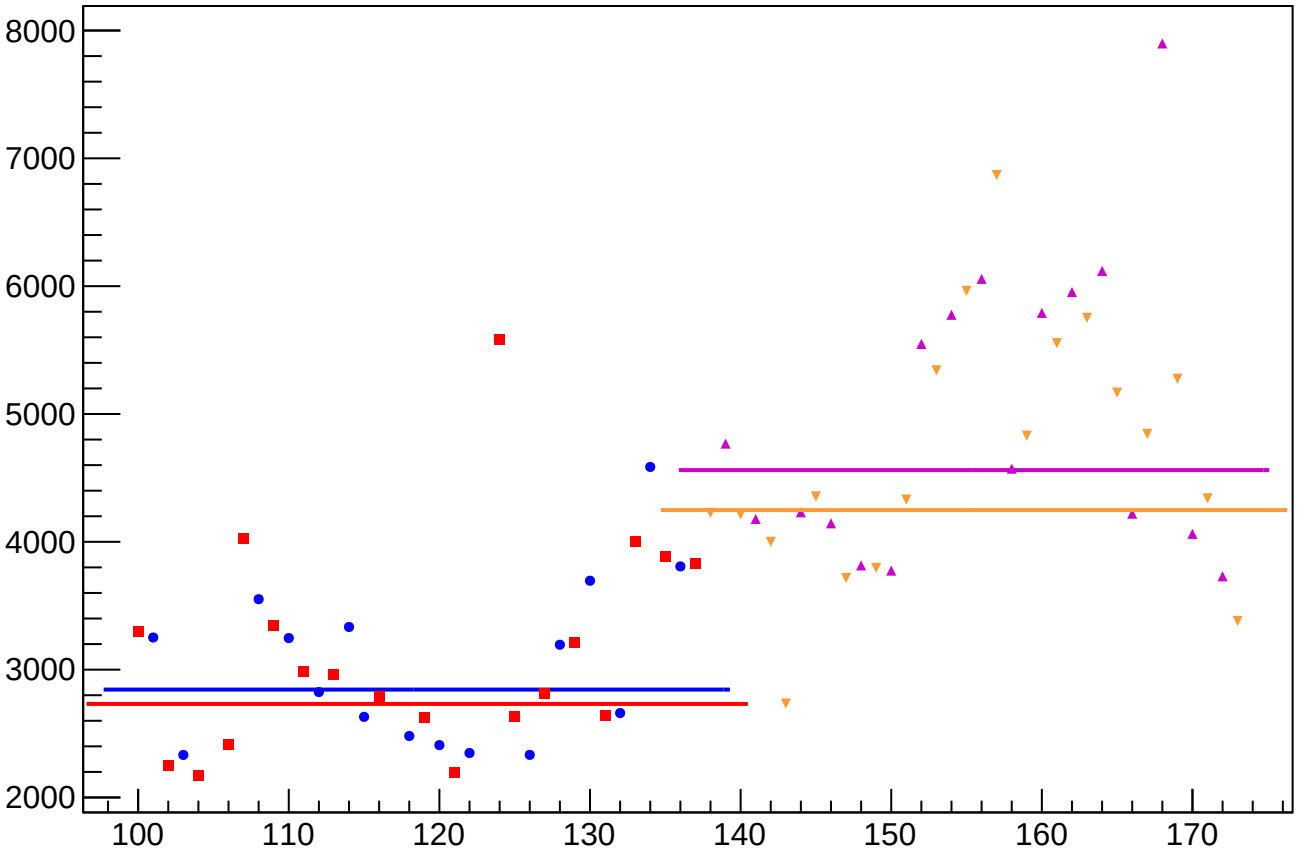
Left: -199.090+/-837.465 χ^2/NDF: 35.3/35

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 151.877+/-816.695 χ^2/NDF:26.3/32

Out: -145.799+/-757.919 χ^2/NDF:42.1/37

All: -8.057+/-555.548 χ^2/NDF: 68.5/70



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4248.357+/-0.800 χ^2/NDF:1454951.9/18

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4561.201+/-0.881 χ^2/NDF:1078888.4/16

Left: 4389.719+/-0.592 χ^2/NDF: 2602967.3/35

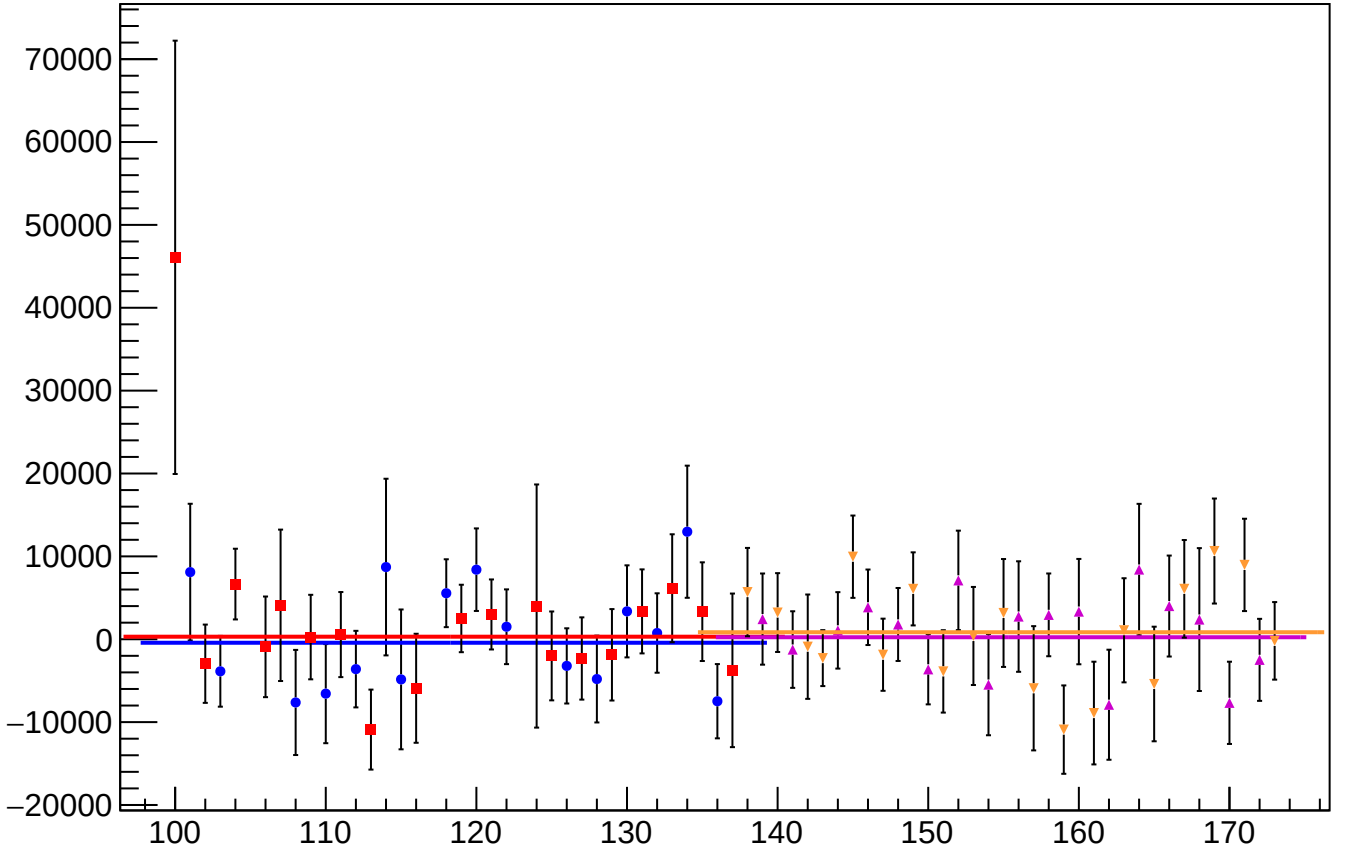
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3582.006+/-0.577 χ^2/NDF:3787399.9/32

Out: 3412.764+/-0.536 χ^2/NDF:4046811.1/37

All: 3491.077+/-0.393 χ^2/NDF: 7880356.0/70

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 846.491+/-1206.831 χ^2/NDF:22.5/18

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: 241.312+/-1307.486 χ^2/NDF:10.6/16

Left: 568.090+/-886.810 χ^2/NDF: 33.2/35

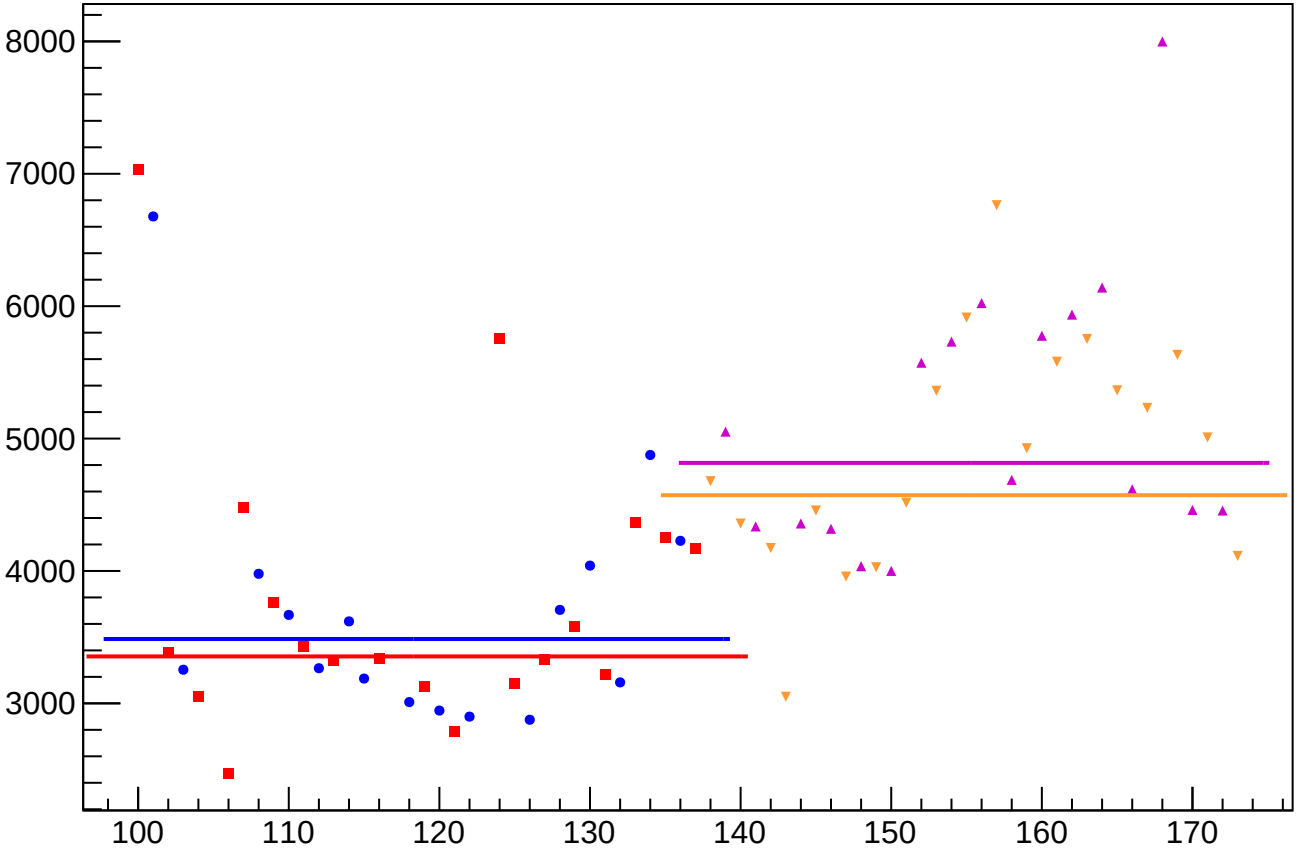
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: -85.924+/-931.444 χ^2/NDF:28.6/32

Out: 592.093+/-876.700 χ^2/NDF:37.9/37

All: 273.593+/-638.397 χ^2/NDF: 66.8/70

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4572.238+/-0.853 χ^2/NDF:1053719.8/18

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4816.437+/-0.925 χ^2/NDF:803780.6/16

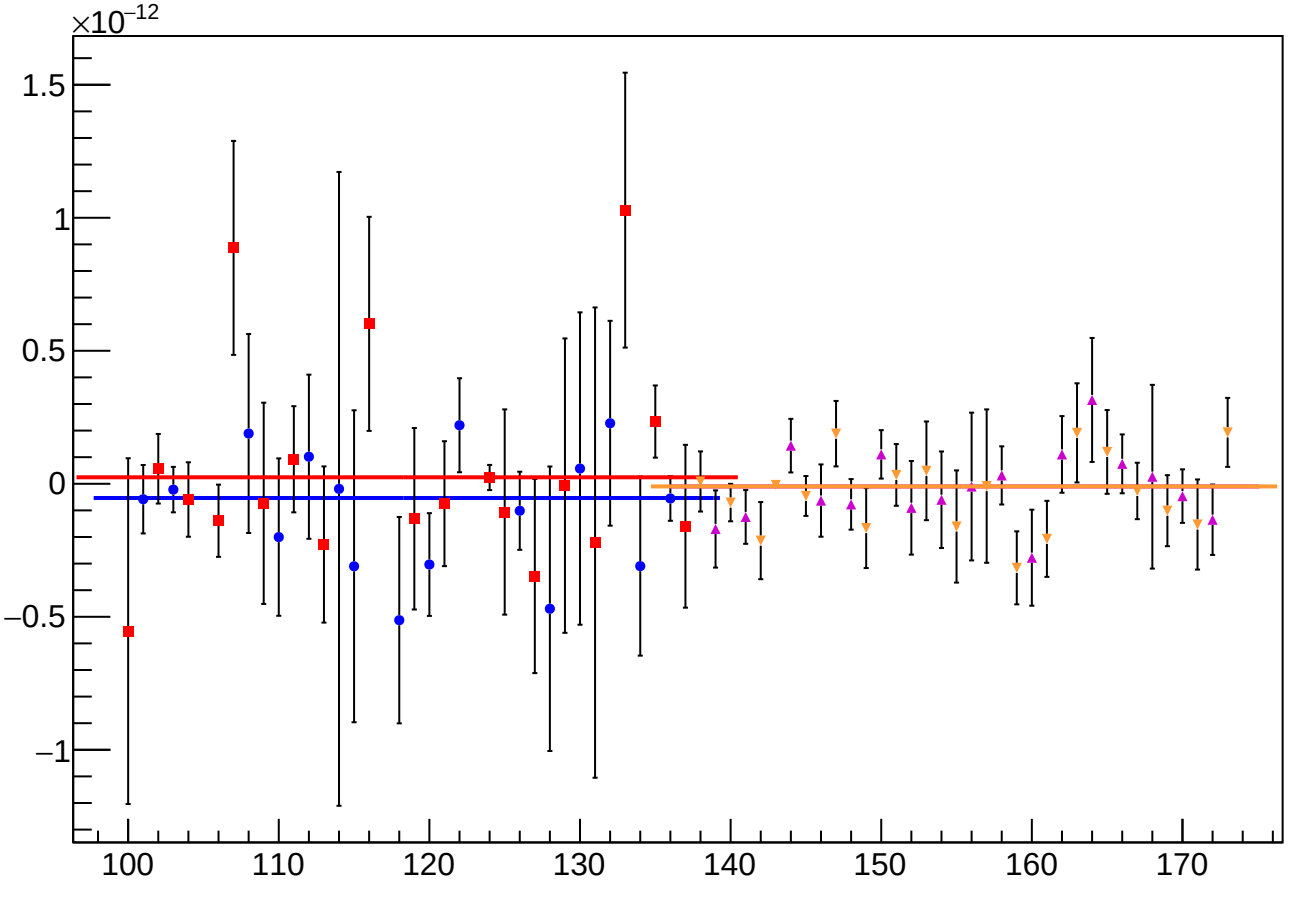
Left: 4684.577+/-0.627 χ^2/NDF: 1895171.6/35

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 4161.283+/-0.659 χ^2/NDF:2419192.8/32

Out: 3988.571+/-0.616 χ^2/NDF:2406220.5/37

All: 4069.128+/-0.450 χ^2/NDF: 4862104.2/70



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:14.1/16

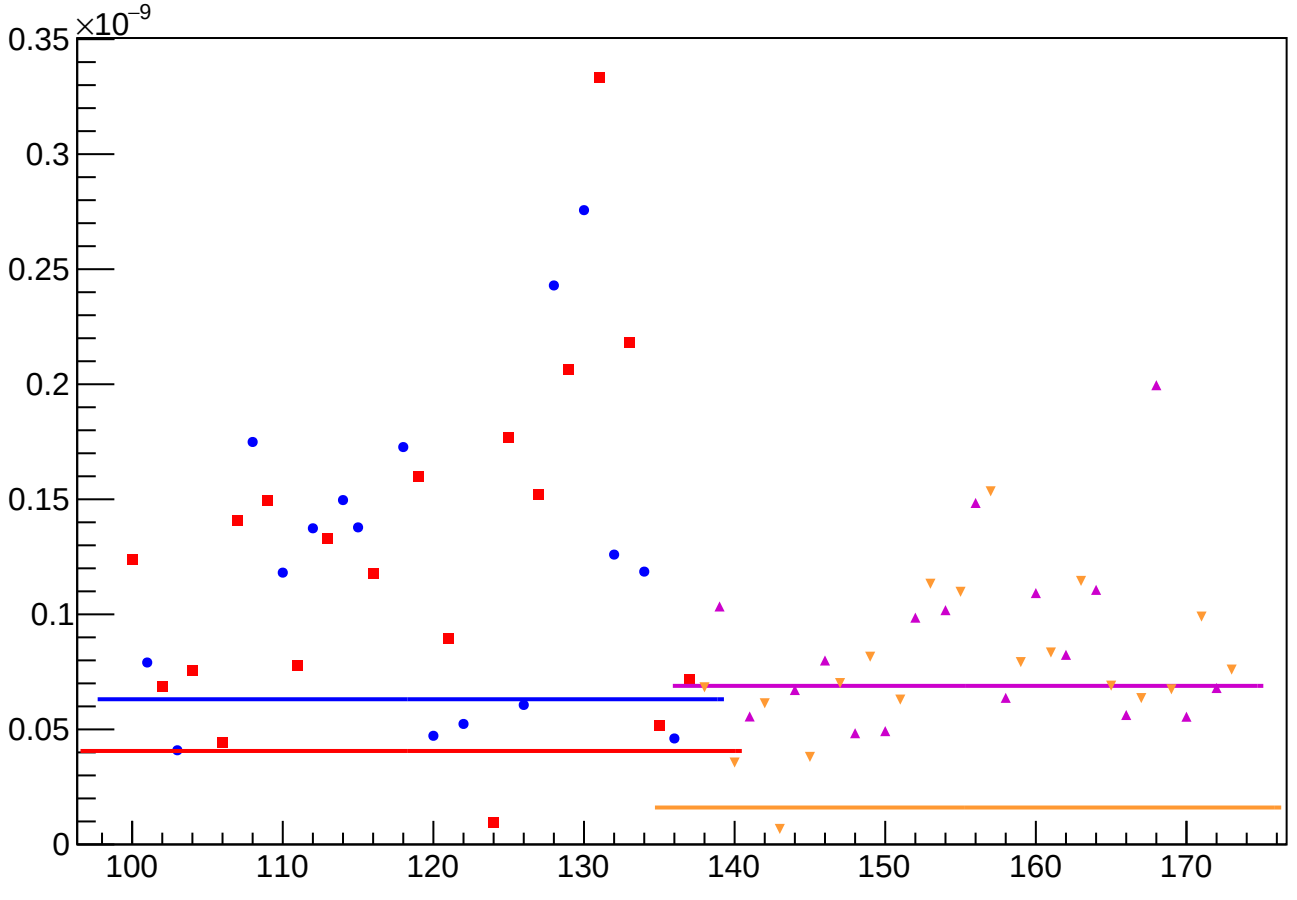
Left: -0.000+/-0.000 χ^2/NDF: 34.1/35

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:23.4/32

Out: -0.000+/-0.000 χ^2/NDF:39.2/37

All: -0.000+/-0.000 χ^2/NDF: 62.9/70



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7739404.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1168951.7/16

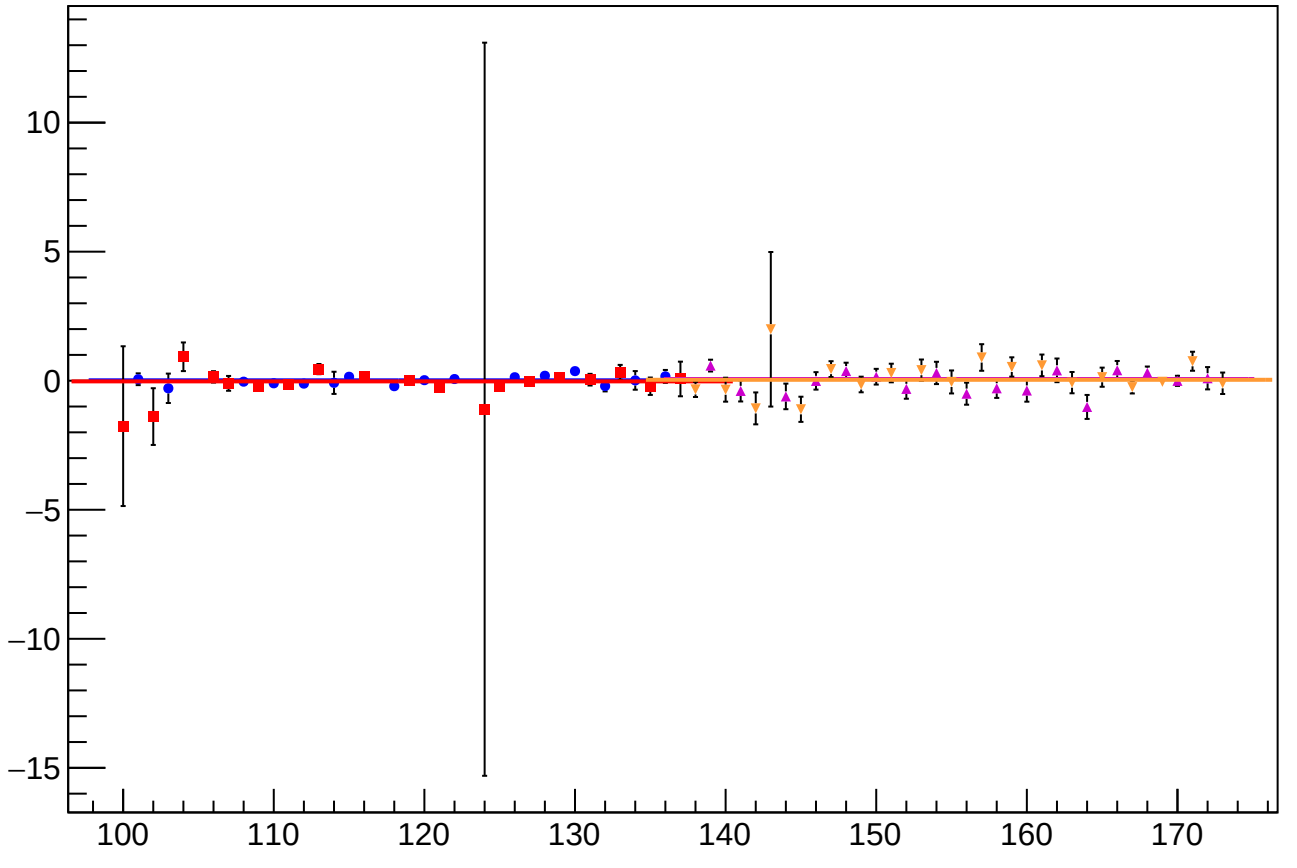
Left: 0.000+/-0.000 χ^2/NDF: 13950947.7/35

Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:2623947.3/32

Out: 0.000+/-0.000 χ^2/NDF:11764360.8/37

All: 0.000+/-0.000 χ^2/NDF: 20458064.0/70



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.036+/-0.080 χ^2/NDF:26.9/18

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.066+/-0.081 χ^2/NDF:22.4/16

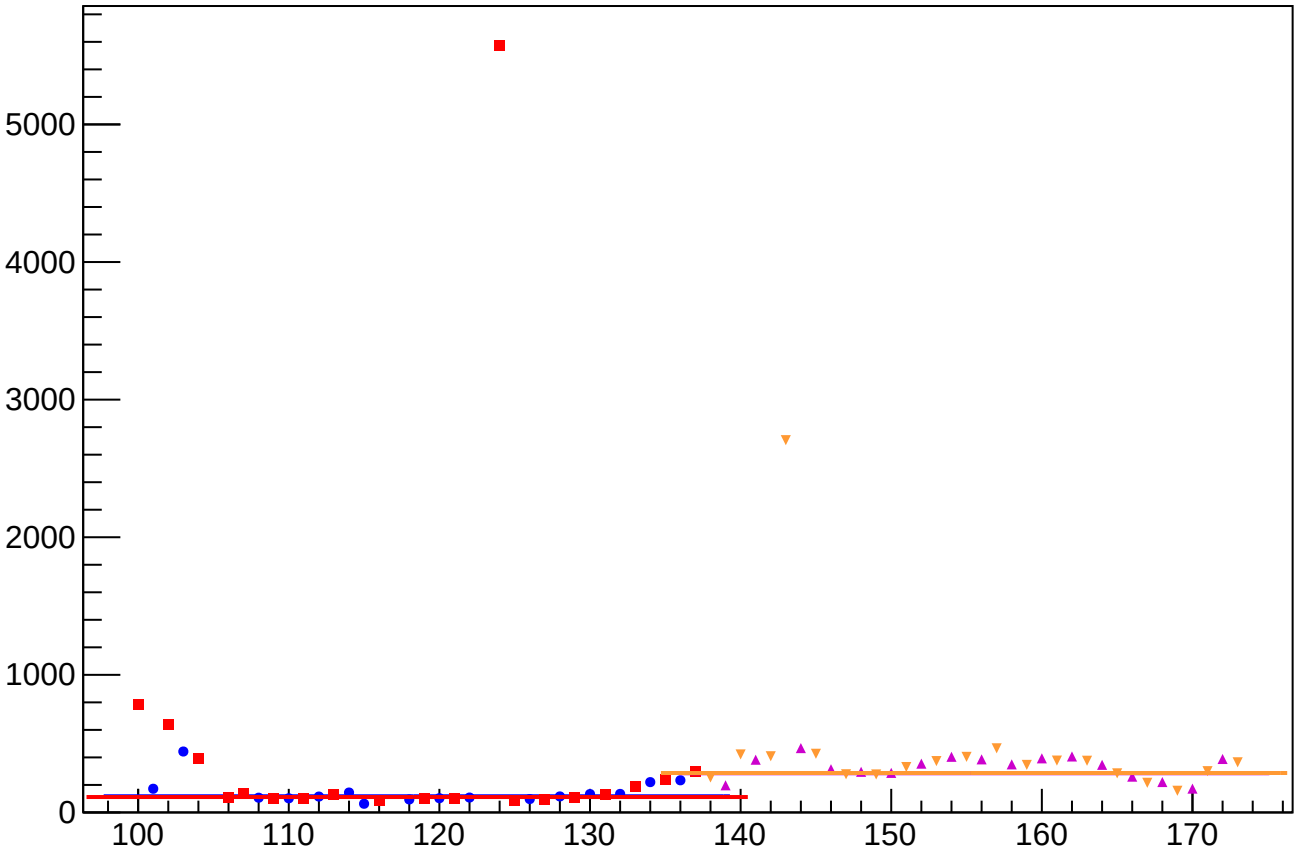
Left: 0.051+/-0.057 χ^2/NDF: 49.4/35

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.029+/-0.041 χ^2/NDF:34.5/32

Out: -0.010+/-0.040 χ^2/NDF:49.5/37

All: 0.009+/-0.029 χ^2/NDF: 84.4/70



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 286.752+/-0.057 χ^2/NDF:3777691.4/18

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 284.783+/-0.057 χ^2/NDF:2303725.0/16

Left: 285.769+/-0.040 χ^2/NDF: 6082015.0/35

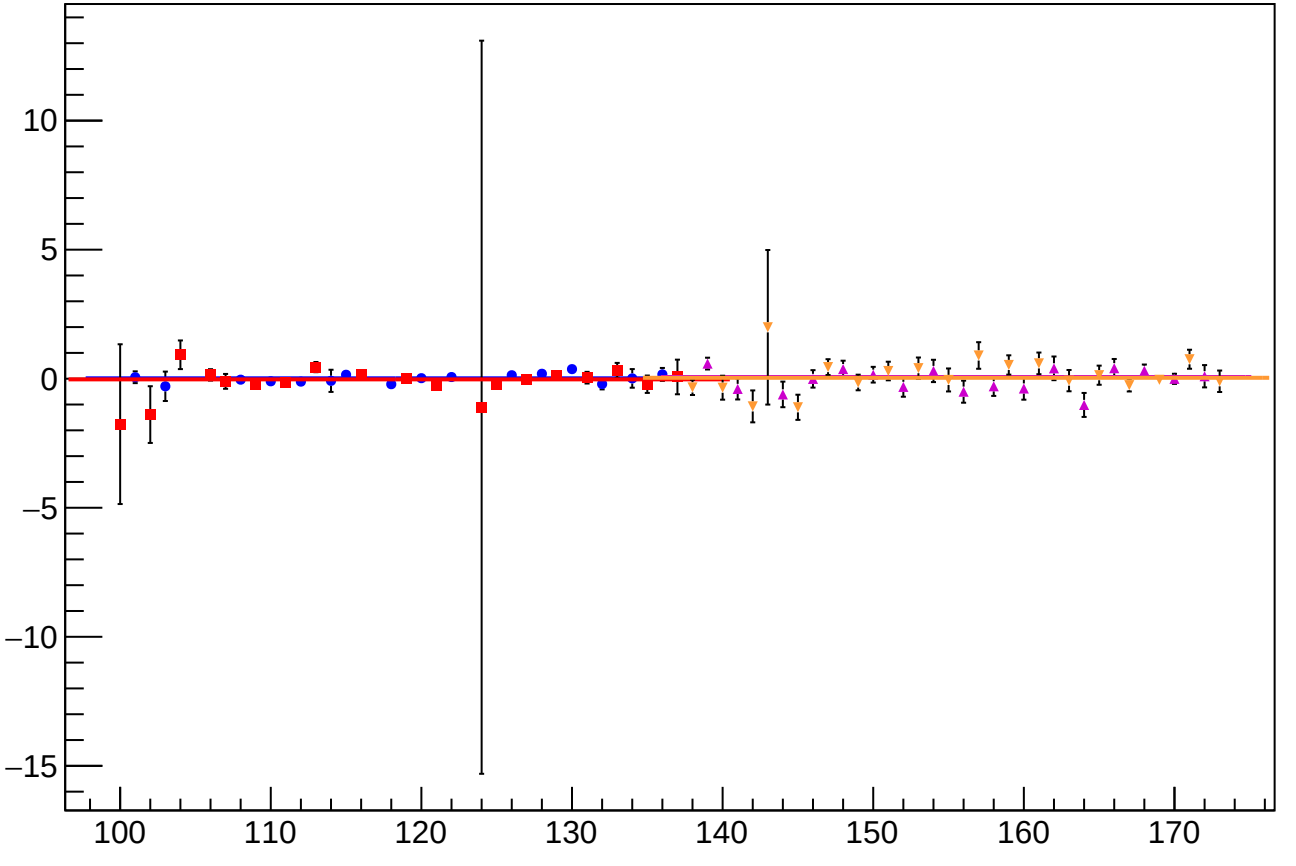
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 161.299+/-0.029 χ^2/NDF:10387139.4/32

Out: 156.377+/-0.029 χ^2/NDF:13007837.8/37

All: 158.796+/-0.020 χ^2/NDF: 23409516.8/70

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: 0.036+/-0.080 χ^2/NDF:26.9/18

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.066+/-0.081 χ^2/NDF:22.4/16

Left: 0.051+/-0.057 χ^2/NDF: 49.4/35

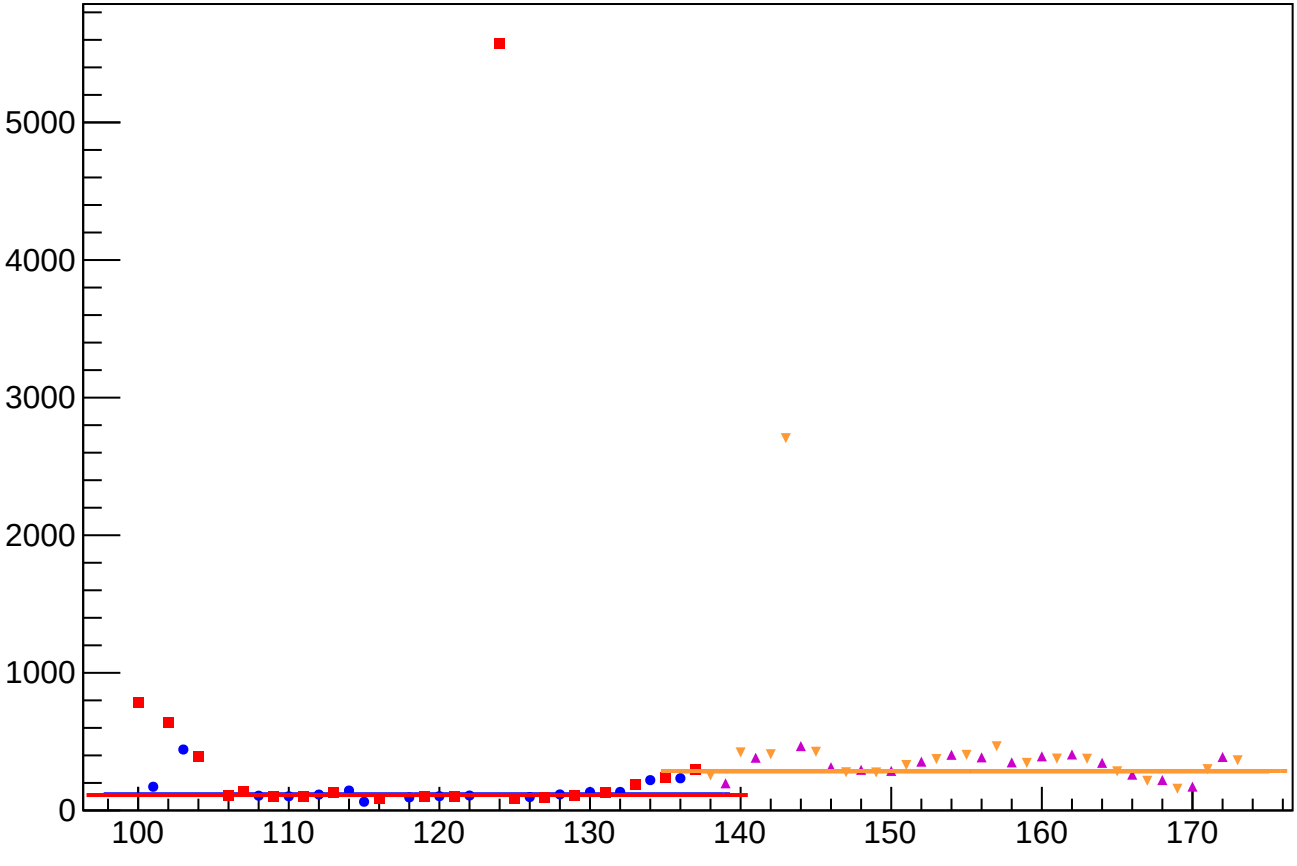
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.029+/-0.041 χ^2/NDF:34.5/32

Out: -0.010+/-0.040 χ^2/NDF:49.5/37

All: 0.009+/-0.029 χ^2/NDF: 84.4/70

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: 286.752+/-0.057 χ^2/NDF:3777691.4/18

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 284.783+/-0.057 χ^2/NDF:2303725.0/16

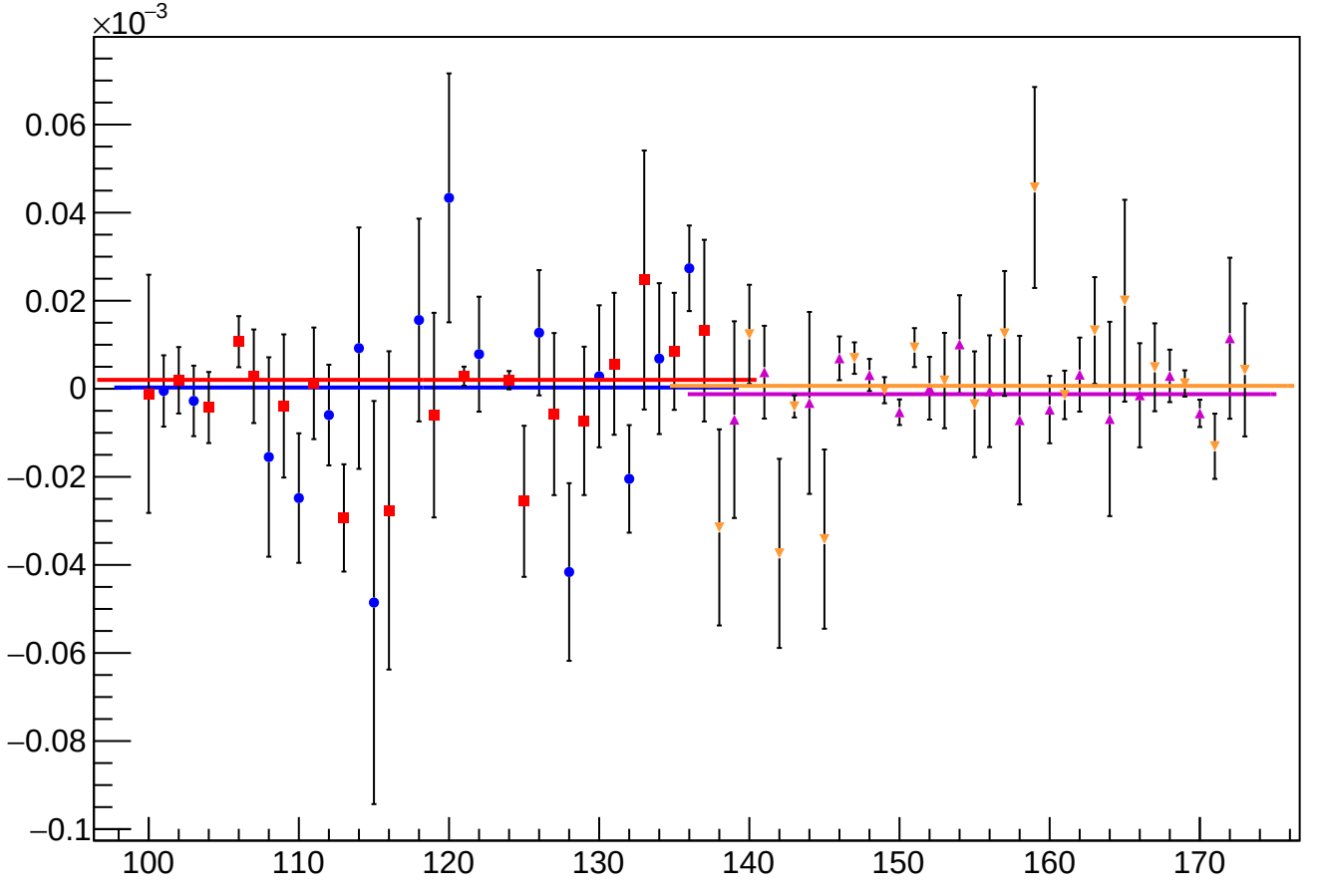
Left: 285.769+/-0.040 χ^2/NDF: 6082015.0/35

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 161.299+/-0.029 χ^2/NDF:10387139.4/32

Out: 156.377+/-0.029 χ^2/NDF:13007837.8/37

All: 158.796+/-0.020 χ^2/NDF: 23409516.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:11.0/16

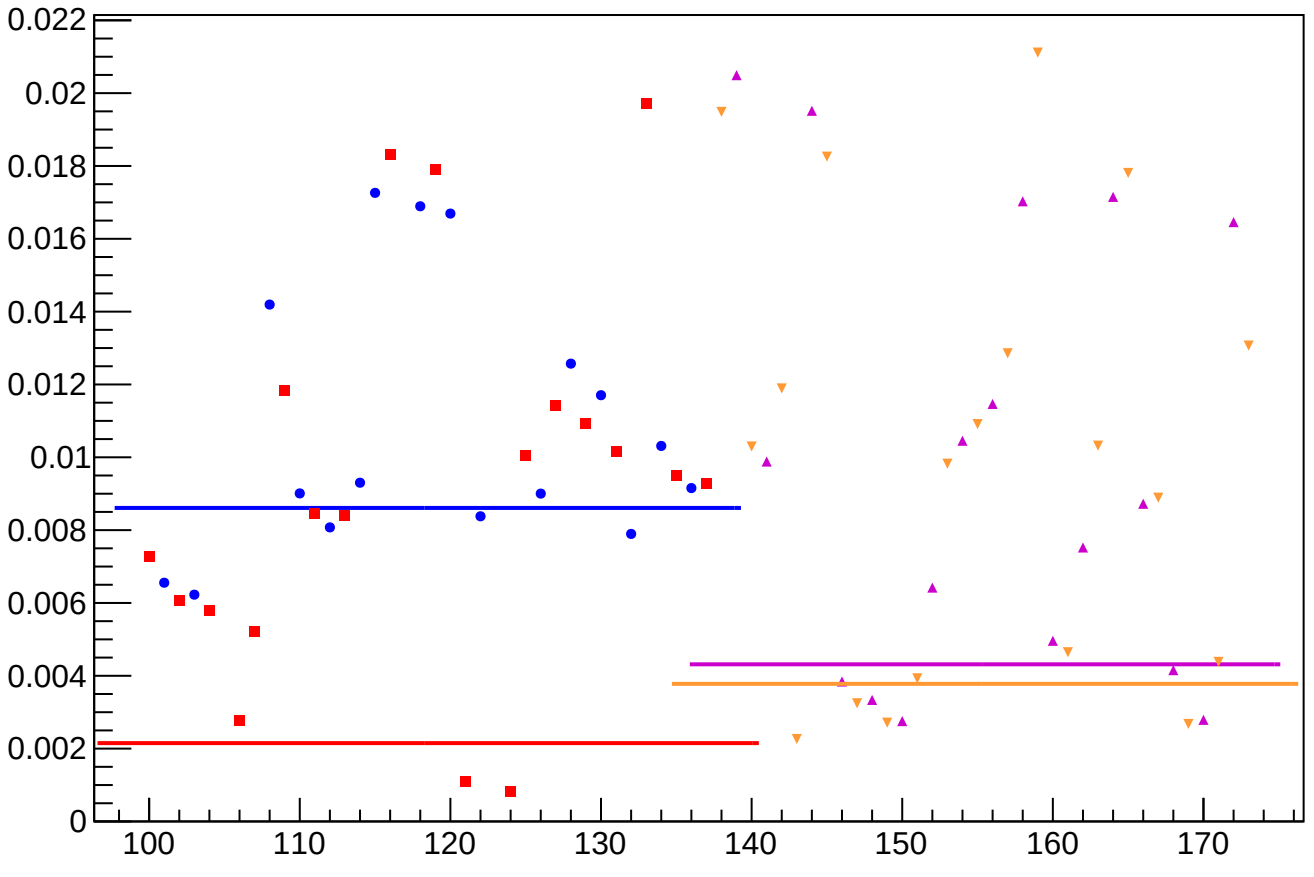
Left: -0.000+/-0.000 χ^2/NDF: 42.1/35

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:35.3/32

Out: 0.000+/-0.000 χ^2/NDF:45.5/37

All: 0.000+/-0.000 χ^2/NDF: 82.7/70



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:10243622.6/18

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.004+/-0.000 χ^2/NDF:8350452.3/16

Left: 0.004+/-0.000 χ^2/NDF: 18746201.2/35

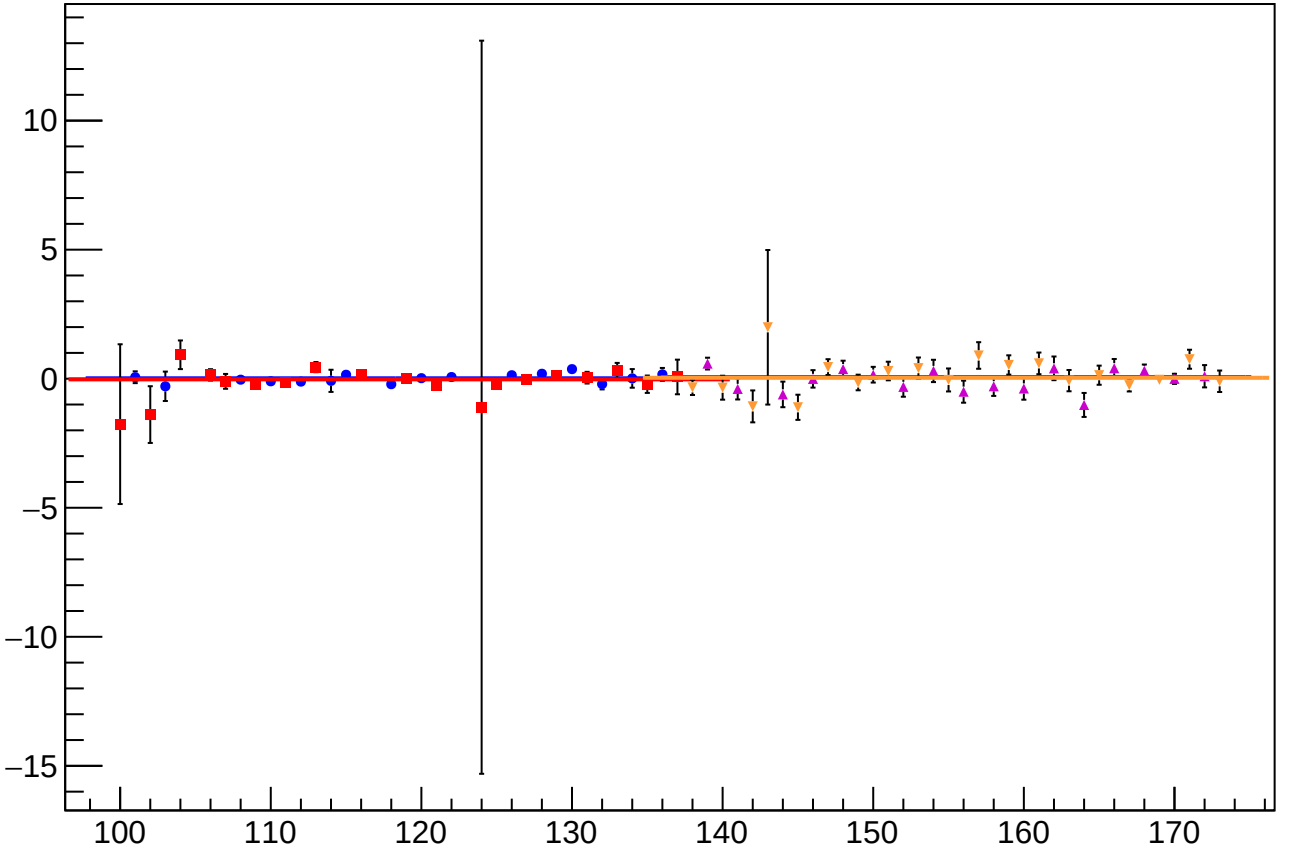
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:12183692.1/32

Out: 0.003+/-0.000 χ^2/NDF:20893400.5/37

All: 0.004+/-0.000 χ^2/NDF: 36054344.9/70

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: 0.036+/-0.080 χ^2/NDF:26.9/18

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.066+/-0.081 χ^2/NDF:22.4/16

Left: 0.051+/-0.057 χ^2/NDF: 49.4/35

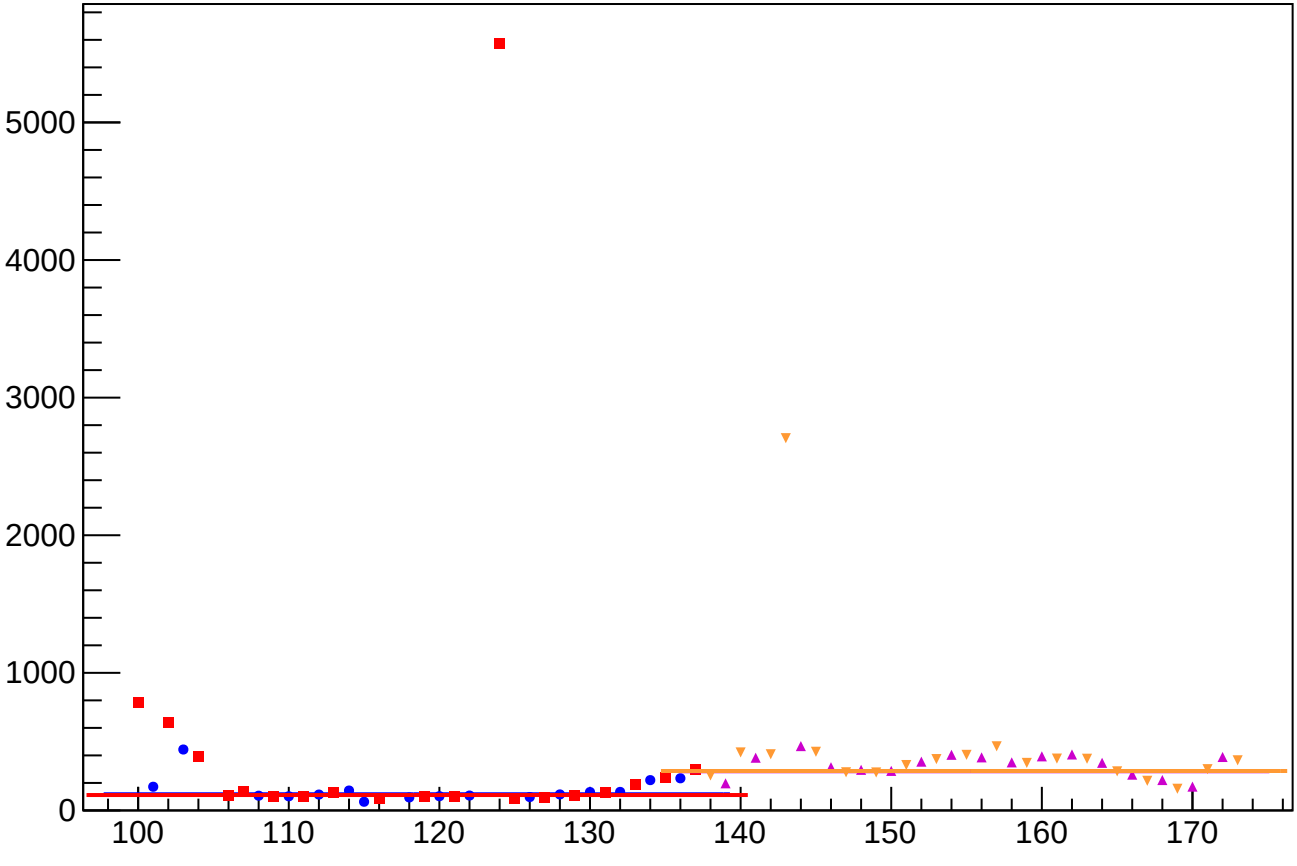
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.029+/-0.041 χ^2/NDF:34.5/32

Out: -0.010+/-0.040 χ^2/NDF:49.5/37

All: 0.009+/-0.029 χ^2/NDF: 84.4/70

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: 286.754+/-0.057 χ^2/NDF:3777762.2/18

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 284.786+/-0.057 χ^2/NDF:2303718.3/16

Left: 285.772+/-0.040 χ^2/NDF: 6082078.2/35

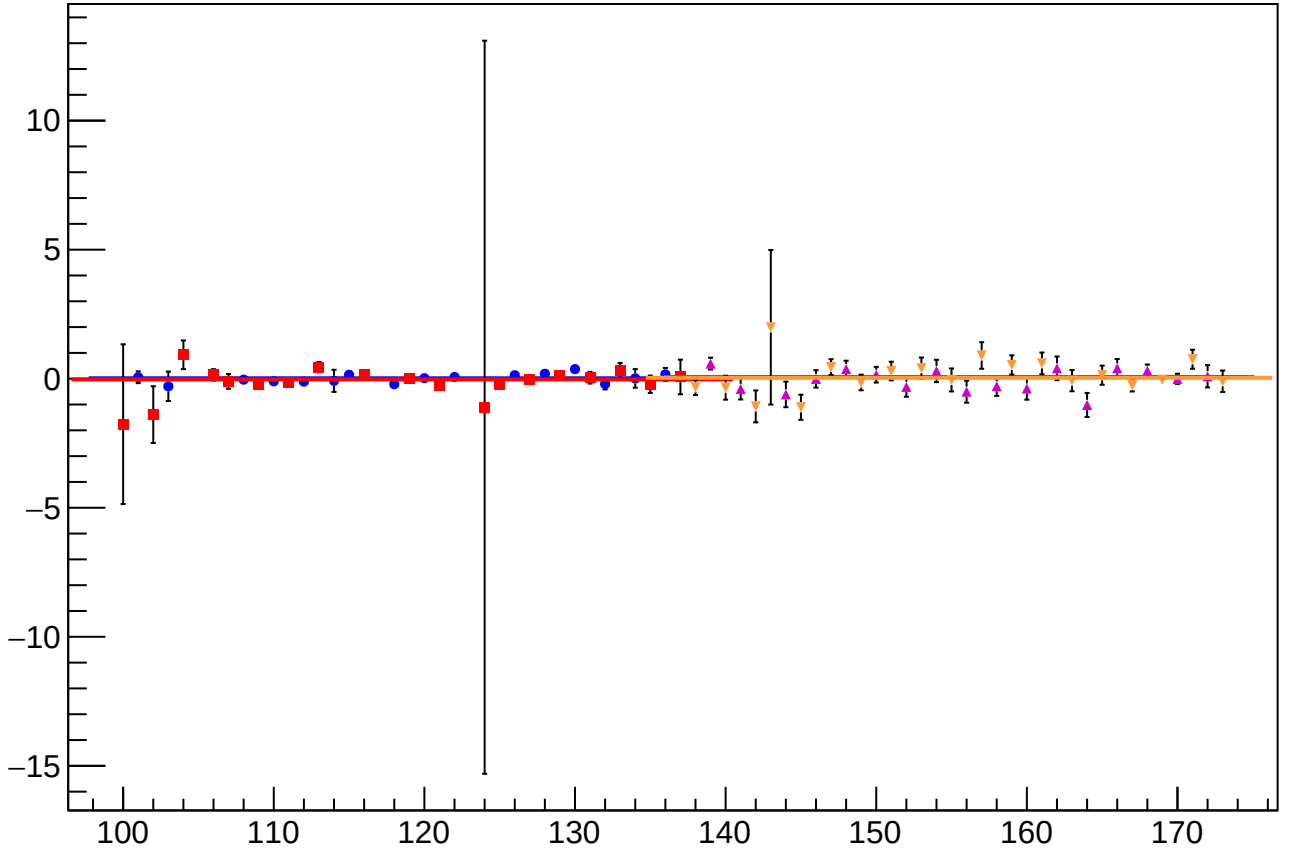
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 161.299+/-0.029 χ^2/NDF:10387235.0/32

Out: 156.379+/-0.029 χ^2/NDF:13007739.7/37

All: 158.797+/-0.020 χ^2/NDF: 23409503.5/70

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: 0.036+/-0.080 χ^2/NDF:26.9/18

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.066+/-0.081 χ^2/NDF:22.4/16

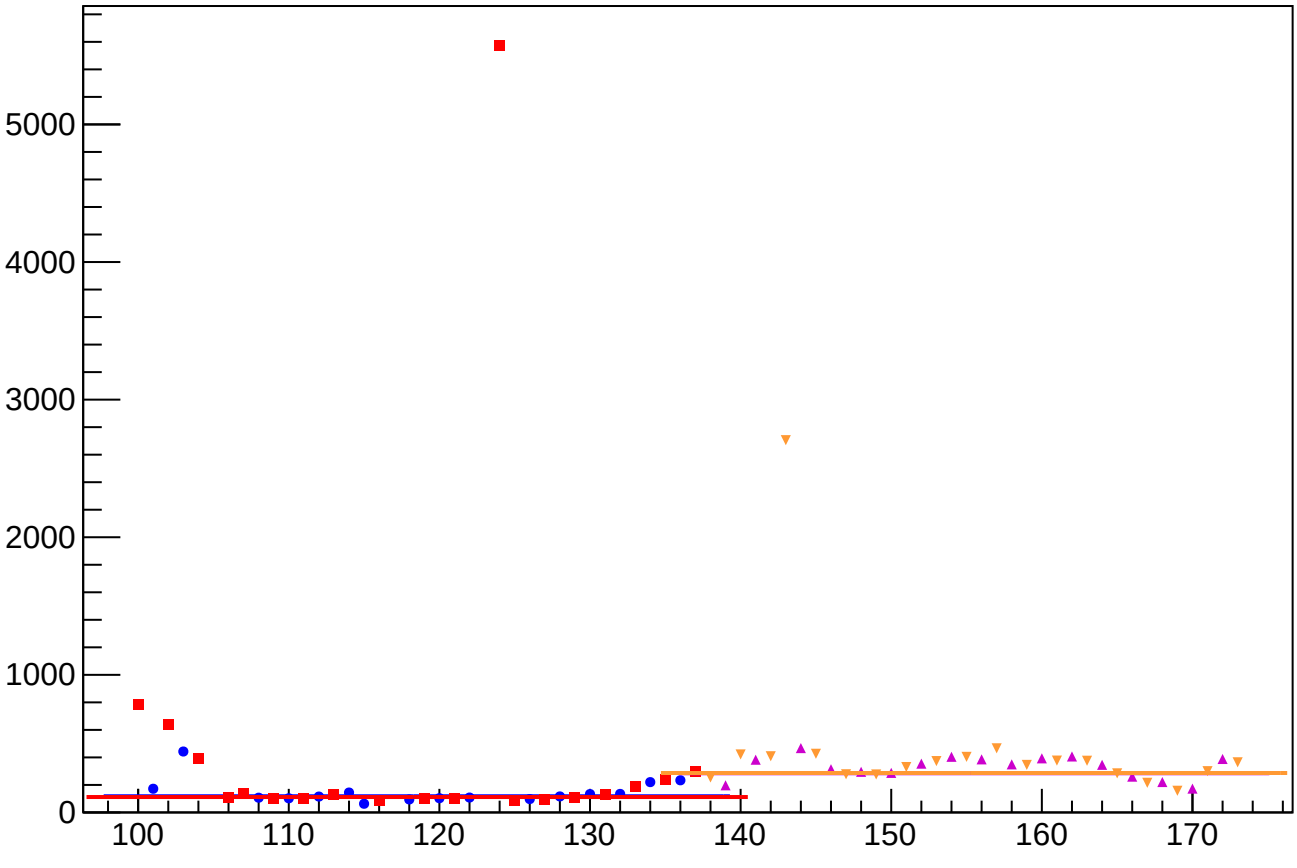
Left: 0.051+/-0.057 χ^2/NDF: 49.4/35

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.029+/-0.041 χ^2/NDF:34.5/32

Out: -0.010+/-0.040 χ^2/NDF:49.5/37

All: 0.009+/-0.029 χ^2/NDF: 84.4/70



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 286.754+/-0.057 χ^2/NDF:3777762.2/18

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 284.786+/-0.057 χ^2/NDF:2303718.3/16

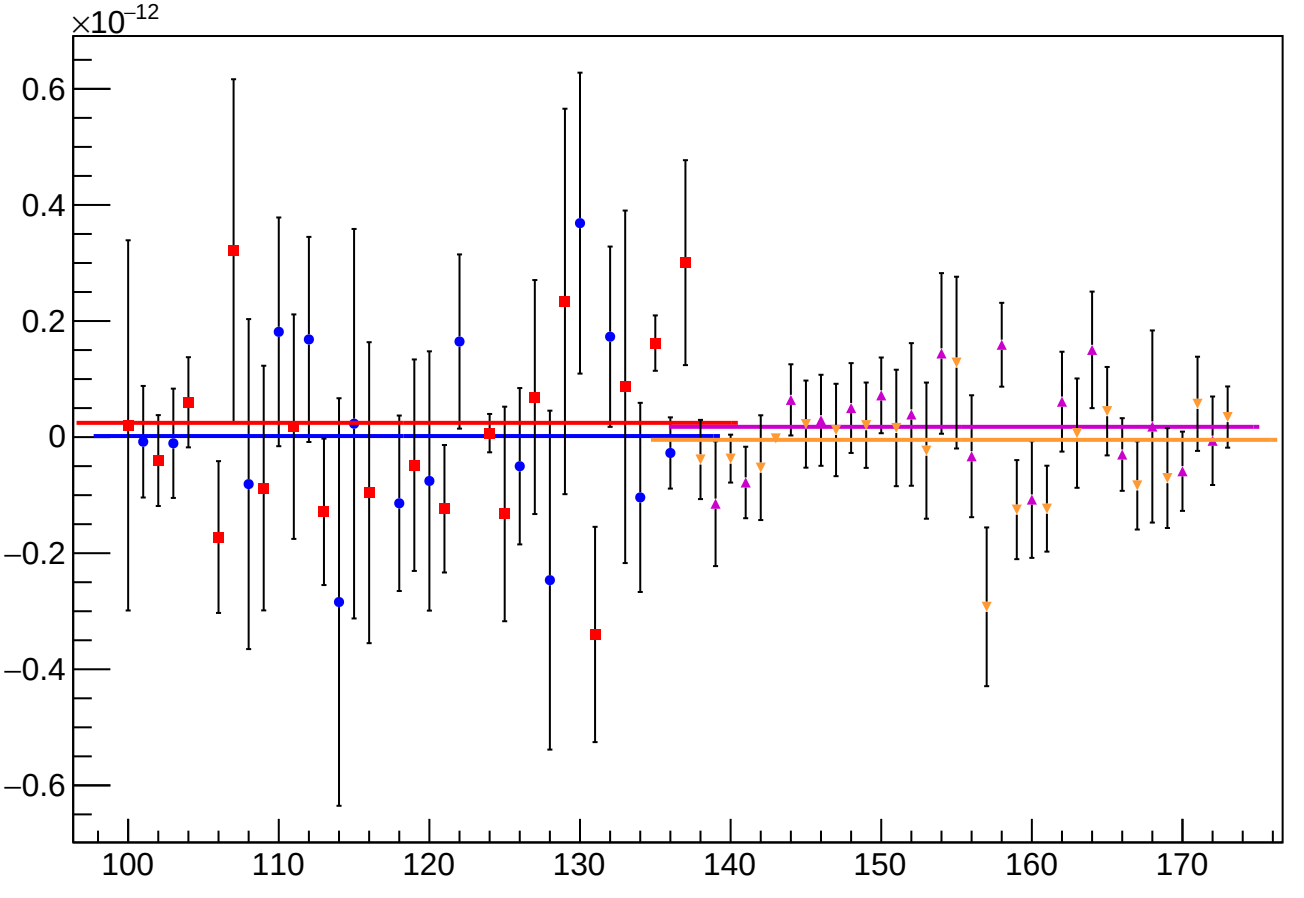
Left: 285.772+/-0.040 χ^2/NDF: 6082078.2/35

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 161.299+/-0.029 χ^2/NDF:10387235.0/32

Out: 156.379+/-0.029 χ^2/NDF:13007739.7/37

All: 158.797+/-0.020 χ^2/NDF: 23409503.5/70



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: 0.000+/-0.000 χ^2/NDF:15.8/16

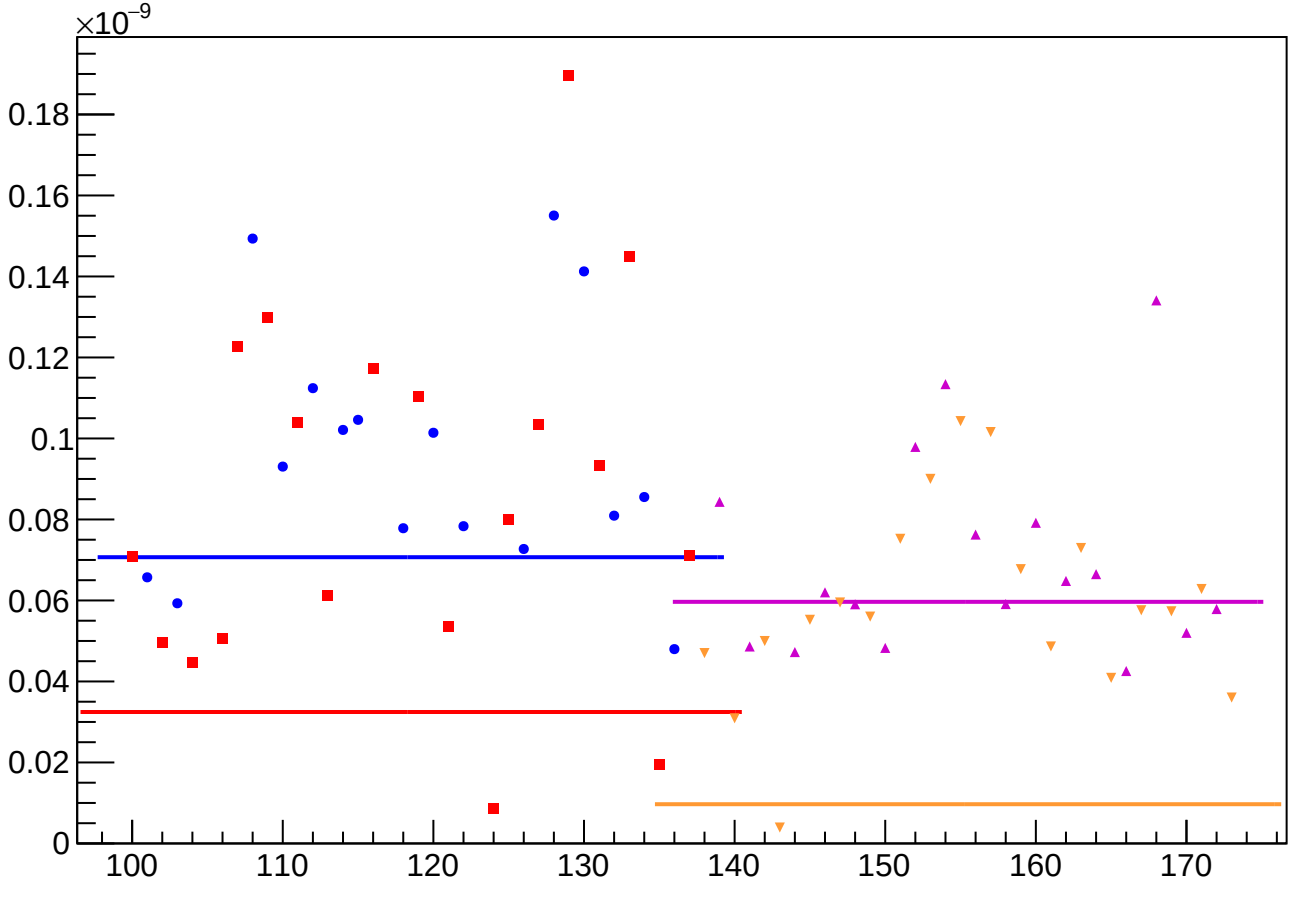
Left: -0.000+/-0.000 χ^2/NDF: 31.7/35

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:25.1/32

Out: -0.000+/-0.000 χ^2/NDF:40.6/37

All: -0.000+/-0.000 χ^2/NDF: 66.5/70



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14346148.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1531757.0/16

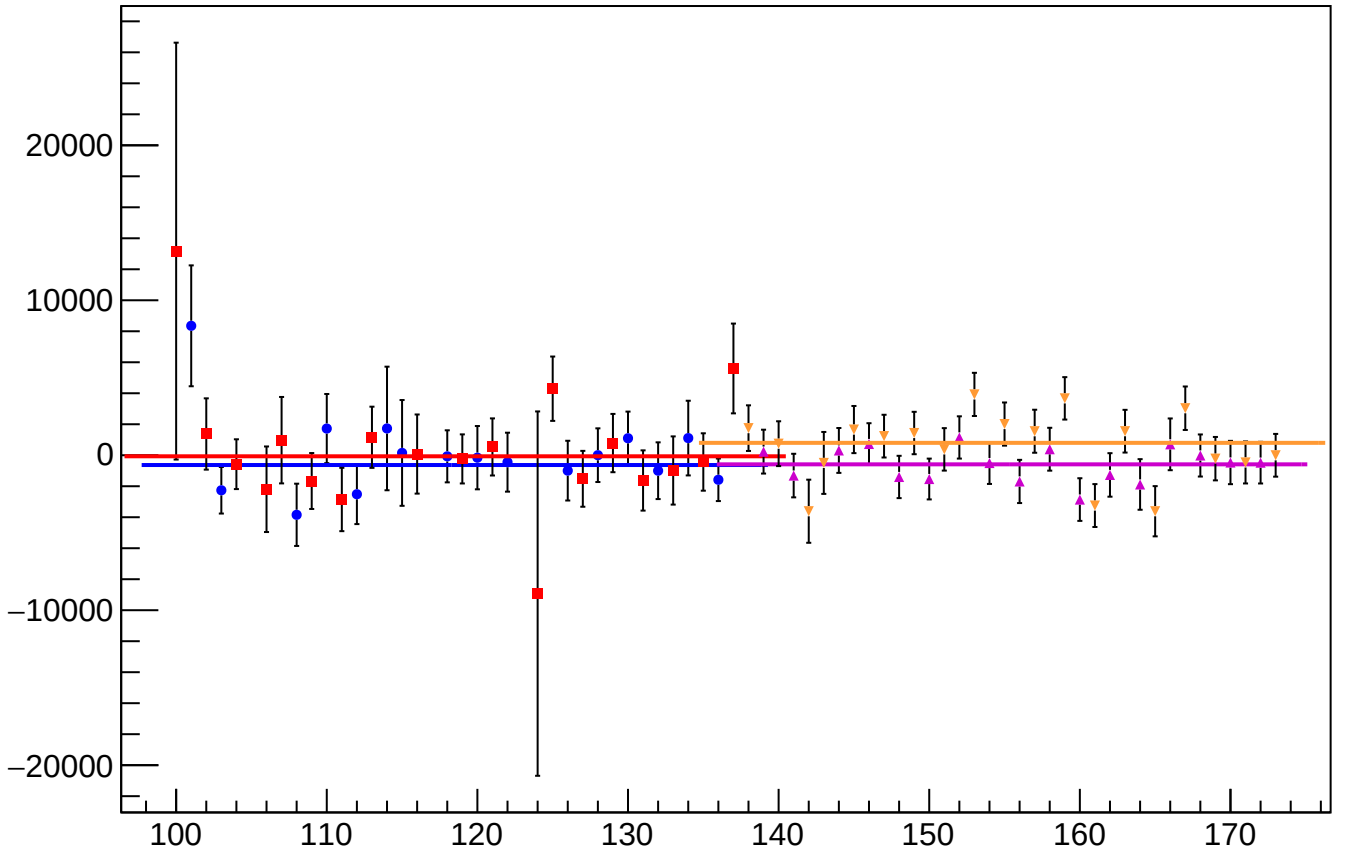
Left: 0.000+/-0.000 χ^2/NDF: 27653191.5/35

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:2709990.0/32

Out: 0.000+/-0.000 χ^2/NDF:20843749.0/37

All: 0.000+/-0.000 χ^2/NDF: 39444521.8/70



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 800.105+/-332.268 χ^2/NDF:37.3/18

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -587.016+/-339.943 χ^2/NDF:10.0/16

Left: 122.381+/-237.616 χ^2/NDF: 55.7/35

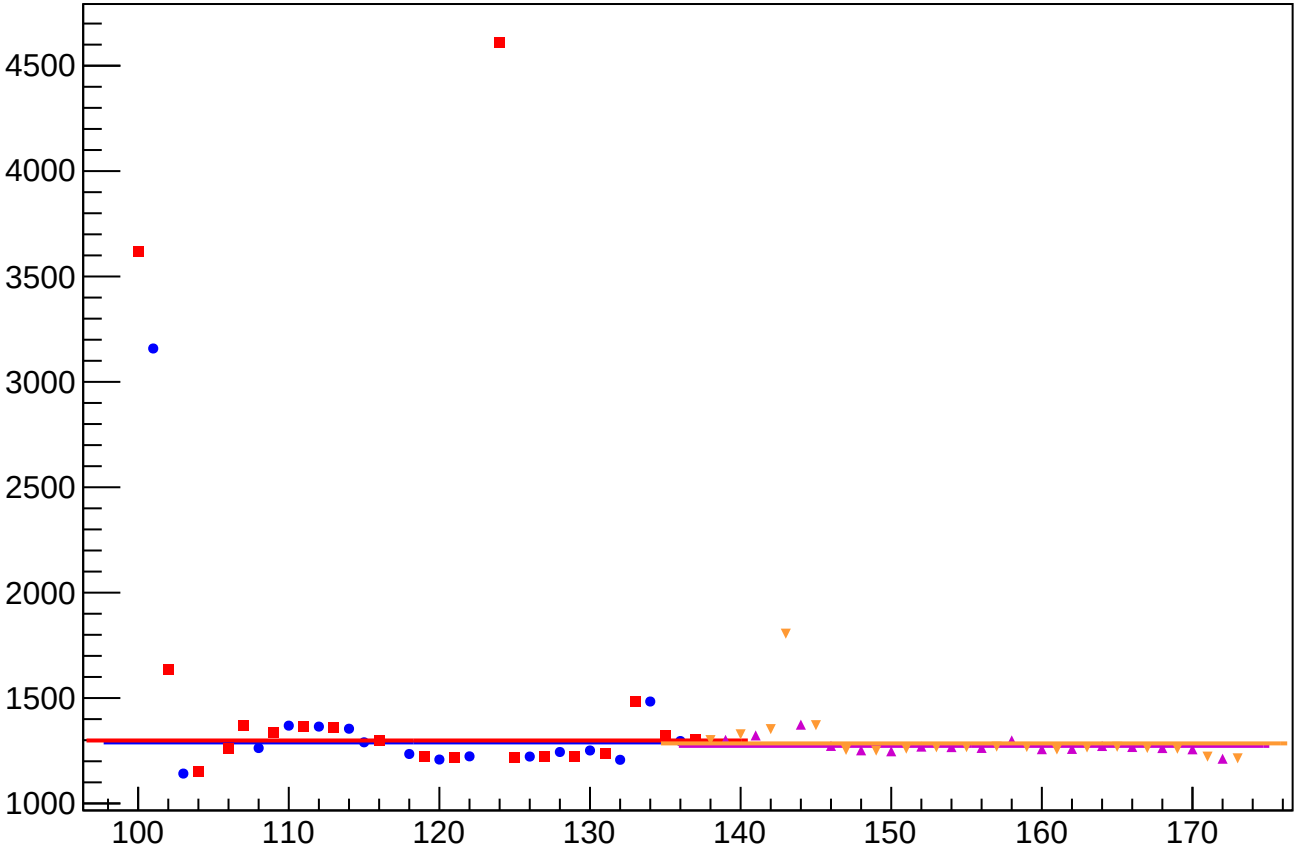
Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -601.373+/-279.060 χ^2/NDF:23.9/32

Out: 525.062+/-274.606 χ^2/NDF:55.3/37

All: -29.095+/-195.732 χ^2/NDF: 87.5/70

reg_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1284.835+/-0.235 χ^2/NDF:162767.3/18

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1273.082+/-0.240 χ^2/NDF:20041.8/16

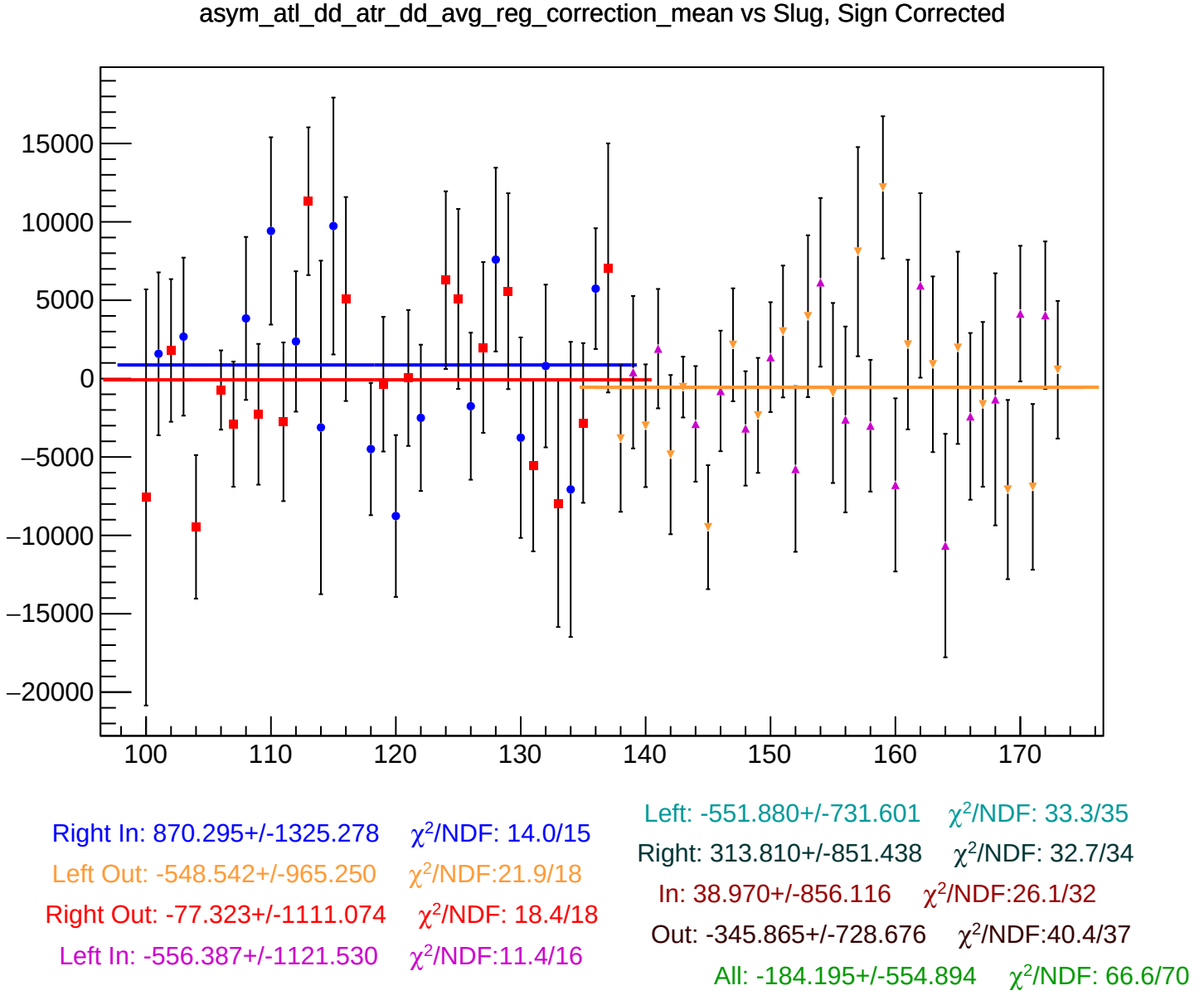
Left: 1279.093+/-0.168 χ^2/NDF: 184031.6/35

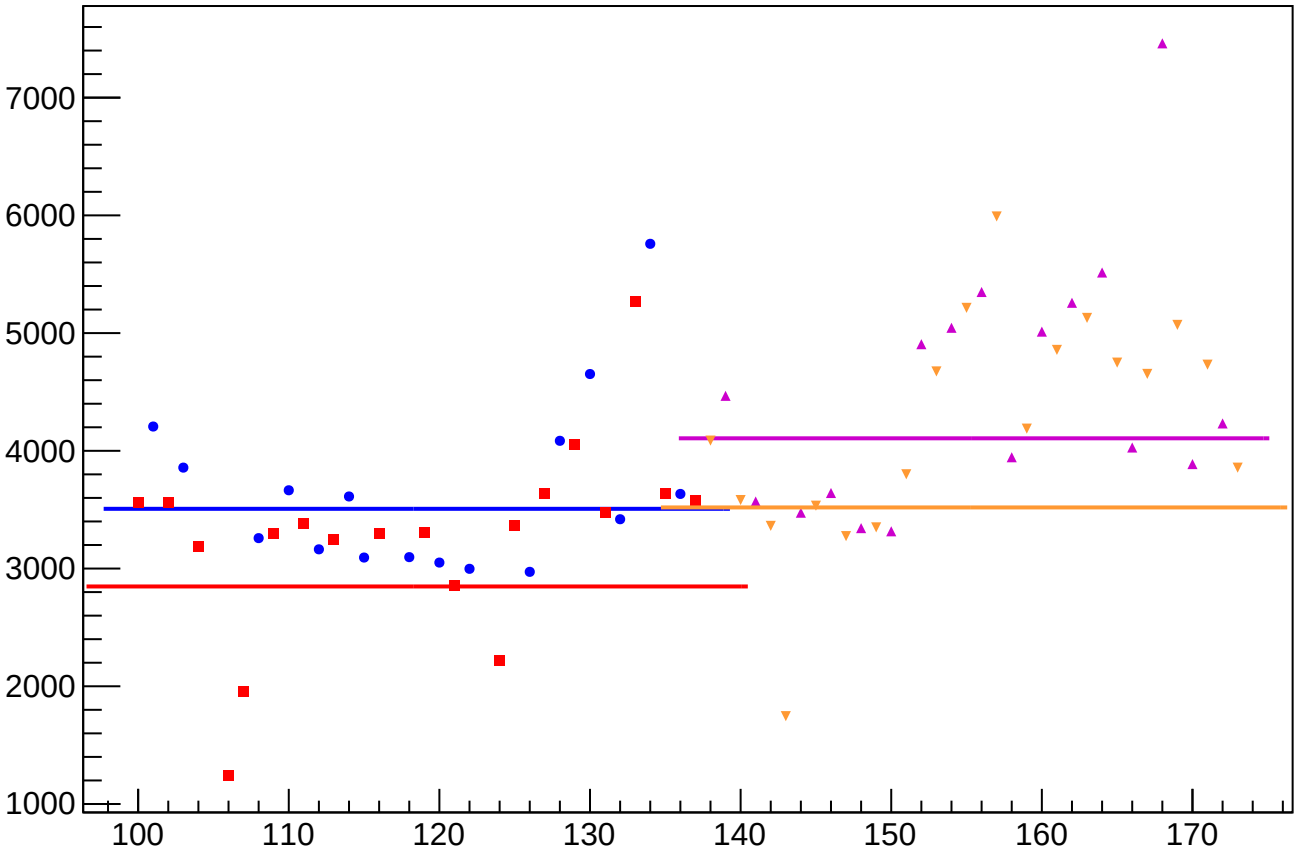
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1278.425+/-0.197 χ^2/NDF:536231.9/32

Out: 1289.231+/-0.194 χ^2/NDF:483242.9/37

All: 1283.920+/-0.138 χ^2/NDF: 1020999.6/70


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
170
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -548.542+/-965.250 χ²/NDF:21.9/18
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -556.387+/-1121.530 χ²/NDF:11.4/16
Left: -551.880+/-731.601 χ²/NDF: 33.3/35
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 38.970+/-856.116 χ²/NDF:26.1/32
Out: -345.865+/-728.676 χ²/NDF:40.4/37
All: -184.195+/-554.894 χ²/NDF: 66.6/70



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3519.157+/-0.683 χ^2/NDF:3043118.6/18

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4106.259+/-0.793 χ^2/NDF:1088548.5/16

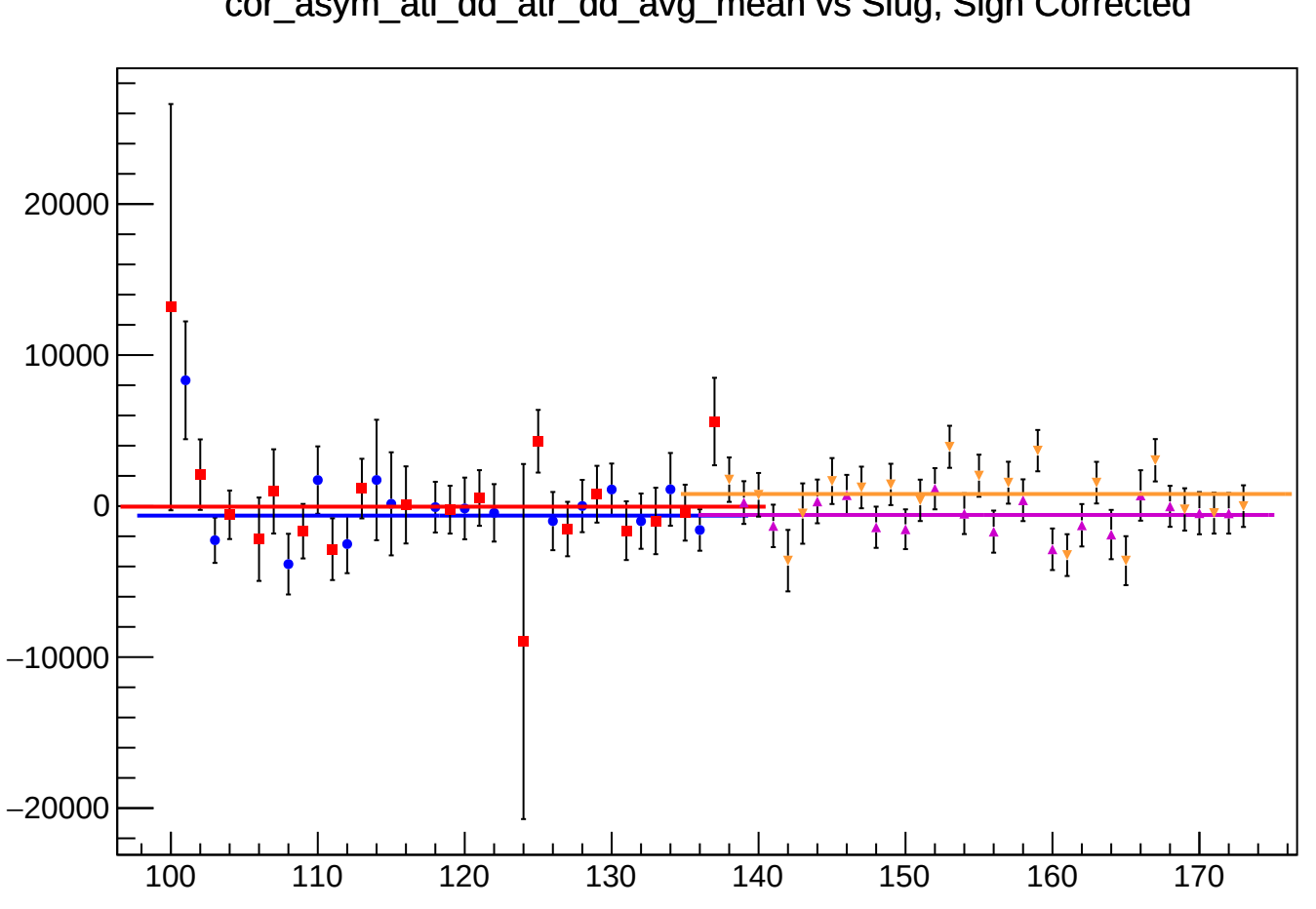
Left: 3768.985+/-0.517 χ^2/NDF: 4446518.2/35

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3856.353+/-0.605 χ^2/NDF:1680492.7/32

Out: 3230.412+/-0.515 χ^2/NDF:4958592.1/37

All: 3493.371+/-0.392 χ^2/NDF: 7259072.3/70



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 800.137+/-332.268 χ^2/NDF:37.3/18

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -586.987+/-339.943 χ^2/NDF:10.0/16

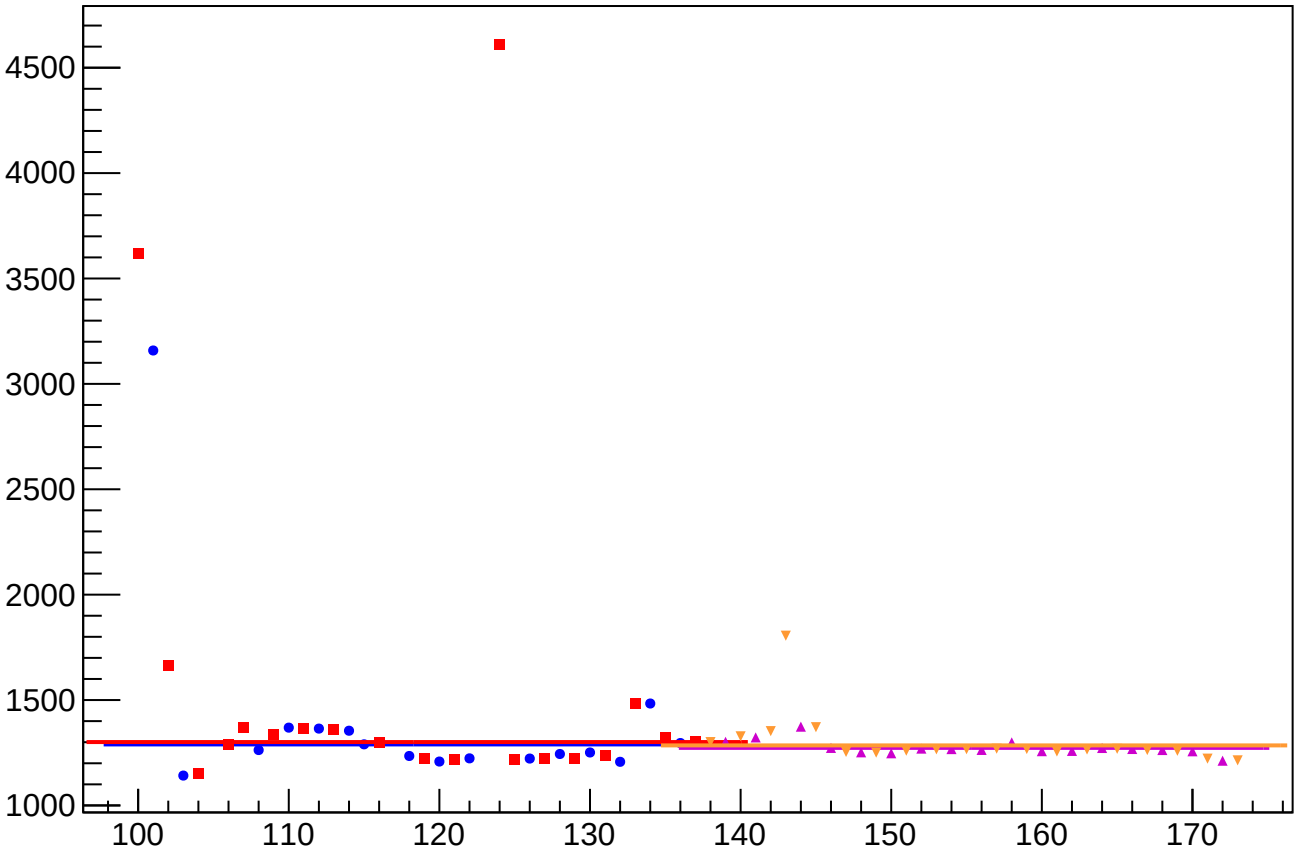
Left: 122.412+/-237.616 χ^2/NDF: 55.7/35

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -601.479+/-279.060 χ^2/NDF:23.8/32

Out: 534.522+/-274.664 χ^2/NDF:55.6/37

All: -24.460+/-195.753 χ^2/NDF: 87.9/70



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1284.835+/-0.235 χ^2/NDF:162767.3/18

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1273.082+/-0.240 χ^2/NDF:20041.8/16

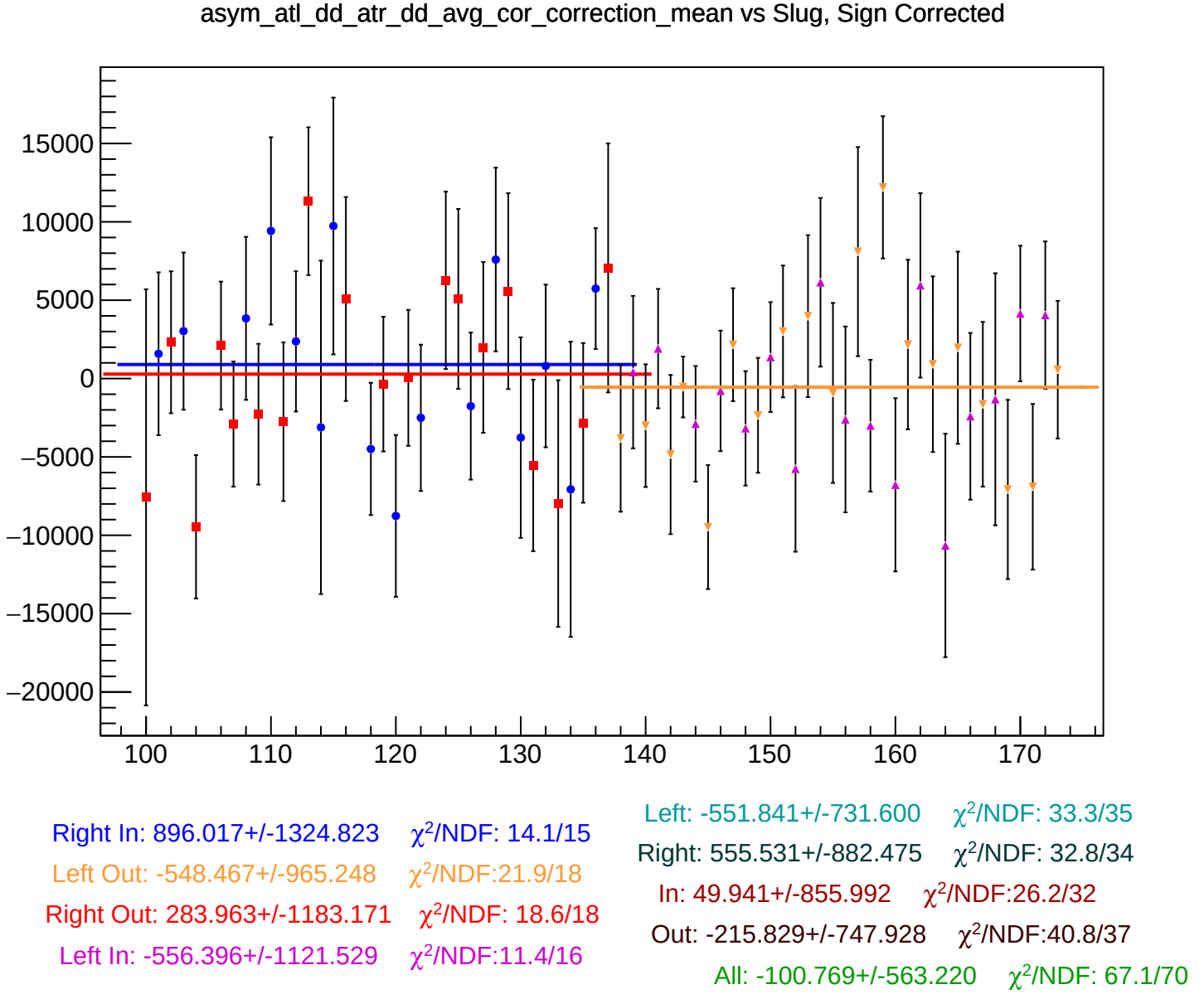
Left: 1279.093+/-0.168 χ^2/NDF: 184031.6/35

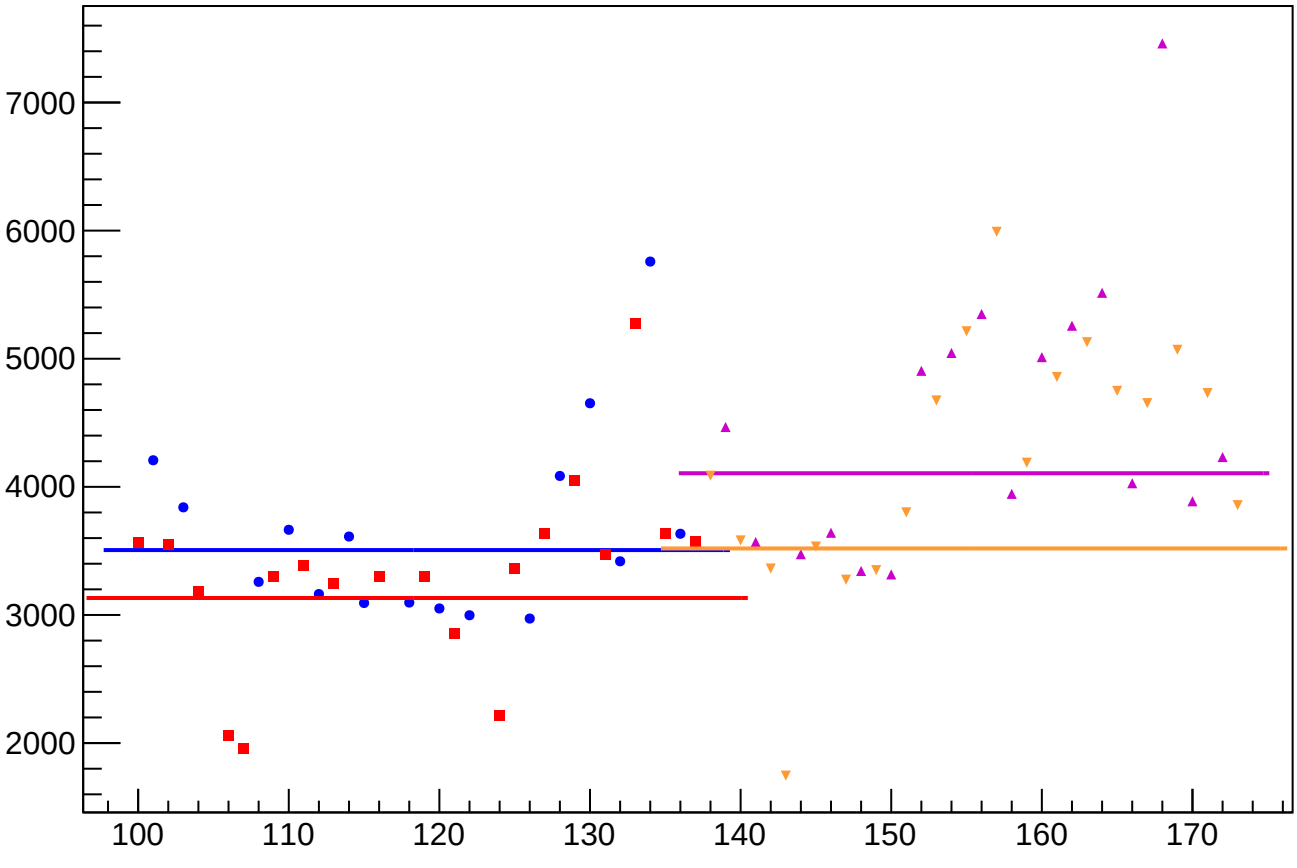
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1278.425+/-0.197 χ^2/NDF:536233.3/32

Out: 1289.867+/-0.194 χ^2/NDF:490119.6/37

All: 1284.240+/-0.138 χ^2/NDF: 1028061.6/70


asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -548.467+/-965.248 χ²/NDF:21.9/18
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -556.396+/-1121.529 χ²/NDF:11.4/16
Left: -551.841+/-731.600 χ²/NDF: 33.3/35
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 49.941+/-855.992 χ²/NDF:26.2/32
Out: -215.829+/-747.928 χ²/NDF:40.8/37
All: -100.769+/-563.220 χ²/NDF: 67.1/70



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3519.148+/-0.683 χ^2/NDF:3043150.2/18

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4106.254+/-0.793 χ^2/NDF:1088550.0/16

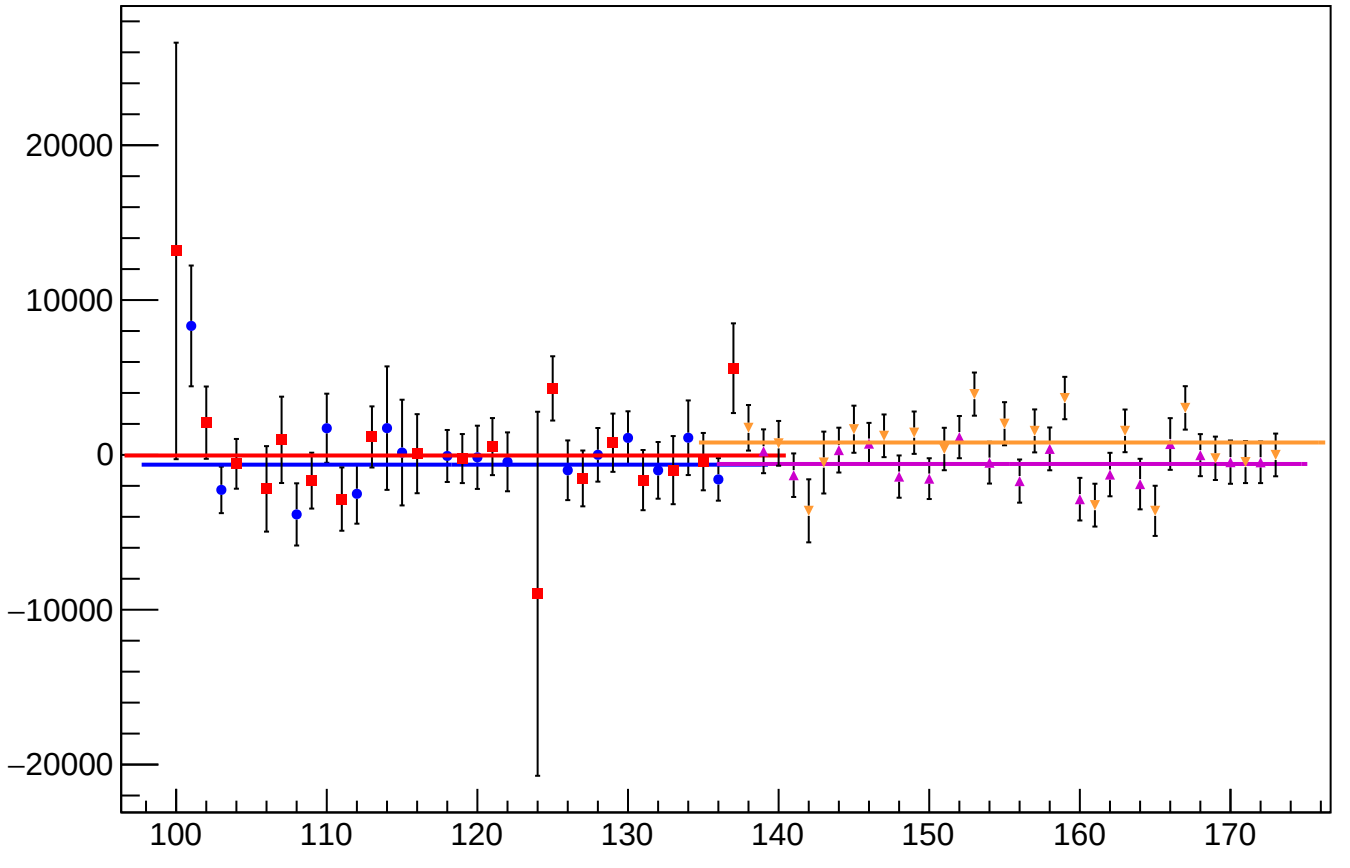
Left: 3768.978+/-0.517 χ^2/NDF: 4446556.2/35

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3855.869+/-0.605 χ^2/NDF:1680570.6/32

Out: 3364.679+/-0.529 χ^2/NDF:3820939.5/37

All: 3577.329+/-0.398 χ^2/NDF: 5874955.3/7



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 800.137+/-332.268 χ^2/NDF:37.3/18

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -586.987+/-339.943 χ^2/NDF:10.0/16

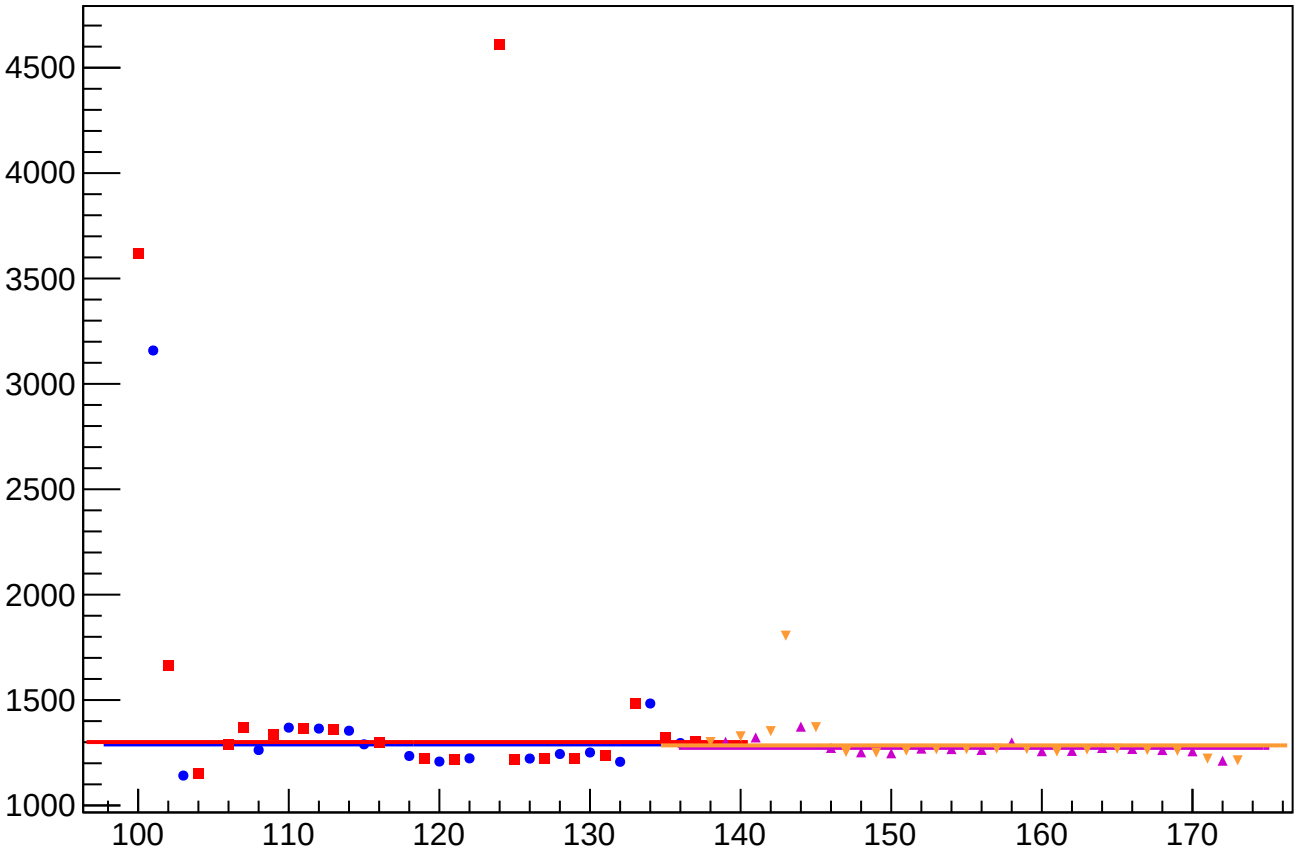
Left: 122.412+/-237.616 χ^2/NDF: 55.7/35

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -601.479+/-279.060 χ^2/NDF:23.8/32

Out: 534.522+/-274.664 χ^2/NDF:55.6/37

All: -24.460+/-195.753 χ^2/NDF: 87.9/70



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1284.835+/-0.235 χ^2/NDF:162767.3/18

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1273.082+/-0.240 χ^2/NDF:20041.8/16

Left: 1279.093+/-0.168 χ^2/NDF: 184031.6/35

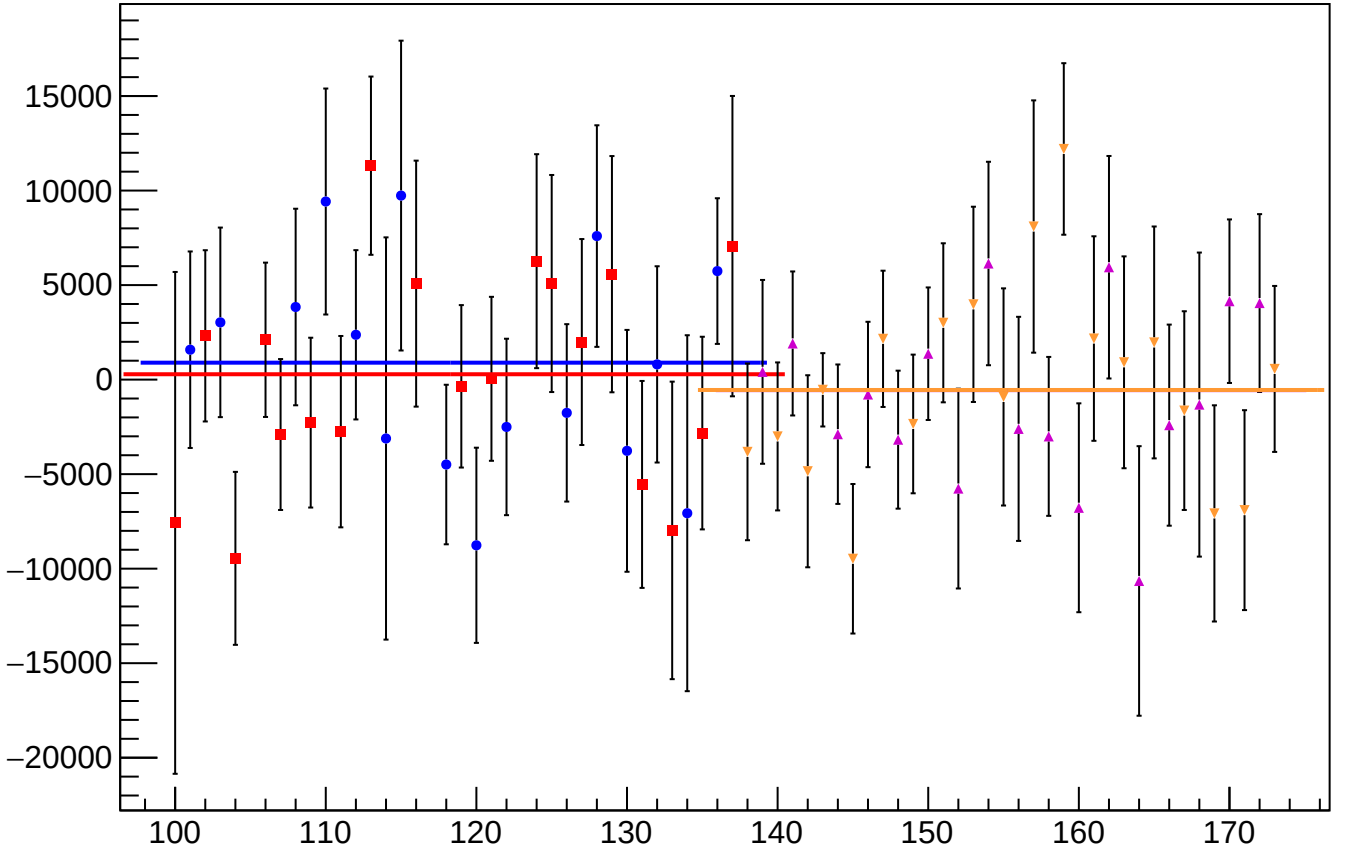
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1278.425+/-0.197 χ^2/NDF:536233.3/32

Out: 1289.867+/-0.194 χ^2/NDF:490119.6/37

All: 1284.240+/-0.138 χ^2/NDF: 1028061.6/70

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -548.467+/-965.248 χ^2/NDF:21.9/18

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -556.396+/-1121.529 χ^2/NDF:11.4/16

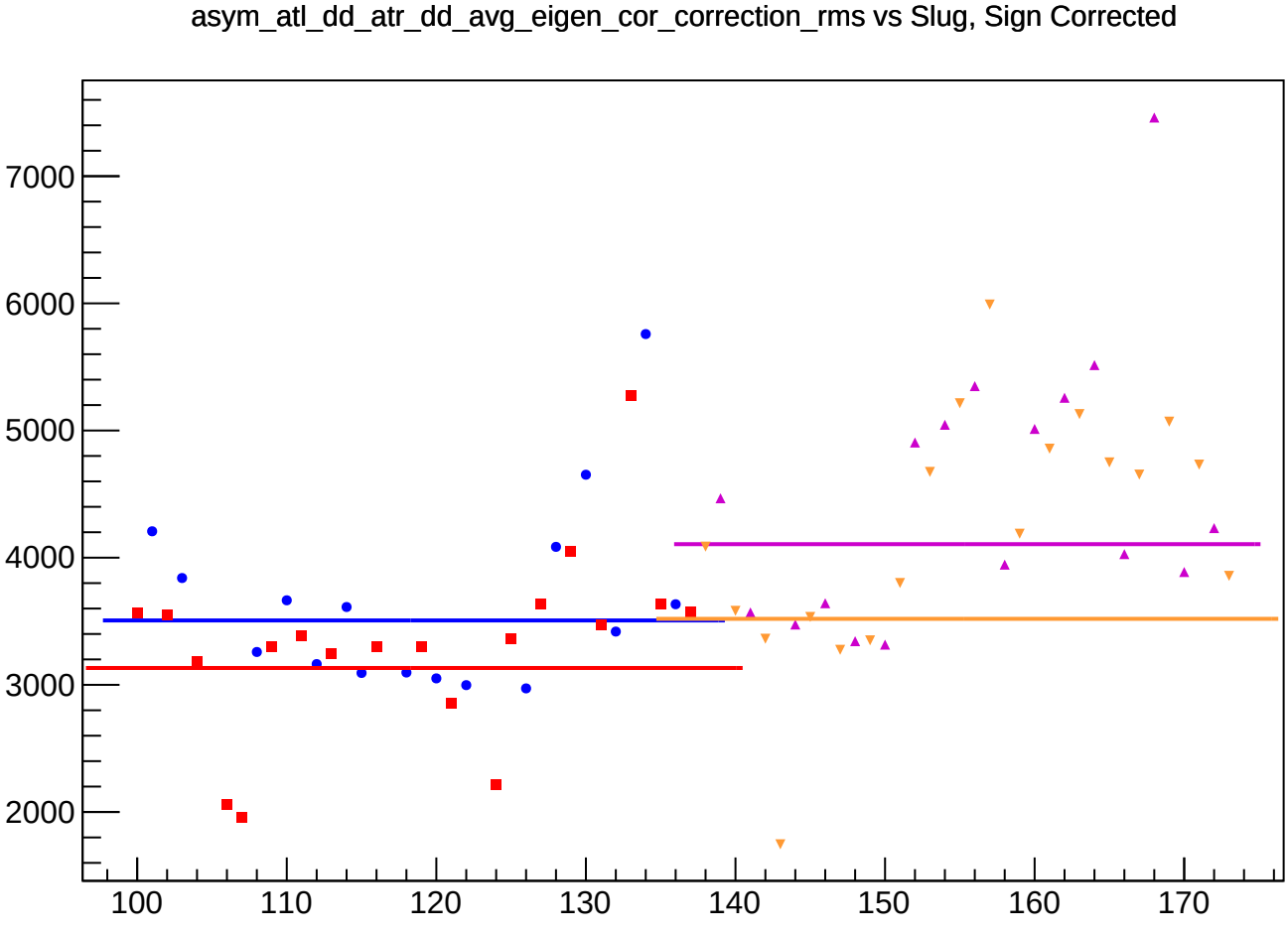
Left: -551.841+/-731.600 χ^2/NDF: 33.3/35

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 49.941+/-855.992 χ^2/NDF:26.2/32

Out: -215.829+/-747.928 χ^2/NDF:40.8/37

All: -100.769+/-563.220 χ^2/NDF: 67.1/70



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3519.148+/-0.683 χ^2/NDF:3043150.2/18

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4106.254+/-0.793 χ^2/NDF:1088550.0/16

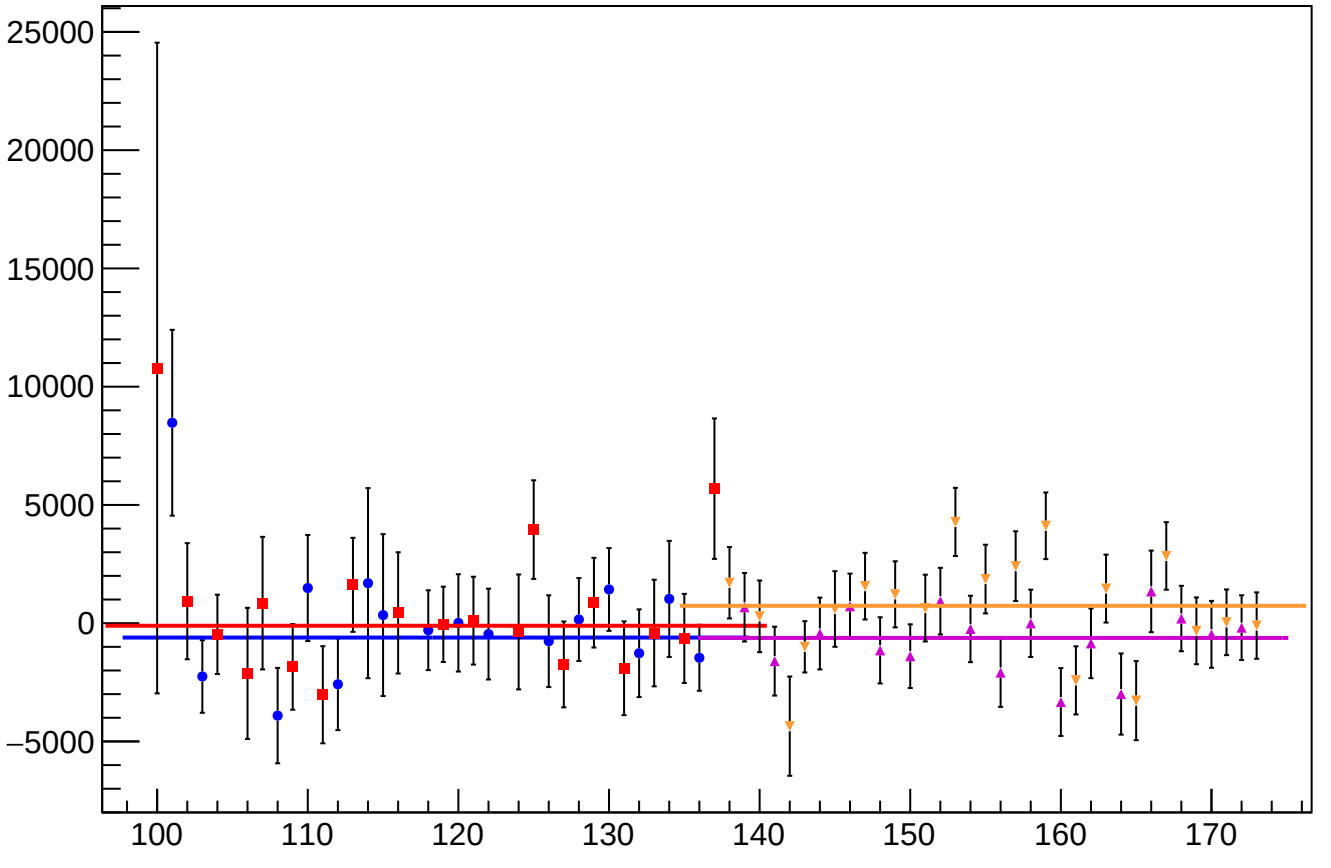
Left: 3768.978+/-0.517 χ^2/NDF: 4446556.2/35

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3855.869+/-0.605 χ^2/NDF:1680570.6/32

Out: 3364.679+/-0.529 χ^2/NDF:3820939.5/37

All: 3577.329+/-0.398 χ^2/NDF: 5874955.3/70



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 735.045+/-331.086 χ^2/NDF:37.3/18

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -623.077+/-350.788 χ^2/NDF:12.5/16

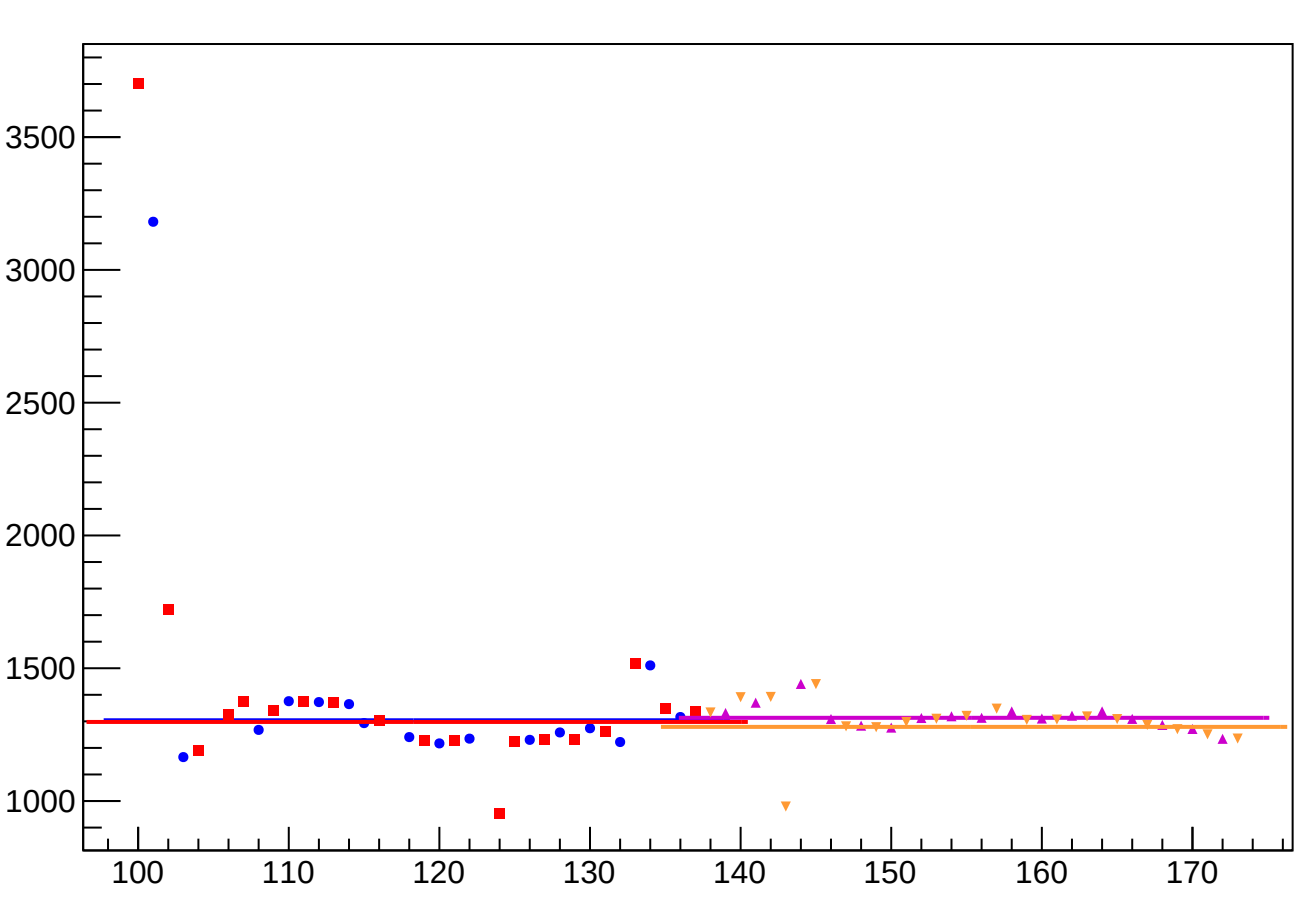
Left: 95.192+/-240.777 χ^2/NDF: 57.7/35

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -617.969+/-286.049 χ^2/NDF:26.6/32

Out: 467.281+/-273.545 χ^2/NDF:54.2/37

All: -51.108+/-197.698 χ^2/NDF: 88.3/70



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1279.191+/-0.234 χ^2/NDF:206354.8/18

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1313.353+/-0.248 χ^2/NDF:30163.2/16

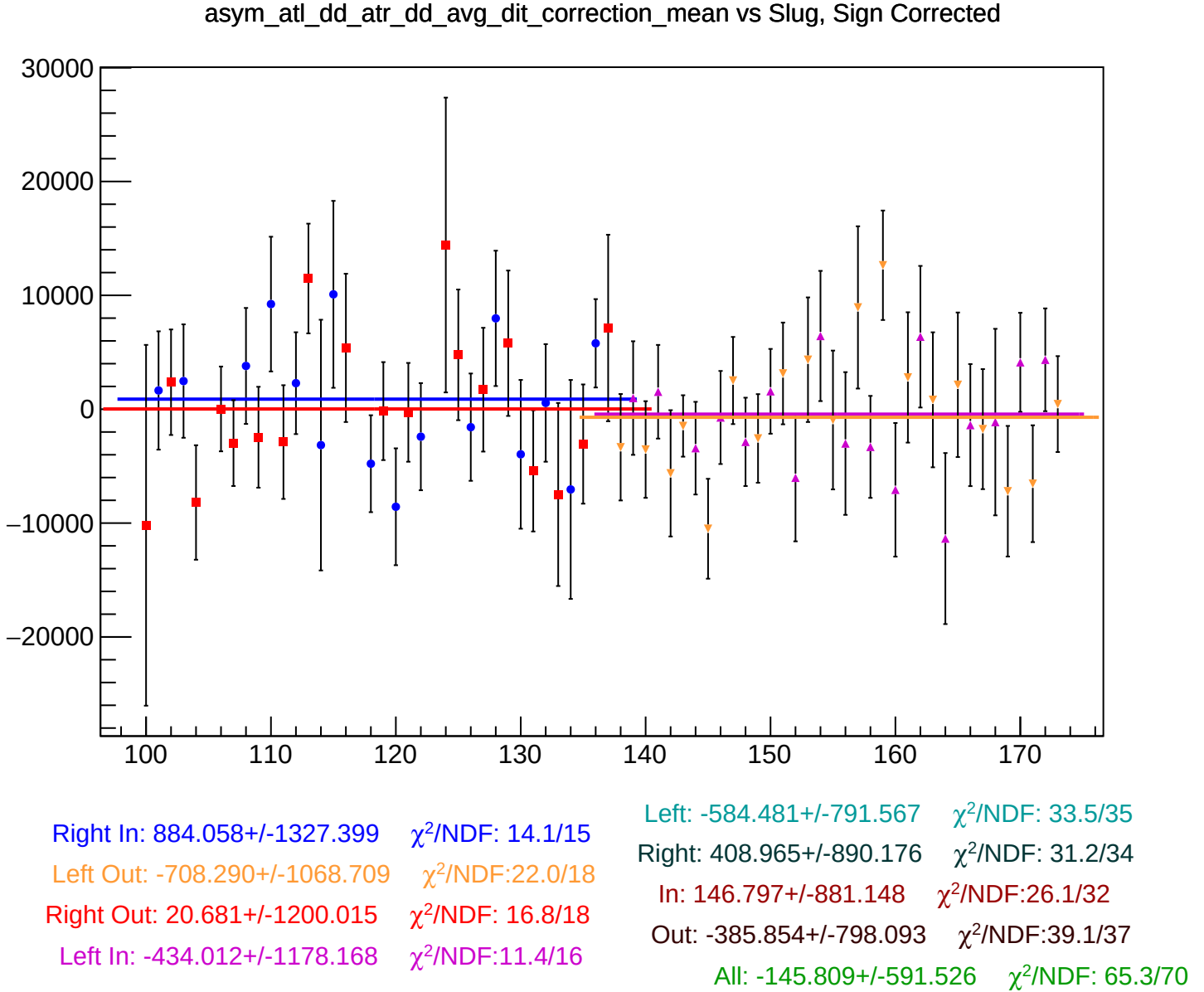
Left: 1295.286+/-0.170 χ^2/NDF: 246549.6/35

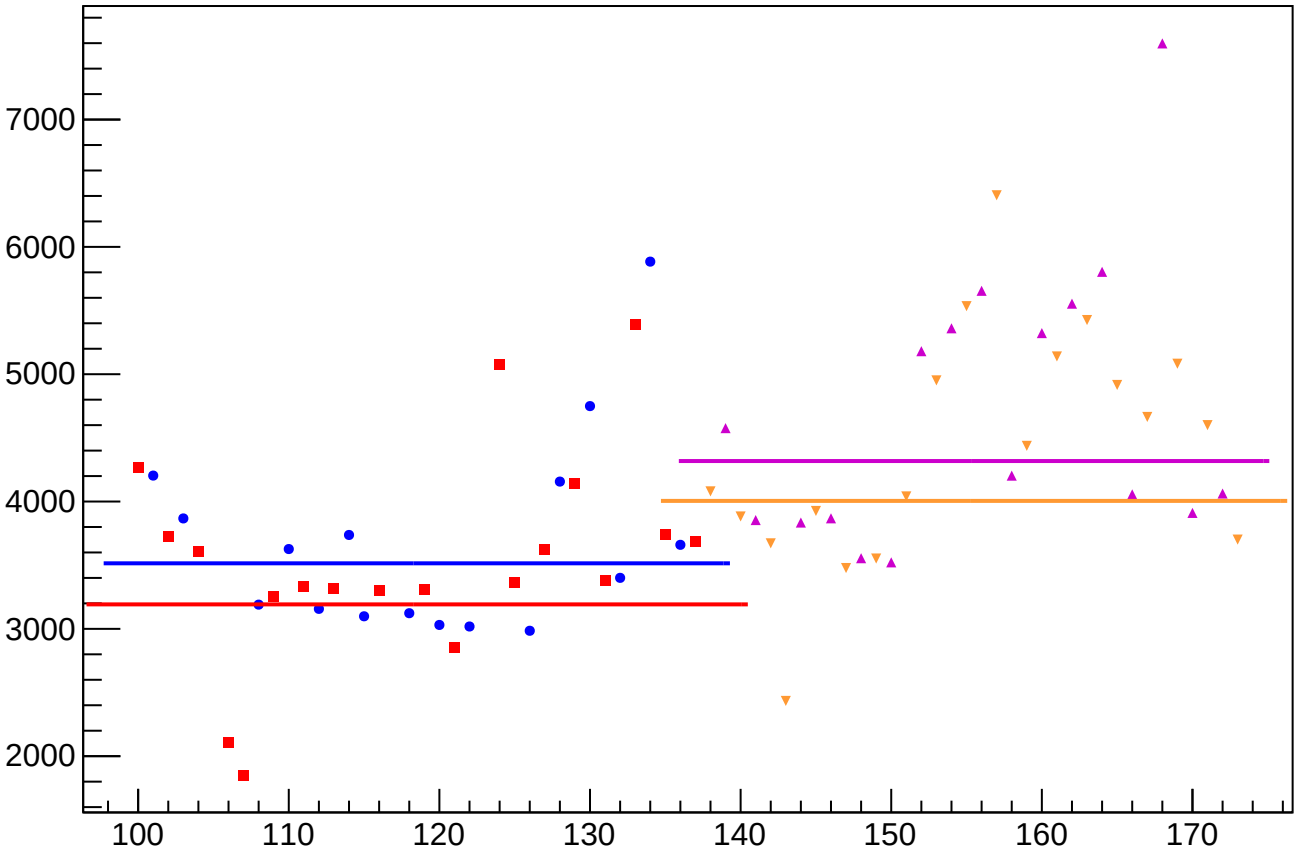
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1310.253+/-0.202 χ^2/NDF:541218.6/32

Out: 1285.102+/-0.193 χ^2/NDF:421458.2/37

All: 1297.113+/-0.140 χ^2/NDF: 970755.2/70


asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -708.290+/-1068.709 χ²/NDF:22.0/18
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -434.012+/-1178.168 χ²/NDF:11.4/16
Left: -584.481+/-791.567 χ²/NDF: 33.5/35
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: 146.797+/-881.148 χ²/NDF:26.1/32
Out: -385.854+/-798.093 χ²/NDF:39.1/37
All: -145.809+/-591.526 χ²/NDF: 65.3/70



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4005.003+/-0.756 χ^2/NDF:1556289.4/18

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4318.026+/-0.833 χ^2/NDF:1024028.2/16

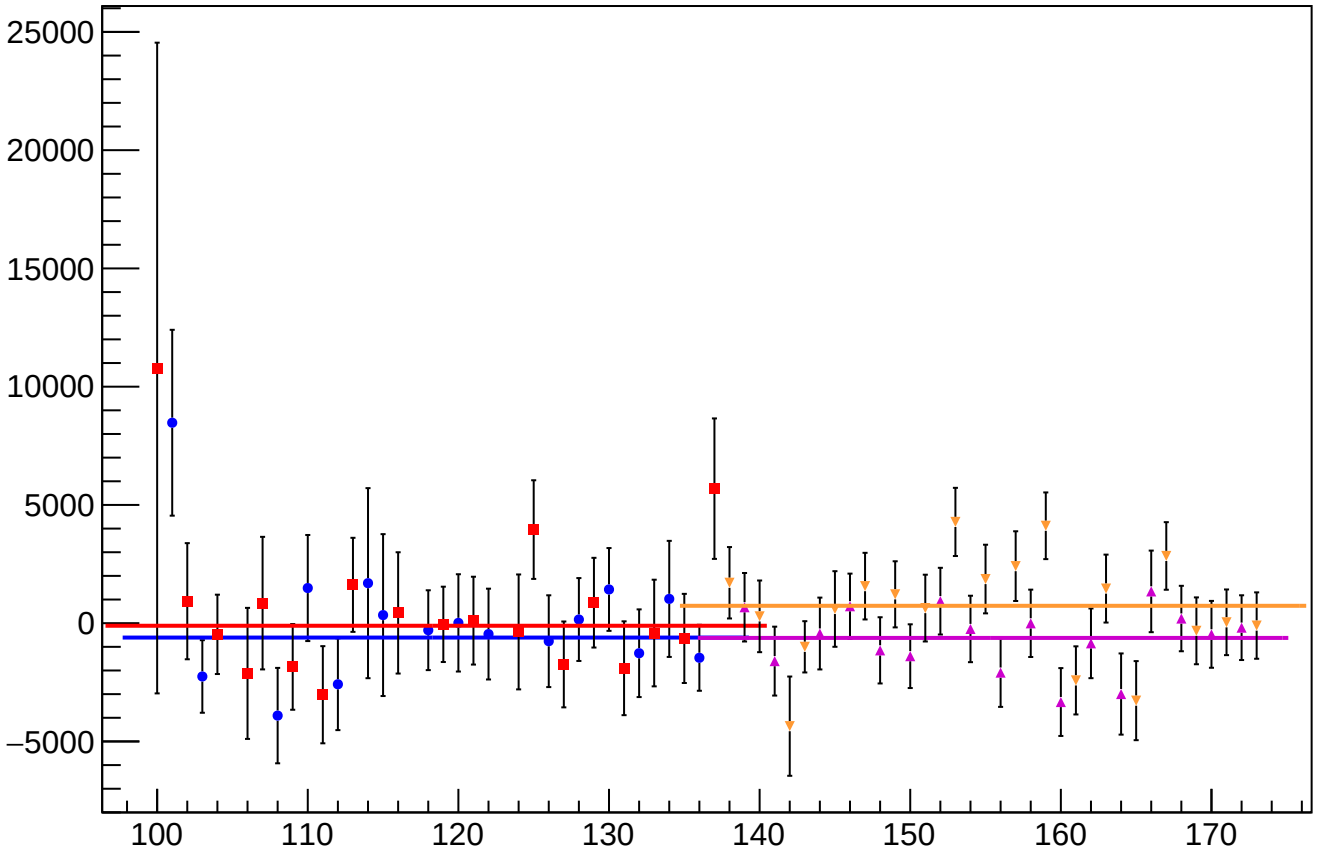
Left: 4146.301+/-0.560 χ^2/NDF: 2657768.1/35

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3964.060+/-0.623 χ^2/NDF:1808786.4/32

Out: 3645.488+/-0.564 χ^2/NDF:2840480.3/37

All: 3789.056+/-0.418 χ^2/NDF: 4792877.5/70



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 735.048+/-331.086 χ^2/NDF:37.3/18

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -623.078+/-350.788 χ^2/NDF:12.5/16

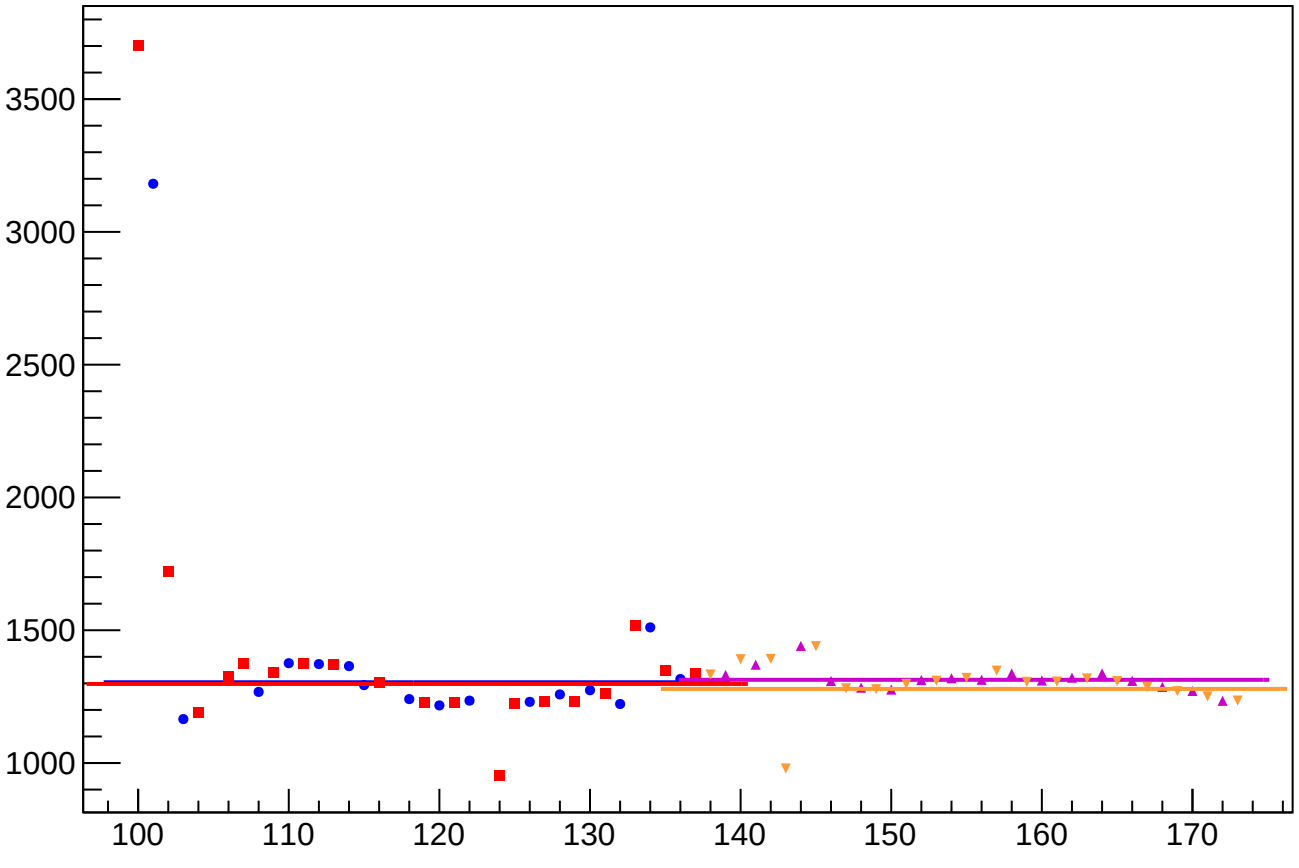
Left: 95.193+/-240.777 χ^2/NDF: 57.7/35

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -617.970+/-286.049 χ^2/NDF:26.6/32

Out: 467.281+/-273.545 χ^2/NDF:54.2/37

All: -51.108+/-197.698 χ^2/NDF: 88.3/70



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1279.192+/-0.234 χ^2/NDF:206356.0/18

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1313.354+/-0.248 χ^2/NDF:30163.9/16

Left: 1295.286+/-0.170 χ^2/NDF: 246551.6/35

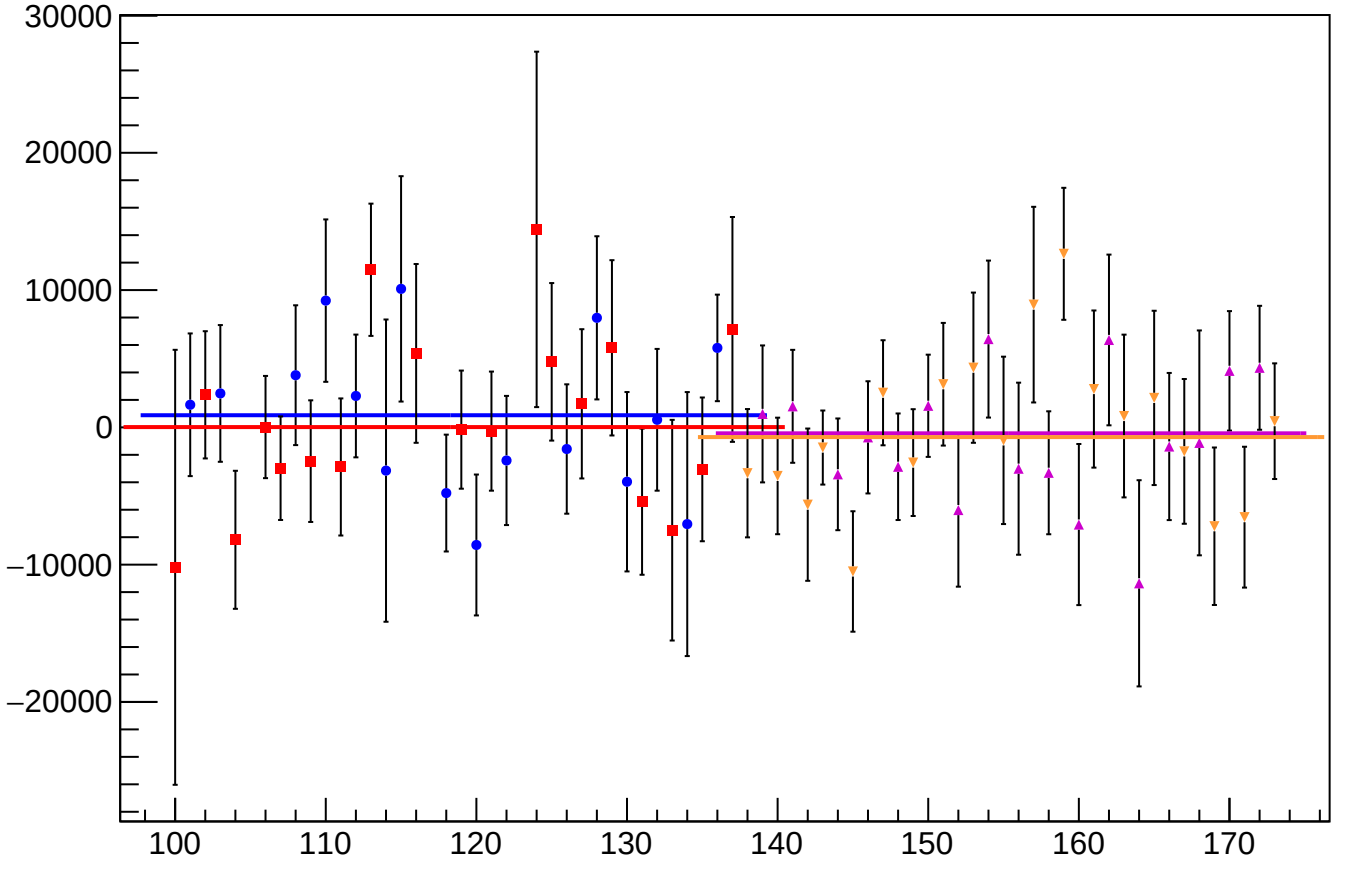
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1310.254+/-0.202 χ^2/NDF:541219.6/32

Out: 1285.102+/-0.193 χ^2/NDF:421459.3/37

All: 1297.114+/-0.140 χ^2/NDF: 970757.3/70

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -708.288+/-1068.711 χ^2/NDF:22.0/18

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -434.011+/-1178.170 χ^2/NDF:11.4/16

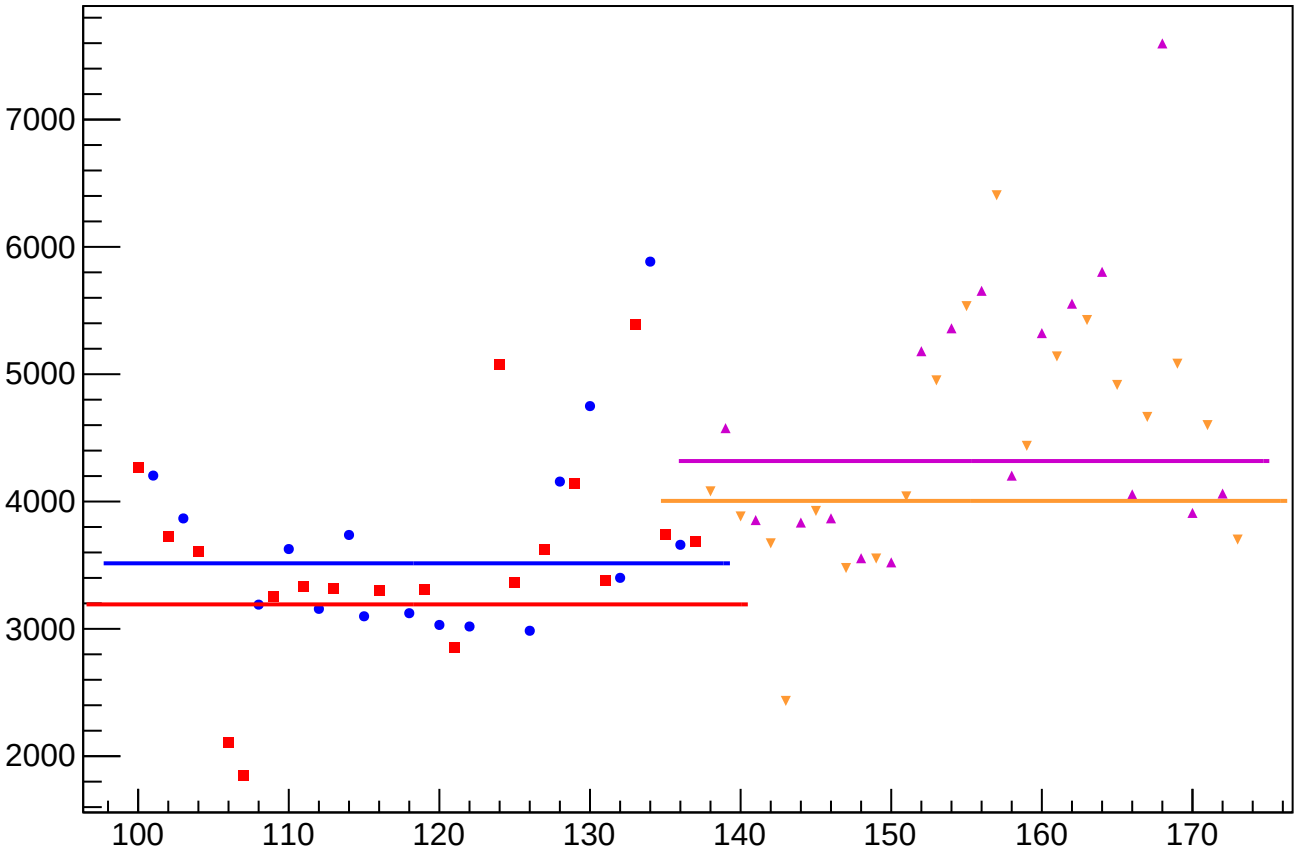
Left: -584.480+/-791.568 χ^2/NDF: 33.5/35

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 146.795+/-881.148 χ^2/NDF:26.1/32

Out: -385.853+/-798.093 χ^2/NDF:39.1/37

All: -145.809+/-591.526 χ^2/NDF: 65.3/70



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4005.009+/-0.756 χ^2/NDF:1556290.4/18

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4318.032+/-0.833 χ^2/NDF:1024030.4/16

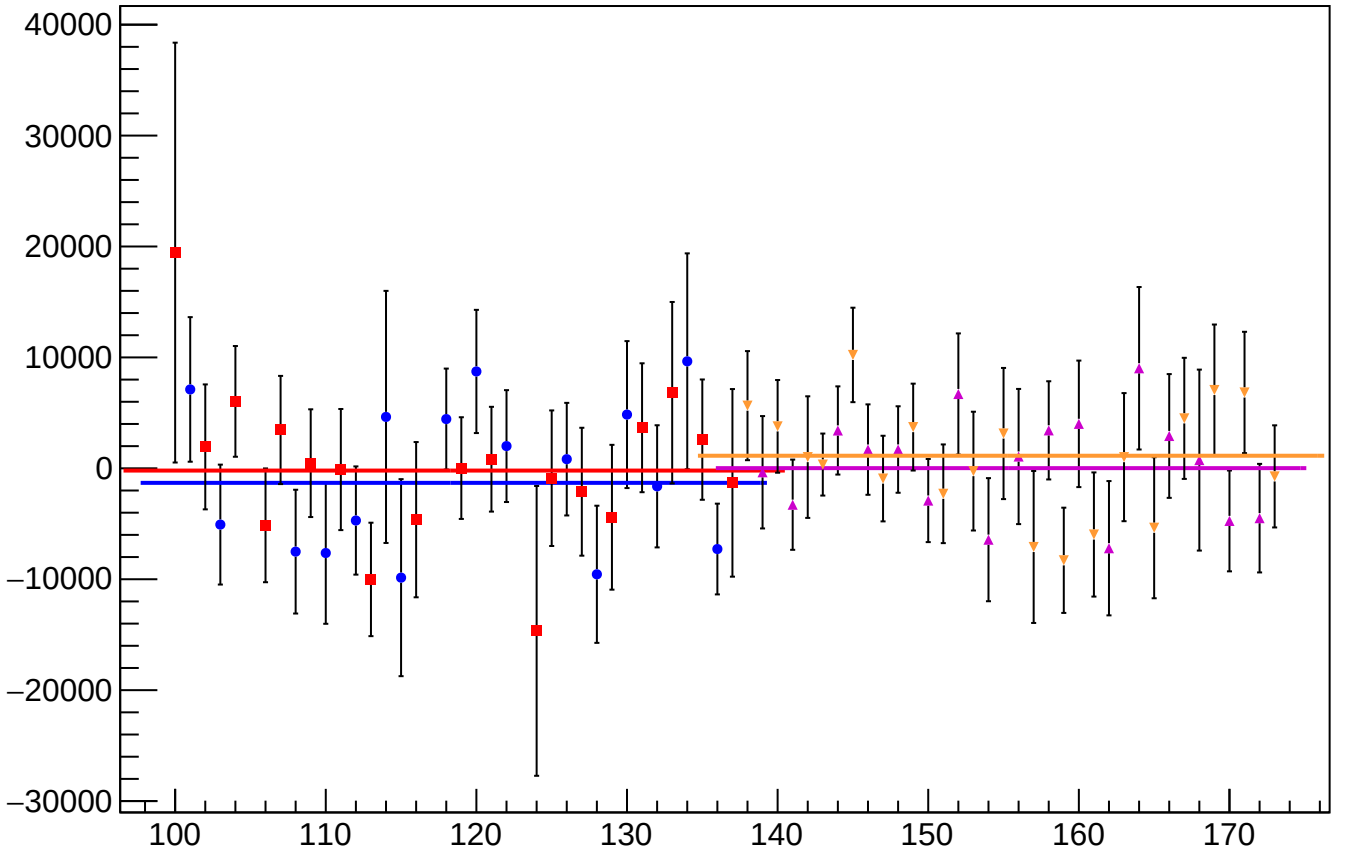
Left: 4146.308+/-0.560 χ^2/NDF: 2657770.8/35

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3964.058+/-0.623 χ^2/NDF:1808808.8/32

Out: 3645.487+/-0.564 χ^2/NDF:2840501.8/37

All: 3789.054+/-0.418 χ^2/NDF: 4792921.0/70



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1135.281+/-1080.463 χ^2/NDF:18.1/18

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 16.762+/-1180.340 χ^2/NDF:11.5/16

Left: 625.339+/-796.977 χ^2/NDF: 30.0/35

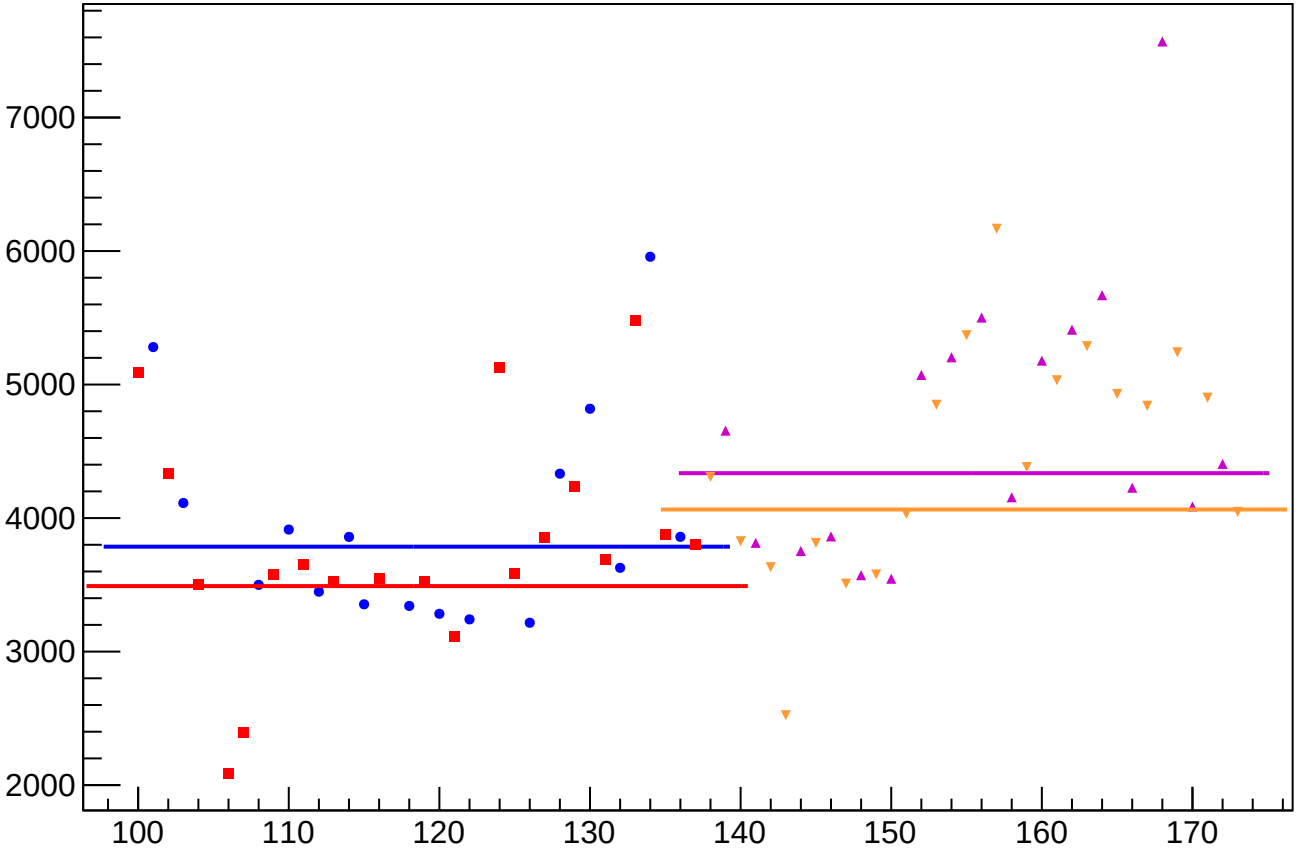
Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -519.885+/-910.717 χ^2/NDF:29.6/32

Out: 606.683+/-840.126 χ^2/NDF:30.3/37

All: 88.746+/-617.509 χ^2/NDF: 60.7/70

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4064.112+/-0.764 χ^2/NDF:1402478.4/18

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4336.304+/-0.835 χ^2/NDF:932690.4/16

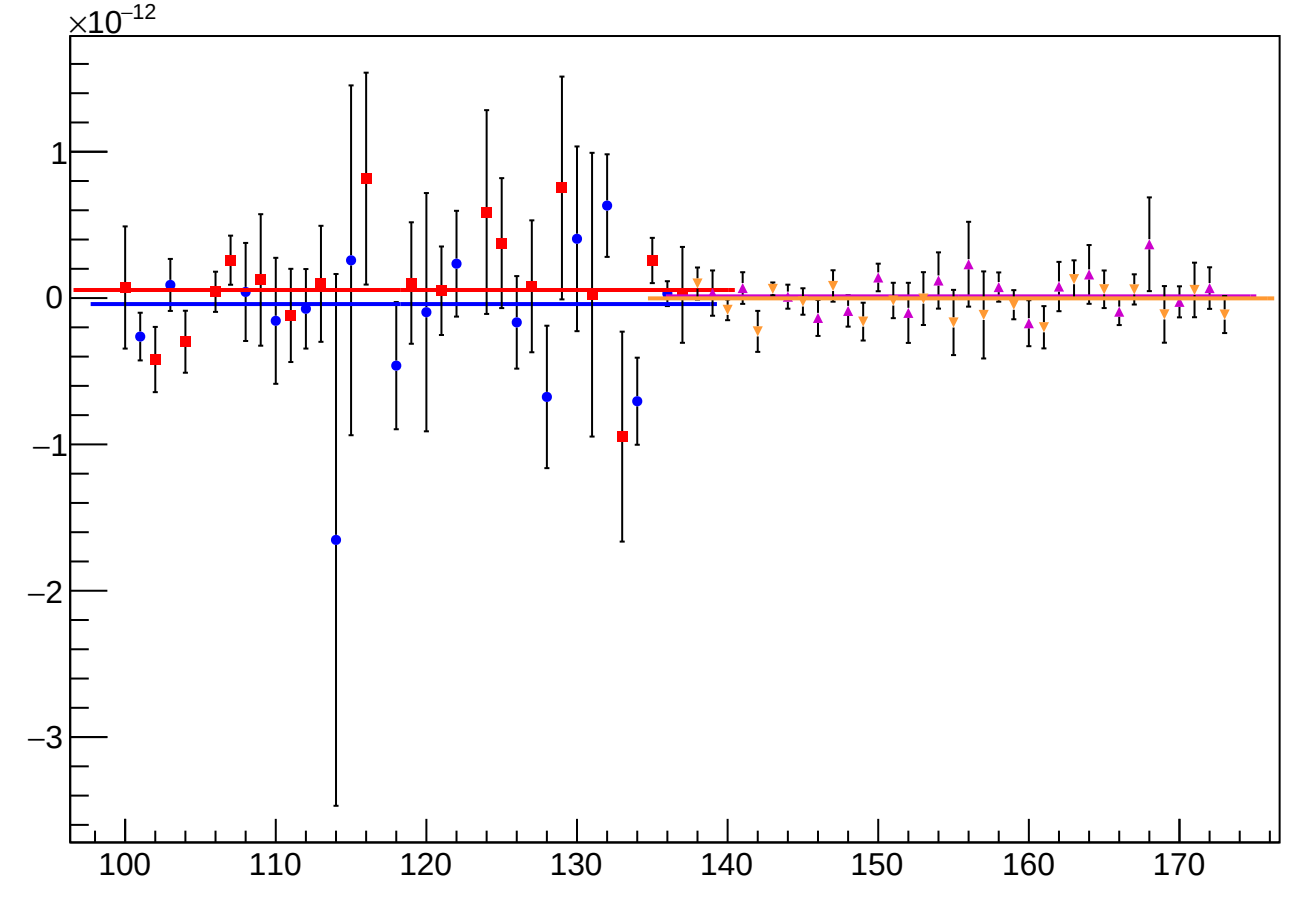
Left: 4188.207+/-0.564 χ^2/NDF: 2393037.1/35

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4113.515+/-0.644 χ^2/NDF:1491756.0/32

Out: 3833.577+/-0.591 χ^2/NDF:2215699.3/37

All: 3961.517+/-0.435 χ^2/NDF: 3810059.3/70



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.0/16

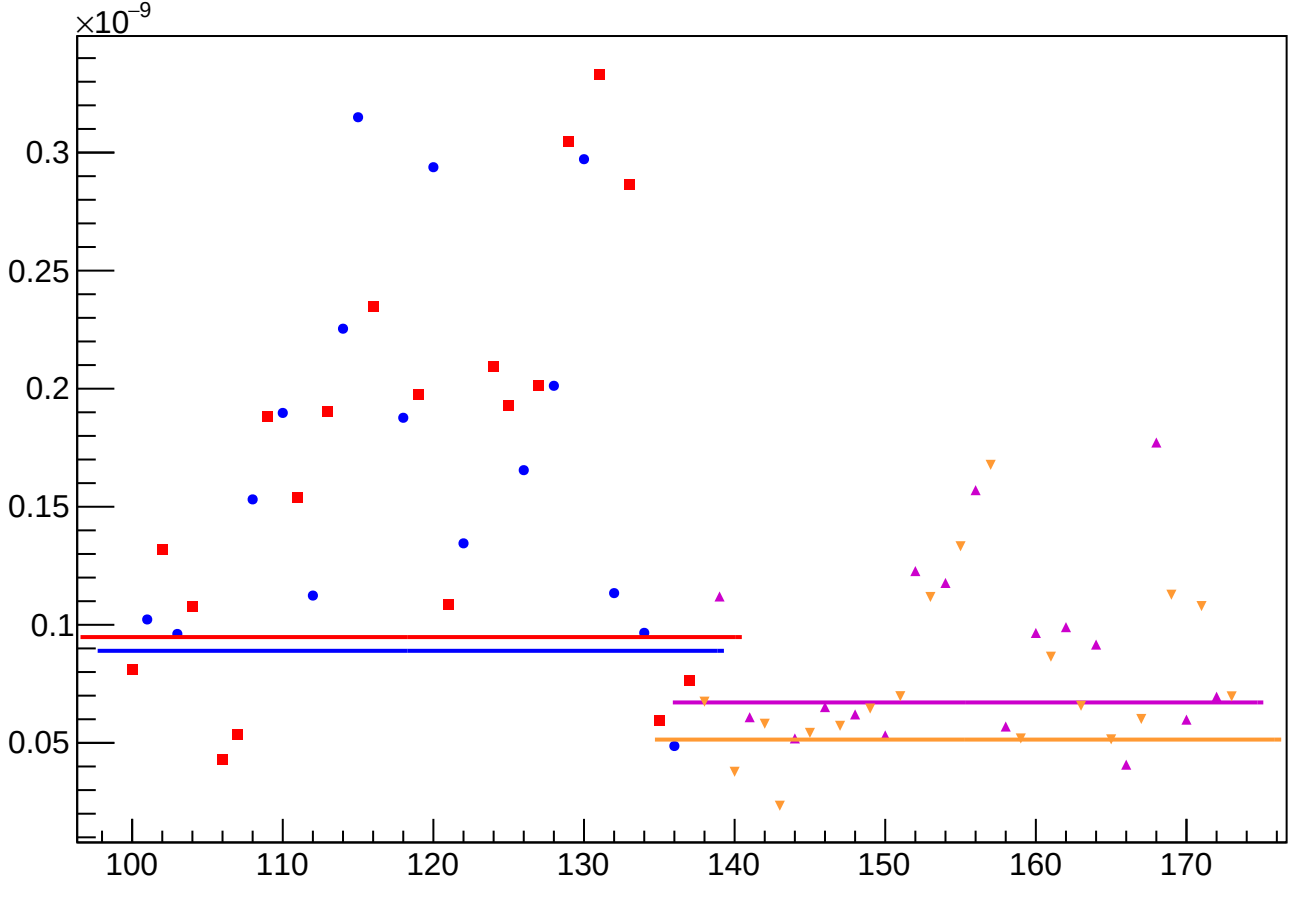
Left: 0.000+/-0.000 χ^2/NDF: 25.7/35

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:28.2/32

Out: 0.000+/-0.000 χ^2/NDF:31.2/37

All: 0.000+/-0.000 χ^2/NDF: 59.4/70



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2392370.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1375148.3/16

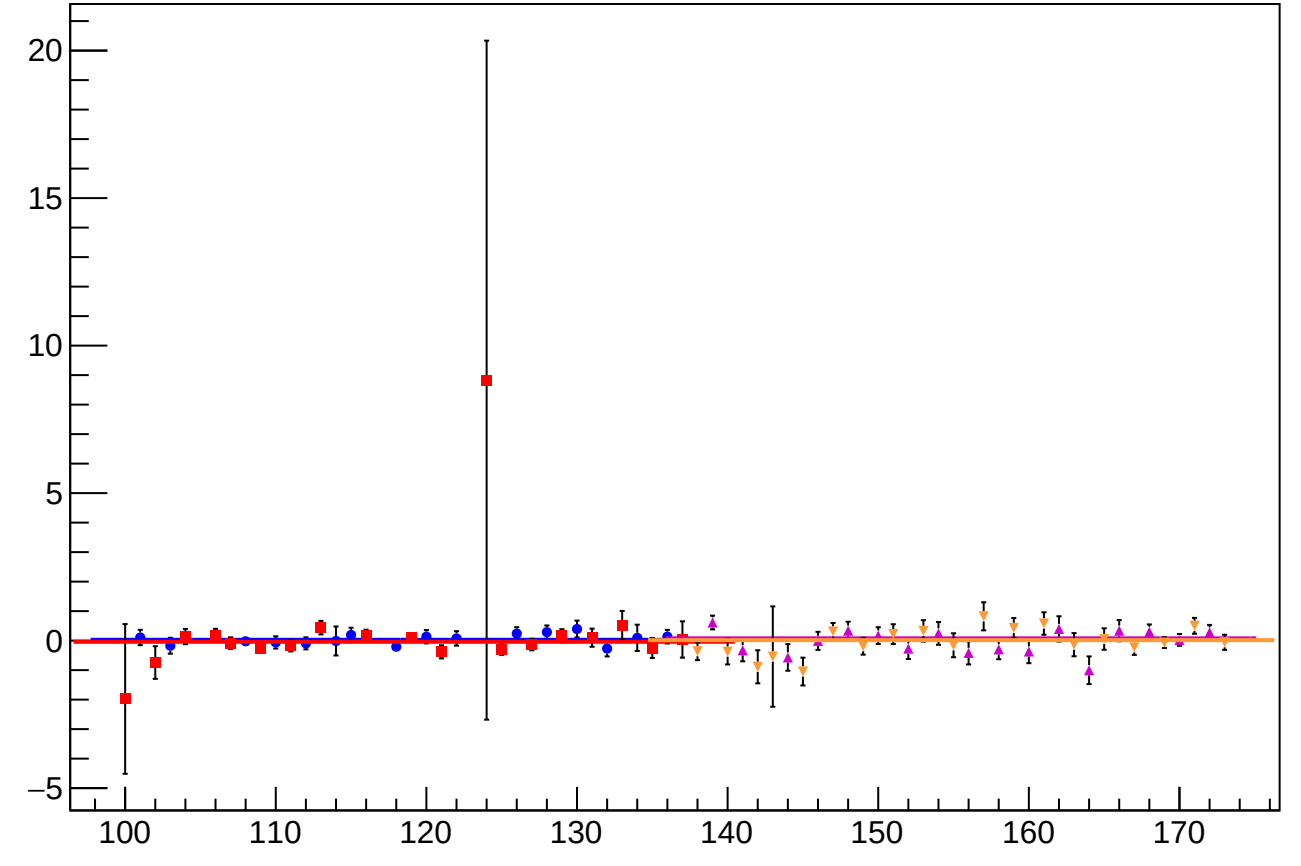
Left: 0.000+/-0.000 χ^2/NDF: 4095116.4/35

Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3052520.8/32

Out: 0.000+/-0.000 χ^2/NDF:4934415.5/37

All: 0.000+/-0.000 χ^2/NDF: 8348507.3/70



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.077+/-0.076 χ^2/NDF:22.6/16

Left: 0.046+/-0.053 χ^2/NDF: 47.1/35

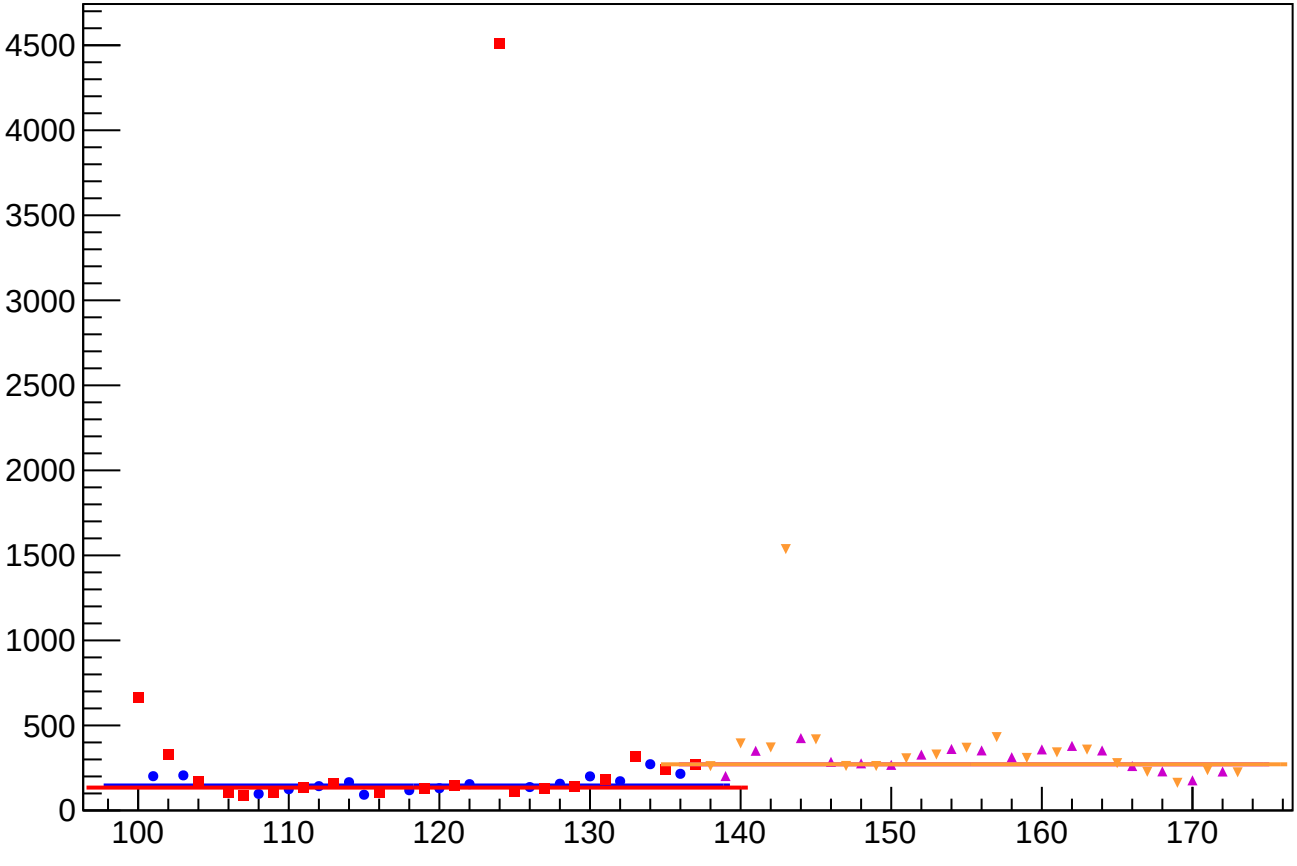
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.046+/-0.046 χ^2/NDF:32.3/32

Out: -0.020+/-0.044 χ^2/NDF:44.6/37

All: 0.012+/-0.032 χ^2/NDF: 77.9/70

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: 271.419+/-0.053 χ^2/NDF:3010380.1/18

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 271.262+/-0.053 χ^2/NDF:1627326.4/16

Left: 271.341+/-0.038 χ^2/NDF: 4637710.8/35

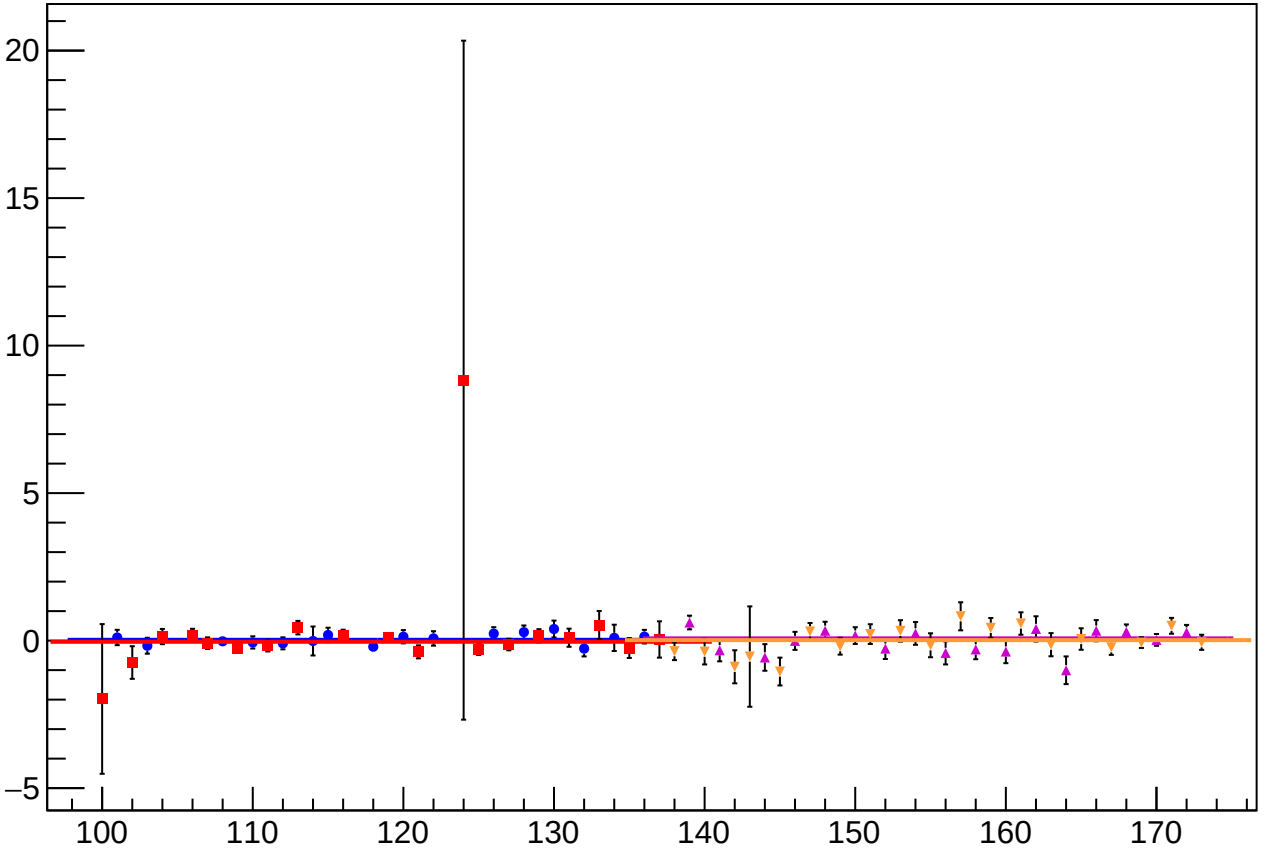
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 192.656+/-0.032 χ^2/NDF:6051336.4/32

Out: 182.517+/-0.031 χ^2/NDF:8998044.4/37

All: 187.393+/-0.022 χ^2/NDF: 15100126.6/70

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: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.077+/-0.076 χ^2/NDF:22.6/16

Left: 0.046+/-0.053 χ^2/NDF: 47.1/35

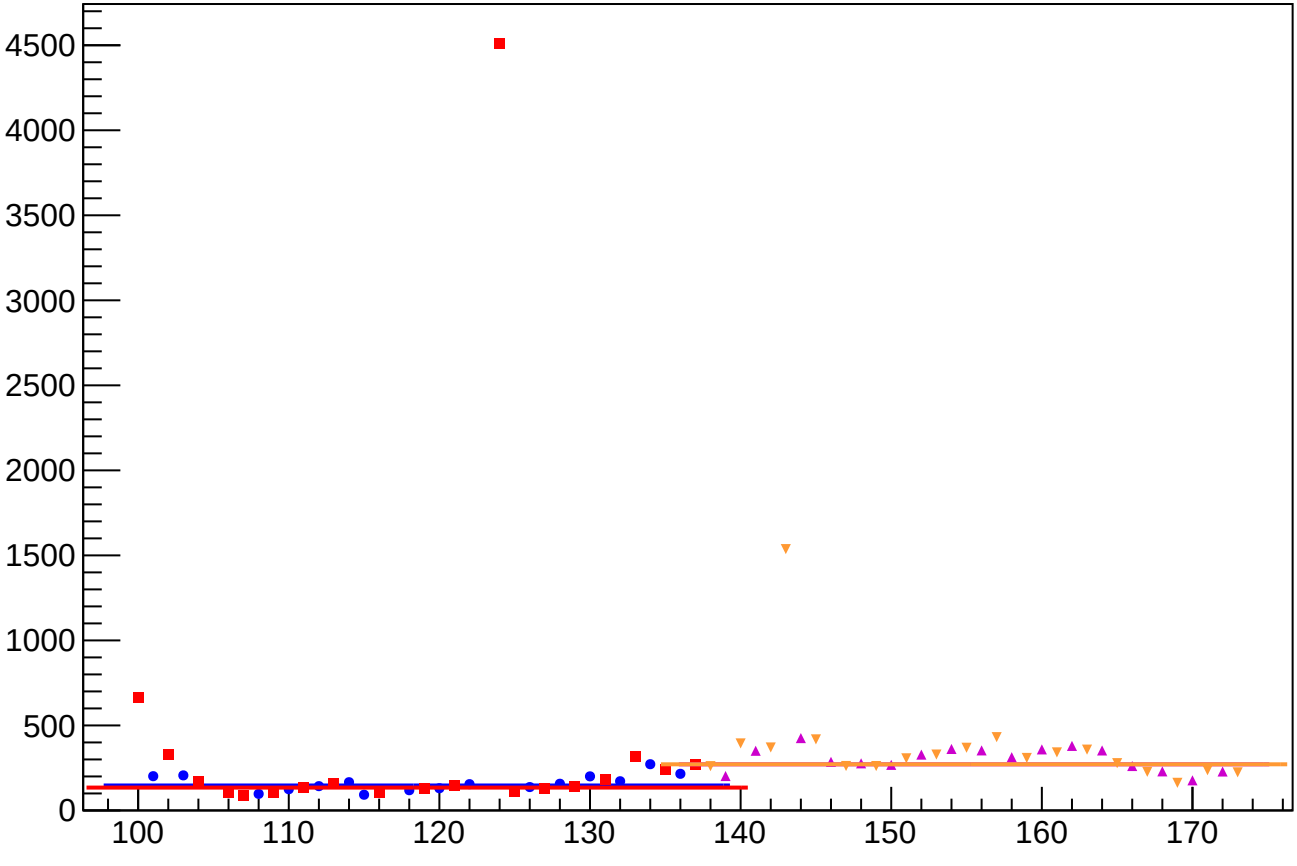
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.046+/-0.046 χ^2/NDF:32.3/32

Out: -0.020+/-0.044 χ^2/NDF:44.6/37

All: 0.012+/-0.032 χ^2/NDF: 77.9/70

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: 271.419+/-0.053 χ^2/NDF:3010380.1/18

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 271.262+/-0.053 χ^2/NDF:1627326.4/16

Left: 271.341+/-0.038 χ^2/NDF: 4637710.8/35

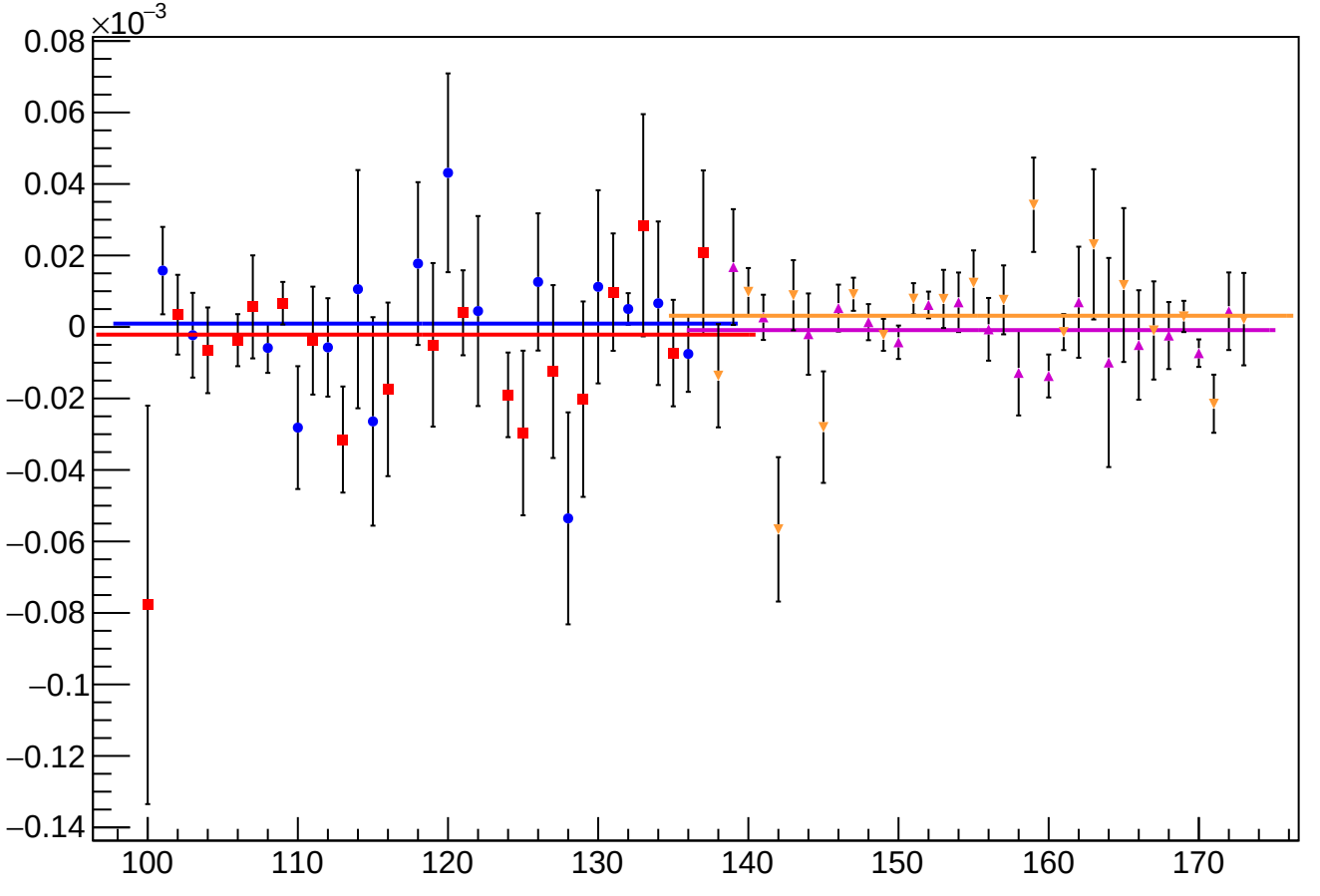
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 192.656+/-0.032 χ^2/NDF:6051336.4/32

Out: 182.517+/-0.031 χ^2/NDF:8998044.4/37

All: 187.393+/-0.022 χ^2/NDF: 15100126.6/70

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:38.0/18

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:16.6/16

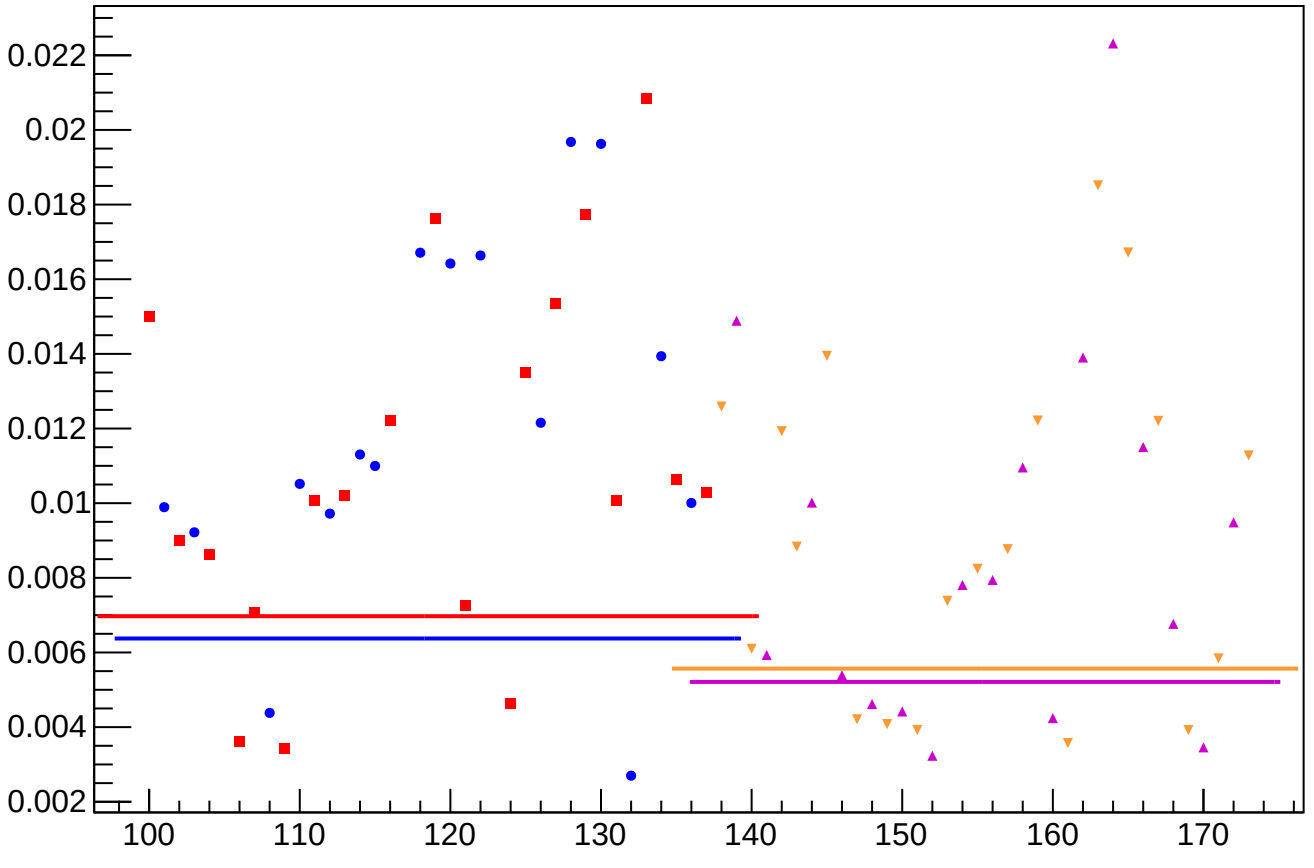
Left: 0.000+/-0.000 χ^2/NDF: 57.6/35

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: -0.000+/-0.000 χ^2/NDF:31.8/32

Out: 0.000+/-0.000 χ^2/NDF:56.4/37

All: 0.000+/-0.000 χ^2/NDF: 89.5/70



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:5913832.2/18

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:5078304.7/16

Left: 0.005+/-0.000 χ^2/NDF: 11038886.4/35

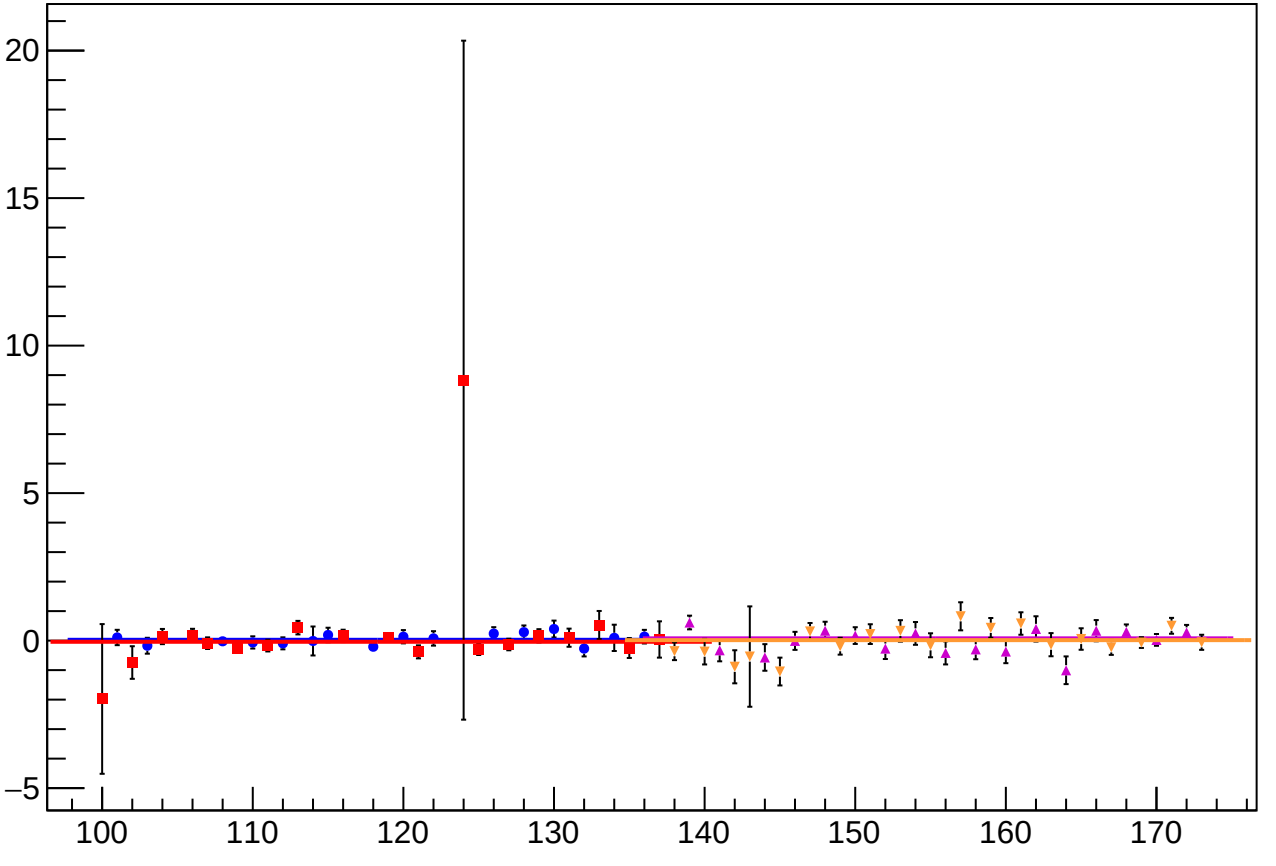
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.005+/-0.000 χ^2/NDF:9959101.2/32

Out: 0.006+/-0.000 χ^2/NDF:9656185.3/37

All: 0.006+/-0.000 χ^2/NDF: 19696051.4/70

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: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.077+/-0.076 χ^2/NDF:22.6/16

Left: 0.046+/-0.053 χ^2/NDF: 47.1/35

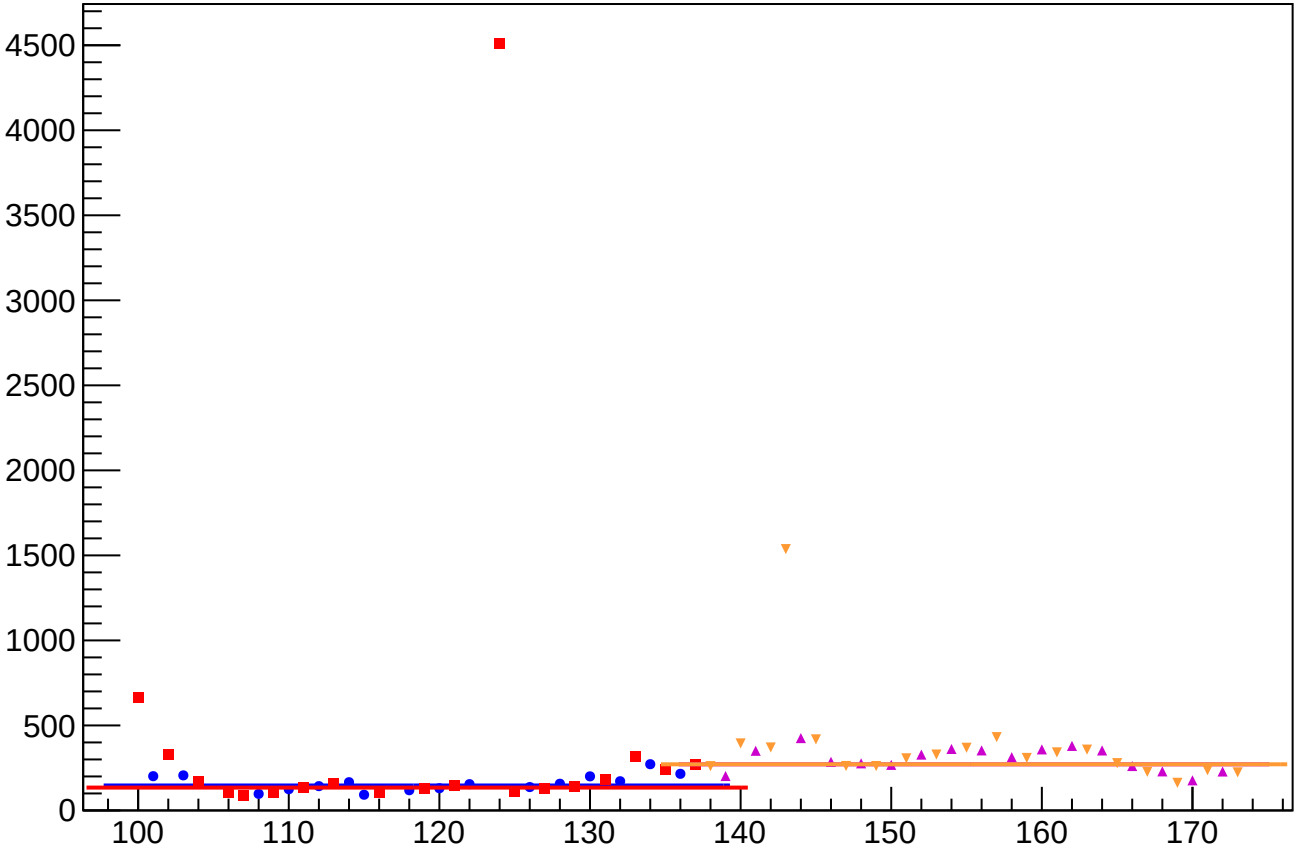
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.046+/-0.046 χ^2/NDF:32.3/32

Out: -0.020+/-0.044 χ^2/NDF:44.6/37

All: 0.012+/-0.032 χ^2/NDF: 77.9/70

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: 271.419+/-0.053 χ^2/NDF:3010520.3/18

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 271.264+/-0.053 χ^2/NDF:1627379.4/16

Left: 271.342+/-0.038 χ^2/NDF: 4637903.9/35

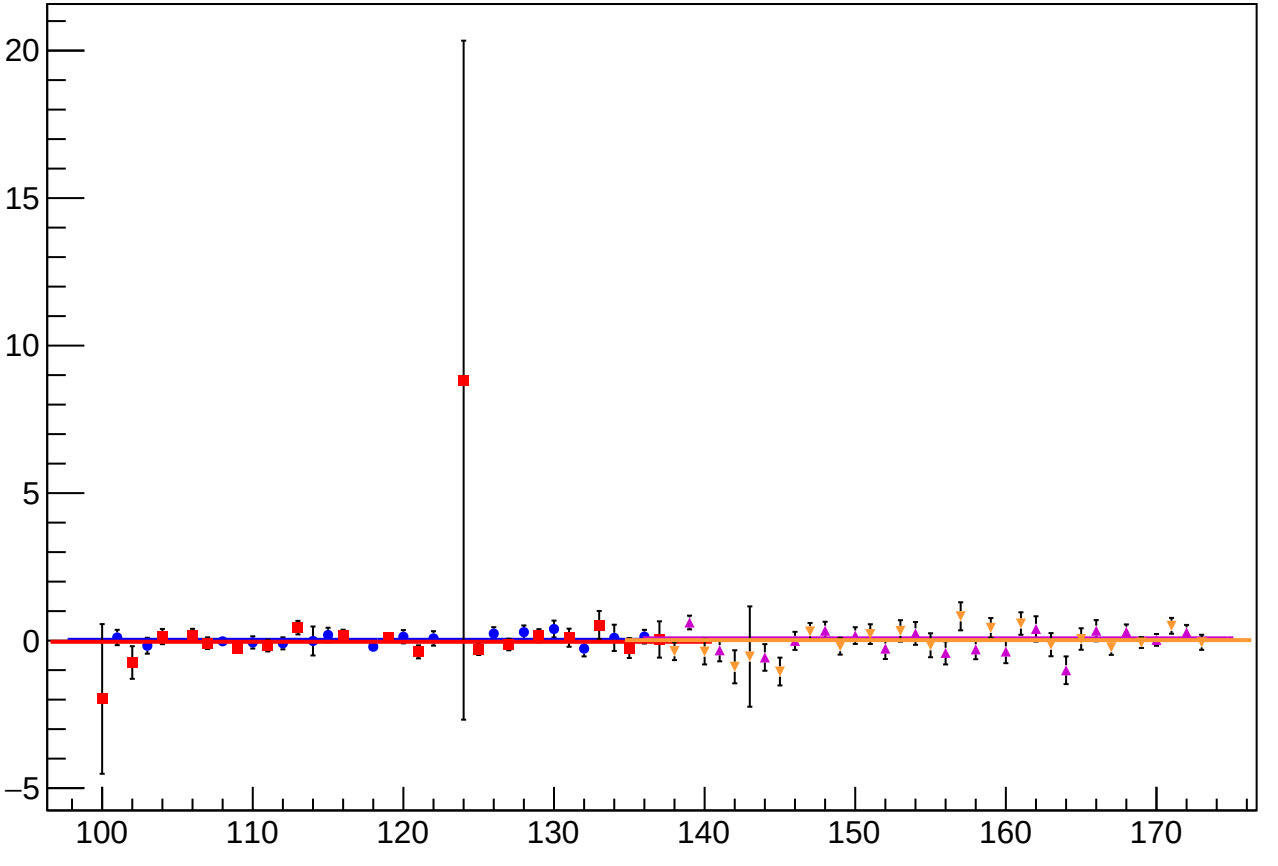
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 192.656+/-0.032 χ^2/NDF:6051420.2/32

Out: 182.518+/-0.031 χ^2/NDF:8997999.8/37

All: 187.393+/-0.022 χ^2/NDF: 15100155.6/70

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: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.077+/-0.076 χ^2/NDF:22.6/16

Left: 0.046+/-0.053 χ^2/NDF: 47.1/35

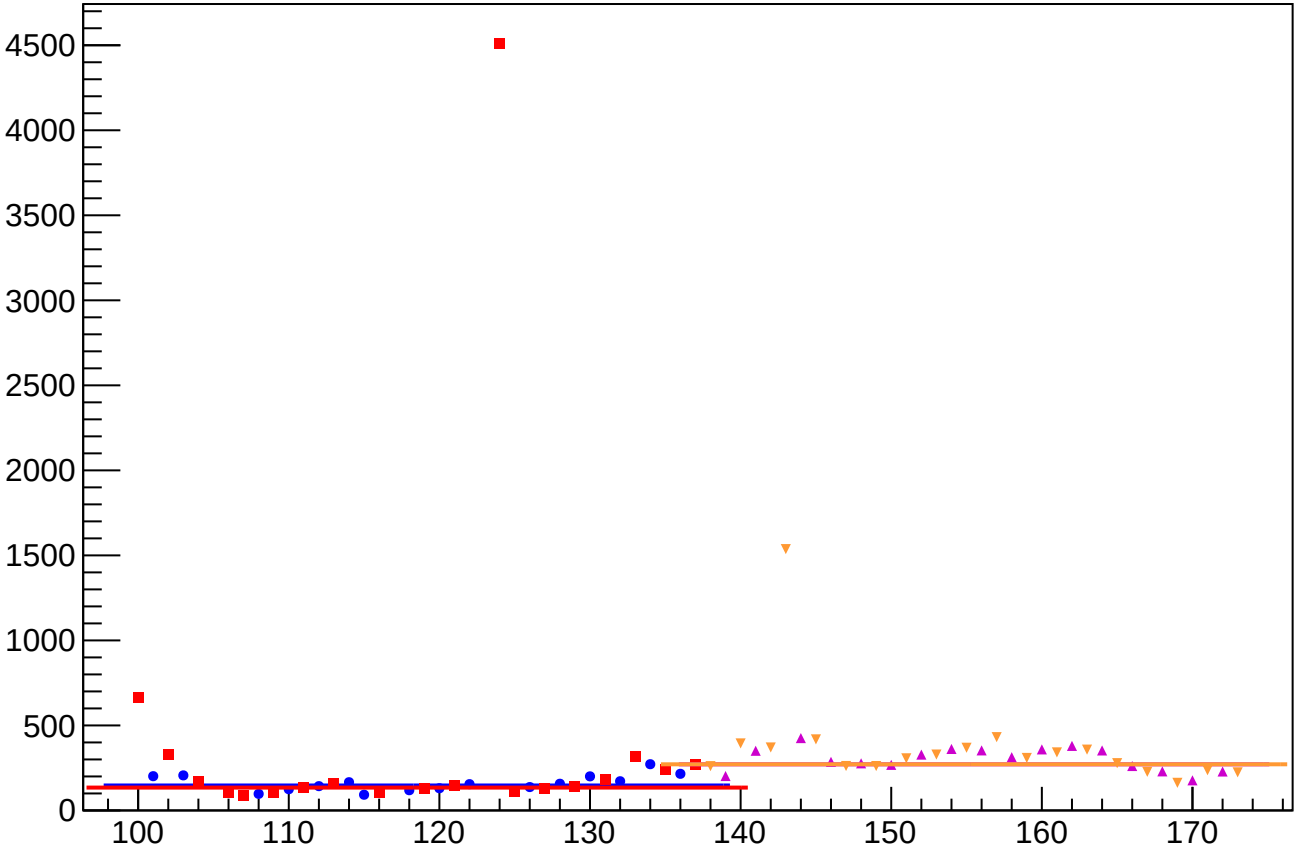
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.046+/-0.046 χ^2/NDF:32.3/32

Out: -0.020+/-0.044 χ^2/NDF:44.6/37

All: 0.012+/-0.032 χ^2/NDF: 77.9/70

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: 271.419+/-0.053 χ^2/NDF:3010520.3/18

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 271.264+/-0.053 χ^2/NDF:1627379.4/16

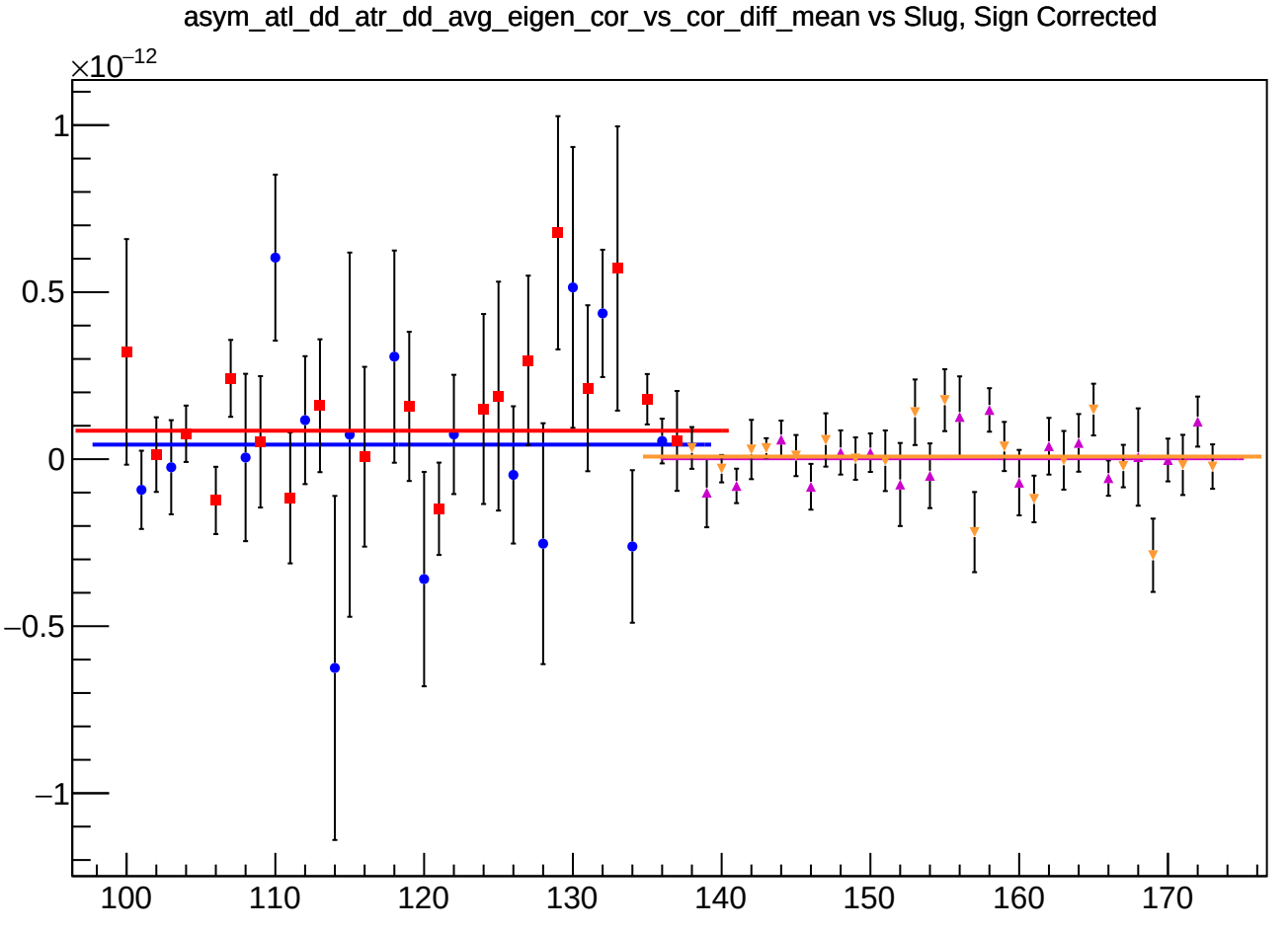
Left: 271.342+/-0.038 χ^2/NDF: 4637903.9/35

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 192.656+/-0.032 χ^2/NDF:6051420.2/32

Out: 182.518+/-0.031 χ^2/NDF:8997999.8/37

All: 187.393+/-0.022 χ^2/NDF: 15100155.6/70



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:17.3/16

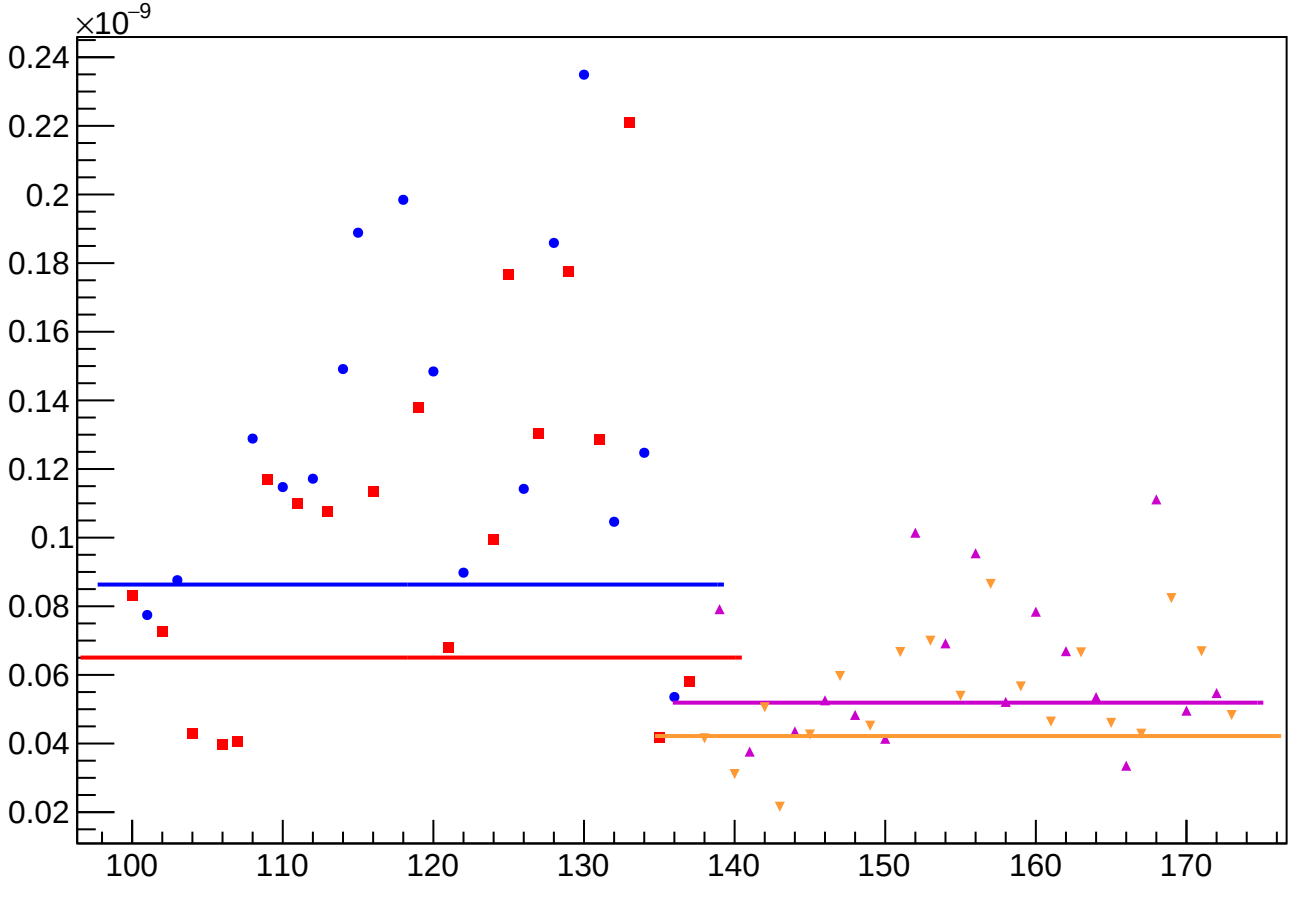
Left: 0.000+/-0.000 χ^2/NDF: 42.7/35

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:37.1/32

Out: 0.000+/-0.000 χ^2/NDF:47.9/37

All: 0.000+/-0.000 χ^2/NDF: 85.2/70



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2520796.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1832464.0/16

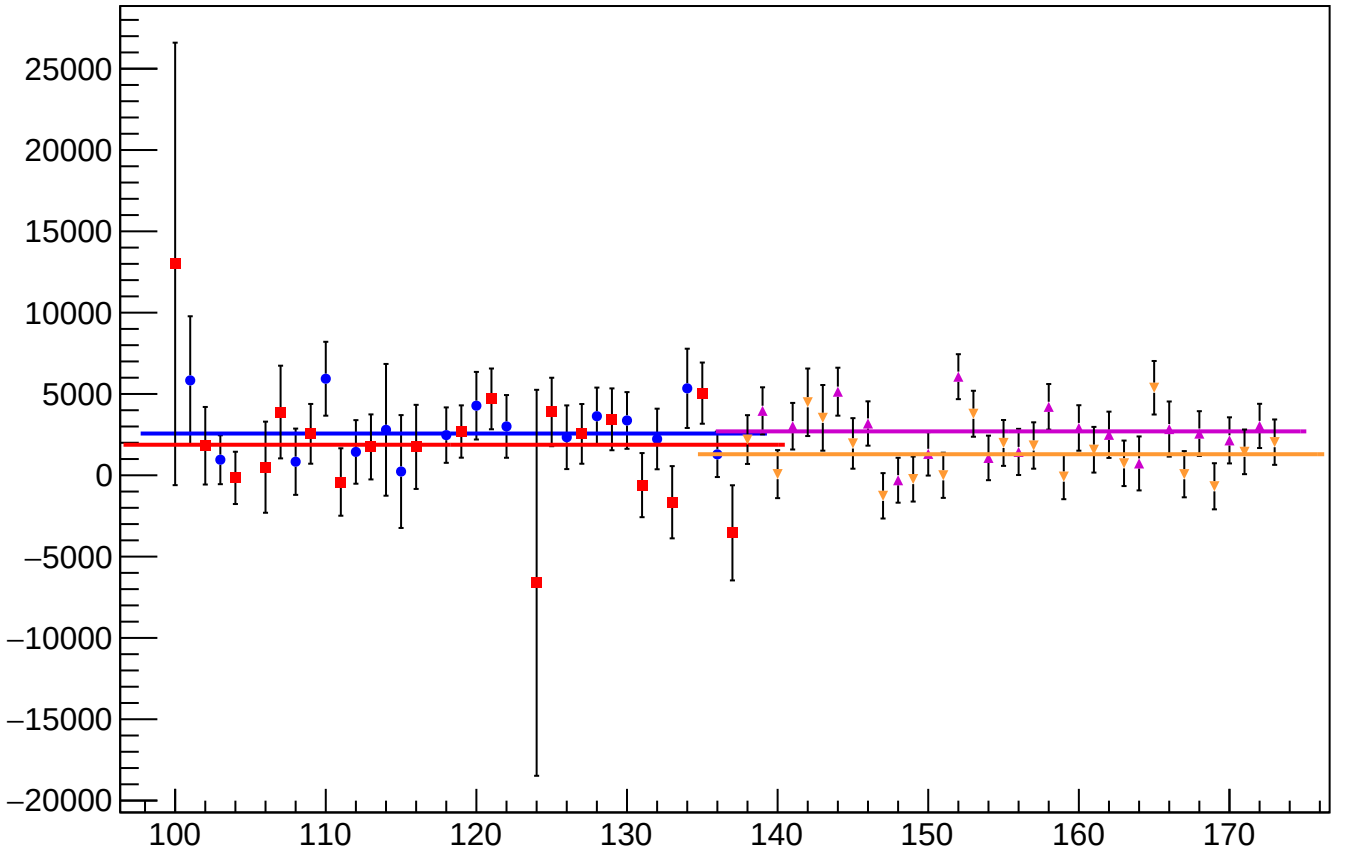
Left: 0.000+/-0.000 χ^2/NDF: 4709279.3/35

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4506051.7/32

Out: 0.000+/-0.000 χ^2/NDF:5431767.0/37

All: 0.000+/-0.000 χ^2/NDF: 10488677.4/70



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1295.241+/-337.362 χ^2/NDF:24.1/18

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 2699.800+/-345.171 χ^2/NDF:20.5/16

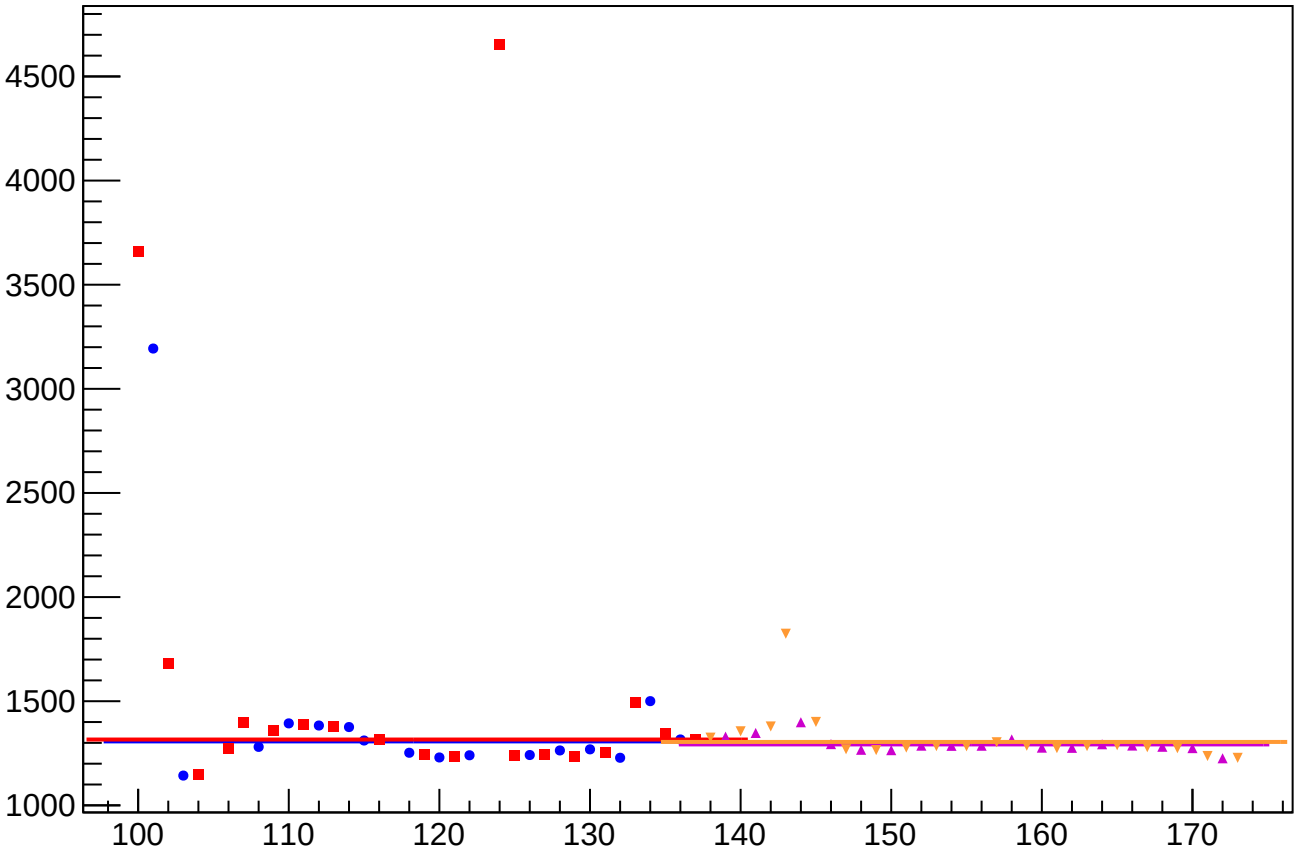
Left: 1981.454+/-241.265 χ^2/NDF: 53.0/35

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2656.546+/-283.200 χ^2/NDF:29.6/32

Out: 1480.229+/-278.724 χ^2/NDF:44.6/37

All: 2059.018+/-198.651 χ^2/NDF: 82.9/70



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1304.426+/-0.239 χ^2/NDF:164113.5/18

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1292.530+/-0.244 χ^2/NDF:22742.4/16

Left: 1298.614+/-0.171 χ^2/NDF: 188070.9/35

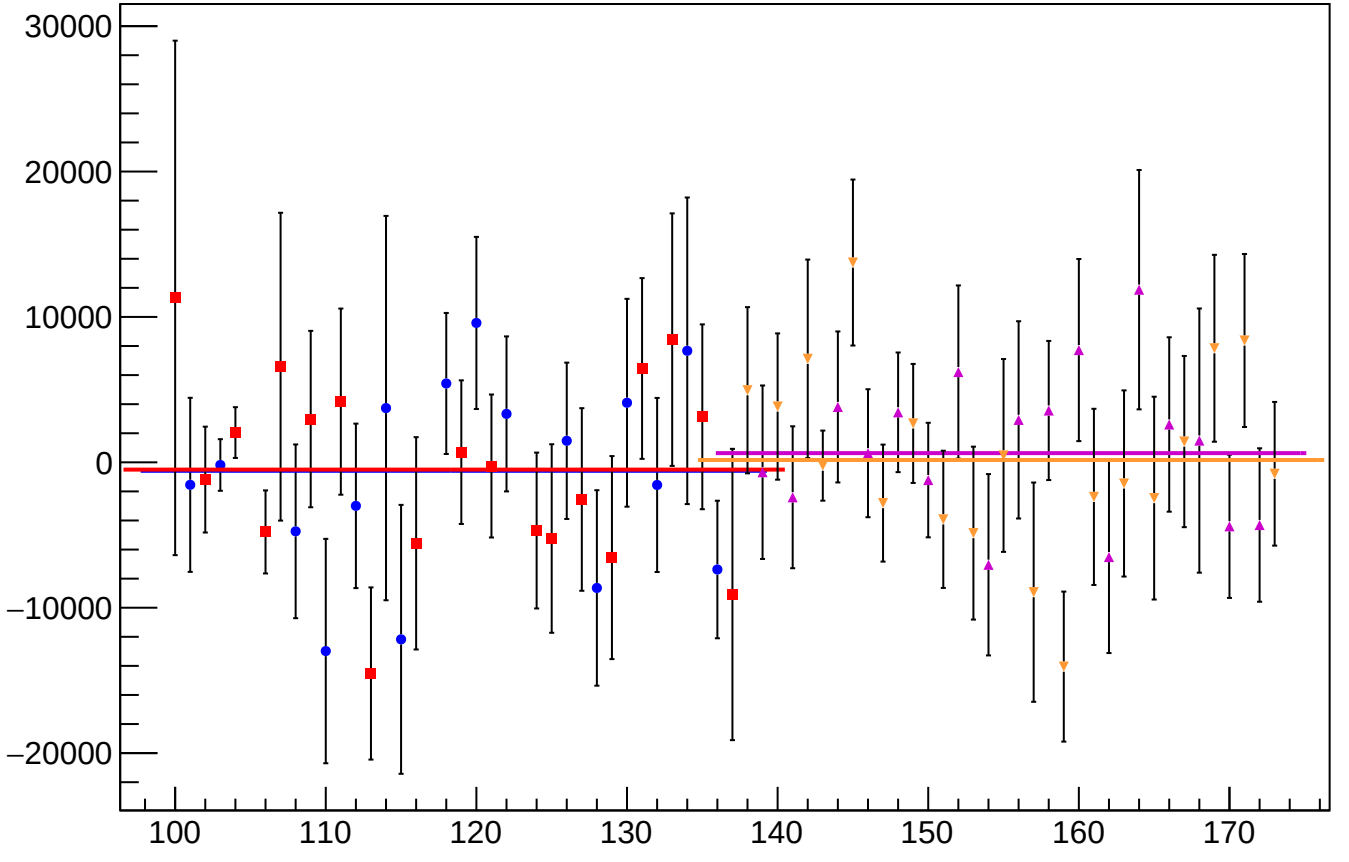
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1297.282+/-0.200 χ^2/NDF:540151.0/32

Out: 1308.113+/-0.197 χ^2/NDF:491283.3/37

All: 1302.788+/-0.140 χ^2/NDF: 1032921.6/70

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: 160.328+/-1146.068 χ^2/NDF:23.2/18

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 633.629+/-1311.047 χ^2/NDF:10.7/16

Left: 365.342+/-862.862 χ^2/NDF: 34.0/35

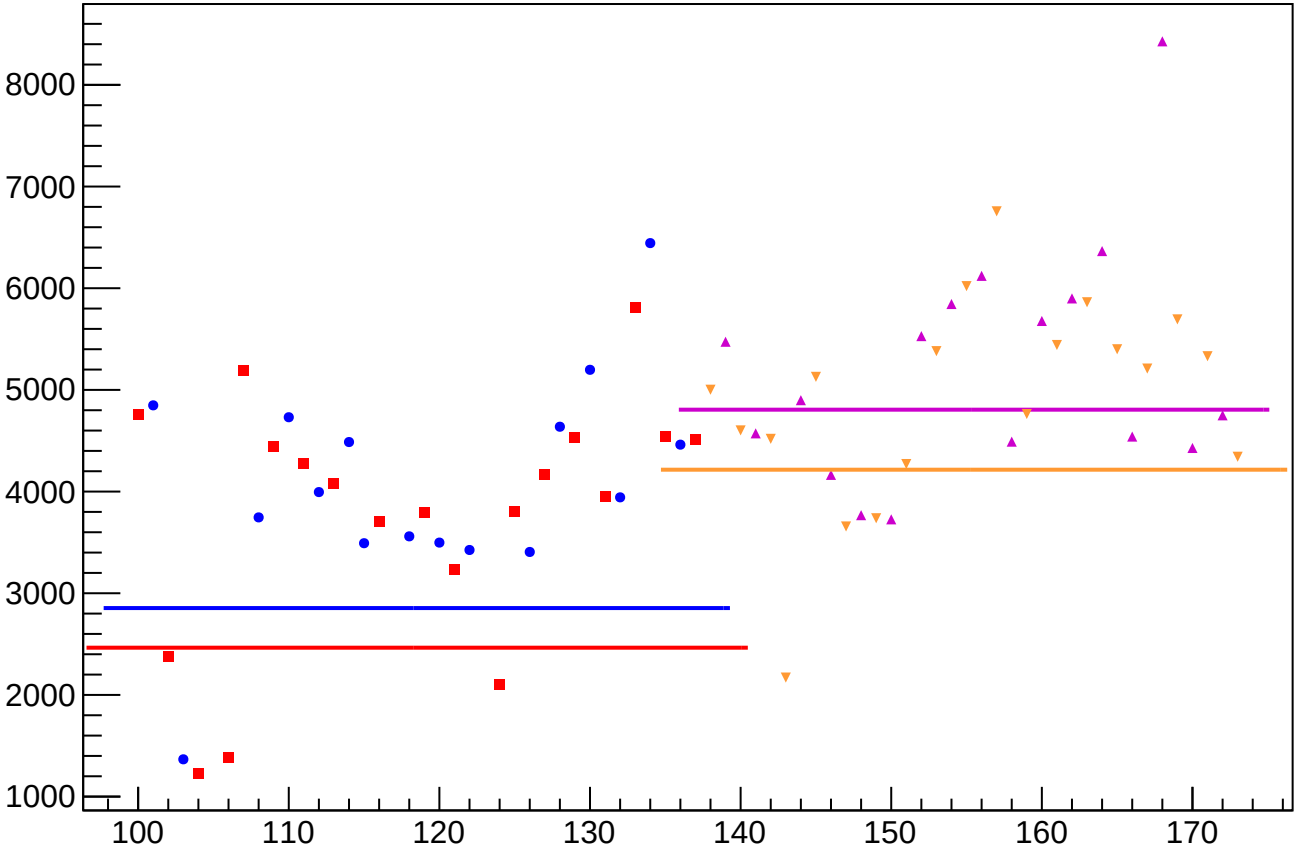
Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -31.321+/-882.311 χ^2/NDF:25.9/32

Out: -197.028+/-776.372 χ^2/NDF:41.1/37

All: -124.715+/-582.853 χ^2/NDF: 67.0/70

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4215.162+/-0.810 χ^2/NDF:2590673.5/18

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4805.452+/-0.927 χ^2/NDF:1018174.7/16

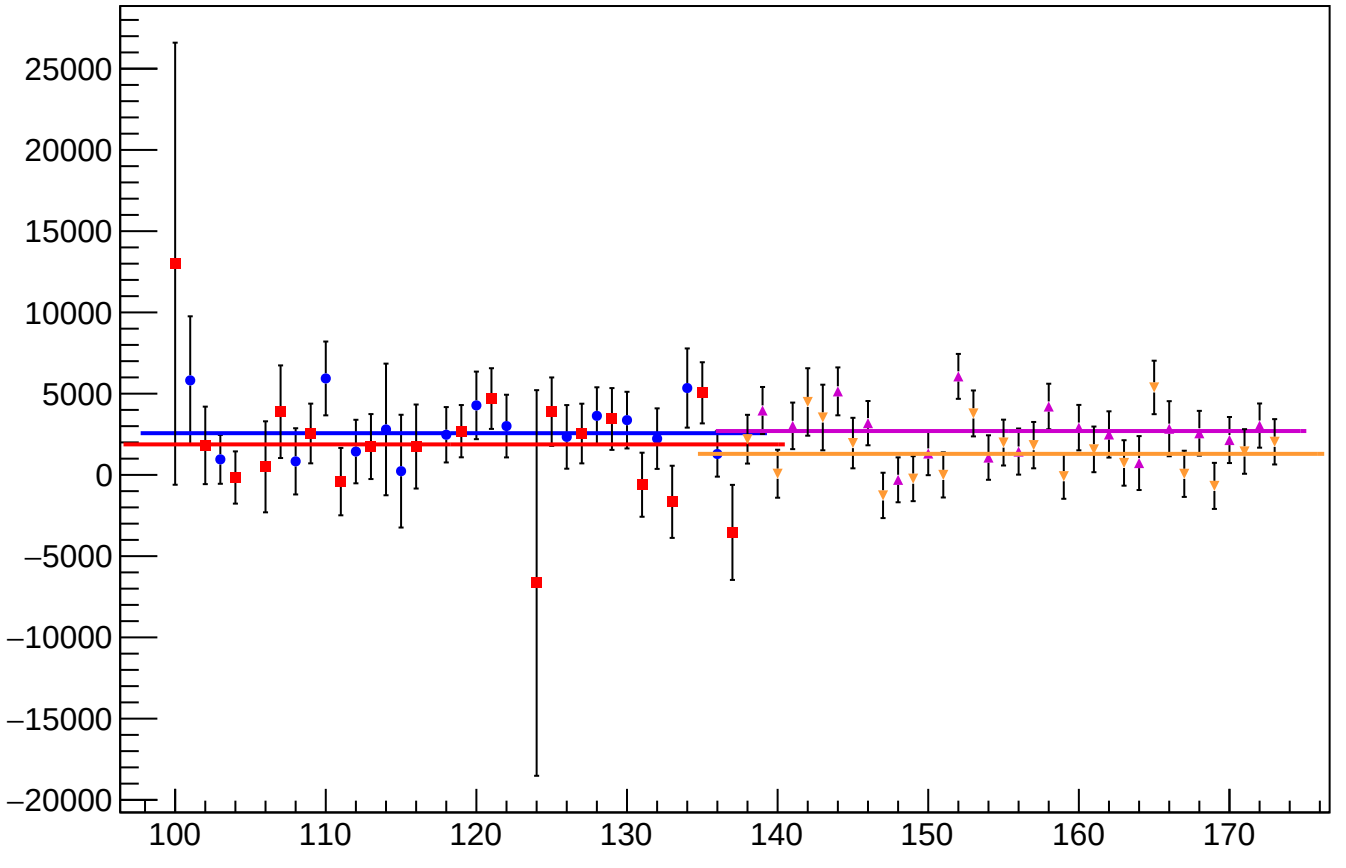
Left: 4470.851+/-0.610 χ^2/NDF: 3838668.0/35

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3737.986+/-0.624 χ^2/NDF:6346475.0/32

Out: 3267.930+/-0.549 χ^2/NDF:8471523.2/37

All: 3473.057+/-0.412 χ^2/NDF: 15137935.8/7



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1295.181+/-337.362 χ^2/NDF:24.1/18

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2699.822+/-345.171 χ^2/NDF:20.5/16

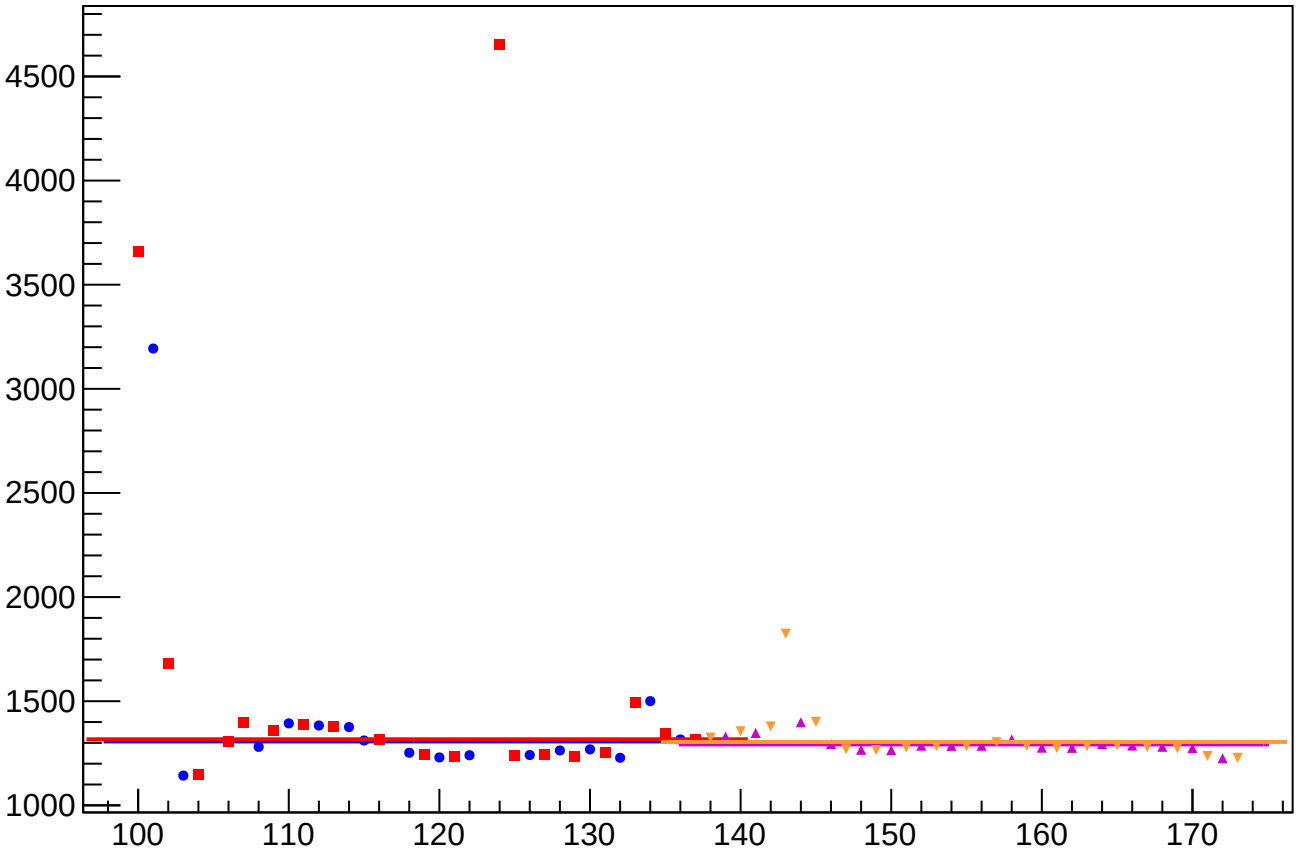
Left: 1981.434+/-241.265 χ^2/NDF: 53.0/35

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2656.469+/-283.200 χ^2/NDF:29.6/32

Out: 1480.106+/-278.724 χ^2/NDF:44.6/37

All: 2058.918+/-198.651 χ^2/NDF: 82.9/70



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1304.426+/-0.239 χ^2/NDF:164113.5/18

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1292.530+/-0.244 χ^2/NDF:22742.4/16

Left: 1298.614+/-0.171 χ^2/NDF: 188070.9/35

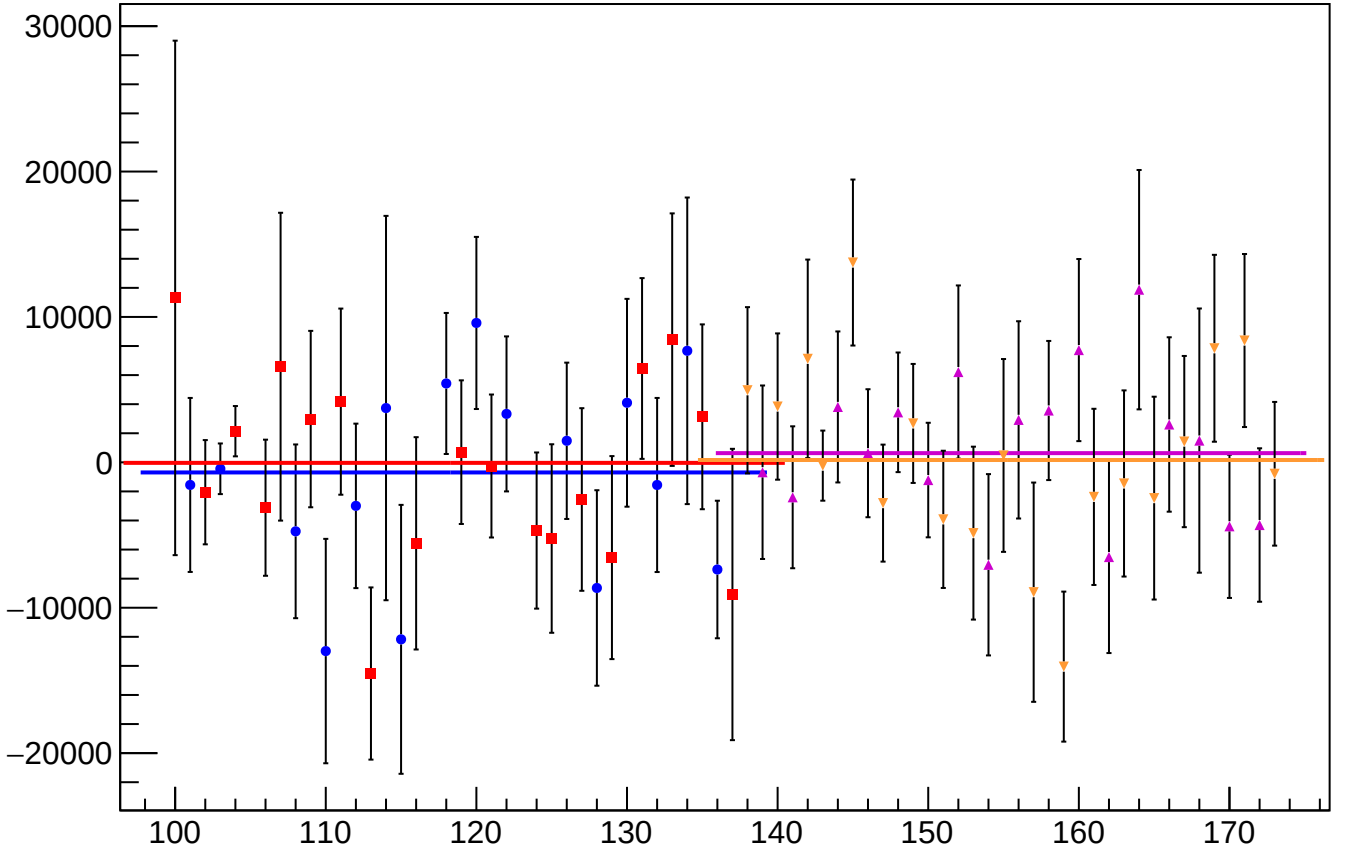
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1297.282+/-0.200 χ^2/NDF:540152.5/32

Out: 1308.469+/-0.197 χ^2/NDF:490942.5/37

All: 1302.968+/-0.140 χ^2/NDF: 1032681.2/70

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 160.306+/-1146.064 χ^2/NDF:23.2/18

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 633.685+/-1311.046 χ^2/NDF:10.7/16

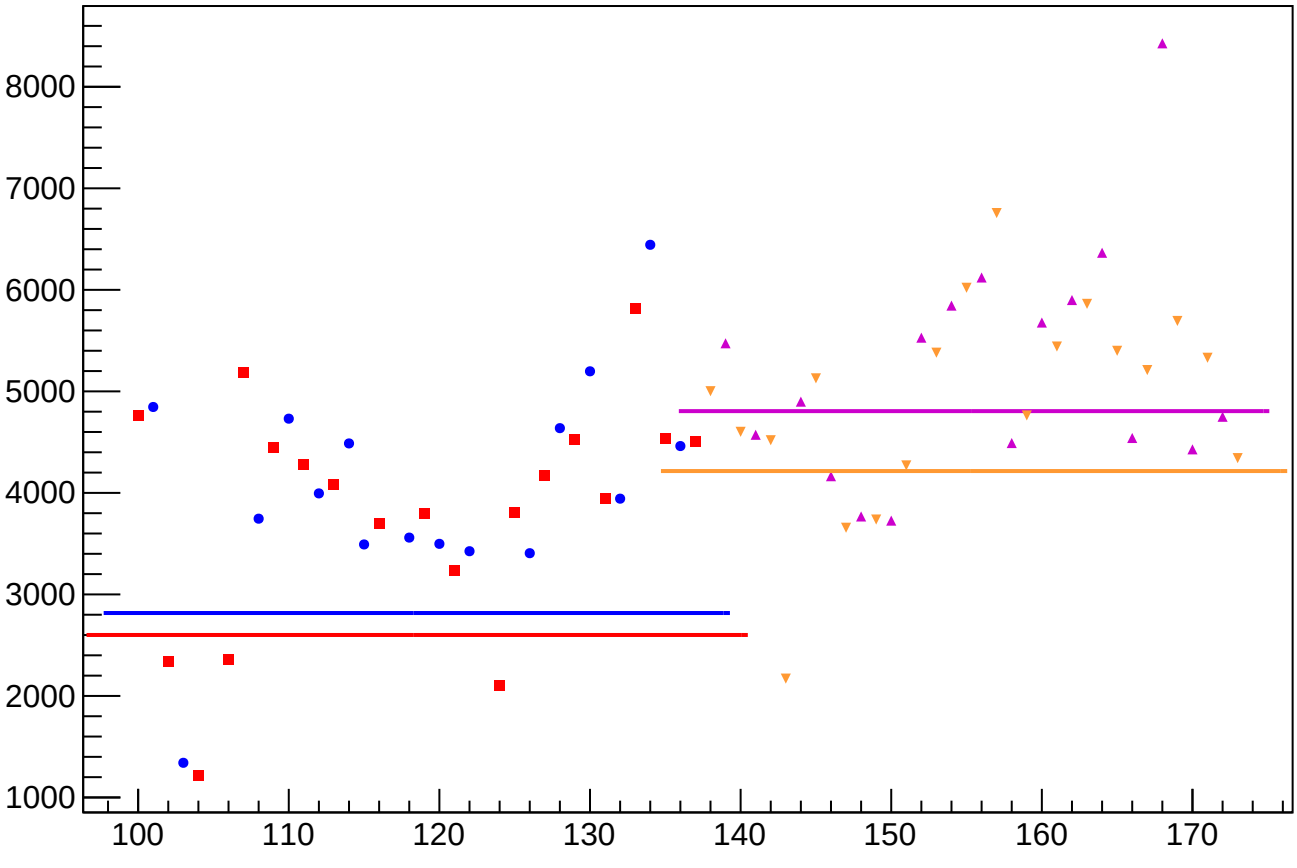
Left: 365.353+/-862.860 χ^2/NDF: 34.0/35

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -99.147+/-878.065 χ^2/NDF:26.0/32

Out: 57.909+/-792.929 χ^2/NDF:39.1/37

All: -12.638+/-588.489 χ^2/NDF: 65.1/70



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4215.141+/-0.810 χ^2/NDF:2590753.7/18

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4805.451+/-0.927 χ^2/NDF:1018182.4/16

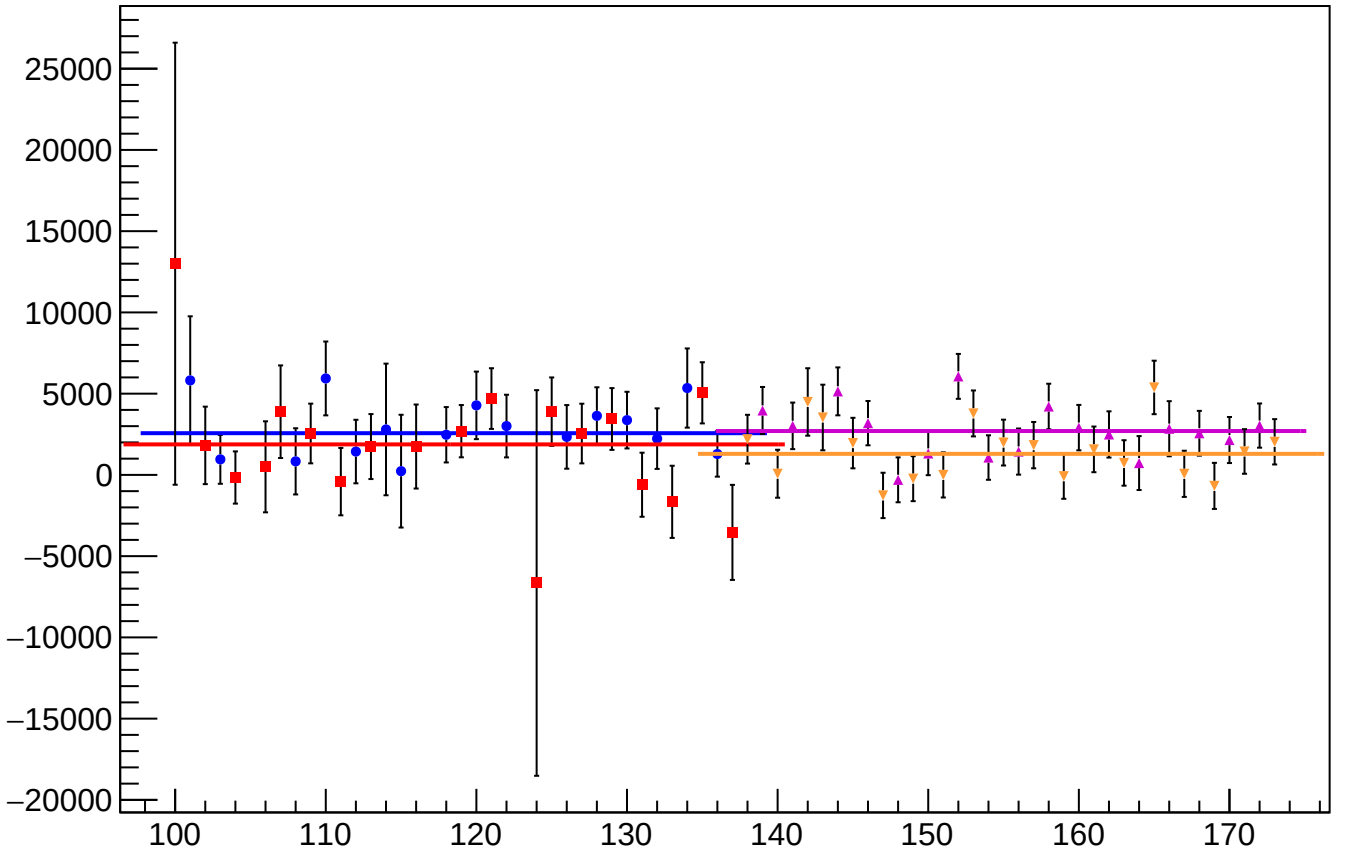
Left: 4470.838+/-0.610 χ^2/NDF: 3838771.0/35

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3708.814+/-0.621 χ^2/NDF:6563326.0/32

Out: 3373.418+/-0.561 χ^2/NDF:7740957.2/37

All: 3524.072+/-0.416 χ^2/NDF: 14465014.3/7



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1295.181+/-337.362 χ^2/NDF:24.1/18

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2699.822+/-345.171 χ^2/NDF:20.5/16

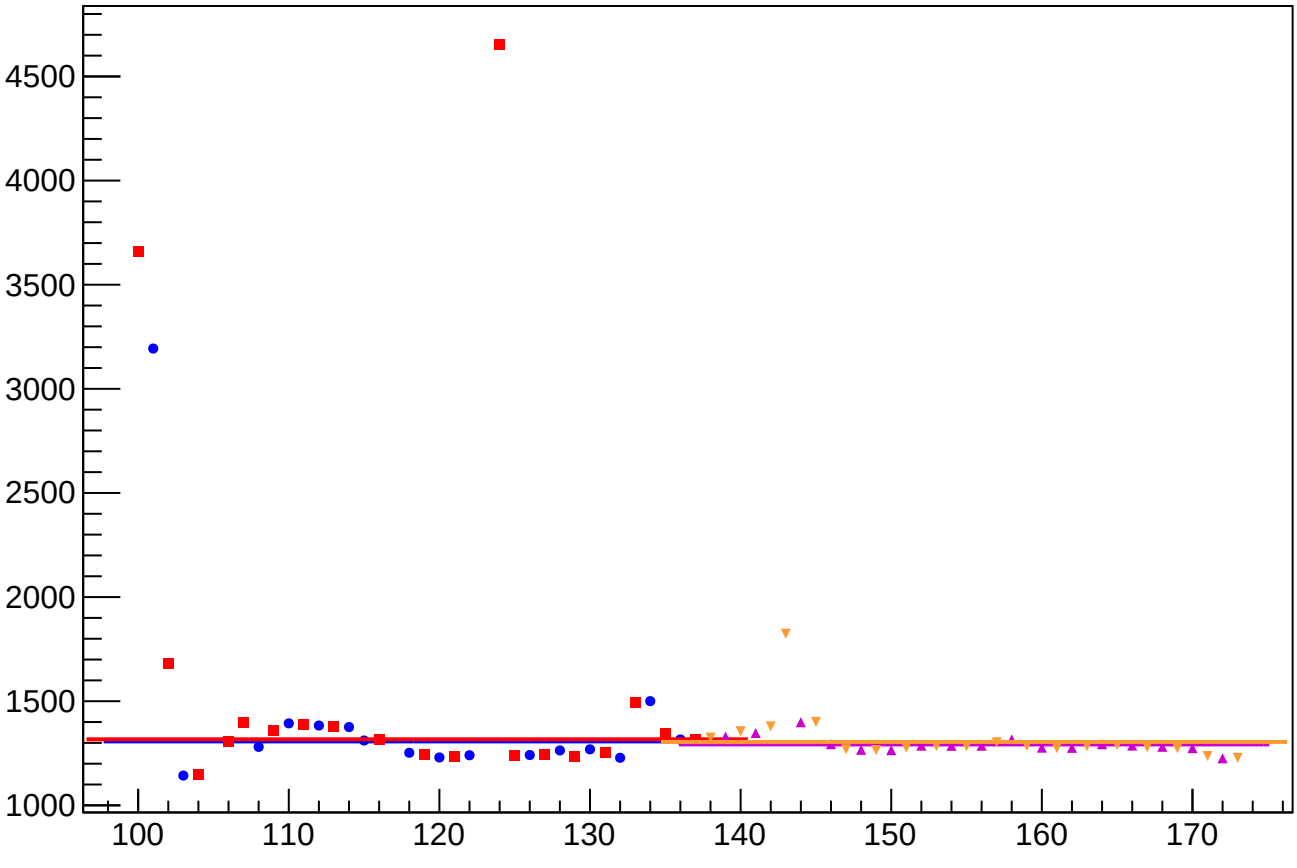
Left: 1981.434+/-241.265 χ^2/NDF: 53.0/35

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2656.469+/-283.200 χ^2/NDF:29.6/32

Out: 1480.106+/-278.724 χ^2/NDF:44.6/37

All: 2058.918+/-198.651 χ^2/NDF: 82.9/70



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1304.426+/-0.239 χ^2/NDF:164113.5/18

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1292.530+/-0.244 χ^2/NDF:22742.4/16

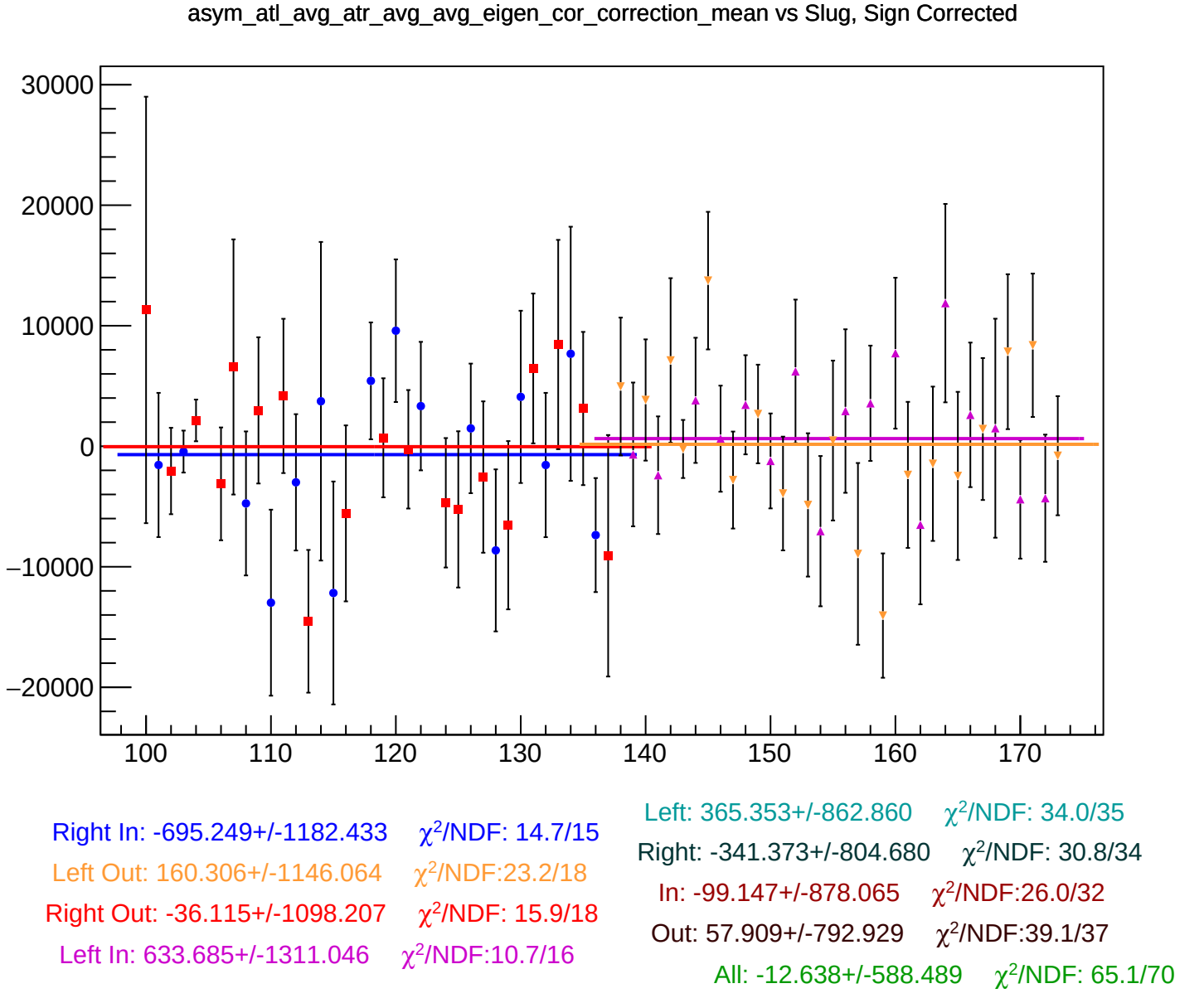
Left: 1298.614+/-0.171 χ^2/NDF: 188070.9/35

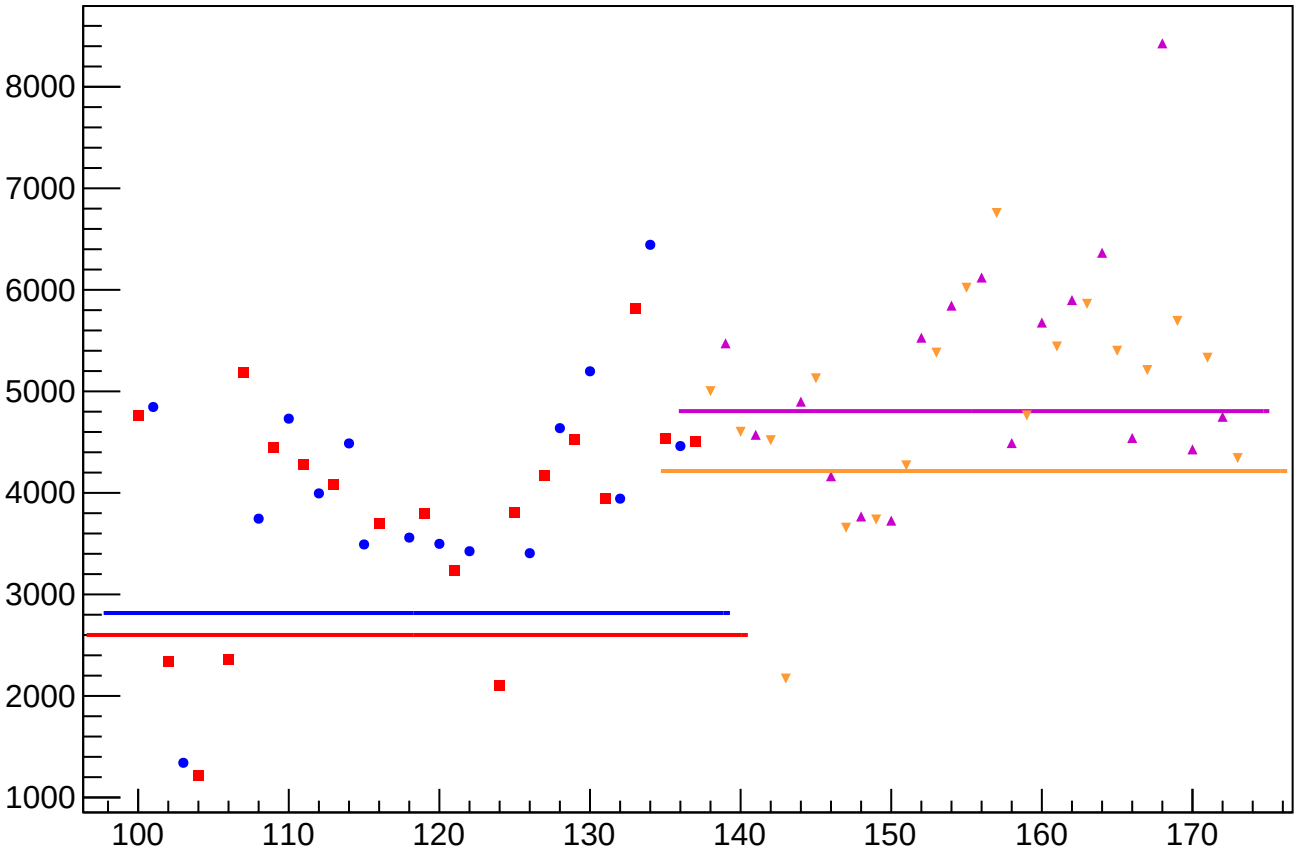
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1297.282+/-0.200 χ^2/NDF:540152.5/32

Out: 1308.469+/-0.197 χ^2/NDF:490942.5/37

All: 1302.968+/-0.140 χ^2/NDF: 1032681.2/70


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -695.249+/-1182.433 χ²/NDF: 14.7/15
Left Out: 160.306+/-1146.064 χ²/NDF:23.2/18
Right Out: -36.115+/-1098.207 χ²/NDF: 15.9/18
Left In: 633.685+/-1311.046 χ²/NDF:10.7/16
Left: 365.353+/-862.860 χ²/NDF: 34.0/35
Right: -341.373+/-804.680 χ²/NDF: 30.8/34
In: -99.147+/-878.065 χ²/NDF:26.0/32
Out: 57.909+/-792.929 χ²/NDF:39.1/37
All: -12.638+/-588.489 χ²/NDF: 65.1/70



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4215.141+/-0.810 χ^2/NDF:2590753.7/18

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4805.451+/-0.927 χ^2/NDF:1018182.4/16

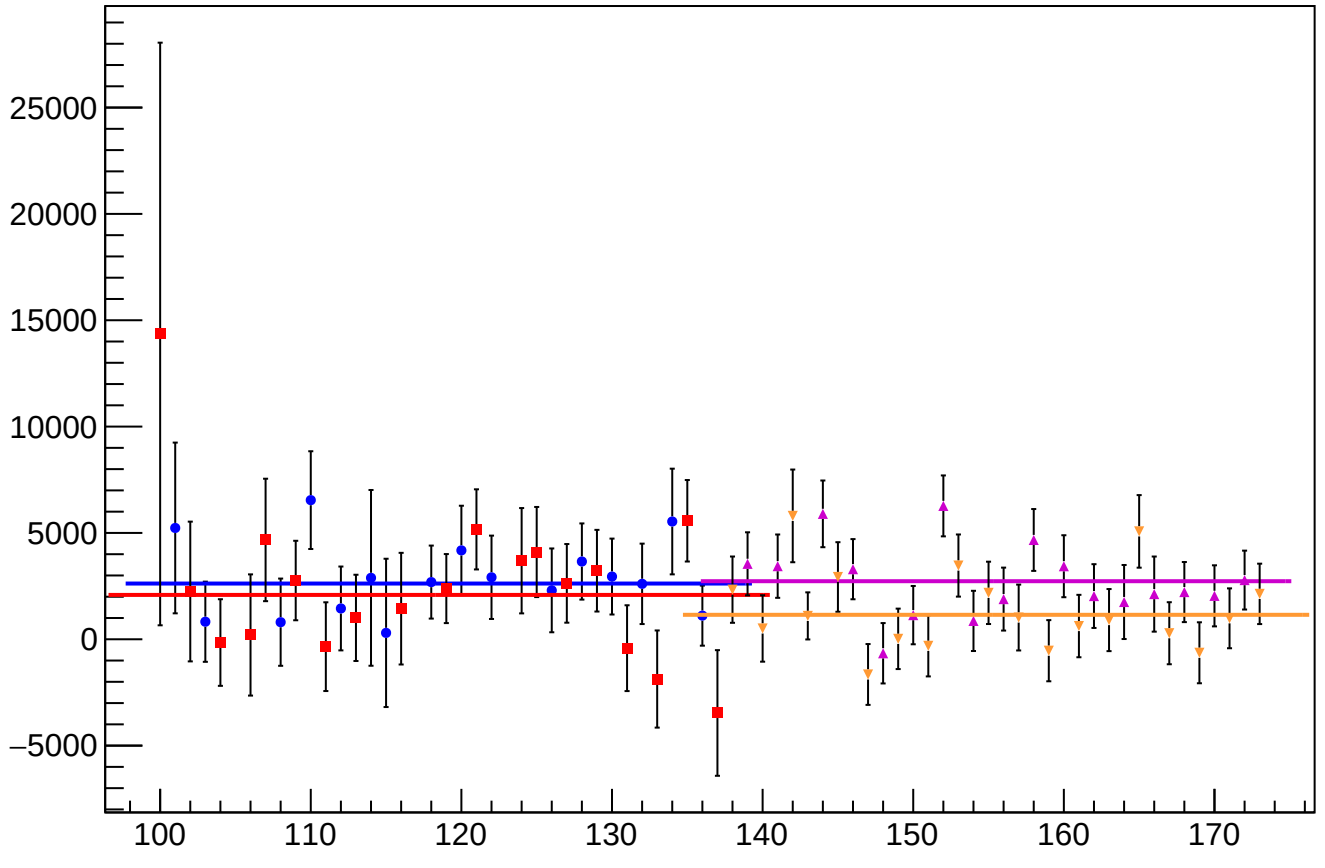
Left: 4470.838+/-0.610 χ^2/NDF: 3838771.0/35

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3708.814+/-0.621 χ^2/NDF:6563326.0/32

Out: 3373.418+/-0.561 χ^2/NDF:7740957.2/37

All: 3524.072+/-0.416 χ^2/NDF: 14465014.3/7



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1150.257+/-337.875 χ^2/NDF:24.2/18

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 2730.410+/-357.325 χ^2/NDF:23.0/16

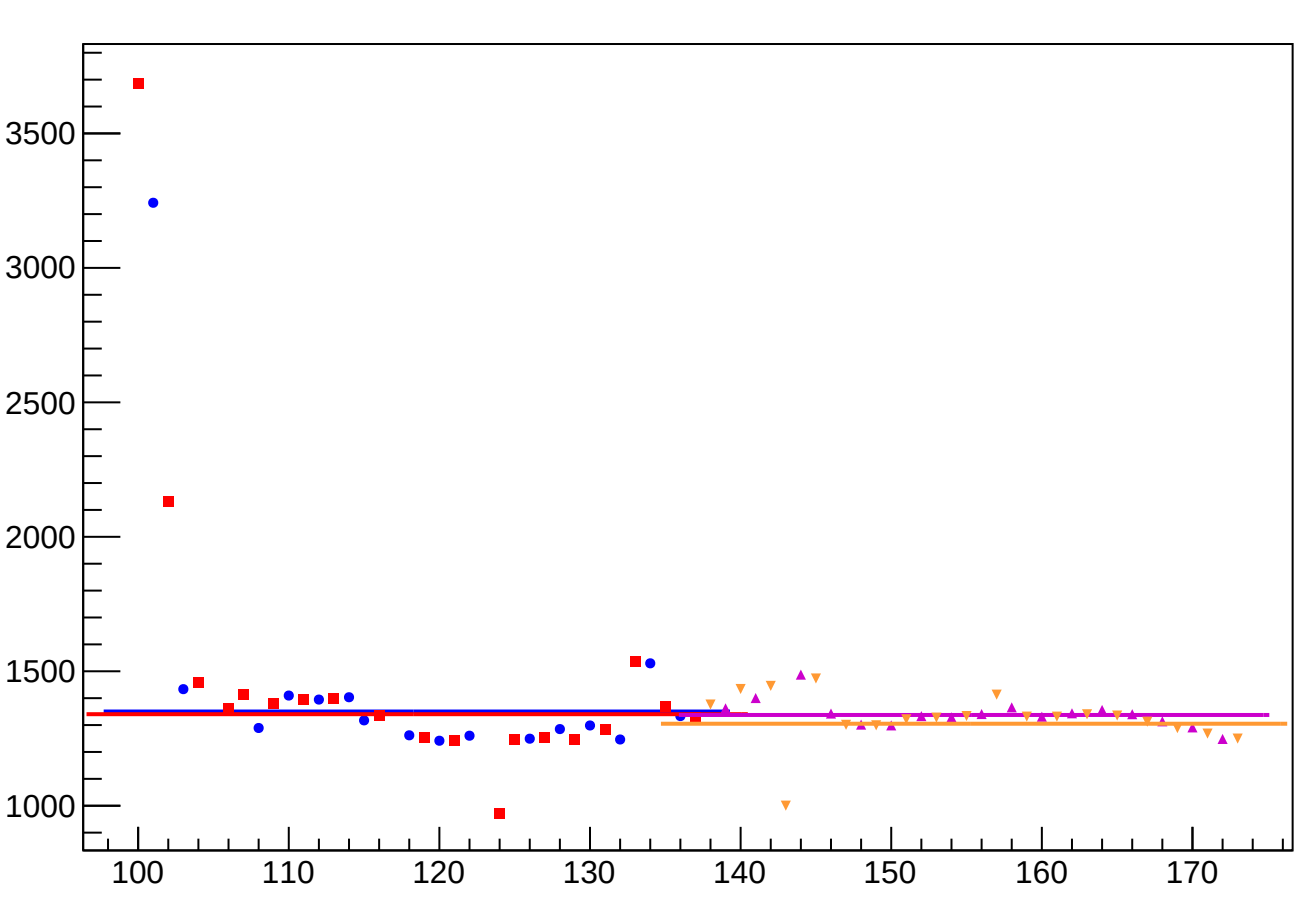
Left: 1896.161+/-245.502 χ^2/NDF: 57.6/35

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2694.376+/-292.929 χ^2/NDF:32.4/32

Out: 1439.587+/-280.797 χ^2/NDF:47.5/37

All: 2040.460+/-202.707 χ^2/NDF: 89.5/70



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1304.960+/-0.239 χ^2/NDF:217906.5/18

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1337.526+/-0.253 χ^2/NDF:37427.2/16

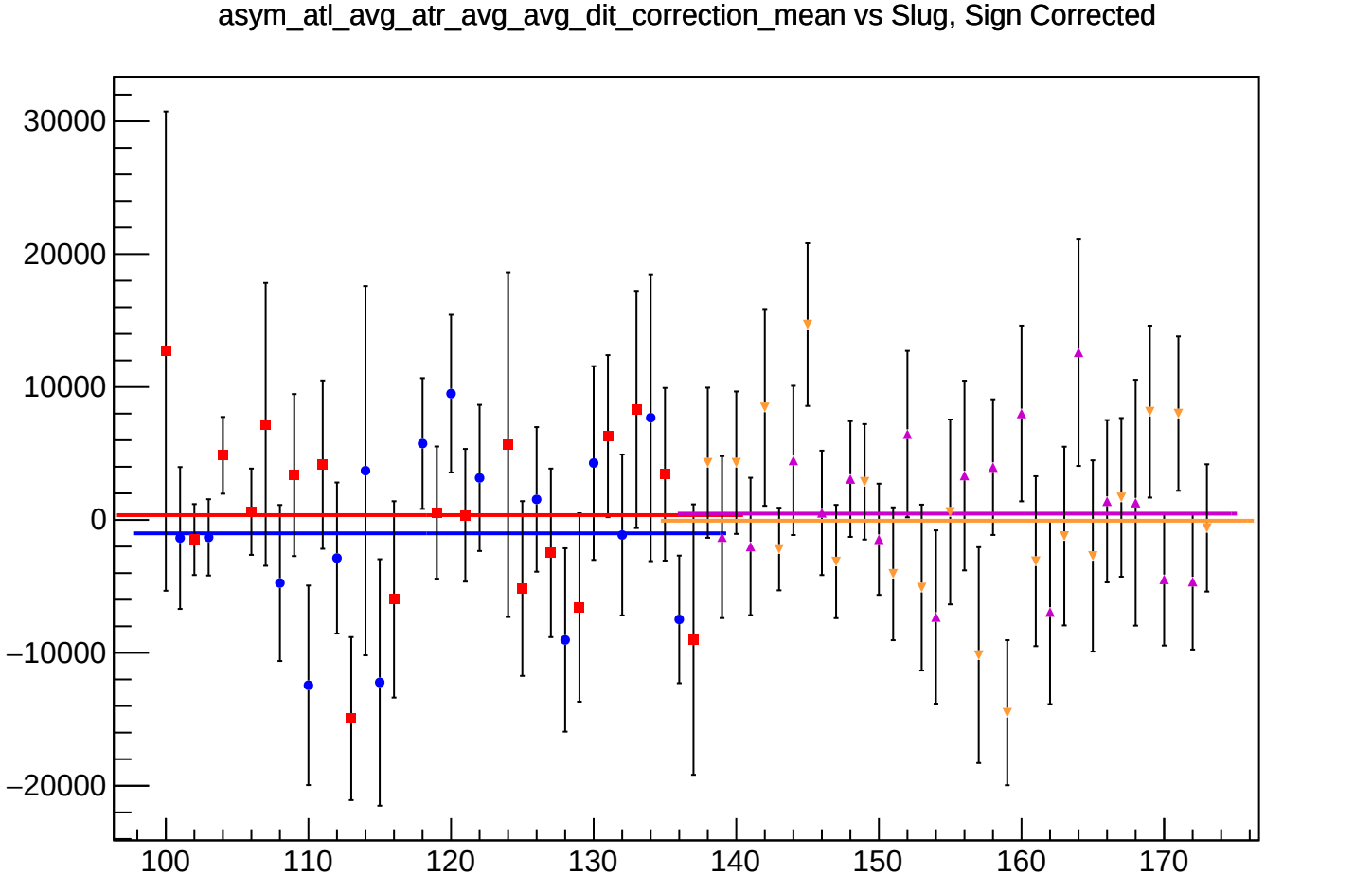
Left: 1320.333+/-0.174 χ^2/NDF: 264104.8/35

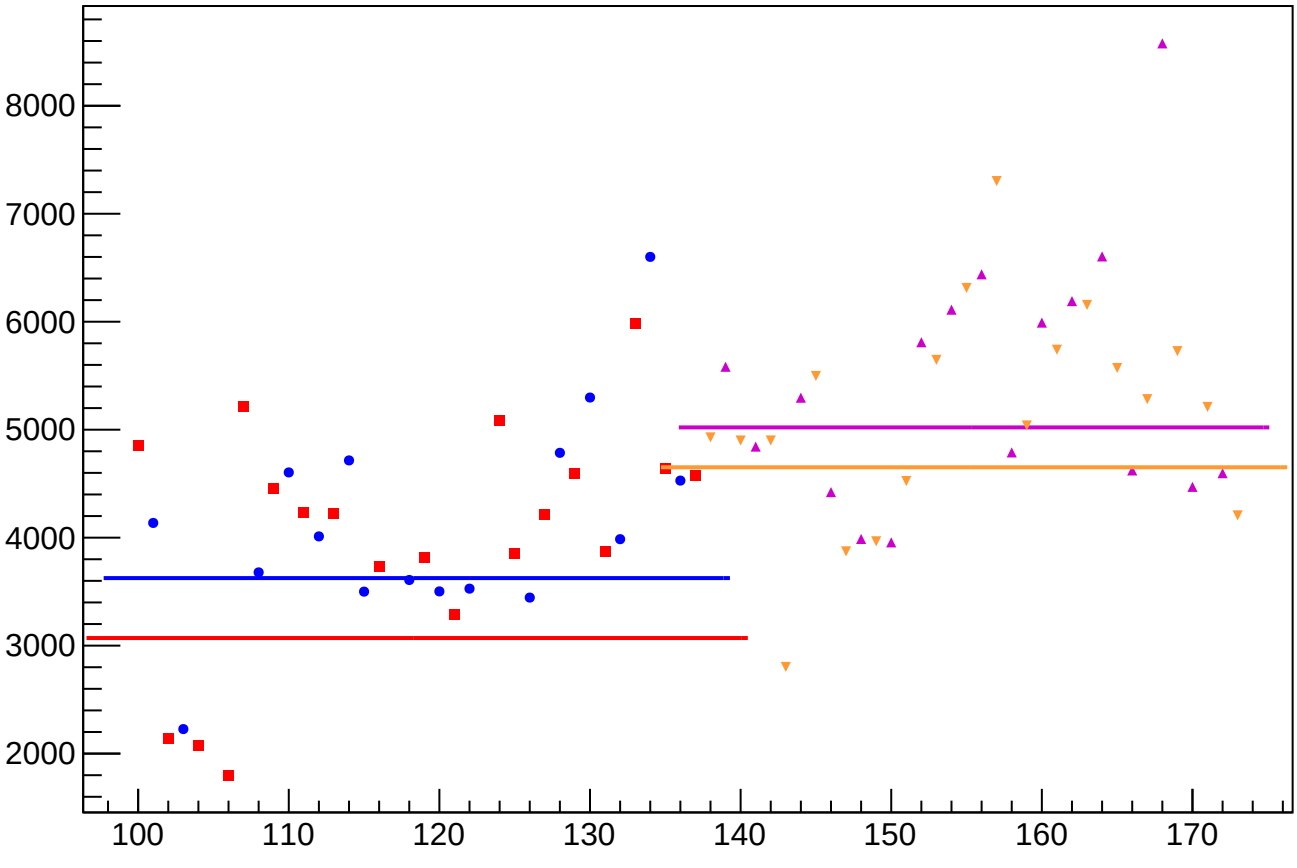
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

In: 1341.738+/-0.207 χ^2/NDF:532325.5/32

Out: 1315.941+/-0.199 χ^2/NDF:496913.6/37

All: 1328.292+/-0.143 χ^2/NDF: 1037324.4/70


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
170
Right In: -1006.752+/-1404.458 χ²/NDF: 14.6/15
Left Out: -57.516+/-1241.010 χ²/NDF:23.7/18
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: 474.844+/-1369.011 χ²/NDF:10.8/16
Left: 182.618+/-919.457 χ²/NDF: 34.7/35
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -247.021+/-980.329 χ²/NDF:26.0/32
Out: 160.138+/-863.589 χ²/NDF:40.0/37
All: -17.767+/-648.013 χ²/NDF: 66.1/70



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4651.804+/-0.878 χ^2/NDF:1568416.2/18

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 5021.056+/-0.968 χ^2/NDF:981633.6/16

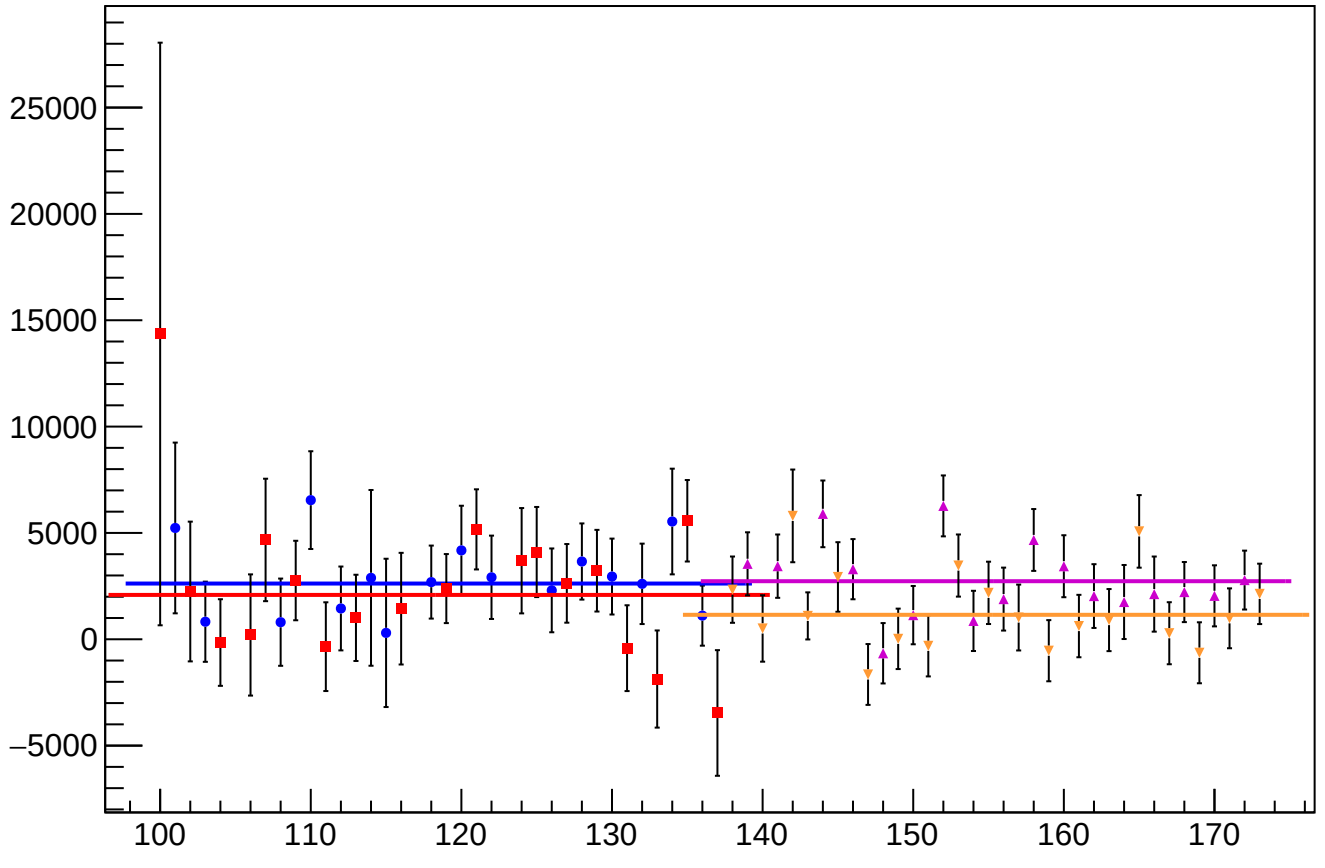
Left: 4818.365+/-0.650 χ^2/NDF: 2629918.1/35

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 4341.117+/-0.693 χ^2/NDF:2939119.6/32

Out: 3836.206+/-0.611 χ^2/NDF:5081969.2/37

All: 4056.823+/-0.458 χ^2/NDF: 8319812.2/70



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1150.253+/-337.876 χ^2/NDF:24.2/18

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 2730.411+/-357.325 χ^2/NDF:23.0/16

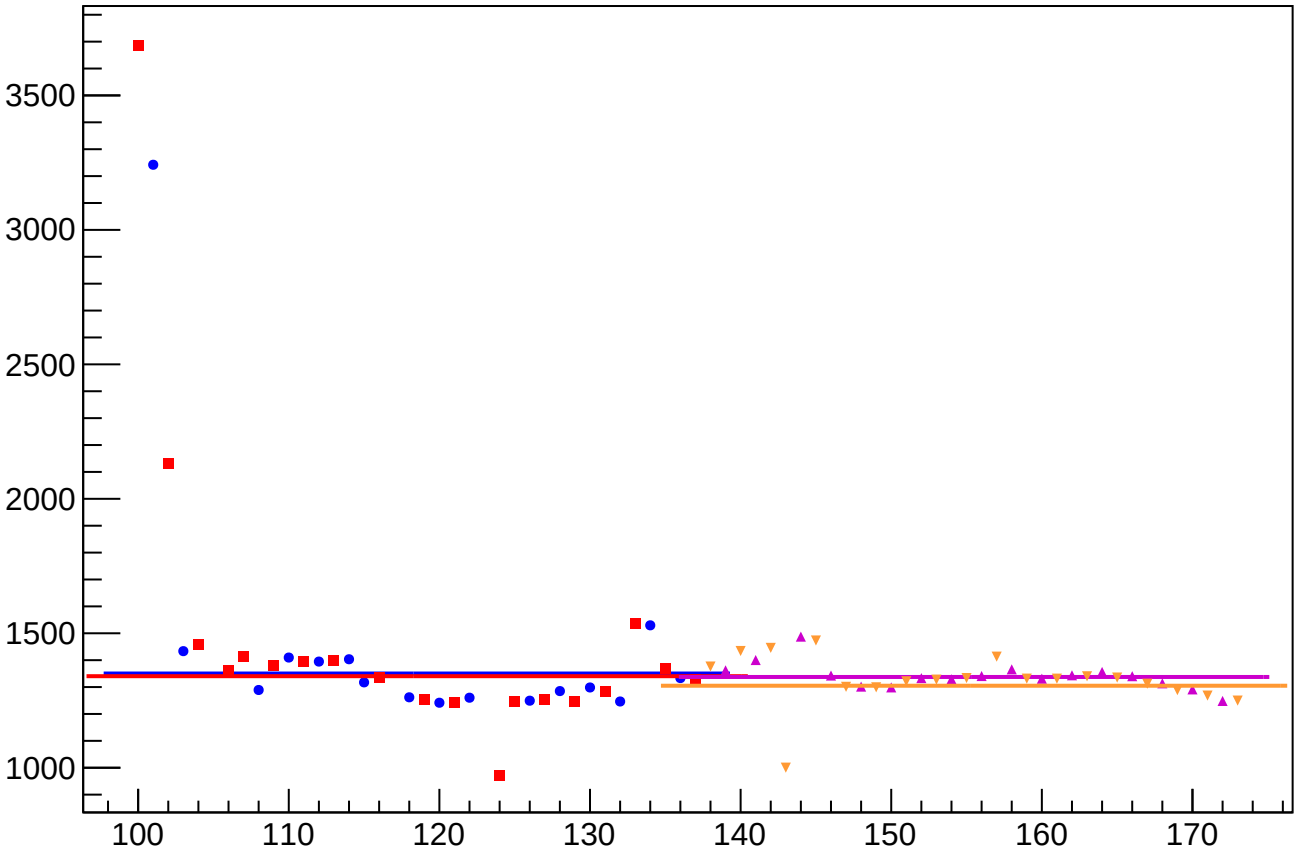
Left: 1896.159+/-245.502 χ^2/NDF: 57.6/35

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2694.377+/-292.929 χ^2/NDF:32.4/32

Out: 1439.585+/-280.797 χ^2/NDF:47.5/37

All: 2040.459+/-202.707 χ^2/NDF: 89.5/70



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1304.960+/-0.239 χ^2/NDF:217907.7/18

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1337.528+/-0.253 χ^2/NDF:37428.1/16

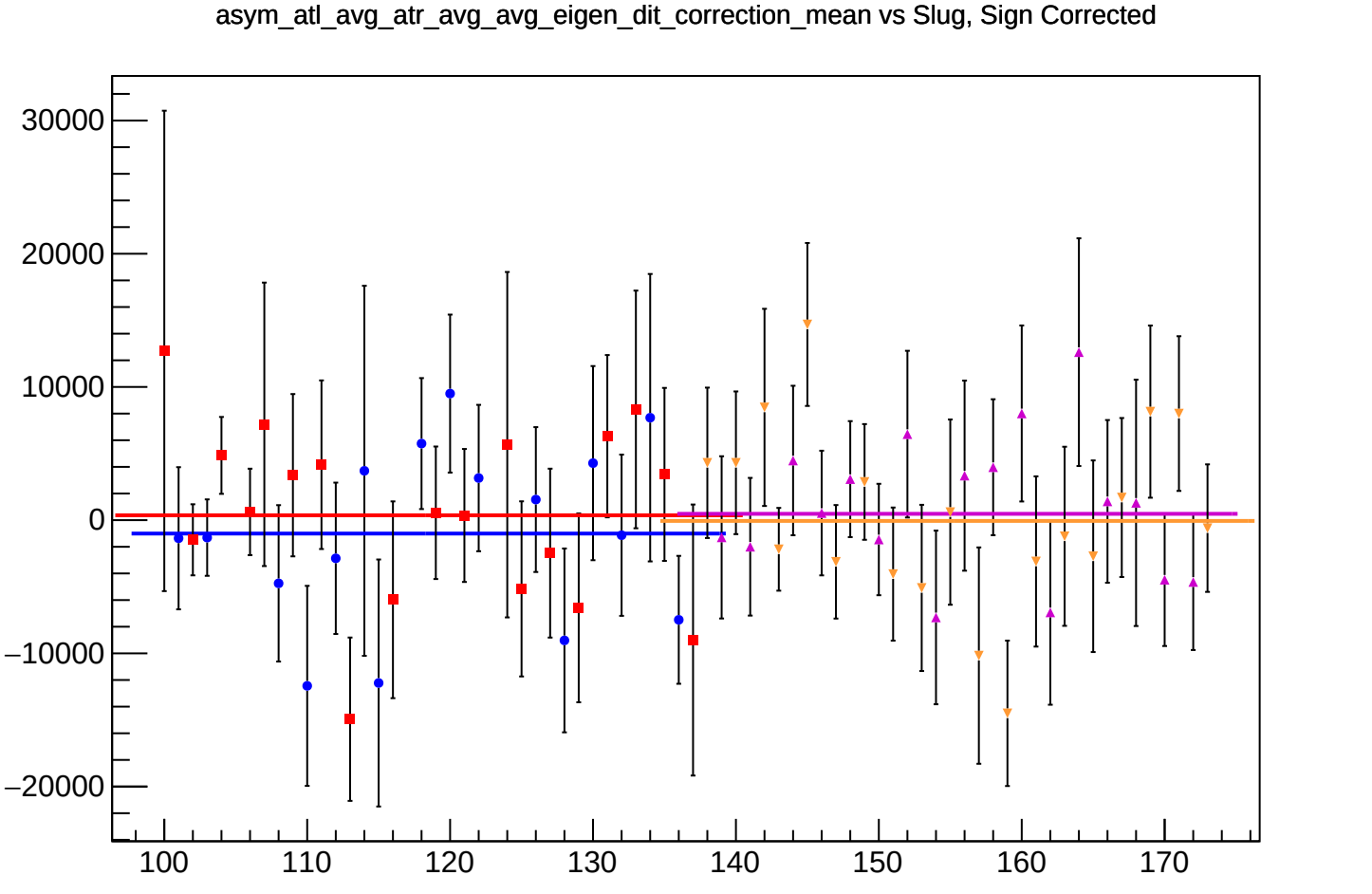
Left: 1320.334+/-0.174 χ^2/NDF: 264107.0/35

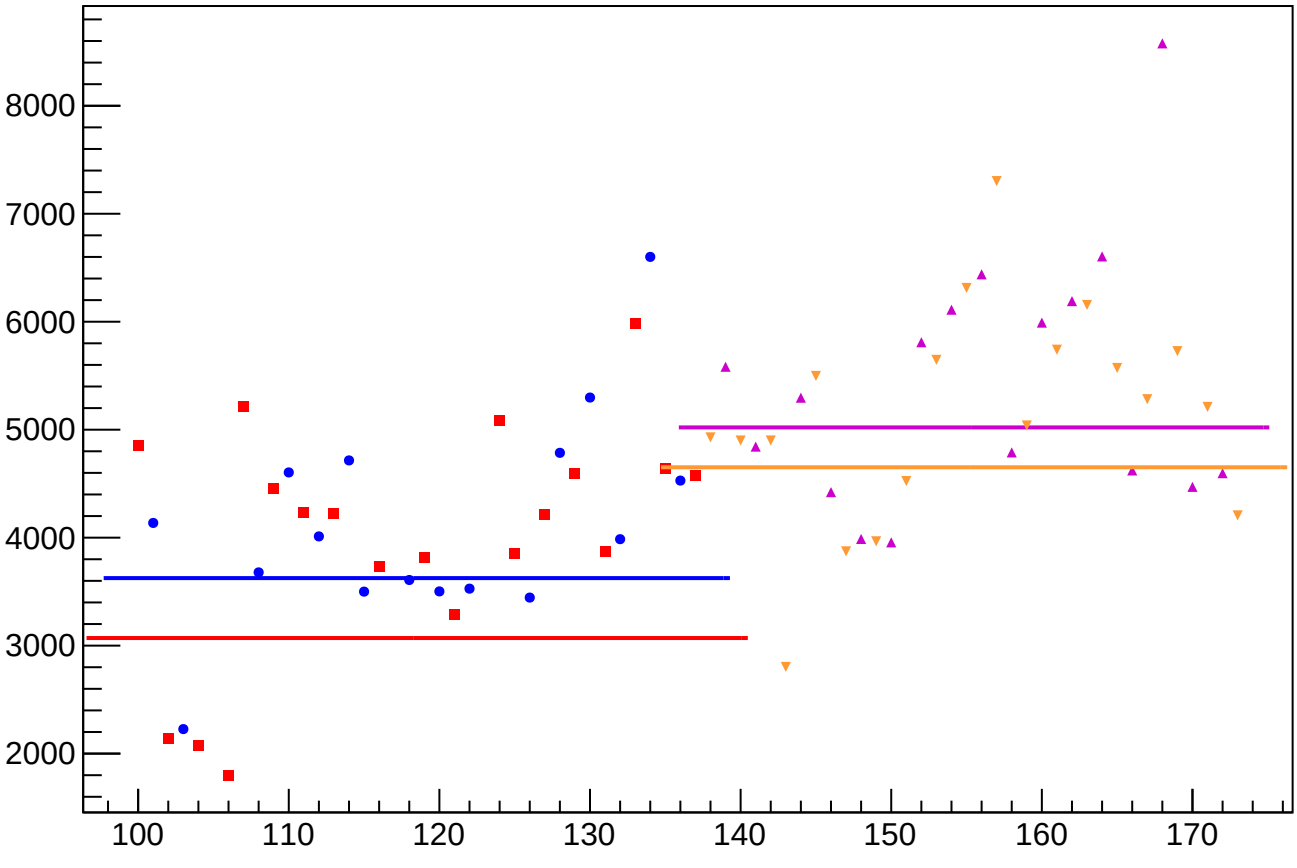
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

In: 1341.739+/-0.207 χ^2/NDF:532326.3/32

Out: 1315.941+/-0.199 χ^2/NDF:496913.3/37

All: 1328.292+/-0.143 χ^2/NDF: 1037325.1/70


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
170
Right In: -1006.742+/-1404.455 χ²/NDF: 14.6/15
Left Out: -57.519+/-1241.012 χ²/NDF:23.7/18
Right Out: 364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: 474.843+/-1369.013 χ²/NDF:10.8/16
Left: 182.616+/-919.459 χ²/NDF: 34.7/35
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: -247.020+/-980.329 χ²/NDF:26.0/32
Out: 160.138+/-863.588 χ²/NDF:40.0/37
All: -17.766+/-648.013 χ²/NDF: 66.1/70



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4651.812+/-0.878 χ^2/NDF:1568416.3/18

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 5021.063+/-0.968 χ^2/NDF:981635.4/16

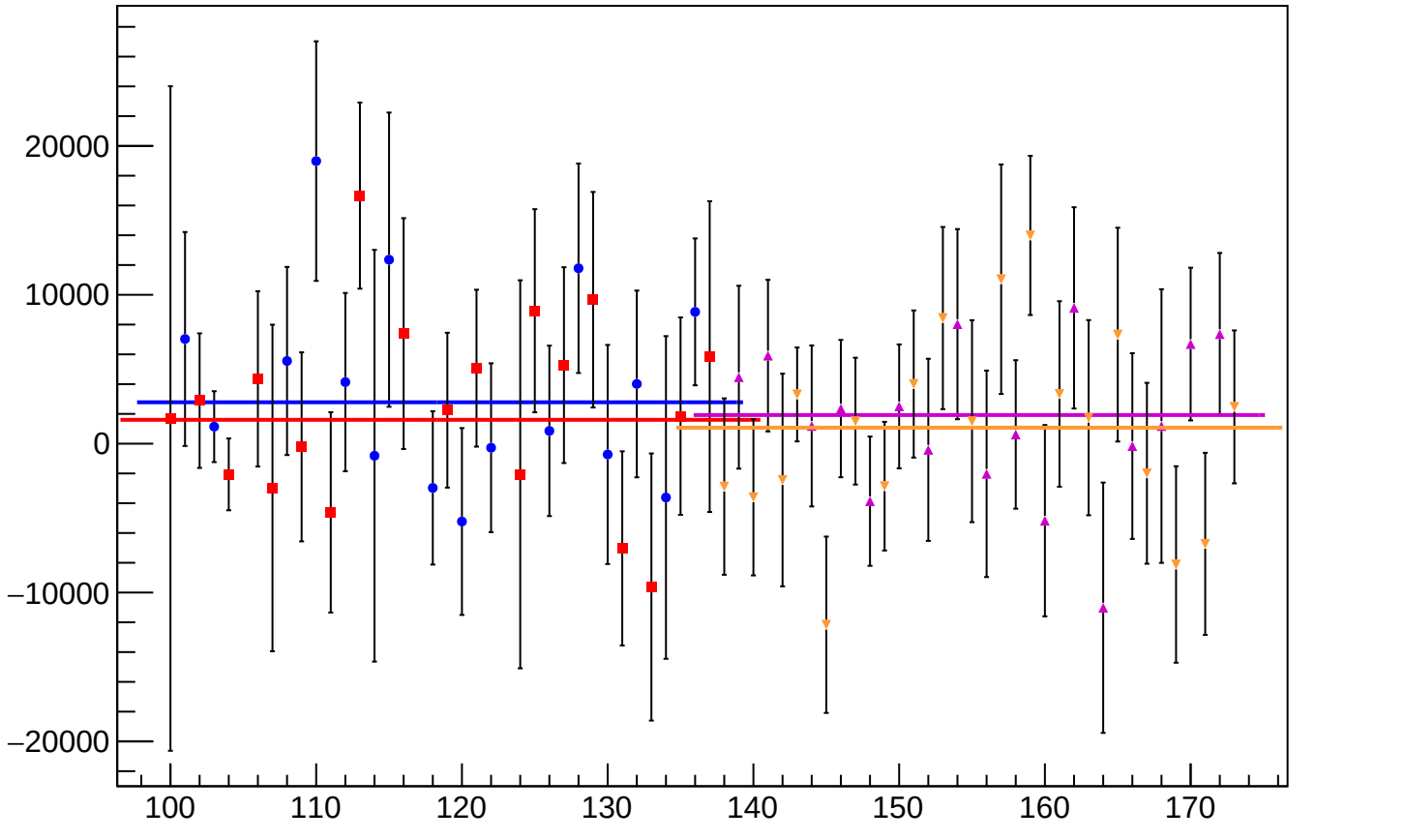
Left: 4818.372+/-0.650 χ^2/NDF: 2629919.6/35

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 4341.114+/-0.693 χ^2/NDF:2939148.0/32

Out: 3836.202+/-0.611 χ^2/NDF:5082007.7/37

All: 4056.819+/-0.458 χ^2/NDF: 8319880.3/70



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1074.855+/-1243.845 χ^2/NDF:21.9/18

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 1923.667+/-1362.417 χ^2/NDF:10.8/16

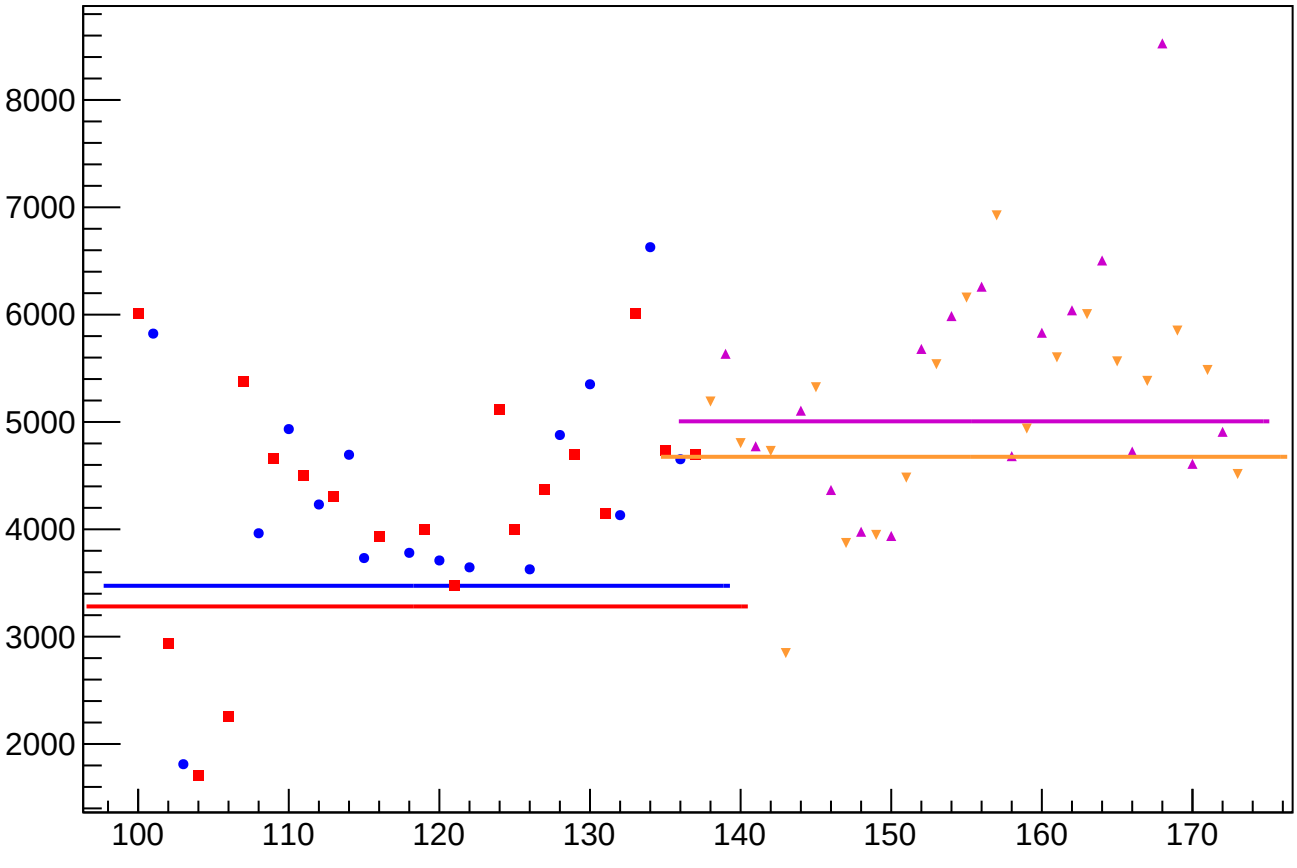
Left: 1460.724+/-918.596 χ^2/NDF: 32.9/35

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2343.856+/-972.788 χ^2/NDF:24.1/32

Out: 1319.712+/-910.690 χ^2/NDF:38.8/37

All: 1798.055+/-664.825 χ^2/NDF: 63.5/70



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4675.608+/-0.880 χ^2/NDF:1438263.8/18

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 5005.955+/-0.963 χ^2/NDF:907177.8/16

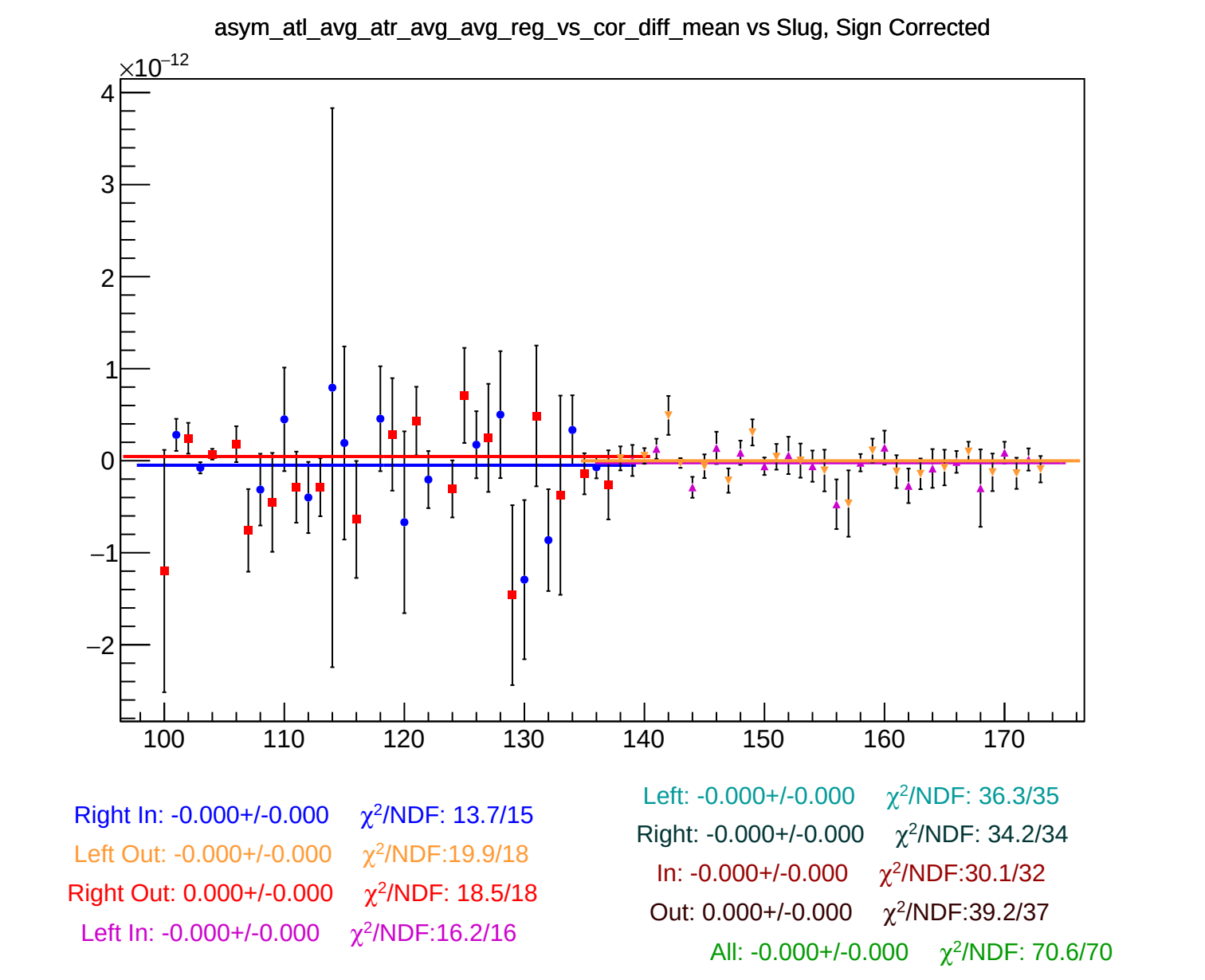
Left: 4825.784+/-0.650 χ^2/NDF: 2409572.4/35

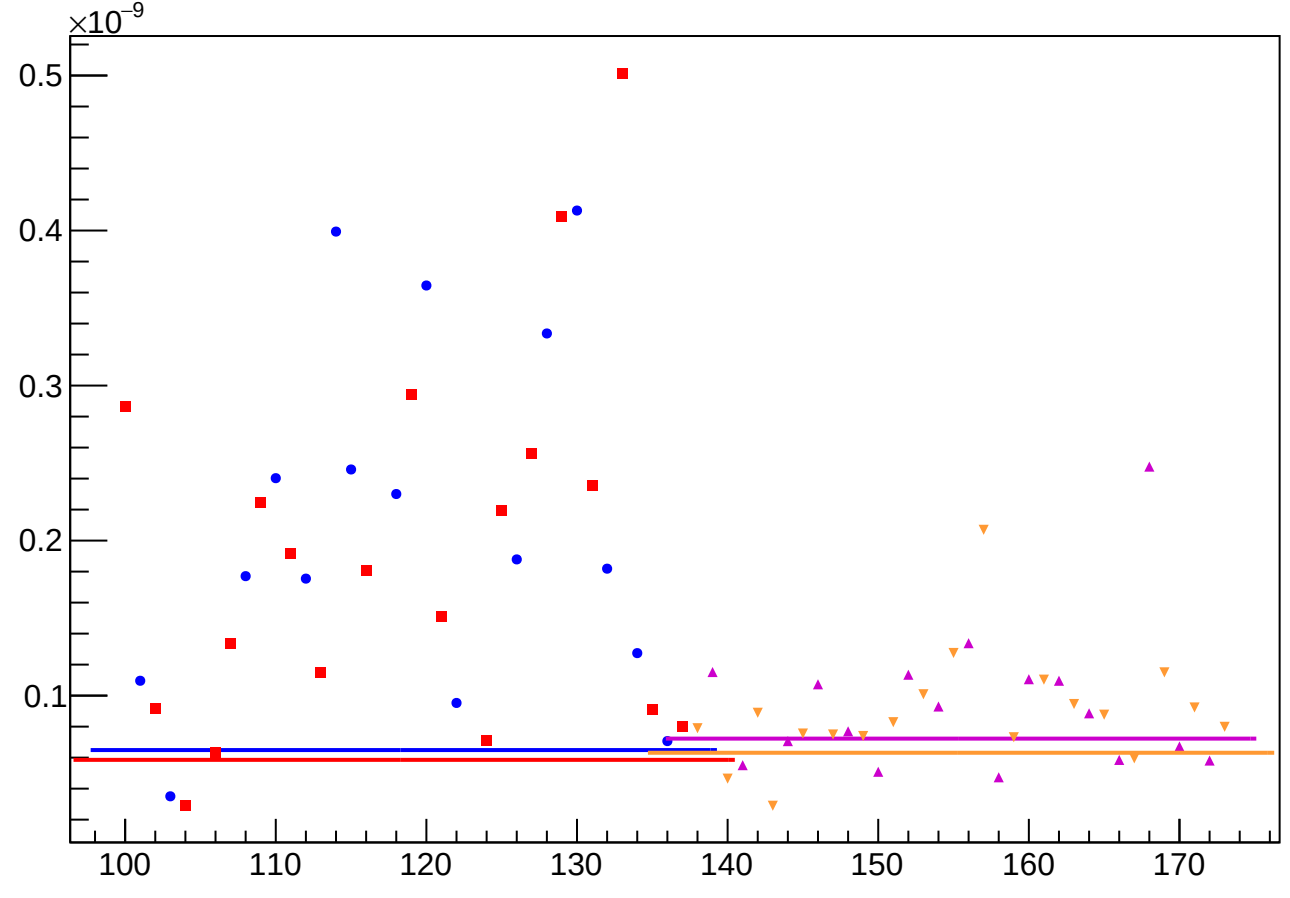
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 4254.963+/-0.688 χ^2/NDF:3990852.2/32

Out: 4019.257+/-0.640 χ^2/NDF:4496628.2/37

All: 4128.593+/-0.468 χ^2/NDF: 8550433.0/70


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
170
Right In: -0.000+/-0.000 χ²/NDF: 13.7/15
Left Out: -0.000+/-0.000 χ²/NDF:19.9/18
Right Out: 0.000+/-0.000 χ²/NDF: 18.5/18
Left In: -0.000+/-0.000 χ²/NDF:16.2/16
Left: -0.000+/-0.000 χ²/NDF: 36.3/35
Right: -0.000+/-0.000 χ²/NDF: 34.2/34
In: -0.000+/-0.000 χ²/NDF:30.1/32
Out: 0.000+/-0.000 χ²/NDF:39.2/37
All: -0.000+/-0.000 χ²/NDF: 70.6/70



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2093503.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1302332.4/16

Left: 0.000+/-0.000 χ^2/NDF: 3480278.5/35

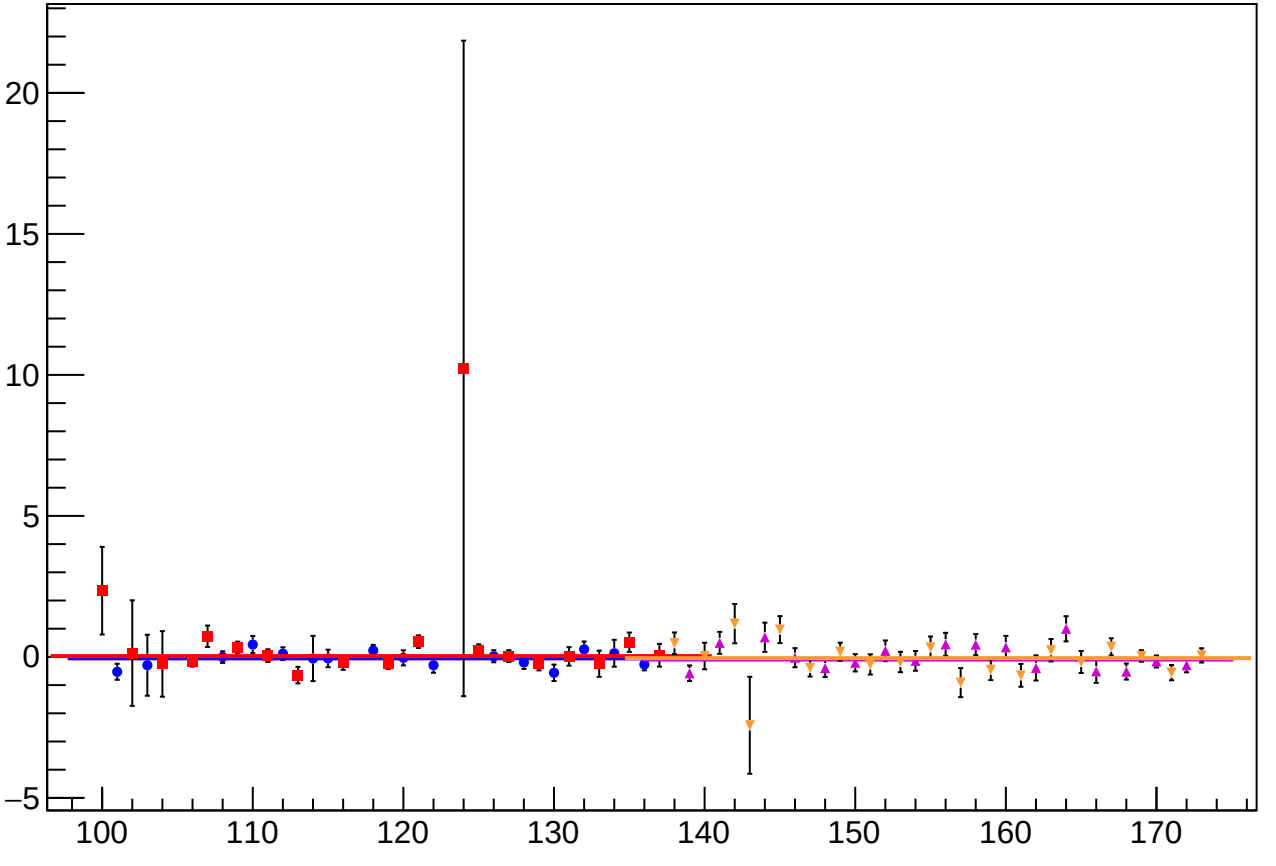
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:3926463.8/32

Out: 0.000+/-0.000 χ^2/NDF:4962157.5/37

All: 0.000+/-0.000 χ^2/NDF: 8980507.3/70

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: -0.044+/-0.080 χ^2/NDF:27.3/18

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.094+/-0.081 χ^2/NDF:24.8/16

Left: -0.069+/-0.057 χ^2/NDF: 52.3/35

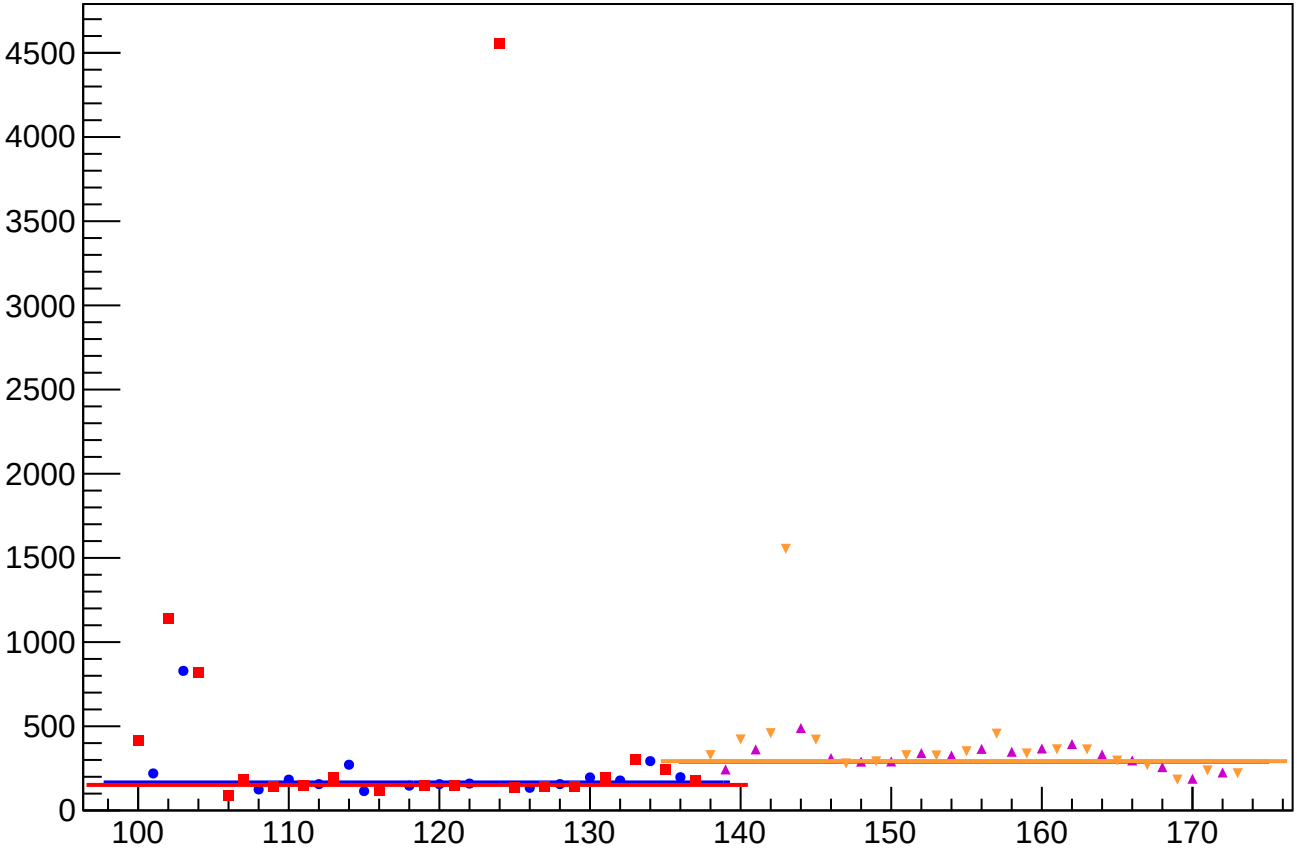
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.069+/-0.051 χ^2/NDF:39.9/32

Out: 0.001+/-0.050 χ^2/NDF:55.3/37

All: -0.033+/-0.036 χ^2/NDF: 96.1/70

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: 292.948+/-0.057 χ^2/NDF:2766247.0/18

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 289.781+/-0.057 χ^2/NDF:1421221.9/16

Left: 291.369+/-0.040 χ^2/NDF: 4189012.5/35

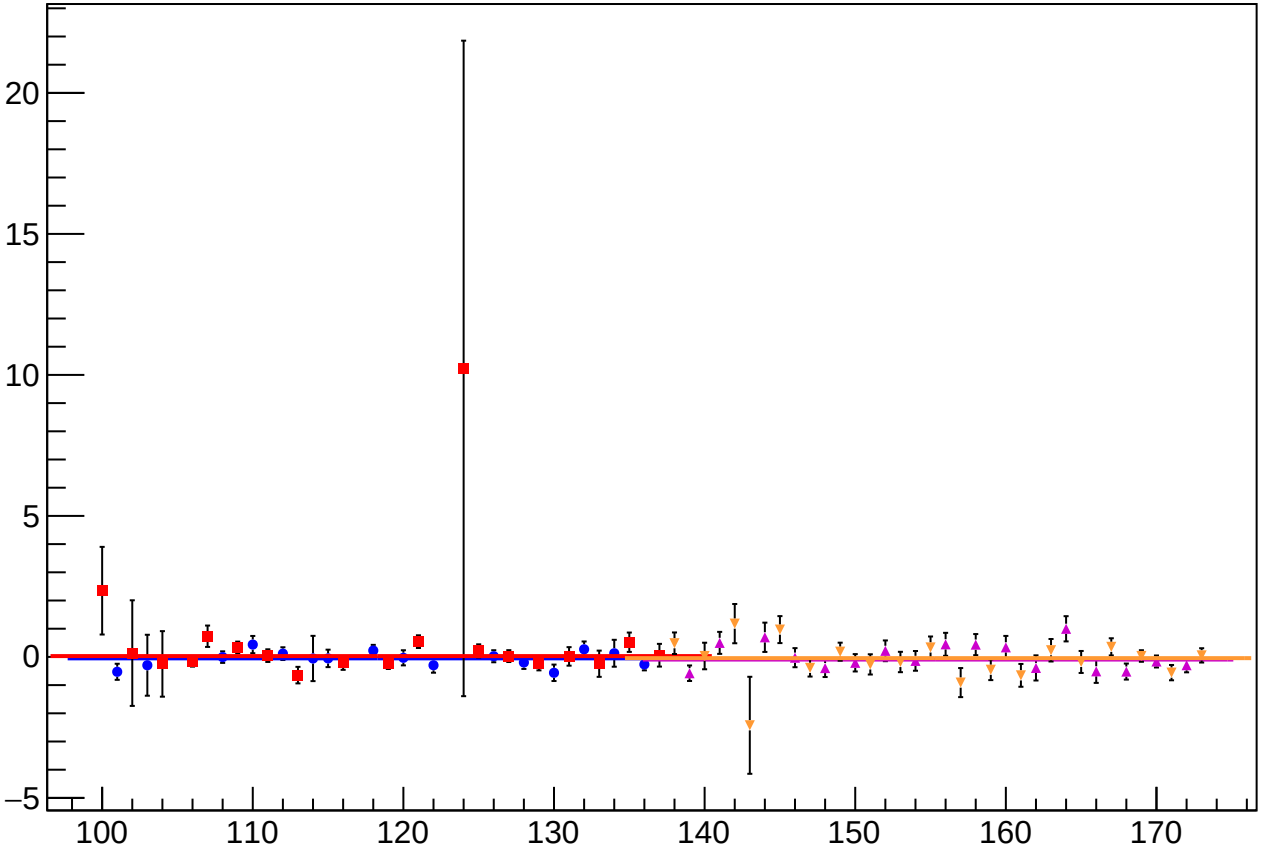
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 216.481+/-0.036 χ^2/NDF:5482538.0/32

Out: 206.497+/-0.035 χ^2/NDF:8849807.8/37

All: 211.359+/-0.025 χ^2/NDF: 14371017.7/70

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: -0.044+/-0.080 χ^2/NDF:27.3/18

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.094+/-0.081 χ^2/NDF:24.8/16

Left: -0.069+/-0.057 χ^2/NDF: 52.3/35

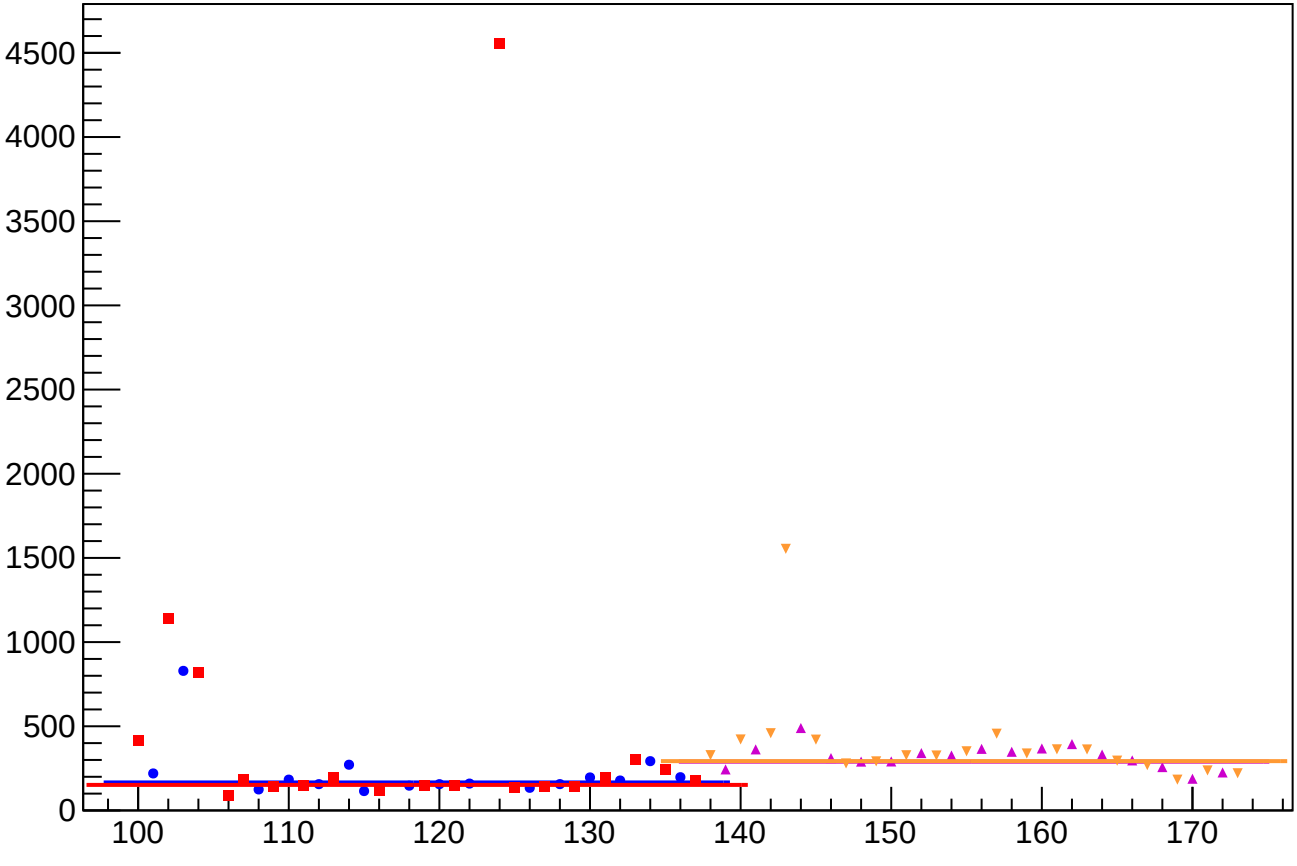
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.069+/-0.051 χ^2/NDF:39.9/32

Out: 0.001+/-0.050 χ^2/NDF:55.3/37

All: -0.033+/-0.036 χ^2/NDF: 96.1/70

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: 292.948+/-0.057 χ^2/NDF:2766247.0/18

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 289.781+/-0.057 χ^2/NDF:1421221.9/16

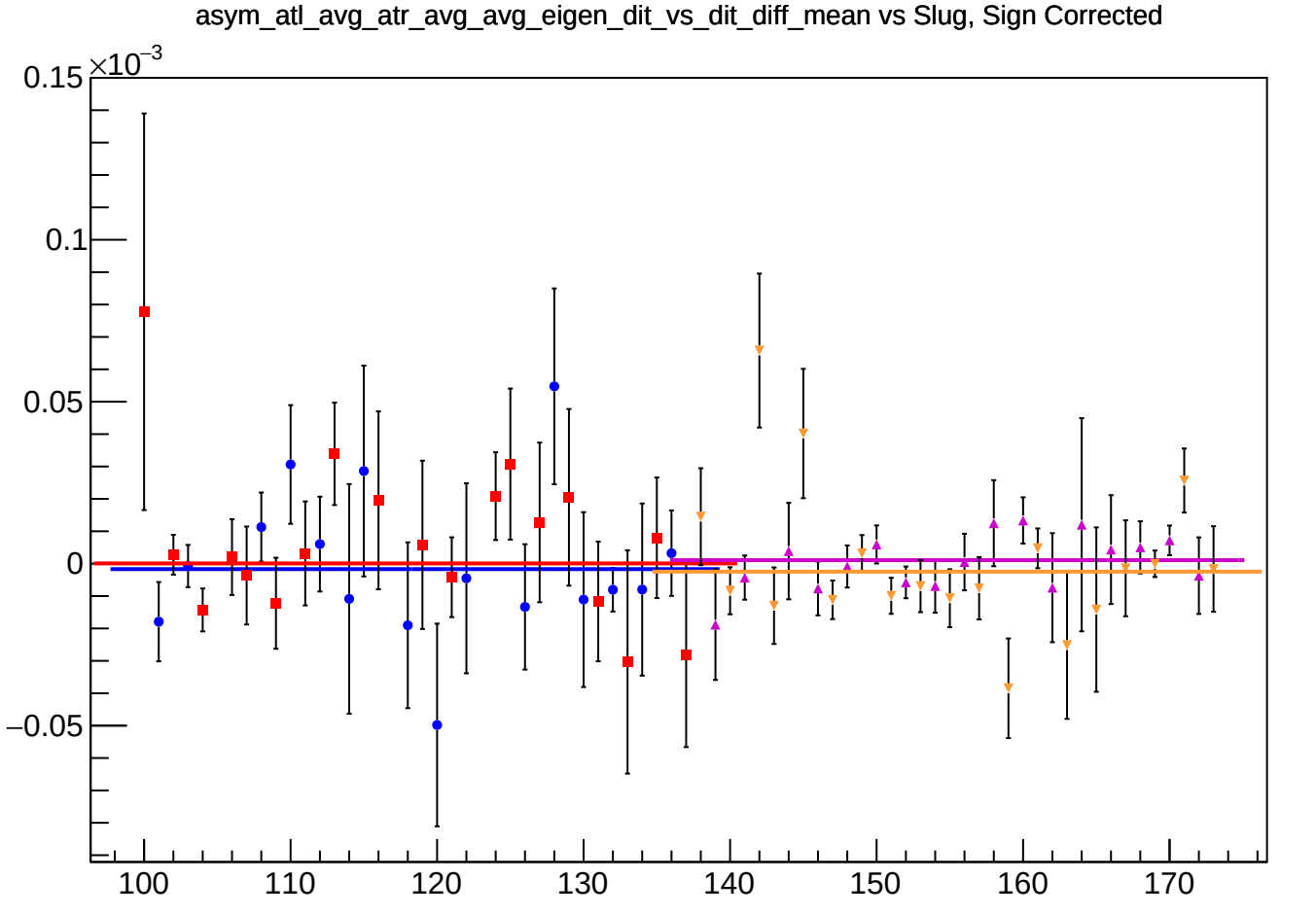
Left: 291.369+/-0.040 χ^2/NDF: 4189012.5/35

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 216.481+/-0.036 χ^2/NDF:5482538.0/32

Out: 206.497+/-0.035 χ^2/NDF:8849807.8/37

All: 211.359+/-0.025 χ^2/NDF: 14371017.7/70



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:13.1/16

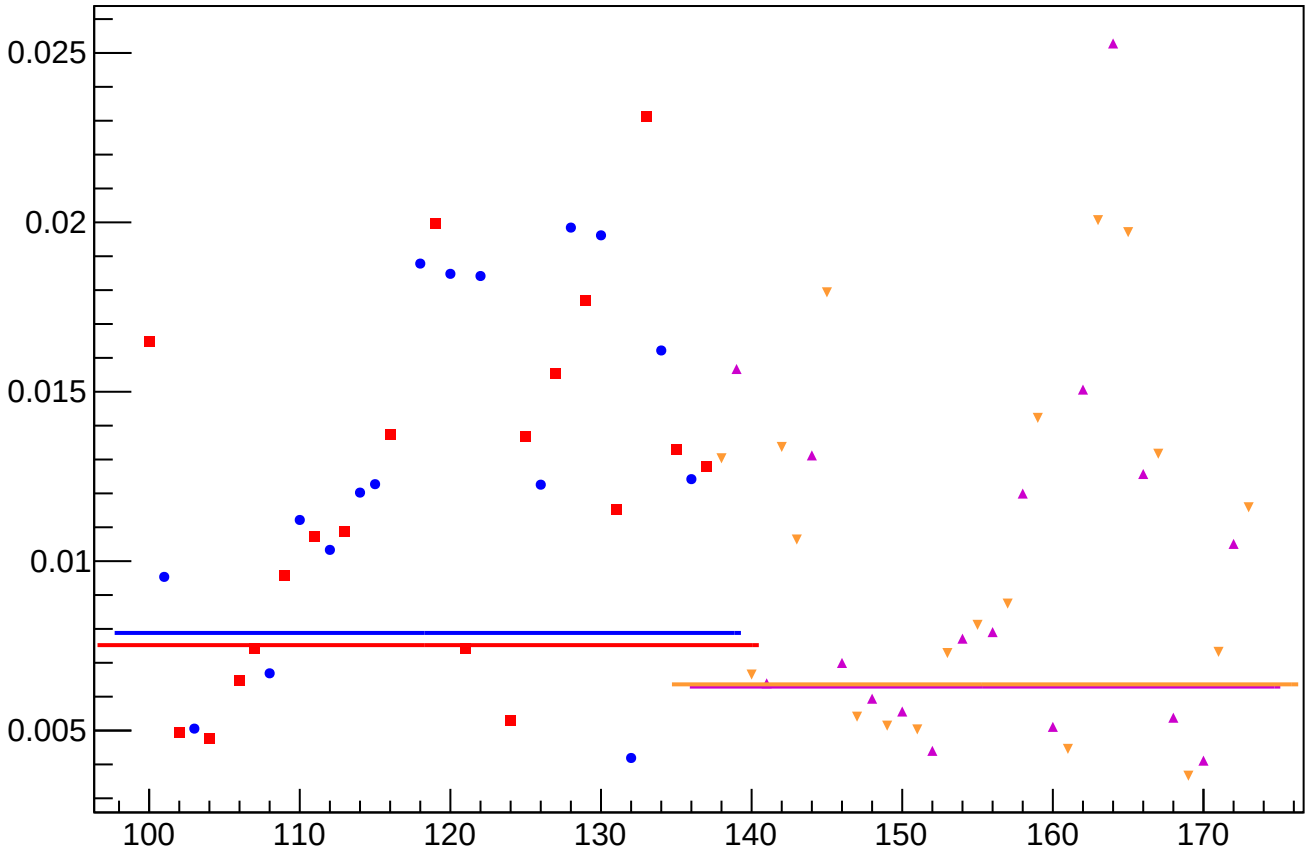
Left: -0.000+/-0.000 χ^2/NDF: 53.3/35

Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:29.0/32

Out: -0.000+/-0.000 χ^2/NDF:58.8/37

All: -0.000+/-0.000 χ^2/NDF: 88.8/70



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:5614402.4/18

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.006+/-0.000 χ^2/NDF:4148594.2/16

Left: 0.006+/-0.000 χ^2/NDF: 9764201.3/35

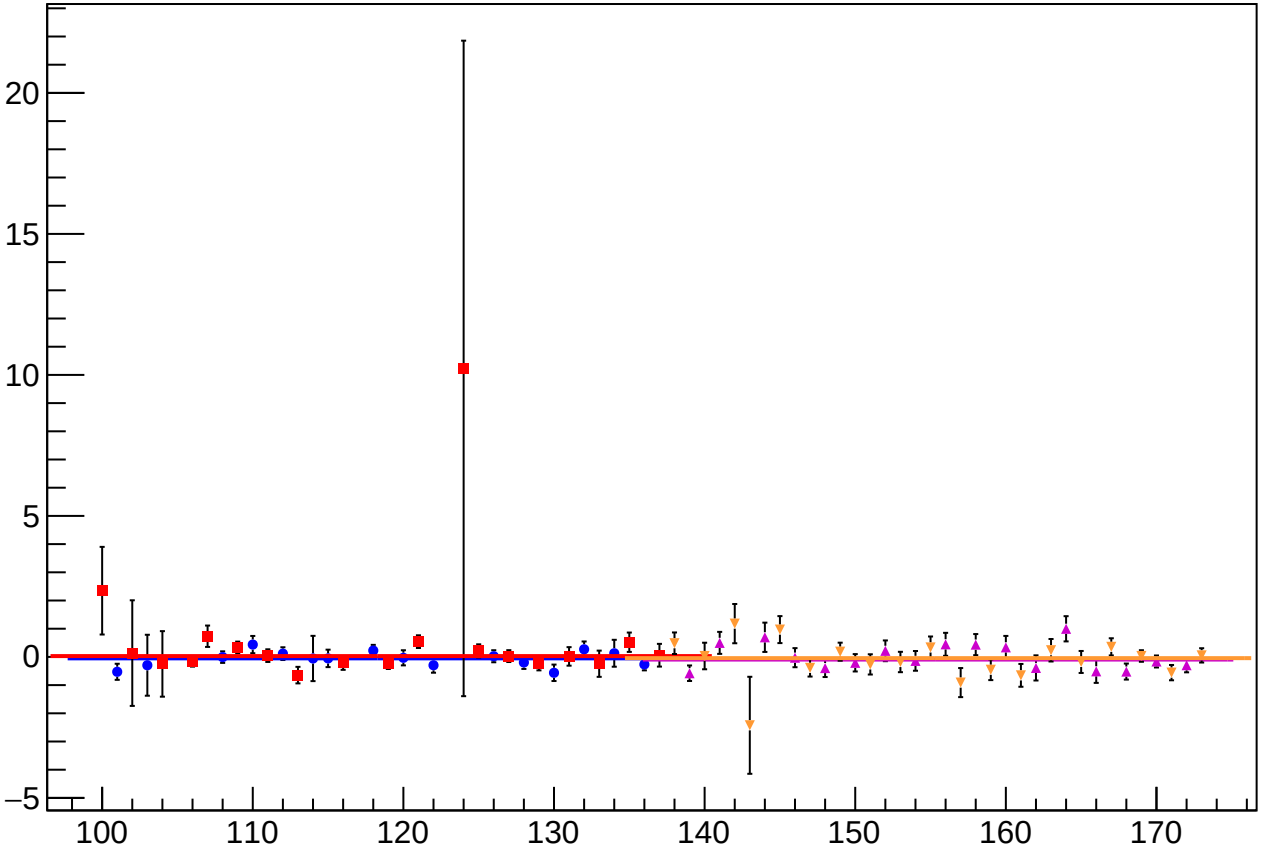
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:7778959.8/32

Out: 0.007+/-0.000 χ^2/NDF:8789823.4/37

All: 0.007+/-0.000 χ^2/NDF: 16568823.4/70

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: -0.044+/-0.080 χ^2/NDF:27.3/18

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.094+/-0.081 χ^2/NDF:24.8/16

Left: -0.069+/-0.057 χ^2/NDF: 52.3/35

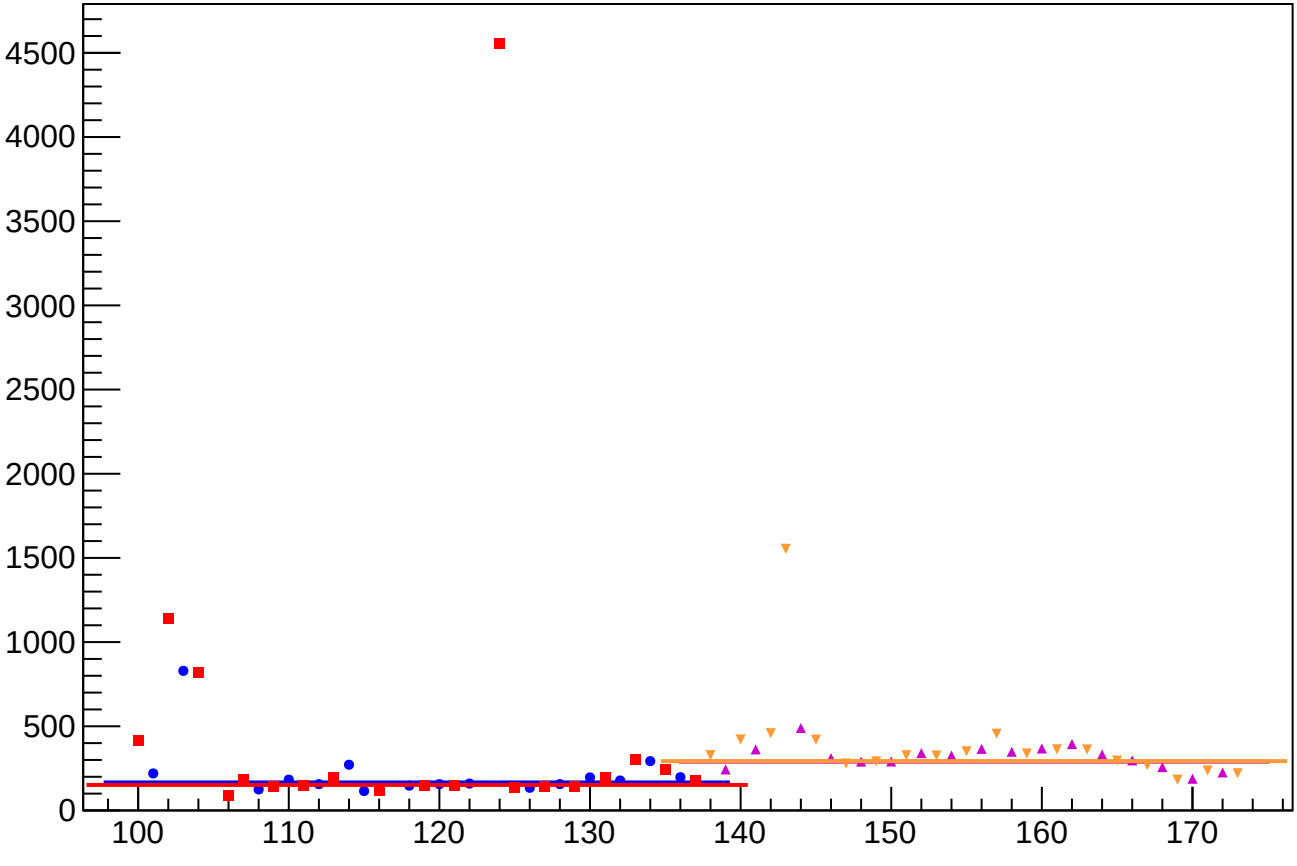
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.069+/-0.051 χ^2/NDF:39.9/32

Out: 0.001+/-0.050 χ^2/NDF:55.3/37

All: -0.033+/-0.036 χ^2/NDF: 96.1/70

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: 292.947+/-0.057 χ^2/NDF:2766409.6/18

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 289.783+/-0.057 χ^2/NDF:1421310.0/16

Left: 291.370+/-0.040 χ^2/NDF: 4189261.3/35

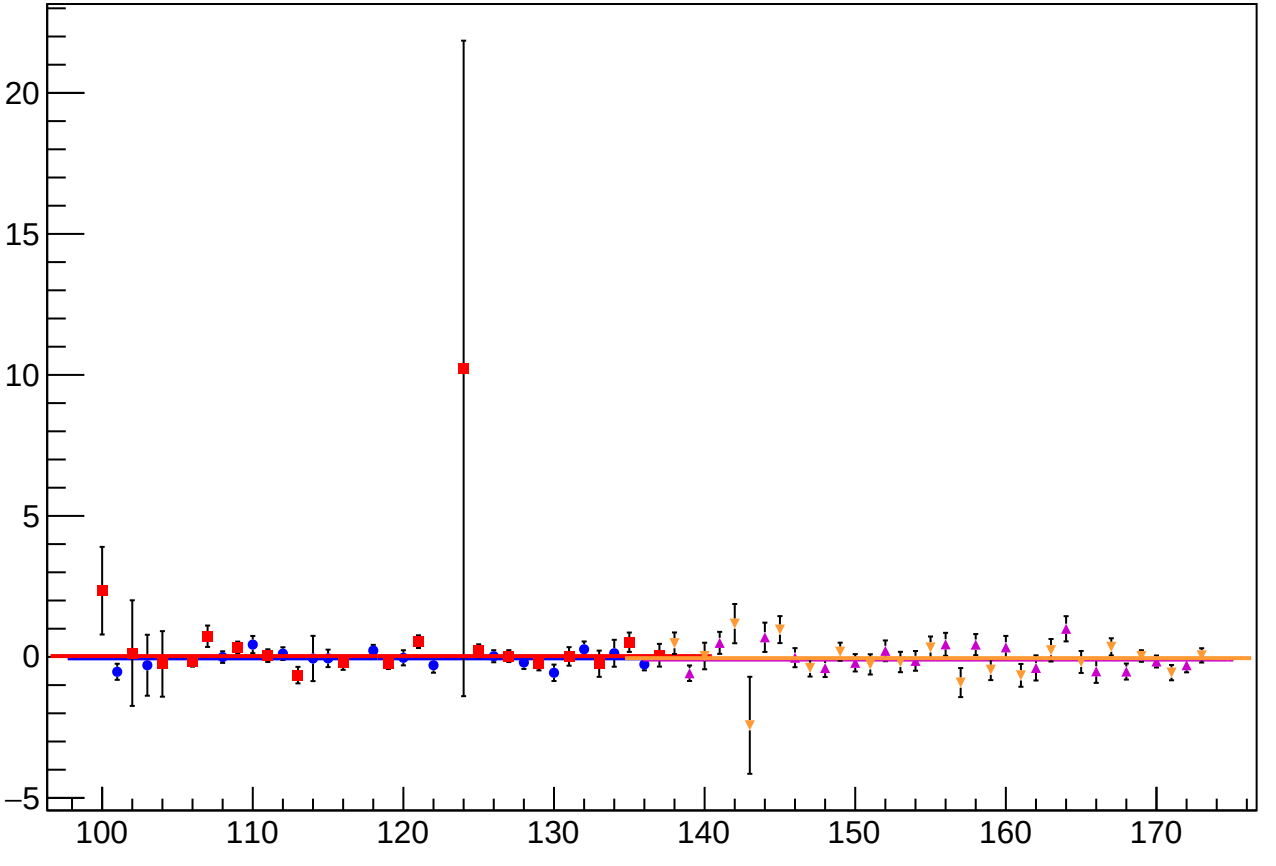
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 216.480+/-0.036 χ^2/NDF:5482723.6/32

Out: 206.496+/-0.035 χ^2/NDF:8850051.3/37

All: 211.358+/-0.025 χ^2/NDF: 14371455.5/70

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: -0.044+/-0.080 χ^2/NDF:27.3/18

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.094+/-0.081 χ^2/NDF:24.8/16

Left: -0.069+/-0.057 χ^2/NDF: 52.3/35

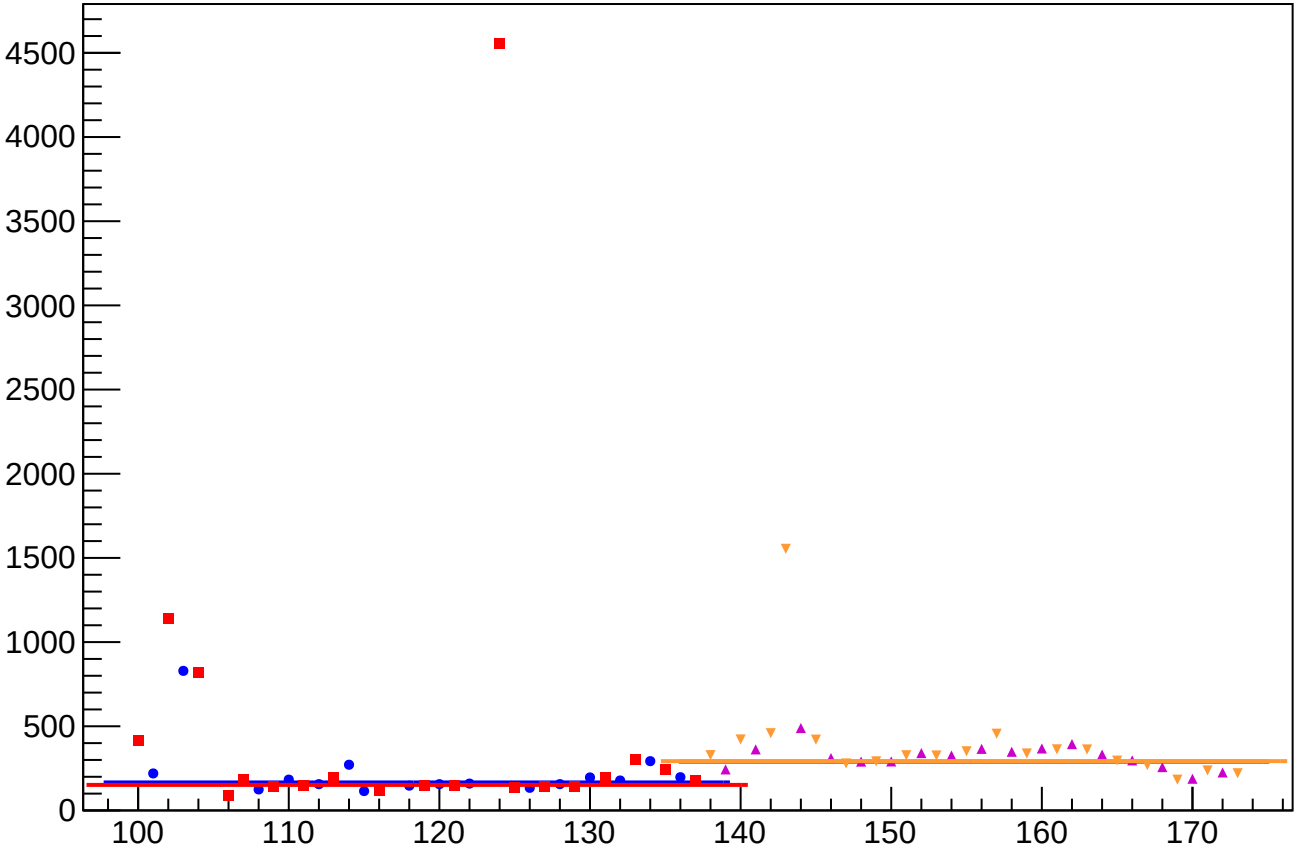
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.069+/-0.051 χ^2/NDF:39.9/32

Out: 0.001+/-0.050 χ^2/NDF:55.3/37

All: -0.033+/-0.036 χ^2/NDF: 96.1/70

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: 292.947+/-0.057 χ^2/NDF:2766409.6/18

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 289.783+/-0.057 χ^2/NDF:1421310.0/16

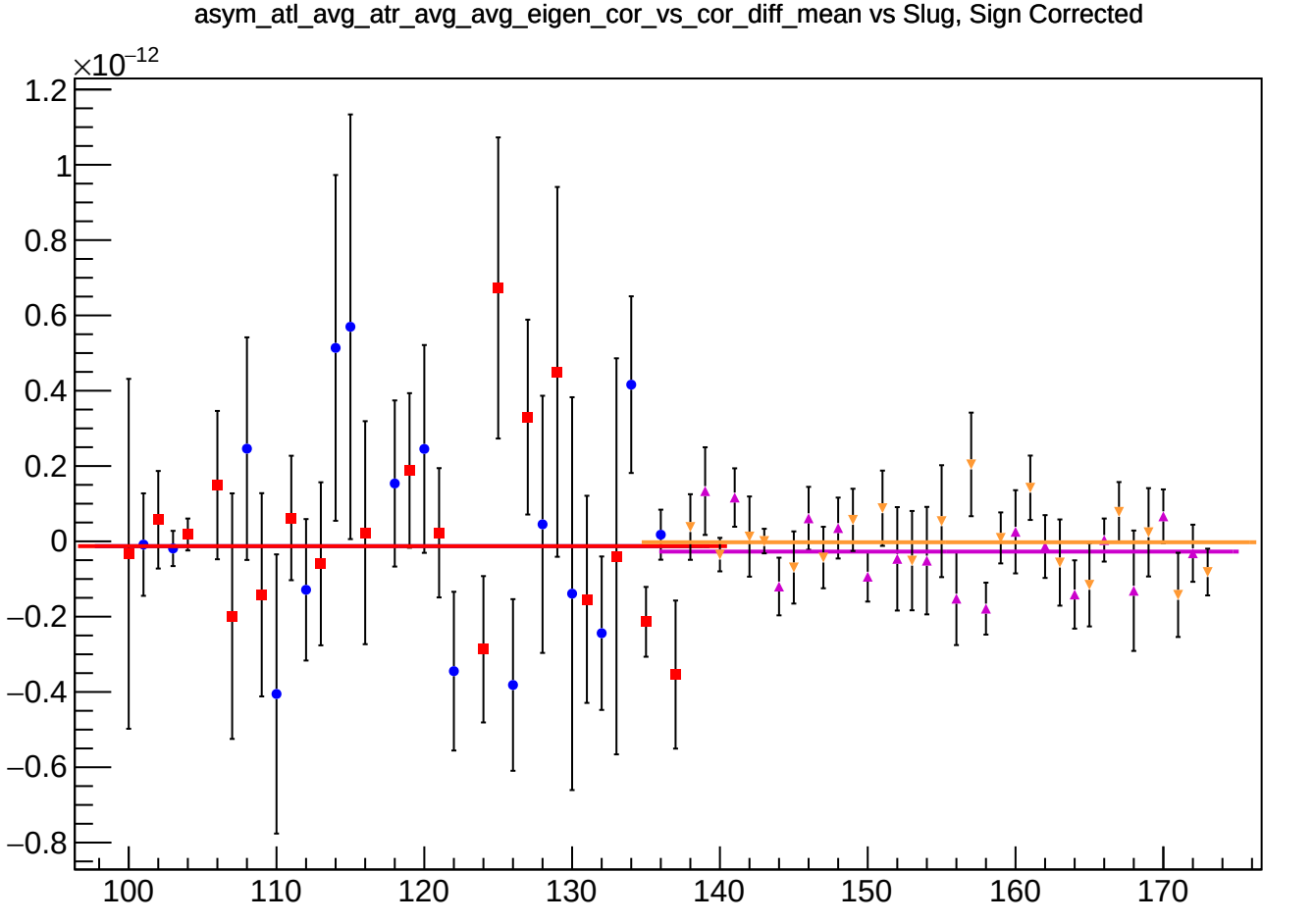
Left: 291.370+/-0.040 χ^2/NDF: 4189261.3/35

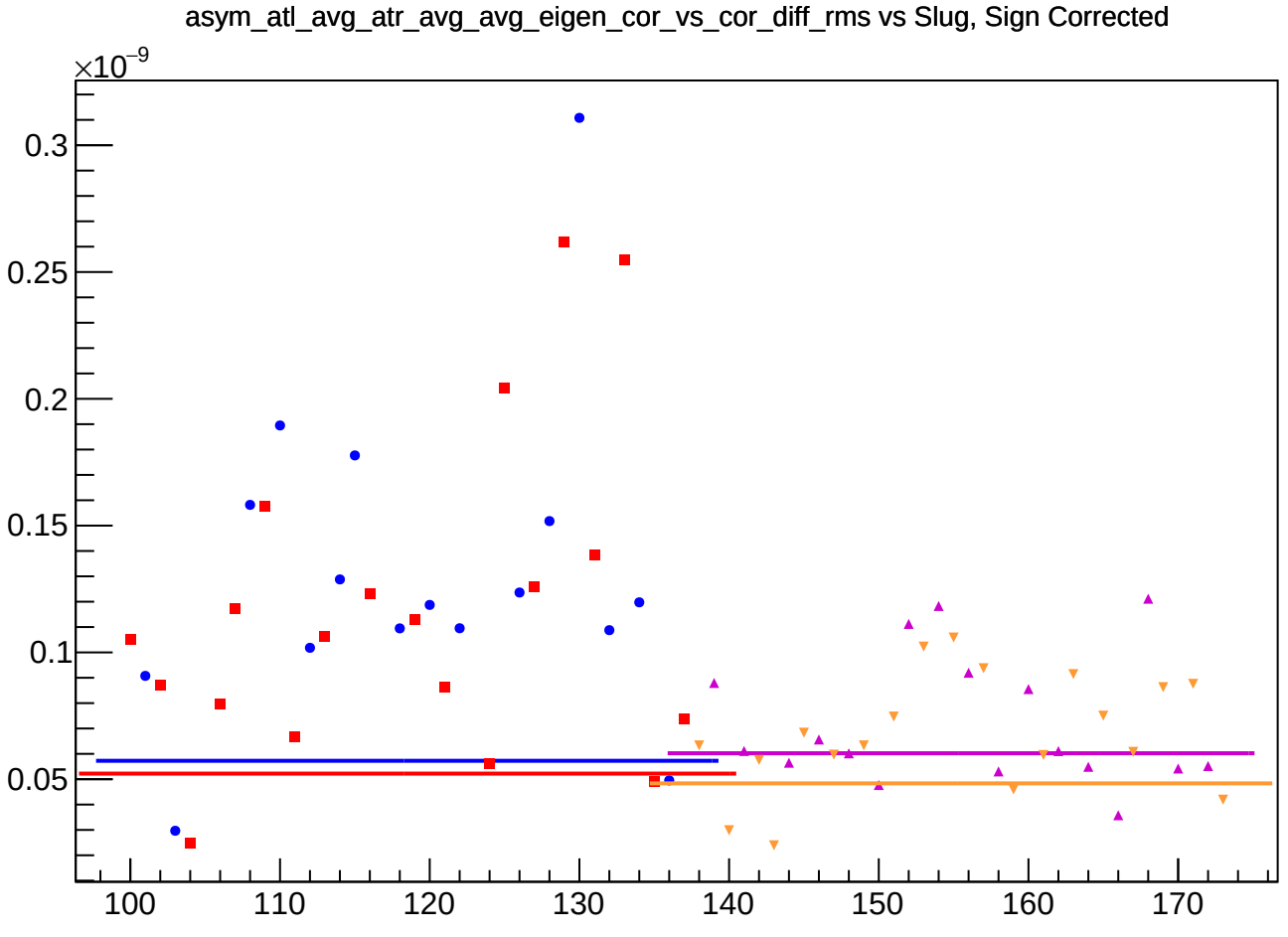
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 216.480+/-0.036 χ^2/NDF:5482723.6/32

Out: 206.496+/-0.035 χ^2/NDF:8850051.3/37

All: 211.358+/-0.025 χ^2/NDF: 14371455.5/70


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
170
Right In: -0.000+/-0.000 χ²/NDF: 16.1/15
Left Out: -0.000+/-0.000 χ²/NDF:13.8/18
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/18
Left In: -0.000+/-0.000 χ²/NDF:19.7/16
Left: -0.000+/-0.000 χ²/NDF: 34.4/35
Right: -0.000+/-0.000 χ²/NDF: 35.0/34
In: -0.000+/-0.000 χ²/NDF:36.0/32
Out: -0.000+/-0.000 χ²/NDF:32.8/37
All: -0.000+/-0.000 χ²/NDF: 69.4/70



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3684250.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1750581.8/16

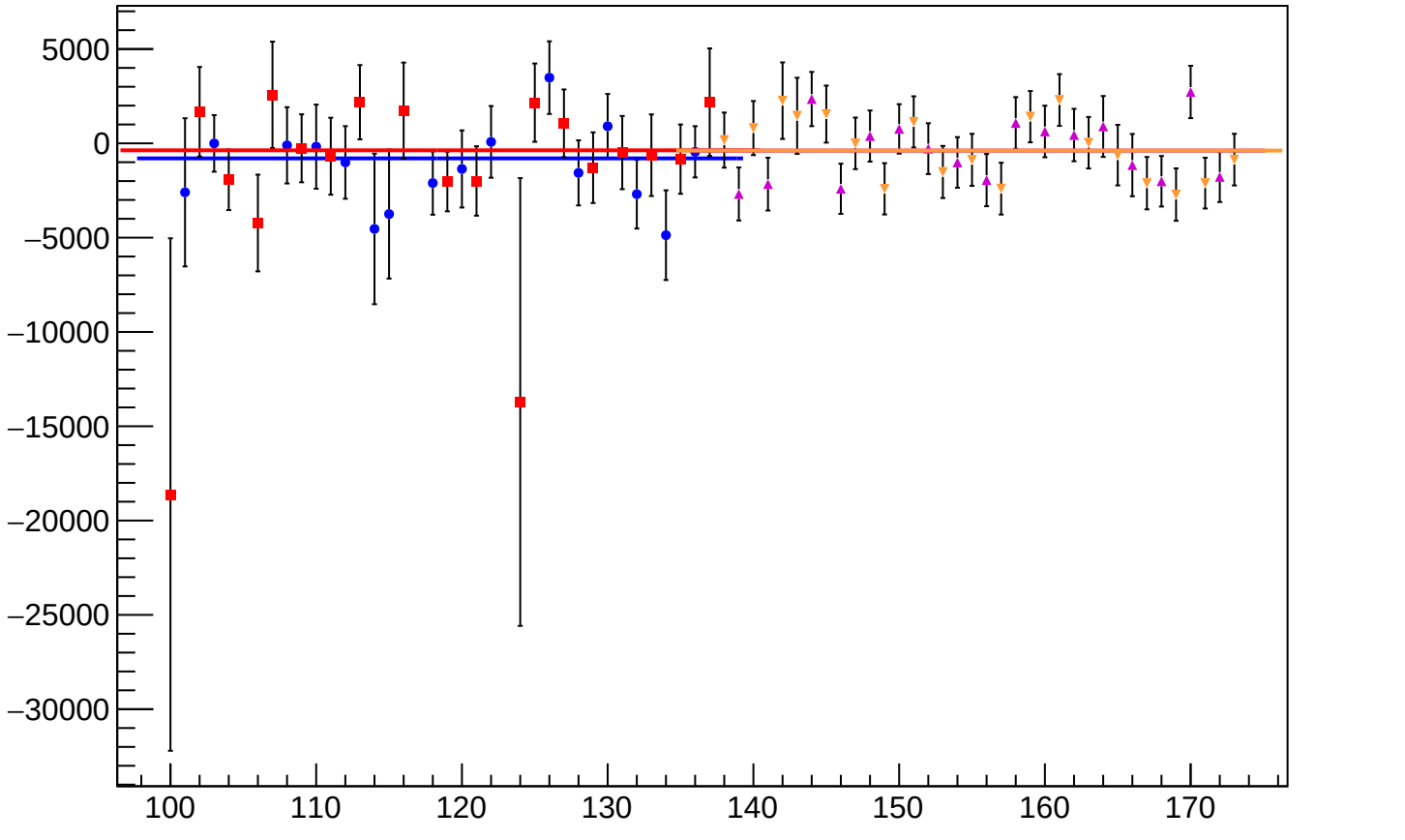
Left: 0.000+/-0.000 χ^2/NDF: 5830257.7/35

Right: 0.000+/-0.000 χ^2/NDF: 6295515.7/34

In: 0.000+/-0.000 χ^2/NDF:4745528.7/32

Out: 0.000+/-0.000 χ^2/NDF:6995135.6/37

All: 0.000+/-0.000 χ^2/NDF: 12131325.5/70



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -382.913+/-329.647 χ^2/NDF:23.3/18

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -387.171+/-337.229 χ^2/NDF:23.3/16

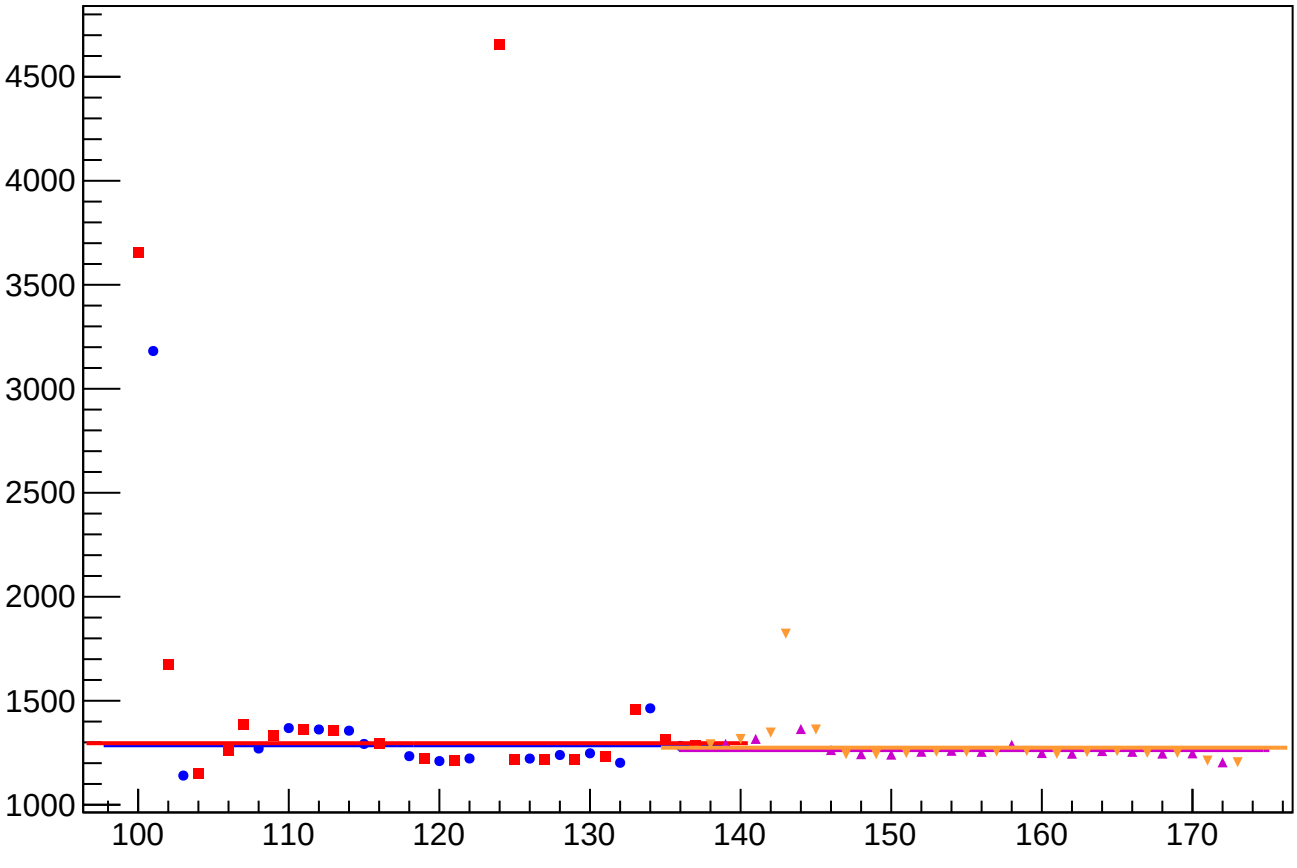
Left: -384.993+/-235.730 χ^2/NDF: 46.6/35

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -519.920+/-277.330 χ^2/NDF:37.2/32

Out: -378.845+/-272.780 χ^2/NDF:39.0/37

All: -448.216+/-194.473 χ^2/NDF: 76.3/70



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1274.426+/-0.233 χ^2/NDF:175551.3/18

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1262.895+/-0.238 χ^2/NDF:20654.5/16

Left: 1268.792+/-0.167 χ^2/NDF: 197401.4/35

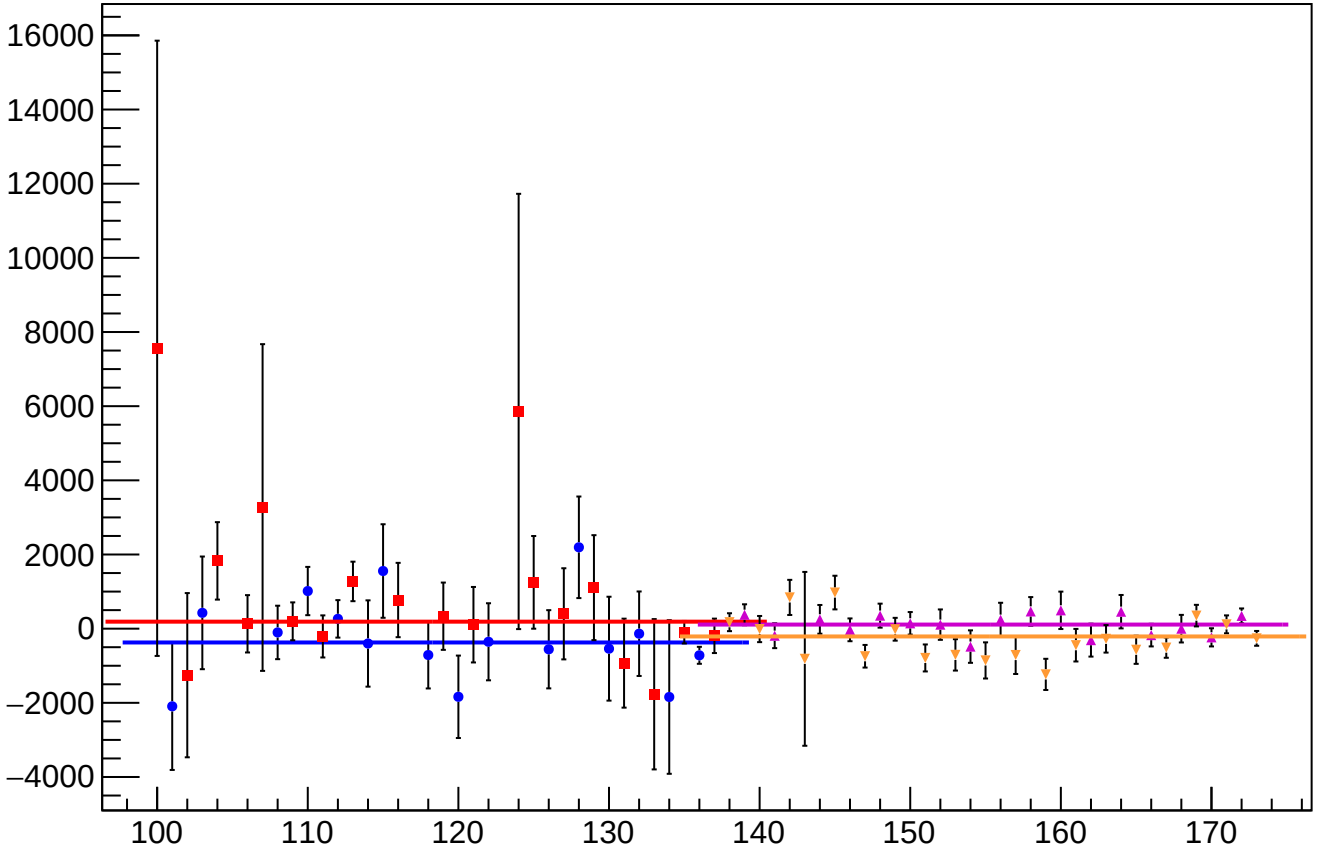
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1270.406+/-0.196 χ^2/NDF:541845.8/32

Out: 1281.209+/-0.193 χ^2/NDF:506307.5/37

All: 1275.897+/-0.138 χ^2/NDF: 1049696.0/70

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: -209.997+/-76.800 χ^2/NDF:38.7/18

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 110.327+/-80.271 χ^2/NDF:11.7/16

Left: -56.911+/-55.492 χ^2/NDF: 58.8/35

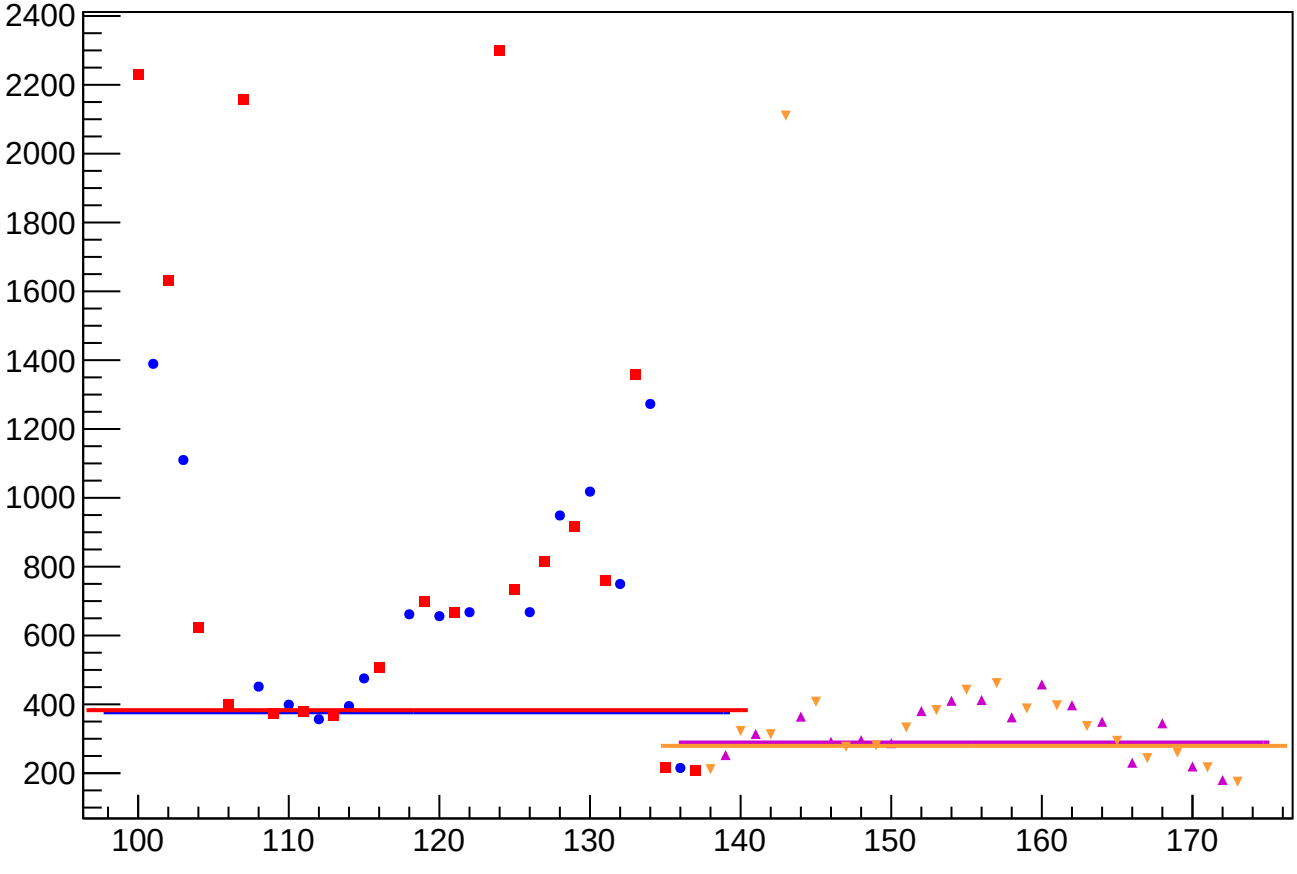
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 20.796+/-72.444 χ^2/NDF:36.6/32

Out: -142.096+/-69.959 χ^2/NDF:58.0/37

All: -63.492+/-50.324 χ^2/NDF: 97.2/70

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: 279.401+/-0.054 χ^2/NDF:3269761.7/18

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 289.152+/-0.057 χ^2/NDF:1840420.2/16

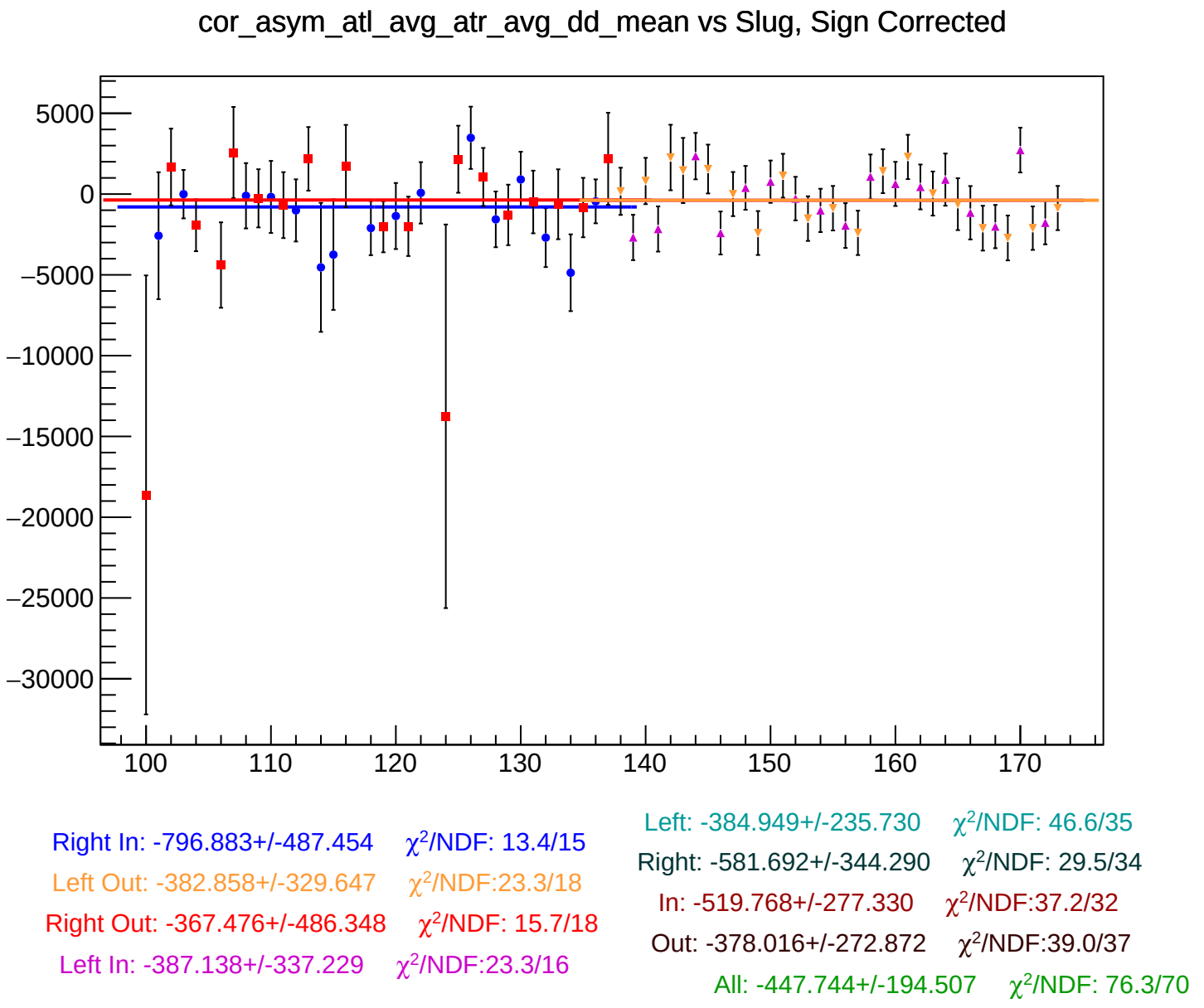
Left: 284.061+/-0.039 χ^2/NDF: 5125592.3/35

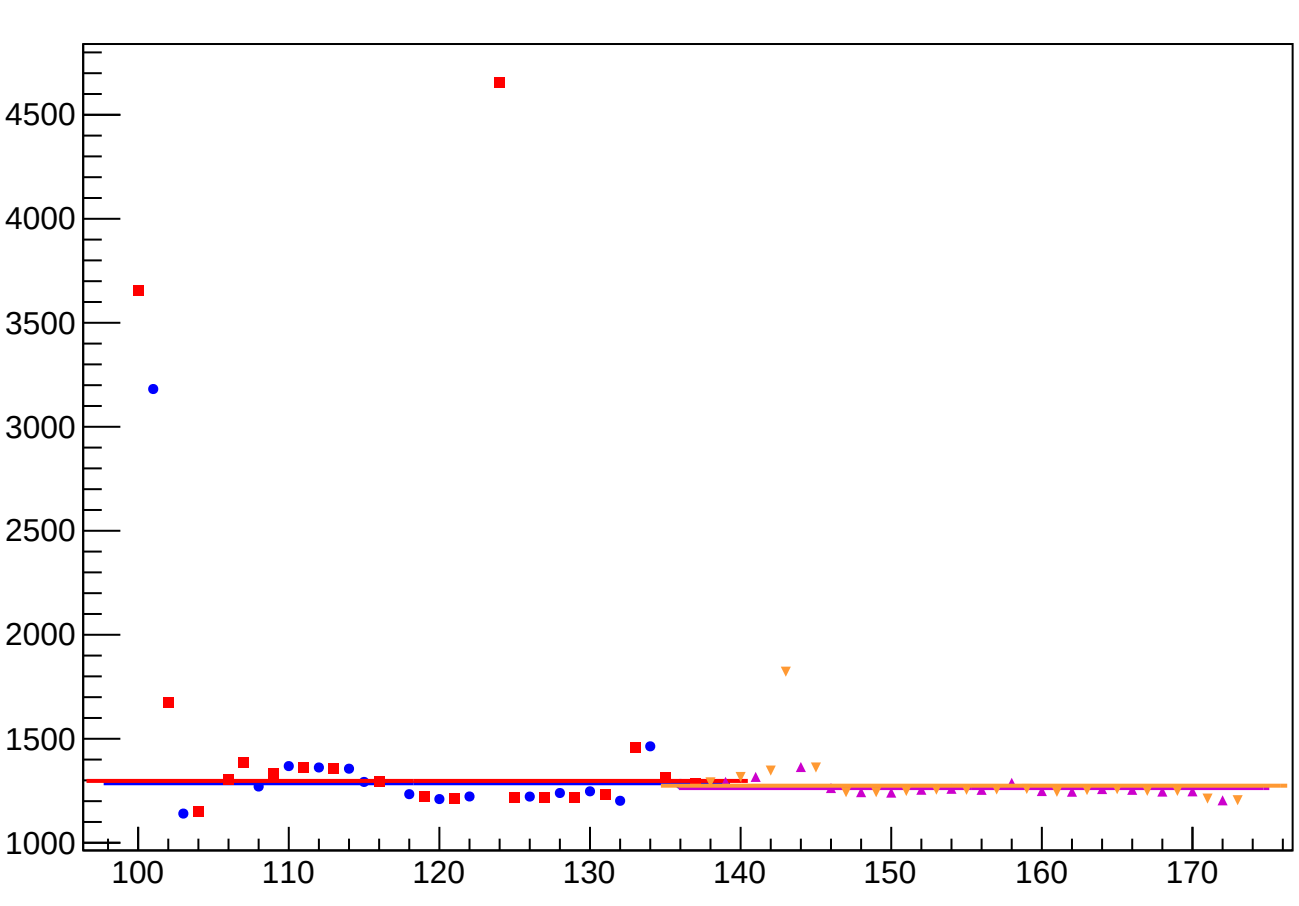
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 305.428+/-0.051 χ^2/NDF:6473865.8/32

Out: 297.046+/-0.049 χ^2/NDF:7944194.1/37

All: 301.091+/-0.036 χ^2/NDF: 14431913.5/70


cor_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -382.858+/-329.647 χ²/NDF:23.3/18
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -387.138+/-337.229 χ²/NDF:23.3/16
Left: -384.949+/-235.730 χ²/NDF: 46.6/35
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -519.768+/-277.330 χ²/NDF:37.2/32
Out: -378.016+/-272.872 χ²/NDF:39.0/37
All: -447.744+/-194.507 χ²/NDF: 76.3/70



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1274.426+/-0.233 χ^2/NDF:175551.3/18

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1262.895+/-0.238 χ^2/NDF:20654.5/16

Left: 1268.792+/-0.167 χ^2/NDF: 197401.4/35

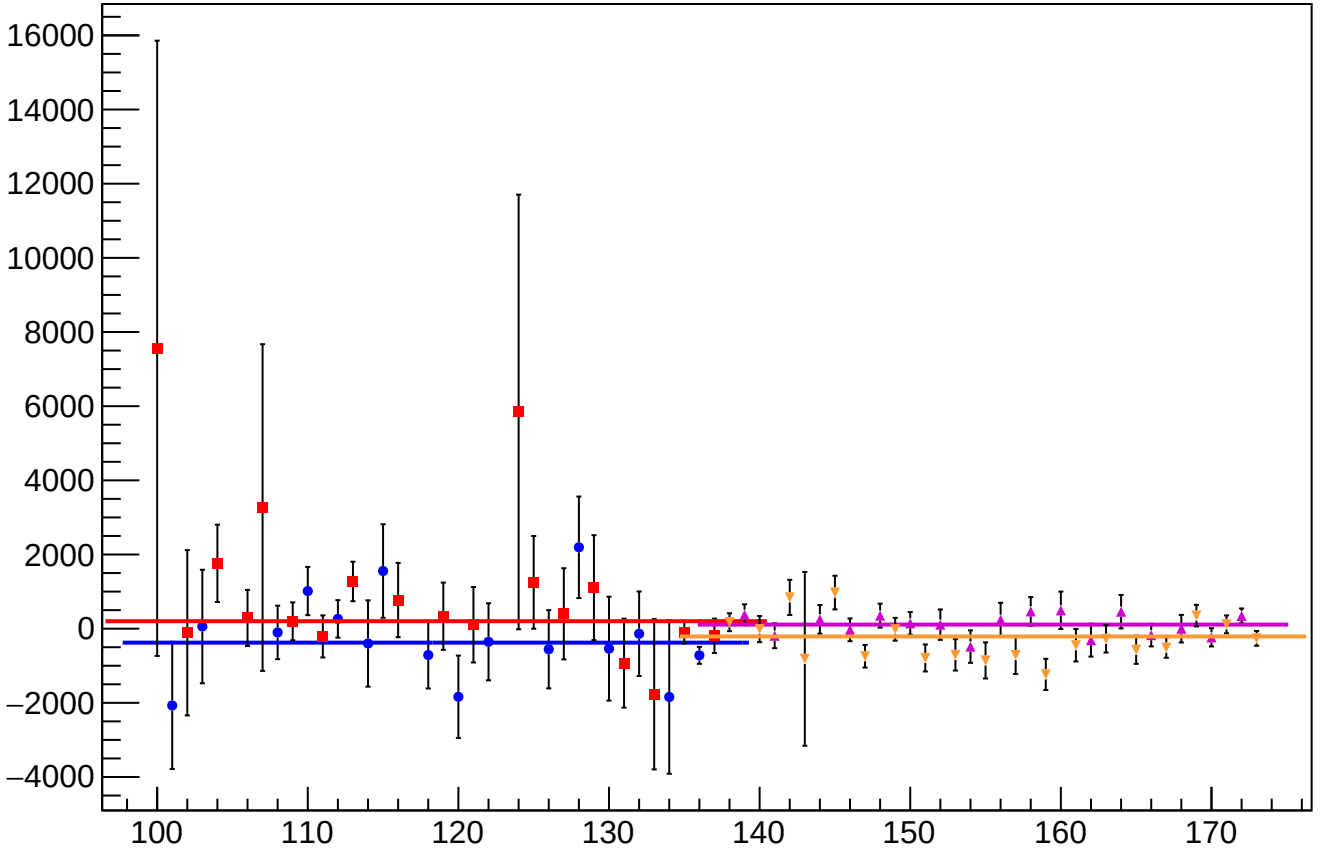
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1270.406+/-0.196 χ^2/NDF:541847.2/32

Out: 1281.656+/-0.193 χ^2/NDF:506349.4/37

All: 1276.122+/-0.138 χ^2/NDF: 1049868.9/70

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: -209.973+/-76.802 χ^2/NDF:38.7/18

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 110.366+/-80.271 χ^2/NDF:11.7/16

Left: -56.876+/-55.493 χ^2/NDF: 58.8/35

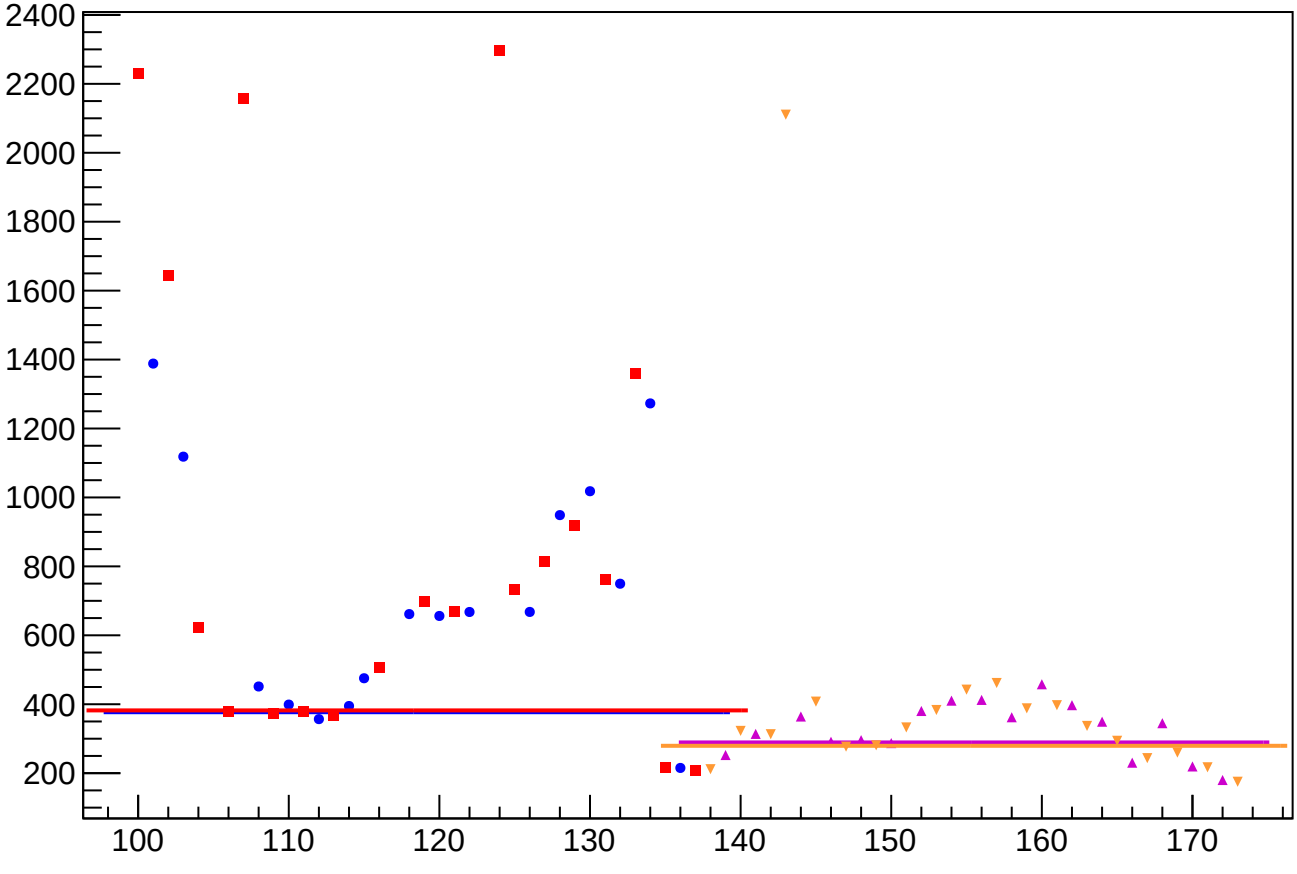
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 20.019+/-72.446 χ^2/NDF:36.5/32

Out: -139.690+/-69.947 χ^2/NDF:57.7/37

All: -62.637+/-50.320 χ^2/NDF: 96.7/70

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: 279.410+/-0.054 χ^2/NDF:3269537.0/18

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 289.154+/-0.057 χ^2/NDF:1840467.2/16

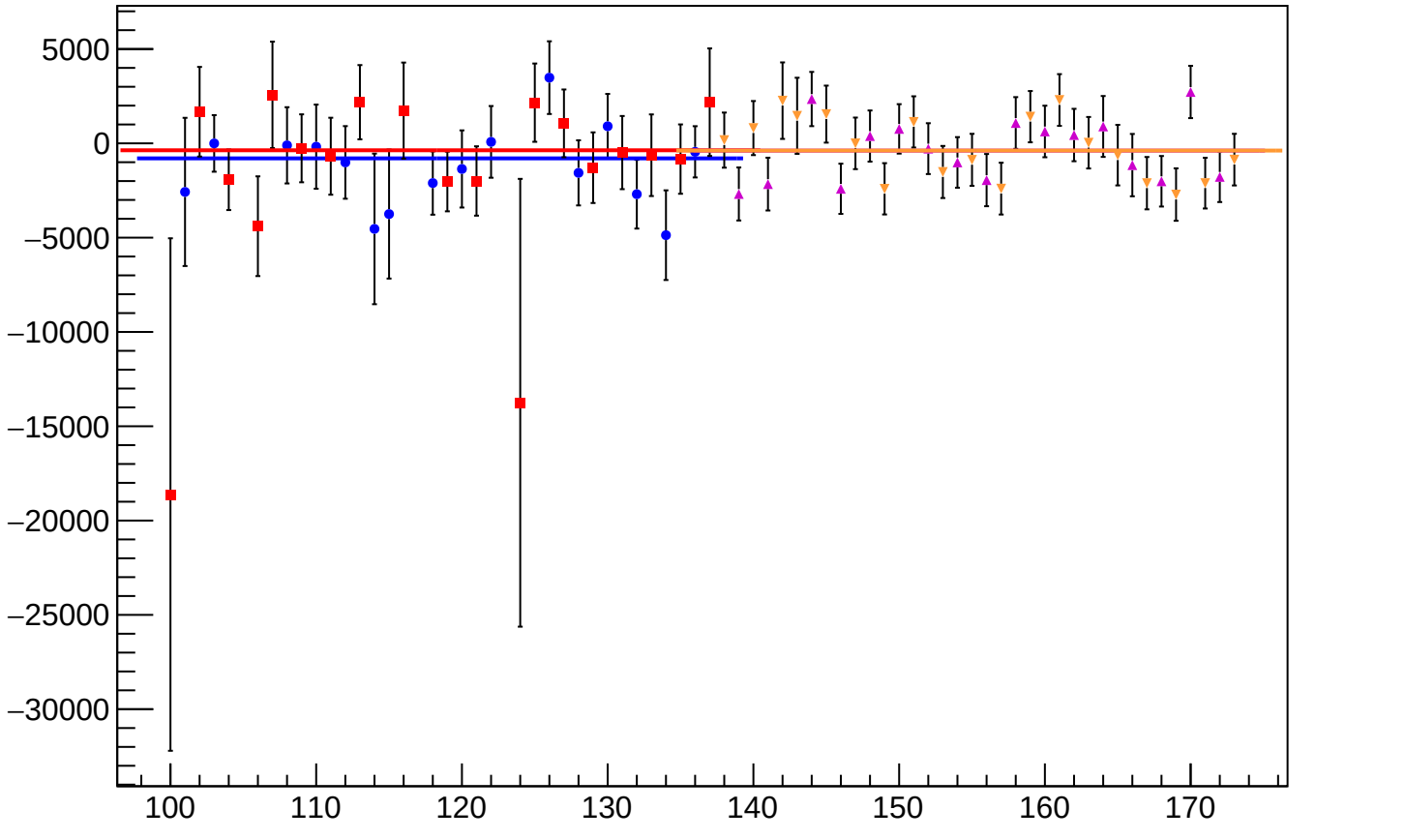
Left: 284.067+/-0.039 χ^2/NDF: 5125388.9/35

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 305.425+/-0.051 χ^2/NDF:6476857.1/32

Out: 296.929+/-0.049 χ^2/NDF:7939338.5/37

All: 301.028+/-0.036 χ^2/NDF: 14430429.4/70



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -382.858+/-329.647 χ^2/NDF:23.3/18

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -387.138+/-337.229 χ^2/NDF:23.3/16

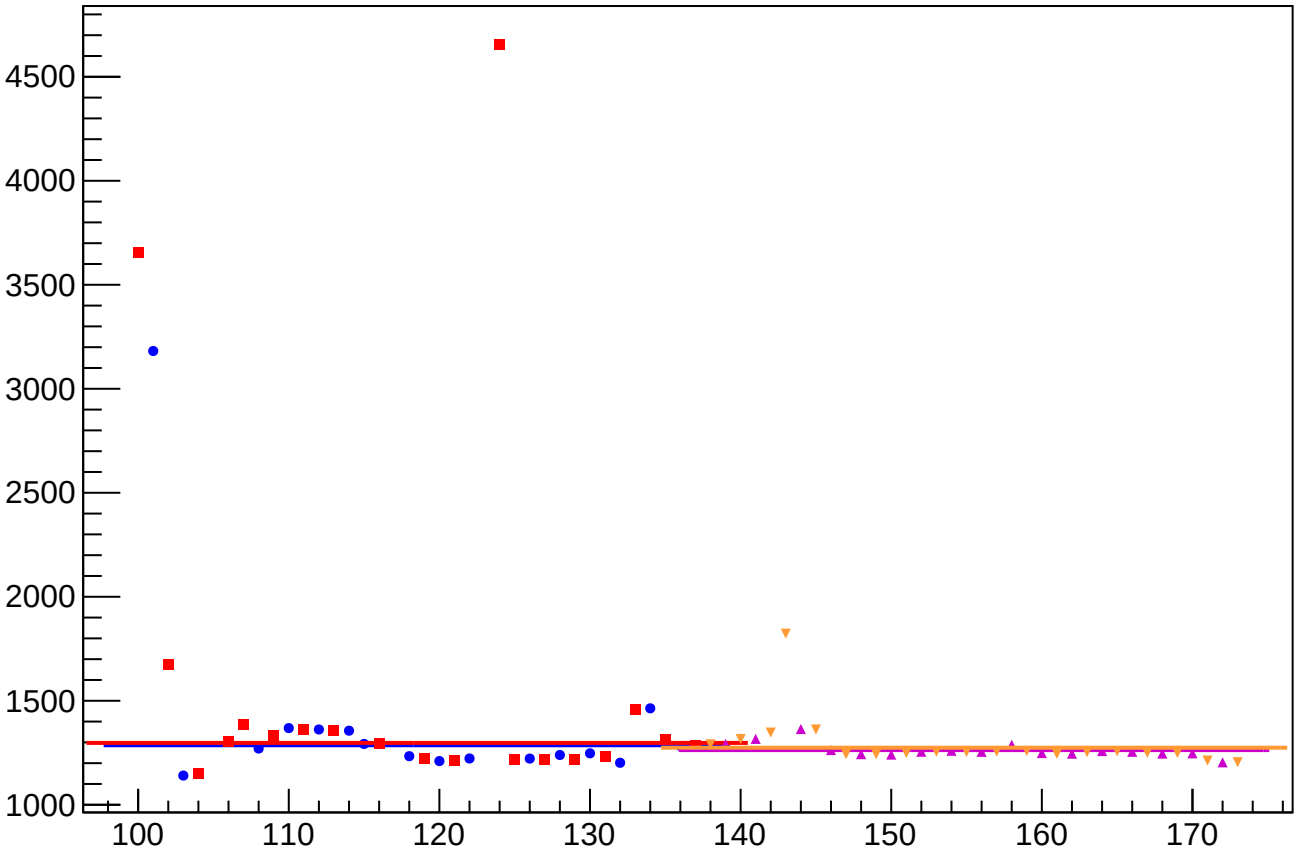
Left: -384.949+/-235.730 χ^2/NDF: 46.6/35

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -519.768+/-277.330 χ^2/NDF:37.2/32

Out: -378.016+/-272.872 χ^2/NDF:39.0/37

All: -447.744+/-194.507 χ^2/NDF: 76.3/70



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1274.426+/-0.233 χ^2/NDF:175551.3/18

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1262.895+/-0.238 χ^2/NDF:20654.5/16

Left: 1268.792+/-0.167 χ^2/NDF: 197401.4/35

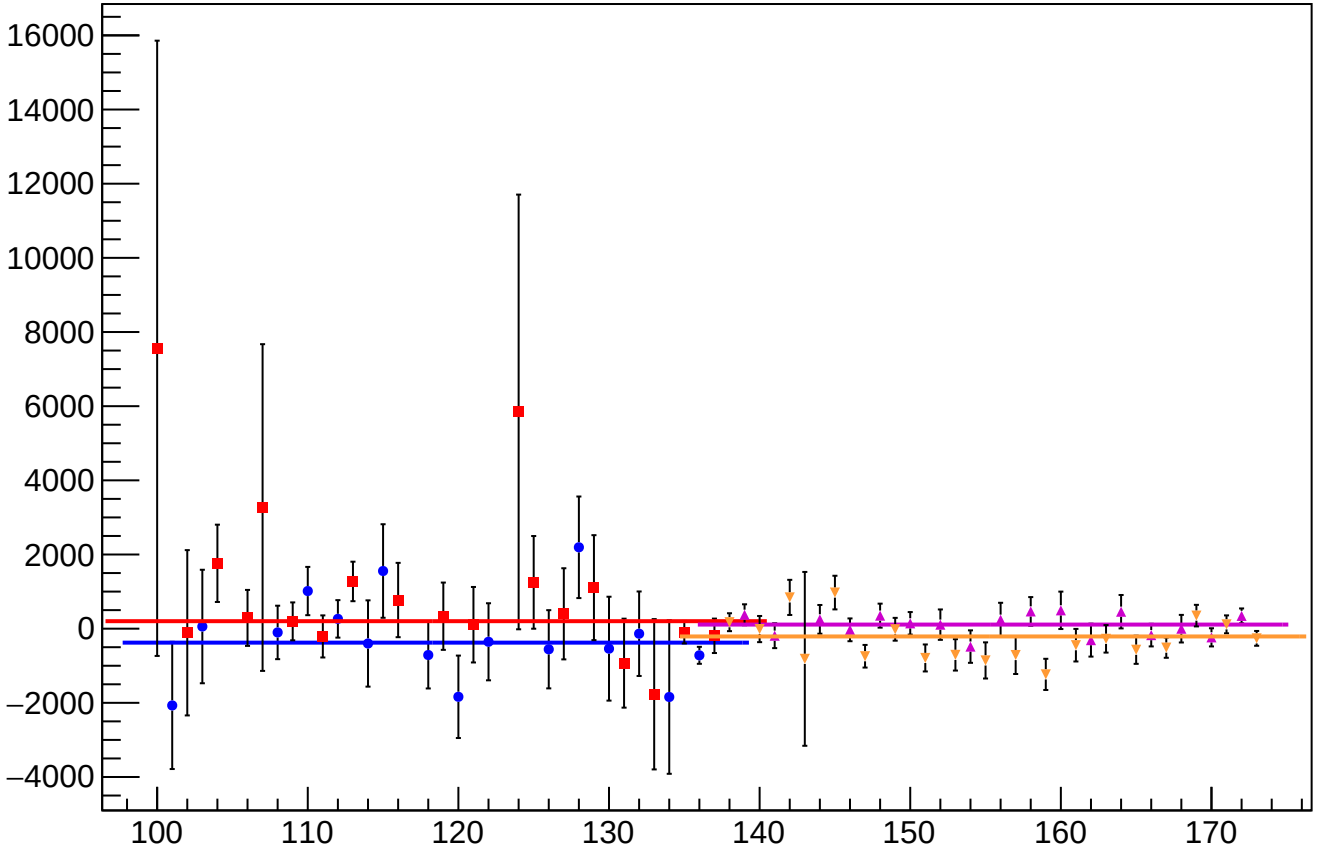
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1270.406+/-0.196 χ^2/NDF:541847.2/32

Out: 1281.656+/-0.193 χ^2/NDF:506349.4/37

All: 1276.122+/-0.138 χ^2/NDF: 1049868.9/70

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -209.973+/-76.802 χ^2/NDF:38.7/18

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 110.366+/-80.271 χ^2/NDF:11.7/16

Left: -56.876+/-55.493 χ^2/NDF: 58.8/35

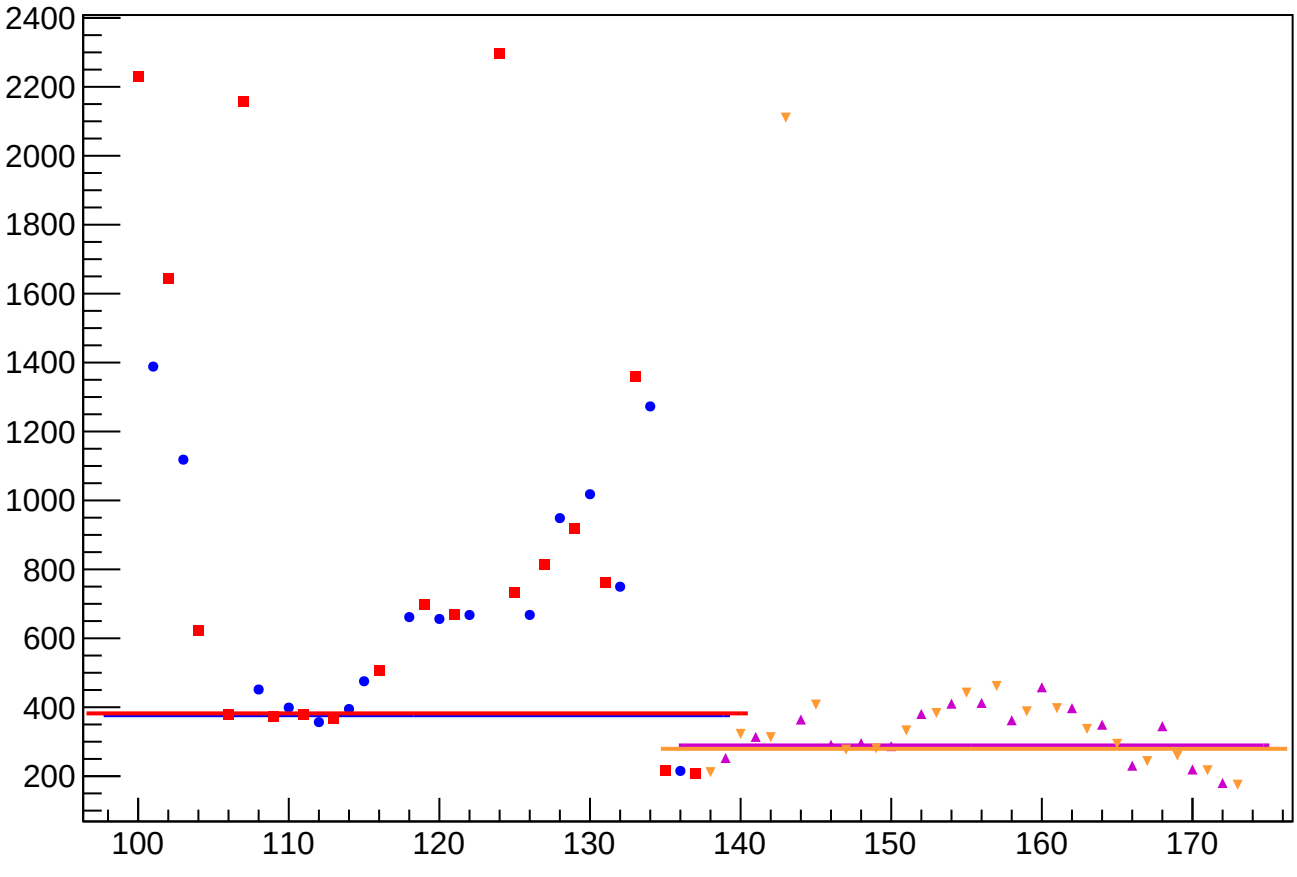
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 20.019+/-72.446 χ^2/NDF:36.5/32

Out: -139.690+/-69.947 χ^2/NDF:57.7/37

All: -62.637+/-50.320 χ^2/NDF: 96.7/70

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: 279.410+/-0.054 χ^2/NDF:3269537.0/18

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 289.154+/-0.057 χ^2/NDF:1840467.2/16

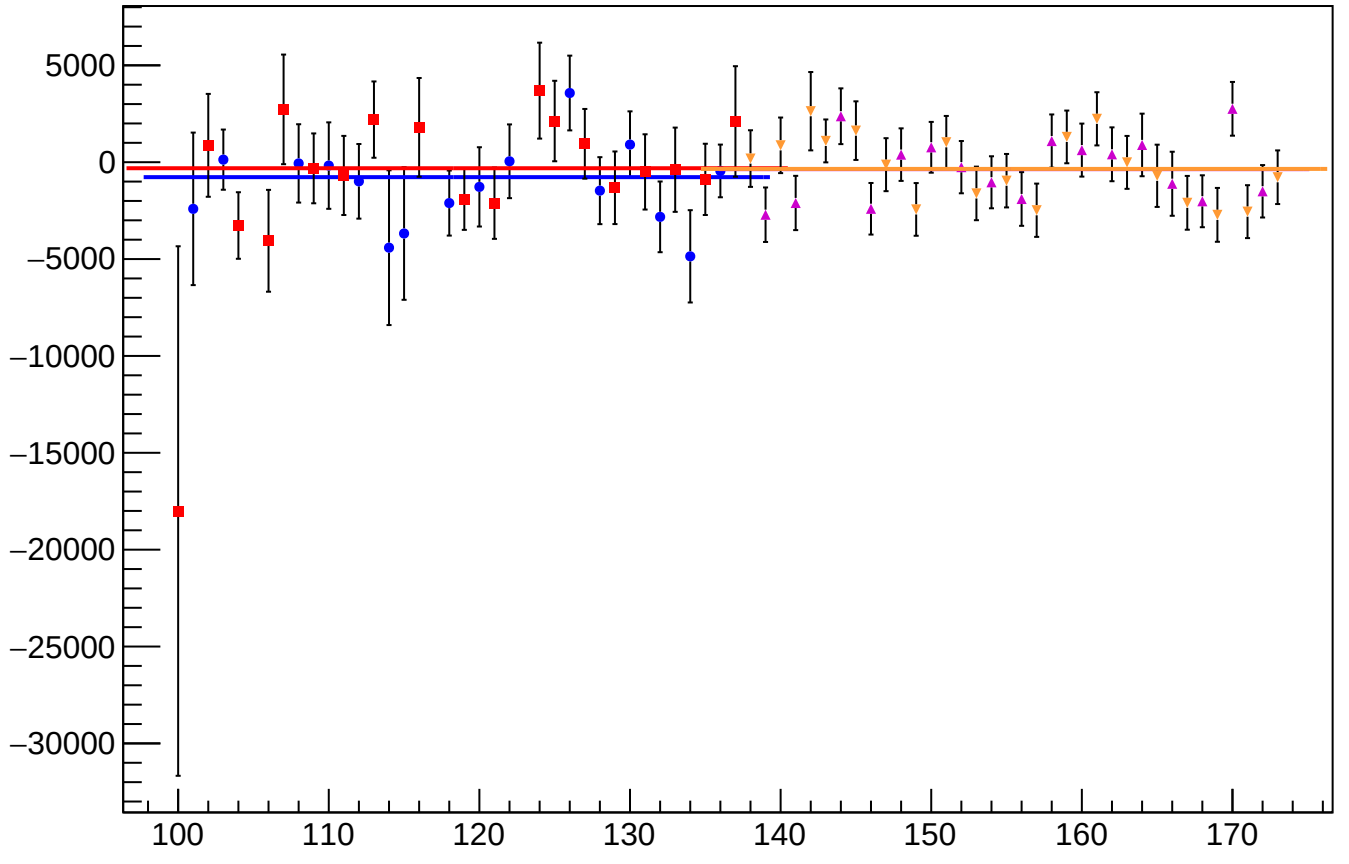
Left: 284.067+/-0.039 χ^2/NDF: 5125388.9/35

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 305.425+/-0.051 χ^2/NDF:6476857.1/32

Out: 296.929+/-0.049 χ^2/NDF:7939338.5/37

All: 301.028+/-0.036 χ^2/NDF: 14430429.4/70



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -346.383+/-320.500 χ^2/NDF:25.6/18

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -359.266+/-337.733 χ^2/NDF:22.9/16

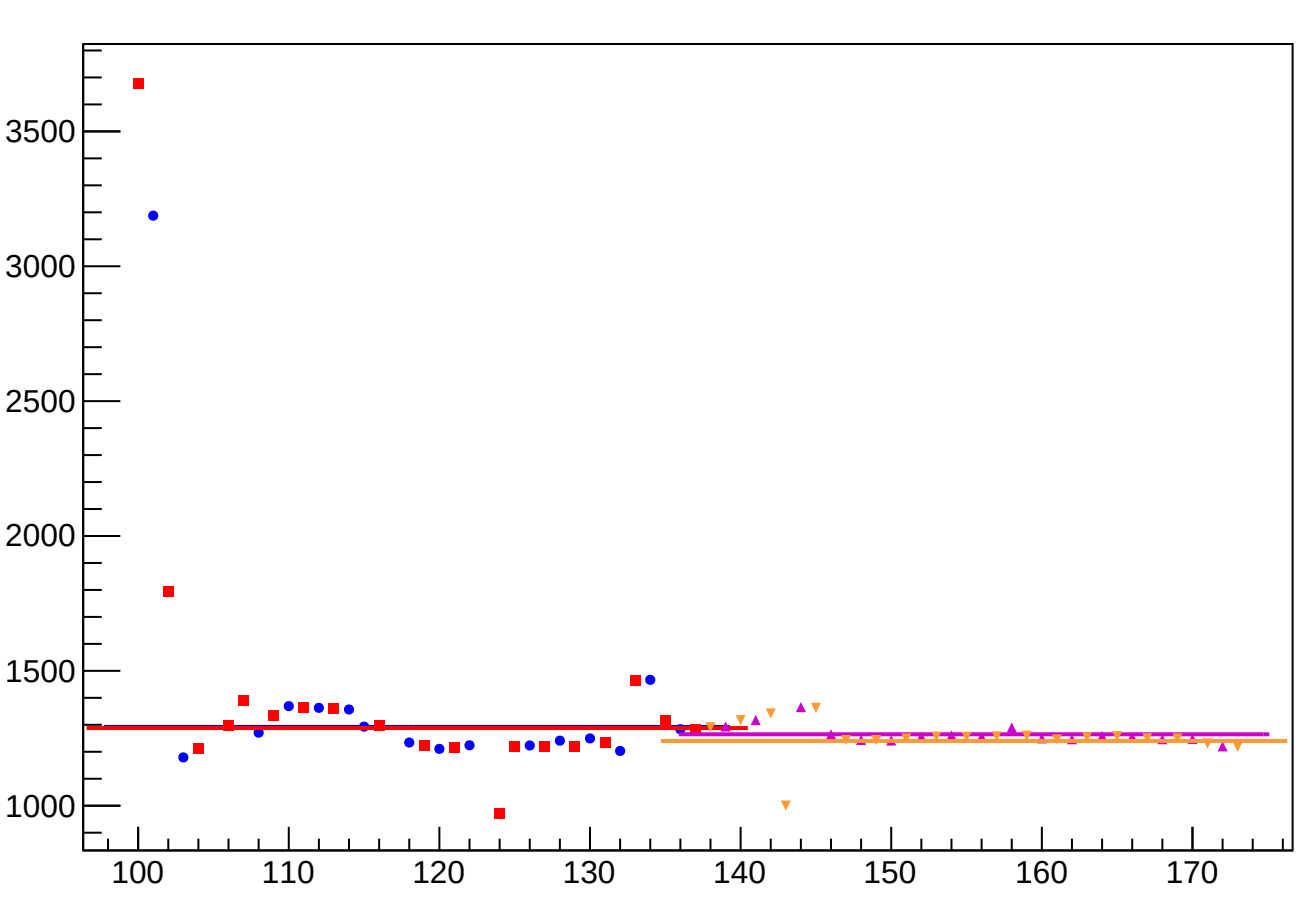
Left: -352.488+/-232.481 χ^2/NDF: 48.5/35

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -492.178+/-278.006 χ^2/NDF:37.0/32

Out: -335.683+/-266.994 χ^2/NDF:43.6/37

All: -410.770+/-192.569 χ^2/NDF: 80.7/70



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1240.137+/-0.227 χ^2/NDF:122947.8/18

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1264.819+/-0.239 χ^2/NDF:18986.3/16

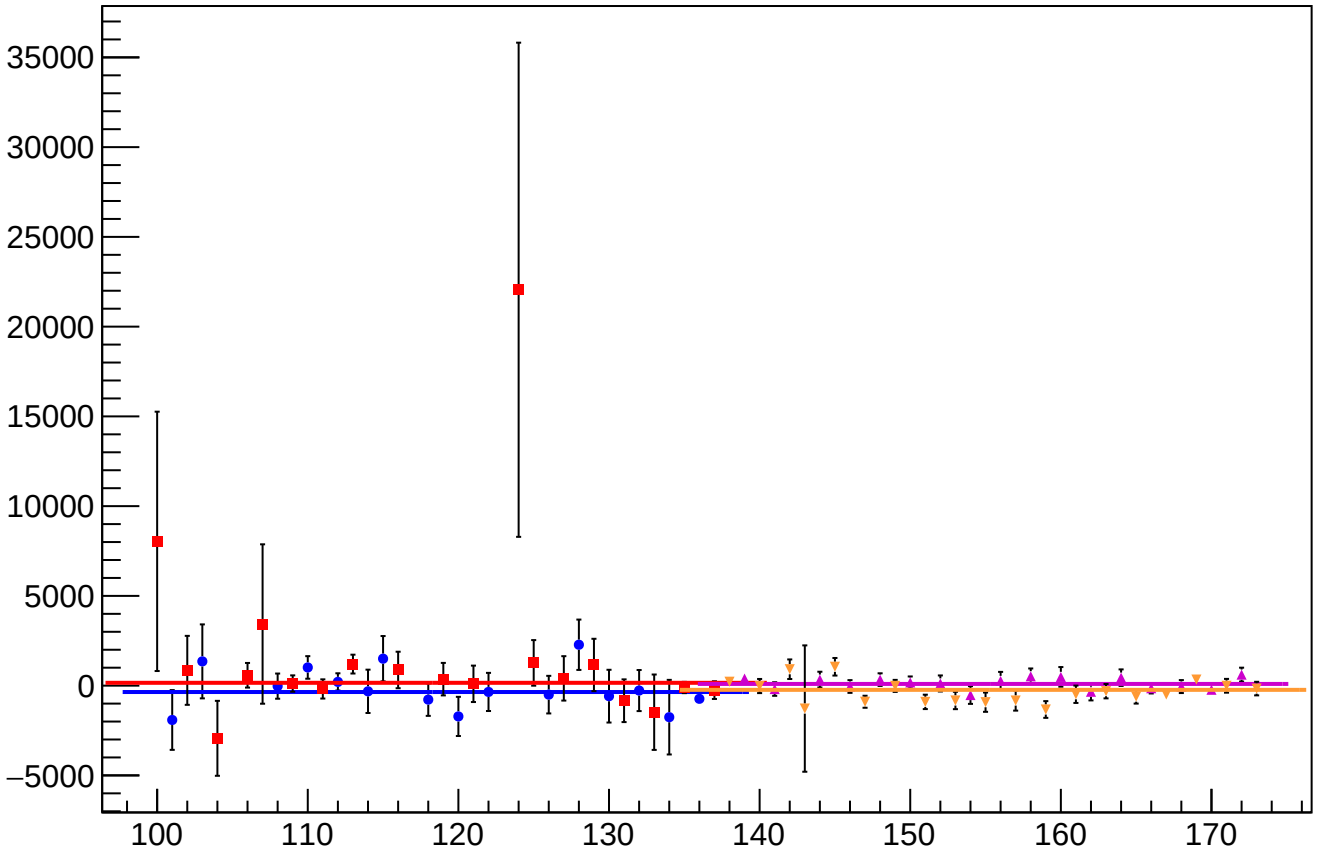
Left: 1251.832+/-0.164 χ^2/NDF: 147554.2/35

Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1273.595+/-0.197 χ^2/NDF:532580.9/32

Out: 1254.781+/-0.189 χ^2/NDF:345799.5/37

All: 1263.808+/-0.136 χ^2/NDF: 883145.3/70



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -234.611+/-88.044 χ^2/NDF:38.9/18

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 95.298+/-89.343 χ^2/NDF:11.8/16

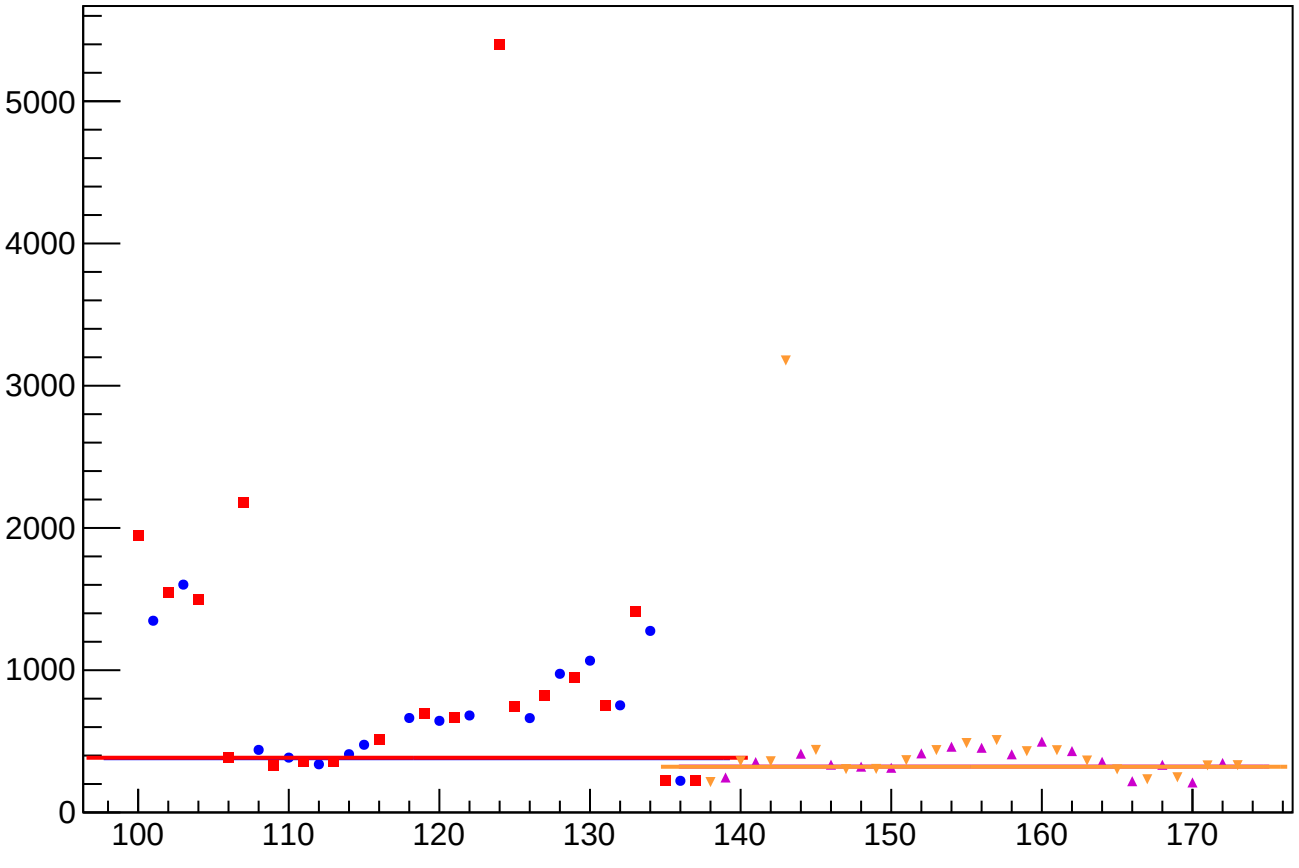
Left: -72.072+/-62.711 χ^2/NDF: 57.7/35

Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -2.233+/-79.084 χ^2/NDF:35.8/32

Out: -151.332+/-78.149 χ^2/NDF:59.0/37

All: -77.669+/-55.587 χ^2/NDF: 96.6/70



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 321.261+/-0.062 χ^2/NDF:3046274.4/18

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 322.489+/-0.063 χ^2/NDF:1748900.6/16

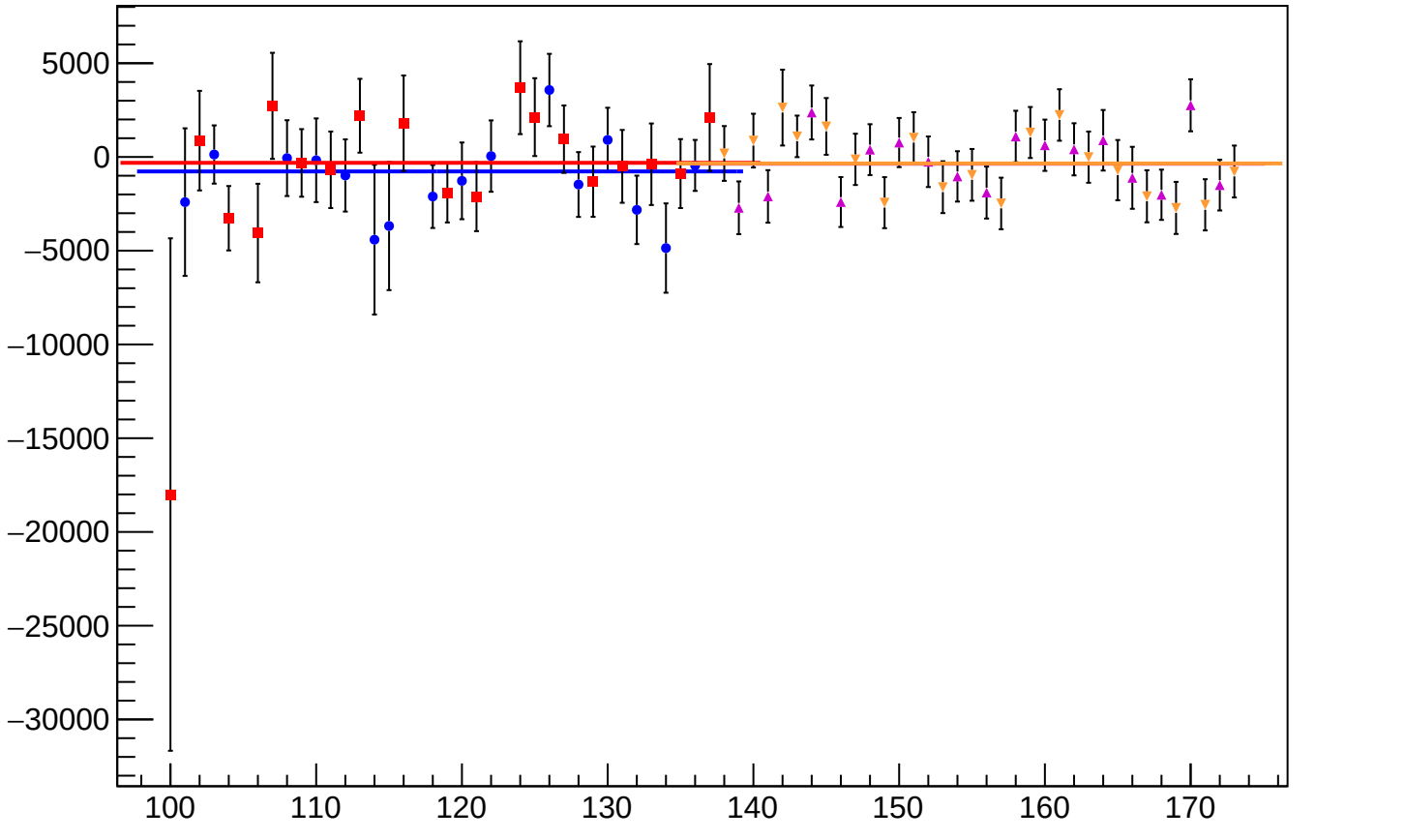
Left: 321.866+/-0.044 χ^2/NDF: 4795366.7/35

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 335.231+/-0.056 χ^2/NDF:6254743.0/32

Out: 334.710+/-0.055 χ^2/NDF:7826432.6/37

All: 334.967+/-0.039 χ^2/NDF: 14081219.6/70



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -346.382+/-320.500 χ^2/NDF:25.6/18

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -359.267+/-337.733 χ^2/NDF:22.9/16

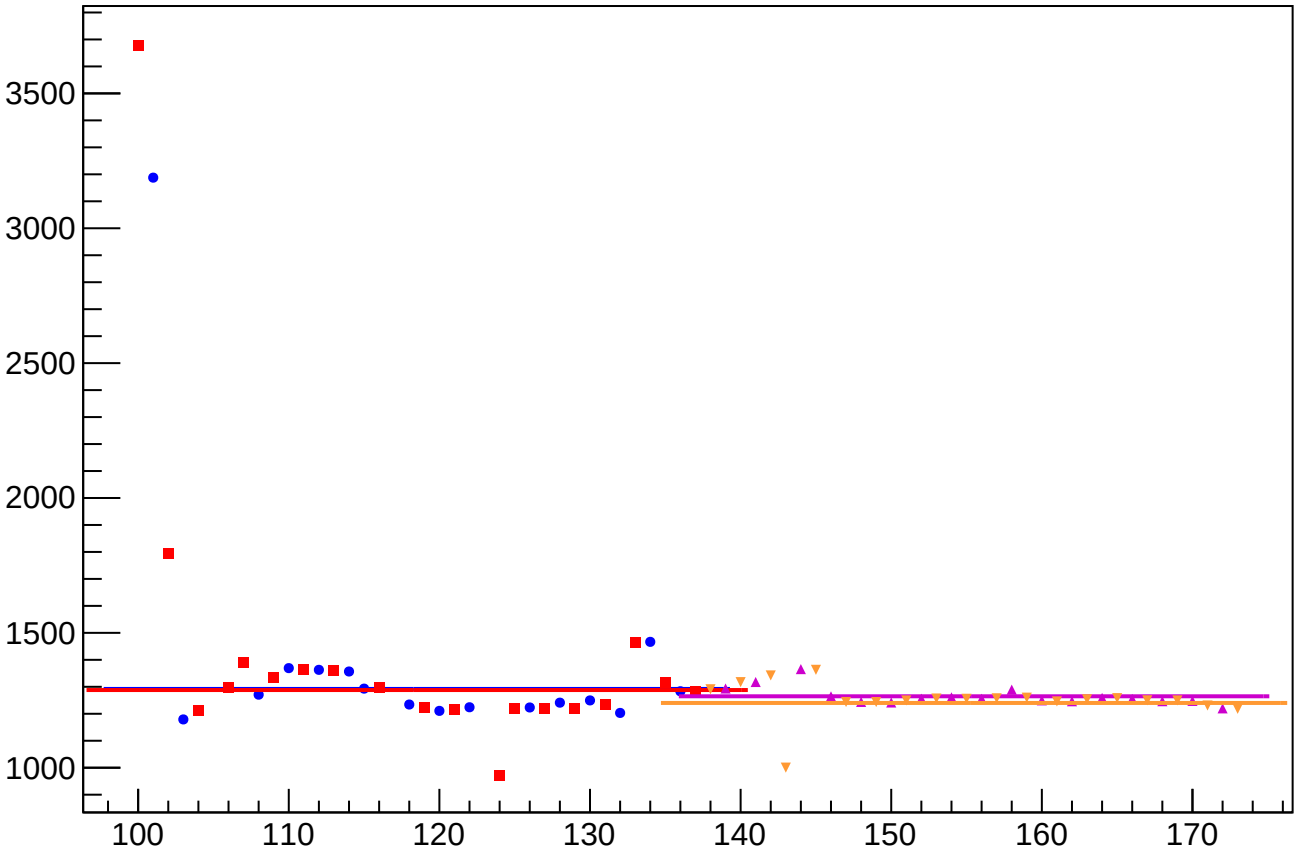
Left: -352.488+/-232.481 χ^2/NDF: 48.5/35

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -492.179+/-278.006 χ^2/NDF:37.0/32

Out: -335.683+/-266.994 χ^2/NDF:43.6/37

All: -410.770+/-192.569 χ^2/NDF: 80.7/70



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1240.137+/-0.227 χ^2/NDF:122947.0/18

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1264.819+/-0.239 χ^2/NDF:18986.4/16

Left: 1251.832+/-0.164 χ^2/NDF: 147553.5/35

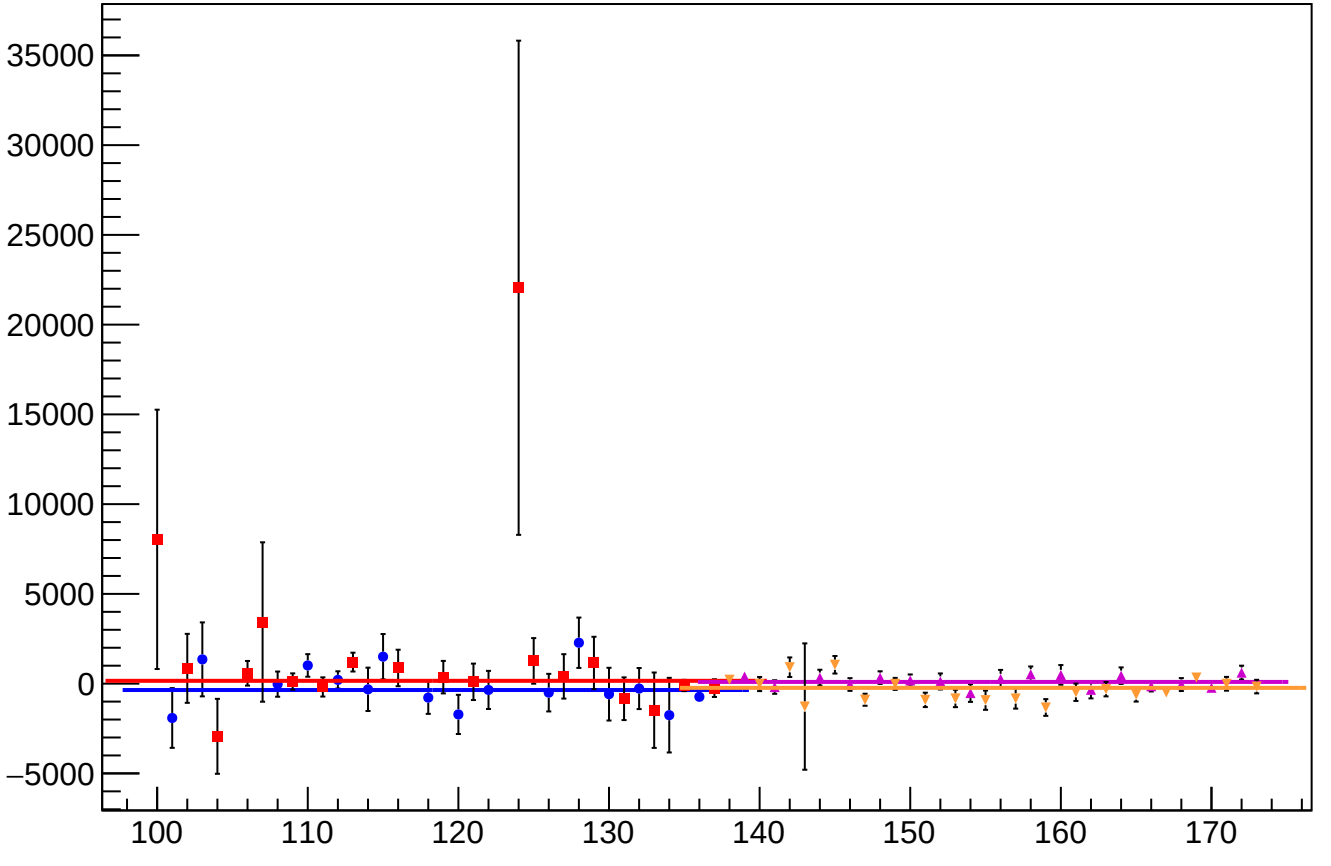
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1273.595+/-0.197 χ^2/NDF:532581.1/32

Out: 1254.781+/-0.189 χ^2/NDF:345799.0/37

All: 1263.808+/-0.136 χ^2/NDF: 883144.9/70

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: -234.618+/-88.045 χ^2/NDF:38.9/18

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 95.296+/-89.344 χ^2/NDF:11.8/16

Left: -72.077+/-62.711 χ^2/NDF: 57.7/35

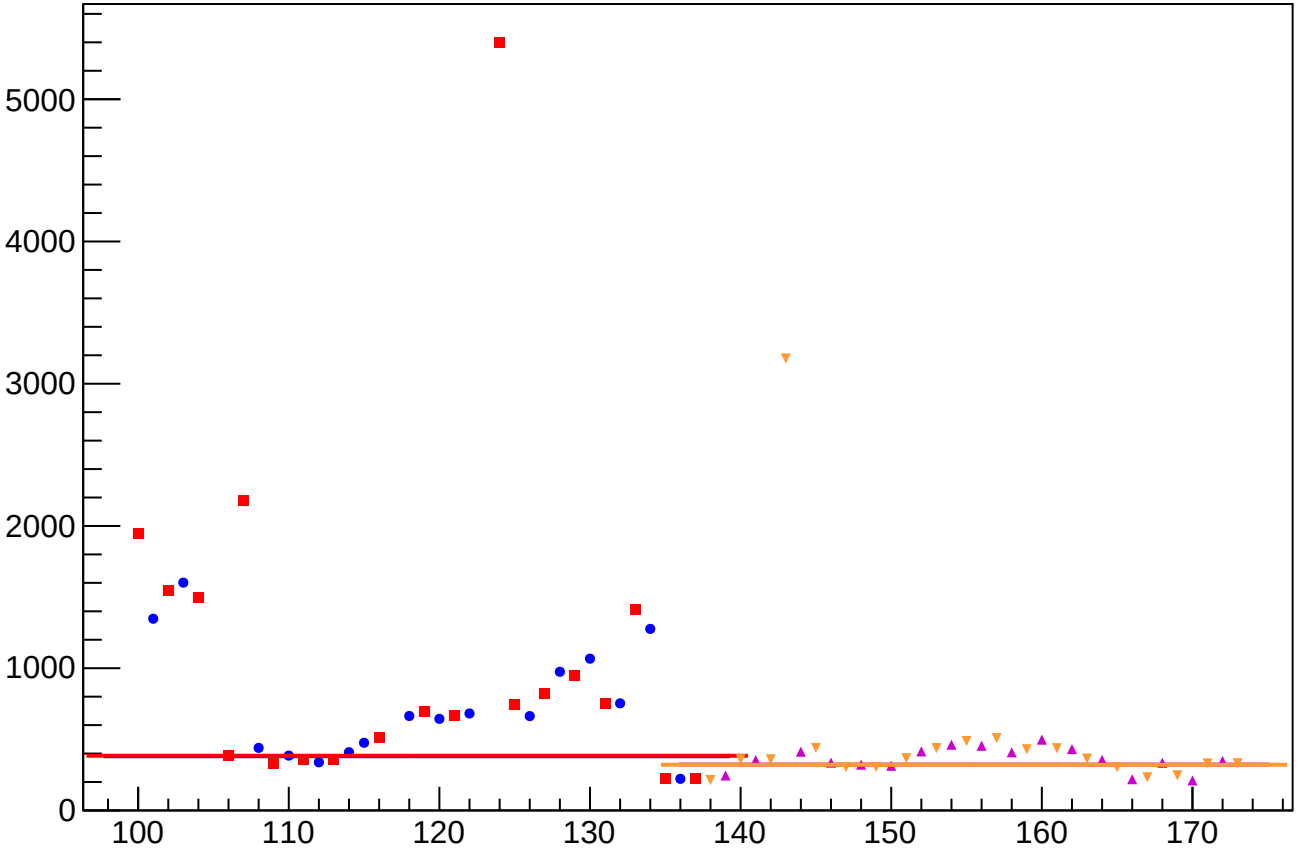
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -2.232+/-79.084 χ^2/NDF:35.8/32

Out: -151.337+/-78.149 χ^2/NDF:59.0/37

All: -77.671+/-55.587 χ^2/NDF: 96.6/70

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 321.264+/-0.062 χ^2/NDF:3046148.3/18

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 322.490+/-0.063 χ^2/NDF:1748838.0/16

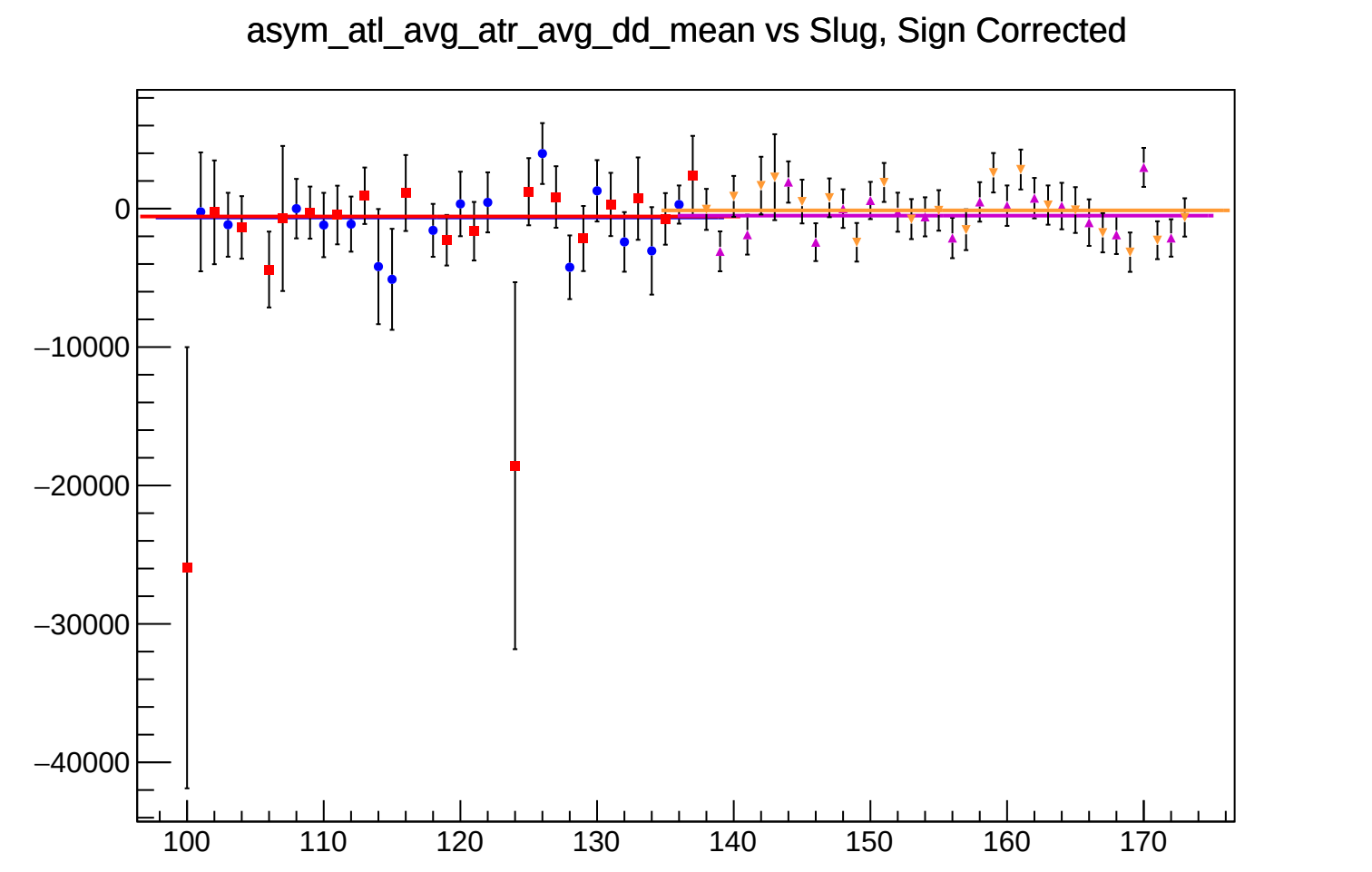
Left: 321.868+/-0.044 χ^2/NDF: 4795177.6/35

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 335.234+/-0.056 χ^2/NDF:6254544.8/32

Out: 334.713+/-0.055 χ^2/NDF:7826197.7/37

All: 334.971+/-0.039 χ^2/NDF: 14080786.4/70



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -125.697+/-343.650 χ^2/NDF:24.6/18

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -506.572+/-349.291 χ^2/NDF:21.1/16

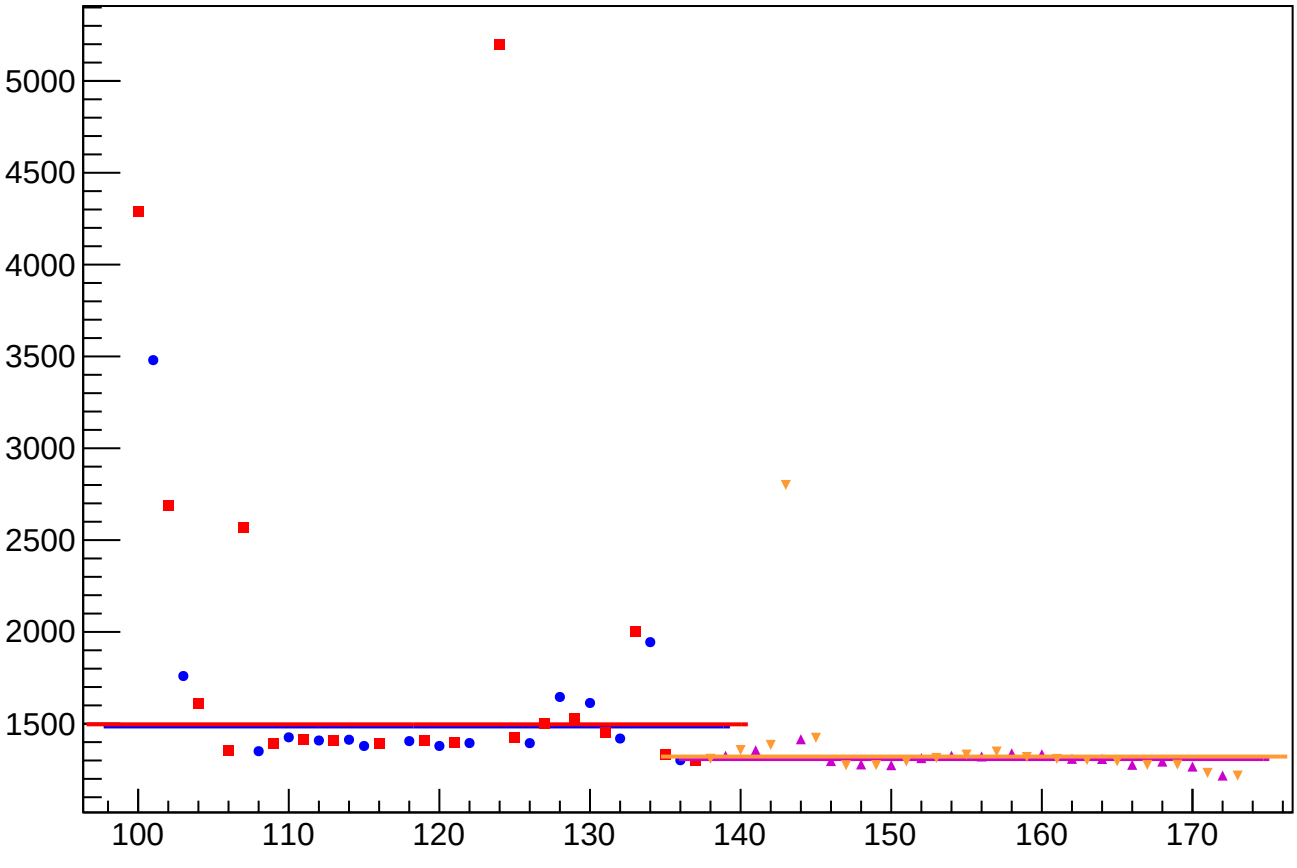
Left: -313.034+/-244.967 χ^2/NDF: 46.3/35

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -543.754+/-297.008 χ^2/NDF:33.6/32

Out: -244.391+/-293.854 χ^2/NDF:36.4/37

All: -392.475+/-208.893 χ^2/NDF: 70.5/70



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1321.317+/-0.243 χ^2/NDF:496388.0/18

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1307.845+/-0.247 χ^2/NDF:28689.9/16

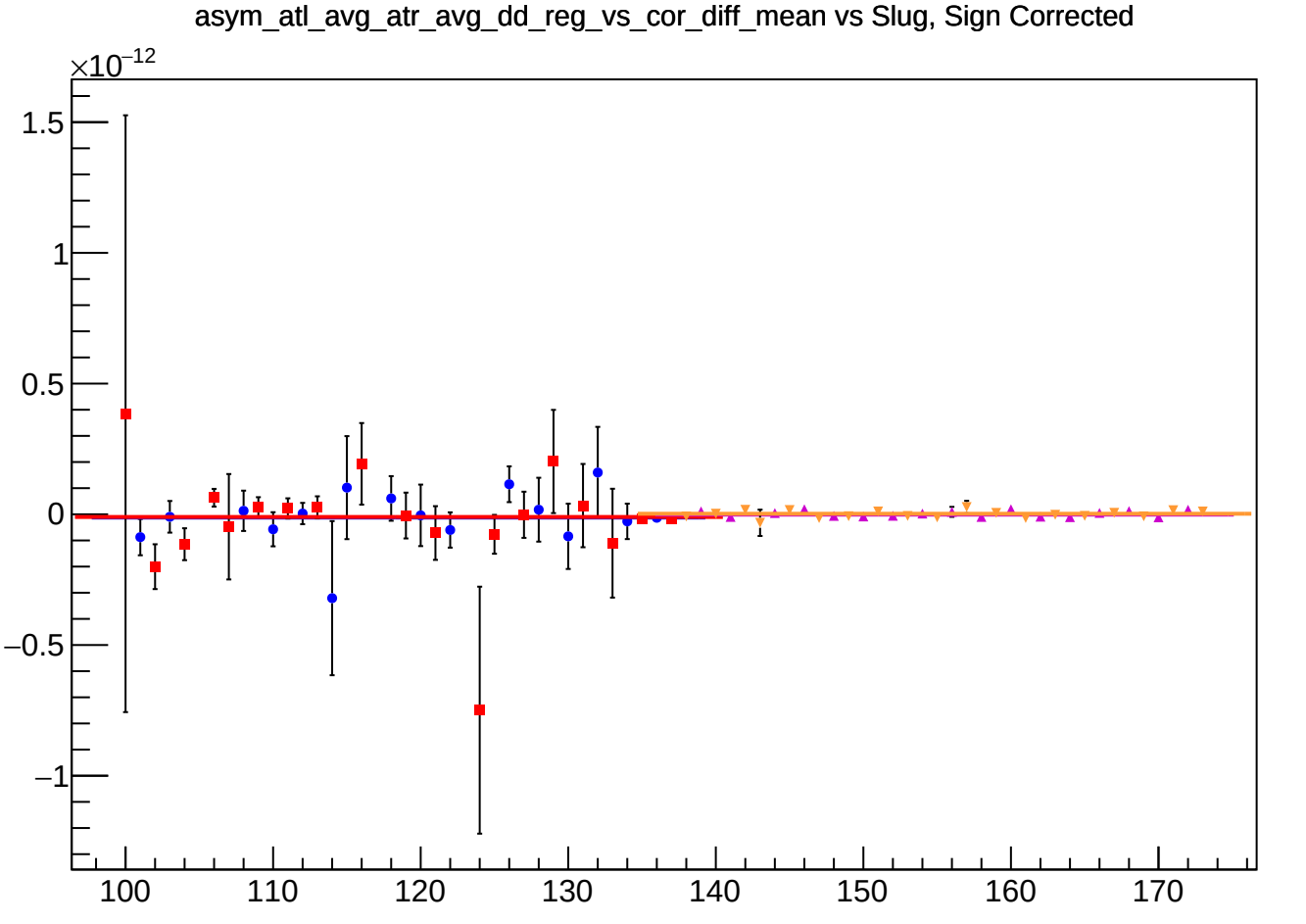
Left: 1314.690+/-0.173 χ^2/NDF: 526589.7/35

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1357.012+/-0.210 χ^2/NDF:756245.0/32

Out: 1368.506+/-0.208 χ^2/NDF:1259974.6/37

All: 1362.820+/-0.148 χ^2/NDF: 2017733.2/70



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:21.3/16

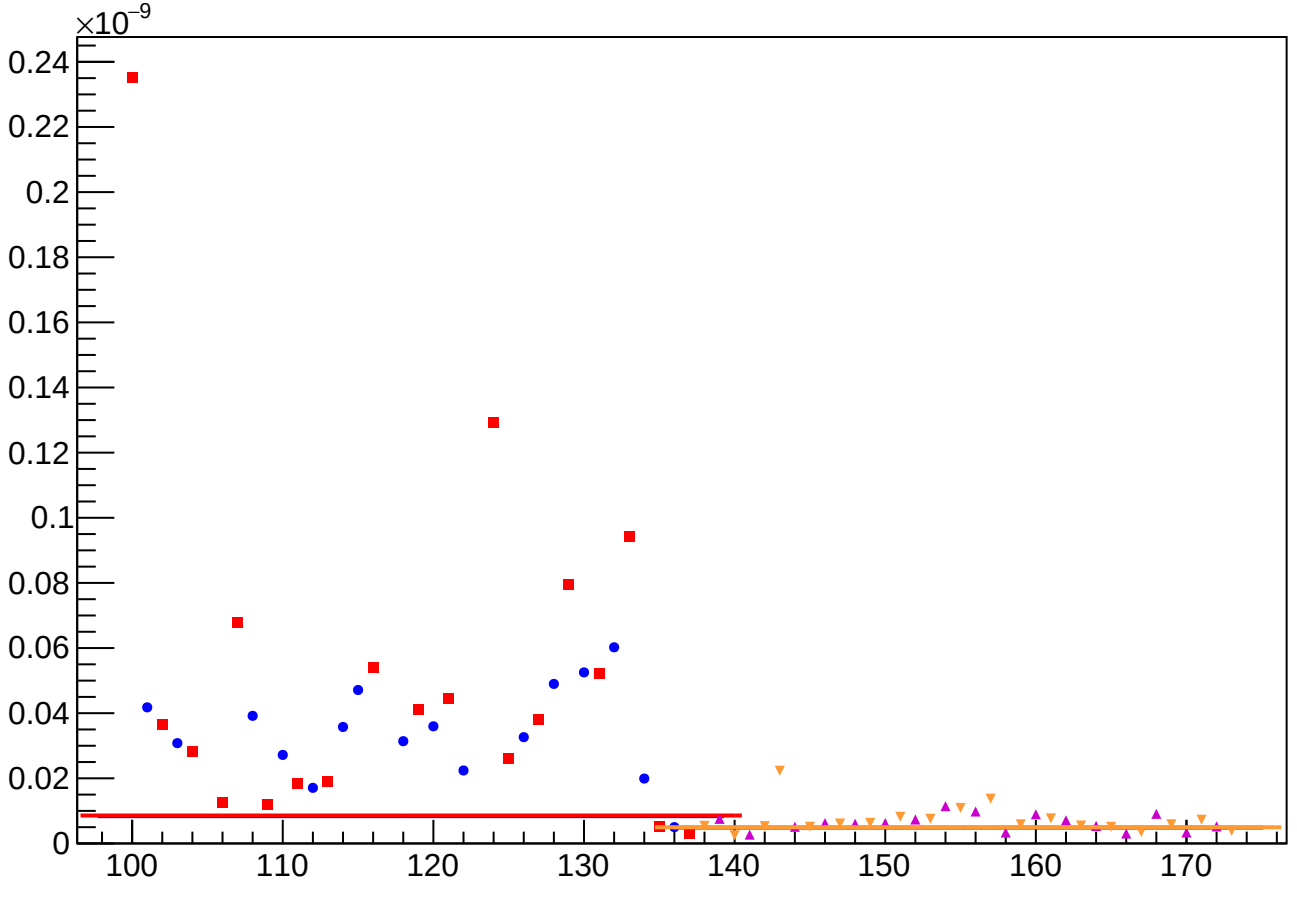
Left: 0.000+/-0.000 χ^2/NDF: 40.7/35

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:32.8/32

Out: 0.000+/-0.000 χ^2/NDF:42.7/37

All: -0.000+/-0.000 χ^2/NDF: 76.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1880418.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1690417.0/16

Left: 0.000+/-0.000 χ^2/NDF: 3573307.4/35

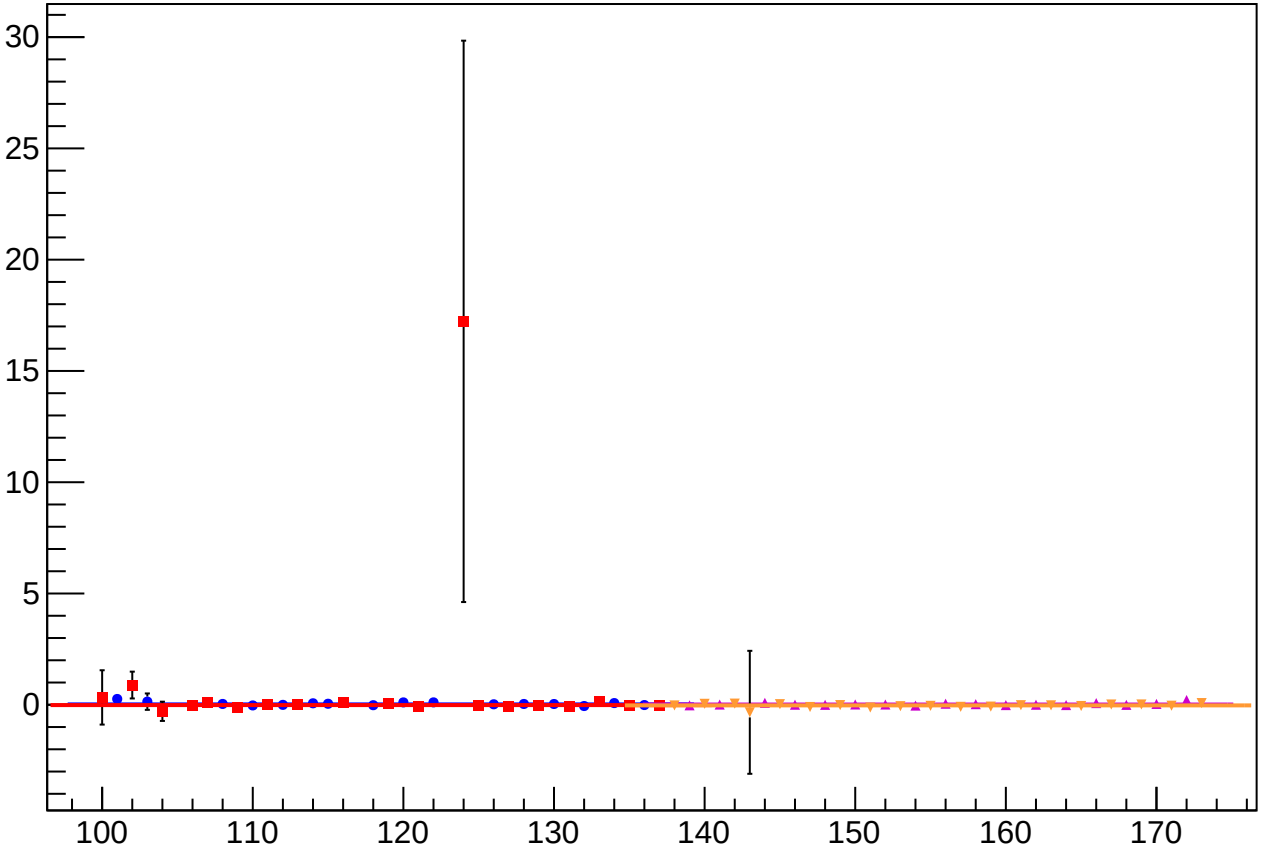
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5159830.8/32

Out: 0.000+/-0.000 χ^2/NDF:5605195.1/37

All: 0.000+/-0.000 χ^2/NDF: 10765807.7/70

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: -0.027+/-0.010 χ^2/NDF:23.7/18

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.6/16

Left: -0.008+/-0.007 χ^2/NDF: 42.5/35

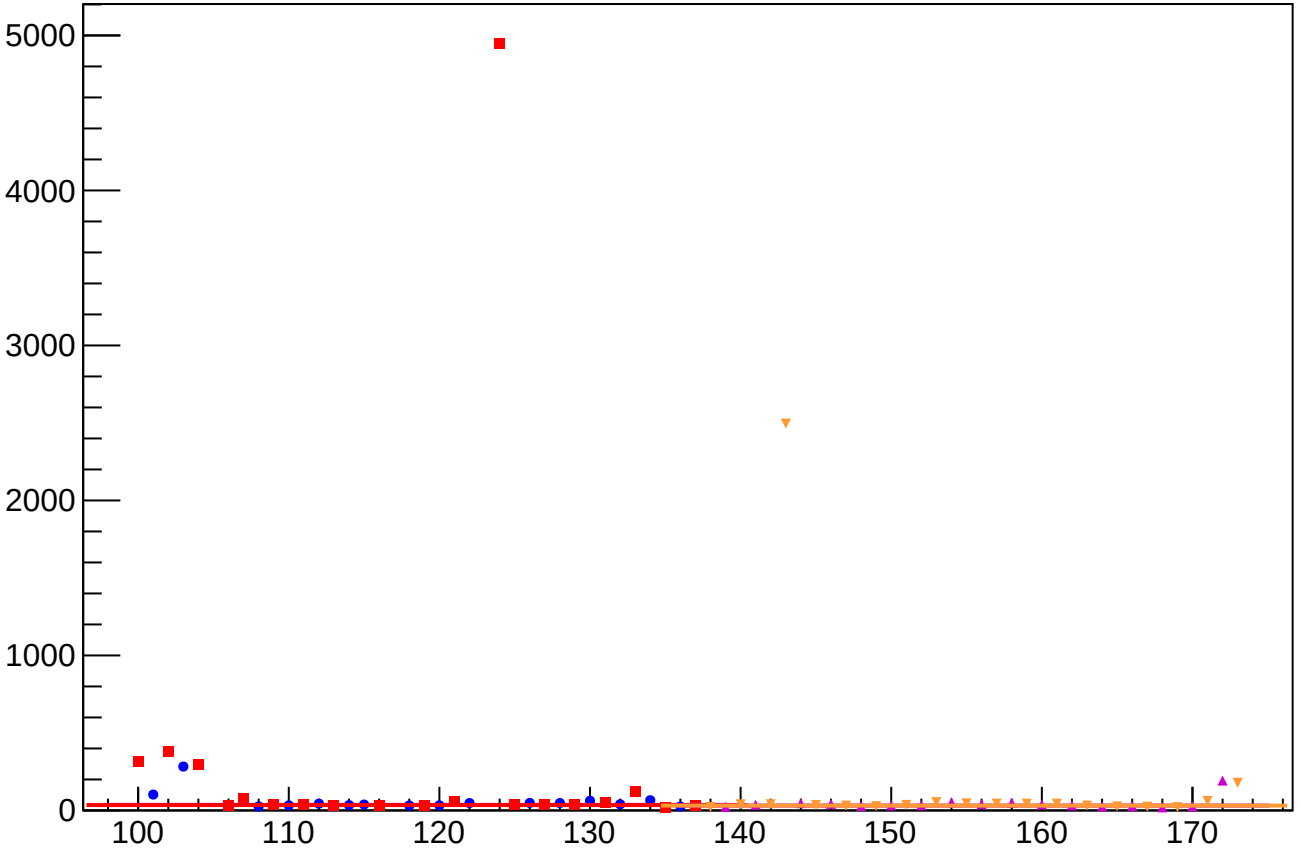
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/32

Out: -0.024+/-0.008 χ^2/NDF:40.3/37

All: -0.005+/-0.006 χ^2/NDF: 72.5/70

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: 31.370+/-0.007 χ^2/NDF:4431631.9/18

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.477+/-0.007 χ^2/NDF:2795037.4/16

Left: 31.423+/-0.005 χ^2/NDF: 7226795.1/35

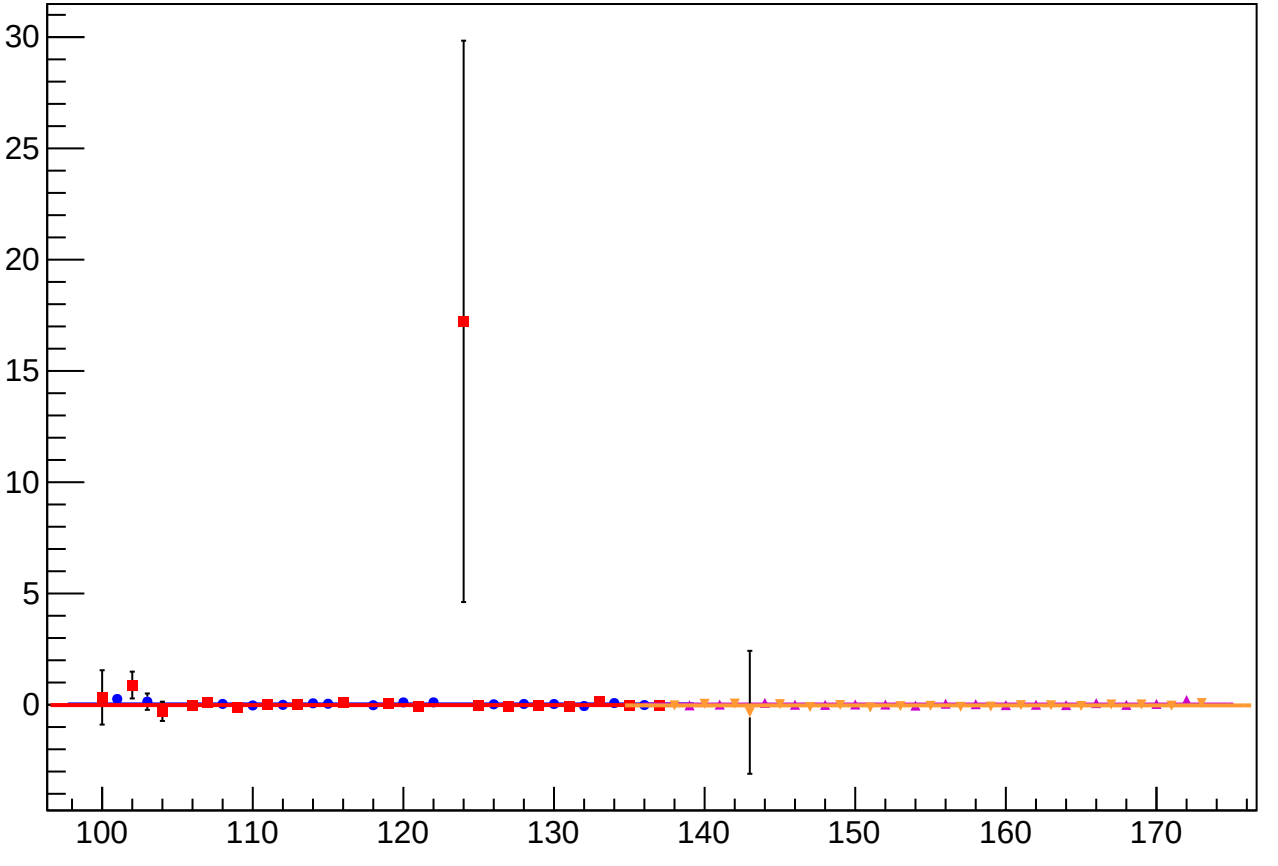
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.653+/-0.006 χ^2/NDF:5170259.7/32

Out: 32.301+/-0.006 χ^2/NDF:7415868.7/37

All: 32.478+/-0.004 χ^2/NDF: 12588000.6/70

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: -0.027+/-0.010 χ^2/NDF:23.7/18

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.6/16

Left: -0.008+/-0.007 χ^2/NDF: 42.5/35

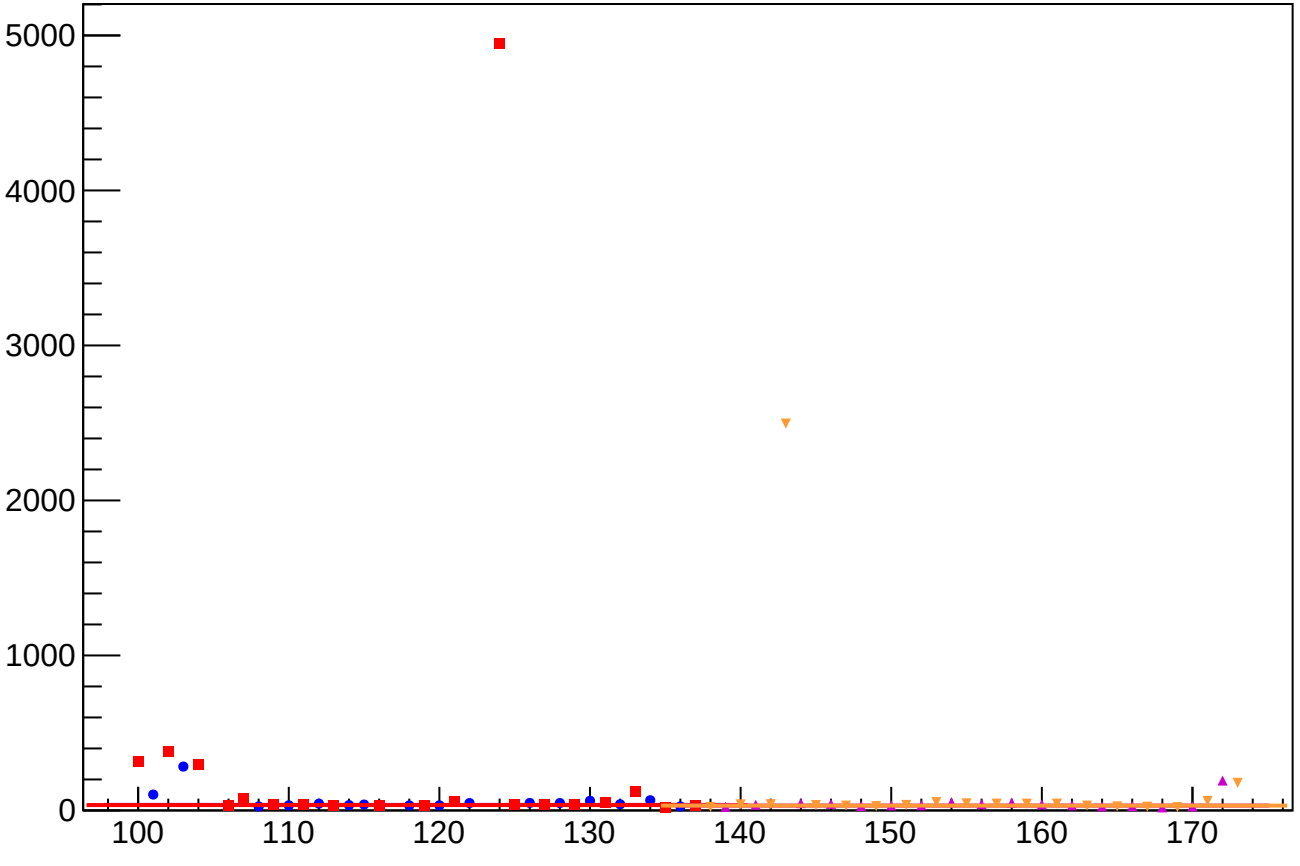
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/32

Out: -0.024+/-0.008 χ^2/NDF:40.3/37

All: -0.005+/-0.006 χ^2/NDF: 72.5/70

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: 31.370+/-0.007 χ^2/NDF:4431631.9/18

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.477+/-0.007 χ^2/NDF:2795037.4/16

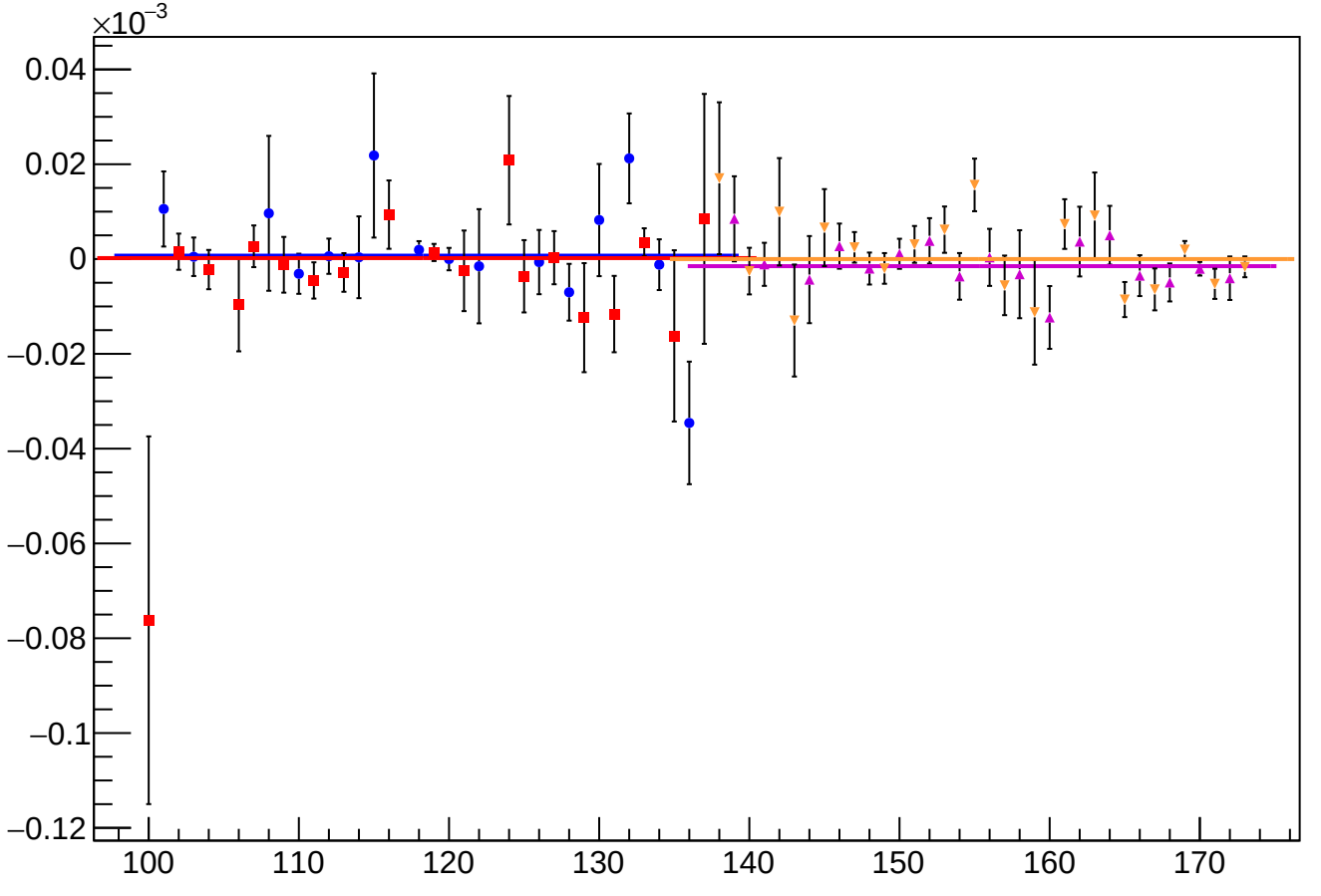
Left: 31.423+/-0.005 χ^2/NDF: 7226795.1/35

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.653+/-0.006 χ^2/NDF:5170259.7/32

Out: 32.301+/-0.006 χ^2/NDF:7415868.7/37

All: 32.478+/-0.004 χ^2/NDF: 12588000.6/70



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:10.1/16

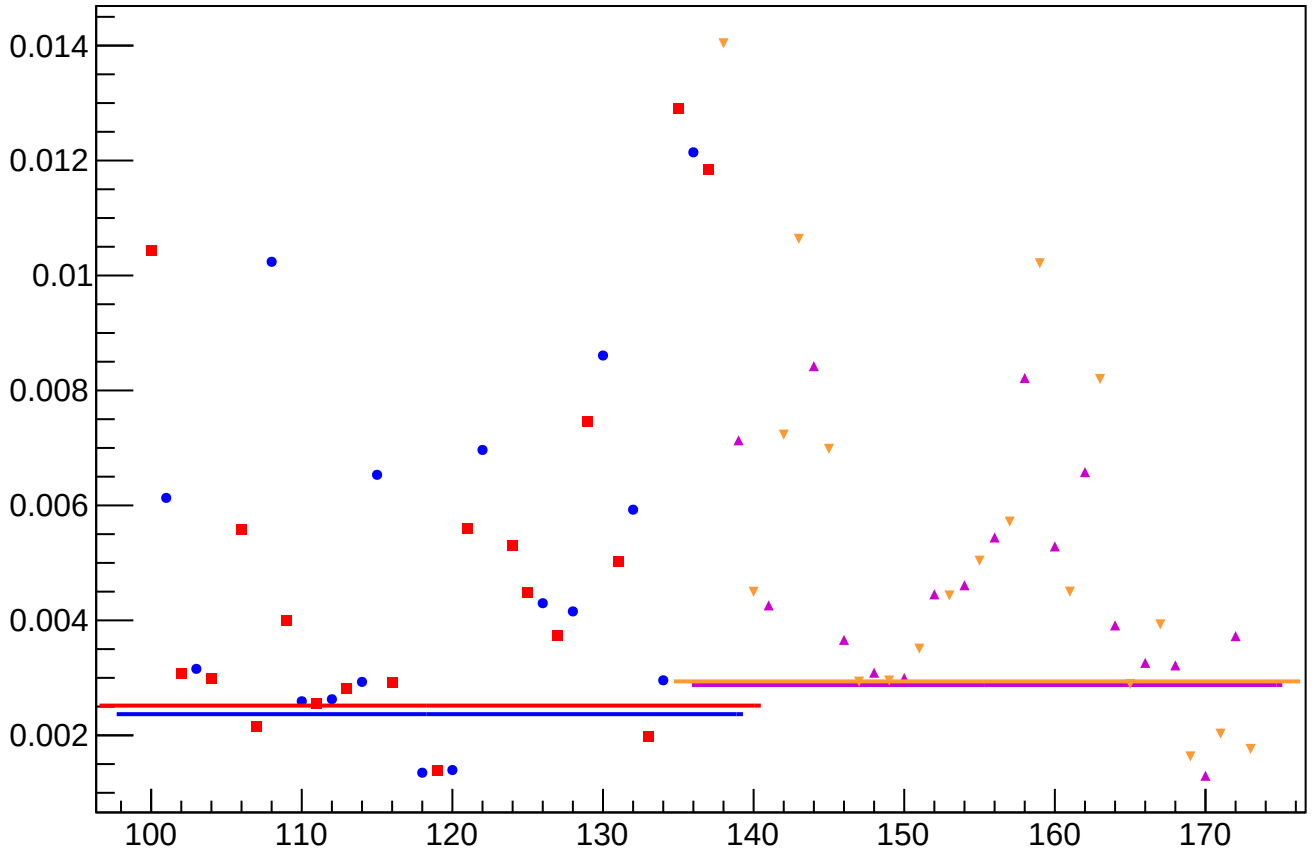
Left: -0.000+/-0.000 χ^2/NDF: 43.3/35

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:31.5/32

Out: 0.000+/-0.000 χ^2/NDF:50.0/37

All: -0.000+/-0.000 χ^2/NDF: 81.9/70



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:7277325.9/18

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.003+/-0.000 χ^2/NDF:6239601.8/16

Left: 0.003+/-0.000 χ^2/NDF: 13521508.8/35

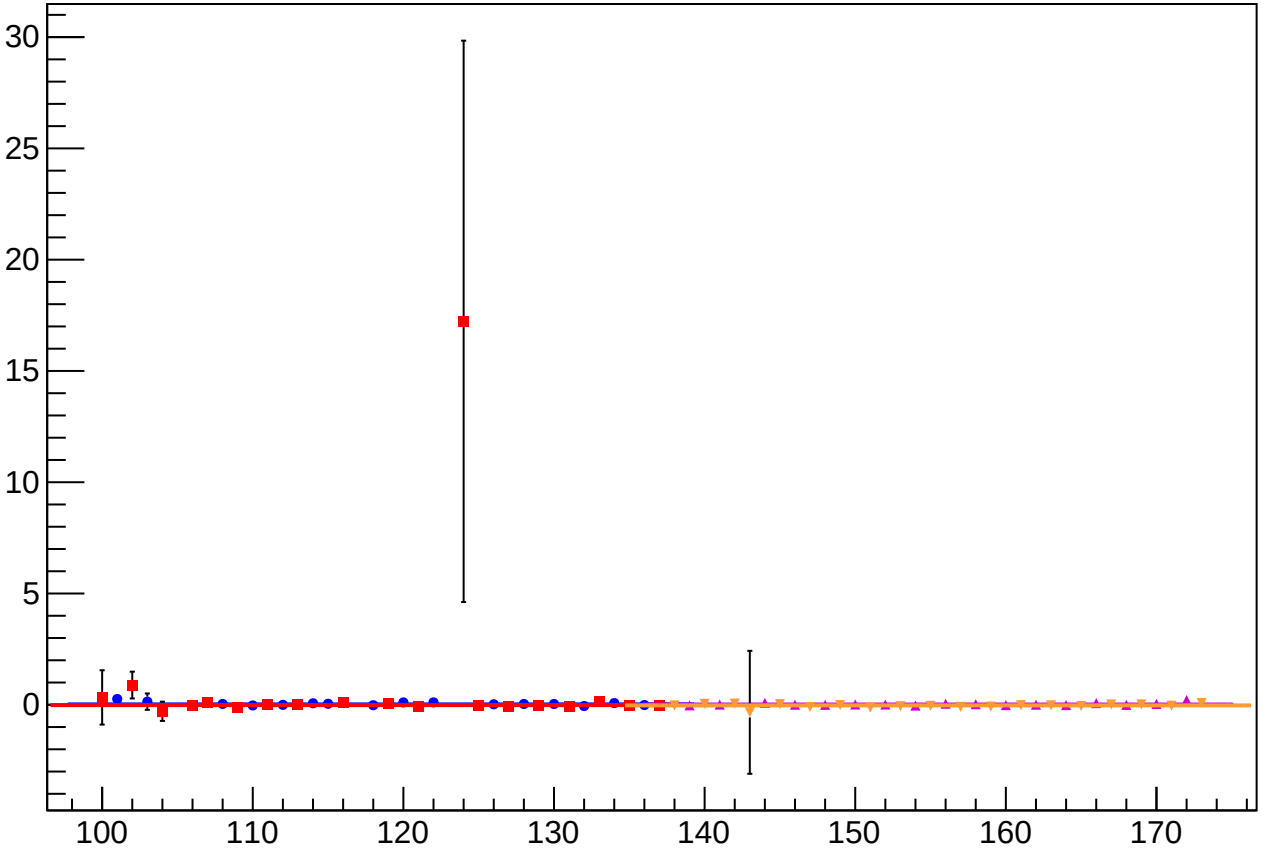
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:11206645.1/32

Out: 0.003+/-0.000 χ^2/NDF:10856478.5/37

All: 0.003+/-0.000 χ^2/NDF: 22082482.6/70

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: -0.027+/-0.010 χ^2/NDF:23.7/18

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/16

Left: -0.008+/-0.007 χ^2/NDF: 42.5/35

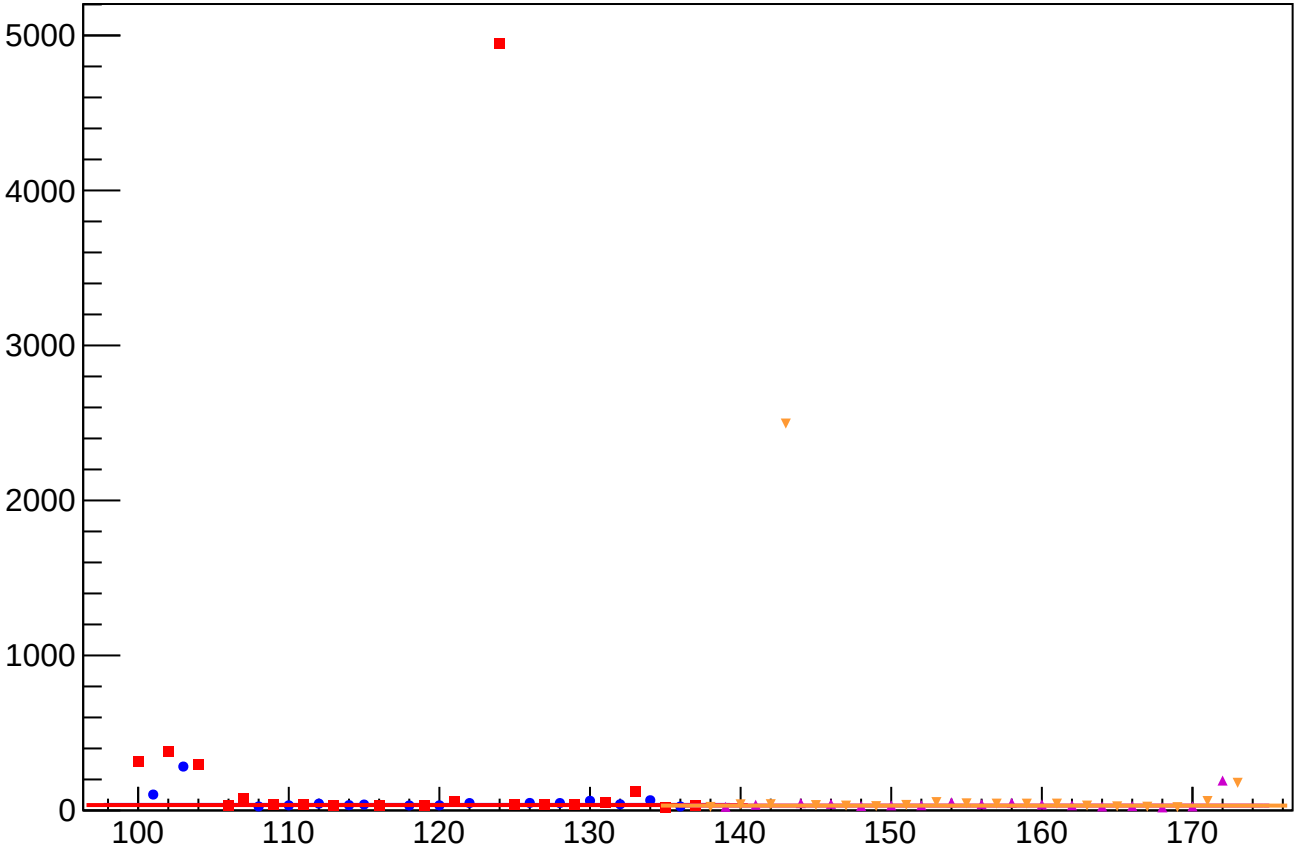
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/32

Out: -0.024+/-0.008 χ^2/NDF:40.3/37

All: -0.005+/-0.006 χ^2/NDF: 72.5/70

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: 31.370+/-0.007 χ^2/NDF:4431889.4/18

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.475+/-0.007 χ^2/NDF:2795602.4/16

Left: 31.423+/-0.005 χ^2/NDF: 7227615.1/35

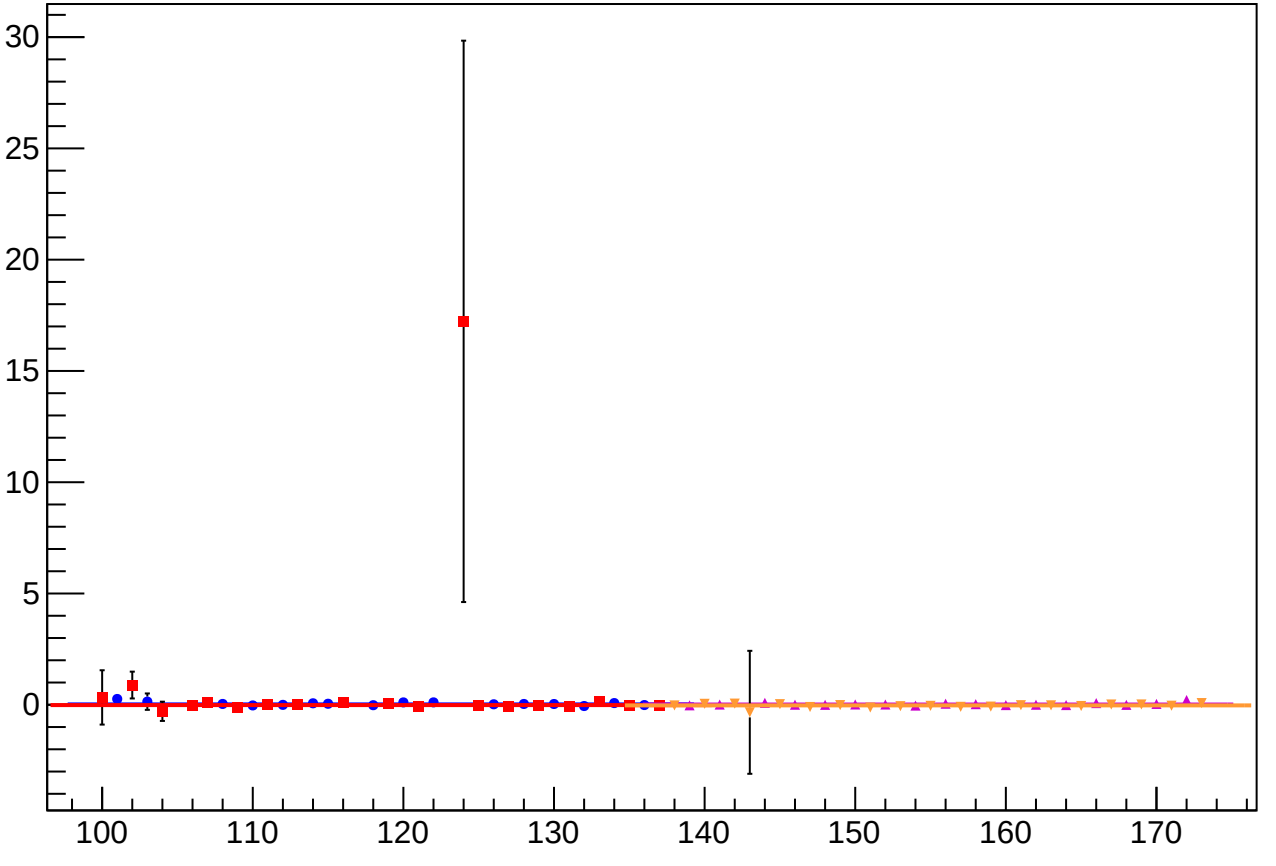
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 32.652+/-0.006 χ^2/NDF:5170689.4/32

Out: 32.301+/-0.006 χ^2/NDF:7415996.6/37

All: 32.478+/-0.004 χ^2/NDF: 12588551.1/70

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: -0.027+/-0.010 χ^2/NDF:23.7/18

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/16

Left: -0.008+/-0.007 χ^2/NDF: 42.5/35

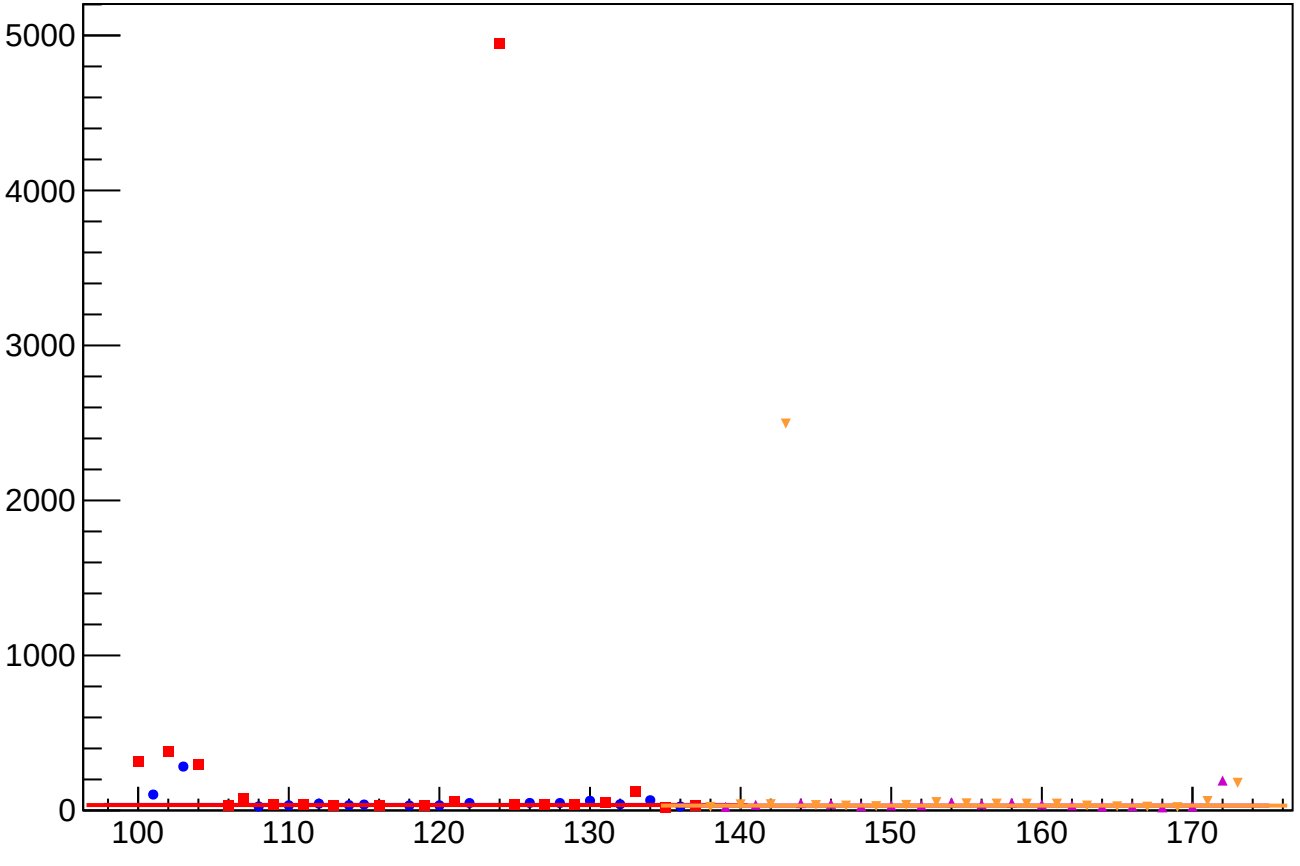
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/32

Out: -0.024+/-0.008 χ^2/NDF:40.3/37

All: -0.005+/-0.006 χ^2/NDF: 72.5/70

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: 31.370+/-0.007 χ^2/NDF:4431889.4/18

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.475+/-0.007 χ^2/NDF:2795602.4/16

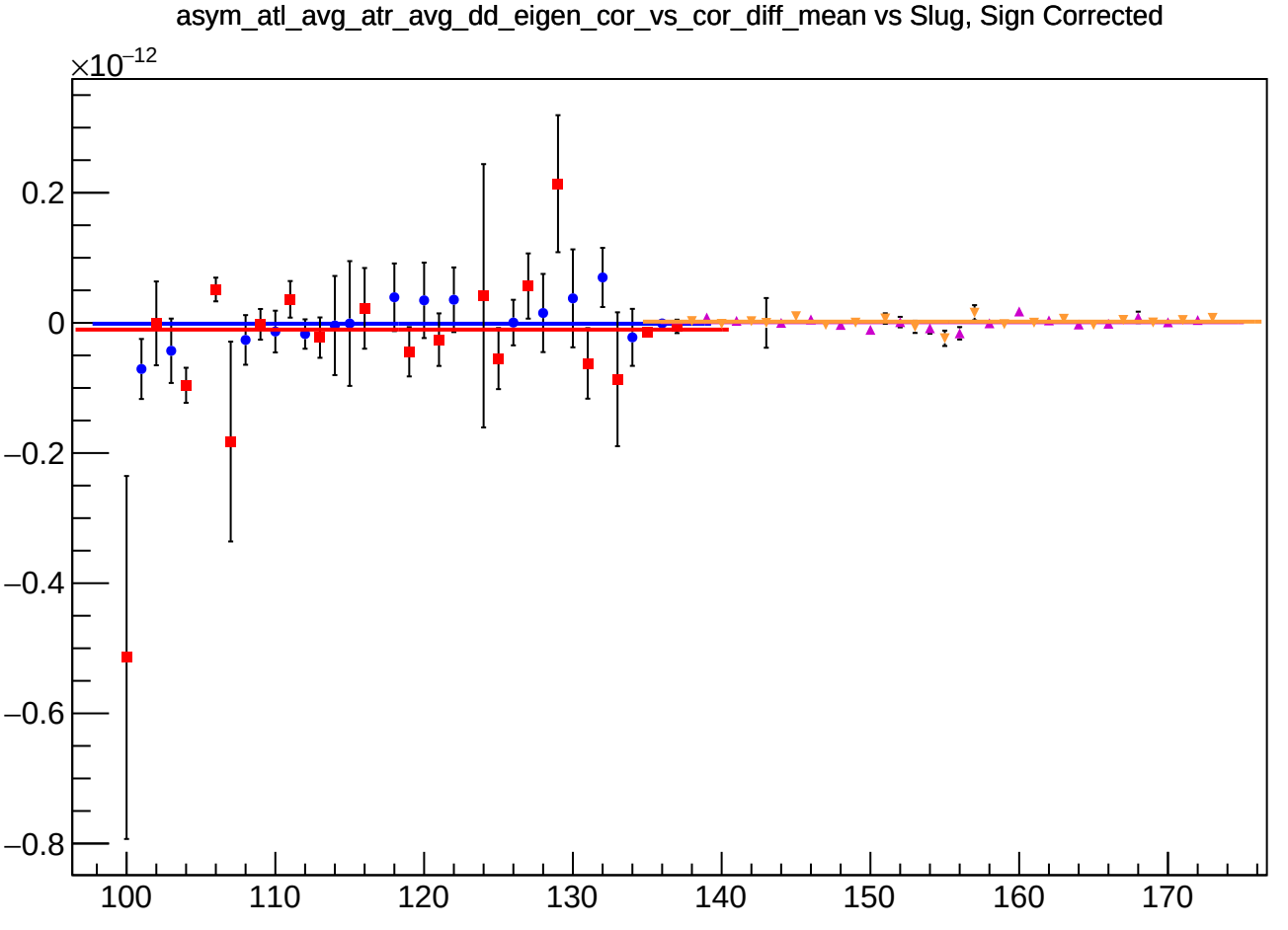
Left: 31.423+/-0.005 χ^2/NDF: 7227615.1/35

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 32.652+/-0.006 χ^2/NDF:5170689.4/32

Out: 32.301+/-0.006 χ^2/NDF:7415996.6/37

All: 32.478+/-0.004 χ^2/NDF: 12588551.1/70



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/18

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:19.0/16

Left: 0.000+/-0.000 χ^2/NDF: 33.9/35

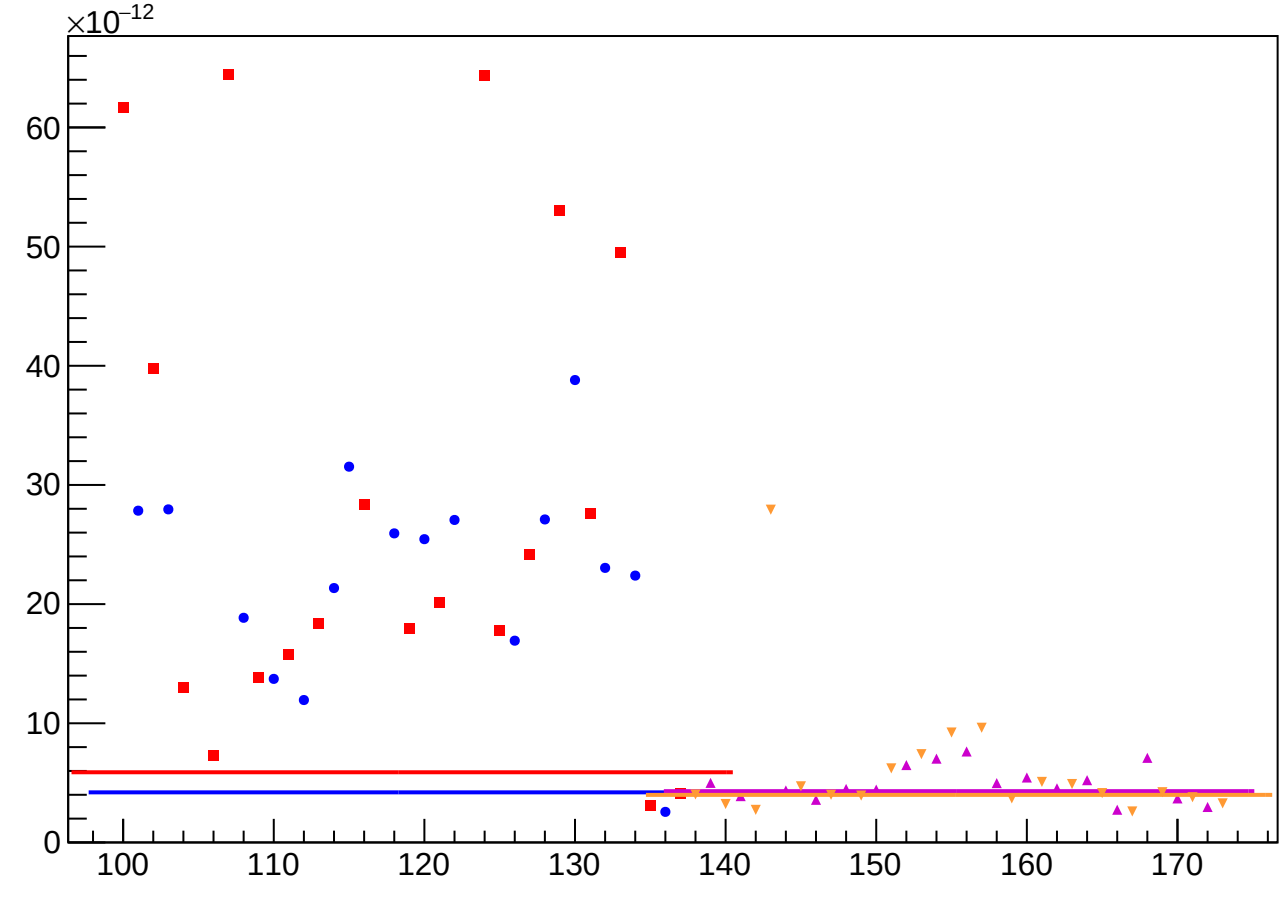
Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:28.0/32

Out: 0.000+/-0.000 χ^2/NDF:62.3/37

All: 0.000+/-0.000 χ^2/NDF: 90.3/70

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2714692.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1493959.3/16

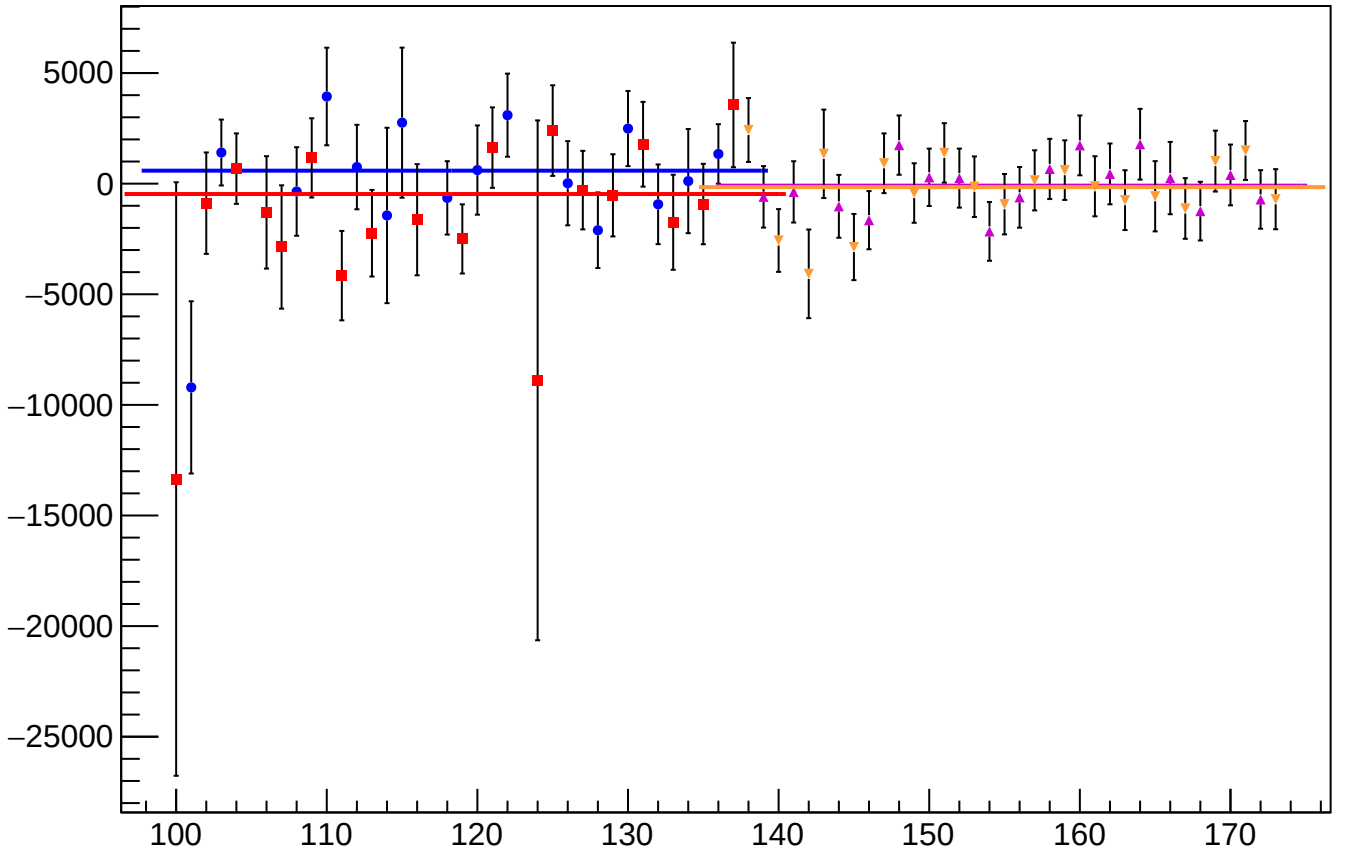
Left: 0.000+/-0.000 χ^2/NDF: 4260257.4/35

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:6575665.0/32

Out: 0.000+/-0.000 χ^2/NDF:7949925.0/37

All: 0.000+/-0.000 χ^2/NDF: 14534564.7/70



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -157.008+/-326.275 χ^2/NDF:19.7/18

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -90.575+/-333.783 χ^2/NDF:11.4/16

Left: -124.547+/-233.320 χ^2/NDF: 31.1/35

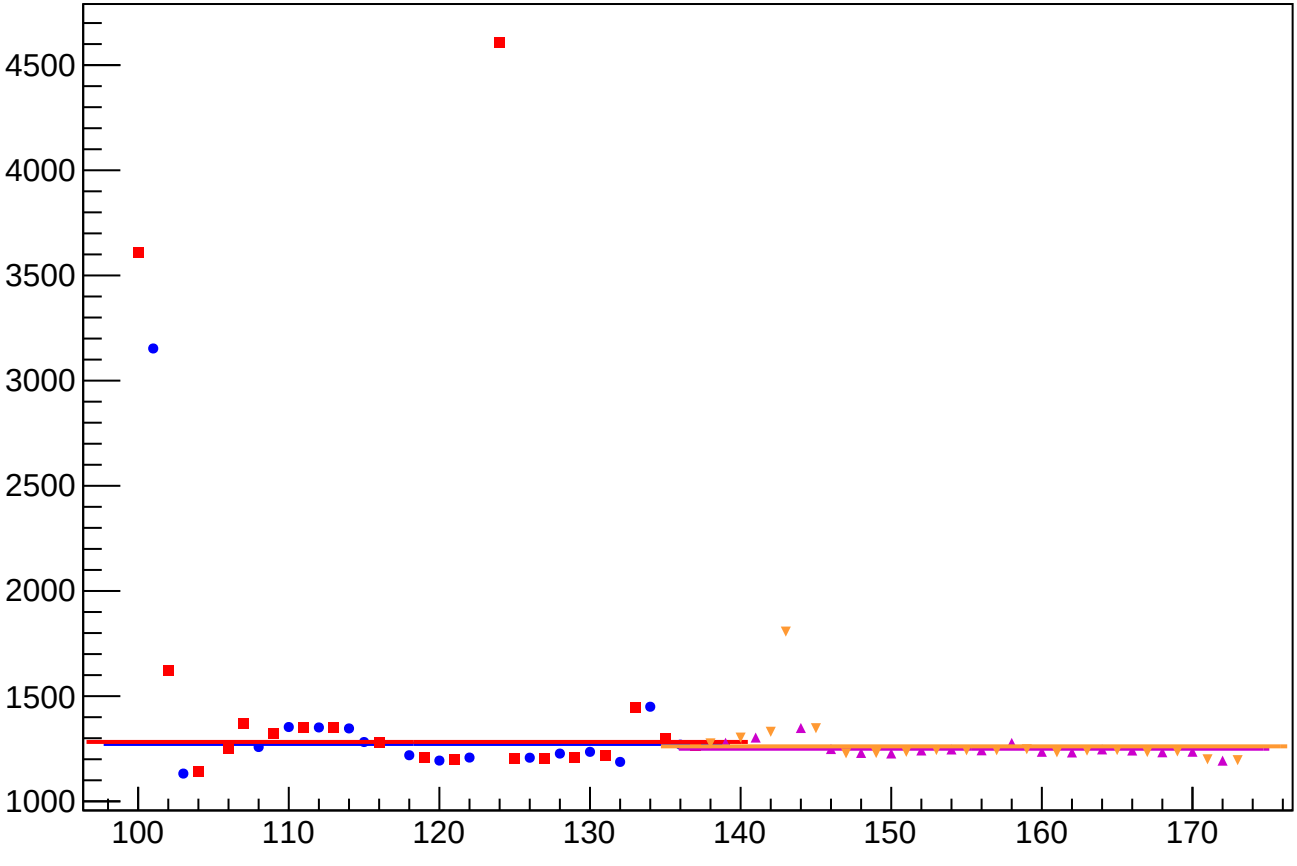
Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 128.752+/-274.489 χ^2/NDF:29.8/32

Out: -255.465+/-269.930 χ^2/NDF:36.8/37

All: -66.574+/-192.461 χ^2/NDF: 67.6/70

reg_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1261.381+/-0.231 χ^2/NDF:176077.1/18

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1250.015+/-0.236 χ^2/NDF:20248.3/16

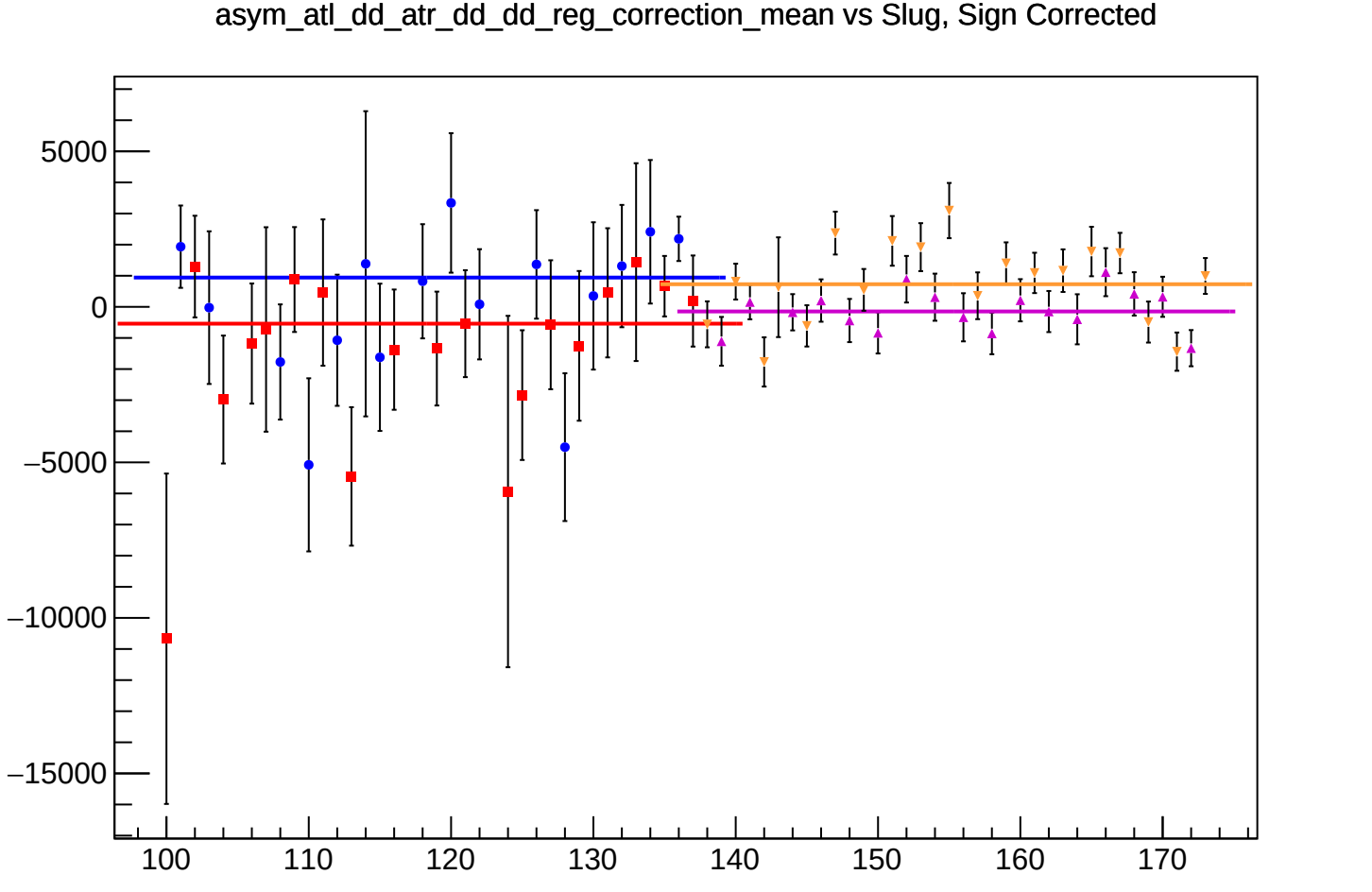
Left: 1255.827+/-0.165 χ^2/NDF: 197511.2/35

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1257.393+/-0.194 χ^2/NDF:542564.6/32

Out: 1268.003+/-0.191 χ^2/NDF:500766.2/37

All: 1262.787+/-0.136 χ^2/NDF: 1044849.9/70



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 727.376+/-161.526 χ^2/NDF:57.6/18

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -148.040+/-164.697 χ^2/NDF:15.1/16

Left: 298.177+/-115.321 χ^2/NDF: 87.1/35

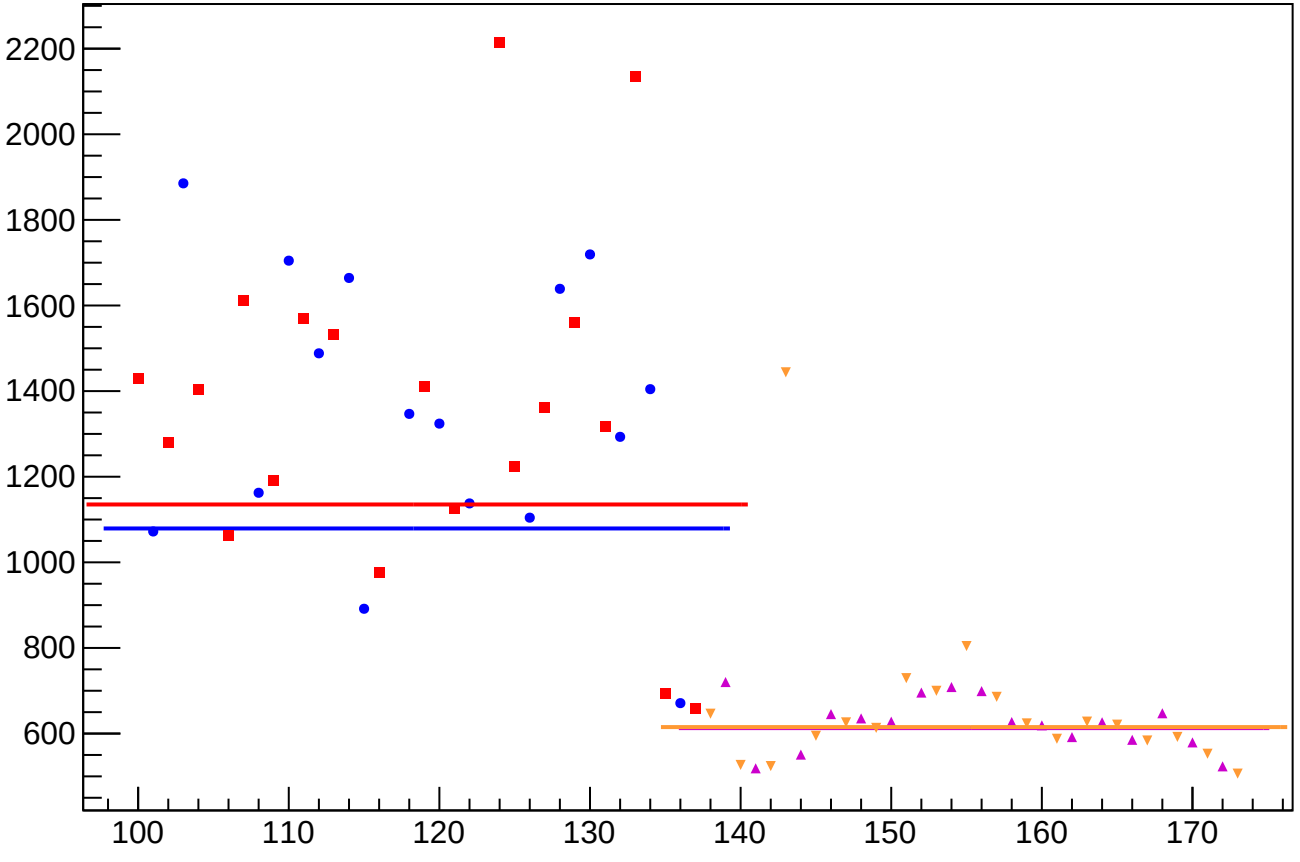
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: -6.235+/-153.609 χ^2/NDF:40.7/32

Out: 576.730+/-151.628 χ^2/NDF:82.0/37

All: 289.031+/-107.911 χ^2/NDF: 130.1/70

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: 615.116+/-0.114 χ^2/NDF:890828.6/18

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 612.733+/-0.116 χ^2/NDF:270769.5/16

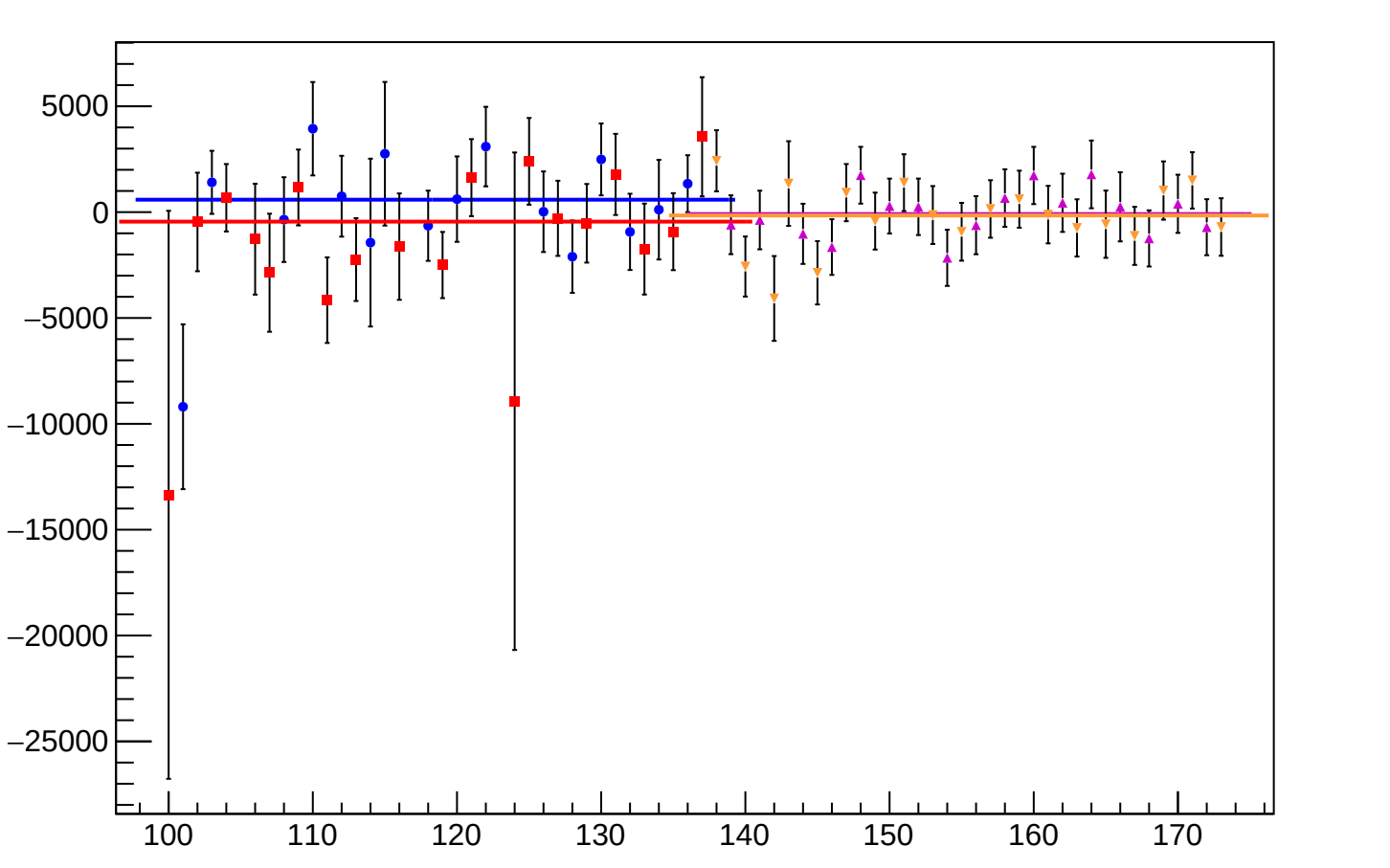
Left: 613.948+/-0.082 χ^2/NDF: 1161811.6/35

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 673.419+/-0.109 χ^2/NDF:3839870.1/32

Out: 676.901+/-0.107 χ^2/NDF:4646914.3/37

All: 675.183+/-0.076 χ^2/NDF: 8487304.7/70



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -157.072+/-326.275 χ^2/NDF:19.7/18

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -90.626+/-333.783 χ^2/NDF:11.4/16

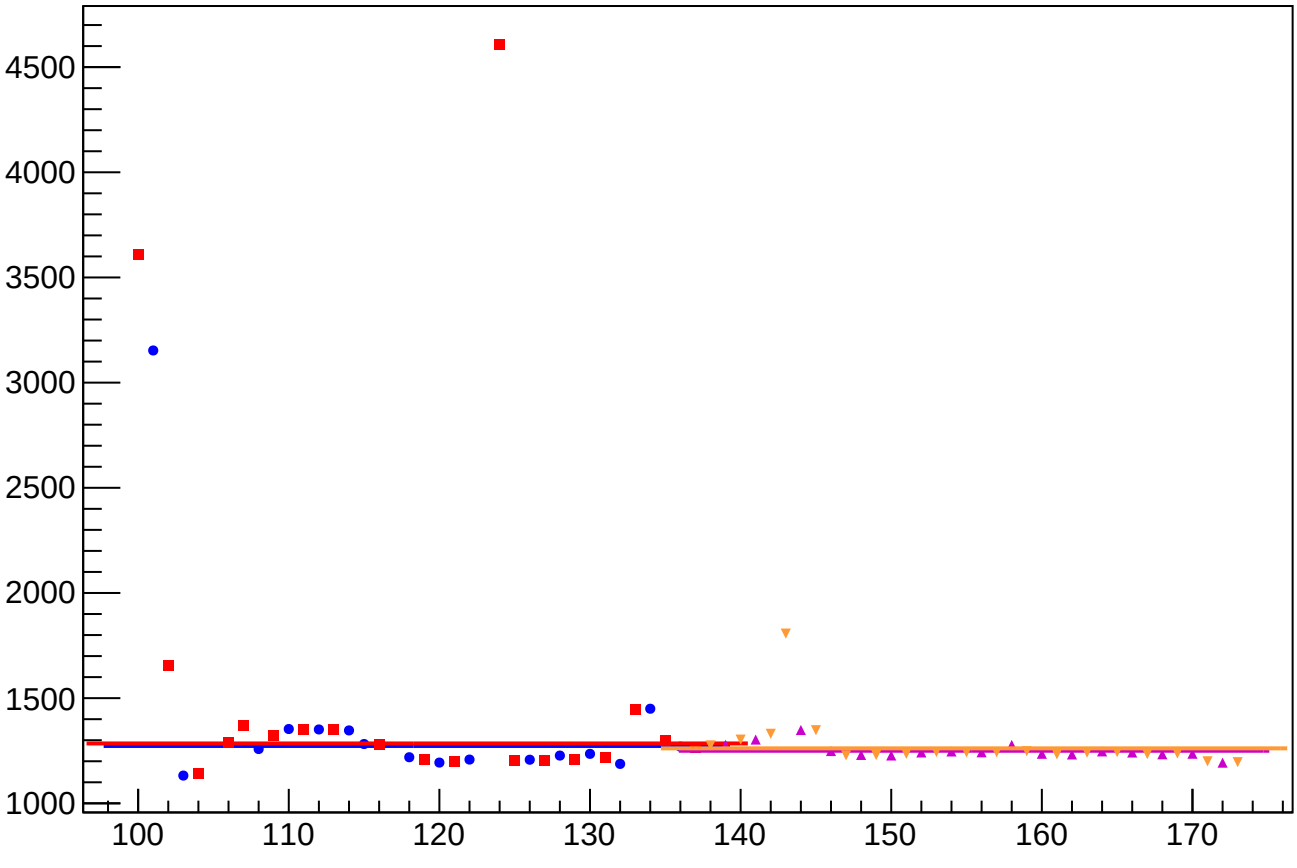
Left: -124.605+/-233.320 χ^2/NDF: 31.1/35

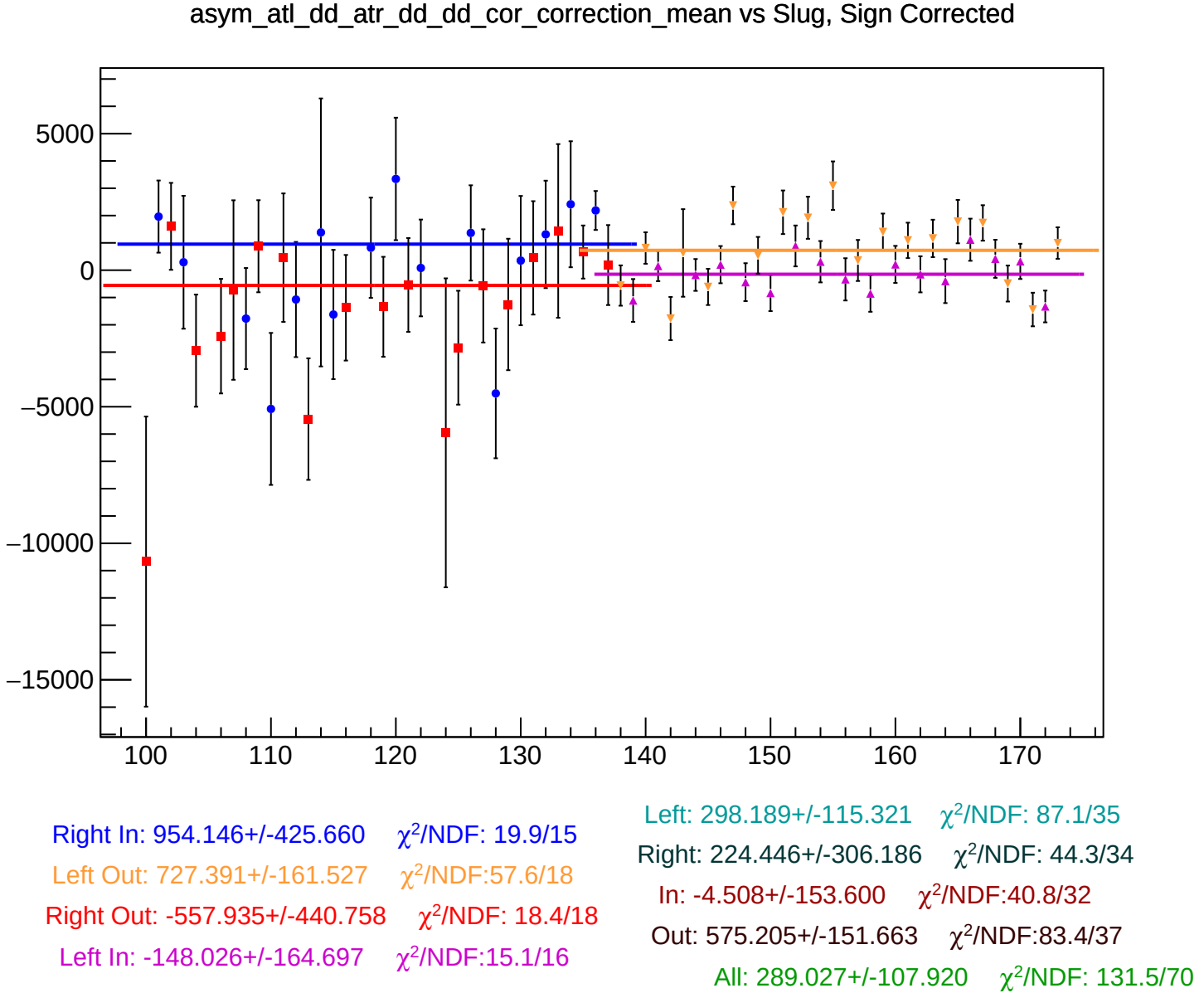
Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 128.820+/-274.489 χ^2/NDF:29.8/32

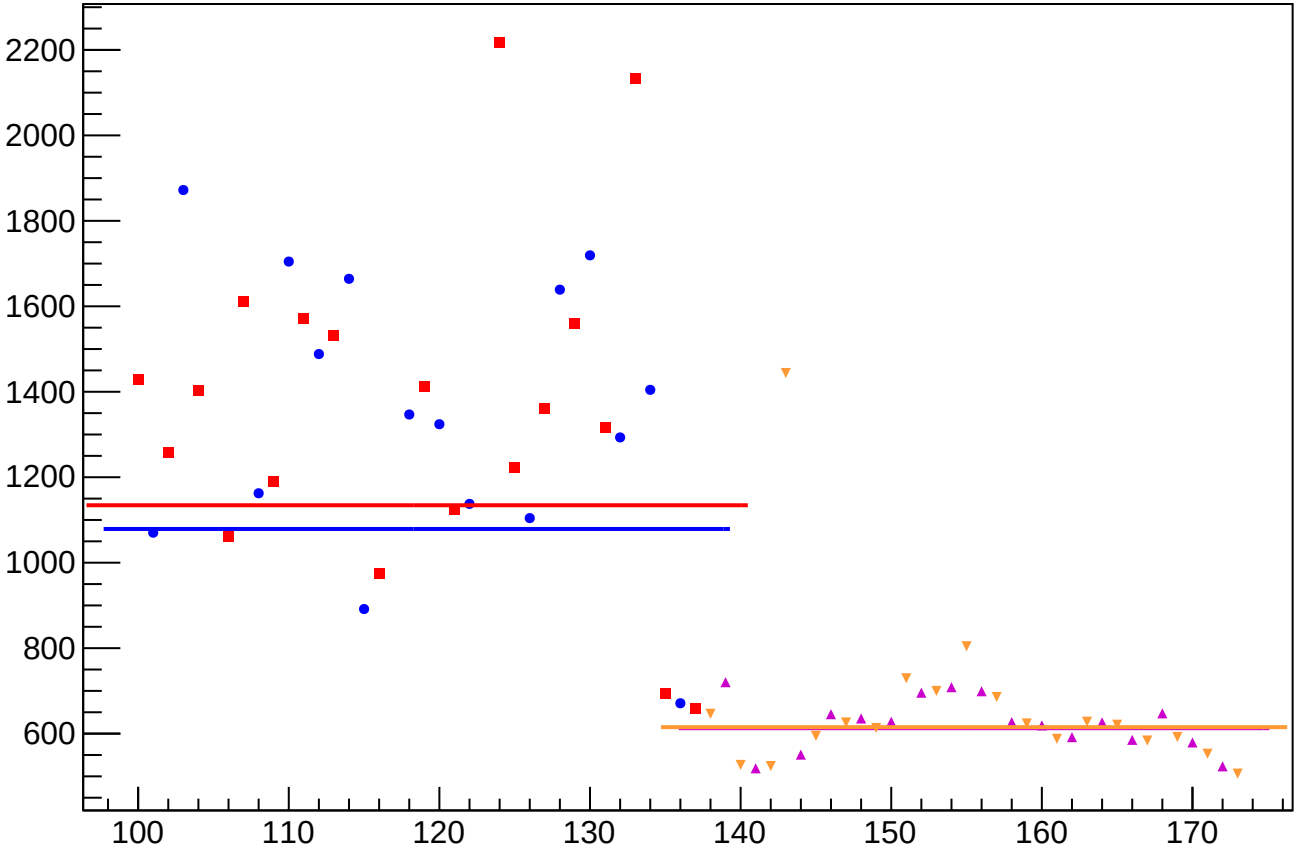
Out: -248.794+/-270.074 χ^2/NDF:36.7/37

All: -63.048+/-192.513 χ^2/NDF: 67.5/70


cor_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
Right In: 1272.804+/-0.341 χ²/NDF: 519299.6/15
Left Out: 1261.381+/-0.231 χ²/NDF:176077.0/18
Right Out: 1284.654+/-0.340 χ²/NDF: 328734.9/18
Left In: 1250.015+/-0.236 χ²/NDF:20248.3/16
Left: 1255.827+/-0.165 χ²/NDF: 197511.2/35
Right: 1278.743+/-0.241 χ²/NDF: 848639.3/34
In: 1257.393+/-0.194 χ²/NDF:542565.9/32
Out: 1268.708+/-0.191 χ²/NDF:508015.7/37
All: 1263.142+/-0.136 χ²/NDF: 1052308.6/70


asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 727.391+/-161.527 χ²/NDF:57.6/18
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -148.026+/-164.697 χ²/NDF:15.1/16
Left: 298.189+/-115.321 χ²/NDF: 87.1/35
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: -4.508+/-153.600 χ²/NDF:40.8/32
Out: 575.205+/-151.663 χ²/NDF:83.4/37
All: 289.027+/-107.920 χ²/NDF: 131.5/70

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: 615.118+/-0.114 χ^2/NDF:890780.2/18

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 612.730+/-0.116 χ^2/NDF:270782.3/16

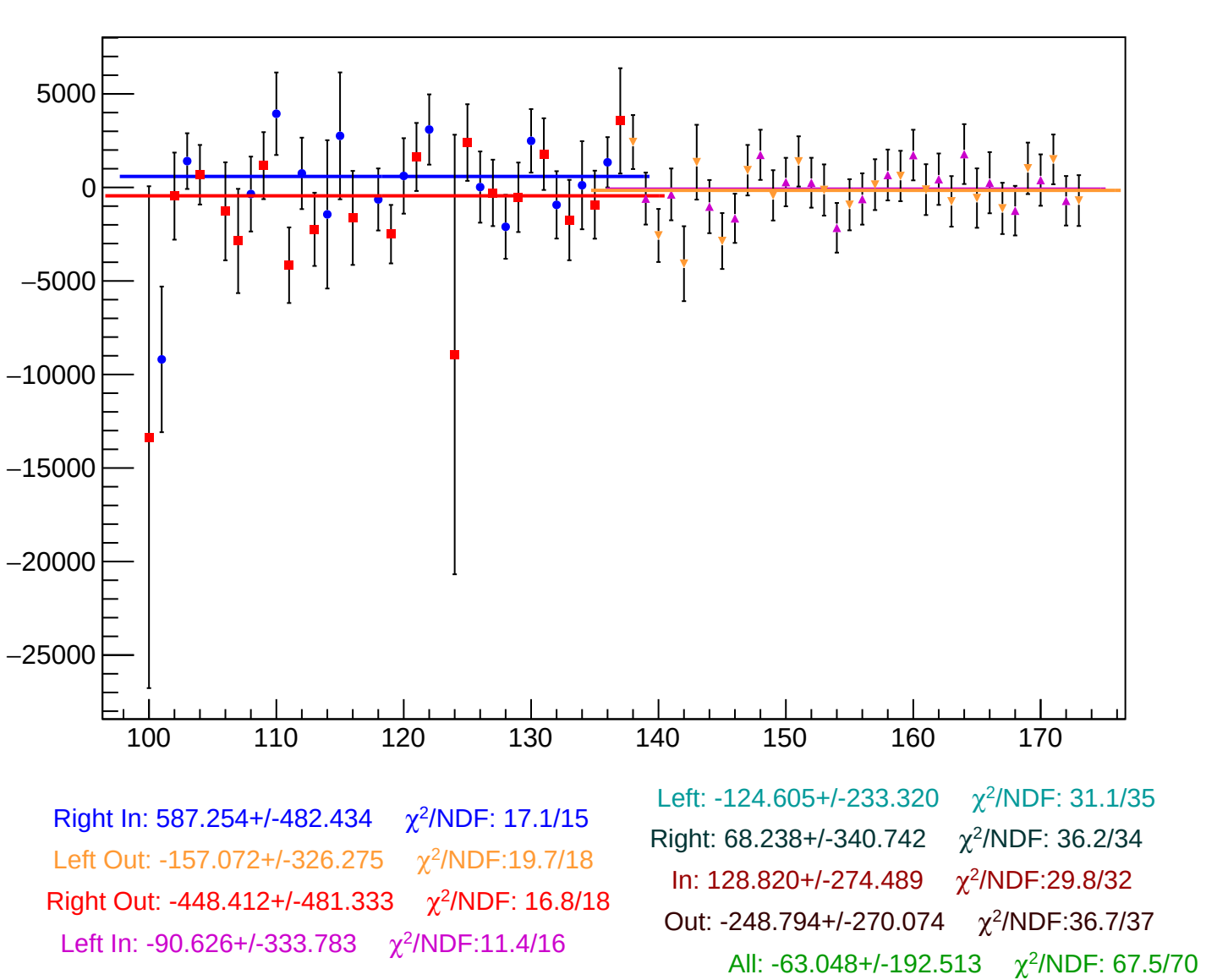
Left: 613.948+/-0.082 χ^2/NDF: 1161776.9/35

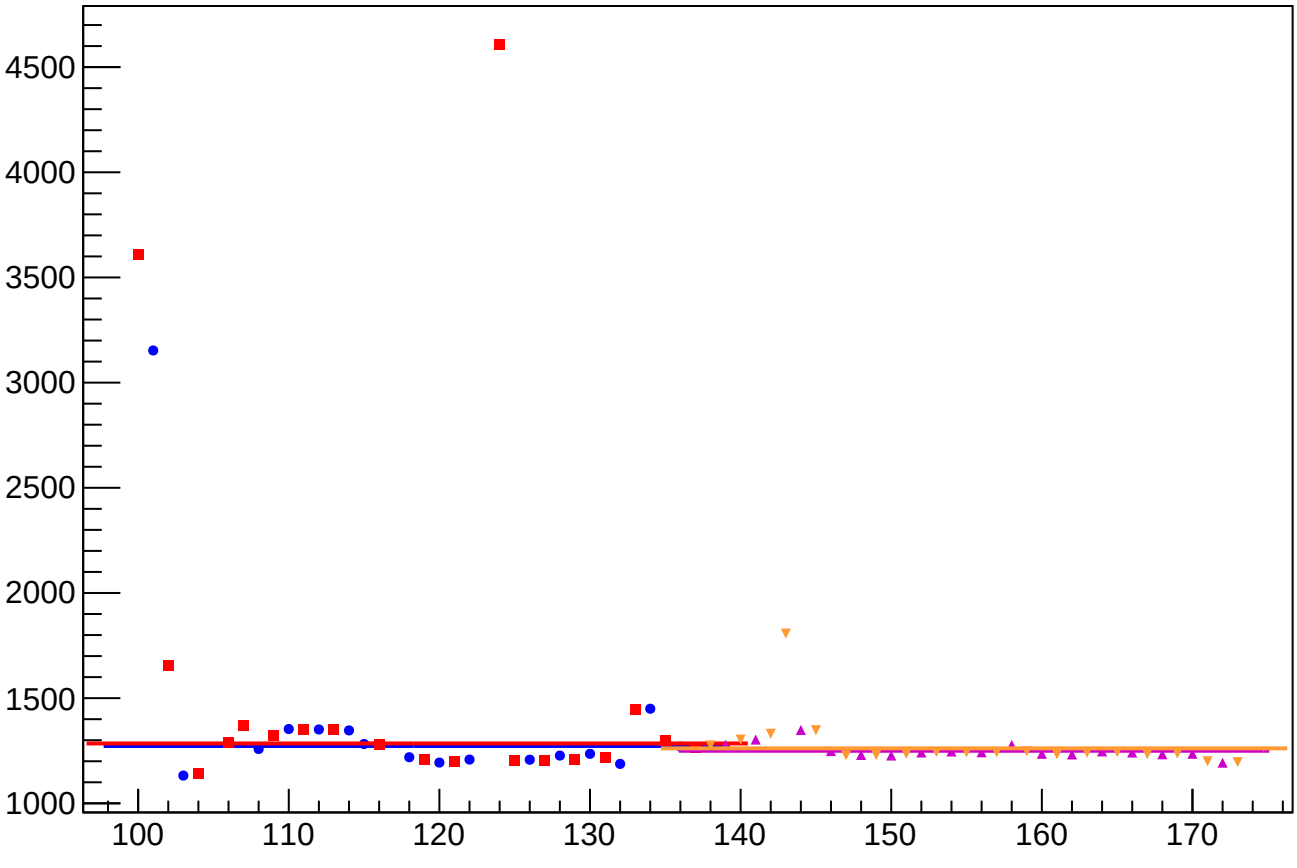
Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 673.436+/-0.109 χ^2/NDF:3836218.9/32

Out: 676.606+/-0.107 χ^2/NDF:4627348.9/37

All: 675.041+/-0.076 χ^2/NDF: 8463999.1/70


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
170
Right In: 587.254+/-482.434 χ²/NDF: 17.1/15
Left Out: -157.072+/-326.275 χ²/NDF:19.7/18
Right Out: -448.412+/-481.333 χ²/NDF: 16.8/18
Left In: -90.626+/-333.783 χ²/NDF:11.4/16
Left: -124.605+/-233.320 χ²/NDF: 31.1/35
Right: 68.238+/-340.742 χ²/NDF: 36.2/34
In: 128.820+/-274.489 χ²/NDF:29.8/32
Out: -248.794+/-270.074 χ²/NDF:36.7/37
All: -63.048+/-192.513 χ²/NDF: 67.5/70



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1261.381+/-0.231 χ^2/NDF:176077.0/18

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1250.015+/-0.236 χ^2/NDF:20248.3/16

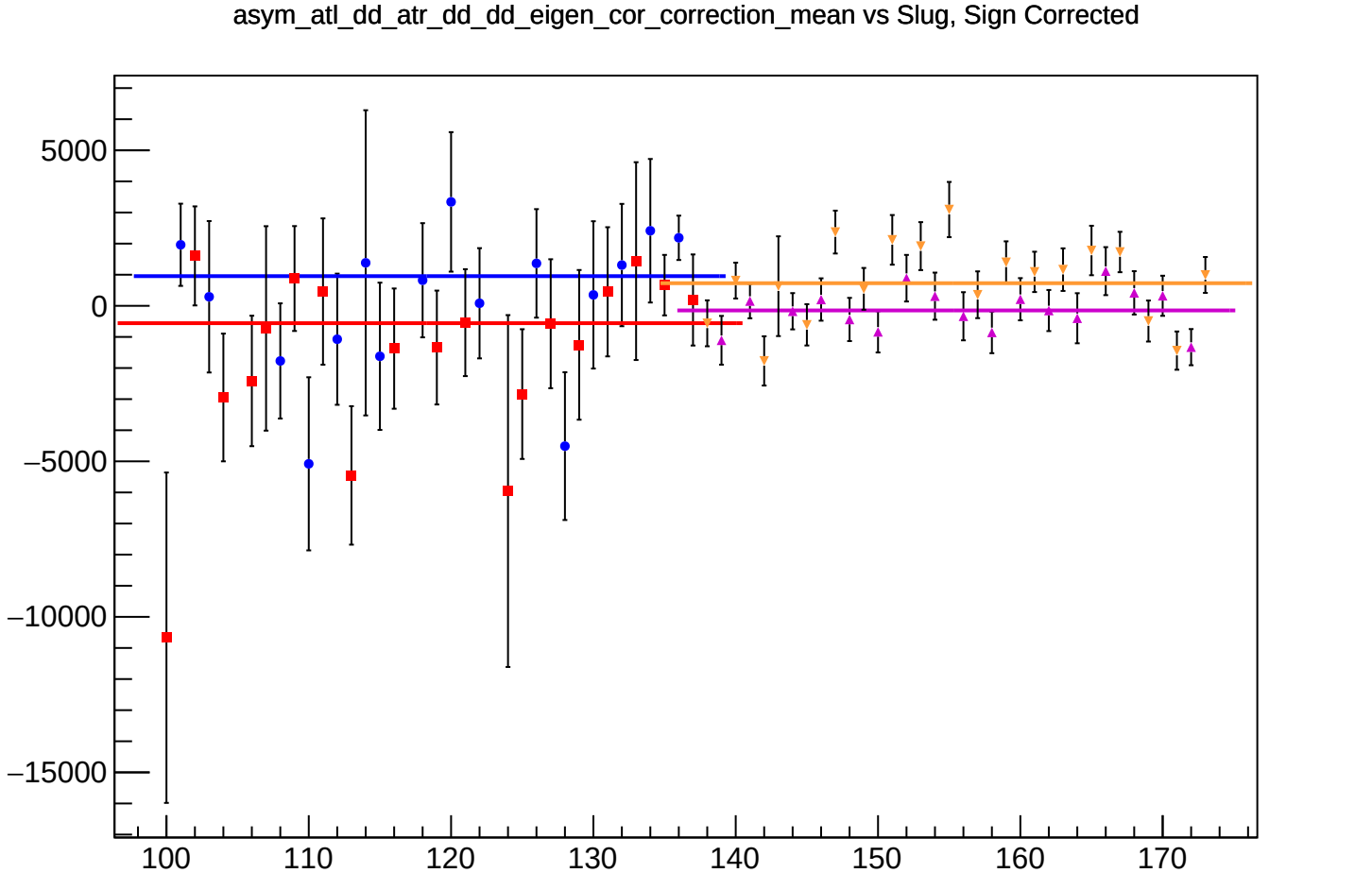
Left: 1255.827+/-0.165 χ^2/NDF: 197511.2/35

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1257.393+/-0.194 χ^2/NDF:542565.9/32

Out: 1268.708+/-0.191 χ^2/NDF:508015.7/37

All: 1263.142+/-0.136 χ^2/NDF: 1052308.6/70



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 727.391+/-161.527 χ^2/NDF:57.6/18

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -148.026+/-164.697 χ^2/NDF:15.1/16

Left: 298.189+/-115.321 χ^2/NDF: 87.1/35

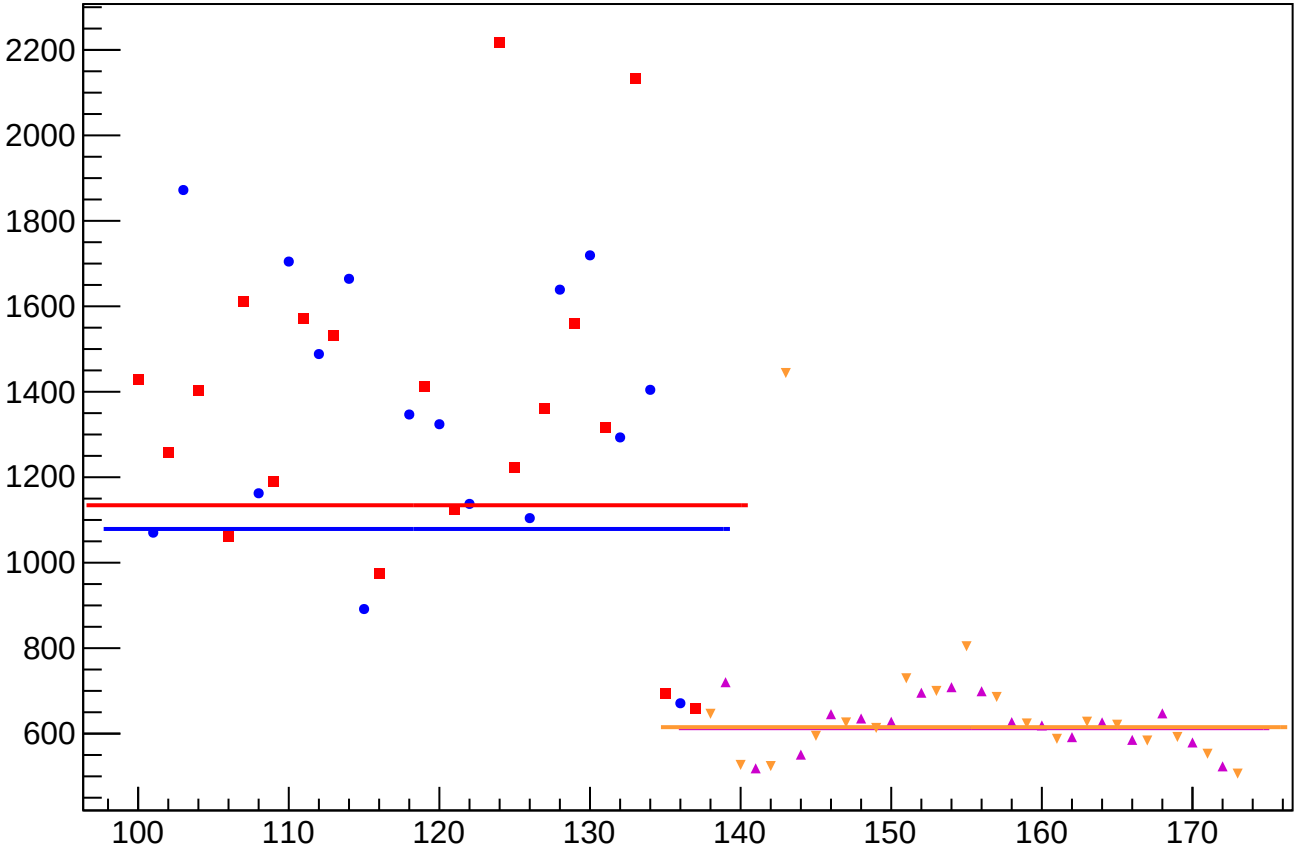
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -4.508+/-153.600 χ^2/NDF:40.8/32

Out: 575.205+/-151.663 χ^2/NDF:83.4/37

All: 289.027+/-107.920 χ^2/NDF: 131.5/70

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: 615.118+/-0.114 χ^2/NDF:890780.2/18

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 612.730+/-0.116 χ^2/NDF:270782.3/16

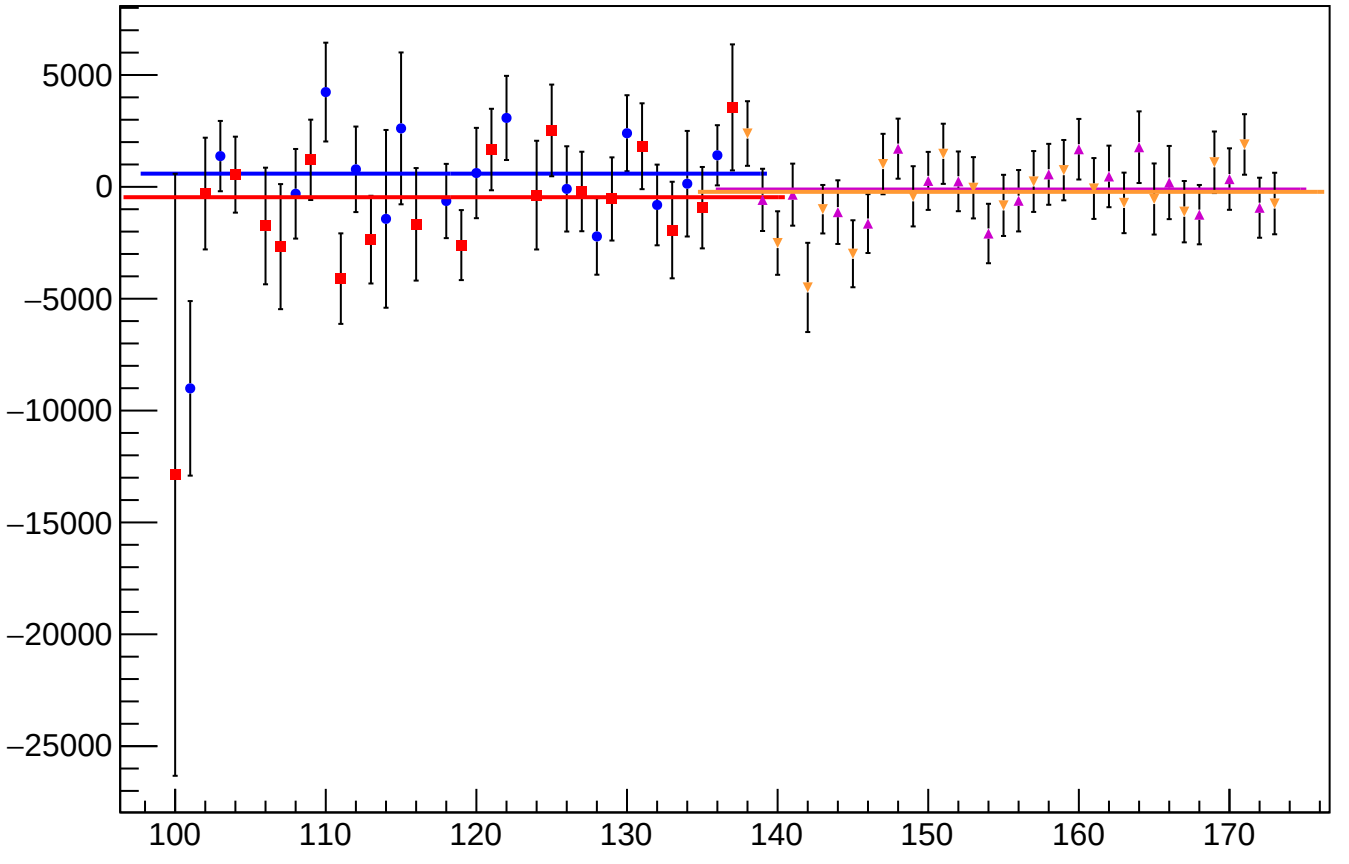
Left: 613.948+/-0.082 χ^2/NDF: 1161776.9/35

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 673.436+/-0.109 χ^2/NDF:3836218.9/32

Out: 676.606+/-0.107 χ^2/NDF:4627348.9/37

All: 675.041+/-0.076 χ^2/NDF: 8463999.1/70



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -222.507+/-316.961 χ^2/NDF:21.8/18

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -119.011+/-334.326 χ^2/NDF:11.2/16

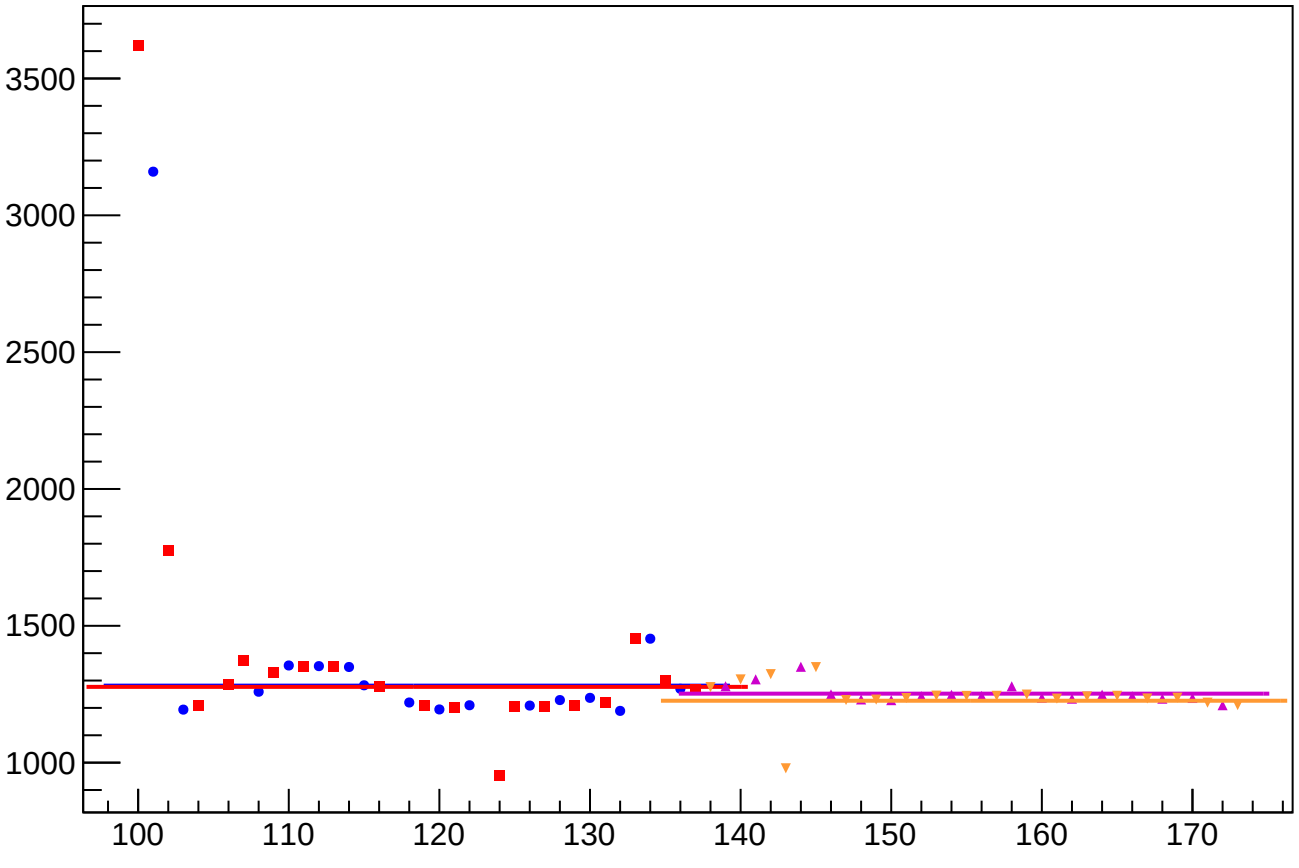
Left: -173.517+/-230.019 χ^2/NDF: 33.0/35

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 109.168+/-275.351 χ^2/NDF:29.7/32

Out: -296.093+/-263.958 χ^2/NDF:38.7/37

All: -102.020+/-190.547 χ^2/NDF: 69.5/70



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1226.218+/-0.224 χ^2/NDF:133257.1/18

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1252.084+/-0.236 χ^2/NDF:18592.6/16

Left: 1238.462+/-0.163 χ^2/NDF: 158154.6/35

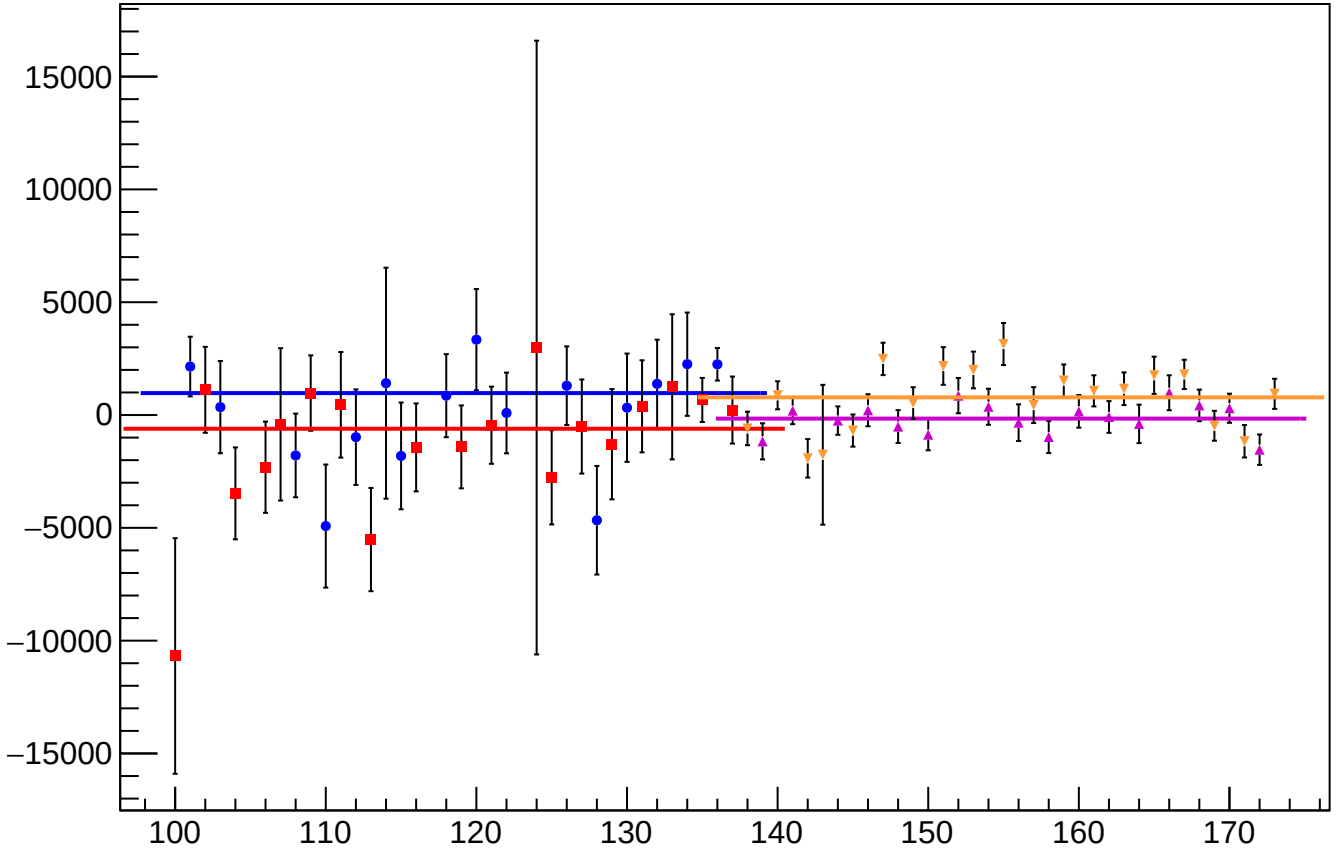
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1261.505+/-0.195 χ^2/NDF:530607.2/32

Out: 1241.739+/-0.187 χ^2/NDF:369418.4/37

All: 1251.204+/-0.135 χ^2/NDF: 905396.1/70

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 783.600+/-172.100 χ^2/NDF:52.2/18

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -158.268+/-173.692 χ^2/NDF:14.9/16

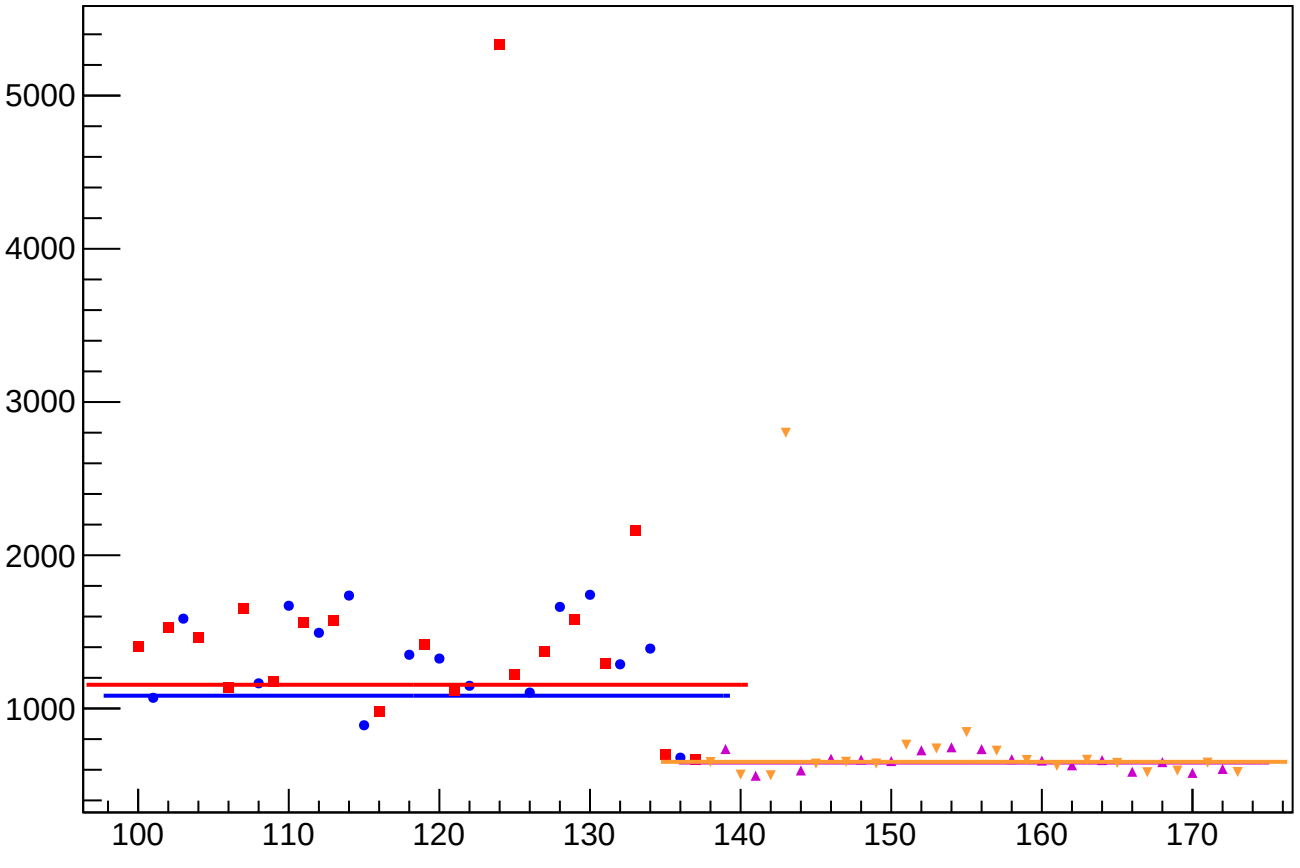
Left: 317.003+/-122.252 χ^2/NDF: 81.9/35

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 3.394+/-160.794 χ^2/NDF:41.4/32

Out: 604.407+/-160.641 χ^2/NDF:77.7/37

All: 304.187+/-113.645 χ^2/NDF: 126.1/70



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 651.696+/-0.122 χ^2/NDF:1241887.3/18

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 647.125+/-0.123 χ^2/NDF:204708.0/16

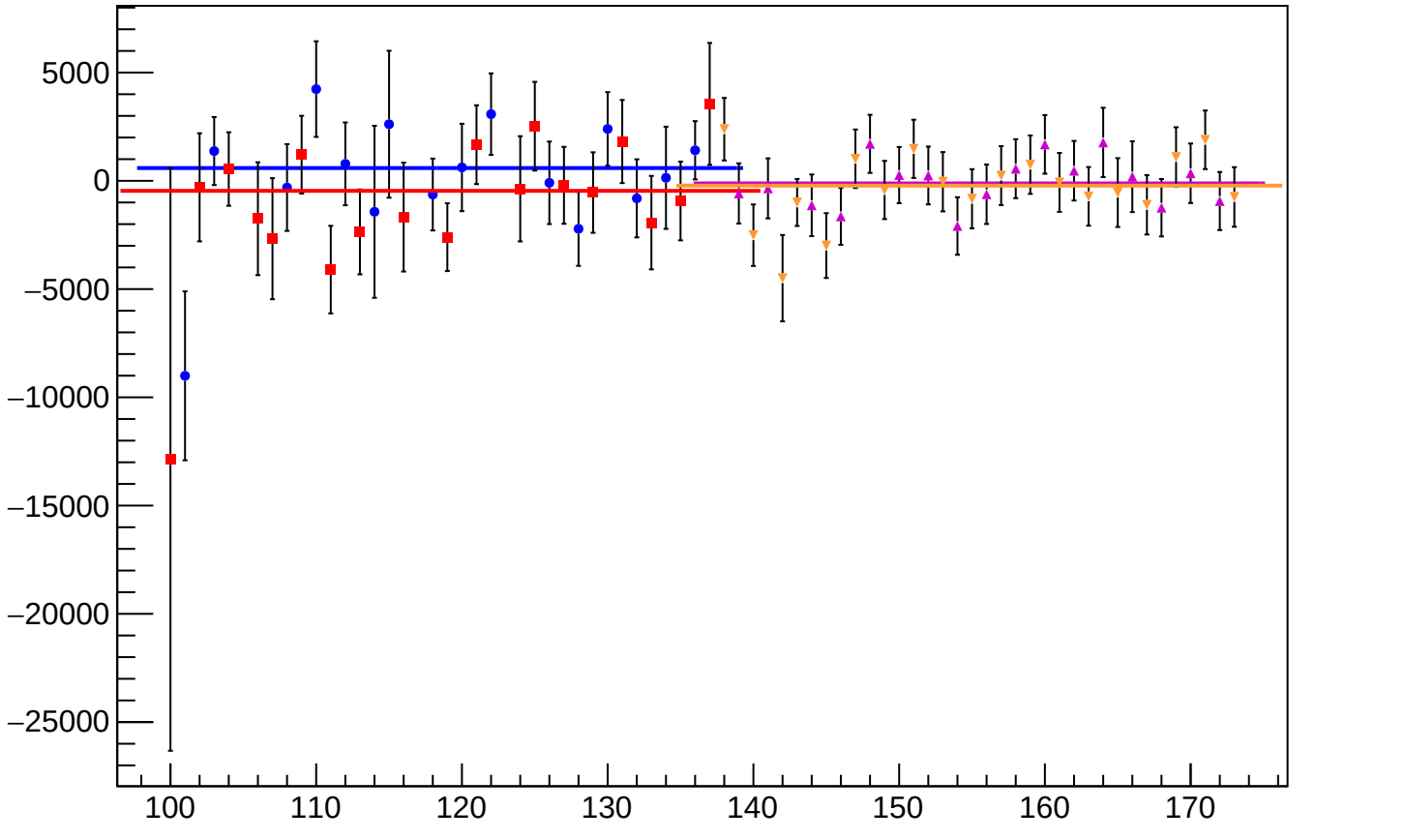
Left: 649.432+/-0.086 χ^2/NDF: 1447294.5/35

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 709.500+/-0.114 χ^2/NDF:3368626.4/32

Out: 716.450+/-0.114 χ^2/NDF:4929710.1/37

All: 712.979+/-0.080 χ^2/NDF: 8300206.5/70



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -222.509+/-316.961 χ^2/NDF:21.8/18

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -119.010+/-334.326 χ^2/NDF:11.2/16

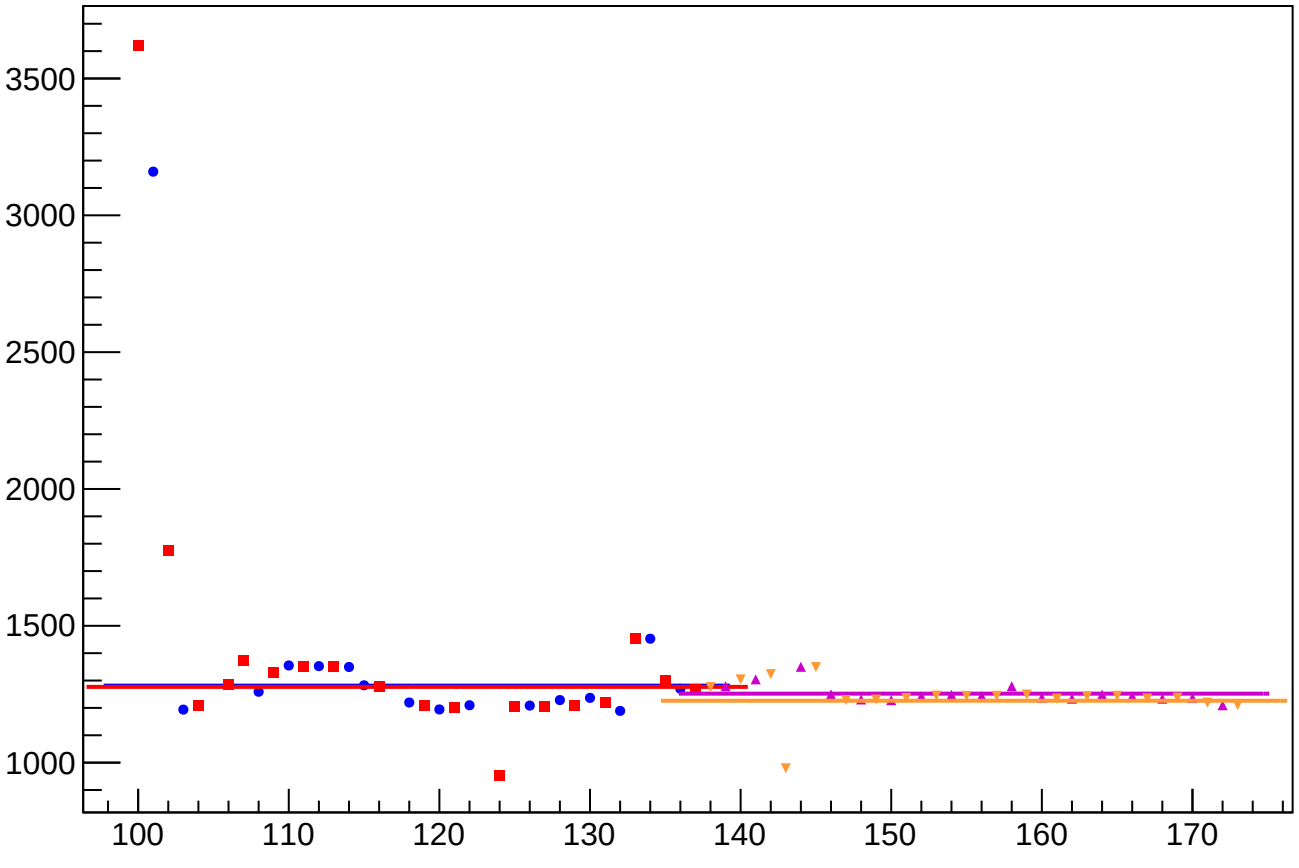
Left: -173.517+/-230.019 χ^2/NDF: 33.0/35

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 109.170+/-275.351 χ^2/NDF:29.7/32

Out: -296.094+/-263.958 χ^2/NDF:38.7/37

All: -102.020+/-190.547 χ^2/NDF: 69.5/70



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1226.218+/-0.224 χ^2/NDF:133256.4/18

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1252.084+/-0.236 χ^2/NDF:18592.7/16

Left: 1238.462+/-0.163 χ^2/NDF: 158154.0/35

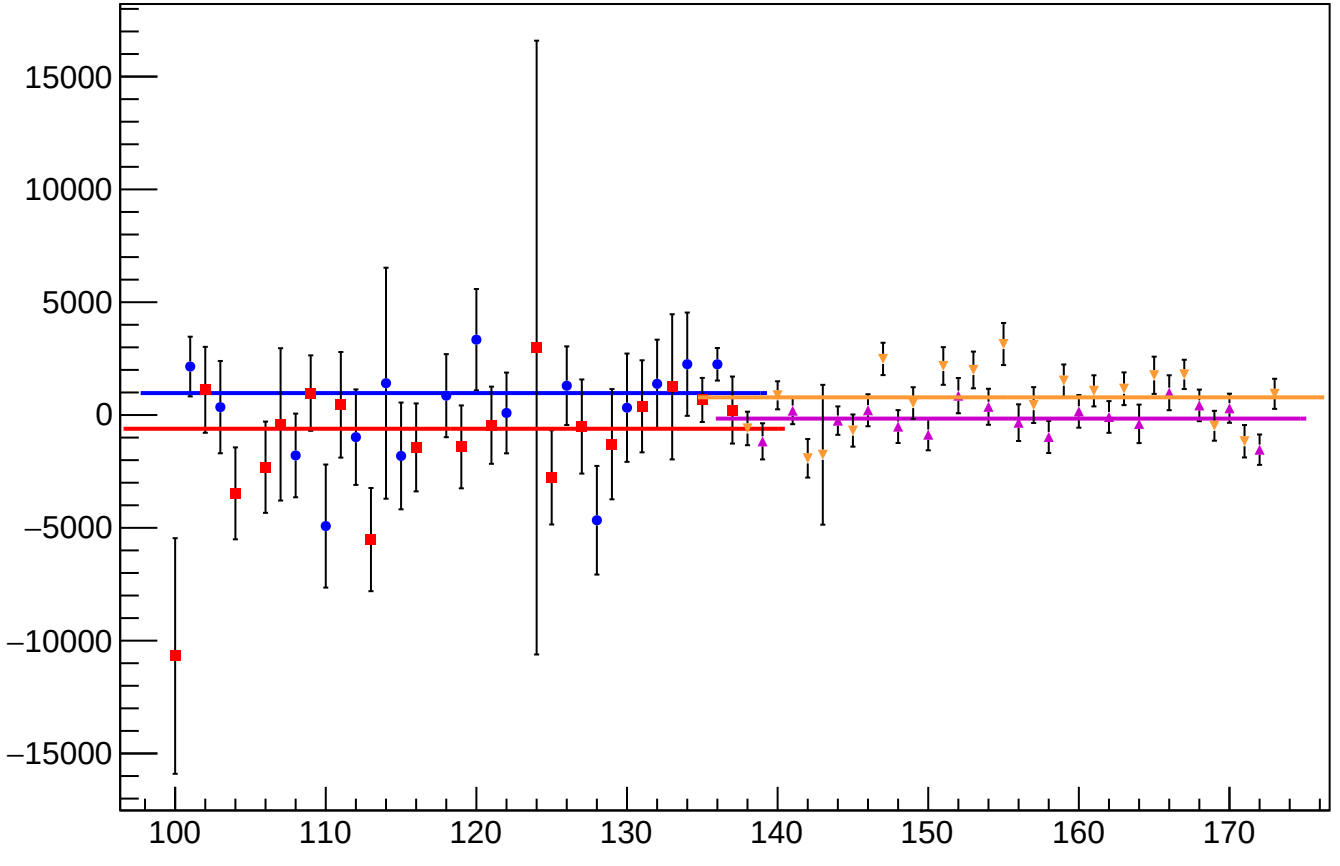
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1261.505+/-0.195 χ^2/NDF:530607.5/32

Out: 1241.739+/-0.187 χ^2/NDF:369417.5/37

All: 1251.204+/-0.135 χ^2/NDF: 905395.4/70

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: 783.601+/-172.100 χ^2/NDF:52.2/18

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -158.267+/-173.692 χ^2/NDF:14.9/16

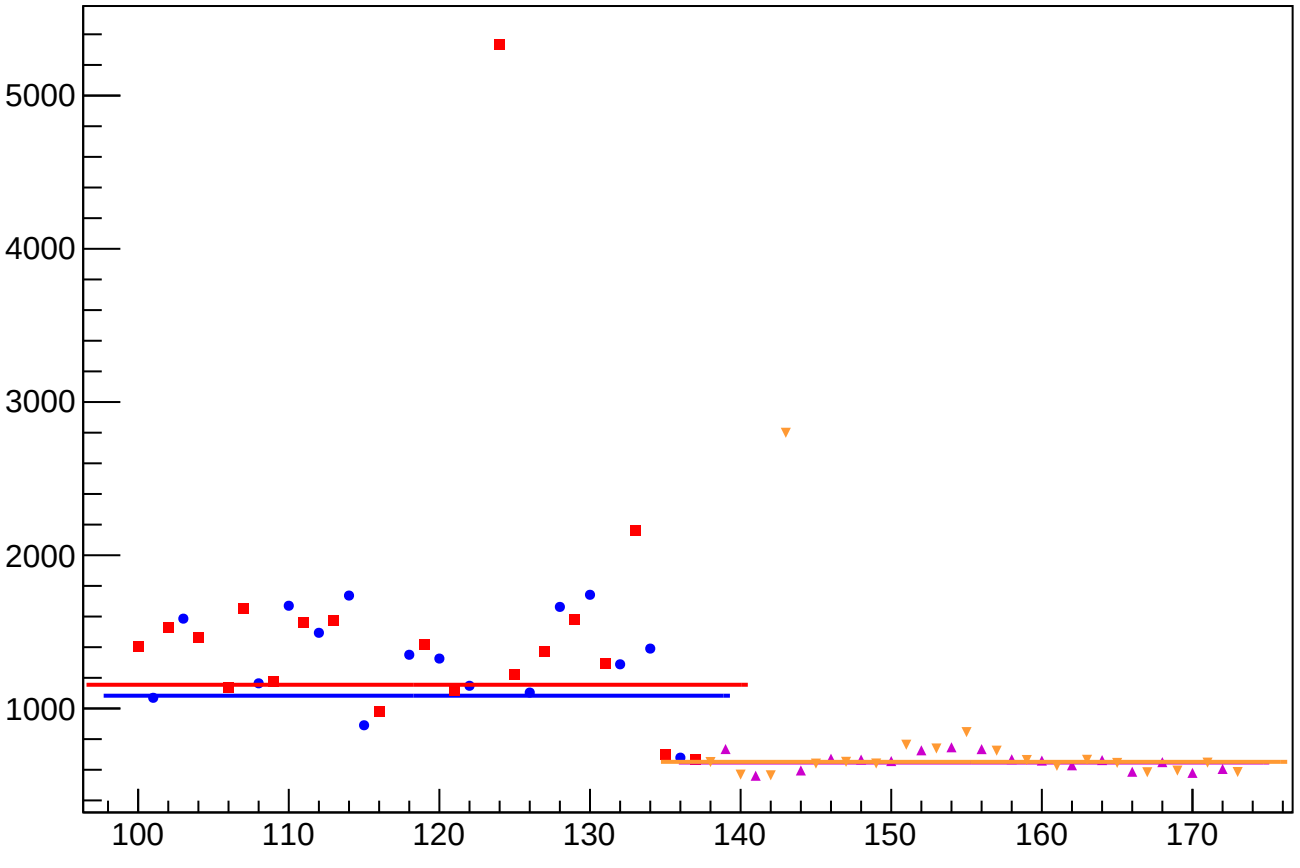
Left: 317.003+/-122.252 χ^2/NDF: 81.9/35

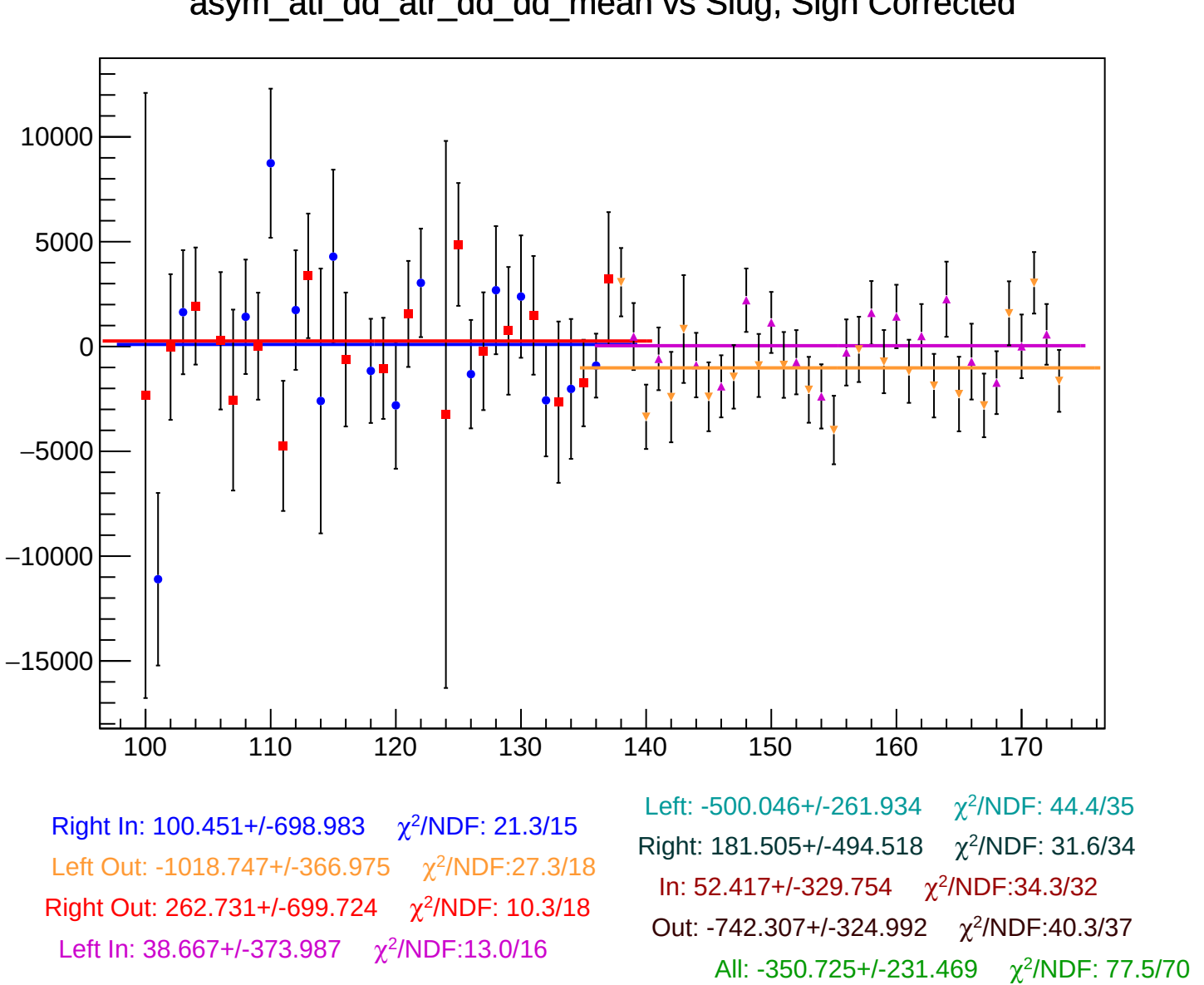
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 3.393+/-160.794 χ^2/NDF:41.4/32

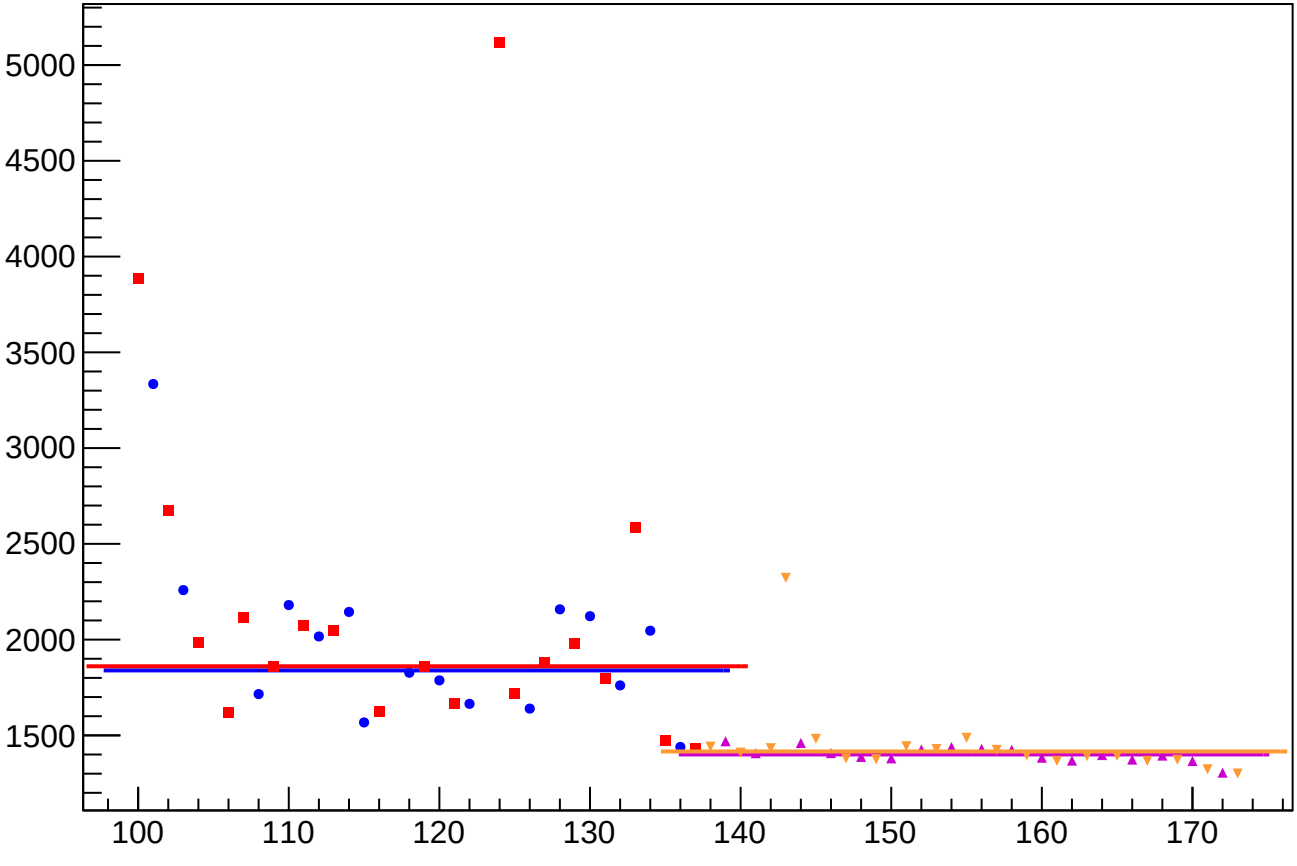
Out: 604.407+/-160.641 χ^2/NDF:77.7/37

All: 304.187+/-113.645 χ^2/NDF: 126.1/70


asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 1083.341+/-0.301 χ²/NDF: 1360095.7/15
Left Out: 651.696+/-0.122 χ²/NDF:1241884.0/18
Right Out: 1154.732+/-0.317 χ²/NDF: 1488251.4/18
Left In: 647.124+/-0.123 χ²/NDF:204712.5/16
Left: 649.431+/-0.086 χ²/NDF: 1447295.9/35
Right: 1117.196+/-0.218 χ²/NDF: 2875081.4/34
In: 709.500+/-0.114 χ²/NDF:3368621.3/32
Out: 716.451+/-0.114 χ²/NDF:4929701.6/37
All: 712.979+/-0.080 χ²/NDF: 8300193.3/70


asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 100.451+/-698.983 χ²/NDF: 21.3/15
Left Out: -1018.747+/-366.975 χ²/NDF:27.3/18
Right Out: 262.731+/-699.724 χ²/NDF: 10.3/18
Left In: 38.667+/-373.987 χ²/NDF:13.0/16
Left: -500.046+/-261.934 χ²/NDF: 44.4/35
Right: 181.505+/-494.518 χ²/NDF: 31.6/34
In: 52.417+/-329.754 χ²/NDF:34.3/32
Out: -742.307+/-324.992 χ²/NDF:40.3/37
All: -350.725+/-231.469 χ²/NDF: 77.5/70

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1415.940+/-0.259 χ^2/NDF:286675.4/18

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1400.431+/-0.264 χ^2/NDF:21658.6/16

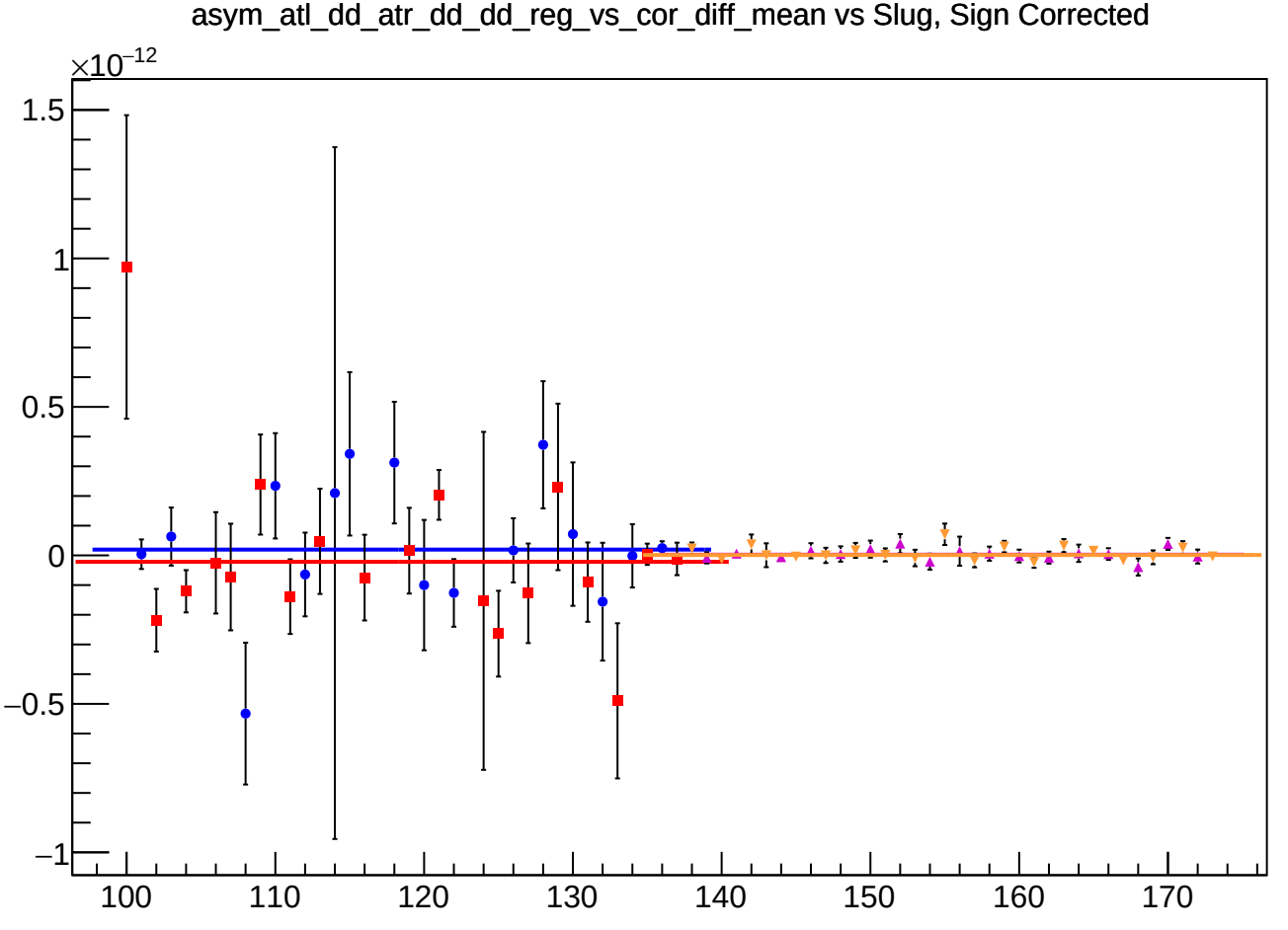
Left: 1408.332+/-0.185 χ^2/NDF: 310086.4/35

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1498.064+/-0.233 χ^2/NDF:1190827.1/32

Out: 1511.897+/-0.230 χ^2/NDF:1442675.9/37

All: 1505.081+/-0.164 χ^2/NDF: 2635288.4/70



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/18

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9.3/16

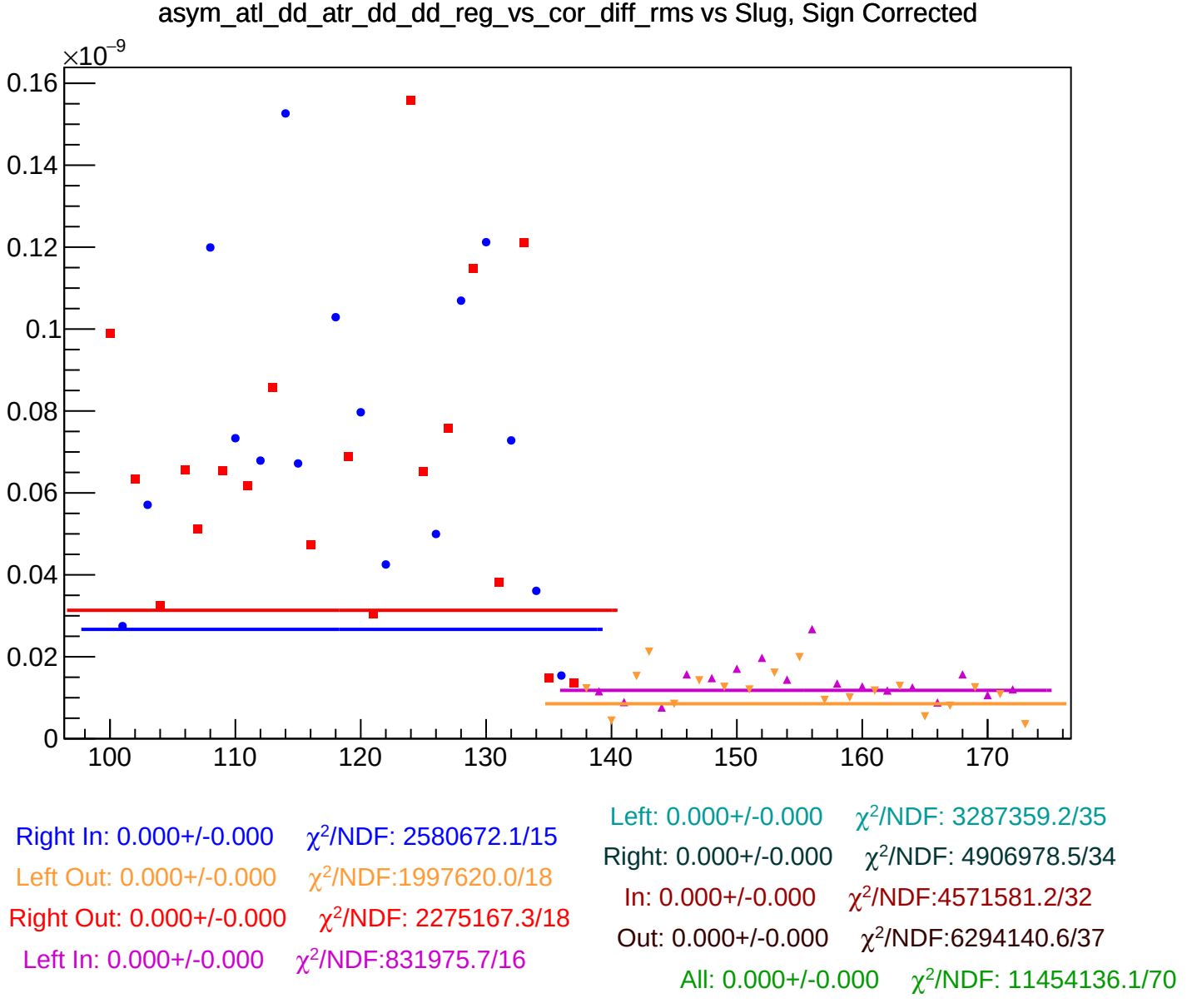
Left: 0.000+/-0.000 χ^2/NDF: 28.0/35

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

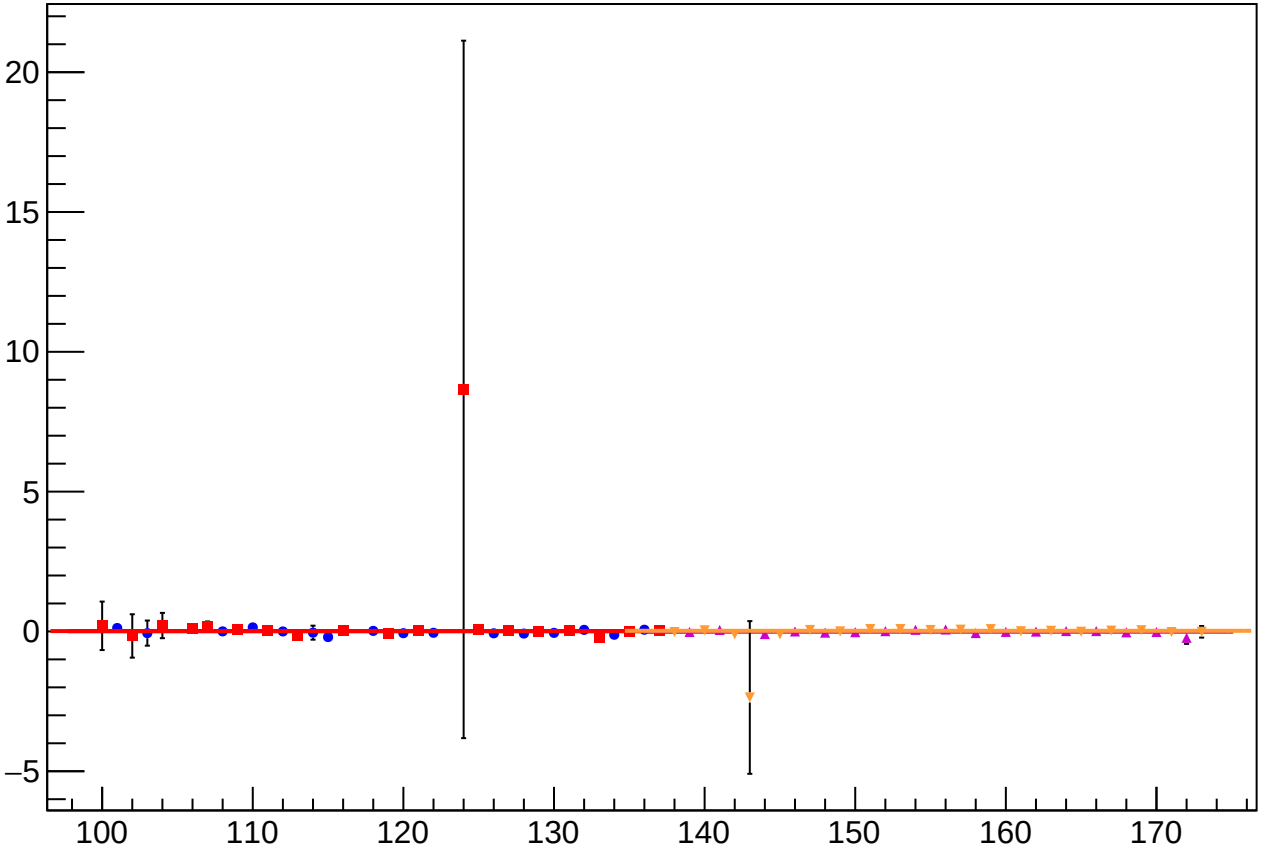
In: 0.000+/-0.000 χ^2/NDF:26.6/32

Out: 0.000+/-0.000 χ^2/NDF:47.9/37

All: 0.000+/-0.000 χ^2/NDF: 74.7/70


asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2580672.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1997620.0/18
Right Out: 0.000+/-0.000 χ²/NDF: 2275167.3/18
Left In: 0.000+/-0.000 χ²/NDF:831975.7/16
Left: 0.000+/-0.000 χ²/NDF: 3287359.2/35
Right: 0.000+/-0.000 χ²/NDF: 4906978.5/34
In: 0.000+/-0.000 χ²/NDF:4571581.2/32
Out: 0.000+/-0.000 χ²/NDF:6294140.6/37
All: 0.000+/-0.000 χ²/NDF: 11454136.1/70

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: 0.023+/-0.010 χ^2/NDF:18.1/18

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.8/16

Left: 0.006+/-0.007 χ^2/NDF: 35.4/35

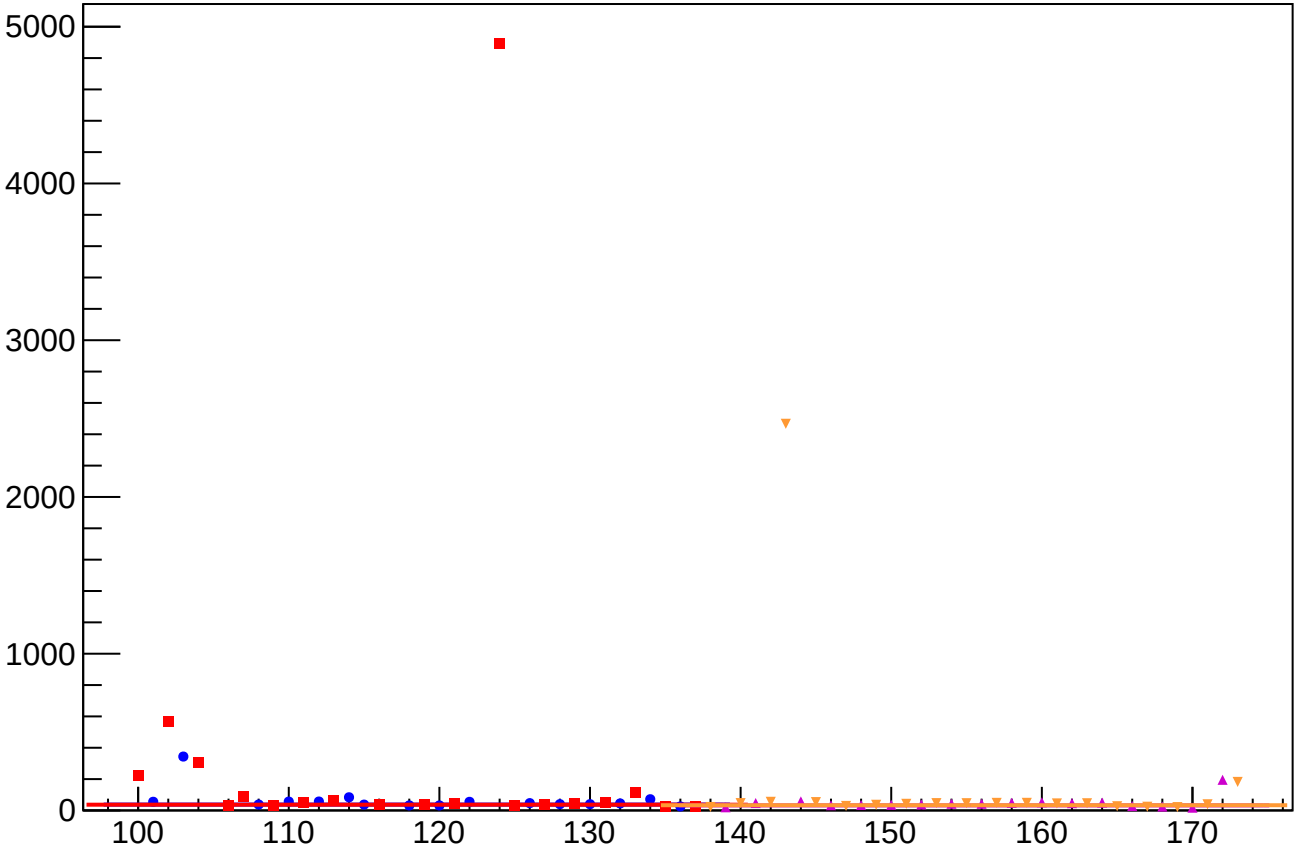
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/32

Out: 0.020+/-0.009 χ^2/NDF:31.0/37

All: 0.007+/-0.006 χ^2/NDF: 67.4/70

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.336+/-0.007 χ^2/NDF:4999907.8/18

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.231+/-0.007 χ^2/NDF:3841713.7/16

Left: 32.770+/-0.005 χ^2/NDF: 8853573.4/35

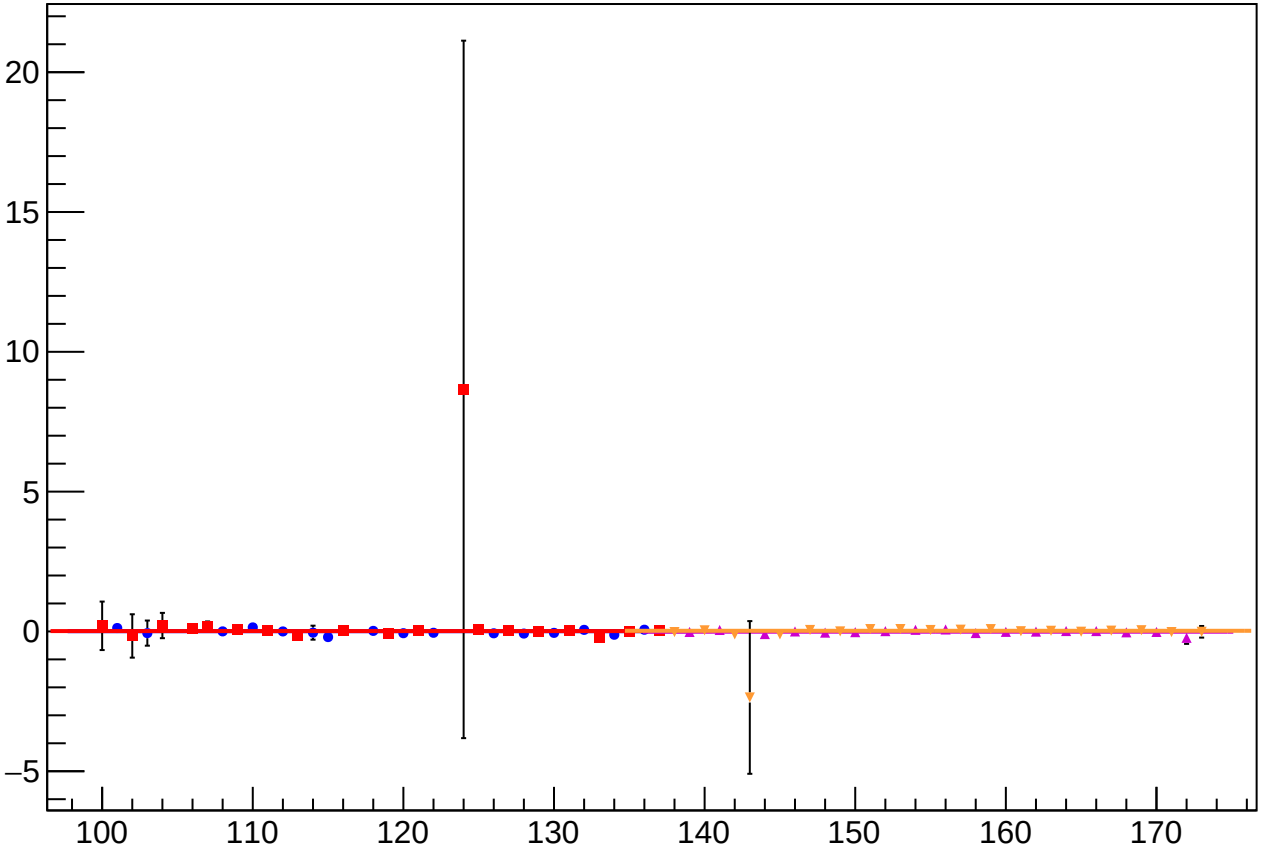
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.694+/-0.006 χ^2/NDF:5979721.6/32

Out: 34.280+/-0.006 χ^2/NDF:8252406.4/37

All: 33.979+/-0.004 χ^2/NDF: 14236770.7/70

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: 0.023+/-0.010 χ^2/NDF:18.1/18

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.8/16

Left: 0.006+/-0.007 χ^2/NDF: 35.4/35

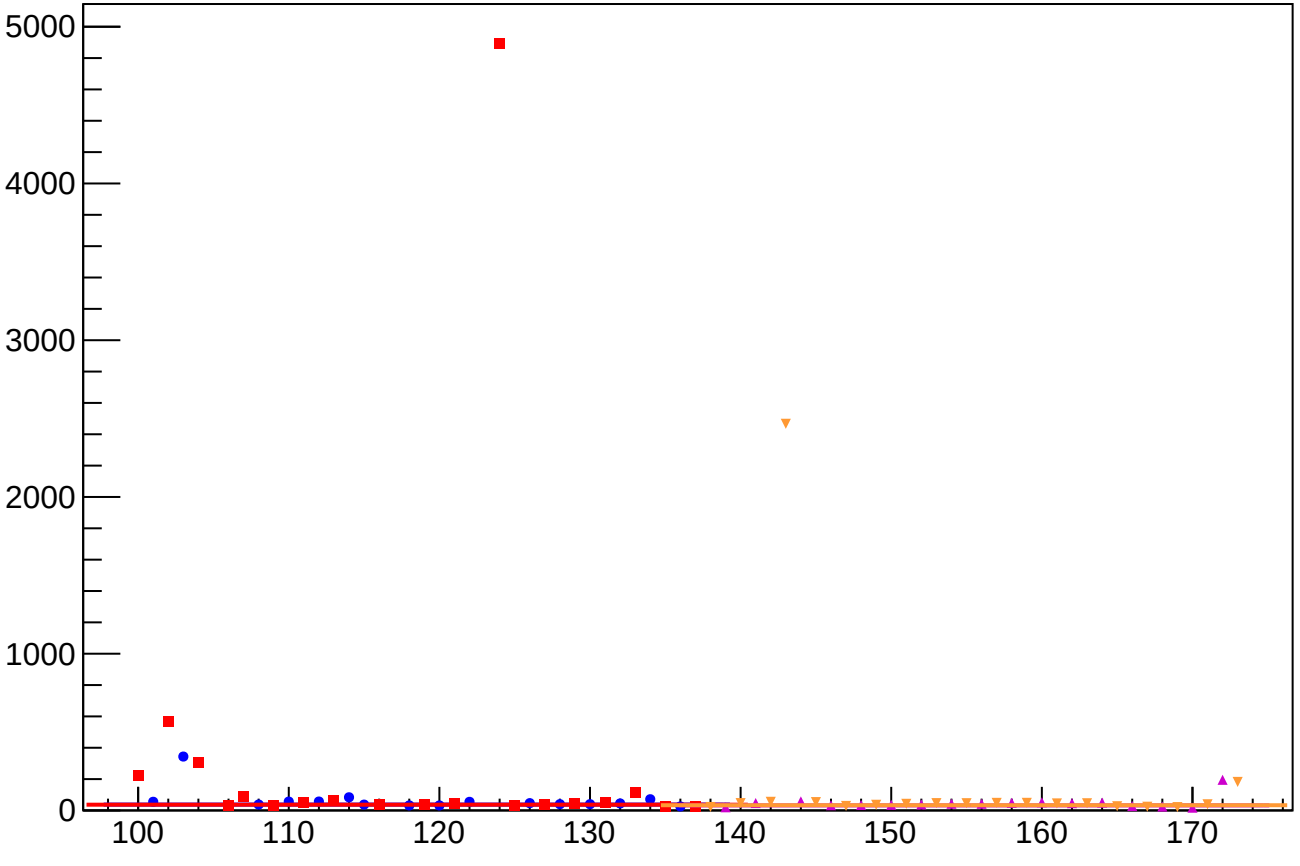
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/32

Out: 0.020+/-0.009 χ^2/NDF:31.0/37

All: 0.007+/-0.006 χ^2/NDF: 67.4/70

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.336+/-0.007 χ^2/NDF:4999907.8/18

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.231+/-0.007 χ^2/NDF:3841713.7/16

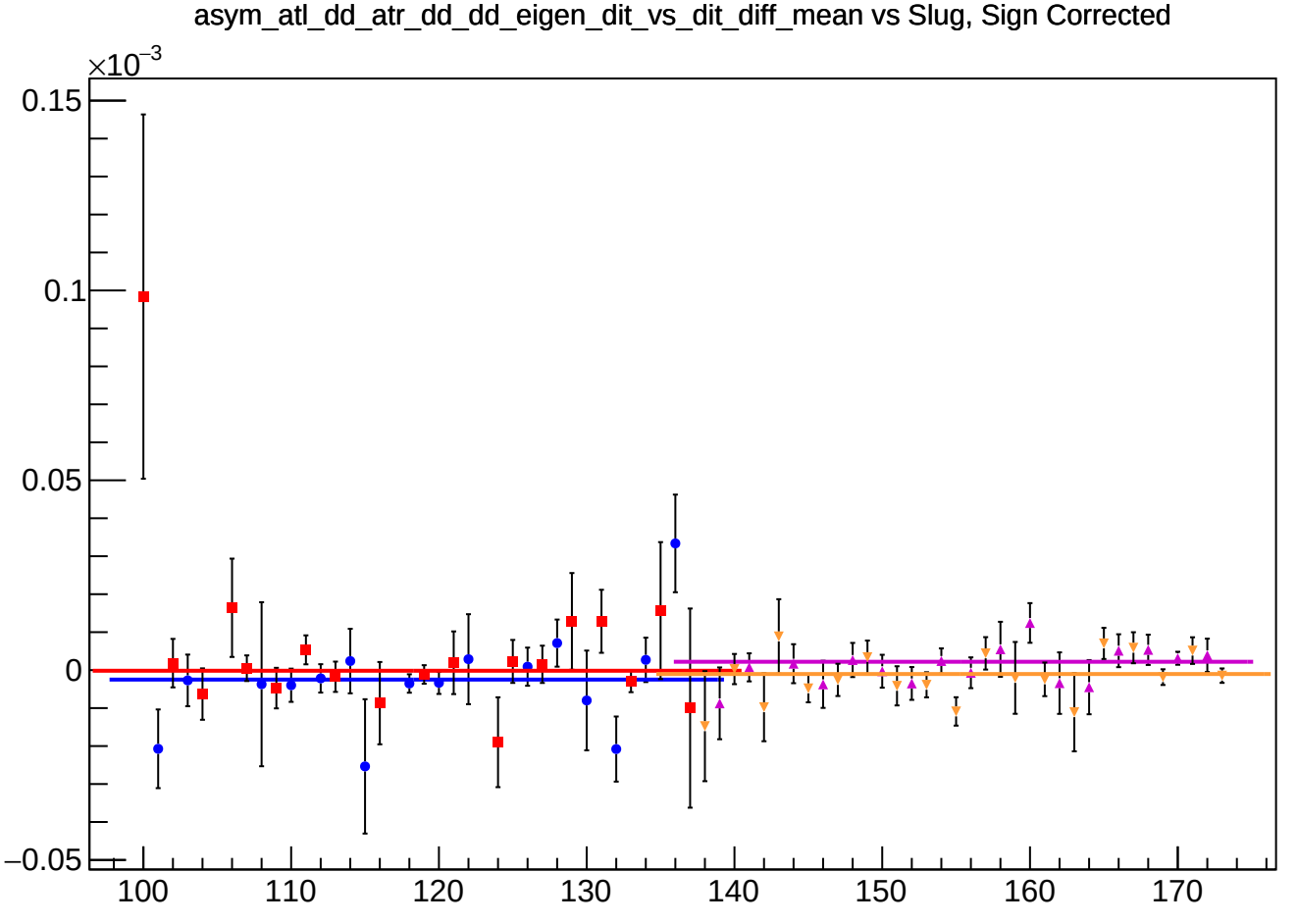
Left: 32.770+/-0.005 χ^2/NDF: 8853573.4/35

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.694+/-0.006 χ^2/NDF:5979721.6/32

Out: 34.280+/-0.006 χ^2/NDF:8252406.4/37

All: 33.979+/-0.004 χ^2/NDF: 14236770.7/70



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/18

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.9/16

Left: 0.000+/-0.000 χ^2/NDF: 44.0/35

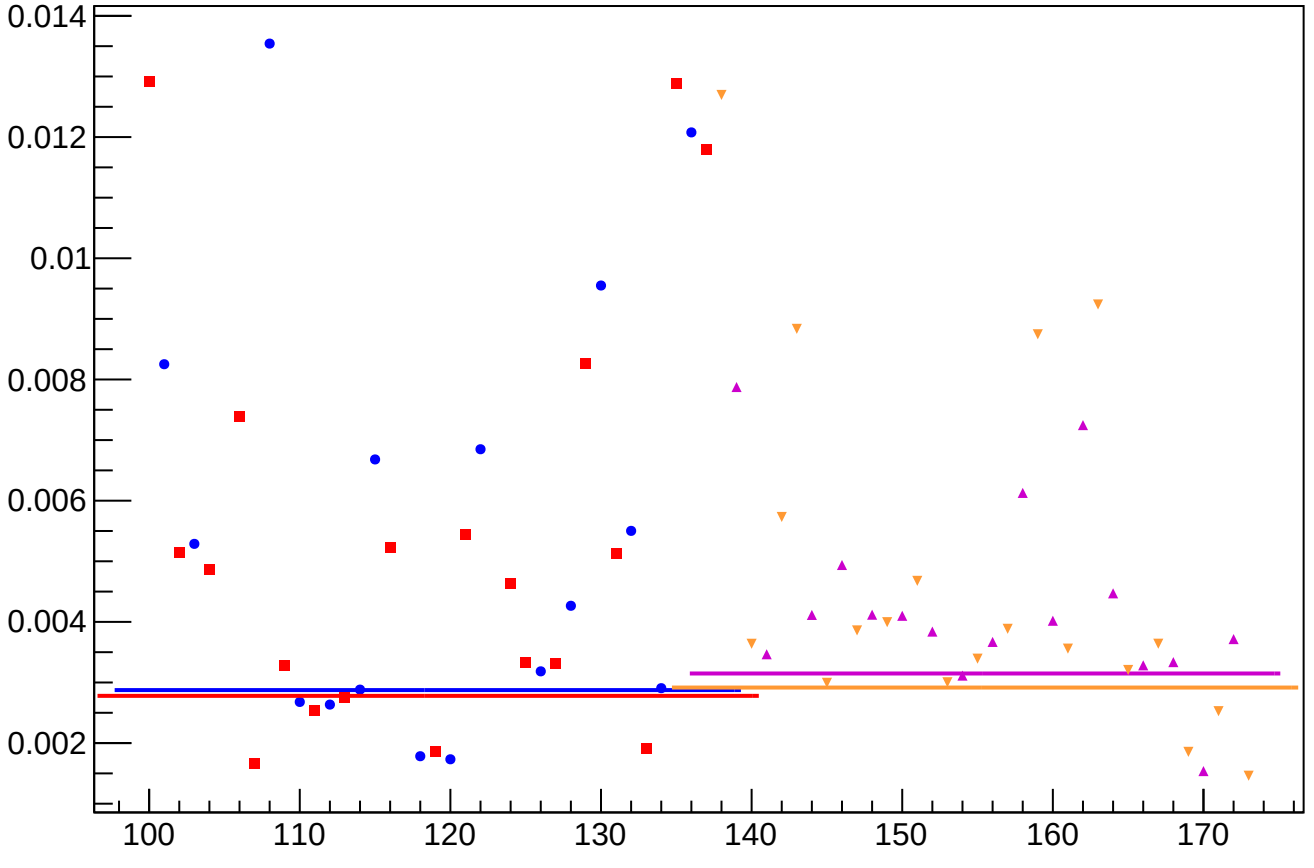
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: 0.000+/-0.000 χ^2/NDF:42.1/32

Out: -0.000+/-0.000 χ^2/NDF:45.2/37

All: -0.000+/-0.000 χ^2/NDF: 88.7/70

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:5845499.8/18

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.003+/-0.000 χ^2/NDF:3809638.2/16

Left: 0.003+/-0.000 χ^2/NDF: 9718084.8/35

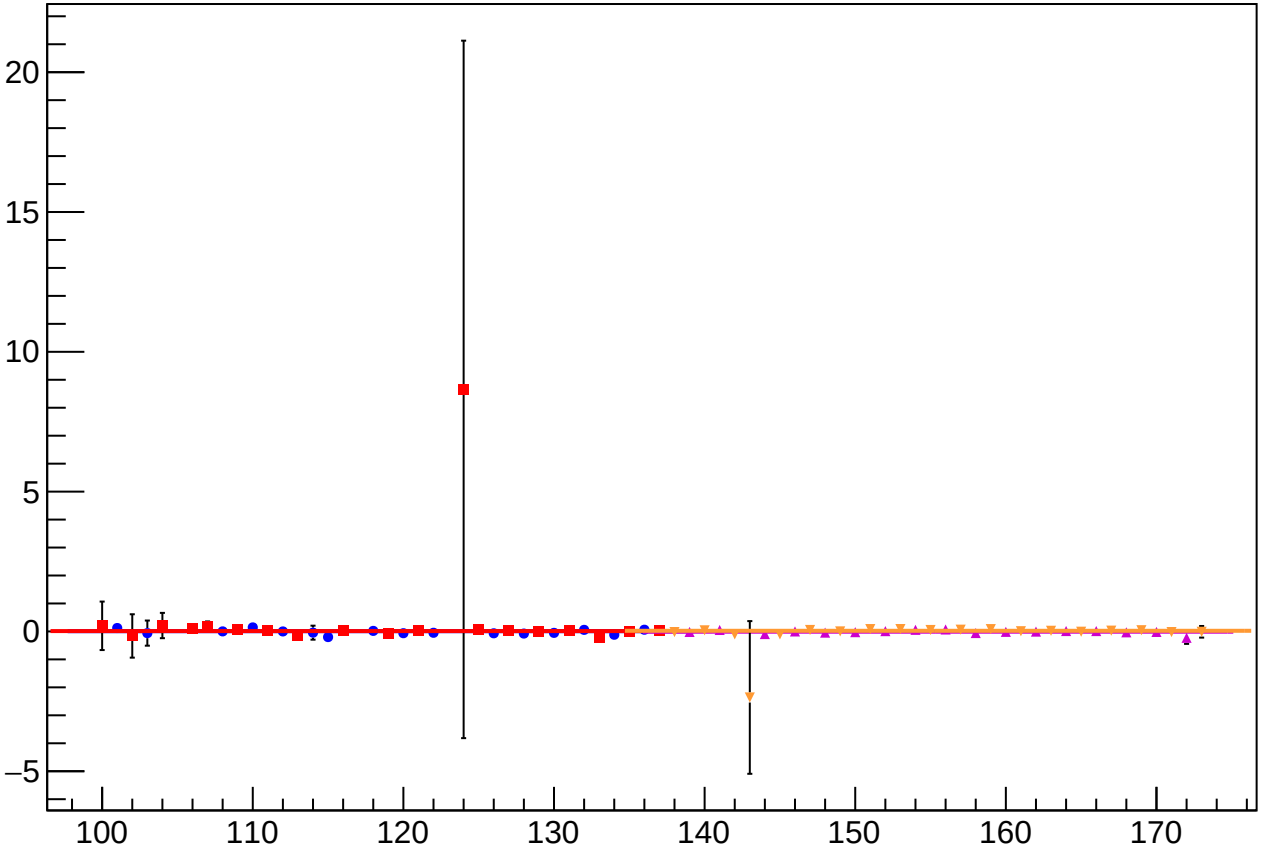
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:8018320.2/32

Out: 0.003+/-0.000 χ^2/NDF:9174219.6/37

All: 0.003+/-0.000 χ^2/NDF: 17253394.2/70

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: 0.023+/-0.010 χ^2/NDF:18.1/18

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.8/16

Left: 0.006+/-0.007 χ^2/NDF: 35.4/35

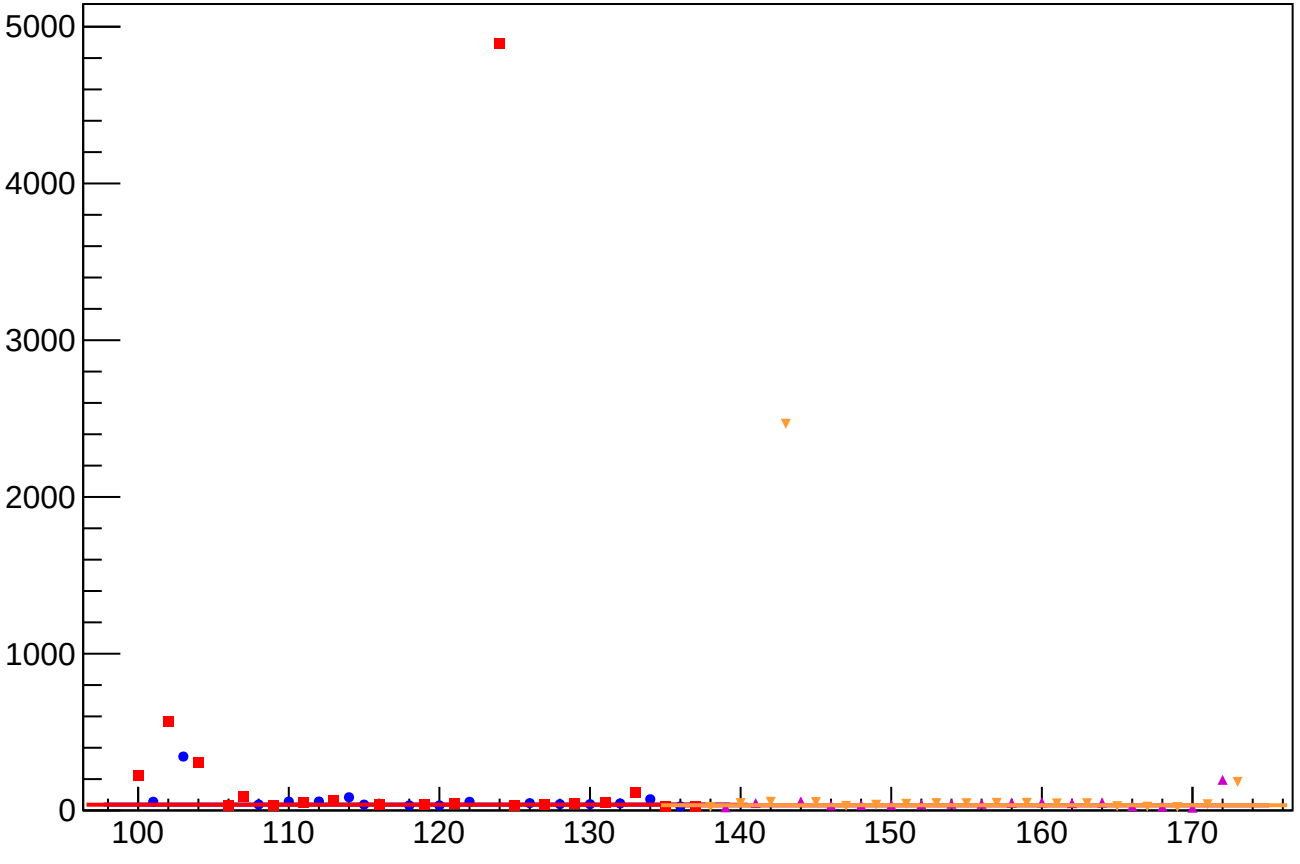
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/32

Out: 0.020+/-0.009 χ^2/NDF:31.0/37

All: 0.007+/-0.006 χ^2/NDF: 67.4/70

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.335+/-0.007 χ^2/NDF:4999975.4/18

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.234+/-0.007 χ^2/NDF:3840563.7/16

Left: 32.770+/-0.005 χ^2/NDF: 8852422.9/35

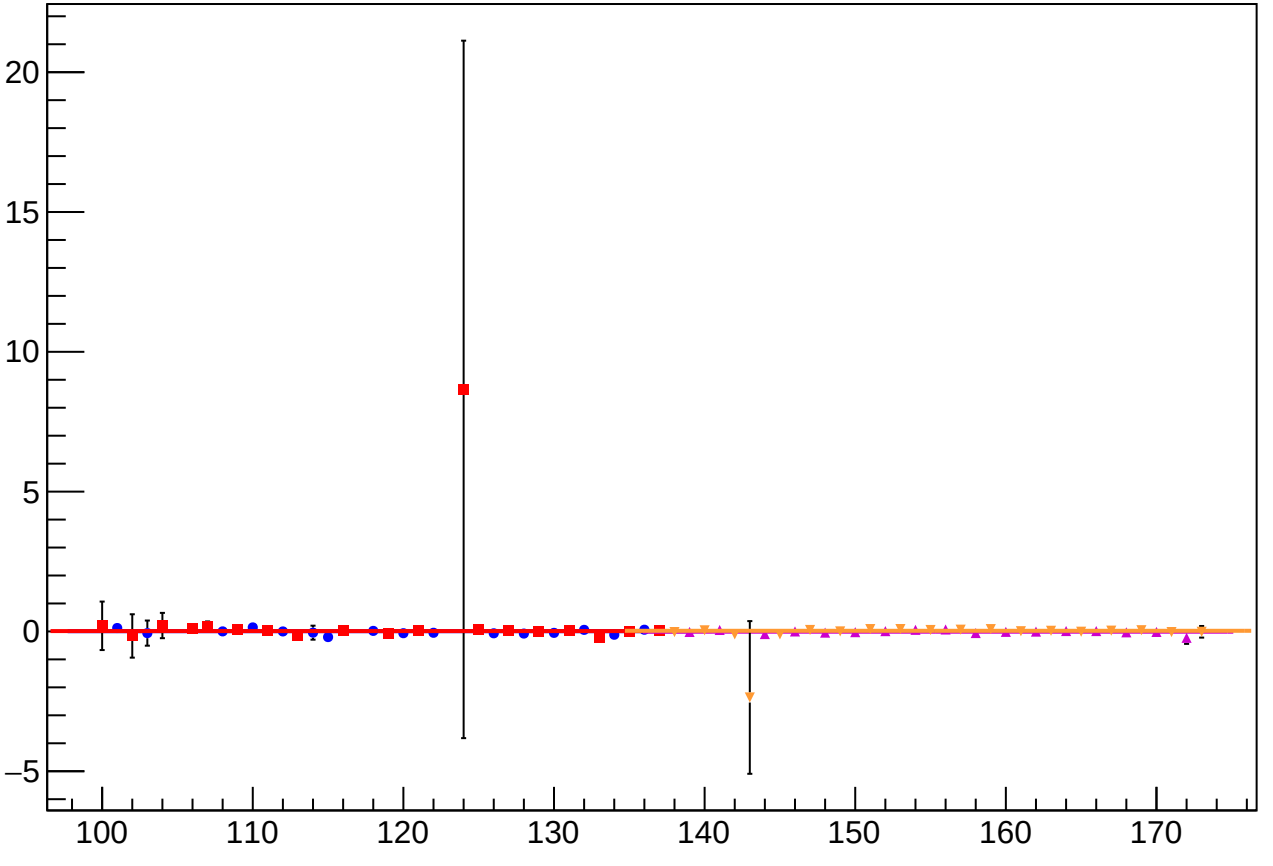
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.696+/-0.006 χ^2/NDF:5978399.0/32

Out: 34.280+/-0.006 χ^2/NDF:8252266.9/37

All: 33.980+/-0.004 χ^2/NDF: 14235276.0/70

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: 0.023+/-0.010 χ^2/NDF:18.1/18

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.8/16

Left: 0.006+/-0.007 χ^2/NDF: 35.4/35

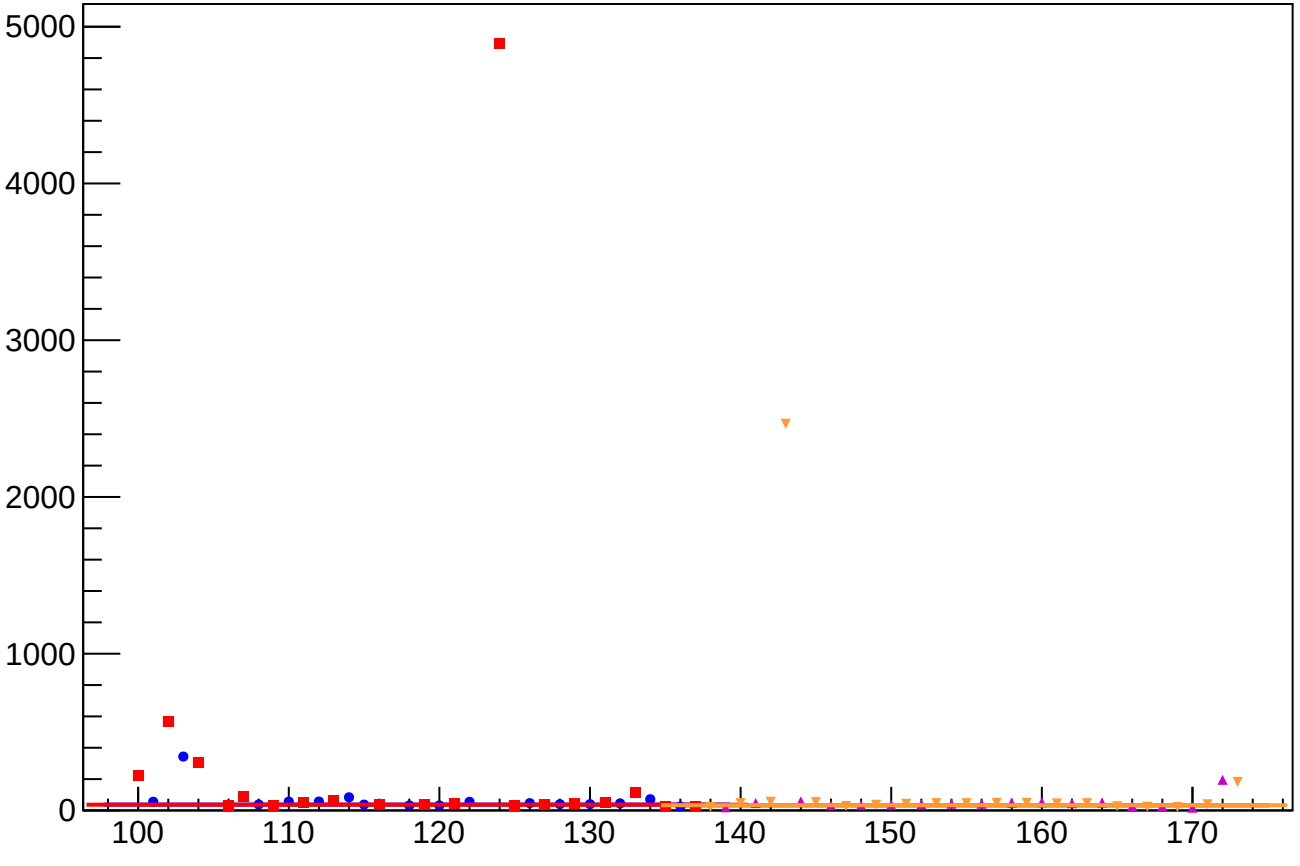
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/32

Out: 0.020+/-0.009 χ^2/NDF:31.0/37

All: 0.007+/-0.006 χ^2/NDF: 67.4/70

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.335+/-0.007 χ^2/NDF:4999975.4/18

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.234+/-0.007 χ^2/NDF:3840563.7/16

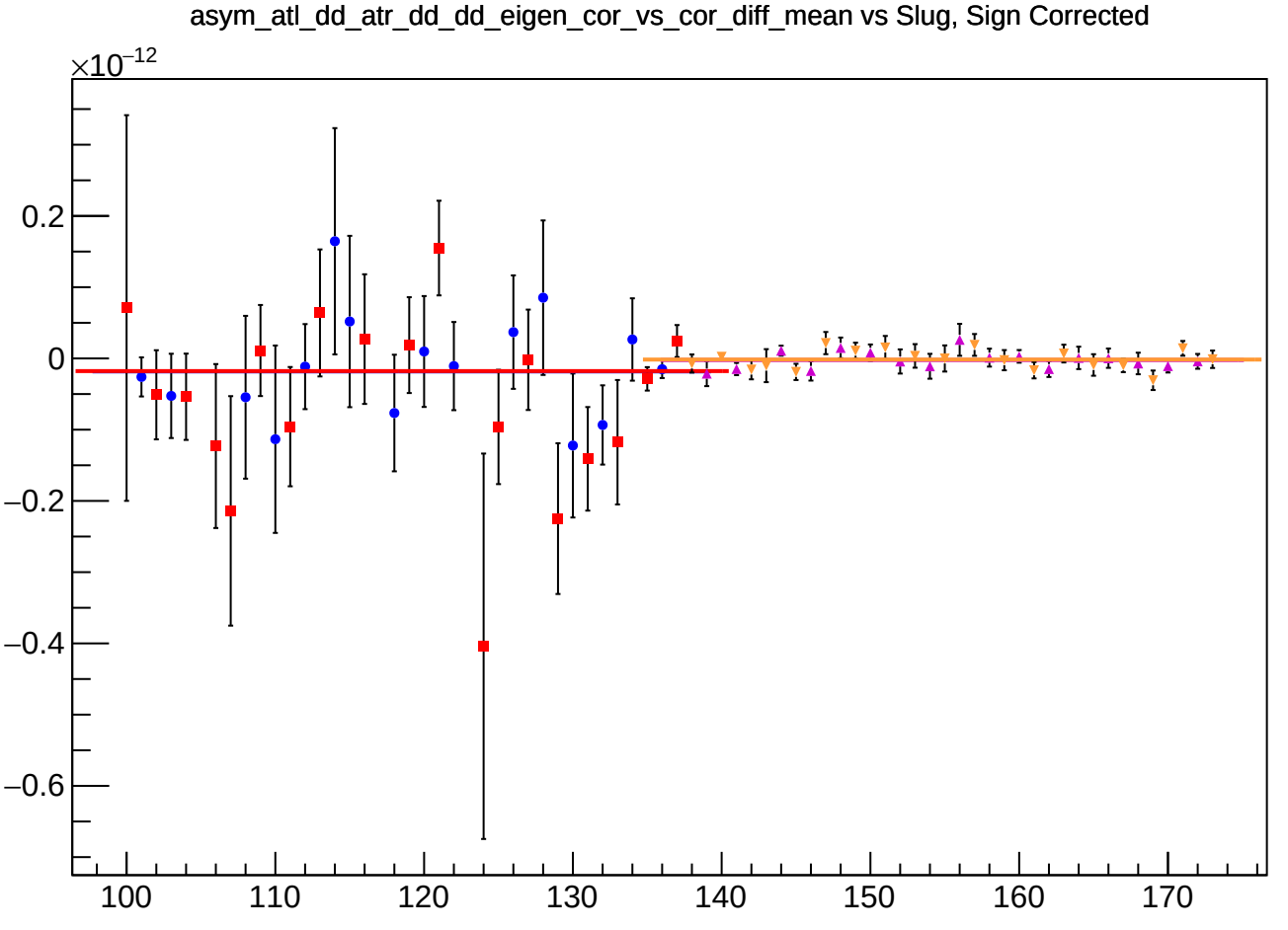
Left: 32.770+/-0.005 χ^2/NDF: 8852422.9/35

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.696+/-0.006 χ^2/NDF:5978399.0/32

Out: 34.280+/-0.006 χ^2/NDF:8252266.9/37

All: 33.980+/-0.004 χ^2/NDF: 14235276.0/70



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.5/18

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.8/16

Left: -0.000+/-0.000 χ^2/NDF: 35.4/35

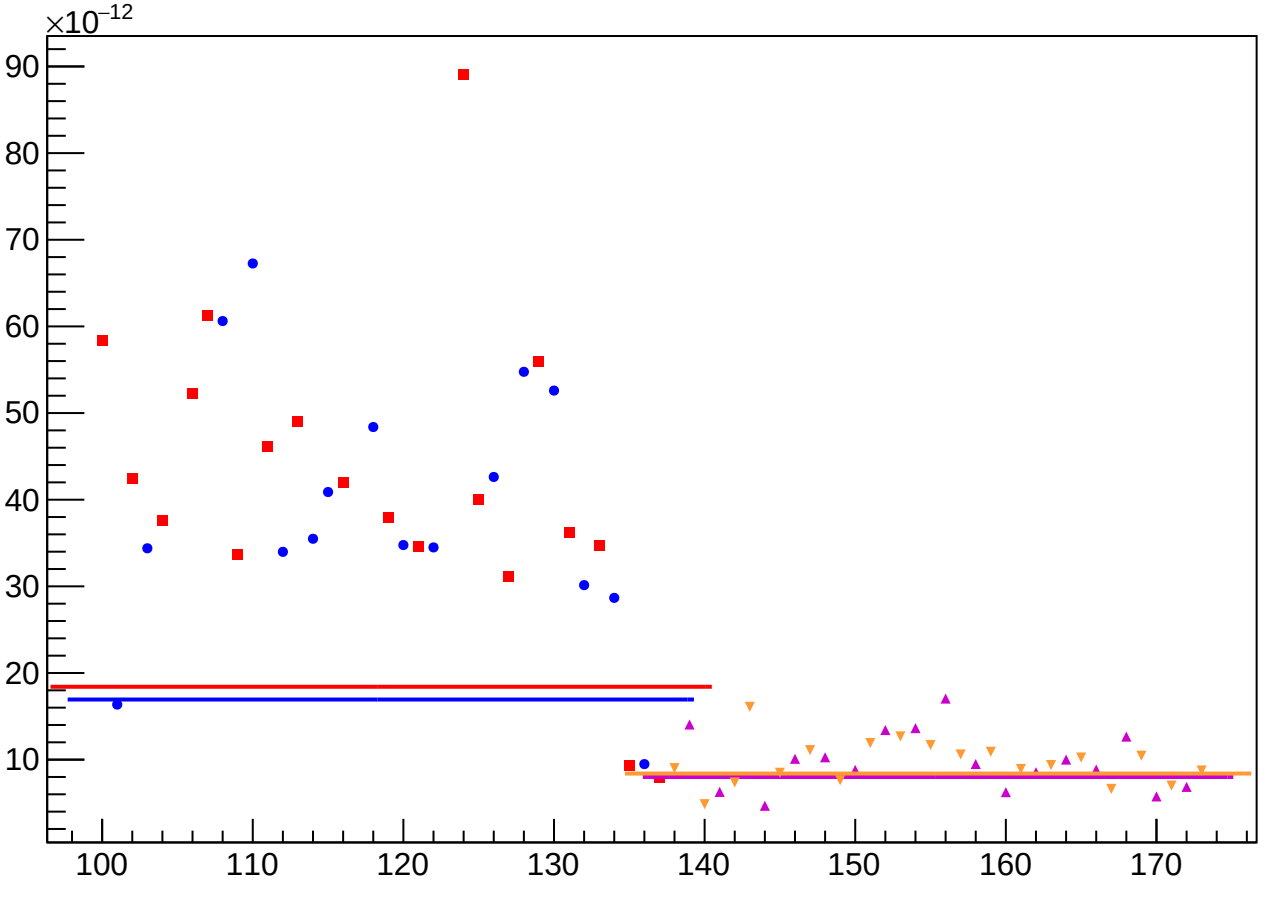
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:25.6/32

Out: -0.000+/-0.000 χ^2/NDF:49.8/37

All: -0.000+/-0.000 χ^2/NDF: 75.4/70

asym_atl_dd_atr_dd_dd_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:1452973.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2099597.1/16

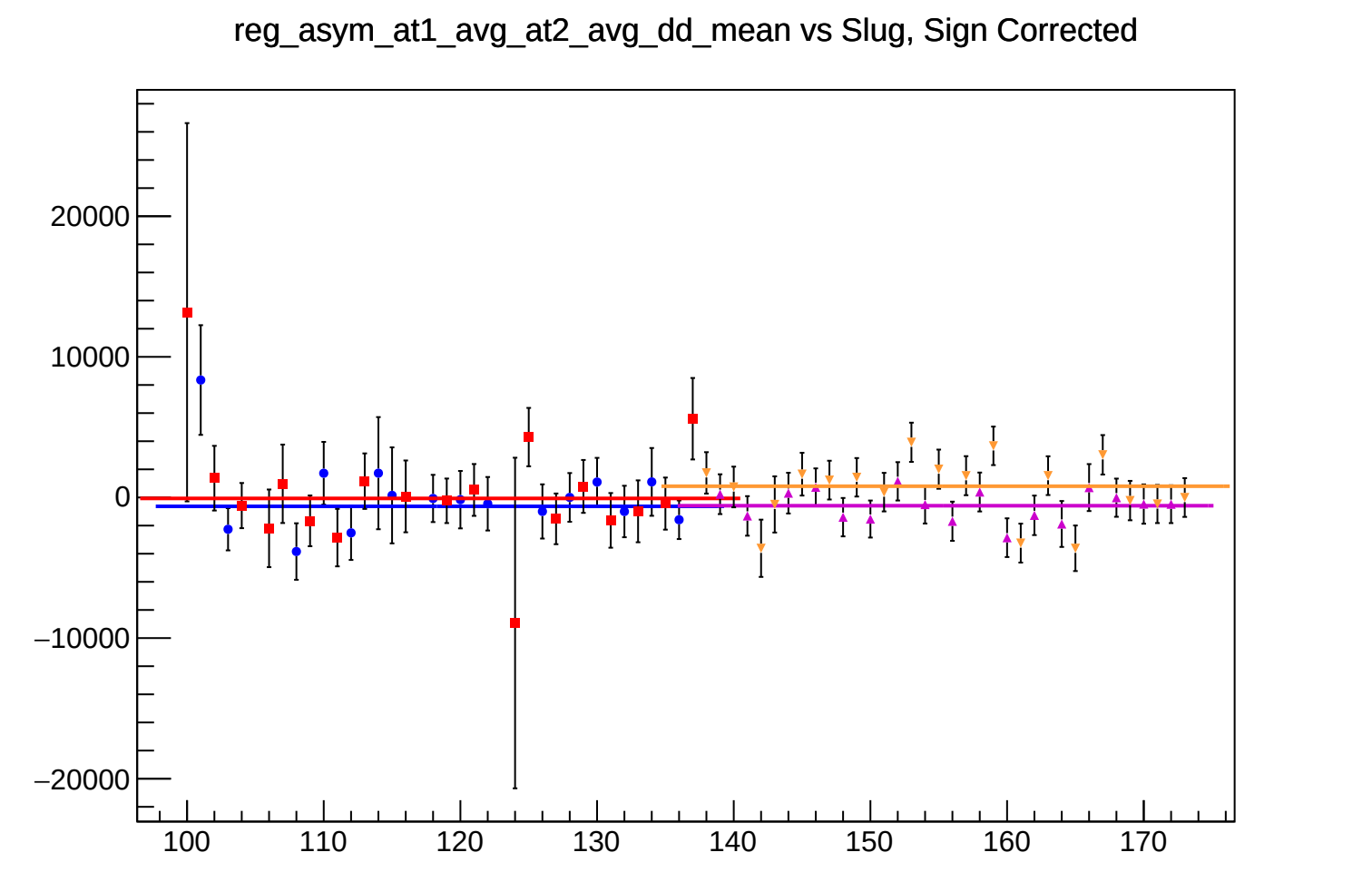
Left: 0.000+/-0.000 χ^2/NDF: 3572636.2/35

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:6812251.8/32

Out: 0.000+/-0.000 χ^2/NDF:6669415.5/37

All: 0.000+/-0.000 χ^2/NDF: 13497432.4/70



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 800.105+/-332.268 χ^2/NDF:37.3/18

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -587.016+/-339.943 χ^2/NDF:10.0/16

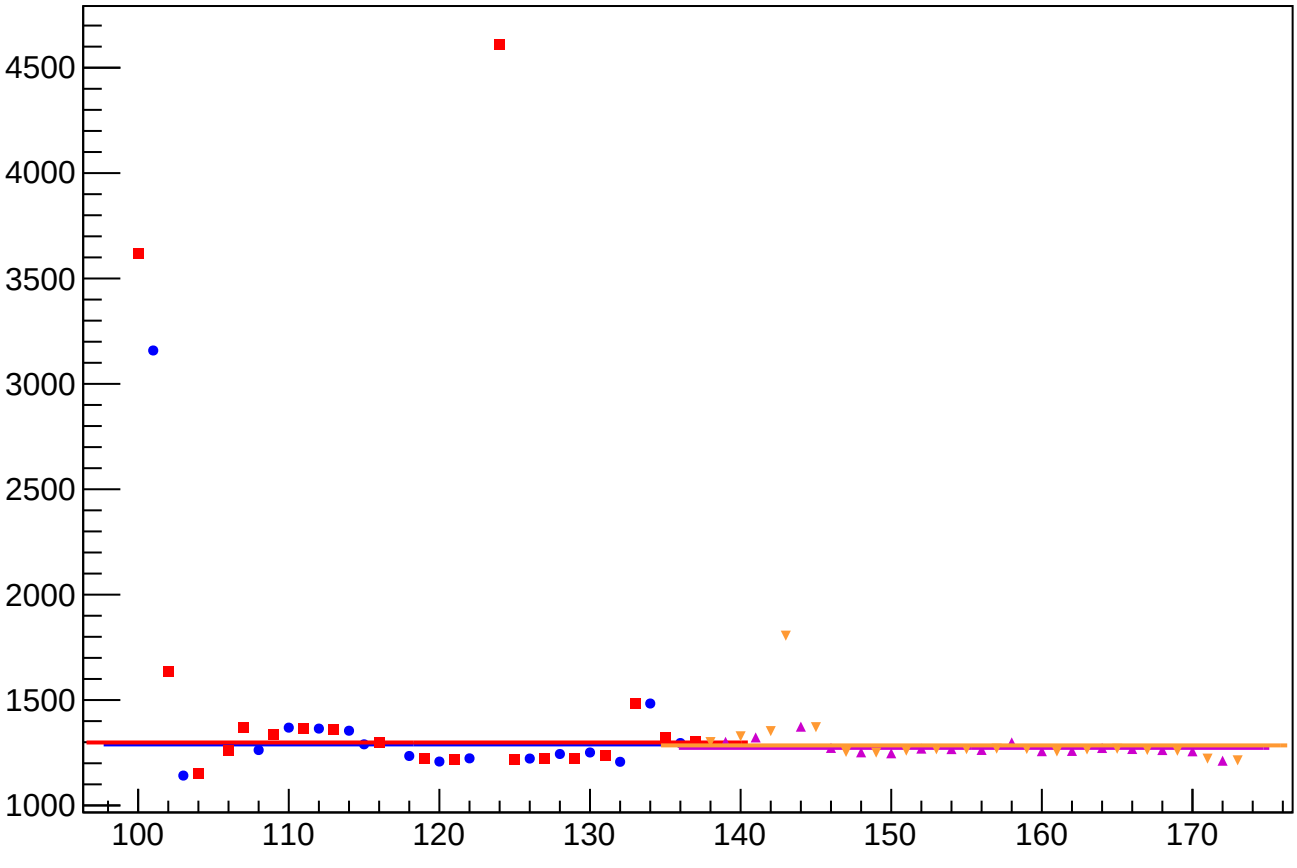
Left: 122.381+/-237.616 χ^2/NDF: 55.7/35

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -601.373+/-279.060 χ^2/NDF:23.9/32

Out: 525.062+/-274.606 χ^2/NDF:55.3/37

All: -29.095+/-195.732 χ^2/NDF: 87.5/70



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1284.835+/-0.235 χ^2/NDF:162767.3/18

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1273.082+/-0.240 χ^2/NDF:20041.8/16

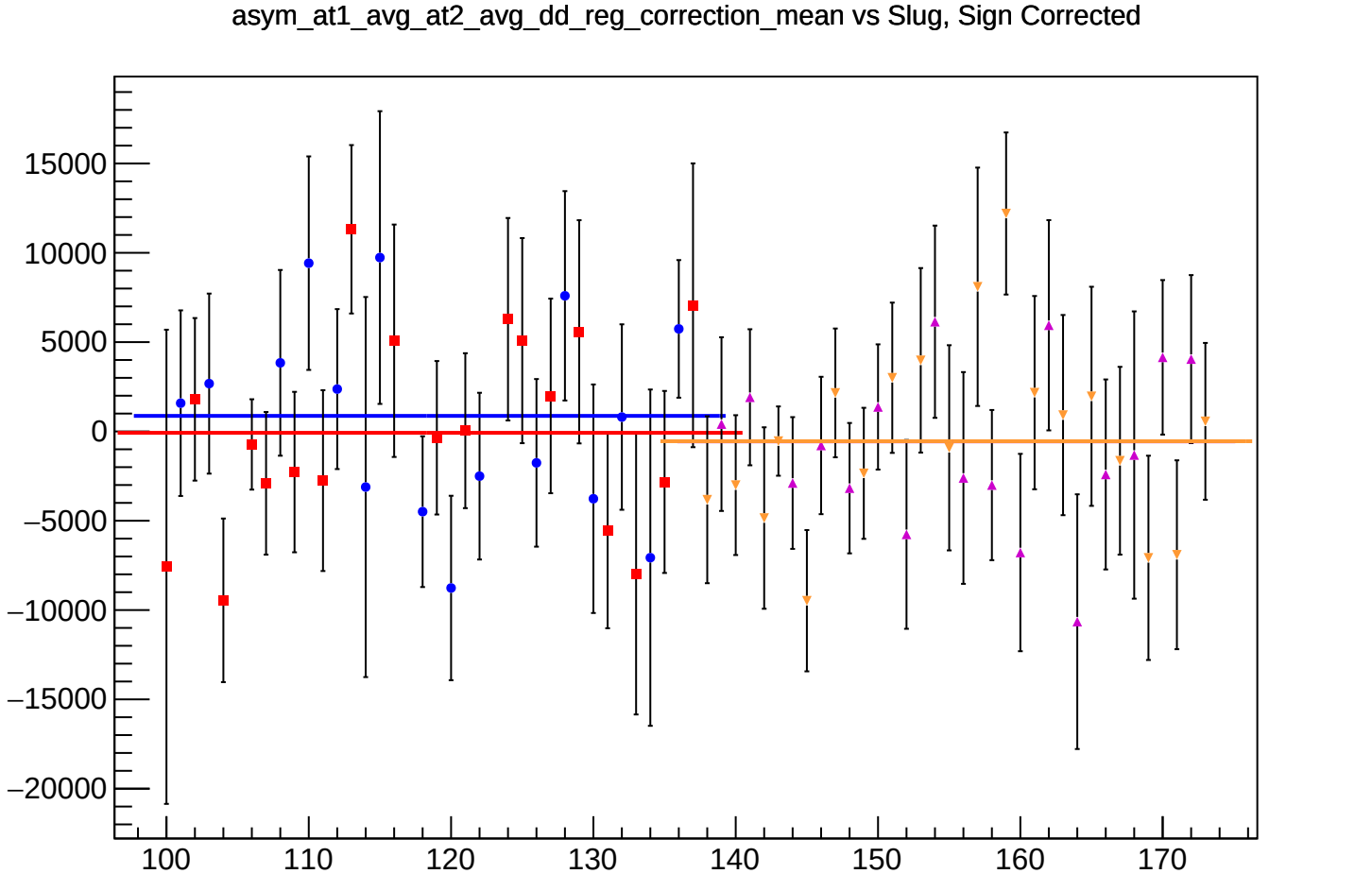
Left: 1279.093+/-0.168 χ^2/NDF: 184031.6/35

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1278.425+/-0.197 χ^2/NDF:536231.9/32

Out: 1289.231+/-0.194 χ^2/NDF:483242.9/37

All: 1283.920+/-0.138 χ^2/NDF: 1020999.6/70



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -548.542+/-965.250 χ^2/NDF:21.9/18

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -556.387+/-1121.530 χ^2/NDF:11.4/16

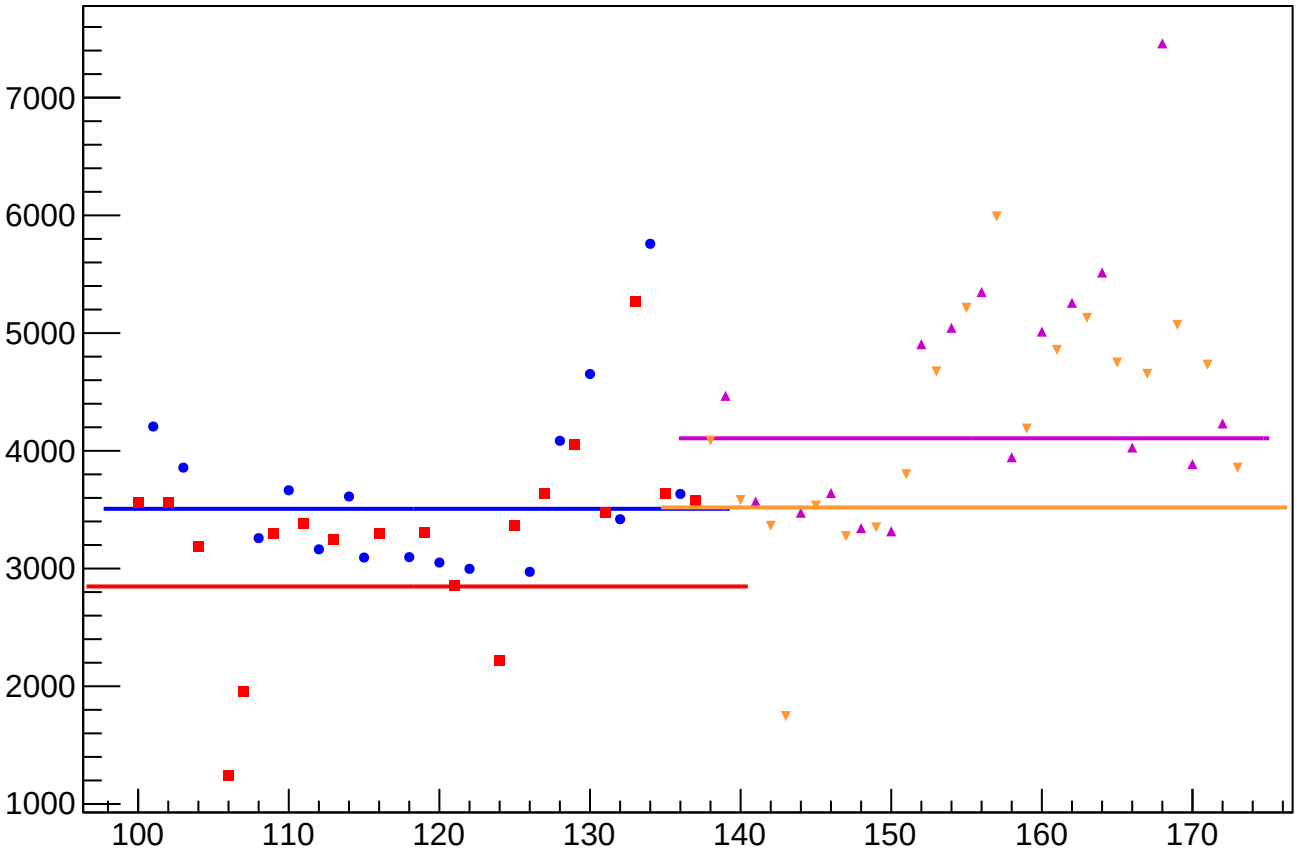
Left: -551.880+/-731.601 χ^2/NDF: 33.3/35

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 38.970+/-856.116 χ^2/NDF:26.1/32

Out: -345.865+/-728.676 χ^2/NDF:40.4/37

All: -184.195+/-554.894 χ^2/NDF: 66.6/70



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3519.157+/-0.683 χ^2/NDF:3043118.6/18

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4106.259+/-0.793 χ^2/NDF:1088548.5/16

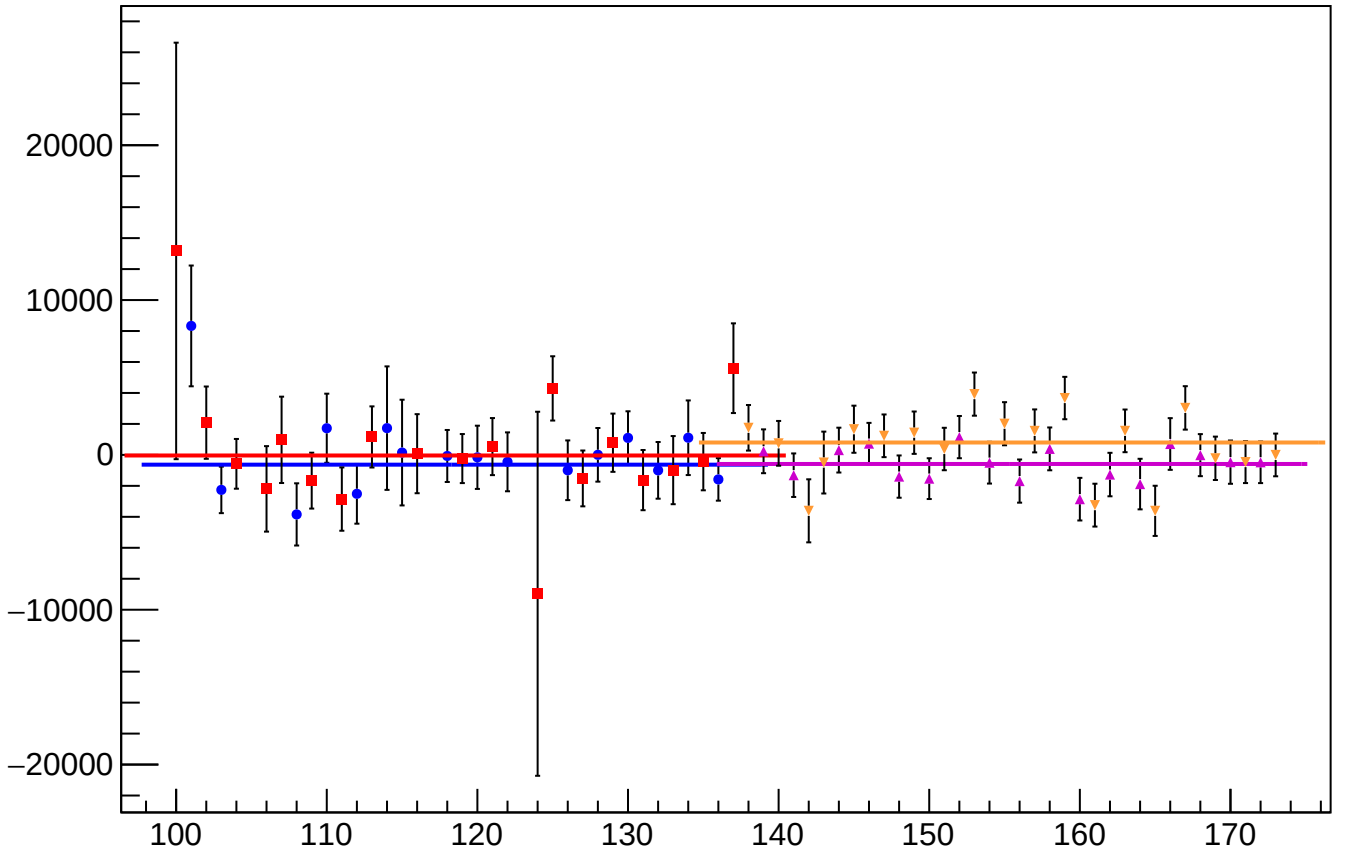
Left: 3768.985+/-0.517 χ^2/NDF: 4446518.2/35

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3856.353+/-0.605 χ^2/NDF:1680492.7/32

Out: 3230.412+/-0.515 χ^2/NDF:4958592.1/37

All: 3493.371+/-0.392 χ^2/NDF: 7259072.3/70



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 800.137+/-332.268 χ^2/NDF:37.3/18

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -586.987+/-339.943 χ^2/NDF:10.0/16

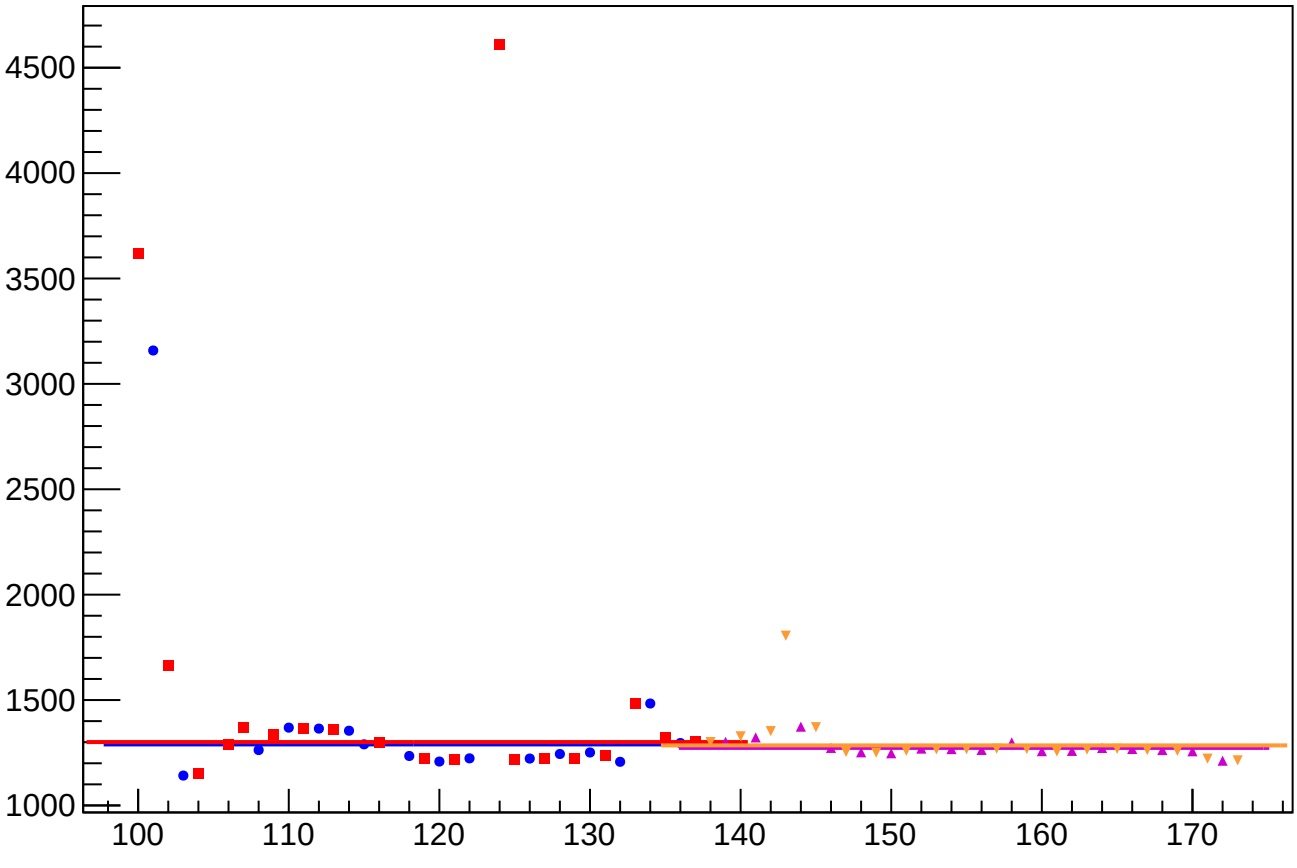
Left: 122.412+/-237.616 χ^2/NDF: 55.7/35

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -601.479+/-279.060 χ^2/NDF:23.8/32

Out: 534.522+/-274.664 χ^2/NDF:55.6/37

All: -24.460+/-195.753 χ^2/NDF: 87.9/70



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1284.835+/-0.235 χ^2/NDF:162767.3/18

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1273.082+/-0.240 χ^2/NDF:20041.8/16

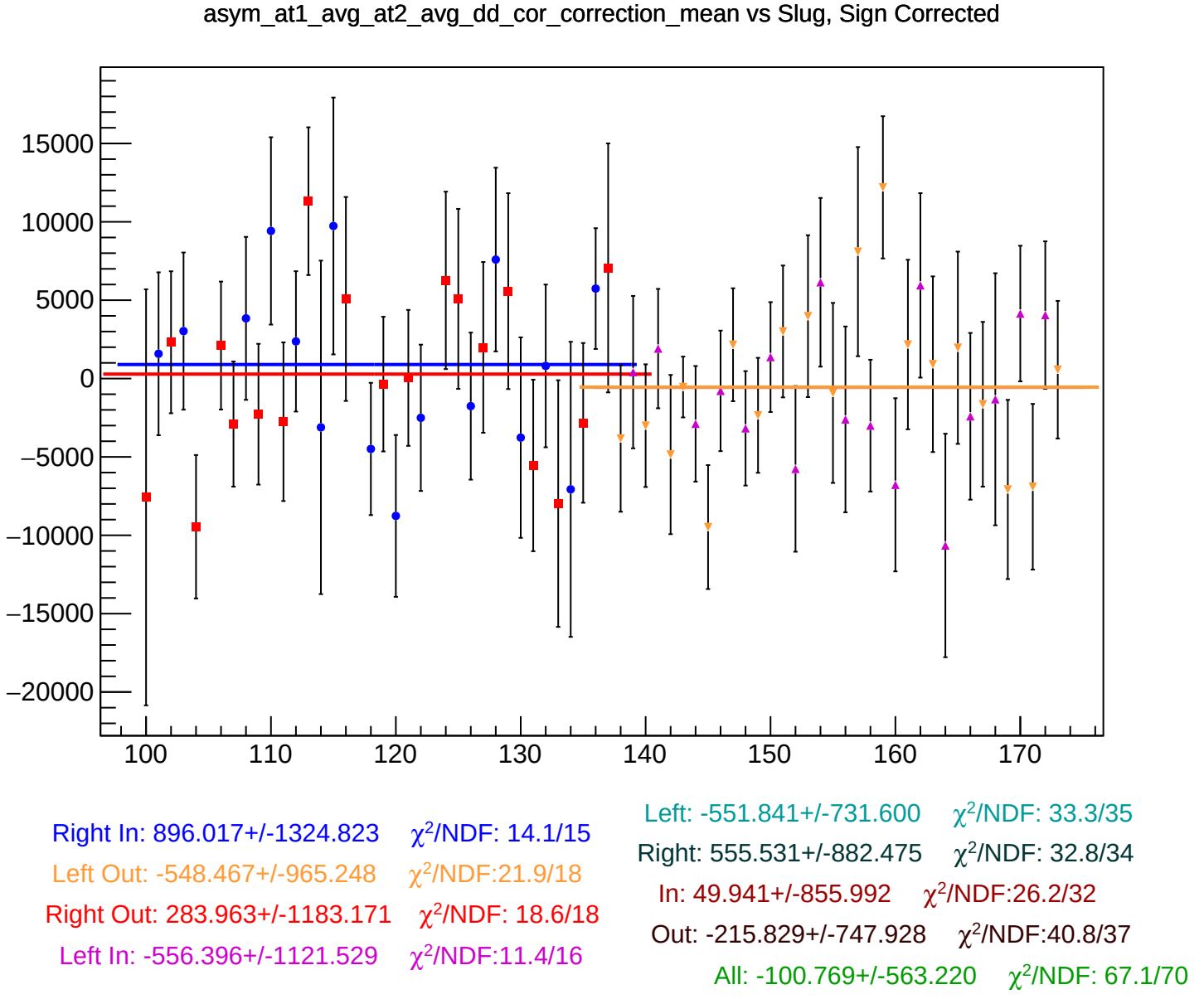
Left: 1279.093+/-0.168 χ^2/NDF: 184031.6/35

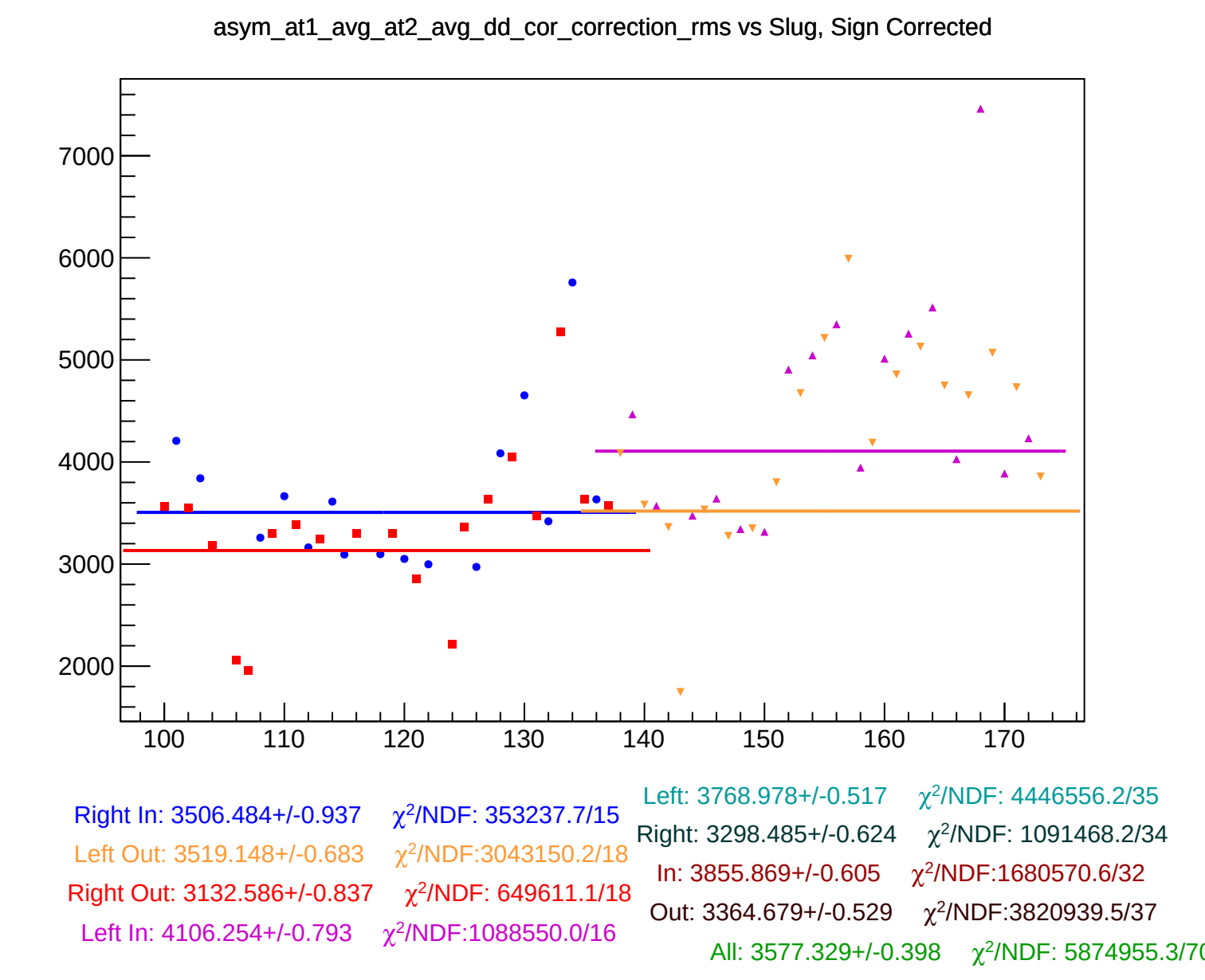
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

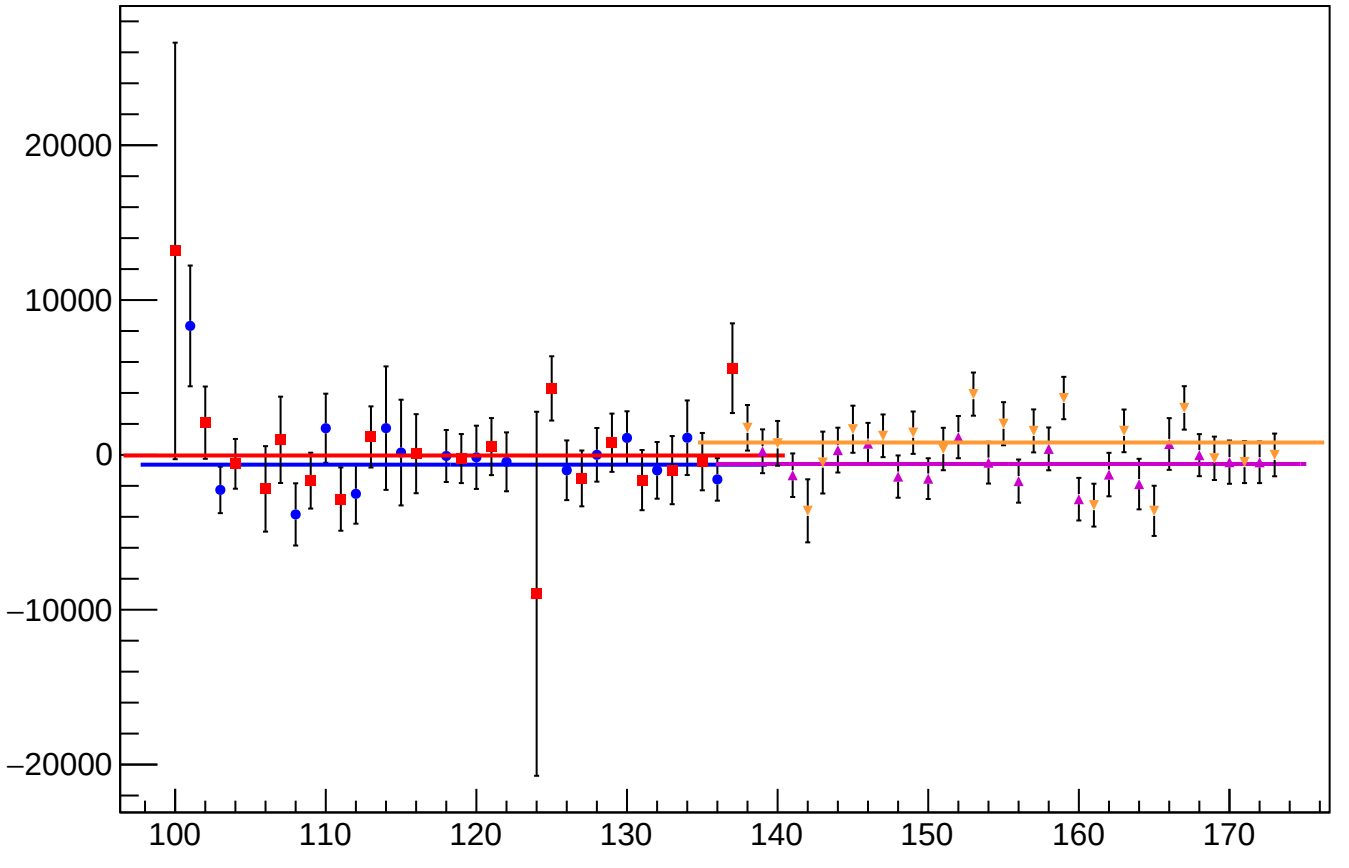
In: 1278.425+/-0.197 χ^2/NDF:536233.3/32

Out: 1289.867+/-0.194 χ^2/NDF:490119.6/37

All: 1284.240+/-0.138 χ^2/NDF: 1028061.6/70


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
170
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -548.467+/-965.248 χ²/NDF:21.9/18
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -556.396+/-1121.529 χ²/NDF:11.4/16
Left: -551.841+/-731.600 χ²/NDF: 33.3/35
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 49.941+/-855.992 χ²/NDF:26.2/32
Out: -215.829+/-747.928 χ²/NDF:40.8/37
All: -100.769+/-563.220 χ²/NDF: 67.1/70


asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 3506.484+/-0.937 χ²/NDF: 353237.7/15
Left Out: 3519.148+/-0.683 χ²/NDF:3043150.2/18
Right Out: 3132.586+/-0.837 χ²/NDF: 649611.1/18
Left In: 4106.254+/-0.793 χ²/NDF:1088550.0/16
Left: 3768.978+/-0.517 χ²/NDF: 4446556.2/35
Right: 3298.485+/-0.624 χ²/NDF: 1091468.2/34
In: 3855.869+/-0.605 χ²/NDF:1680570.6/32
Out: 3364.679+/-0.529 χ²/NDF:3820939.5/37
All: 3577.329+/-0.398 χ²/NDF: 5874955.3/70



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 800.137+/-332.268 χ^2/NDF:37.3/18

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -586.987+/-339.943 χ^2/NDF:10.0/16

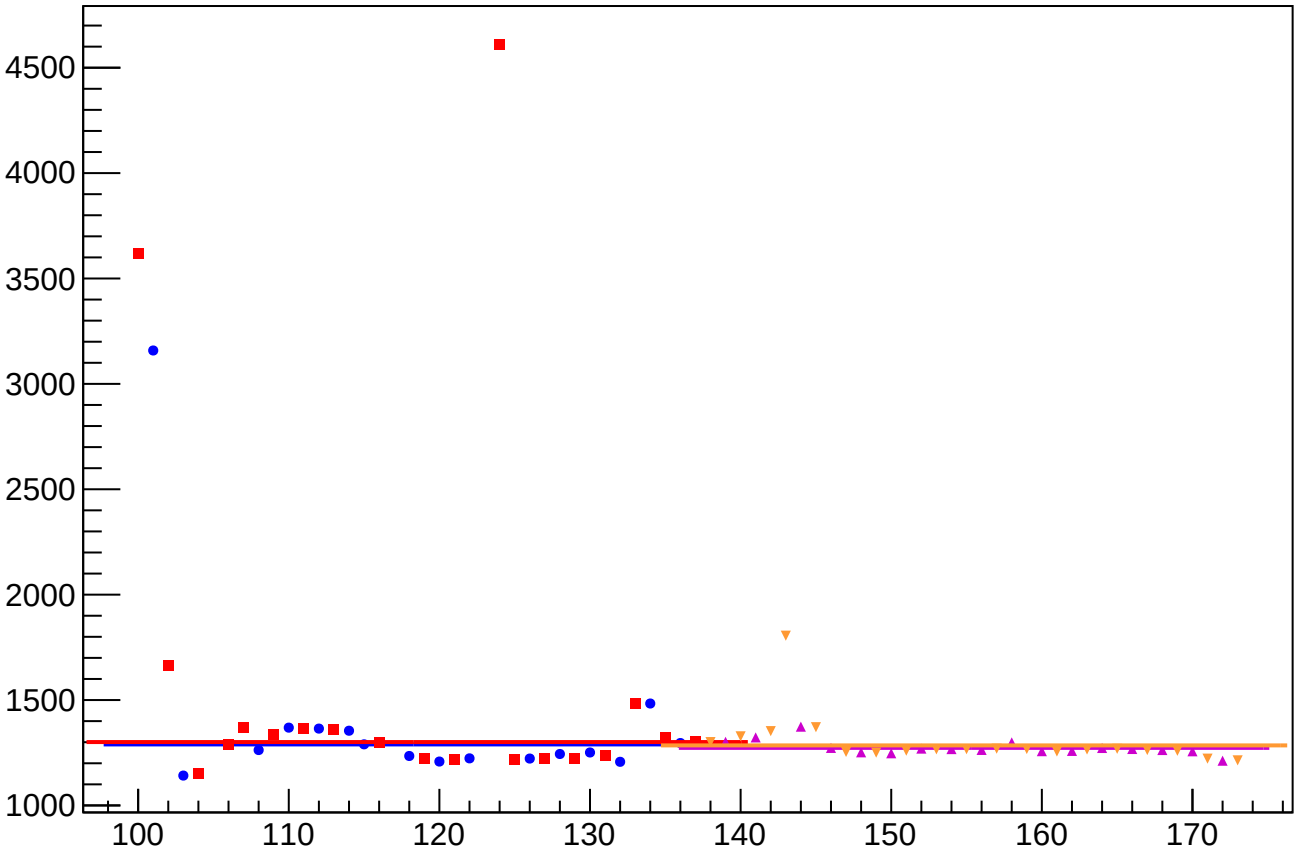
Left: 122.412+/-237.616 χ^2/NDF: 55.7/35

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -601.479+/-279.060 χ^2/NDF:23.8/32

Out: 534.522+/-274.664 χ^2/NDF:55.6/37

All: -24.460+/-195.753 χ^2/NDF: 87.9/70



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1284.835+/-0.235 χ^2/NDF:162767.3/18

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1273.082+/-0.240 χ^2/NDF:20041.8/16

Left: 1279.093+/-0.168 χ^2/NDF: 184031.6/35

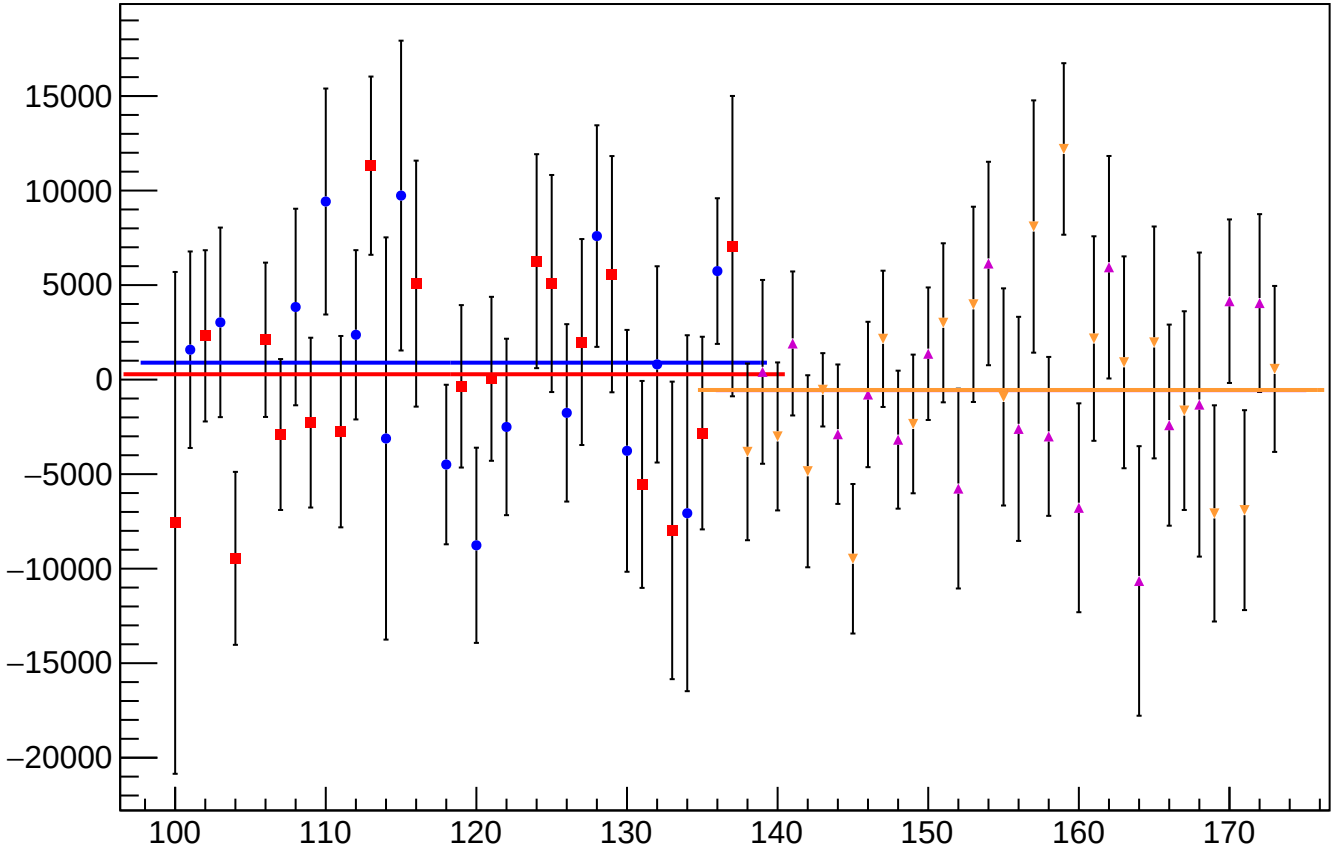
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1278.425+/-0.197 χ^2/NDF:536233.3/32

Out: 1289.867+/-0.194 χ^2/NDF:490119.6/37

All: 1284.240+/-0.138 χ^2/NDF: 1028061.6/70

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -548.467+/-965.248 χ^2/NDF:21.9/18

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -556.396+/-1121.529 χ^2/NDF:11.4/16

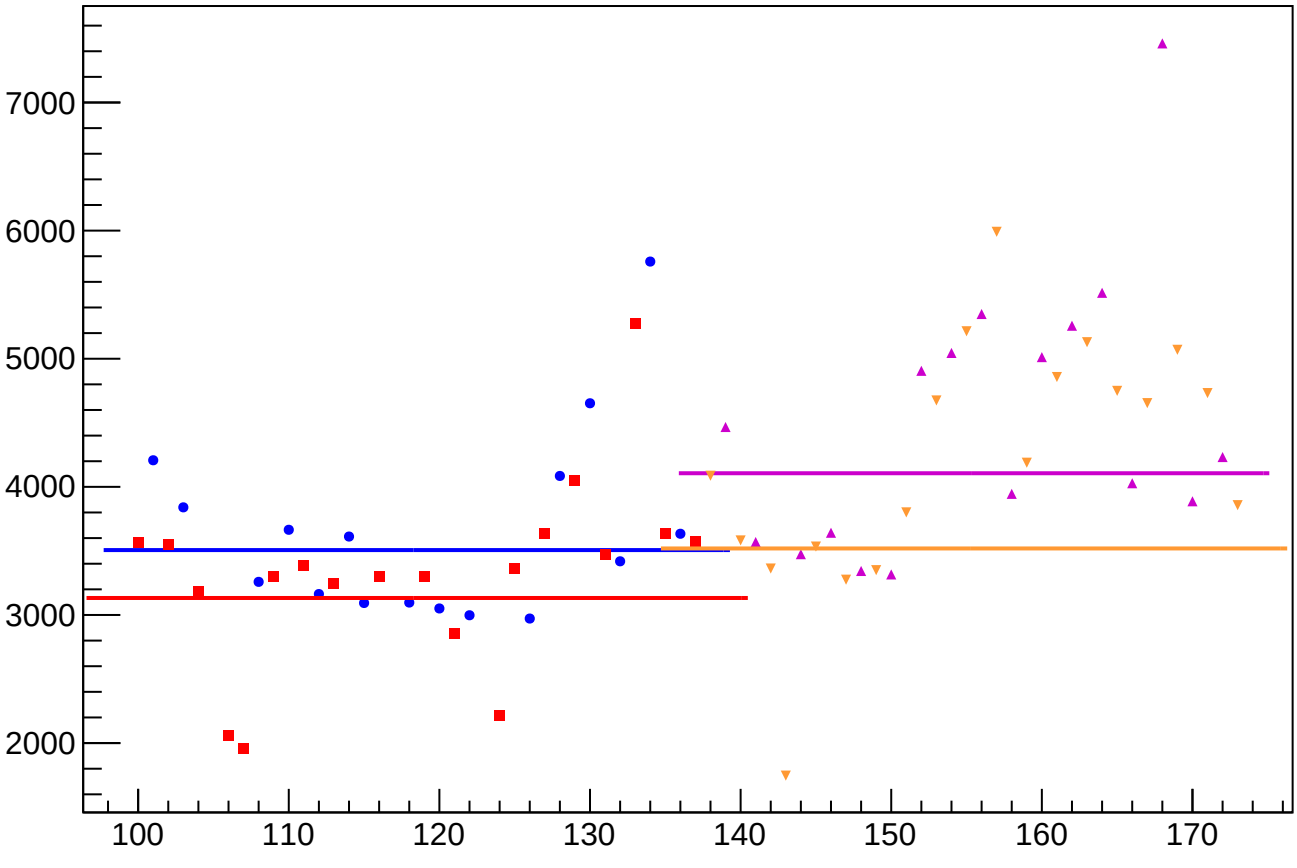
Left: -551.841+/-731.600 χ^2/NDF: 33.3/35

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 49.941+/-855.992 χ^2/NDF:26.2/32

Out: -215.829+/-747.928 χ^2/NDF:40.8/37

All: -100.769+/-563.220 χ^2/NDF: 67.1/70



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3519.148+/-0.683 χ^2/NDF:3043150.2/18

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4106.254+/-0.793 χ^2/NDF:1088550.0/16

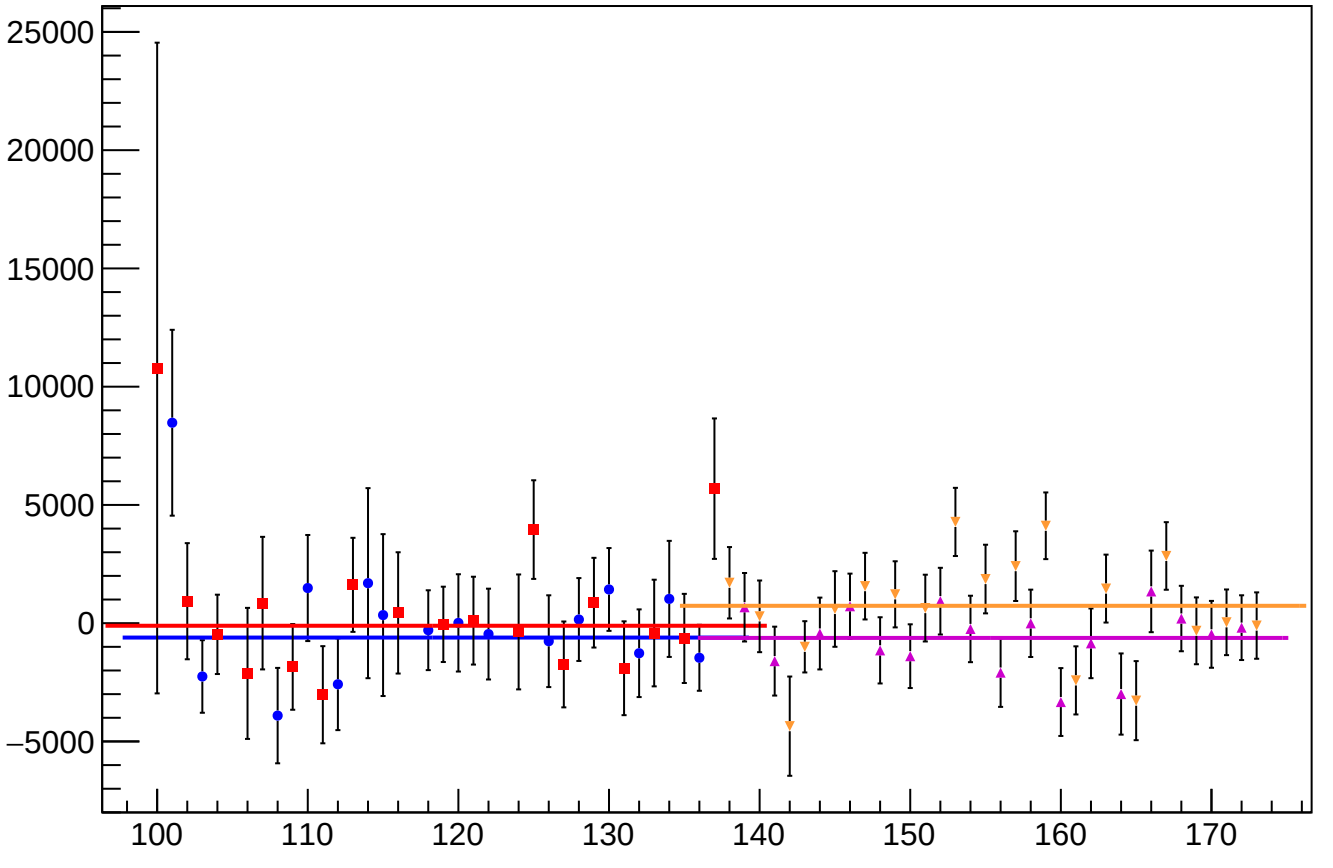
Left: 3768.978+/-0.517 χ^2/NDF: 4446556.2/35

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3855.869+/-0.605 χ^2/NDF:1680570.6/32

Out: 3364.679+/-0.529 χ^2/NDF:3820939.5/37

All: 3577.329+/-0.398 χ^2/NDF: 5874955.3/70



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 735.045+/-331.086 χ^2/NDF:37.3/18

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -623.077+/-350.788 χ^2/NDF:12.5/16

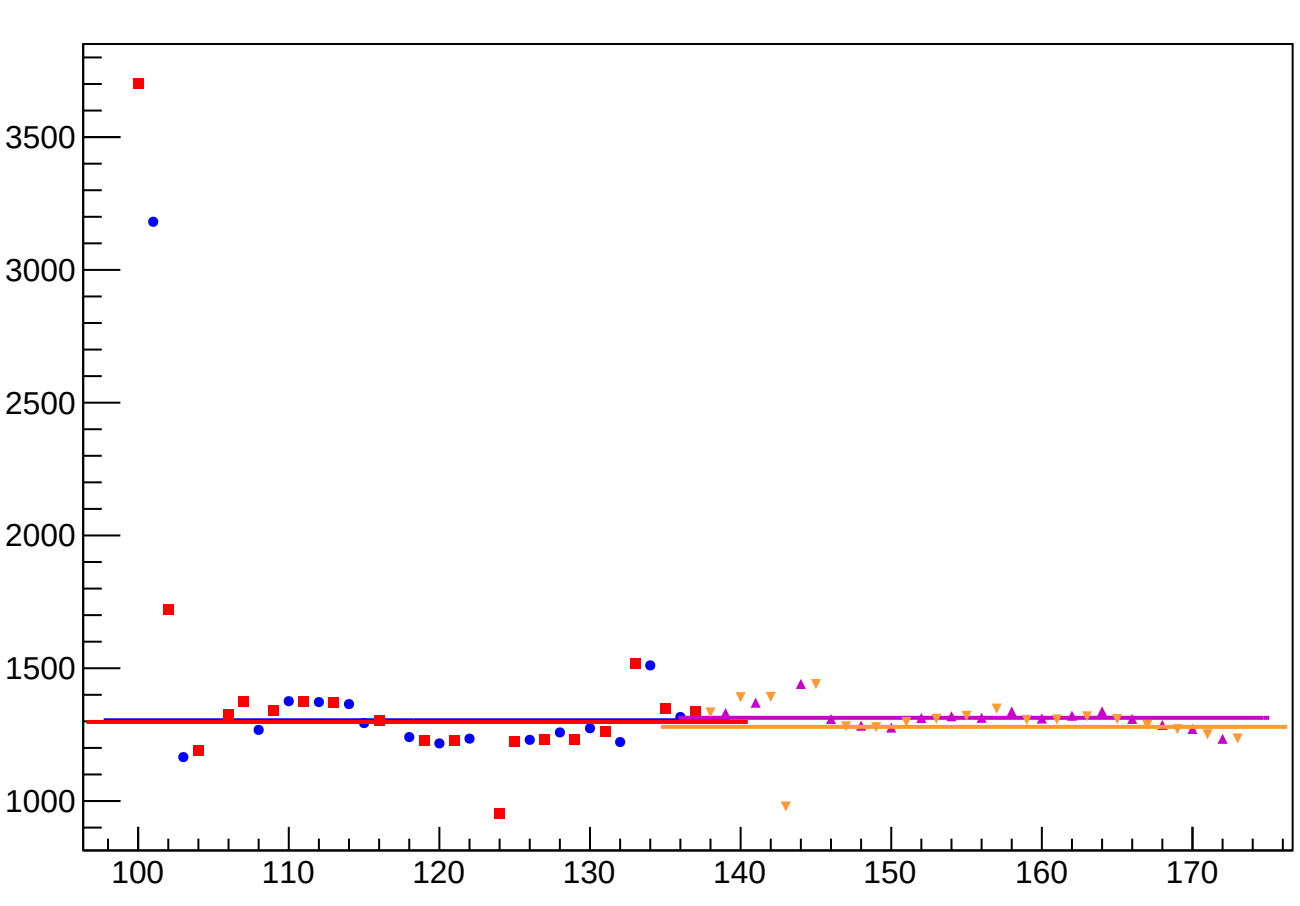
Left: 95.192+/-240.777 χ^2/NDF: 57.7/35

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -617.969+/-286.049 χ^2/NDF:26.6/32

Out: 467.281+/-273.545 χ^2/NDF:54.2/37

All: -51.108+/-197.698 χ^2/NDF: 88.3/70



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1279.191+/-0.234 χ^2/NDF:206354.8/18

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1313.353+/-0.248 χ^2/NDF:30163.2/16

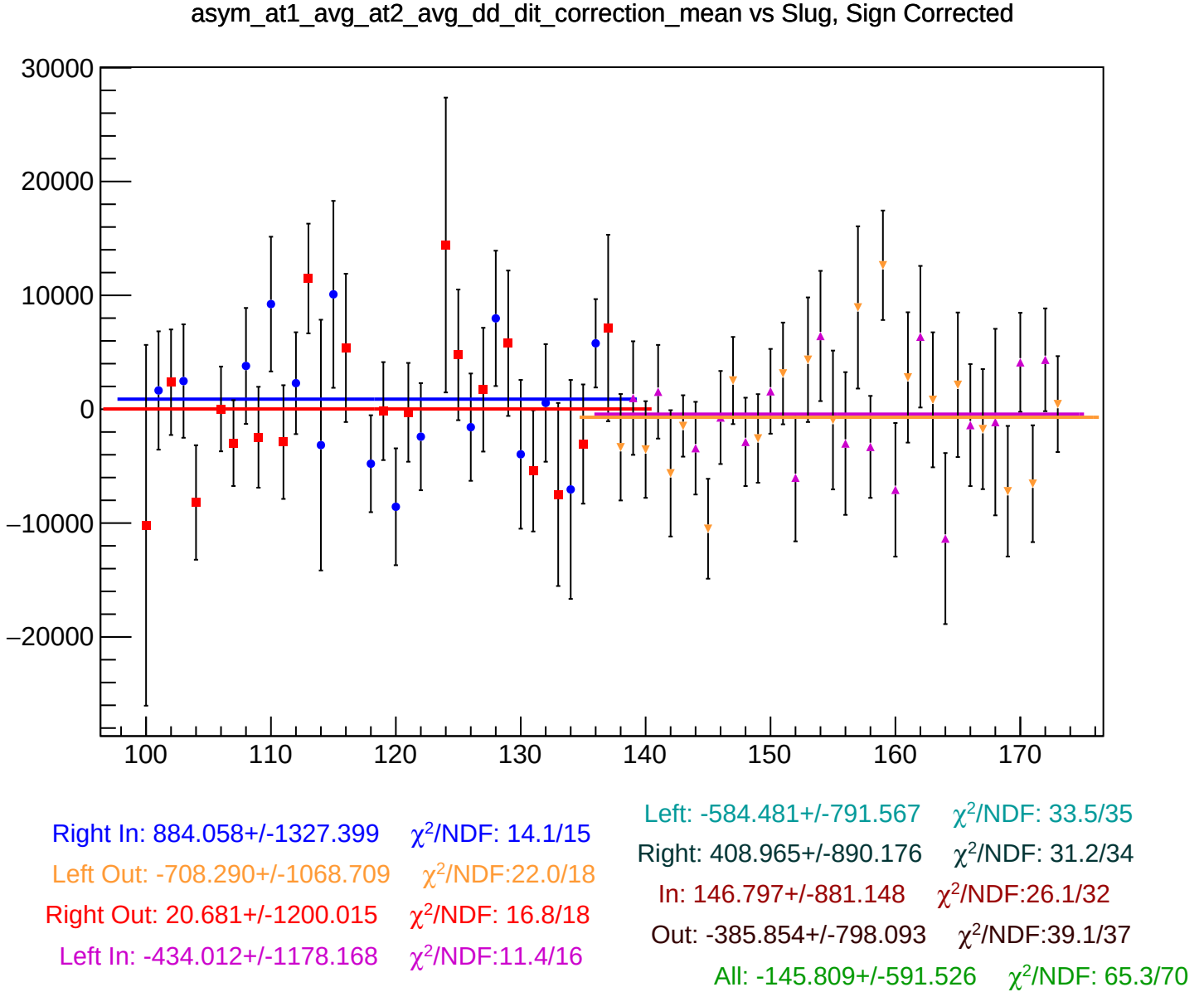
Left: 1295.286+/-0.170 χ^2/NDF: 246549.6/35

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

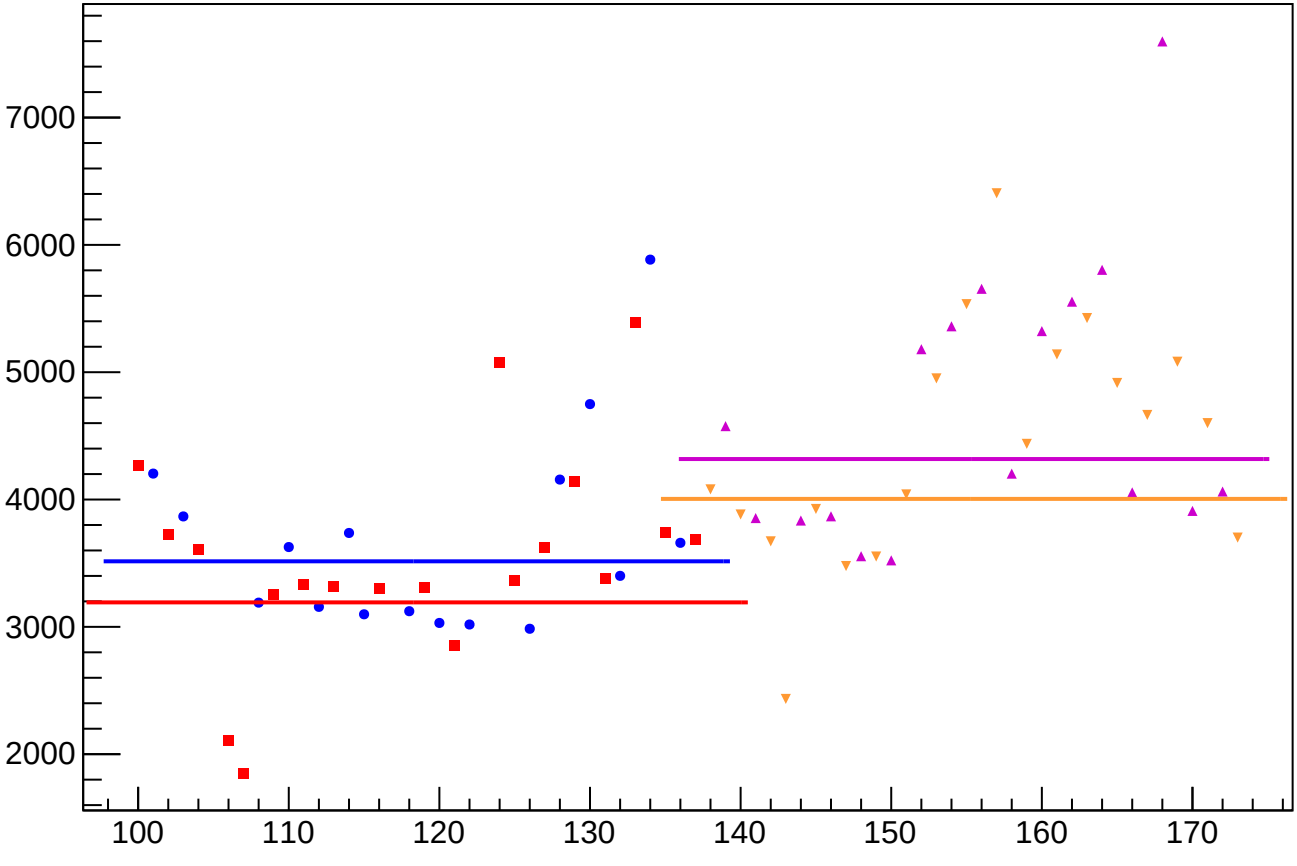
In: 1310.253+/-0.202 χ^2/NDF:541218.6/32

Out: 1285.102+/-0.193 χ^2/NDF:421458.2/37

All: 1297.113+/-0.140 χ^2/NDF: 970755.2/70


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
170
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -708.290+/-1068.709 χ²/NDF:22.0/18
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -434.012+/-1178.168 χ²/NDF:11.4/16
Left: -584.481+/-791.567 χ²/NDF: 33.5/35
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: 146.797+/-881.148 χ²/NDF:26.1/32
Out: -385.854+/-798.093 χ²/NDF:39.1/37
All: -145.809+/-591.526 χ²/NDF: 65.3/70

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: 4005.003+/-0.756 χ^2/NDF:1556289.4/18

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4318.026+/-0.833 χ^2/NDF:1024028.2/16

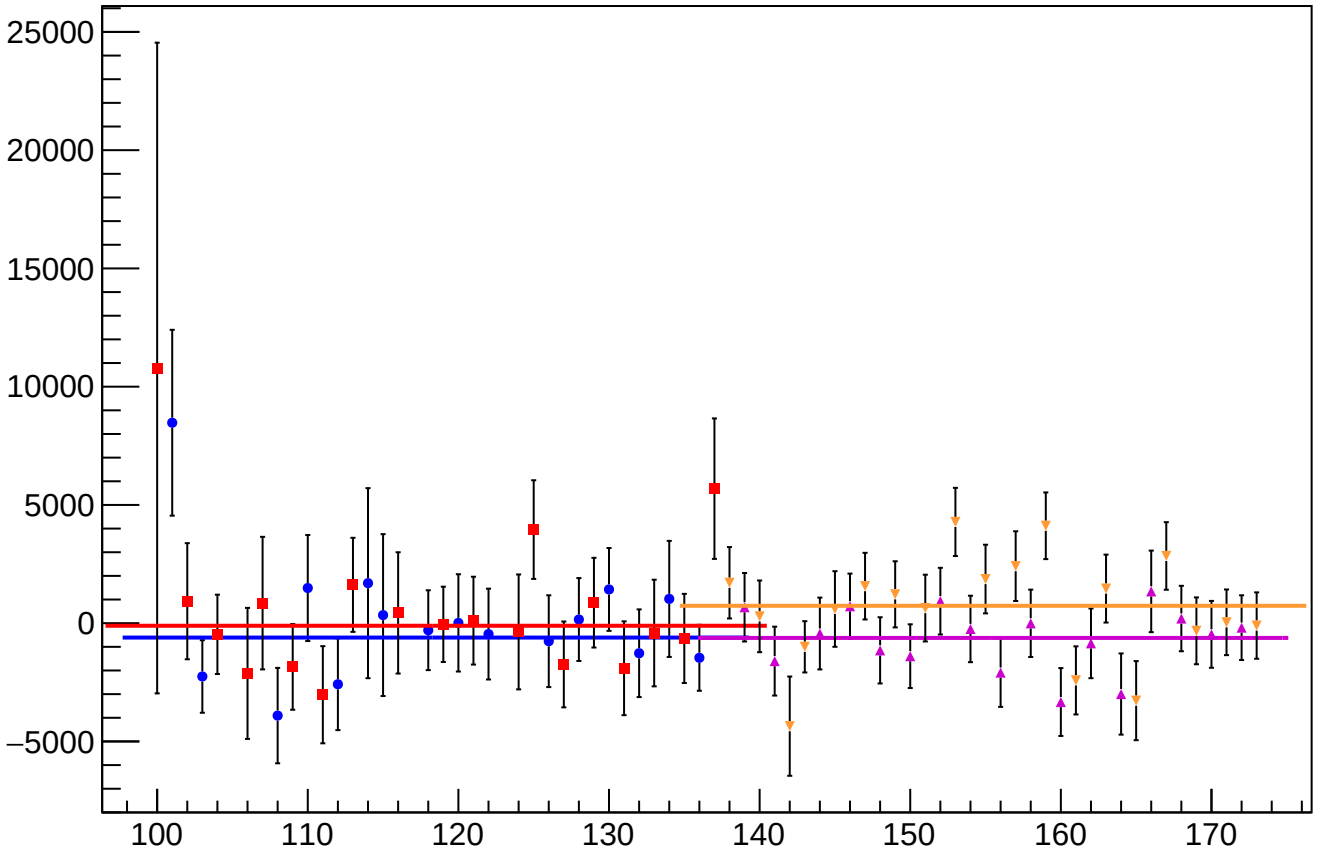
Left: 4146.301+/-0.560 χ^2/NDF: 2657768.1/35

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3964.060+/-0.623 χ^2/NDF:1808786.4/32

Out: 3645.488+/-0.564 χ^2/NDF:2840480.3/37

All: 3789.056+/-0.418 χ^2/NDF: 4792877.5/70



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 735.048+/-331.086 χ^2/NDF:37.3/18

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -623.078+/-350.788 χ^2/NDF:12.5/16

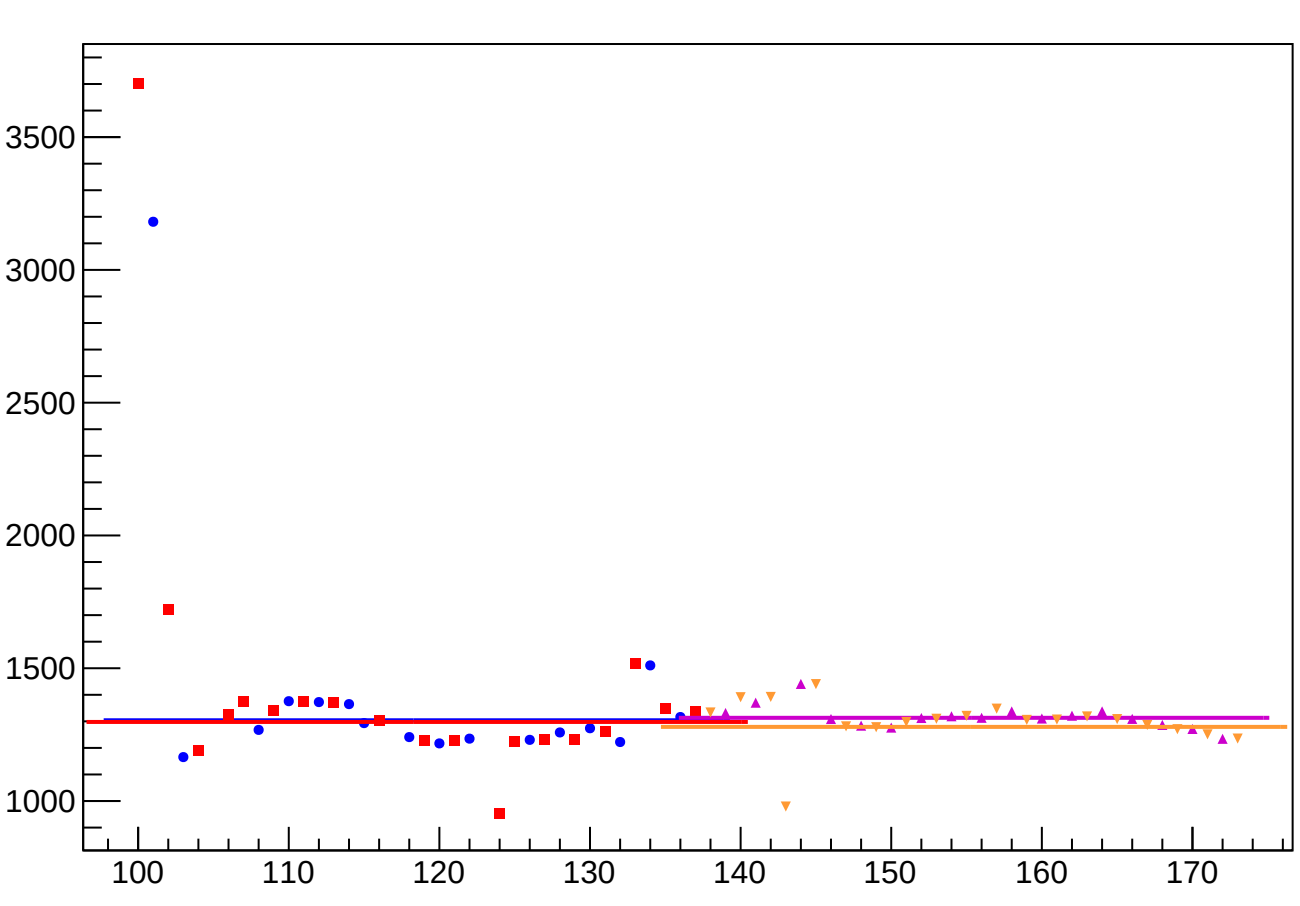
Left: 95.193+/-240.777 χ^2/NDF: 57.7/35

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -617.970+/-286.049 χ^2/NDF:26.6/32

Out: 467.281+/-273.545 χ^2/NDF:54.2/37

All: -51.108+/-197.698 χ^2/NDF: 88.3/70



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1279.192+/-0.234 χ^2/NDF:206356.0/18

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1313.354+/-0.248 χ^2/NDF:30163.9/16

Left: 1295.286+/-0.170 χ^2/NDF: 246551.6/35

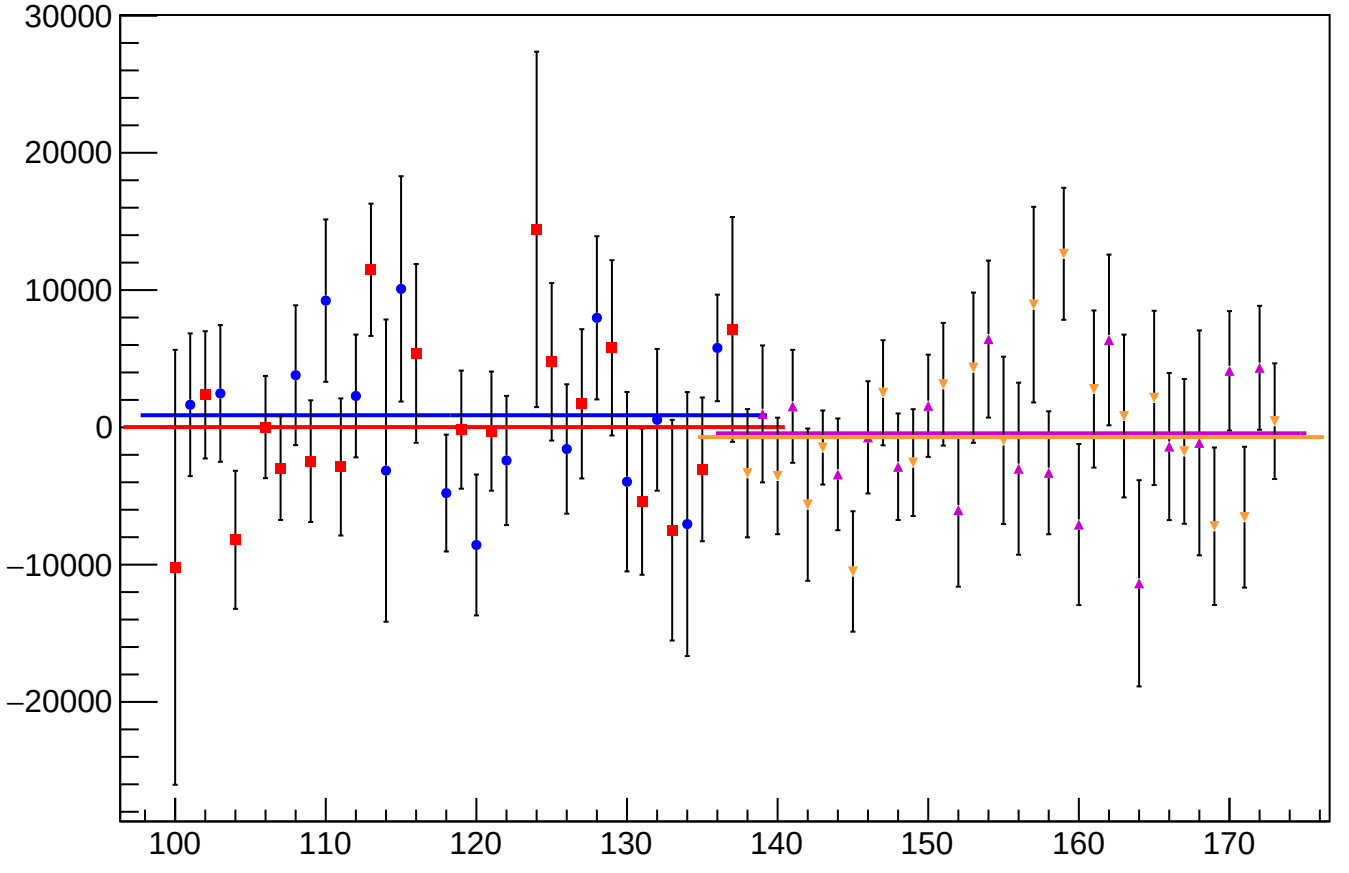
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1310.254+/-0.202 χ^2/NDF:541219.6/32

Out: 1285.102+/-0.193 χ^2/NDF:421459.3/37

All: 1297.114+/-0.140 χ^2/NDF: 970757.3/70

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -708.288+/-1068.711 χ^2/NDF:22.0/18

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -434.011+/-1178.170 χ^2/NDF:11.4/16

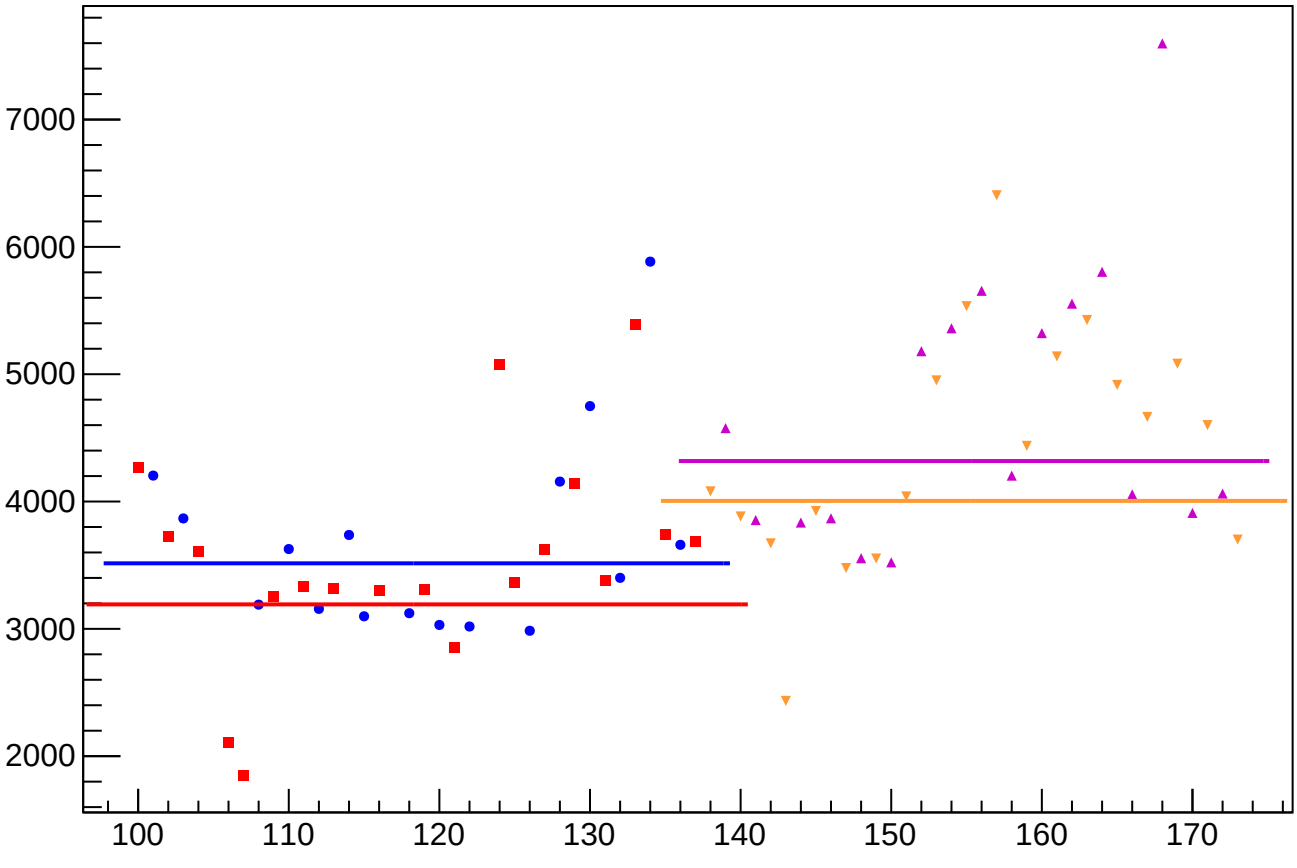
Left: -584.480+/-791.568 χ^2/NDF: 33.5/35

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 146.795+/-881.148 χ^2/NDF:26.1/32

Out: -385.853+/-798.093 χ^2/NDF:39.1/37

All: -145.809+/-591.526 χ^2/NDF: 65.3/70



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4005.009+/-0.756 χ^2/NDF:1556290.4/18

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4318.032+/-0.833 χ^2/NDF:1024030.4/16

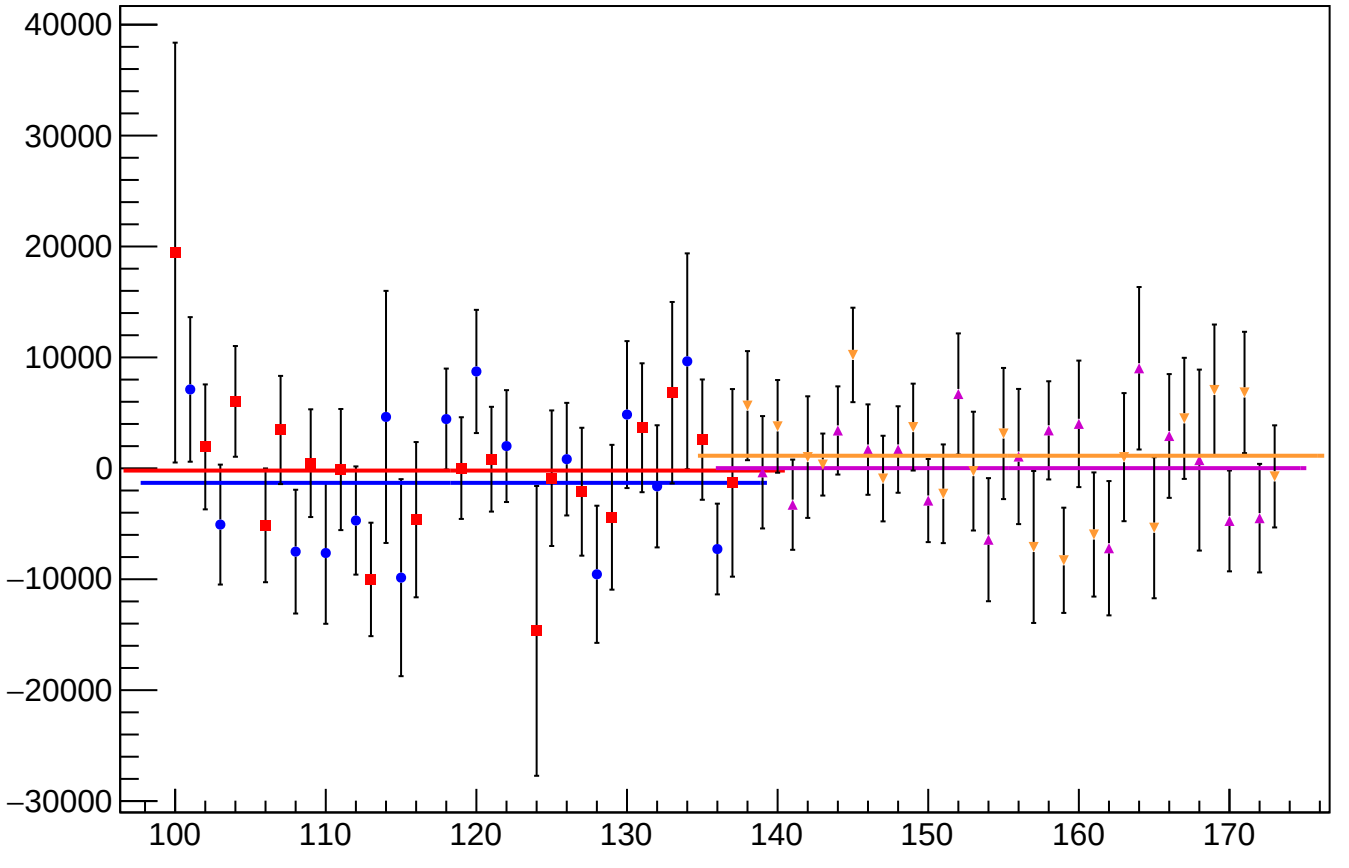
Left: 4146.308+/-0.560 χ^2/NDF: 2657770.8/35

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3964.058+/-0.623 χ^2/NDF:1808808.8/32

Out: 3645.487+/-0.564 χ^2/NDF:2840501.8/37

All: 3789.054+/-0.418 χ^2/NDF: 4792921.0/70



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1135.281+/-1080.463 χ^2/NDF:18.1/18

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 16.762+/-1180.340 χ^2/NDF:11.5/16

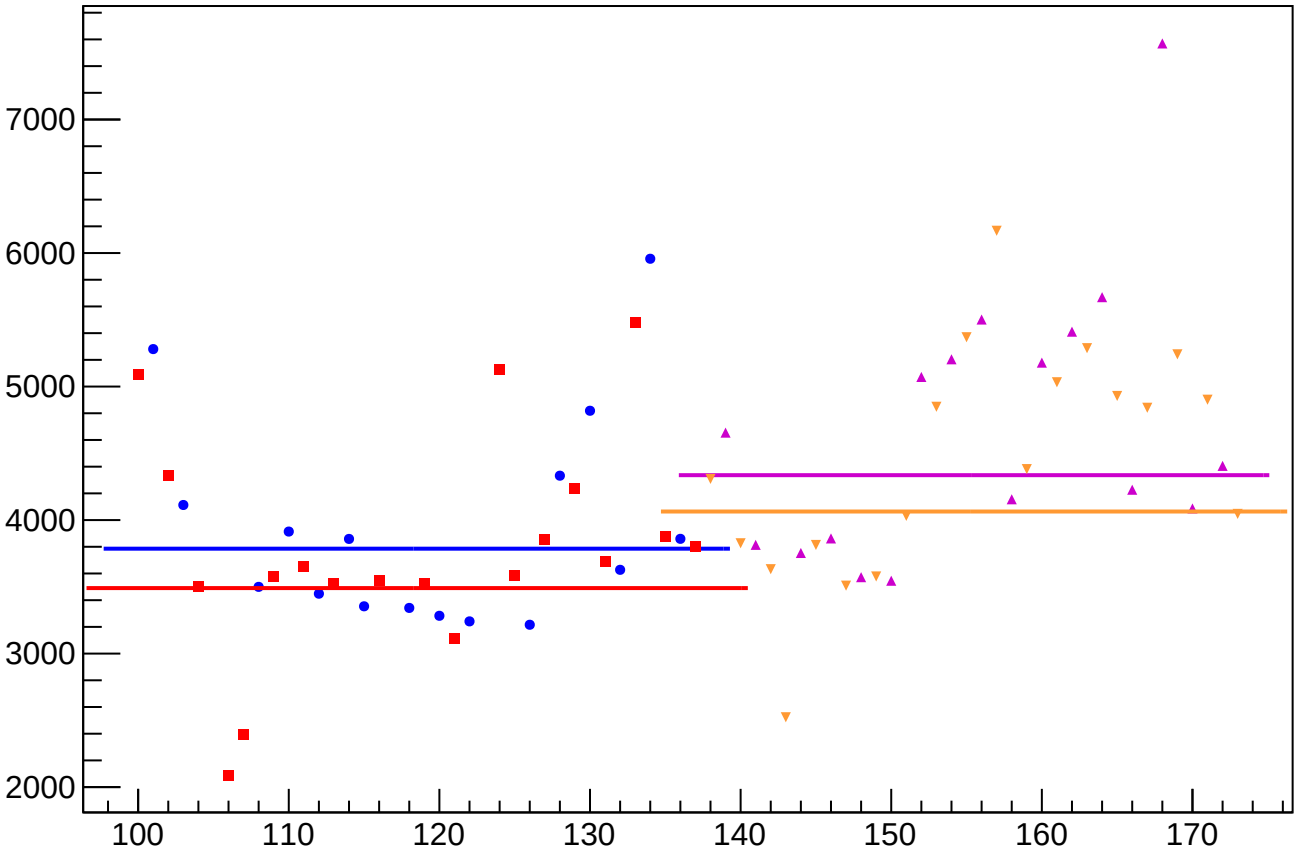
Left: 625.339+/-796.977 χ^2/NDF: 30.0/35

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -519.885+/-910.717 χ^2/NDF:29.6/32

Out: 606.683+/-840.126 χ^2/NDF:30.3/37

All: 88.746+/-617.509 χ^2/NDF: 60.7/70



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4064.112+/-0.764 χ^2/NDF:1402478.4/18

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4336.304+/-0.835 χ^2/NDF:932690.4/16

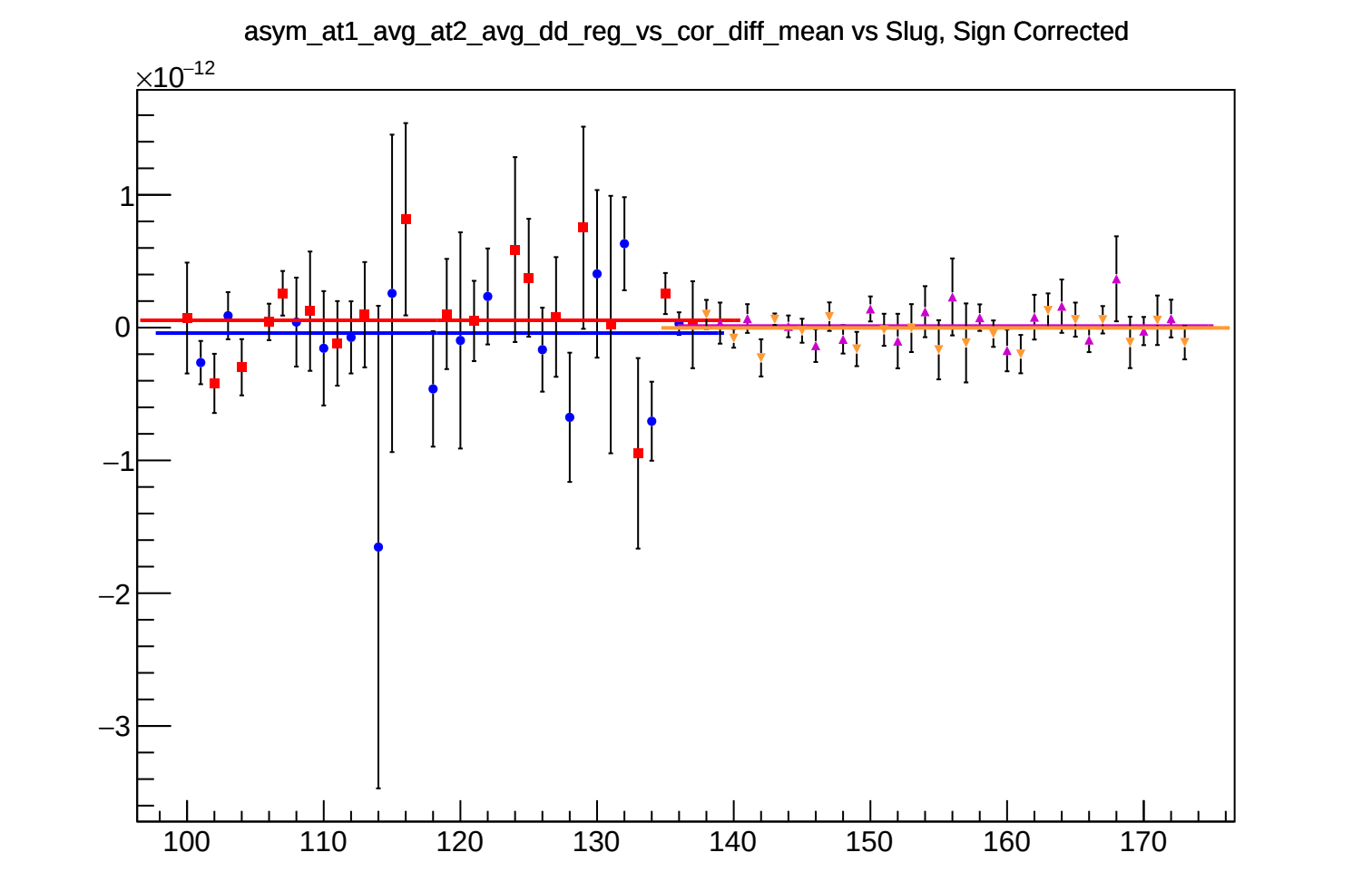
Left: 4188.207+/-0.564 χ^2/NDF: 2393037.1/35

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4113.515+/-0.644 χ^2/NDF:1491756.0/32

Out: 3833.577+/-0.591 χ^2/NDF:2215699.3/37

All: 3961.517+/-0.435 χ^2/NDF: 3810059.3/70



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.0/16

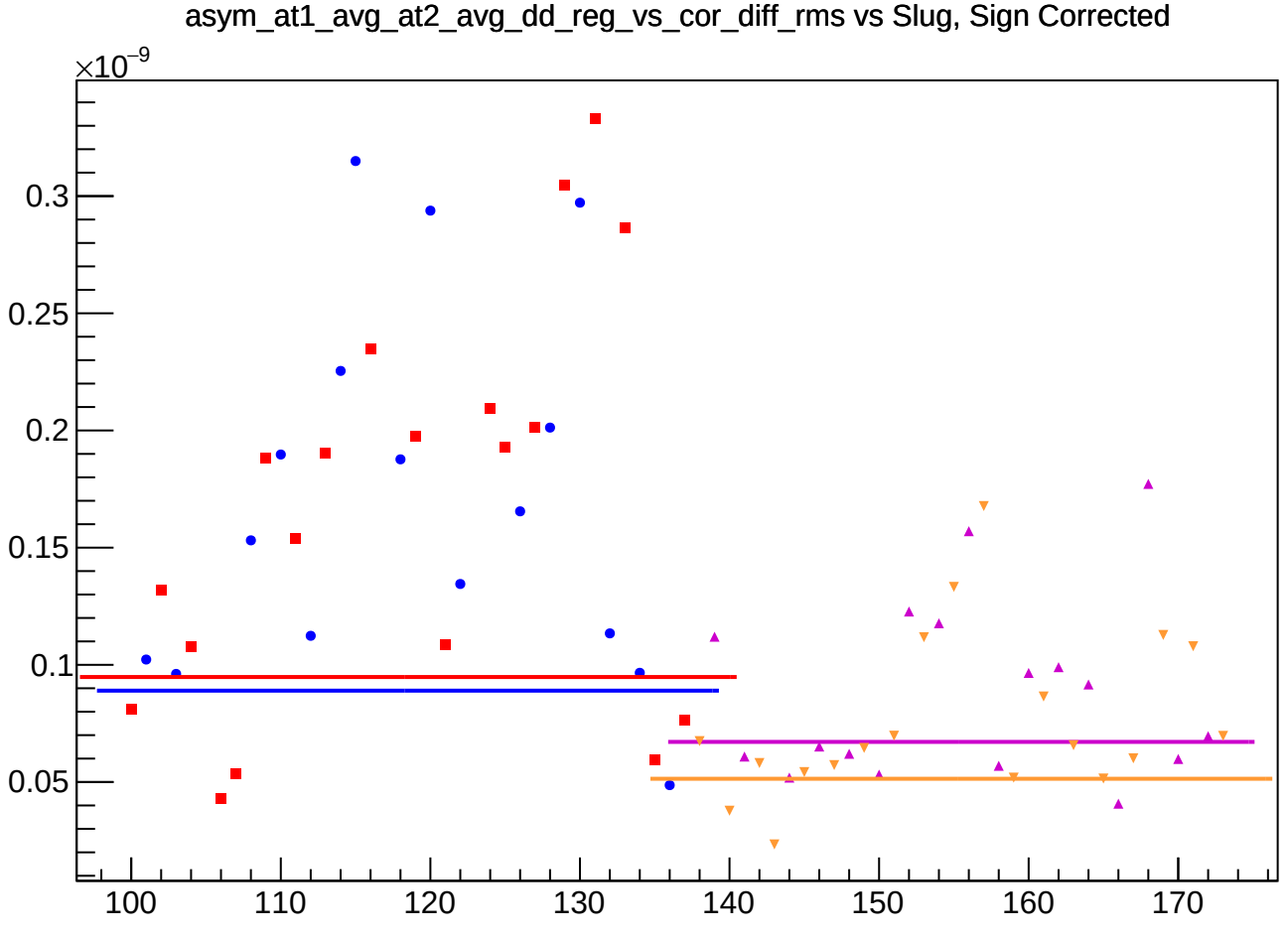
Left: 0.000+/-0.000 χ^2/NDF: 25.7/35

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:28.2/32

Out: 0.000+/-0.000 χ^2/NDF:31.2/37

All: 0.000+/-0.000 χ^2/NDF: 59.4/70



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2392370.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1375148.3/16

Left: 0.000+/-0.000 χ^2/NDF: 4095116.4/35

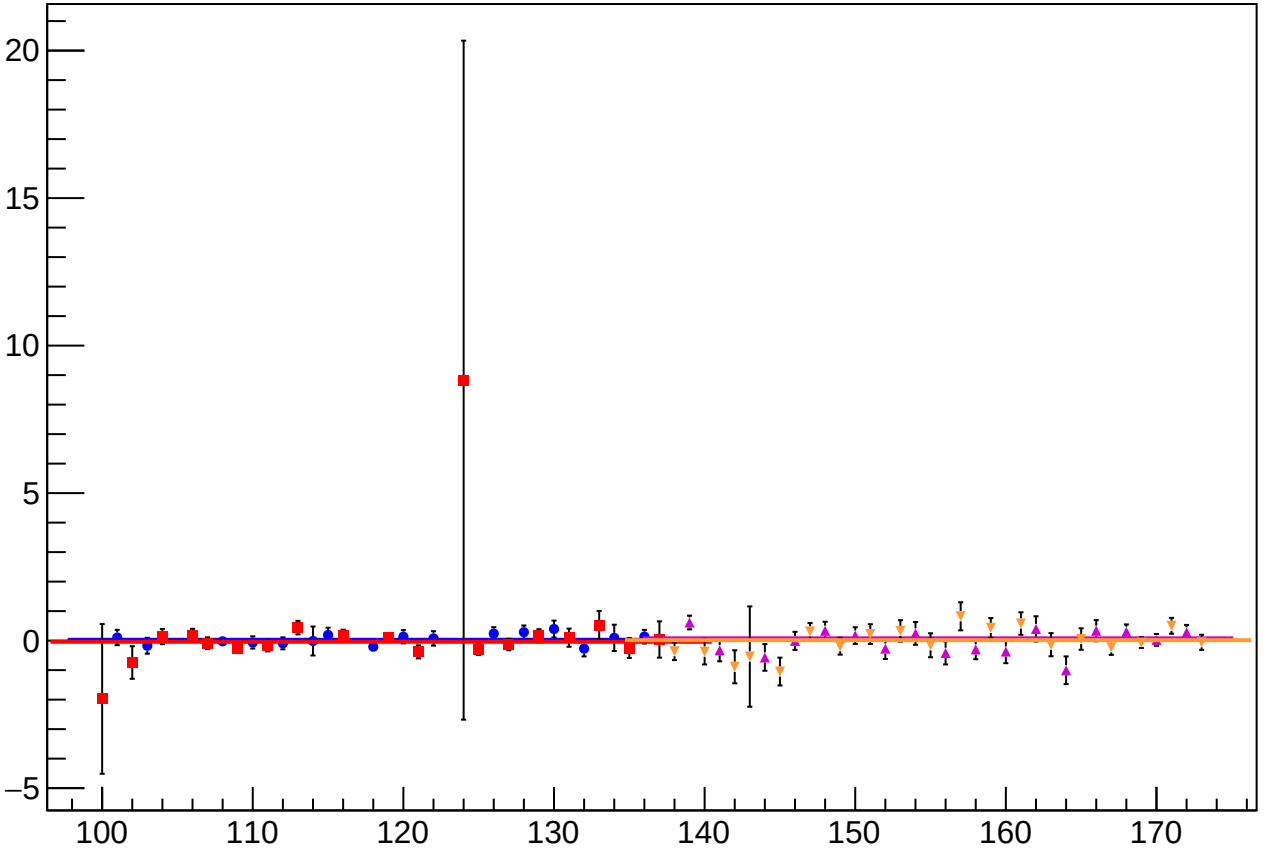
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3052520.8/32

Out: 0.000+/-0.000 χ^2/NDF:4934415.5/37

All: 0.000+/-0.000 χ^2/NDF: 8348507.3/70

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: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.077+/-0.076 χ^2/NDF:22.6/16

Left: 0.046+/-0.053 χ^2/NDF: 47.1/35

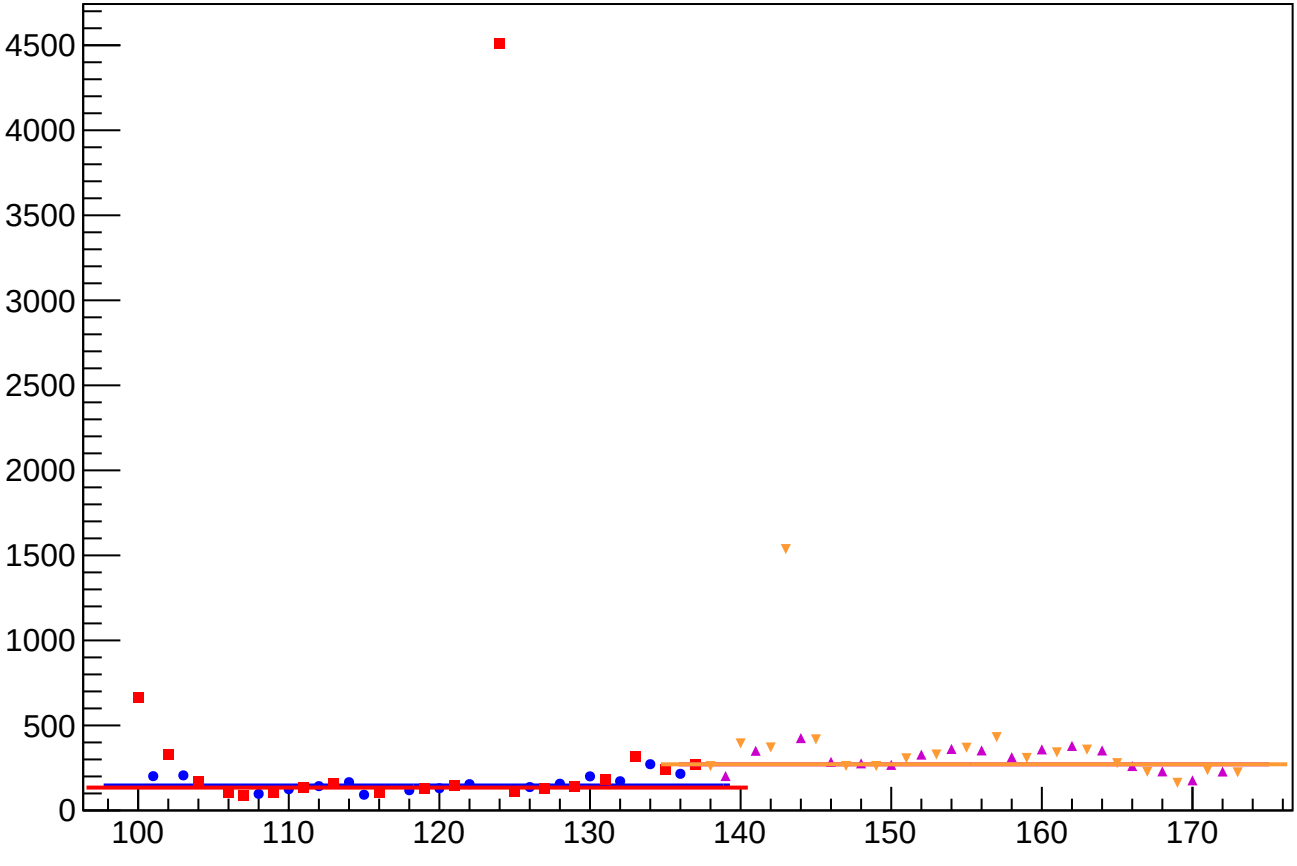
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.046+/-0.046 χ^2/NDF:32.3/32

Out: -0.020+/-0.044 χ^2/NDF:44.6/37

All: 0.012+/-0.032 χ^2/NDF: 77.9/70

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: 271.419+/-0.053 χ^2/NDF:3010380.1/18

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 271.262+/-0.053 χ^2/NDF:1627326.4/16

Left: 271.341+/-0.038 χ^2/NDF: 4637710.8/35

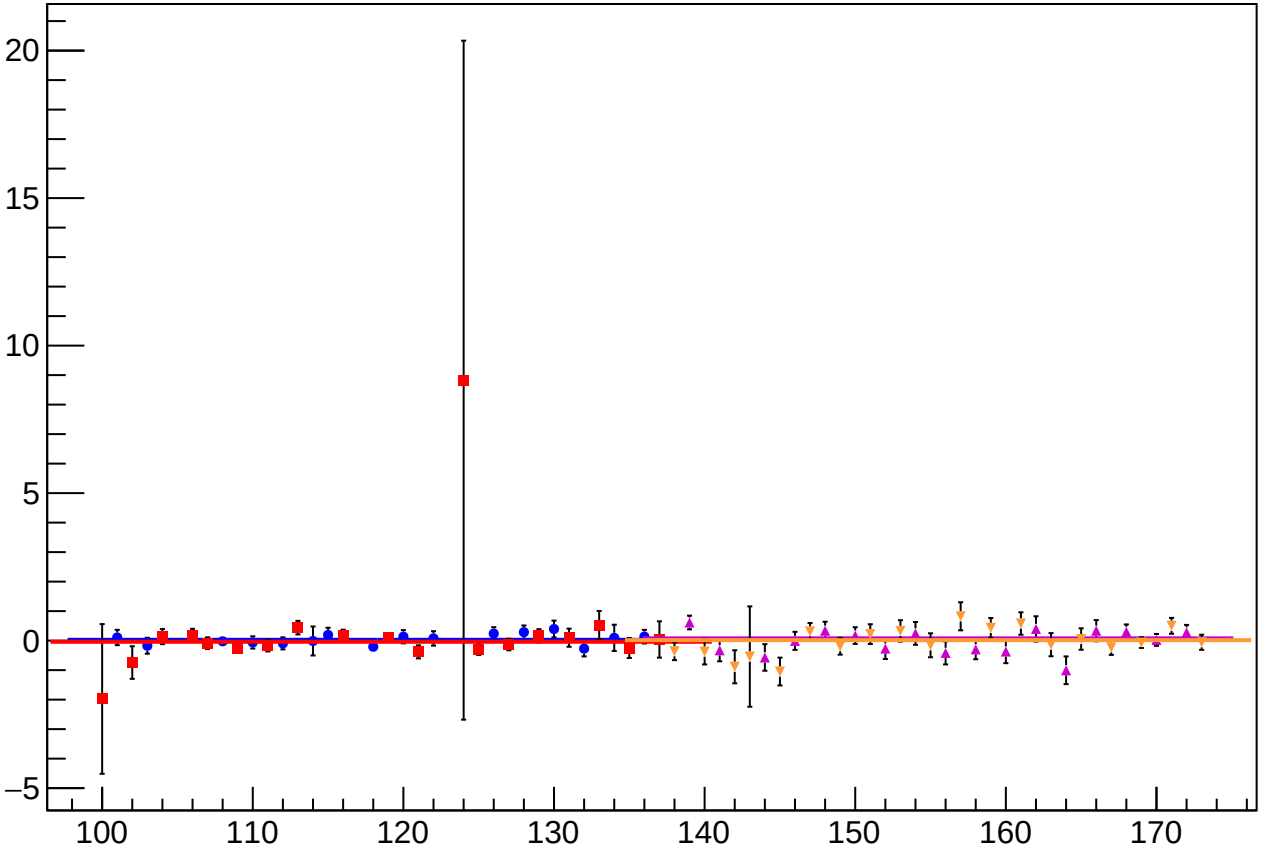
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 192.656+/-0.032 χ^2/NDF:6051336.4/32

Out: 182.517+/-0.031 χ^2/NDF:8998044.4/37

All: 187.393+/-0.022 χ^2/NDF: 15100126.6/70

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: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.077+/-0.076 χ^2/NDF:22.6/16

Left: 0.046+/-0.053 χ^2/NDF: 47.1/35

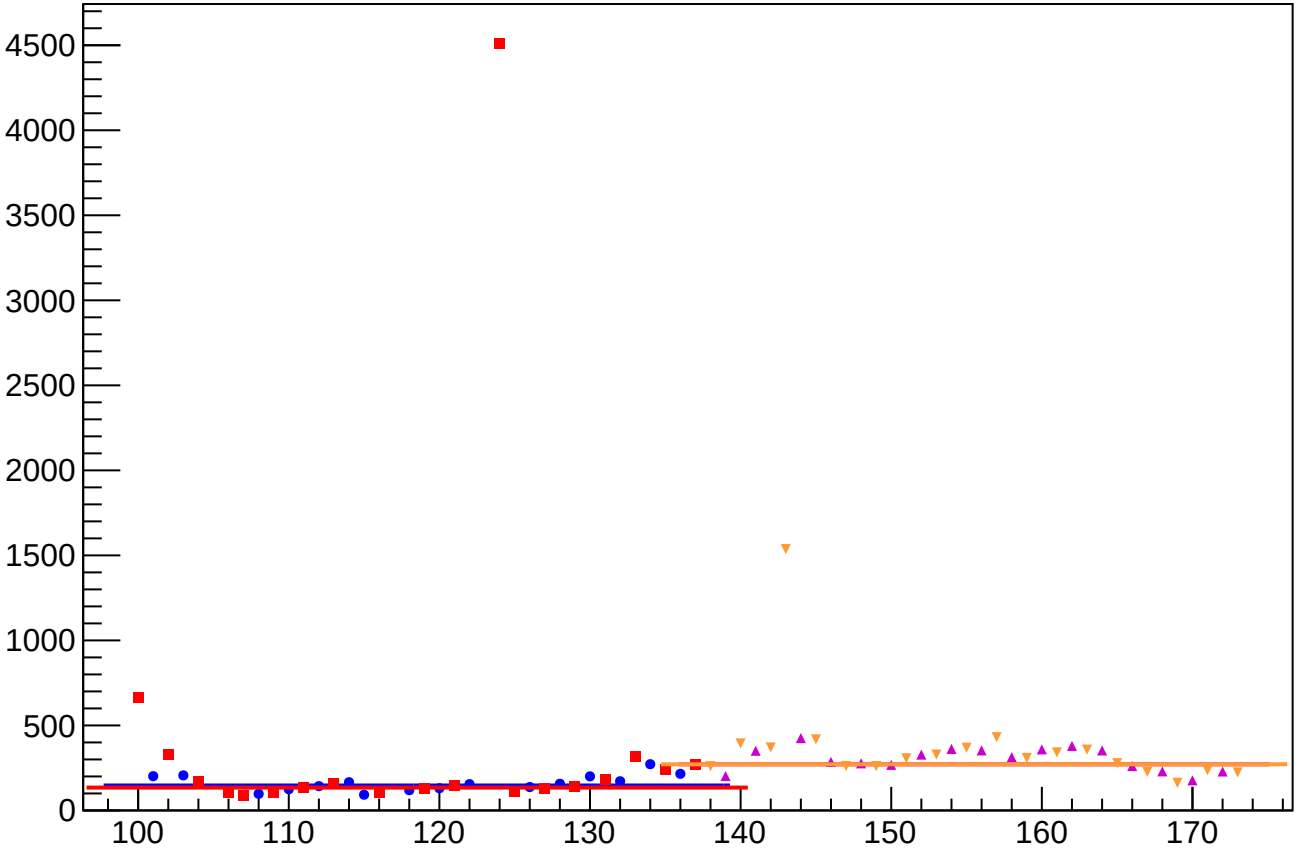
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.046+/-0.046 χ^2/NDF:32.3/32

Out: -0.020+/-0.044 χ^2/NDF:44.6/37

All: 0.012+/-0.032 χ^2/NDF: 77.9/70

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: 271.419+/-0.053 χ^2/NDF:3010380.1/18

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 271.262+/-0.053 χ^2/NDF:1627326.4/16

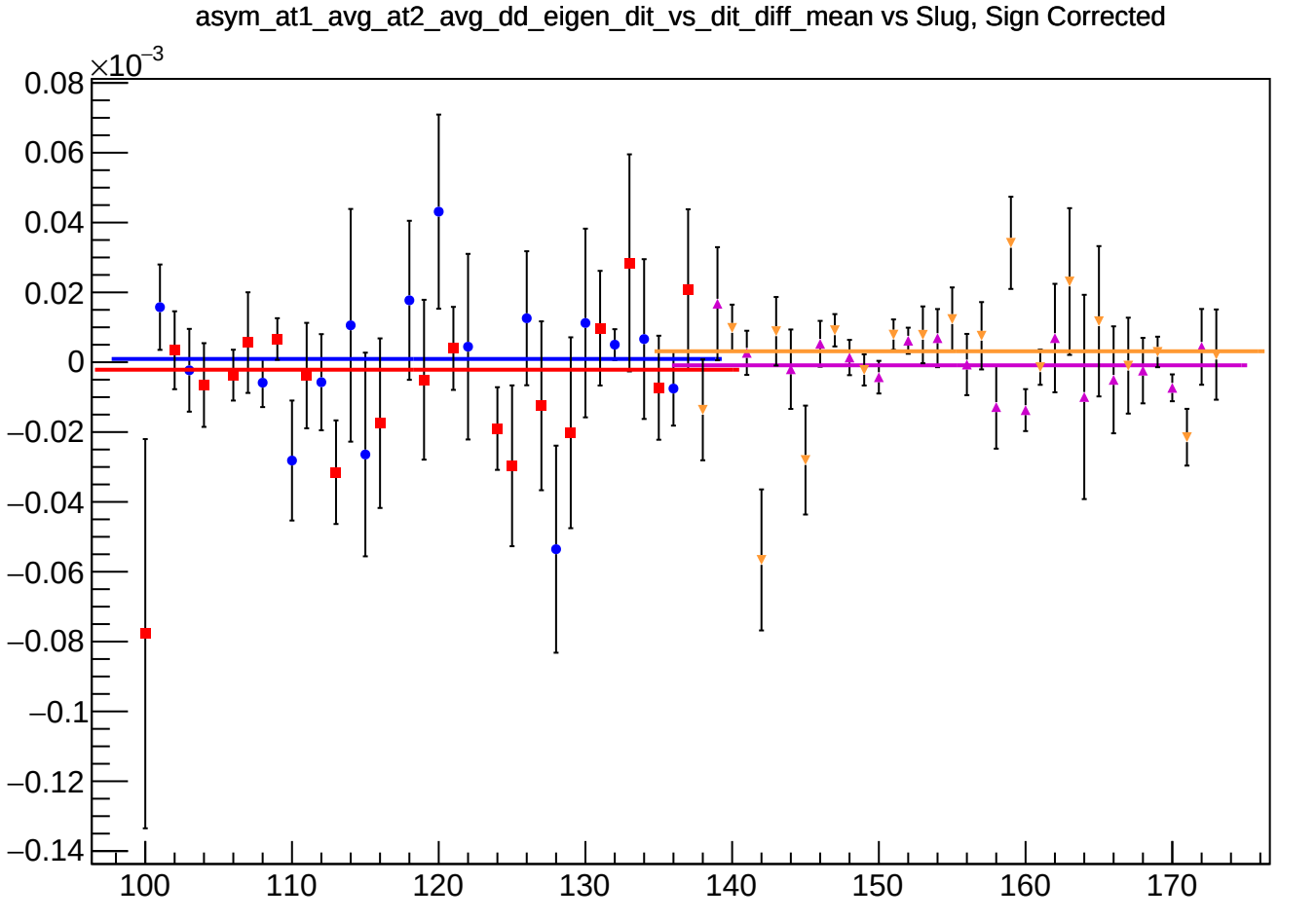
Left: 271.341+/-0.038 χ^2/NDF: 4637710.8/35

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 192.656+/-0.032 χ^2/NDF:6051336.4/32

Out: 182.517+/-0.031 χ^2/NDF:8998044.4/37

All: 187.393+/-0.022 χ^2/NDF: 15100126.6/70



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:38.0/18

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:16.6/16

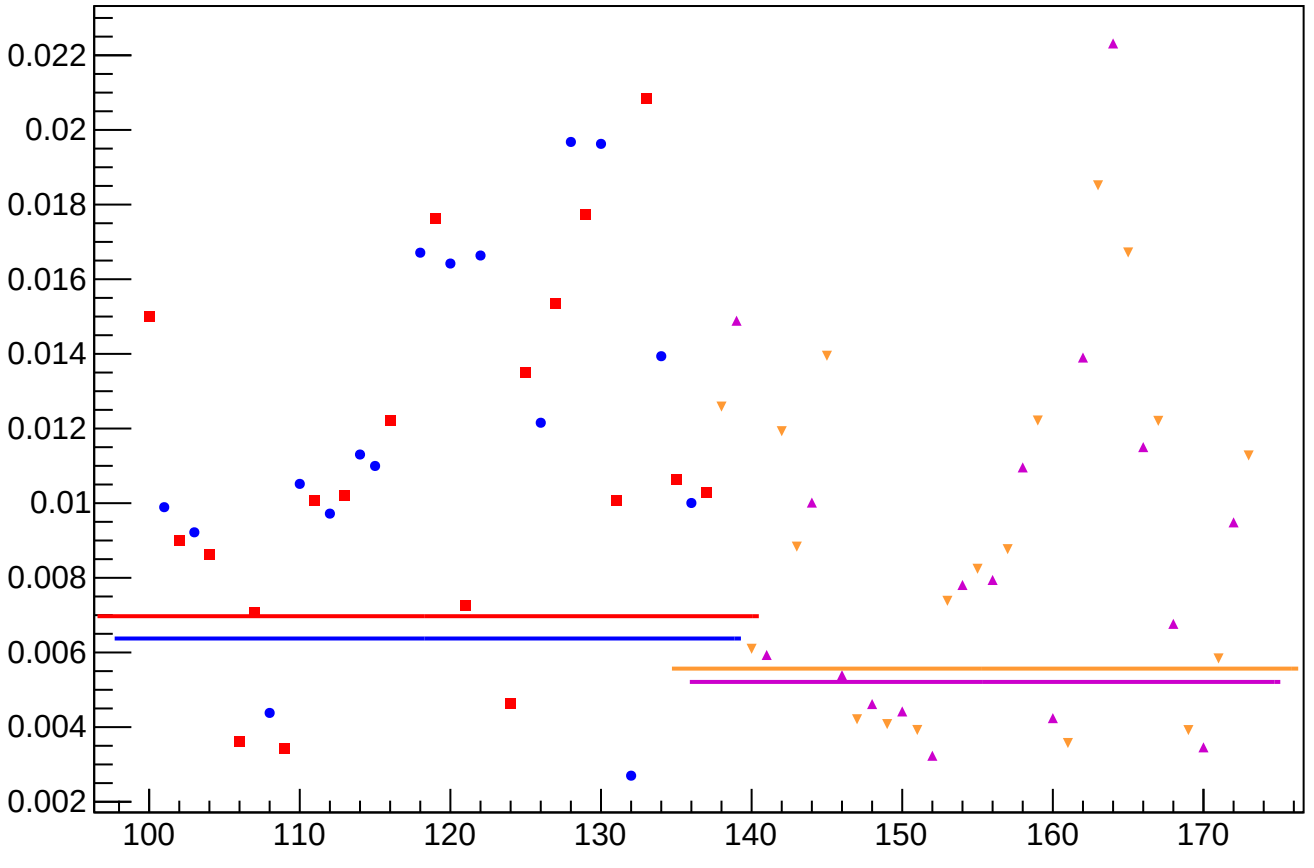
Left: 0.000+/-0.000 χ^2/NDF: 57.6/35

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: -0.000+/-0.000 χ^2/NDF:31.8/32

Out: 0.000+/-0.000 χ^2/NDF:56.4/37

All: 0.000+/-0.000 χ^2/NDF: 89.5/70



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:5913832.2/18

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:5078304.7/16

Left: 0.005+/-0.000 χ^2/NDF: 11038886.4/35

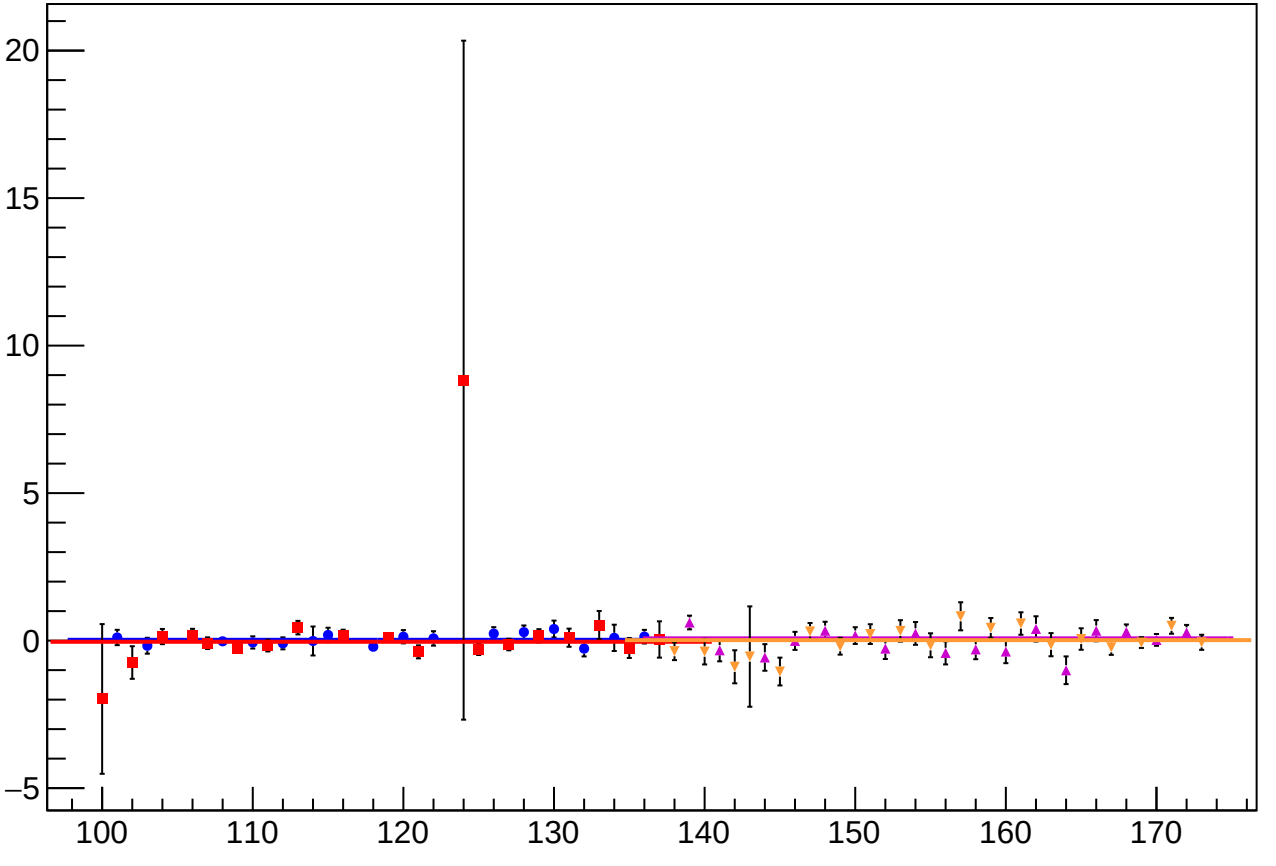
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.005+/-0.000 χ^2/NDF:9959101.2/32

Out: 0.006+/-0.000 χ^2/NDF:9656185.3/37

All: 0.006+/-0.000 χ^2/NDF: 19696051.4/70

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: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.077+/-0.076 χ^2/NDF:22.6/16

Left: 0.046+/-0.053 χ^2/NDF: 47.1/35

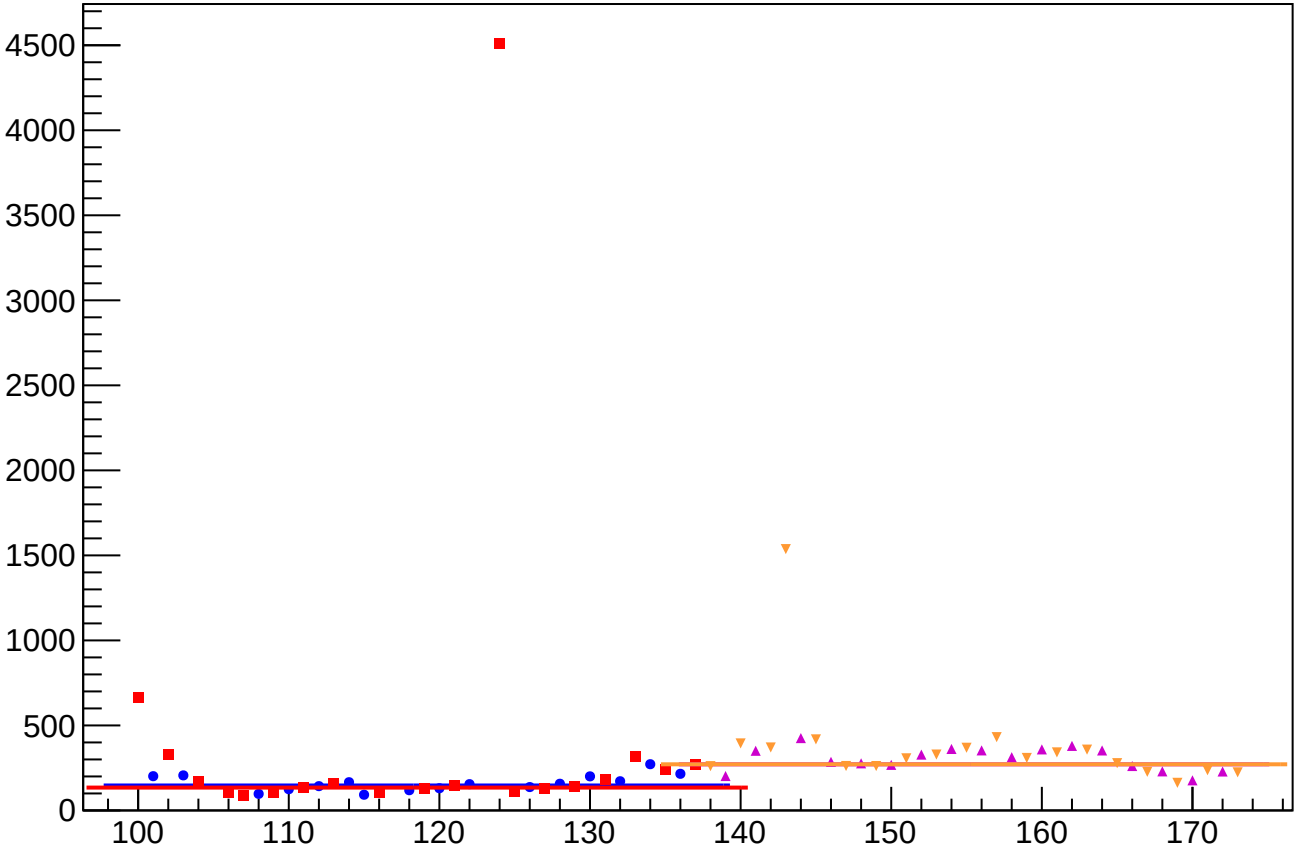
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.046+/-0.046 χ^2/NDF:32.3/32

Out: -0.020+/-0.044 χ^2/NDF:44.6/37

All: 0.012+/-0.032 χ^2/NDF: 77.9/70

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: 271.419+/-0.053 χ^2/NDF:3010520.3/18

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 271.264+/-0.053 χ^2/NDF:1627379.4/16

Left: 271.342+/-0.038 χ^2/NDF: 4637903.9/35

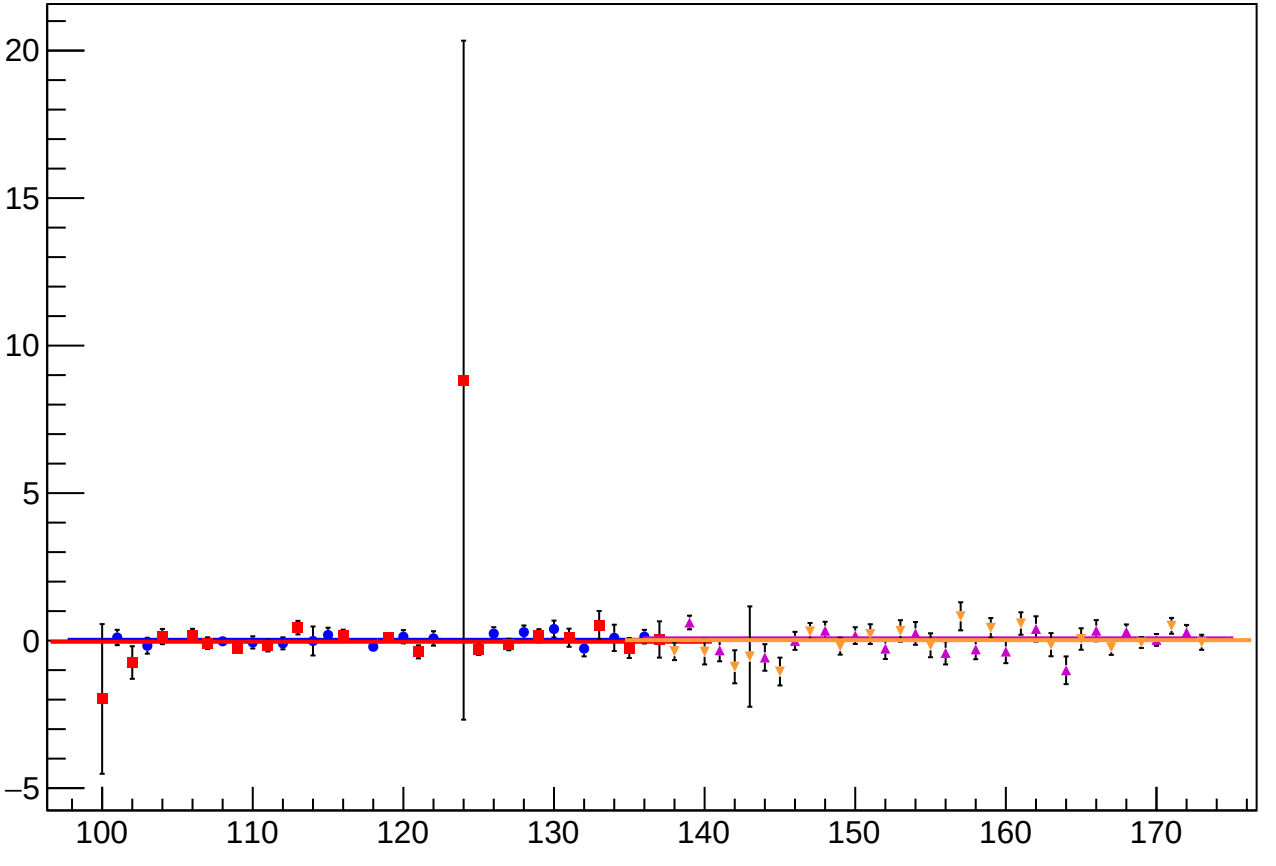
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 192.656+/-0.032 χ^2/NDF:6051420.2/32

Out: 182.518+/-0.031 χ^2/NDF:8997999.8/37

All: 187.393+/-0.022 χ^2/NDF: 15100155.6/70

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: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.077+/-0.076 χ^2/NDF:22.6/16

Left: 0.046+/-0.053 χ^2/NDF: 47.1/35

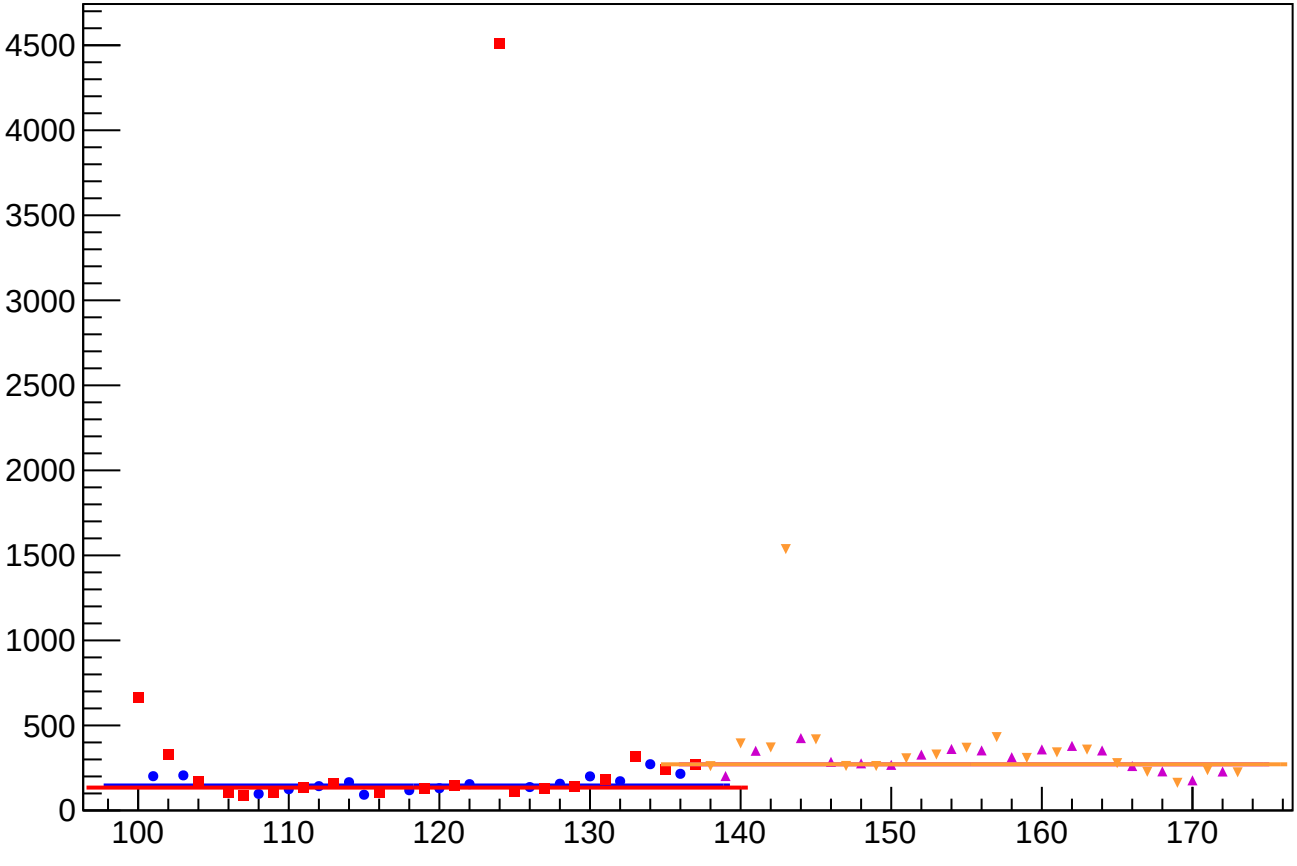
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.046+/-0.046 χ^2/NDF:32.3/32

Out: -0.020+/-0.044 χ^2/NDF:44.6/37

All: 0.012+/-0.032 χ^2/NDF: 77.9/70

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: 271.419+/-0.053 χ^2/NDF:3010520.3/18

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 271.264+/-0.053 χ^2/NDF:1627379.4/16

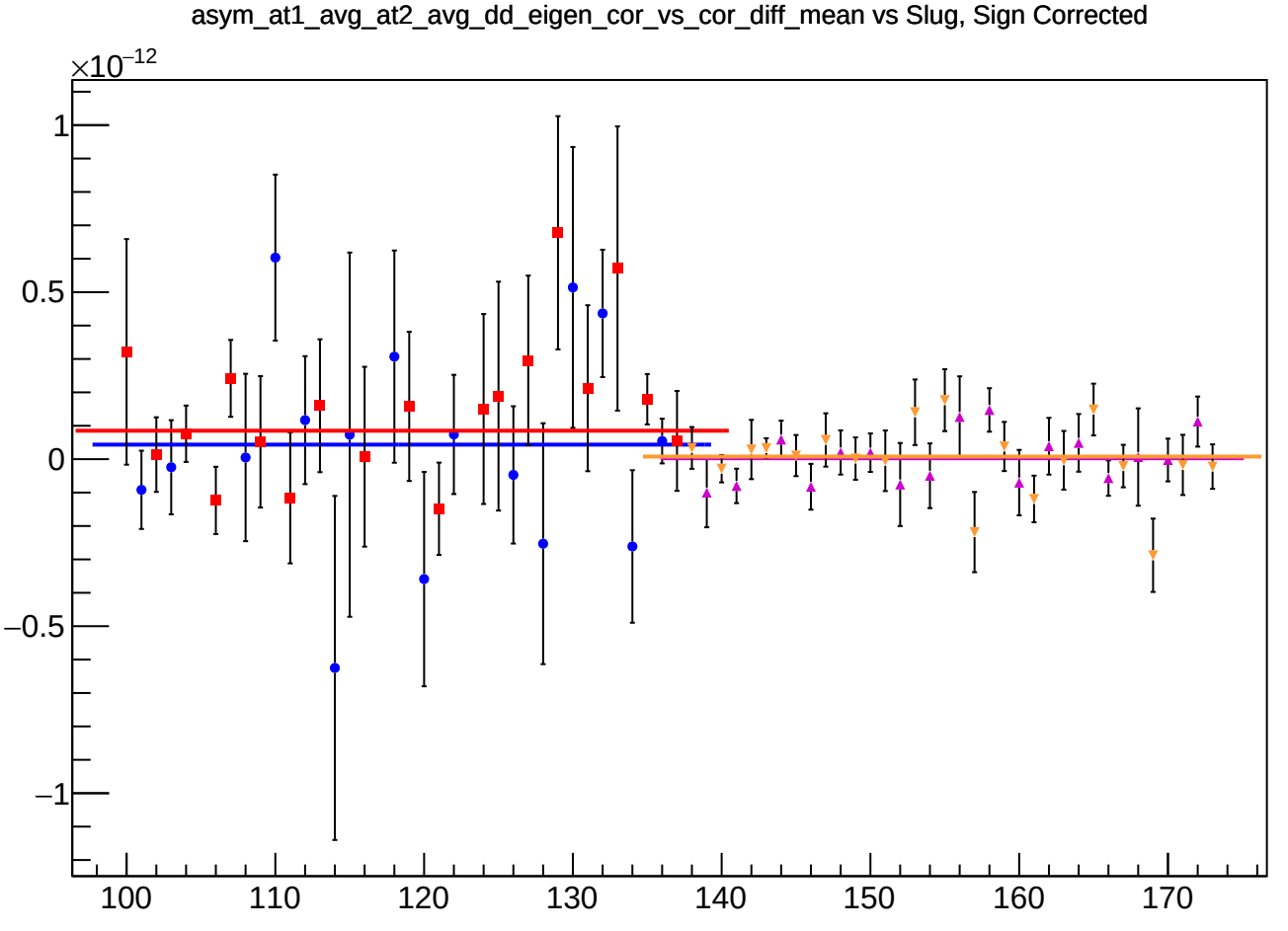
Left: 271.342+/-0.038 χ^2/NDF: 4637903.9/35

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 192.656+/-0.032 χ^2/NDF:6051420.2/32

Out: 182.518+/-0.031 χ^2/NDF:8997999.8/37

All: 187.393+/-0.022 χ^2/NDF: 15100155.6/70



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:17.3/16

Left: 0.000+/-0.000 χ^2/NDF: 42.7/35

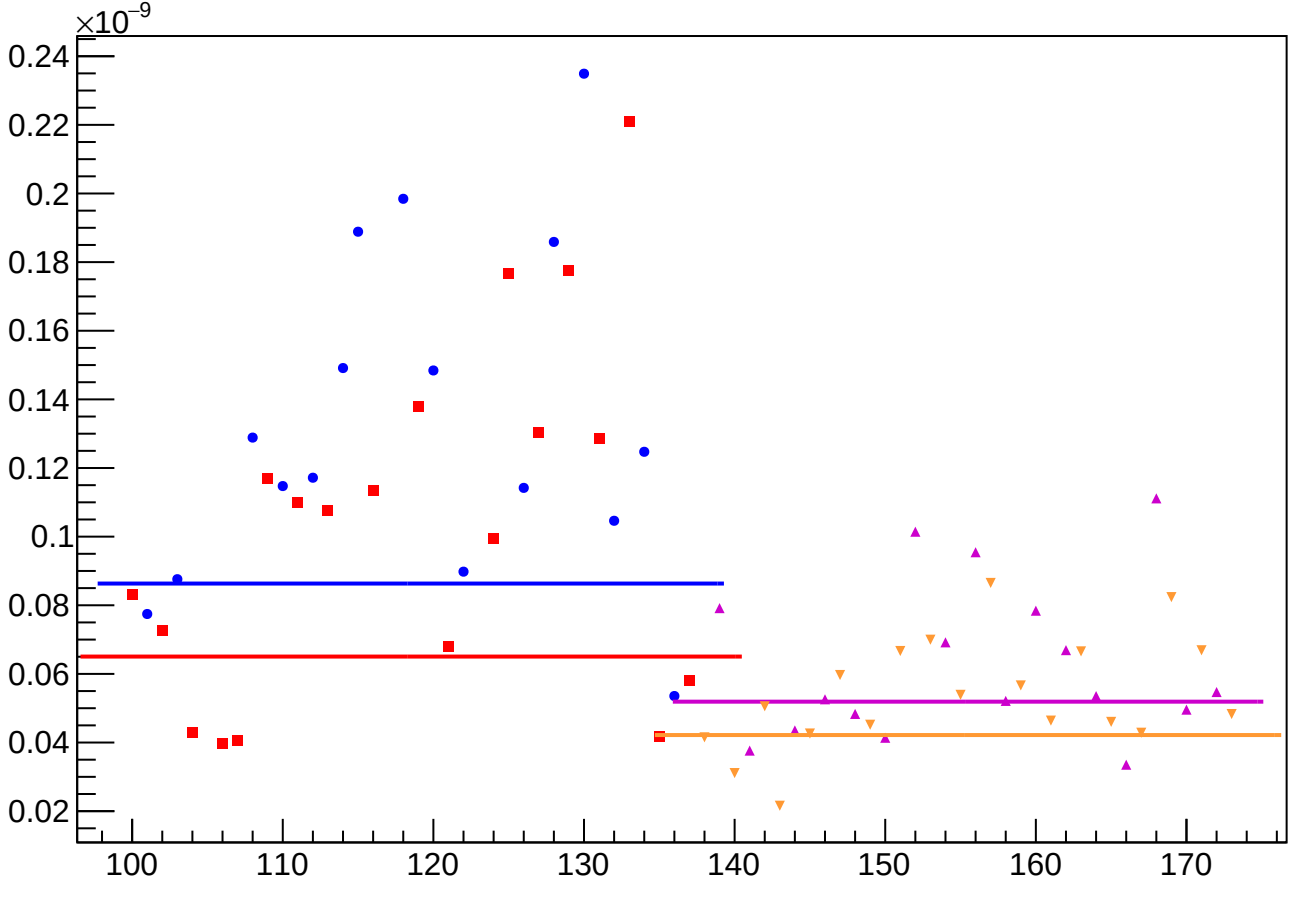
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:37.1/32

Out: 0.000+/-0.000 χ^2/NDF:47.9/37

All: 0.000+/-0.000 χ^2/NDF: 85.2/70

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:2520796.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1832464.0/16

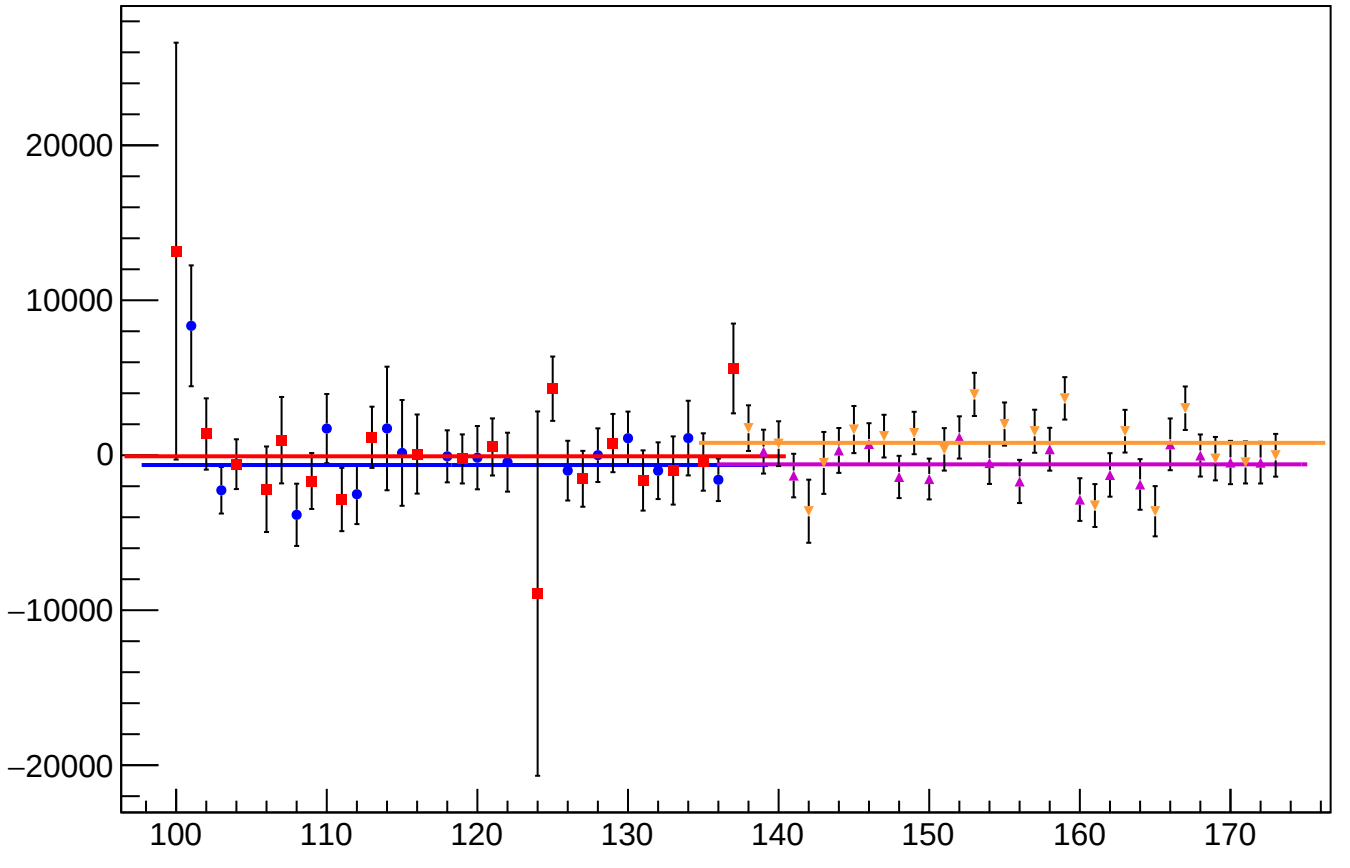
Left: 0.000+/-0.000 χ^2/NDF: 4709279.3/35

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4506051.7/32

Out: 0.000+/-0.000 χ^2/NDF:5431767.0/37

All: 0.000+/-0.000 χ^2/NDF: 10488677.4/70



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 800.105+/-332.268 χ^2/NDF:37.3/18

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -587.016+/-339.943 χ^2/NDF:10.0/16

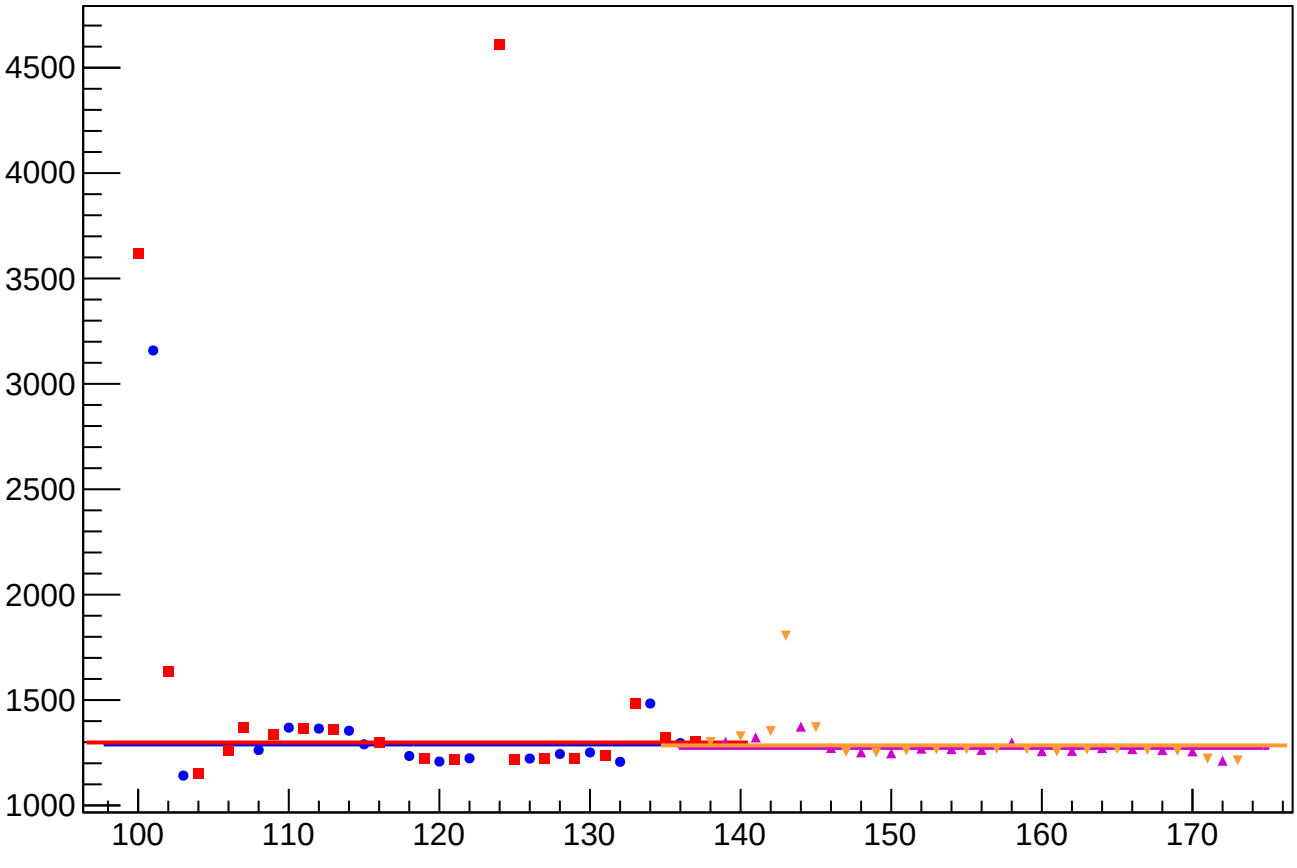
Left: 122.381+/-237.616 χ^2/NDF: 55.7/35

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -601.373+/-279.060 χ^2/NDF:23.9/32

Out: 525.062+/-274.606 χ^2/NDF:55.3/37

All: -29.095+/-195.732 χ^2/NDF: 87.5/70



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1284.835+/-0.235 χ^2/NDF:162767.3/18

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1273.082+/-0.240 χ^2/NDF:20041.8/16

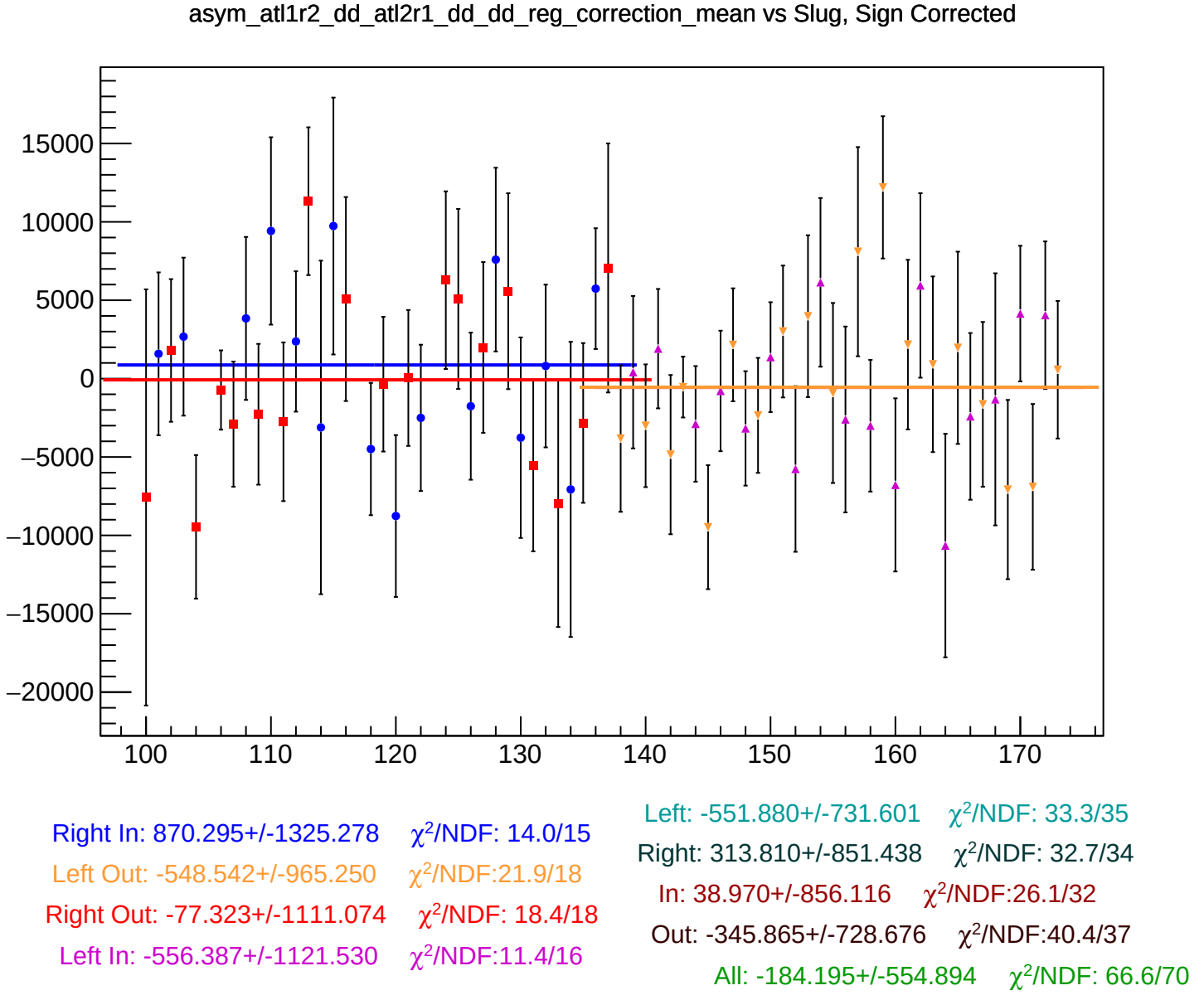
Left: 1279.093+/-0.168 χ^2/NDF: 184031.6/35

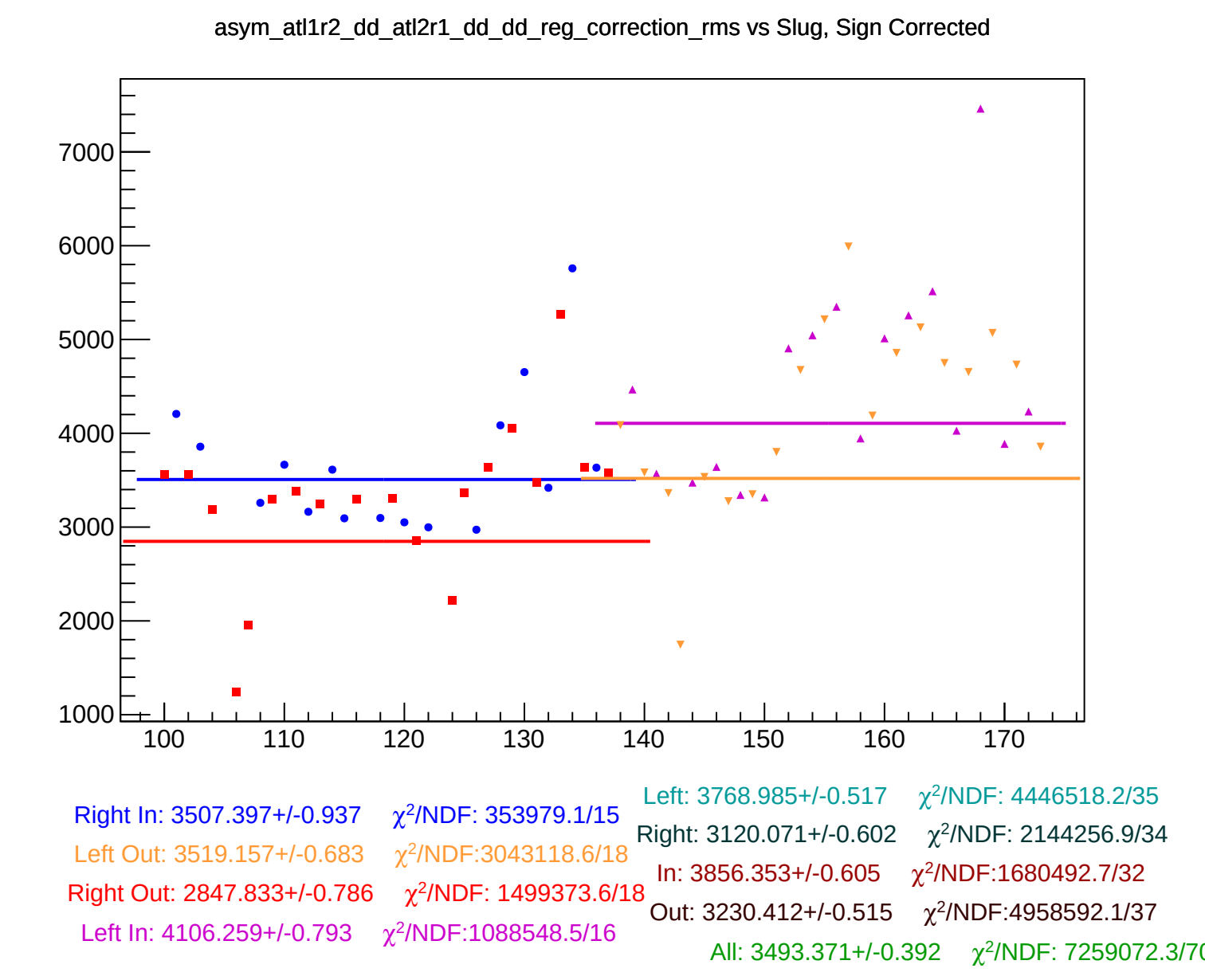
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1278.425+/-0.197 χ^2/NDF:536231.9/32

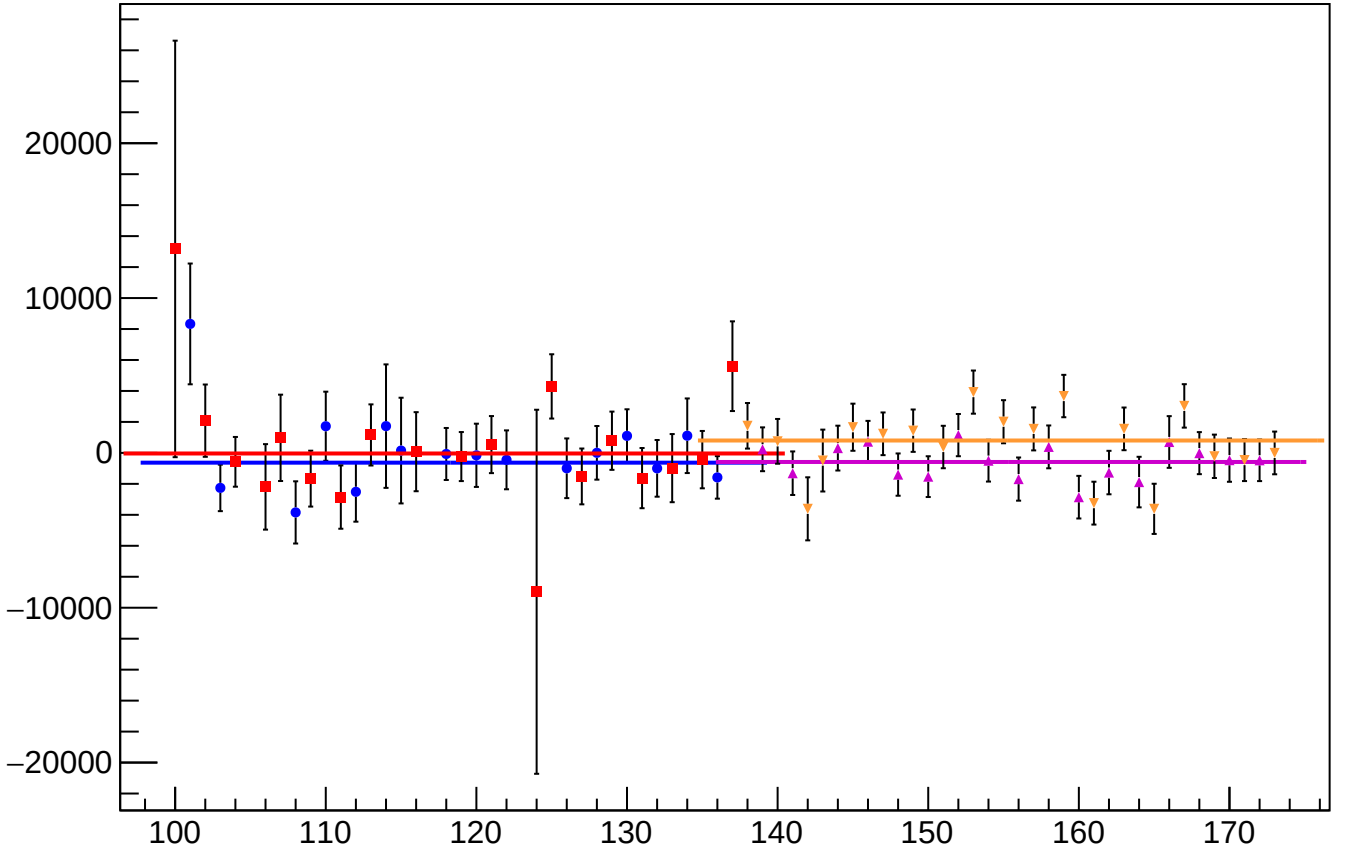
Out: 1289.231+/-0.194 χ^2/NDF:483242.9/37

All: 1283.920+/-0.138 χ^2/NDF: 1020999.6/70


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -548.542+/-965.250 χ²/NDF:21.9/18
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -556.387+/-1121.530 χ²/NDF:11.4/16
Left: -551.880+/-731.601 χ²/NDF: 33.3/35
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 38.970+/-856.116 χ²/NDF:26.1/32
Out: -345.865+/-728.676 χ²/NDF:40.4/37
All: -184.195+/-554.894 χ²/NDF: 66.6/70


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 3507.397+/-0.937 χ²/NDF: 353979.1/15
Left Out: 3519.157+/-0.683 χ²/NDF:3043118.6/18
Right Out: 2847.833+/-0.786 χ²/NDF: 1499373.6/18
Left In: 4106.259+/-0.793 χ²/NDF:1088548.5/16
Left: 3768.985+/-0.517 χ²/NDF: 4446518.2/35
Right: 3120.071+/-0.602 χ²/NDF: 2144256.9/34
In: 3856.353+/-0.605 χ²/NDF:1680492.7/32
Out: 3230.412+/-0.515 χ²/NDF:4958592.1/37
All: 3493.371+/-0.392 χ²/NDF: 7259072.3/70

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 800.137+/-332.268 χ^2/NDF:37.3/18

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -586.987+/-339.943 χ^2/NDF:10.0/16

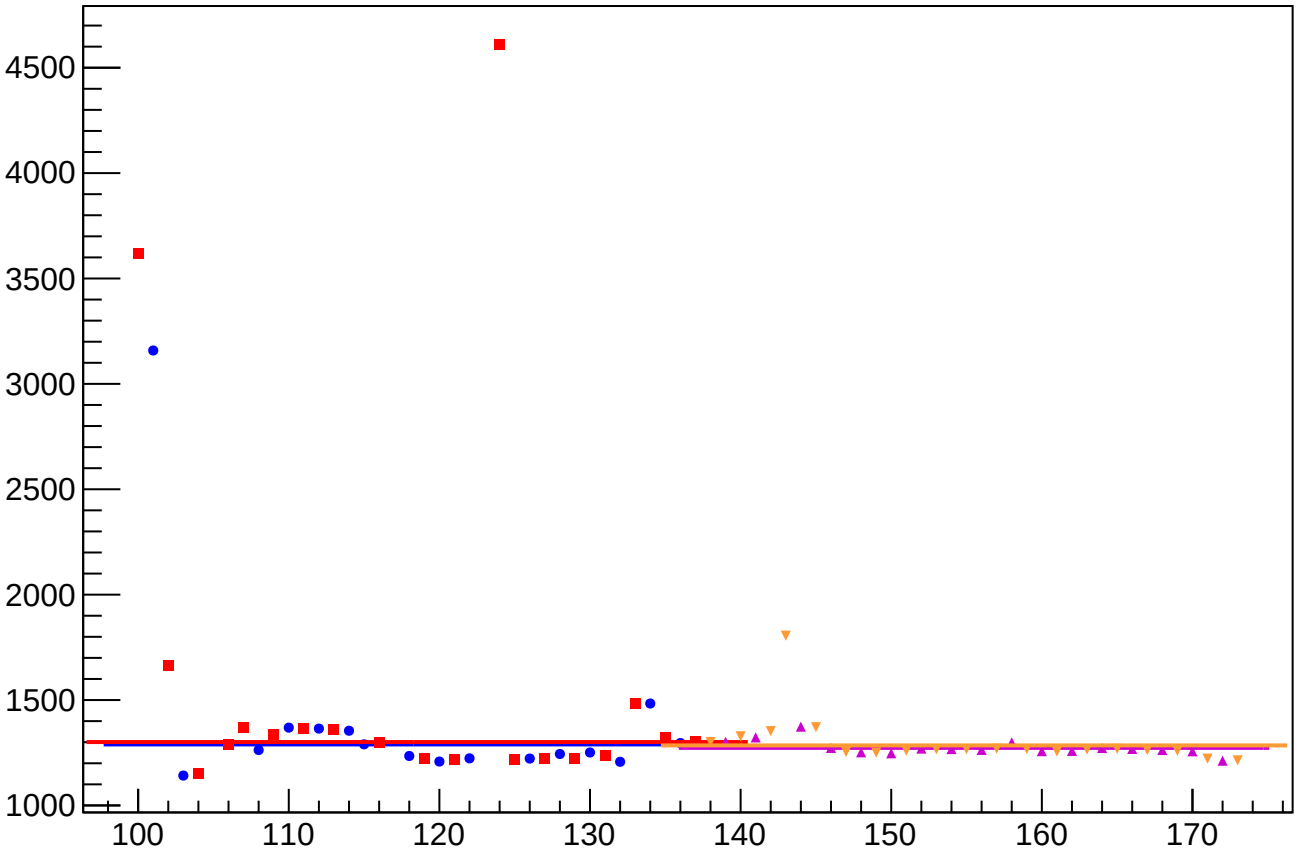
Left: 122.412+/-237.616 χ^2/NDF: 55.7/35

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -601.479+/-279.060 χ^2/NDF:23.8/32

Out: 534.522+/-274.664 χ^2/NDF:55.6/37

All: -24.460+/-195.753 χ^2/NDF: 87.9/70



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1284.835+/-0.235 χ^2/NDF:162767.3/18

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1273.082+/-0.240 χ^2/NDF:20041.8/16

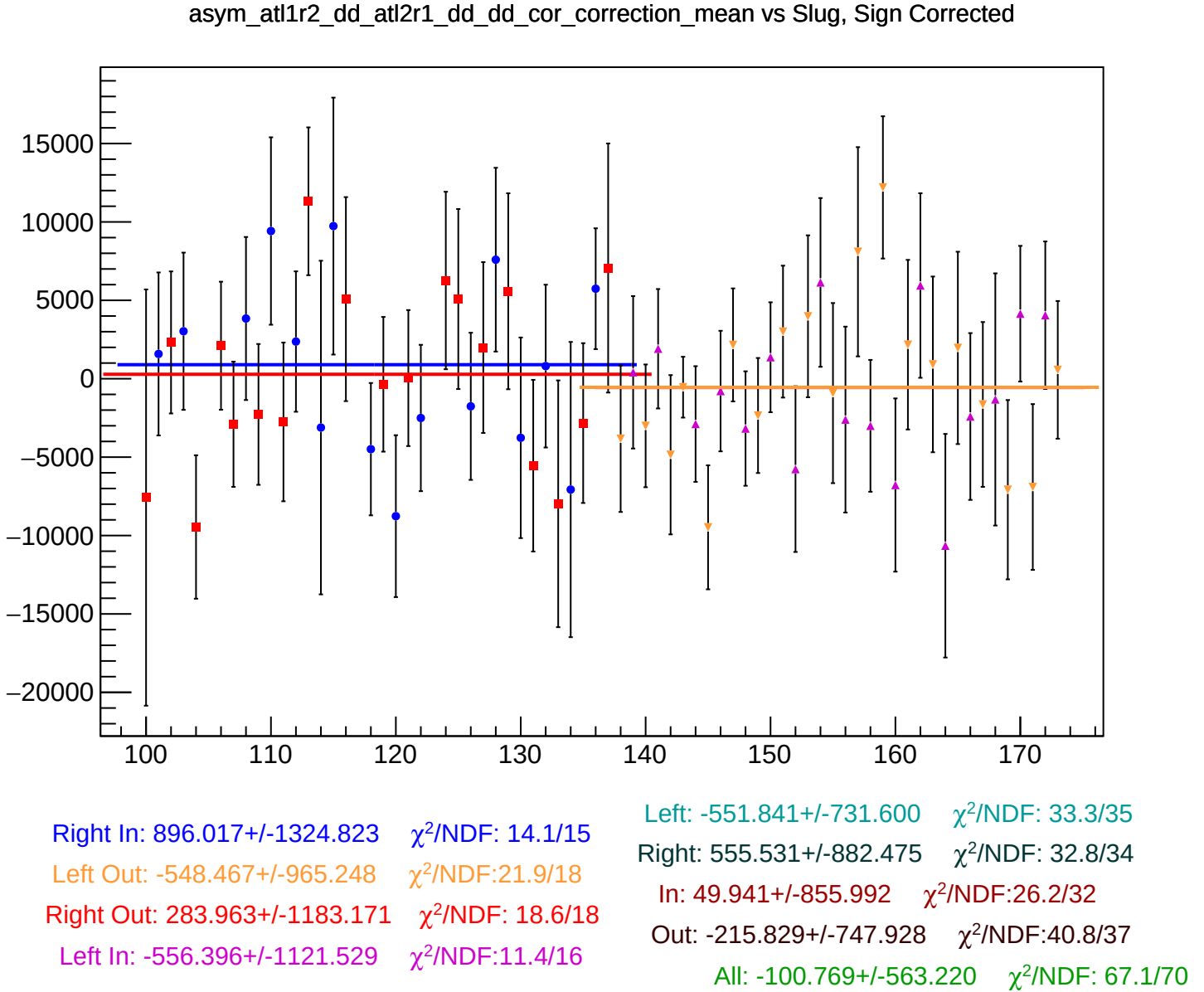
Left: 1279.093+/-0.168 χ^2/NDF: 184031.6/35

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

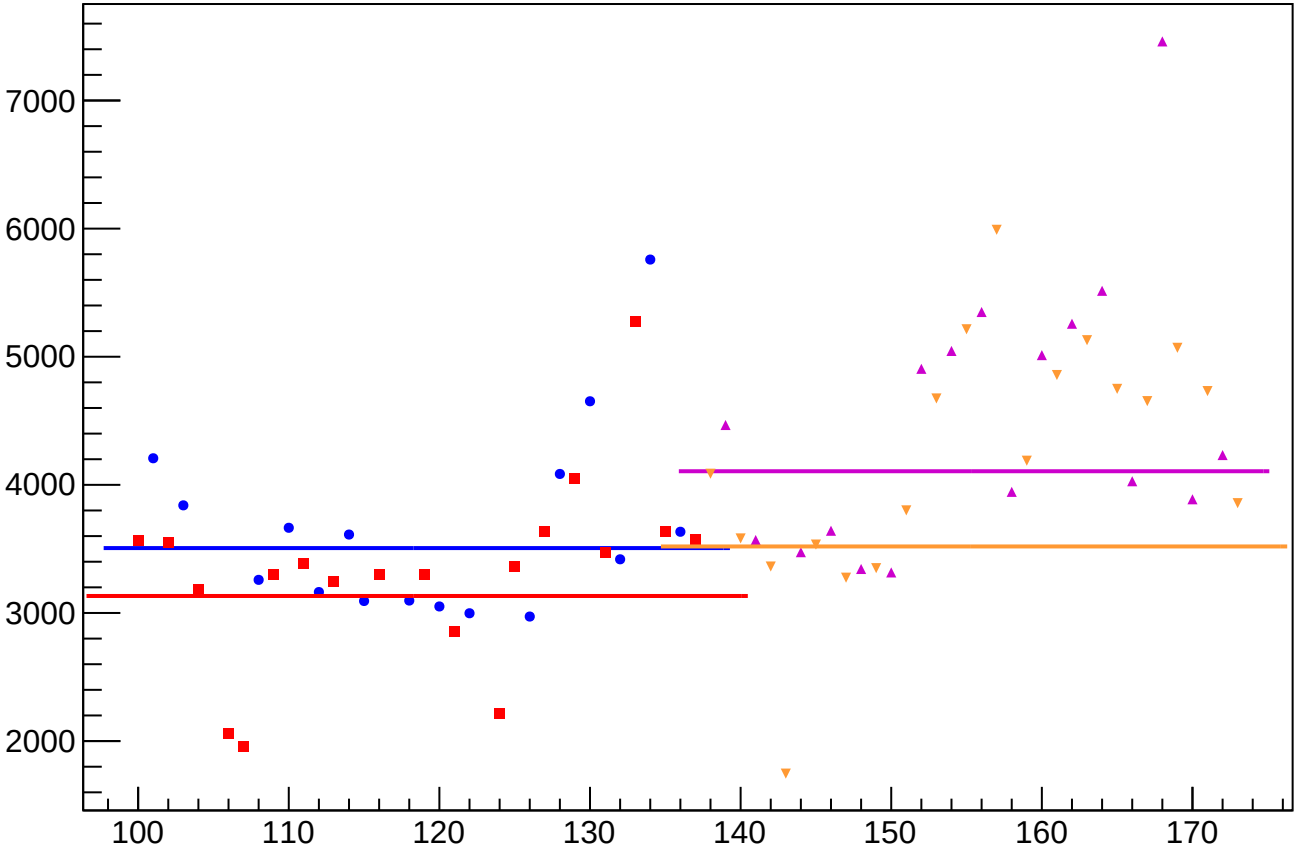
In: 1278.425+/-0.197 χ^2/NDF:536233.3/32

Out: 1289.867+/-0.194 χ^2/NDF:490119.6/37

All: 1284.240+/-0.138 χ^2/NDF: 1028061.6/70


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -548.467+/-965.248 χ²/NDF:21.9/18
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -556.396+/-1121.529 χ²/NDF:11.4/16
Left: -551.841+/-731.600 χ²/NDF: 33.3/35
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 49.941+/-855.992 χ²/NDF:26.2/32
Out: -215.829+/-747.928 χ²/NDF:40.8/37
All: -100.769+/-563.220 χ²/NDF: 67.1/70

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: 3519.148+/-0.683 χ^2/NDF:3043150.2/18

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4106.254+/-0.793 χ^2/NDF:1088550.0/16

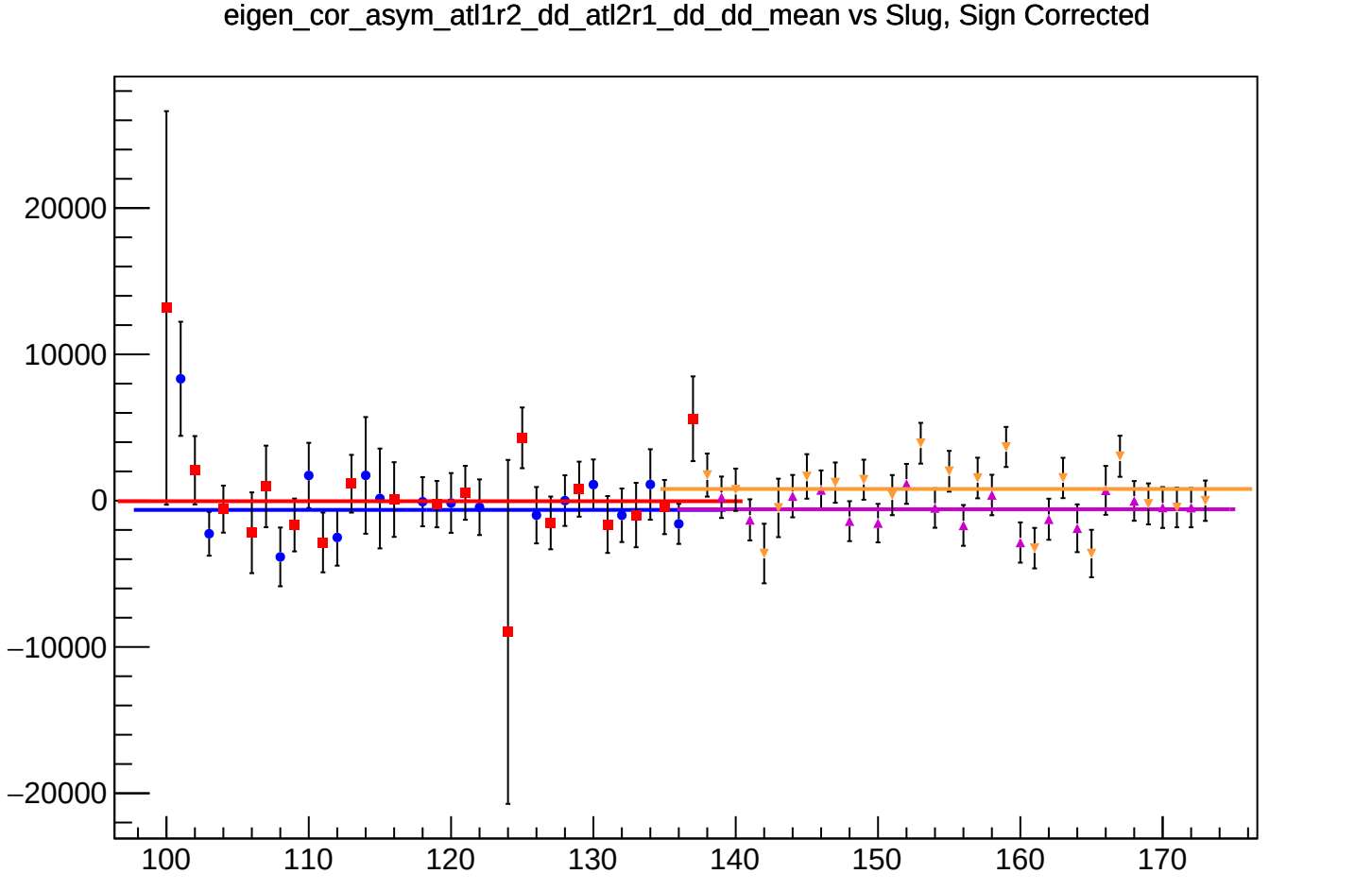
Left: 3768.978+/-0.517 χ^2/NDF: 4446556.2/35

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3855.869+/-0.605 χ^2/NDF:1680570.6/32

Out: 3364.679+/-0.529 χ^2/NDF:3820939.5/37

All: 3577.329+/-0.398 χ^2/NDF: 5874955.3/70



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 800.137+/-332.268 χ^2/NDF:37.3/18

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -586.987+/-339.943 χ^2/NDF:10.0/16

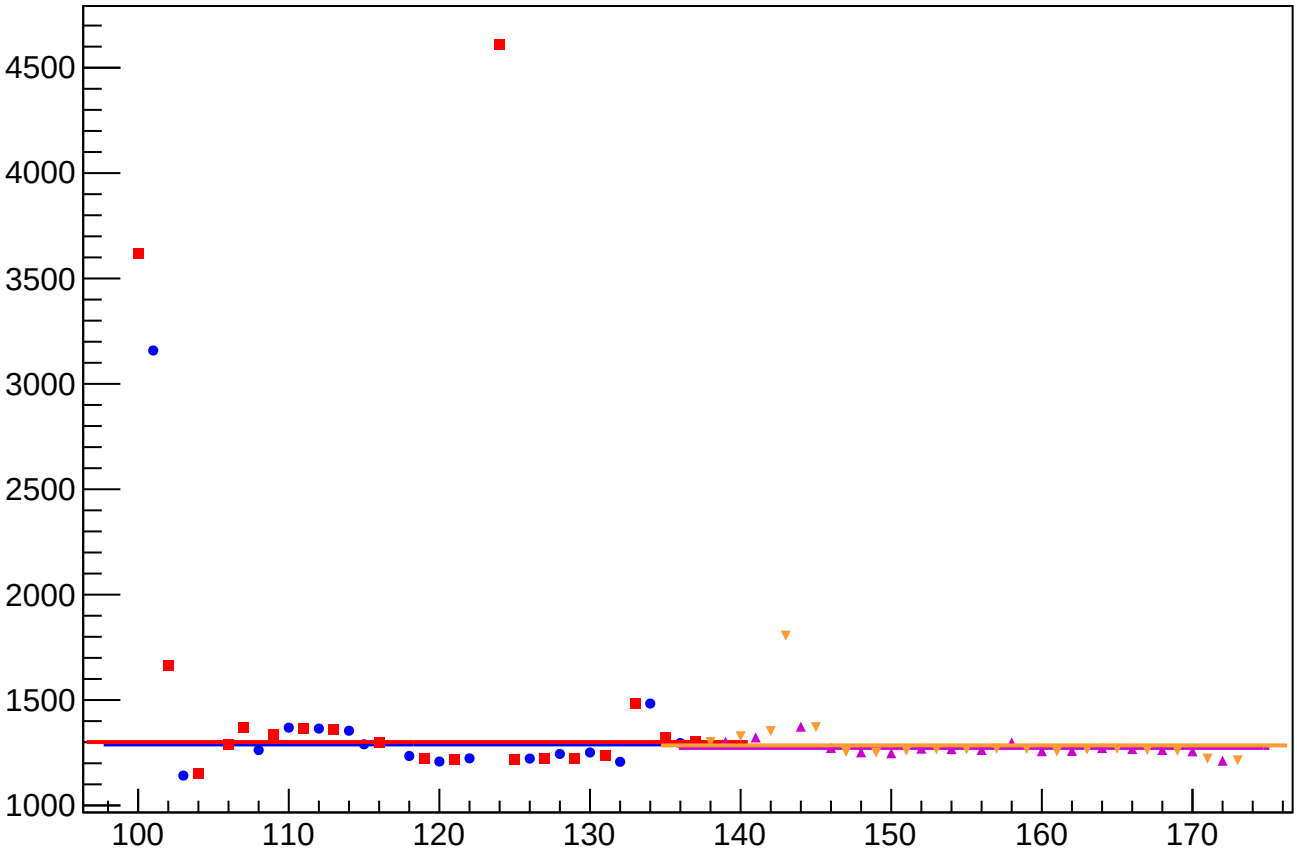
Left: 122.412+/-237.616 χ^2/NDF: 55.7/35

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -601.479+/-279.060 χ^2/NDF:23.8/32

Out: 534.522+/-274.664 χ^2/NDF:55.6/37

All: -24.460+/-195.753 χ^2/NDF: 87.9/70



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1284.835+/-0.235 χ^2/NDF:162767.3/18

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1273.082+/-0.240 χ^2/NDF:20041.8/16

Left: 1279.093+/-0.168 χ^2/NDF: 184031.6/35

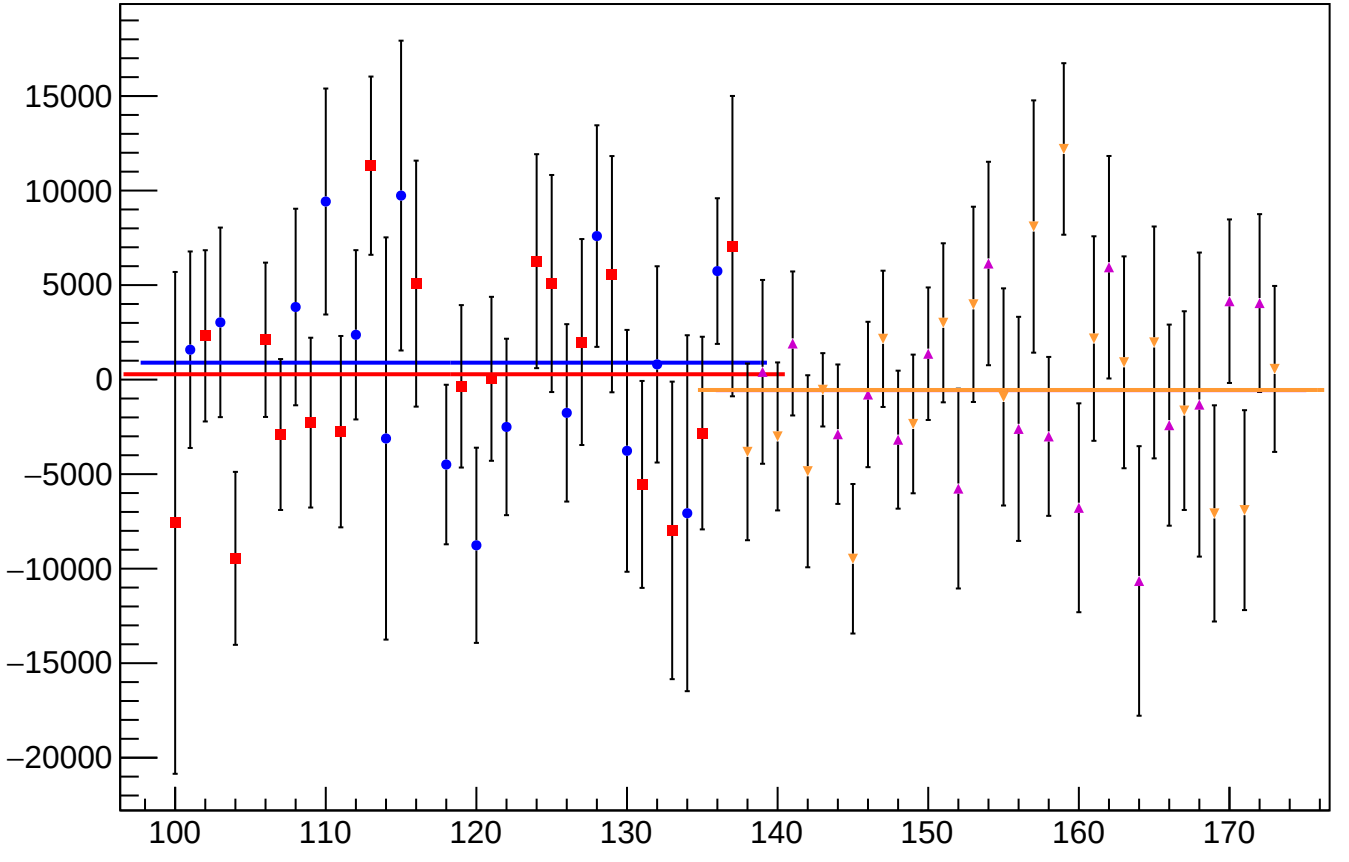
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1278.425+/-0.197 χ^2/NDF:536233.3/32

Out: 1289.867+/-0.194 χ^2/NDF:490119.6/37

All: 1284.240+/-0.138 χ^2/NDF: 1028061.6/70

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -548.467+/-965.248 χ^2/NDF:21.9/18

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -556.396+/-1121.529 χ^2/NDF:11.4/16

Left: -551.841+/-731.600 χ^2/NDF: 33.3/35

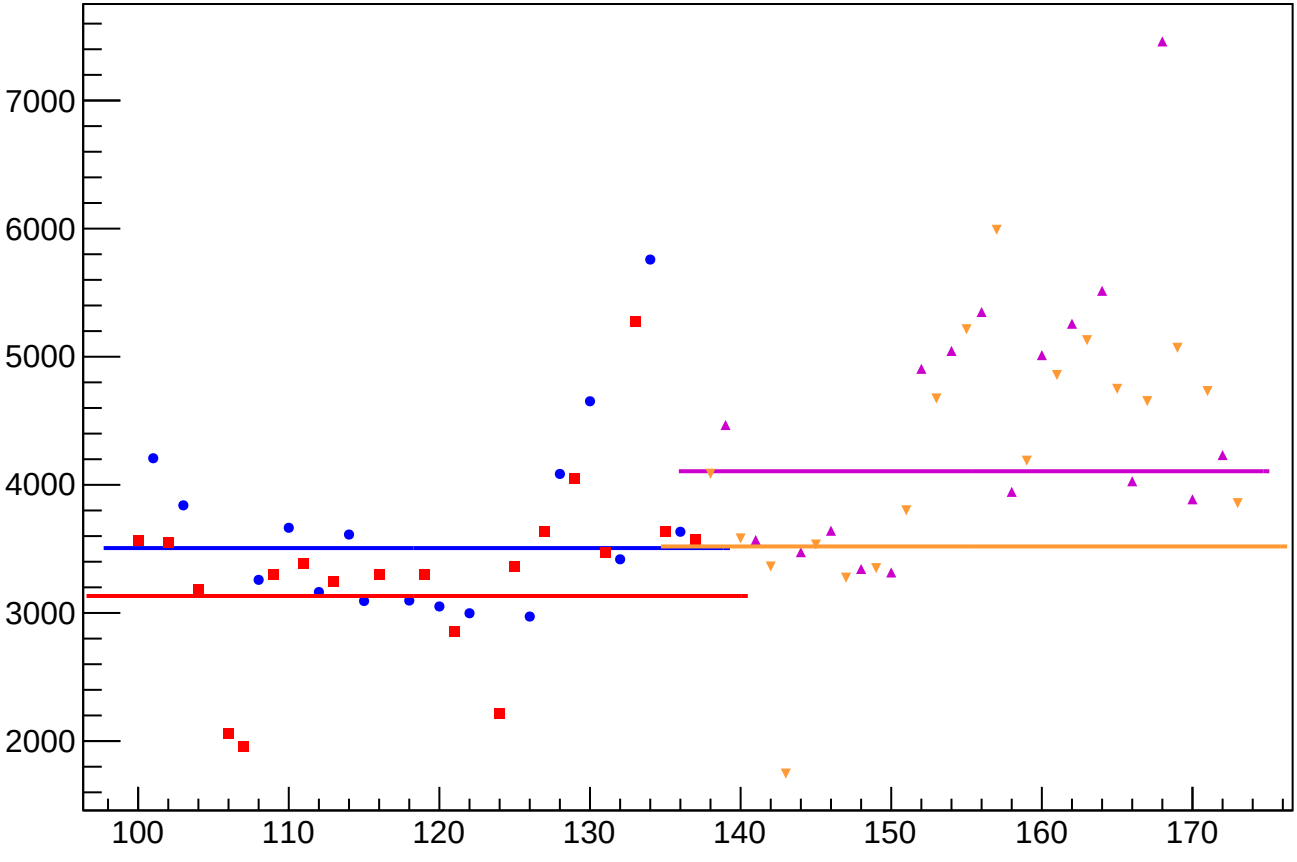
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 49.941+/-855.992 χ^2/NDF:26.2/32

Out: -215.829+/-747.928 χ^2/NDF:40.8/37

All: -100.769+/-563.220 χ^2/NDF: 67.1/70

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: 3519.148+/-0.683 χ^2/NDF:3043150.2/18

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4106.254+/-0.793 χ^2/NDF:1088550.0/16

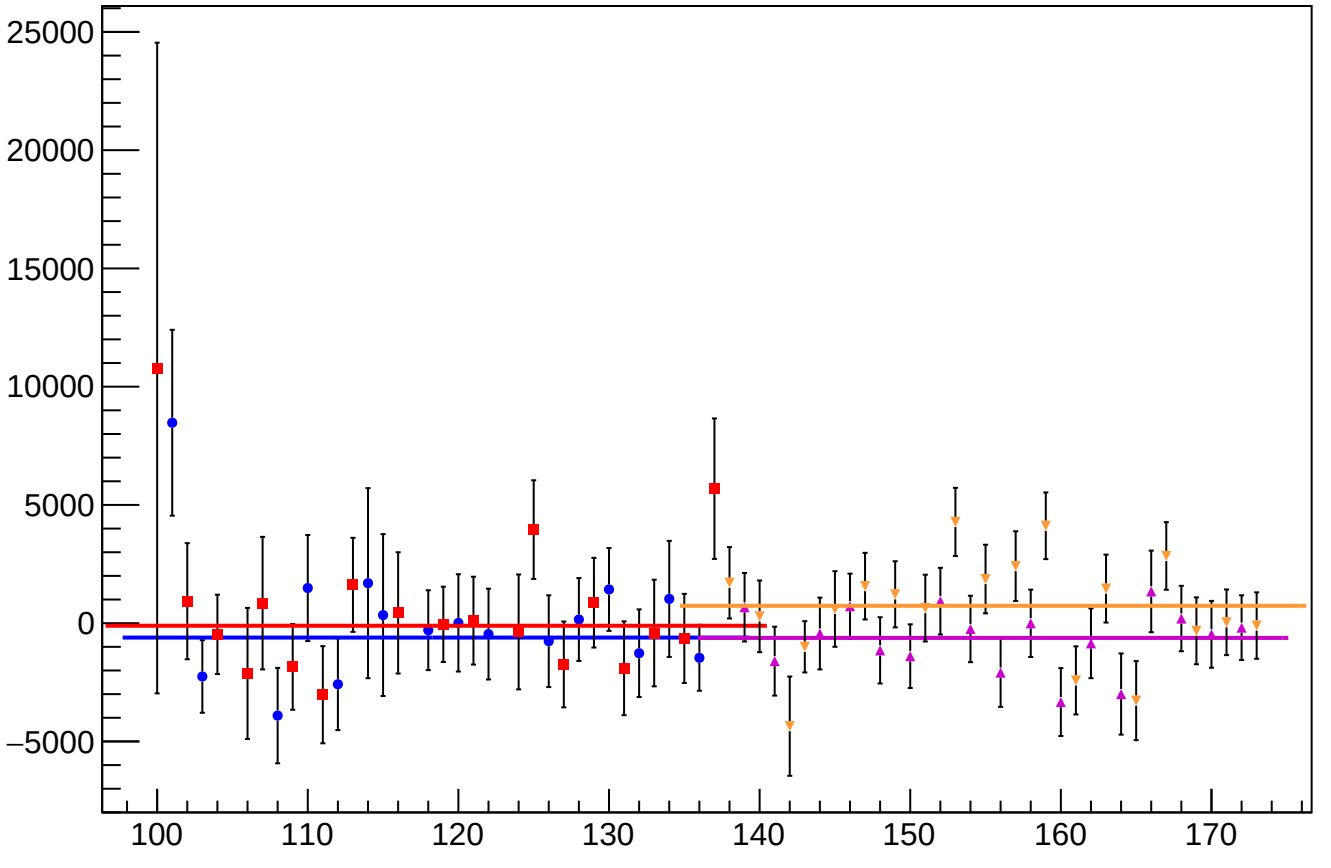
Left: 3768.978+/-0.517 χ^2/NDF: 4446556.2/35

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3855.869+/-0.605 χ^2/NDF:1680570.6/32

Out: 3364.679+/-0.529 χ^2/NDF:3820939.5/37

All: 3577.329+/-0.398 χ^2/NDF: 5874955.3/70



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 735.045+/-331.086 χ^2/NDF:37.3/18

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -623.077+/-350.788 χ^2/NDF:12.5/16

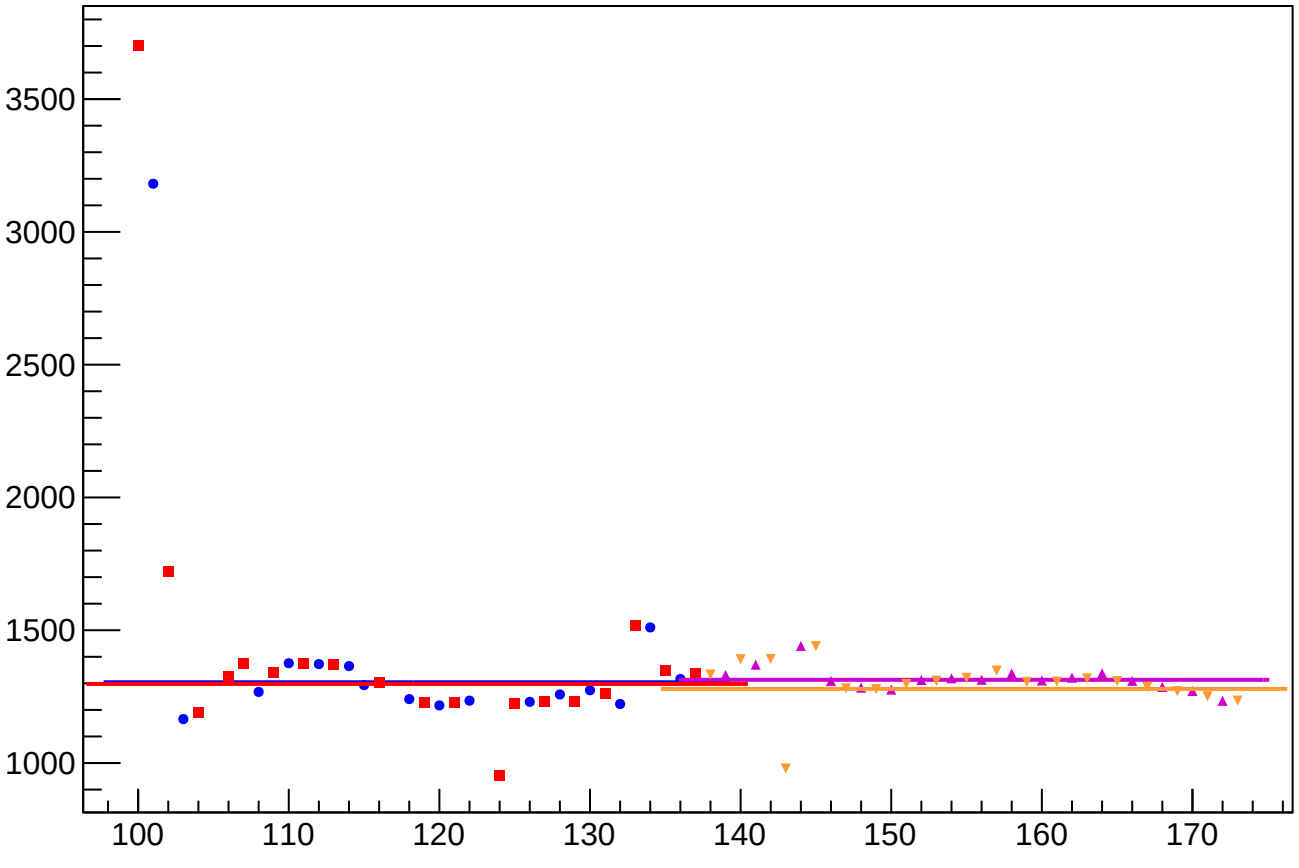
Left: 95.192+/-240.777 χ^2/NDF: 57.7/35

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -617.969+/-286.049 χ^2/NDF:26.6/32

Out: 467.281+/-273.545 χ^2/NDF:54.2/37

All: -51.108+/-197.698 χ^2/NDF: 88.3/70



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1279.191+/-0.234 χ^2/NDF:206354.8/18

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1313.353+/-0.248 χ^2/NDF:30163.2/16

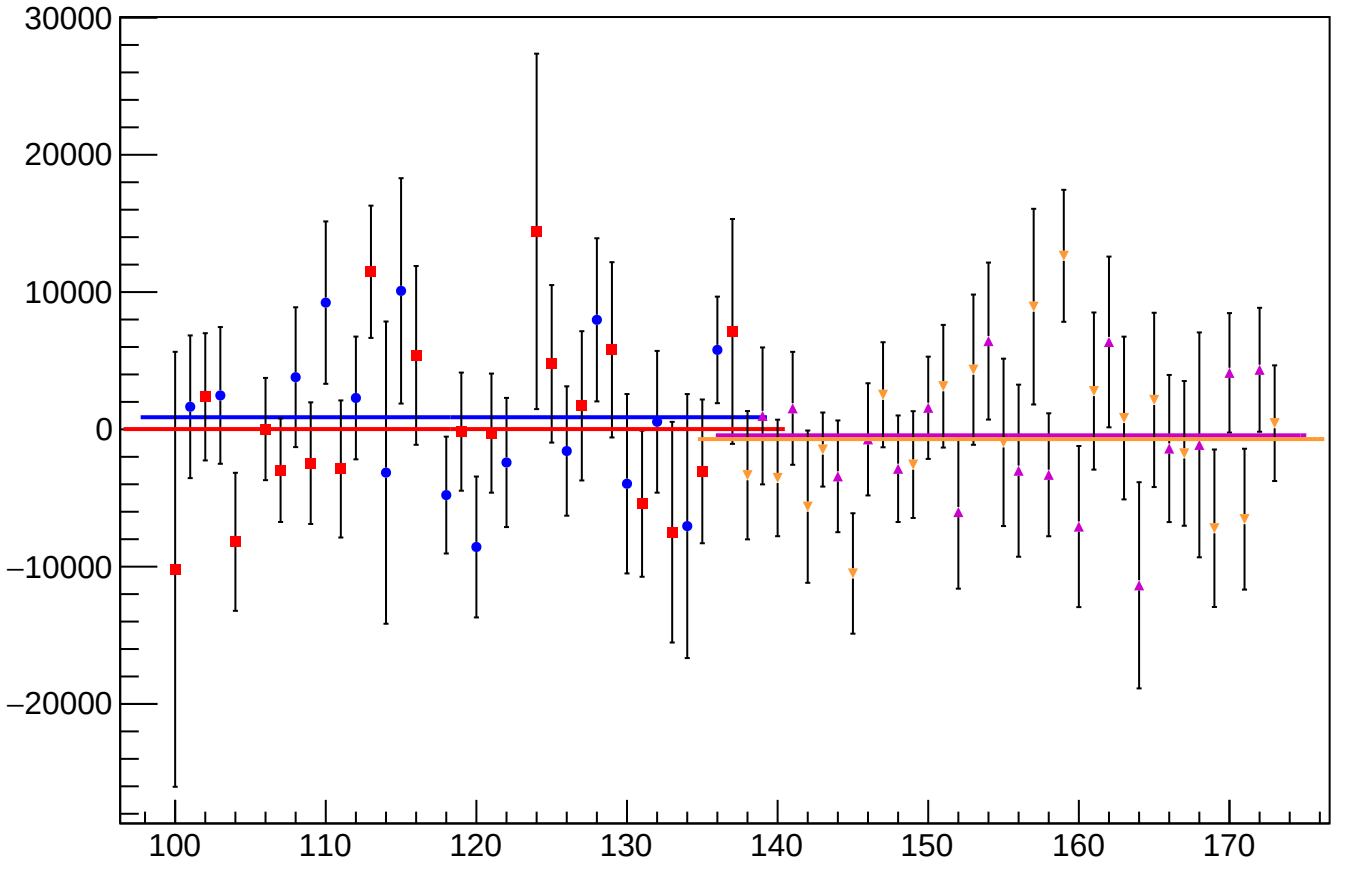
Left: 1295.286+/-0.170 χ^2/NDF: 246549.6/35

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1310.253+/-0.202 χ^2/NDF:541218.6/32

Out: 1285.102+/-0.193 χ^2/NDF:421458.2/37

All: 1297.113+/-0.140 χ^2/NDF: 970755.2/70



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -708.290+/-1068.709 χ^2/NDF:22.0/18

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -434.012+/-1178.168 χ^2/NDF:11.4/16

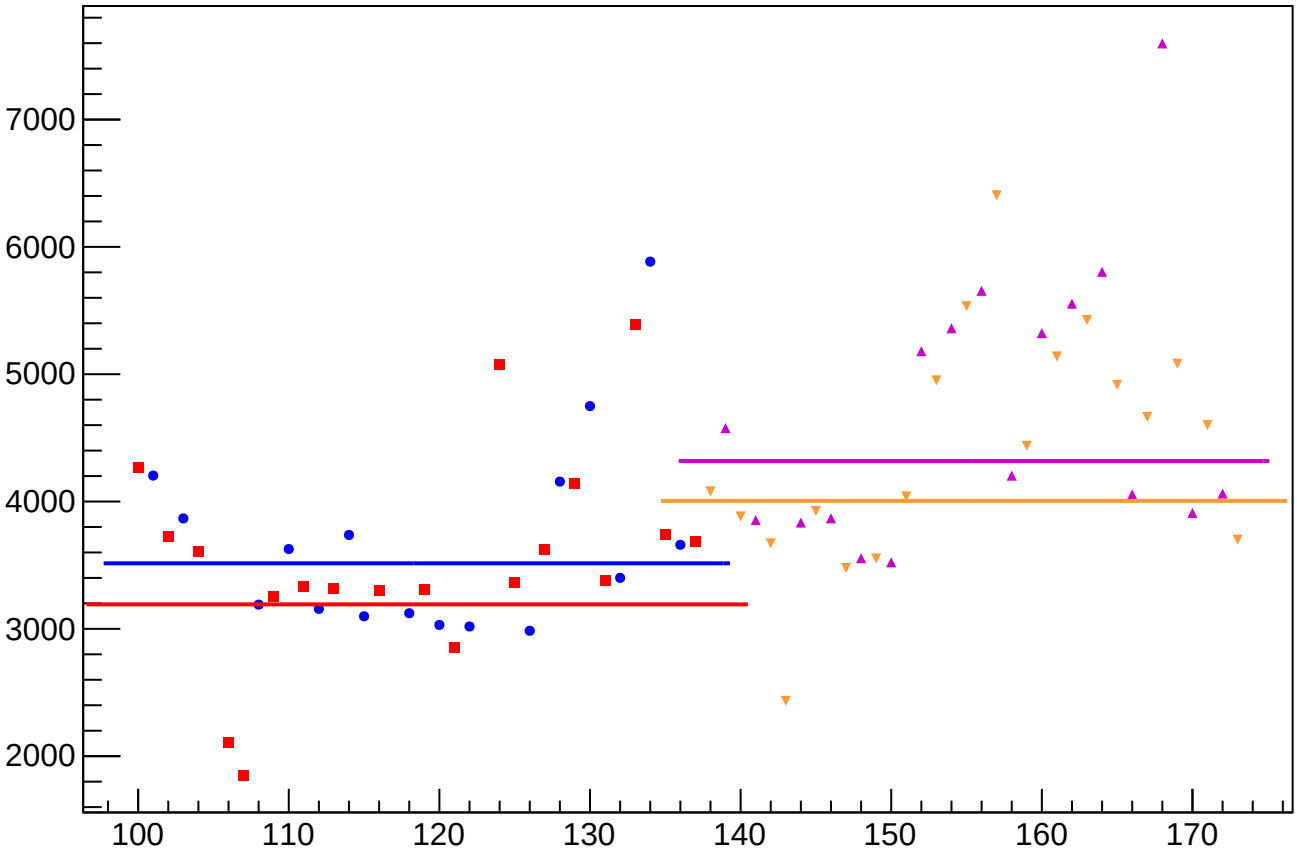
Left: -584.481+/-791.567 χ^2/NDF: 33.5/35

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 146.797+/-881.148 χ^2/NDF:26.1/32

Out: -385.854+/-798.093 χ^2/NDF:39.1/37

All: -145.809+/-591.526 χ^2/NDF: 65.3/70



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4005.003+/-0.756 χ^2/NDF:1556289.4/18

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4318.026+/-0.833 χ^2/NDF:1024028.2/16

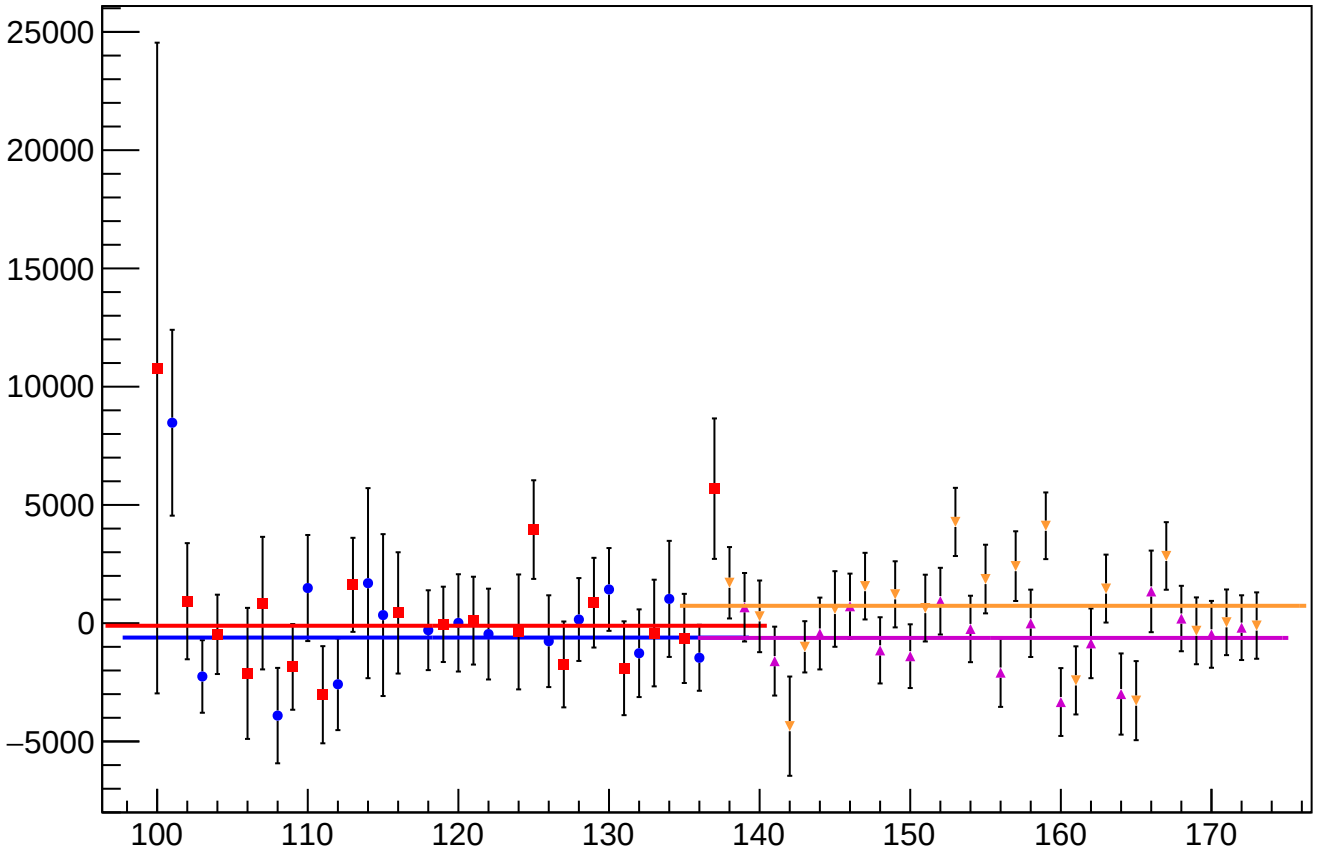
Left: 4146.301+/-0.560 χ^2/NDF: 2657768.1/35

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3964.060+/-0.623 χ^2/NDF:1808786.4/32

Out: 3645.488+/-0.564 χ^2/NDF:2840480.3/37

All: 3789.056+/-0.418 χ^2/NDF: 4792877.5/70



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 735.048+/-331.086 χ^2/NDF:37.3/18

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -623.078+/-350.788 χ^2/NDF:12.5/16

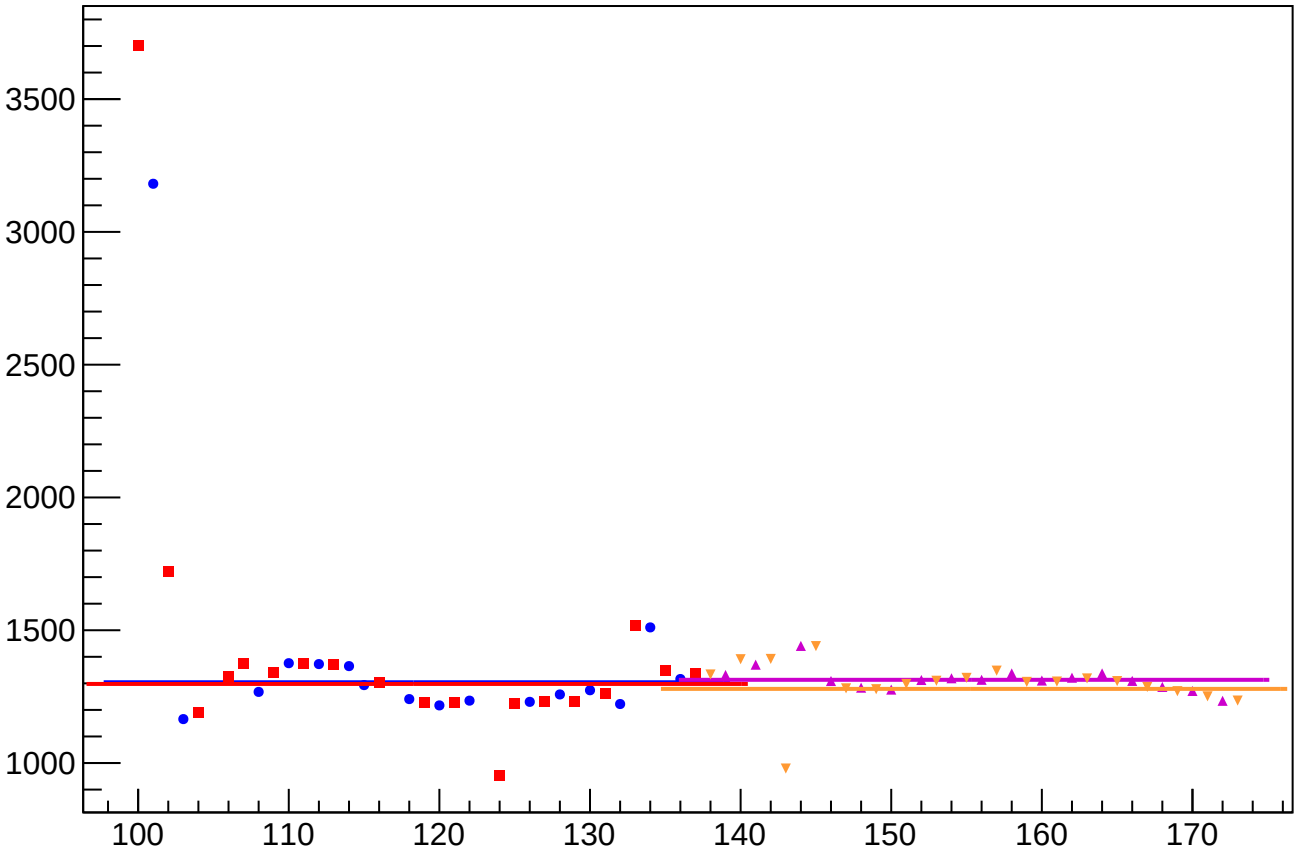
Left: 95.193+/-240.777 χ^2/NDF: 57.7/35

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -617.970+/-286.049 χ^2/NDF:26.6/32

Out: 467.281+/-273.545 χ^2/NDF:54.2/37

All: -51.108+/-197.698 χ^2/NDF: 88.3/70



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1279.192+/-0.234 χ^2/NDF:206356.0/18

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1313.354+/-0.248 χ^2/NDF:30163.9/16

Left: 1295.286+/-0.170 χ^2/NDF: 246551.6/35

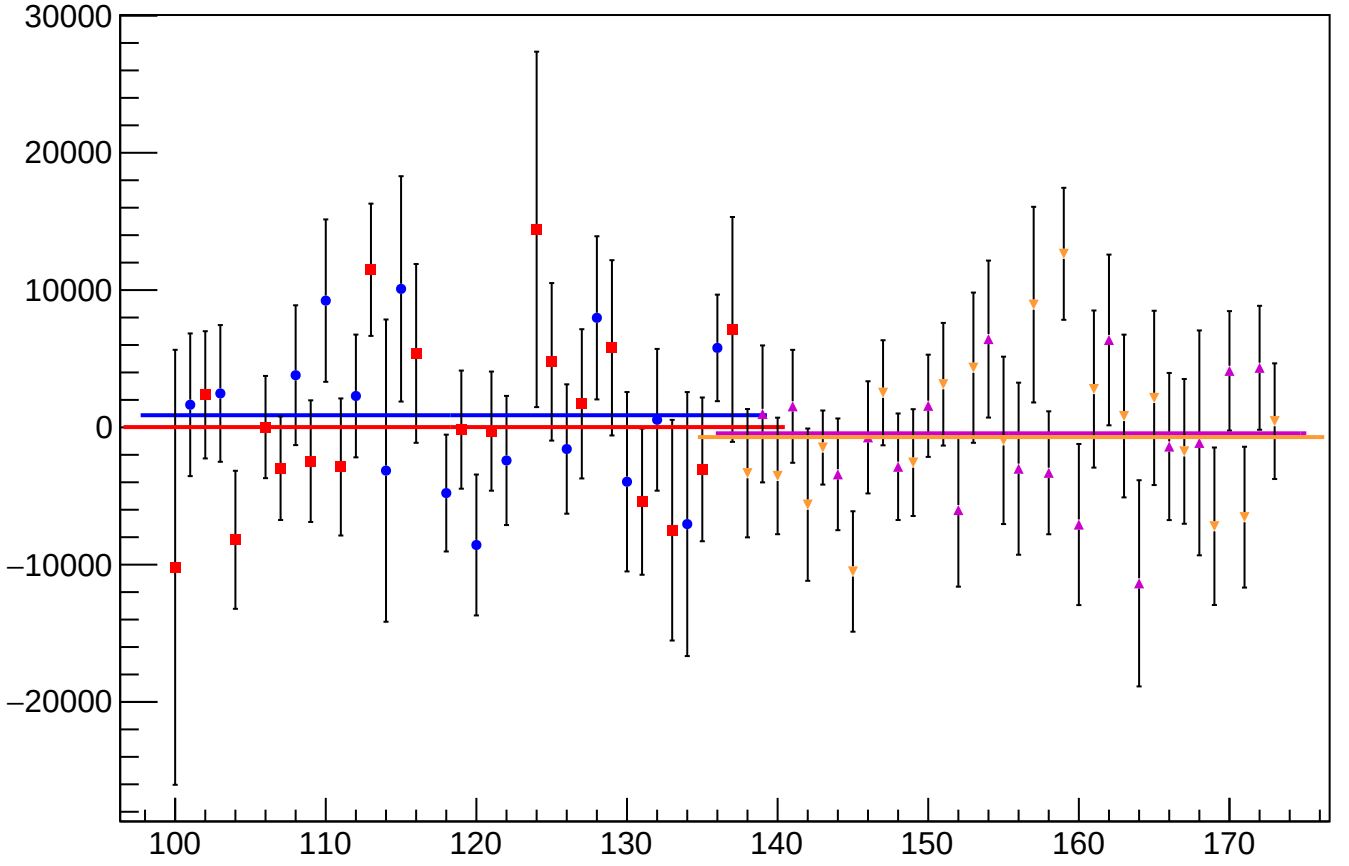
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1310.254+/-0.202 χ^2/NDF:541219.6/32

Out: 1285.102+/-0.193 χ^2/NDF:421459.3/37

All: 1297.114+/-0.140 χ^2/NDF: 970757.3/70

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -708.288+/-1068.711 χ^2/NDF:22.0/18

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -434.011+/-1178.170 χ^2/NDF:11.4/16

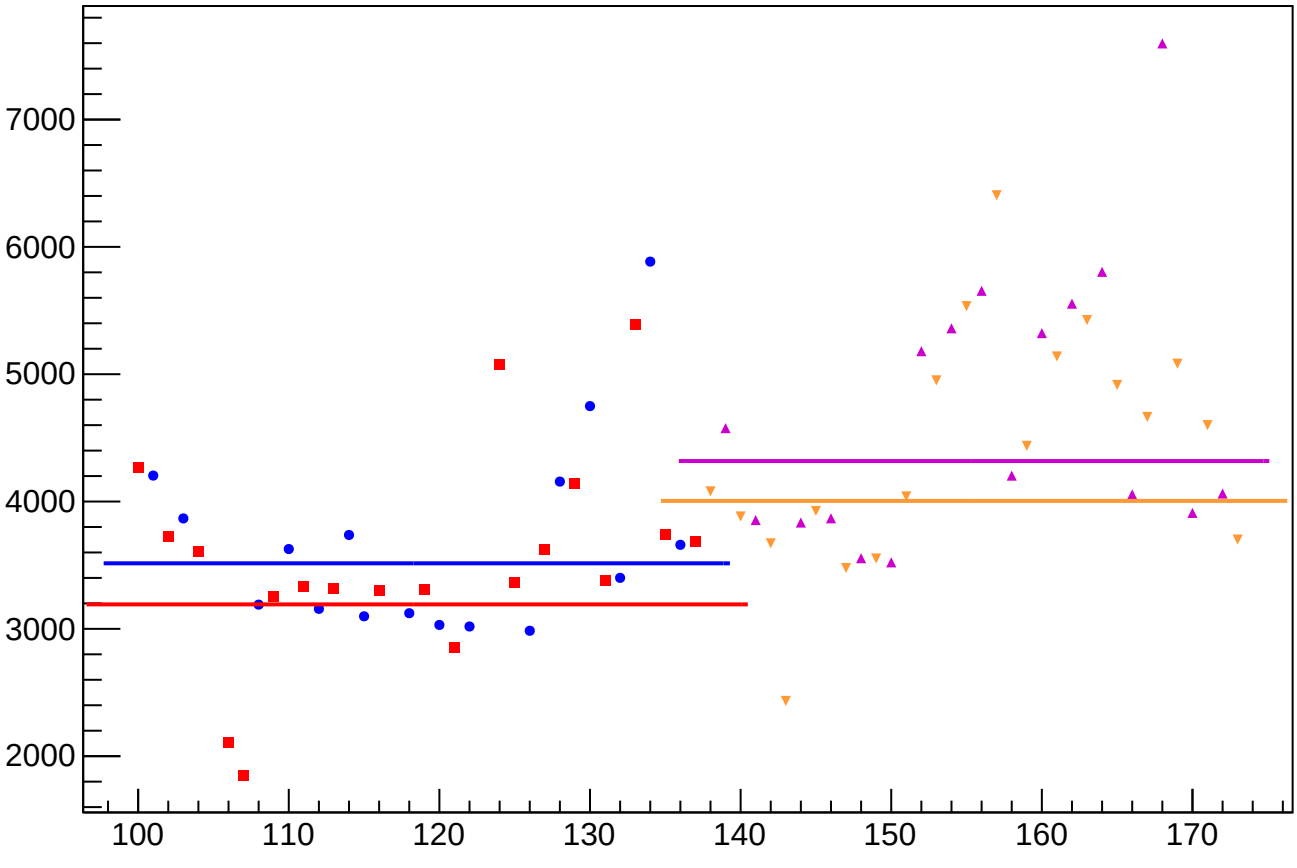
Left: -584.480+/-791.568 χ^2/NDF: 33.5/35

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 146.795+/-881.148 χ^2/NDF:26.1/32

Out: -385.853+/-798.093 χ^2/NDF:39.1/37

All: -145.809+/-591.526 χ^2/NDF: 65.3/70



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4005.009+/-0.756 χ^2/NDF:1556290.4/18

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4318.032+/-0.833 χ^2/NDF:1024030.4/16

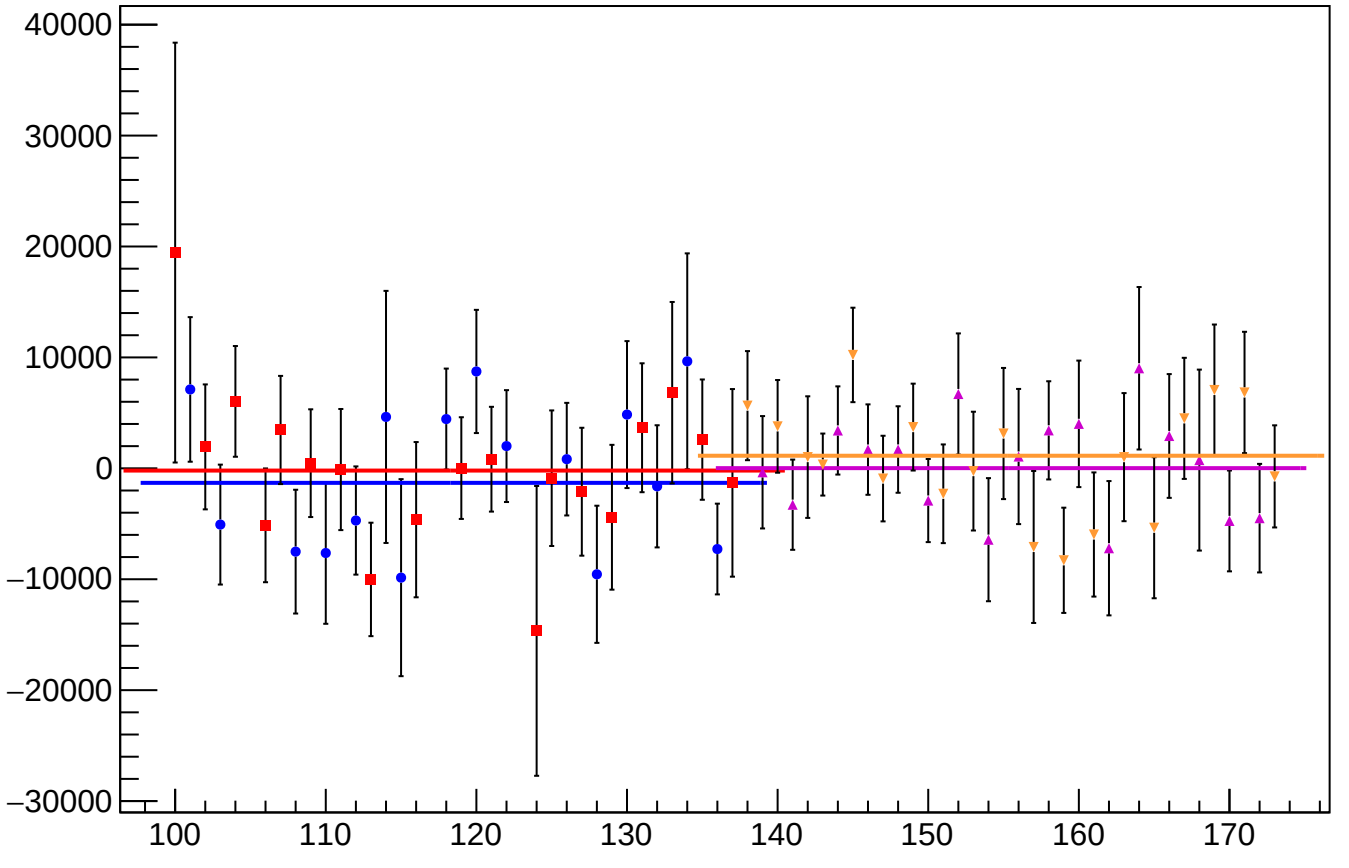
Left: 4146.308+/-0.560 χ^2/NDF: 2657770.8/35

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3964.058+/-0.623 χ^2/NDF:1808808.8/32

Out: 3645.487+/-0.564 χ^2/NDF:2840501.8/37

All: 3789.054+/-0.418 χ^2/NDF: 4792921.0/70



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1135.281+/-1080.463 χ^2/NDF:18.1/18

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 16.762+/-1180.340 χ^2/NDF:11.5/16

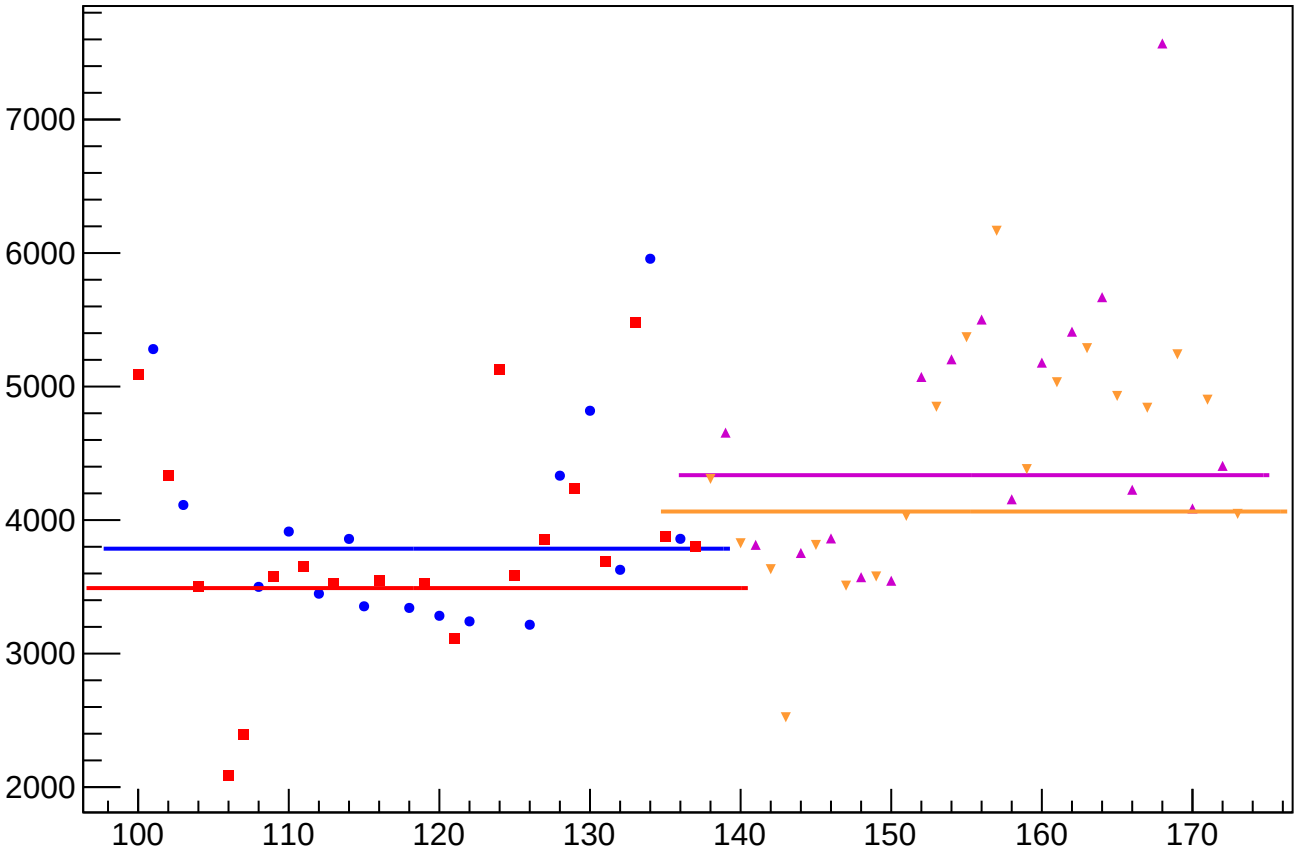
Left: 625.339+/-796.977 χ^2/NDF: 30.0/35

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -519.885+/-910.717 χ^2/NDF:29.6/32

Out: 606.683+/-840.126 χ^2/NDF:30.3/37

All: 88.746+/-617.509 χ^2/NDF: 60.7/70



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4064.112+/-0.764 χ^2/NDF:1402478.4/18

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4336.304+/-0.835 χ^2/NDF:932690.4/16

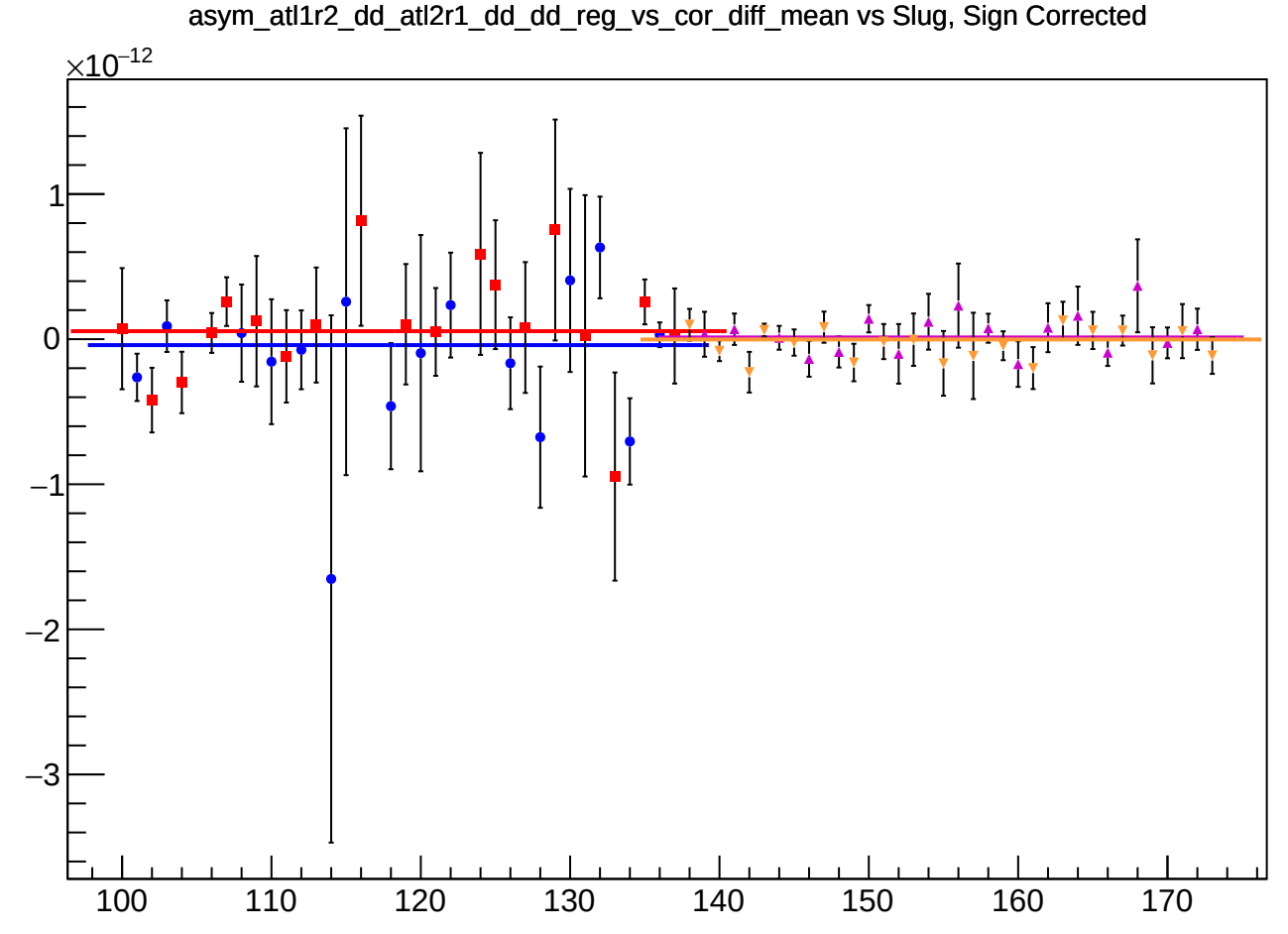
Left: 4188.207+/-0.564 χ^2/NDF: 2393037.1/35

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4113.515+/-0.644 χ^2/NDF:1491756.0/32

Out: 3833.577+/-0.591 χ^2/NDF:2215699.3/37

All: 3961.517+/-0.435 χ^2/NDF: 3810059.3/70



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.0/16

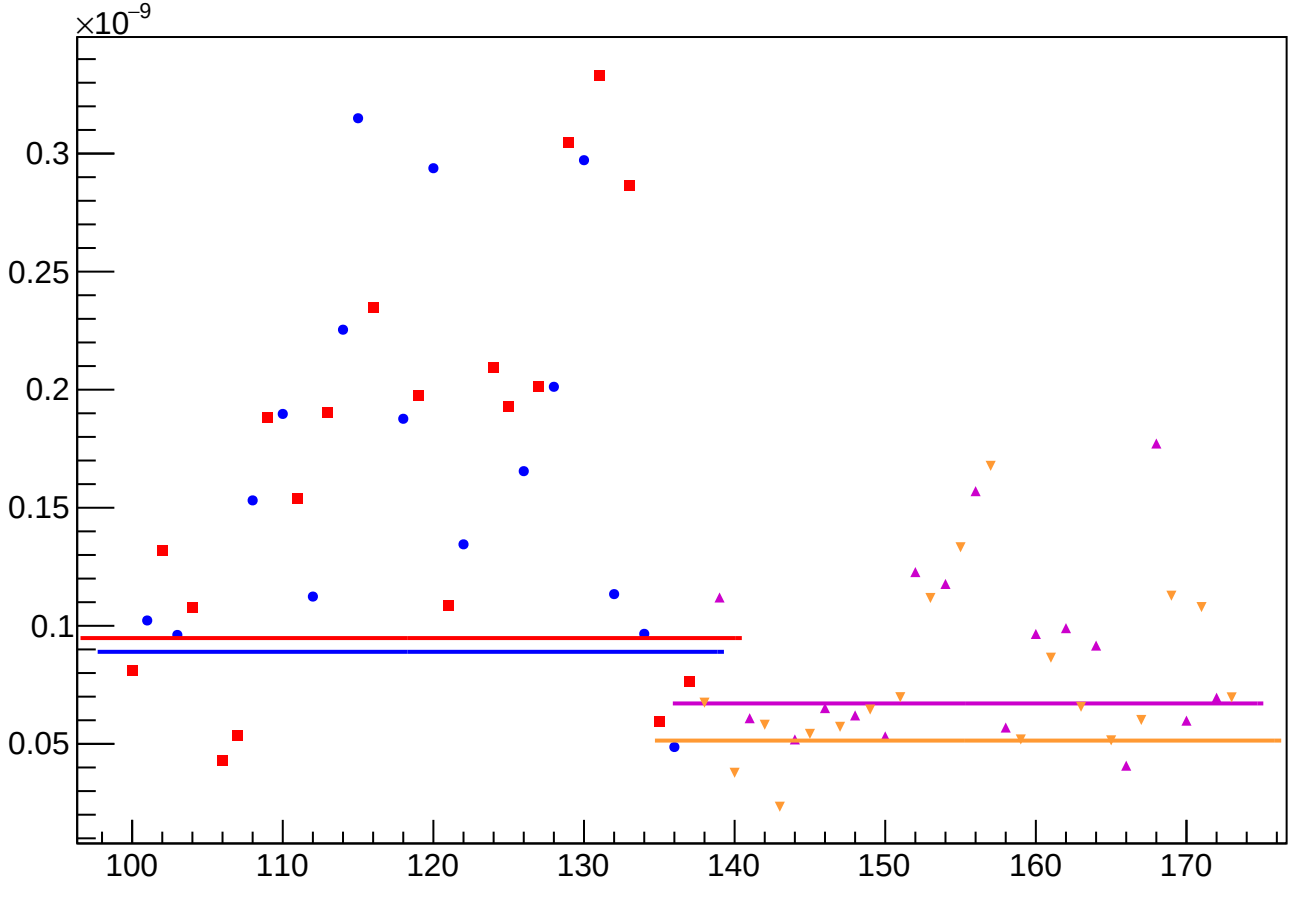
Left: 0.000+/-0.000 χ^2/NDF: 25.7/35

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:28.2/32

Out: 0.000+/-0.000 χ^2/NDF:31.2/37

All: 0.000+/-0.000 χ^2/NDF: 59.4/70



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2392370.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1375148.3/16

Left: 0.000+/-0.000 χ^2/NDF: 4095116.4/35

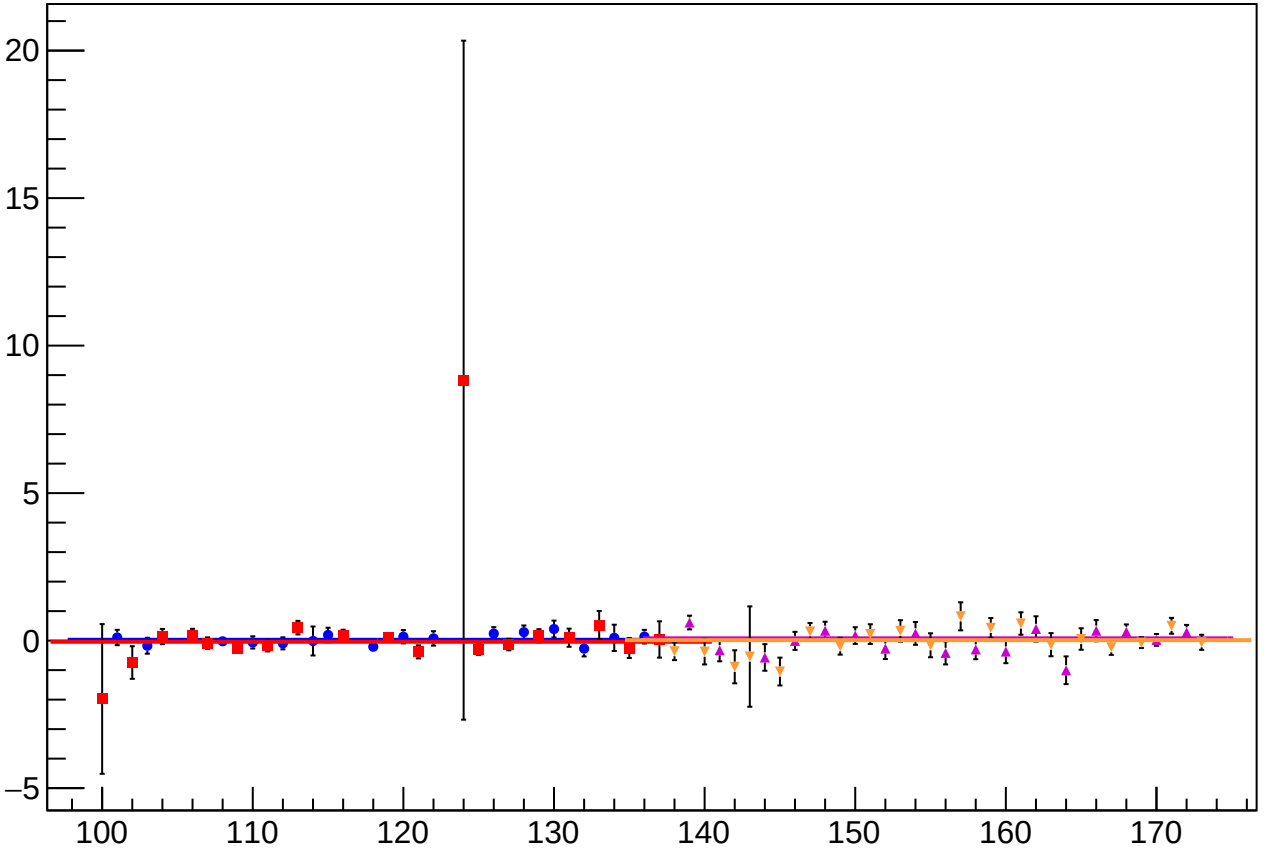
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3052520.8/32

Out: 0.000+/-0.000 χ^2/NDF:4934415.5/37

All: 0.000+/-0.000 χ^2/NDF: 8348507.3/70

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: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.077+/-0.076 χ^2/NDF:22.6/16

Left: 0.046+/-0.053 χ^2/NDF: 47.1/35

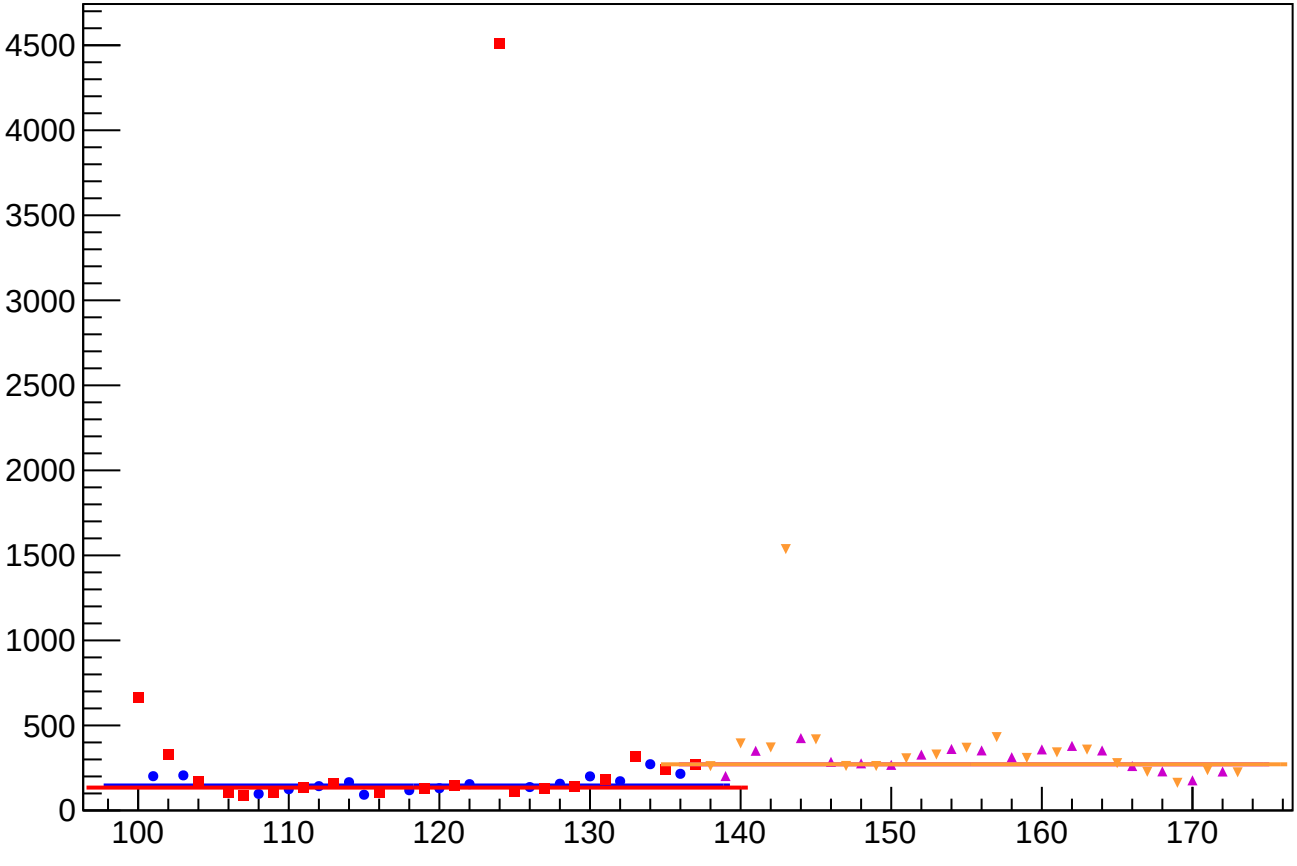
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.046+/-0.046 χ^2/NDF:32.3/32

Out: -0.020+/-0.044 χ^2/NDF:44.6/37

All: 0.012+/-0.032 χ^2/NDF: 77.9/70

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: 271.419+/-0.053 χ^2/NDF:3010380.1/18

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 271.262+/-0.053 χ^2/NDF:1627326.4/16

Left: 271.341+/-0.038 χ^2/NDF: 4637710.8/35

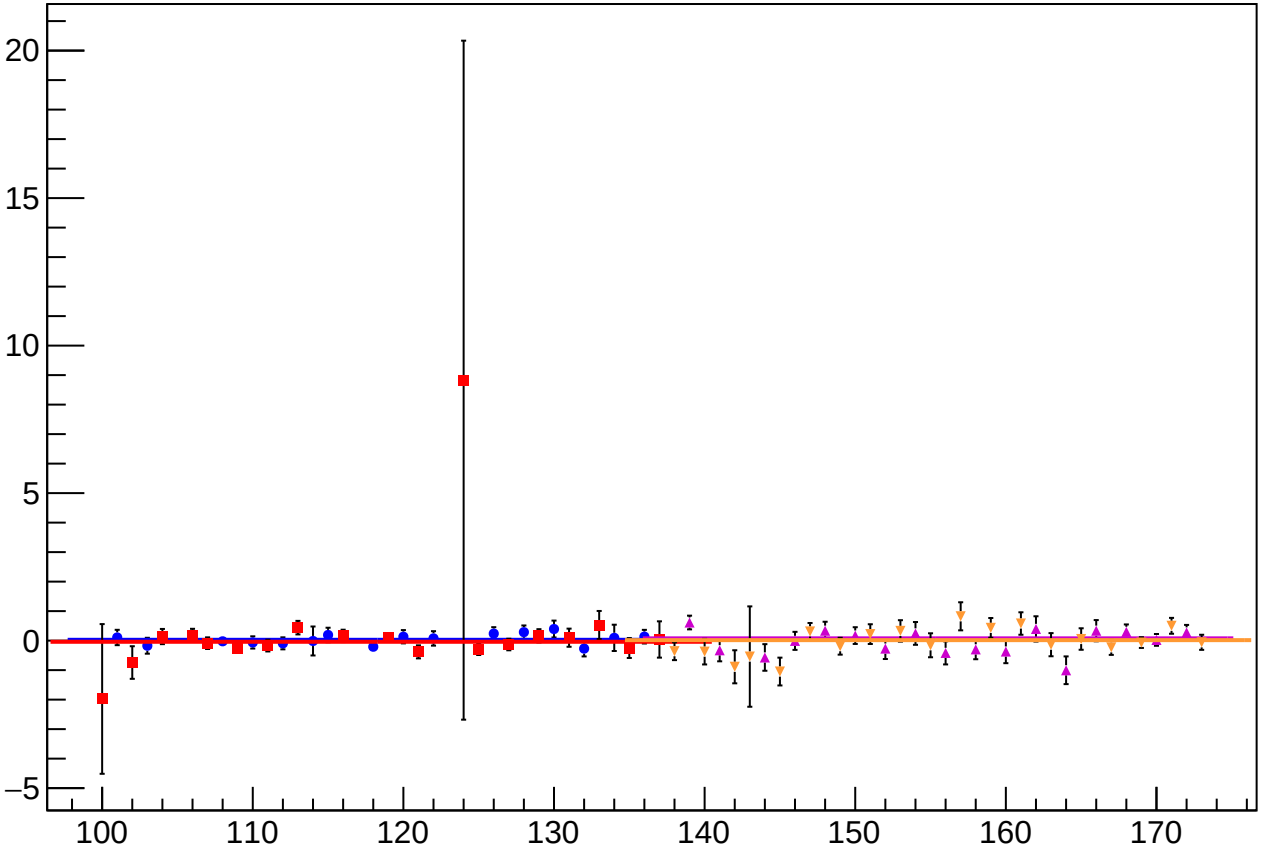
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 192.656+/-0.032 χ^2/NDF:6051336.4/32

Out: 182.517+/-0.031 χ^2/NDF:8998044.4/37

All: 187.393+/-0.022 χ^2/NDF: 15100126.6/70

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: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.077+/-0.076 χ^2/NDF:22.6/16

Left: 0.046+/-0.053 χ^2/NDF: 47.1/35

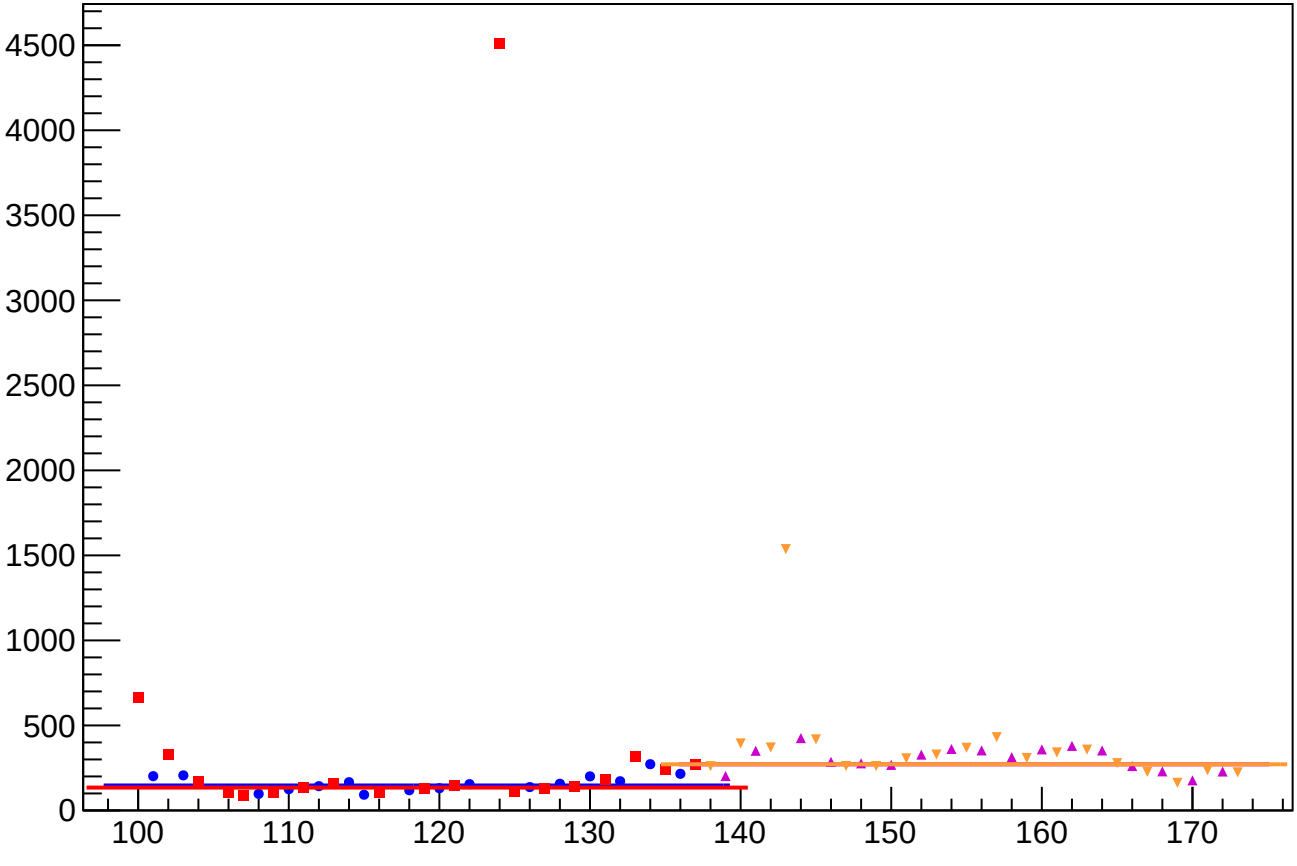
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.046+/-0.046 χ^2/NDF:32.3/32

Out: -0.020+/-0.044 χ^2/NDF:44.6/37

All: 0.012+/-0.032 χ^2/NDF: 77.9/70

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: 271.419+/-0.053 χ^2/NDF:3010380.1/18

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 271.262+/-0.053 χ^2/NDF:1627326.4/16

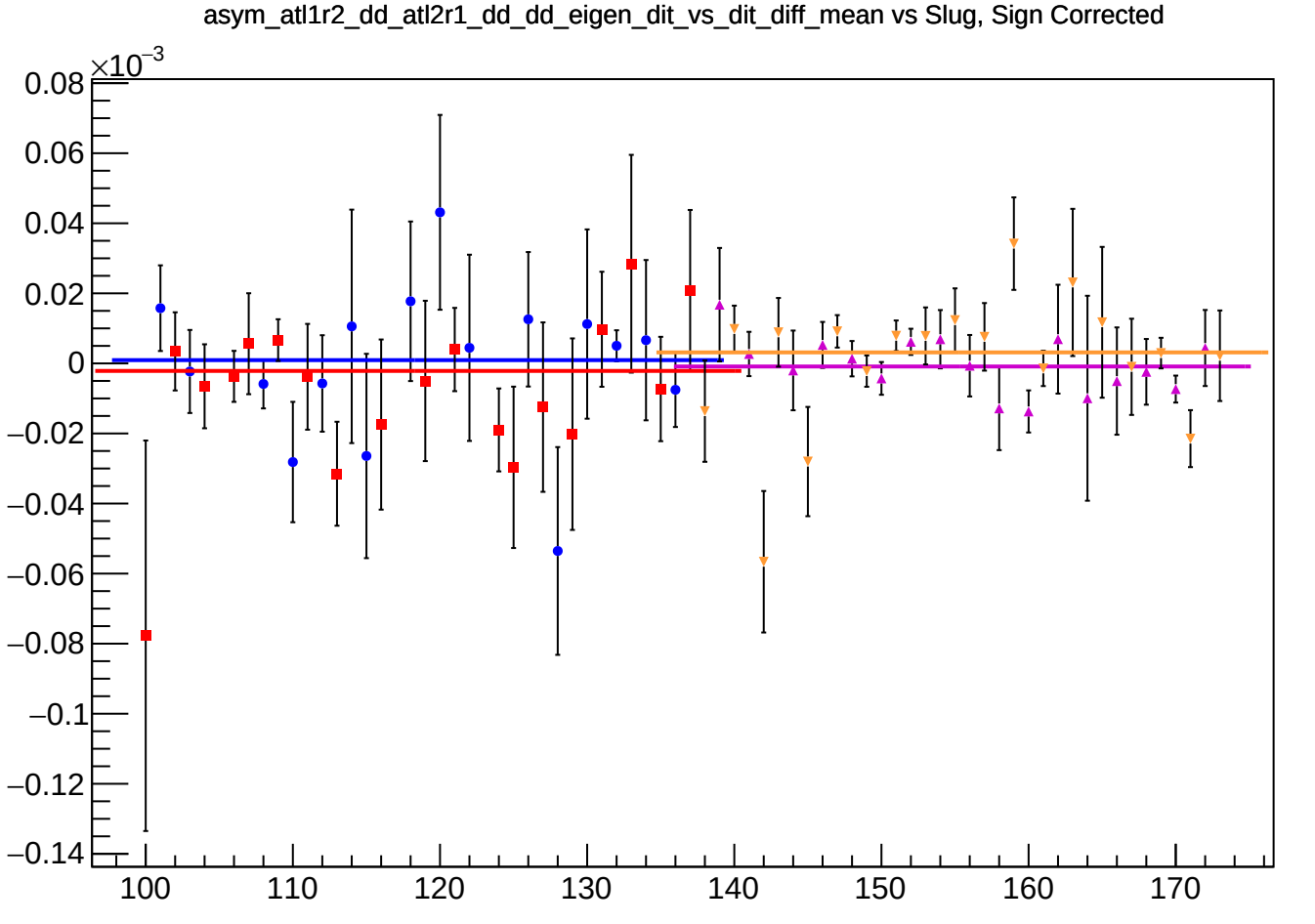
Left: 271.341+/-0.038 χ^2/NDF: 4637710.8/35

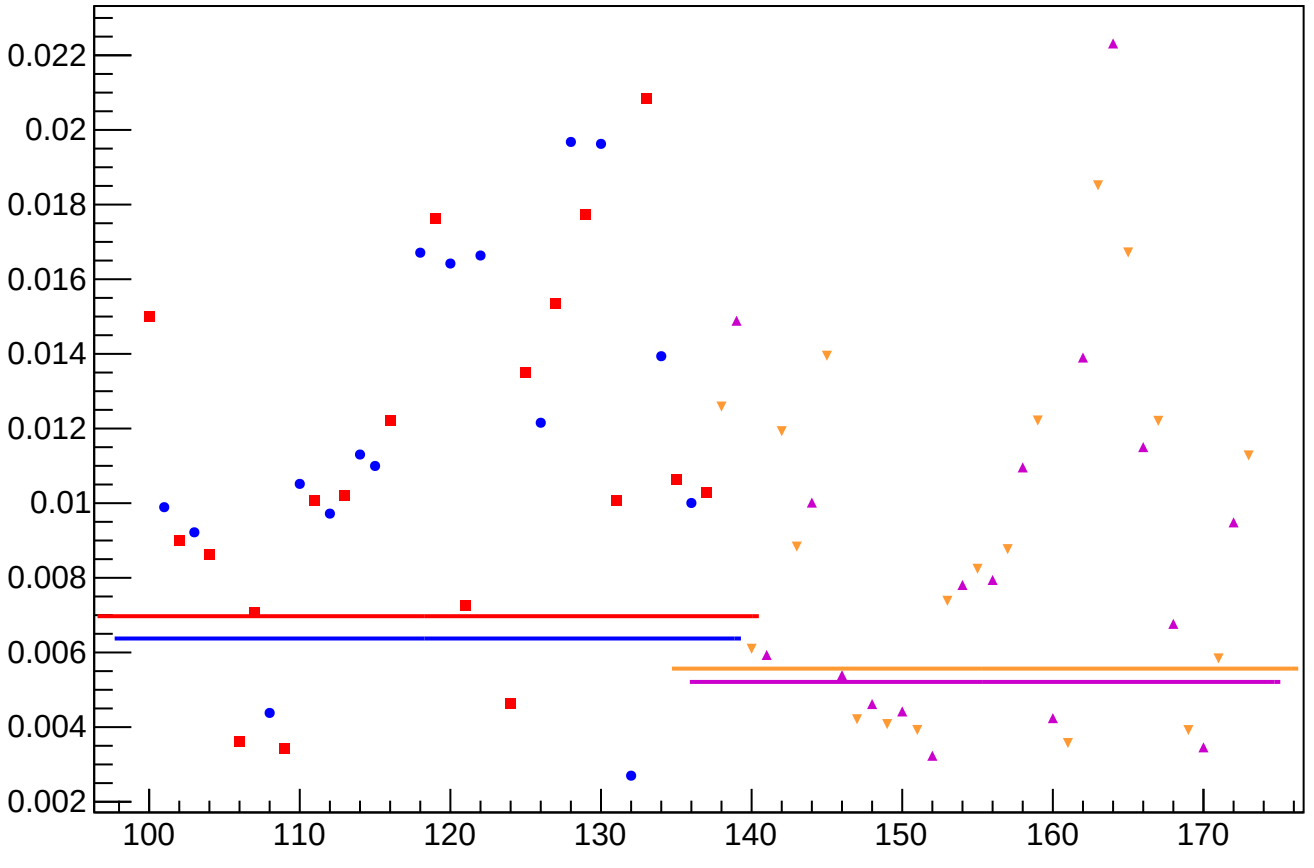
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 192.656+/-0.032 χ^2/NDF:6051336.4/32

Out: 182.517+/-0.031 χ^2/NDF:8998044.4/37

All: 187.393+/-0.022 χ^2/NDF: 15100126.6/70


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
170
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: 0.000+/-0.000 χ²/NDF:38.0/18
Right Out: -0.000+/-0.000 χ²/NDF: 16.0/18
Left In: -0.000+/-0.000 χ²/NDF:16.6/16
Left: 0.000+/-0.000 χ²/NDF: 57.6/35
Right: -0.000+/-0.000 χ²/NDF: 31.5/34
In: -0.000+/-0.000 χ²/NDF:31.8/32
Out: 0.000+/-0.000 χ²/NDF:56.4/37
All: 0.000+/-0.000 χ²/NDF: 89.5/70



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:5913832.2/18

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:5078304.7/16

Left: 0.005+/-0.000 χ^2/NDF: 11038886.4/35

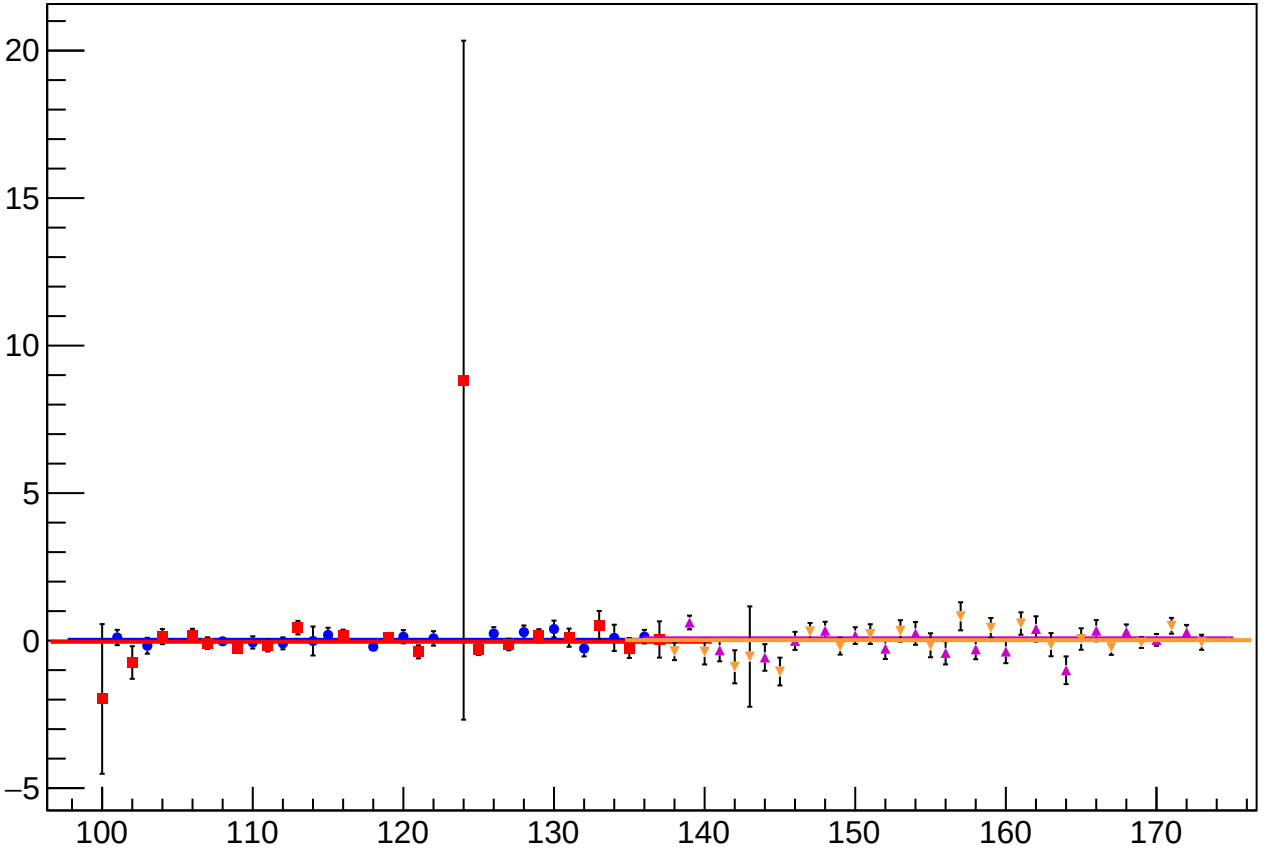
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.005+/-0.000 χ^2/NDF:9959101.2/32

Out: 0.006+/-0.000 χ^2/NDF:9656185.3/37

All: 0.006+/-0.000 χ^2/NDF: 19696051.4/70

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: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.077+/-0.076 χ^2/NDF:22.6/16

Left: 0.046+/-0.053 χ^2/NDF: 47.1/35

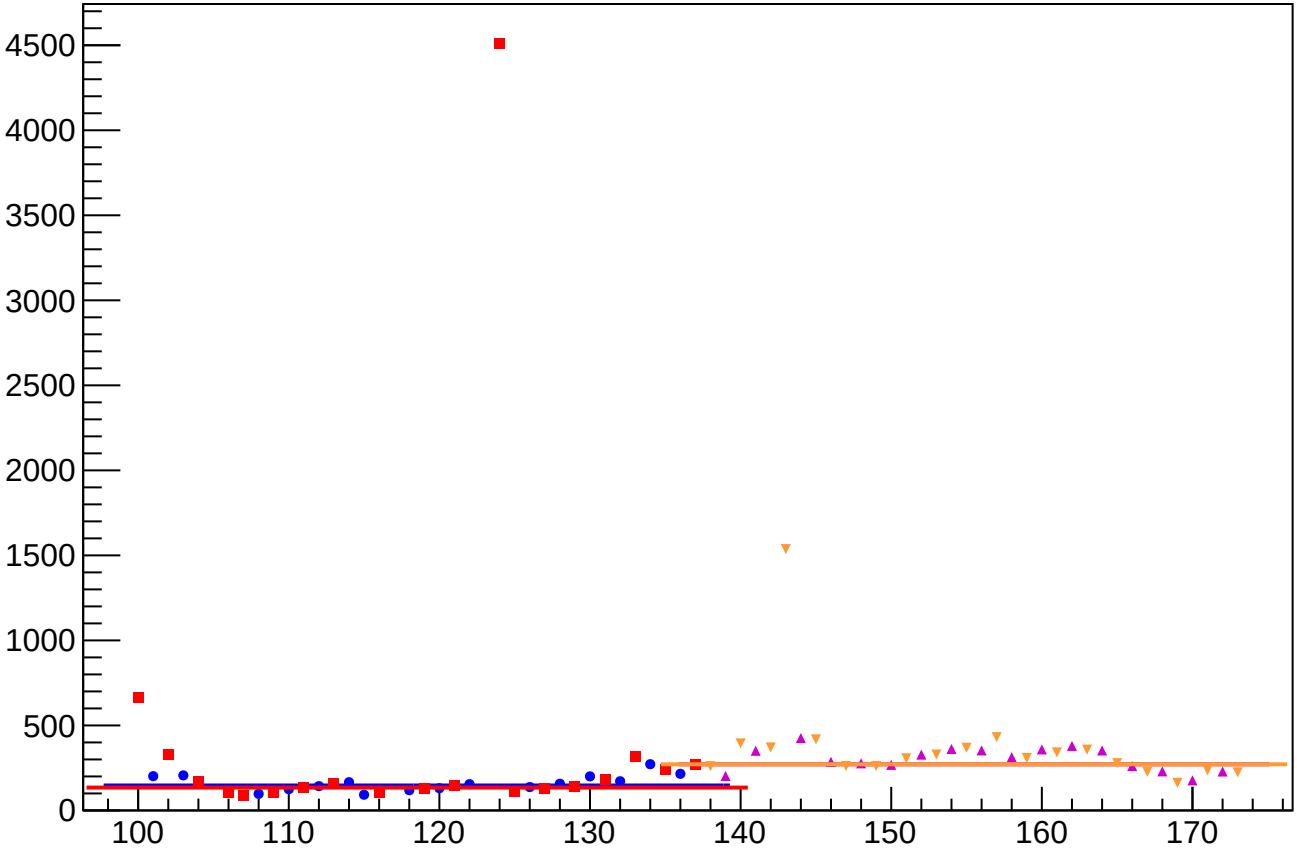
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.046+/-0.046 χ^2/NDF:32.3/32

Out: -0.020+/-0.044 χ^2/NDF:44.6/37

All: 0.012+/-0.032 χ^2/NDF: 77.9/70

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: 271.419+/-0.053 χ^2/NDF:3010520.3/18

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 271.264+/-0.053 χ^2/NDF:1627379.4/16

Left: 271.342+/-0.038 χ^2/NDF: 4637903.9/35

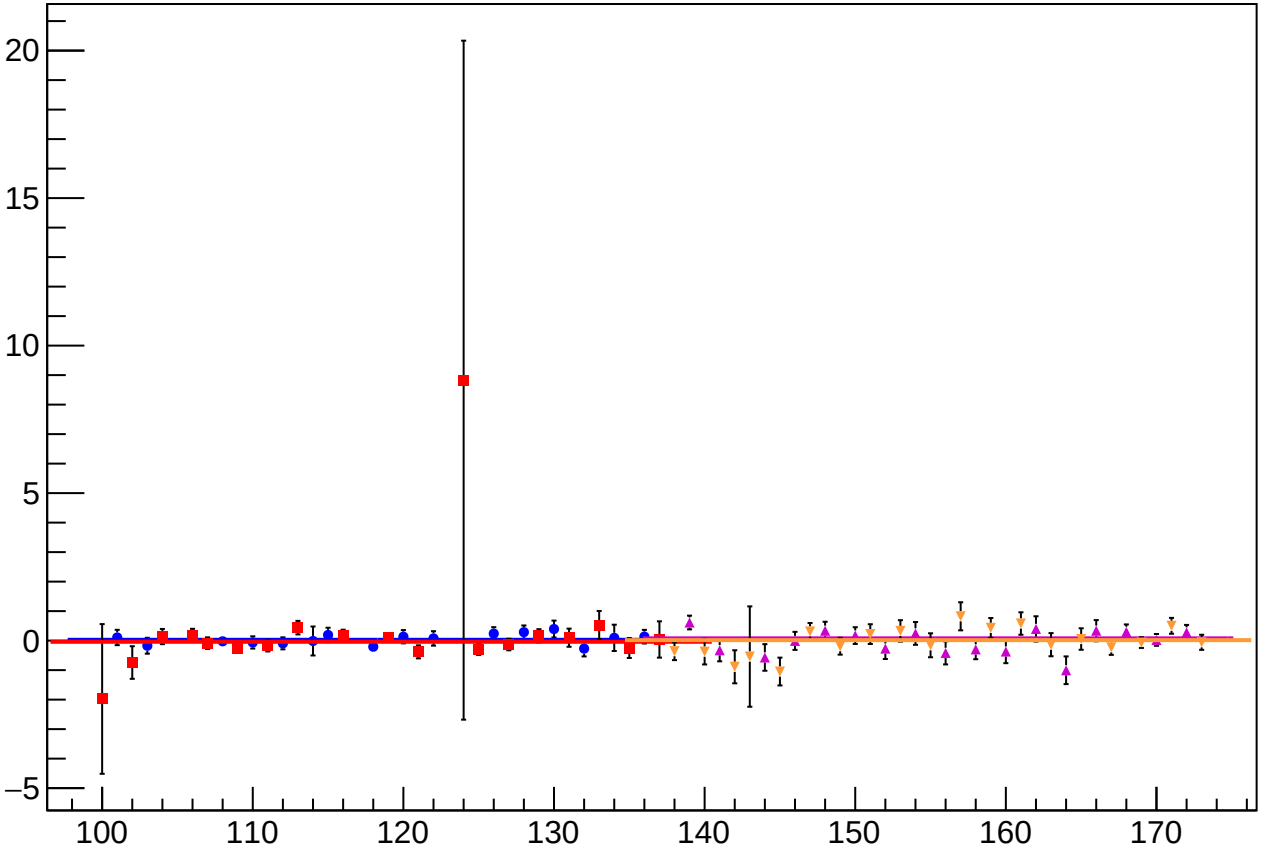
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 192.656+/-0.032 χ^2/NDF:6051420.2/32

Out: 182.518+/-0.031 χ^2/NDF:8997999.8/37

All: 187.393+/-0.022 χ^2/NDF: 15100155.6/70

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: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.077+/-0.076 χ^2/NDF:22.6/16

Left: 0.046+/-0.053 χ^2/NDF: 47.1/35

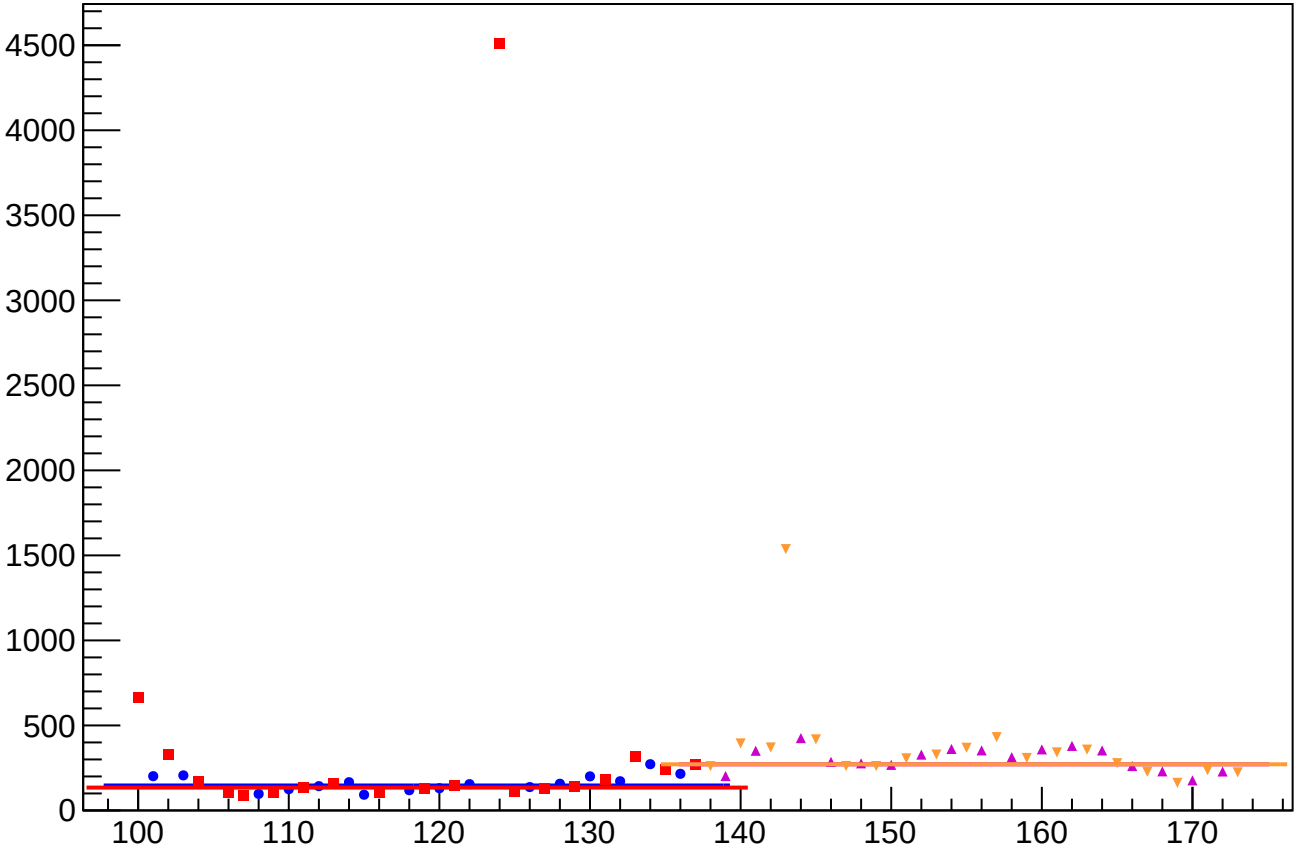
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.046+/-0.046 χ^2/NDF:32.3/32

Out: -0.020+/-0.044 χ^2/NDF:44.6/37

All: 0.012+/-0.032 χ^2/NDF: 77.9/70

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: 271.419+/-0.053 χ^2/NDF:3010520.3/18

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 271.264+/-0.053 χ^2/NDF:1627379.4/16

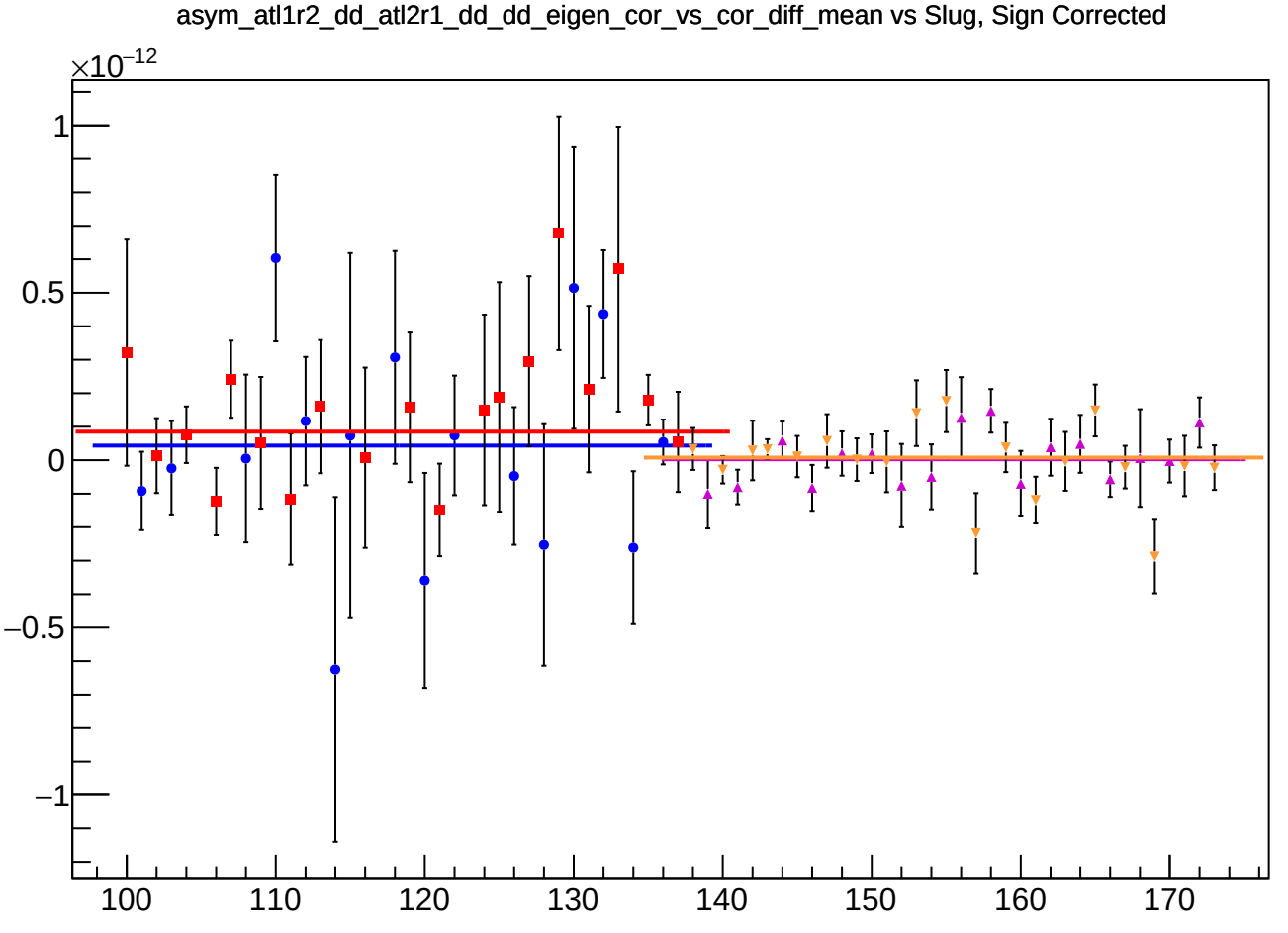
Left: 271.342+/-0.038 χ^2/NDF: 4637903.9/35

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 192.656+/-0.032 χ^2/NDF:6051420.2/32

Out: 182.518+/-0.031 χ^2/NDF:8997999.8/37

All: 187.393+/-0.022 χ^2/NDF: 15100155.6/70



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:17.3/16

Left: 0.000+/-0.000 χ^2/NDF: 42.7/35

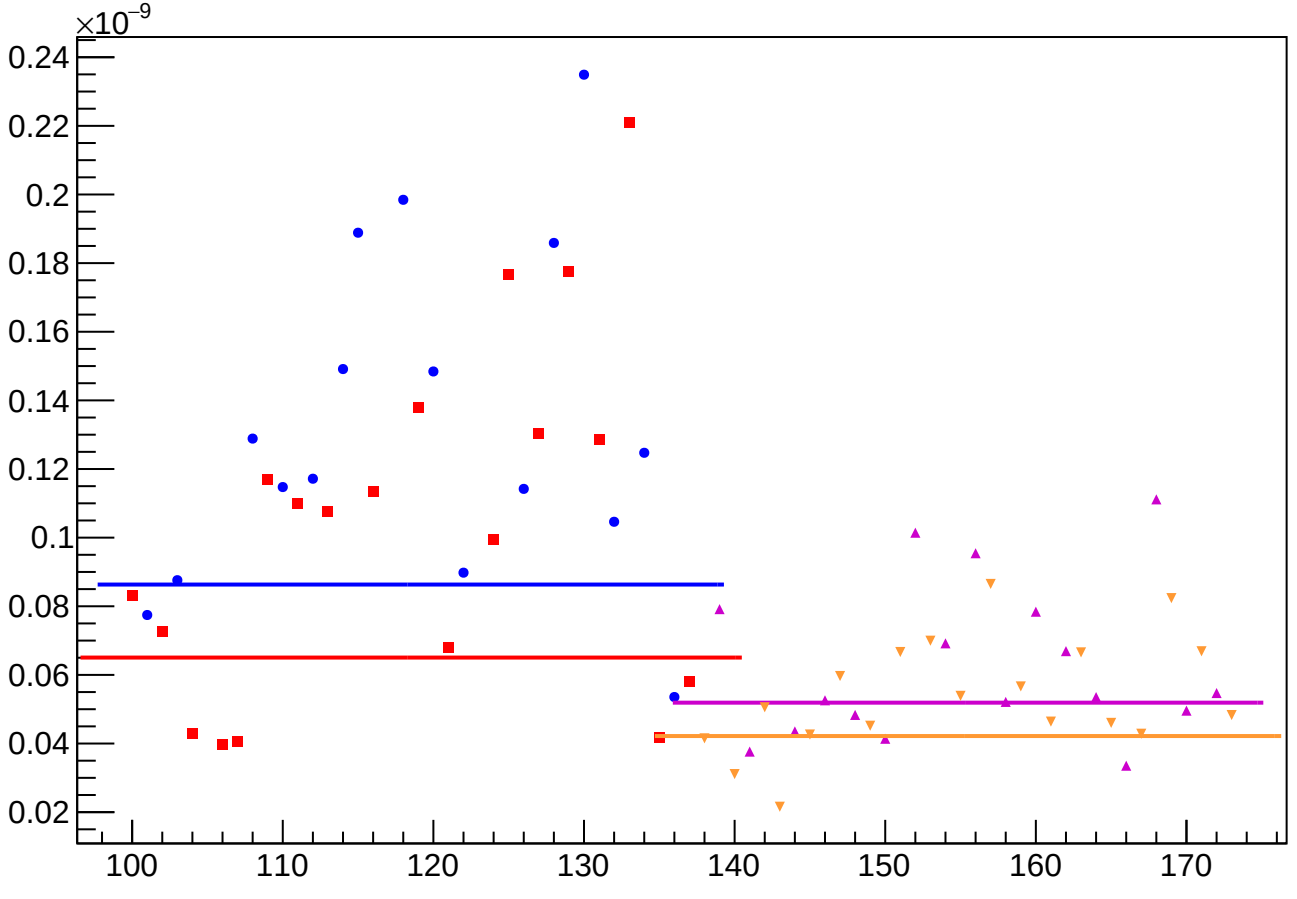
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:37.1/32

Out: 0.000+/-0.000 χ^2/NDF:47.9/37

All: 0.000+/-0.000 χ^2/NDF: 85.2/70

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:2520796.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1832464.0/16

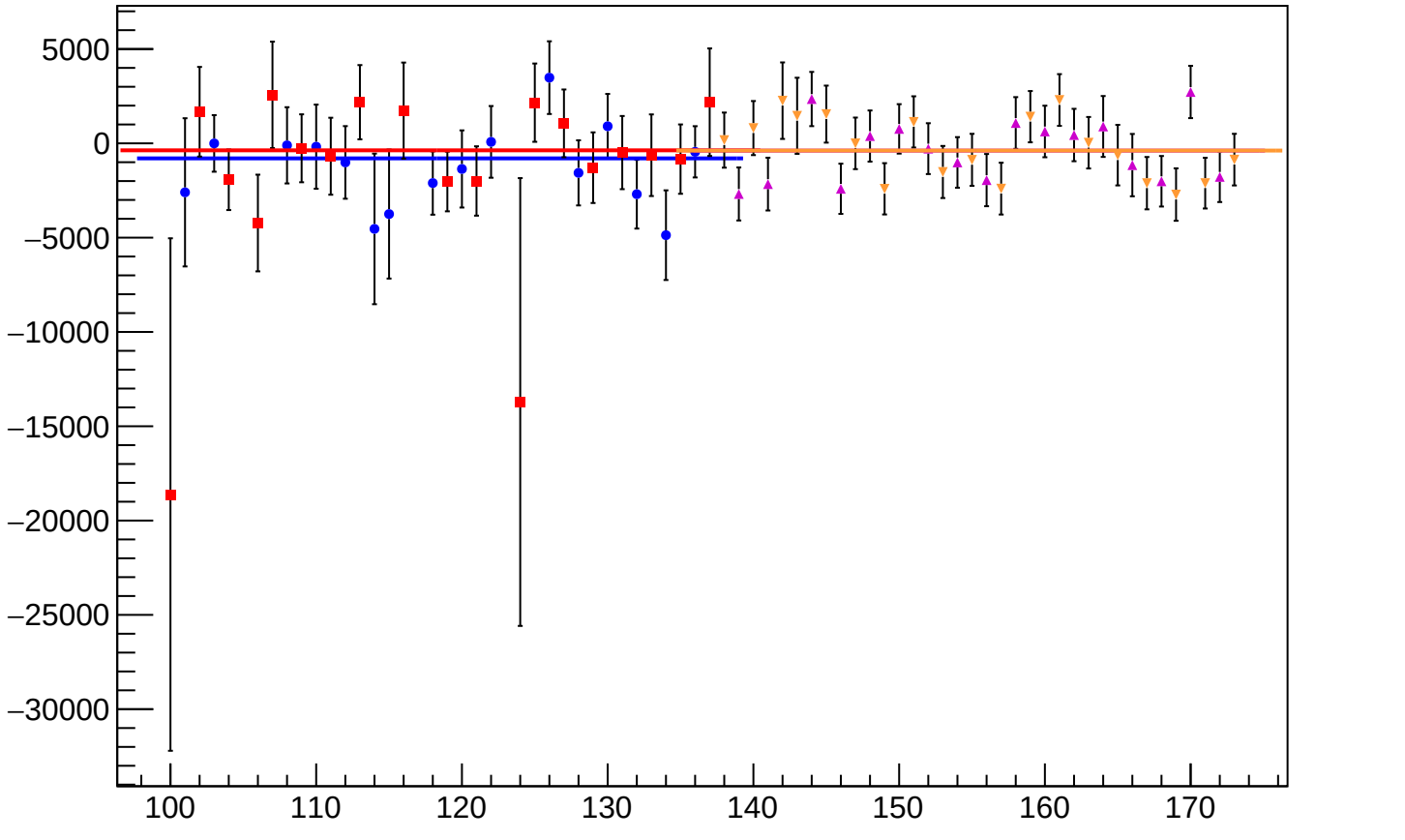
Left: 0.000+/-0.000 χ^2/NDF: 4709279.3/35

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4506051.7/32

Out: 0.000+/-0.000 χ^2/NDF:5431767.0/37

All: 0.000+/-0.000 χ^2/NDF: 10488677.4/70



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -382.913+/-329.647 χ^2/NDF:23.3/18

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -387.171+/-337.229 χ^2/NDF:23.3/16

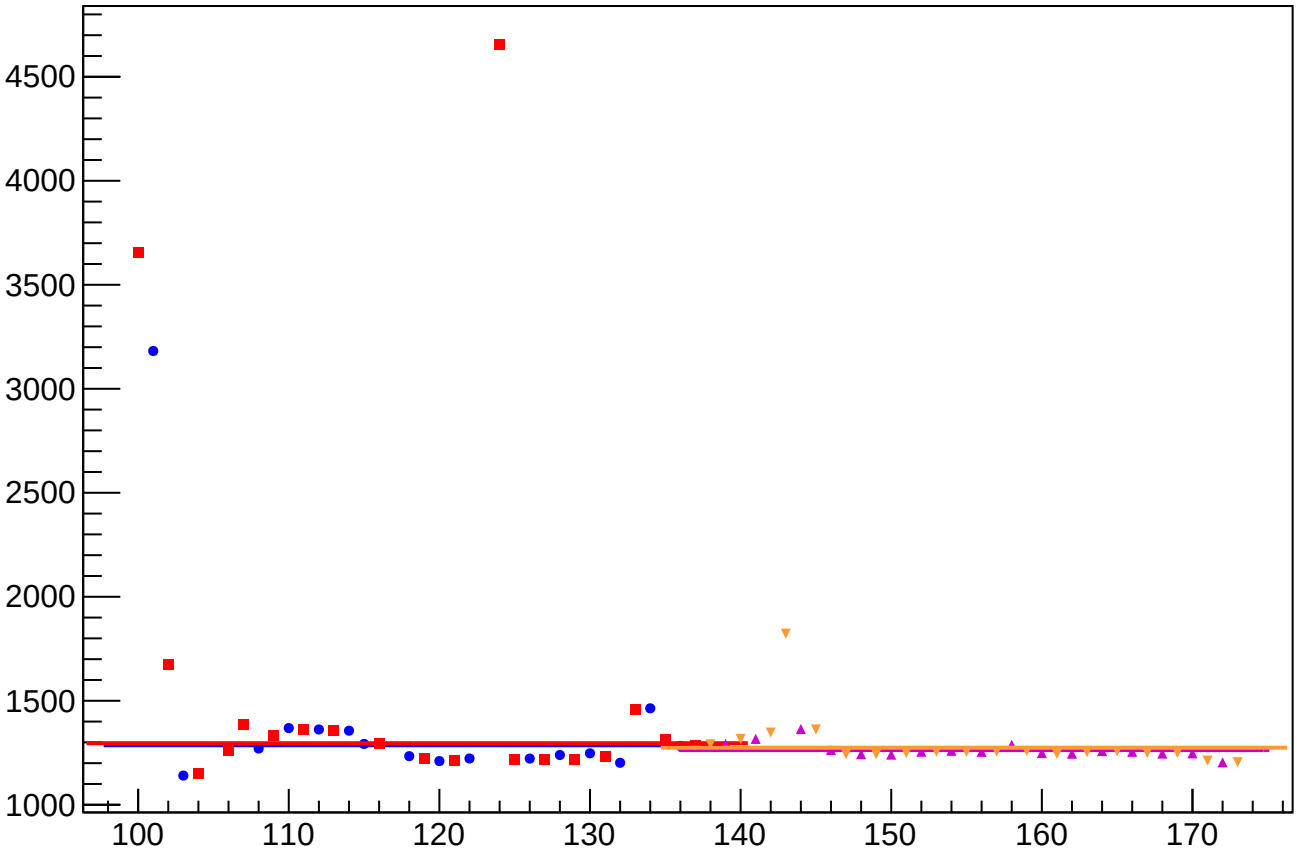
Left: -384.993+/-235.730 χ^2/NDF: 46.6/35

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -519.920+/-277.330 χ^2/NDF:37.2/32

Out: -378.845+/-272.780 χ^2/NDF:39.0/37

All: -448.216+/-194.473 χ^2/NDF: 76.3/70



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1274.426+/-0.233 χ^2/NDF:175551.3/18

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1262.895+/-0.238 χ^2/NDF:20654.5/16

Left: 1268.792+/-0.167 χ^2/NDF: 197401.4/35

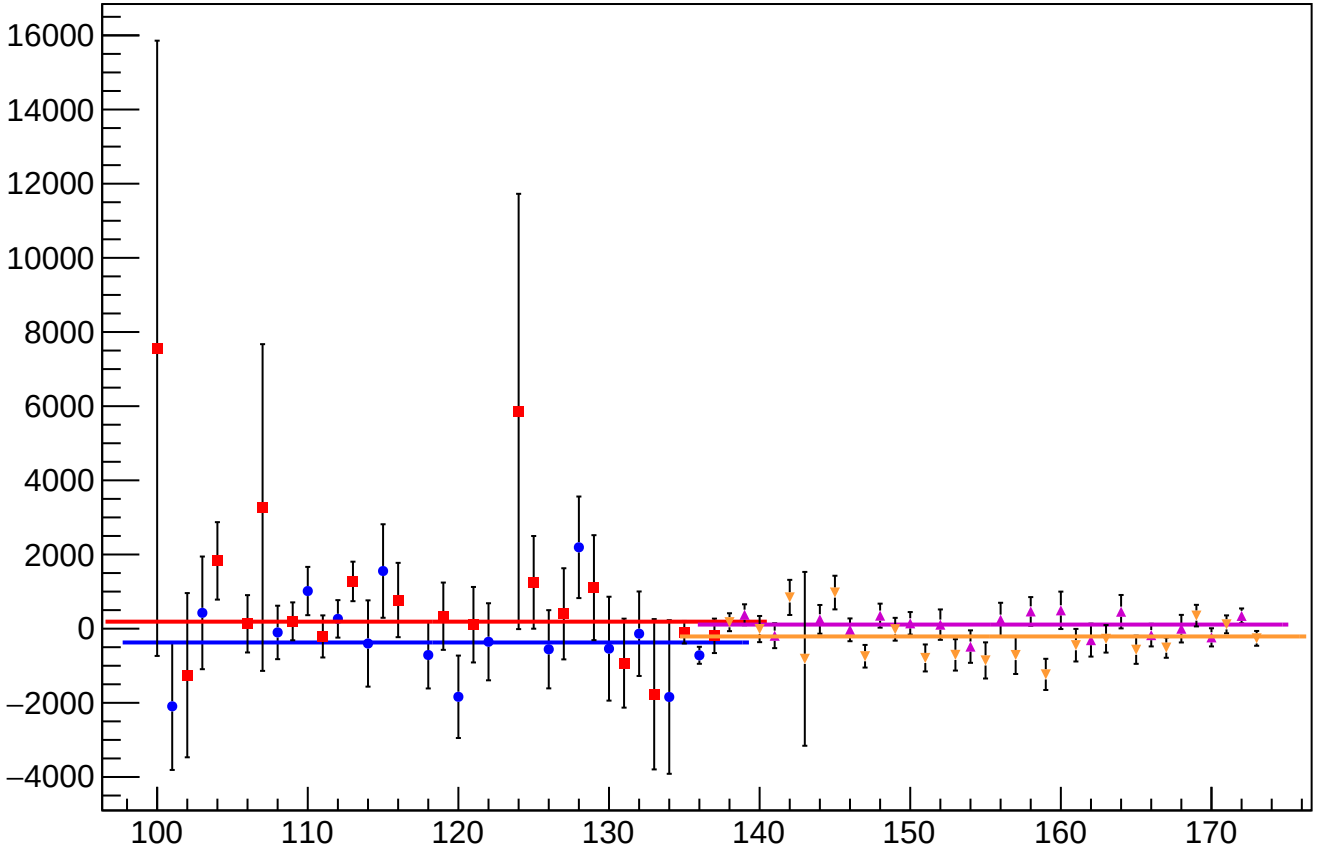
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1270.406+/-0.196 χ^2/NDF:541845.8/32

Out: 1281.209+/-0.193 χ^2/NDF:506307.5/37

All: 1275.897+/-0.138 χ^2/NDF: 1049696.0/70

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: -209.997+/-76.800 χ^2/NDF:38.7/18

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 110.327+/-80.271 χ^2/NDF:11.7/16

Left: -56.911+/-55.492 χ^2/NDF: 58.8/35

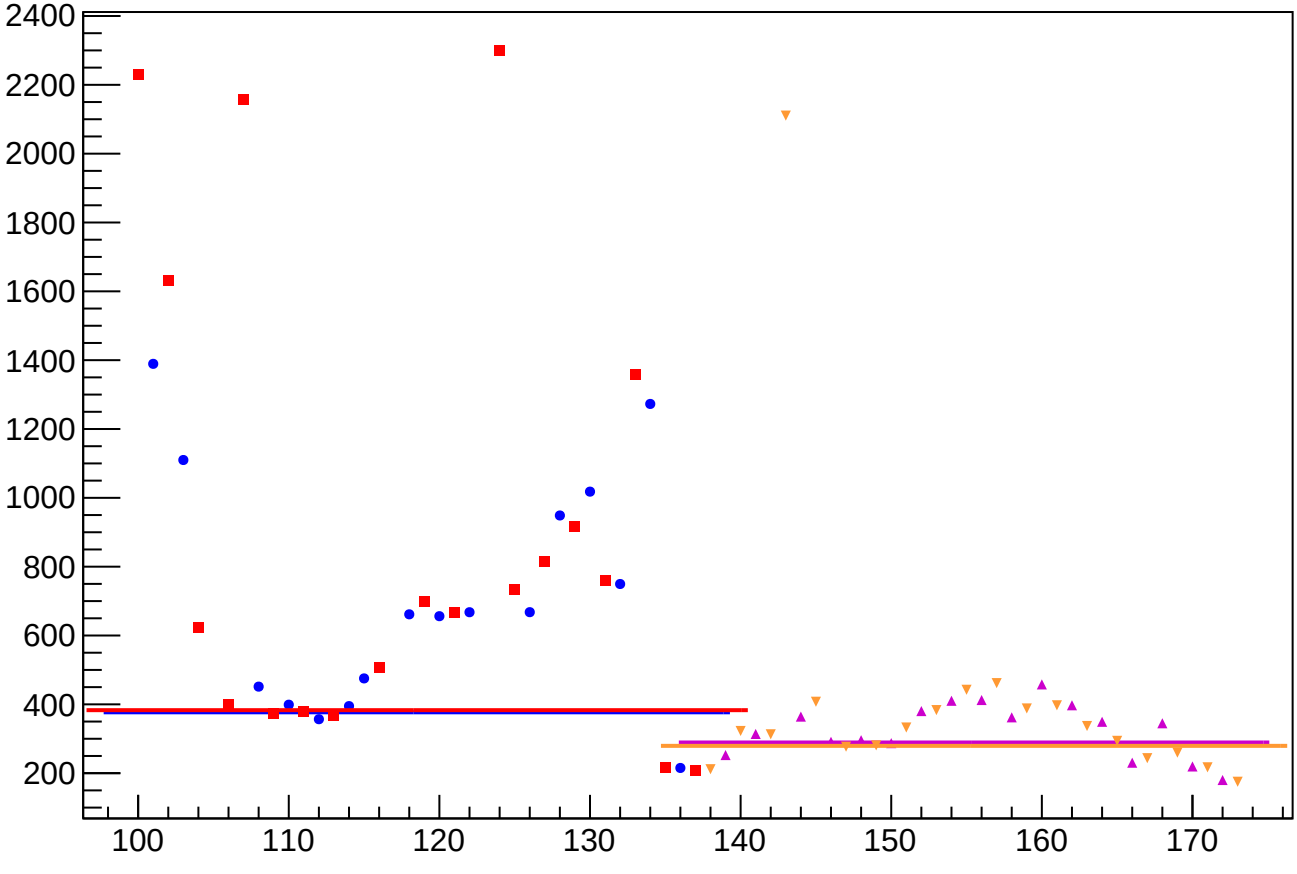
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 20.796+/-72.444 χ^2/NDF:36.6/32

Out: -142.096+/-69.959 χ^2/NDF:58.0/37

All: -63.492+/-50.324 χ^2/NDF: 97.2/70

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: 279.401+/-0.054 χ^2/NDF:3269761.7/18

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 289.152+/-0.057 χ^2/NDF:1840420.2/16

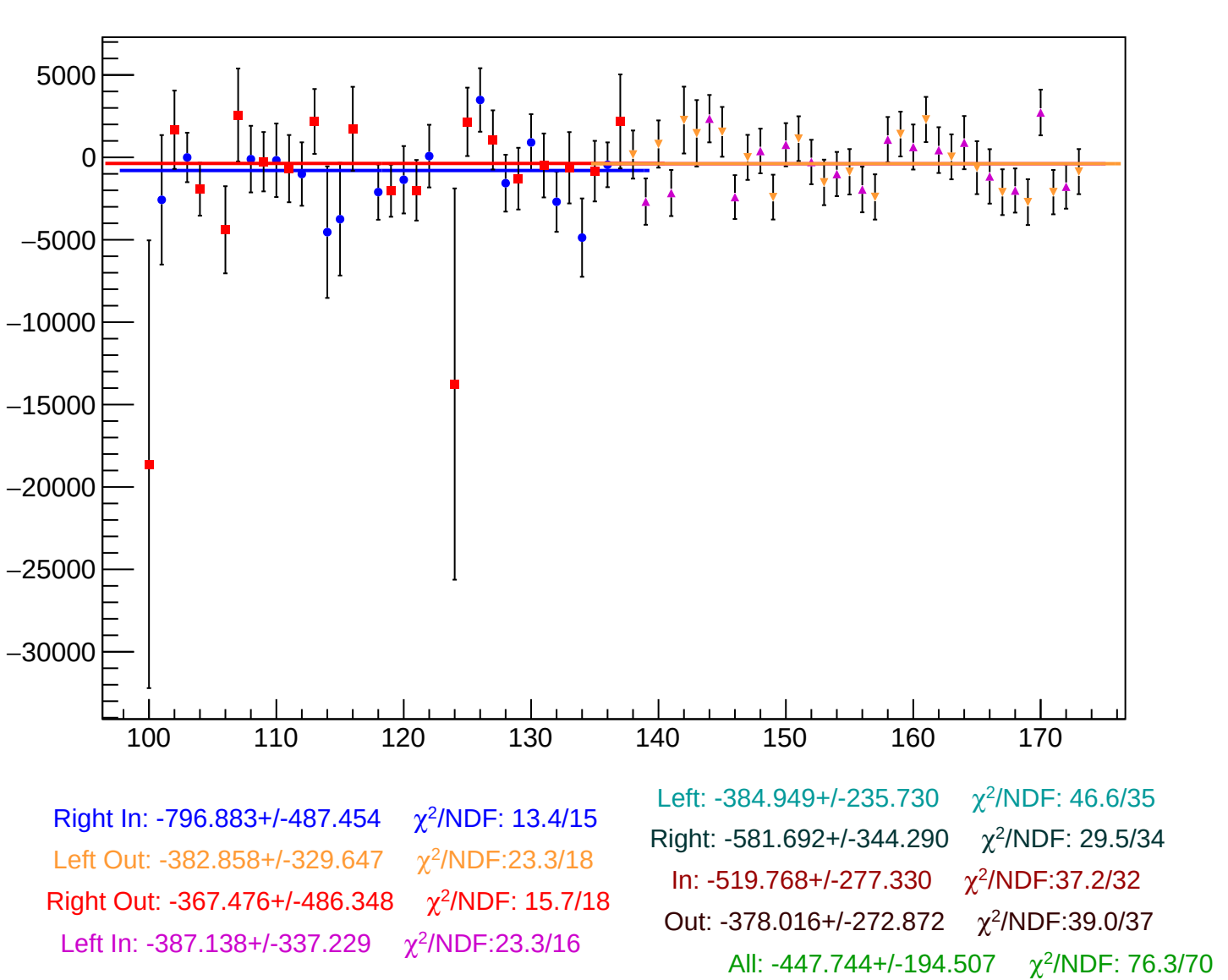
Left: 284.061+/-0.039 χ^2/NDF: 5125592.3/35

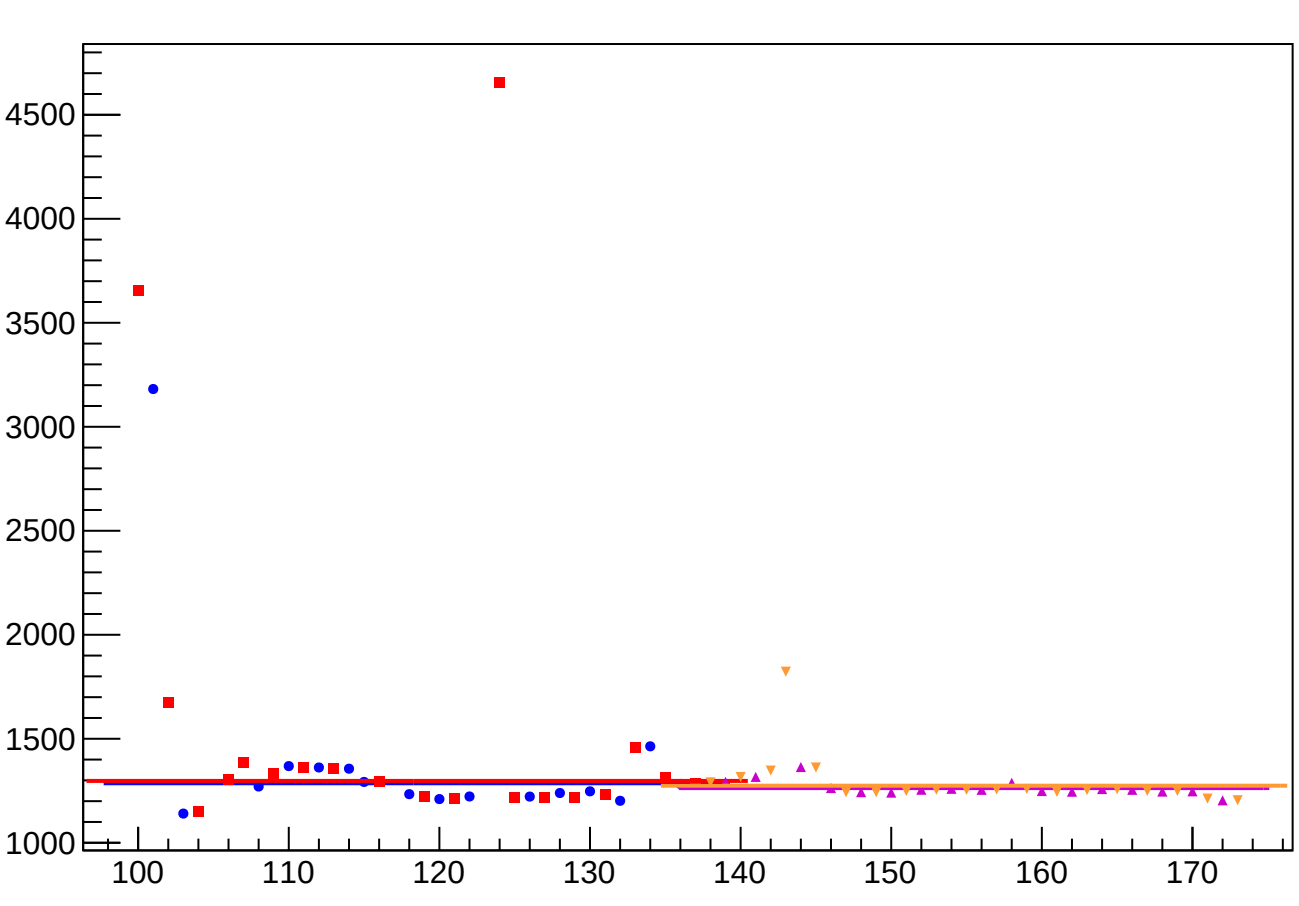
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 305.428+/-0.051 χ^2/NDF:6473865.8/32

Out: 297.046+/-0.049 χ^2/NDF:7944194.1/37

All: 301.091+/-0.036 χ^2/NDF: 14431913.5/70


cor_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
170
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -382.858+/-329.647 χ²/NDF:23.3/18
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -387.138+/-337.229 χ²/NDF:23.3/16
Left: -384.949+/-235.730 χ²/NDF: 46.6/35
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -519.768+/-277.330 χ²/NDF:37.2/32
Out: -378.016+/-272.872 χ²/NDF:39.0/37
All: -447.744+/-194.507 χ²/NDF: 76.3/70



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1274.426+/-0.233 χ^2/NDF:175551.3/18

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1262.895+/-0.238 χ^2/NDF:20654.5/16

Left: 1268.792+/-0.167 χ^2/NDF: 197401.4/35

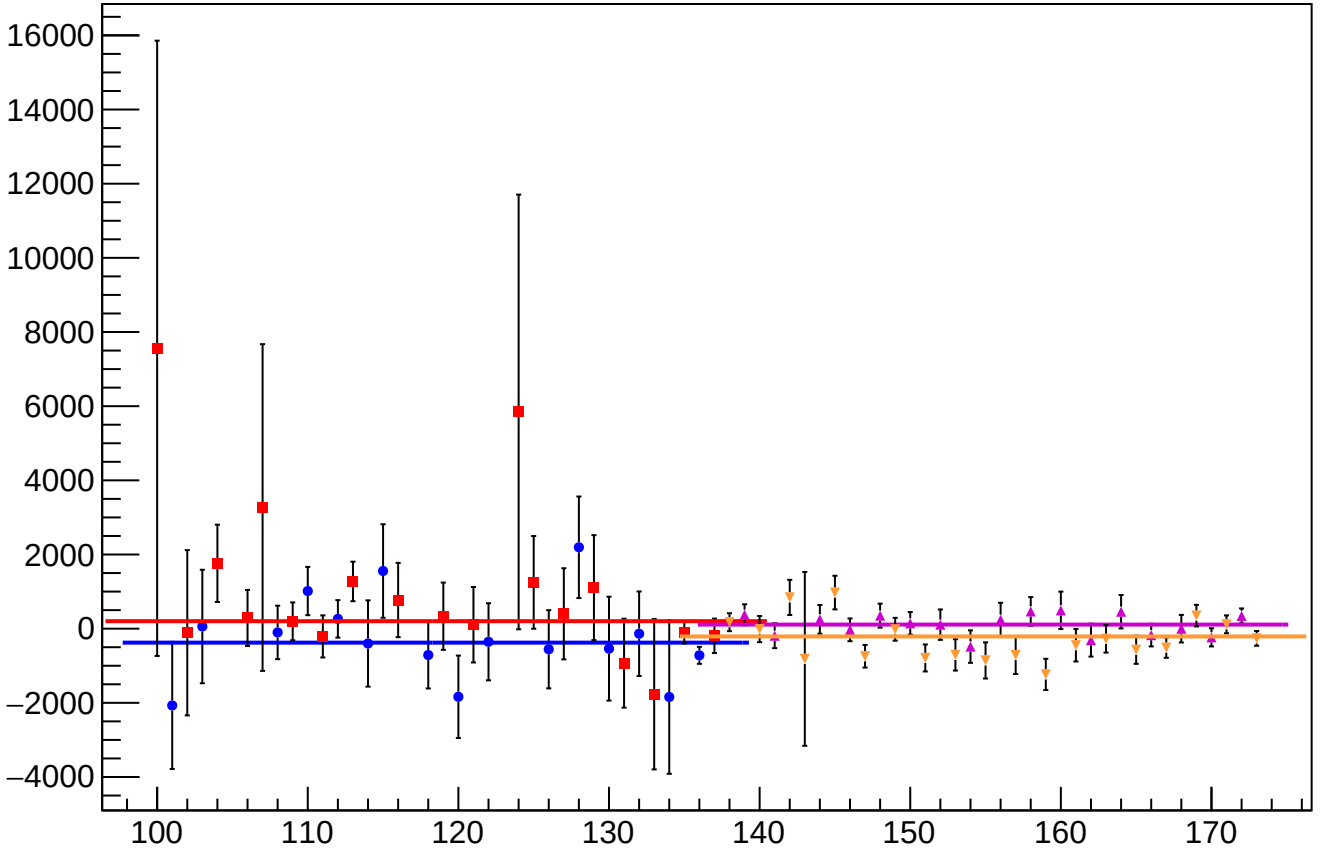
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1270.406+/-0.196 χ^2/NDF:541847.2/32

Out: 1281.656+/-0.193 χ^2/NDF:506349.4/37

All: 1276.122+/-0.138 χ^2/NDF: 1049868.9/70

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: -209.973+/-76.802 χ^2/NDF:38.7/18

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 110.366+/-80.271 χ^2/NDF:11.7/16

Left: -56.876+/-55.493 χ^2/NDF: 58.8/35

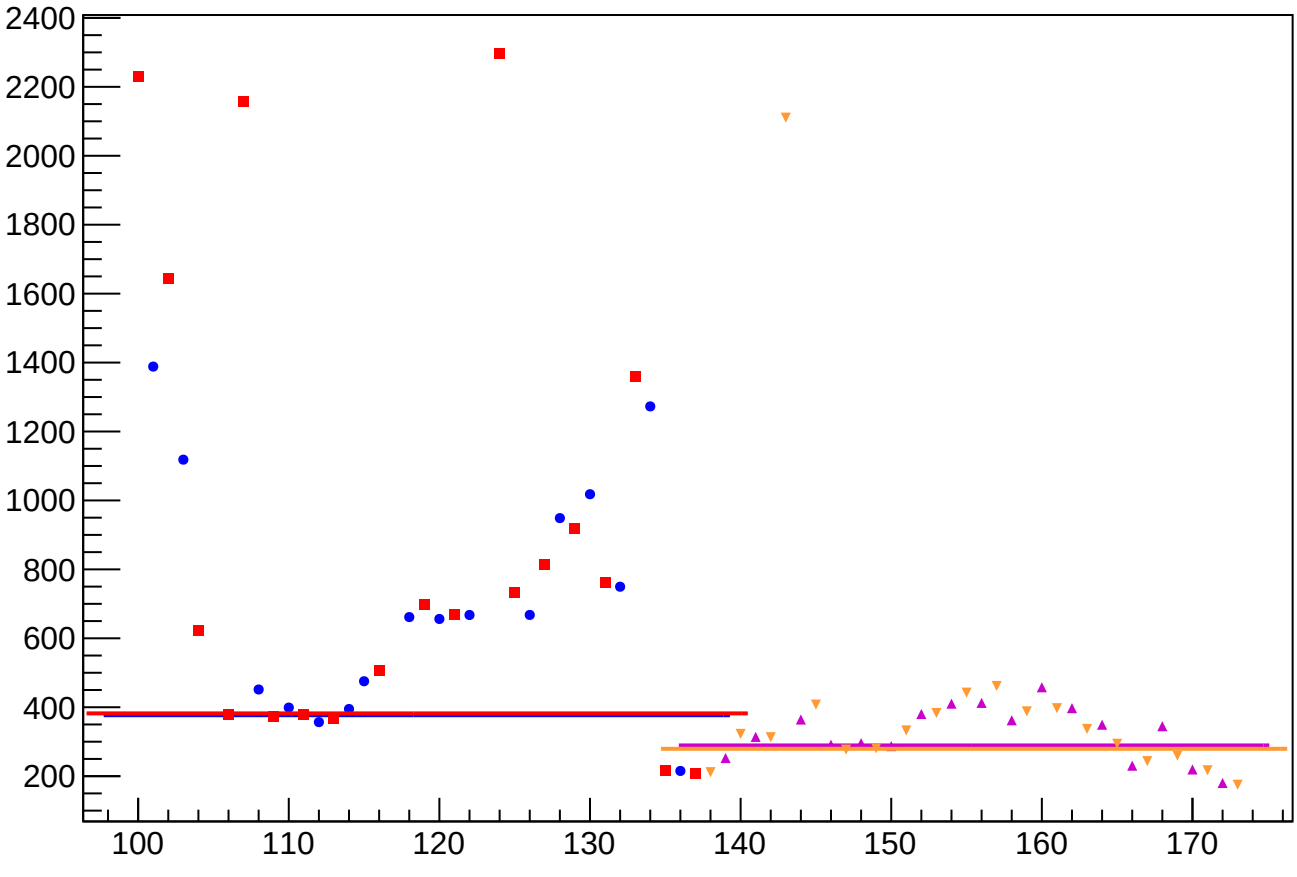
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 20.019+/-72.446 χ^2/NDF:36.5/32

Out: -139.690+/-69.947 χ^2/NDF:57.7/37

All: -62.637+/-50.320 χ^2/NDF: 96.7/70

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: 279.410+/-0.054 χ^2/NDF:3269537.0/18

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 289.154+/-0.057 χ^2/NDF:1840467.2/16

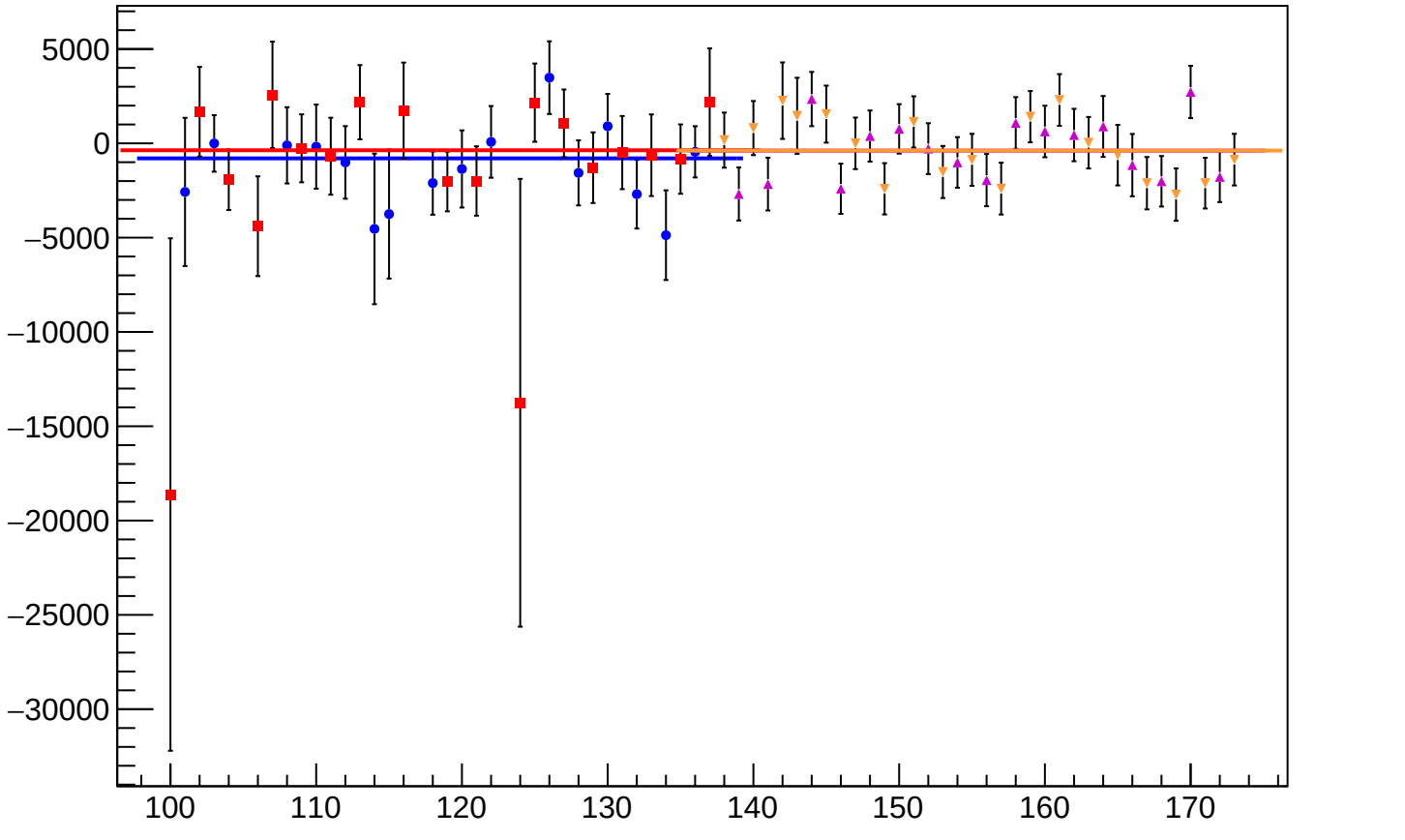
Left: 284.067+/-0.039 χ^2/NDF: 5125388.9/35

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 305.425+/-0.051 χ^2/NDF:6476857.1/32

Out: 296.929+/-0.049 χ^2/NDF:7939338.5/37

All: 301.028+/-0.036 χ^2/NDF: 14430429.4/70



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -382.858+/-329.647 χ^2/NDF:23.3/18

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -387.138+/-337.229 χ^2/NDF:23.3/16

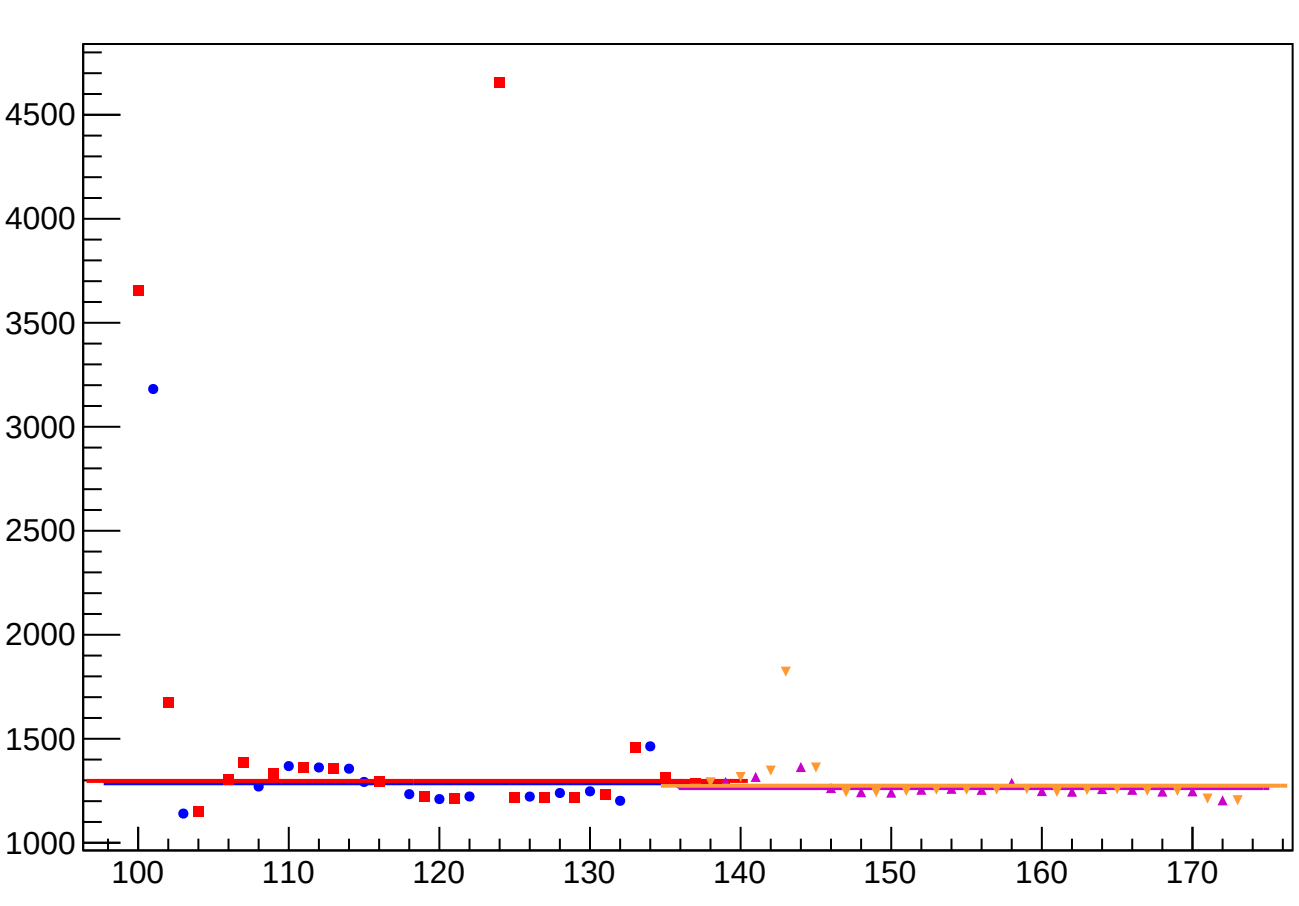
Left: -384.949+/-235.730 χ^2/NDF: 46.6/35

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -519.768+/-277.330 χ^2/NDF:37.2/32

Out: -378.016+/-272.872 χ^2/NDF:39.0/37

All: -447.744+/-194.507 χ^2/NDF: 76.3/70



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1274.426+/-0.233 χ^2/NDF:175551.3/18

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1262.895+/-0.238 χ^2/NDF:20654.5/16

Left: 1268.792+/-0.167 χ^2/NDF: 197401.4/35

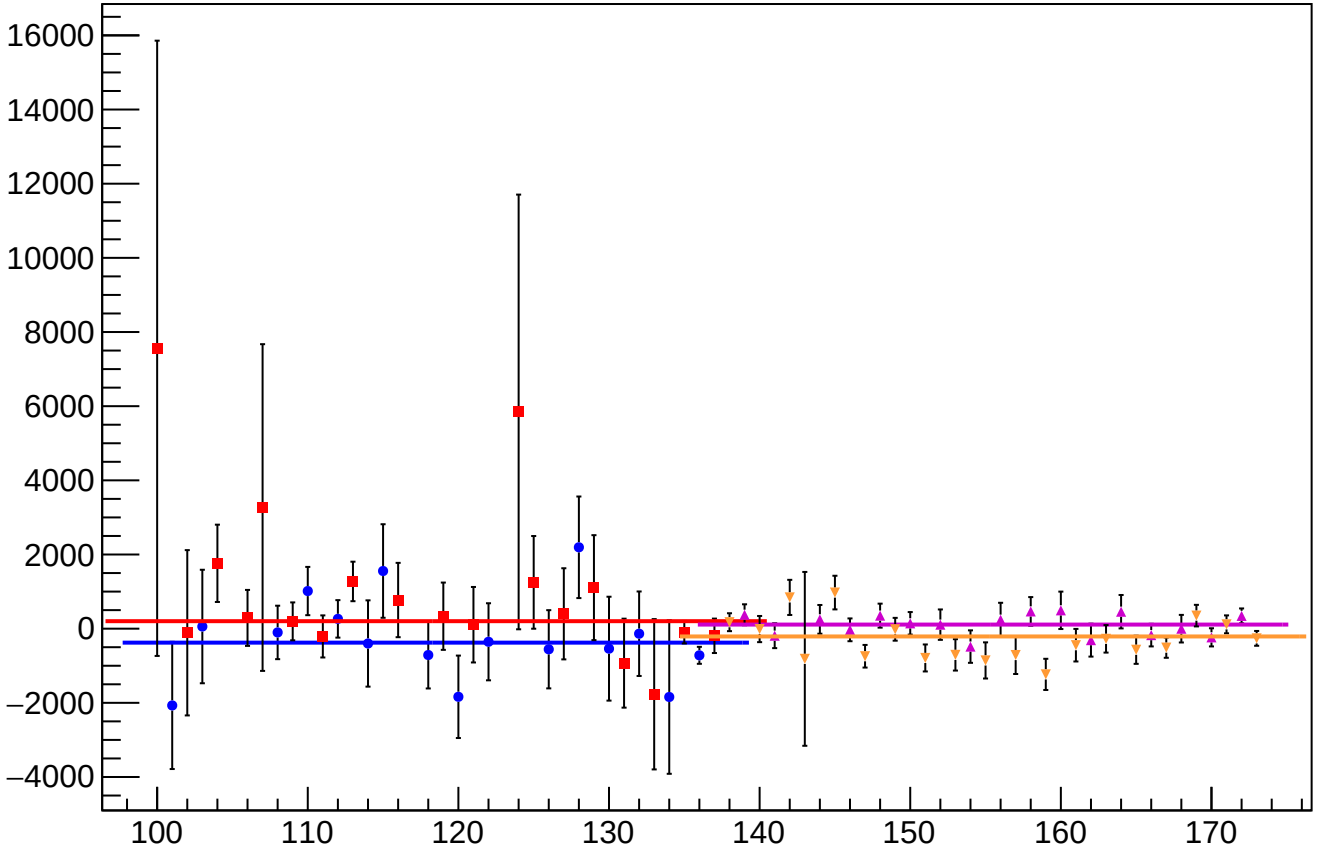
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1270.406+/-0.196 χ^2/NDF:541847.2/32

Out: 1281.656+/-0.193 χ^2/NDF:506349.4/37

All: 1276.122+/-0.138 χ^2/NDF: 1049868.9/70

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: -209.973+/-76.802 χ^2/NDF:38.7/18

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 110.366+/-80.271 χ^2/NDF:11.7/16

Left: -56.876+/-55.493 χ^2/NDF: 58.8/35

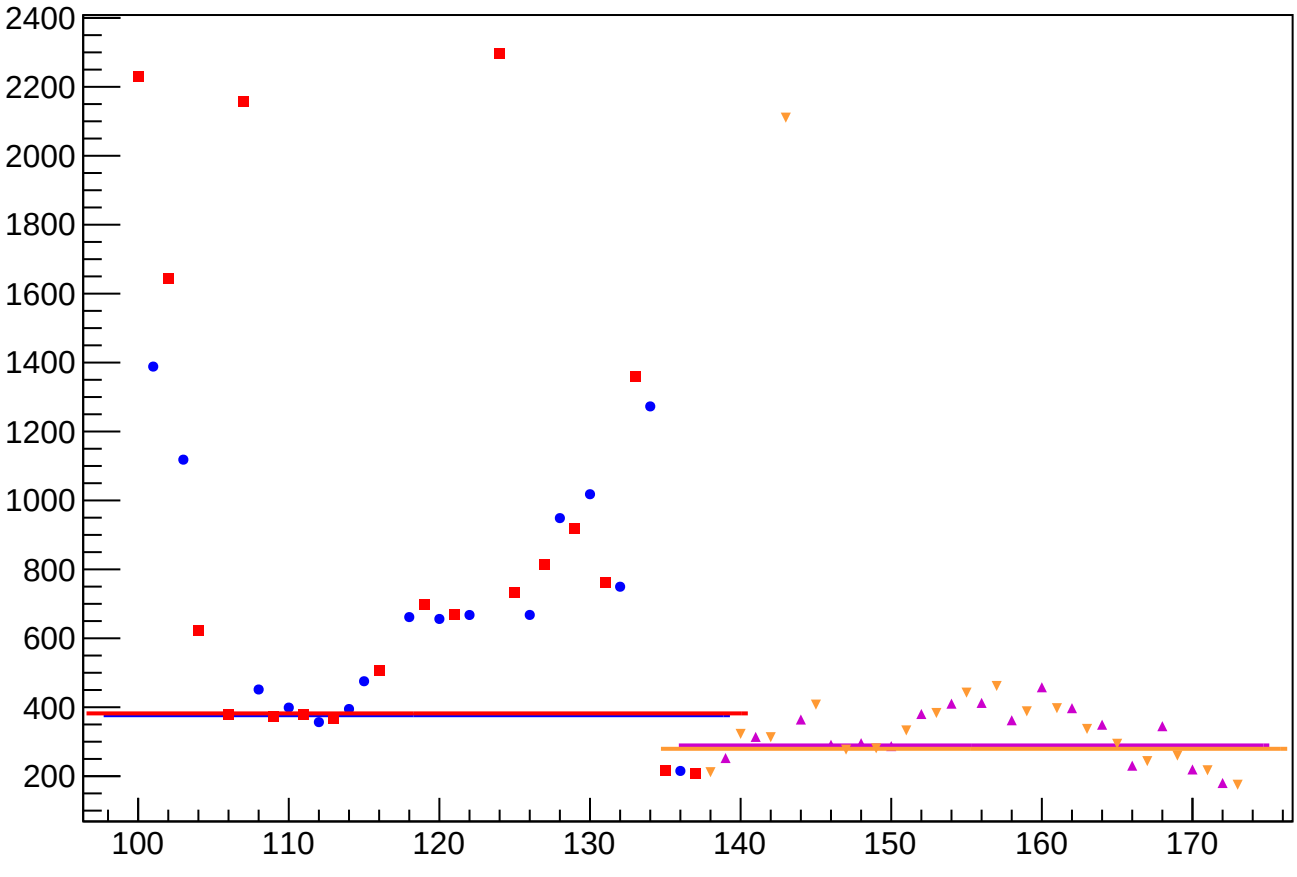
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 20.019+/-72.446 χ^2/NDF:36.5/32

Out: -139.690+/-69.947 χ^2/NDF:57.7/37

All: -62.637+/-50.320 χ^2/NDF: 96.7/70

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: 279.410+/-0.054 χ^2/NDF:3269537.0/18

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 289.154+/-0.057 χ^2/NDF:1840467.2/16

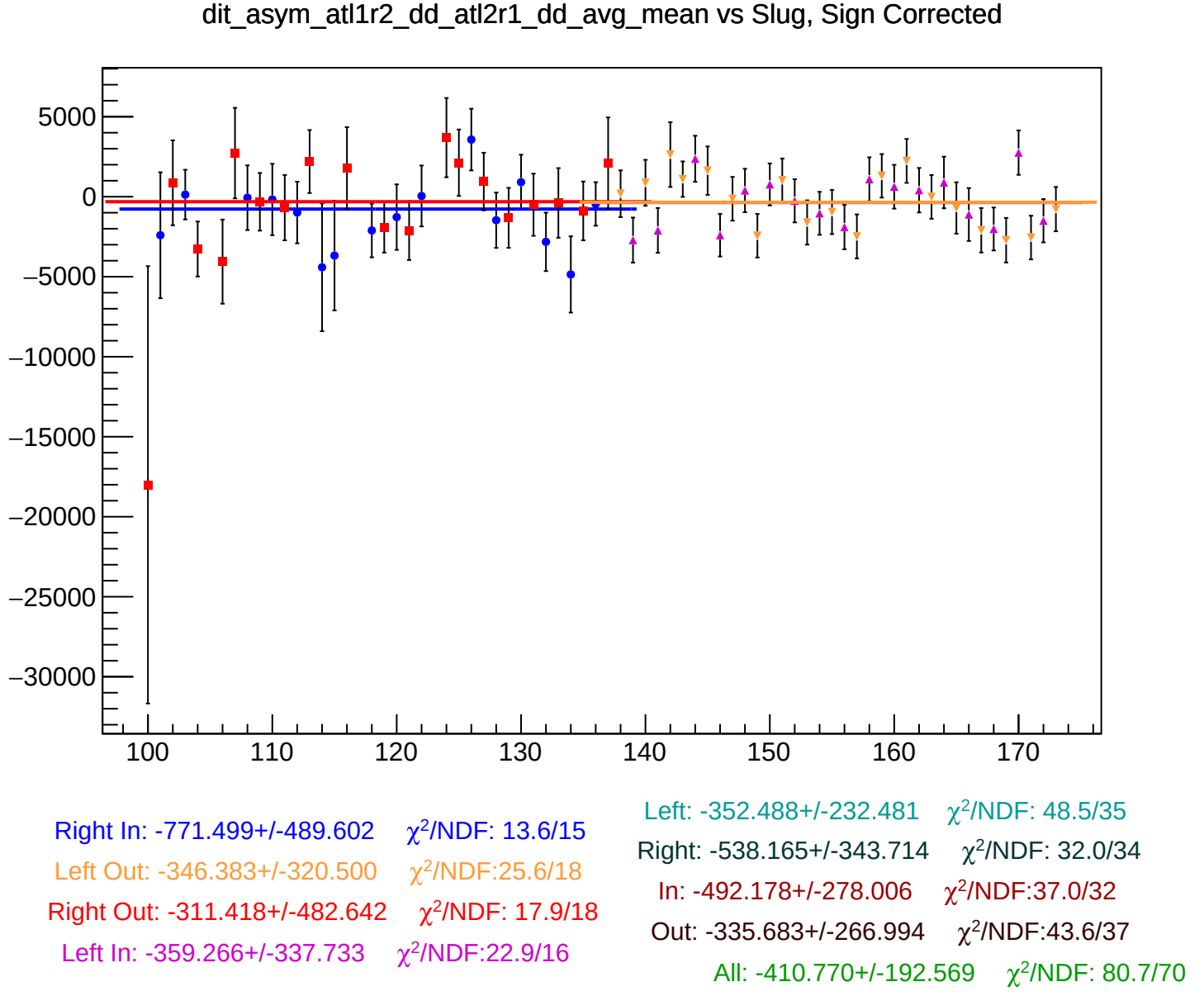
Left: 284.067+/-0.039 χ^2/NDF: 5125388.9/35

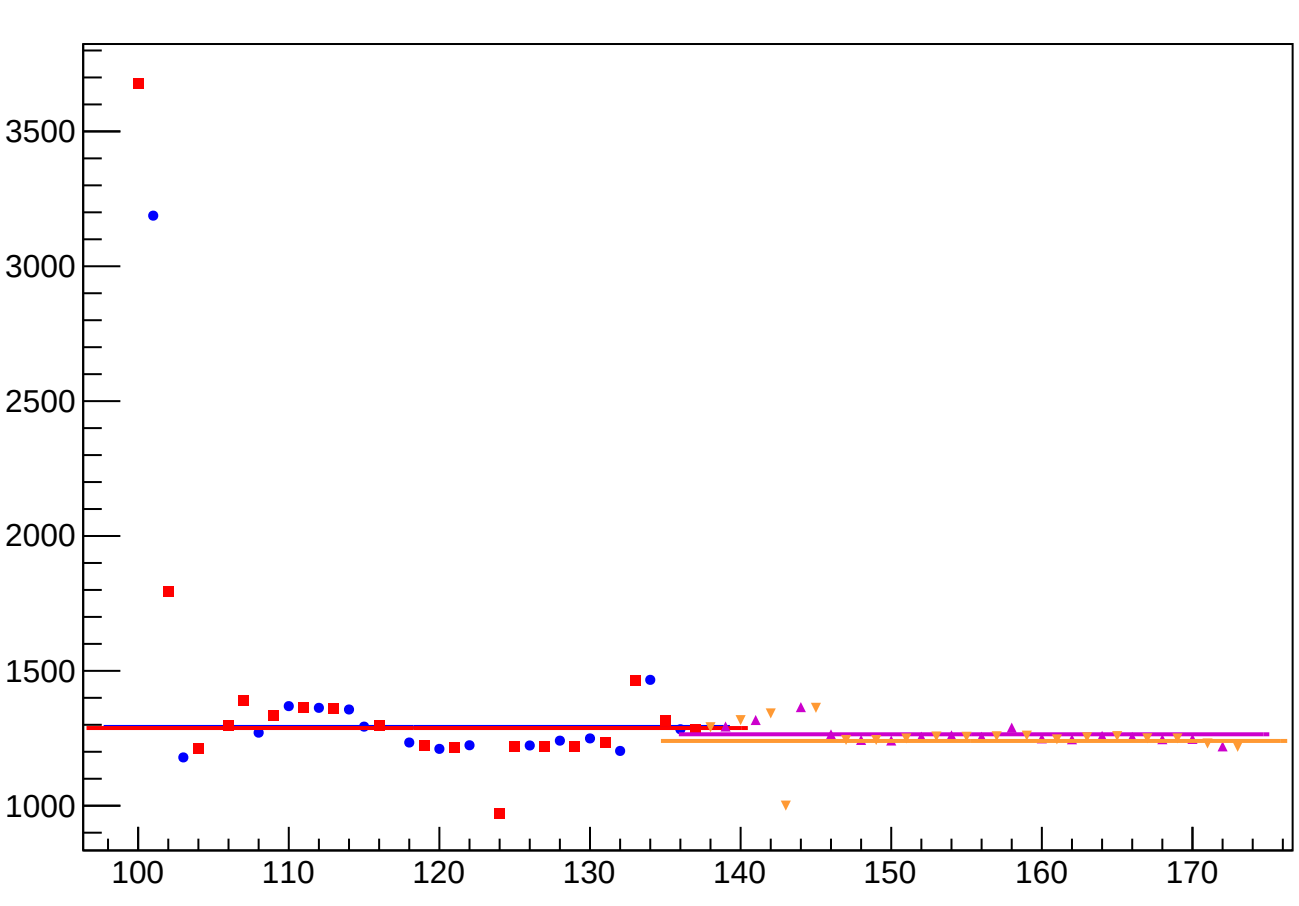
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 305.425+/-0.051 χ^2/NDF:6476857.1/32

Out: 296.929+/-0.049 χ^2/NDF:7939338.5/37

All: 301.028+/-0.036 χ^2/NDF: 14430429.4/70


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
170
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: -346.383+/-320.500 χ²/NDF:25.6/18
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -359.266+/-337.733 χ²/NDF:22.9/16
Left: -352.488+/-232.481 χ²/NDF: 48.5/35
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -492.178+/-278.006 χ²/NDF:37.0/32
Out: -335.683+/-266.994 χ²/NDF:43.6/37
All: -410.770+/-192.569 χ²/NDF: 80.7/70



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1240.137+/-0.227 χ^2/NDF:122947.8/18

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1264.819+/-0.239 χ^2/NDF:18986.3/16

Left: 1251.832+/-0.164 χ^2/NDF: 147554.2/35

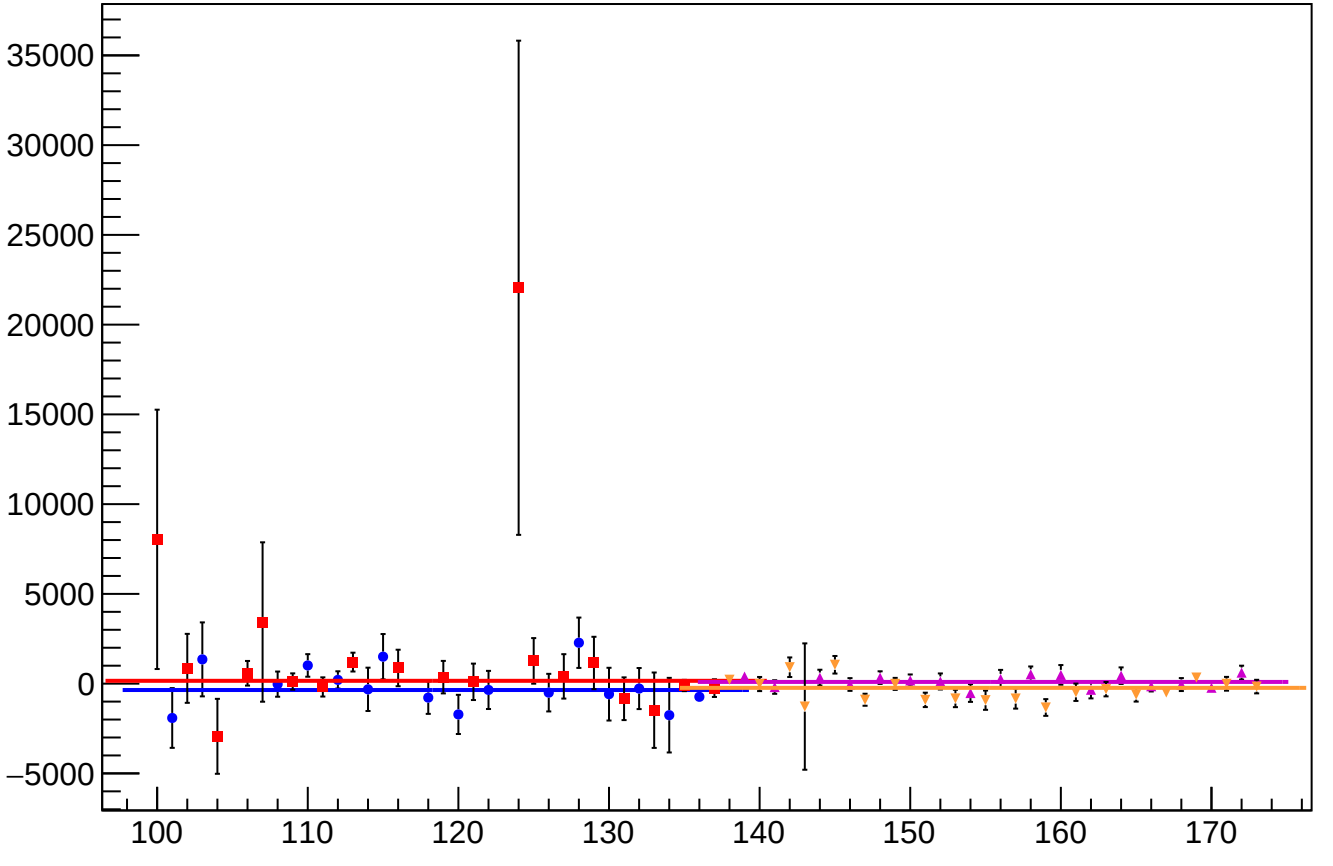
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1273.595+/-0.197 χ^2/NDF:532580.9/32

Out: 1254.781+/-0.189 χ^2/NDF:345799.5/37

All: 1263.808+/-0.136 χ^2/NDF: 883145.3/70

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -234.611+/-88.044 χ^2/NDF:38.9/18

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 95.298+/-89.343 χ^2/NDF:11.8/16

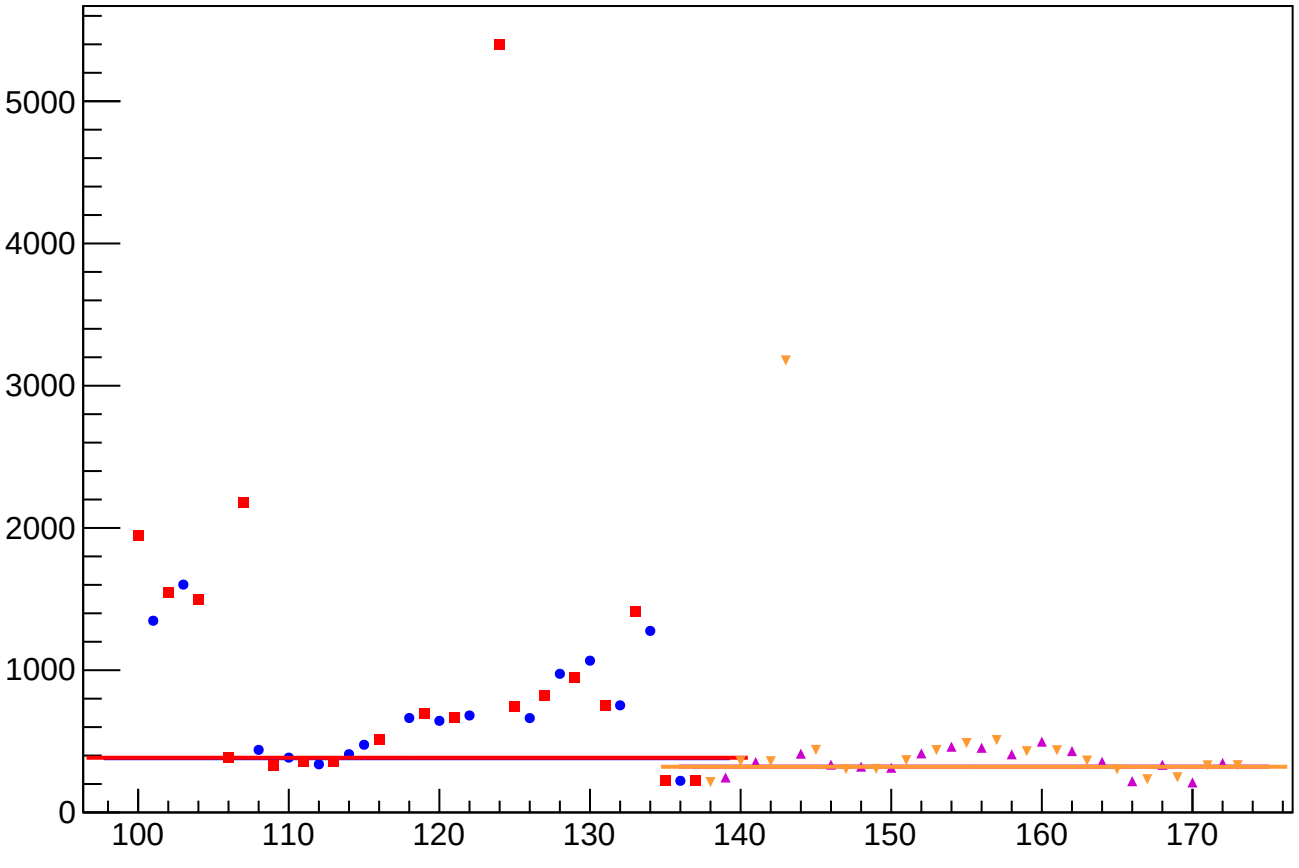
Left: -72.072+/-62.711 χ^2/NDF: 57.7/35

Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -2.233+/-79.084 χ^2/NDF:35.8/32

Out: -151.332+/-78.149 χ^2/NDF:59.0/37

All: -77.669+/-55.587 χ^2/NDF: 96.6/70



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 321.261+/-0.062 χ^2/NDF:3046274.4/18

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 322.489+/-0.063 χ^2/NDF:1748900.6/16

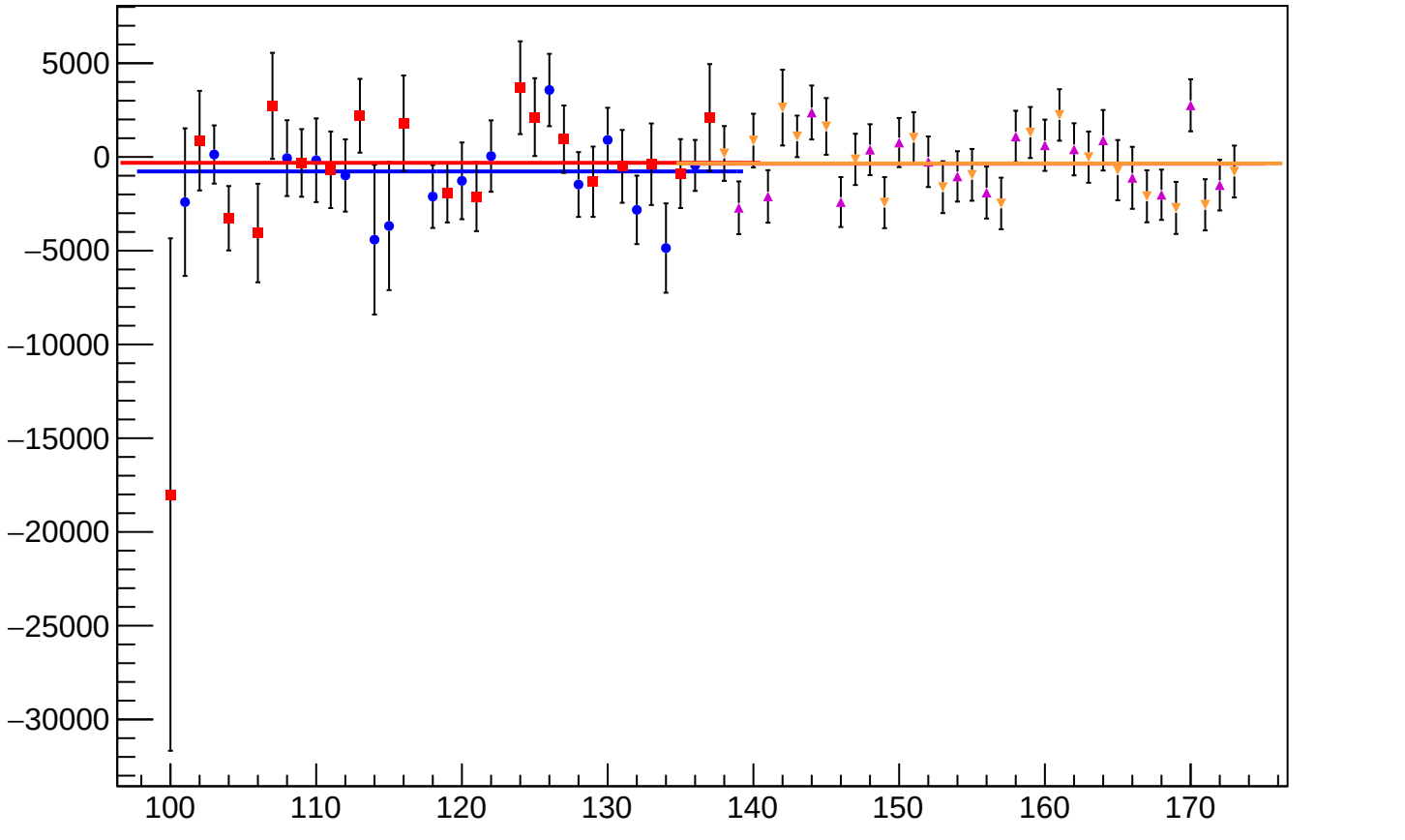
Left: 321.866+/-0.044 χ^2/NDF: 4795366.7/35

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 335.231+/-0.056 χ^2/NDF:6254743.0/32

Out: 334.710+/-0.055 χ^2/NDF:7826432.6/37

All: 334.967+/-0.039 χ^2/NDF: 14081219.6/70



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -346.382+/-320.500 χ^2/NDF:25.6/18

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -359.267+/-337.733 χ^2/NDF:22.9/16

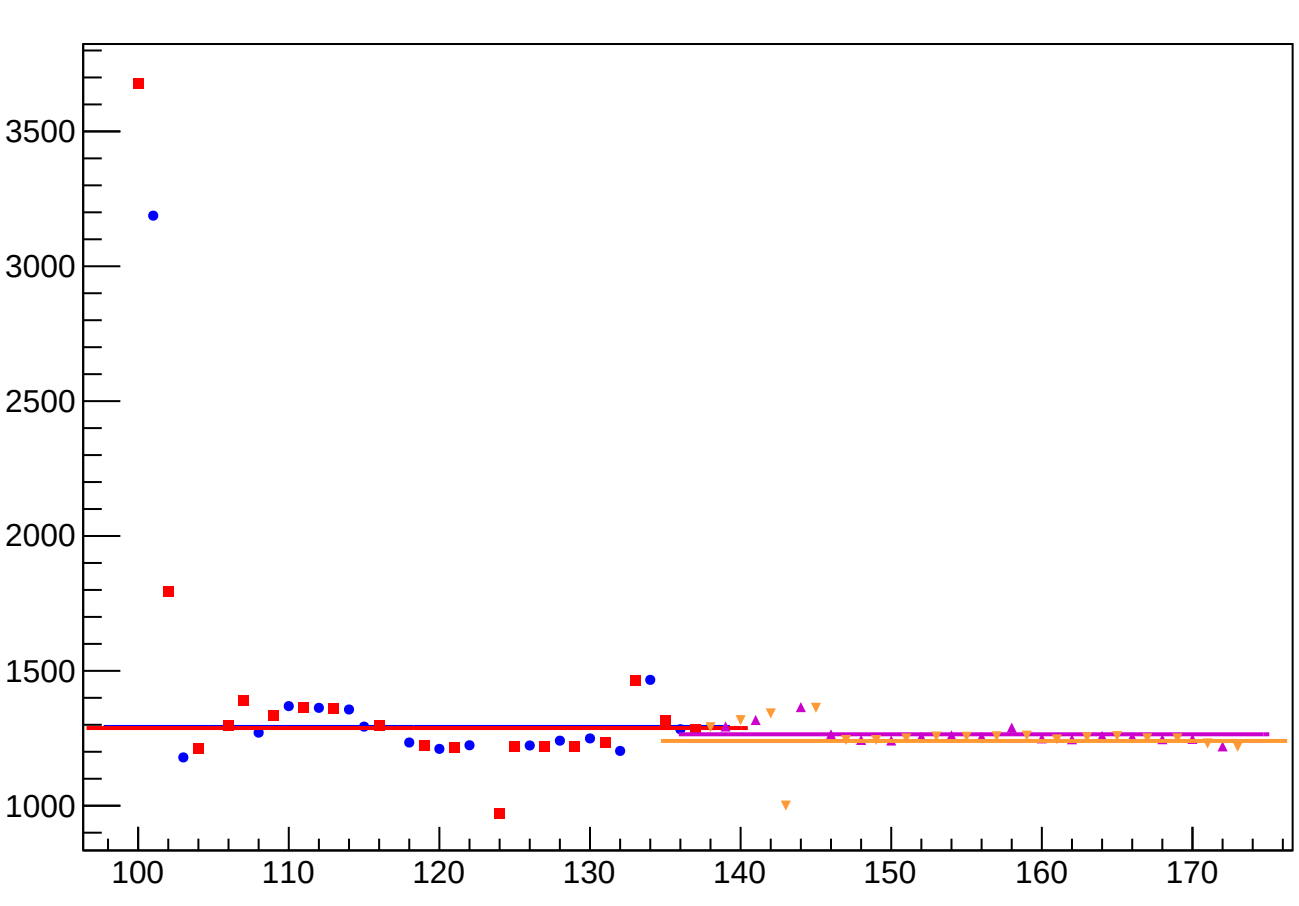
Left: -352.488+/-232.481 χ^2/NDF: 48.5/35

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -492.179+/-278.006 χ^2/NDF:37.0/32

Out: -335.683+/-266.994 χ^2/NDF:43.6/37

All: -410.770+/-192.569 χ^2/NDF: 80.7/70



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1240.137+/-0.227 χ^2/NDF:122947.0/18

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1264.819+/-0.239 χ^2/NDF:18986.4/16

Left: 1251.832+/-0.164 χ^2/NDF: 147553.5/35

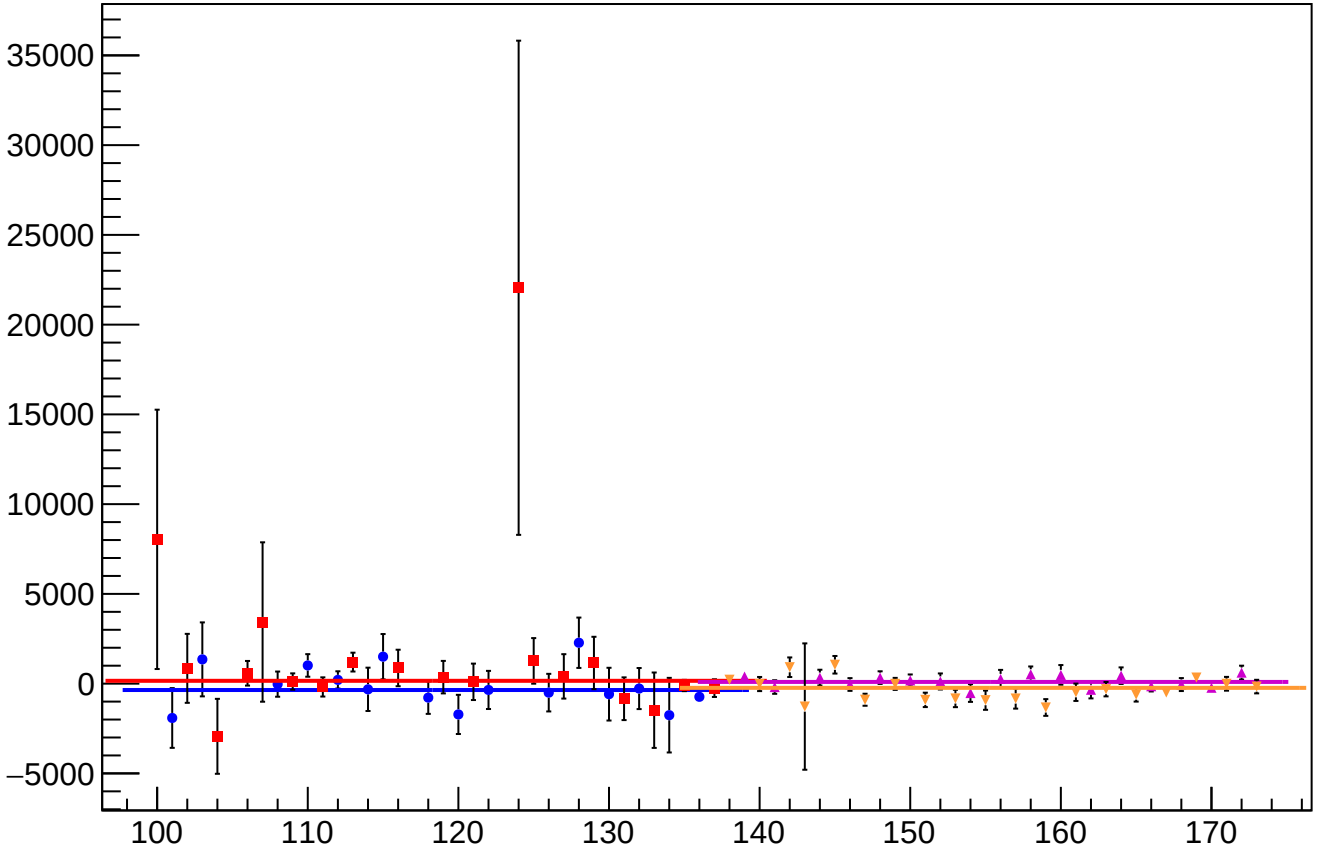
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1273.595+/-0.197 χ^2/NDF:532581.1/32

Out: 1254.781+/-0.189 χ^2/NDF:345799.0/37

All: 1263.808+/-0.136 χ^2/NDF: 883144.9/70

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: -234.618+/-88.045 χ^2/NDF:38.9/18

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 95.296+/-89.344 χ^2/NDF:11.8/16

Left: -72.077+/-62.711 χ^2/NDF: 57.7/35

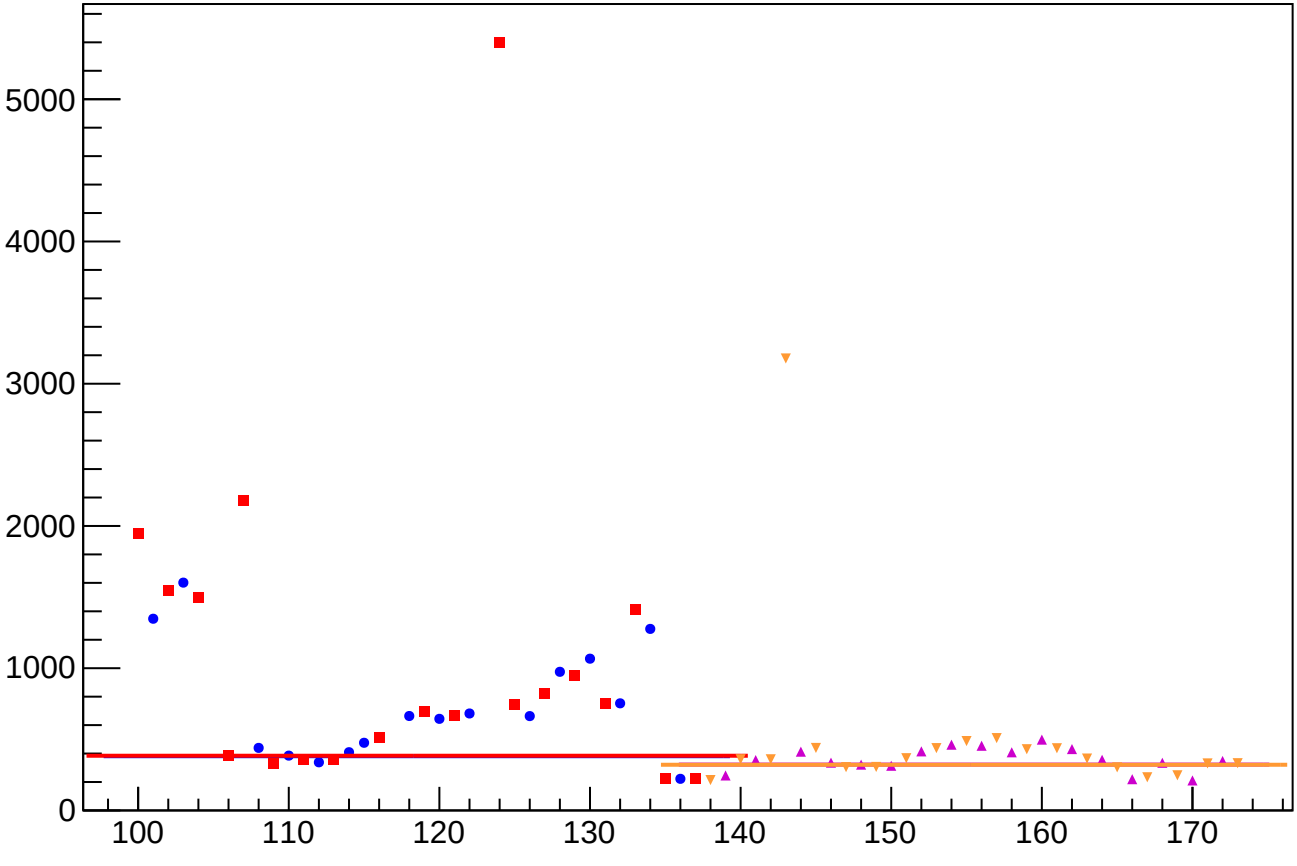
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -2.232+/-79.084 χ^2/NDF:35.8/32

Out: -151.337+/-78.149 χ^2/NDF:59.0/37

All: -77.671+/-55.587 χ^2/NDF: 96.6/70

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: 321.264+/-0.062 χ^2/NDF:3046148.3/18

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 322.490+/-0.063 χ^2/NDF:1748838.0/16

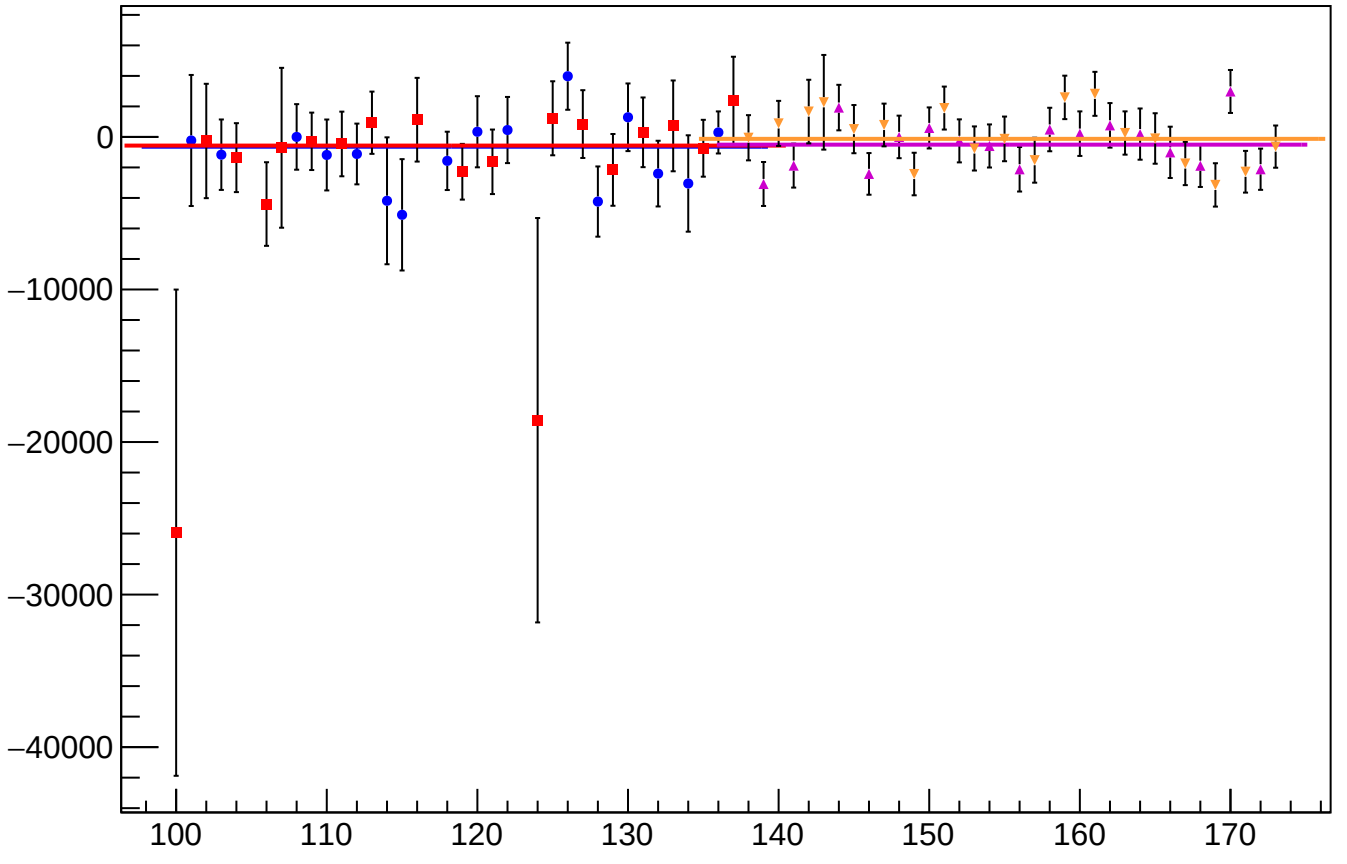
Left: 321.868+/-0.044 χ^2/NDF: 4795177.6/35

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 335.234+/-0.056 χ^2/NDF:6254544.8/32

Out: 334.713+/-0.055 χ^2/NDF:7826197.7/37

All: 334.971+/-0.039 χ^2/NDF: 14080786.4/70



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -125.697+/-343.650 χ^2/NDF:24.6/18

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -506.572+/-349.291 χ^2/NDF:21.1/16

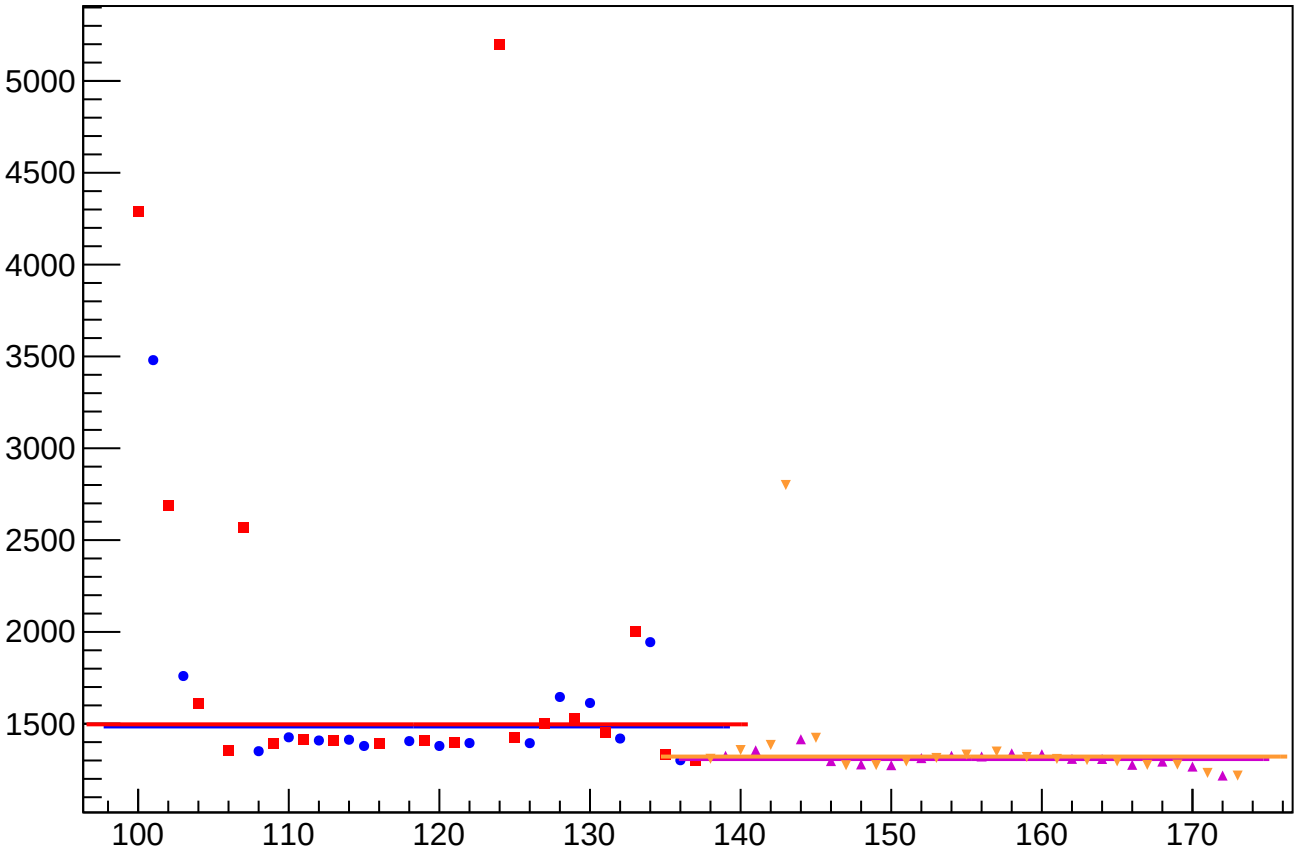
Left: -313.034+/-244.967 χ^2/NDF: 46.3/35

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -543.754+/-297.008 χ^2/NDF:33.6/32

Out: -244.391+/-293.854 χ^2/NDF:36.4/37

All: -392.475+/-208.893 χ^2/NDF: 70.5/70



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1321.317+/-0.243 χ^2/NDF:496388.0/18

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1307.845+/-0.247 χ^2/NDF:28689.9/16

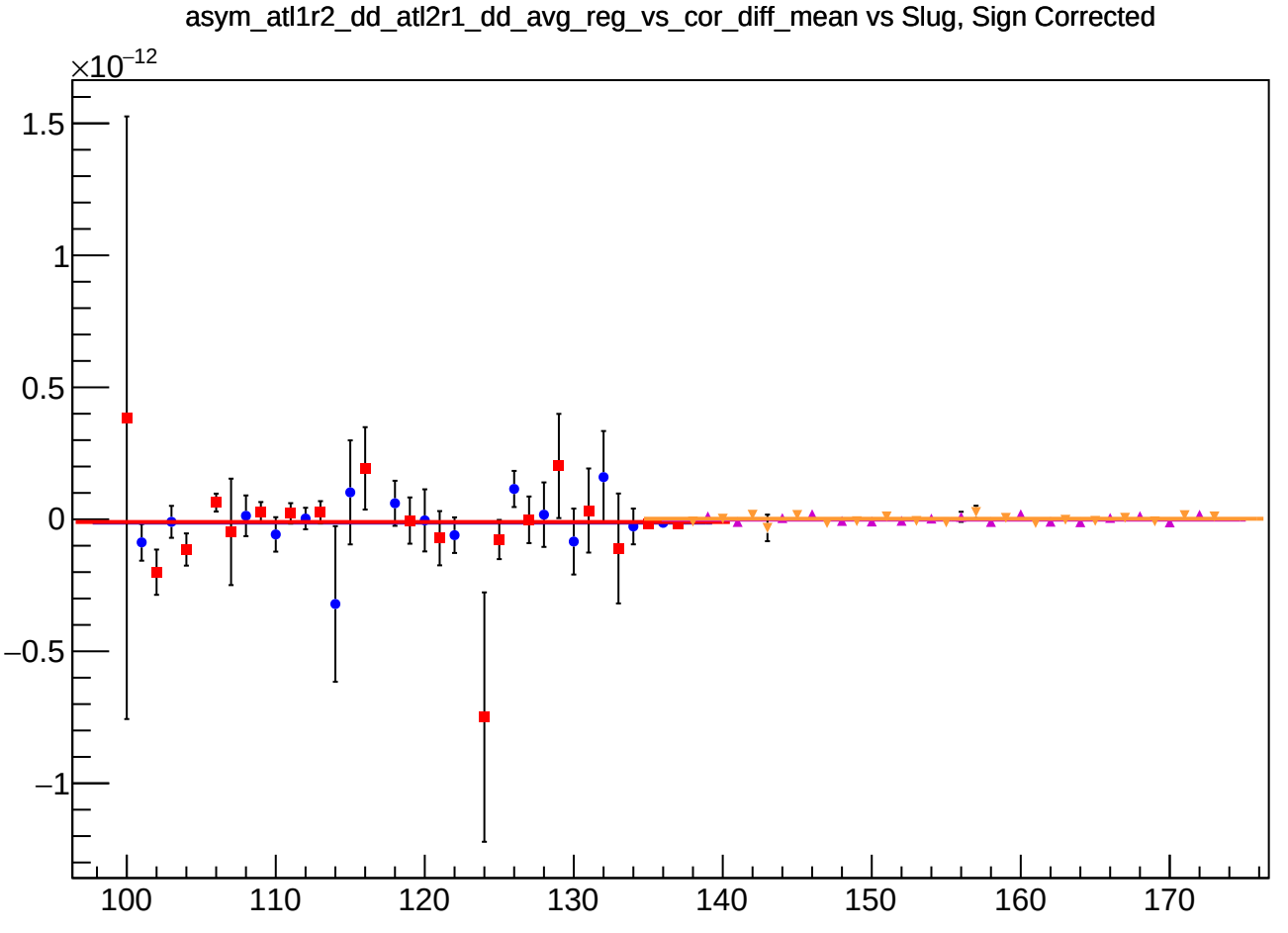
Left: 1314.690+/-0.173 χ^2/NDF: 526589.7/35

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1357.012+/-0.210 χ^2/NDF:756245.0/32

Out: 1368.506+/-0.208 χ^2/NDF:1259974.6/37

All: 1362.820+/-0.148 χ^2/NDF: 2017733.2/70



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:21.3/16

Left: 0.000+/-0.000 χ^2/NDF: 40.7/35

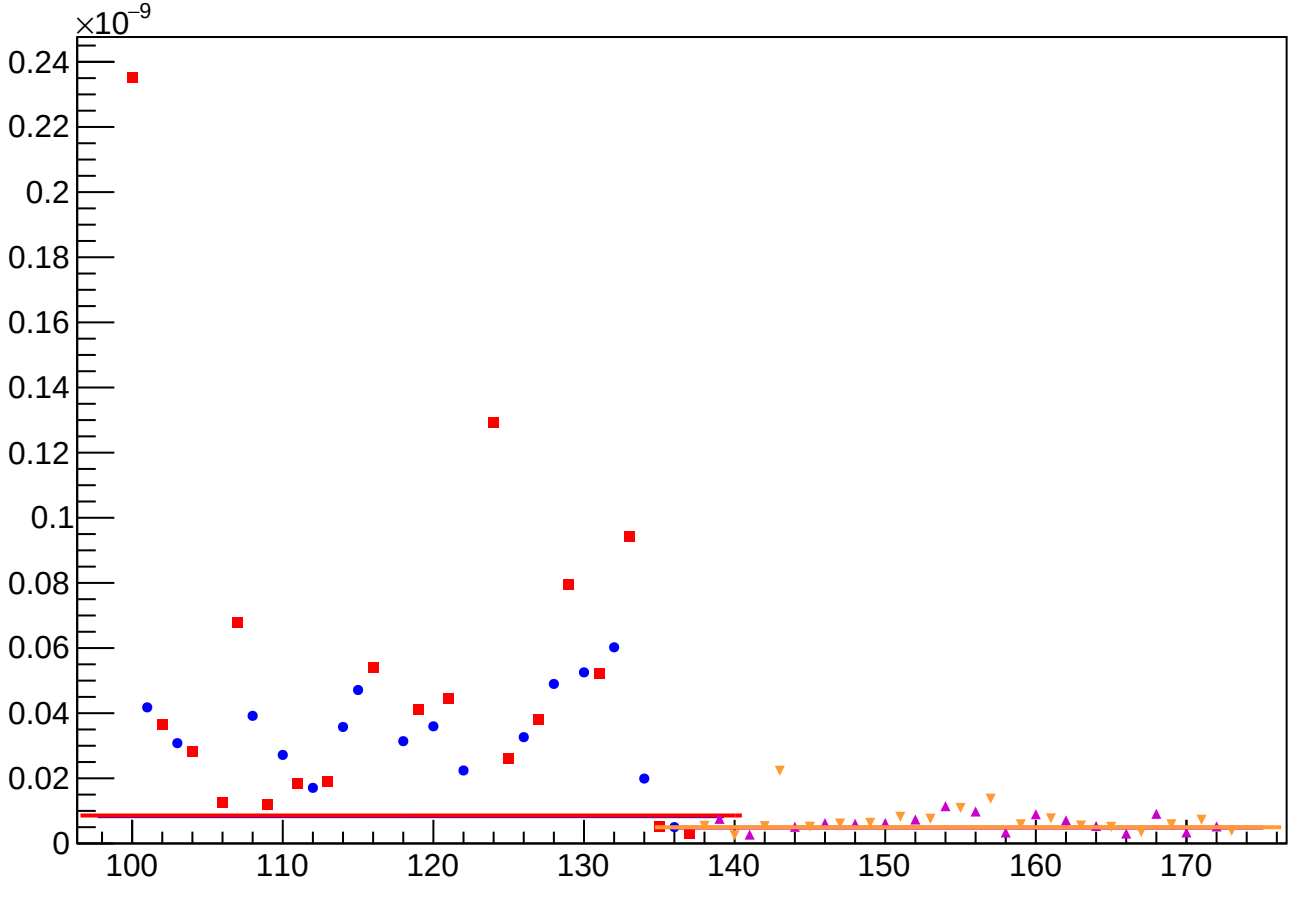
Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:32.8/32

Out: 0.000+/-0.000 χ^2/NDF:42.7/37

All: -0.000+/-0.000 χ^2/NDF: 76.8/70

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:1880418.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1690417.0/16

Left: 0.000+/-0.000 χ^2/NDF: 3573307.4/35

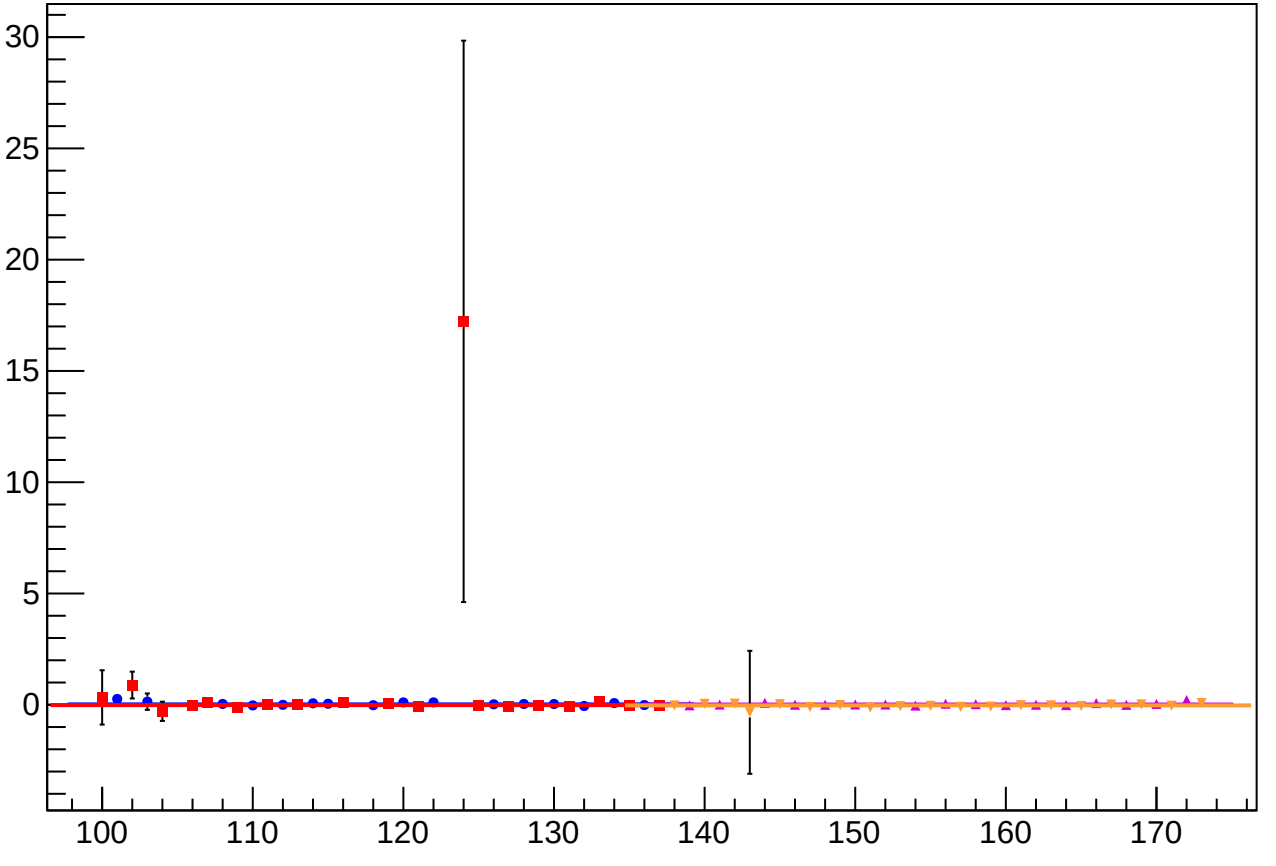
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5159830.8/32

Out: 0.000+/-0.000 χ^2/NDF:5605195.1/37

All: 0.000+/-0.000 χ^2/NDF: 10765807.7/70

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: -0.027+/-0.010 χ^2/NDF:23.7/18

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.6/16

Left: -0.008+/-0.007 χ^2/NDF: 42.5/35

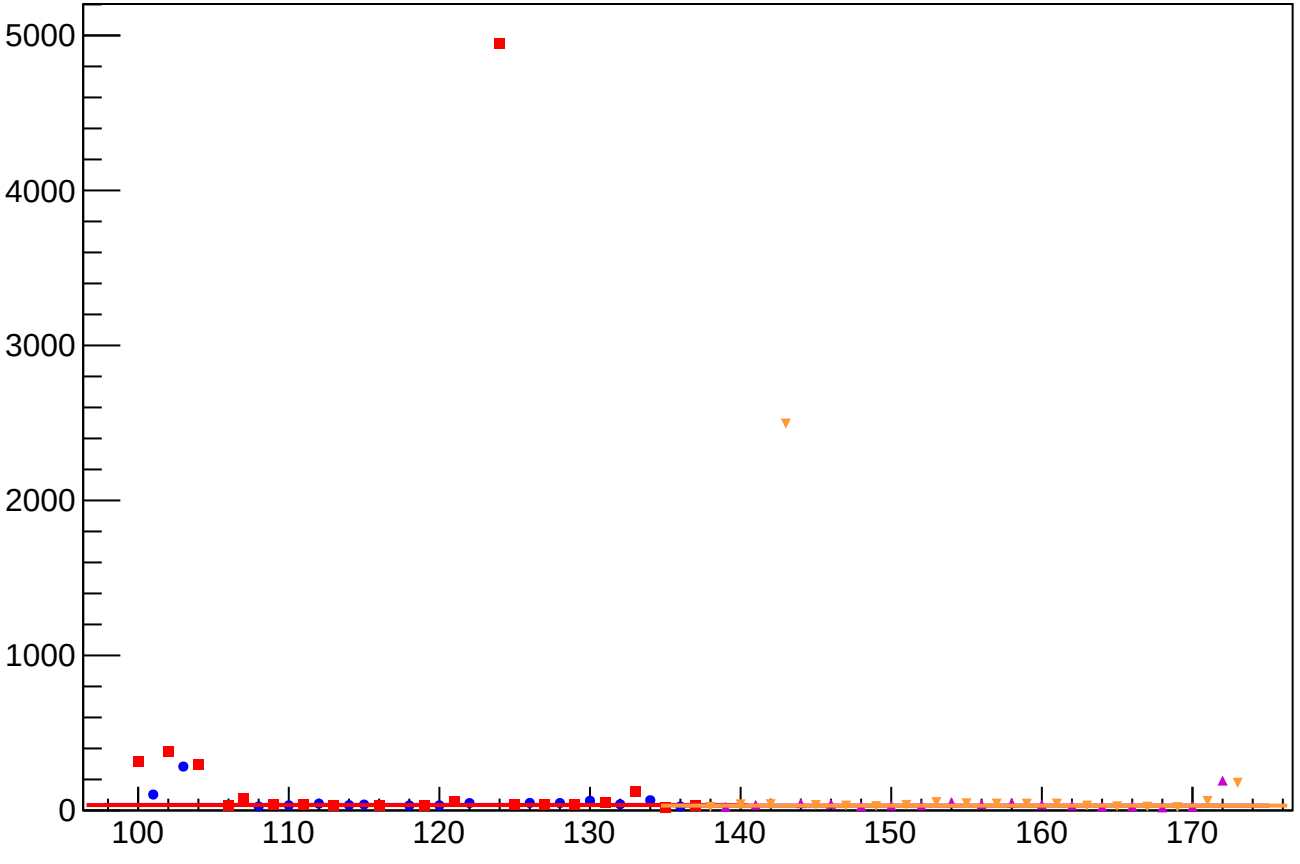
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/32

Out: -0.024+/-0.008 χ^2/NDF:40.3/37

All: -0.005+/-0.006 χ^2/NDF: 72.5/70

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: 31.370+/-0.007 χ^2/NDF:4431631.9/18

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.477+/-0.007 χ^2/NDF:2795037.4/16

Left: 31.423+/-0.005 χ^2/NDF: 7226795.1/35

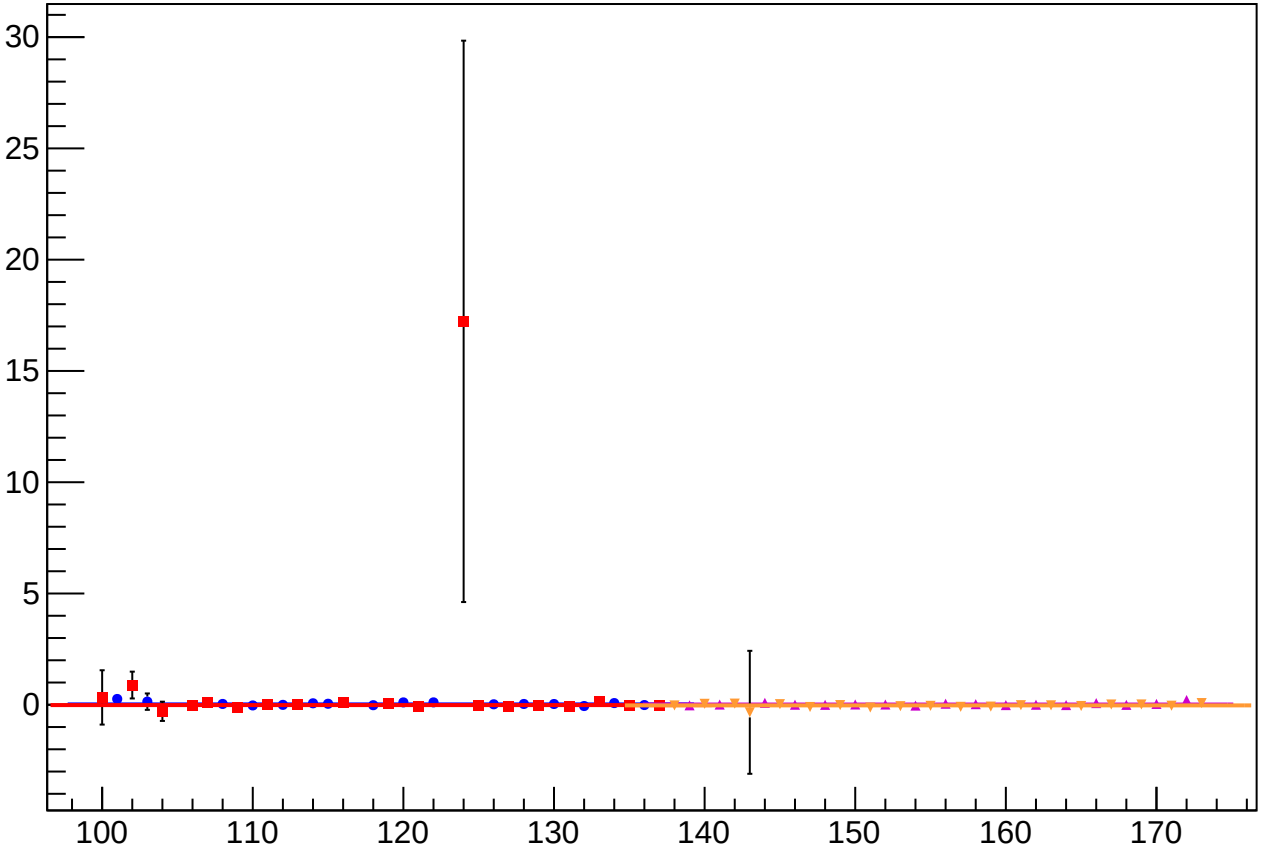
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.653+/-0.006 χ^2/NDF:5170259.7/32

Out: 32.301+/-0.006 χ^2/NDF:7415868.7/37

All: 32.478+/-0.004 χ^2/NDF: 12588000.6/70

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: -0.027+/-0.010 χ^2/NDF:23.7/18

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.6/16

Left: -0.008+/-0.007 χ^2/NDF: 42.5/35

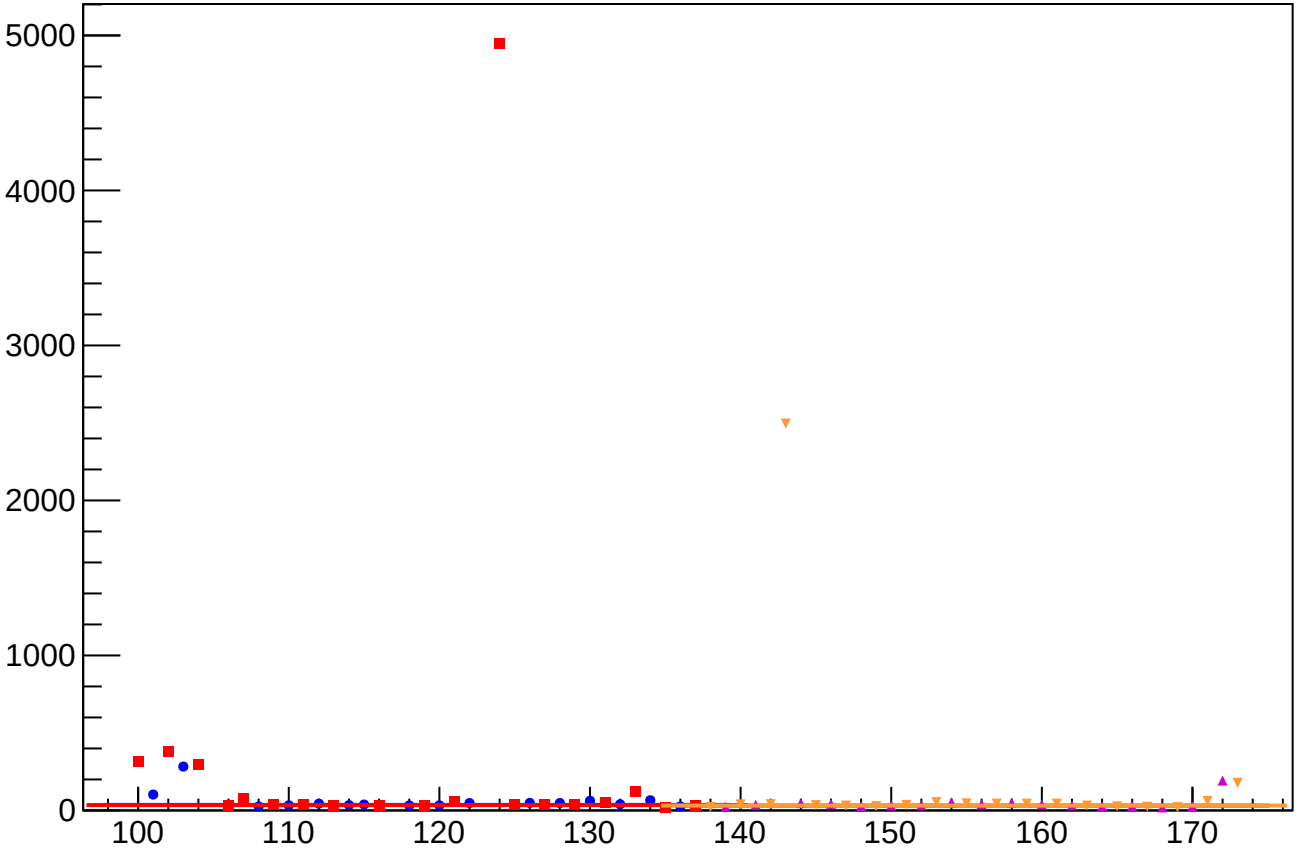
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/32

Out: -0.024+/-0.008 χ^2/NDF:40.3/37

All: -0.005+/-0.006 χ^2/NDF: 72.5/70

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: 31.370+/-0.007 χ^2/NDF:4431631.9/18

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.477+/-0.007 χ^2/NDF:2795037.4/16

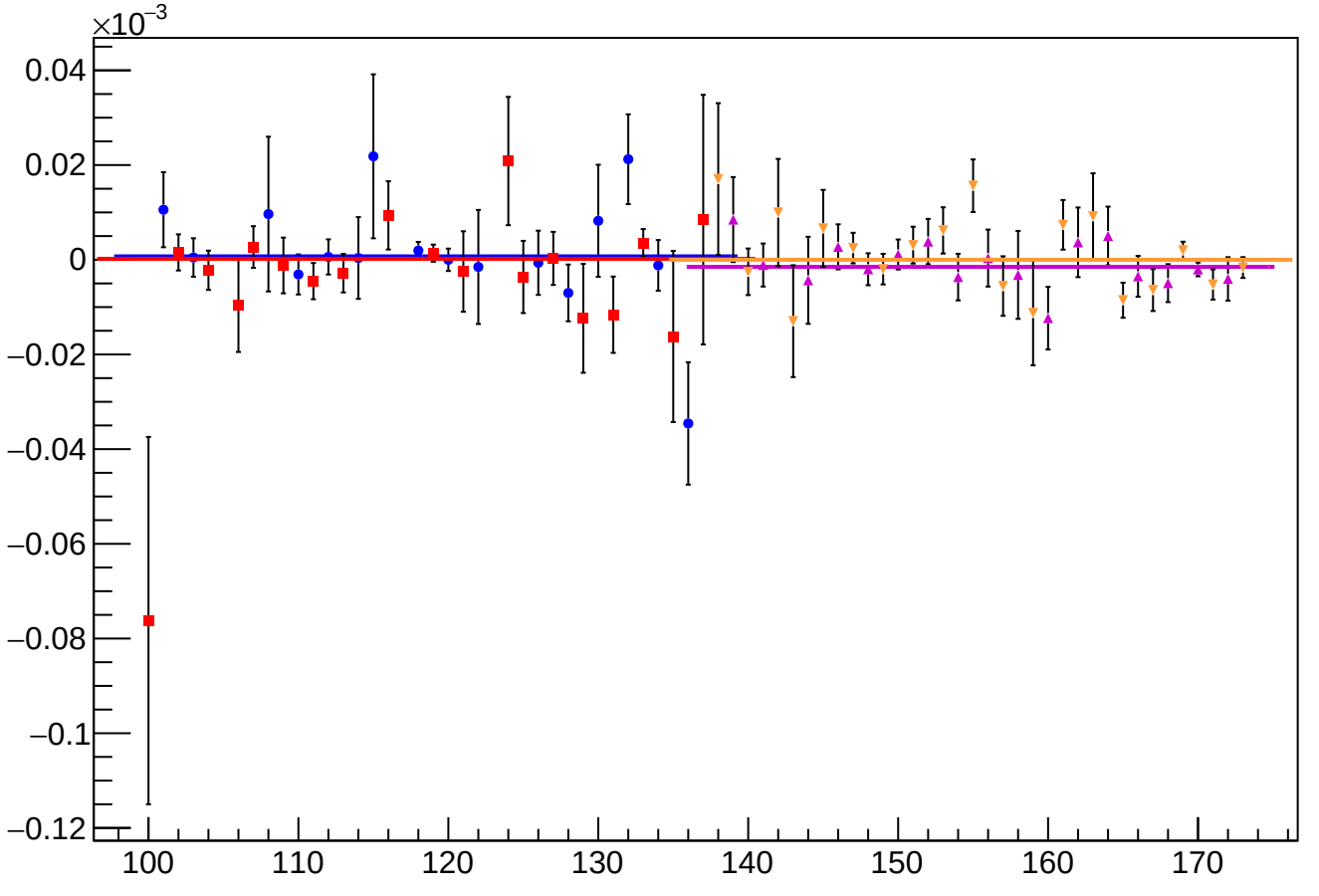
Left: 31.423+/-0.005 χ^2/NDF: 7226795.1/35

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.653+/-0.006 χ^2/NDF:5170259.7/32

Out: 32.301+/-0.006 χ^2/NDF:7415868.7/37

All: 32.478+/-0.004 χ^2/NDF: 12588000.6/70



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:10.1/16

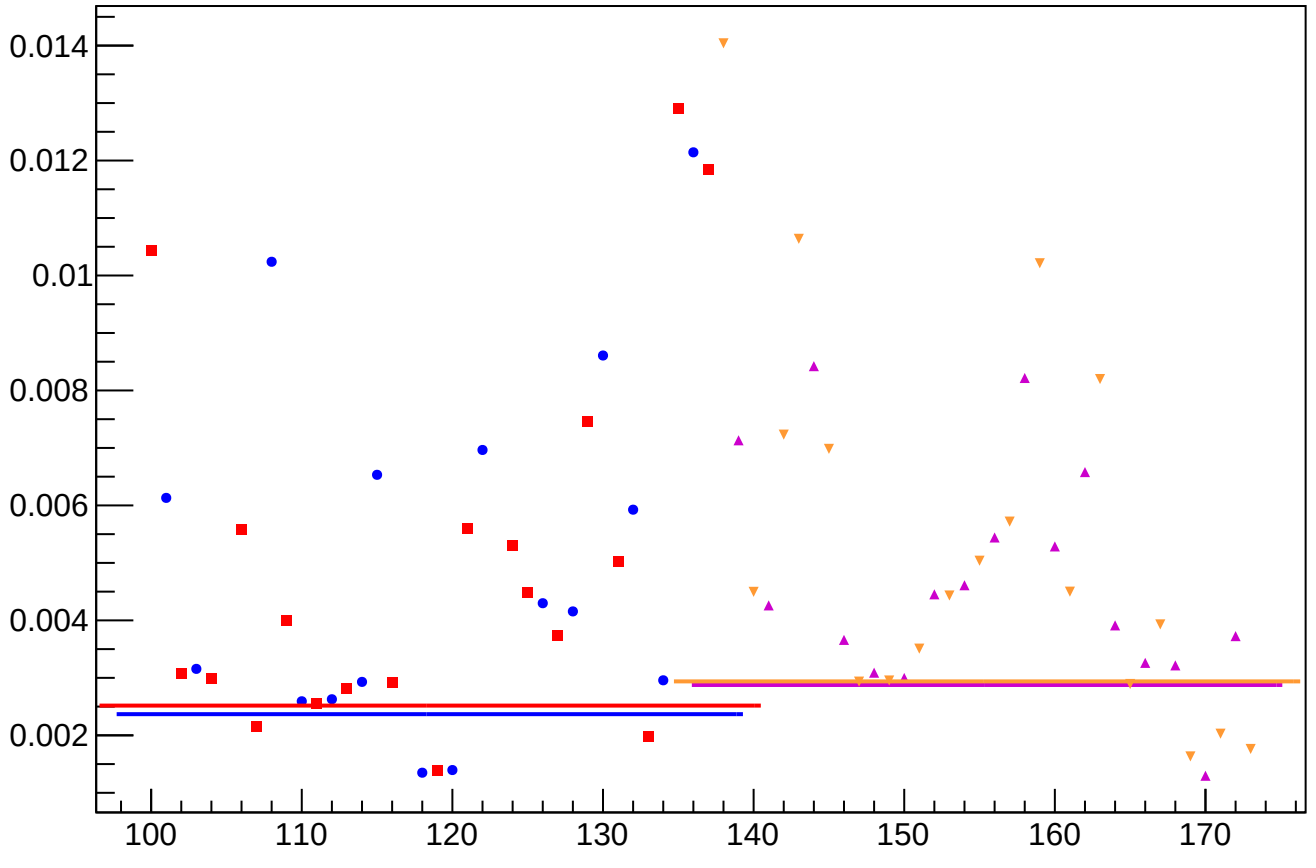
Left: -0.000+/-0.000 χ^2/NDF: 43.3/35

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:31.5/32

Out: 0.000+/-0.000 χ^2/NDF:50.0/37

All: -0.000+/-0.000 χ^2/NDF: 81.9/70



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:7277325.9/18

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.003+/-0.000 χ^2/NDF:6239601.8/16

Left: 0.003+/-0.000 χ^2/NDF: 13521508.8/35

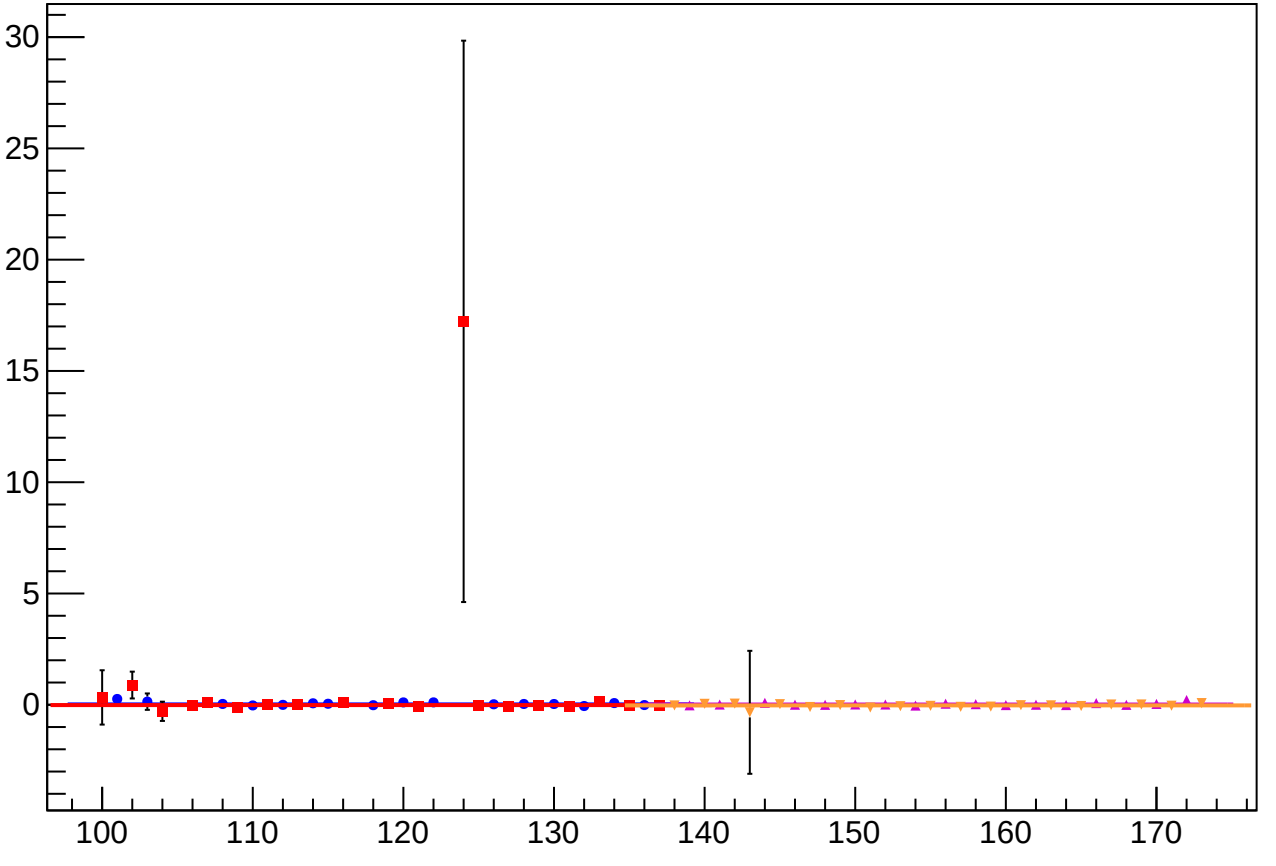
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:11206645.1/32

Out: 0.003+/-0.000 χ^2/NDF:10856478.5/37

All: 0.003+/-0.000 χ^2/NDF: 22082482.6/70

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: -0.027+/-0.010 χ^2/NDF:23.7/18

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/16

Left: -0.008+/-0.007 χ^2/NDF: 42.5/35

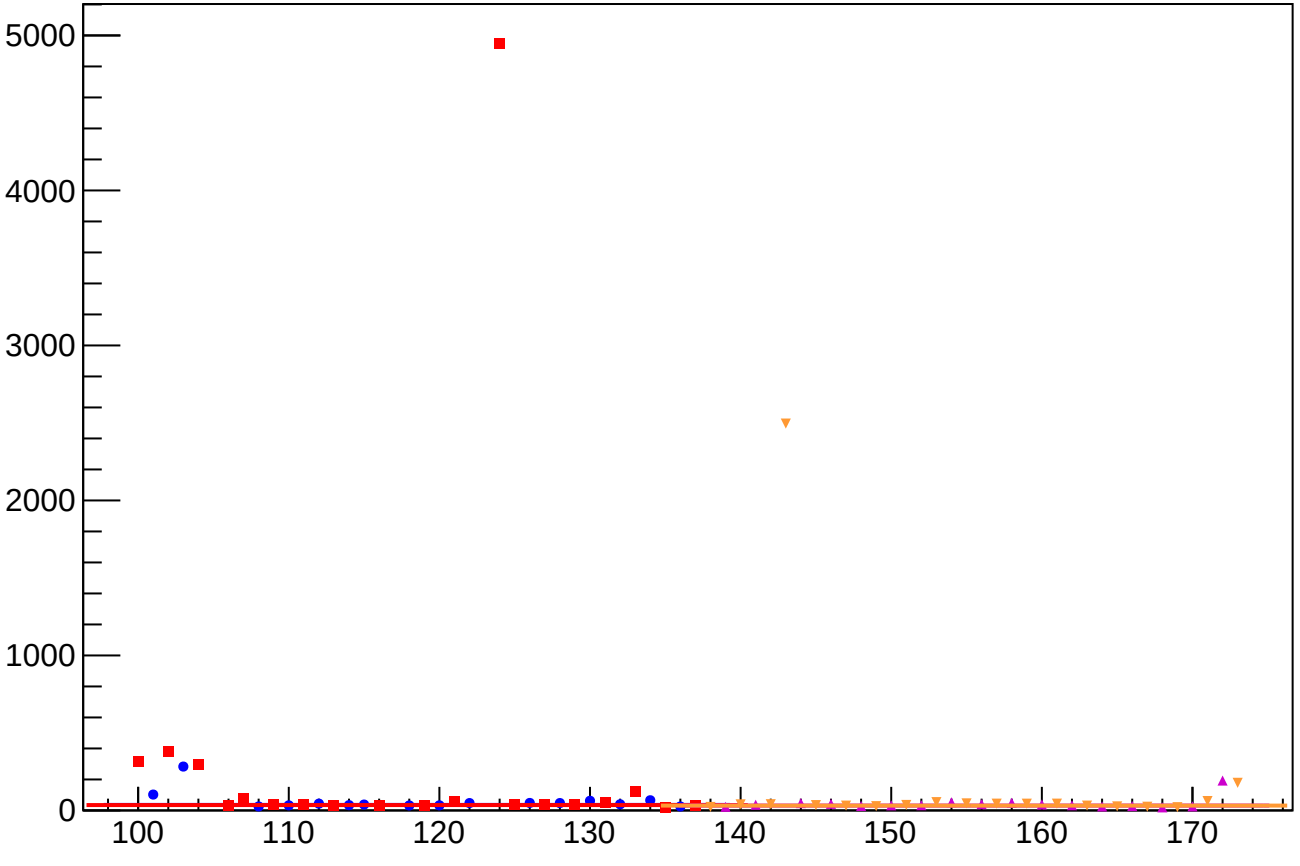
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/32

Out: -0.024+/-0.008 χ^2/NDF:40.3/37

All: -0.005+/-0.006 χ^2/NDF: 72.5/70

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.370+/-0.007 χ^2/NDF:4431889.4/18

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.475+/-0.007 χ^2/NDF:2795602.4/16

Left: 31.423+/-0.005 χ^2/NDF: 7227615.1/35

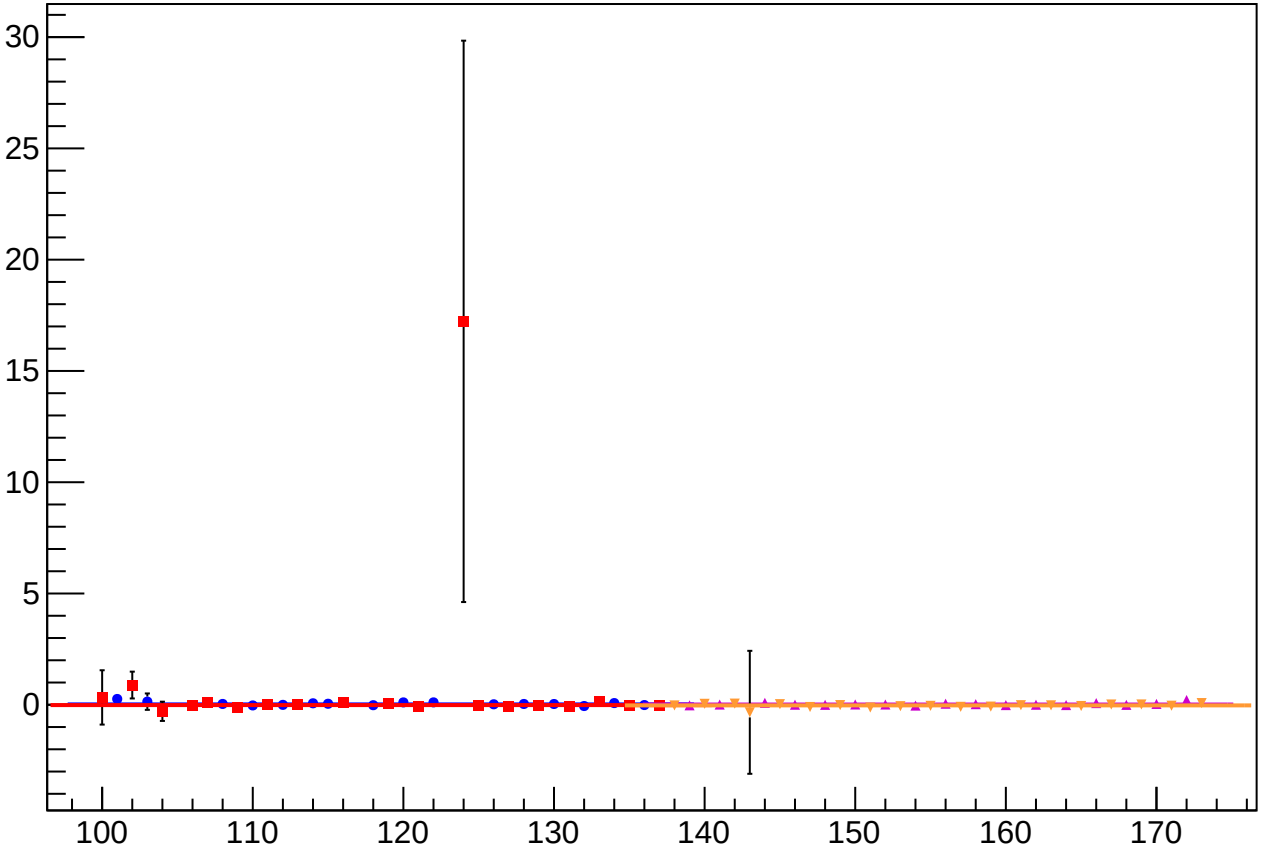
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 32.652+/-0.006 χ^2/NDF:5170689.4/32

Out: 32.301+/-0.006 χ^2/NDF:7415996.6/37

All: 32.478+/-0.004 χ^2/NDF: 12588551.1/70

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: -0.027+/-0.010 χ^2/NDF:23.7/18

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/16

Left: -0.008+/-0.007 χ^2/NDF: 42.5/35

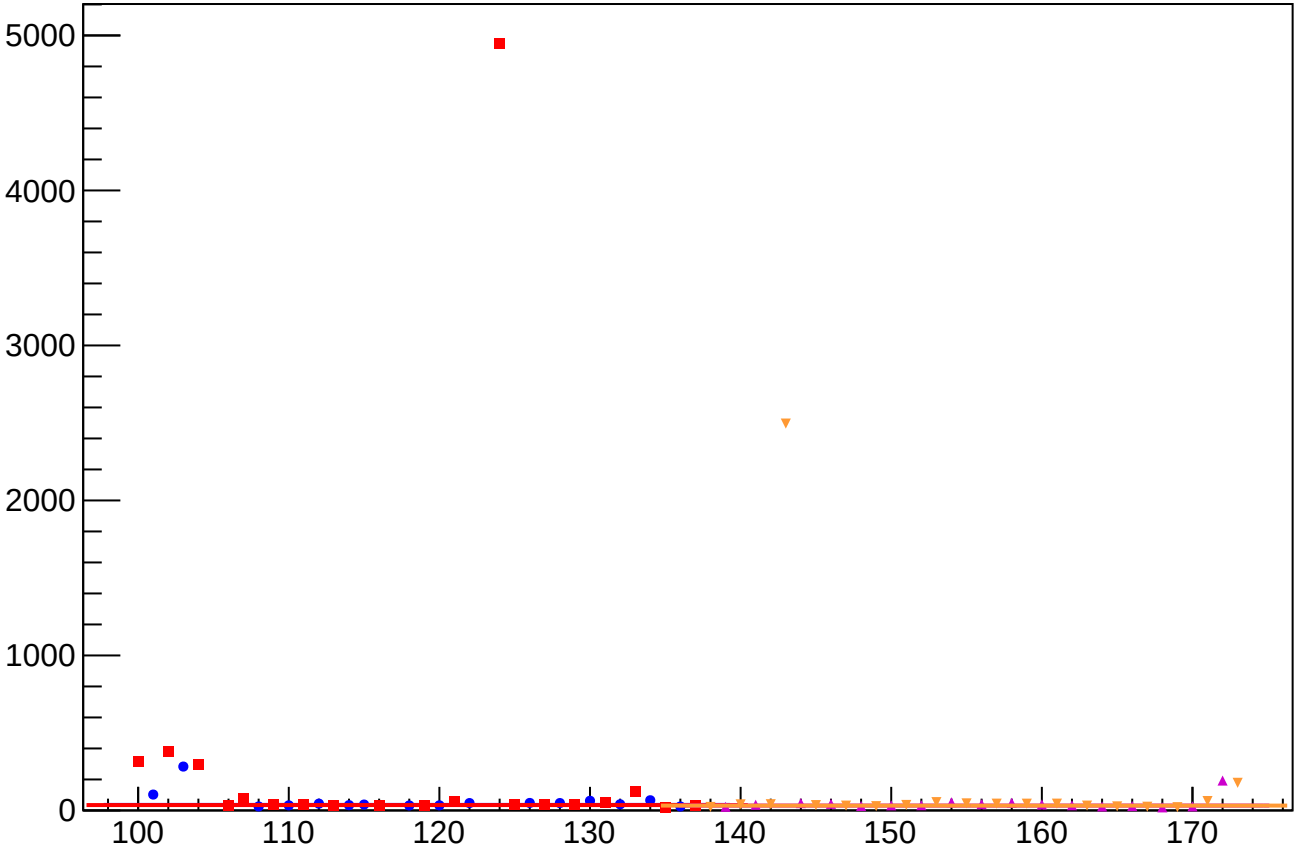
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/32

Out: -0.024+/-0.008 χ^2/NDF:40.3/37

All: -0.005+/-0.006 χ^2/NDF: 72.5/70

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: 31.370+/-0.007 χ^2/NDF:4431889.4/18

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.475+/-0.007 χ^2/NDF:2795602.4/16

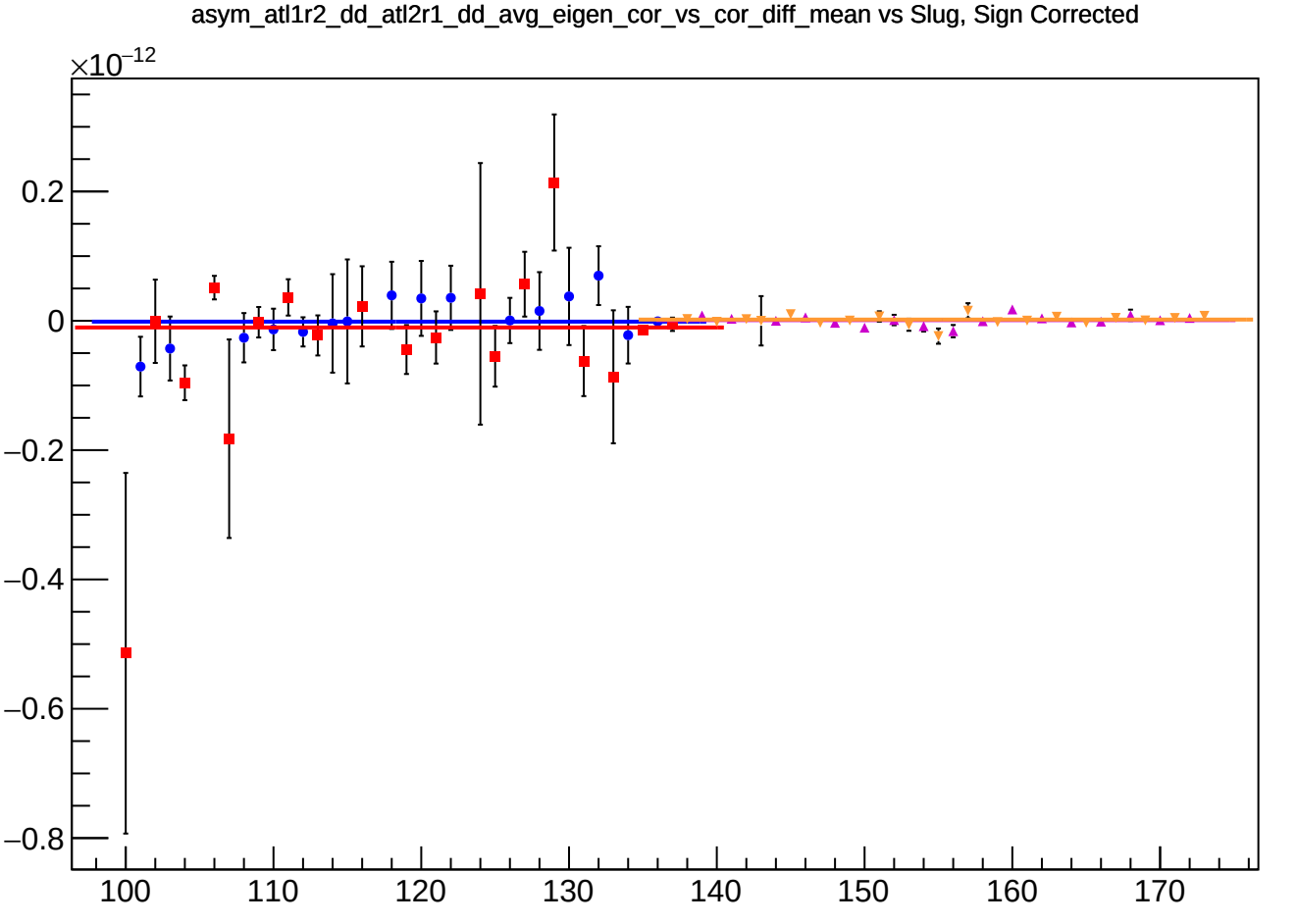
Left: 31.423+/-0.005 χ^2/NDF: 7227615.1/35

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

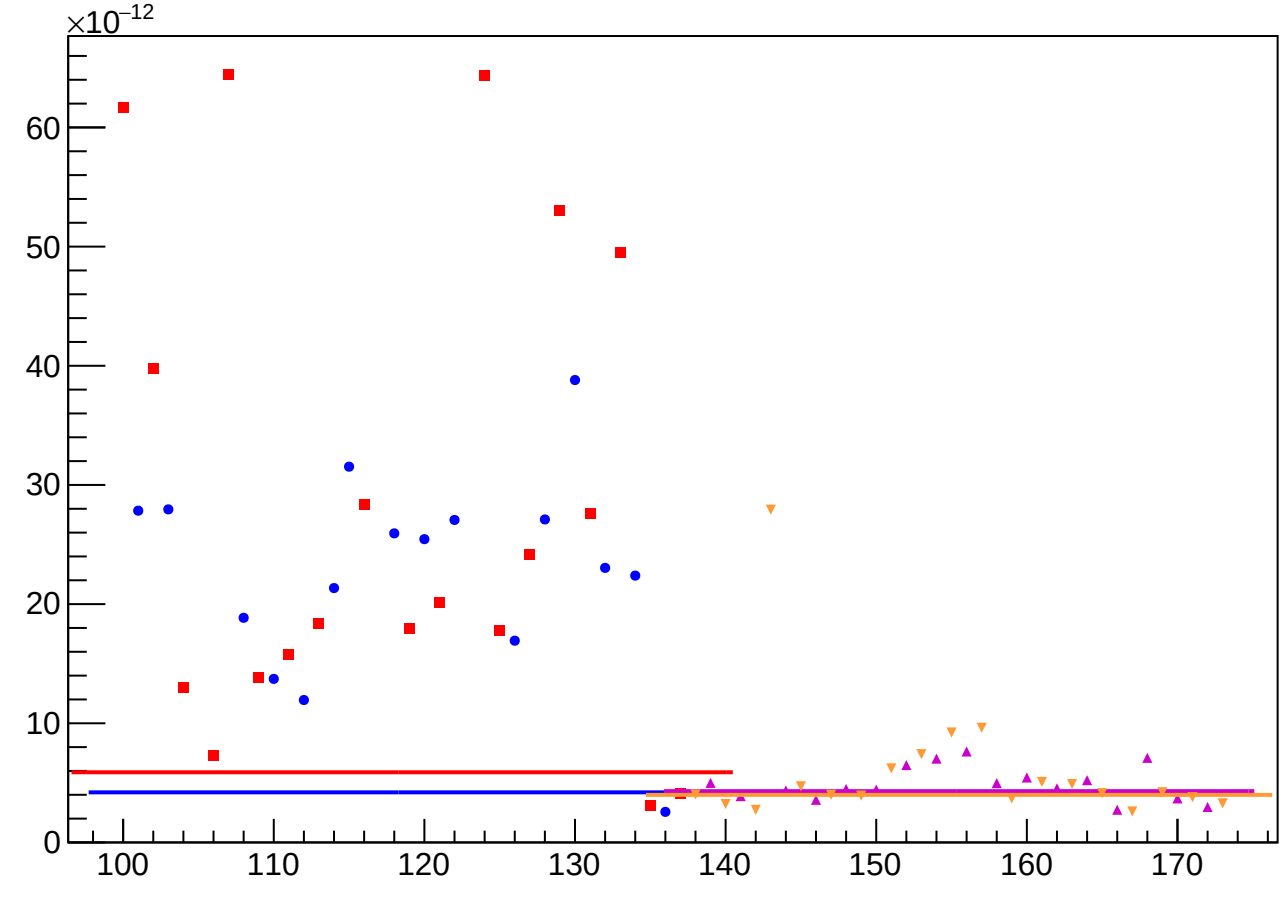
In: 32.652+/-0.006 χ^2/NDF:5170689.4/32

Out: 32.301+/-0.006 χ^2/NDF:7415996.6/37

All: 32.478+/-0.004 χ^2/NDF: 12588551.1/70


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:14.7/18
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:19.0/16
Left: 0.000+/-0.000 χ²/NDF: 33.9/35
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: 0.000+/-0.000 χ²/NDF:28.0/32
Out: 0.000+/-0.000 χ²/NDF:62.3/37
All: 0.000+/-0.000 χ²/NDF: 90.3/70

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2714692.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1493959.3/16

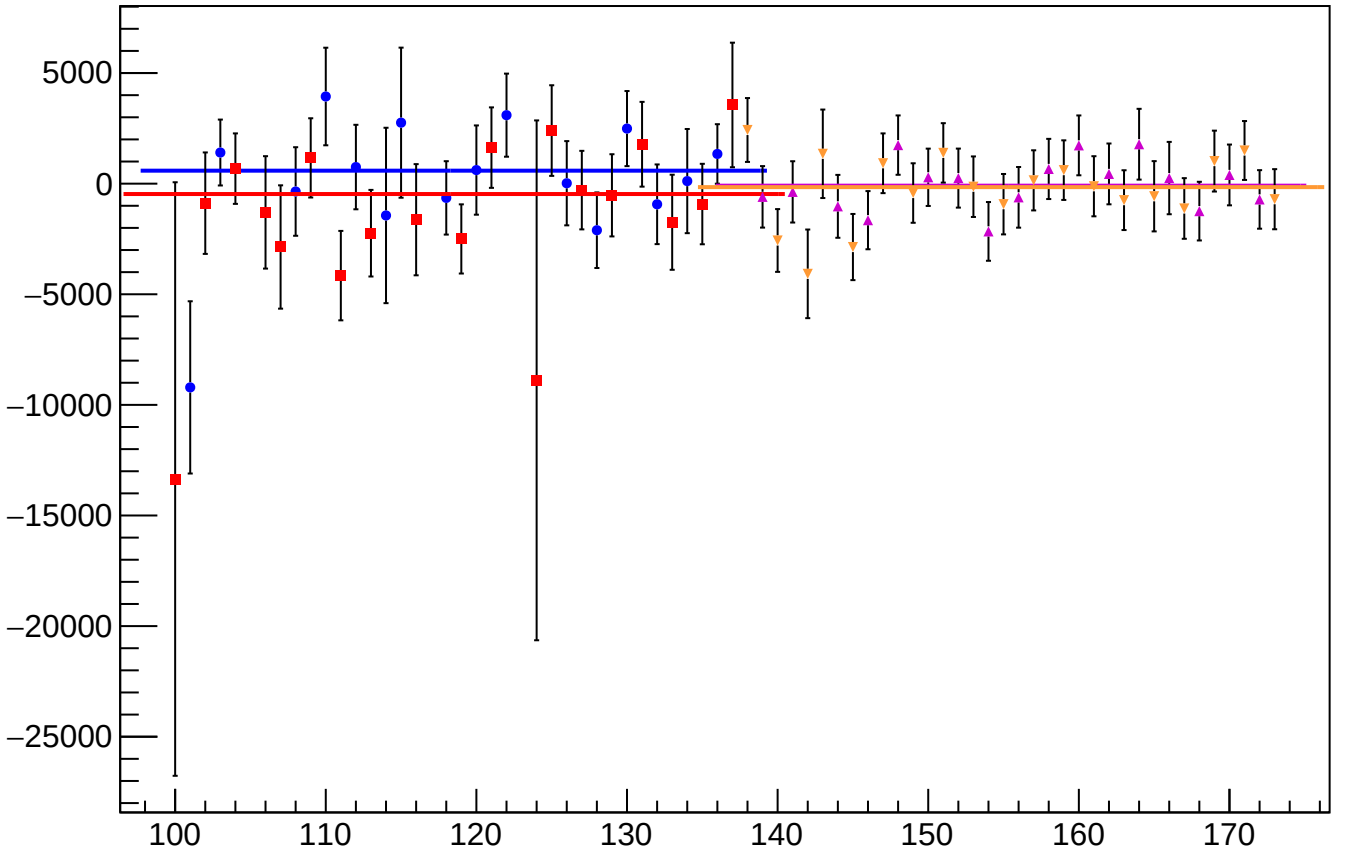
Left: 0.000+/-0.000 χ^2/NDF: 4260257.4/35

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:6575665.0/32

Out: 0.000+/-0.000 χ^2/NDF:7949925.0/37

All: 0.000+/-0.000 χ^2/NDF: 14534564.7/70



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -157.008+/-326.275 χ^2/NDF:19.7/18

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -90.575+/-333.783 χ^2/NDF:11.4/16

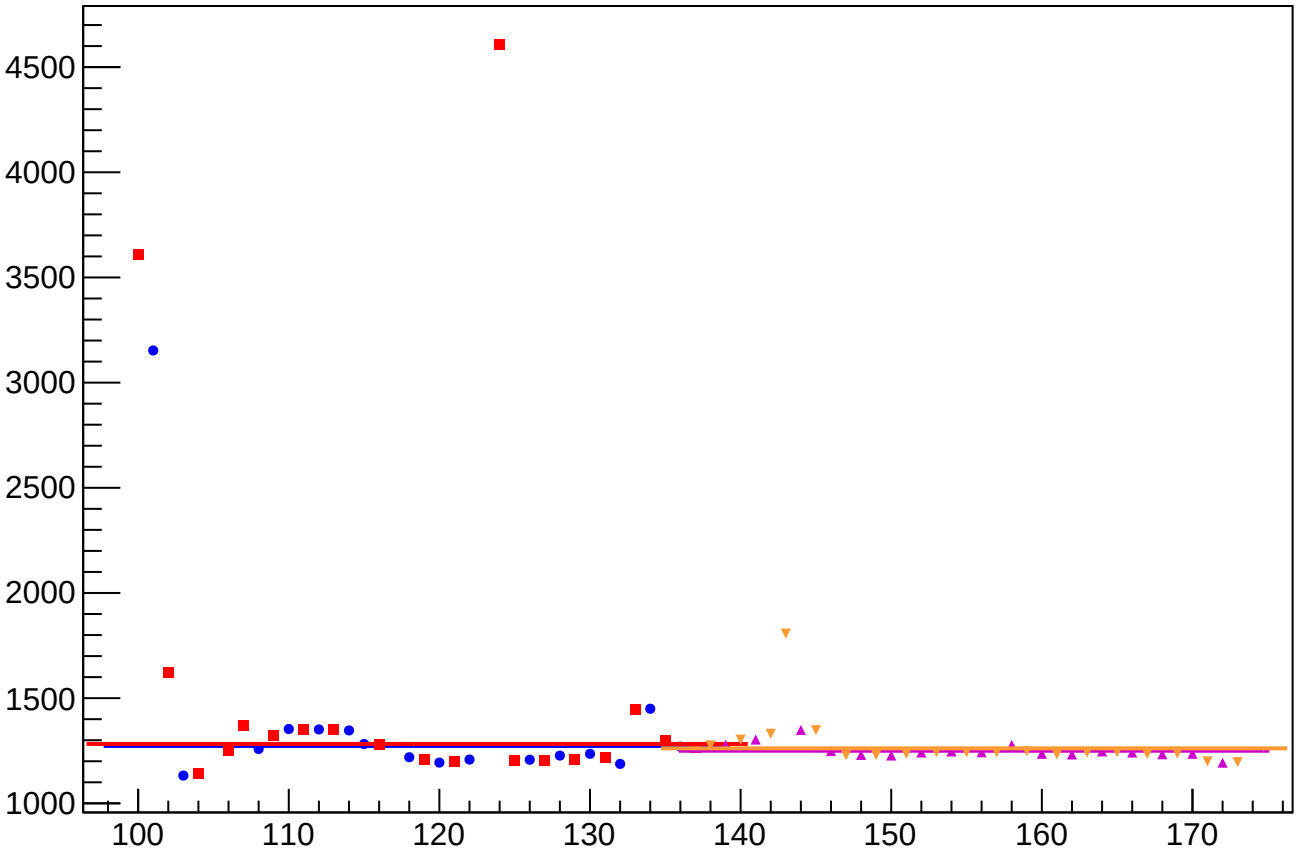
Left: -124.547+/-233.320 χ^2/NDF: 31.1/35

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 128.752+/-274.489 χ^2/NDF:29.8/32

Out: -255.465+/-269.930 χ^2/NDF:36.8/37

All: -66.574+/-192.461 χ^2/NDF: 67.6/70



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1261.381+/-0.231 χ^2/NDF:176077.1/18

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1250.015+/-0.236 χ^2/NDF:20248.3/16

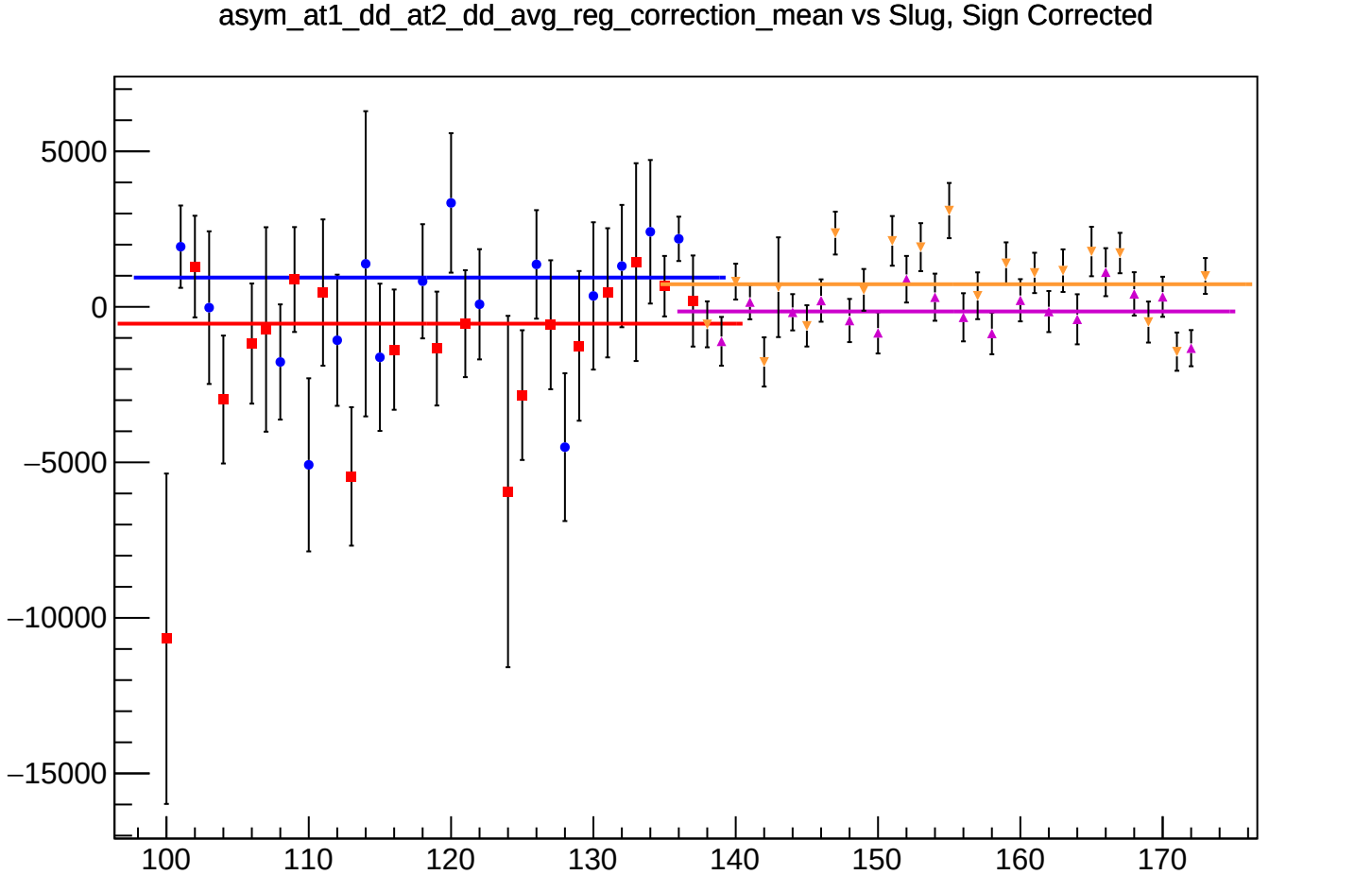
Left: 1255.827+/-0.165 χ^2/NDF: 197511.2/35

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1257.393+/-0.194 χ^2/NDF:542564.6/32

Out: 1268.003+/-0.191 χ^2/NDF:500766.2/37

All: 1262.787+/-0.136 χ^2/NDF: 1044849.9/70



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 727.376+/-161.526 χ^2/NDF:57.6/18

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -148.040+/-164.697 χ^2/NDF:15.1/16

Left: 298.177+/-115.321 χ^2/NDF: 87.1/35

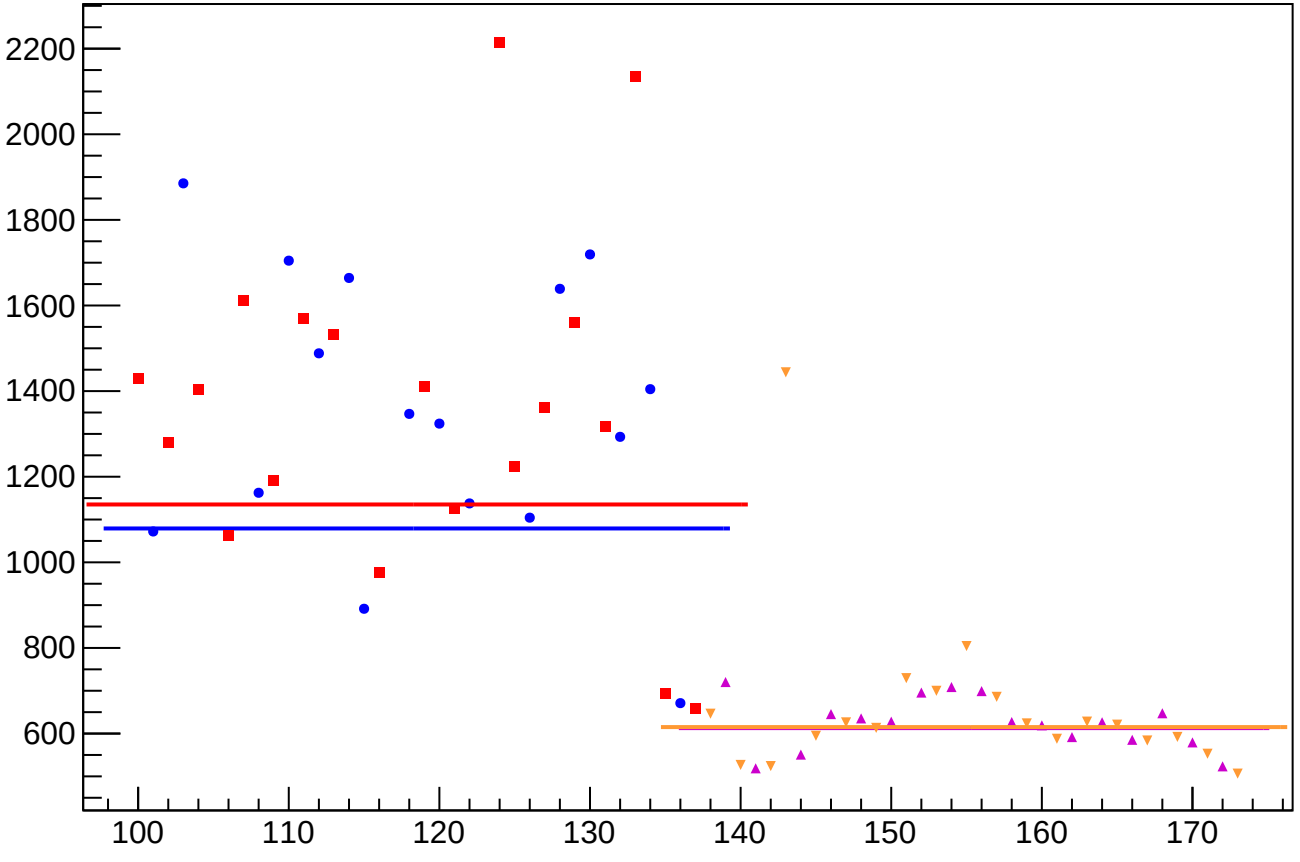
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: -6.235+/-153.609 χ^2/NDF:40.7/32

Out: 576.730+/-151.628 χ^2/NDF:82.0/37

All: 289.031+/-107.911 χ^2/NDF: 130.1/70

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: 615.116+/-0.114 χ^2/NDF:890828.6/18

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 612.733+/-0.116 χ^2/NDF:270769.5/16

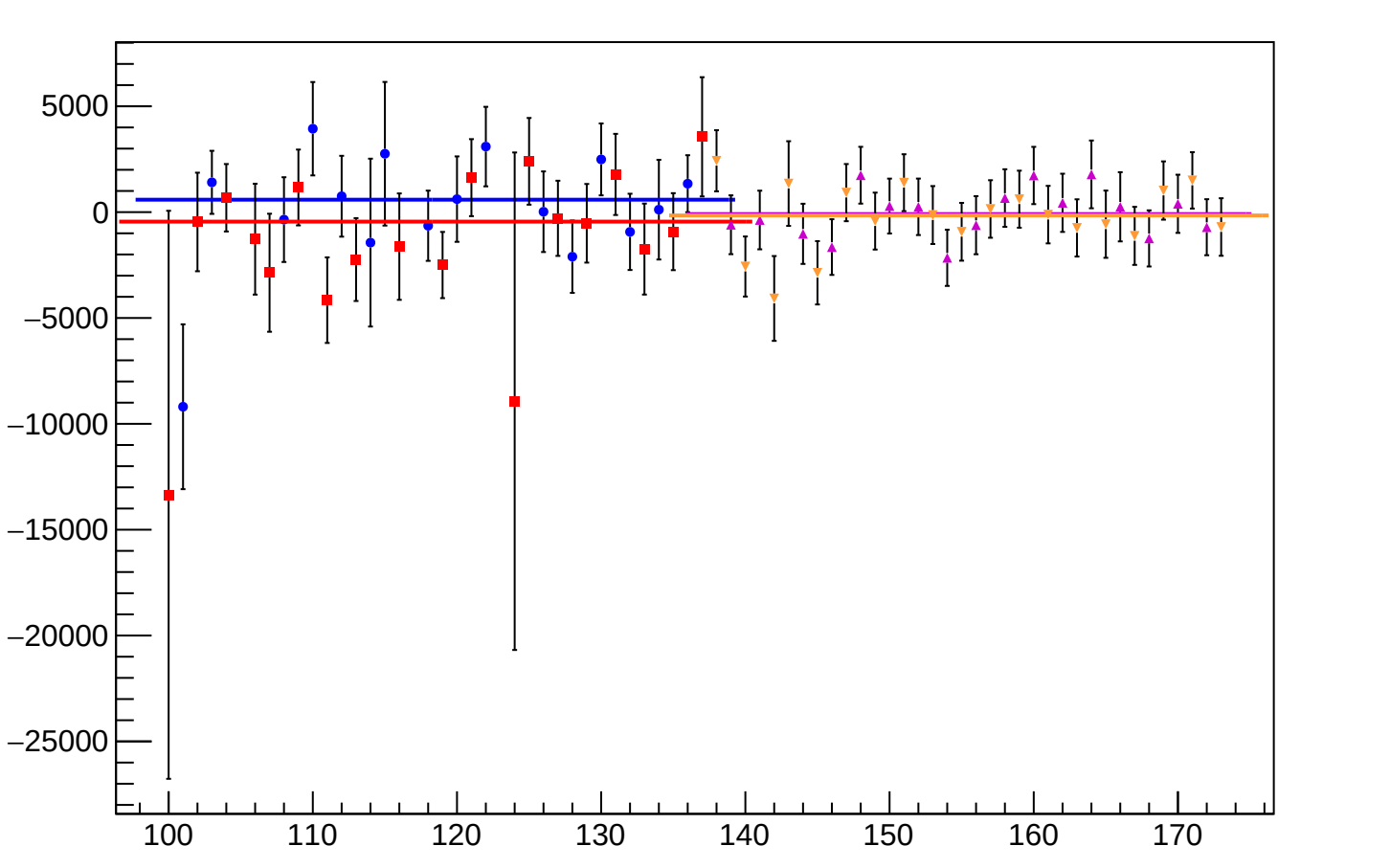
Left: 613.948+/-0.082 χ^2/NDF: 1161811.6/35

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 673.419+/-0.109 χ^2/NDF:3839870.1/32

Out: 676.901+/-0.107 χ^2/NDF:4646914.3/37

All: 675.183+/-0.076 χ^2/NDF: 8487304.7/70



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -157.072+/-326.275 χ^2/NDF:19.7/18

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -90.626+/-333.783 χ^2/NDF:11.4/16

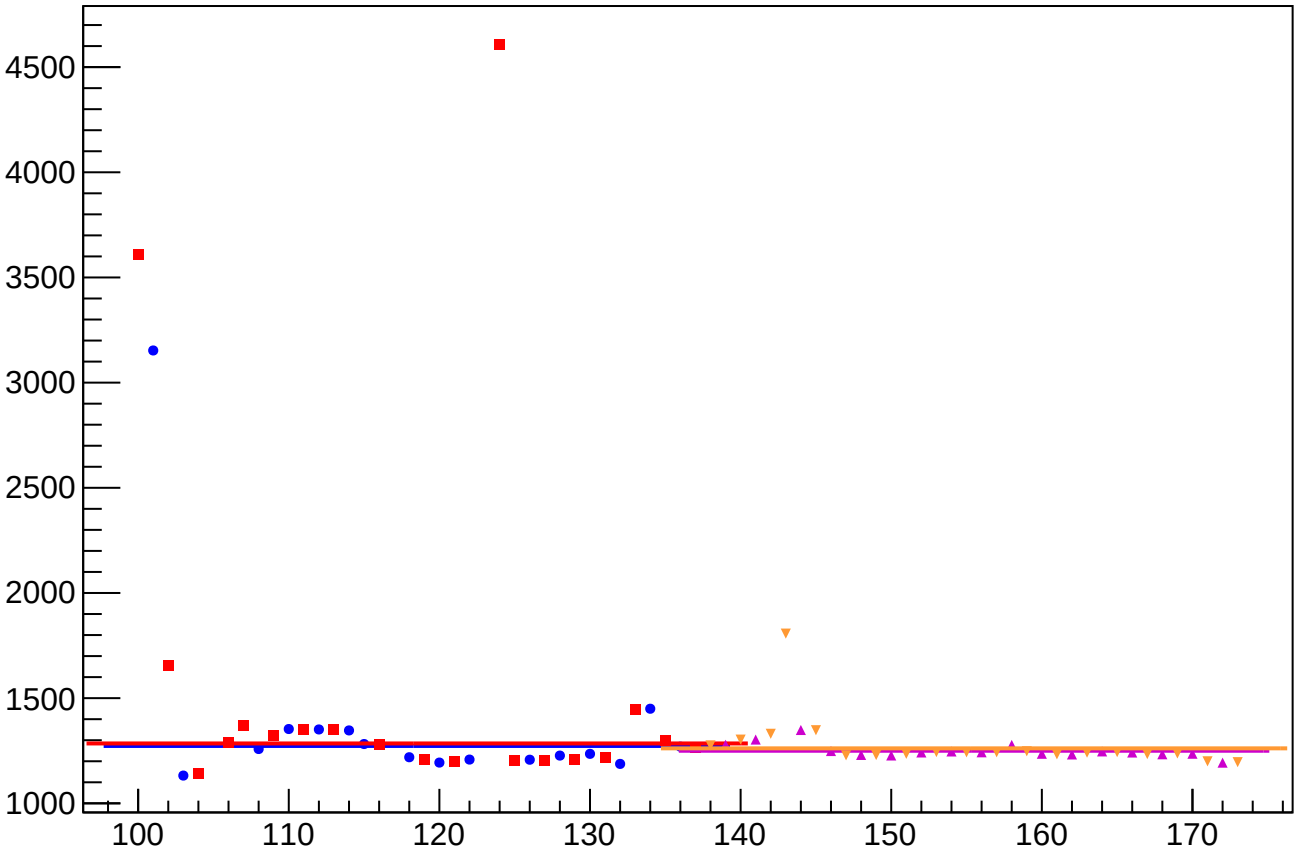
Left: -124.605+/-233.320 χ^2/NDF: 31.1/35

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 128.820+/-274.489 χ^2/NDF:29.8/32

Out: -248.794+/-270.074 χ^2/NDF:36.7/37

All: -63.048+/-192.513 χ^2/NDF: 67.5/70



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1261.381+/-0.231 χ^2/NDF:176077.0/18

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1250.015+/-0.236 χ^2/NDF:20248.3/16

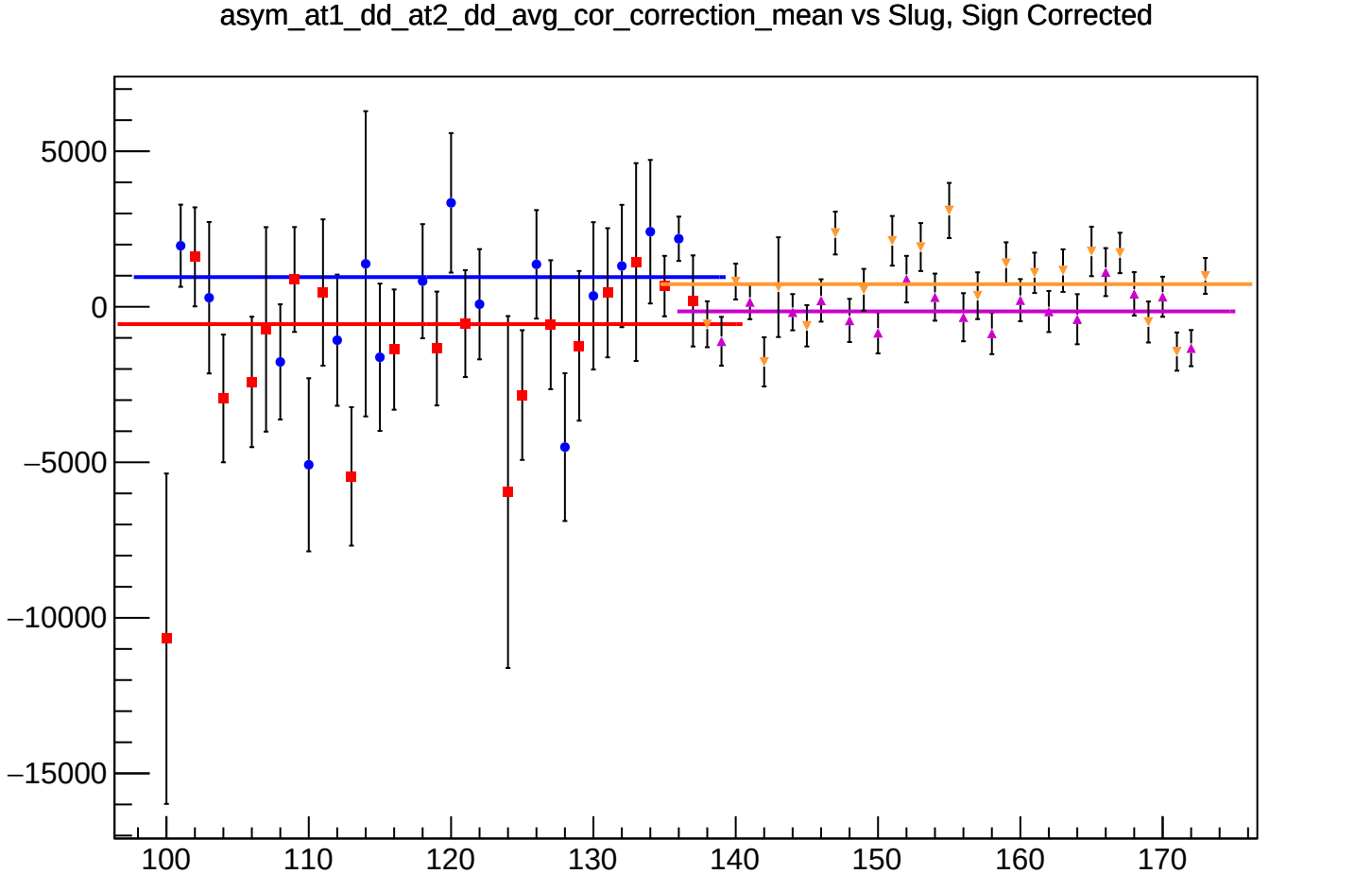
Left: 1255.827+/-0.165 χ^2/NDF: 197511.2/35

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1257.393+/-0.194 χ^2/NDF:542565.9/32

Out: 1268.708+/-0.191 χ^2/NDF:508015.7/37

All: 1263.142+/-0.136 χ^2/NDF: 1052308.6/70



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 727.391+/-161.527 χ^2/NDF:57.6/18

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -148.026+/-164.697 χ^2/NDF:15.1/16

Left: 298.189+/-115.321 χ^2/NDF: 87.1/35

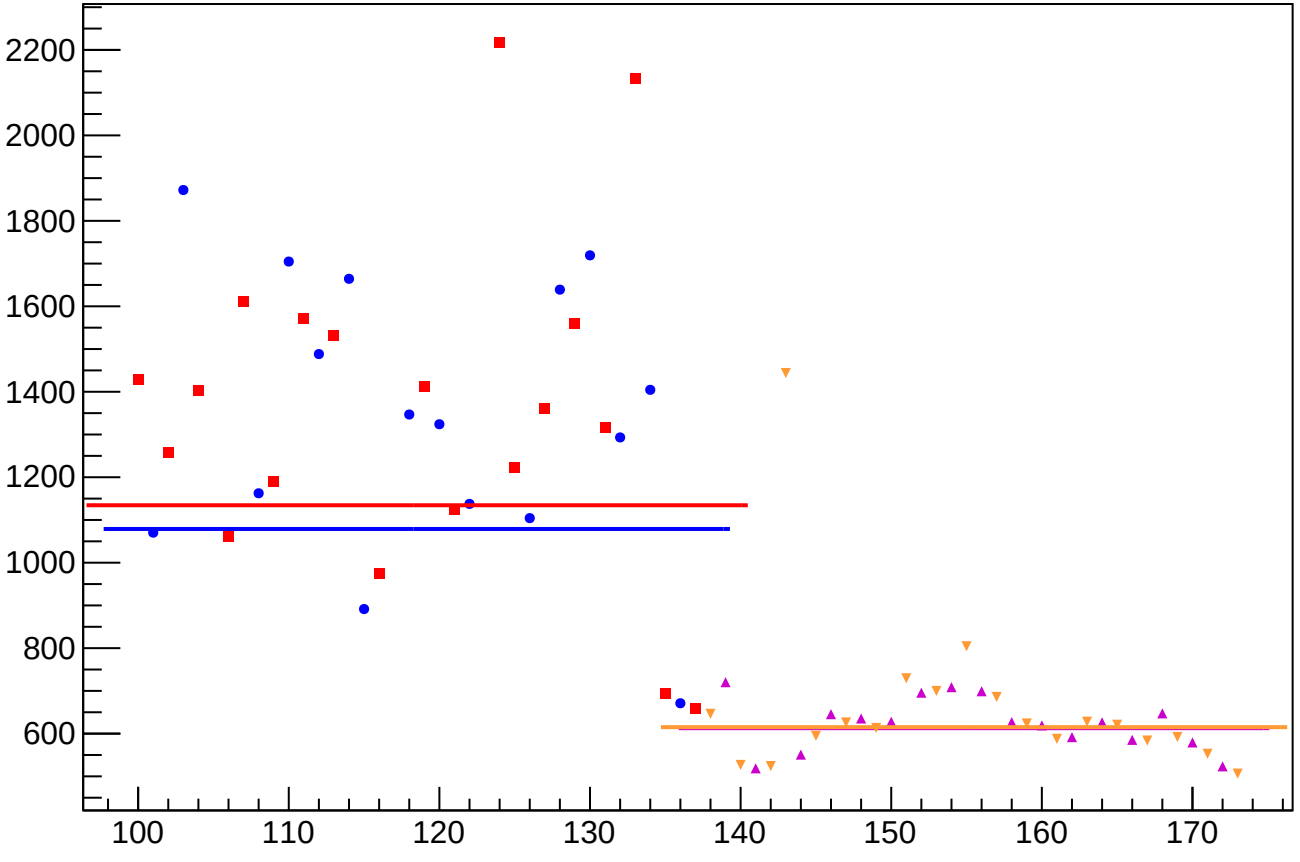
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -4.508+/-153.600 χ^2/NDF:40.8/32

Out: 575.205+/-151.663 χ^2/NDF:83.4/37

All: 289.027+/-107.920 χ^2/NDF: 131.5/70

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: 615.118+/-0.114 χ^2/NDF:890780.2/18

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 612.730+/-0.116 χ^2/NDF:270782.3/16

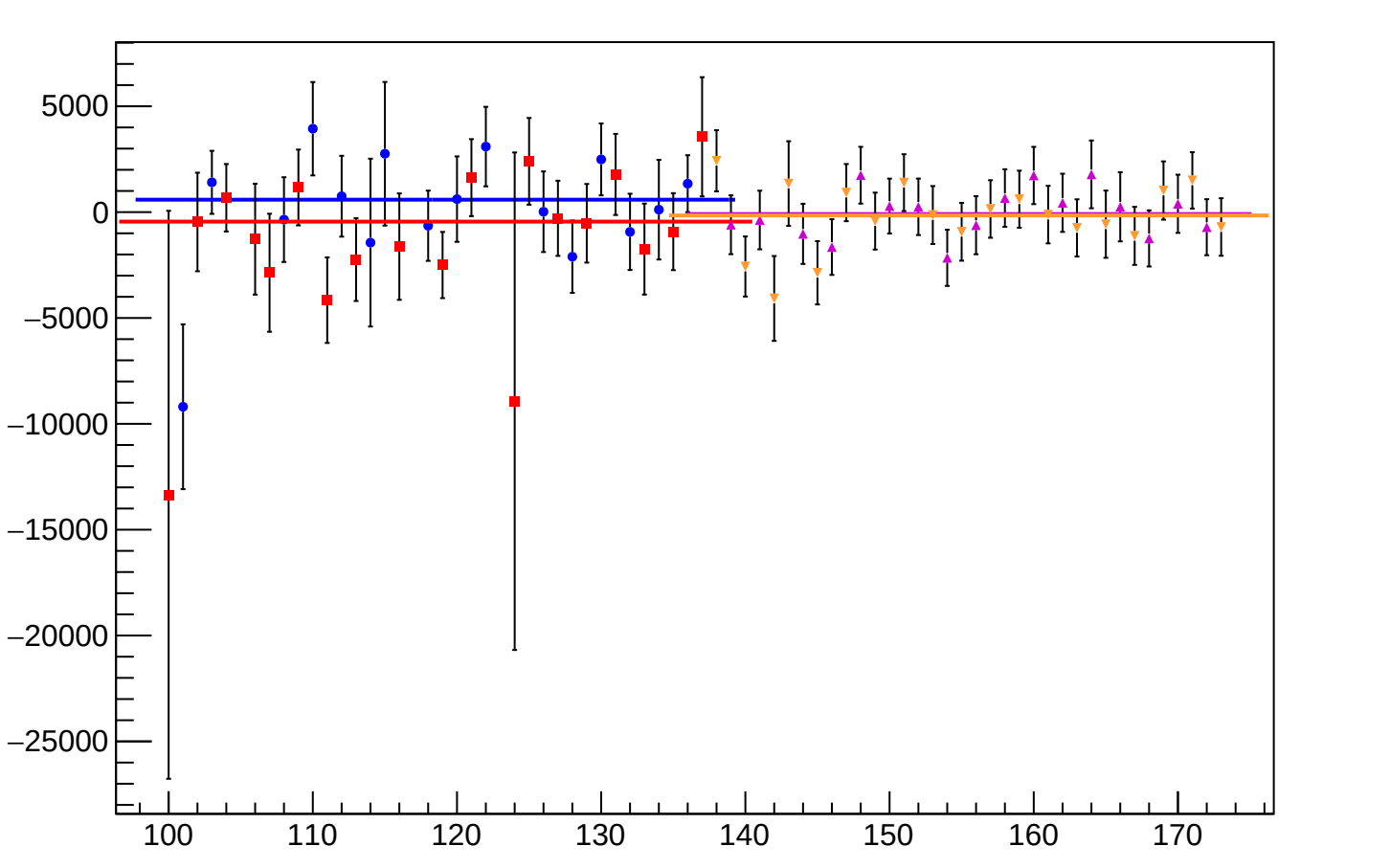
Left: 613.948+/-0.082 χ^2/NDF: 1161776.9/35

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 673.436+/-0.109 χ^2/NDF:3836218.9/32

Out: 676.606+/-0.107 χ^2/NDF:4627348.9/37

All: 675.041+/-0.076 χ^2/NDF: 8463999.1/70



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -157.072+/-326.275 χ^2/NDF:19.7/18

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -90.626+/-333.783 χ^2/NDF:11.4/16

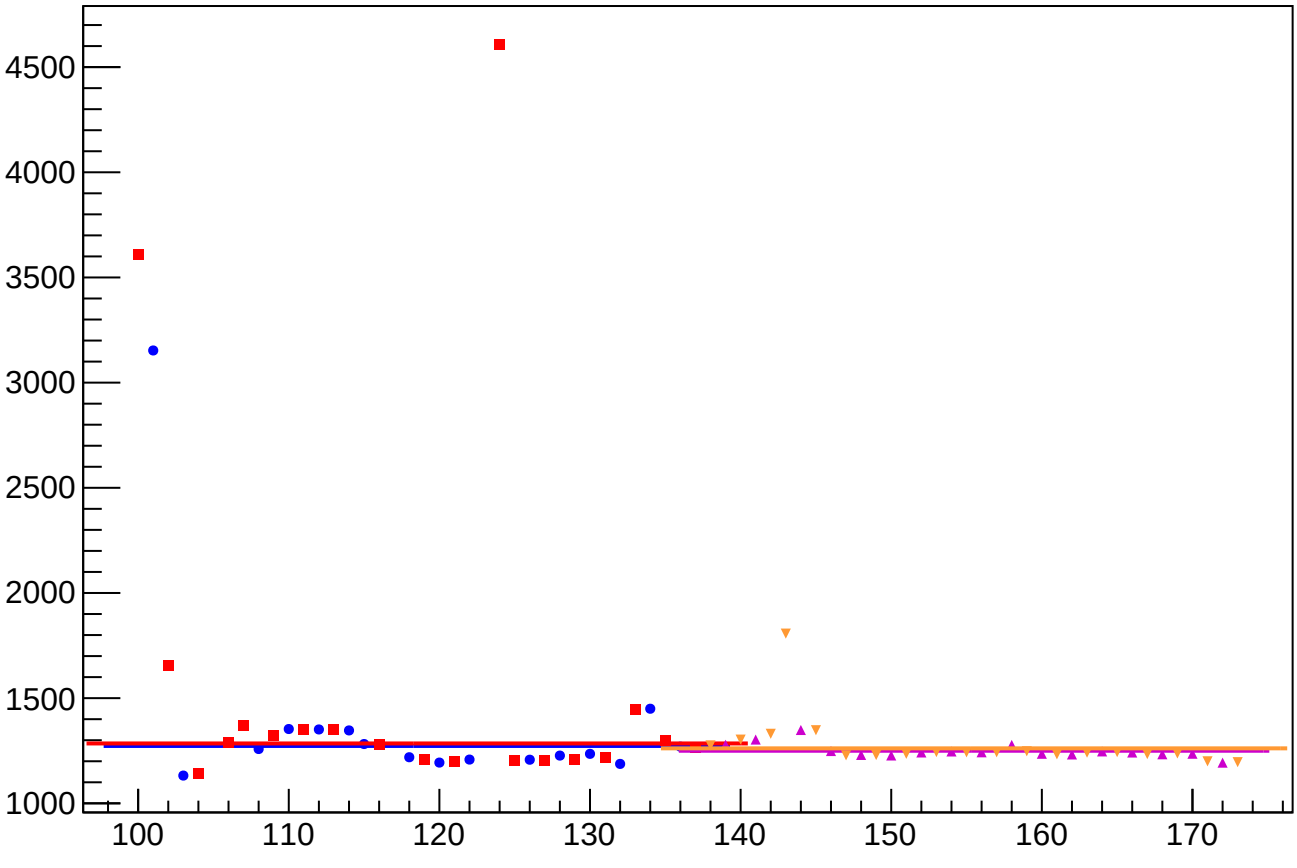
Left: -124.605+/-233.320 χ^2/NDF: 31.1/35

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 128.820+/-274.489 χ^2/NDF:29.8/32

Out: -248.794+/-270.074 χ^2/NDF:36.7/37

All: -63.048+/-192.513 χ^2/NDF: 67.5/70



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1261.381+/-0.231 χ^2/NDF:176077.0/18

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1250.015+/-0.236 χ^2/NDF:20248.3/16

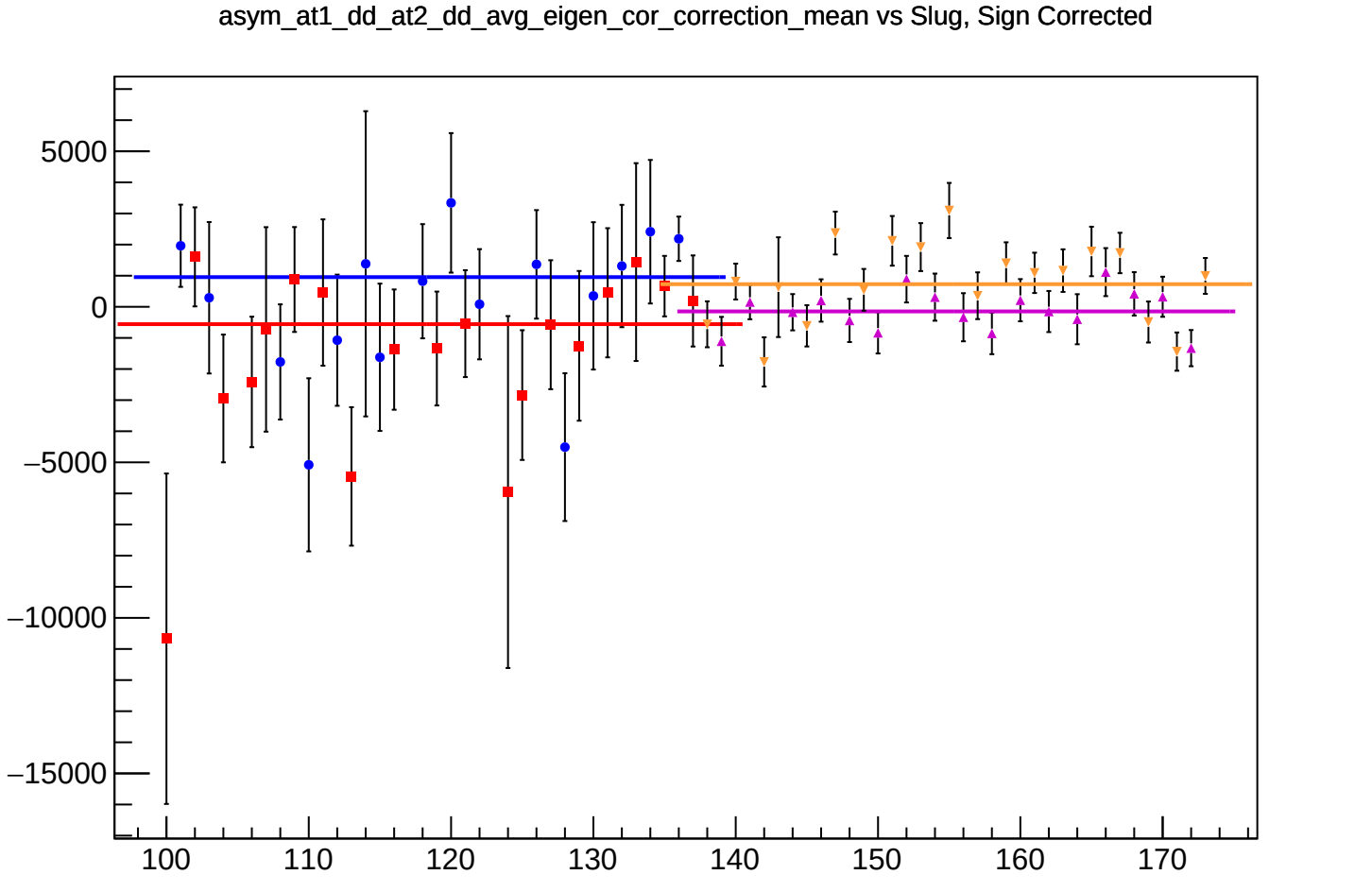
Left: 1255.827+/-0.165 χ^2/NDF: 197511.2/35

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1257.393+/-0.194 χ^2/NDF:542565.9/32

Out: 1268.708+/-0.191 χ^2/NDF:508015.7/37

All: 1263.142+/-0.136 χ^2/NDF: 1052308.6/70



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 727.391+/-161.527 χ^2/NDF:57.6/18

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -148.026+/-164.697 χ^2/NDF:15.1/16

Left: 298.189+/-115.321 χ^2/NDF: 87.1/35

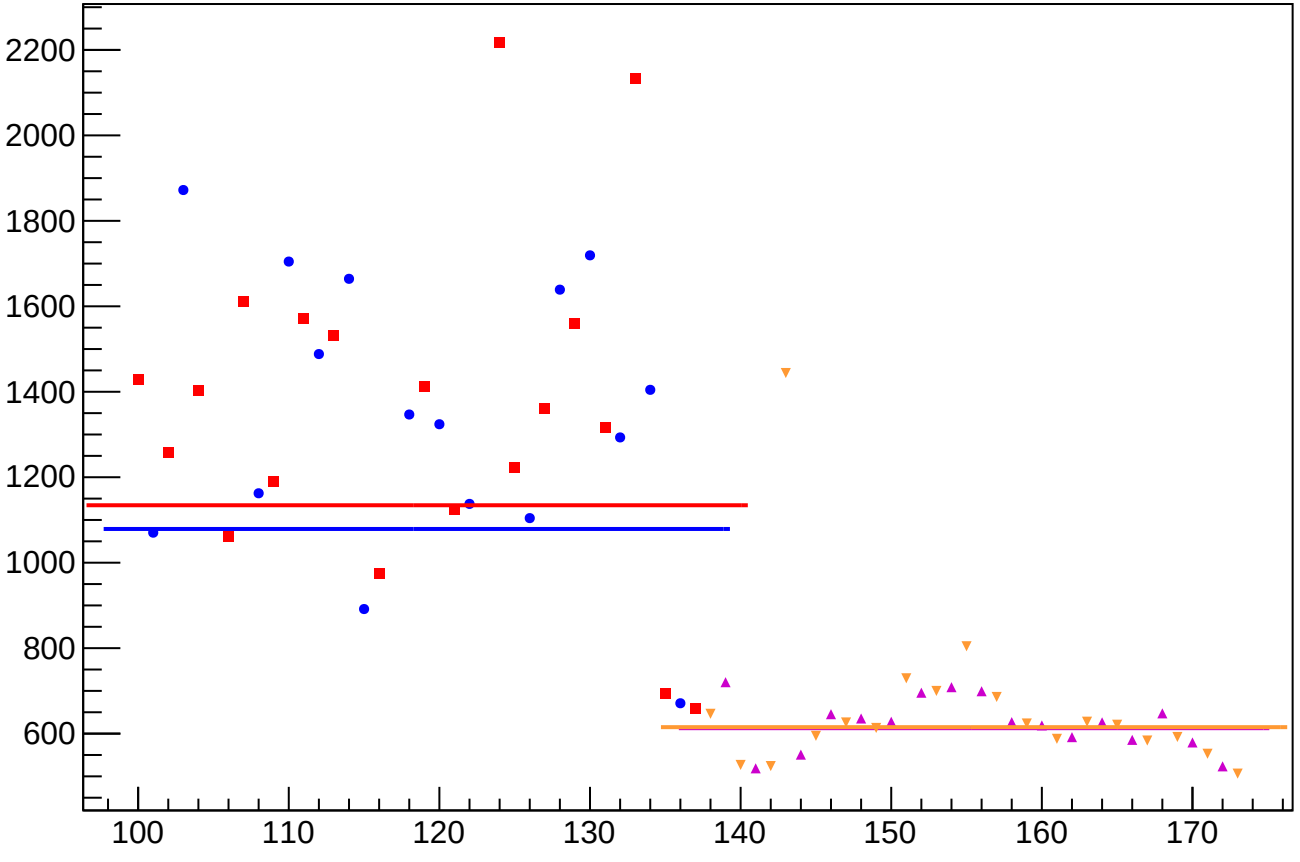
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -4.508+/-153.600 χ^2/NDF:40.8/32

Out: 575.205+/-151.663 χ^2/NDF:83.4/37

All: 289.027+/-107.920 χ^2/NDF: 131.5/70

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: 615.118+/-0.114 χ^2/NDF:890780.2/18

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 612.730+/-0.116 χ^2/NDF:270782.3/16

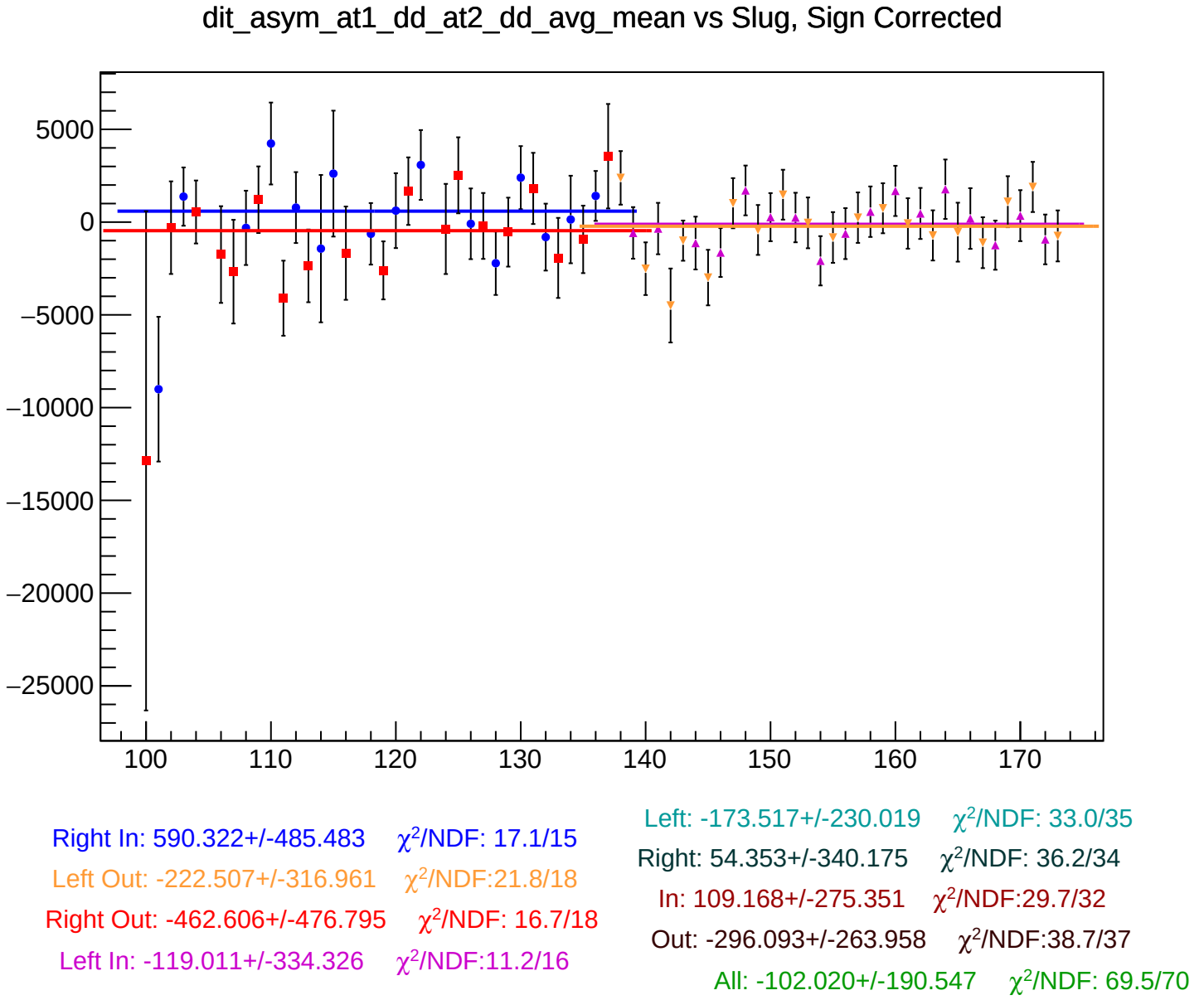
Left: 613.948+/-0.082 χ^2/NDF: 1161776.9/35

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 673.436+/-0.109 χ^2/NDF:3836218.9/32

Out: 676.606+/-0.107 χ^2/NDF:4627348.9/37

All: 675.041+/-0.076 χ^2/NDF: 8463999.1/70


dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
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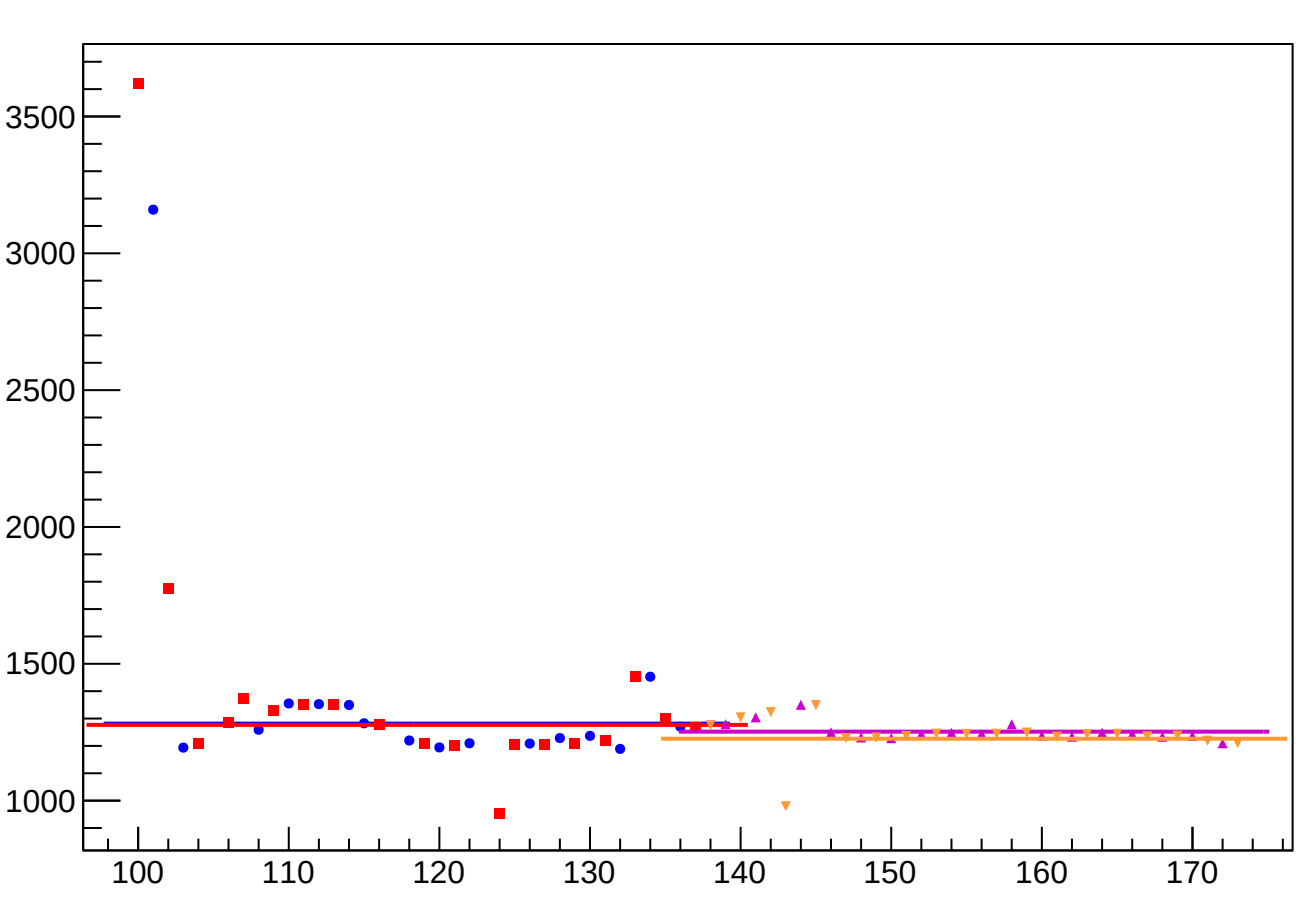
170
Right In: 590.322+/-485.483 χ²/NDF: 17.1/15
Left Out: -222.507+/-316.961 χ²/NDF:21.8/18
Right Out: -462.606+/-476.795 χ²/NDF: 16.7/18
Left In: -119.011+/-334.326 χ²/NDF:11.2/16
Left: -173.517+/-230.019 χ²/NDF: 33.0/35
Right: 54.353+/-340.175 χ²/NDF: 36.2/34
In: 109.168+/-275.351 χ²/NDF:29.7/32
Out: -296.093+/-263.958 χ²/NDF:38.7/37
All: -102.020+/-190.547 χ²/NDF: 69.5/70



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1226.218+/-0.224 χ^2/NDF:133257.1/18

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1252.084+/-0.236 χ^2/NDF:18592.6/16

Left: 1238.462+/-0.163 χ^2/NDF: 158154.6/35

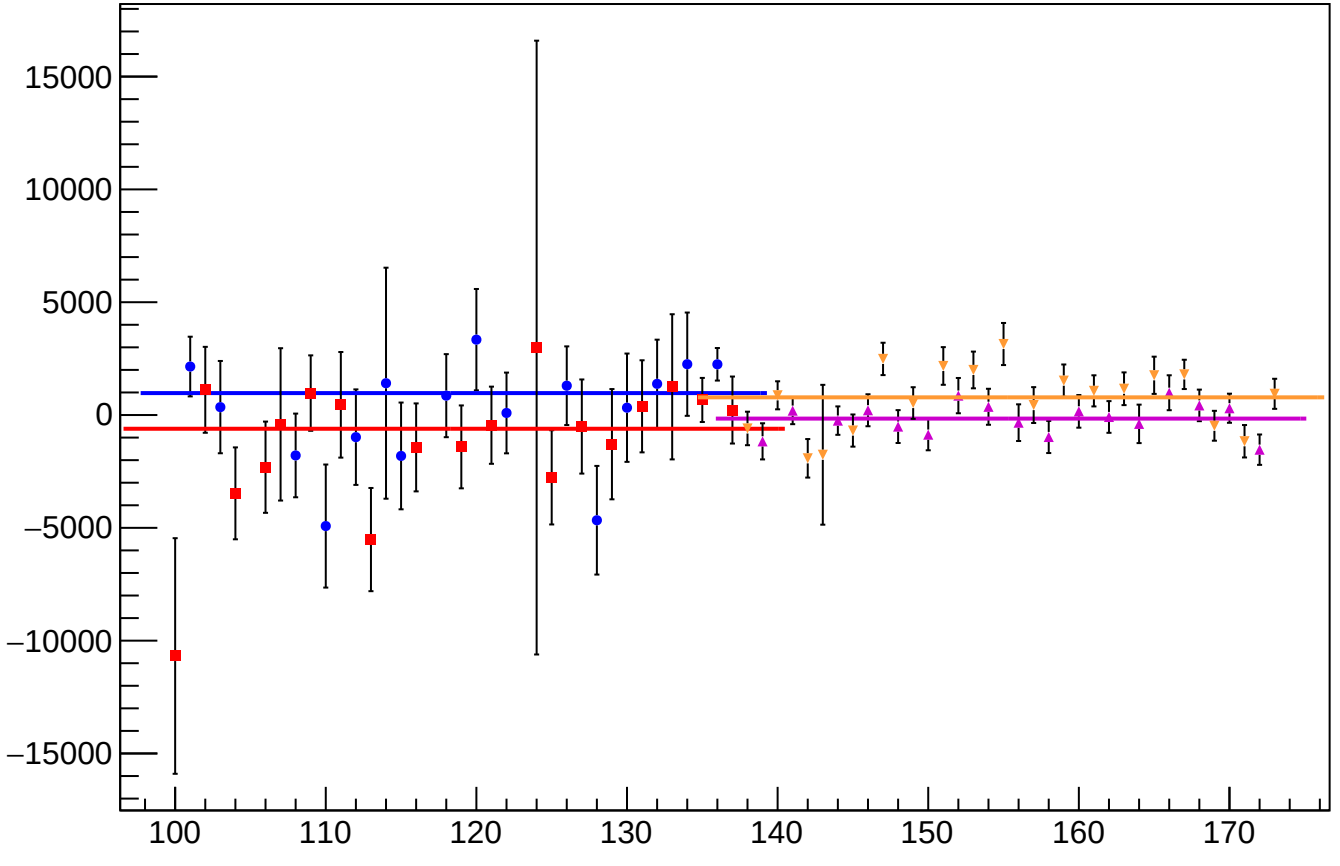
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1261.505+/-0.195 χ^2/NDF:530607.2/32

Out: 1241.739+/-0.187 χ^2/NDF:369418.4/37

All: 1251.204+/-0.135 χ^2/NDF: 905396.1/70

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 783.600+/-172.100 χ^2/NDF:52.2/18

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -158.268+/-173.692 χ^2/NDF:14.9/16

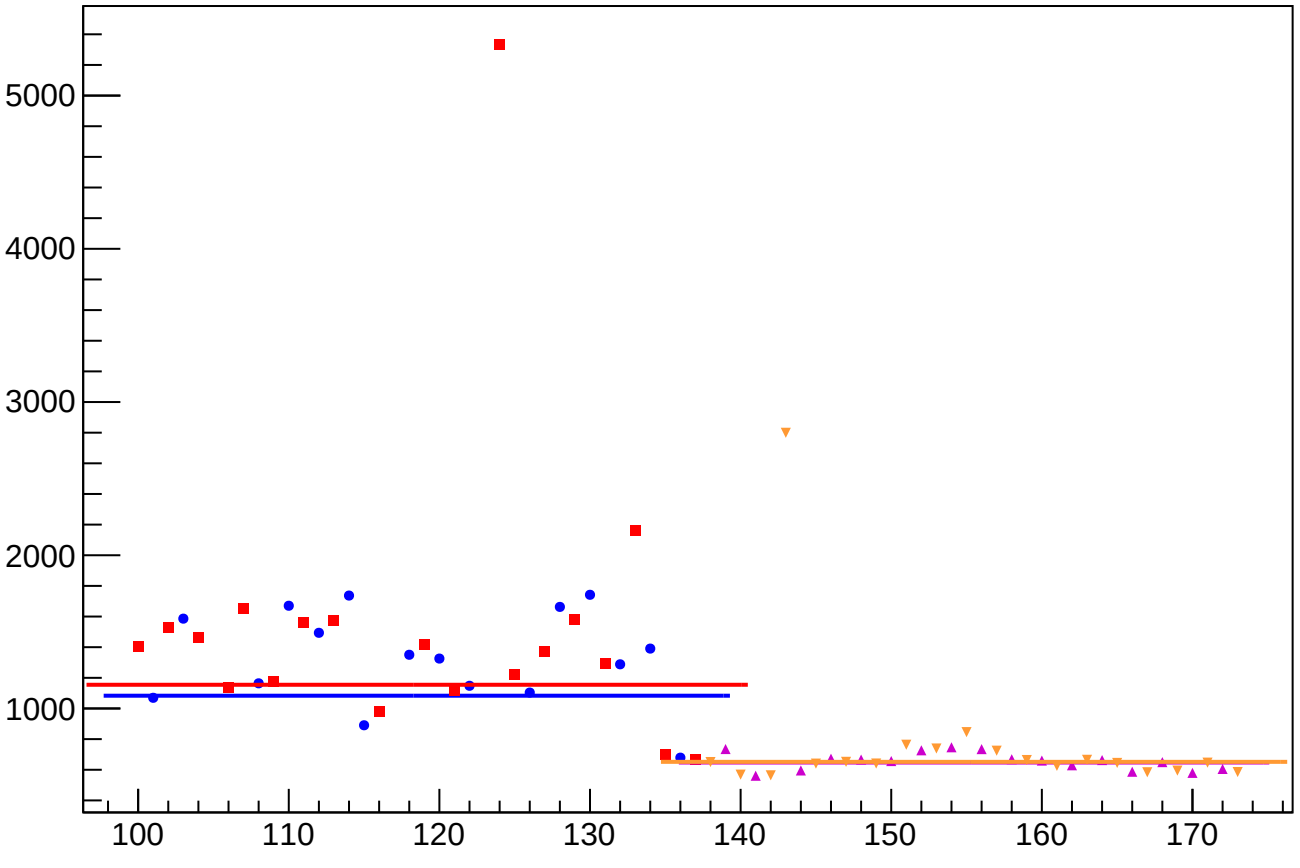
Left: 317.003+/-122.252 χ^2/NDF: 81.9/35

Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 3.394+/-160.794 χ^2/NDF:41.4/32

Out: 604.407+/-160.641 χ^2/NDF:77.7/37

All: 304.187+/-113.645 χ^2/NDF: 126.1/70



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 651.696+/-0.122 χ^2/NDF:1241887.3/18

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 647.125+/-0.123 χ^2/NDF:204708.0/16

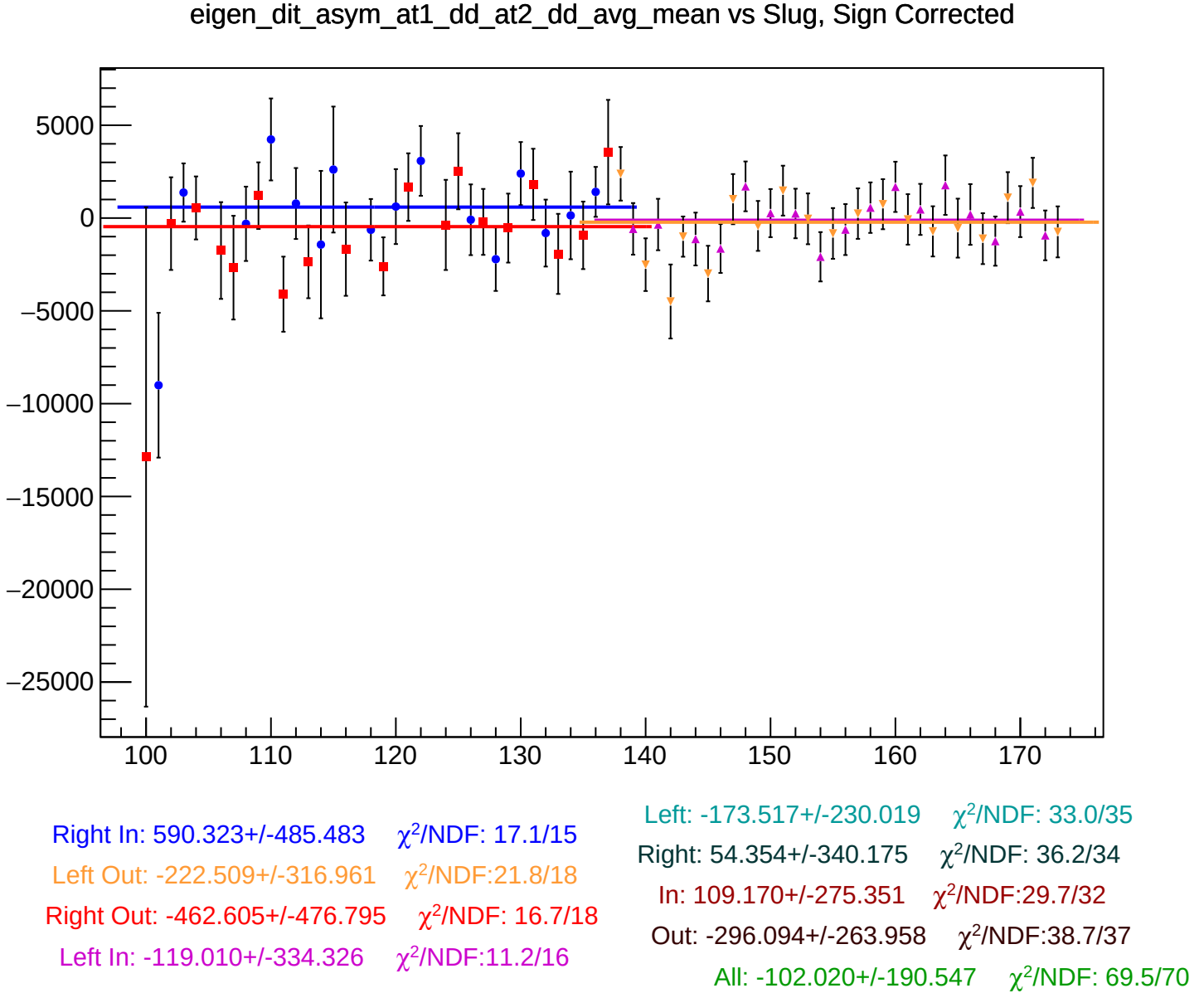
Left: 649.432+/-0.086 χ^2/NDF: 1447294.5/35

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 709.500+/-0.114 χ^2/NDF:3368626.4/32

Out: 716.450+/-0.114 χ^2/NDF:4929710.1/37

All: 712.979+/-0.080 χ^2/NDF: 8300206.5/70


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
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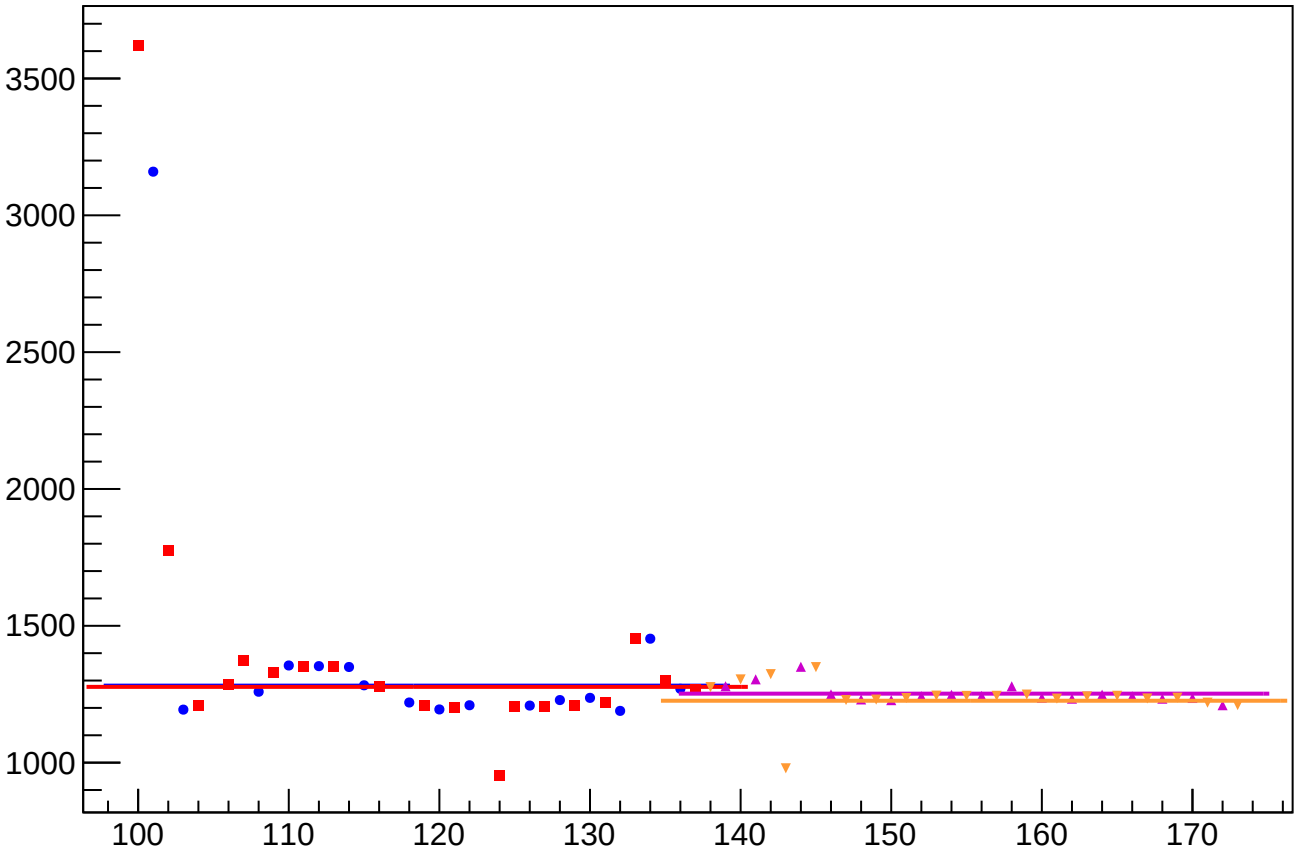
Right In: 590.323+/-485.483 χ²/NDF: 17.1/15
Left Out: -222.509+/-316.961 χ²/NDF:21.8/18
Right Out: -462.605+/-476.795 χ²/NDF: 16.7/18
Left In: -119.010+/-334.326 χ²/NDF:11.2/16
Left: -173.517+/-230.019 χ²/NDF: 33.0/35
Right: 54.354+/-340.175 χ²/NDF: 36.2/34
In: 109.170+/-275.351 χ²/NDF:29.7/32
Out: -296.094+/-263.958 χ²/NDF:38.7/37
All: -102.020+/-190.547 χ²/NDF: 69.5/70



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1226.218+/-0.224 χ^2/NDF:133256.4/18

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1252.084+/-0.236 χ^2/NDF:18592.7/16

Left: 1238.462+/-0.163 χ^2/NDF: 158154.0/35

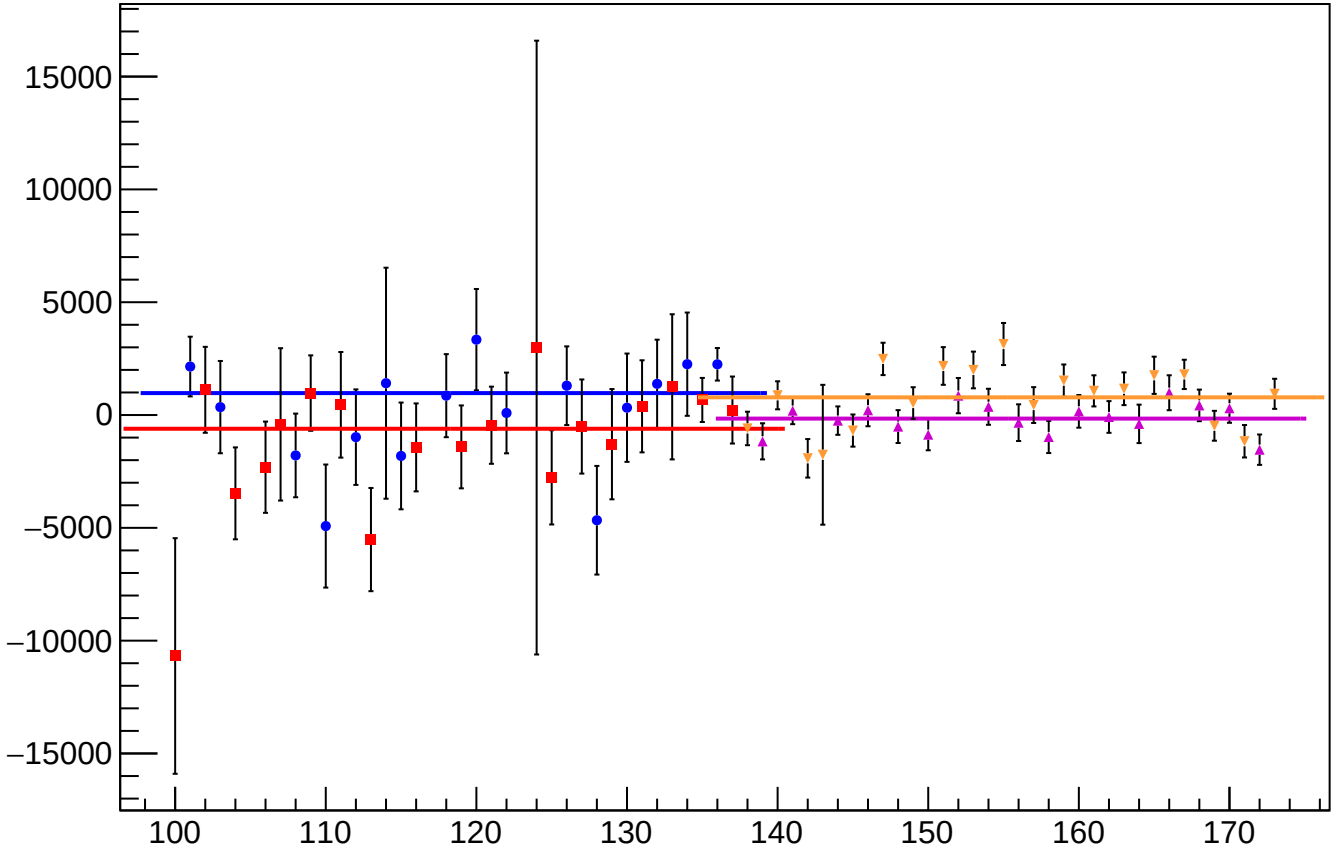
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1261.505+/-0.195 χ^2/NDF:530607.5/32

Out: 1241.739+/-0.187 χ^2/NDF:369417.5/37

All: 1251.204+/-0.135 χ^2/NDF: 905395.4/70

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 783.601+/-172.100 χ^2/NDF:52.2/18

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -158.267+/-173.692 χ^2/NDF:14.9/16

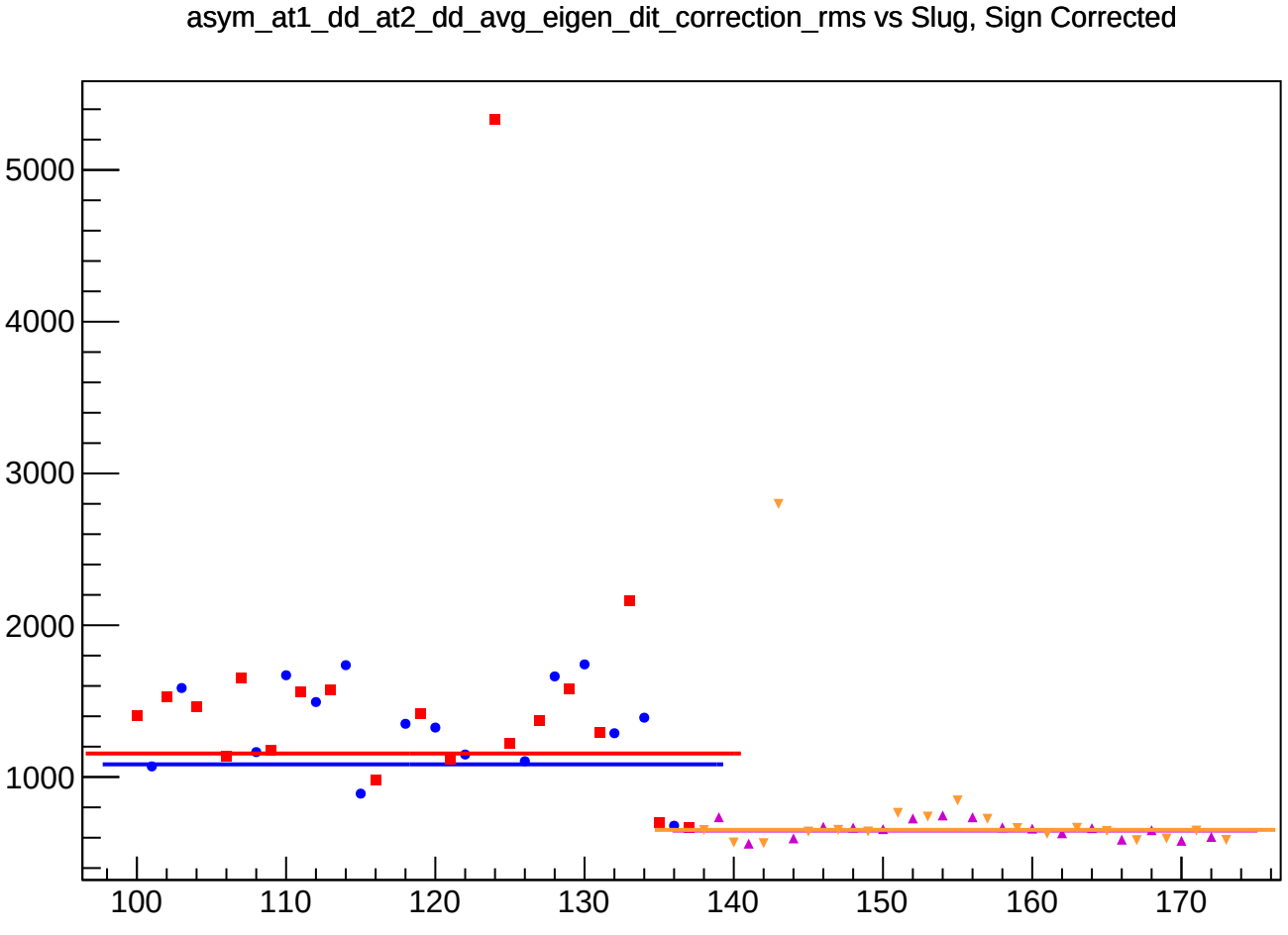
Left: 317.003+/-122.252 χ^2/NDF: 81.9/35

Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 3.393+/-160.794 χ^2/NDF:41.4/32

Out: 604.407+/-160.641 χ^2/NDF:77.7/37

All: 304.187+/-113.645 χ^2/NDF: 126.1/70


asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
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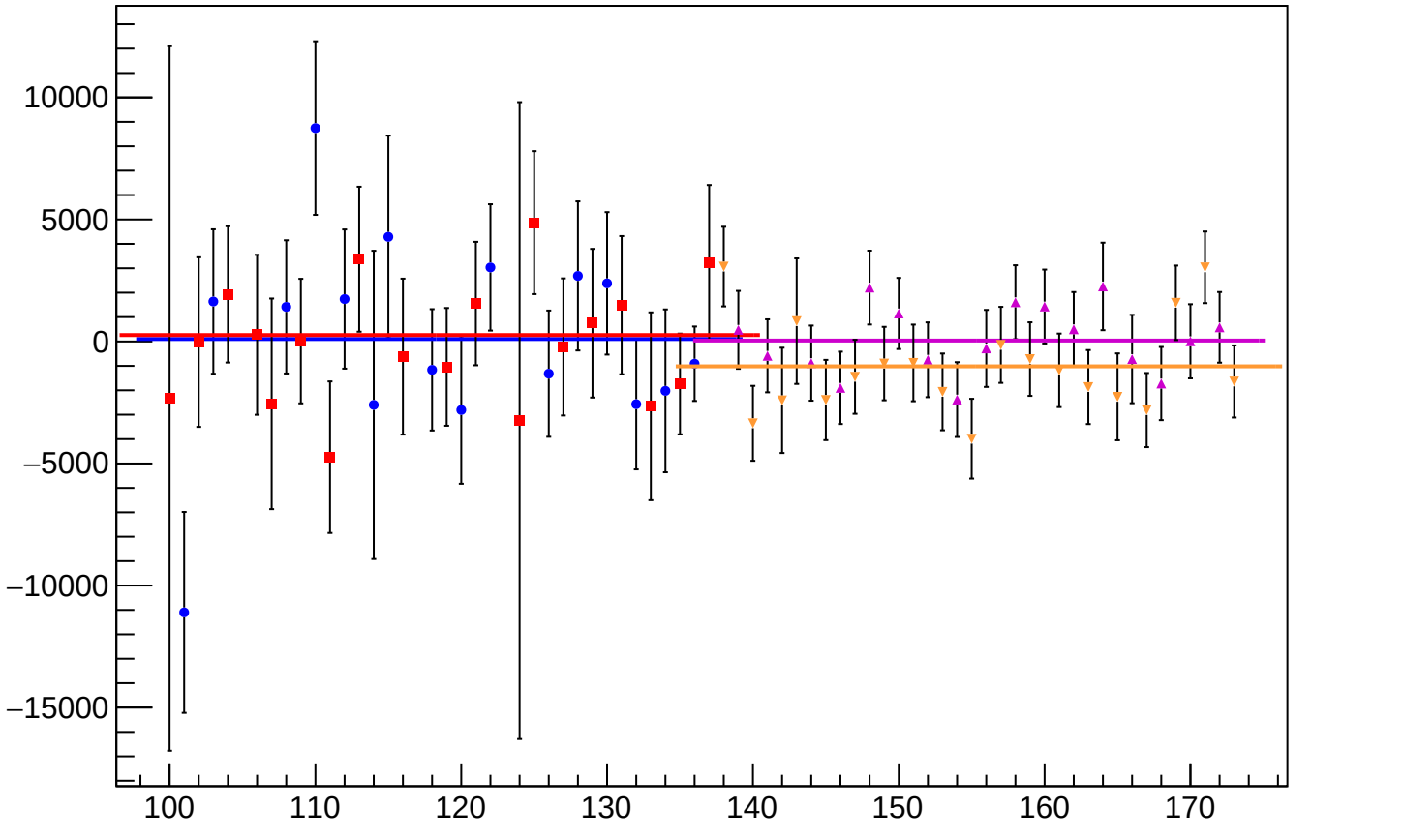
Right In: 1083.341+/-0.301 χ²/NDF: 1360095.7/15
Left Out: 651.696+/-0.122 χ²/NDF:1241884.0/18
Right Out: 1154.732+/-0.317 χ²/NDF: 1488251.4/18
Left In: 647.124+/-0.123 χ²/NDF:204712.5/16
Left: 649.431+/-0.086 χ²/NDF: 1447295.9/35
Right: 1117.196+/-0.218 χ²/NDF: 2875081.4/34
In: 709.500+/-0.114 χ²/NDF:3368621.3/32
Out: 716.451+/-0.114 χ²/NDF:4929701.6/37
All: 712.979+/-0.080 χ²/NDF: 8300193.3/70



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1018.747+/-366.975 χ^2/NDF:27.3/18

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 38.667+/-373.987 χ^2/NDF:13.0/16

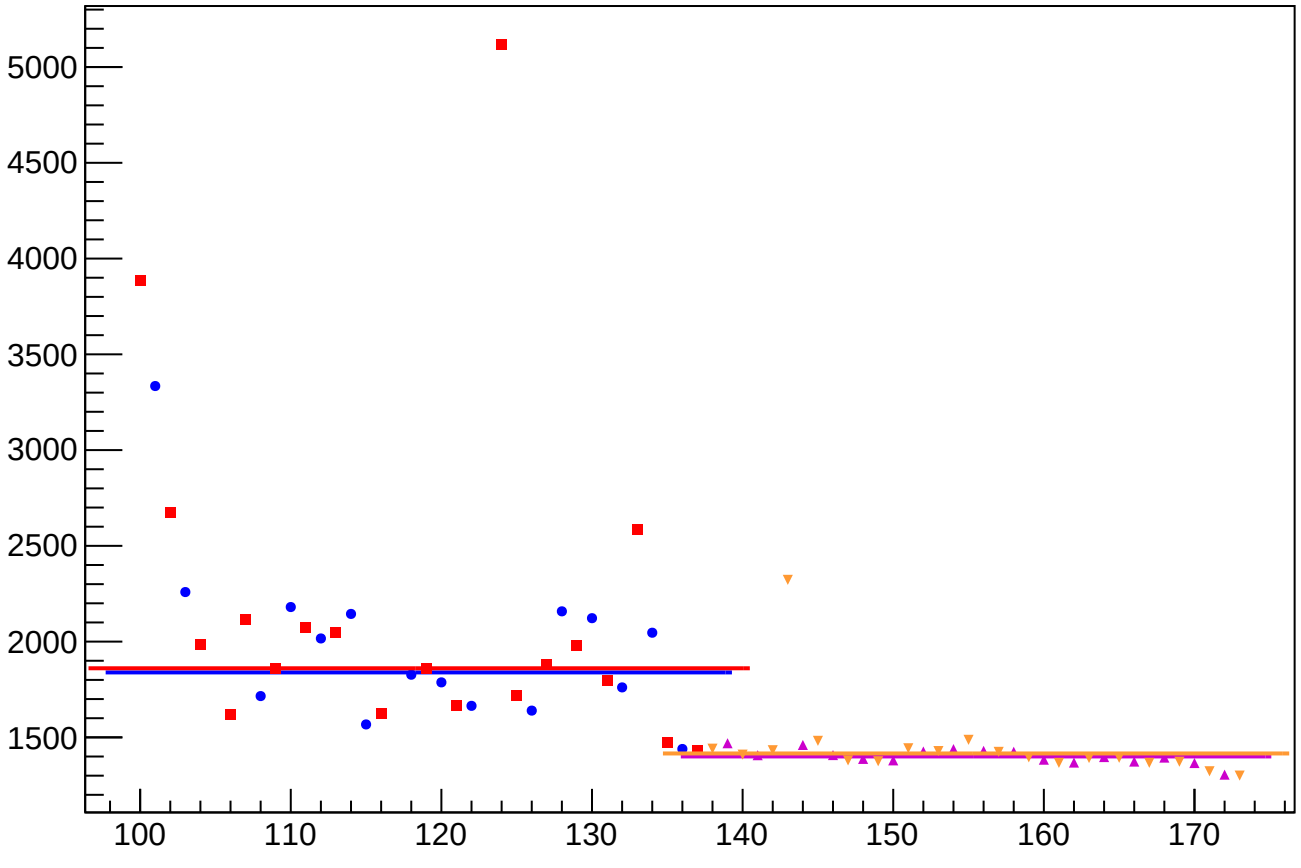
Left: -500.046+/-261.934 χ^2/NDF: 44.4/35

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 52.417+/-329.754 χ^2/NDF:34.3/32

Out: -742.307+/-324.992 χ^2/NDF:40.3/37

All: -350.725+/-231.469 χ^2/NDF: 77.5/70



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1415.940+/-0.259 χ^2/NDF:286675.4/18

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1400.431+/-0.264 χ^2/NDF:21658.6/16

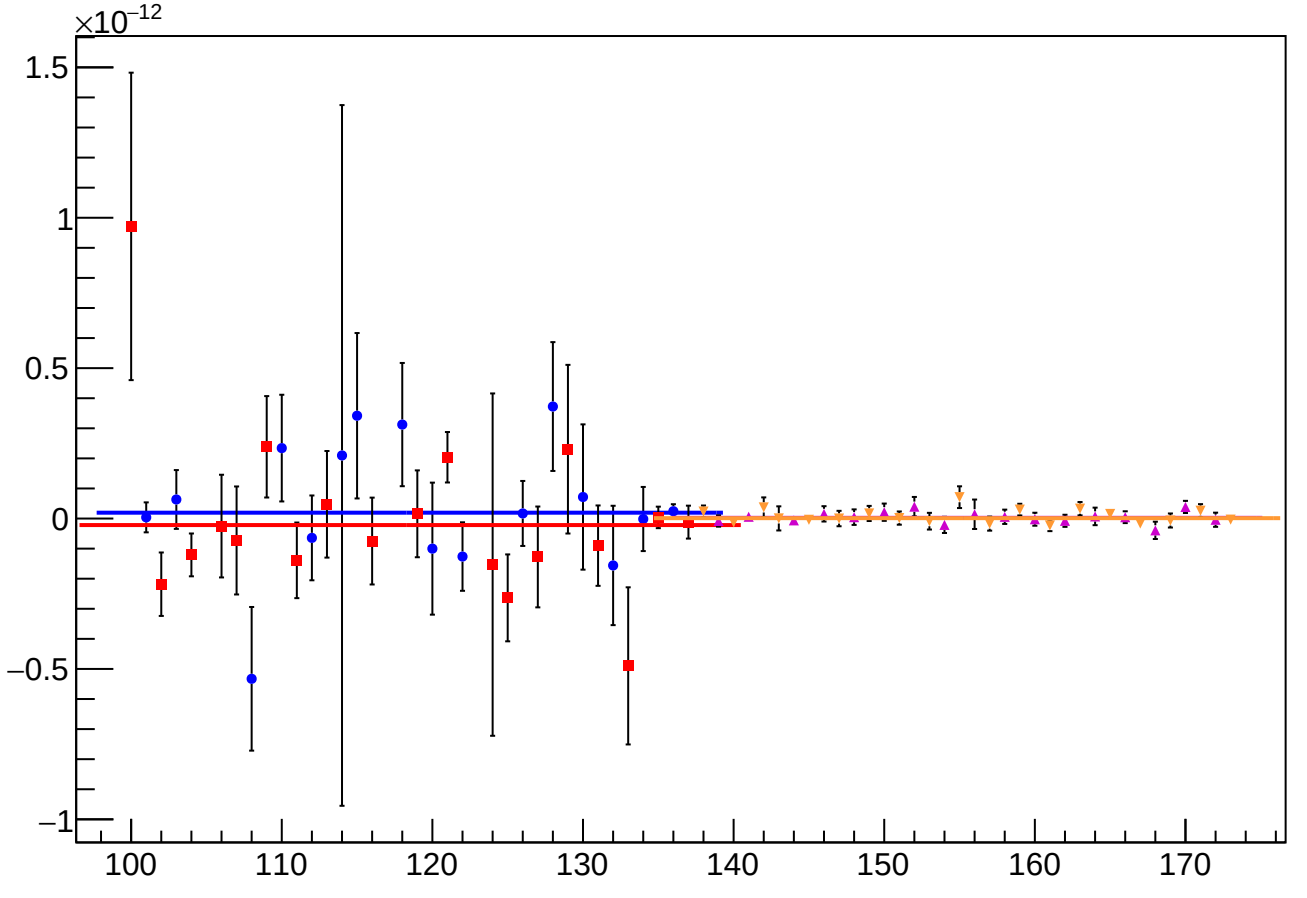
Left: 1408.332+/-0.185 χ^2/NDF: 310086.4/35

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1498.064+/-0.233 χ^2/NDF:1190827.1/32

Out: 1511.897+/-0.230 χ^2/NDF:1442675.9/37

All: 1505.081+/-0.164 χ^2/NDF: 2635288.4/70



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/18

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9.3/16

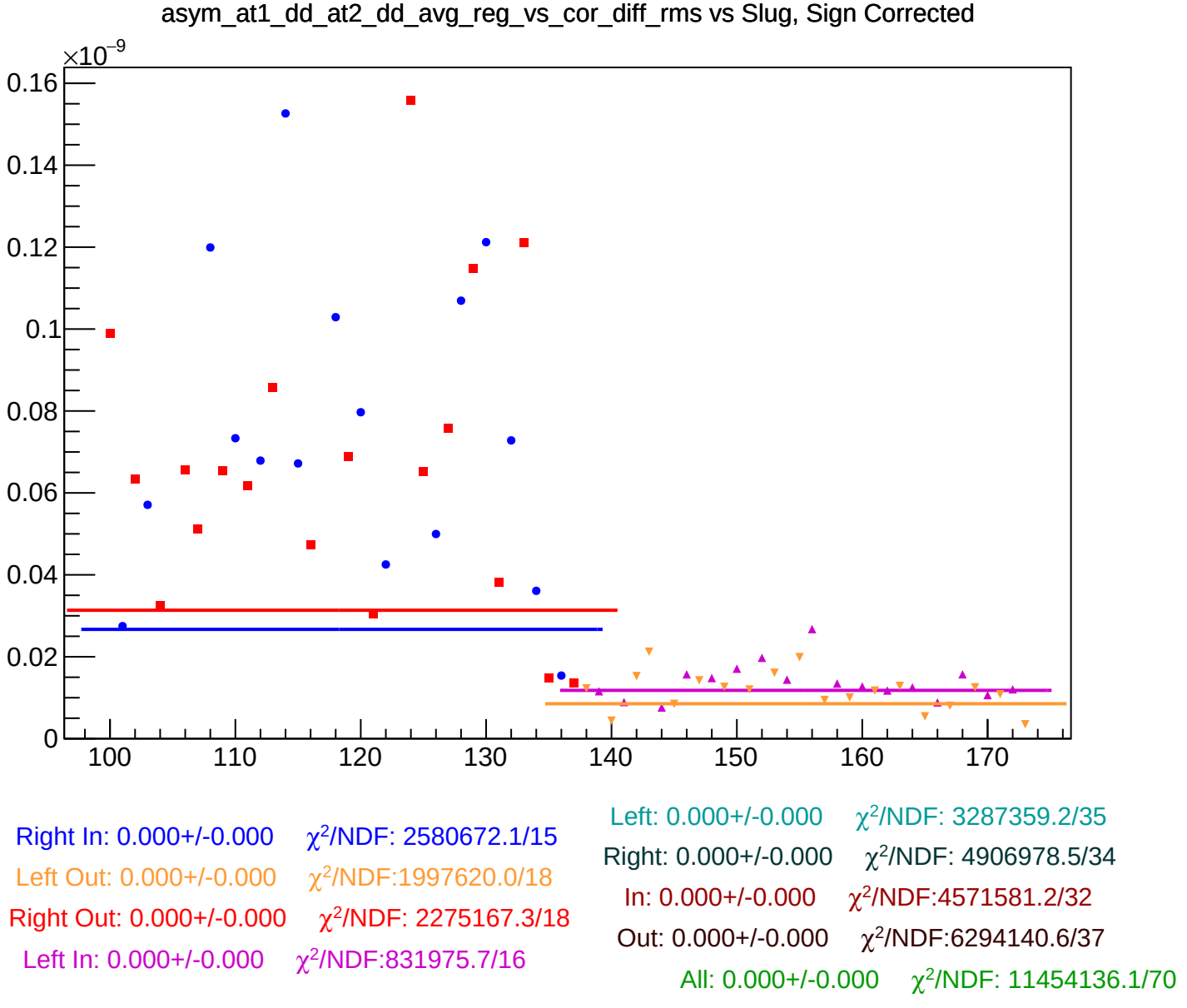
Left: 0.000+/-0.000 χ^2/NDF: 28.0/35

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:26.6/32

Out: 0.000+/-0.000 χ^2/NDF:47.9/37

All: 0.000+/-0.000 χ^2/NDF: 74.7/70


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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0.14
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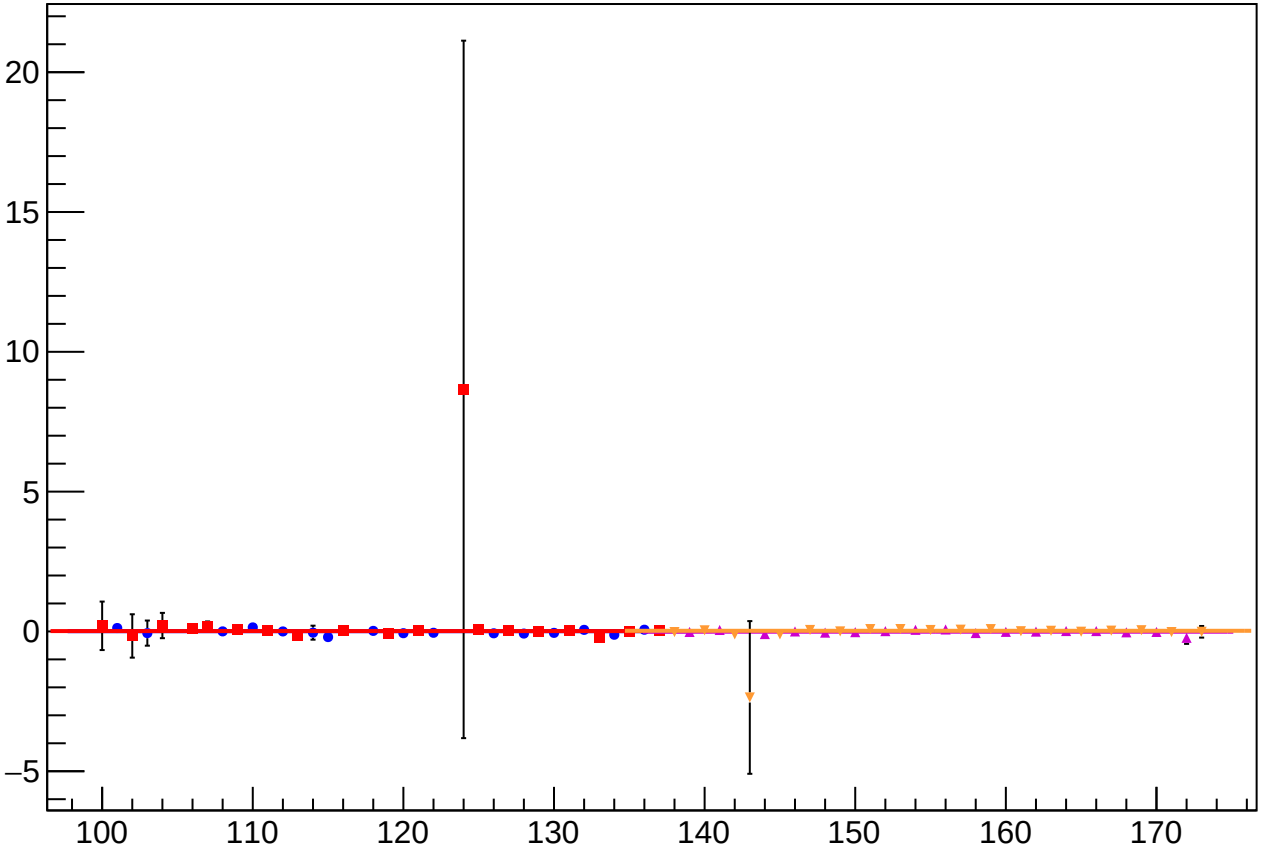
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2580672.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1997620.0/18
Right Out: 0.000+/-0.000 χ²/NDF: 2275167.3/18
Left In: 0.000+/-0.000 χ²/NDF:831975.7/16
Left: 0.000+/-0.000 χ²/NDF: 3287359.2/35
Right: 0.000+/-0.000 χ²/NDF: 4906978.5/34
In: 0.000+/-0.000 χ²/NDF:4571581.2/32
Out: 0.000+/-0.000 χ²/NDF:6294140.6/37
All: 0.000+/-0.000 χ²/NDF: 11454136.1/70

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: 0.023+/-0.010 χ^2/NDF:18.1/18

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.8/16

Left: 0.006+/-0.007 χ^2/NDF: 35.4/35

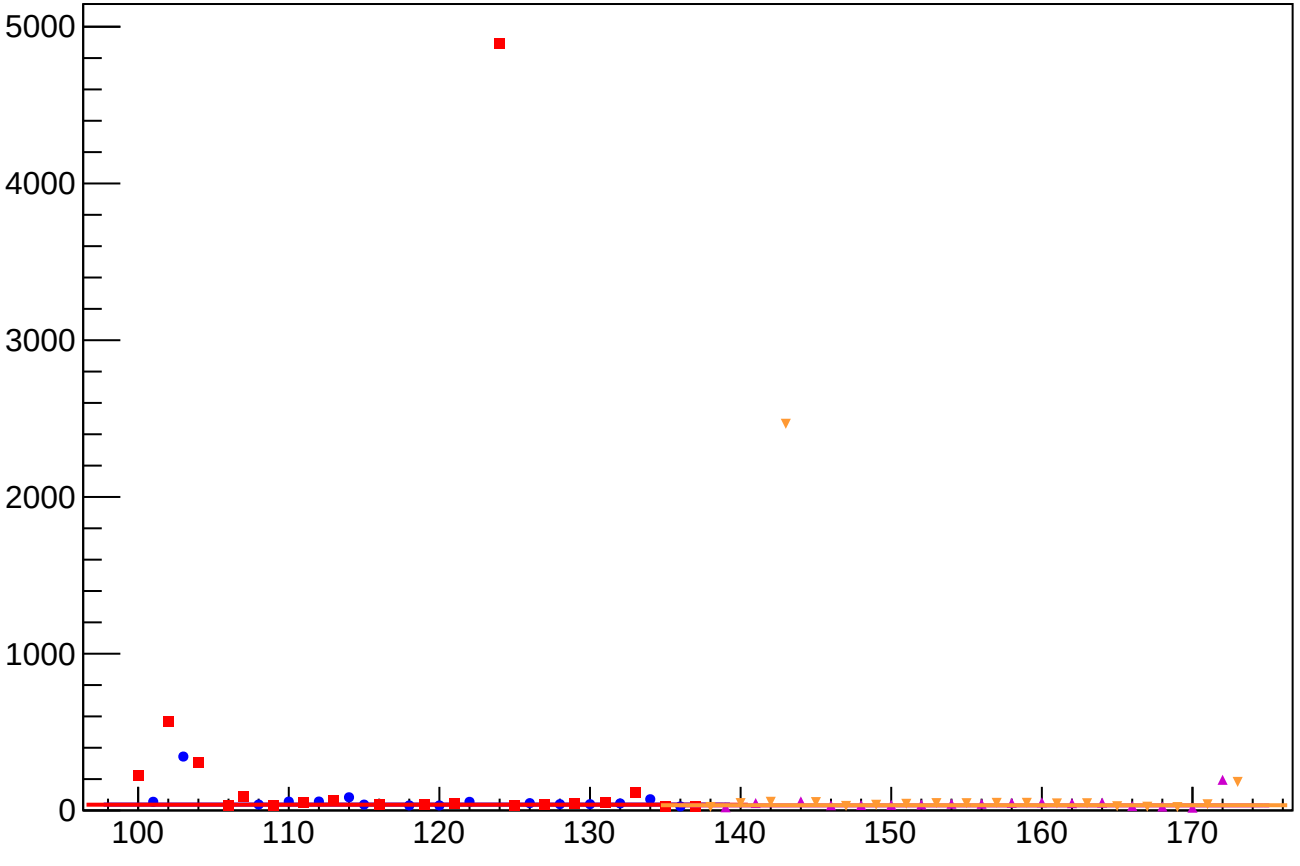
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/32

Out: 0.020+/-0.009 χ^2/NDF:31.0/37

All: 0.007+/-0.006 χ^2/NDF: 67.4/70

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.336+/-0.007 χ^2/NDF:4999907.8/18

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.231+/-0.007 χ^2/NDF:3841713.7/16

Left: 32.770+/-0.005 χ^2/NDF: 8853573.4/35

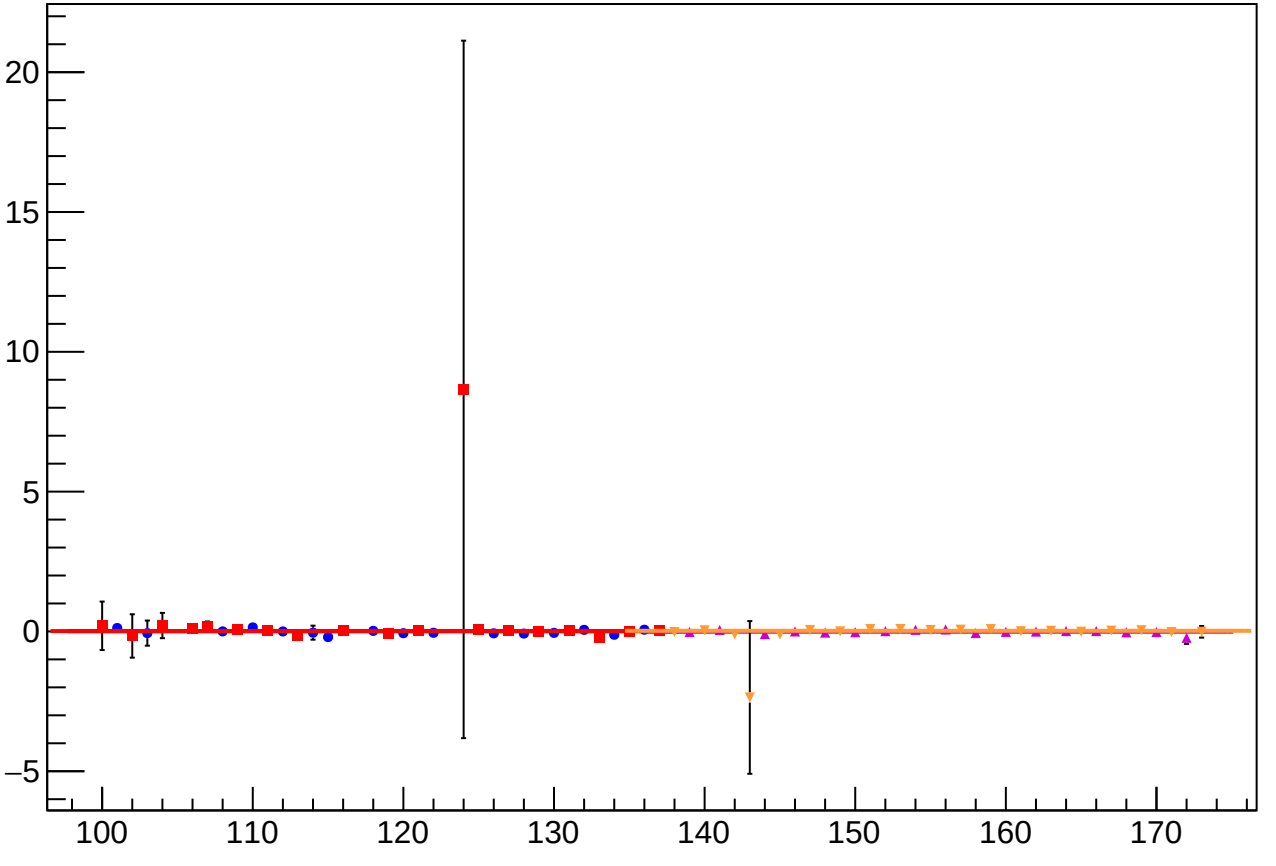
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.694+/-0.006 χ^2/NDF:5979721.6/32

Out: 34.280+/-0.006 χ^2/NDF:8252406.4/37

All: 33.979+/-0.004 χ^2/NDF: 14236770.7/70

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: 0.023+/-0.010 χ^2/NDF:18.1/18

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.8/16

Left: 0.006+/-0.007 χ^2/NDF: 35.4/35

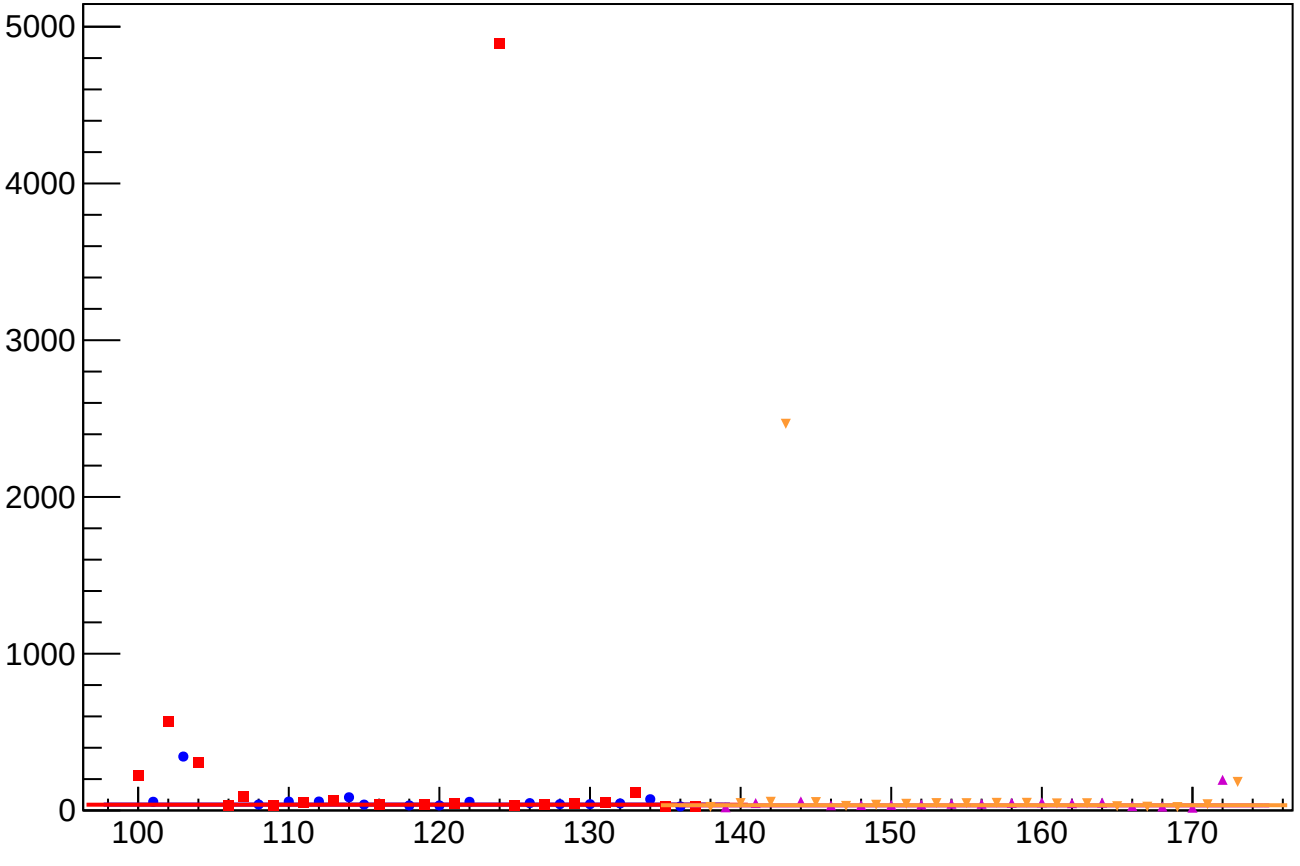
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/32

Out: 0.020+/-0.009 χ^2/NDF:31.0/37

All: 0.007+/-0.006 χ^2/NDF: 67.4/70

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.336+/-0.007 χ^2/NDF:4999907.8/18

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.231+/-0.007 χ^2/NDF:3841713.7/16

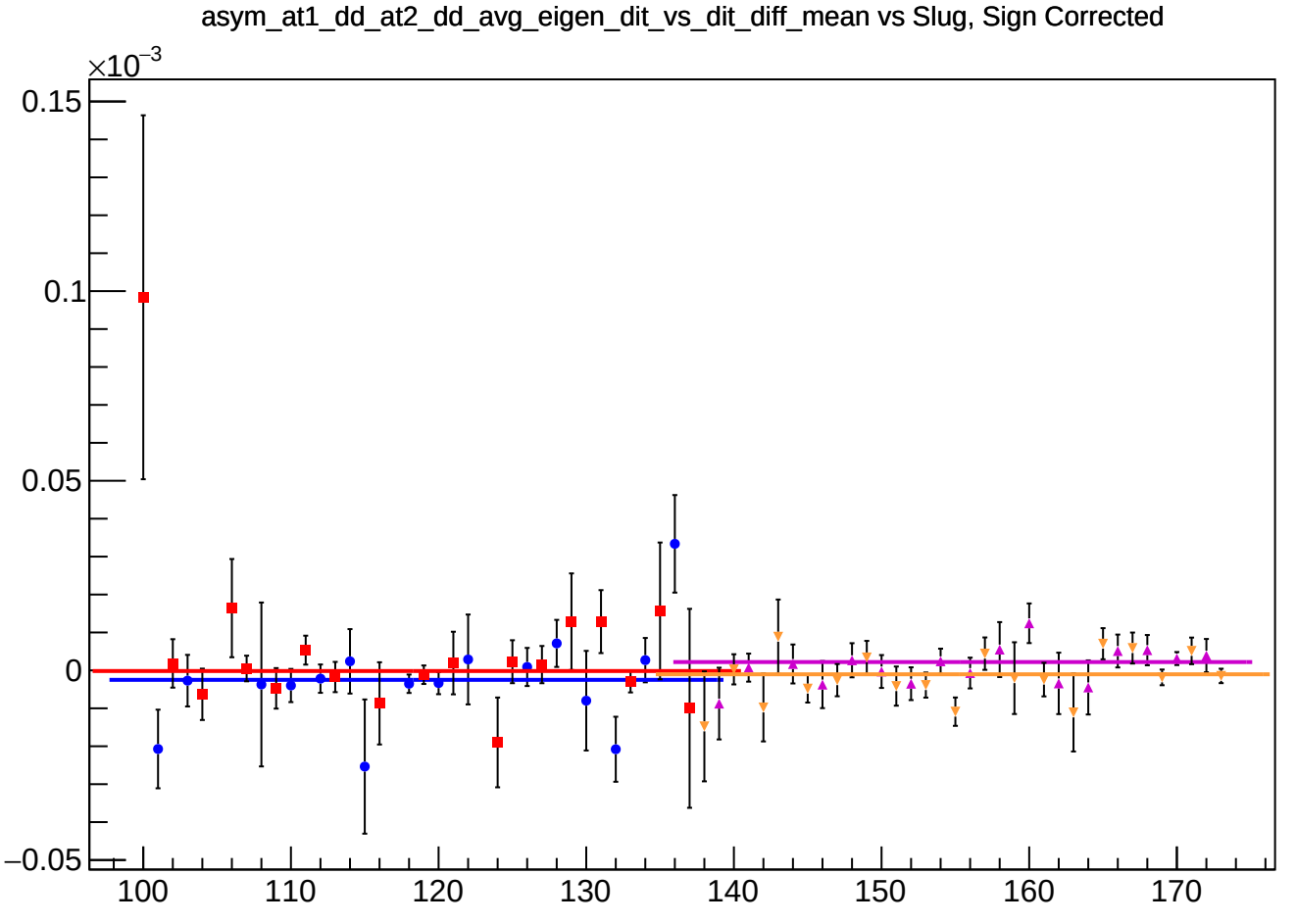
Left: 32.770+/-0.005 χ^2/NDF: 8853573.4/35

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.694+/-0.006 χ^2/NDF:5979721.6/32

Out: 34.280+/-0.006 χ^2/NDF:8252406.4/37

All: 33.979+/-0.004 χ^2/NDF: 14236770.7/70



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/18

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.9/16

Left: 0.000+/-0.000 χ^2/NDF: 44.0/35

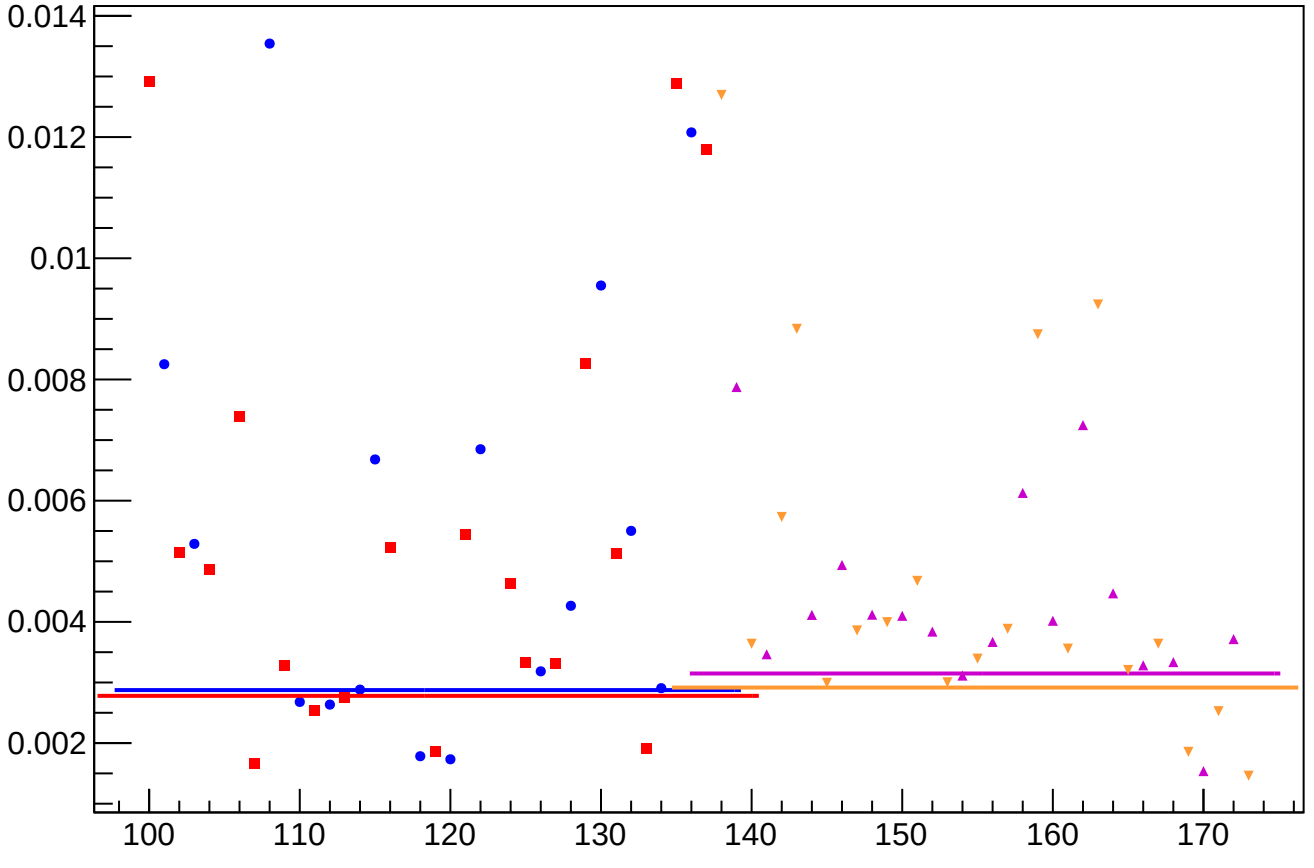
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: 0.000+/-0.000 χ^2/NDF:42.1/32

Out: -0.000+/-0.000 χ^2/NDF:45.2/37

All: -0.000+/-0.000 χ^2/NDF: 88.7/70

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: 0.003+/-0.000 χ^2/NDF:5845499.8/18

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.003+/-0.000 χ^2/NDF:3809638.2/16

Left: 0.003+/-0.000 χ^2/NDF: 9718084.8/35

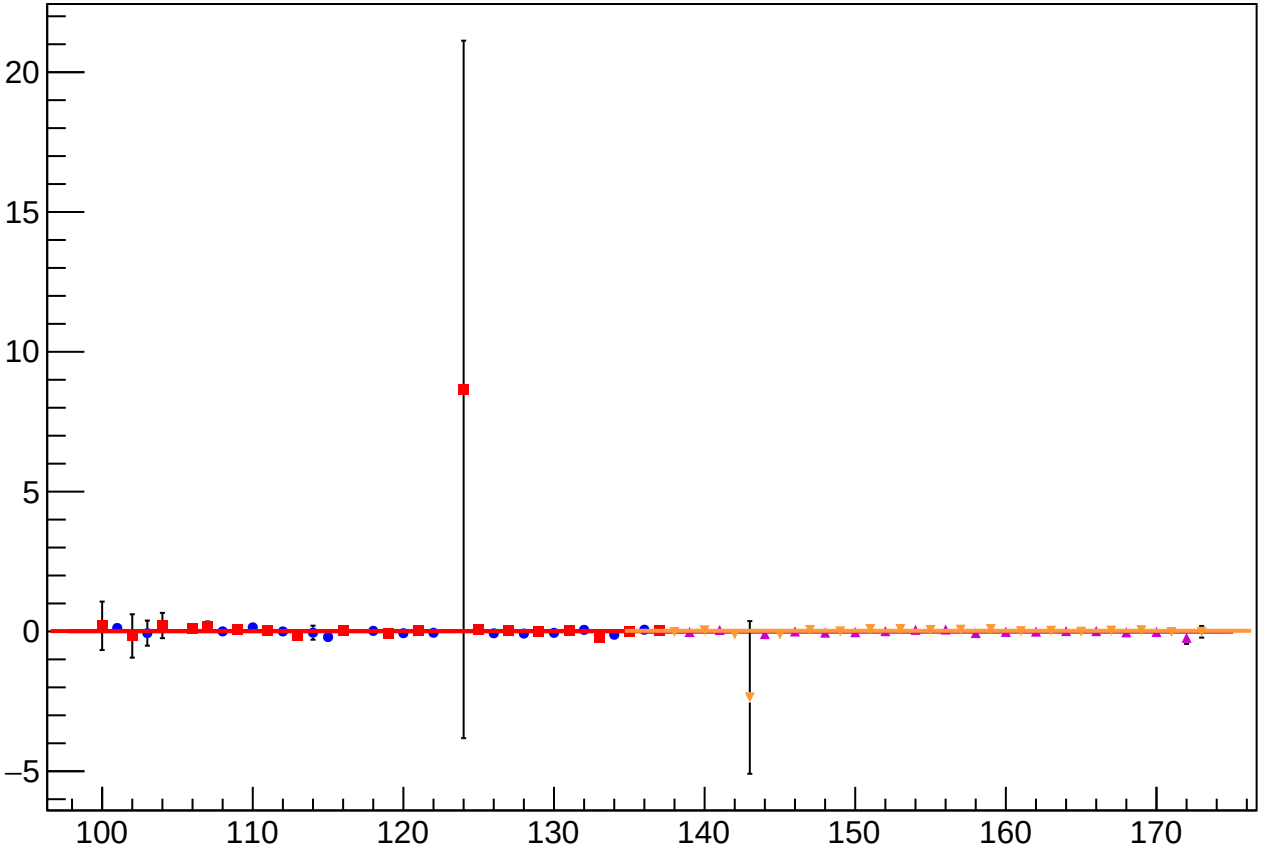
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:8018320.2/32

Out: 0.003+/-0.000 χ^2/NDF:9174219.6/37

All: 0.003+/-0.000 χ^2/NDF: 17253394.2/70

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: 0.023+/-0.010 χ^2/NDF:18.1/18

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.8/16

Left: 0.006+/-0.007 χ^2/NDF: 35.4/35

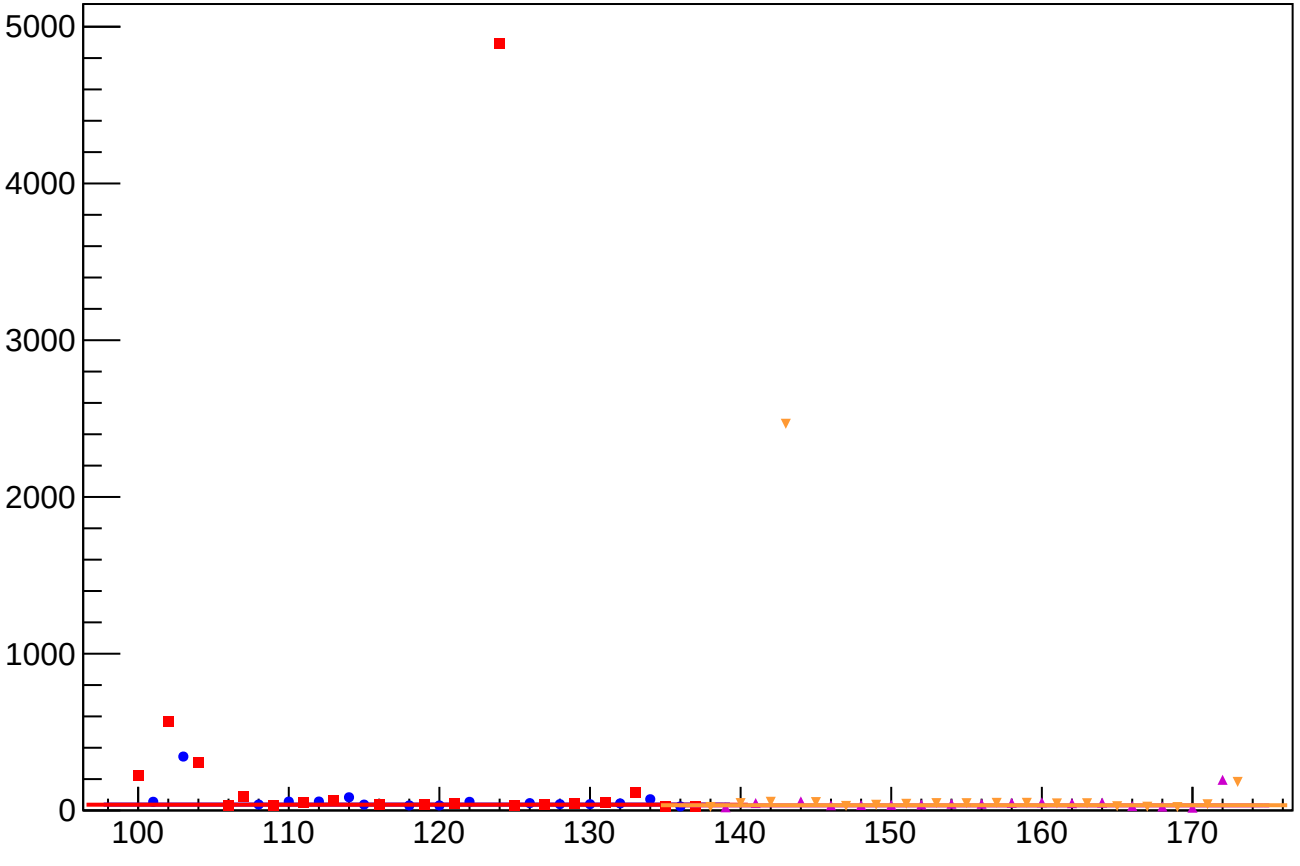
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/32

Out: 0.020+/-0.009 χ^2/NDF:31.0/37

All: 0.007+/-0.006 χ^2/NDF: 67.4/70

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.335+/-0.007 χ^2/NDF:4999975.4/18

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.234+/-0.007 χ^2/NDF:3840563.7/16

Left: 32.770+/-0.005 χ^2/NDF: 8852422.9/35

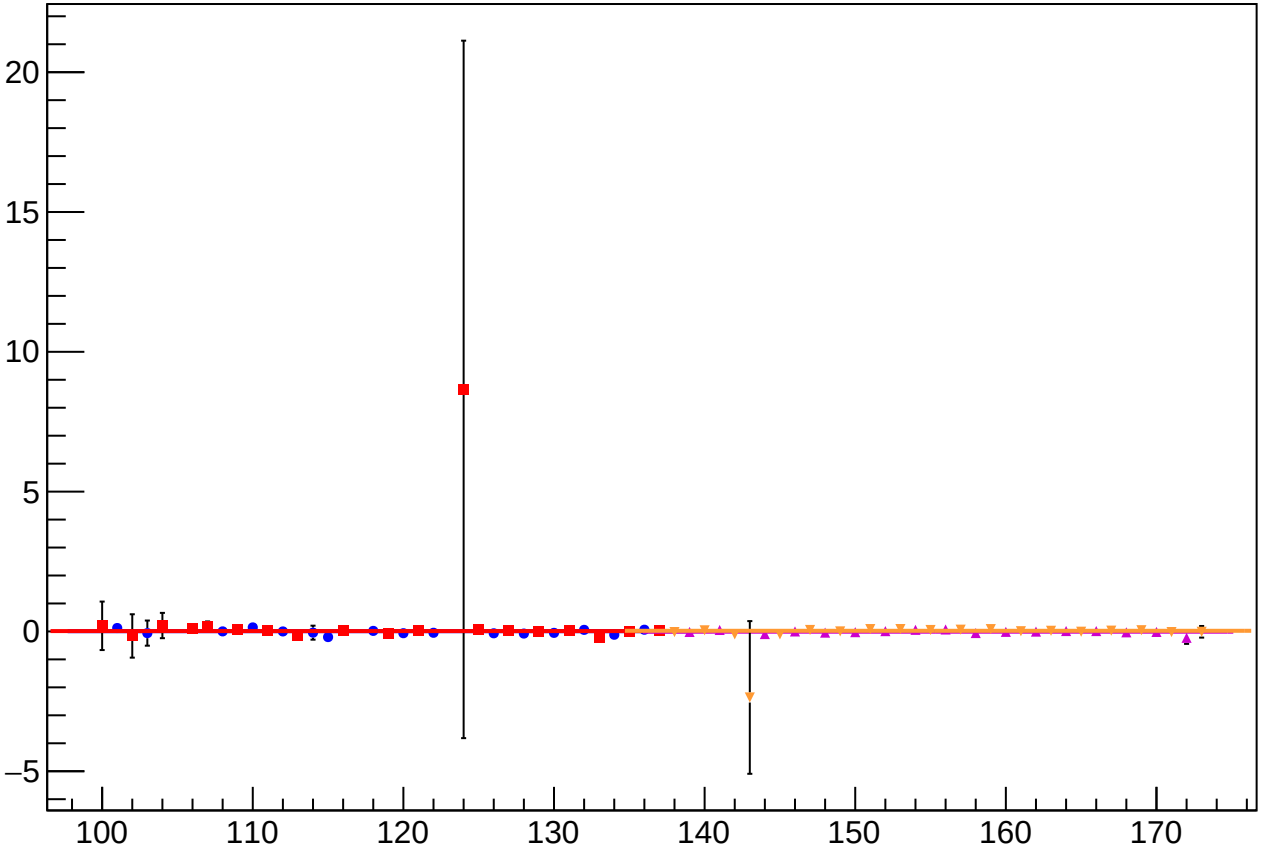
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.696+/-0.006 χ^2/NDF:5978399.0/32

Out: 34.280+/-0.006 χ^2/NDF:8252266.9/37

All: 33.980+/-0.004 χ^2/NDF: 14235276.0/70

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: 0.023+/-0.010 χ^2/NDF:18.1/18

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.8/16

Left: 0.006+/-0.007 χ^2/NDF: 35.4/35

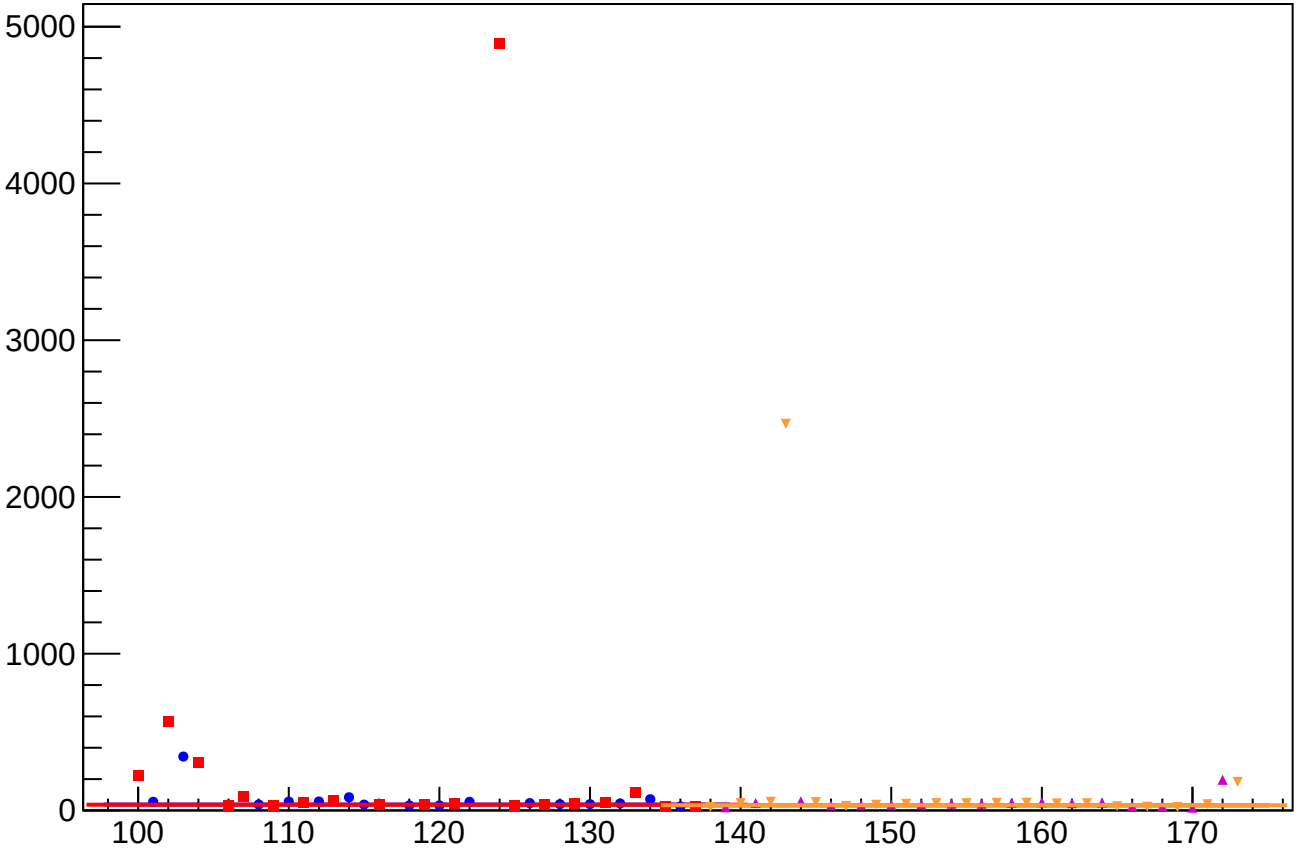
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/32

Out: 0.020+/-0.009 χ^2/NDF:31.0/37

All: 0.007+/-0.006 χ^2/NDF: 67.4/70

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.335+/-0.007 χ^2/NDF:4999975.4/18

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.234+/-0.007 χ^2/NDF:3840563.7/16

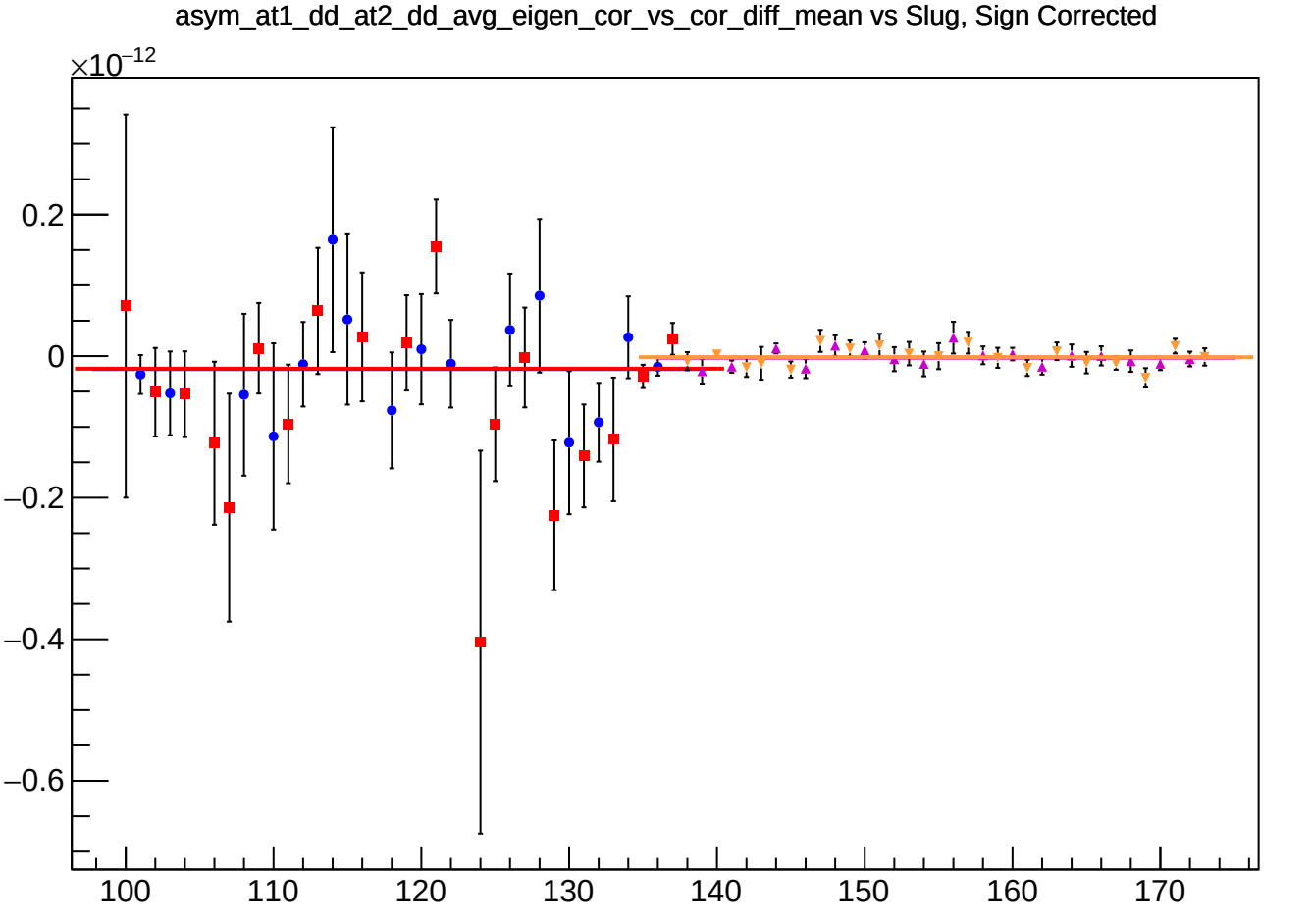
Left: 32.770+/-0.005 χ^2/NDF: 8852422.9/35

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.696+/-0.006 χ^2/NDF:5978399.0/32

Out: 34.280+/-0.006 χ^2/NDF:8252266.9/37

All: 33.980+/-0.004 χ^2/NDF: 14235276.0/70



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.5/18

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.8/16

Left: -0.000+/-0.000 χ^2/NDF: 35.4/35

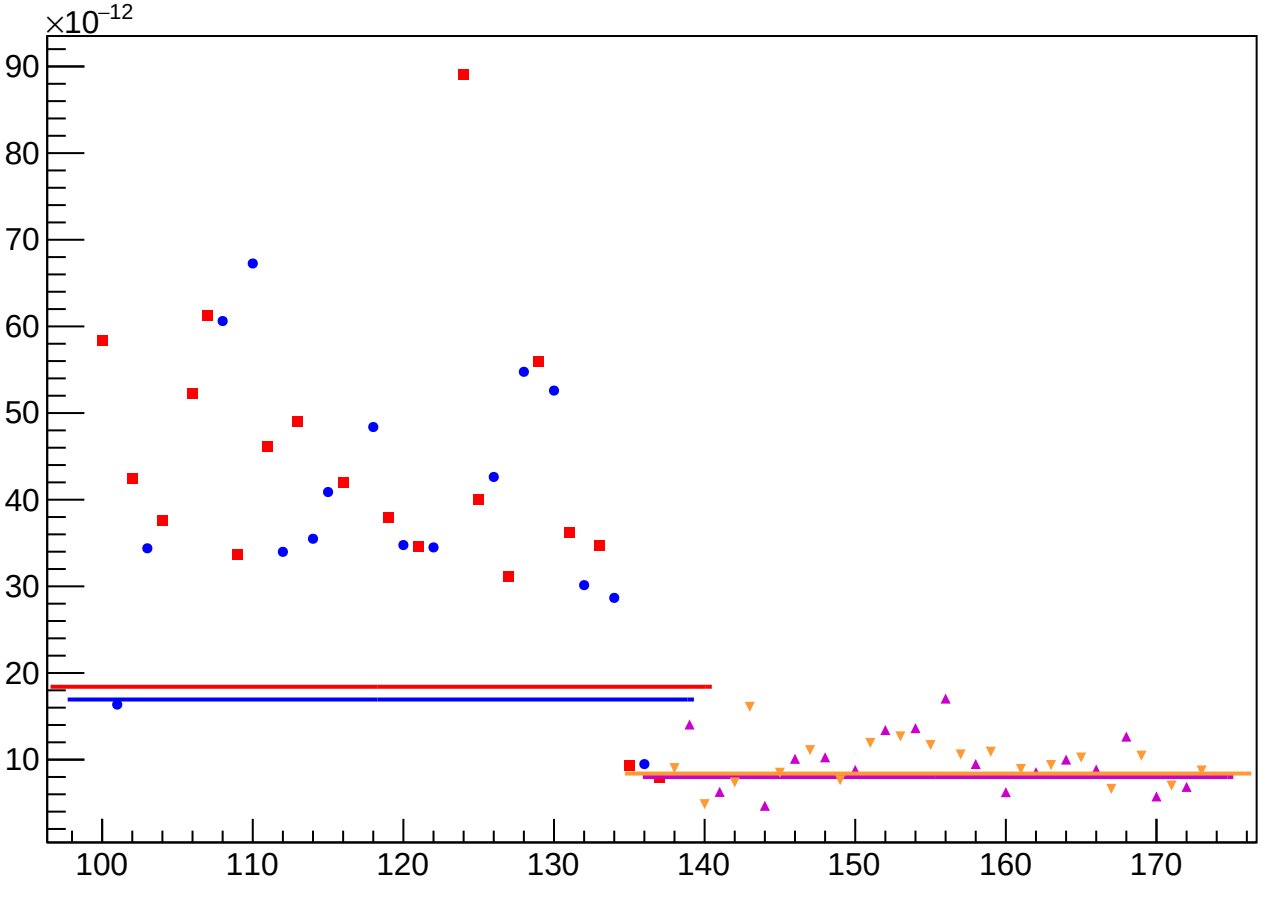
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:25.6/32

Out: -0.000+/-0.000 χ^2/NDF:49.8/37

All: -0.000+/-0.000 χ^2/NDF: 75.4/70

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:1452973.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2099597.1/16

Left: 0.000+/-0.000 χ^2/NDF: 3572636.2/35

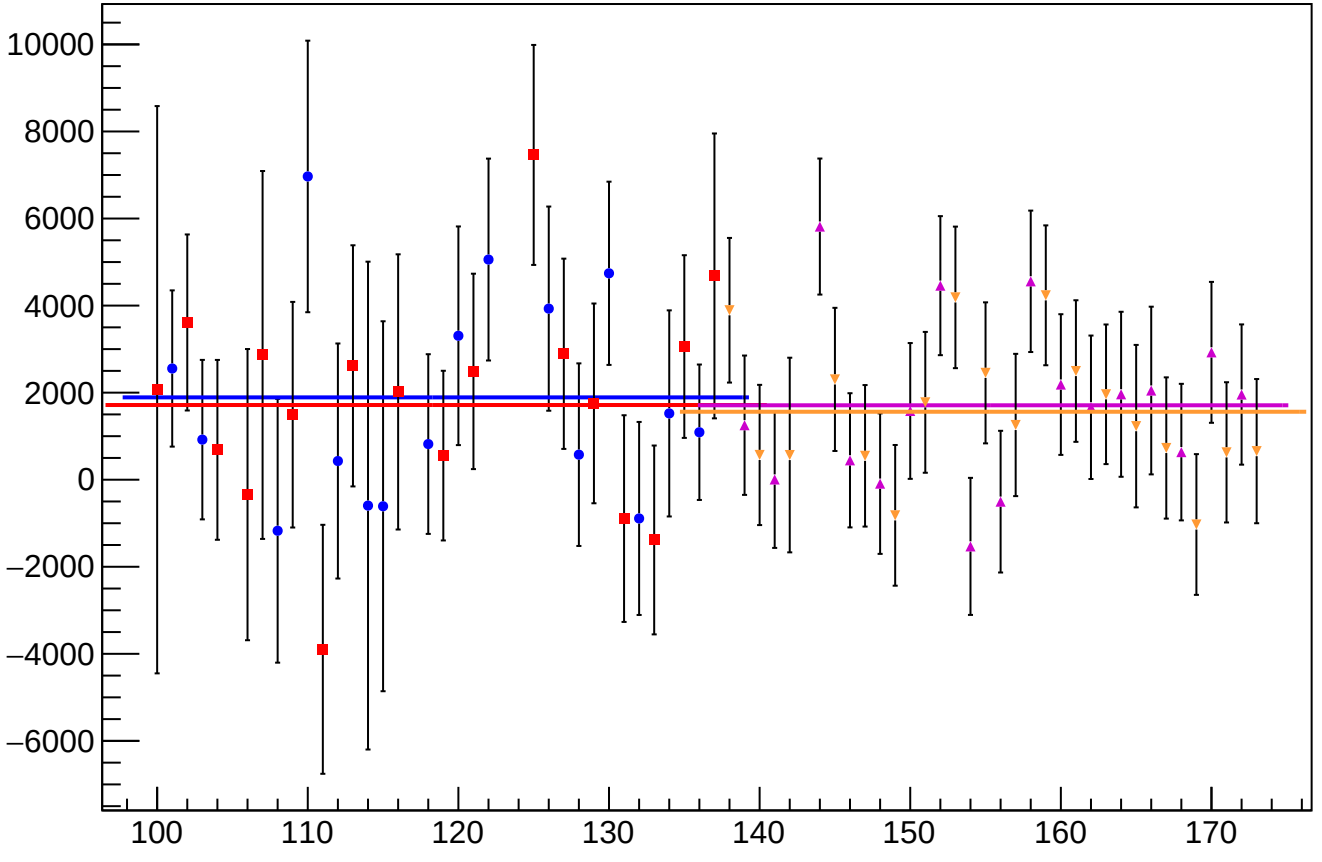
Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:6812251.8/32

Out: 0.000+/-0.000 χ^2/NDF:6669415.5/37

All: 0.000+/-0.000 χ^2/NDF: 13497432.4/70

reg_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1561.311+/-390.780 χ^2/NDF:14.9/17

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1709.643+/-393.907 χ^2/NDF:23.4/16

Left: 1634.886+/-277.422 χ^2/NDF: 38.4/34

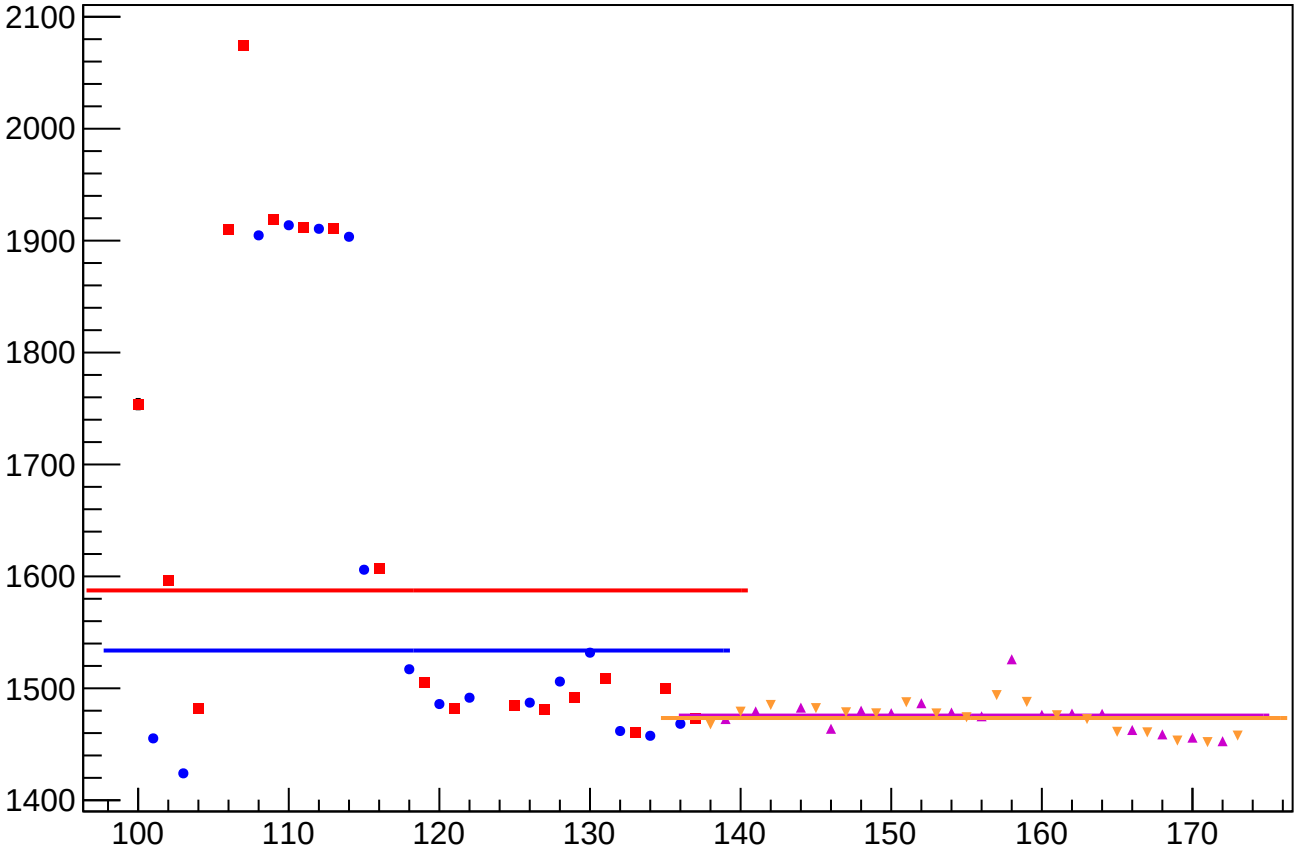
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1768.096+/-324.466 χ^2/NDF:35.7/32

Out: 1608.505+/-325.717 χ^2/NDF:31.0/35

All: 1688.608+/-229.873 χ^2/NDF: 66.8/68

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1473.466+/-0.276 χ^2/NDF:1896.9/17

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1475.634+/-0.279 χ^2/NDF:3238.8/16

Left: 1474.541+/-0.196 χ^2/NDF: 5166.2/34

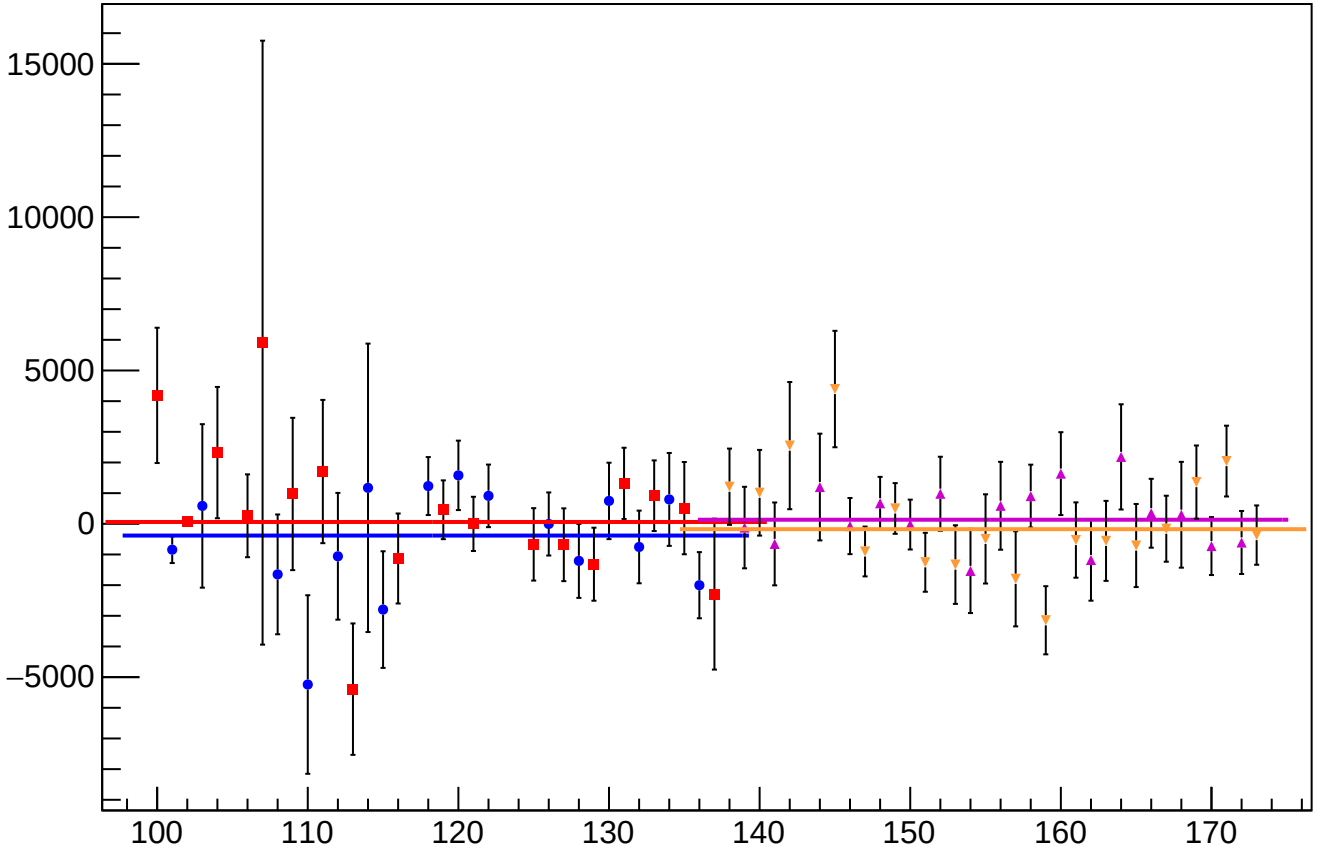
Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1494.324+/-0.229 χ^2/NDF:146516.8/32

Out: 1508.265+/-0.230 χ^2/NDF:225840.2/35

All: 1501.268+/-0.163 χ^2/NDF: 374196.0/68

asym_usl_atl1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -175.310+/-275.066 χ^2/NDF:27.0/17

Right Out: 59.970+/-127.700 χ^2/NDF: 17.8/17

Left In: 133.234+/-279.447 χ^2/NDF:8.9/16

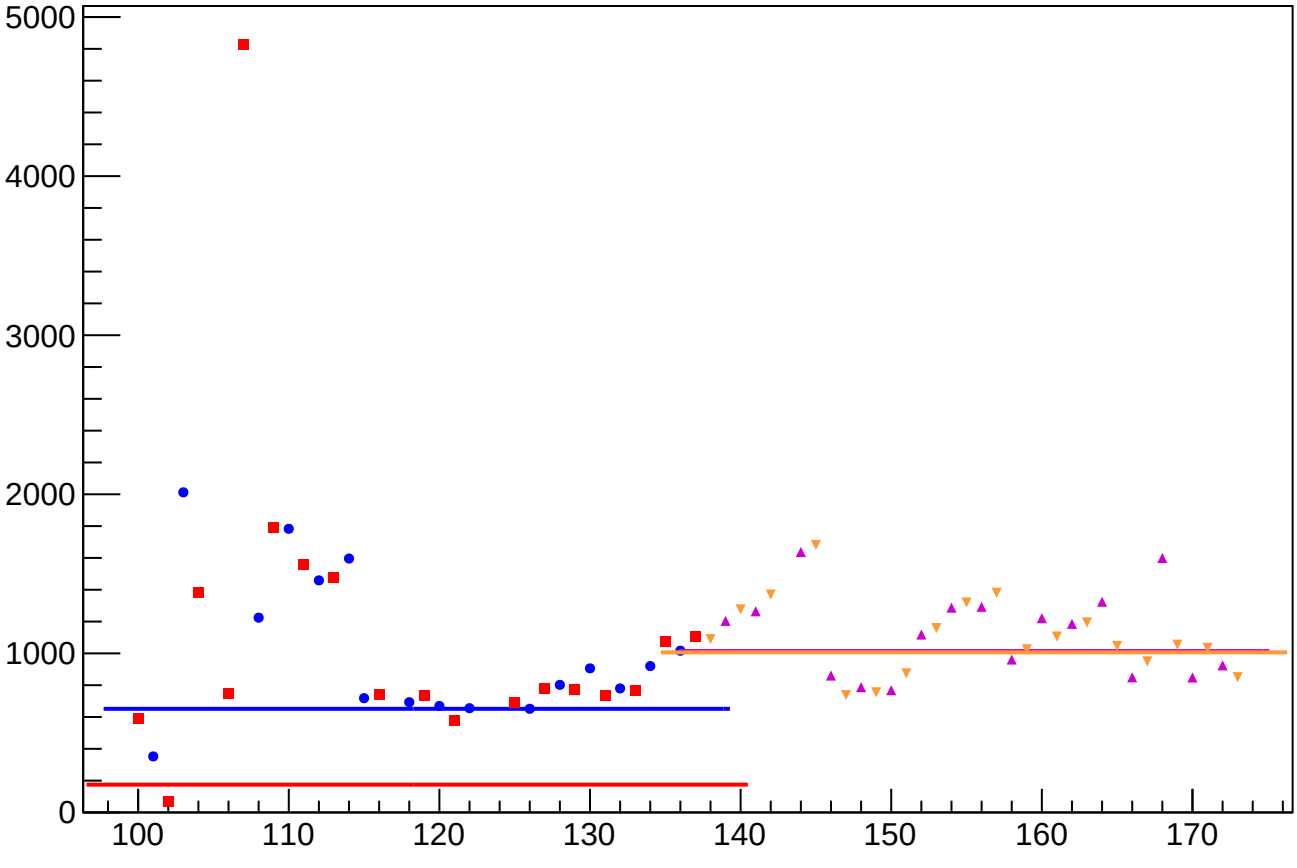
Left: -23.475+/-196.032 χ^2/NDF: 36.5/34

Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -131.546+/-194.989 χ^2/NDF:28.8/32

Out: 18.252+/-115.827 χ^2/NDF:45.4/35

All: -20.819+/-99.583 χ^2/NDF: 74.7/68



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1006.073+/-0.195 χ^2/NDF:1196757.3/17

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1014.475+/-0.198 χ^2/NDF:1414137.6/16

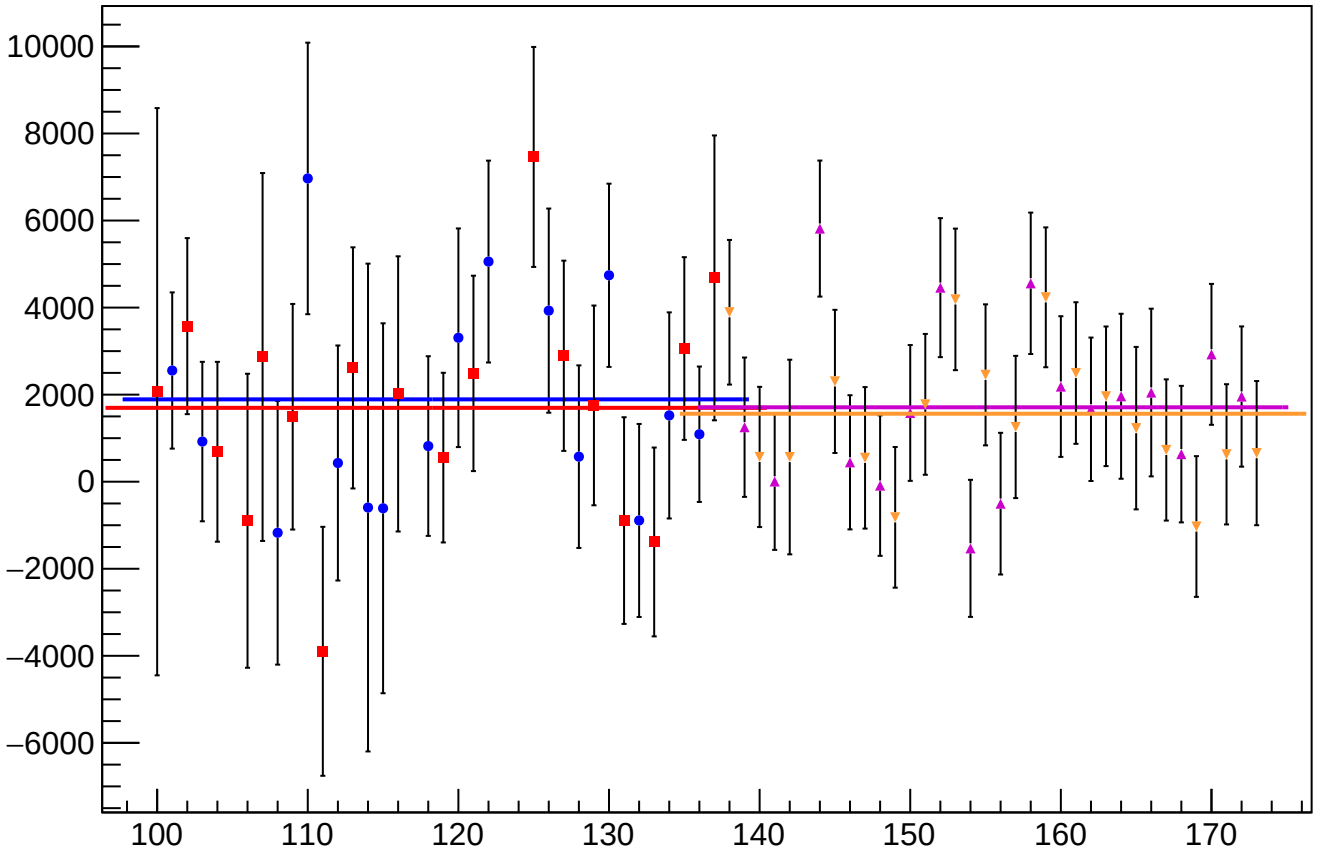
Left: 1010.208+/-0.139 χ^2/NDF: 2611813.0/34

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 828.238+/-0.138 χ^2/NDF:5907992.7/32

Out: 322.278+/-0.082 χ^2/NDF:25981576.9/35

All: 454.244+/-0.070 χ^2/NDF: 41843385.1/68



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1561.304+/-390.780 χ^2/NDF:14.9/17

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1709.700+/-393.907 χ^2/NDF:23.4/16

Left: 1634.911+/-277.422 χ^2/NDF: 38.4/34

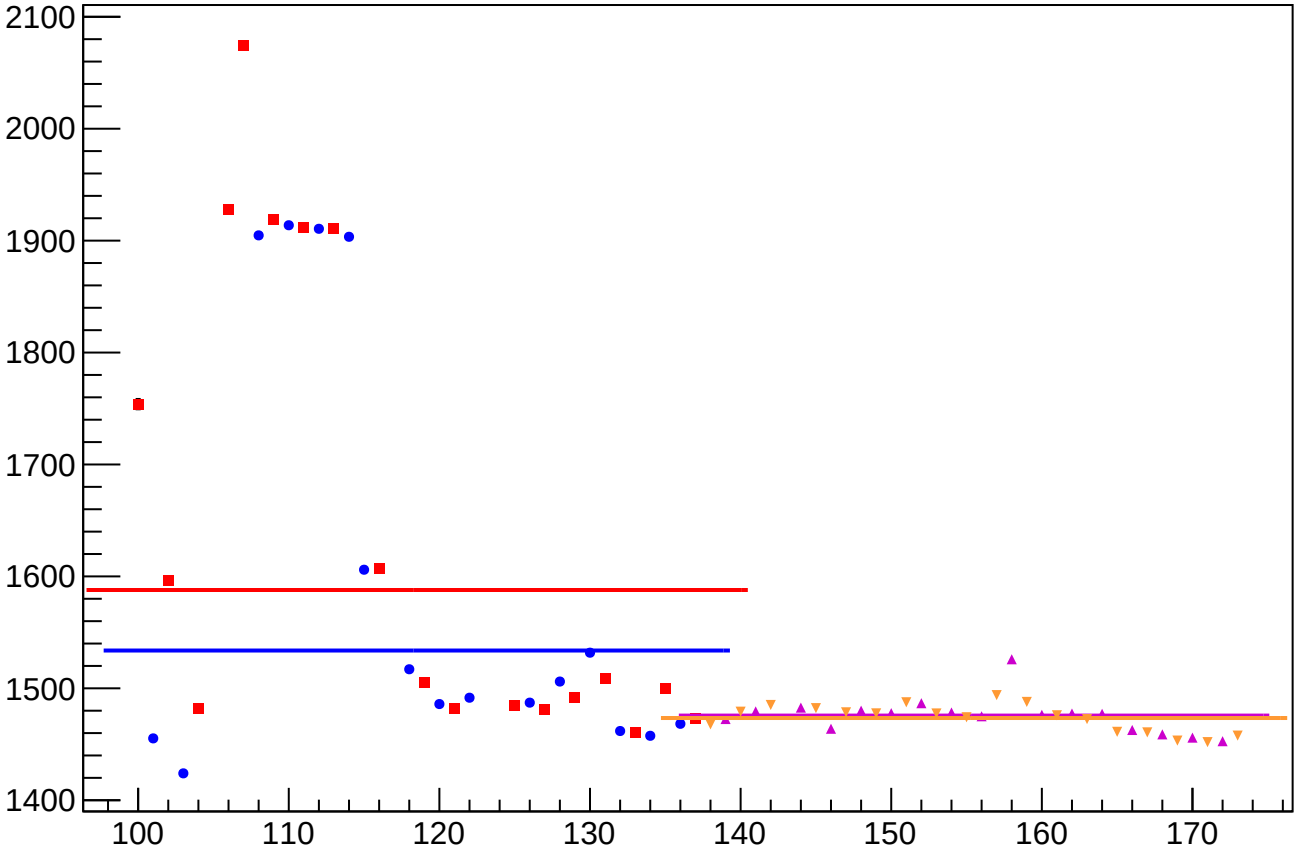
Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1768.168+/-324.466 χ^2/NDF:35.7/32

Out: 1602.707+/-325.747 χ^2/NDF:31.1/35

All: 1685.763+/-229.884 χ^2/NDF: 67.0/68

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1473.466+/-0.276 χ^2/NDF:1896.9/17

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1475.634+/-0.279 χ^2/NDF:3238.8/16

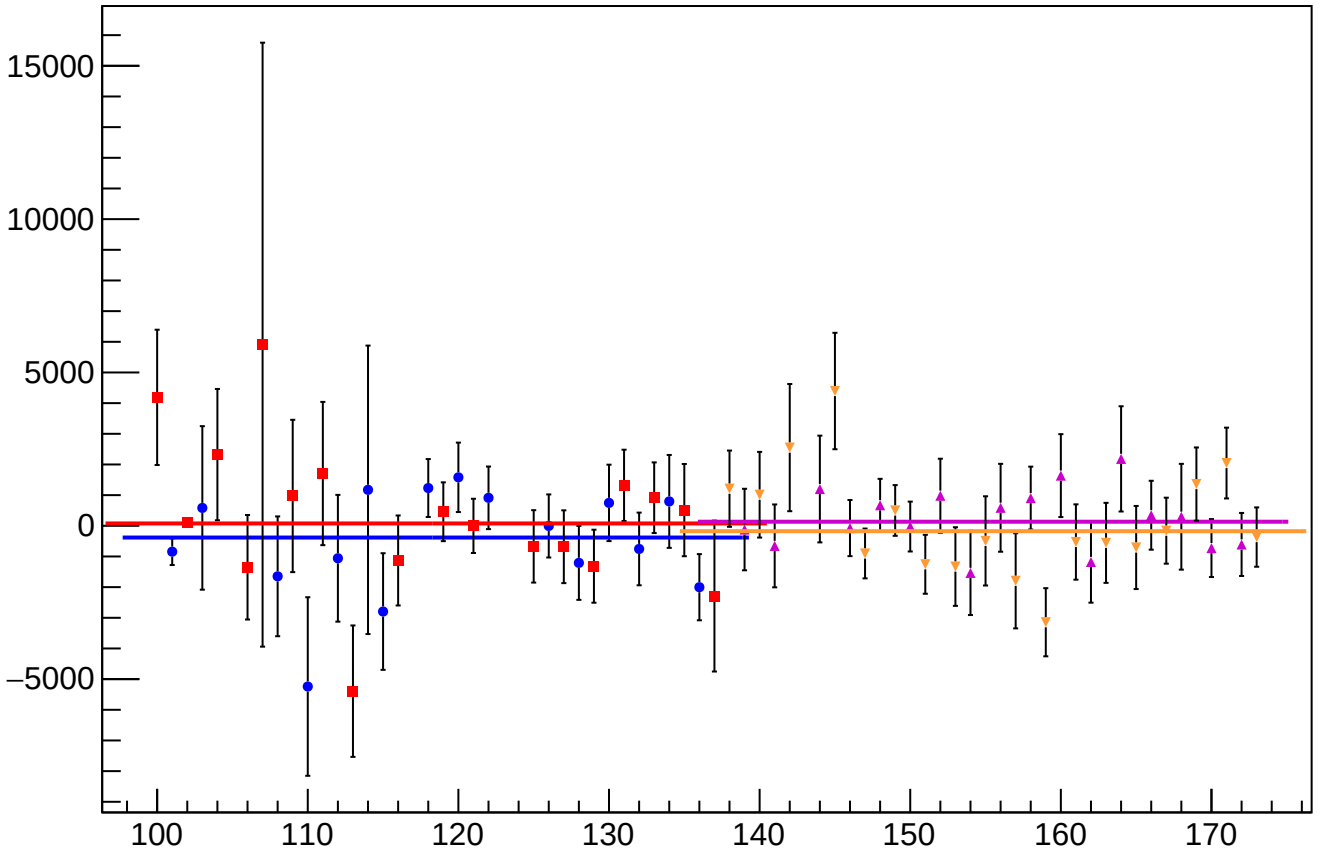
Left: 1474.541+/-0.196 χ^2/NDF: 5166.2/34

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1494.325+/-0.229 χ^2/NDF:146516.8/32

Out: 1508.368+/-0.230 χ^2/NDF:227948.0/35

All: 1501.319+/-0.163 χ^2/NDF: 376330.7/68



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -175.316+/-275.067 χ^2/NDF:27.0/17

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 133.276+/-279.447 χ^2/NDF:8.9/16

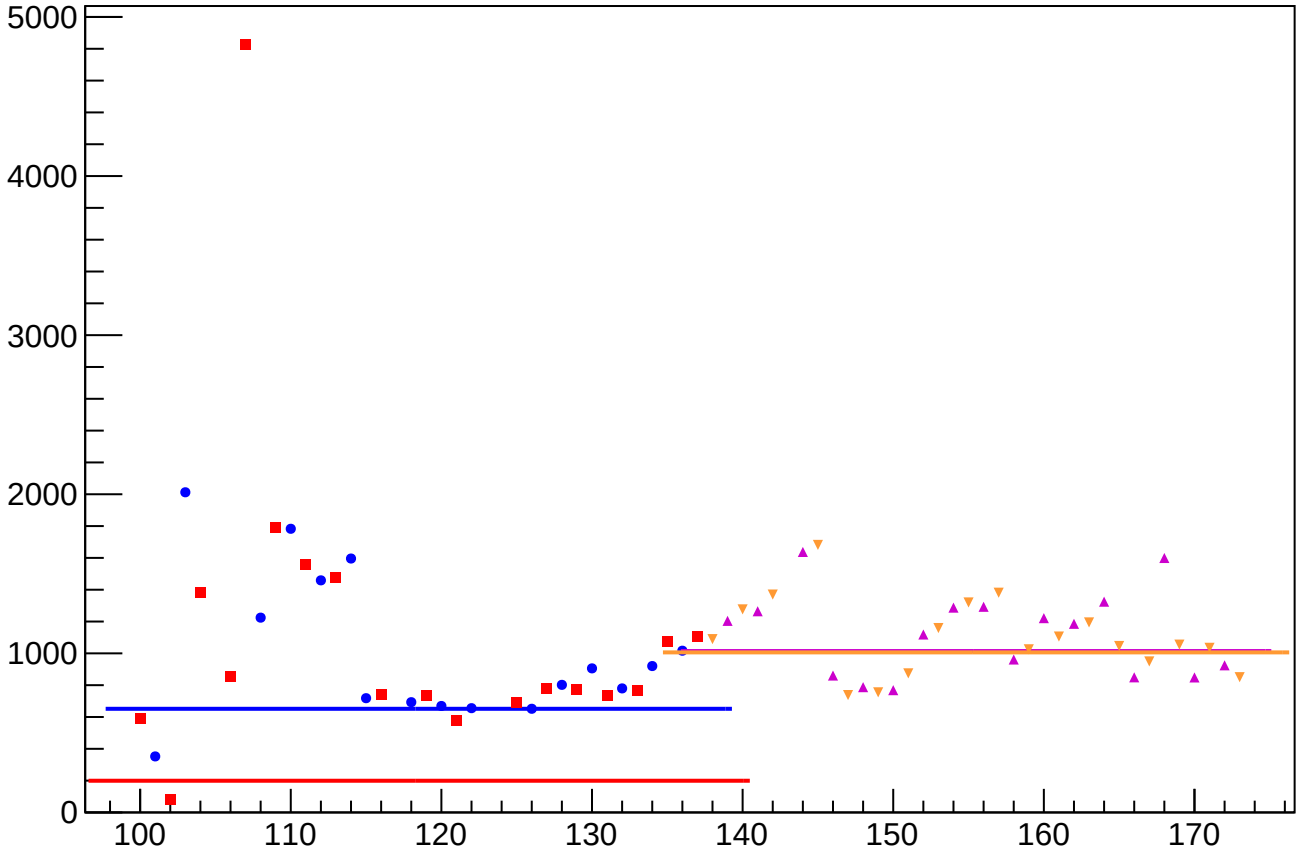
Left: -23.457+/-196.032 χ^2/NDF: 36.5/34

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -131.512+/-194.989 χ^2/NDF:28.8/32

Out: 25.986+/-123.445 χ^2/NDF:46.2/35

All: -19.078+/-104.300 χ^2/NDF: 75.5/68



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1006.076+/-0.195 χ^2/NDF:1196773.9/17

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1014.474+/-0.198 χ^2/NDF:1414231.6/16

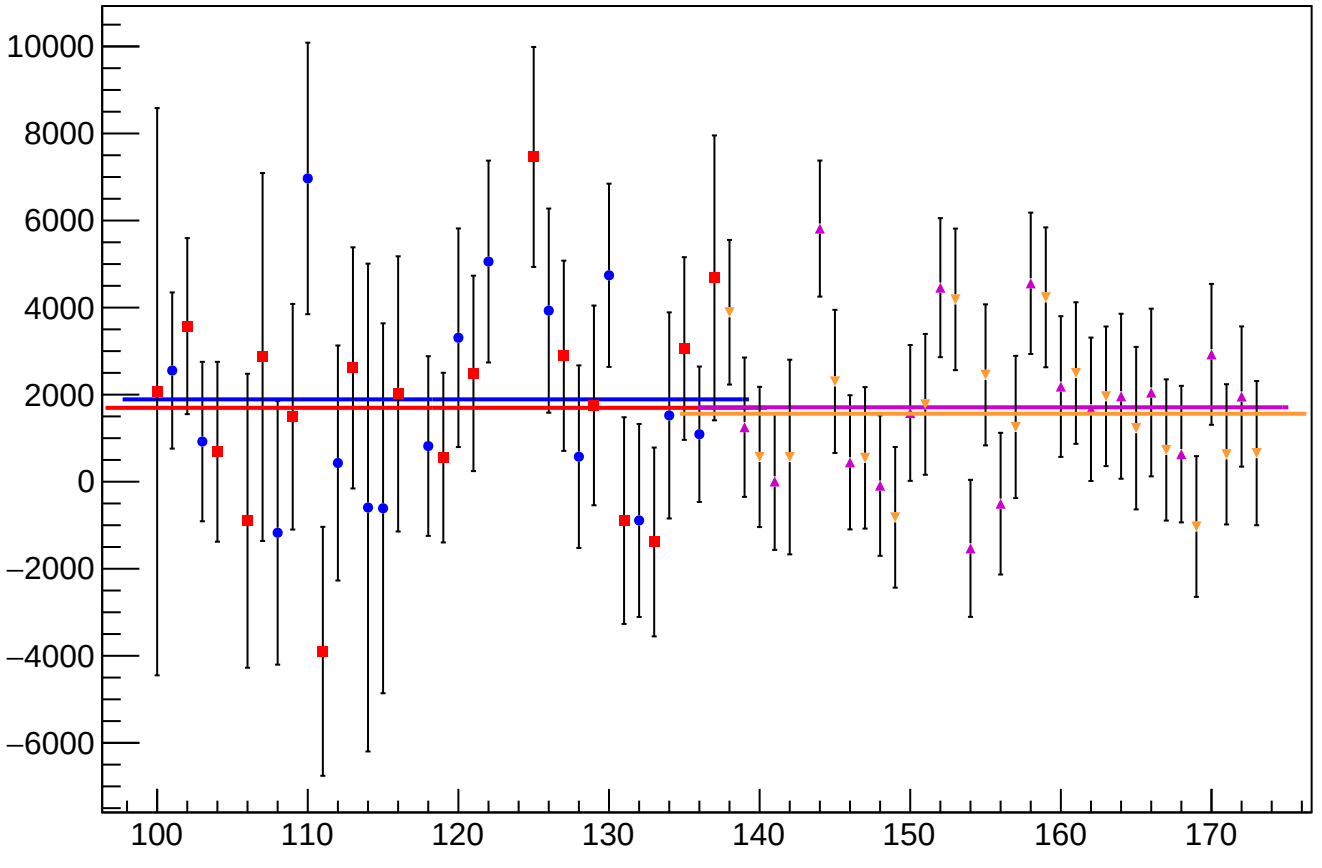
Left: 1010.209+/-0.139 χ^2/NDF: 2611923.0/34

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 828.236+/-0.138 χ^2/NDF:5908121.3/32

Out: 361.824+/-0.087 χ^2/NDF:24220036.8/35

All: 495.274+/-0.074 χ^2/NDF: 38297244.0/68



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1561.304+/-390.780 χ^2/NDF:14.9/17

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1709.700+/-393.907 χ^2/NDF:23.4/16

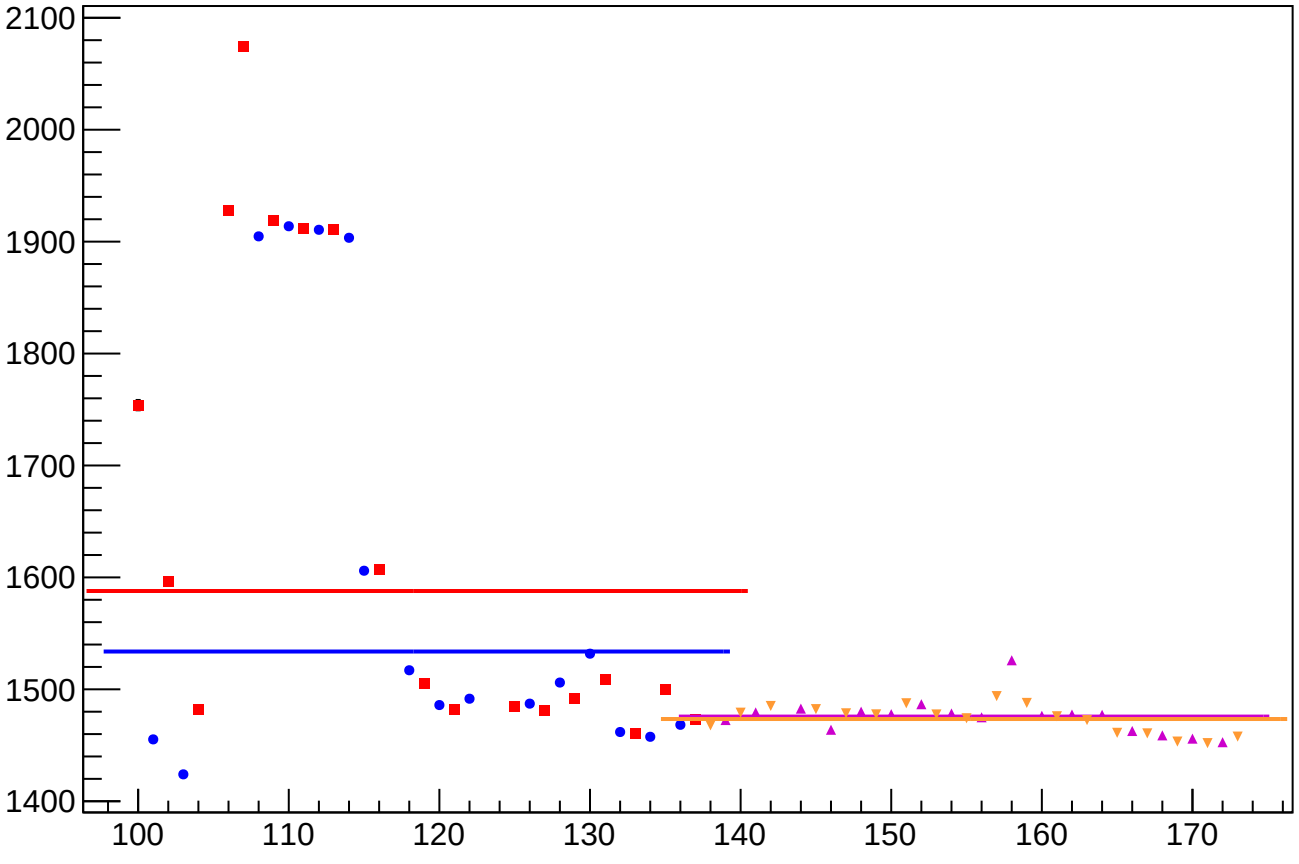
Left: 1634.911+/-277.422 χ^2/NDF: 38.4/34

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1768.168+/-324.466 χ^2/NDF:35.7/32

Out: 1602.707+/-325.747 χ^2/NDF:31.1/35

All: 1685.763+/-229.884 χ^2/NDF: 67.0/68



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1473.466+/-0.276 χ^2/NDF:1896.9/17

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1475.634+/-0.279 χ^2/NDF:3238.8/16

Left: 1474.541+/-0.196 χ^2/NDF: 5166.2/34

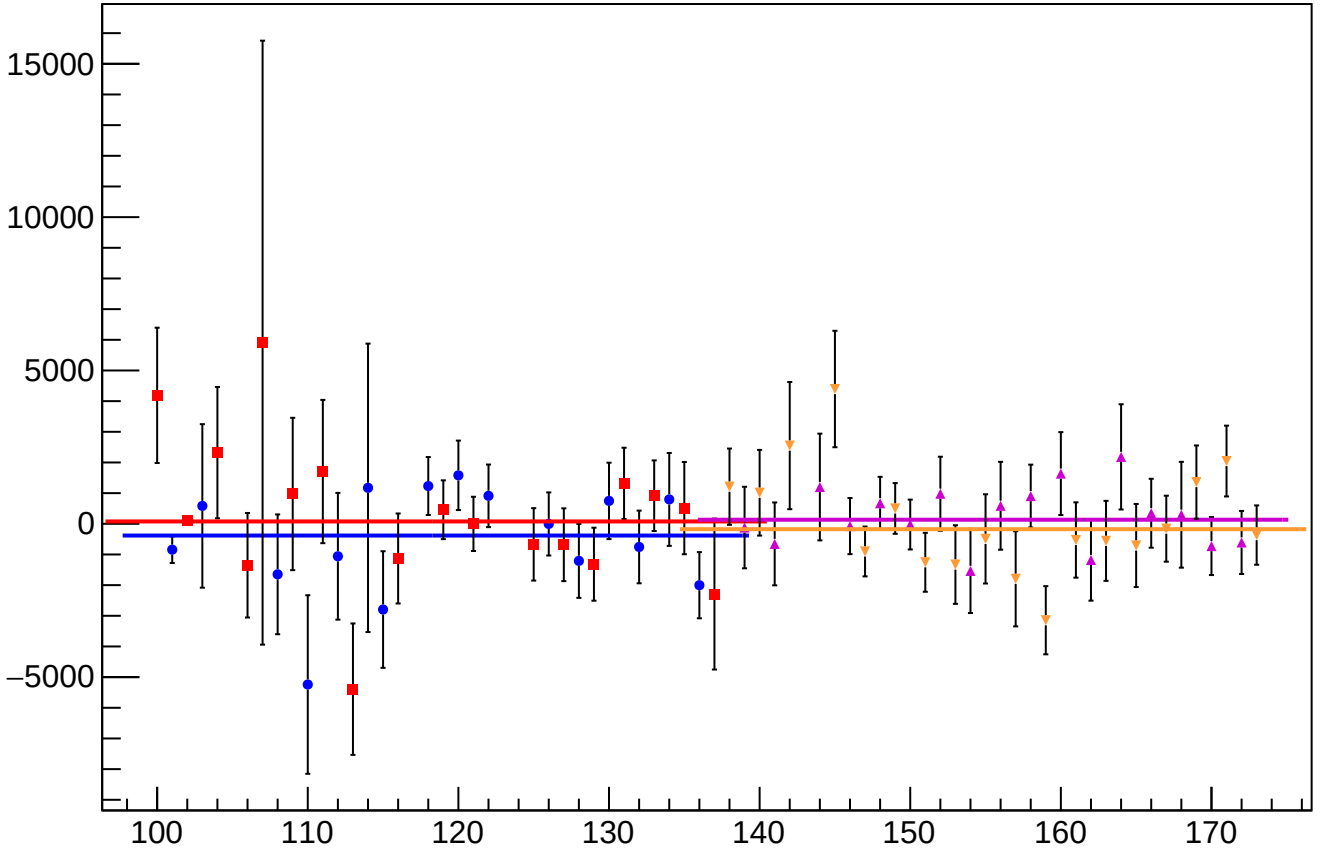
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1494.325+/-0.229 χ^2/NDF:146516.8/32

Out: 1508.368+/-0.230 χ^2/NDF:227948.0/35

All: 1501.319+/-0.163 χ^2/NDF: 376330.7/68

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -175.316+/-275.067 χ^2/NDF:27.0/17

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 133.276+/-279.447 χ^2/NDF:8.9/16

Left: -23.457+/-196.032 χ^2/NDF: 36.5/34

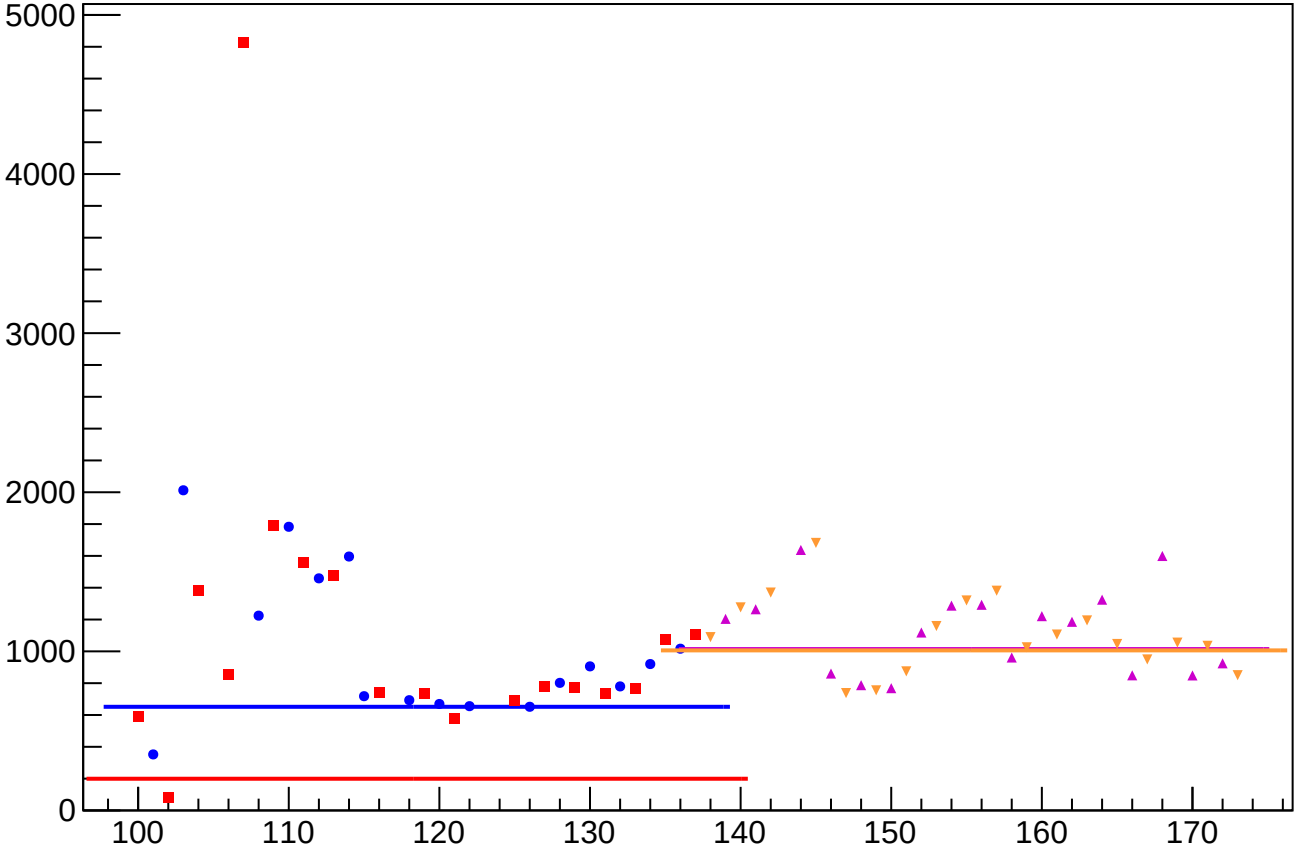
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -131.512+/-194.989 χ^2/NDF:28.8/32

Out: 25.986+/-123.445 χ^2/NDF:46.2/35

All: -19.078+/-104.300 χ^2/NDF: 75.5/68

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: 1006.076+/-0.195 χ^2/NDF:1196773.9/17

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1014.474+/-0.198 χ^2/NDF:1414231.6/16

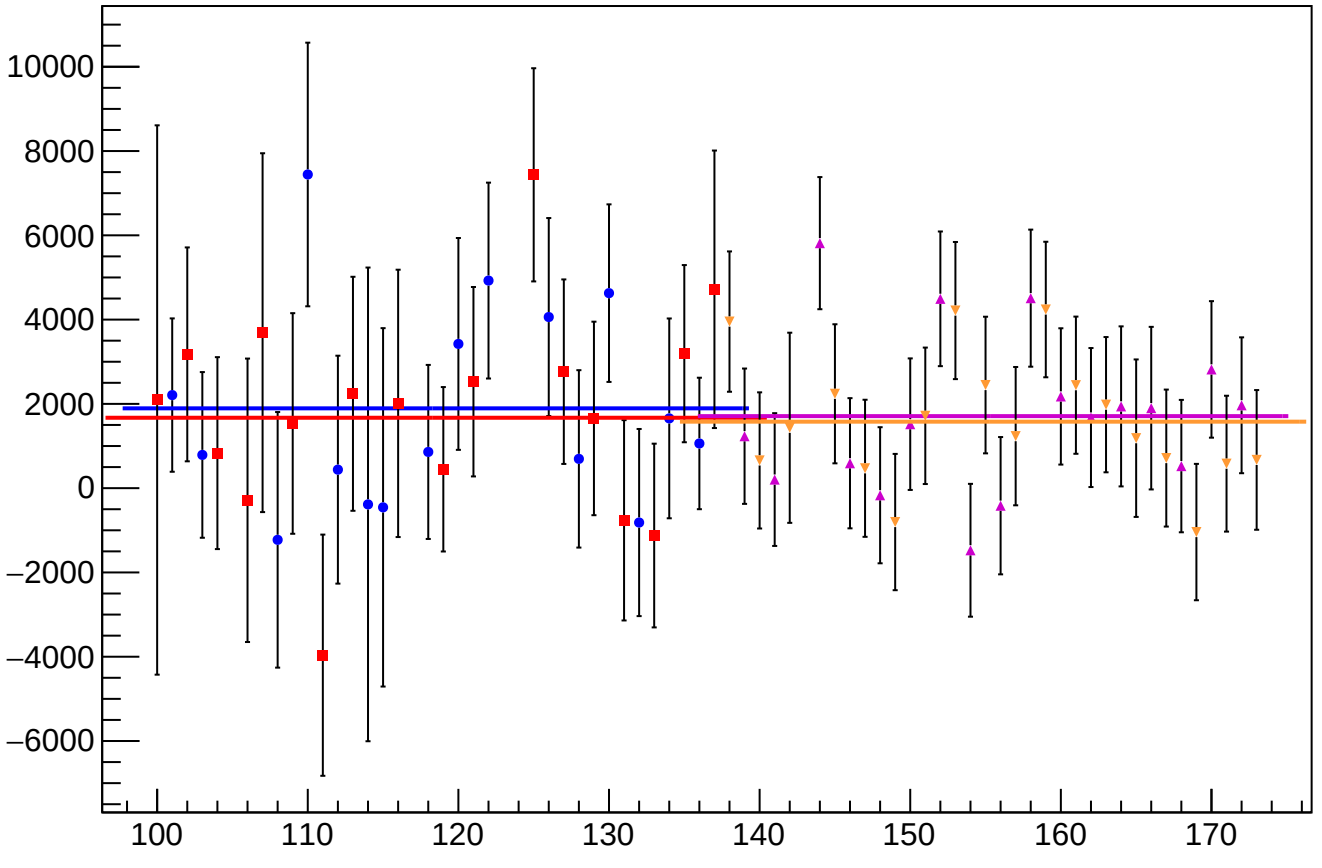
Left: 1010.209+/-0.139 χ^2/NDF: 2611923.0/34

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 828.236+/-0.138 χ^2/NDF:5908121.3/32

Out: 361.824+/-0.087 χ^2/NDF:24220036.8/35

All: 495.274+/-0.074 χ^2/NDF: 38297244.0/68



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1577.975+/-391.431 χ^2/NDF:14.8/17

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1709.439+/-394.457 χ^2/NDF:22.7/16

Left: 1643.201+/-277.847 χ^2/NDF: 37.6/34

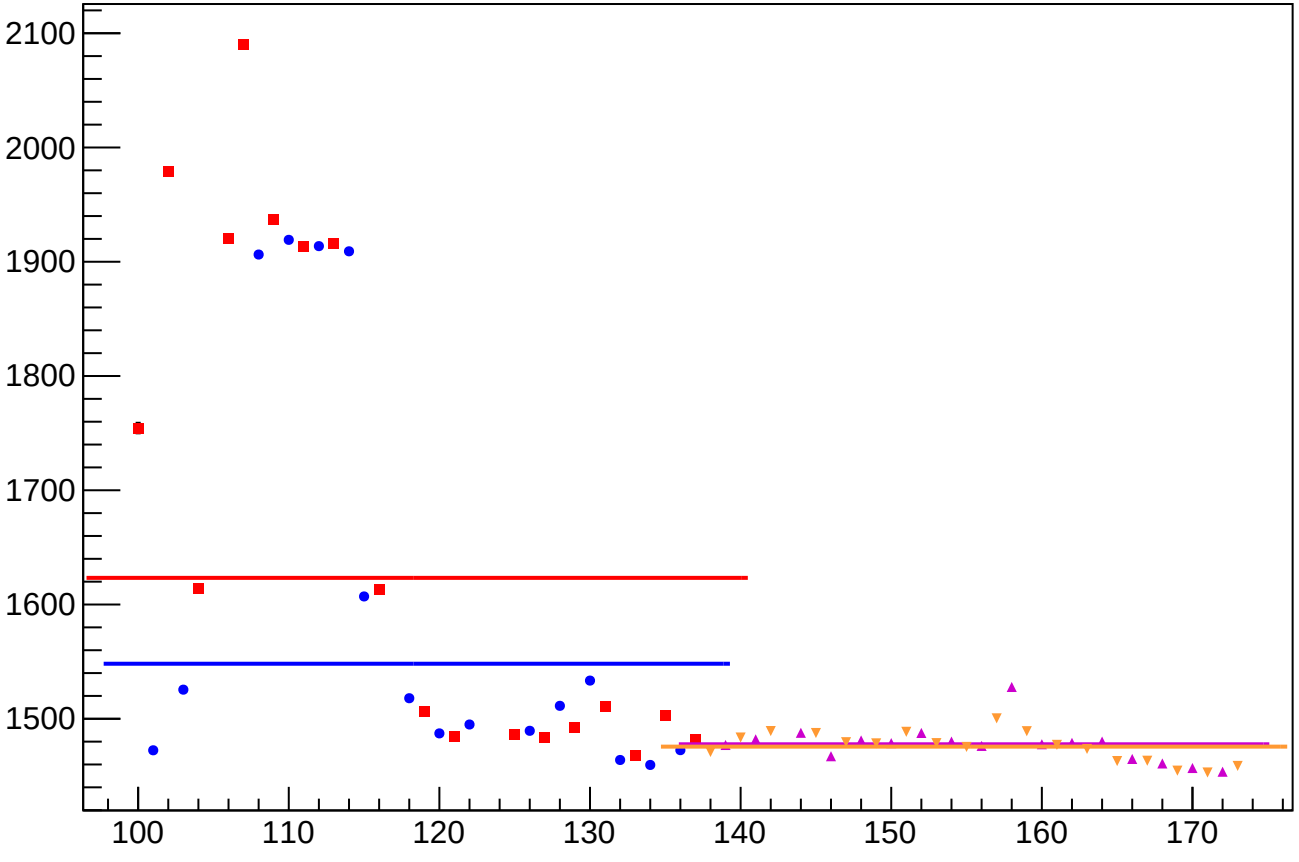
Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1768.189+/-325.749 χ^2/NDF:35.0/32

Out: 1605.415+/-328.618 χ^2/NDF:29.9/35

All: 1687.516+/-231.347 χ^2/NDF: 65.1/68

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1475.620+/-0.277 χ^2/NDF:2141.7/17

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1477.676+/-0.279 χ^2/NDF:3278.9/16

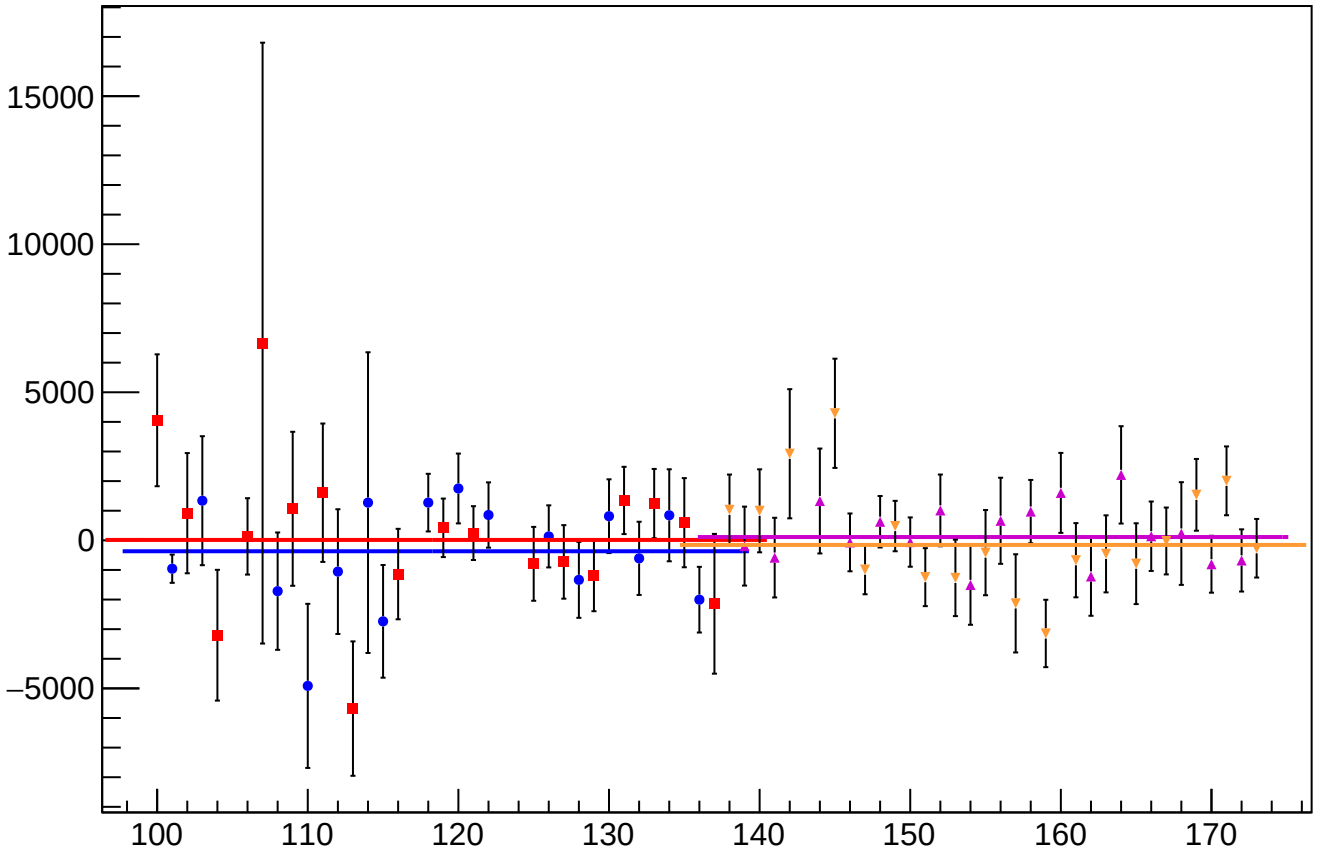
Left: 1476.640+/-0.196 χ^2/NDF: 5448.0/34

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1500.096+/-0.230 χ^2/NDF:143500.9/32

Out: 1519.223+/-0.232 χ^2/NDF:297747.1/35

All: 1509.576+/-0.164 χ^2/NDF: 444665.3/68



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -155.288+/-279.573 χ^2/NDF:27.3/17

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: 111.546+/-284.350 χ^2/NDF:9.3/16

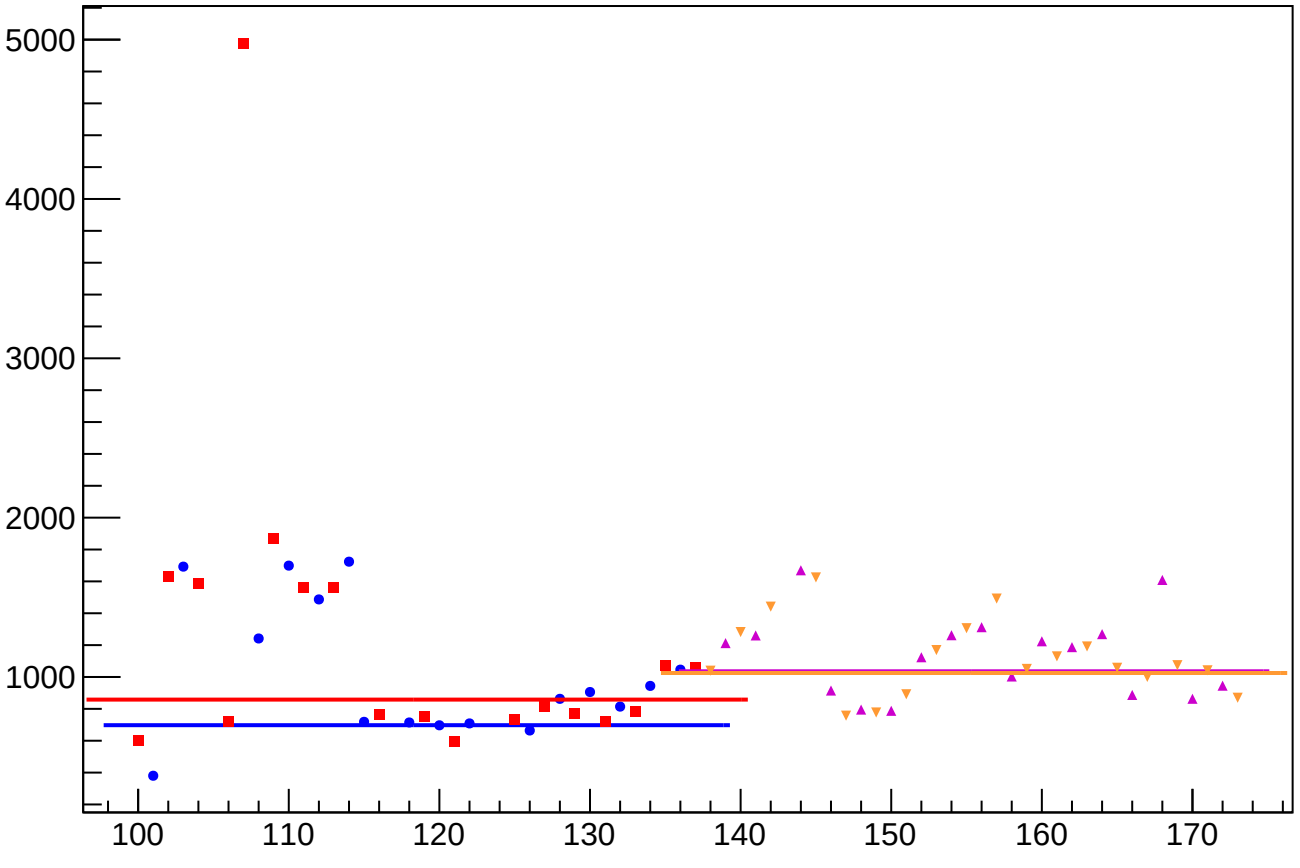
Left: -24.132+/-199.355 χ^2/NDF: 37.0/34

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -126.708+/-201.848 χ^2/NDF:29.6/32

Out: -87.483+/-216.344 χ^2/NDF:46.5/35

All: -108.454+/-147.587 χ^2/NDF: 76.1/68



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1025.051+/-0.198 χ^2/NDF:1128045.3/17

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1035.821+/-0.201 χ^2/NDF:1284810.0/16

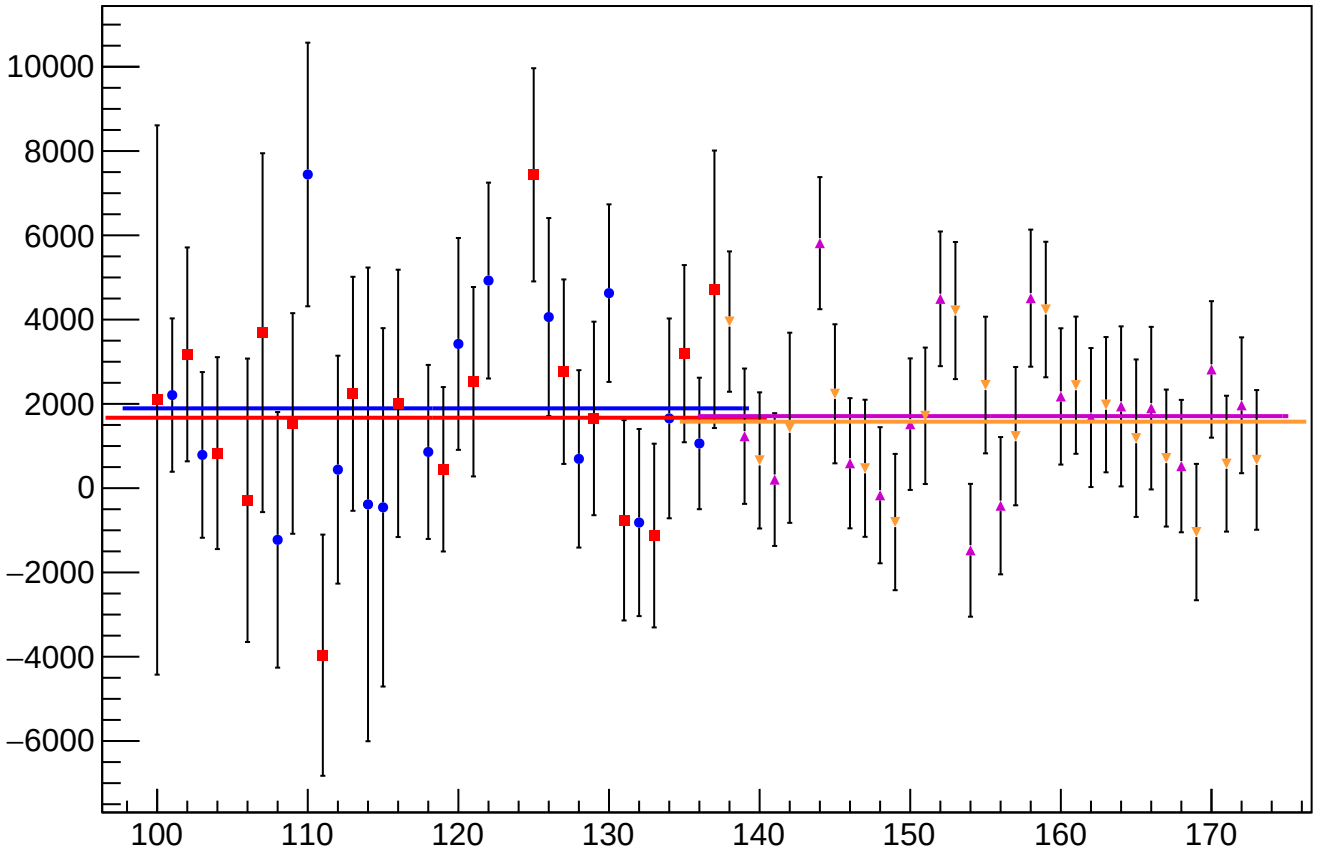
Left: 1030.345+/-0.141 χ^2/NDF: 2414314.2/34

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 867.988+/-0.143 χ^2/NDF:5124869.0/32

Out: 958.073+/-0.153 χ^2/NDF:3296348.3/35

All: 909.912+/-0.104 χ^2/NDF: 8606607.2/68



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1577.973+/-391.431 χ^2/NDF:14.8/17

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1709.441+/-394.457 χ^2/NDF:22.7/16

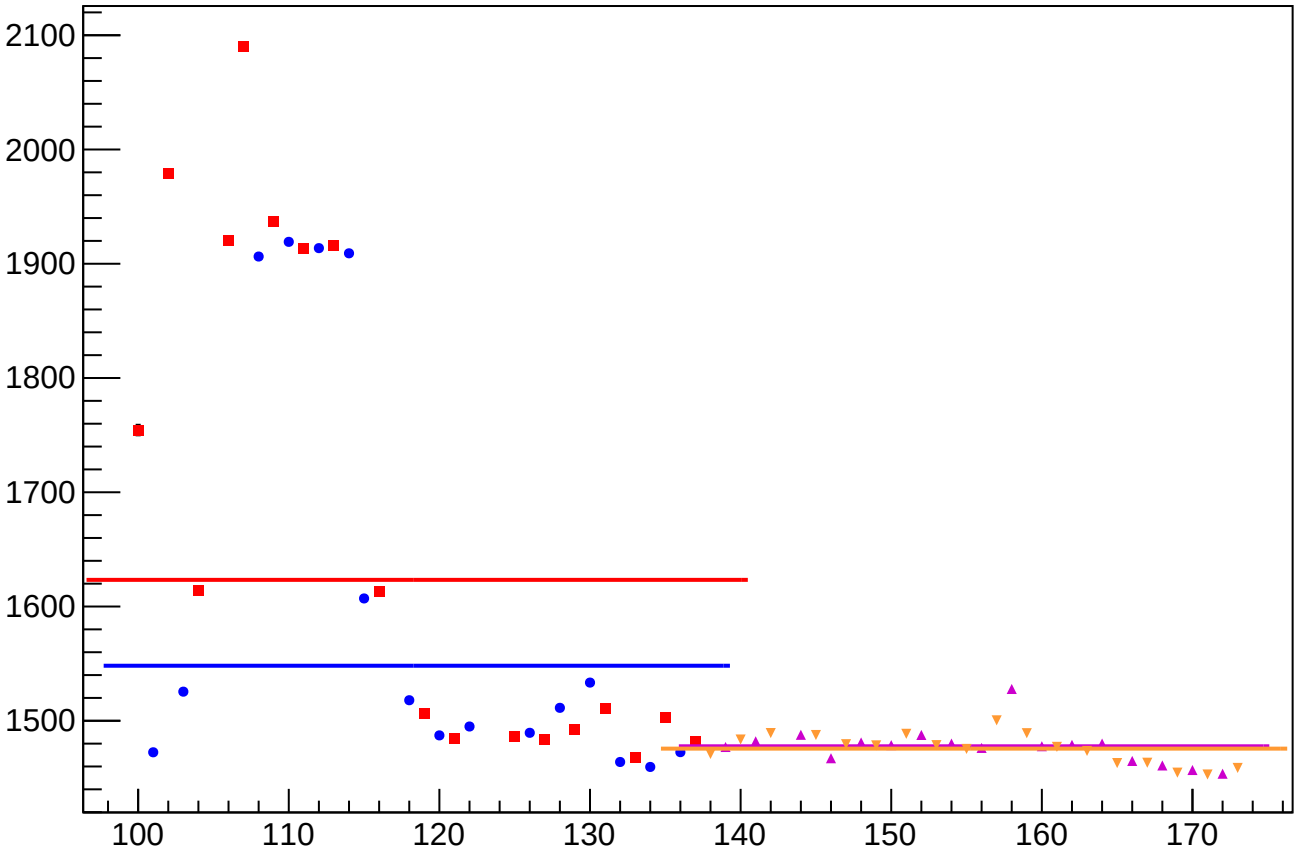
Left: 1643.201+/-277.847 χ^2/NDF: 37.6/34

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1768.189+/-325.749 χ^2/NDF:35.0/32

Out: 1605.413+/-328.618 χ^2/NDF:29.9/35

All: 1687.515+/-231.347 χ^2/NDF: 65.1/68



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1475.620+/-0.277 χ^2/NDF:2141.7/17

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1477.676+/-0.279 χ^2/NDF:3278.9/16

Left: 1476.640+/-0.196 χ^2/NDF: 5448.0/34

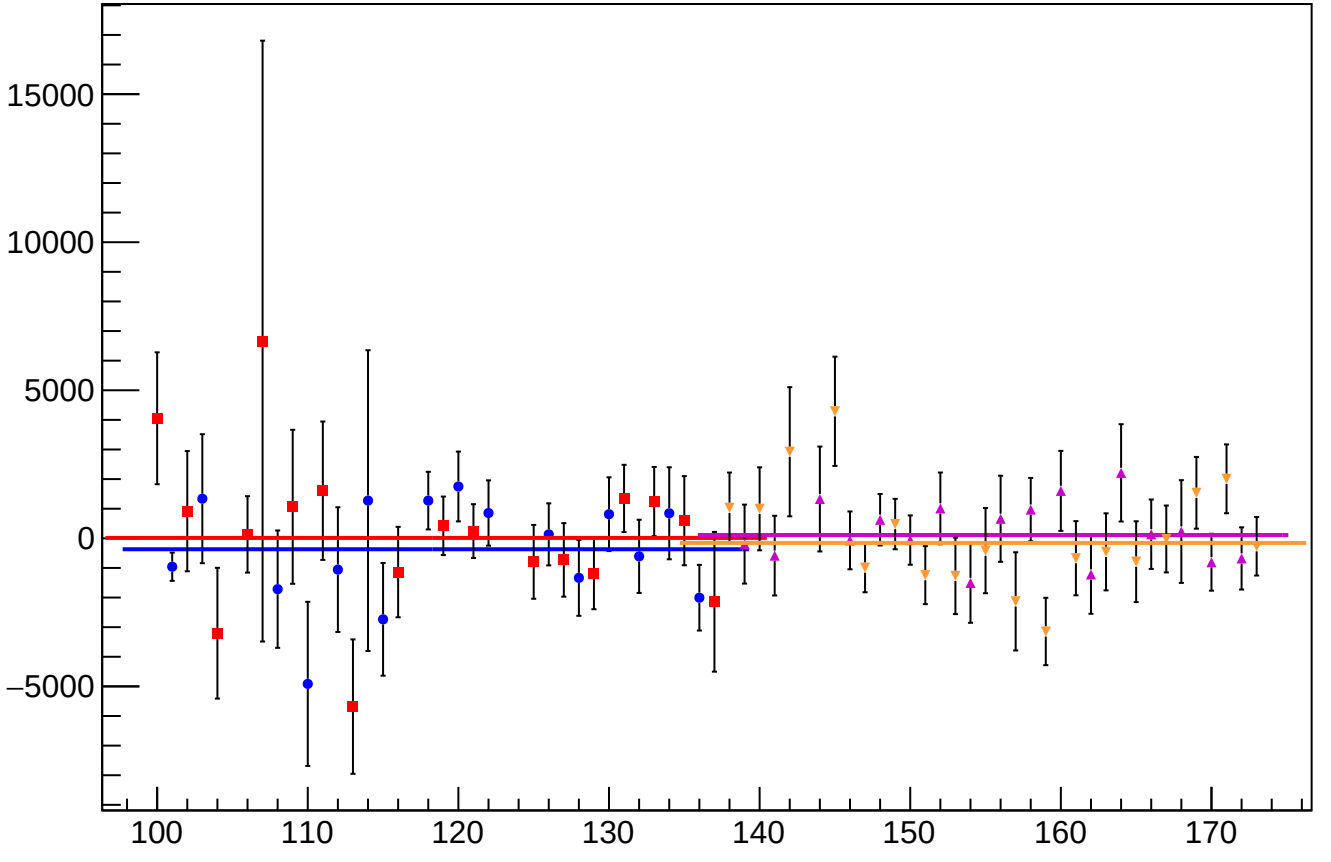
Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1500.096+/-0.230 χ^2/NDF:143500.8/32

Out: 1519.223+/-0.232 χ^2/NDF:297746.6/35

All: 1509.575+/-0.164 χ^2/NDF: 444664.8/68

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -155.291+/-279.573 χ^2/NDF:27.3/17

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: 111.546+/-284.350 χ^2/NDF:9.3/16

Left: -24.133+/-199.356 χ^2/NDF: 37.0/34

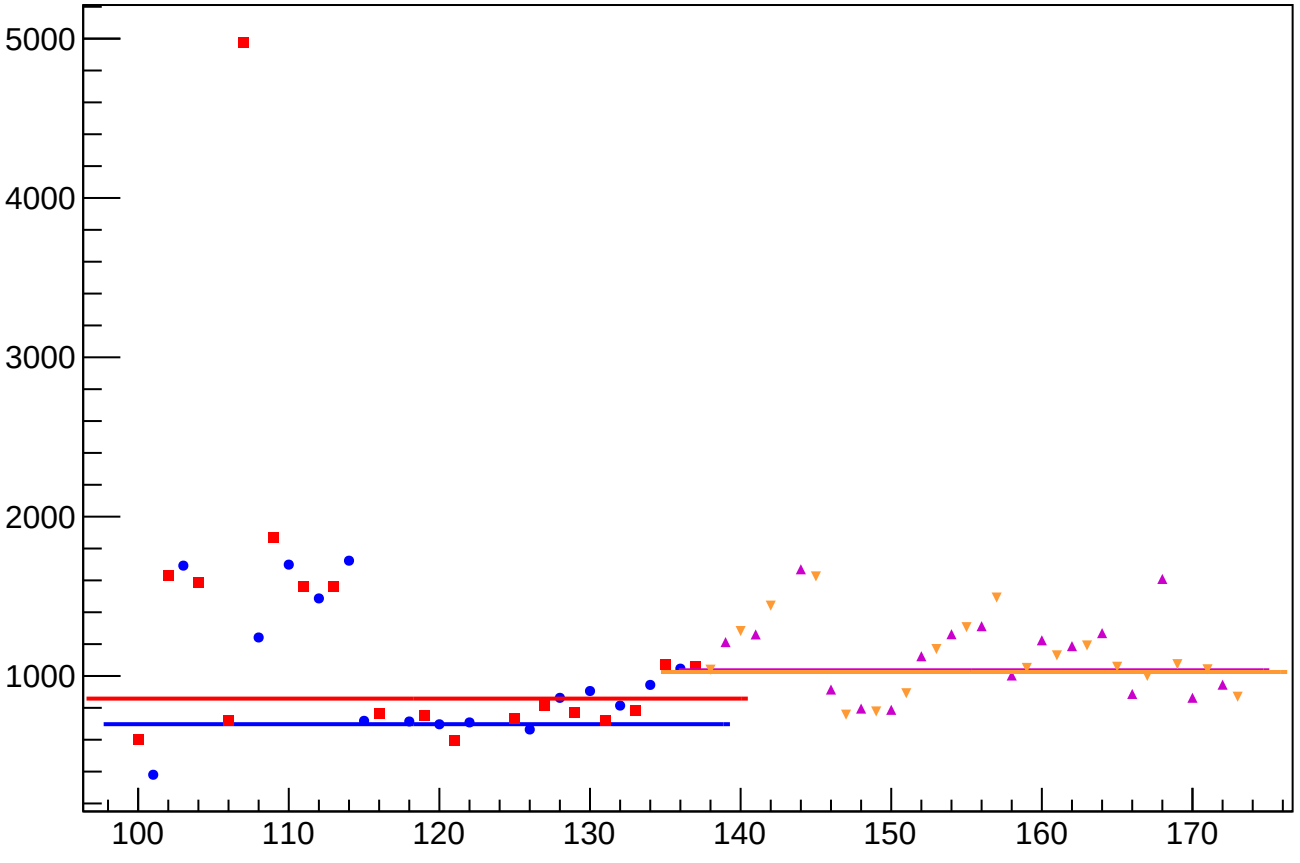
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -126.708+/-201.849 χ^2/NDF:29.6/32

Out: -87.484+/-216.344 χ^2/NDF:46.5/35

All: -108.454+/-147.587 χ^2/NDF: 76.1/68

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: 1025.053+/-0.198 χ^2/NDF:1128043.6/17

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1035.823+/-0.201 χ^2/NDF:1284806.7/16

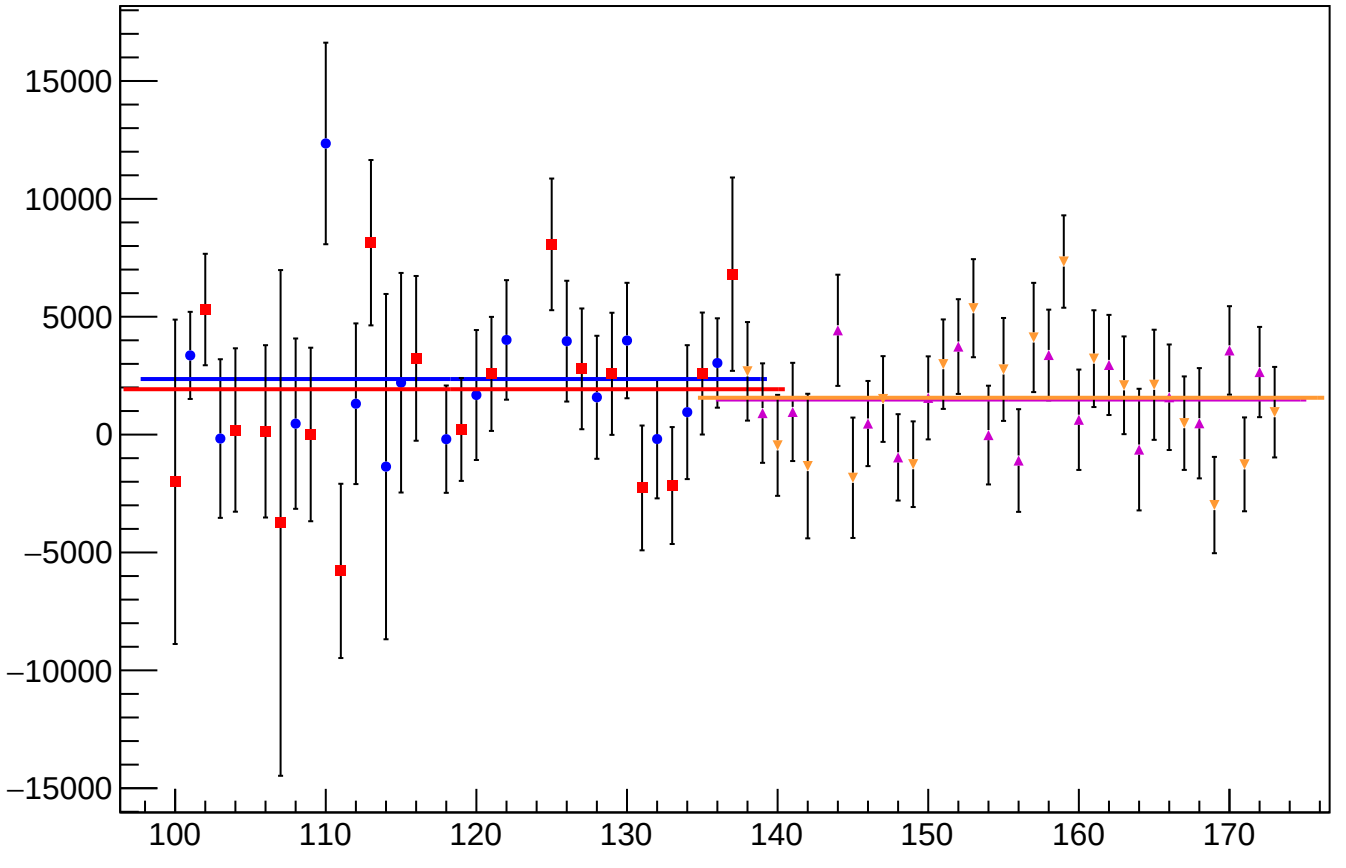
Left: 1030.347+/-0.141 χ^2/NDF: 2414309.1/34

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 867.989+/-0.143 χ^2/NDF:5124869.5/32

Out: 958.073+/-0.153 χ^2/NDF:3296367.2/35

All: 909.912+/-0.104 χ^2/NDF: 8606624.4/68



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1562.604+/-491.035 χ^2/NDF:28.5/17

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 1487.151+/-496.894 χ^2/NDF:11.1/16

Left: 1525.325+/-349.267 χ^2/NDF: 39.6/34

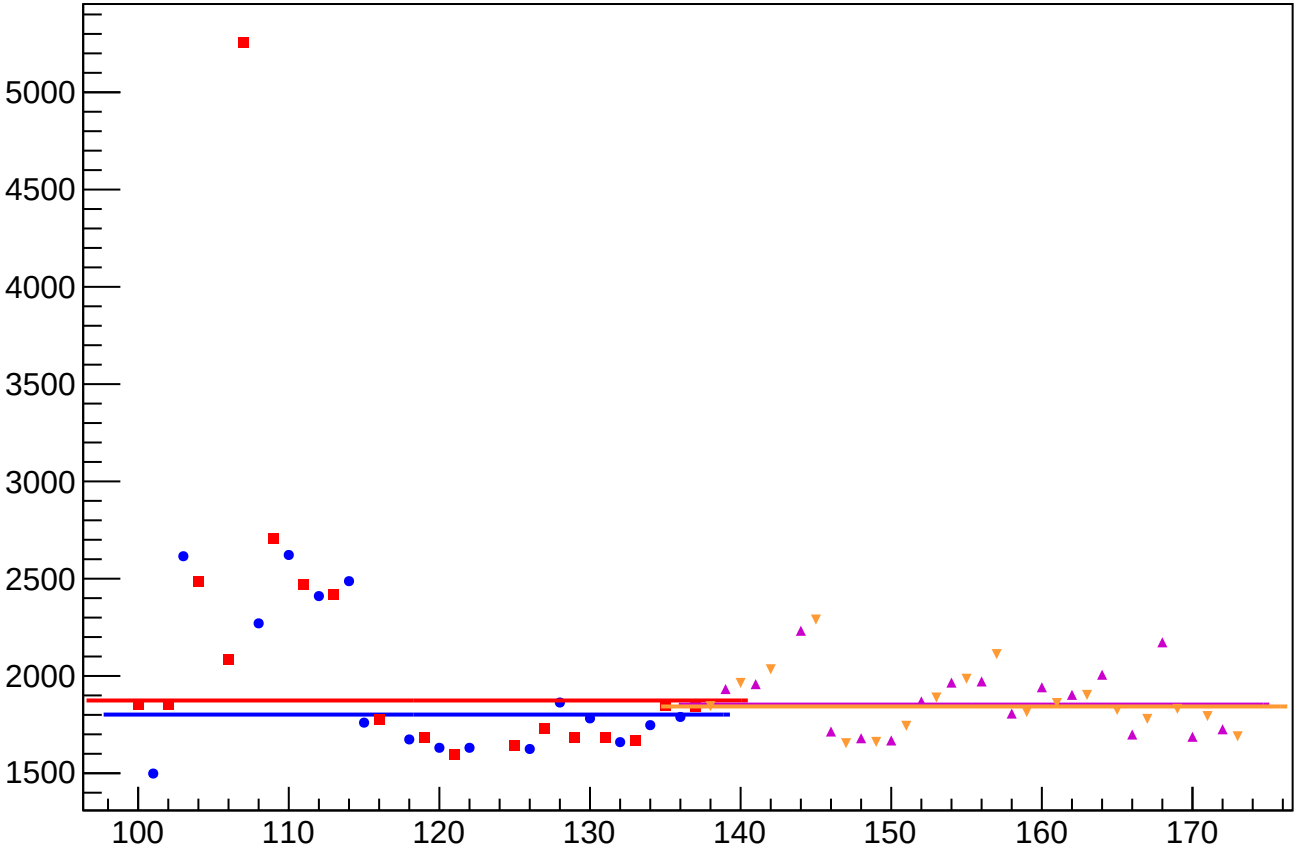
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1790.553+/-400.979 χ^2/NDF:23.1/32

Out: 1680.517+/-403.269 χ^2/NDF:52.1/35

All: 1735.848+/-284.341 χ^2/NDF: 75.3/68

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1843.209+/-0.347 χ^2/NDF:177410.2/17

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1852.819+/-0.351 χ^2/NDF:207210.1/16

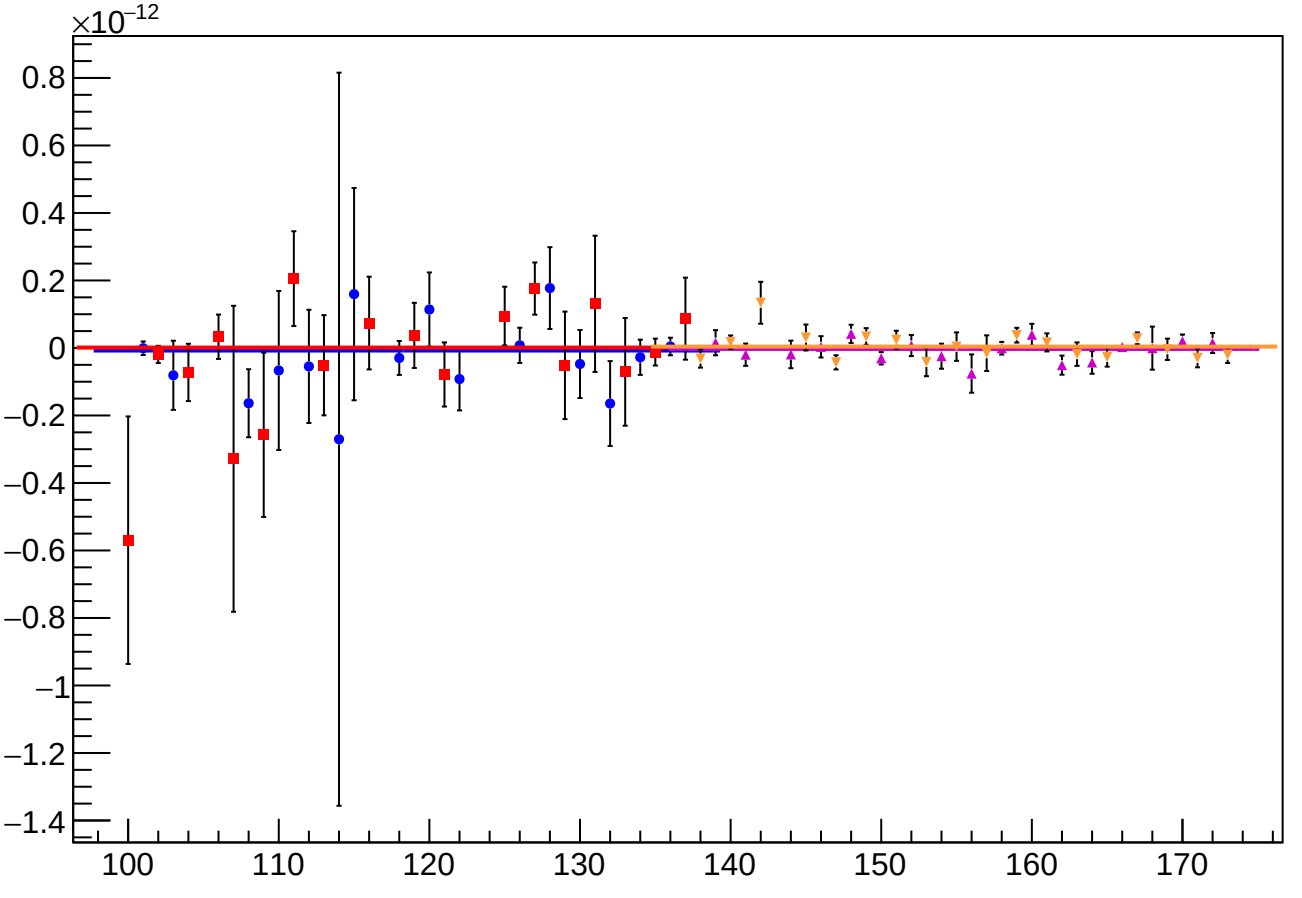
Left: 1847.957+/-0.247 χ^2/NDF: 384998.8/34

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1834.929+/-0.284 χ^2/NDF:615345.3/32

Out: 1853.224+/-0.285 χ^2/NDF:749875.3/35

All: 1844.025+/-0.201 χ^2/NDF: 1367290.6/68



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.9/17

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: -0.000+/-0.000 χ^2/NDF:15.6/16

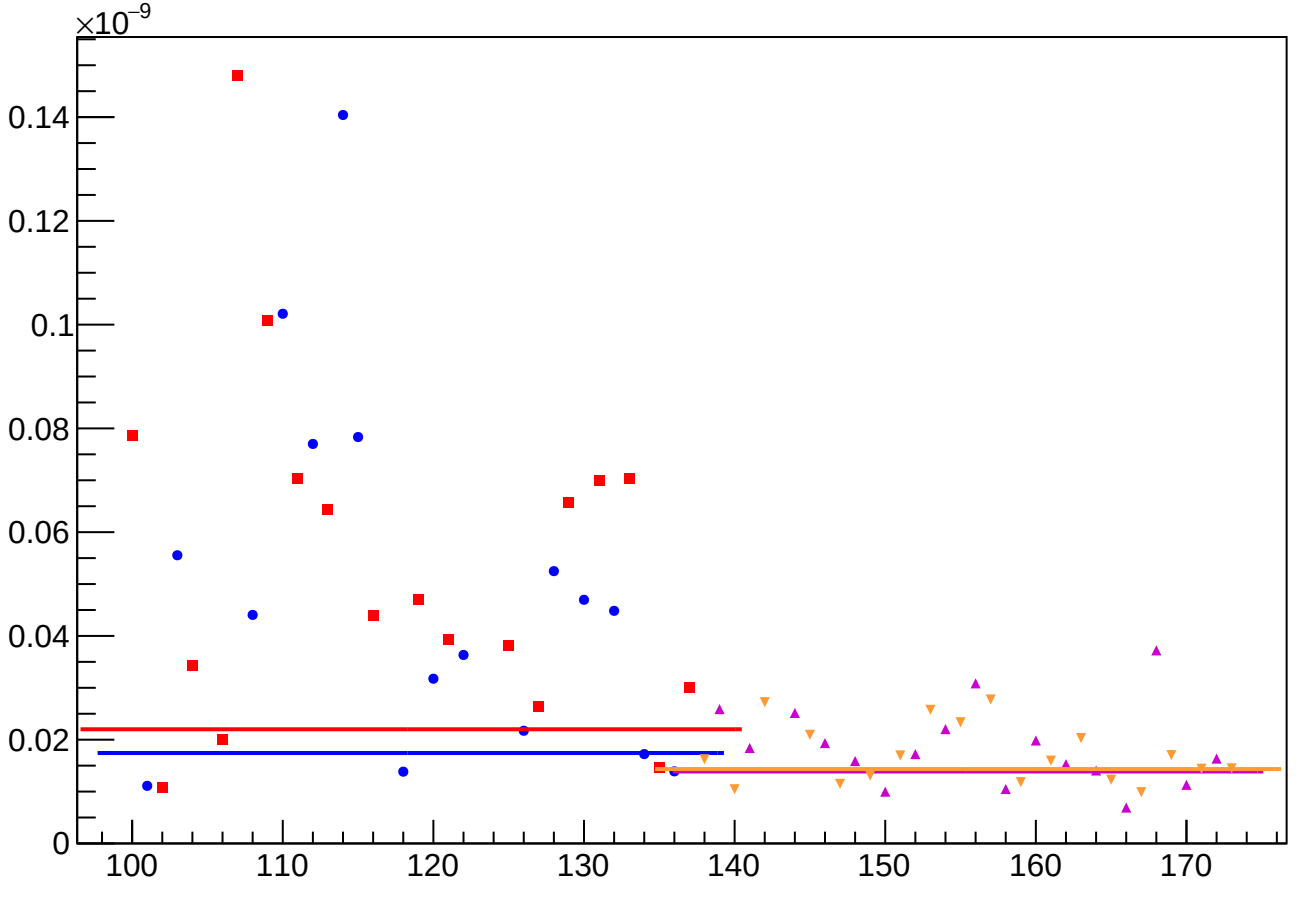
Left: 0.000+/-0.000 χ^2/NDF: 40.1/34

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:26.0/32

Out: 0.000+/-0.000 χ^2/NDF:40.6/35

All: -0.000+/-0.000 χ^2/NDF: 67.3/68



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:908656.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2098640.3/17

Left In: 0.000+/-0.000 χ^2/NDF:1746571.4/16

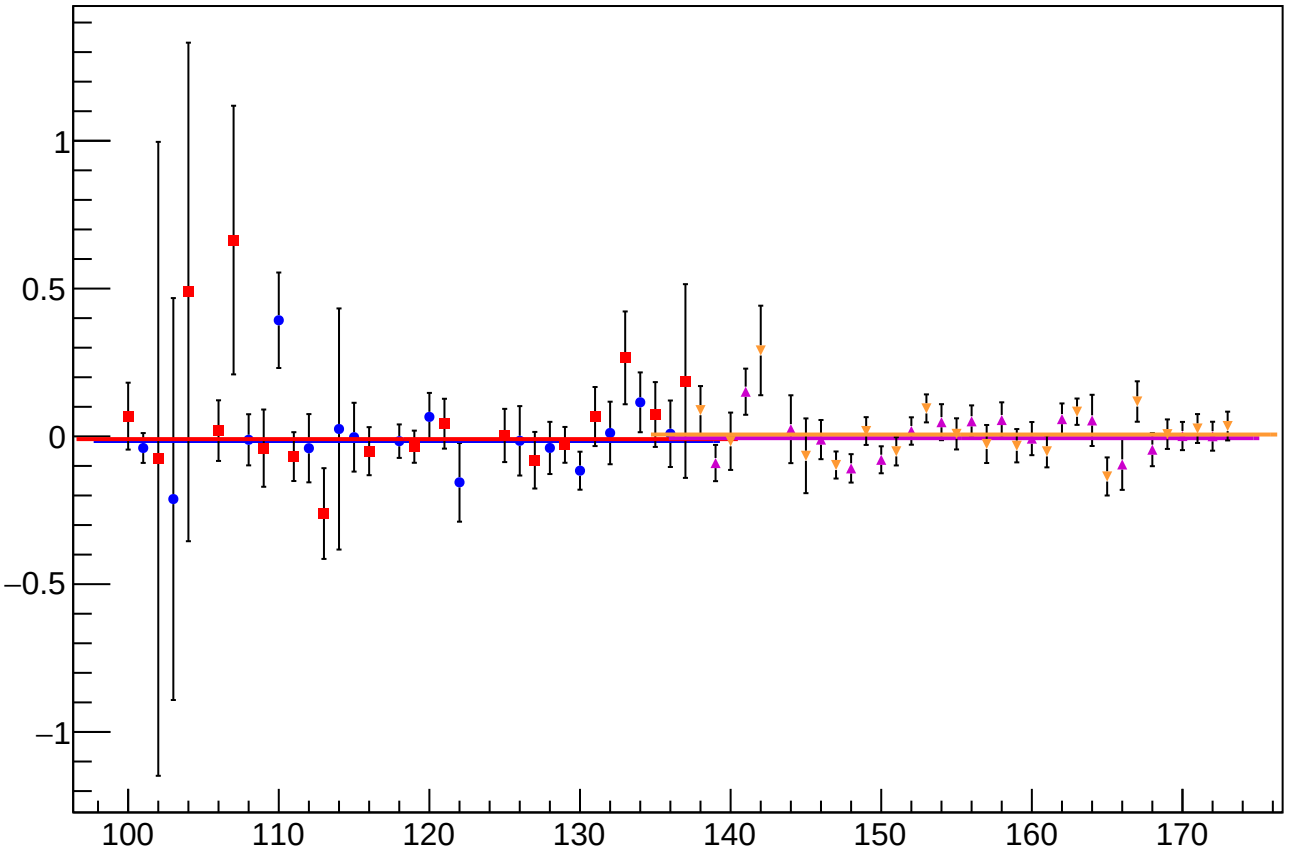
Left: 0.000+/-0.000 χ^2/NDF: 2660634.4/34

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:3705675.5/32

Out: 0.000+/-0.000 χ^2/NDF:3358072.8/35

All: 0.000+/-0.000 χ^2/NDF: 7078506.0/68



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.006+/-0.013 χ^2/NDF:27.8/17

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.006+/-0.014 χ^2/NDF:19.9/16

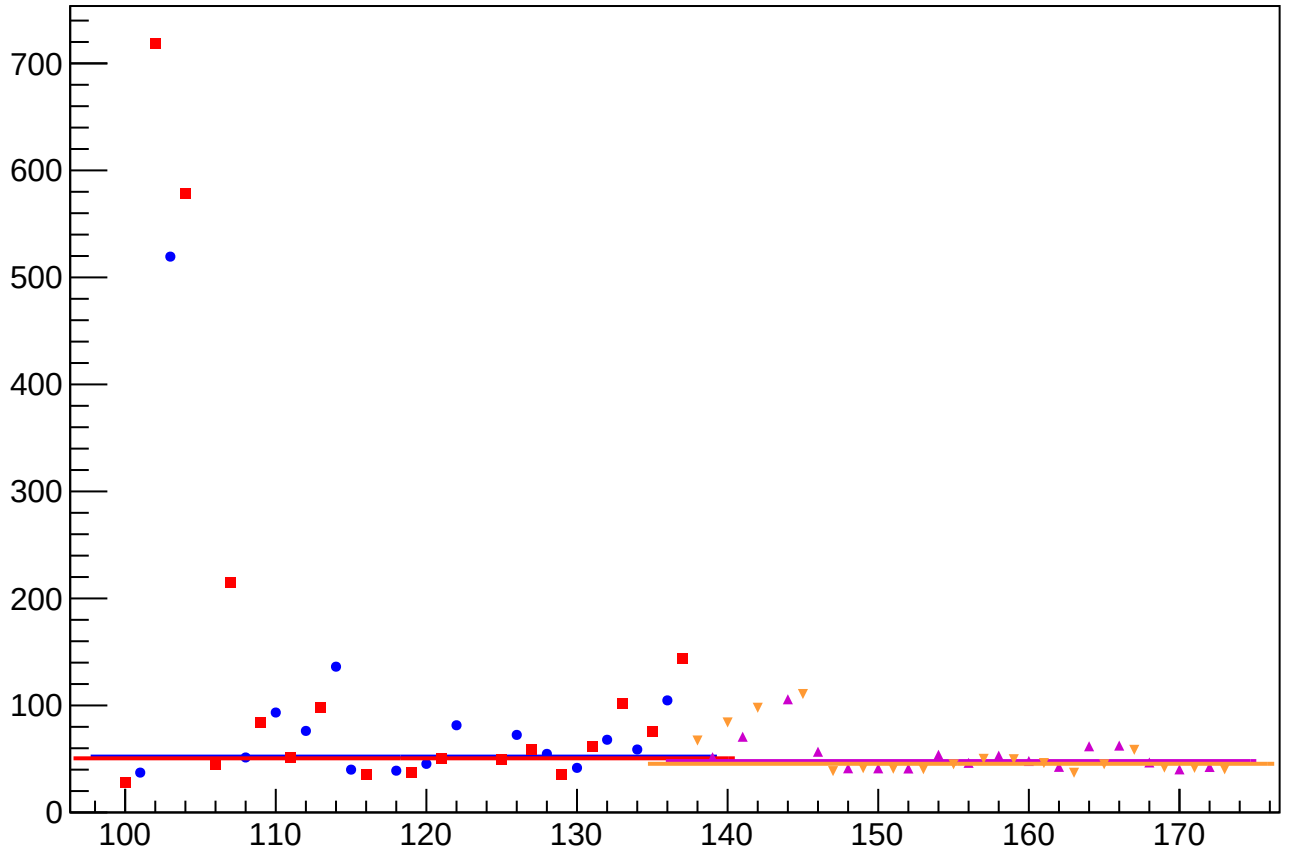
Left: 0.000+/-0.010 χ^2/NDF: 48.1/34

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.009+/-0.012 χ^2/NDF:33.2/32

Out: 0.002+/-0.012 χ^2/NDF:40.6/35

All: -0.003+/-0.008 χ^2/NDF: 74.3/68



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 45.475+/-0.009 χ^2/NDF:1543313.0/17

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 48.004+/-0.010 χ^2/NDF:1087532.2/16

Left: 46.679+/-0.007 χ^2/NDF: 2665185.9/34

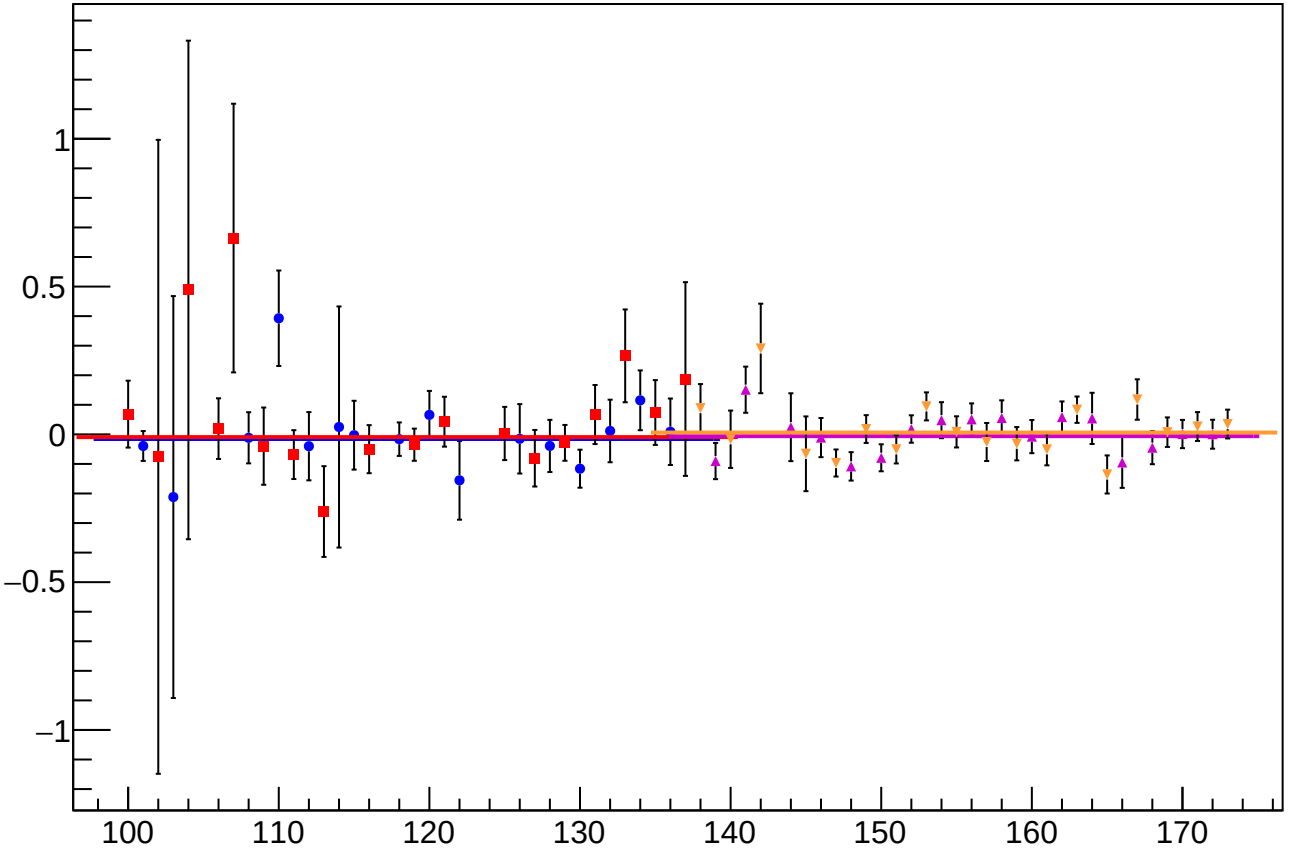
Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 49.159+/-0.008 χ^2/NDF:3403973.1/32

Out: 46.709+/-0.008 χ^2/NDF:4665738.6/35

All: 47.904+/-0.006 χ^2/NDF: 8113193.0/68

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.006+/-0.013 χ^2/NDF:27.8/17

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.006+/-0.014 χ^2/NDF:19.9/16

Left: 0.000+/-0.010 χ^2/NDF: 48.1/34

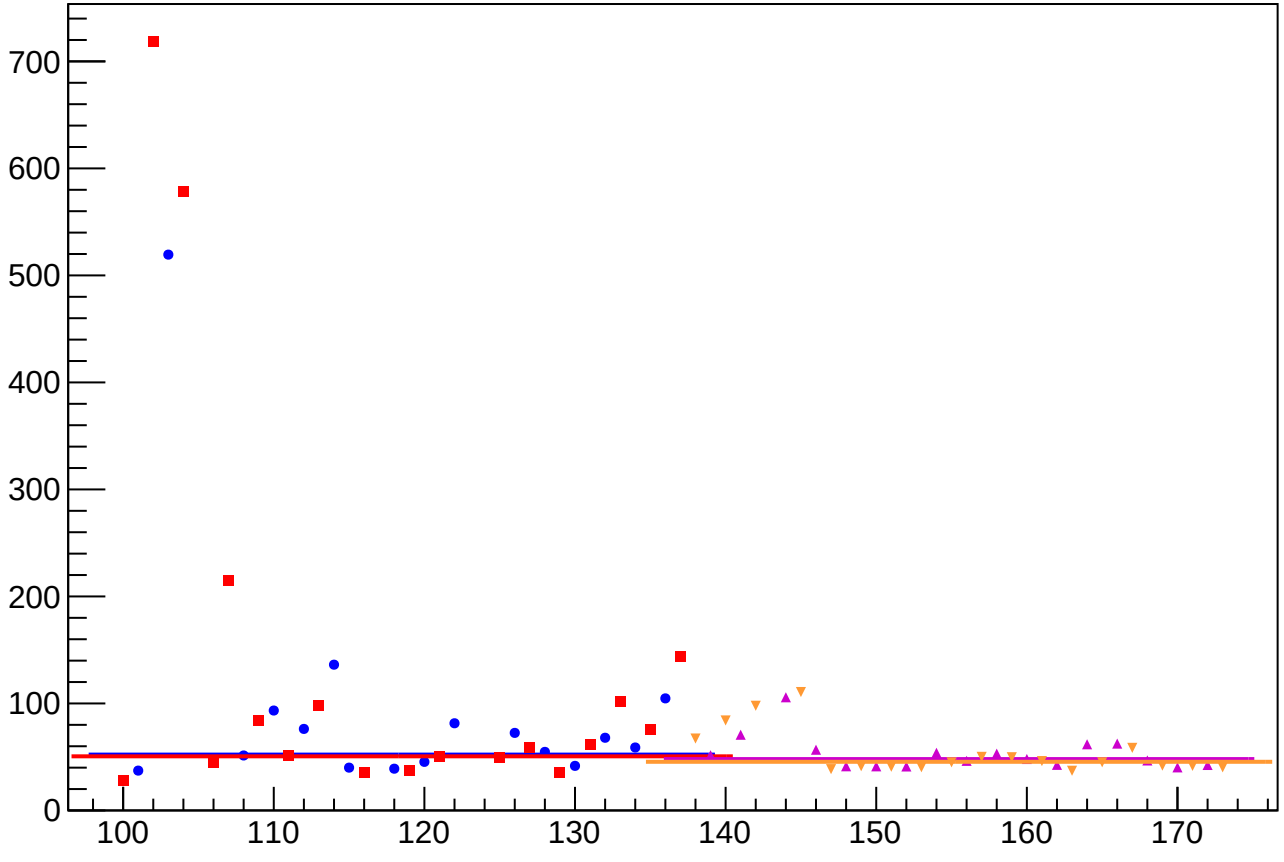
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.009+/-0.012 χ^2/NDF:33.2/32

Out: 0.002+/-0.012 χ^2/NDF:40.6/35

All: -0.003+/-0.008 χ^2/NDF: 74.3/68

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: 45.475+/-0.009 χ^2/NDF:1543313.0/17

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 48.004+/-0.010 χ^2/NDF:1087532.2/16

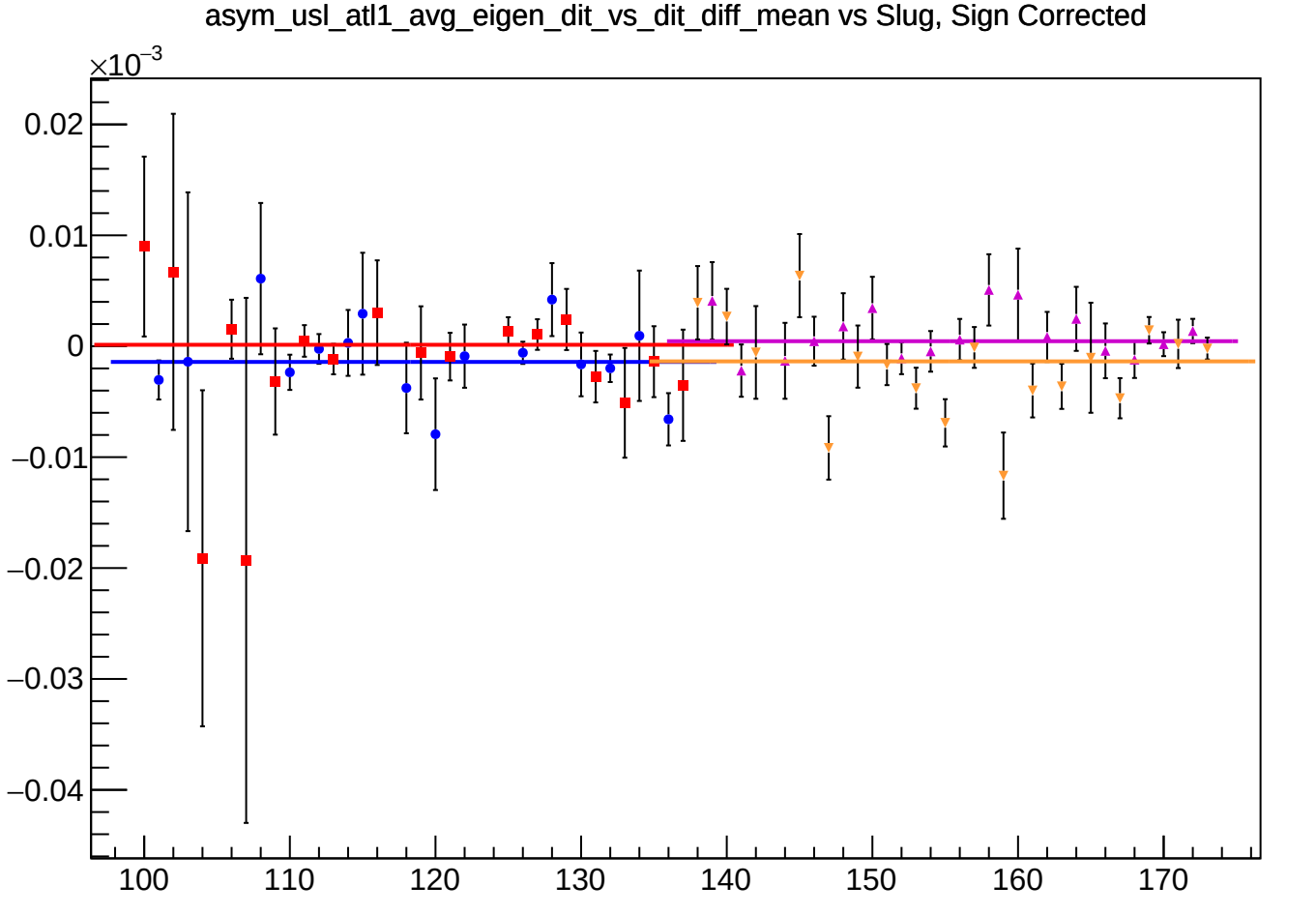
Left: 46.679+/-0.007 χ^2/NDF: 2665185.9/34

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 49.159+/-0.008 χ^2/NDF:3403973.1/32

Out: 46.709+/-0.008 χ^2/NDF:4665738.6/35

All: 47.904+/-0.006 χ^2/NDF: 8113193.0/68



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:46.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: 0.000+/-0.000 χ^2/NDF:10.9/16

Left: -0.000+/-0.000 χ^2/NDF: 64.4/34

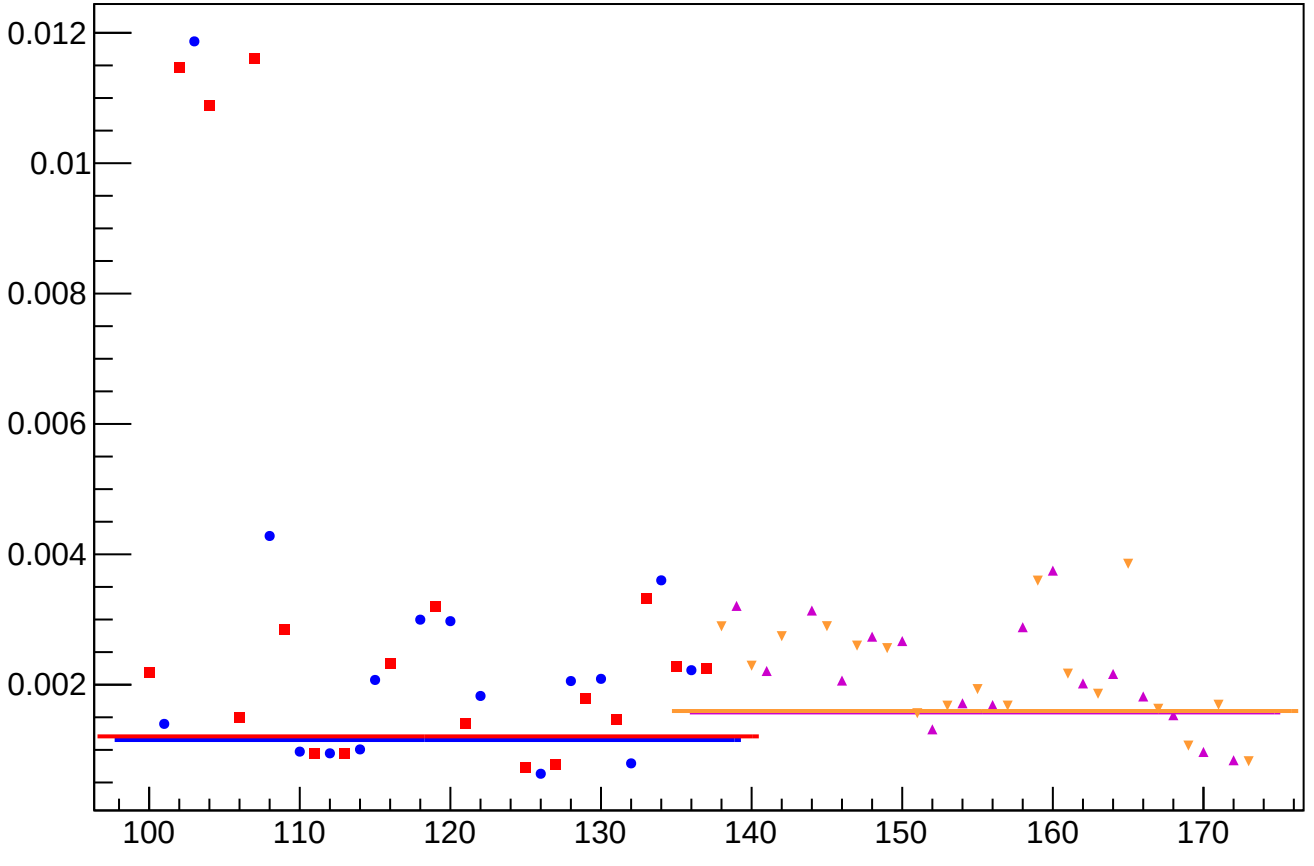
Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:33.0/32

Out: -0.000+/-0.000 χ^2/NDF:61.9/35

All: -0.000+/-0.000 χ^2/NDF: 95.3/68

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:4101941.9/17

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:4379029.1/16

Left: 0.002+/-0.000 χ^2/NDF: 8483071.7/34

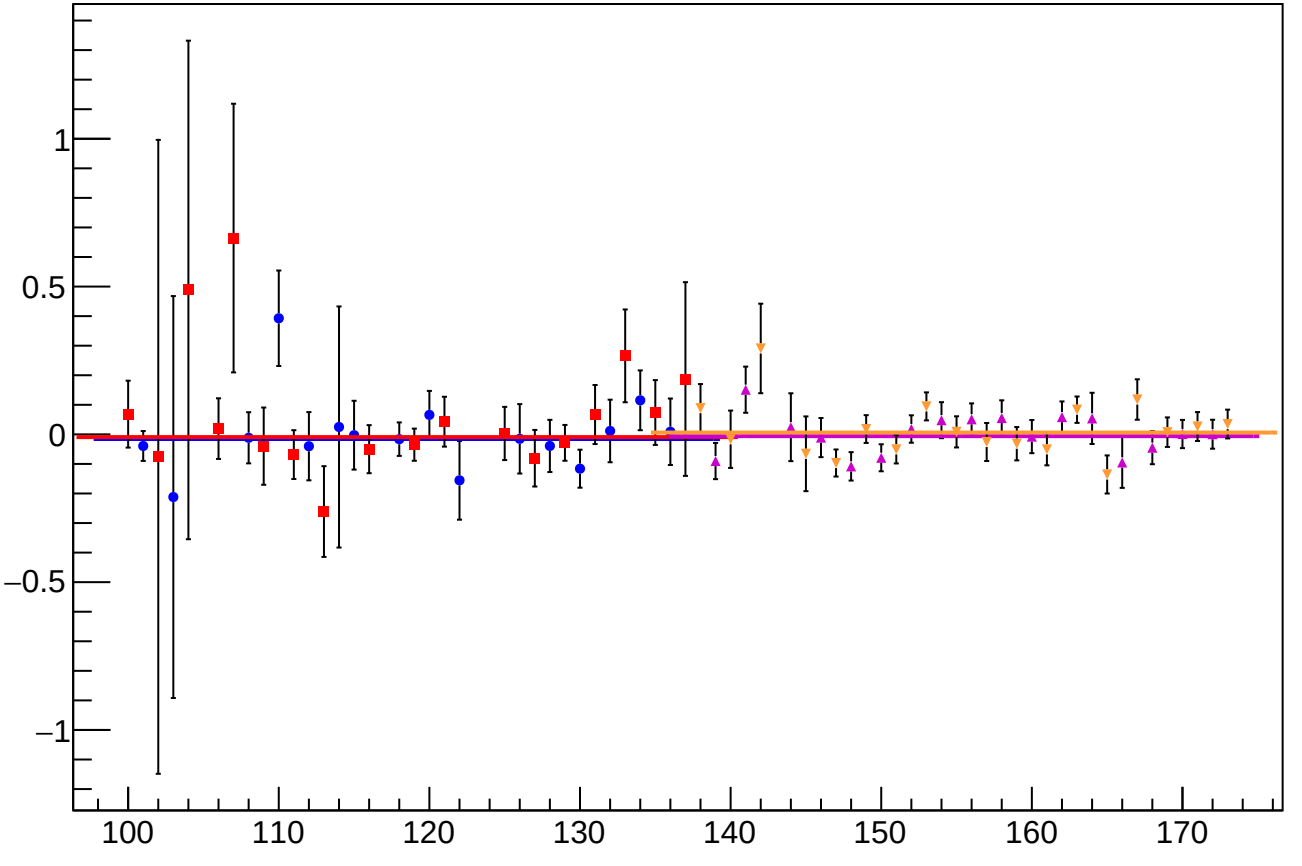
Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:9302987.4/32

Out: 0.001+/-0.000 χ^2/NDF:9191393.7/35

All: 0.001+/-0.000 χ^2/NDF: 18514067.0/68

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: 0.006+/-0.013 χ^2/NDF:27.8/17

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.006+/-0.014 χ^2/NDF:19.9/16

Left: 0.000+/-0.010 χ^2/NDF: 48.1/34

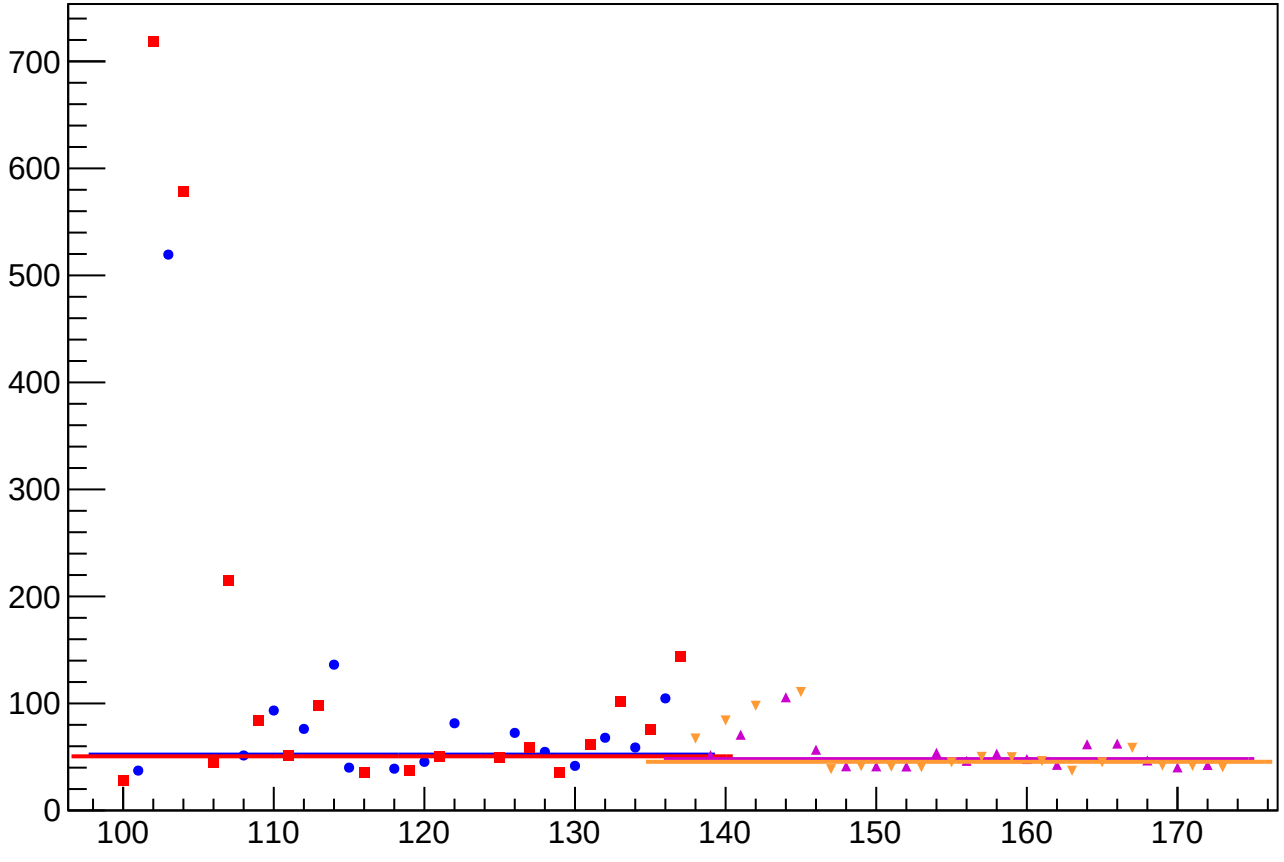
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.009+/-0.012 χ^2/NDF:33.2/32

Out: 0.002+/-0.012 χ^2/NDF:40.6/35

All: -0.003+/-0.008 χ^2/NDF: 74.3/68

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: 45.475+/-0.009 χ^2/NDF:1543298.5/17

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 48.004+/-0.010 χ^2/NDF:1087535.3/16

Left: 46.680+/-0.007 χ^2/NDF: 2665170.0/34

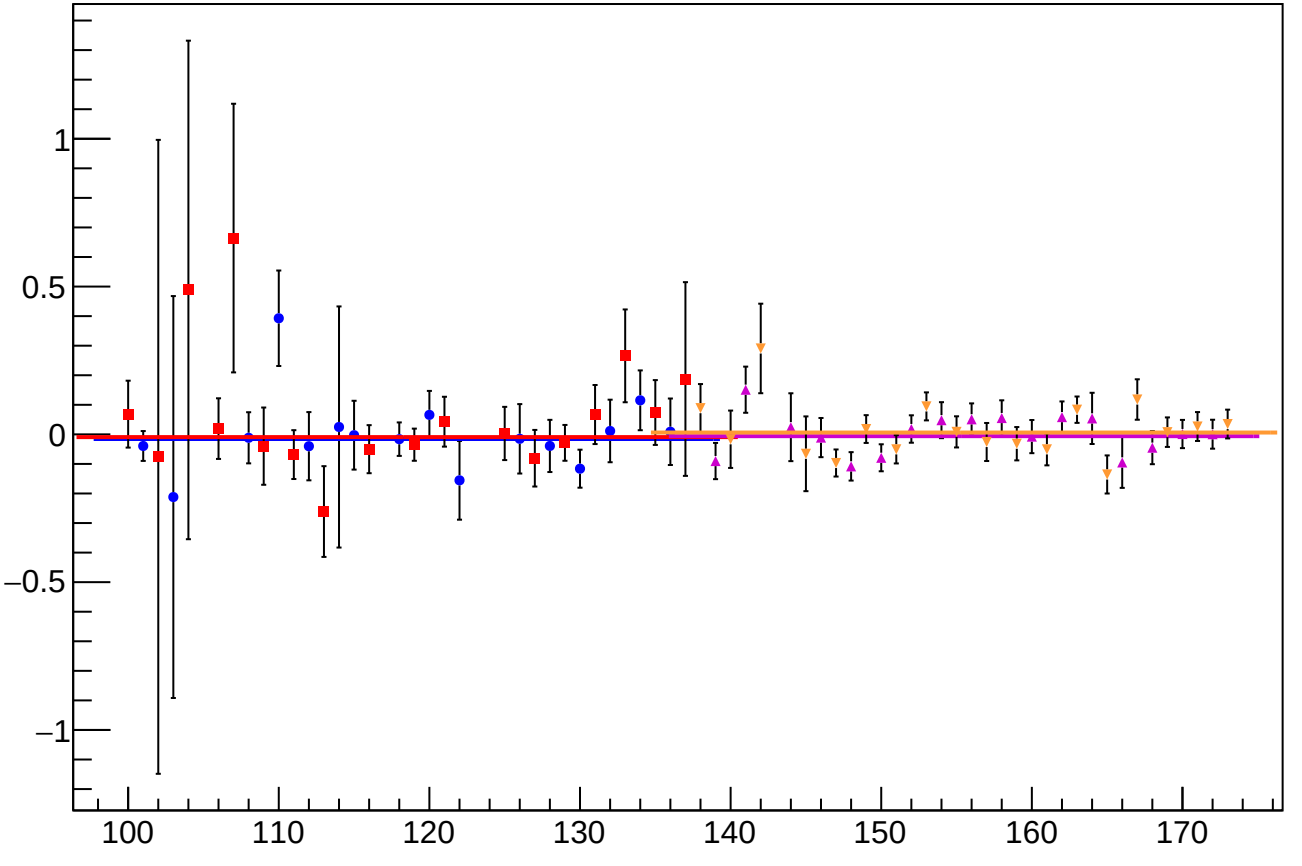
Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 49.159+/-0.008 χ^2/NDF:3403965.9/32

Out: 46.709+/-0.008 χ^2/NDF:4665696.6/35

All: 47.904+/-0.006 χ^2/NDF: 8113140.1/68

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.006+/-0.013 χ^2/NDF:27.8/17

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.006+/-0.014 χ^2/NDF:19.9/16

Left: 0.000+/-0.010 χ^2/NDF: 48.1/34

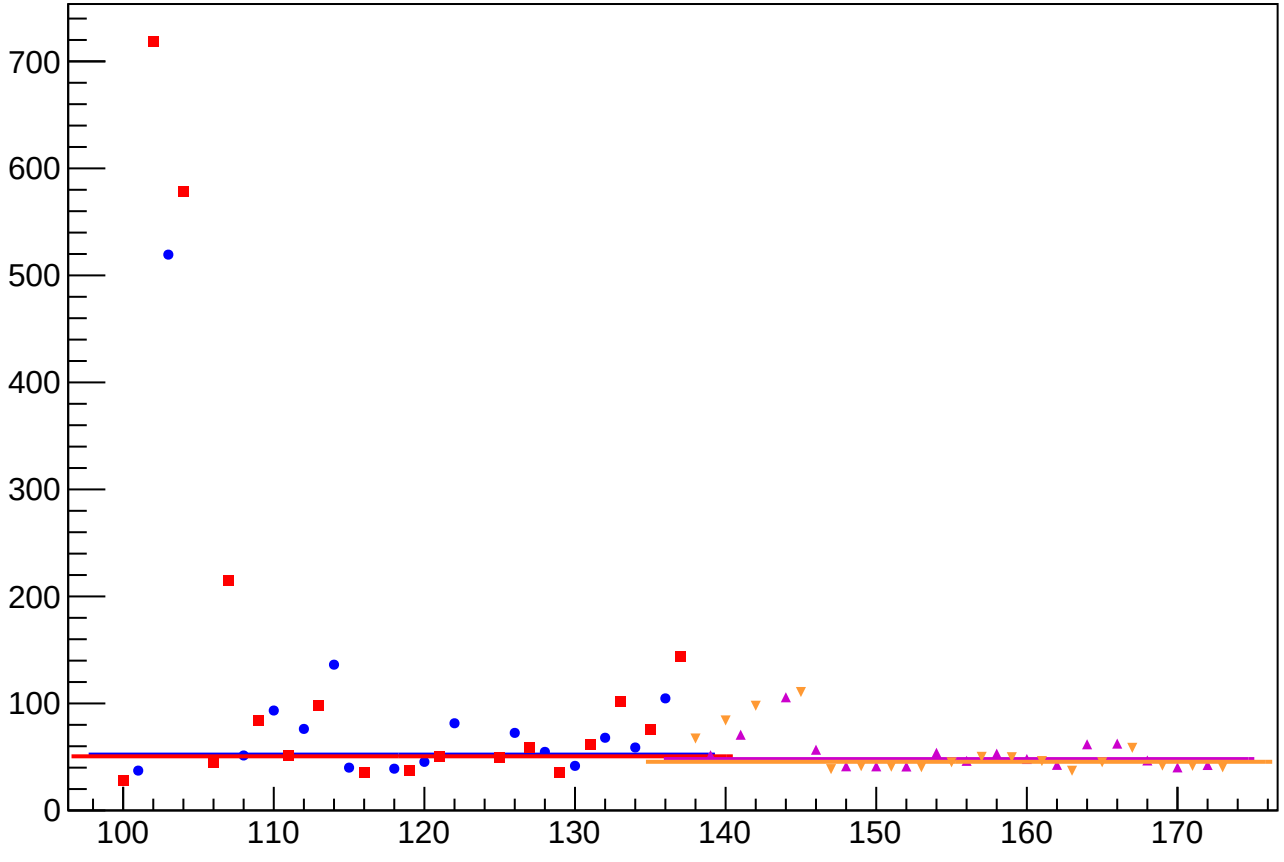
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.009+/-0.012 χ^2/NDF:33.2/32

Out: 0.002+/-0.012 χ^2/NDF:40.6/35

All: -0.003+/-0.008 χ^2/NDF: 74.3/68

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: 45.475+/-0.009 χ^2/NDF:1543298.5/17

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 48.004+/-0.010 χ^2/NDF:1087535.3/16

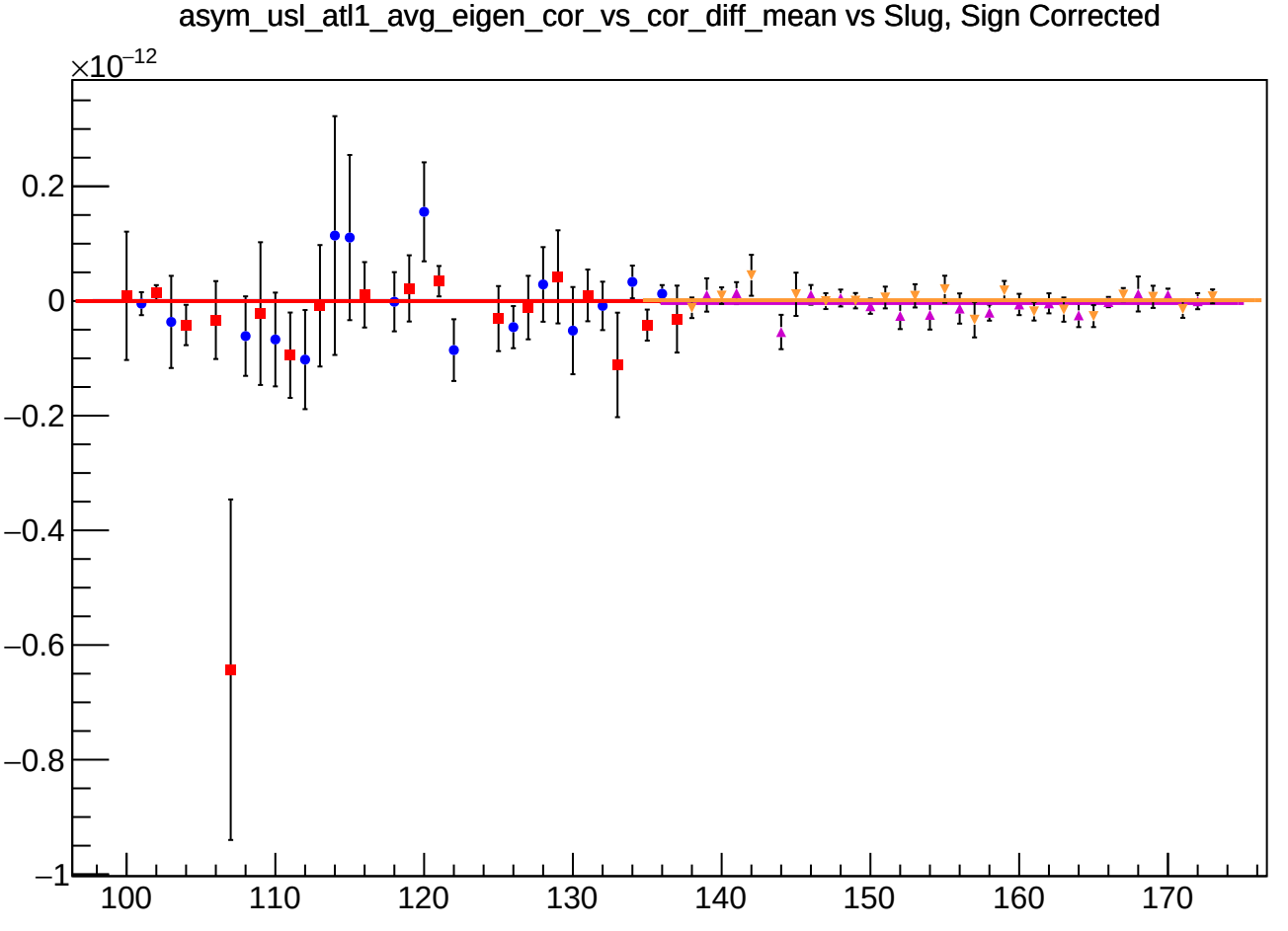
Left: 46.680+/-0.007 χ^2/NDF: 2665170.0/34

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 49.159+/-0.008 χ^2/NDF:3403965.9/32

Out: 46.709+/-0.008 χ^2/NDF:4665696.6/35

All: 47.904+/-0.006 χ^2/NDF: 8113140.1/68



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.8/17

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:11.4/16

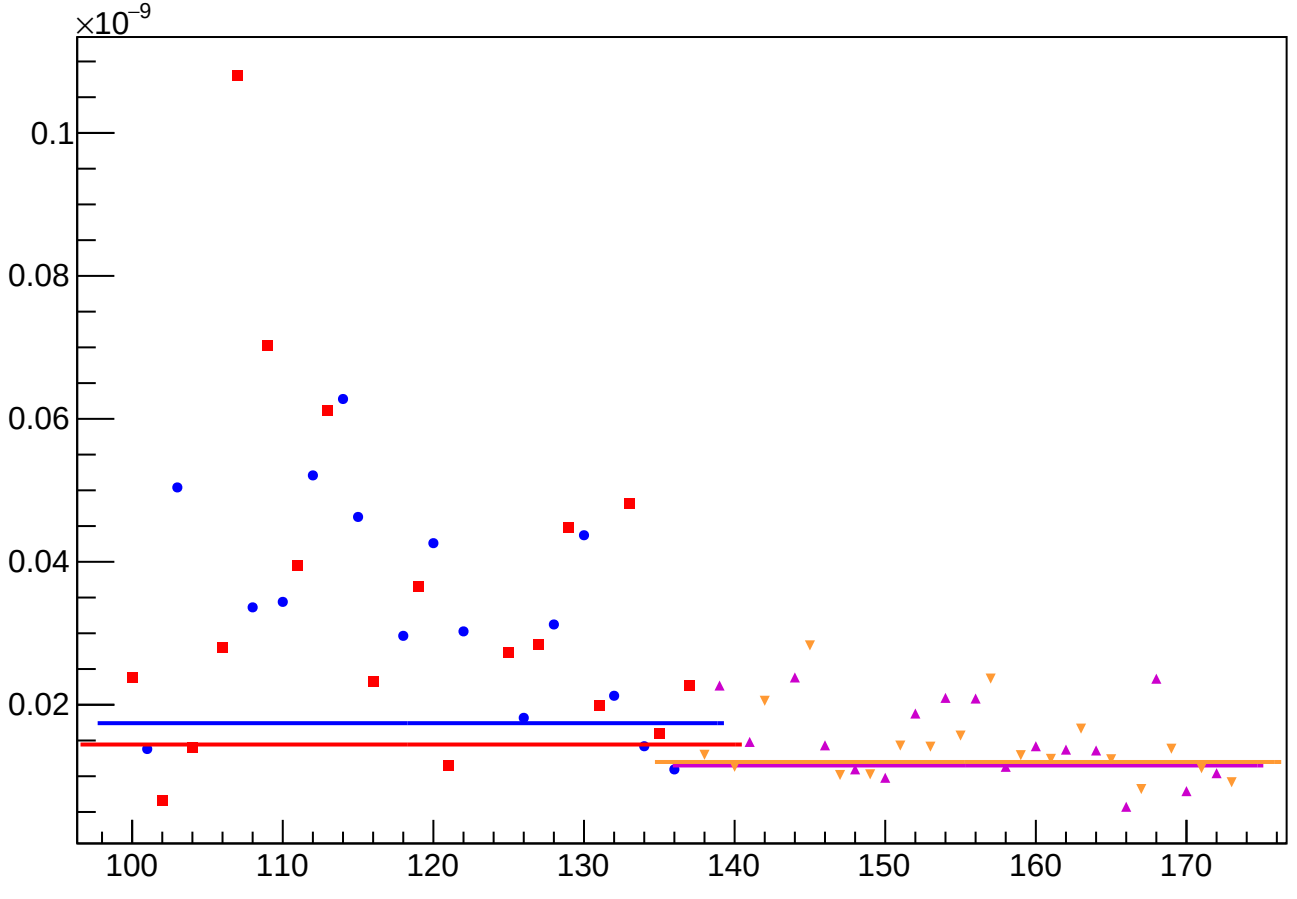
Left: -0.000+/-0.000 χ^2/NDF: 23.9/34

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

In: -0.000+/-0.000 χ^2/NDF:25.6/32

Out: 0.000+/-0.000 χ^2/NDF:27.8/35

All: -0.000+/-0.000 χ^2/NDF: 54.0/68



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1408009.9/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

Left In: 0.000+/-0.000 χ^2/NDF:2970359.9/16

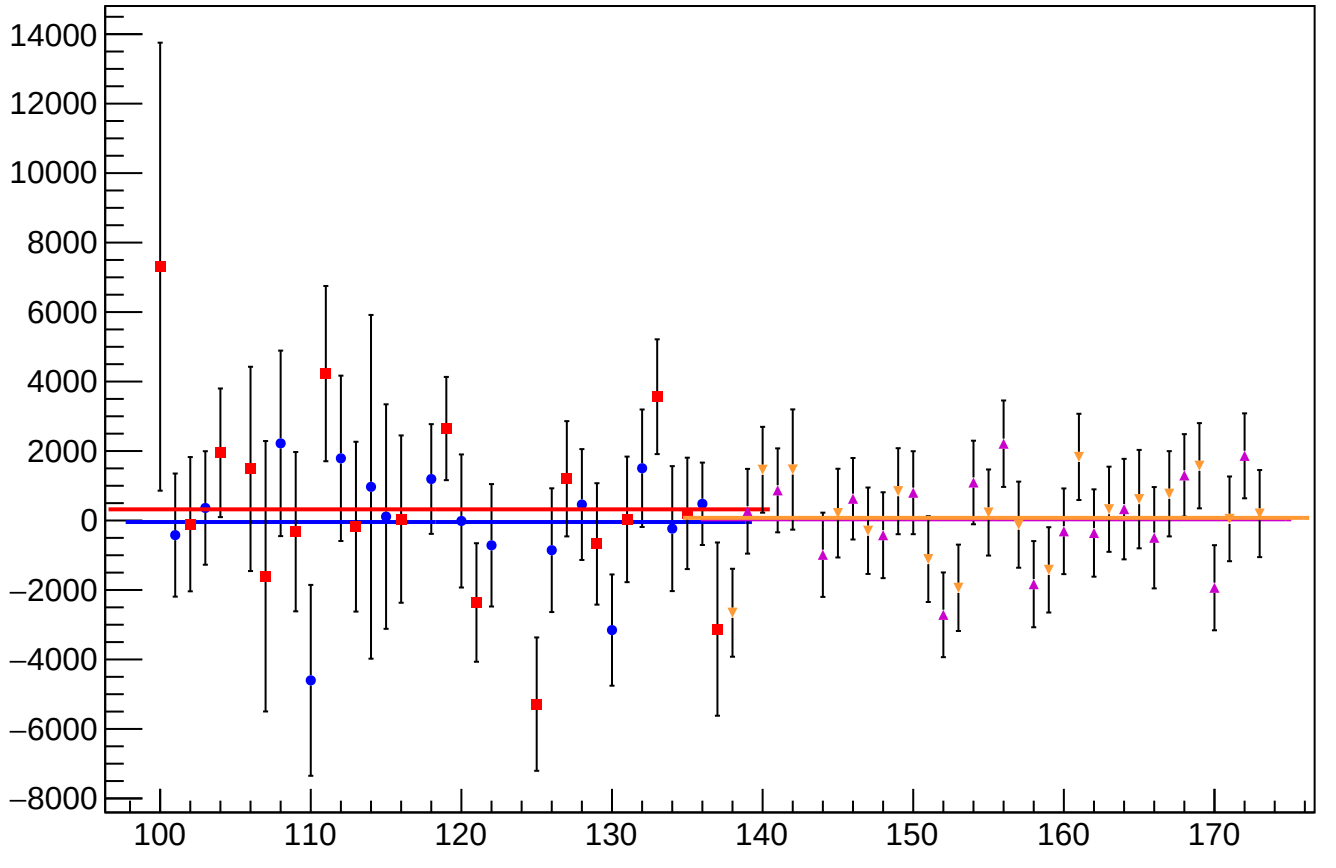
Left: 0.000+/-0.000 χ^2/NDF: 4393379.0/34

Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:5869544.9/32

Out: 0.000+/-0.000 χ^2/NDF:4793177.0/35

All: 0.000+/-0.000 χ^2/NDF: 10662728.8/68



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: 76.047+/-298.217 χ^2/NDF:16.1/17

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: 34.279+/-300.653 χ^2/NDF:19.5/16

Left: 55.333+/-211.727 χ^2/NDF: 35.7/34

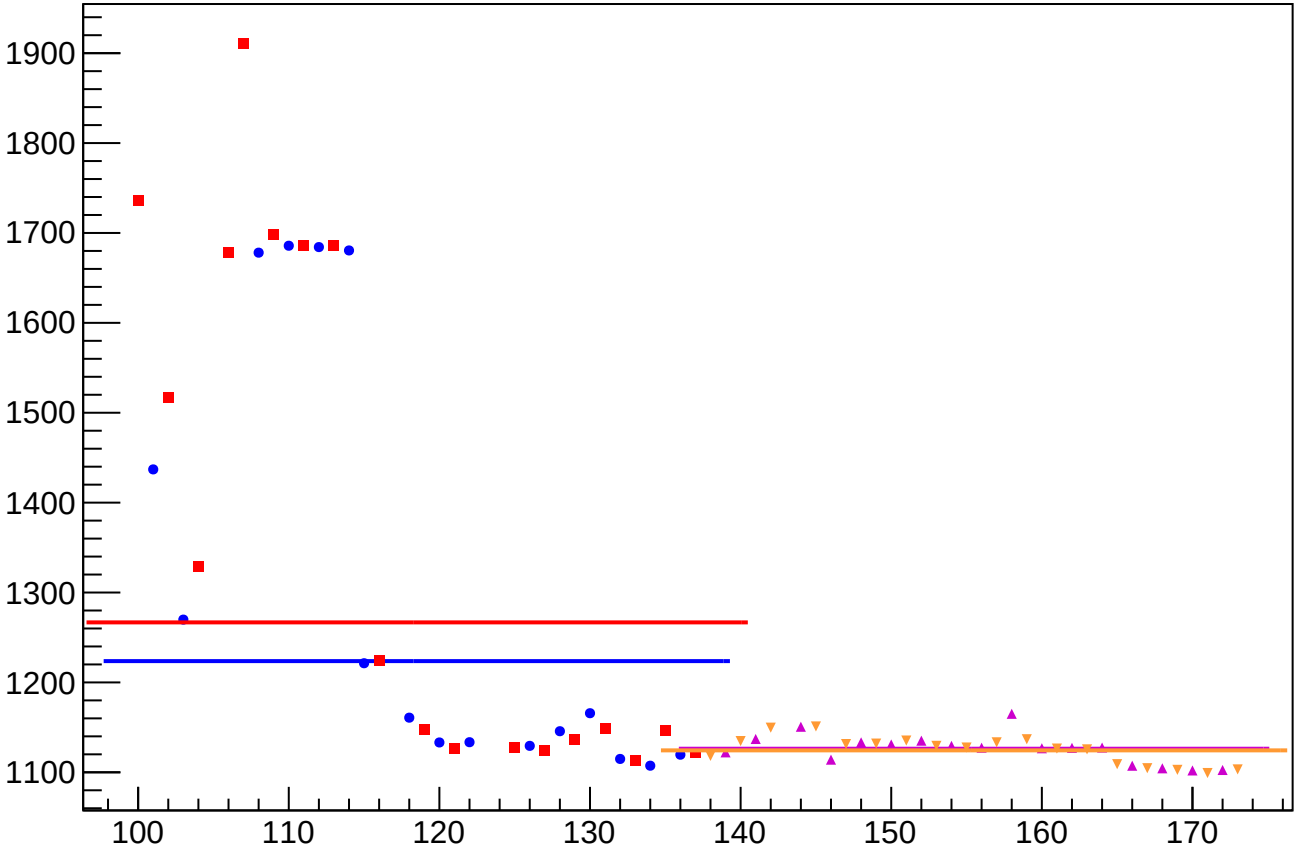
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: 10.888+/-251.539 χ^2/NDF:29.6/32

Out: 145.389+/-252.557 χ^2/NDF:41.1/35

All: 77.867+/-178.224 χ^2/NDF: 70.9/68

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1124.408+/-0.211 χ^2/NDF:4942.7/17

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1126.241+/-0.213 χ^2/NDF:5932.5/16

Left: 1125.317+/-0.150 χ^2/NDF: 10912.7/34

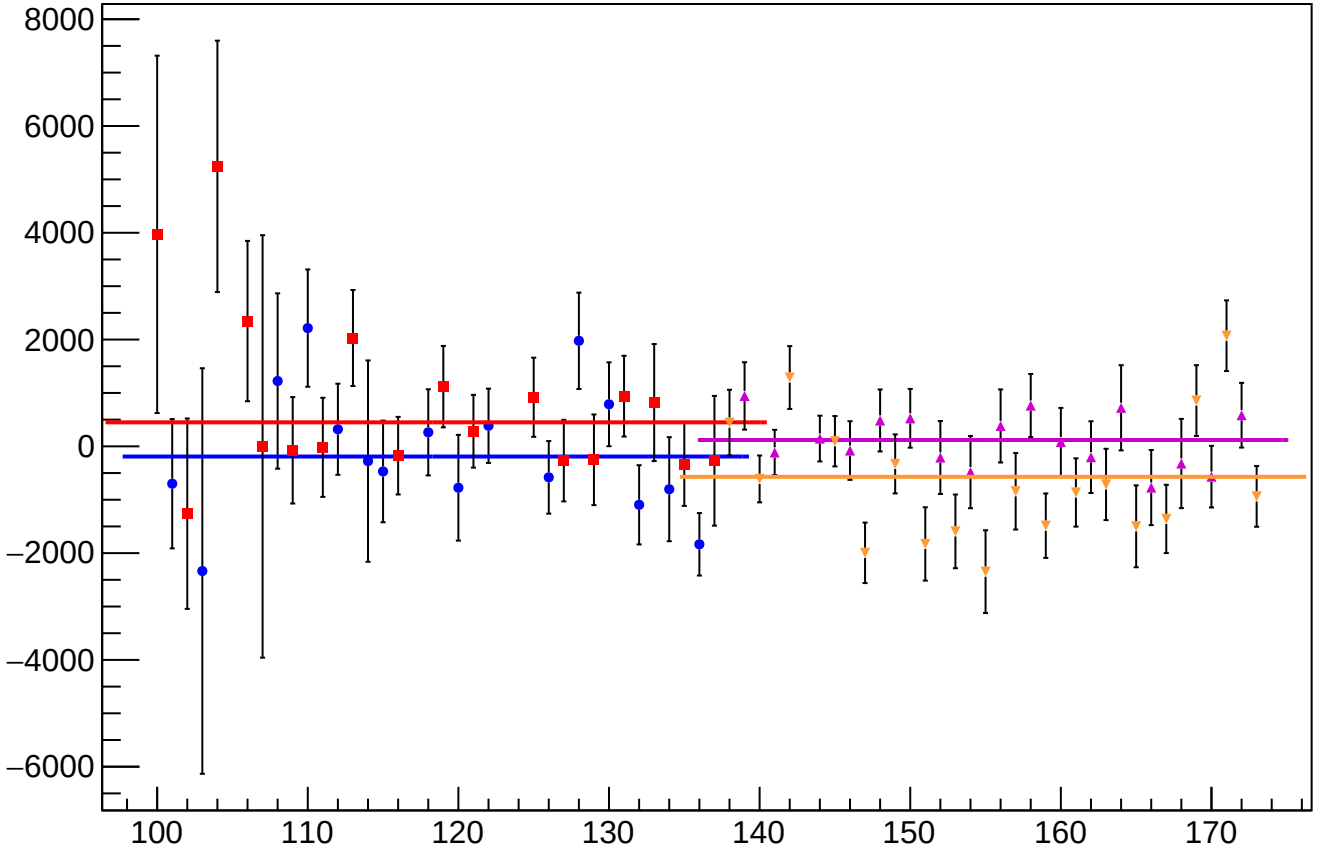
Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1155.483+/-0.178 χ^2/NDF:363958.9/32

Out: 1164.668+/-0.179 χ^2/NDF:566688.0/35

All: 1160.057+/-0.126 χ^2/NDF: 931974.8/68

asym_usl_atl1_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -570.762+/-143.356 χ^2/NDF:58.7/17

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 118.839+/-144.551 χ^2/NDF:10.1/16

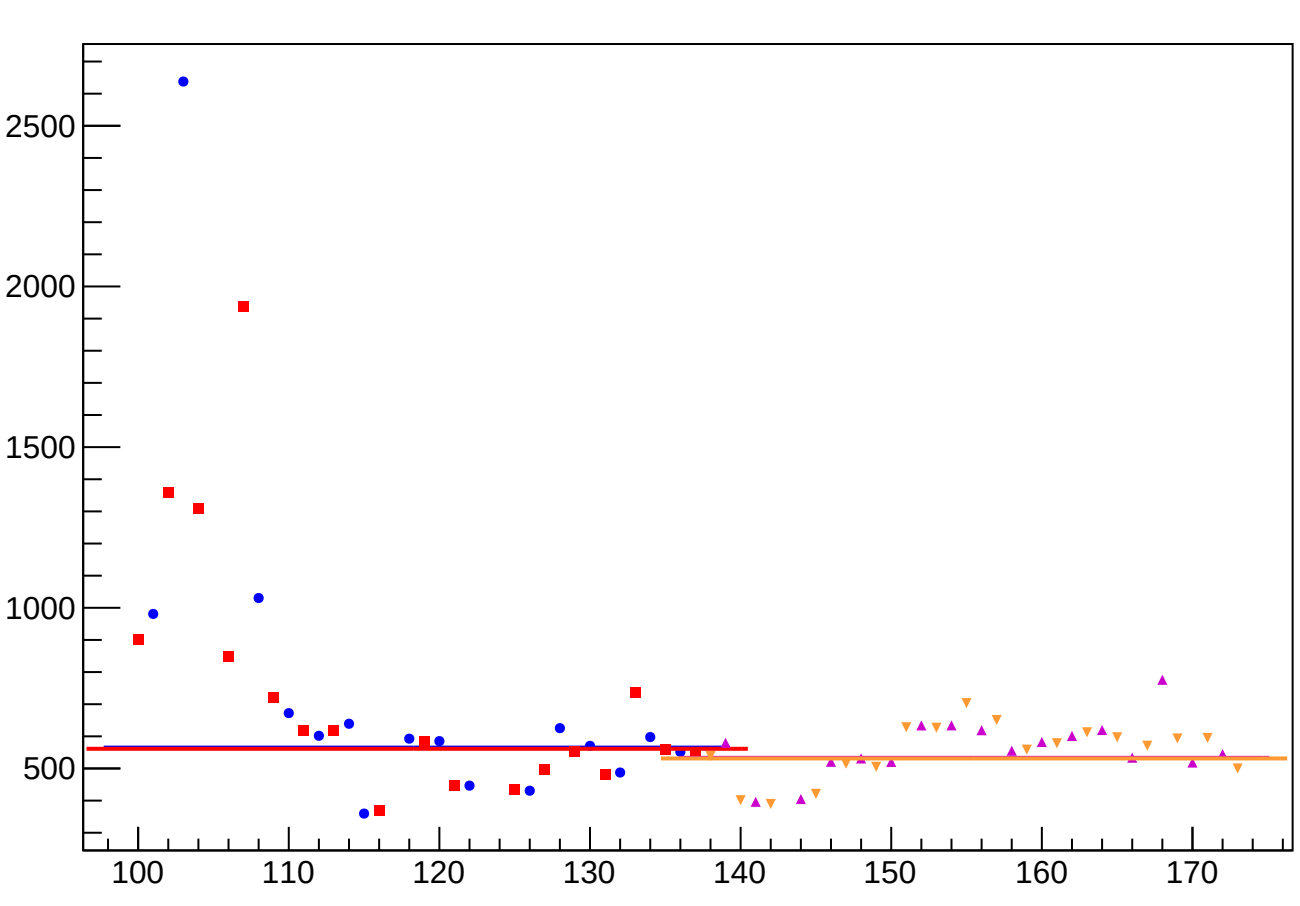
Left: -228.825+/-101.788 χ^2/NDF: 80.3/34

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 27.201+/-121.276 χ^2/NDF:36.7/32

Out: -272.704+/-120.620 χ^2/NDF:90.3/35

All: -123.565+/-85.522 χ^2/NDF: 130.1/68



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 531.199+/-0.101 χ^2/NDF:748908.6/17

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 533.060+/-0.102 χ^2/NDF:750921.2/16

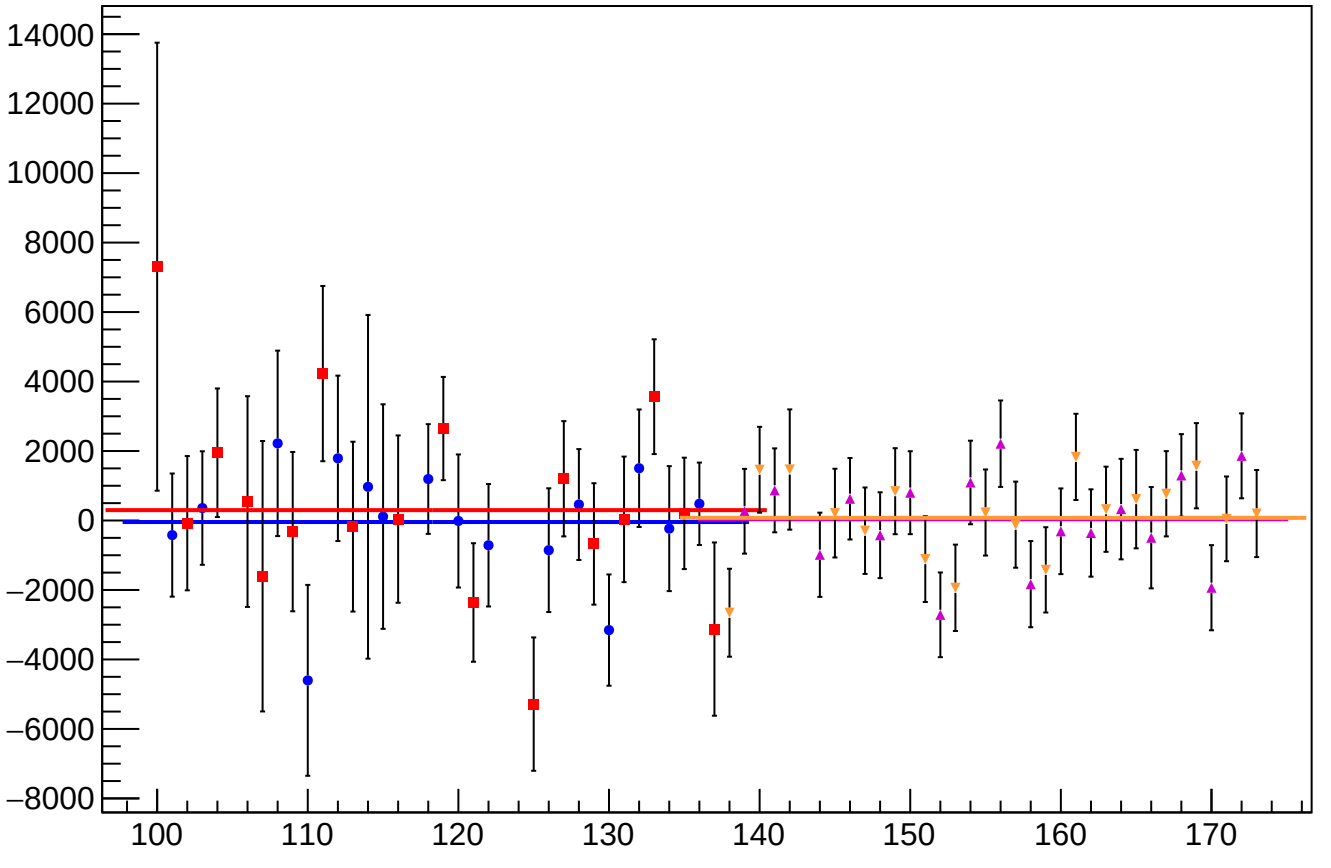
Left: 532.122+/-0.072 χ^2/NDF: 1499997.0/34

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 542.506+/-0.086 χ^2/NDF:2064238.4/32

Out: 539.973+/-0.085 χ^2/NDF:2126802.9/35

All: 541.233+/-0.060 χ^2/NDF: 4191479.9/68



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 76.080+/-298.217 χ^2/NDF:16.1/17

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 34.303+/-300.653 χ^2/NDF:19.5/16

Left: 55.362+/-211.727 χ^2/NDF: 35.6/34

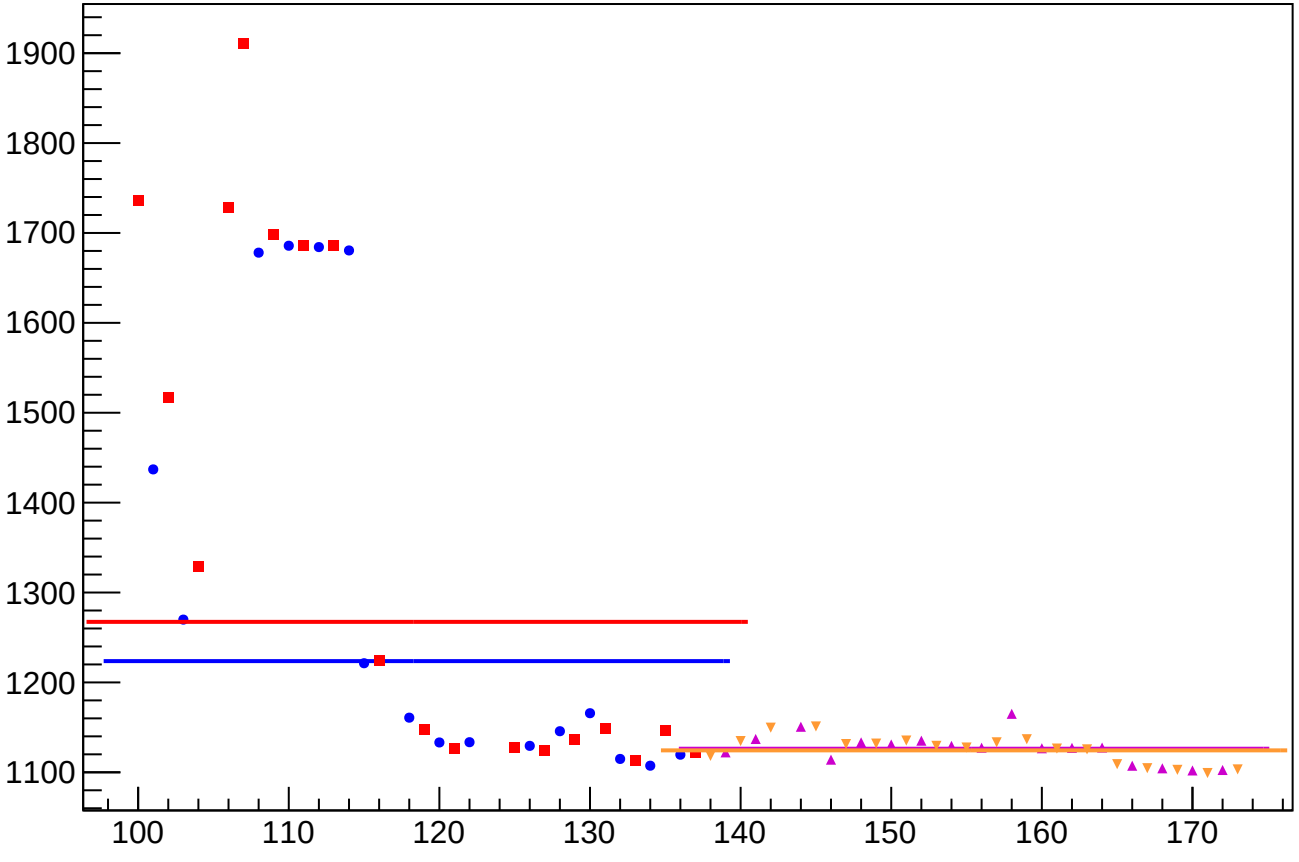
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 10.833+/-251.539 χ^2/NDF:29.6/32

Out: 138.821+/-252.614 χ^2/NDF:40.9/35

All: 74.554+/-178.244 χ^2/NDF: 70.7/68

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1124.408+/-0.211 χ^2/NDF:4942.7/17

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1126.241+/-0.213 χ^2/NDF:5932.5/16

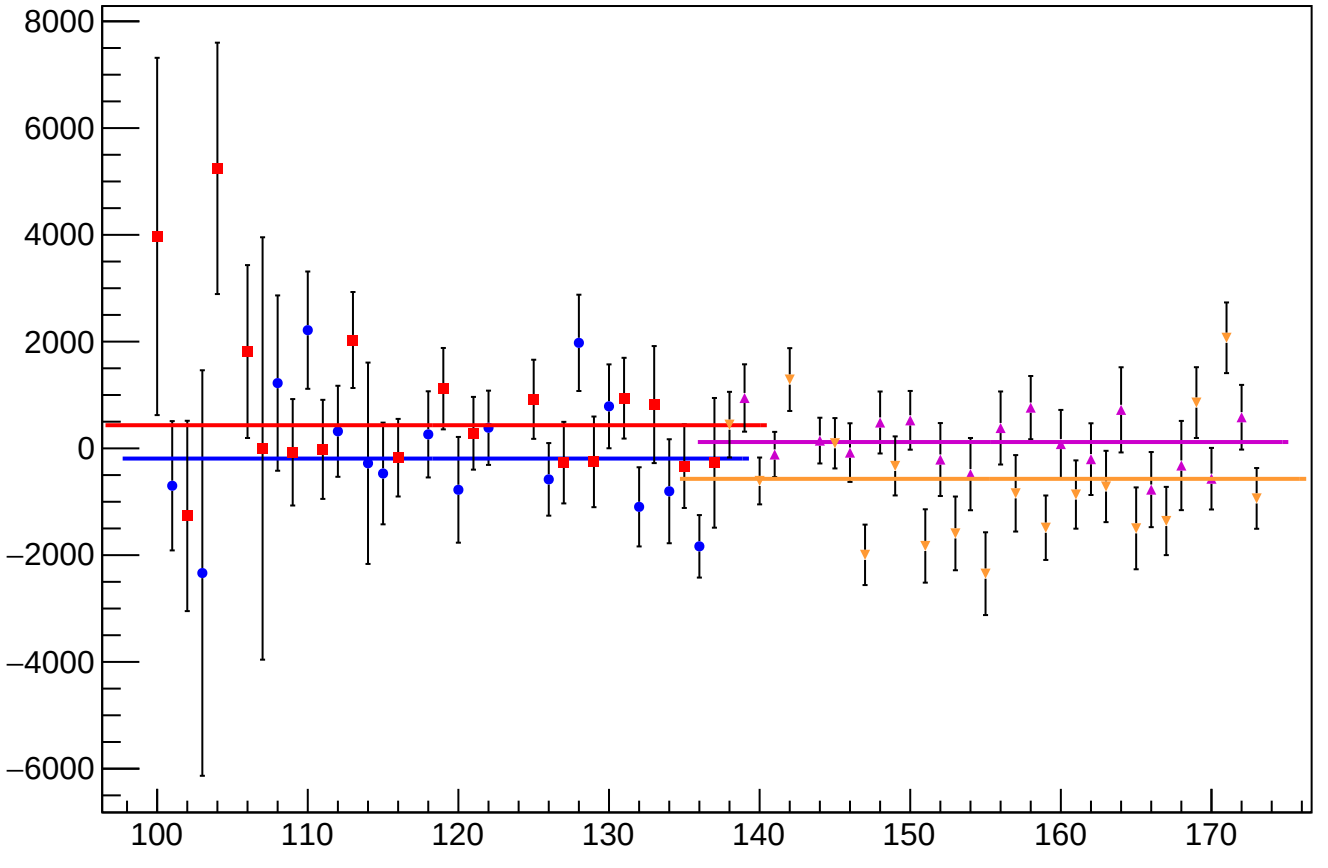
Left: 1125.317+/-0.150 χ^2/NDF: 10912.7/34

Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1155.483+/-0.178 χ^2/NDF:363959.0/32

Out: 1164.787+/-0.179 χ^2/NDF:574736.4/35

All: 1160.115+/-0.126 χ^2/NDF: 940057.6/68



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -570.783+/-143.355 χ^2/NDF:58.7/17

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 118.841+/-144.551 χ^2/NDF:10.1/16

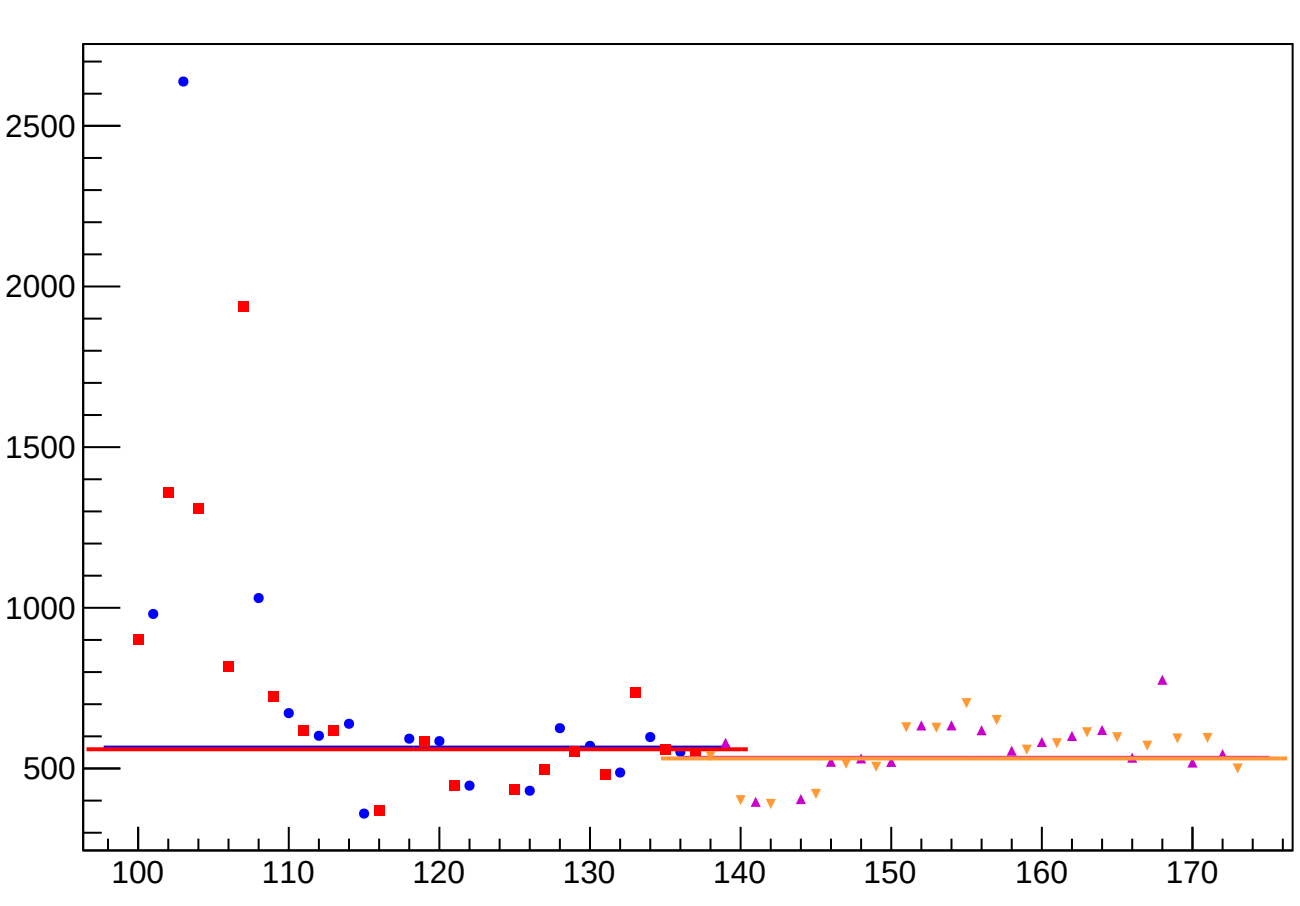
Left: -228.836+/-101.788 χ^2/NDF: 80.3/34

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 27.198+/-121.276 χ^2/NDF:36.7/32

Out: -278.024+/-120.674 χ^2/NDF:88.9/35

All: -126.172+/-85.541 χ^2/NDF: 128.9/68



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 531.197+/-0.101 χ^2/NDF:748898.3/17

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 533.060+/-0.102 χ^2/NDF:750879.1/16

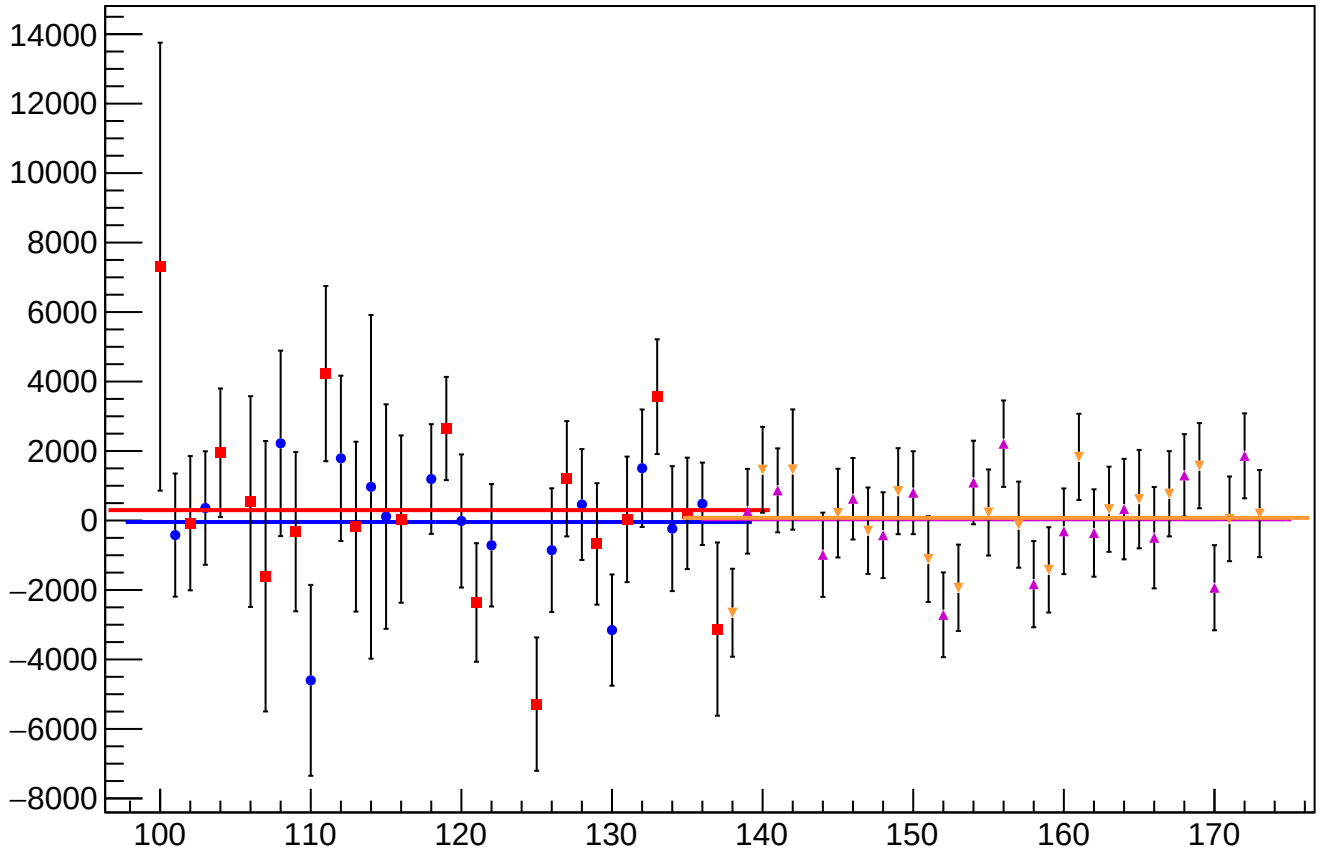
Left: 532.121+/-0.072 χ^2/NDF: 1499944.9/34

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 542.504+/-0.086 χ^2/NDF:2064165.9/32

Out: 539.520+/-0.085 χ^2/NDF:2101388.1/35

All: 541.005+/-0.060 χ^2/NDF: 4166162.7/68



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 76.080+/-298.217 χ^2/NDF:16.1/17

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 34.303+/-300.653 χ^2/NDF:19.5/16

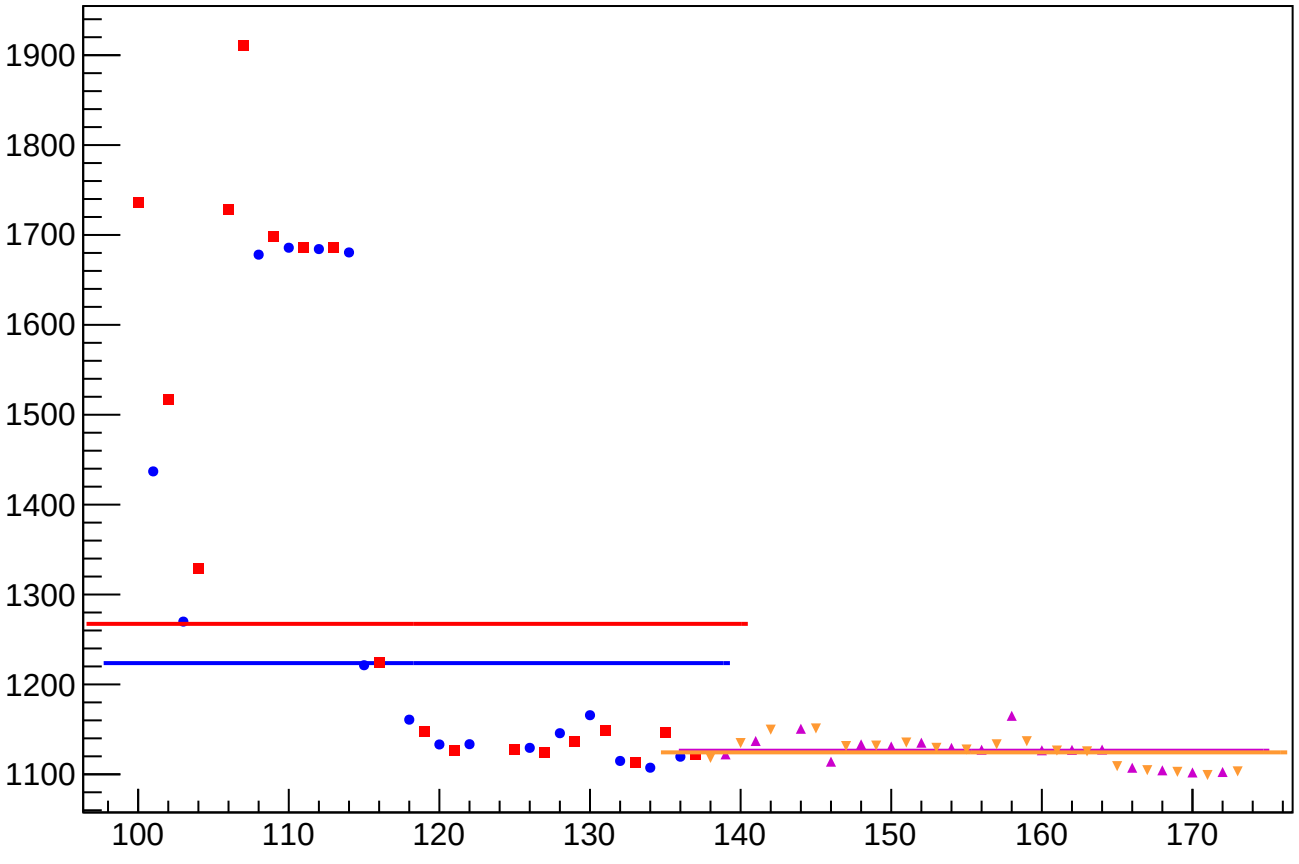
Left: 55.362+/-211.727 χ^2/NDF: 35.6/34

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 10.833+/-251.539 χ^2/NDF:29.6/32

Out: 138.821+/-252.614 χ^2/NDF:40.9/35

All: 74.554+/-178.244 χ^2/NDF: 70.7/68



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1124.408+/-0.211 χ^2/NDF:4942.7/17

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1126.241+/-0.213 χ^2/NDF:5932.5/16

Left: 1125.317+/-0.150 χ^2/NDF: 10912.7/34

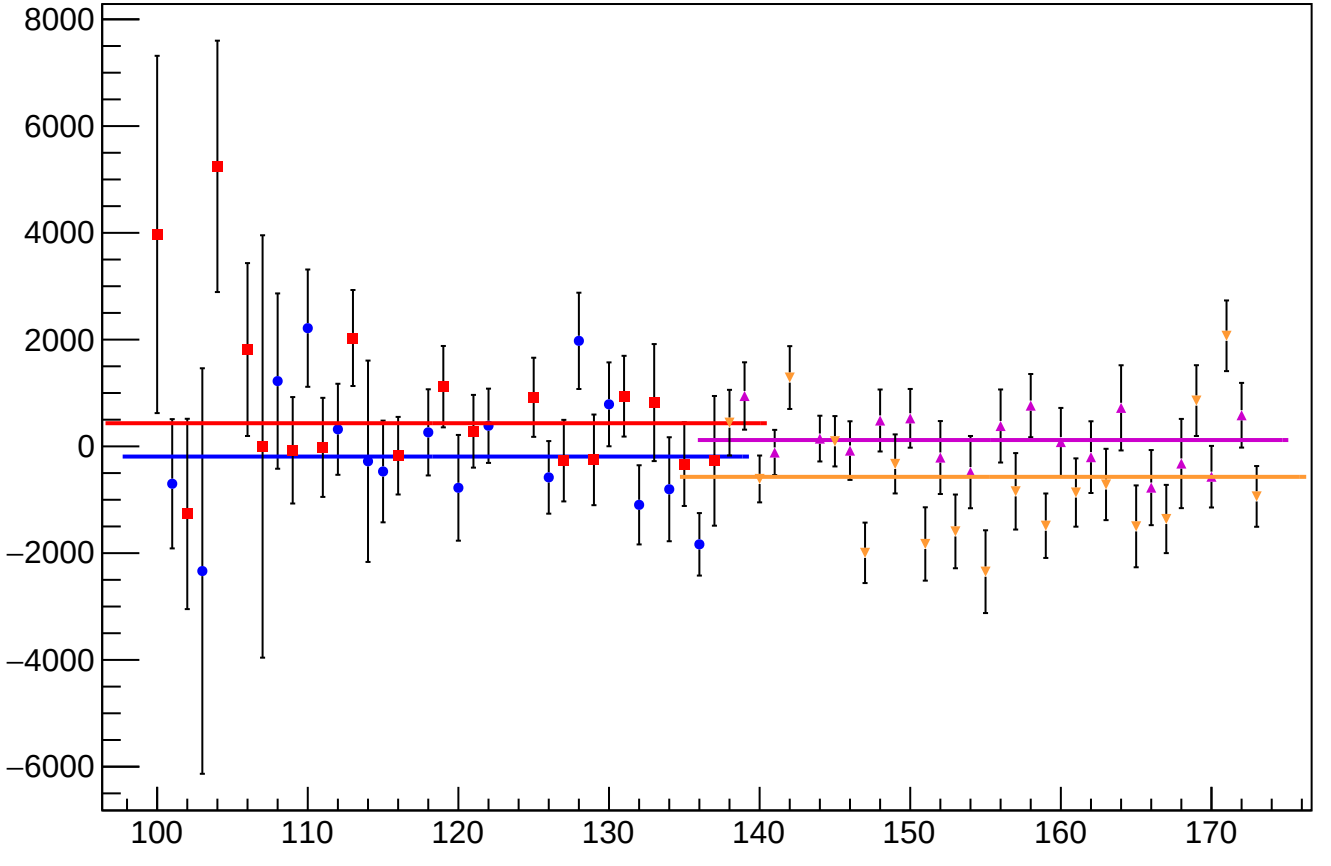
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1155.483+/-0.178 χ^2/NDF:363959.0/32

Out: 1164.787+/-0.179 χ^2/NDF:574736.4/35

All: 1160.115+/-0.126 χ^2/NDF: 940057.6/68

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: -570.783+/-143.355 χ^2/NDF:58.7/17

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 118.841+/-144.551 χ^2/NDF:10.1/16

Left: -228.836+/-101.788 χ^2/NDF: 80.3/34

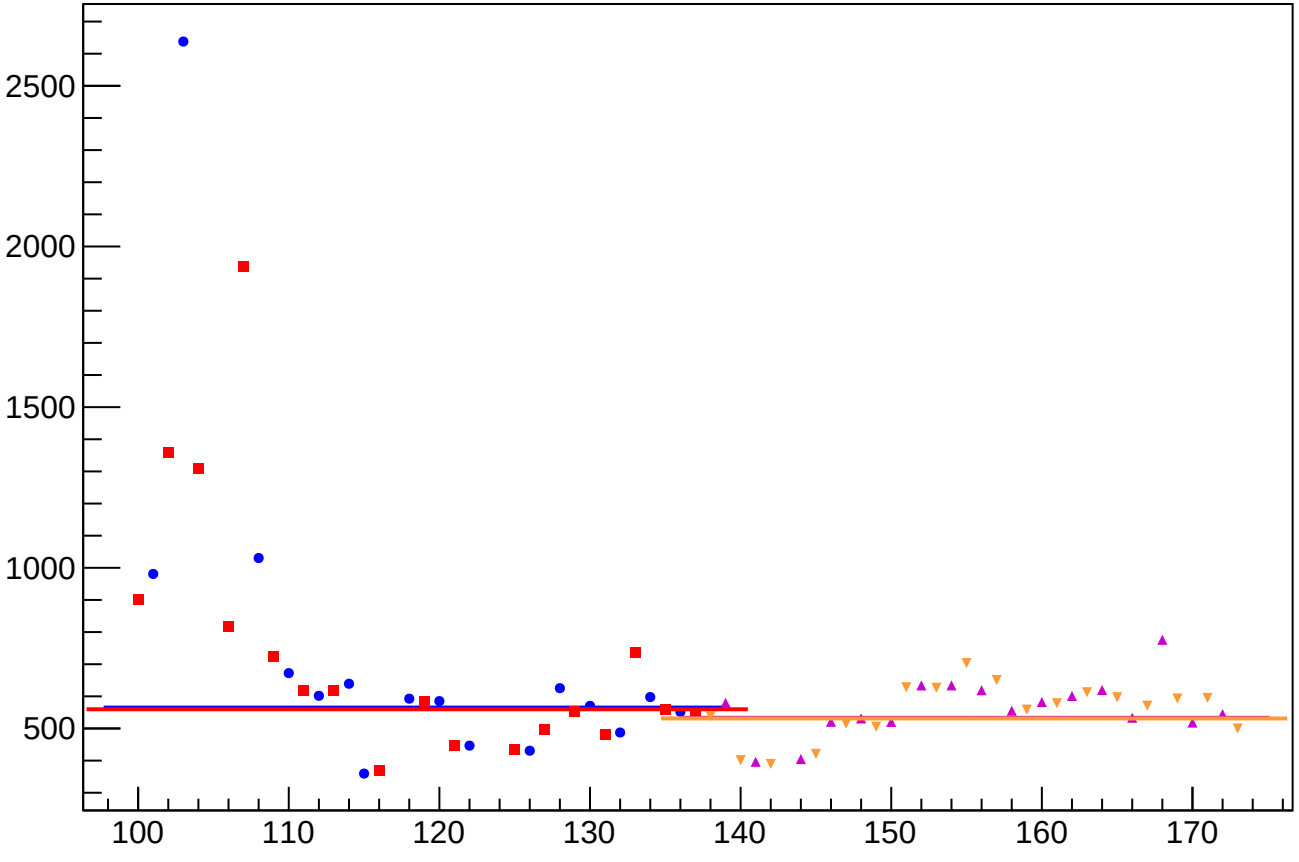
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 27.198+/-121.276 χ^2/NDF:36.7/32

Out: -278.024+/-120.674 χ^2/NDF:88.9/35

All: -126.172+/-85.541 χ^2/NDF: 128.9/68

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: 531.197+/-0.101 χ^2/NDF:748898.3/17

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 533.060+/-0.102 χ^2/NDF:750879.1/16

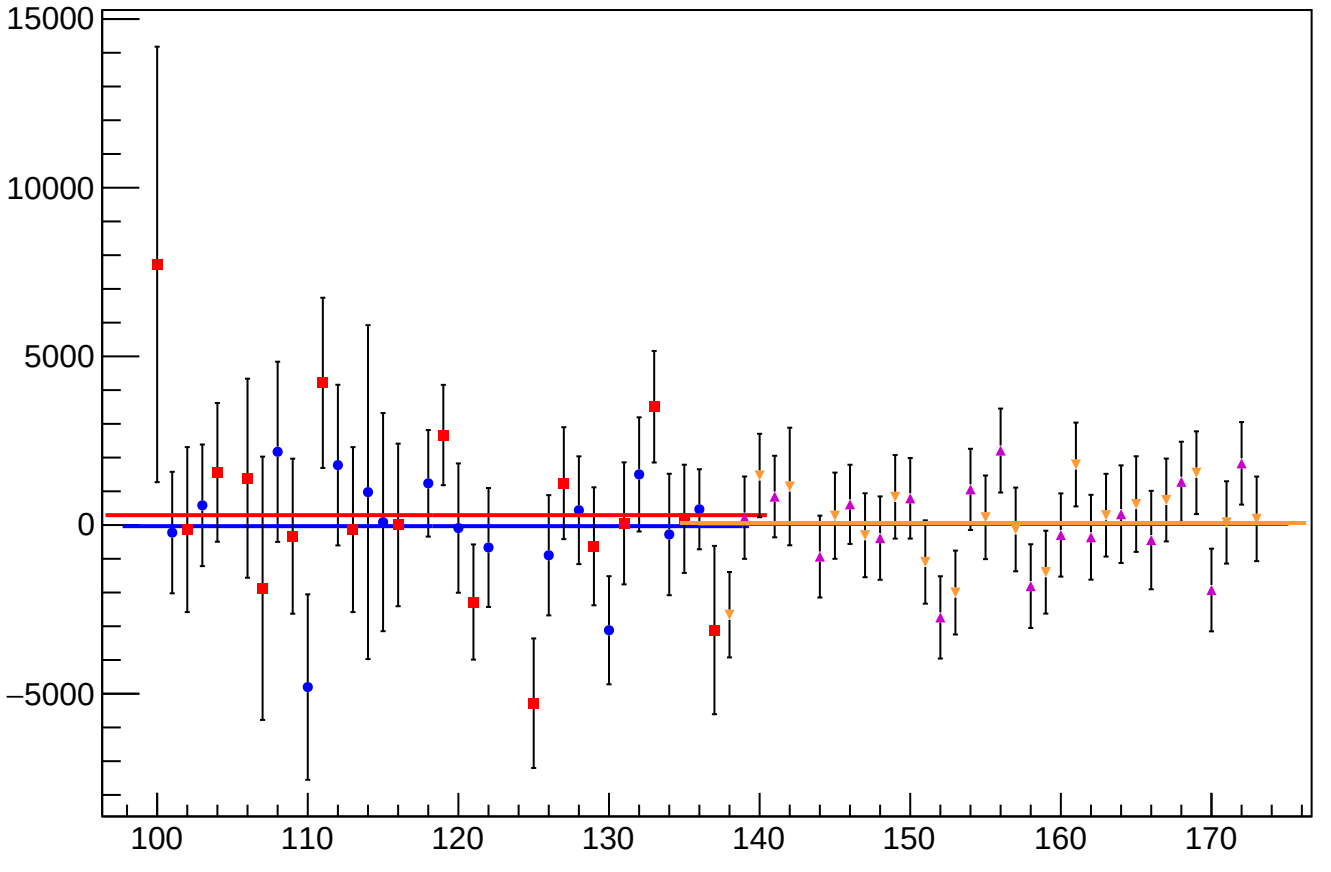
Left: 532.121+/-0.072 χ^2/NDF: 1499944.9/34

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 542.504+/-0.086 χ^2/NDF:2064165.9/32

Out: 539.520+/-0.085 χ^2/NDF:2101388.1/35

All: 541.005+/-0.060 χ^2/NDF: 4166162.7/68



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: 61.068+/-298.394 χ^2/NDF:15.8/17

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 31.637+/-300.771 χ^2/NDF:19.2/16

Left: 46.469+/-211.832 χ^2/NDF: 35.0/34

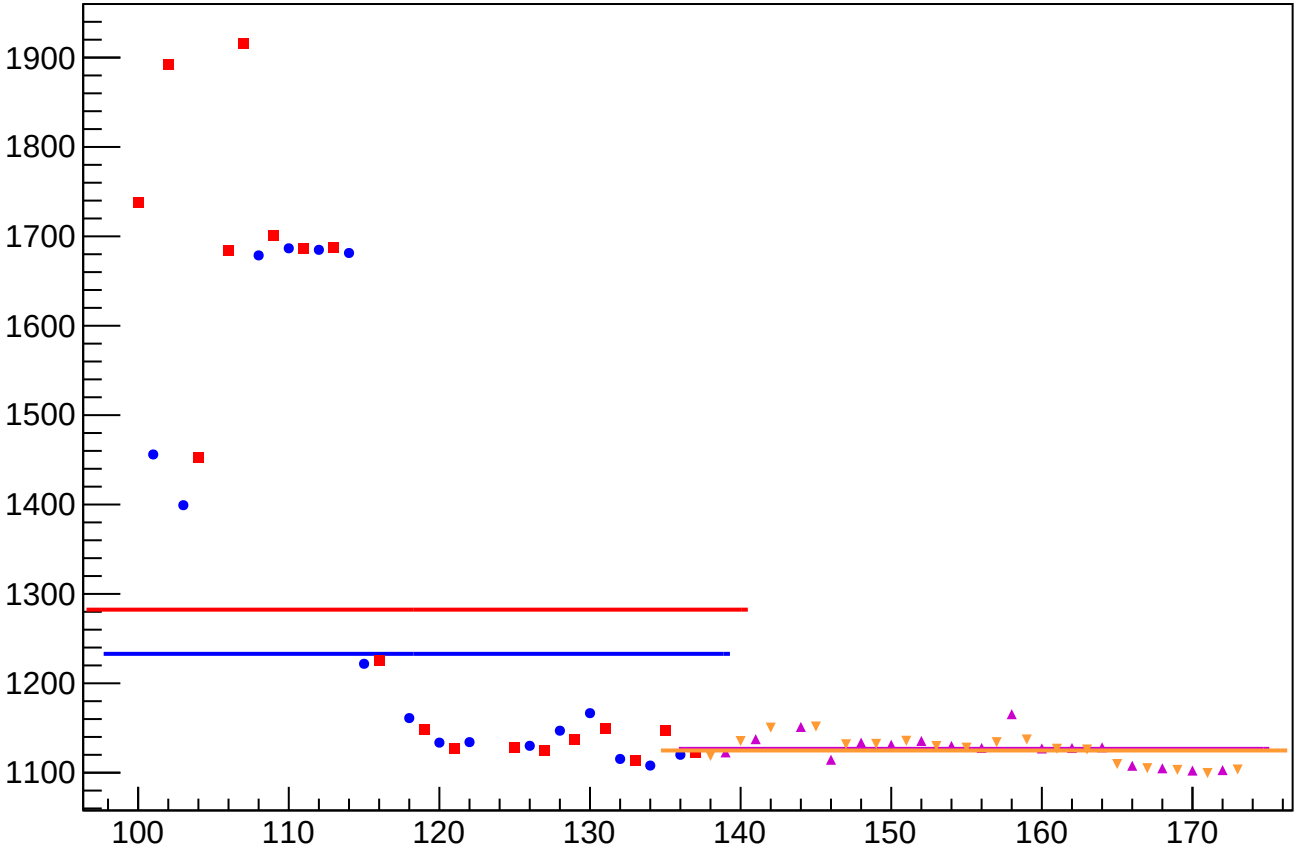
Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: 12.449+/-252.259 χ^2/NDF:29.4/32

Out: 125.082+/-253.978 χ^2/NDF:40.2/35

All: 68.383+/-178.979 χ^2/NDF: 69.8/68

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1124.857+/-0.211 χ^2/NDF:4958.4/17

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1126.680+/-0.213 χ^2/NDF:5936.1/16

Left: 1125.761+/-0.150 χ^2/NDF: 10931.5/34

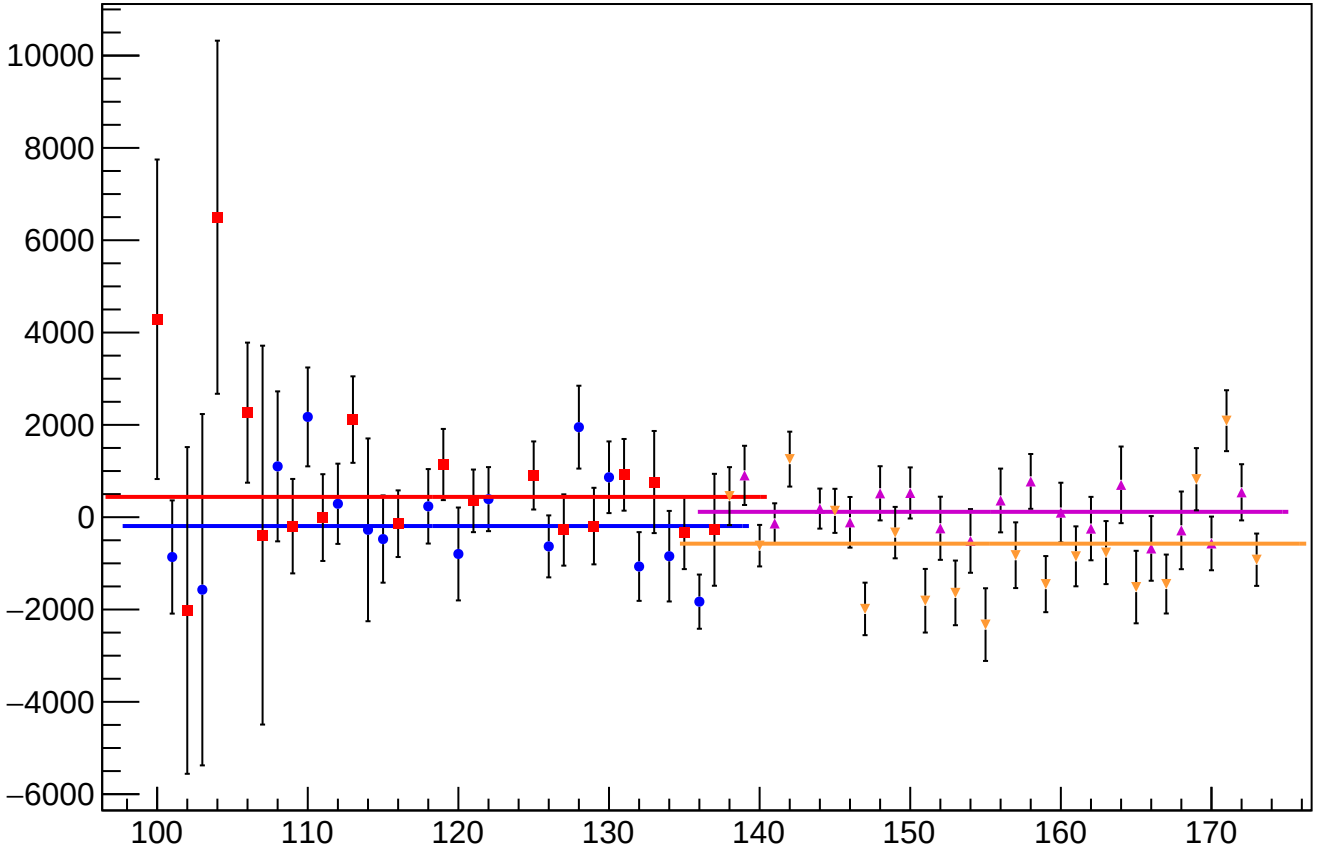
Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1158.201+/-0.178 χ^2/NDF:395474.7/32

Out: 1168.269+/-0.180 χ^2/NDF:701993.0/35

All: 1163.201+/-0.127 χ^2/NDF: 1099050.0/68

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: -573.452+/-144.865 χ^2/NDF:58.0/17

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 116.001+/-146.281 χ^2/NDF:9.7/16

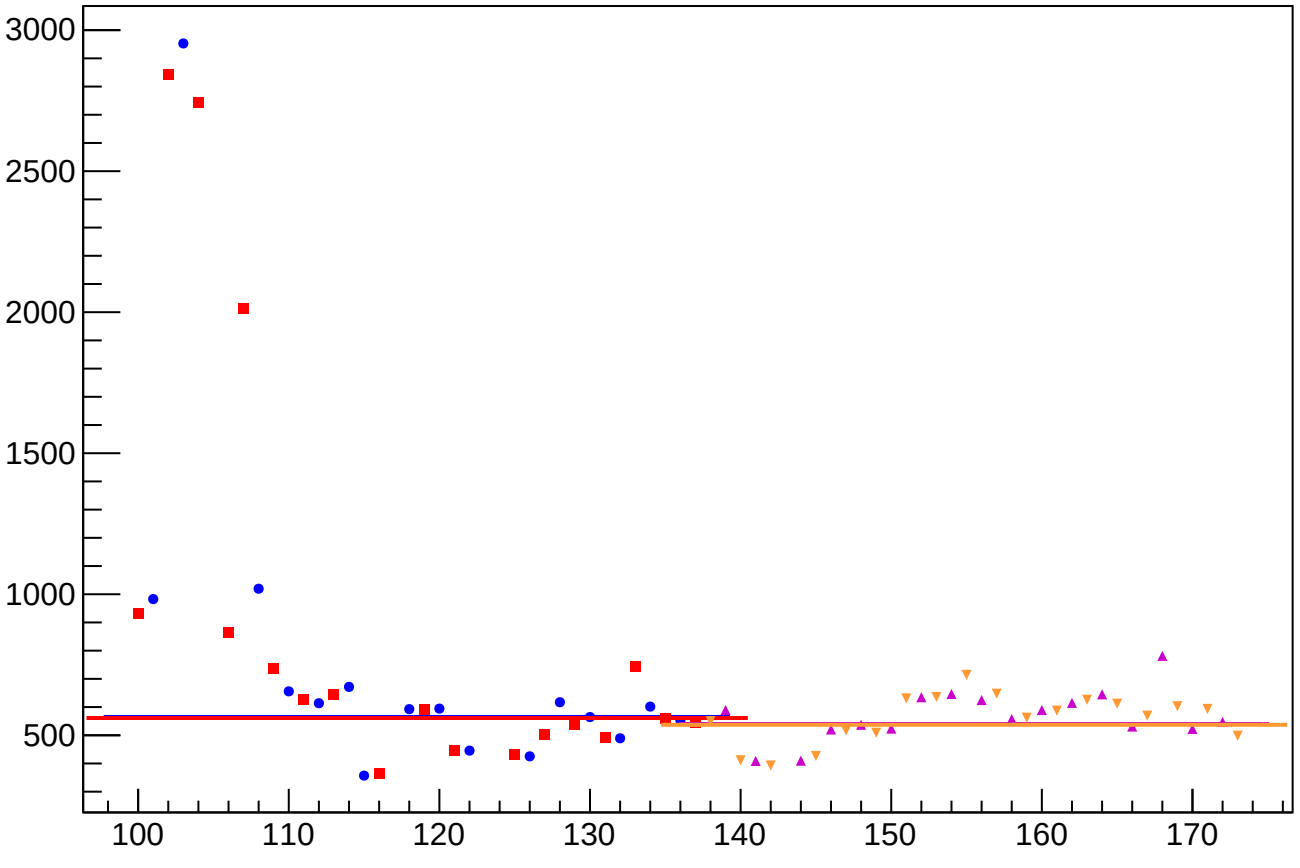
Left: -232.080+/-102.932 χ^2/NDF: 78.9/34

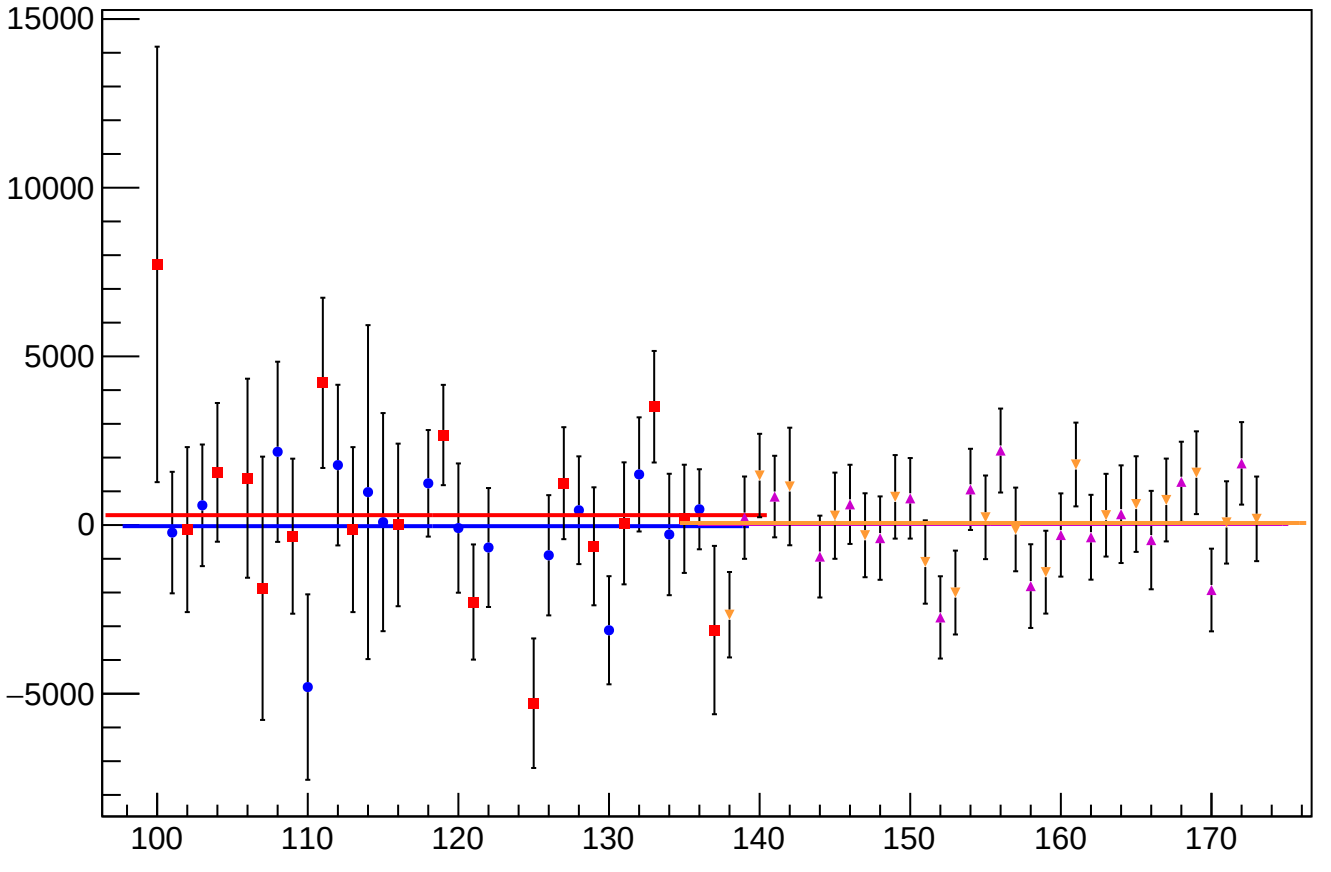
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 23.346+/-122.275 χ^2/NDF:36.3/32

Out: -279.538+/-122.054 χ^2/NDF:86.8/35

All: -128.369+/-86.383 χ^2/NDF: 126.2/68


asym_usl_atl1_dd_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
Right In: 564.871+/-0.158 χ²/NDF: 1480375.5/15
Left Out: 537.089+/-0.102 χ²/NDF:731541.7/17
Right Out: 561.273+/-0.160 χ²/NDF: 2273371.7/17
Left In: 539.811+/-0.103 χ²/NDF:729443.0/16
Left: 538.437+/-0.073 χ²/NDF: 1461334.4/34
Right: 563.103+/-0.112 χ²/NDF: 3754003.6/33
In: 547.361+/-0.086 χ²/NDF:2227502.8/32
Out: 544.105+/-0.086 χ²/NDF:3021085.0/35
All: 545.730+/-0.061 χ²/NDF: 5249298.2/68



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: 61.066+/-298.394 χ^2/NDF:15.8/17

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 31.638+/-300.771 χ^2/NDF:19.2/16

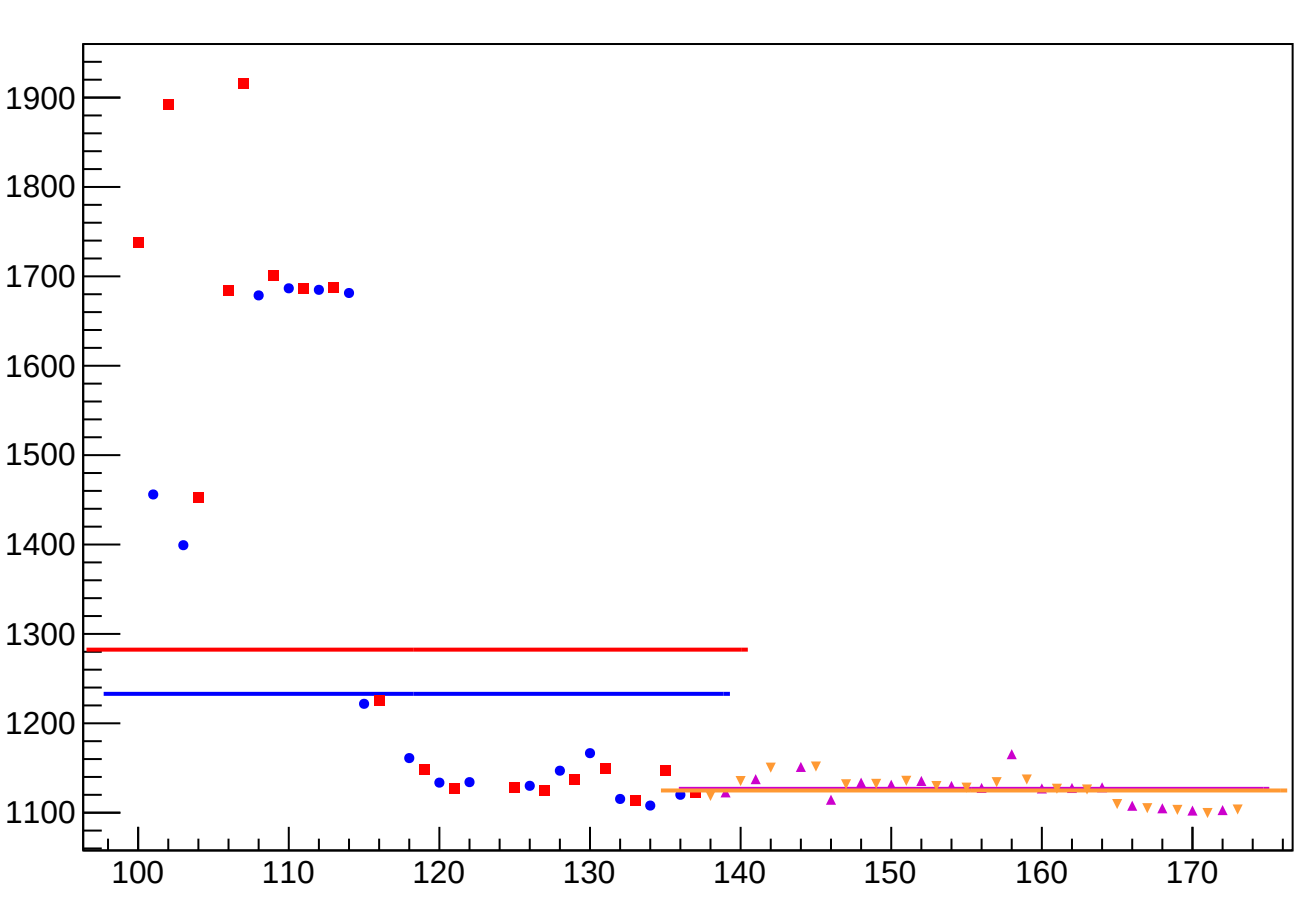
Left: 46.469+/-211.832 χ^2/NDF: 35.0/34

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: 12.450+/-252.259 χ^2/NDF:29.4/32

Out: 125.080+/-253.978 χ^2/NDF:40.2/35

All: 68.383+/-178.979 χ^2/NDF: 69.8/68



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1124.857+/-0.211 χ^2/NDF:4958.4/17

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1126.680+/-0.213 χ^2/NDF:5936.1/16

Left: 1125.761+/-0.150 χ^2/NDF: 10931.5/34

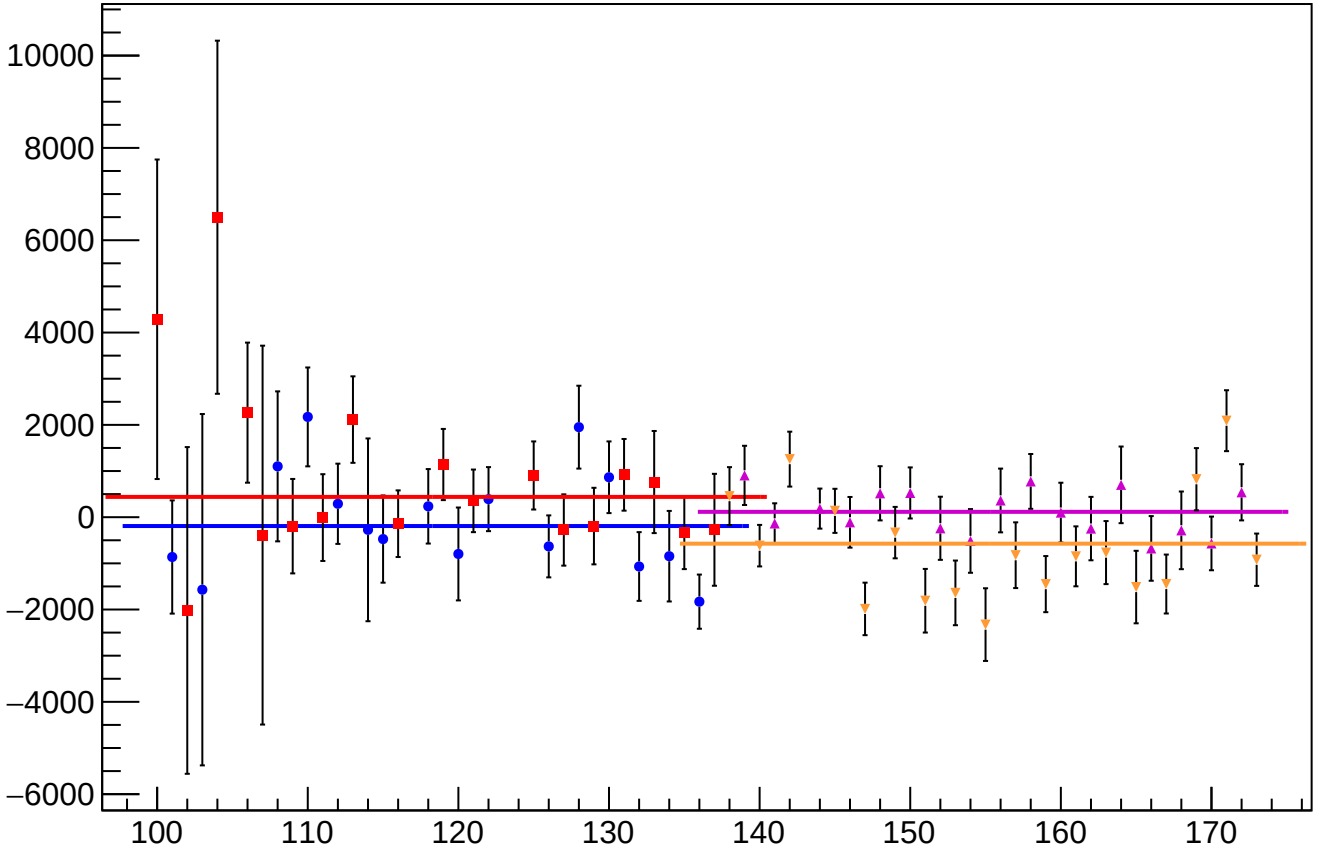
Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1158.201+/-0.178 χ^2/NDF:395474.2/32

Out: 1168.269+/-0.180 χ^2/NDF:701992.3/35

All: 1163.201+/-0.127 χ^2/NDF: 1099048.8/68

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: -573.450+/-144.864 χ^2/NDF:58.0/17

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 116.001+/-146.281 χ^2/NDF:9.7/16

Left: -232.079+/-102.932 χ^2/NDF: 78.9/34

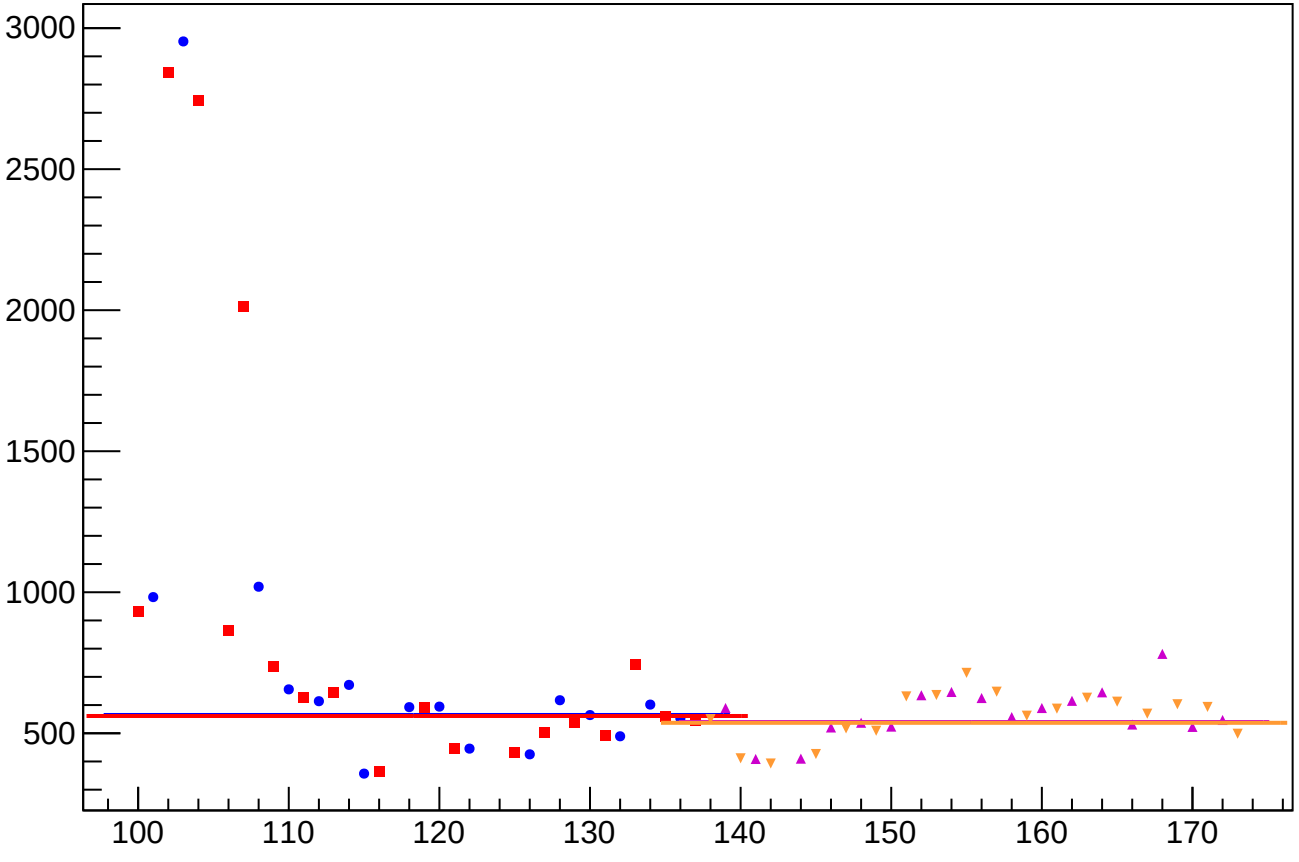
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 23.346+/-122.275 χ^2/NDF:36.3/32

Out: -279.537+/-122.054 χ^2/NDF:86.8/35

All: -128.369+/-86.383 χ^2/NDF: 126.2/68

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: 537.088+/-0.102 χ^2/NDF:731560.0/17

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 539.811+/-0.103 χ^2/NDF:729455.4/16

Left: 538.436+/-0.073 χ^2/NDF: 1461365.1/34

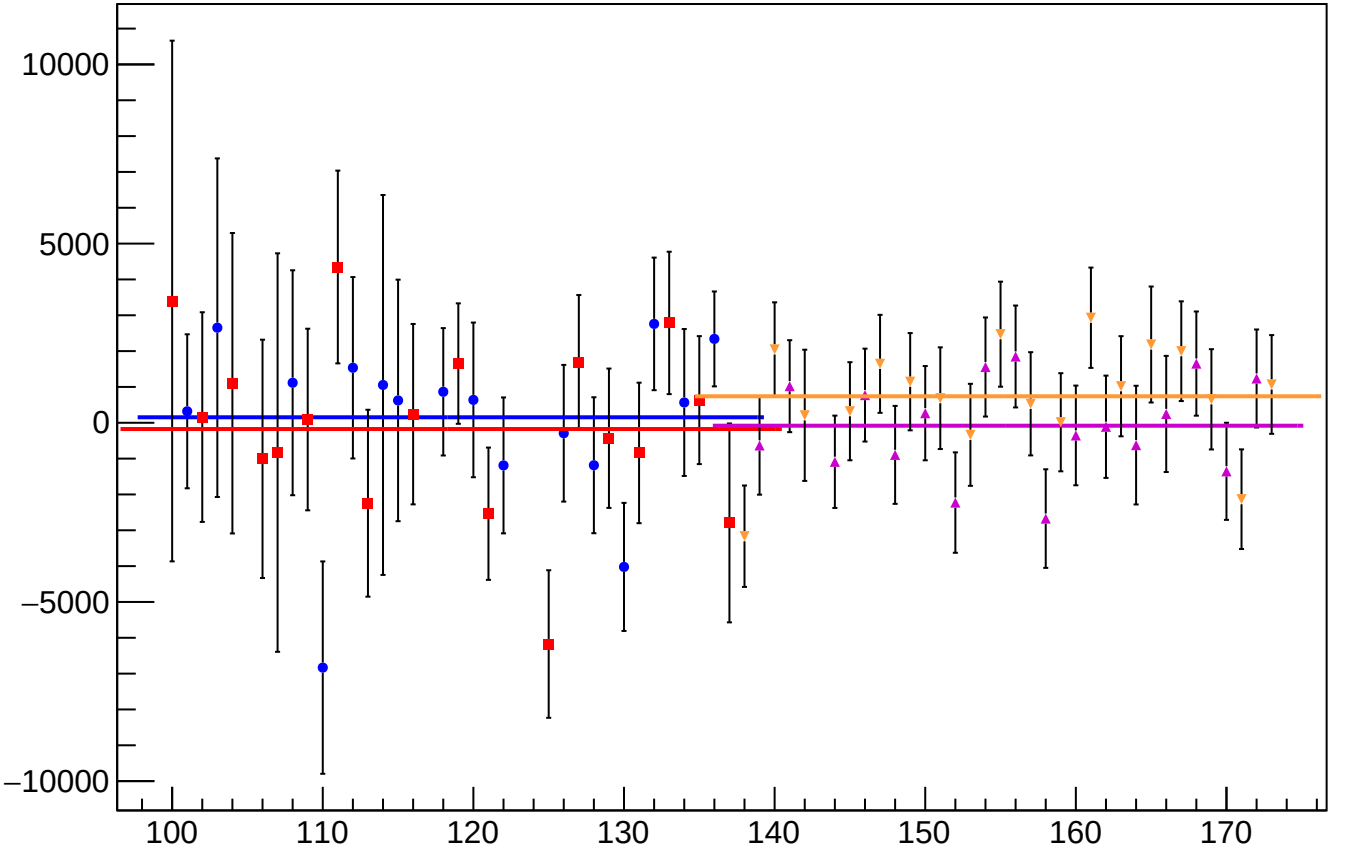
Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 547.361+/-0.086 χ^2/NDF:2227513.4/32

Out: 544.105+/-0.086 χ^2/NDF:3021104.8/35

All: 545.730+/-0.061 χ^2/NDF: 5249328.7/68

asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 739.667+/-334.509 χ^2/NDF:20.0/17

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: -81.552+/-336.925 χ^2/NDF:14.9/16

Left: 332.013+/-237.383 χ^2/NDF: 37.9/34

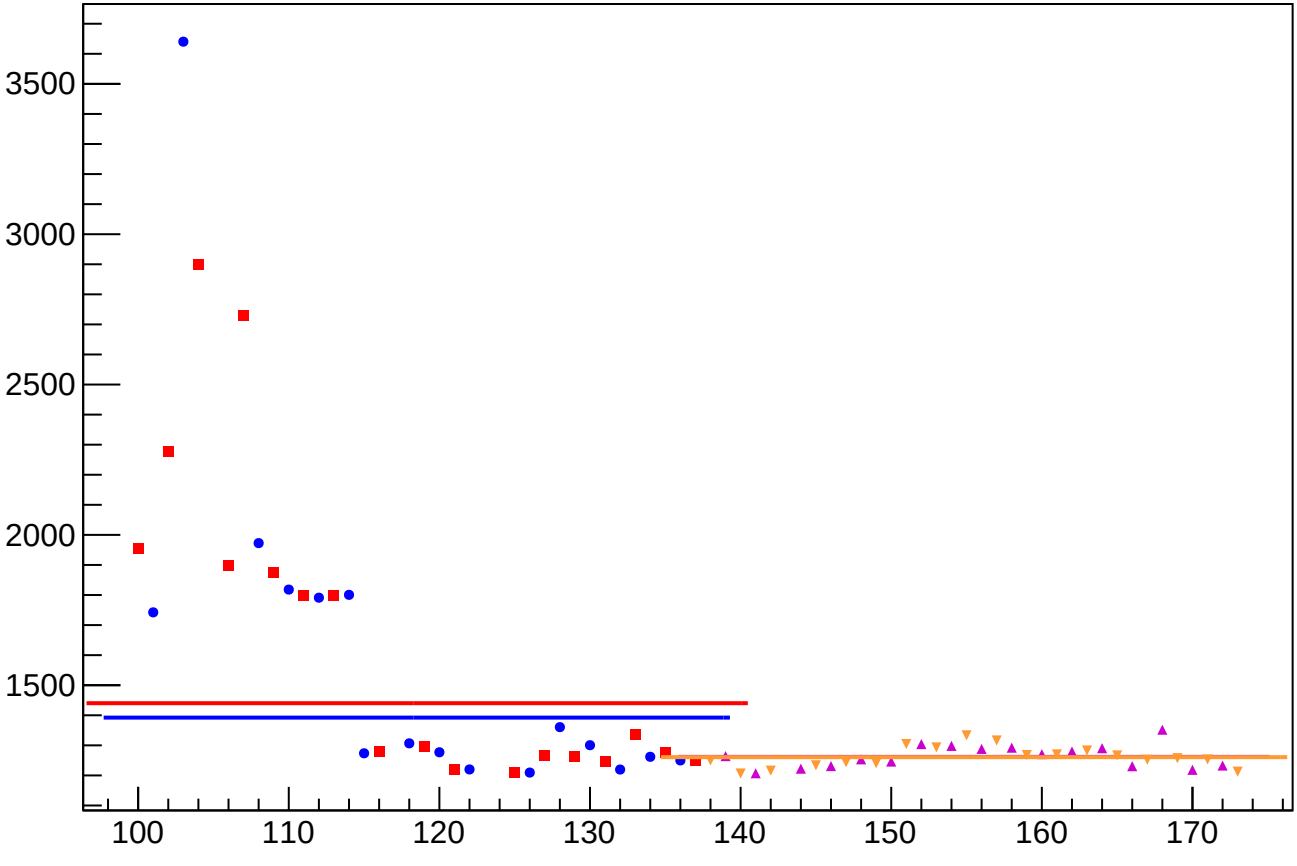
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: -14.317+/-284.657 χ^2/NDF:32.8/32

Out: 492.971+/-285.821 χ^2/NDF:41.7/35

All: 238.292+/-201.693 χ^2/NDF: 76.1/68

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1260.713+/-0.237 χ^2/NDF:20387.5/17

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1261.606+/-0.238 χ^2/NDF:24227.1/16

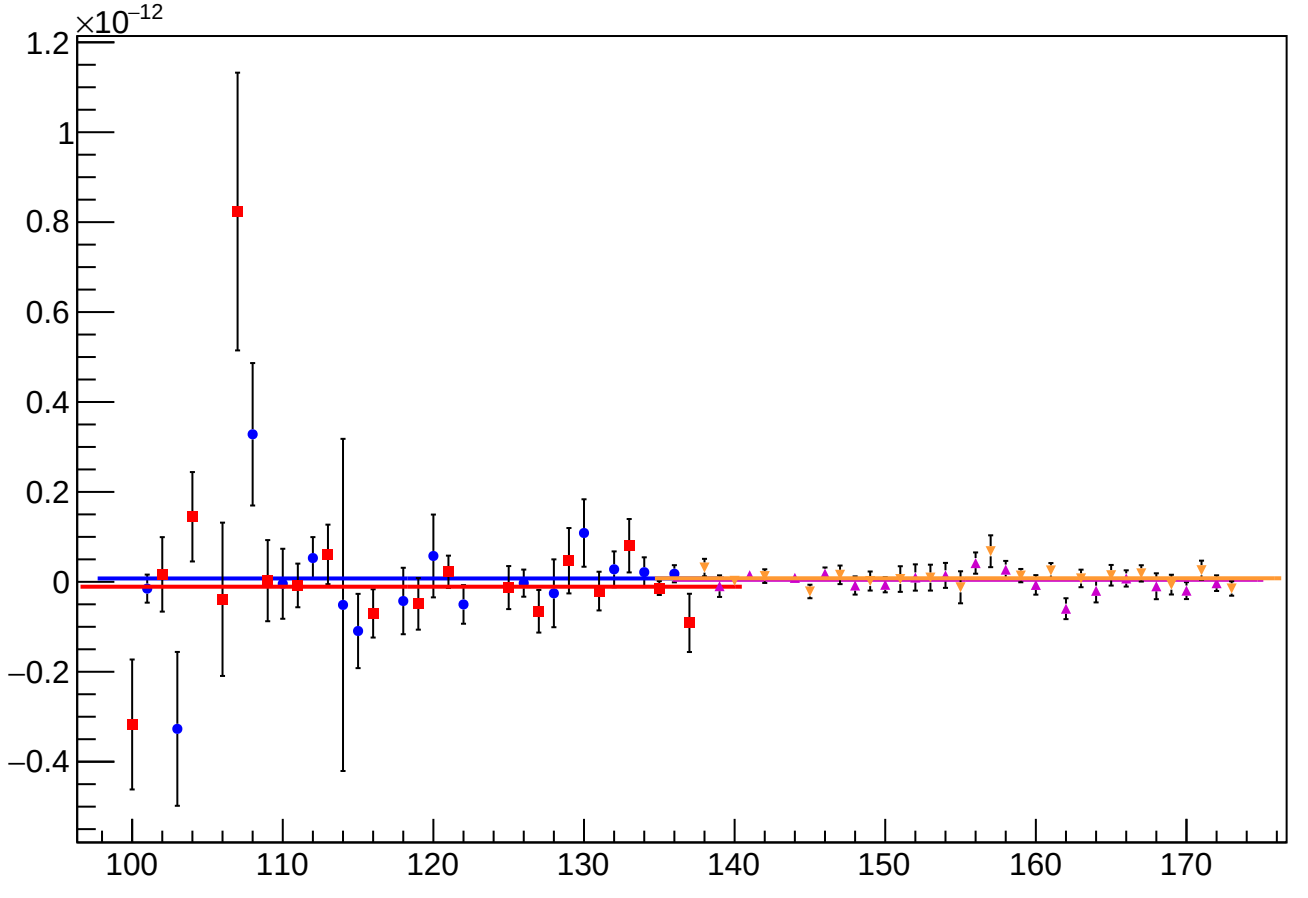
Left: 1261.156+/-0.168 χ^2/NDF: 44621.6/34

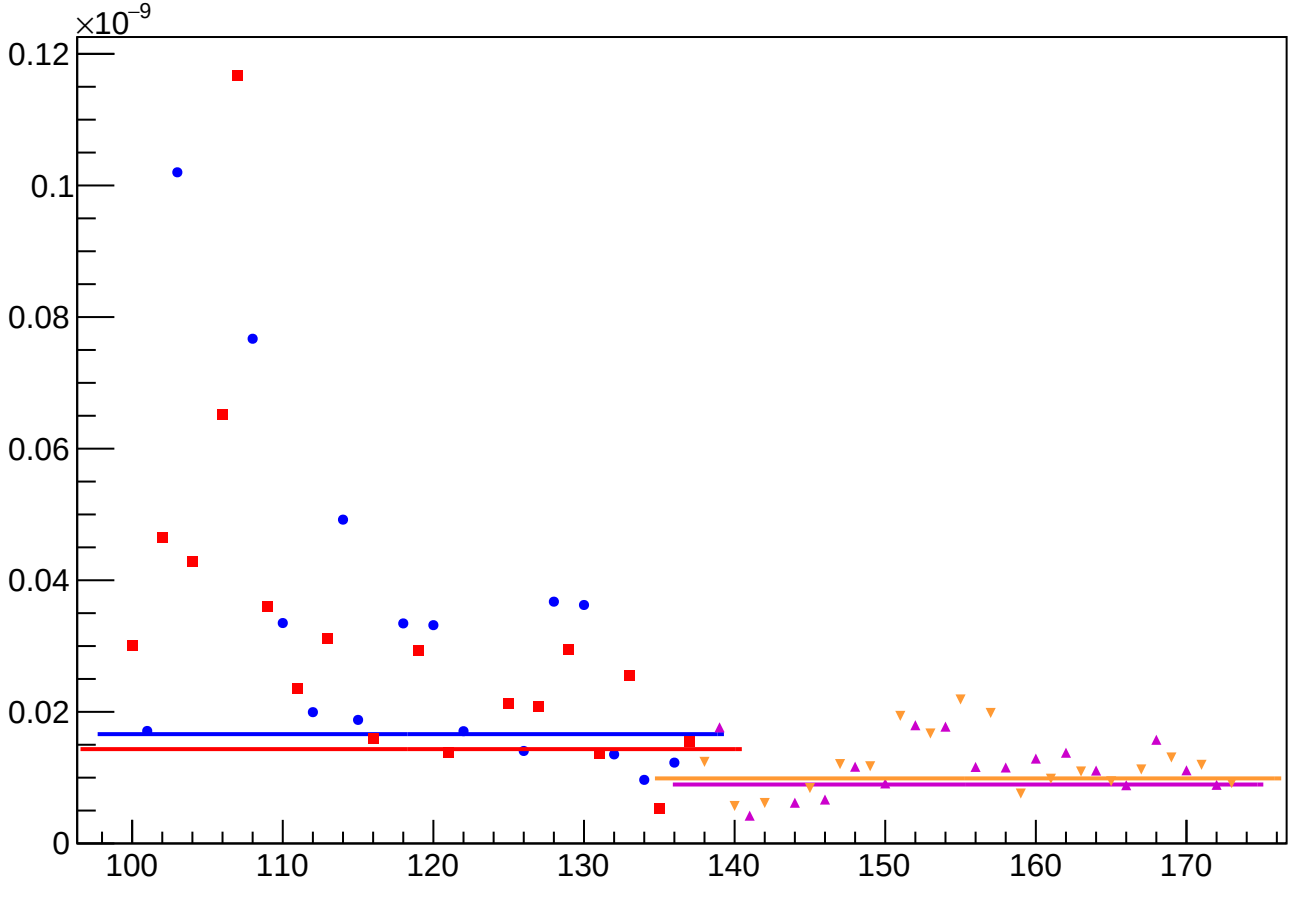
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1299.010+/-0.201 χ^2/NDF:889593.8/32

Out: 1309.165+/-0.202 χ^2/NDF:1030730.6/35

All: 1304.066+/-0.143 χ^2/NDF: 1921591.9/68


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
170
Right In: 0.000+/-0.000 χ²/NDF: 16.9/15
Left Out: 0.000+/-0.000 χ²/NDF:13.9/17
Right Out: -0.000+/-0.000 χ²/NDF: 24.0/17
Left In: 0.000+/-0.000 χ²/NDF:18.4/16
Left: 0.000+/-0.000 χ²/NDF: 32.7/34
Right: -0.000+/-0.000 χ²/NDF: 42.4/33
In: 0.000+/-0.000 χ²/NDF:35.4/32
Out: 0.000+/-0.000 χ²/NDF:40.6/35
All: 0.000+/-0.000 χ²/NDF: 76.0/68



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1346106.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1754615.9/16

Left: 0.000+/-0.000 χ^2/NDF: 3147224.8/34

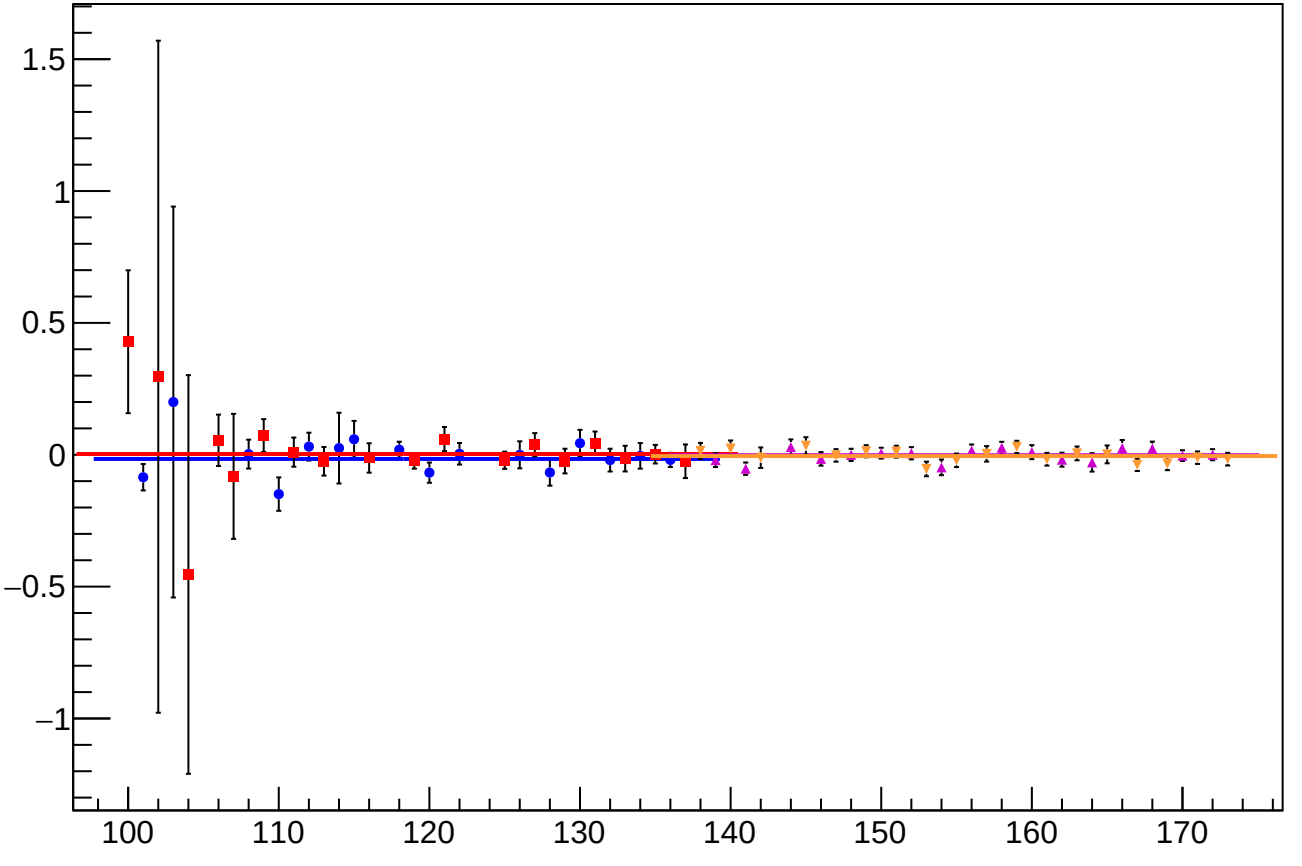
Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:4189591.1/32

Out: 0.000+/-0.000 χ^2/NDF:3905281.9/35

All: 0.000+/-0.000 χ^2/NDF: 8115258.5/68

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: -0.005+/-0.006 χ^2/NDF:13.8/17

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.002+/-0.006 χ^2/NDF:14.2/16

Left: -0.003+/-0.004 χ^2/NDF: 28.2/34

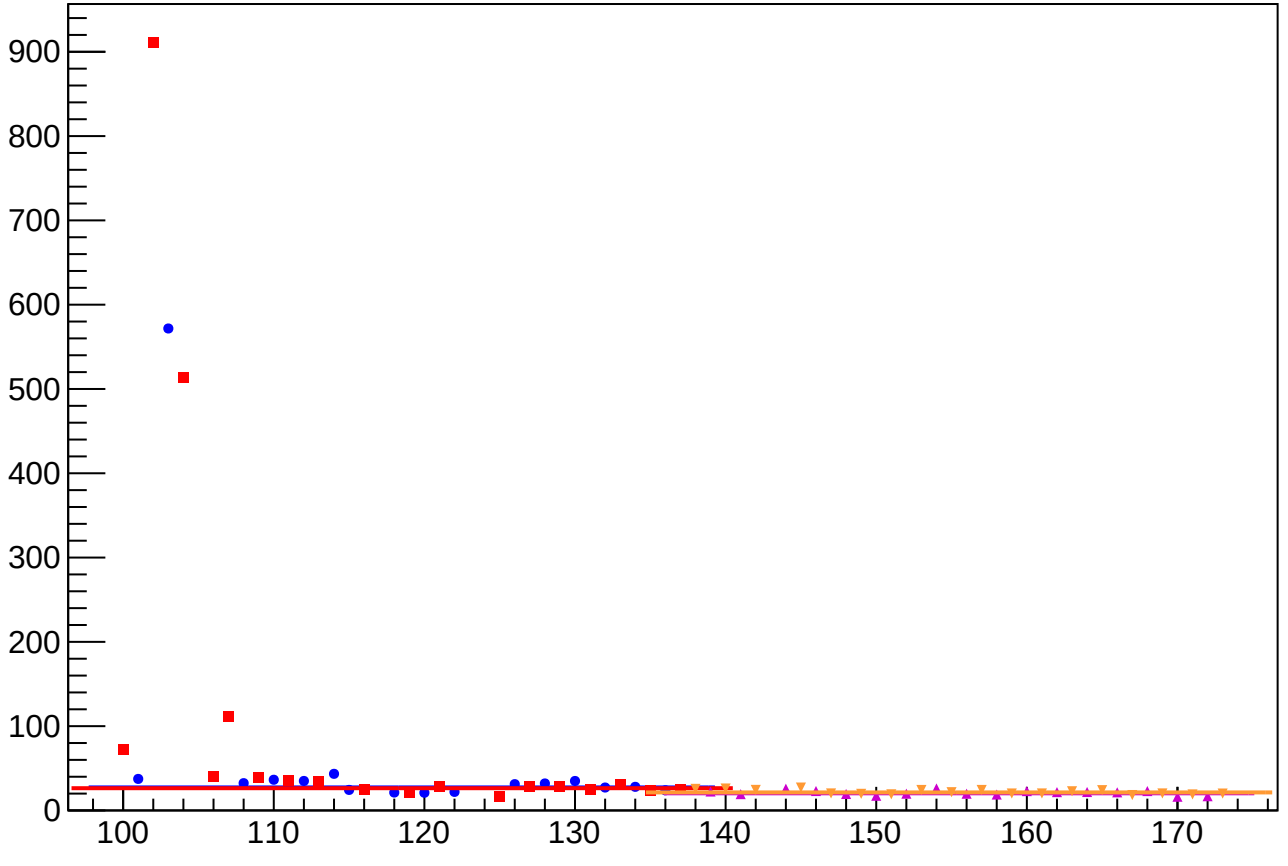
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.005+/-0.005 χ^2/NDF:30.0/32

Out: -0.003+/-0.005 χ^2/NDF:24.0/35

All: -0.004+/-0.004 χ^2/NDF: 54.1/68

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: 21.394+/-0.004 χ^2/NDF:330086.1/17

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.344+/-0.004 χ^2/NDF:421773.7/16

Left: 20.854+/-0.003 χ^2/NDF: 781533.8/34

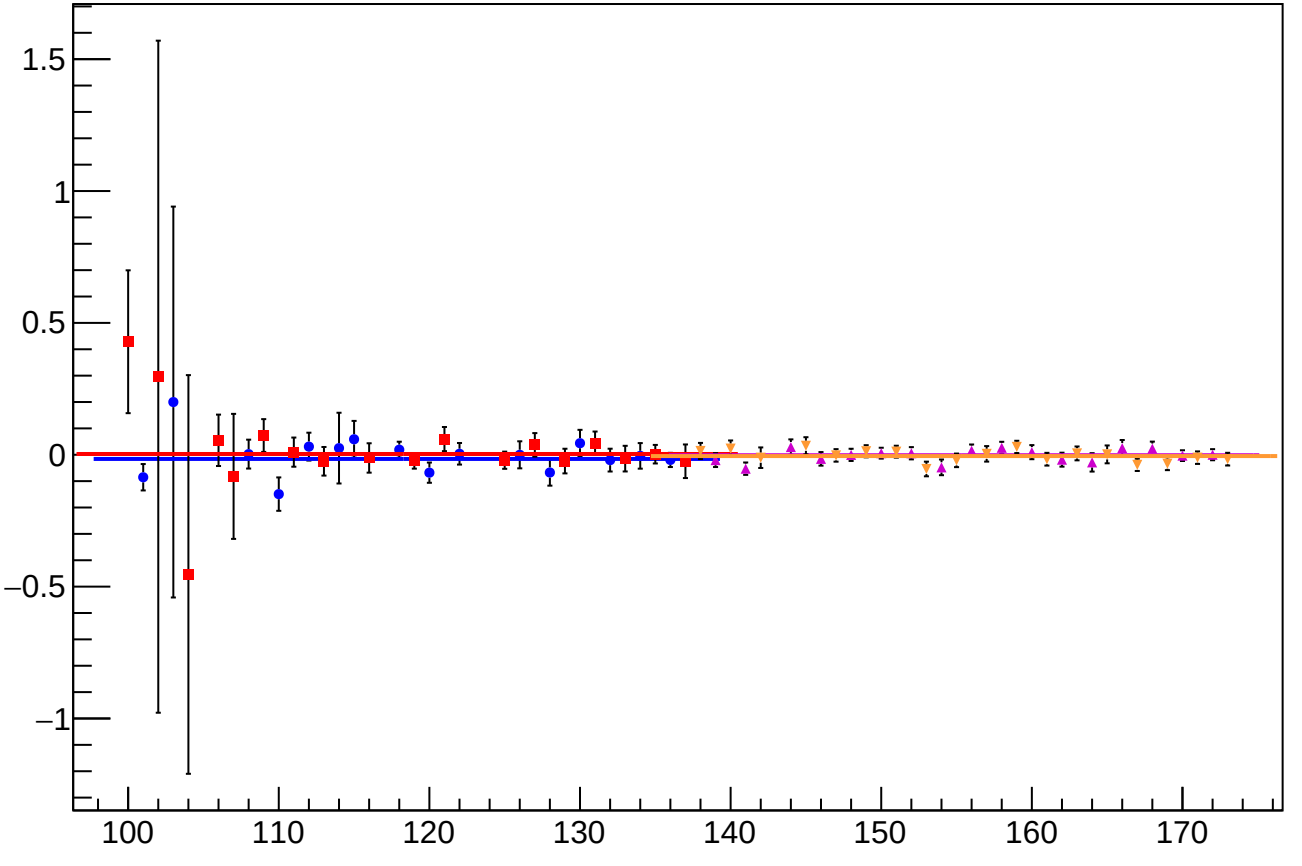
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 21.824+/-0.004 χ^2/NDF:2561215.9/32

Out: 22.441+/-0.004 χ^2/NDF:3219050.8/35

All: 22.123+/-0.003 χ^2/NDF: 5793254.6/68

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: -0.005+/-0.006 χ^2/NDF:13.8/17

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.002+/-0.006 χ^2/NDF:14.2/16

Left: -0.003+/-0.004 χ^2/NDF: 28.2/34

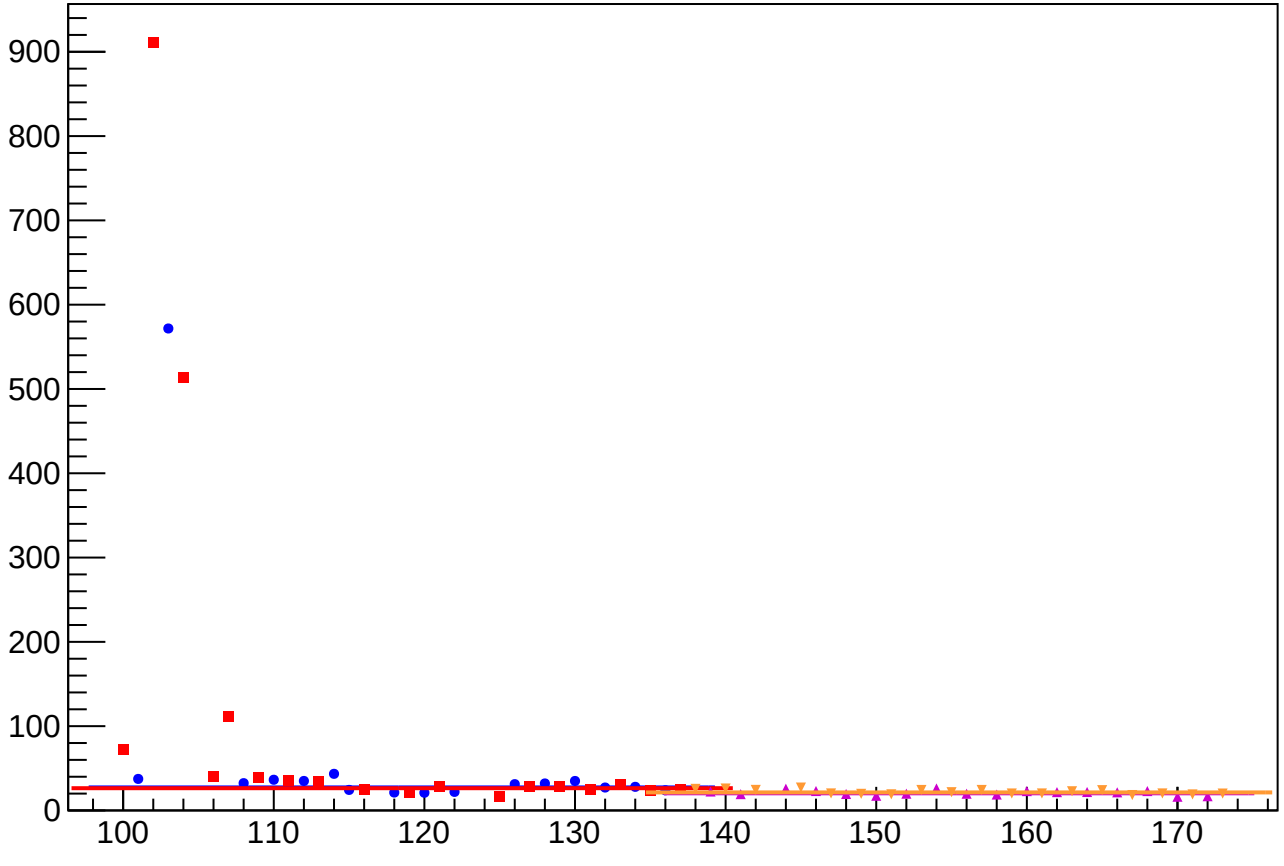
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.005+/-0.005 χ^2/NDF:30.0/32

Out: -0.003+/-0.005 χ^2/NDF:24.0/35

All: -0.004+/-0.004 χ^2/NDF: 54.1/68

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: 21.394+/-0.004 χ^2/NDF:330086.1/17

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.344+/-0.004 χ^2/NDF:421773.7/16

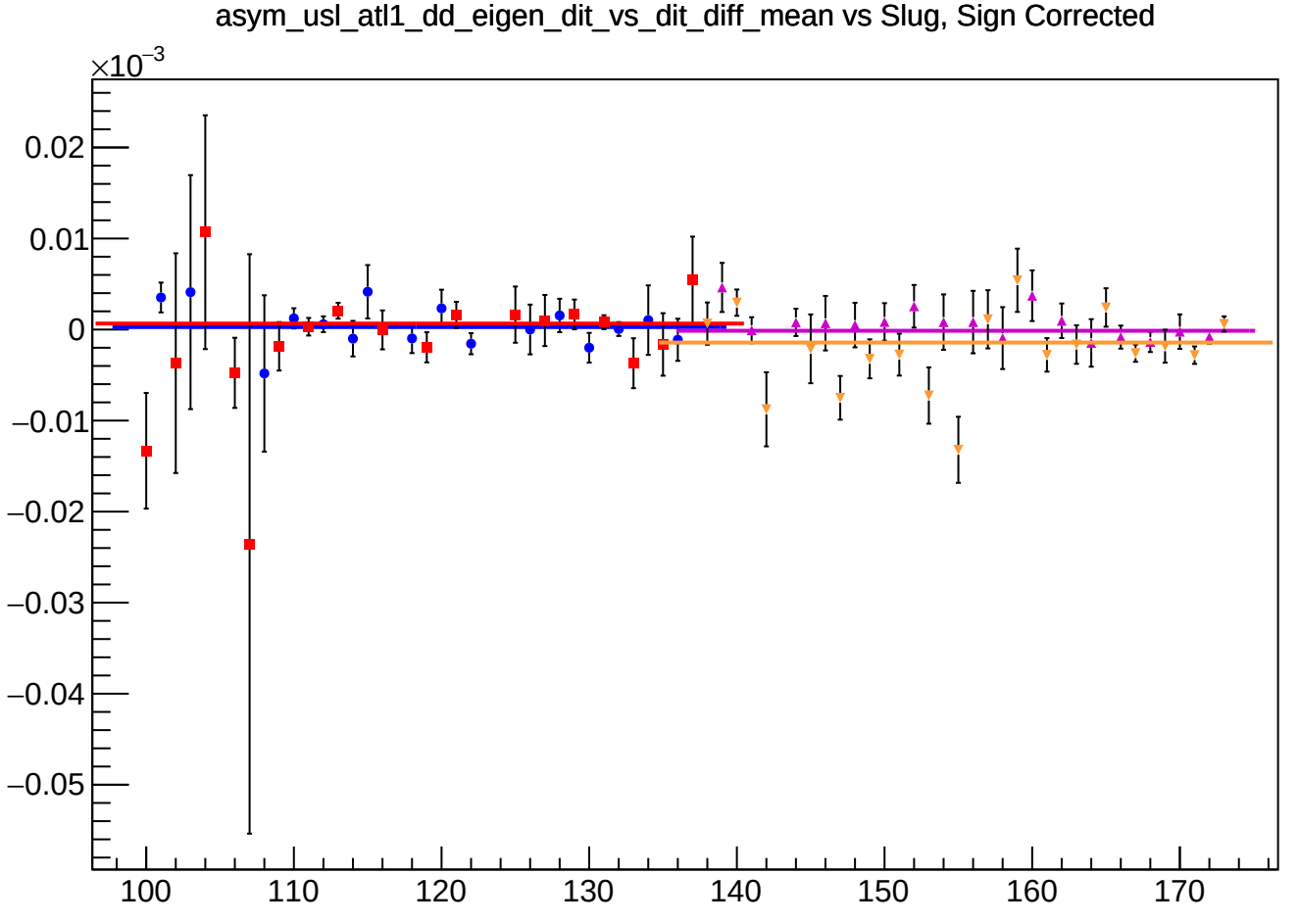
Left: 20.854+/-0.003 χ^2/NDF: 781533.8/34

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 21.824+/-0.004 χ^2/NDF:2561215.9/32

Out: 22.441+/-0.004 χ^2/NDF:3219050.8/35

All: 22.123+/-0.003 χ^2/NDF: 5793254.6/68



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/17

Left In: -0.000+/-0.000 χ^2/NDF:10.3/16

Left: -0.000+/-0.000 χ^2/NDF: 68.4/34

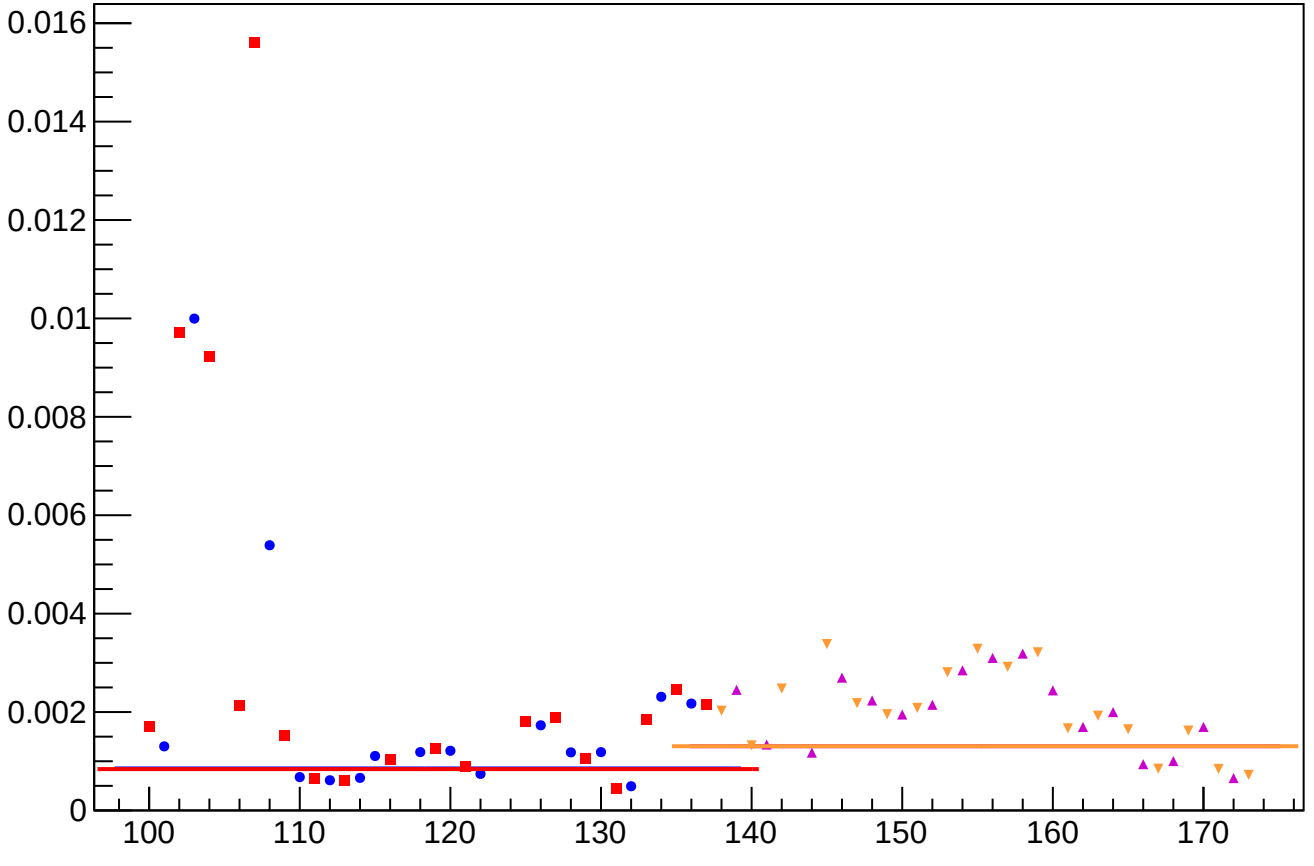
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:25.3/32

Out: -0.000+/-0.000 χ^2/NDF:85.9/35

All: -0.000+/-0.000 χ^2/NDF: 112.7/68

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: 0.001+/-0.000 χ^2/NDF:6091834.2/17

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.001+/-0.000 χ^2/NDF:5751852.6/16

Left: 0.001+/-0.000 χ^2/NDF: 11843687.7/34

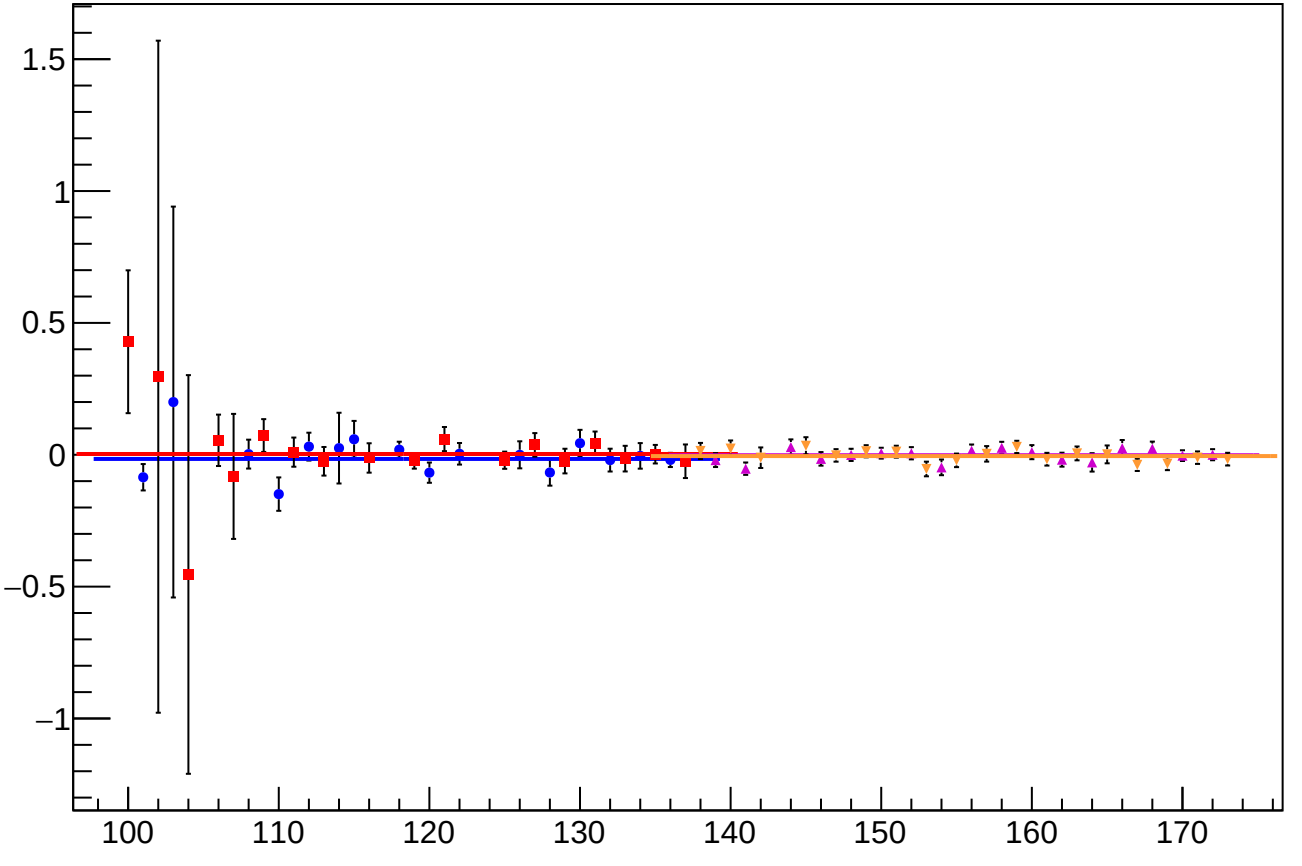
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:10964599.7/32

Out: 0.001+/-0.000 χ^2/NDF:12501776.7/35

All: 0.001+/-0.000 χ^2/NDF: 23467937.6/68

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: -0.005+/-0.006 χ^2/NDF:13.8/17

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.002+/-0.006 χ^2/NDF:14.2/16

Left: -0.003+/-0.004 χ^2/NDF: 28.2/34

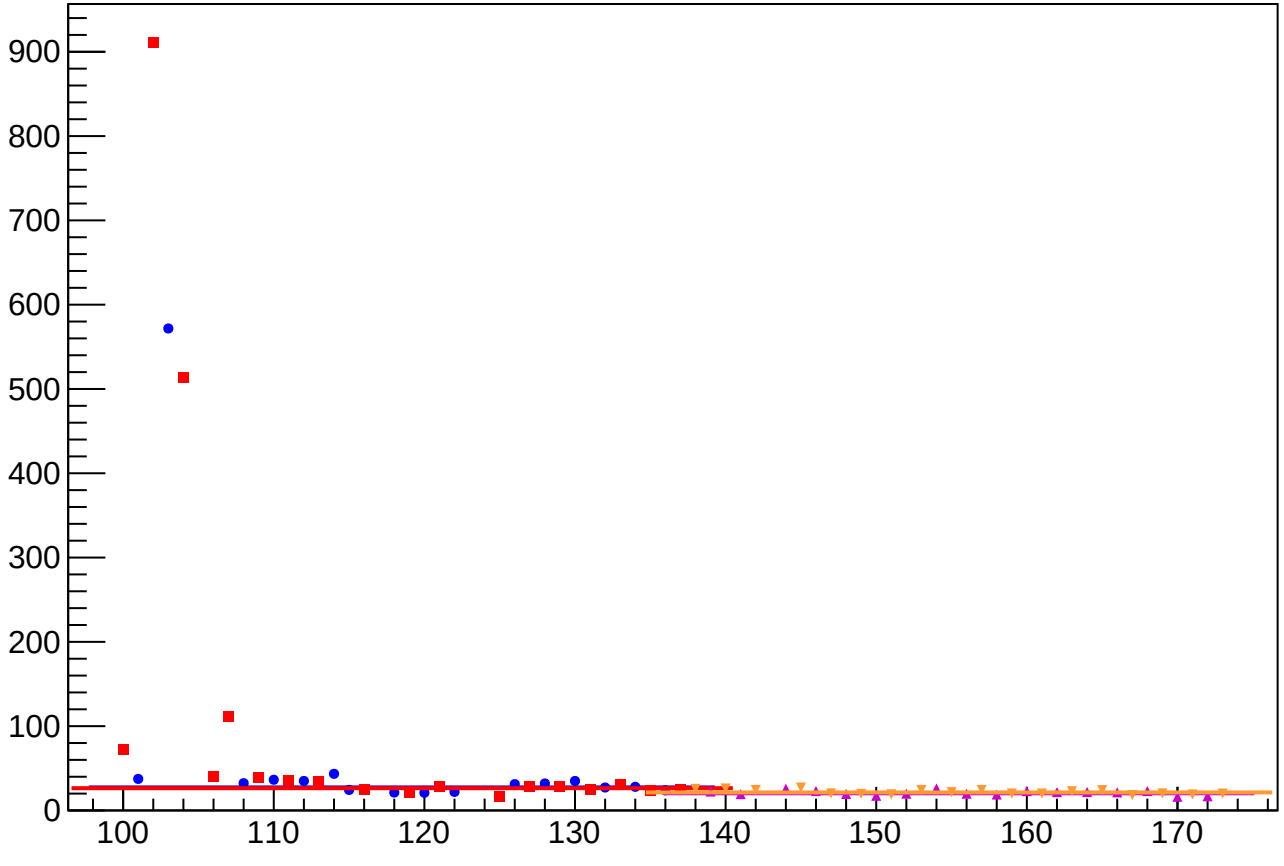
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.005+/-0.005 χ^2/NDF:30.0/32

Out: -0.003+/-0.005 χ^2/NDF:24.0/35

All: -0.004+/-0.004 χ^2/NDF: 54.1/68

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: 21.394+/-0.004 χ^2/NDF:330056.5/17

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.344+/-0.004 χ^2/NDF:421796.5/16

Left: 20.854+/-0.003 χ^2/NDF: 781525.7/34

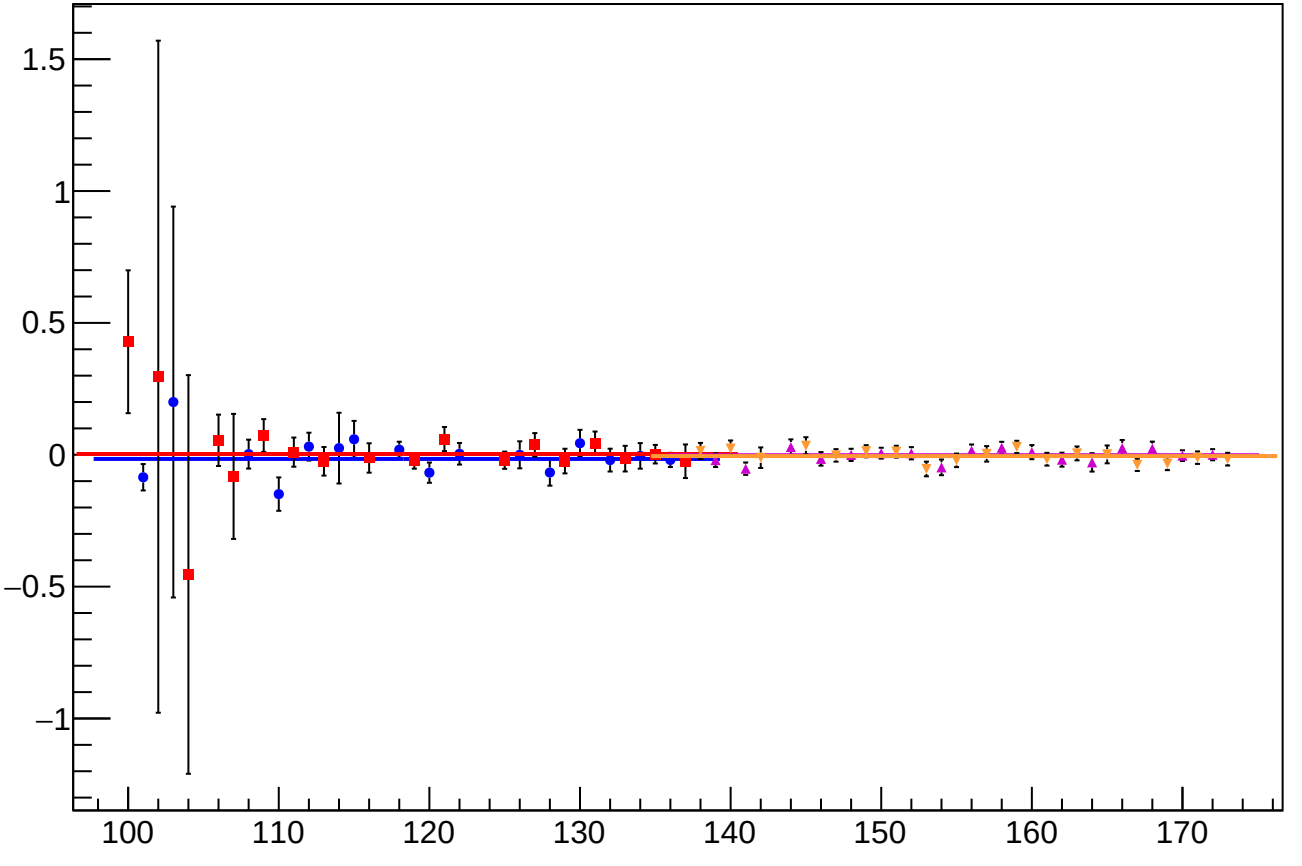
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 21.824+/-0.004 χ^2/NDF:2561237.9/32

Out: 22.441+/-0.004 χ^2/NDF:3219044.3/35

All: 22.123+/-0.003 χ^2/NDF: 5793269.4/68

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: -0.005+/-0.006 χ^2/NDF:13.8/17

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.002+/-0.006 χ^2/NDF:14.2/16

Left: -0.003+/-0.004 χ^2/NDF: 28.2/34

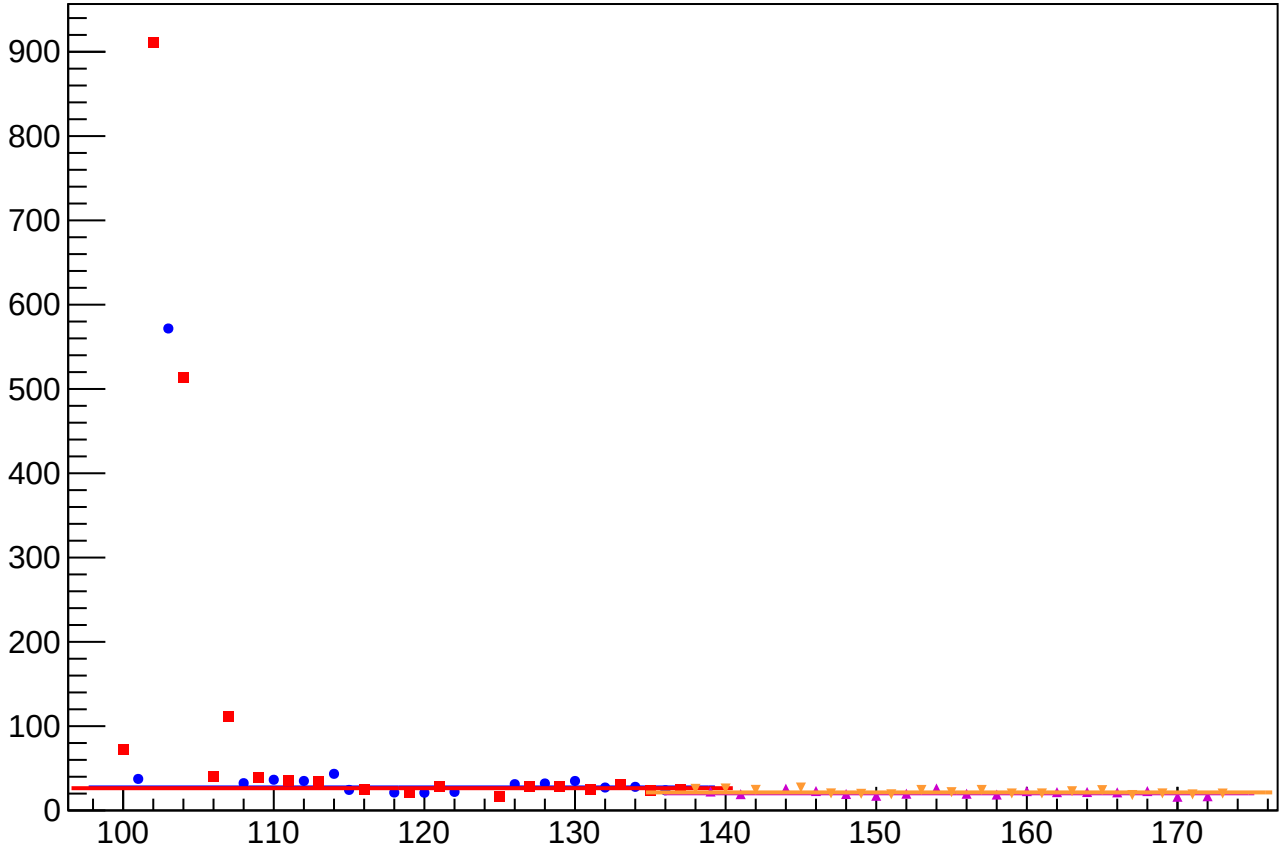
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.005+/-0.005 χ^2/NDF:30.0/32

Out: -0.003+/-0.005 χ^2/NDF:24.0/35

All: -0.004+/-0.004 χ^2/NDF: 54.1/68

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: 21.394+/-0.004 χ^2/NDF:330056.5/17

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.344+/-0.004 χ^2/NDF:421796.5/16

Left: 20.854+/-0.003 χ^2/NDF: 781525.7/34

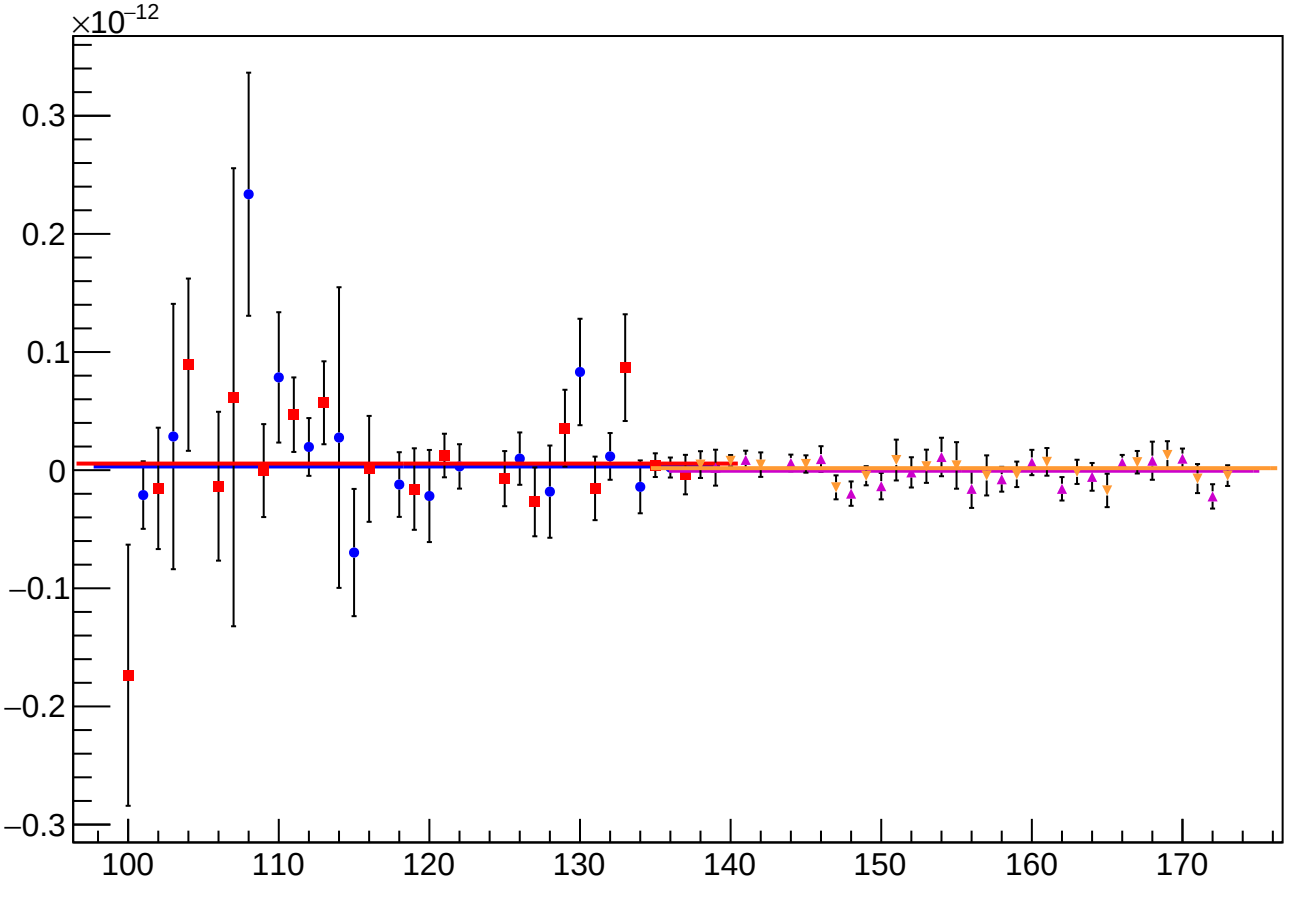
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 21.824+/-0.004 χ^2/NDF:2561237.9/32

Out: 22.441+/-0.004 χ^2/NDF:3219044.3/35

All: 22.123+/-0.003 χ^2/NDF: 5793269.4/68

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:10.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:20.1/16

Left: 0.000+/-0.000 χ^2/NDF: 30.5/34

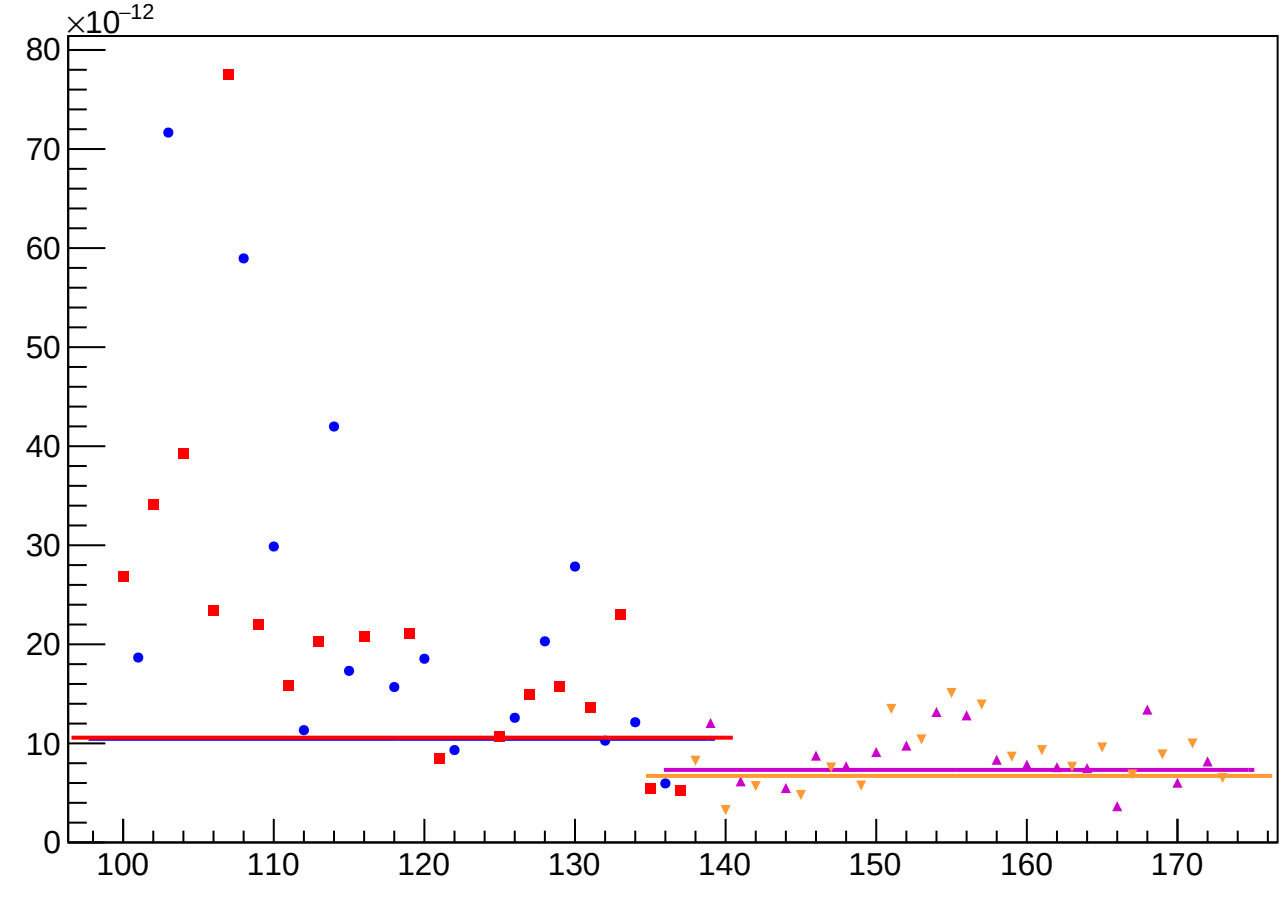
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: 0.000+/-0.000 χ^2/NDF:35.5/32

Out: 0.000+/-0.000 χ^2/NDF:25.6/35

All: 0.000+/-0.000 χ^2/NDF: 61.6/68

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:2861903.9/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2016381.5/16

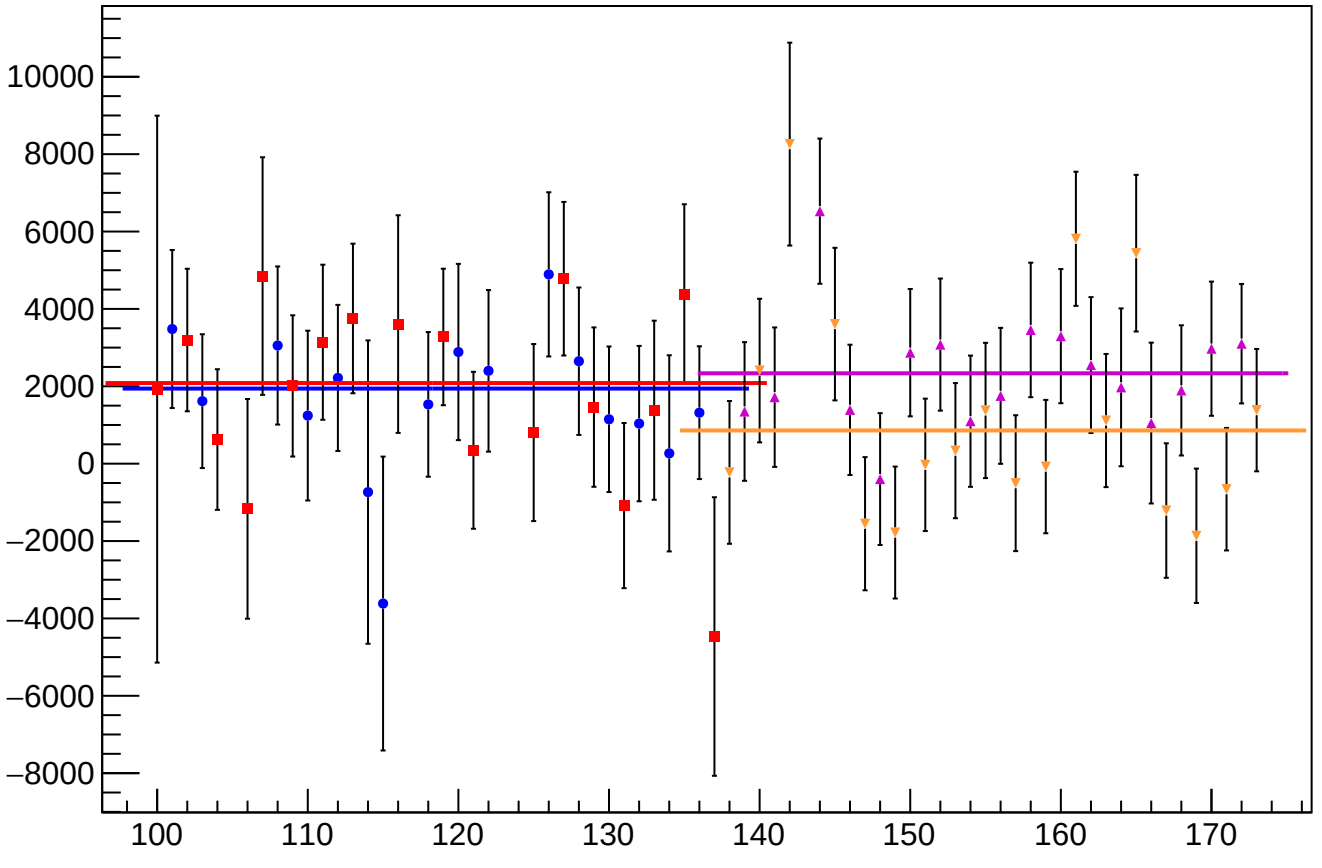
Left: 0.000+/-0.000 χ^2/NDF: 4942217.1/34

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:5316991.1/32

Out: 0.000+/-0.000 χ^2/NDF:6334202.8/35

All: 0.000+/-0.000 χ^2/NDF: 11724244.1/68



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 858.631+/-418.816 χ^2/NDF:34.9/17

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 2336.084+/-424.510 χ^2/NDF:10.8/16

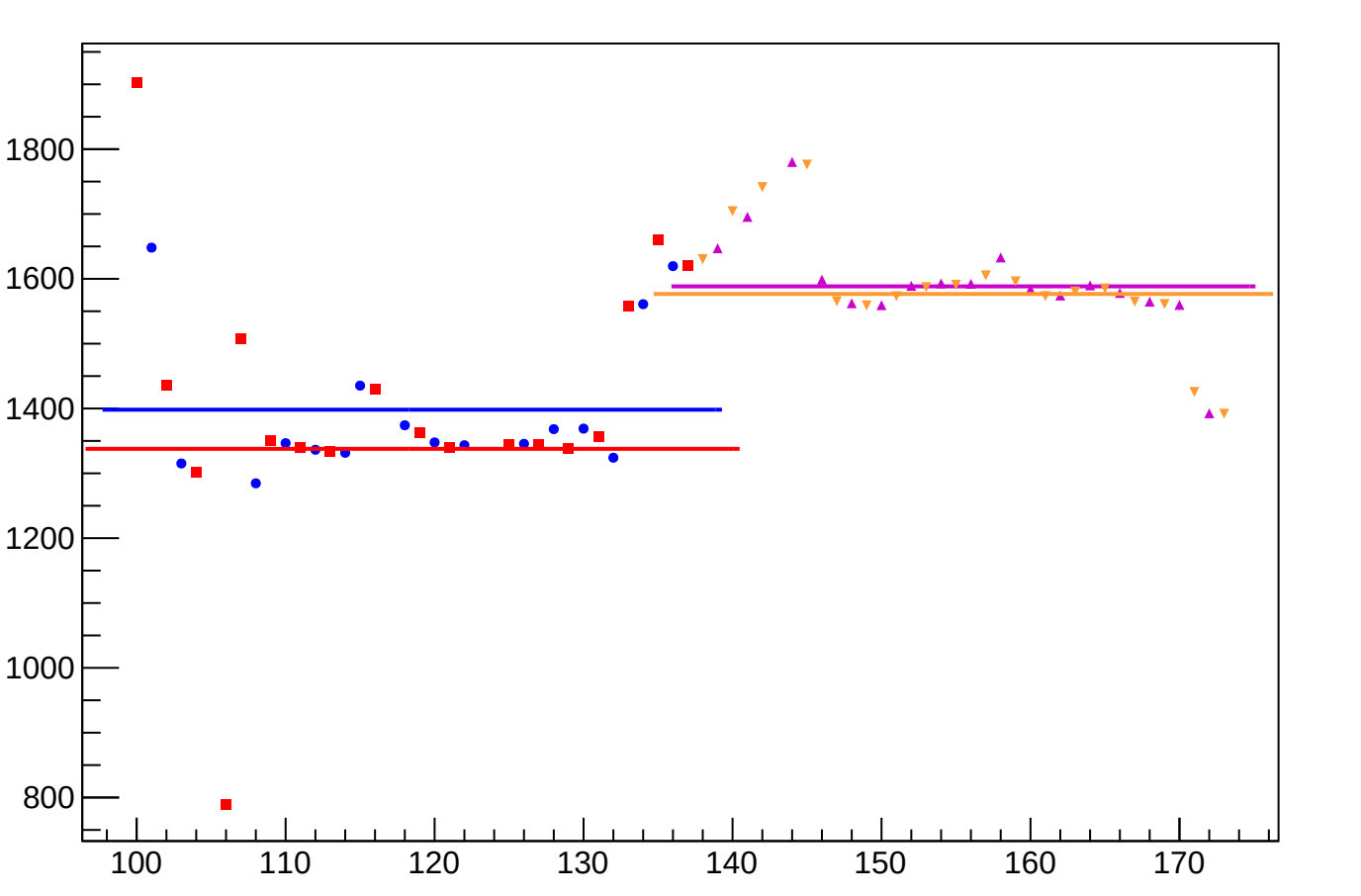
Left: 1587.383+/-298.141 χ^2/NDF: 51.8/34

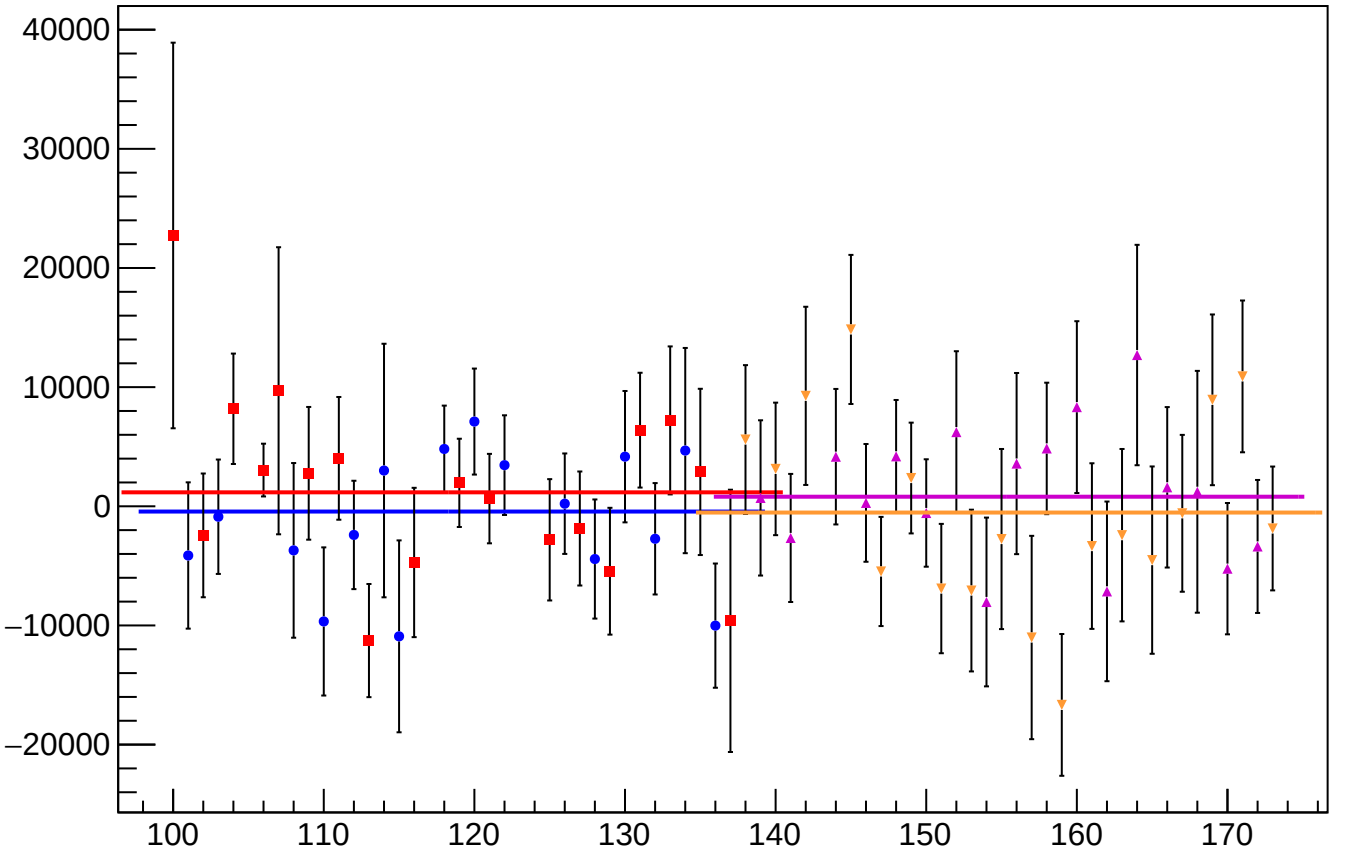
Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2178.862+/-329.393 χ^2/NDF:18.1/32

Out: 1341.214+/-326.074 χ^2/NDF:52.7/35

All: 1755.797+/-231.734 χ^2/NDF: 74.1/68


reg_asym_usl_atl2_avg_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
170
Right In: 1398.161+/-0.369 χ²/NDF: 93923.6/15
Left Out: 1576.639+/-0.296 χ²/NDF:86630.2/17
Right Out: 1337.819+/-0.356 χ²/NDF: 317763.3/17
Left In: 1588.367+/-0.300 χ²/NDF:65900.9/16
Left: 1582.424+/-0.211 χ²/NDF: 153304.7/34
Right: 1366.881+/-0.256 χ²/NDF: 425531.4/33
In: 1512.680+/-0.233 χ²/NDF:319596.7/32
Out: 1478.934+/-0.228 χ²/NDF:670447.2/35
All: 1495.421+/-0.163 χ²/NDF: 1000779.9/68



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -524.906+/-1457.561 χ^2/NDF:27.5/17

Right Out: 1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: 804.083+/-1472.691 χ^2/NDF:9.9/16

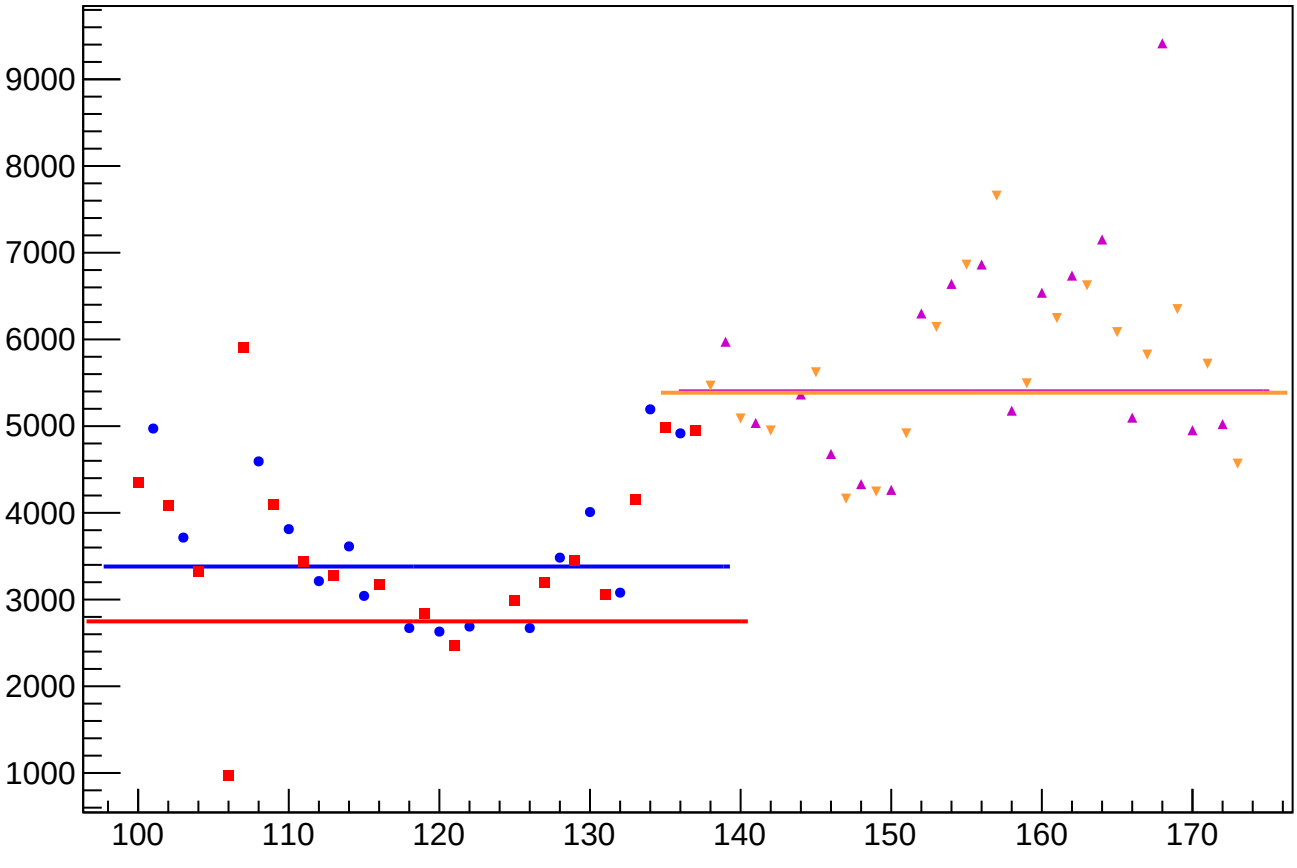
Left: 132.727+/-1035.959 χ^2/NDF: 37.8/34

Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: 102.289+/-972.879 χ^2/NDF:26.2/32

Out: 541.823+/-888.037 χ^2/NDF:48.0/35

All: 342.053+/-655.884 χ^2/NDF: 74.3/68



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5385.353+/-1.031 χ^2/NDF:742045.2/17

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5401.062+/-1.041 χ^2/NDF:993807.5/16

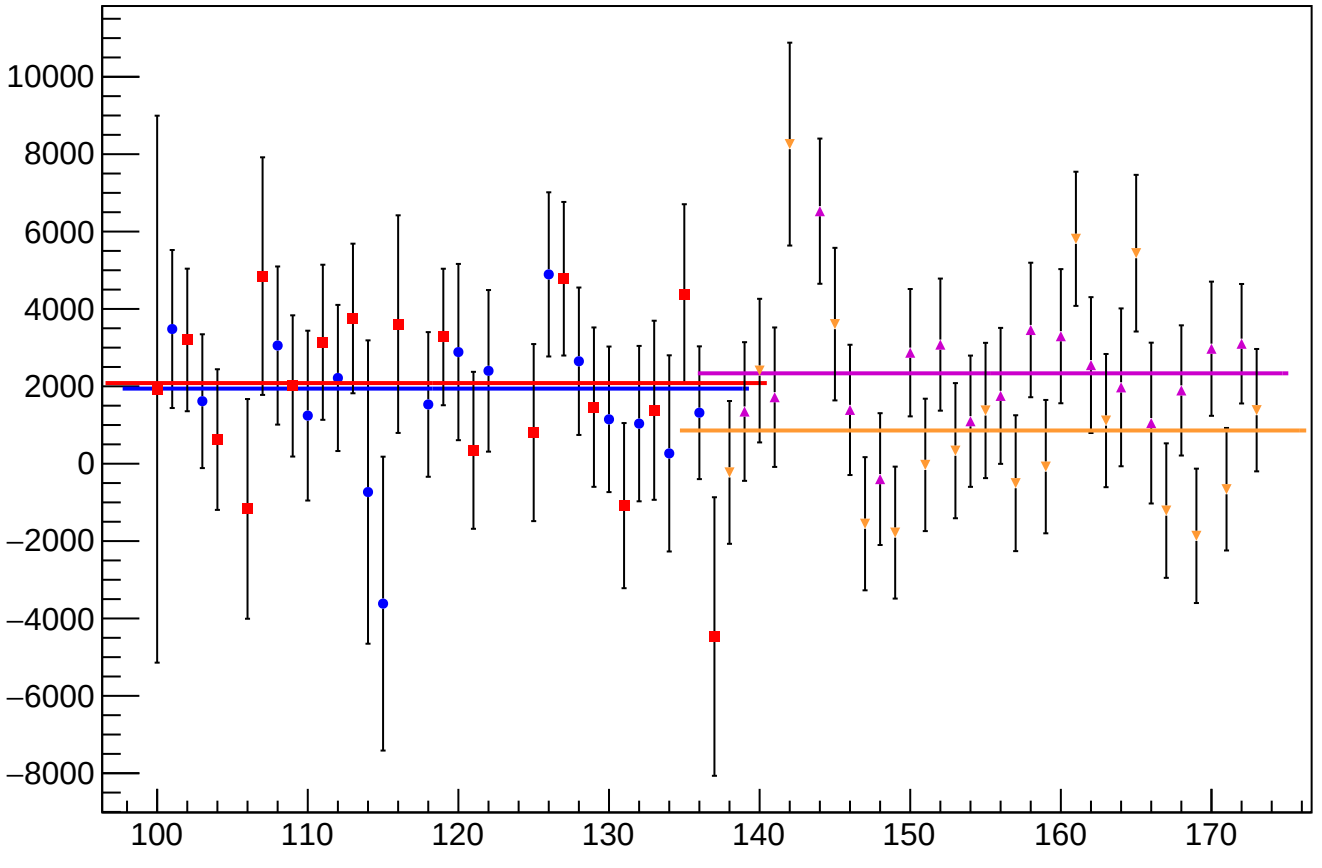
Left: 5393.126+/-0.733 χ^2/NDF: 1735967.6/34

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 4262.640+/-0.688 χ^2/NDF:3871509.0/32

Out: 3727.221+/-0.628 χ^2/NDF:7122864.7/35

All: 3970.571+/-0.464 χ^2/NDF: 11324813.5/6



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 858.659+/-418.816 χ^2/NDF:34.9/17

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2336.156+/-424.510 χ^2/NDF:10.8/16

Left: 1587.432+/-298.141 χ^2/NDF: 51.8/34

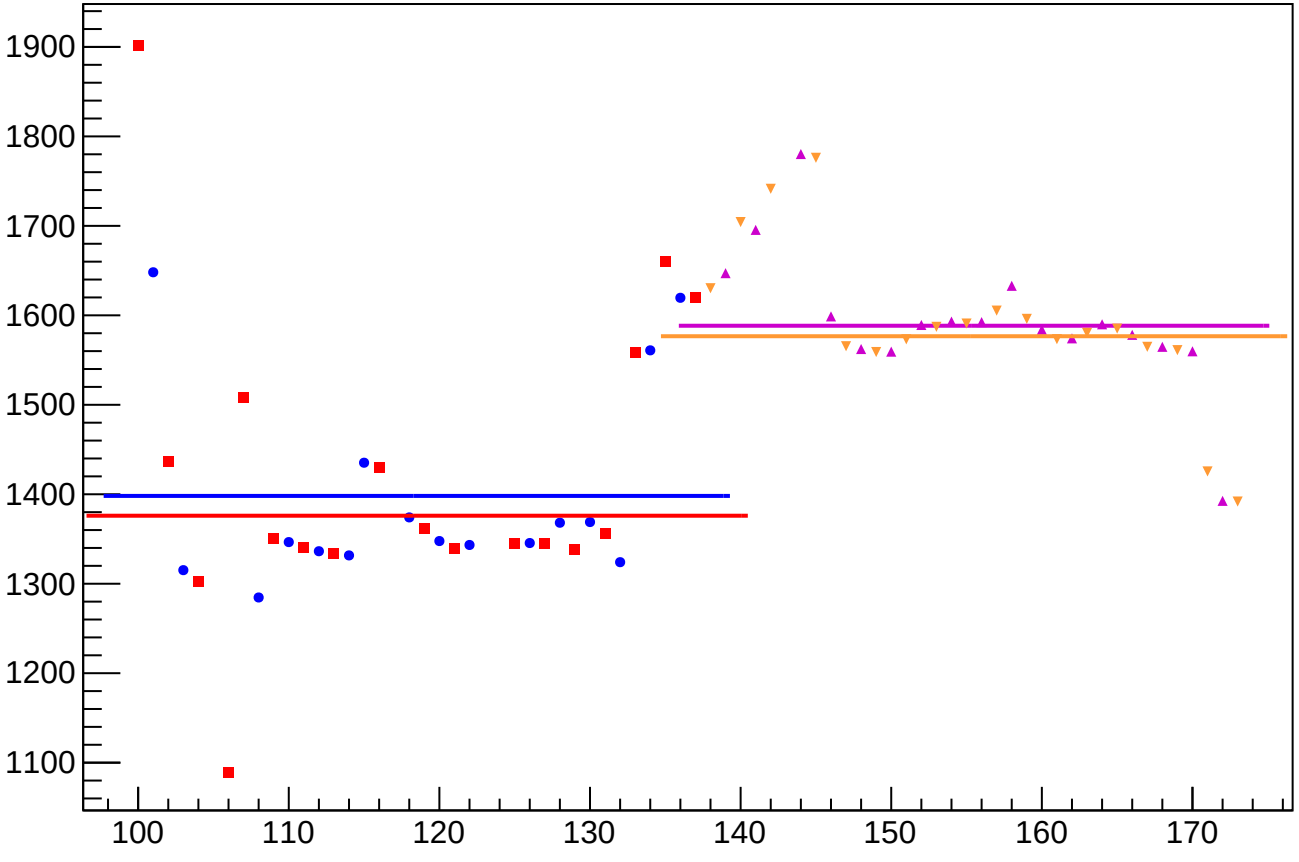
Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2178.927+/-329.393 χ^2/NDF:18.1/32

Out: 1341.312+/-326.075 χ^2/NDF:52.7/35

All: 1755.879+/-231.734 χ^2/NDF: 74.1/68

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1576.639+/-0.296 χ^2/NDF:86630.2/17

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1588.367+/-0.300 χ^2/NDF:65900.9/16

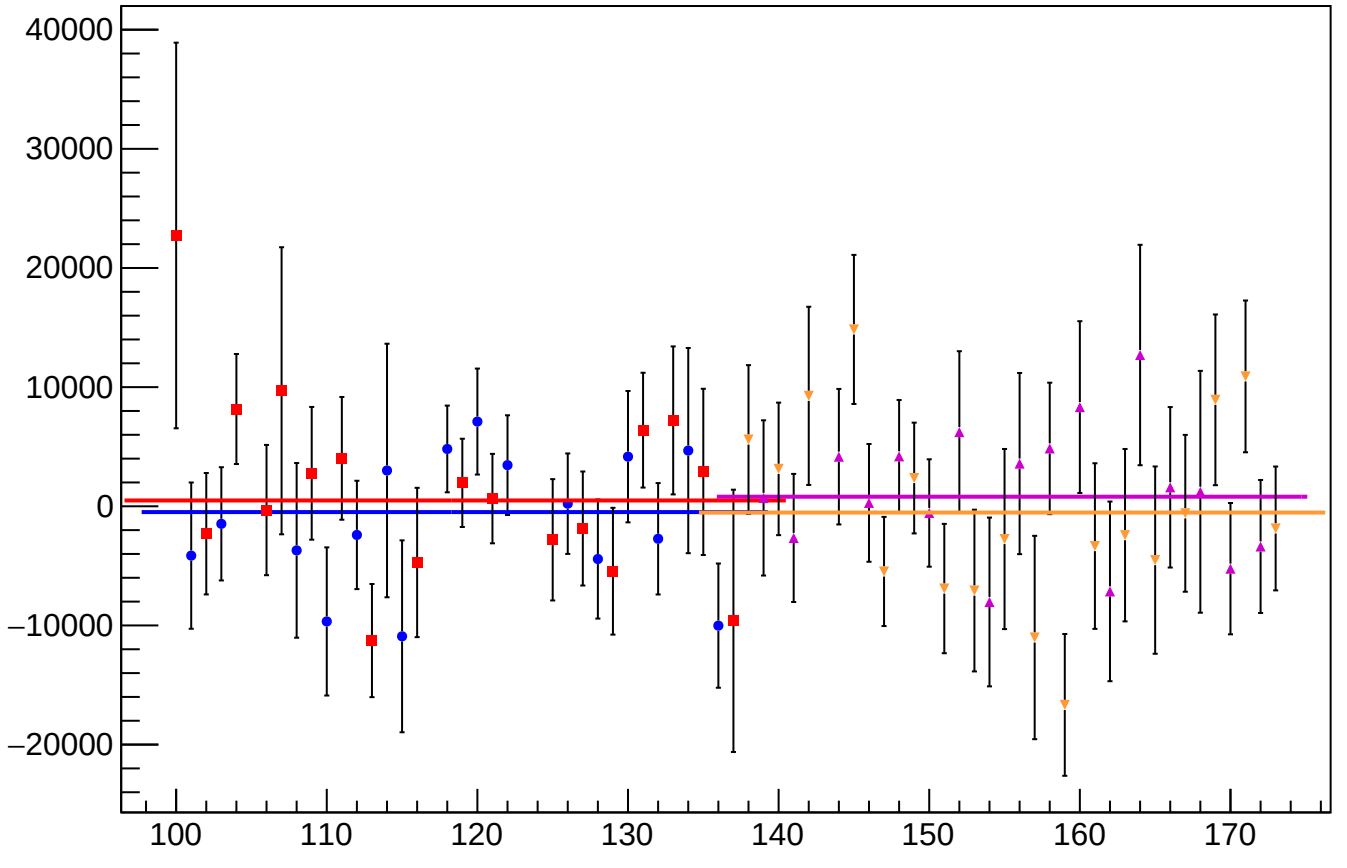
Left: 1582.424+/-0.211 χ^2/NDF: 153304.7/34

Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1512.680+/-0.233 χ^2/NDF:319596.9/32

Out: 1496.342+/-0.229 χ^2/NDF:384337.6/35

All: 1504.385+/-0.163 χ^2/NDF: 706432.5/68



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -524.922+/-1457.562 χ^2/NDF:27.5/17

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 804.145+/-1472.690 χ^2/NDF:9.9/16

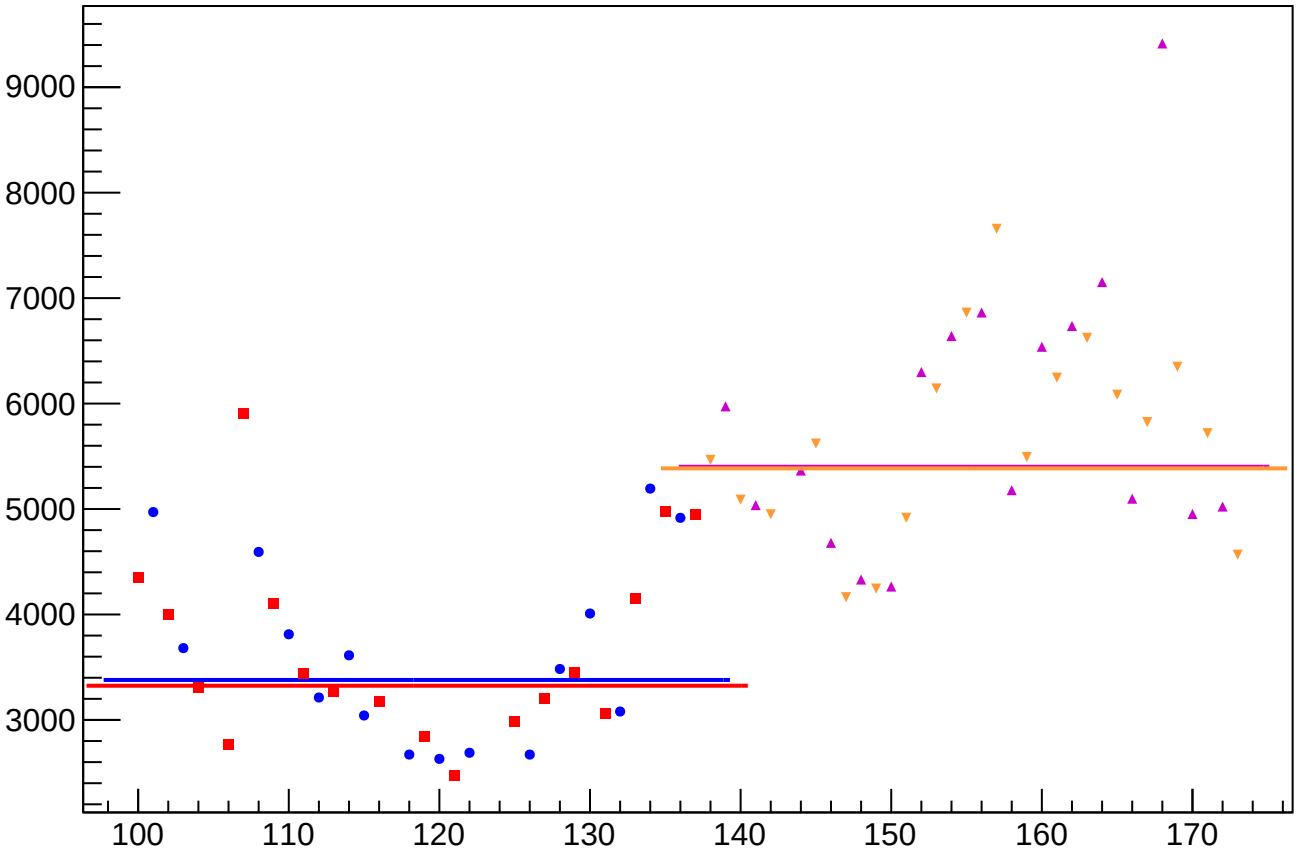
Left: 132.750+/-1035.959 χ^2/NDF: 37.8/34

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 76.232+/-972.461 χ^2/NDF:26.3/32

Out: 54.612+/-953.779 χ^2/NDF:46.5/35

All: 65.212+/-680.933 χ^2/NDF: 72.7/68



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5385.357+/-1.031 χ^2/NDF:742039.3/17

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5401.057+/-1.041 χ^2/NDF:993817.3/16

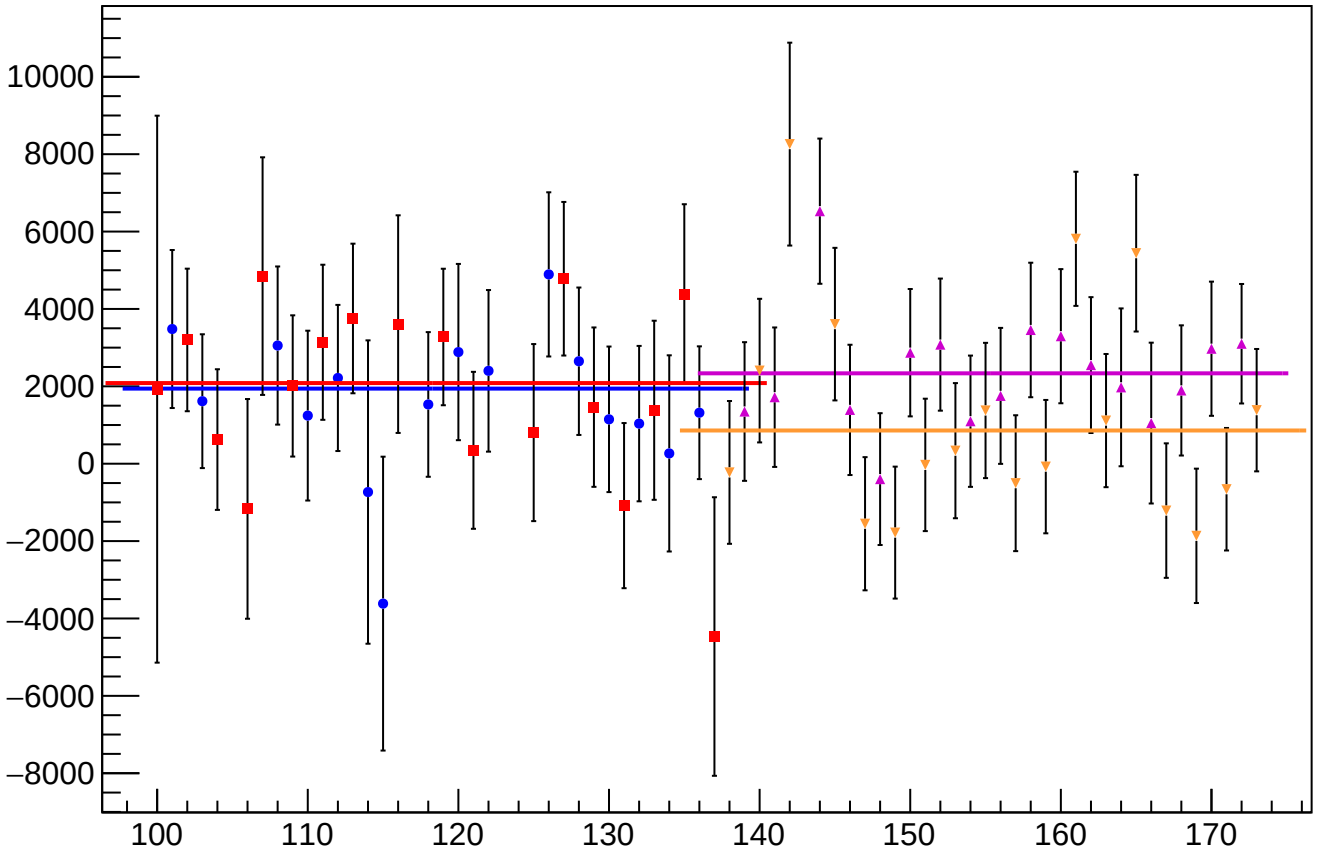
Left: 5393.126+/-0.733 χ^2/NDF: 1735971.4/34

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4260.751+/-0.688 χ^2/NDF:3875330.6/32

Out: 4206.919+/-0.674 χ^2/NDF:3572193.7/35

All: 4233.313+/-0.481 χ^2/NDF: 7450648.1/68



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 858.659+/-418.816 χ^2/NDF:34.9/17

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2336.156+/-424.510 χ^2/NDF:10.8/16

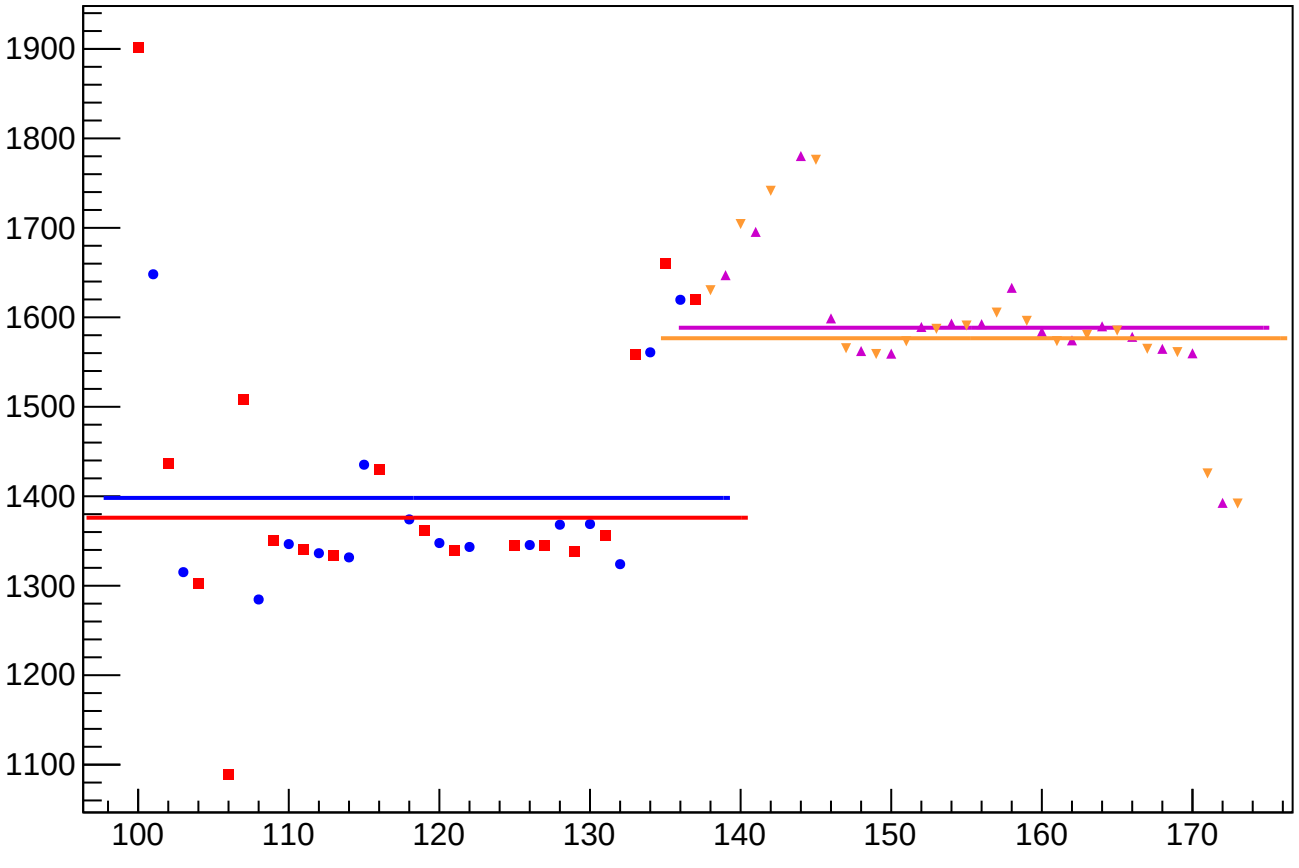
Left: 1587.432+/-298.141 χ^2/NDF: 51.8/34

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2178.927+/-329.393 χ^2/NDF:18.1/32

Out: 1341.312+/-326.075 χ^2/NDF:52.7/35

All: 1755.879+/-231.734 χ^2/NDF: 74.1/68



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1576.639+/-0.296 χ^2/NDF:86630.2/17

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1588.367+/-0.300 χ^2/NDF:65900.9/16

Left: 1582.424+/-0.211 χ^2/NDF: 153304.7/34

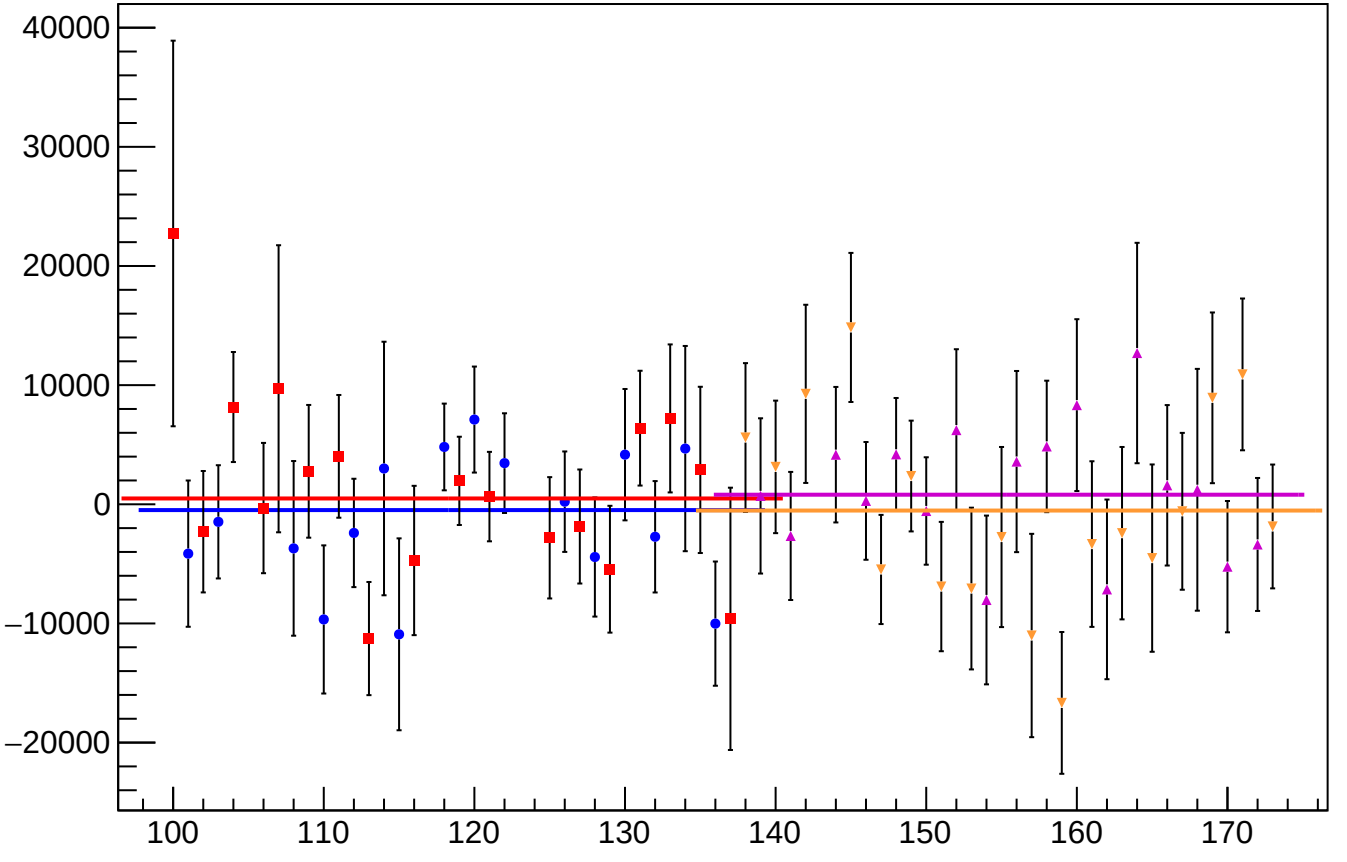
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1512.680+/-0.233 χ^2/NDF:319596.9/32

Out: 1496.342+/-0.229 χ^2/NDF:384337.6/35

All: 1504.385+/-0.163 χ^2/NDF: 706432.5/68

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: -524.922+/-1457.562 χ^2/NDF:27.5/17

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 804.145+/-1472.690 χ^2/NDF:9.9/16

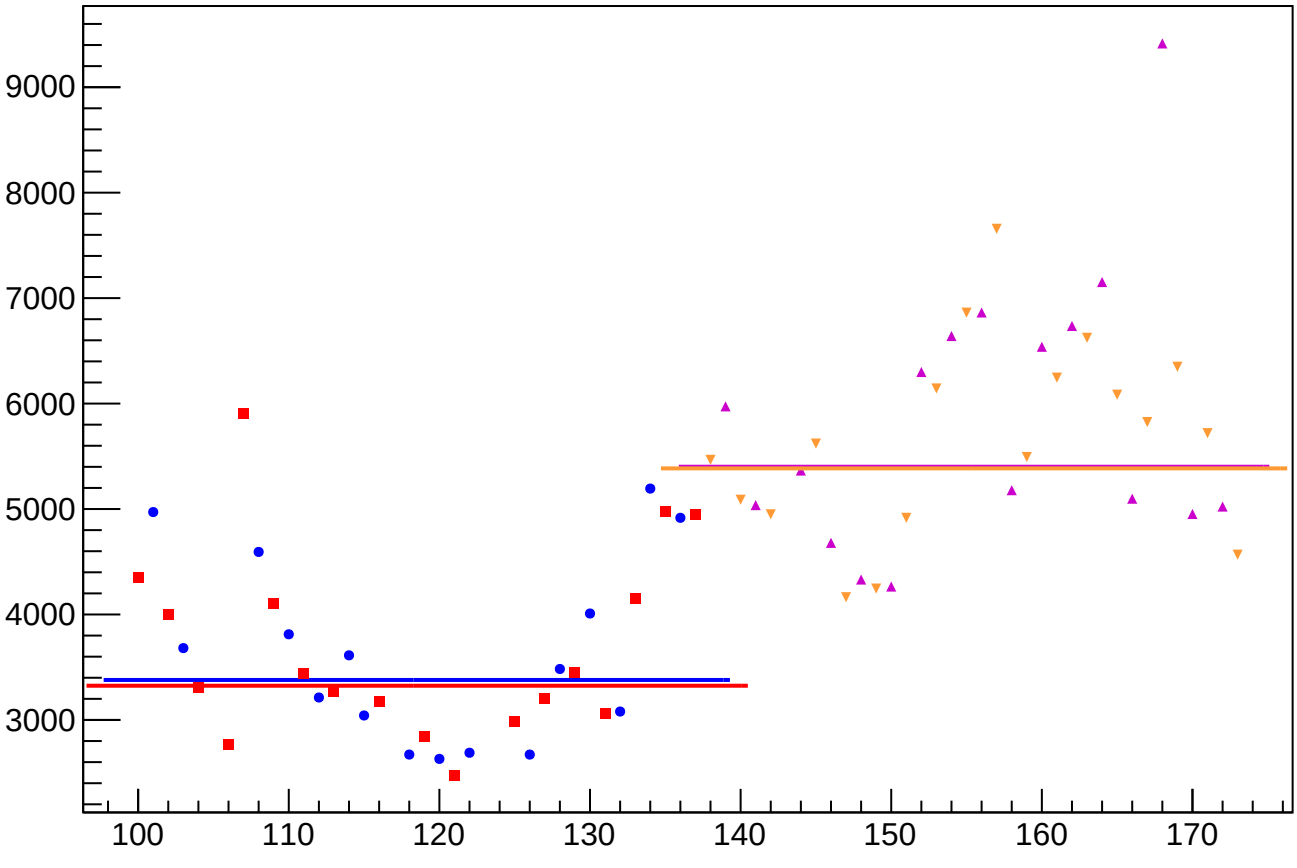
Left: 132.750+/-1035.959 χ^2/NDF: 37.8/34

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 76.232+/-972.461 χ^2/NDF:26.3/32

Out: 54.612+/-953.779 χ^2/NDF:46.5/35

All: 65.212+/-680.933 χ^2/NDF: 72.7/68



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5385.357+/-1.031 χ^2/NDF:742039.3/17

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5401.057+/-1.041 χ^2/NDF:993817.3/16

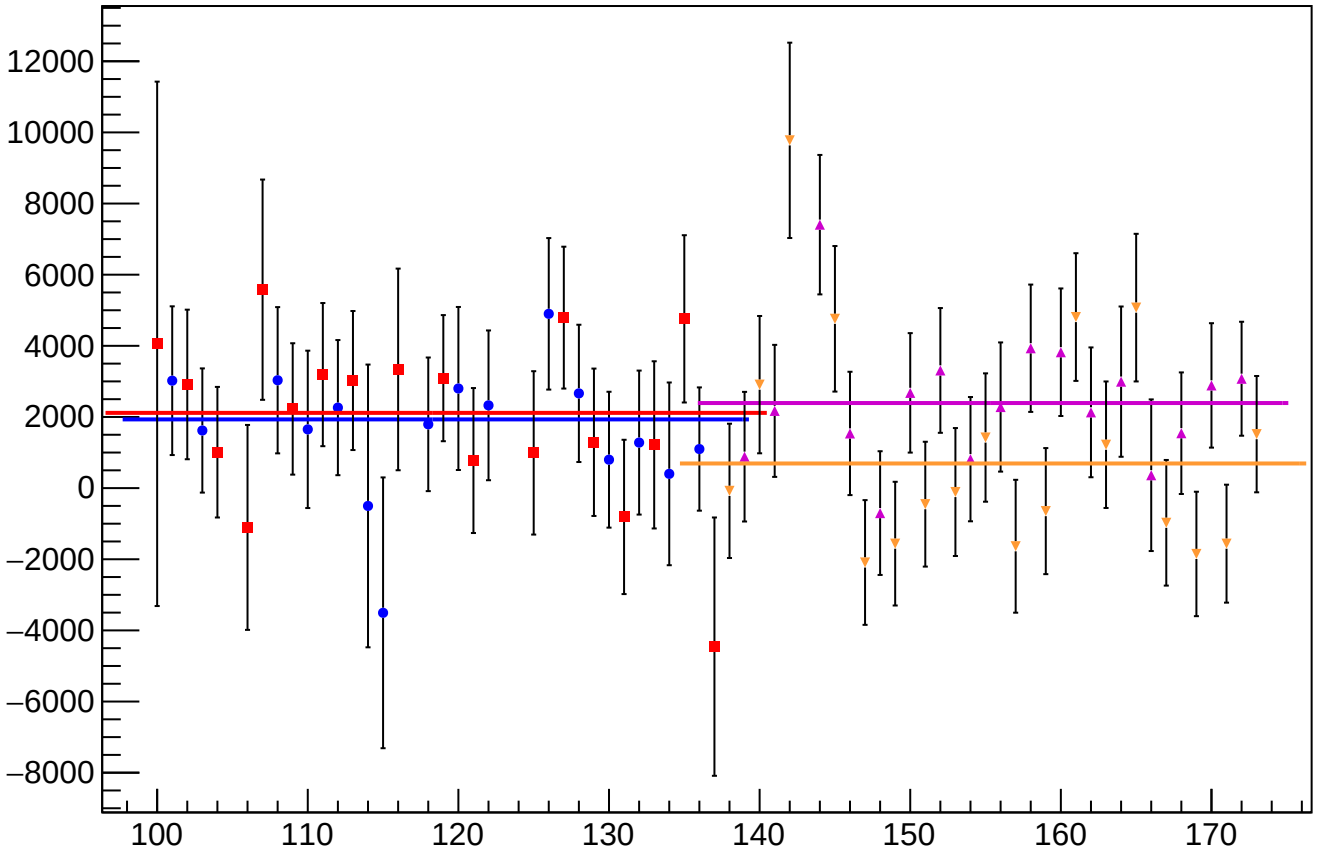
Left: 5393.126+/-0.733 χ^2/NDF: 1735971.4/34

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4260.751+/-0.688 χ^2/NDF:3875330.6/32

Out: 4206.919+/-0.674 χ^2/NDF:3572193.7/35

All: 4233.313+/-0.481 χ^2/NDF: 7450648.1/68



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 692.608+/-431.654 χ^2/NDF:38.4/17

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2391.873+/-436.317 χ^2/NDF:14.7/16

Left: 1533.113+/-306.861 χ^2/NDF: 60.7/34

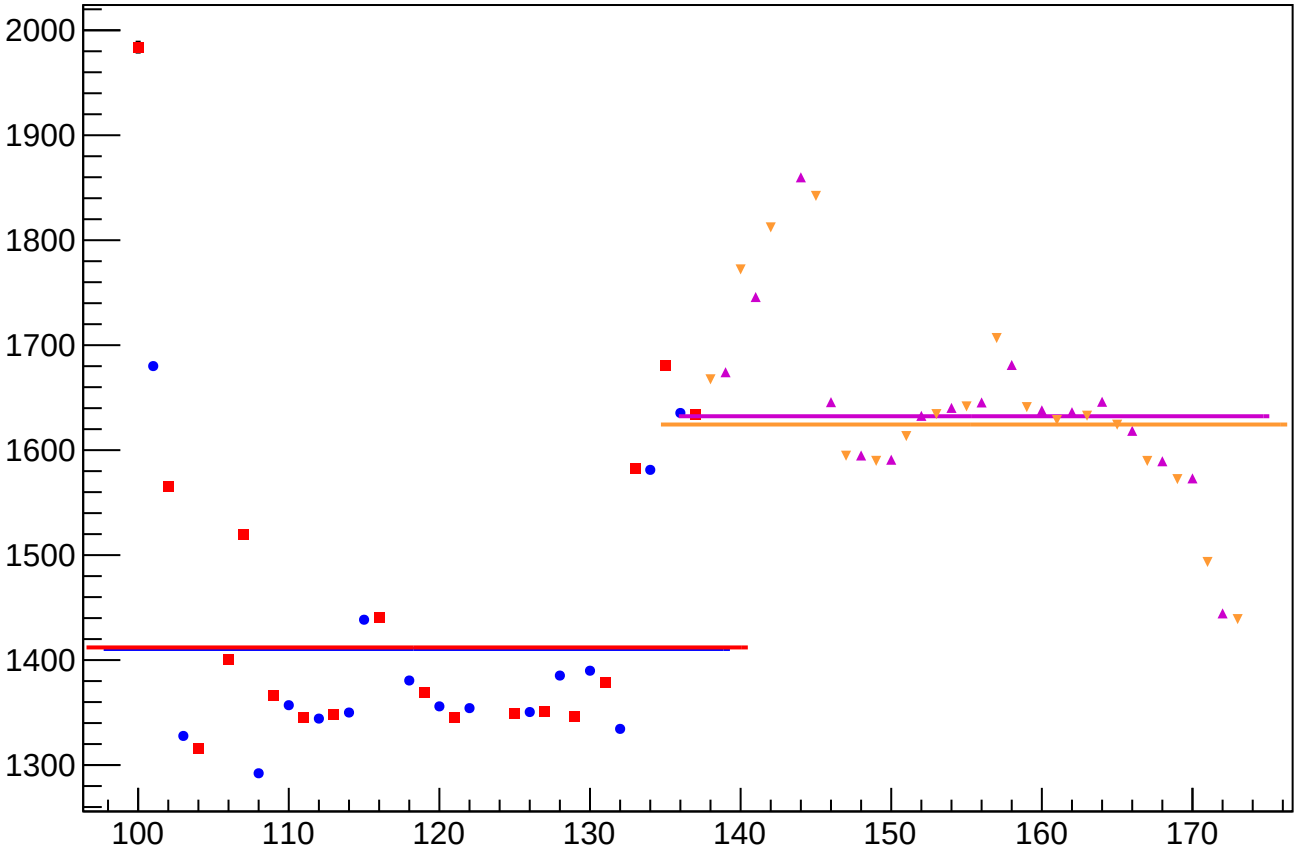
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2204.715+/-336.115 χ^2/NDF:21.5/32

Out: 1261.467+/-334.392 χ^2/NDF:56.0/35

All: 1730.668+/-237.058 χ^2/NDF: 81.4/68

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1624.424+/-0.305 χ^2/NDF:91319.3/17

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1632.304+/-0.309 χ^2/NDF:70657.3/16

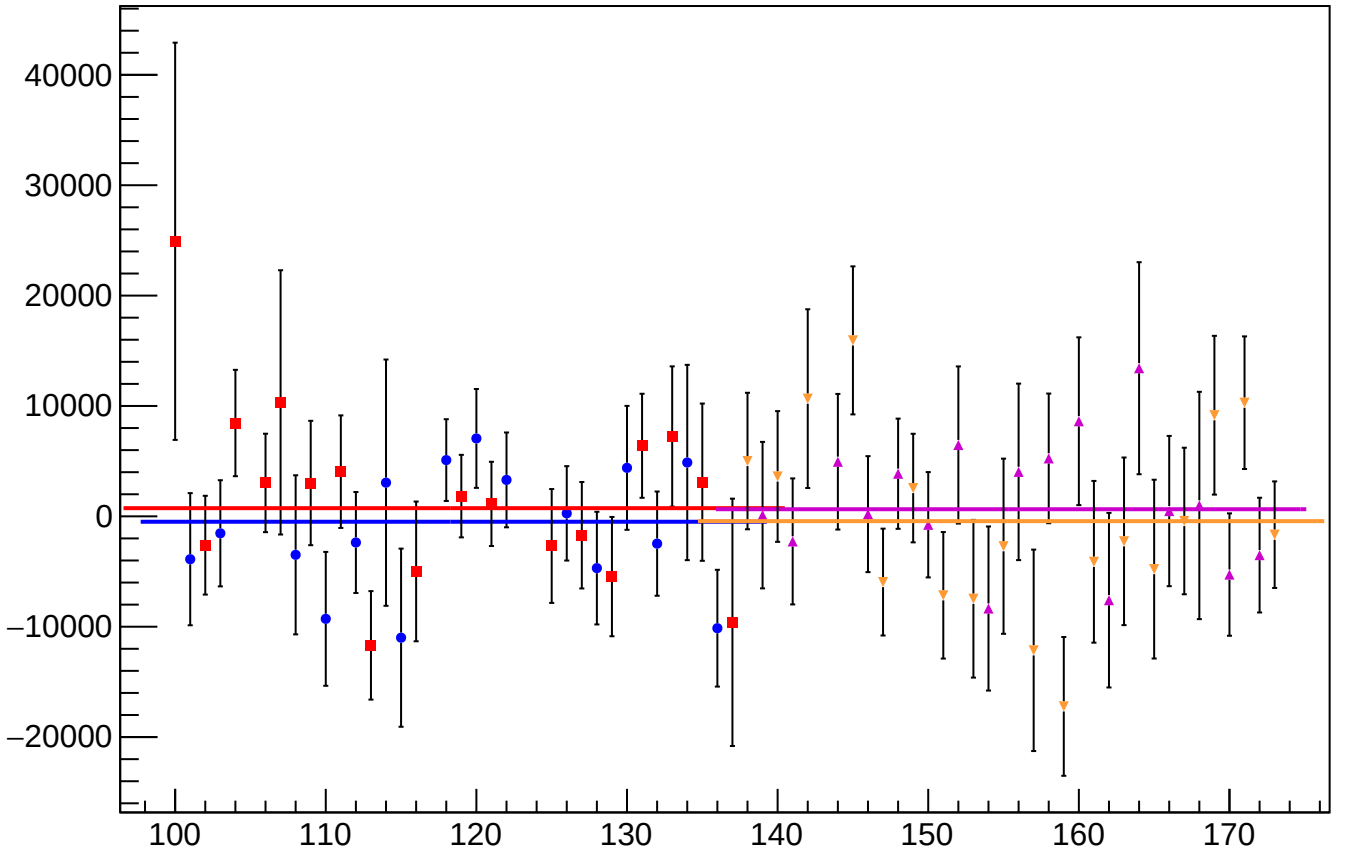
Left: 1628.321+/-0.217 χ^2/NDF: 162306.3/34

Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1542.165+/-0.238 χ^2/NDF:379760.3/32

Out: 1539.227+/-0.236 χ^2/NDF:375239.7/35

All: 1540.687+/-0.168 χ^2/NDF: 755076.9/68



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -435.452+/-1502.094 χ^2/NDF:27.6/17

Right Out: 740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: 643.755+/-1529.747 χ^2/NDF:9.9/16

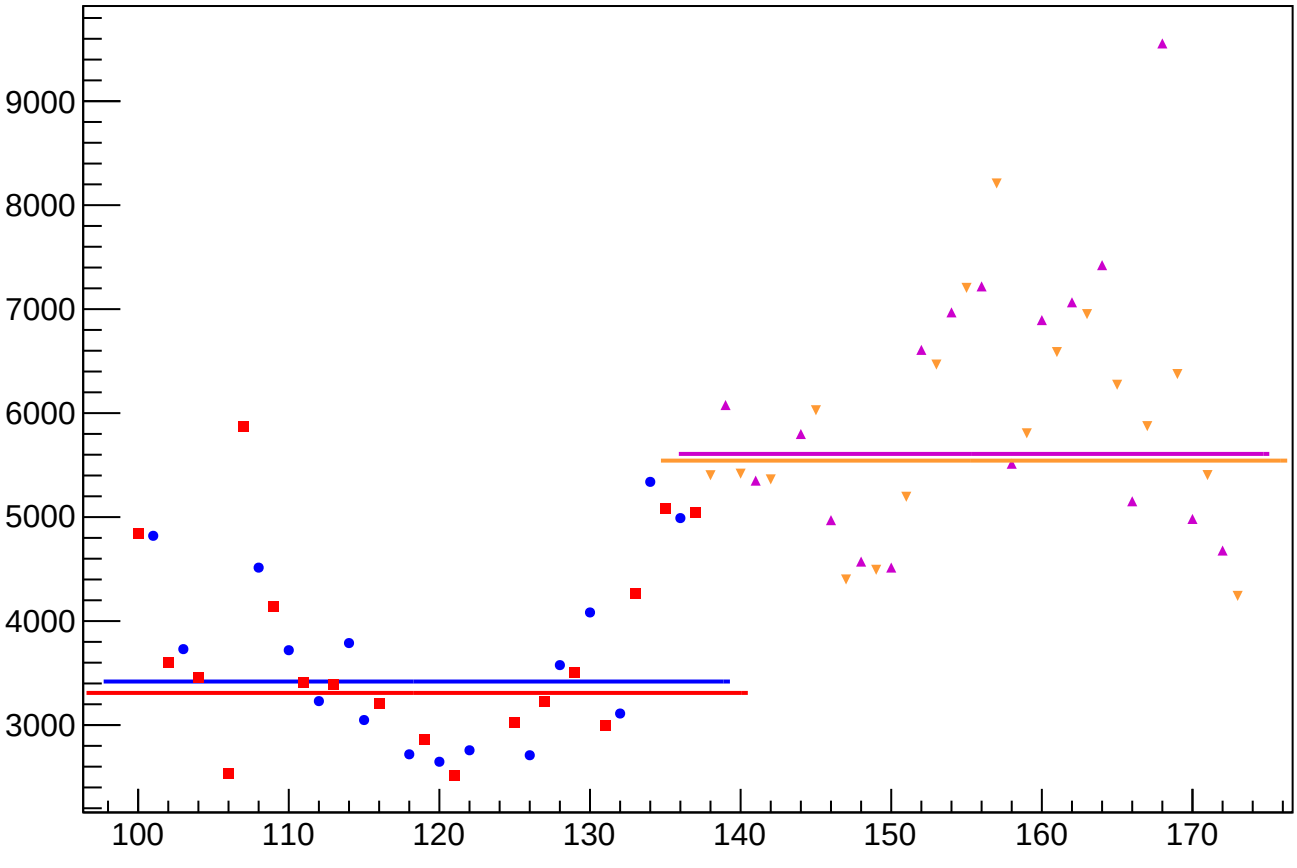
Left: 94.309+/-1071.784 χ^2/NDF: 37.8/34

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: -10.541+/-994.442 χ^2/NDF:26.1/32

Out: 260.334+/-959.892 χ^2/NDF:47.1/35

All: 129.684+/-690.638 χ^2/NDF: 73.3/68



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5543.258+/-1.062 χ^2/NDF:822302.9/17

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5607.735+/-1.082 χ^2/NDF:1013688.7/16

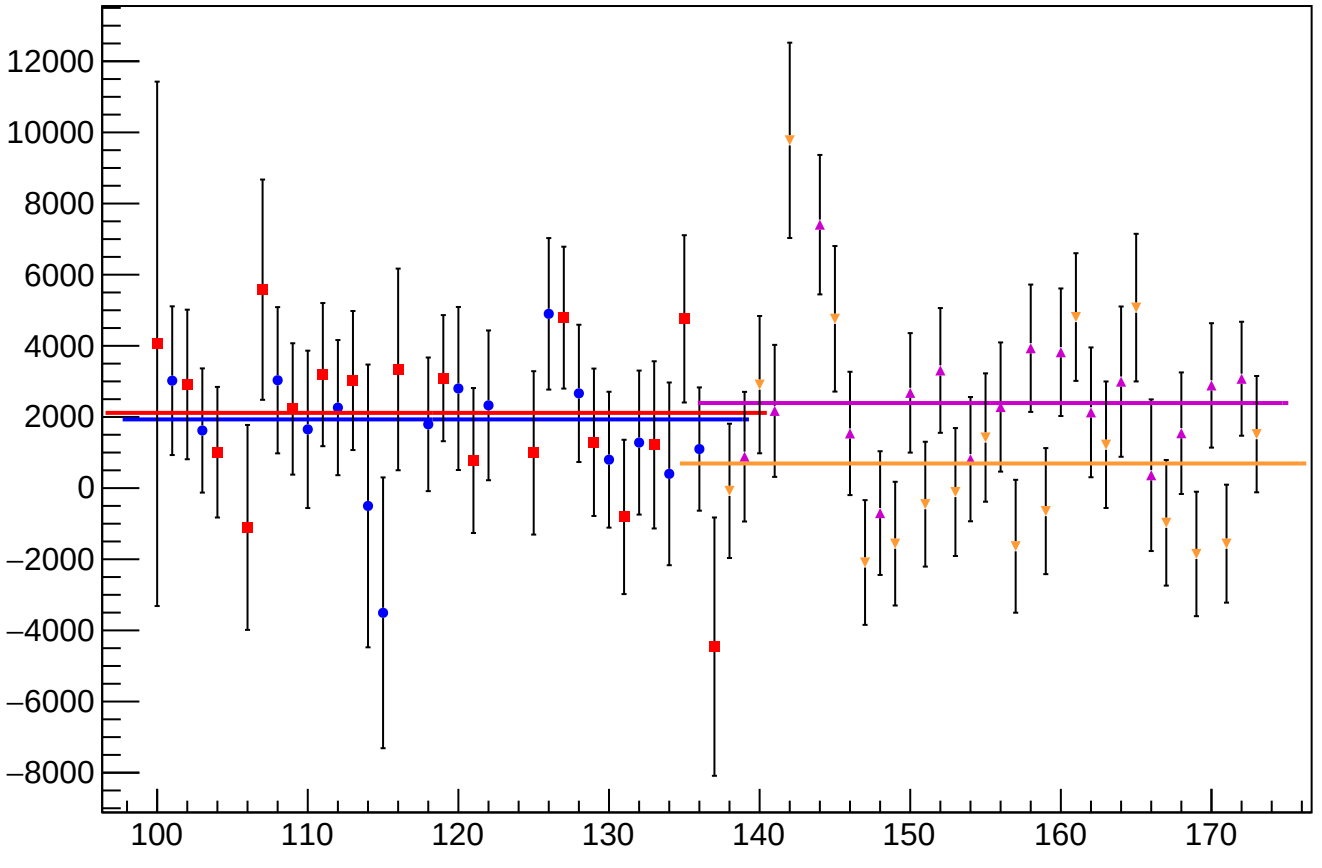
Left: 5574.909+/-0.758 χ^2/NDF: 1837800.5/34

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 4343.766+/-0.703 χ^2/NDF:4099626.5/32

Out: 4221.464+/-0.679 χ^2/NDF:4011891.2/35

All: 4280.453+/-0.488 χ^2/NDF: 8127177.8/68



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 692.603+/-431.655 χ^2/NDF:38.4/17

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2391.874+/-436.317 χ^2/NDF:14.7/16

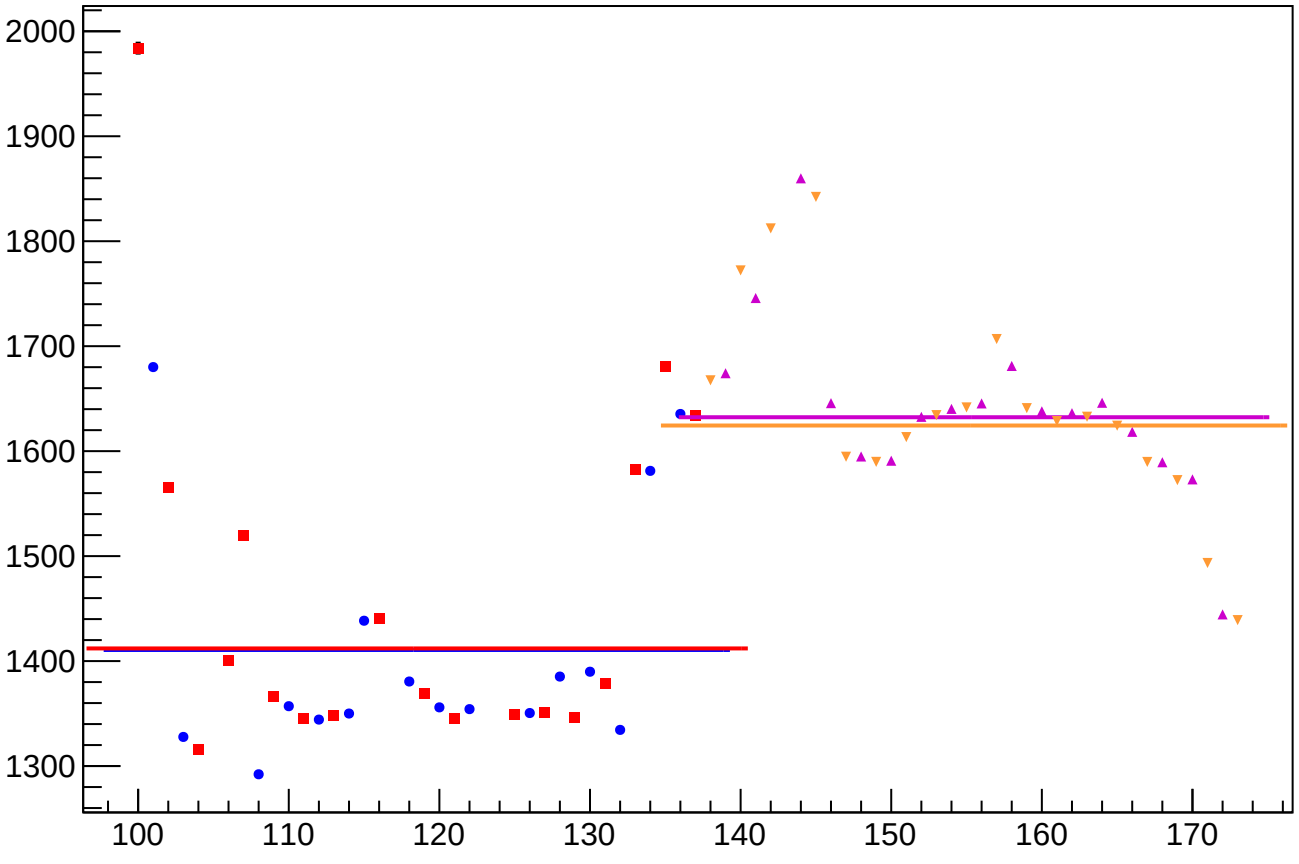
Left: 1533.111+/-306.861 χ^2/NDF: 60.7/34

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2204.717+/-336.115 χ^2/NDF:21.5/32

Out: 1261.465+/-334.392 χ^2/NDF:56.0/35

All: 1730.667+/-237.058 χ^2/NDF: 81.4/68



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1624.424+/-0.305 χ^2/NDF:91323.0/17

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1632.305+/-0.309 χ^2/NDF:70659.6/16

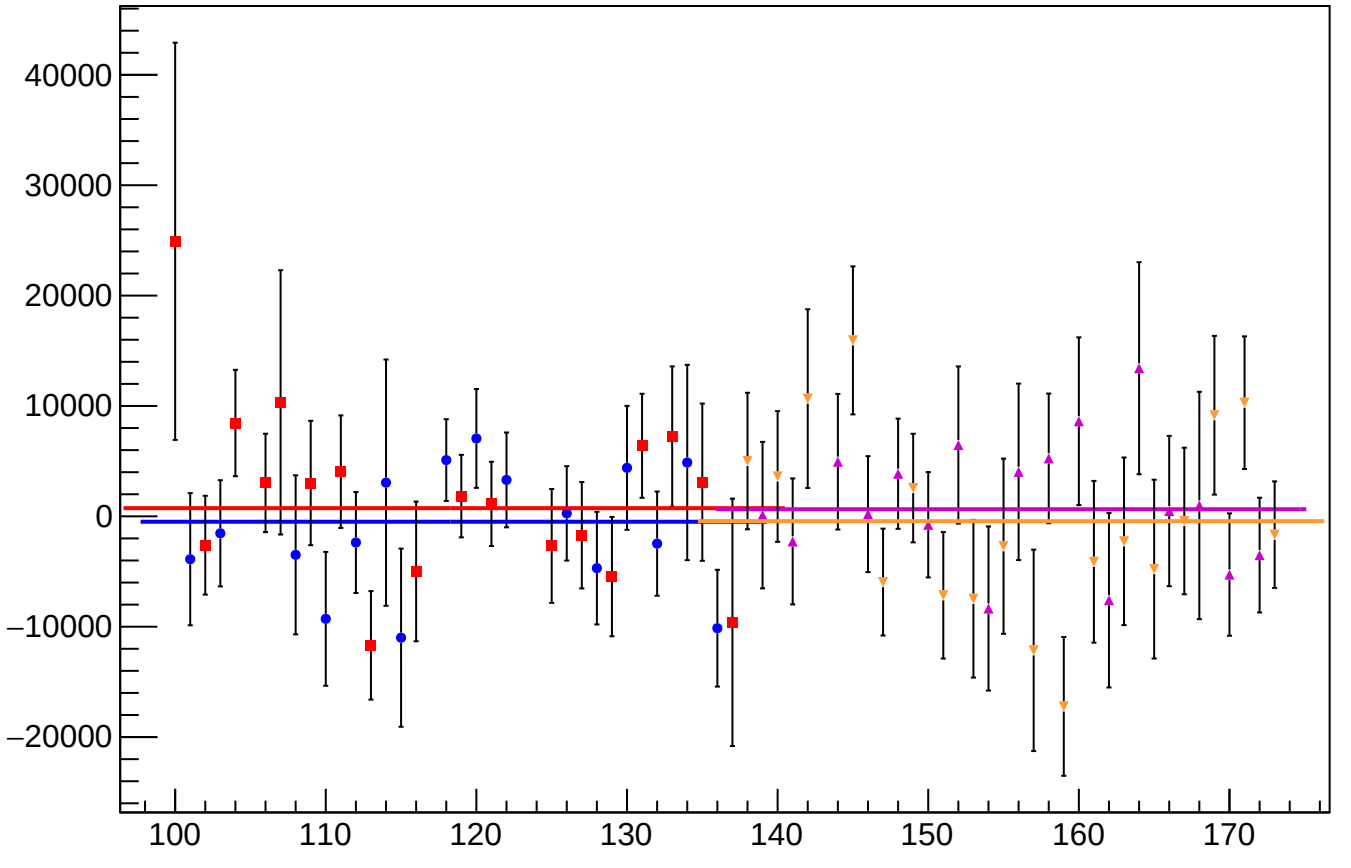
Left: 1628.322+/-0.217 χ^2/NDF: 162312.3/34

Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1542.165+/-0.238 χ^2/NDF:379763.8/32

Out: 1539.227+/-0.236 χ^2/NDF:375244.4/35

All: 1540.687+/-0.168 χ^2/NDF: 755085.1/68



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -435.459+/-1502.097 χ^2/NDF:27.6/17

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 643.755+/-1529.749 χ^2/NDF:9.9/16

Left: 94.306+/-1071.786 χ^2/NDF: 37.8/34

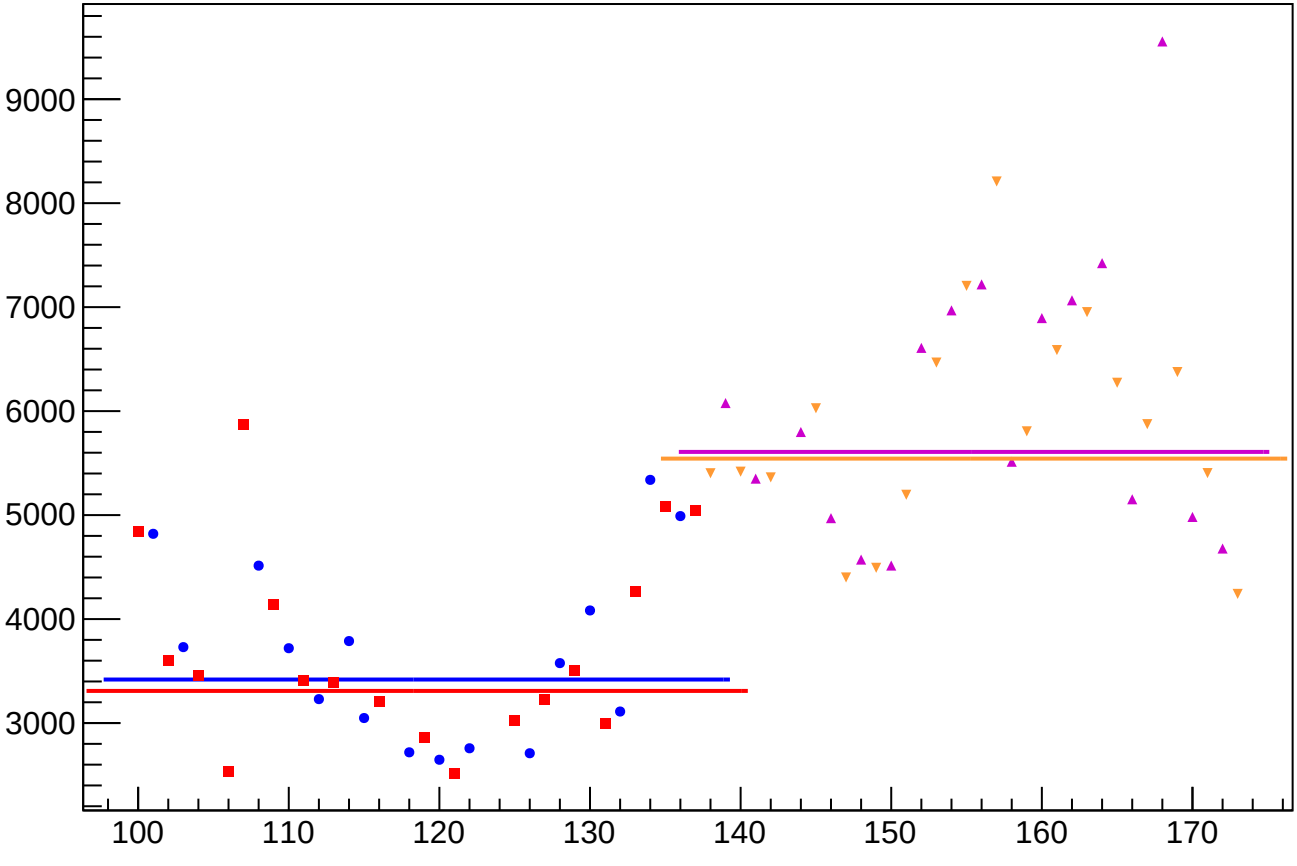
Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: -10.539+/-994.441 χ^2/NDF:26.1/32

Out: 260.335+/-959.891 χ^2/NDF:47.1/35

All: 129.685+/-690.637 χ^2/NDF: 73.3/68

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5543.267+/-1.062 χ^2/NDF:822303.0/17

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5607.743+/-1.082 χ^2/NDF:1013690.0/16

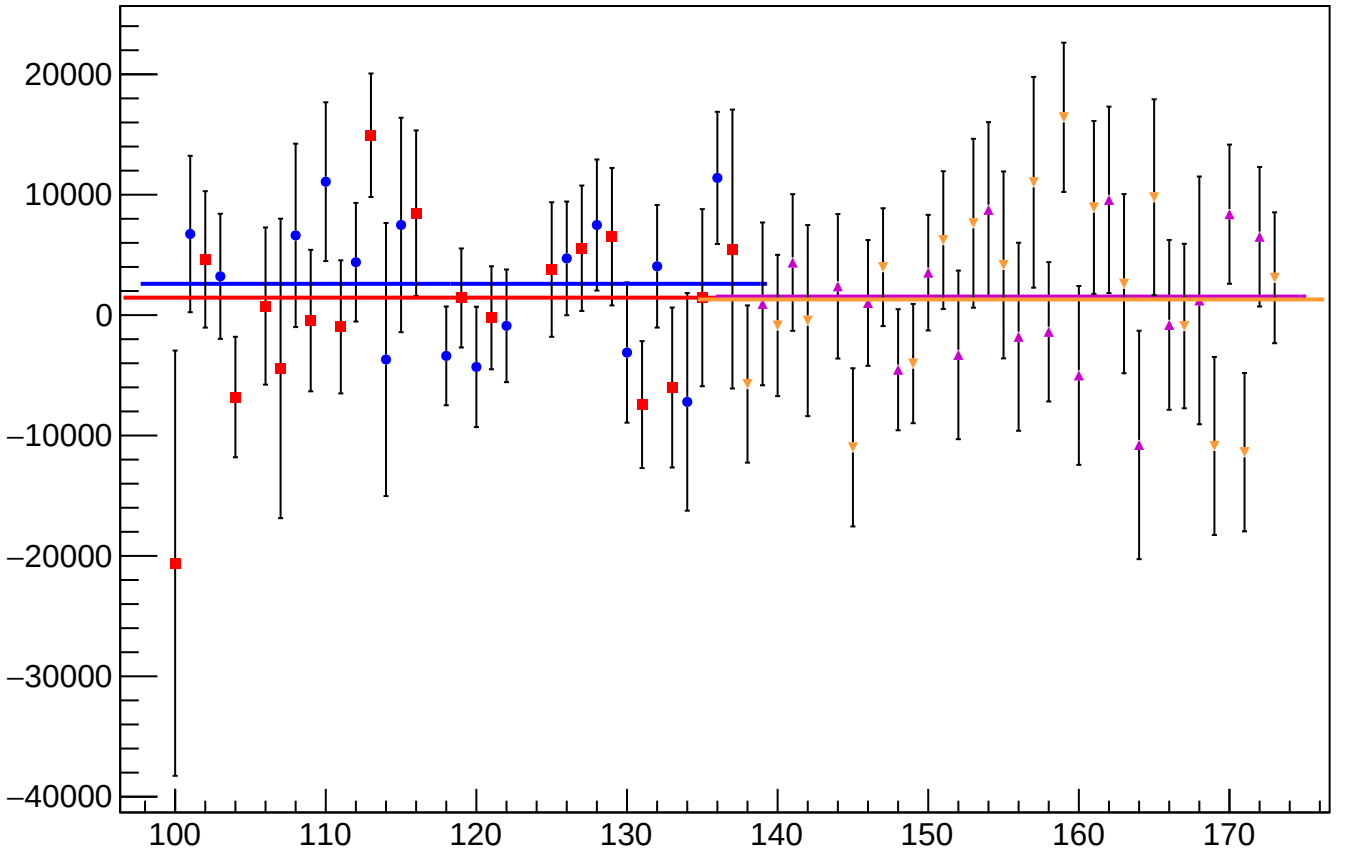
Left: 5574.917+/-0.758 χ^2/NDF: 1837801.8/34

Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 4343.758+/-0.703 χ^2/NDF:4099679.3/32

Out: 4221.457+/-0.679 χ^2/NDF:4011940.6/35

All: 4280.446+/-0.488 χ^2/NDF: 8127279.8/68



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 1301.226+/-1525.254 χ^2/NDF:24.1/17

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 1540.945+/-1541.401 χ^2/NDF:9.6/16

Left: 1419.823+/-1084.181 χ^2/NDF: 33.7/34

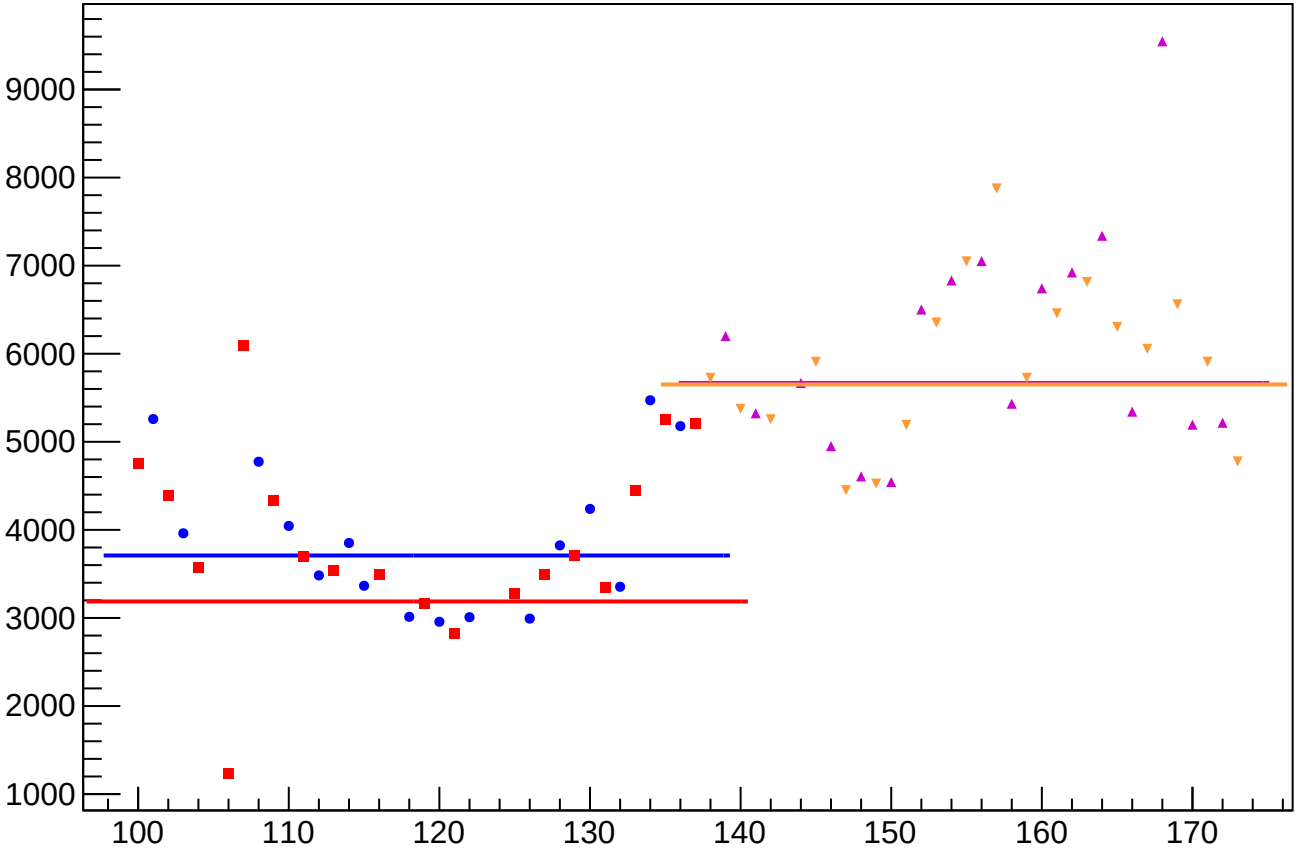
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2115.651+/-1042.182 χ^2/NDF:23.3/32

Out: 1383.112+/-1024.464 χ^2/NDF:43.1/35

All: 1743.101+/-730.589 χ^2/NDF: 66.7/68

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5651.027+/-1.079 χ^2/NDF:642884.9/17

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5668.291+/-1.090 χ^2/NDF:872087.8/16

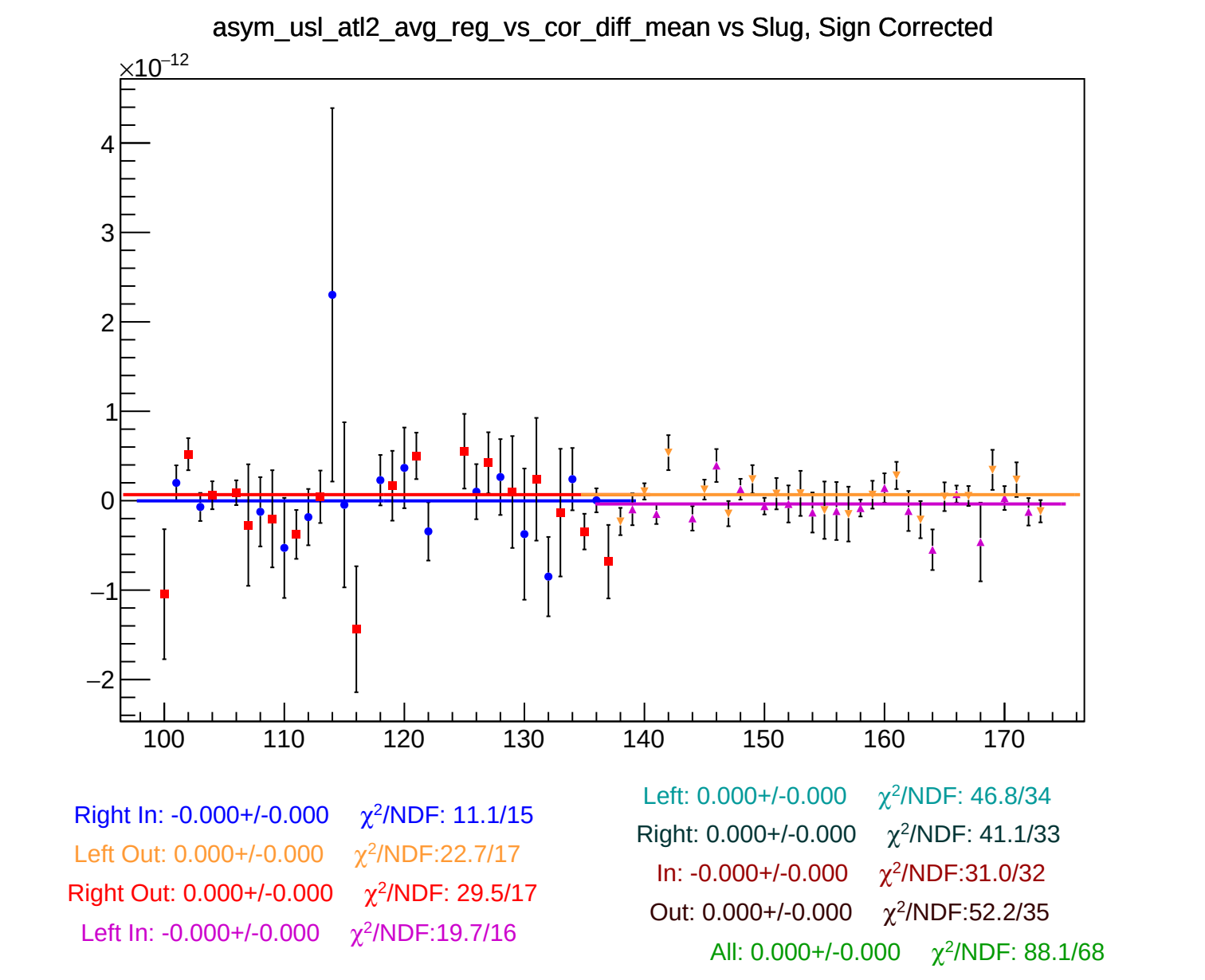
Left: 5659.568+/-0.767 χ^2/NDF: 1515099.5/34

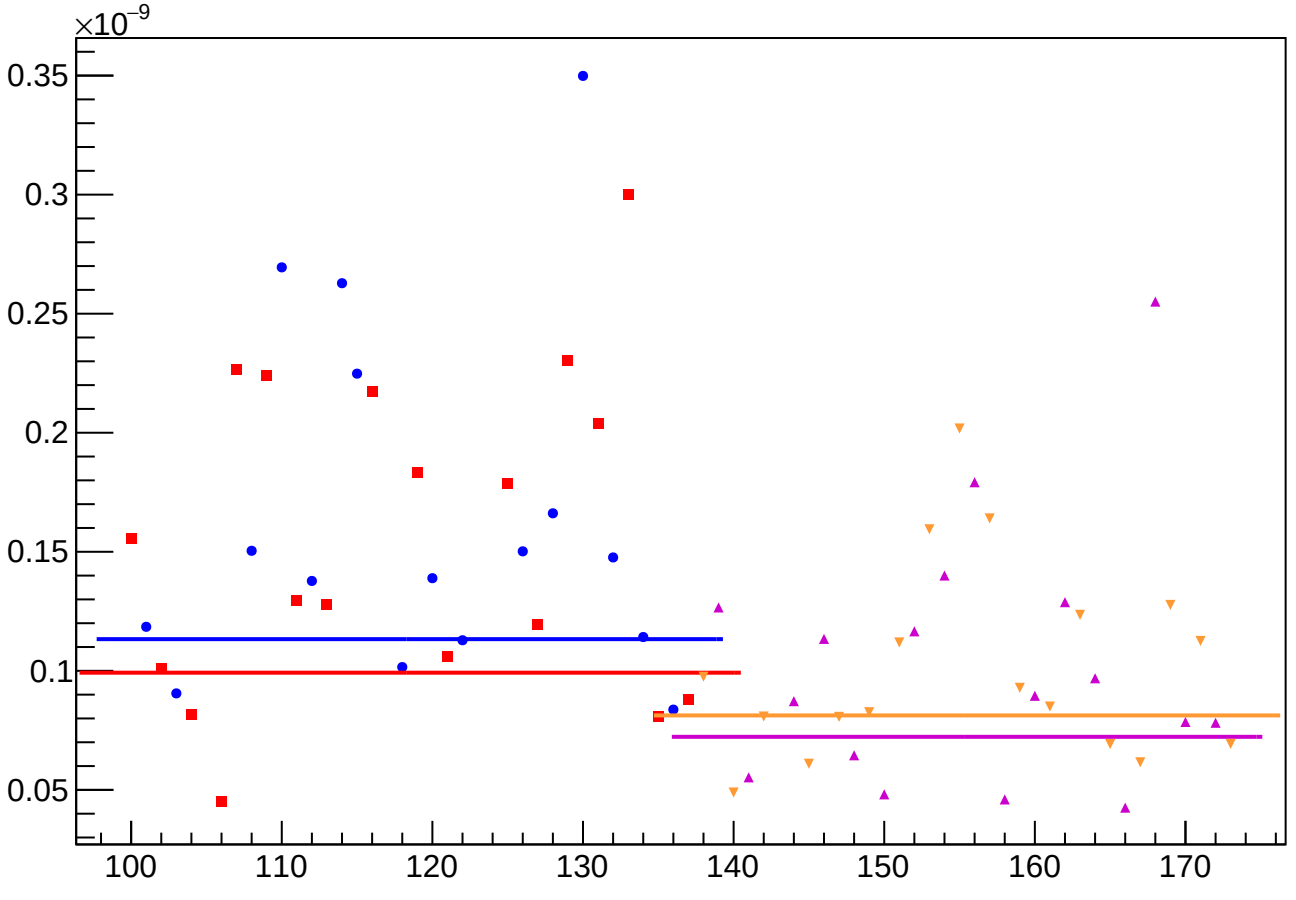
Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4604.766+/-0.737 χ^2/NDF:3236651.2/32

Out: 4192.714+/-0.689 χ^2/NDF:5342634.4/35

All: 4384.904+/-0.503 χ^2/NDF: 8746105.0/68


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 11.1/15
Left Out: 0.000+/-0.000 χ²/NDF:22.7/17
Right Out: 0.000+/-0.000 χ²/NDF: 29.5/17
Left In: -0.000+/-0.000 χ²/NDF:19.7/16
Left: 0.000+/-0.000 χ²/NDF: 46.8/34
Right: 0.000+/-0.000 χ²/NDF: 41.1/33
In: -0.000+/-0.000 χ²/NDF:31.0/32
Out: 0.000+/-0.000 χ²/NDF:52.2/35
All: 0.000+/-0.000 χ²/NDF: 88.1/68



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1349681.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1867936.3/16

Left: 0.000+/-0.000 χ^2/NDF: 3282314.7/34

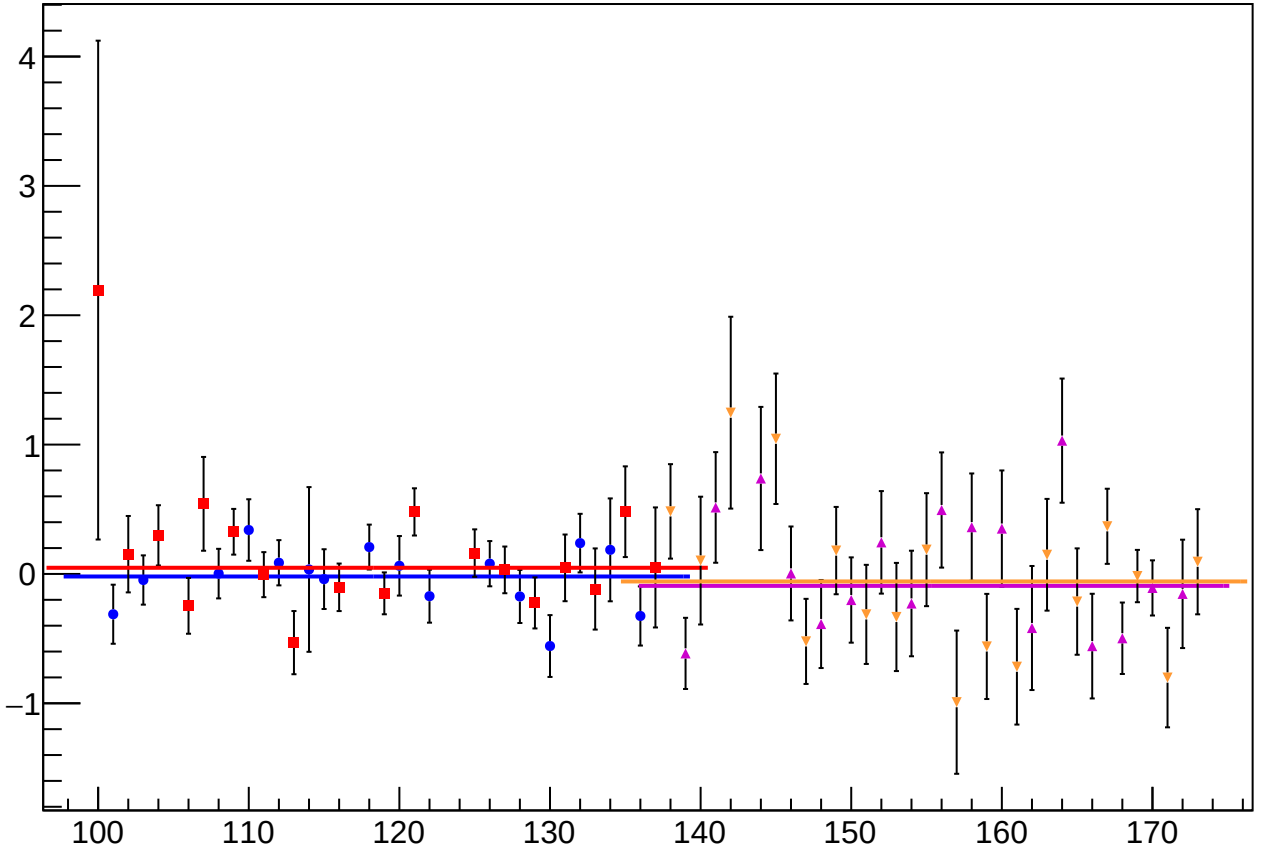
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:3070750.2/32

Out: 0.000+/-0.000 χ^2/NDF:2565212.5/35

All: 0.000+/-0.000 χ^2/NDF: 5663497.7/68

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: -0.058+/-0.088 χ^2/NDF:26.8/17

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.092+/-0.087 χ^2/NDF:23.0/16

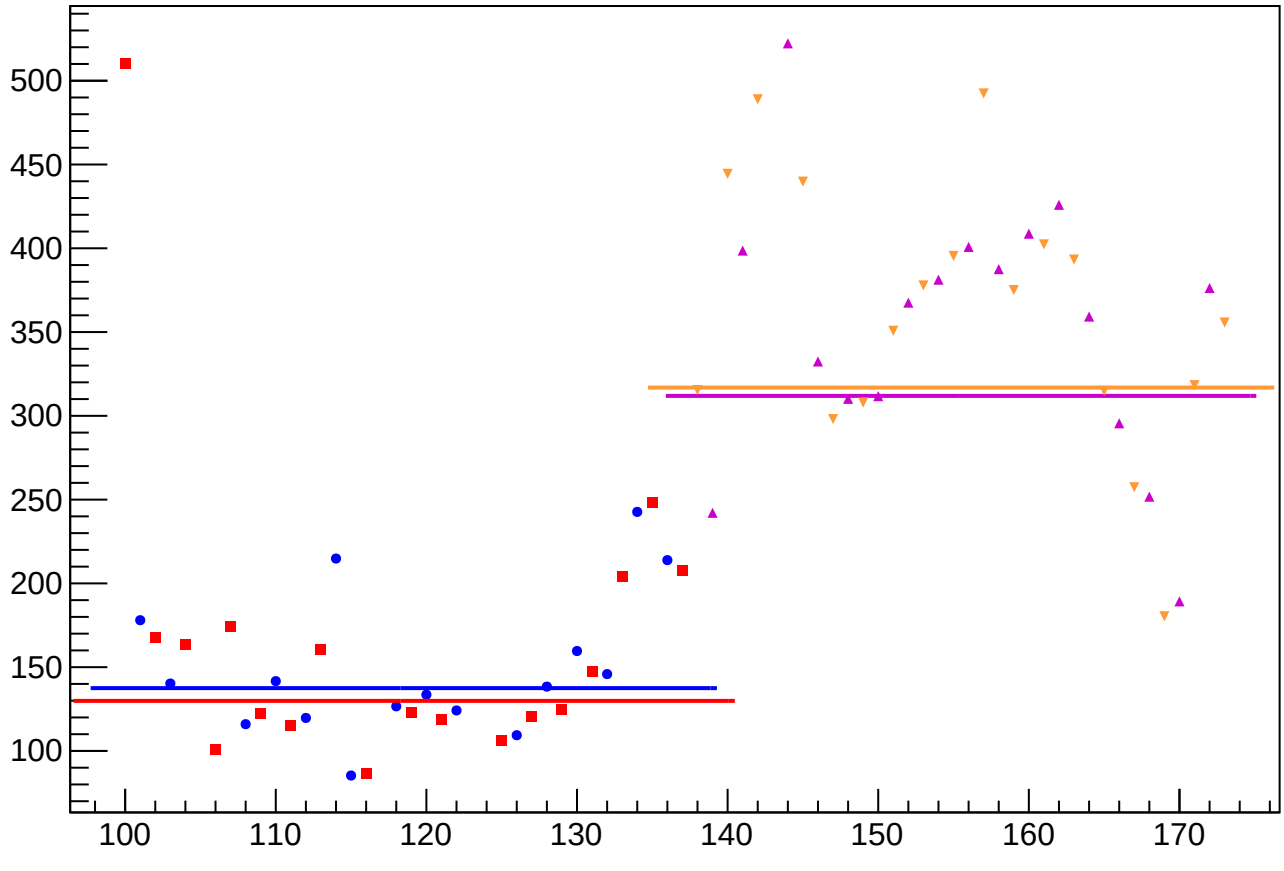
Left: -0.075+/-0.062 χ^2/NDF: 49.9/34

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.040+/-0.046 χ^2/NDF:39.5/32

Out: 0.020+/-0.045 χ^2/NDF:54.2/35

All: -0.009+/-0.032 χ^2/NDF: 94.5/68



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 316.870+/-0.063 χ^2/NDF:1881418.5/17

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 311.910+/-0.062 χ^2/NDF:1781963.6/16

Left: 314.358+/-0.044 χ^2/NDF: 3666567.2/34

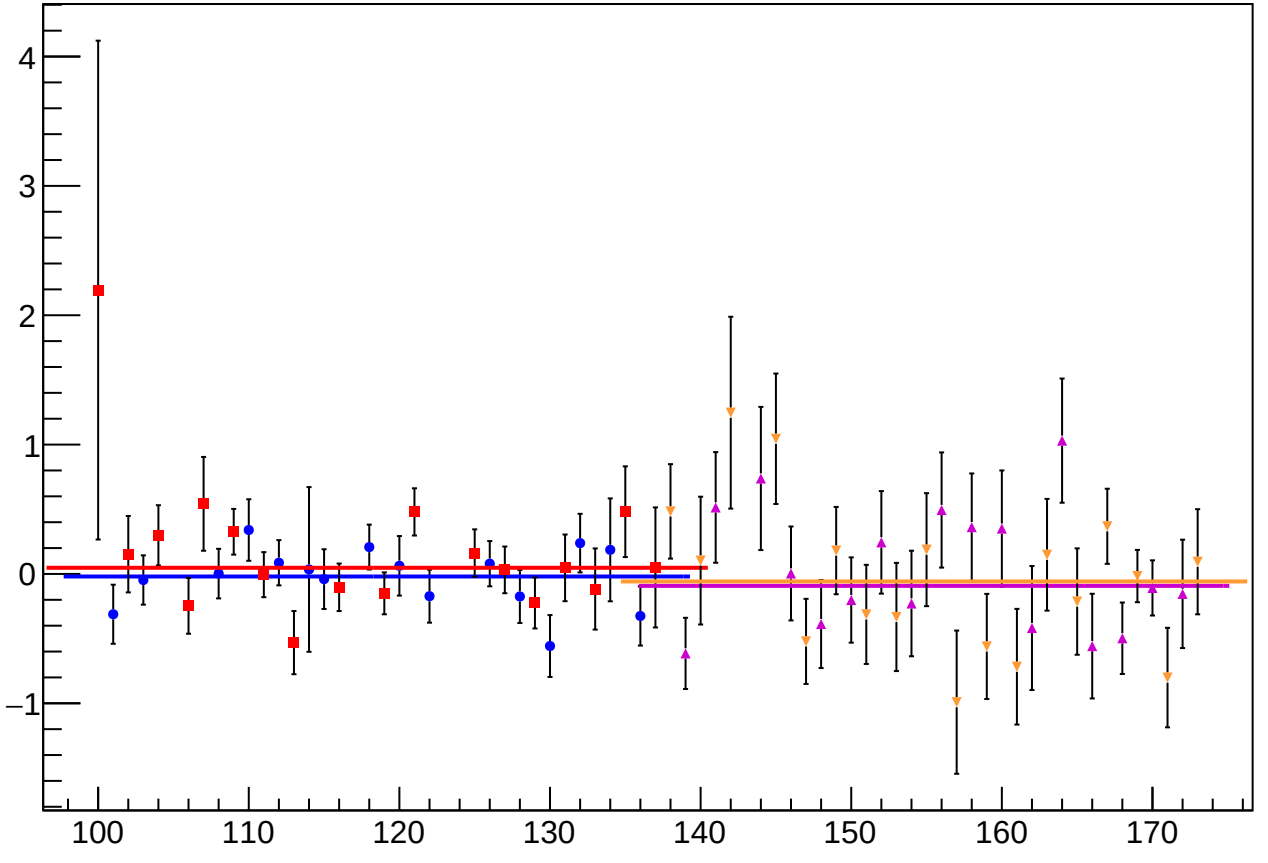
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 186.004+/-0.033 χ^2/NDF:8234227.1/32

Out: 178.599+/-0.032 χ^2/NDF:9325996.0/35

All: 182.227+/-0.023 χ^2/NDF: 17586591.1/68

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: -0.058+/-0.088 χ^2/NDF:26.8/17

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.092+/-0.087 χ^2/NDF:23.0/16

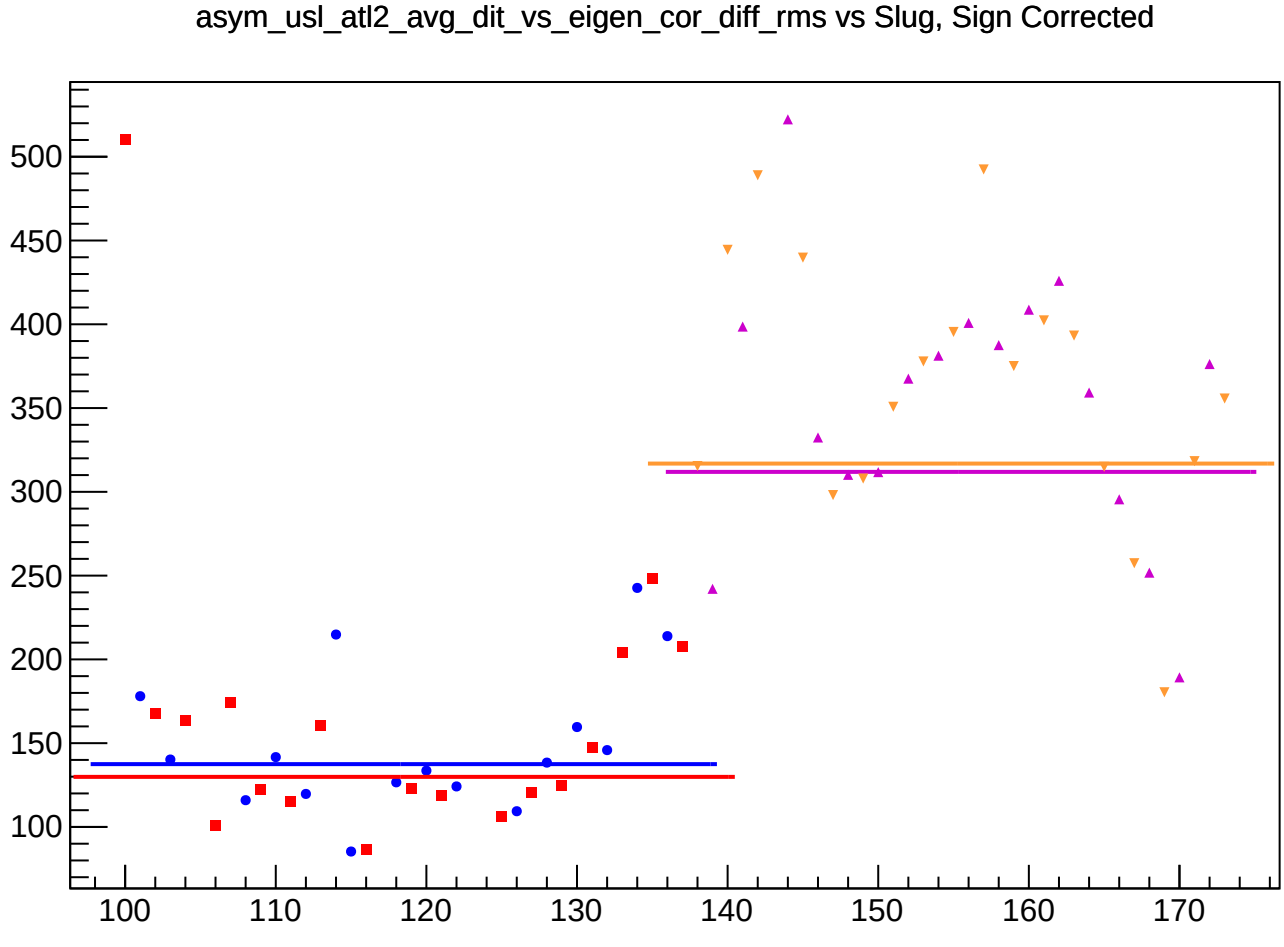
Left: -0.075+/-0.062 χ^2/NDF: 49.9/34

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.040+/-0.046 χ^2/NDF:39.5/32

Out: 0.020+/-0.045 χ^2/NDF:54.2/35

All: -0.009+/-0.032 χ^2/NDF: 94.5/68



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 316.870+/-0.063 χ^2/NDF:1881418.5/17

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 311.910+/-0.062 χ^2/NDF:1781963.6/16

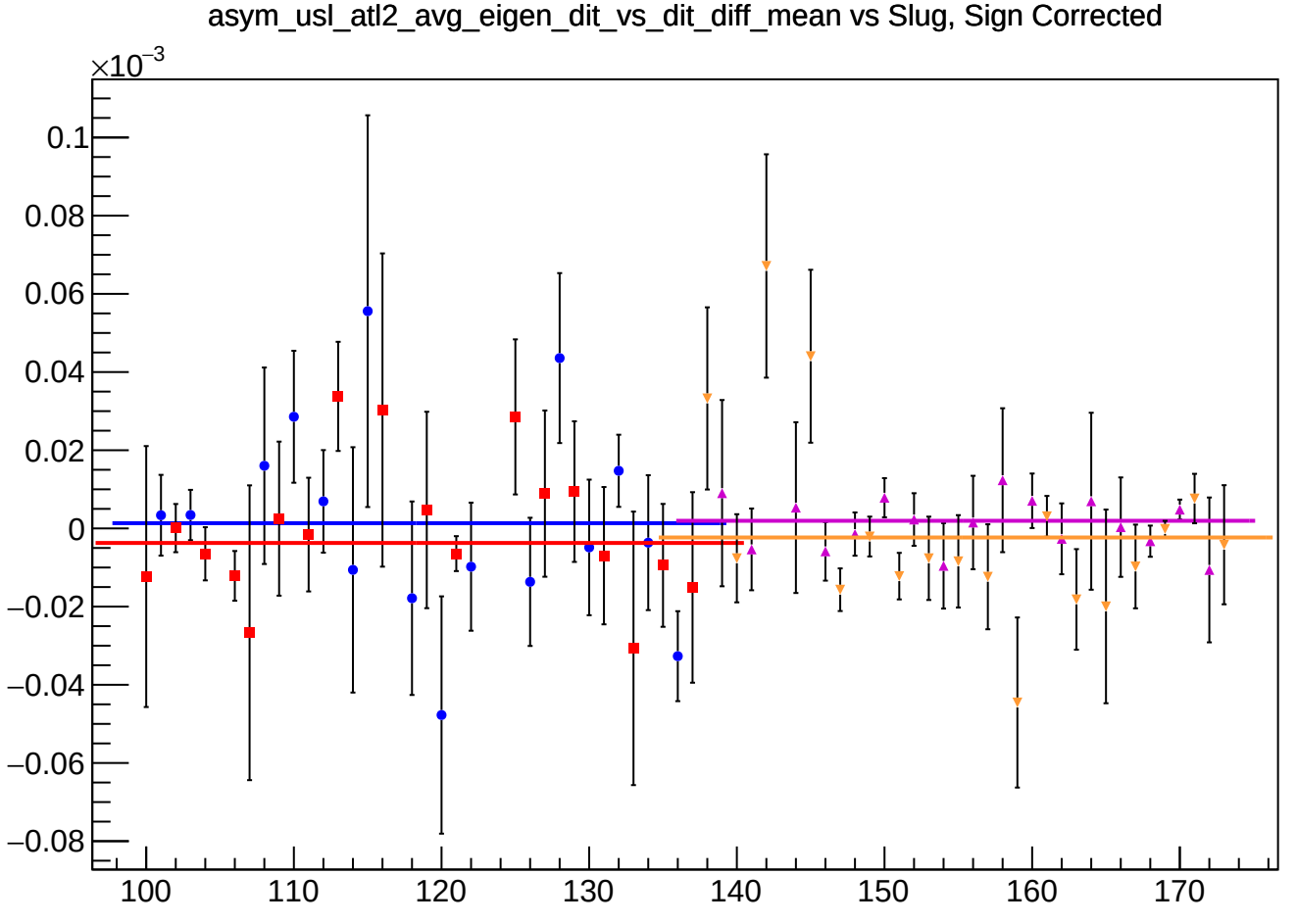
Left: 314.358+/-0.044 χ^2/NDF: 3666567.2/34

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 186.004+/-0.033 χ^2/NDF:8234227.1/32

Out: 178.599+/-0.032 χ^2/NDF:9325996.0/35

All: 182.227+/-0.023 χ^2/NDF: 17586591.1/68



Right In: 0.000+/-0.000 χ^2/NDF: 23.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.6/17

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: 0.000+/-0.000 χ^2/NDF:9.2/16

Left: -0.000+/-0.000 χ^2/NDF: 46.7/34

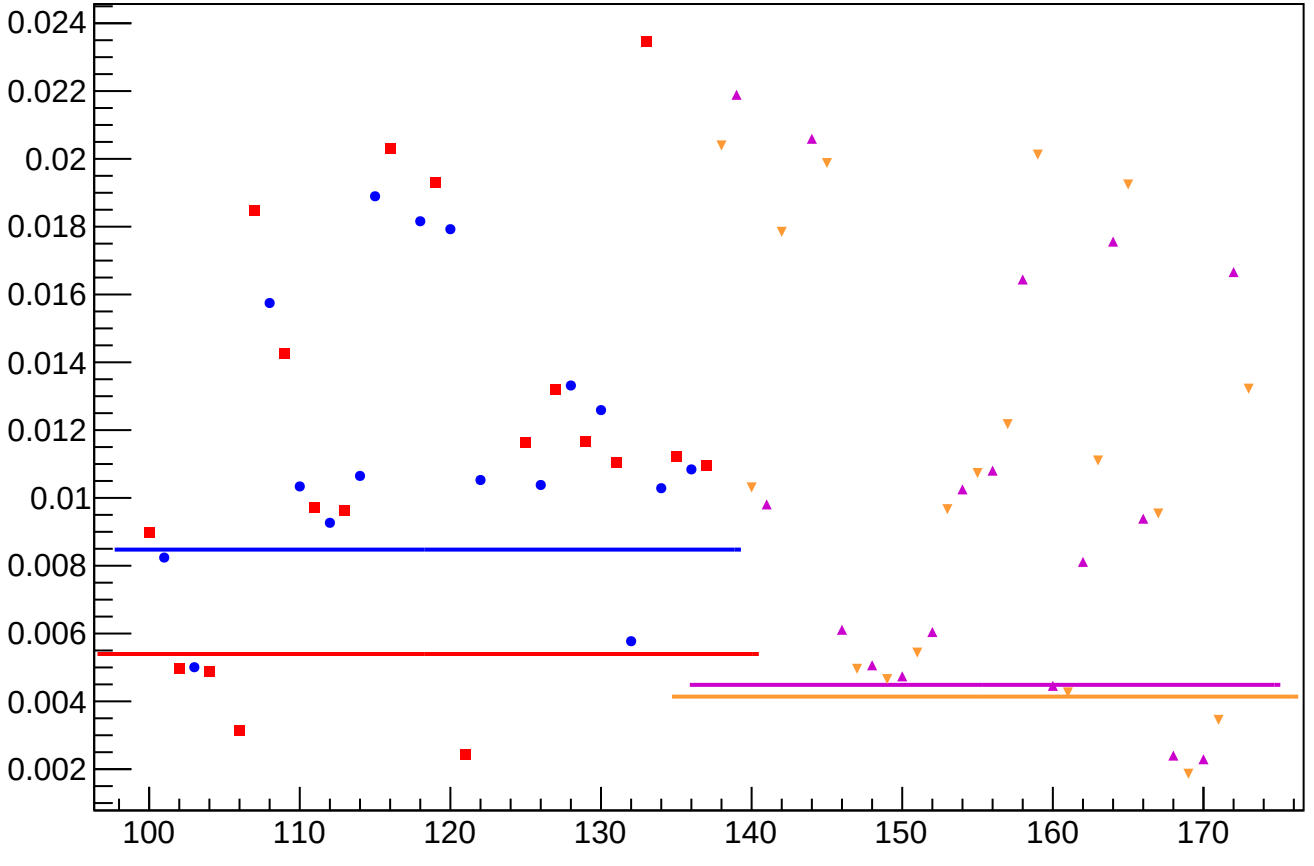
Right: -0.000+/-0.000 χ^2/NDF: 41.1/33

In: 0.000+/-0.000 χ^2/NDF:33.1/32

Out: -0.000+/-0.000 χ^2/NDF:49.6/35

All: -0.000+/-0.000 χ^2/NDF: 88.3/68

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.004+/-0.000 χ^2/NDF:11130087.0/17

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.004+/-0.000 χ^2/NDF:9034615.2/16

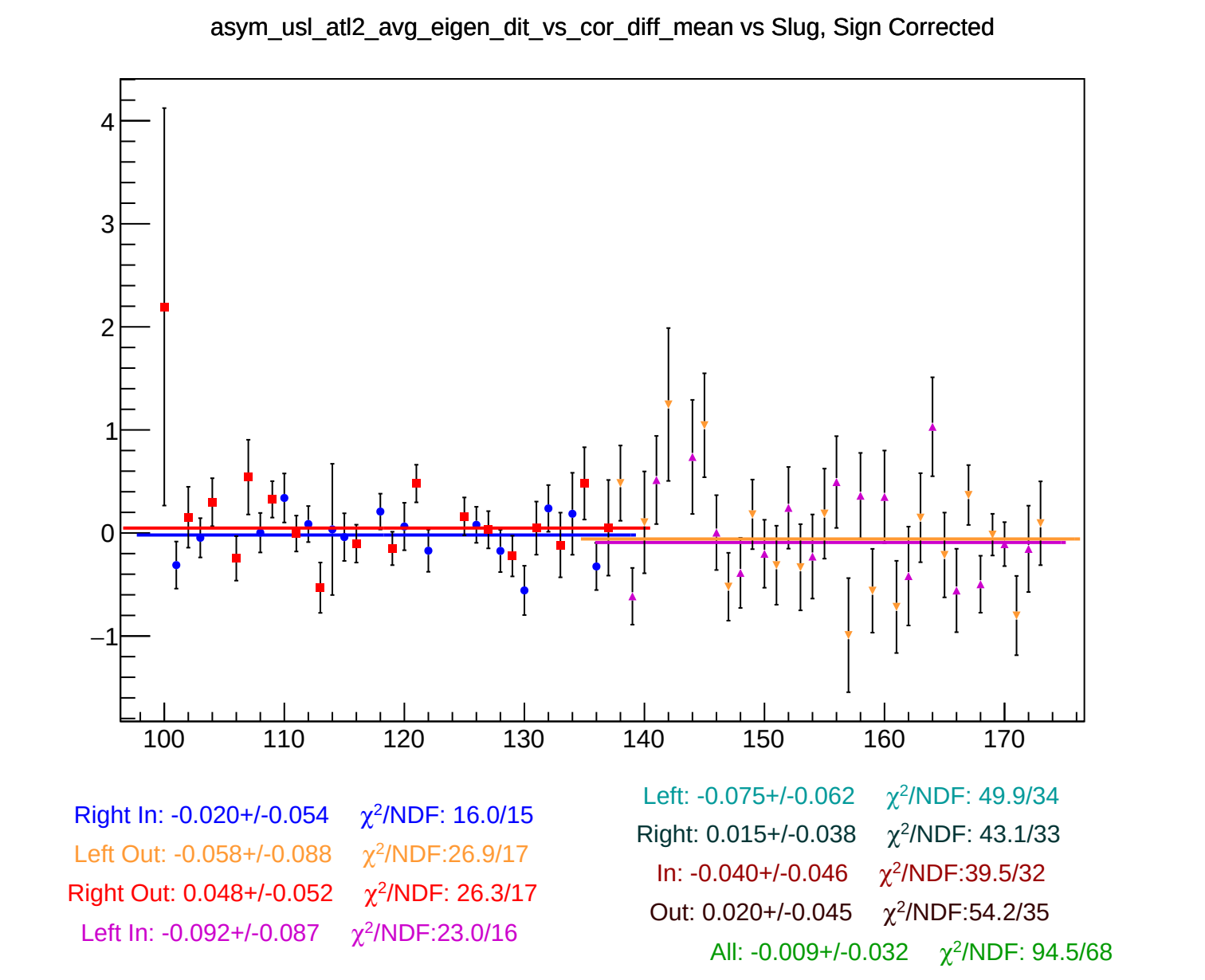
Left: 0.004+/-0.000 χ^2/NDF: 20215937.4/34

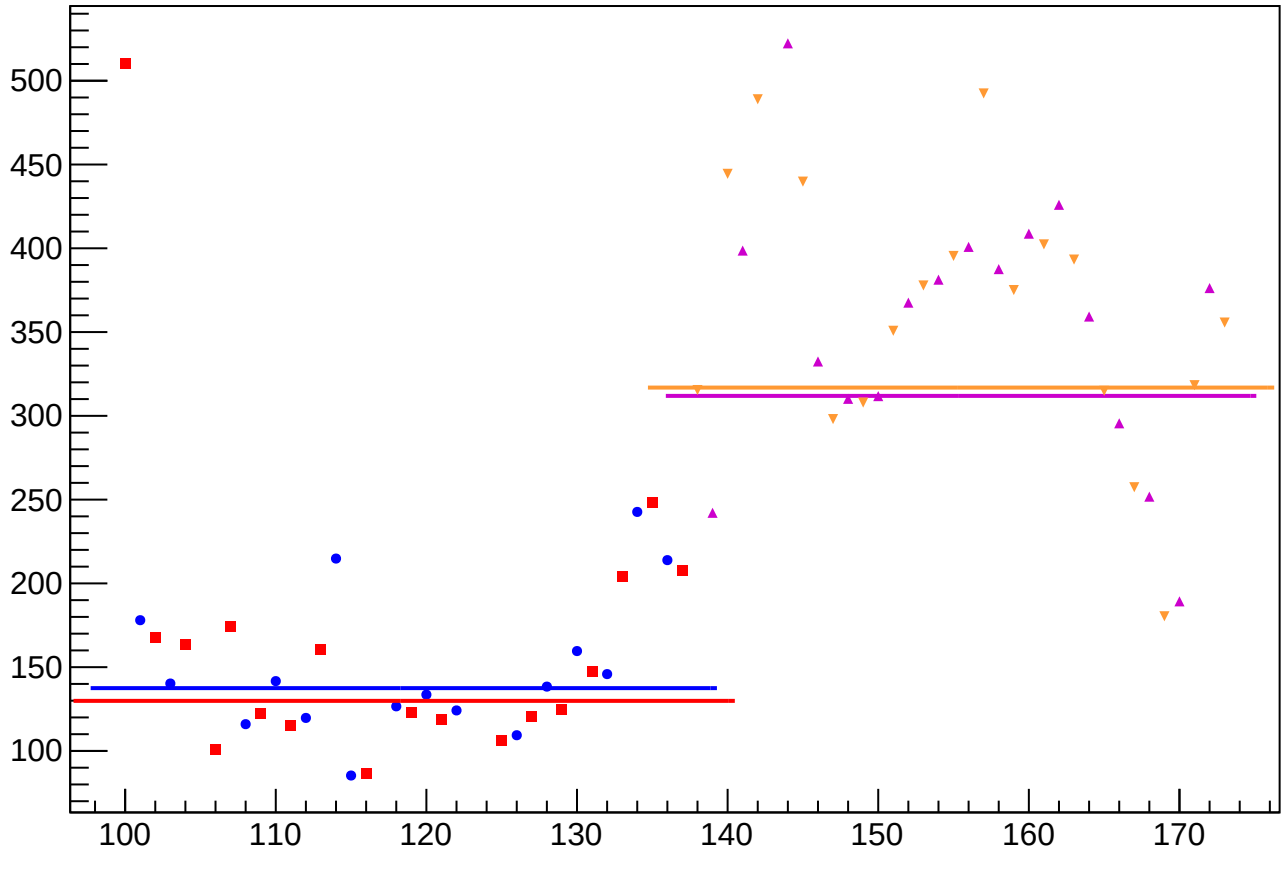
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.005+/-0.000 χ^2/NDF:13175830.5/32

Out: 0.004+/-0.000 χ^2/NDF:16406202.0/35

All: 0.005+/-0.000 χ^2/NDF: 29854707.6/68


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: -0.020+/-0.054 χ²/NDF: 16.0/15
Left Out: -0.058+/-0.088 χ²/NDF:26.9/17
Right Out: 0.048+/-0.052 χ²/NDF: 26.3/17
Left In: -0.092+/-0.087 χ²/NDF:23.0/16
Left: -0.075+/-0.062 χ²/NDF: 49.9/34
Right: 0.015+/-0.038 χ²/NDF: 43.1/33
In: -0.040+/-0.046 χ²/NDF:39.5/32
Out: 0.020+/-0.045 χ²/NDF:54.2/35
All: -0.009+/-0.032 χ²/NDF: 94.5/68



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 316.871+/-0.063 χ^2/NDF:1881486.7/17

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 311.913+/-0.062 χ^2/NDF:1781968.6/16

Left: 314.361+/-0.044 χ^2/NDF: 3666638.7/34

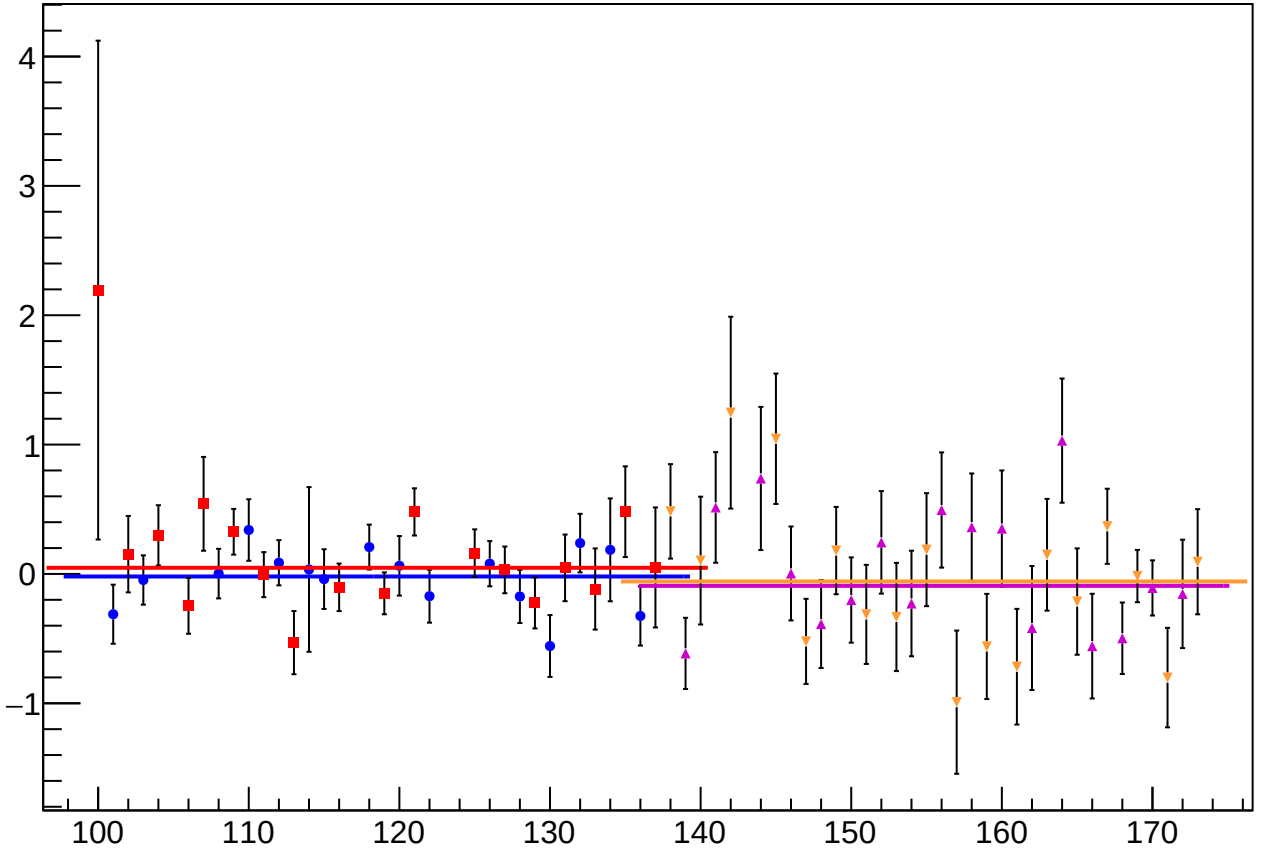
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 186.004+/-0.033 χ^2/NDF:8234348.4/32

Out: 178.599+/-0.032 χ^2/NDF:9326097.5/35

All: 182.227+/-0.023 χ^2/NDF: 17586814.3/68

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: -0.058+/-0.088 χ^2/NDF:26.9/17

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.092+/-0.087 χ^2/NDF:23.0/16

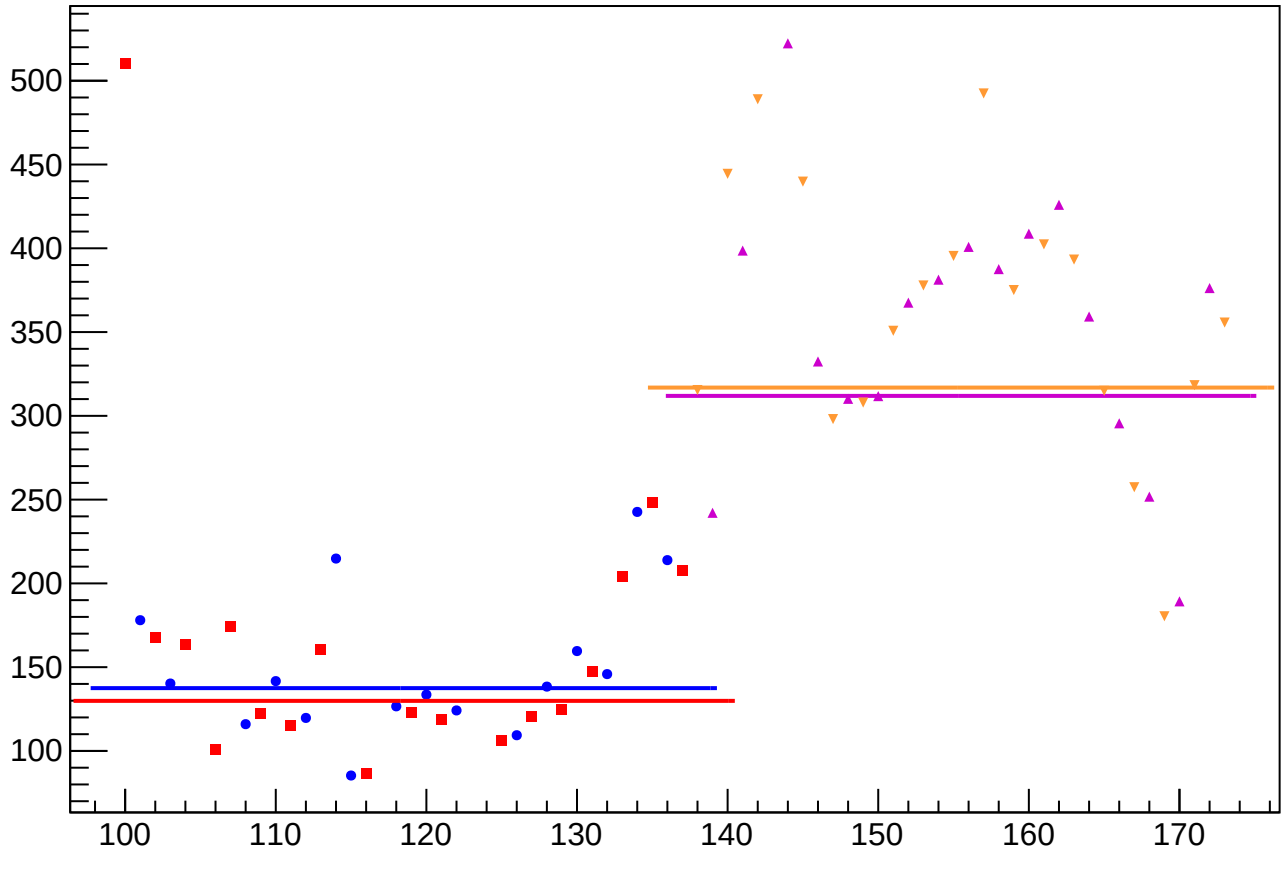
Left: -0.075+/-0.062 χ^2/NDF: 49.9/34

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.040+/-0.046 χ^2/NDF:39.5/32

Out: 0.020+/-0.045 χ^2/NDF:54.2/35

All: -0.009+/-0.032 χ^2/NDF: 94.5/68



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 316.871+/-0.063 χ^2/NDF:1881486.7/17

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 311.913+/-0.062 χ^2/NDF:1781968.6/16

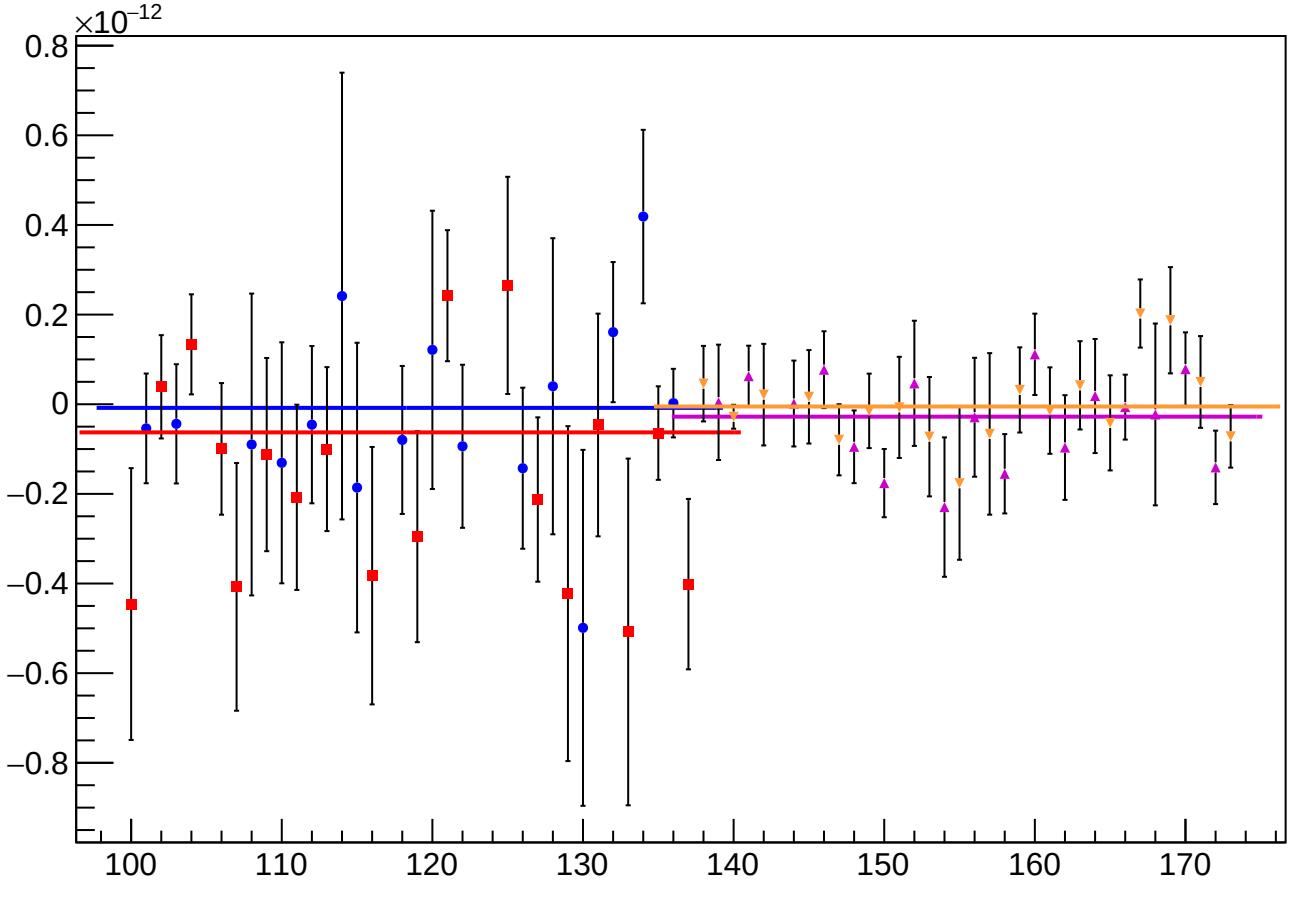
Left: 314.361+/-0.044 χ^2/NDF: 3666638.7/34

Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 186.004+/-0.033 χ^2/NDF:8234348.4/32

Out: 178.599+/-0.032 χ^2/NDF:9326097.5/35

All: 182.227+/-0.023 χ^2/NDF: 17586814.3/68



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/17

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: -0.000+/-0.000 χ^2/NDF:18.4/16

Left: -0.000+/-0.000 χ^2/NDF: 34.3/34

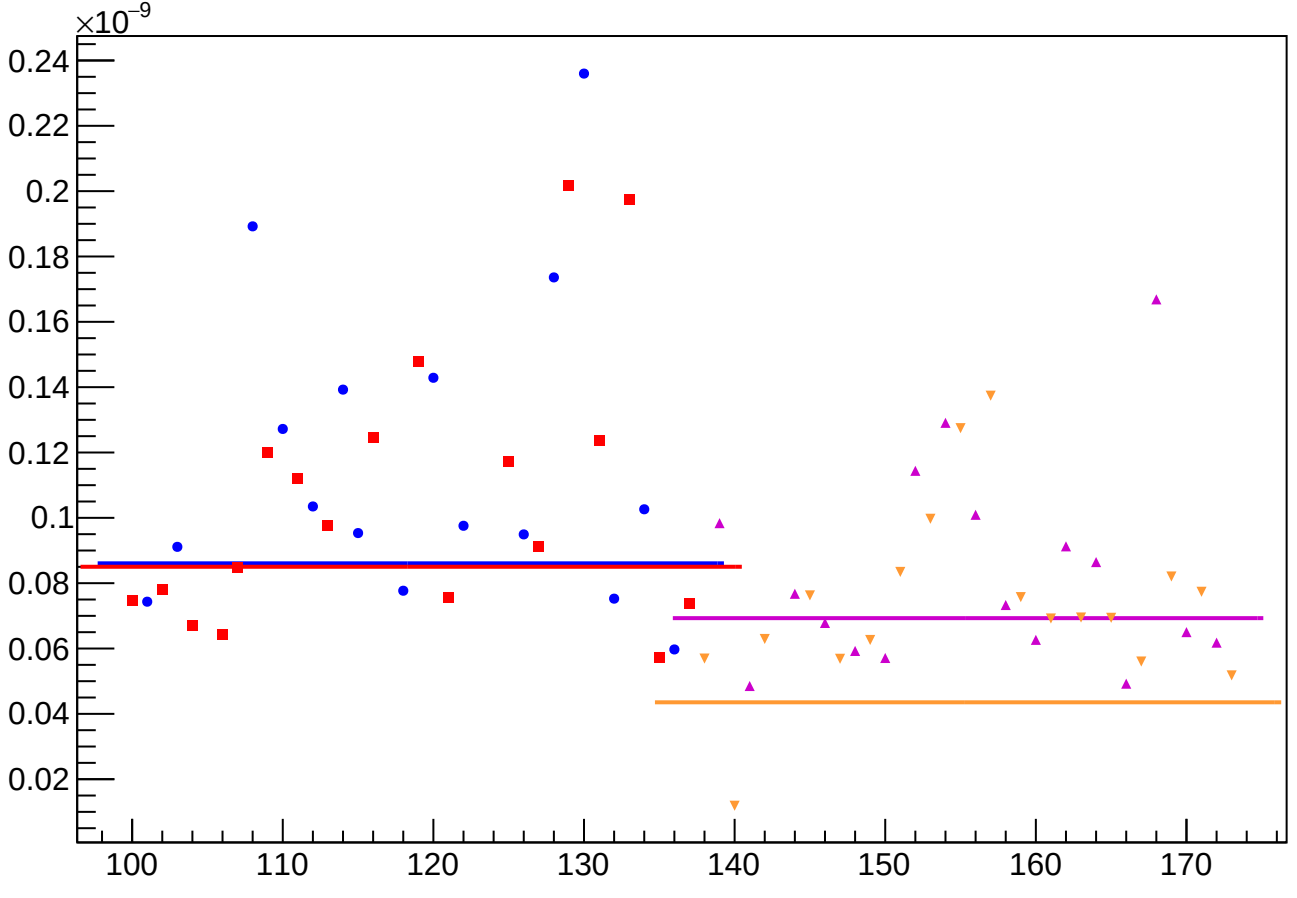
Right: -0.000+/-0.000 χ^2/NDF: 32.8/33

In: -0.000+/-0.000 χ^2/NDF:28.4/32

Out: -0.000+/-0.000 χ^2/NDF:39.0/35

All: -0.000+/-0.000 χ^2/NDF: 67.6/68

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:6056825.3/17

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:1762210.1/16

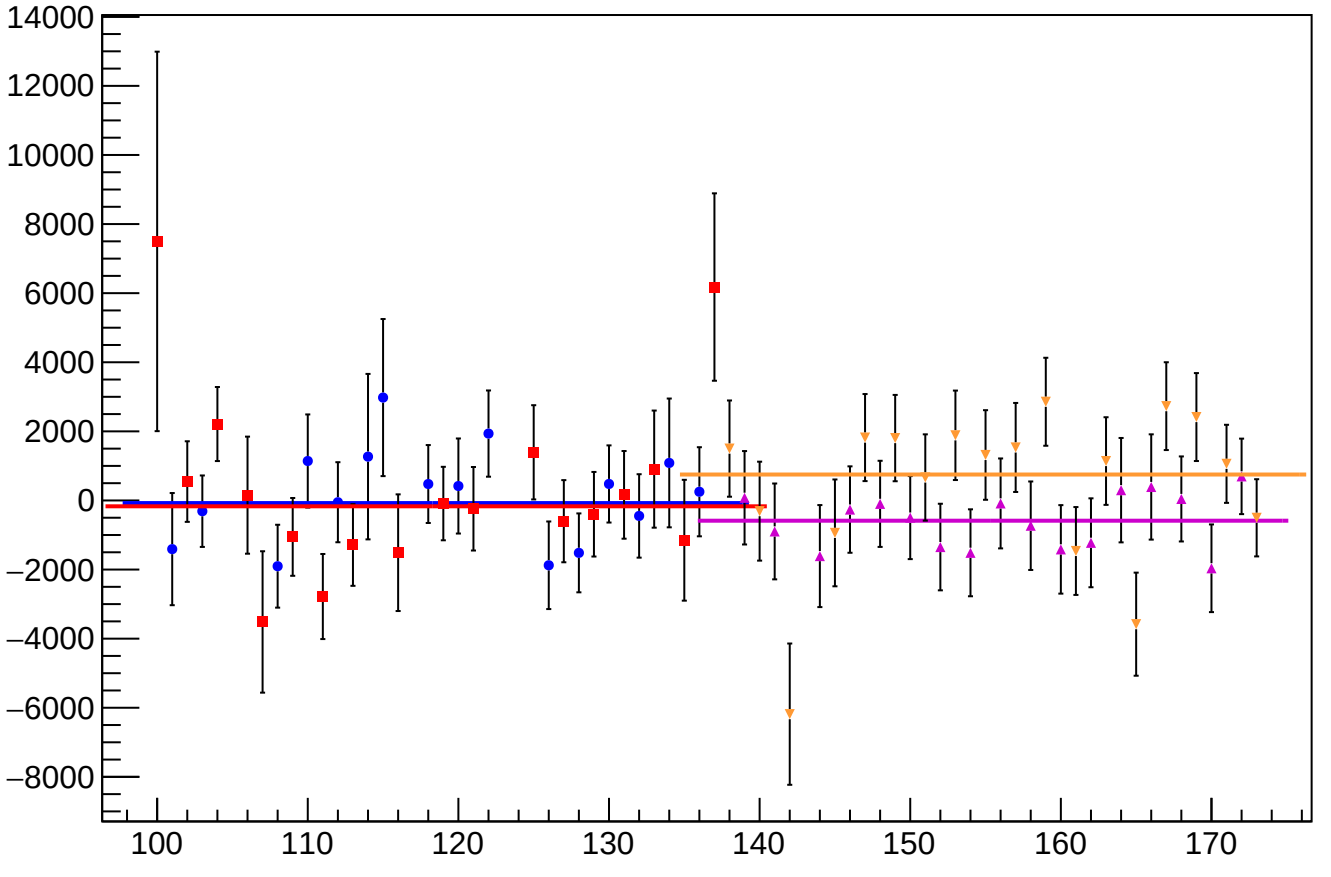
Left: 0.000+/-0.000 χ^2/NDF: 9393048.4/34

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:3075675.1/32

Out: 0.000+/-0.000 χ^2/NDF:8713788.7/35

All: 0.000+/-0.000 χ^2/NDF: 13384422.1/68



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 750.779+/-308.697 χ^2/NDF:36.1/17

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -586.053+/-313.560 χ^2/NDF:6.3/16

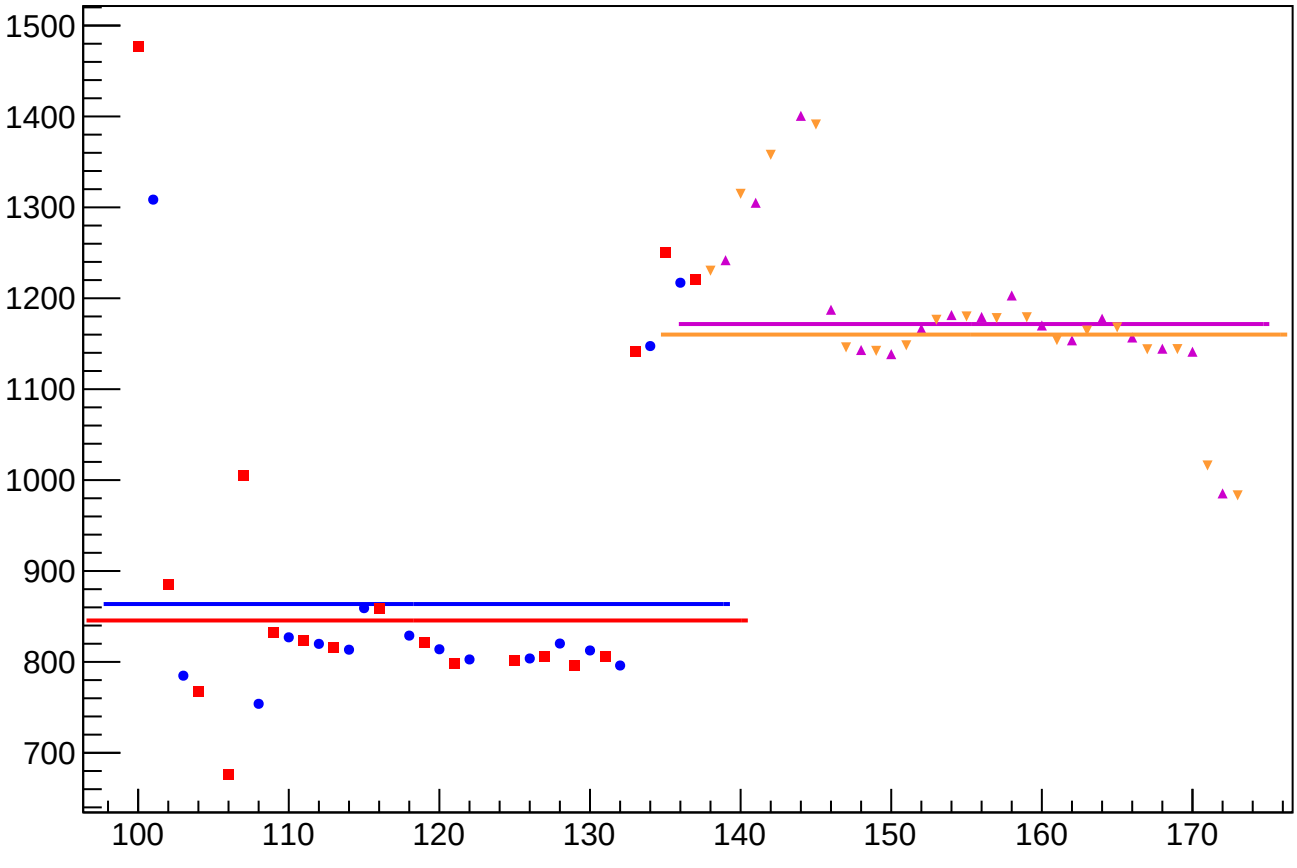
Left: 92.809+/-219.981 χ^2/NDF: 51.6/34

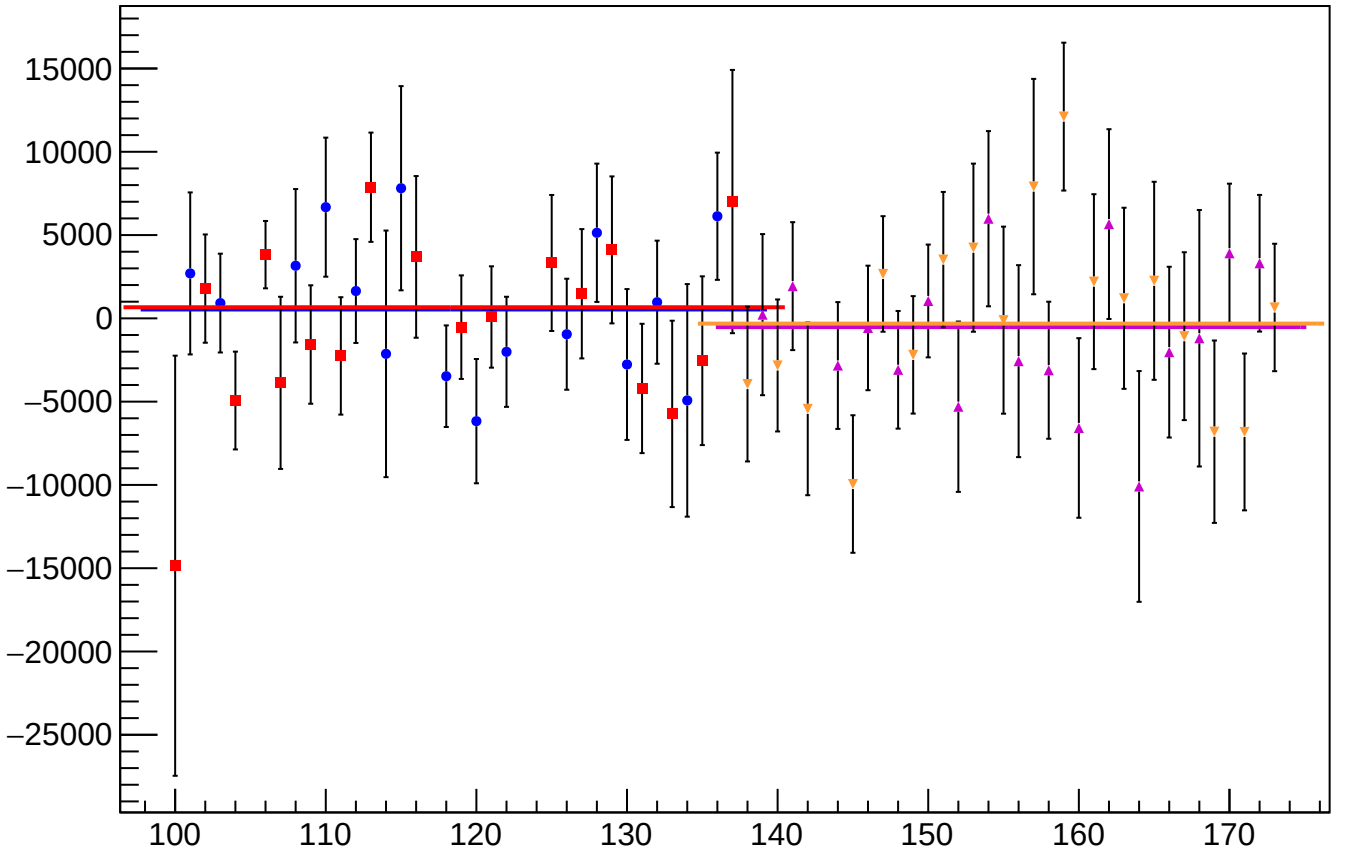
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -341.094+/-226.066 χ^2/NDF:20.9/32

Out: 309.869+/-222.779 χ^2/NDF:64.7/35

All: -10.846+/-158.678 χ^2/NDF: 89.8/68


reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected
1500
1400
1300
1200
1100
1000
900
800
700
100
110
120
130
140
150
160
170
Right In: 863.661+/-0.231 χ²/NDF: 407498.8/15
Left Out: 1160.077+/-0.218 χ²/NDF:177703.3/17
Right Out: 845.579+/-0.225 χ²/NDF: 307774.6/17
Left In: 1171.655+/-0.222 χ²/NDF:137206.9/16
Left: 1165.775+/-0.156 χ²/NDF: 316295.0/34
Right: 854.385+/-0.161 χ²/NDF: 718425.8/33
In: 1023.754+/-0.160 χ²/NDF:1471330.2/32
Out: 1007.421+/-0.157 χ²/NDF:1493095.0/35
All: 1015.419+/-0.112 χ²/NDF: 2969752.5/68



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -314.191+/-1078.164 χ^2/NDF:23.5/17

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: -523.057+/-1091.189 χ^2/NDF:10.9/16

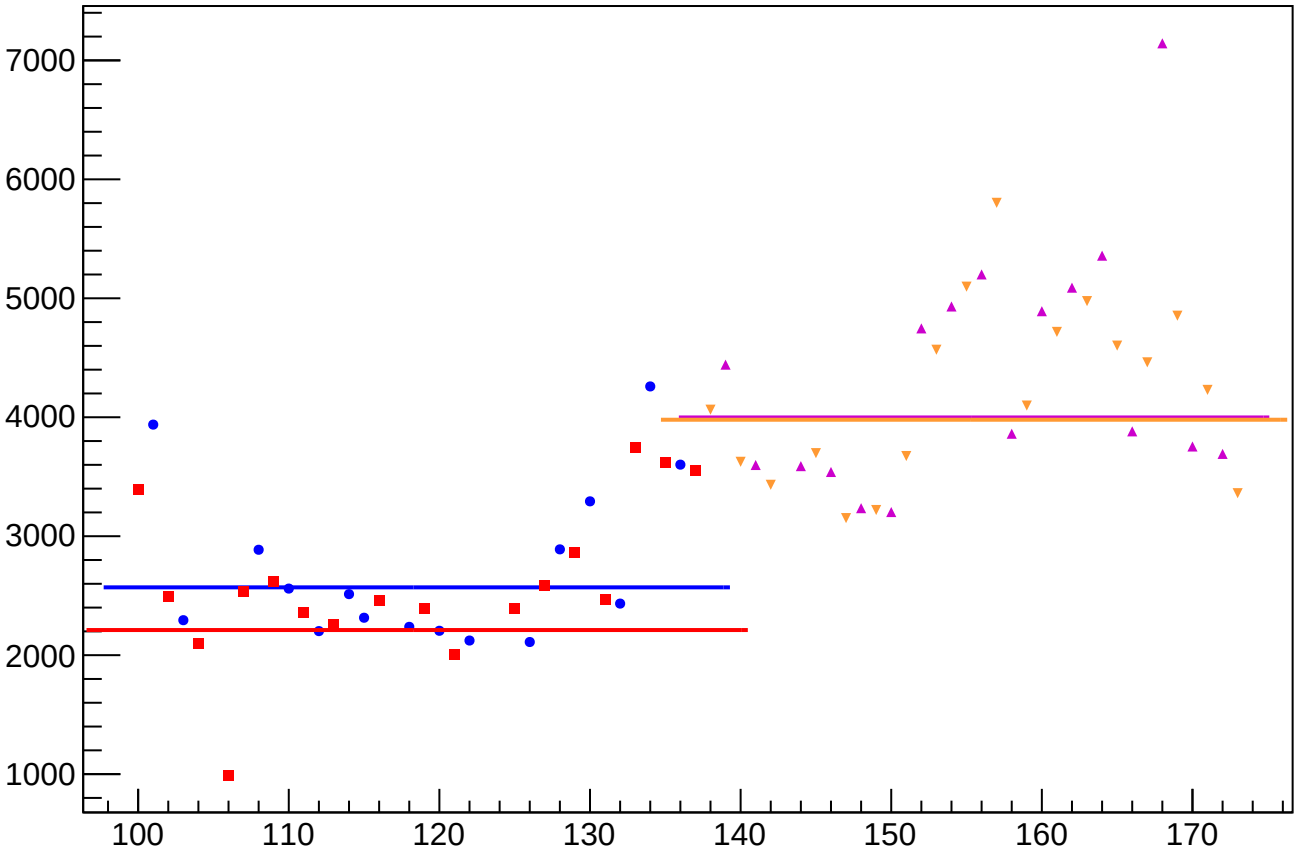
Left: -417.370+/-766.940 χ^2/NDF: 34.4/34

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 61.648+/-729.647 χ^2/NDF:26.1/32

Out: 282.094+/-674.683 χ^2/NDF:44.0/35

All: 180.486+/-495.366 χ^2/NDF: 70.1/68



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3979.161+/-0.762 χ^2/NDF:788767.5/17

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3998.315+/-0.772 χ^2/NDF:1048387.1/16

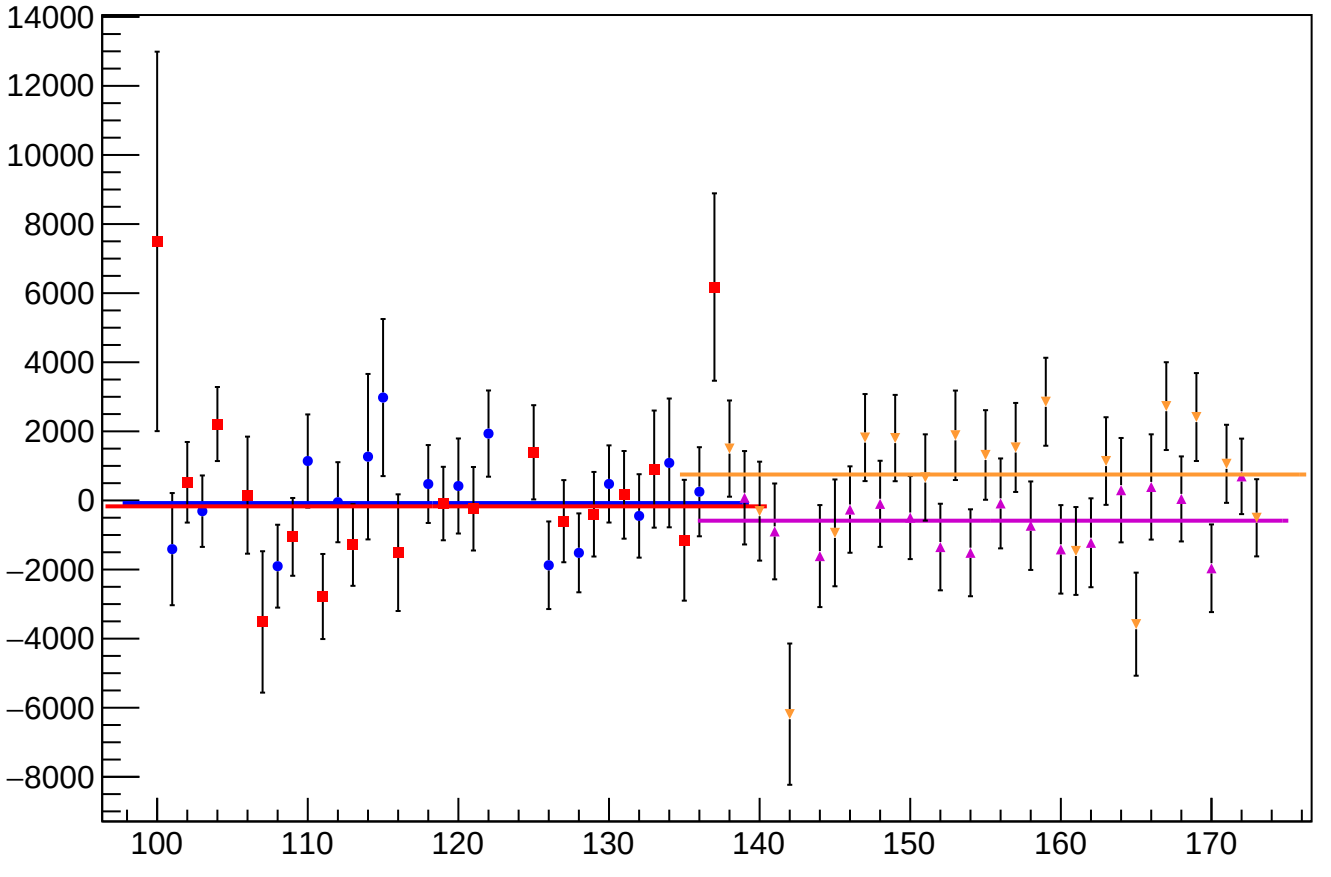
Left: 3988.623+/-0.542 χ^2/NDF: 1837466.4/34

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 3208.704+/-0.516 χ^2/NDF:3605067.2/32

Out: 2903.556+/-0.477 χ^2/NDF:5324522.0/35

All: 3044.205+/-0.350 χ^2/NDF: 9118162.7/68



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 750.780+/-308.697 χ^2/NDF:36.1/17

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -586.048+/-313.560 χ^2/NDF:6.3/16

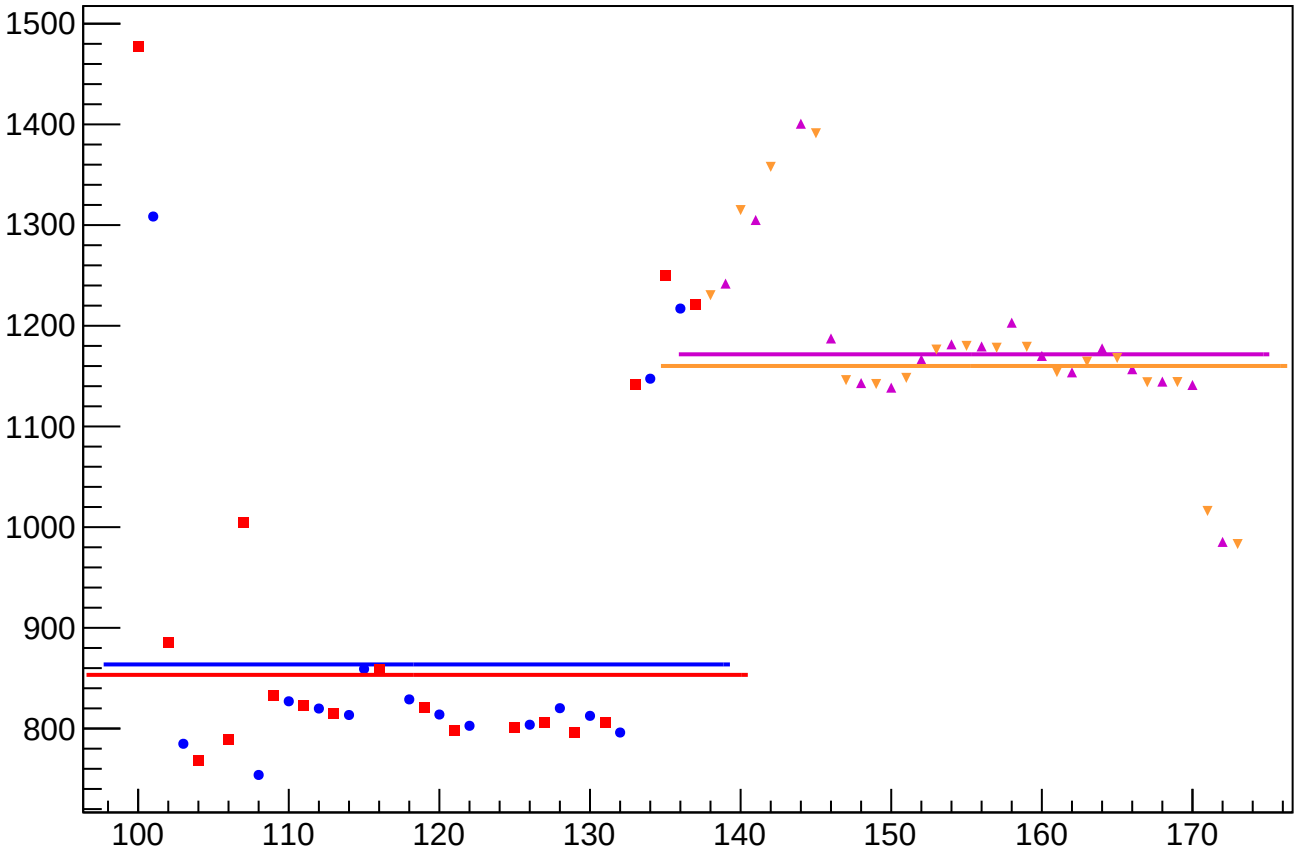
Left: 92.812+/-219.981 χ^2/NDF: 51.6/34

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -341.128+/-226.066 χ^2/NDF:20.9/32

Out: 309.092+/-222.781 χ^2/NDF:64.7/35

All: -11.260+/-158.678 χ^2/NDF: 89.8/68



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1160.077+/-0.218 χ^2/NDF:177703.3/17

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1171.655+/-0.222 χ^2/NDF:137206.9/16

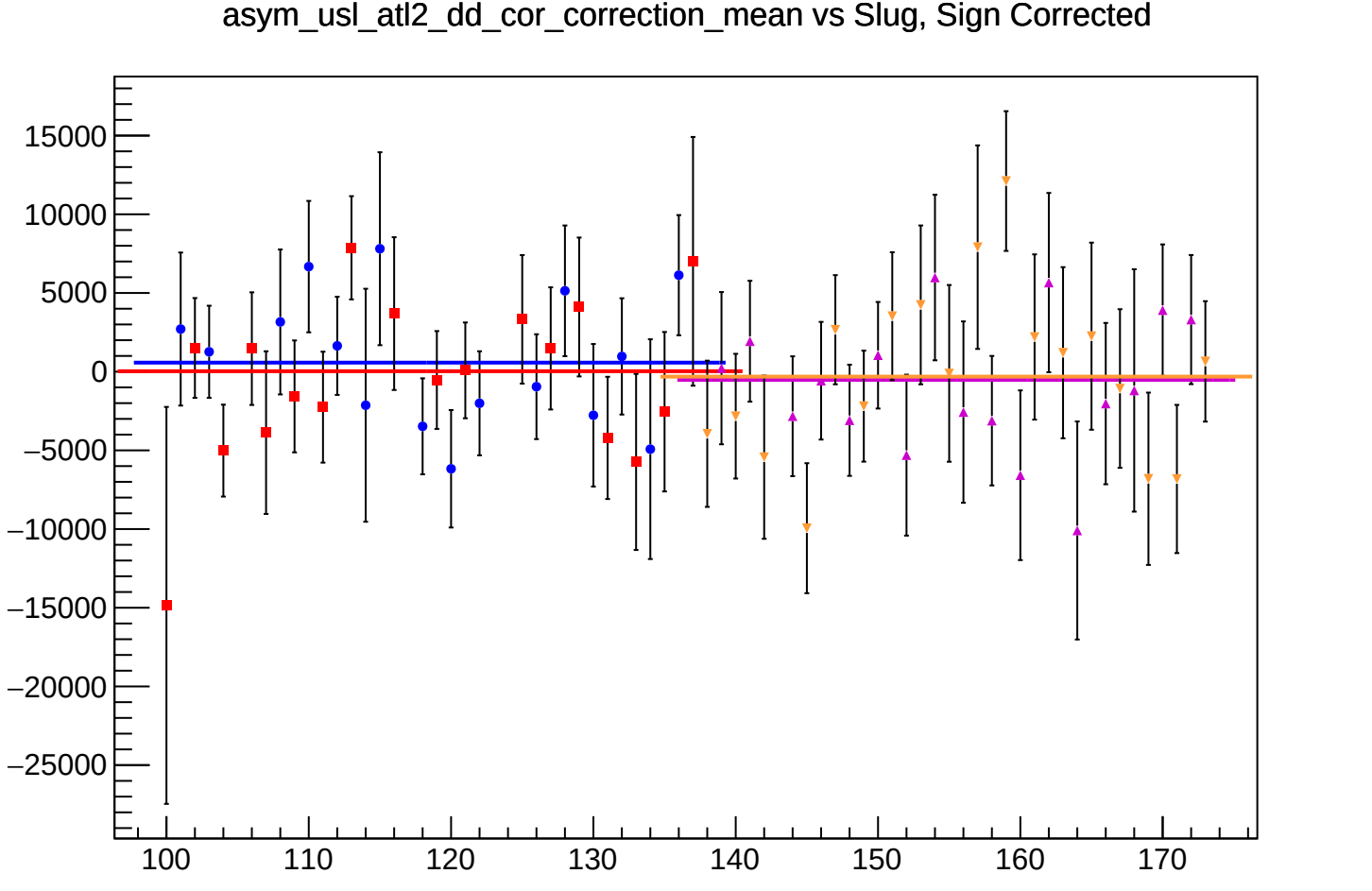
Left: 1165.775+/-0.156 χ^2/NDF: 316295.0/34

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1023.754+/-0.160 χ^2/NDF:1471330.3/32

Out: 1012.278+/-0.157 χ^2/NDF:1404699.1/35

All: 1017.918+/-0.112 χ^2/NDF: 2878650.2/68



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -314.183+/-1078.164 χ^2/NDF:23.5/17

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -523.078+/-1091.188 χ^2/NDF:10.9/16

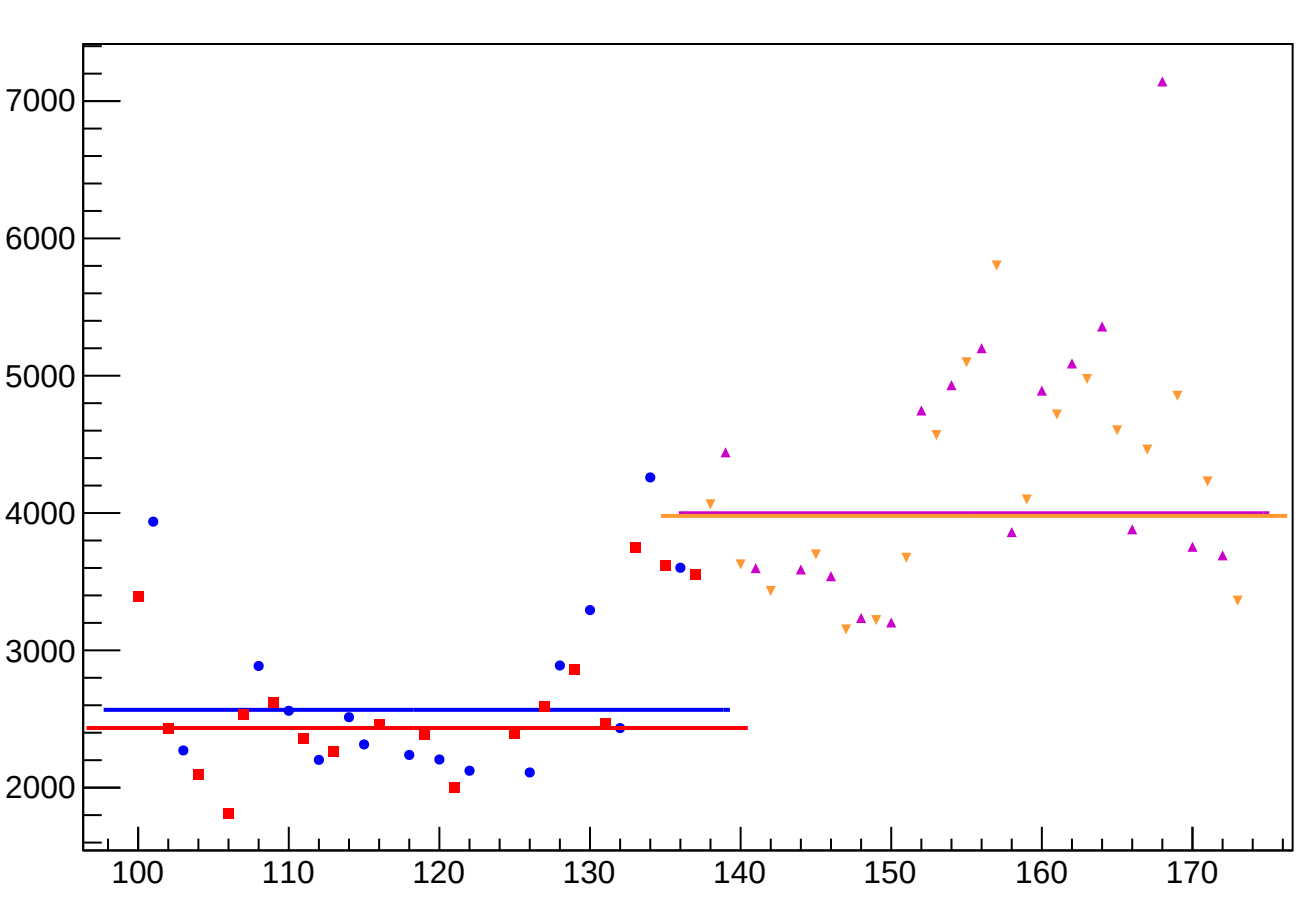
Left: -417.377+/-766.940 χ^2/NDF: 34.4/34

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 84.799+/-729.056 χ^2/NDF:26.2/32

Out: -116.209+/-700.772 χ^2/NDF:40.8/35

All: -19.680+/-505.224 χ^2/NDF: 67.0/68



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3979.162+/-0.762 χ^2/NDF:788763.8/17

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3998.311+/-0.772 χ^2/NDF:1048390.3/16

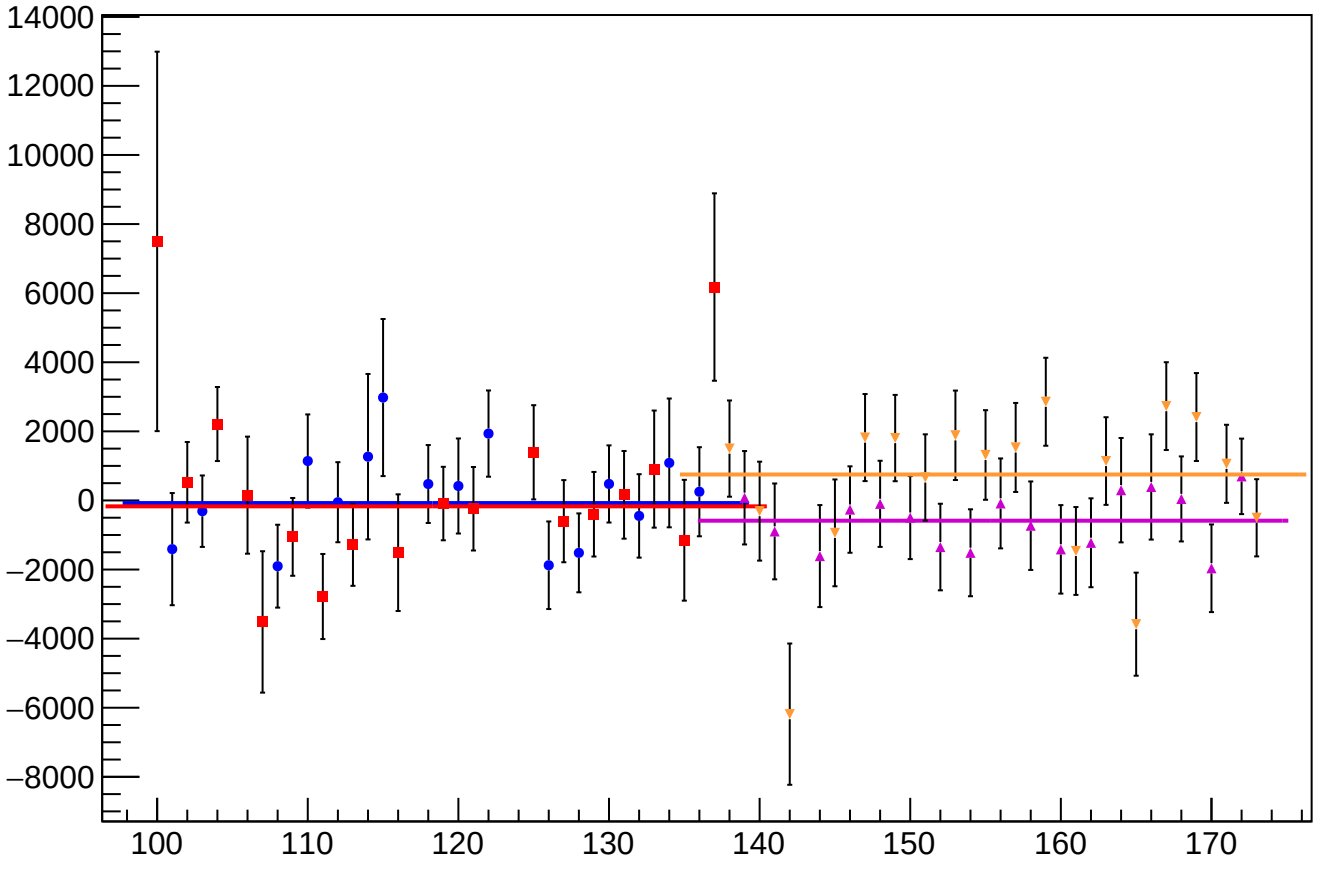
Left: 3988.622+/-0.542 χ^2/NDF: 1837465.7/34

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3205.787+/-0.516 χ^2/NDF:3619979.1/32

Out: 3087.015+/-0.496 χ^2/NDF:3593944.1/35

All: 3144.052+/-0.357 χ^2/NDF: 7241513.1/68



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 750.780+/-308.697 χ^2/NDF:36.1/17

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -586.048+/-313.560 χ^2/NDF:6.3/16

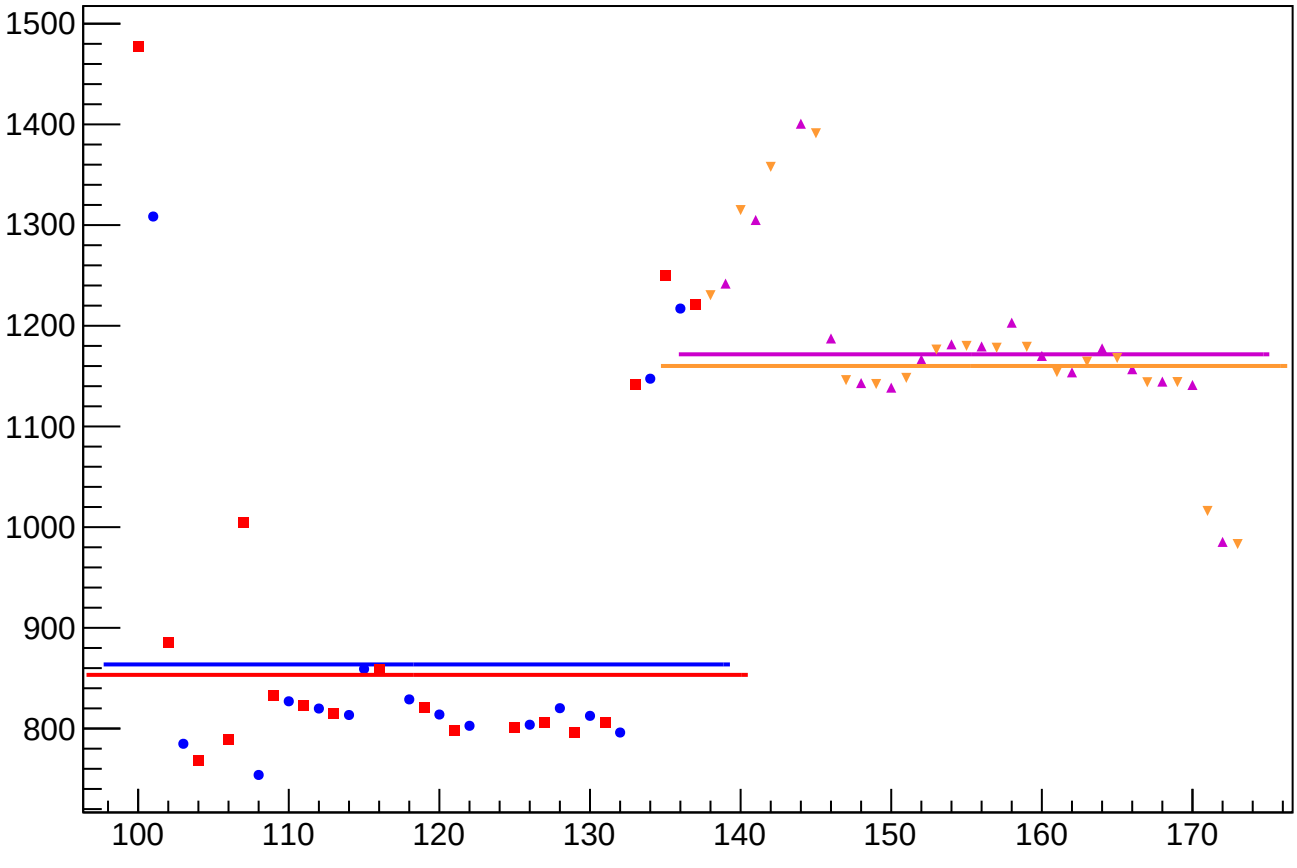
Left: 92.812+/-219.981 χ^2/NDF: 51.6/34

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -341.128+/-226.066 χ^2/NDF:20.9/32

Out: 309.092+/-222.781 χ^2/NDF:64.7/35

All: -11.260+/-158.678 χ^2/NDF: 89.8/68



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1160.077+/-0.218 χ^2/NDF:177703.3/17

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1171.655+/-0.222 χ^2/NDF:137206.9/16

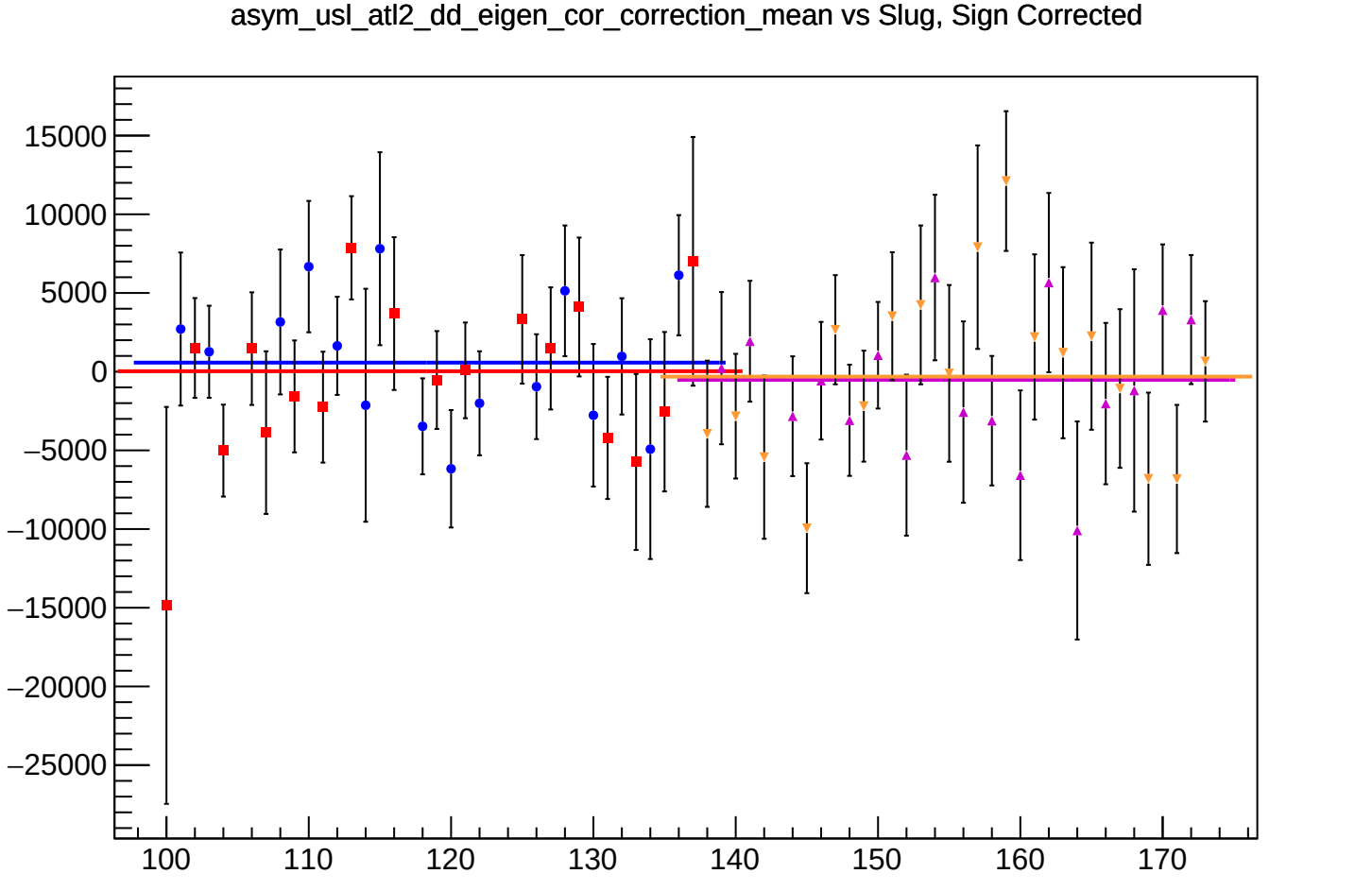
Left: 1165.775+/-0.156 χ^2/NDF: 316295.0/34

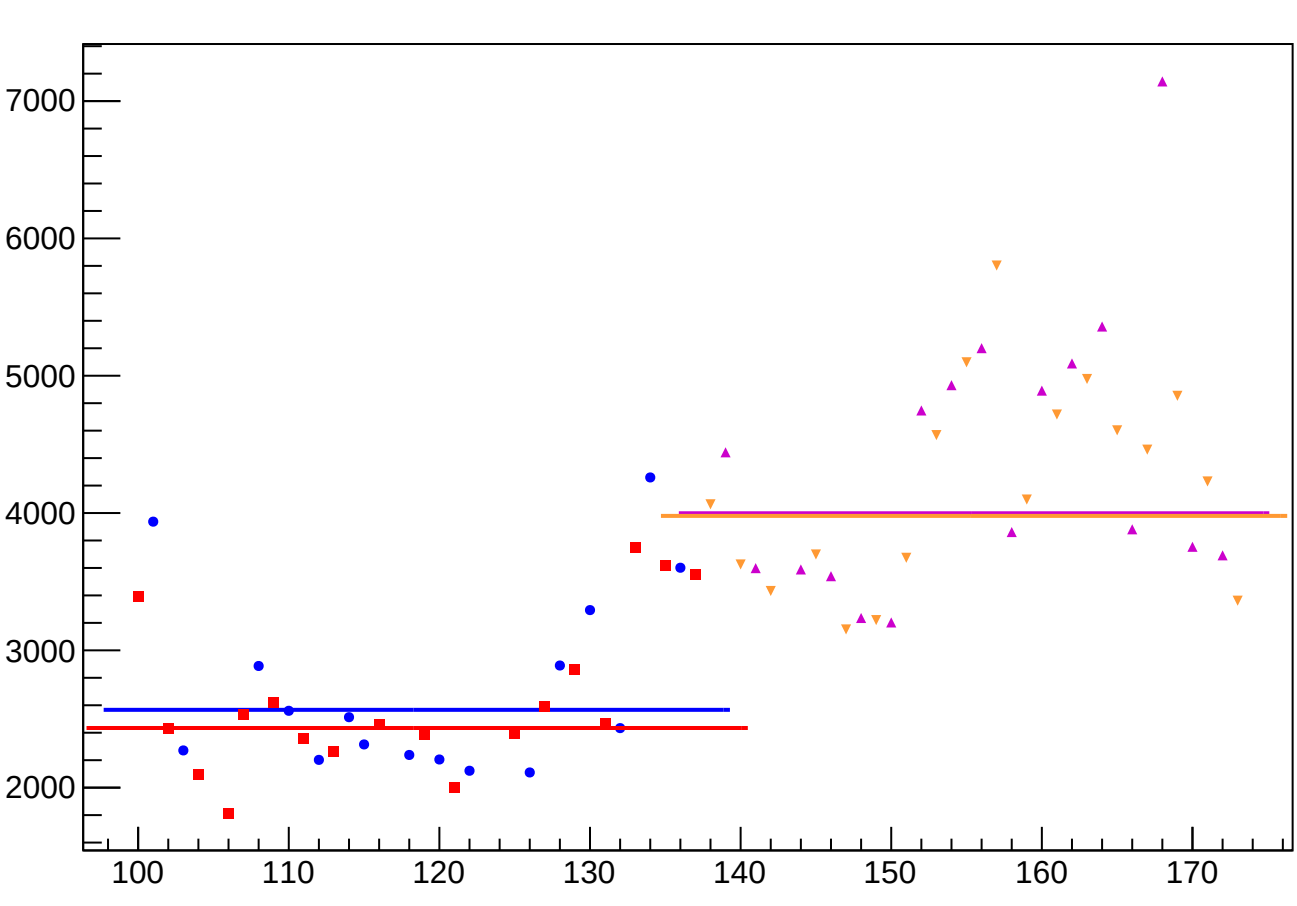
Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1023.754+/-0.160 χ^2/NDF:1471330.3/32

Out: 1012.278+/-0.157 χ^2/NDF:1404699.1/35

All: 1017.918+/-0.112 χ^2/NDF: 2878650.2/68


asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 574.964+/-979.856 χ²/NDF: 14.7/15
Left Out: -314.183+/-1078.164 χ²/NDF:23.5/17
Right Out: 28.604+/-922.115 χ²/NDF: 17.2/17
Left In: -523.078+/-1091.188 χ²/NDF:10.9/16
Left: -417.377+/-766.940 χ²/NDF: 34.4/34
Right: 285.212+/-671.519 χ²/NDF: 32.1/33
In: 84.799+/-729.056 χ²/NDF:26.2/32
Out: -116.209+/-700.772 χ²/NDF:40.8/35
All: -19.680+/-505.224 χ²/NDF: 67.0/68



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3979.162+/-0.762 χ^2/NDF:788763.8/17

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3998.311+/-0.772 χ^2/NDF:1048390.3/16

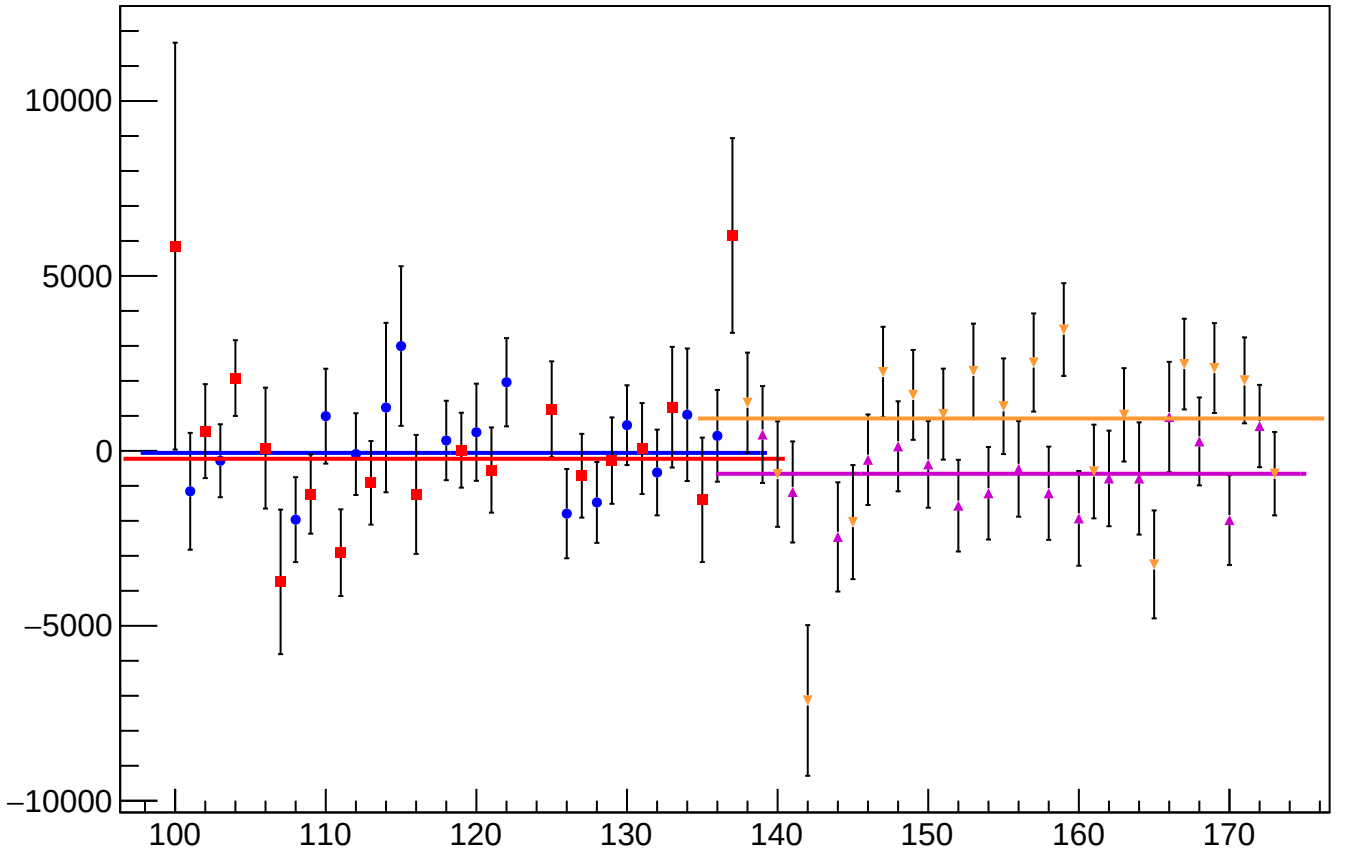
Left: 3988.622+/-0.542 χ^2/NDF: 1837465.7/34

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3205.787+/-0.516 χ^2/NDF:3619979.1/32

Out: 3087.015+/-0.496 χ^2/NDF:3593944.1/35

All: 3144.052+/-0.357 χ^2/NDF: 7241513.1/68



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 926.307+/-323.084 χ^2/NDF:39.7/17

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -654.024+/-327.010 χ^2/NDF:8.4/16

Left: 145.686+/-229.830 χ^2/NDF: 59.9/34

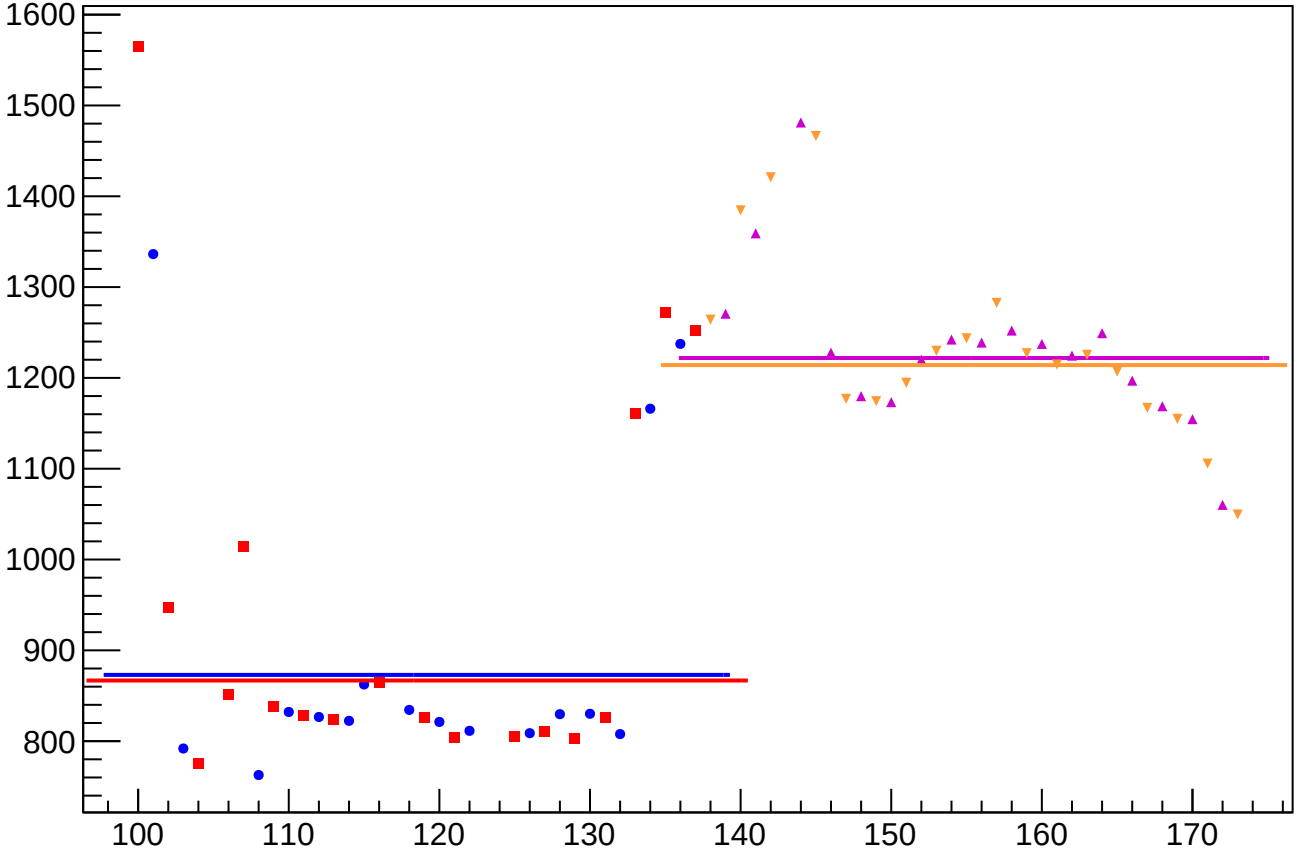
Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -358.411+/-232.311 χ^2/NDF:23.0/32

Out: 358.938+/-230.197 χ^2/NDF:68.9/35

All: 3.543+/-163.516 χ^2/NDF: 96.8/68

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1214.105+/-0.228 χ^2/NDF:165196.5/17

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1221.886+/-0.231 χ^2/NDF:131054.6/16

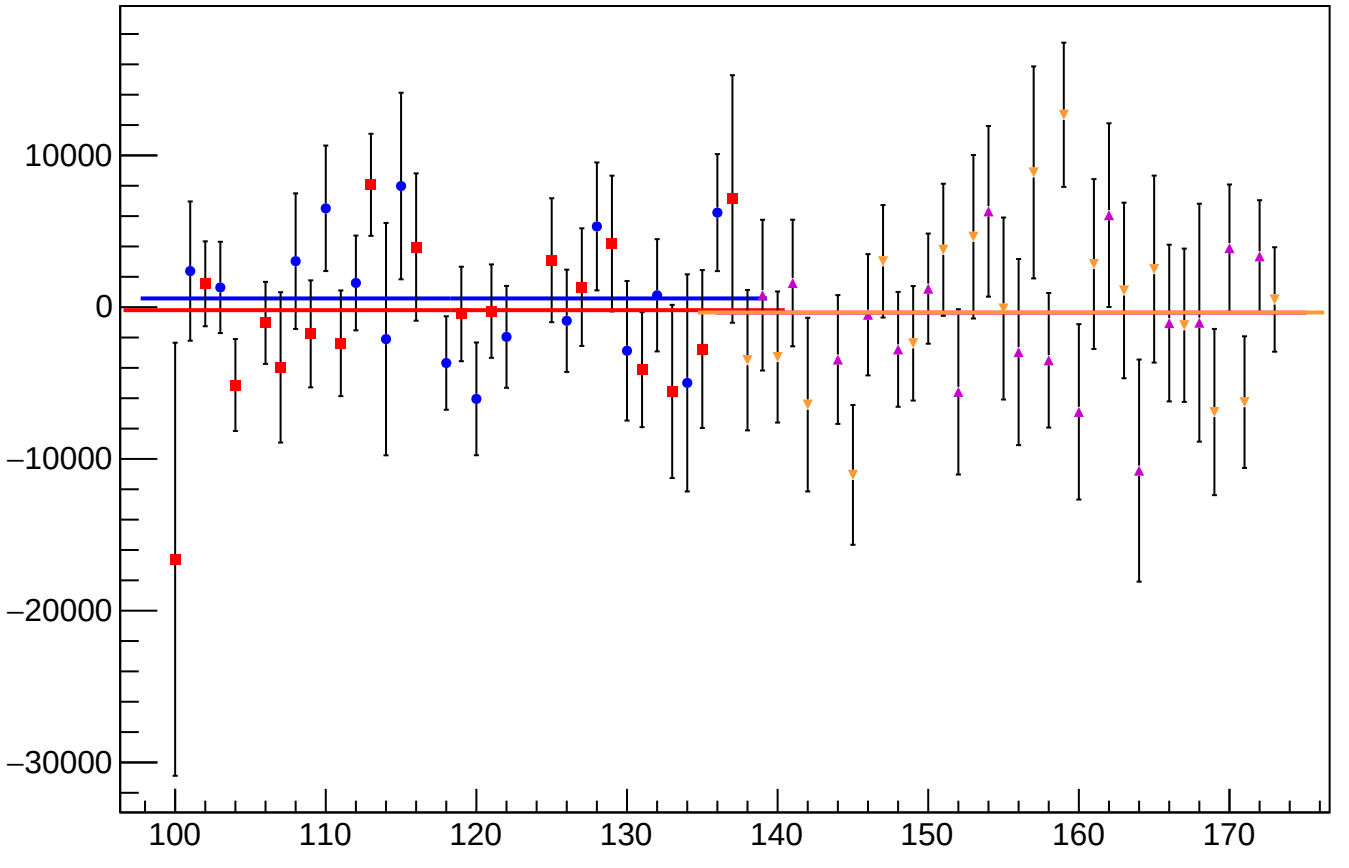
Left: 1217.949+/-0.163 χ^2/NDF: 296824.1/34

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1049.063+/-0.164 χ^2/NDF:1675945.0/32

Out: 1042.926+/-0.163 χ^2/NDF:1594778.3/35

All: 1045.965+/-0.116 χ^2/NDF: 3271427.9/68



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -350.658+/-1118.532 χ^2/NDF:23.6/17

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: -362.111+/-1143.598 χ^2/NDF:10.9/16

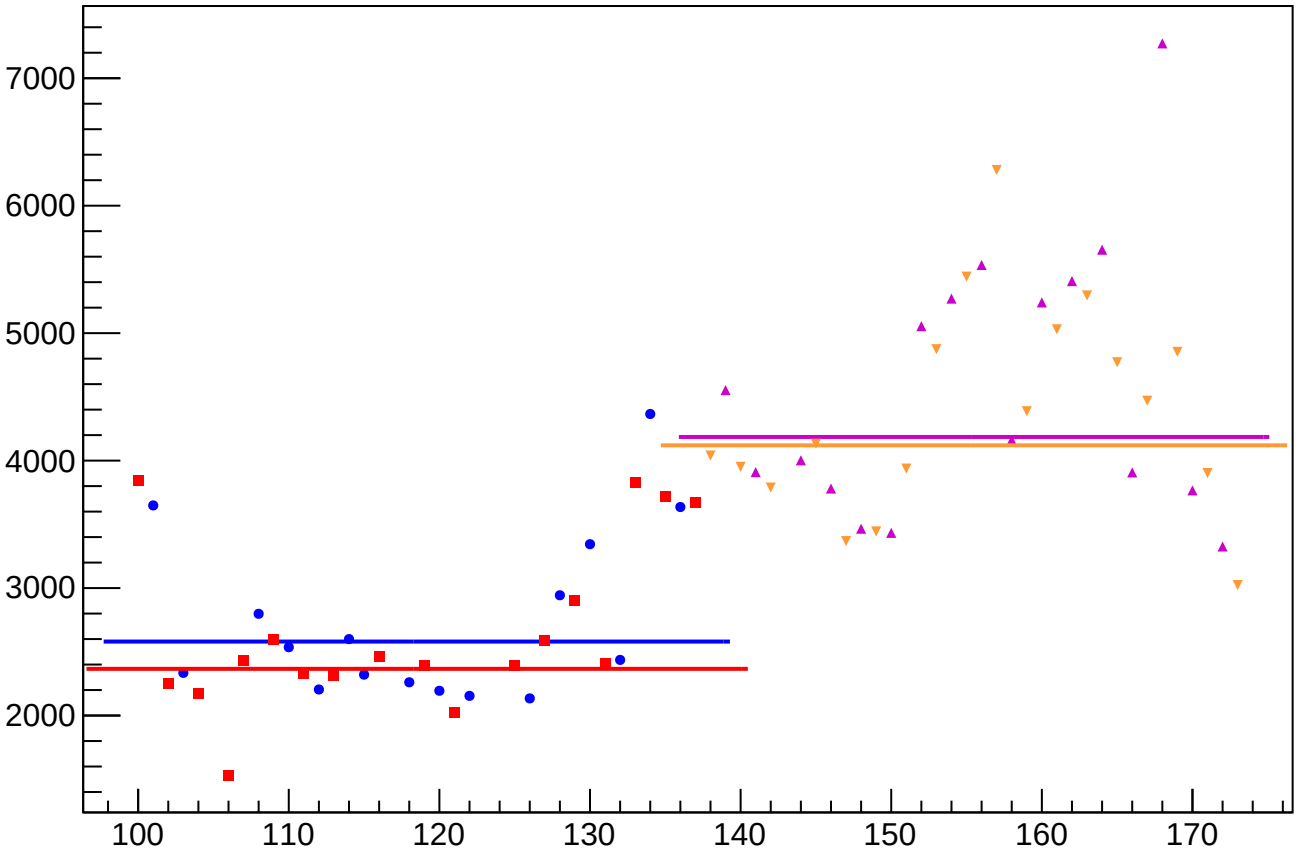
Left: -356.258+/-799.636 χ^2/NDF: 34.5/34

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 176.089+/-746.278 χ^2/NDF:26.0/32

Out: -257.488+/-698.406 χ^2/NDF:40.7/35

All: -55.051+/-509.932 χ^2/NDF: 66.9/68



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4120.015+/-0.791 χ^2/NDF:906036.2/17

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4185.516+/-0.809 χ^2/NDF:1097770.1/16

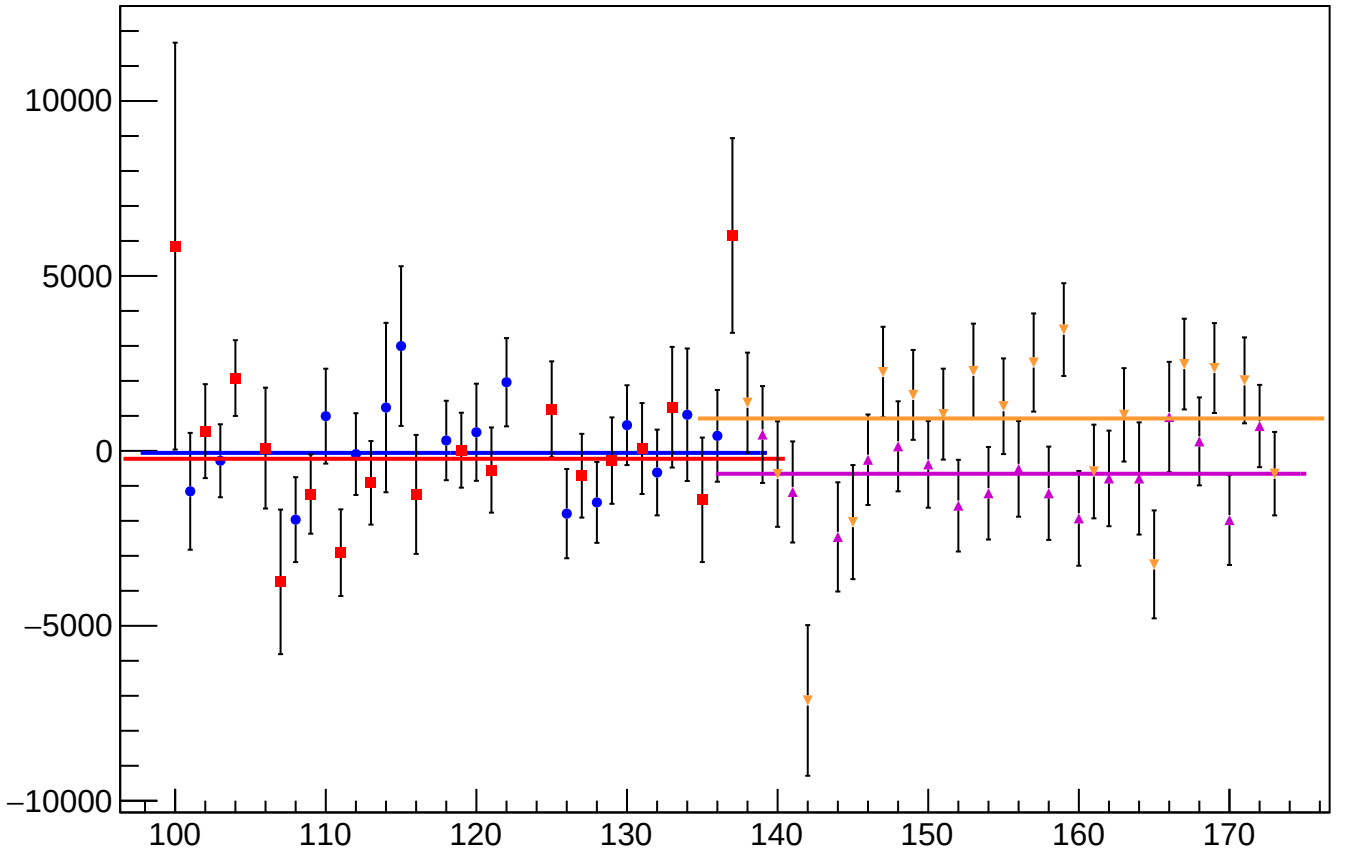
Left: 4152.039+/-0.565 χ^2/NDF: 2007159.6/34

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 3263.921+/-0.528 χ^2/NDF:3977150.5/32

Out: 3050.088+/-0.494 χ^2/NDF:4517021.0/35

All: 3149.927+/-0.361 χ^2/NDF: 8581708.1/68



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 926.306+/-323.084 χ^2/NDF:39.7/17

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -654.022+/-327.010 χ^2/NDF:8.4/16

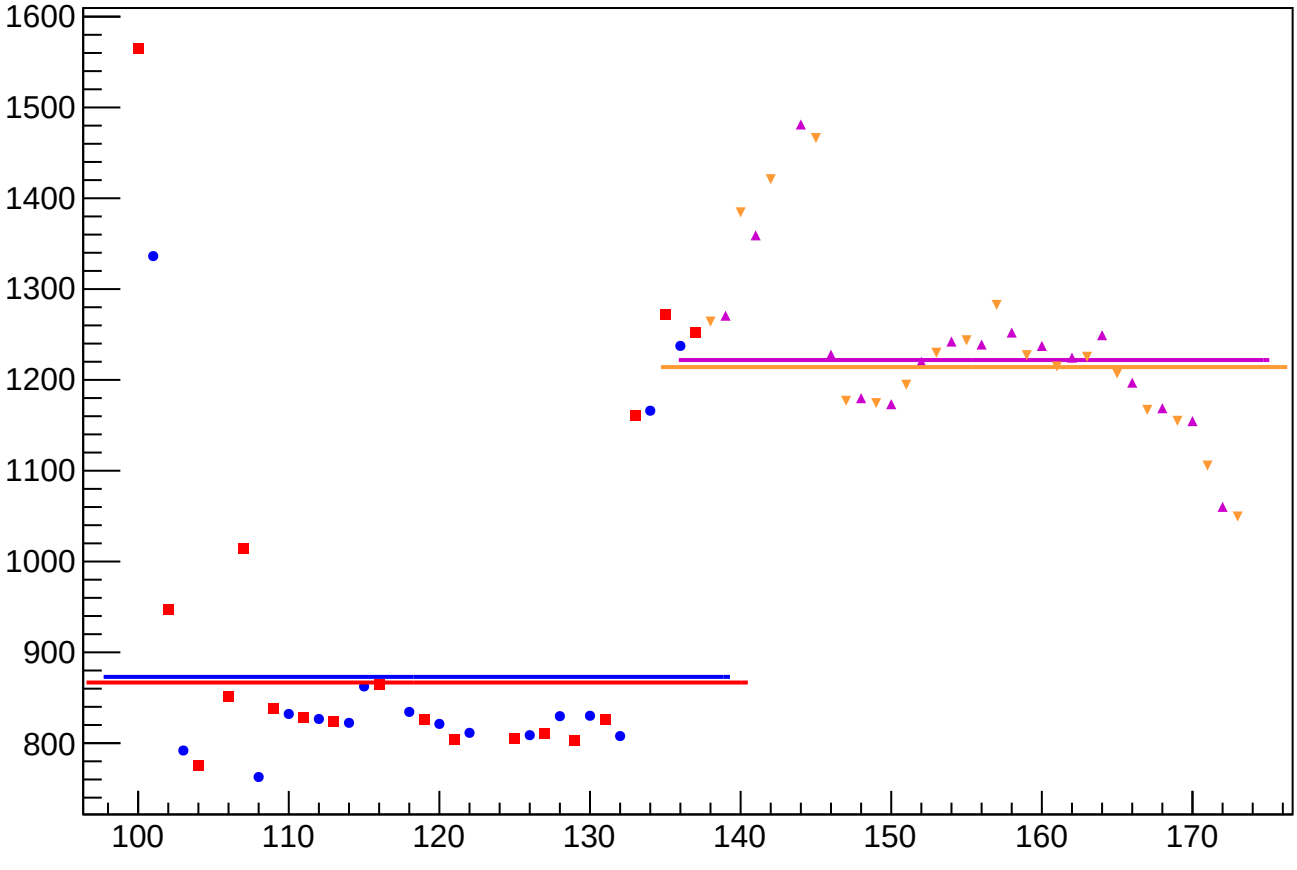
Left: 145.686+/-229.830 χ^2/NDF: 59.9/34

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -358.412+/-232.312 χ^2/NDF:23.0/32

Out: 358.936+/-230.197 χ^2/NDF:68.9/35

All: 3.542+/-163.516 χ^2/NDF: 96.8/68



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1214.105+/-0.228 χ^2/NDF:165203.7/17

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1221.887+/-0.231 χ^2/NDF:131059.3/16

Left: 1217.949+/-0.163 χ^2/NDF: 296836.0/34

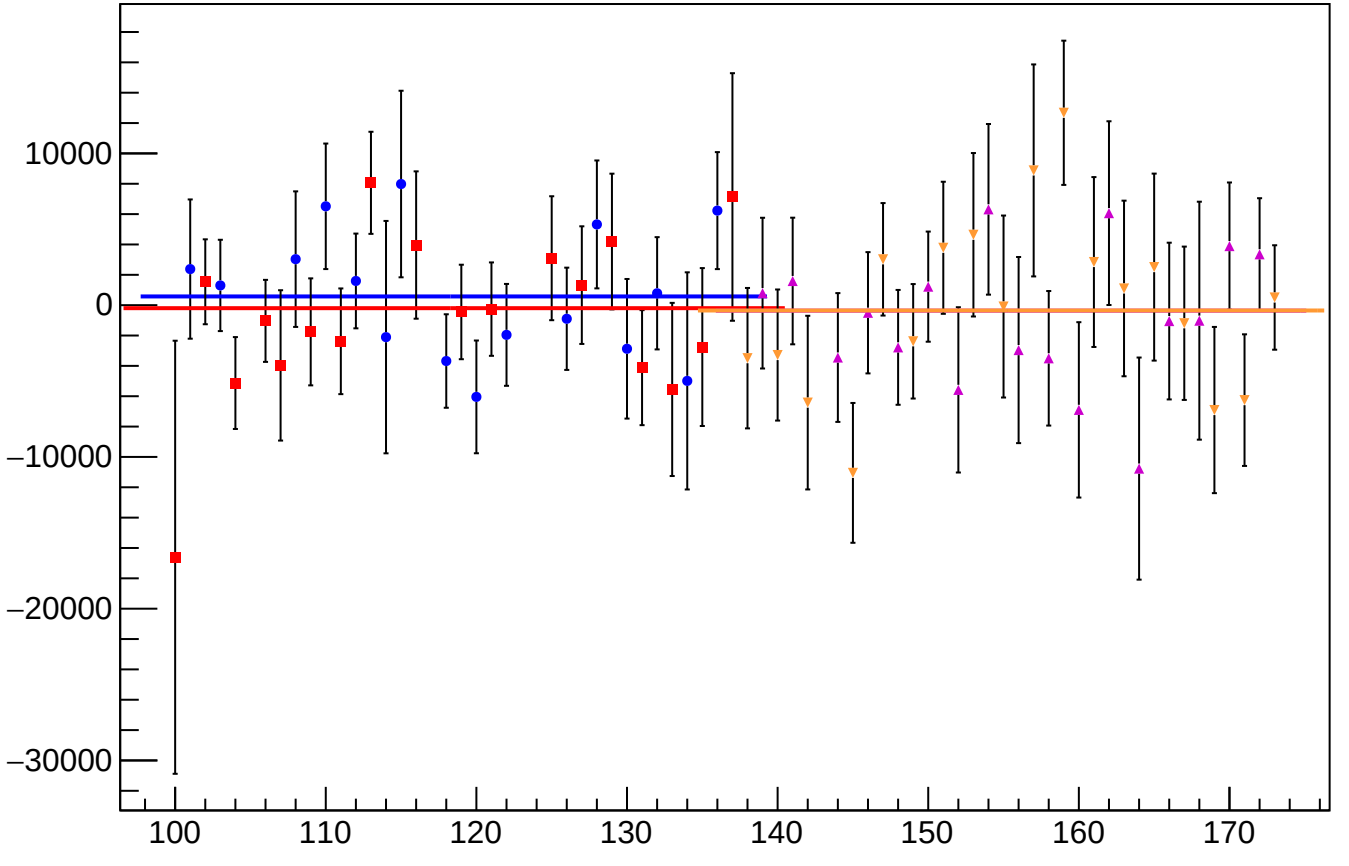
Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1049.063+/-0.164 χ^2/NDF:1675951.9/32

Out: 1042.926+/-0.163 χ^2/NDF:1594785.5/35

All: 1045.965+/-0.116 χ^2/NDF: 3271442.1/68

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: -350.657+/-1118.534 χ^2/NDF:23.6/17

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: -362.112+/-1143.600 χ^2/NDF:10.9/16

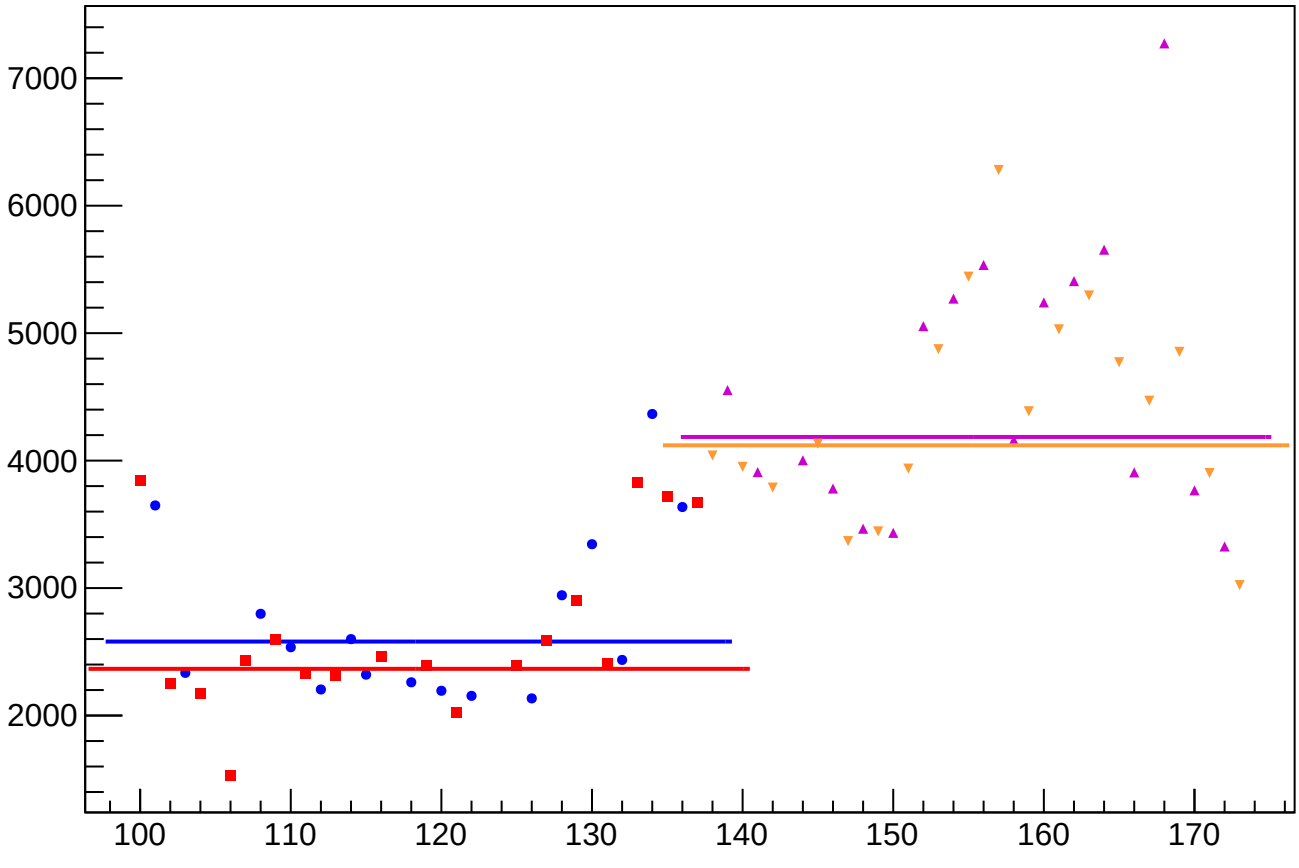
Left: -356.257+/-799.638 χ^2/NDF: 34.5/34

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 176.088+/-746.277 χ^2/NDF:26.0/32

Out: -257.488+/-698.405 χ^2/NDF:40.7/35

All: -55.051+/-509.932 χ^2/NDF: 66.9/68



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4120.023+/-0.791 χ^2/NDF:906034.3/17

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4185.522+/-0.809 χ^2/NDF:1097771.1/16

Left: 4152.047+/-0.565 χ^2/NDF: 2007158.5/34

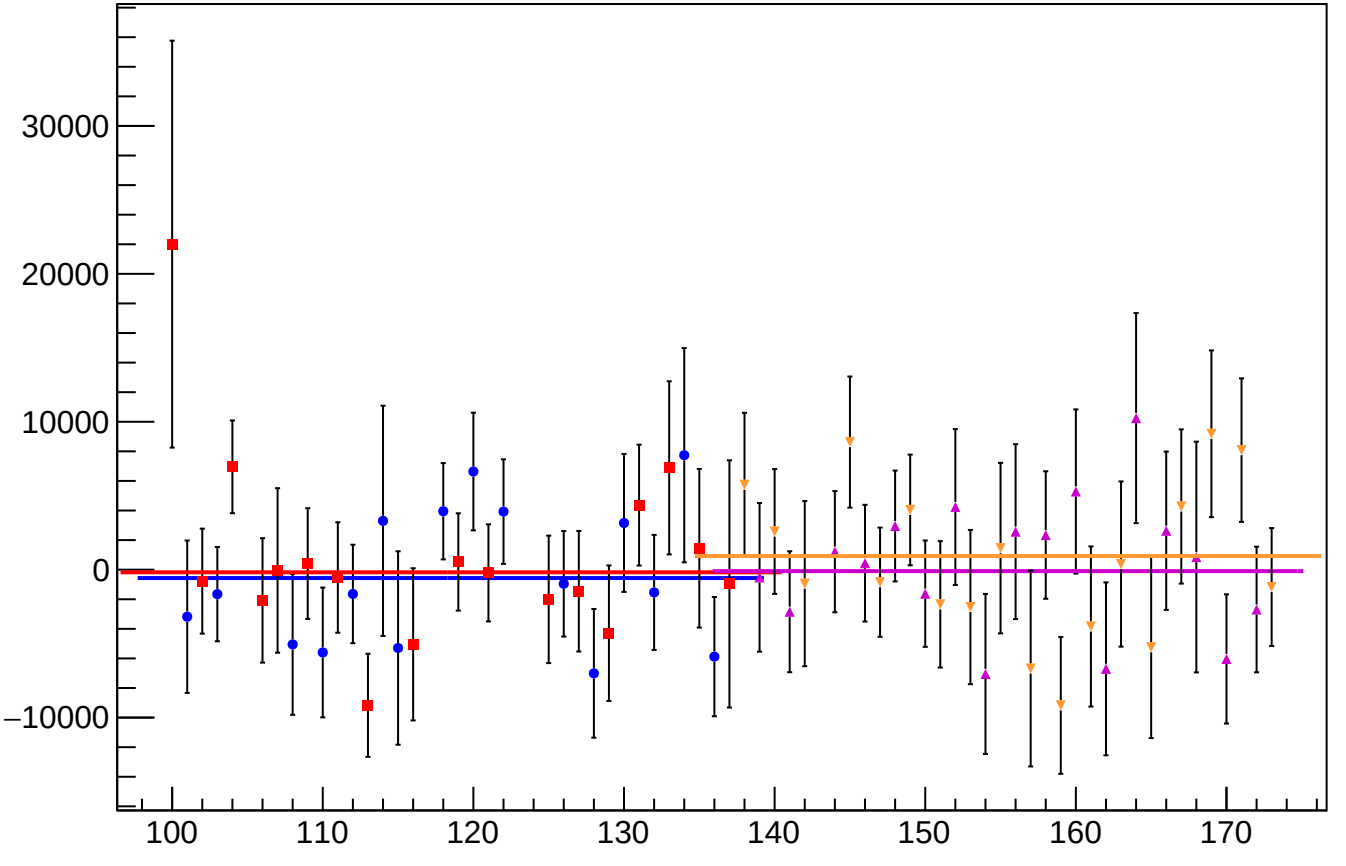
Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 3263.916+/-0.528 χ^2/NDF:3977202.6/32

Out: 3050.083+/-0.494 χ^2/NDF:4517072.8/35

All: 3149.921+/-0.361 χ^2/NDF: 8581811.6/68

asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 921.051+/-1129.516 χ^2/NDF:19.1/17

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: -97.516+/-1143.090 χ^2/NDF:11.1/16

Left: 417.850+/-803.444 χ^2/NDF: 30.6/34

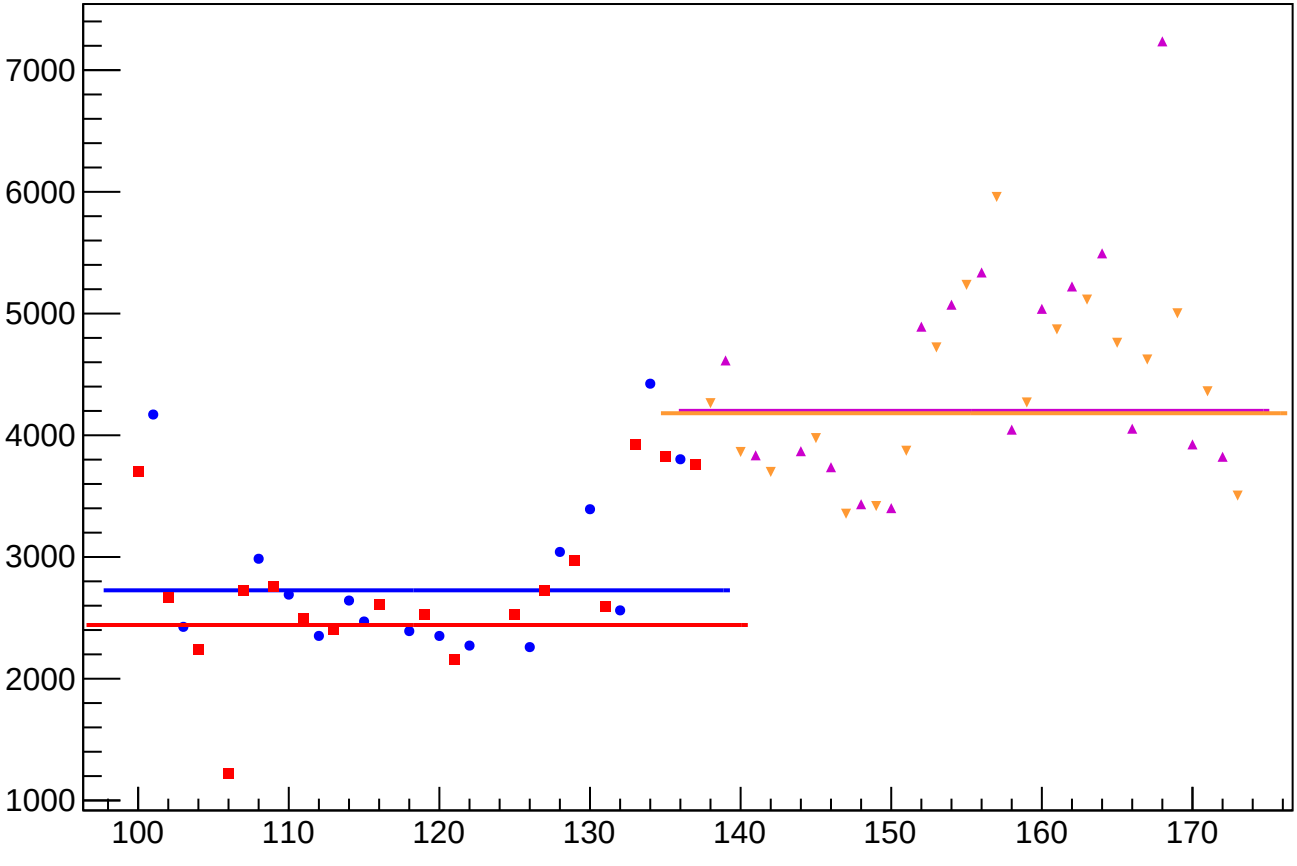
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -353.814+/-769.387 χ^2/NDF:27.4/32

Out: 298.283+/-743.820 χ^2/NDF:39.2/35

All: -16.751+/-534.770 χ^2/NDF: 67.0/68

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4181.130+/-0.799 χ^2/NDF:680920.6/17

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4200.573+/-0.808 χ^2/NDF:917320.2/16

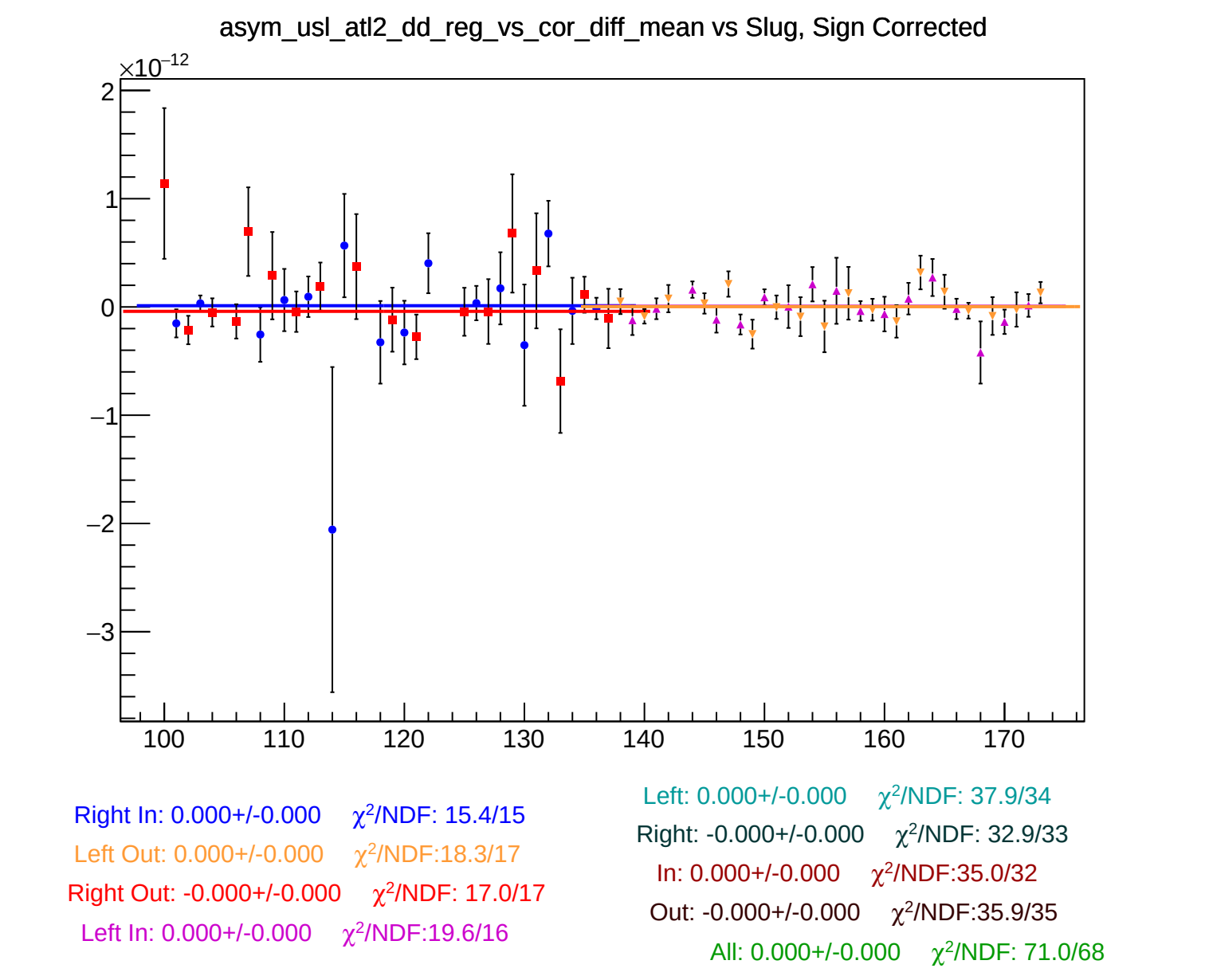
Left: 4190.735+/-0.568 χ^2/NDF: 1598533.6/34

Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3394.155+/-0.544 χ^2/NDF:3360216.5/32

Out: 3156.110+/-0.512 χ^2/NDF:4367609.6/35

All: 3267.900+/-0.373 χ^2/NDF: 7829369.0/68


asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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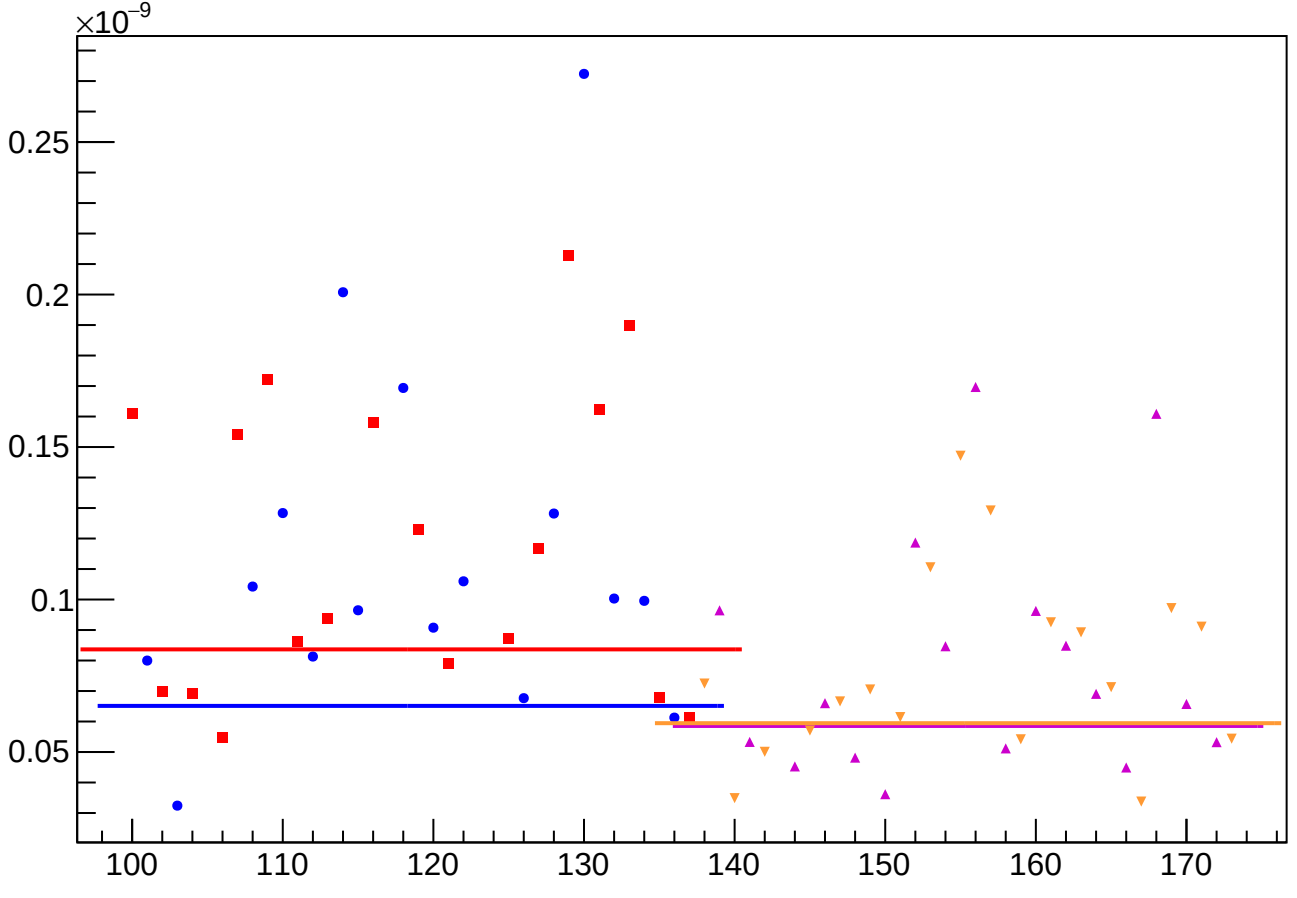
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: 0.000+/-0.000 χ²/NDF:18.3/17
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/17
Left In: 0.000+/-0.000 χ²/NDF:19.6/16
Left: 0.000+/-0.000 χ²/NDF: 37.9/34
Right: -0.000+/-0.000 χ²/NDF: 32.9/33
In: 0.000+/-0.000 χ²/NDF:35.0/32
Out: -0.000+/-0.000 χ²/NDF:35.9/35
All: 0.000+/-0.000 χ²/NDF: 71.0/68



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1542950.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1450647.9/16

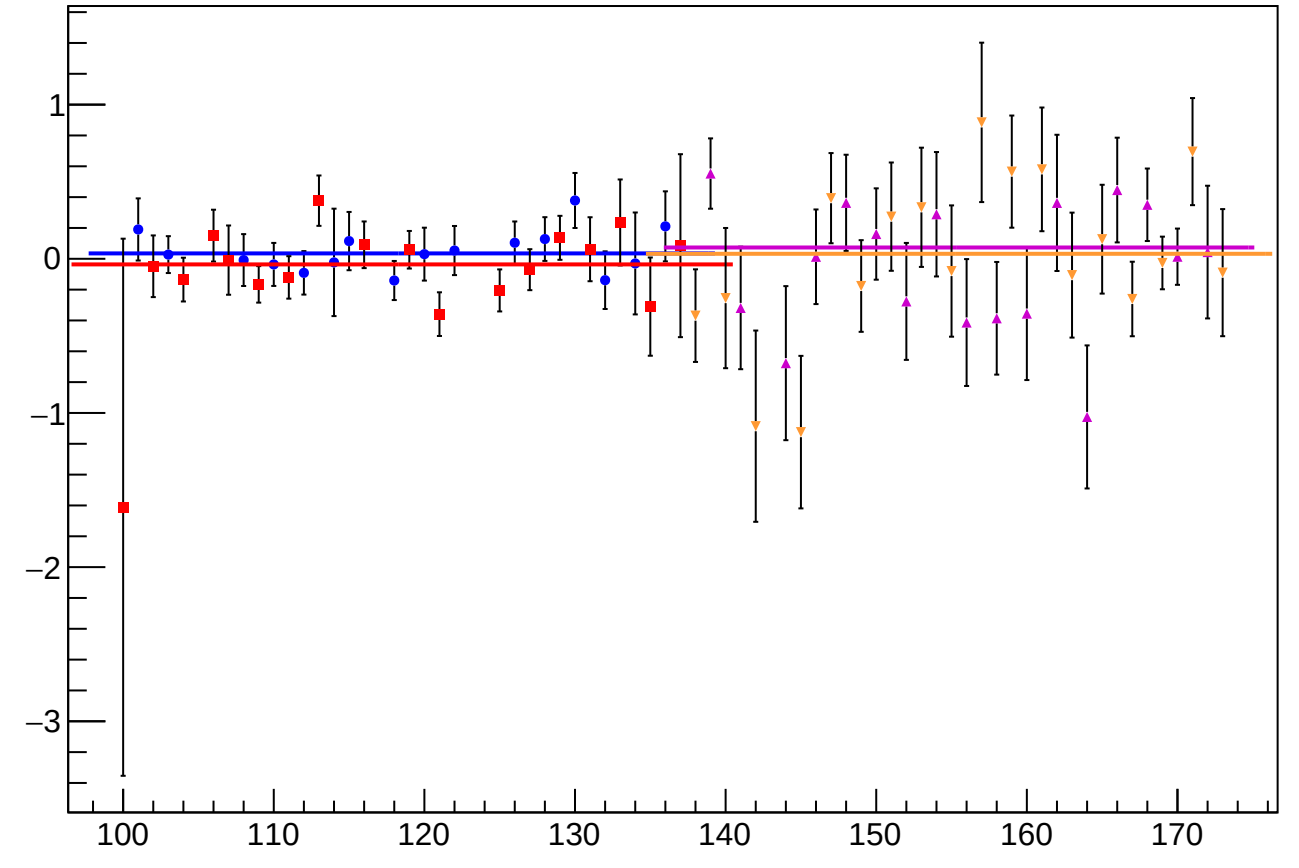
Left: 0.000+/-0.000 χ^2/NDF: 2994690.4/34

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:2705298.3/32

Out: 0.000+/-0.000 χ^2/NDF:2560832.5/35

All: 0.000+/-0.000 χ^2/NDF: 5295466.8/68



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.032+/-0.078 χ^2/NDF:26.3/17

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.073+/-0.078 χ^2/NDF:22.5/16

Left: 0.053+/-0.055 χ^2/NDF: 48.9/34

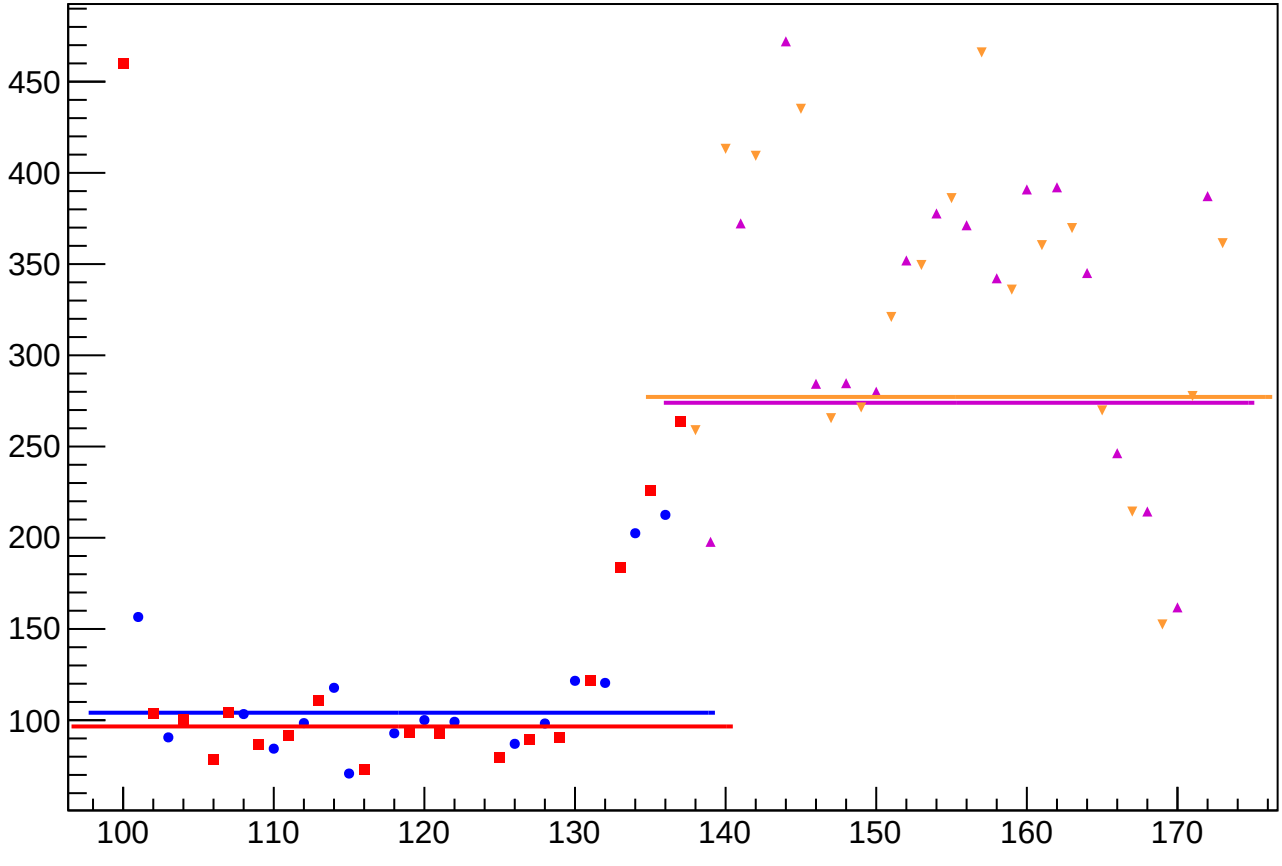
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.043+/-0.036 χ^2/NDF:32.4/32

Out: -0.023+/-0.035 χ^2/NDF:49.0/35

All: 0.009+/-0.025 χ^2/NDF: 83.1/68

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 277.187+/-0.055 χ^2/NDF:2512742.4/17

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 273.986+/-0.055 χ^2/NDF:2436479.1/16

Left: 275.575+/-0.039 χ^2/NDF: 4950905.9/34

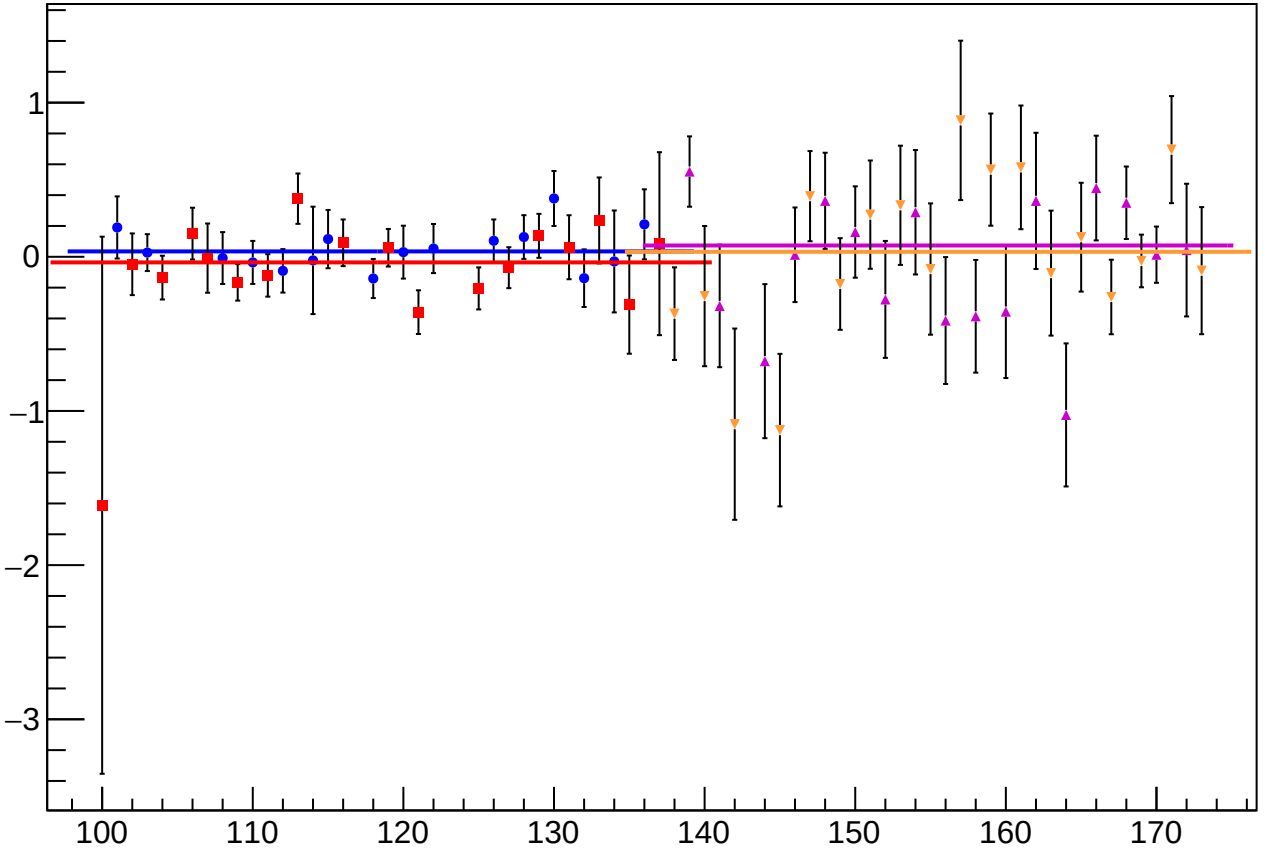
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 141.146+/-0.026 χ^2/NDF:10903184.0/32

Out: 132.330+/-0.025 χ^2/NDF:12005207.7/35

All: 136.558+/-0.018 χ^2/NDF: 22969832.8/68

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.032+/-0.078 χ^2/NDF:26.3/17

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.073+/-0.078 χ^2/NDF:22.5/16

Left: 0.053+/-0.055 χ^2/NDF: 48.9/34

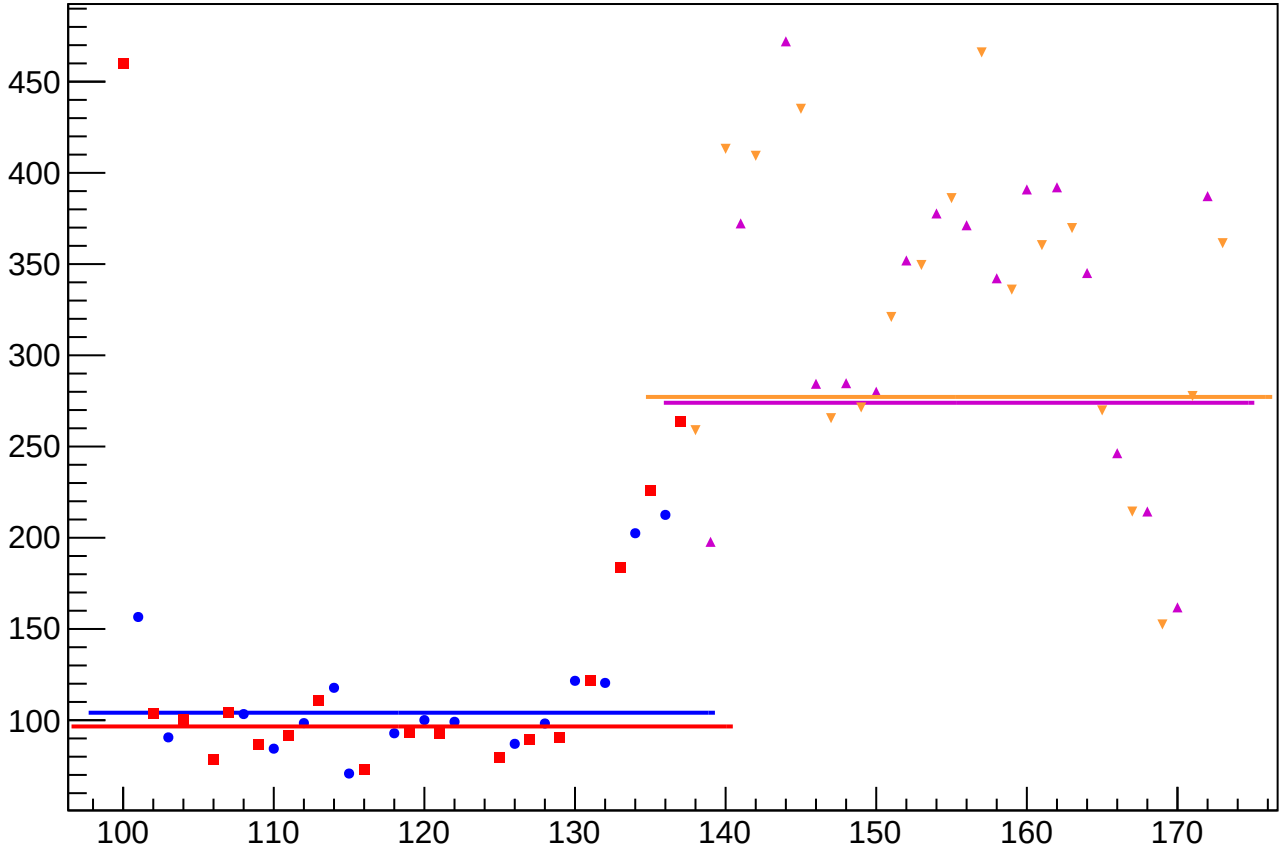
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.043+/-0.036 χ^2/NDF:32.4/32

Out: -0.023+/-0.035 χ^2/NDF:49.0/35

All: 0.009+/-0.025 χ^2/NDF: 83.1/68

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 277.187+/-0.055 χ^2/NDF:2512742.4/17

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 273.986+/-0.055 χ^2/NDF:2436479.1/16

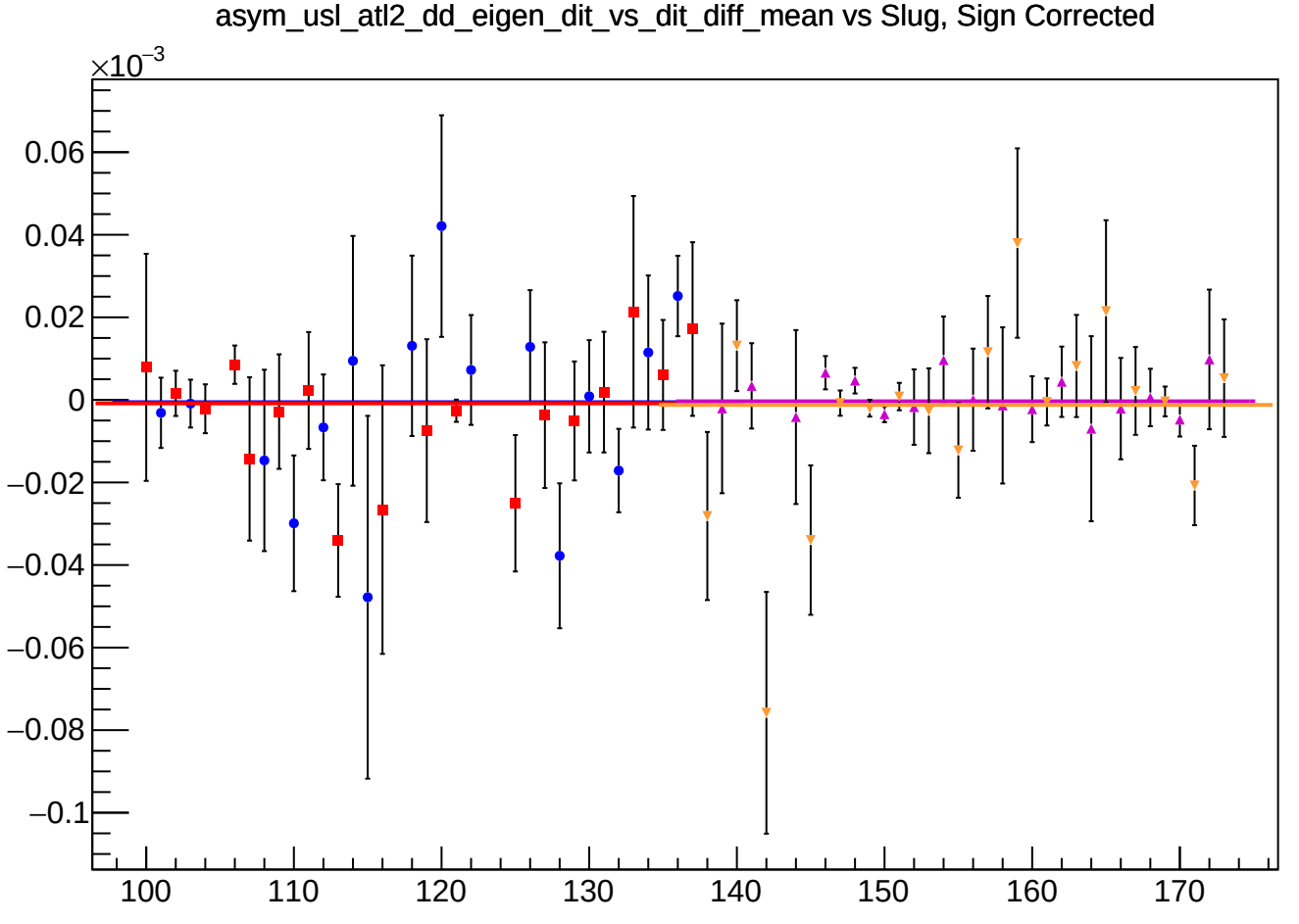
Left: 275.575+/-0.039 χ^2/NDF: 4950905.9/34

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 141.146+/-0.026 χ^2/NDF:10903184.0/32

Out: 132.330+/-0.025 χ^2/NDF:12005207.7/35

All: 136.558+/-0.018 χ^2/NDF: 22969832.8/68



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.6/17

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/17

Left In: -0.000+/-0.000 χ^2/NDF:11.3/16

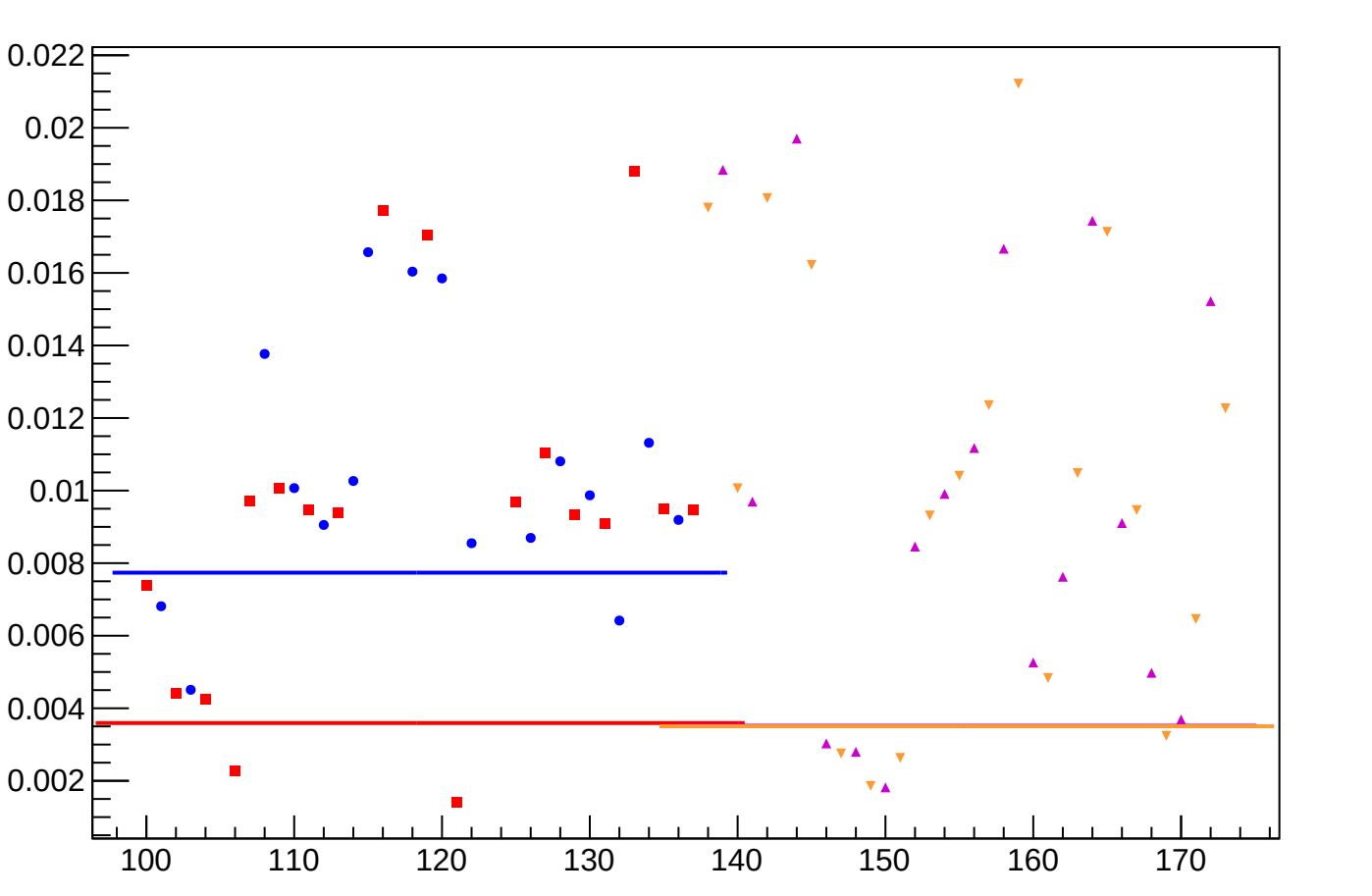
Left: -0.000+/-0.000 χ^2/NDF: 36.2/34

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:35.3/32

Out: -0.000+/-0.000 χ^2/NDF:40.5/35

All: -0.000+/-0.000 χ^2/NDF: 76.0/68



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.004+/-0.000 χ^2/NDF:11238901.8/17

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.004+/-0.000 χ^2/NDF:10545615.8/16

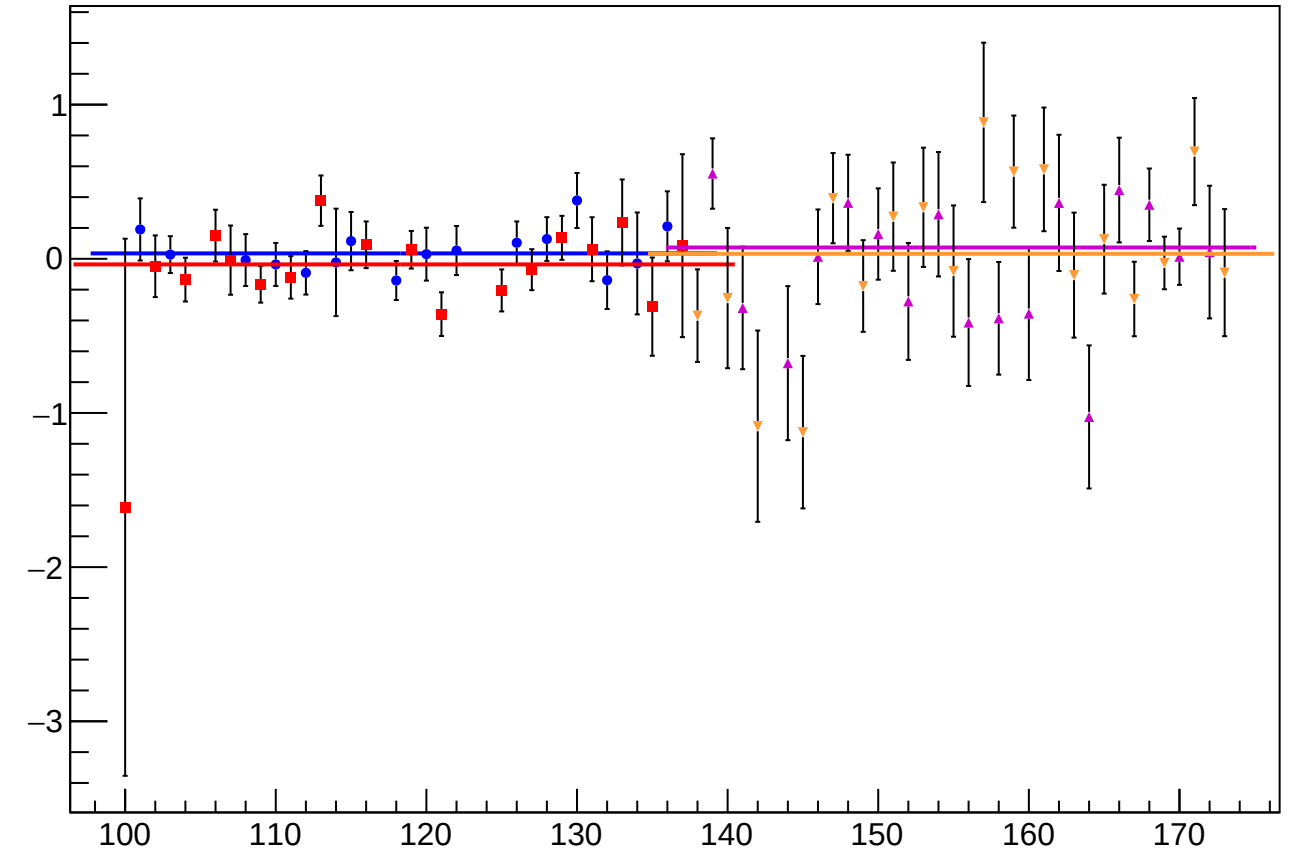
Left: 0.004+/-0.000 χ^2/NDF: 21784681.5/34

Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:15384853.1/32

Out: 0.004+/-0.000 χ^2/NDF:17606998.2/35

All: 0.004+/-0.000 χ^2/NDF: 33283989.8/68



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.032+/-0.078 χ^2/NDF:26.3/17

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.073+/-0.078 χ^2/NDF:22.5/16

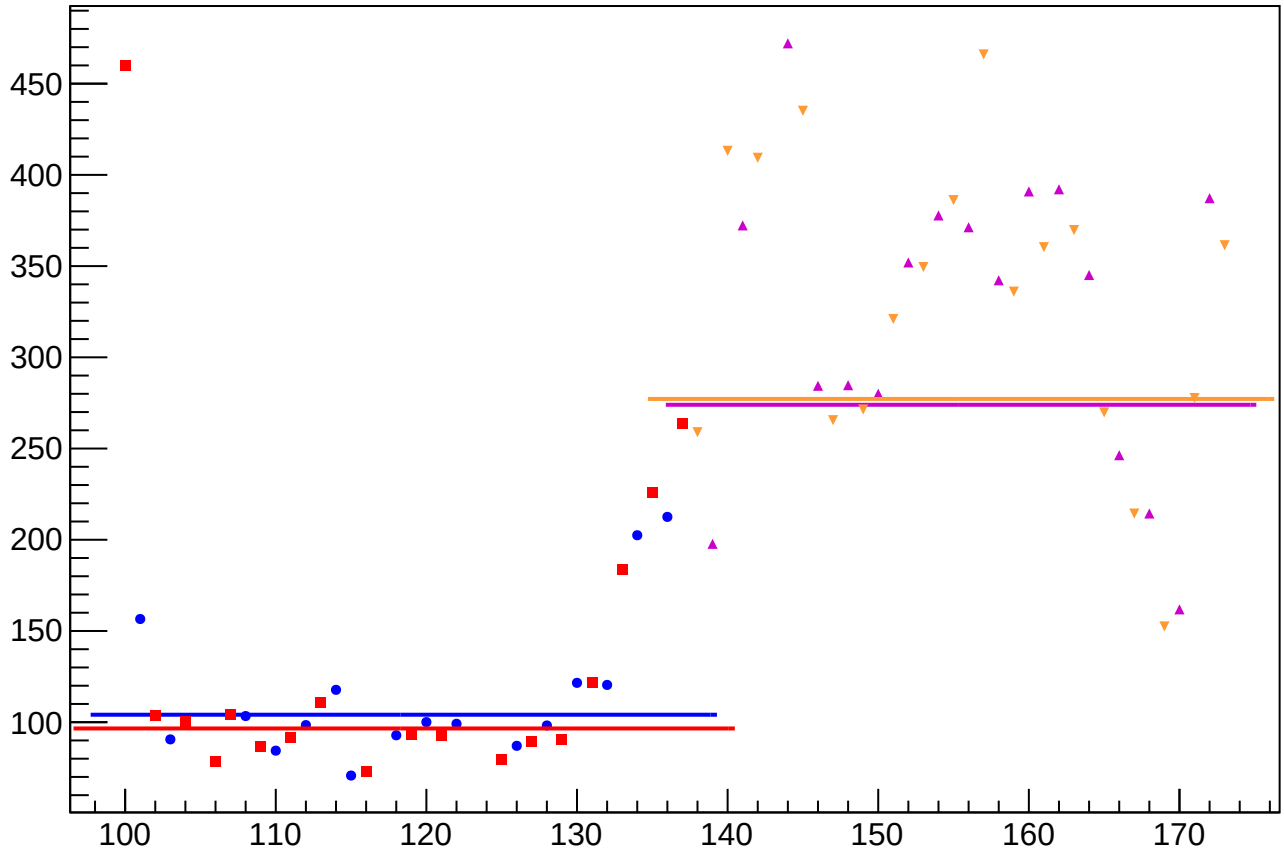
Left: 0.053+/-0.055 χ^2/NDF: 48.9/34

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

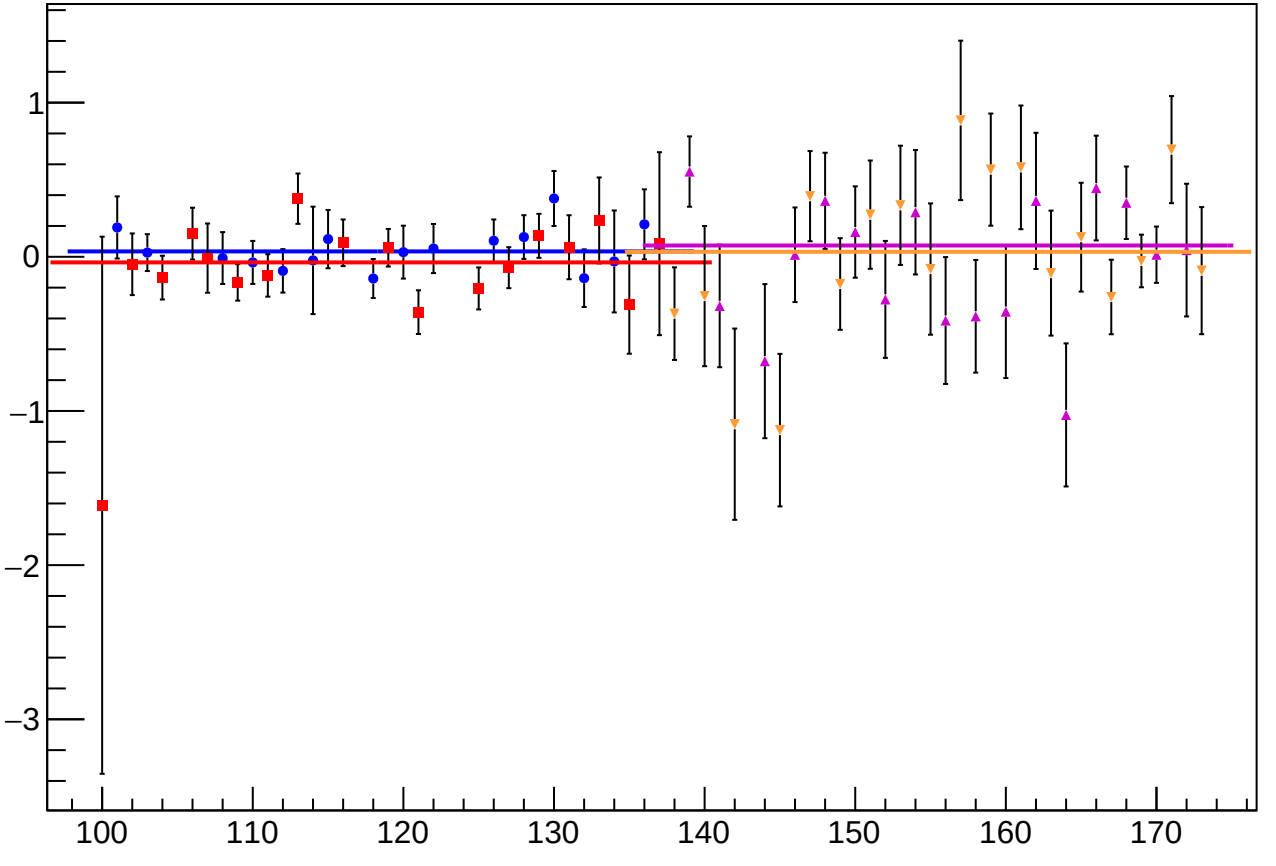
In: 0.043+/-0.036 χ^2/NDF:32.4/32

Out: -0.023+/-0.035 χ^2/NDF:49.0/35

All: 0.009+/-0.025 χ^2/NDF: 83.1/68


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
450
400
350
300
250
200
150
100
100
110
120
130
140
150
160
170
Right In: 104.100+/-0.029 χ²/NDF: 989809.0/15
Left Out: 277.189+/-0.055 χ²/NDF:2512805.7/17
Right Out: 96.570+/-0.028 χ²/NDF: 955477.2/17
Left In: 273.990+/-0.055 χ²/NDF:2436454.7/16
Left: 275.577+/-0.039 χ²/NDF: 4950943.1/34
Right: 100.135+/-0.020 χ²/NDF: 1980754.7/33
In: 141.147+/-0.026 χ²/NDF:10903180.6/32
Out: 132.331+/-0.025 χ²/NDF:12005124.5/35
All: 136.560+/-0.018 χ²/NDF: 22969739.0/68

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: 0.032+/-0.078 χ^2/NDF:26.3/17

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.073+/-0.078 χ^2/NDF:22.5/16

Left: 0.053+/-0.055 χ^2/NDF: 48.9/34

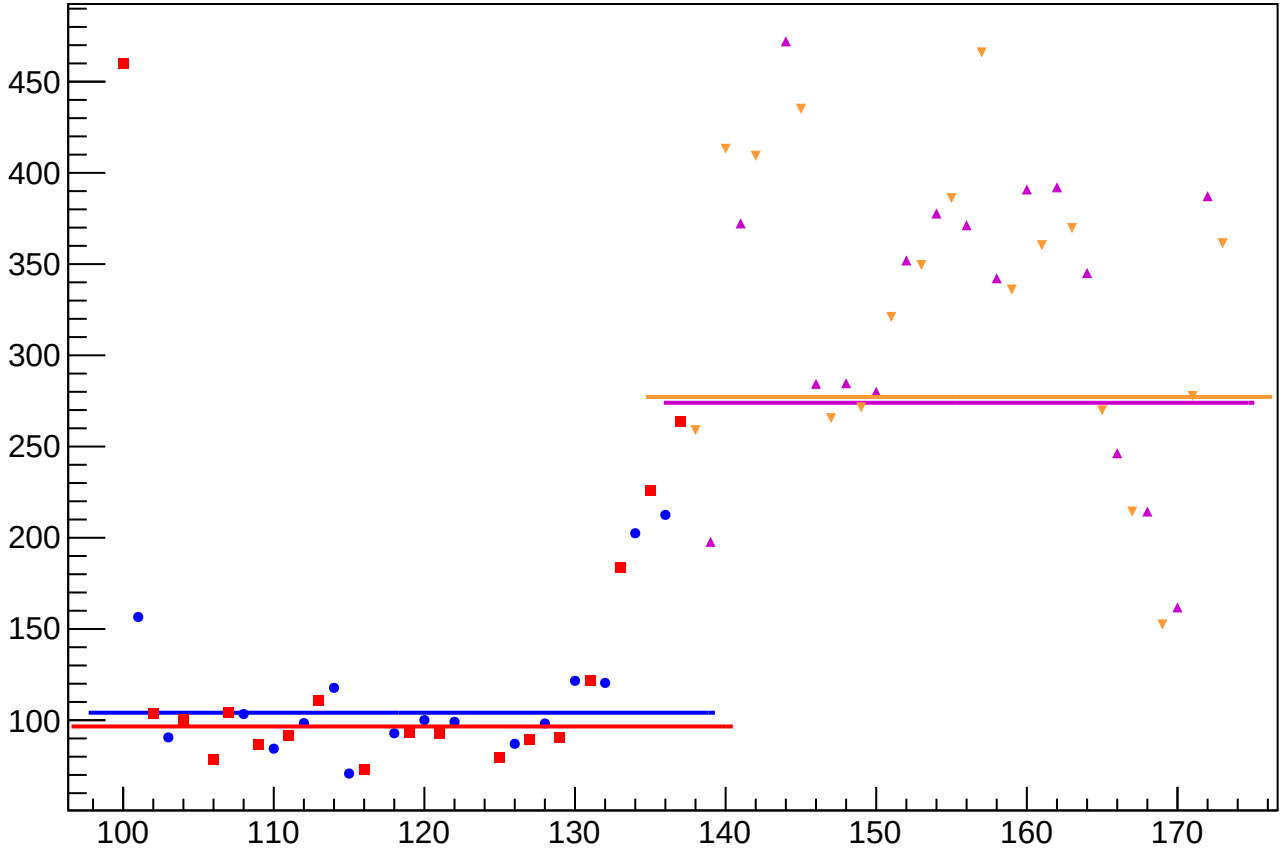
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.043+/-0.036 χ^2/NDF:32.4/32

Out: -0.023+/-0.035 χ^2/NDF:49.0/35

All: 0.009+/-0.025 χ^2/NDF: 83.1/68

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: 277.189+/-0.055 χ^2/NDF:2512805.7/17

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 273.990+/-0.055 χ^2/NDF:2436454.7/16

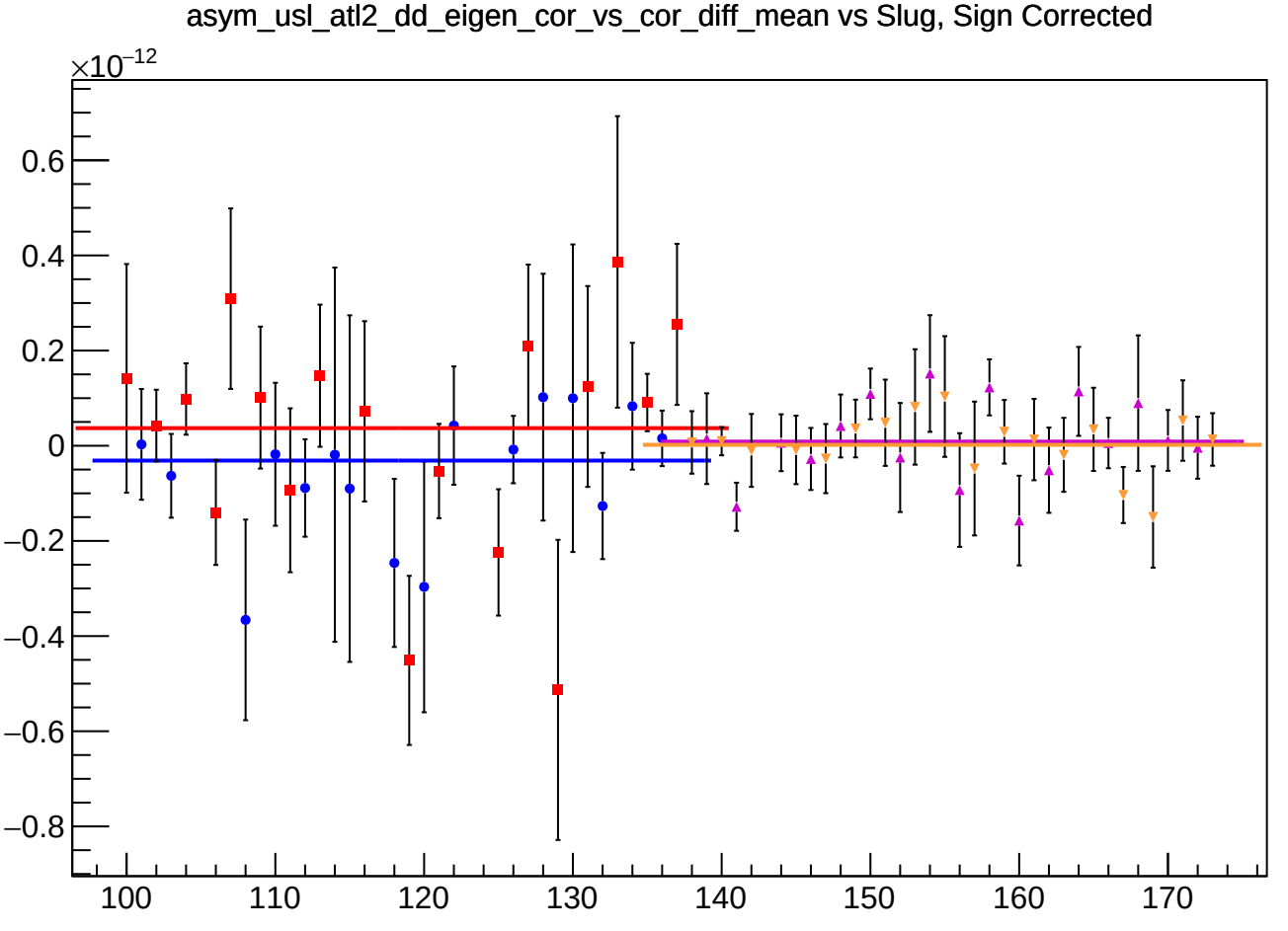
Left: 275.577+/-0.039 χ^2/NDF: 4950943.1/34

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 141.147+/-0.026 χ^2/NDF:10903180.6/32

Out: 132.331+/-0.025 χ^2/NDF:12005124.5/35

All: 136.560+/-0.018 χ^2/NDF: 22969739.0/68



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:22.6/16

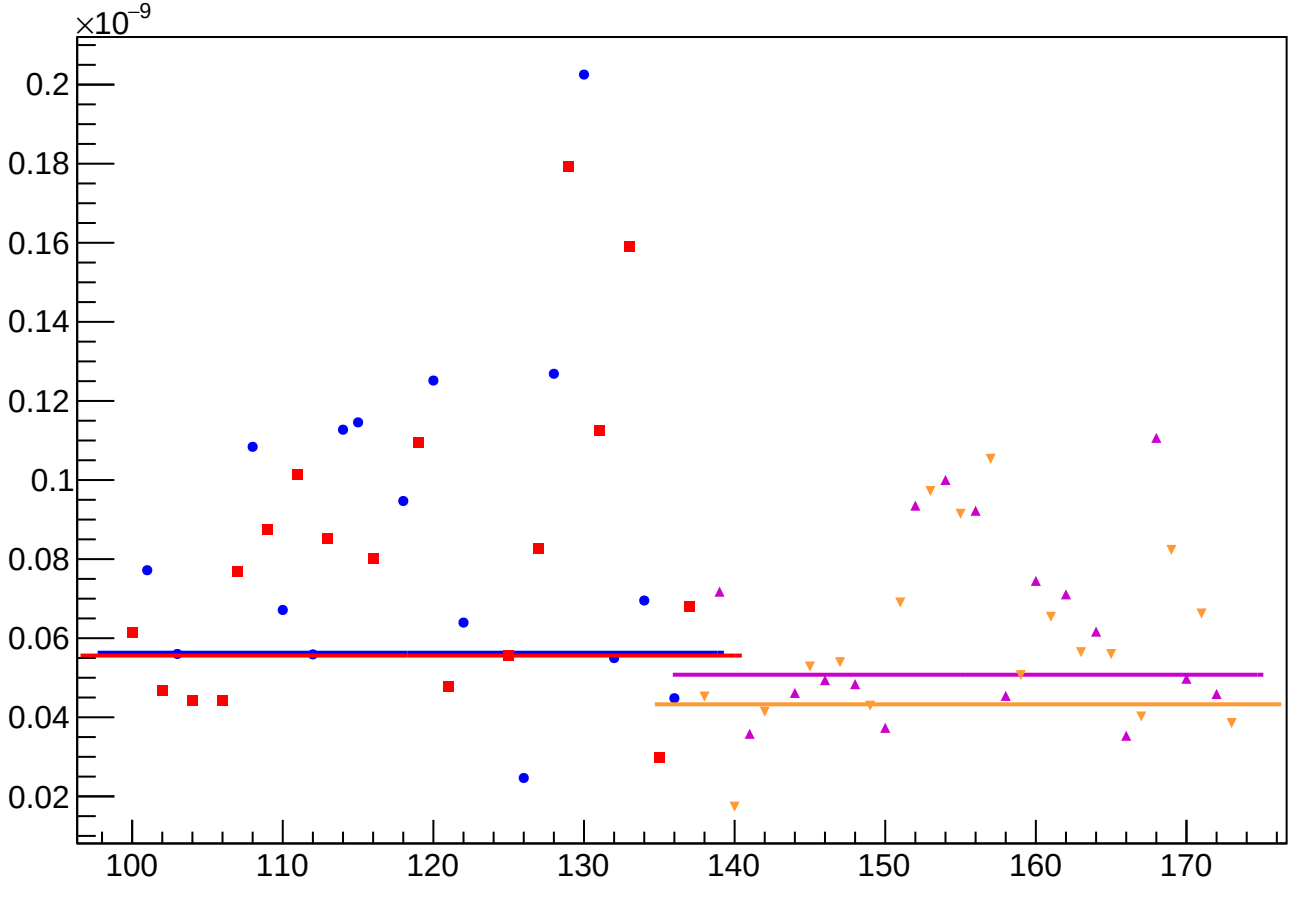
Left: 0.000+/-0.000 χ^2/NDF: 30.7/34

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:32.5/32

Out: 0.000+/-0.000 χ^2/NDF:36.3/35

All: 0.000+/-0.000 χ^2/NDF: 69.1/68



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3541368.3/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

Left In: 0.000+/-0.000 χ^2/NDF:2065615.9/16

Left: 0.000+/-0.000 χ^2/NDF: 5810476.3/34

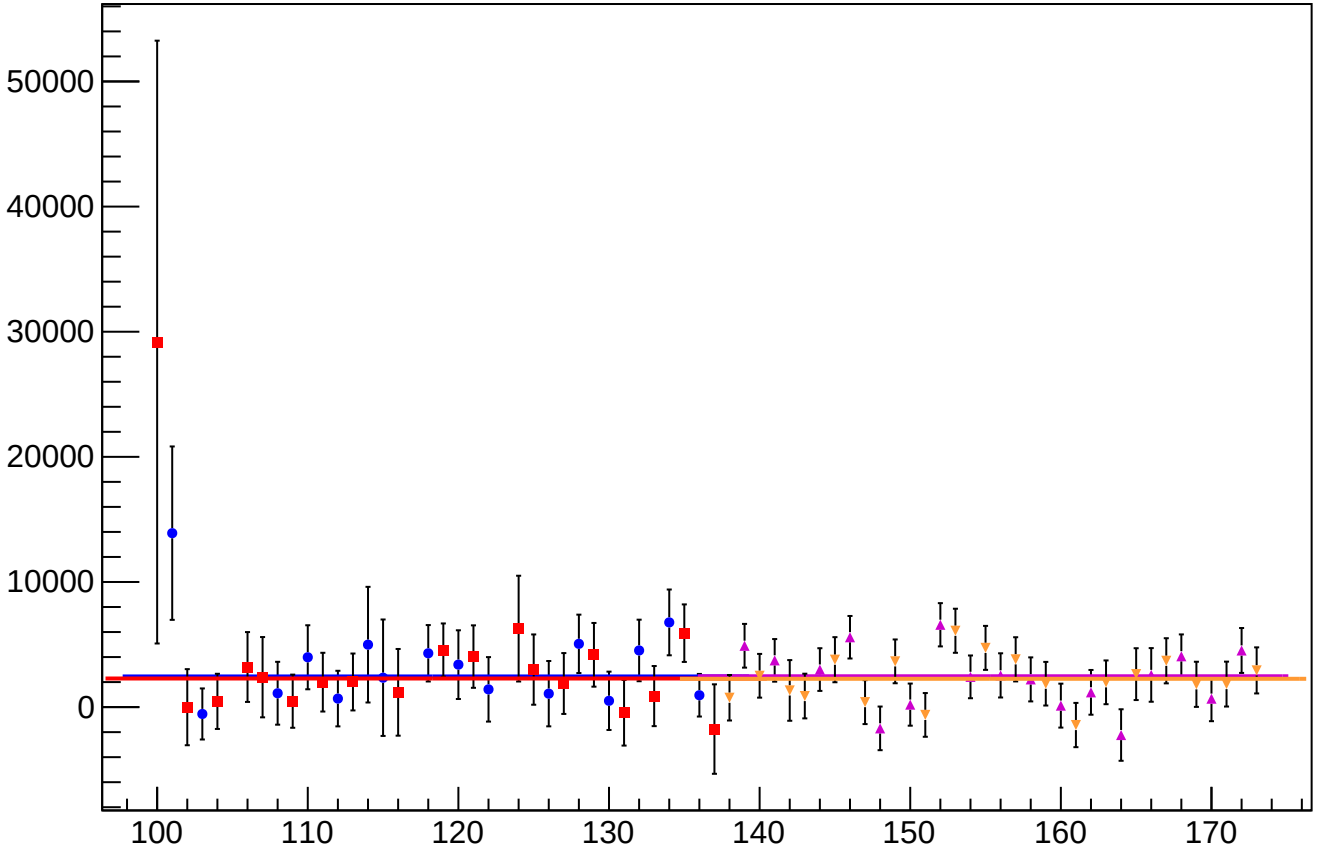
Right: 0.000+/-0.000 χ^2/NDF: 3350763.8/33

In: 0.000+/-0.000 χ^2/NDF:3701182.7/32

Out: 0.000+/-0.000 χ^2/NDF:5590961.6/35

All: 0.000+/-0.000 χ^2/NDF: 9467916.3/68

reg_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2262.839+/-415.348 χ^2/NDF:19.5/18

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 2464.782+/-430.182 χ^2/NDF:29.8/16

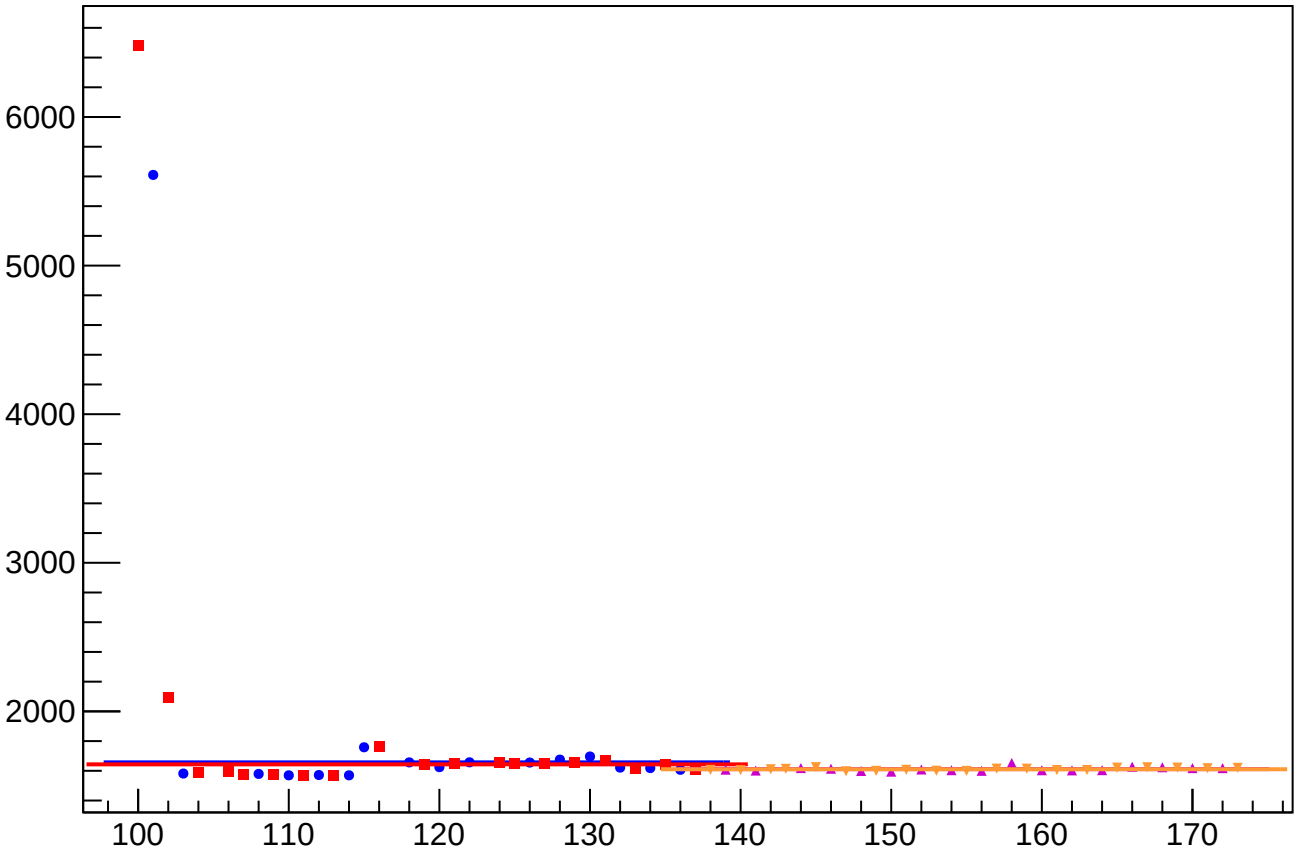
Left: 2360.269+/-298.802 χ^2/NDF: 49.5/35

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2460.070+/-355.303 χ^2/NDF:43.7/32

Out: 2270.371+/-343.168 χ^2/NDF:31.4/37

All: 2361.926+/-246.835 χ^2/NDF: 75.2/70



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1610.481+/-0.294 χ^2/NDF:891.3/18

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1611.569+/-0.304 χ^2/NDF:2016.9/16

Left: 1611.006+/-0.211 χ^2/NDF: 2914.9/35

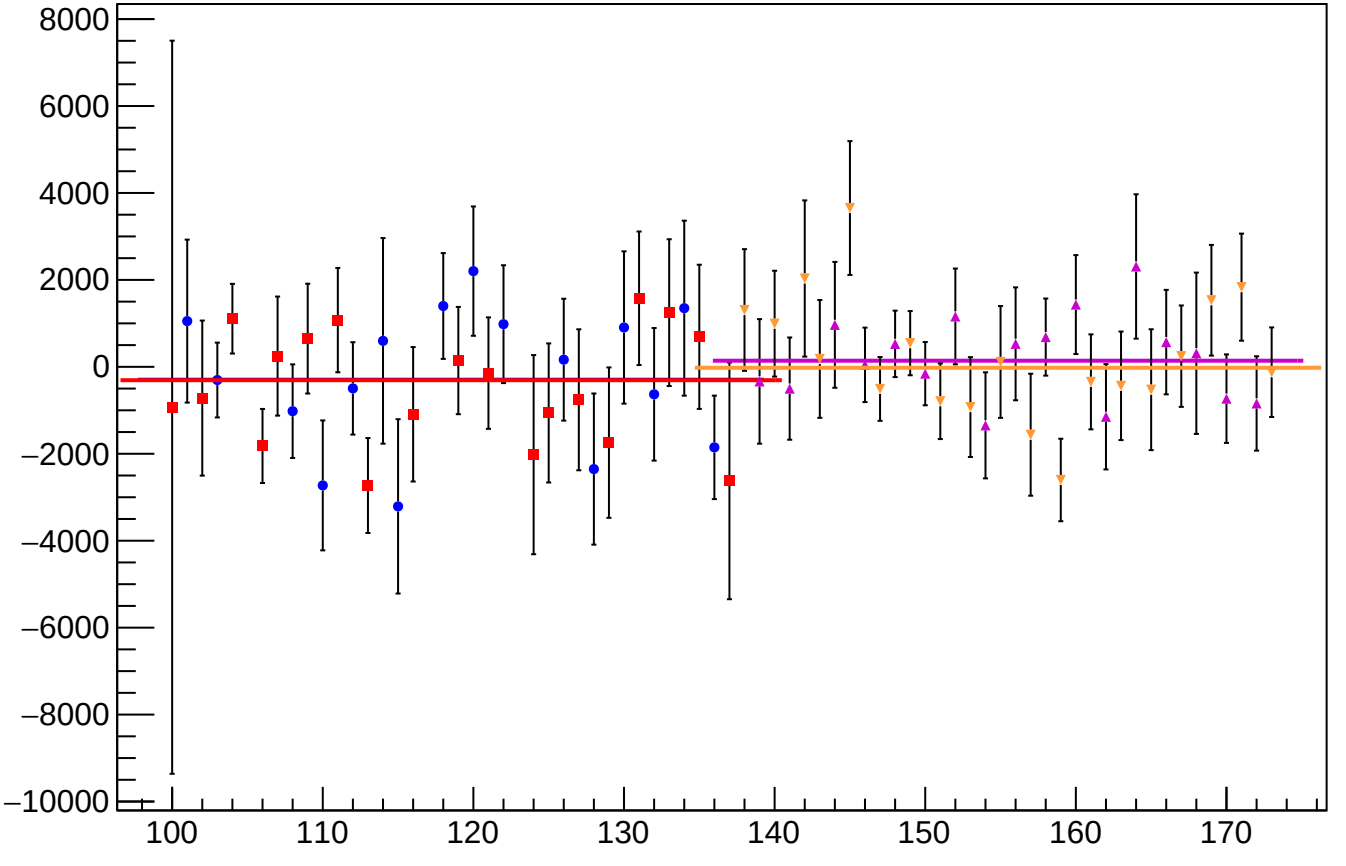
Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1625.908+/-0.251 χ^2/NDF:675234.1/32

Out: 1620.938+/-0.243 χ^2/NDF:141883.5/37

All: 1623.337+/-0.175 χ^2/NDF: 817320.1/70

asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -21.017+/-254.793 χ^2/NDF:23.8/18

Right Out: -307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: 141.256+/-261.475 χ^2/NDF:9.8/16

Left: 58.020+/-182.482 χ^2/NDF: 33.8/35

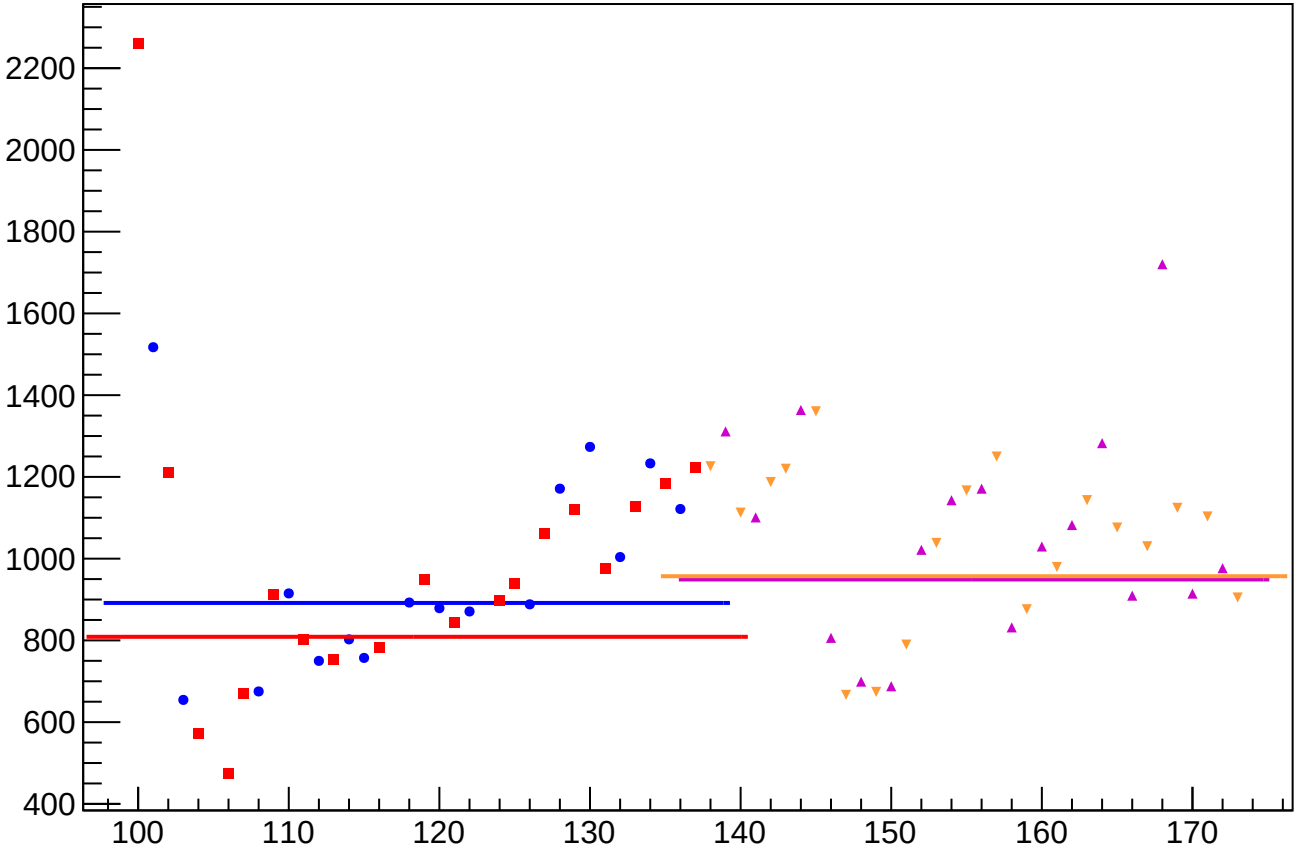
Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: -19.360+/-208.041 χ^2/NDF:26.8/32

Out: -135.274+/-197.594 χ^2/NDF:43.0/37

All: -80.300+/-143.271 χ^2/NDF: 70.0/70

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: 957.023+/-0.180 χ^2/NDF:1333182.9/18

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 949.104+/-0.185 χ^2/NDF:1471665.9/16

Left: 953.166+/-0.129 χ^2/NDF: 2805789.9/35

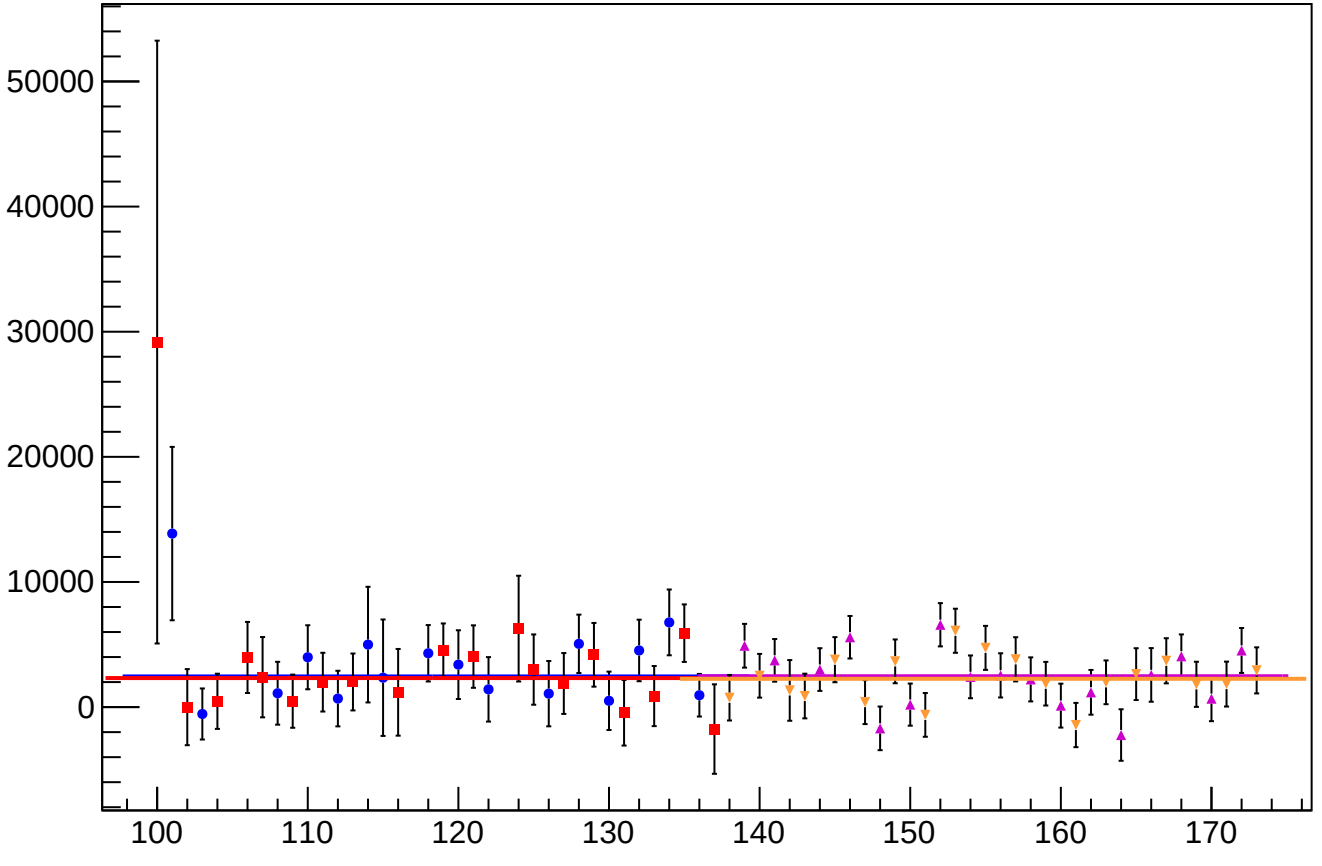
Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 928.015+/-0.147 χ^2/NDF:2301017.4/32

Out: 897.947+/-0.140 χ^2/NDF:2686771.7/37

All: 912.207+/-0.101 χ^2/NDF: 5009753.1/70

cor_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2262.825+/-415.348 χ^2/NDF:19.5/18

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2464.809+/-430.182 χ^2/NDF:29.8/16

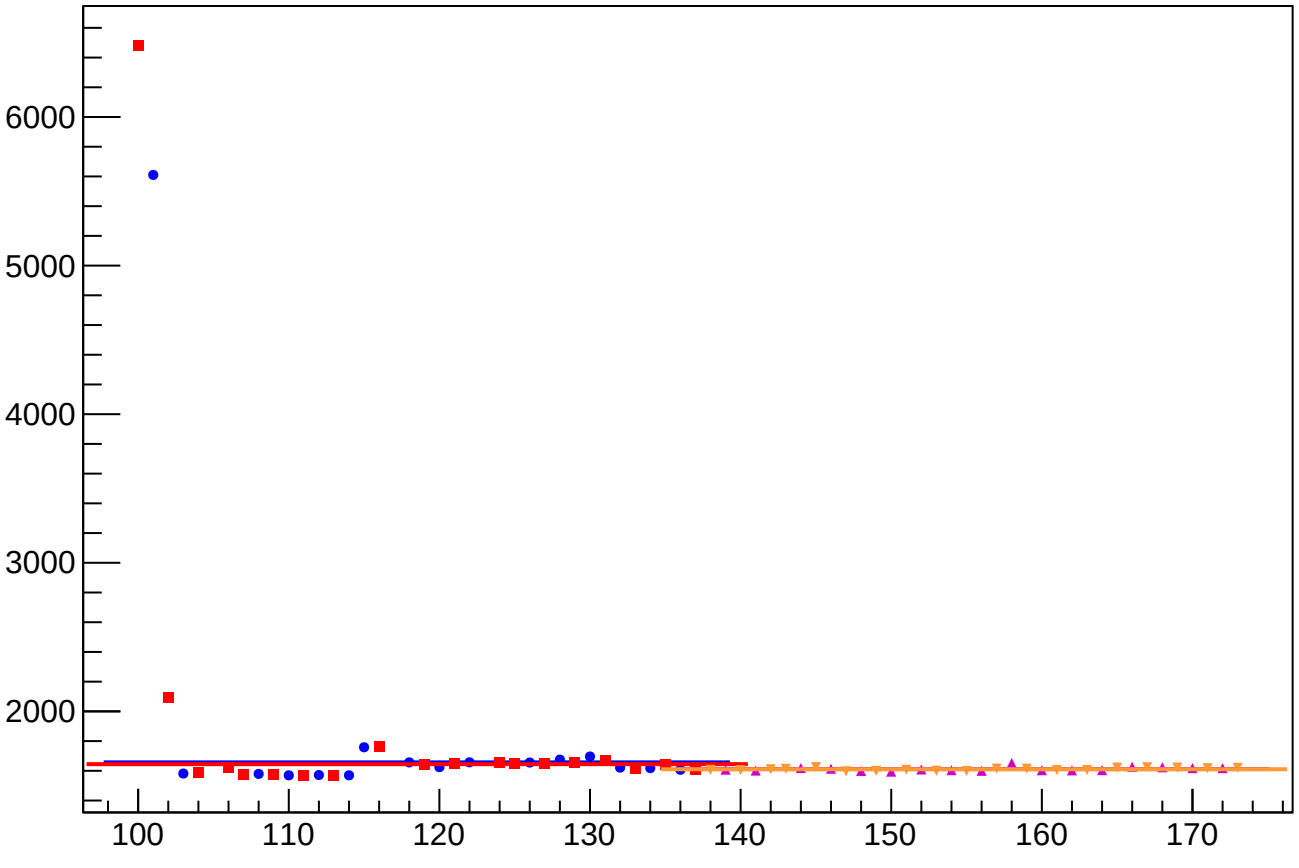
Left: 2360.275+/-298.802 χ^2/NDF: 49.5/35

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2459.910+/-355.303 χ^2/NDF:43.7/32

Out: 2281.132+/-343.258 χ^2/NDF:31.6/37

All: 2367.440+/-246.868 χ^2/NDF: 75.4/70



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1610.481+/-0.294 χ^2/NDF:891.3/18

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1611.569+/-0.304 χ^2/NDF:2016.9/16

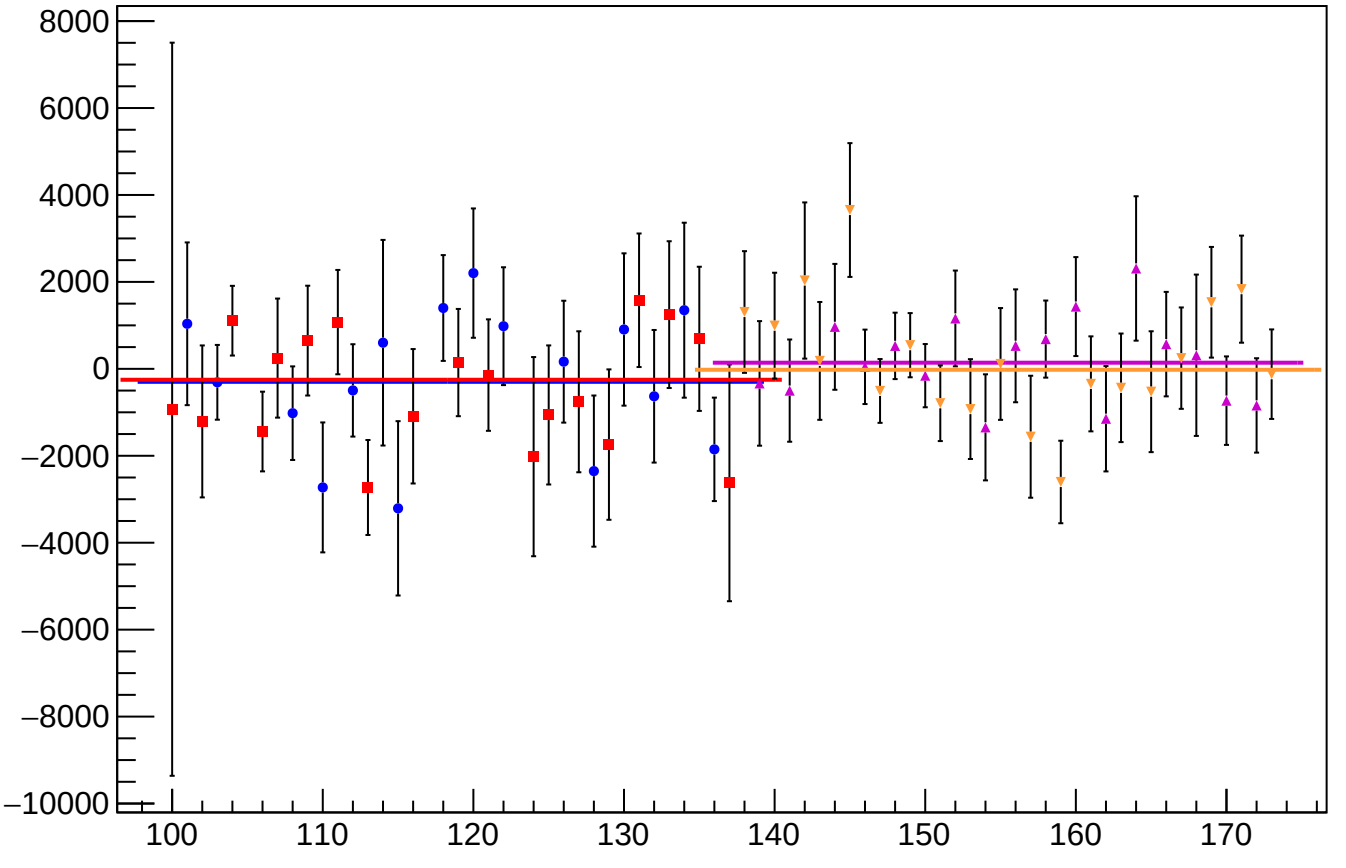
Left: 1611.006+/-0.211 χ^2/NDF: 2914.9/35

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1625.908+/-0.251 χ^2/NDF:675233.7/32

Out: 1621.339+/-0.243 χ^2/NDF:141686.0/37

All: 1623.545+/-0.175 χ^2/NDF: 817090.7/70



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -21.077+/-254.791 χ^2/NDF:23.8/18

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 141.300+/-261.476 χ^2/NDF:9.8/16

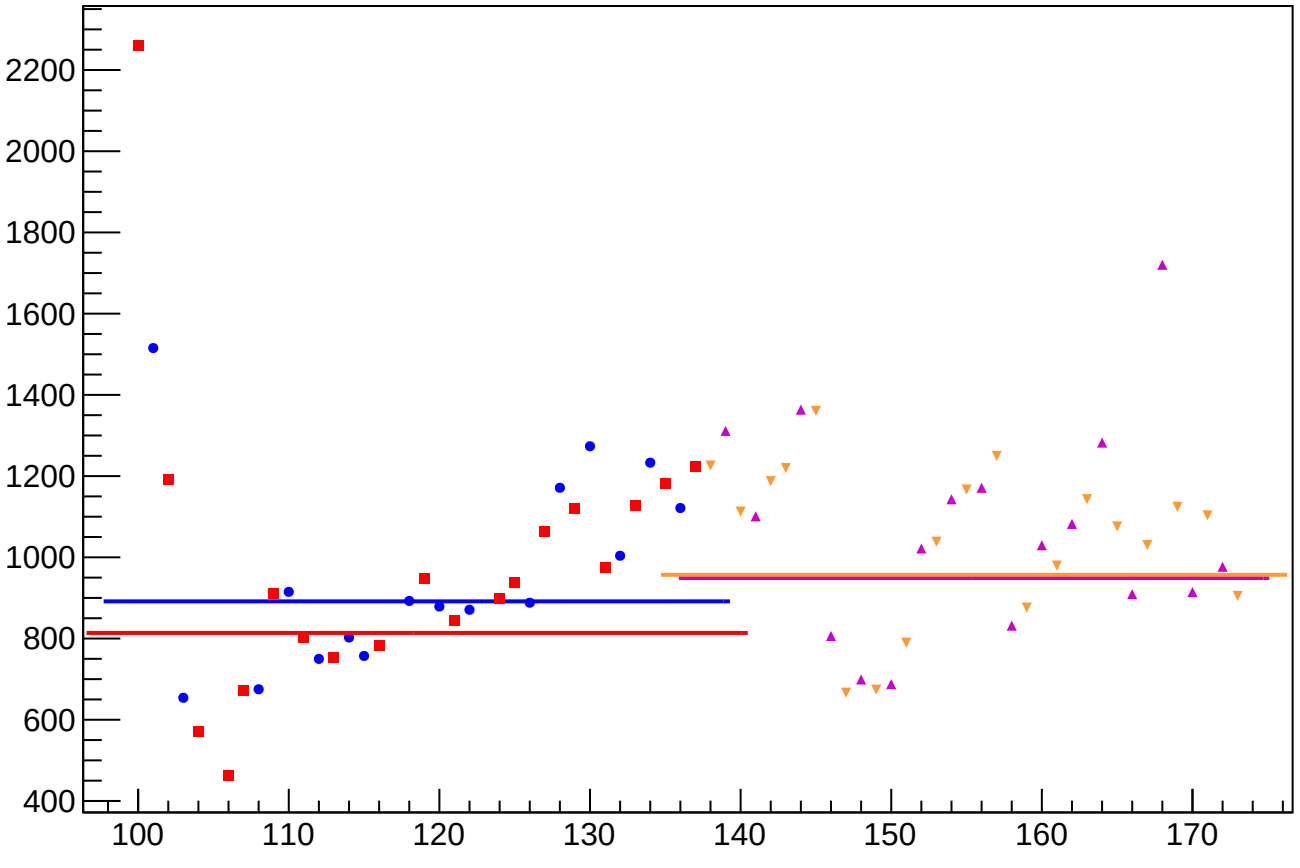
Left: 58.010+/-182.482 χ^2/NDF: 33.8/35

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -19.853+/-208.032 χ^2/NDF:26.8/32

Out: -111.841+/-198.285 χ^2/NDF:41.4/37

All: -68.052+/-143.531 χ^2/NDF: 68.3/70



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 957.014+/-0.180 χ^2/NDF:1333273.8/18

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 949.109+/-0.185 χ^2/NDF:1471617.8/16

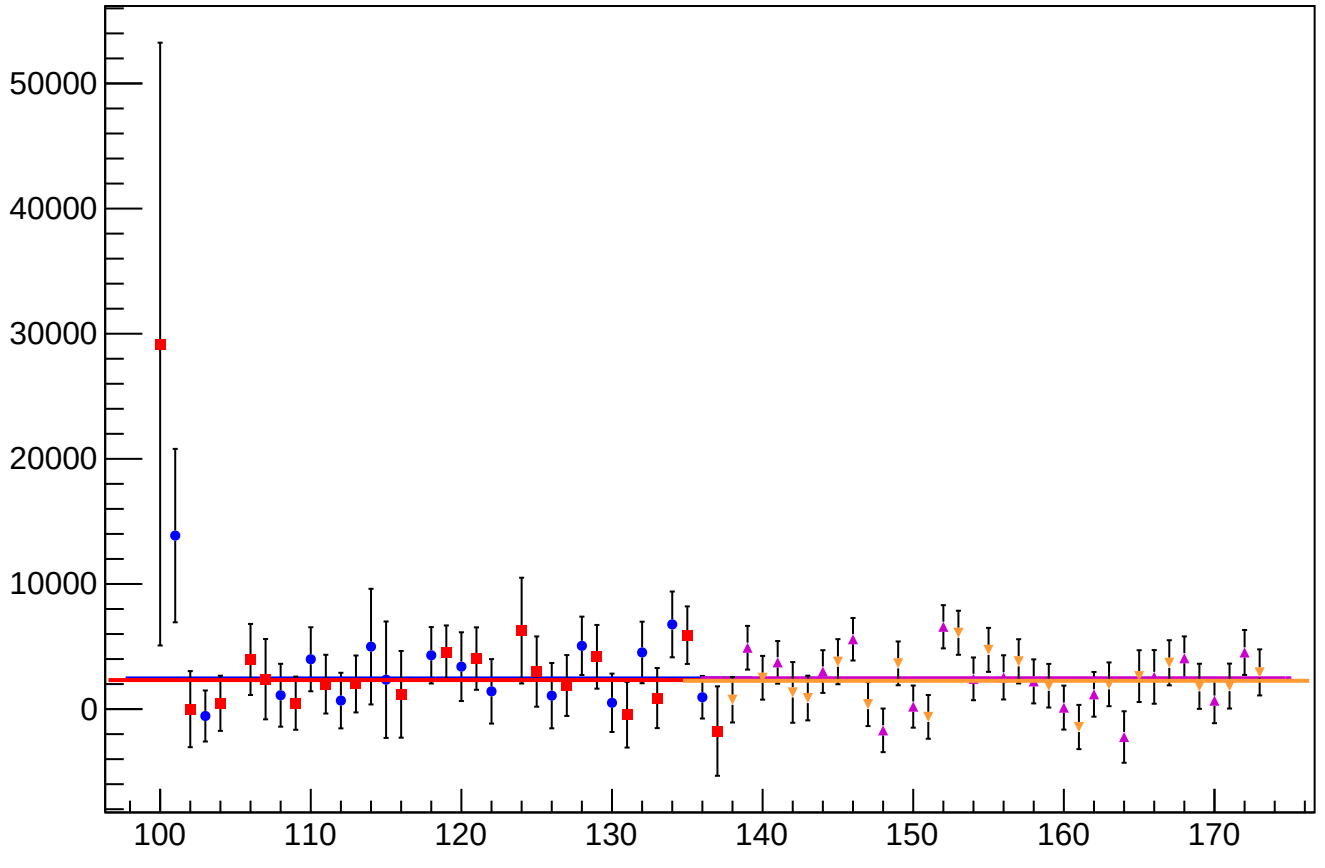
Left: 953.164+/-0.129 χ^2/NDF: 2805829.3/35

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 927.978+/-0.147 χ^2/NDF:2300865.0/32

Out: 900.538+/-0.140 χ^2/NDF:2635428.6/37

All: 913.600+/-0.101 χ^2/NDF: 4954525.4/70



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2262.825+/-415.348 χ^2/NDF:19.5/18

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2464.809+/-430.182 χ^2/NDF:29.8/16

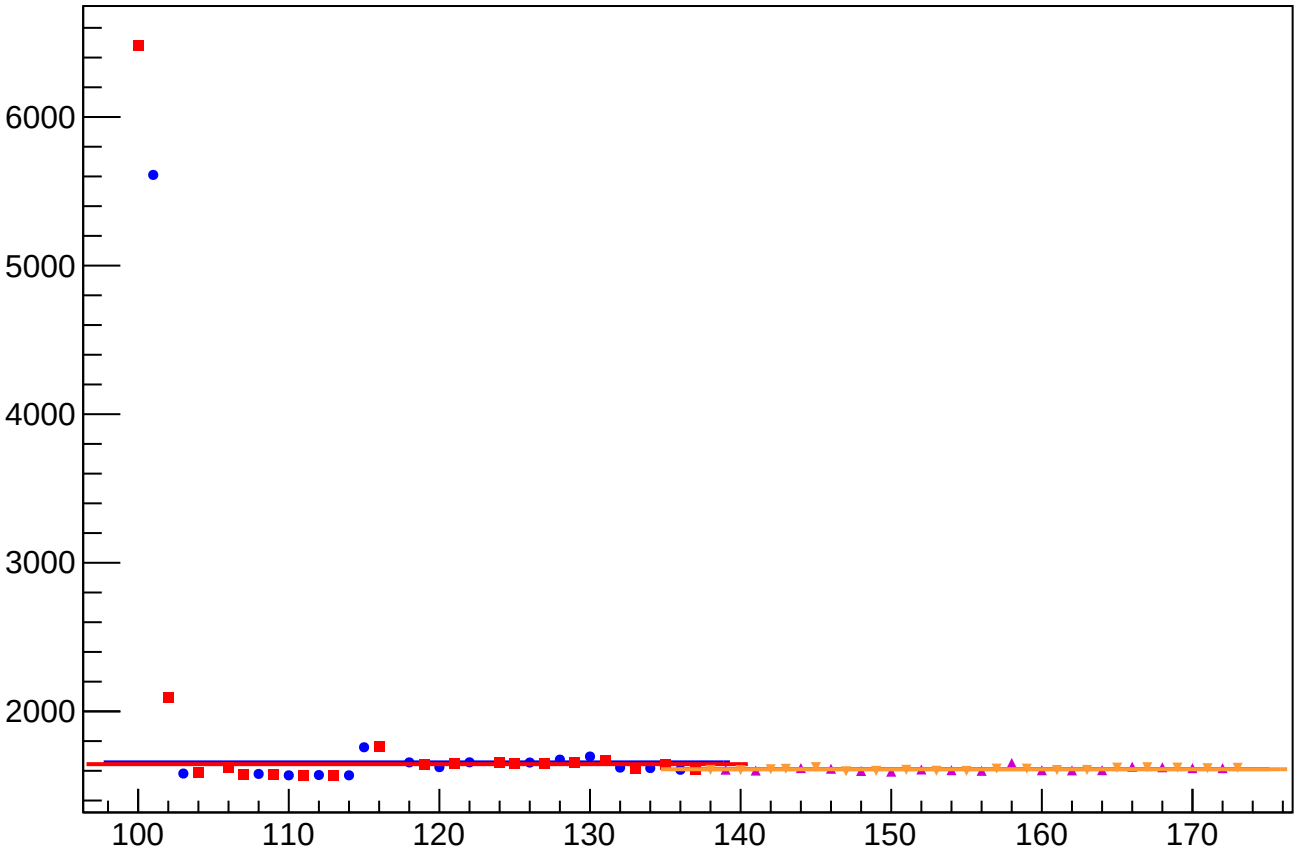
Left: 2360.275+/-298.802 χ^2/NDF: 49.5/35

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2459.910+/-355.303 χ^2/NDF:43.7/32

Out: 2281.132+/-343.258 χ^2/NDF:31.6/37

All: 2367.440+/-246.868 χ^2/NDF: 75.4/70



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1610.481+/-0.294 χ^2/NDF:891.3/18

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1611.569+/-0.304 χ^2/NDF:2016.9/16

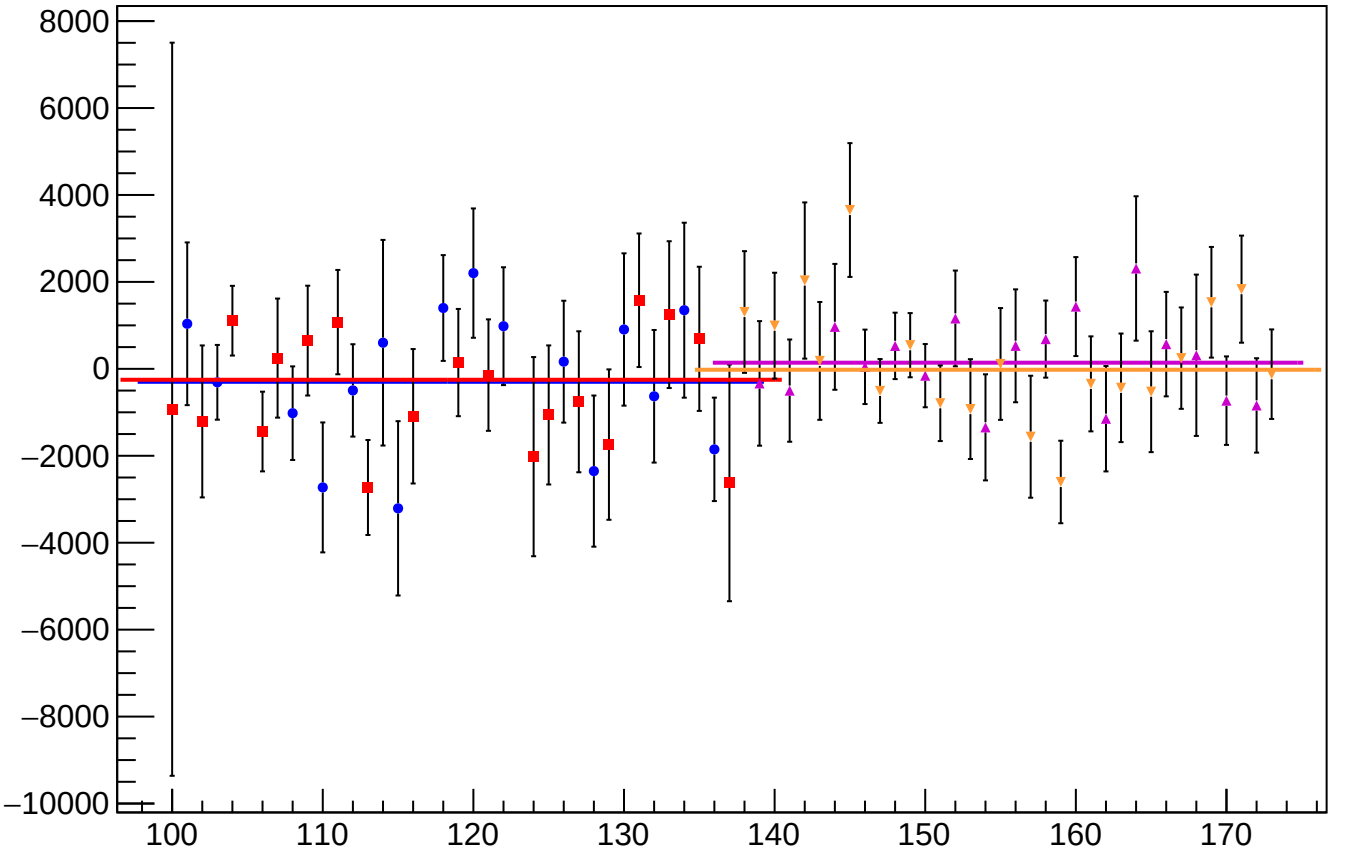
Left: 1611.006+/-0.211 χ^2/NDF: 2914.9/35

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1625.908+/-0.251 χ^2/NDF:675233.7/32

Out: 1621.339+/-0.243 χ^2/NDF:141686.0/37

All: 1623.545+/-0.175 χ^2/NDF: 817090.7/70



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -21.077+/-254.791 χ^2/NDF:23.8/18

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 141.300+/-261.476 χ^2/NDF:9.8/16

Left: 58.010+/-182.482 χ^2/NDF: 33.8/35

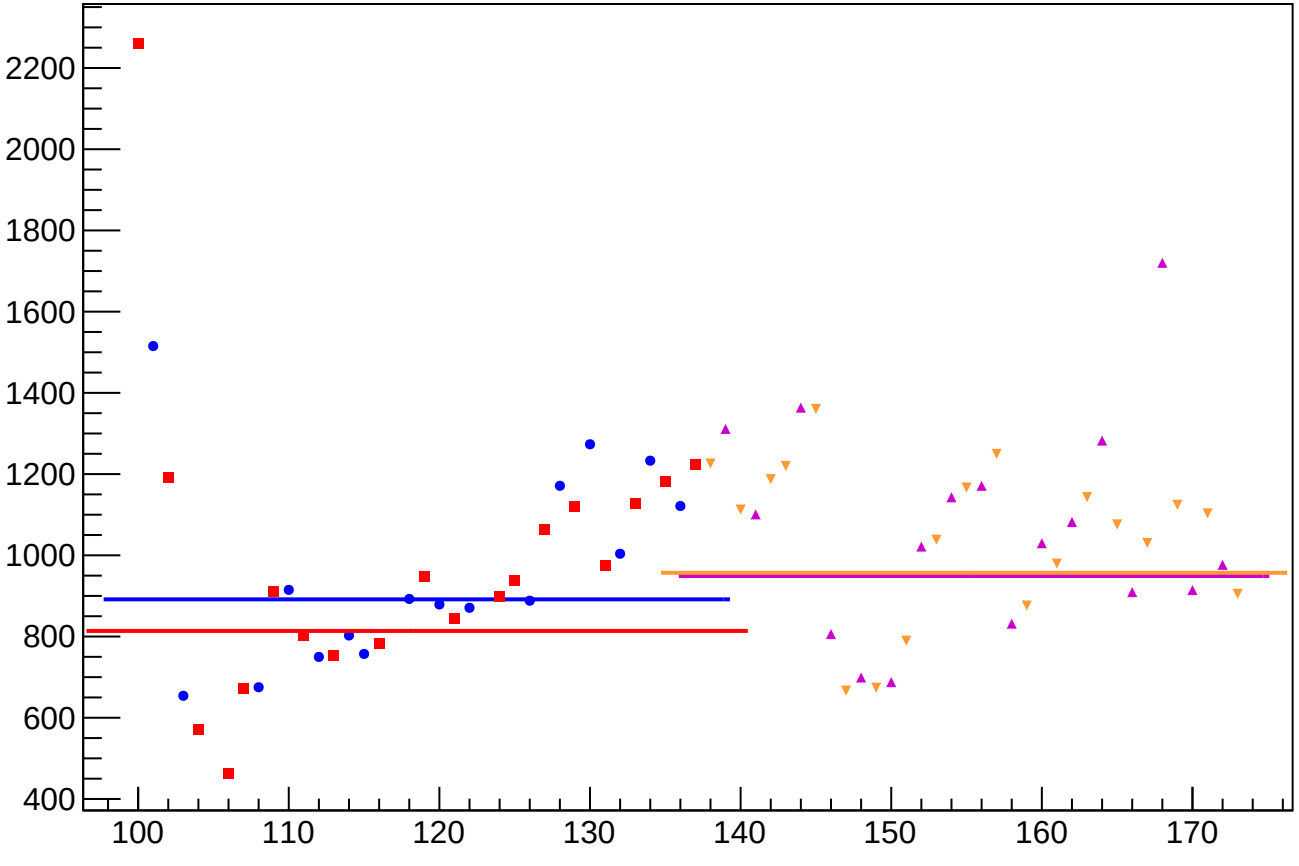
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -19.853+/-208.032 χ^2/NDF:26.8/32

Out: -111.841+/-198.285 χ^2/NDF:41.4/37

All: -68.052+/-143.531 χ^2/NDF: 68.3/70

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: 957.014+/-0.180 χ^2/NDF:1333273.8/18

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 949.109+/-0.185 χ^2/NDF:1471617.8/16

Left: 953.164+/-0.129 χ^2/NDF: 2805829.3/35

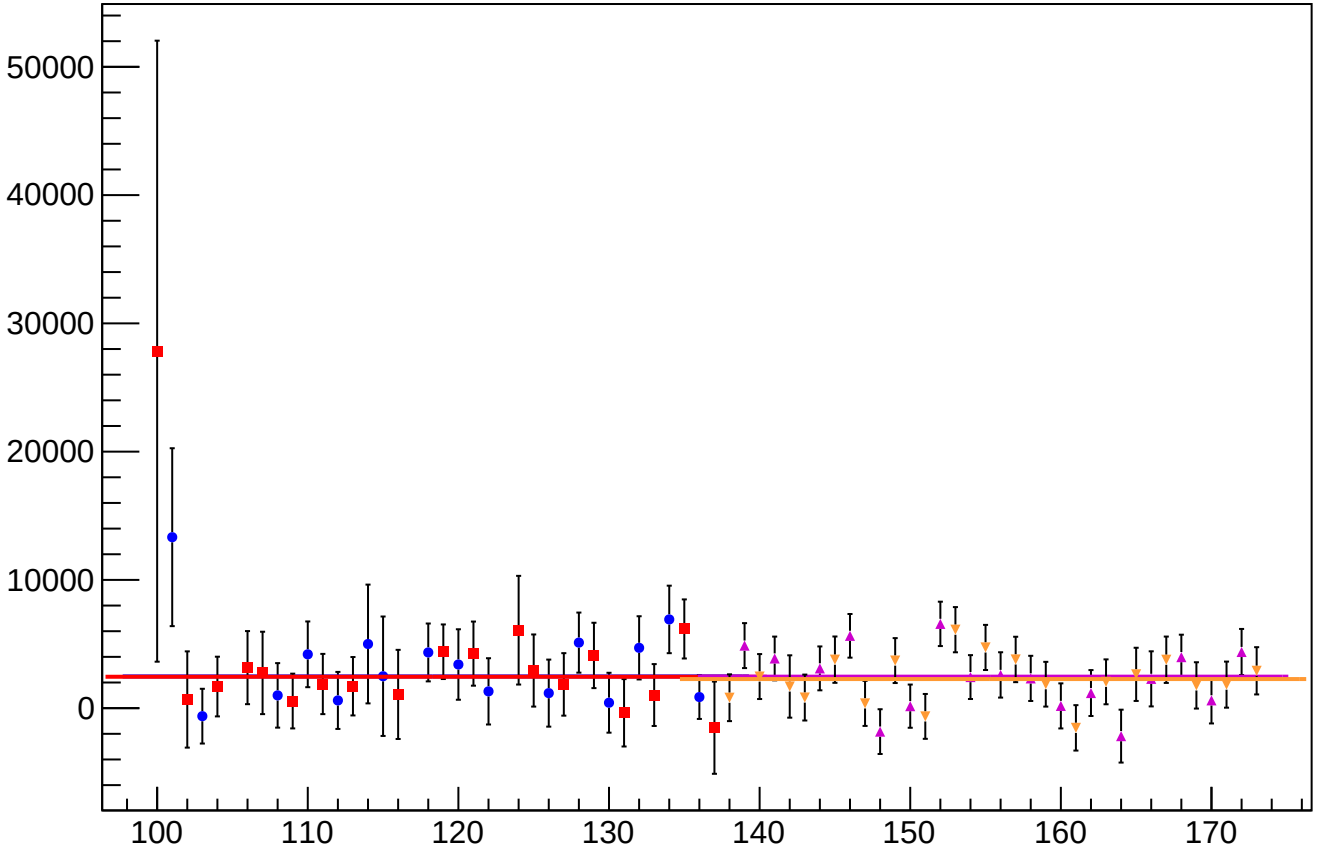
Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 927.978+/-0.147 χ^2/NDF:2300865.0/32

Out: 900.538+/-0.140 χ^2/NDF:2635428.6/37

All: 913.600+/-0.101 χ^2/NDF: 4954525.4/70

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2269.448+/-415.956 χ^2/NDF:19.8/18

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2456.767+/-430.724 χ^2/NDF:30.0/16

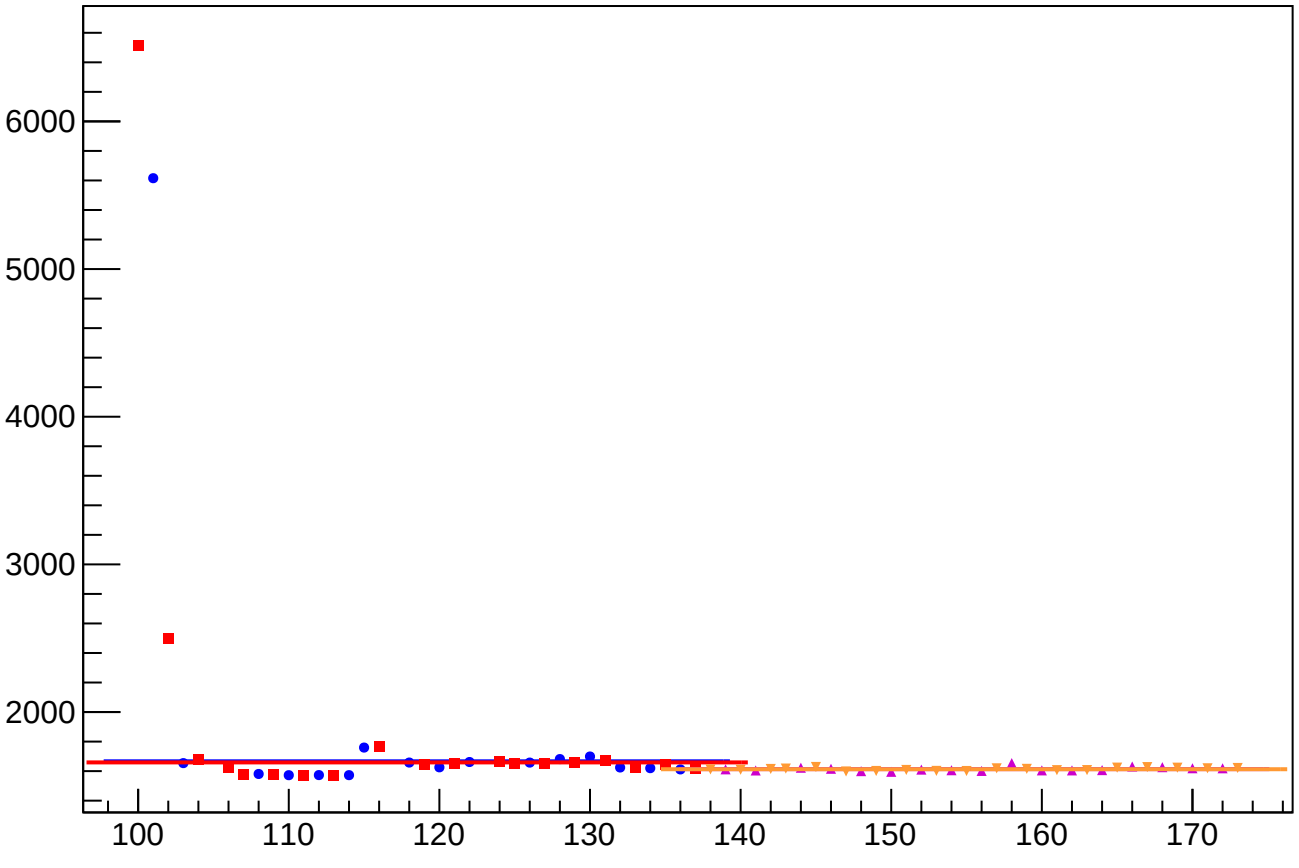
Left: 2359.841+/-299.210 χ^2/NDF: 49.9/35

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2462.599+/-356.257 χ^2/NDF:44.2/32

Out: 2325.504+/-344.992 χ^2/NDF:30.4/37

All: 2391.850+/-247.833 χ^2/NDF: 74.7/70



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1612.829+/-0.294 χ^2/NDF:987.9/18

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1613.590+/-0.305 χ^2/NDF:2084.3/16

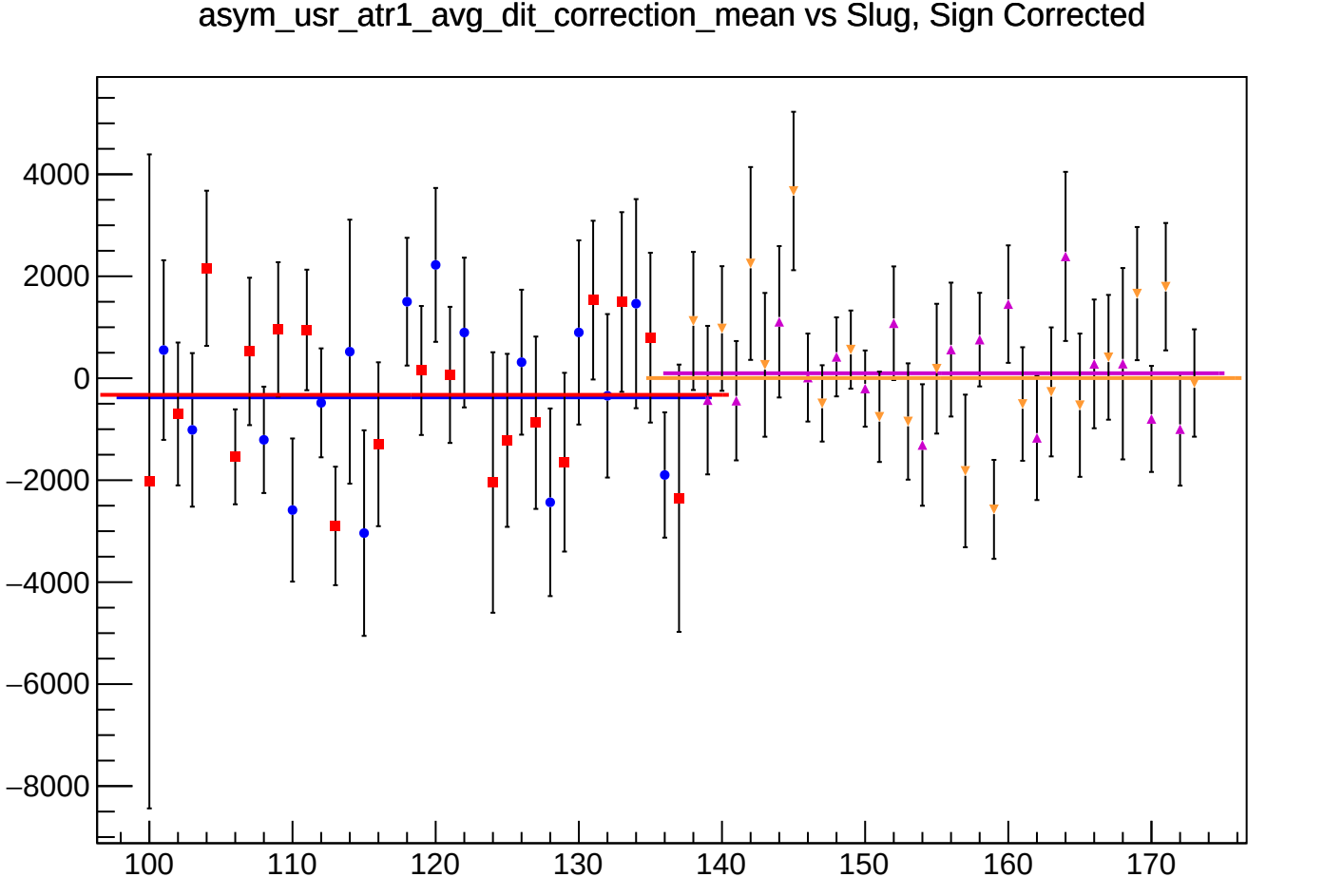
Left: 1613.197+/-0.212 χ^2/NDF: 3075.4/35

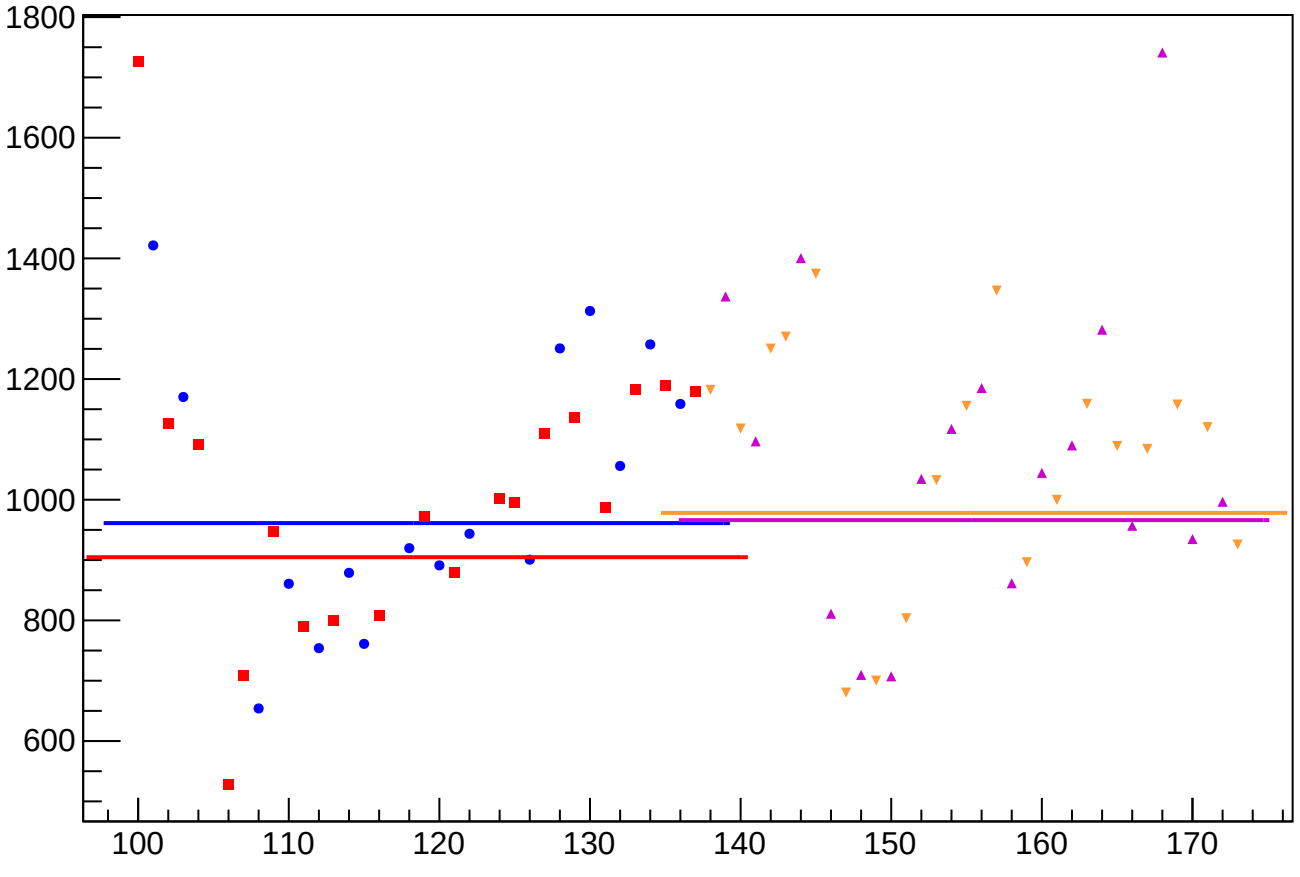
Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1630.272+/-0.252 χ^2/NDF:674495.9/32

Out: 1627.241+/-0.244 χ^2/NDF:201903.9/37

All: 1628.708+/-0.175 χ^2/NDF: 876474.4/70


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
170
Right In: -374.592+/-367.944 χ²/NDF: 15.7/15
Left Out: 3.368+/-259.937 χ²/NDF:23.3/18
Right Out: -325.671+/-340.620 χ²/NDF: 17.4/18
Left In: 97.713+/-265.666 χ²/NDF:10.1/16
Left: 49.512+/-185.796 χ²/NDF: 33.5/35
Right: -348.248+/-249.957 χ²/NDF: 33.1/34
In: -64.135+/-215.390 χ²/NDF:26.9/32
Out: -117.730+/-206.640 χ²/NDF:41.3/37
All: -92.043+/-149.114 χ²/NDF: 68.3/70



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 978.157+/-0.184 χ^2/NDF:1303002.5/18

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 966.162+/-0.188 χ^2/NDF:1417420.3/16

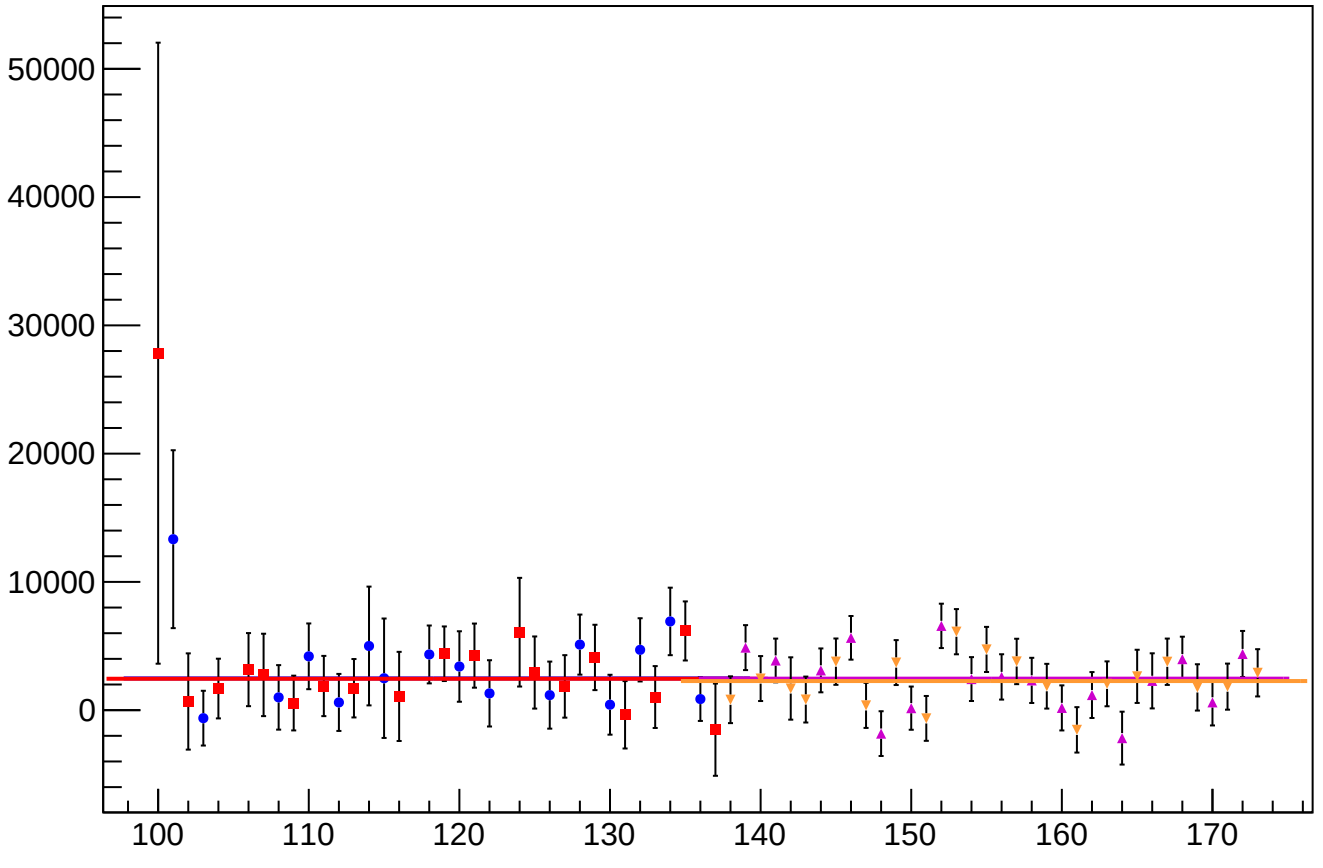
Left: 972.290+/-0.131 χ^2/NDF: 2722505.7/35

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 964.476+/-0.152 χ^2/NDF:2109530.7/32

Out: 951.136+/-0.146 χ^2/NDF:2098211.7/37

All: 957.530+/-0.105 χ^2/NDF: 4211737.7/70



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2269.448+/-415.956 χ^2/NDF:19.8/18

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2456.767+/-430.724 χ^2/NDF:30.0/16

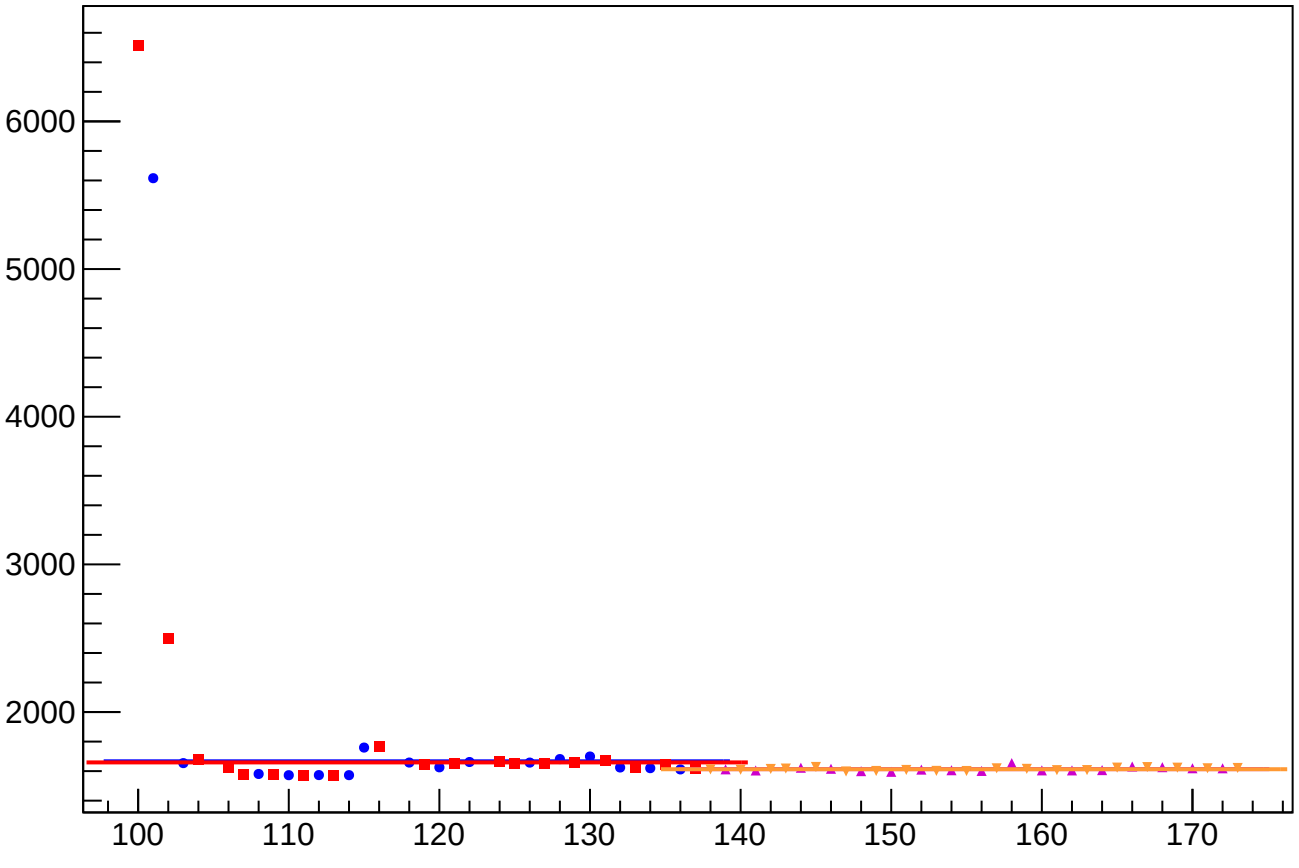
Left: 2359.841+/-299.210 χ^2/NDF: 49.9/35

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2462.599+/-356.257 χ^2/NDF:44.2/32

Out: 2325.503+/-344.992 χ^2/NDF:30.4/37

All: 2391.849+/-247.833 χ^2/NDF: 74.7/70



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1612.829+/-0.294 χ^2/NDF:987.9/18

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1613.590+/-0.305 χ^2/NDF:2084.3/16

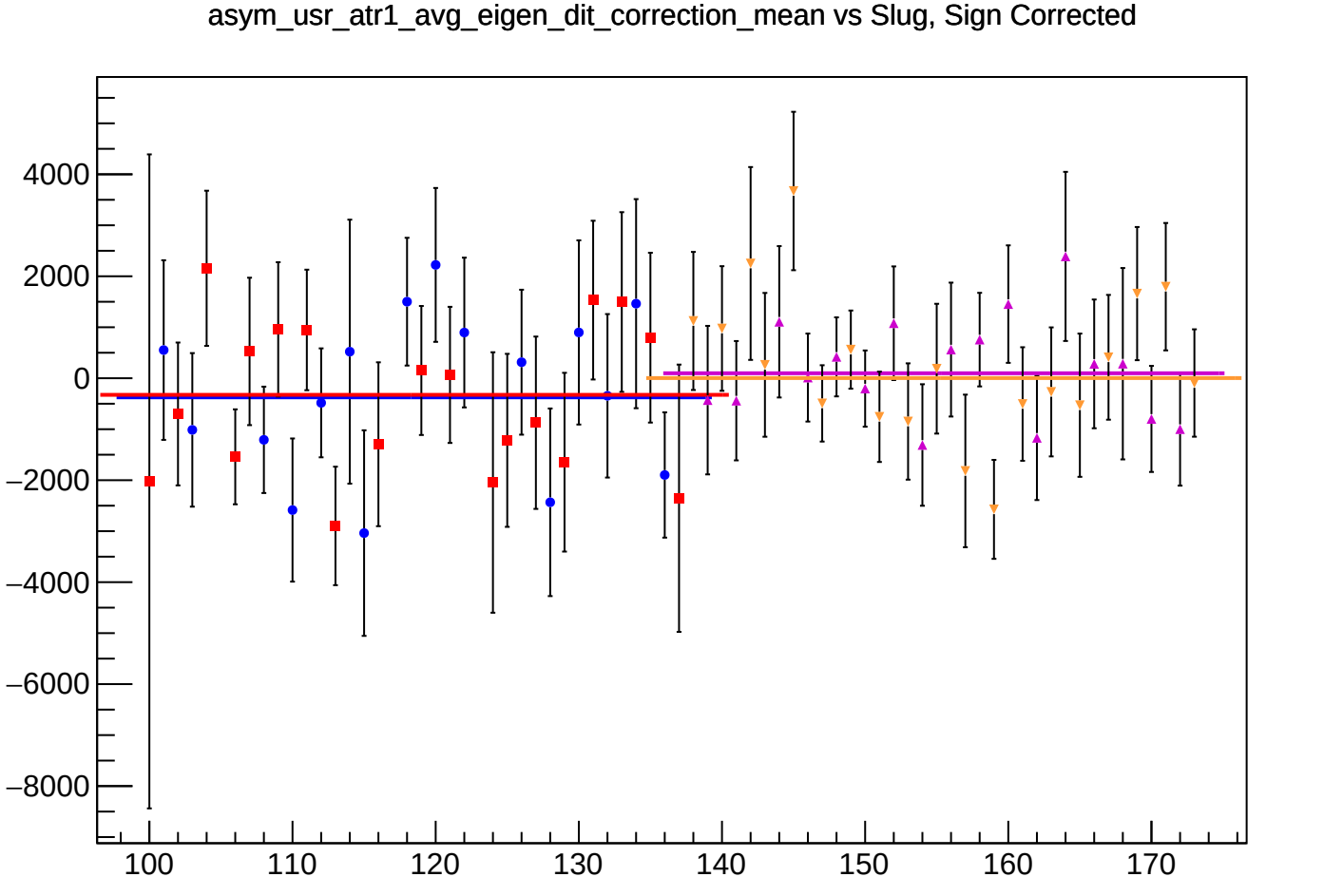
Left: 1613.197+/-0.212 χ^2/NDF: 3075.4/35

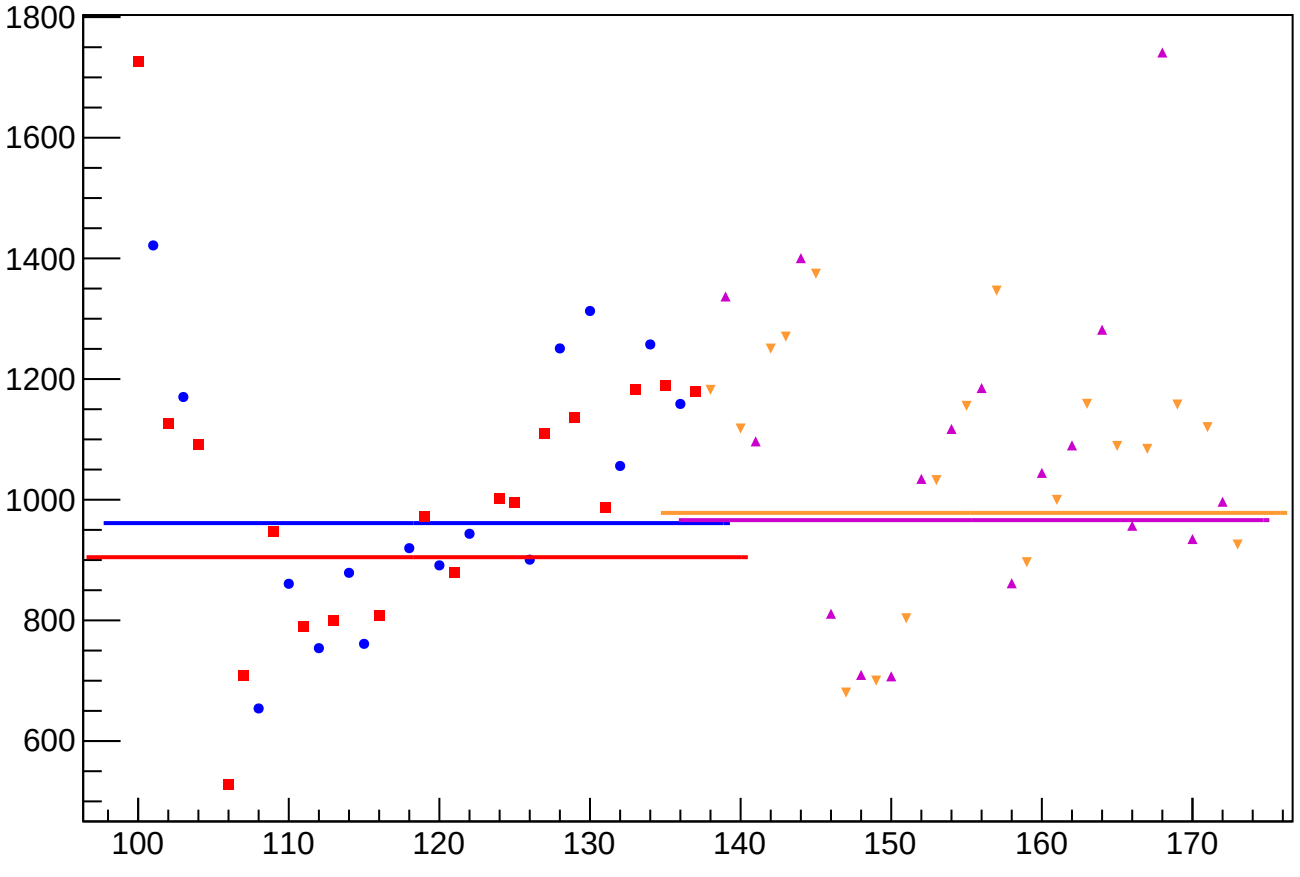
Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1630.272+/-0.252 χ^2/NDF:674495.8/32

Out: 1627.241+/-0.244 χ^2/NDF:201903.6/37

All: 1628.708+/-0.175 χ^2/NDF: 876474.2/70


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
170
Right In: -374.590+/-367.943 χ²/NDF: 15.7/15
Left Out: 3.366+/-259.938 χ²/NDF:23.3/18
Right Out: -325.670+/-340.619 χ²/NDF: 17.4/18
Left In: 97.713+/-265.666 χ²/NDF:10.1/16
Left: 49.512+/-185.796 χ²/NDF: 33.5/35
Right: -348.247+/-249.956 χ²/NDF: 33.1/34
In: -64.135+/-215.390 χ²/NDF:26.9/32
Out: -117.731+/-206.640 χ²/NDF:41.3/37
All: -92.044+/-149.114 χ²/NDF: 68.3/70



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 978.159+/-0.184 χ^2/NDF:1303005.8/18

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 966.164+/-0.188 χ^2/NDF:1417423.7/16

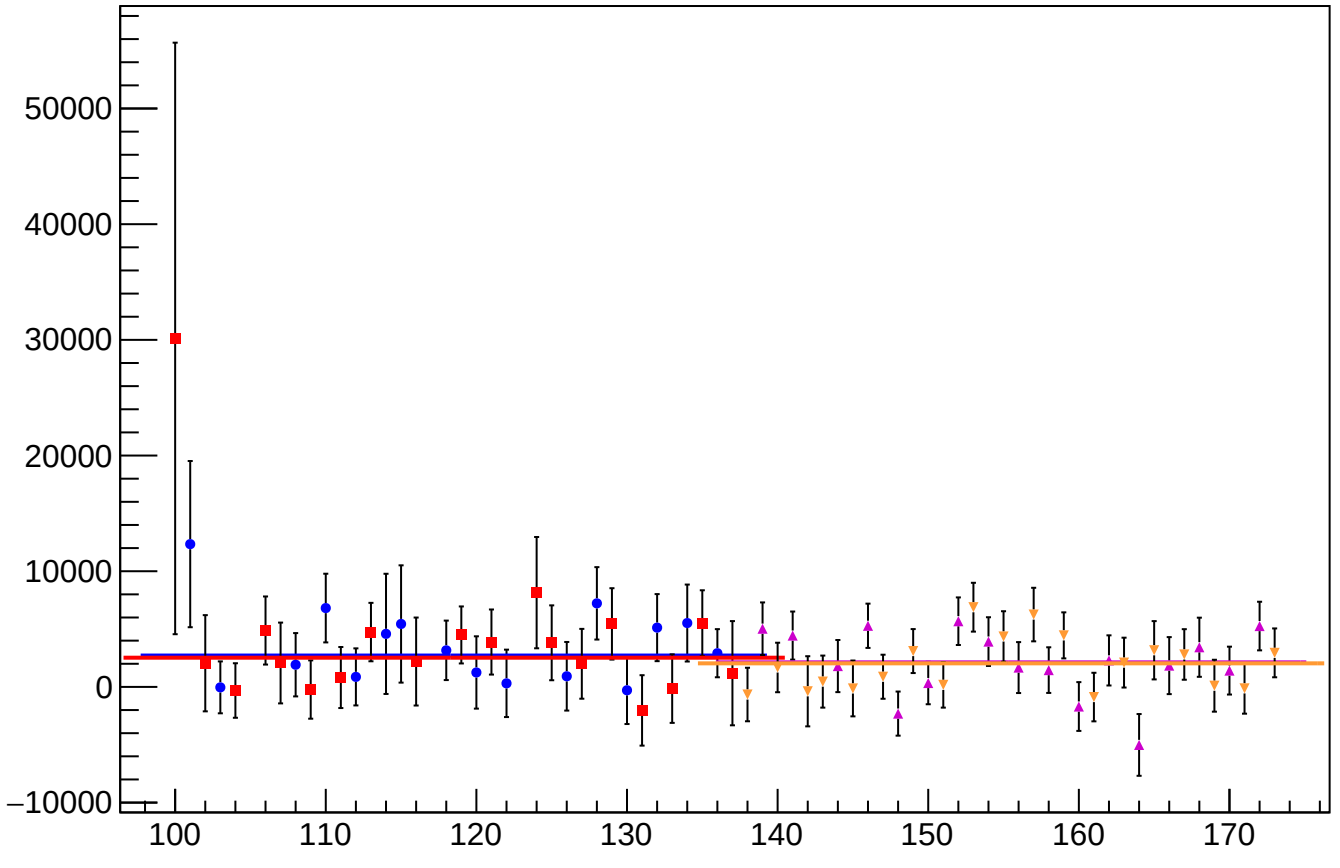
Left: 972.292+/-0.131 χ^2/NDF: 2722512.5/35

Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 964.476+/-0.152 χ^2/NDF:2109542.7/32

Out: 951.136+/-0.146 χ^2/NDF:2098219.9/37

All: 957.530+/-0.105 χ^2/NDF: 4211757.7/70



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2036.995+/-499.452 χ^2/NDF:20.3/18

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 2124.375+/-516.439 χ^2/NDF:28.9/16

Left: 2079.225+/-359.021 χ^2/NDF: 49.2/35

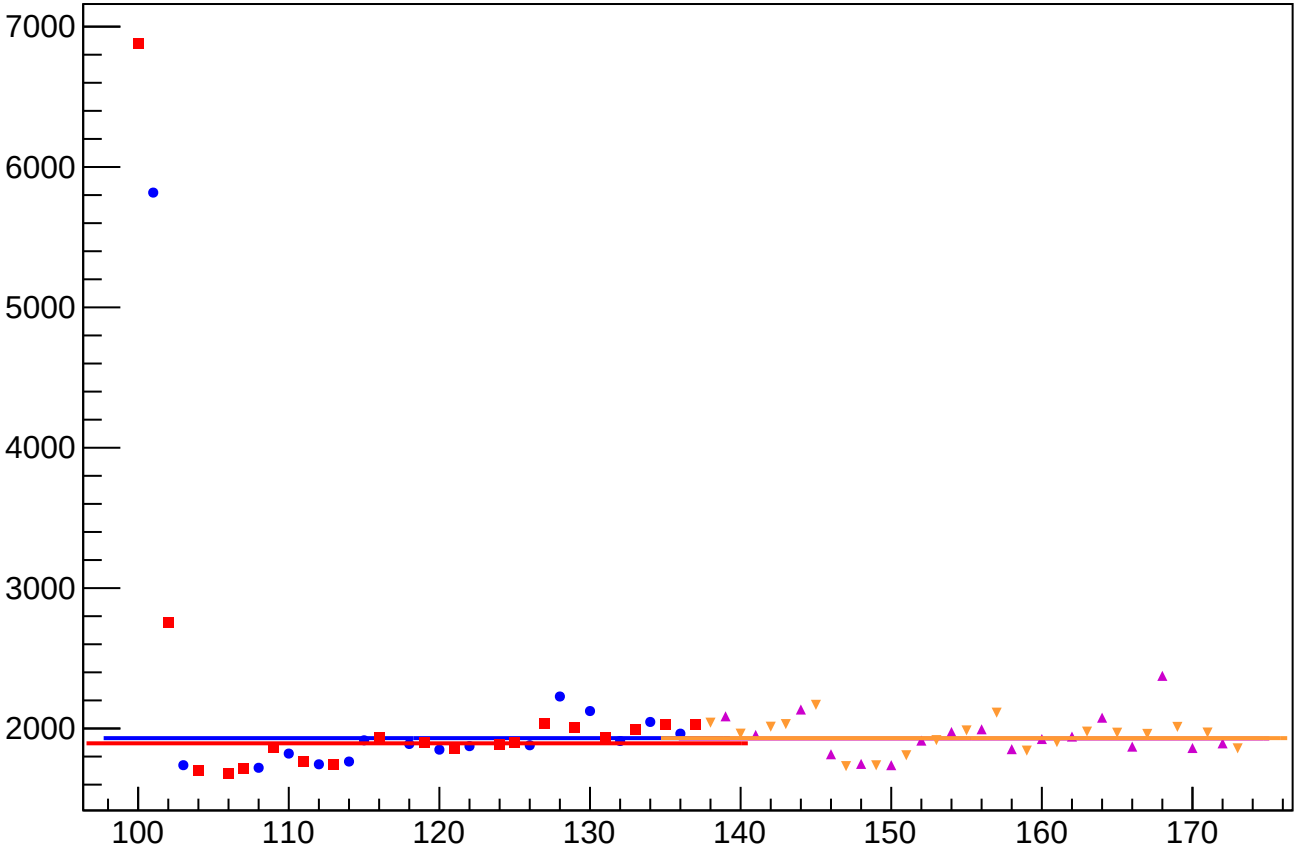
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2318.367+/-422.576 χ^2/NDF:41.5/32

Out: 2199.806+/-407.824 χ^2/NDF:33.8/37

All: 2256.981+/-293.452 χ^2/NDF: 75.3/70

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1931.279+/-0.353 χ^2/NDF:105448.6/18

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1928.597+/-0.365 χ^2/NDF:149910.5/16

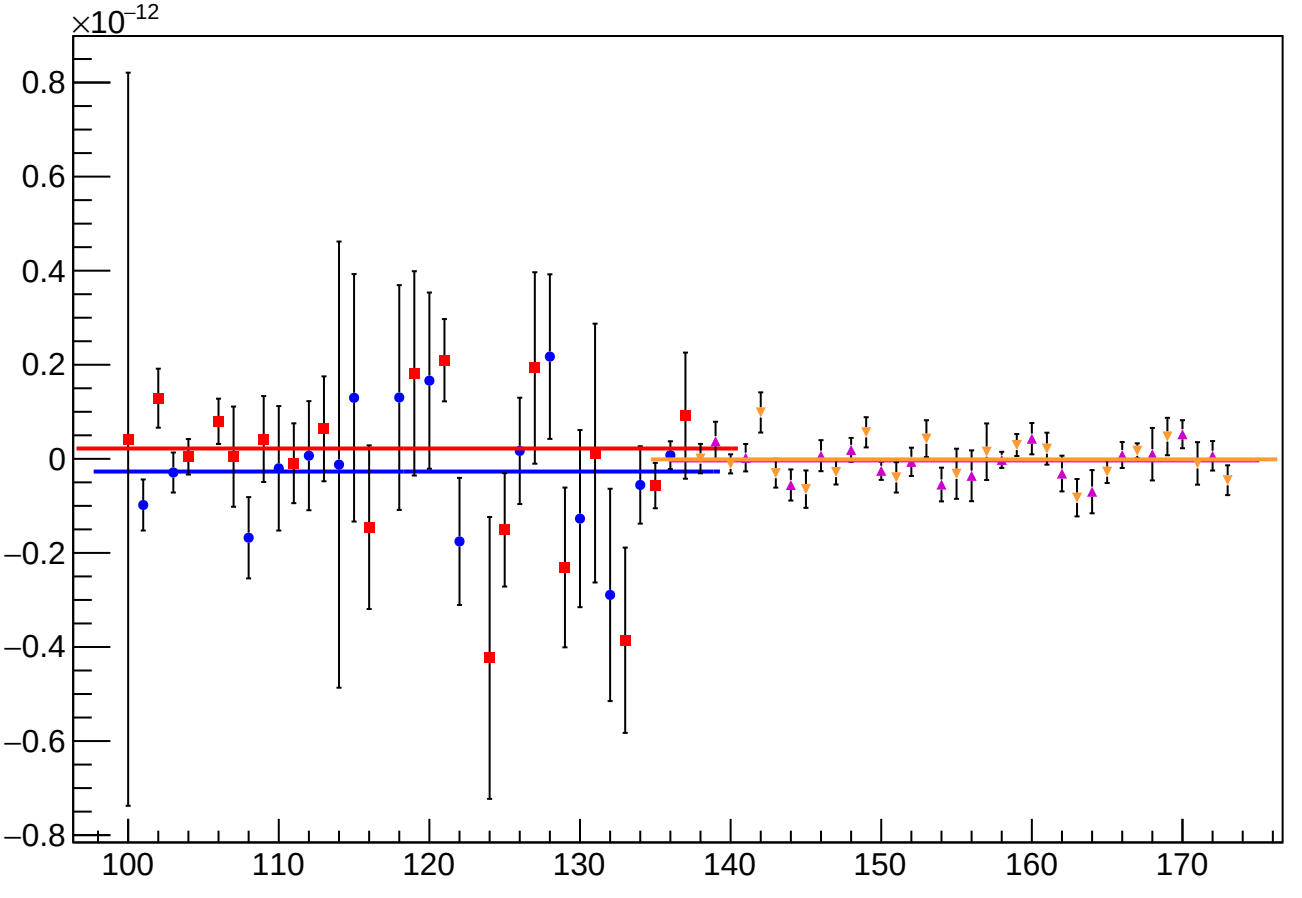
Left: 1929.983+/-0.254 χ^2/NDF: 255387.1/35

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1929.473+/-0.299 χ^2/NDF:811155.1/32

Out: 1918.972+/-0.288 χ^2/NDF:329633.9/37

All: 1924.036+/-0.208 χ^2/NDF: 1141428.5/70



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: -0.000+/-0.000 χ^2/NDF:16.5/16

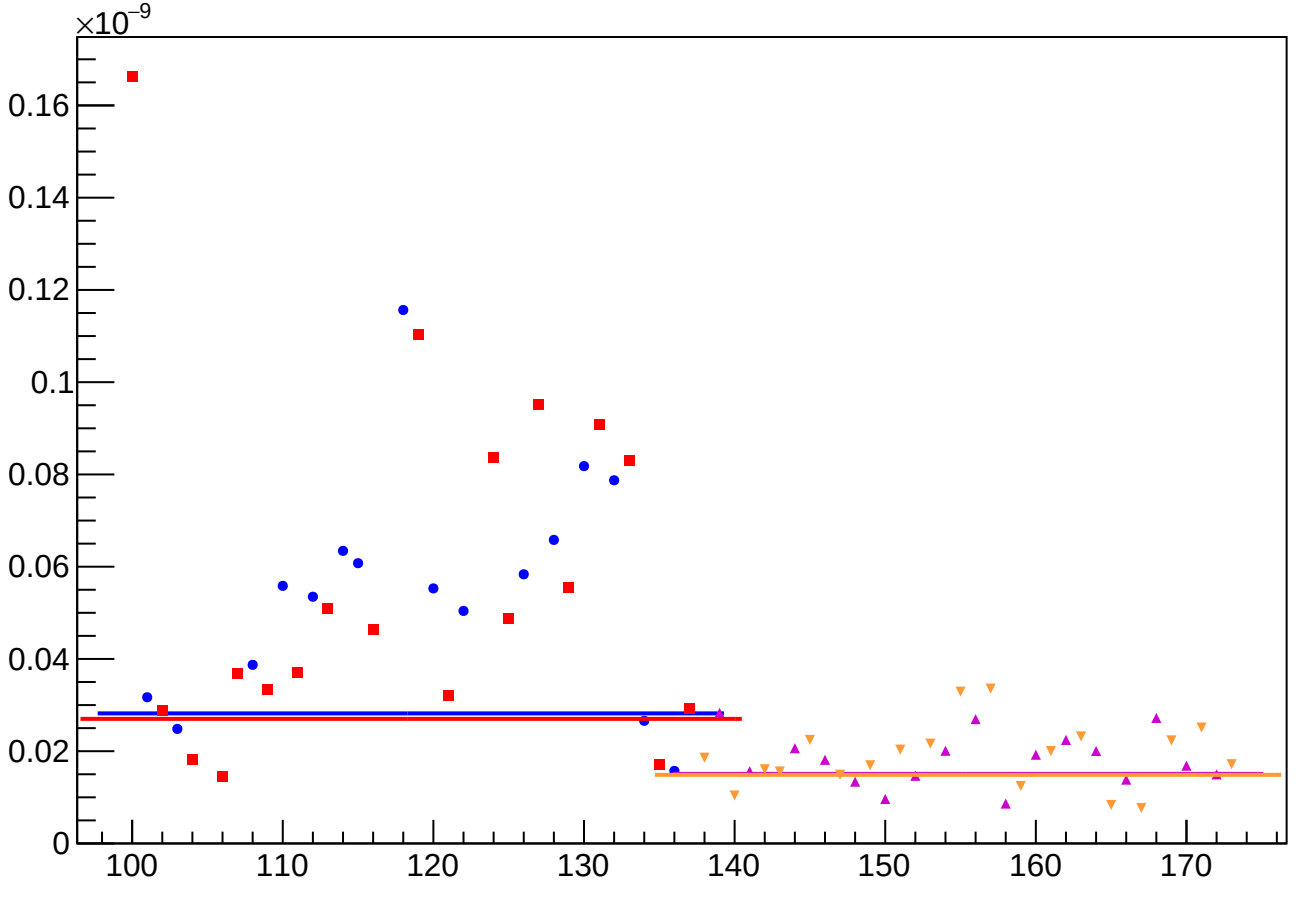
Left: -0.000+/-0.000 χ^2/NDF: 45.3/35

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:30.6/32

Out: 0.000+/-0.000 χ^2/NDF:55.5/37

All: -0.000+/-0.000 χ^2/NDF: 86.7/70



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1643930.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1098533.8/16

Left: 0.000+/-0.000 χ^2/NDF: 2743359.2/35

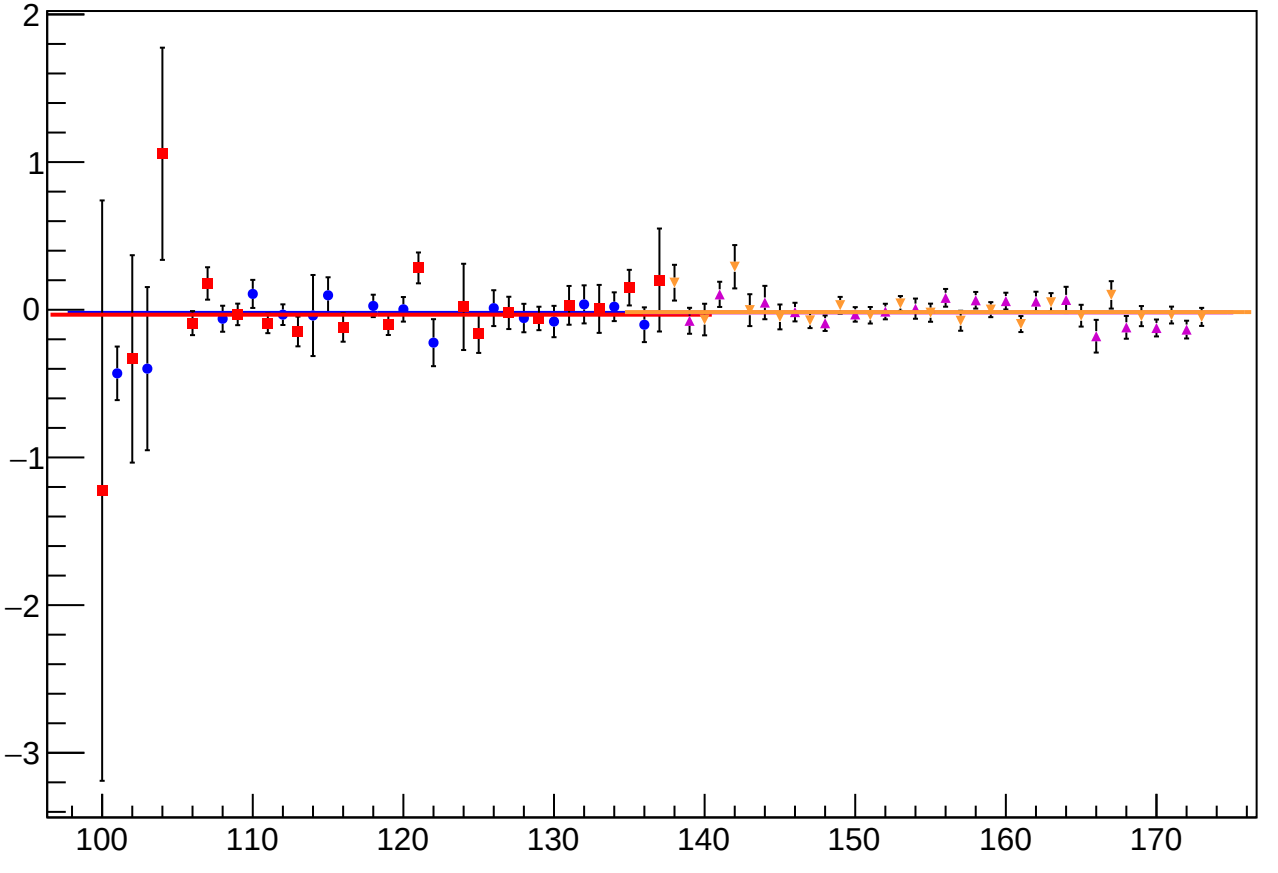
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:3409712.5/32

Out: 0.000+/-0.000 χ^2/NDF:3898391.4/37

All: 0.000+/-0.000 χ^2/NDF: 7313658.5/70

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: -0.016+/-0.015 χ^2/NDF:17.3/18

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.018+/-0.016 χ^2/NDF:24.8/16

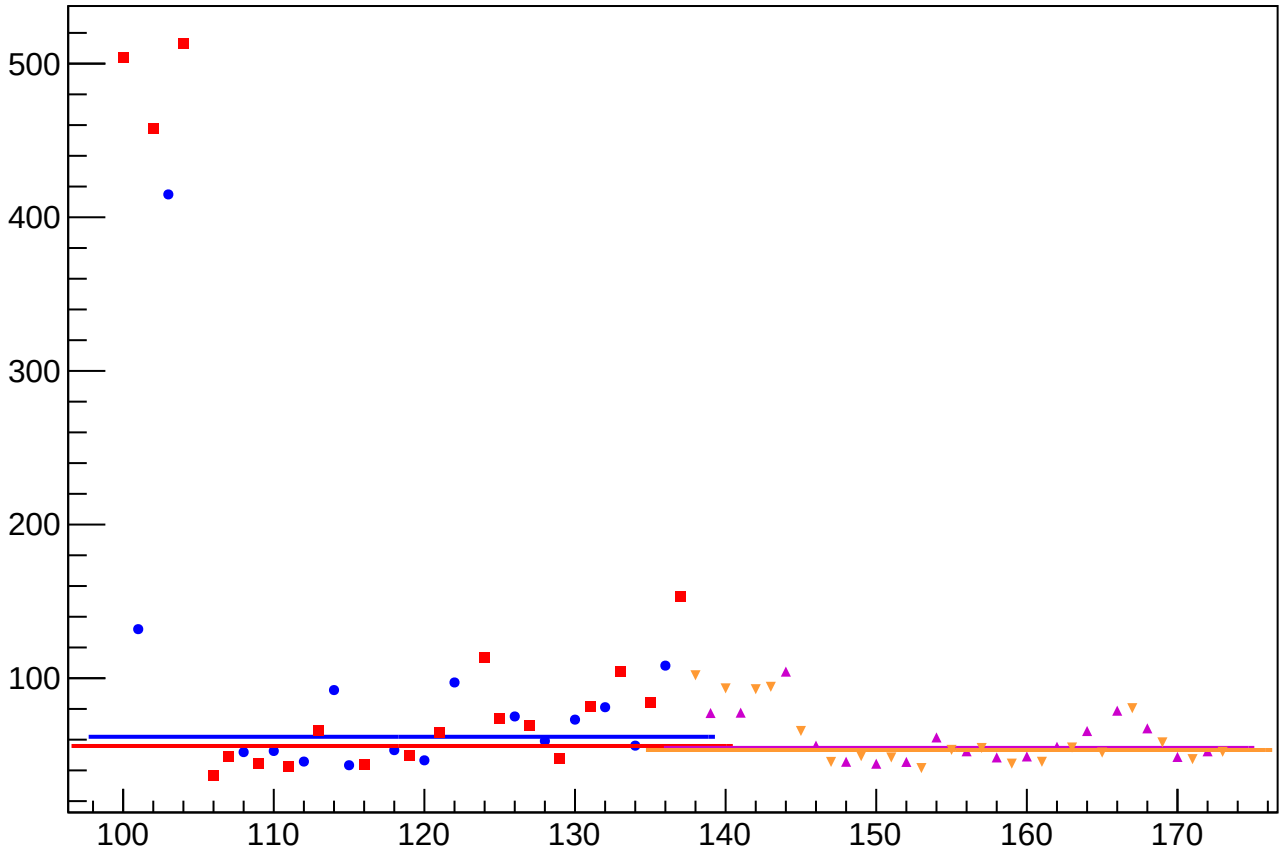
Left: -0.017+/-0.011 χ^2/NDF: 42.1/35

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.019+/-0.014 χ^2/NDF:36.8/32

Out: -0.021+/-0.013 χ^2/NDF:42.0/37

All: -0.020+/-0.009 χ^2/NDF: 78.9/70



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 53.279+/-0.011 χ^2/NDF:1570868.8/18

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.639+/-0.011 χ^2/NDF:1142435.4/16

Left: 53.931+/-0.008 χ^2/NDF: 2721090.1/35

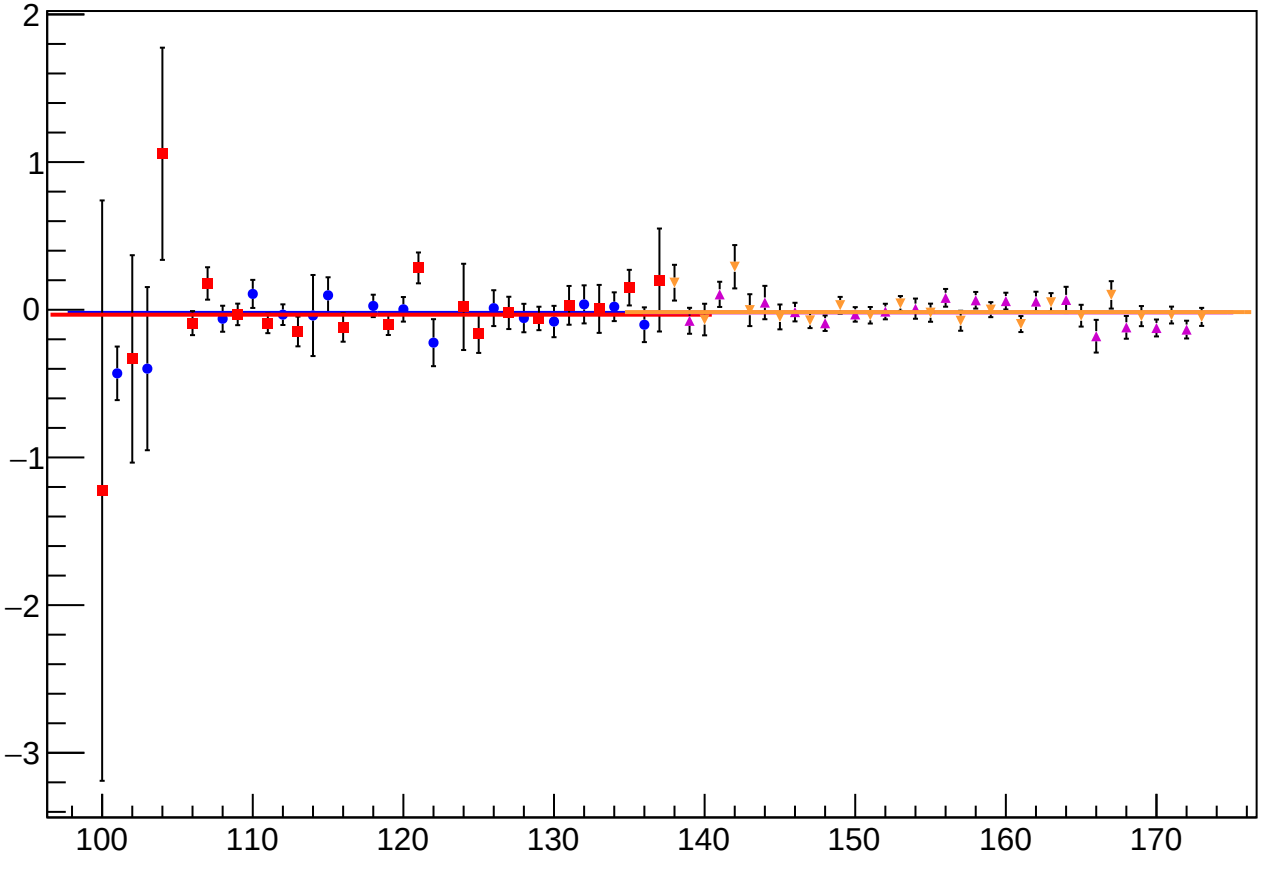
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.520+/-0.010 χ^2/NDF:3190304.9/32

Out: 53.993+/-0.009 χ^2/NDF:4178492.5/37

All: 55.193+/-0.007 χ^2/NDF: 7405398.7/70

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: -0.016+/-0.015 χ^2/NDF:17.3/18

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.018+/-0.016 χ^2/NDF:24.8/16

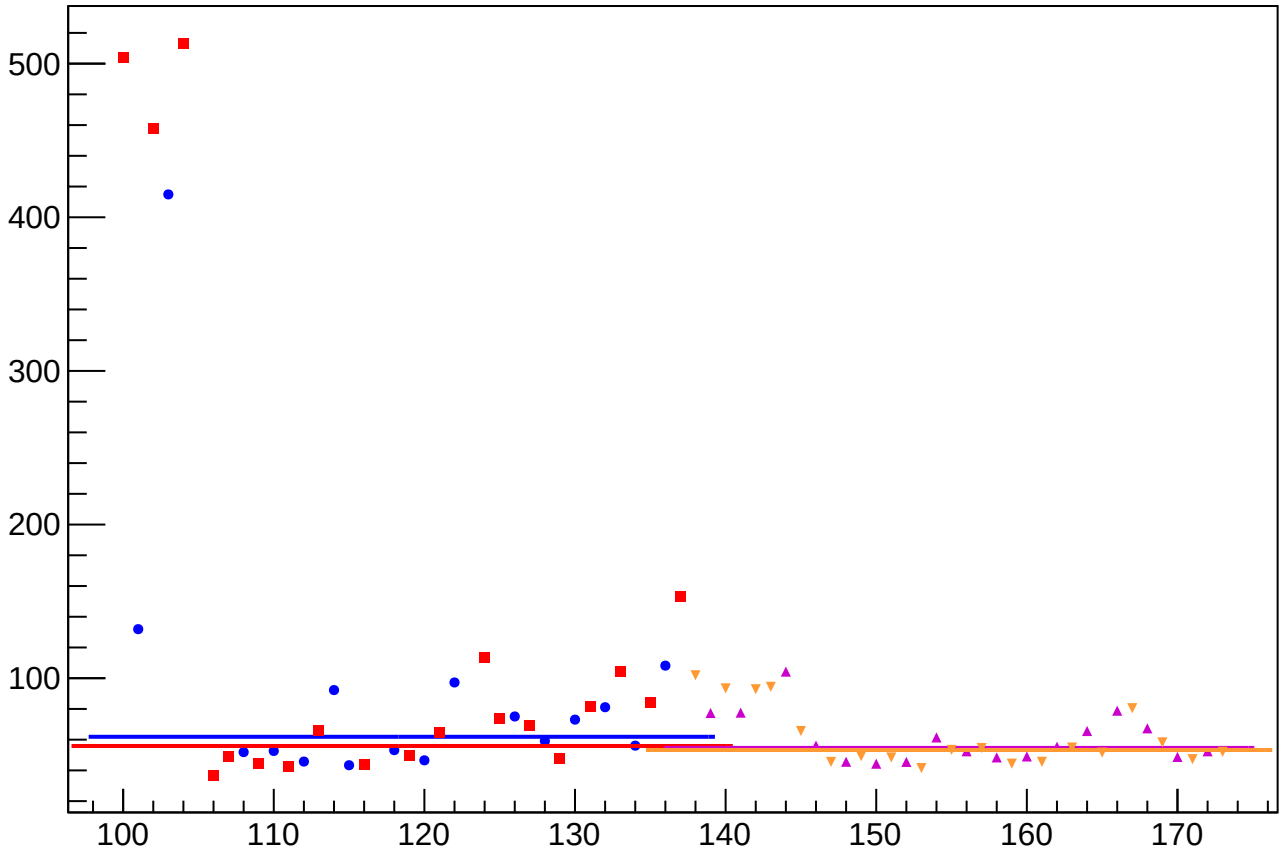
Left: -0.017+/-0.011 χ^2/NDF: 42.1/35

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.019+/-0.014 χ^2/NDF:36.8/32

Out: -0.021+/-0.013 χ^2/NDF:42.0/37

All: -0.020+/-0.009 χ^2/NDF: 78.9/70



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 53.279+/-0.011 χ^2/NDF:1570868.8/18

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.639+/-0.011 χ^2/NDF:1142435.4/16

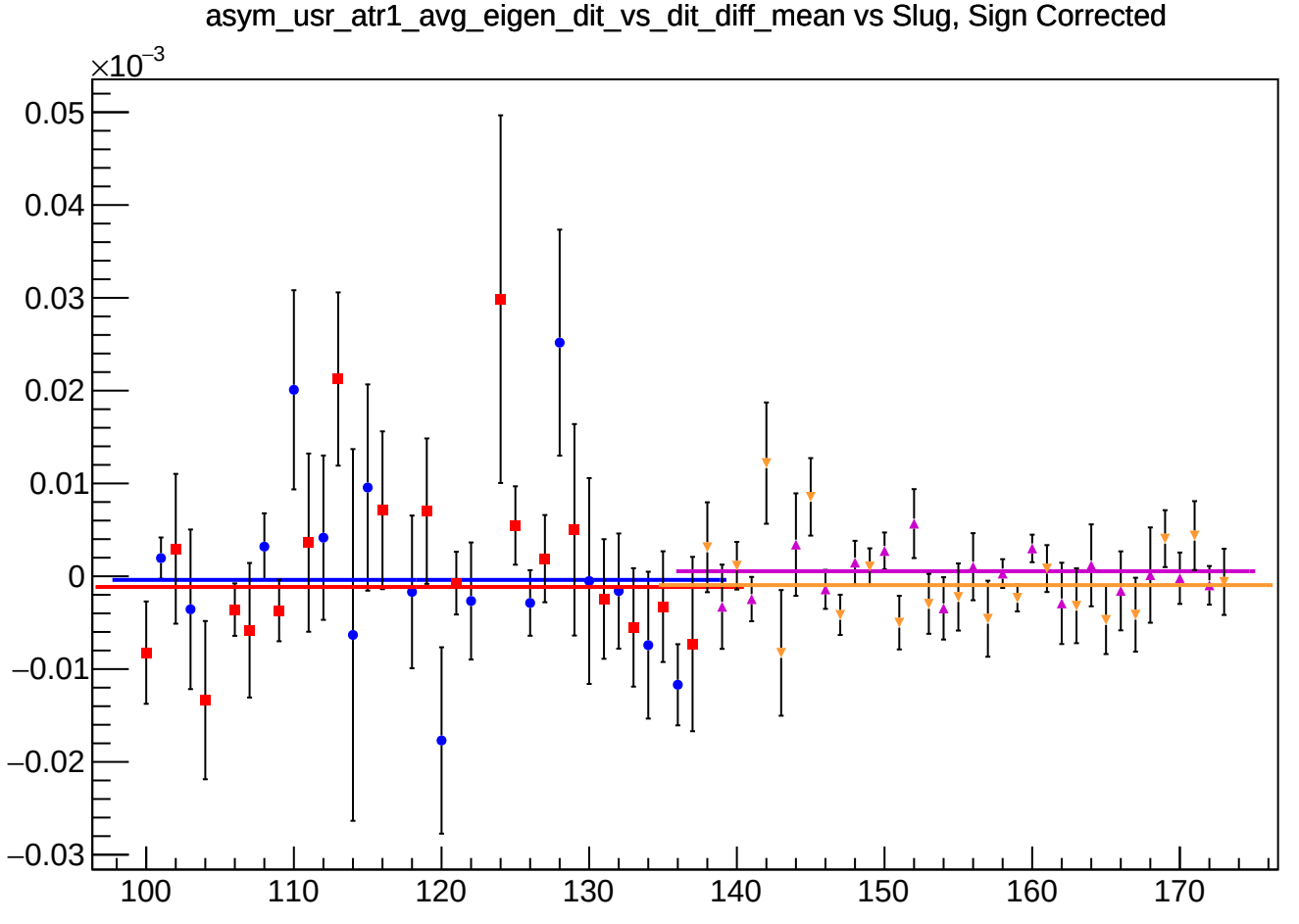
Left: 53.931+/-0.008 χ^2/NDF: 2721090.1/35

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.520+/-0.010 χ^2/NDF:3190304.9/32

Out: 53.993+/-0.009 χ^2/NDF:4178492.5/37

All: 55.193+/-0.007 χ^2/NDF: 7405398.7/70



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.4/18

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:12.4/16

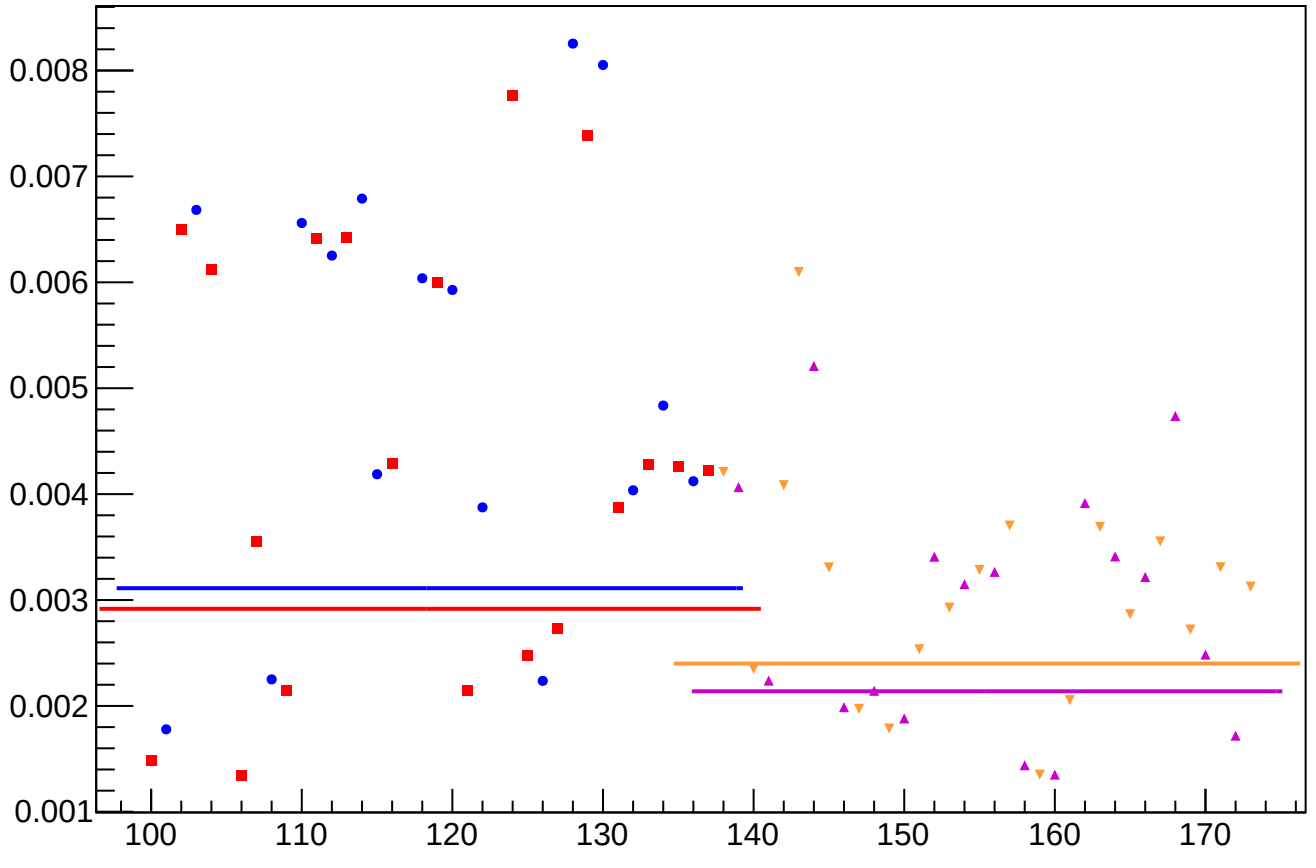
Left: -0.000+/-0.000 χ^2/NDF: 41.4/35

Right: -0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:35.4/32

Out: -0.000+/-0.000 χ^2/NDF:46.8/37

All: -0.000+/-0.000 χ^2/NDF: 85.0/70



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:3455071.4/18

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:3854509.0/16

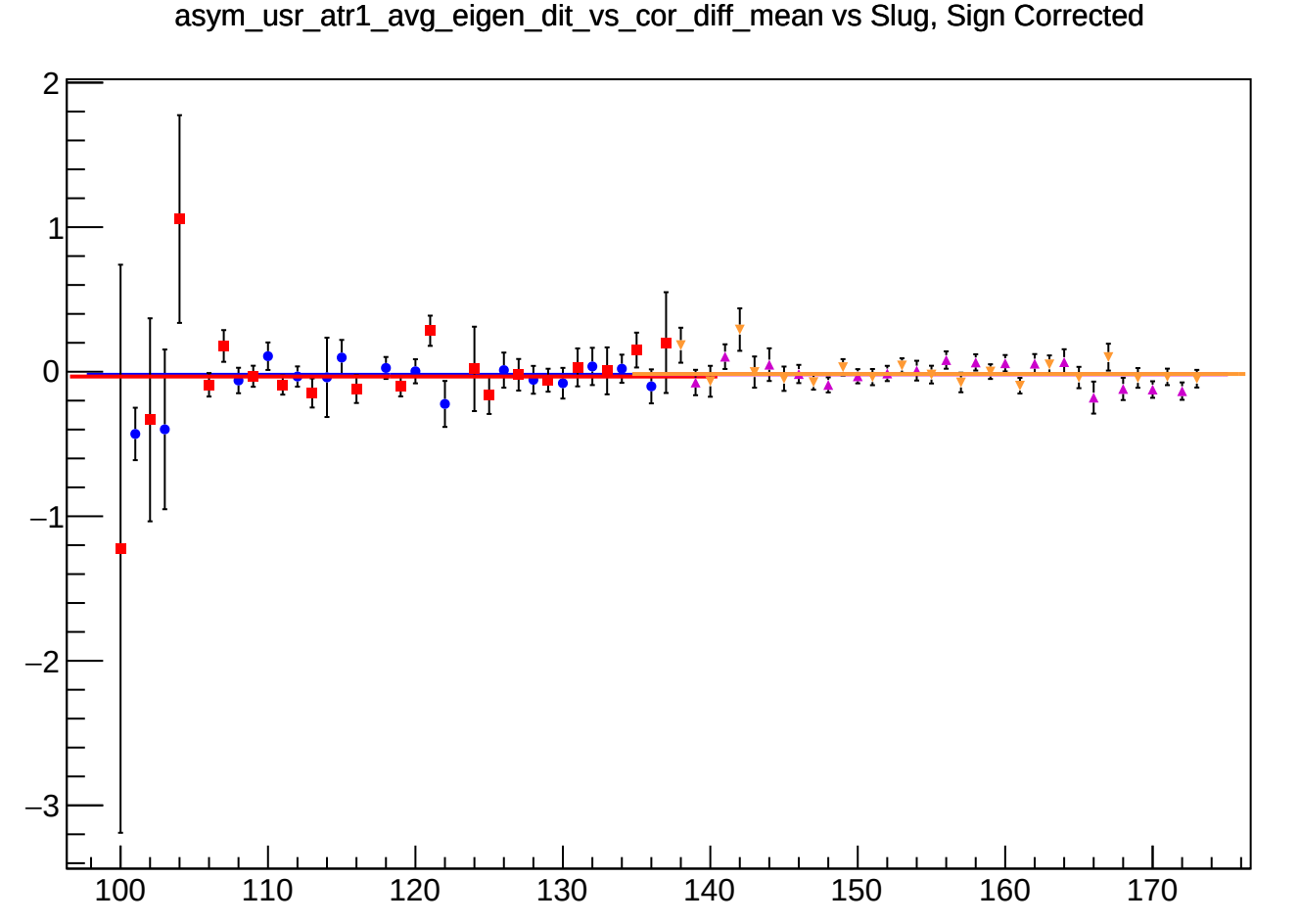
Left: 0.002+/-0.000 χ^2/NDF: 7472970.4/35

Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.002+/-0.000 χ^2/NDF:8015950.5/32

Out: 0.003+/-0.000 χ^2/NDF:7014594.1/37

All: 0.002+/-0.000 χ^2/NDF: 15154285.8/70



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.016+/-0.015 χ^2/NDF:17.3/18

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.018+/-0.016 χ^2/NDF:24.8/16

Left: -0.017+/-0.011 χ^2/NDF: 42.1/35

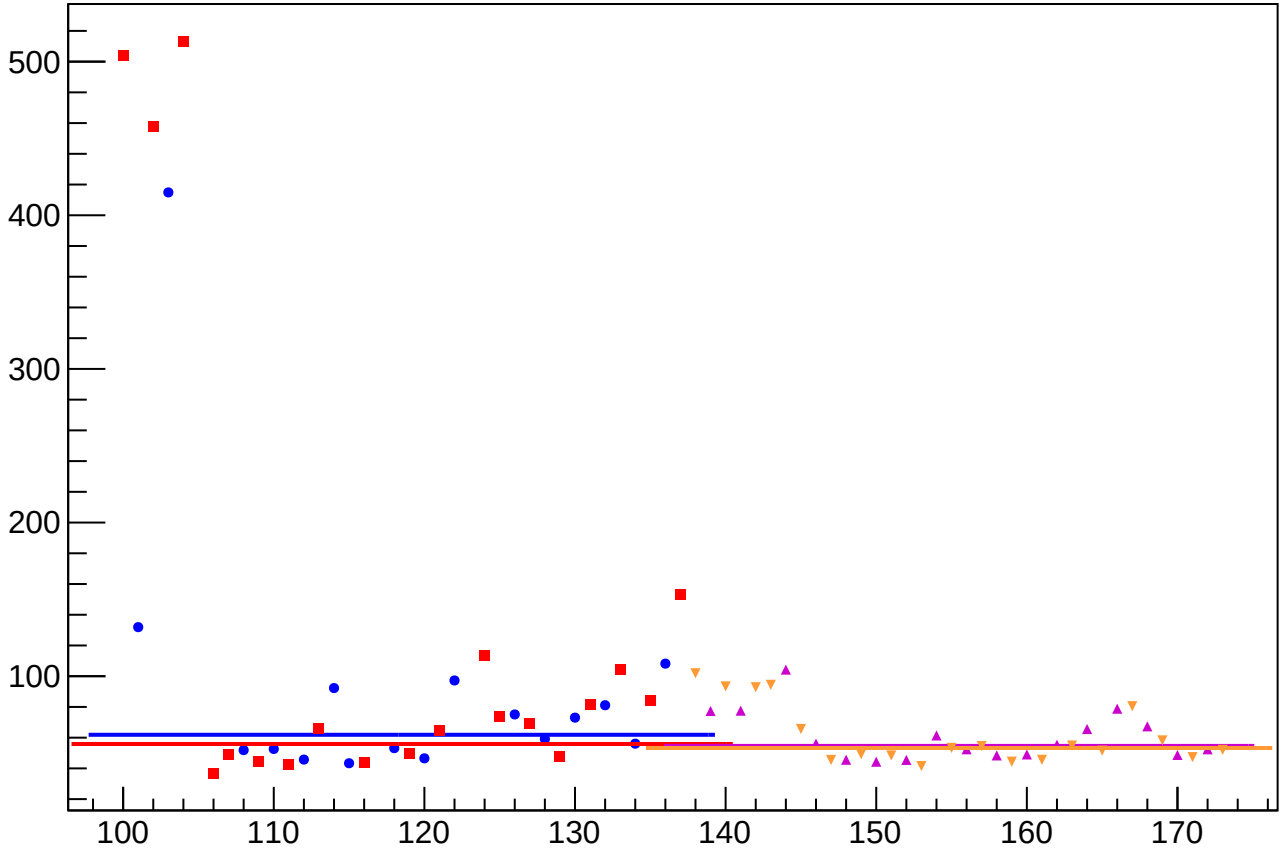
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.019+/-0.014 χ^2/NDF:36.8/32

Out: -0.021+/-0.013 χ^2/NDF:42.0/37

All: -0.020+/-0.009 χ^2/NDF: 78.9/70

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: 53.279+/-0.011 χ^2/NDF:1570909.1/18

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.640+/-0.011 χ^2/NDF:1142427.3/16

Left: 53.931+/-0.008 χ^2/NDF: 2721123.8/35

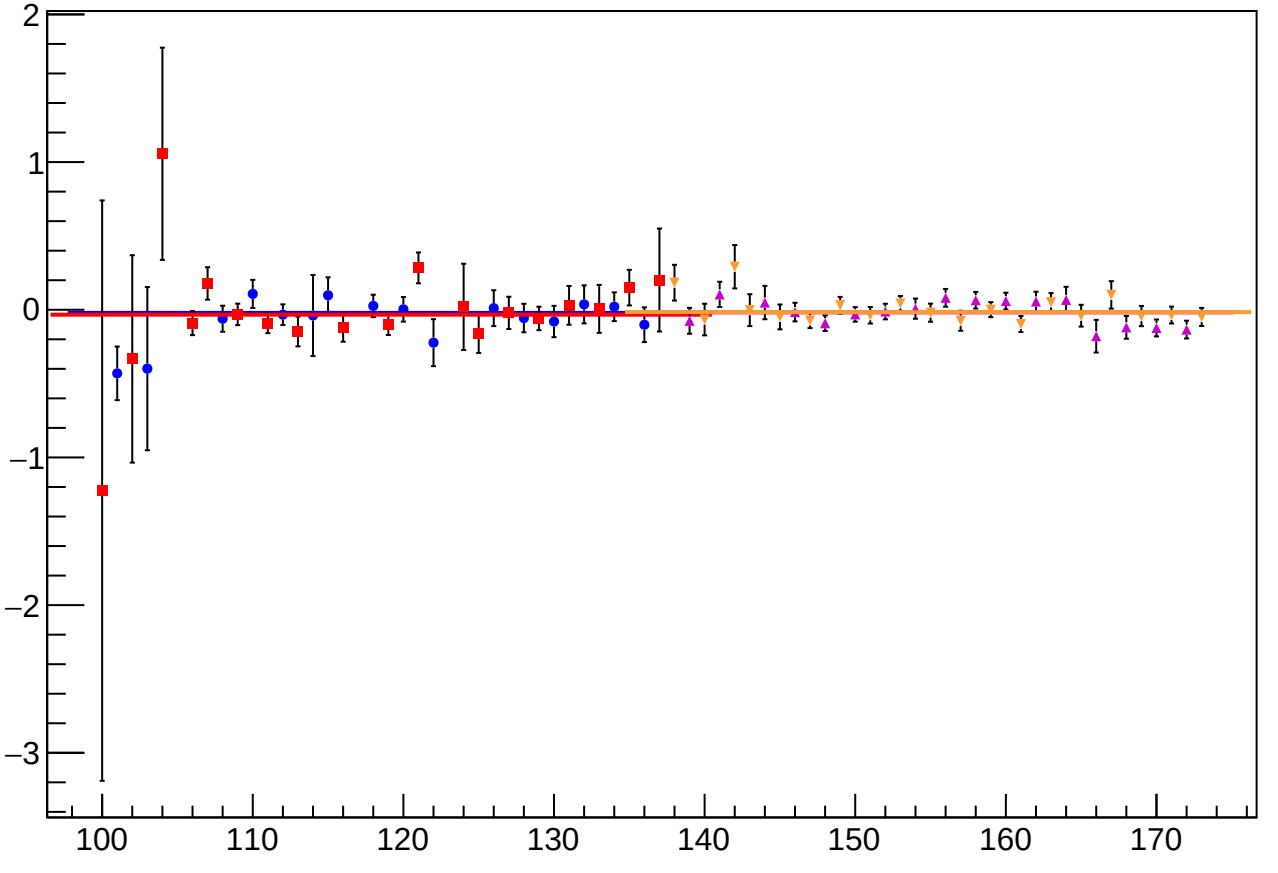
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.520+/-0.010 χ^2/NDF:3190222.5/32

Out: 53.993+/-0.009 χ^2/NDF:4178480.1/37

All: 55.193+/-0.007 χ^2/NDF: 7405309.1/70

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: -0.016+/-0.015 χ^2/NDF:17.3/18

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.018+/-0.016 χ^2/NDF:24.8/16

Left: -0.017+/-0.011 χ^2/NDF: 42.1/35

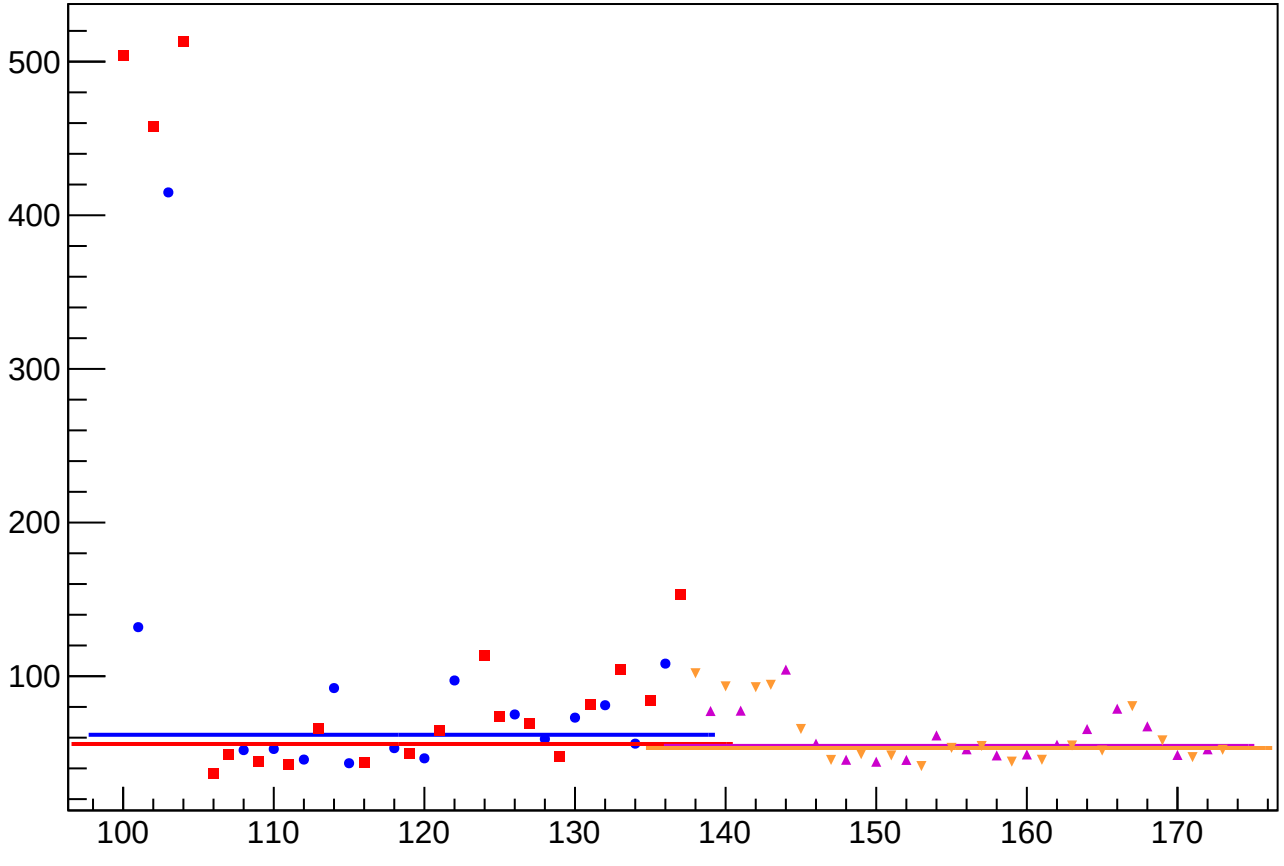
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.019+/-0.014 χ^2/NDF:36.8/32

Out: -0.021+/-0.013 χ^2/NDF:42.0/37

All: -0.020+/-0.009 χ^2/NDF: 78.9/70

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: 53.279+/-0.011 χ^2/NDF:1570909.1/18

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.640+/-0.011 χ^2/NDF:1142427.3/16

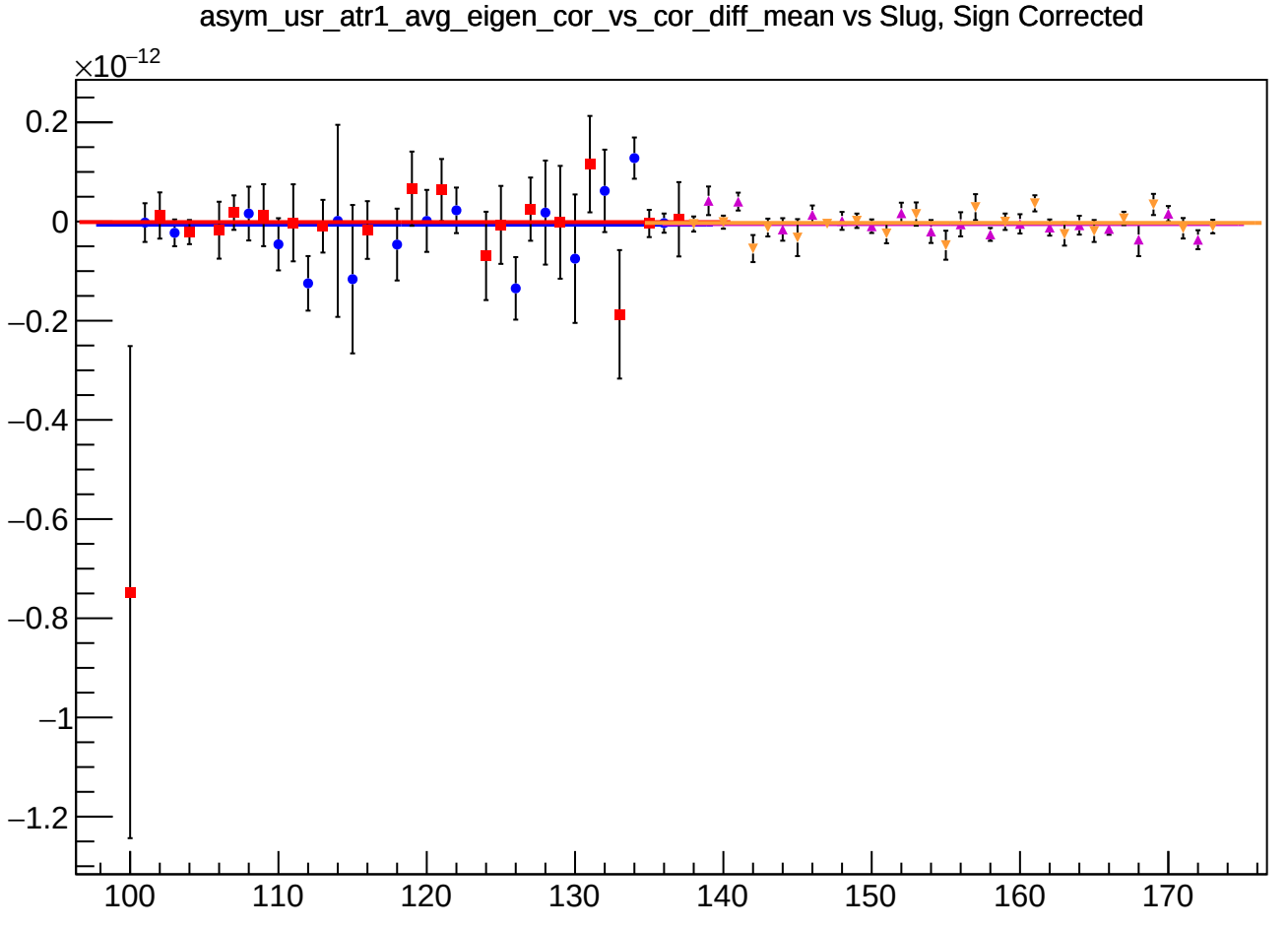
Left: 53.931+/-0.008 χ^2/NDF: 2721123.8/35

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.520+/-0.010 χ^2/NDF:3190222.5/32

Out: 53.993+/-0.009 χ^2/NDF:4178480.1/37

All: 55.193+/-0.007 χ^2/NDF: 7405309.1/70



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:20.7/16

Left: -0.000+/-0.000 χ^2/NDF: 42.5/35

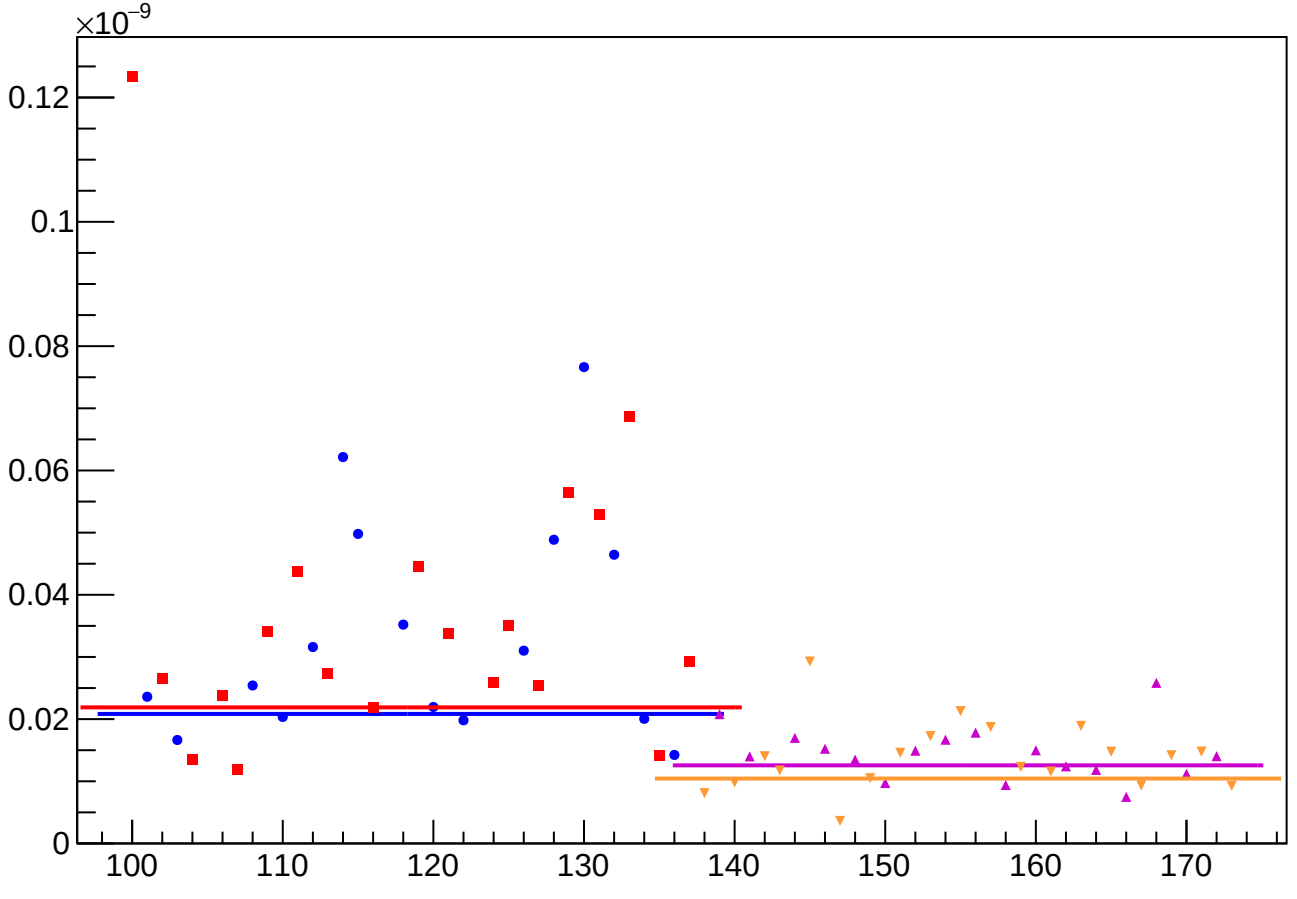
Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: -0.000+/-0.000 χ^2/NDF:43.3/32

Out: -0.000+/-0.000 χ^2/NDF:31.4/37

All: -0.000+/-0.000 χ^2/NDF: 75.0/70

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3227103.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1418986.4/16

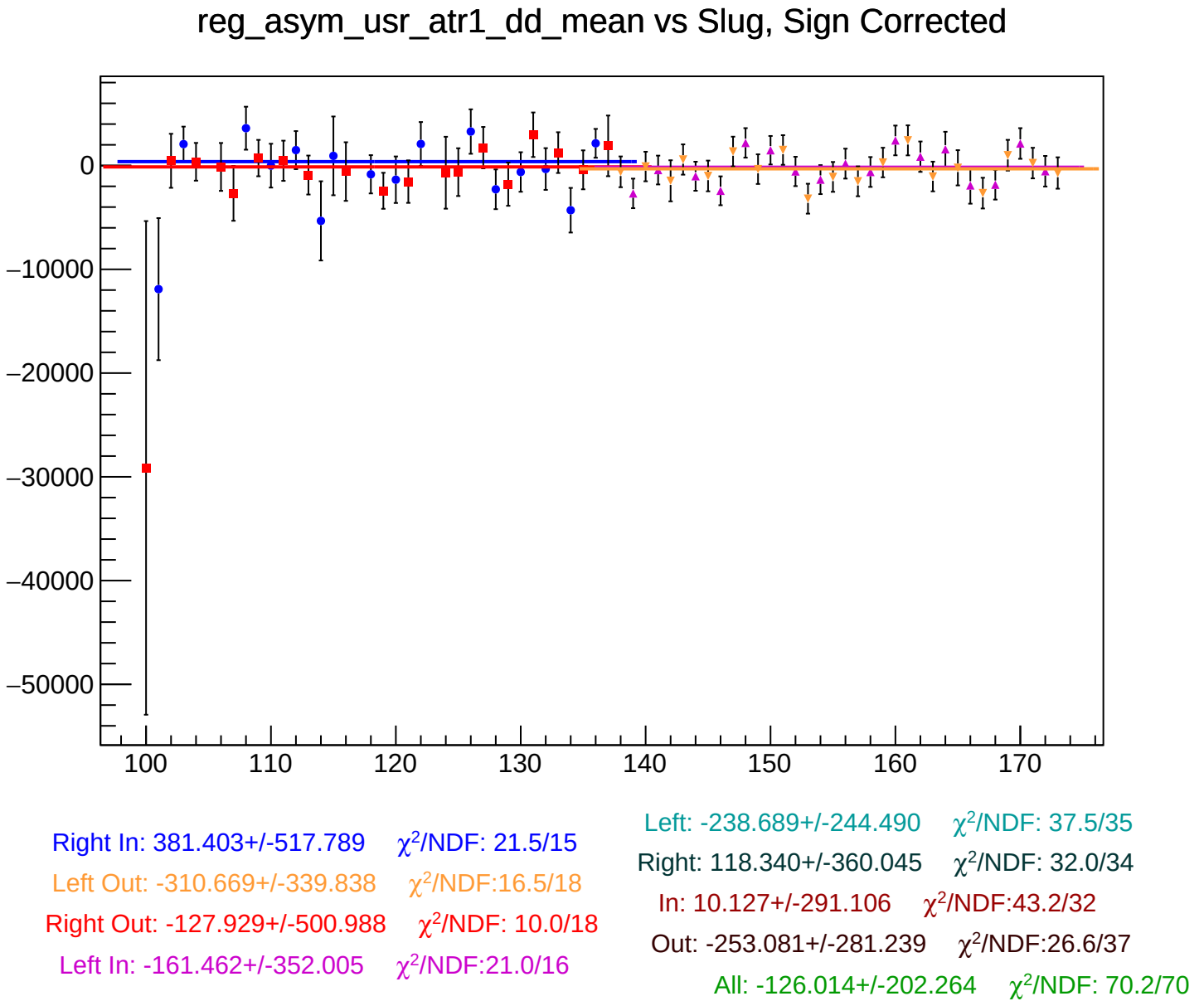
Left: 0.000+/-0.000 χ^2/NDF: 4916080.9/35

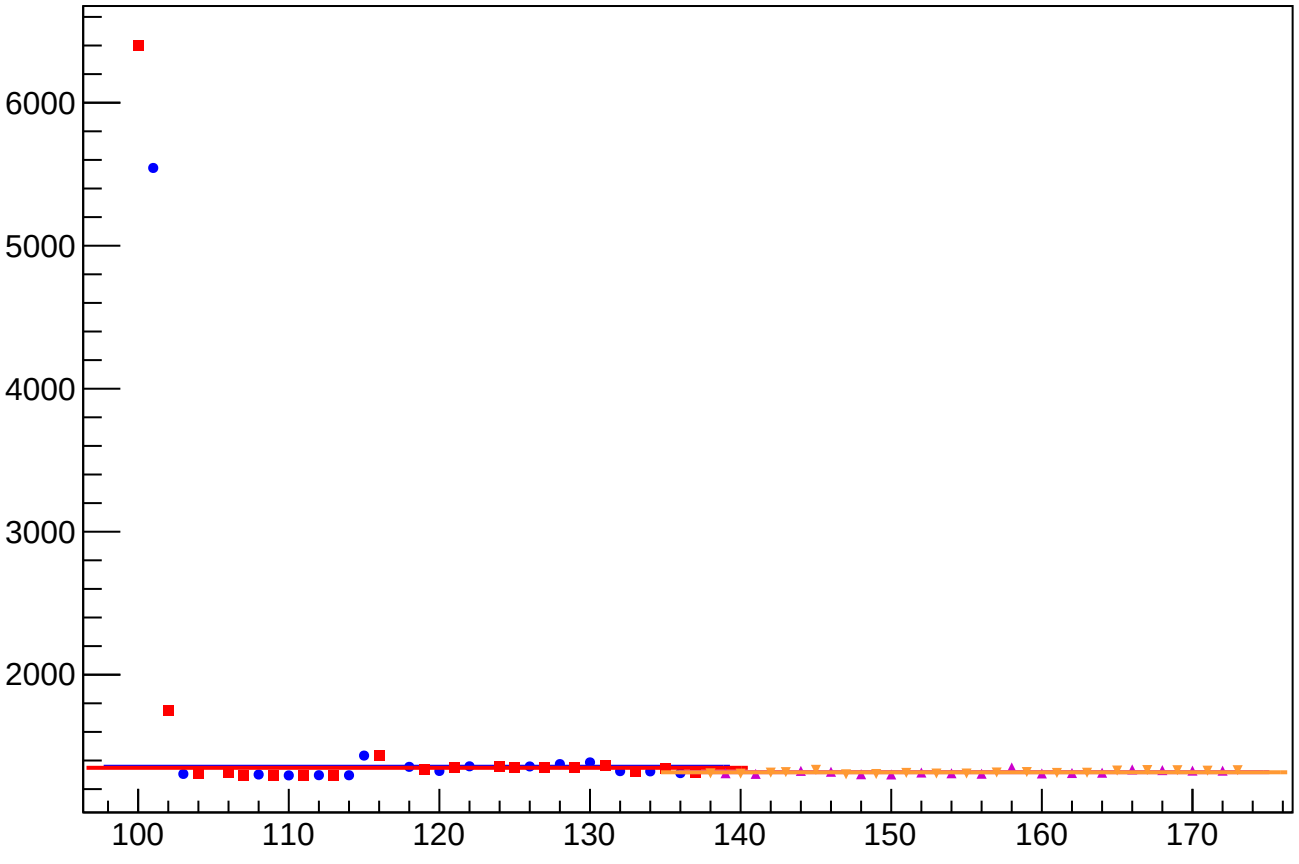
Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:3738668.7/32

Out: 0.000+/-0.000 χ^2/NDF:6812246.8/37

All: 0.000+/-0.000 χ^2/NDF: 10852456.9/70


reg_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: 381.403+/-517.789 χ²/NDF: 21.5/15
Left Out: -310.669+/-339.838 χ²/NDF:16.5/18
Right Out: -127.929+/-500.988 χ²/NDF: 10.0/18
Left In: -161.462+/-352.005 χ²/NDF:21.0/16
Left: -238.689+/-244.490 χ²/NDF: 37.5/35
Right: 118.340+/-360.045 χ²/NDF: 32.0/34
In: 10.127+/-291.106 χ²/NDF:43.2/32
Out: -253.081+/-281.239 χ²/NDF:26.6/37
All: -126.014+/-202.264 χ²/NDF: 70.2/70



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1317.687+/-0.240 χ^2/NDF:1765.5/18

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1318.686+/-0.249 χ^2/NDF:2754.1/16

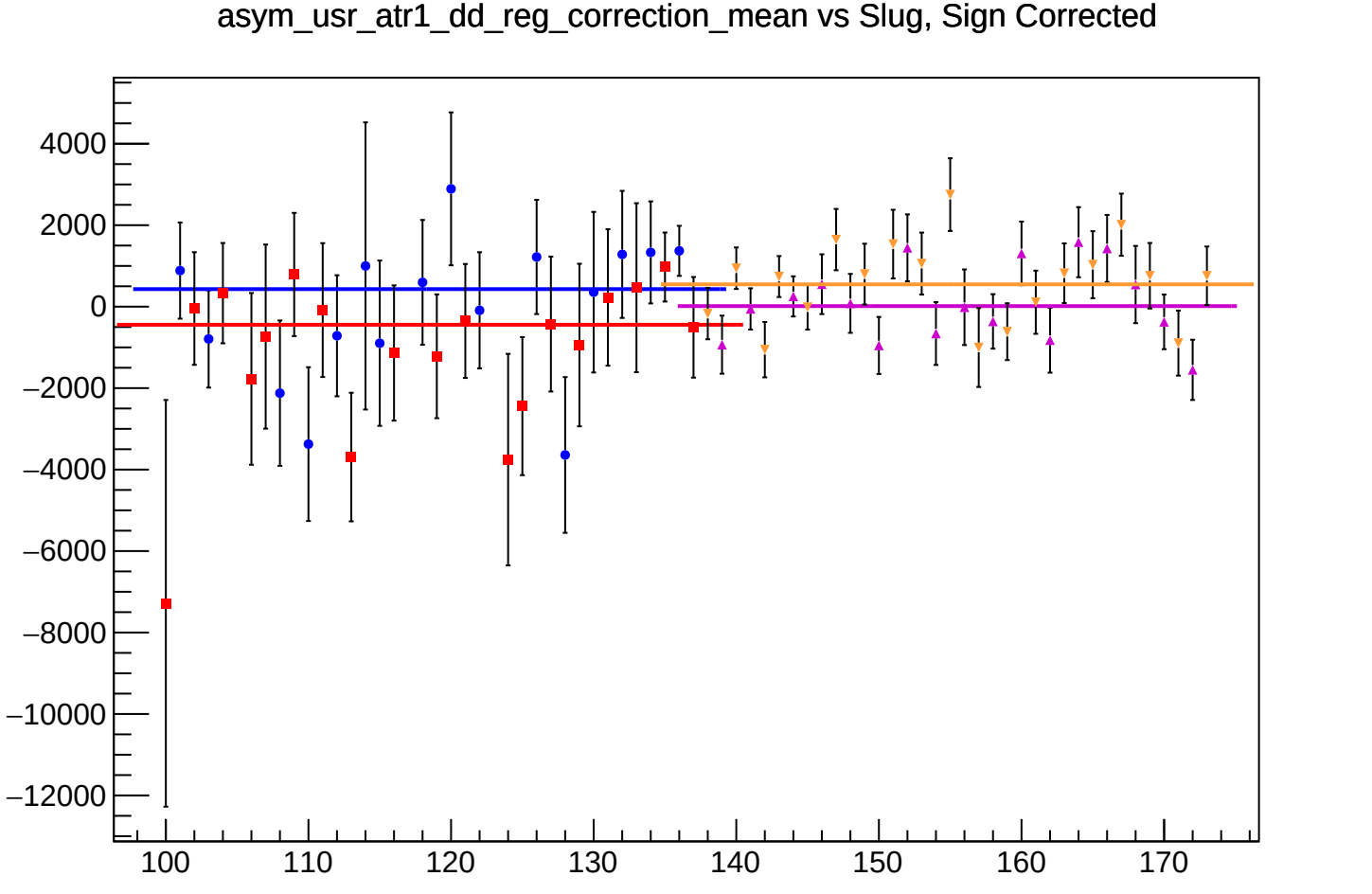
Left: 1318.169+/-0.173 χ^2/NDF: 4527.9/35

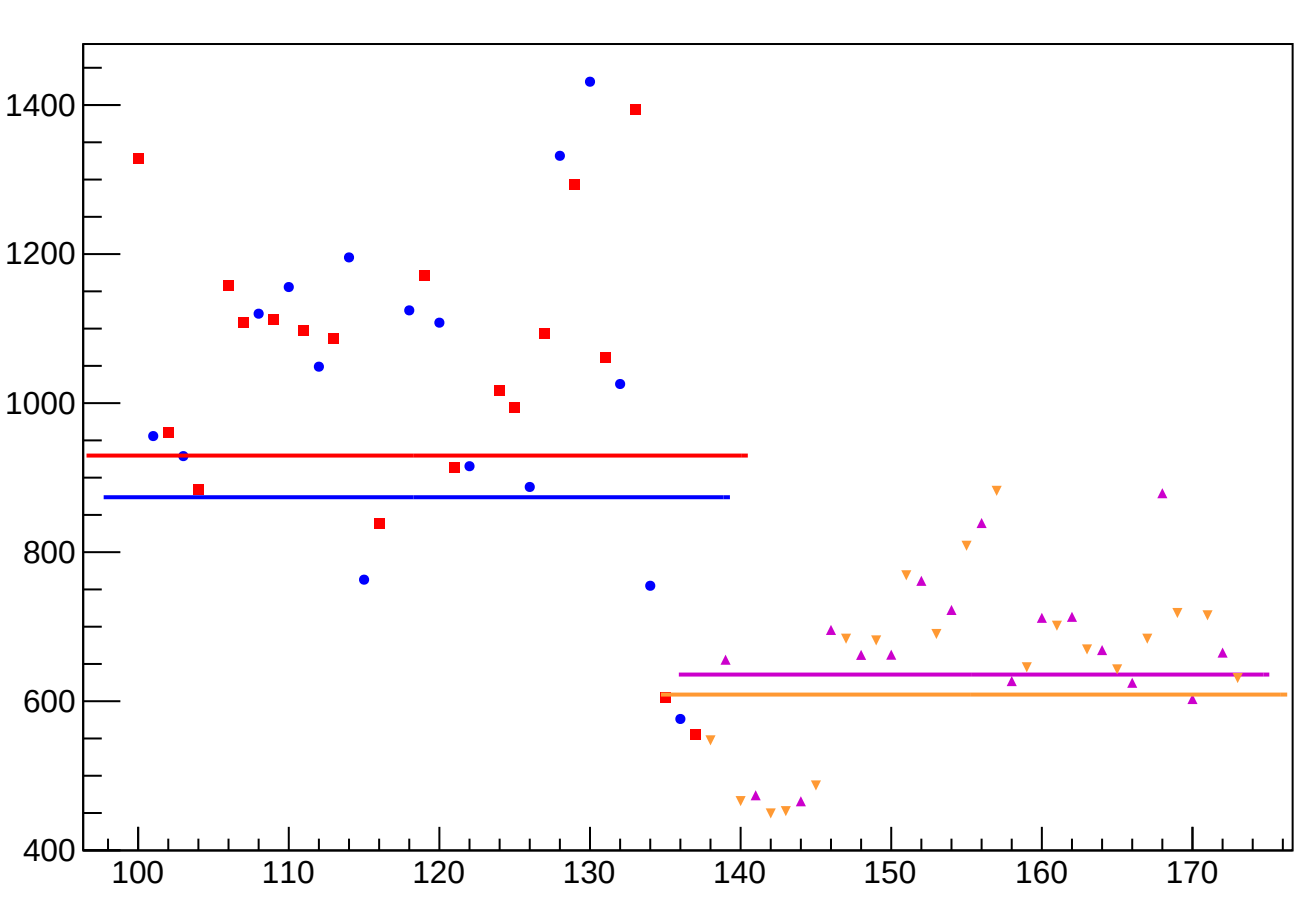
Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1330.606+/-0.206 χ^2/NDF:770275.9/32

Out: 1327.547+/-0.199 χ^2/NDF:154373.3/37

All: 1329.024+/-0.143 χ^2/NDF: 924763.5/70


asym_usr_atr1_dd_reg_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
Right In: 430.363+/-338.459 χ²/NDF: 18.2/15
Left Out: 547.798+/-160.907 χ²/NDF:32.1/18
Right Out: -444.555+/-355.594 χ²/NDF: 14.4/18
Left In: 13.627+/-172.642 χ²/NDF:23.8/16
Left: 299.483+/-117.708 χ²/NDF: 61.0/35
Right: 14.491+/-245.161 χ²/NDF: 35.8/34
In: 99.668+/-153.790 χ²/NDF:43.3/32
Out: 379.141+/-146.597 χ²/NDF:52.9/37
All: 246.093+/-106.112 χ²/NDF: 97.9/70



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 608.916+/-0.114 χ^2/NDF:1115451.5/18

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 635.771+/-0.122 χ^2/NDF:812655.6/16

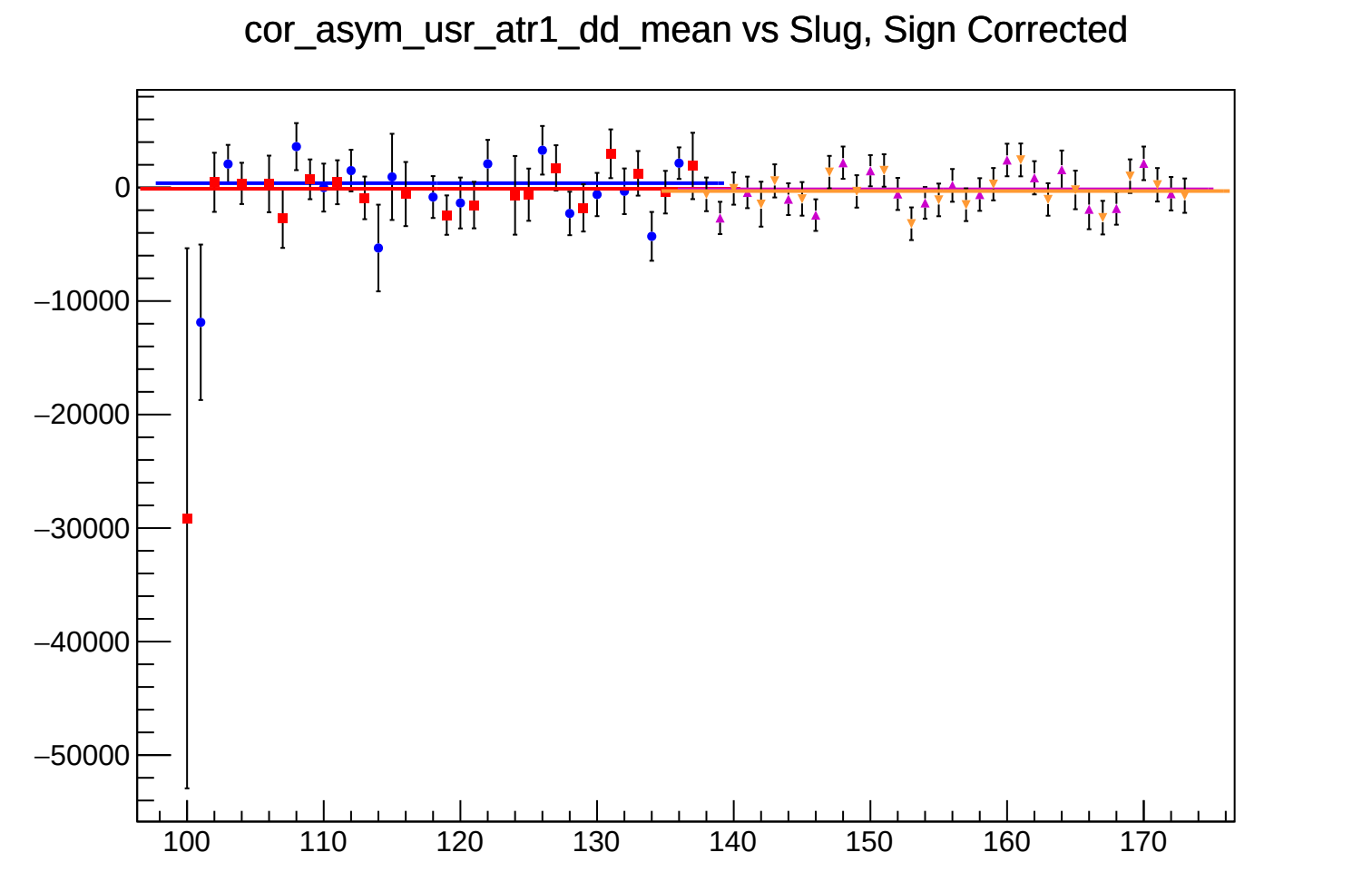
Left: 621.400+/-0.083 χ^2/NDF: 1954004.6/35

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 684.902+/-0.109 χ^2/NDF:2612022.3/32

Out: 663.425+/-0.104 χ^2/NDF:3325824.0/37

All: 673.649+/-0.075 χ^2/NDF: 5958282.2/70



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -310.690+/-339.838 χ^2/NDF:16.5/18

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -161.509+/-352.005 χ^2/NDF:21.0/16

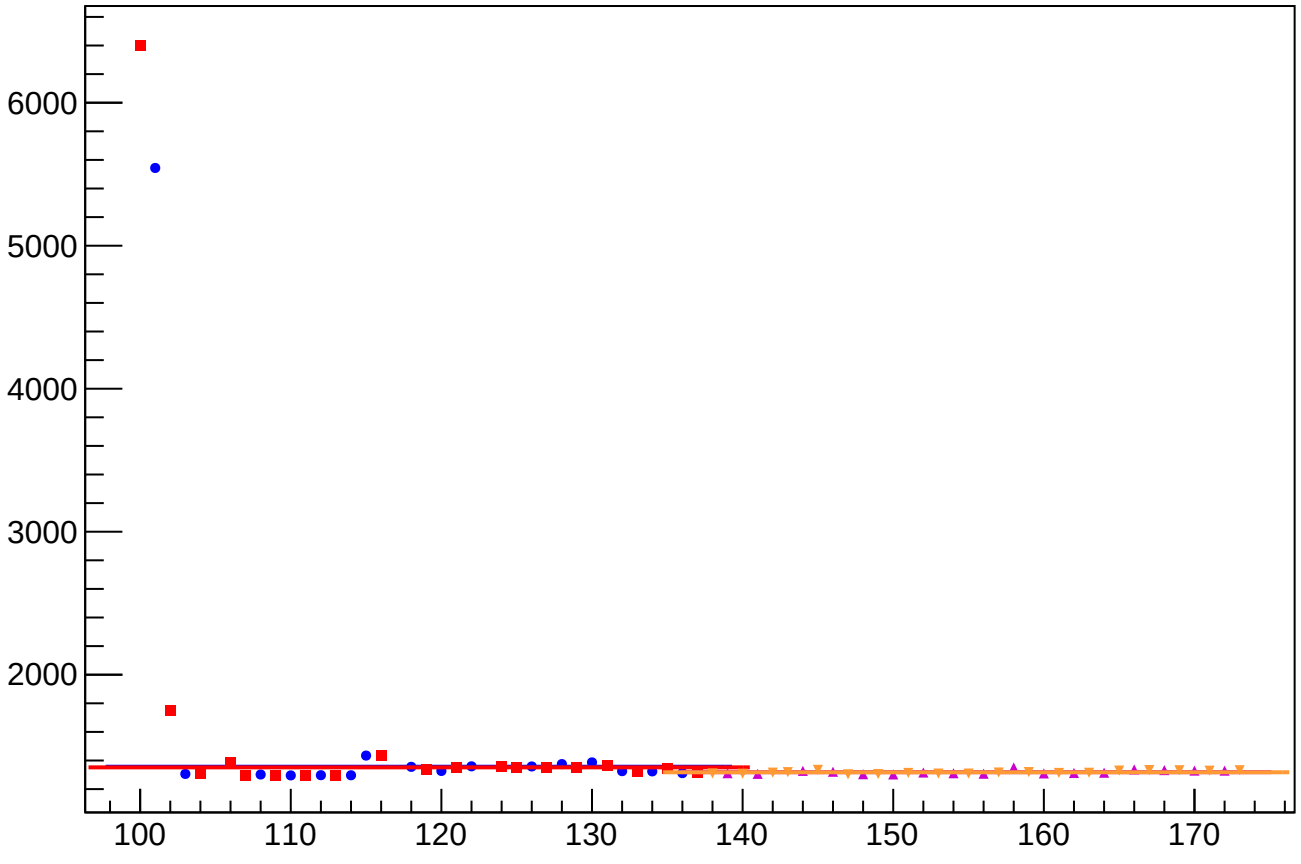
Left: -238.722+/-244.490 χ^2/NDF: 37.5/35

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 10.193+/-291.106 χ^2/NDF:43.2/32

Out: -247.829+/-281.540 χ^2/NDF:26.6/37

All: -123.127+/-202.376 χ^2/NDF: 70.2/70



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1317.687+/-0.240 χ^2/NDF:1765.5/18

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1318.686+/-0.249 χ^2/NDF:2754.1/16

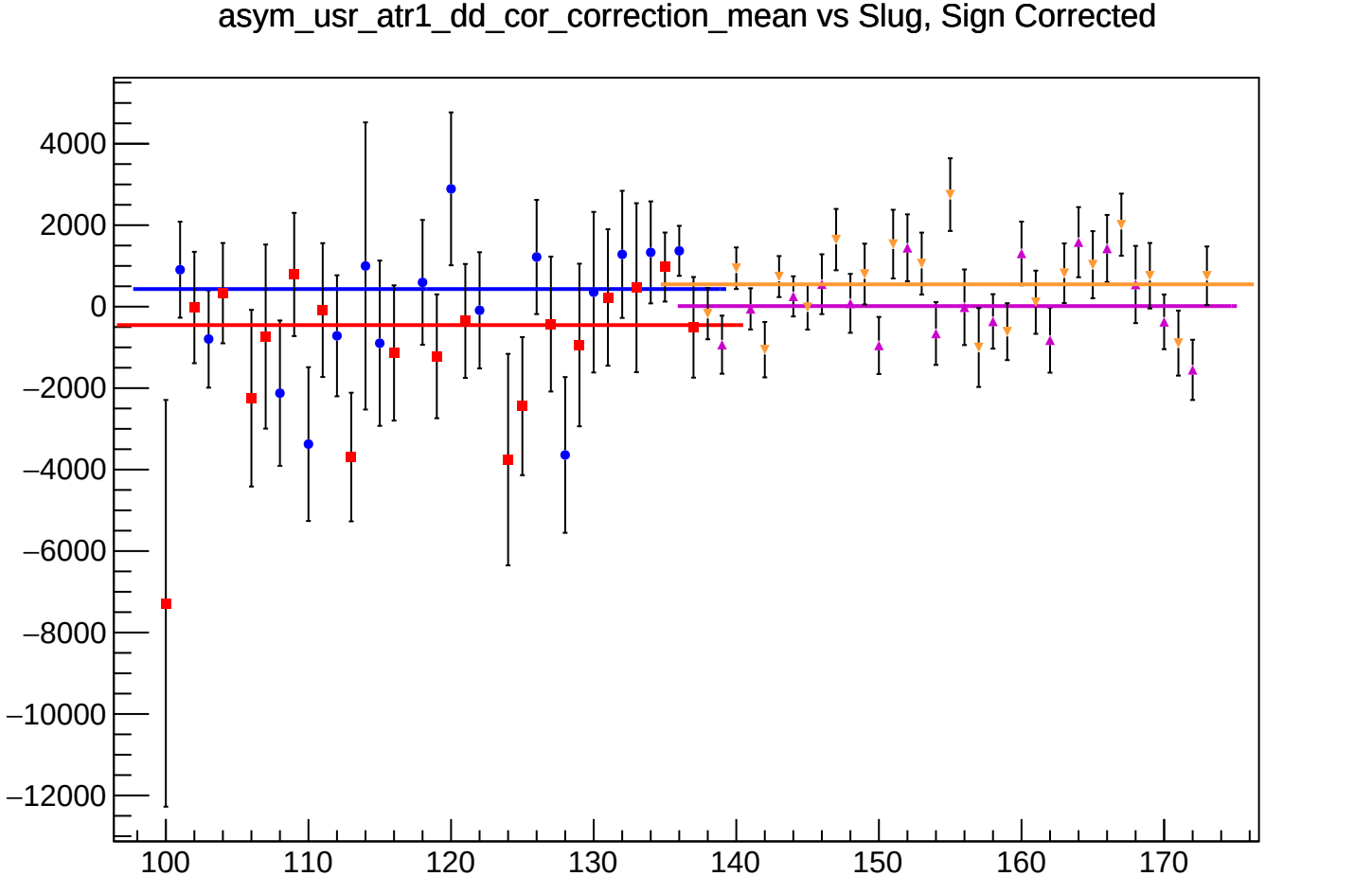
Left: 1318.169+/-0.173 χ^2/NDF: 4527.9/35

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.606+/-0.206 χ^2/NDF:770275.0/32

Out: 1328.476+/-0.199 χ^2/NDF:155518.5/37

All: 1329.505+/-0.143 χ^2/NDF: 925848.8/70



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 547.782+/-160.906 χ^2/NDF:32.1/18

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 13.626+/-172.641 χ^2/NDF:23.8/16

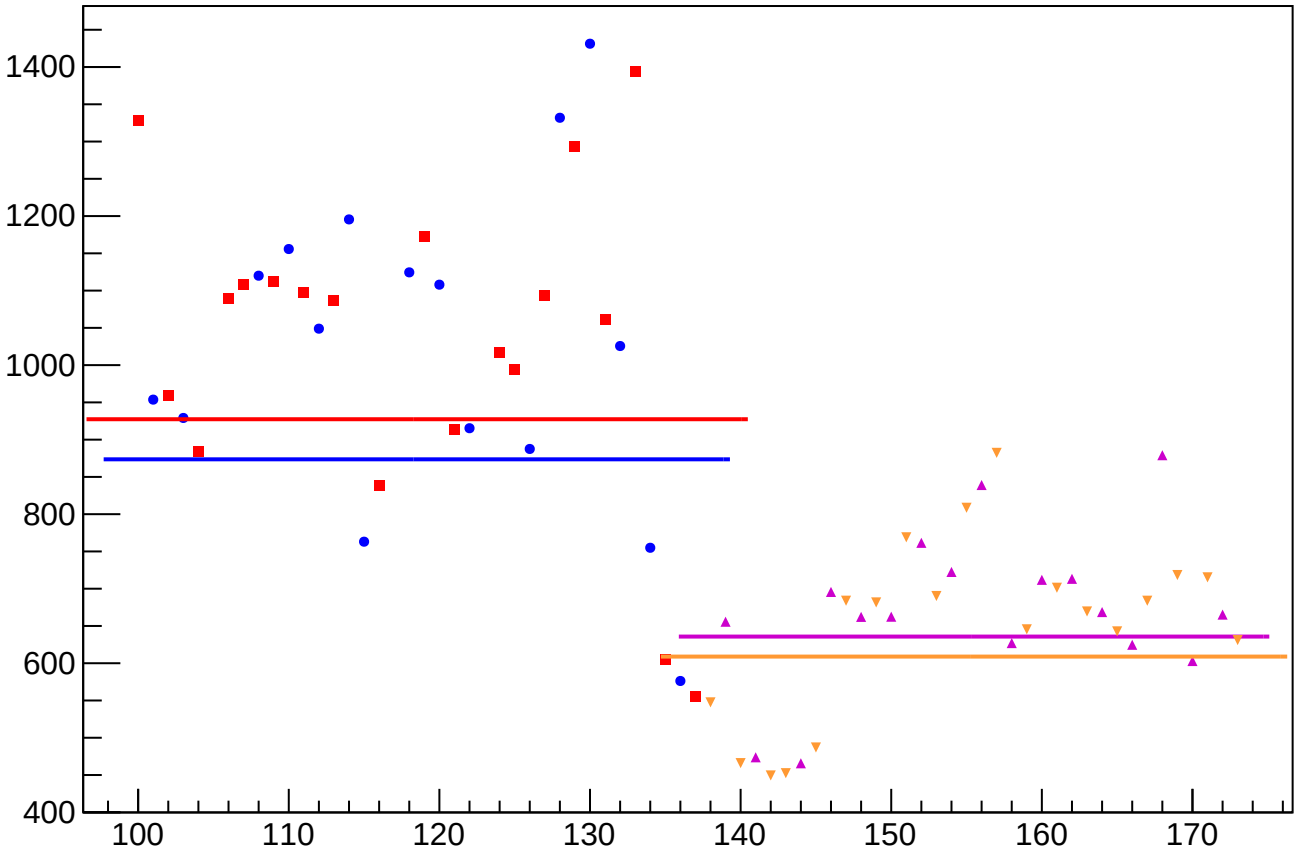
Left: 299.472+/-117.708 χ^2/NDF: 61.0/35

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 100.055+/-153.784 χ^2/NDF:43.3/32

Out: 377.689+/-146.597 χ^2/NDF:53.3/37

All: 245.511+/-106.110 χ^2/NDF: 98.3/70



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 608.916+/-0.114 χ^2/NDF:1115371.4/18

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 635.766+/-0.122 χ^2/NDF:812720.1/16

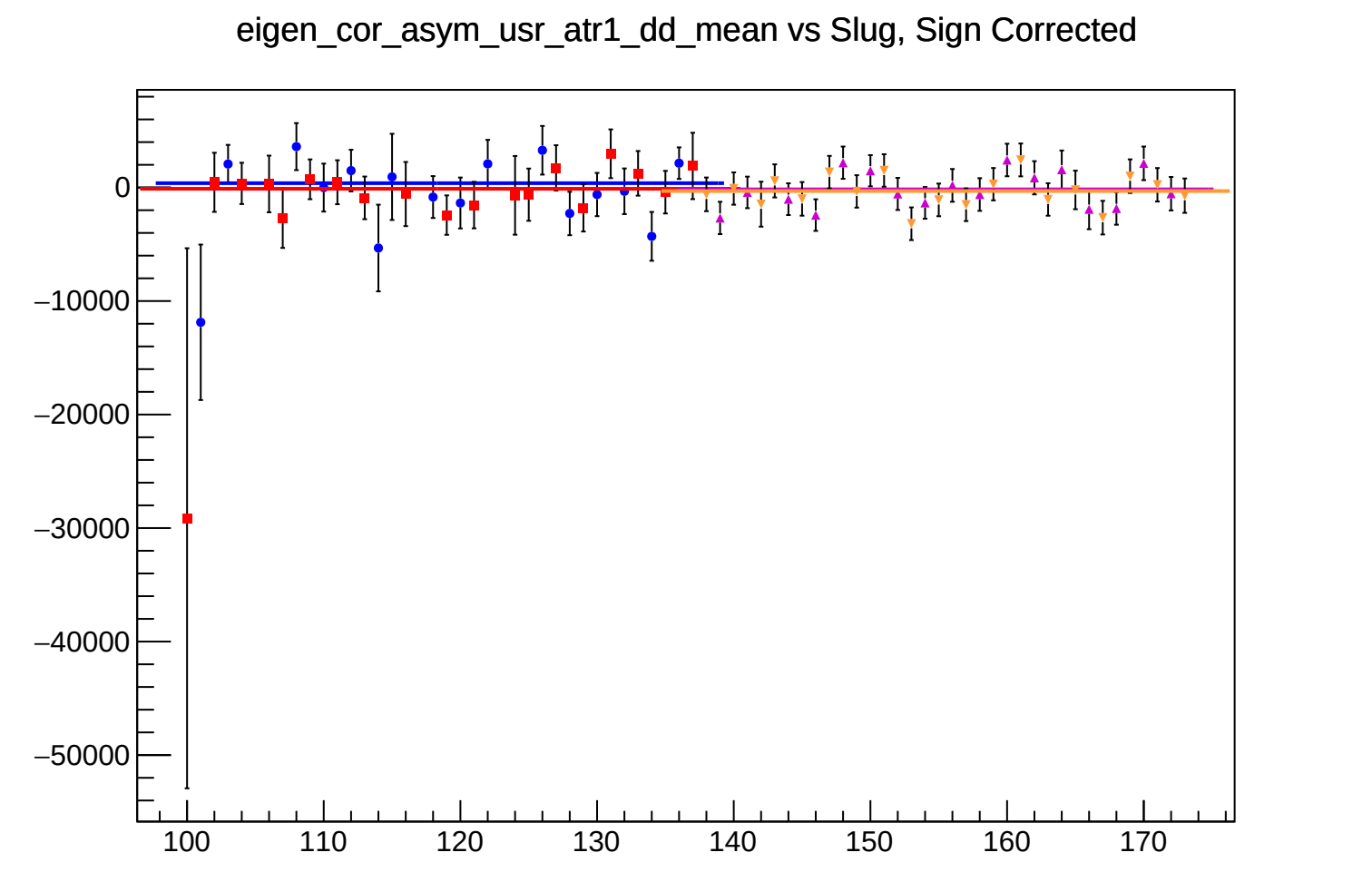
Left: 621.398+/-0.083 χ^2/NDF: 1953979.0/35

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 684.884+/-0.109 χ^2/NDF:2611043.1/32

Out: 663.045+/-0.104 χ^2/NDF:3294449.0/37

All: 673.442+/-0.075 χ^2/NDF: 5926624.4/70



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -310.690+/-339.838 χ^2/NDF:16.5/18

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -161.509+/-352.005 χ^2/NDF:21.0/16

Left: -238.722+/-244.490 χ^2/NDF: 37.5/35

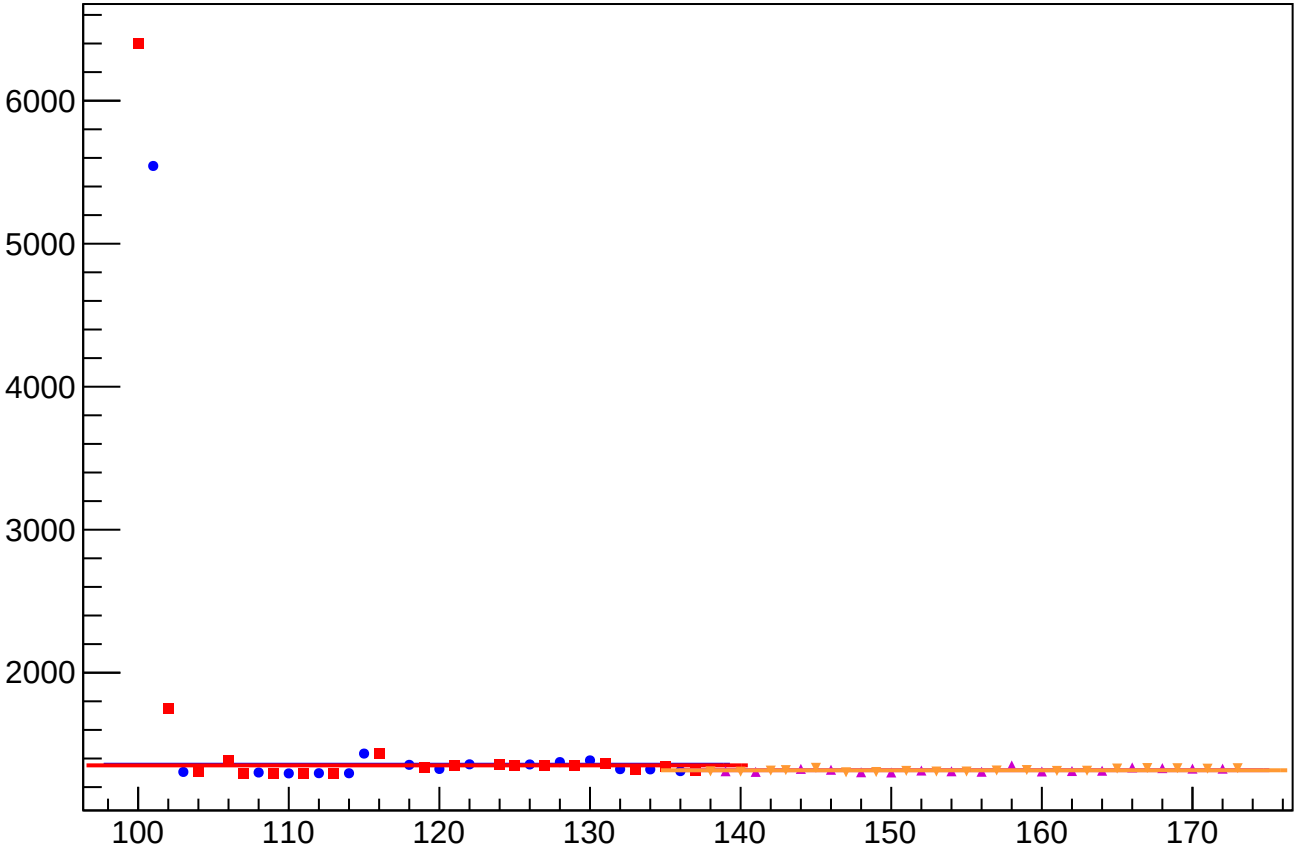
Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 10.193+/-291.106 χ^2/NDF:43.2/32

Out: -247.829+/-281.540 χ^2/NDF:26.6/37

All: -123.127+/-202.376 χ^2/NDF: 70.2/70

eigen_cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1317.687+/-0.240 χ^2/NDF:1765.5/18

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1318.686+/-0.249 χ^2/NDF:2754.1/16

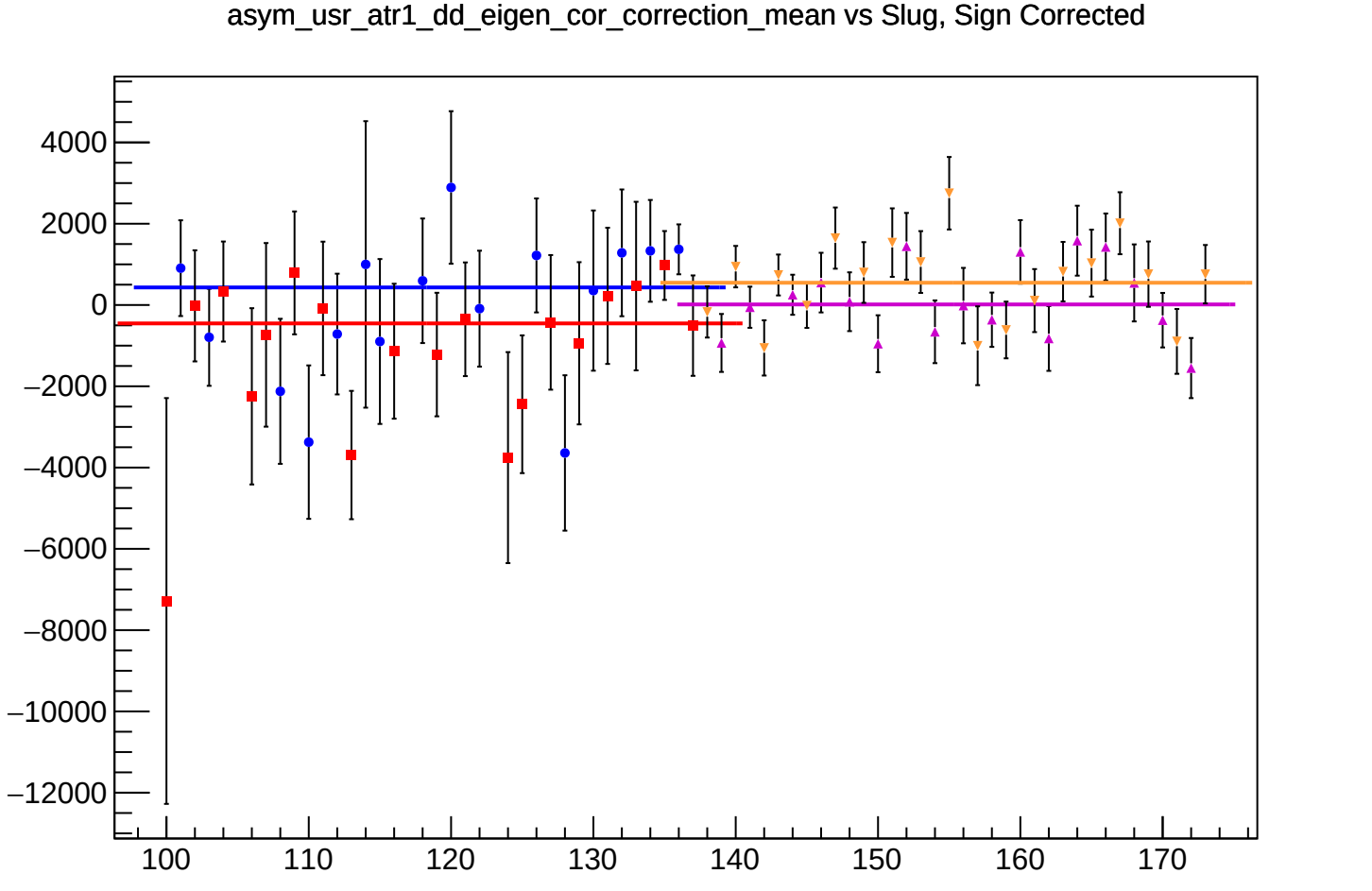
Left: 1318.169+/-0.173 χ^2/NDF: 4527.9/35

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.606+/-0.206 χ^2/NDF:770275.0/32

Out: 1328.476+/-0.199 χ^2/NDF:155518.5/37

All: 1329.505+/-0.143 χ^2/NDF: 925848.8/70



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 547.782+/-160.906 χ^2/NDF:32.1/18

Right Out: -453.039+/-355.599 χ^2/NDF: 14.7/18

Left In: 13.626+/-172.641 χ^2/NDF:23.8/16

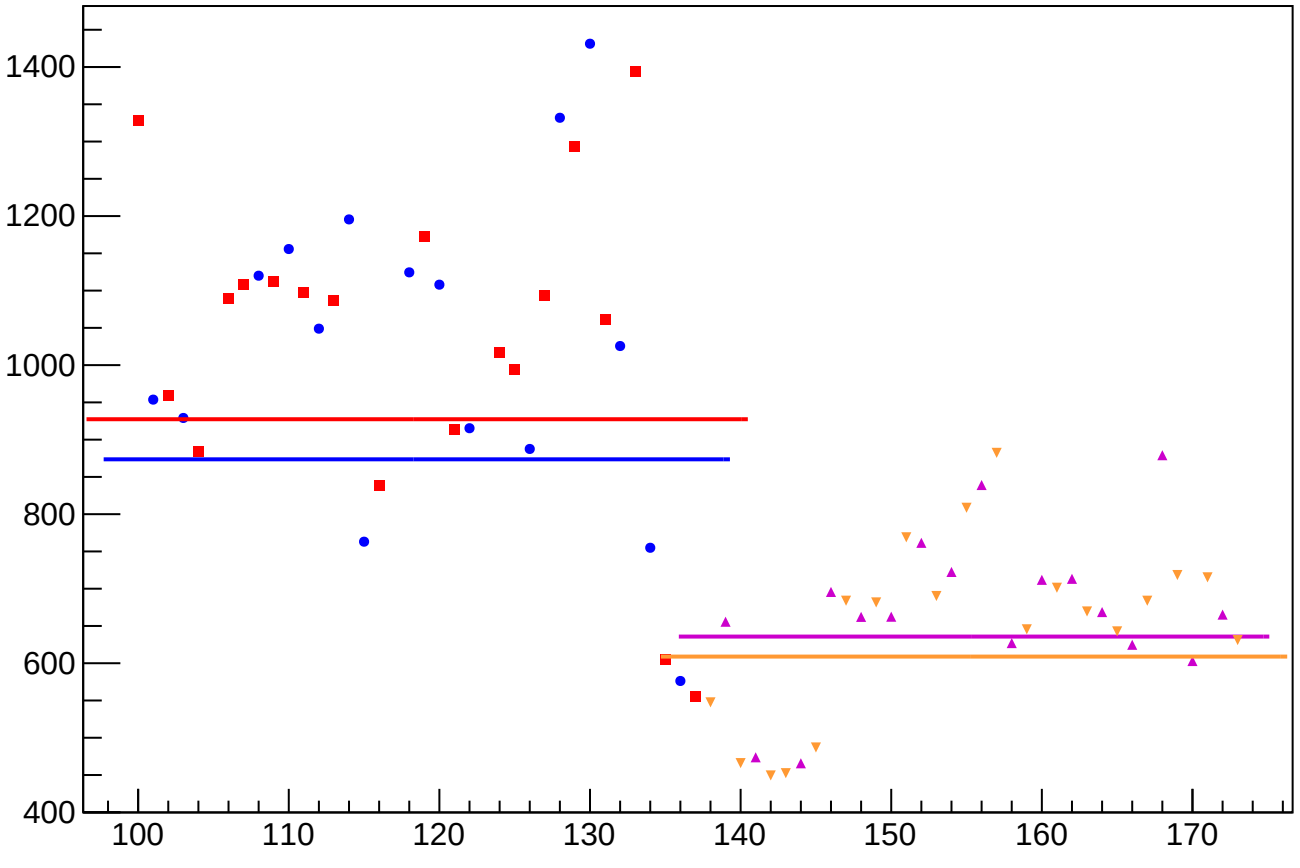
Left: 299.472+/-117.708 χ^2/NDF: 61.0/35

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 100.055+/-153.784 χ^2/NDF:43.3/32

Out: 377.689+/-146.597 χ^2/NDF:53.3/37

All: 245.511+/-106.110 χ^2/NDF: 98.3/70



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 608.916+/-0.114 χ^2/NDF:1115371.4/18

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 635.766+/-0.122 χ^2/NDF:812720.1/16

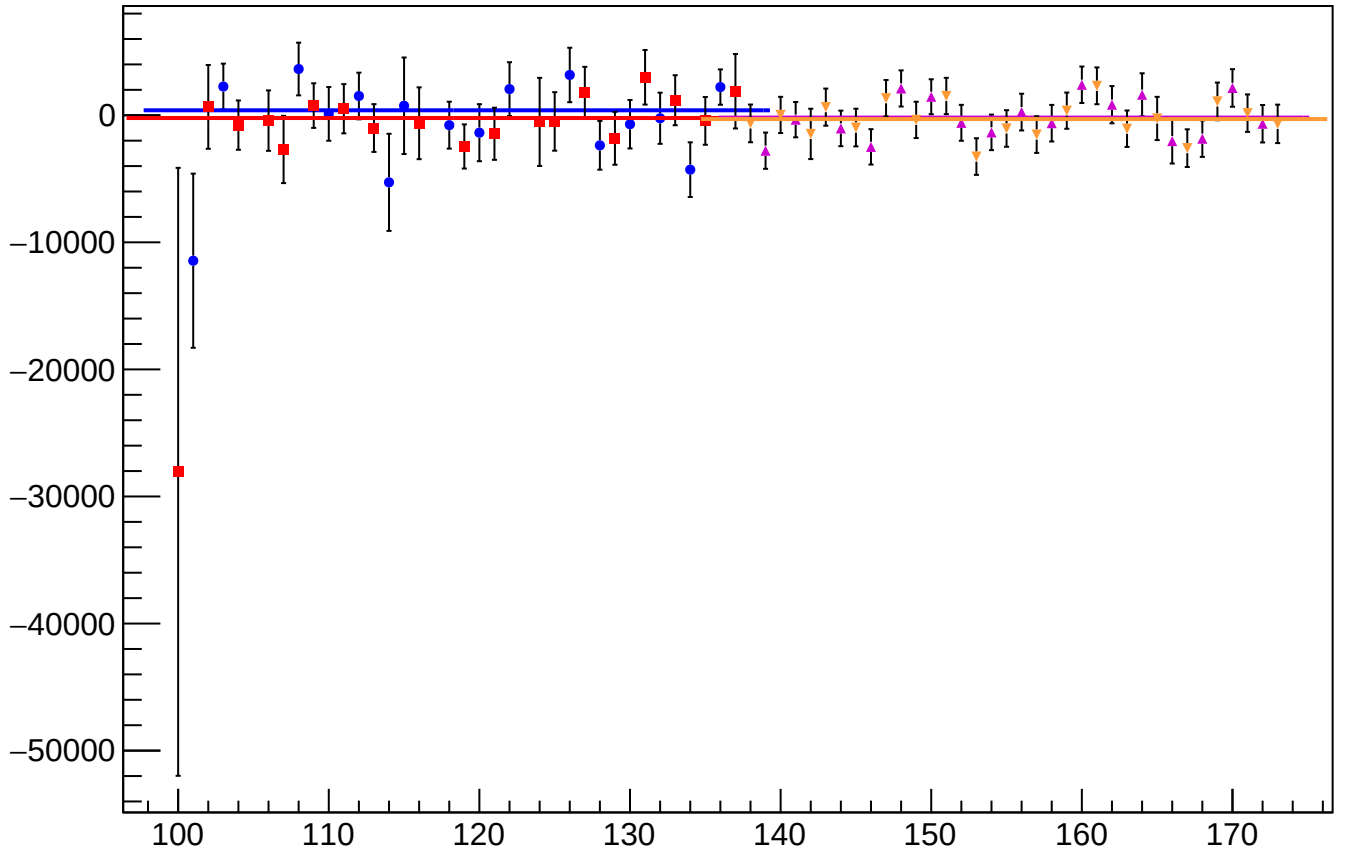
Left: 621.398+/-0.083 χ^2/NDF: 1953979.0/35

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 684.884+/-0.109 χ^2/NDF:2611043.1/32

Out: 663.045+/-0.104 χ^2/NDF:3294449.0/37

All: 673.442+/-0.075 χ^2/NDF: 5926624.4/70



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -300.962+/-340.100 χ^2/NDF:16.3/18

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: -183.683+/-352.268 χ^2/NDF:21.3/16

Left: -244.383+/-244.676 χ^2/NDF: 37.7/35

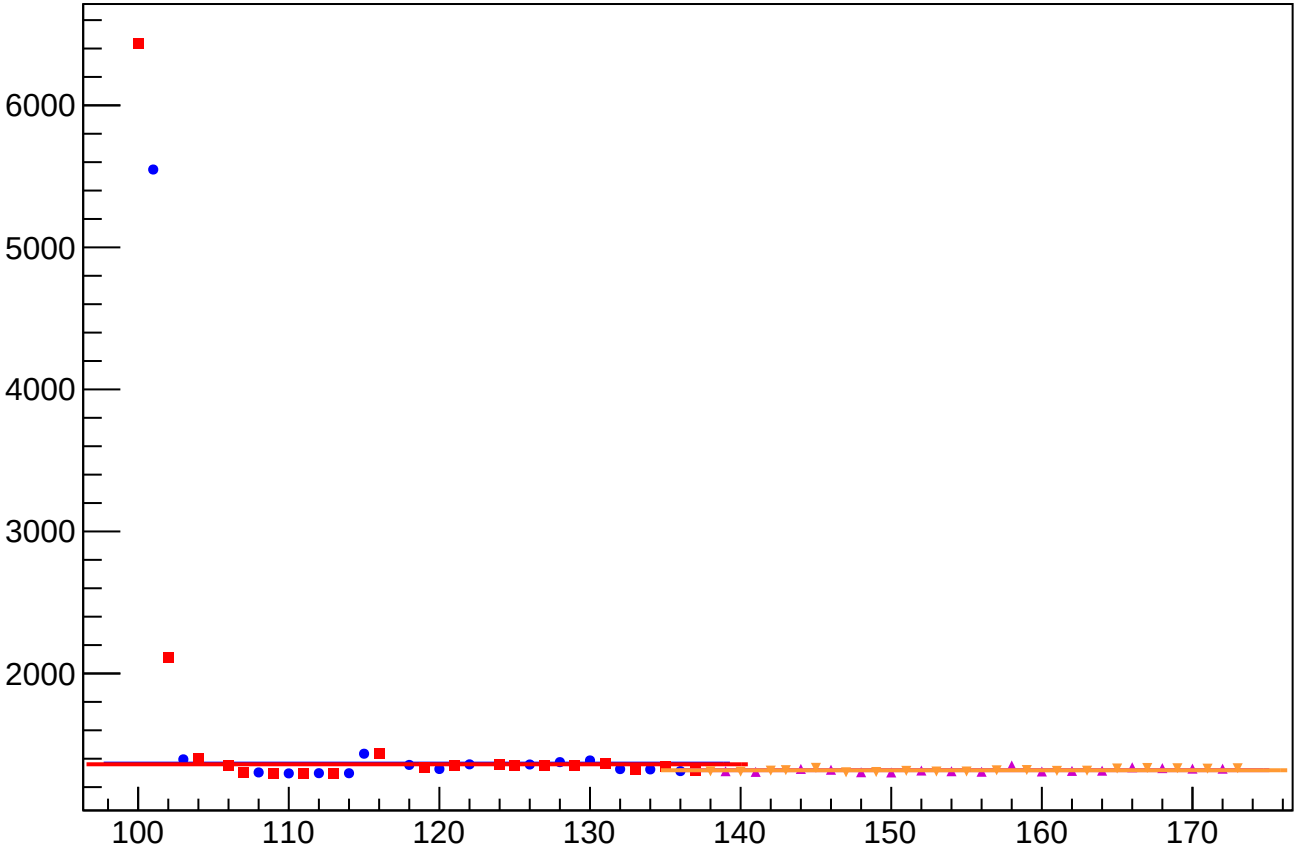
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: -3.790+/-291.851 χ^2/NDF:43.5/32

Out: -275.337+/-282.599 χ^2/NDF:26.3/37

All: -143.936+/-203.020 χ^2/NDF: 70.3/70

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1318.704+/-0.240 χ^2/NDF:1762.8/18

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1319.670+/-0.249 χ^2/NDF:2776.3/16

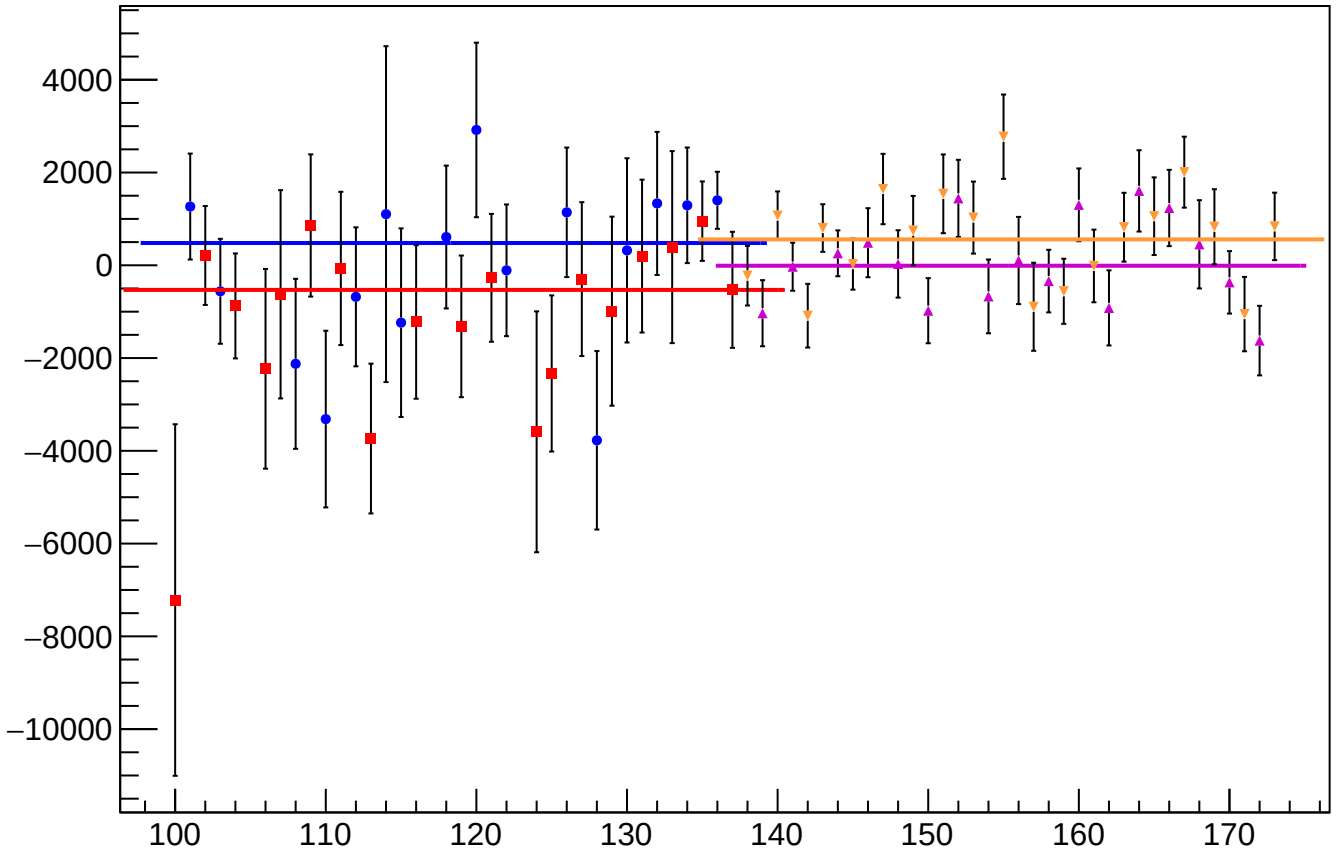
Left: 1319.170+/-0.173 χ^2/NDF: 4546.9/35

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1333.980+/-0.206 χ^2/NDF:772245.5/32

Out: 1331.726+/-0.200 χ^2/NDF:216550.0/37

All: 1332.817+/-0.144 χ^2/NDF: 988857.1/70



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 558.659+/-162.711 χ^2/NDF:32.9/18

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: -9.588+/-174.399 χ^2/NDF:23.6/16

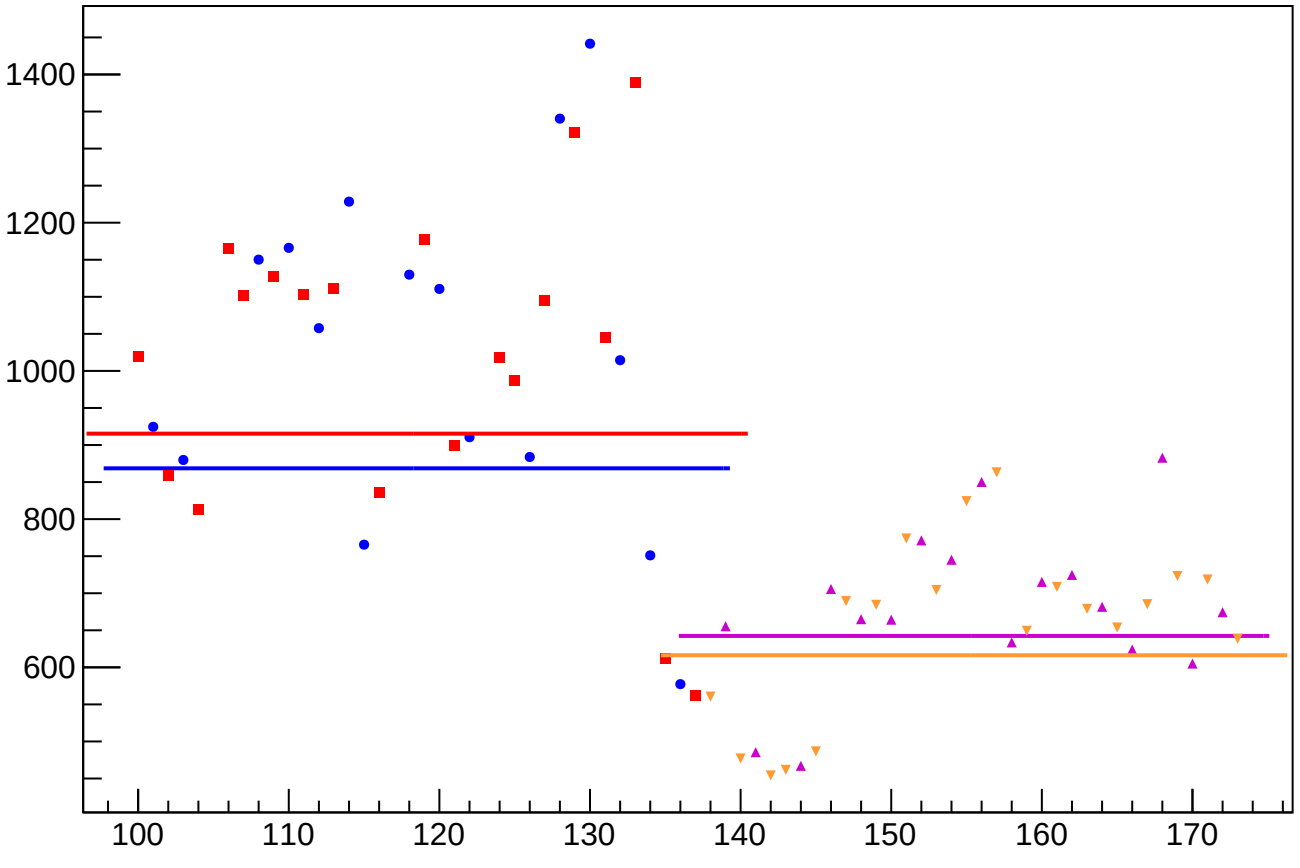
Left: 294.214+/-118.972 χ^2/NDF: 62.2/35

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 94.150+/-154.841 χ^2/NDF:43.9/32

Out: 361.506+/-147.250 χ^2/NDF:56.6/37

All: 234.542+/-106.704 χ^2/NDF: 102.1/70



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 616.325+/-0.115 χ^2/NDF:1067068.1/18

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 642.411+/-0.123 χ^2/NDF:813545.4/16

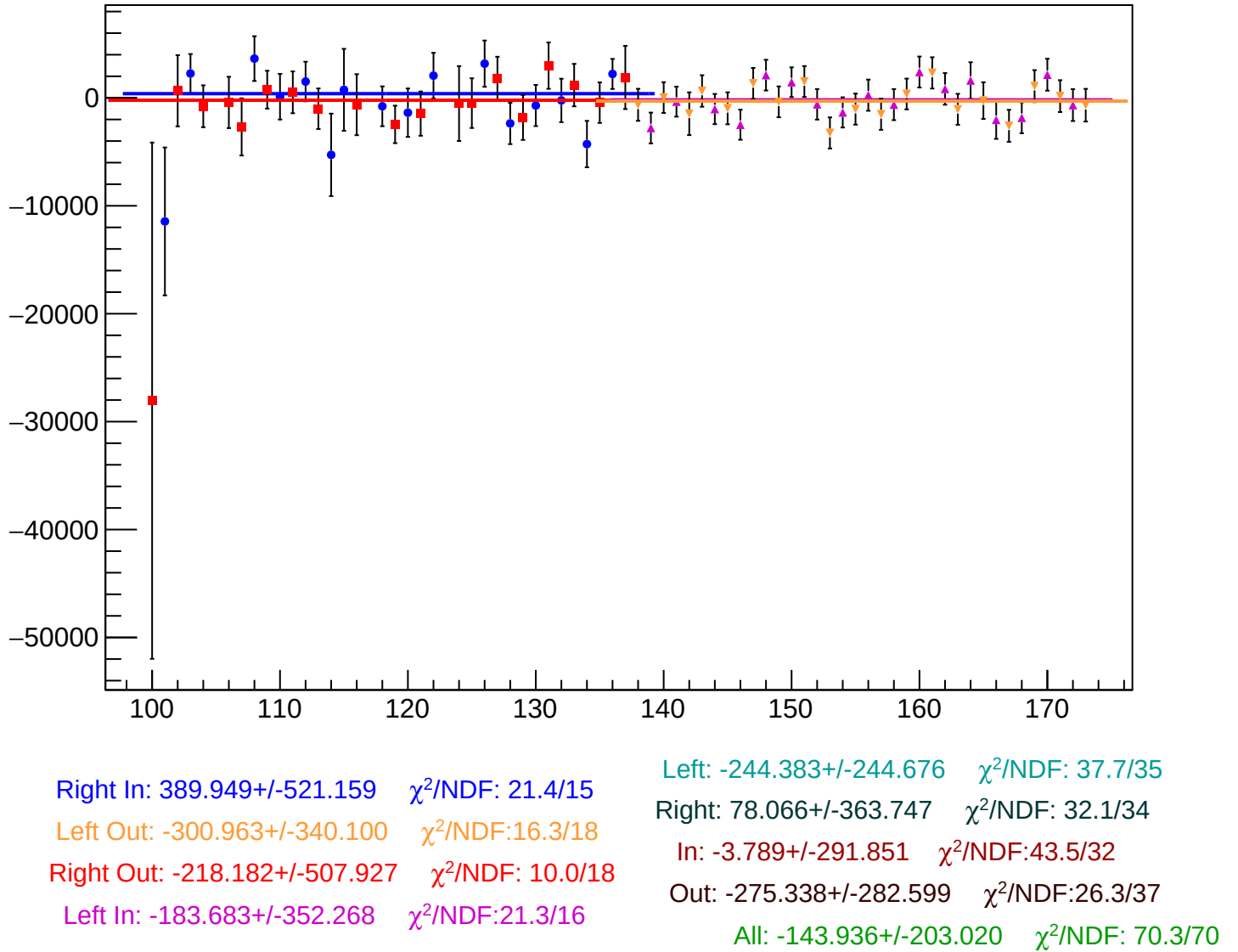
Left: 628.465+/-0.084 χ^2/NDF: 1904537.5/35

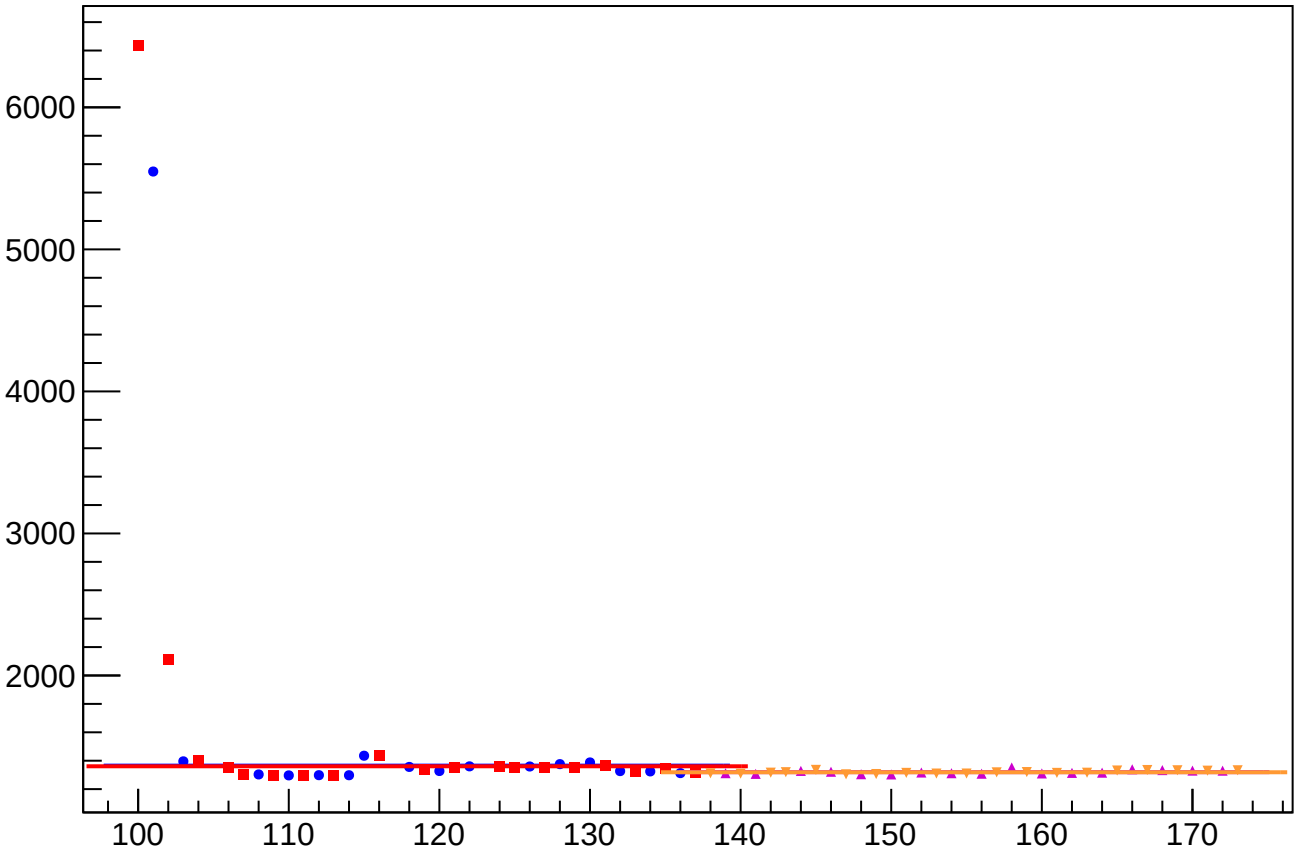
Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 690.293+/-0.109 χ^2/NDF:2546958.4/32

Out: 670.452+/-0.104 χ^2/NDF:3148730.8/37

All: 679.874+/-0.075 χ^2/NDF: 5712931.8/70


eigen_dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: 389.949+/-521.159 χ²/NDF: 21.4/15
Left Out: -300.963+/-340.100 χ²/NDF:16.3/18
Right Out: -218.182+/-507.927 χ²/NDF: 10.0/18
Left In: -183.683+/-352.268 χ²/NDF:21.3/16
Left: -244.383+/-244.676 χ²/NDF: 37.7/35
Right: 78.066+/-363.747 χ²/NDF: 32.1/34
In: -3.789+/-291.851 χ²/NDF:43.5/32
Out: -275.338+/-282.599 χ²/NDF:26.3/37
All: -143.936+/-203.020 χ²/NDF: 70.3/70



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1318.704+/-0.240 χ^2/NDF:1762.8/18

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1319.670+/-0.249 χ^2/NDF:2776.3/16

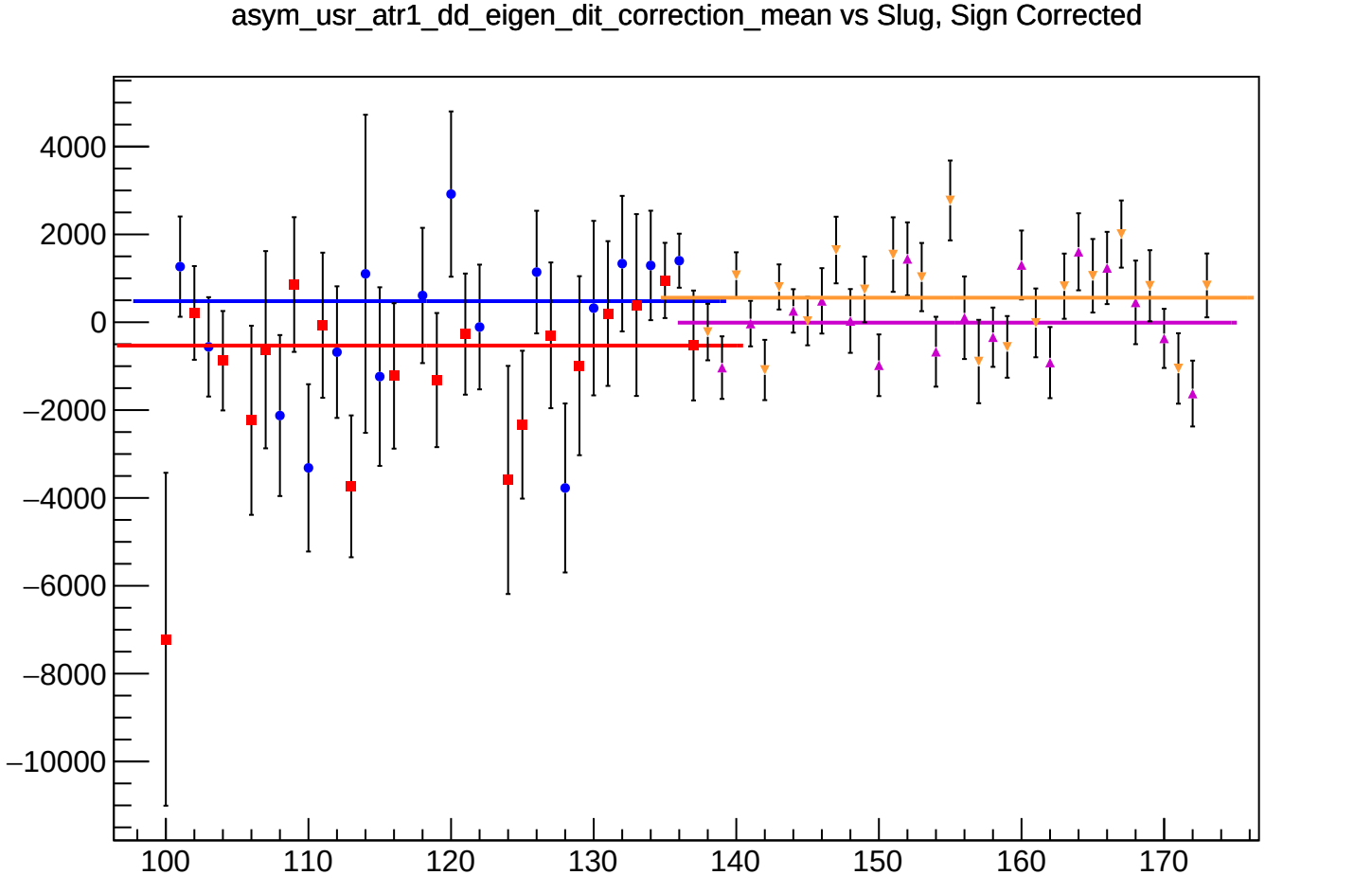
Left: 1319.170+/-0.173 χ^2/NDF: 4546.9/35

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

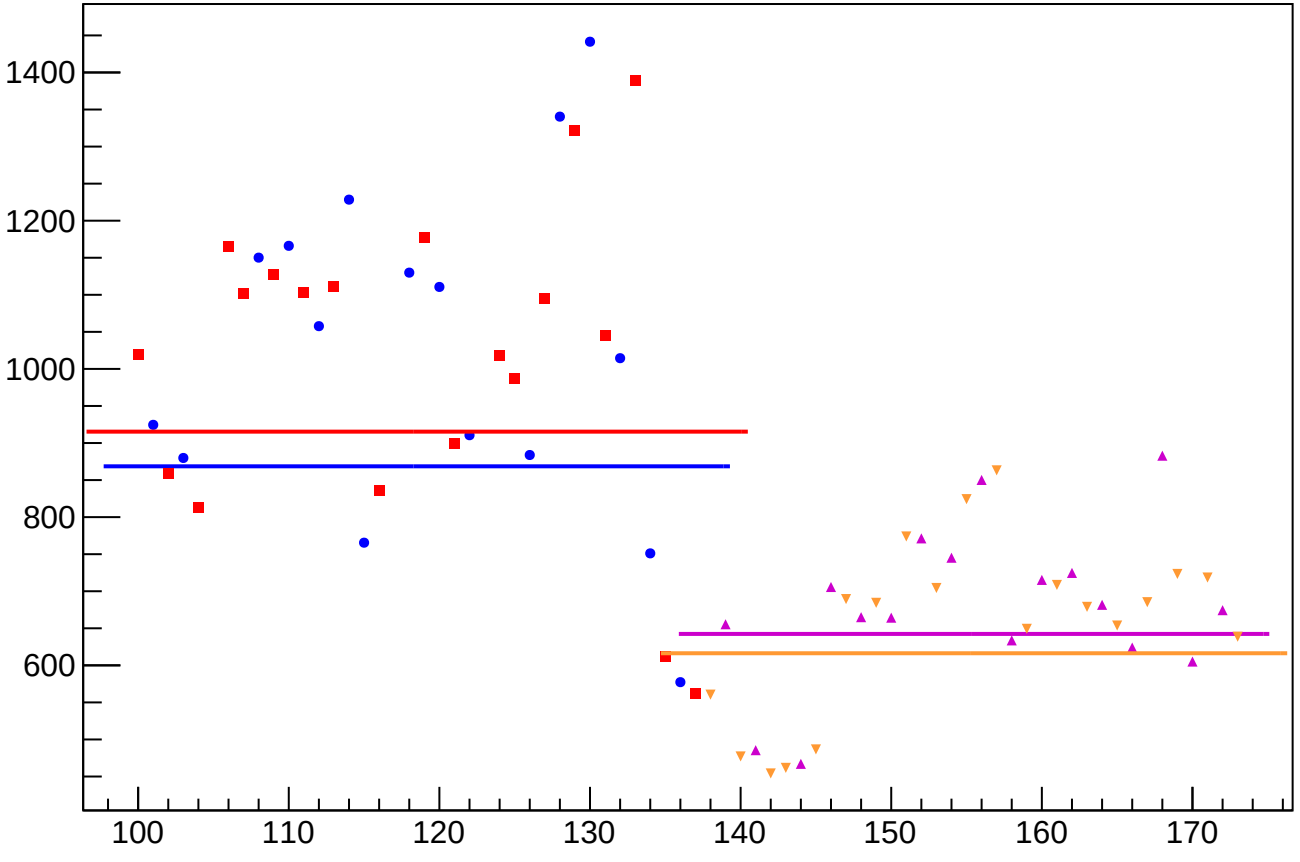
In: 1333.980+/-0.206 χ^2/NDF:772245.4/32

Out: 1331.726+/-0.200 χ^2/NDF:216550.0/37

All: 1332.817+/-0.144 χ^2/NDF: 988857.0/70


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
Right In: 480.400+/-336.519 χ²/NDF: 18.6/15
Left Out: 558.659+/-162.711 χ²/NDF:32.9/18
Right Out: -530.531+/-346.104 χ²/NDF: 15.6/18
Left In: -9.587+/-174.399 χ²/NDF:23.6/16
Left: 294.215+/-118.972 χ²/NDF: 62.2/35
Right: -10.874+/-241.273 χ²/NDF: 38.6/34
In: 94.151+/-154.841 χ²/NDF:43.9/32
Out: 361.506+/-147.250 χ²/NDF:56.6/37
All: 234.542+/-106.704 χ²/NDF: 102.1/70

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: 616.325+/-0.115 χ^2/NDF:1067084.8/18

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 642.412+/-0.123 χ^2/NDF:813553.1/16

Left: 628.465+/-0.084 χ^2/NDF: 1904563.3/35

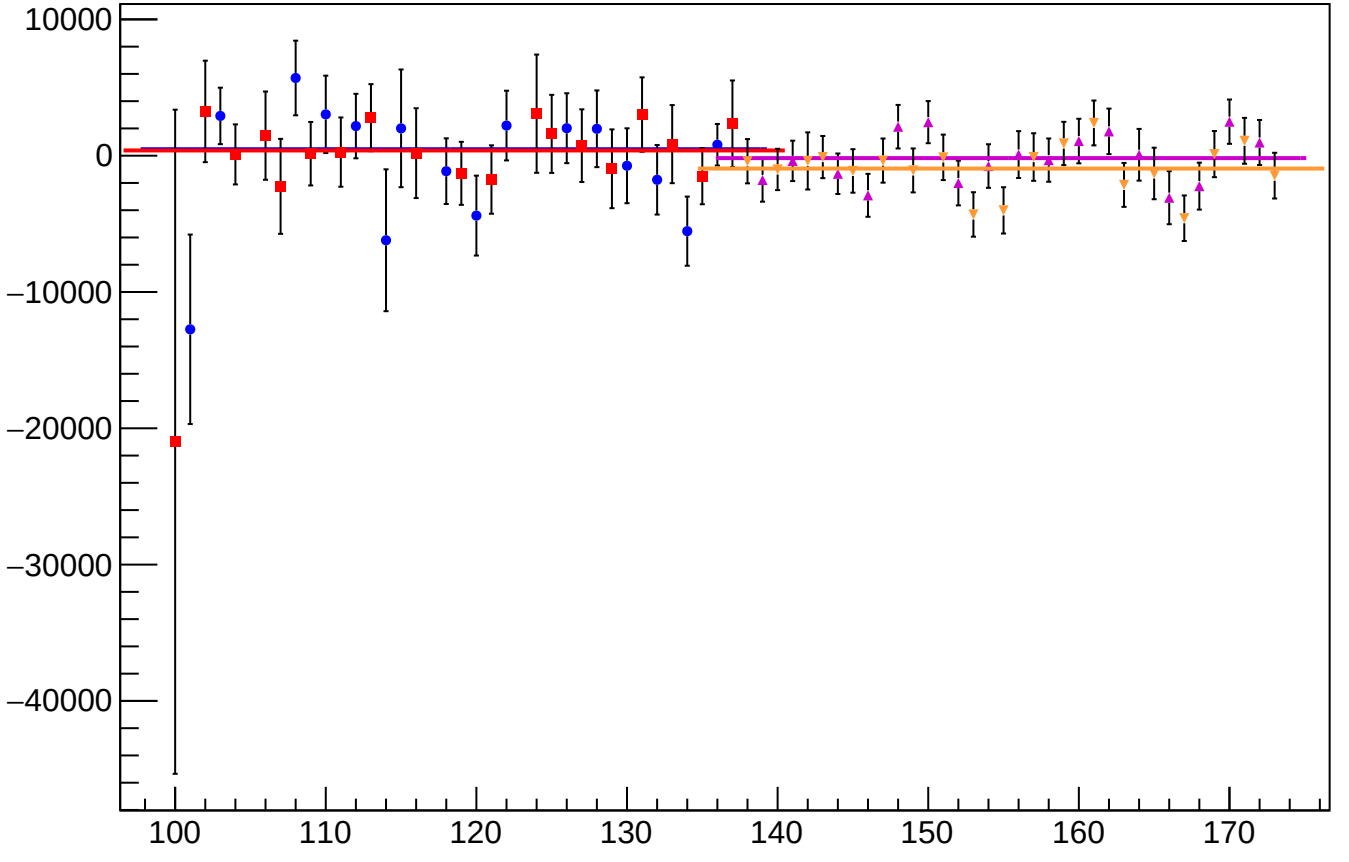
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 690.293+/-0.109 χ^2/NDF:2546945.3/32

Out: 670.453+/-0.104 χ^2/NDF:3148733.1/37

All: 679.875+/-0.075 χ^2/NDF: 5712921.8/70

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -943.741+/-381.382 χ^2/NDF:21.4/18

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: -177.497+/-396.156 χ^2/NDF:19.9/16

Left: -575.173+/-274.753 χ^2/NDF: 43.2/35

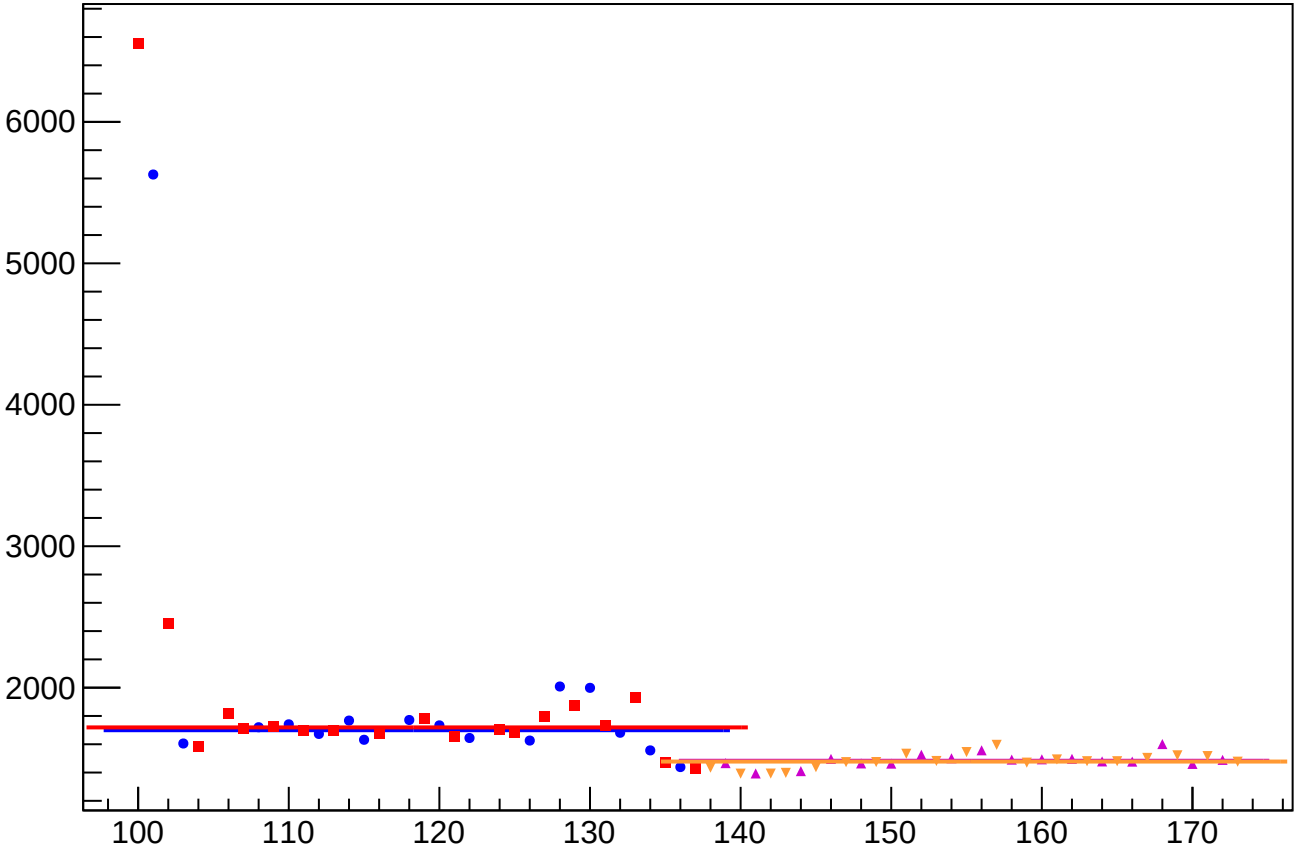
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: -0.878+/-338.173 χ^2/NDF:43.3/32

Out: -597.194+/-327.889 χ^2/NDF:31.8/37

All: -308.241+/-235.404 χ^2/NDF: 76.7/70

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1477.697+/-0.270 χ^2/NDF:35263.2/18

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1483.250+/-0.280 χ^2/NDF:28541.1/16

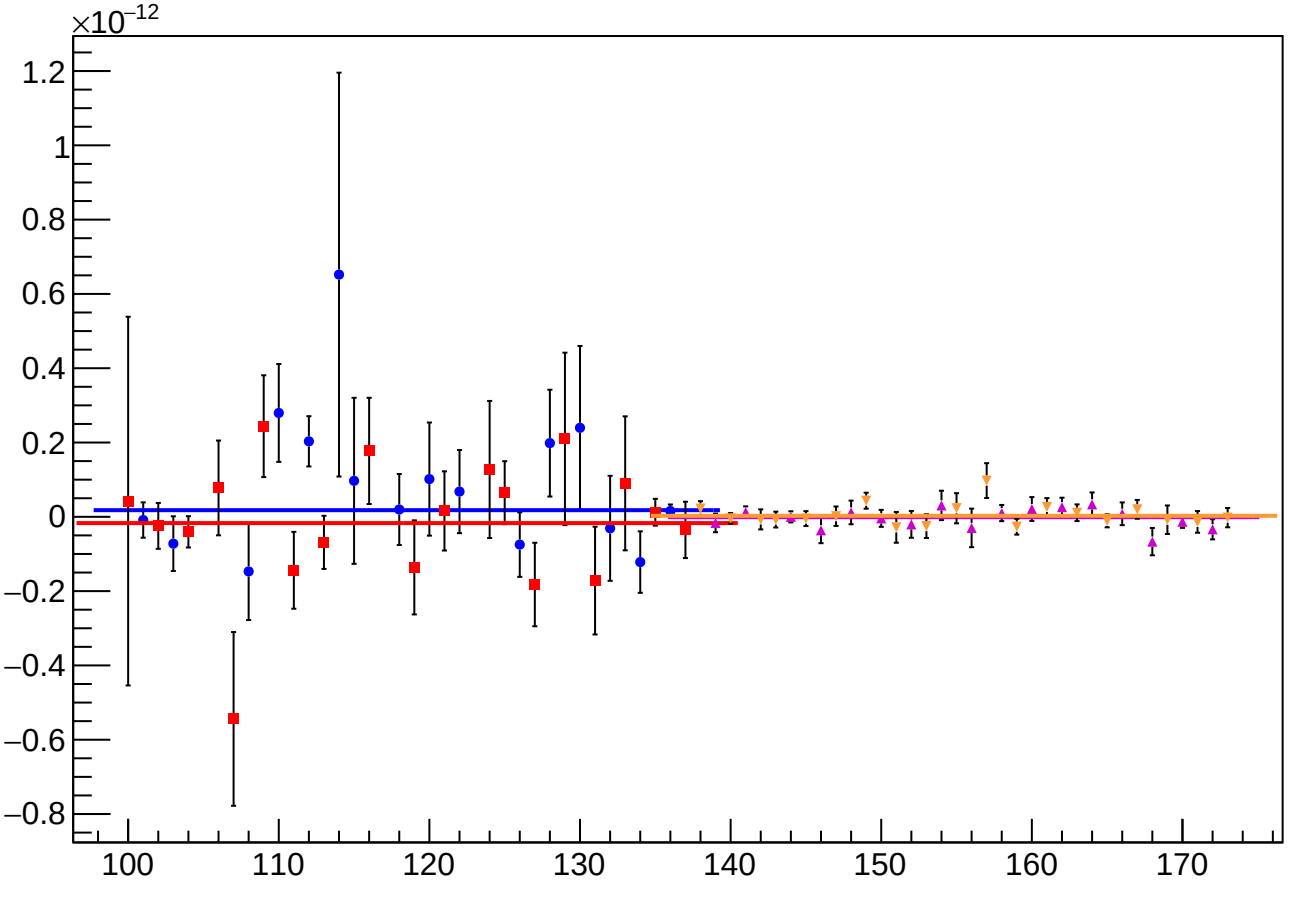
Left: 1480.368+/-0.194 χ^2/NDF: 64008.2/35

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1541.874+/-0.239 χ^2/NDF:952070.6/32

Out: 1540.668+/-0.232 χ^2/NDF:478039.2/37

All: 1541.252+/-0.166 χ^2/NDF: 1430122.9/70



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/18

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.9/16

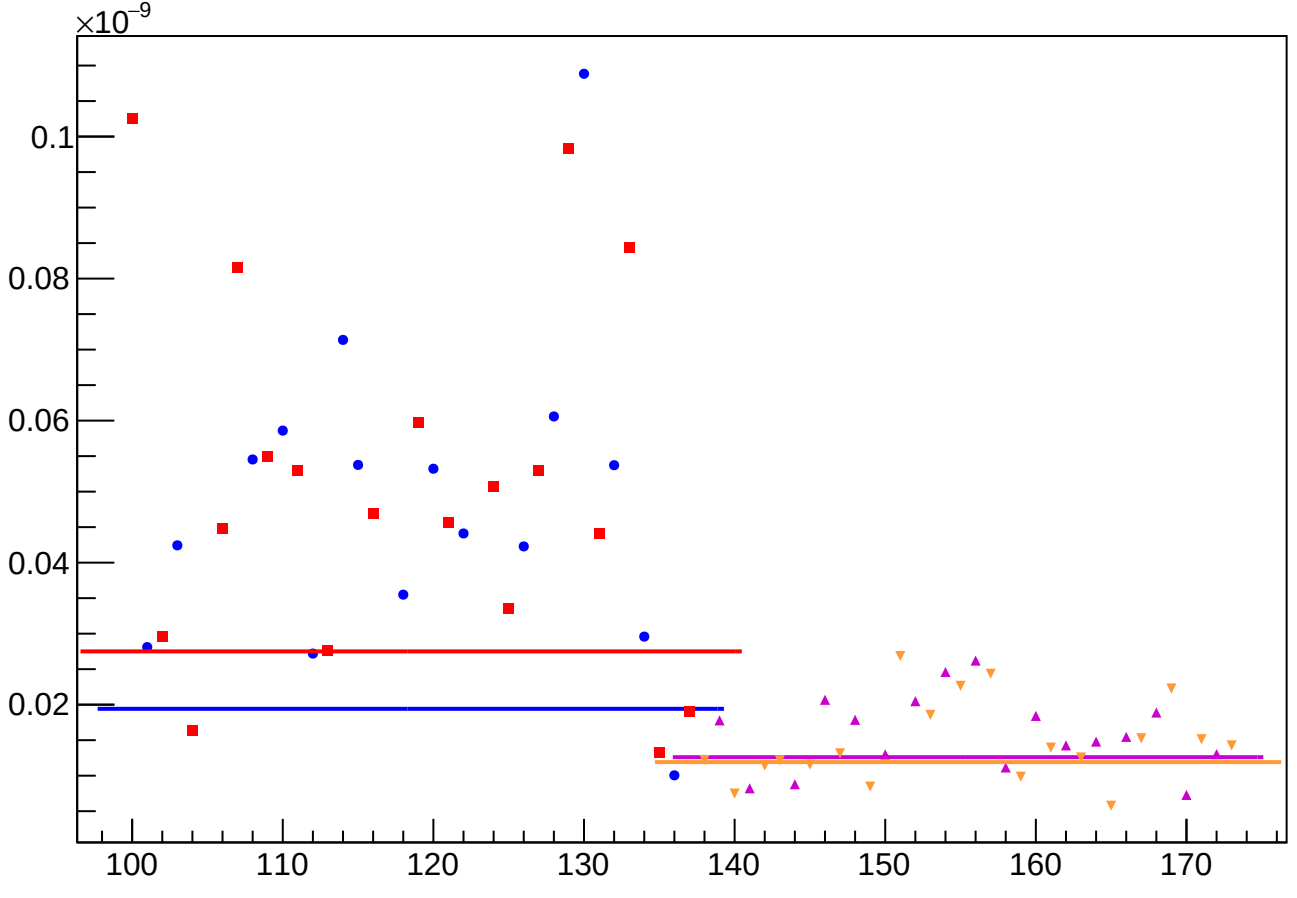
Left: 0.000+/-0.000 χ^2/NDF: 27.5/35

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:37.0/32

Out: 0.000+/-0.000 χ^2/NDF:37.7/37

All: 0.000+/-0.000 χ^2/NDF: 74.6/70



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1377789.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1337674.6/16

Left: 0.000+/-0.000 χ^2/NDF: 2730422.0/35

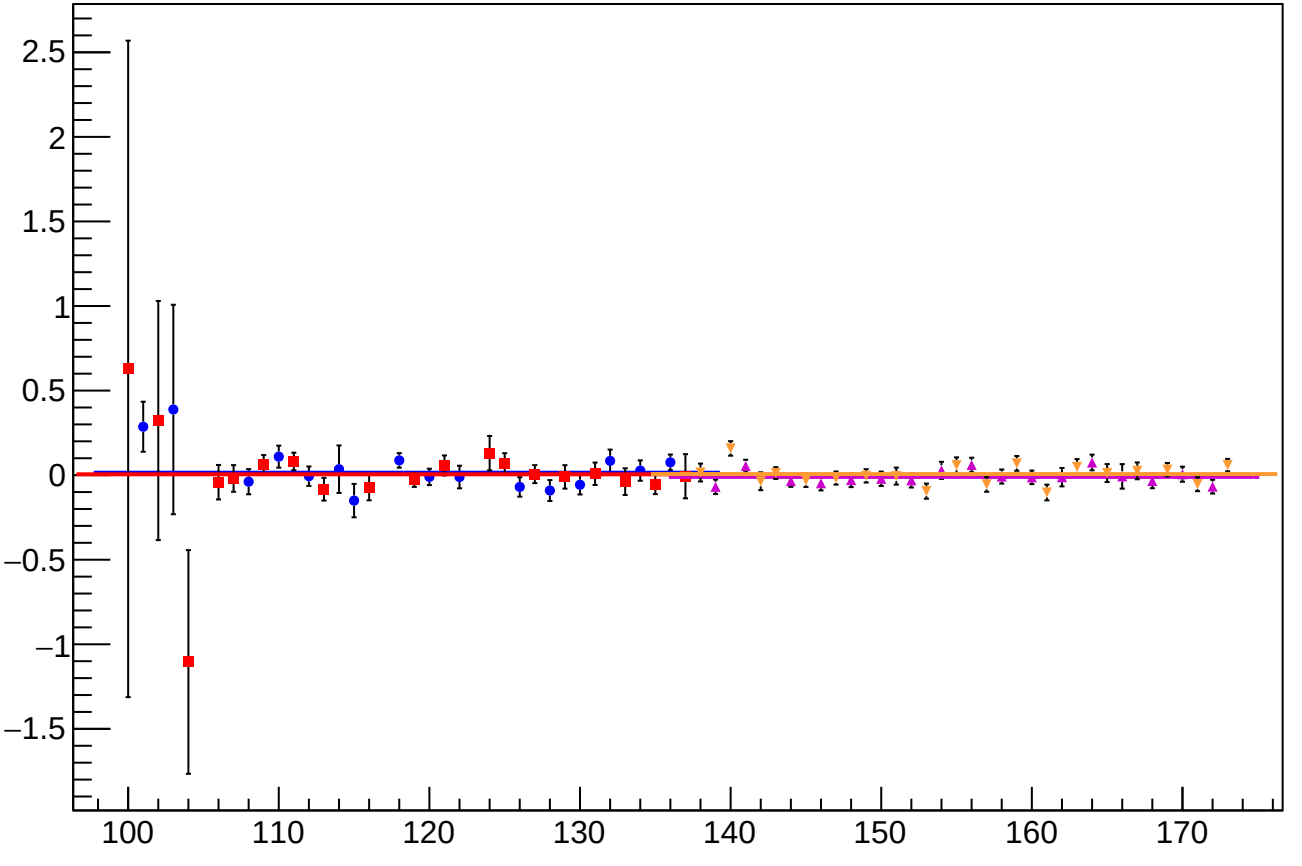
Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3995424.7/32

Out: 0.000+/-0.000 χ^2/NDF:4260130.0/37

All: 0.000+/-0.000 χ^2/NDF: 8265001.4/70

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.010 χ^2/NDF:35.9/18

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.010+/-0.010 χ^2/NDF:15.8/16

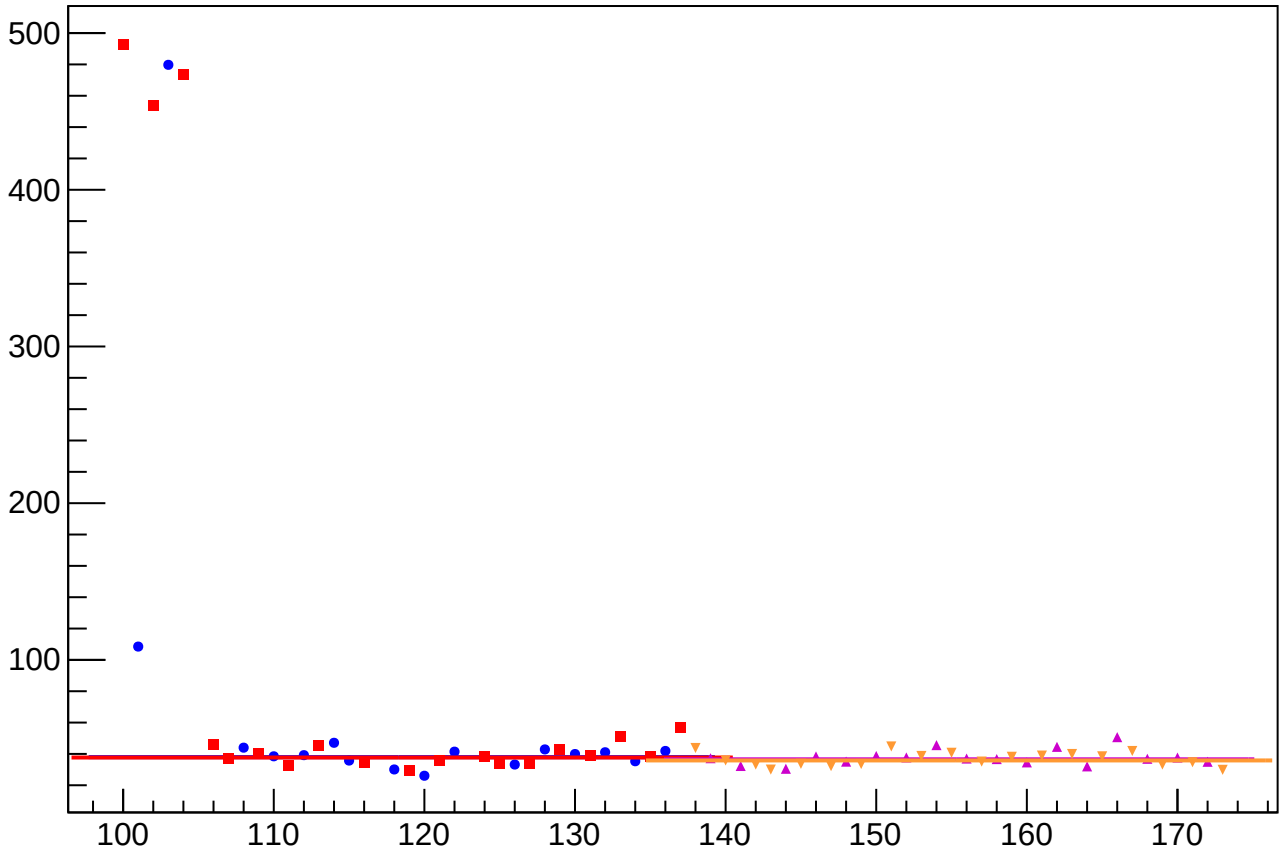
Left: -0.002+/-0.007 χ^2/NDF: 53.0/35

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.003+/-0.009 χ^2/NDF:39.5/32

Out: 0.006+/-0.008 χ^2/NDF:50.8/37

All: 0.002+/-0.006 χ^2/NDF: 90.8/70



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 35.838+/-0.007 χ^2/NDF:356911.5/18

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.560+/-0.007 χ^2/NDF:312350.1/16

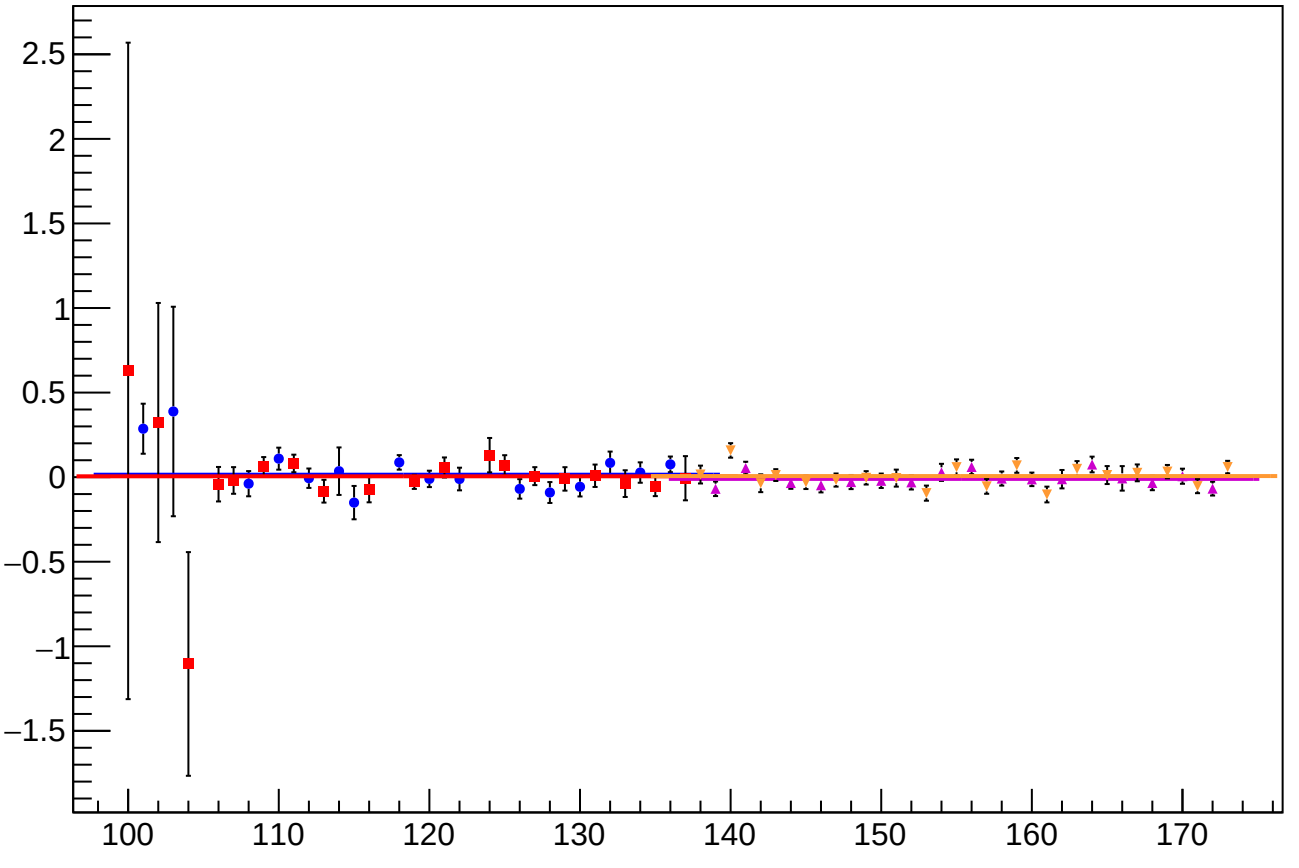
Left: 36.181+/-0.005 χ^2/NDF: 674252.9/35

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.977+/-0.006 χ^2/NDF:2062529.7/32

Out: 36.356+/-0.006 χ^2/NDF:2321131.3/37

All: 36.656+/-0.004 χ^2/NDF: 4388869.2/70



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.010 χ^2/NDF:35.9/18

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.010+/-0.010 χ^2/NDF:15.8/16

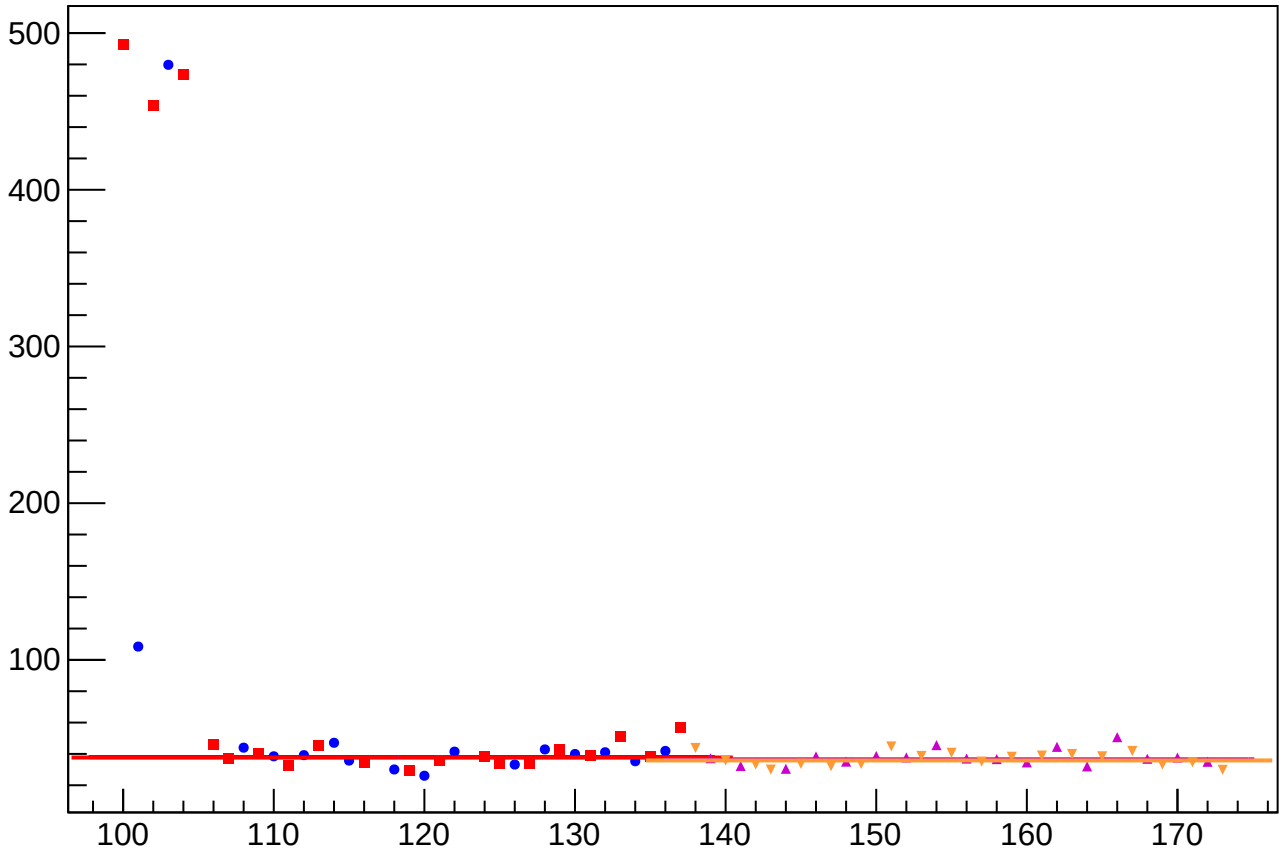
Left: -0.002+/-0.007 χ^2/NDF: 53.0/35

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.003+/-0.009 χ^2/NDF:39.5/32

Out: 0.006+/-0.008 χ^2/NDF:50.8/37

All: 0.002+/-0.006 χ^2/NDF: 90.8/70



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 35.838+/-0.007 χ^2/NDF:356911.5/18

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.560+/-0.007 χ^2/NDF:312350.1/16

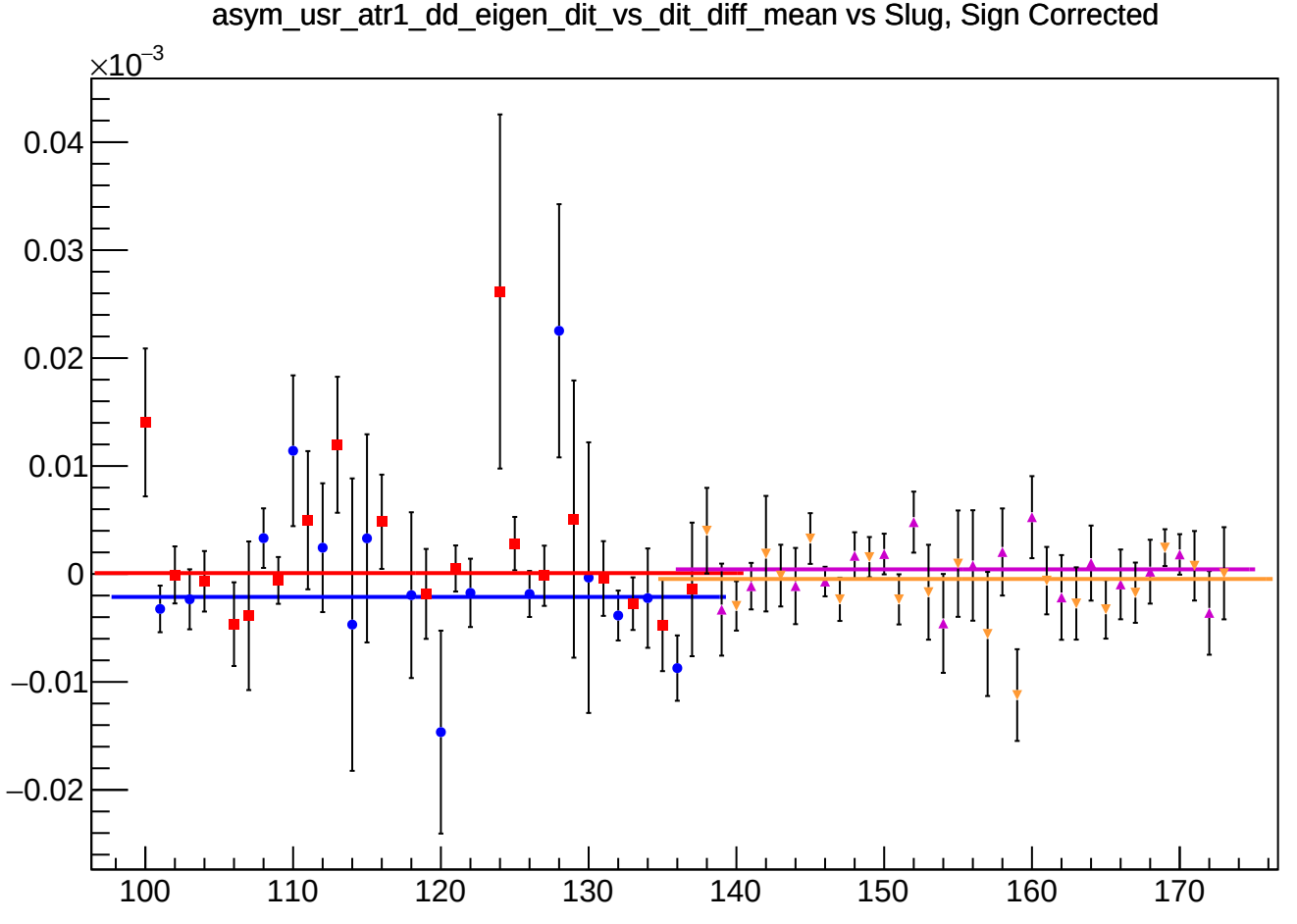
Left: 36.181+/-0.005 χ^2/NDF: 674252.9/35

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.977+/-0.006 χ^2/NDF:2062529.7/32

Out: 36.356+/-0.006 χ^2/NDF:2321131.3/37

All: 36.656+/-0.004 χ^2/NDF: 4388869.2/70



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:10.7/16

Left: -0.000+/-0.000 χ^2/NDF: 31.8/35

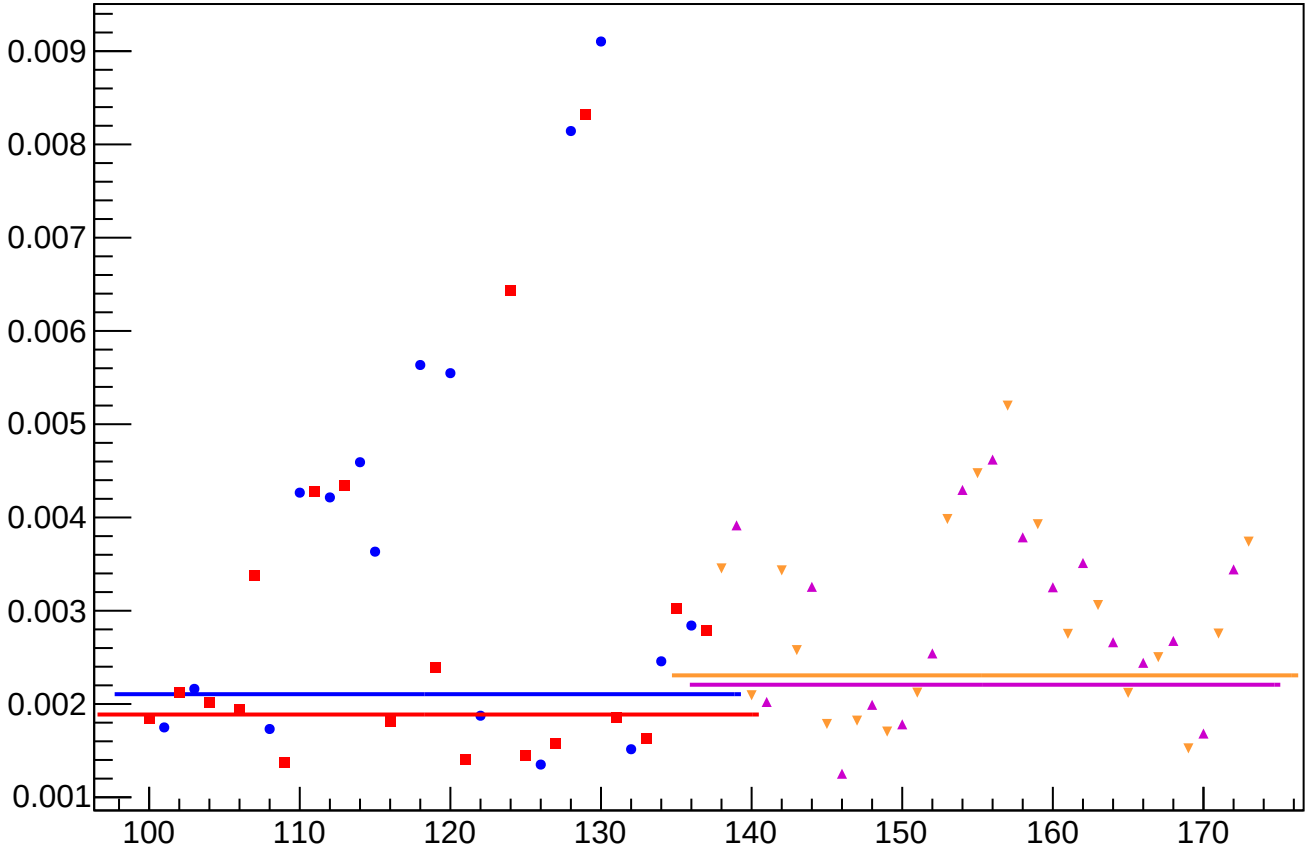
Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:36.5/32

Out: -0.000+/-0.000 χ^2/NDF:38.7/37

All: -0.000+/-0.000 χ^2/NDF: 75.3/70

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:3050397.3/18

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:3629734.8/16

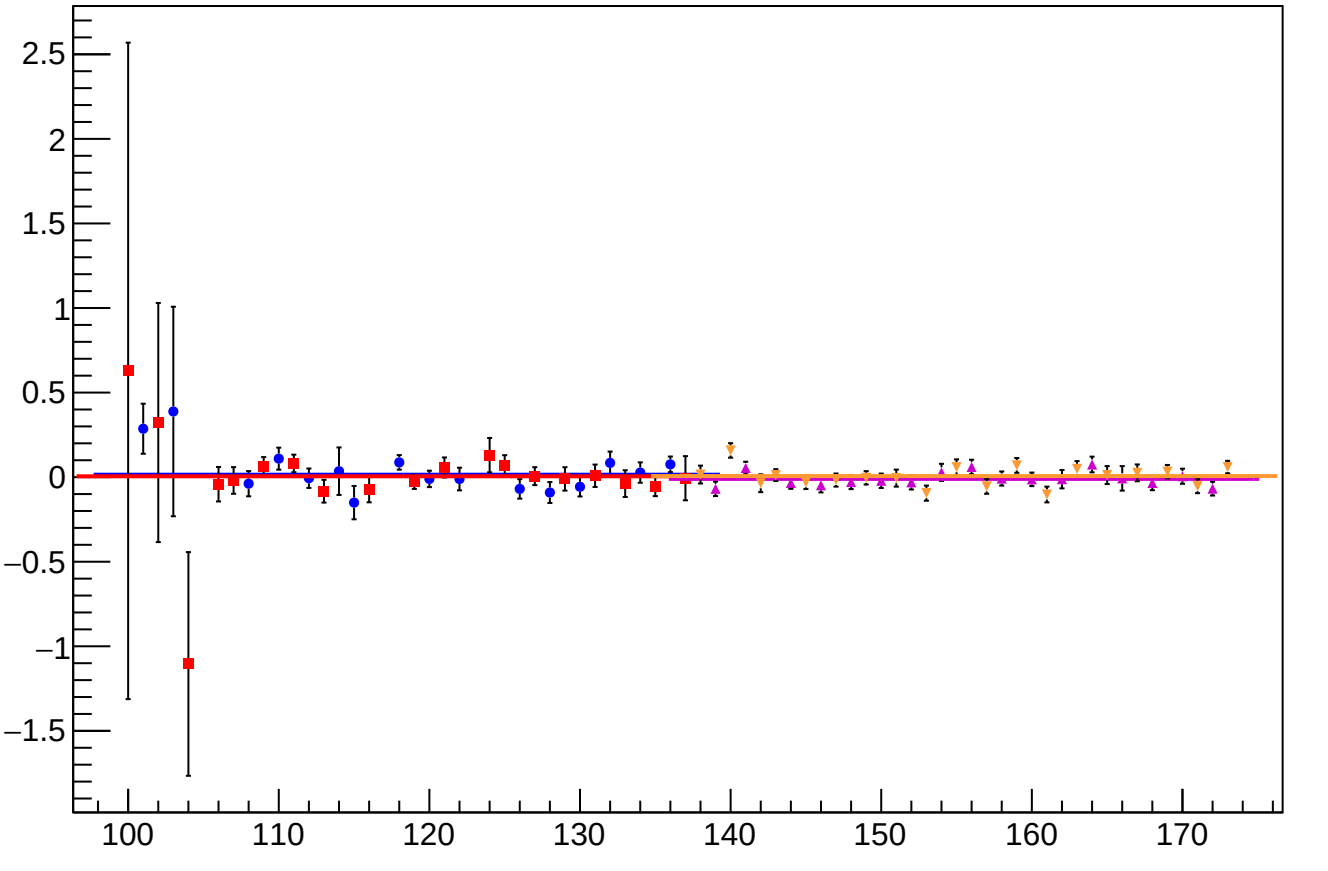
Left: 0.002+/-0.000 χ^2/NDF: 6704745.7/35

Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:6664188.5/32

Out: 0.002+/-0.000 χ^2/NDF:5284094.6/37

All: 0.002+/-0.000 χ^2/NDF: 11952145.2/70



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.010 χ^2/NDF:35.9/18

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.010+/-0.010 χ^2/NDF:15.8/16

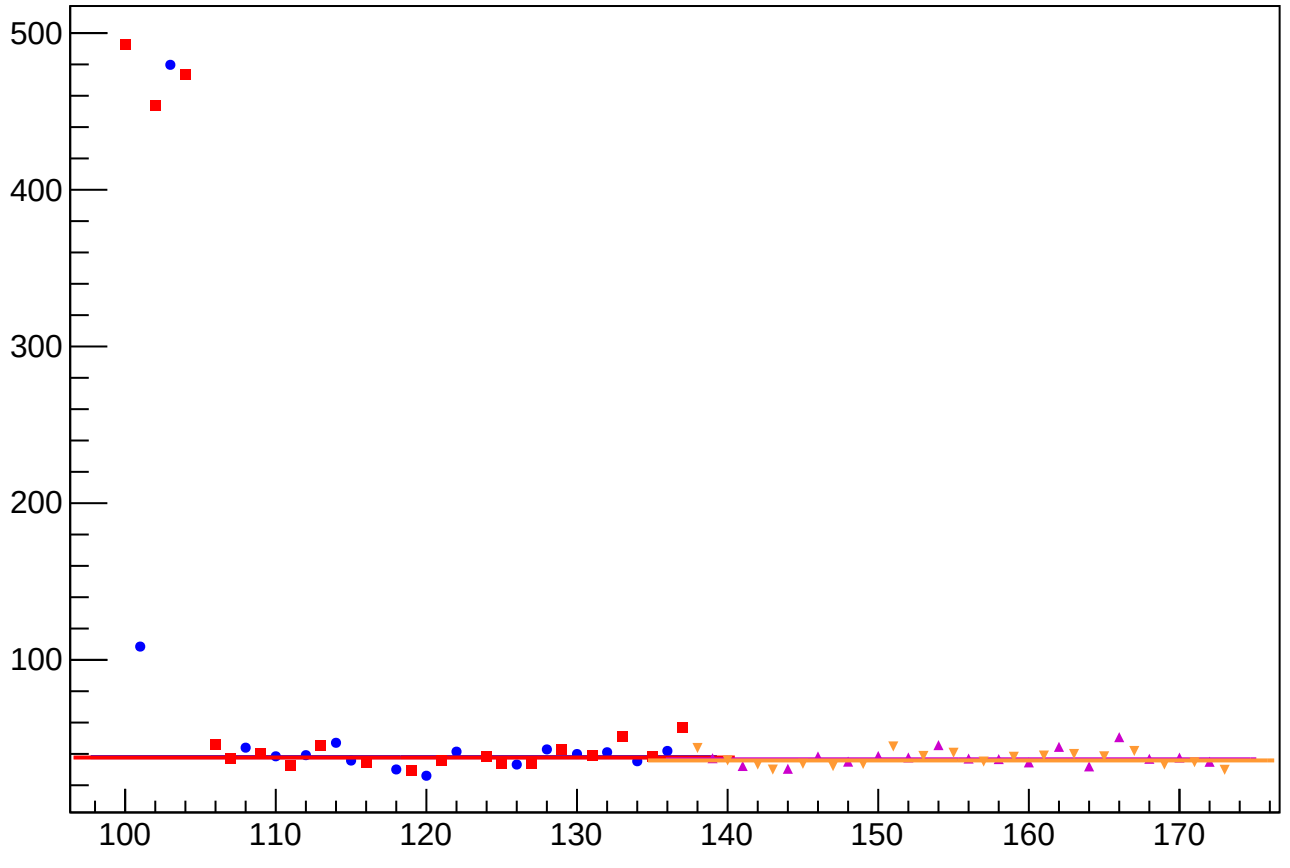
Left: -0.002+/-0.007 χ^2/NDF: 53.0/35

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.003+/-0.009 χ^2/NDF:39.5/32

Out: 0.006+/-0.008 χ^2/NDF:50.8/37

All: 0.002+/-0.006 χ^2/NDF: 90.8/70



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 35.838+/-0.007 χ^2/NDF:356948.5/18

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.560+/-0.007 χ^2/NDF:312386.2/16

Left: 36.181+/-0.005 χ^2/NDF: 674322.5/35

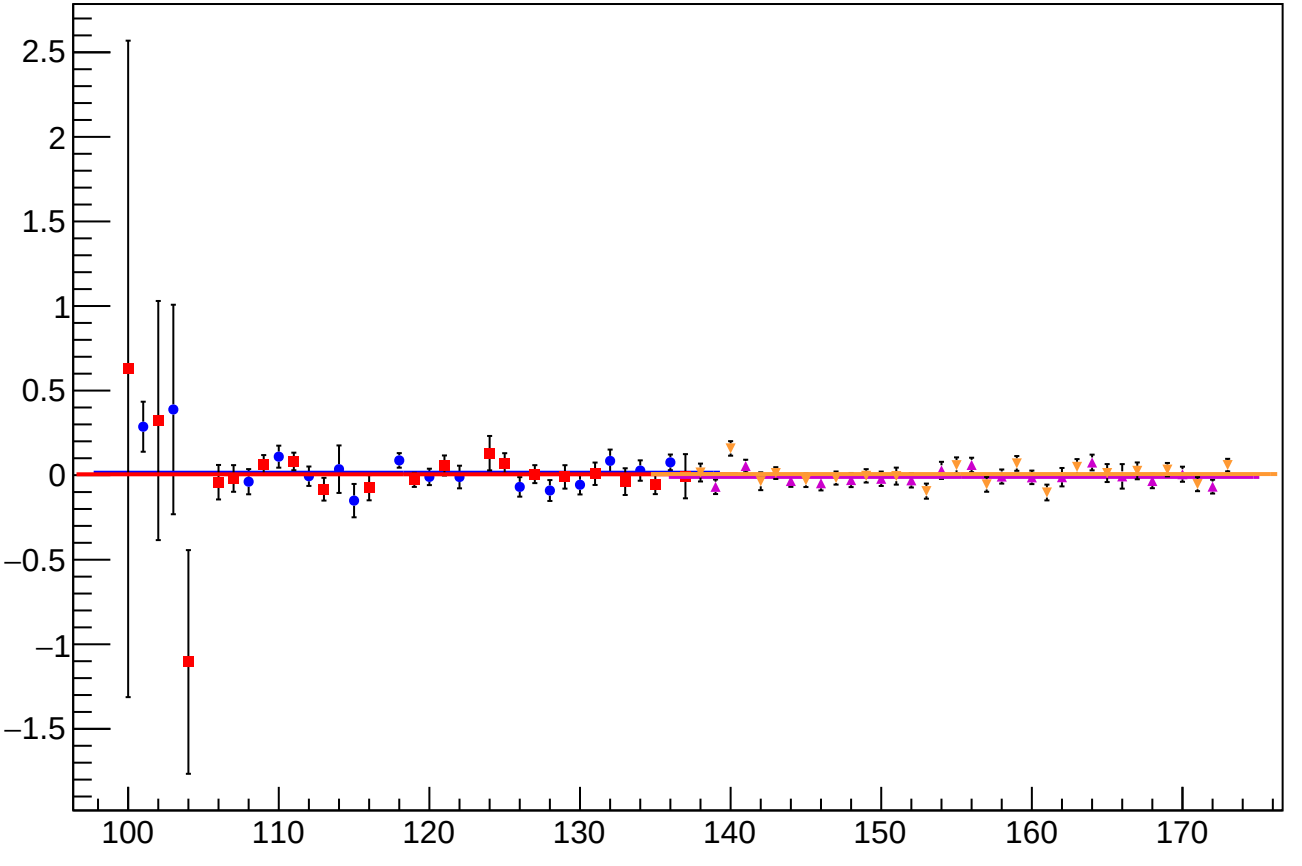
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.977+/-0.006 χ^2/NDF:2062575.2/32

Out: 36.355+/-0.006 χ^2/NDF:2321223.0/37

All: 36.656+/-0.004 χ^2/NDF: 4389006.5/70

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.010 χ^2/NDF:35.9/18

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.010+/-0.010 χ^2/NDF:15.8/16

Left: -0.002+/-0.007 χ^2/NDF: 53.0/35

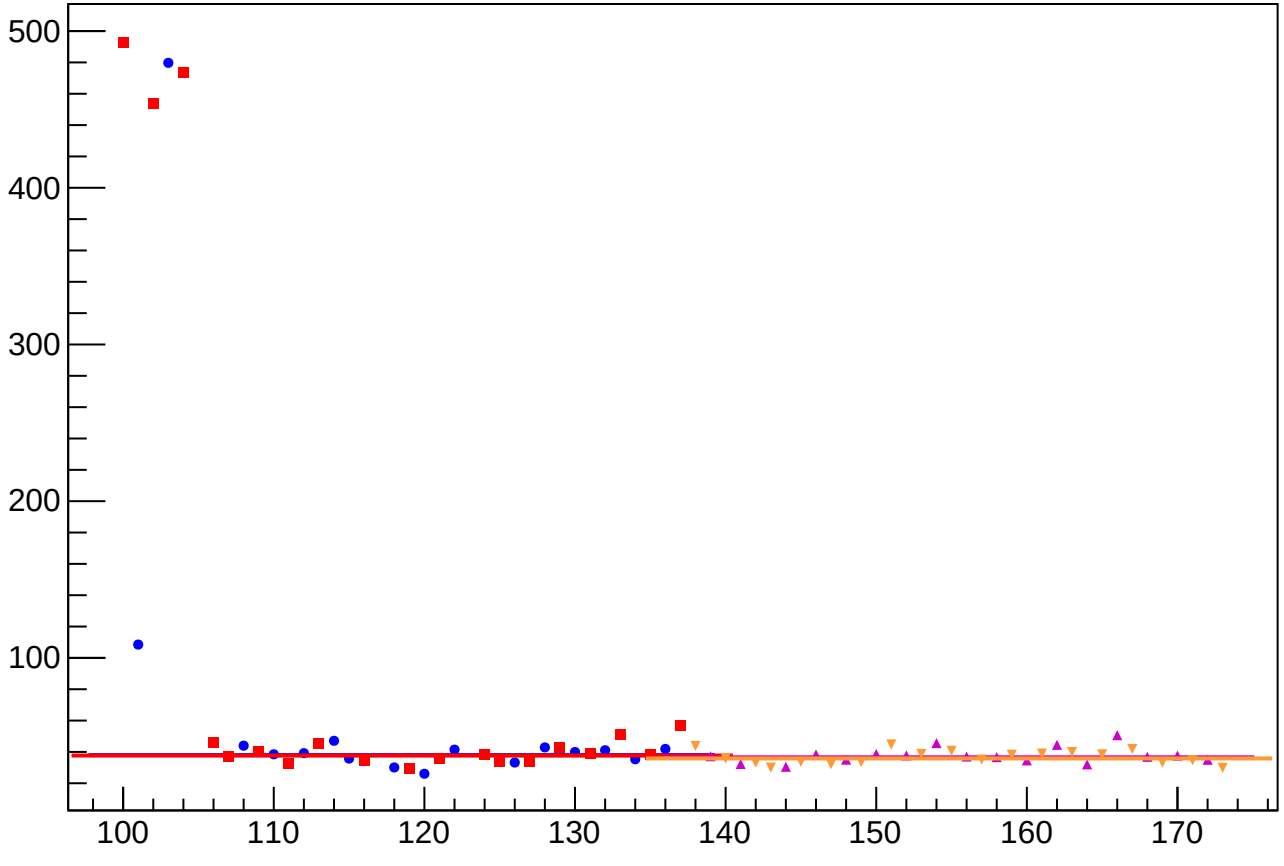
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.003+/-0.009 χ^2/NDF:39.5/32

Out: 0.006+/-0.008 χ^2/NDF:50.8/37

All: 0.002+/-0.006 χ^2/NDF: 90.8/70

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 35.838+/-0.007 χ^2/NDF:356948.5/18

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.560+/-0.007 χ^2/NDF:312386.2/16

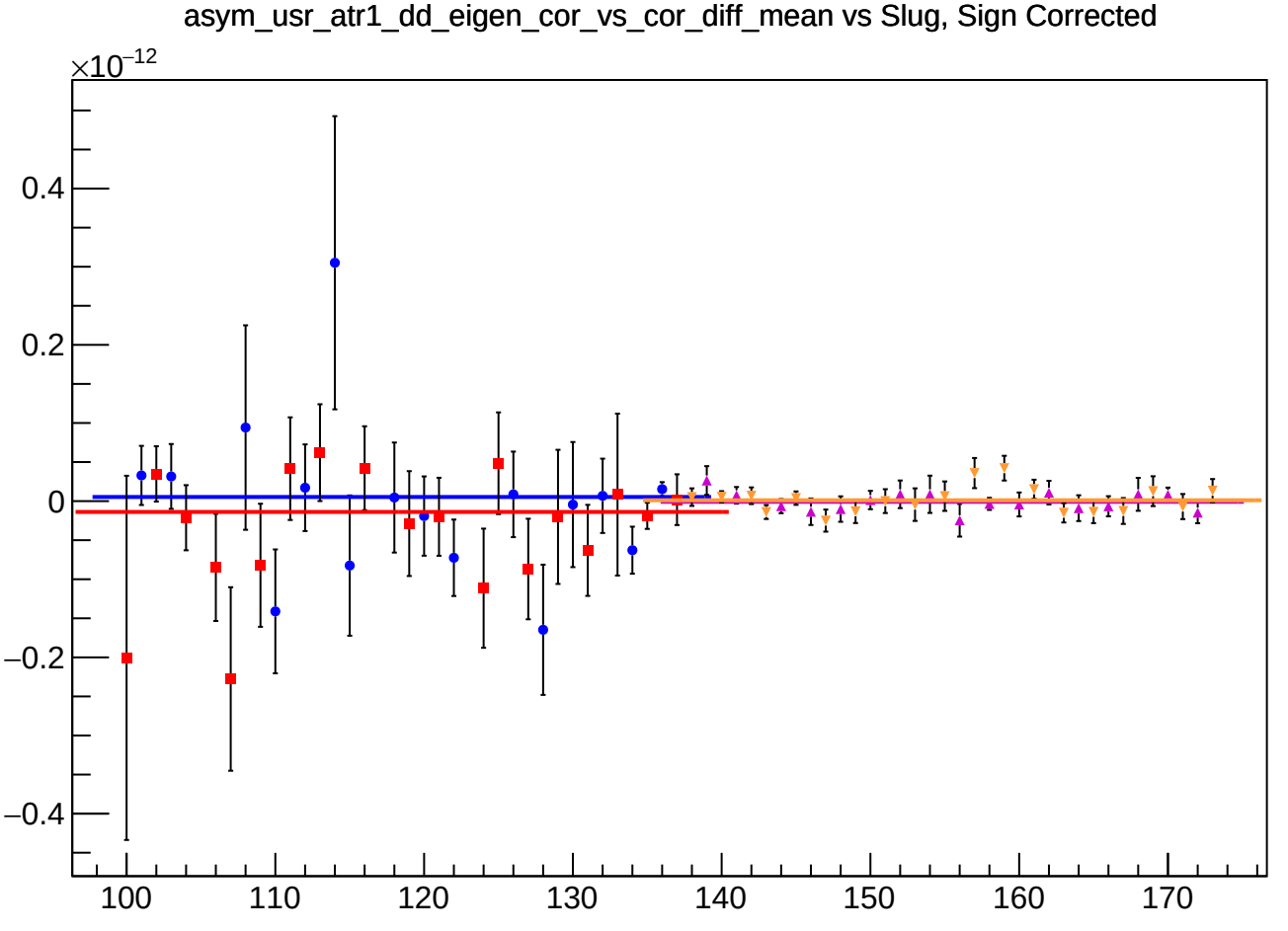
Left: 36.181+/-0.005 χ^2/NDF: 674322.5/35

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.977+/-0.006 χ^2/NDF:2062575.2/32

Out: 36.355+/-0.006 χ^2/NDF:2321223.0/37

All: 36.656+/-0.004 χ^2/NDF: 4389006.5/70



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:9.2/16

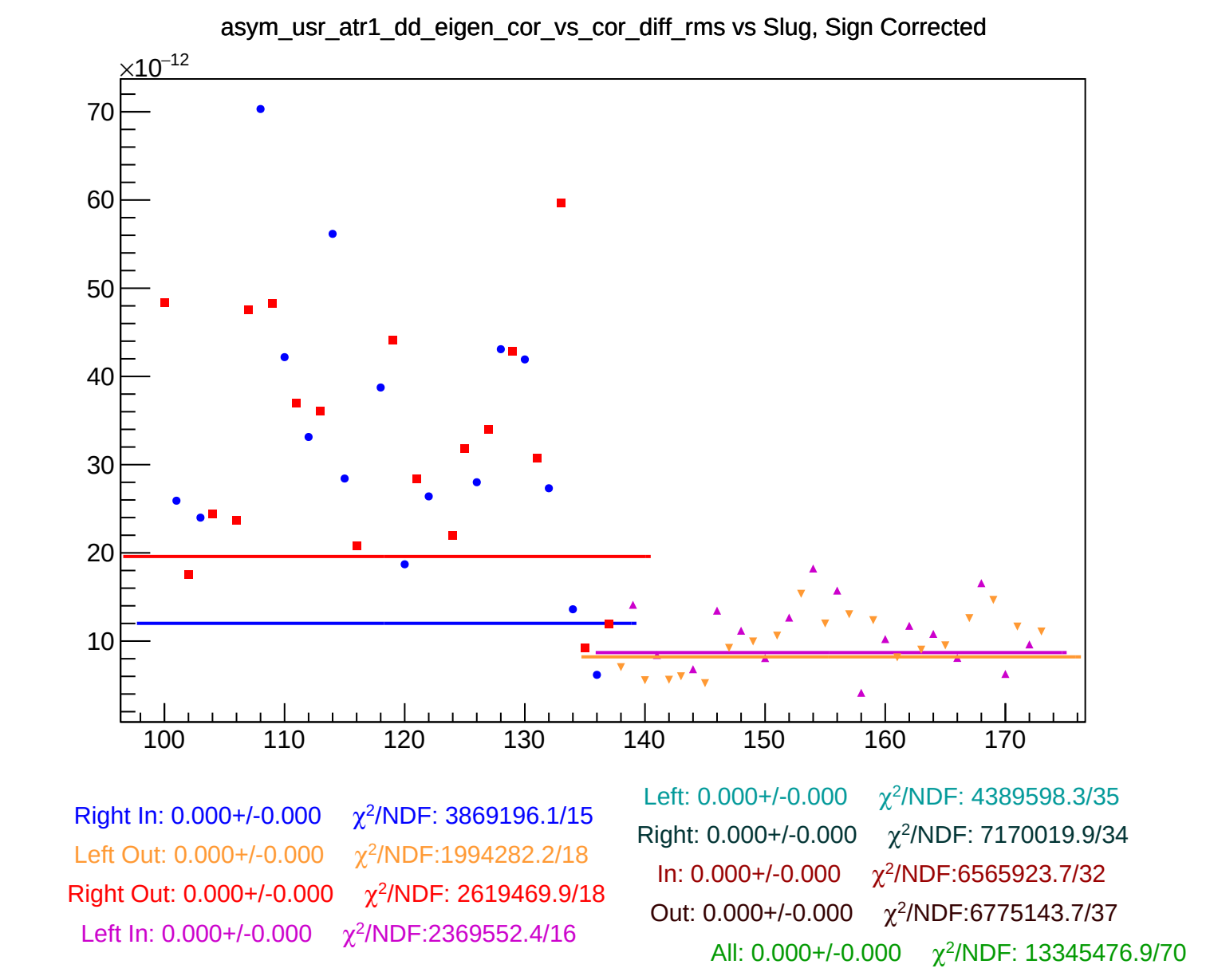
Left: 0.000+/-0.000 χ^2/NDF: 33.6/35

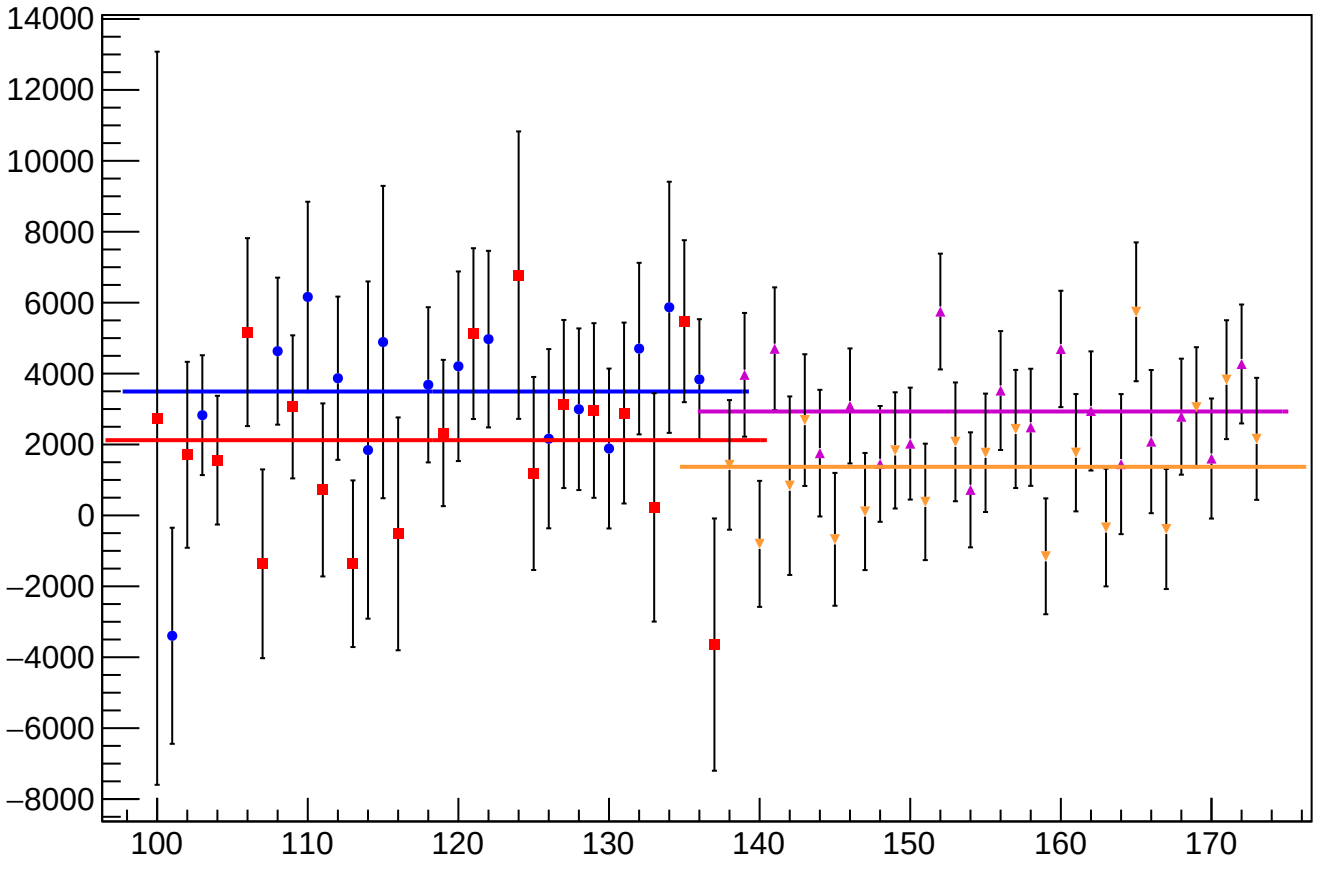
Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:31.4/32

Out: 0.000+/-0.000 χ^2/NDF:42.1/37

All: 0.000+/-0.000 χ^2/NDF: 73.5/70


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3869196.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1994282.2/18
Right Out: 0.000+/-0.000 χ²/NDF: 2619469.9/18
Left In: 0.000+/-0.000 χ²/NDF:2369552.4/16
Left: 0.000+/-0.000 χ²/NDF: 4389598.3/35
Right: 0.000+/-0.000 χ²/NDF: 7170019.9/34
In: 0.000+/-0.000 χ²/NDF:6565923.7/32
Out: 0.000+/-0.000 χ²/NDF:6775143.7/37
All: 0.000+/-0.000 χ²/NDF: 13345476.9/70



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1370.139+/-398.779 χ^2/NDF:17.8/18

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 2930.539+/-411.191 χ^2/NDF:11.2/16

Left: 2126.432+/-286.267 χ^2/NDF: 36.4/35

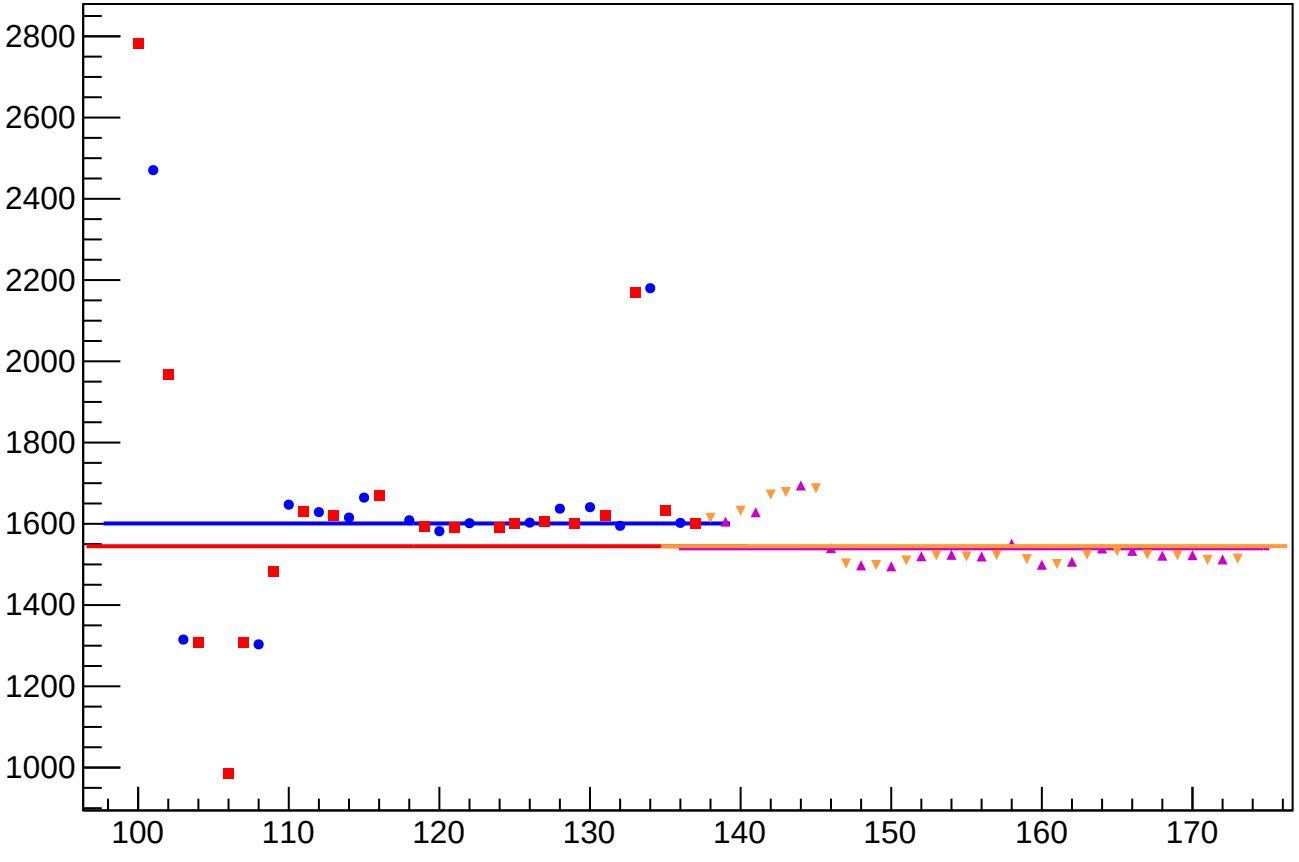
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3110.243+/-339.397 χ^2/NDF:20.6/32

Out: 1607.131+/-329.970 χ^2/NDF:34.0/37

All: 2337.520+/-236.587 χ^2/NDF: 64.7/70

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1545.046+/-0.282 χ^2/NDF:44348.4/18

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1539.629+/-0.291 χ^2/NDF:29850.6/16

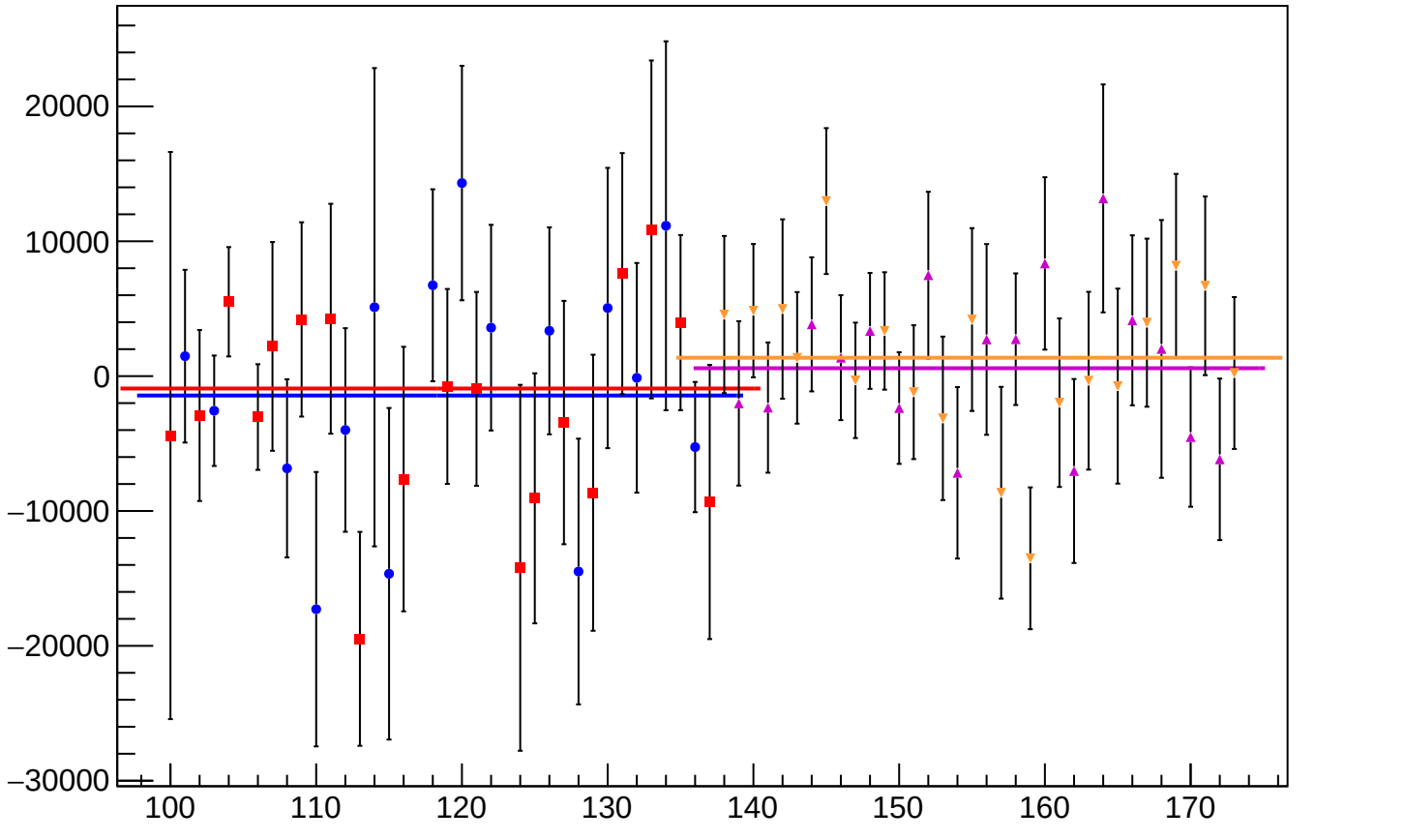
Left: 1542.421+/-0.202 χ^2/NDF: 74377.8/35

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1559.150+/-0.240 χ^2/NDF:361408.2/32

Out: 1544.970+/-0.232 χ^2/NDF:420476.0/37

All: 1551.822+/-0.167 χ^2/NDF: 783688.5/70



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 1362.345+/-1304.105 χ^2/NDF:19.0/18

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 586.301+/-1356.231 χ^2/NDF:12.5/16

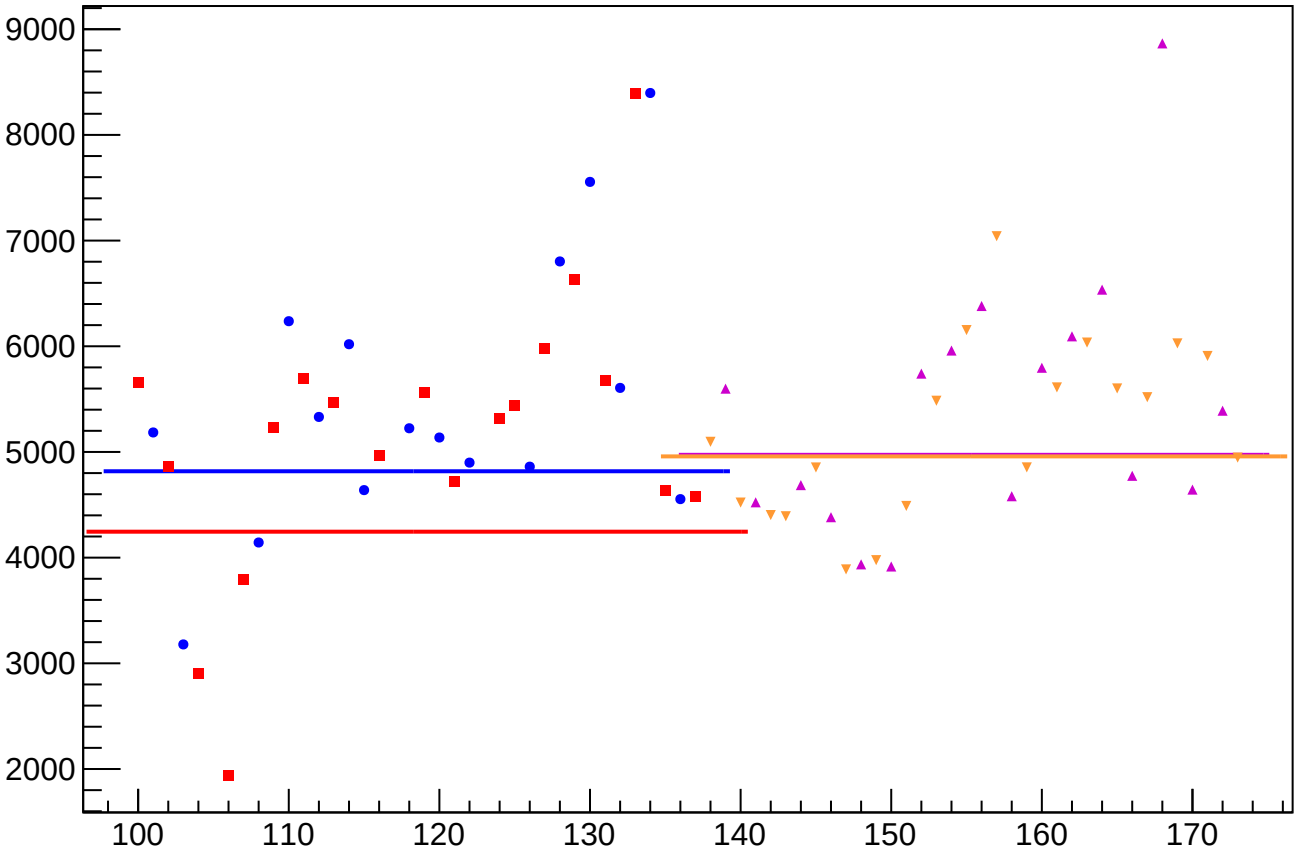
Left: 989.523+/-940.029 χ^2/NDF: 31.6/35

Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -121.868+/-1093.440 χ^2/NDF:27.1/32

Out: 497.886+/-1027.672 χ^2/NDF:35.5/37

All: 207.207+/-748.845 χ^2/NDF: 62.8/70



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4958.008+/-0.922 χ^2/NDF:719509.5/18

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

Left In: 4972.834+/-0.959 χ^2/NDF:1002766.9/16

Left: 4965.131+/-0.665 χ^2/NDF: 1722400.6/35

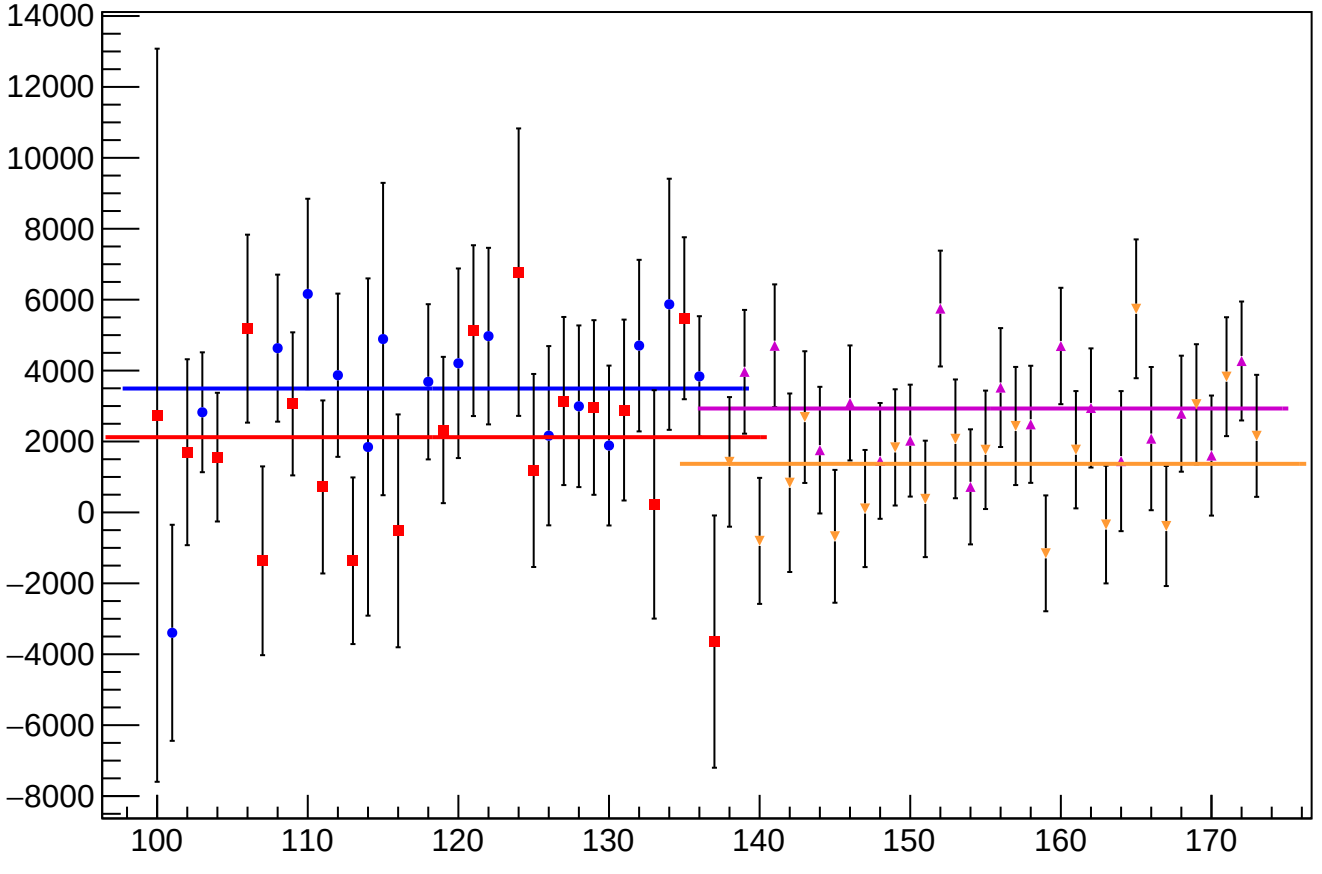
Right: 4502.414+/-0.876 χ^2/NDF: 2584018.5/34

In: 4918.414+/-0.773 χ^2/NDF:1807398.8/32

Out: 4687.972+/-0.727 χ^2/NDF:2628922.5/37

All: 4796.055+/-0.530 χ^2/NDF: 4483488.3/70

cor_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1370.017+/-398.779 χ^2/NDF:17.8/18

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2930.480+/-411.191 χ^2/NDF:11.2/16

Left: 2126.341+/-286.267 χ^2/NDF: 36.4/35

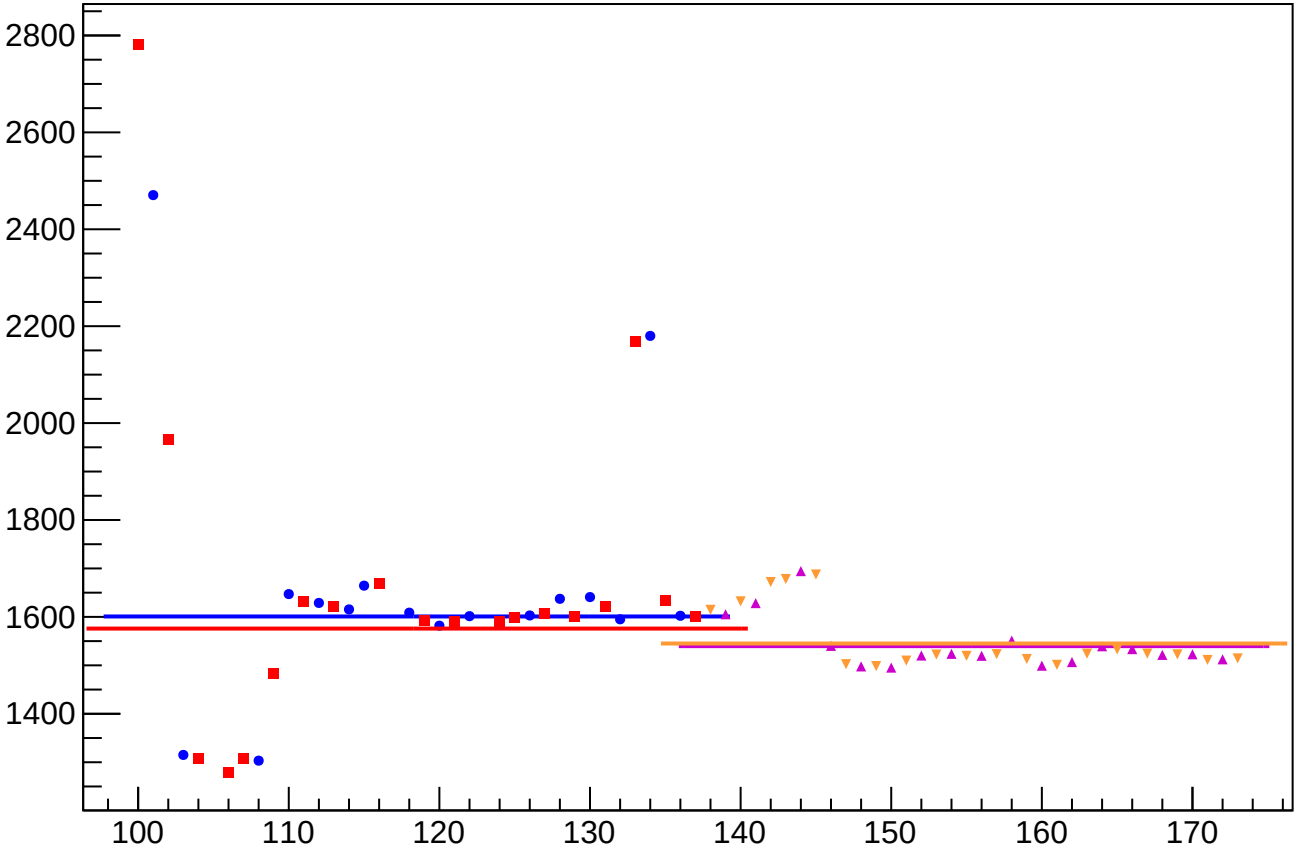
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3110.096+/-339.397 χ^2/NDF:20.6/32

Out: 1607.043+/-329.970 χ^2/NDF:34.0/37

All: 2337.405+/-236.587 χ^2/NDF: 64.7/70

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1545.046+/-0.282 χ^2/NDF:44348.4/18

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1539.629+/-0.291 χ^2/NDF:29850.6/16

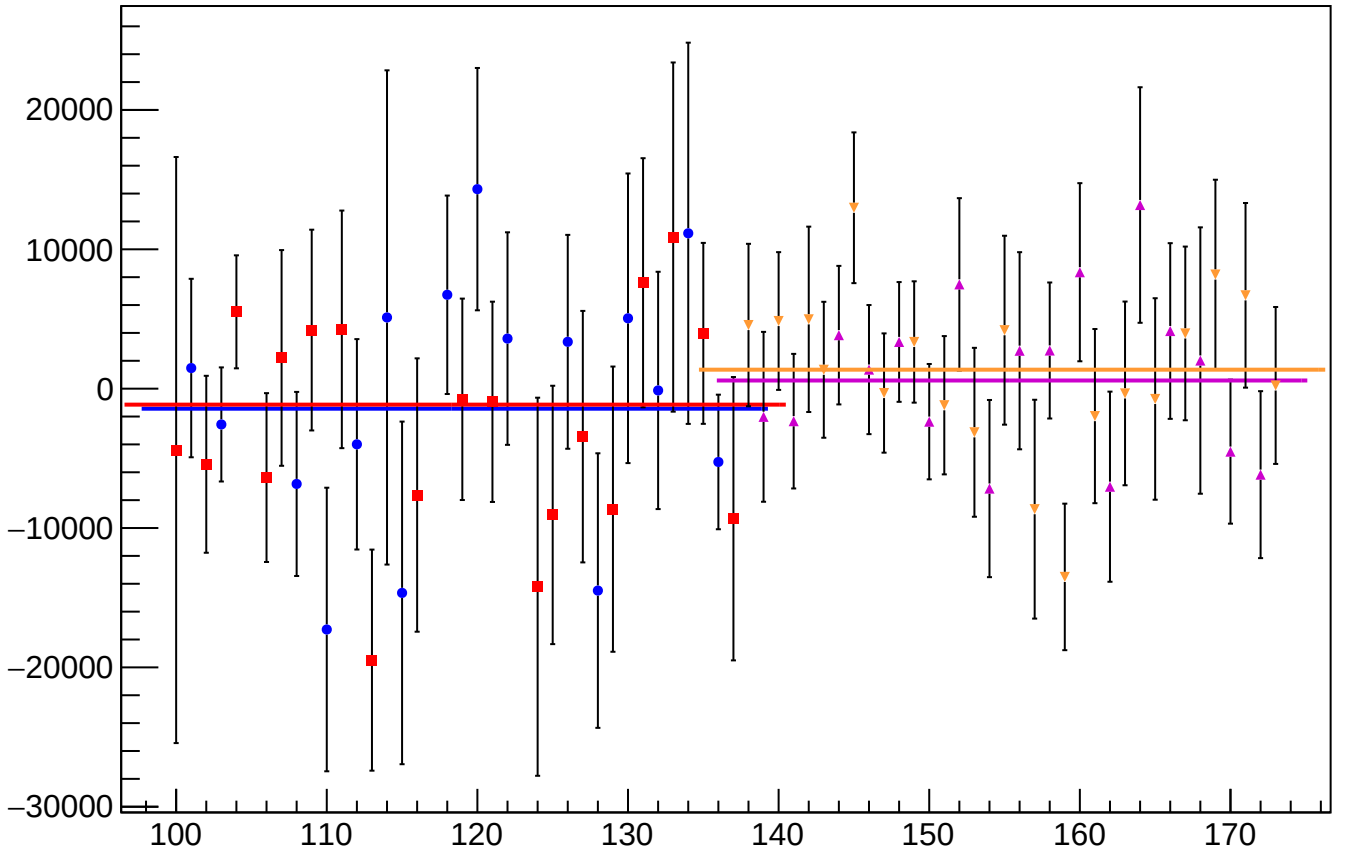
Left: 1542.421+/-0.202 χ^2/NDF: 74377.8/35

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1559.151+/-0.240 χ^2/NDF:361407.5/32

Out: 1554.828+/-0.233 χ^2/NDF:291476.0/37

All: 1556.926+/-0.167 χ^2/NDF: 653050.4/70



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1362.329+/-1304.102 χ^2/NDF:19.0/18

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 586.341+/-1356.230 χ^2/NDF:12.5/16

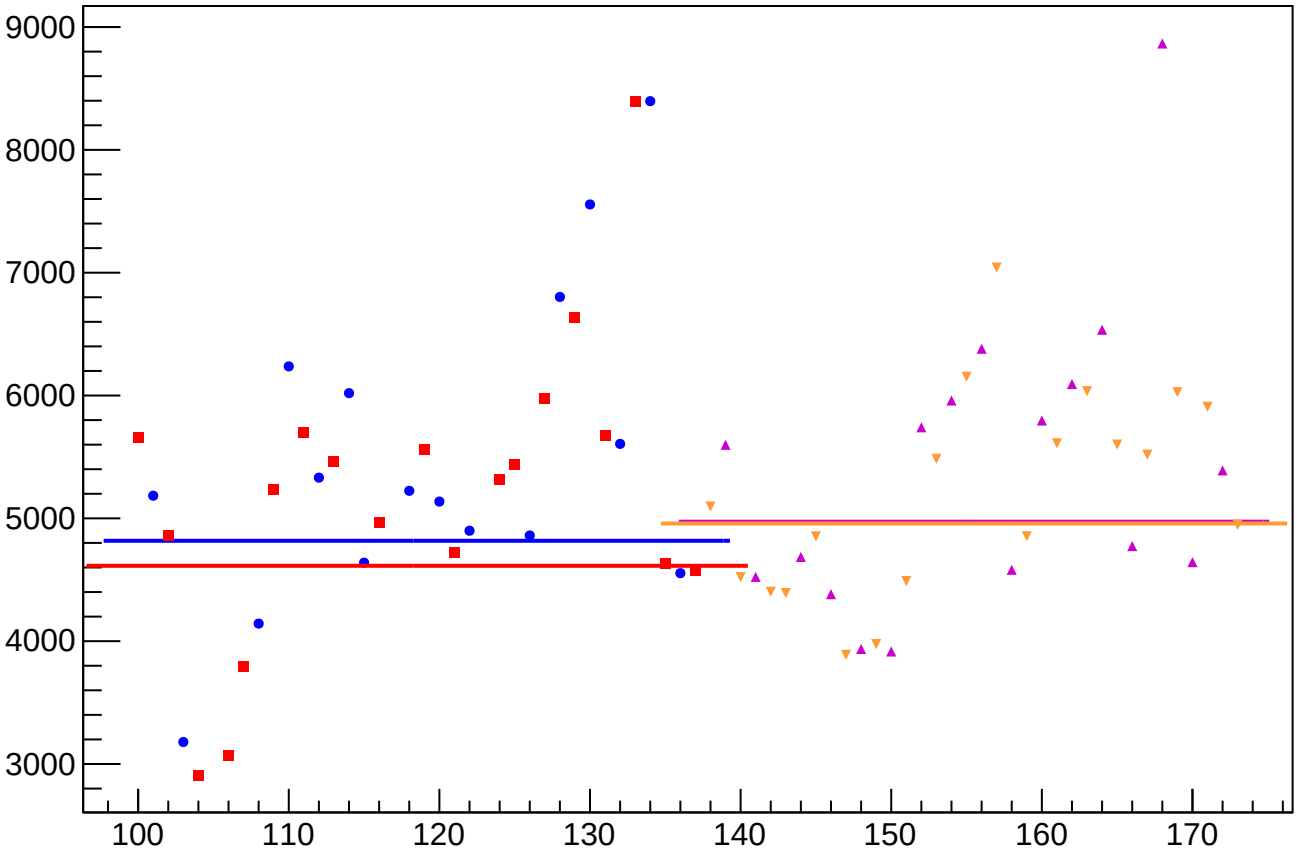
Left: 989.534+/-940.028 χ^2/NDF: 31.6/35

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -121.908+/-1093.447 χ^2/NDF:27.1/32

Out: 476.730+/-1048.940 χ^2/NDF:36.6/37

All: 189.842+/-756.958 χ^2/NDF: 63.8/70



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4957.997+/-0.922 χ^2/NDF:719515.8/18

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4972.832+/-0.959 χ^2/NDF:1002768.9/16

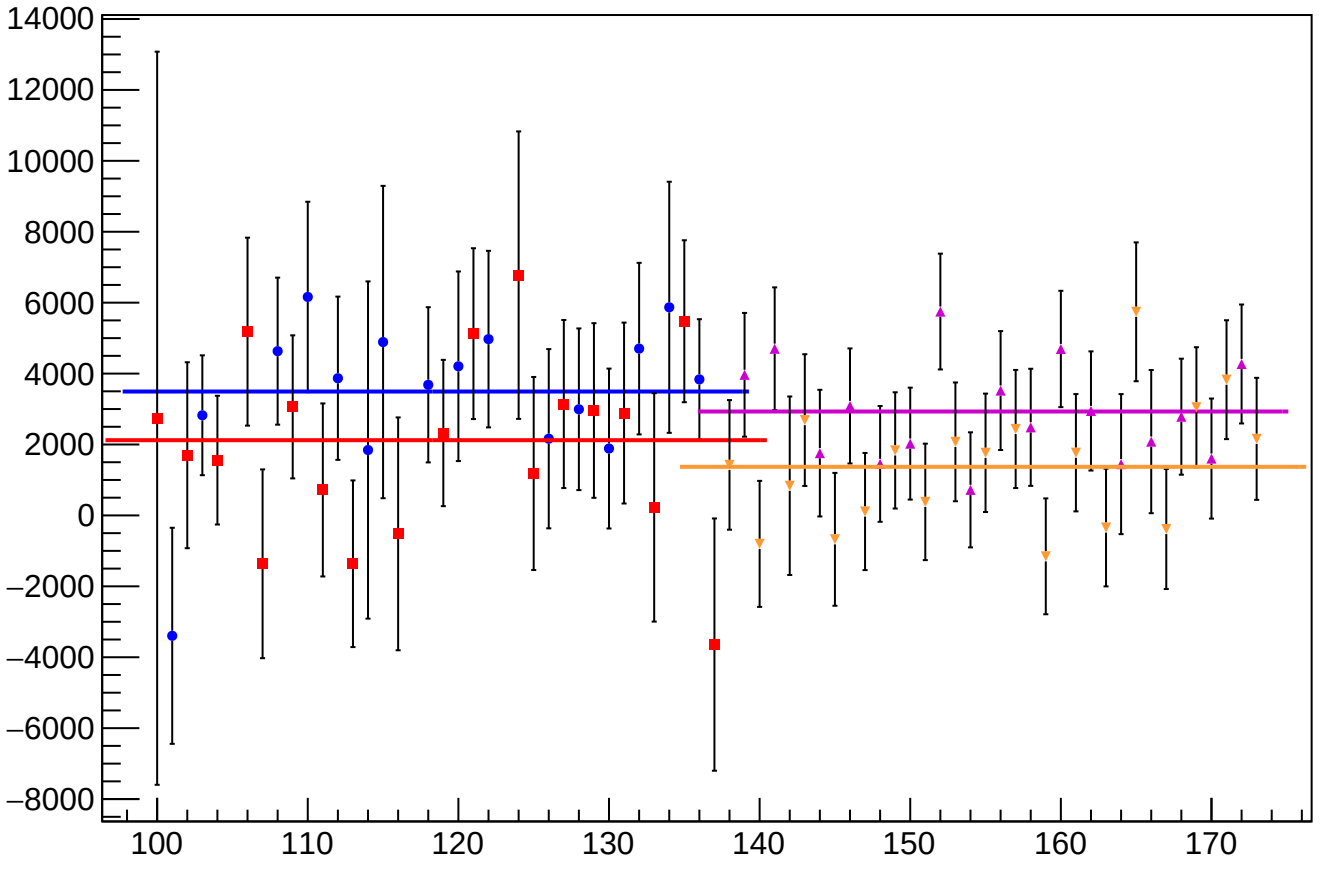
Left: 4965.124+/-0.665 χ^2/NDF: 1722409.0/35

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4918.462+/-0.773 χ^2/NDF:1807186.3/32

Out: 4836.500+/-0.742 χ^2/NDF:1746645.9/37

All: 4875.779+/-0.535 χ^2/NDF: 3559684.2/70



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1370.017+/-398.779 χ^2/NDF:17.8/18

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2930.480+/-411.191 χ^2/NDF:11.2/16

Left: 2126.341+/-286.267 χ^2/NDF: 36.4/35

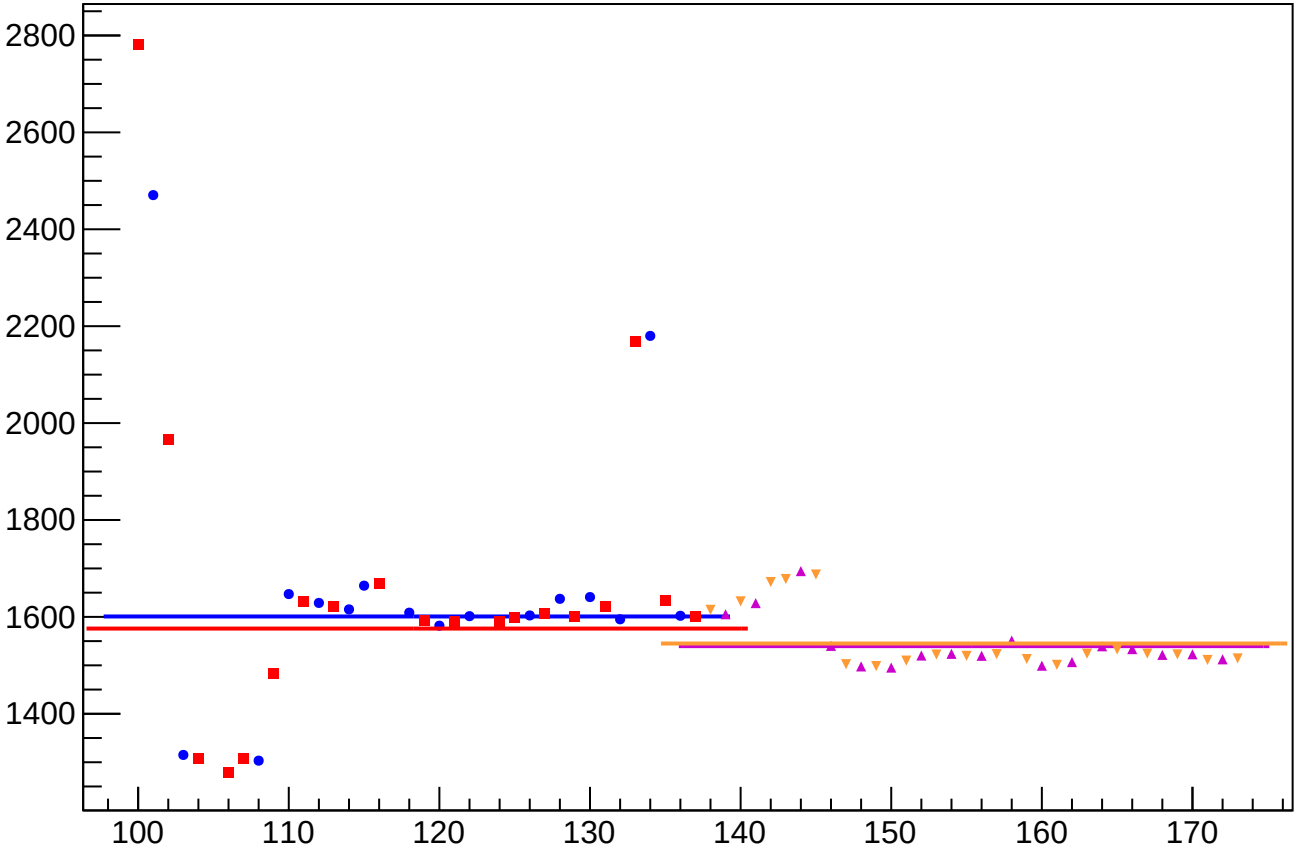
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3110.096+/-339.397 χ^2/NDF:20.6/32

Out: 1607.043+/-329.970 χ^2/NDF:34.0/37

All: 2337.405+/-236.587 χ^2/NDF: 64.7/70

eigen_cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1545.046+/-0.282 χ^2/NDF:44348.4/18

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1539.629+/-0.291 χ^2/NDF:29850.6/16

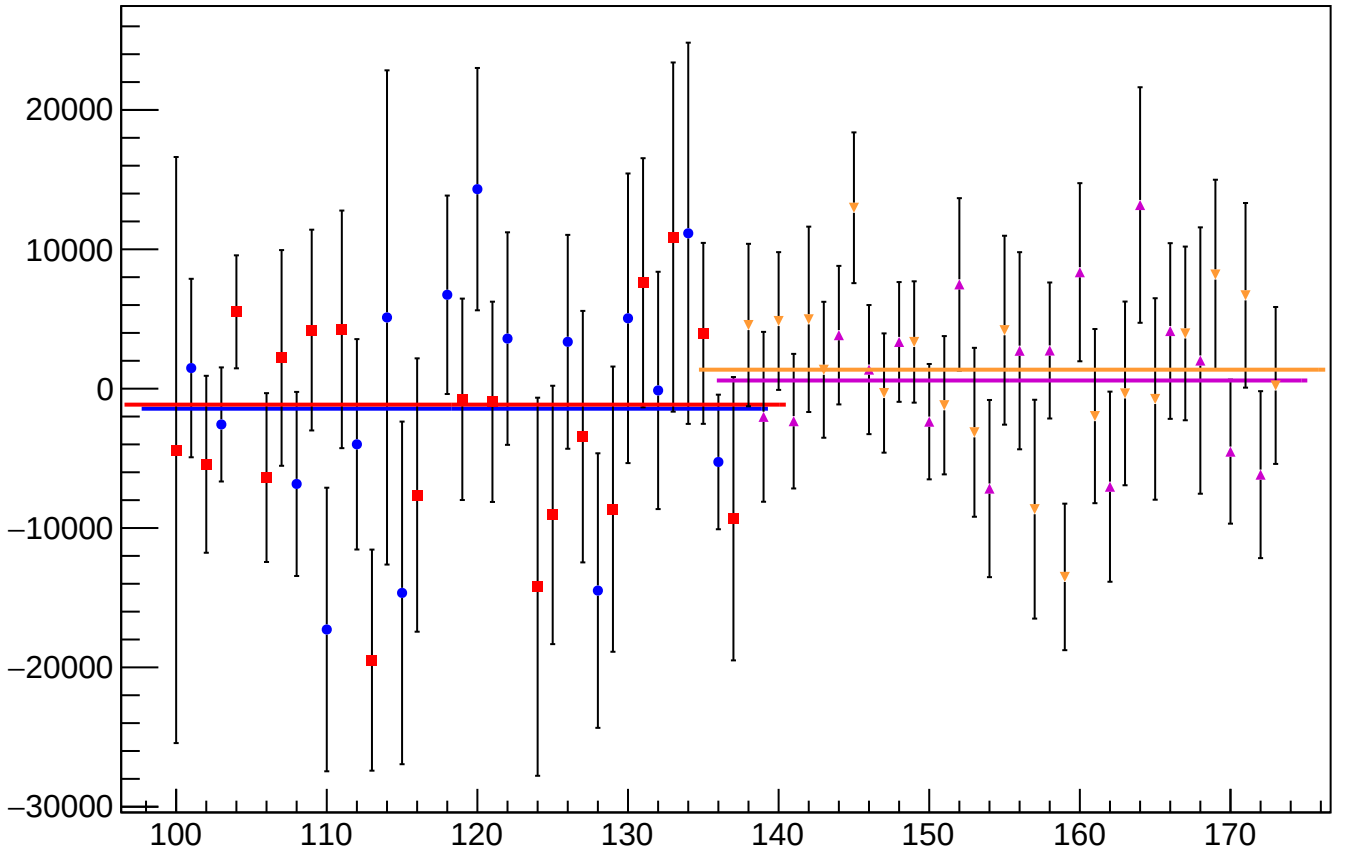
Left: 1542.421+/-0.202 χ^2/NDF: 74377.8/35

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1559.151+/-0.240 χ^2/NDF:361407.5/32

Out: 1554.828+/-0.233 χ^2/NDF:291476.0/37

All: 1556.926+/-0.167 χ^2/NDF: 653050.4/70



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1362.329+/-1304.102 χ^2/NDF:19.0/18

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 586.341+/-1356.230 χ^2/NDF:12.5/16

Left: 989.534+/-940.028 χ^2/NDF: 31.6/35

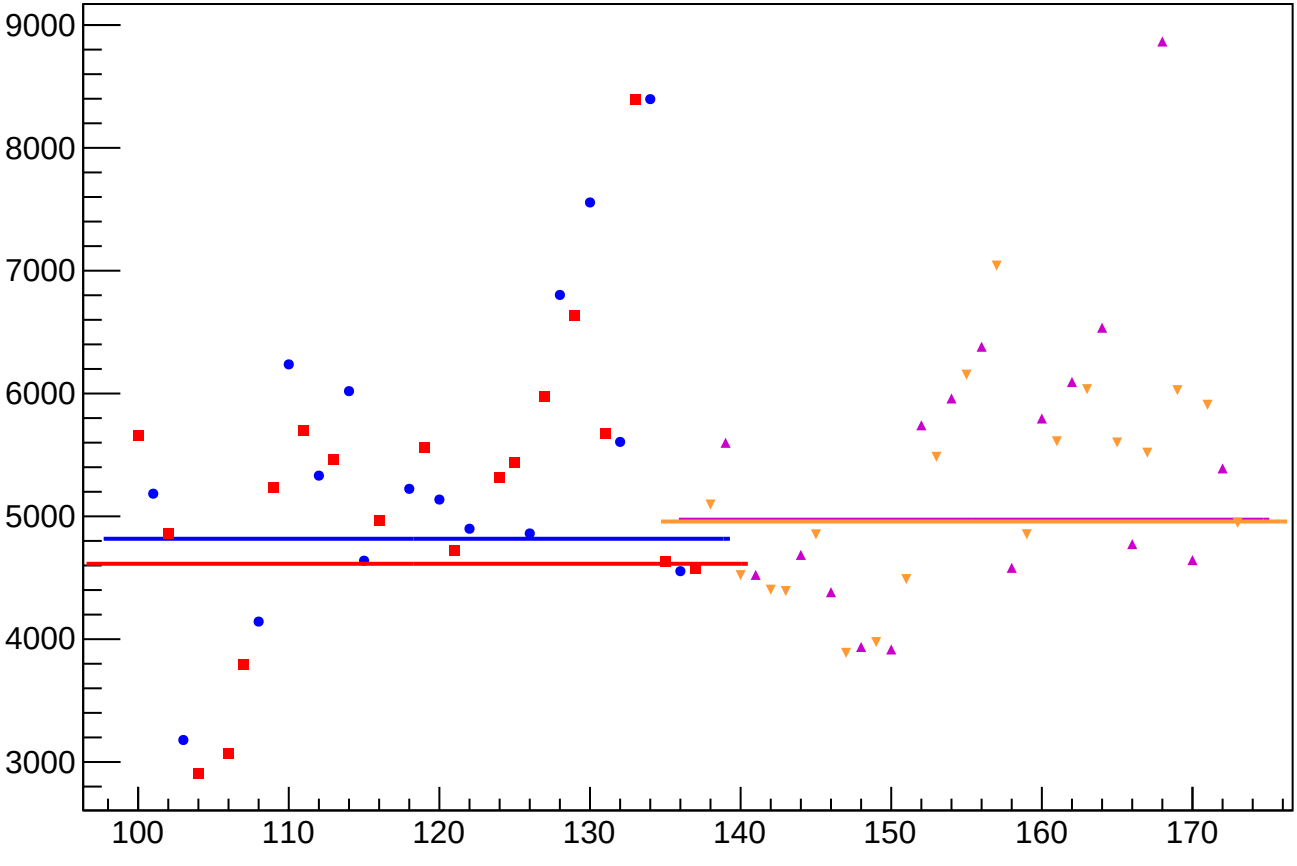
Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -121.908+/-1093.447 χ^2/NDF:27.1/32

Out: 476.730+/-1048.940 χ^2/NDF:36.6/37

All: 189.842+/-756.958 χ^2/NDF: 63.8/70

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: 4957.997+/-0.922 χ^2/NDF:719515.8/18

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4972.832+/-0.959 χ^2/NDF:1002768.9/16

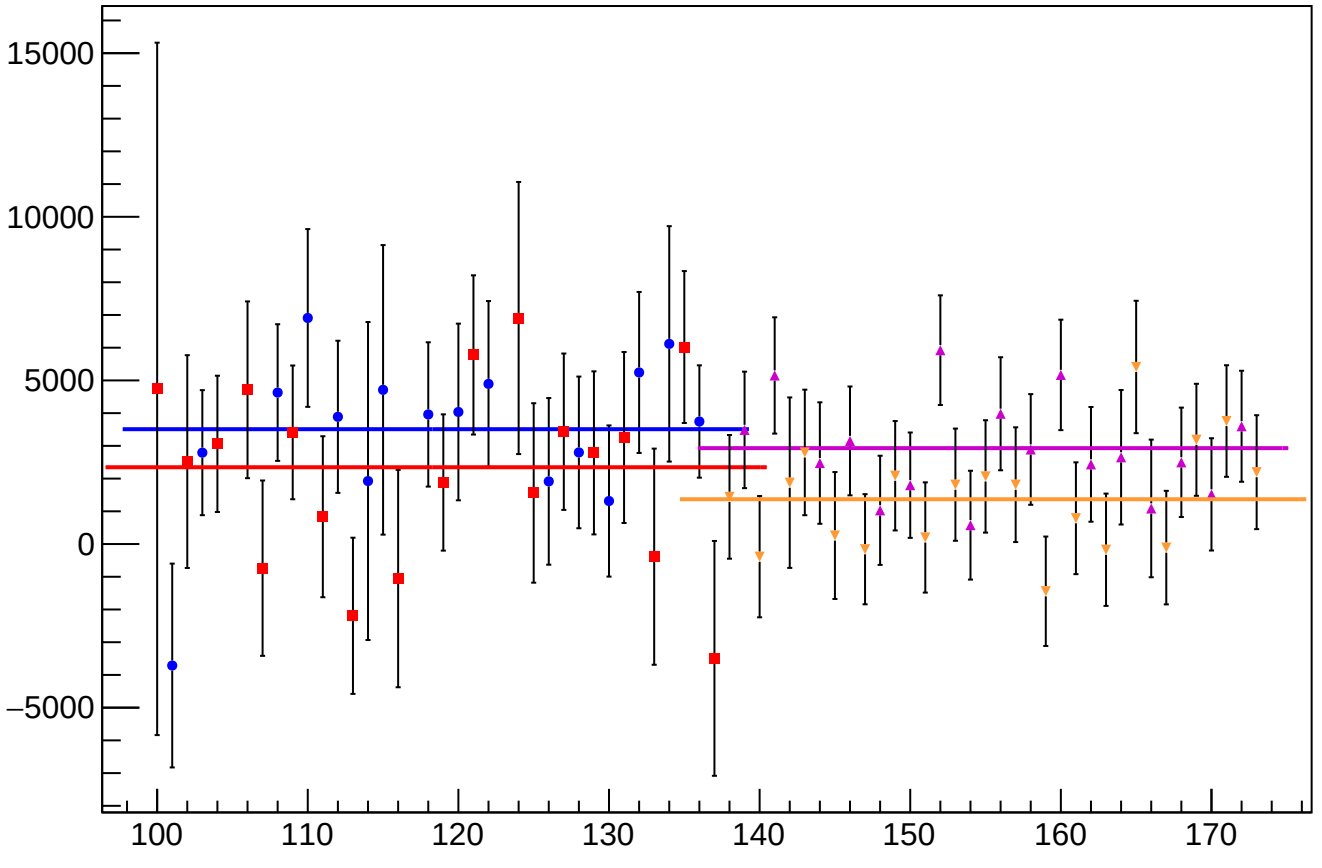
Left: 4965.124+/-0.665 χ^2/NDF: 1722409.0/35

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4918.462+/-0.773 χ^2/NDF:1807186.3/32

Out: 4836.500+/-0.742 χ^2/NDF:1746645.9/37

All: 4875.779+/-0.535 χ^2/NDF: 3559684.2/70



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1368.829+/-409.738 χ^2/NDF:15.4/18

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 2930.390+/-421.934 χ^2/NDF:12.6/16

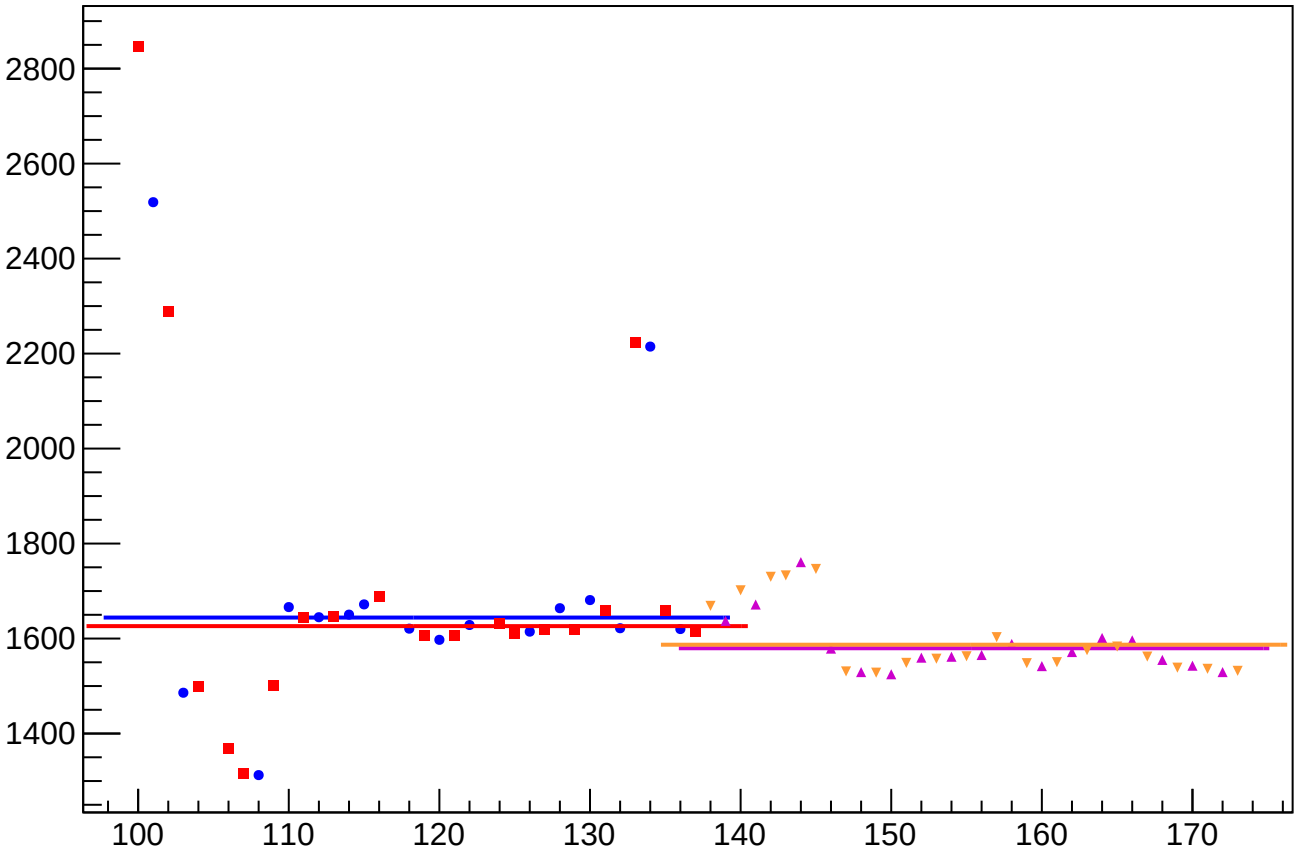
Left: 2126.716+/-293.946 χ^2/NDF: 35.1/35

Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3115.030+/-348.234 χ^2/NDF:23.6/32

Out: 1674.628+/-339.695 χ^2/NDF:34.3/37

All: 2376.953+/-243.164 χ^2/NDF: 66.7/70



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1587.038+/-0.290 χ^2/NDF:57315.4/18

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1579.564+/-0.298 χ^2/NDF:35864.9/16

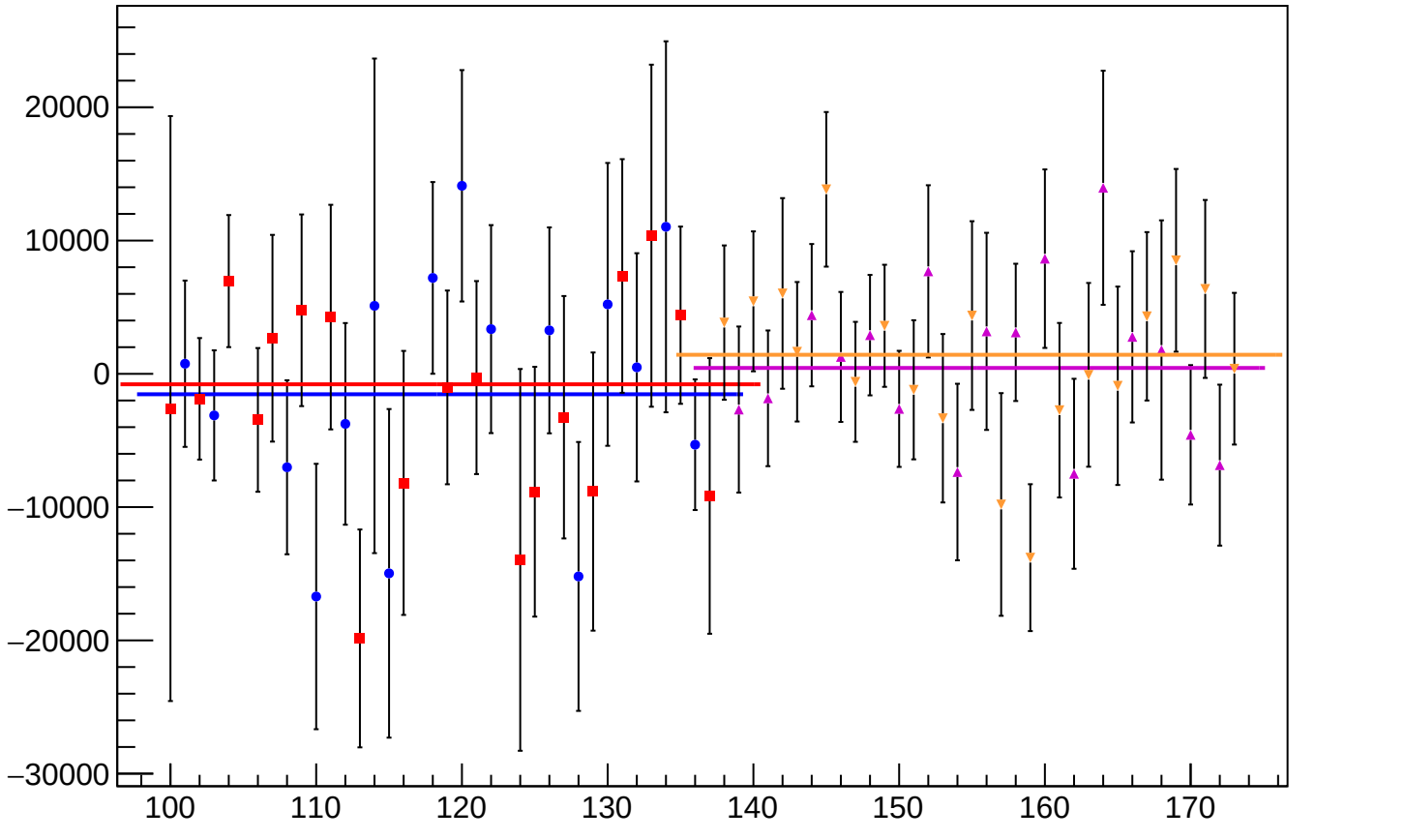
Left: 1583.411+/-0.208 χ^2/NDF: 93503.2/35

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1600.172+/-0.246 χ^2/NDF:325646.0/32

Out: 1599.289+/-0.240 χ^2/NDF:300666.5/37

All: 1599.719+/-0.172 χ^2/NDF: 626319.0/70



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 1430.282+/-1360.954 χ^2/NDF:19.0/18

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 441.490+/-1414.843 χ^2/NDF:12.5/16

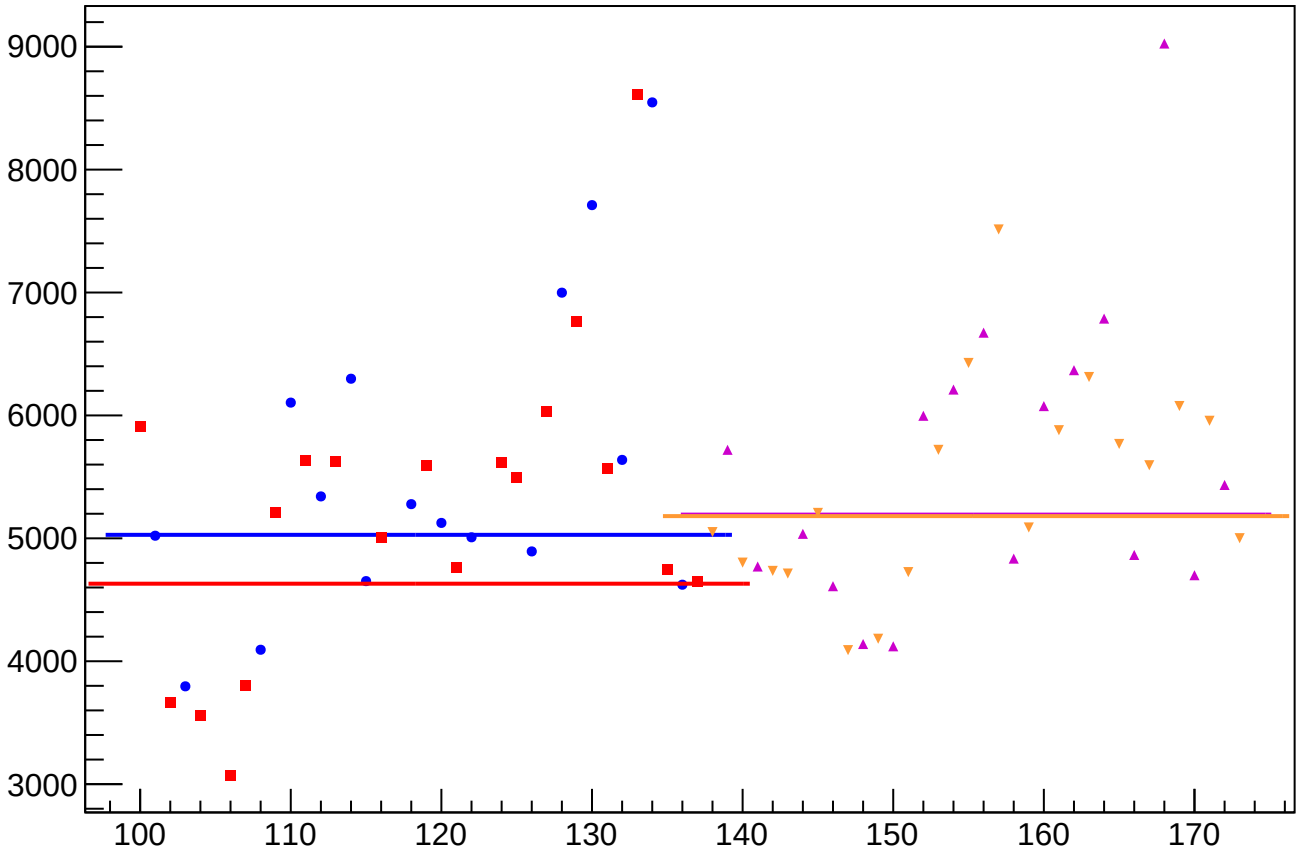
Left: 955.075+/-980.838 χ^2/NDF: 31.8/35

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -255.973+/-1137.699 χ^2/NDF:27.1/32

Out: 594.847+/-1073.987 χ^2/NDF:35.1/37

All: 193.926+/-780.976 χ^2/NDF: 62.4/70



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5180.768+/-0.962 χ^2/NDF:656500.3/18

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 5192.949+/-1.000 χ^2/NDF:947443.0/16

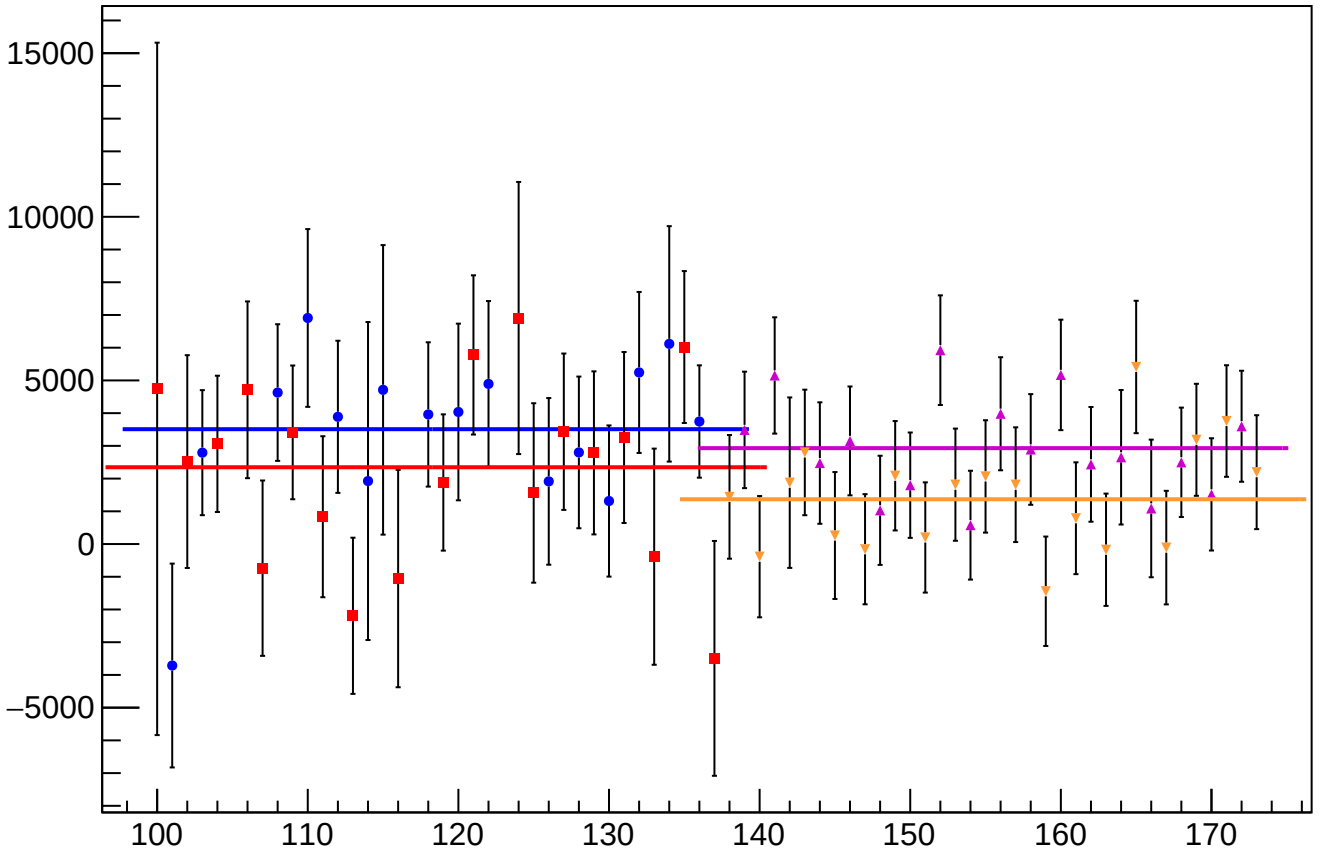
Left: 5186.622+/-0.694 χ^2/NDF: 1604020.2/35

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5134.816+/-0.804 χ^2/NDF:1522466.9/32

Out: 4973.328+/-0.759 χ^2/NDF:1643181.7/37

All: 5049.424+/-0.552 χ^2/NDF: 3186955.9/70



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1368.822+/-409.739 χ^2/NDF:15.4/18

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 2930.393+/-421.934 χ^2/NDF:12.6/16

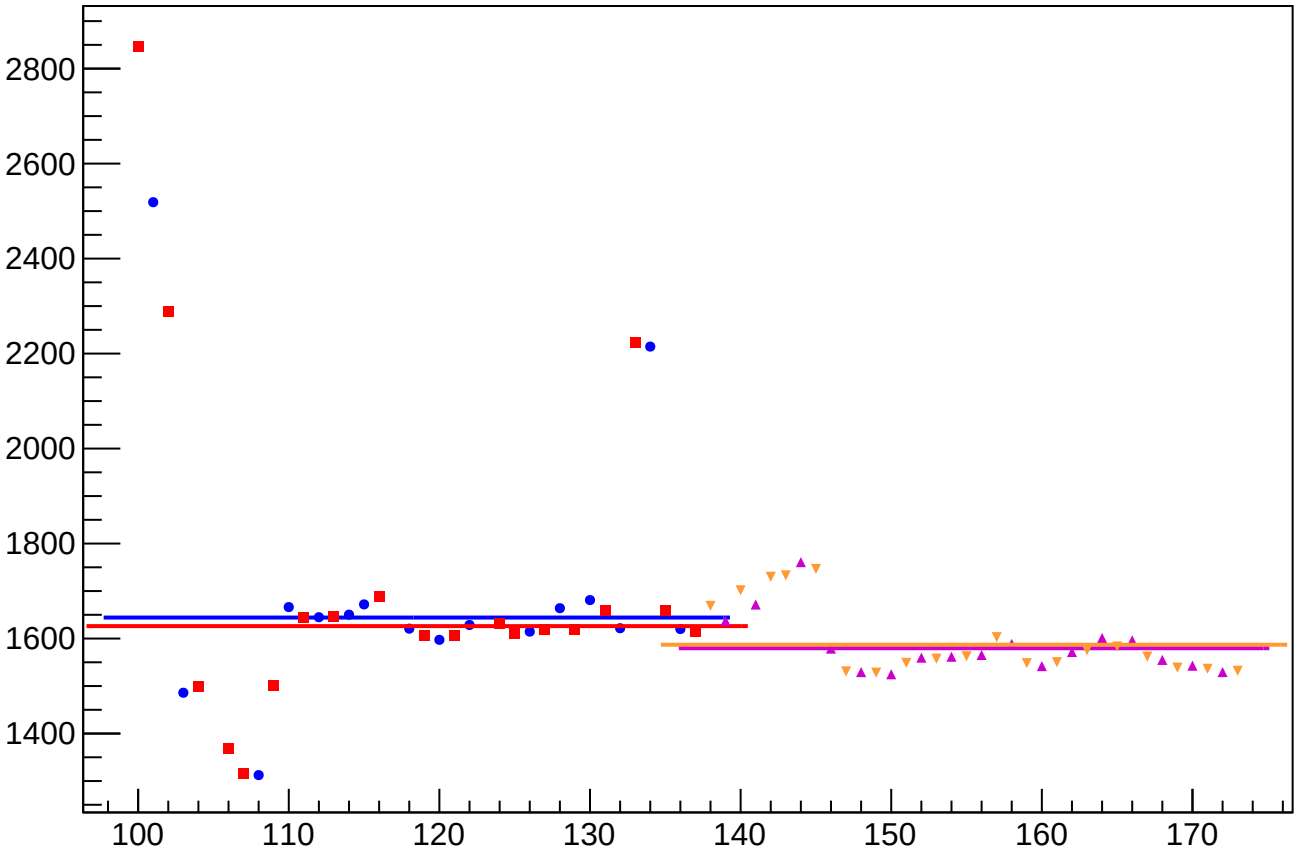
Left: 2126.714+/-293.946 χ^2/NDF: 35.1/35

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3115.034+/-348.234 χ^2/NDF:23.6/32

Out: 1674.625+/-339.696 χ^2/NDF:34.3/37

All: 2376.953+/-243.164 χ^2/NDF: 66.7/70



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1587.039+/-0.290 χ^2/NDF:57315.6/18

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1579.566+/-0.298 χ^2/NDF:35864.9/16

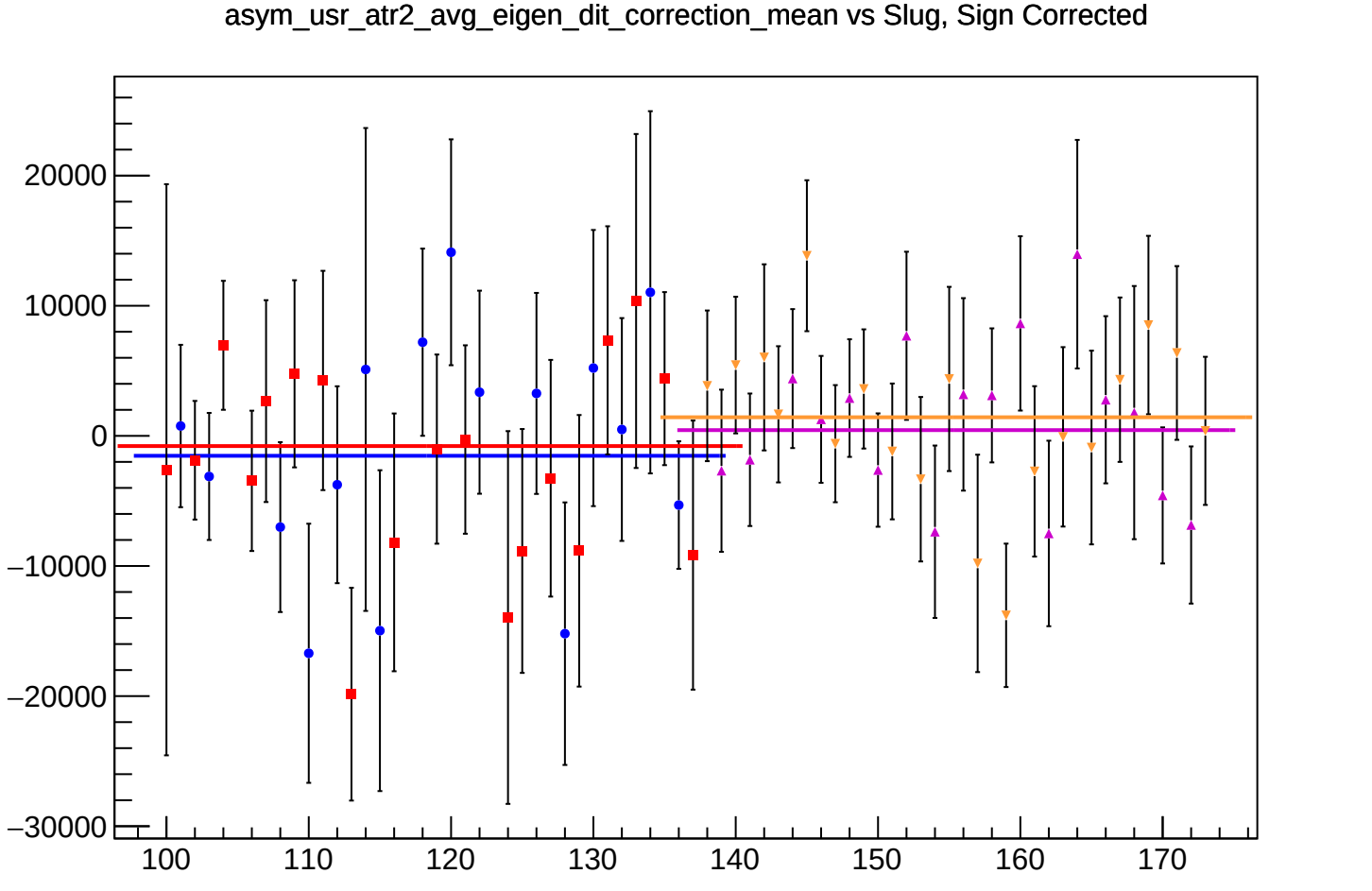
Left: 1583.412+/-0.208 χ^2/NDF: 93503.4/35

Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

In: 1600.172+/-0.246 χ^2/NDF:325645.3/32

Out: 1599.290+/-0.240 χ^2/NDF:300665.9/37

All: 1599.720+/-0.172 χ^2/NDF: 626317.8/70


asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
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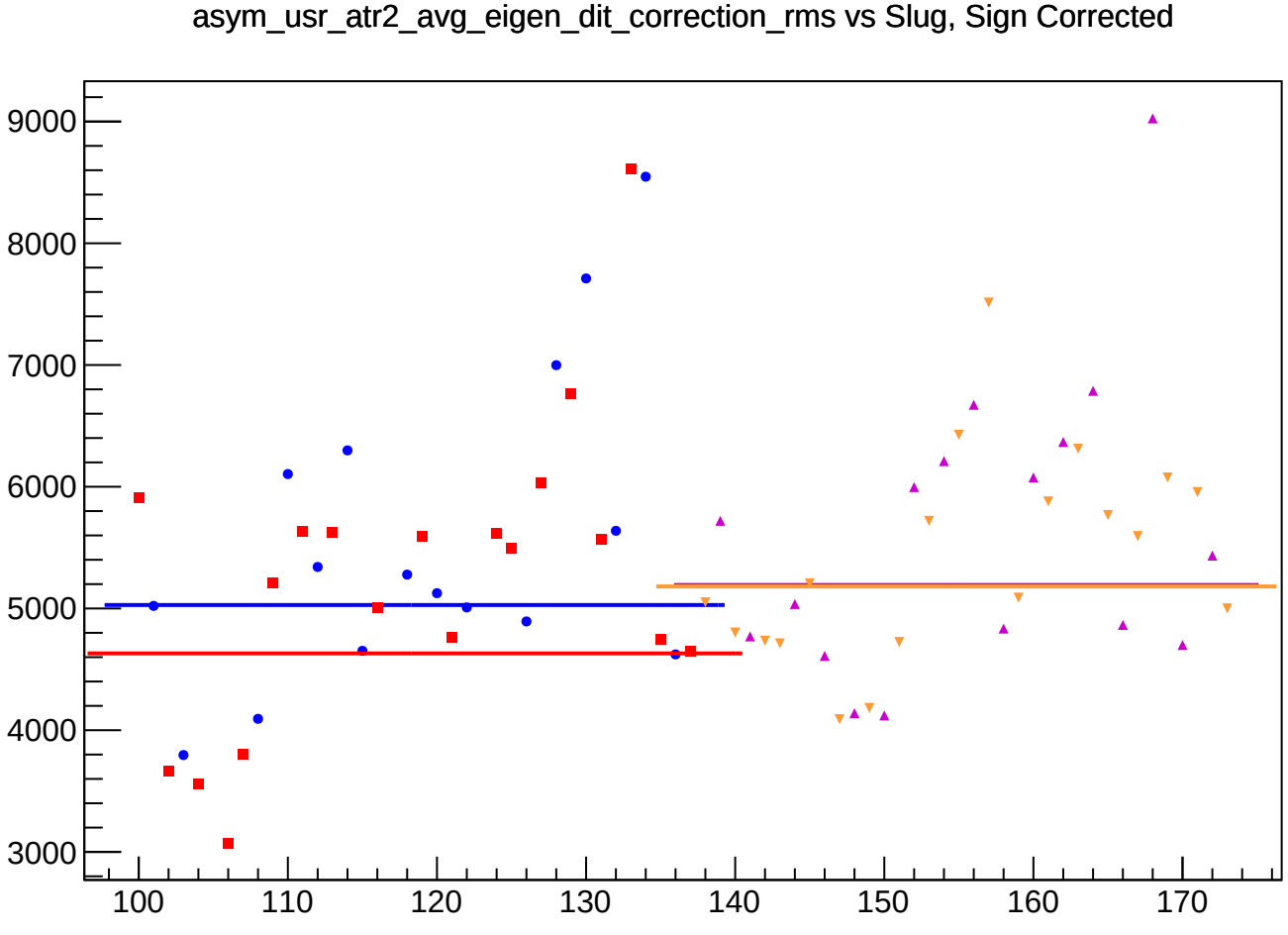
120
130
140
150
160
170
Right In: -1532.095+/-1913.796 χ²/NDF: 13.9/15
Left Out: 1430.280+/-1360.956 χ²/NDF:19.0/18
Right Out: -784.236+/-1748.563 χ²/NDF: 15.0/18
Left In: 441.488+/-1414.845 χ²/NDF:12.5/16
Left: 955.073+/-980.839 χ²/NDF: 31.8/35
Right: -1124.493+/-1290.891 χ²/NDF: 29.0/34
In: -255.972+/-1137.700 χ²/NDF:27.1/32
Out: 594.841+/-1073.987 χ²/NDF:35.1/37
All: 193.924+/-780.977 χ²/NDF: 62.4/70



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5180.777+/-0.962 χ^2/NDF:656500.8/18

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 5192.958+/-1.000 χ^2/NDF:947444.6/16

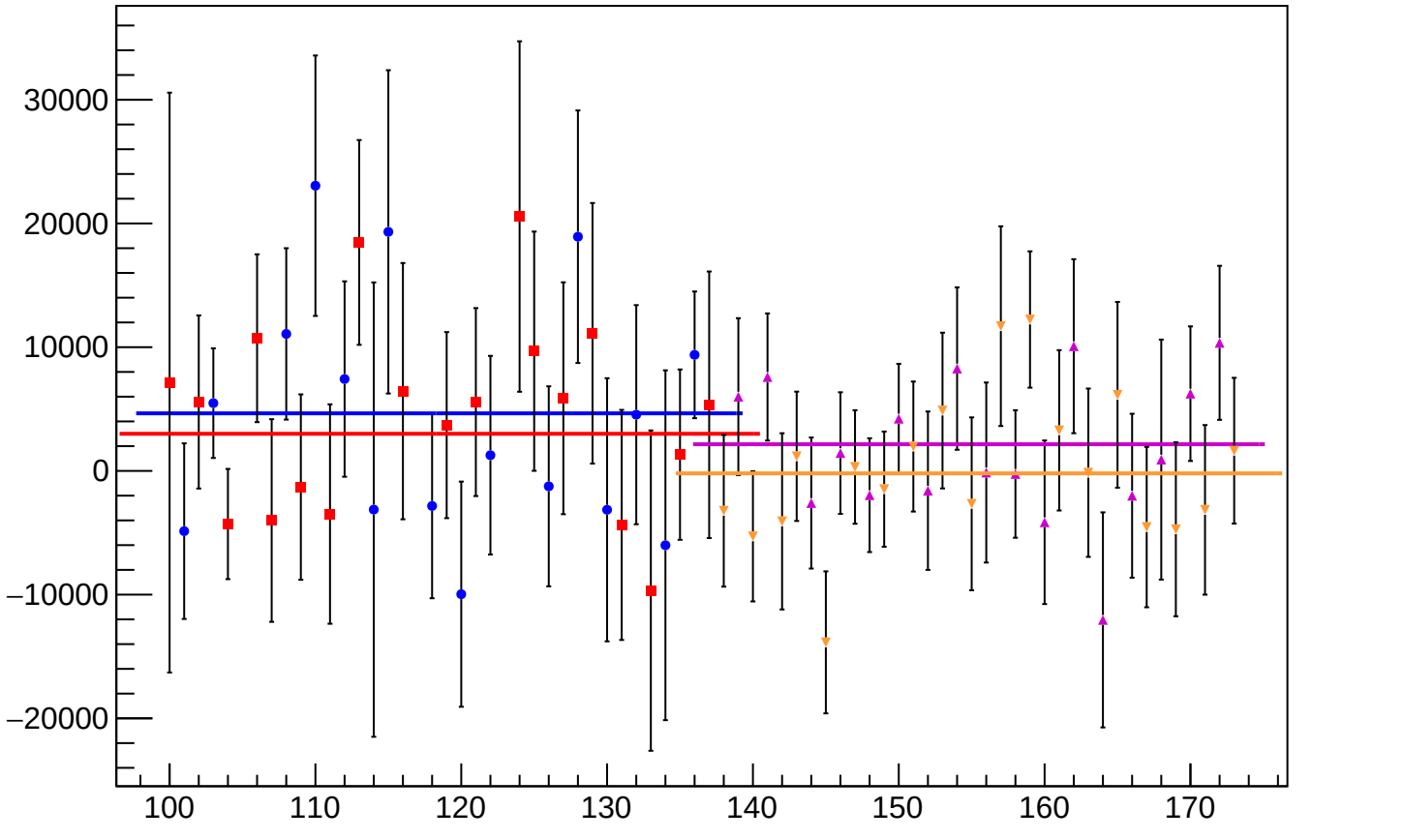
Left: 5186.631+/-0.694 χ^2/NDF: 1604022.3/35

Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5134.819+/-0.804 χ^2/NDF:1522463.9/32

Out: 4973.331+/-0.759 χ^2/NDF:1643183.2/37

All: 5049.427+/-0.552 χ^2/NDF: 3186954.6/70



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -197.407+/-1372.846 χ^2/NDF:17.7/18

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 2154.521+/-1426.420 χ^2/NDF:12.4/16

Left: 933.561+/-989.147 χ^2/NDF: 31.5/35

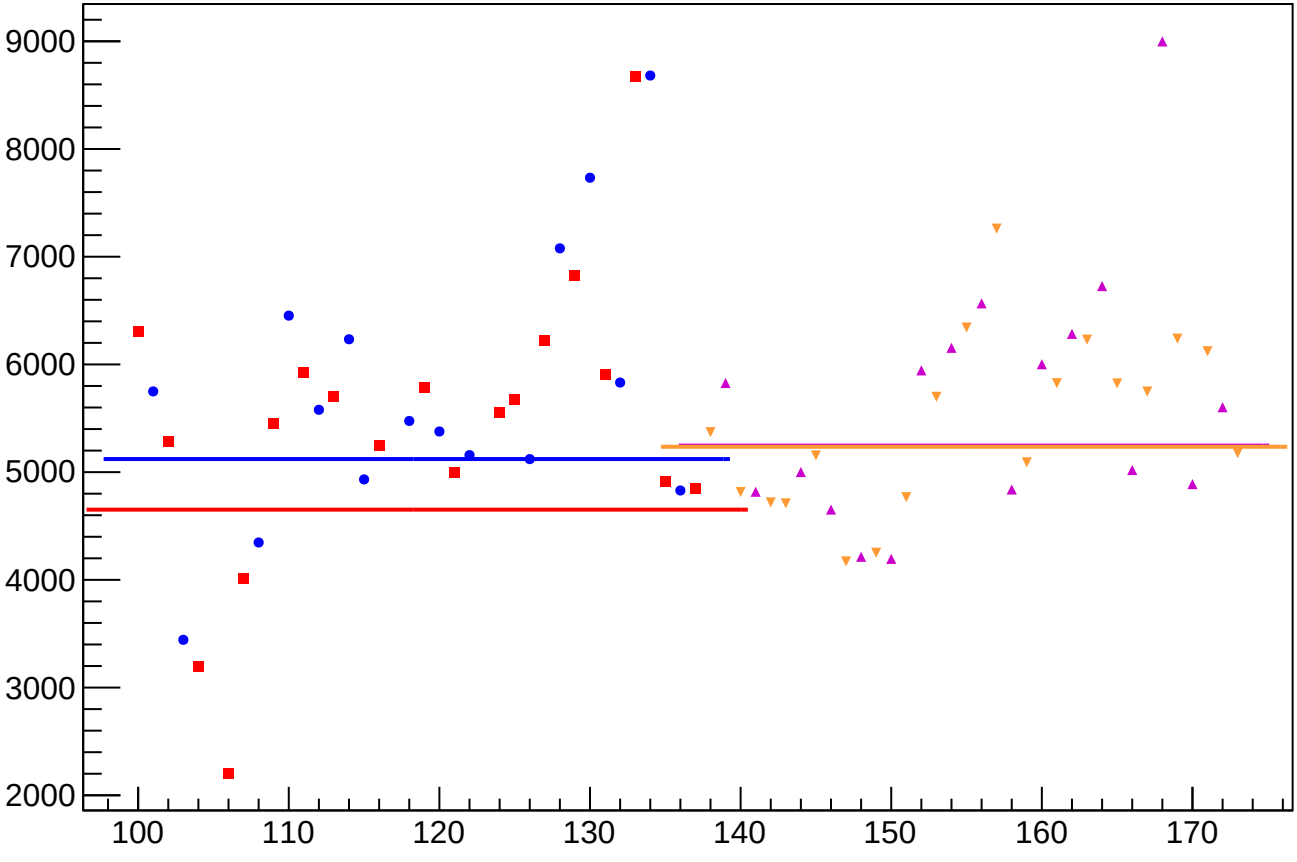
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 3020.542+/-1153.020 χ^2/NDF:29.0/32

Out: 912.783+/-1109.283 χ^2/NDF:33.4/37

All: 1925.928+/-799.397 χ^2/NDF: 64.1/70

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5235.629+/-0.971 χ^2/NDF:604731.2/18

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 5246.483+/-1.009 χ^2/NDF:862436.1/16

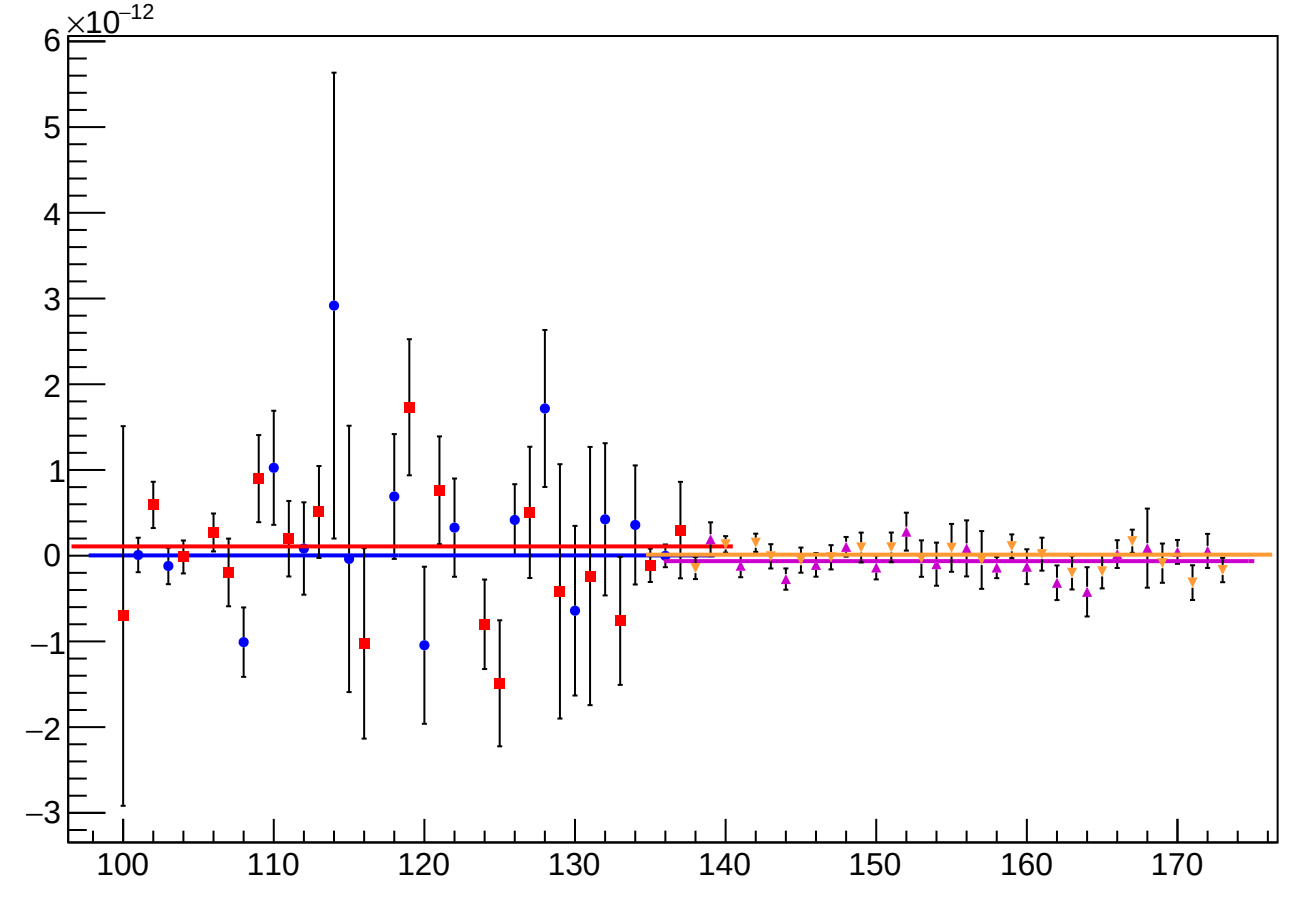
Left: 5240.848+/-0.699 χ^2/NDF: 1467227.4/35

Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5203.214+/-0.815 χ^2/NDF:1588115.8/32

Out: 5022.493+/-0.774 χ^2/NDF:2081662.0/37

All: 5108.107+/-0.561 χ^2/NDF: 3695634.6/70



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:14.7/16

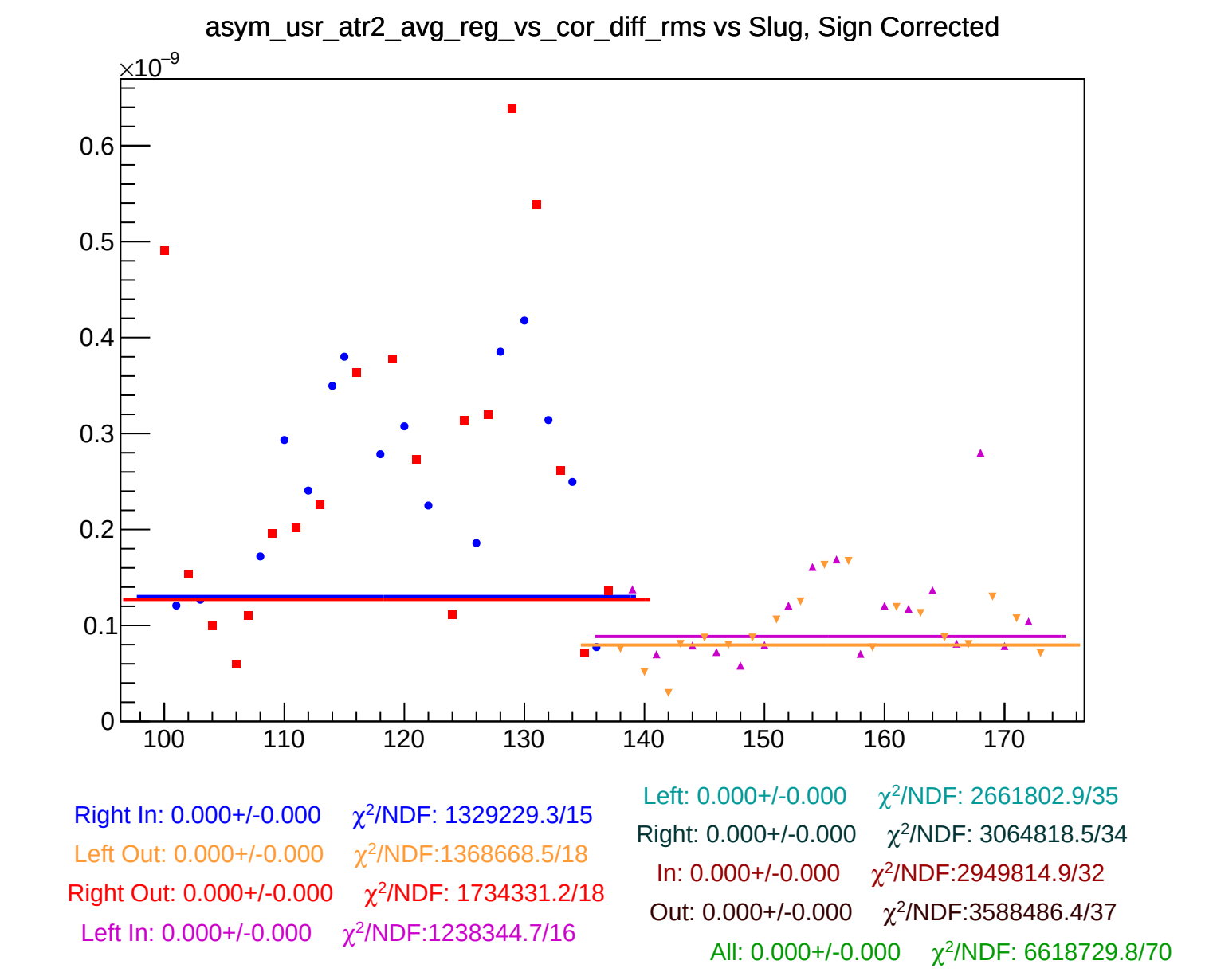
Left: -0.000+/-0.000 χ^2/NDF: 30.7/35

Right: 0.000+/-0.000 χ^2/NDF: 43.9/34

In: -0.000+/-0.000 χ^2/NDF:33.2/32

Out: 0.000+/-0.000 χ^2/NDF:40.1/37

All: -0.000+/-0.000 χ^2/NDF: 75.8/70


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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0.3
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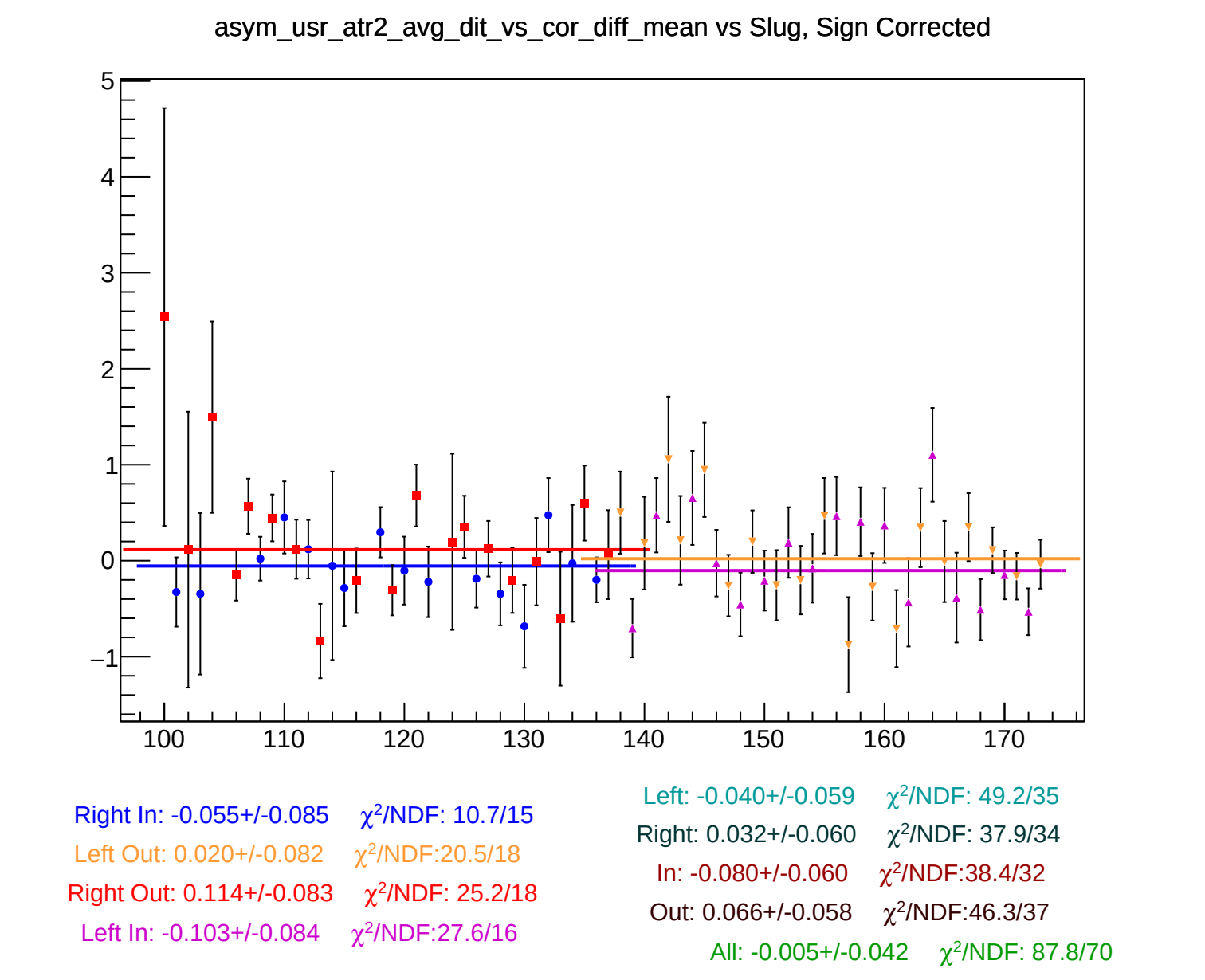
170
Right In: 0.000+/-0.000 χ²/NDF: 1329229.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1368668.5/18
Right Out: 0.000+/-0.000 χ²/NDF: 1734331.2/18
Left In: 0.000+/-0.000 χ²/NDF:1238344.7/16
Left: 0.000+/-0.000 χ²/NDF: 2661802.9/35
Right: 0.000+/-0.000 χ²/NDF: 3064818.5/34
In: 0.000+/-0.000 χ²/NDF:2949814.9/32
Out: 0.000+/-0.000 χ²/NDF:3588486.4/37
All: 0.000+/-0.000 χ²/NDF: 6618729.8/70


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
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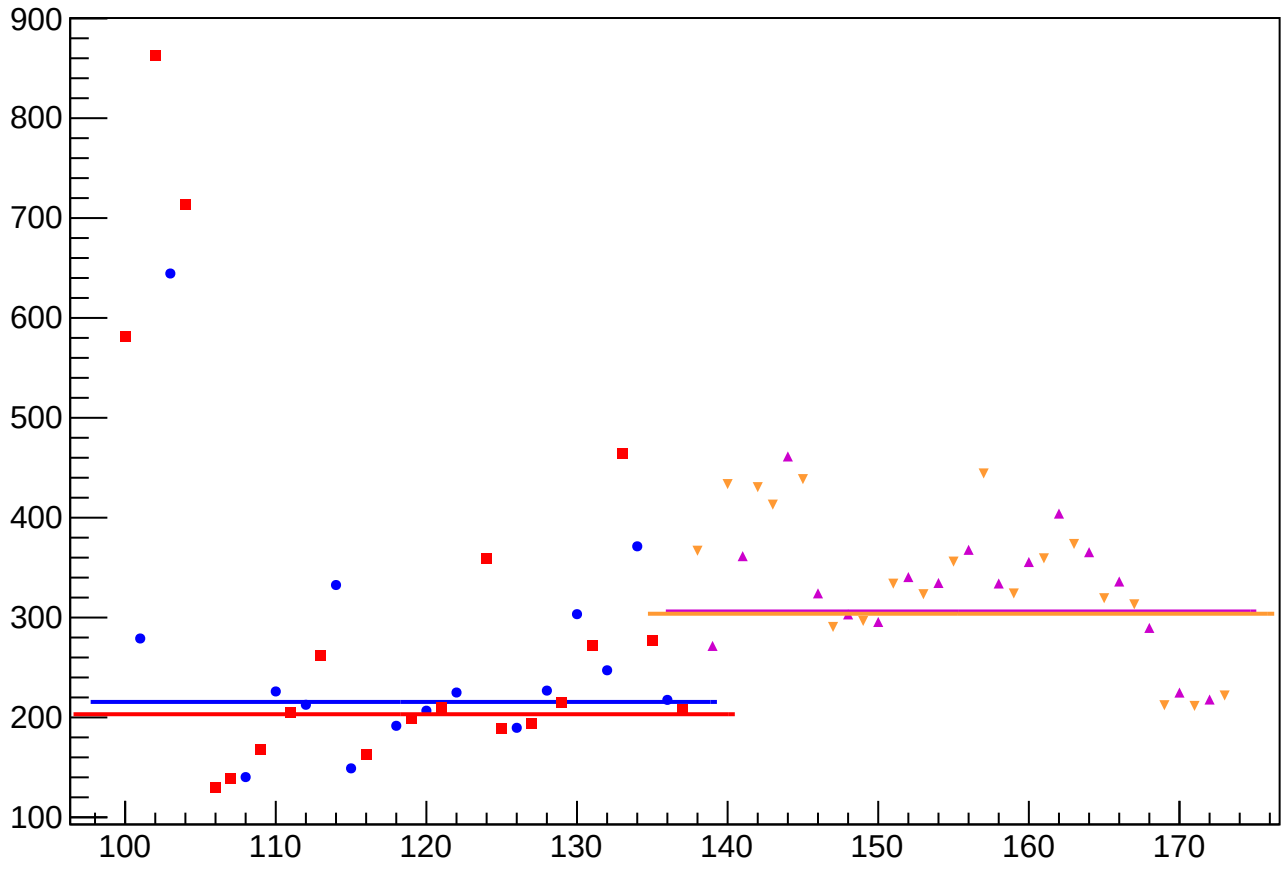
160
170
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.020+/-0.082 χ²/NDF:20.5/18
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.103+/-0.084 χ²/NDF:27.6/16
Left: -0.040+/-0.059 χ²/NDF: 49.2/35
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.080+/-0.060 χ²/NDF:38.4/32
Out: 0.066+/-0.058 χ²/NDF:46.3/37
All: -0.005+/-0.042 χ²/NDF: 87.8/70



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 303.824+/-0.058 χ^2/NDF:1644657.5/18

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 306.086+/-0.060 χ^2/NDF:996278.4/16

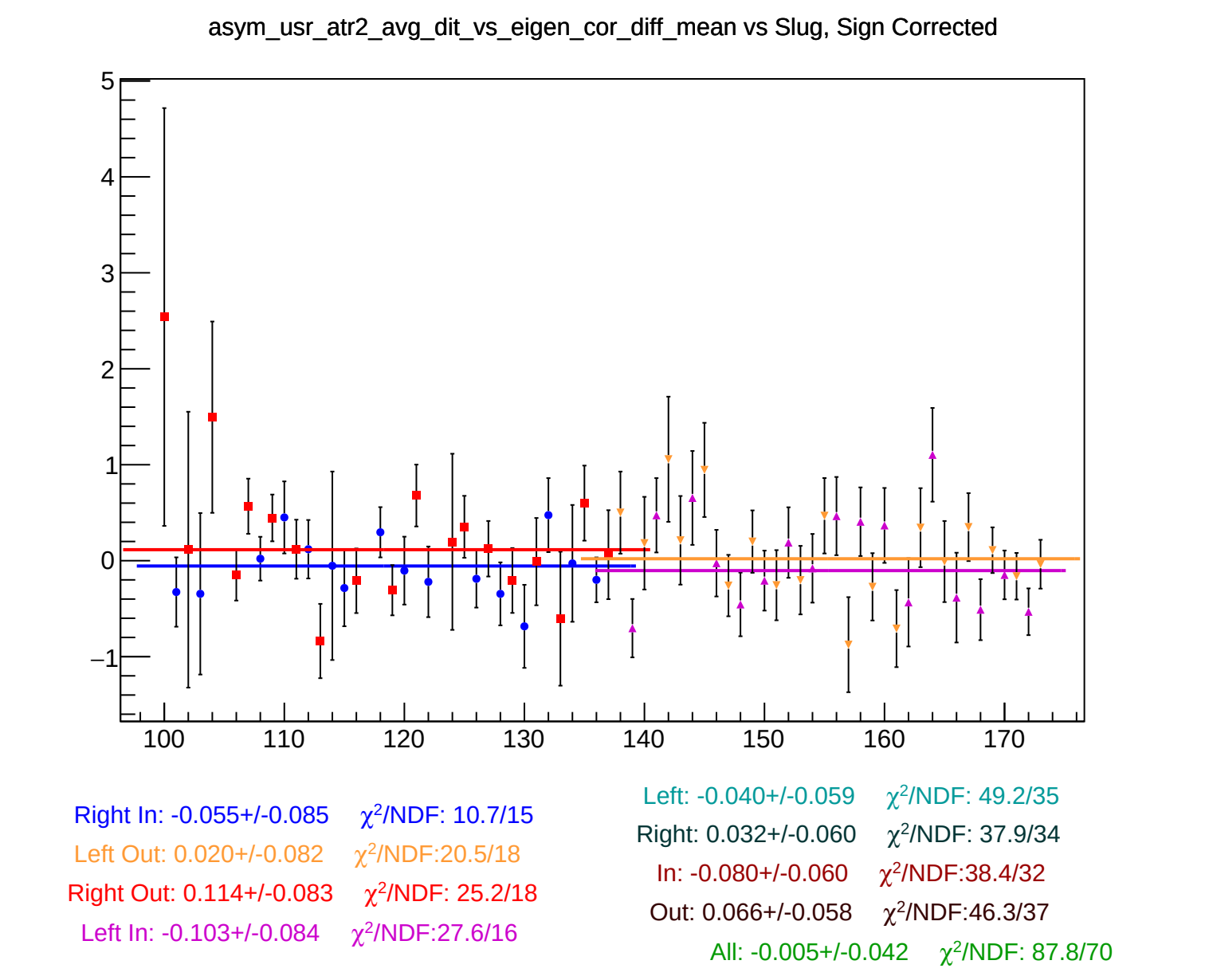
Left: 304.919+/-0.041 χ^2/NDF: 2641677.9/35

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 261.407+/-0.042 χ^2/NDF:3282818.7/32

Out: 254.452+/-0.041 χ^2/NDF:4969366.2/37

All: 257.827+/-0.030 χ^2/NDF: 8266000.3/70


asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
5
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120
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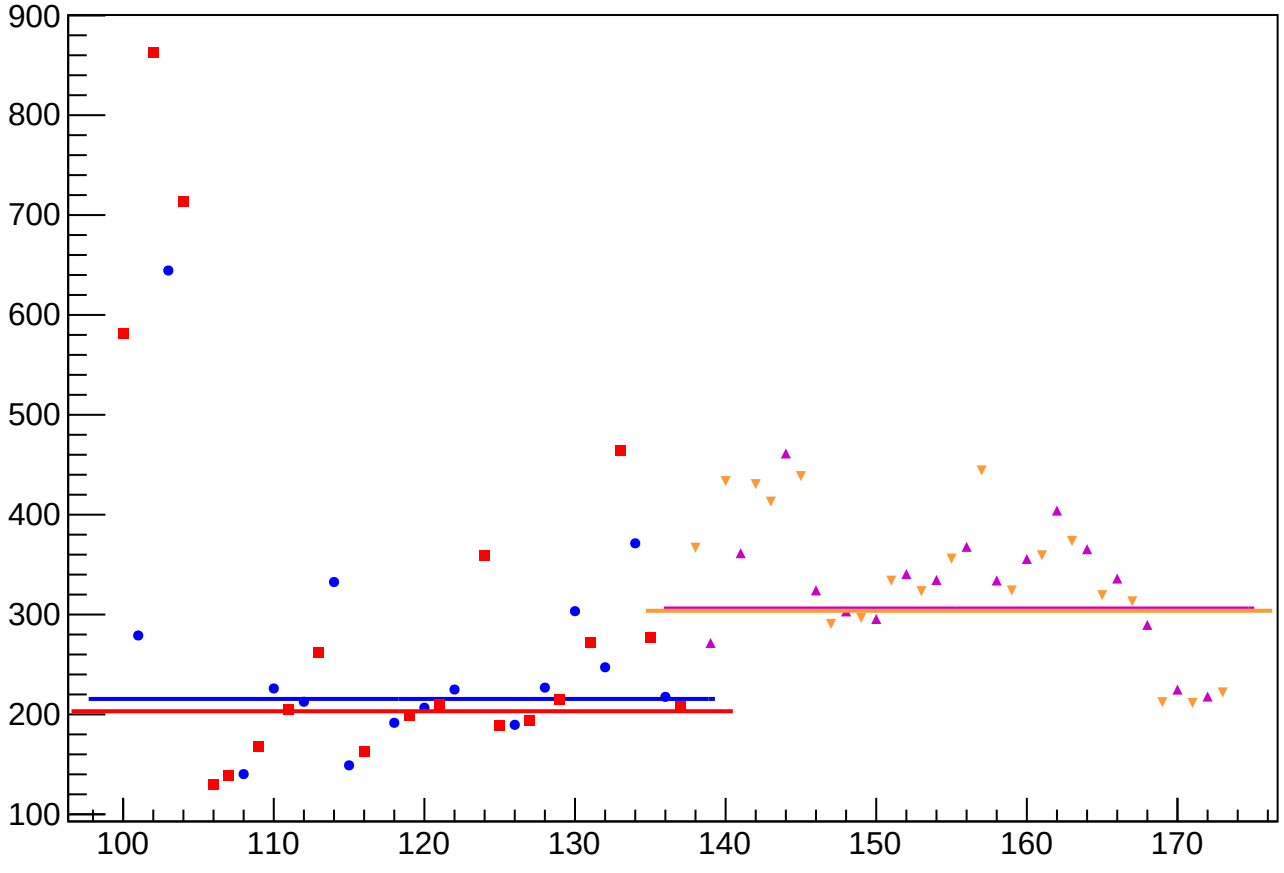
140
150
160
170
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.020+/-0.082 χ²/NDF:20.5/18
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.103+/-0.084 χ²/NDF:27.6/16
Left: -0.040+/-0.059 χ²/NDF: 49.2/35
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.080+/-0.060 χ²/NDF:38.4/32
Out: 0.066+/-0.058 χ²/NDF:46.3/37
All: -0.005+/-0.042 χ²/NDF: 87.8/70

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 303.824+/-0.058 χ^2/NDF:1644657.5/18

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 306.086+/-0.060 χ^2/NDF:996278.4/16

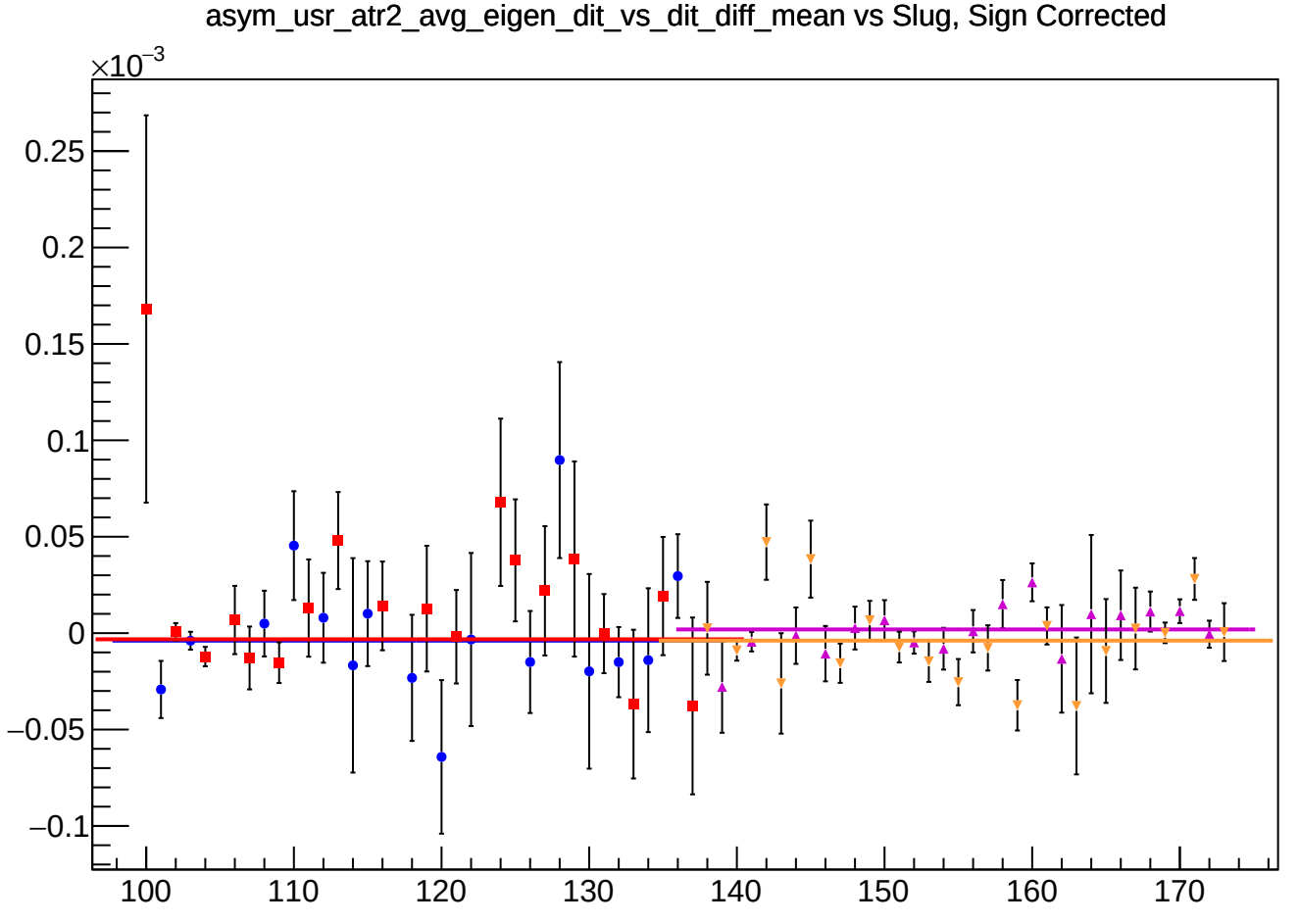
Left: 304.919+/-0.041 χ^2/NDF: 2641677.9/35

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 261.407+/-0.042 χ^2/NDF:3282818.7/32

Out: 254.452+/-0.041 χ^2/NDF:4969366.2/37

All: 257.827+/-0.030 χ^2/NDF: 8266000.3/70


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
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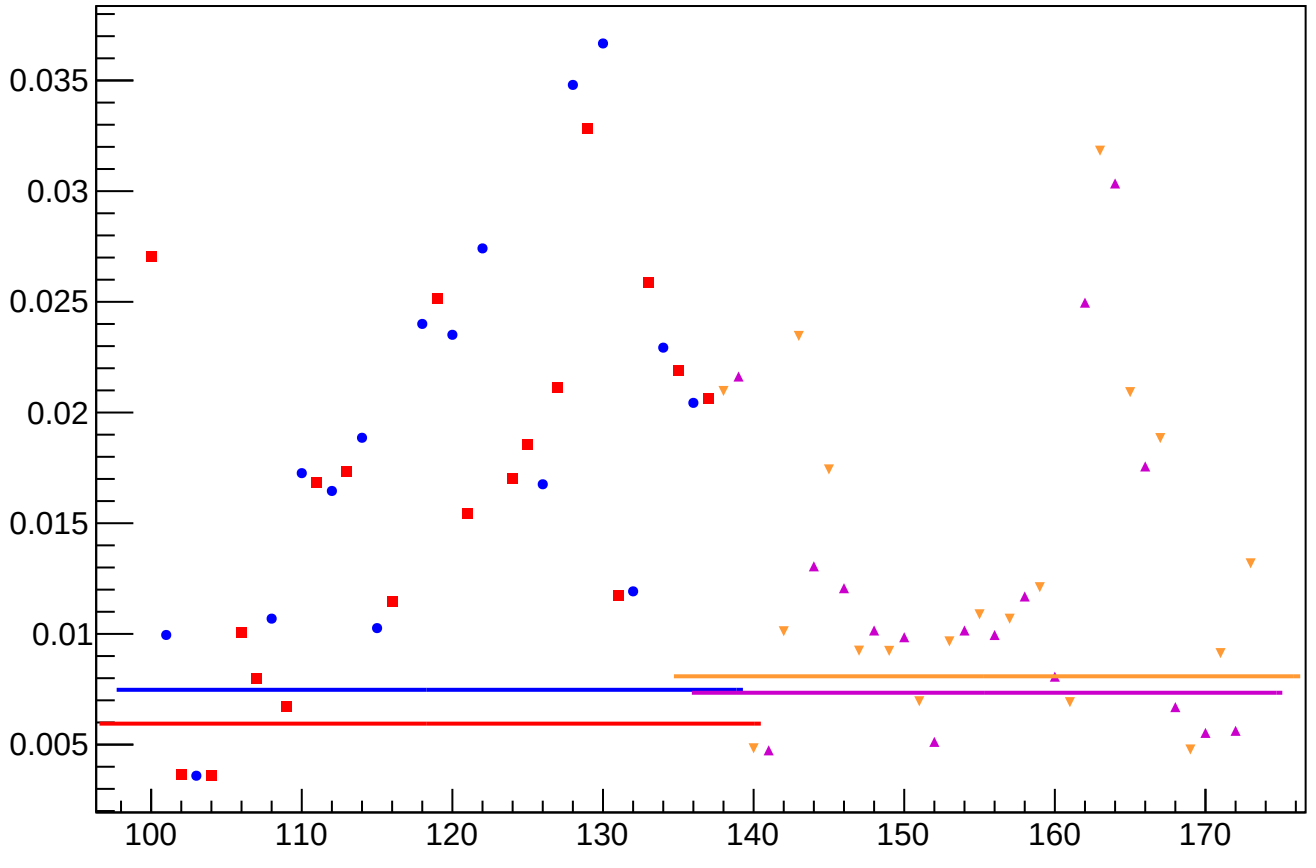
160
170
Right In: -0.000+/-0.000 χ²/NDF: 16.0/15
Left Out: -0.000+/-0.000 χ²/NDF:37.6/18
Right Out: -0.000+/-0.000 χ²/NDF: 21.6/18
Left In: 0.000+/-0.000 χ²/NDF:17.4/16
Left: -0.000+/-0.000 χ²/NDF: 58.1/35
Right: -0.000+/-0.000 χ²/NDF: 37.6/34
In: 0.000+/-0.000 χ²/NDF:35.1/32
Out: -0.000+/-0.000 χ²/NDF:59.3/37
All: -0.000+/-0.000 χ²/NDF: 96.5/70



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:5937941.9/18

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.007+/-0.000 χ^2/NDF:4926999.0/16

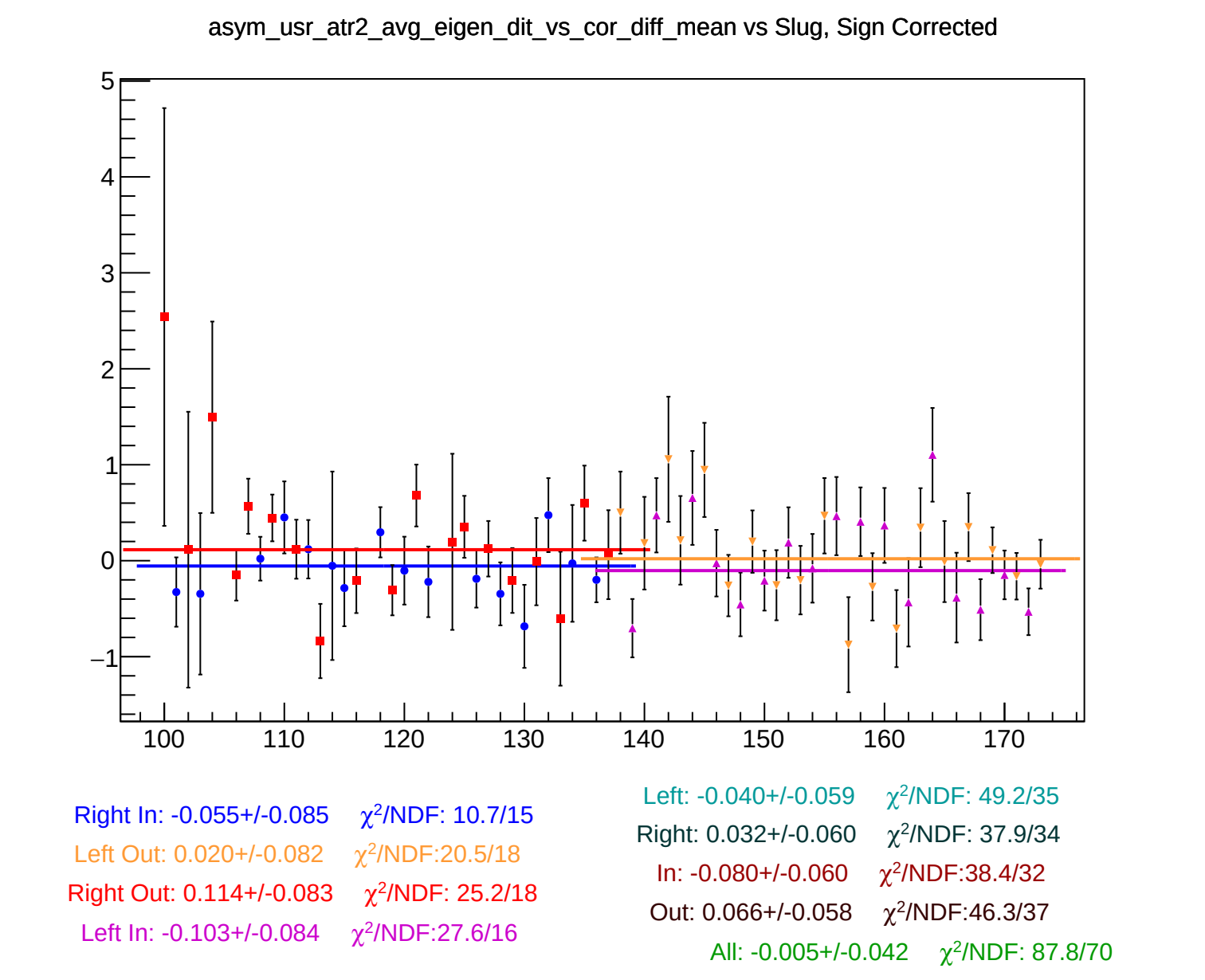
Left: 0.008+/-0.000 χ^2/NDF: 10964845.9/35

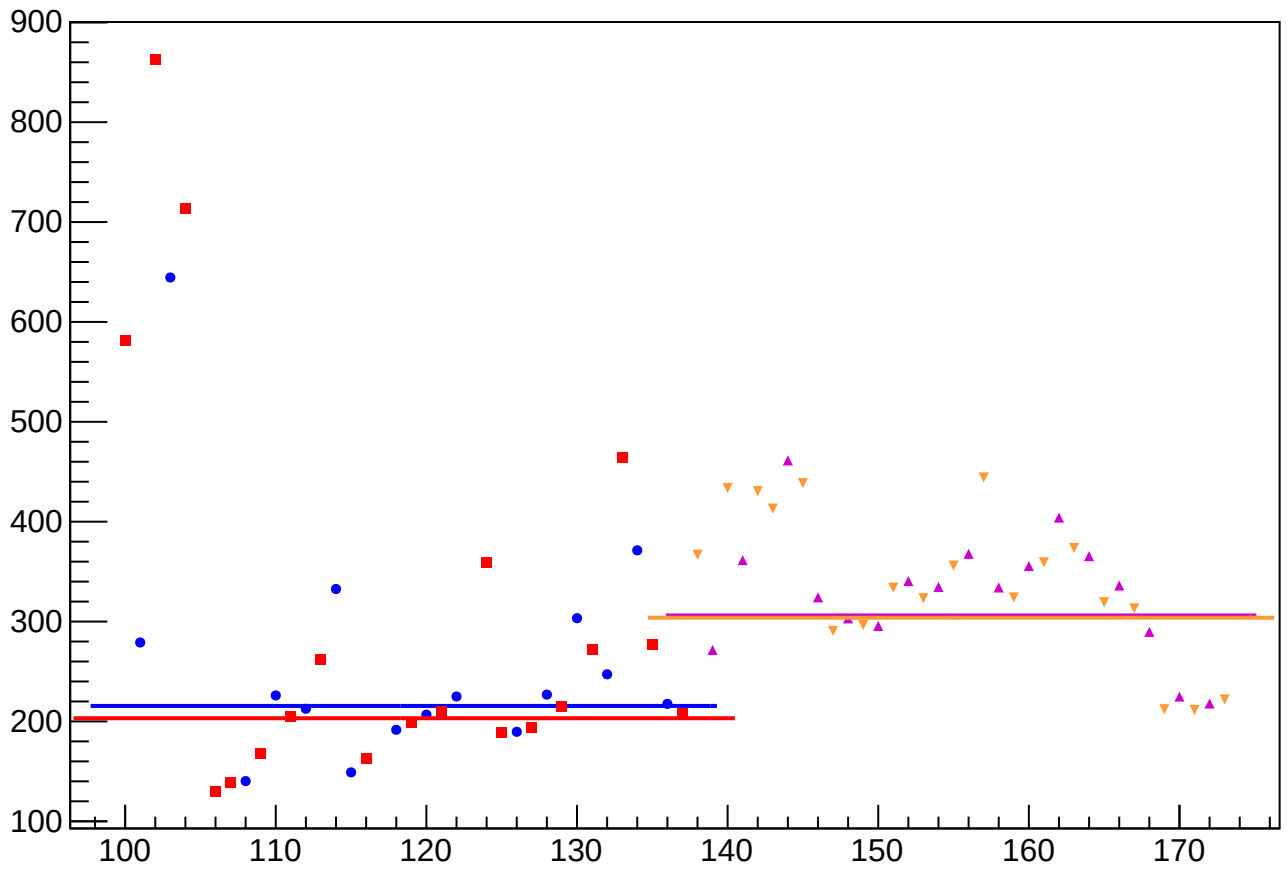
Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.007+/-0.000 χ^2/NDF:11005009.2/32

Out: 0.007+/-0.000 χ^2/NDF:12515442.2/37

All: 0.007+/-0.000 χ^2/NDF: 23528255.5/70


asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.020+/-0.082 χ²/NDF:20.5/18
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.103+/-0.084 χ²/NDF:27.6/16
Left: -0.040+/-0.059 χ²/NDF: 49.2/35
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.080+/-0.060 χ²/NDF:38.4/32
Out: 0.066+/-0.058 χ²/NDF:46.3/37
All: -0.005+/-0.042 χ²/NDF: 87.8/70



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 303.827+/-0.058 χ^2/NDF:1644754.1/18

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 306.090+/-0.060 χ^2/NDF:996318.2/16

Left: 304.922+/-0.041 χ^2/NDF: 2641815.1/35

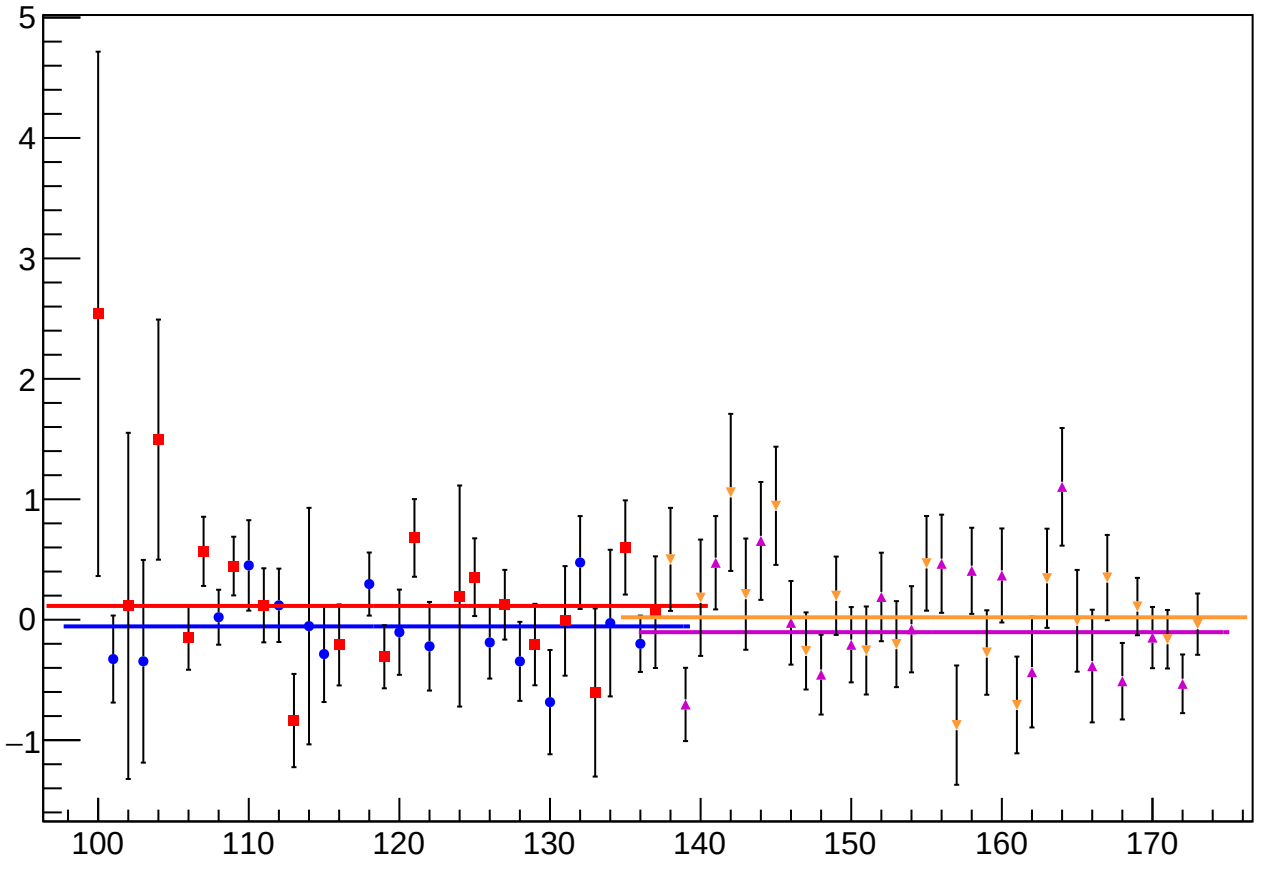
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 261.407+/-0.042 χ^2/NDF:3282959.0/32

Out: 254.452+/-0.041 χ^2/NDF:4969570.0/37

All: 257.827+/-0.030 χ^2/NDF: 8266347.4/70

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: 0.020+/-0.082 χ^2/NDF:20.5/18

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.103+/-0.084 χ^2/NDF:27.6/16

Left: -0.040+/-0.059 χ^2/NDF: 49.2/35

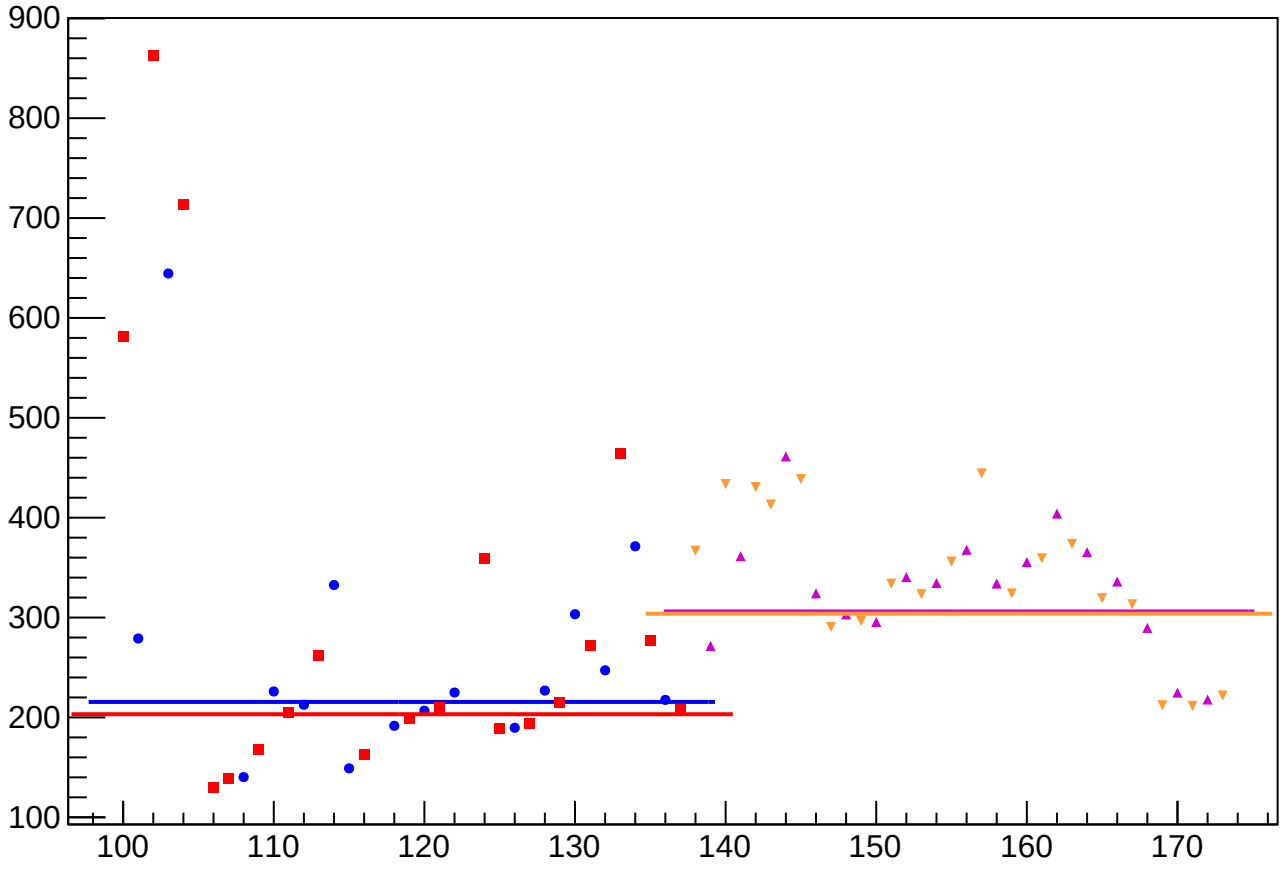
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.080+/-0.060 χ^2/NDF:38.4/32

Out: 0.066+/-0.058 χ^2/NDF:46.3/37

All: -0.005+/-0.042 χ^2/NDF: 87.8/70

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: 303.827+/-0.058 χ^2/NDF:1644754.1/18

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 306.090+/-0.060 χ^2/NDF:996318.2/16

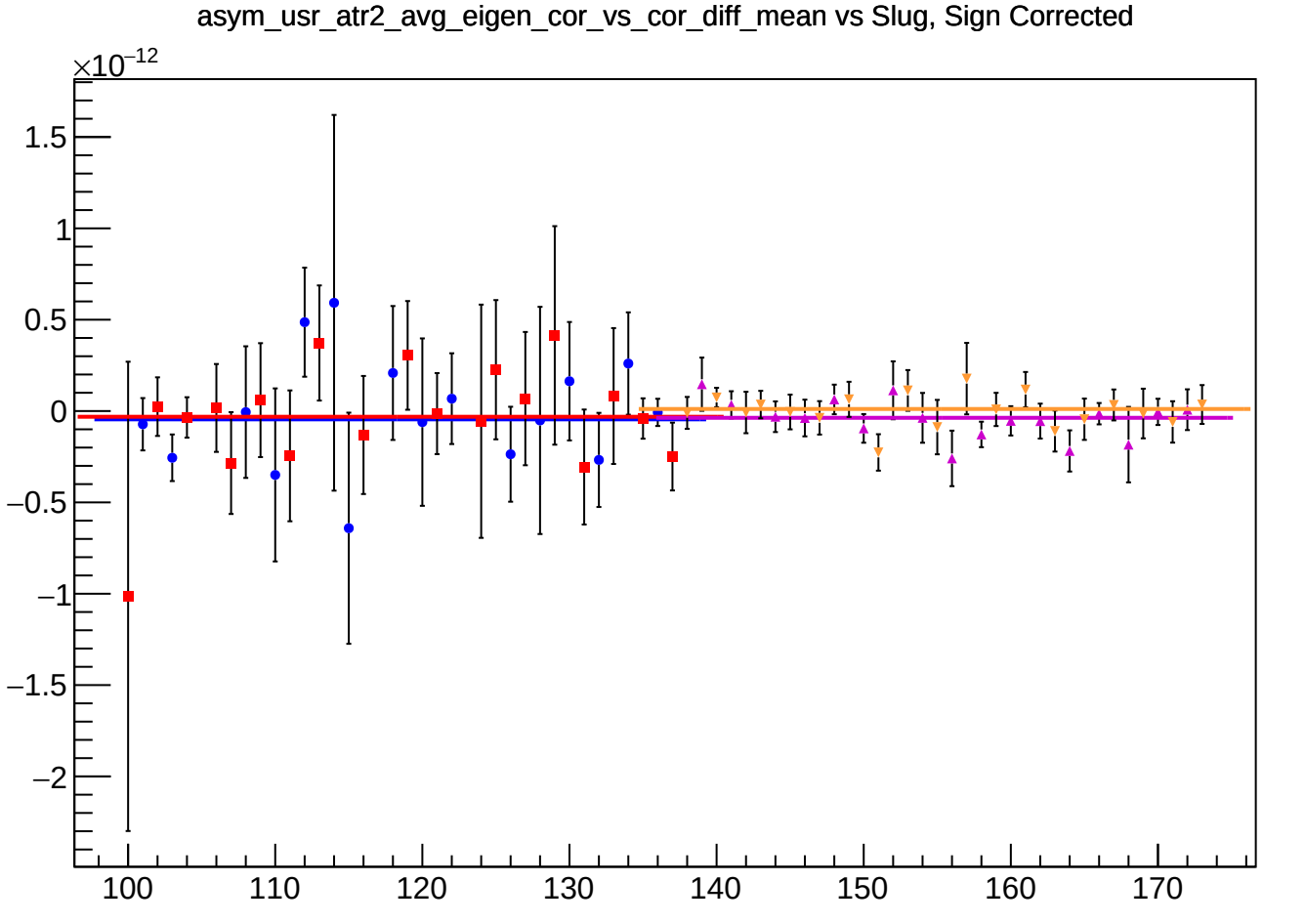
Left: 304.922+/-0.041 χ^2/NDF: 2641815.1/35

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 261.407+/-0.042 χ^2/NDF:3282959.0/32

Out: 254.452+/-0.041 χ^2/NDF:4969570.0/37

All: 257.827+/-0.030 χ^2/NDF: 8266347.4/70



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.1/18

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:13.0/16

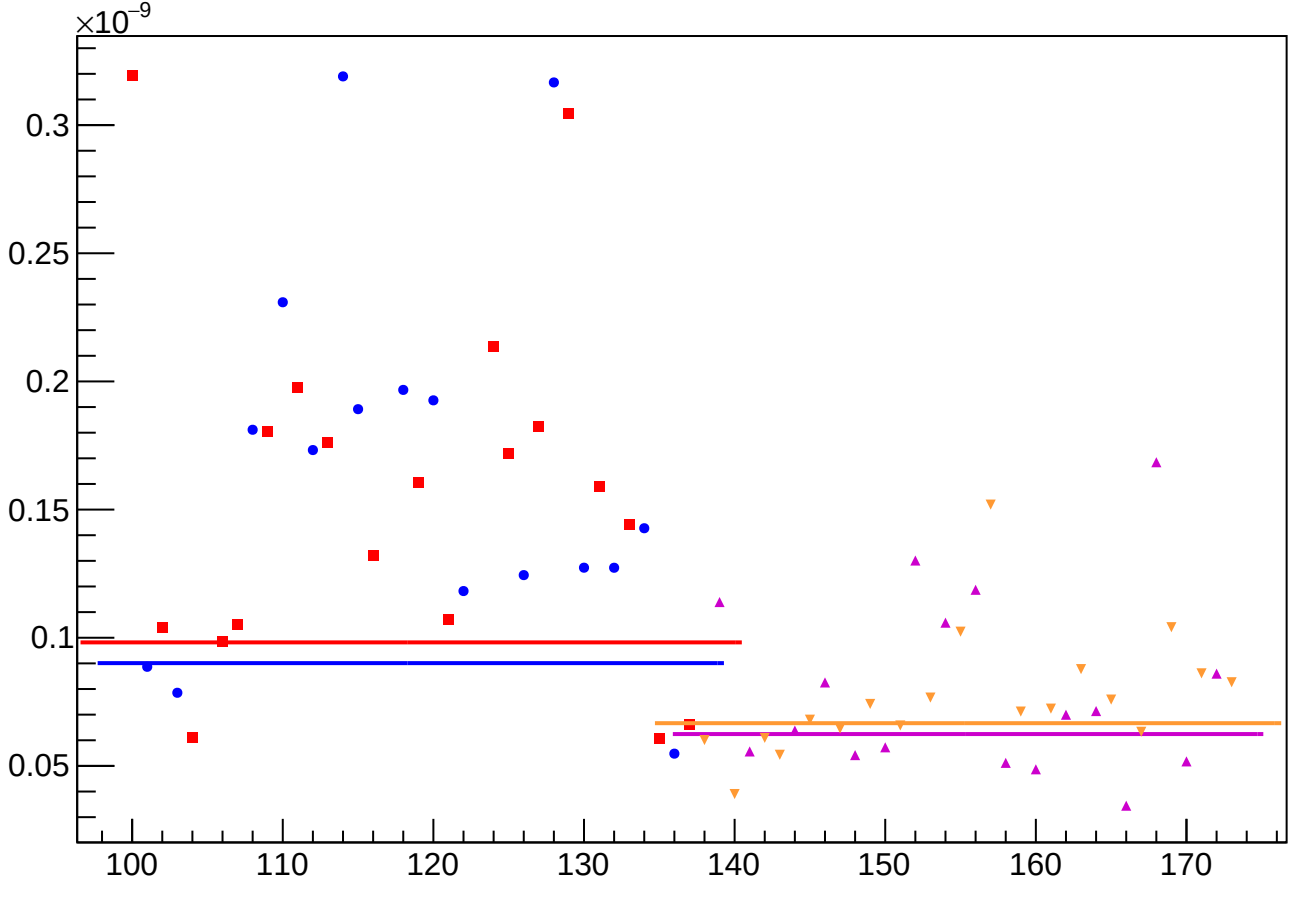
Left: -0.000+/-0.000 χ^2/NDF: 28.5/35

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:24.5/32

Out: 0.000+/-0.000 χ^2/NDF:22.0/37

All: -0.000+/-0.000 χ^2/NDF: 48.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1492755.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2472946.9/16

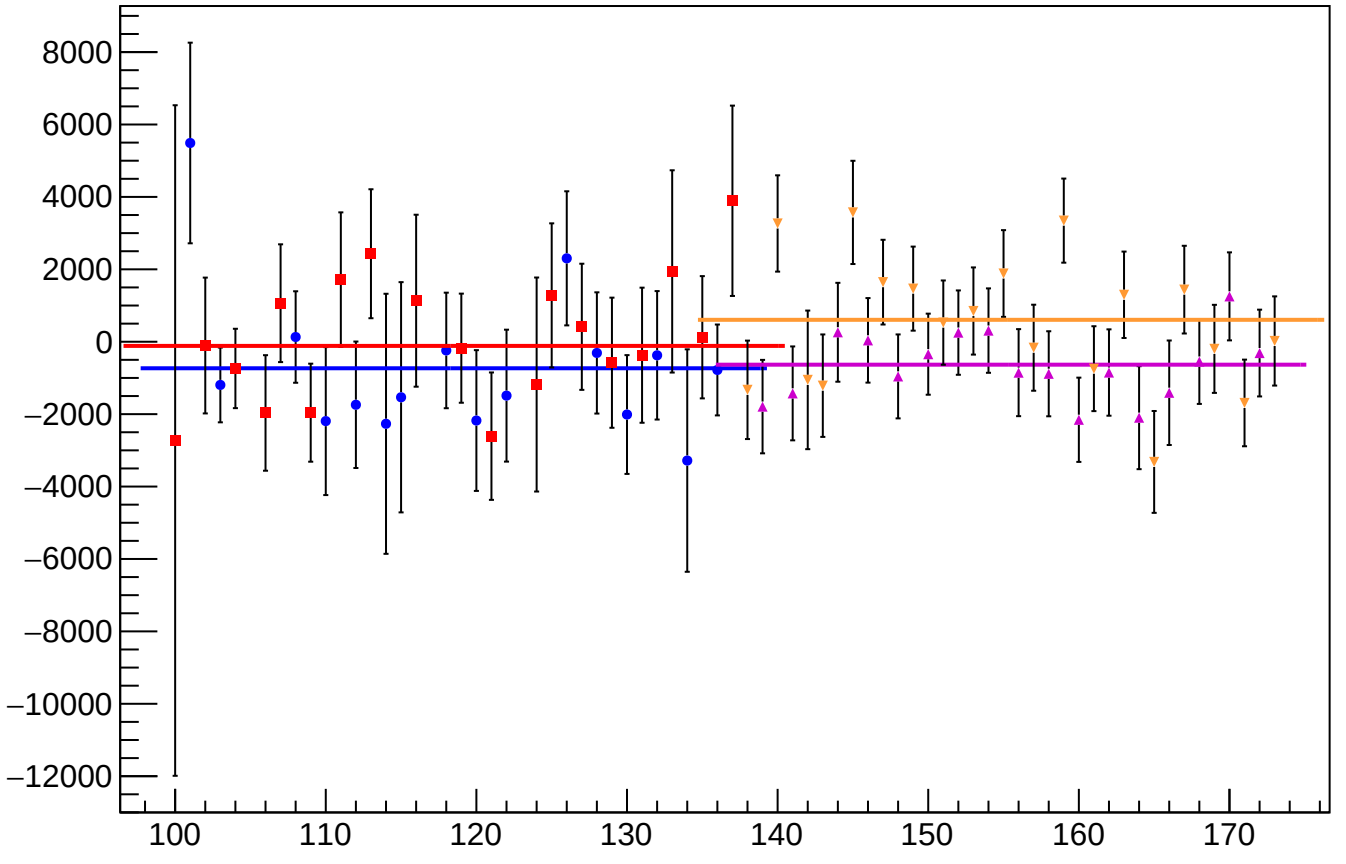
Left: 0.000+/-0.000 χ^2/NDF: 4002944.2/35

Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:4794433.6/32

Out: 0.000+/-0.000 χ^2/NDF:3809666.9/37

All: 0.000+/-0.000 χ^2/NDF: 8653566.3/70



Right In: -732.747+/-427.384 χ^2/NDF: 11.7/15

Left Out: 605.349+/-287.850 χ^2/NDF:35.5/18

Right Out: -115.040+/-411.437 χ^2/NDF: 13.1/18

Left In: -633.772+/-295.963 χ^2/NDF:9.0/16

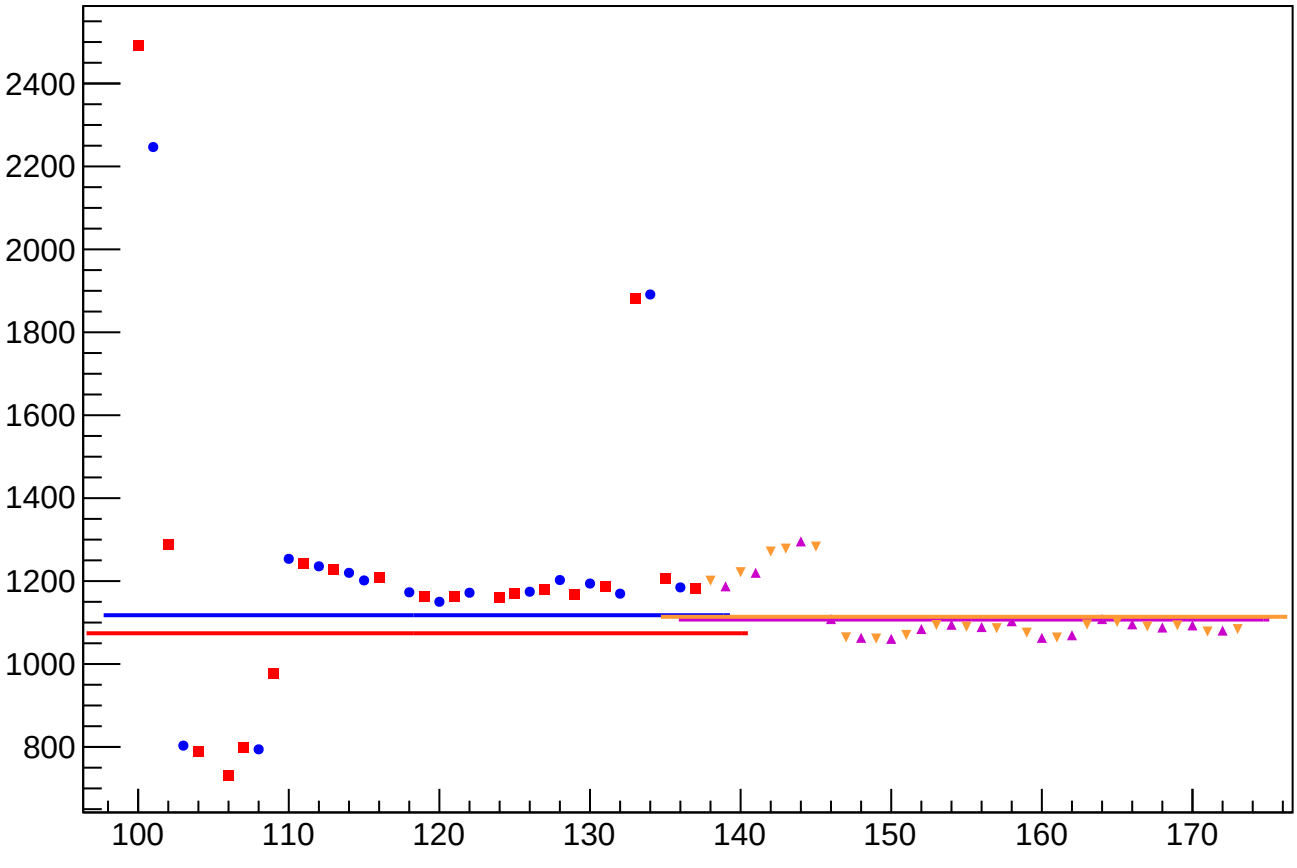
Left: 3.005+/-206.349 χ^2/NDF: 53.5/35

Right: -412.155+/-296.407 χ^2/NDF: 25.9/34

In: -665.852+/-243.317 χ^2/NDF:20.7/32

Out: 368.615+/-235.858 χ^2/NDF:50.7/37

All: -132.520+/-169.352 χ^2/NDF: 80.7/70



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1113.903+/-0.204 χ^2/NDF:113584.6/18

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1107.242+/-0.209 χ^2/NDF:75578.4/16

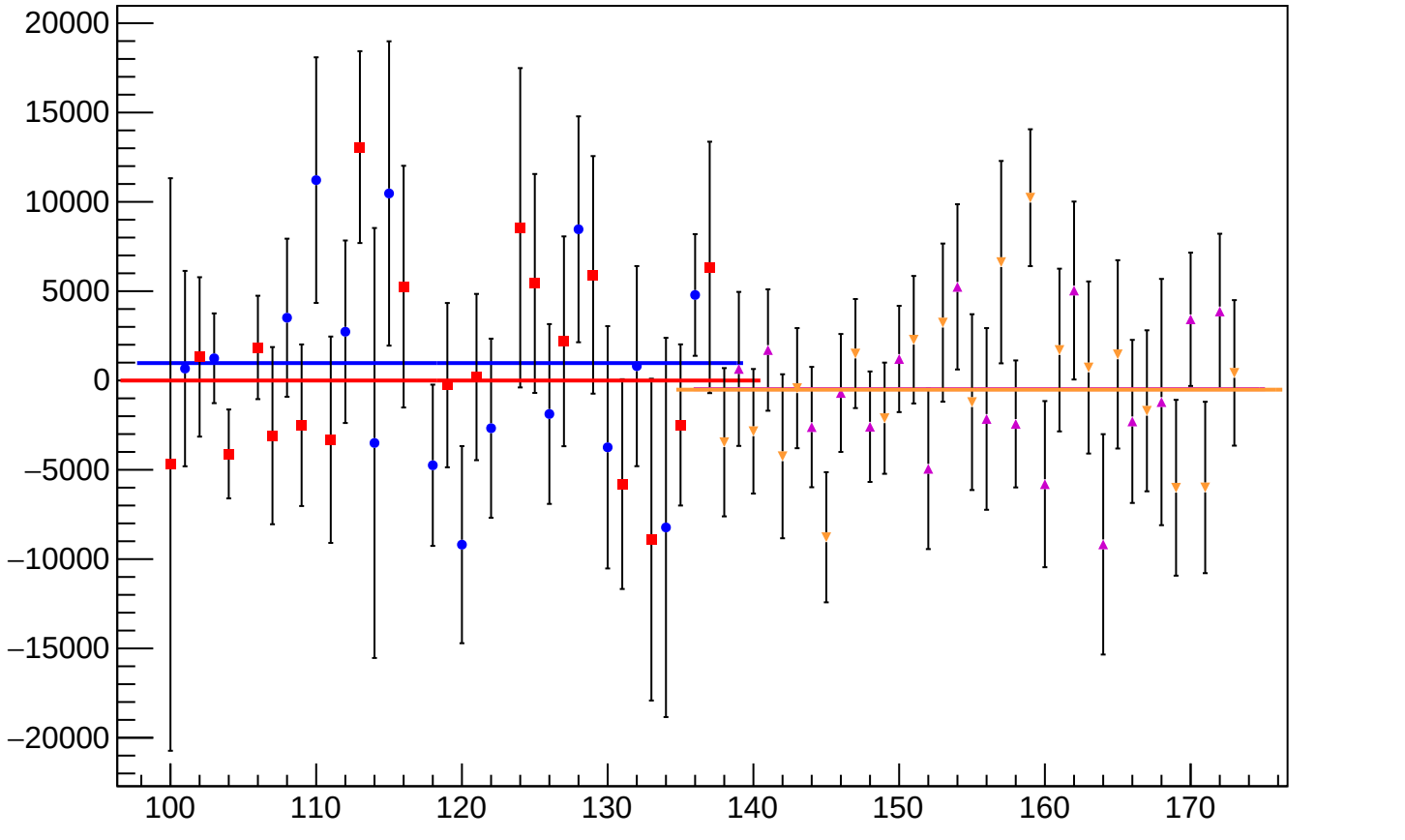
Left: 1110.665+/-0.146 χ^2/NDF: 189683.7/35

Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1110.626+/-0.172 χ^2/NDF:896220.4/32

Out: 1100.693+/-0.166 χ^2/NDF:775769.9/37

All: 1105.491+/-0.120 χ^2/NDF: 1673713.6/70



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -514.697+/-930.984 χ^2/NDF:21.4/18

Right Out: -2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: -484.743+/-972.033 χ^2/NDF:11.4/16

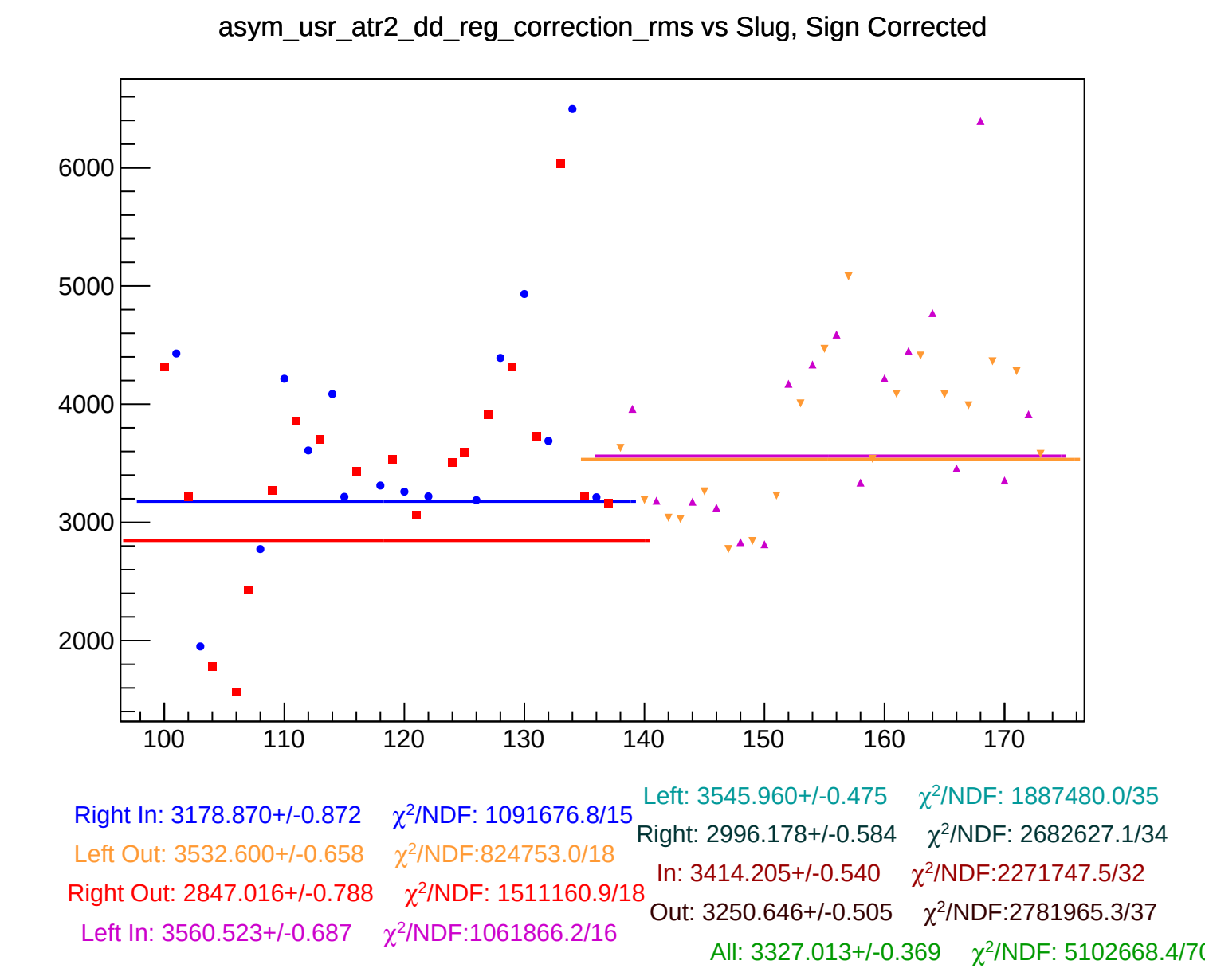
Left: -500.366+/-672.349 χ^2/NDF: 32.8/35

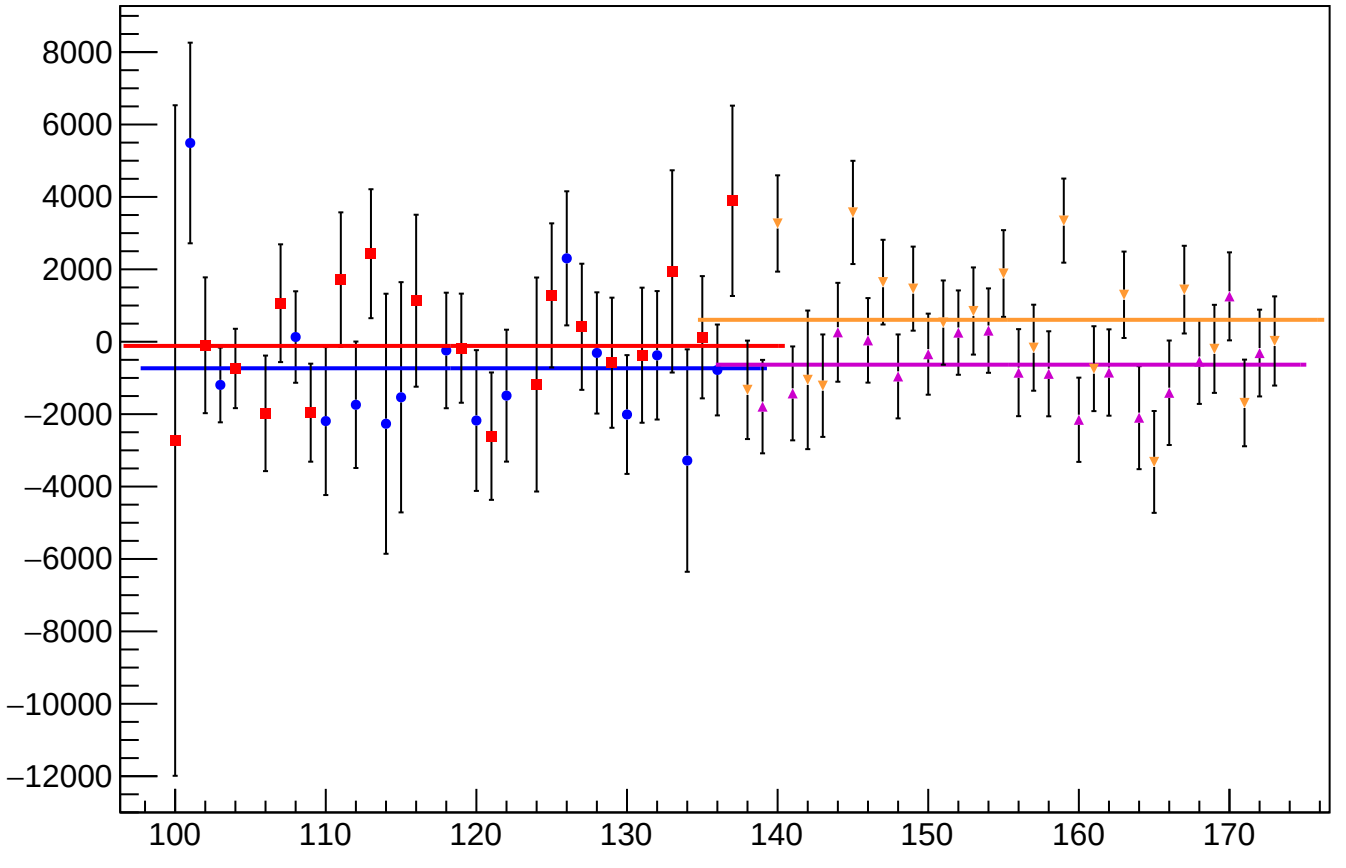
Right: 436.095+/-826.478 χ^2/NDF: 30.7/34

In: 74.414+/-763.291 χ^2/NDF:26.0/32

Out: -304.209+/-714.338 χ^2/NDF:38.1/37

All: -127.427+/-521.561 χ^2/NDF: 64.2/70


asym_usr_atr2_dd_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 3178.870+/-0.872 χ²/NDF: 1091676.8/15
Left Out: 3532.600+/-0.658 χ²/NDF:824753.0/18
Right Out: 2847.016+/-0.788 χ²/NDF: 1511160.9/18
Left In: 3560.523+/-0.687 χ²/NDF:1061866.2/16
Left: 3545.960+/-0.475 χ²/NDF: 1887480.0/35
Right: 2996.178+/-0.584 χ²/NDF: 2682627.1/34
In: 3414.205+/-0.540 χ²/NDF:2271747.5/32
Out: 3250.646+/-0.505 χ²/NDF:2781965.3/37
All: 3327.013+/-0.369 χ²/NDF: 5102668.4/70



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 605.438+/-287.850 χ^2/NDF:35.5/18

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -633.735+/-295.963 χ^2/NDF:9.0/16

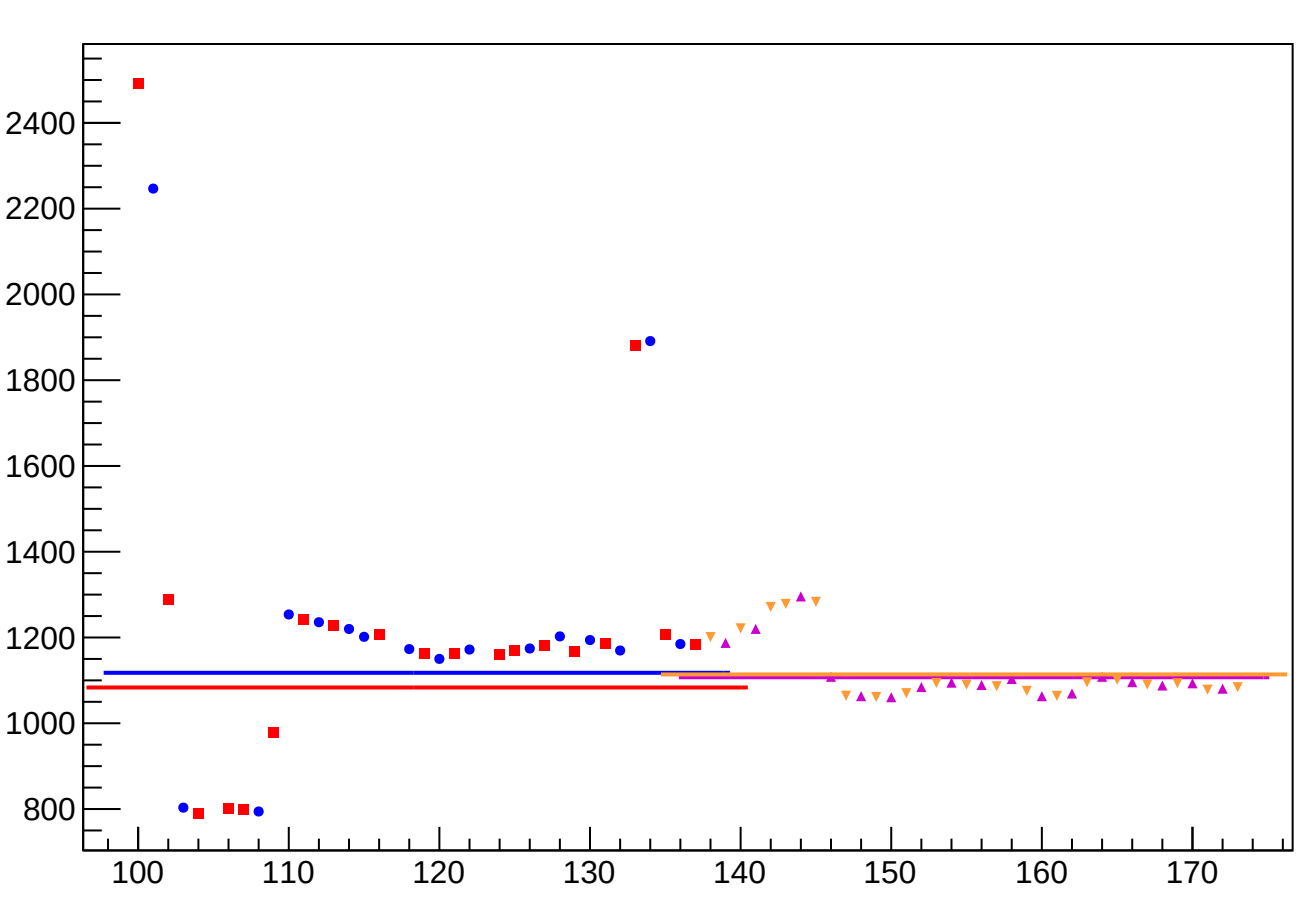
Left: 3.068+/-206.349 χ^2/NDF: 53.5/35

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -665.806+/-243.317 χ^2/NDF:20.7/32

Out: 368.590+/-235.859 χ^2/NDF:50.7/37

All: -132.512+/-169.353 χ^2/NDF: 80.8/70



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1113.903+/-0.204 χ^2/NDF:113584.6/18

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1107.242+/-0.209 χ^2/NDF:75578.4/16

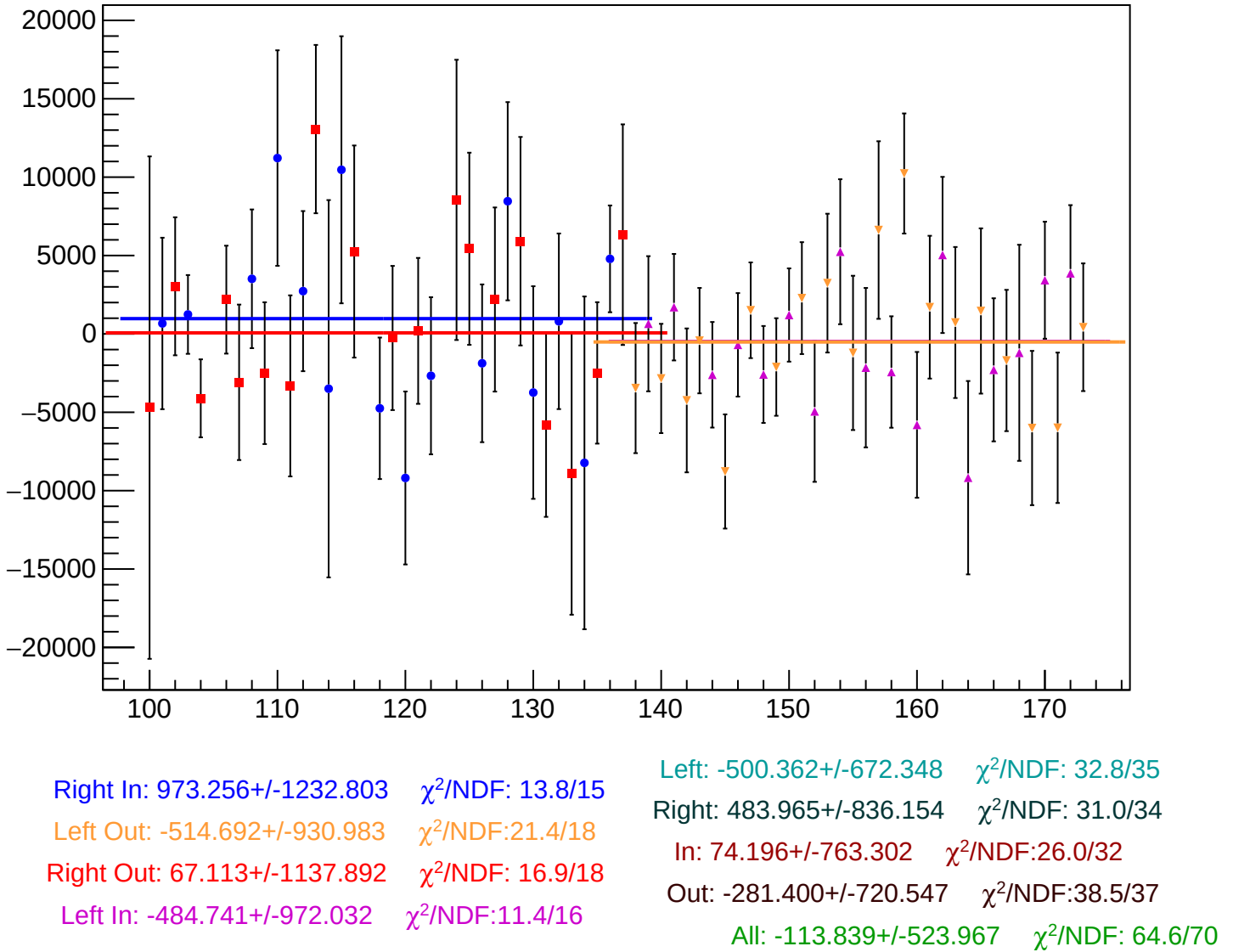
Left: 1110.665+/-0.146 χ^2/NDF: 189683.6/35

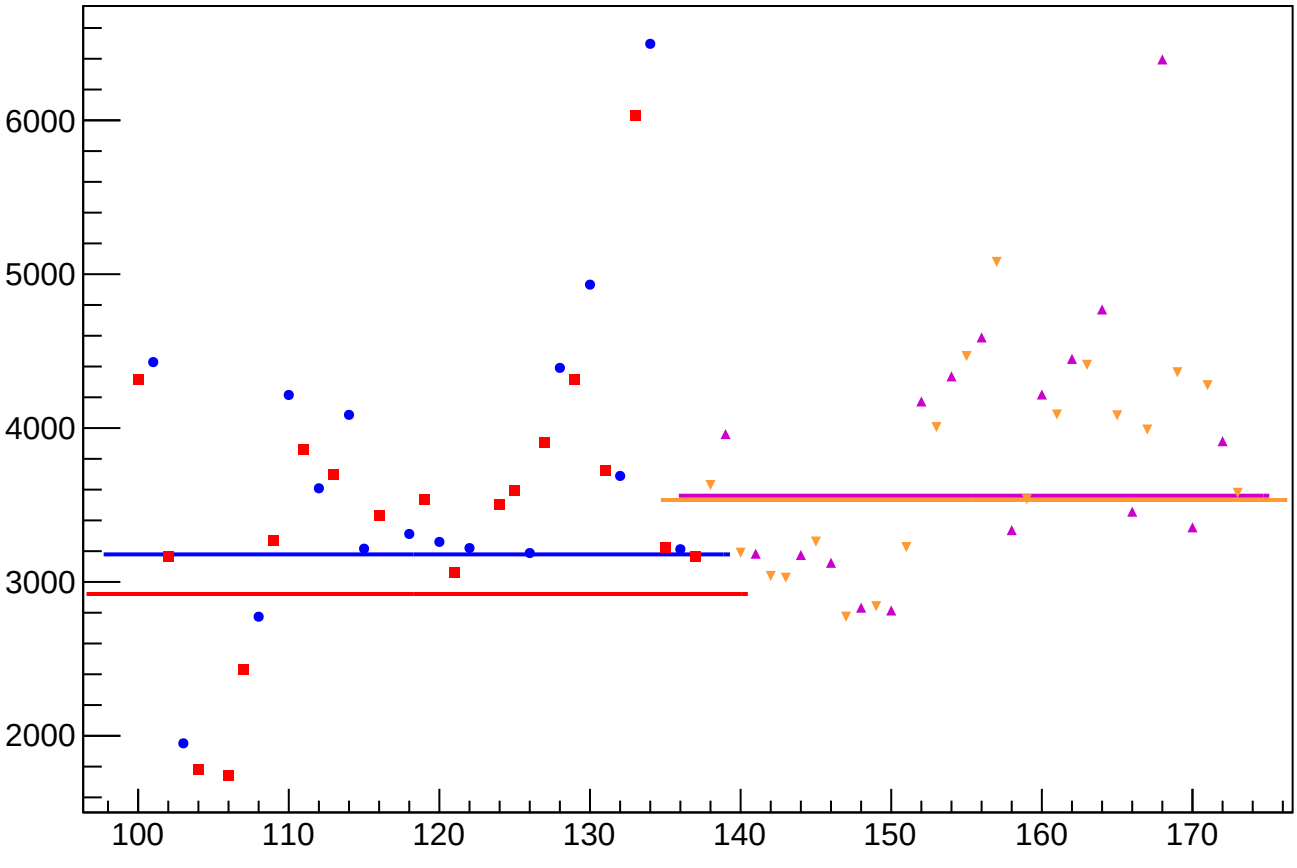
Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

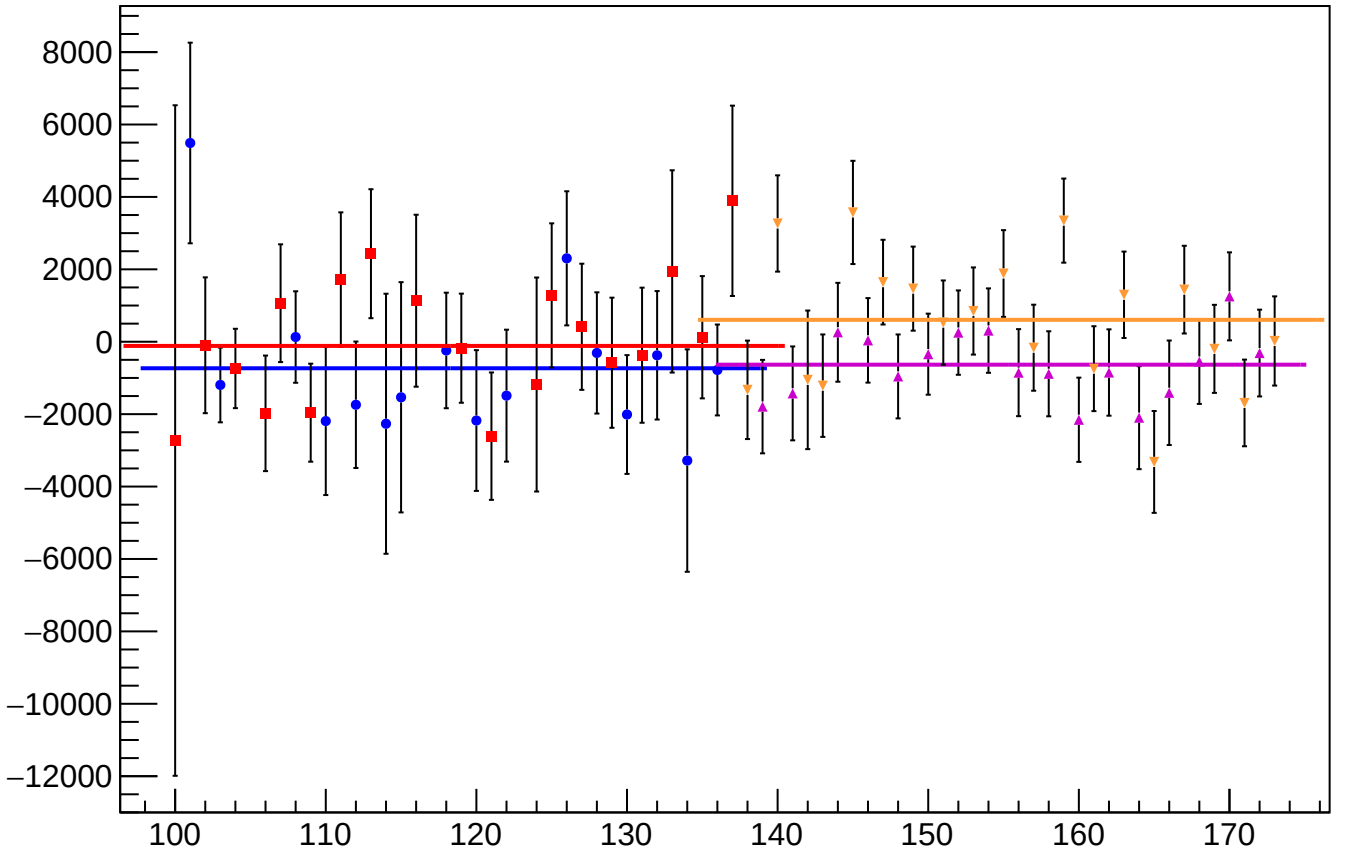
In: 1110.626+/-0.172 χ^2/NDF:896217.1/32

Out: 1103.860+/-0.167 χ^2/NDF:715990.4/37

All: 1107.136+/-0.120 χ^2/NDF: 1613005.3/70


asym_usr_atr2_dd_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 973.256+/-1232.803 χ²/NDF: 13.8/15
Left Out: -514.692+/-930.983 χ²/NDF:21.4/18
Right Out: 67.113+/-1137.892 χ²/NDF: 16.9/18
Left In: -484.741+/-972.032 χ²/NDF:11.4/16
Left: -500.362+/-672.348 χ²/NDF: 32.8/35
Right: 483.965+/-836.154 χ²/NDF: 31.0/34
In: 74.196+/-763.302 χ²/NDF:26.0/32
Out: -281.400+/-720.547 χ²/NDF:38.5/37
All: -113.839+/-523.967 χ²/NDF: 64.6/70


asym_usr_atr2_dd_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 3179.054+/-0.872 χ²/NDF: 1091236.5/15
Left Out: 3532.596+/-0.658 χ²/NDF:824755.5/18
Right Out: 2921.641+/-0.805 χ²/NDF: 1312890.1/18
Left In: 3560.520+/-0.687 χ²/NDF:1061869.9/16
Left: 3545.956+/-0.475 χ²/NDF: 1887486.3/35
Right: 3040.058+/-0.591 χ²/NDF: 2451210.8/34
In: 3414.282+/-0.540 χ²/NDF:2271189.3/32
Out: 3287.615+/-0.510 χ²/NDF:2483018.5/37
All: 3347.302+/-0.371 χ²/NDF: 4783331.3/70



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 605.438+/-287.850 χ^2/NDF:35.5/18

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -633.735+/-295.963 χ^2/NDF:9.0/16

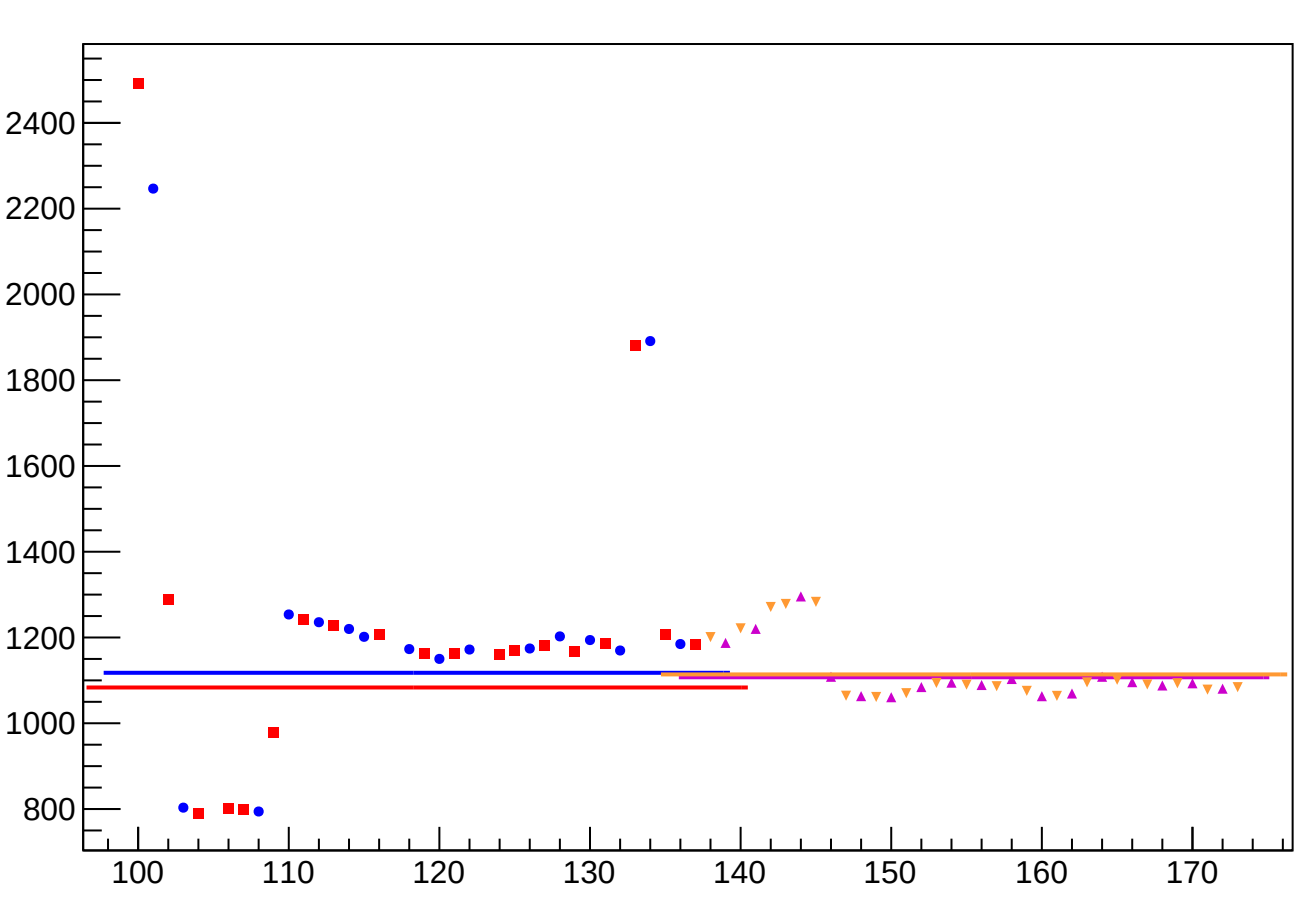
Left: 3.068+/-206.349 χ^2/NDF: 53.5/35

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -665.806+/-243.317 χ^2/NDF:20.7/32

Out: 368.590+/-235.859 χ^2/NDF:50.7/37

All: -132.512+/-169.353 χ^2/NDF: 80.8/70



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1113.903+/-0.204 χ^2/NDF:113584.6/18

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1107.242+/-0.209 χ^2/NDF:75578.4/16

Left: 1110.665+/-0.146 χ^2/NDF: 189683.6/35

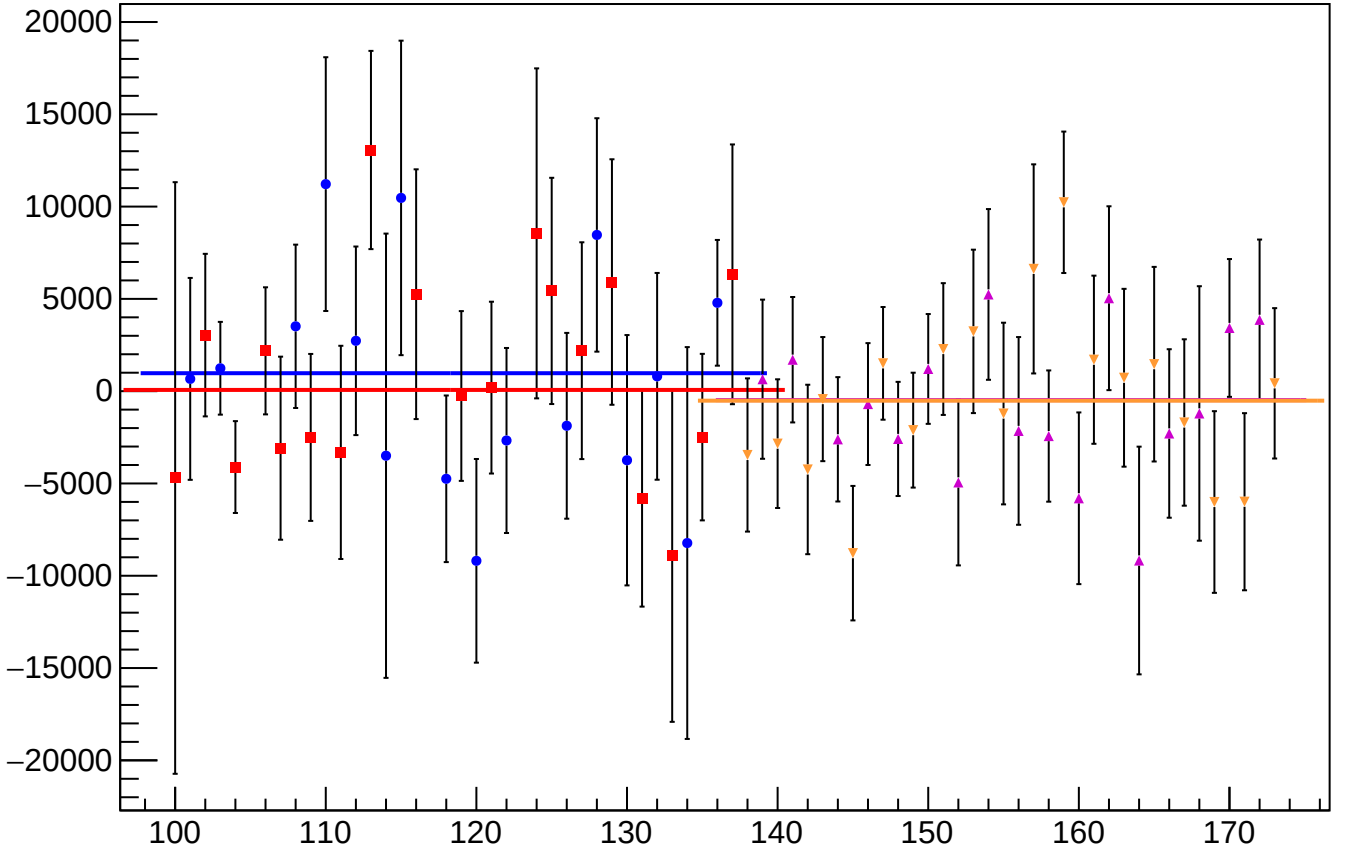
Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1110.626+/-0.172 χ^2/NDF:896217.1/32

Out: 1103.860+/-0.167 χ^2/NDF:715990.4/37

All: 1107.136+/-0.120 χ^2/NDF: 1613005.3/70

asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -514.692+/-930.983 χ^2/NDF:21.4/18

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -484.741+/-972.032 χ^2/NDF:11.4/16

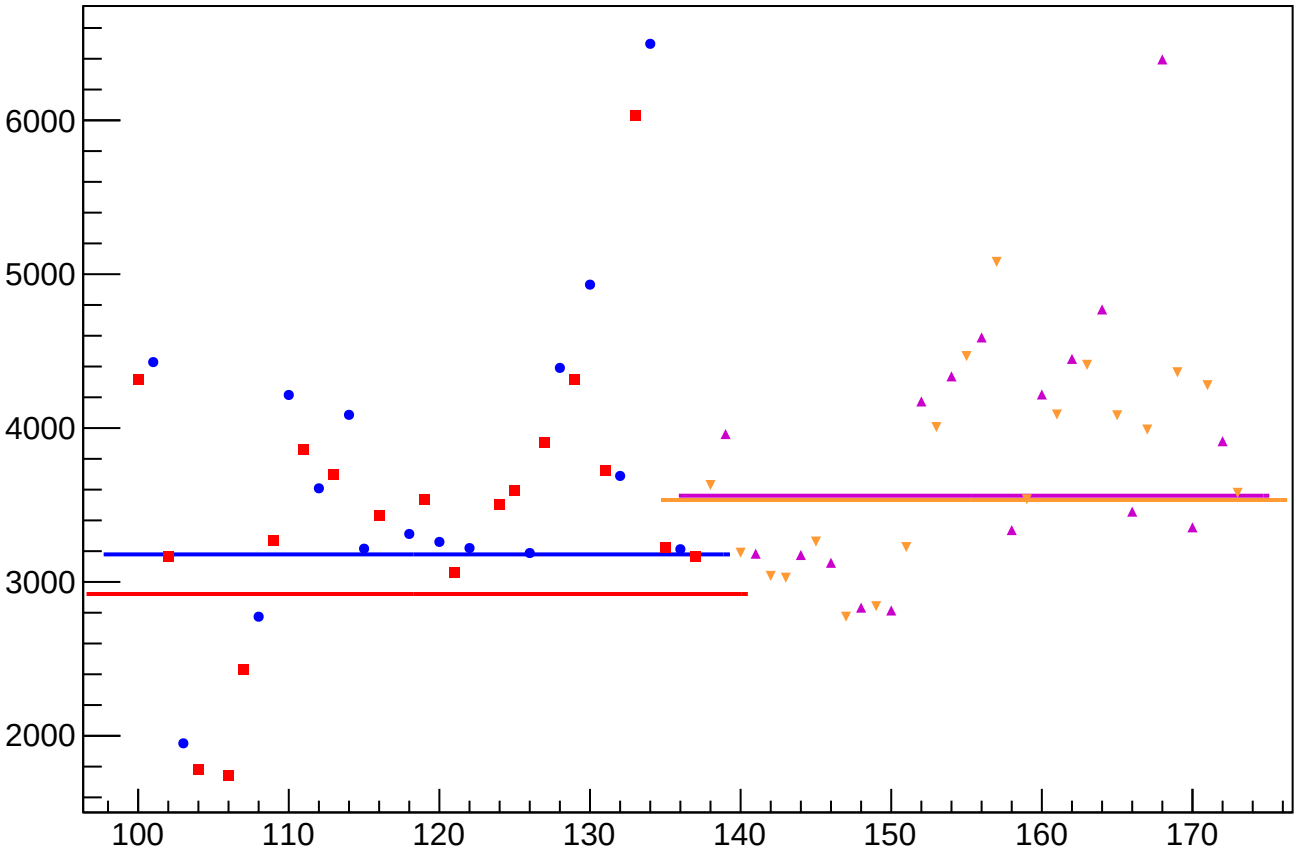
Left: -500.362+/-672.348 χ^2/NDF: 32.8/35

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 74.196+/-763.302 χ^2/NDF:26.0/32

Out: -281.400+/-720.547 χ^2/NDF:38.5/37

All: -113.839+/-523.967 χ^2/NDF: 64.6/70



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3532.596+/-0.658 χ^2/NDF:824755.5/18

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3560.520+/-0.687 χ^2/NDF:1061869.9/16

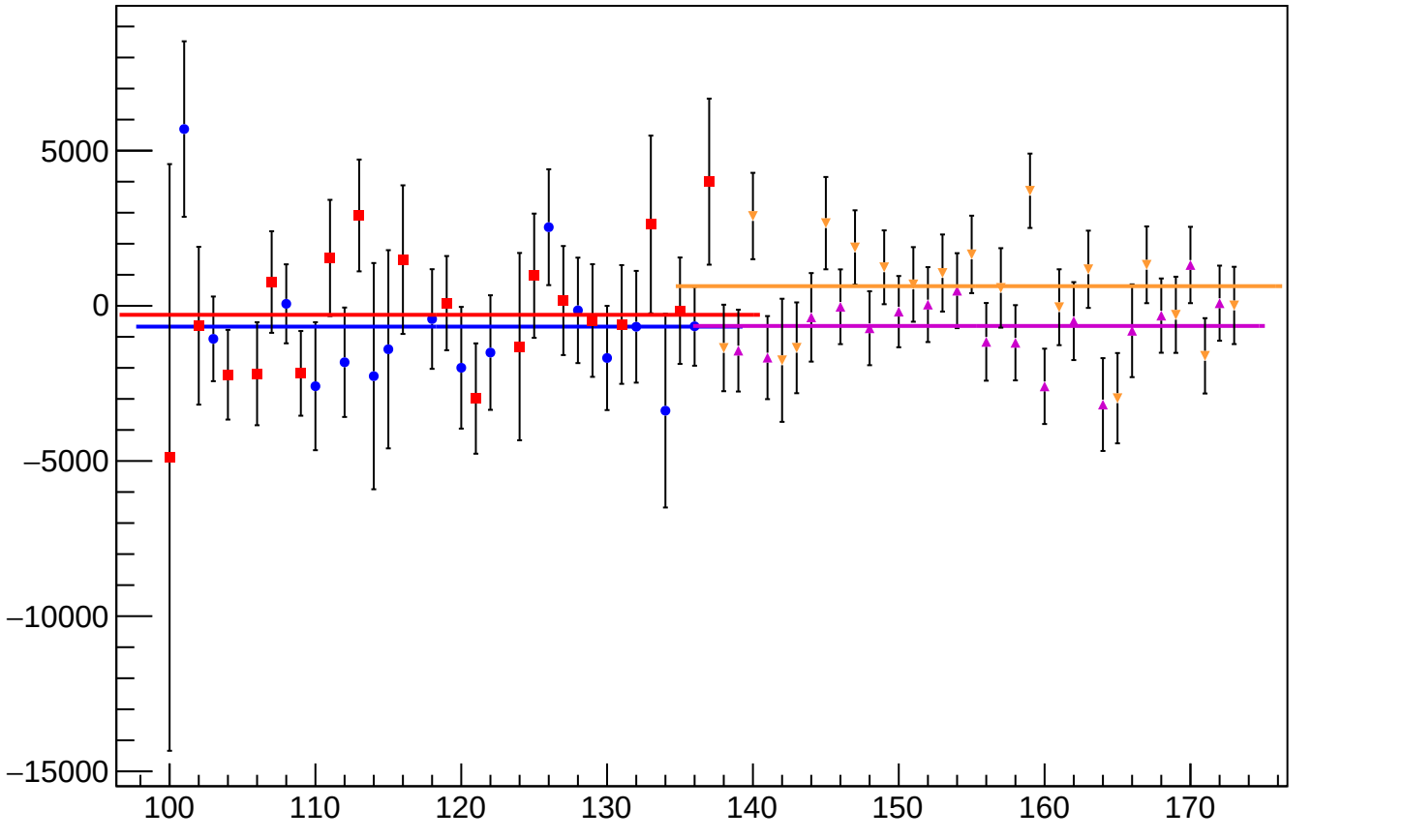
Left: 3545.956+/-0.475 χ^2/NDF: 1887486.3/35

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3414.282+/-0.540 χ^2/NDF:2271189.3/32

Out: 3287.615+/-0.510 χ^2/NDF:2483018.5/37

All: 3347.302+/-0.371 χ^2/NDF: 4783331.3/70



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 633.271+/-297.138 χ^2/NDF:29.8/18

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -649.038+/-305.432 χ^2/NDF:11.5/16

Left: 9.763+/-212.980 χ^2/NDF: 50.3/35

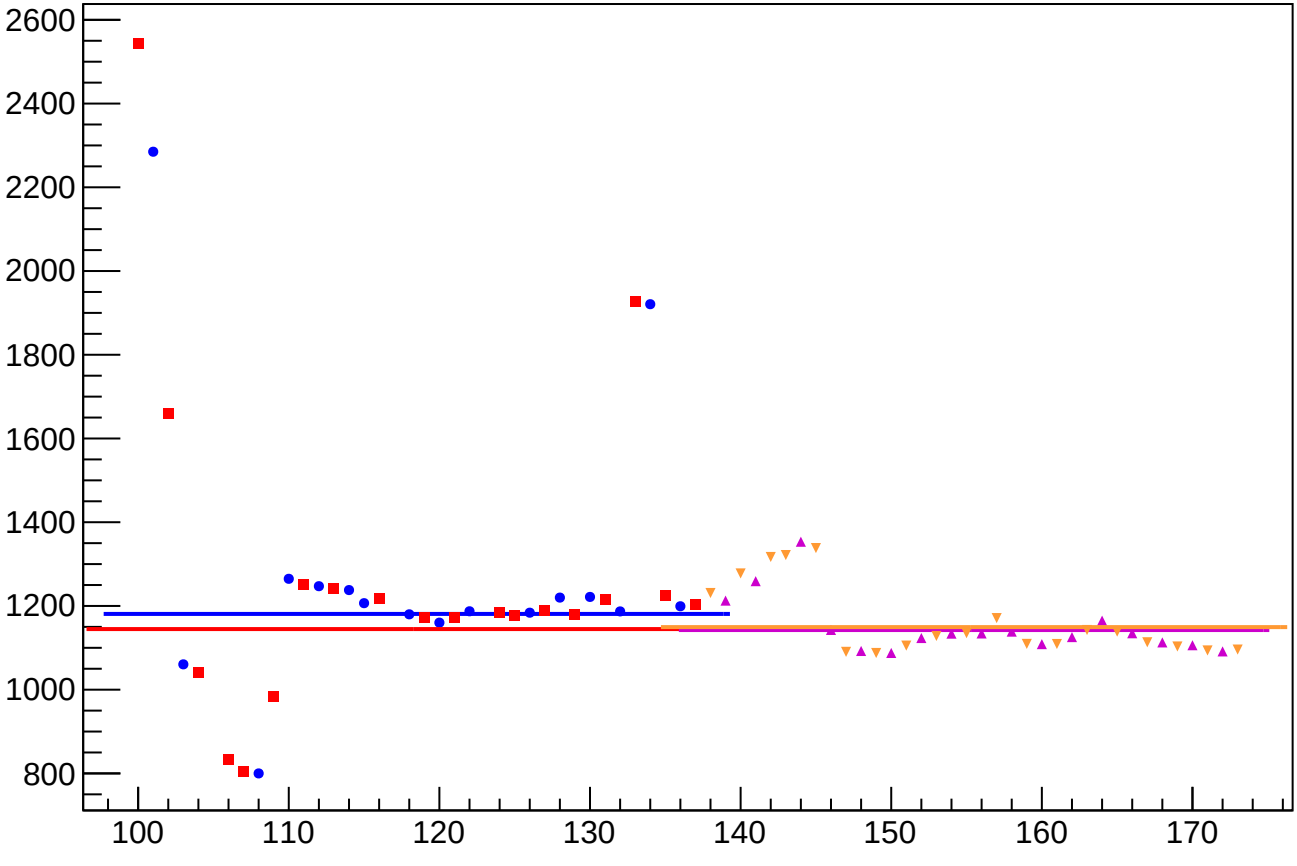
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -655.939+/-252.451 χ^2/NDF:23.3/32

Out: 338.905+/-245.256 χ^2/NDF:49.8/37

All: -144.138+/-175.911 χ^2/NDF: 81.1/70

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1149.450+/-0.210 χ^2/NDF:129452.1/18

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1142.444+/-0.216 χ^2/NDF:82318.7/16

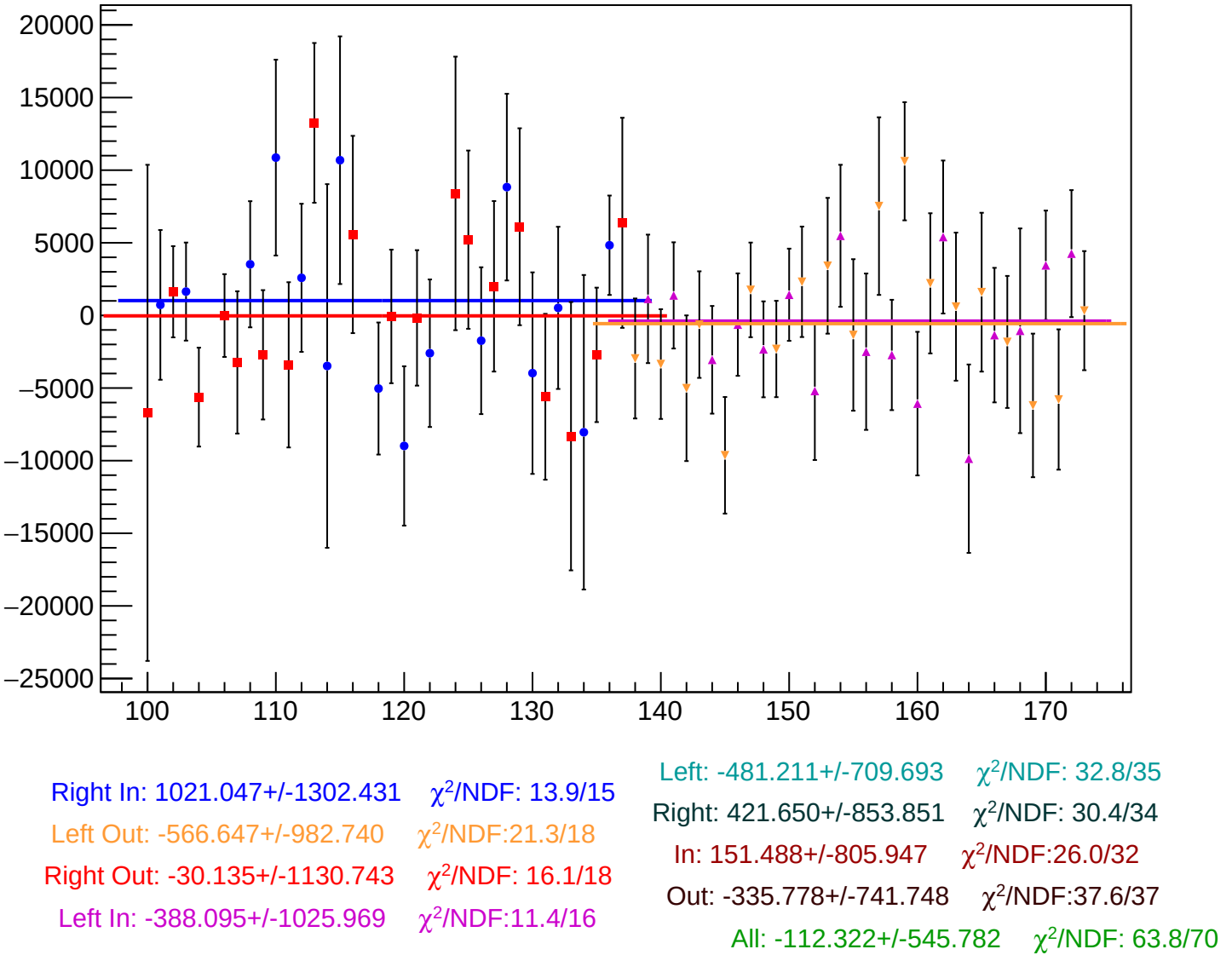
Left: 1146.043+/-0.151 χ^2/NDF: 212311.4/35

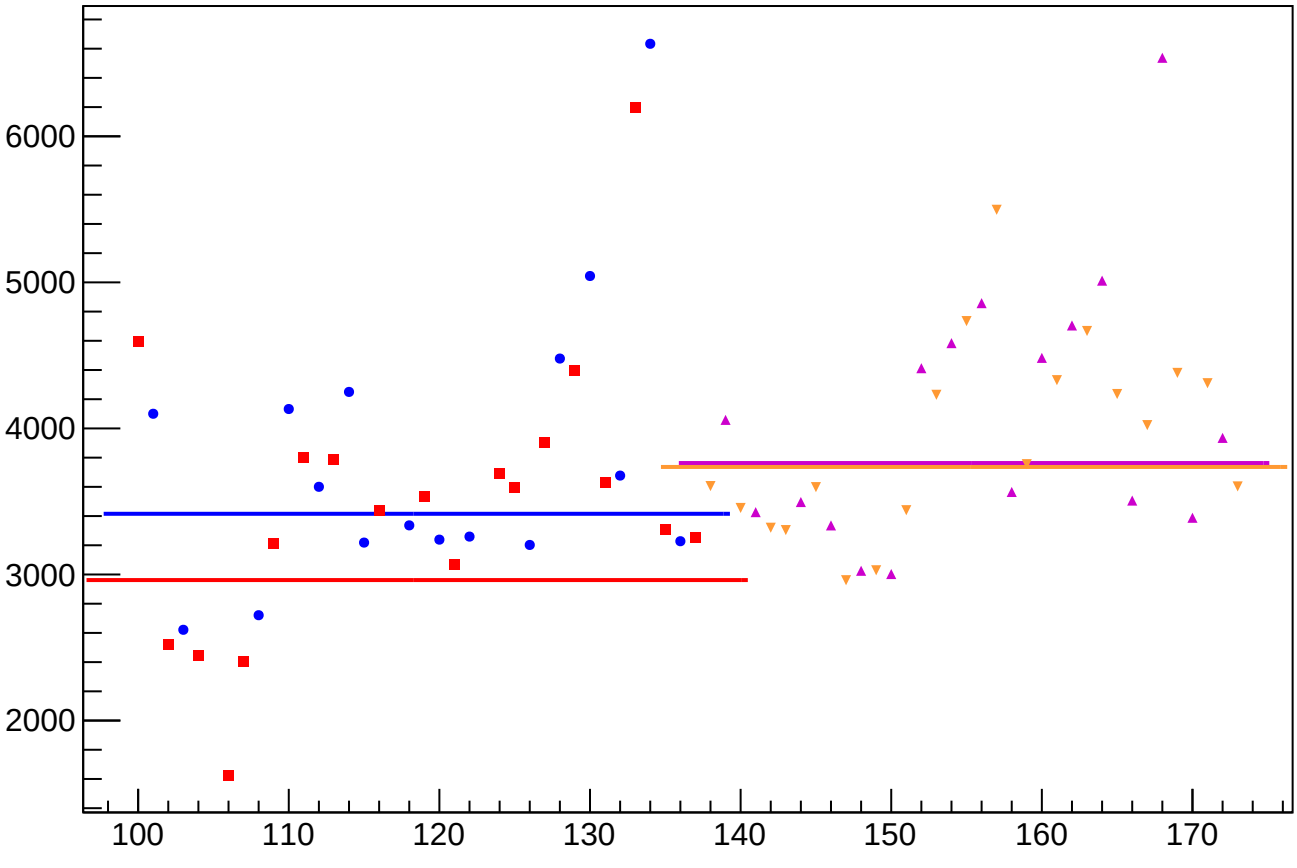
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1154.646+/-0.179 χ^2/NDF:714271.3/32

Out: 1147.959+/-0.173 χ^2/NDF:627340.5/37

All: 1151.206+/-0.124 χ^2/NDF: 1342333.7/70


asym_usr_atr2_dd_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 1021.047+/-1302.431 χ²/NDF: 13.9/15
Left Out: -566.647+/-982.740 χ²/NDF:21.3/18
Right Out: -30.135+/-1130.743 χ²/NDF: 16.1/18
Left In: -388.095+/-1025.969 χ²/NDF:11.4/16
Left: -481.211+/-709.693 χ²/NDF: 32.8/35
Right: 421.650+/-853.851 χ²/NDF: 30.4/34
In: 151.488+/-805.947 χ²/NDF:26.0/32
Out: -335.778+/-741.748 χ²/NDF:37.6/37
All: -112.322+/-545.782 χ²/NDF: 63.8/70



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3736.224+/-0.695 χ^2/NDF:720919.0/18

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3763.075+/-0.725 χ^2/NDF:981323.3/16

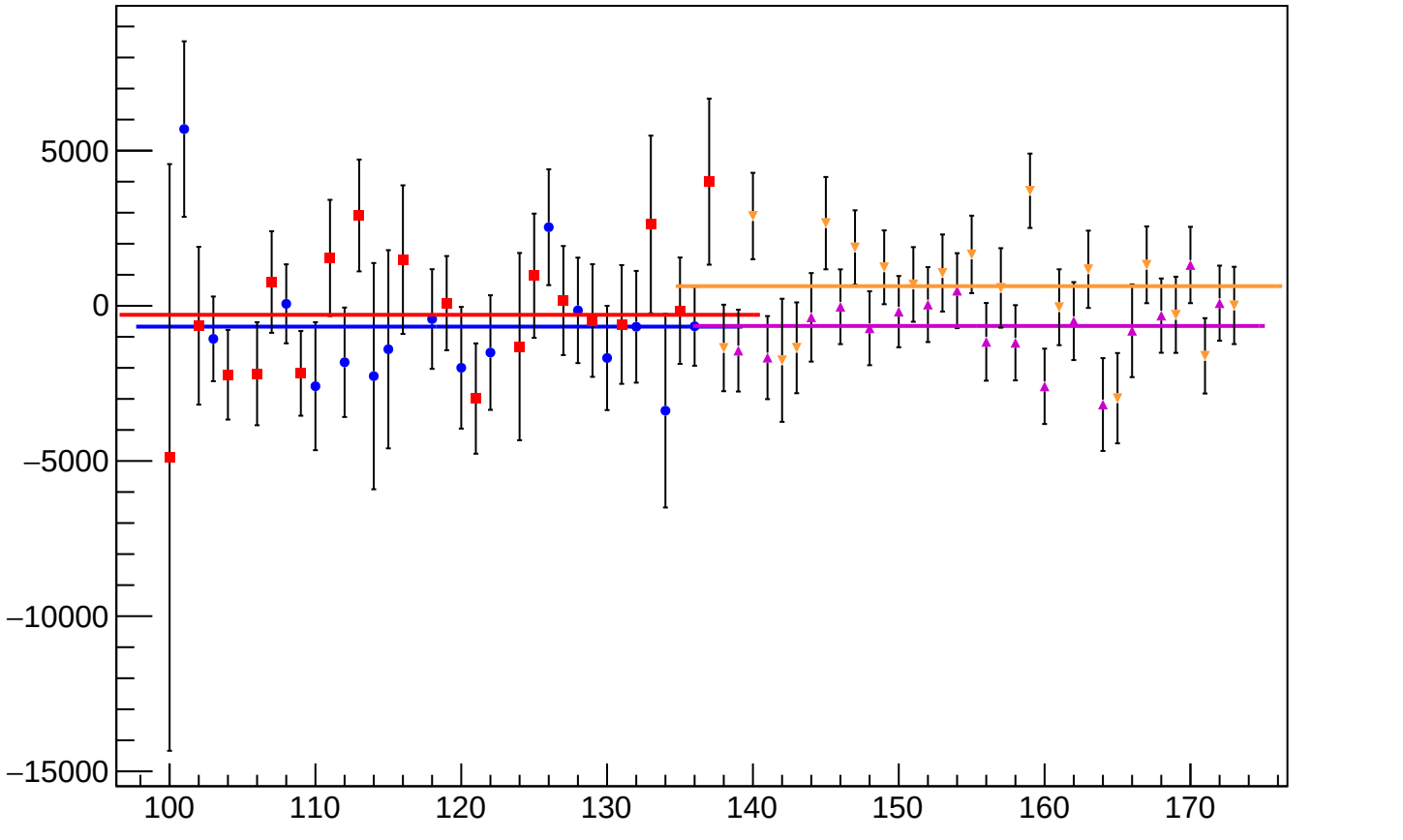
Left: 3749.072+/-0.502 χ^2/NDF: 1702956.7/35

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3630.019+/-0.570 χ^2/NDF:1661513.7/32

Out: 3402.978+/-0.524 χ^2/NDF:2424614.7/37

All: 3507.097+/-0.386 χ^2/NDF: 4172059.9/70



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 633.276+/-297.138 χ^2/NDF:29.8/18

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -649.039+/-305.432 χ^2/NDF:11.5/16

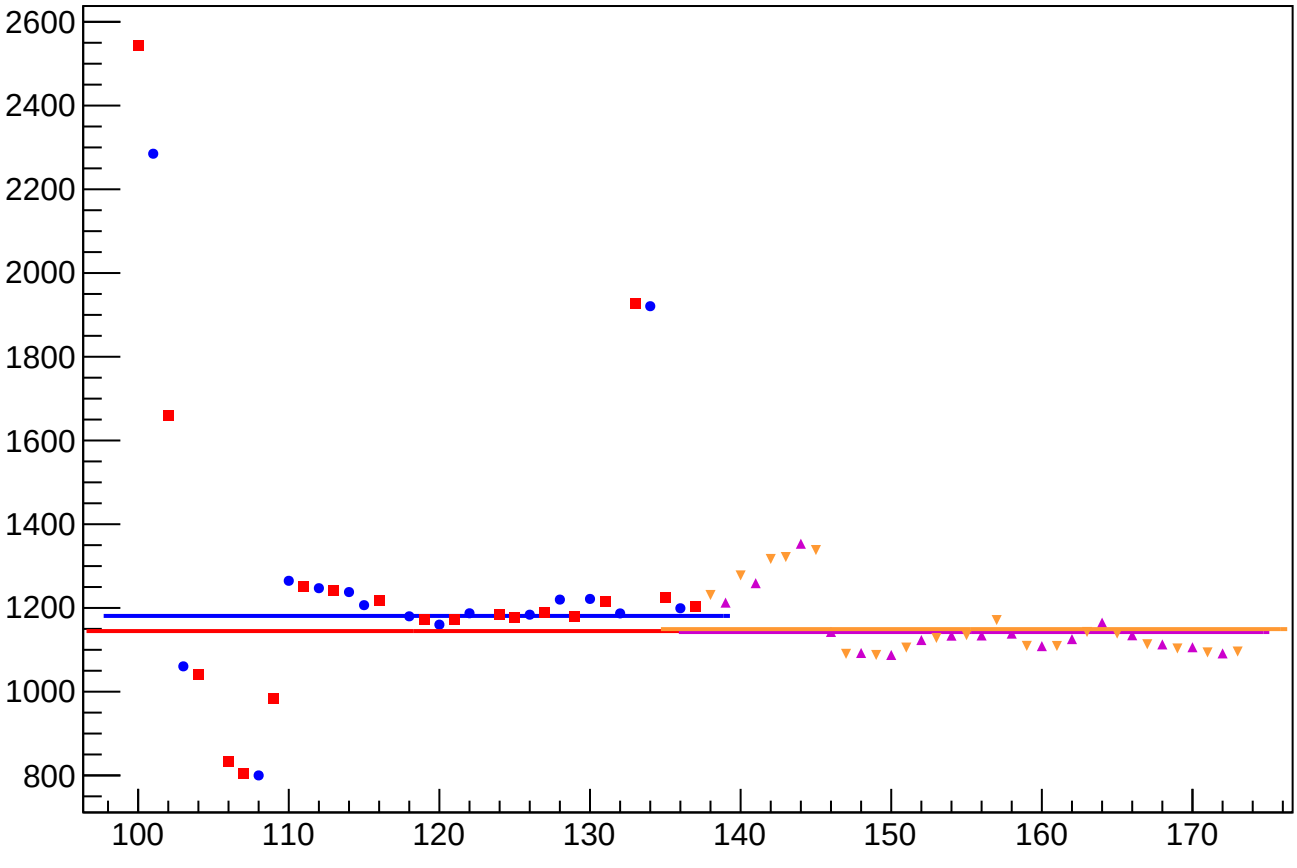
Left: 9.765+/-212.980 χ^2/NDF: 50.3/35

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -655.941+/-252.451 χ^2/NDF:23.3/32

Out: 338.907+/-245.257 χ^2/NDF:49.8/37

All: -144.139+/-175.911 χ^2/NDF: 81.1/70



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1149.450+/-0.210 χ^2/NDF:129452.2/18

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1142.445+/-0.216 χ^2/NDF:82318.3/16

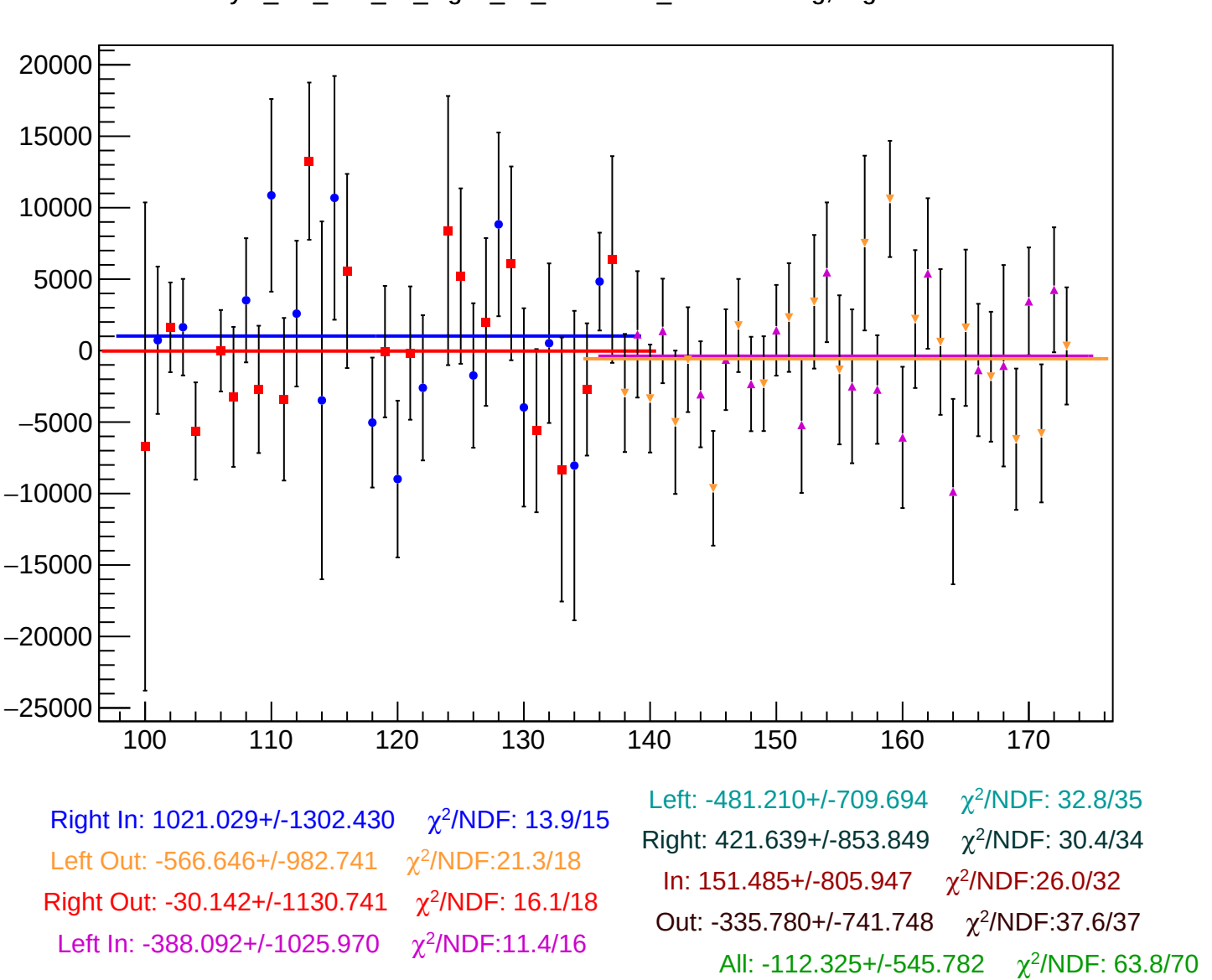
Left: 1146.044+/-0.151 χ^2/NDF: 212311.0/35

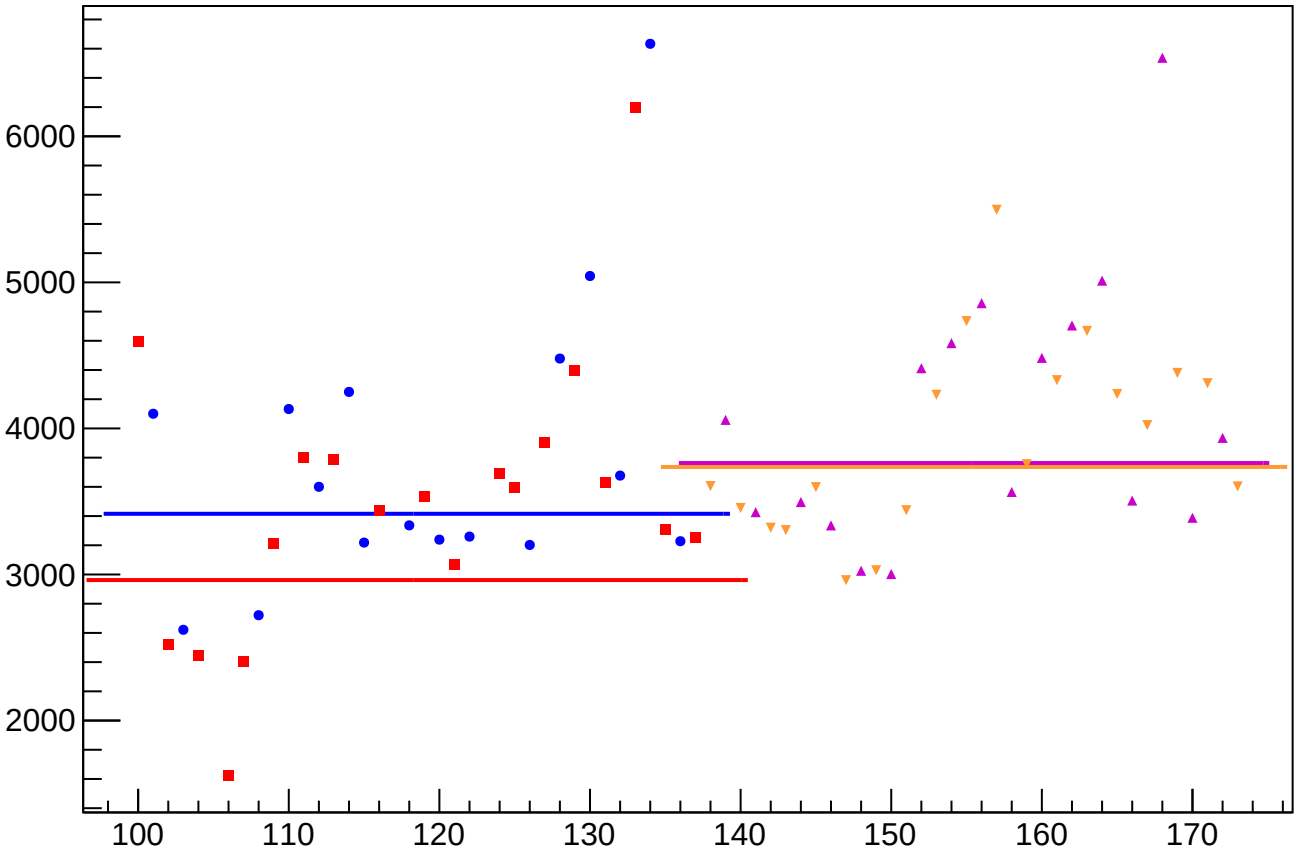
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1154.647+/-0.179 χ^2/NDF:714270.6/32

Out: 1147.960+/-0.173 χ^2/NDF:627340.2/37

All: 1151.206+/-0.124 χ^2/NDF: 1342332.8/70


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 1021.029+/-1302.430 χ²/NDF: 13.9/15
Left Out: -566.646+/-982.741 χ²/NDF:21.3/18
Right Out: -30.142+/-1130.741 χ²/NDF: 16.1/18
Left In: -388.092+/-1025.970 χ²/NDF:11.4/16
Left: -481.210+/-709.694 χ²/NDF: 32.8/35
Right: 421.639+/-853.849 χ²/NDF: 30.4/34
In: 151.485+/-805.947 χ²/NDF:26.0/32
Out: -335.780+/-741.748 χ²/NDF:37.6/37
All: -112.325+/-545.782 χ²/NDF: 63.8/70



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3736.229+/-0.695 χ^2/NDF:720918.0/18

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

Left In: 3763.079+/-0.725 χ^2/NDF:981323.7/16

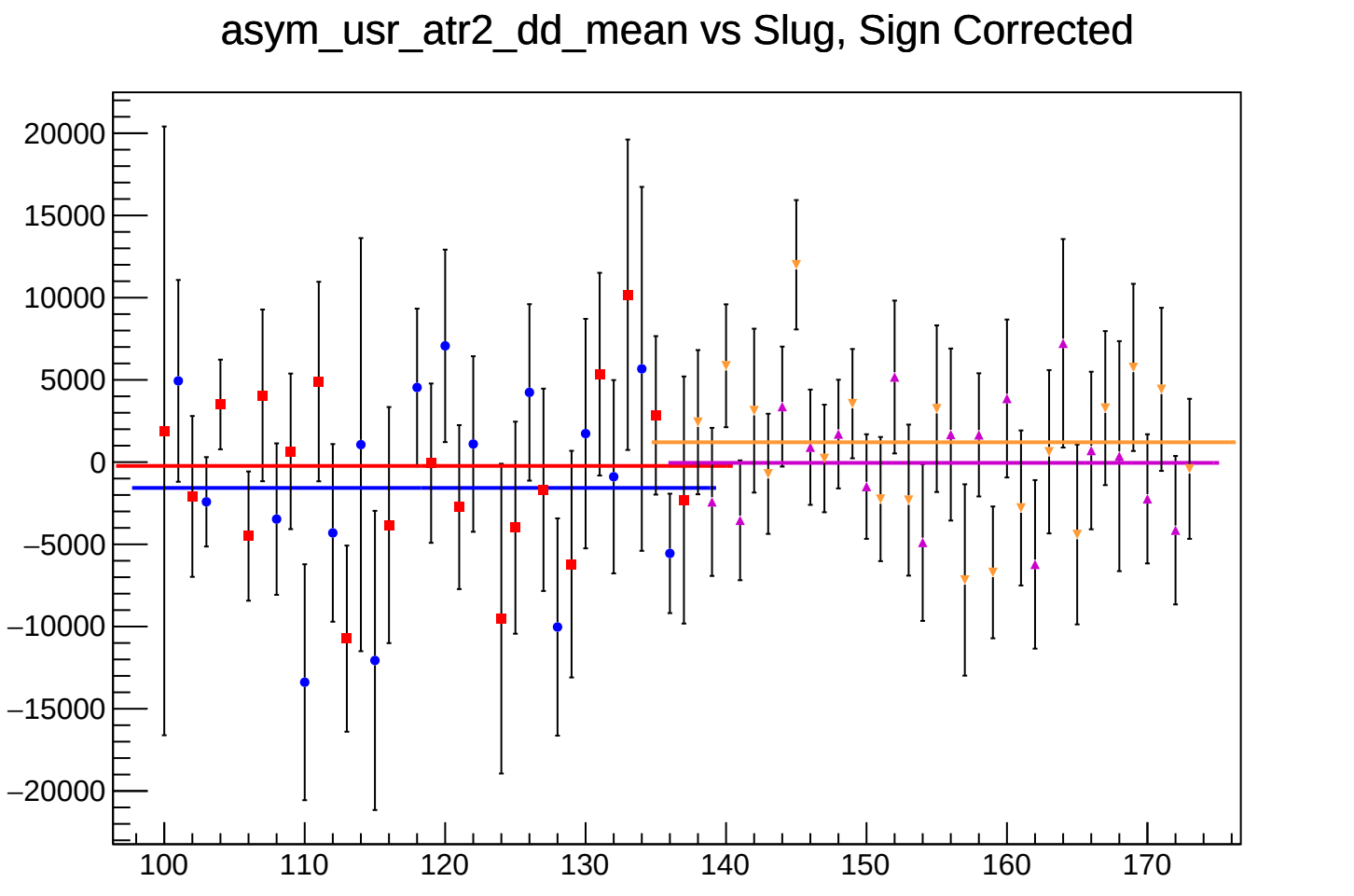
Left: 3749.077+/-0.502 χ^2/NDF: 1702956.0/35

Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

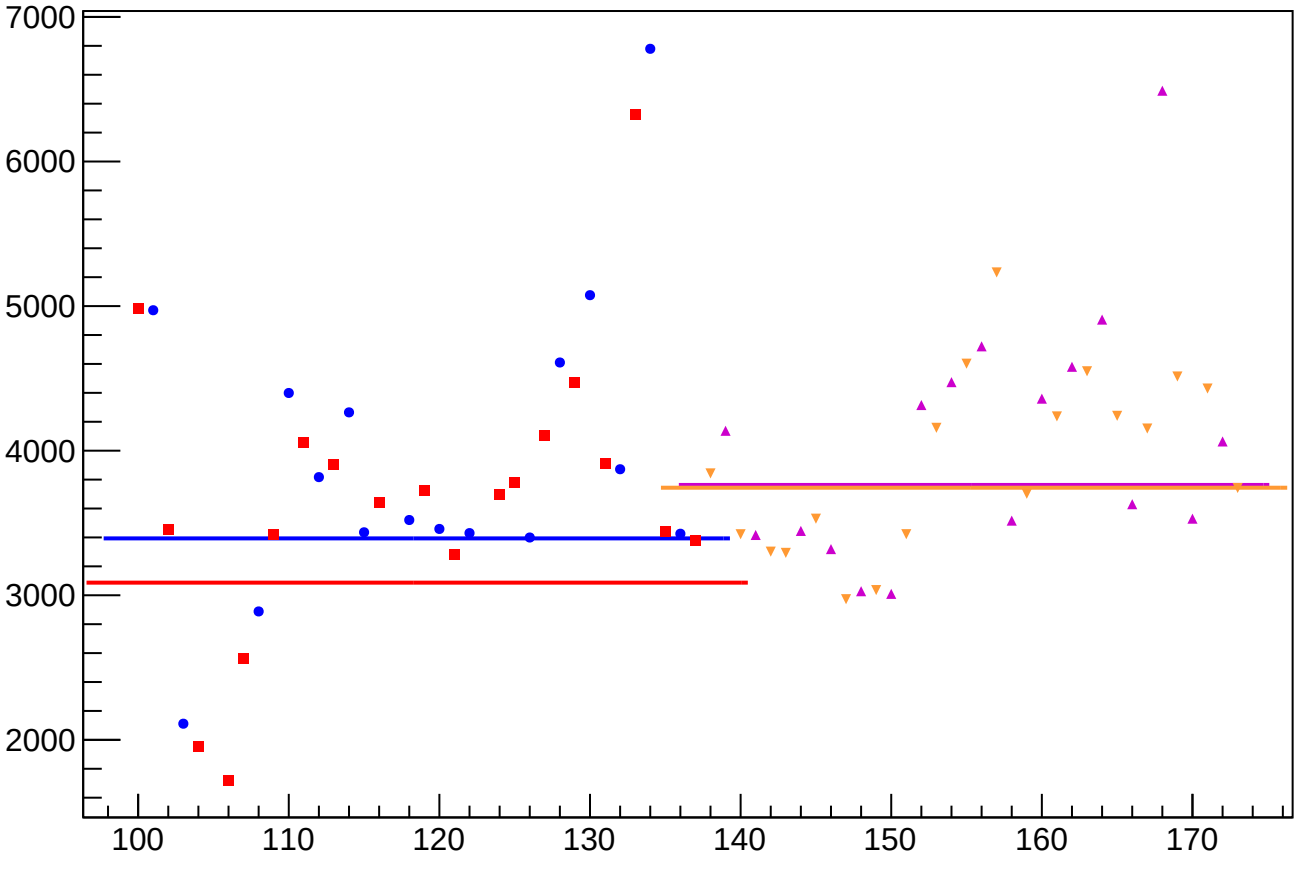
In: 3630.020+/-0.570 χ^2/NDF:1661513.2/32

Out: 3402.977+/-0.524 χ^2/NDF:2424627.8/37

All: 3507.097+/-0.386 χ^2/NDF: 4172073.5/70


asym_usr_atr2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: -1569.809+/-1312.937 χ²/NDF: 14.5/15
Left Out: 1207.397+/-983.018 χ²/NDF:21.1/18
Right Out: -231.125+/-1224.318 χ²/NDF: 13.2/18
Left In: -46.541+/-1023.843 χ²/NDF:9.8/16
Left: 605.926+/-709.092 χ²/NDF: 31.7/35
Right: -853.767+/-895.415 χ²/NDF: 28.2/34
In: -622.565+/-807.376 χ²/NDF:25.1/32
Out: 643.534+/-766.518 χ²/NDF:35.1/37
All: 43.330+/-555.894 χ²/NDF: 61.6/70

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3743.856+/-0.695 χ^2/NDF:679581.4/18

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3763.020+/-0.724 χ^2/NDF:907169.8/16

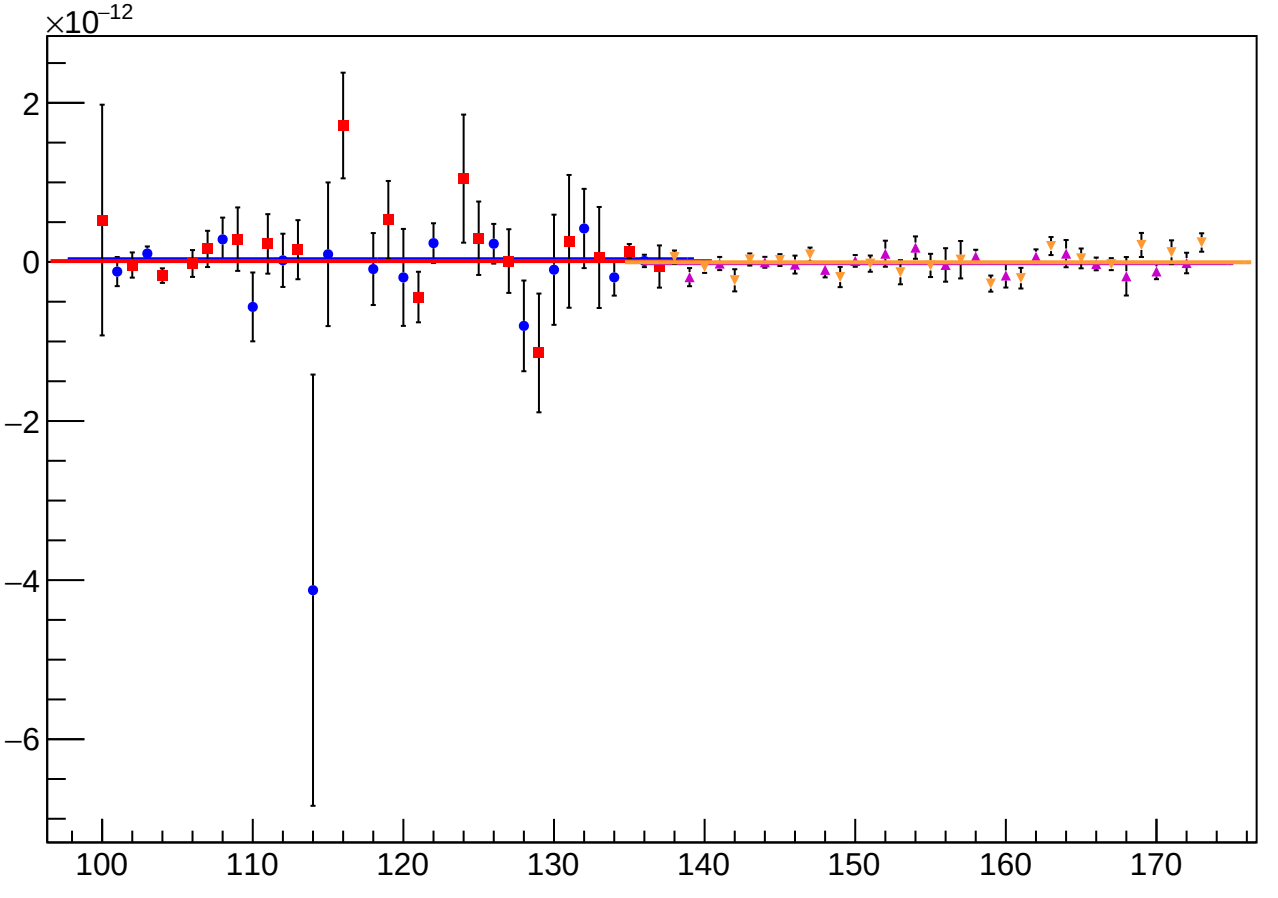
Left: 3753.049+/-0.501 χ^2/NDF: 1587115.8/35

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3623.235+/-0.571 χ^2/NDF:2054464.7/32

Out: 3481.201+/-0.538 χ^2/NDF:2364848.9/37

All: 3548.060+/-0.392 χ^2/NDF: 4452073.5/70



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: -0.000+/-0.000 χ^2/NDF:10.7/16

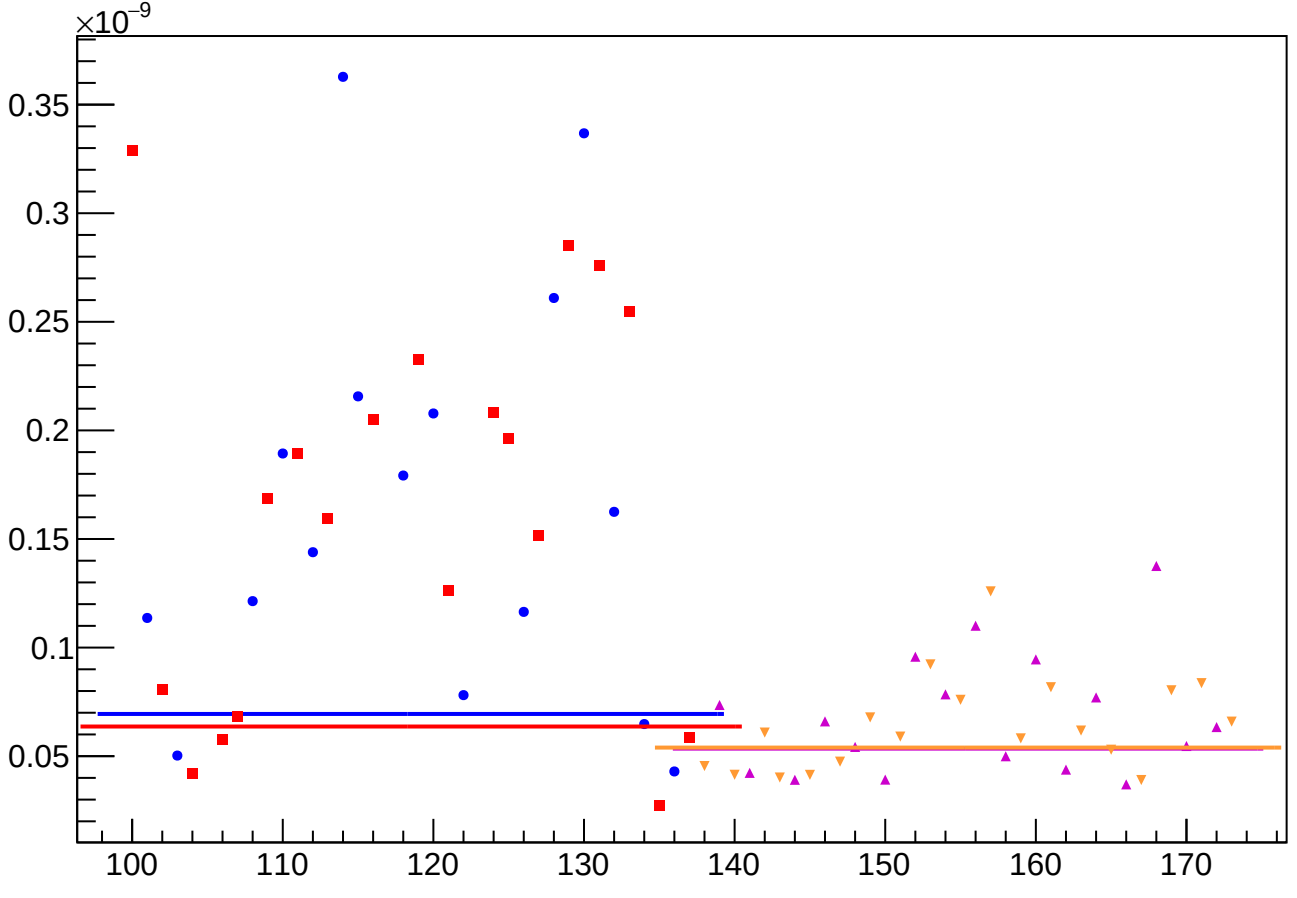
Left: -0.000+/-0.000 χ^2/NDF: 39.5/35

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: -0.000+/-0.000 χ^2/NDF:23.3/32

Out: -0.000+/-0.000 χ^2/NDF:50.7/37

All: -0.000+/-0.000 χ^2/NDF: 74.0/70



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:950169.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1175587.9/16

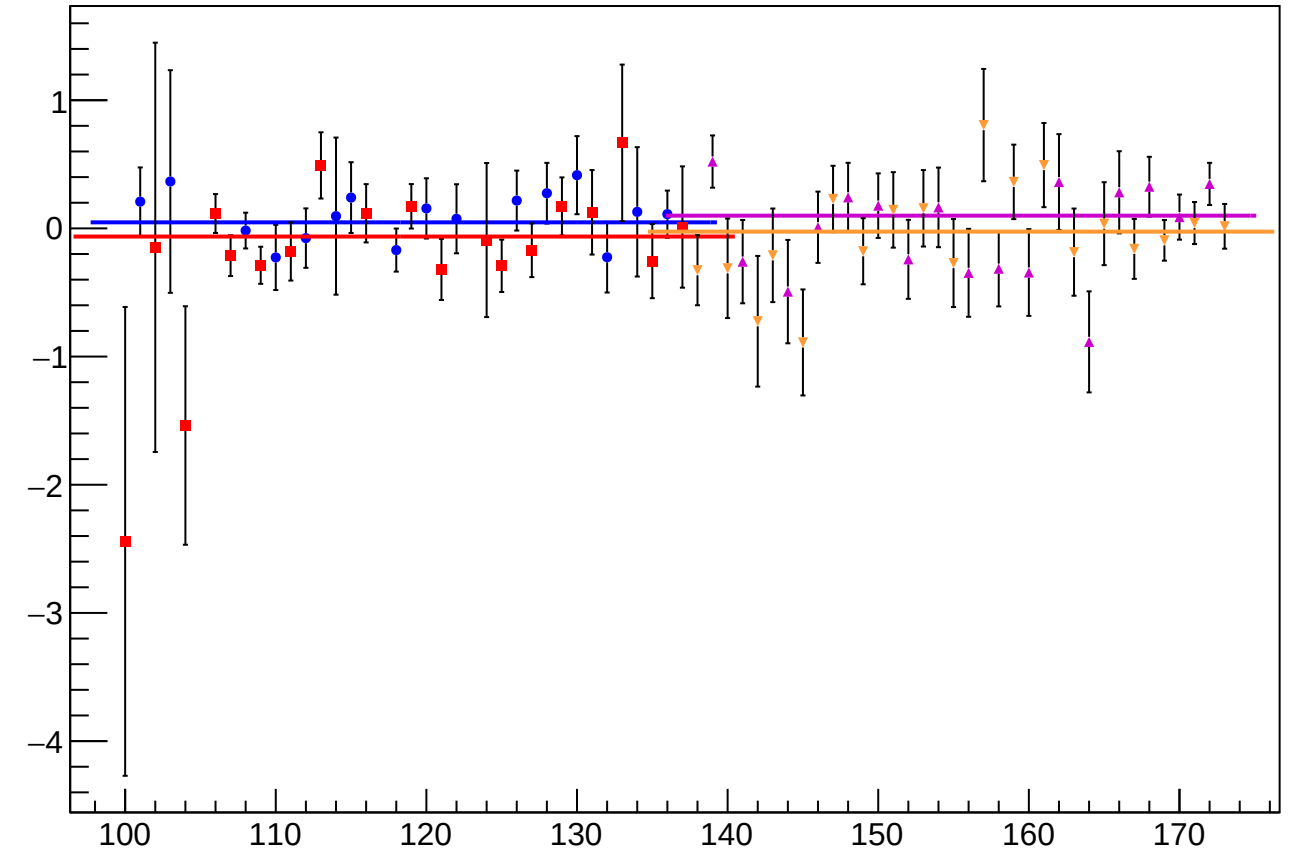
Left: 0.000+/-0.000 χ^2/NDF: 2126151.6/35

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:3073662.8/32

Out: 0.000+/-0.000 χ^2/NDF:3262789.0/37

All: 0.000+/-0.000 χ^2/NDF: 6338634.7/70



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.061 χ^2/NDF:19.7/18

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.099+/-0.064 χ^2/NDF:25.1/16

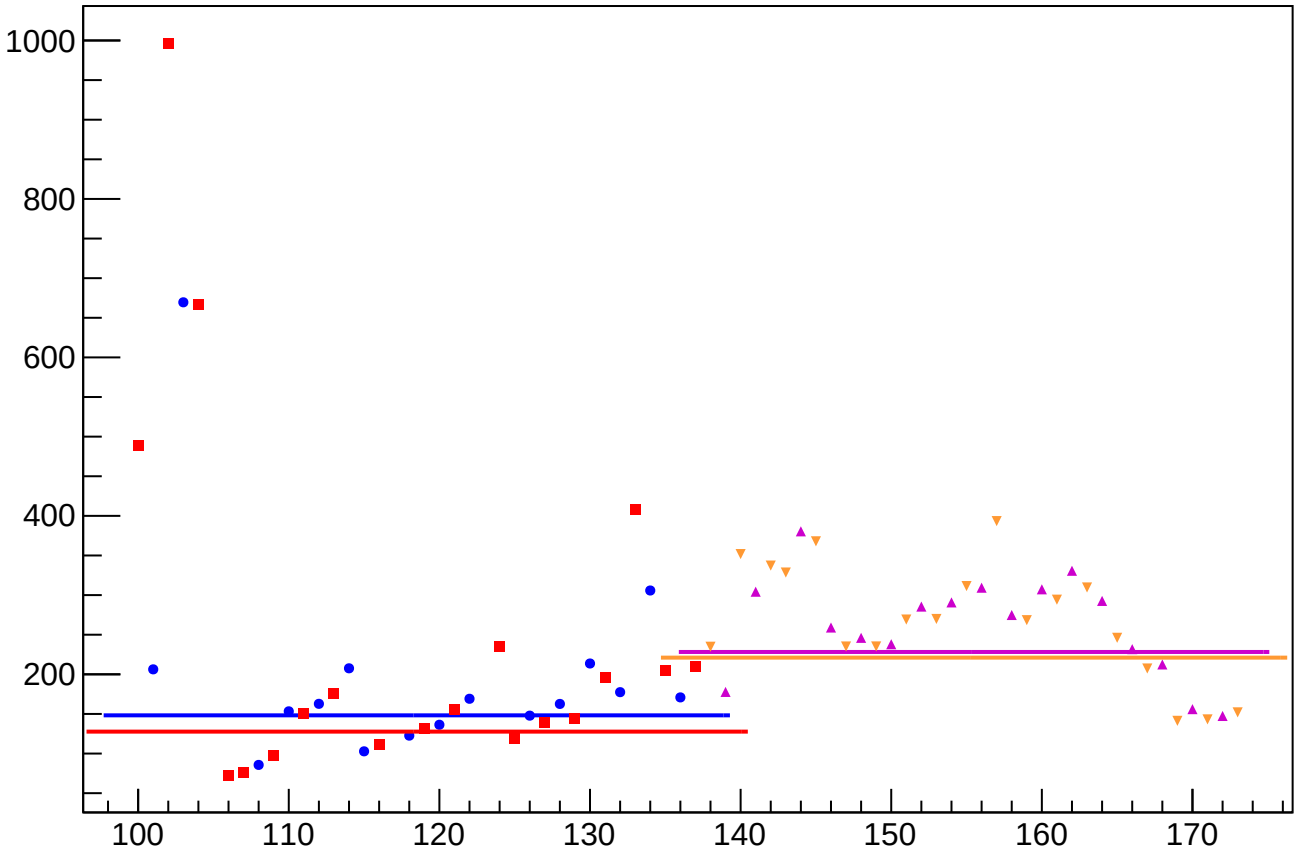
Left: 0.034+/-0.044 χ^2/NDF: 46.7/35

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.071+/-0.044 χ^2/NDF:34.0/32

Out: -0.047+/-0.041 χ^2/NDF:42.1/37

All: 0.008+/-0.030 χ^2/NDF: 80.0/70



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 221.070+/-0.043 χ^2/NDF:2906136.3/18

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 228.217+/-0.045 χ^2/NDF:2006243.7/16

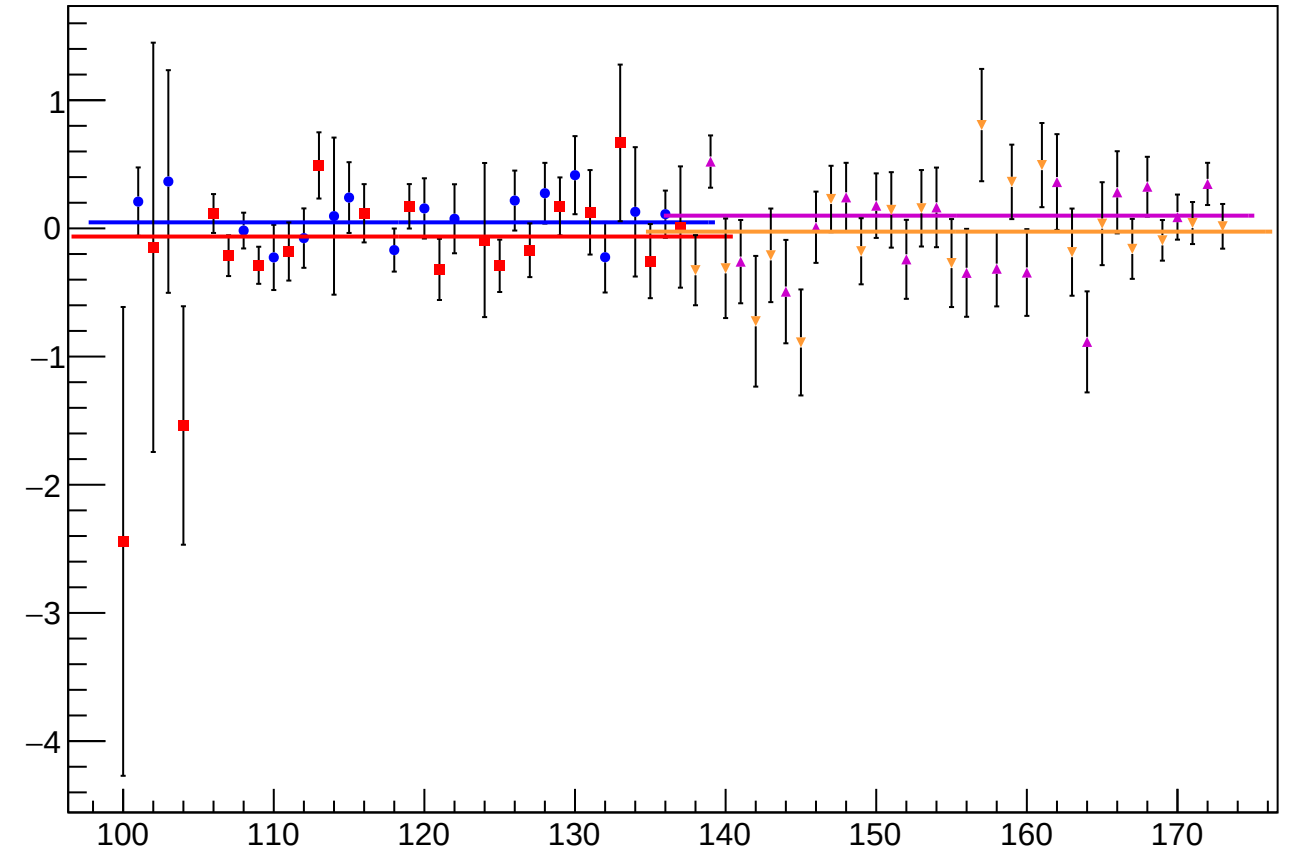
Left: 224.447+/-0.031 χ^2/NDF: 4925463.9/35

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 185.561+/-0.031 χ^2/NDF:5372917.5/32

Out: 169.481+/-0.029 χ^2/NDF:8360005.4/37

All: 176.911+/-0.021 χ^2/NDF: 13877677.6/70



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.061 χ^2/NDF:19.7/18

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.099+/-0.064 χ^2/NDF:25.1/16

Left: 0.034+/-0.044 χ^2/NDF: 46.7/35

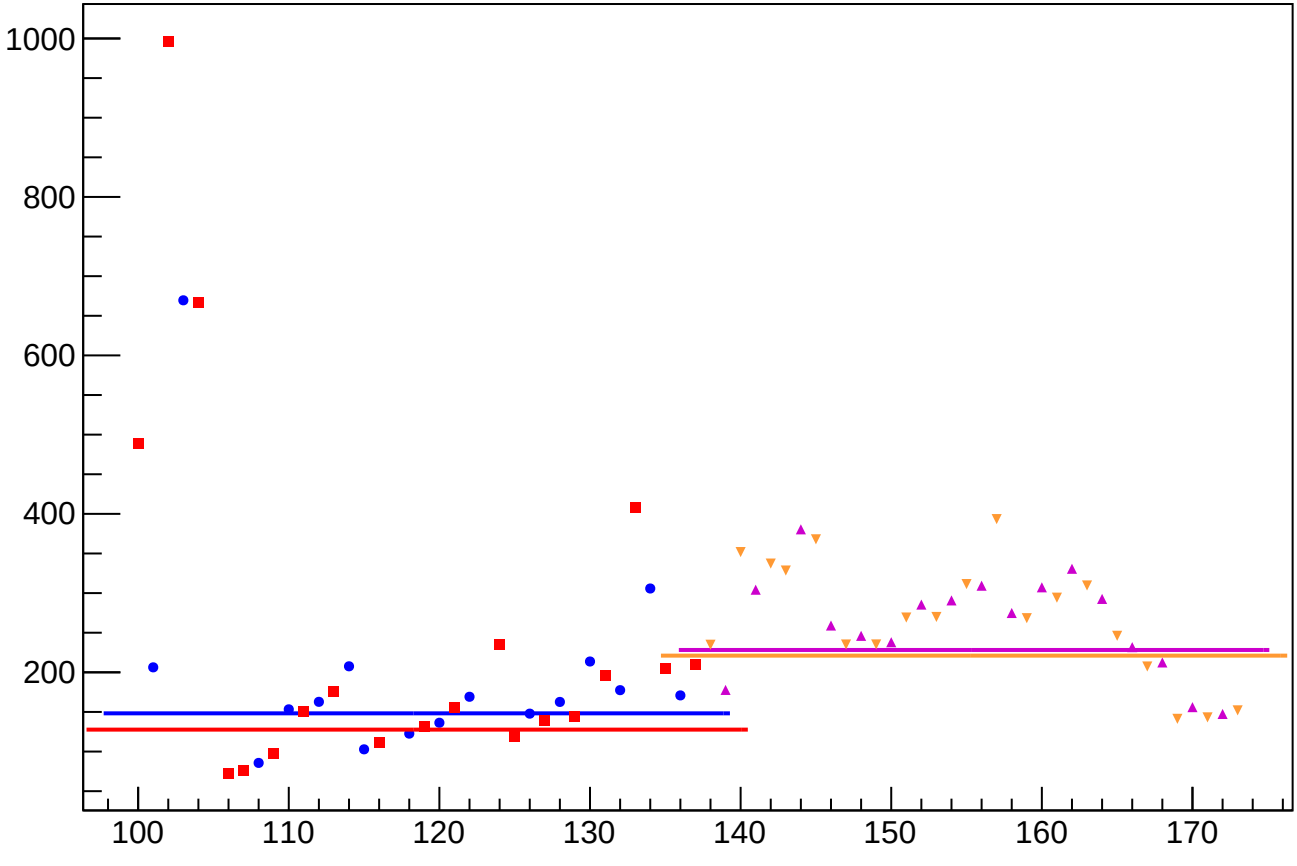
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.071+/-0.044 χ^2/NDF:34.0/32

Out: -0.047+/-0.041 χ^2/NDF:42.1/37

All: 0.008+/-0.030 χ^2/NDF: 80.0/70

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: 221.070+/-0.043 χ^2/NDF:2906136.3/18

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 228.217+/-0.045 χ^2/NDF:2006243.7/16

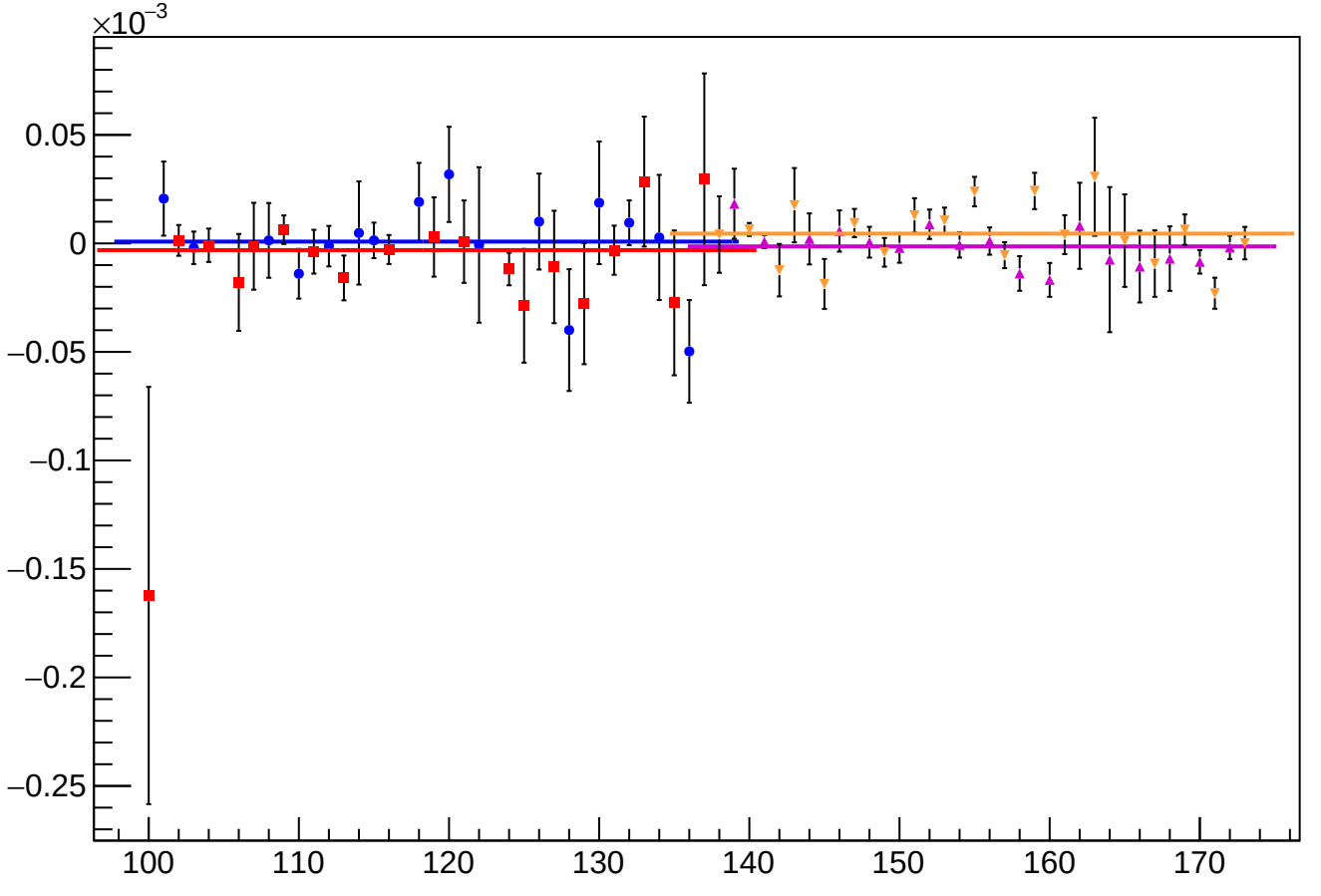
Left: 224.447+/-0.031 χ^2/NDF: 4925463.9/35

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 185.561+/-0.031 χ^2/NDF:5372917.5/32

Out: 169.481+/-0.029 χ^2/NDF:8360005.4/37

All: 176.911+/-0.021 χ^2/NDF: 13877677.6/70



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.7/18

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:14.0/16

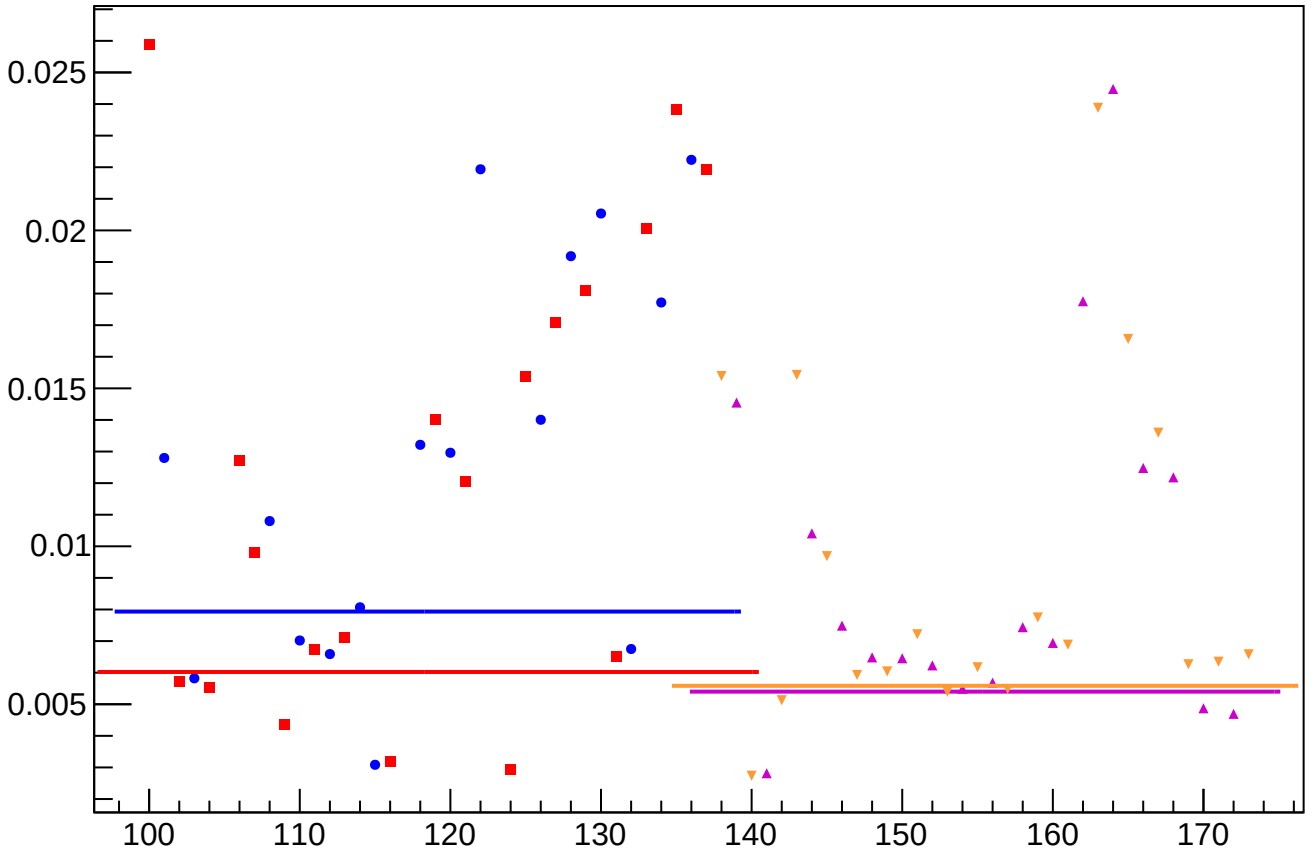
Left: 0.000+/-0.000 χ^2/NDF: 64.9/35

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:28.5/32

Out: 0.000+/-0.000 χ^2/NDF:63.3/37

All: 0.000+/-0.000 χ^2/NDF: 94.5/70



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.006+/-0.000 χ^2/NDF:5705431.9/18

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.005+/-0.000 χ^2/NDF:5184782.6/16

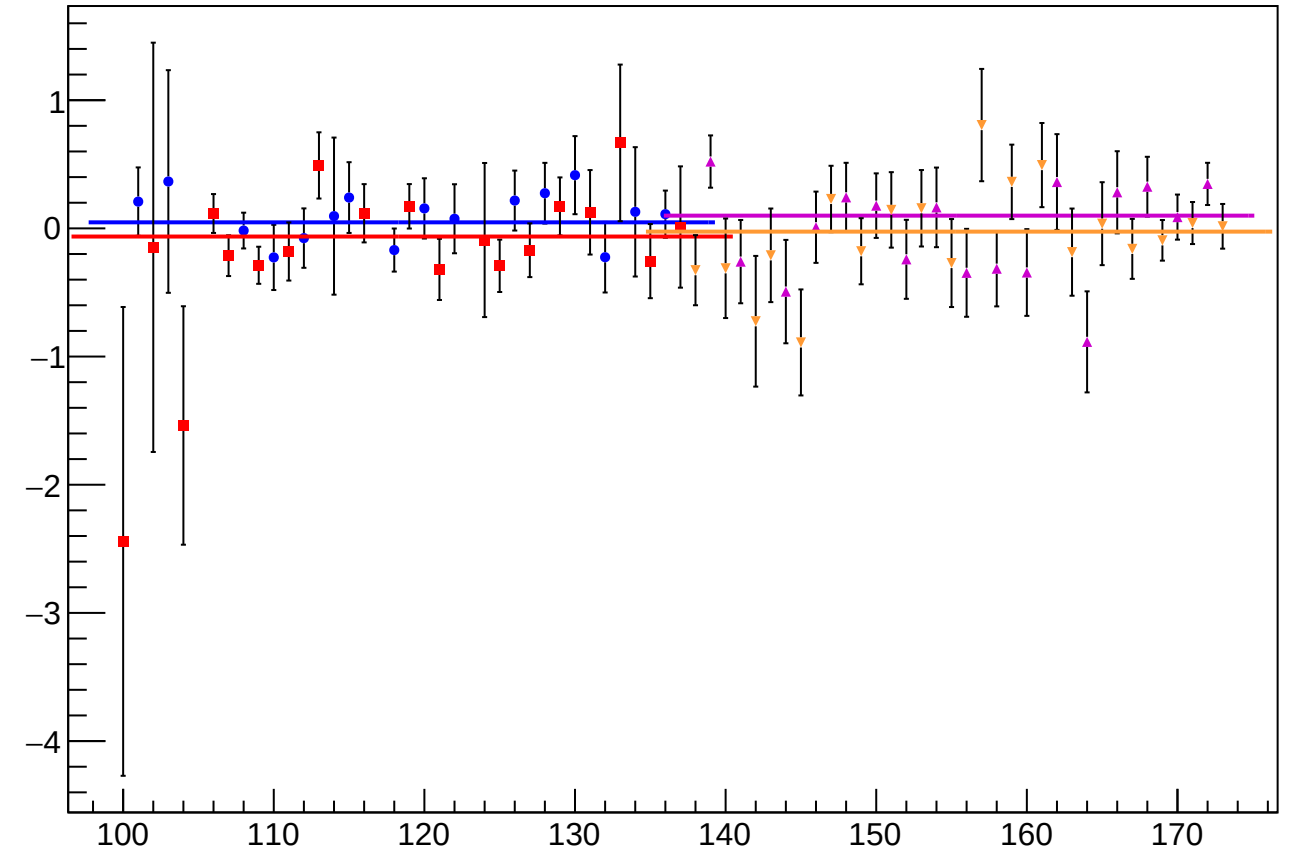
Left: 0.005+/-0.000 χ^2/NDF: 10902620.1/35

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:9634214.6/32

Out: 0.006+/-0.000 χ^2/NDF:9754557.7/37

All: 0.006+/-0.000 χ^2/NDF: 19401808.1/70



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.061 χ^2/NDF:19.7/18

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.099+/-0.064 χ^2/NDF:25.1/16

Left: 0.034+/-0.044 χ^2/NDF: 46.7/35

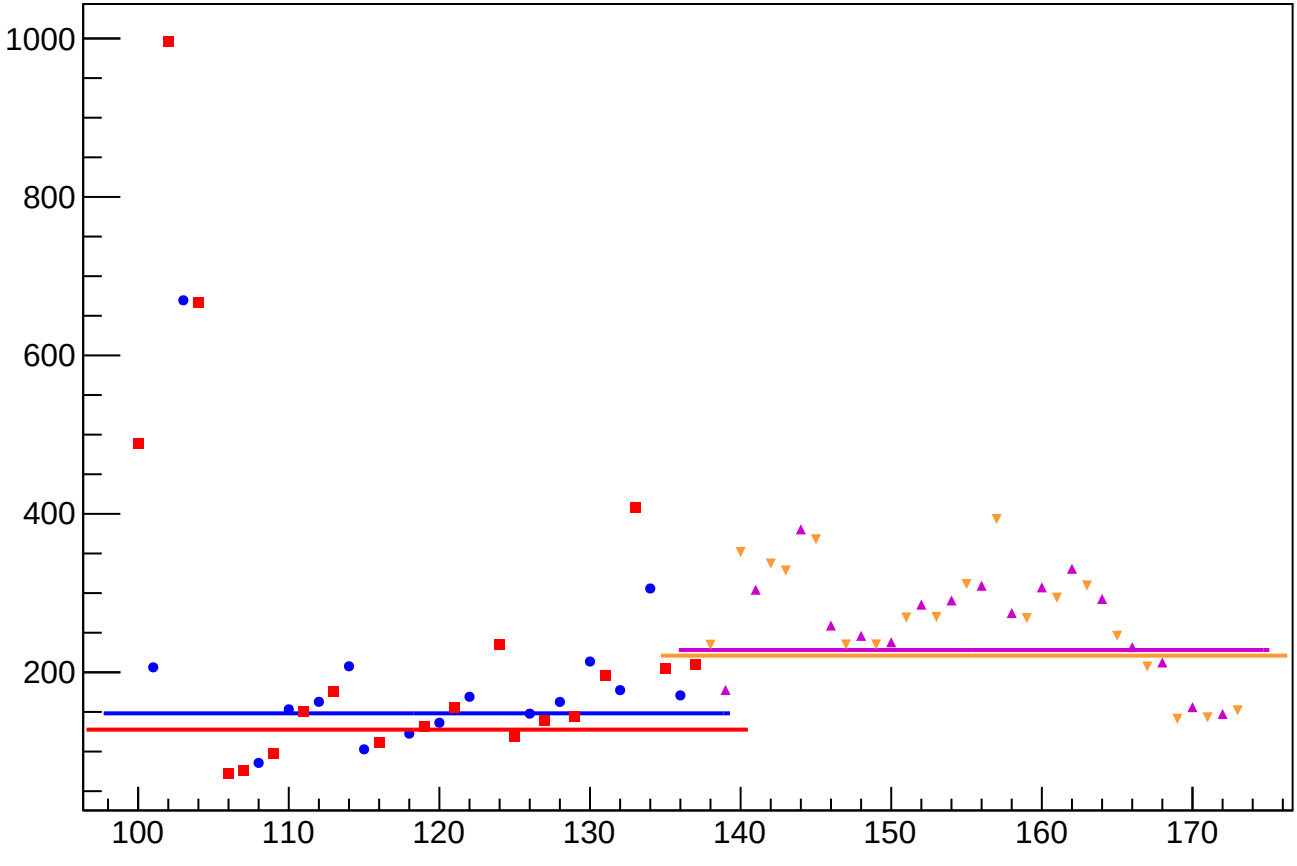
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.071+/-0.044 χ^2/NDF:34.0/32

Out: -0.047+/-0.041 χ^2/NDF:42.1/37

All: 0.008+/-0.030 χ^2/NDF: 80.0/70

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: 221.071+/-0.043 χ^2/NDF:2906266.2/18

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 228.219+/-0.045 χ^2/NDF:2006269.9/16

Left: 224.448+/-0.031 χ^2/NDF: 4925625.0/35

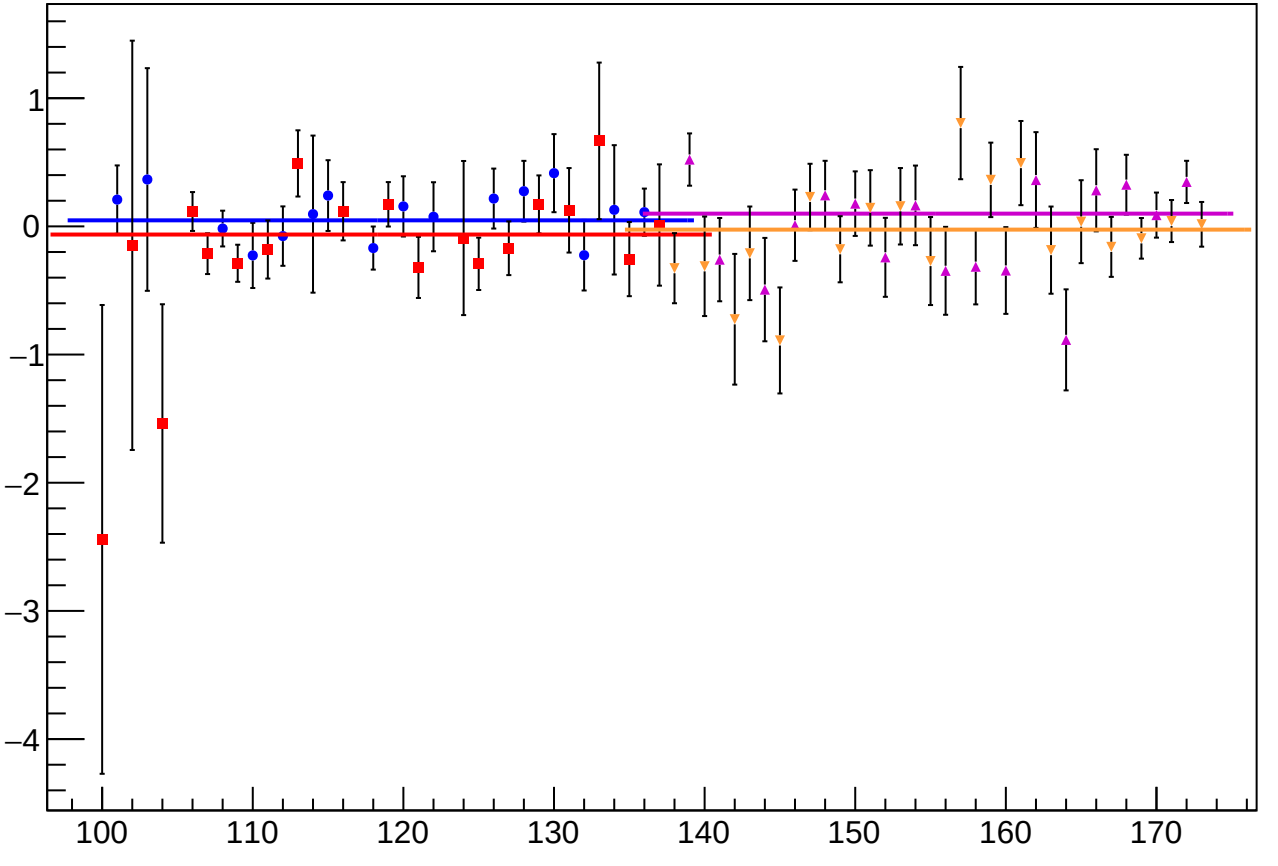
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 185.560+/-0.031 χ^2/NDF:5373216.7/32

Out: 169.481+/-0.029 χ^2/NDF:8360151.1/37

All: 176.911+/-0.021 χ^2/NDF: 13878098.4/70

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: -0.025+/-0.061 χ^2/NDF:19.7/18

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.099+/-0.064 χ^2/NDF:25.1/16

Left: 0.034+/-0.044 χ^2/NDF: 46.7/35

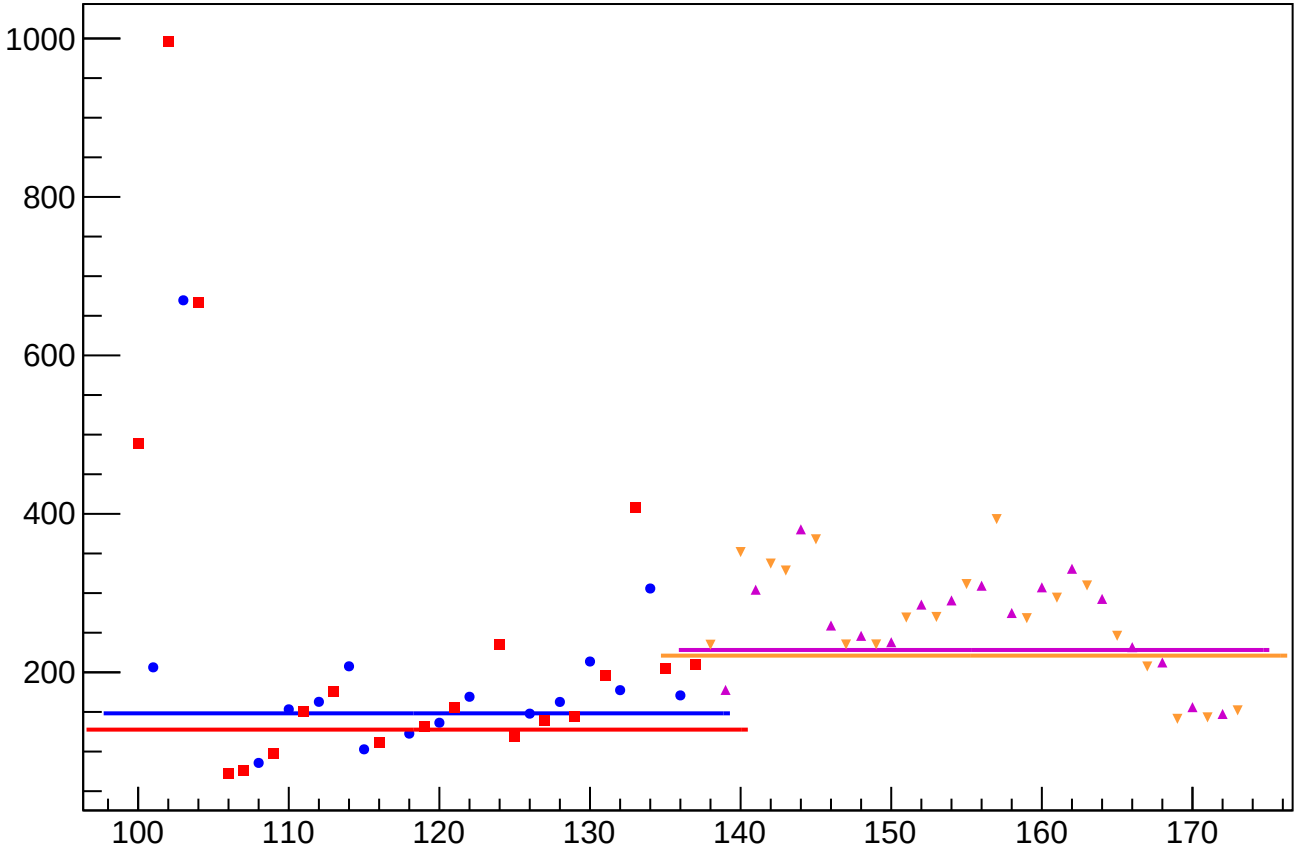
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.071+/-0.044 χ^2/NDF:34.0/32

Out: -0.047+/-0.041 χ^2/NDF:42.1/37

All: 0.008+/-0.030 χ^2/NDF: 80.0/70

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 221.071+/-0.043 χ^2/NDF:2906266.2/18

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 228.219+/-0.045 χ^2/NDF:2006269.9/16

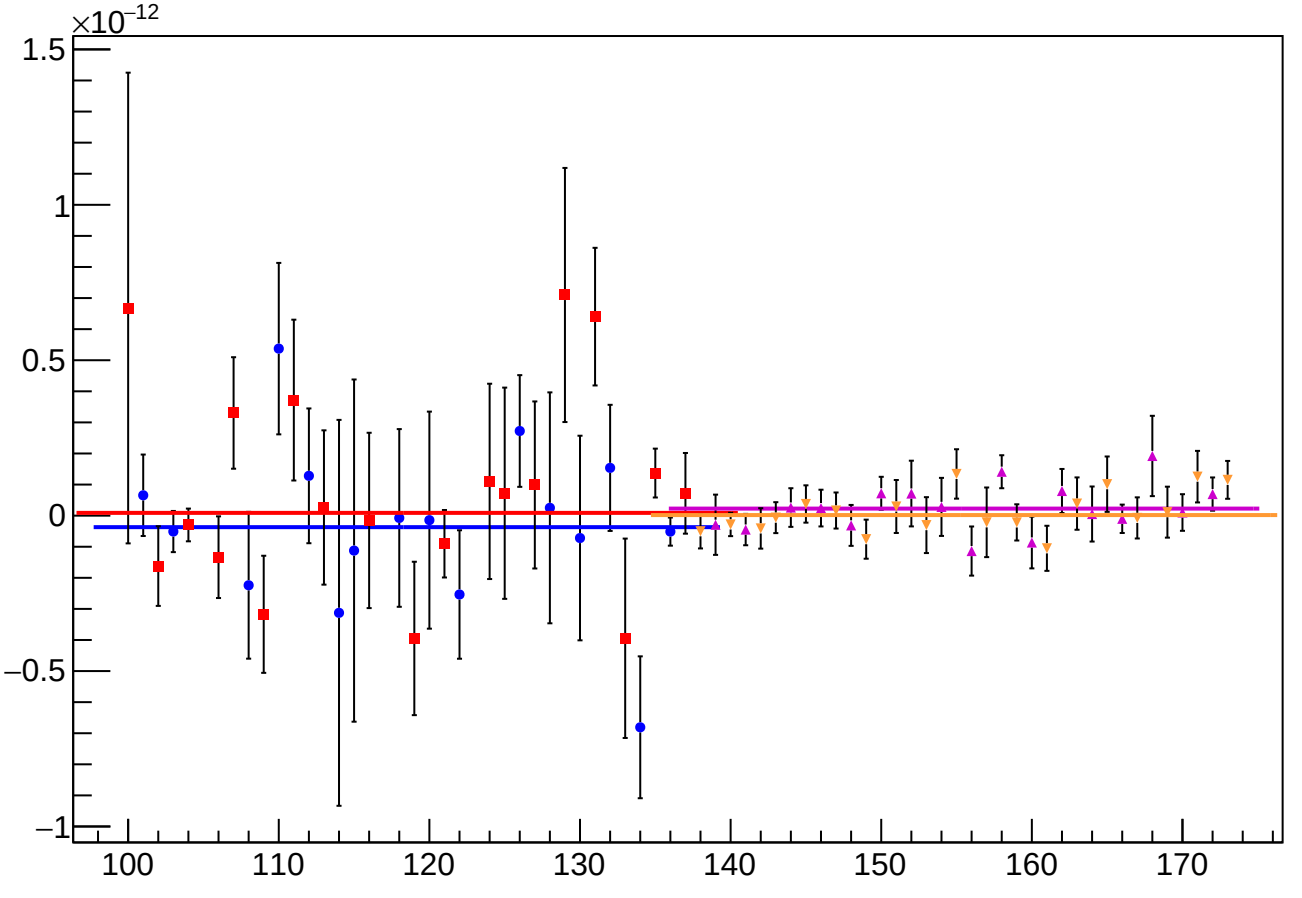
Left: 224.448+/-0.031 χ^2/NDF: 4925625.0/35

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 185.560+/-0.031 χ^2/NDF:5373216.7/32

Out: 169.481+/-0.029 χ^2/NDF:8360151.1/37

All: 176.911+/-0.021 χ^2/NDF: 13878098.4/70



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:17.3/16

Left: 0.000+/-0.000 χ^2/NDF: 34.6/35

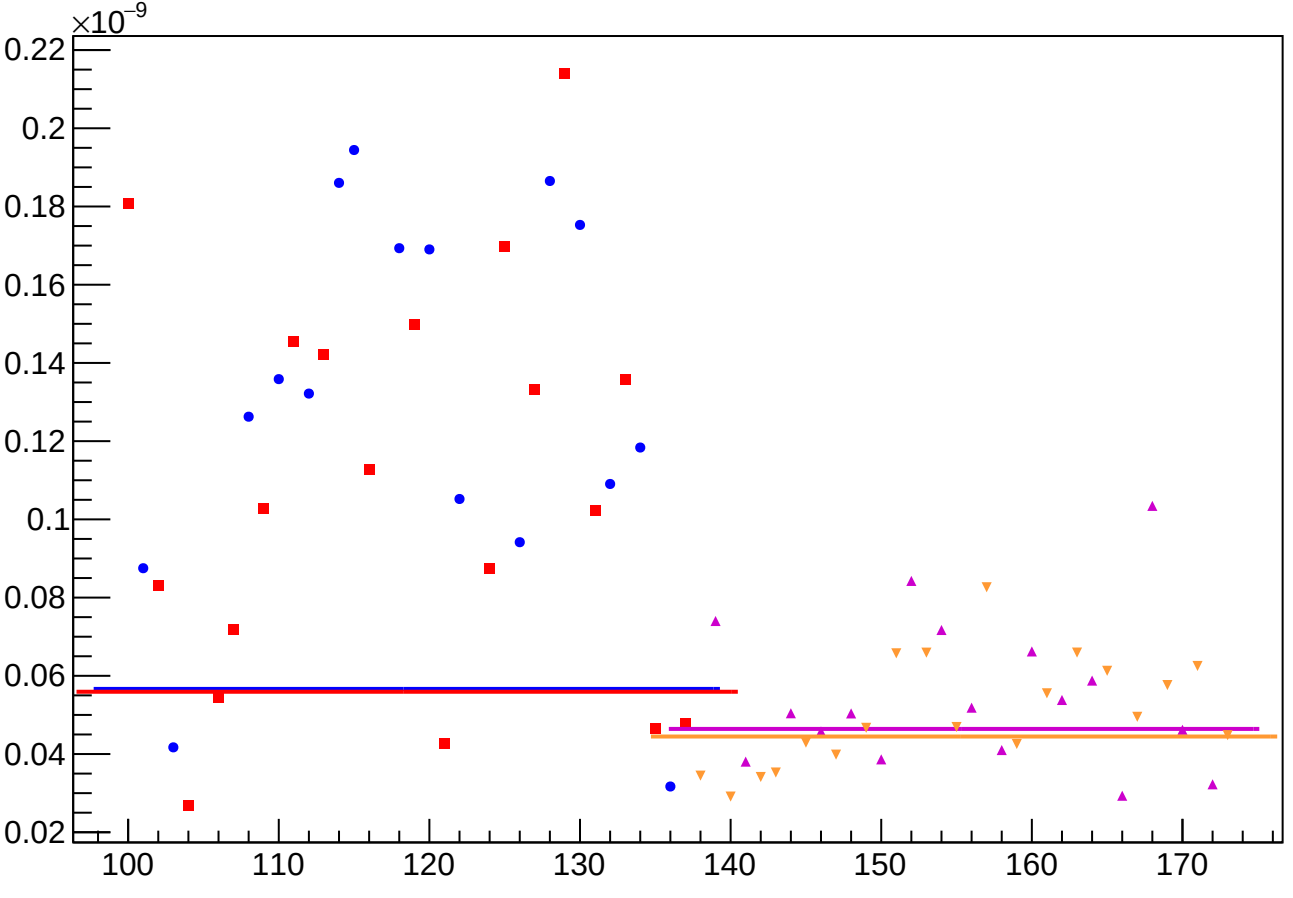
Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: 0.000+/-0.000 χ^2/NDF:39.5/32

Out: 0.000+/-0.000 χ^2/NDF:48.3/37

All: 0.000+/-0.000 χ^2/NDF: 87.9/70

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1414005.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1693588.6/16

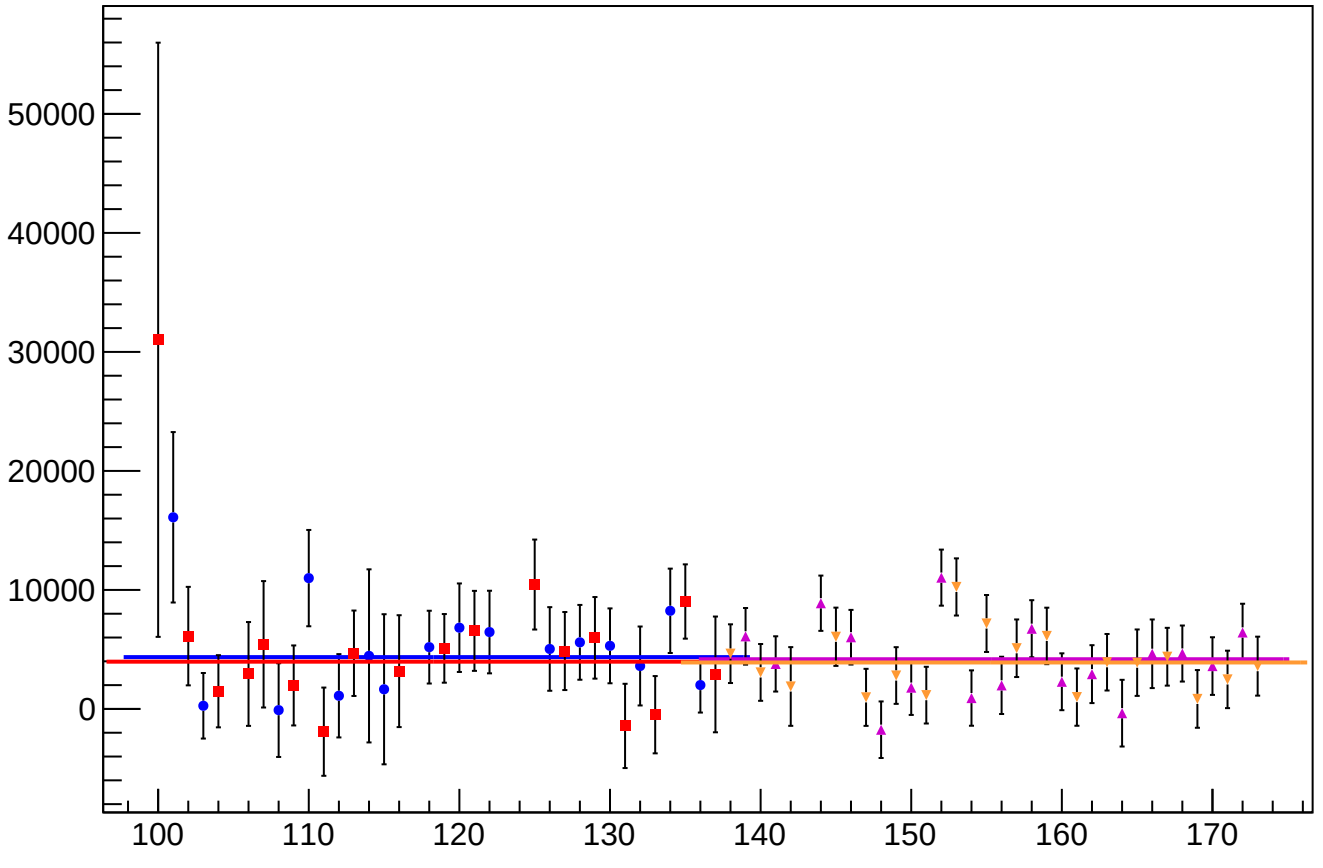
Left: 0.000+/-0.000 χ^2/NDF: 3123678.3/35

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:4969792.6/32

Out: 0.000+/-0.000 χ^2/NDF:4357567.7/37

All: 0.000+/-0.000 χ^2/NDF: 9346473.0/70



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3904.279+/-579.913 χ^2/NDF:17.8/17

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 4175.577+/-584.201 χ^2/NDF:29.6/16

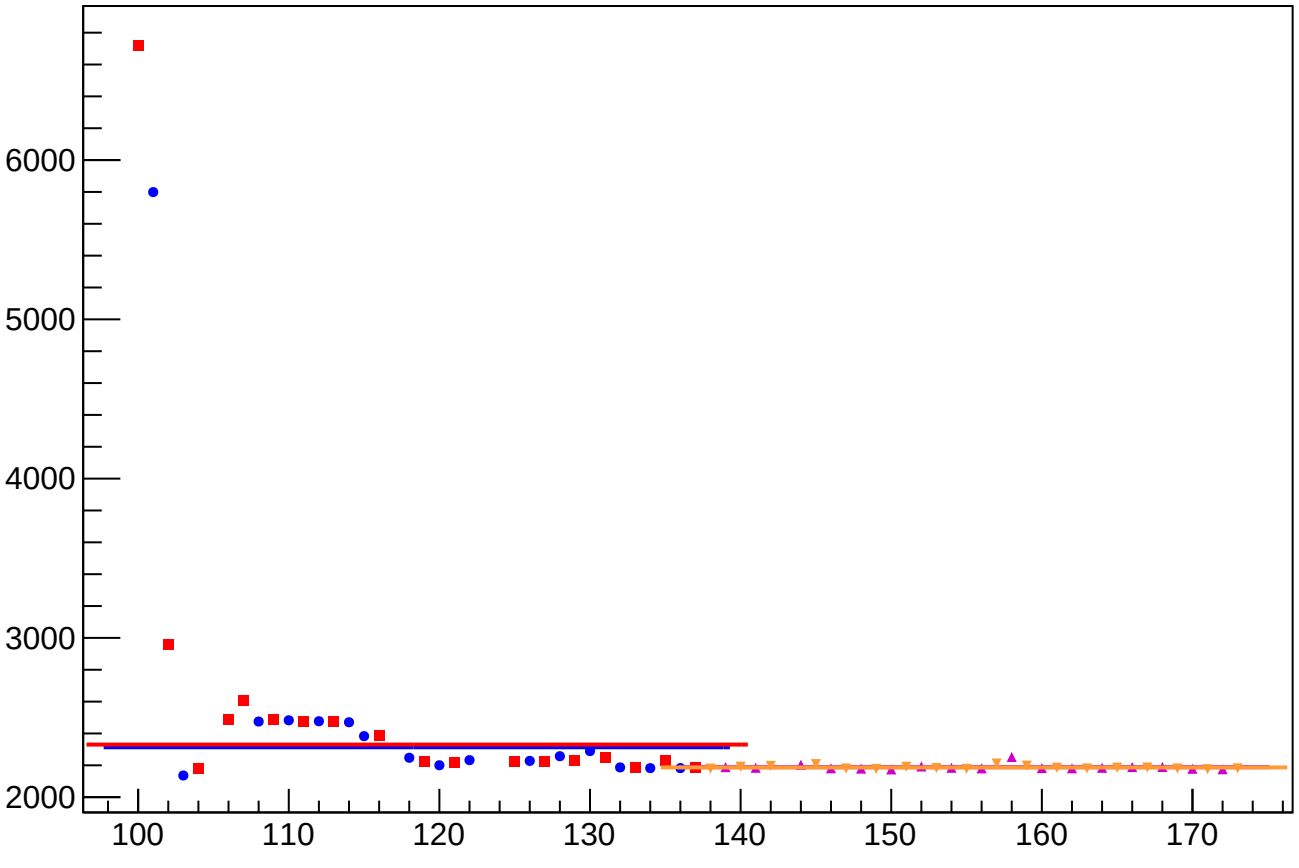
Left: 4038.929+/-411.568 χ^2/NDF: 47.6/34

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4230.684+/-485.889 χ^2/NDF:43.0/32

Out: 3924.970+/-482.761 χ^2/NDF:34.0/35

All: 4076.840+/-342.464 χ^2/NDF: 77.3/68



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2186.608+/-0.410 χ^2/NDF:606.0/17

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2188.539+/-0.413 χ^2/NDF:1808.3/16

Left: 2187.566+/-0.291 χ^2/NDF: 2425.3/34

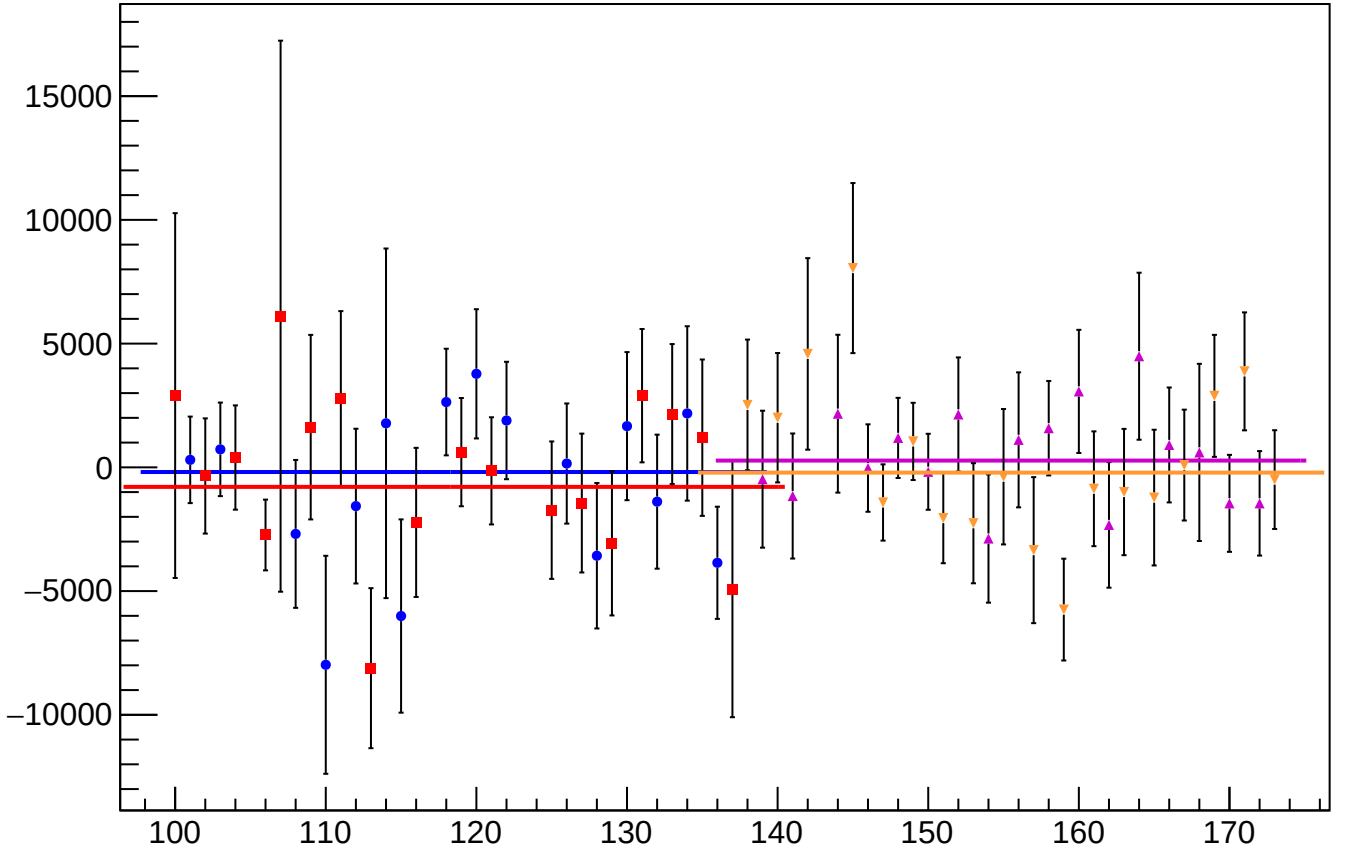
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2227.031+/-0.344 χ^2/NDF:542348.1/32

Out: 2230.690+/-0.341 χ^2/NDF:189460.1/35

All: 2228.872+/-0.242 χ^2/NDF: 731865.3/68

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: -212.480+/-535.152 χ^2/NDF:25.4/17

Right Out: -789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: 273.921+/-541.447 χ^2/NDF:9.3/16

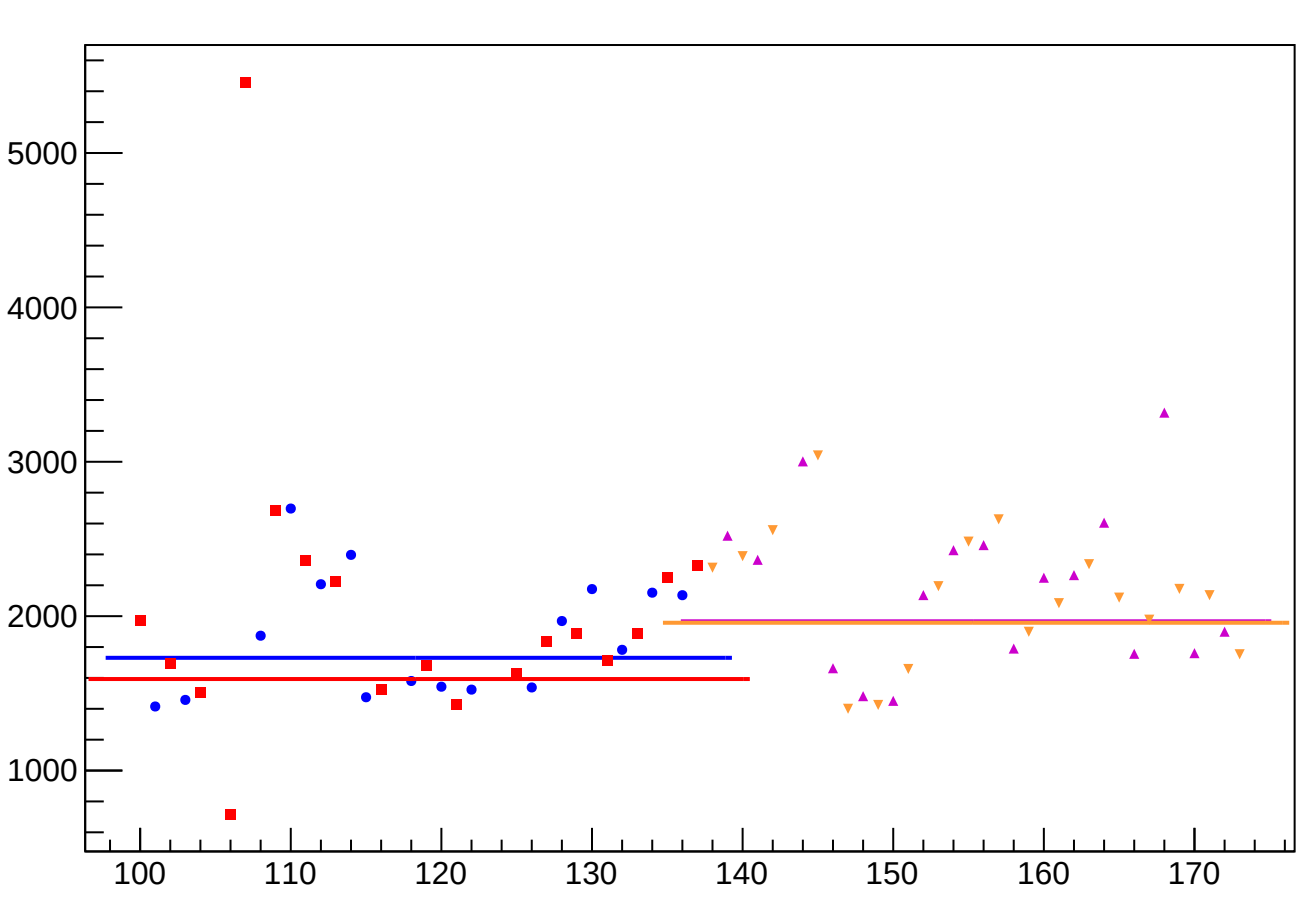
Left: 27.876+/-380.616 χ^2/NDF: 35.0/34

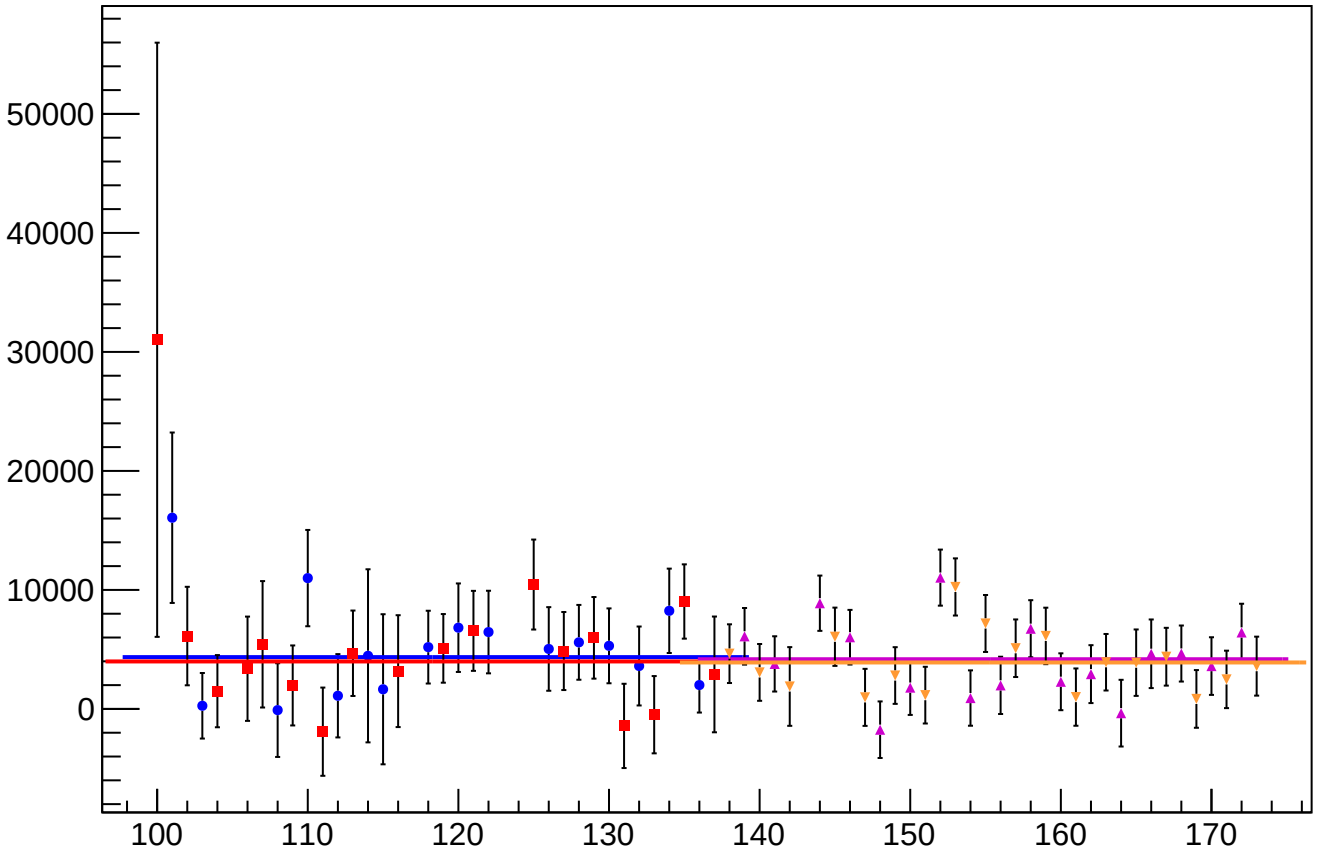
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: 87.273+/-418.181 χ^2/NDF:26.0/32

Out: -452.077+/-409.185 χ^2/NDF:40.7/35

All: -188.266+/-292.466 χ^2/NDF: 67.6/68


asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 1730.288+/-0.466 χ²/NDF: 478932.0/15
Left Out: 1957.355+/-0.378 χ²/NDF:1188762.1/17
Right Out: 1592.824+/-0.449 χ²/NDF: 1556204.8/17
Left In: 1966.810+/-0.383 χ²/NDF:1412561.6/16
Left: 1962.027+/-0.269 χ²/NDF: 2601632.2/34
Right: 1659.066+/-0.323 χ²/NDF: 2080315.9/33
In: 1871.375+/-0.296 χ²/NDF:2045485.8/32
Out: 1805.942+/-0.289 χ²/NDF:3130422.2/35
All: 1837.947+/-0.207 χ²/NDF: 5200923.4/68



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3904.233+/-579.913 χ^2/NDF:17.8/17

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4175.662+/-584.201 χ^2/NDF:29.6/16

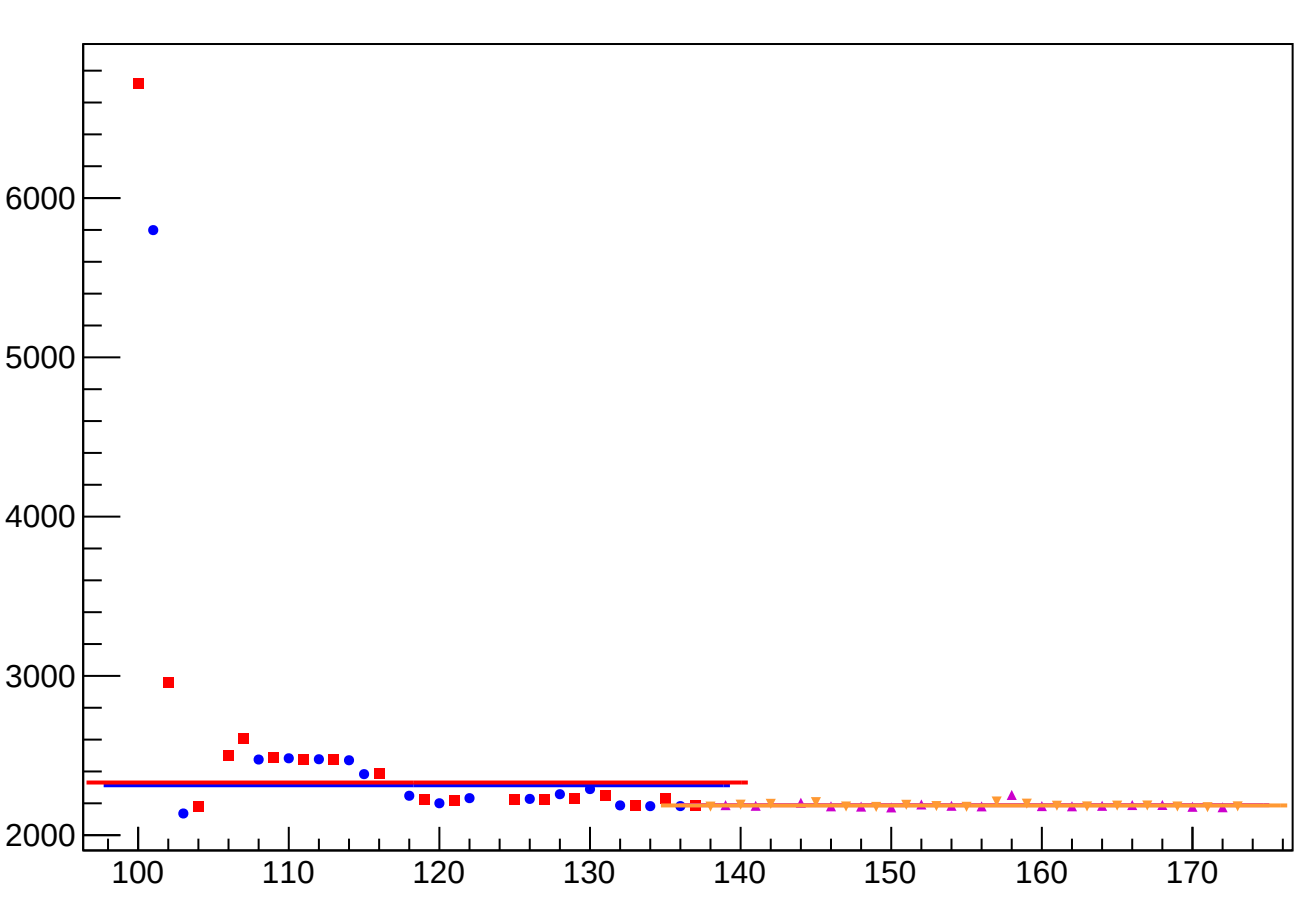
Left: 4038.947+/-411.568 χ^2/NDF: 47.6/34

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4230.533+/-485.889 χ^2/NDF:43.0/32

Out: 3930.521+/-482.787 χ^2/NDF:34.0/35

All: 4079.566+/-342.473 χ^2/NDF: 77.2/68



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.609+/-0.410 χ^2/NDF:606.0/17

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2188.539+/-0.413 χ^2/NDF:1808.3/16

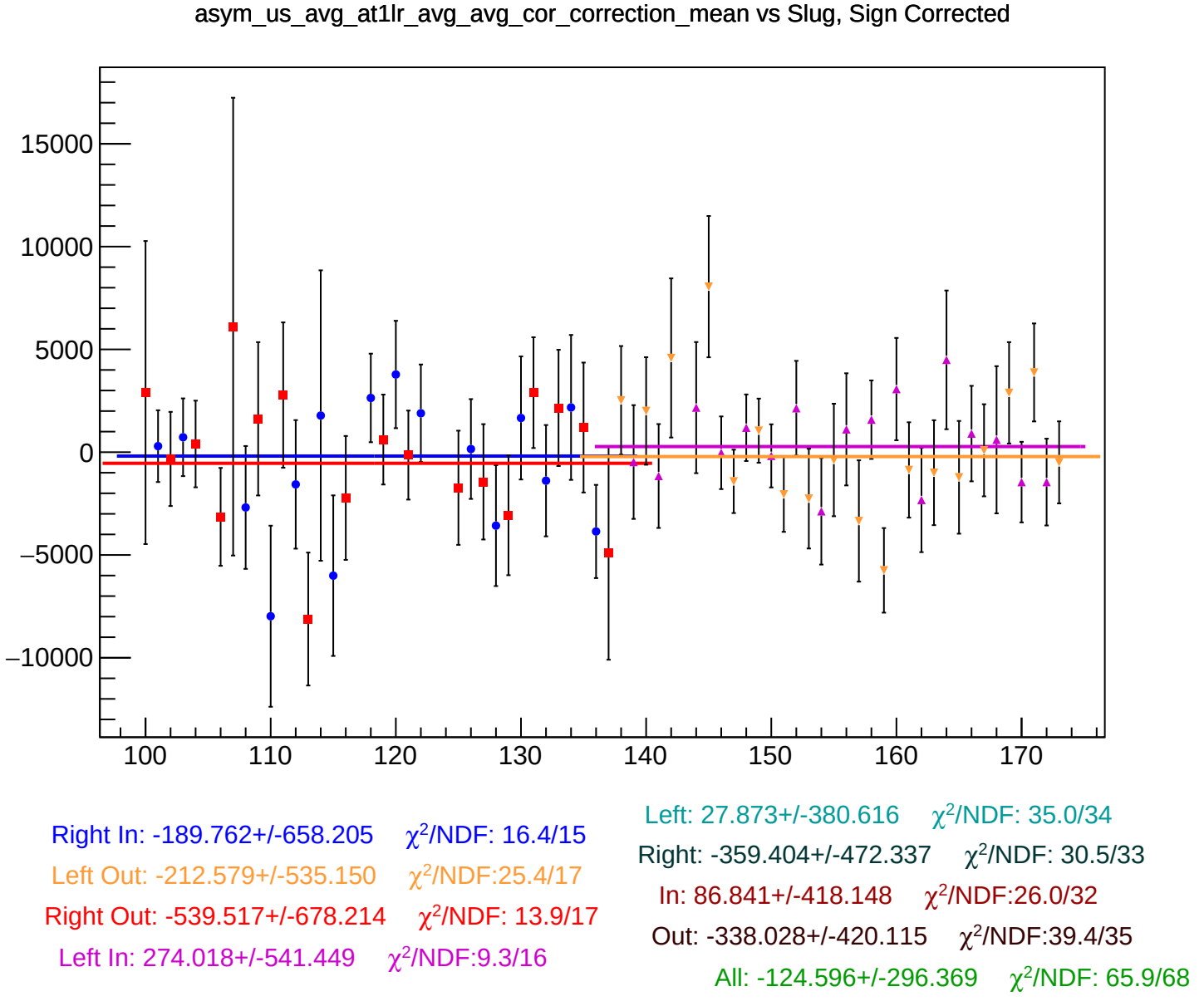
Left: 2187.566+/-0.291 χ^2/NDF: 2425.3/34

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

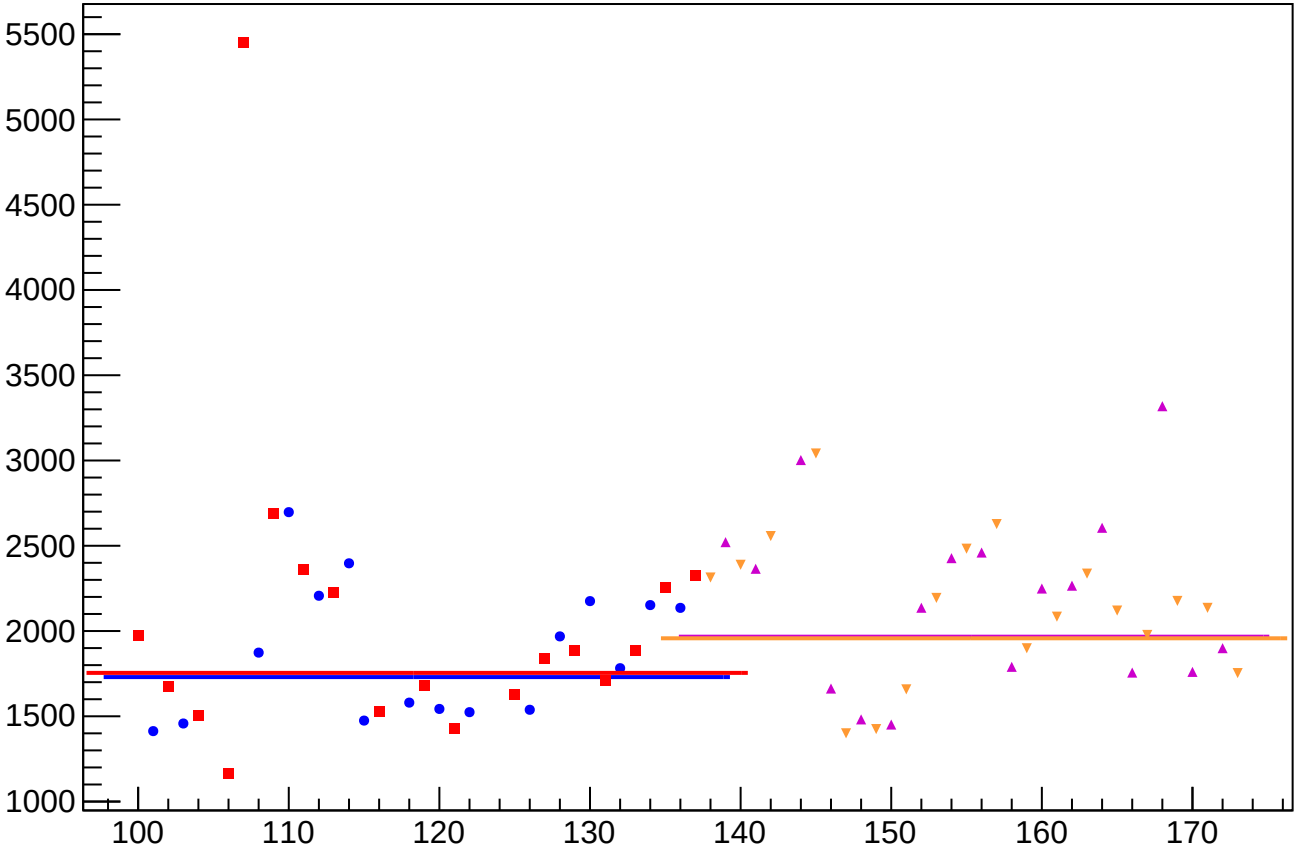
In: 2227.031+/-0.344 χ^2/NDF:542348.5/32

Out: 2230.793+/-0.341 χ^2/NDF:189991.1/35

All: 2228.924+/-0.242 χ^2/NDF: 732399.9/68


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -212.579+/-535.150 χ²/NDF:25.4/17
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 274.018+/-541.449 χ²/NDF:9.3/16
Left: 27.873+/-380.616 χ²/NDF: 35.0/34
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 86.841+/-418.148 χ²/NDF:26.0/32
Out: -338.028+/-420.115 χ²/NDF:39.4/35
All: -124.596+/-296.369 χ²/NDF: 65.9/68

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: 1957.350+/-0.378 χ^2/NDF:1188802.0/17

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1966.815+/-0.383 χ^2/NDF:1412584.5/16

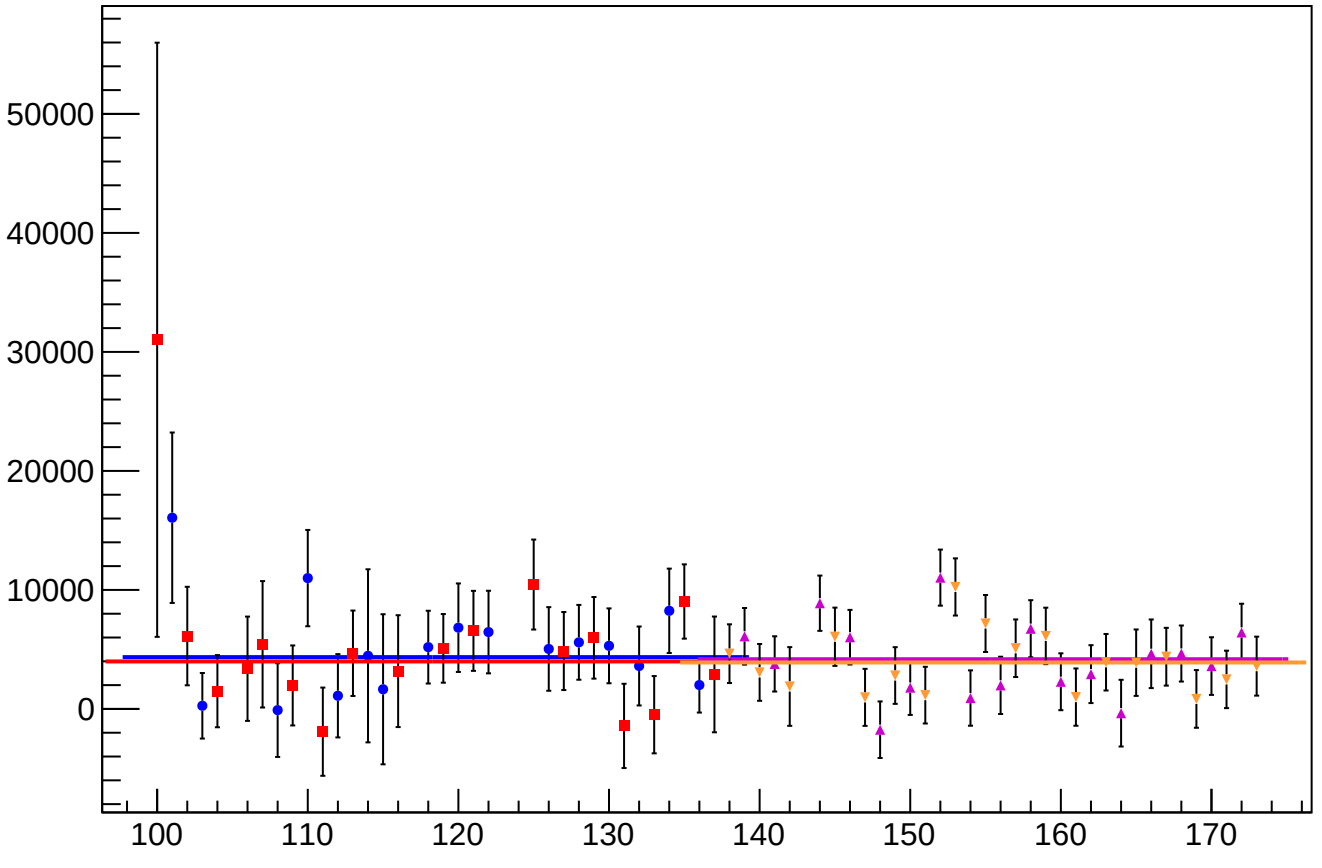
Left: 1962.027+/-0.269 χ^2/NDF: 2601695.6/34

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1871.198+/-0.296 χ^2/NDF:2047023.9/32

Out: 1879.524+/-0.297 χ^2/NDF:2050046.2/35

All: 1875.342+/-0.210 χ^2/NDF: 4097464.7/68



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3904.233+/-579.913 χ^2/NDF:17.8/17

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4175.662+/-584.201 χ^2/NDF:29.6/16

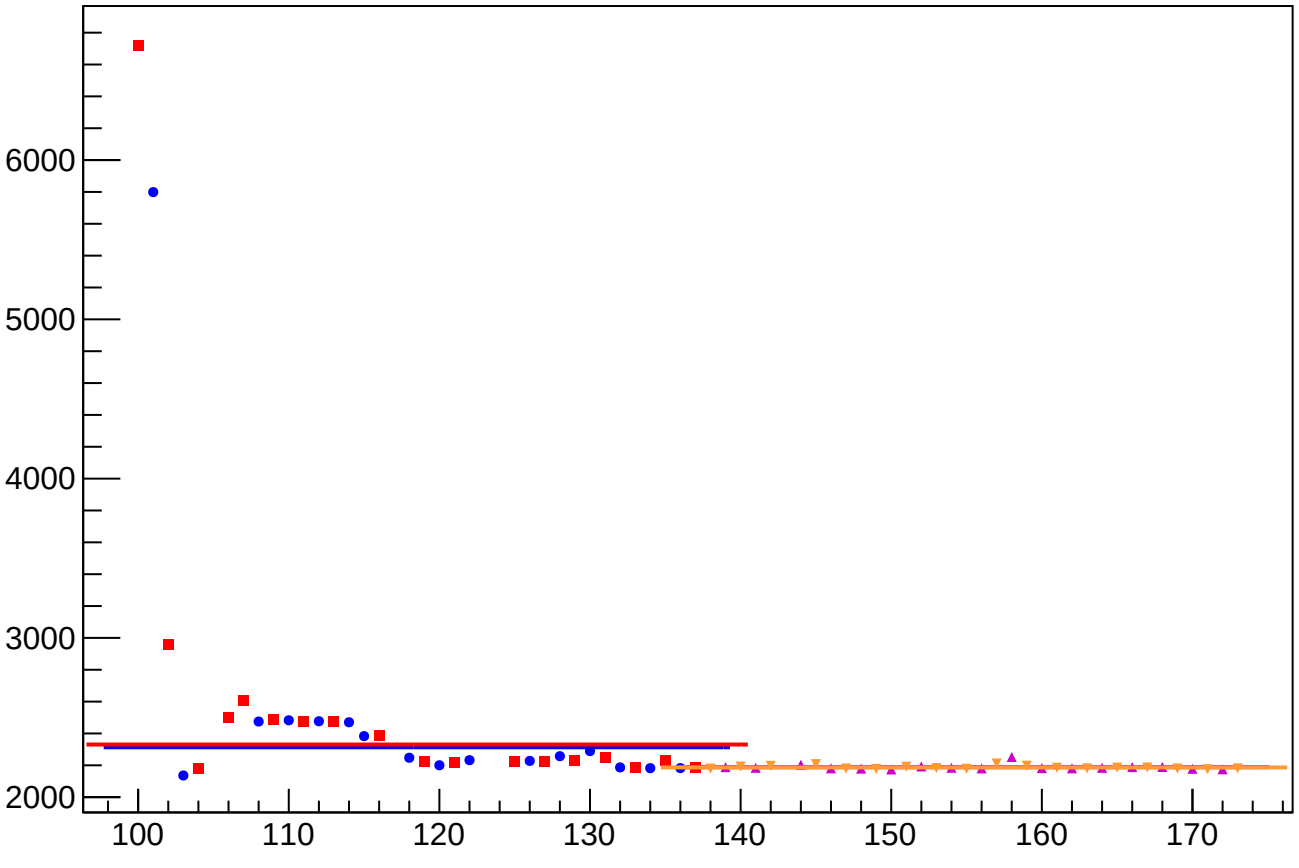
Left: 4038.947+/-411.568 χ^2/NDF: 47.6/34

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4230.533+/-485.889 χ^2/NDF:43.0/32

Out: 3930.521+/-482.787 χ^2/NDF:34.0/35

All: 4079.566+/-342.473 χ^2/NDF: 77.2/68



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.609+/-0.410 χ^2/NDF:606.0/17

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2188.539+/-0.413 χ^2/NDF:1808.3/16

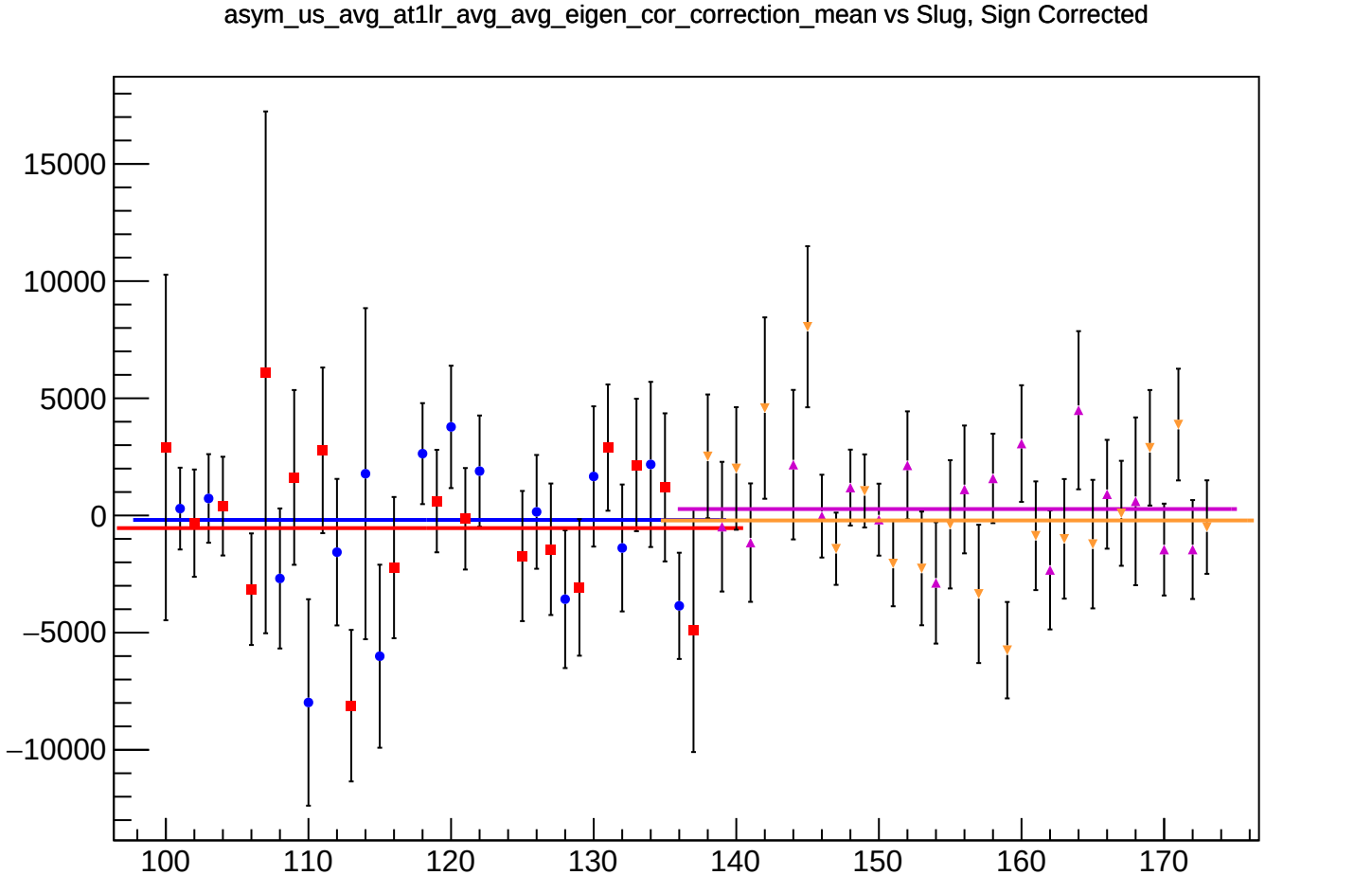
Left: 2187.566+/-0.291 χ^2/NDF: 2425.3/34

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2227.031+/-0.344 χ^2/NDF:542348.5/32

Out: 2230.793+/-0.341 χ^2/NDF:189991.1/35

All: 2228.924+/-0.242 χ^2/NDF: 732399.9/68


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
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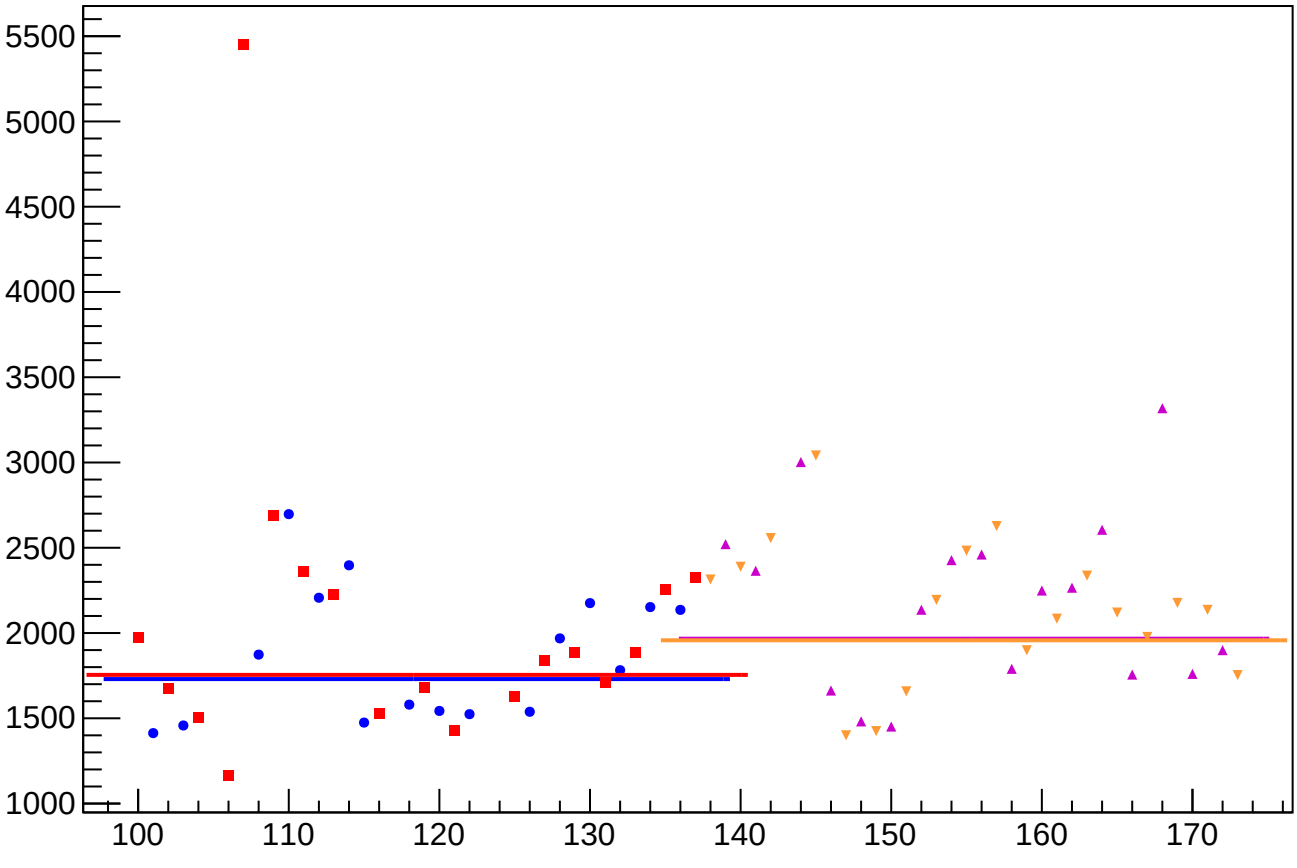
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -212.579+/-535.150 χ²/NDF:25.4/17
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 274.018+/-541.449 χ²/NDF:9.3/16
Left: 27.873+/-380.616 χ²/NDF: 35.0/34
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 86.841+/-418.148 χ²/NDF:26.0/32
Out: -338.028+/-420.115 χ²/NDF:39.4/35
All: -124.596+/-296.369 χ²/NDF: 65.9/68



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1957.350+/-0.378 χ^2/NDF:1188802.0/17

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1966.815+/-0.383 χ^2/NDF:1412584.5/16

Left: 1962.027+/-0.269 χ^2/NDF: 2601695.6/34

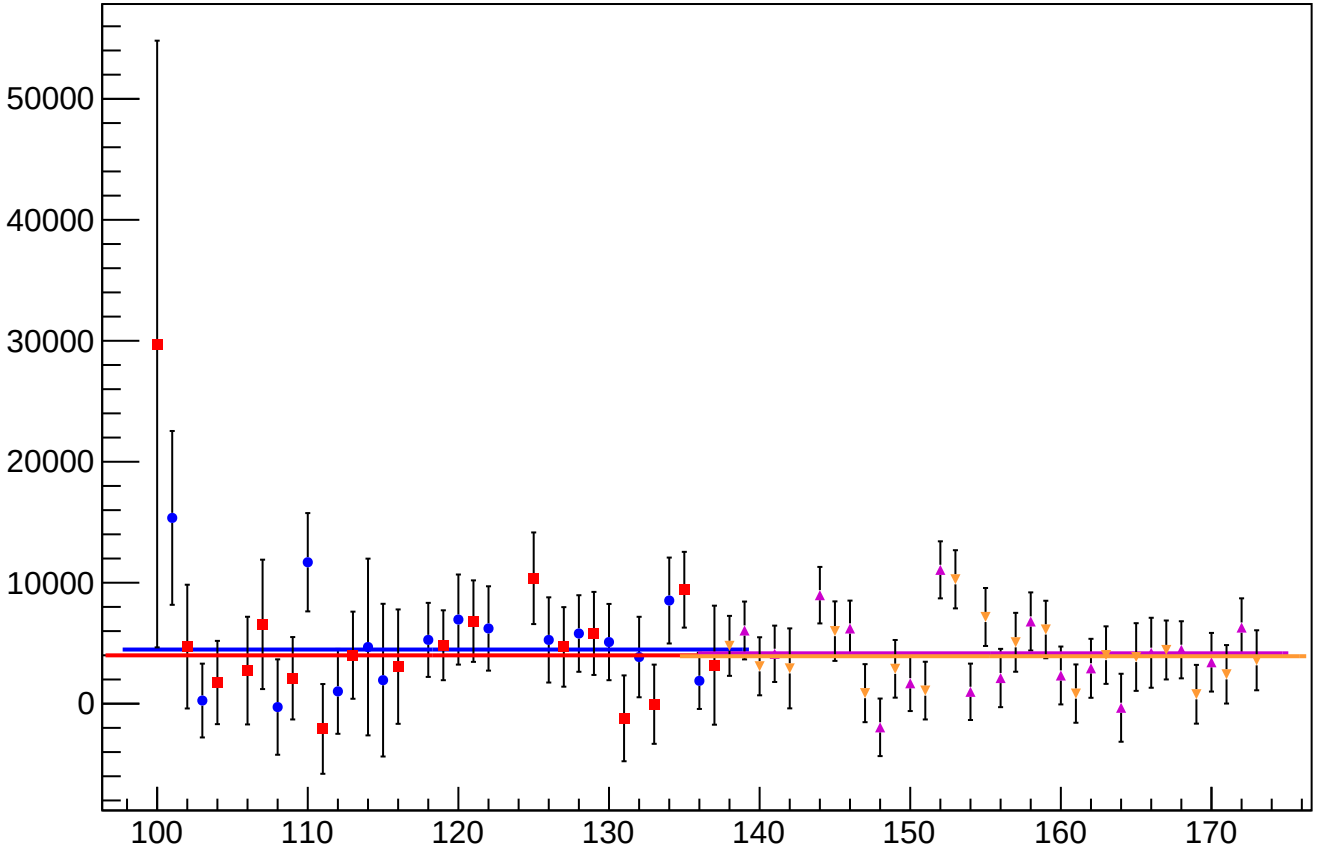
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1871.198+/-0.296 χ^2/NDF:2047023.9/32

Out: 1879.524+/-0.297 χ^2/NDF:2050046.2/35

All: 1875.342+/-0.210 χ^2/NDF: 4097464.7/68

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: 3924.173+/-581.263 χ^2/NDF:18.0/17

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 4164.094+/-585.512 χ^2/NDF:30.1/16

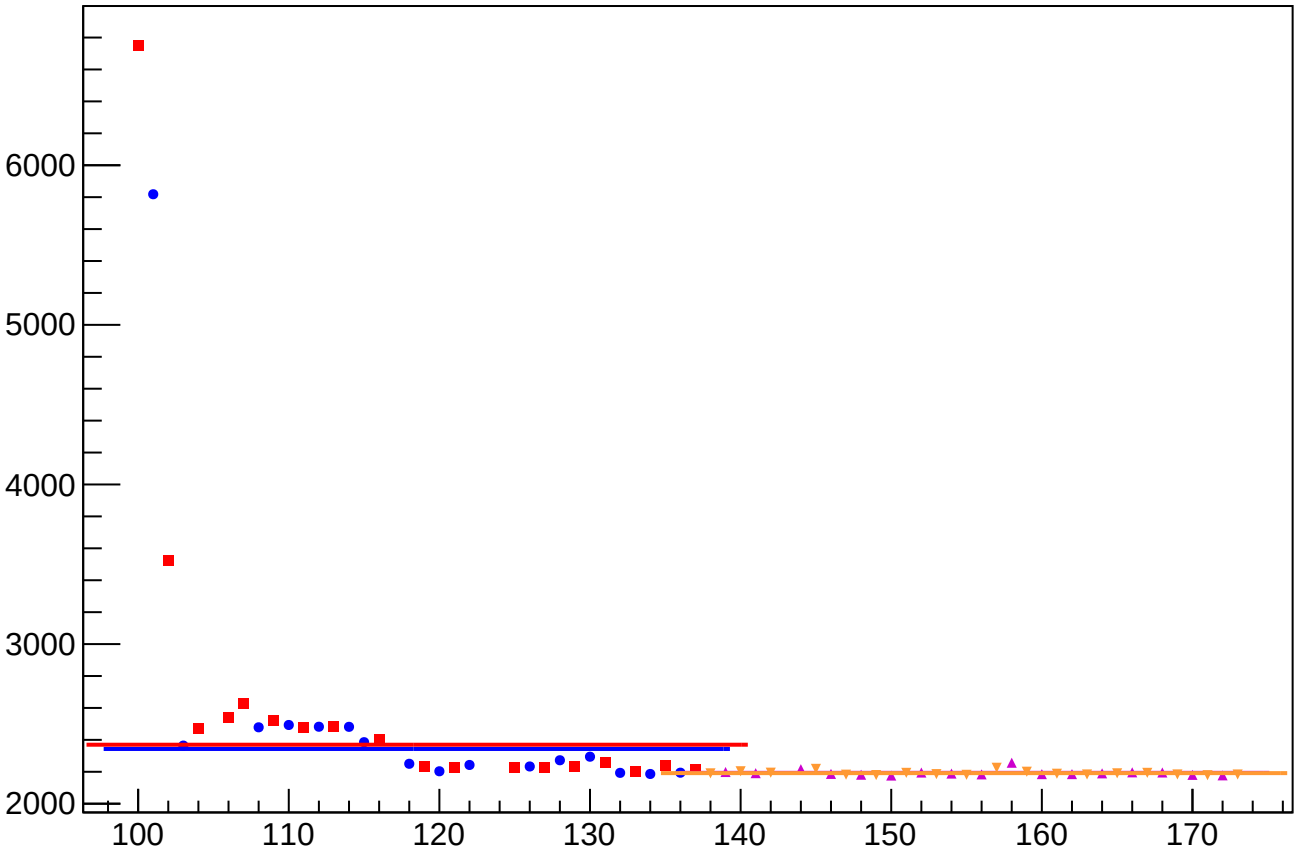
Left: 4043.260+/-412.509 χ^2/NDF: 48.1/34

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4259.022+/-488.498 χ^2/NDF:43.7/32

Out: 3945.577+/-486.737 χ^2/NDF:33.4/35

All: 4101.734+/-344.796 χ^2/NDF: 77.4/68



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.606+/-0.411 χ^2/NDF:964.3/17

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2193.389+/-0.414 χ^2/NDF:1995.7/16

Left: 2192.491+/-0.292 χ^2/NDF: 2969.4/34

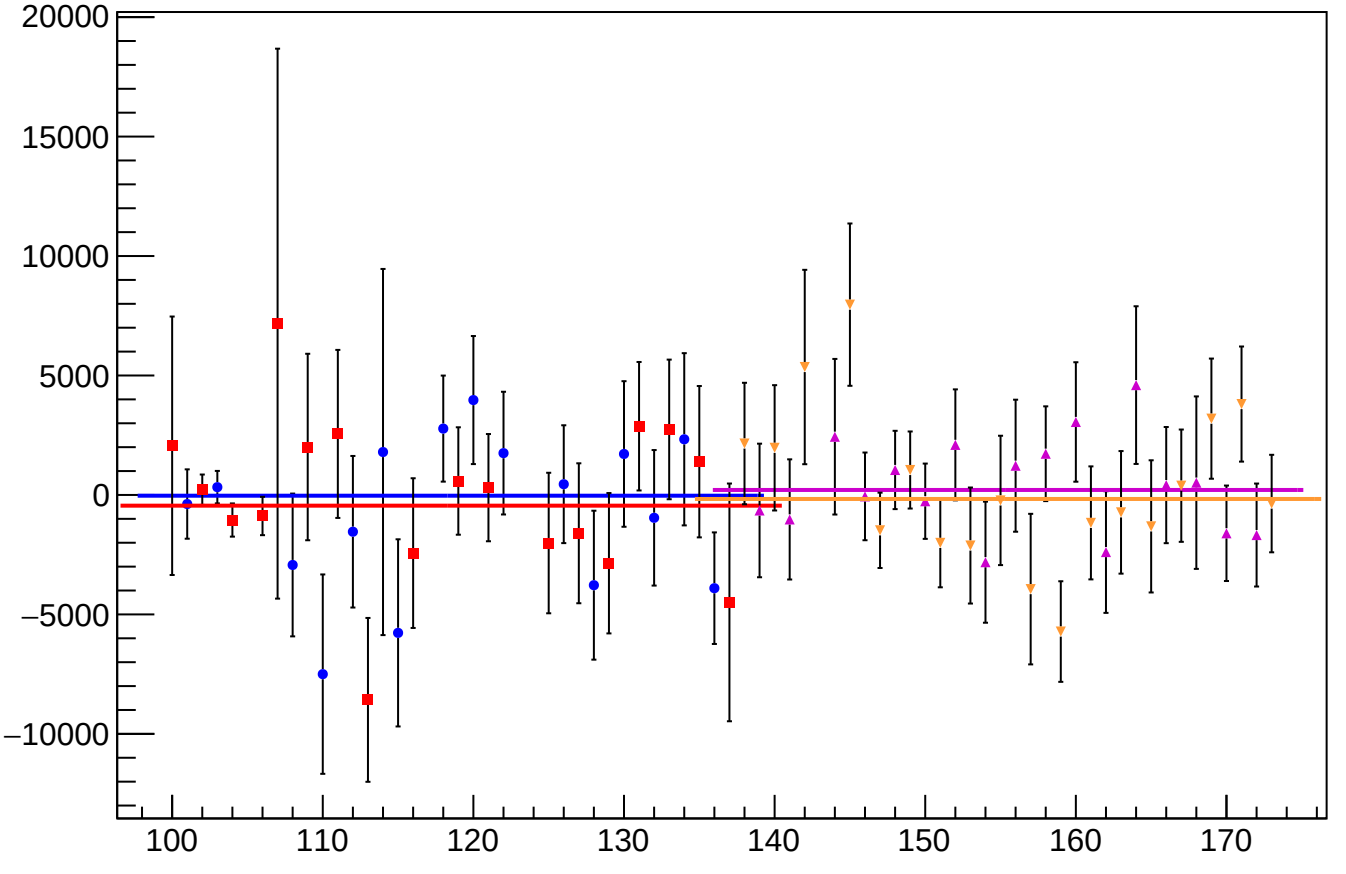
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2238.834+/-0.345 χ^2/NDF:544504.2/32

Out: 2244.782+/-0.344 χ^2/NDF:267131.6/35

All: 2241.819+/-0.244 χ^2/NDF: 811784.6/68

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: -168.015+/-544.813 χ^2/NDF:25.3/17

Right Out: -448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: 208.942+/-550.760 χ^2/NDF:9.7/16

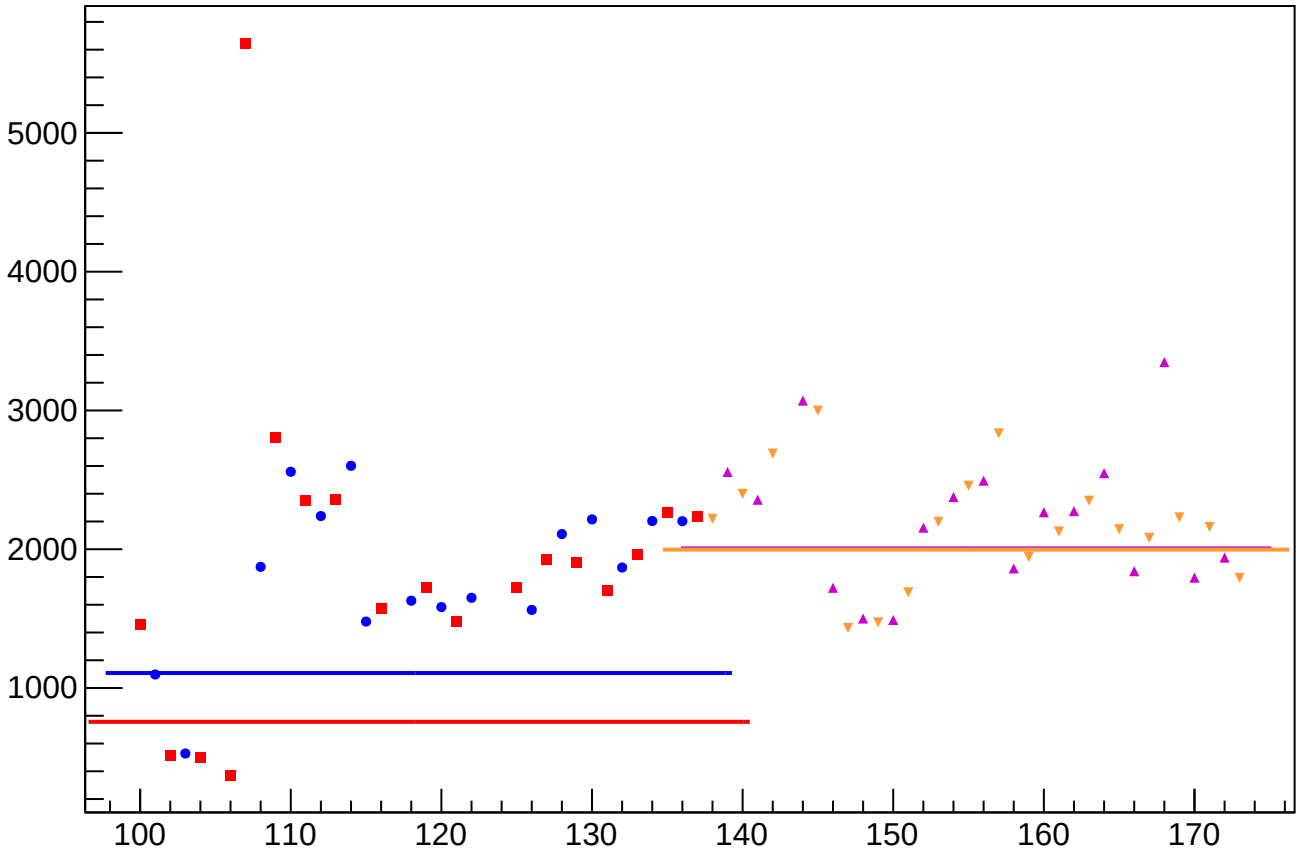
Left: 18.417+/-387.326 χ^2/NDF: 35.2/34

Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: 73.657+/-364.126 χ^2/NDF:26.1/32

Out: -362.241+/-301.840 χ^2/NDF:40.6/35

All: -184.708+/-232.381 χ^2/NDF: 67.6/68



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 1997.282+/-0.385 χ^2/NDF:1128948.4/17

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2006.119+/-0.389 χ^2/NDF:1314720.1/16

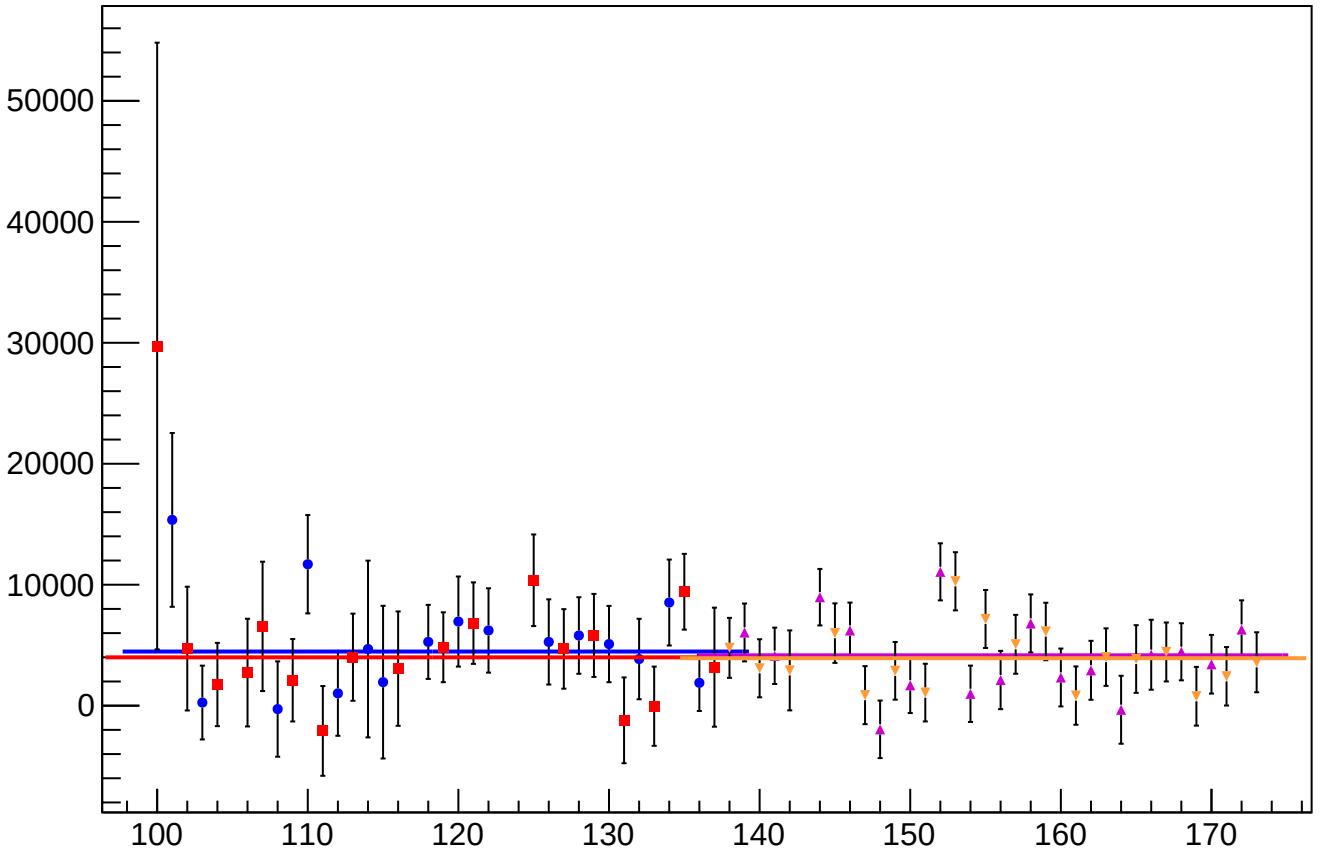
Left: 2001.652+/-0.274 χ^2/NDF: 2443928.7/34

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1500.645+/-0.257 χ^2/NDF:8053947.0/32

Out: 1137.294+/-0.213 χ^2/NDF:13922541.1/35

All: 1285.280+/-0.164 χ^2/NDF: 23156879.7/6



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3924.171+/-581.263 χ^2/NDF:18.0/17

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 4164.095+/-585.512 χ^2/NDF:30.1/16

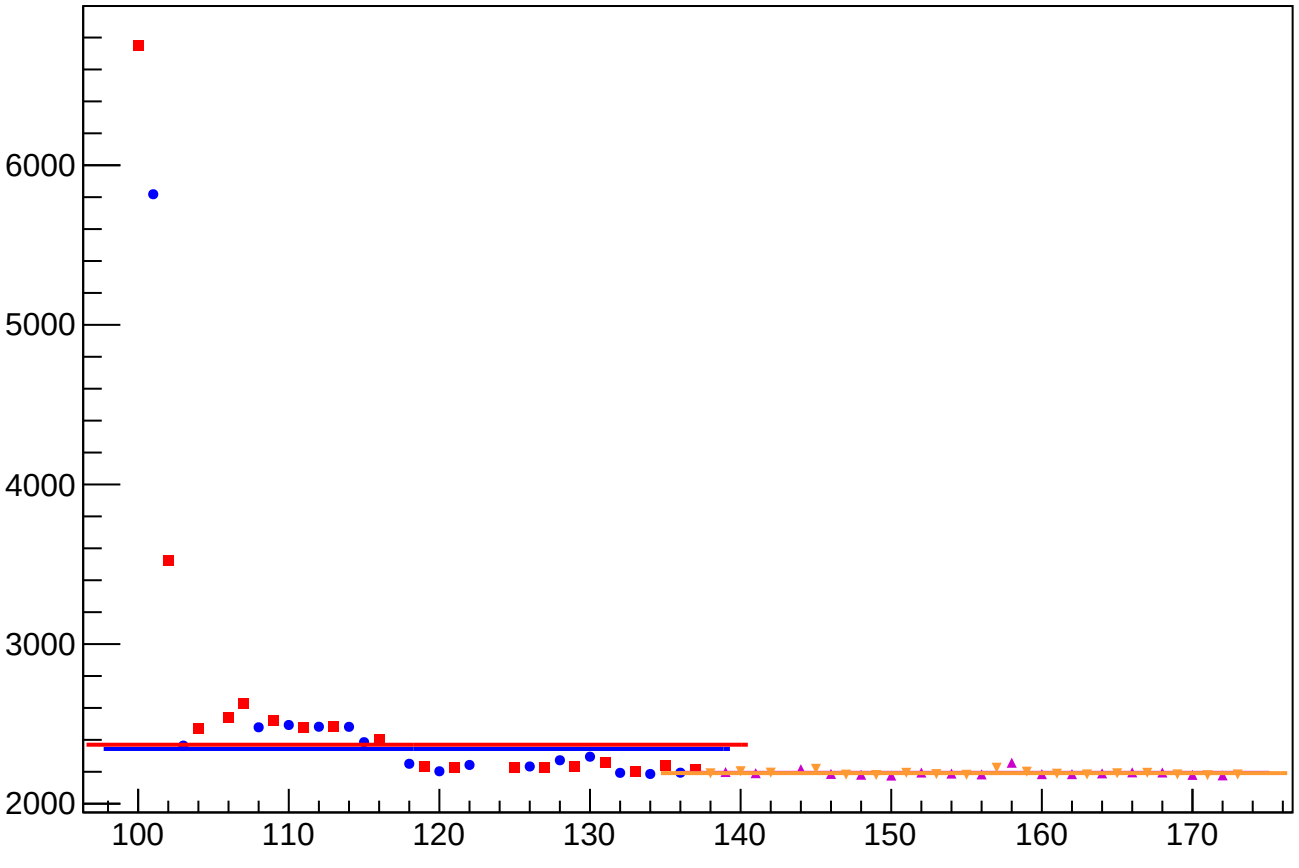
Left: 4043.260+/-412.509 χ^2/NDF: 48.1/34

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4259.022+/-488.498 χ^2/NDF:43.7/32

Out: 3945.575+/-486.737 χ^2/NDF:33.4/35

All: 4101.733+/-344.796 χ^2/NDF: 77.4/68



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.606+/-0.411 χ^2/NDF:964.3/17

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2193.389+/-0.414 χ^2/NDF:1995.7/16

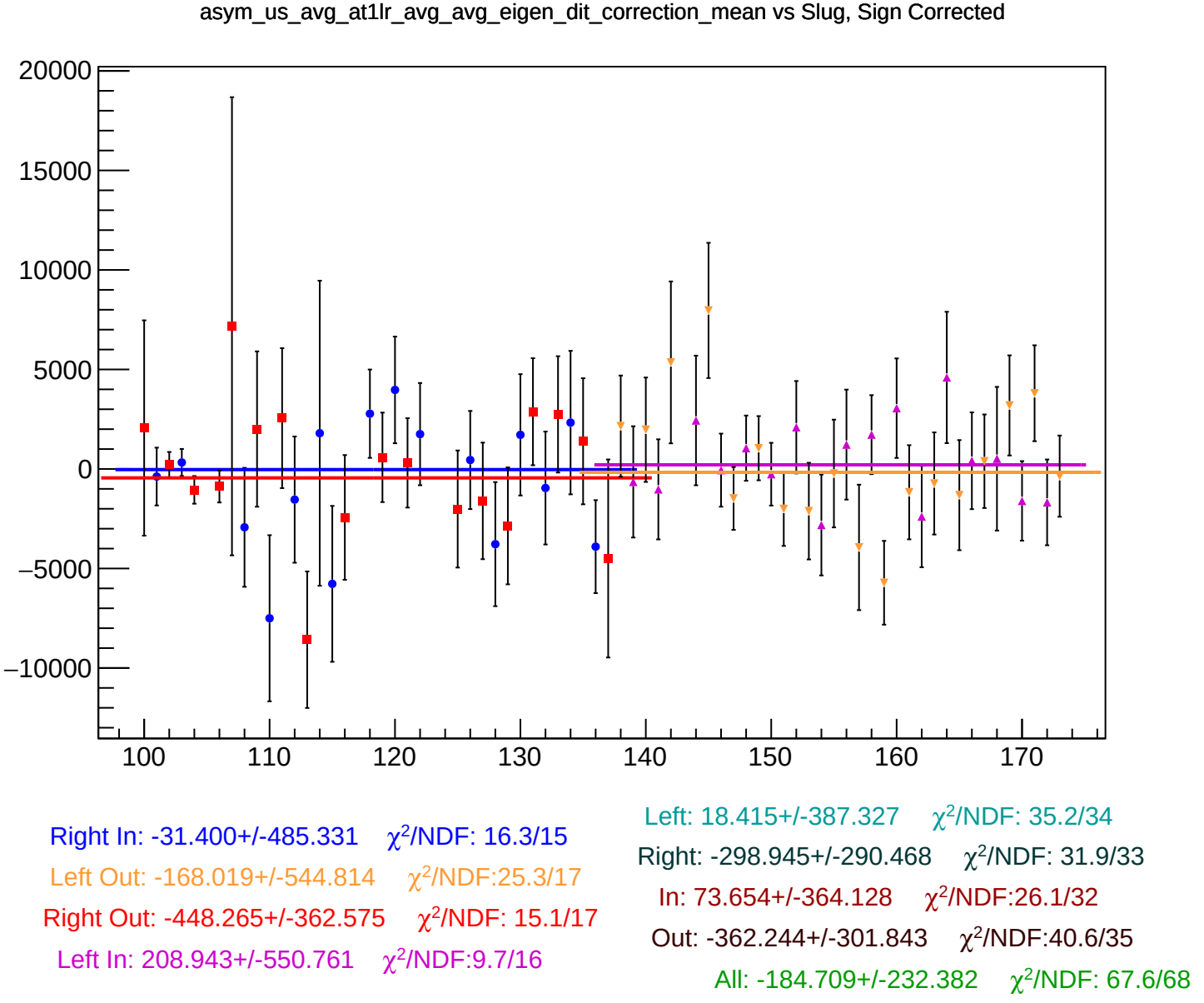
Left: 2192.491+/-0.292 χ^2/NDF: 2969.4/34

Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

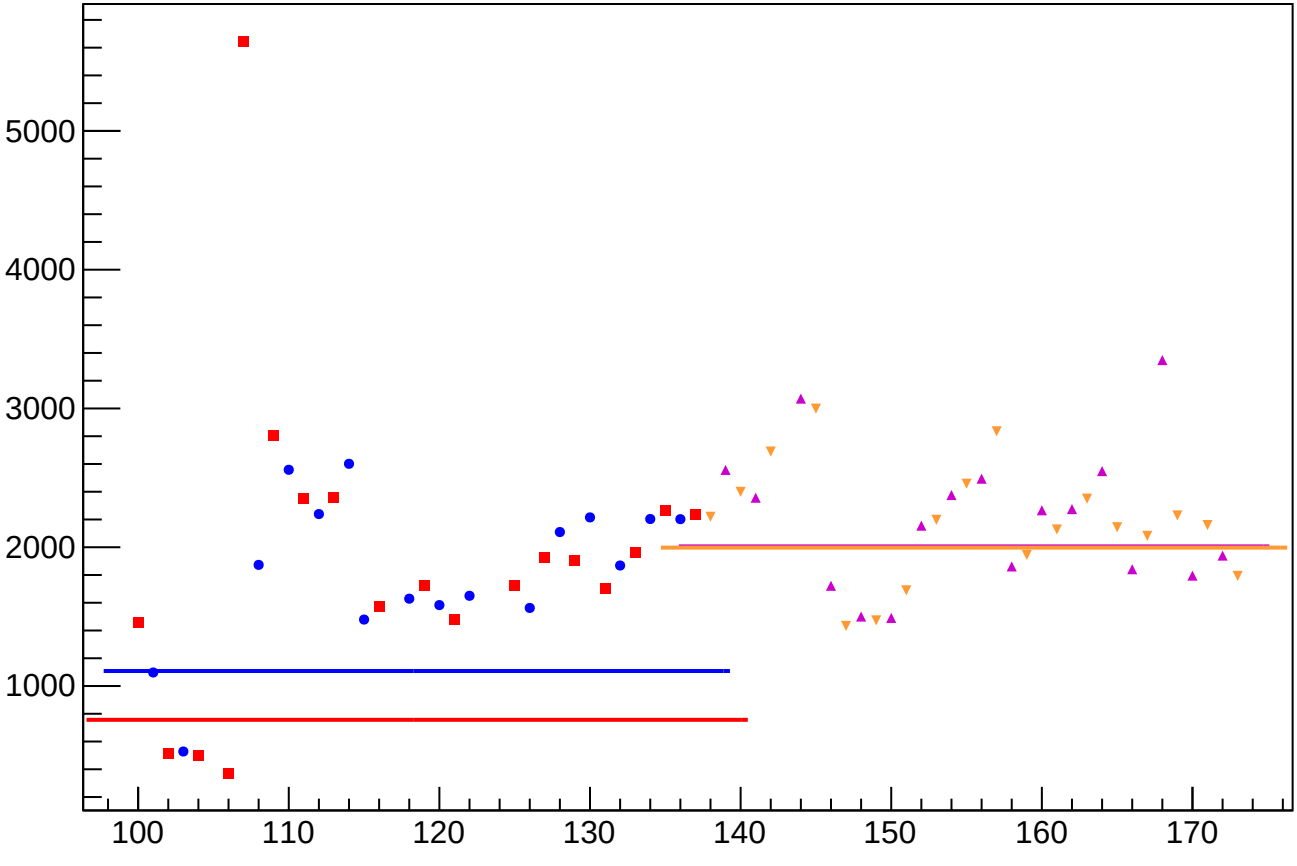
In: 2238.834+/-0.345 χ^2/NDF:544503.9/32

Out: 2244.782+/-0.344 χ^2/NDF:267130.2/35

All: 2241.819+/-0.244 χ^2/NDF: 811782.9/68


asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -31.400+/-485.331 χ²/NDF: 16.3/15
Left Out: -168.019+/-544.814 χ²/NDF:25.3/17
Right Out: -448.265+/-362.575 χ²/NDF: 15.1/17
Left In: 208.943+/-550.761 χ²/NDF:9.7/16
Left: 18.415+/-387.327 χ²/NDF: 35.2/34
Right: -298.945+/-290.468 χ²/NDF: 31.9/33
In: 73.654+/-364.128 χ²/NDF:26.1/32
Out: -362.244+/-301.843 χ²/NDF:40.6/35
All: -184.709+/-232.382 χ²/NDF: 67.6/68

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: 1997.285+/-0.385 χ^2/NDF:1128948.4/17

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2006.123+/-0.389 χ^2/NDF:1314719.2/16

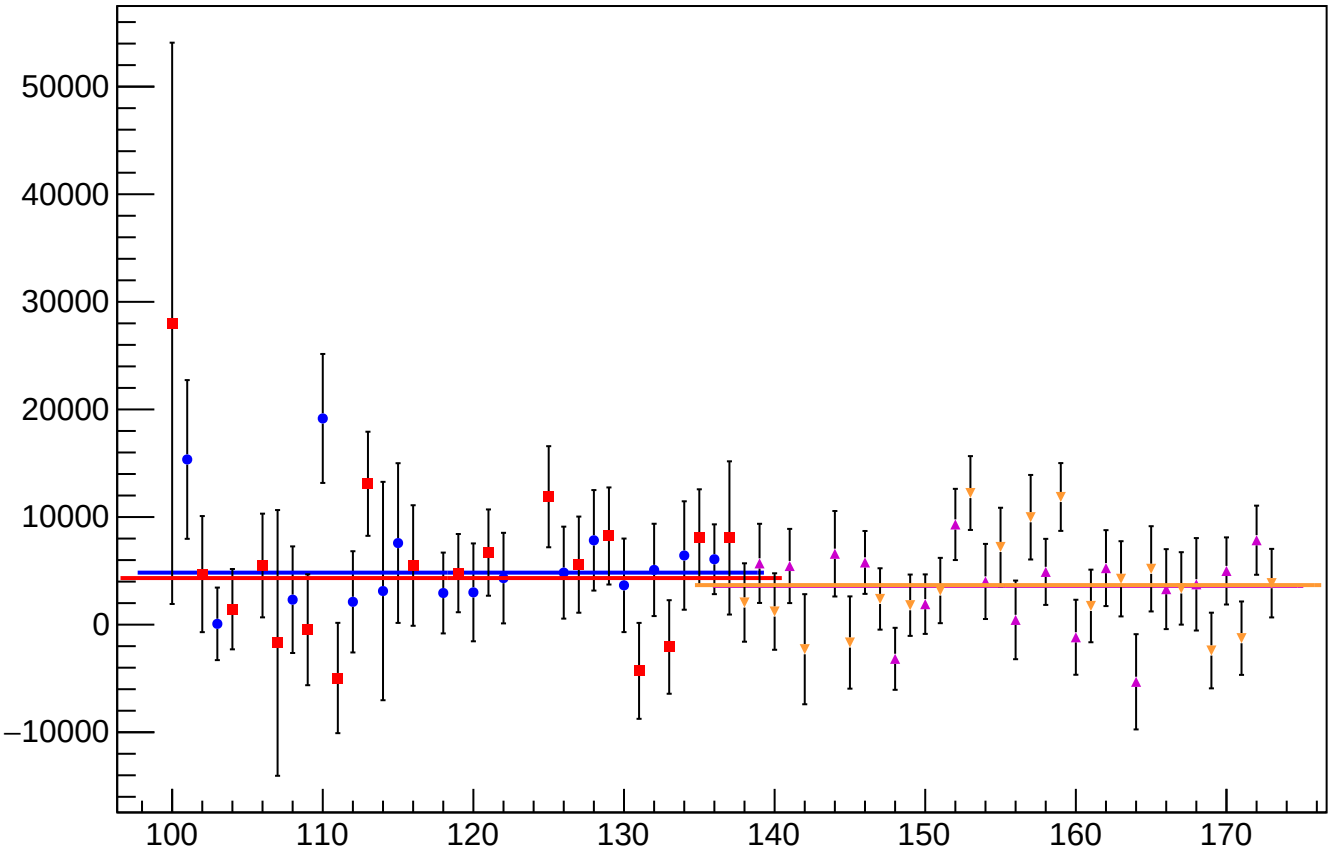
Left: 2001.656+/-0.274 χ^2/NDF: 2443927.9/34

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1500.653+/-0.257 χ^2/NDF:8053810.2/32

Out: 1137.311+/-0.213 χ^2/NDF:13922214.5/35

All: 1285.295+/-0.164 χ^2/NDF: 23156344.5/6



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3674.579+/-812.598 χ^2/NDF:26.3/17

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 3601.237+/-820.818 χ^2/NDF:19.7/16

Left: 3638.277+/-577.478 χ^2/NDF: 46.0/34

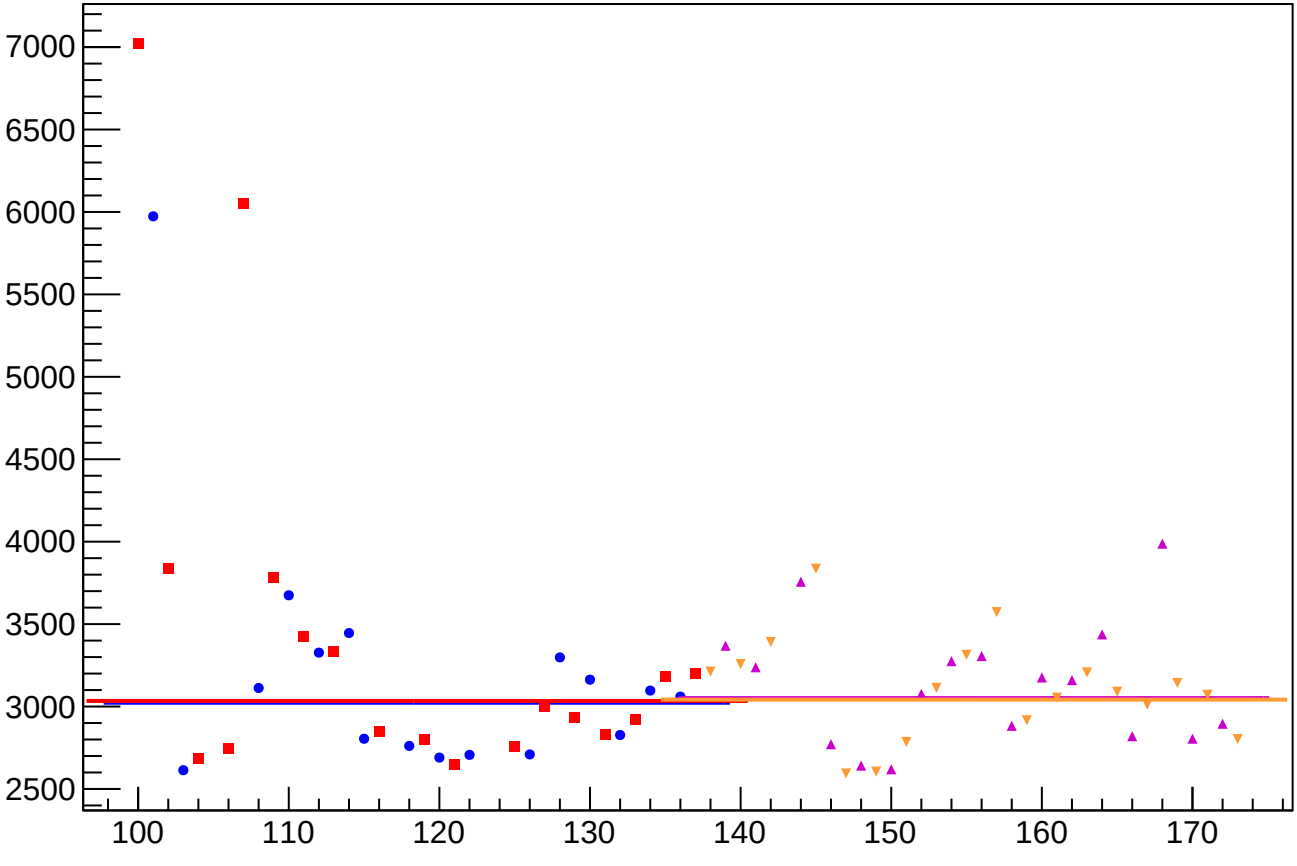
Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 4020.833+/-666.622 χ^2/NDF:32.1/32

Out: 3893.765+/-662.586 χ^2/NDF:46.5/35

All: 3956.913+/-469.939 χ^2/NDF: 78.6/68

asym_us_avg_at1lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3042.008+/-0.575 χ^2/NDF:269881.2/17

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3051.186+/-0.580 χ^2/NDF:355238.9/16

Left: 3046.551+/-0.408 χ^2/NDF: 625246.4/34

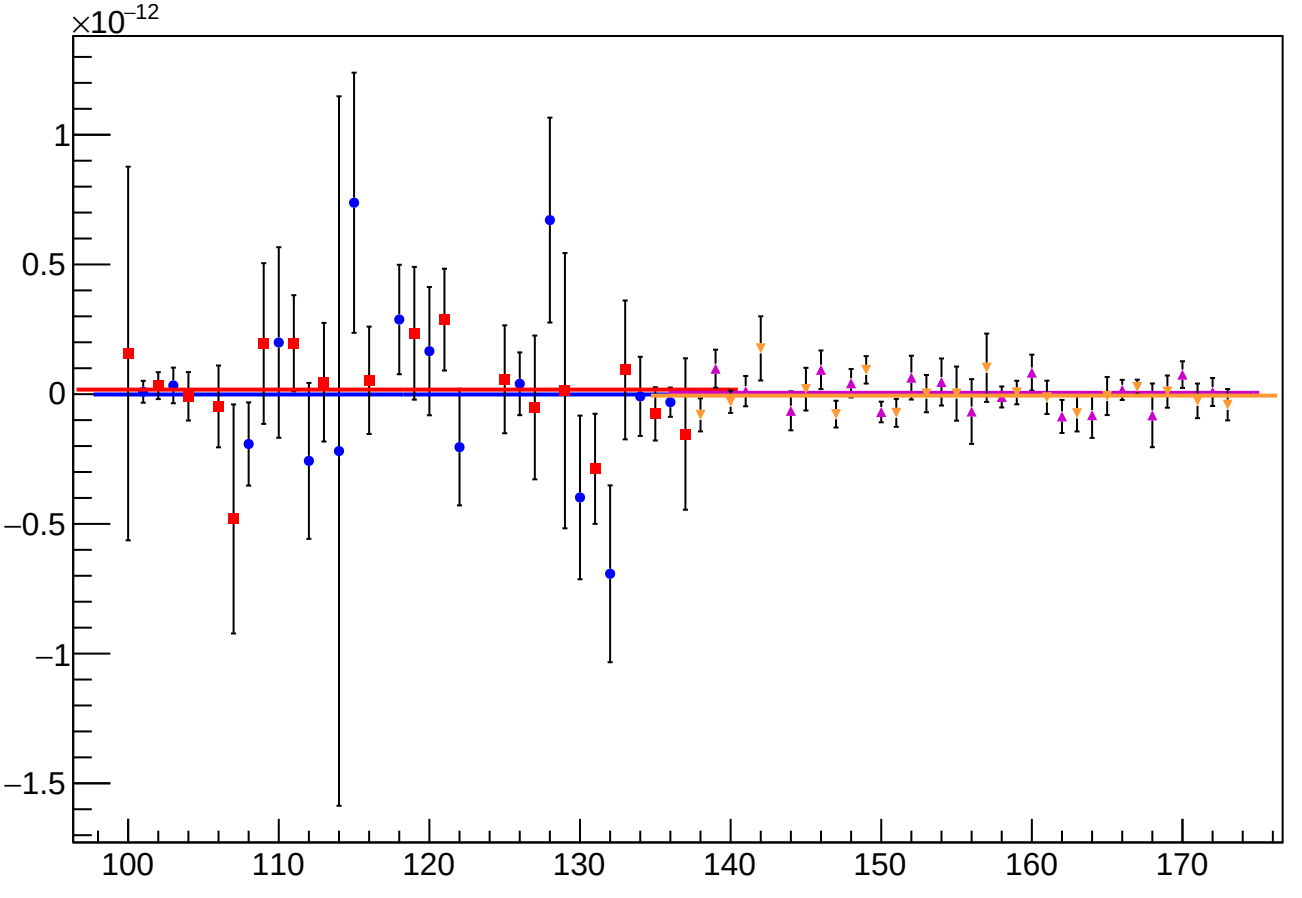
Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3041.614+/-0.471 χ^2/NDF:799743.6/32

Out: 3039.280+/-0.469 χ^2/NDF:612623.2/35

All: 3040.440+/-0.332 χ^2/NDF: 1412379.1/68

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:15.7/16

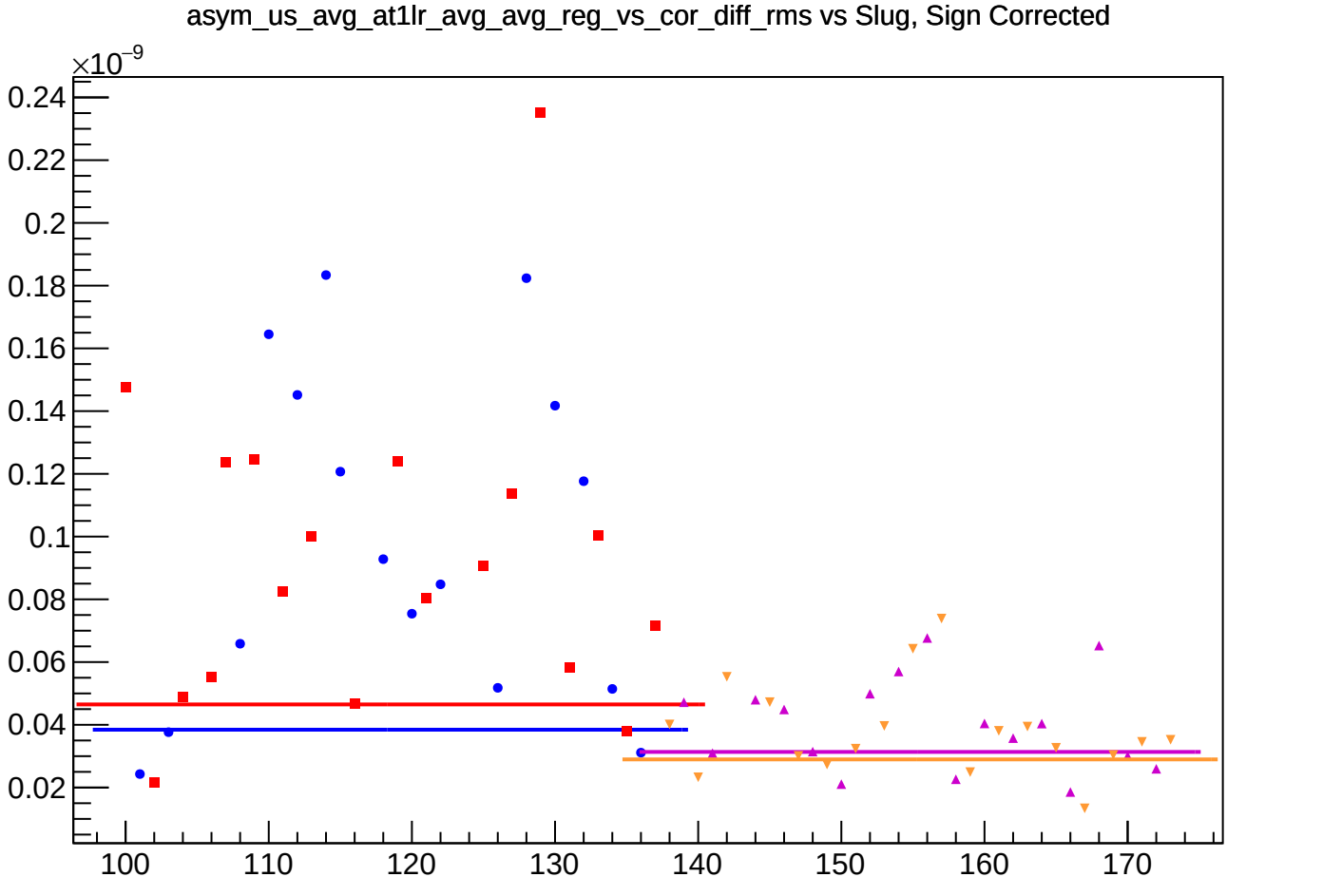
Left: -0.000+/-0.000 χ^2/NDF: 30.4/34

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

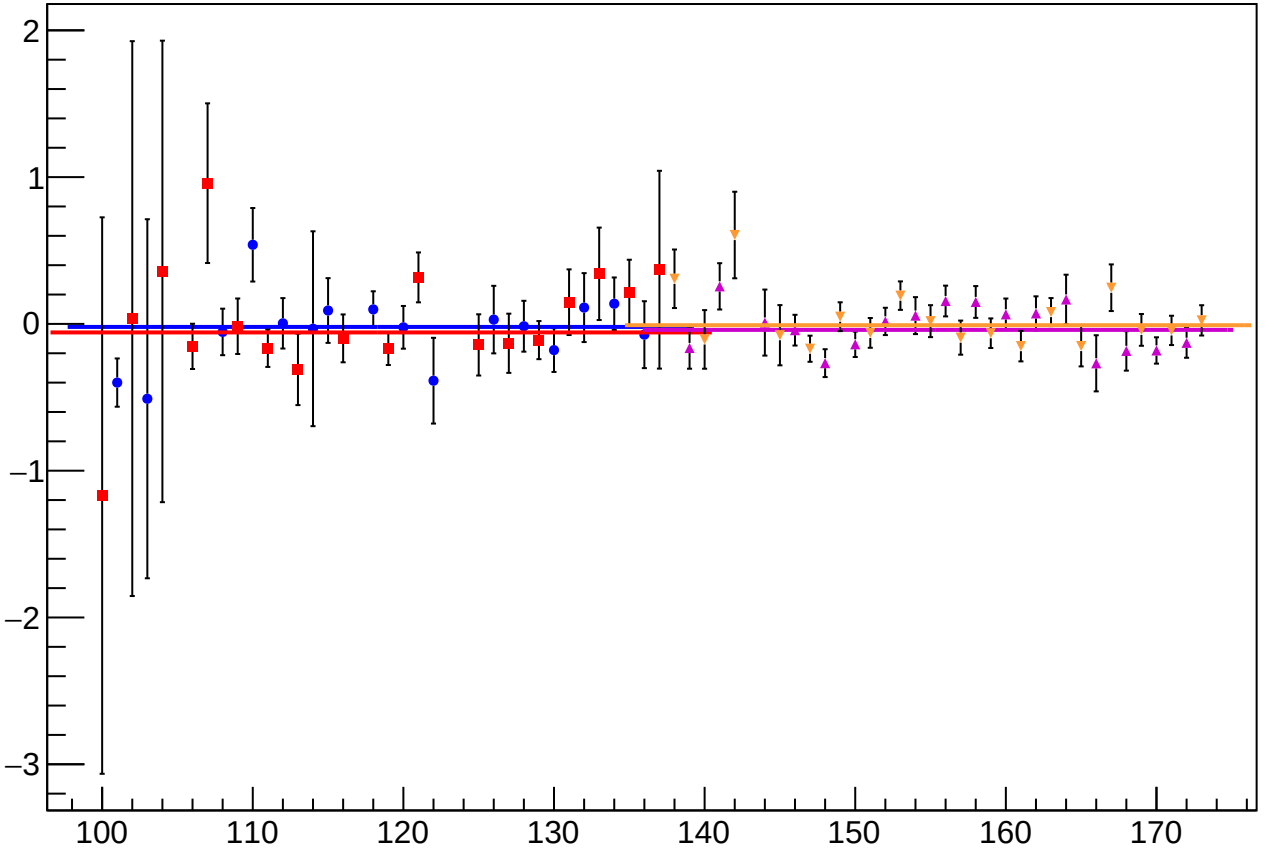
In: 0.000+/-0.000 χ^2/NDF:32.8/32

Out: -0.000+/-0.000 χ^2/NDF:23.8/35

All: 0.000+/-0.000 χ^2/NDF: 56.8/68


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1771405.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1549325.0/17
Right Out: 0.000+/-0.000 χ²/NDF: 1697135.5/17
Left In: 0.000+/-0.000 χ²/NDF:1366134.2/16
Left: 0.000+/-0.000 χ²/NDF: 2944602.4/34
Right: 0.000+/-0.000 χ²/NDF: 3535596.3/33
In: 0.000+/-0.000 χ²/NDF:3243187.6/32
Out: 0.000+/-0.000 χ²/NDF:3694136.5/35
All: 0.000+/-0.000 χ²/NDF: 6954051.9/68

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: -0.009+/-0.027 χ^2/NDF:23.0/17

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.041+/-0.028 χ^2/NDF:28.1/16

Left: -0.025+/-0.019 χ^2/NDF: 51.7/34

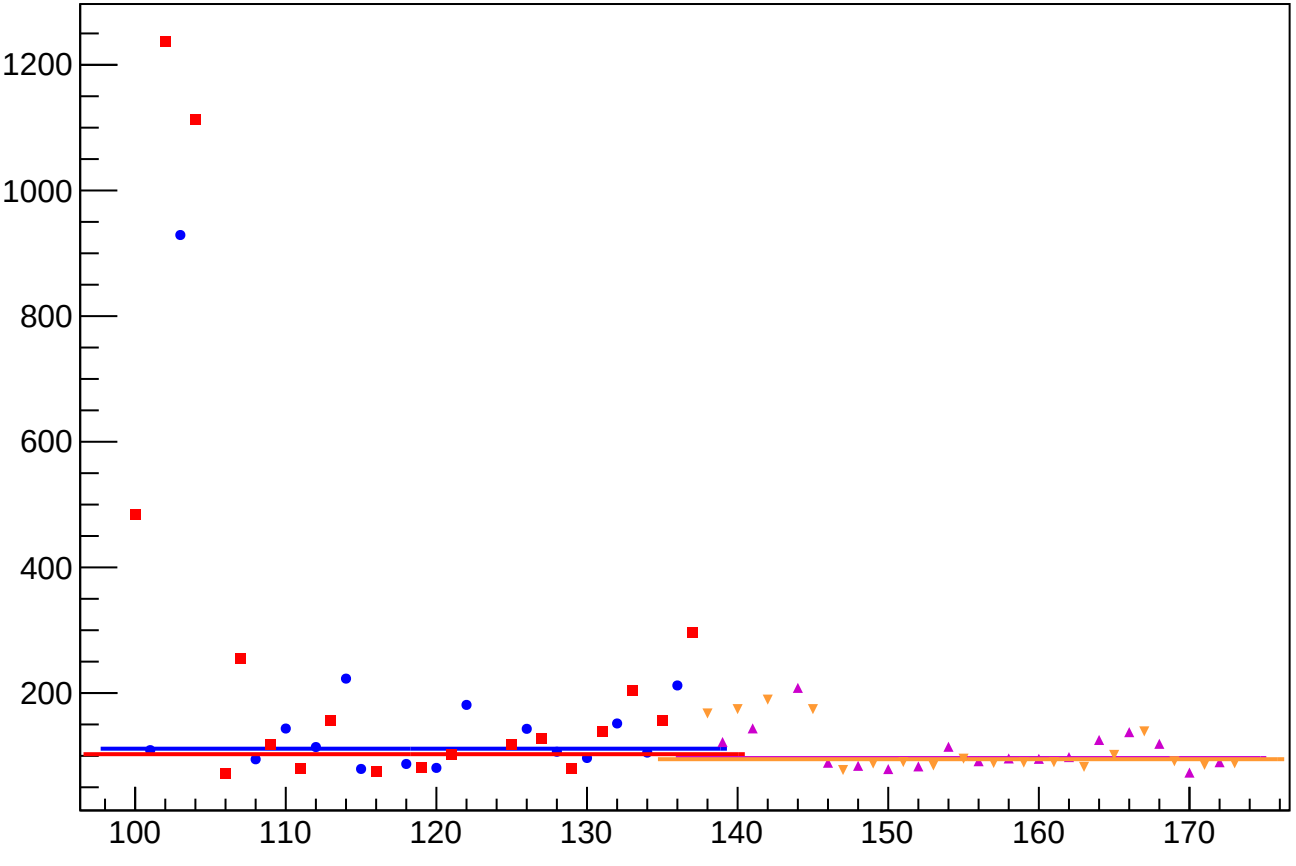
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.036+/-0.024 χ^2/NDF:43.8/32

Out: -0.022+/-0.023 χ^2/NDF:40.6/35

All: -0.028+/-0.017 χ^2/NDF: 84.7/68

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: 94.692+/-0.019 χ^2/NDF:1437656.2/17

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 96.521+/-0.020 χ^2/NDF:1300771.0/16

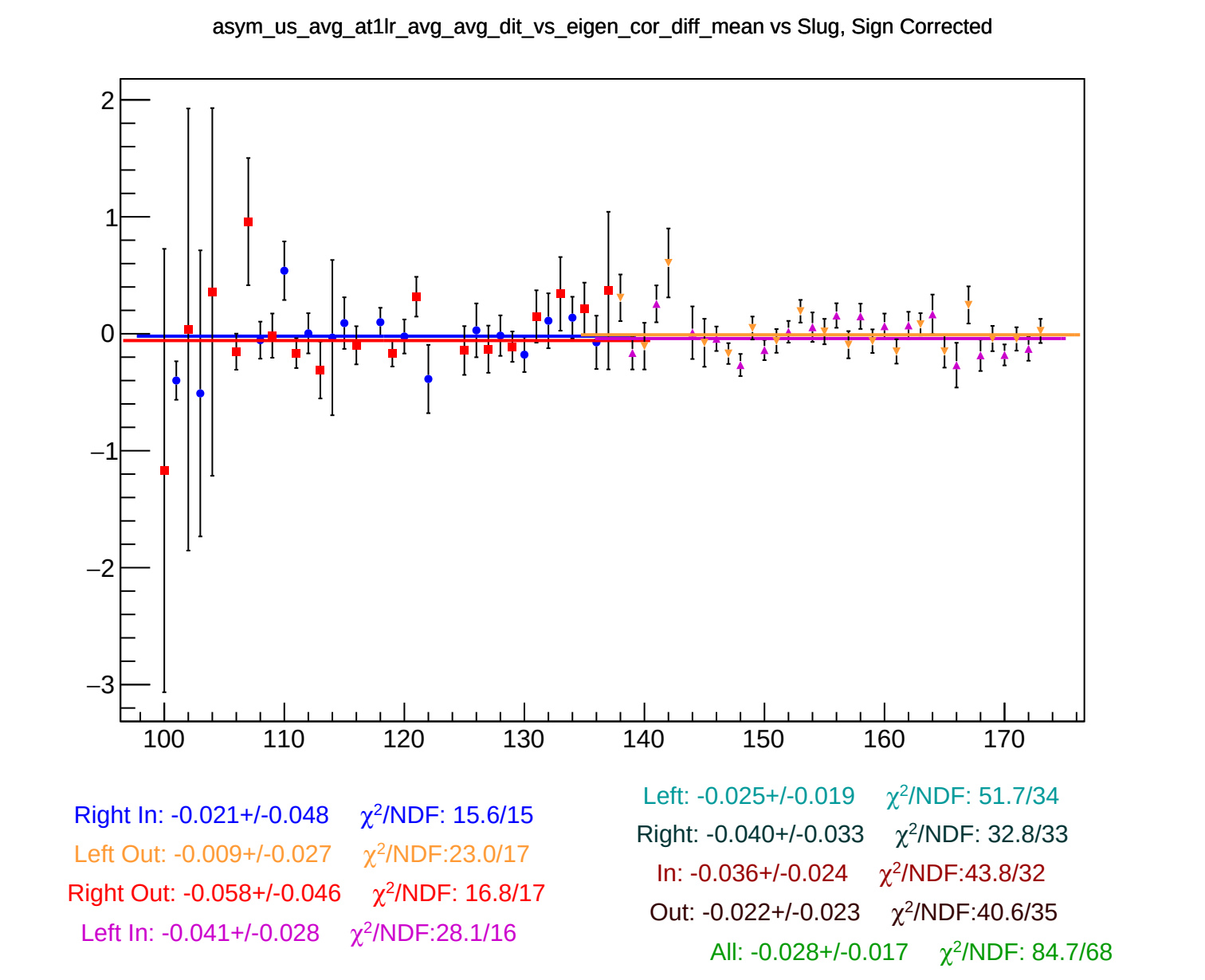
Left: 95.590+/-0.014 χ^2/NDF: 2742855.6/34

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

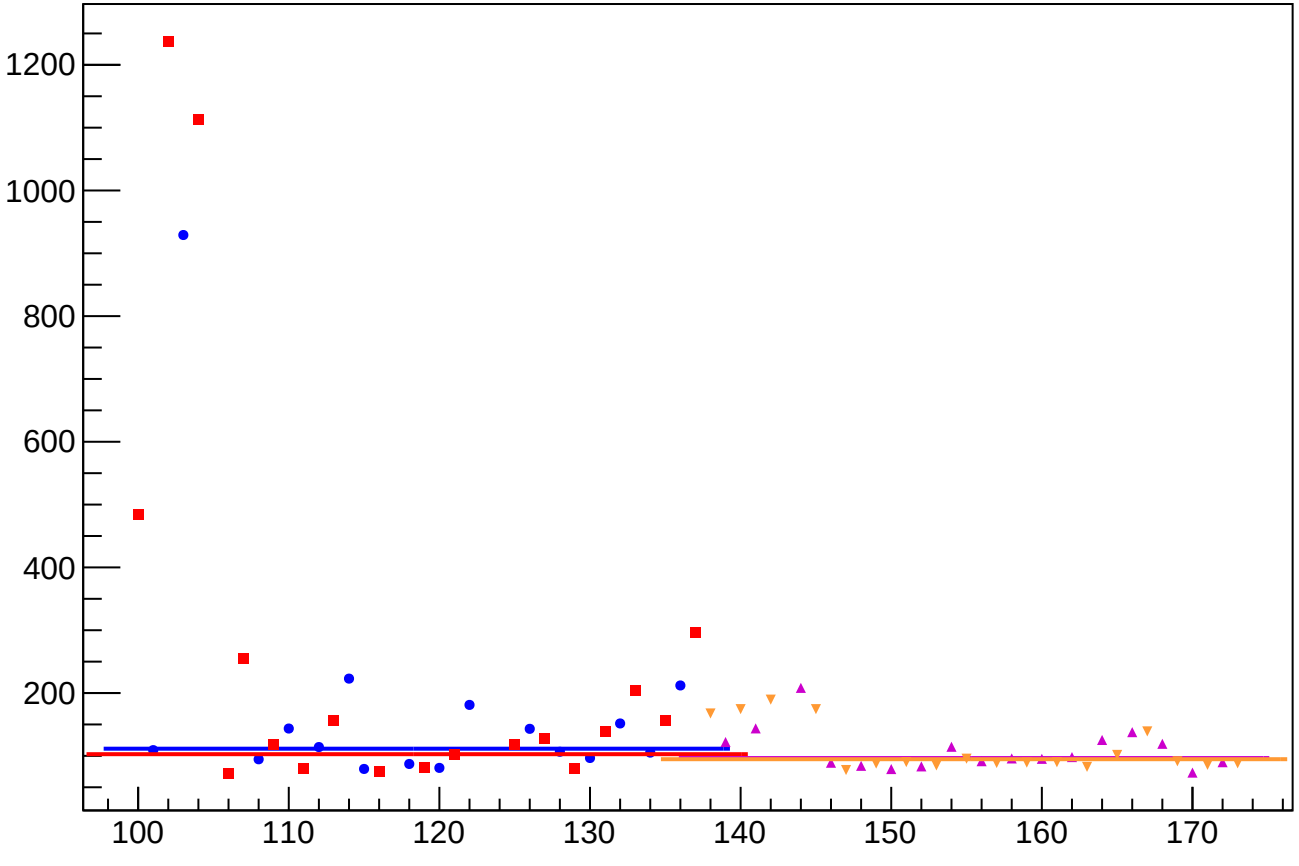
In: 100.292+/-0.017 χ^2/NDF:3285991.5/32

Out: 96.736+/-0.017 χ^2/NDF:4308517.1/35

All: 98.477+/-0.012 χ^2/NDF: 7616973.2/68


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.021+/-0.048 χ²/NDF: 15.6/15
Left Out: -0.009+/-0.027 χ²/NDF:23.0/17
Right Out: -0.058+/-0.046 χ²/NDF: 16.8/17
Left In: -0.041+/-0.028 χ²/NDF:28.1/16
Left: -0.025+/-0.019 χ²/NDF: 51.7/34
Right: -0.040+/-0.033 χ²/NDF: 32.8/33
In: -0.036+/-0.024 χ²/NDF:43.8/32
Out: -0.022+/-0.023 χ²/NDF:40.6/35
All: -0.028+/-0.017 χ²/NDF: 84.7/68

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: 94.692+/-0.019 χ^2/NDF:1437656.2/17

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 96.521+/-0.020 χ^2/NDF:1300771.0/16

Left: 95.590+/-0.014 χ^2/NDF: 2742855.6/34

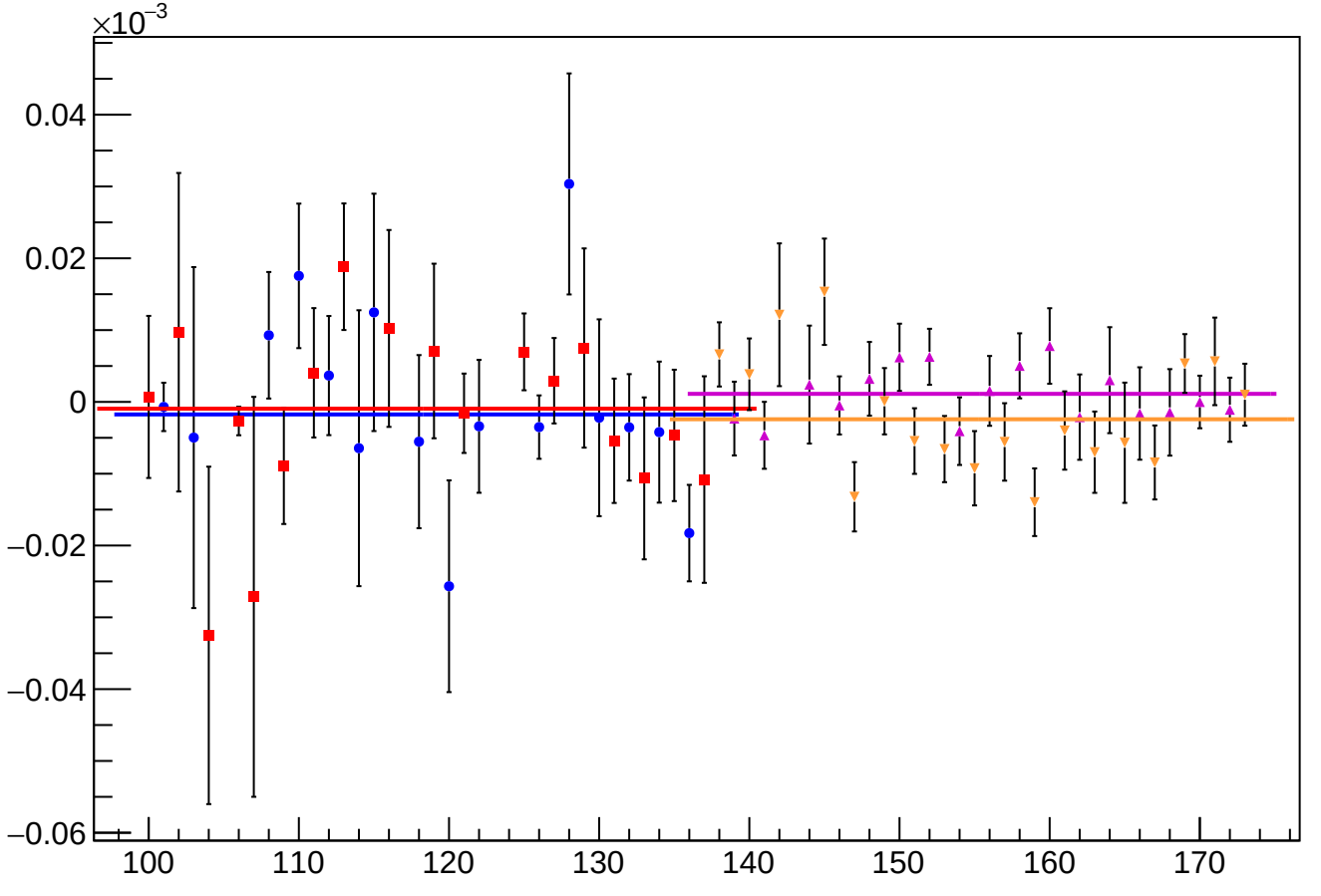
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 100.292+/-0.017 χ^2/NDF:3285991.5/32

Out: 96.736+/-0.017 χ^2/NDF:4308517.1/35

All: 98.477+/-0.012 χ^2/NDF: 7616973.2/68

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.4/17

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:9.9/16

Left: -0.000+/-0.000 χ^2/NDF: 50.7/34

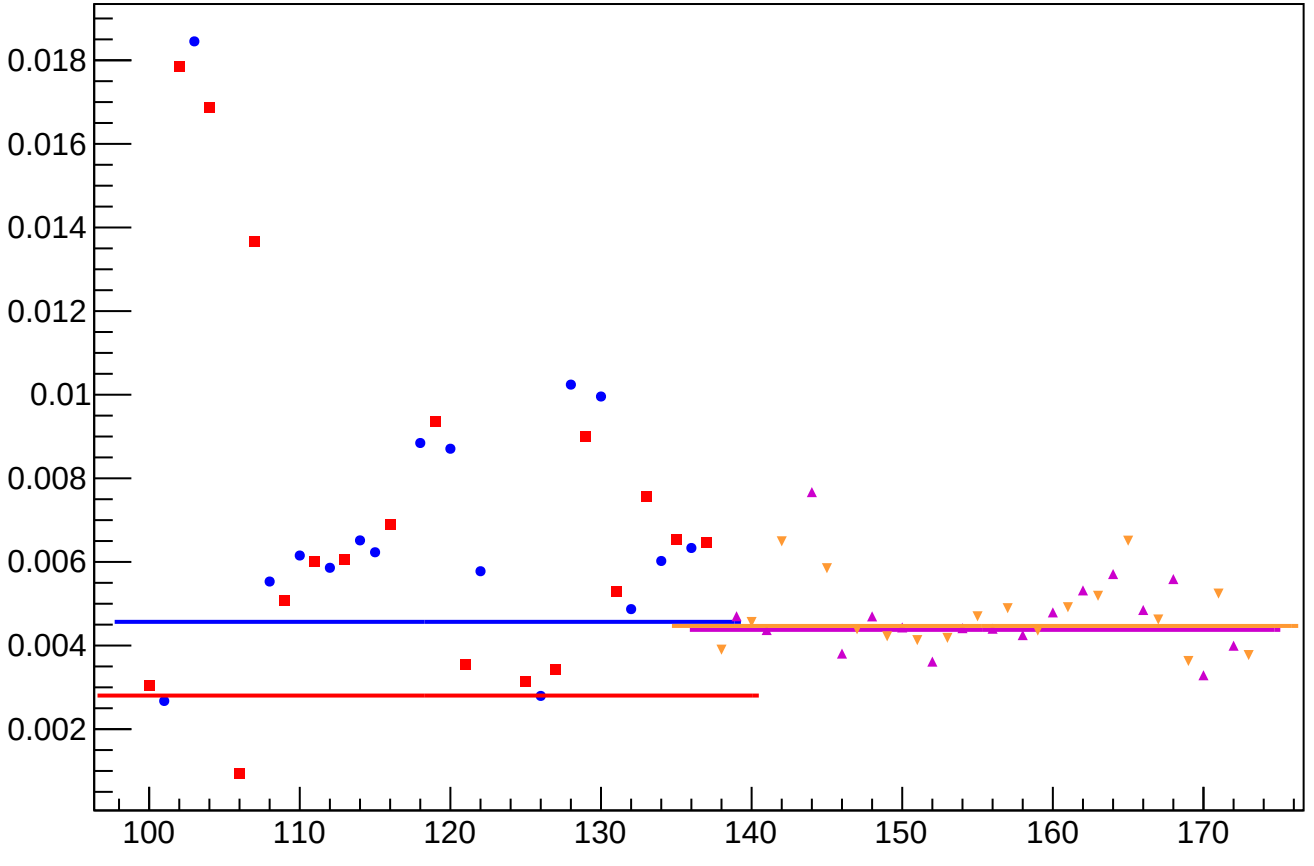
Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

In: 0.000+/-0.000 χ^2/NDF:31.5/32

Out: -0.000+/-0.000 χ^2/NDF:52.8/35

All: -0.000+/-0.000 χ^2/NDF: 86.7/68

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:562748.5/17

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.004+/-0.000 χ^2/NDF:866086.1/16

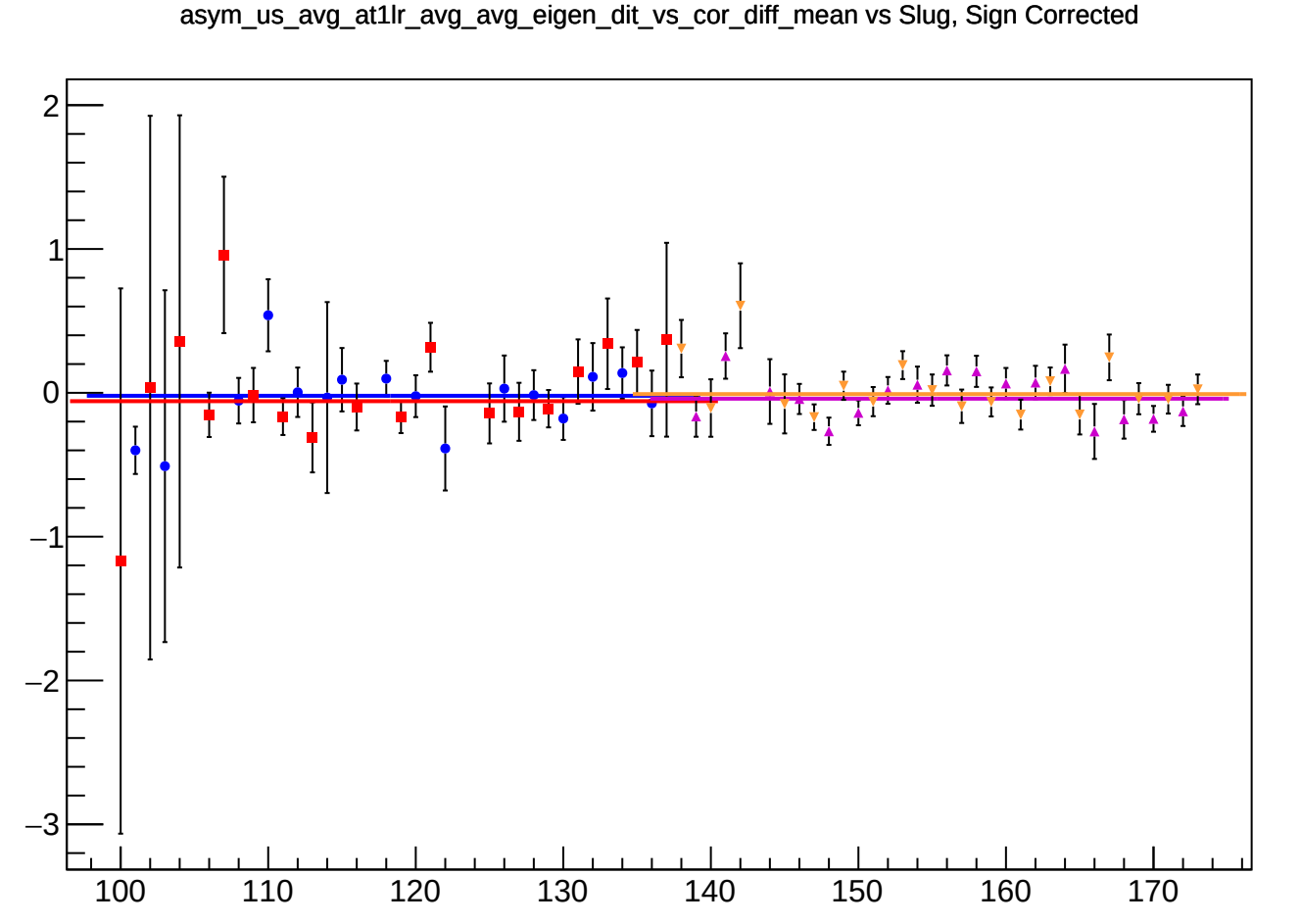
Left: 0.004+/-0.000 χ^2/NDF: 1434927.2/34

Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

In: 0.004+/-0.000 χ^2/NDF:3892657.5/32

Out: 0.004+/-0.000 χ^2/NDF:8687891.6/35

All: 0.004+/-0.000 χ^2/NDF: 12997280.6/68



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.009+/-0.027 χ^2/NDF:23.0/17

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.041+/-0.028 χ^2/NDF:28.1/16

Left: -0.025+/-0.019 χ^2/NDF: 51.7/34

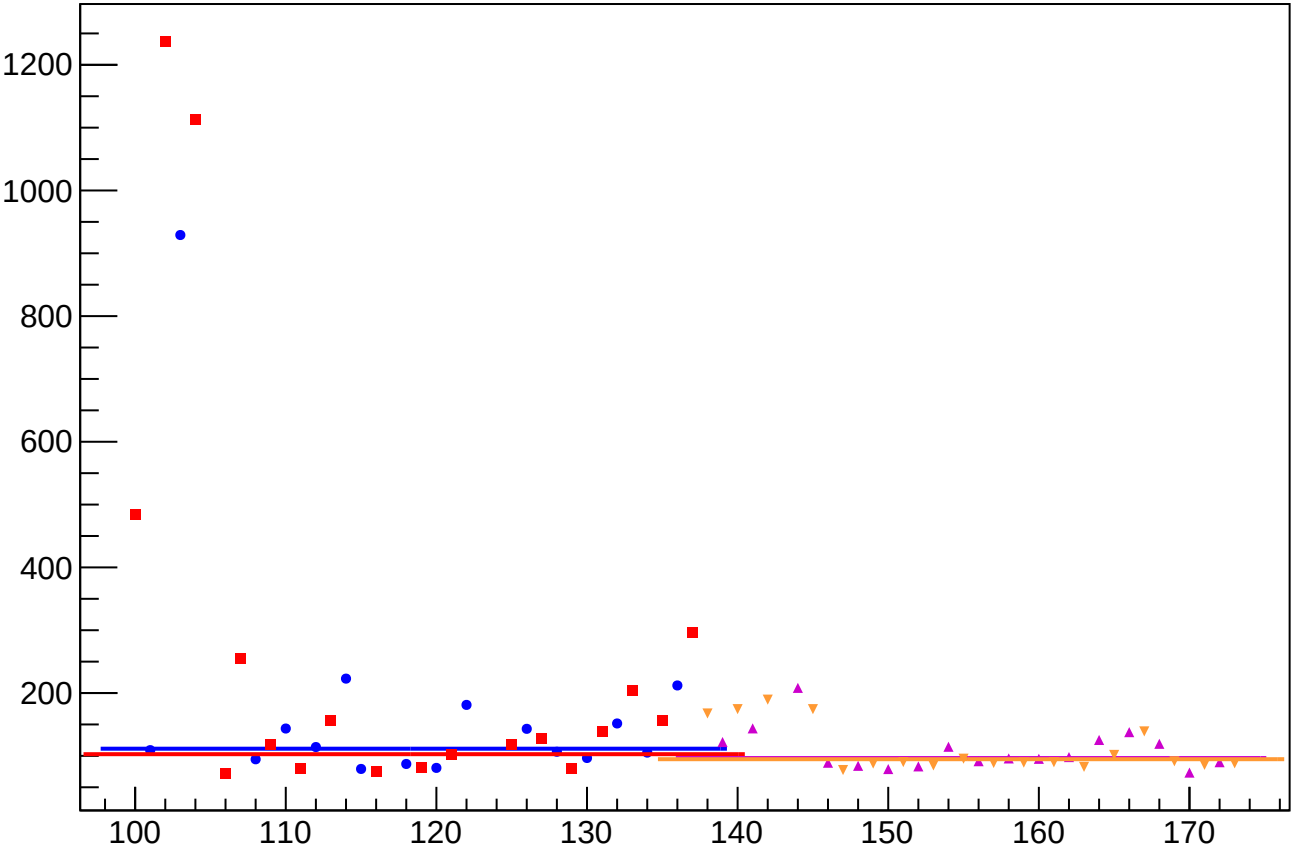
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.036+/-0.024 χ^2/NDF:43.8/32

Out: -0.022+/-0.023 χ^2/NDF:40.6/35

All: -0.028+/-0.017 χ^2/NDF: 84.7/68

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: 94.693+/-0.019 χ^2/NDF:1437632.7/17

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 96.522+/-0.020 χ^2/NDF:1300740.7/16

Left: 95.590+/-0.014 χ^2/NDF: 2742801.1/34

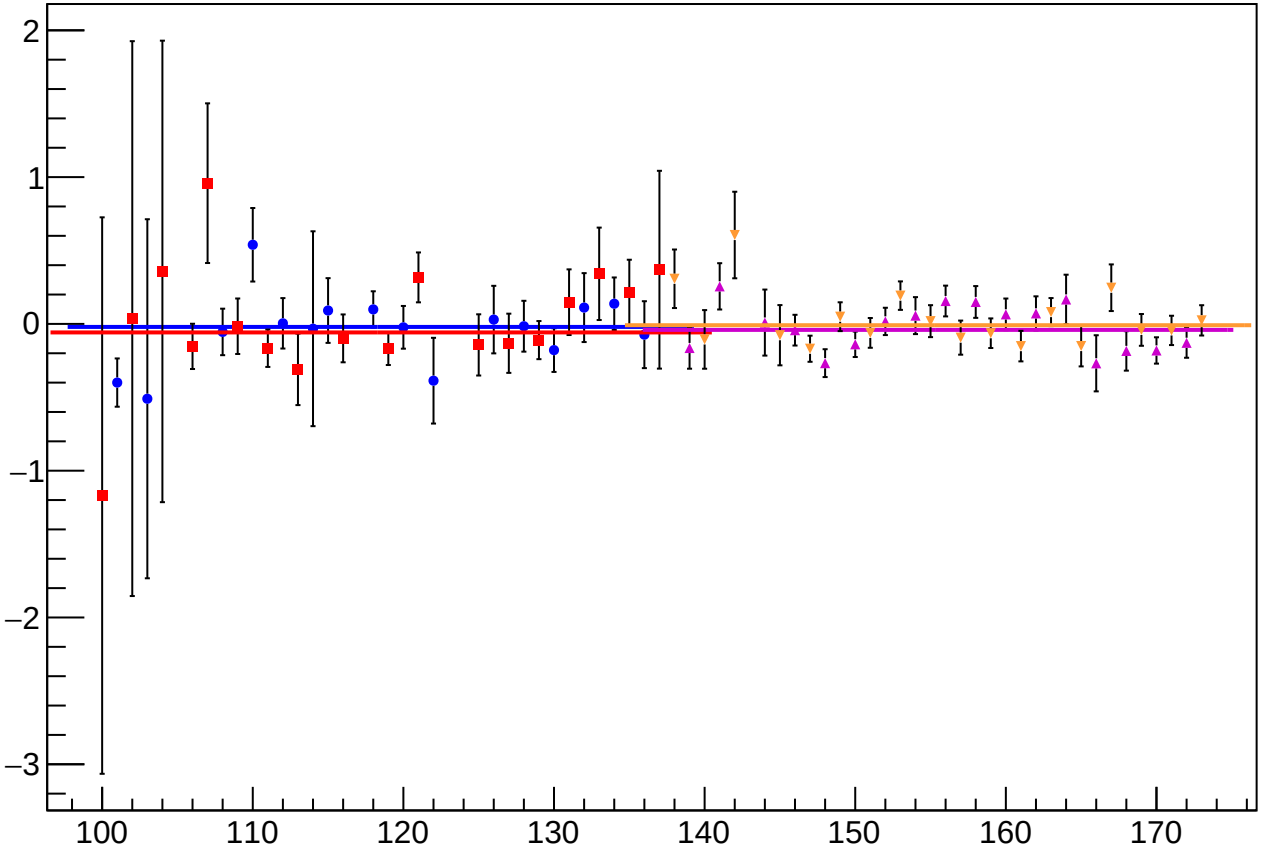
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 100.292+/-0.017 χ^2/NDF:3285947.4/32

Out: 96.736+/-0.017 χ^2/NDF:4308464.9/35

All: 98.477+/-0.012 χ^2/NDF: 7616873.0/68

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: -0.009+/-0.027 χ^2/NDF:23.0/17

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.041+/-0.028 χ^2/NDF:28.1/16

Left: -0.025+/-0.019 χ^2/NDF: 51.7/34

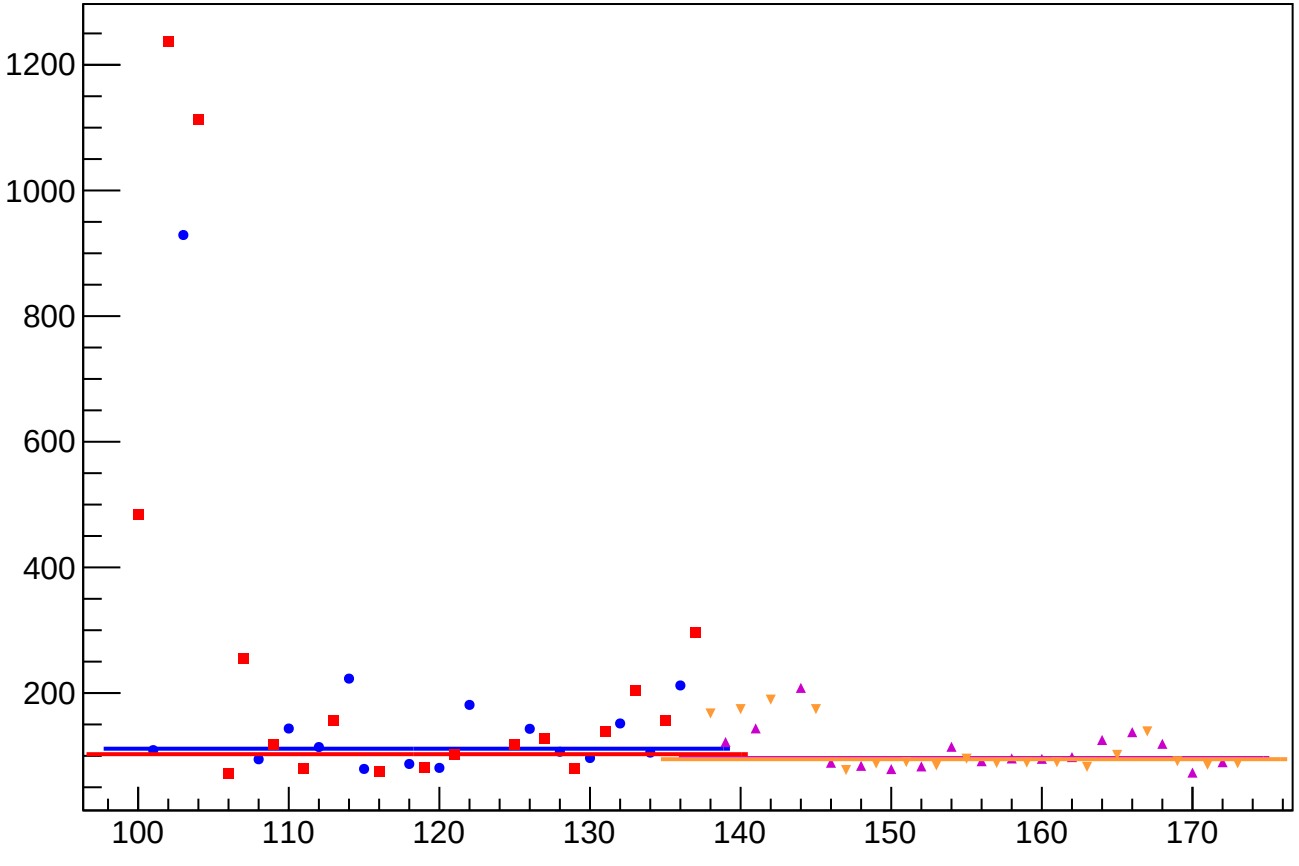
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.036+/-0.024 χ^2/NDF:43.8/32

Out: -0.022+/-0.023 χ^2/NDF:40.6/35

All: -0.028+/-0.017 χ^2/NDF: 84.7/68

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: 94.693+/-0.019 χ^2/NDF:1437632.7/17

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 96.522+/-0.020 χ^2/NDF:1300740.7/16

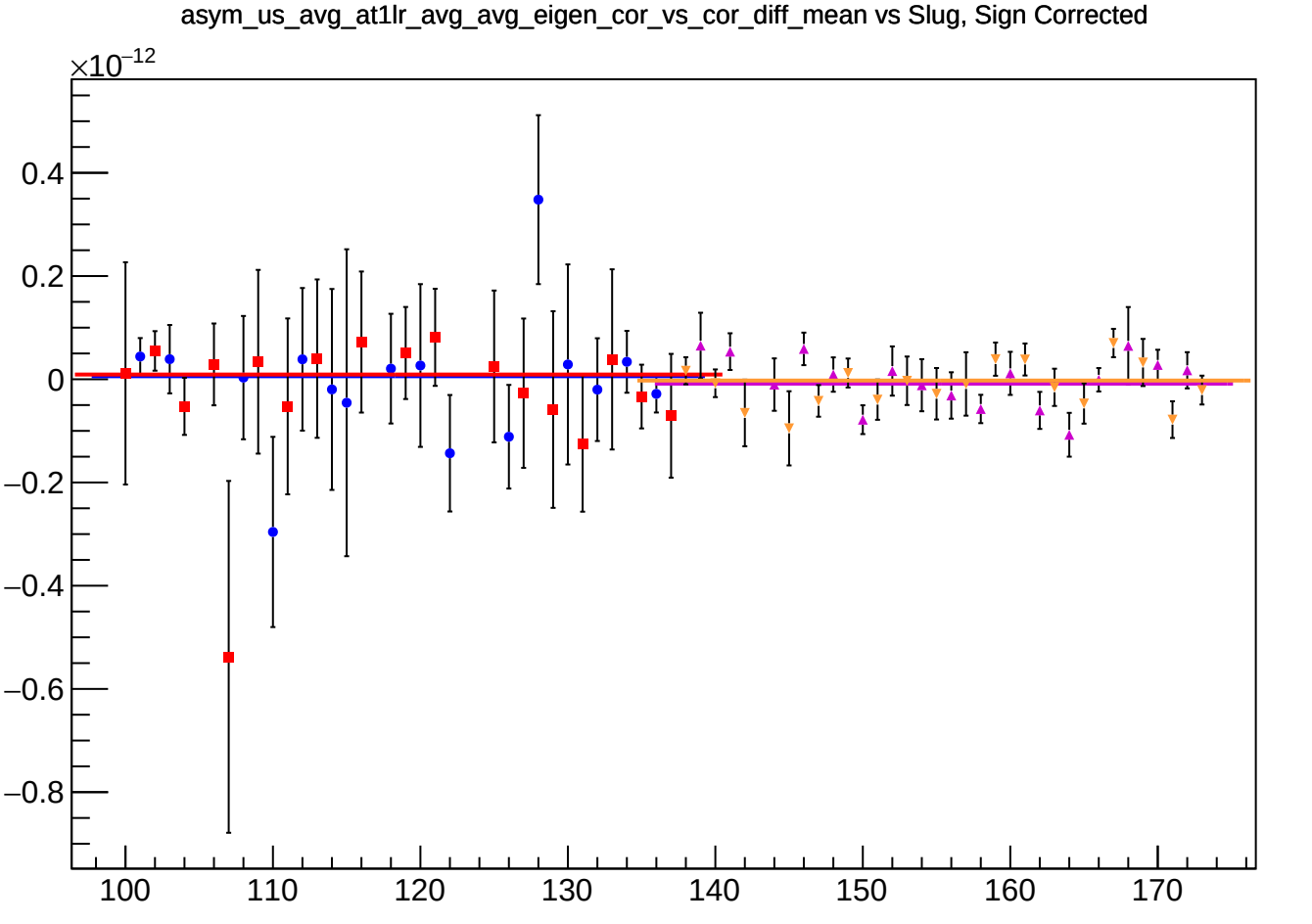
Left: 95.590+/-0.014 χ^2/NDF: 2742801.1/34

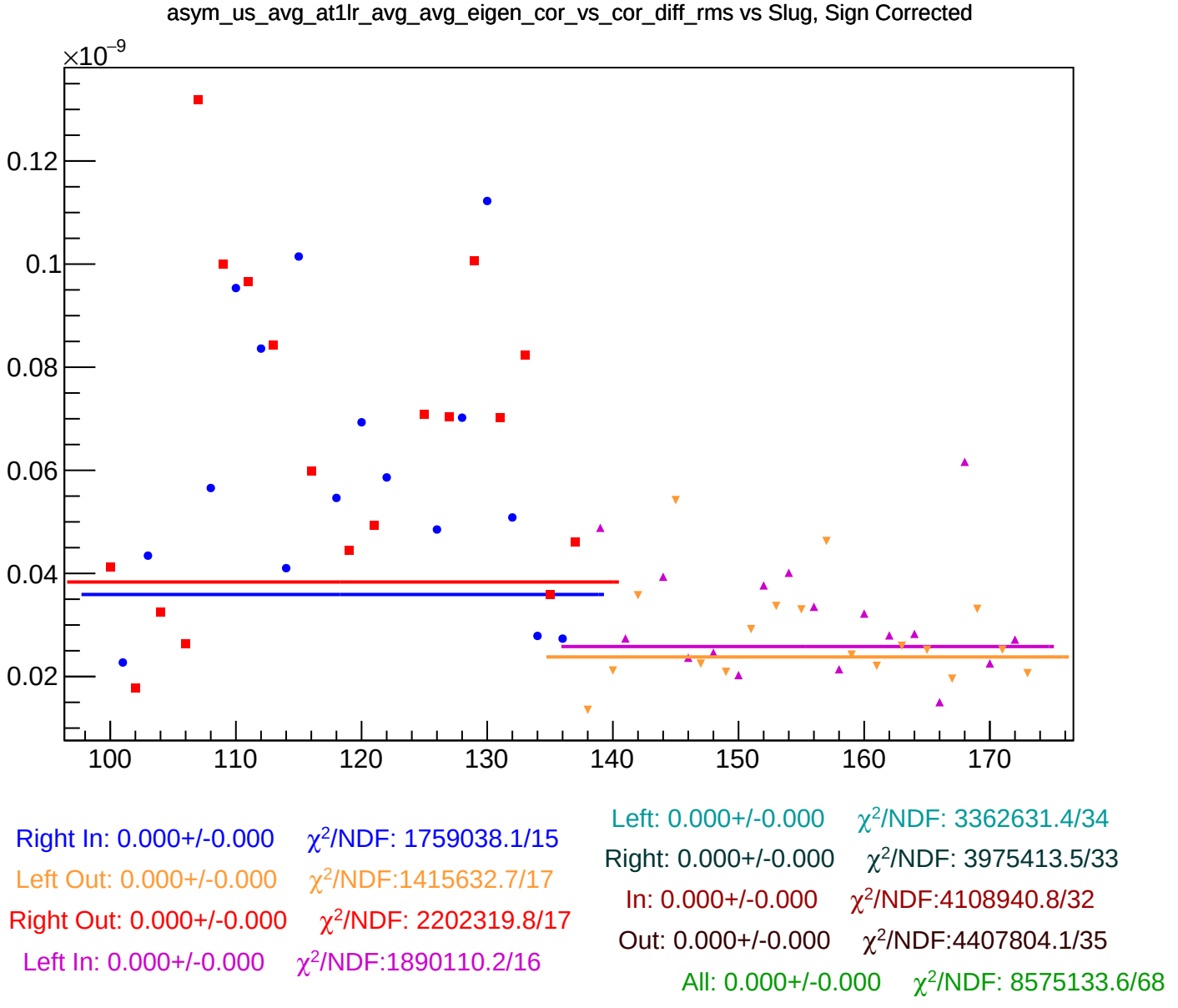
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

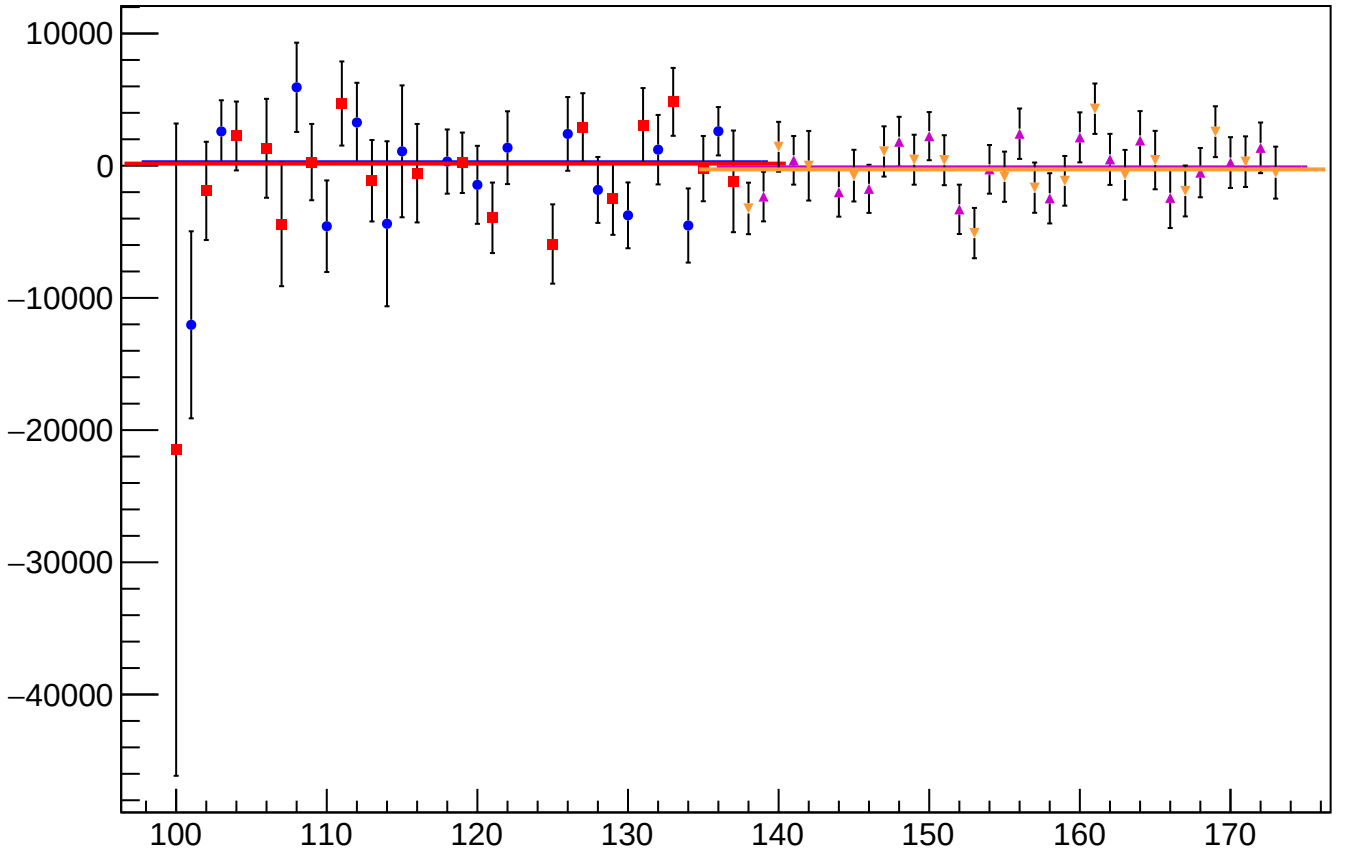
In: 100.292+/-0.017 χ^2/NDF:3285947.4/32

Out: 96.736+/-0.017 χ^2/NDF:4308464.9/35

All: 98.477+/-0.012 χ^2/NDF: 7616873.0/68


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 12.9/15
Left Out: -0.000+/-0.000 χ²/NDF:23.7/17
Right Out: 0.000+/-0.000 χ²/NDF: 8.7/17
Left In: -0.000+/-0.000 χ²/NDF:30.1/16
Left: -0.000+/-0.000 χ²/NDF: 54.0/34
Right: 0.000+/-0.000 χ²/NDF: 21.6/33
In: -0.000+/-0.000 χ²/NDF:43.5/32
Out: -0.000+/-0.000 χ²/NDF:32.6/35
All: -0.000+/-0.000 χ²/NDF: 76.3/68


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1759038.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1415632.7/17
Right Out: 0.000+/-0.000 χ²/NDF: 2202319.8/17
Left In: 0.000+/-0.000 χ²/NDF:1890110.2/16
Left: 0.000+/-0.000 χ²/NDF: 3362631.4/34
Right: 0.000+/-0.000 χ²/NDF: 3975413.5/33
In: 0.000+/-0.000 χ²/NDF:4108940.8/32
Out: 0.000+/-0.000 χ²/NDF:4407804.1/35
All: 0.000+/-0.000 χ²/NDF: 8575133.6/68



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -278.135+/-459.625 χ^2/NDF:20.2/17

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: -124.800+/-463.077 χ^2/NDF:16.3/16

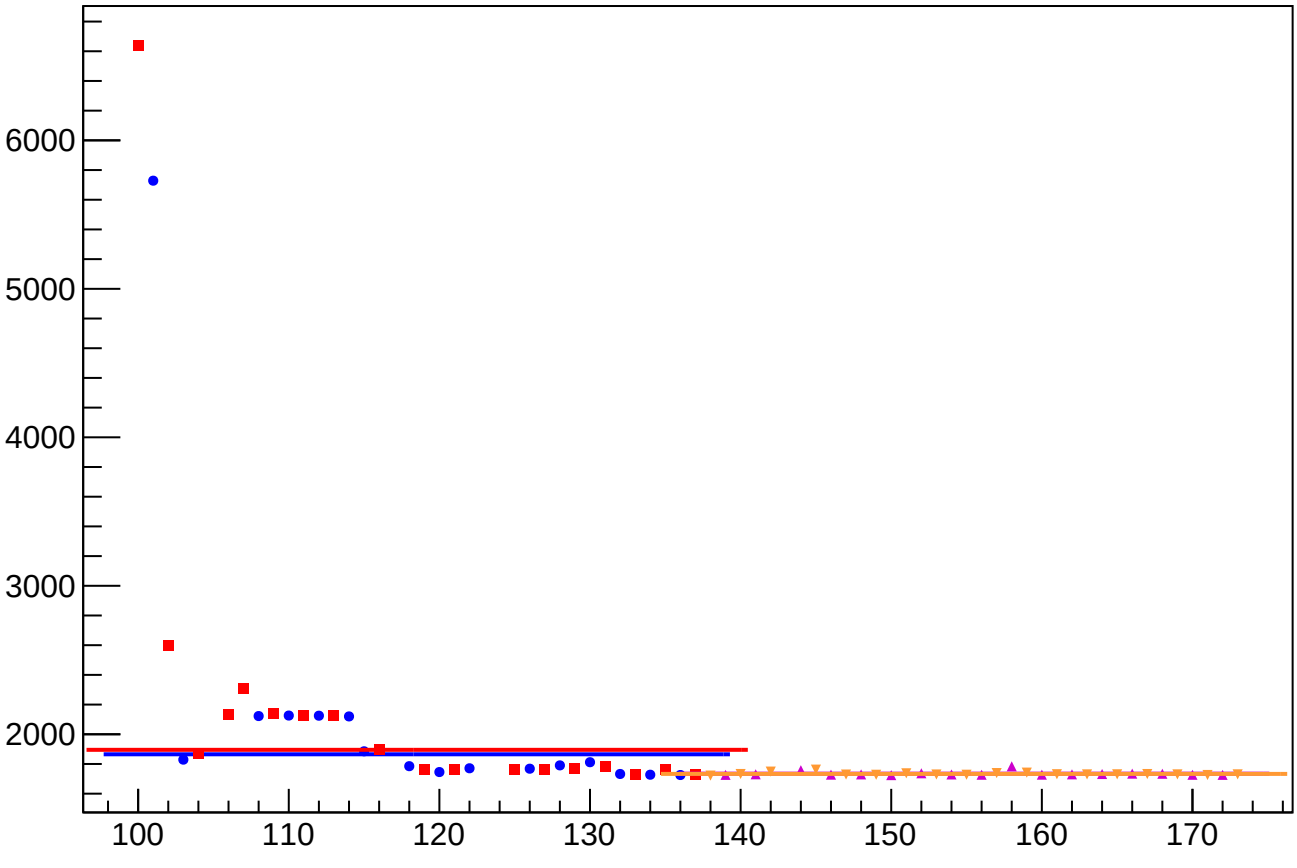
Left: -202.041+/-326.218 χ^2/NDF: 36.5/34

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: -10.041+/-387.821 χ^2/NDF:35.9/32

Out: -149.537+/-386.205 χ^2/NDF:38.5/35

All: -80.080+/-273.658 χ^2/NDF: 74.5/68



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1733.118+/-0.325 χ^2/NDF:744.2/17

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1734.811+/-0.327 χ^2/NDF:1959.8/16

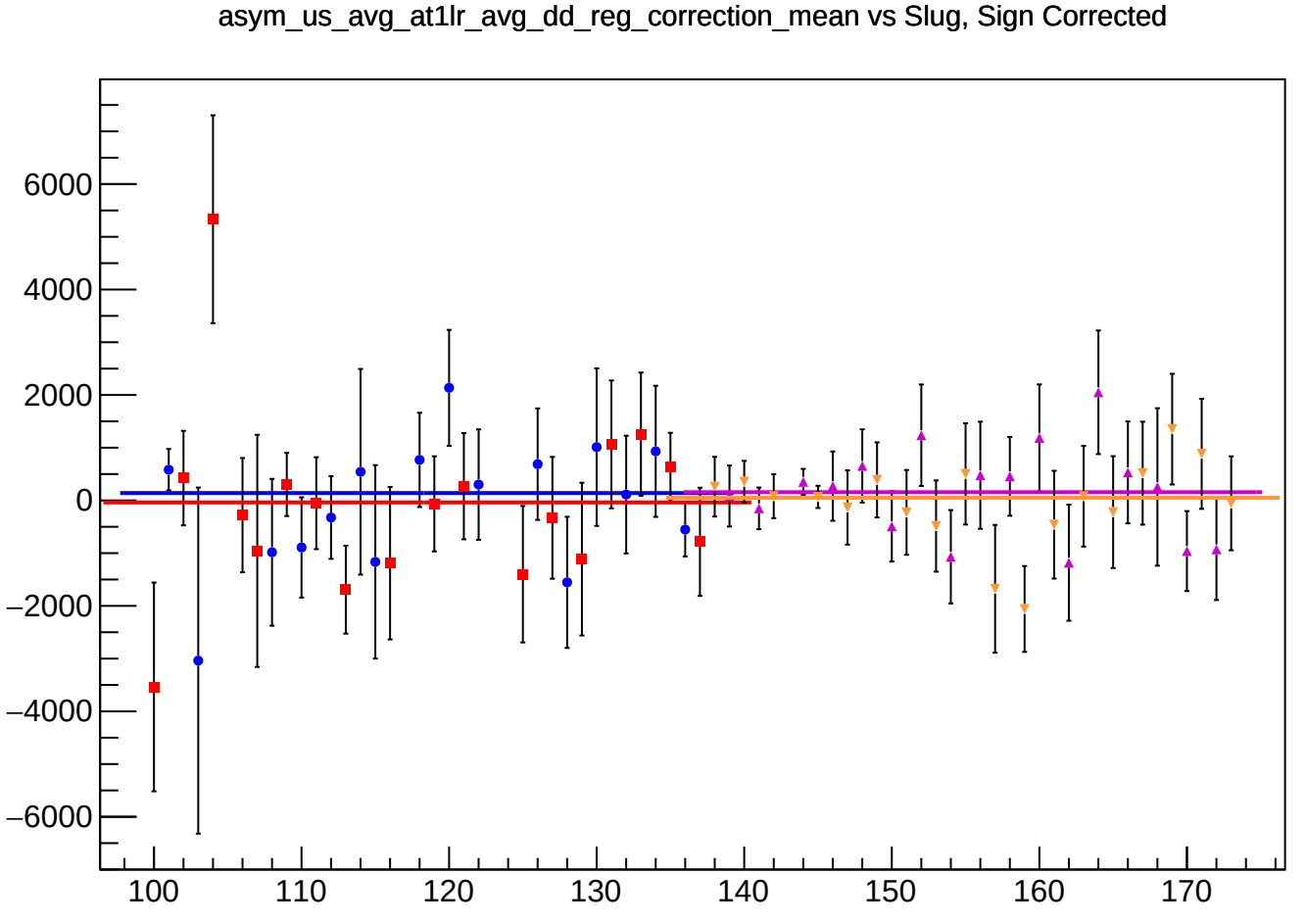
Left: 1733.958+/-0.231 χ^2/NDF: 2717.5/34

Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

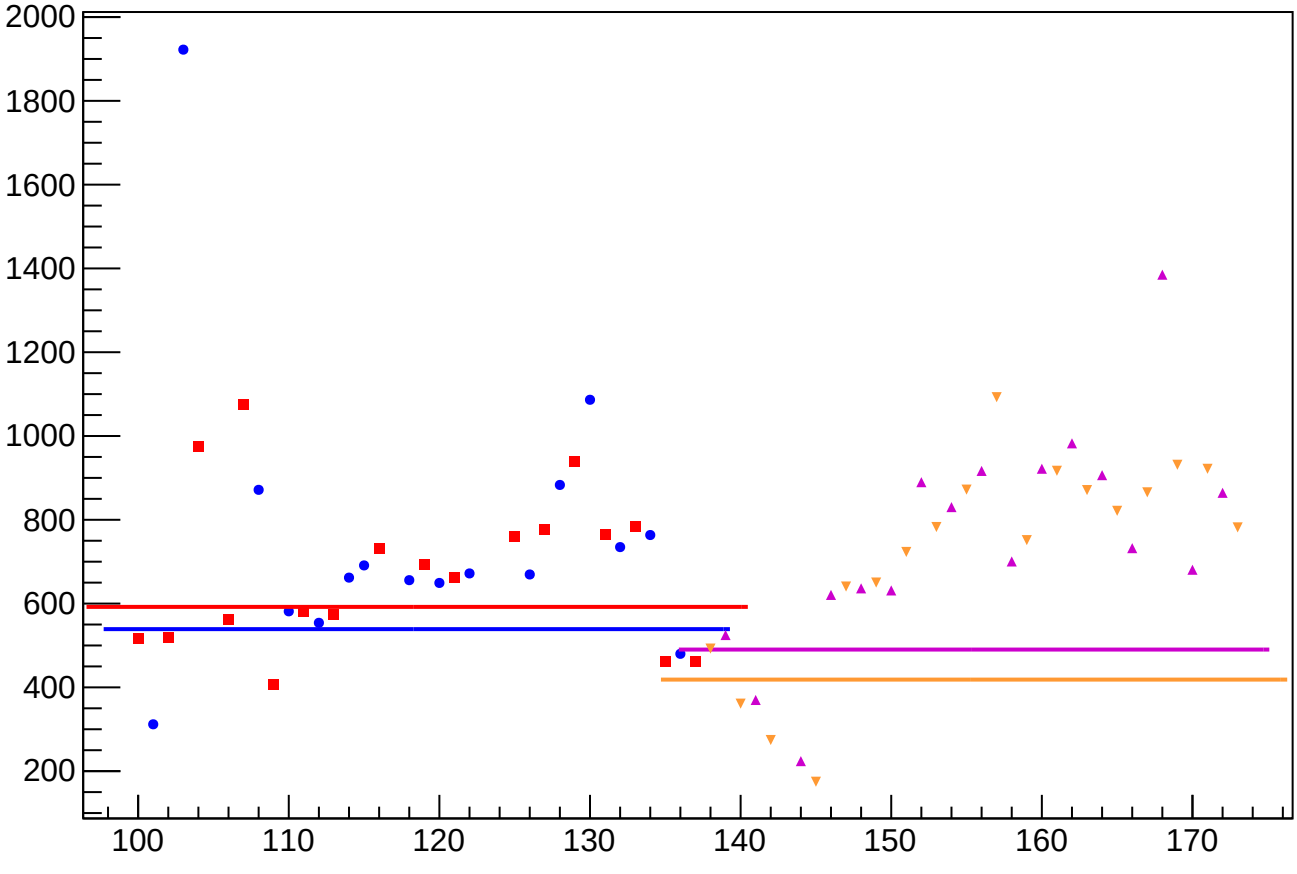
In: 1773.738+/-0.274 χ^2/NDF:722012.8/32

Out: 1780.779+/-0.273 χ^2/NDF:324706.8/35

All: 1777.273+/-0.194 χ^2/NDF: 1047050.5/68


asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: 139.799+/-220.100 χ²/NDF: 13.5/15
Left Out: 51.096+/-134.651 χ²/NDF:13.2/17
Right Out: -38.629+/-238.253 χ²/NDF: 21.4/17
Left In: 156.039+/-149.655 χ²/NDF:14.9/16
Left: 98.044+/-100.098 χ²/NDF: 28.4/34
Right: 57.640+/-161.672 χ²/NDF: 35.2/33
In: 150.904+/-123.757 χ²/NDF:28.4/32
Out: 29.375+/-117.225 χ²/NDF:34.7/35
All: 86.848+/-85.106 χ²/NDF: 63.6/68

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: 418.551+/-0.095 χ^2/NDF:8369176.5/17

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 490.238+/-0.106 χ^2/NDF:6249021.2/16

Left: 450.621+/-0.071 χ^2/NDF: 14871803.0/34

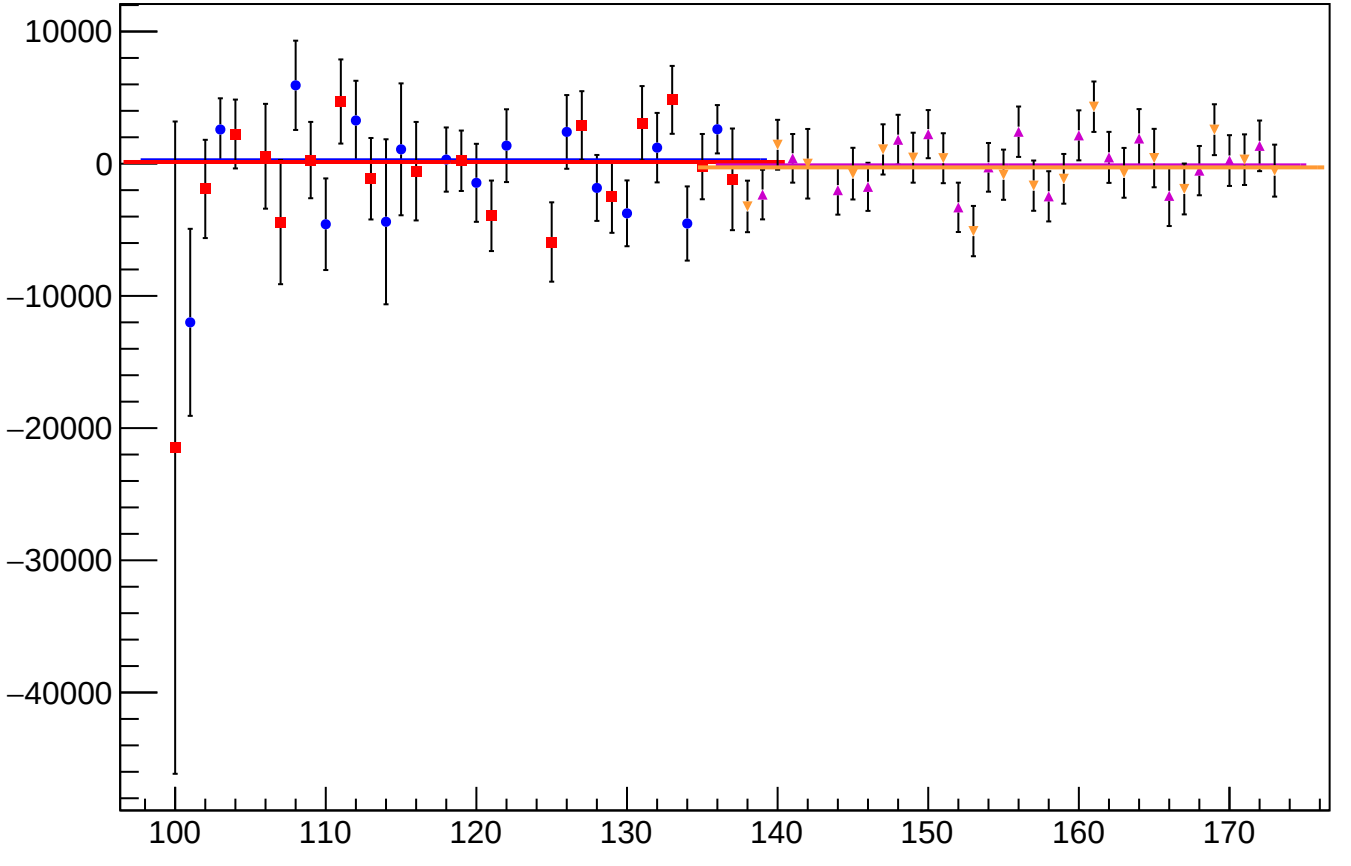
Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 505.659+/-0.088 χ^2/NDF:8170772.6/32

Out: 460.564+/-0.083 χ^2/NDF:10016554.7/35

All: 481.890+/-0.060 χ^2/NDF: 18327294.8/68

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -278.103+/-459.625 χ^2/NDF:20.2/17

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -124.824+/-463.077 χ^2/NDF:16.3/16

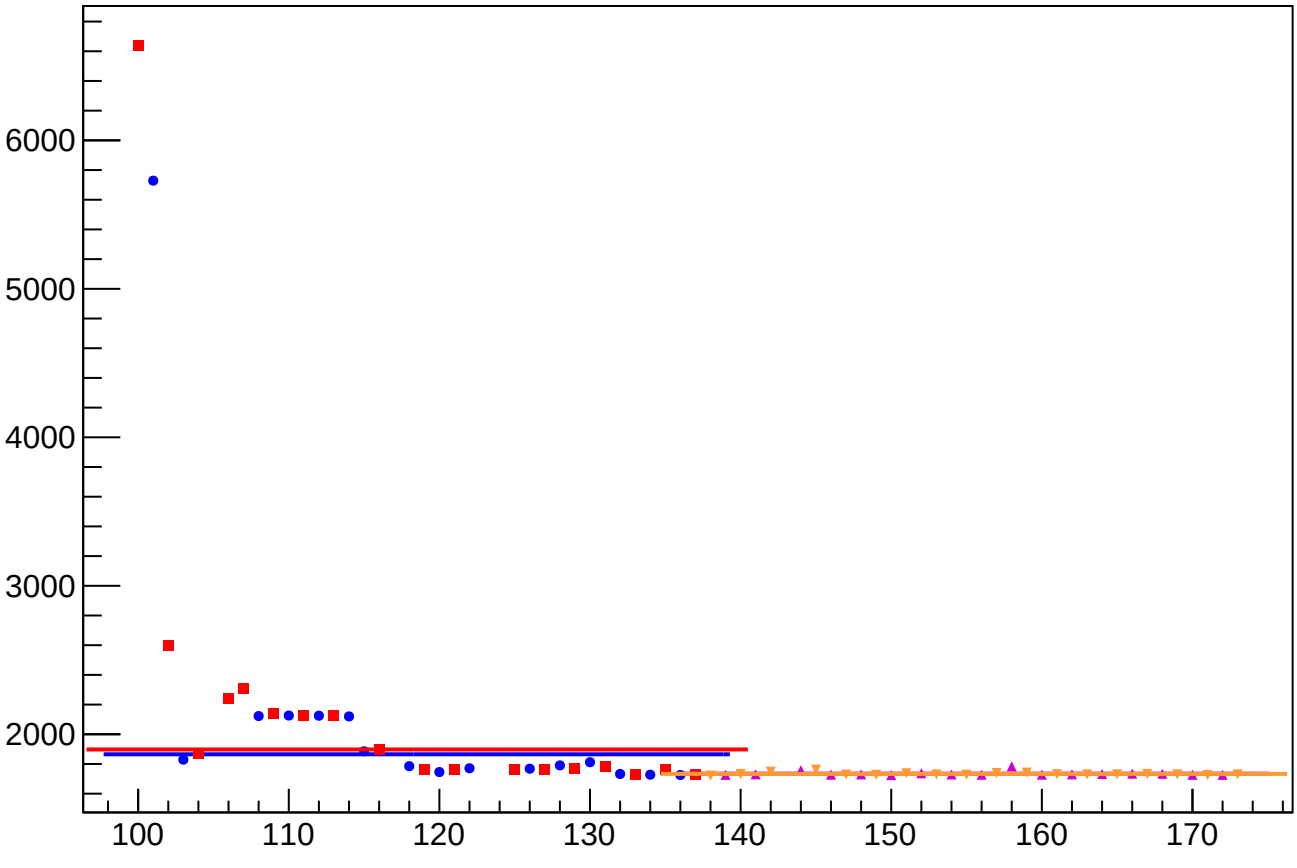
Left: -202.037+/-326.218 χ^2/NDF: 36.5/34

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -10.002+/-387.821 χ^2/NDF:35.9/32

Out: -158.456+/-386.429 χ^2/NDF:38.4/35

All: -84.496+/-273.737 χ^2/NDF: 74.4/68



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1733.118+/-0.325 χ^2/NDF:744.2/17

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.811+/-0.327 χ^2/NDF:1959.8/16

Left: 1733.958+/-0.231 χ^2/NDF: 2717.5/34

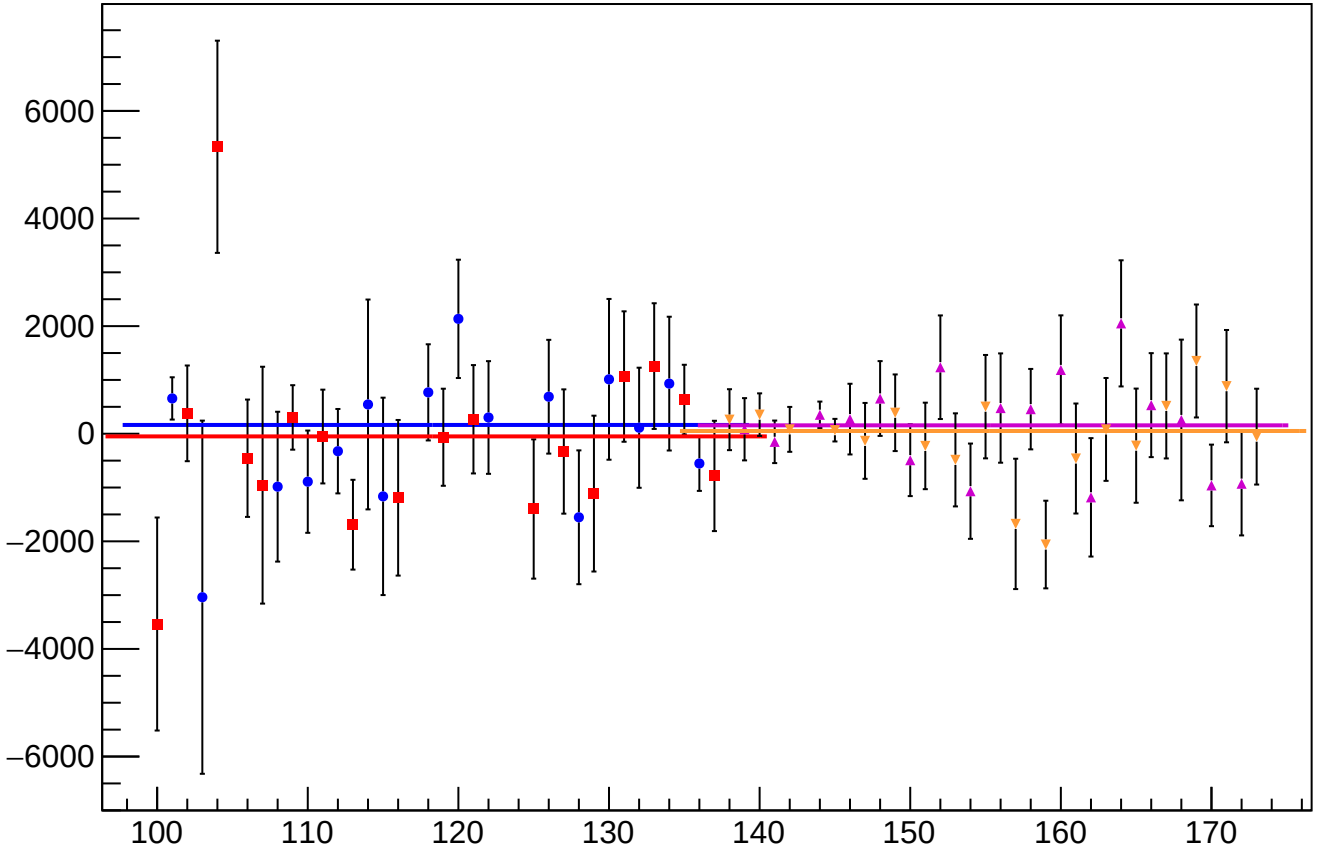
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1773.738+/-0.274 χ^2/NDF:722012.6/32

Out: 1781.364+/-0.273 χ^2/NDF:333653.1/35

All: 1777.565+/-0.194 χ^2/NDF: 1056053.8/68

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: 50.975+/-134.653 χ^2/NDF:13.2/17

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 156.021+/-149.655 χ^2/NDF:14.9/16

Left: 97.970+/-100.099 χ^2/NDF: 28.4/34

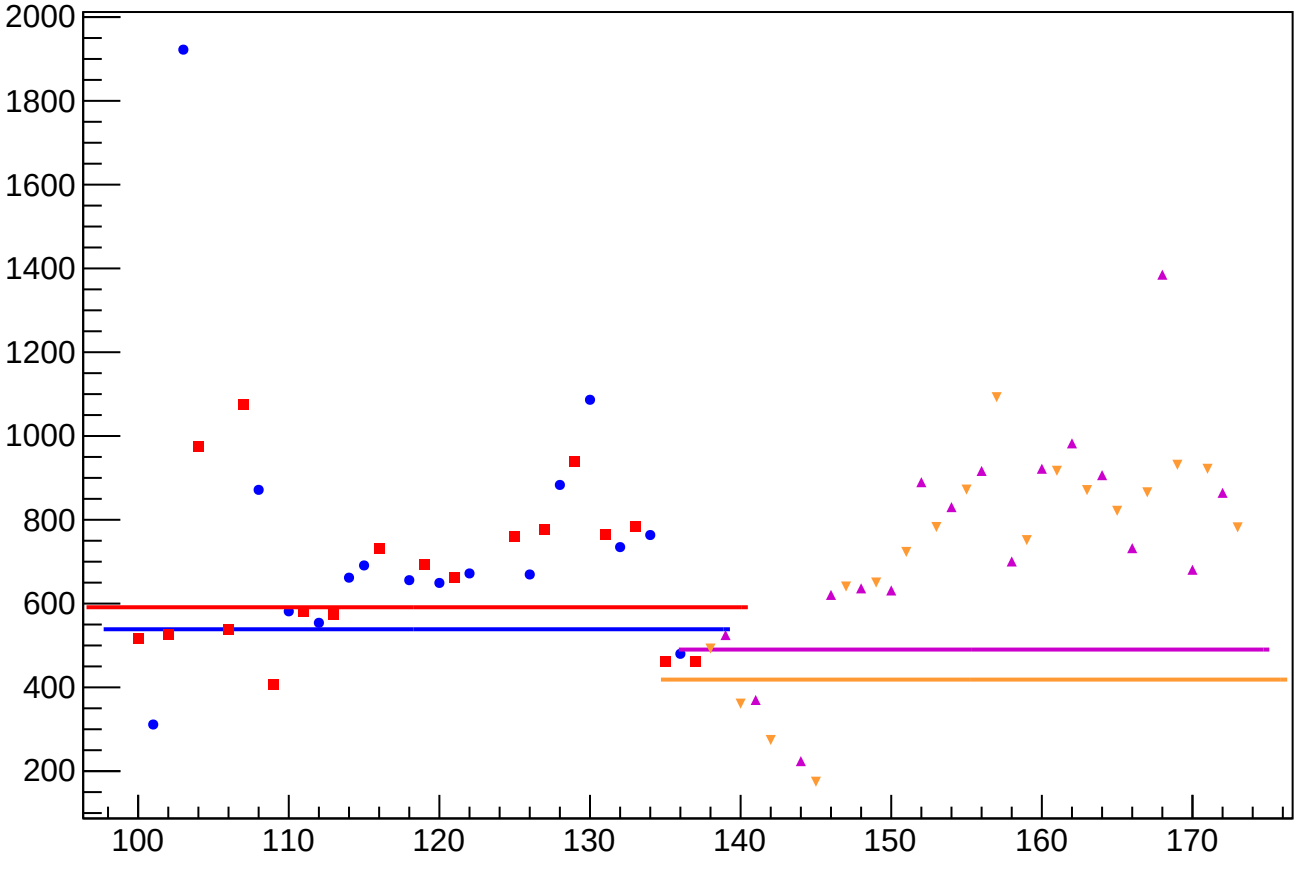
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 158.276+/-123.744 χ^2/NDF:28.8/32

Out: 26.614+/-117.220 χ^2/NDF:34.8/35

All: 88.883+/-85.100 χ^2/NDF: 64.2/68

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: 418.560+/-0.095 χ^2/NDF:8368857.6/17

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 490.245+/-0.106 χ^2/NDF:6248616.9/16

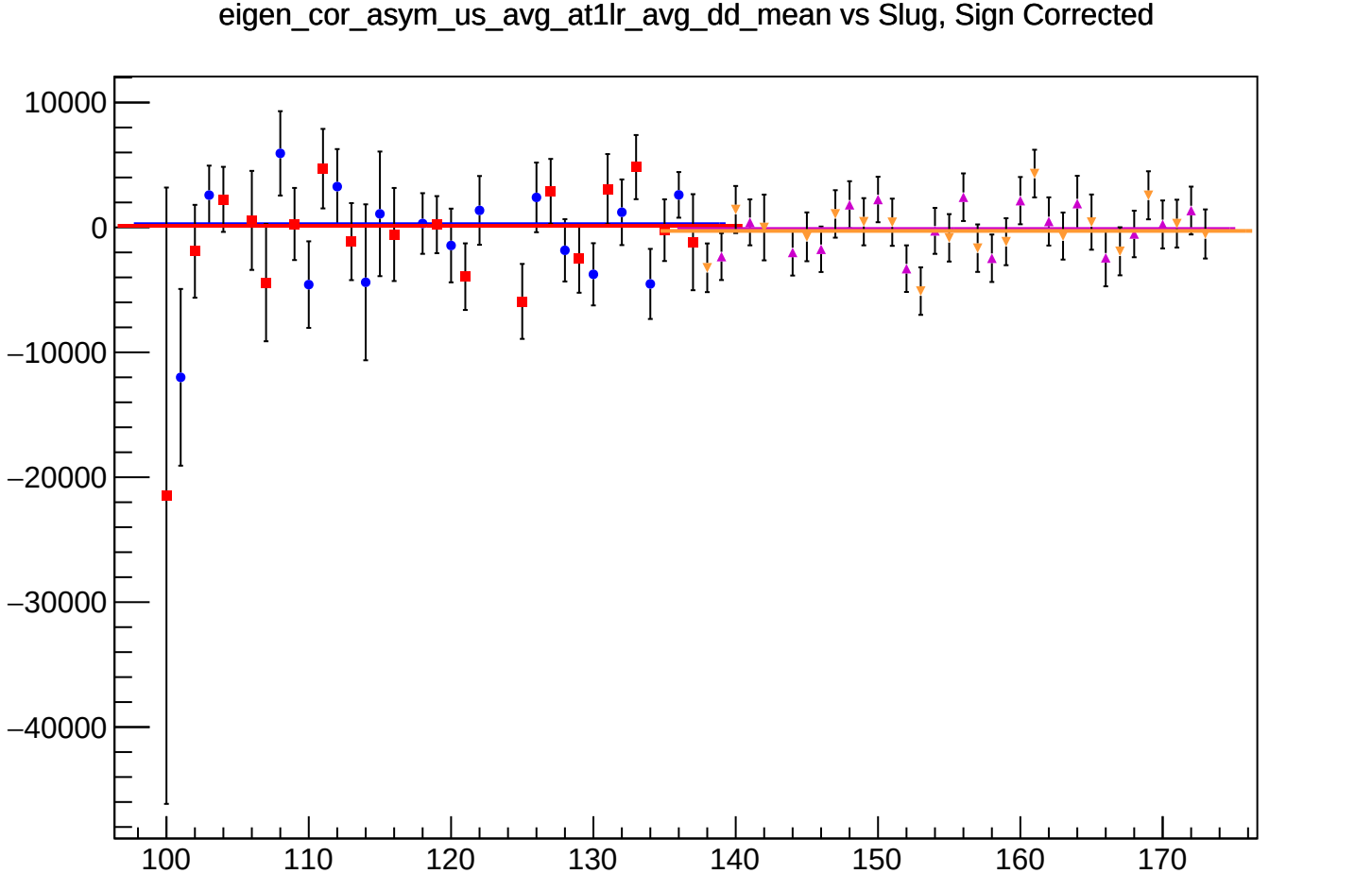
Left: 450.631+/-0.071 χ^2/NDF: 14871063.4/34

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 505.573+/-0.088 χ^2/NDF:8173835.2/32

Out: 460.379+/-0.083 χ^2/NDF:10009945.8/35

All: 481.753+/-0.060 χ^2/NDF: 18324384.7/68



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -278.103+/-459.625 χ^2/NDF:20.2/17

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -124.824+/-463.077 χ^2/NDF:16.3/16

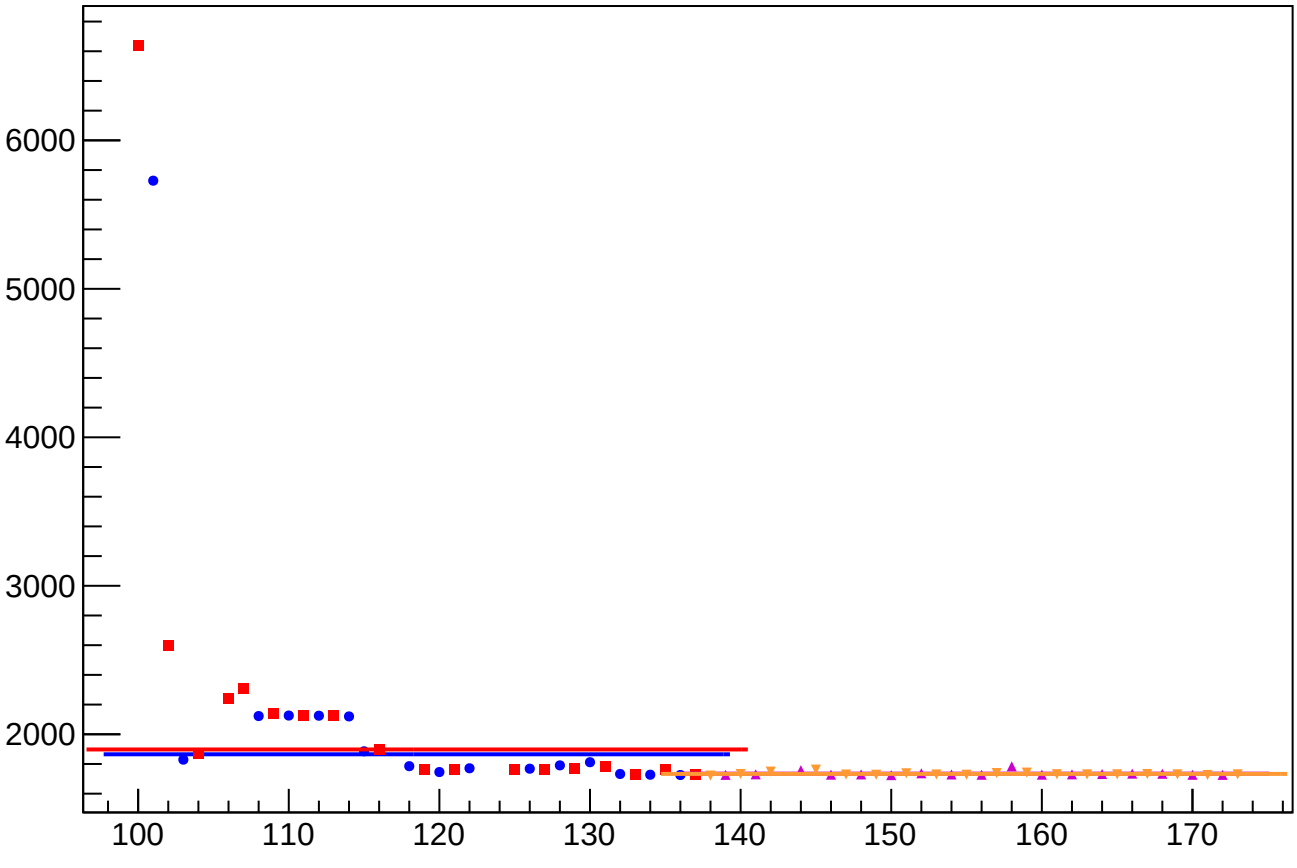
Left: -202.037+/-326.218 χ^2/NDF: 36.5/34

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -10.002+/-387.821 χ^2/NDF:35.9/32

Out: -158.456+/-386.429 χ^2/NDF:38.4/35

All: -84.496+/-273.737 χ^2/NDF: 74.4/68



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1733.118+/-0.325 χ^2/NDF:744.2/17

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.811+/-0.327 χ^2/NDF:1959.8/16

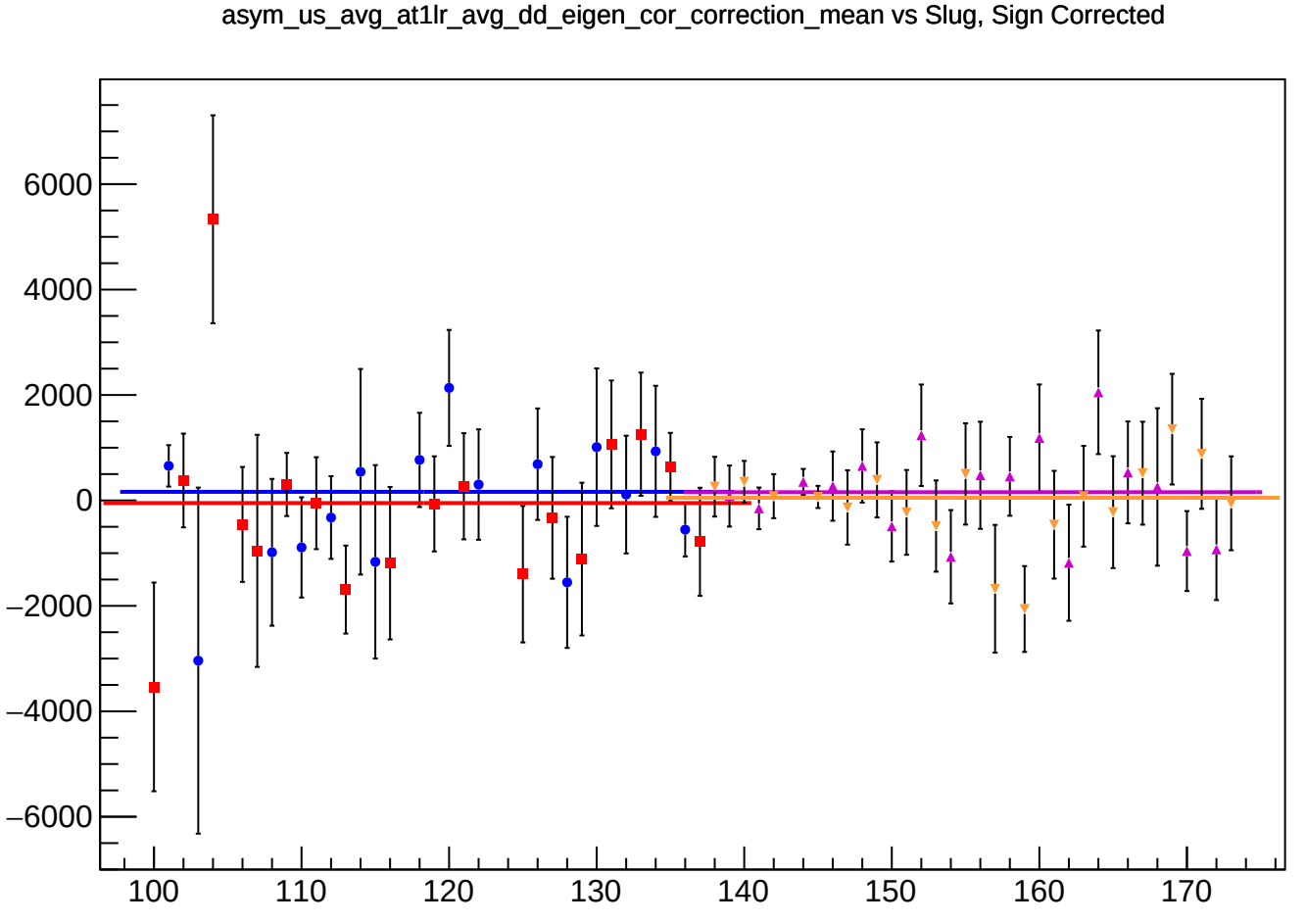
Left: 1733.958+/-0.231 χ^2/NDF: 2717.5/34

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1773.738+/-0.274 χ^2/NDF:722012.6/32

Out: 1781.364+/-0.273 χ^2/NDF:333653.1/35

All: 1777.565+/-0.194 χ^2/NDF: 1056053.8/68



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 50.975+/-134.653 χ^2/NDF:13.2/17

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 156.021+/-149.655 χ^2/NDF:14.9/16

Left: 97.970+/-100.099 χ^2/NDF: 28.4/34

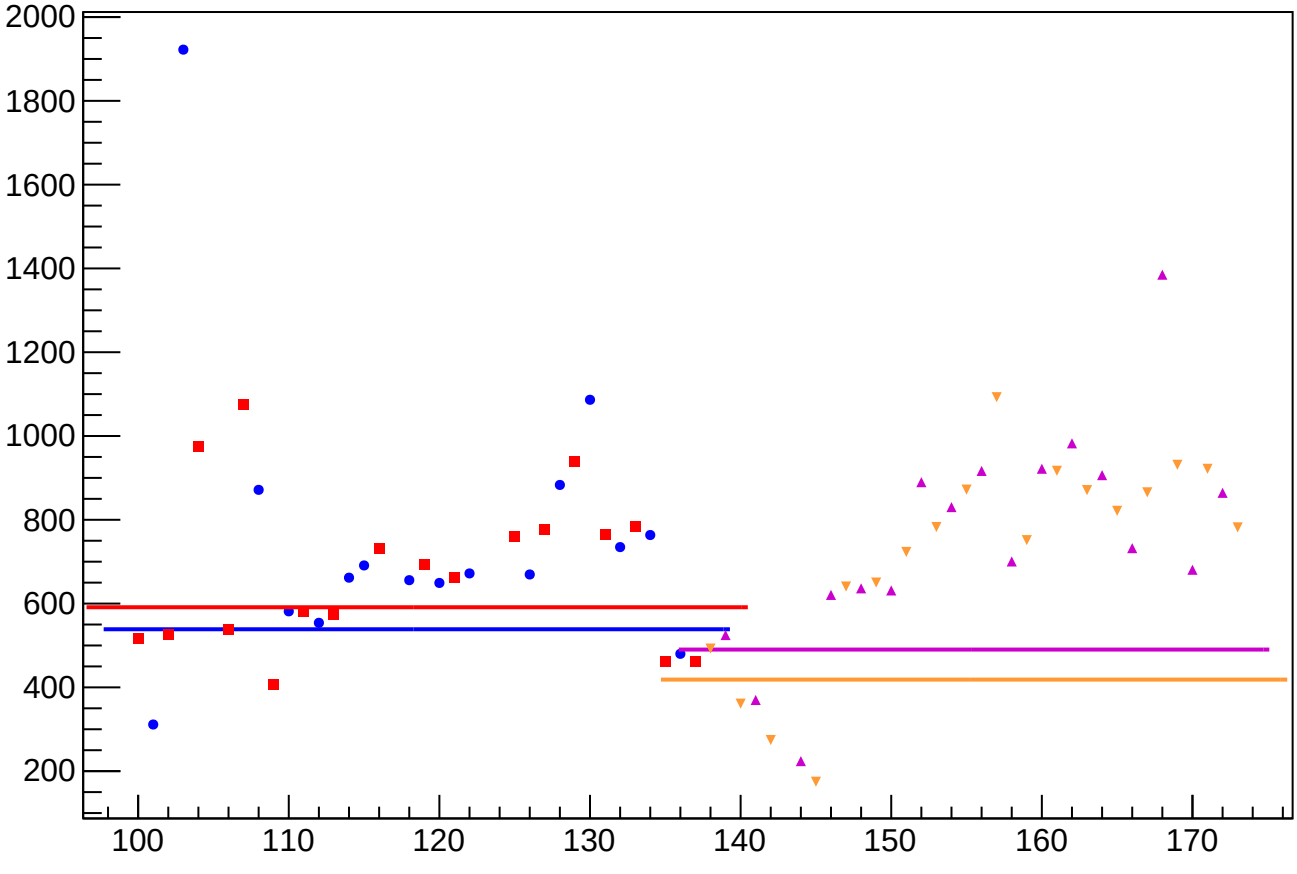
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 158.276+/-123.744 χ^2/NDF:28.8/32

Out: 26.614+/-117.220 χ^2/NDF:34.8/35

All: 88.883+/-85.100 χ^2/NDF: 64.2/68

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: 418.560+/-0.095 χ^2/NDF:8368857.6/17

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 490.245+/-0.106 χ^2/NDF:6248616.9/16

Left: 450.631+/-0.071 χ^2/NDF: 14871063.4/34

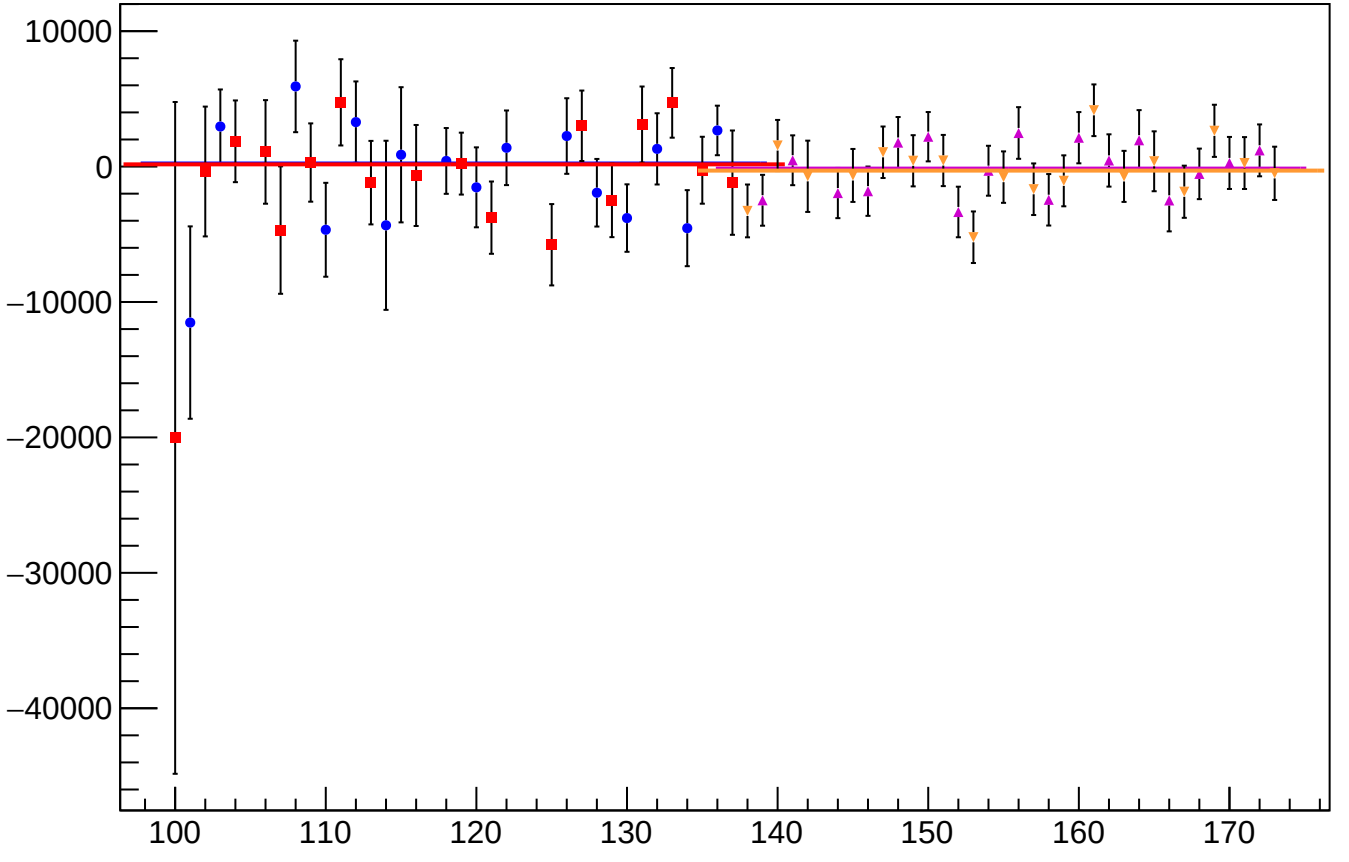
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 505.573+/-0.088 χ^2/NDF:8173835.2/32

Out: 460.379+/-0.083 χ^2/NDF:10009945.8/35

All: 481.753+/-0.060 χ^2/NDF: 18324384.7/68

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: -296.934+/-459.928 χ^2/NDF:20.3/17

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -149.844+/-463.374 χ^2/NDF:16.6/16

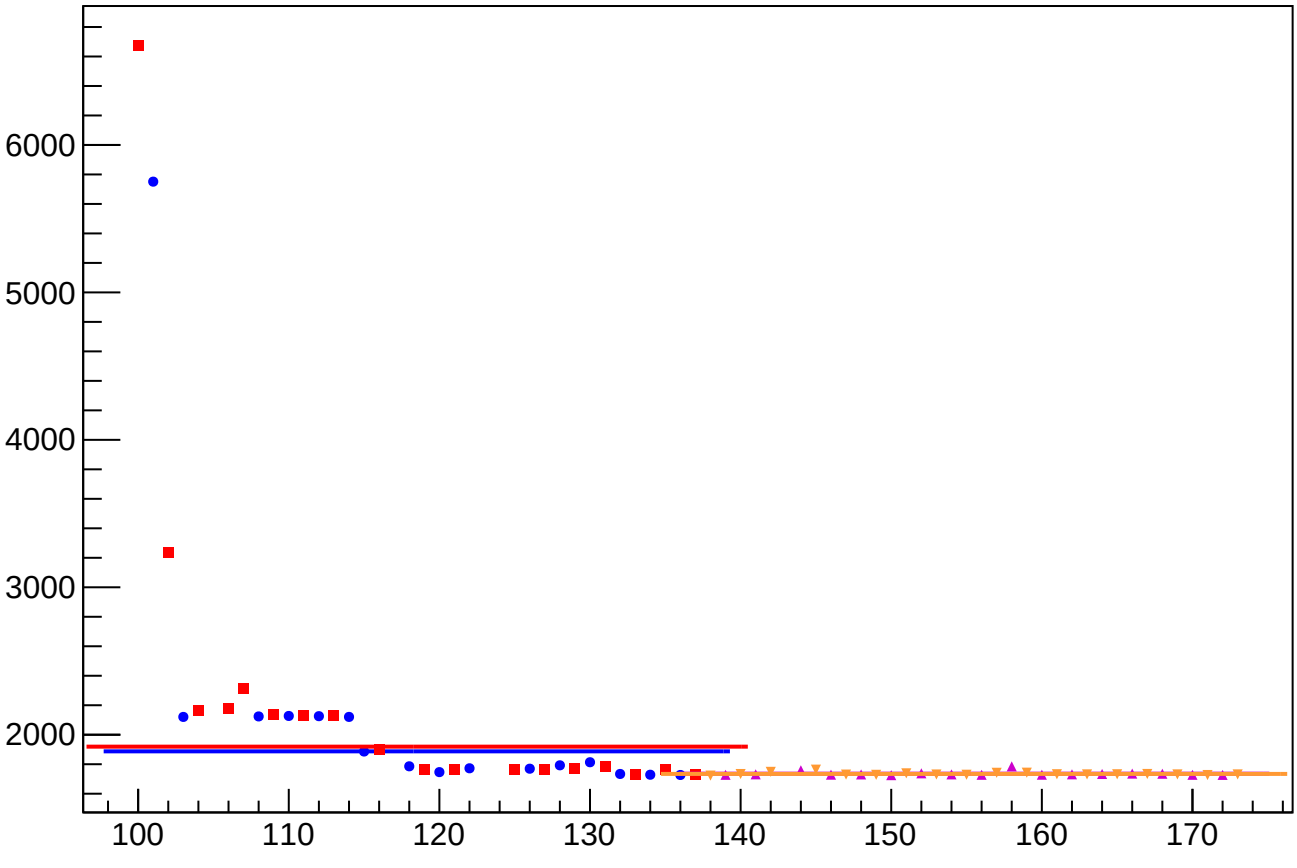
Left: -223.938+/-326.430 χ^2/NDF: 36.9/34

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: -39.387+/-389.424 χ^2/NDF:36.2/32

Out: -164.955+/-388.494 χ^2/NDF:37.6/35

All: -102.321+/-275.035 χ^2/NDF: 73.8/68



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1734.261+/-0.325 χ^2/NDF:753.1/17

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1735.921+/-0.328 χ^2/NDF:1961.3/16

Left: 1735.085+/-0.231 χ^2/NDF: 2727.3/34

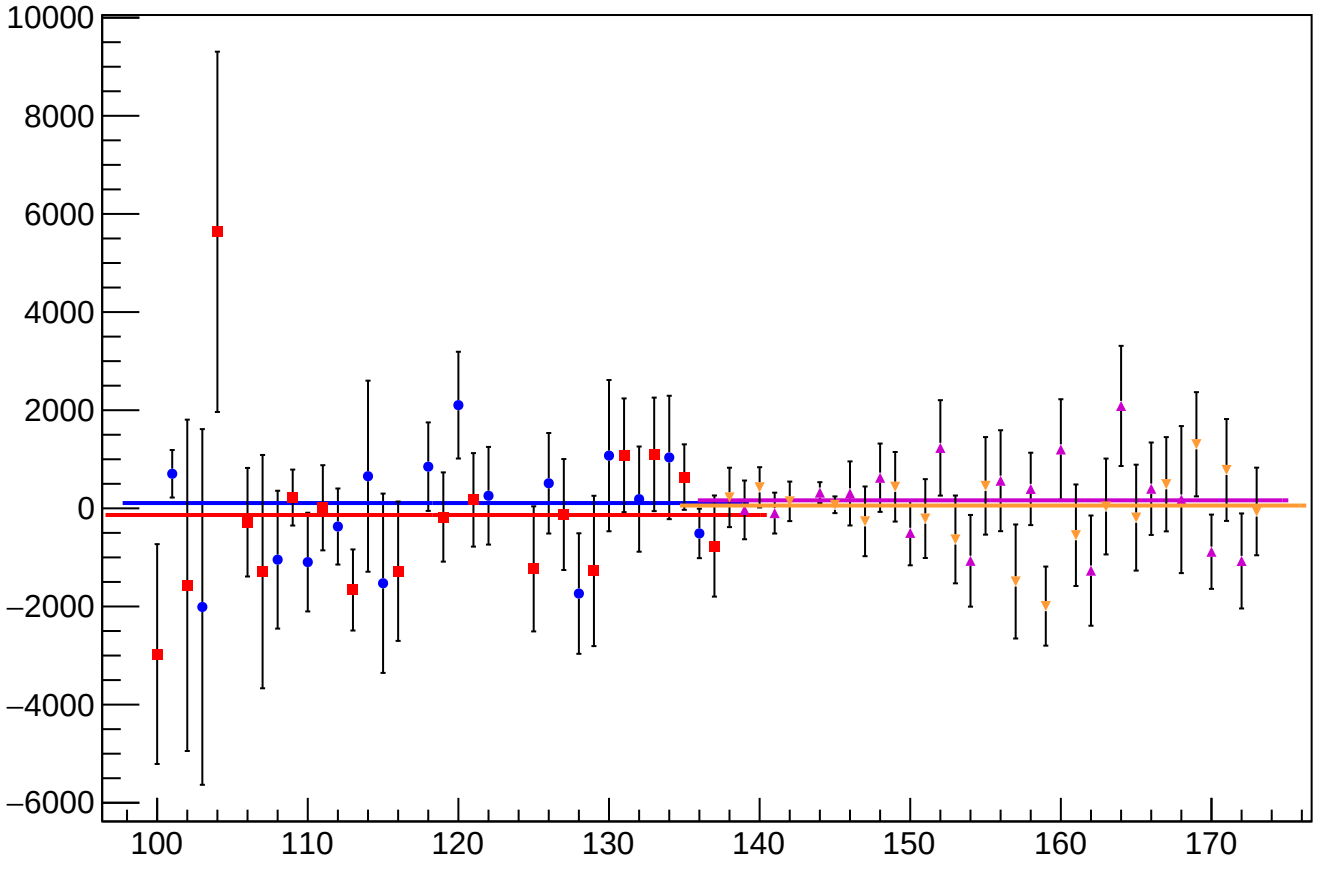
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1780.386+/-0.275 χ^2/NDF:754105.7/32

Out: 1787.237+/-0.275 χ^2/NDF:445934.5/35

All: 1783.820+/-0.194 χ^2/NDF: 1200350.5/68

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: 57.051+/-122.751 χ^2/NDF:13.0/17

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 163.522+/-142.517 χ^2/NDF:14.5/16

Left: 102.397+/-93.008 χ^2/NDF: 27.8/34

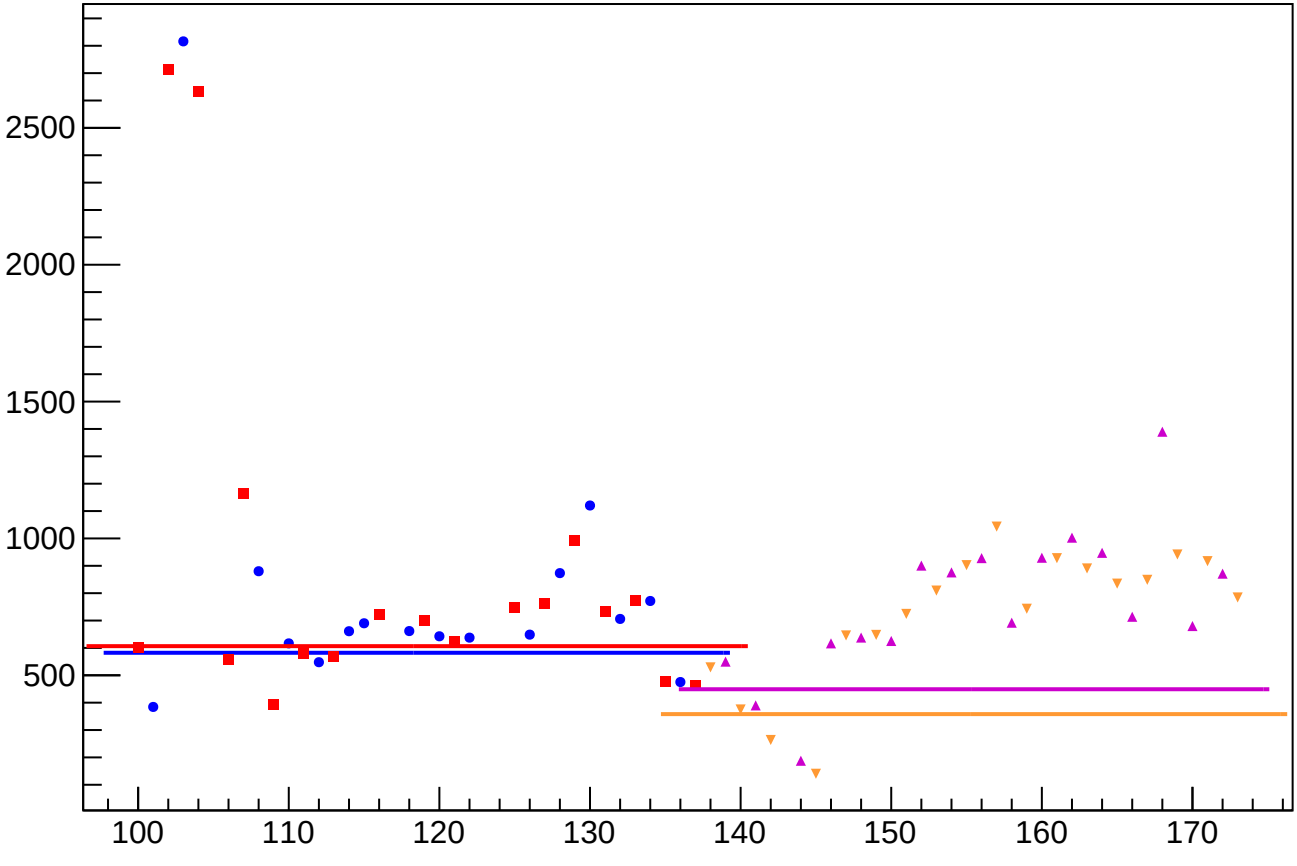
Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 148.319+/-121.393 χ^2/NDF:28.7/32

Out: 18.677+/-109.830 χ^2/NDF:27.9/35

All: 77.031+/-81.444 χ^2/NDF: 57.2/68

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: 358.150+/-0.087 χ^2/NDF:10635166.8/17

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 449.028+/-0.101 χ^2/NDF:7819125.6/16

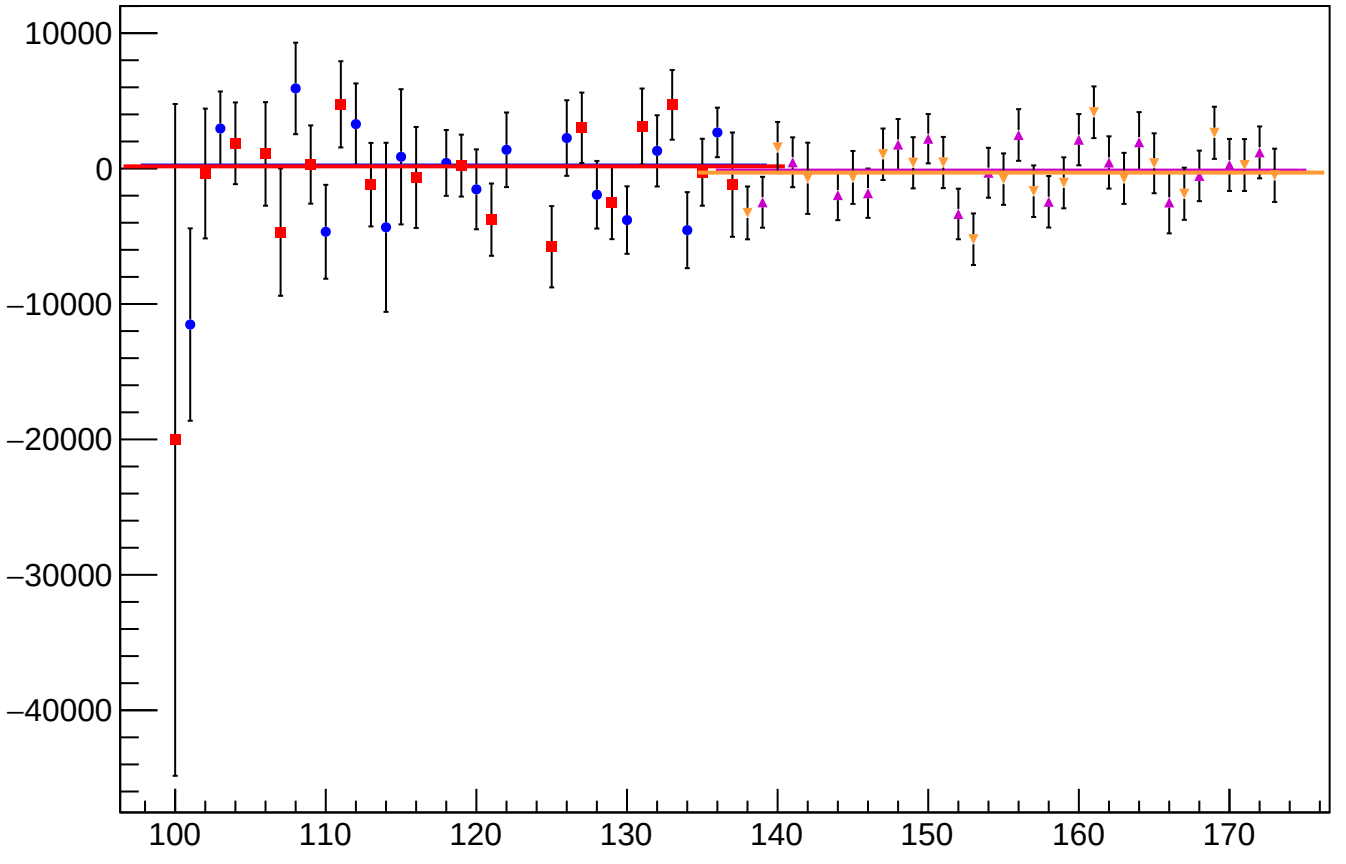
Left: 396.855+/-0.066 χ^2/NDF: 18921164.8/34

Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 485.599+/-0.086 χ^2/NDF:10053245.8/32

Out: 407.671+/-0.078 χ^2/NDF:14465660.1/35

All: 442.748+/-0.058 χ^2/NDF: 24972115.4/68



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -296.937+/-459.928 χ^2/NDF:20.3/17

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -149.843+/-463.374 χ^2/NDF:16.6/16

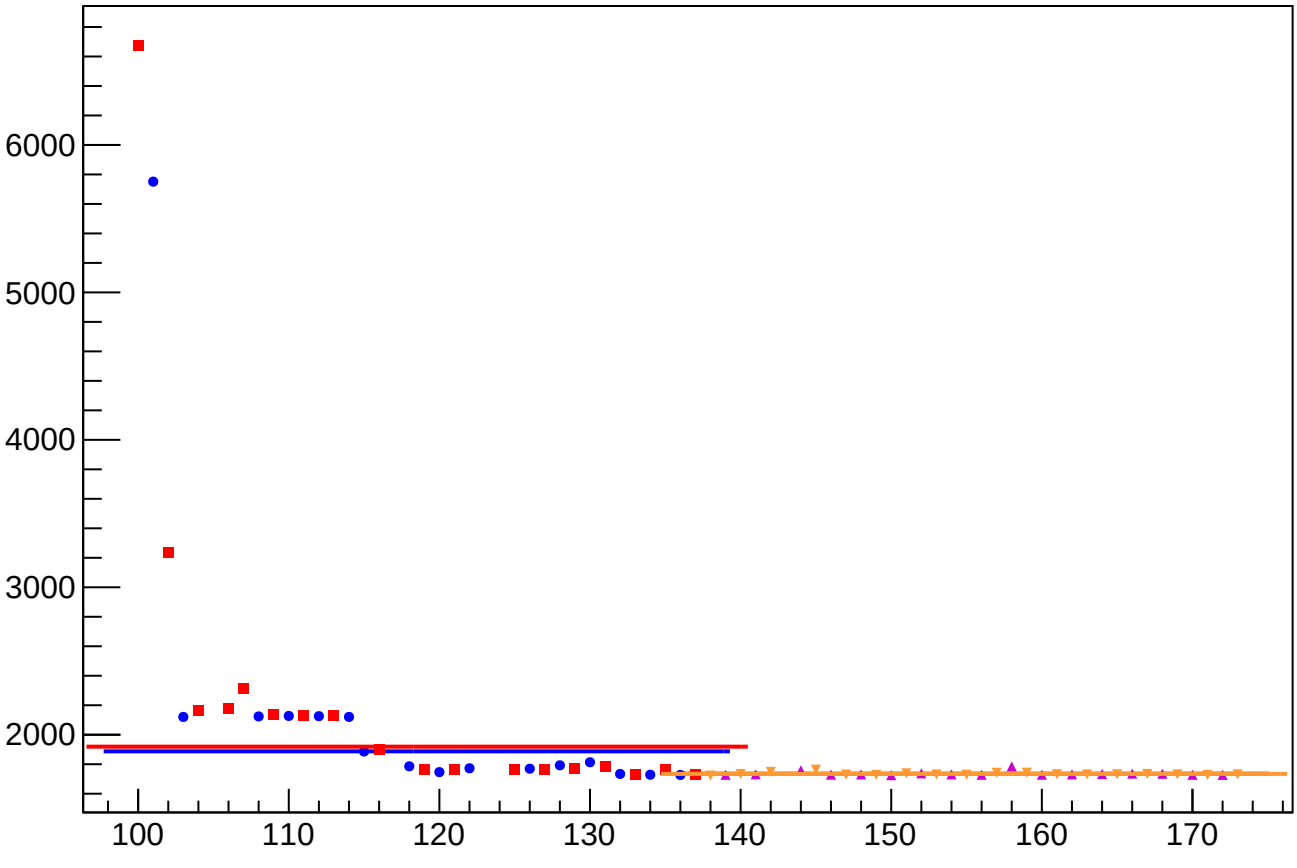
Left: -223.939+/-326.430 χ^2/NDF: 36.9/34

Right: 195.283+/-510.637 χ^2/NDF: 36.4/33

In: -39.386+/-389.424 χ^2/NDF:36.2/32

Out: -164.957+/-388.494 χ^2/NDF:37.6/35

All: -102.322+/-275.035 χ^2/NDF: 73.8/68



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1734.261+/-0.325 χ^2/NDF:753.1/17

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1735.921+/-0.328 χ^2/NDF:1961.3/16

Left: 1735.085+/-0.231 χ^2/NDF: 2727.3/34

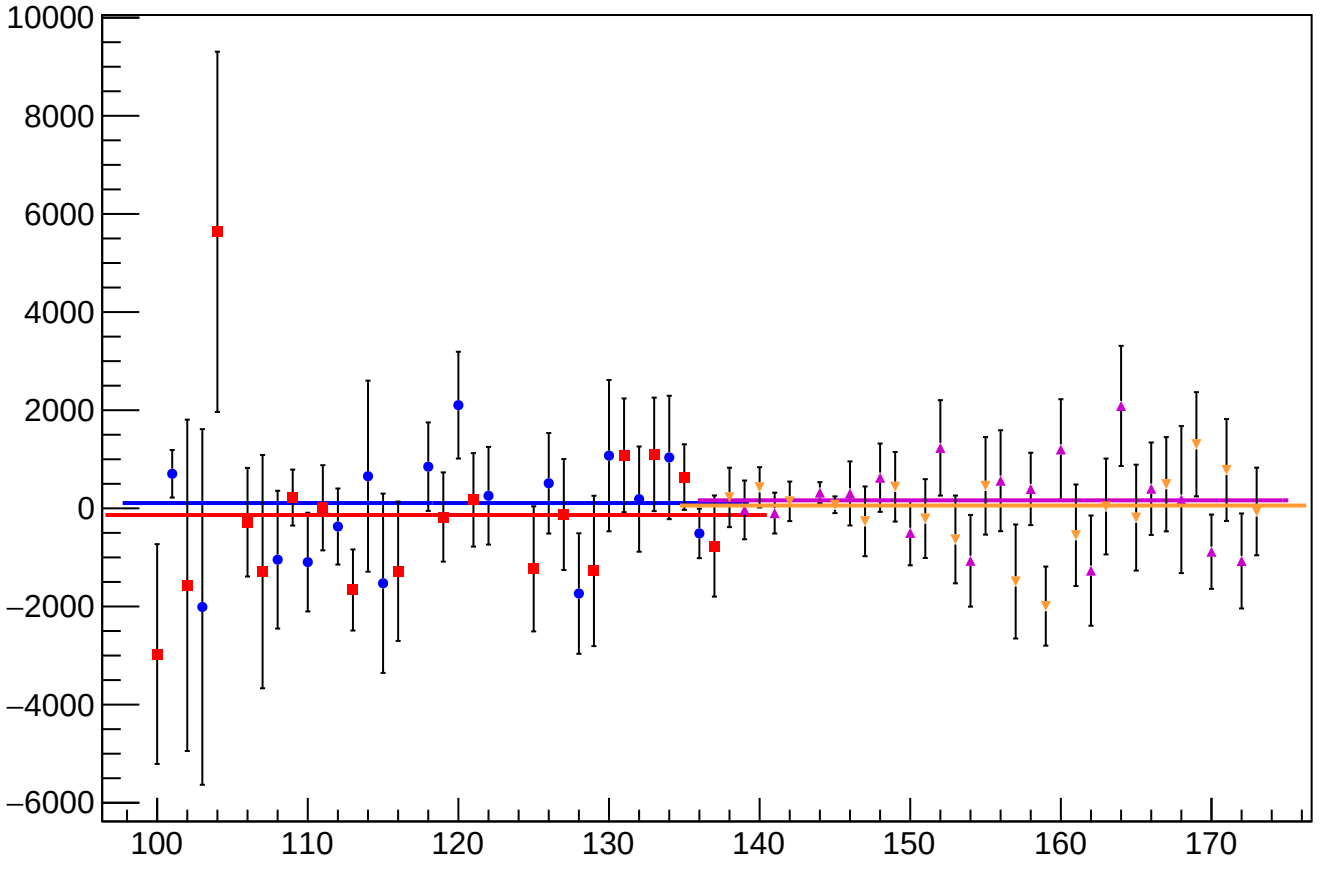
Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1780.386+/-0.275 χ^2/NDF:754105.3/32

Out: 1787.237+/-0.275 χ^2/NDF:445933.7/35

All: 1783.820+/-0.194 χ^2/NDF: 1200349.3/68

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 57.049+/-122.751 χ^2/NDF:13.0/17

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 163.523+/-142.517 χ^2/NDF:14.5/16

Left: 102.396+/-93.008 χ^2/NDF: 27.8/34

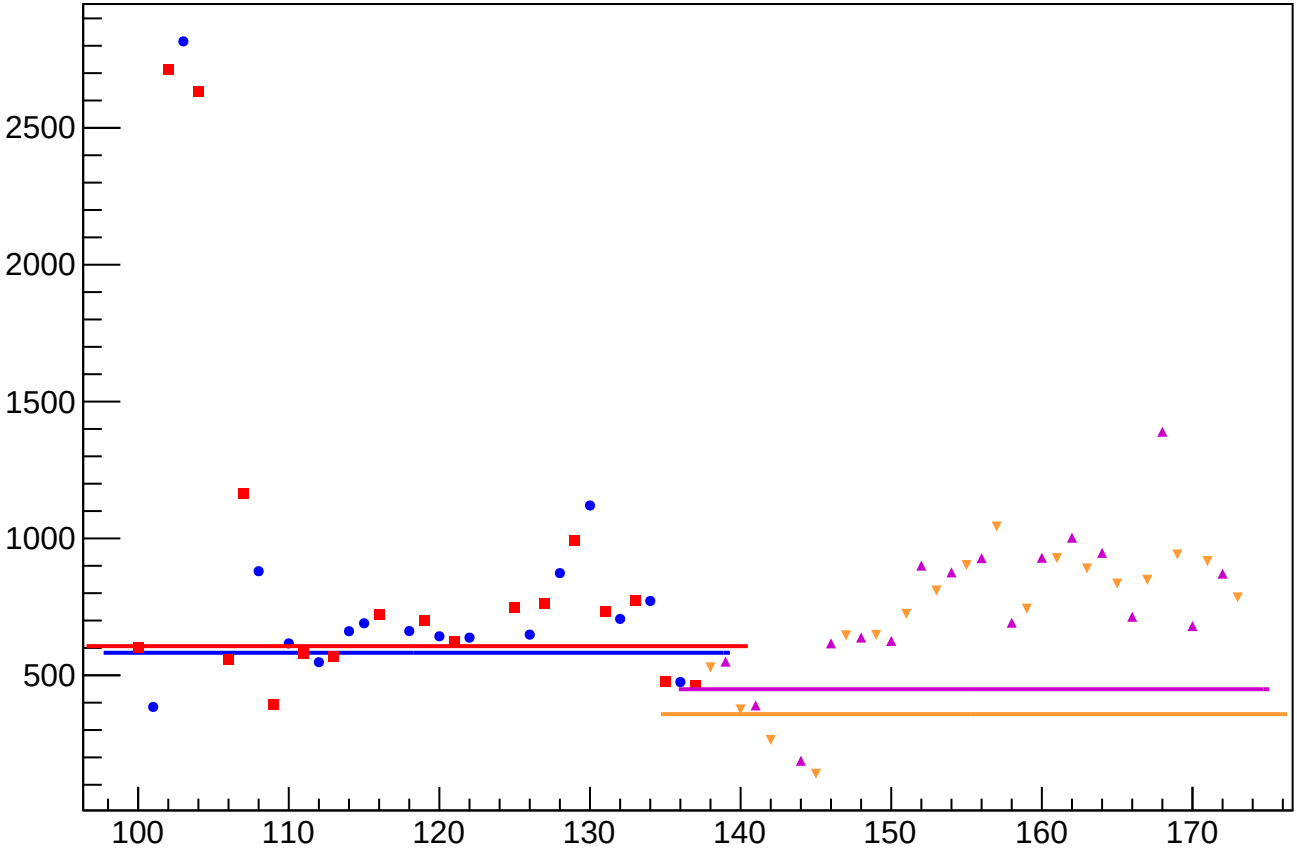
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 148.318+/-121.393 χ^2/NDF:28.7/32

Out: 18.676+/-109.830 χ^2/NDF:27.9/35

All: 77.030+/-81.444 χ^2/NDF: 57.2/68

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: 358.150+/-0.087 χ^2/NDF:10635204.0/17

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 449.028+/-0.101 χ^2/NDF:7819146.4/16

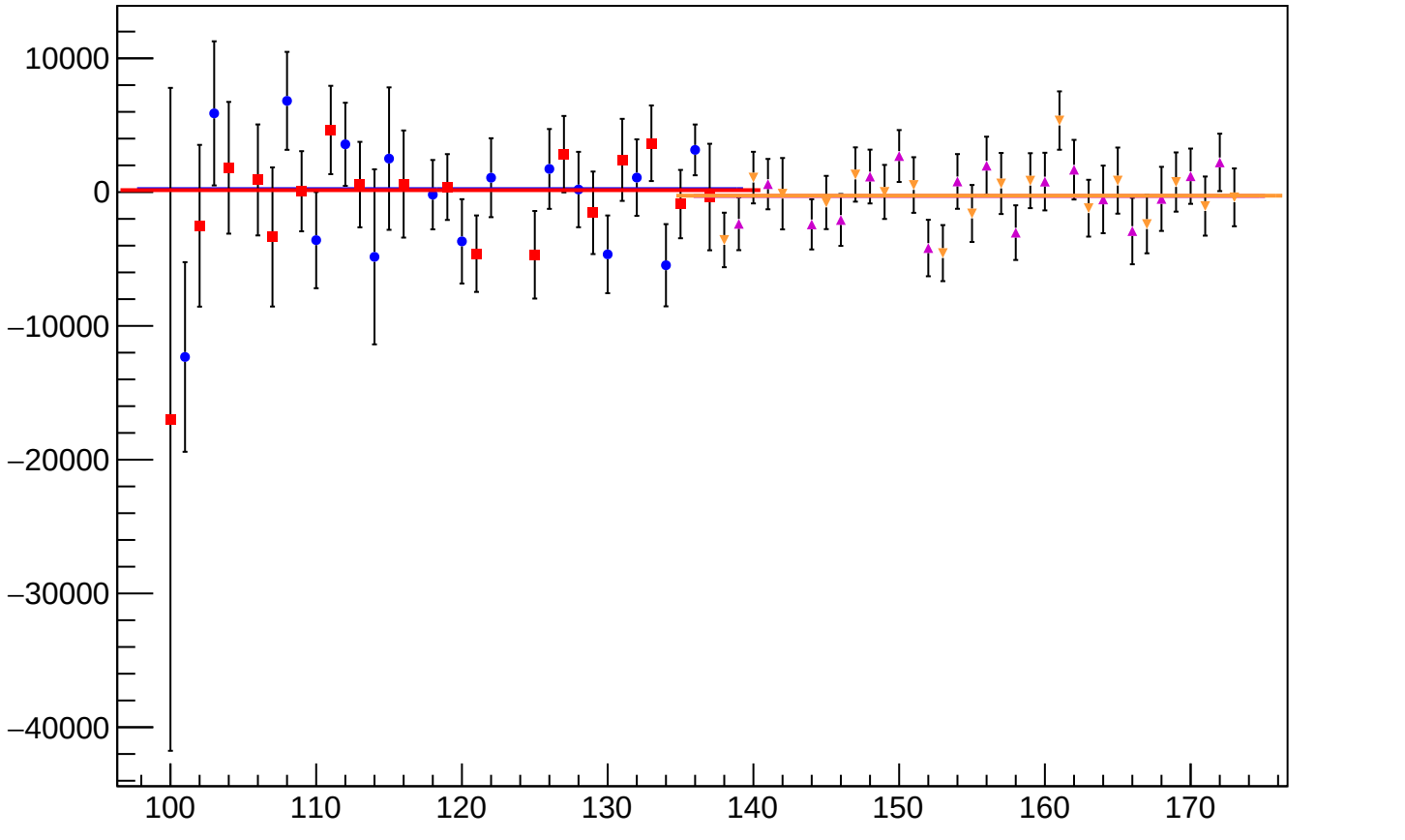
Left: 396.855+/-0.066 χ^2/NDF: 18921227.7/34

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 485.599+/-0.086 χ^2/NDF:10053239.6/32

Out: 407.671+/-0.078 χ^2/NDF:14465677.3/35

All: 442.747+/-0.058 χ^2/NDF: 24972131.7/68



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -265.913+/-504.617 χ^2/NDF:17.3/17

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: -285.430+/-507.679 χ^2/NDF:17.0/16

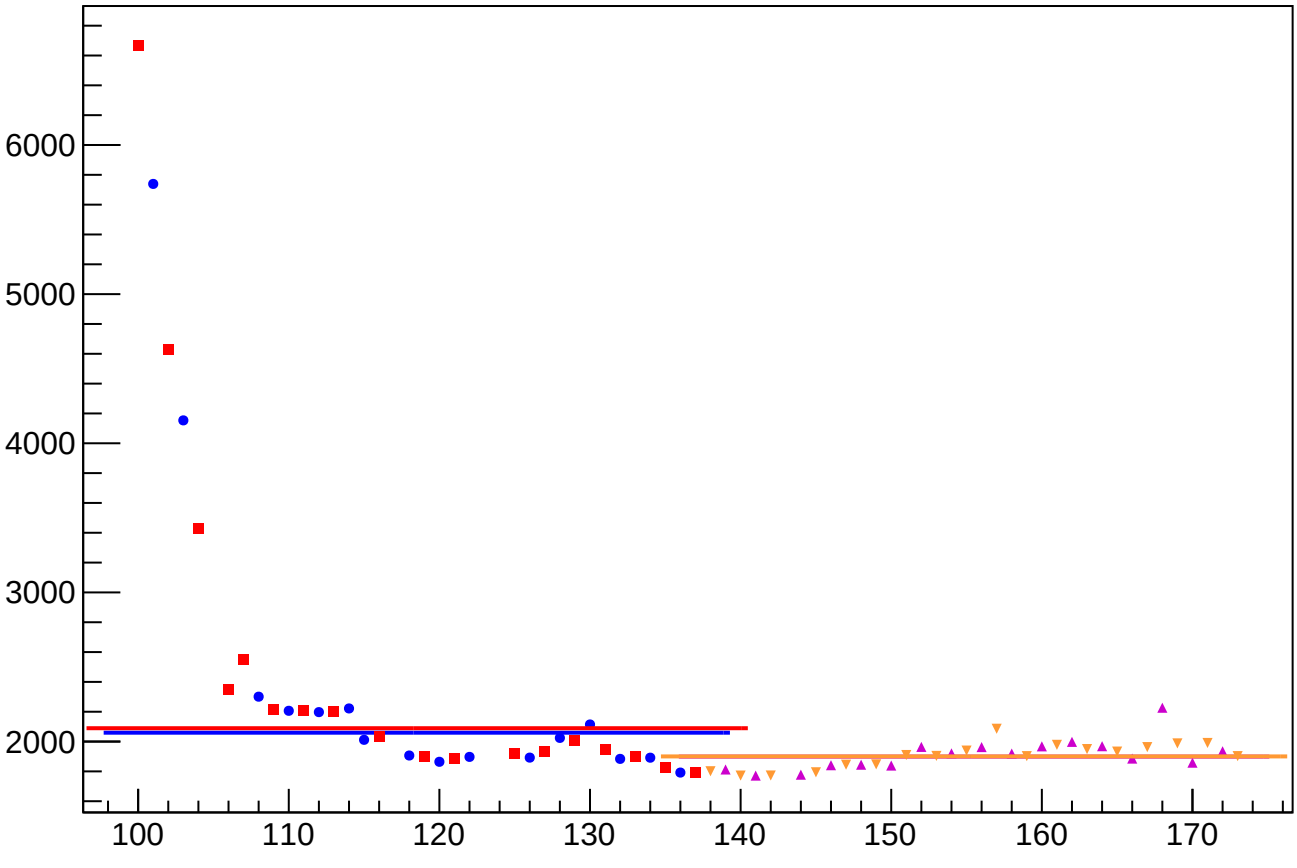
Left: -275.613+/-357.896 χ^2/NDF: 34.3/34

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: -136.832+/-427.357 χ^2/NDF:38.5/32

Out: -146.875+/-425.913 χ^2/NDF:29.1/35

All: -141.871+/-301.675 χ^2/NDF: 67.5/68



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1900.370+/-0.357 χ^2/NDF:52767.6/17

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1899.109+/-0.359 χ^2/NDF:76921.7/16

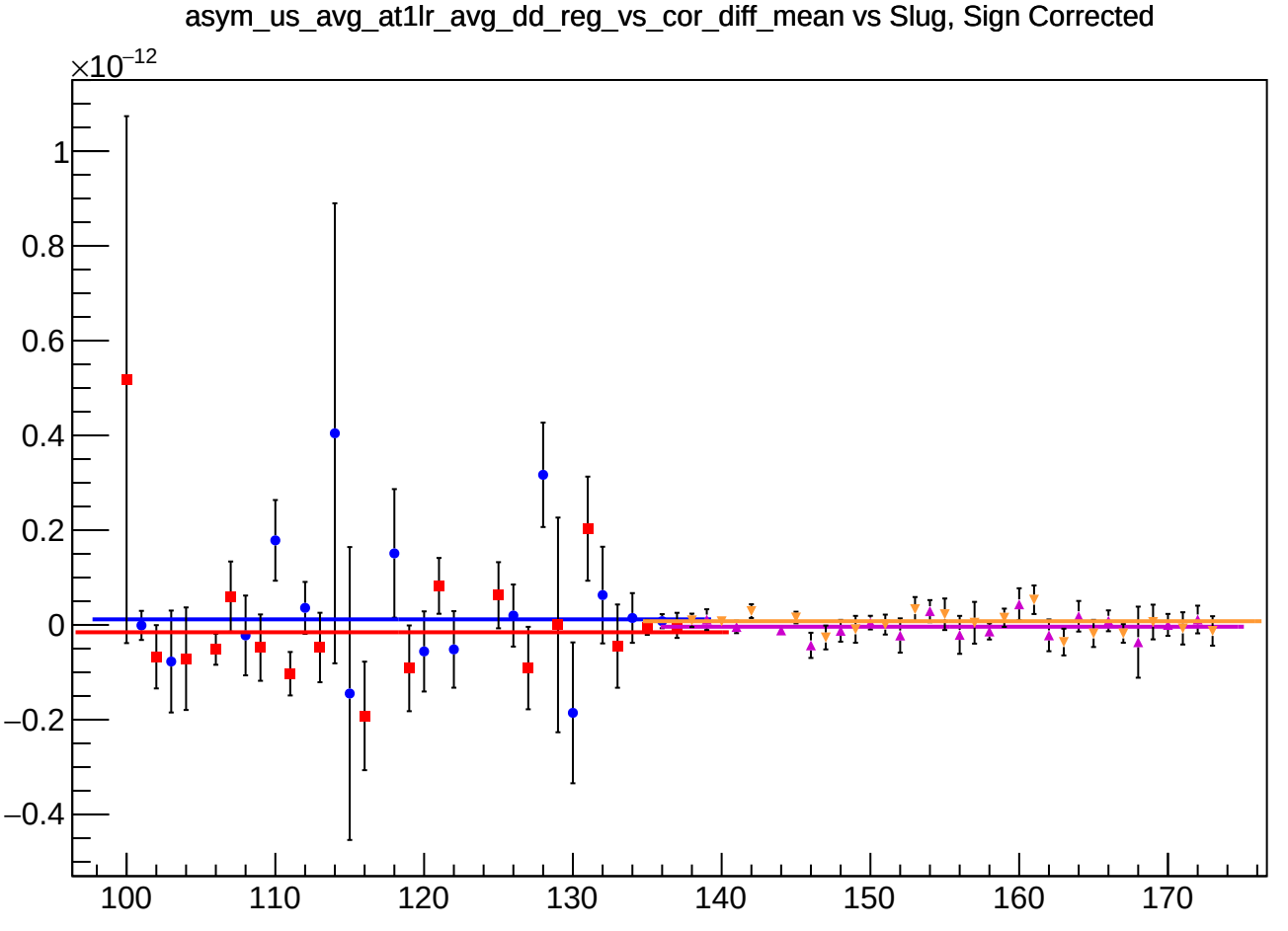
Left: 1899.744+/-0.253 χ^2/NDF: 129695.5/34

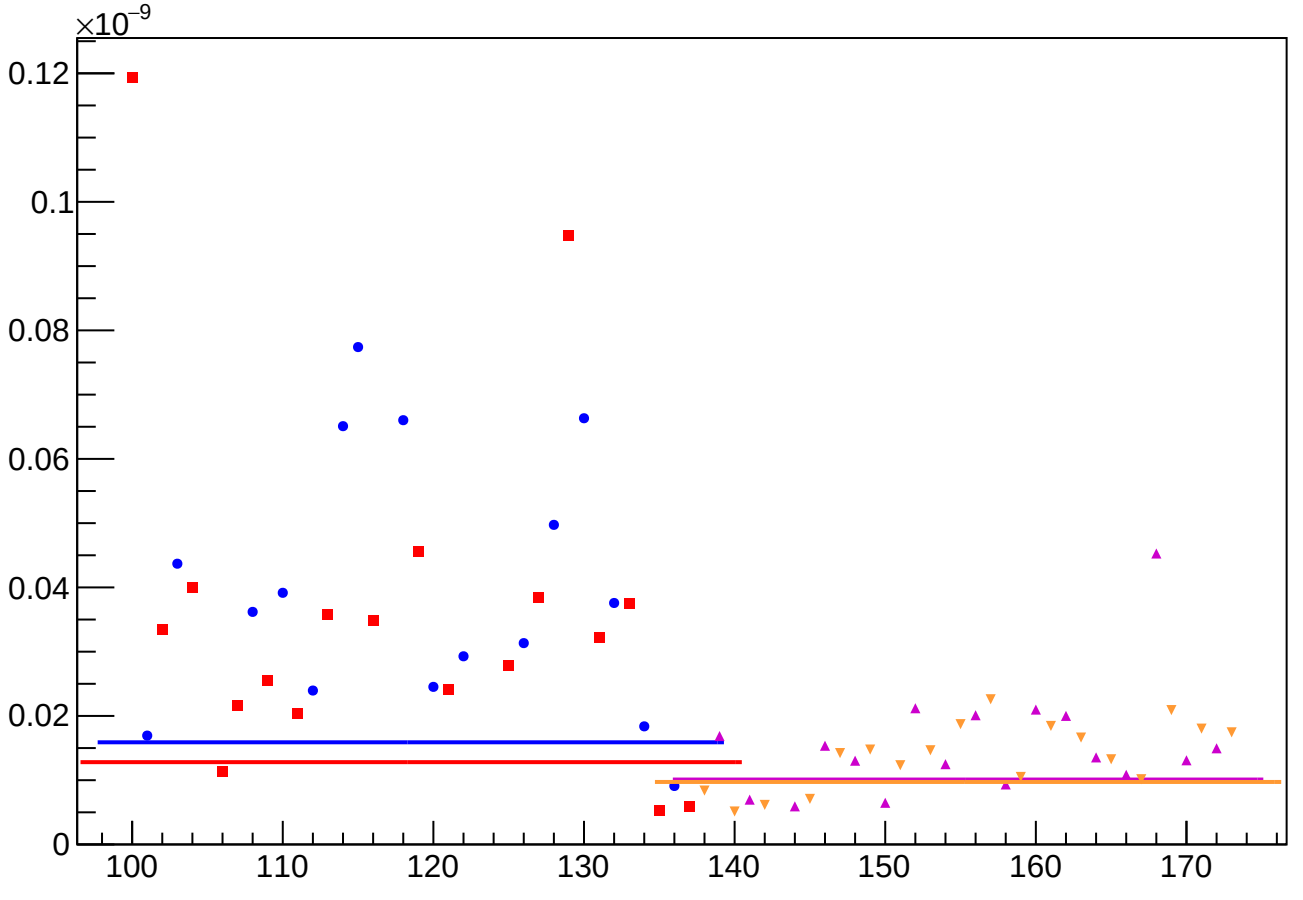
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1945.846+/-0.302 χ^2/NDF:1074961.9/32

Out: 1954.759+/-0.301 χ^2/NDF:815017.0/35

All: 1950.318+/-0.213 χ^2/NDF: 1890415.4/68


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
170
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:14.1/17
Right Out: -0.000+/-0.000 χ²/NDF: 20.7/17
Left In: -0.000+/-0.000 χ²/NDF:10.2/16
Left: 0.000+/-0.000 χ²/NDF: 27.3/34
Right: -0.000+/-0.000 χ²/NDF: 41.8/33
In: -0.000+/-0.000 χ²/NDF:29.8/32
Out: 0.000+/-0.000 χ²/NDF:38.9/35
All: 0.000+/-0.000 χ²/NDF: 69.4/68



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1987737.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2486058.2/17

Left In: 0.000+/-0.000 χ^2/NDF:2220995.6/16

Left: 0.000+/-0.000 χ^2/NDF: 4214961.4/34

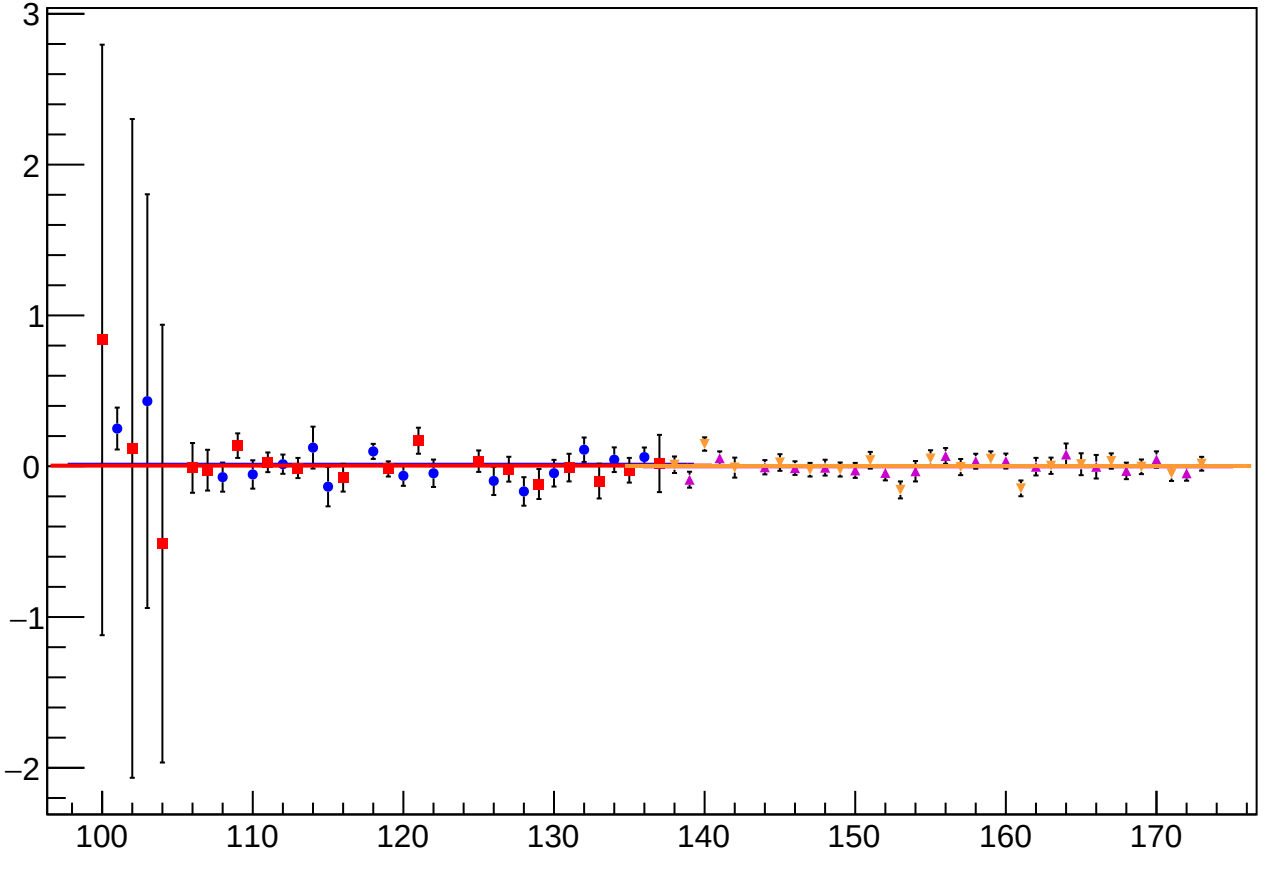
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:4583135.9/32

Out: 0.000+/-0.000 χ^2/NDF:4614102.7/35

All: 0.000+/-0.000 χ^2/NDF: 9227121.0/68

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+/-0.012 χ^2/NDF:31.1/17

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.001+/-0.013 χ^2/NDF:11.4/16

Left: 0.001+/-0.009 χ^2/NDF: 42.5/34

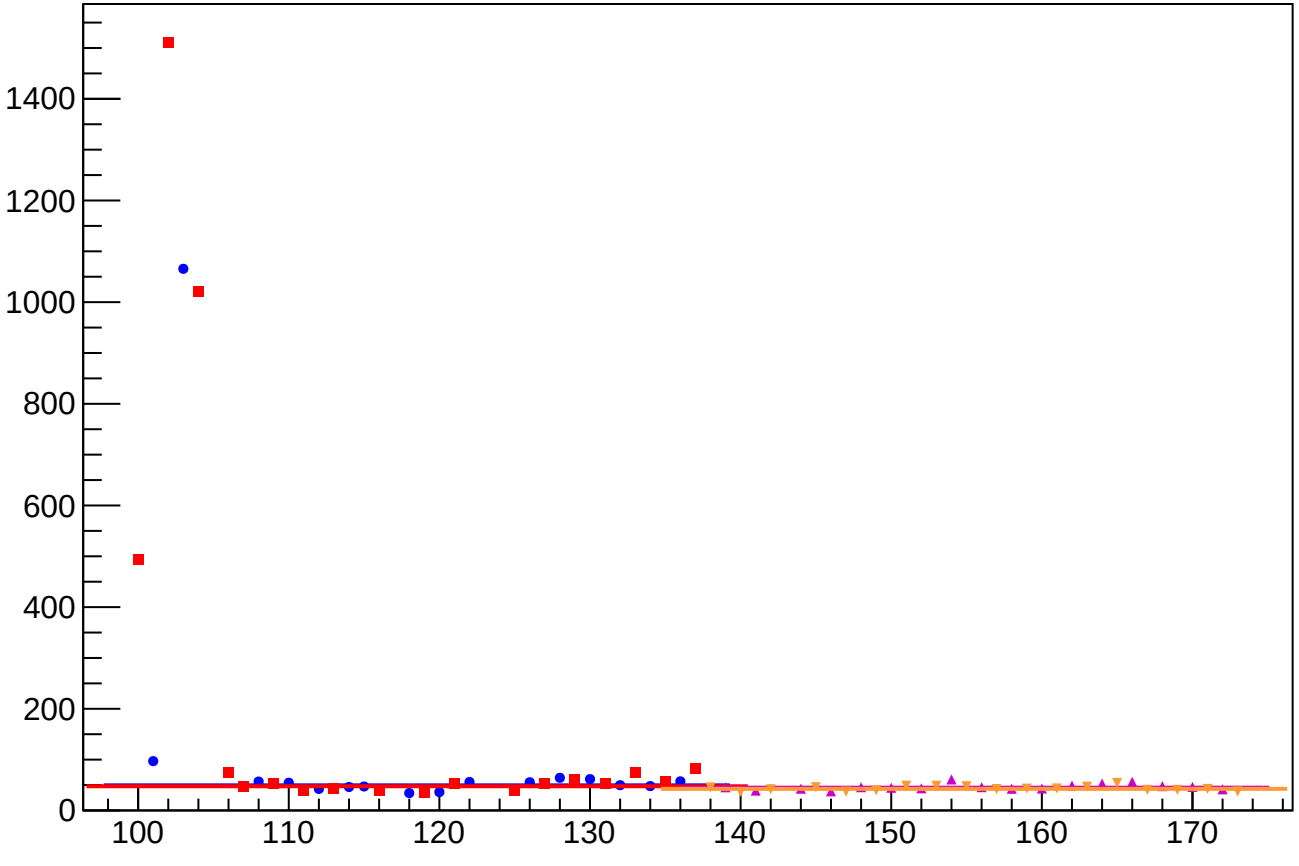
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.002+/-0.011 χ^2/NDF:30.0/32

Out: 0.002+/-0.011 χ^2/NDF:41.6/35

All: 0.002+/-0.008 χ^2/NDF: 71.6/68

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: 42.493+/-0.009 χ^2/NDF:244870.9/17

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 44.811+/-0.009 χ^2/NDF:305131.2/16

Left: 43.601+/-0.006 χ^2/NDF: 584137.2/34

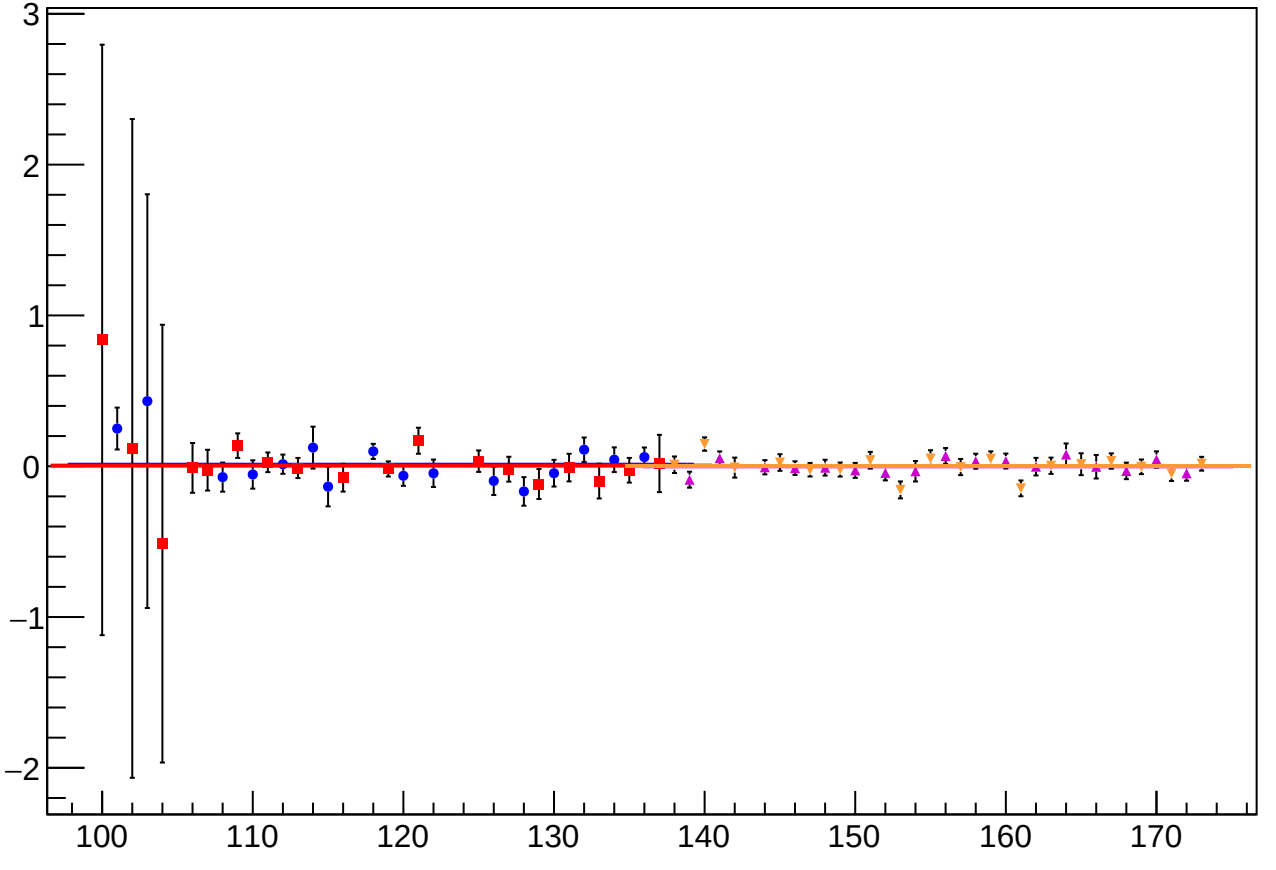
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.043+/-0.008 χ^2/NDF:2149870.4/32

Out: 43.748+/-0.008 χ^2/NDF:2748257.2/35

All: 44.865+/-0.005 χ^2/NDF: 4943309.4/68

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+/-0.012 χ^2/NDF:31.1/17

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.001+/-0.013 χ^2/NDF:11.4/16

Left: 0.001+/-0.009 χ^2/NDF: 42.5/34

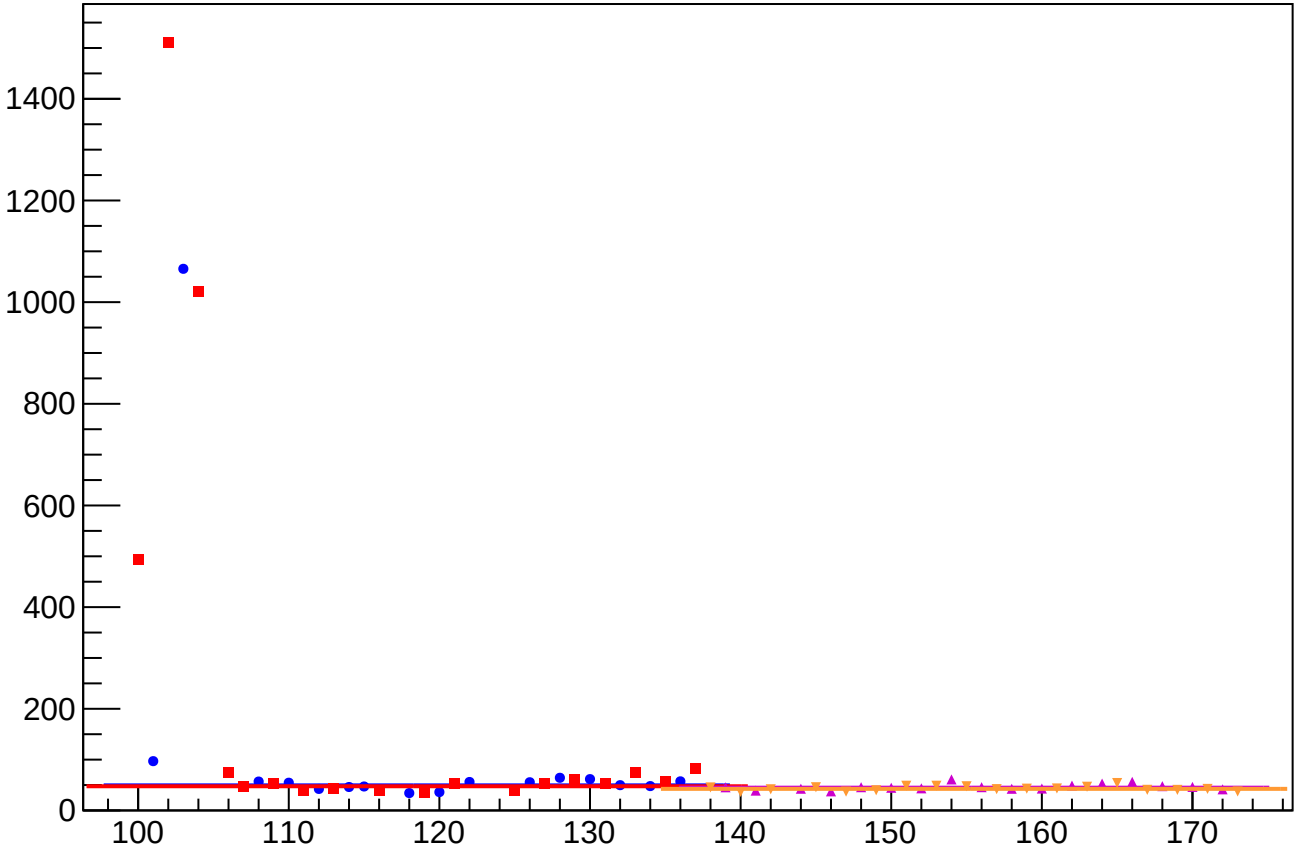
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.002+/-0.011 χ^2/NDF:30.0/32

Out: 0.002+/-0.011 χ^2/NDF:41.6/35

All: 0.002+/-0.008 χ^2/NDF: 71.6/68

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: 42.493+/-0.009 χ^2/NDF:244870.9/17

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 44.811+/-0.009 χ^2/NDF:305131.2/16

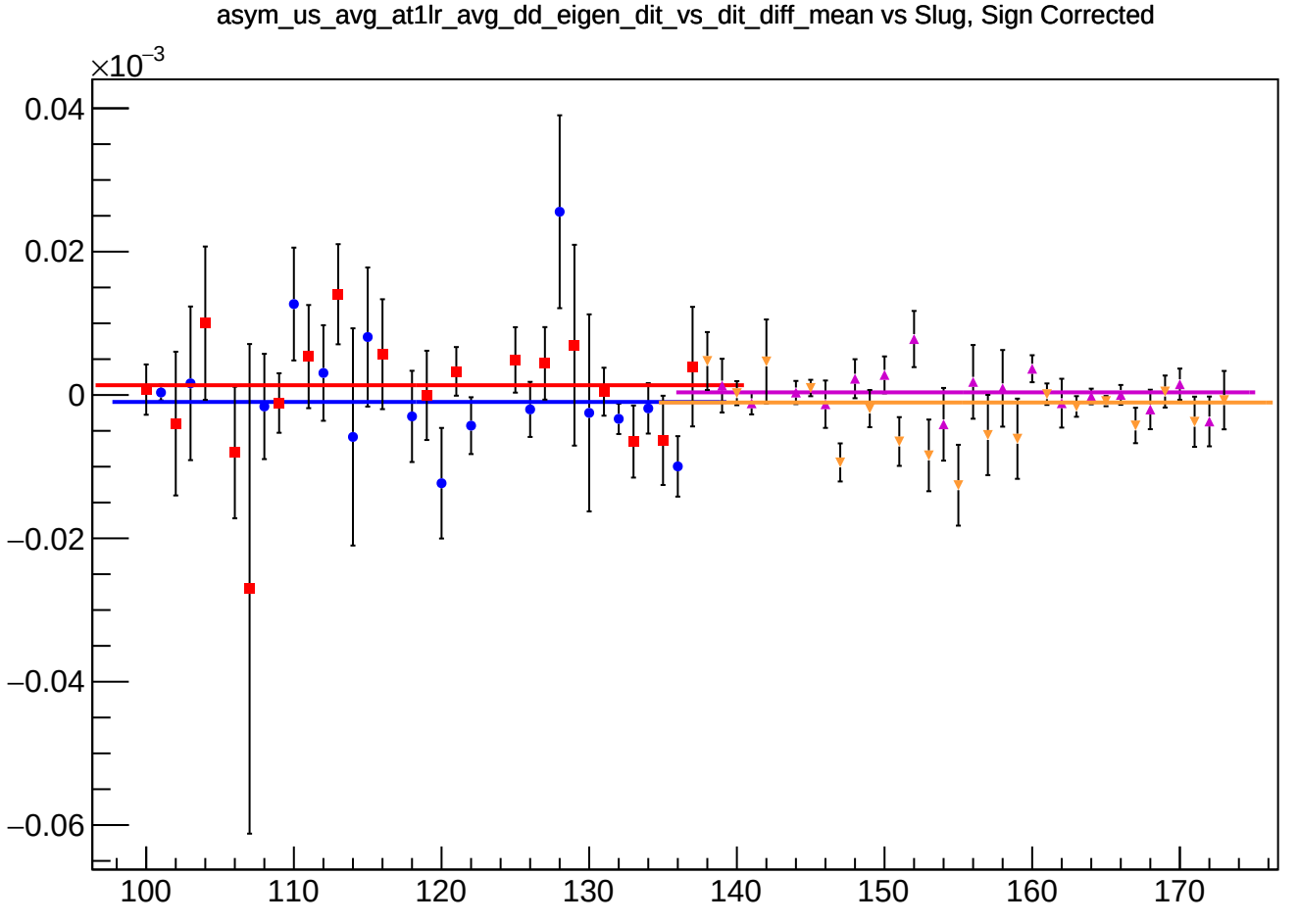
Left: 43.601+/-0.006 χ^2/NDF: 584137.2/34

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.043+/-0.008 χ^2/NDF:2149870.4/32

Out: 43.748+/-0.008 χ^2/NDF:2748257.2/35

All: 44.865+/-0.005 χ^2/NDF: 4943309.4/68



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:13.1/16

Left: -0.000+/-0.000 χ^2/NDF: 48.1/34

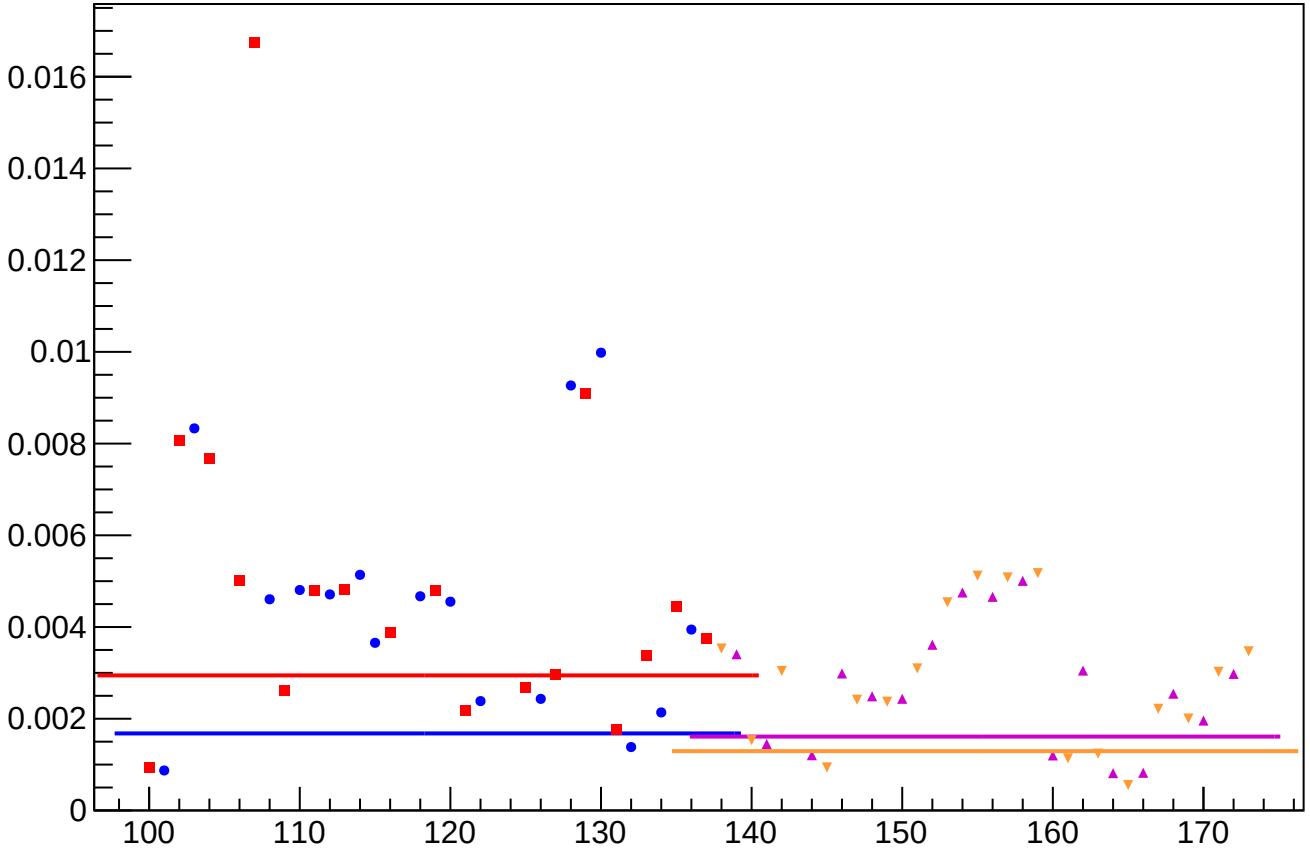
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: -0.000+/-0.000 χ^2/NDF:33.6/32

Out: -0.000+/-0.000 χ^2/NDF:46.5/35

All: -0.000+/-0.000 χ^2/NDF: 81.7/68

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:9624313.2/17

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:6925521.2/16

Left: 0.001+/-0.000 χ^2/NDF: 16973376.3/34

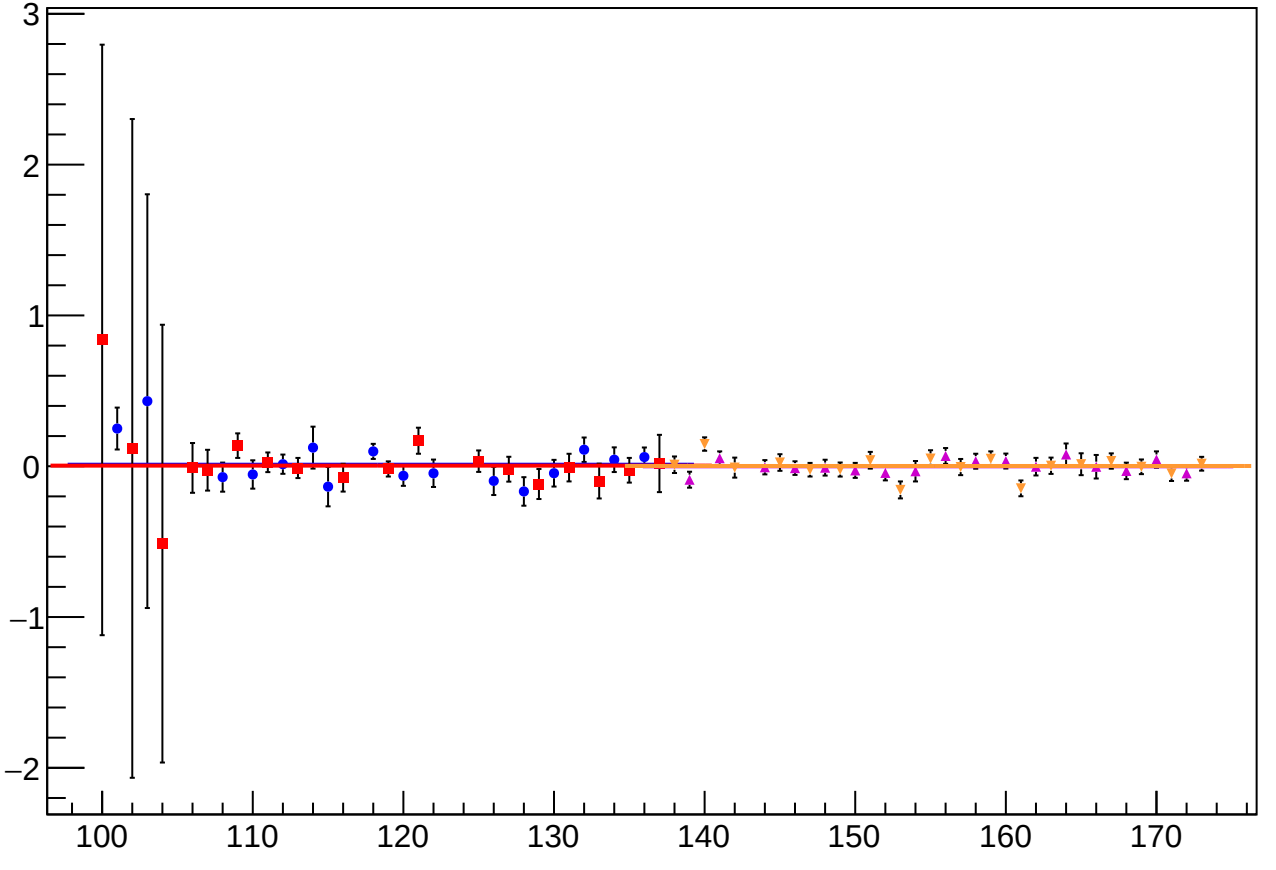
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:12895512.8/32

Out: 0.001+/-0.000 χ^2/NDF:15938732.1/35

All: 0.002+/-0.000 χ^2/NDF: 28976641.4/68

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+/-0.012 χ^2/NDF:31.1/17

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.001+/-0.013 χ^2/NDF:11.4/16

Left: 0.001+/-0.009 χ^2/NDF: 42.5/34

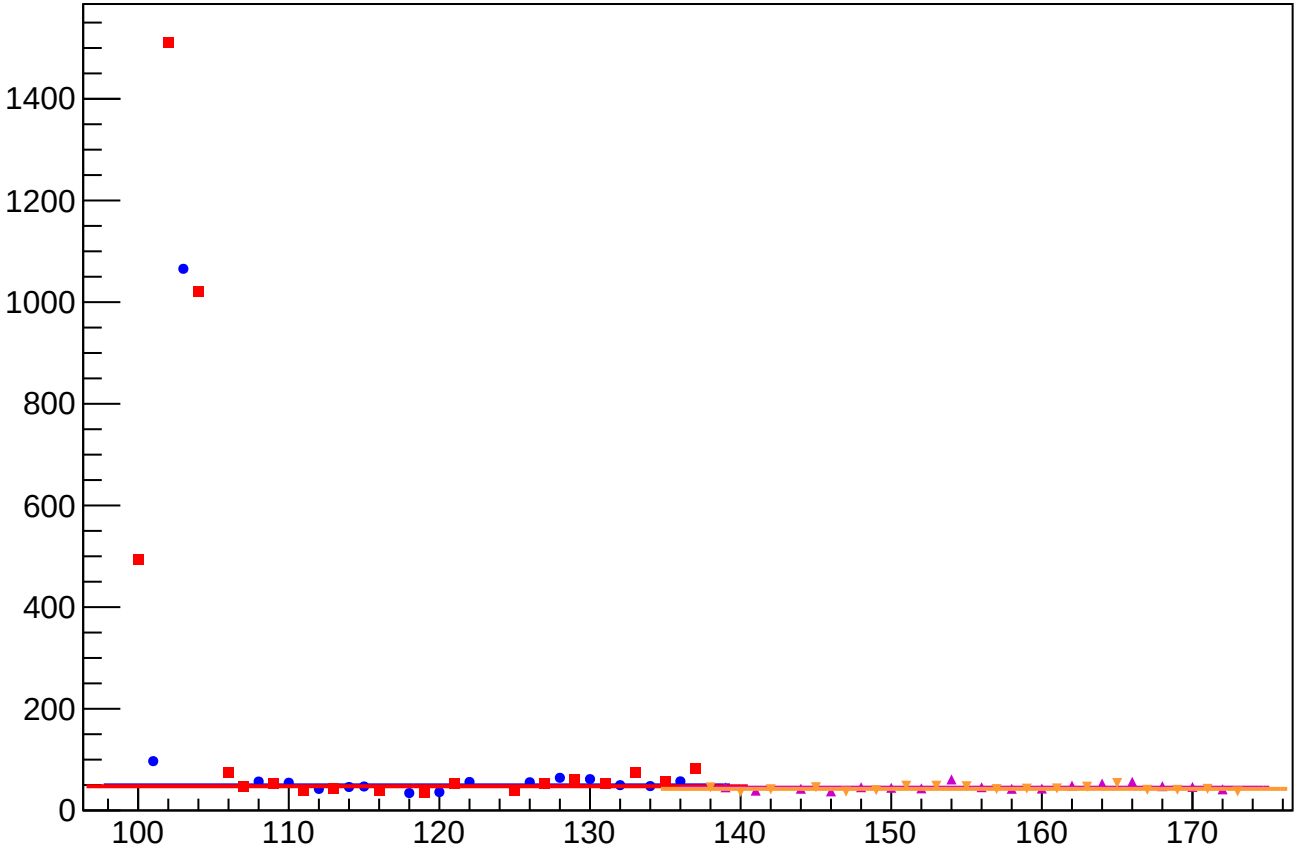
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.002+/-0.011 χ^2/NDF:30.0/32

Out: 0.002+/-0.011 χ^2/NDF:41.6/35

All: 0.002+/-0.008 χ^2/NDF: 71.6/68

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: 42.493+/-0.009 χ^2/NDF:244884.5/17

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 44.811+/-0.009 χ^2/NDF:305195.1/16

Left: 43.601+/-0.006 χ^2/NDF: 584199.7/34

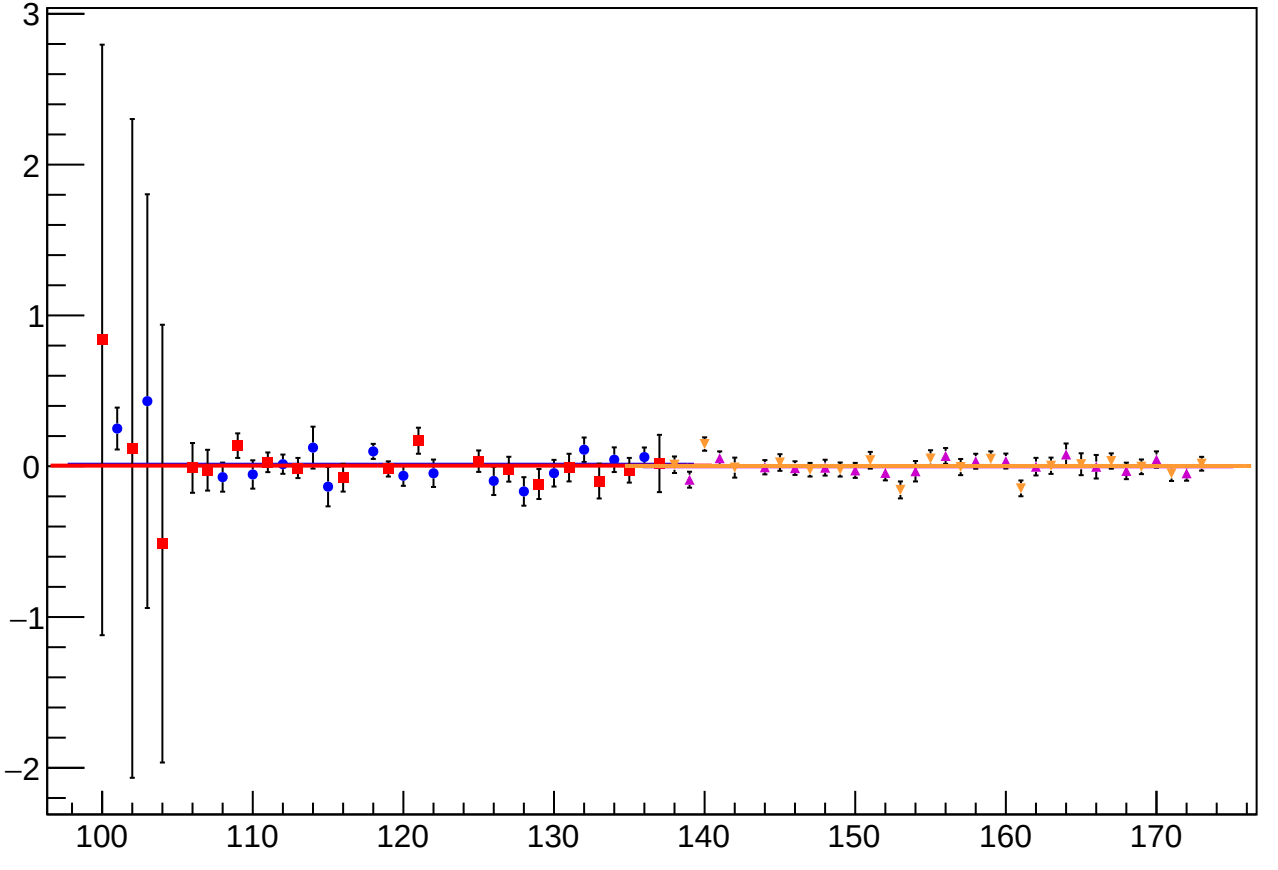
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 46.043+/-0.008 χ^2/NDF:2149883.6/32

Out: 43.748+/-0.008 χ^2/NDF:2748272.4/35

All: 44.865+/-0.005 χ^2/NDF: 4943333.8/68

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+/-0.012 χ^2/NDF:31.1/17

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: -0.001+/-0.013 χ^2/NDF:11.4/16

Left: 0.001+/-0.009 χ^2/NDF: 42.5/34

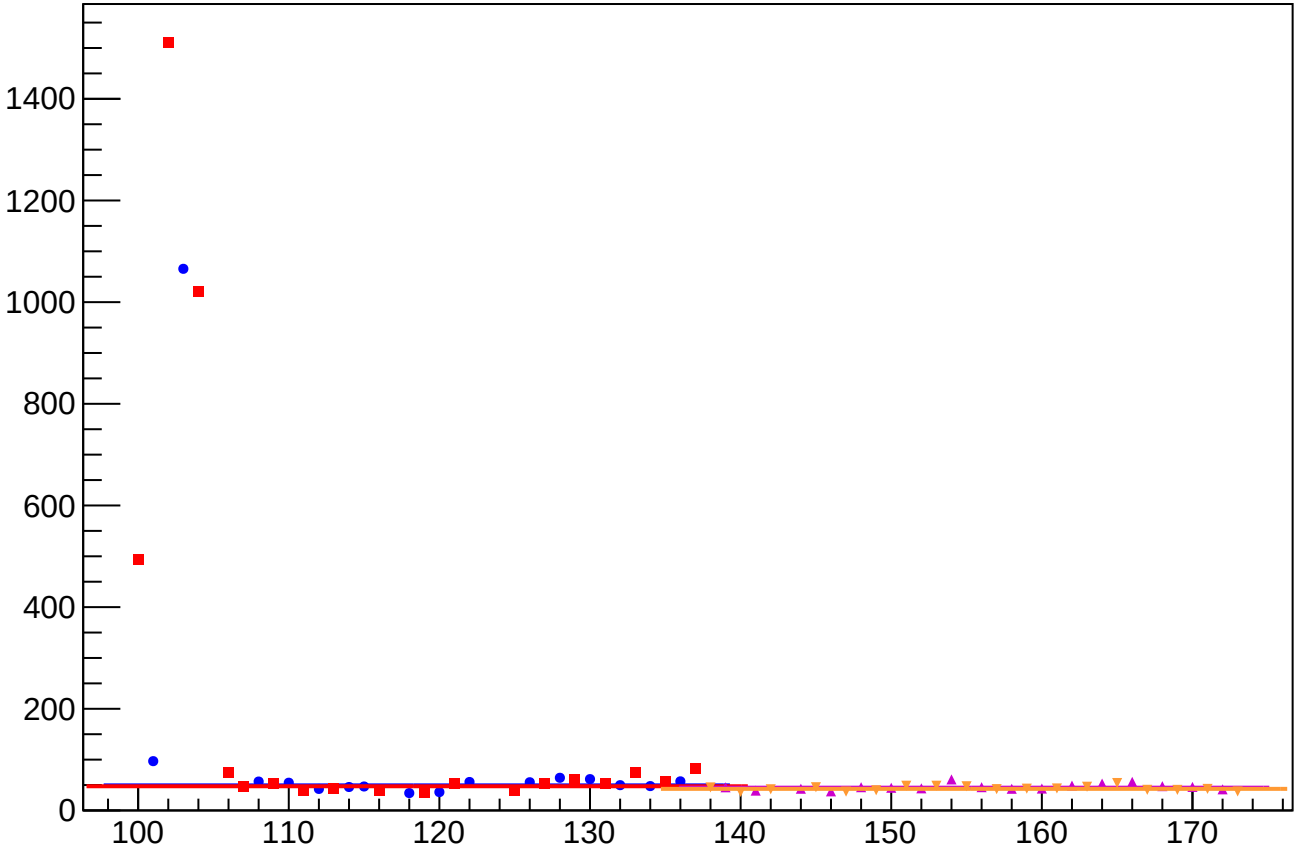
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.002+/-0.011 χ^2/NDF:30.0/32

Out: 0.002+/-0.011 χ^2/NDF:41.6/35

All: 0.002+/-0.008 χ^2/NDF: 71.6/68

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: 42.493+/-0.009 χ^2/NDF:244884.5/17

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 44.811+/-0.009 χ^2/NDF:305195.1/16

Left: 43.601+/-0.006 χ^2/NDF: 584199.7/34

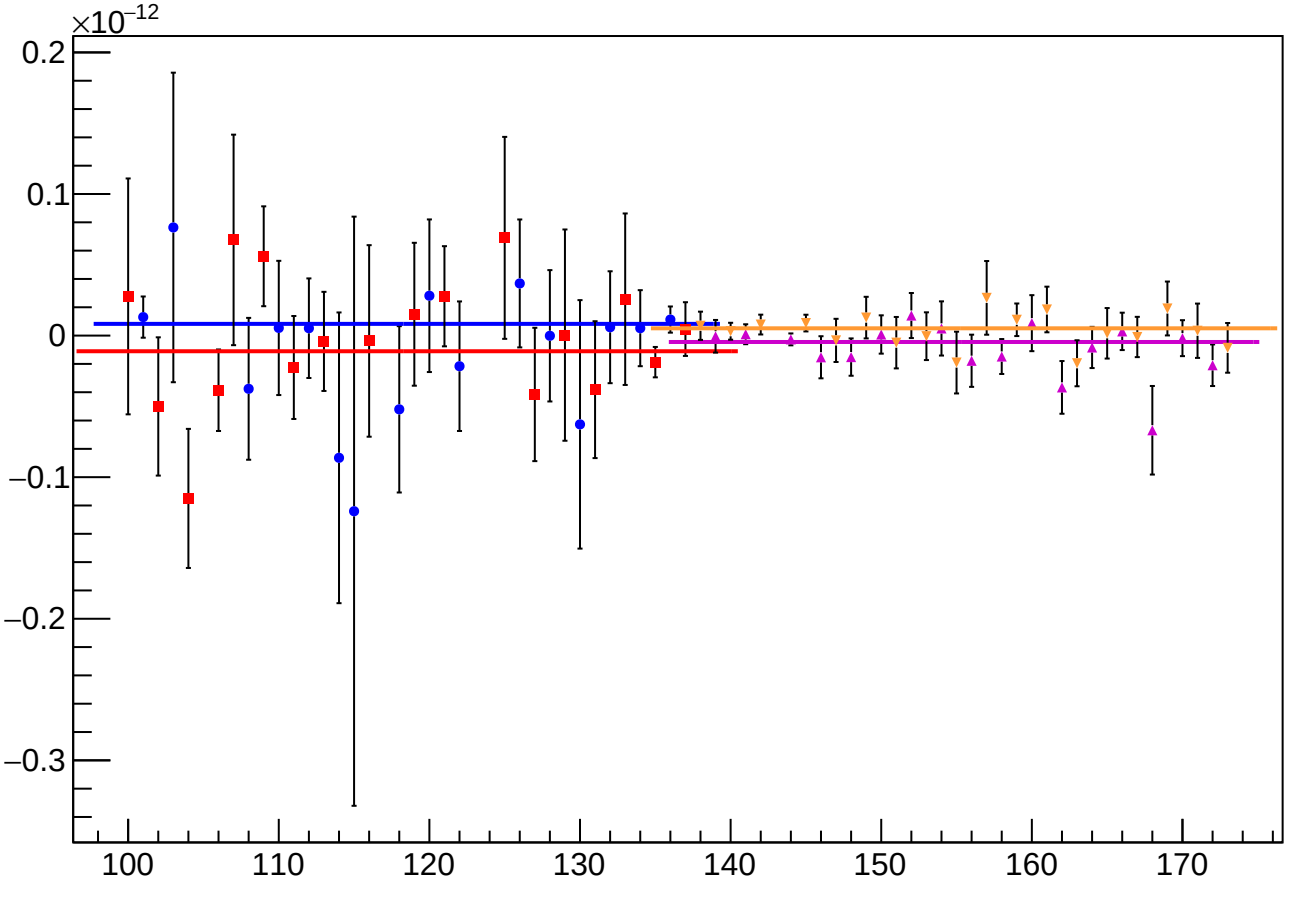
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 46.043+/-0.008 χ^2/NDF:2149883.6/32

Out: 43.748+/-0.008 χ^2/NDF:2748272.4/35

All: 44.865+/-0.005 χ^2/NDF: 4943333.8/68

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.3/17

Right Out: -0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: -0.000+/-0.000 χ^2/NDF:14.2/16

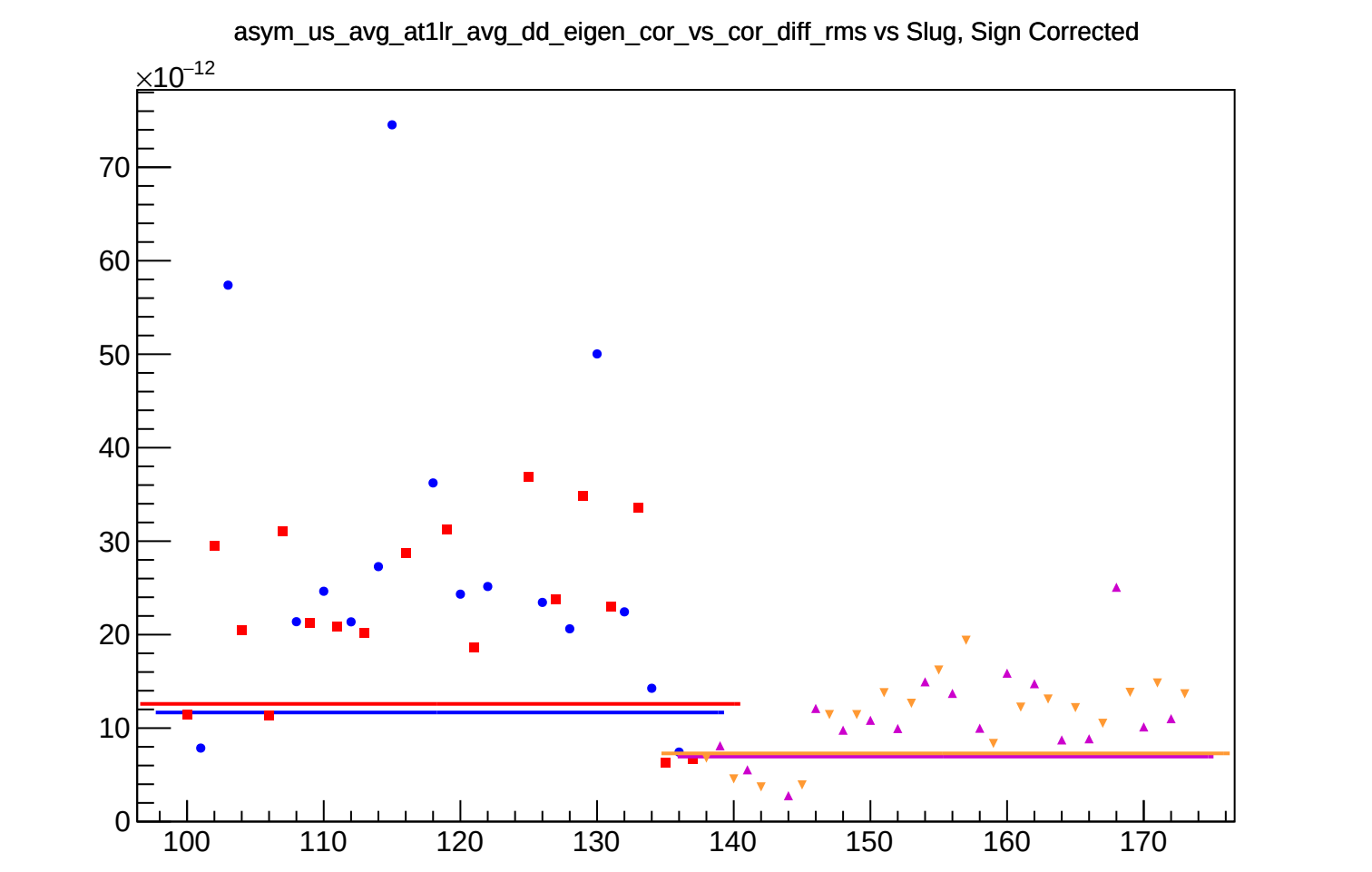
Left: 0.000+/-0.000 χ^2/NDF: 29.0/34

Right: -0.000+/-0.000 χ^2/NDF: 25.5/33

In: -0.000+/-0.000 χ^2/NDF:22.8/32

Out: 0.000+/-0.000 χ^2/NDF:28.9/35

All: 0.000+/-0.000 χ^2/NDF: 54.5/68



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4656793.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:5162186.4/16

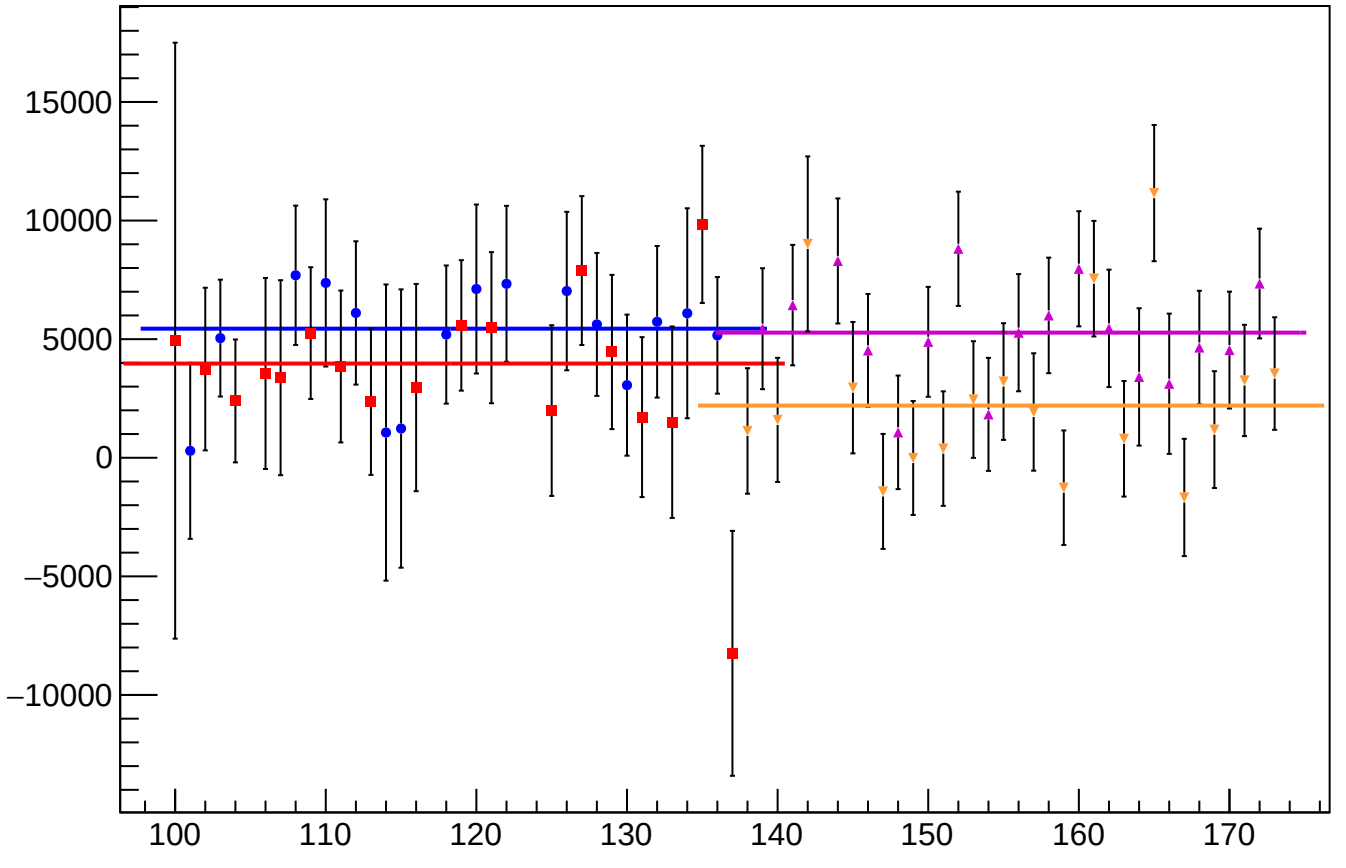
Left: 0.000+/-0.000 χ^2/NDF: 9835264.5/34

Right: 0.000+/-0.000 χ^2/NDF: 5846038.9/33

In: 0.000+/-0.000 χ^2/NDF:8933397.5/32

Out: 0.000+/-0.000 χ^2/NDF:8523830.6/35

All: 0.000+/-0.000 χ^2/NDF: 17476583.5/68



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2200.893+/-595.525 χ^2/NDF:27.6/17

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 5275.283+/-601.471 χ^2/NDF:12.2/16

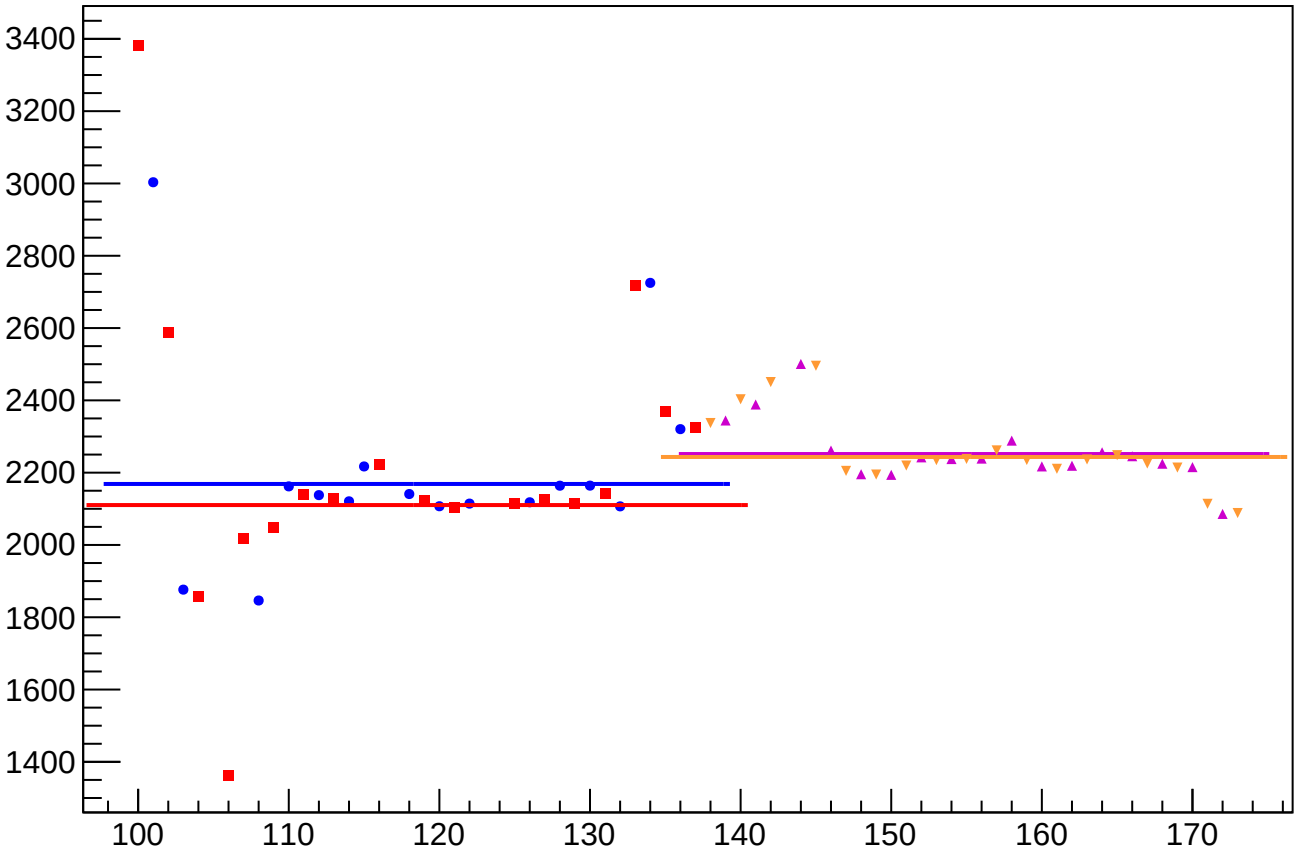
Left: 3722.816+/-423.186 χ^2/NDF: 53.0/34

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5334.418+/-483.432 χ^2/NDF:17.6/32

Out: 2823.214+/-479.600 χ^2/NDF:43.7/35

All: 4068.824+/-340.475 χ^2/NDF: 74.9/68



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2243.376+/-0.421 χ^2/NDF:49965.9/17

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2251.525+/-0.425 χ^2/NDF:41021.3/16

Left: 2247.410+/-0.299 χ^2/NDF: 91172.5/34

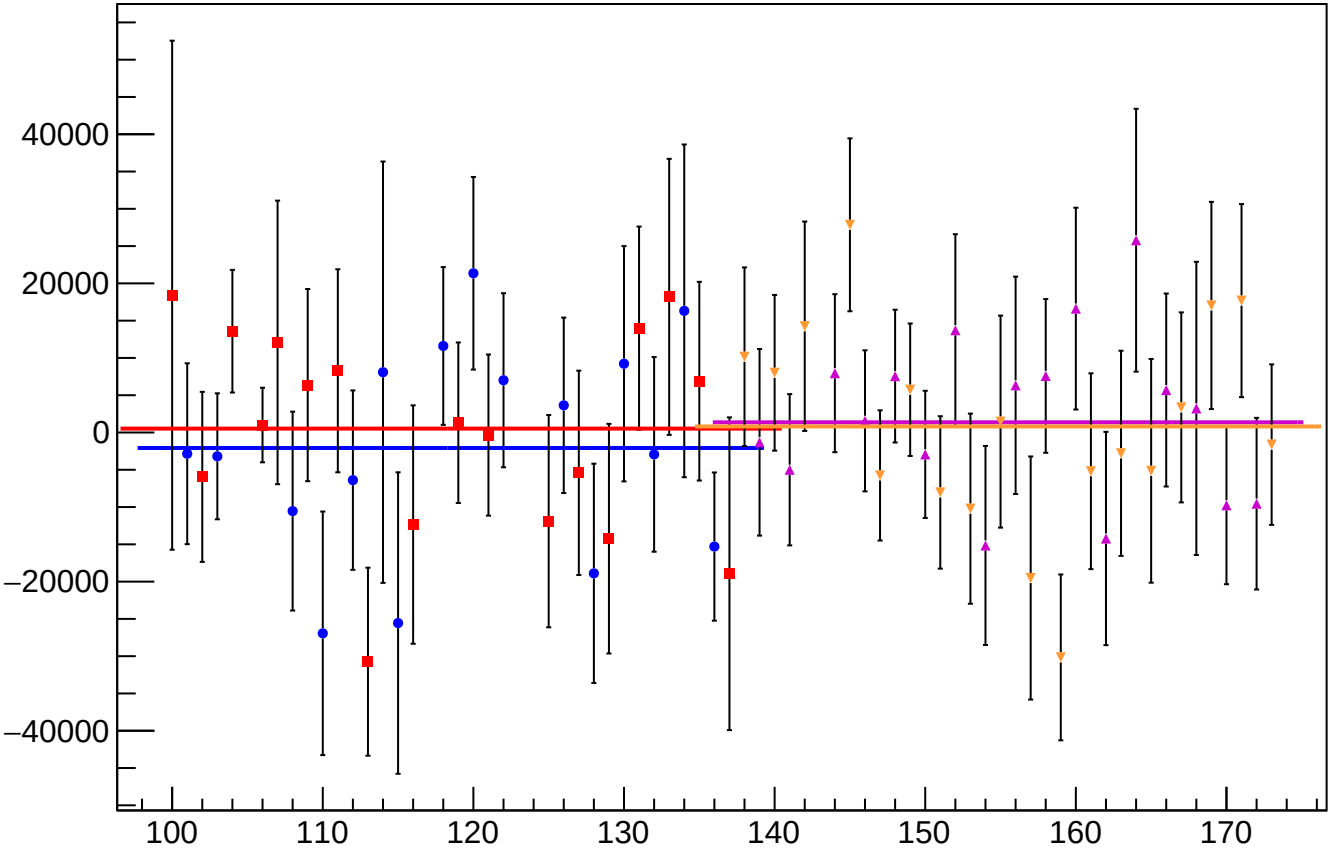
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2222.211+/-0.342 χ^2/NDF:250100.7/32

Out: 2195.657+/-0.337 χ^2/NDF:353173.5/35

All: 2208.753+/-0.240 χ^2/NDF: 606332.5/68

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: 807.060+/-2790.807 χ^2/NDF:22.7/17

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 1362.410+/-2807.329 χ^2/NDF:11.0/16

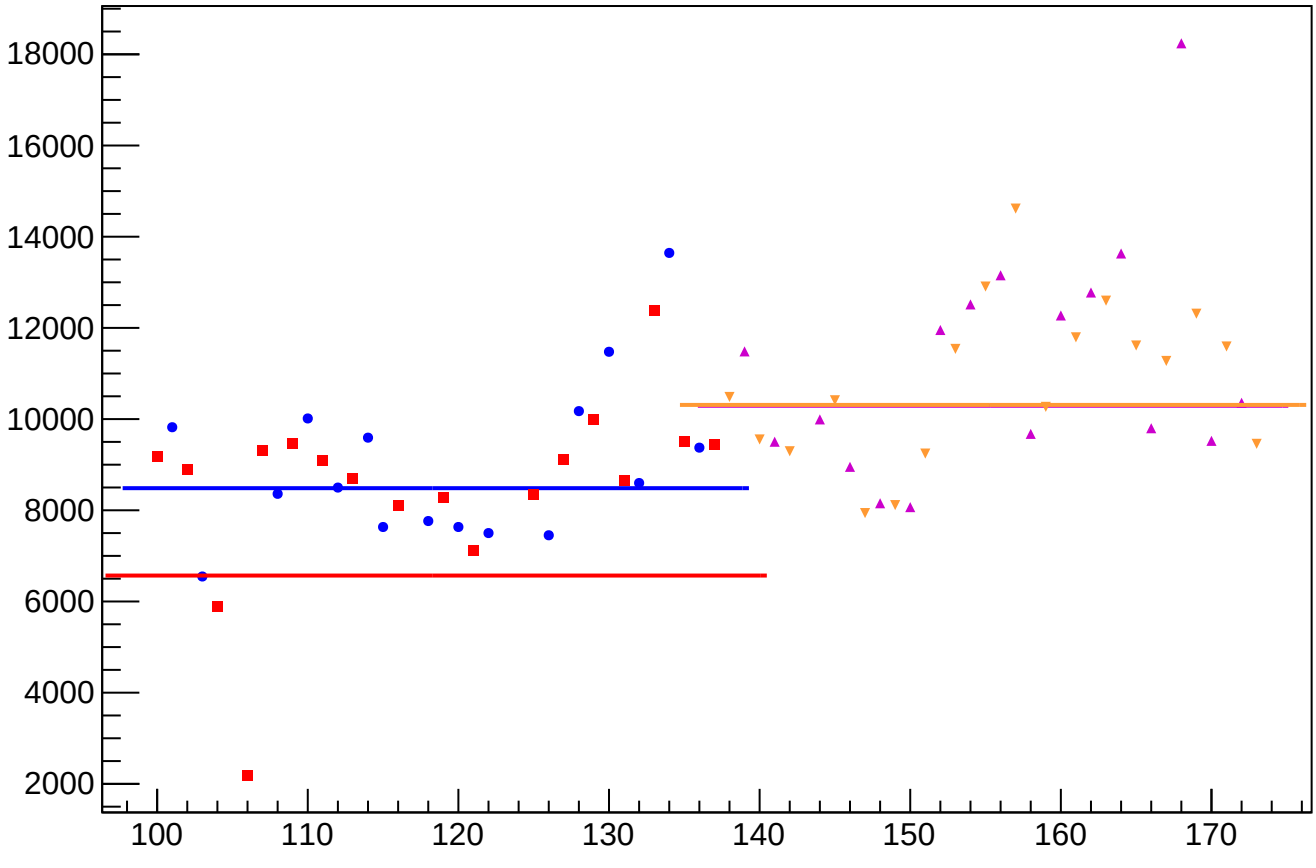
Left: 1083.096+/-1979.214 χ^2/NDF: 33.7/34

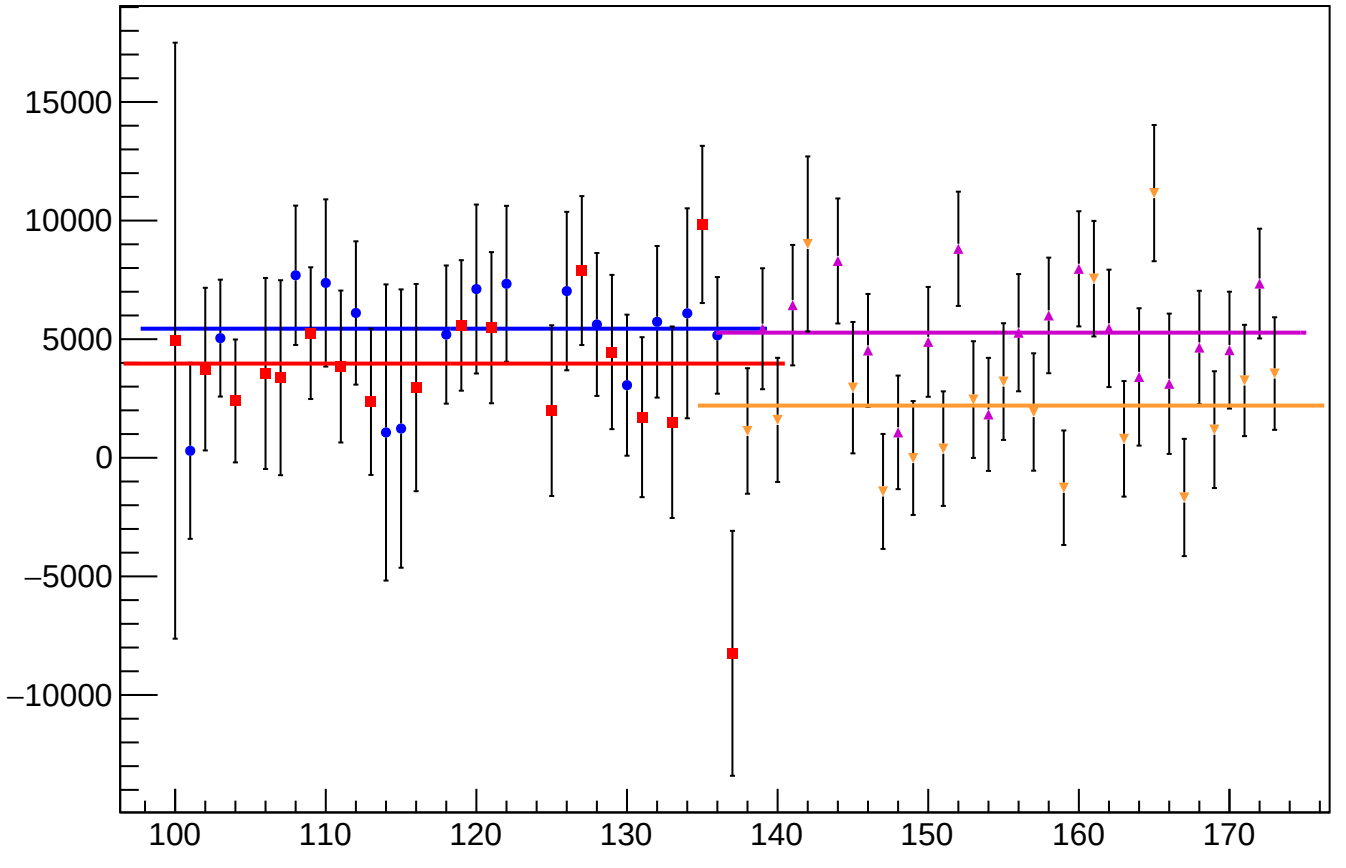
Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -126.126+/-2113.790 χ^2/NDF:26.1/32

Out: 660.356+/-1946.259 χ^2/NDF:38.4/35

All: 299.513+/-1431.782 χ^2/NDF: 64.5/68


asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
Right In: 8485.000+/-2.271 χ²/NDF: 422706.1/15
Left Out: 10311.029+/-1.973 χ²/NDF:718890.2/17
Right Out: 6568.711+/-1.920 χ²/NDF: 2568887.0/17
Left In: 10291.819+/-1.985 χ²/NDF:1011411.3/16
Left: 10301.481+/-1.400 χ²/NDF: 1730348.6/34
Right: 7367.464+/-1.466 χ²/NDF: 3406715.7/33
In: 9509.358+/-1.495 χ²/NDF:1792891.1/32
Out: 8388.757+/-1.376 χ²/NDF:5135028.2/35
All: 8902.897+/-1.012 χ²/NDF: 7232120.0/68



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2200.794+/-595.525 χ^2/NDF:27.6/17

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5275.302+/-601.471 χ^2/NDF:12.2/16

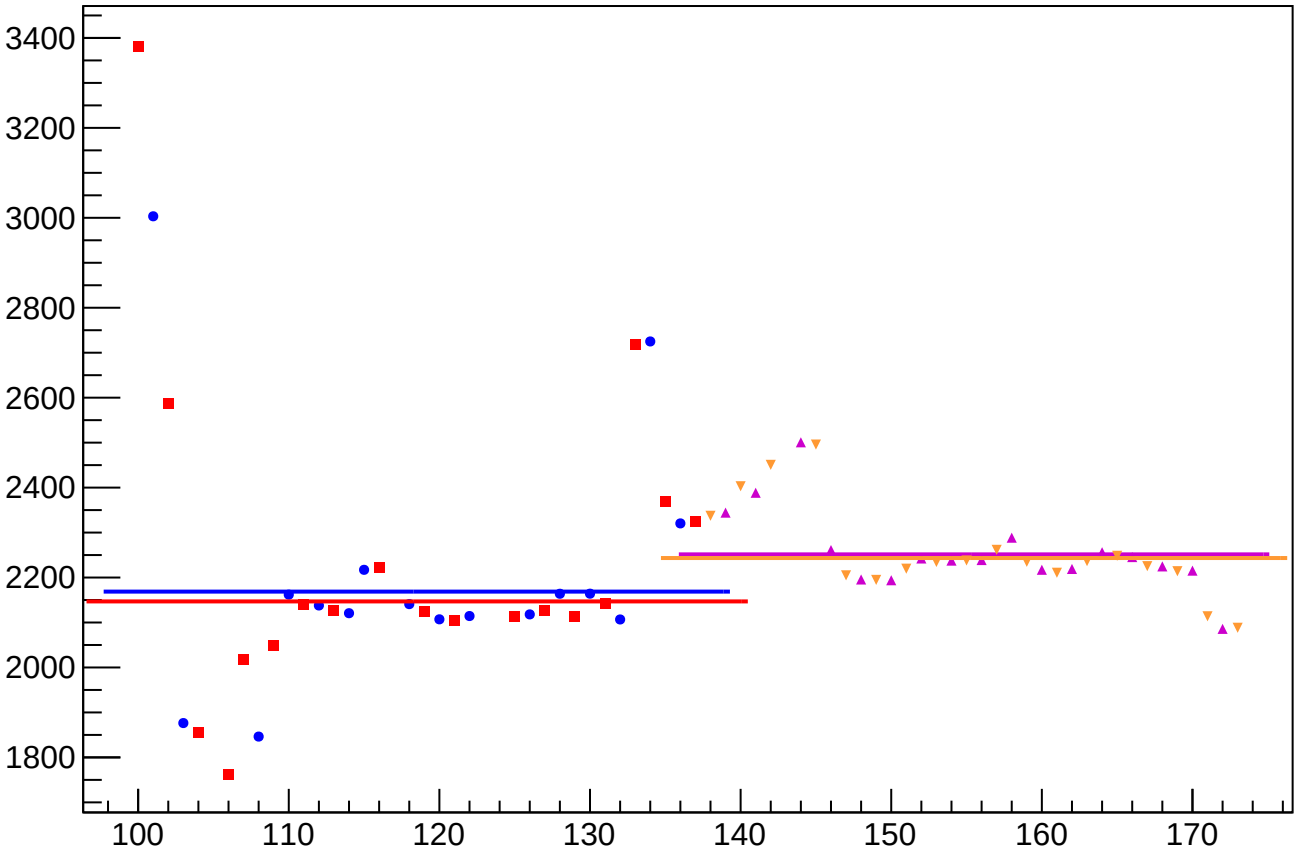
Left: 3722.775+/-423.186 χ^2/NDF: 53.0/34

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5334.480+/-483.432 χ^2/NDF:17.6/32

Out: 2823.059+/-479.600 χ^2/NDF:43.7/35

All: 4068.777+/-340.475 χ^2/NDF: 74.9/68



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2243.376+/-0.421 χ^2/NDF:49965.9/17

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2251.525+/-0.425 χ^2/NDF:41021.3/16

Left: 2247.410+/-0.299 χ^2/NDF: 91172.5/34

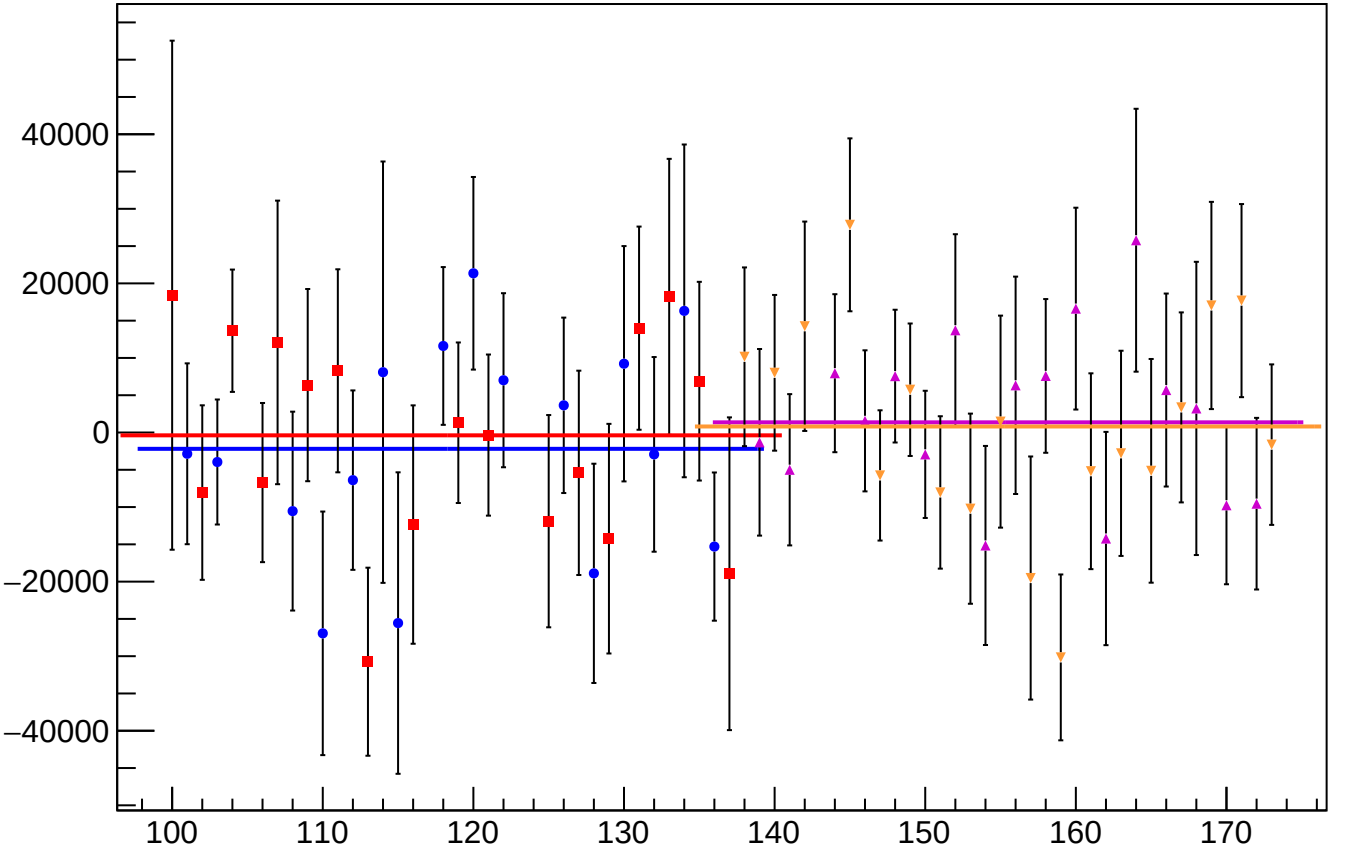
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2222.211+/-0.342 χ^2/NDF:250101.1/32

Out: 2209.248+/-0.339 χ^2/NDF:226286.8/35

All: 2215.667+/-0.241 χ^2/NDF: 477113.9/68

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 807.052+/-2790.805 χ^2/NDF:22.7/17

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 1362.522+/-2807.327 χ^2/NDF:11.0/16

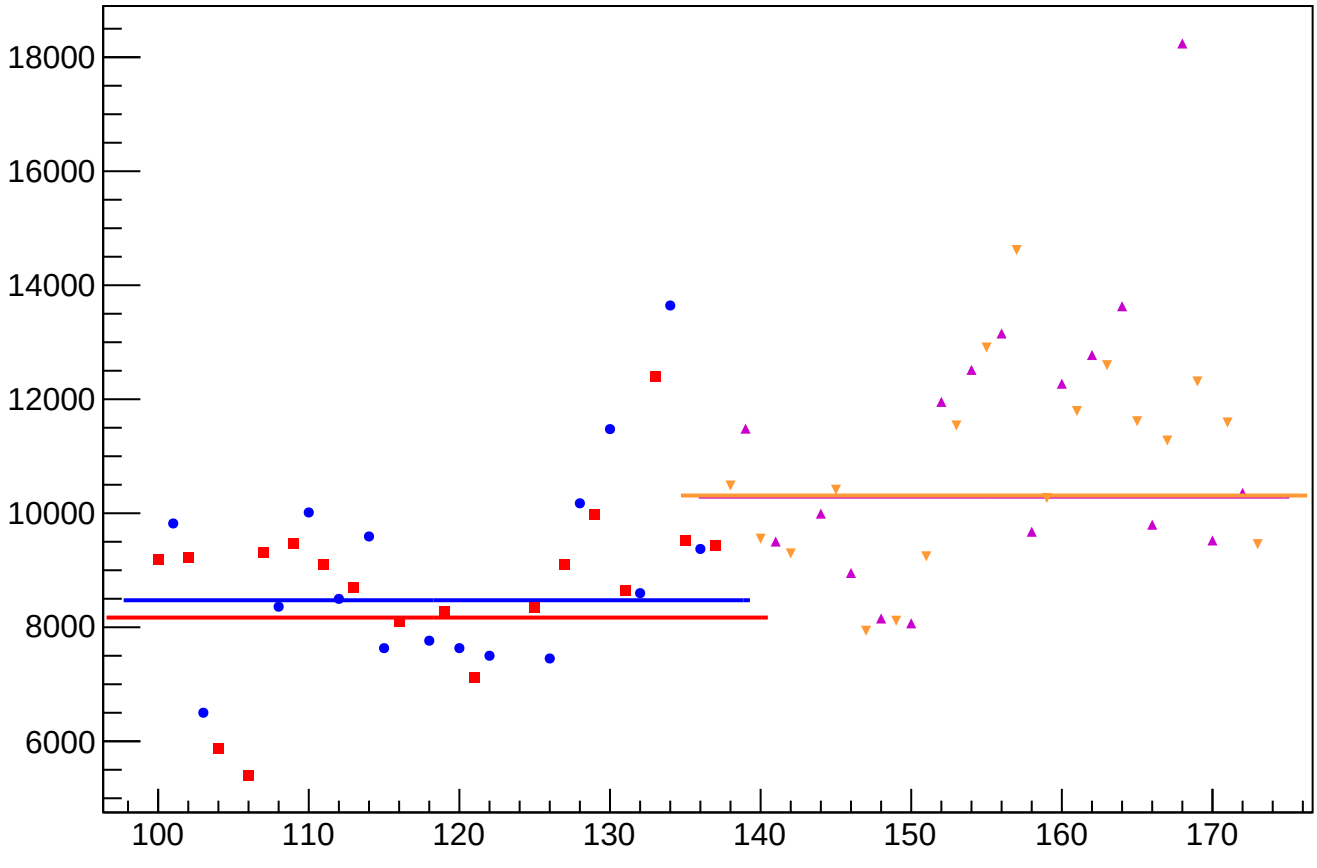
Left: 1083.148+/-1979.213 χ^2/NDF: 33.7/34

Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -177.548+/-2112.772 χ^2/NDF:26.1/32

Out: 275.993+/-2074.107 χ^2/NDF:39.1/35

All: 53.411+/-1480.096 χ^2/NDF: 65.3/68



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10311.022+/-1.973 χ^2/NDF:718891.0/17

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10291.812+/-1.985 χ^2/NDF:1011417.2/16

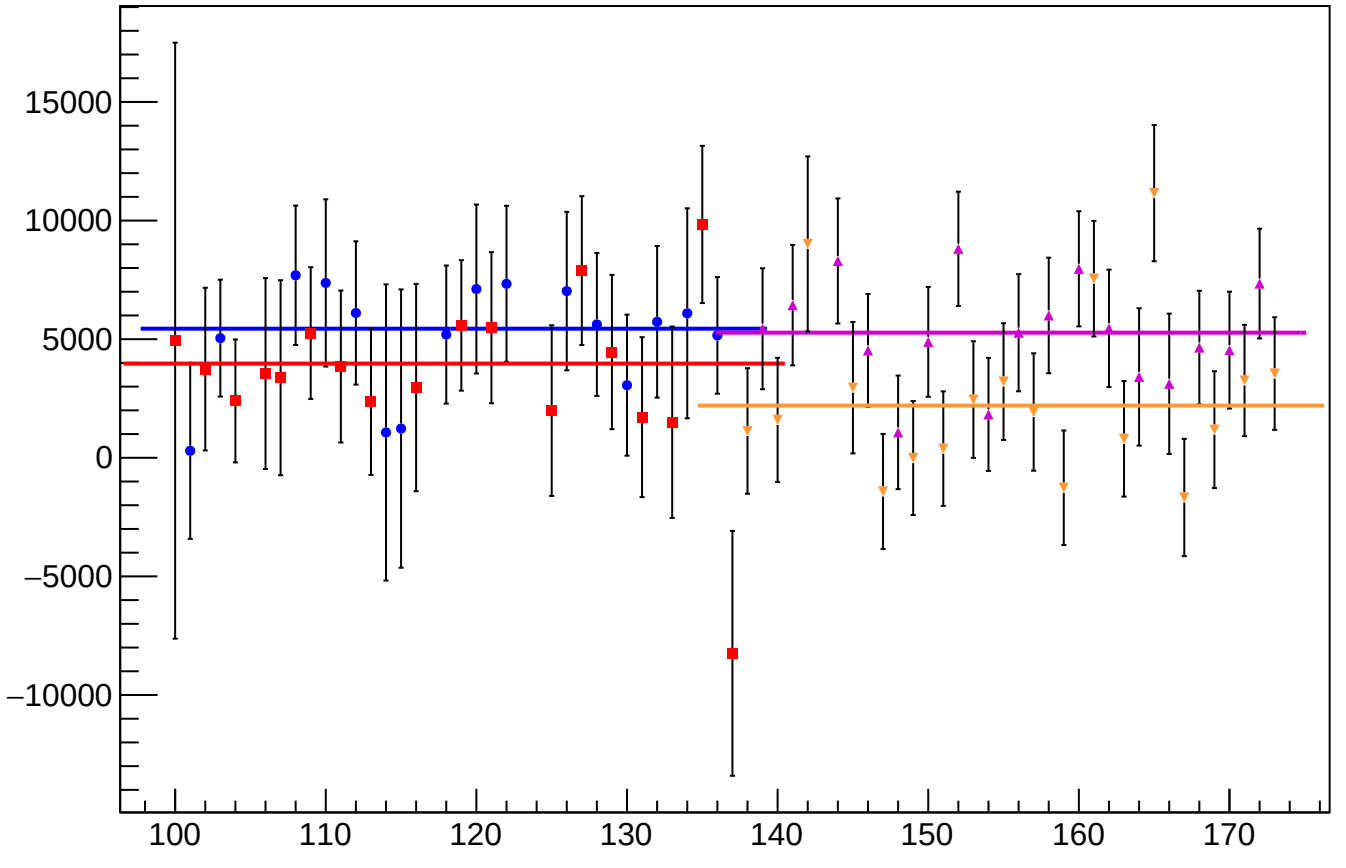
Left: 10301.474+/-1.400 χ^2/NDF: 1730355.3/34

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9503.488+/-1.494 χ^2/NDF:1804678.0/32

Out: 9352.576+/-1.467 χ^2/NDF:1785748.5/35

All: 9426.638+/-1.047 χ^2/NDF: 3595622.6/68



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2200.794+/-595.525 χ^2/NDF:27.6/17

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5275.302+/-601.471 χ^2/NDF:12.2/16

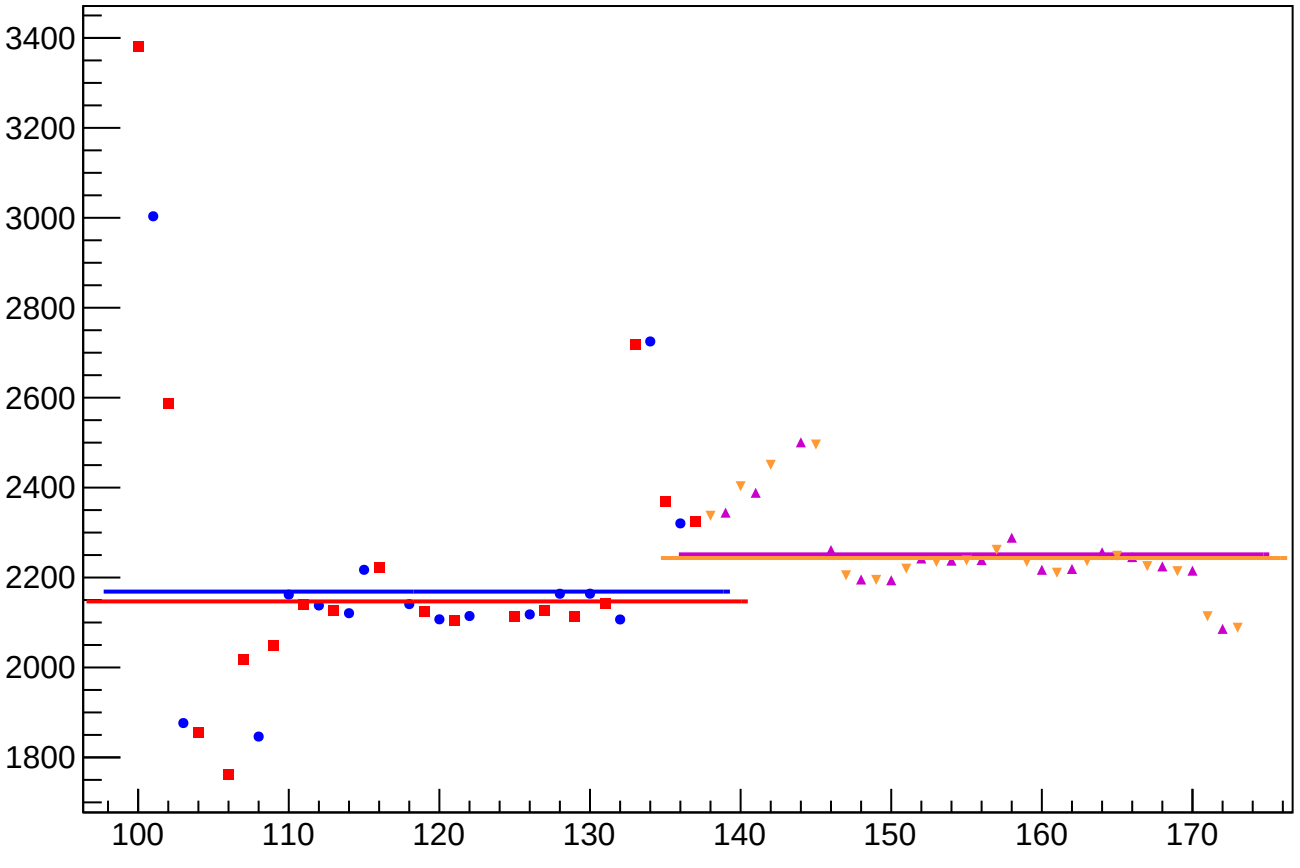
Left: 3722.775+/-423.186 χ^2/NDF: 53.0/34

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5334.480+/-483.432 χ^2/NDF:17.6/32

Out: 2823.059+/-479.600 χ^2/NDF:43.7/35

All: 4068.777+/-340.475 χ^2/NDF: 74.9/68



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2243.376+/-0.421 χ^2/NDF:49965.9/17

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2251.525+/-0.425 χ^2/NDF:41021.3/16

Left: 2247.410+/-0.299 χ^2/NDF: 91172.5/34

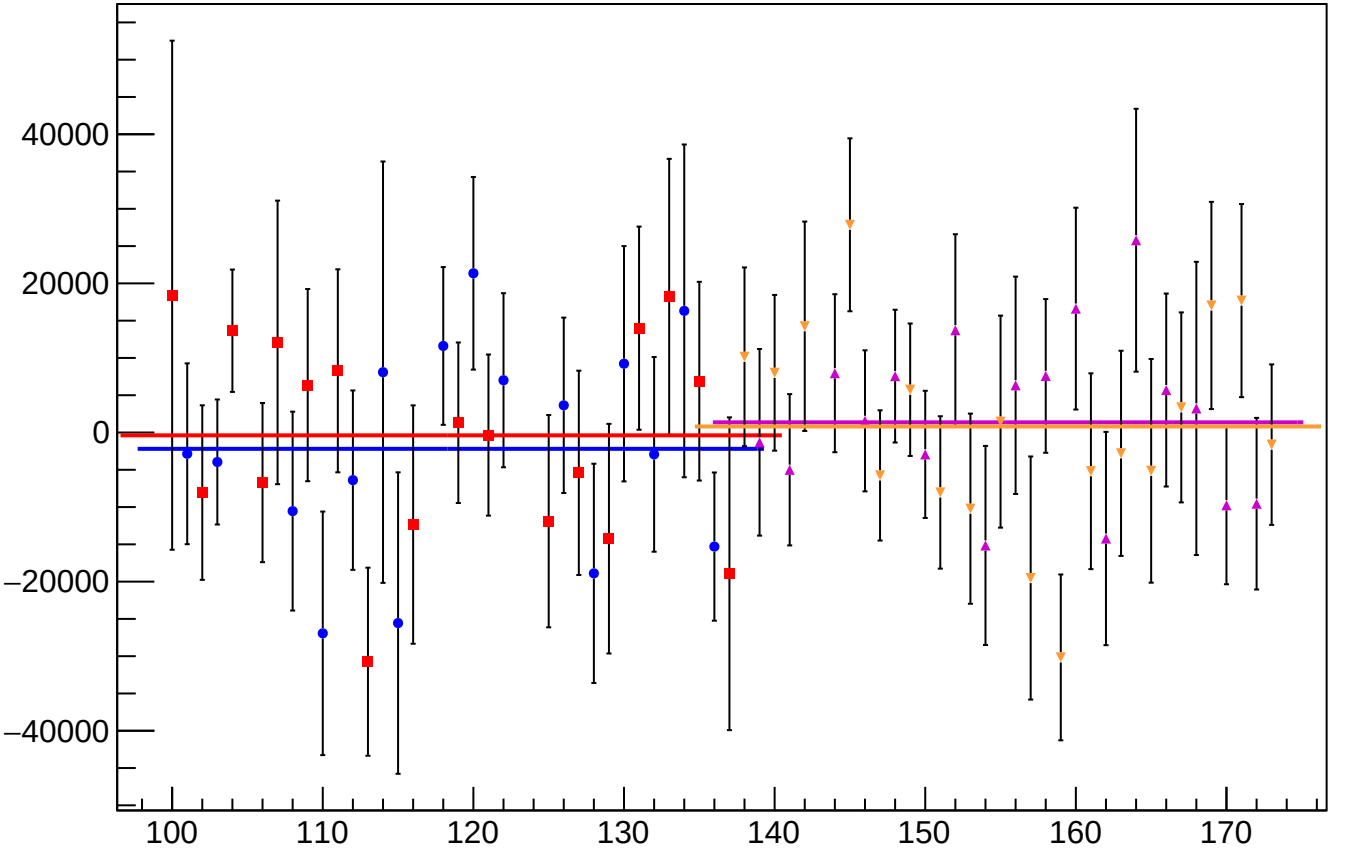
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2222.211+/-0.342 χ^2/NDF:250101.1/32

Out: 2209.248+/-0.339 χ^2/NDF:226286.8/35

All: 2215.667+/-0.241 χ^2/NDF: 477113.9/68

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 807.052+/-2790.805 χ^2/NDF:22.7/17

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 1362.522+/-2807.327 χ^2/NDF:11.0/16

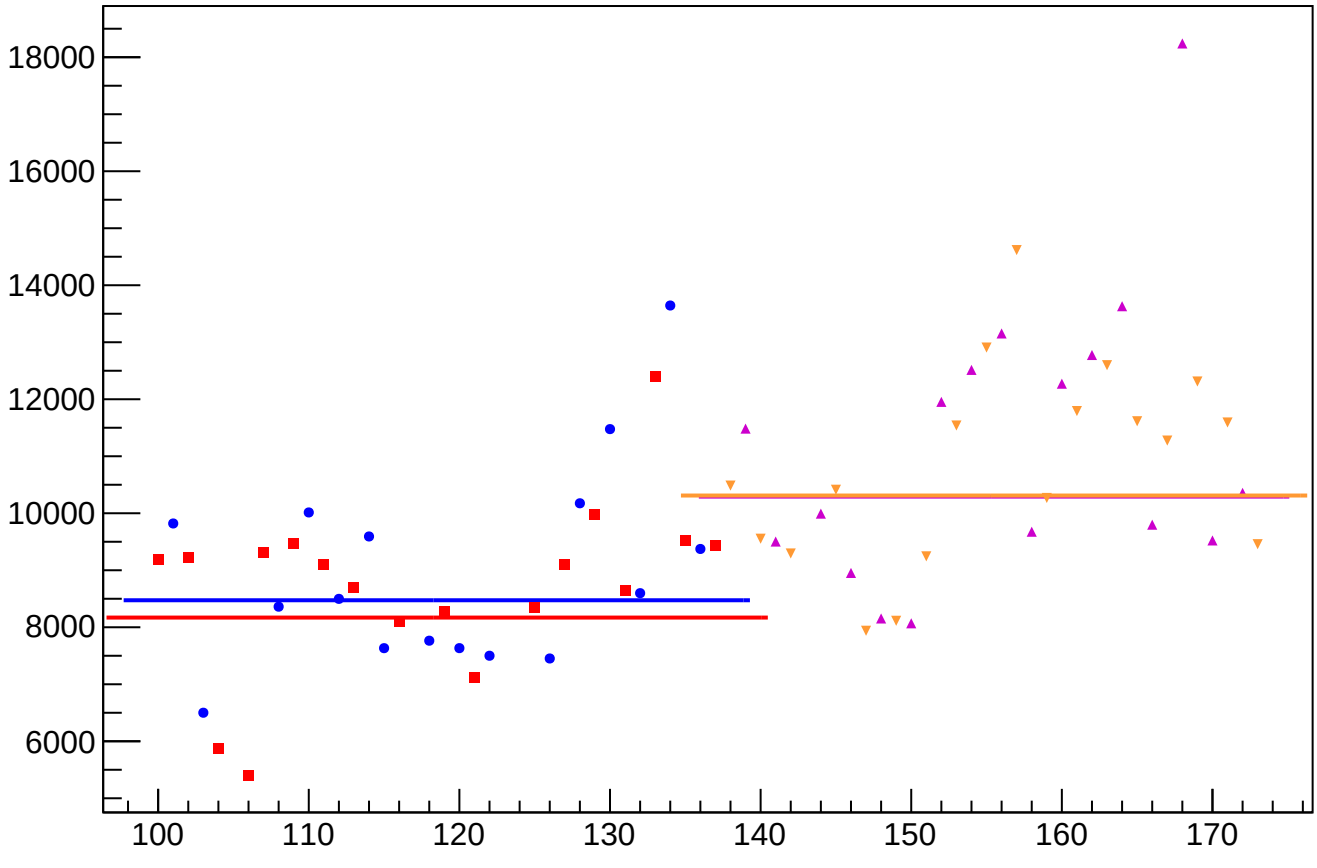
Left: 1083.148+/-1979.213 χ^2/NDF: 33.7/34

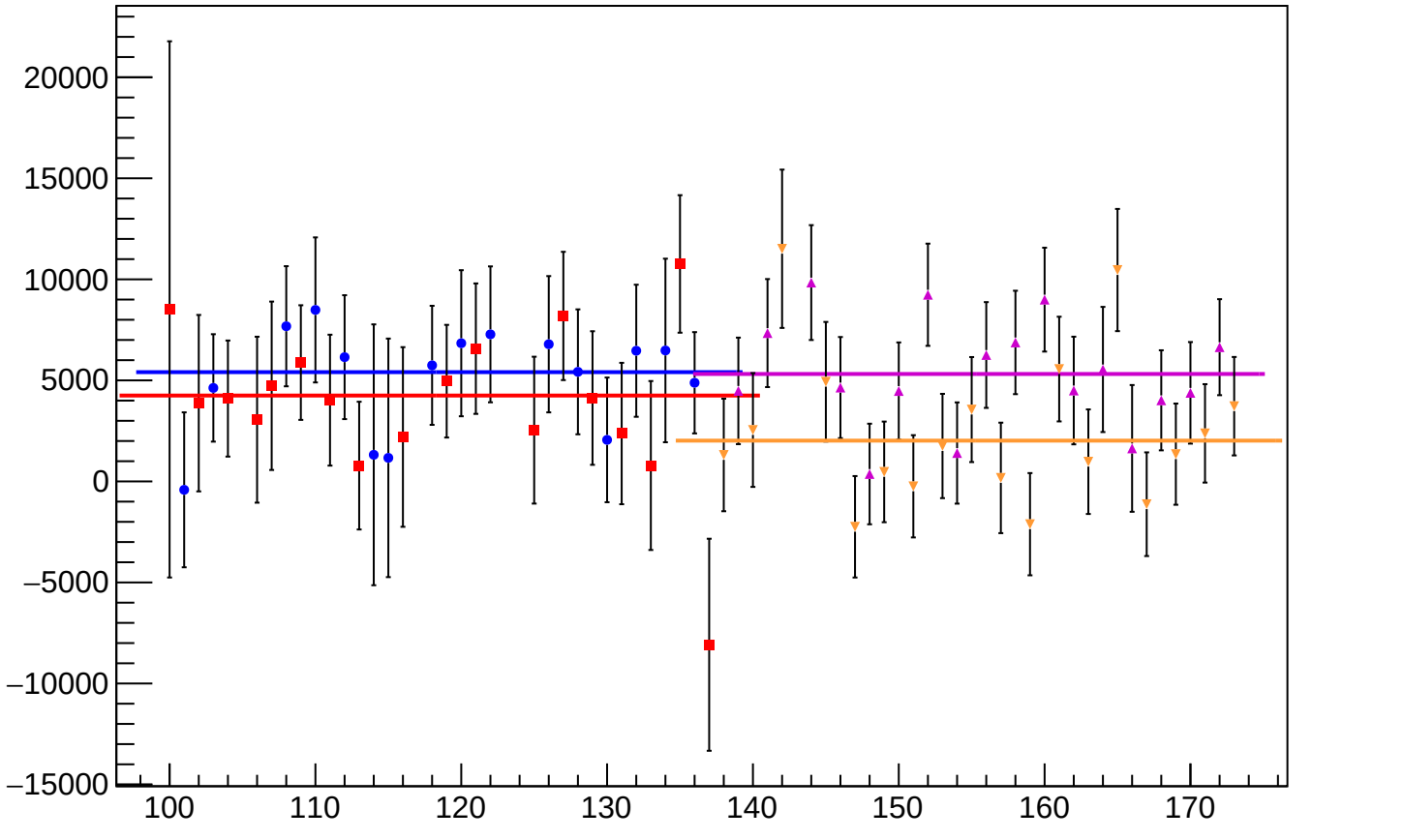
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -177.548+/-2112.772 χ^2/NDF:26.1/32

Out: 275.993+/-2074.107 χ^2/NDF:39.1/35

All: 53.411+/-1480.096 χ^2/NDF: 65.3/68


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
Right In: 8473.743+/-2.269 χ²/NDF: 429547.3/15
Left Out: 10311.022+/-1.973 χ²/NDF:718891.0/17
Right Out: 8170.027+/-2.192 χ²/NDF: 539925.8/17
Left In: 10291.812+/-1.985 χ²/NDF:1011417.2/16
Left: 10301.474+/-1.400 χ²/NDF: 1730355.3/34
Right: 8316.660+/-1.576 χ²/NDF: 978741.7/33
In: 9503.488+/-1.494 χ²/NDF:1804678.0/32
Out: 9352.576+/-1.467 χ²/NDF:1785748.5/35
All: 9426.638+/-1.047 χ²/NDF: 3595622.6/68



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2018.417+/-625.564 χ^2/NDF:26.4/17

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 5317.048+/-630.766 χ^2/NDF:17.0/16

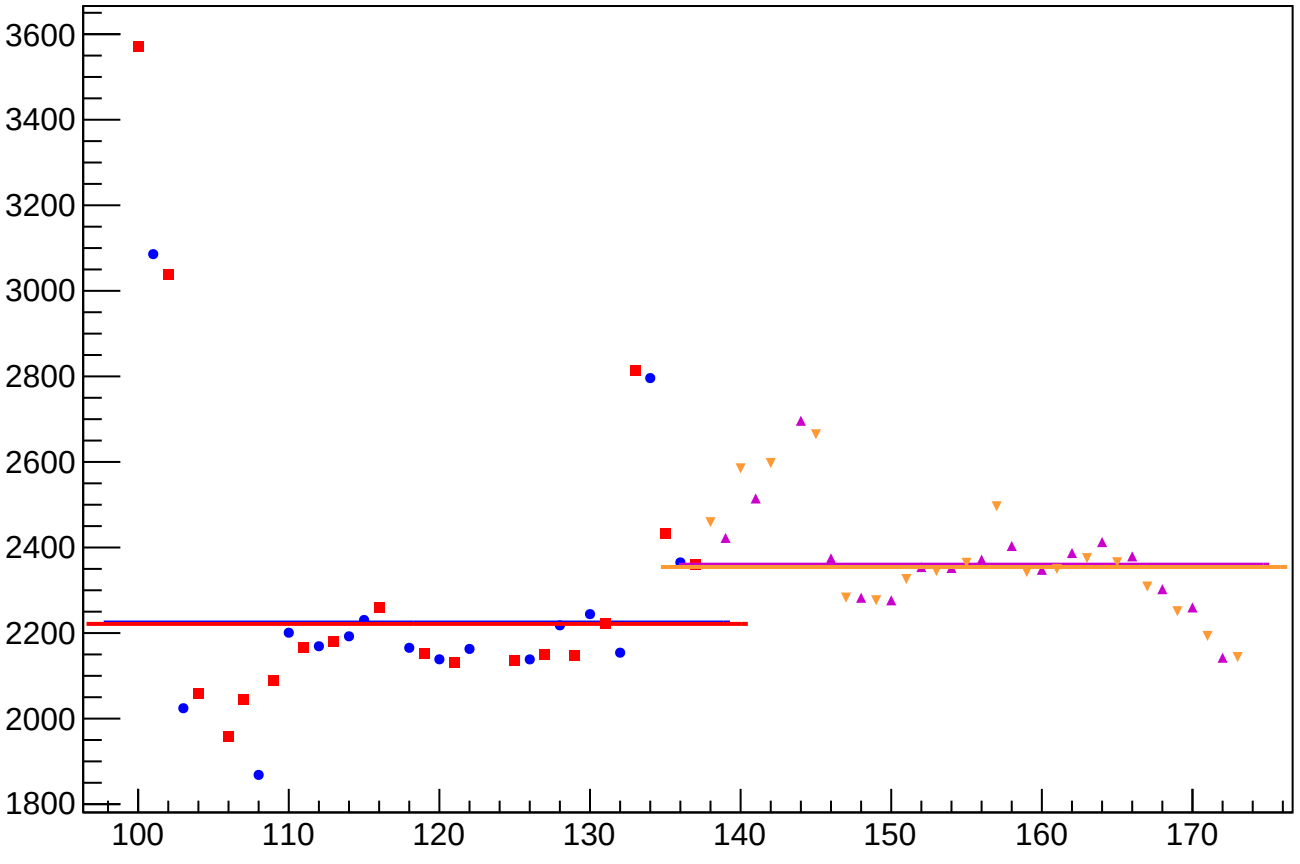
Left: 3654.075+/-444.169 χ^2/NDF: 57.2/34

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5350.111+/-503.016 χ^2/NDF:23.7/32

Out: 2815.310+/-501.579 χ^2/NDF:45.4/35

All: 4079.084+/-355.177 χ^2/NDF: 81.9/68



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2354.492+/-0.442 χ^2/NDF:83135.2/17

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2359.832+/-0.446 χ^2/NDF:62832.1/16

Left: 2357.140+/-0.314 χ^2/NDF: 146039.6/34

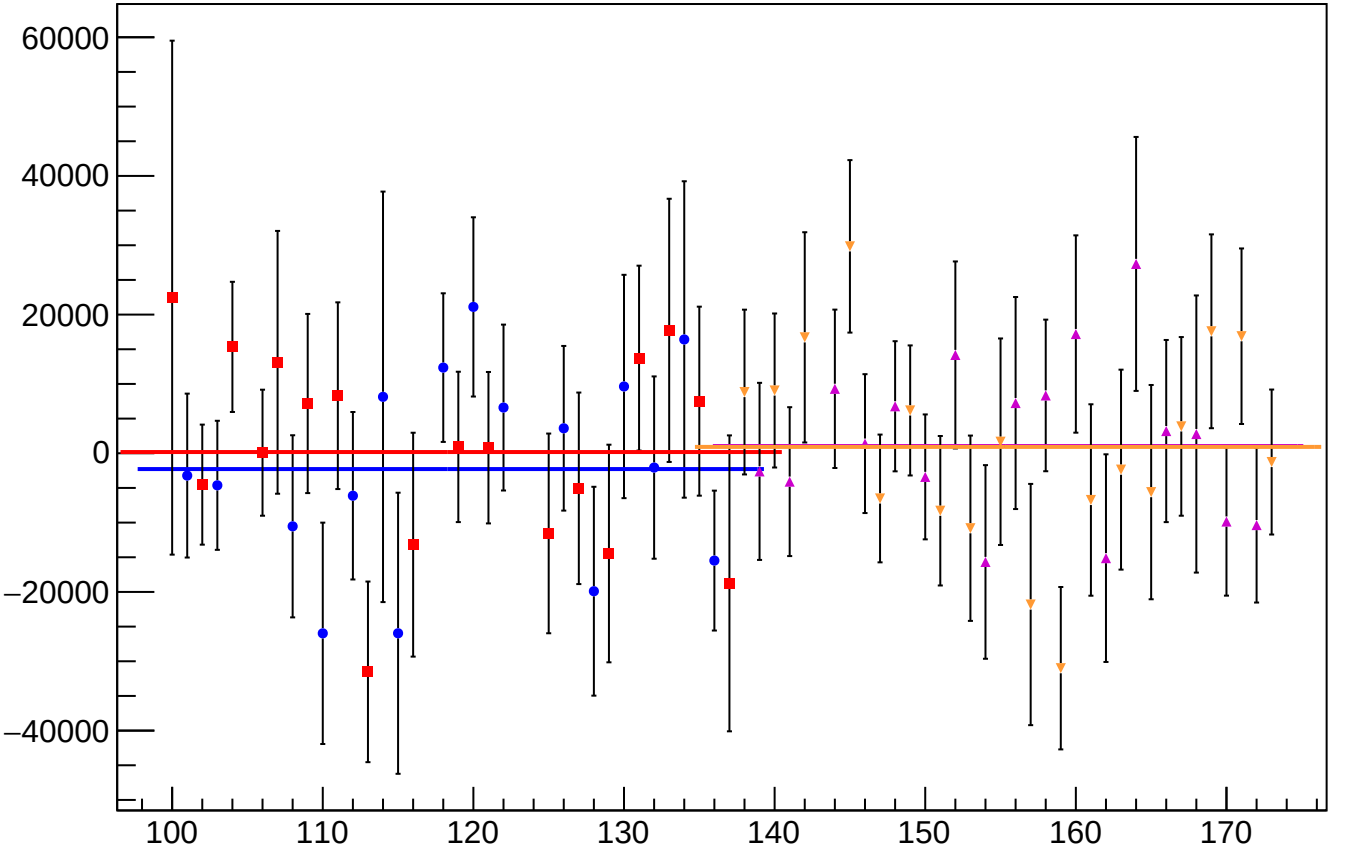
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2310.606+/-0.356 χ^2/NDF:280971.3/32

Out: 2306.934+/-0.355 χ^2/NDF:285422.1/35

All: 2308.765+/-0.251 χ^2/NDF: 566446.9/68

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: 917.663+/-2896.033 χ^2/NDF:22.7/17

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 1047.179+/-2925.664 χ^2/NDF:11.1/16

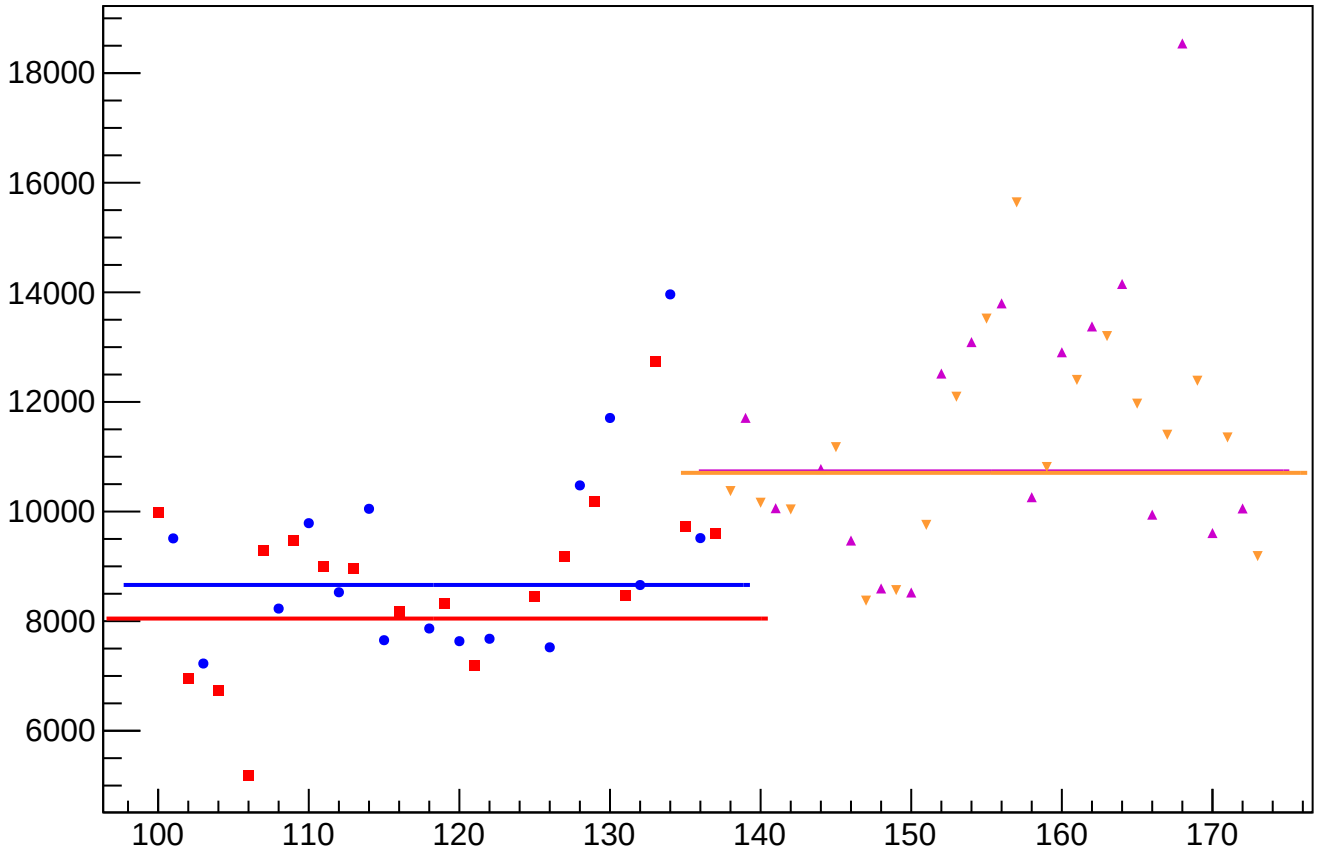
Left: 981.762+/-2058.200 χ^2/NDF: 33.8/34

Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -430.493+/-2180.886 χ^2/NDF:26.1/32

Out: 564.731+/-2095.327 χ^2/NDF:38.4/35

All: 87.023+/-1510.962 χ^2/NDF: 64.6/68



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10706.342+/-2.048 χ^2/NDF:700575.2/17

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10732.792+/-2.069 χ^2/NDF:972292.7/16

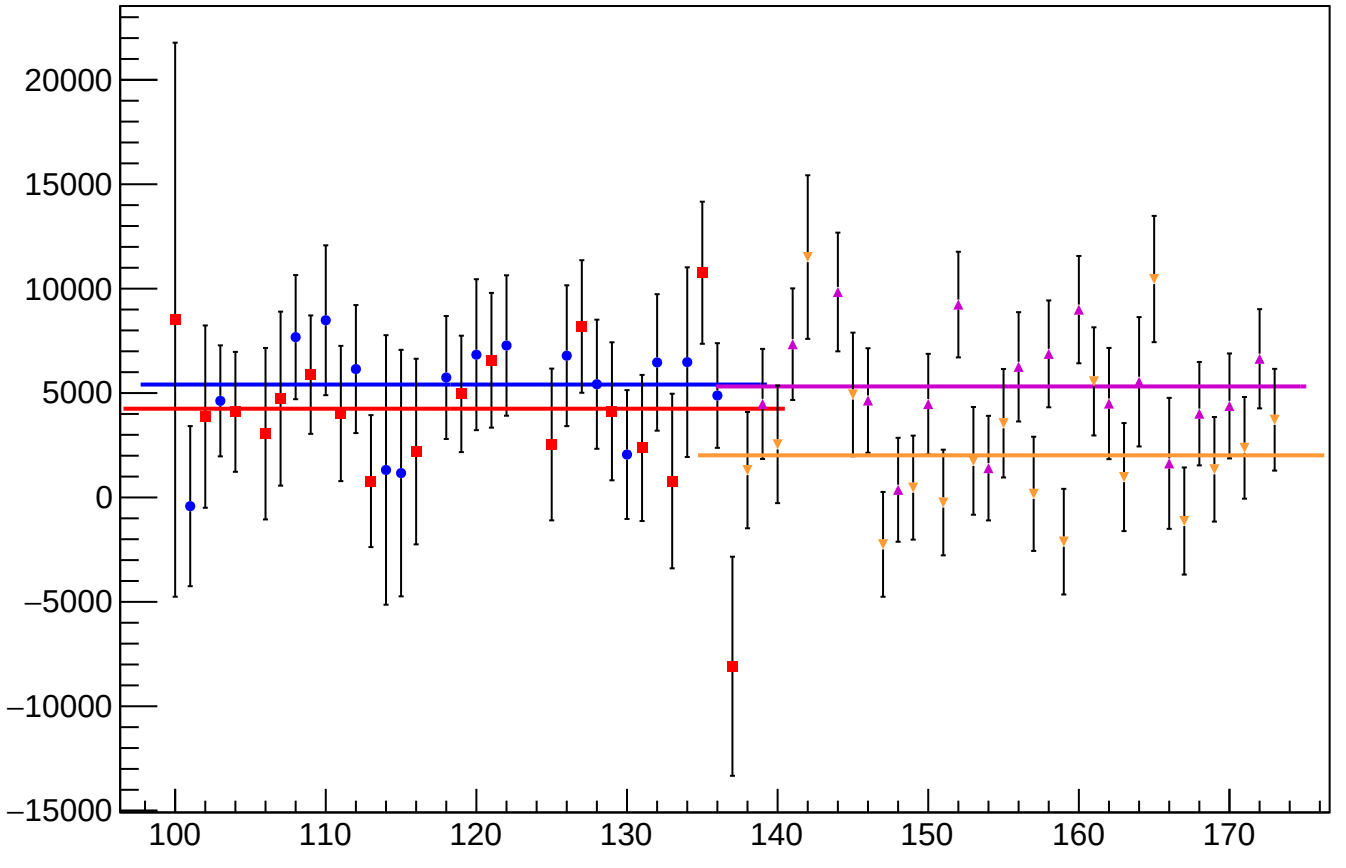
Left: 10719.432+/-1.455 χ^2/NDF: 1672950.5/34

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9812.114+/-1.542 χ^2/NDF:1776004.5/32

Out: 9439.321+/-1.482 χ^2/NDF:2062486.8/35

All: 9618.262+/-1.068 χ^2/NDF: 3868879.4/68



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 2018.407+/-625.565 χ^2/NDF:26.4/17

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 5317.052+/-630.767 χ^2/NDF:17.0/16

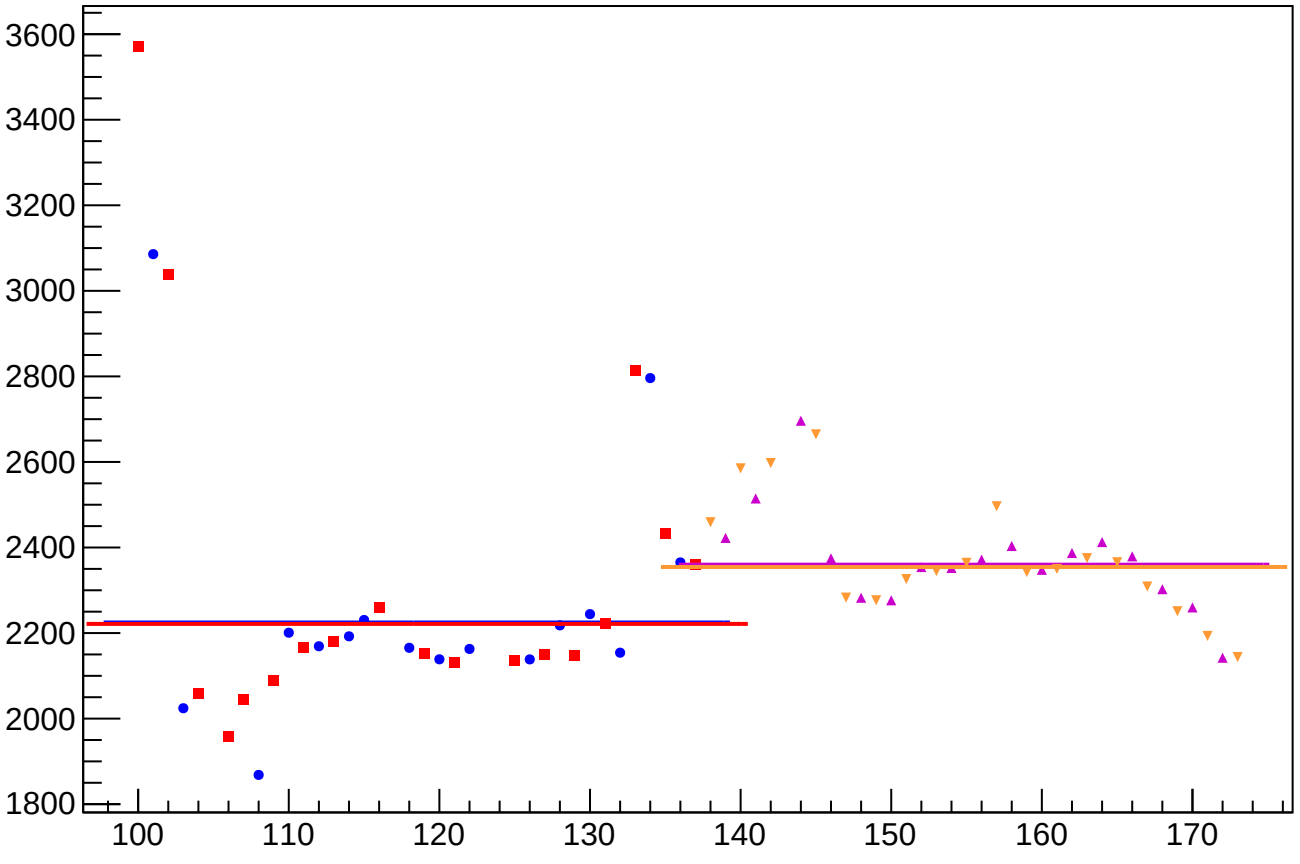
Left: 3654.072+/-444.169 χ^2/NDF: 57.2/34

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5350.113+/-503.016 χ^2/NDF:23.7/32

Out: 2815.307+/-501.579 χ^2/NDF:45.4/35

All: 4079.084+/-355.177 χ^2/NDF: 81.9/68



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2354.494+/-0.442 χ^2/NDF:83138.2/17

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2359.835+/-0.446 χ^2/NDF:62833.8/16

Left: 2357.142+/-0.314 χ^2/NDF: 146044.4/34

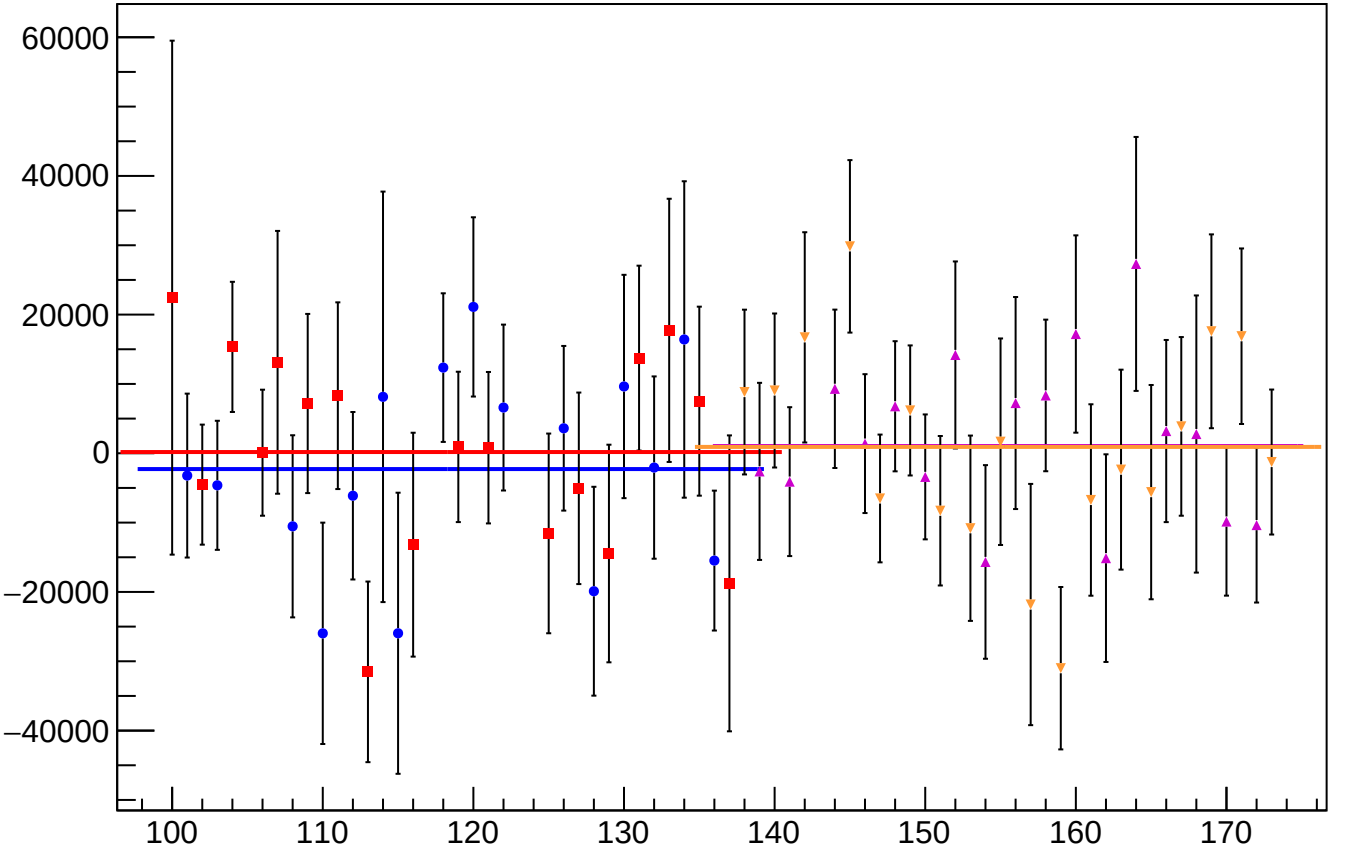
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2310.608+/-0.356 χ^2/NDF:280975.0/32

Out: 2306.935+/-0.355 χ^2/NDF:285426.6/35

All: 2308.766+/-0.251 χ^2/NDF: 566455.0/68

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: 917.656+/-2896.037 χ^2/NDF:22.7/17

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: 1047.178+/-2925.668 χ^2/NDF:11.1/16

Left: 981.758+/-2058.204 χ^2/NDF: 33.8/34

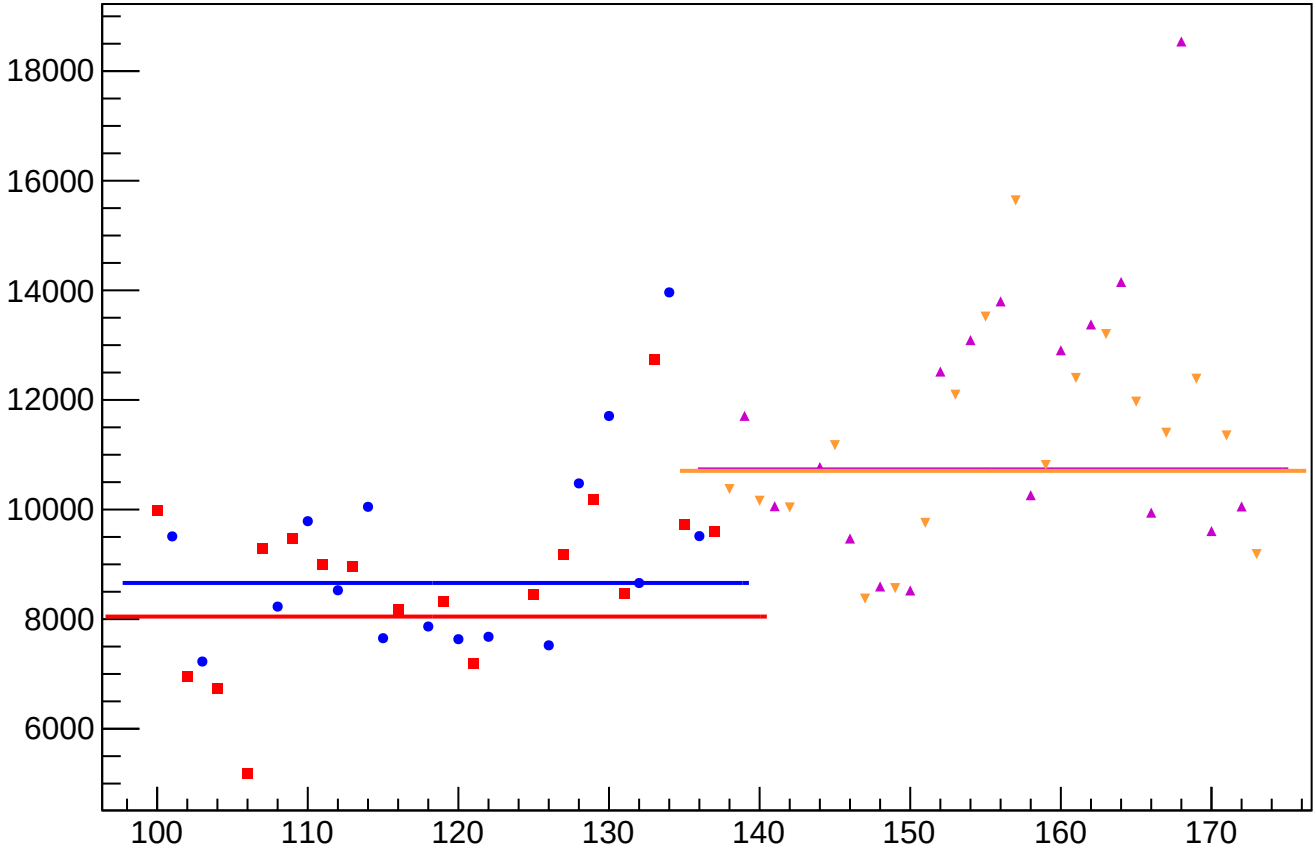
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -430.490+/-2180.885 χ^2/NDF:26.1/32

Out: 564.728+/-2095.327 χ^2/NDF:38.4/35

All: 87.023+/-1510.962 χ^2/NDF: 64.6/68

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: 10706.359+/-2.048 χ^2/NDF:700576.4/17

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10732.808+/-2.069 χ^2/NDF:972294.6/16

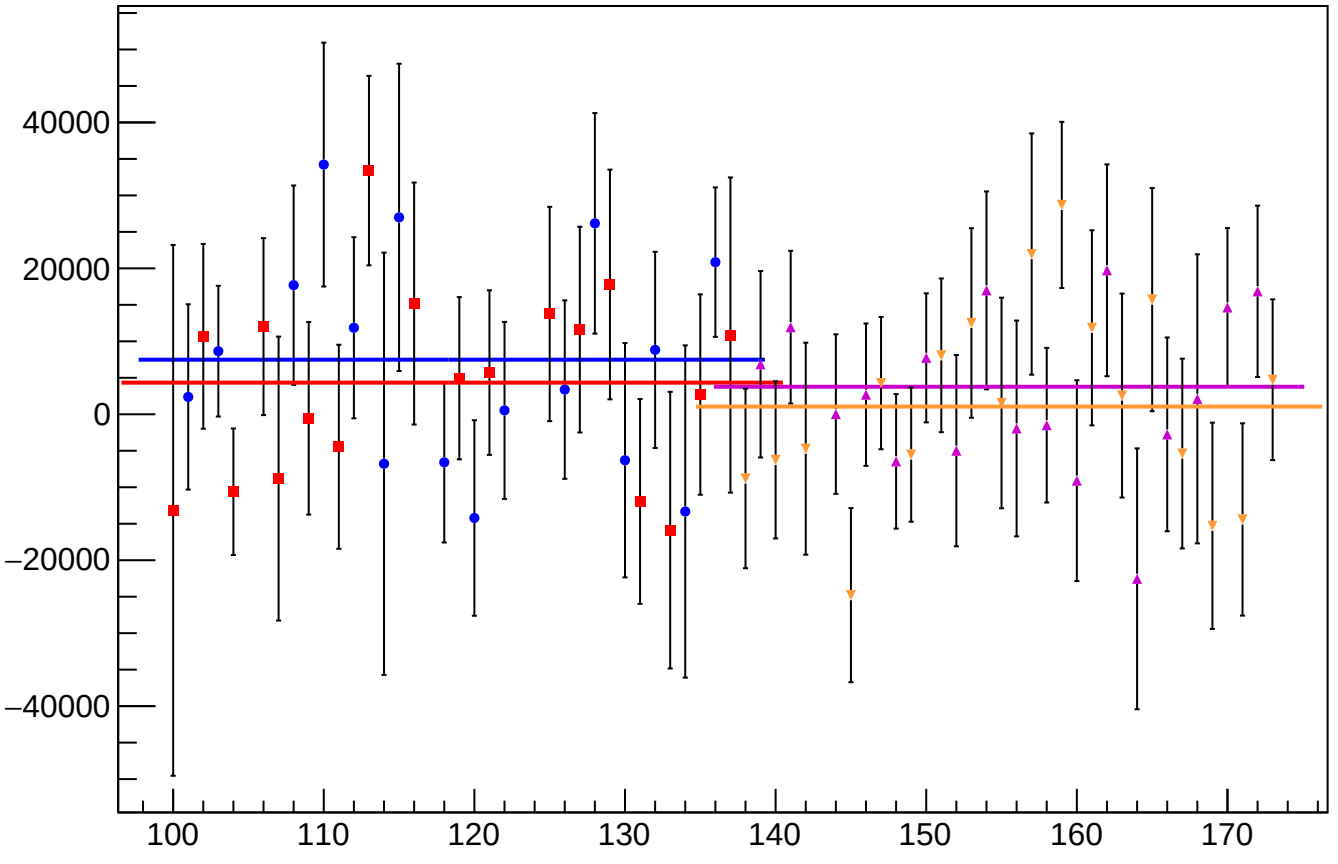
Left: 10719.449+/-1.455 χ^2/NDF: 1672953.6/34

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 9812.109+/-1.542 χ^2/NDF:1776025.1/32

Out: 9439.316+/-1.482 χ^2/NDF:2062508.1/35

All: 9618.257+/-1.068 χ^2/NDF: 3868921.2/68



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 1055.580+/-2863.656 χ^2/NDF:19.9/17

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 3771.361+/-2881.081 χ^2/NDF:10.8/16

Left: 2405.233+/-2031.043 χ^2/NDF: 31.2/34

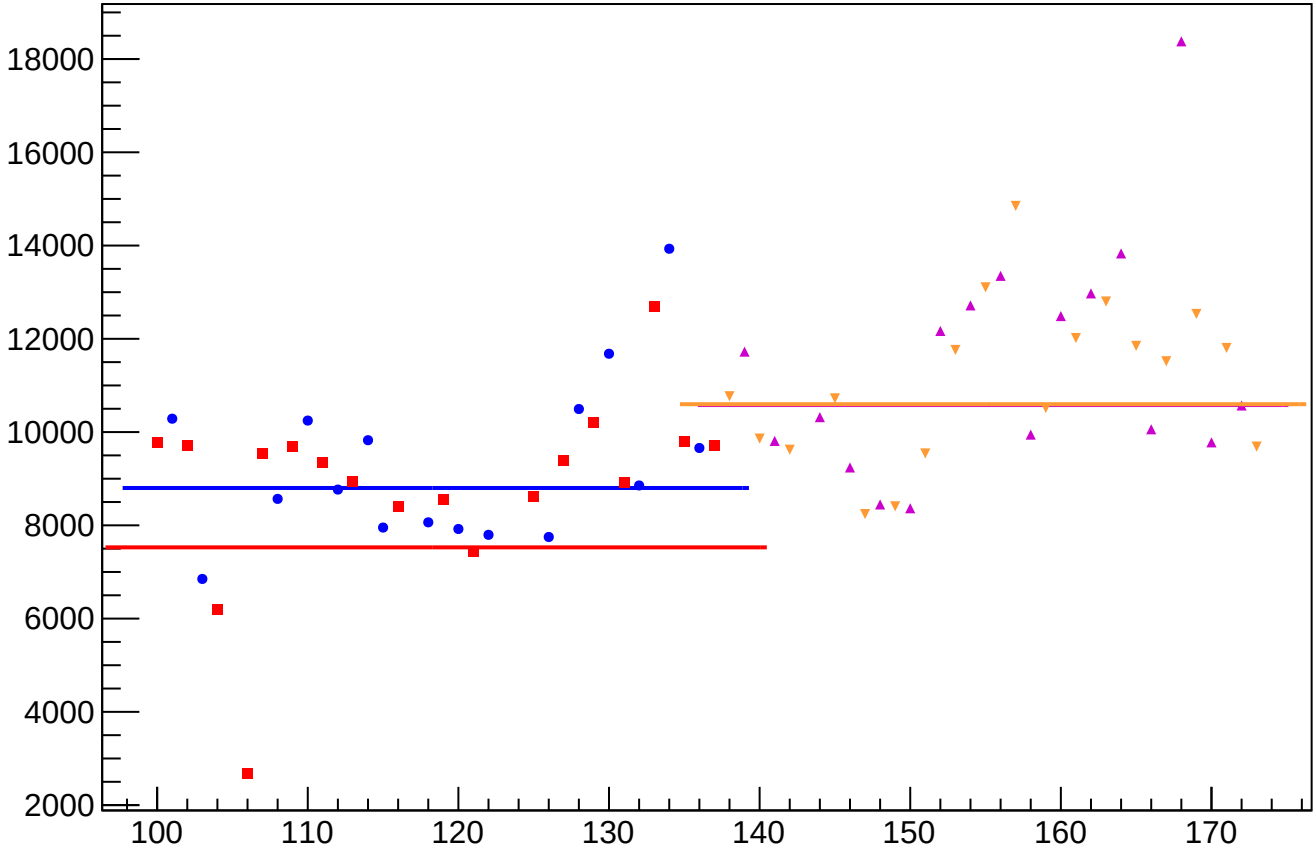
Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 5359.282+/-2179.050 χ^2/NDF:25.5/32

Out: 2493.933+/-2146.450 χ^2/NDF:34.8/35

All: 3905.013+/-1529.165 χ^2/NDF: 61.2/68

asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10597.859+/-2.025 χ^2/NDF:659644.7/17

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10579.553+/-2.037 χ^2/NDF:937162.6/16

Left: 10588.761+/-1.436 χ^2/NDF: 1596847.9/34

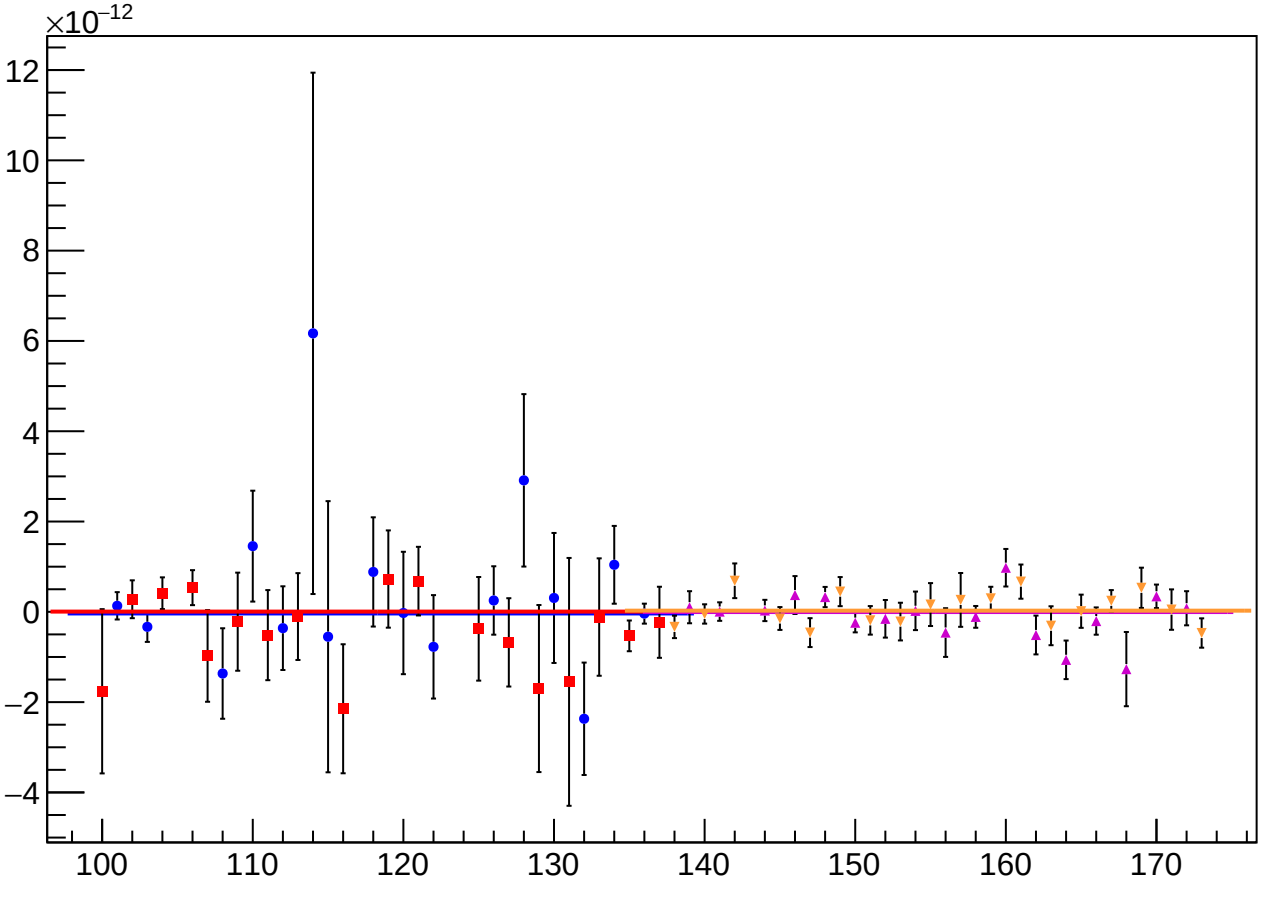
Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 9818.418+/-1.541 χ^2/NDF:1657896.5/32

Out: 9139.226+/-1.467 χ^2/NDF:3409090.2/35

All: 9462.170+/-1.062 χ^2/NDF: 5168903.3/68

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.000 χ^2/NDF:23.1/16

Left: 0.000+/-0.000 χ^2/NDF: 43.0/34

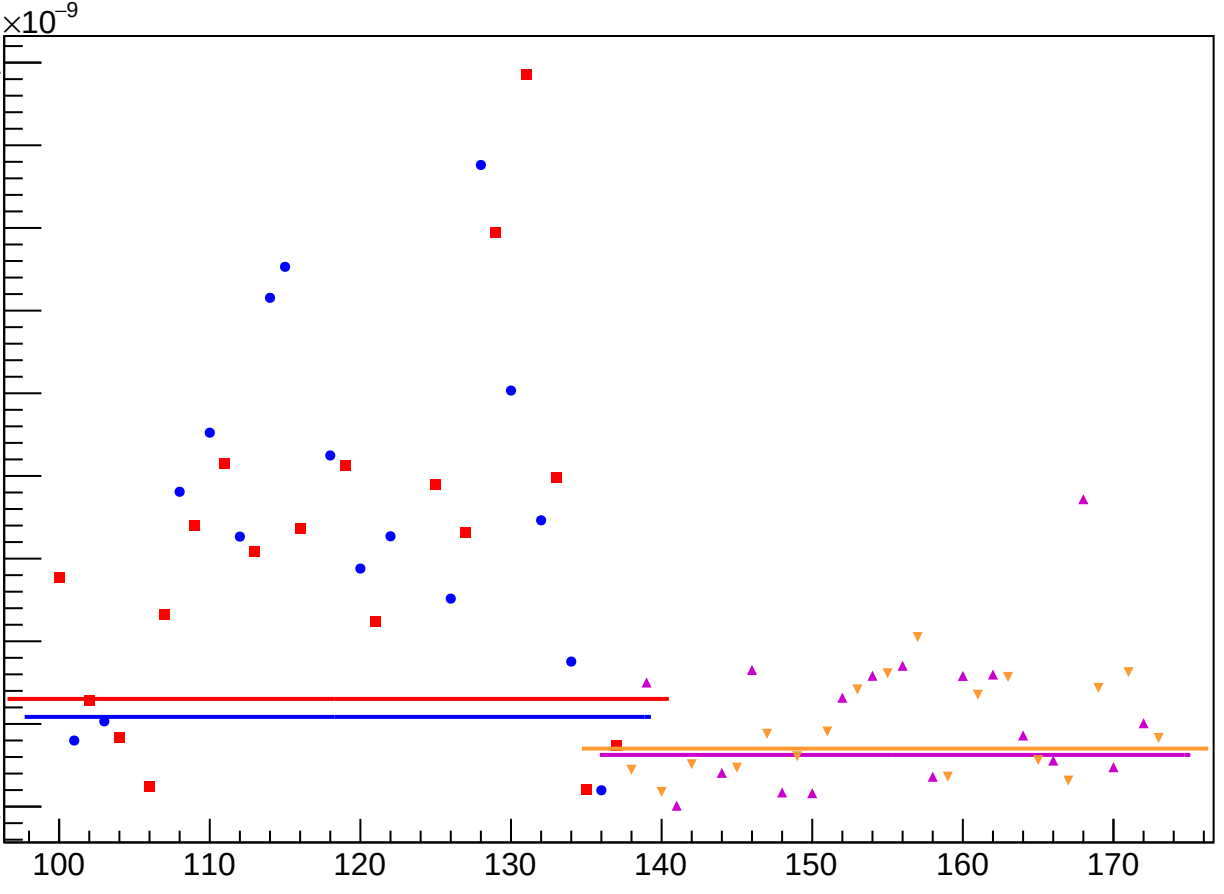
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: -0.000+/-0.000 χ^2/NDF:37.5/32

Out: 0.000+/-0.000 χ^2/NDF:33.5/35

All: 0.000+/-0.000 χ^2/NDF: 71.1/68

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:787806.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1398250.1/16

Left: 0.000+/-0.000 χ^2/NDF: 2196369.2/34

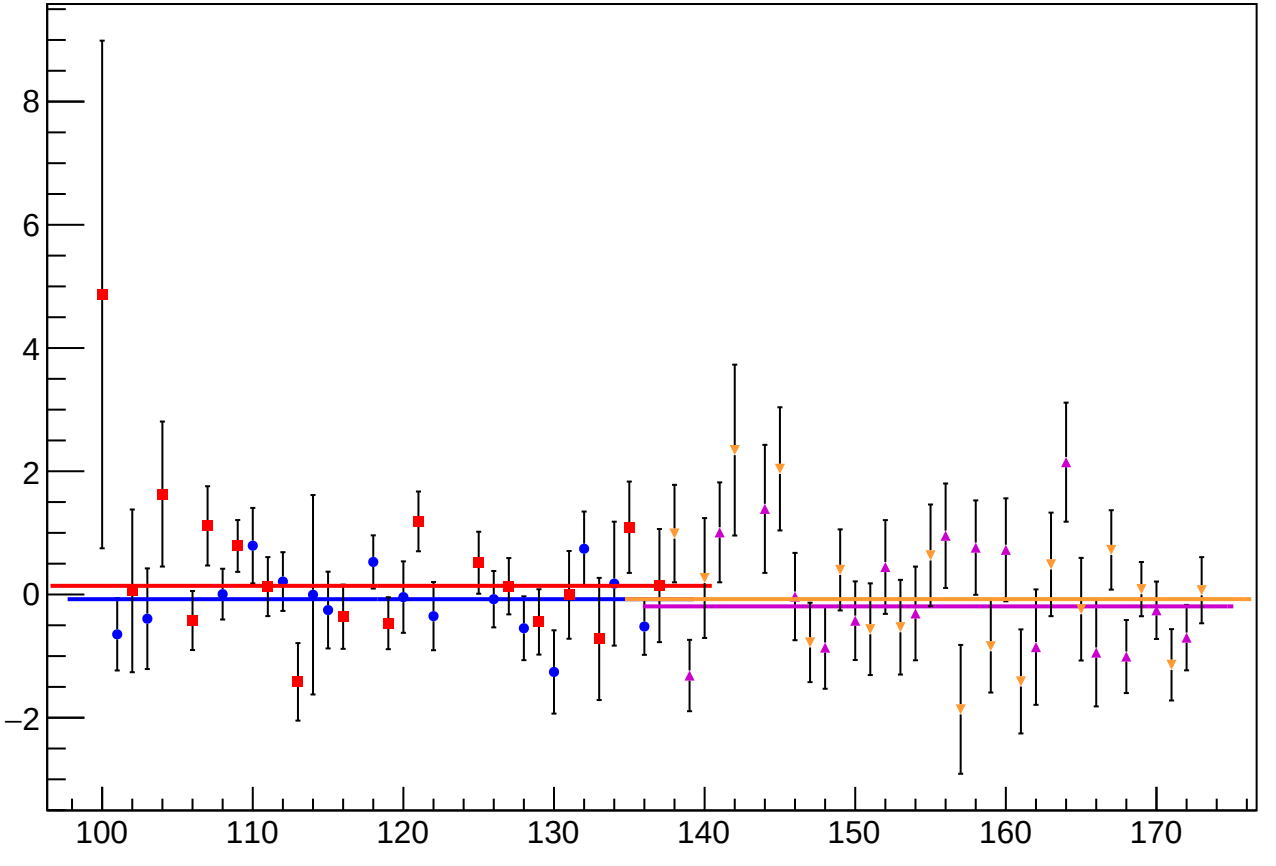
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:3195383.8/32

Out: 0.000+/-0.000 χ^2/NDF:2588626.4/35

All: 0.000+/-0.000 χ^2/NDF: 5802135.5/68

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: -0.075+/-0.169 χ^2/NDF:24.8/17

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.193+/-0.170 χ^2/NDF:24.7/16

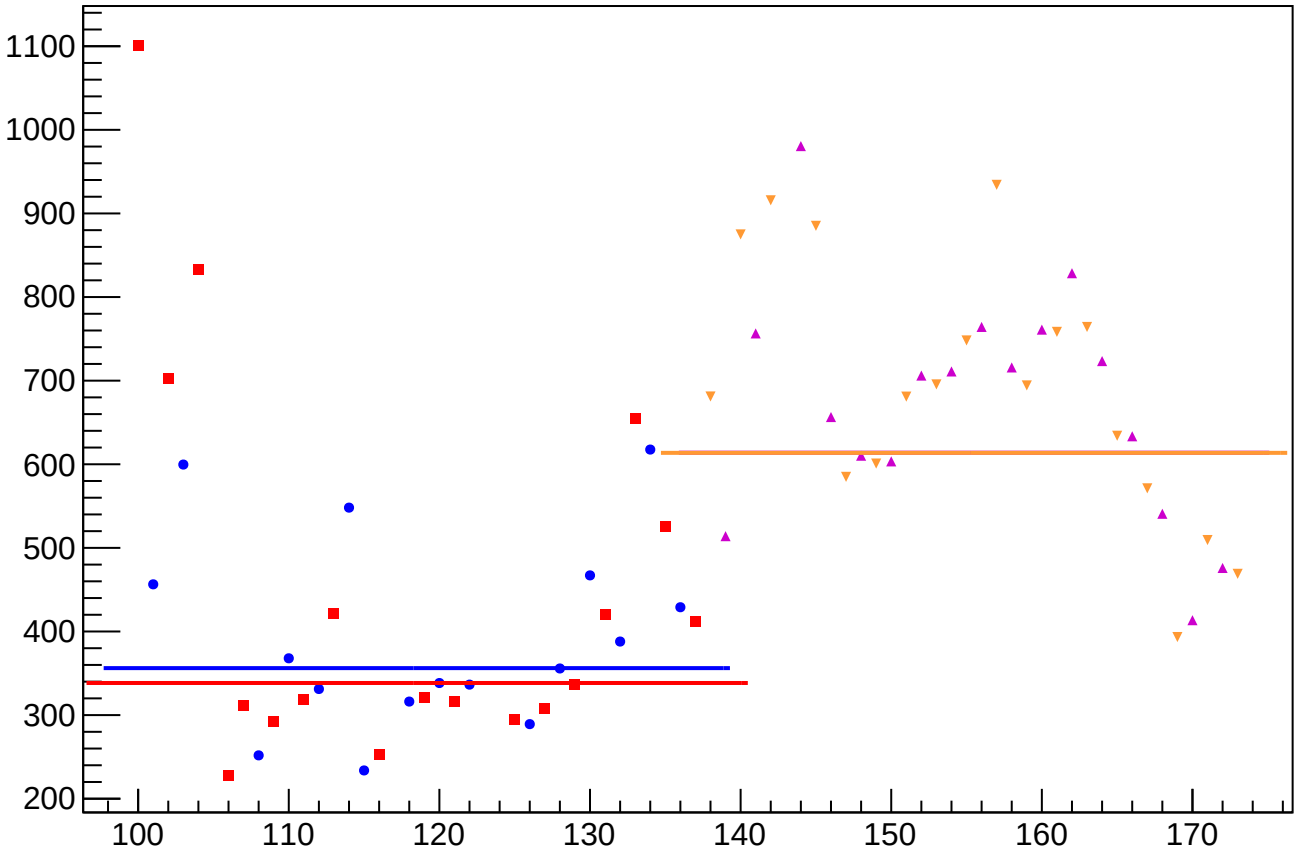
Left: -0.134+/-0.120 χ^2/NDF: 49.7/34

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.124+/-0.108 χ^2/NDF:37.5/32

Out: 0.054+/-0.107 χ^2/NDF:52.7/35

All: -0.034+/-0.076 χ^2/NDF: 91.6/68



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 613.660+/-0.120 χ^2/NDF:1552943.0/17

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 613.846+/-0.120 χ^2/NDF:1267440.5/16

Left: 613.753+/-0.085 χ^2/NDF: 2820384.7/34

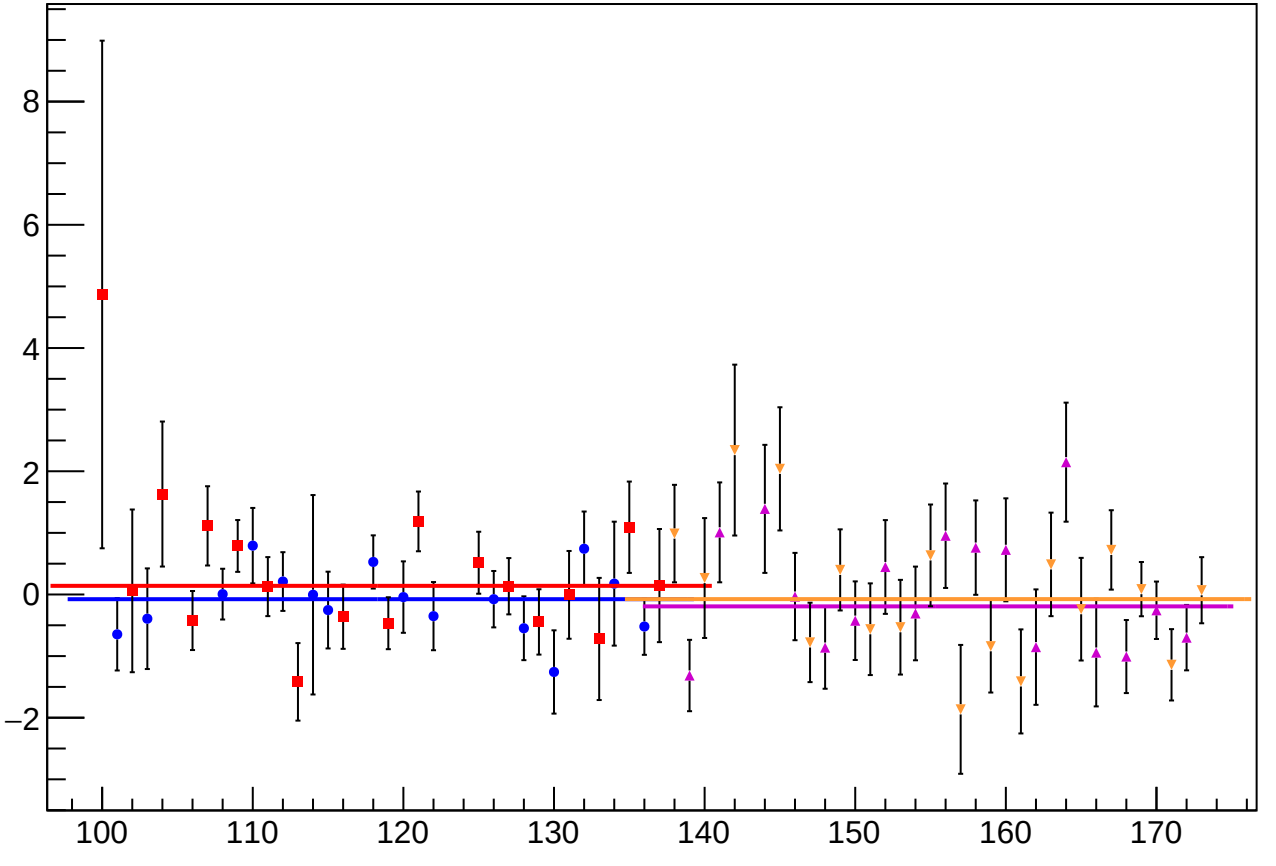
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 460.265+/-0.076 χ^2/NDF:4792717.5/32

Out: 448.146+/-0.076 χ^2/NDF:5929636.8/35

All: 454.148+/-0.054 χ^2/NDF: 10735062.7/68

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: -0.075+/-0.169 χ^2/NDF:24.8/17

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.193+/-0.170 χ^2/NDF:24.7/16

Left: -0.134+/-0.120 χ^2/NDF: 49.7/34

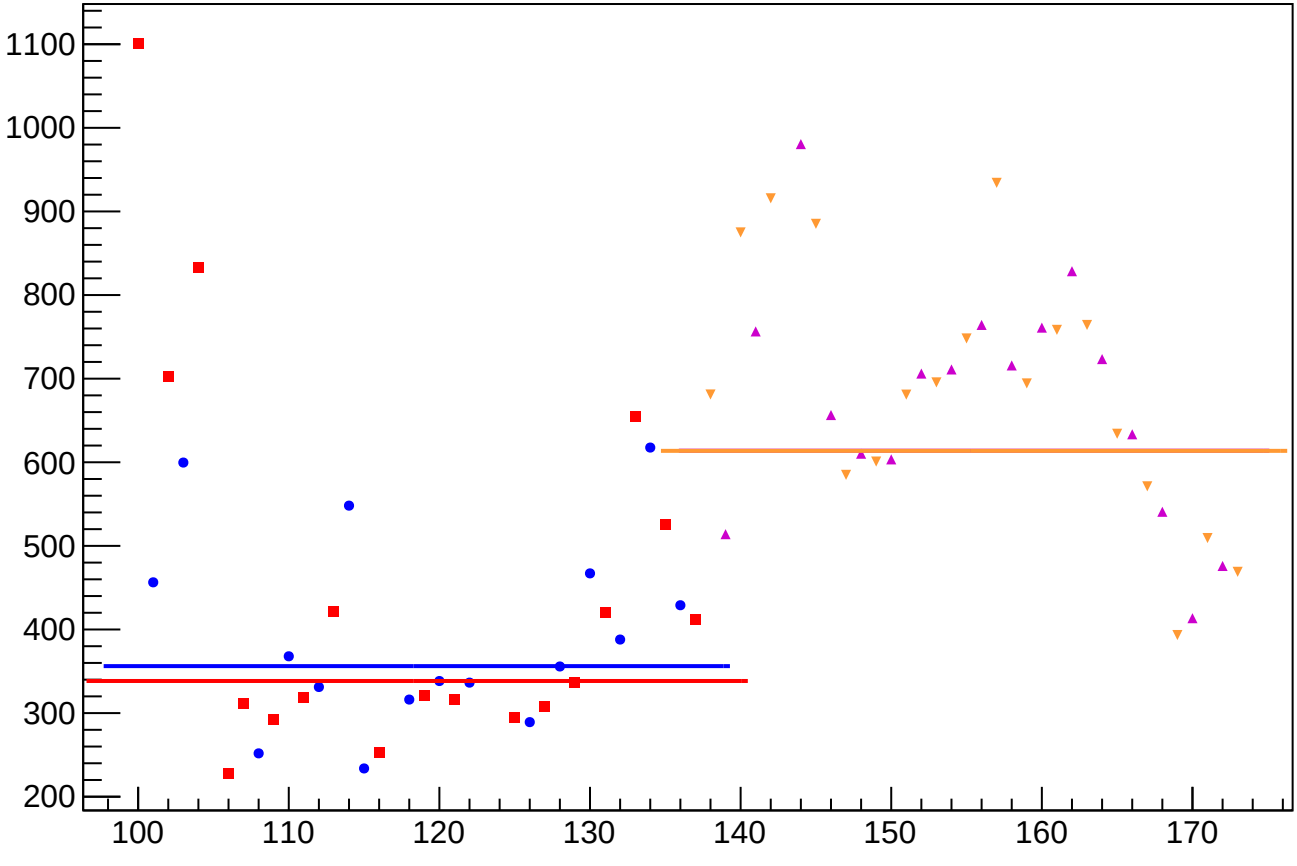
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.124+/-0.108 χ^2/NDF:37.5/32

Out: 0.054+/-0.107 χ^2/NDF:52.7/35

All: -0.034+/-0.076 χ^2/NDF: 91.6/68

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 613.660+/-0.120 χ^2/NDF:1552943.0/17

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 613.846+/-0.120 χ^2/NDF:1267440.5/16

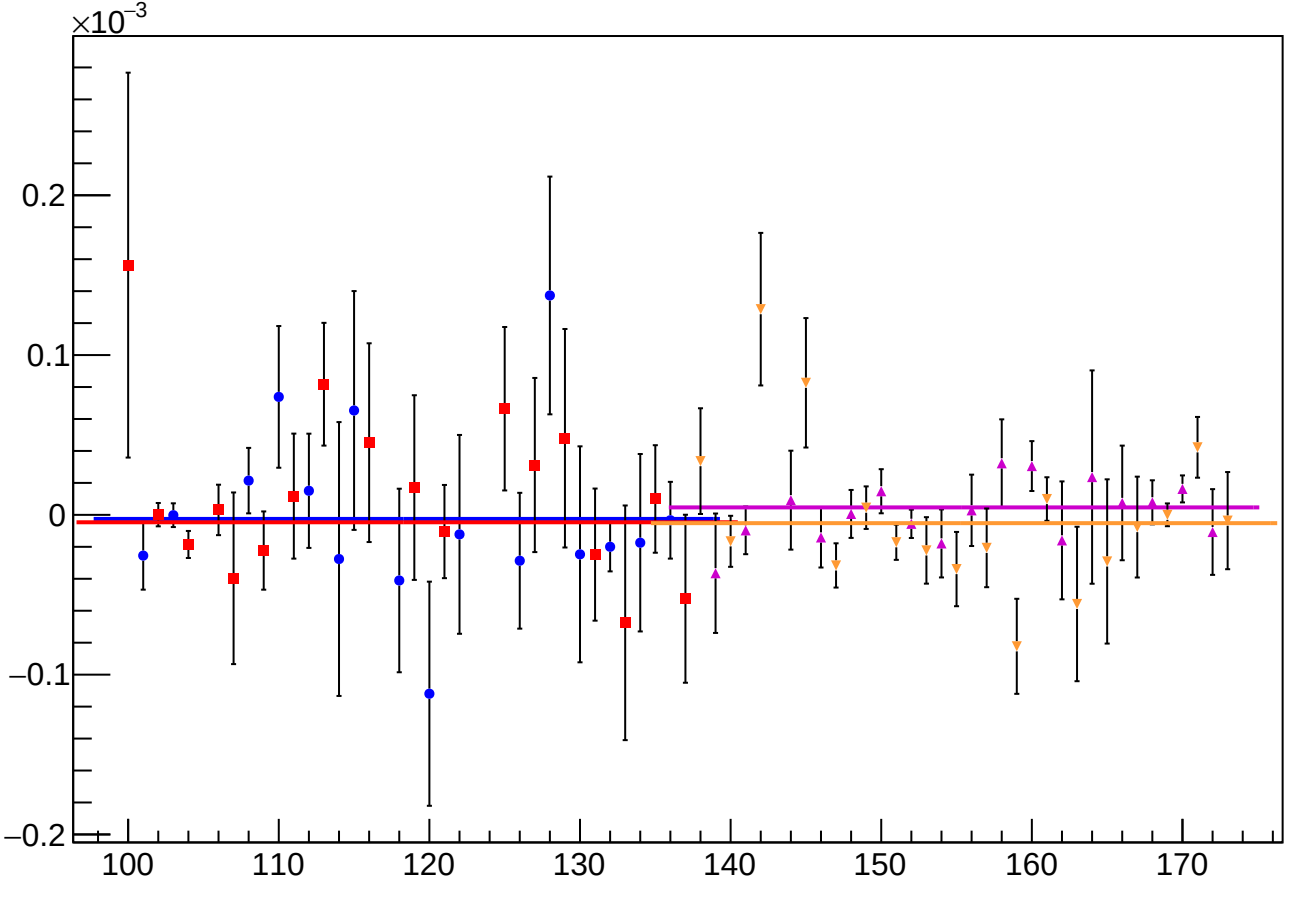
Left: 613.753+/-0.085 χ^2/NDF: 2820384.7/34

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 460.265+/-0.076 χ^2/NDF:4792717.5/32

Out: 448.146+/-0.076 χ^2/NDF:5929636.8/35

All: 454.148+/-0.054 χ^2/NDF: 10735062.7/68



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:38.4/17

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/17

Left In: 0.000+/-0.000 χ^2/NDF:12.7/16

Left: -0.000+/-0.000 χ^2/NDF: 54.2/34

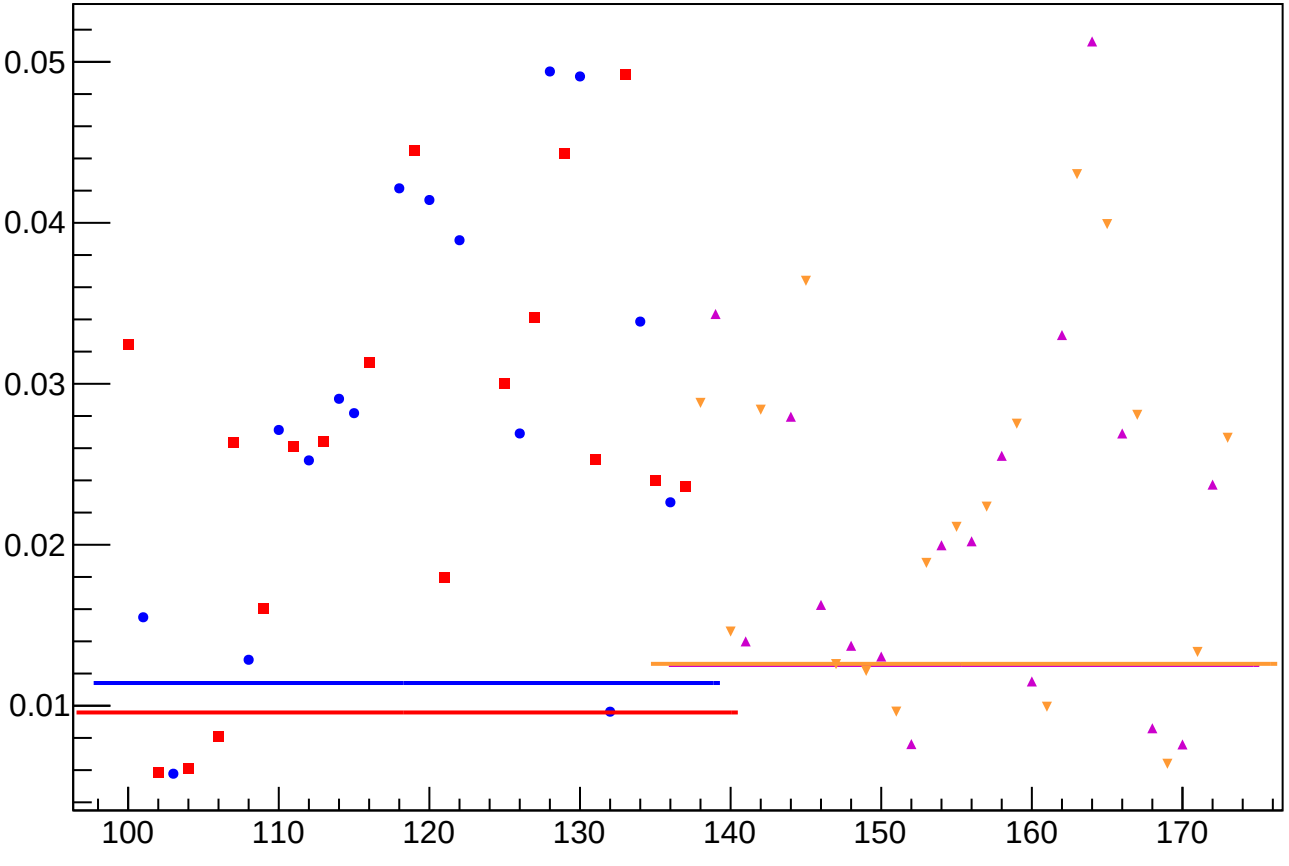
Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: 0.000+/-0.000 χ^2/NDF:28.8/32

Out: -0.000+/-0.000 χ^2/NDF:55.5/35

All: -0.000+/-0.000 χ^2/NDF: 87.0/68

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.013+/-0.000 χ^2/NDF:6696660.6/17

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.013+/-0.000 χ^2/NDF:5646565.7/16

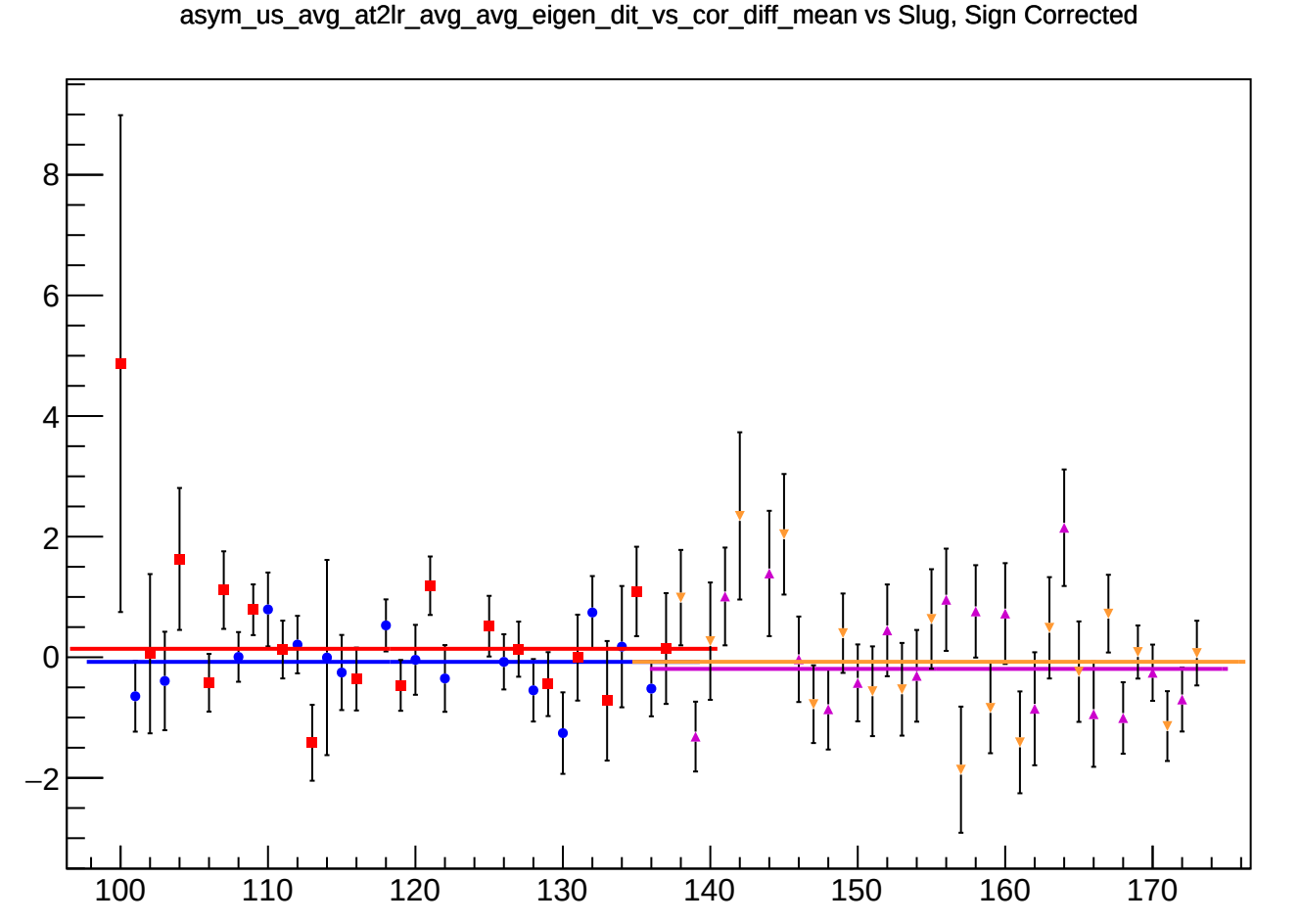
Left: 0.013+/-0.000 χ^2/NDF: 12343544.2/34

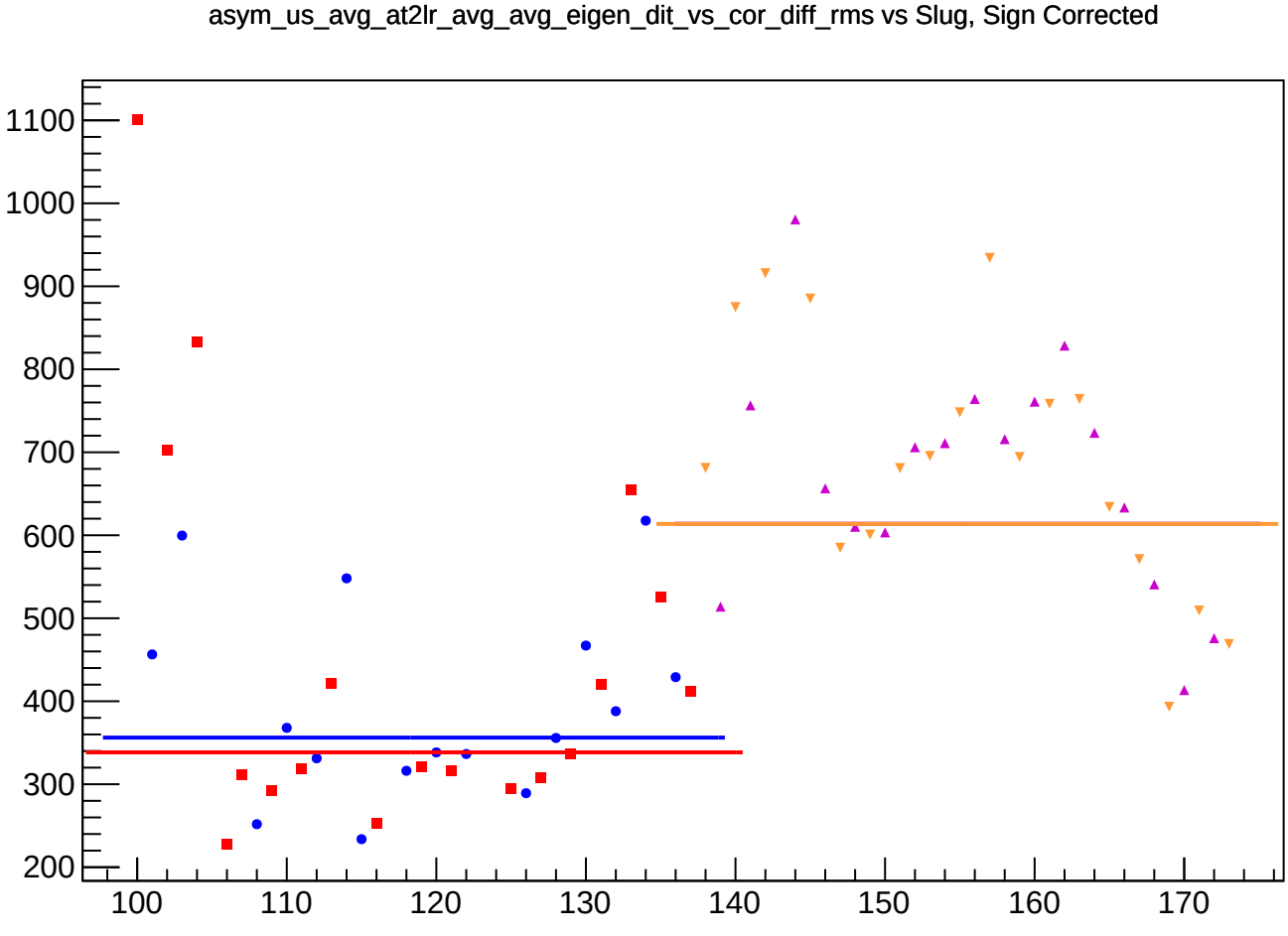
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.012+/-0.000 χ^2/NDF:11200862.8/32

Out: 0.011+/-0.000 χ^2/NDF:12961235.5/35

All: 0.012+/-0.000 χ^2/NDF: 24228833.1/68


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
Right In: -0.076+/-0.140 χ²/NDF: 12.5/15
Left Out: -0.075+/-0.169 χ²/NDF:24.8/17
Right Out: 0.140+/-0.138 χ²/NDF: 27.0/17
Left In: -0.193+/-0.170 χ²/NDF:24.7/16
Left: -0.134+/-0.120 χ²/NDF: 49.7/34
Right: 0.033+/-0.098 χ²/NDF: 40.7/33
In: -0.124+/-0.108 χ²/NDF:37.5/32
Out: 0.054+/-0.107 χ²/NDF:52.7/35
All: -0.034+/-0.076 χ²/NDF: 91.6/68



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 613.660+/-0.120 χ^2/NDF:1553110.7/17

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 613.850+/-0.120 χ^2/NDF:1267532.9/16

Left: 613.755+/-0.085 χ^2/NDF: 2820644.9/34

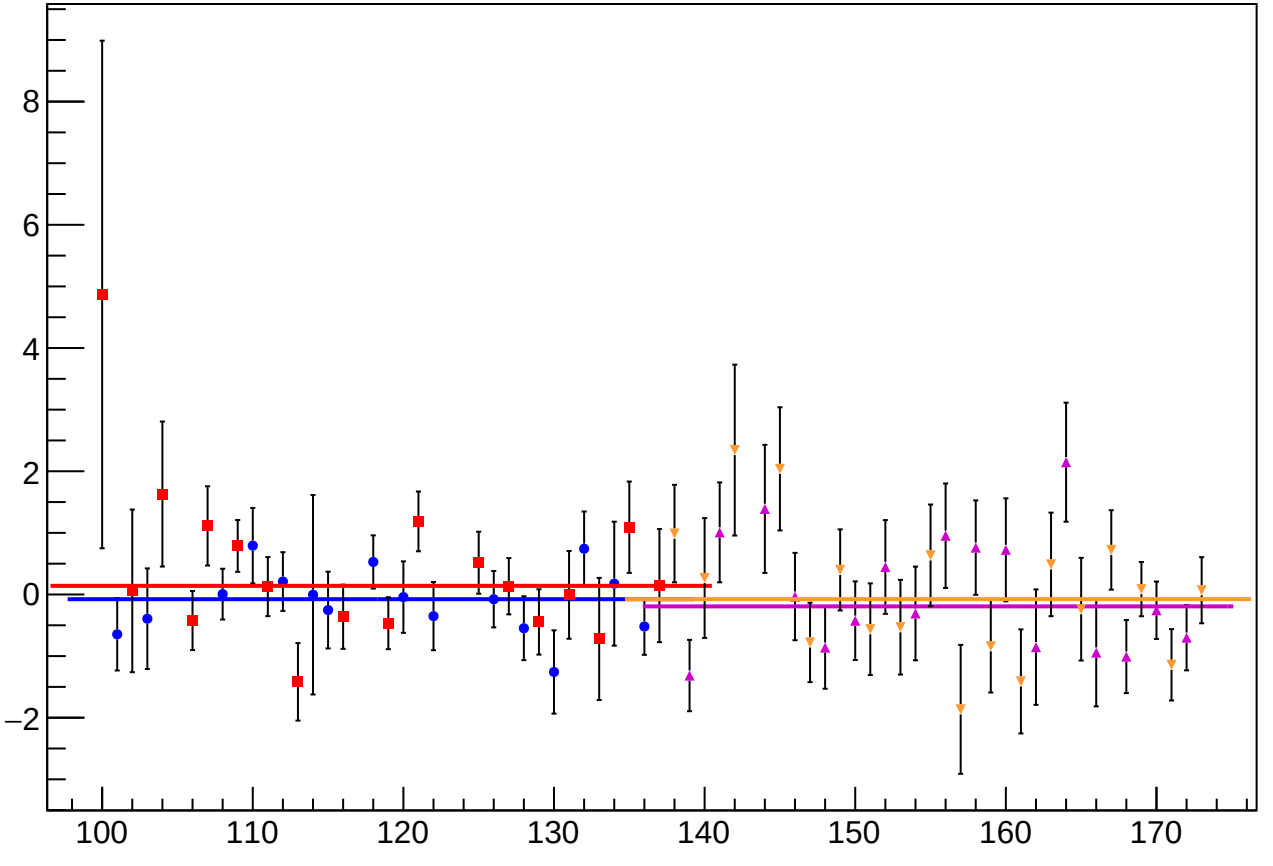
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 460.264+/-0.076 χ^2/NDF:4792882.1/32

Out: 448.143+/-0.076 χ^2/NDF:5929837.7/35

All: 454.146+/-0.054 χ^2/NDF: 10735432.0/68

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: -0.075+/-0.169 χ^2/NDF:24.8/17

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.193+/-0.170 χ^2/NDF:24.7/16

Left: -0.134+/-0.120 χ^2/NDF: 49.7/34

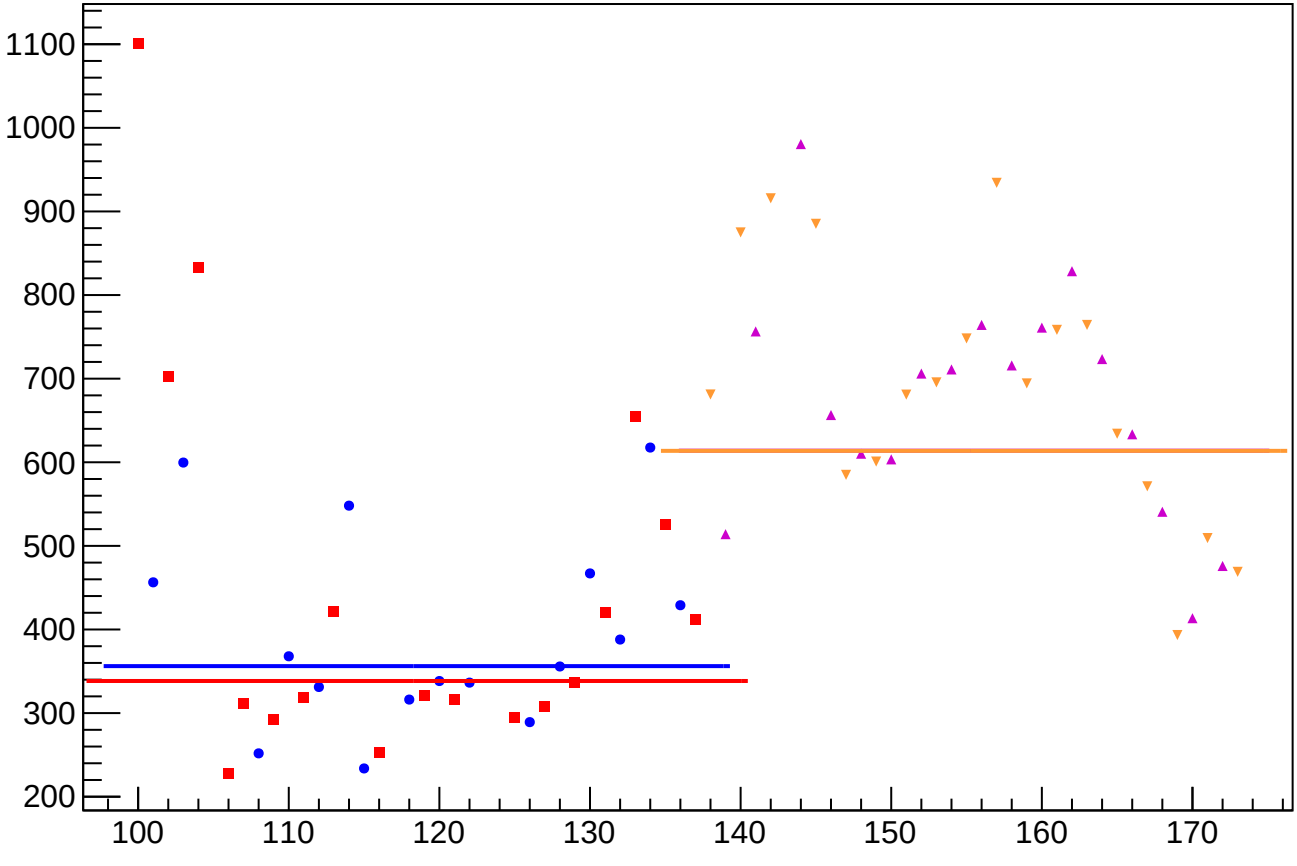
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.124+/-0.108 χ^2/NDF:37.5/32

Out: 0.054+/-0.107 χ^2/NDF:52.7/35

All: -0.034+/-0.076 χ^2/NDF: 91.6/68

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: 613.660+/-0.120 χ^2/NDF:1553110.7/17

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 613.850+/-0.120 χ^2/NDF:1267532.9/16

Left: 613.755+/-0.085 χ^2/NDF: 2820644.9/34

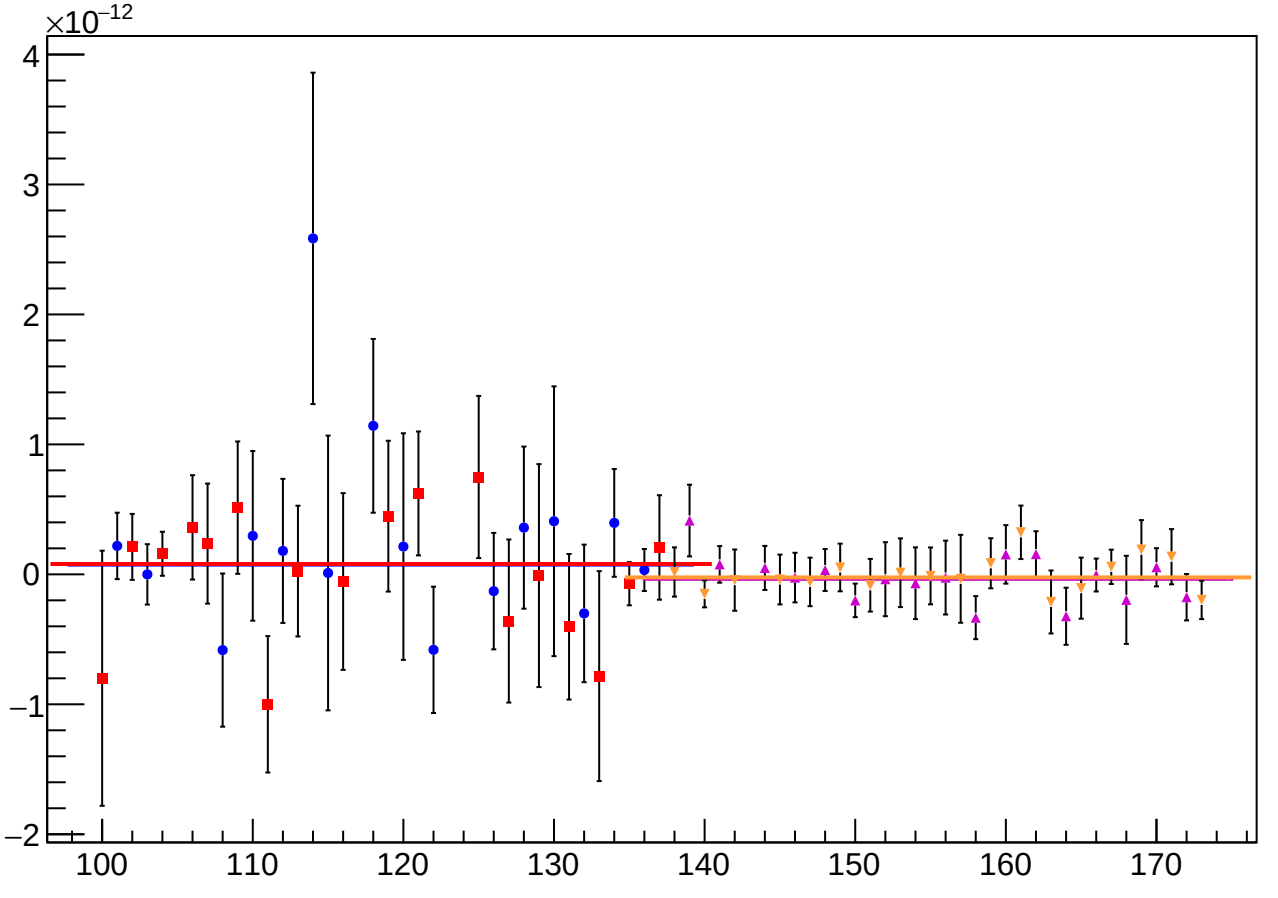
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 460.264+/-0.076 χ^2/NDF:4792882.1/32

Out: 448.143+/-0.076 χ^2/NDF:5929837.7/35

All: 454.146+/-0.054 χ^2/NDF: 10735432.0/68

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: -0.000+/-0.000 χ^2/NDF:13.5/16

Left: -0.000+/-0.000 χ^2/NDF: 22.5/34

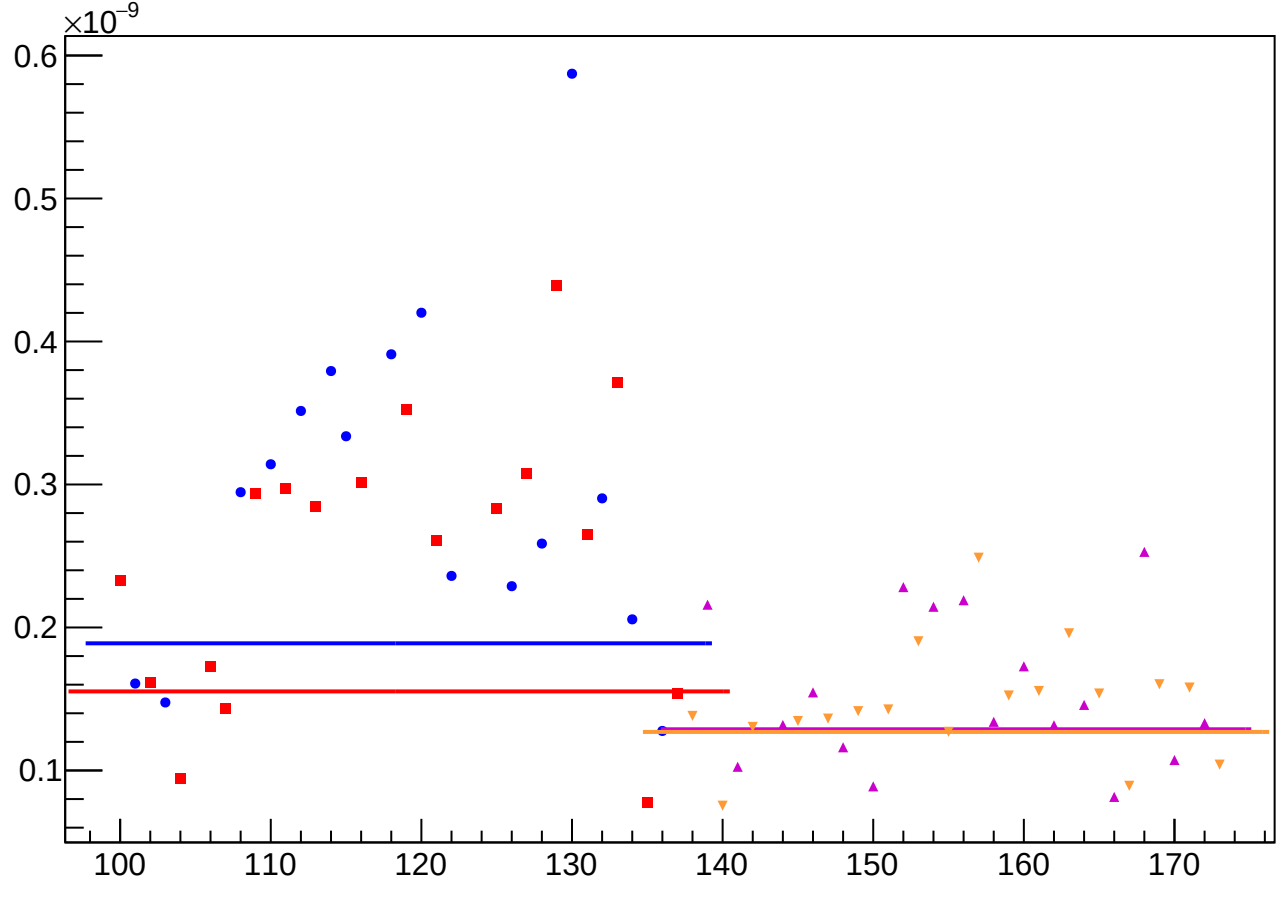
Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: -0.000+/-0.000 χ^2/NDF:26.3/32

Out: -0.000+/-0.000 χ^2/NDF:23.2/35

All: -0.000+/-0.000 χ^2/NDF: 49.6/68

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:1465728.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1830146.7/16

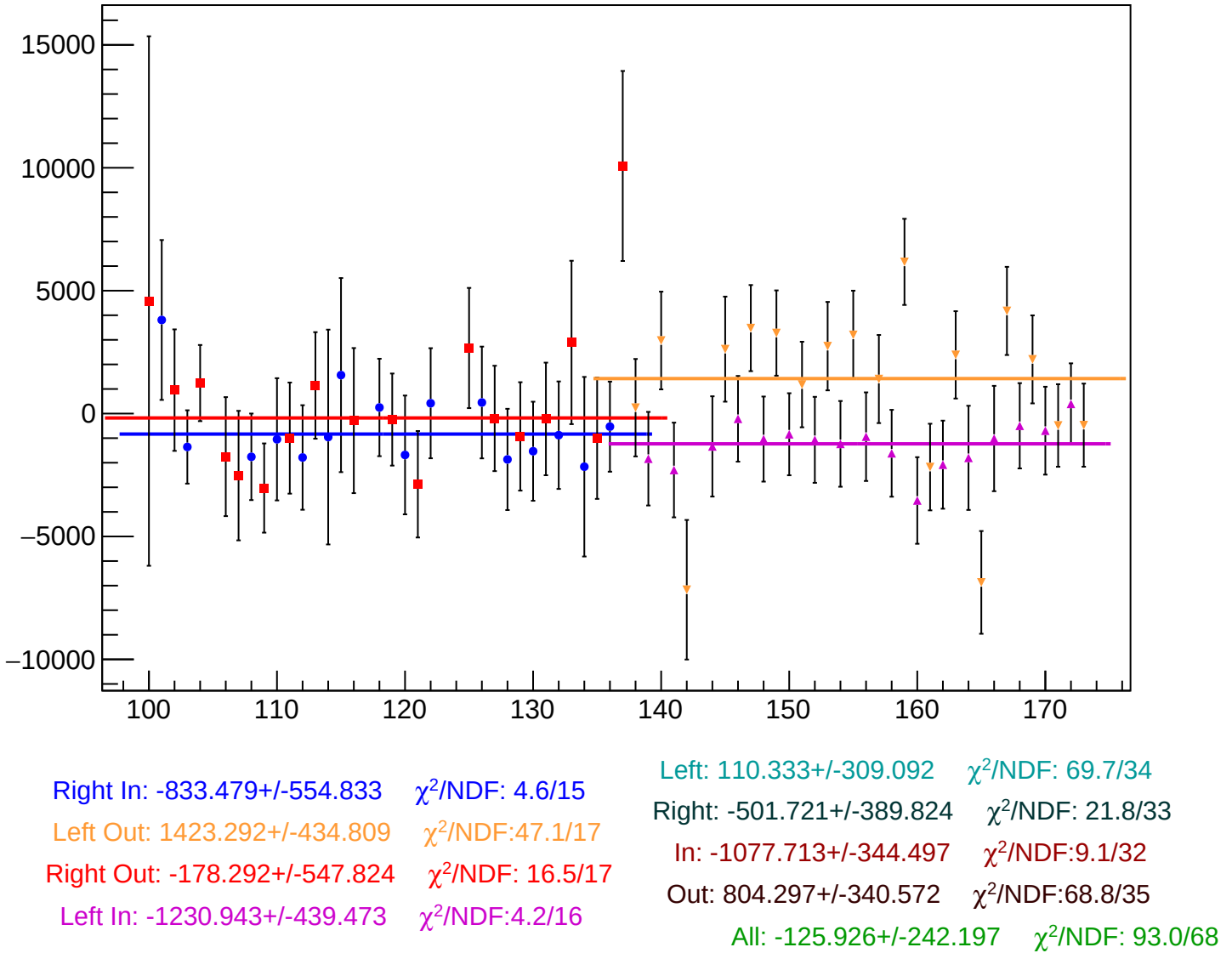
Left: 0.000+/-0.000 χ^2/NDF: 3297644.3/34

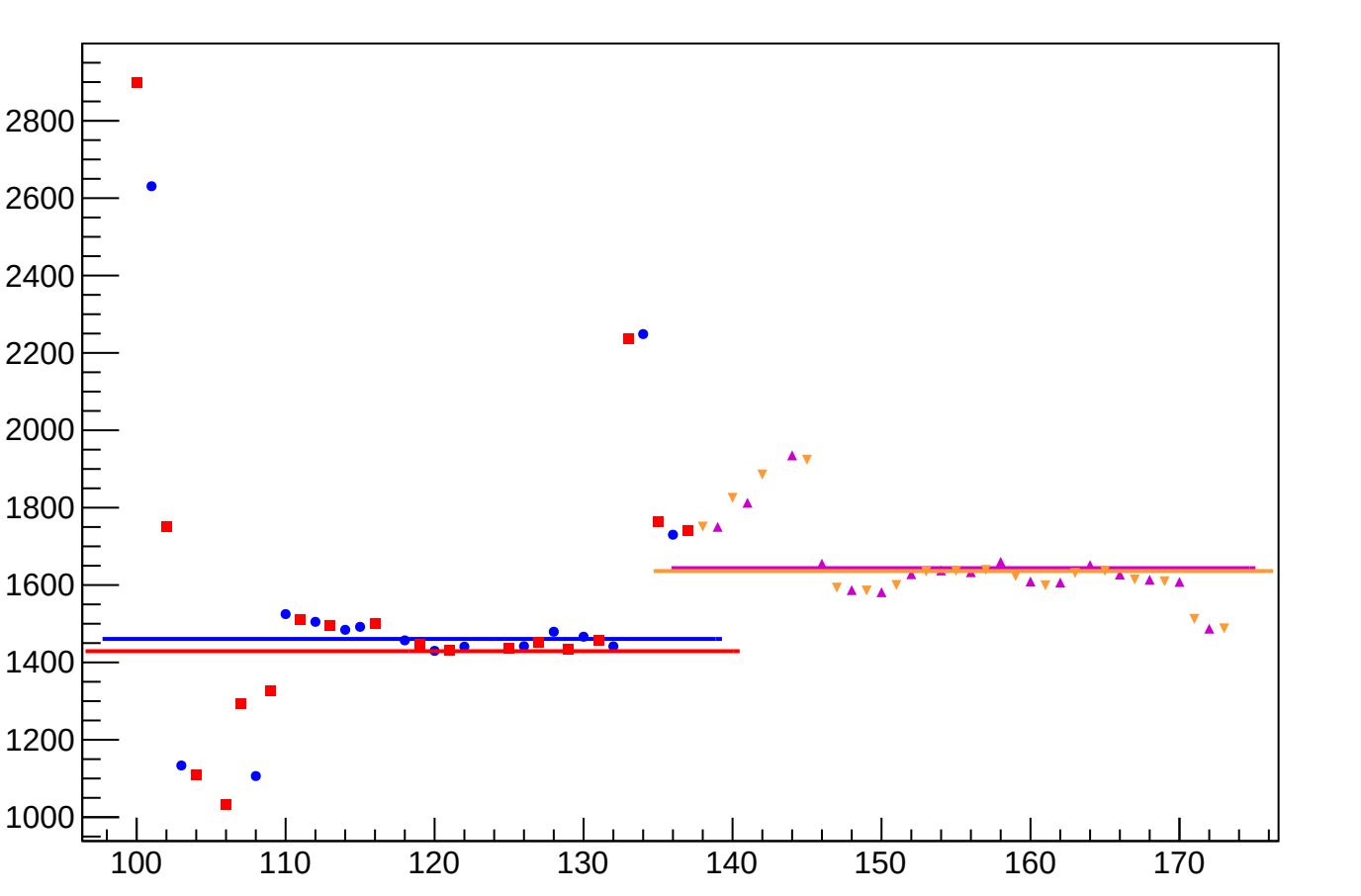
Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:3995475.2/32

Out: 0.000+/-0.000 χ^2/NDF:3840508.7/35

All: 0.000+/-0.000 χ^2/NDF: 7861310.7/68


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
170
Right In: -833.479+/-554.833 χ²/NDF: 4.6/15
Left Out: 1423.292+/-434.809 χ²/NDF:47.1/17
Right Out: -178.292+/-547.824 χ²/NDF: 16.5/17
Left In: -1230.943+/-439.473 χ²/NDF:4.2/16
Left: 110.333+/-309.092 χ²/NDF: 69.7/34
Right: -501.721+/-389.824 χ²/NDF: 21.8/33
In: -1077.713+/-344.497 χ²/NDF:9.1/32
Out: 804.297+/-340.572 χ²/NDF:68.8/35
All: -125.926+/-242.197 χ²/NDF: 93.0/68



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1636.176+/-0.307 χ^2/NDF:108242.4/17

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1643.642+/-0.311 χ^2/NDF:89097.0/16

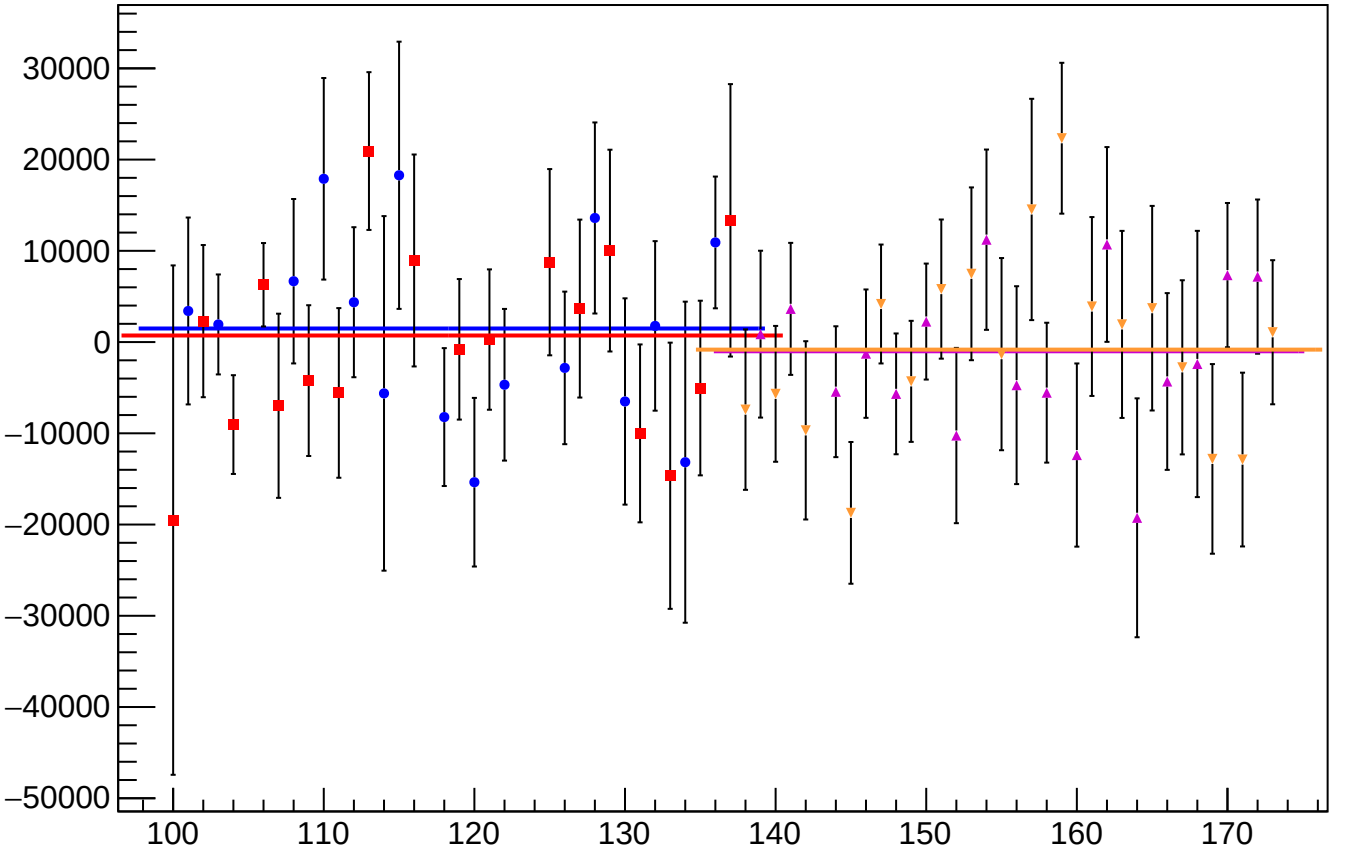
Left: 1639.869+/-0.219 χ^2/NDF: 197631.1/34

Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1573.096+/-0.244 χ^2/NDF:798511.1/32

Out: 1555.352+/-0.240 χ^2/NDF:696707.1/35

All: 1564.097+/-0.171 χ^2/NDF: 1497909.1/68



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -828.418+/-2048.707 χ^2/NDF:22.5/17

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: -1009.181+/-2063.878 χ^2/NDF:11.1/16

Left: -918.133+/-1453.989 χ^2/NDF: 33.6/34

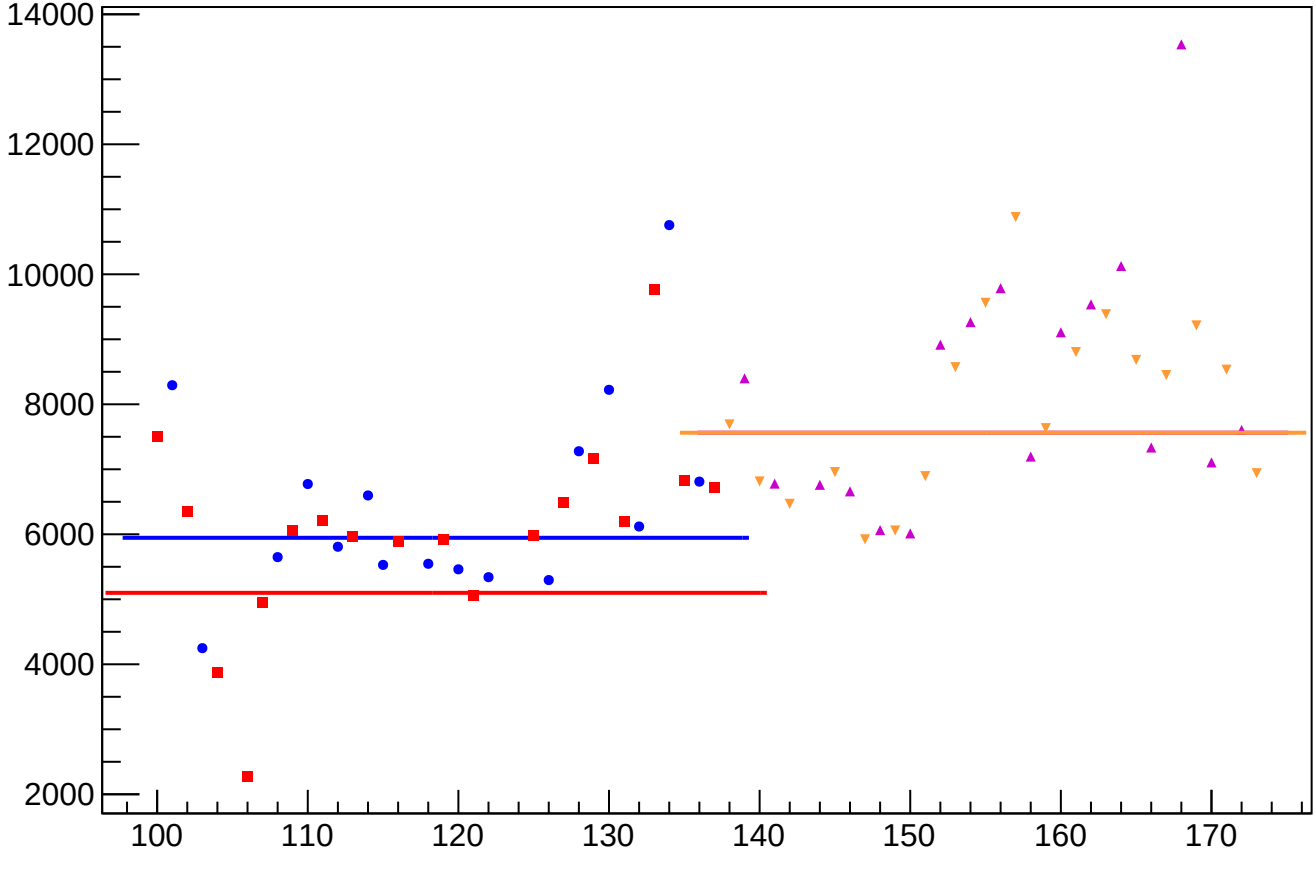
Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 121.731+/-1526.465 χ^2/NDF:26.0/32

Out: -39.958+/-1435.340 χ^2/NDF:40.3/35

All: 35.916+/-1045.670 χ^2/NDF: 66.2/68

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7562.808+/-1.449 χ^2/NDF:763466.9/17

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7562.962+/-1.459 χ^2/NDF:1042644.6/16

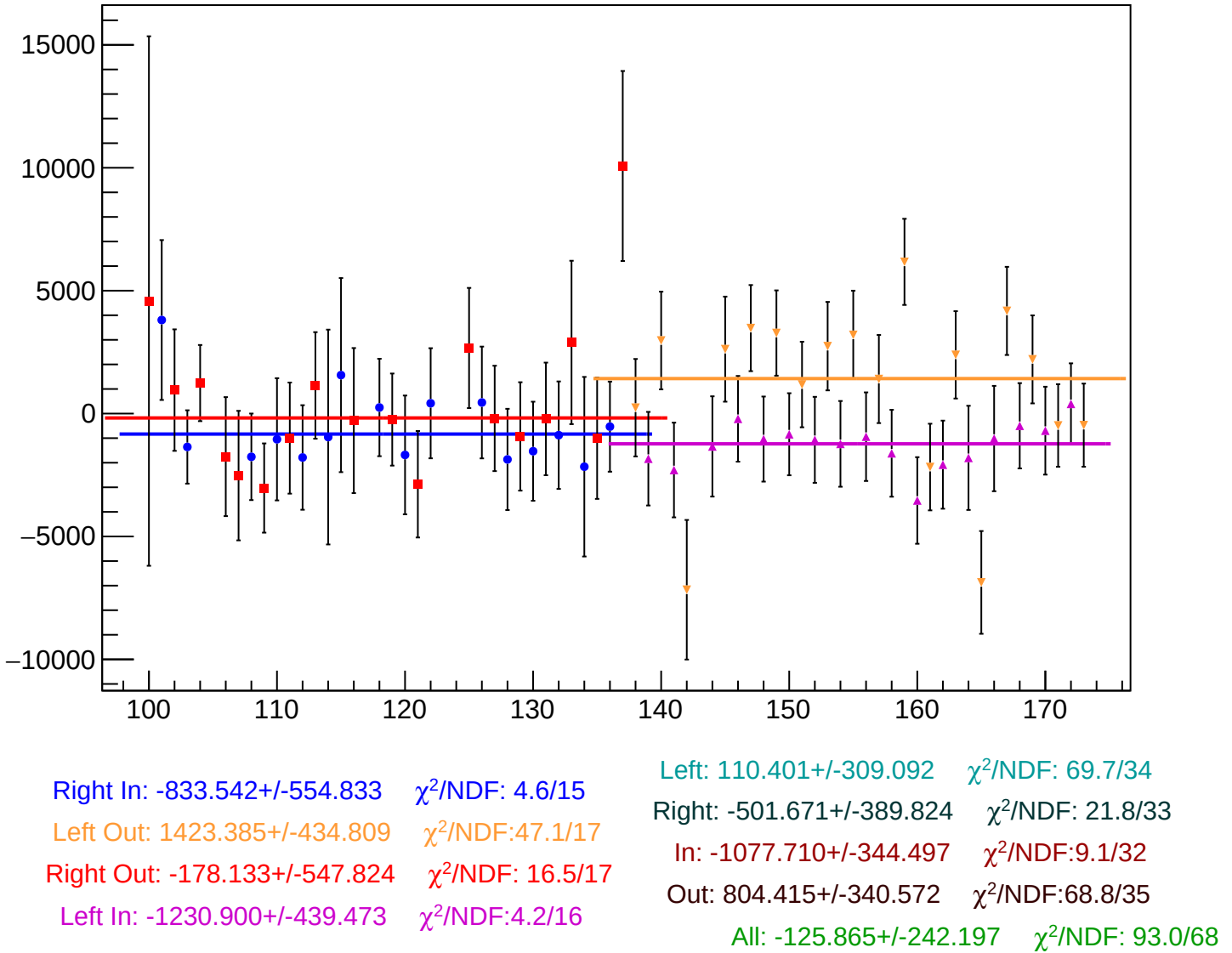
Left: 7562.884+/-1.028 χ^2/NDF: 1806111.5/34

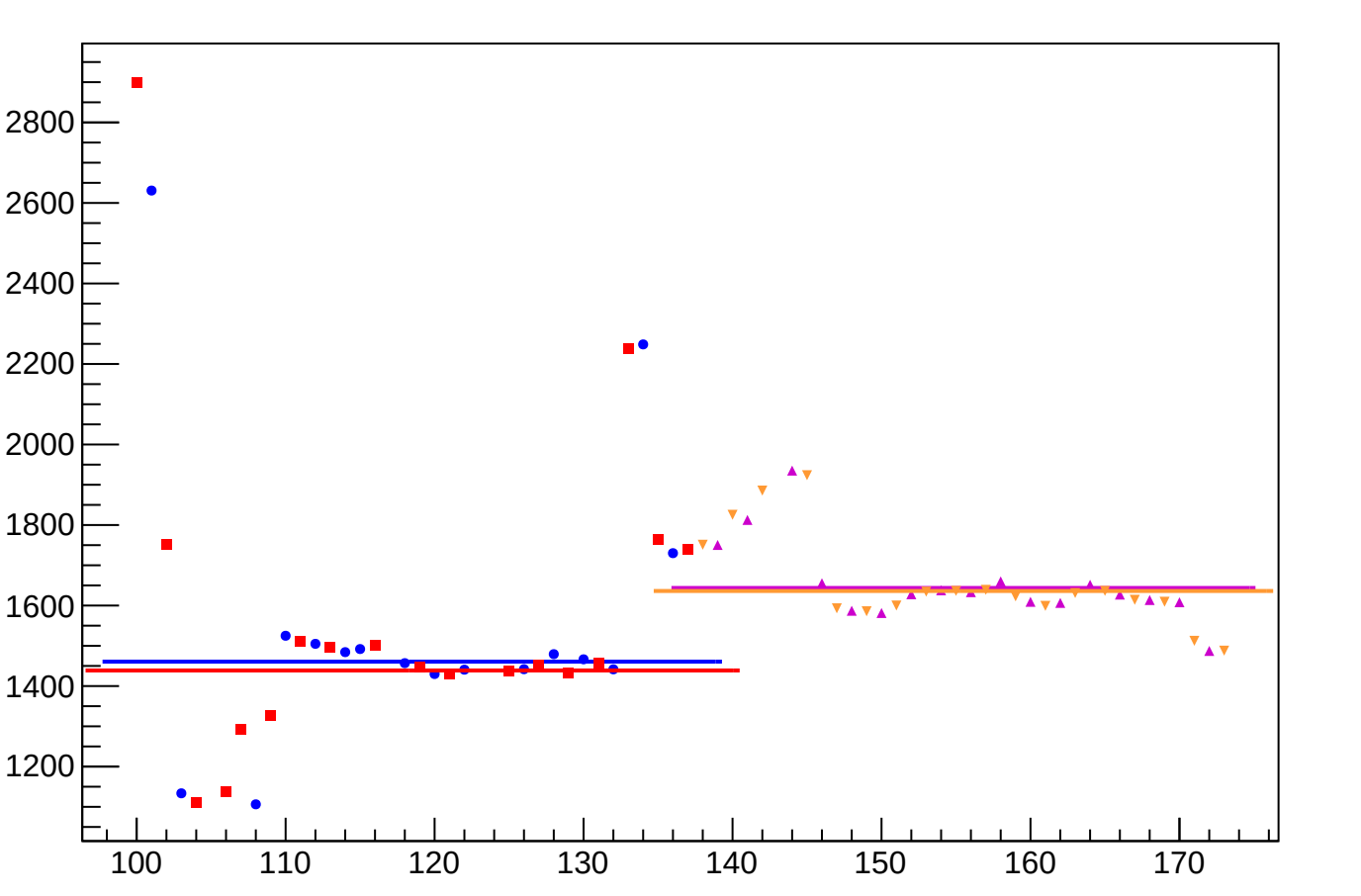
Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6830.551+/-1.079 χ^2/NDF:2239802.0/32

Out: 6308.554+/-1.015 χ^2/NDF:3716134.1/35

All: 6553.508+/-0.739 χ^2/NDF: 6080064.6/68


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
170
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1423.385+/-434.809 χ²/NDF:47.1/17
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1230.900+/-439.473 χ²/NDF:4.2/16
Left: 110.401+/-309.092 χ²/NDF: 69.7/34
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1077.710+/-344.497 χ²/NDF:9.1/32
Out: 804.415+/-340.572 χ²/NDF:68.8/35
All: -125.865+/-242.197 χ²/NDF: 93.0/68



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1636.176+/-0.307 χ^2/NDF:108242.4/17

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1643.642+/-0.311 χ^2/NDF:89097.0/16

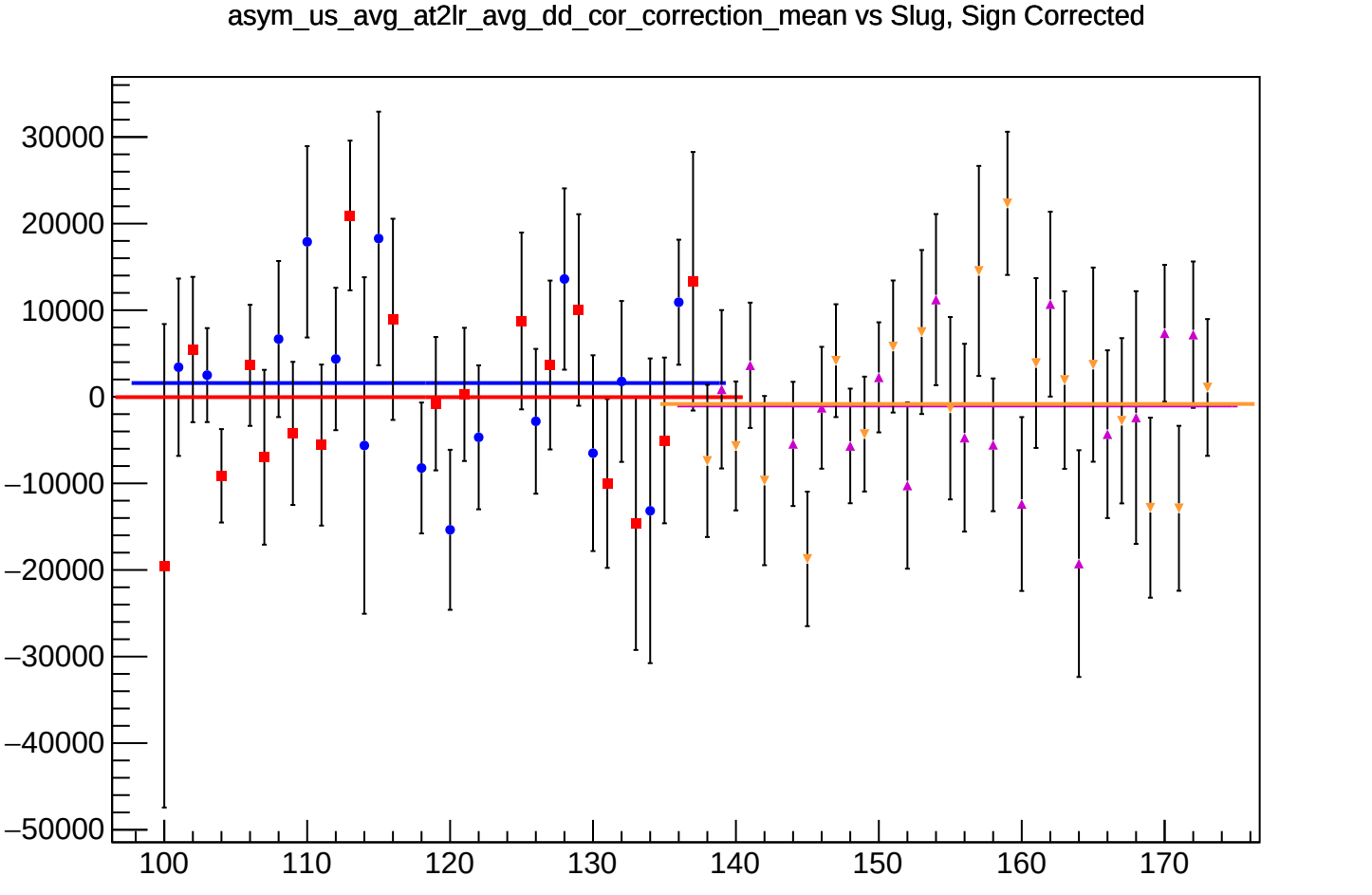
Left: 1639.869+/-0.219 χ^2/NDF: 197631.1/34

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1573.096+/-0.244 χ^2/NDF:798511.6/32

Out: 1559.664+/-0.241 χ^2/NDF:641403.1/35

All: 1566.297+/-0.171 χ^2/NDF: 1441453.7/68



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -828.397+/-2048.707 χ^2/NDF:22.5/17

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -1009.199+/-2063.876 χ^2/NDF:11.1/16

Left: -918.131+/-1453.988 χ^2/NDF: 33.6/34

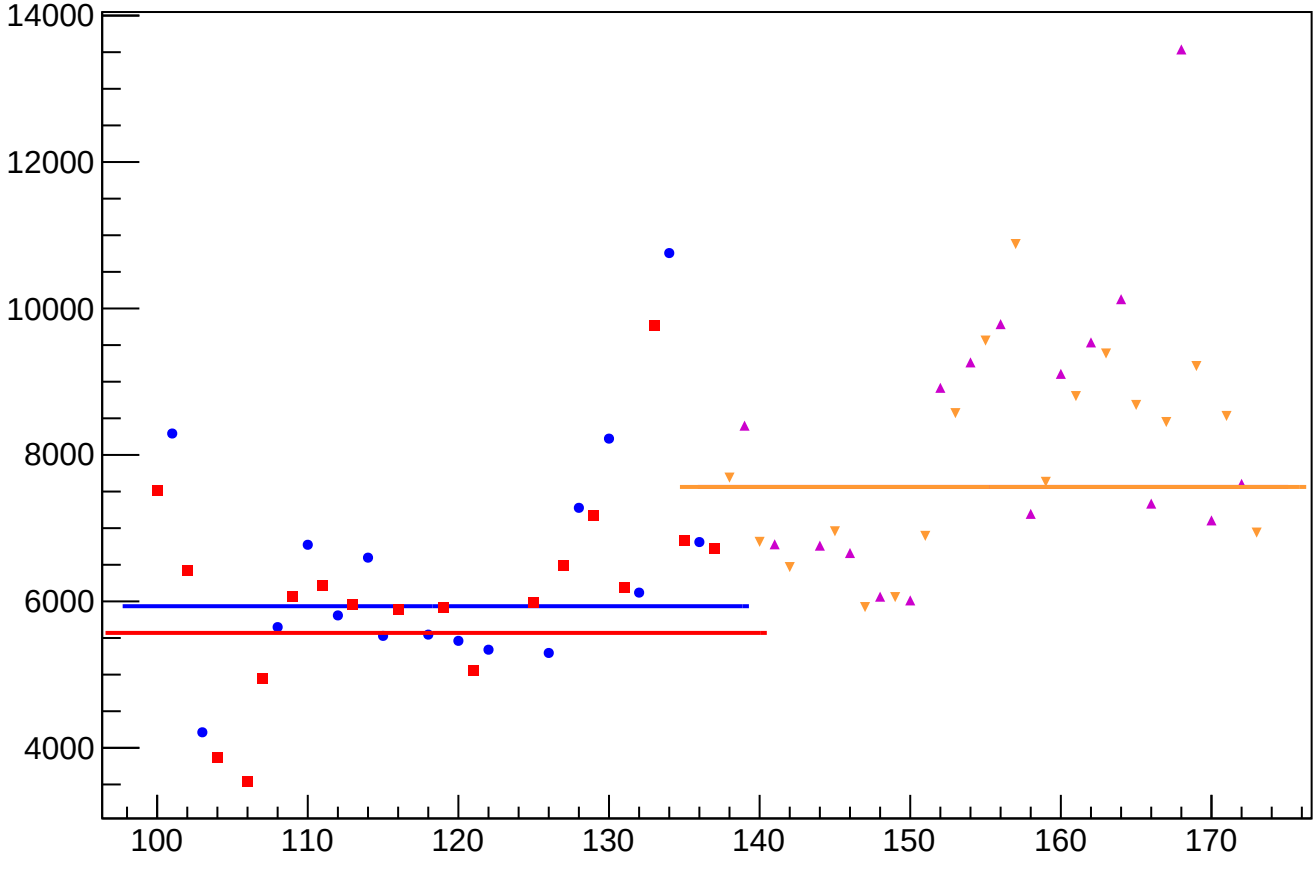
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 169.710+/-1525.313 χ^2/NDF:26.1/32

Out: -450.400+/-1477.569 χ^2/NDF:39.0/35

All: -150.202+/-1061.277 χ^2/NDF: 65.1/68

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: 7562.806+/-1.449 χ^2/NDF:763466.4/17

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7562.954+/-1.459 χ^2/NDF:1042648.2/16

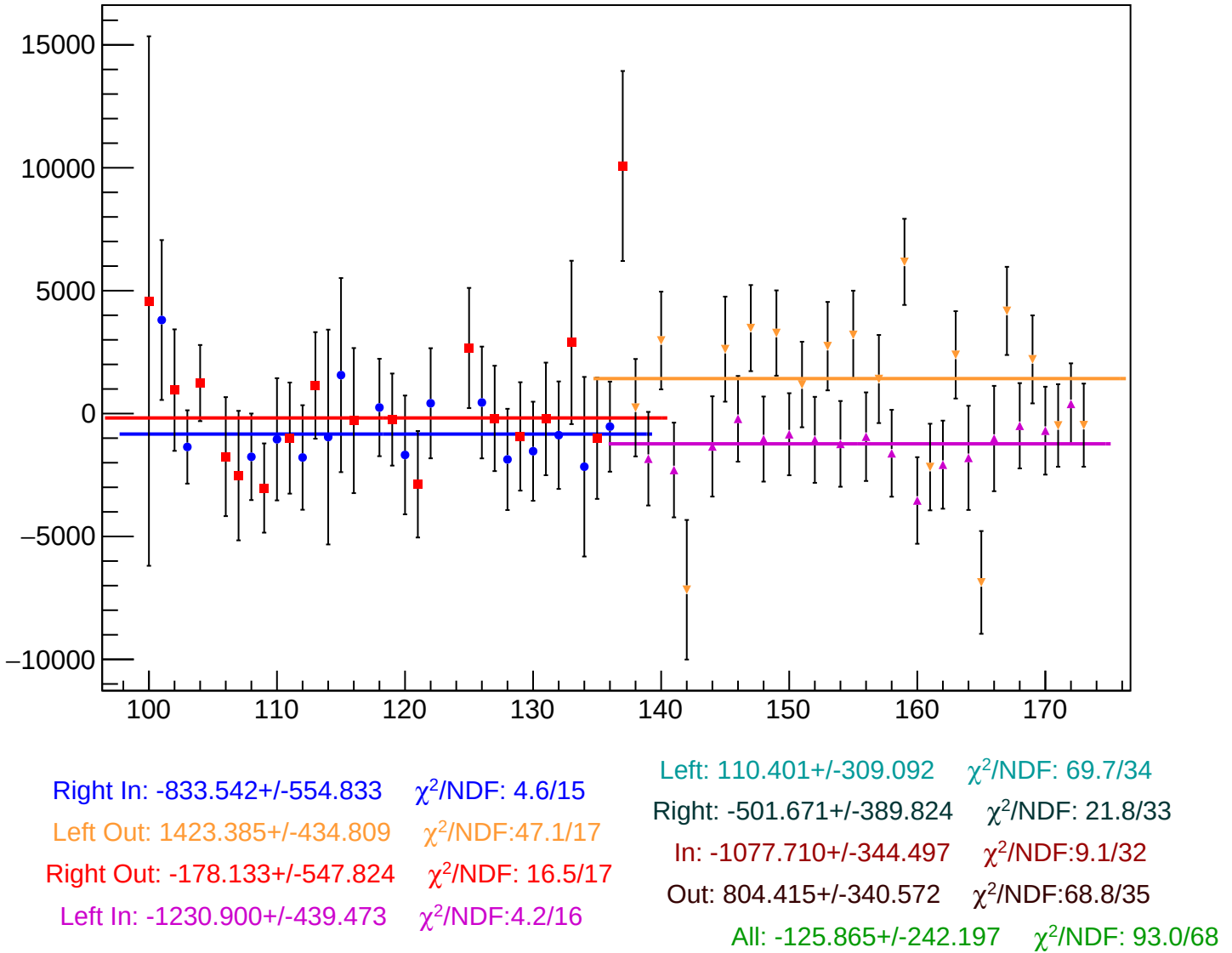
Left: 7562.880+/-1.028 χ^2/NDF: 1806114.6/34

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6823.828+/-1.079 χ^2/NDF:2260973.2/32

Out: 6606.386+/-1.045 χ^2/NDF:2395900.1/35

All: 6711.651+/-0.750 χ^2/NDF: 4677841.5/68


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
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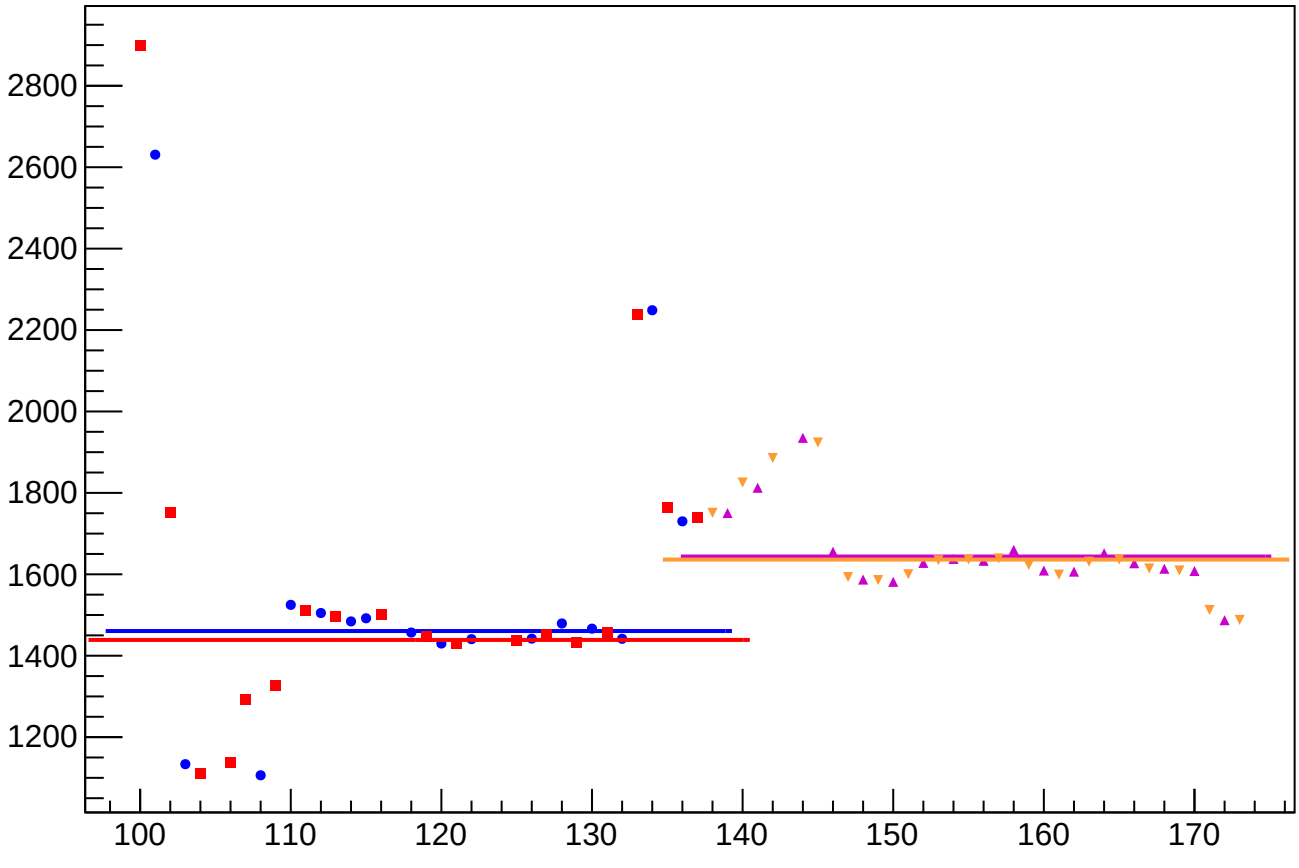
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1423.385+/-434.809 χ²/NDF:47.1/17
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1230.900+/-439.473 χ²/NDF:4.2/16
Left: 110.401+/-309.092 χ²/NDF: 69.7/34
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1077.710+/-344.497 χ²/NDF:9.1/32
Out: 804.415+/-340.572 χ²/NDF:68.8/35
All: -125.865+/-242.197 χ²/NDF: 93.0/68



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1636.176+/-0.307 χ^2/NDF:108242.4/17

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1643.642+/-0.311 χ^2/NDF:89097.0/16

Left: 1639.869+/-0.219 χ^2/NDF: 197631.1/34

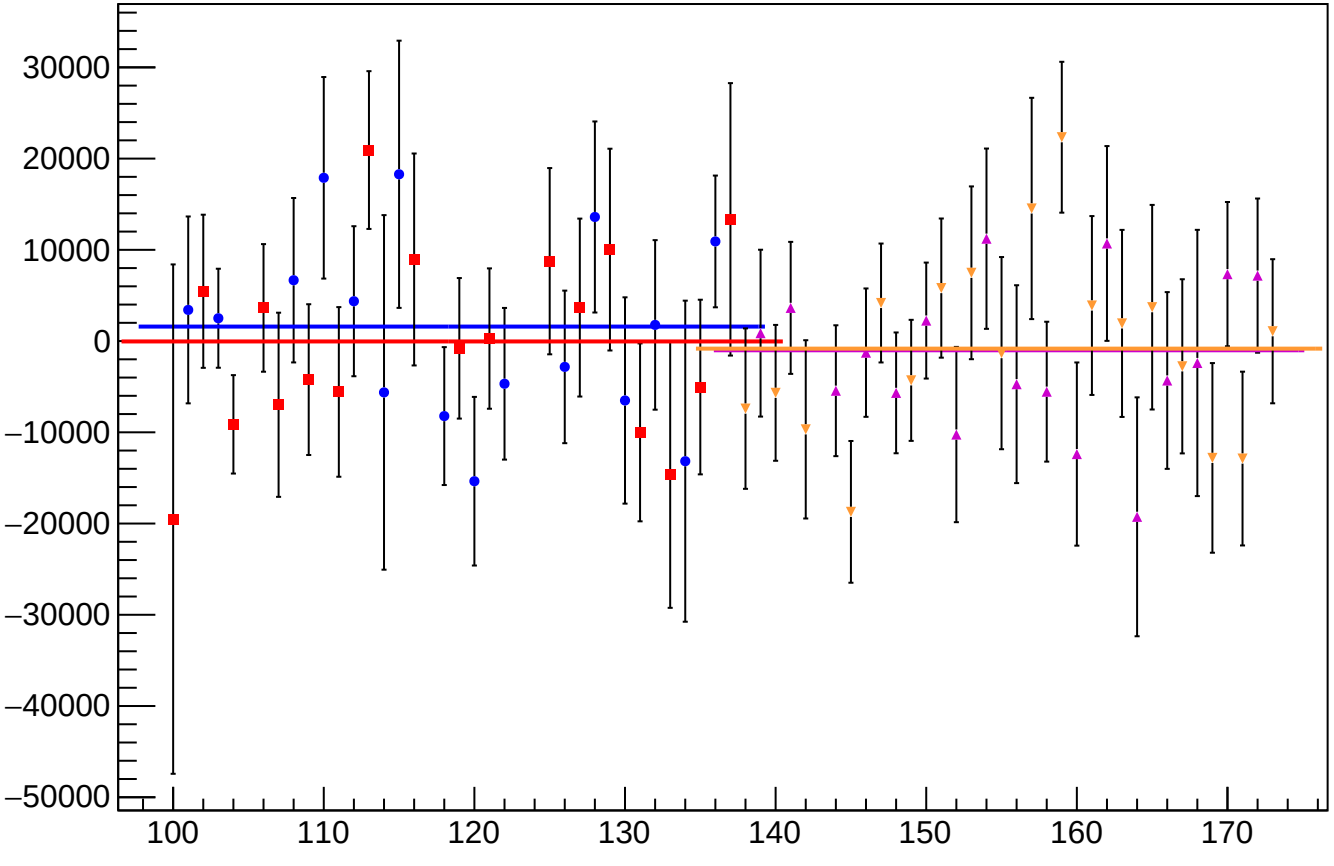
Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1573.096+/-0.244 χ^2/NDF:798511.6/32

Out: 1559.664+/-0.241 χ^2/NDF:641403.1/35

All: 1566.297+/-0.171 χ^2/NDF: 1441453.7/68

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: -828.397+/-2048.707 χ^2/NDF:22.5/17

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -1009.199+/-2063.876 χ^2/NDF:11.1/16

Left: -918.131+/-1453.988 χ^2/NDF: 33.6/34

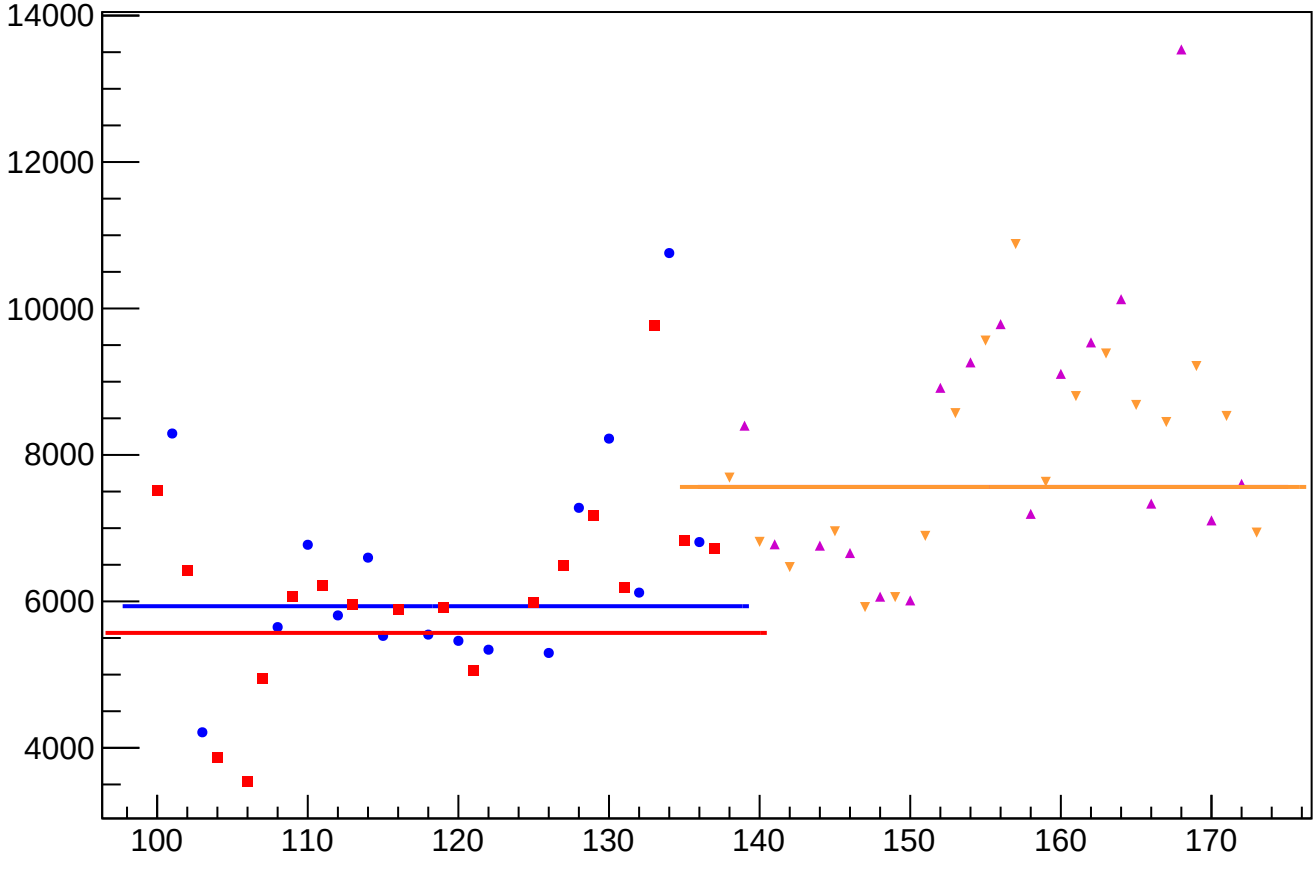
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 169.710+/-1525.313 χ^2/NDF:26.1/32

Out: -450.400+/-1477.569 χ^2/NDF:39.0/35

All: -150.202+/-1061.277 χ^2/NDF: 65.1/68

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: 7562.806+/-1.449 χ^2/NDF:763466.4/17

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7562.954+/-1.459 χ^2/NDF:1042648.2/16

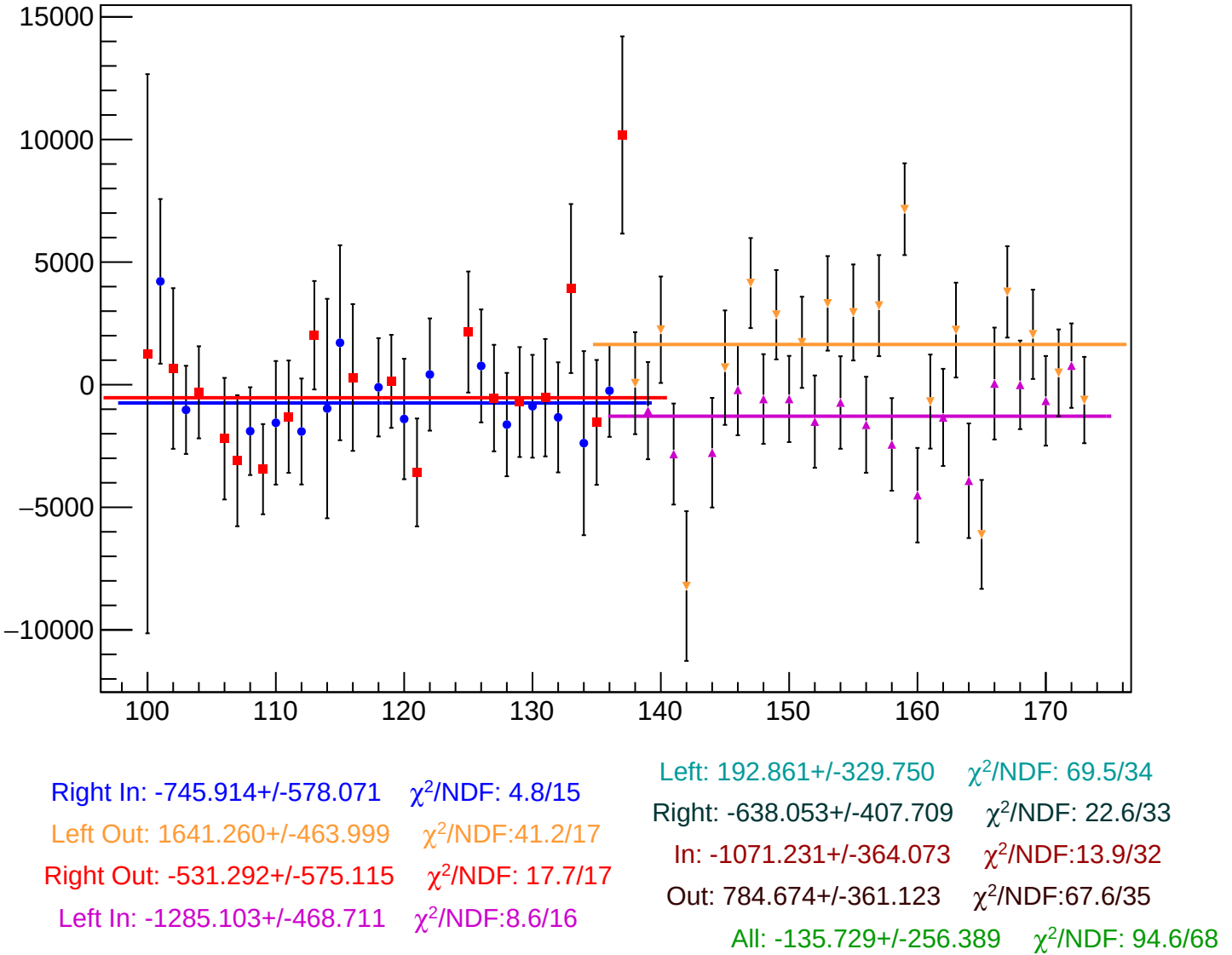
Left: 7562.880+/-1.028 χ^2/NDF: 1806114.6/34

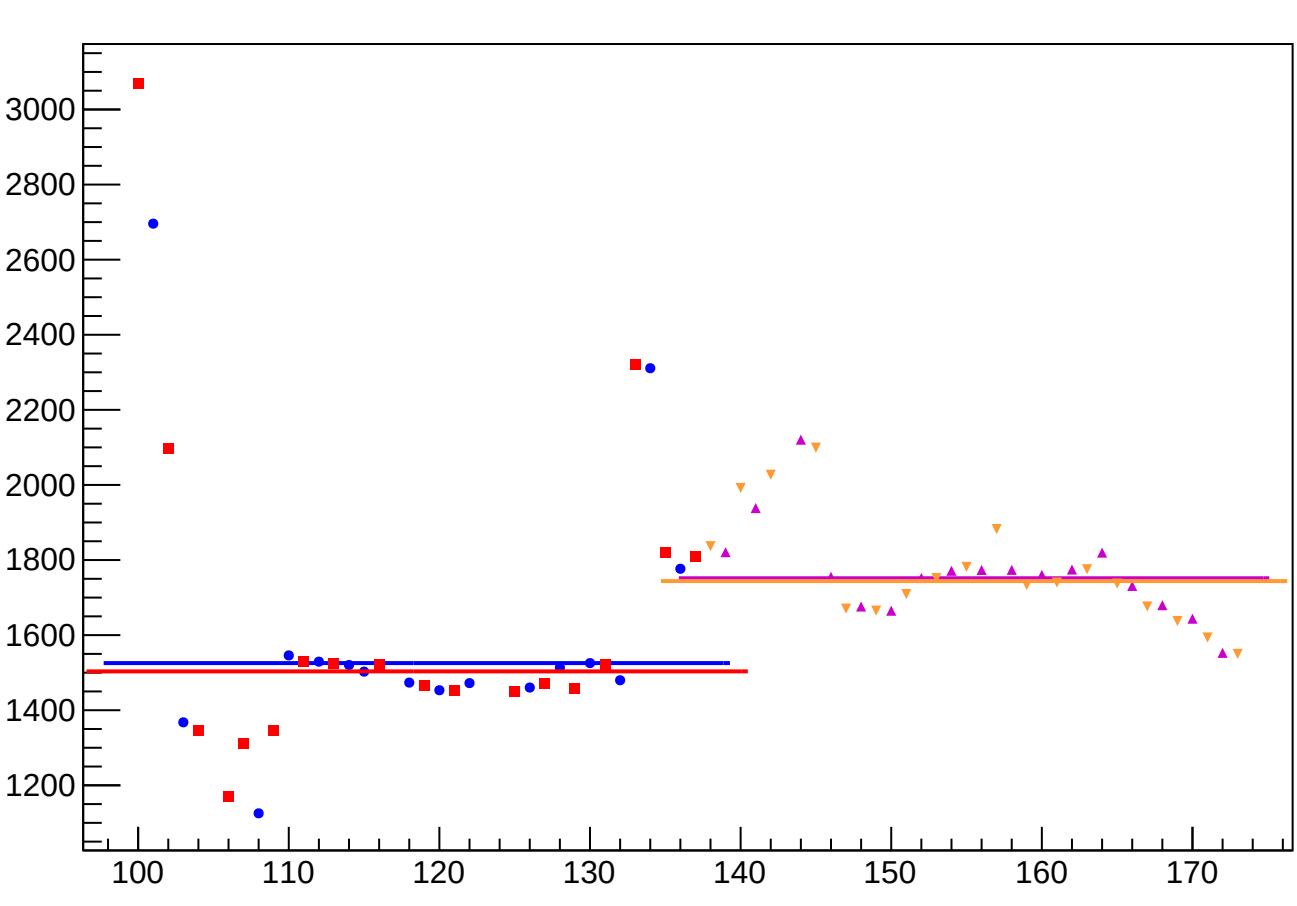
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6823.828+/-1.079 χ^2/NDF:2260973.2/32

Out: 6606.386+/-1.045 χ^2/NDF:2395900.1/35

All: 6711.651+/-0.750 χ^2/NDF: 4677841.5/68


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
170
Right In: -745.914+/-578.071 χ²/NDF: 4.8/15
Left Out: 1641.260+/-463.999 χ²/NDF:41.2/17
Right Out: -531.292+/-575.115 χ²/NDF: 17.7/17
Left In: -1285.103+/-468.711 χ²/NDF:8.6/16
Left: 192.861+/-329.750 χ²/NDF: 69.5/34
Right: -638.053+/-407.709 χ²/NDF: 22.6/33
In: -1071.231+/-364.073 χ²/NDF:13.9/32
Out: 784.674+/-361.123 χ²/NDF:67.6/35
All: -135.729+/-256.389 χ²/NDF: 94.6/68



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1743.907+/-0.328 χ^2/NDF:159812.7/17

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1751.472+/-0.331 χ^2/NDF:121340.0/16

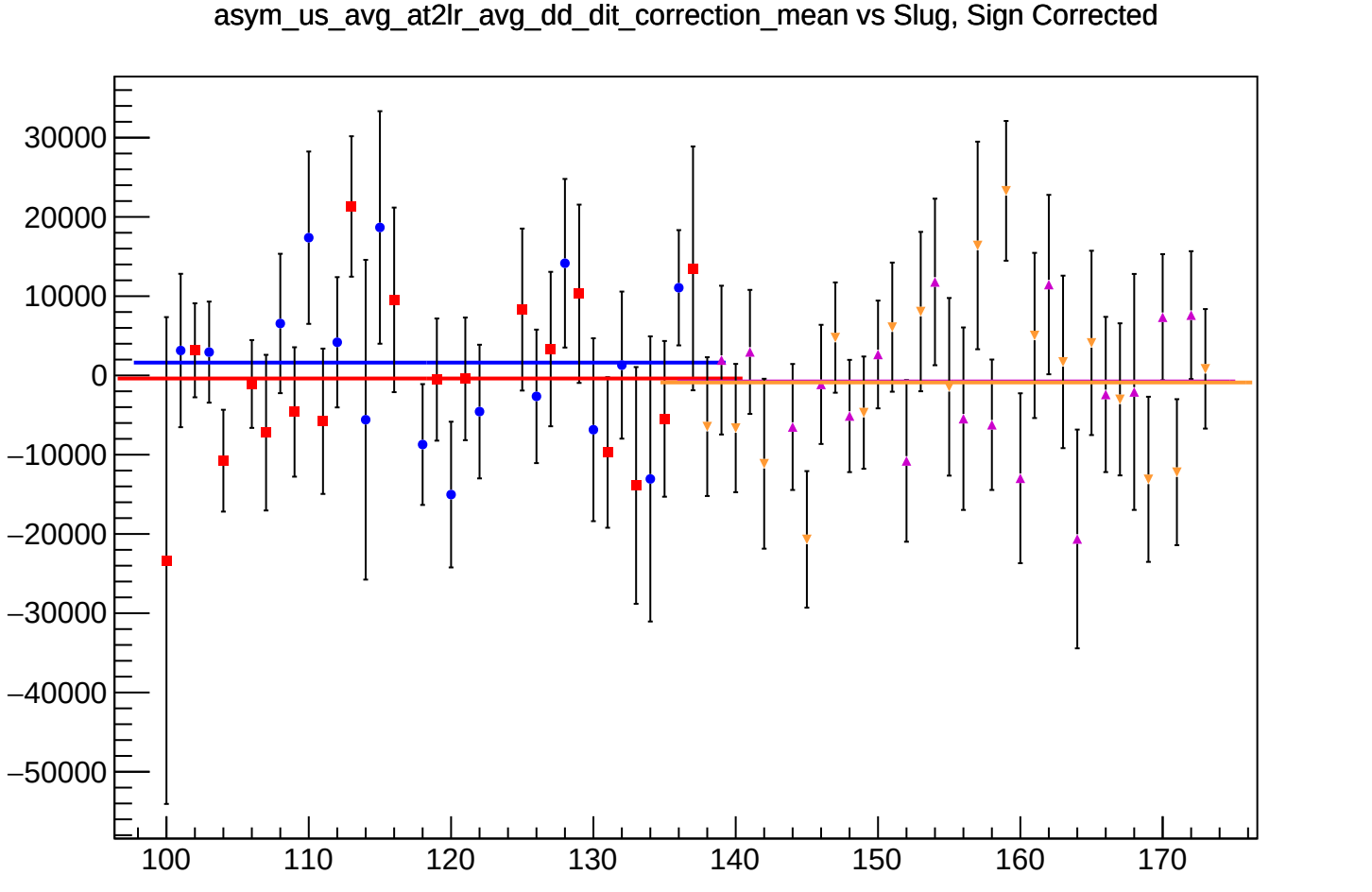
Left: 1747.651+/-0.233 χ^2/NDF: 281415.9/34

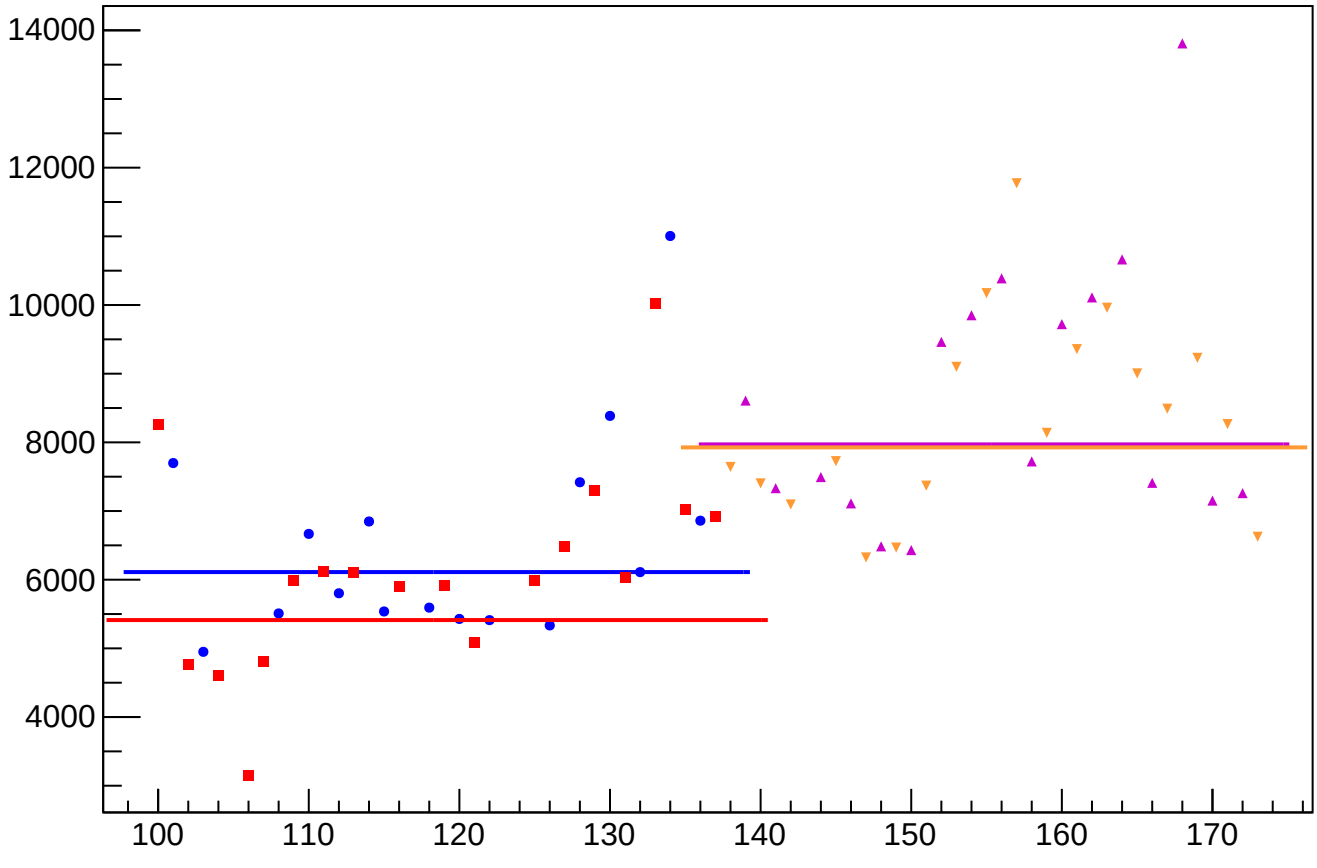
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

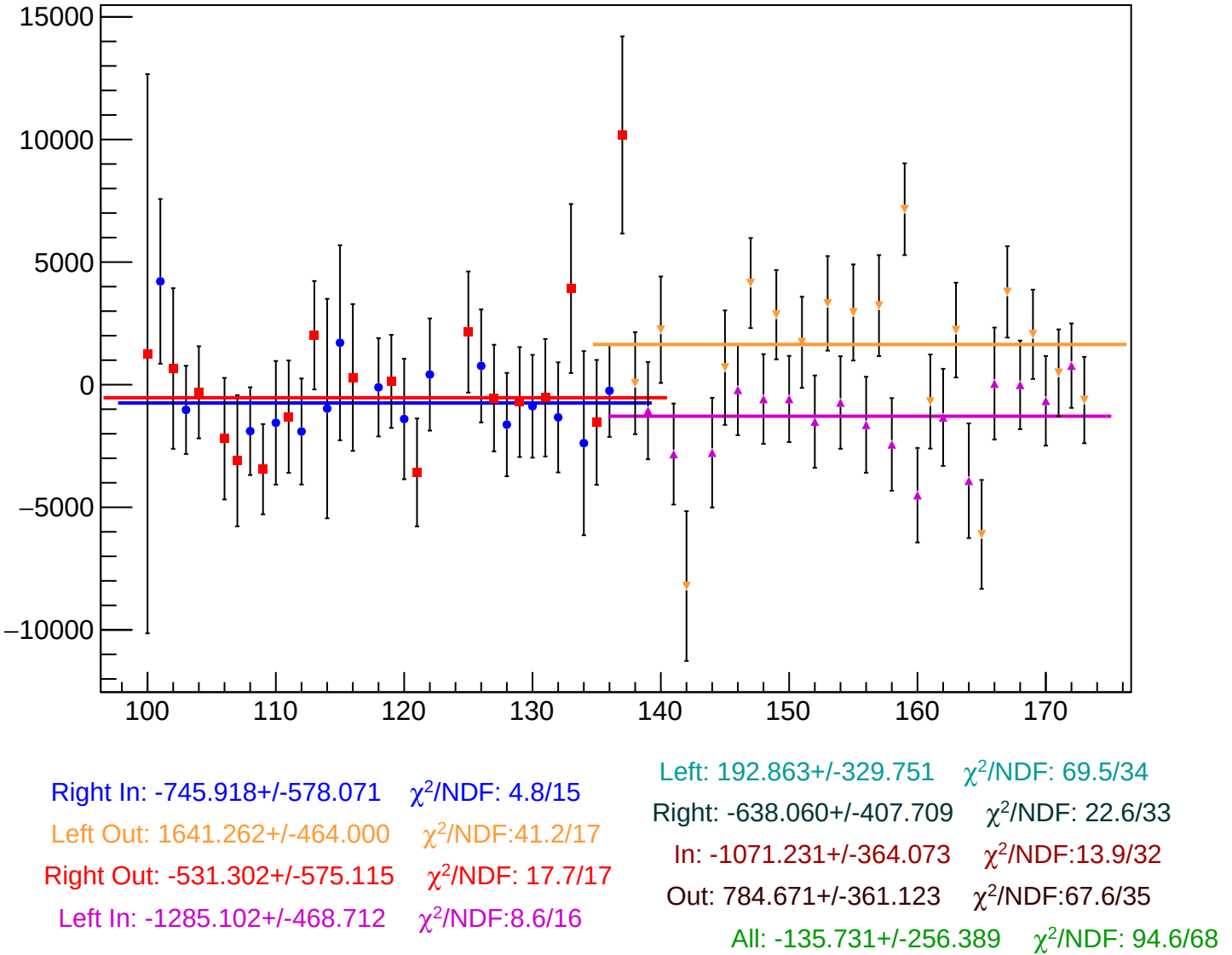
In: 1661.853+/-0.257 χ^2/NDF:794002.6/32

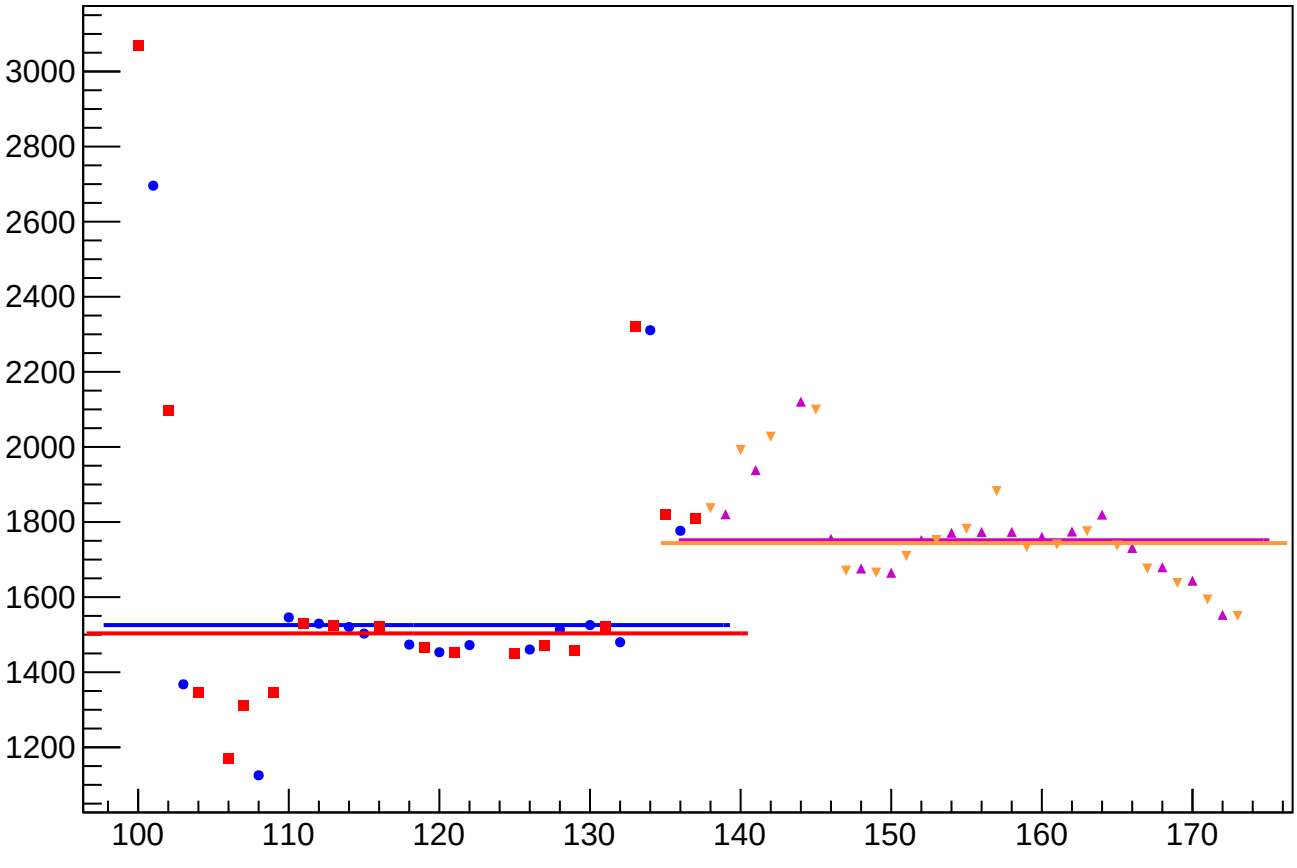
Out: 1649.061+/-0.255 χ^2/NDF:710194.9/35

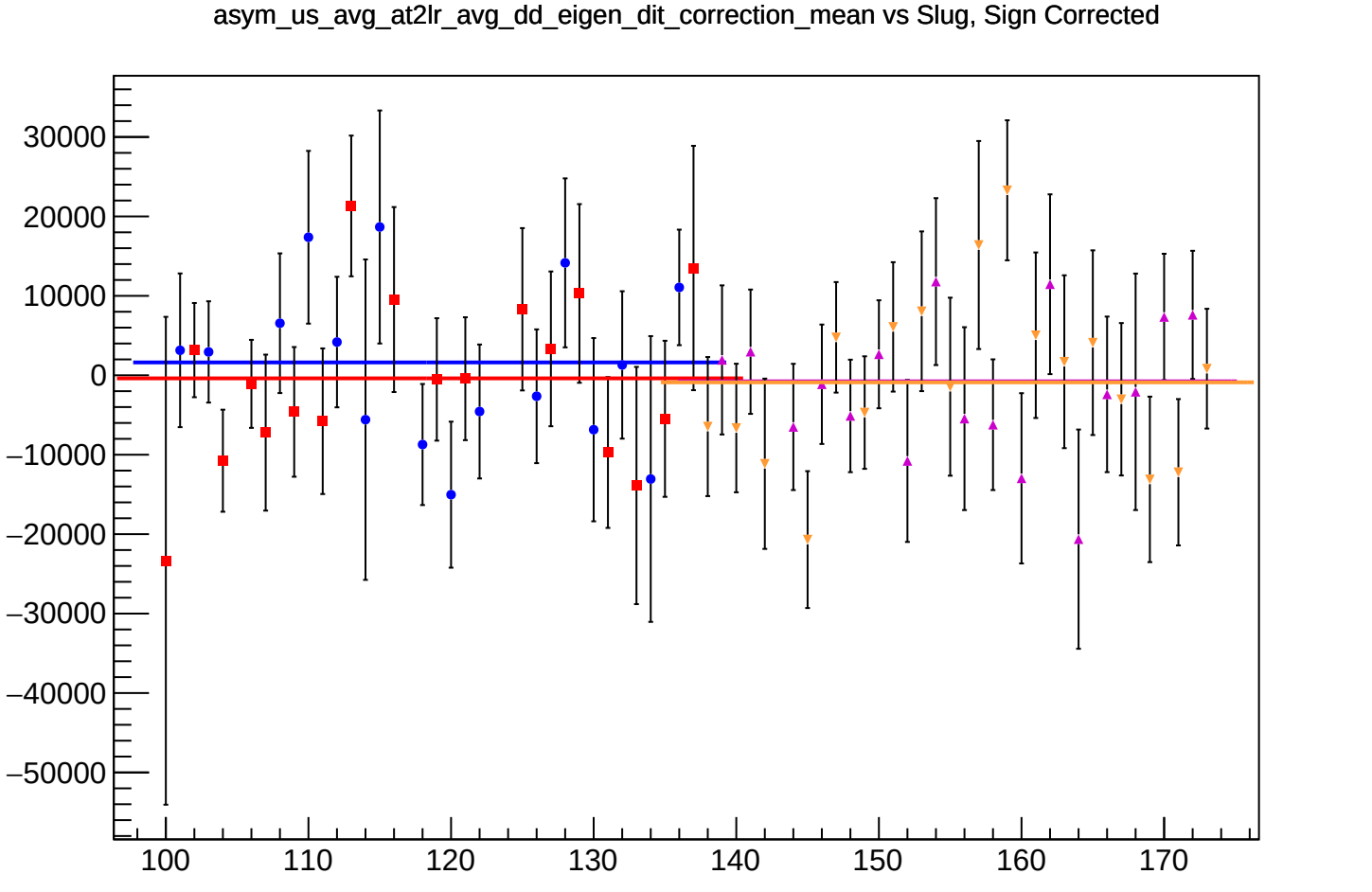
All: 1655.404+/-0.181 χ^2/NDF: 1505442.4/68


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
170
Right In: 1620.058+/-2320.032 χ²/NDF: 14.3/15
Left Out: -884.889+/-2145.536 χ²/NDF:22.4/17
Right Out: -385.942+/-2060.867 χ²/NDF: 16.0/17
Left In: -759.279+/-2173.544 χ²/NDF:11.2/16
Left: -822.899+/-1526.929 χ²/NDF: 33.6/34
Right: 498.801+/-1540.768 χ²/NDF: 30.7/33
In: 352.907+/-1586.188 χ²/NDF:26.0/32
Out: -625.377+/-1486.285 χ²/NDF:38.4/35
All: -168.011+/-1084.561 χ²/NDF: 64.6/68


asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 6111.037+/-1.641 χ²/NDF: 471661.4/15
Left Out: 7926.688+/-1.517 χ²/NDF:730565.6/17
Right Out: 5412.276+/-1.457 χ²/NDF: 821530.3/17
Left In: 7970.194+/-1.537 χ²/NDF:995263.9/16
Left: 7948.159+/-1.080 χ²/NDF: 1726235.4/34
Right: 5720.463+/-1.089 χ²/NDF: 1394599.9/33
In: 7101.159+/-1.122 χ²/NDF:2150911.0/32
Out: 6618.891+/-1.051 χ²/NDF:2980776.2/35
All: 6844.360+/-0.767 χ²/NDF: 5230133.8/68


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
170
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: 1641.262+/-464.000 χ²/NDF:41.2/17
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1285.102+/-468.712 χ²/NDF:8.6/16
Left: 192.863+/-329.751 χ²/NDF: 69.5/34
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -1071.231+/-364.073 χ²/NDF:13.9/32
Out: 784.671+/-361.123 χ²/NDF:67.6/35
All: -135.731+/-256.389 χ²/NDF: 94.6/68


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
170
Right In: 1525.536+/-0.409 χ²/NDF: 488327.8/15
Left Out: 1743.908+/-0.328 χ²/NDF:159817.7/17
Right Out: 1503.435+/-0.407 χ²/NDF: 338507.7/17
Left In: 1751.475+/-0.331 χ²/NDF:121342.8/16
Left: 1747.653+/-0.233 χ²/NDF: 281423.8/34
Right: 1514.425+/-0.288 χ²/NDF: 828305.2/33
In: 1661.855+/-0.257 χ²/NDF:794008.5/32
Out: 1649.062+/-0.255 χ²/NDF:710202.4/35
All: 1655.405+/-0.181 χ²/NDF: 1505455.8/68



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -884.890+/-2145.539 χ^2/NDF:22.4/17

Right Out: -385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: -759.276+/-2173.547 χ^2/NDF:11.2/16

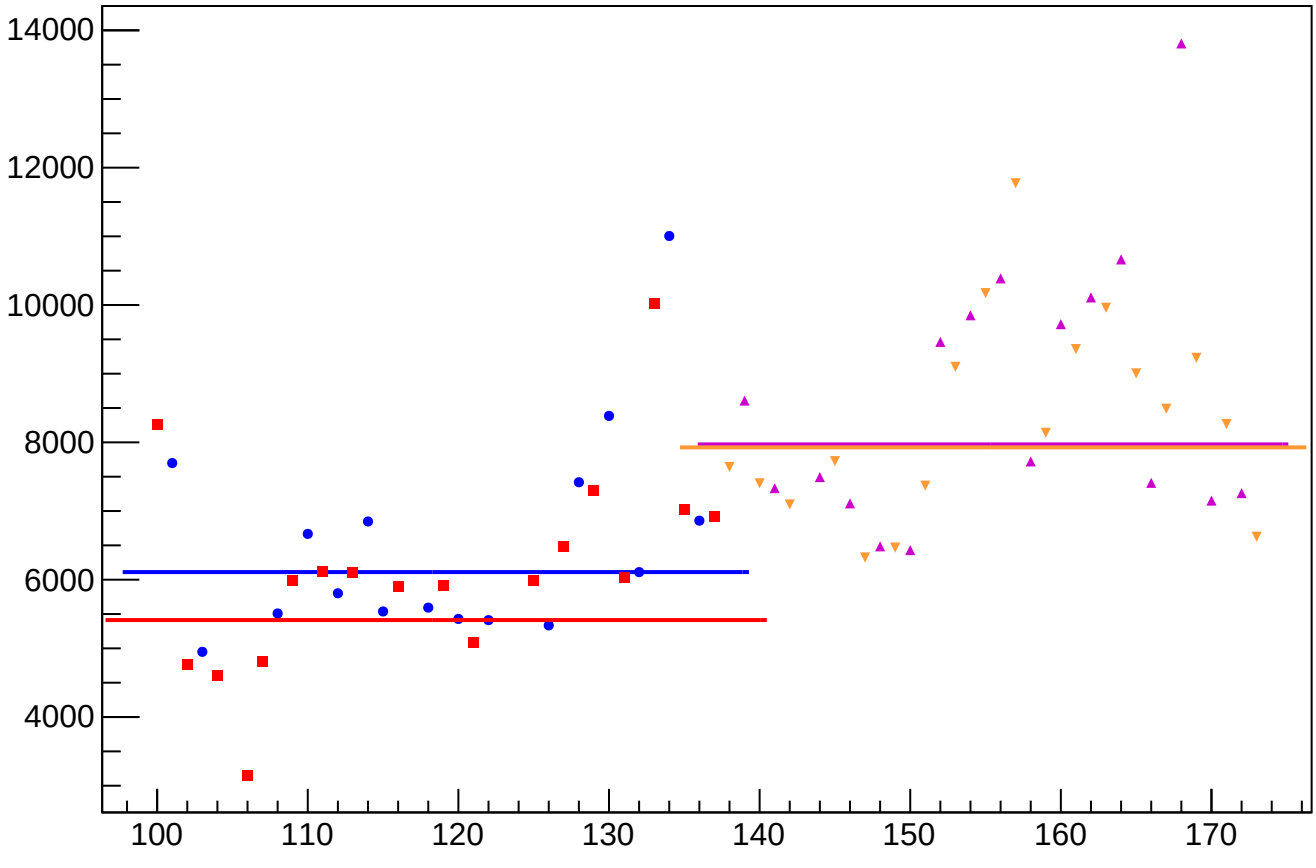
Left: -822.898+/-1526.931 χ^2/NDF: 33.6/34

Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 352.903+/-1586.188 χ^2/NDF:26.0/32

Out: -625.379+/-1486.284 χ^2/NDF:38.4/35

All: -168.014+/-1084.561 χ^2/NDF: 64.6/68



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7926.700+/-1.517 χ^2/NDF:730566.2/17

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7970.205+/-1.537 χ^2/NDF:995266.1/16

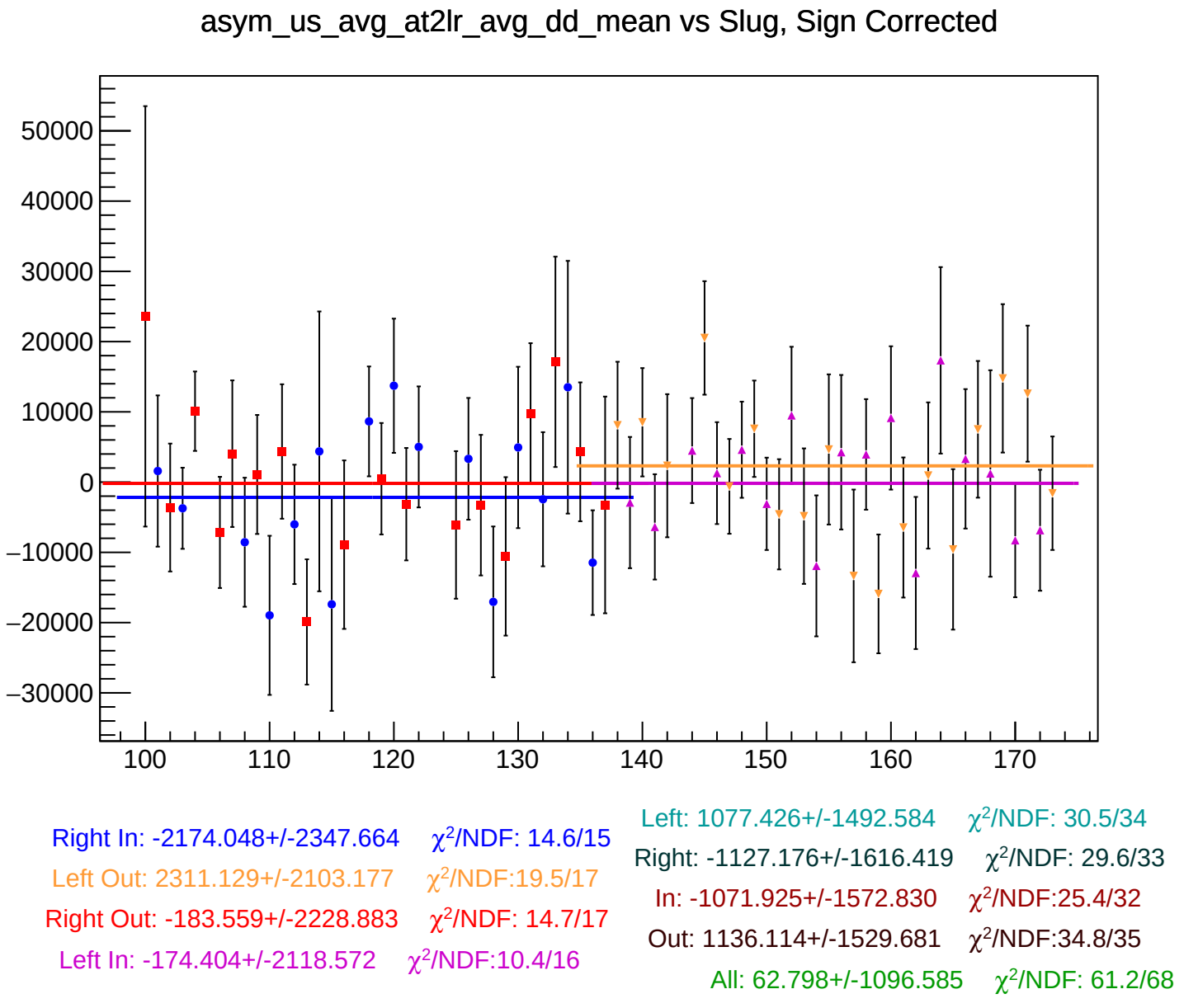
Left: 7948.170+/-1.080 χ^2/NDF: 1726238.1/34

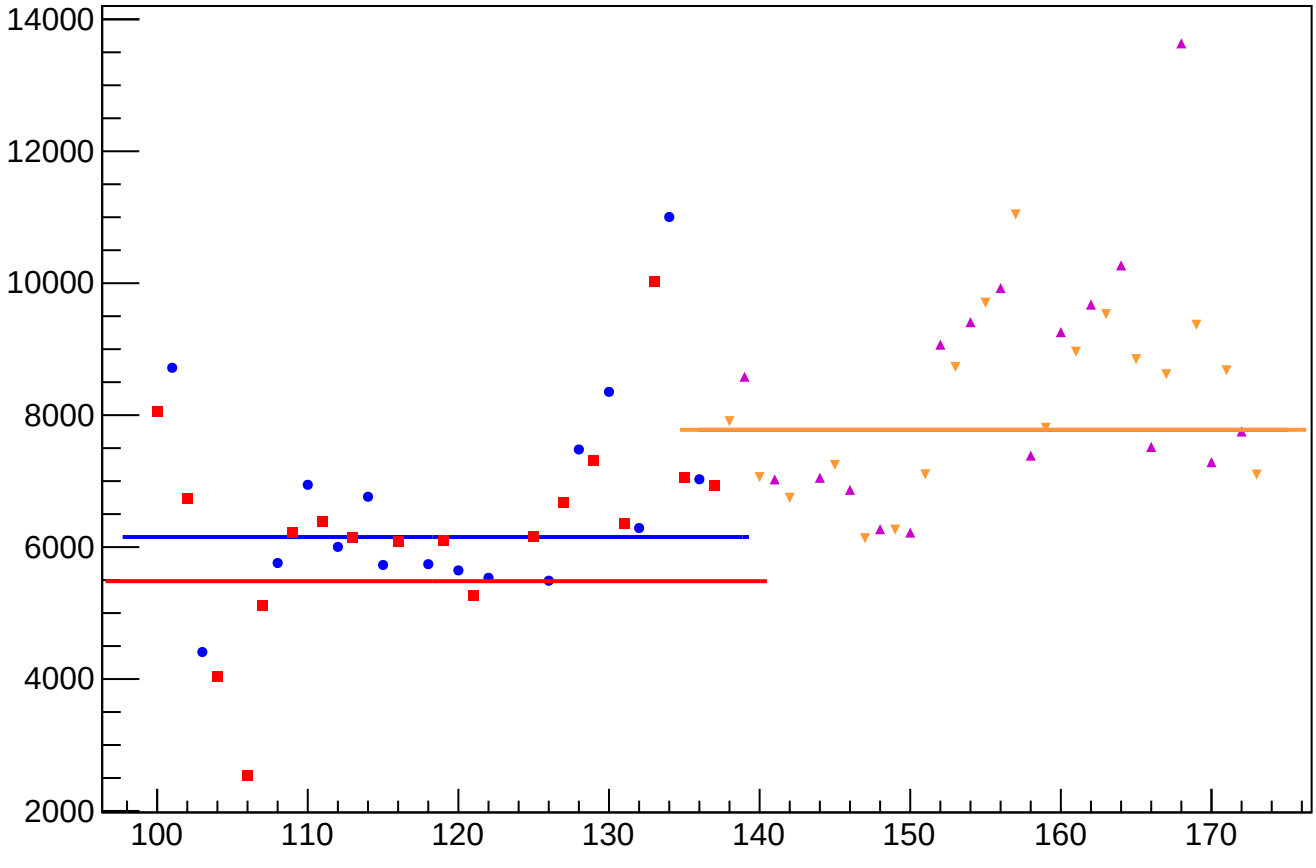
Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 7101.155+/-1.122 χ^2/NDF:2150933.6/32

Out: 6618.886+/-1.051 χ^2/NDF:2980804.0/35

All: 6844.356+/-0.767 χ^2/NDF: 5230184.6/68


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
170
Right In: -2174.048+/-2347.664 χ²/NDF: 14.6/15
Left Out: 2311.129+/-2103.177 χ²/NDF:19.5/17
Right Out: -183.559+/-2228.883 χ²/NDF: 14.7/17
Left In: -174.404+/-2118.572 χ²/NDF:10.4/16
Left: 1077.426+/-1492.584 χ²/NDF: 30.5/34
Right: -1127.176+/-1616.419 χ²/NDF: 29.6/33
In: -1071.925+/-1572.830 χ²/NDF:25.4/32
Out: 1136.114+/-1529.681 χ²/NDF:34.8/35
All: 62.798+/-1096.585 χ²/NDF: 61.2/68



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7777.893+/-1.487 χ^2/NDF:697673.5/17

Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7776.746+/-1.498 χ^2/NDF:964306.3/16

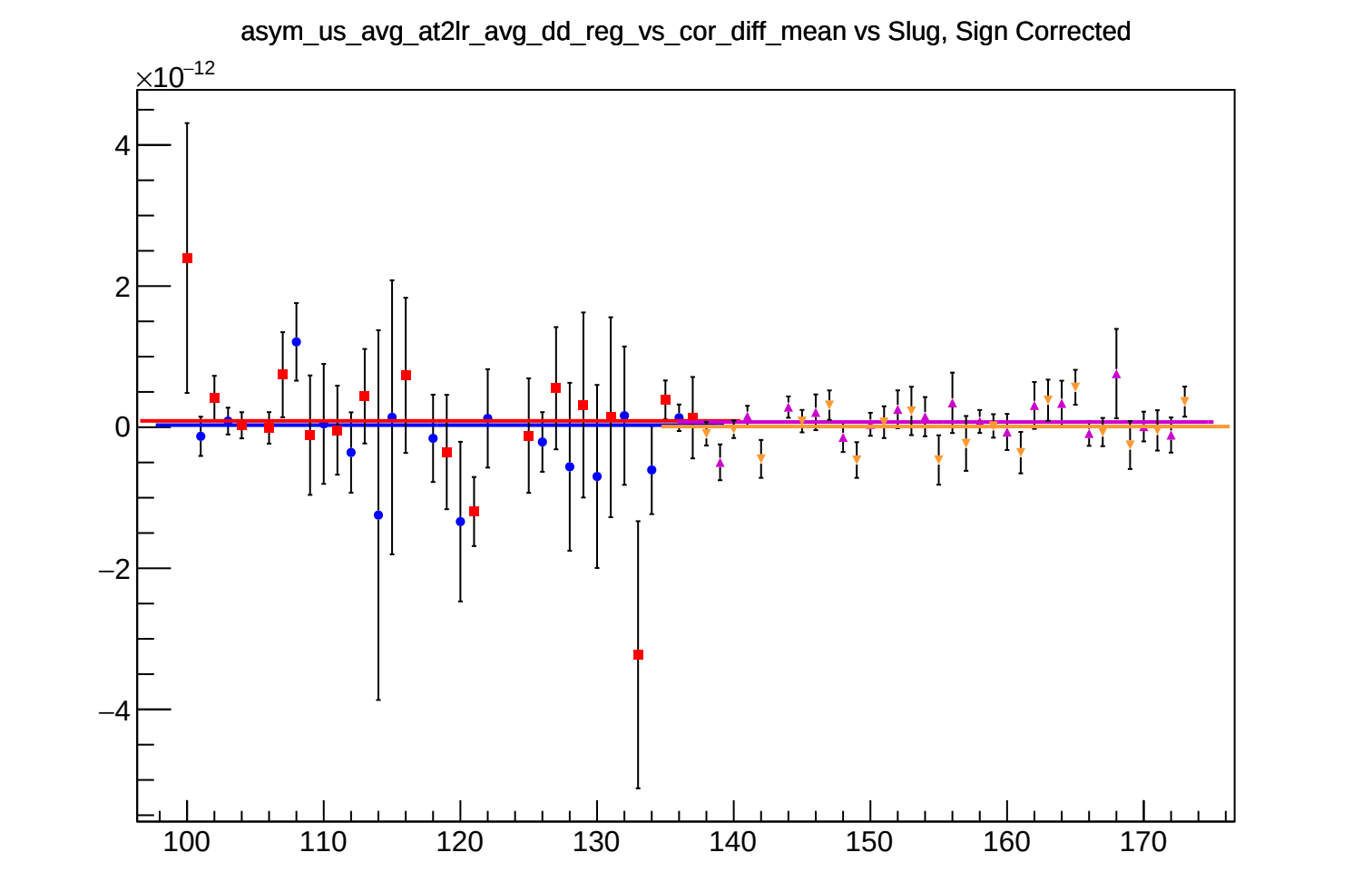
Left: 7777.324+/-1.055 χ^2/NDF: 1661980.2/34

Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 7047.799+/-1.112 χ^2/NDF:2115855.2/32

Out: 6655.254+/-1.063 χ^2/NDF:3011095.3/35

All: 6842.627+/-0.768 χ^2/NDF: 5192064.8/68



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:13.8/16

Left: 0.000+/-0.000 χ^2/NDF: 38.3/34

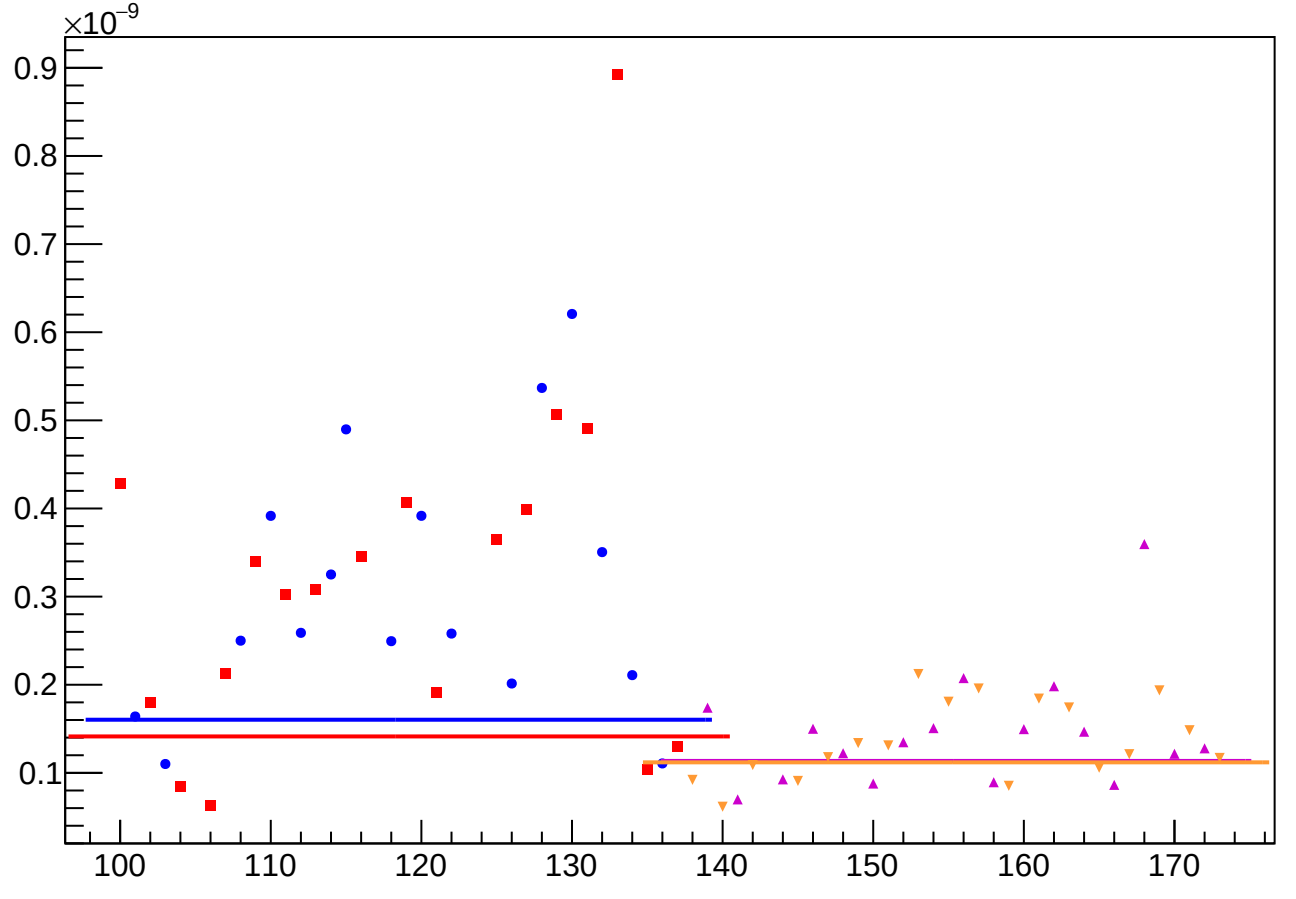
Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

In: 0.000+/-0.000 χ^2/NDF:23.5/32

Out: 0.000+/-0.000 χ^2/NDF:40.7/35

All: 0.000+/-0.000 χ^2/NDF: 64.6/68

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1181023.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1159410.4/16

Left: 0.000+/-0.000 χ^2/NDF: 2341375.2/34

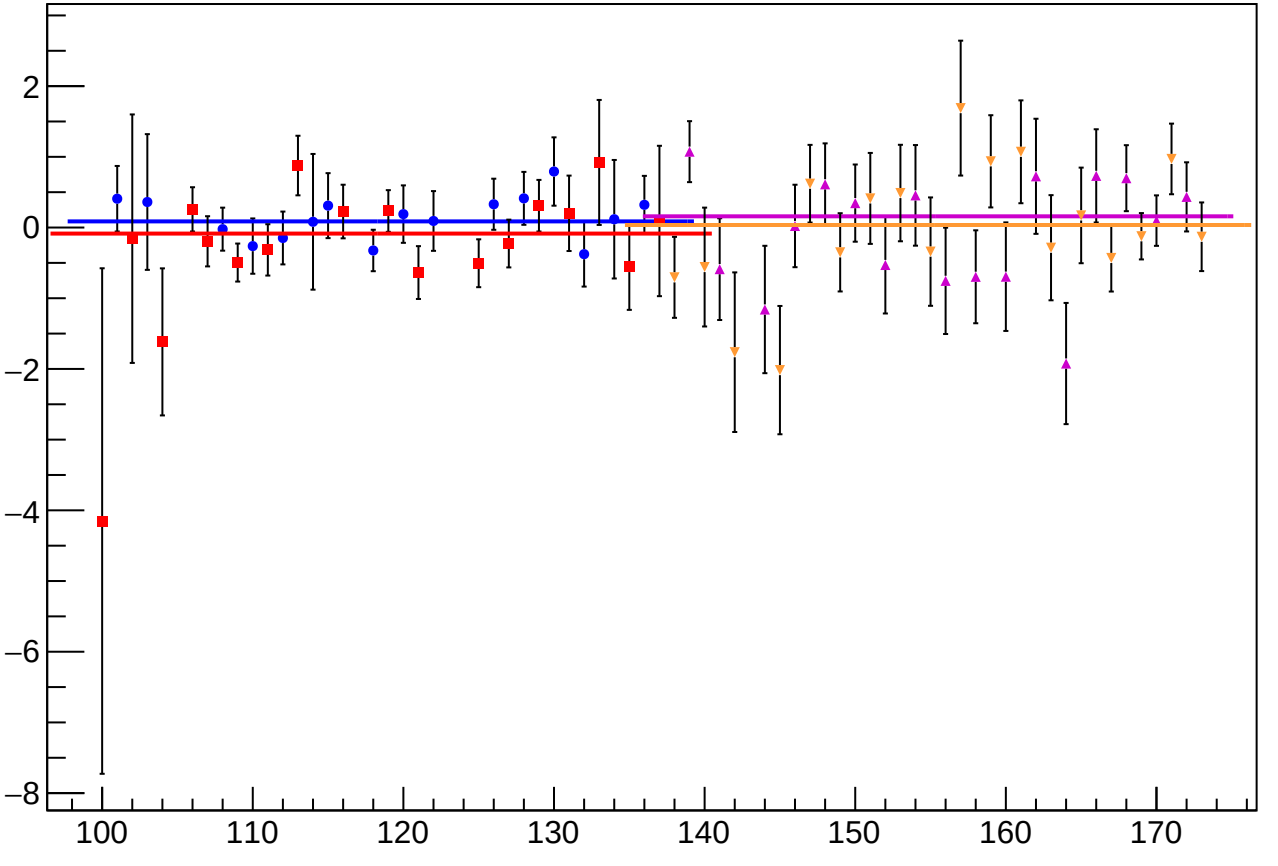
Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2811927.2/32

Out: 0.000+/-0.000 χ^2/NDF:3478391.2/35

All: 0.000+/-0.000 χ^2/NDF: 6303453.0/68

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: 0.036+/-0.141 χ^2/NDF:24.5/17

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.159+/-0.142 χ^2/NDF:22.9/16

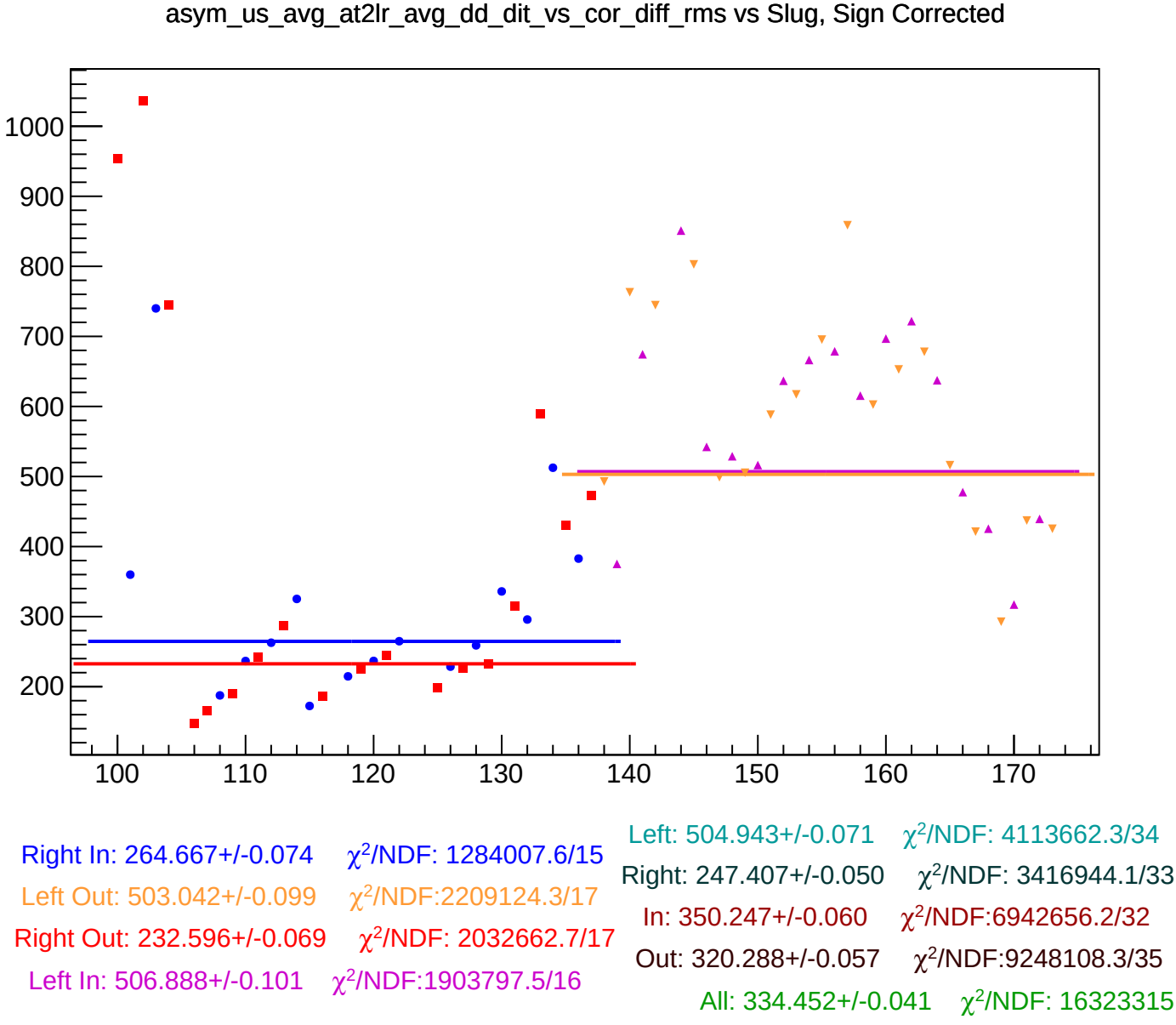
Left: 0.097+/-0.100 χ^2/NDF: 47.7/34

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.112+/-0.085 χ^2/NDF:31.9/32

Out: -0.046+/-0.080 χ^2/NDF:46.8/35

All: 0.029+/-0.058 χ^2/NDF: 80.5/68


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1000
900
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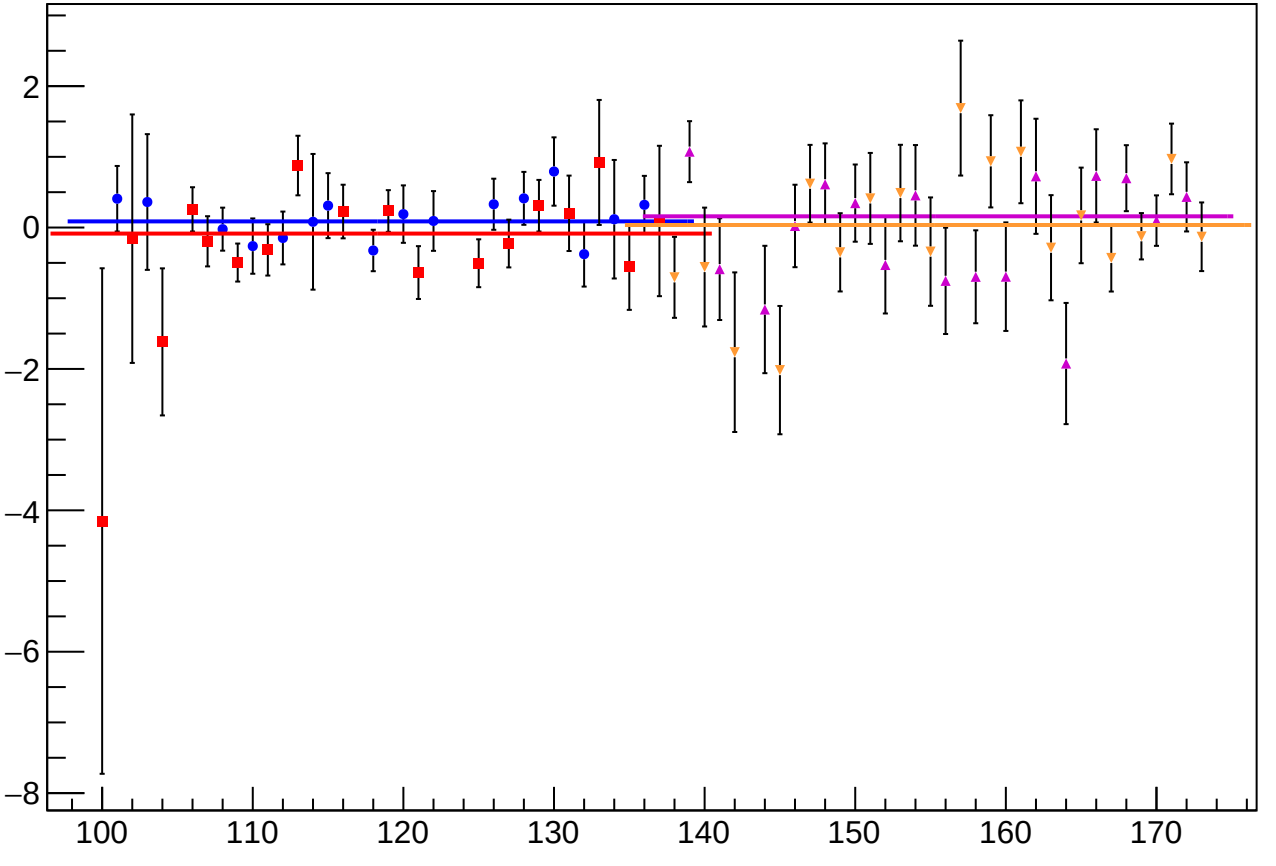
700
600
500
400
300
200
100
110
120
130
140
150
160
170
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 503.042+/-0.099 χ²/NDF:2209124.3/17
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 506.888+/-0.101 χ²/NDF:1903797.5/16
Left: 504.943+/-0.071 χ²/NDF: 4113662.3/34
Right: 247.407+/-0.050 χ²/NDF: 3416944.1/33
In: 350.247+/-0.060 χ²/NDF:6942656.2/32
Out: 320.288+/-0.057 χ²/NDF:9248108.3/35
All: 334.452+/-0.041 χ²/NDF: 16323315.2/68

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: 0.036+/-0.141 χ^2/NDF:24.5/17

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.159+/-0.142 χ^2/NDF:22.9/16

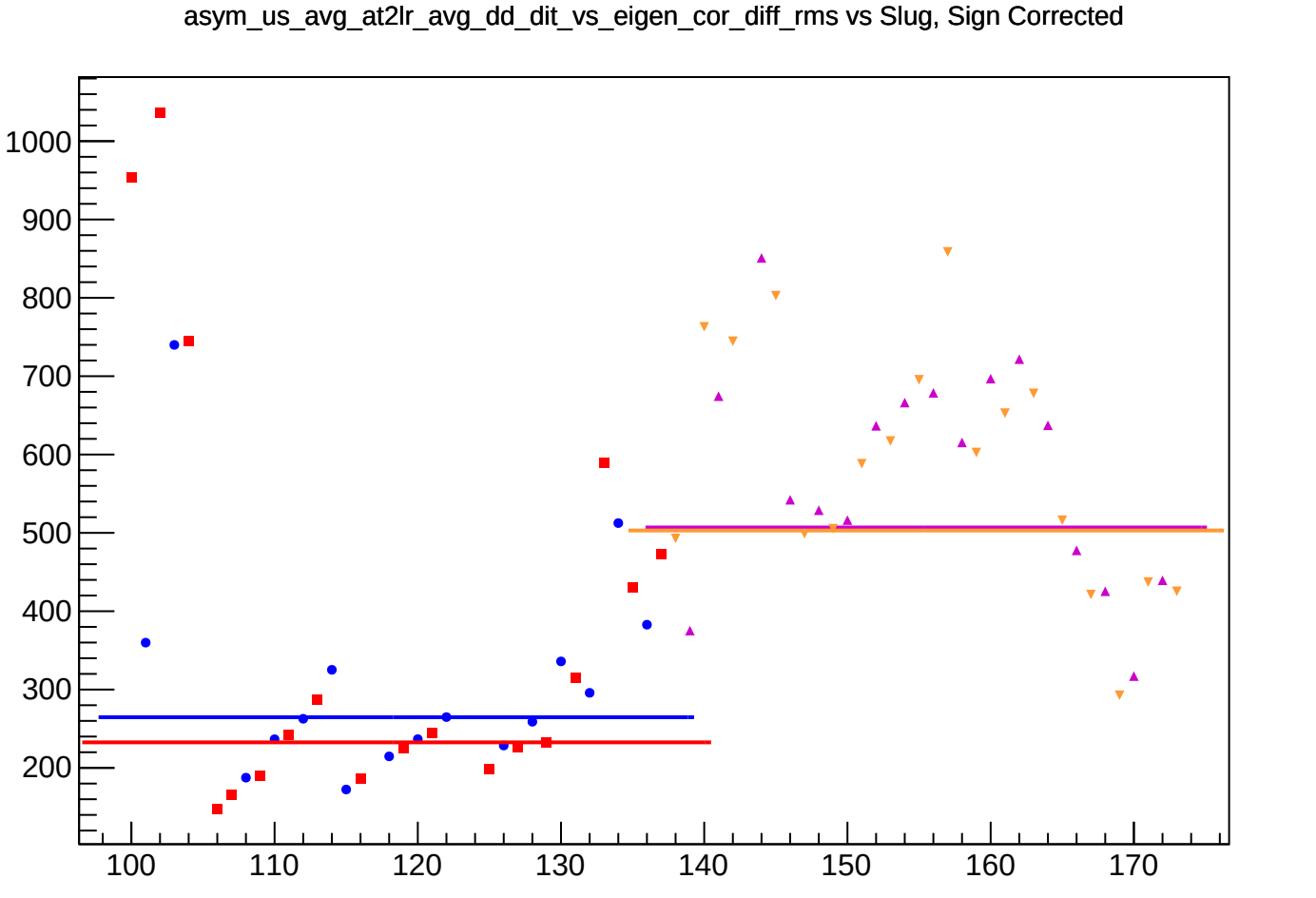
Left: 0.097+/-0.100 χ^2/NDF: 47.7/34

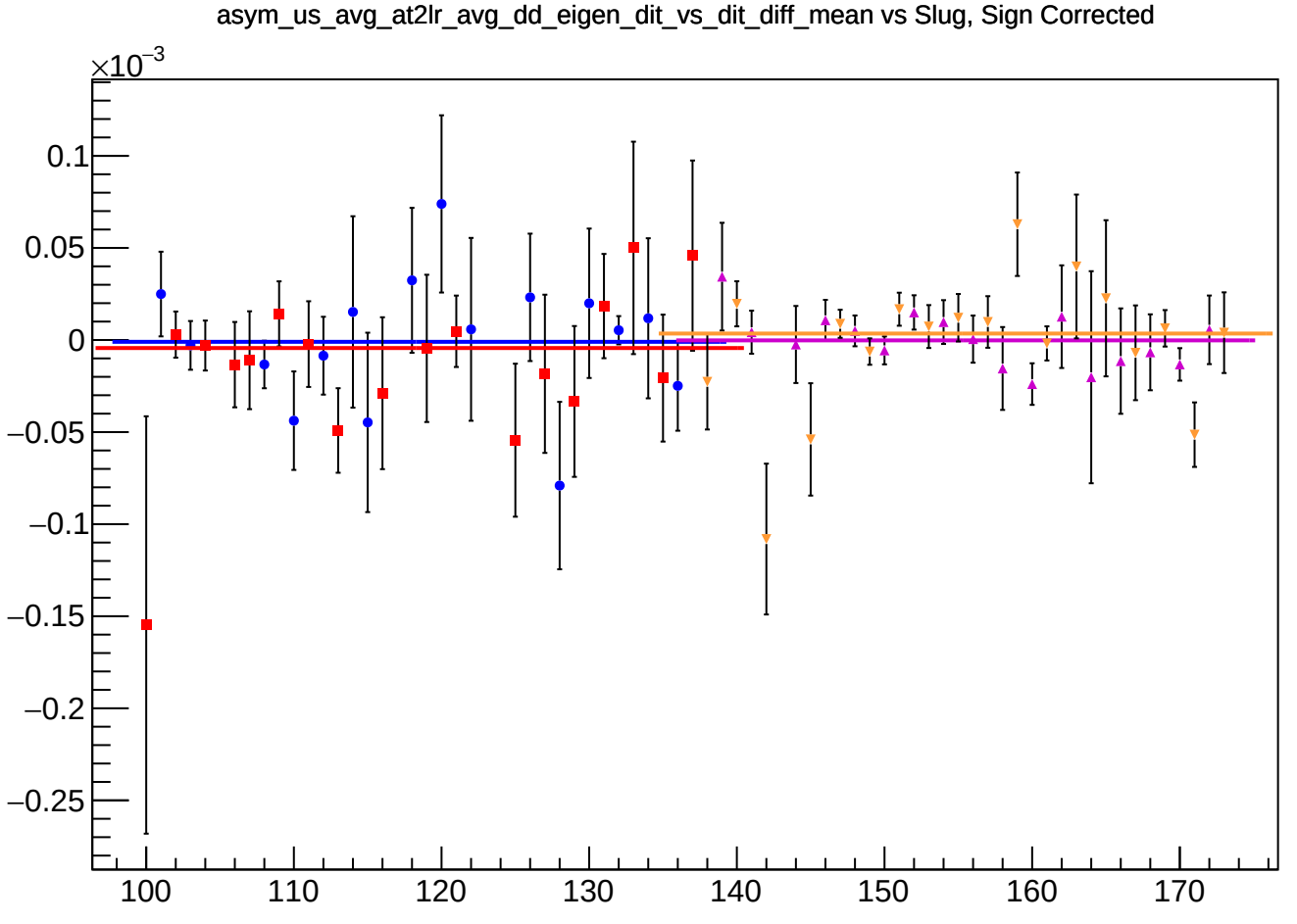
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.112+/-0.085 χ^2/NDF:31.9/32

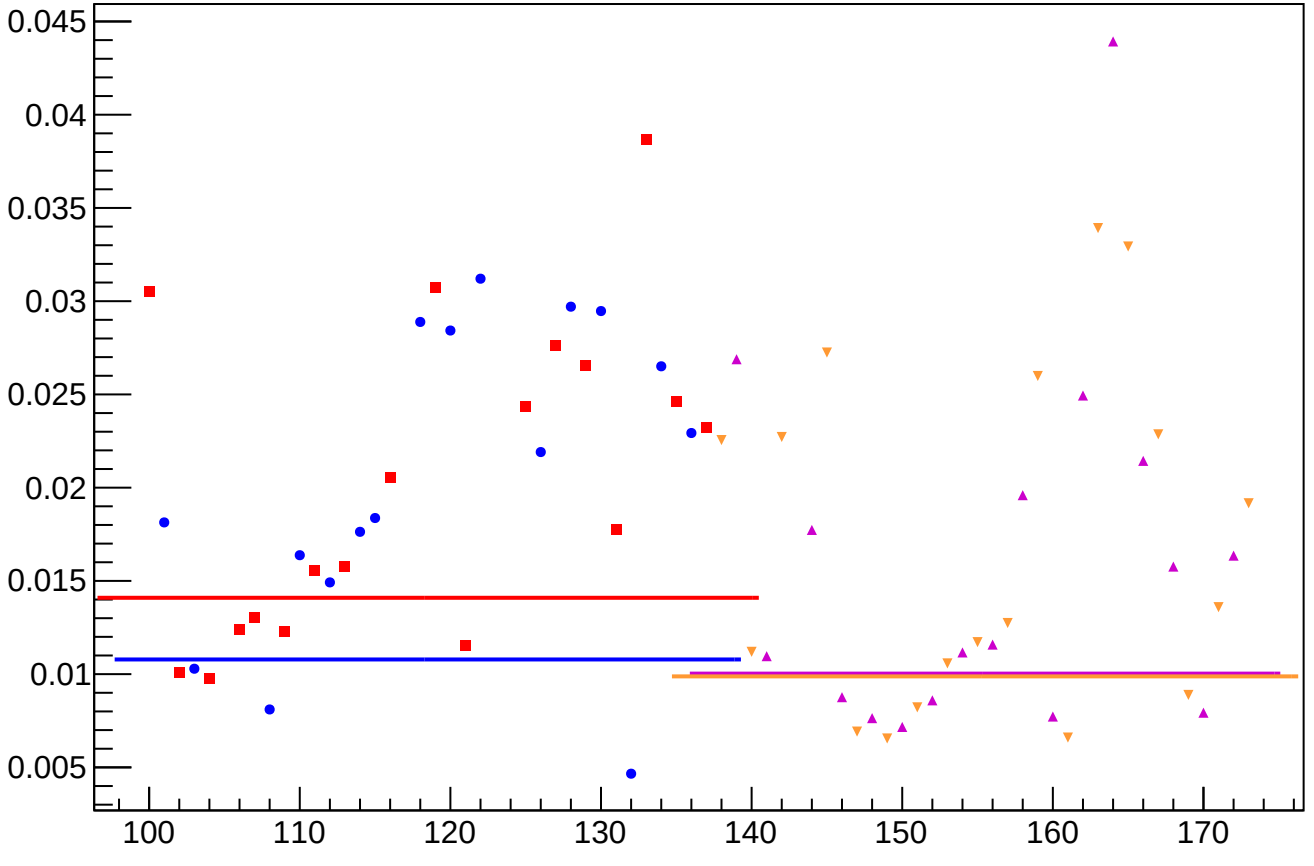
Out: -0.046+/-0.080 χ^2/NDF:46.8/35

All: 0.029+/-0.058 χ^2/NDF: 80.5/68


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
170
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 503.042+/-0.099 χ²/NDF:2209124.3/17
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 506.888+/-0.101 χ²/NDF:1903797.5/16
Left: 504.943+/-0.071 χ²/NDF: 4113662.3/34
Right: 247.407+/-0.050 χ²/NDF: 3416944.1/33
In: 350.247+/-0.060 χ²/NDF:6942656.2/32
Out: 320.288+/-0.057 χ²/NDF:9248108.3/35
All: 334.452+/-0.041 χ²/NDF: 16323315.2/68


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
170
Right In: -0.000+/-0.000 χ²/NDF: 14.4/15
Left Out: 0.000+/-0.000 χ²/NDF:35.0/17
Right Out: -0.000+/-0.000 χ²/NDF: 12.6/17
Left In: -0.000+/-0.000 χ²/NDF:14.5/16
Left: 0.000+/-0.000 χ²/NDF: 50.2/34
Right: -0.000+/-0.000 χ²/NDF: 27.2/33
In: -0.000+/-0.000 χ²/NDF:28.9/32
Out: 0.000+/-0.000 χ²/NDF:49.0/35
All: 0.000+/-0.000 χ²/NDF: 78.3/68

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:5516717.5/17

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.010+/-0.000 χ^2/NDF:4044429.6/16

Left: 0.010+/-0.000 χ^2/NDF: 9563501.1/34

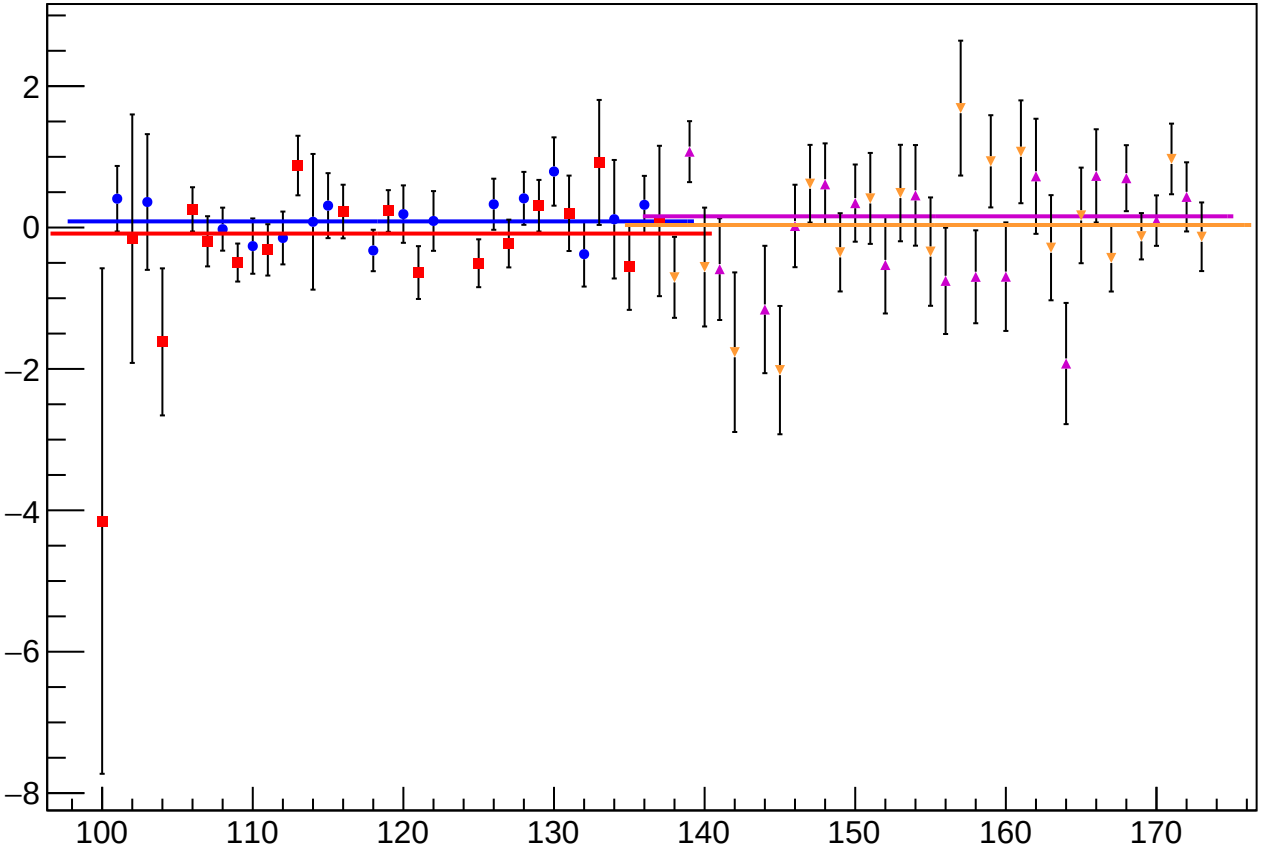
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:8658337.2/32

Out: 0.011+/-0.000 χ^2/NDF:8446994.1/35

All: 0.011+/-0.000 χ^2/NDF: 17150876.9/68

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: 0.036+/-0.141 χ^2/NDF:24.5/17

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.159+/-0.142 χ^2/NDF:22.9/16

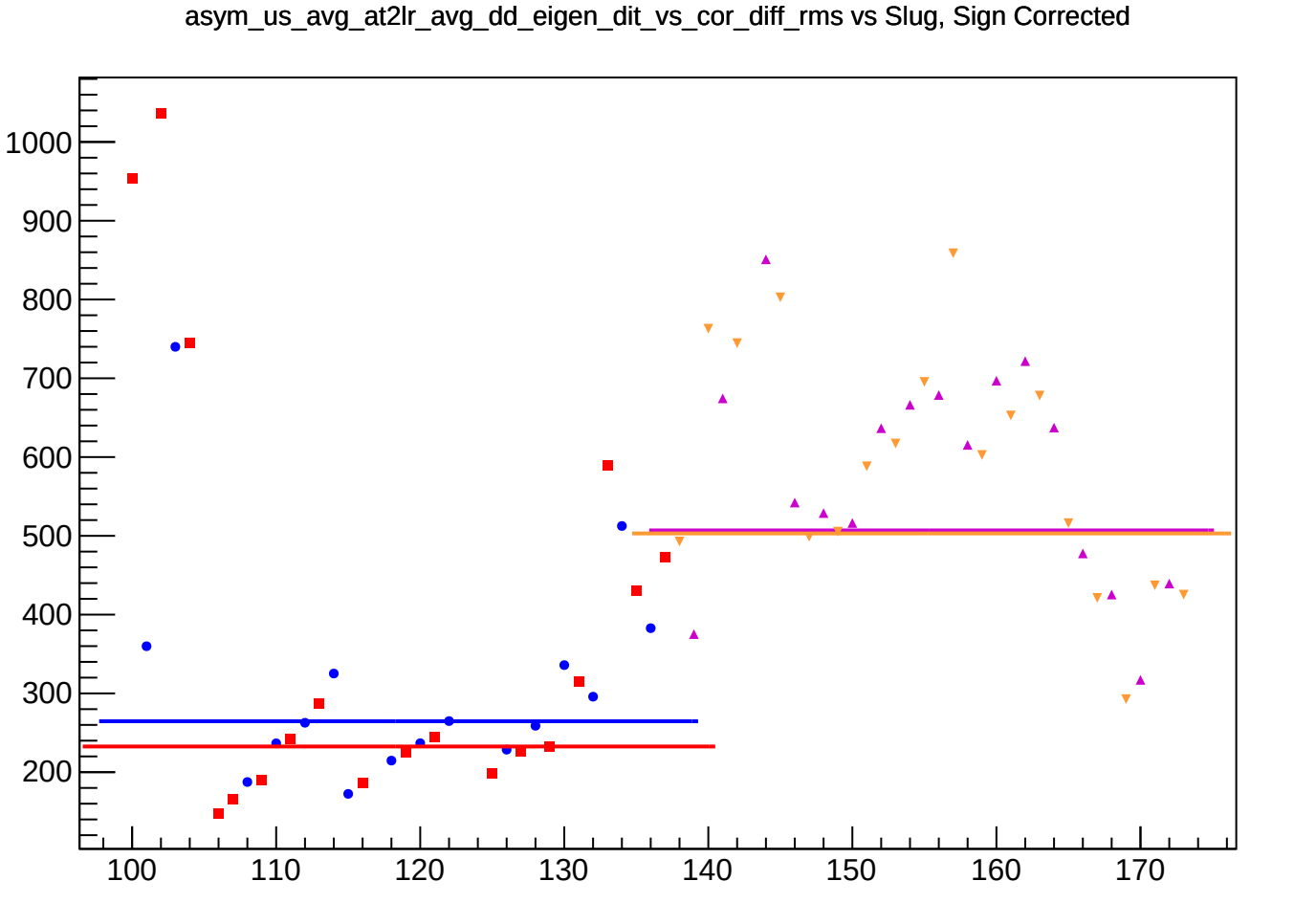
Left: 0.097+/-0.100 χ^2/NDF: 47.7/34

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.112+/-0.085 χ^2/NDF:31.9/32

Out: -0.046+/-0.080 χ^2/NDF:46.8/35

All: 0.029+/-0.058 χ^2/NDF: 80.5/68



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 503.042+/-0.099 χ^2/NDF:2209255.8/17

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 506.893+/-0.101 χ^2/NDF:1903835.6/16

Left: 504.945+/-0.071 χ^2/NDF: 4113833.4/34

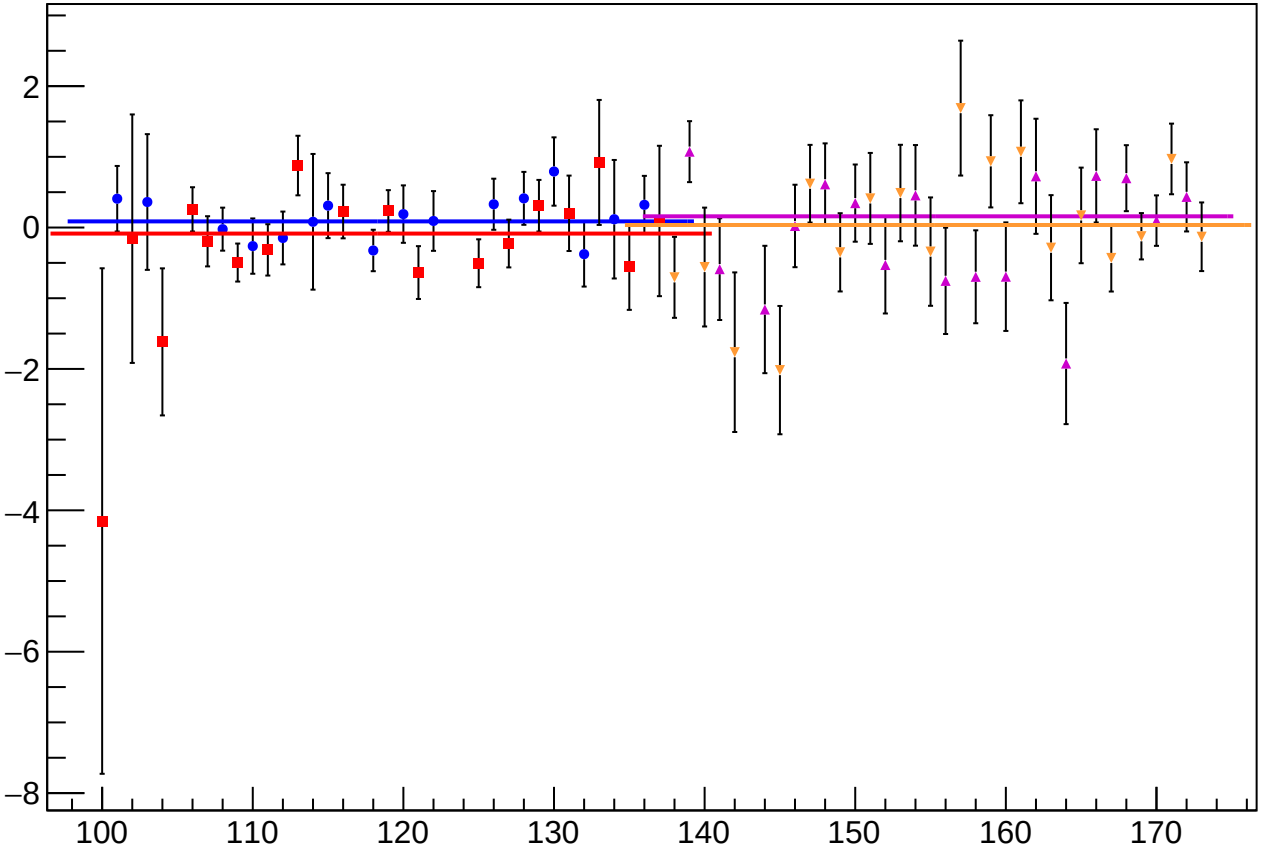
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 350.248+/-0.060 χ^2/NDF:6942763.5/32

Out: 320.289+/-0.057 χ^2/NDF:9248195.4/35

All: 334.452+/-0.041 χ^2/NDF: 16323506.4/68

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: 0.036+/-0.141 χ^2/NDF:24.5/17

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.159+/-0.142 χ^2/NDF:22.9/16

Left: 0.097+/-0.100 χ^2/NDF: 47.7/34

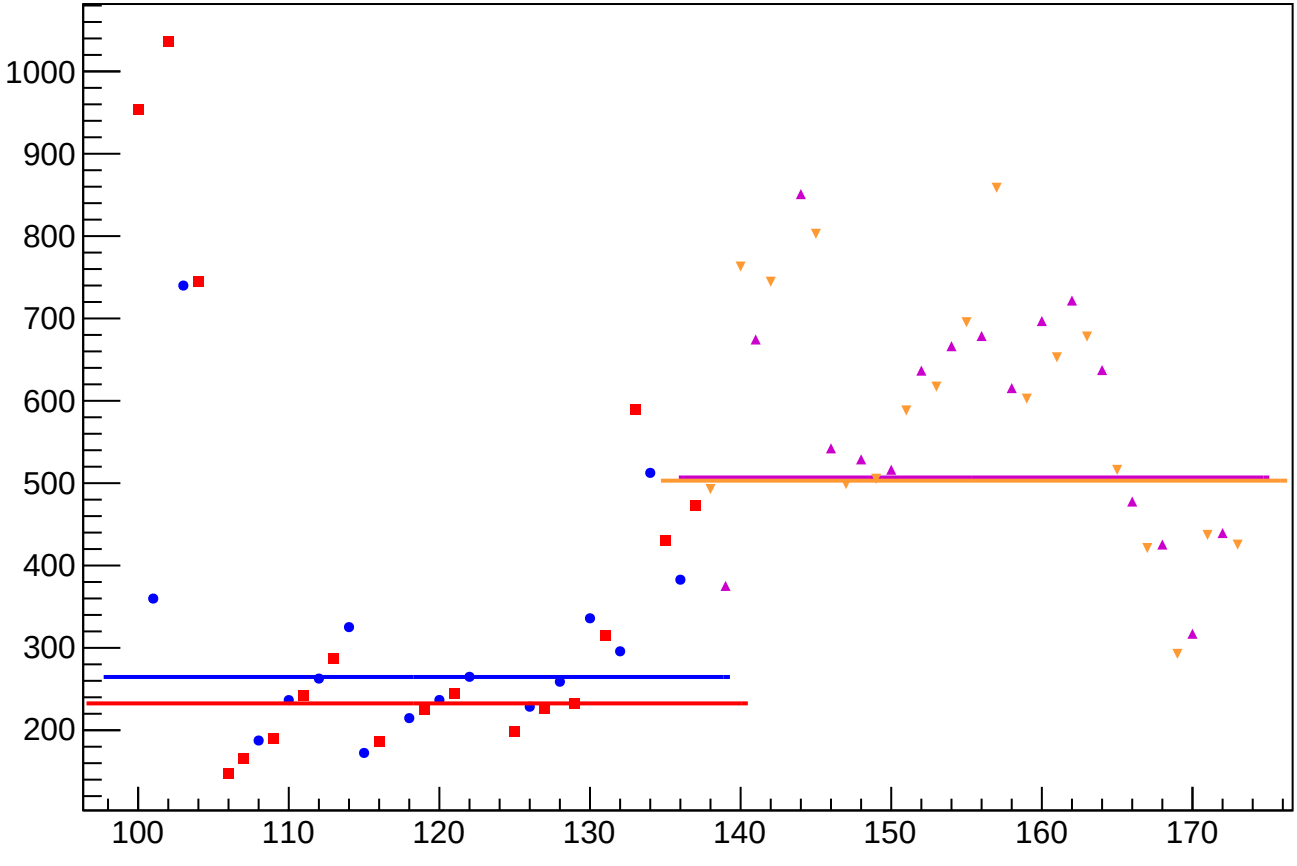
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.112+/-0.085 χ^2/NDF:31.9/32

Out: -0.046+/-0.080 χ^2/NDF:46.8/35

All: 0.029+/-0.058 χ^2/NDF: 80.5/68

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: 503.042+/-0.099 χ^2/NDF:2209255.8/17

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 506.893+/-0.101 χ^2/NDF:1903835.6/16

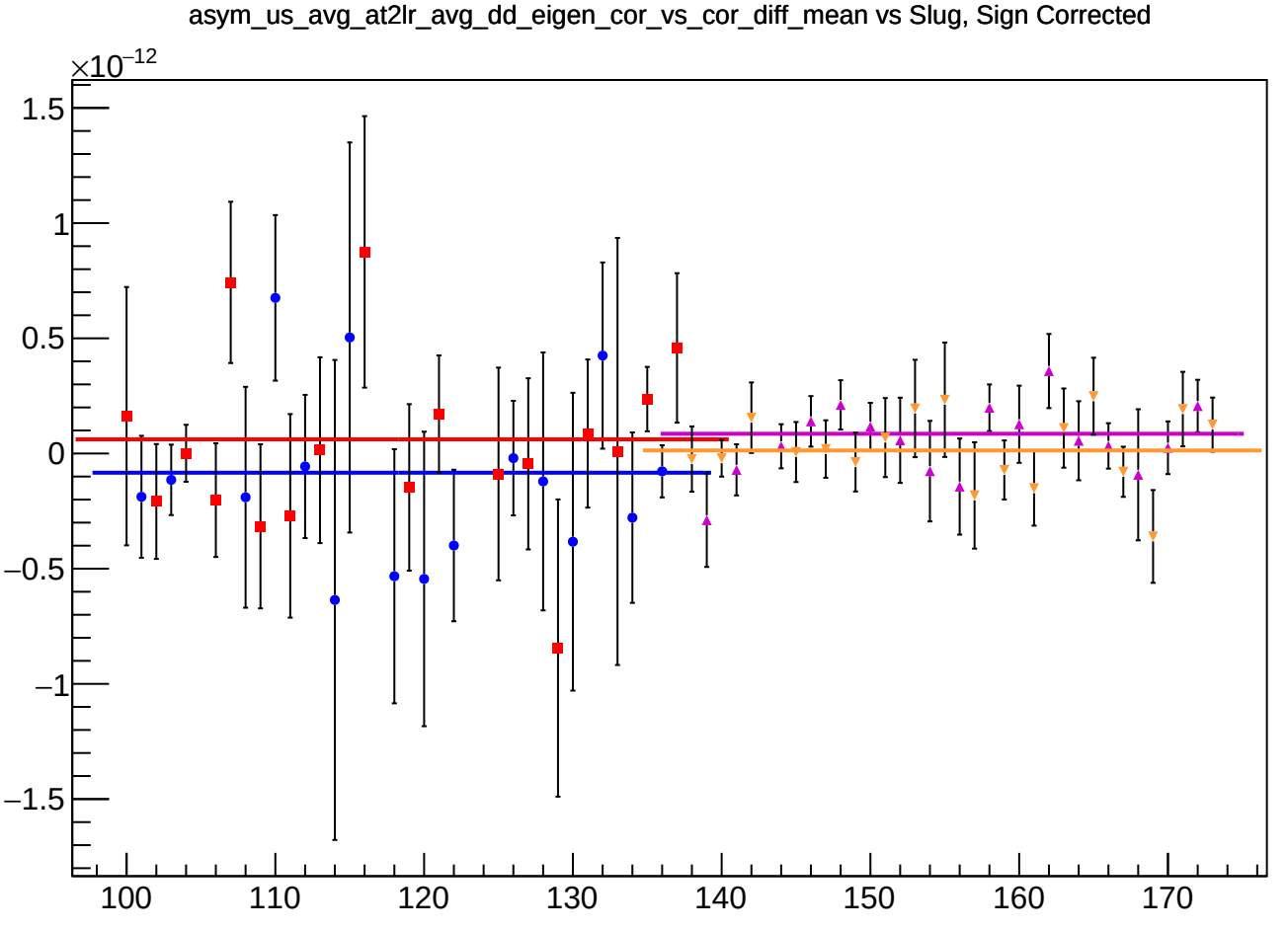
Left: 504.945+/-0.071 χ^2/NDF: 4113833.4/34

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 350.248+/-0.060 χ^2/NDF:6942763.5/32

Out: 320.289+/-0.057 χ^2/NDF:9248195.4/35

All: 334.452+/-0.041 χ^2/NDF: 16323506.4/68



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:15.5/16

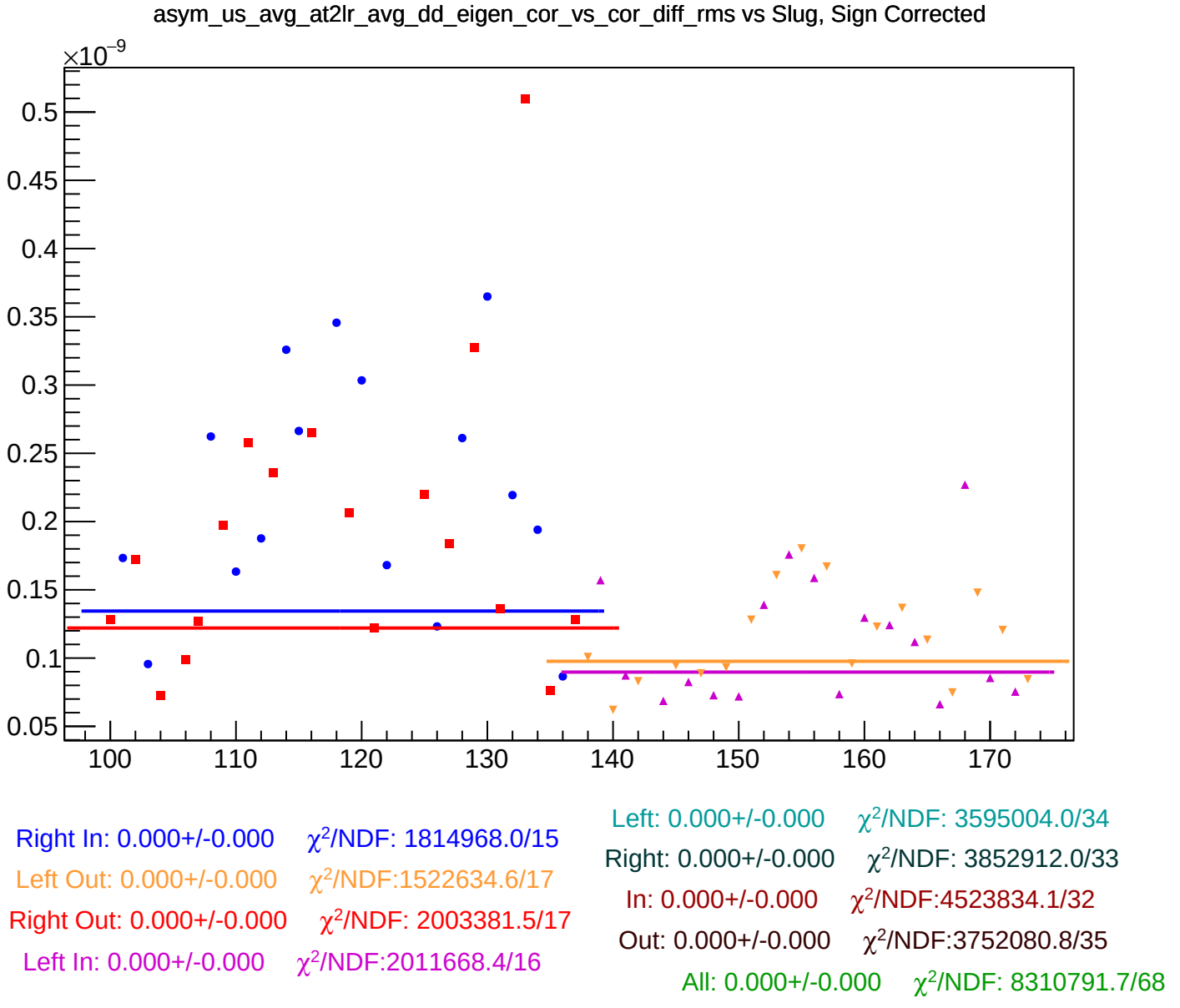
Left: 0.000+/-0.000 χ^2/NDF: 31.7/34

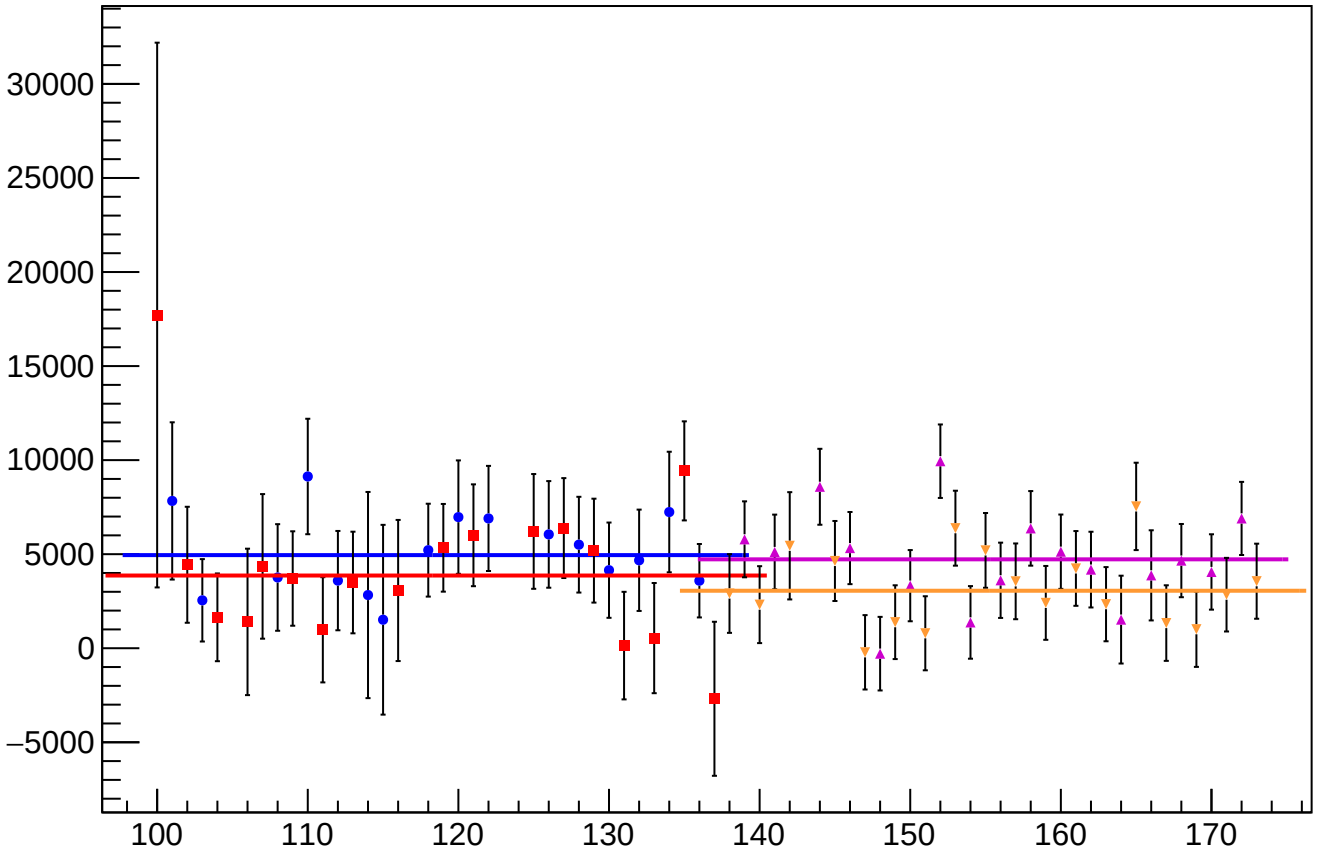
Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: 0.000+/-0.000 χ^2/NDF:30.2/32

Out: 0.000+/-0.000 χ^2/NDF:29.9/35

All: 0.000+/-0.000 χ^2/NDF: 60.7/68


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
170
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1522634.6/17
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:2011668.4/16
Left: 0.000+/-0.000 χ²/NDF: 3595004.0/34
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:4523834.1/32
Out: 0.000+/-0.000 χ²/NDF:3752080.8/35
All: 0.000+/-0.000 χ²/NDF: 8310791.7/68



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3055.888+/-482.136 χ^2/NDF:16.4/17

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 4725.623+/-486.220 χ^2/NDF:25.8/16

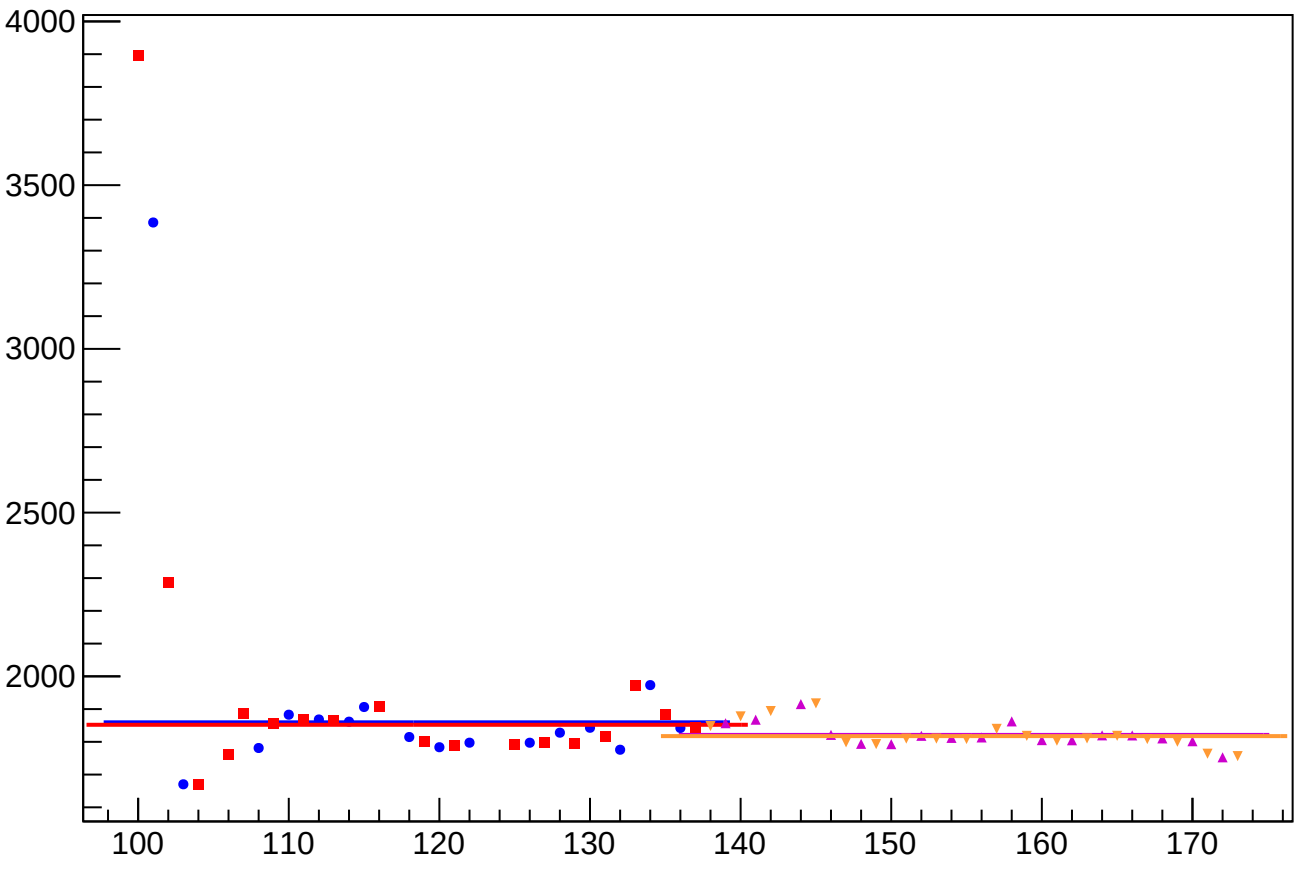
Left: 3883.712+/-342.356 χ^2/NDF: 48.1/34

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4798.901+/-399.140 χ^2/NDF:32.7/32

Out: 3318.412+/-396.290 χ^2/NDF:33.4/35

All: 4053.353+/-281.222 χ^2/NDF: 73.1/68



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1817.476+/-0.341 χ^2/NDF:12554.0/17

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1821.115+/-0.344 χ^2/NDF:10833.8/16

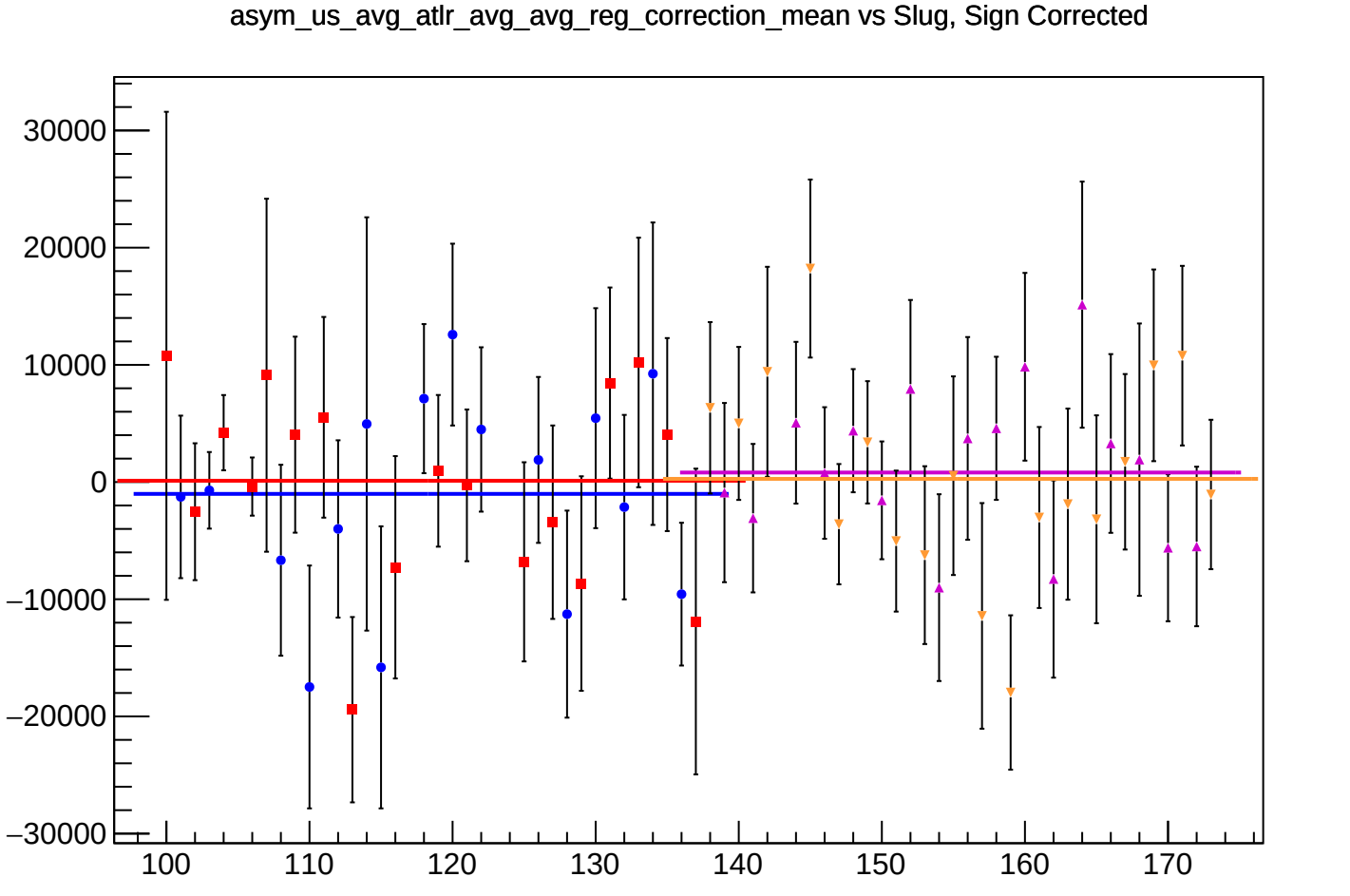
Left: 1819.280+/-0.242 χ^2/NDF: 23444.3/34

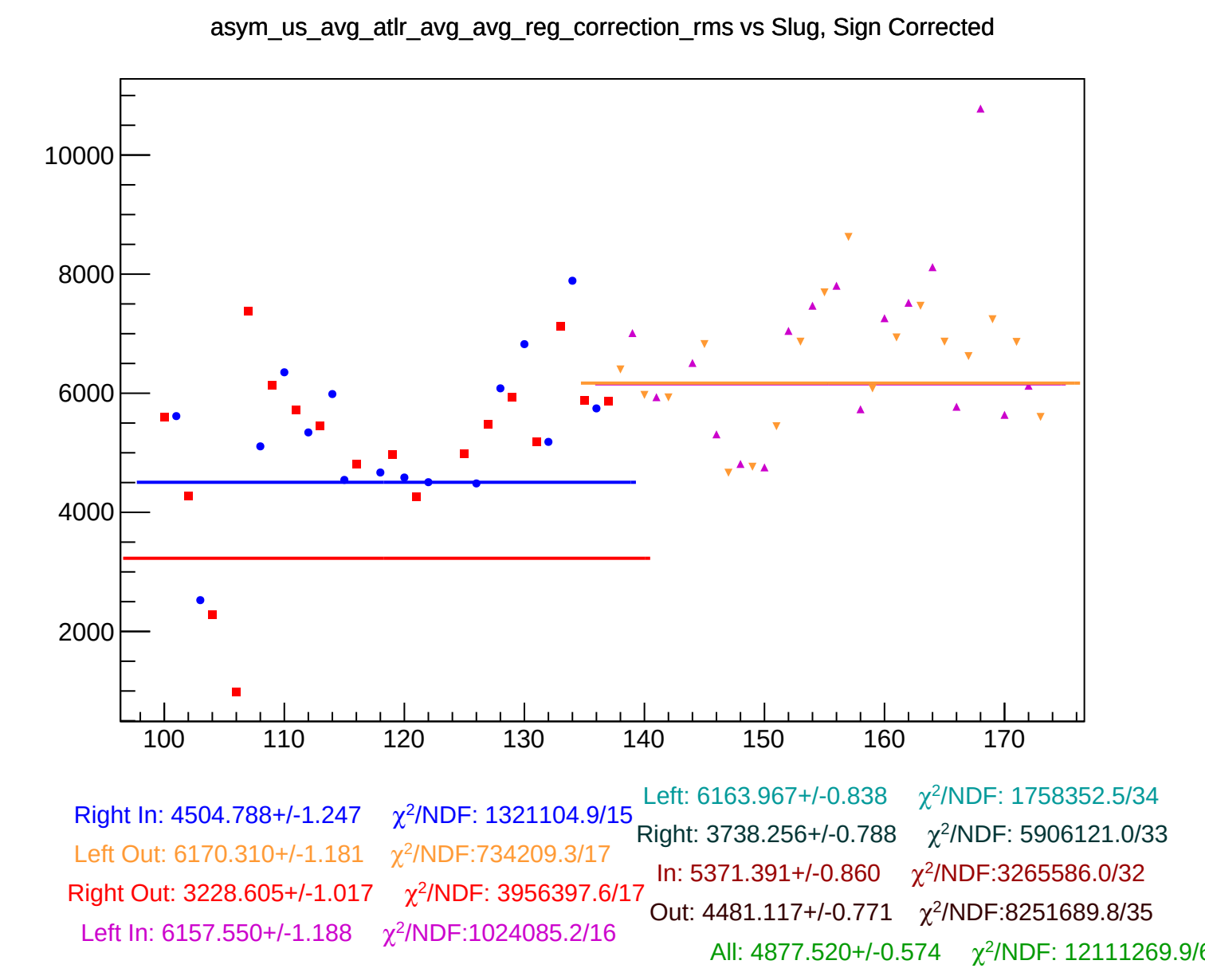
Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

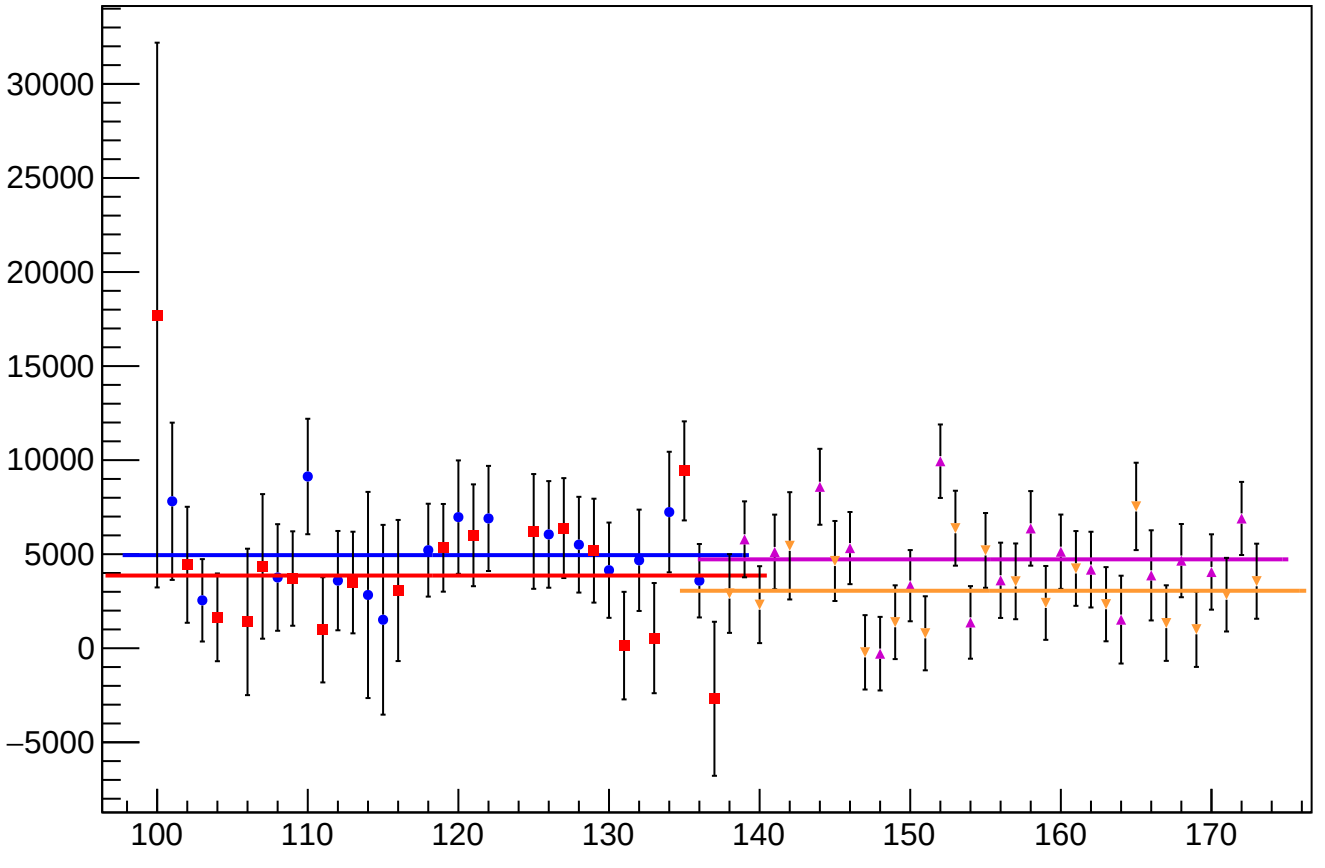
In: 1833.636+/-0.282 χ^2/NDF:307235.4/32

Out: 1828.743+/-0.280 χ^2/NDF:118119.6/35

All: 1831.169+/-0.199 χ^2/NDF: 425506.5/68


asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -1010.288+/-1764.180 χ²/NDF: 14.7/15
Left Out: 272.391+/-1670.564 χ²/NDF:23.2/17
Right Out: 111.261+/-1438.515 χ²/NDF: 14.6/17
Left In: 812.098+/-1680.305 χ²/NDF:10.7/16
Left: 540.676+/-1184.696 χ²/NDF: 33.9/34
Right: -336.636+/-1114.867 χ²/NDF: 29.6/33
In: -54.745+/-1216.726 χ²/NDF:26.0/32
Out: 179.867+/-1090.070 χ²/NDF:37.8/35
All: 75.404+/-811.894 χ²/NDF: 63.8/68


asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
Right In: 4504.788+/-1.247 χ²/NDF: 1321104.9/15
Left Out: 6170.310+/-1.181 χ²/NDF:734209.3/17
Right Out: 3228.605+/-1.017 χ²/NDF: 3956397.6/17
Left In: 6157.550+/-1.188 χ²/NDF:1024085.2/16
Left: 6163.967+/-0.838 χ²/NDF: 1758352.5/34
Right: 3738.256+/-0.788 χ²/NDF: 5906121.0/33
In: 5371.391+/-0.860 χ²/NDF:3265586.0/32
Out: 4481.117+/-0.771 χ²/NDF:8251689.8/35
All: 4877.520+/-0.574 χ²/NDF: 12111269.9/6



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3055.814+/-482.136 χ^2/NDF:16.4/17

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4725.677+/-486.220 χ^2/NDF:25.8/16

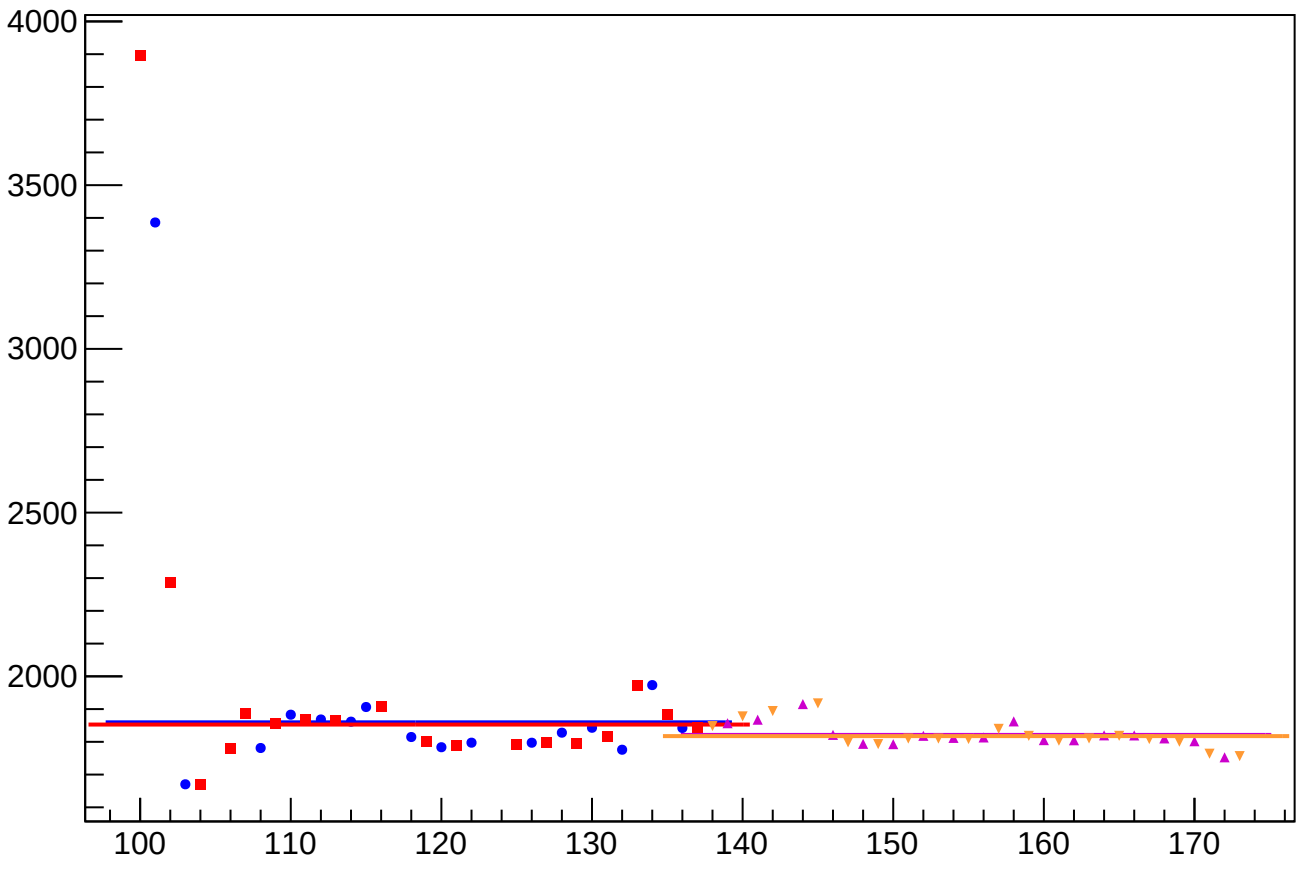
Left: 3883.702+/-342.356 χ^2/NDF: 48.1/34

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4798.780+/-399.140 χ^2/NDF:32.7/32

Out: 3318.292+/-396.290 χ^2/NDF:33.4/35

All: 4053.233+/-281.222 χ^2/NDF: 73.1/68



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1817.476+/-0.341 χ^2/NDF:12554.0/17

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1821.115+/-0.344 χ^2/NDF:10833.8/16

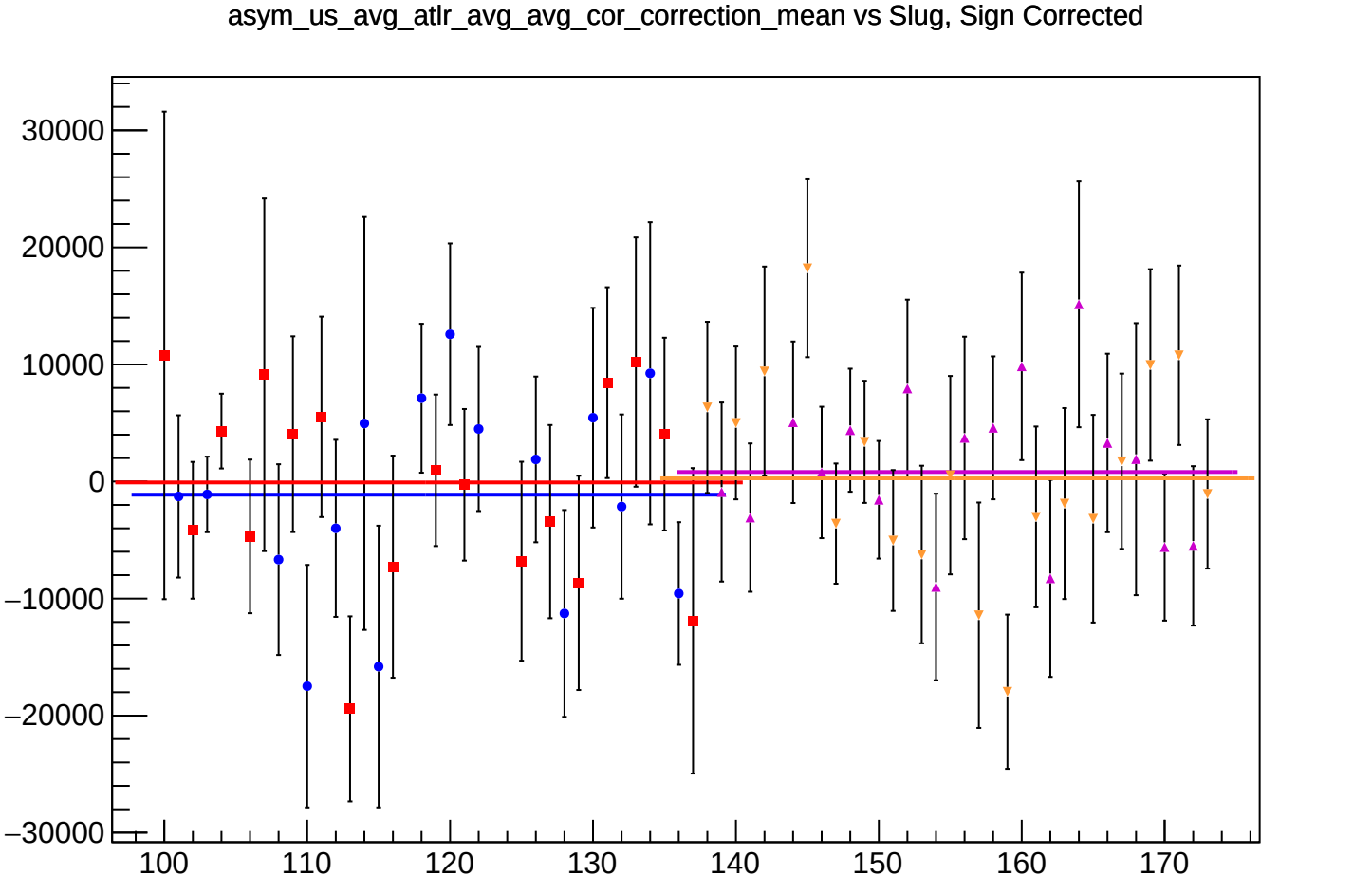
Left: 1819.280+/-0.242 χ^2/NDF: 23444.3/34

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1833.636+/-0.282 χ^2/NDF:307237.2/32

Out: 1828.967+/-0.280 χ^2/NDF:117794.2/35

All: 1831.283+/-0.199 χ^2/NDF: 425169.4/68



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 272.346+/-1670.563 χ^2/NDF:23.2/17

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 812.202+/-1680.304 χ^2/NDF:10.7/16

Left: 540.704+/-1184.695 χ^2/NDF: 33.9/34

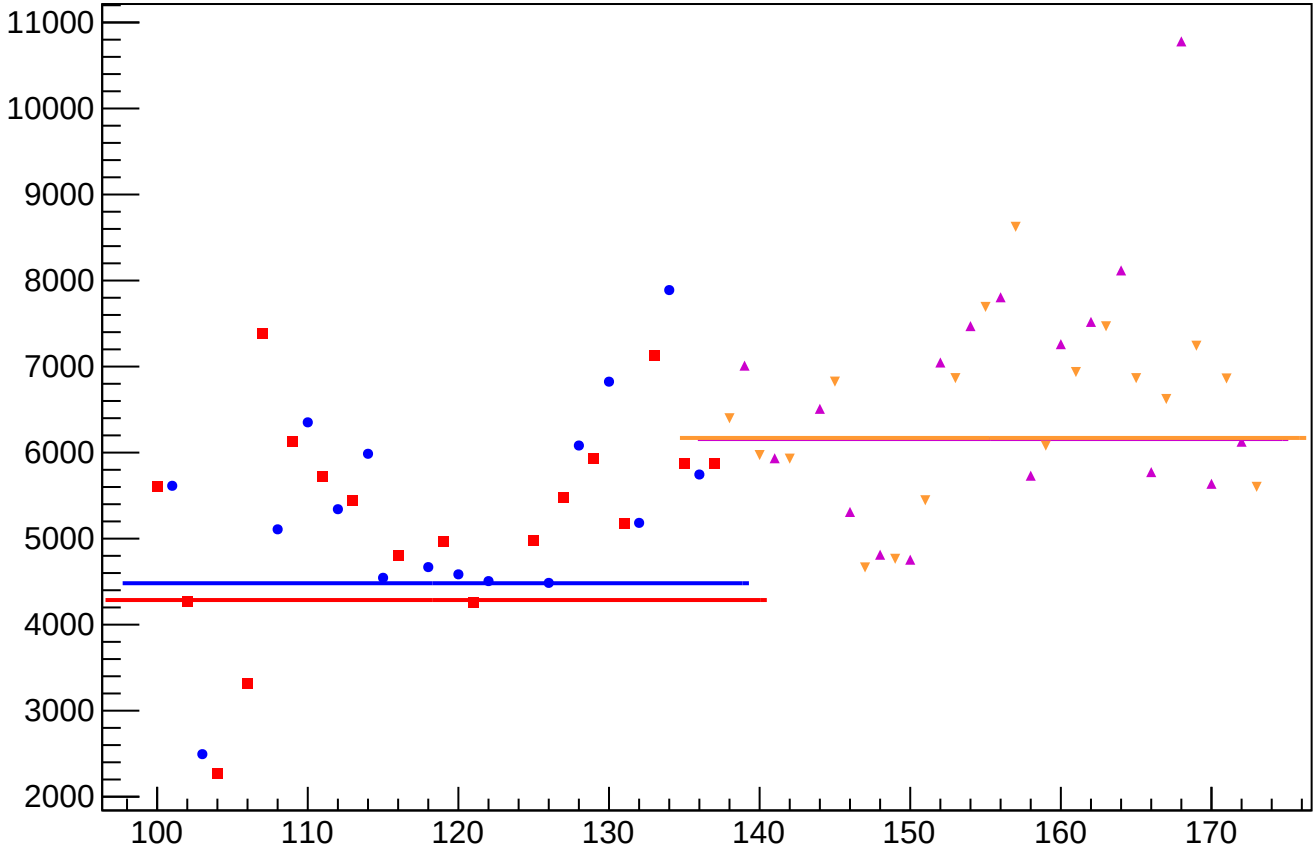
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -112.985+/-1214.652 χ^2/NDF:26.1/32

Out: 100.351+/-1192.378 χ^2/NDF:38.7/35

All: -4.343+/-850.905 χ^2/NDF: 64.8/68

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6170.305+/-1.181 χ^2/NDF:734214.9/17

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6157.549+/-1.188 χ^2/NDF:1024093.8/16

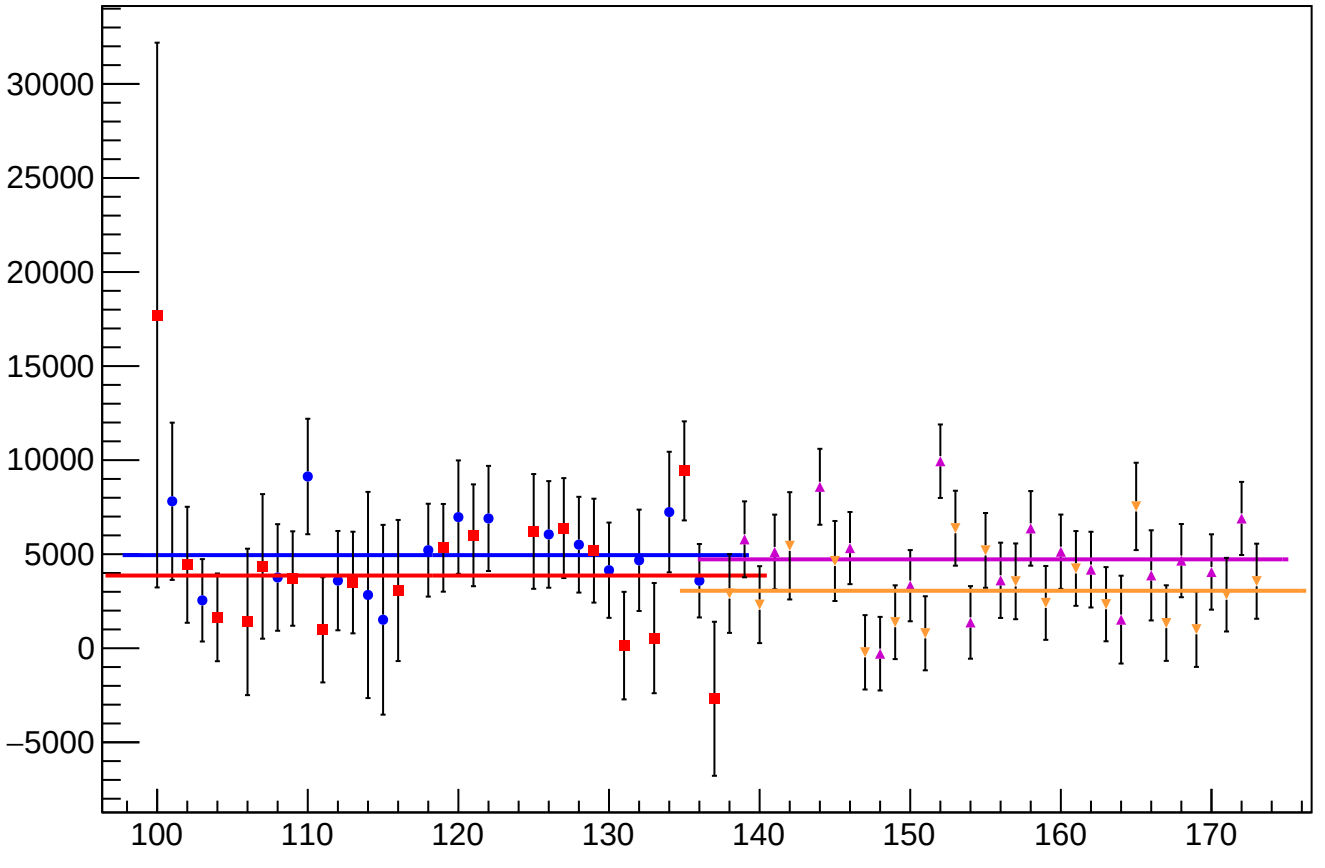
Left: 6163.964+/-0.838 χ^2/NDF: 1758366.7/34

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5357.329+/-0.859 χ^2/NDF:3336397.0/32

Out: 5246.022+/-0.843 χ^2/NDF:3532115.6/35

All: 5300.645+/-0.602 χ^2/NDF: 6877065.3/68



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3055.814+/-482.136 χ^2/NDF:16.4/17

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4725.677+/-486.220 χ^2/NDF:25.8/16

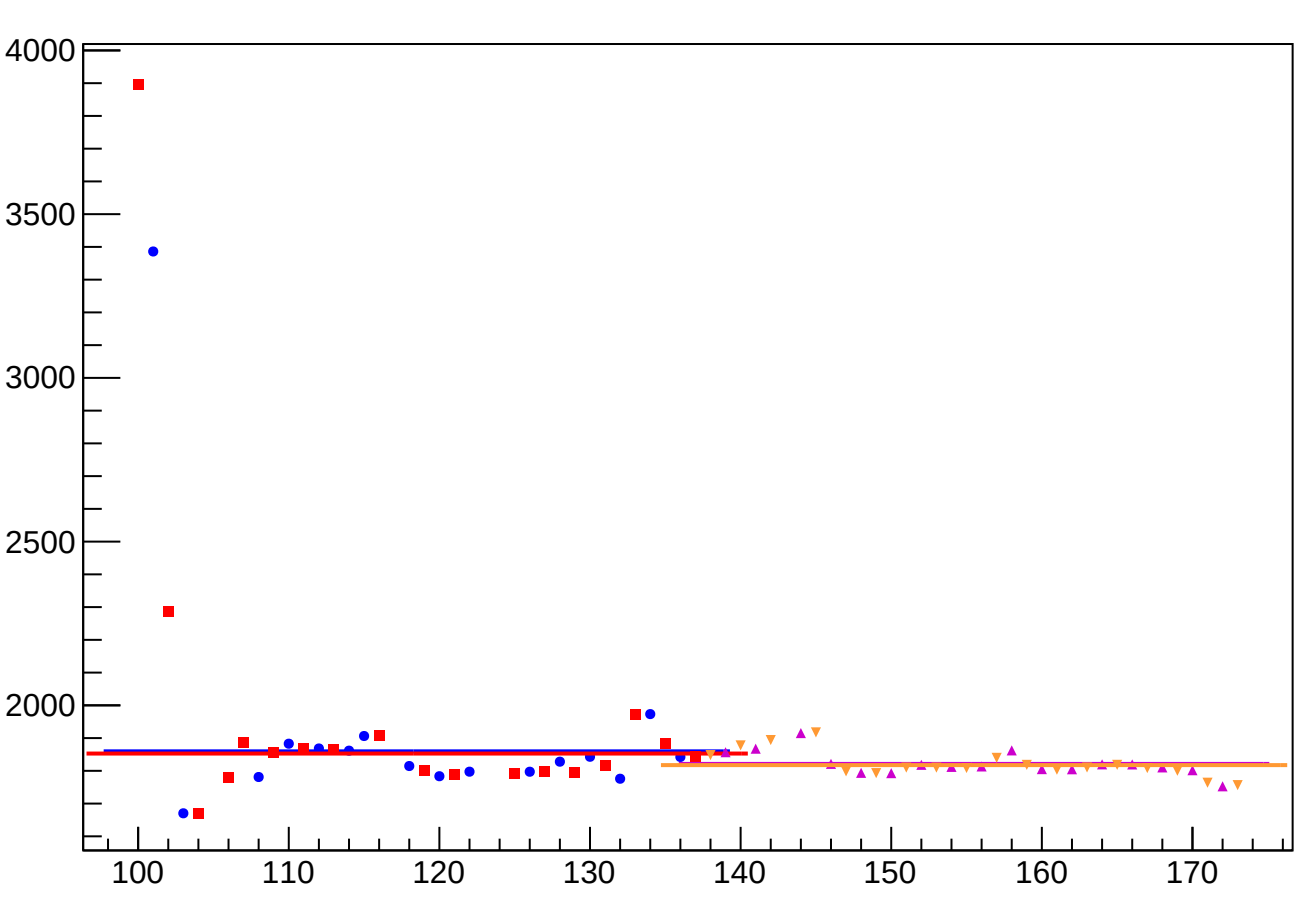
Left: 3883.702+/-342.356 χ^2/NDF: 48.1/34

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4798.780+/-399.140 χ^2/NDF:32.7/32

Out: 3318.292+/-396.290 χ^2/NDF:33.4/35

All: 4053.233+/-281.222 χ^2/NDF: 73.1/68



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1817.476+/-0.341 χ^2/NDF:12554.0/17

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1821.115+/-0.344 χ^2/NDF:10833.8/16

Left: 1819.280+/-0.242 χ^2/NDF: 23444.3/34

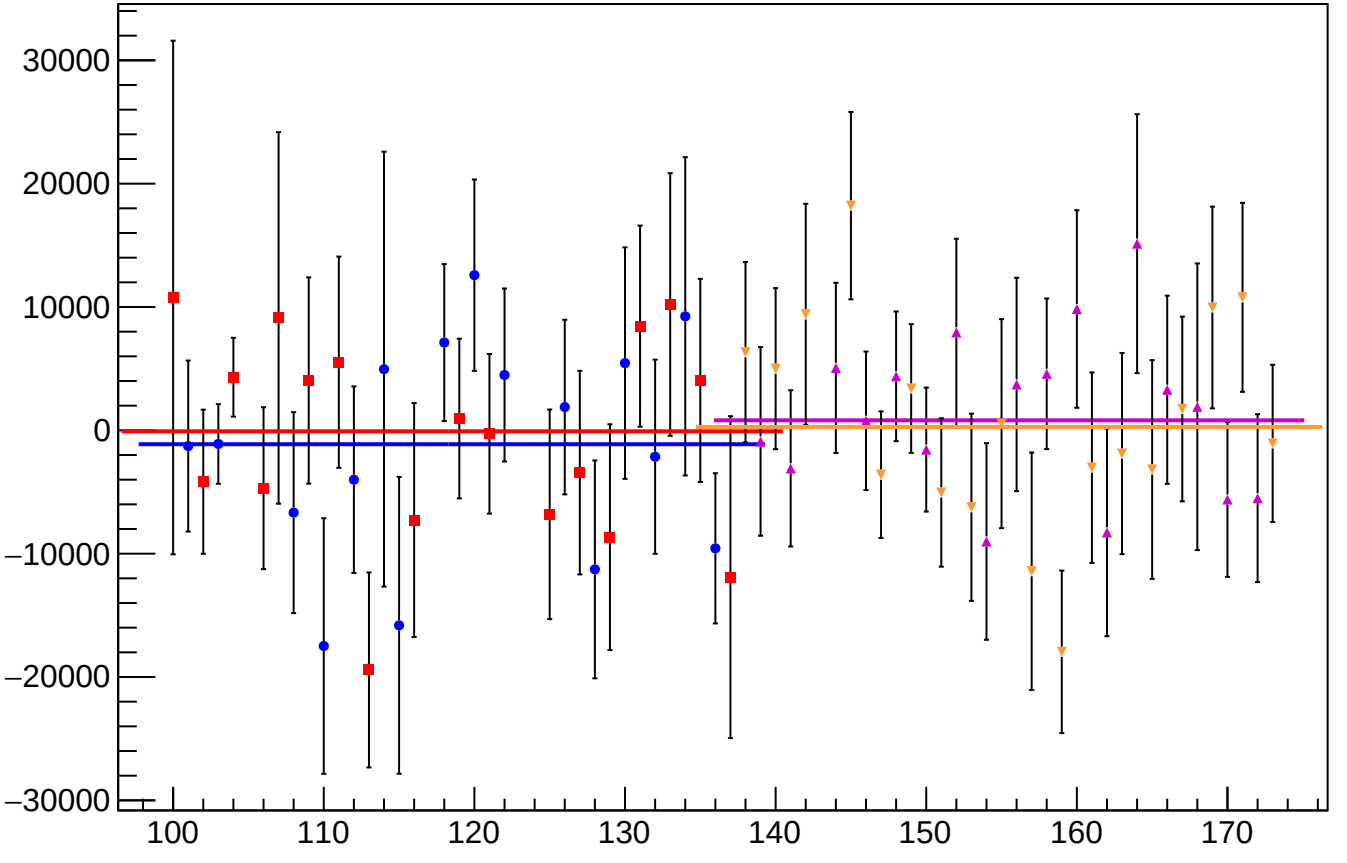
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1833.636+/-0.282 χ^2/NDF:307237.2/32

Out: 1828.967+/-0.280 χ^2/NDF:117794.2/35

All: 1831.283+/-0.199 χ^2/NDF: 425169.4/68

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 272.346+/-1670.563 χ^2/NDF:23.2/17

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 812.202+/-1680.304 χ^2/NDF:10.7/16

Left: 540.704+/-1184.695 χ^2/NDF: 33.9/34

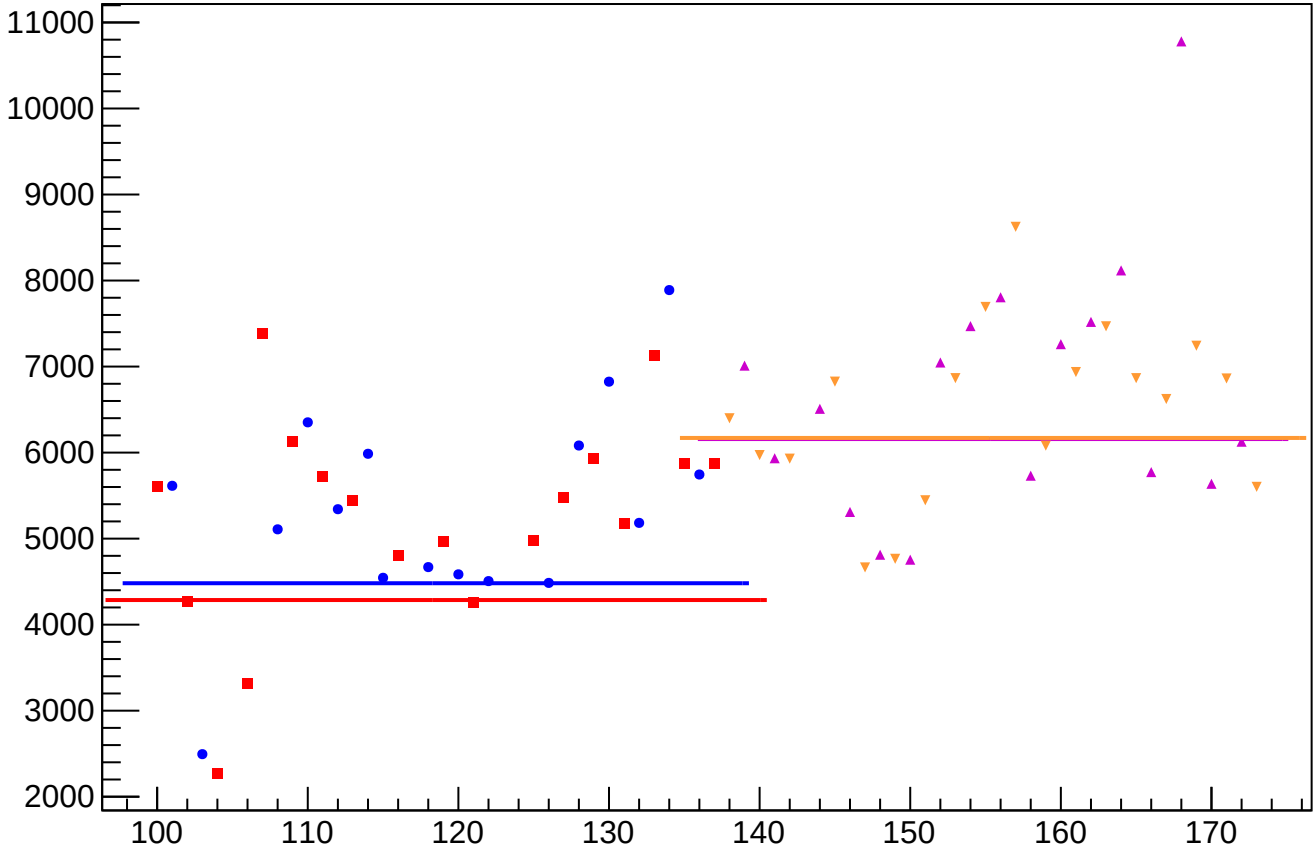
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -112.985+/-1214.652 χ^2/NDF:26.1/32

Out: 100.351+/-1192.378 χ^2/NDF:38.7/35

All: -4.343+/-850.905 χ^2/NDF: 64.8/68

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6170.305+/-1.181 χ^2/NDF:734214.9/17

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6157.549+/-1.188 χ^2/NDF:1024093.8/16

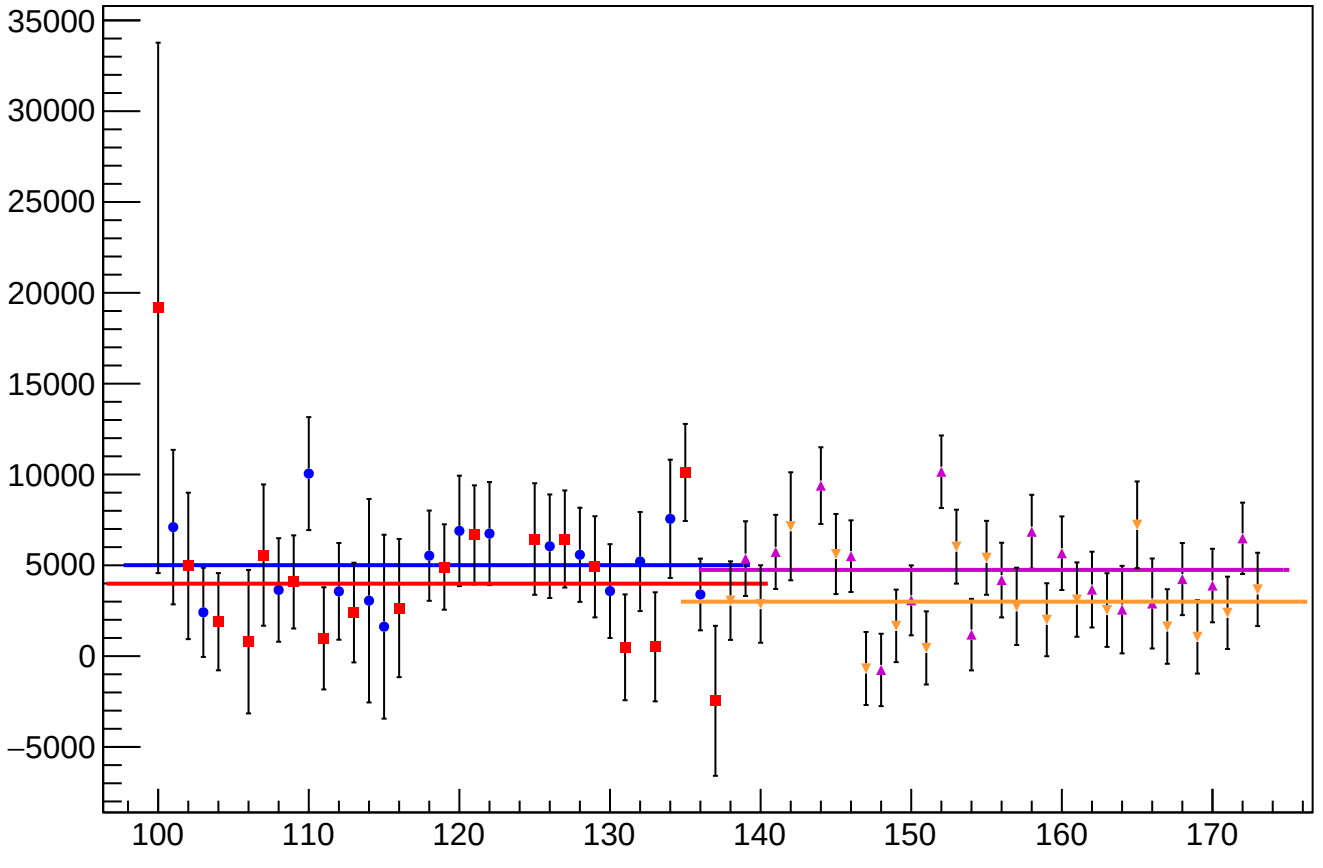
Left: 6163.964+/-0.838 χ^2/NDF: 1758366.7/34

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5357.329+/-0.859 χ^2/NDF:3336397.0/32

Out: 5246.022+/-0.843 χ^2/NDF:3532115.6/35

All: 5300.645+/-0.602 χ^2/NDF: 6877065.3/68



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2998.509+/-494.754 χ^2/NDF:17.4/17

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 4747.191+/-498.065 χ^2/NDF:28.3/16

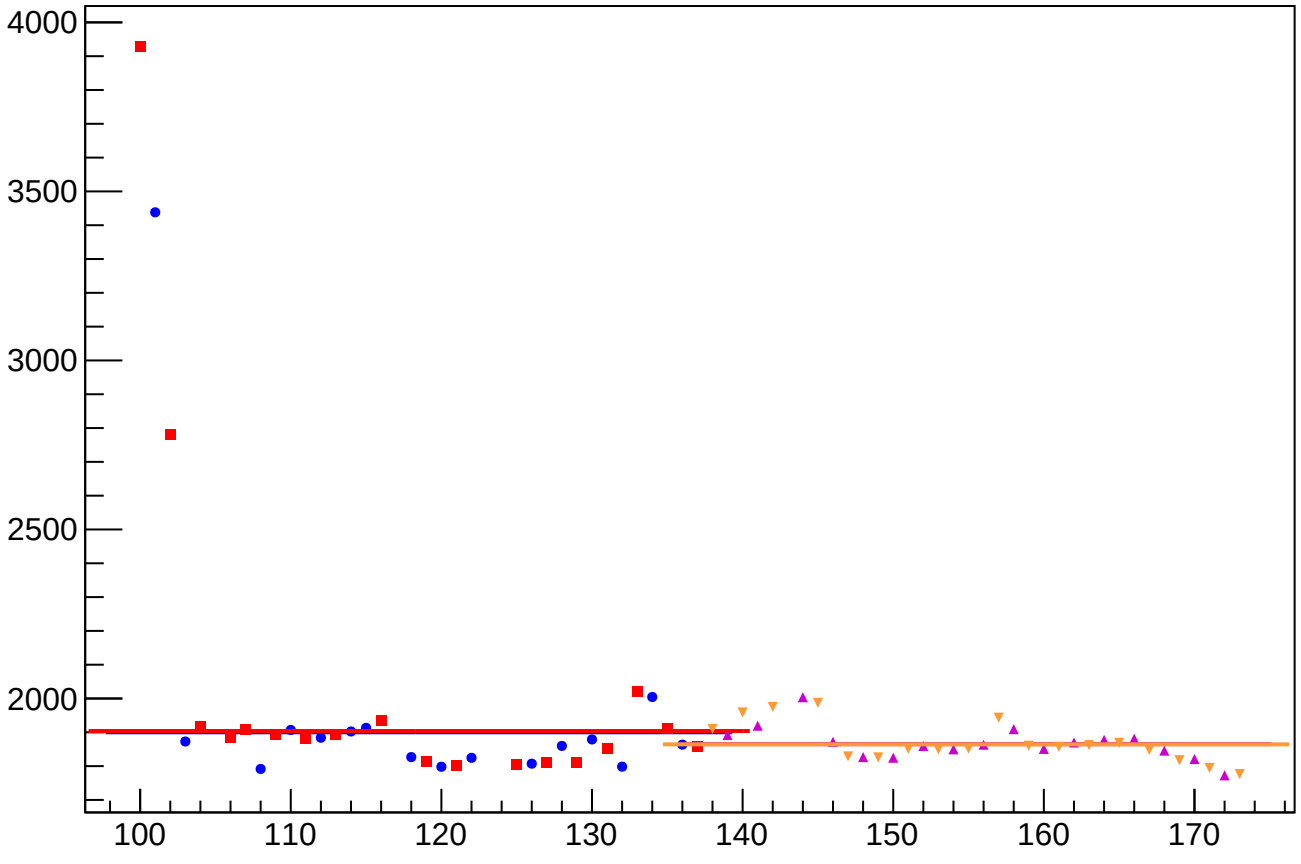
Left: 3867.018+/-351.009 χ^2/NDF: 51.9/34

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4832.327+/-408.508 χ^2/NDF:36.1/32

Out: 3316.845+/-407.586 χ^2/NDF:36.1/35

All: 4072.873+/-288.532 χ^2/NDF: 79.0/68



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1864.396+/-0.350 χ^2/NDF:25663.0/17

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1865.051+/-0.352 χ^2/NDF:18915.4/16

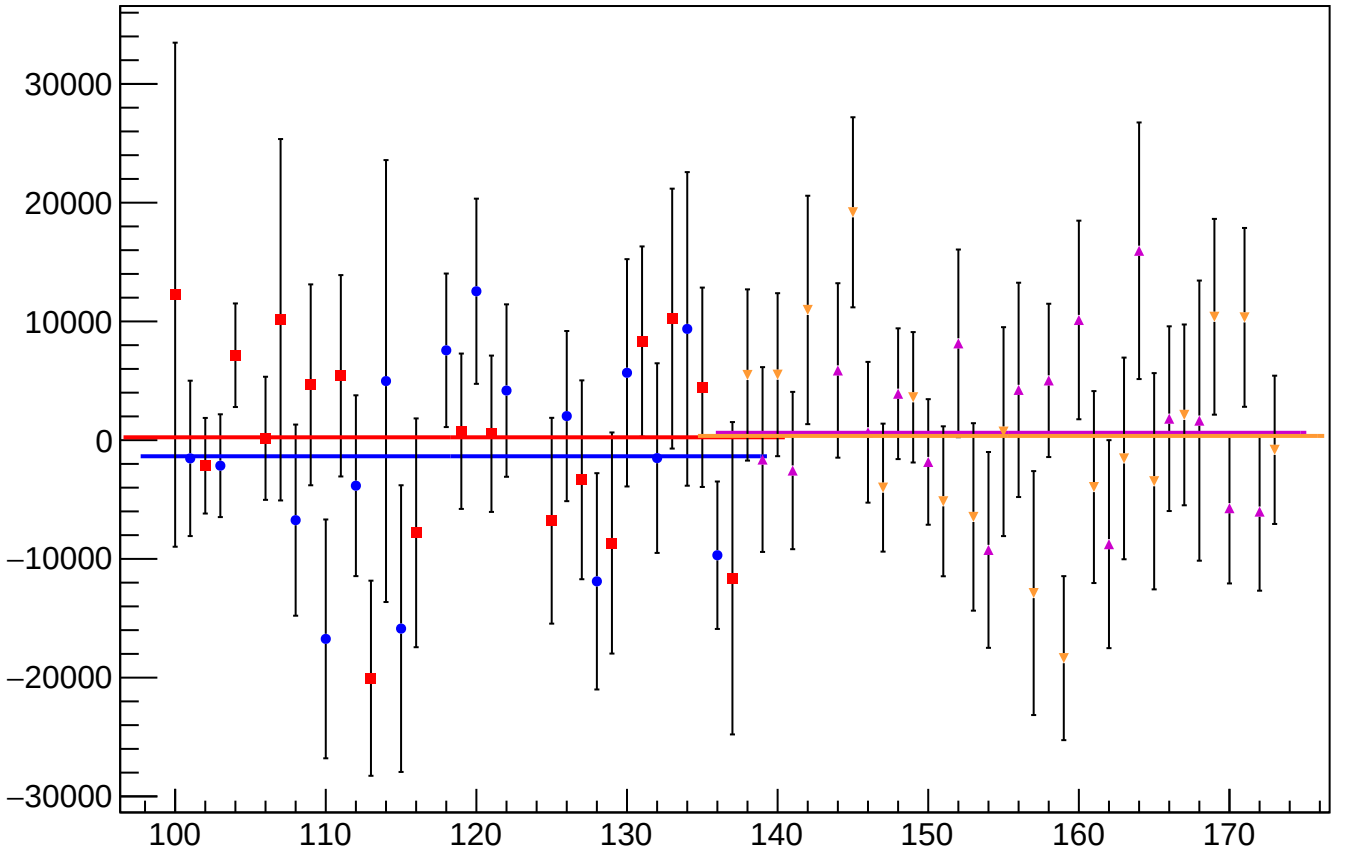
Left: 1864.721+/-0.248 χ^2/NDF: 44580.2/34

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1876.526+/-0.289 χ^2/NDF:300607.2/32

Out: 1877.085+/-0.288 χ^2/NDF:179866.9/35

All: 1876.806+/-0.204 χ^2/NDF: 480476.0/68



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 356.846+/-1726.617 χ^2/NDF:23.2/17

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 620.251+/-1743.284 χ^2/NDF:10.8/16

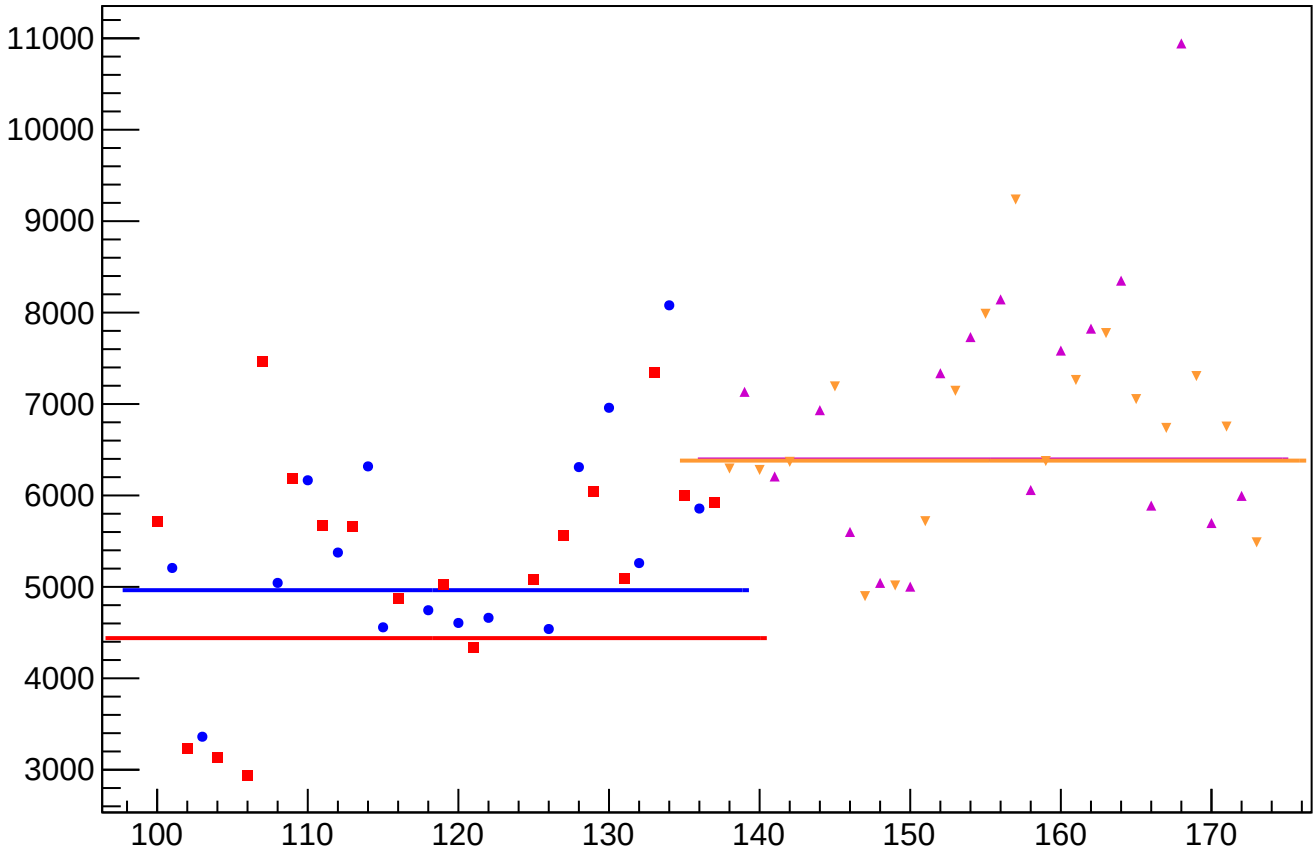
Left: 487.283+/-1226.753 χ^2/NDF: 34.0/34

Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: -285.377+/-1283.283 χ^2/NDF:26.1/32

Out: 298.531+/-1215.945 χ^2/NDF:38.9/35

All: 22.298+/-882.649 χ^2/NDF: 65.2/68



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6381.202+/-1.221 χ^2/NDF:722362.3/17

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6393.556+/-1.233 χ^2/NDF:983226.7/16

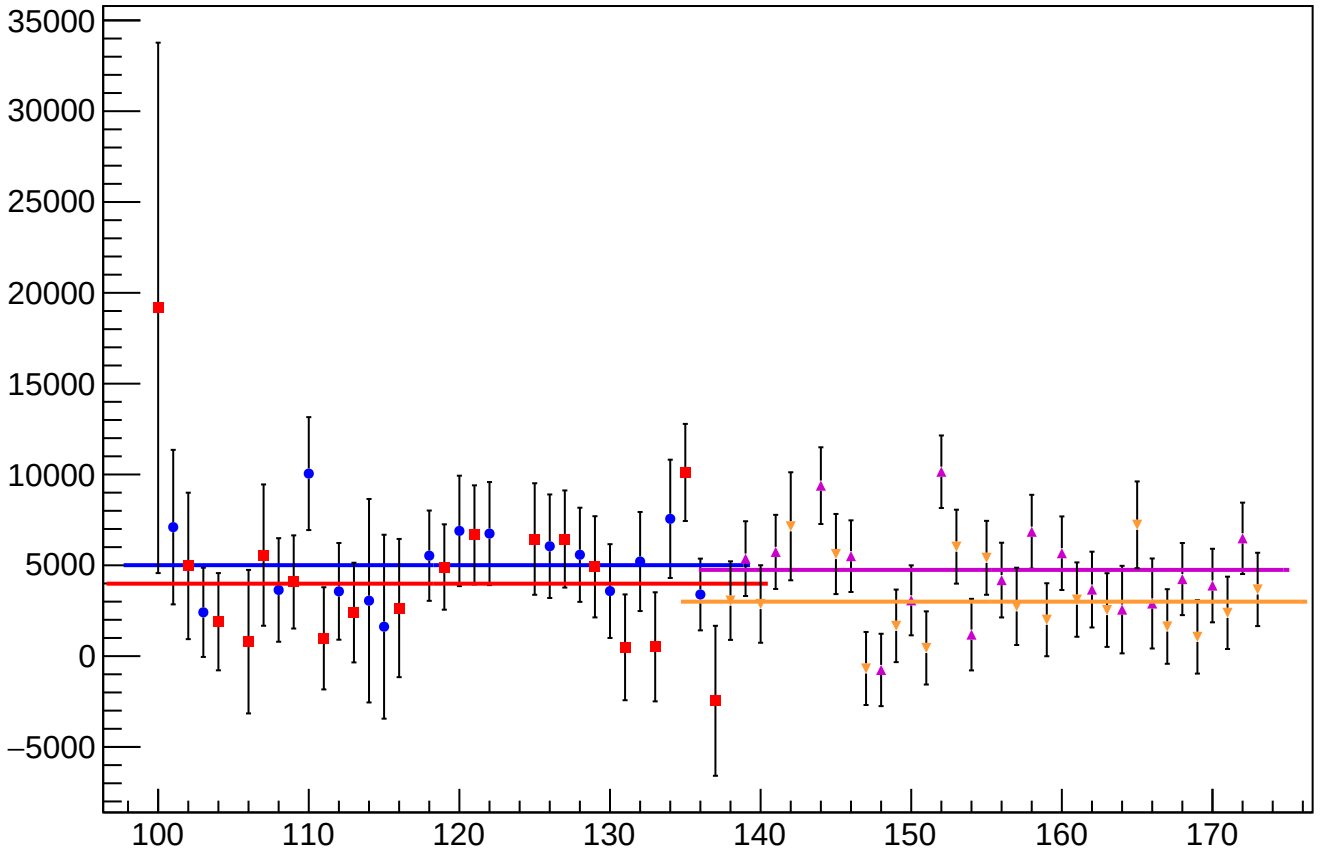
Left: 6387.320+/-0.867 χ^2/NDF: 1705639.7/34

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5738.657+/-0.907 χ^2/NDF:2226730.4/32

Out: 5402.572+/-0.860 χ^2/NDF:3155550.1/35

All: 5561.565+/-0.624 χ^2/NDF: 5454562.7/68



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2998.503+/-494.754 χ^2/NDF:17.4/17

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 4747.194+/-498.065 χ^2/NDF:28.3/16

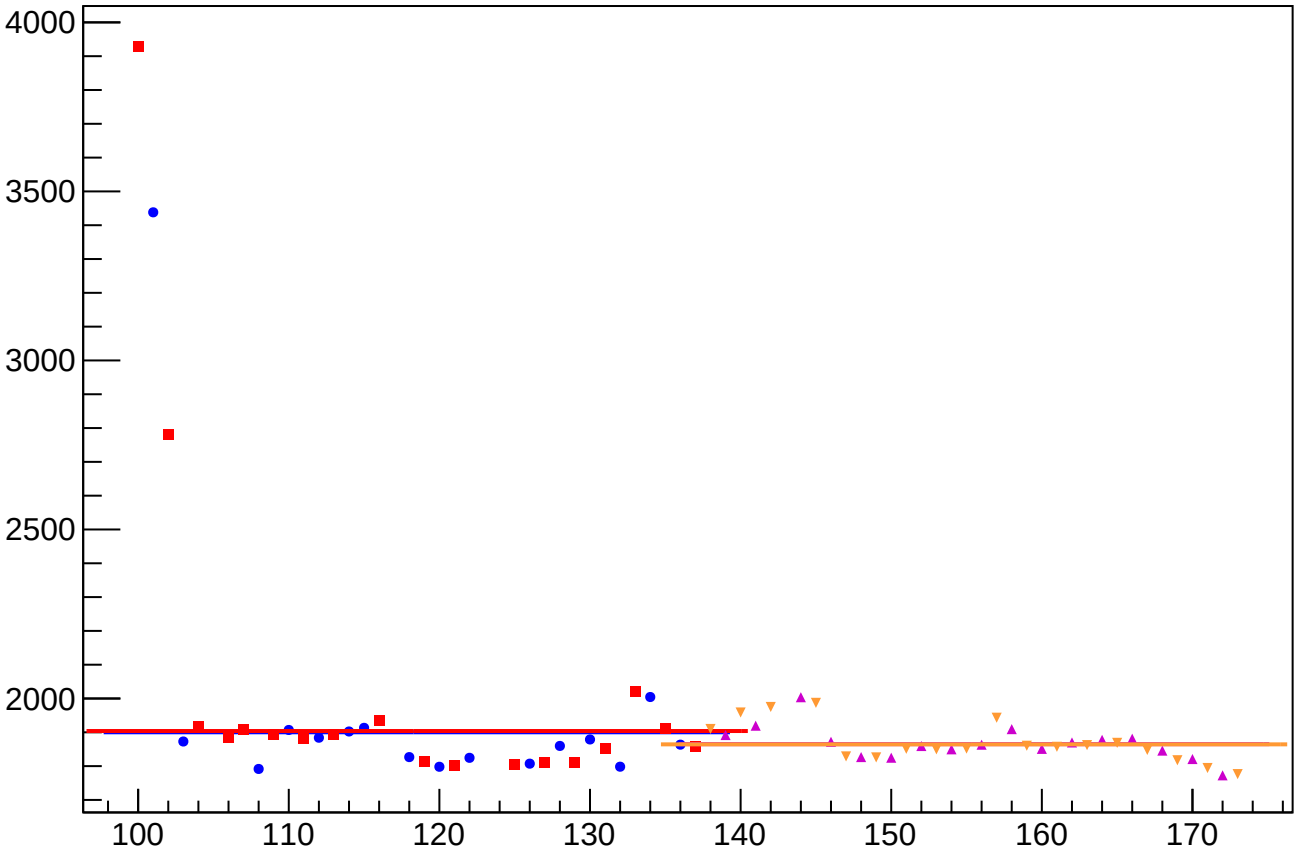
Left: 3867.017+/-351.009 χ^2/NDF: 51.9/34

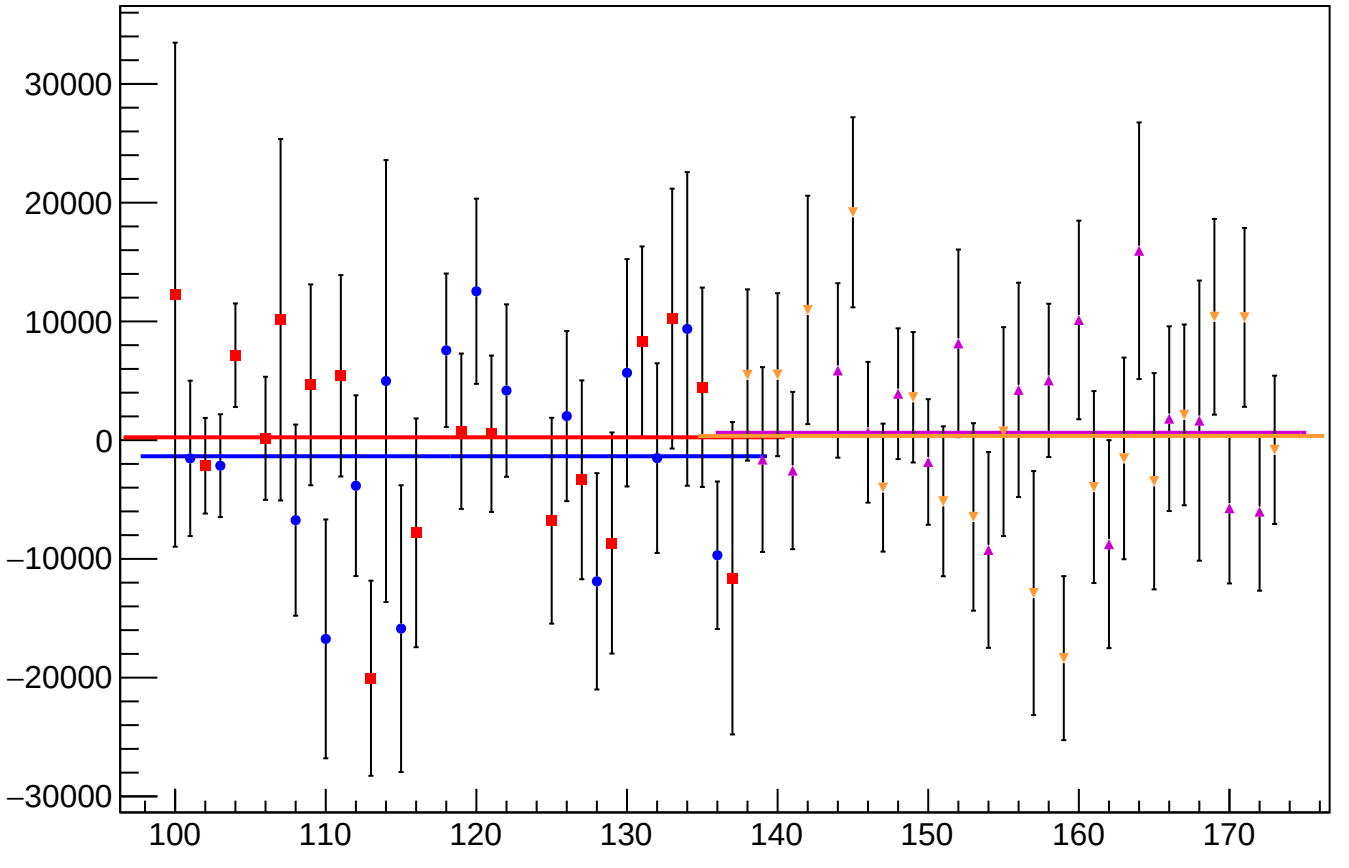
Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4832.328+/-408.508 χ^2/NDF:36.1/32

Out: 3316.841+/-407.586 χ^2/NDF:36.1/35

All: 4072.871+/-288.532 χ^2/NDF: 79.0/68


eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
170
Right In: 1900.111+/-0.505 χ²/NDF: 278448.5/15
Left Out: 1864.397+/-0.350 χ²/NDF:25663.8/17
Right Out: 1903.826+/-0.508 χ²/NDF: 150115.1/17
Left In: 1865.052+/-0.352 χ²/NDF:18915.9/16
Left: 1864.722+/-0.248 χ²/NDF: 44581.4/34
Right: 1901.958+/-0.358 χ²/NDF: 428590.5/33
In: 1876.527+/-0.289 χ²/NDF:300607.6/32
Out: 1877.085+/-0.288 χ²/NDF:179866.6/35
All: 1876.807+/-0.204 χ²/NDF: 480476.1/68



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 356.840+/-1726.619 χ^2/NDF:23.2/17

Right Out: 241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: 620.251+/-1743.287 χ^2/NDF:10.8/16

Left: 487.280+/-1226.755 χ^2/NDF: 34.0/34

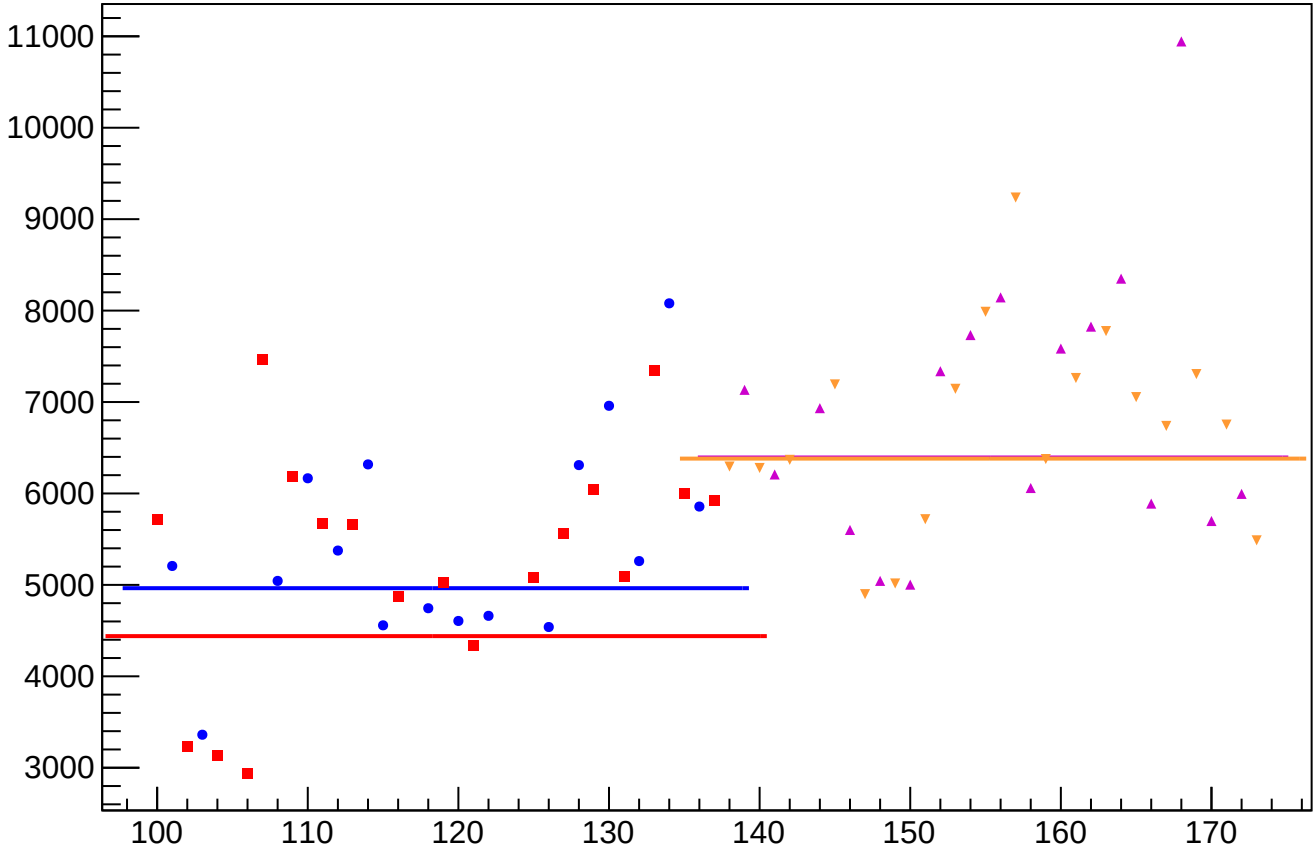
Right: -476.773+/-1270.924 χ^2/NDF: 30.8/33

In: -285.377+/-1283.283 χ^2/NDF:26.1/32

Out: 298.528+/-1215.945 χ^2/NDF:38.9/35

All: 22.297+/-882.649 χ^2/NDF: 65.2/68

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6381.212+/-1.221 χ^2/NDF:722363.8/17

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 6393.566+/-1.233 χ^2/NDF:983228.4/16

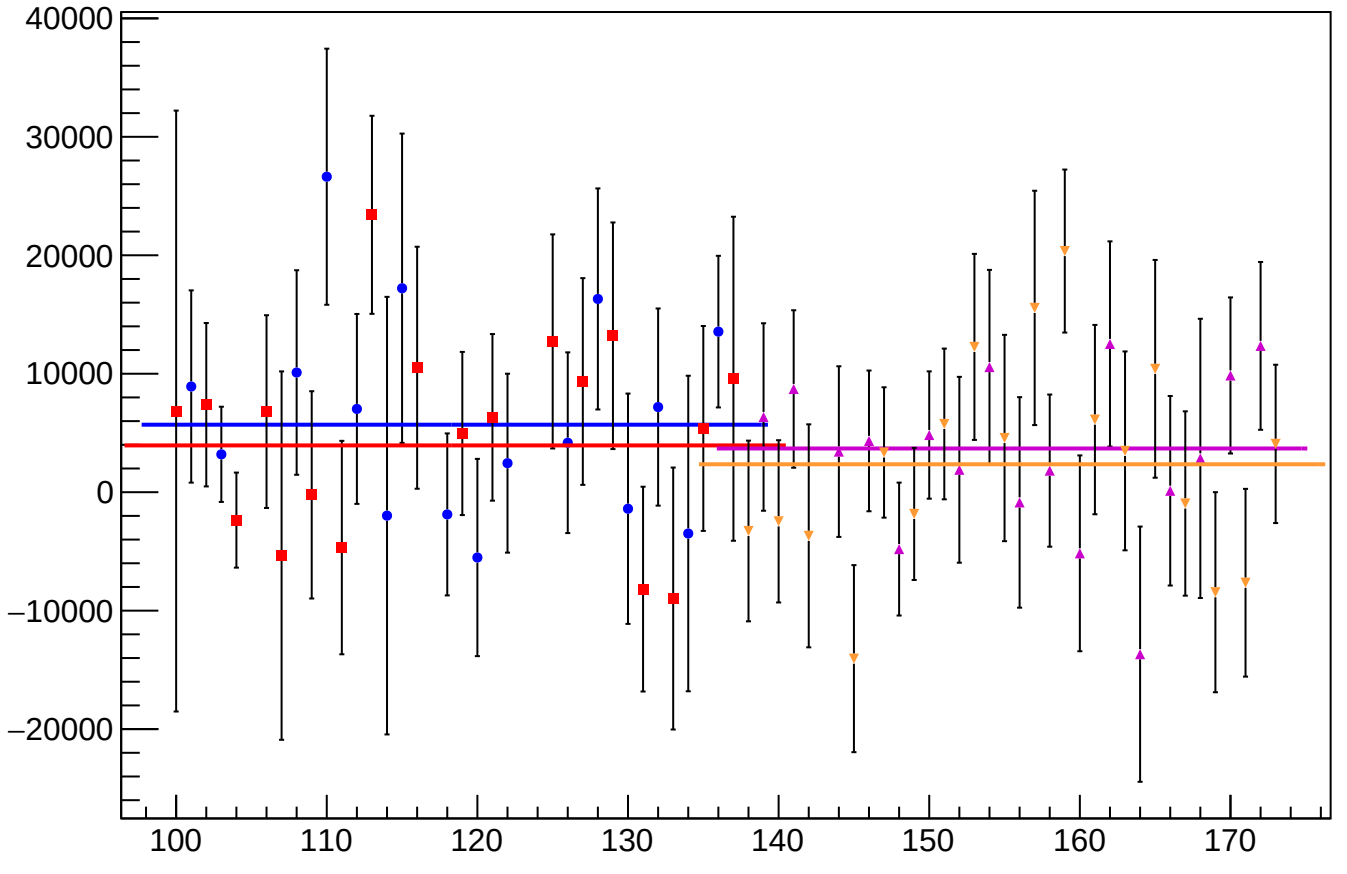
Left: 6387.330+/-0.867 χ^2/NDF: 1705642.9/34

Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5738.653+/-0.907 χ^2/NDF:2226755.0/32

Out: 5402.567+/-0.860 χ^2/NDF:3155580.8/35

All: 5561.561+/-0.624 χ^2/NDF: 5454618.5/68



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 2356.813+/-1748.780 χ^2/NDF:21.4/17

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 3690.352+/-1759.513 χ^2/NDF:11.5/16

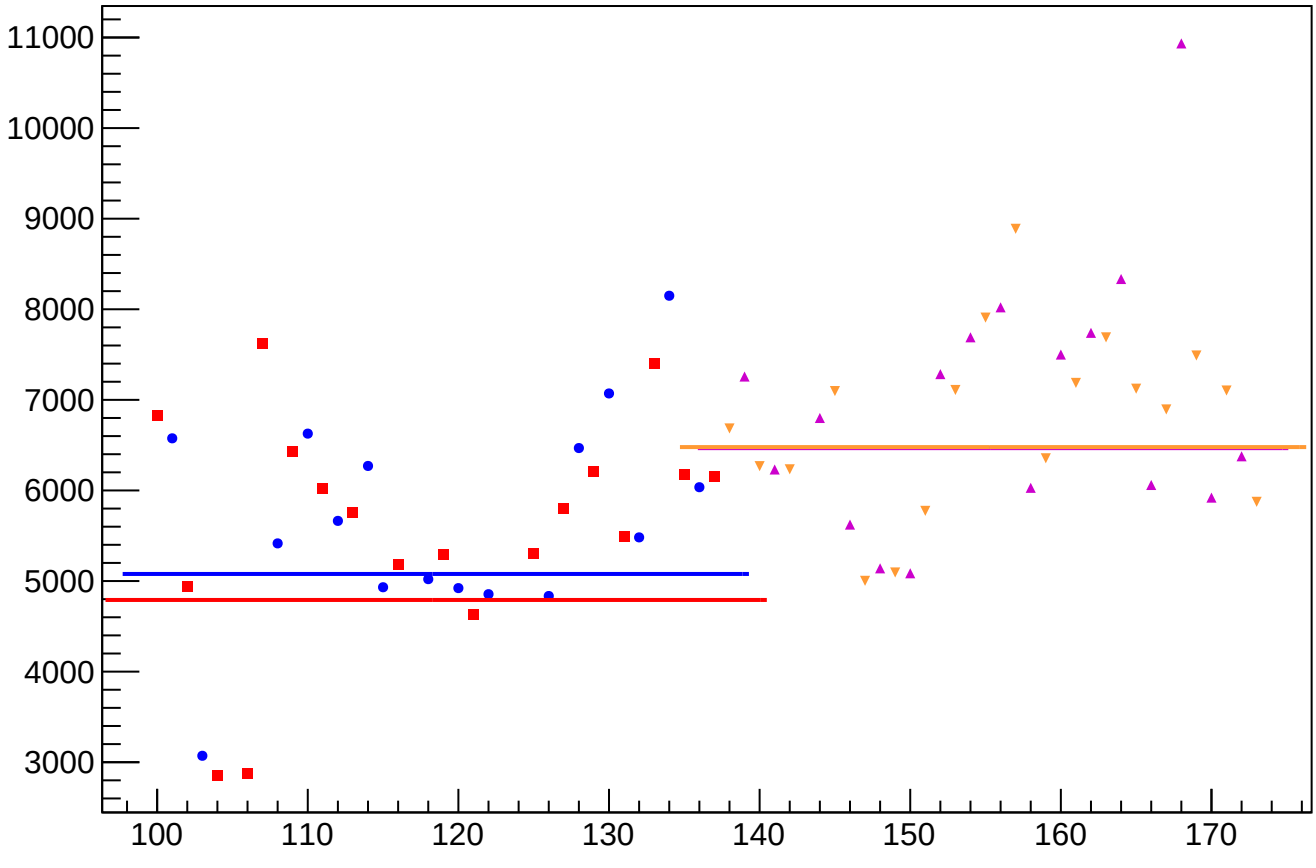
Left: 3019.503+/-1240.351 χ^2/NDF: 33.2/34

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 4586.323+/-1309.091 χ^2/NDF:24.7/32

Out: 3078.700+/-1293.055 χ^2/NDF:37.9/35

All: 3823.221+/-919.945 χ^2/NDF: 63.3/68



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6478.663+/-1.237 χ^2/NDF:625024.9/17

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6467.007+/-1.244 χ^2/NDF:888898.7/16

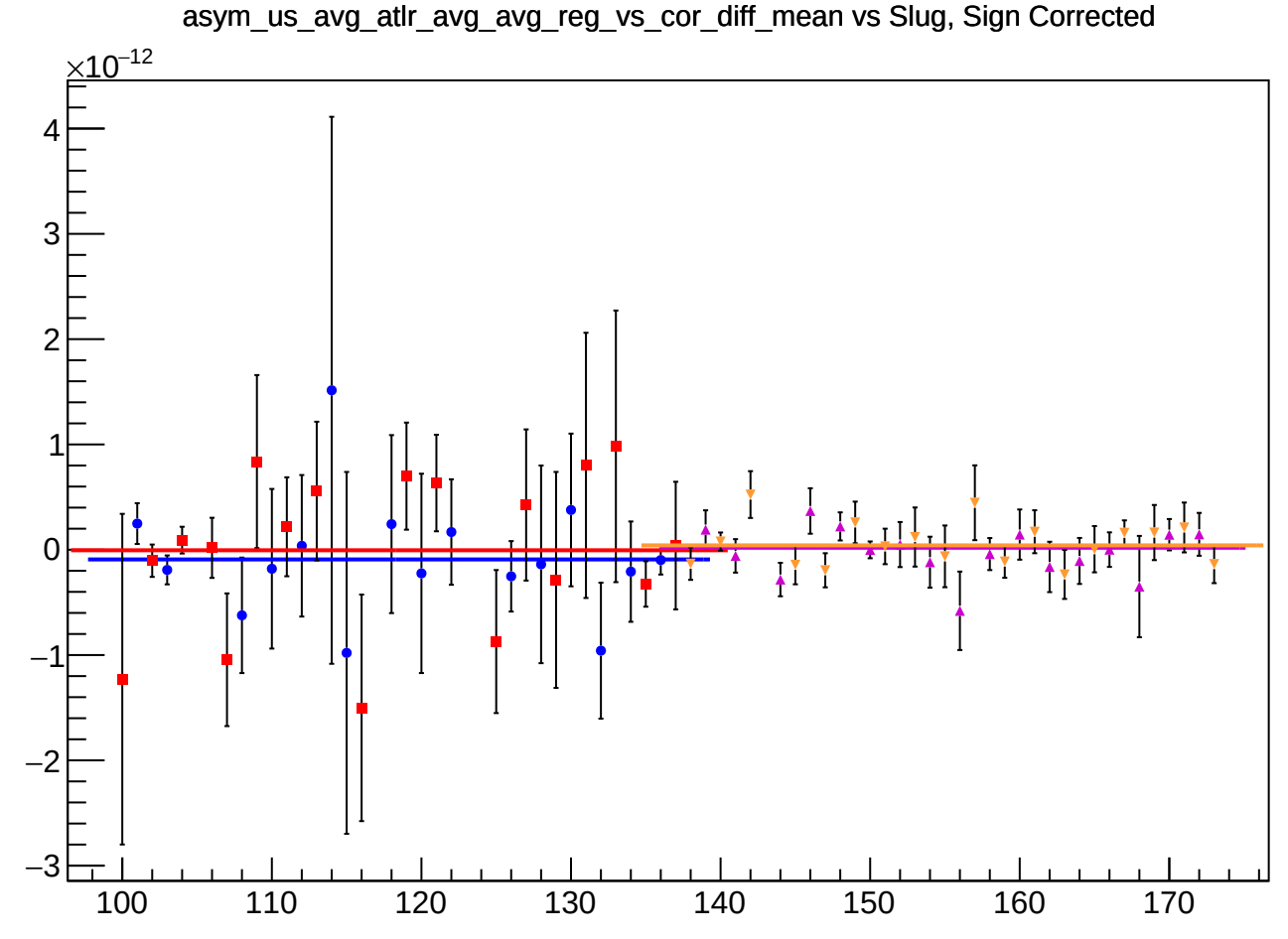
Left: 6472.870+/-0.877 χ^2/NDF: 1513967.8/34

Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5846.939+/-0.926 χ^2/NDF:2364447.3/32

Out: 5696.699+/-0.906 χ^2/NDF:2650443.9/35

All: 5770.194+/-0.647 χ^2/NDF: 5028347.8/68



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.6/17

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:15.7/16

Left: 0.000+/-0.000 χ^2/NDF: 33.4/34

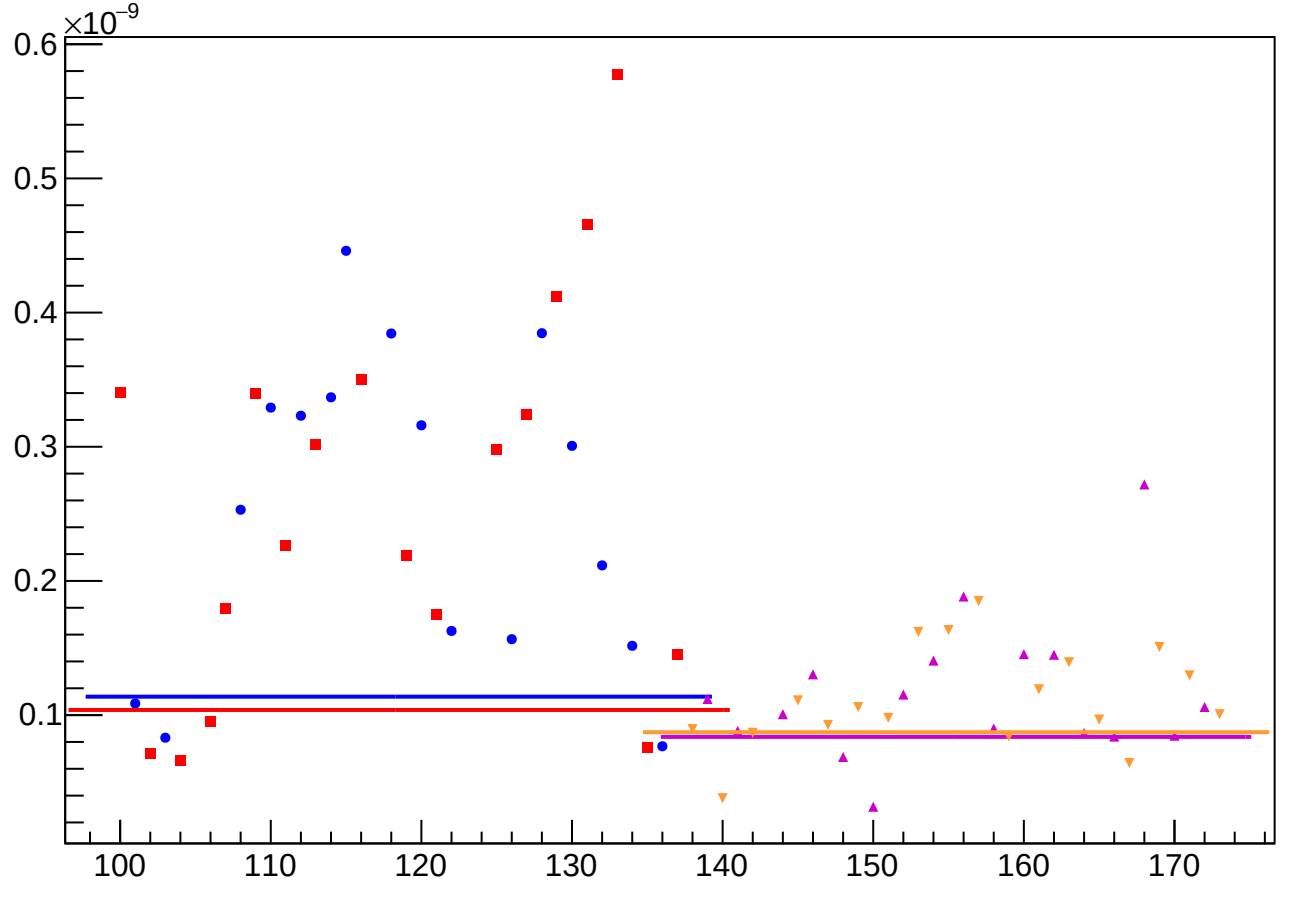
Right: -0.000+/-0.000 χ^2/NDF: 26.2/33

In: -0.000+/-0.000 χ^2/NDF:25.5/32

Out: 0.000+/-0.000 χ^2/NDF:35.2/35

All: 0.000+/-0.000 χ^2/NDF: 61.2/68

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:1570301.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1950730.6/16

Left: 0.000+/-0.000 χ^2/NDF: 3528384.3/34

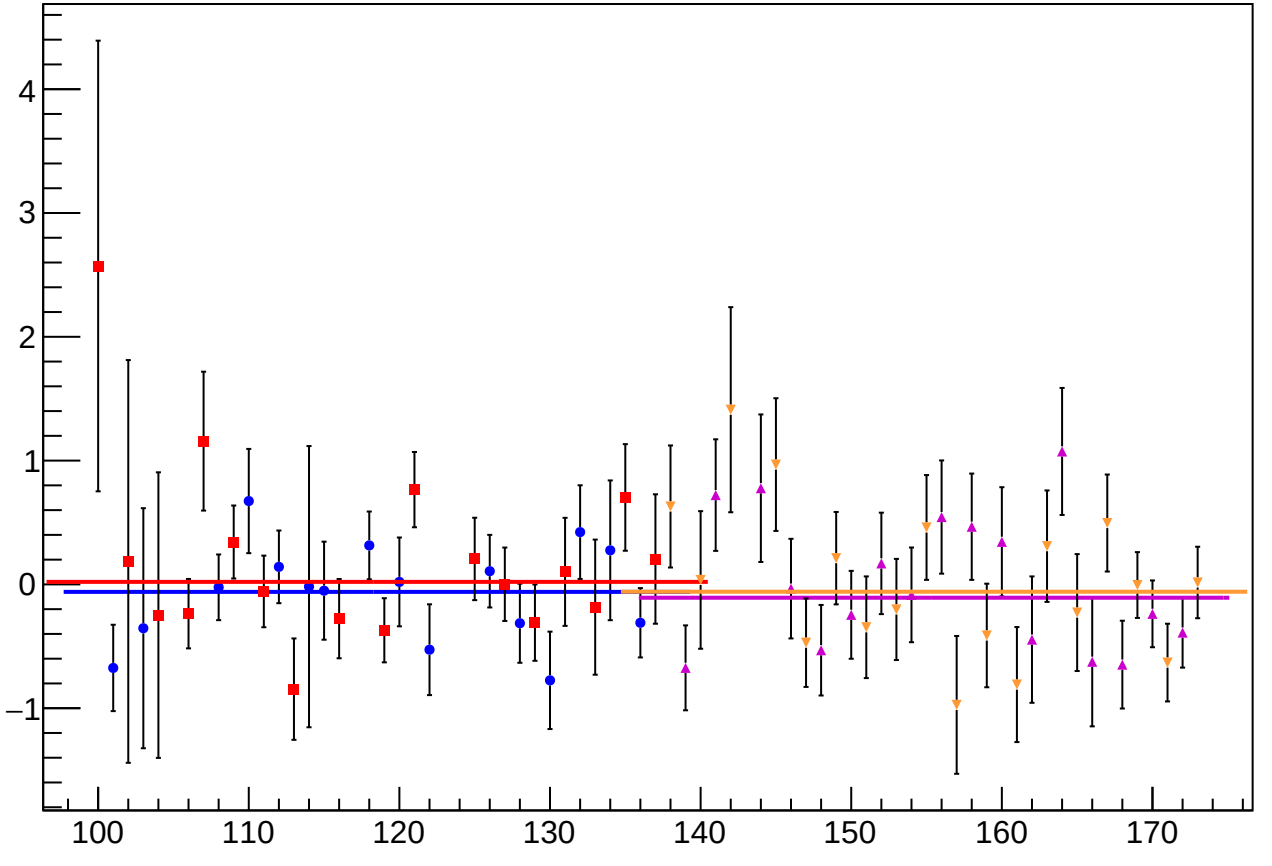
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:3708325.5/32

Out: 0.000+/-0.000 χ^2/NDF:3729833.1/35

All: 0.000+/-0.000 χ^2/NDF: 7438491.4/68

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: -0.059+/-0.095 χ^2/NDF:25.0/17

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.108+/-0.095 χ^2/NDF:25.4/16

Left: -0.083+/-0.067 χ^2/NDF: 50.6/34

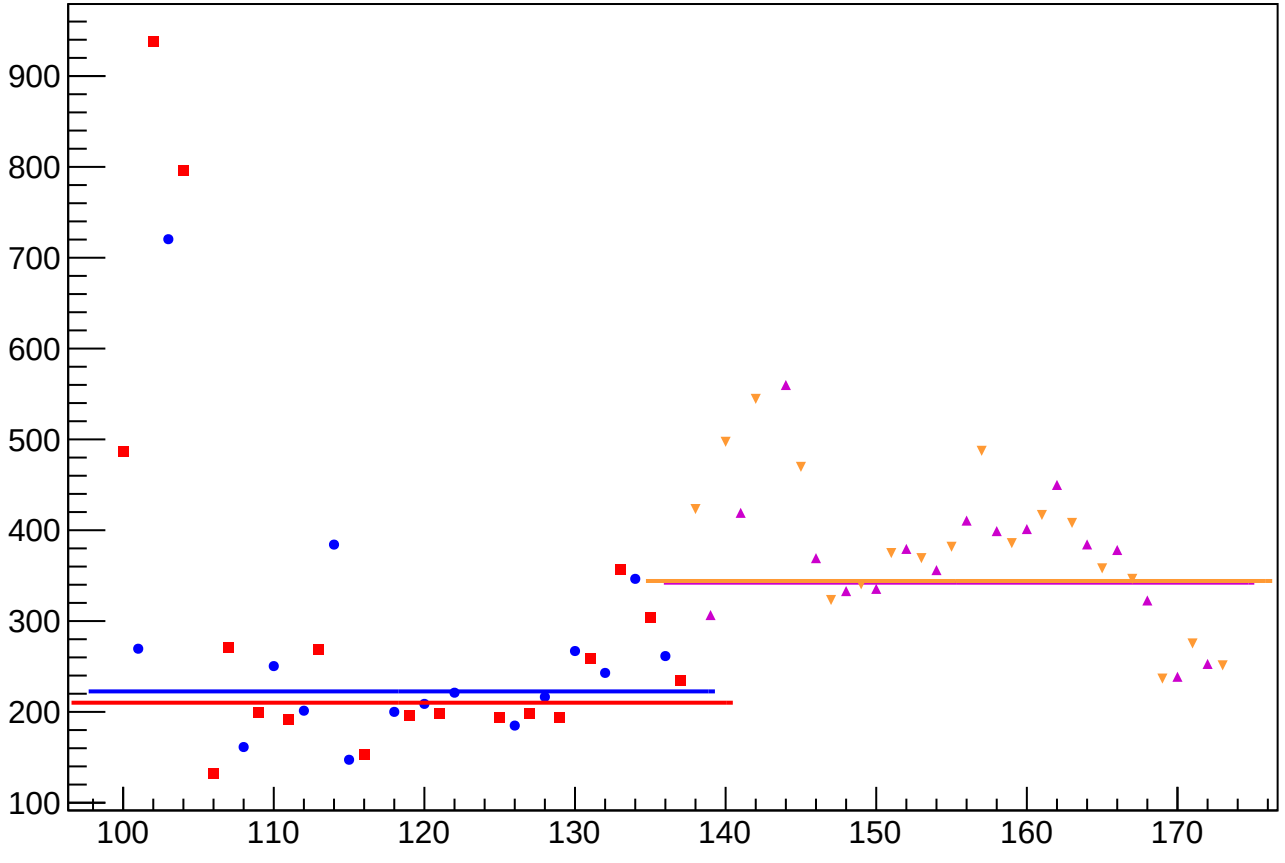
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.082+/-0.065 χ^2/NDF:42.9/32

Out: -0.016+/-0.064 χ^2/NDF:51.5/35

All: -0.049+/-0.046 χ^2/NDF: 94.9/68

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: 344.133+/-0.067 χ^2/NDF:1345680.6/17

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 342.250+/-0.067 χ^2/NDF:1104696.3/16

Left: 343.188+/-0.047 χ^2/NDF: 2450770.4/34

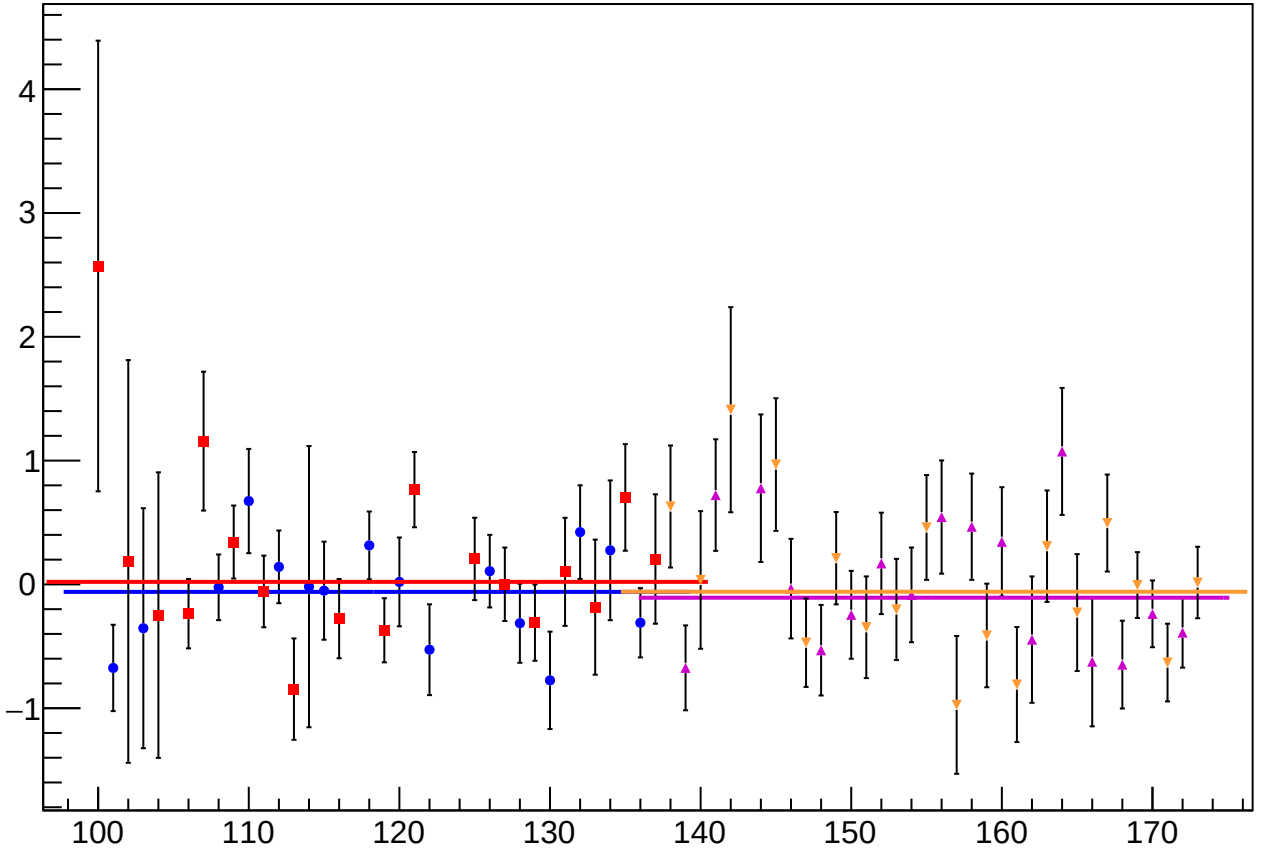
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 278.457+/-0.046 χ^2/NDF:3825392.9/32

Out: 271.524+/-0.046 χ^2/NDF:5047114.4/35

All: 274.970+/-0.032 χ^2/NDF: 8884046.0/68

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: -0.059+/-0.095 χ^2/NDF:25.0/17

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.108+/-0.095 χ^2/NDF:25.4/16

Left: -0.083+/-0.067 χ^2/NDF: 50.6/34

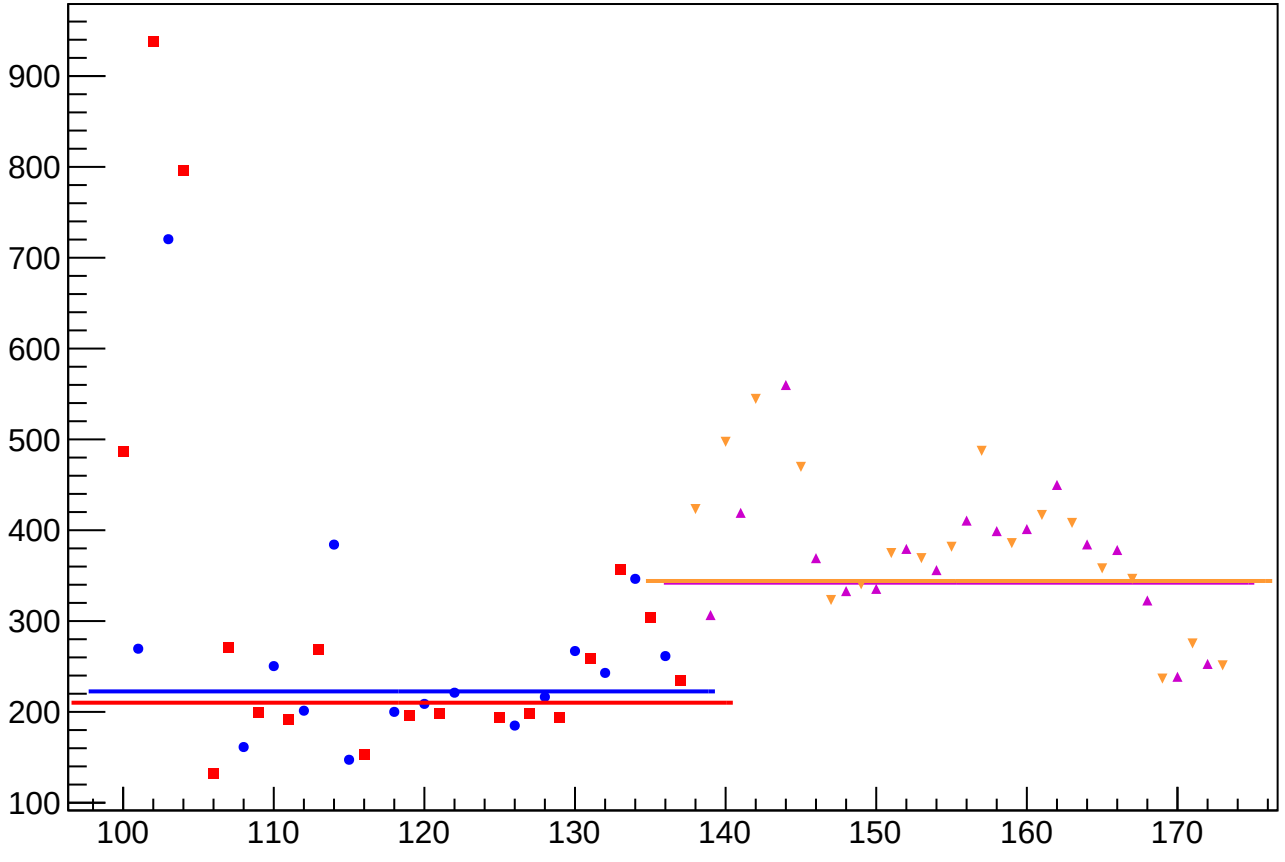
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.082+/-0.065 χ^2/NDF:42.9/32

Out: -0.016+/-0.064 χ^2/NDF:51.5/35

All: -0.049+/-0.046 χ^2/NDF: 94.9/68

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: 344.133+/-0.067 χ^2/NDF:1345680.6/17

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 342.250+/-0.067 χ^2/NDF:1104696.3/16

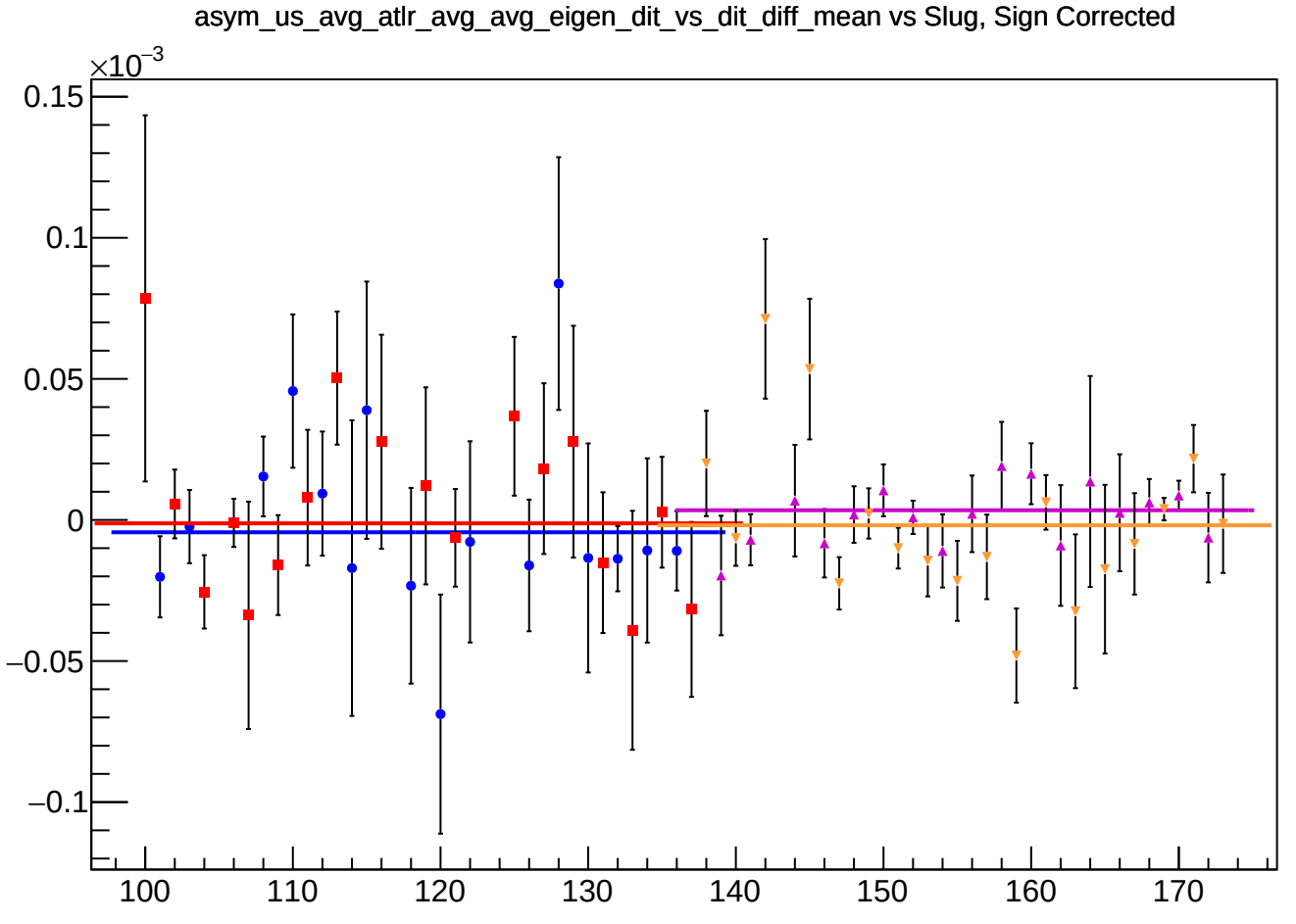
Left: 343.188+/-0.047 χ^2/NDF: 2450770.4/34

Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 278.457+/-0.046 χ^2/NDF:3825392.9/32

Out: 271.524+/-0.046 χ^2/NDF:5047114.4/35

All: 274.970+/-0.032 χ^2/NDF: 8884046.0/68



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.1/17

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:9.9/16

Left: 0.000+/-0.000 χ^2/NDF: 51.3/34

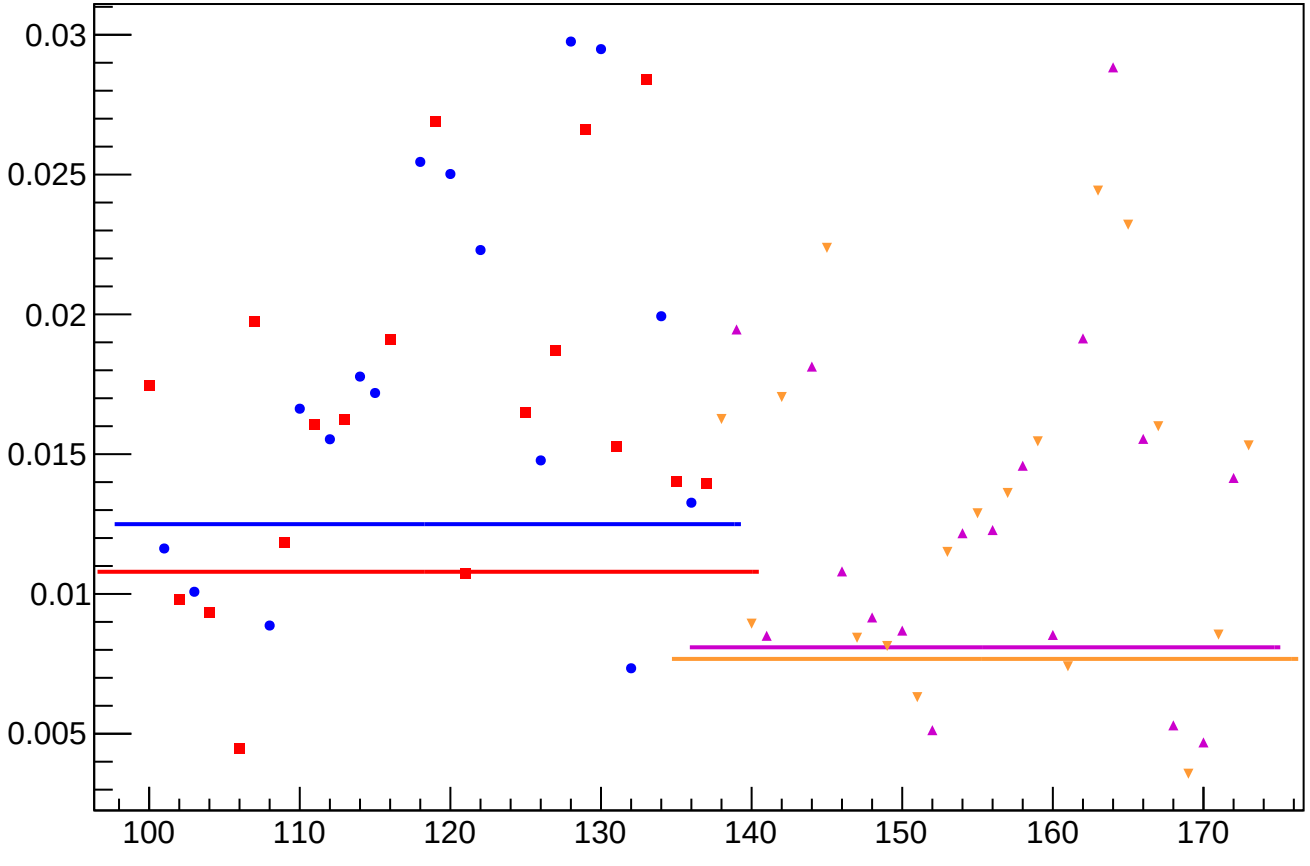
Right: -0.000+/-0.000 χ^2/NDF: 33.1/33

In: 0.000+/-0.000 χ^2/NDF:27.4/32

Out: -0.000+/-0.000 χ^2/NDF:56.3/35

All: 0.000+/-0.000 χ^2/NDF: 85.1/68

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:6916106.9/17

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.008+/-0.000 χ^2/NDF:5240477.0/16

Left: 0.008+/-0.000 χ^2/NDF: 12184770.7/34

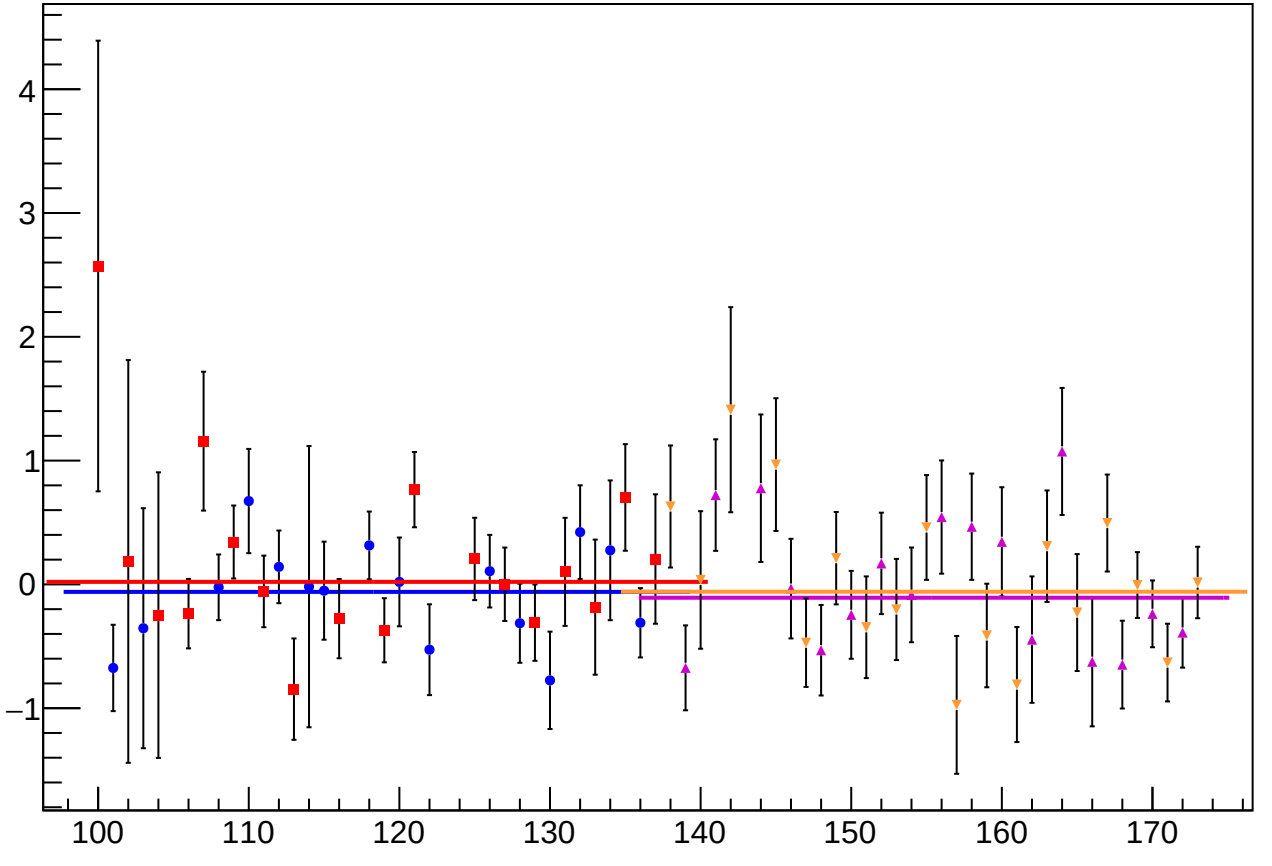
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.009+/-0.000 χ^2/NDF:8561548.7/32

Out: 0.008+/-0.000 χ^2/NDF:10624397.3/35

All: 0.009+/-0.000 χ^2/NDF: 19258522.3/68

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: -0.059+/-0.095 χ^2/NDF:25.0/17

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.108+/-0.095 χ^2/NDF:25.4/16

Left: -0.083+/-0.067 χ^2/NDF: 50.6/34

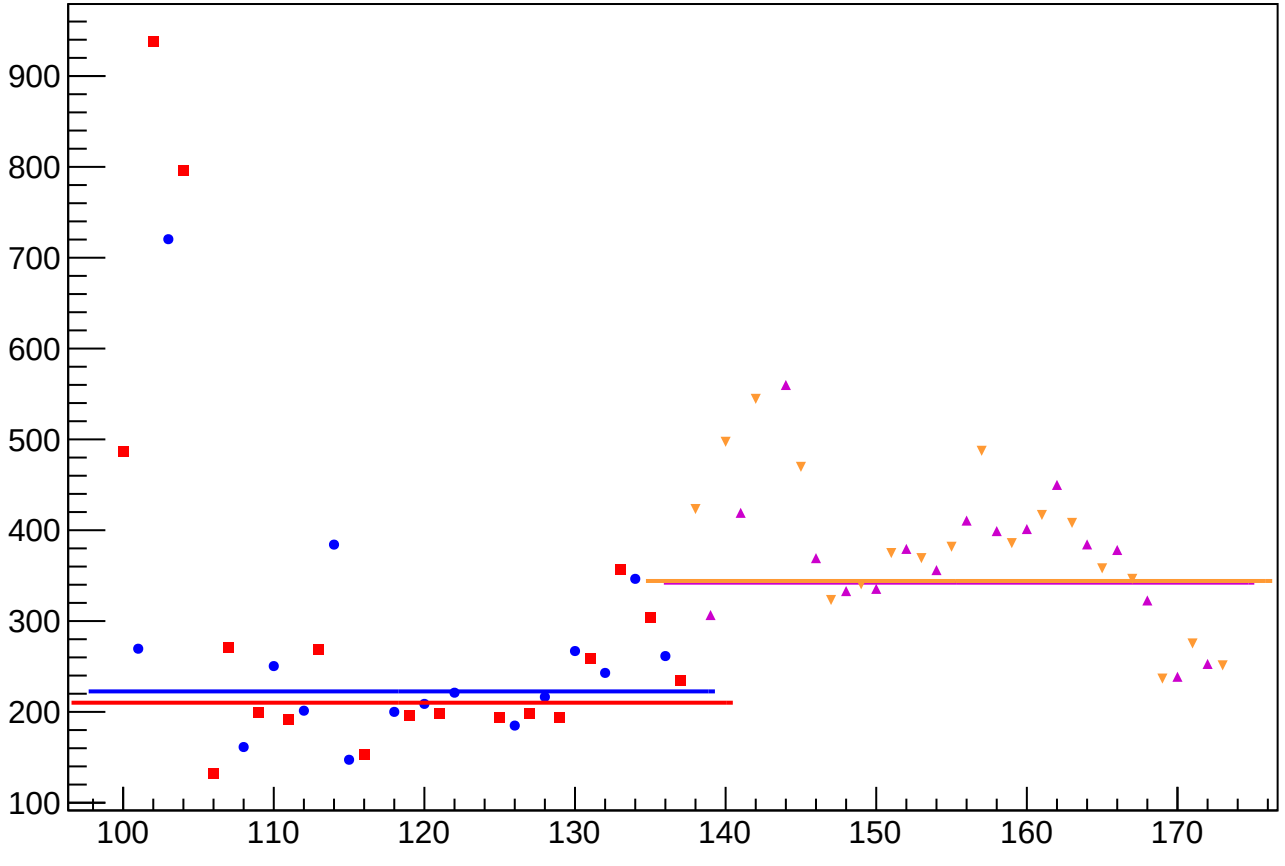
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.082+/-0.065 χ^2/NDF:42.9/32

Out: -0.016+/-0.064 χ^2/NDF:51.5/35

All: -0.049+/-0.046 χ^2/NDF: 94.9/68

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: 344.133+/-0.067 χ^2/NDF:1345850.6/17

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 342.253+/-0.067 χ^2/NDF:1104799.8/16

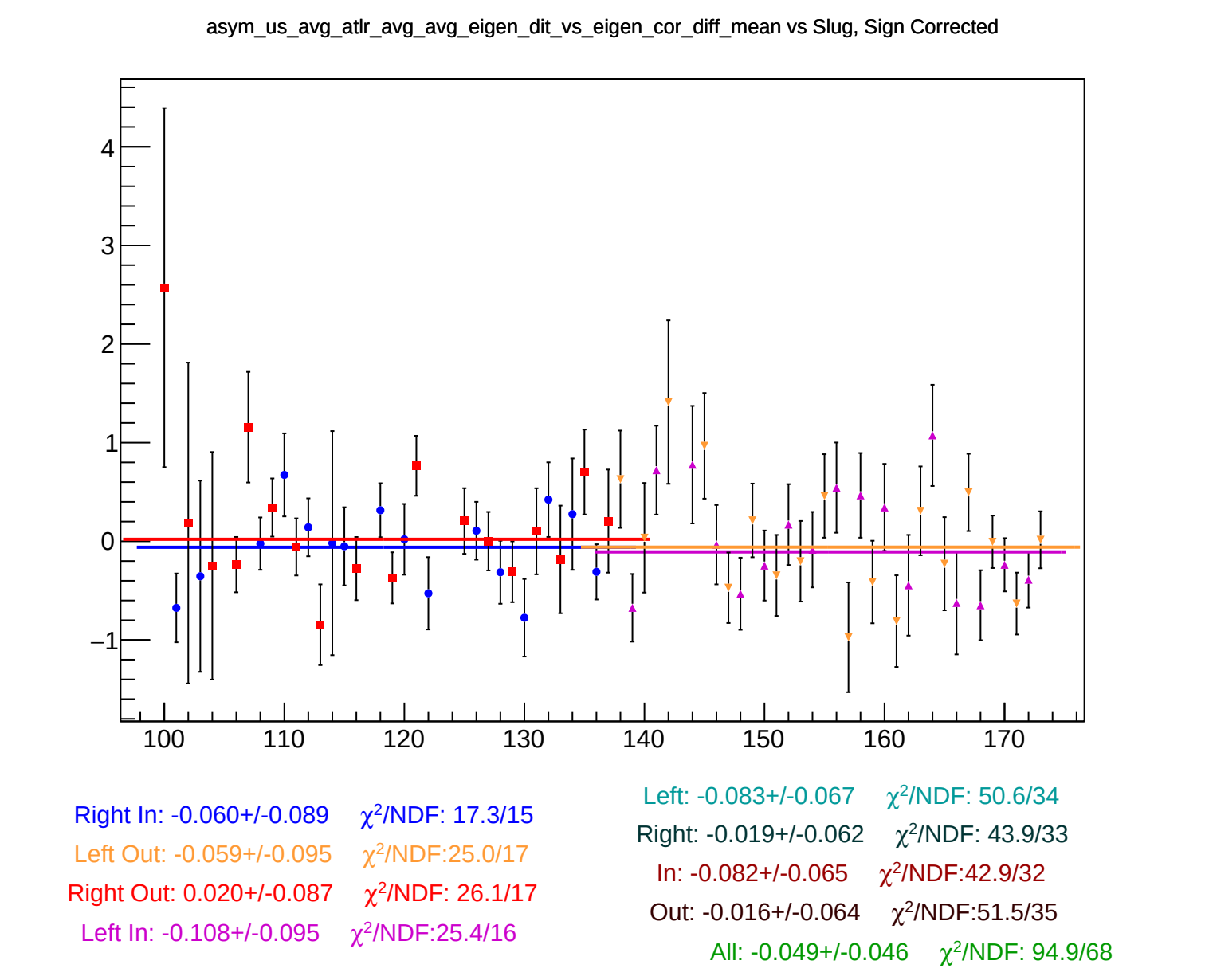
Left: 343.189+/-0.047 χ^2/NDF: 2451042.9/34

Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

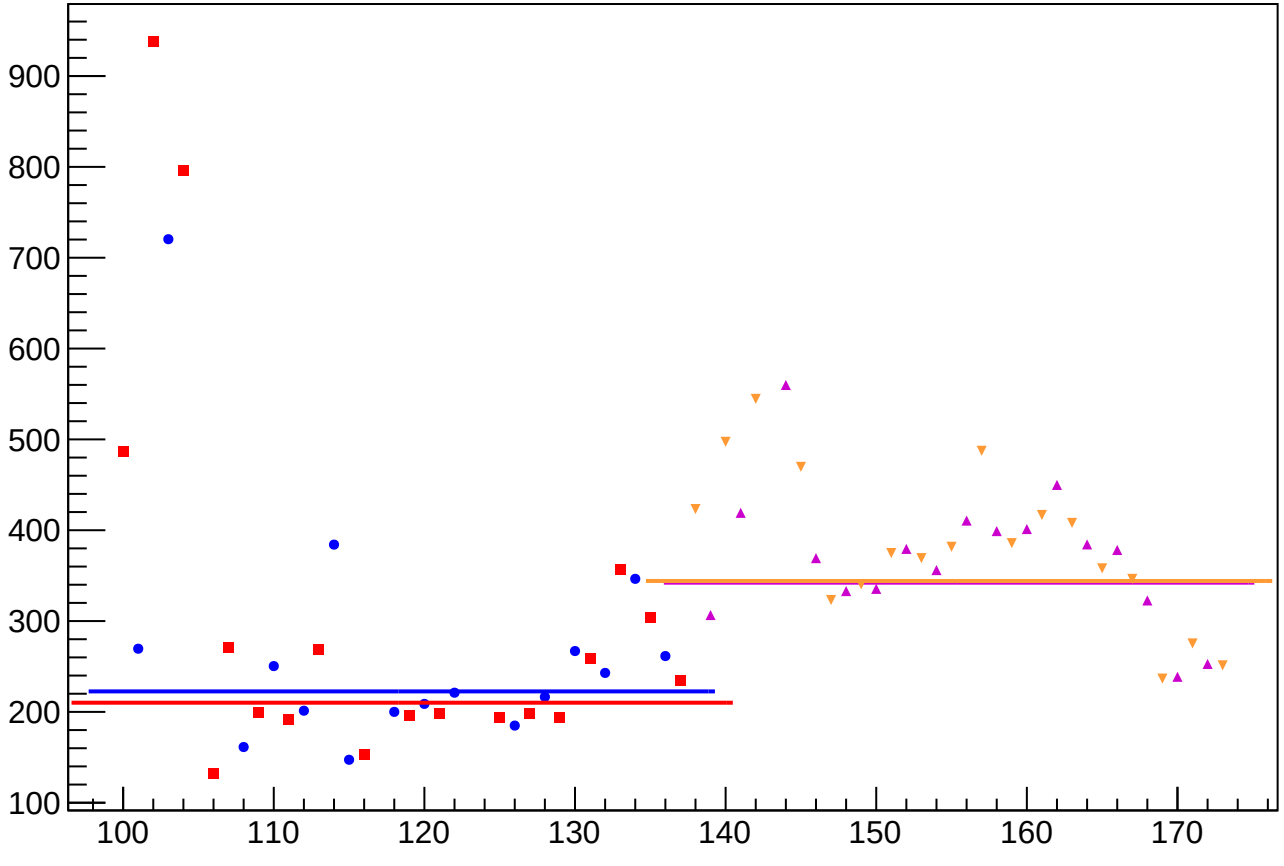
In: 278.456+/-0.046 χ^2/NDF:3825596.1/32

Out: 271.521+/-0.046 χ^2/NDF:5047368.0/35

All: 274.968+/-0.032 χ^2/NDF: 8884508.2/68


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: -0.060+/-0.089 χ²/NDF: 17.3/15
Left Out: -0.059+/-0.095 χ²/NDF:25.0/17
Right Out: 0.020+/-0.087 χ²/NDF: 26.1/17
Left In: -0.108+/-0.095 χ²/NDF:25.4/16
Left: -0.083+/-0.067 χ²/NDF: 50.6/34
Right: -0.019+/-0.062 χ²/NDF: 43.9/33
In: -0.082+/-0.065 χ²/NDF:42.9/32
Out: -0.016+/-0.064 χ²/NDF:51.5/35
All: -0.049+/-0.046 χ²/NDF: 94.9/68

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: 344.133+/-0.067 χ^2/NDF:1345850.6/17

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 342.253+/-0.067 χ^2/NDF:1104799.8/16

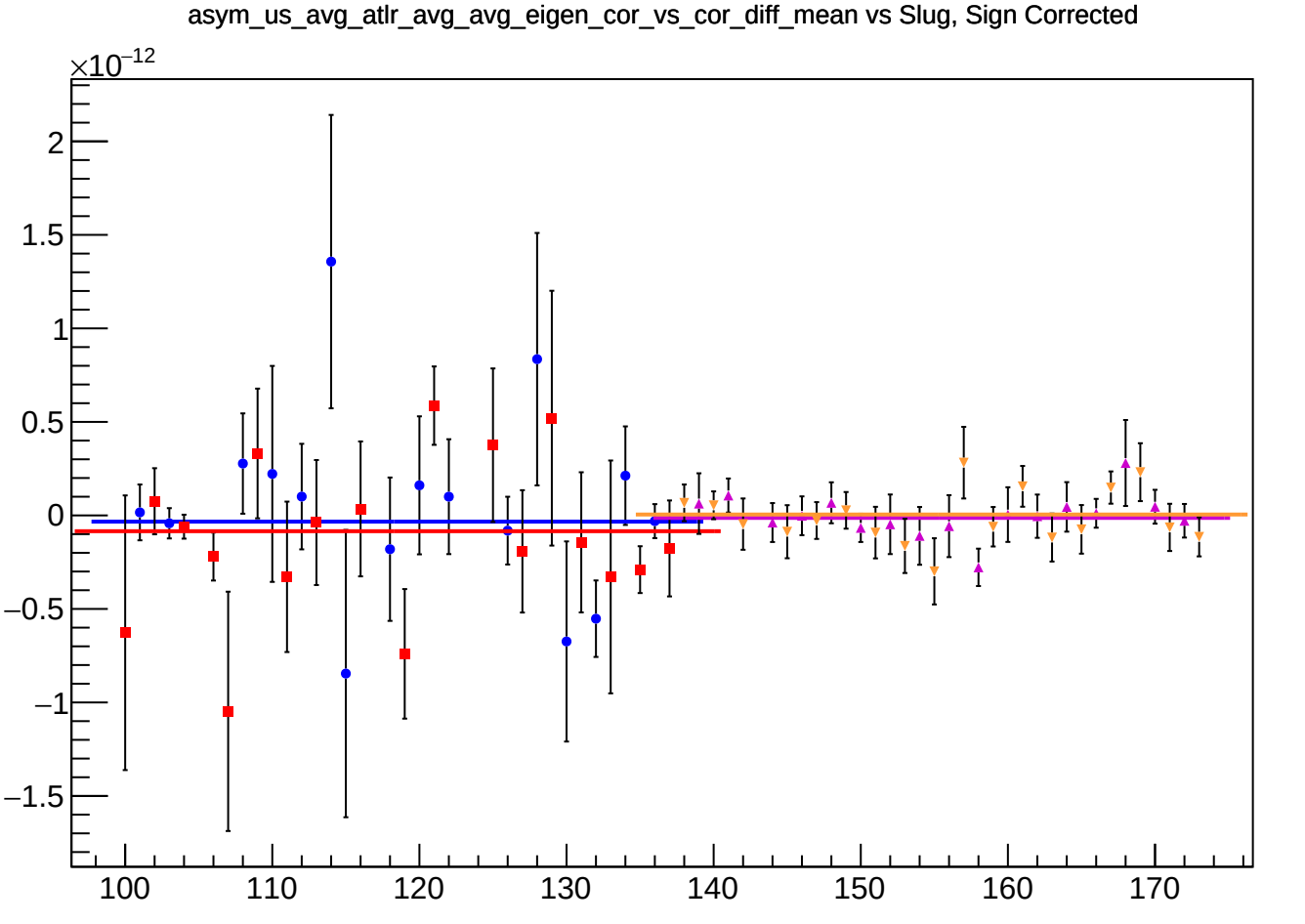
Left: 343.189+/-0.047 χ^2/NDF: 2451042.9/34

Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 278.456+/-0.046 χ^2/NDF:3825596.1/32

Out: 271.521+/-0.046 χ^2/NDF:5047368.0/35

All: 274.968+/-0.032 χ^2/NDF: 8884508.2/68



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.6/17

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: -0.000+/-0.000 χ^2/NDF:13.0/16

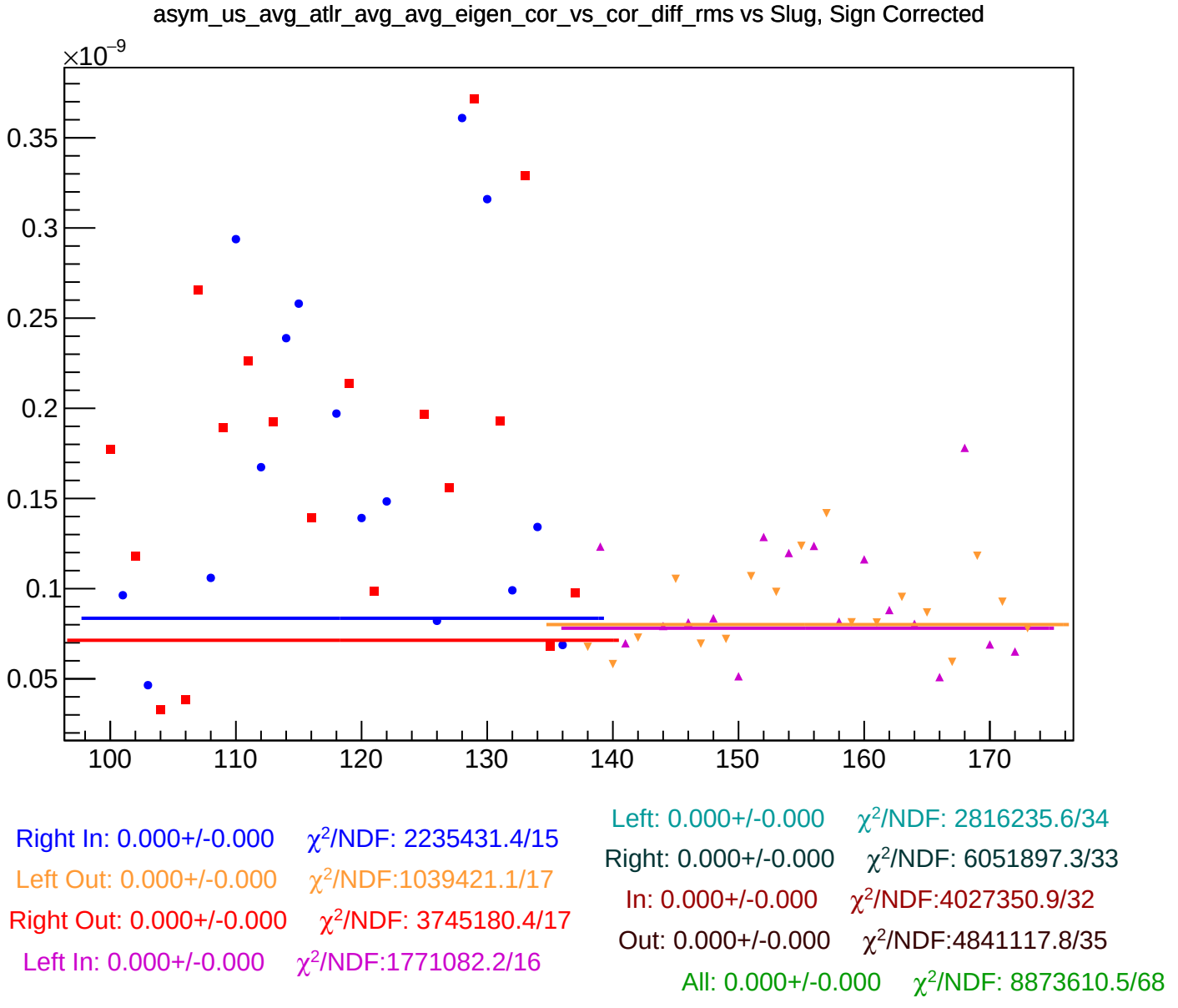
Left: -0.000+/-0.000 χ^2/NDF: 31.8/34

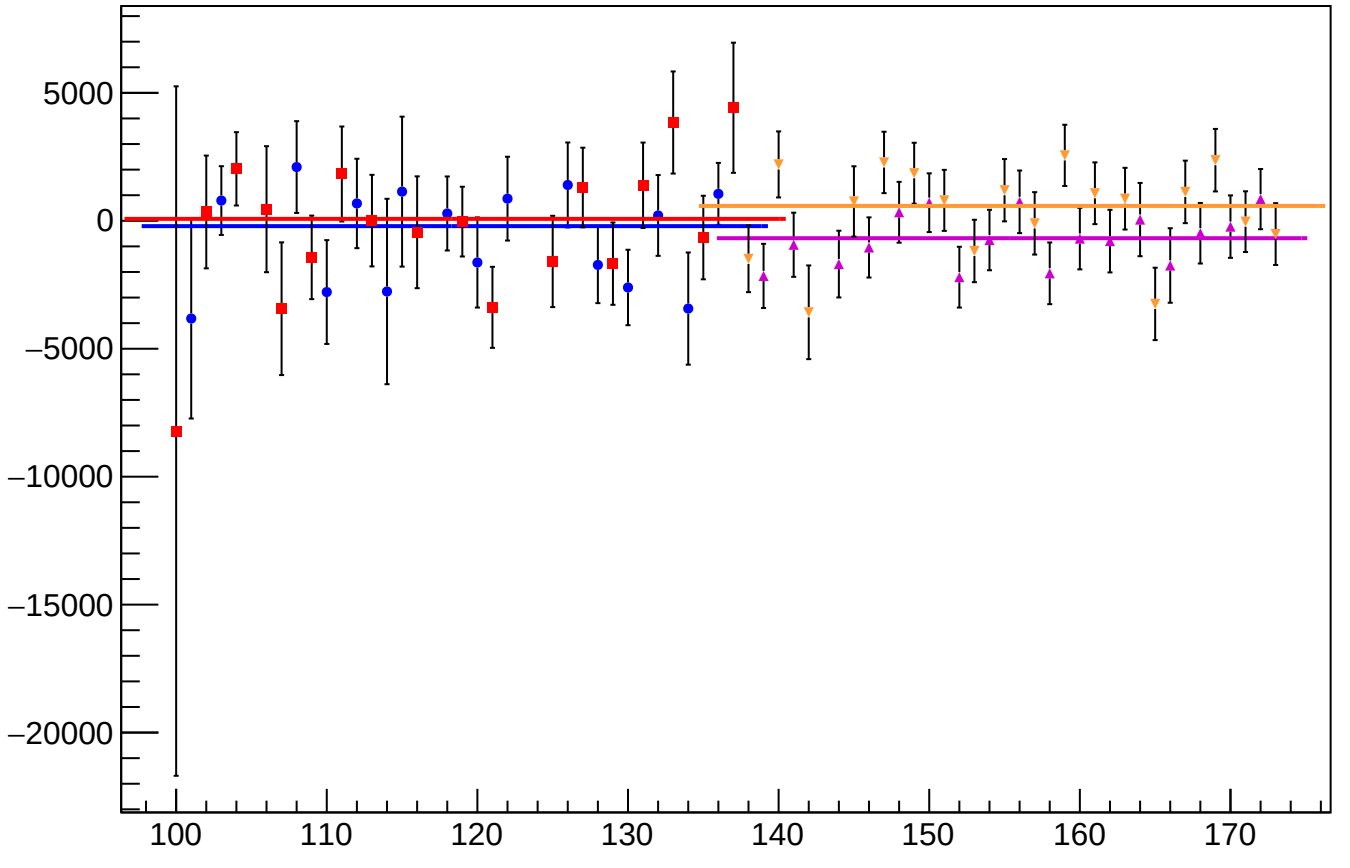
Right: -0.000+/-0.000 χ^2/NDF: 43.7/33

In: -0.000+/-0.000 χ^2/NDF:30.3/32

Out: -0.000+/-0.000 χ^2/NDF:47.3/35

All: -0.000+/-0.000 χ^2/NDF: 77.7/68


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
170
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1039421.1/17
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:1771082.2/16
Left: 0.000+/-0.000 χ²/NDF: 2816235.6/34
Right: 0.000+/-0.000 χ²/NDF: 6051897.3/33
In: 0.000+/-0.000 χ²/NDF:4027350.9/32
Out: 0.000+/-0.000 χ²/NDF:4841117.8/35
All: 0.000+/-0.000 χ²/NDF: 8873610.5/68



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 581.158+/-295.530 χ^2/NDF:28.8/17

Right Out: 75.616+/-430.760 χ^2/NDF: 20.7/17

Left In: -680.089+/-298.051 χ^2/NDF:11.3/16

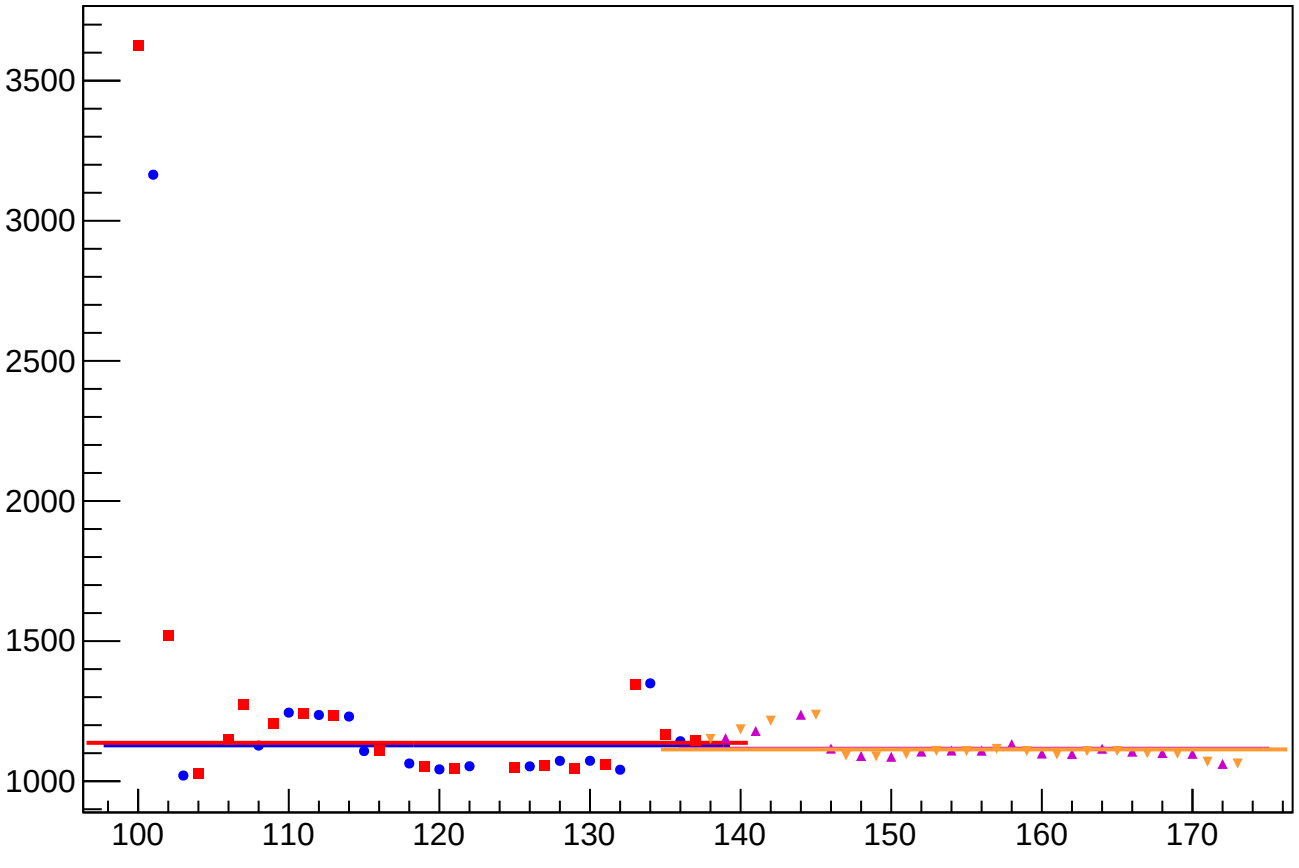
Left: -44.109+/-209.857 χ^2/NDF: 49.1/34

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -526.585+/-244.803 χ^2/NDF:26.8/32

Out: 419.361+/-243.692 χ^2/NDF:50.4/35

All: -51.461+/-172.708 χ^2/NDF: 84.8/68



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1113.516+/-0.209 χ^2/NDF:39693.6/17

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1115.894+/-0.211 χ^2/NDF:33061.3/16

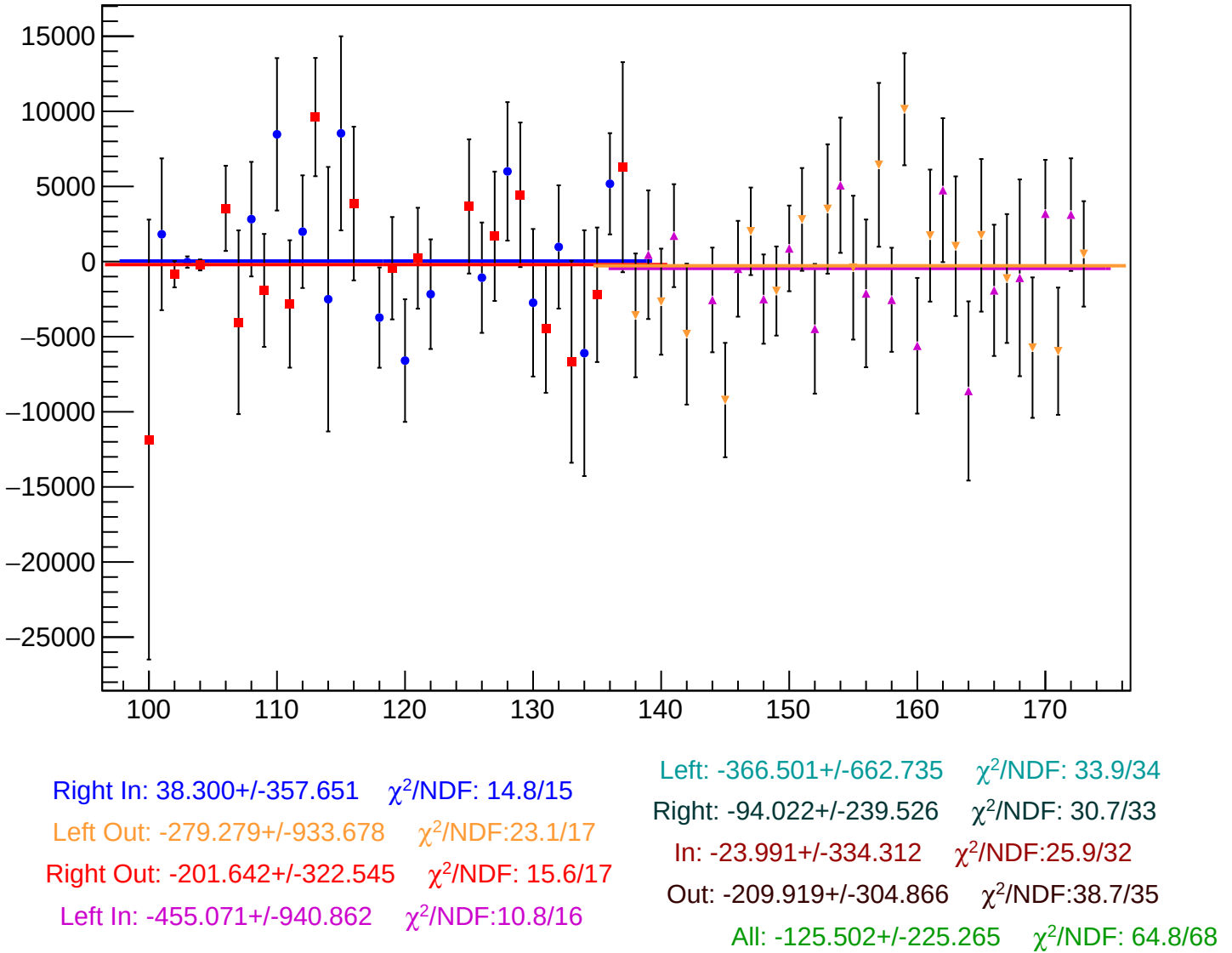
Left: 1114.695+/-0.148 χ^2/NDF: 72819.1/34

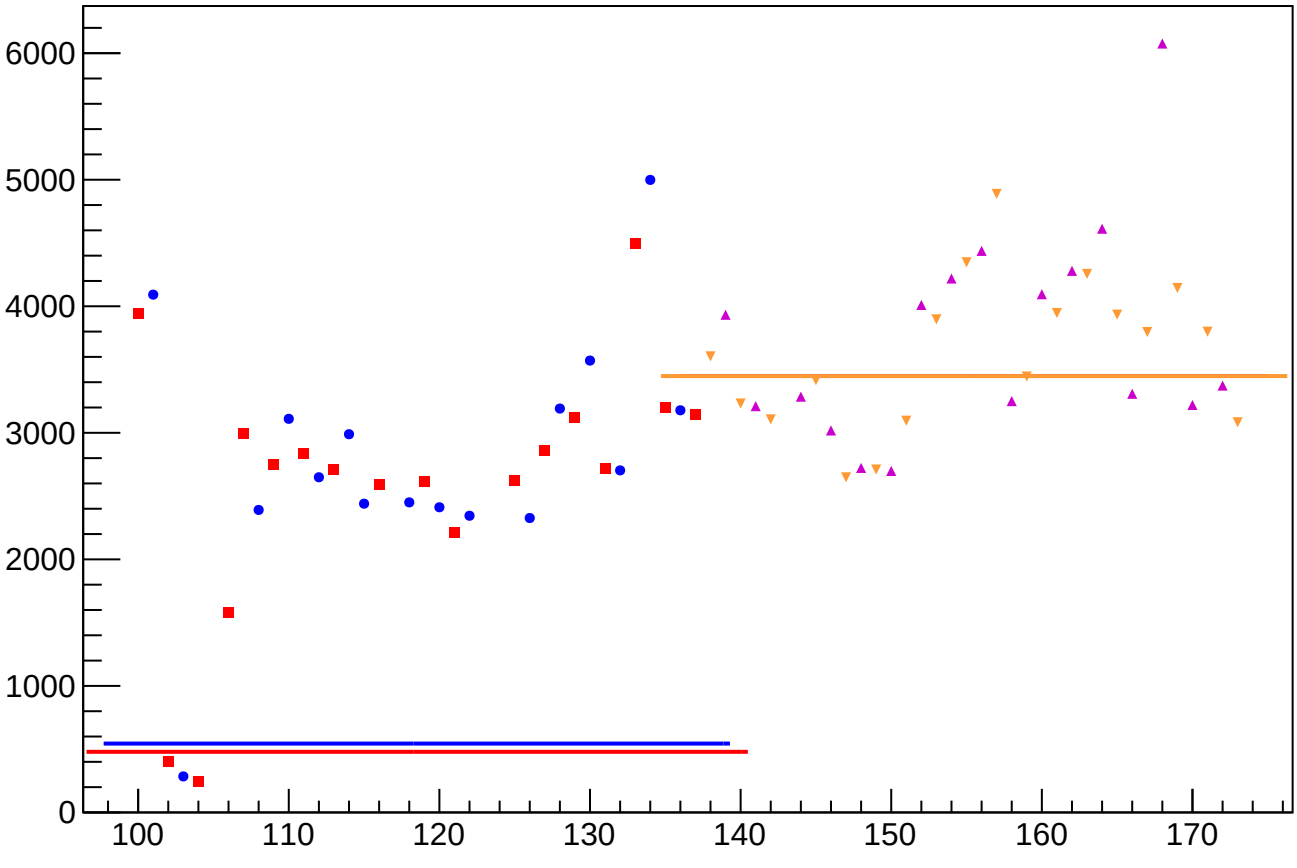
Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1119.836+/-0.173 χ^2/NDF:655530.7/32

Out: 1121.064+/-0.172 χ^2/NDF:263845.7/35

All: 1120.453+/-0.122 χ^2/NDF: 919401.7/68


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
170
Right In: 38.300+/-357.651 χ²/NDF: 14.8/15
Left Out: -279.279+/-933.678 χ²/NDF:23.1/17
Right Out: -201.642+/-322.545 χ²/NDF: 15.6/17
Left In: -455.071+/-940.862 χ²/NDF:10.8/16
Left: -366.501+/-662.735 χ²/NDF: 33.9/34
Right: -94.022+/-239.526 χ²/NDF: 30.7/33
In: -23.991+/-334.312 χ²/NDF:25.9/32
Out: -209.919+/-304.866 χ²/NDF:38.7/35
All: -125.502+/-225.265 χ²/NDF: 64.8/68



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3448.382+/-0.660 χ^2/NDF:745899.5/17

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3448.797+/-0.665 χ^2/NDF:1023824.5/16

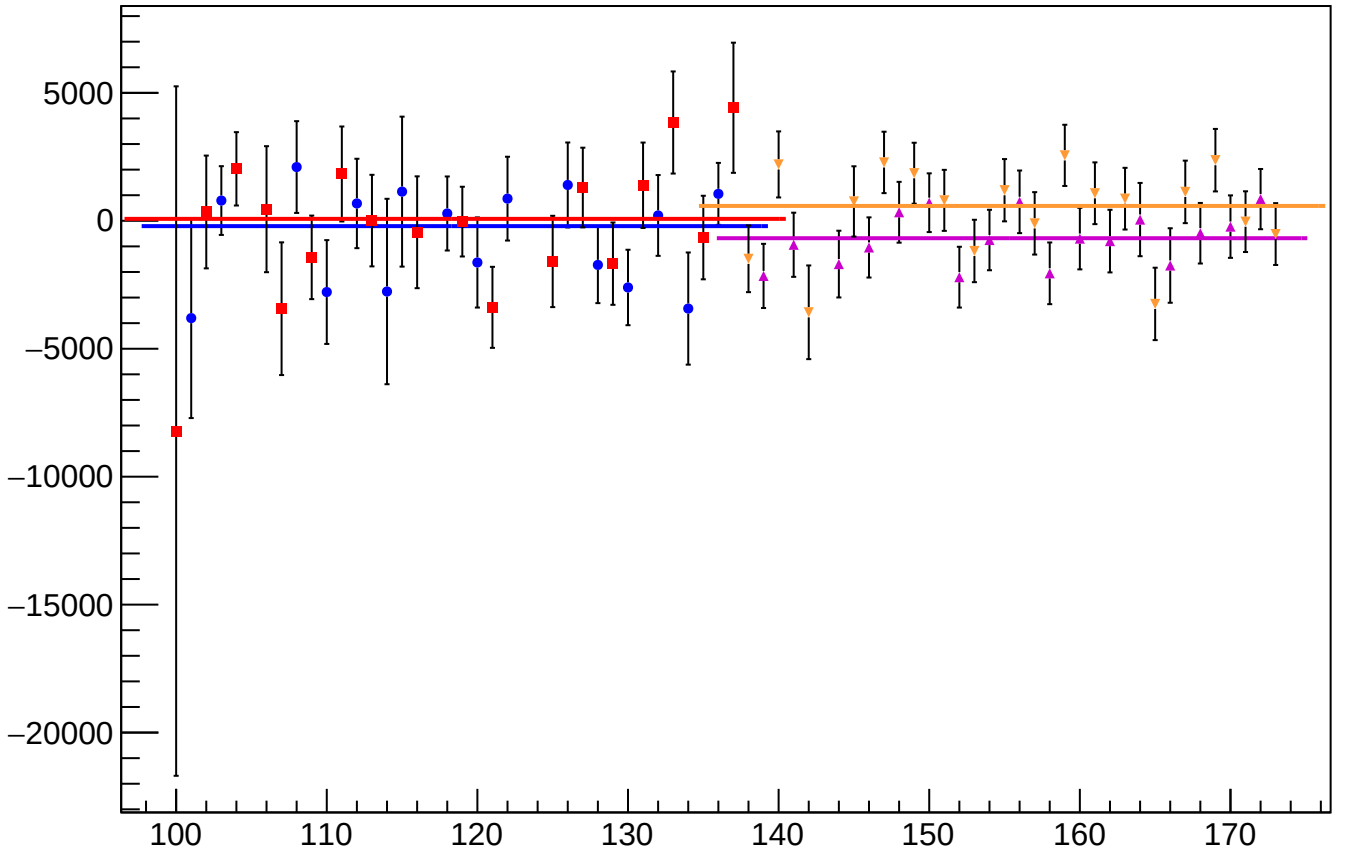
Left: 3448.588+/-0.469 χ^2/NDF: 1769724.2/34

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 911.042+/-0.236 χ^2/NDF:27359838.8/32

Out: 795.810+/-0.216 χ^2/NDF:28002786.5/35

All: 848.129+/-0.159 χ^2/NDF: 55492353.6/68



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 581.224+/-295.530 χ^2/NDF:28.8/17

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -680.081+/-298.051 χ^2/NDF:11.3/16

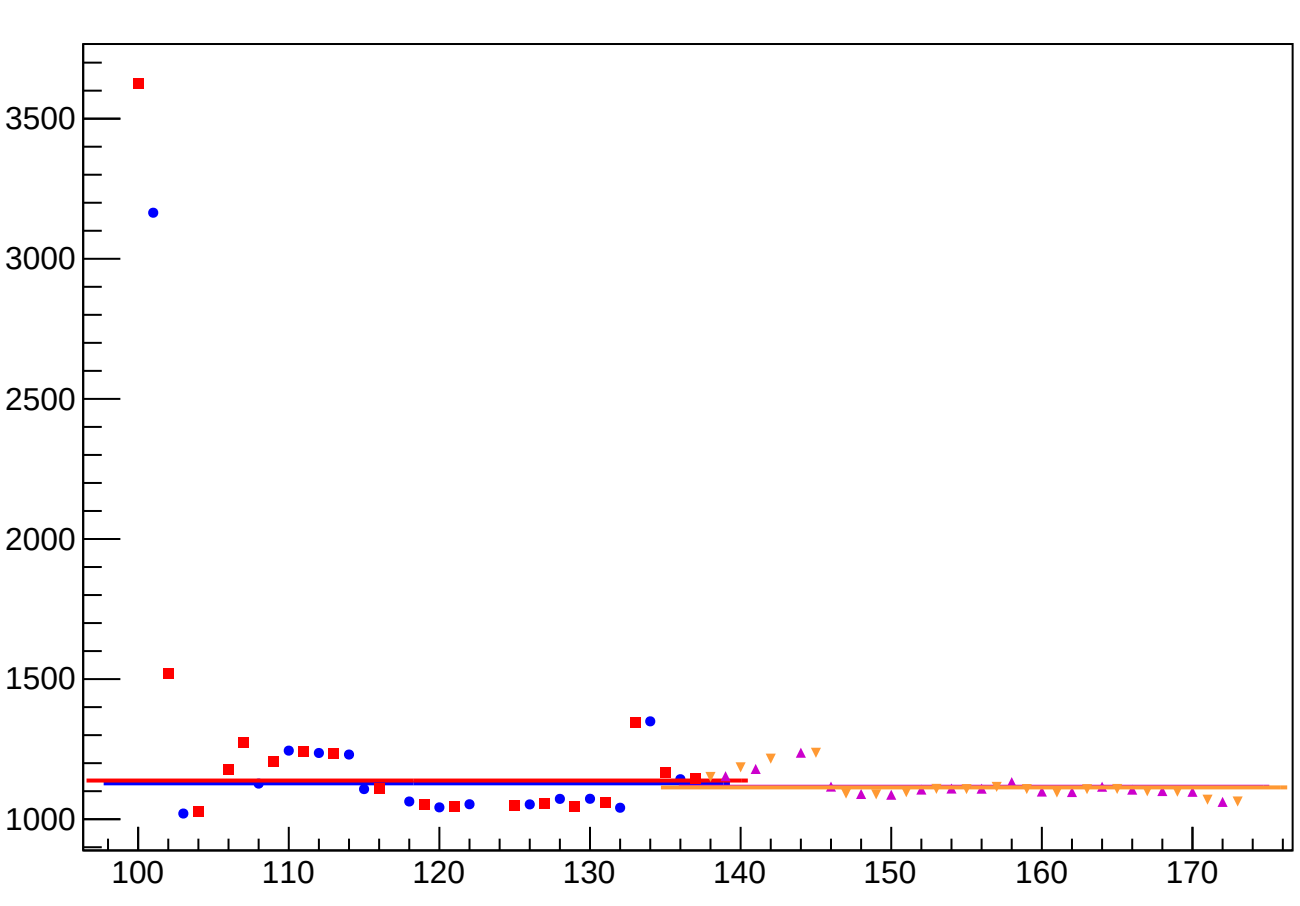
Left: -44.072+/-209.857 χ^2/NDF: 49.1/34

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -526.506+/-244.803 χ^2/NDF:26.8/32

Out: 419.452+/-243.692 χ^2/NDF:50.4/35

All: -51.376+/-172.708 χ^2/NDF: 84.8/68



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1113.516+/-0.209 χ^2/NDF:39693.6/17

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1115.894+/-0.211 χ^2/NDF:33061.3/16

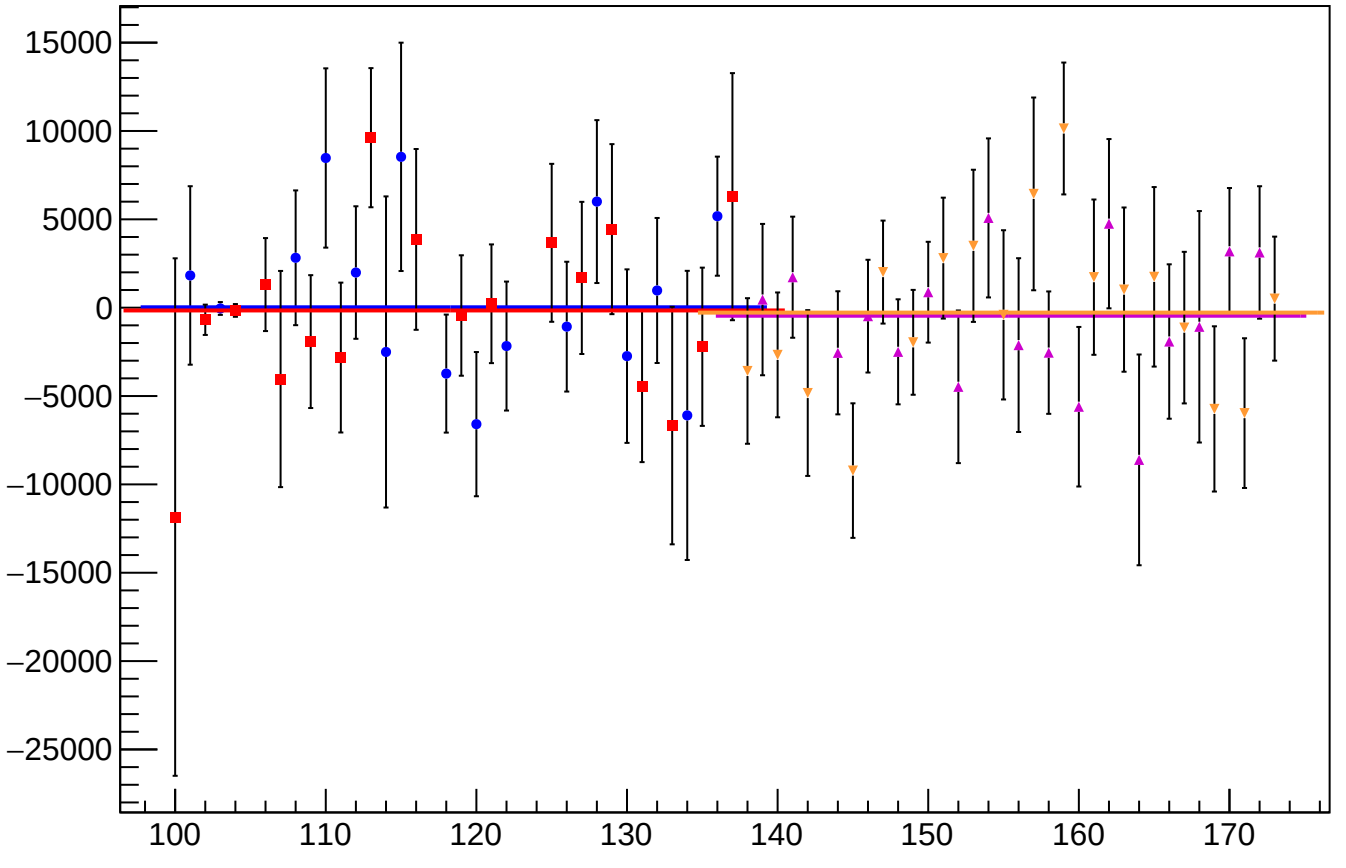
Left: 1114.695+/-0.148 χ^2/NDF: 72819.1/34

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1119.836+/-0.173 χ^2/NDF:655531.8/32

Out: 1121.358+/-0.172 χ^2/NDF:264714.6/35

All: 1120.600+/-0.122 χ^2/NDF: 920285.2/68



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -279.221+/-933.678 χ^2/NDF:23.1/17

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -455.081+/-940.861 χ^2/NDF:10.8/16

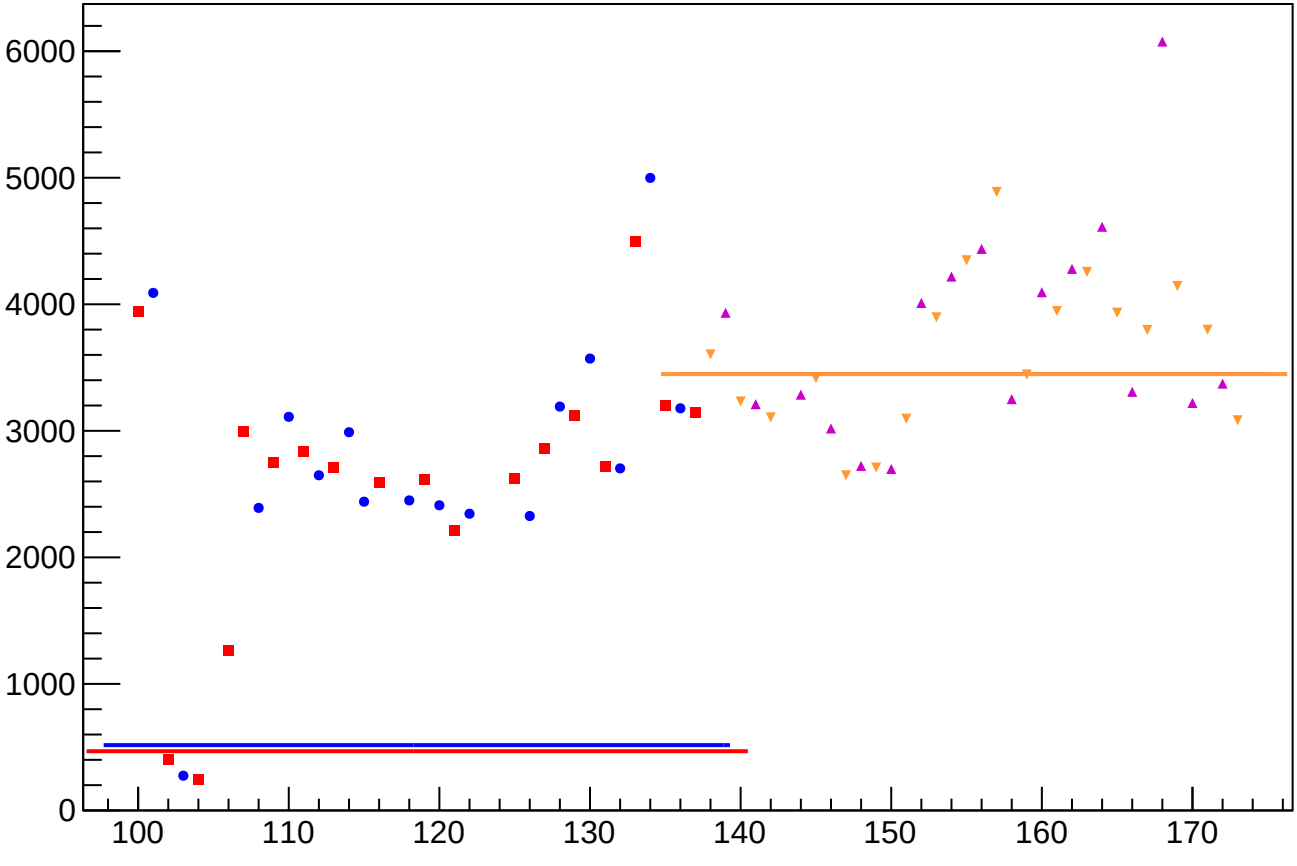
Left: -366.477+/-662.735 χ^2/NDF: 33.9/34

Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -34.720+/-323.518 χ^2/NDF:25.9/32

Out: -168.969+/-300.483 χ^2/NDF:37.1/35

All: -106.794+/-220.167 χ^2/NDF: 63.1/68



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3448.382+/-0.660 χ^2/NDF:745905.5/17

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3448.795+/-0.665 χ^2/NDF:1023830.4/16

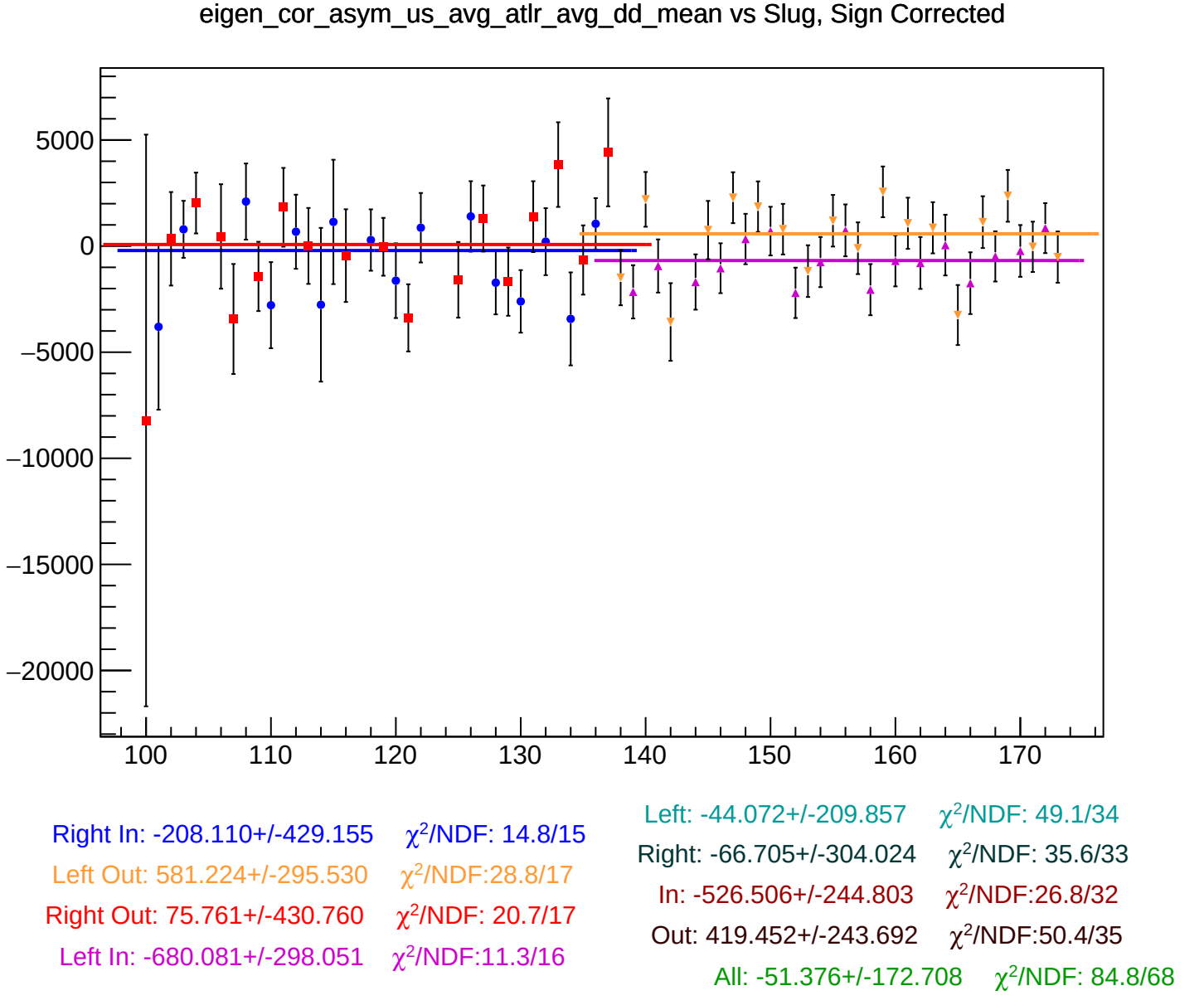
Left: 3448.587+/-0.469 χ^2/NDF: 1769736.1/34

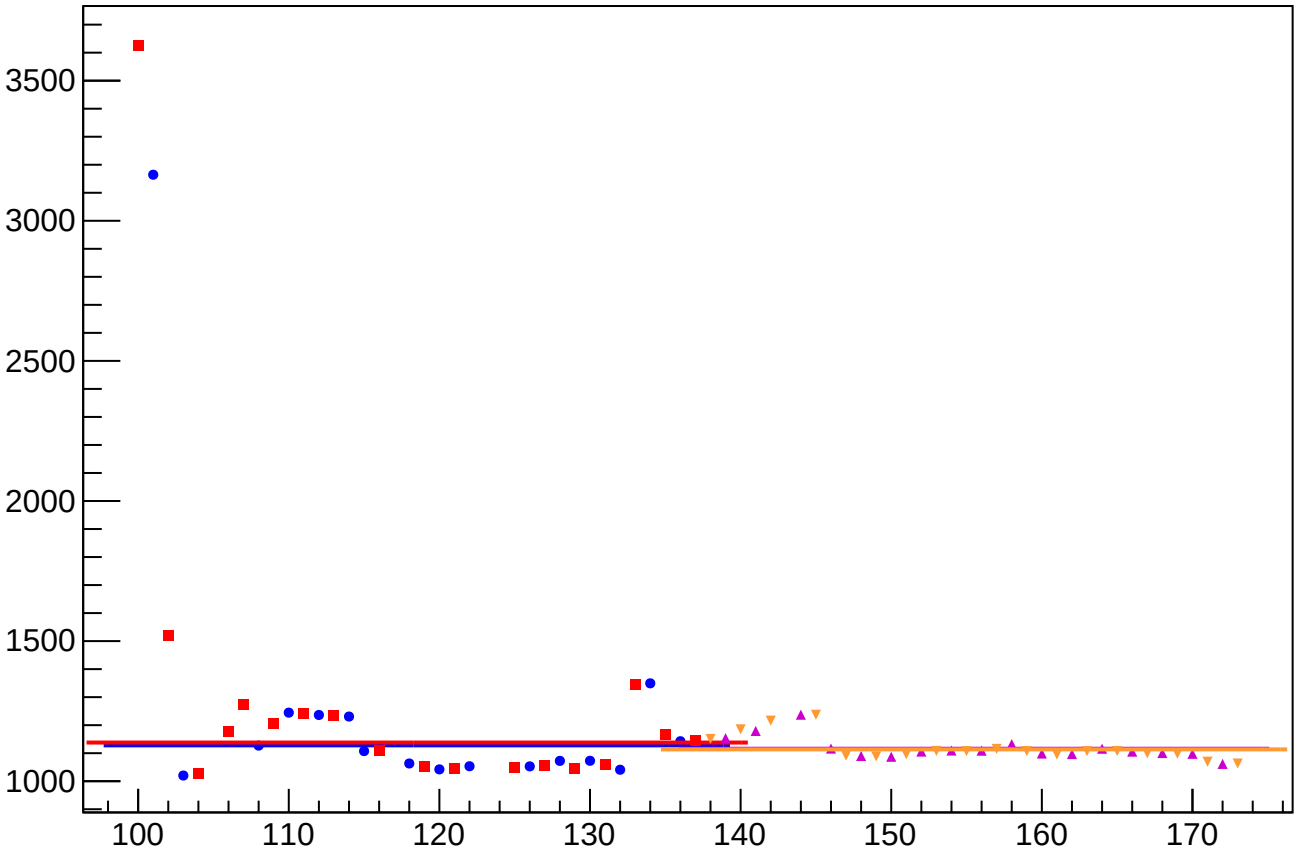
Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 863.019+/-0.229 χ^2/NDF:27990471.3/32

Out: 776.739+/-0.212 χ^2/NDF:28124544.0/35

All: 816.699+/-0.156 χ^2/NDF: 56191384.6/68


eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: -208.110+/-429.155 χ²/NDF: 14.8/15
Left Out: 581.224+/-295.530 χ²/NDF:28.8/17
Right Out: 75.761+/-430.760 χ²/NDF: 20.7/17
Left In: -680.081+/-298.051 χ²/NDF:11.3/16
Left: -44.072+/-209.857 χ²/NDF: 49.1/34
Right: -66.705+/-304.024 χ²/NDF: 35.6/33
In: -526.506+/-244.803 χ²/NDF:26.8/32
Out: 419.452+/-243.692 χ²/NDF:50.4/35
All: -51.376+/-172.708 χ²/NDF: 84.8/68



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1113.516+/-0.209 χ^2/NDF:39693.6/17

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1115.894+/-0.211 χ^2/NDF:33061.3/16

Left: 1114.695+/-0.148 χ^2/NDF: 72819.1/34

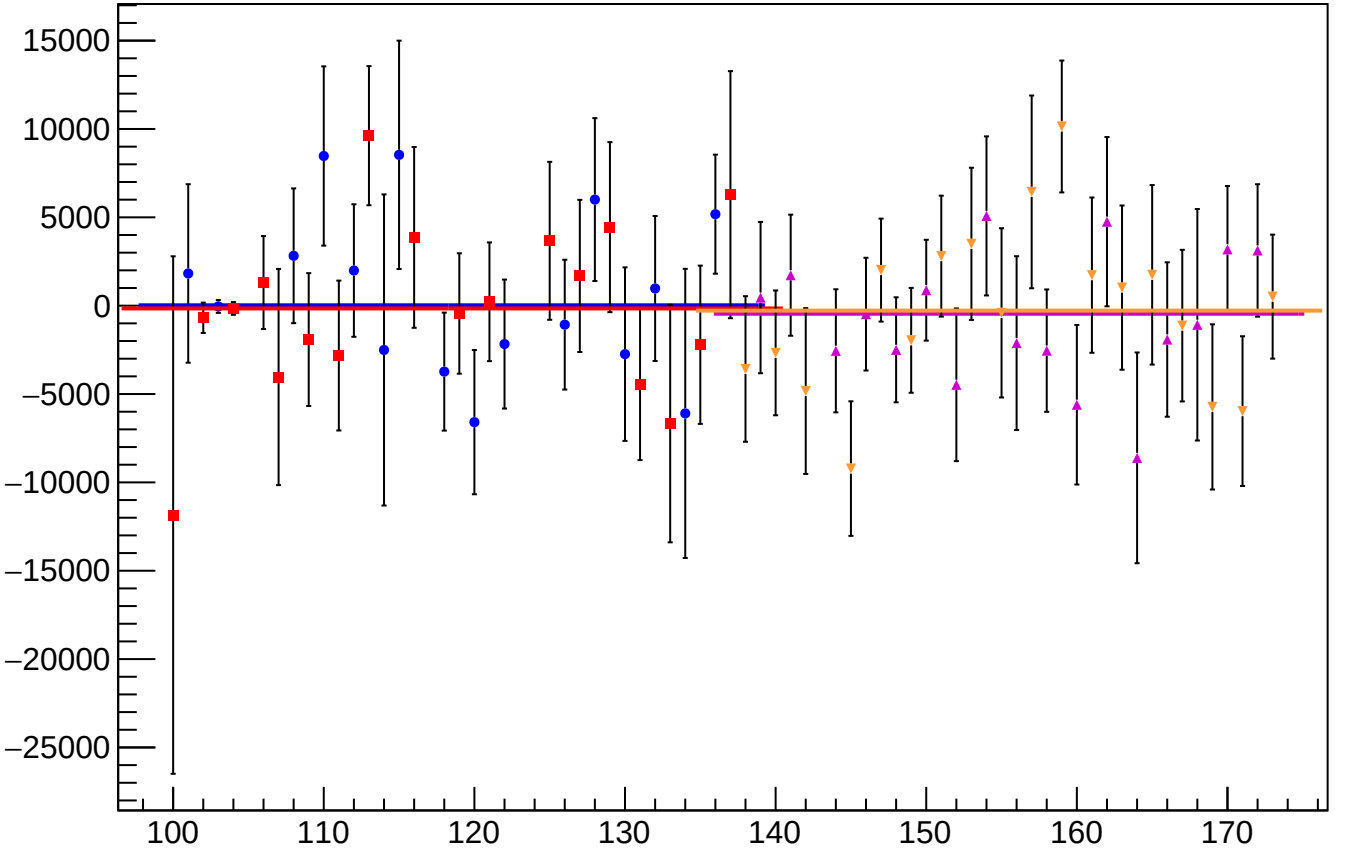
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1119.836+/-0.173 χ^2/NDF:655531.8/32

Out: 1121.358+/-0.172 χ^2/NDF:264714.6/35

All: 1120.600+/-0.122 χ^2/NDF: 920285.2/68

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -279.221+/-933.678 χ^2/NDF:23.1/17

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -455.081+/-940.861 χ^2/NDF:10.8/16

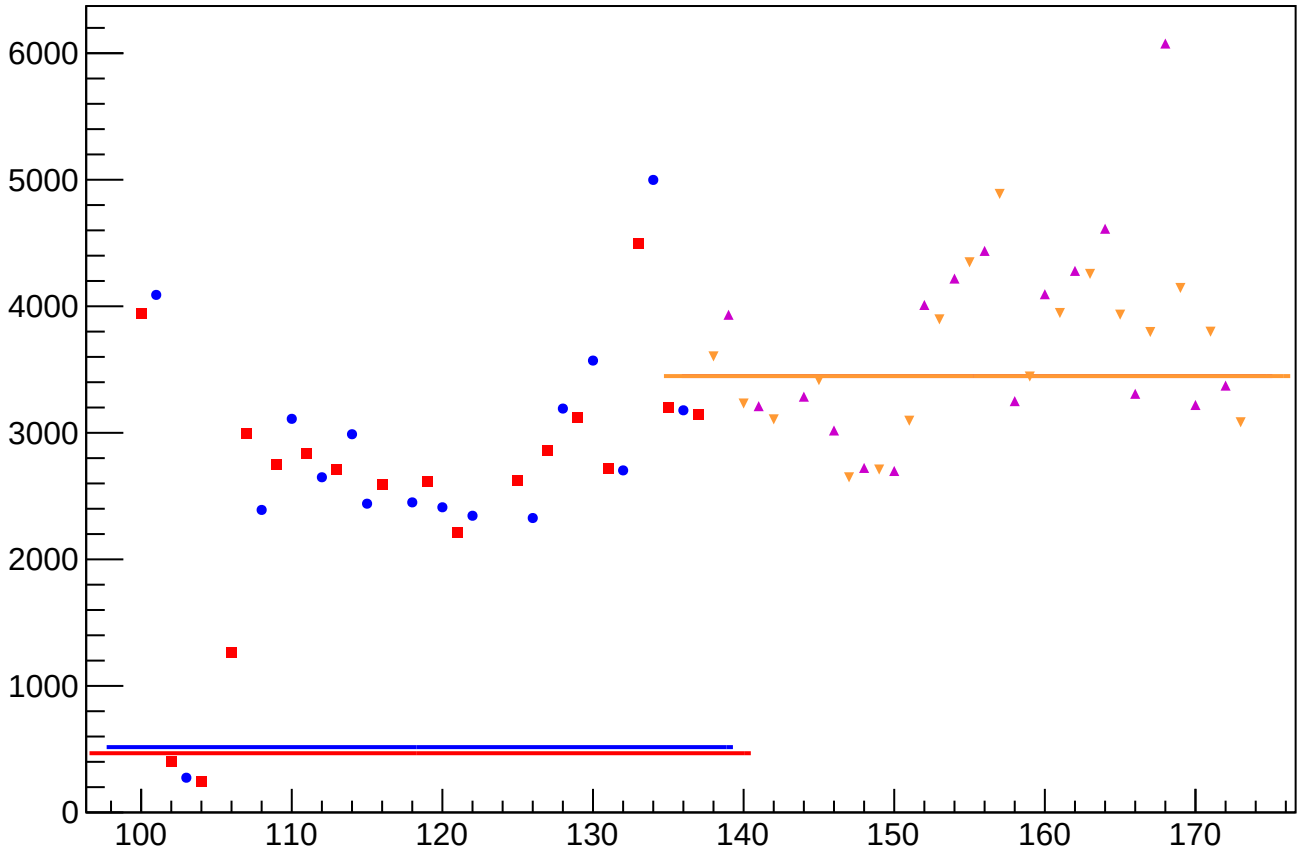
Left: -366.477+/-662.735 χ^2/NDF: 33.9/34

Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -34.720+/-323.518 χ^2/NDF:25.9/32

Out: -168.969+/-300.483 χ^2/NDF:37.1/35

All: -106.794+/-220.167 χ^2/NDF: 63.1/68



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3448.382+/-0.660 χ^2/NDF:745905.5/17

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3448.795+/-0.665 χ^2/NDF:1023830.4/16

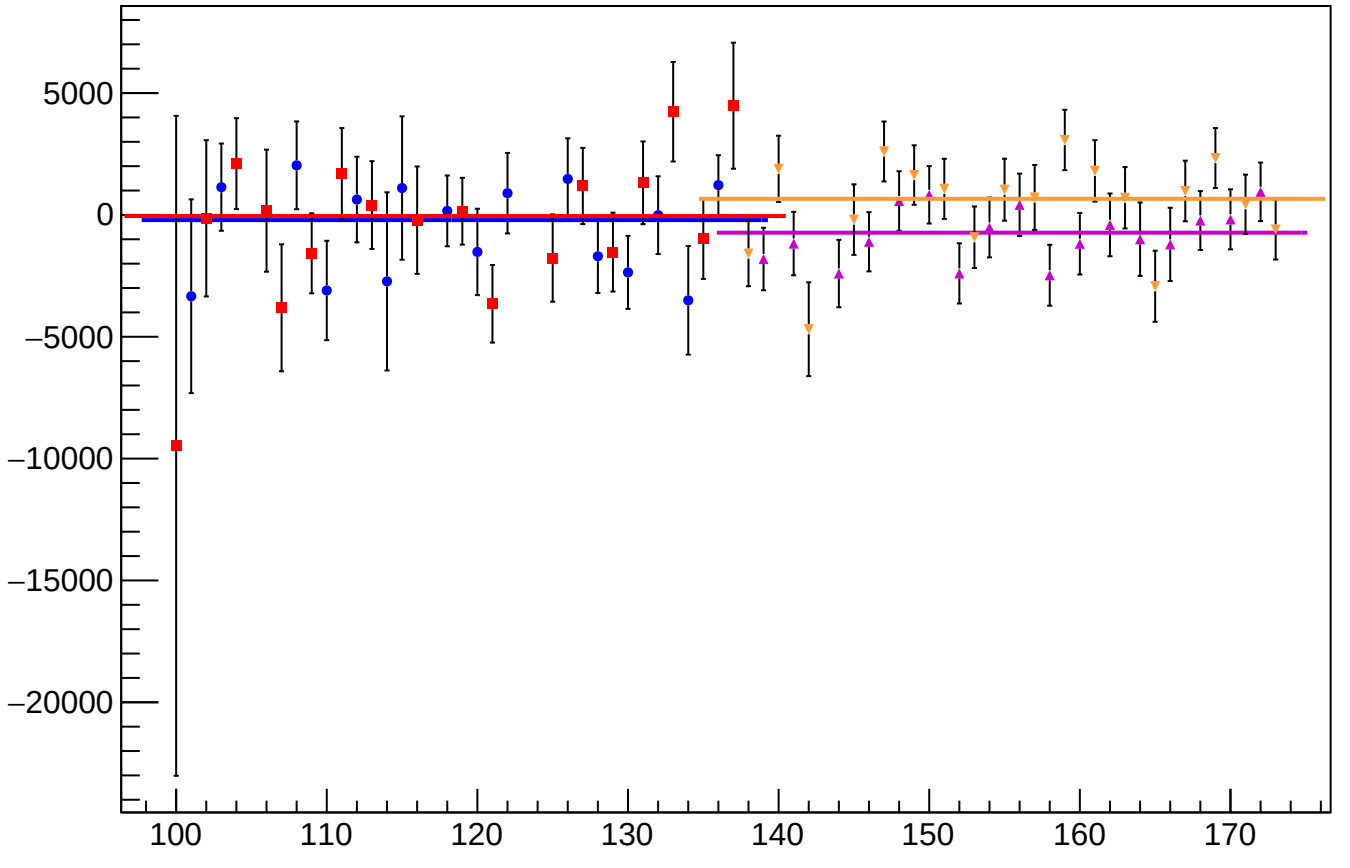
Left: 3448.587+/-0.469 χ^2/NDF: 1769736.1/34

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 863.019+/-0.229 χ^2/NDF:27990471.3/32

Out: 776.739+/-0.212 χ^2/NDF:28124544.0/35

All: 816.699+/-0.156 χ^2/NDF: 56191384.6/68



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 661.074+/-306.147 χ^2/NDF:30.3/17

Right Out: -45.535+/-447.221 χ^2/NDF: 21.7/17

Left In: -728.313+/-308.456 χ^2/NDF:12.5/16

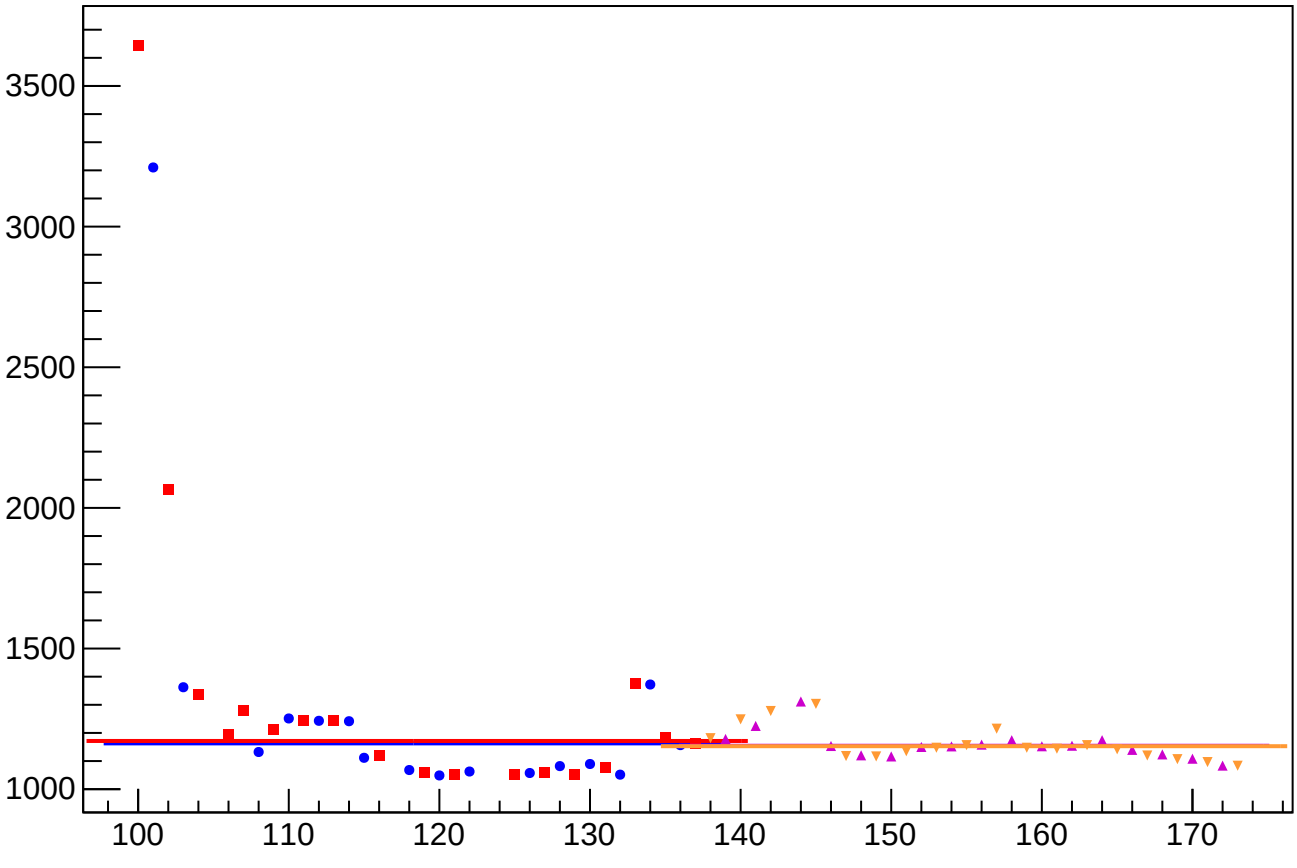
Left: -28.400+/-217.290 χ^2/NDF: 53.0/34

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -559.919+/-253.079 χ^2/NDF:27.8/32

Out: 435.605+/-252.625 χ^2/NDF:53.6/35

All: -61.264+/-178.793 χ^2/NDF: 89.2/68



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1152.830+/-0.216 χ^2/NDF:64219.6/17

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1154.413+/-0.218 χ^2/NDF:48162.4/16

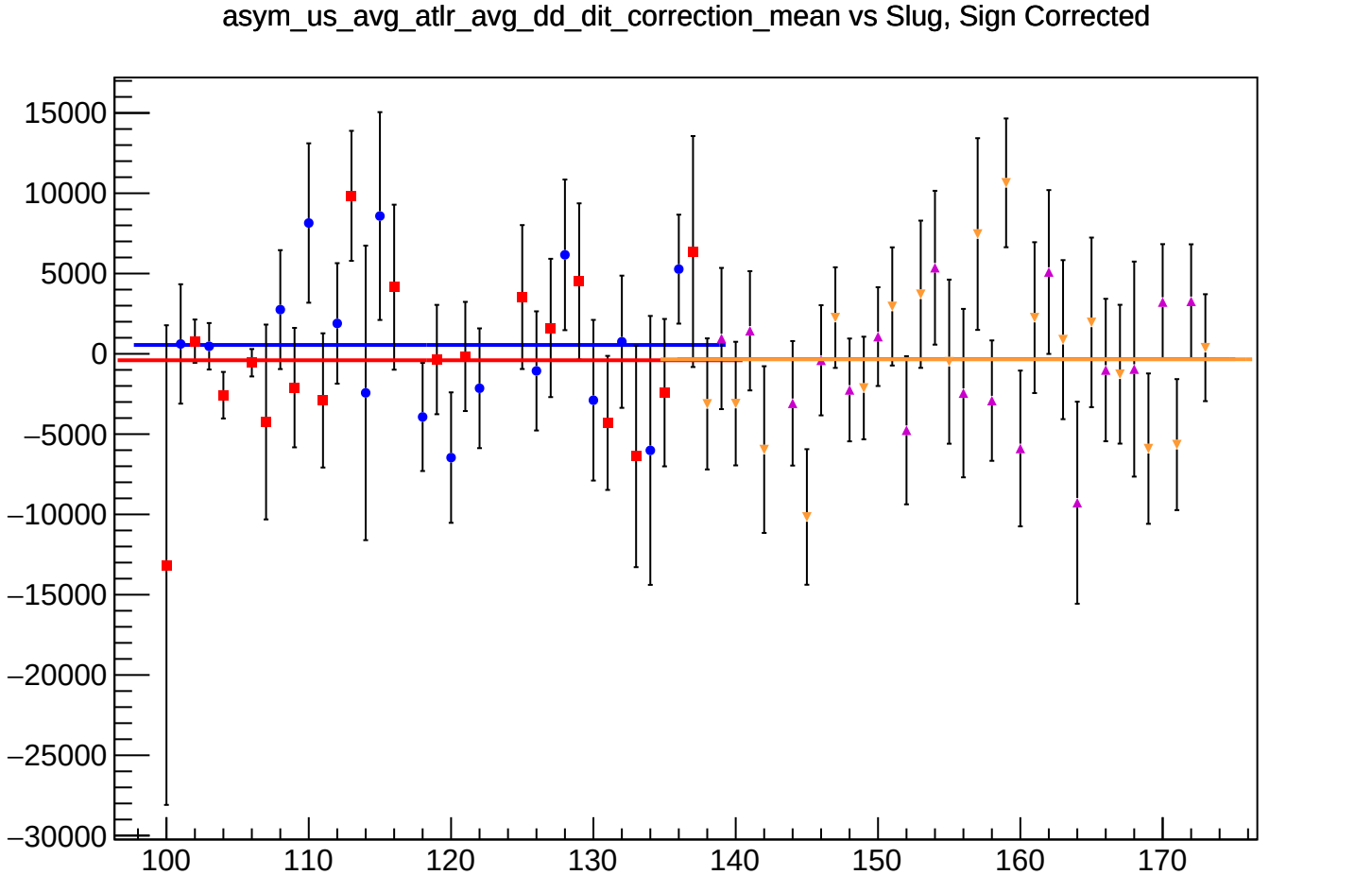
Left: 1153.616+/-0.154 χ^2/NDF: 112408.5/34

Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1157.171+/-0.179 χ^2/NDF:684005.0/32

Out: 1158.766+/-0.179 χ^2/NDF:398215.1/35

All: 1157.970+/-0.126 χ^2/NDF: 1082259.9/68



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -338.537+/-979.581 χ^2/NDF:23.1/17

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -328.636+/-993.844 χ^2/NDF:10.8/16

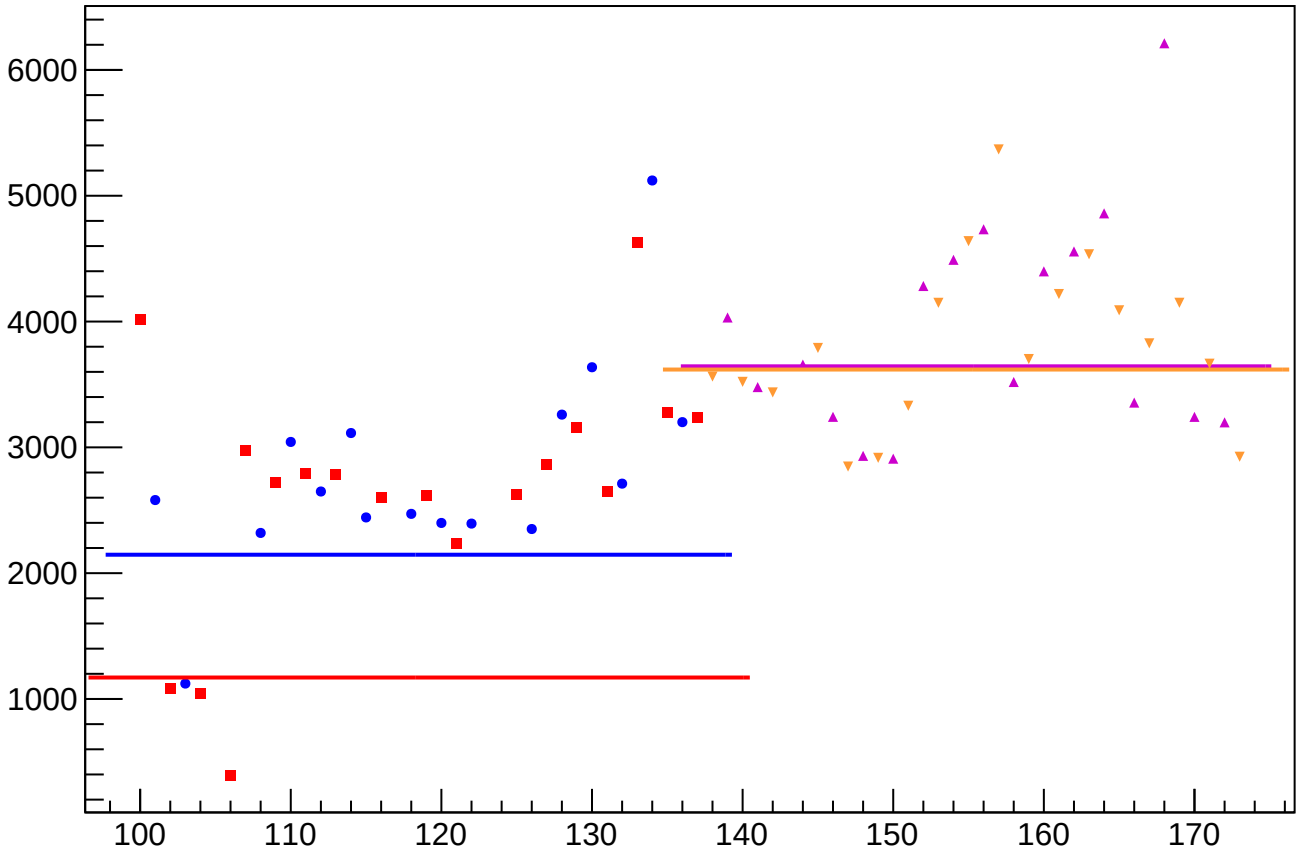
Left: -333.658+/-697.656 χ^2/NDF: 34.0/34

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: 168.182+/-656.369 χ^2/NDF:25.7/32

Out: -384.946+/-489.991 χ^2/NDF:39.8/35

All: -187.004+/-392.648 χ^2/NDF: 65.9/68



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3618.560+/-0.693 χ^2/NDF:750852.8/17

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3644.148+/-0.703 χ^2/NDF:994960.4/16

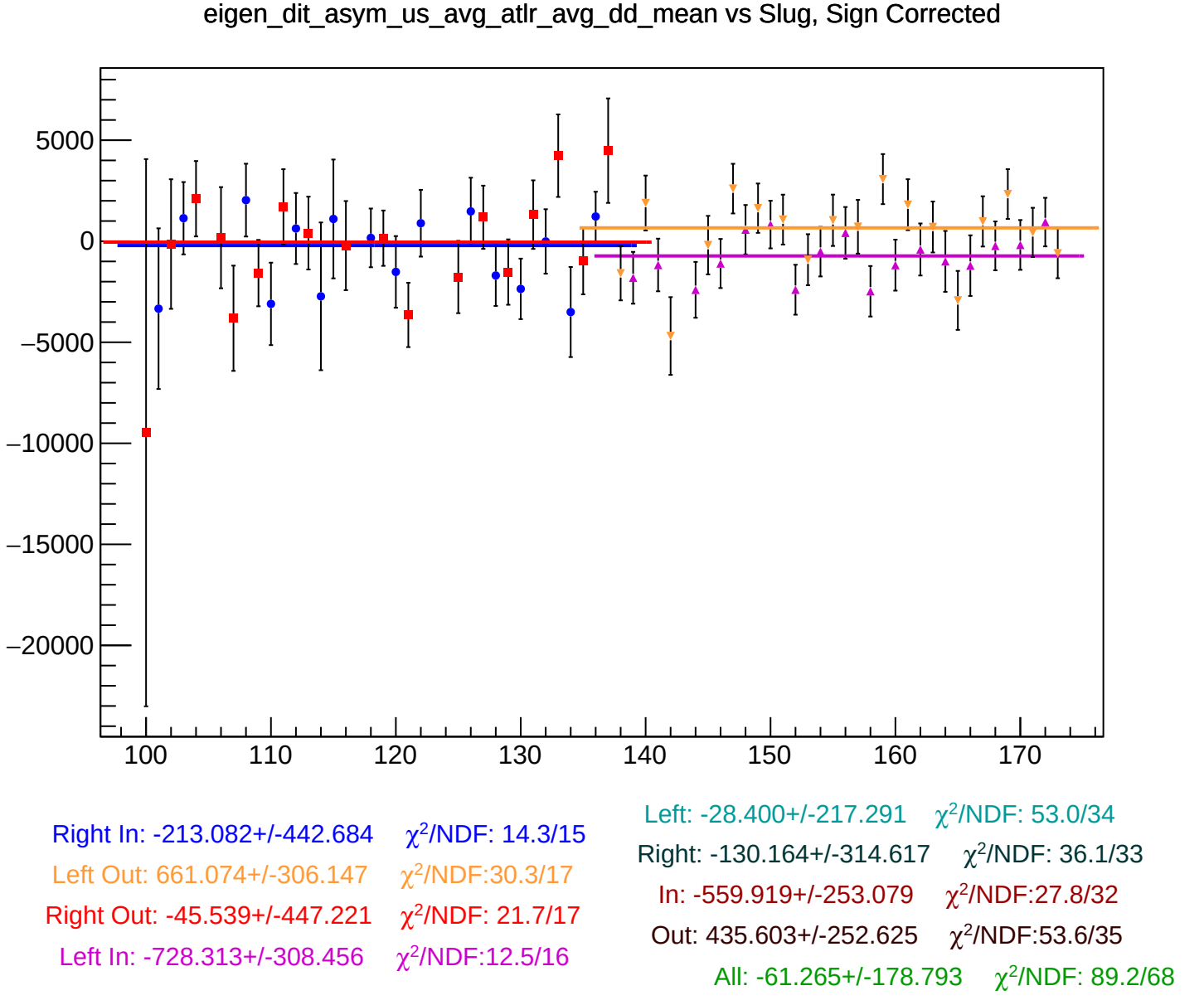
Left: 3631.169+/-0.493 χ^2/NDF: 1746485.6/34

Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2799.800+/-0.464 χ^2/NDF:5529987.3/32

Out: 1783.073+/-0.346 χ^2/NDF:15933378.7/35

All: 2146.917+/-0.278 χ^2/NDF: 24544947.6/6


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
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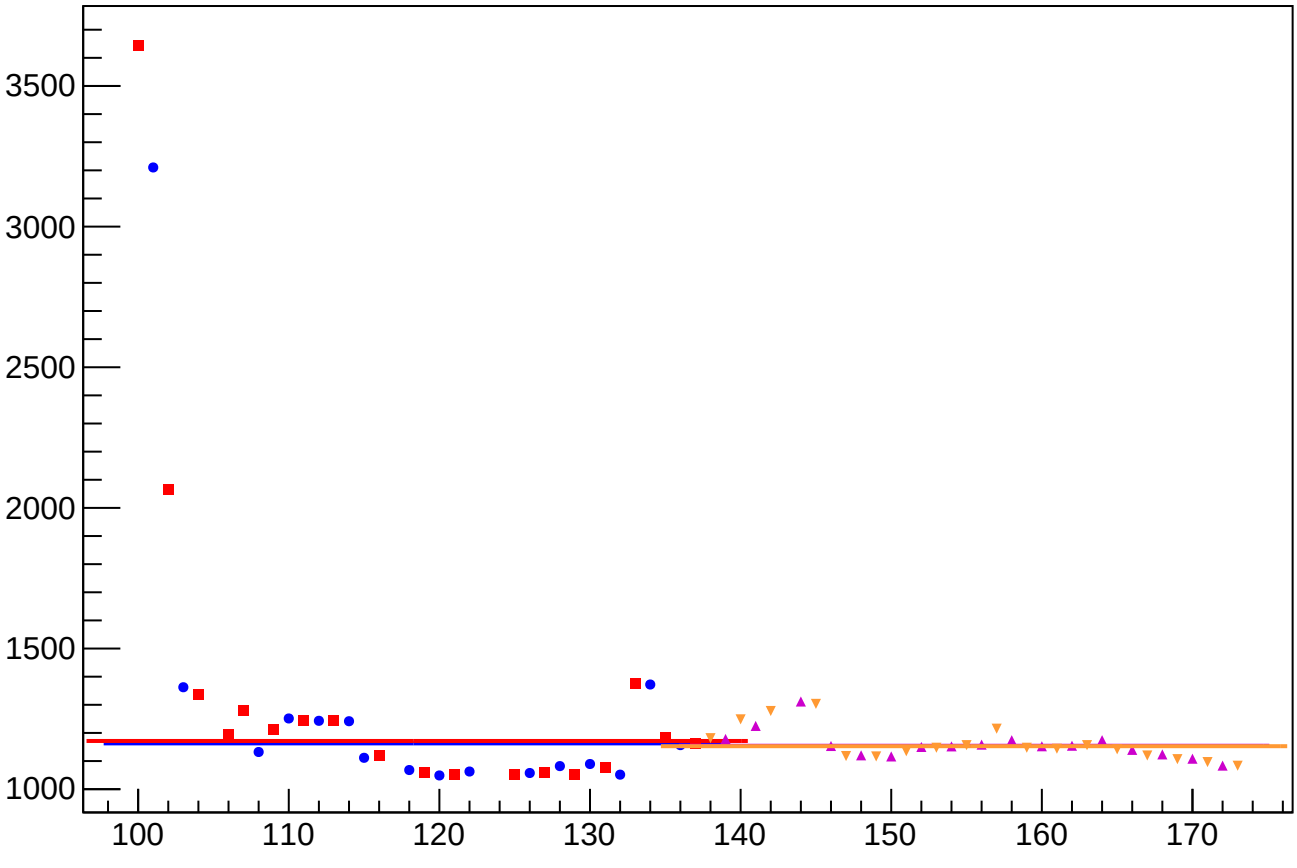
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: -213.082+/-442.684 χ²/NDF: 14.3/15
Left Out: 661.074+/-306.147 χ²/NDF:30.3/17
Right Out: -45.539+/-447.221 χ²/NDF: 21.7/17
Left In: -728.313+/-308.456 χ²/NDF:12.5/16
Left: -28.400+/-217.291 χ²/NDF: 53.0/34
Right: -130.164+/-314.617 χ²/NDF: 36.1/33
In: -559.919+/-253.079 χ²/NDF:27.8/32
Out: 435.603+/-252.625 χ²/NDF:53.6/35
All: -61.265+/-178.793 χ²/NDF: 89.2/68



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1152.831+/-0.216 χ^2/NDF:64220.9/17

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1154.414+/-0.218 χ^2/NDF:48163.1/16

Left: 1153.616+/-0.154 χ^2/NDF: 112410.6/34

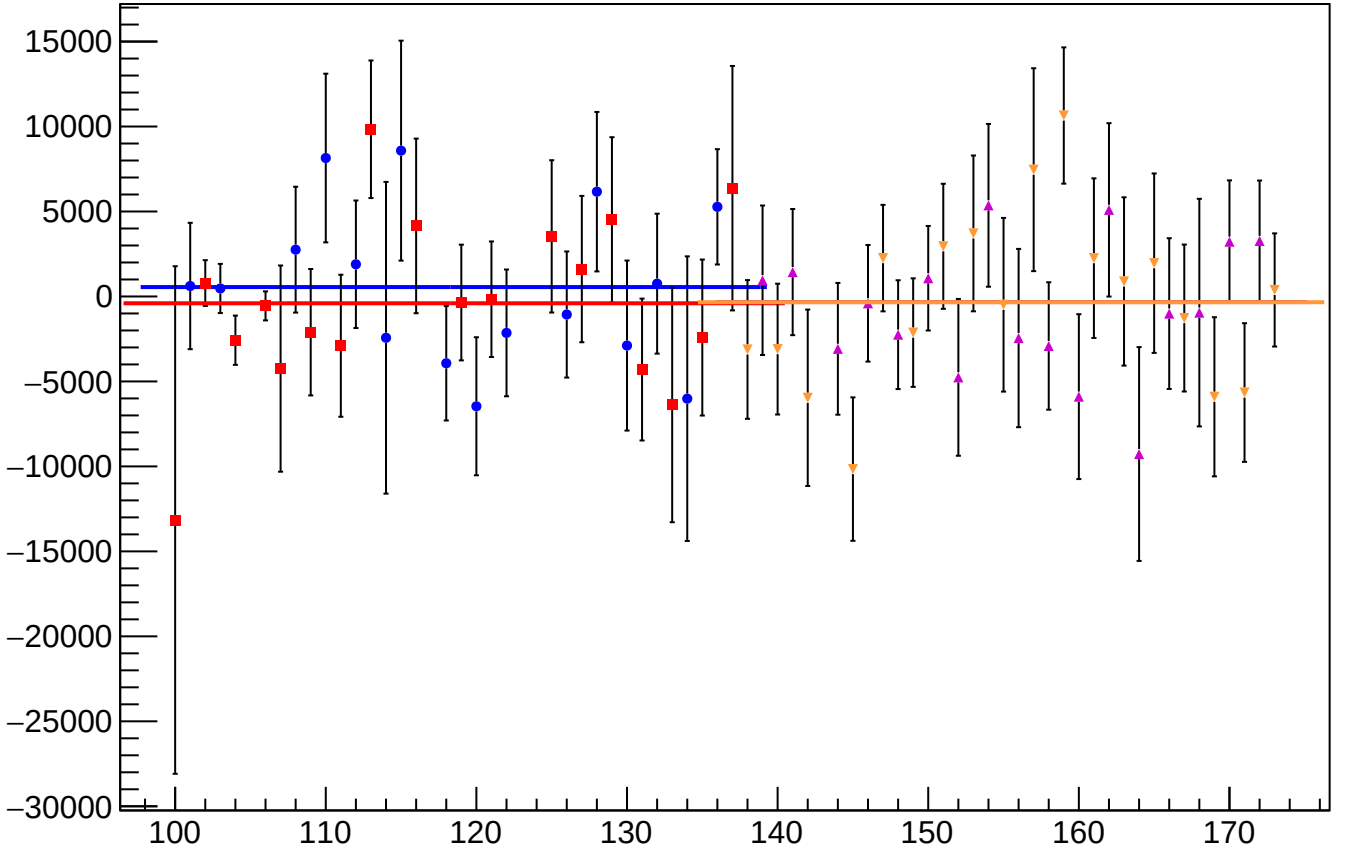
Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1157.172+/-0.179 χ^2/NDF:684005.7/32

Out: 1158.766+/-0.179 χ^2/NDF:398215.9/35

All: 1157.971+/-0.126 χ^2/NDF: 1082261.4/68

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -338.539+/-979.582 χ^2/NDF:23.1/17

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -328.634+/-993.845 χ^2/NDF:10.8/16

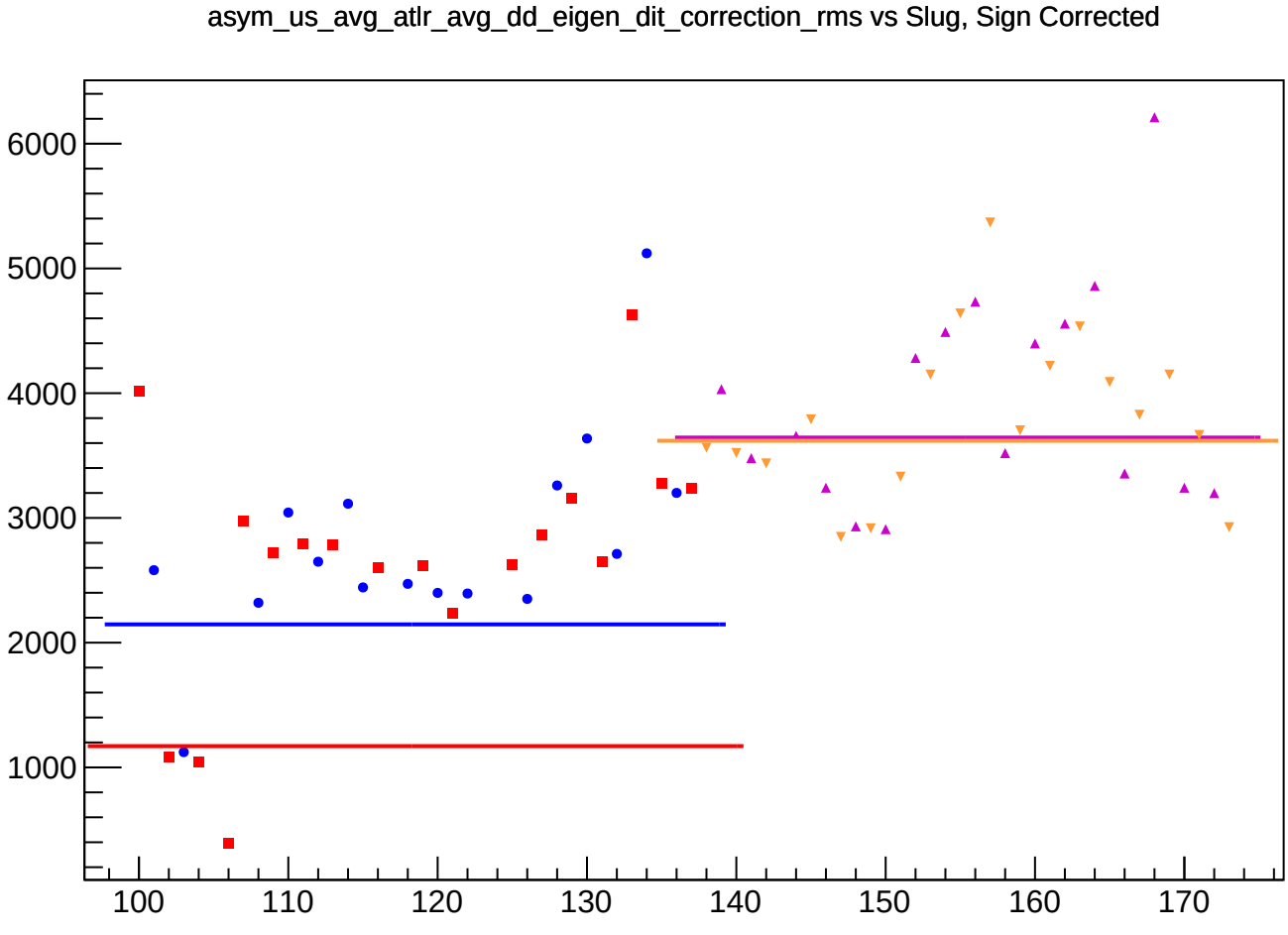
Left: -333.658+/-697.657 χ^2/NDF: 34.0/34

Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: 168.180+/-656.368 χ^2/NDF:25.7/32

Out: -384.947+/-489.987 χ^2/NDF:39.8/35

All: -187.008+/-392.646 χ^2/NDF: 65.9/68



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3618.565+/-0.693 χ^2/NDF:750853.4/17

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3644.153+/-0.703 χ^2/NDF:994962.5/16

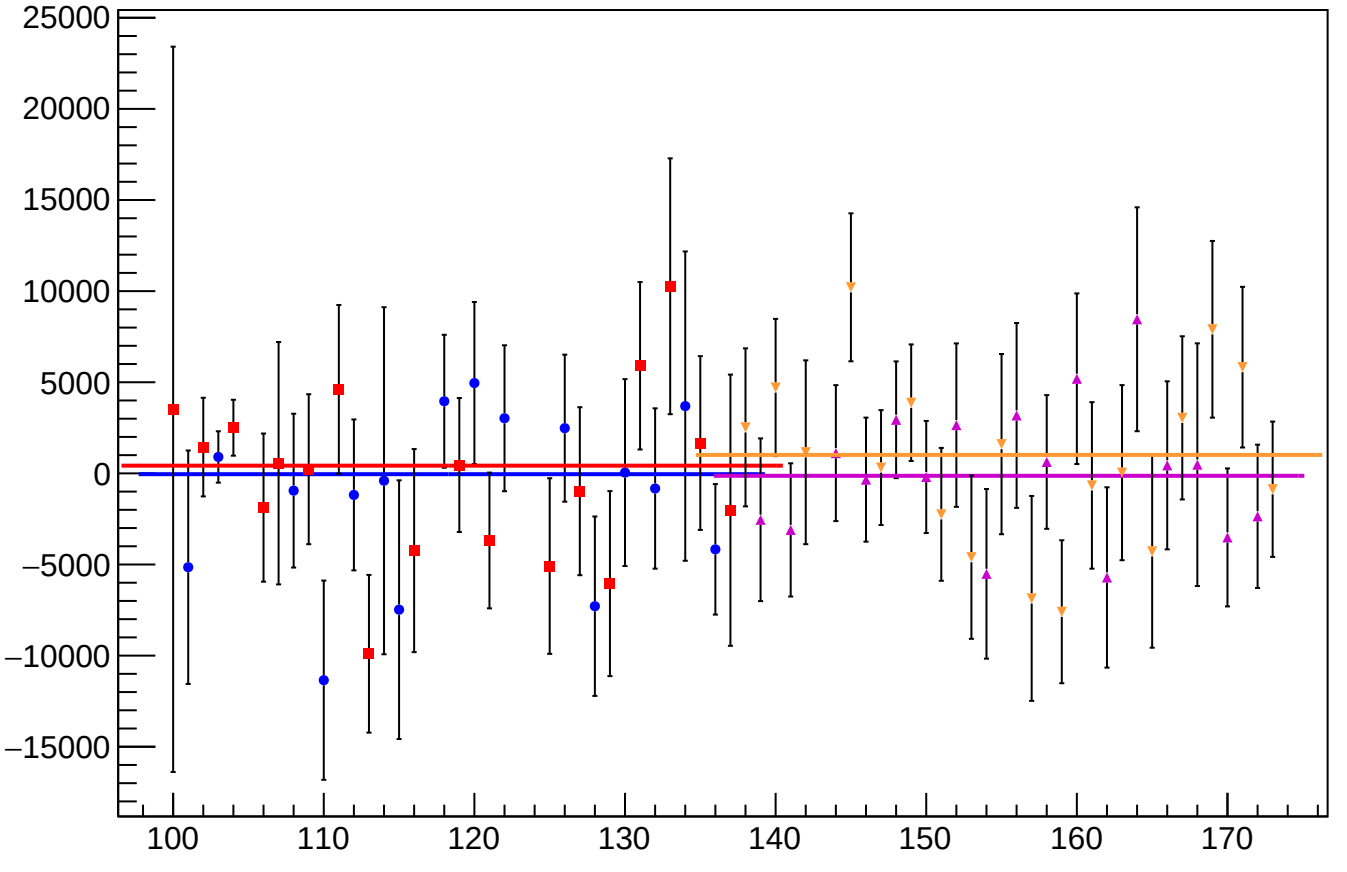
Left: 3631.174+/-0.493 χ^2/NDF: 1746488.3/34

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2799.798+/-0.464 χ^2/NDF:5530010.7/32

Out: 1783.044+/-0.346 χ^2/NDF:15933758.3/35

All: 2146.895+/-0.278 χ^2/NDF: 24545531.9/6



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 1012.903+/-986.248 χ^2/NDF:21.1/17

Right Out: 423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: -133.366+/-993.828 χ^2/NDF:9.8/16

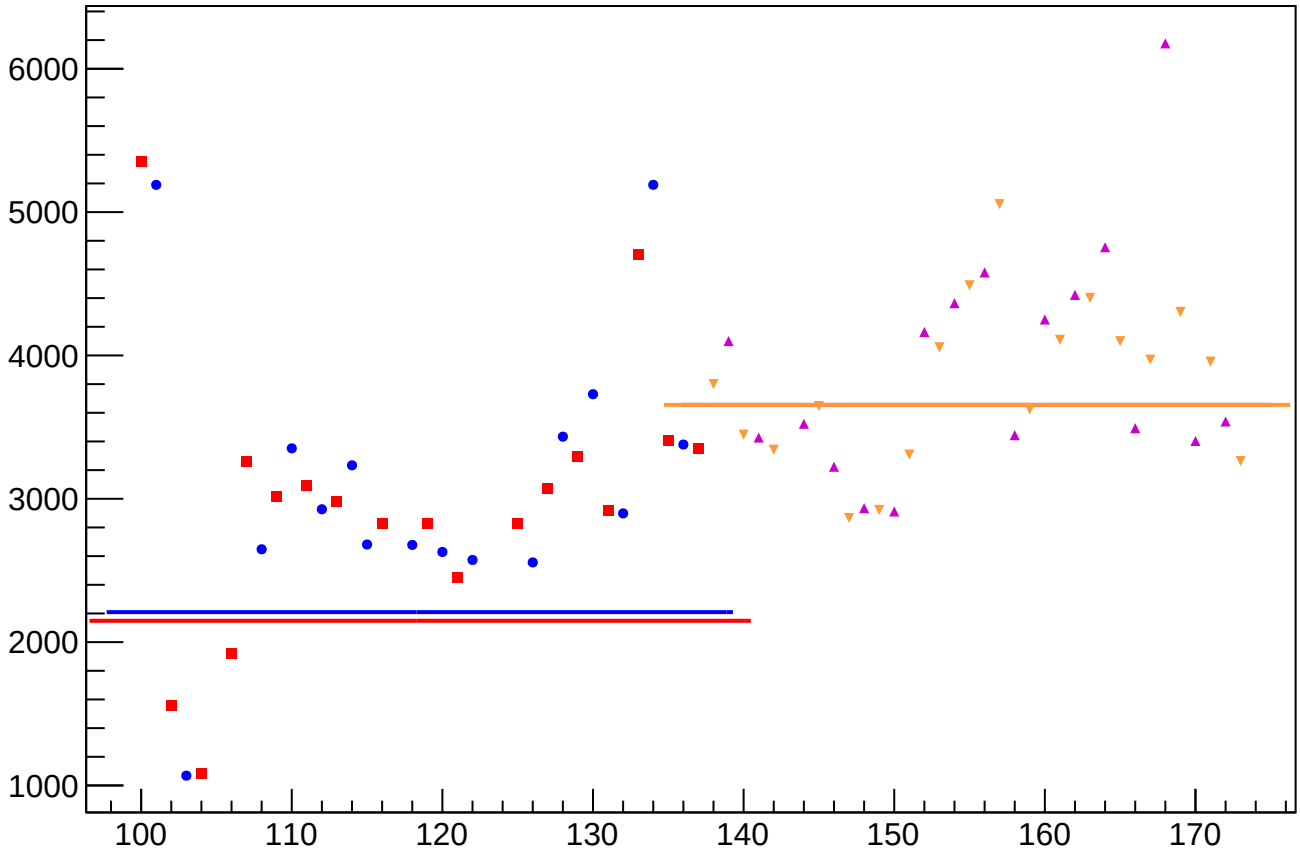
Left: 444.157+/-700.047 χ^2/NDF: 31.6/34

Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: -85.747+/-675.422 χ^2/NDF:23.6/32

Out: 690.233+/-663.481 χ^2/NDF:38.6/35

All: 309.163+/-473.317 χ^2/NDF: 62.9/68



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3655.133+/-0.697 χ^2/NDF:621147.2/17

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3655.242+/-0.703 χ^2/NDF:870224.2/16

Left: 3655.187+/-0.495 χ^2/NDF: 1491371.4/34

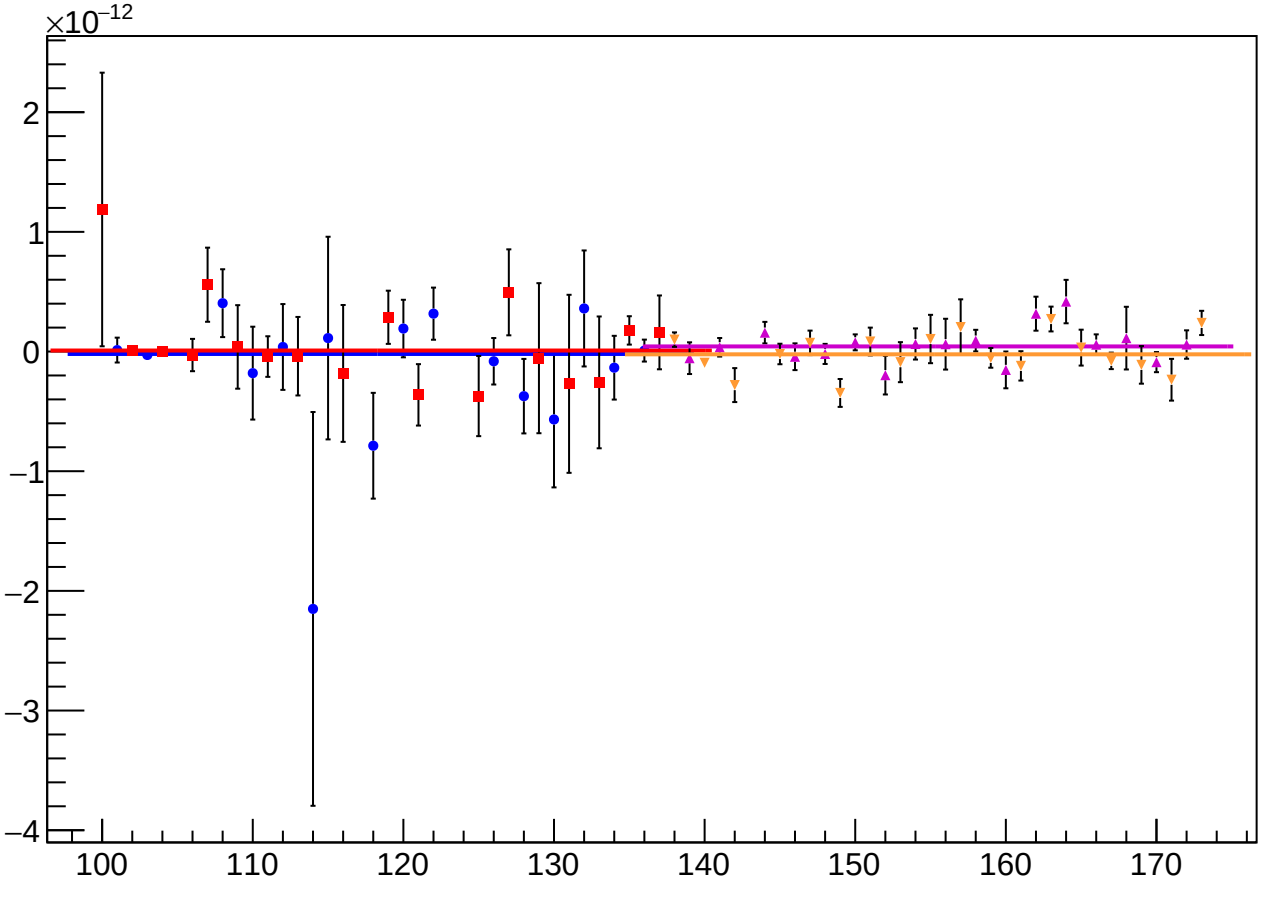
Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2877.174+/-0.478 χ^2/NDF:5985137.8/32

Out: 2828.815+/-0.469 χ^2/NDF:5449887.4/35

All: 2852.531+/-0.334 χ^2/NDF: 11440249.6/6

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 14.0/17

Left In: 0.000+/-0.000 χ^2/NDF:18.3/16

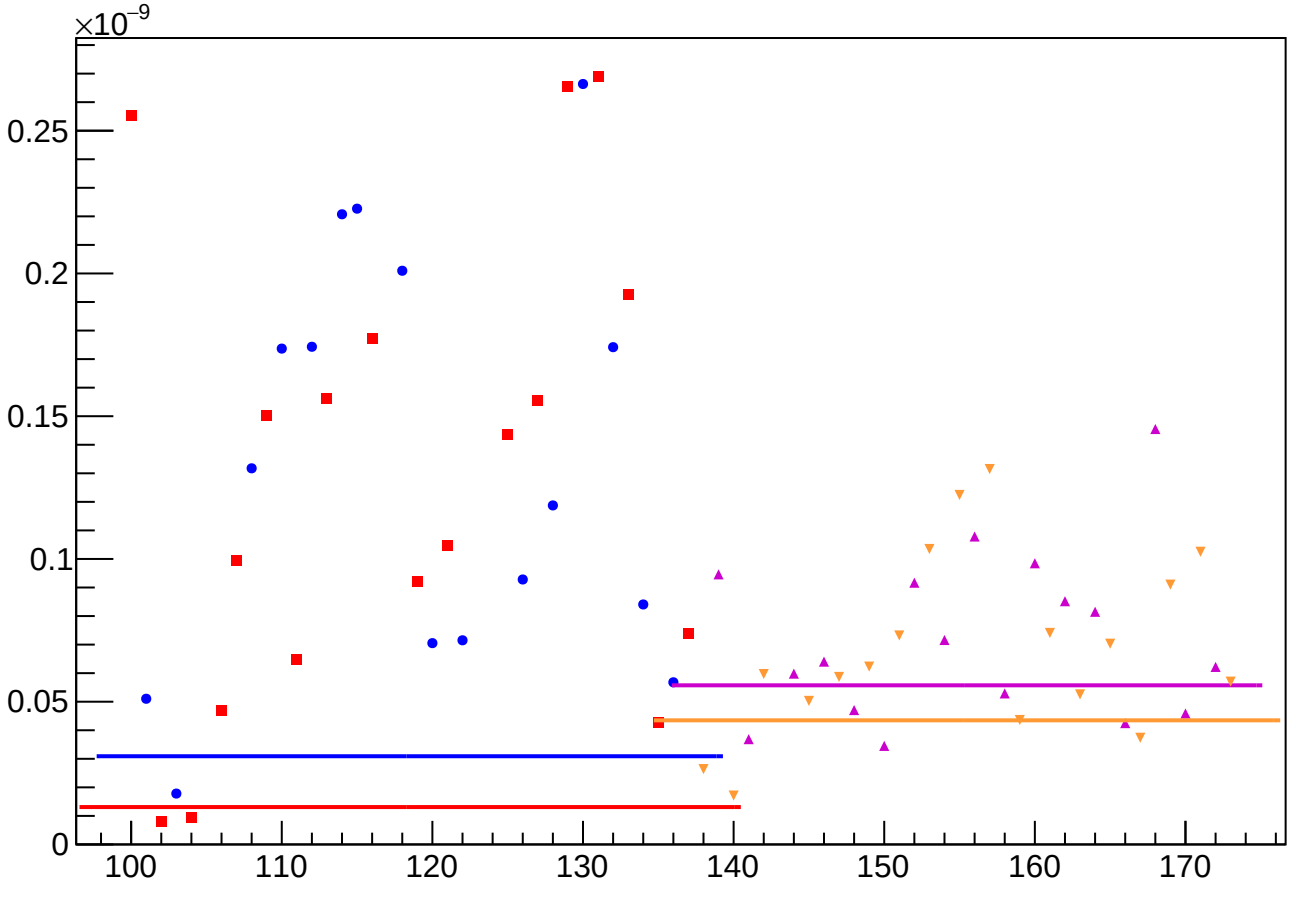
Left: 0.000+/-0.000 χ^2/NDF: 61.6/34

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:35.1/32

Out: -0.000+/-0.000 χ^2/NDF:54.9/35

All: 0.000+/-0.000 χ^2/NDF: 90.3/68



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2777390.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1378100.0/16

Left: 0.000+/-0.000 χ^2/NDF: 4421608.7/34

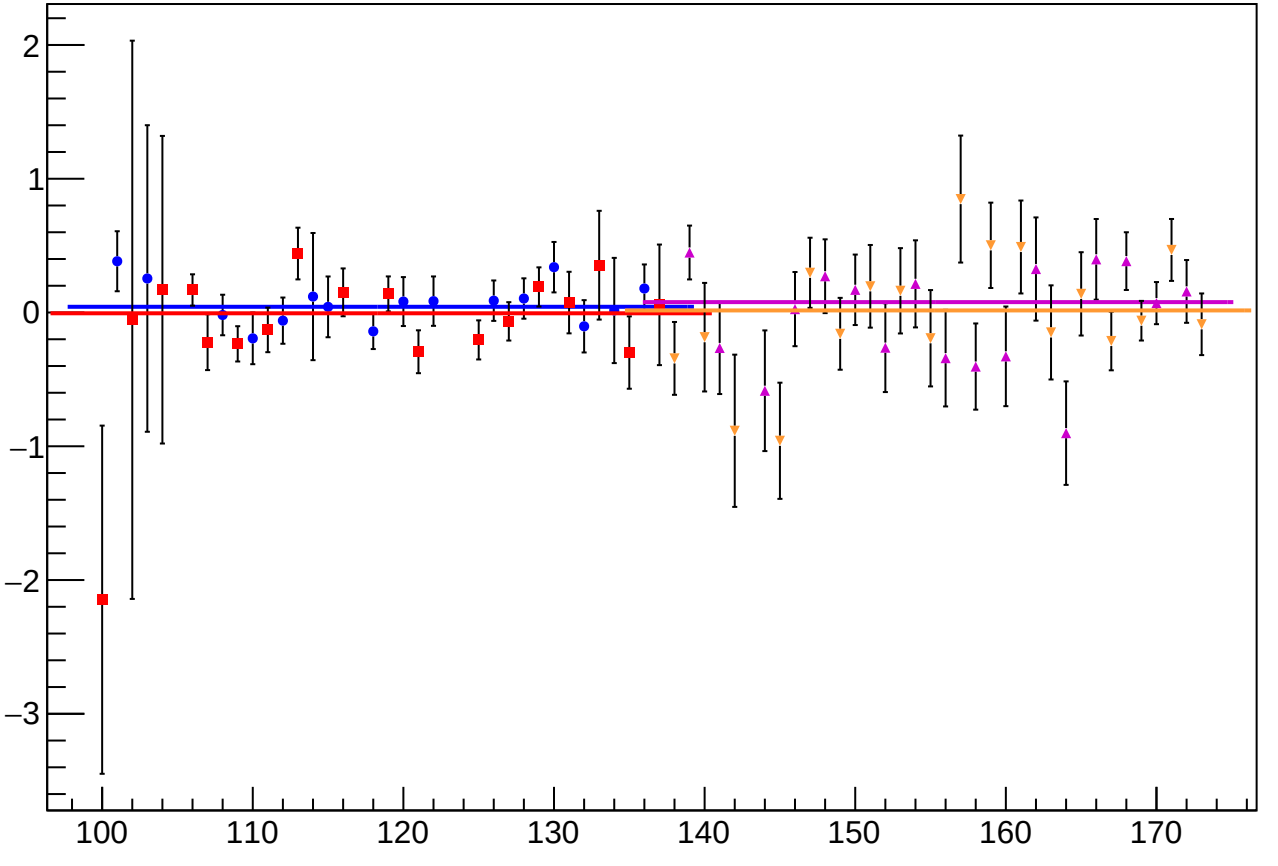
Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:5320883.4/32

Out: 0.000+/-0.000 χ^2/NDF:9094288.3/35

All: 0.000+/-0.000 χ^2/NDF: 16167128.5/68

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: 0.016+/-0.066 χ^2/NDF:25.0/17

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.078+/-0.067 χ^2/NDF:23.3/16

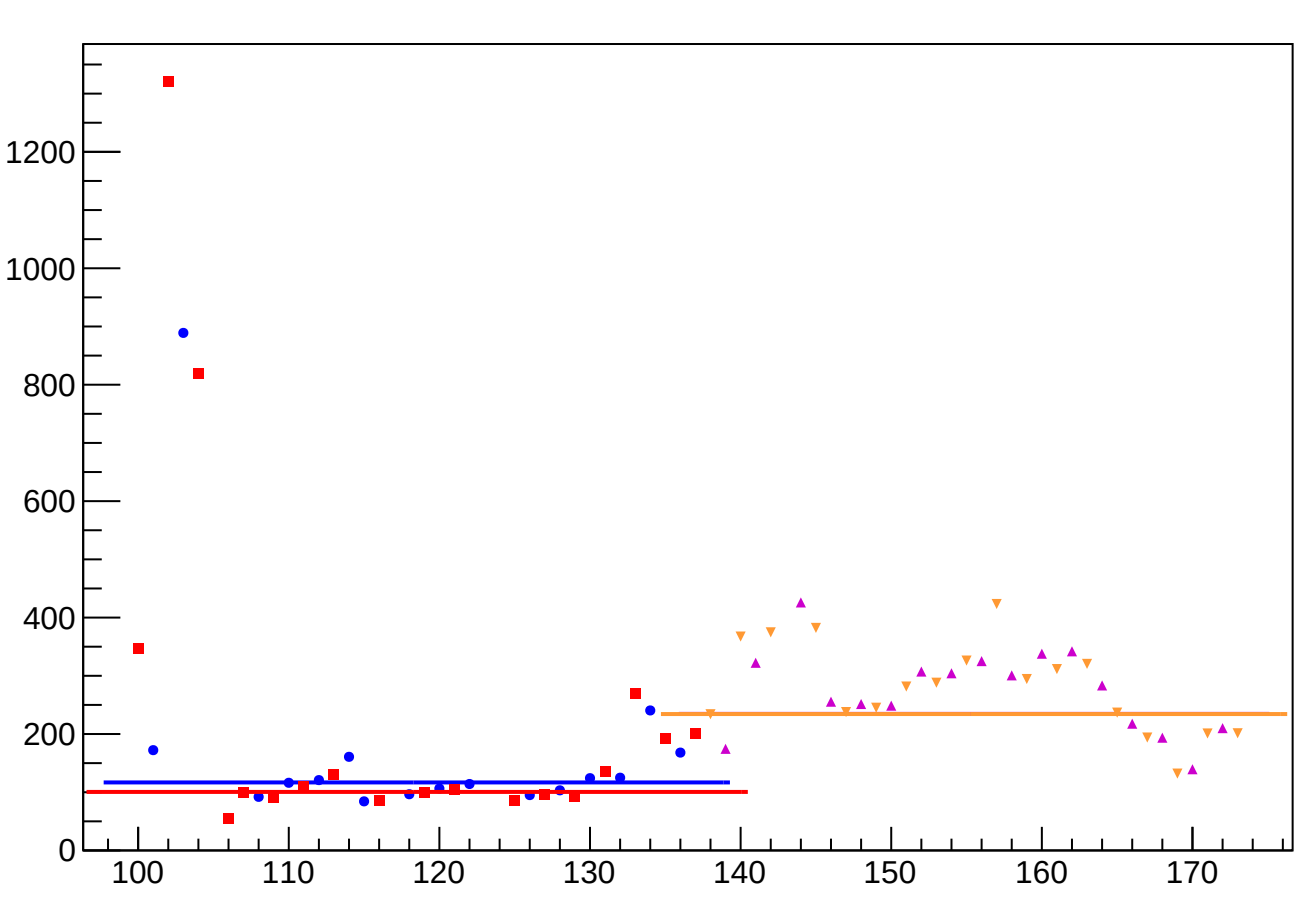
Left: 0.046+/-0.047 χ^2/NDF: 48.7/34

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.055+/-0.039 χ^2/NDF:33.7/32

Out: 0.001+/-0.036 χ^2/NDF:51.1/35

All: 0.026+/-0.026 χ^2/NDF: 85.8/68



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 234.309+/-0.047 χ^2/NDF:2516973.8/17

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 234.594+/-0.047 χ^2/NDF:2260831.1/16

Left: 234.451+/-0.033 χ^2/NDF: 4777823.3/34

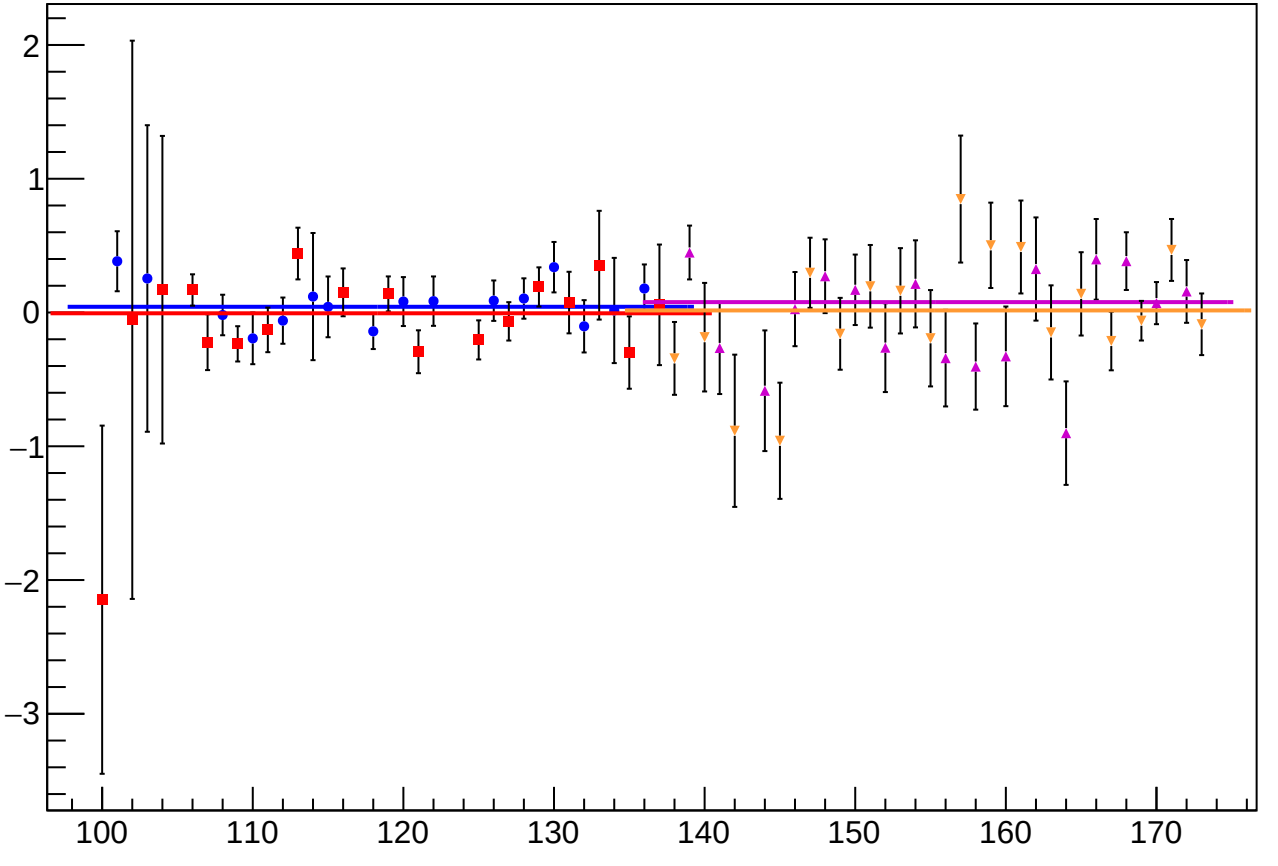
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 156.565+/-0.027 χ^2/NDF:8033942.8/32

Out: 140.850+/-0.026 χ^2/NDF:10911013.5/35

All: 148.209+/-0.019 χ^2/NDF: 19120860.6/68

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: 0.016+/-0.066 χ^2/NDF:25.0/17

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.078+/-0.067 χ^2/NDF:23.3/16

Left: 0.046+/-0.047 χ^2/NDF: 48.7/34

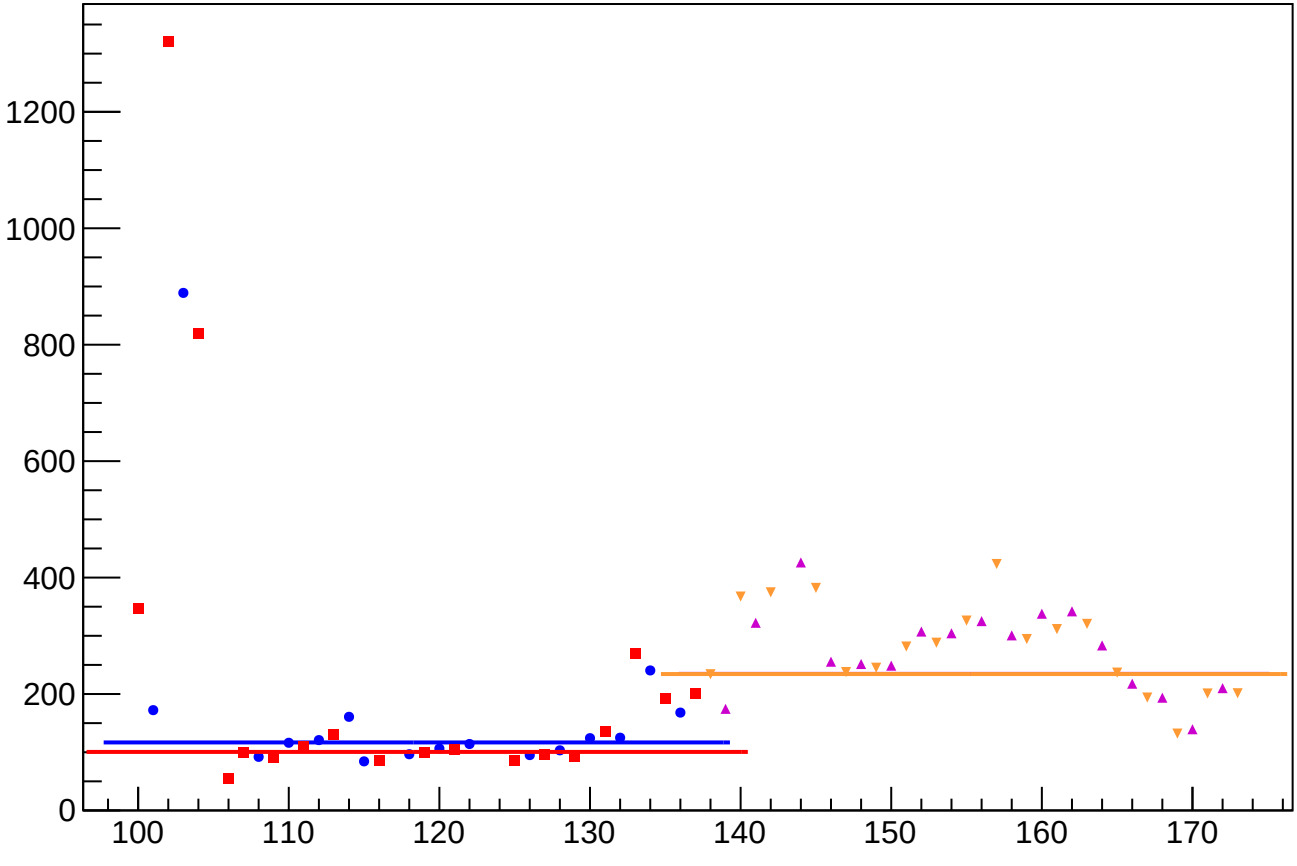
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.055+/-0.039 χ^2/NDF:33.7/32

Out: 0.001+/-0.036 χ^2/NDF:51.1/35

All: 0.026+/-0.026 χ^2/NDF: 85.8/68

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: 234.309+/-0.047 χ^2/NDF:2516973.8/17

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 234.594+/-0.047 χ^2/NDF:2260831.1/16

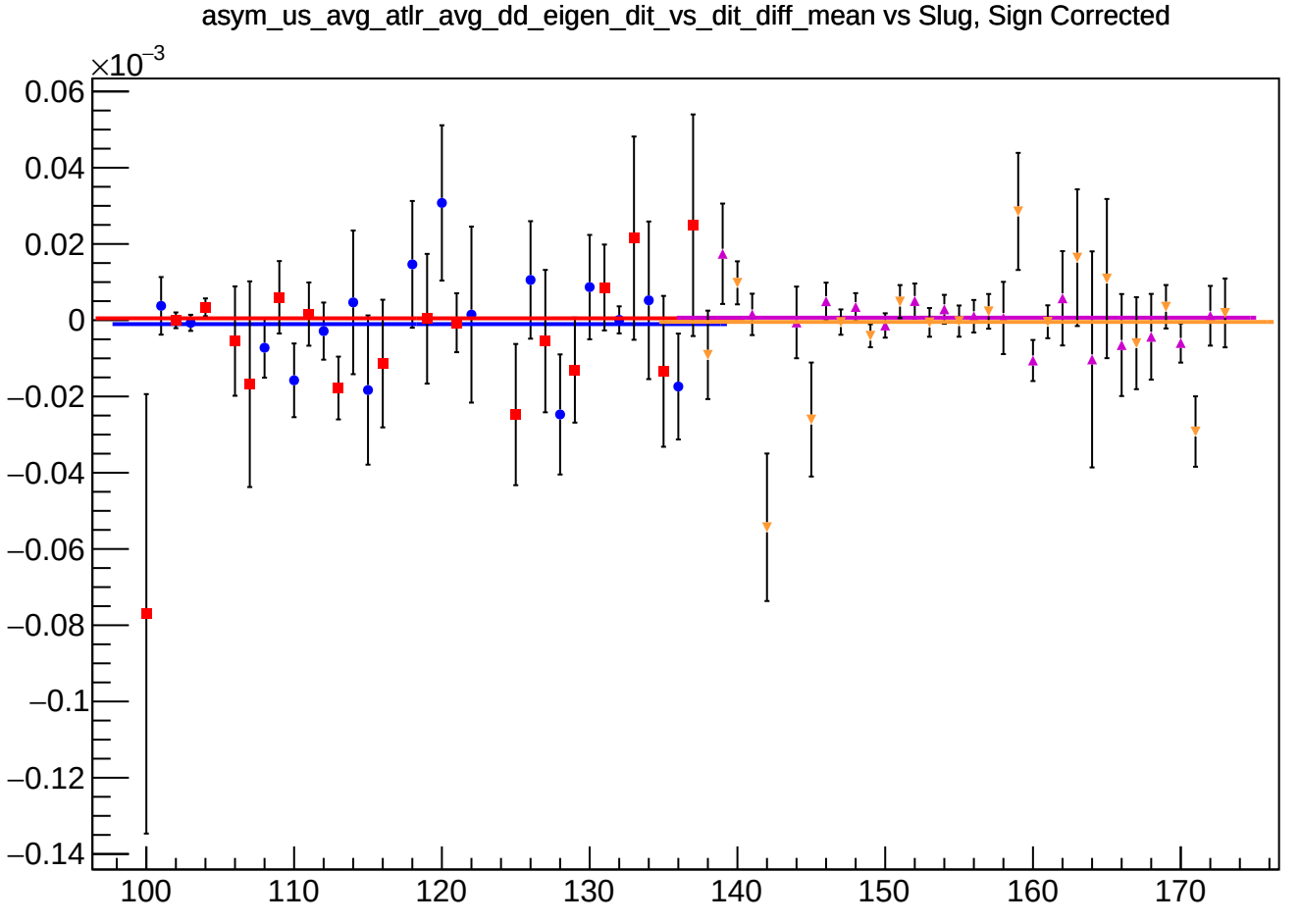
Left: 234.451+/-0.033 χ^2/NDF: 4777823.3/34

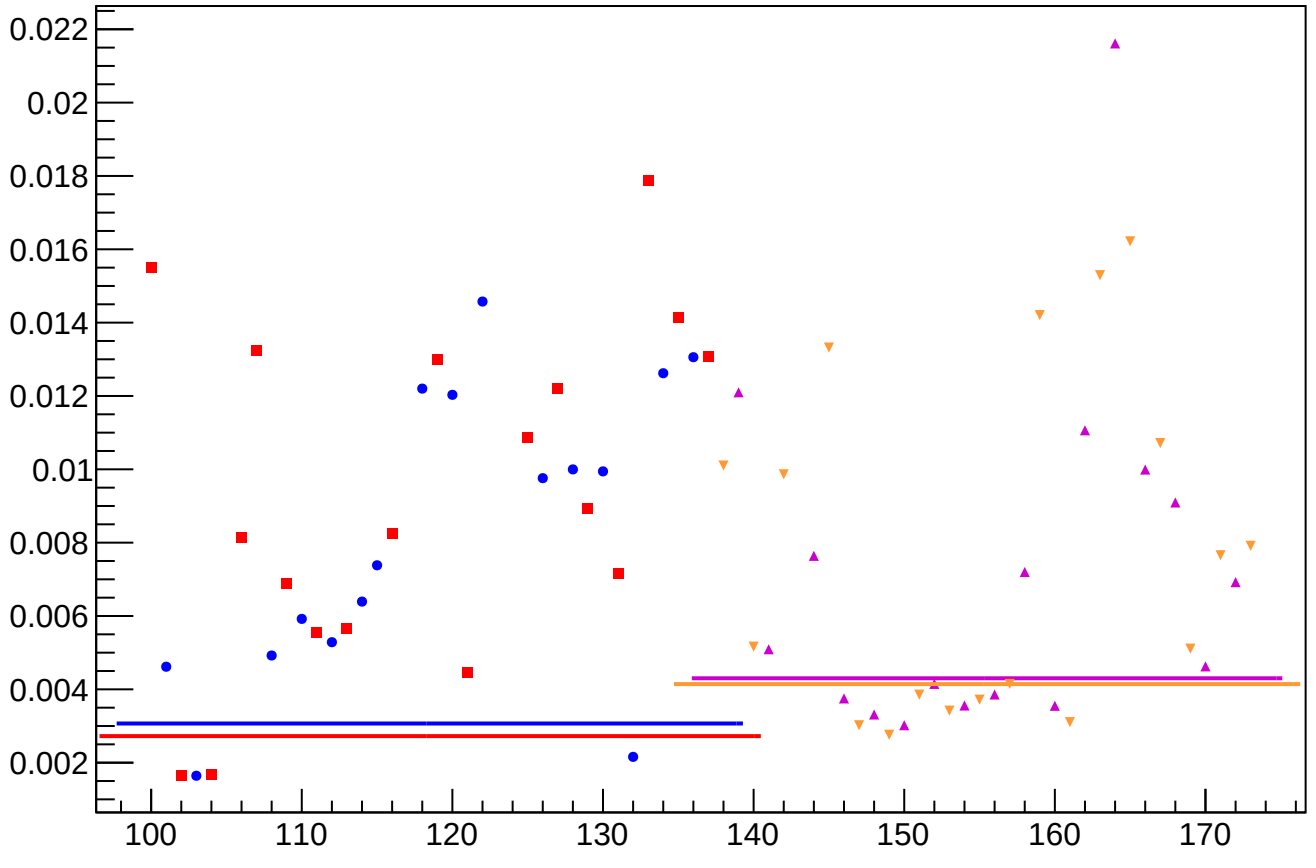
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 156.565+/-0.027 χ^2/NDF:8033942.8/32

Out: 140.850+/-0.026 χ^2/NDF:10911013.5/35

All: 148.209+/-0.019 χ^2/NDF: 19120860.6/68


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 12.6/15
Left Out: -0.000+/-0.000 χ²/NDF:33.1/17
Right Out: 0.000+/-0.000 χ²/NDF: 15.1/17
Left In: 0.000+/-0.000 χ²/NDF:11.5/16
Left: 0.000+/-0.000 χ²/NDF: 45.0/34
Right: -0.000+/-0.000 χ²/NDF: 28.1/33
In: -0.000+/-0.000 χ²/NDF:24.8/32
Out: -0.000+/-0.000 χ²/NDF:48.4/35
All: -0.000+/-0.000 χ²/NDF: 73.1/68



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:5980523.8/17

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:4120845.7/16

Left: 0.004+/-0.000 χ^2/NDF: 10115953.1/34

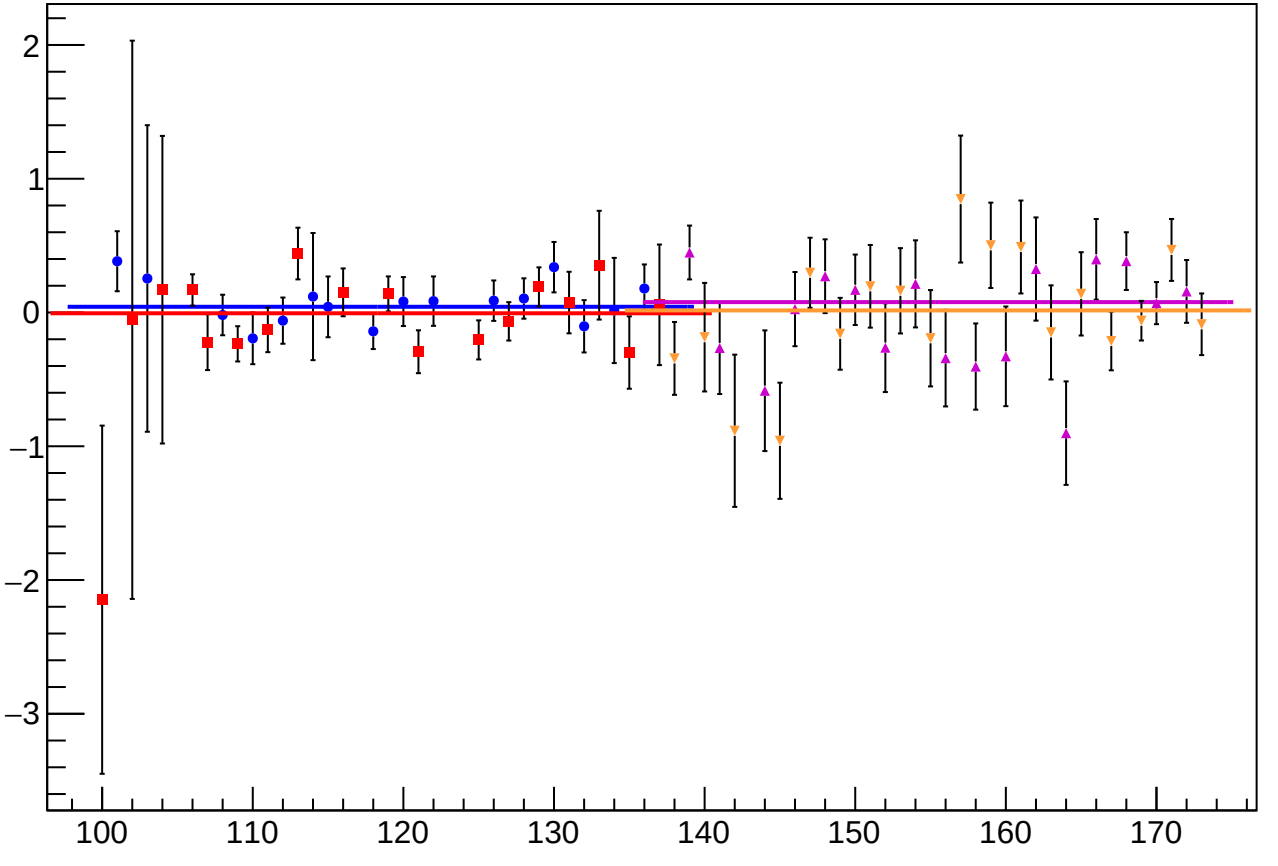
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.004+/-0.000 χ^2/NDF:10794760.5/32

Out: 0.003+/-0.000 χ^2/NDF:13809552.7/35

All: 0.004+/-0.000 χ^2/NDF: 24695398.8/68

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: 0.016+/-0.066 χ^2/NDF:25.0/17

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.078+/-0.067 χ^2/NDF:23.3/16

Left: 0.046+/-0.047 χ^2/NDF: 48.7/34

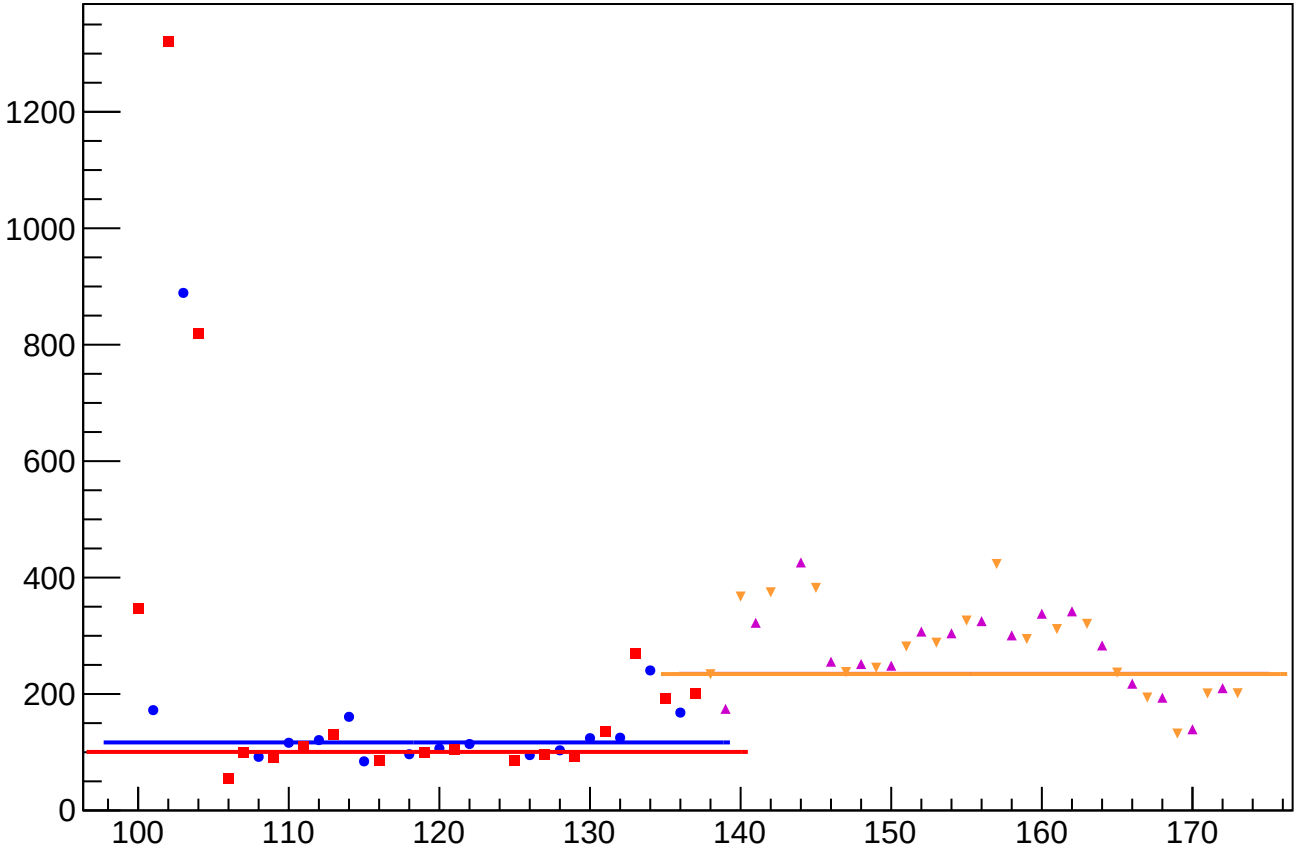
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.055+/-0.039 χ^2/NDF:33.7/32

Out: 0.001+/-0.036 χ^2/NDF:51.1/35

All: 0.026+/-0.026 χ^2/NDF: 85.8/68

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: 234.310+/-0.047 χ^2/NDF:2517090.3/17

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 234.596+/-0.047 χ^2/NDF:2260853.2/16

Left: 234.452+/-0.033 χ^2/NDF: 4777962.1/34

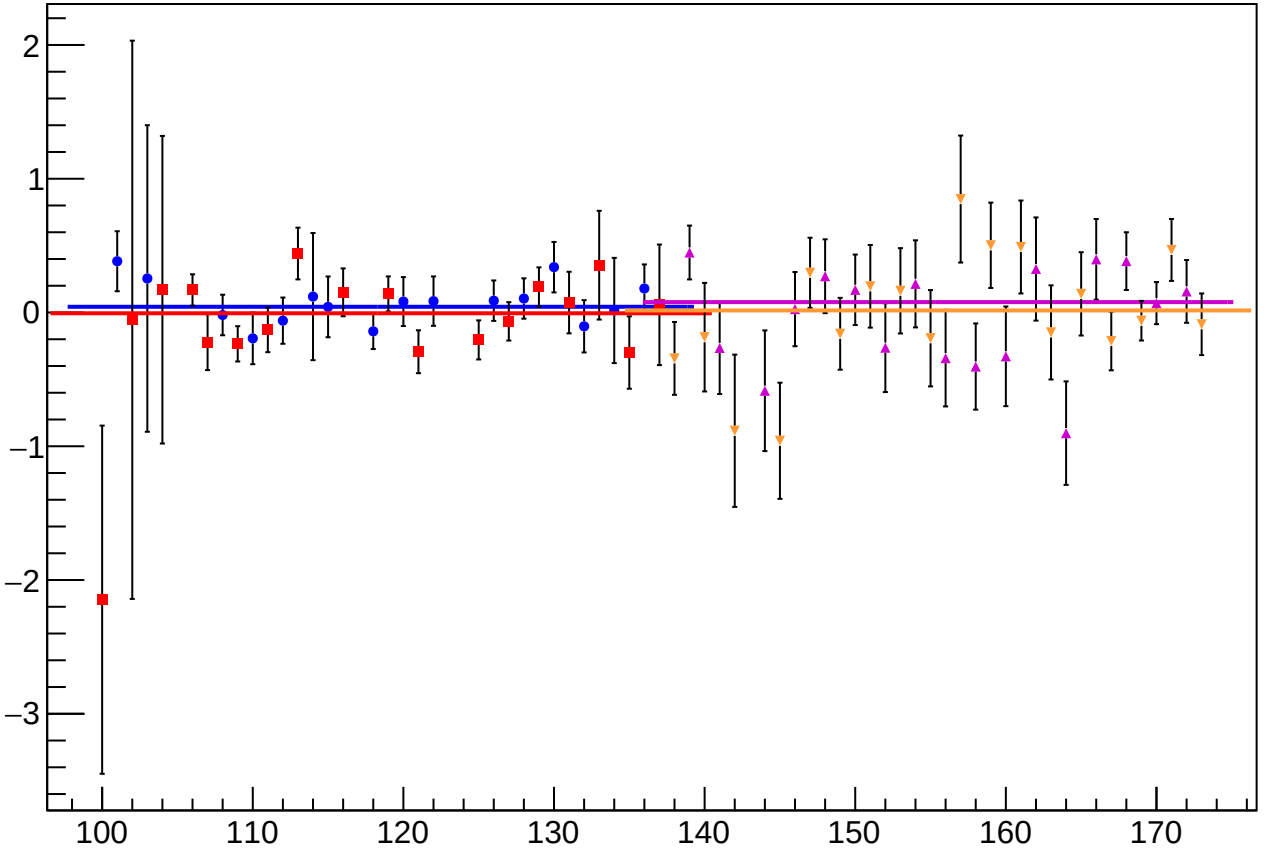
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 156.565+/-0.027 χ^2/NDF:8034065.4/32

Out: 140.849+/-0.026 χ^2/NDF:10911309.2/35

All: 148.208+/-0.019 χ^2/NDF: 19121305.4/68

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: 0.016+/-0.066 χ^2/NDF:25.0/17

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.078+/-0.067 χ^2/NDF:23.3/16

Left: 0.046+/-0.047 χ^2/NDF: 48.7/34

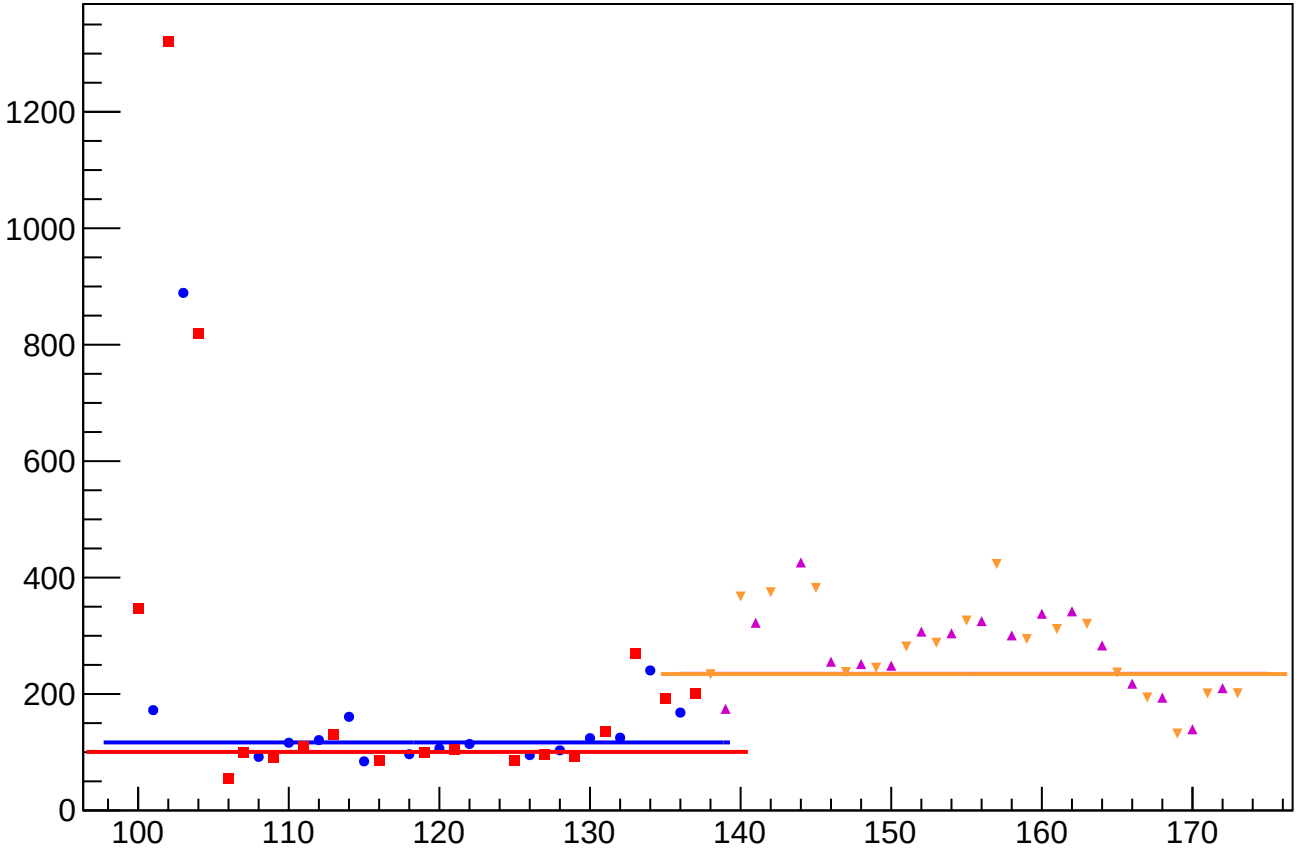
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.055+/-0.039 χ^2/NDF:33.7/32

Out: 0.001+/-0.036 χ^2/NDF:51.1/35

All: 0.026+/-0.026 χ^2/NDF: 85.8/68

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: 234.310+/-0.047 χ^2/NDF:2517090.3/17

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 234.596+/-0.047 χ^2/NDF:2260853.2/16

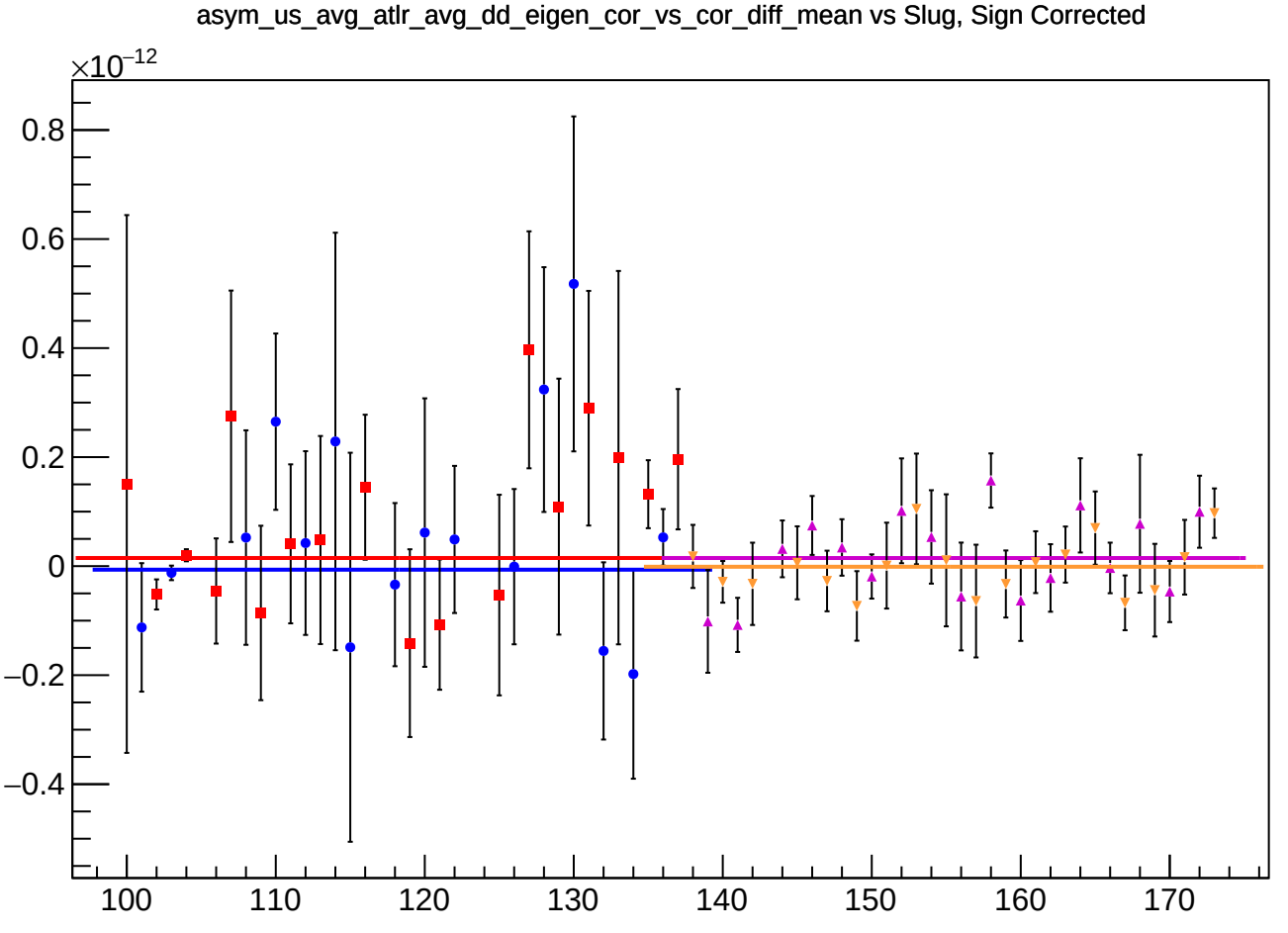
Left: 234.452+/-0.033 χ^2/NDF: 4777962.1/34

Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 156.565+/-0.027 χ^2/NDF:8034065.4/32

Out: 140.849+/-0.026 χ^2/NDF:10911309.2/35

All: 148.208+/-0.019 χ^2/NDF: 19121305.4/68



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: 0.000+/-0.000 χ^2/NDF:25.4/16

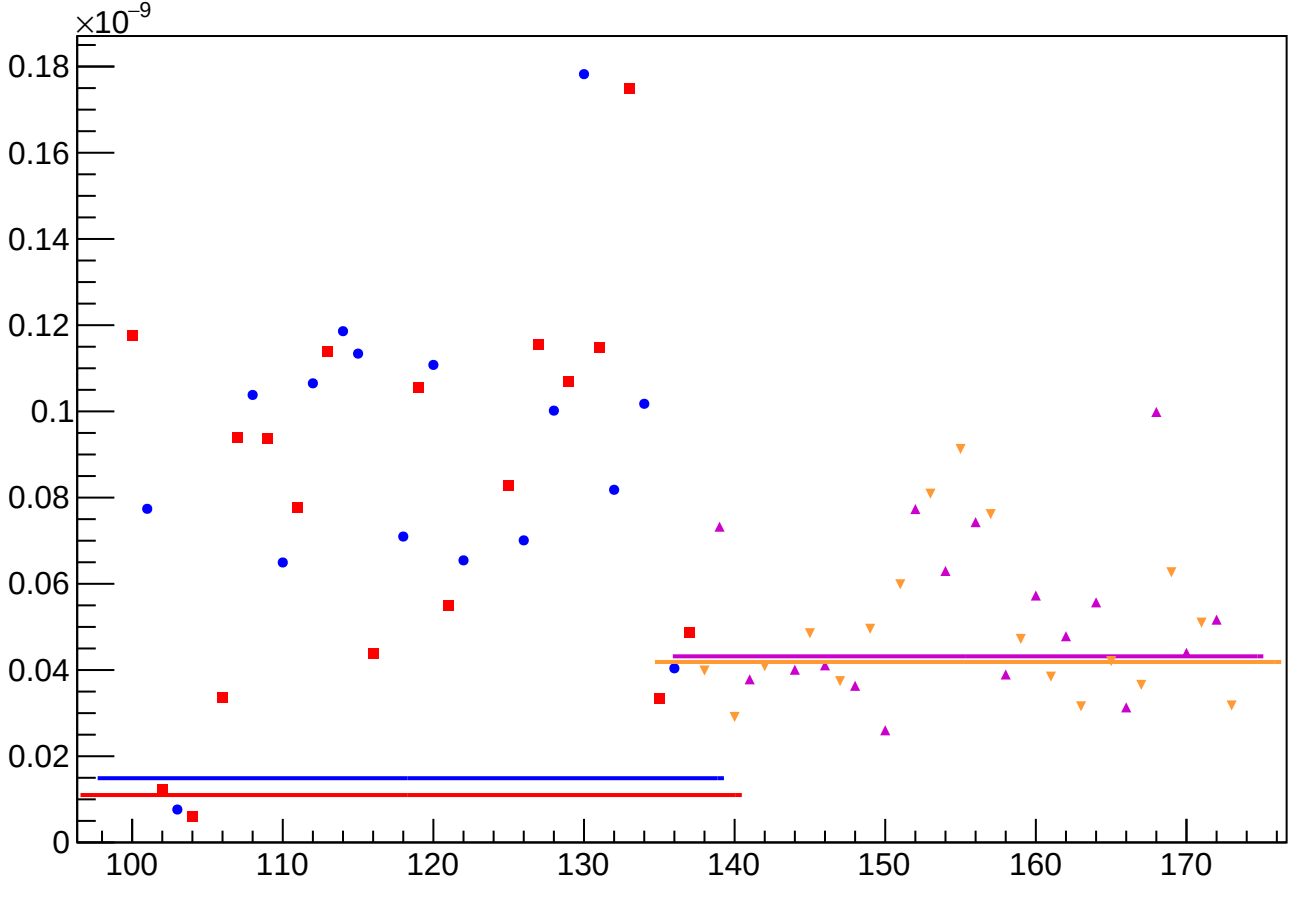
Left: 0.000+/-0.000 χ^2/NDF: 38.2/34

Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: 0.000+/-0.000 χ^2/NDF:39.7/32

Out: 0.000+/-0.000 χ^2/NDF:34.9/35

All: 0.000+/-0.000 χ^2/NDF: 74.9/68



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1619689.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1892539.8/16

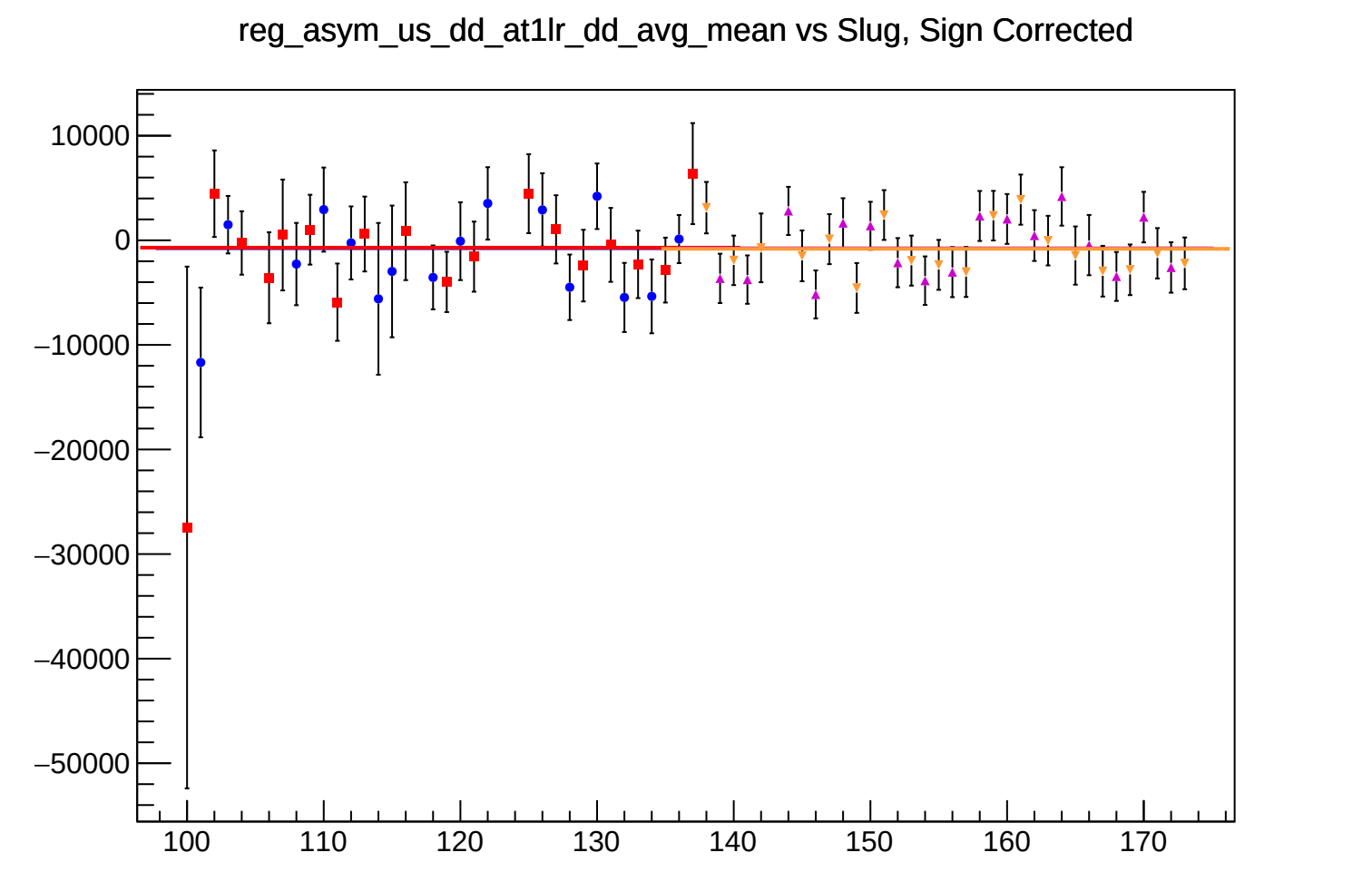
Left: 0.000+/-0.000 χ^2/NDF: 3520228.9/34

Right: 0.000+/-0.000 χ^2/NDF: 11880361.2/33

In: 0.000+/-0.000 χ^2/NDF:12078034.3/32

Out: 0.000+/-0.000 χ^2/NDF:13698318.8/35

All: 0.000+/-0.000 χ^2/NDF: 26217224.7/68



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -814.326+/-577.854 χ^2/NDF:16.4/17

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -767.889+/-582.414 χ^2/NDF:24.1/16

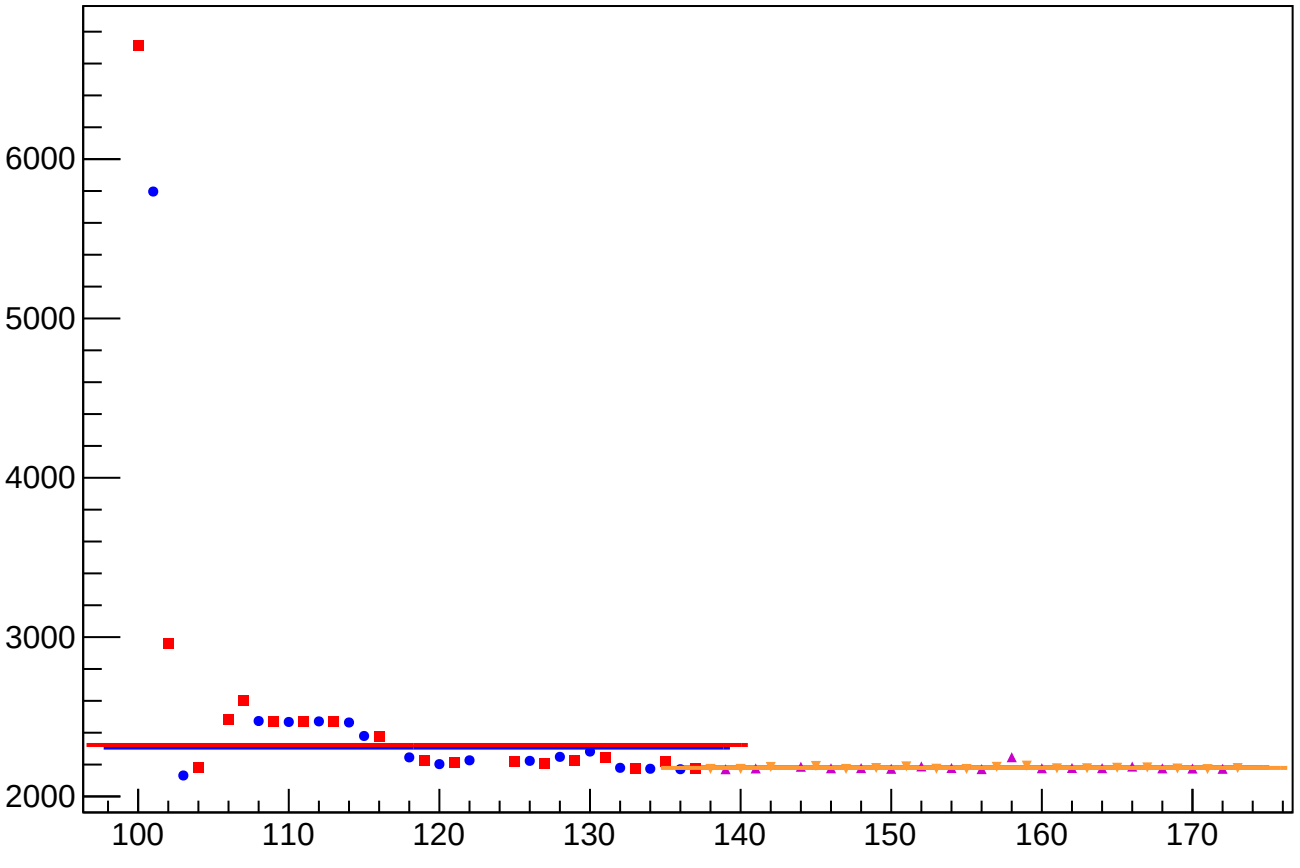
Left: -791.290+/-410.207 χ^2/NDF: 40.5/34

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -763.699+/-484.432 χ^2/NDF:40.0/32

Out: -779.927+/-481.121 χ^2/NDF:28.8/35

All: -771.869+/-341.369 χ^2/NDF: 68.8/68



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2178.960+/-0.409 χ^2/NDF:274.5/17

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2181.895+/-0.412 χ^2/NDF:1685.3/16

Left: 2180.416+/-0.290 χ^2/NDF: 1985.4/34

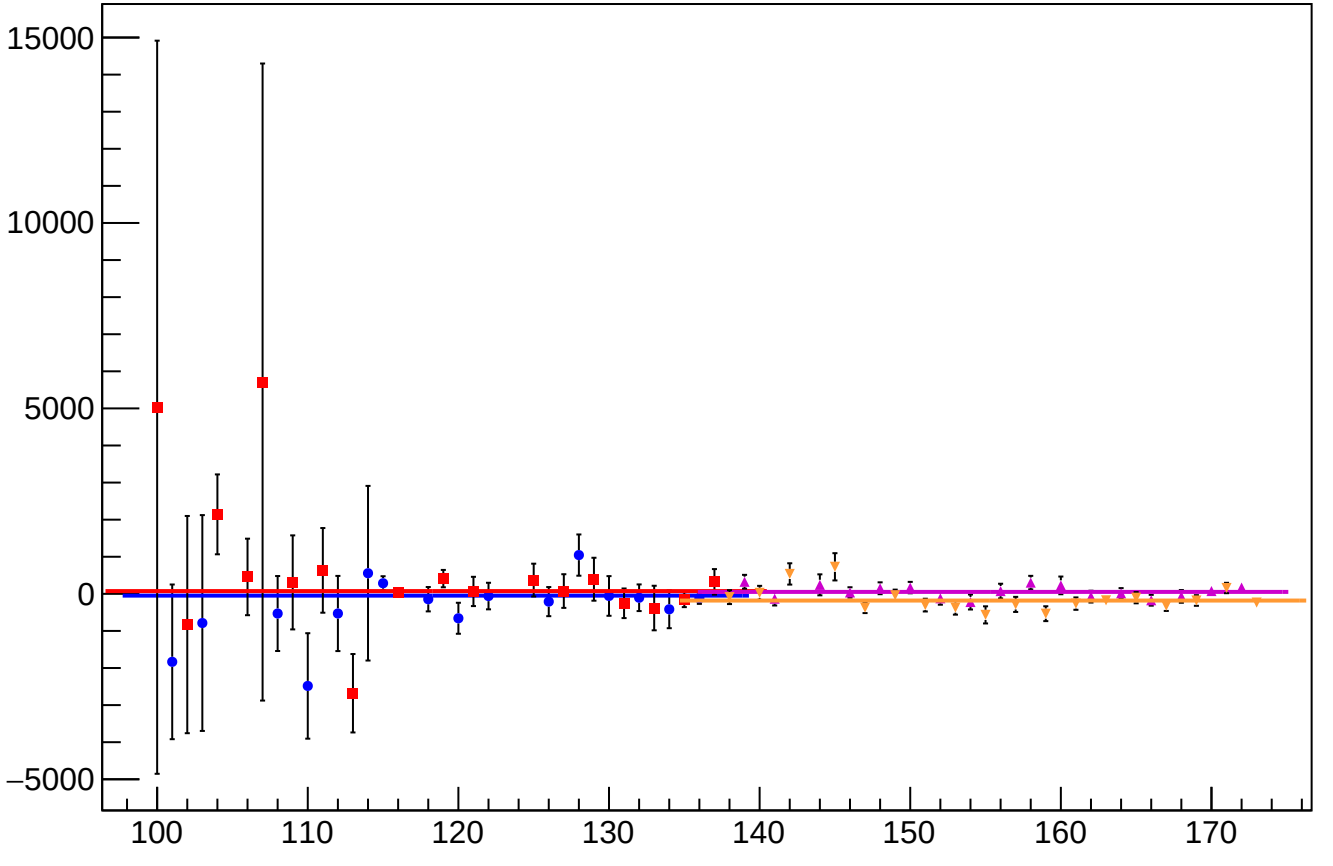
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2220.338+/-0.343 χ^2/NDF:544111.6/32

Out: 2223.152+/-0.340 χ^2/NDF:190189.7/35

All: 2221.755+/-0.241 χ^2/NDF: 734335.2/68

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: -180.849+/-38.829 χ^2/NDF:31.7/17

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 52.110+/-39.659 χ^2/NDF:14.5/16

Left: -66.834+/-27.745 χ^2/NDF: 63.8/34

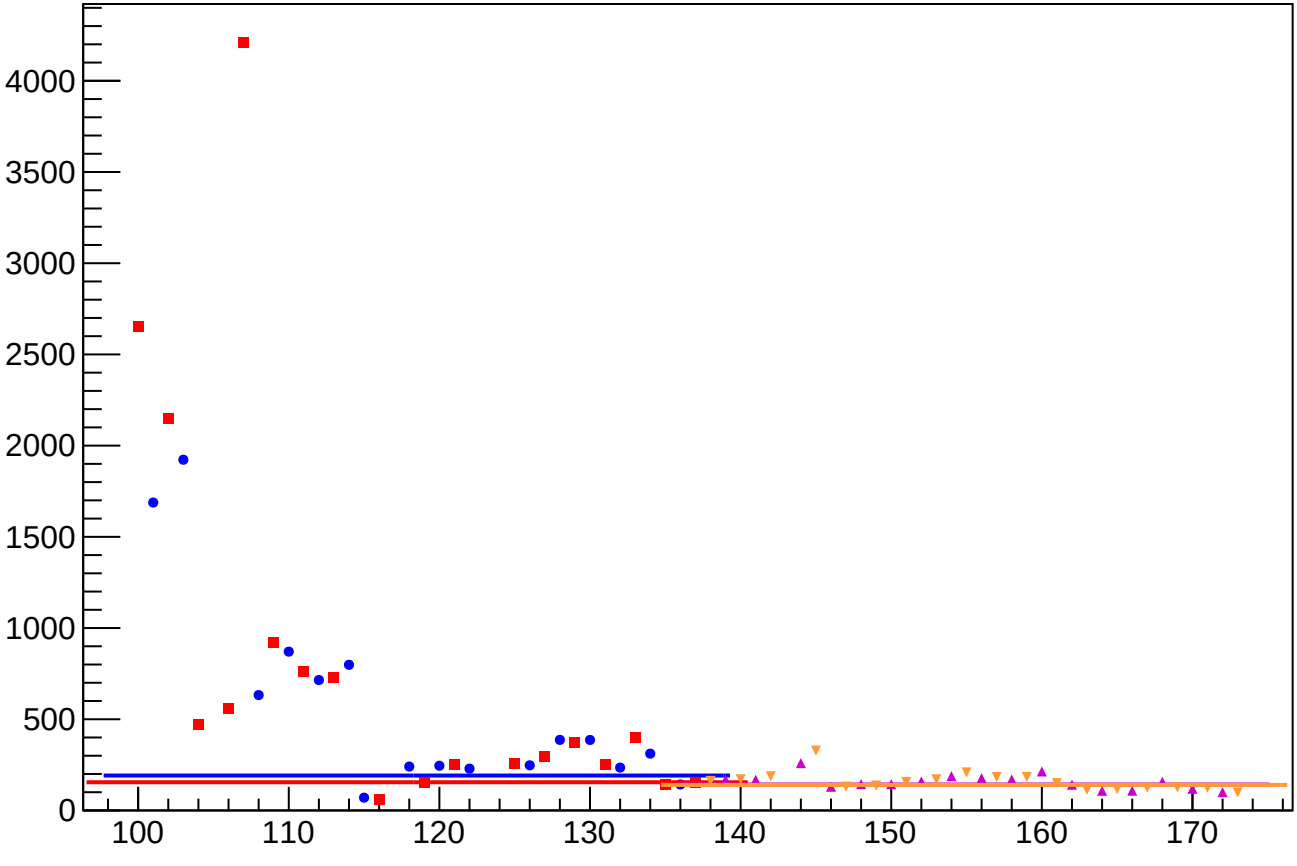
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 36.116+/-36.351 χ^2/NDF:29.9/32

Out: -134.490+/-35.123 χ^2/NDF:57.2/35

All: -52.117+/-25.259 χ^2/NDF: 98.5/68

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: 139.960+/-0.027 χ^2/NDF:1564344.8/17

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 142.292+/-0.028 χ^2/NDF:1411198.6/16

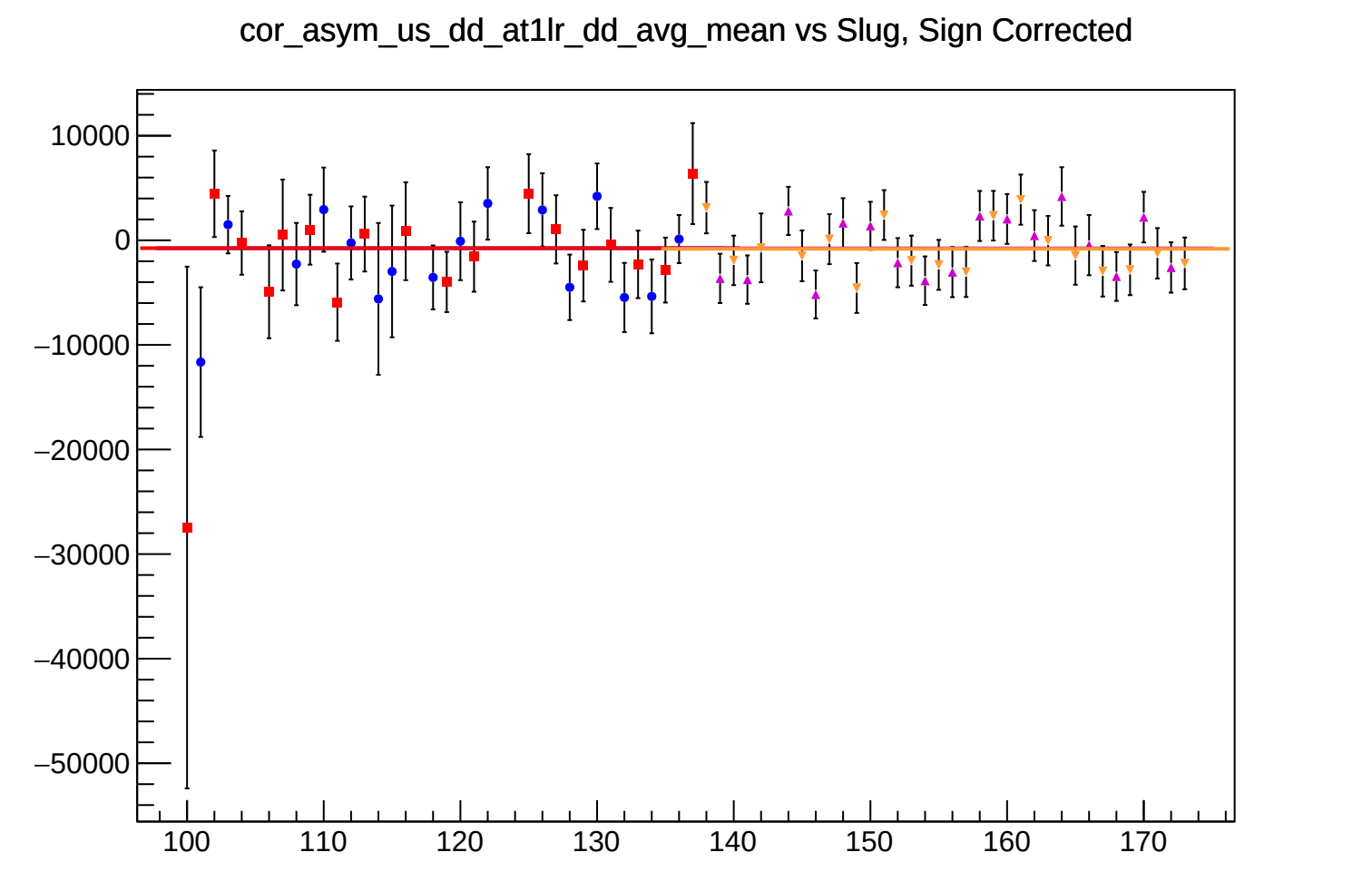
Left: 141.101+/-0.020 χ^2/NDF: 2979075.5/34

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 150.140+/-0.026 χ^2/NDF:6965801.2/32

Out: 142.635+/-0.025 χ^2/NDF:7770853.0/35

All: 146.259+/-0.018 χ^2/NDF: 14780747.8/68



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -814.300+/-577.854 χ^2/NDF:16.4/17

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -767.859+/-582.414 χ^2/NDF:24.1/16

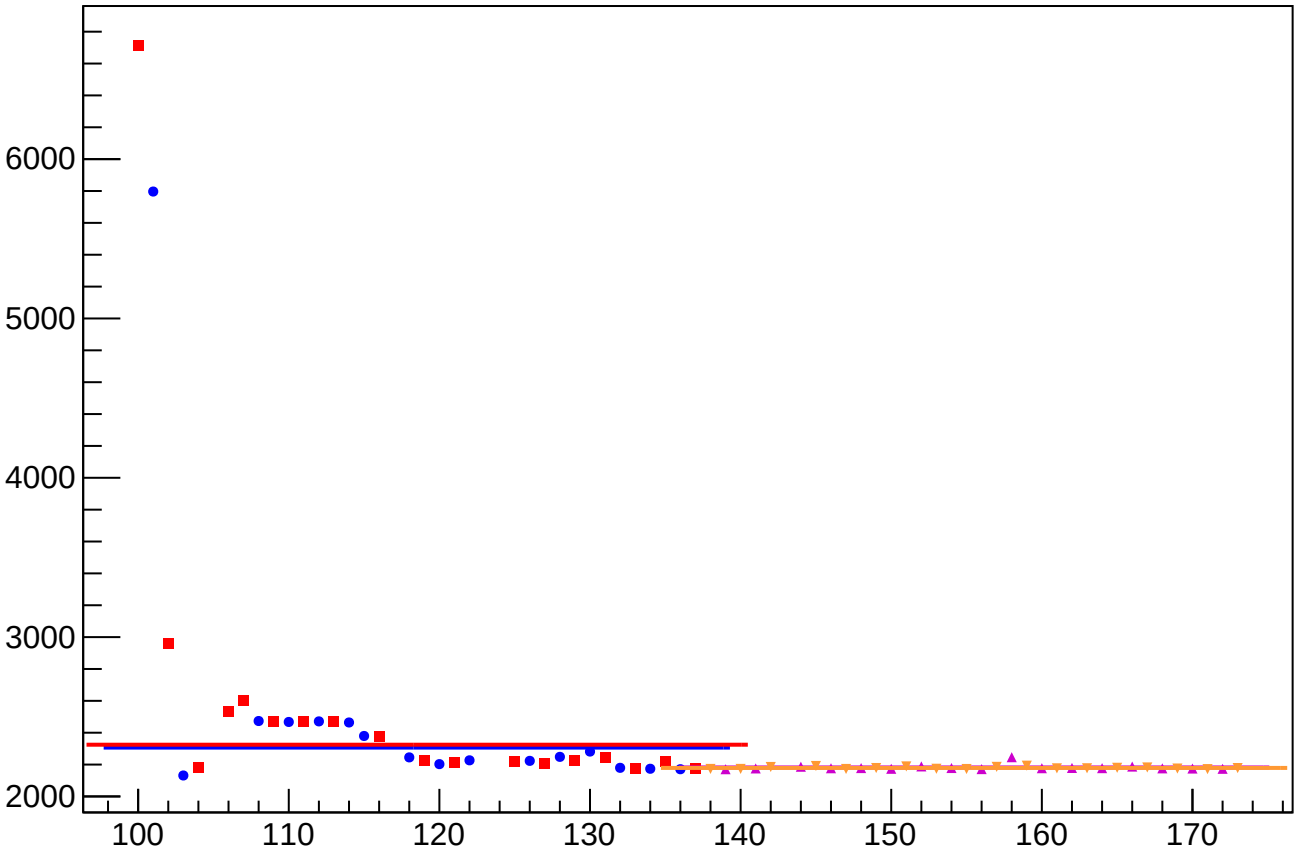
Left: -791.262+/-410.207 χ^2/NDF: 40.5/34

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -763.379+/-484.432 χ^2/NDF:40.0/32

Out: -794.388+/-481.243 χ^2/NDF:29.2/35

All: -778.986+/-341.412 χ^2/NDF: 69.2/68



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.960+/-0.409 χ^2/NDF:274.5/17

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2181.895+/-0.412 χ^2/NDF:1685.3/16

Left: 2180.416+/-0.290 χ^2/NDF: 1985.4/34

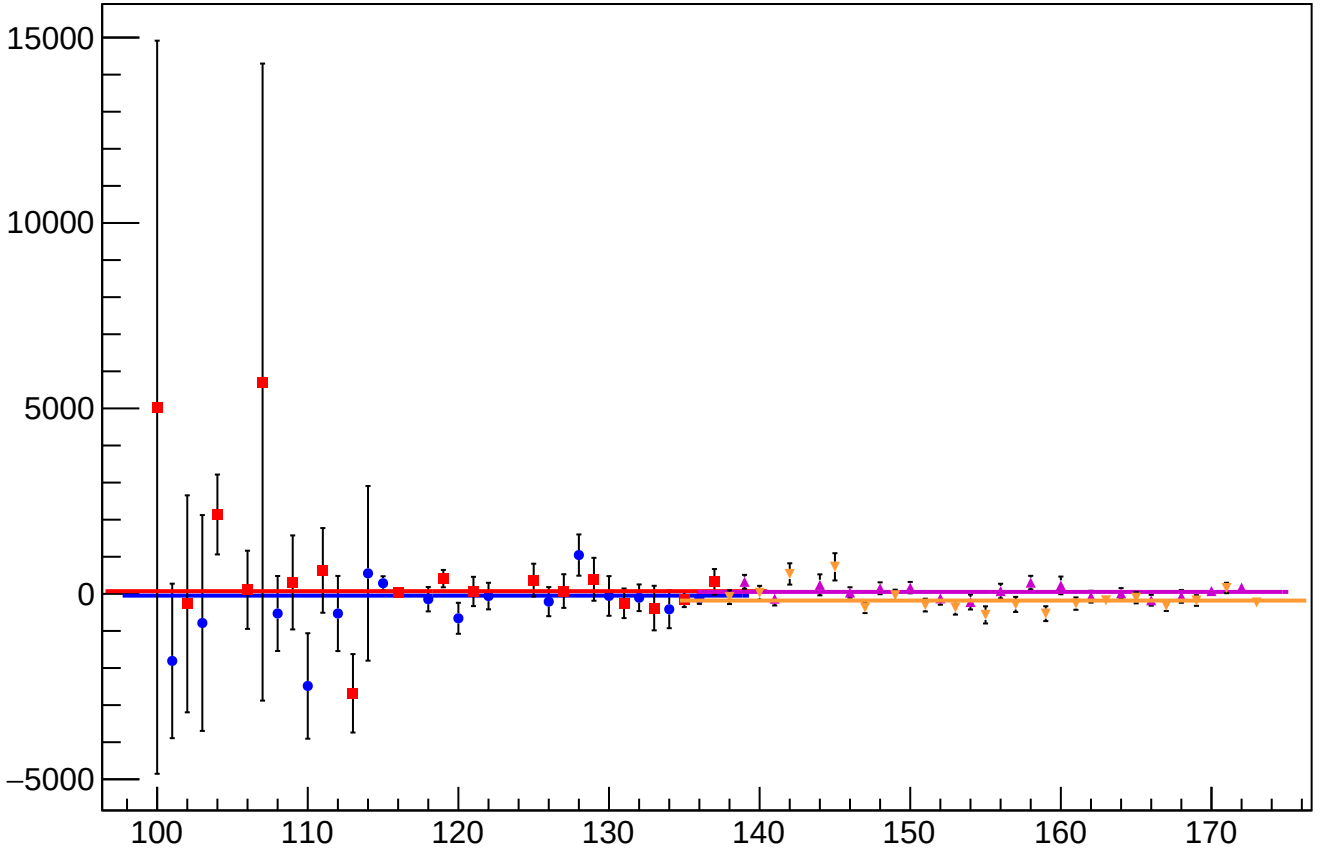
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2220.338+/-0.343 χ^2/NDF:544111.9/32

Out: 2223.614+/-0.340 χ^2/NDF:192827.8/35

All: 2221.987+/-0.241 χ^2/NDF: 736985.8/68

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: -180.825+/-38.831 χ^2/NDF:31.7/17

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 52.042+/-39.661 χ^2/NDF:14.5/16

Left: -66.853+/-27.747 χ^2/NDF: 63.8/34

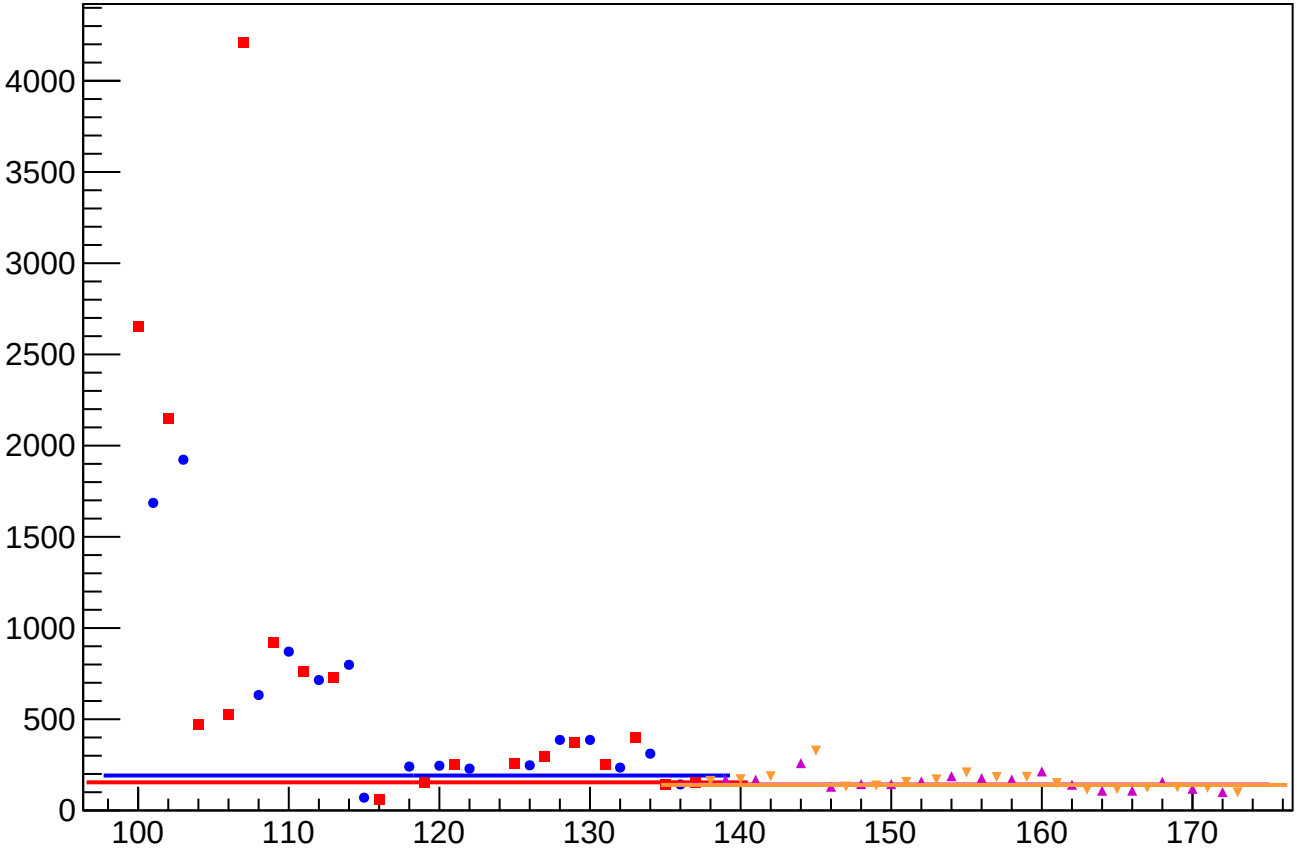
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 36.055+/-36.353 χ^2/NDF:29.8/32

Out: -134.773+/-35.120 χ^2/NDF:56.8/35

All: -52.304+/-25.258 χ^2/NDF: 98.1/68

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: 139.969+/-0.027 χ^2/NDF:1563873.4/17

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 142.298+/-0.028 χ^2/NDF:1411753.9/16

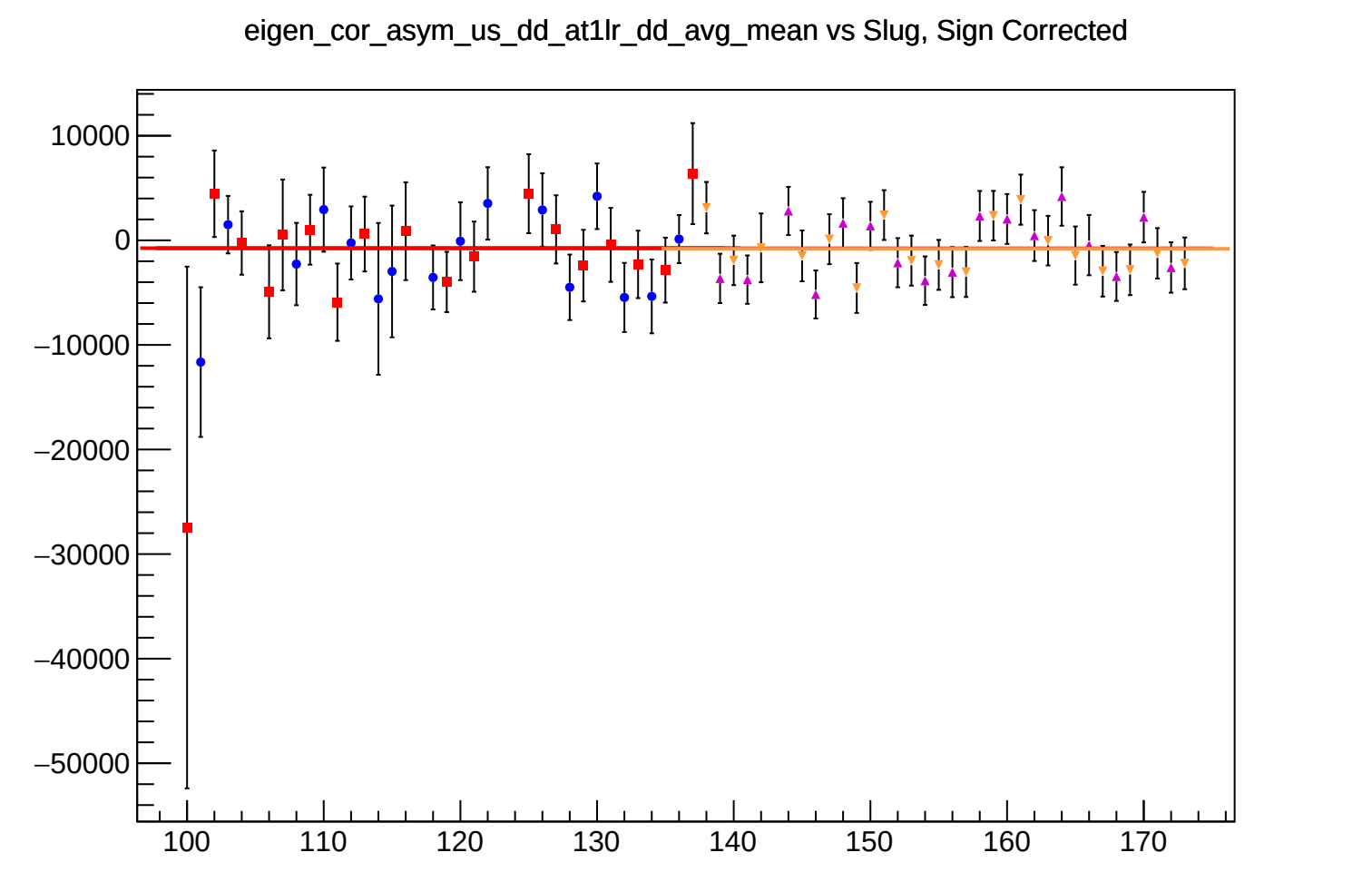
Left: 141.109+/-0.020 χ^2/NDF: 2979148.5/34

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 150.149+/-0.026 χ^2/NDF:6965524.9/32

Out: 142.545+/-0.025 χ^2/NDF:7720887.0/35

All: 146.216+/-0.018 χ^2/NDF: 14731672.0/68



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -814.300+/-577.854 χ^2/NDF:16.4/17

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -767.859+/-582.414 χ^2/NDF:24.1/16

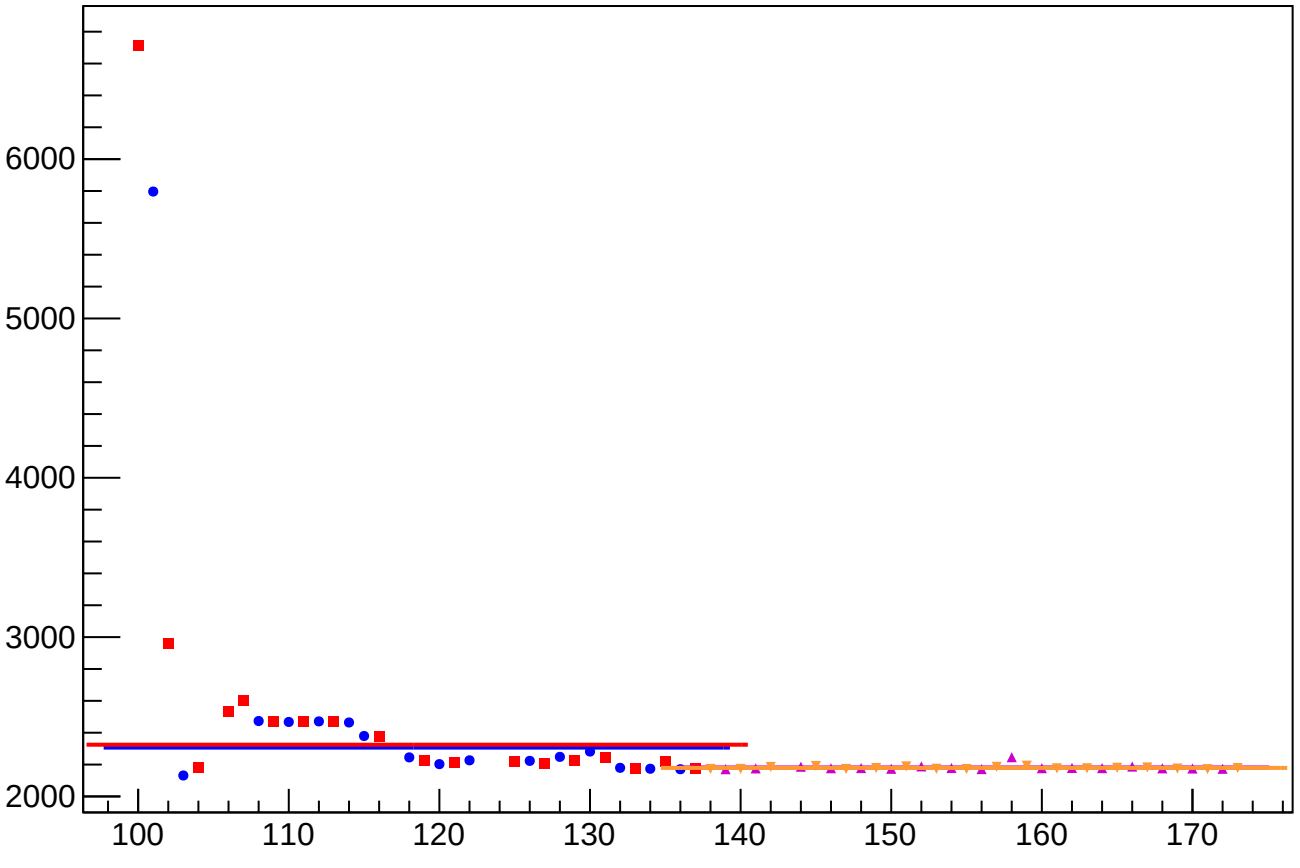
Left: -791.262+/-410.207 χ^2/NDF: 40.5/34

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -763.379+/-484.432 χ^2/NDF:40.0/32

Out: -794.388+/-481.243 χ^2/NDF:29.2/35

All: -778.986+/-341.412 χ^2/NDF: 69.2/68



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.960+/-0.409 χ^2/NDF:274.5/17

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2181.895+/-0.412 χ^2/NDF:1685.3/16

Left: 2180.416+/-0.290 χ^2/NDF: 1985.4/34

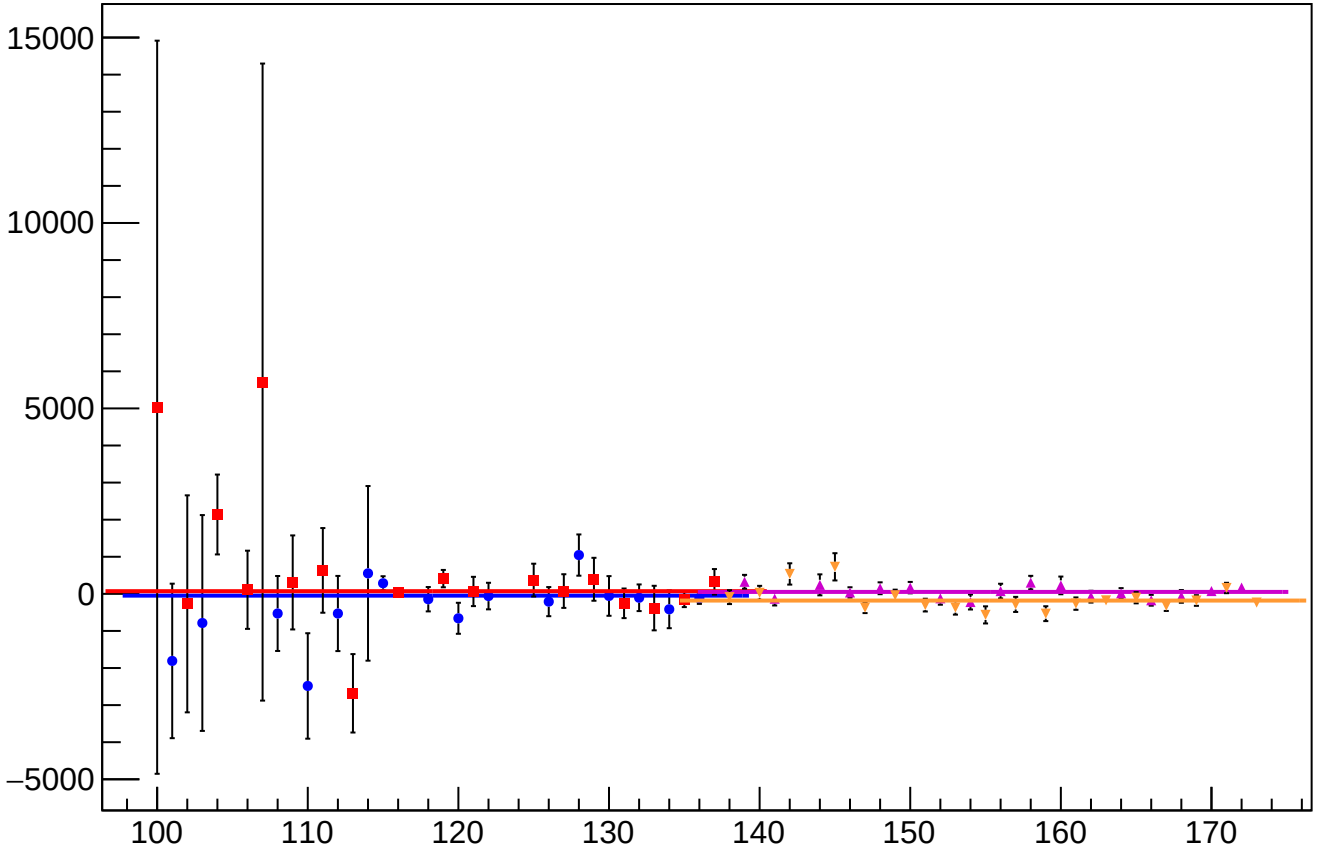
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2220.338+/-0.343 χ^2/NDF:544111.9/32

Out: 2223.614+/-0.340 χ^2/NDF:192827.8/35

All: 2221.987+/-0.241 χ^2/NDF: 736985.8/68

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: -180.825+/-38.831 χ^2/NDF:31.7/17

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 52.042+/-39.661 χ^2/NDF:14.5/16

Left: -66.853+/-27.747 χ^2/NDF: 63.8/34

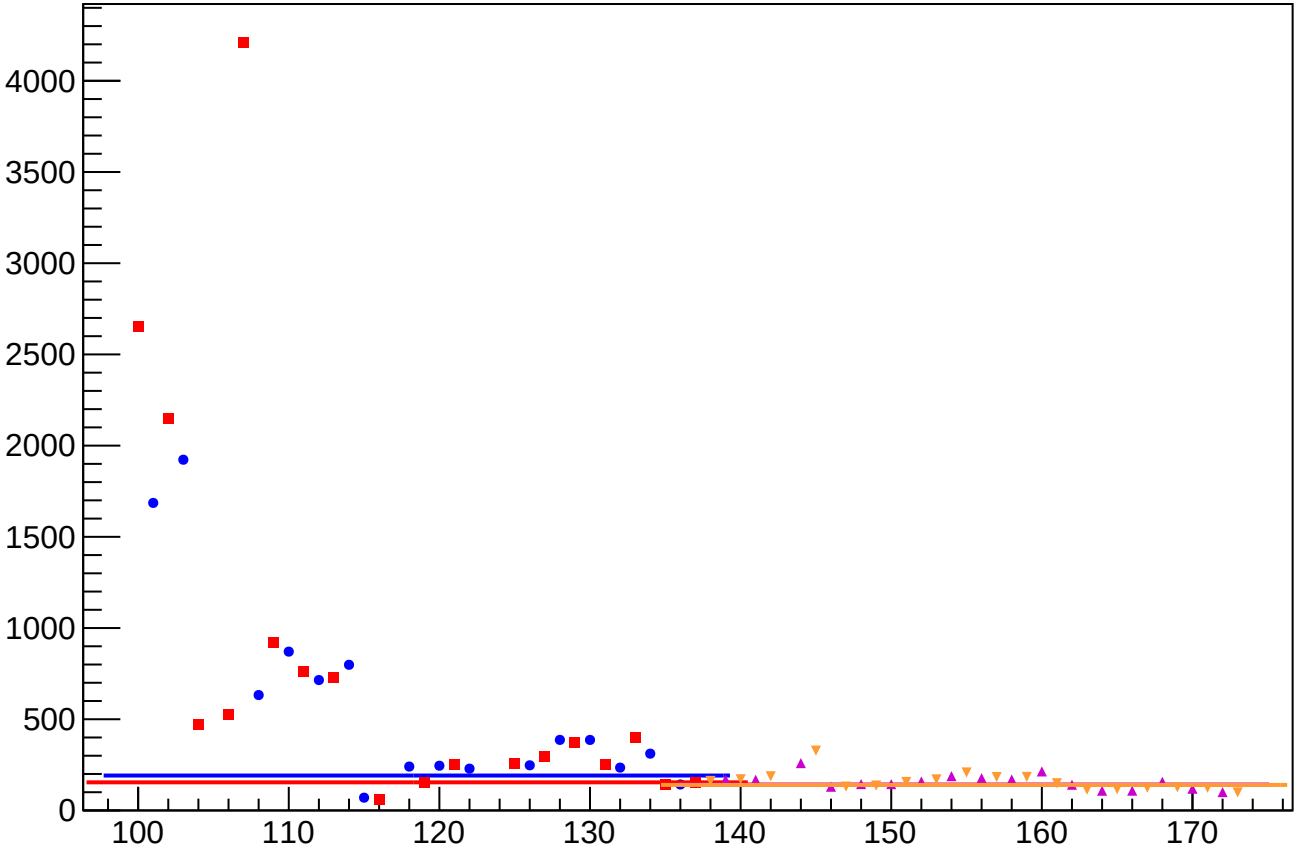
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 36.055+/-36.353 χ^2/NDF:29.8/32

Out: -134.773+/-35.120 χ^2/NDF:56.8/35

All: -52.304+/-25.258 χ^2/NDF: 98.1/68

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: 139.969+/-0.027 χ^2/NDF:1563873.4/17

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 142.298+/-0.028 χ^2/NDF:1411753.9/16

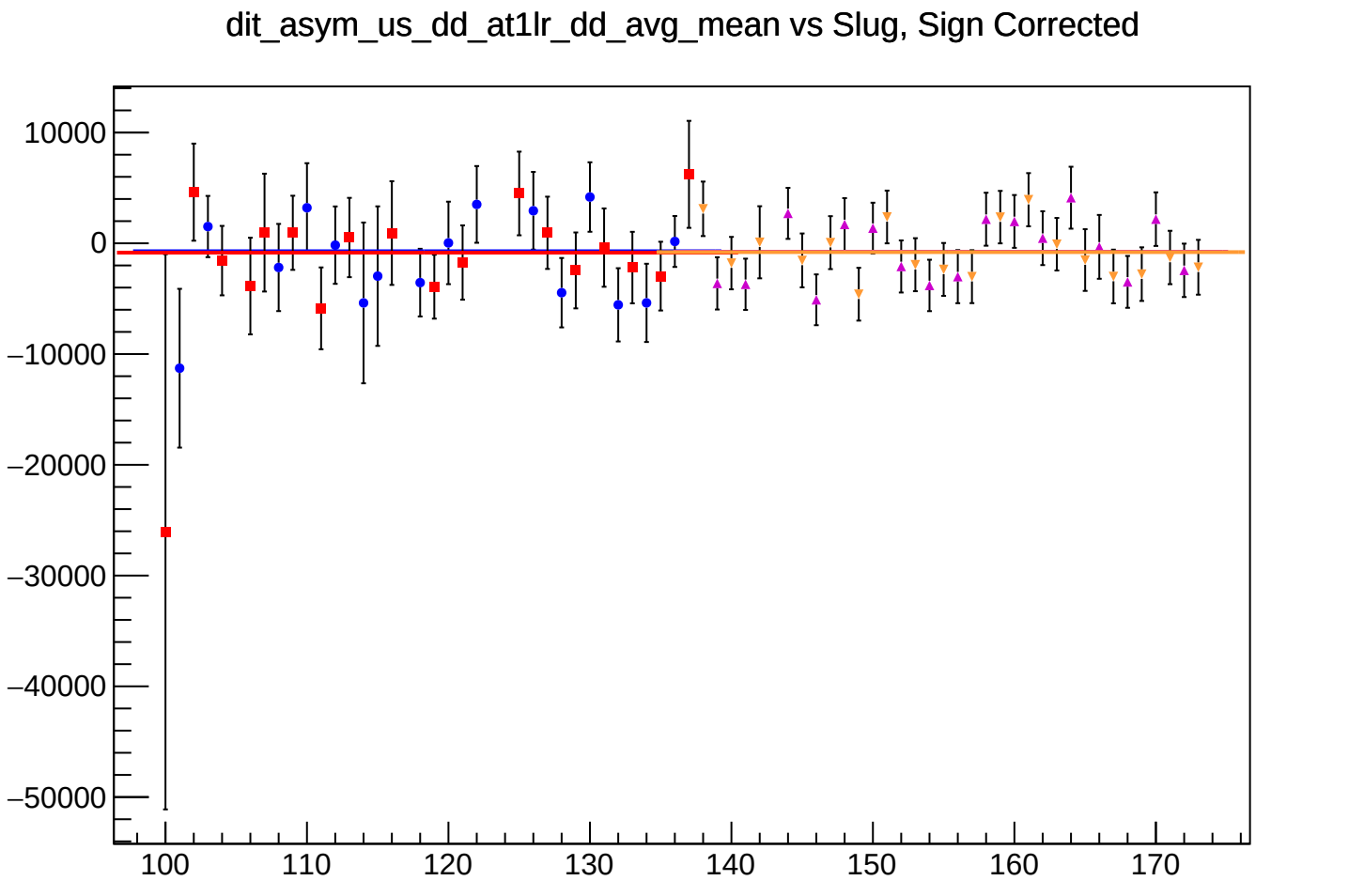
Left: 141.109+/-0.020 χ^2/NDF: 2979148.5/34

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 150.149+/-0.026 χ^2/NDF:6965524.9/32

Out: 142.545+/-0.025 χ^2/NDF:7720887.0/35

All: 146.216+/-0.018 χ^2/NDF: 14731672.0/68



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -794.805+/-577.854 χ^2/NDF:16.5/17

Right Out: -842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: -760.154+/-582.621 χ^2/NDF:23.2/16

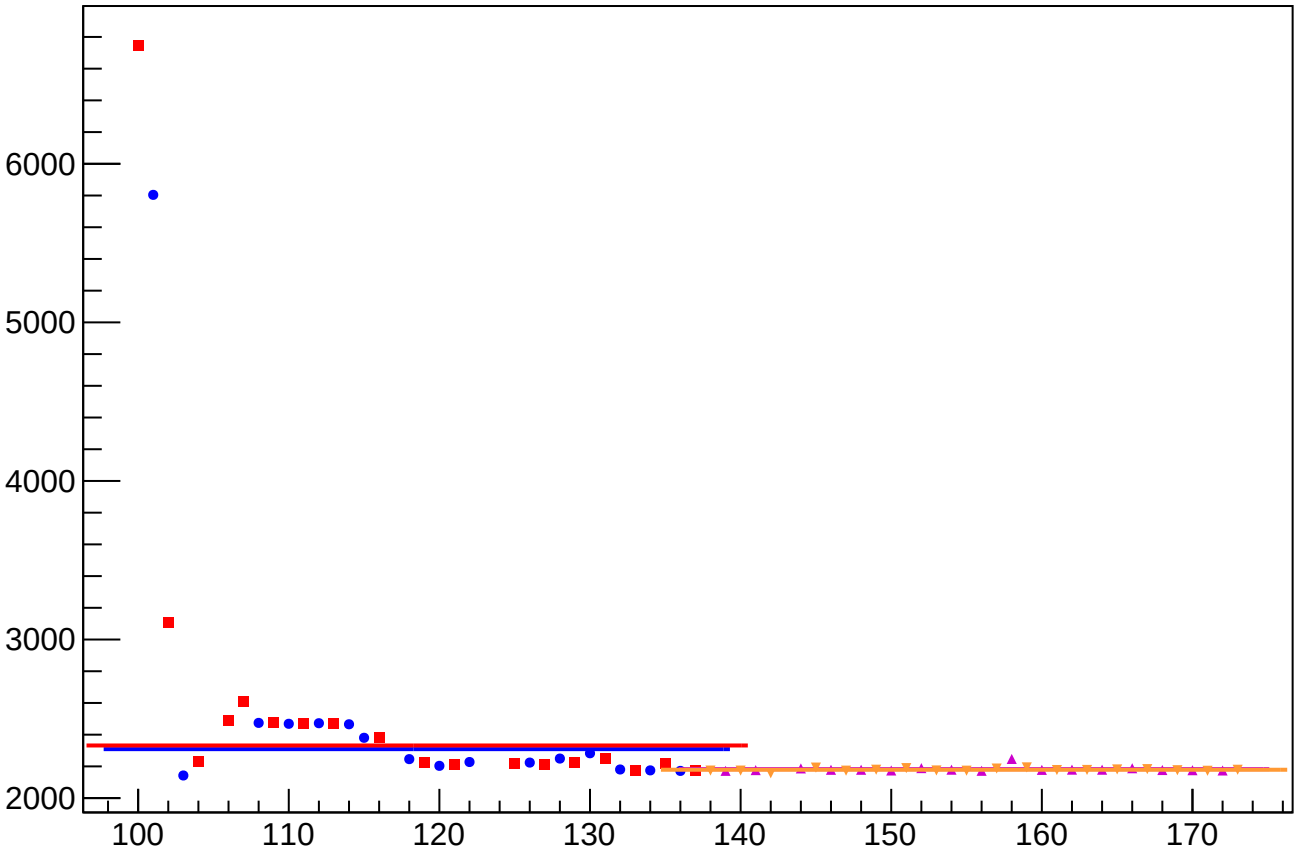
Left: -777.622+/-410.279 χ^2/NDF: 39.7/34

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -746.909+/-484.703 χ^2/NDF:39.1/32

Out: -809.218+/-481.956 χ^2/NDF:28.7/35

All: -778.240+/-341.761 χ^2/NDF: 67.8/68



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.779+/-0.409 χ^2/NDF:368.9/17

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2182.668+/-0.412 χ^2/NDF:1678.6/16

Left: 2180.708+/-0.290 χ^2/NDF: 2092.4/34

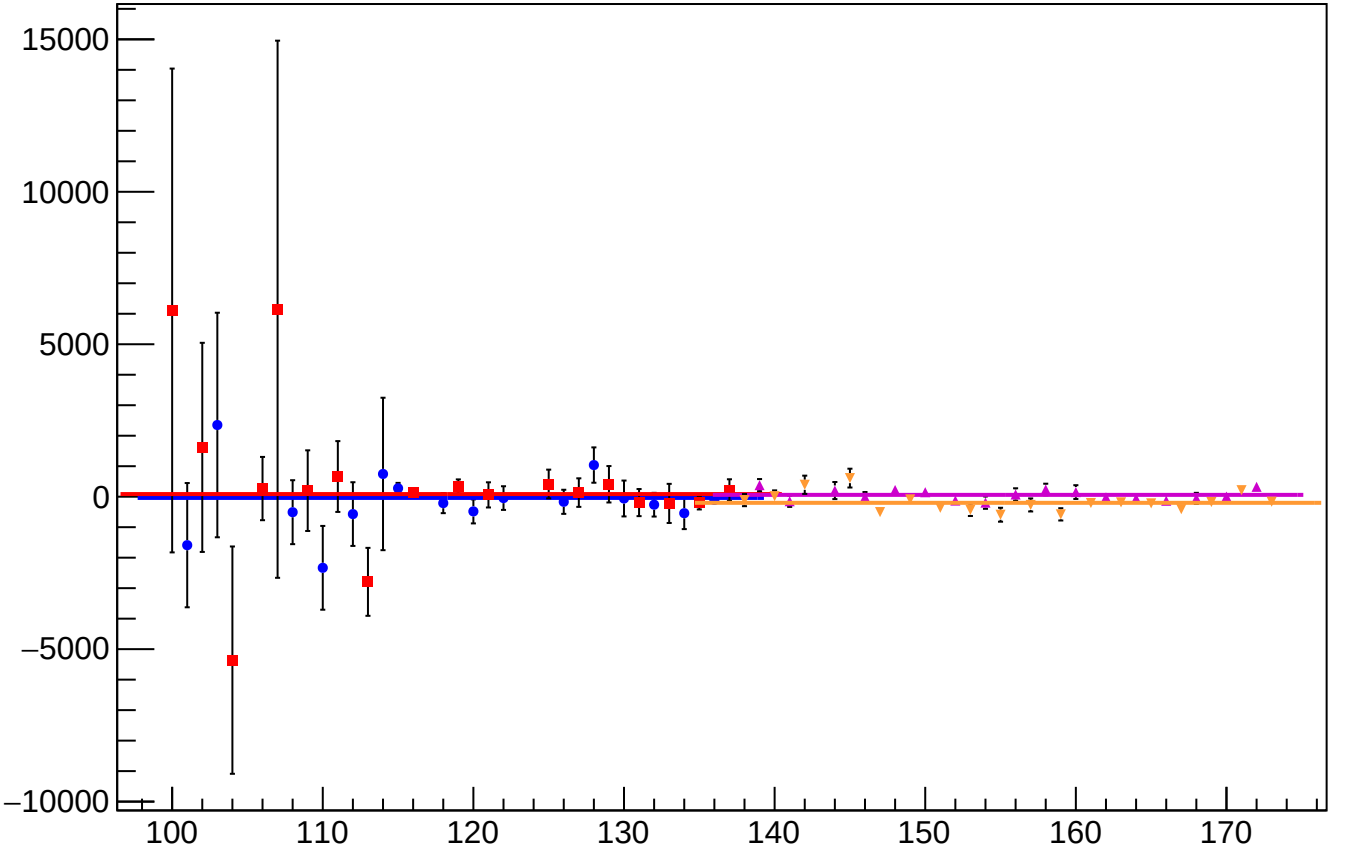
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2221.483+/-0.343 χ^2/NDF:544253.0/32

Out: 2225.370+/-0.341 χ^2/NDF:210405.2/35

All: 2223.437+/-0.242 χ^2/NDF: 754722.9/68

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: -200.871+/-39.171 χ^2/NDF:36.2/17

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 59.988+/-40.544 χ^2/NDF:17.4/16

Left: -74.930+/-28.171 χ^2/NDF: 75.0/34

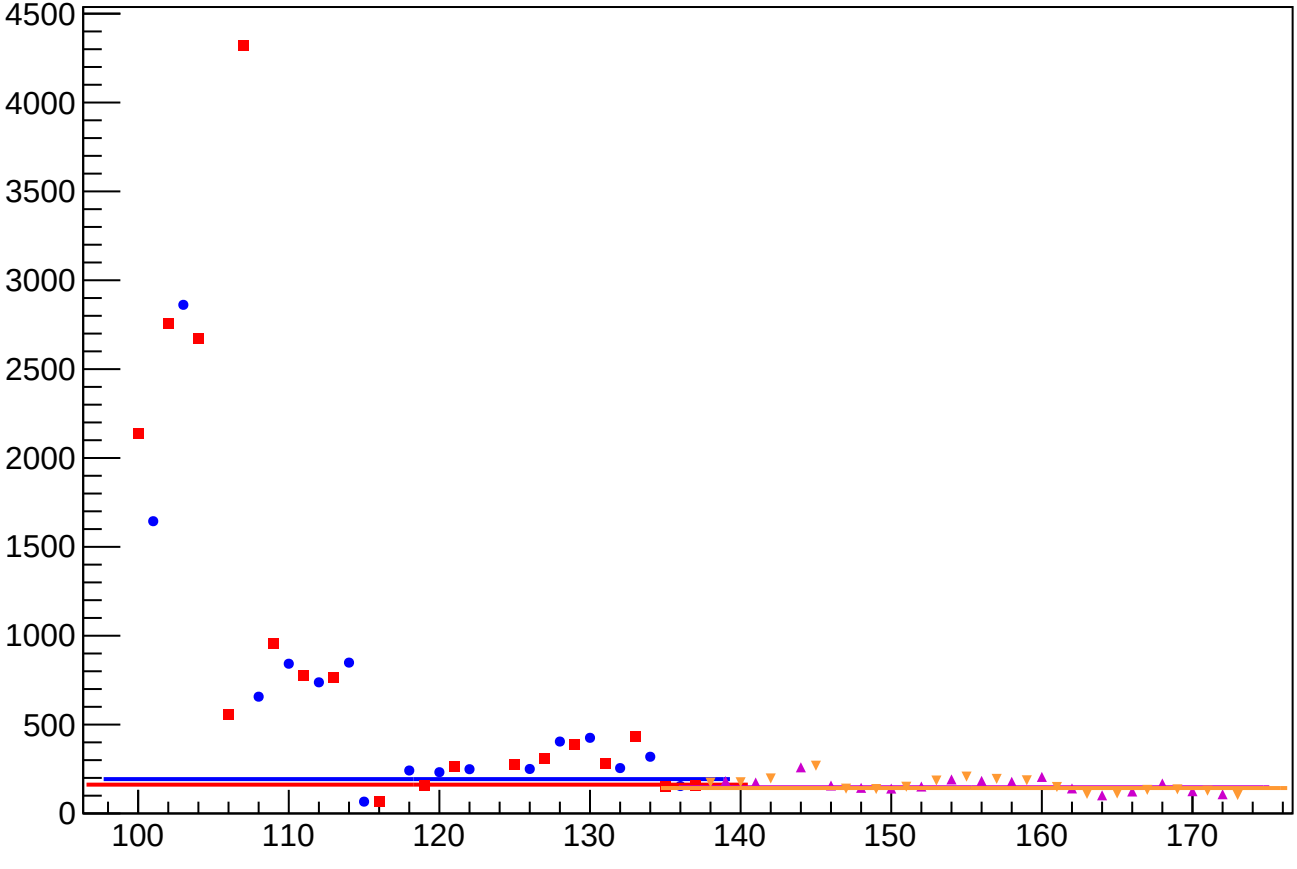
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 43.829+/-37.127 χ^2/NDF:32.4/32

Out: -151.600+/-35.654 χ^2/NDF:60.4/35

All: -57.840+/-25.716 χ^2/NDF: 107.3/68

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: 142.925+/-0.028 χ^2/NDF:1464612.3/17

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 147.566+/-0.029 χ^2/NDF:1351100.1/16

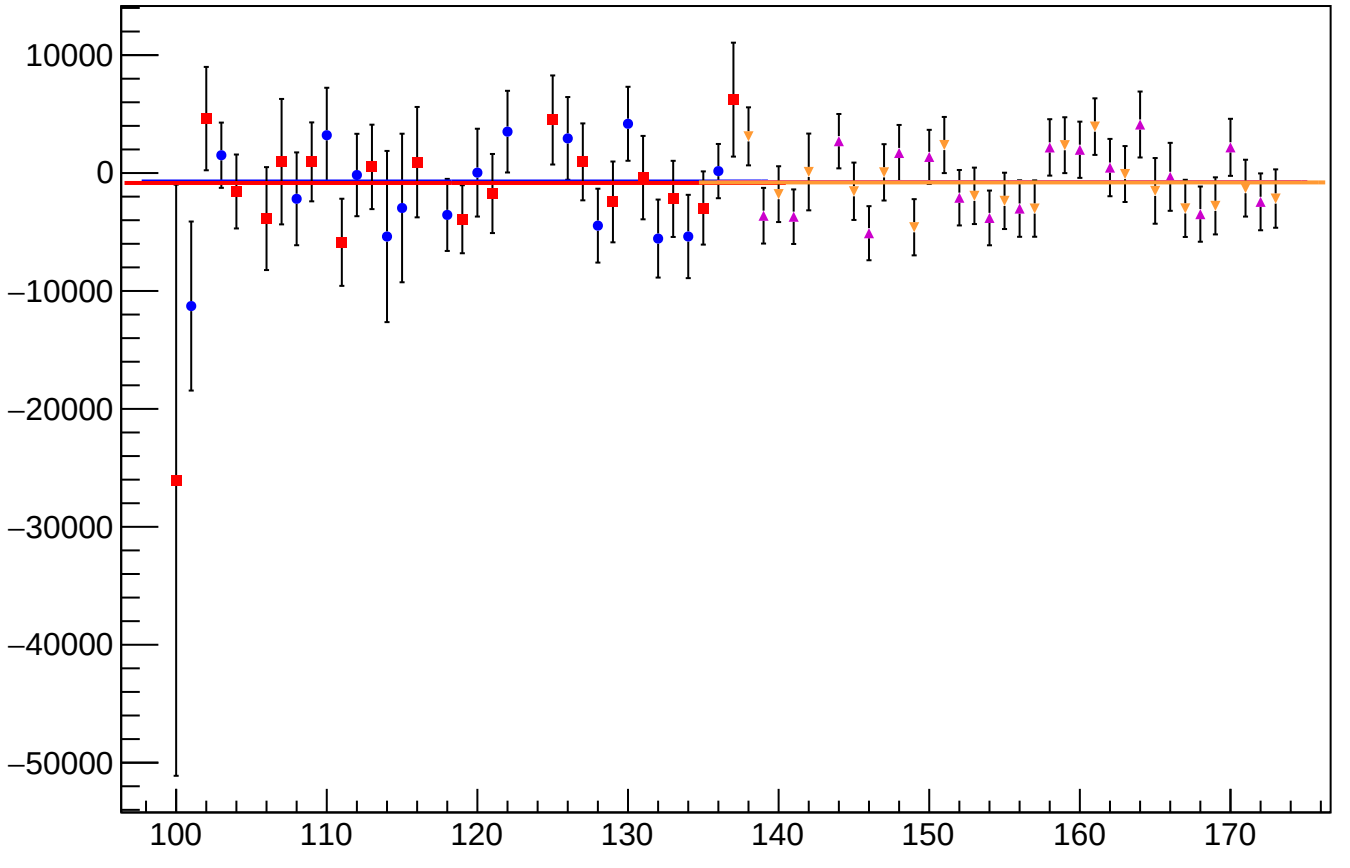
Left: 145.166+/-0.020 χ^2/NDF: 2829267.2/34

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 154.941+/-0.026 χ^2/NDF:7378935.5/32

Out: 146.216+/-0.025 χ^2/NDF:8617425.8/35

All: 150.402+/-0.018 χ^2/NDF: 16053819.6/68



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -794.807+/-577.854 χ^2/NDF:16.5/17

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -760.152+/-582.621 χ^2/NDF:23.2/16

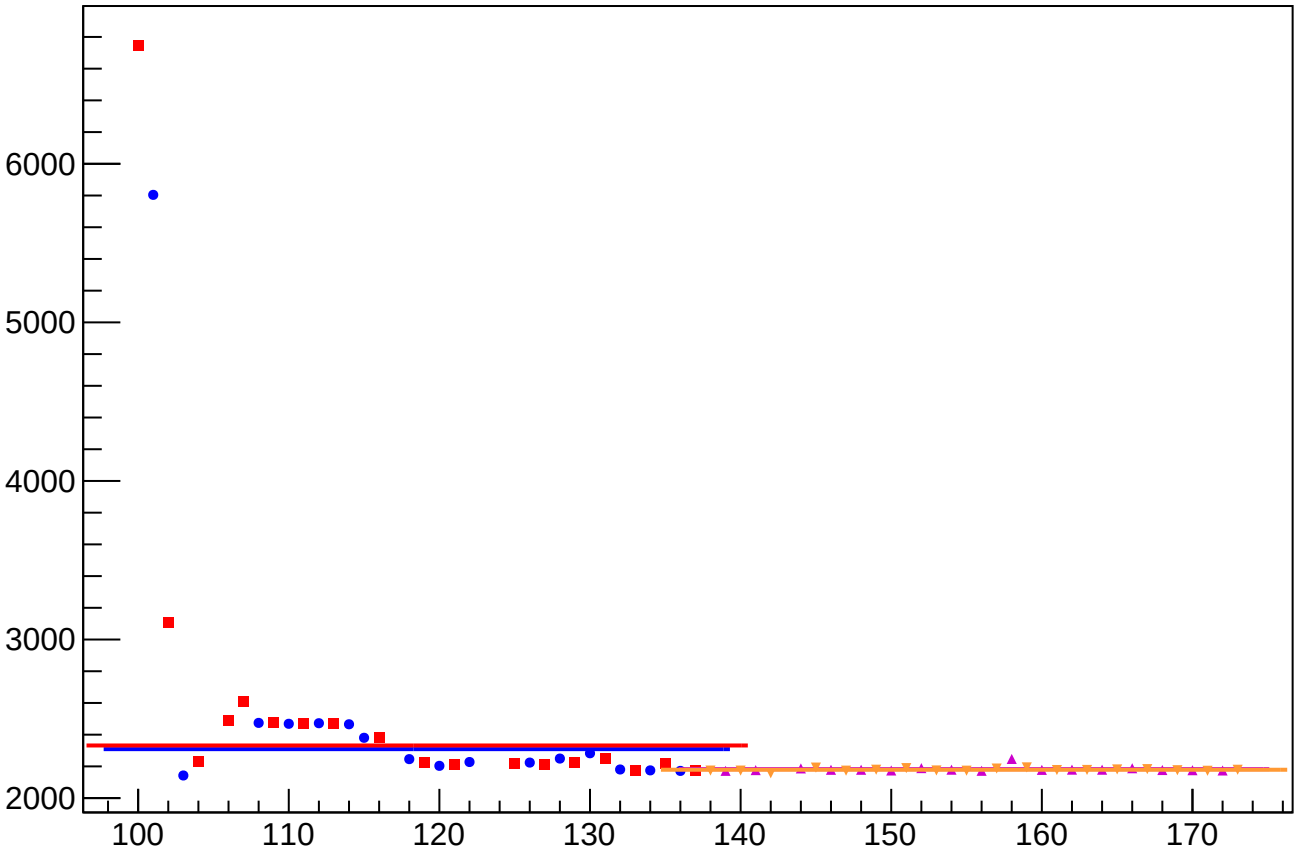
Left: -777.622+/-410.279 χ^2/NDF: 39.7/34

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -746.909+/-484.703 χ^2/NDF:39.1/32

Out: -809.219+/-481.956 χ^2/NDF:28.7/35

All: -778.241+/-341.761 χ^2/NDF: 67.8/68



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.780+/-0.409 χ^2/NDF:368.9/17

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2182.668+/-0.412 χ^2/NDF:1678.6/16

Left: 2180.708+/-0.290 χ^2/NDF: 2092.4/34

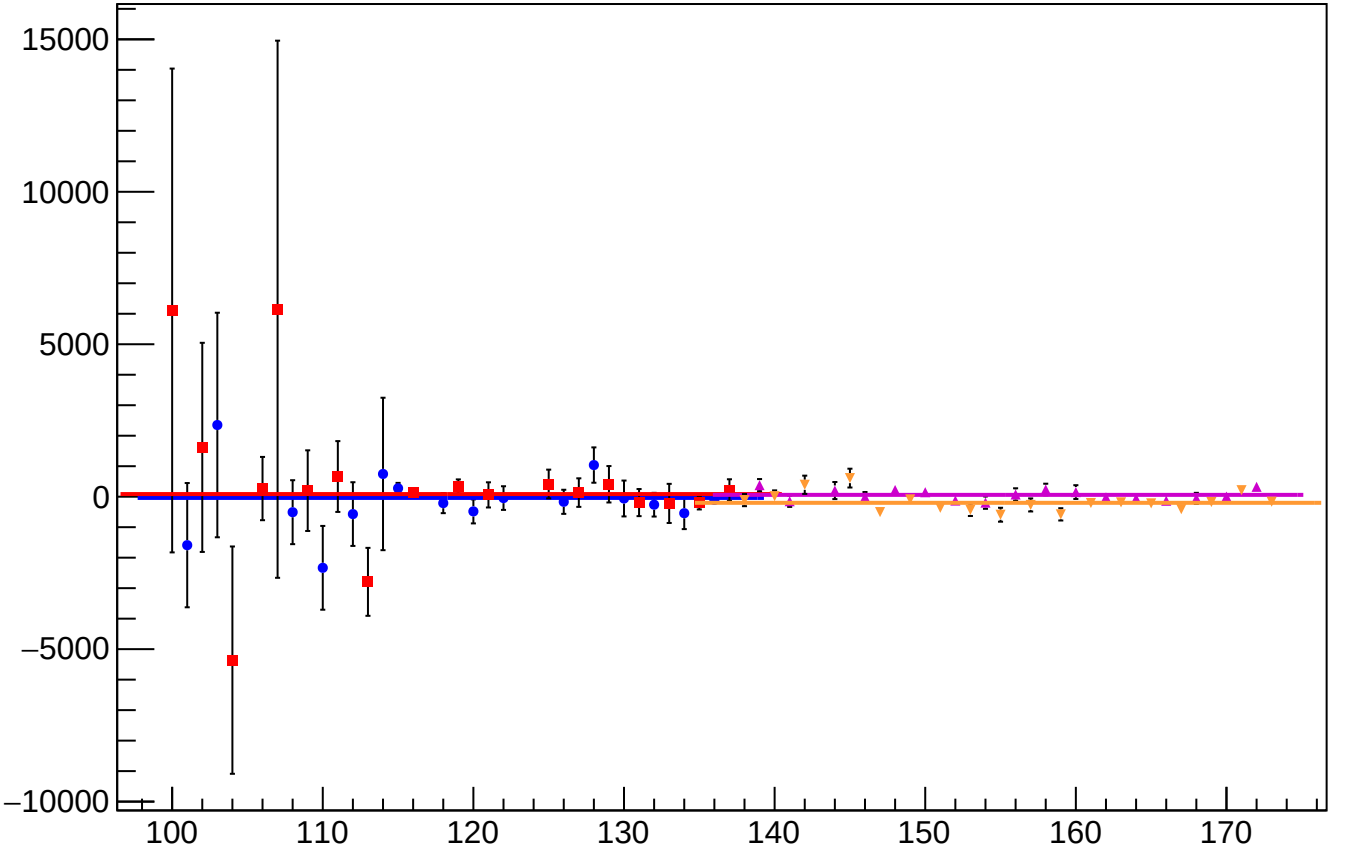
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2221.483+/-0.343 χ^2/NDF:544253.0/32

Out: 2225.370+/-0.341 χ^2/NDF:210405.1/35

All: 2223.437+/-0.242 χ^2/NDF: 754722.8/68

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: -200.872+/-39.172 χ^2/NDF:36.2/17

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 59.987+/-40.544 χ^2/NDF:17.4/16

Left: -74.931+/-28.171 χ^2/NDF: 75.0/34

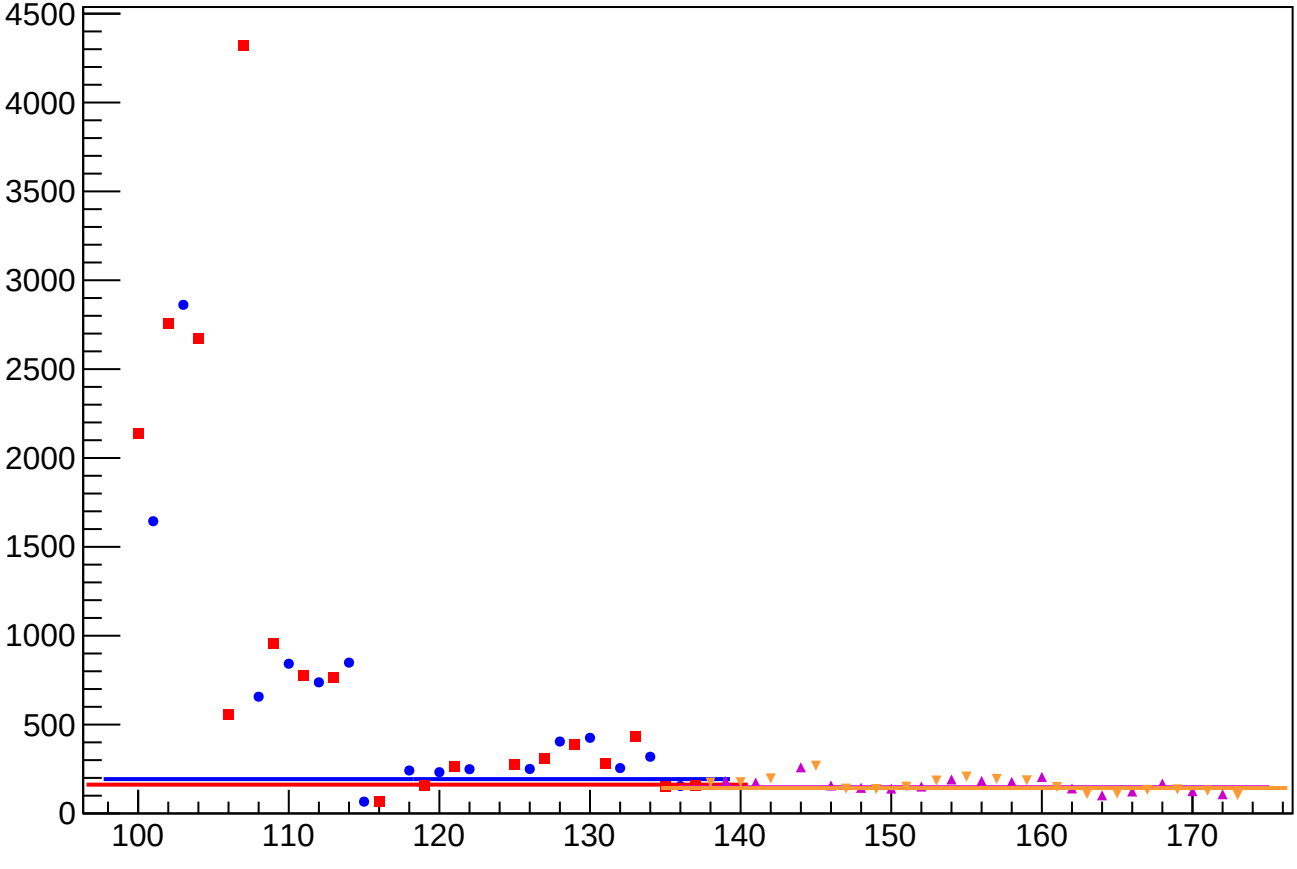
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 43.828+/-37.127 χ^2/NDF:32.4/32

Out: -151.600+/-35.654 χ^2/NDF:60.4/35

All: -57.840+/-25.716 χ^2/NDF: 107.3/68

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: 142.925+/-0.028 χ^2/NDF:1464620.2/17

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 147.566+/-0.029 χ^2/NDF:1351126.1/16

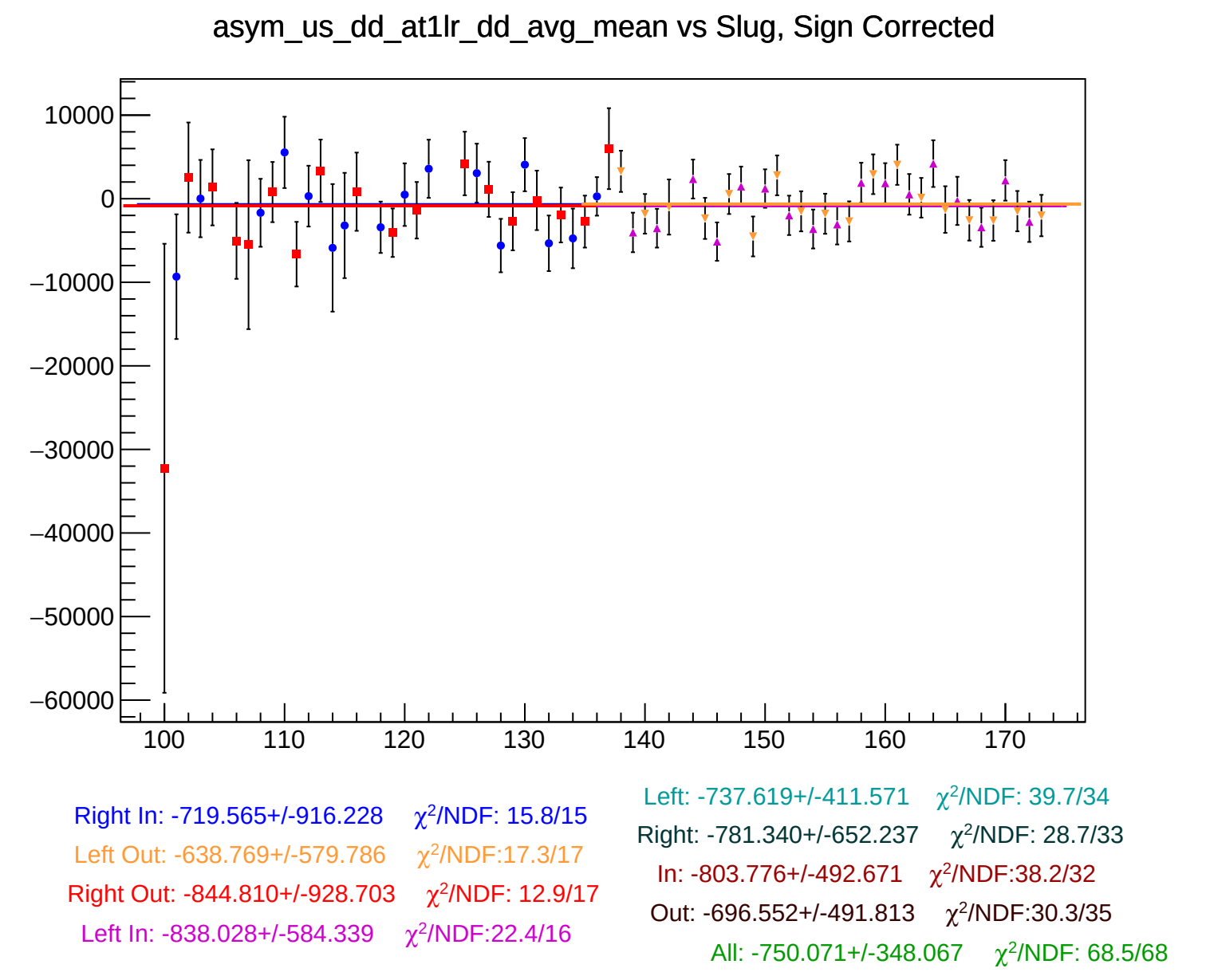
Left: 145.166+/-0.020 χ^2/NDF: 2829301.6/34

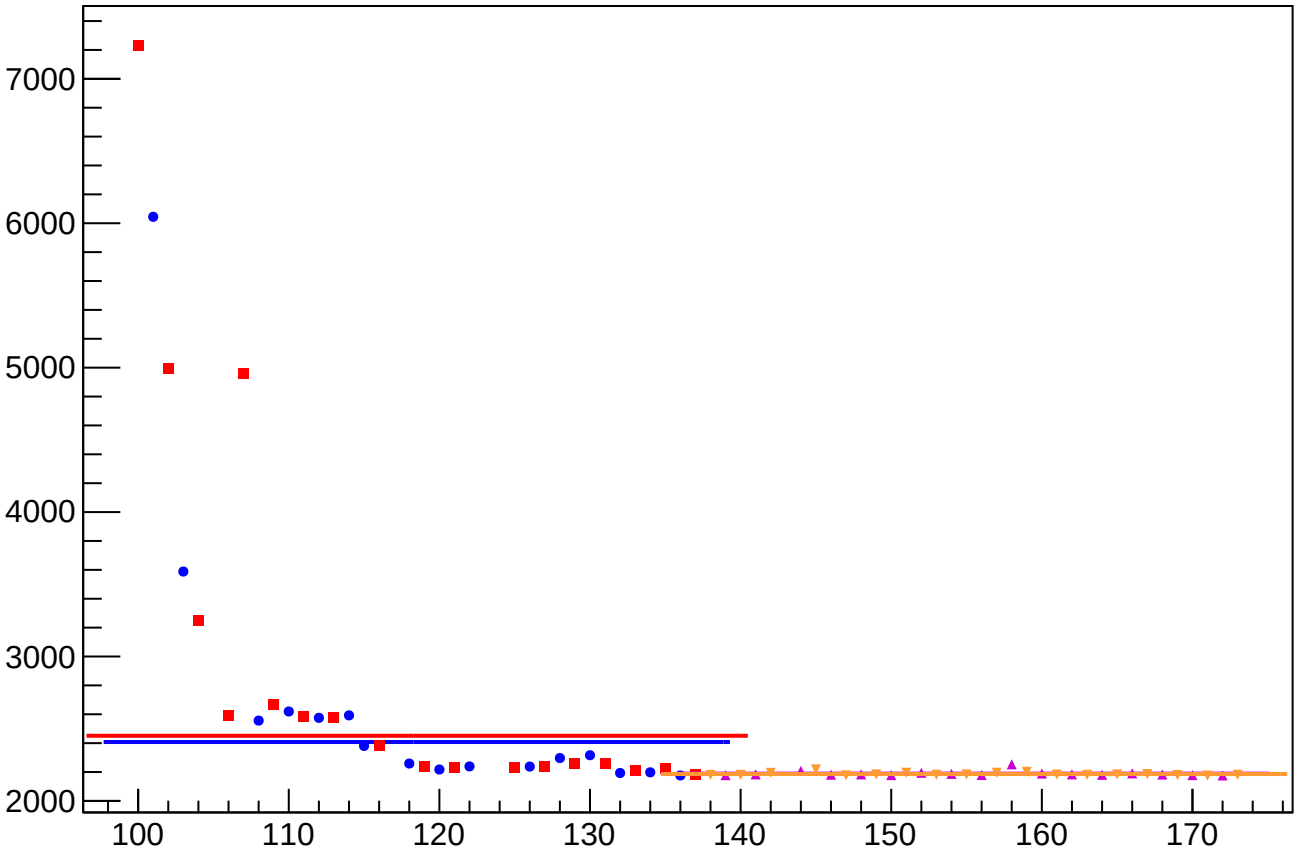
Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 154.941+/-0.026 χ^2/NDF:7378957.7/32

Out: 146.216+/-0.025 χ^2/NDF:8617472.6/35

All: 150.402+/-0.018 χ^2/NDF: 16053891.3/68


asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
110
120
130
140
150
160
170
Right In: -719.565+/-916.228 χ²/NDF: 15.8/15
Left Out: -638.769+/-579.786 χ²/NDF:17.3/17
Right Out: -844.810+/-928.703 χ²/NDF: 12.9/17
Left In: -838.028+/-584.339 χ²/NDF:22.4/16
Left: -737.619+/-411.571 χ²/NDF: 39.7/34
Right: -781.340+/-652.237 χ²/NDF: 28.7/33
In: -803.776+/-492.671 χ²/NDF:38.2/32
Out: -696.552+/-491.813 χ²/NDF:30.3/35
All: -750.071+/-348.067 χ²/NDF: 68.5/68



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2186.235+/-0.410 χ^2/NDF:628.0/17

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2189.098+/-0.413 χ^2/NDF:1854.8/16

Left: 2187.655+/-0.291 χ^2/NDF: 2507.0/34

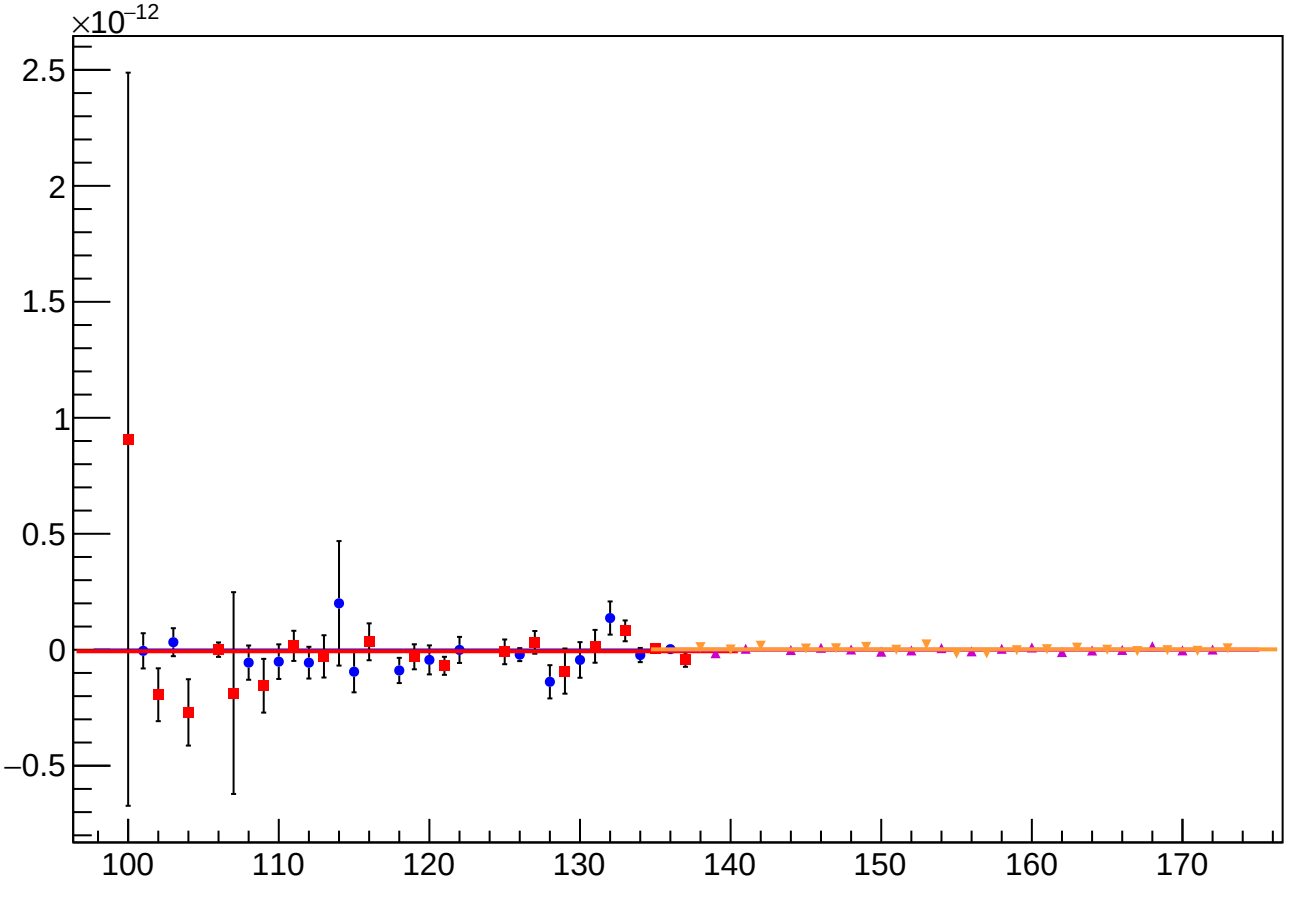
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2252.332+/-0.348 χ^2/NDF:759747.3/32

Out: 2260.540+/-0.348 χ^2/NDF:751362.1/35

All: 2256.443+/-0.246 χ^2/NDF: 1511387.5/68

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:16.0/17

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:12.3/16

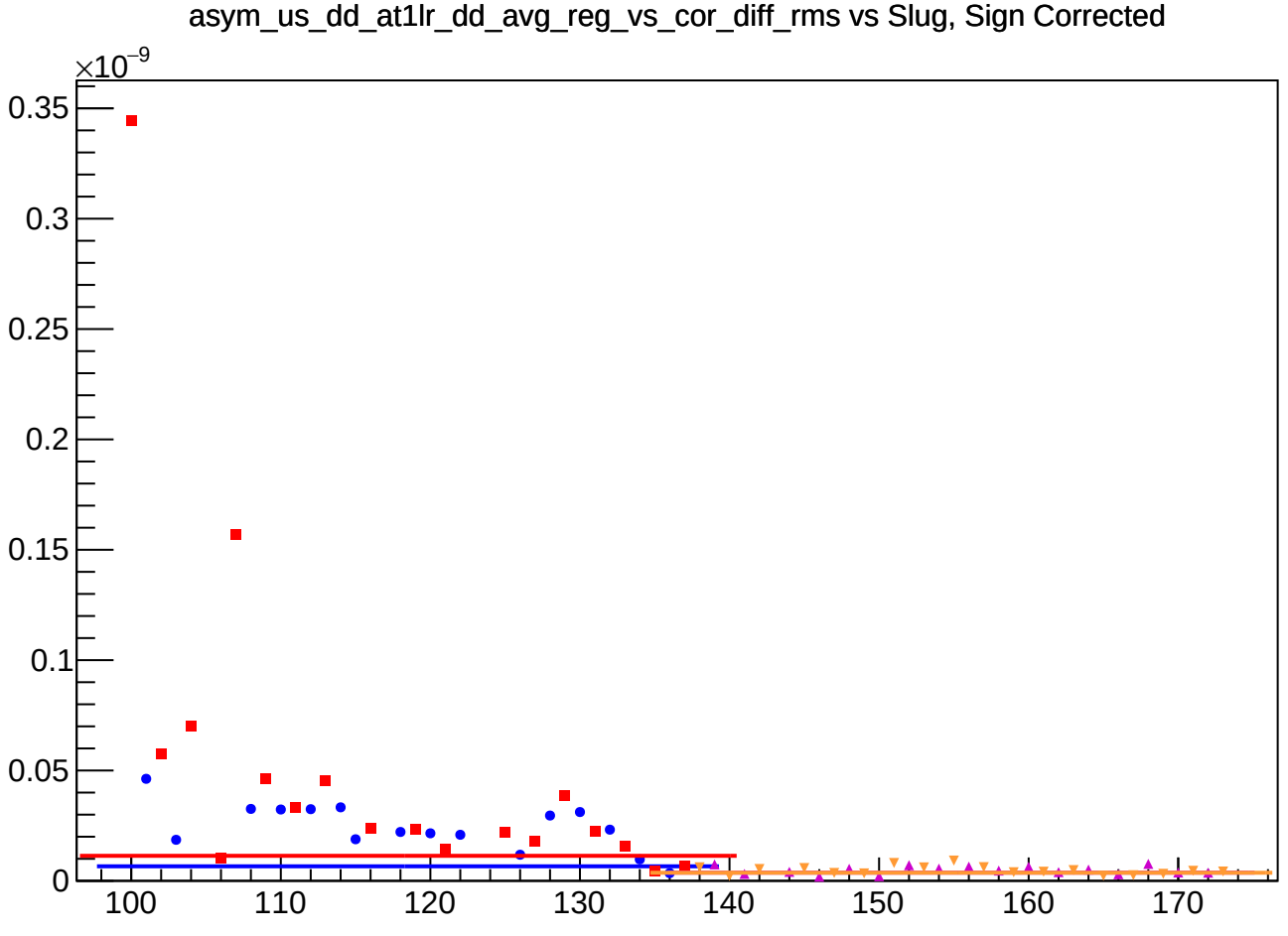
Left: 0.000+/-0.000 χ^2/NDF: 28.8/34

Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: -0.000+/-0.000 χ^2/NDF:28.2/32

Out: 0.000+/-0.000 χ^2/NDF:35.6/35

All: 0.000+/-0.000 χ^2/NDF: 64.2/68



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1447389.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1355703.1/16

Left: 0.000+/-0.000 χ^2/NDF: 2803814.4/34

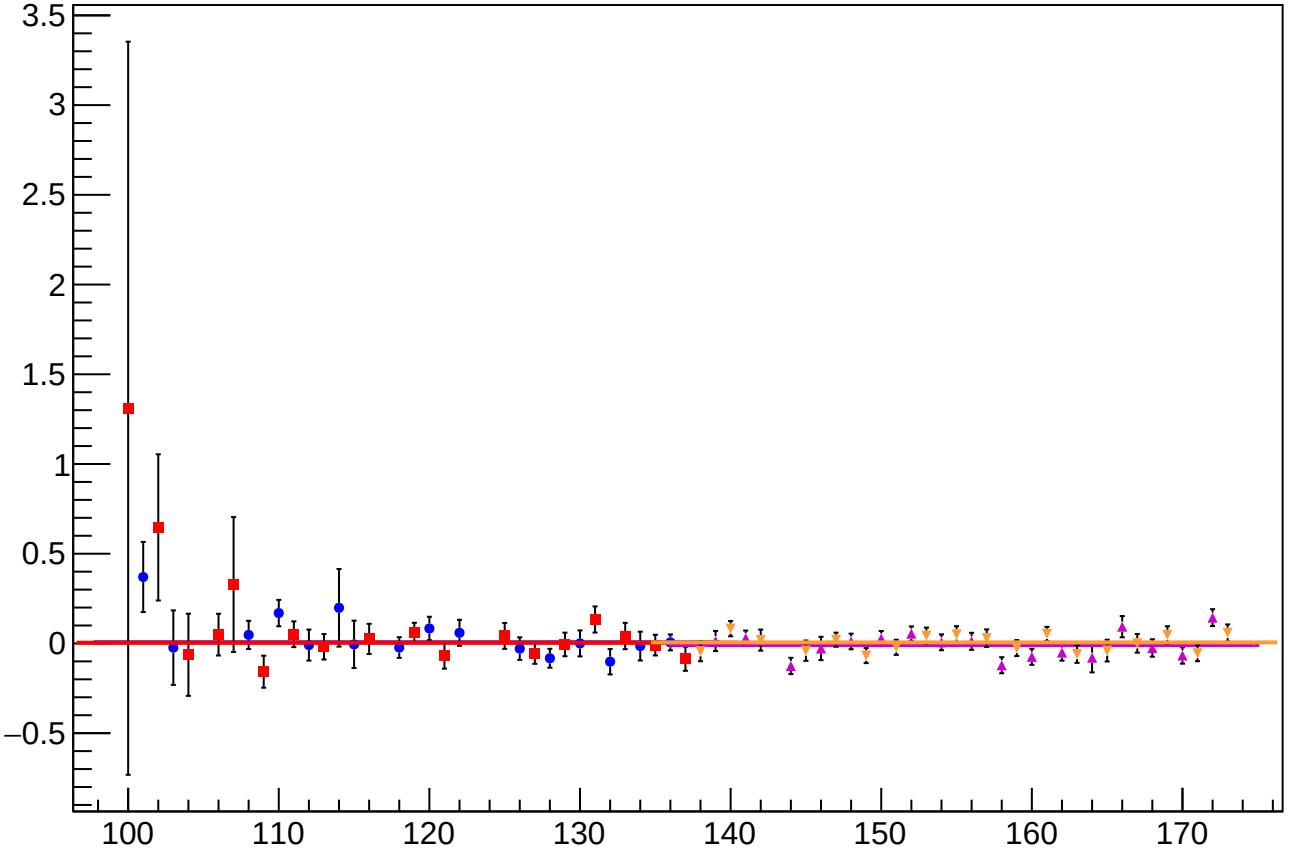
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:4593573.5/32

Out: 0.000+/-0.000 χ^2/NDF:5339239.0/35

All: 0.000+/-0.000 χ^2/NDF: 9933443.9/68

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+/-0.011 χ^2/NDF:18.4/17

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.009+/-0.012 χ^2/NDF:36.7/16

Left: -0.001+/-0.008 χ^2/NDF: 56.0/34

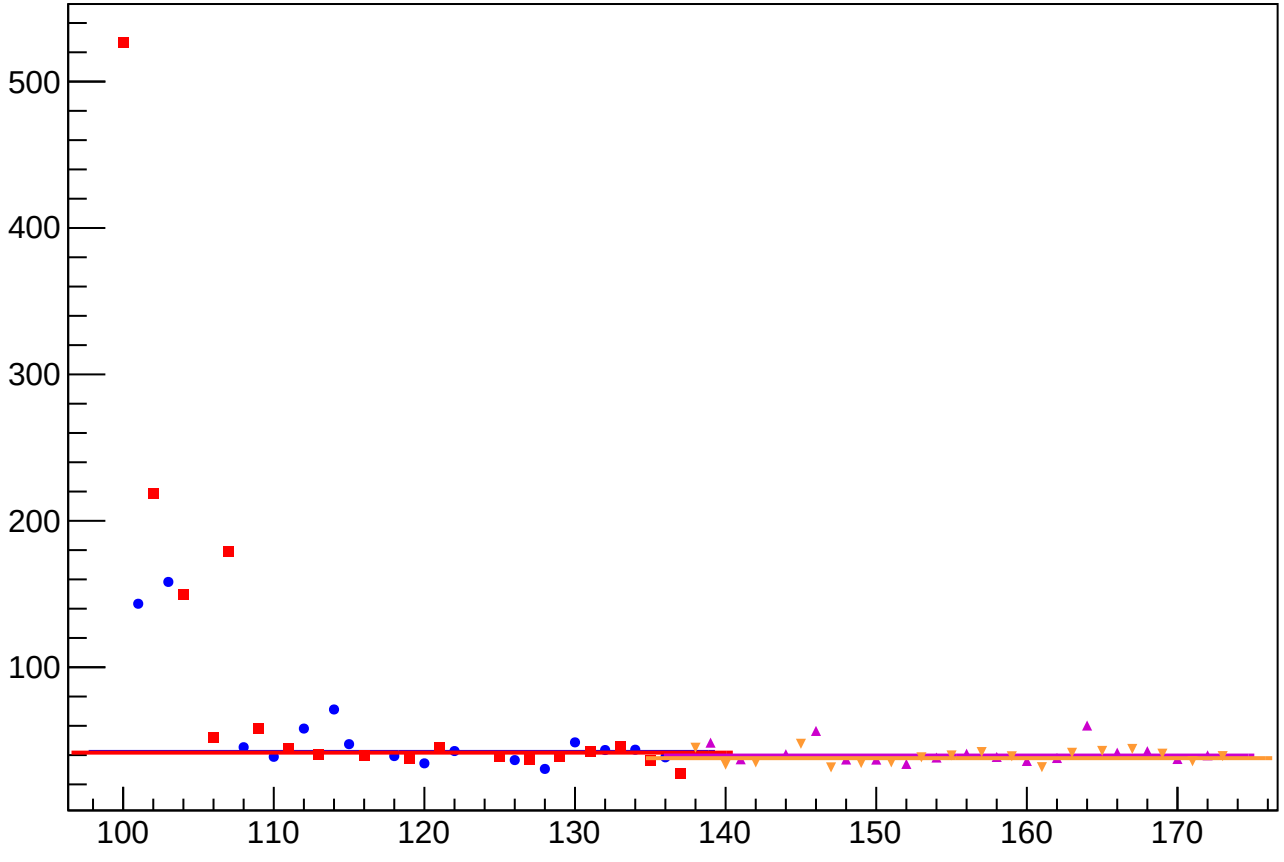
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.005+/-0.010 χ^2/NDF:54.4/32

Out: 0.005+/-0.009 χ^2/NDF:34.6/35

All: 0.000+/-0.007 χ^2/NDF: 89.6/68

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: 37.908+/-0.008 χ^2/NDF:329317.3/17

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.688+/-0.008 χ^2/NDF:407572.3/16

Left: 38.759+/-0.006 χ^2/NDF: 761798.8/34

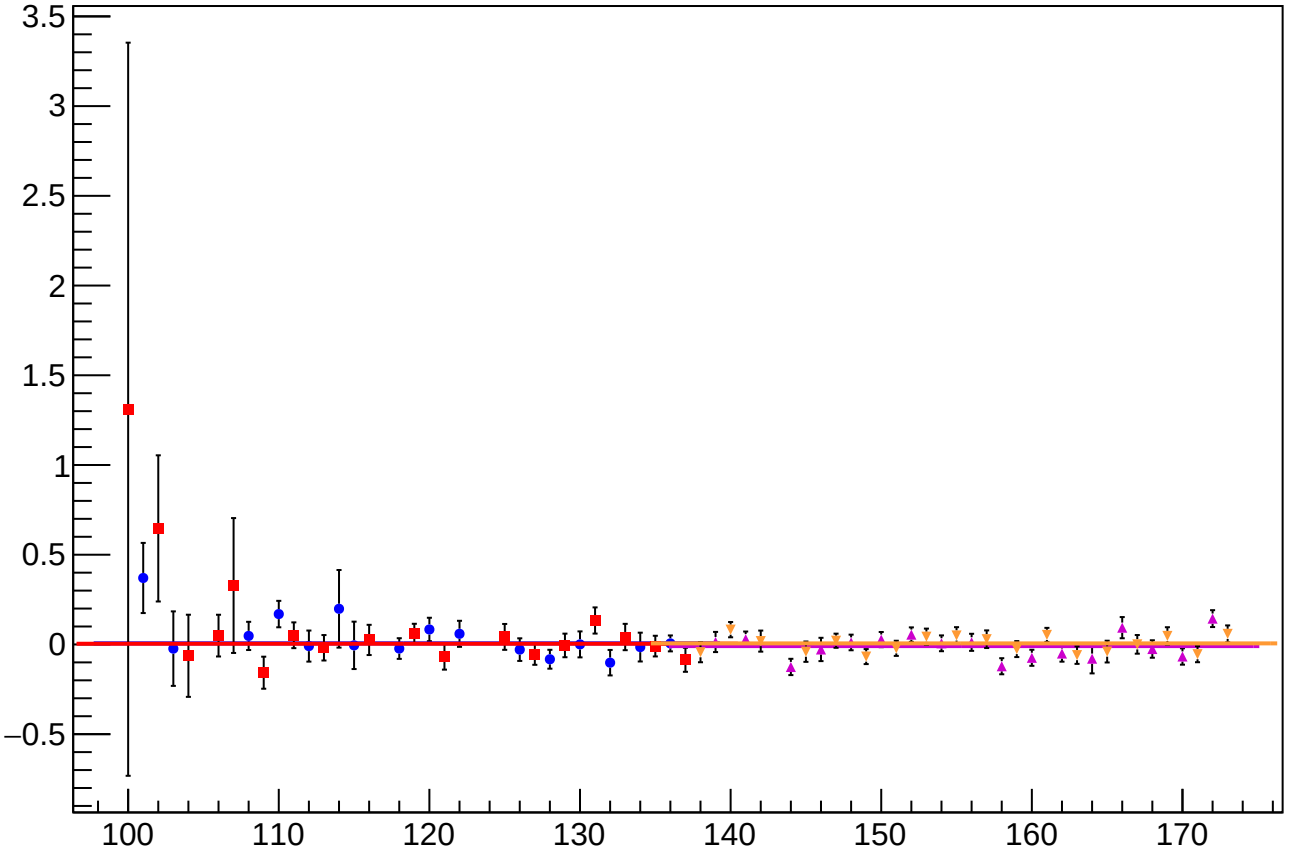
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.395+/-0.007 χ^2/NDF:1888262.1/32

Out: 38.893+/-0.007 χ^2/NDF:1831824.5/35

All: 39.624+/-0.005 χ^2/NDF: 3744440.7/68

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+/-0.011 χ^2/NDF:18.4/17

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.009+/-0.012 χ^2/NDF:36.7/16

Left: -0.001+/-0.008 χ^2/NDF: 56.0/34

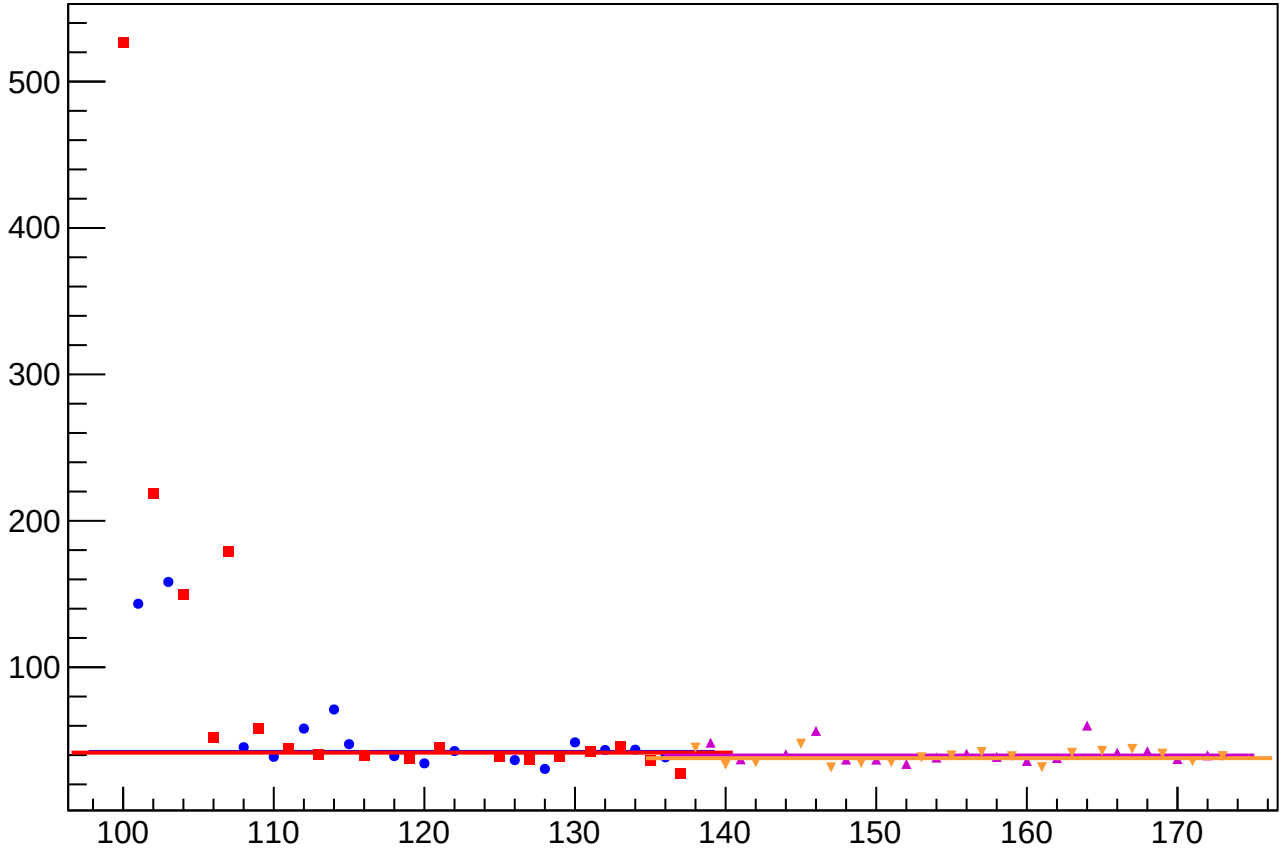
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.005+/-0.010 χ^2/NDF:54.4/32

Out: 0.005+/-0.009 χ^2/NDF:34.6/35

All: 0.000+/-0.007 χ^2/NDF: 89.6/68

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: 37.908+/-0.008 χ^2/NDF:329317.3/17

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.688+/-0.008 χ^2/NDF:407572.3/16

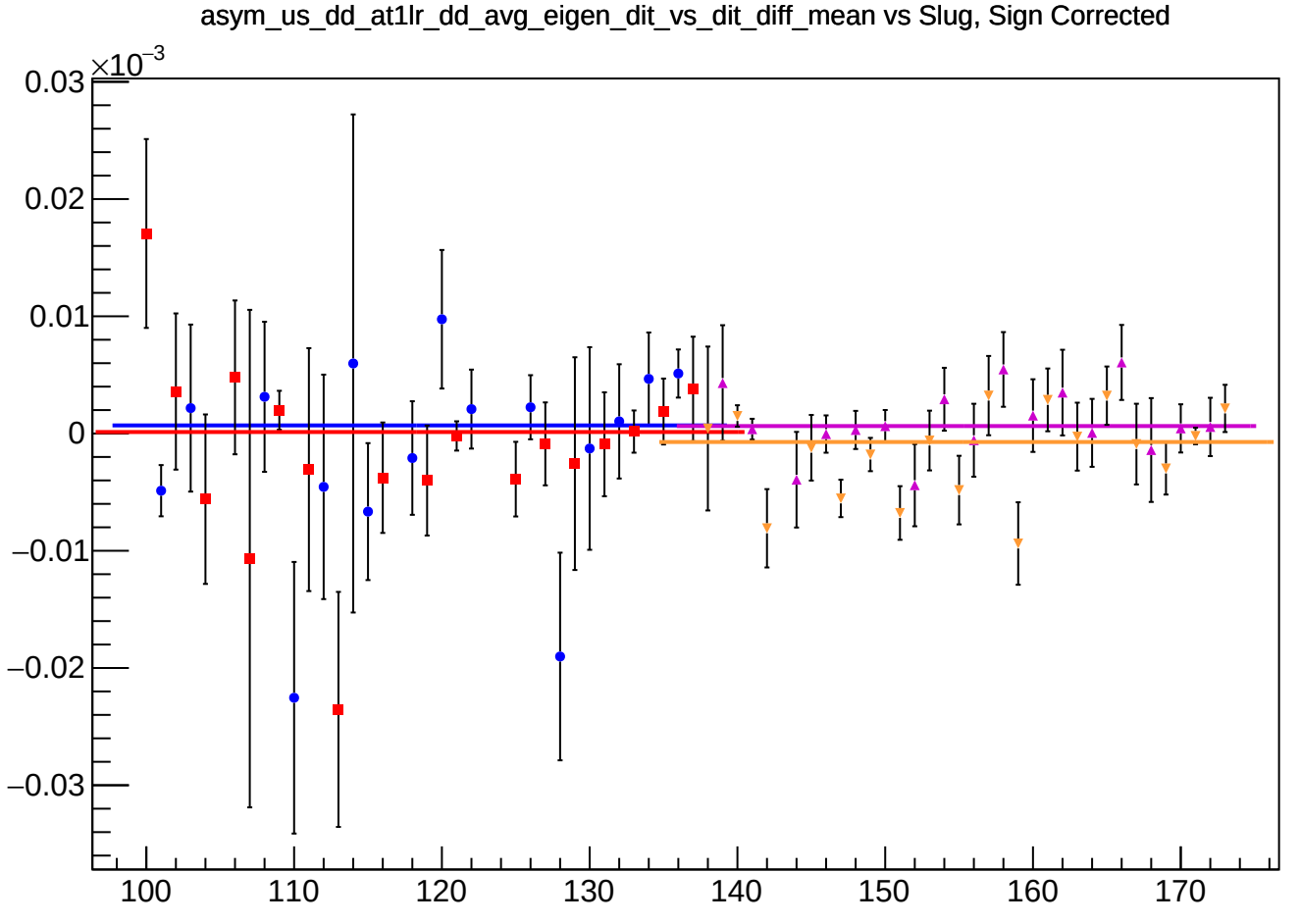
Left: 38.759+/-0.006 χ^2/NDF: 761798.8/34

Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.395+/-0.007 χ^2/NDF:1888262.1/32

Out: 38.893+/-0.007 χ^2/NDF:1831824.5/35

All: 39.624+/-0.005 χ^2/NDF: 3744440.7/68



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:44.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:11.2/16

Left: -0.000+/-0.000 χ^2/NDF: 60.3/34

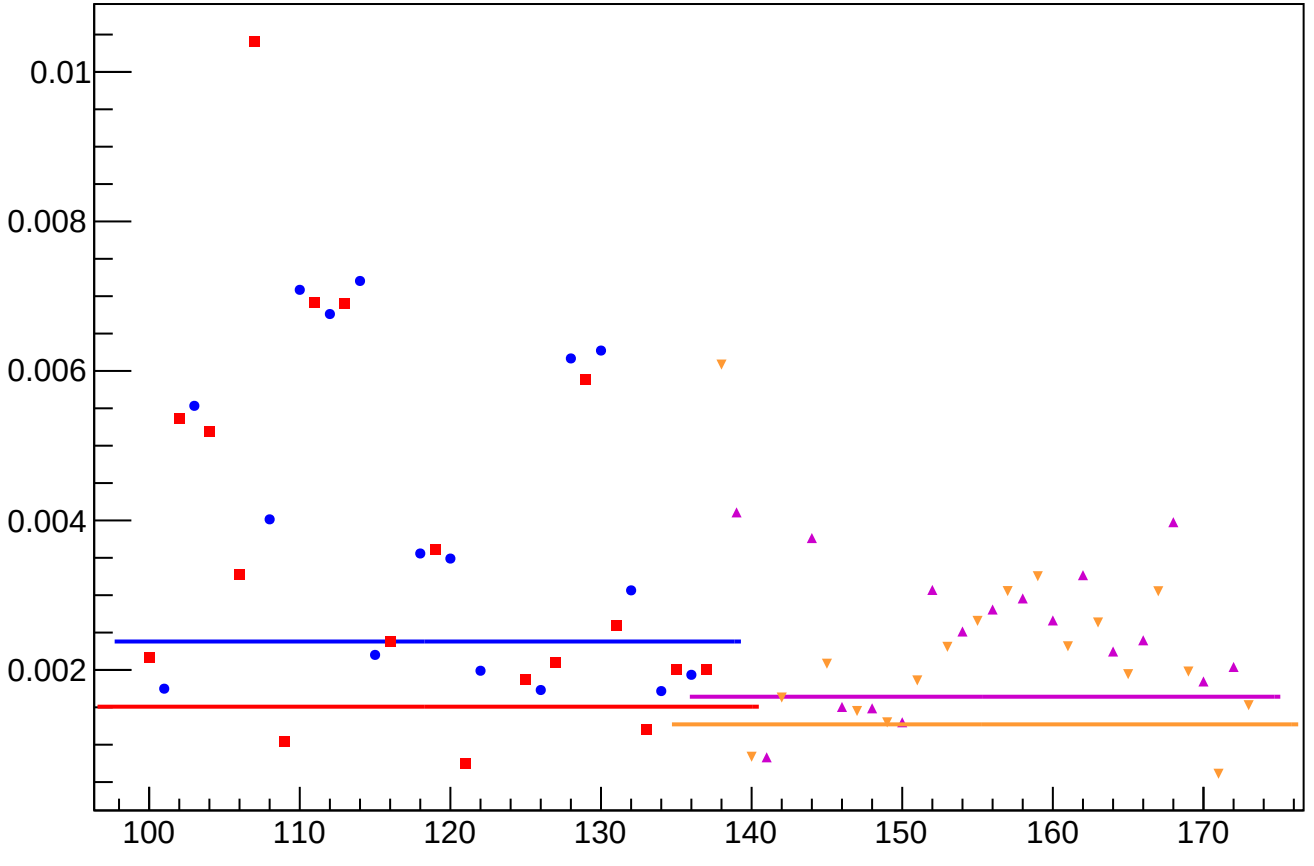
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:37.7/32

Out: -0.000+/-0.000 χ^2/NDF:63.2/35

All: -0.000+/-0.000 χ^2/NDF: 105.0/68

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:7124372.8/17

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.002+/-0.000 χ^2/NDF:5470338.6/16

Left: 0.001+/-0.000 χ^2/NDF: 13241097.7/34

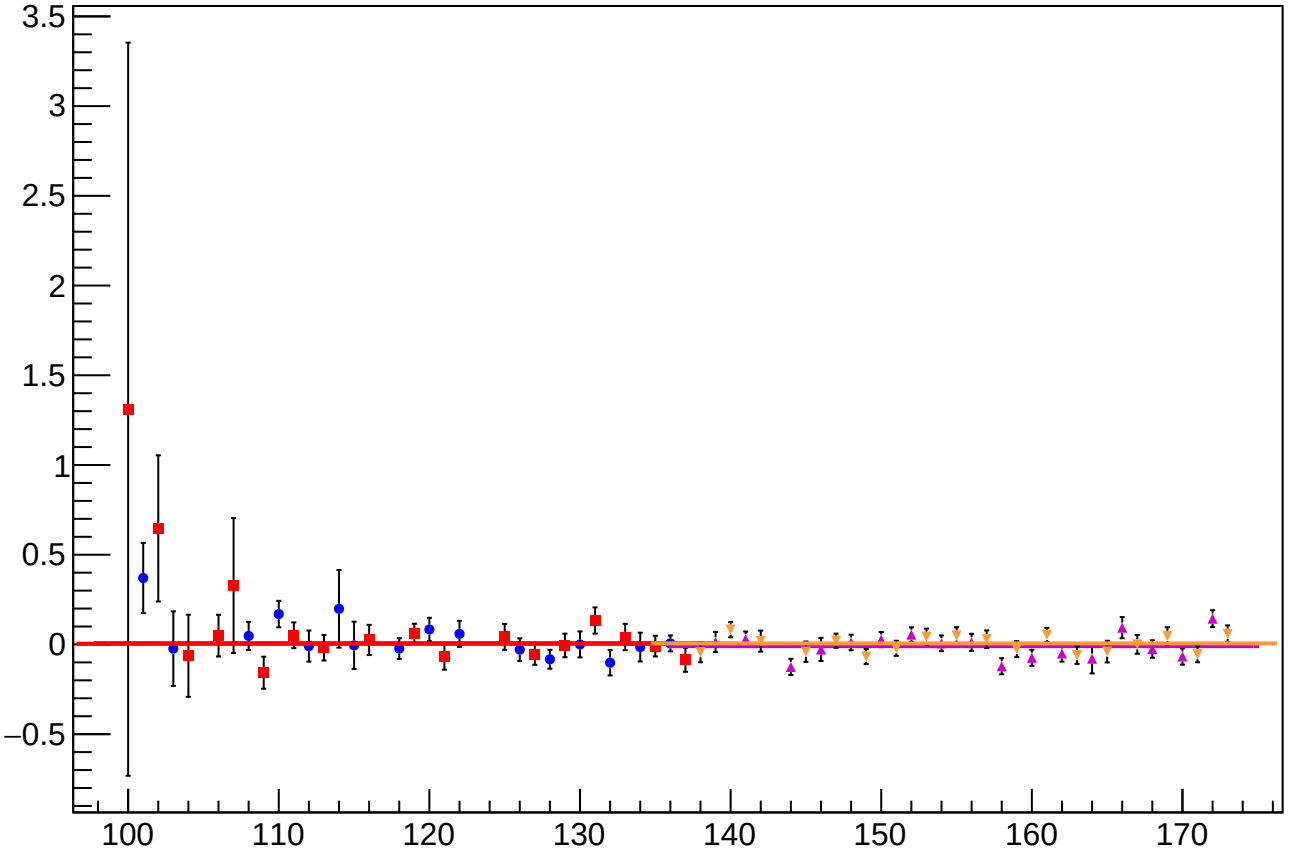
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:9149428.7/32

Out: 0.001+/-0.000 χ^2/NDF:12288375.8/35

All: 0.002+/-0.000 χ^2/NDF: 22697932.5/68

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+/-0.011 χ^2/NDF:18.4/17

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.009+/-0.012 χ^2/NDF:36.7/16

Left: -0.001+/-0.008 χ^2/NDF: 56.0/34

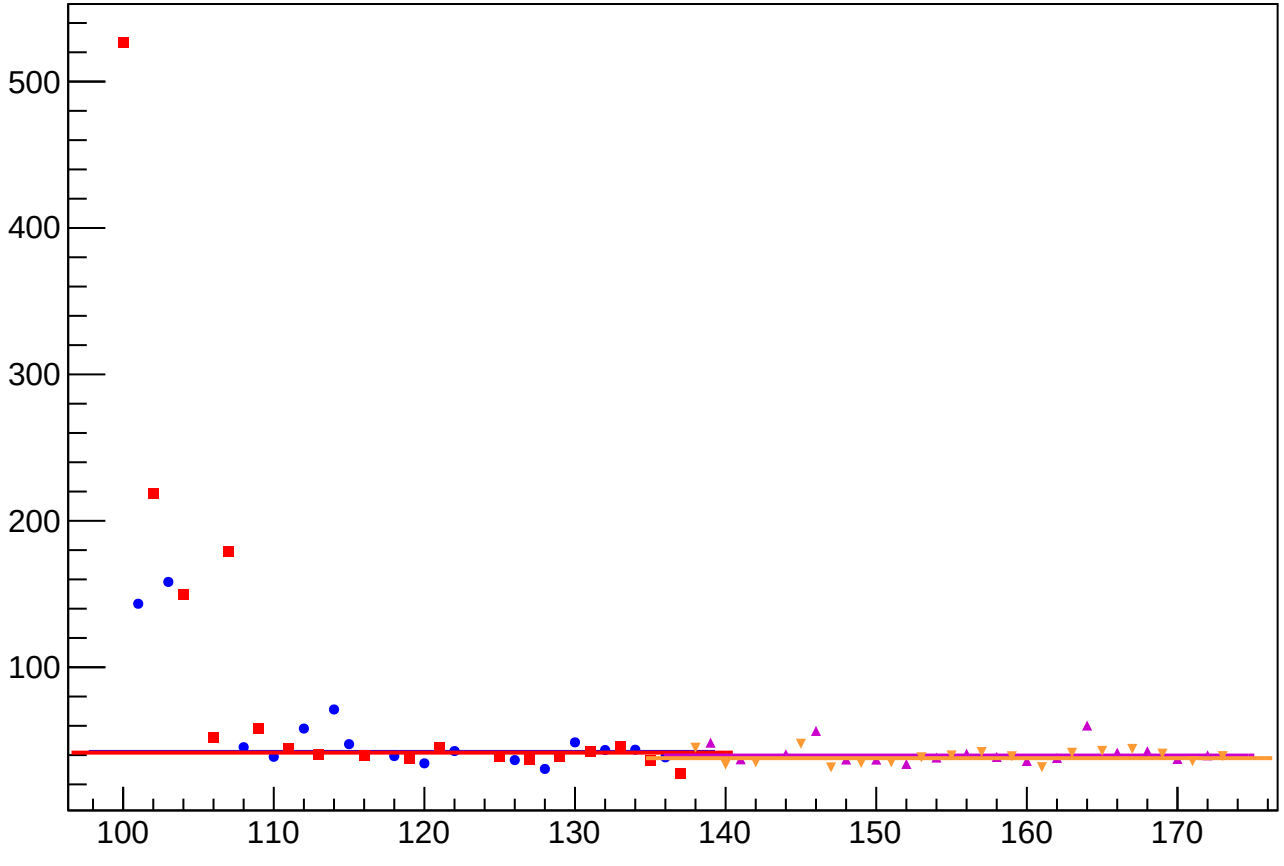
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.005+/-0.010 χ^2/NDF:54.4/32

Out: 0.005+/-0.009 χ^2/NDF:34.6/35

All: 0.000+/-0.007 χ^2/NDF: 89.6/68

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: 37.908+/-0.008 χ^2/NDF:329306.6/17

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.689+/-0.008 χ^2/NDF:407608.7/16

Left: 38.759+/-0.006 χ^2/NDF: 761821.8/34

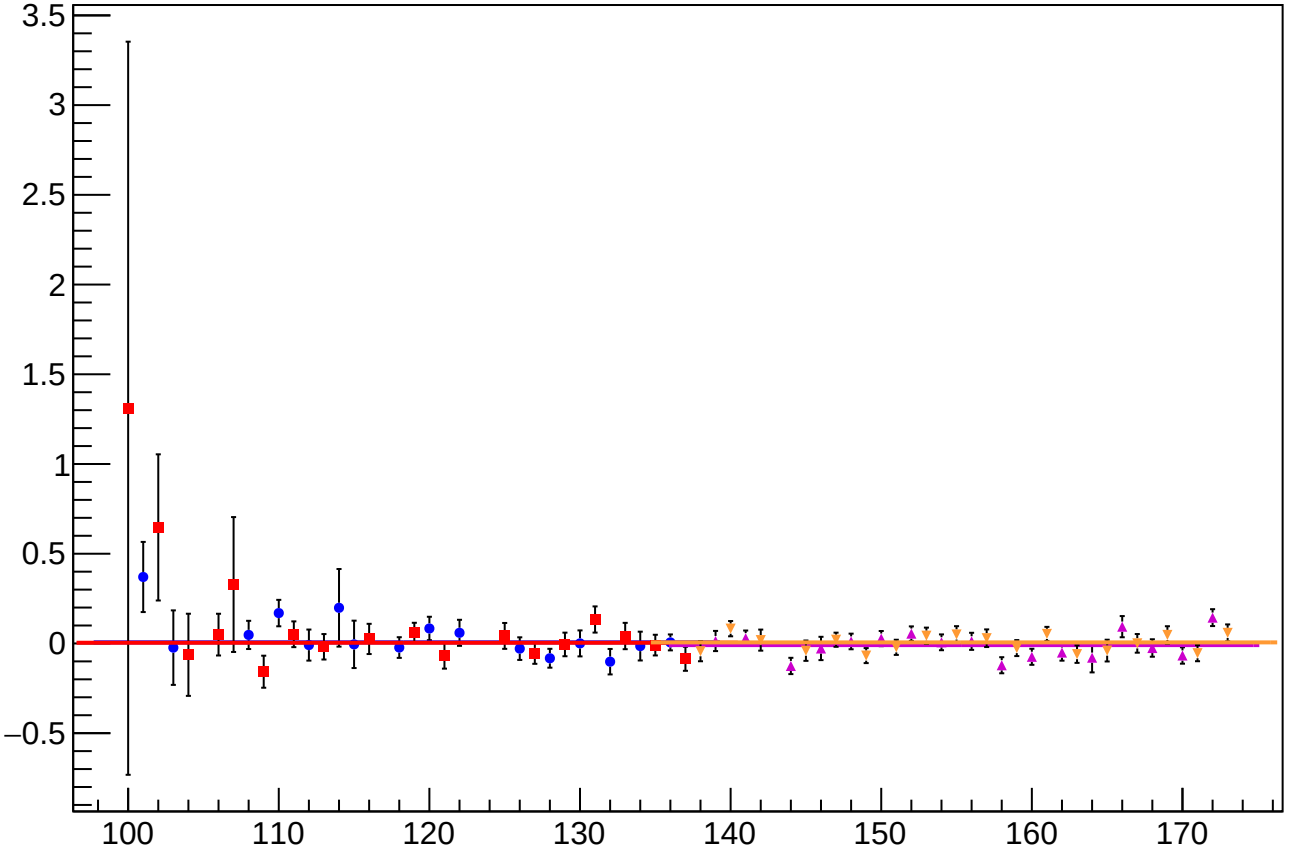
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.394+/-0.007 χ^2/NDF:1888461.0/32

Out: 38.894+/-0.007 χ^2/NDF:1831804.6/35

All: 39.623+/-0.005 χ^2/NDF: 3744592.6/68

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+/-0.011 χ^2/NDF:18.4/17

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.009+/-0.012 χ^2/NDF:36.7/16

Left: -0.001+/-0.008 χ^2/NDF: 56.0/34

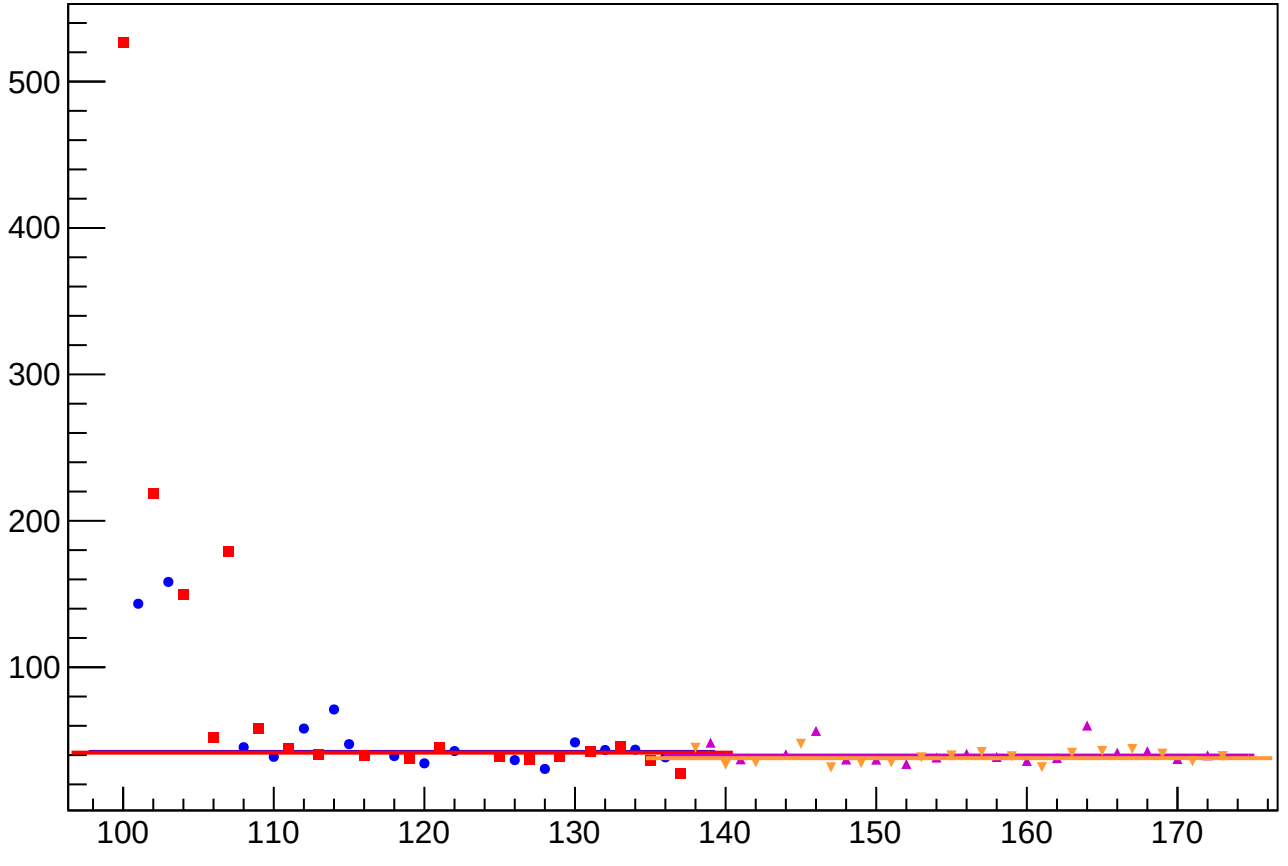
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.005+/-0.010 χ^2/NDF:54.4/32

Out: 0.005+/-0.009 χ^2/NDF:34.6/35

All: 0.000+/-0.007 χ^2/NDF: 89.6/68

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: 37.908+/-0.008 χ^2/NDF:329306.6/17

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.689+/-0.008 χ^2/NDF:407608.7/16

Left: 38.759+/-0.006 χ^2/NDF: 761821.8/34

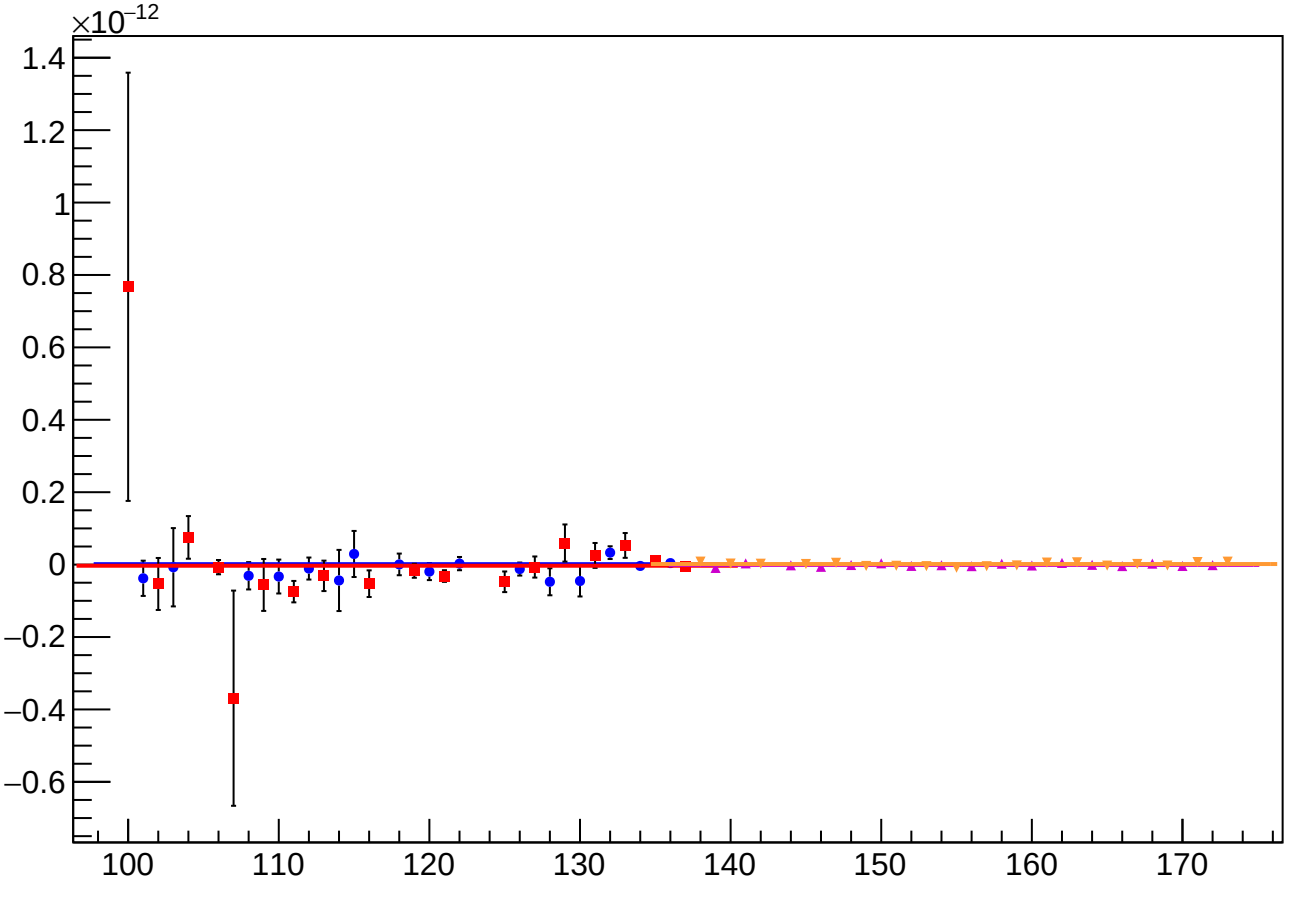
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.394+/-0.007 χ^2/NDF:1888461.0/32

Out: 38.894+/-0.007 χ^2/NDF:1831804.6/35

All: 39.623+/-0.005 χ^2/NDF: 3744592.6/68

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:16.5/17

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:9.4/16

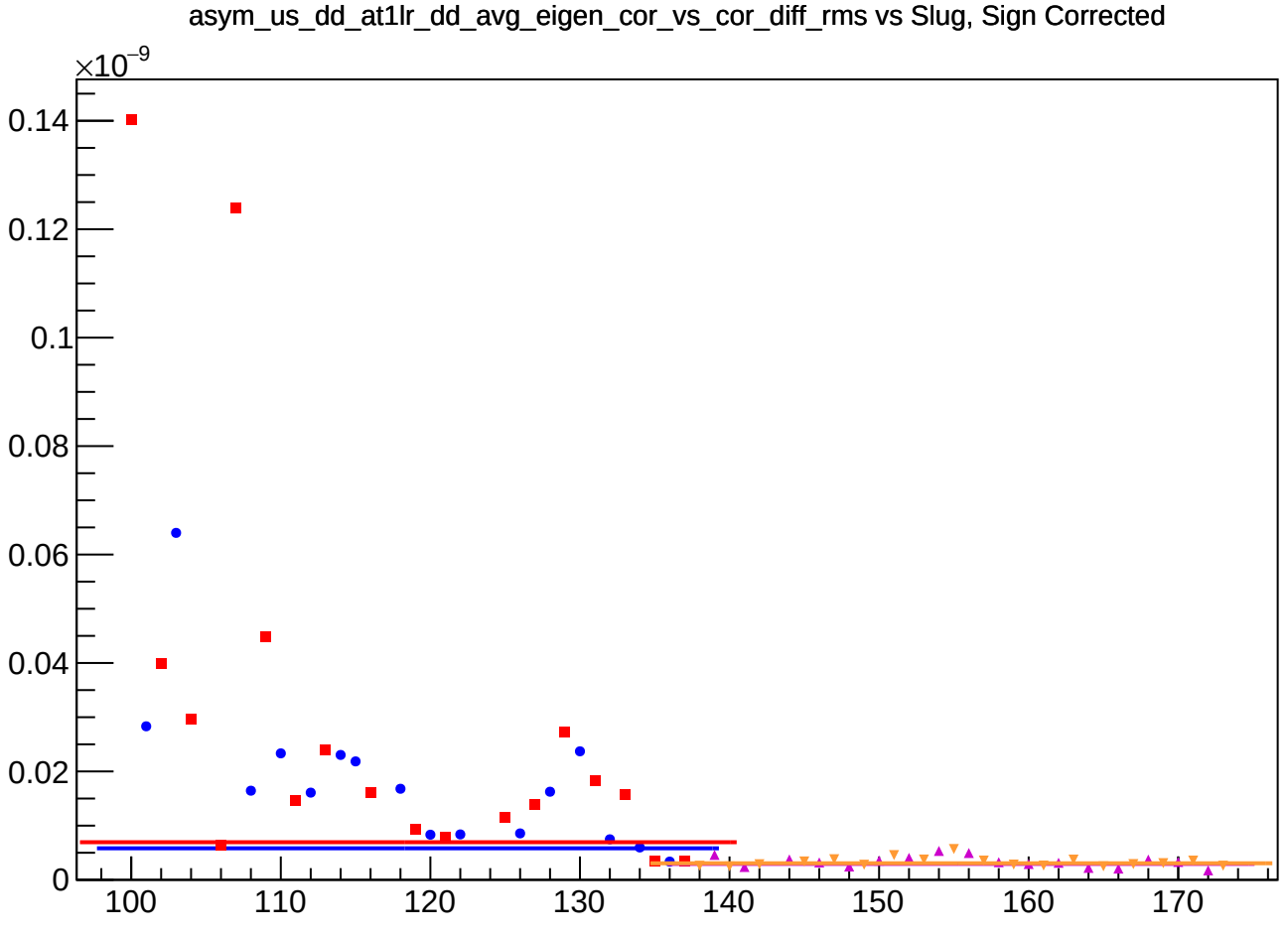
Left: 0.000+/-0.000 χ^2/NDF: 28.2/34

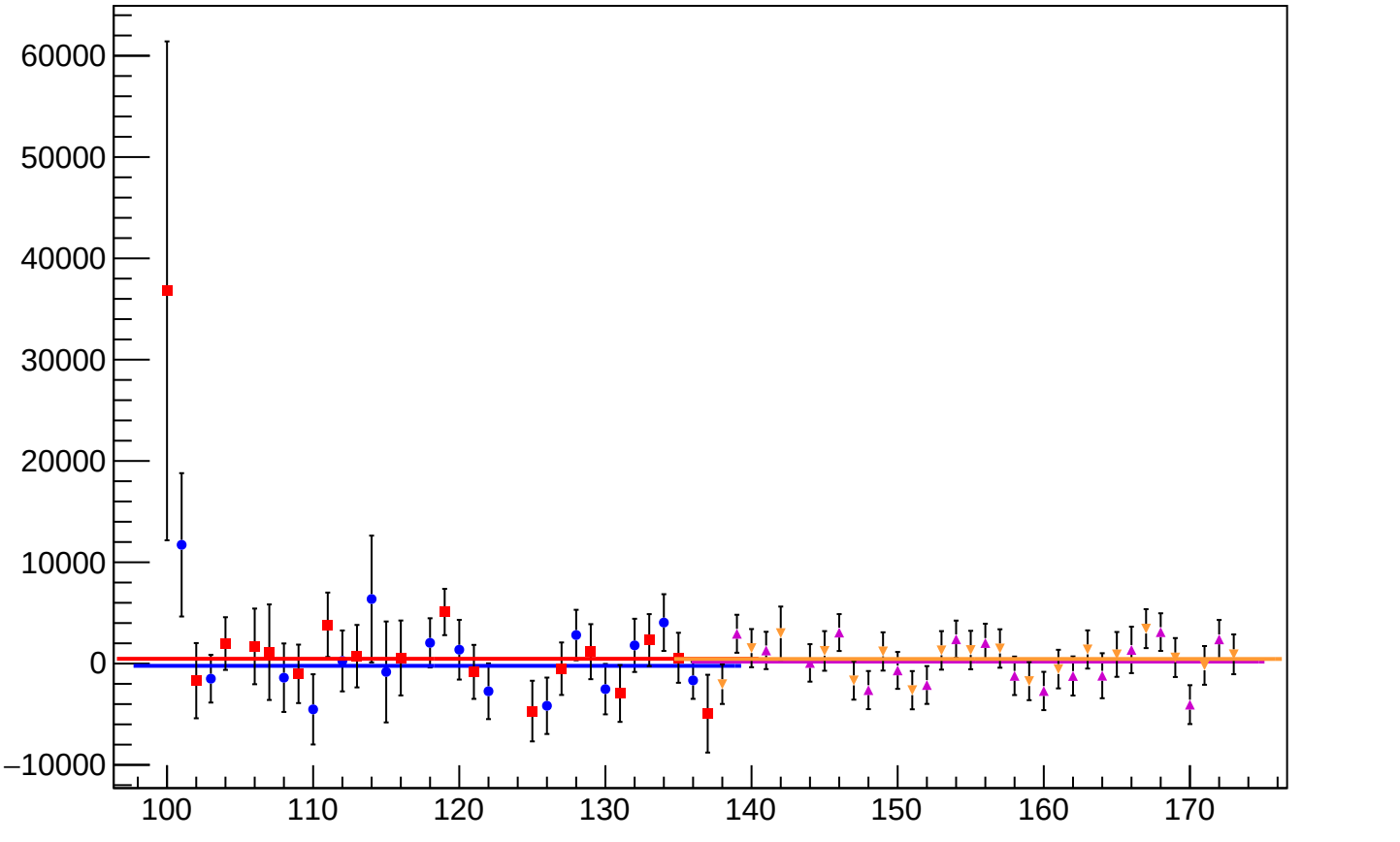
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

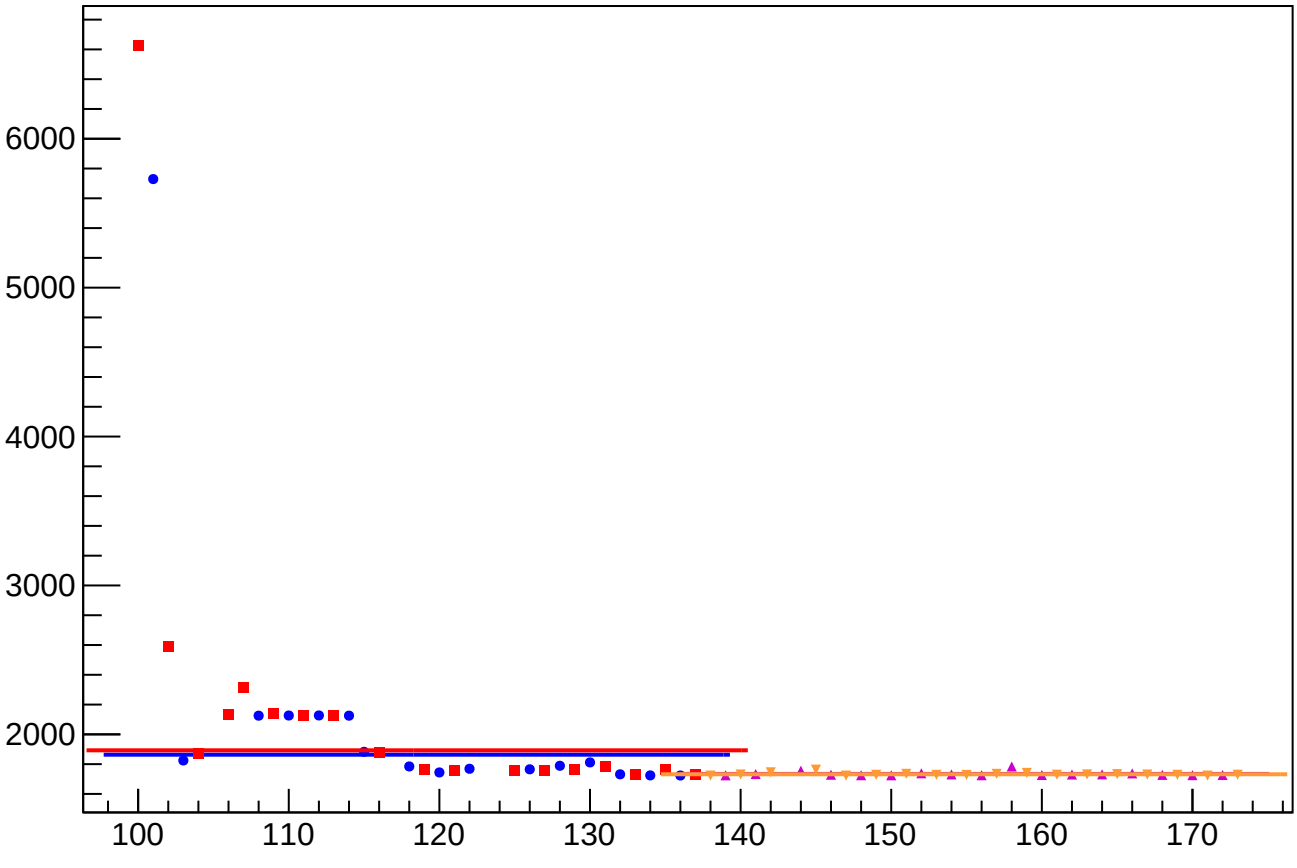
In: -0.000+/-0.000 χ^2/NDF:20.1/32

Out: 0.000+/-0.000 χ^2/NDF:46.2/35

All: 0.000+/-0.000 χ^2/NDF: 68.1/68


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:617567.0/17
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:1276111.1/16
Left: 0.000+/-0.000 χ²/NDF: 1905365.9/34
Right: 0.000+/-0.000 χ²/NDF: 7152698.2/33
In: 0.000+/-0.000 χ²/NDF:5572371.4/32
Out: 0.000+/-0.000 χ²/NDF:5678849.8/35
All: 0.000+/-0.000 χ²/NDF: 11262315.0/68


reg_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
170
Right In: -222.980+/-709.150 χ²/NDF: 15.8/15
Left Out: 454.199+/-459.319 χ²/NDF:12.4/17
Right Out: 472.410+/-711.475 χ²/NDF: 15.9/17
Left In: 198.705+/-462.927 χ²/NDF:24.1/16
Left: 327.452+/-326.056 χ²/NDF: 36.6/34
Right: 123.577+/-502.265 χ²/NDF: 32.2/33
In: 72.704+/-387.643 χ²/NDF:40.2/32
Out: 459.556+/-385.889 χ²/NDF:28.2/35
All: 267.007+/-273.483 χ²/NDF: 68.9/68



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1731.970+/-0.325 χ^2/NDF:782.2/17

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1734.251+/-0.327 χ^2/NDF:2012.2/16

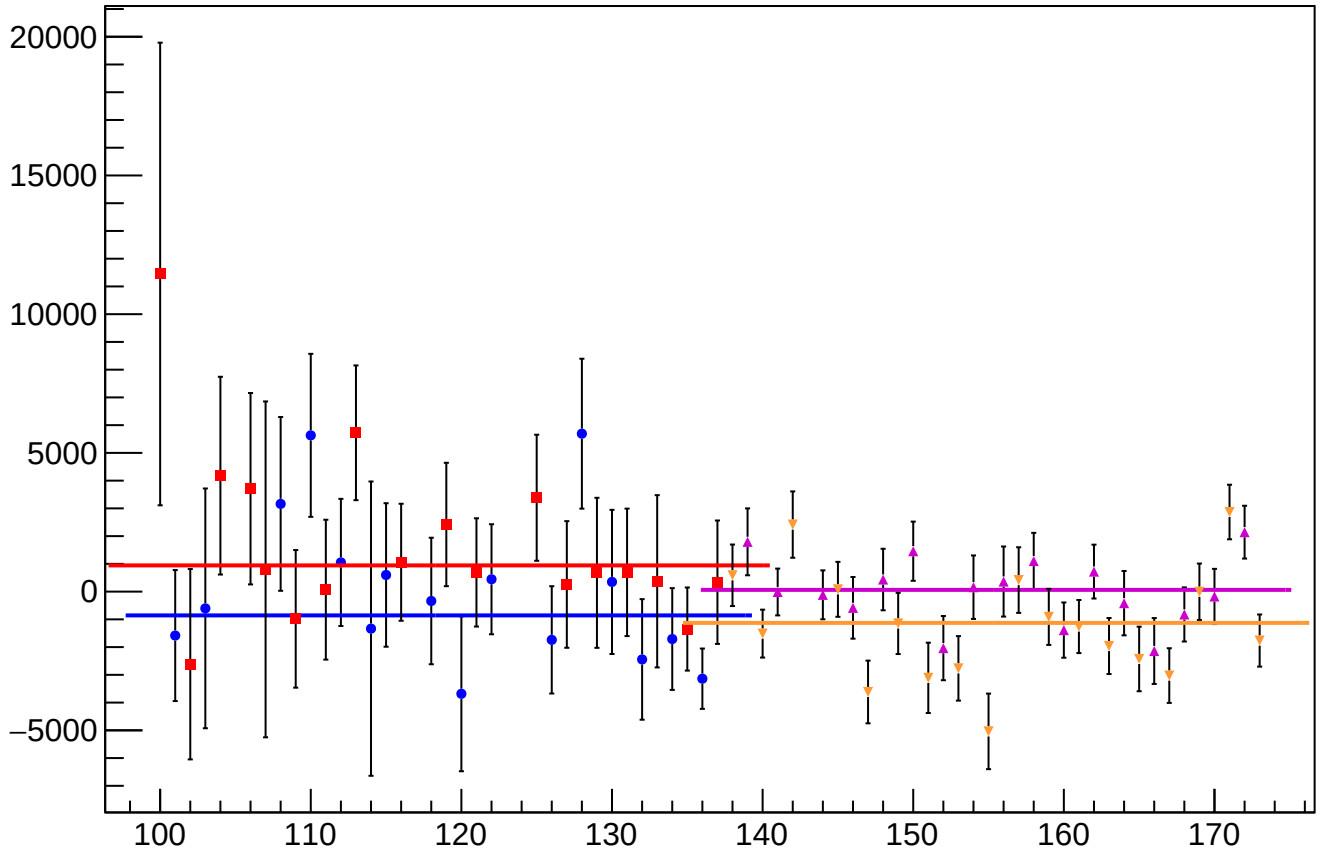
Left: 1733.102+/-0.231 χ^2/NDF: 2818.9/34

Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1772.896+/-0.274 χ^2/NDF:723320.7/32

Out: 1779.302+/-0.273 χ^2/NDF:324488.4/35

All: 1776.113+/-0.193 χ^2/NDF: 1048083.4/68



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -1127.235+/-249.616 χ^2/NDF:56.0/17

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 62.746+/-252.605 χ^2/NDF:20.5/16

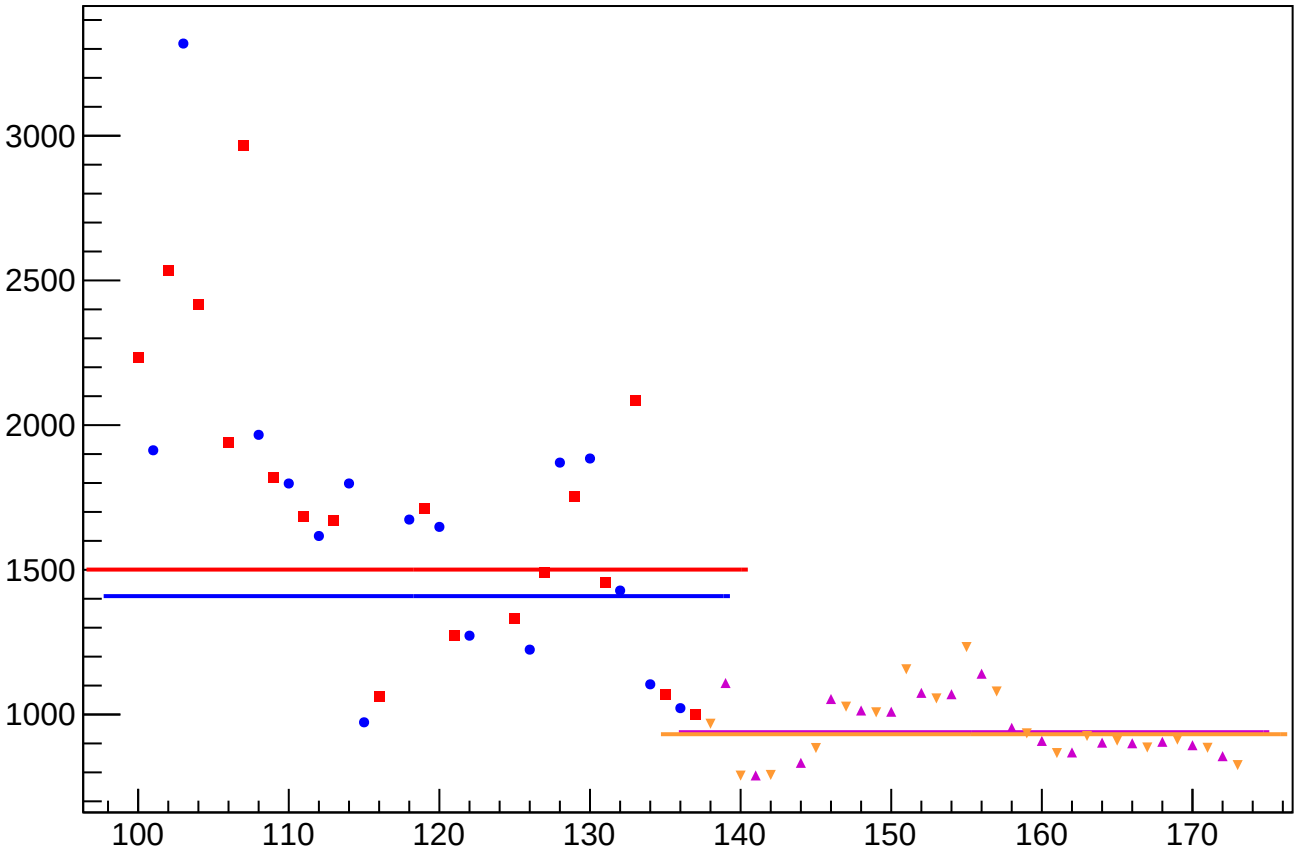
Left: -539.326+/-177.553 χ^2/NDF: 87.8/34

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -97.621+/-229.536 χ^2/NDF:43.4/32

Out: -807.147+/-229.527 χ^2/NDF:79.6/35

All: -452.399+/-162.303 χ^2/NDF: 127.8/68



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 931.892+/-0.177 χ^2/NDF:372785.0/17

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 938.919+/-0.179 χ^2/NDF:313884.2/16

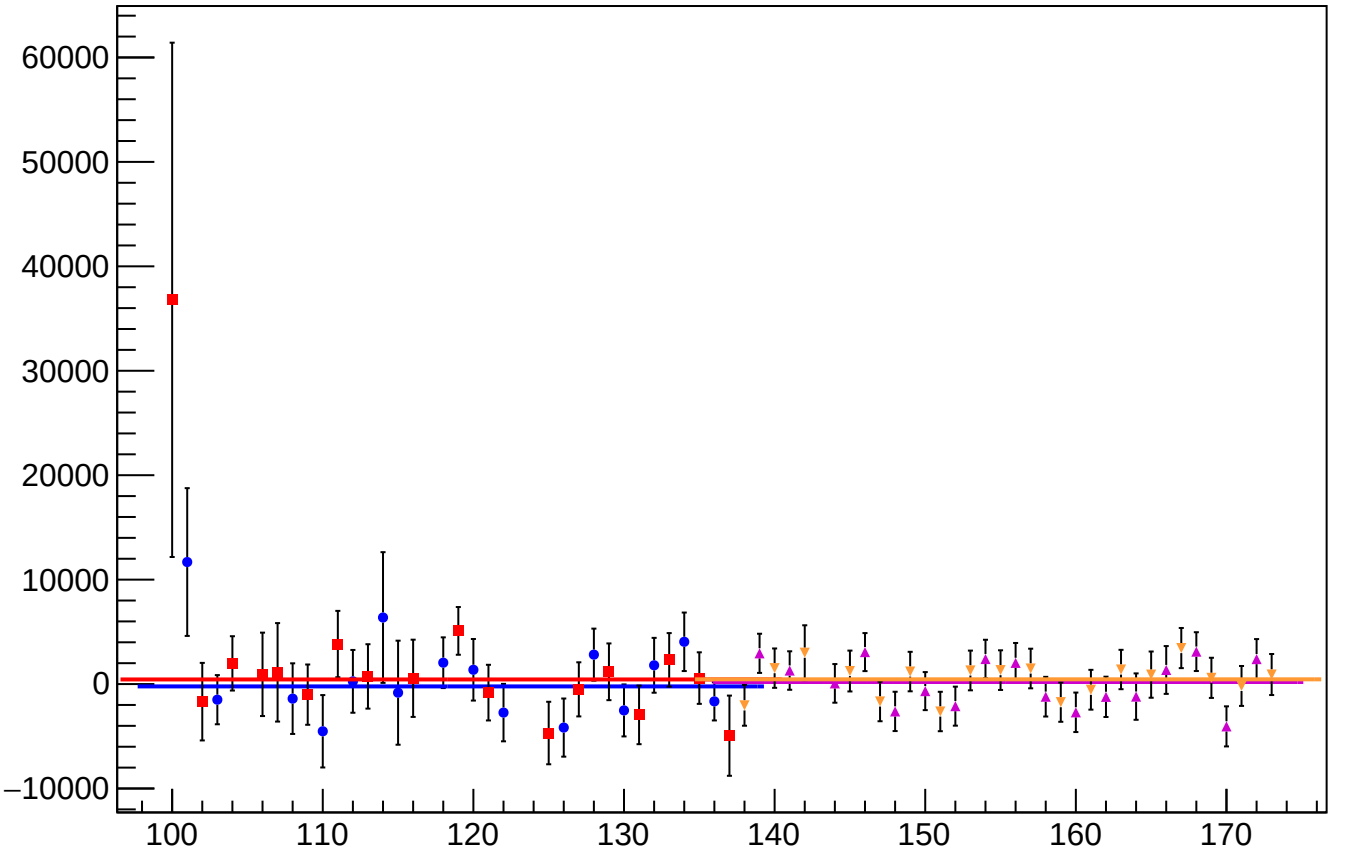
Left: 935.364+/-0.126 χ^2/NDF: 687452.4/34

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1020.873+/-0.162 χ^2/NDF:2689338.7/32

Out: 1019.780+/-0.162 χ^2/NDF:3008496.7/35

All: 1020.327+/-0.115 χ^2/NDF: 5697858.0/68



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 454.235+/-459.319 χ^2/NDF:12.4/17

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 198.775+/-462.927 χ^2/NDF:24.1/16

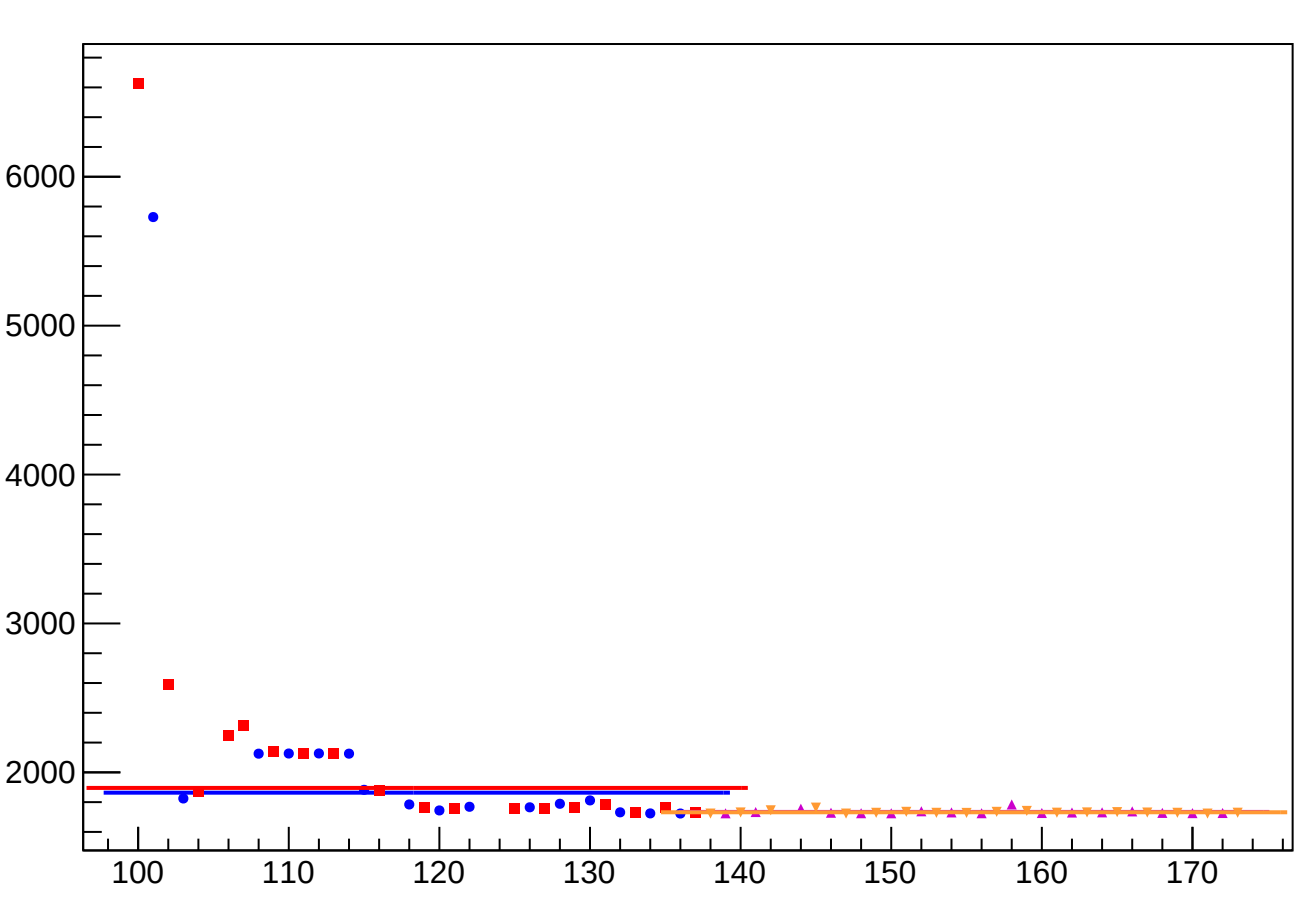
Left: 327.504+/-326.056 χ^2/NDF: 36.6/34

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 72.521+/-387.643 χ^2/NDF:40.2/32

Out: 450.947+/-386.148 χ^2/NDF:28.1/35

All: 262.466+/-273.575 χ^2/NDF: 68.8/68



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.970+/-0.325 χ^2/NDF:782.2/17

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1734.251+/-0.327 χ^2/NDF:2012.2/16

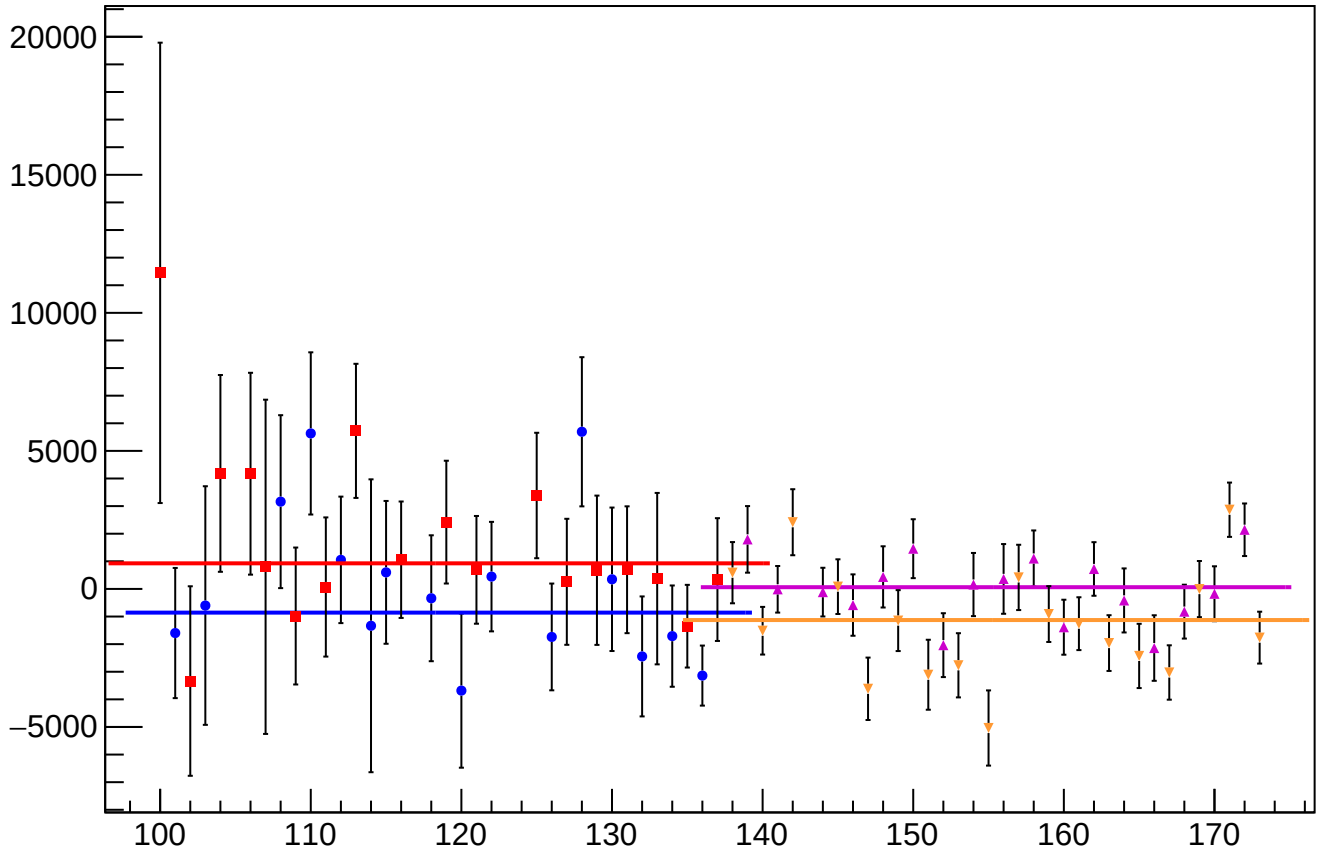
Left: 1733.102+/-0.231 χ^2/NDF: 2818.9/34

Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1772.896+/-0.274 χ^2/NDF:723320.5/32

Out: 1779.920+/-0.273 χ^2/NDF:334283.0/35

All: 1776.421+/-0.193 χ^2/NDF: 1057933.1/68



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1127.259+/-249.616 χ^2/NDF:56.0/17

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 62.778+/-252.604 χ^2/NDF:20.5/16

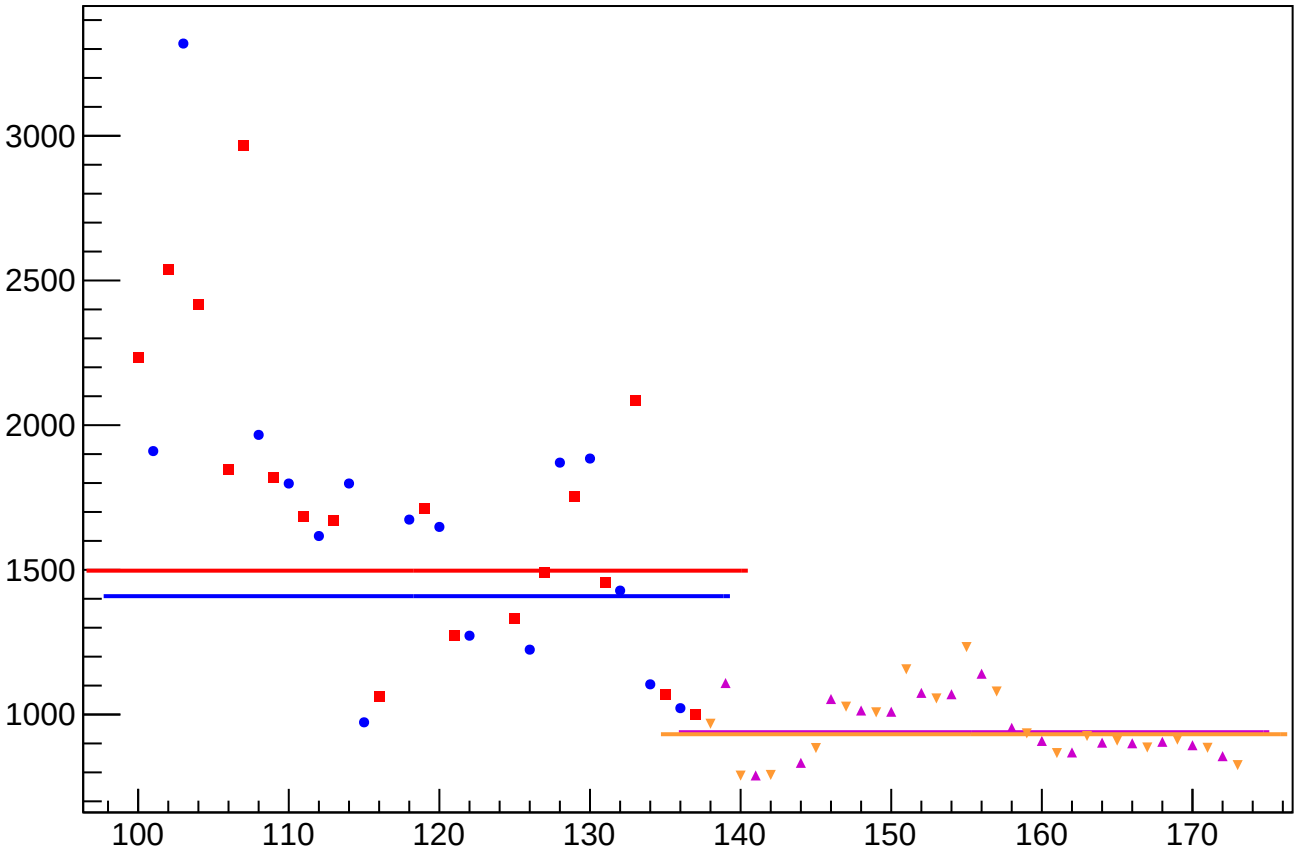
Left: -539.321+/-177.552 χ^2/NDF: 87.8/34

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -97.757+/-229.533 χ^2/NDF:43.5/32

Out: -810.719+/-229.582 χ^2/NDF:80.0/35

All: -454.162+/-162.322 χ^2/NDF: 128.2/68



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 931.889+/-0.177 χ^2/NDF:372771.2/17

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 938.916+/-0.179 χ^2/NDF:313889.7/16

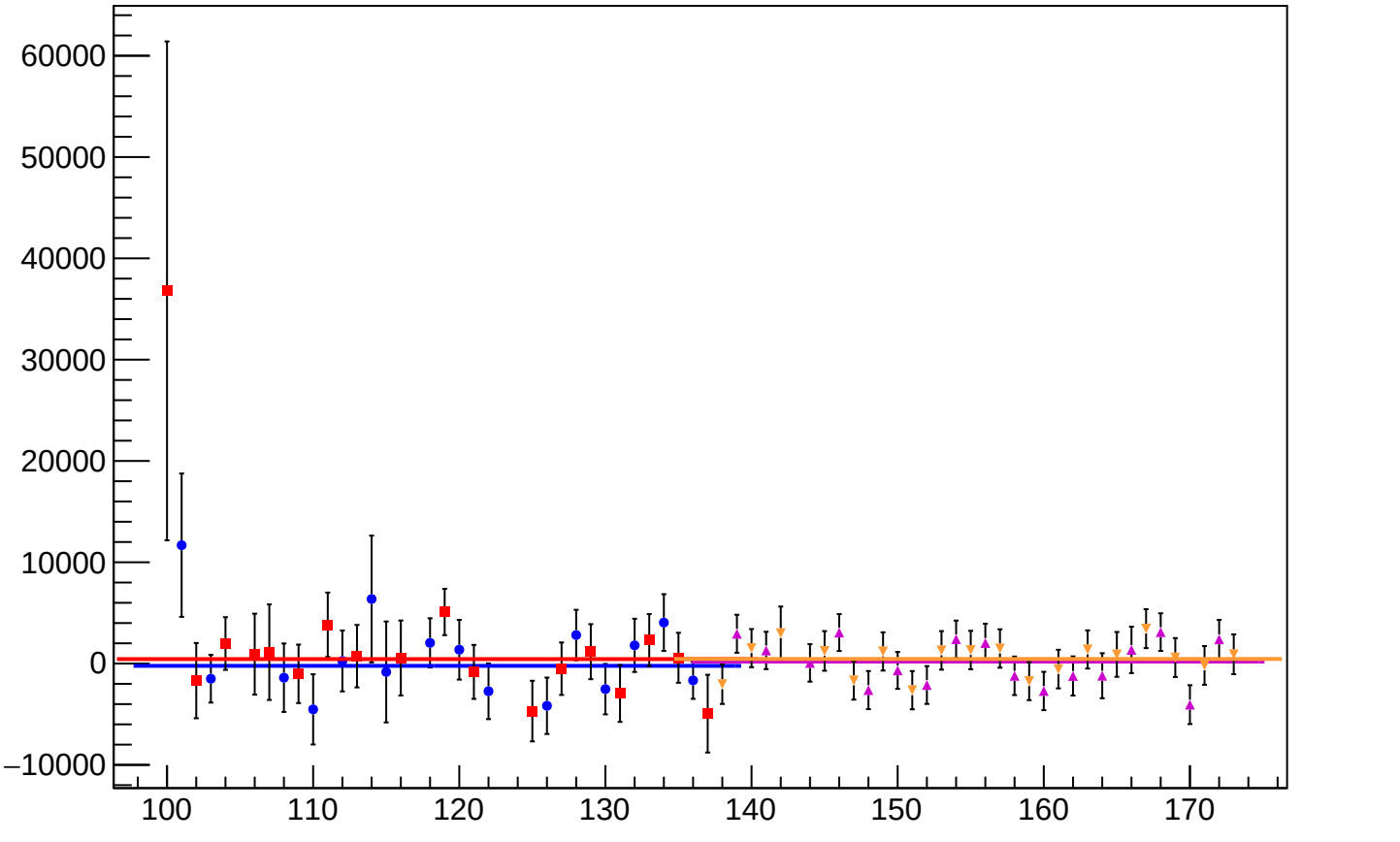
Left: 935.361+/-0.126 χ^2/NDF: 687444.0/34

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1020.867+/-0.162 χ^2/NDF:2688477.7/32

Out: 1018.982+/-0.162 χ^2/NDF:2971103.5/35

All: 1019.925+/-0.115 χ^2/NDF: 5659648.7/68



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 454.235+/-459.319 χ^2/NDF:12.4/17

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 198.775+/-462.927 χ^2/NDF:24.1/16

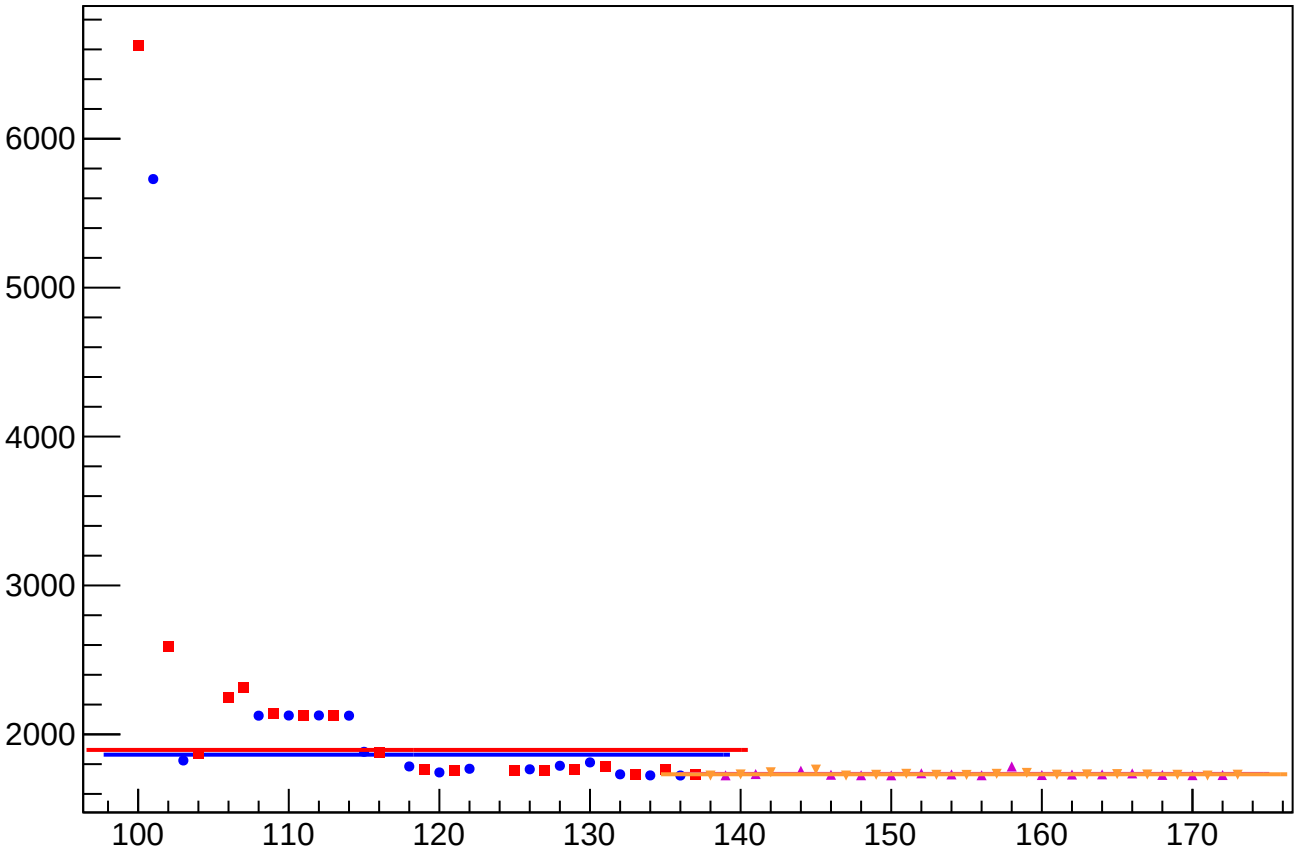
Left: 327.504+/-326.056 χ^2/NDF: 36.6/34

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 72.521+/-387.643 χ^2/NDF:40.2/32

Out: 450.947+/-386.148 χ^2/NDF:28.1/35

All: 262.466+/-273.575 χ^2/NDF: 68.8/68



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.970+/-0.325 χ^2/NDF:782.2/17

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1734.251+/-0.327 χ^2/NDF:2012.2/16

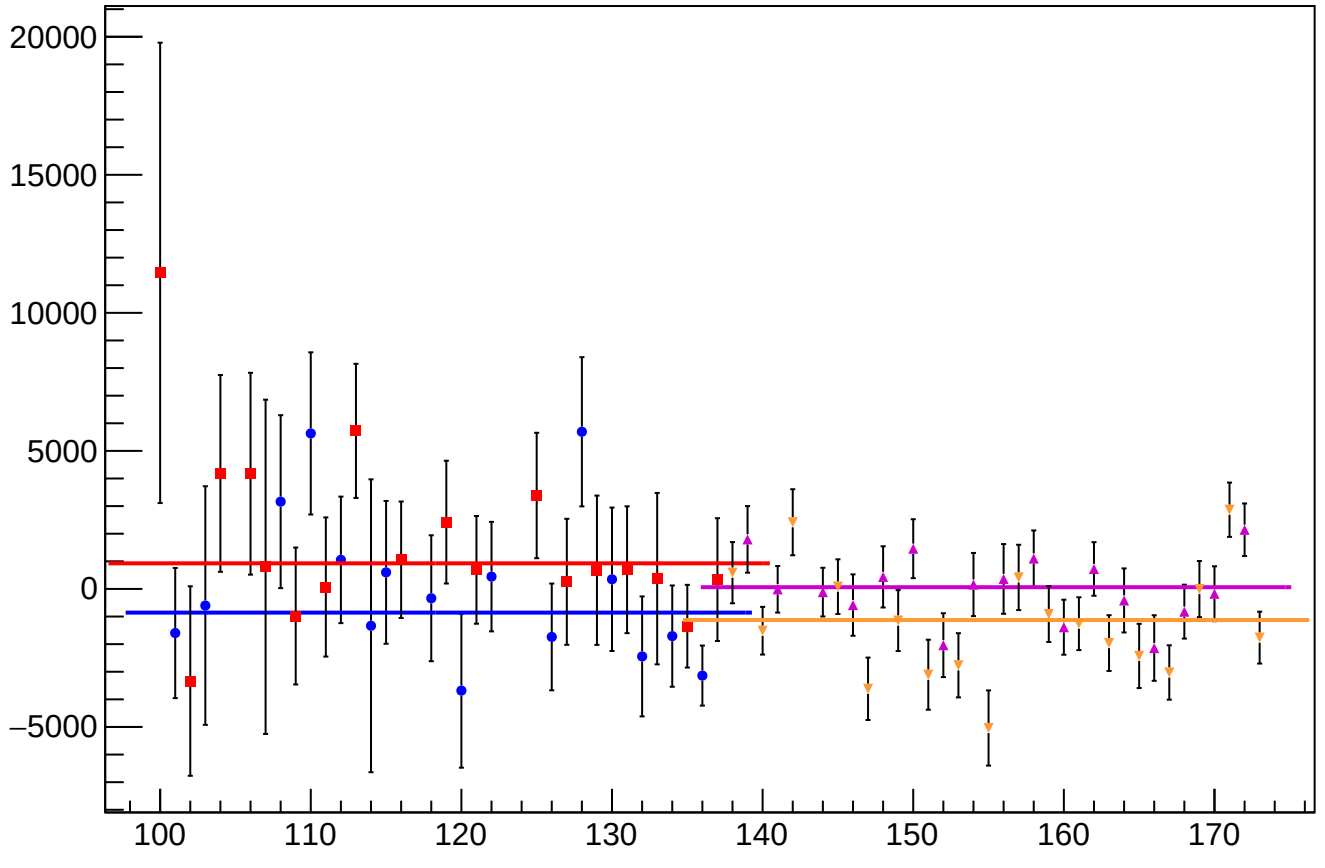
Left: 1733.102+/-0.231 χ^2/NDF: 2818.9/34

Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1772.896+/-0.274 χ^2/NDF:723320.5/32

Out: 1779.920+/-0.273 χ^2/NDF:334283.0/35

All: 1776.421+/-0.193 χ^2/NDF: 1057933.1/68



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1127.259+/-249.616 χ^2/NDF:56.0/17

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 62.778+/-252.604 χ^2/NDF:20.5/16

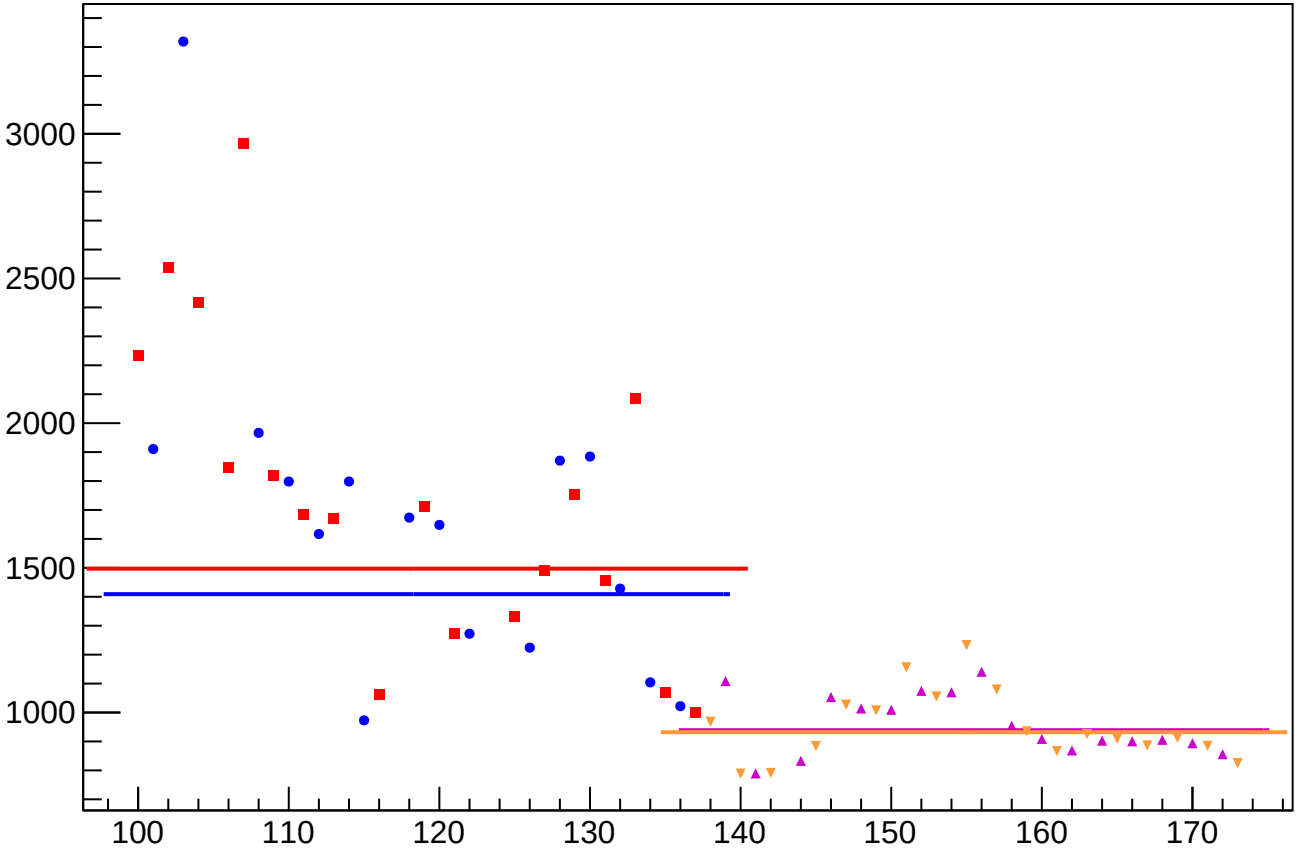
Left: -539.321+/-177.552 χ^2/NDF: 87.8/34

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -97.757+/-229.533 χ^2/NDF:43.5/32

Out: -810.719+/-229.582 χ^2/NDF:80.0/35

All: -454.162+/-162.322 χ^2/NDF: 128.2/68



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 931.889+/-0.177 χ^2/NDF:372771.2/17

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 938.916+/-0.179 χ^2/NDF:313889.7/16

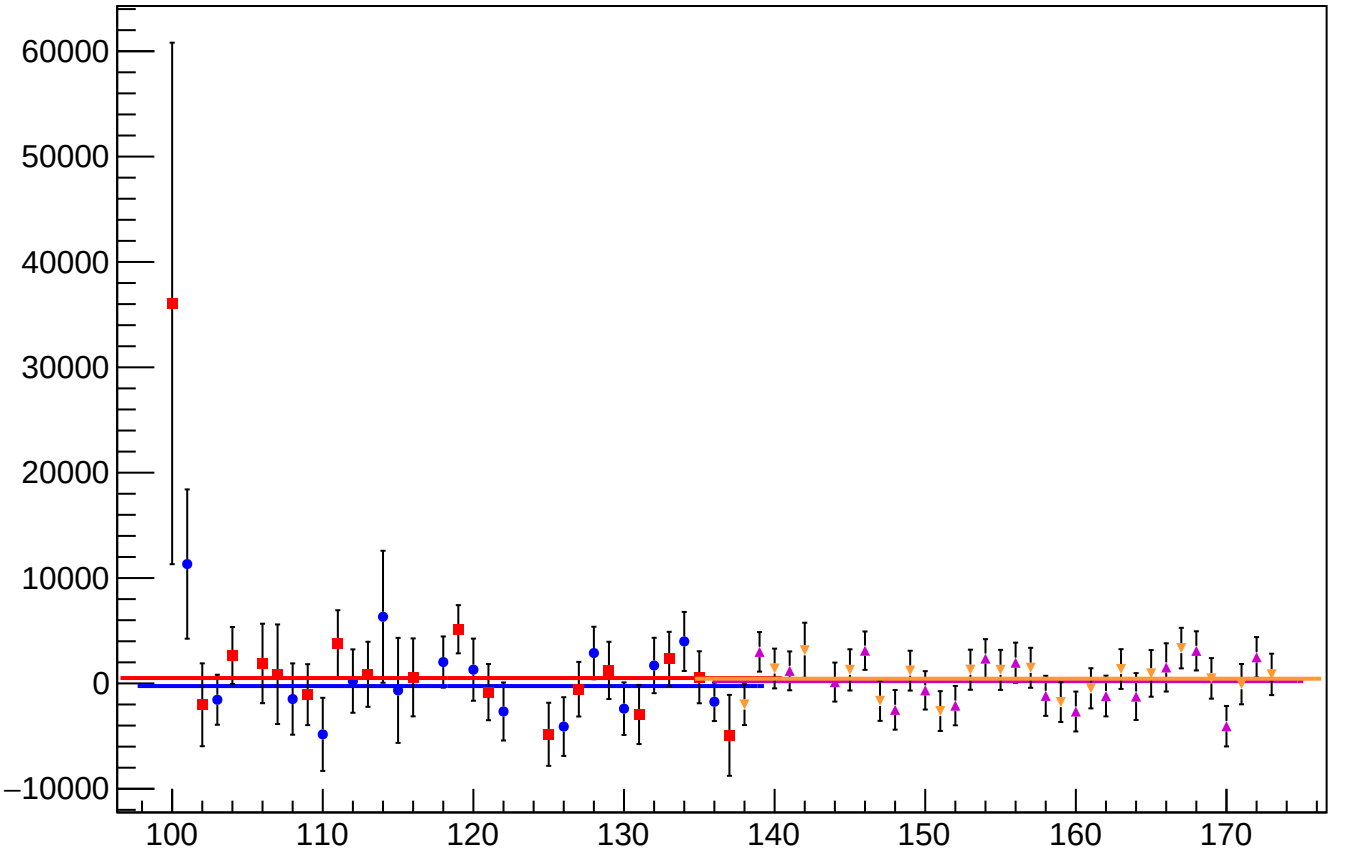
Left: 935.361+/-0.126 χ^2/NDF: 687444.0/34

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1020.867+/-0.162 χ^2/NDF:2688477.7/32

Out: 1018.982+/-0.162 χ^2/NDF:2971103.5/35

All: 1019.925+/-0.115 χ^2/NDF: 5659648.7/68



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 447.591+/-459.514 χ^2/NDF:12.1/17

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 218.039+/-463.183 χ^2/NDF:24.0/16

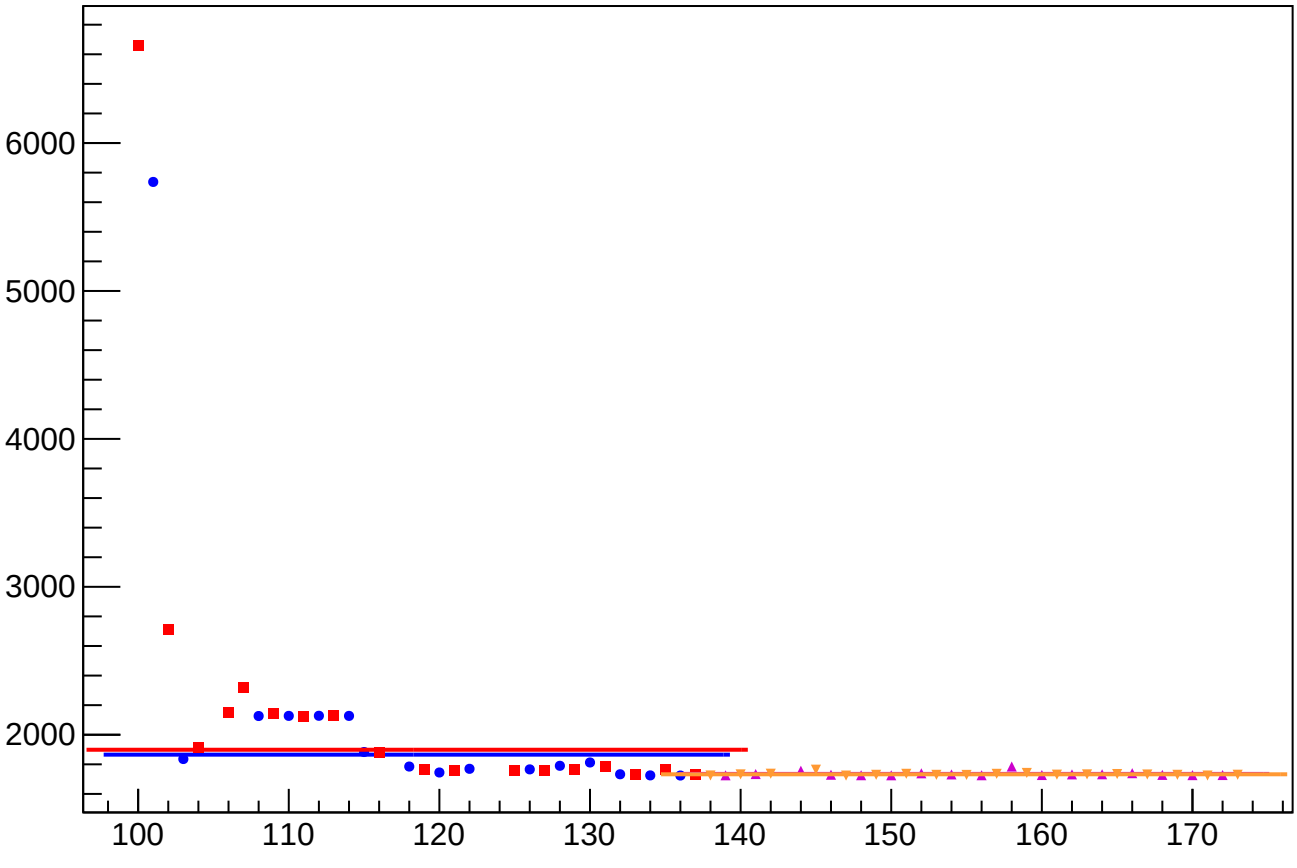
Left: 333.728+/-326.215 χ^2/NDF: 36.2/34

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 77.701+/-387.928 χ^2/NDF:39.9/32

Out: 465.852+/-386.635 χ^2/NDF:28.5/35

All: 272.425+/-273.848 χ^2/NDF: 69.0/68



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.674+/-0.325 χ^2/NDF:724.3/17

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1735.212+/-0.328 χ^2/NDF:2008.9/16

Left: 1733.933+/-0.231 χ^2/NDF: 2763.5/34

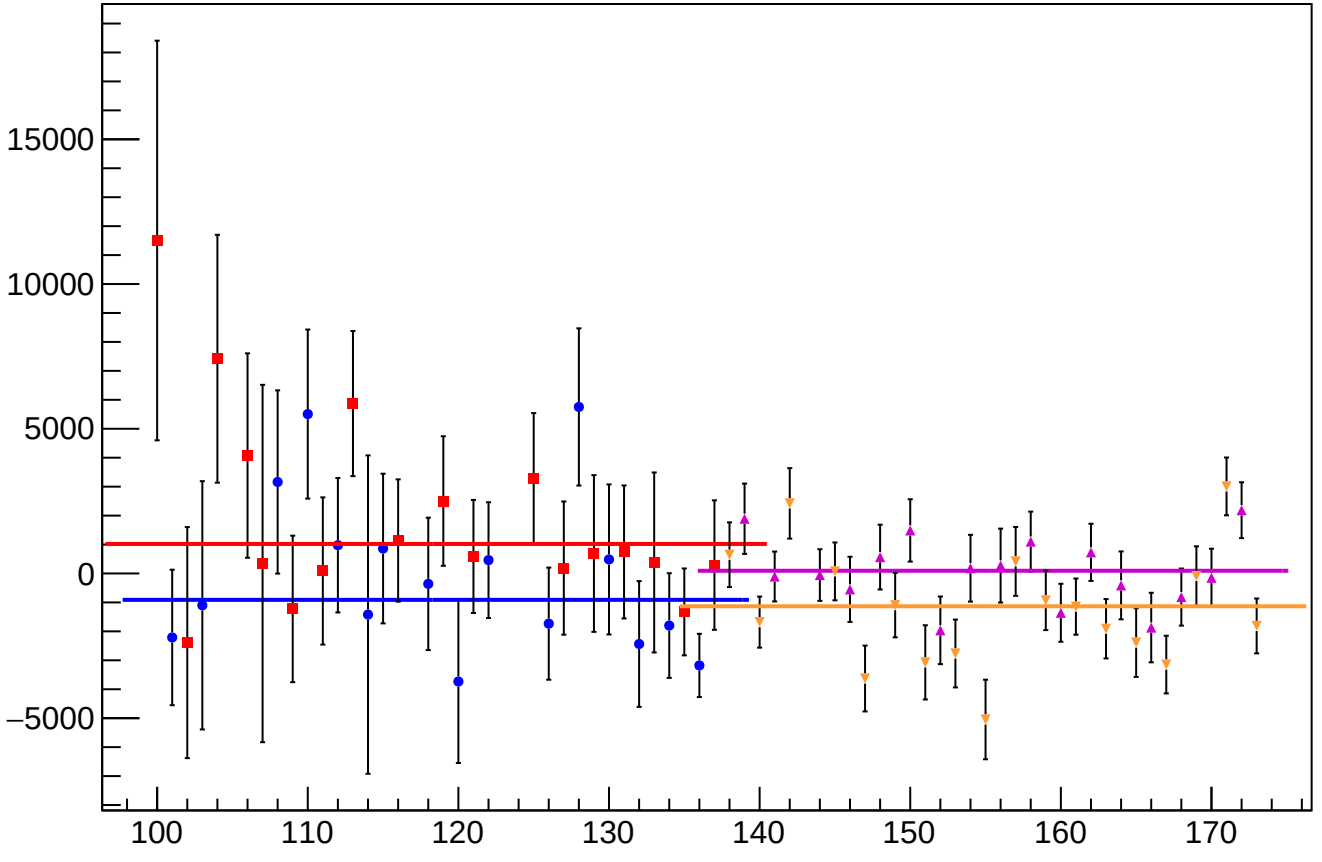
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1774.092+/-0.274 χ^2/NDF:724199.4/32

Out: 1781.133+/-0.273 χ^2/NDF:345995.0/35

All: 1777.624+/-0.194 χ^2/NDF: 1070525.0/68

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -1133.027+/-252.710 χ^2/NDF:56.3/17

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 93.579+/-255.682 χ^2/NDF:19.5/16

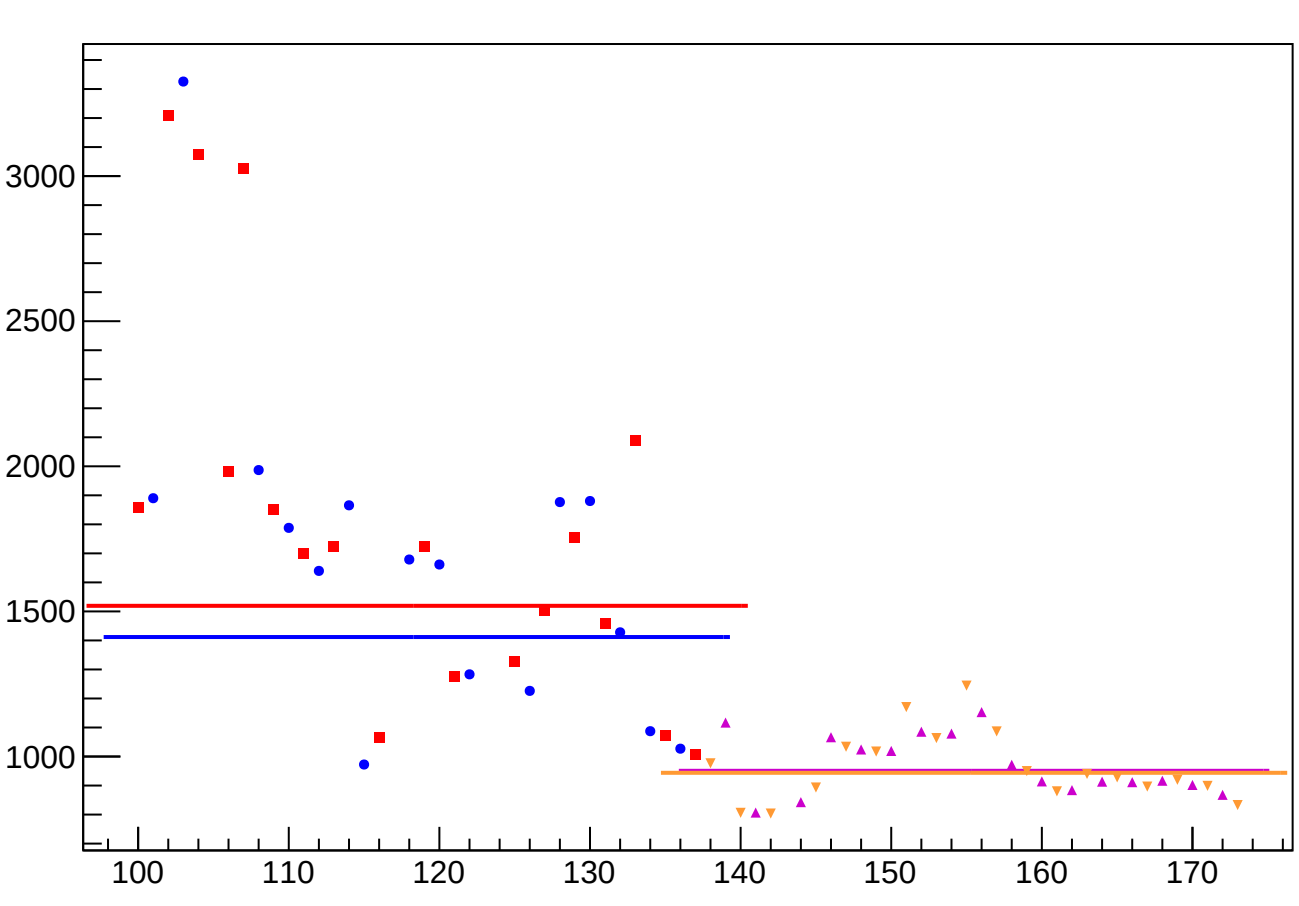
Left: -526.896+/-179.734 χ^2/NDF: 87.5/34

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -84.487+/-231.916 χ^2/NDF:43.2/32

Out: -800.772+/-232.395 χ^2/NDF:82.5/35

All: -441.891+/-164.159 χ^2/NDF: 130.4/68



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 943.928+/-0.179 χ^2/NDF:357260.2/17

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 950.808+/-0.181 χ^2/NDF:300394.1/16

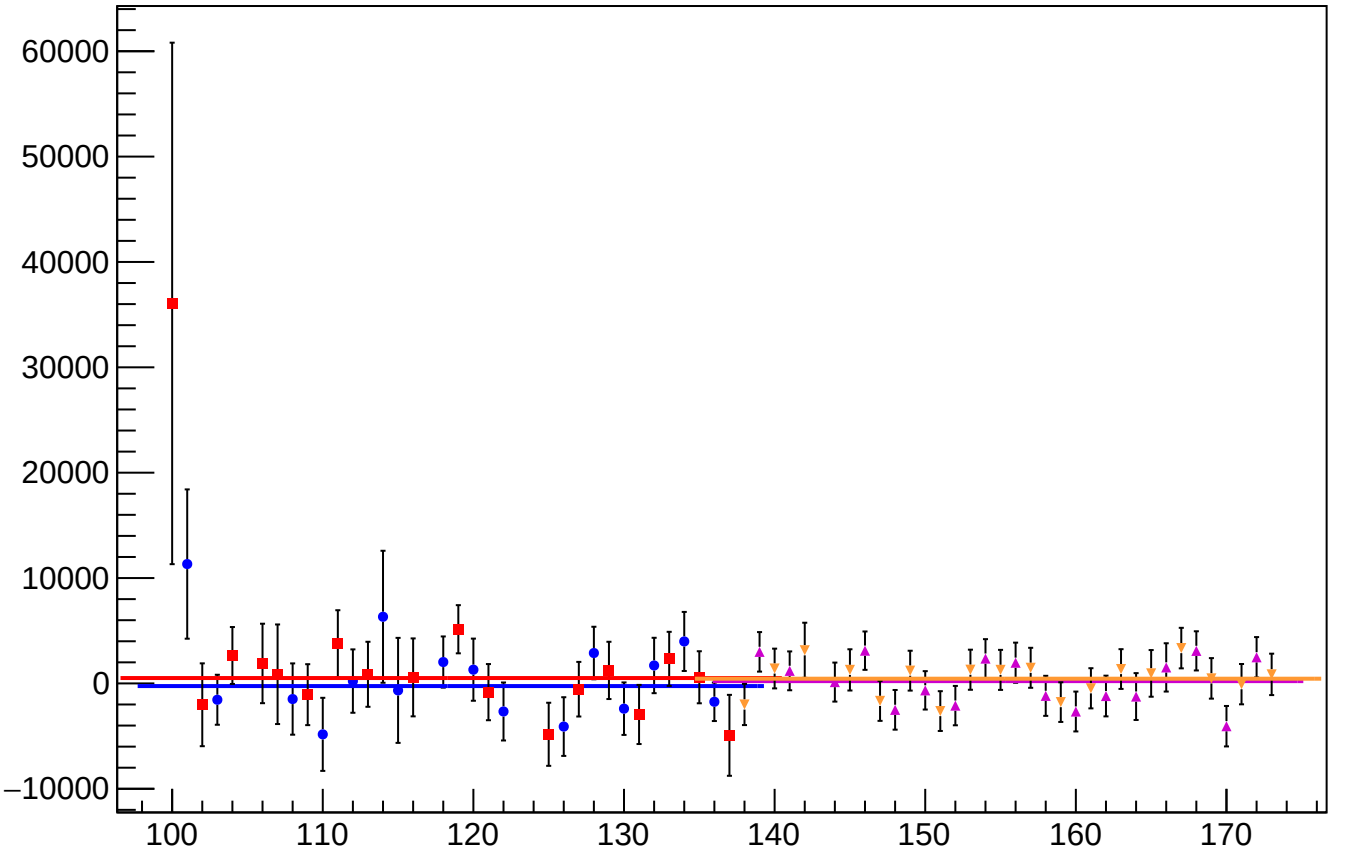
Left: 947.328+/-0.127 χ^2/NDF: 658386.8/34

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1032.516+/-0.164 χ^2/NDF:2630357.8/32

Out: 1032.715+/-0.164 χ^2/NDF:3317290.5/35

All: 1032.615+/-0.116 χ^2/NDF: 5947649.0/68



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 447.591+/-459.514 χ^2/NDF:12.1/17

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 218.040+/-463.183 χ^2/NDF:24.0/16

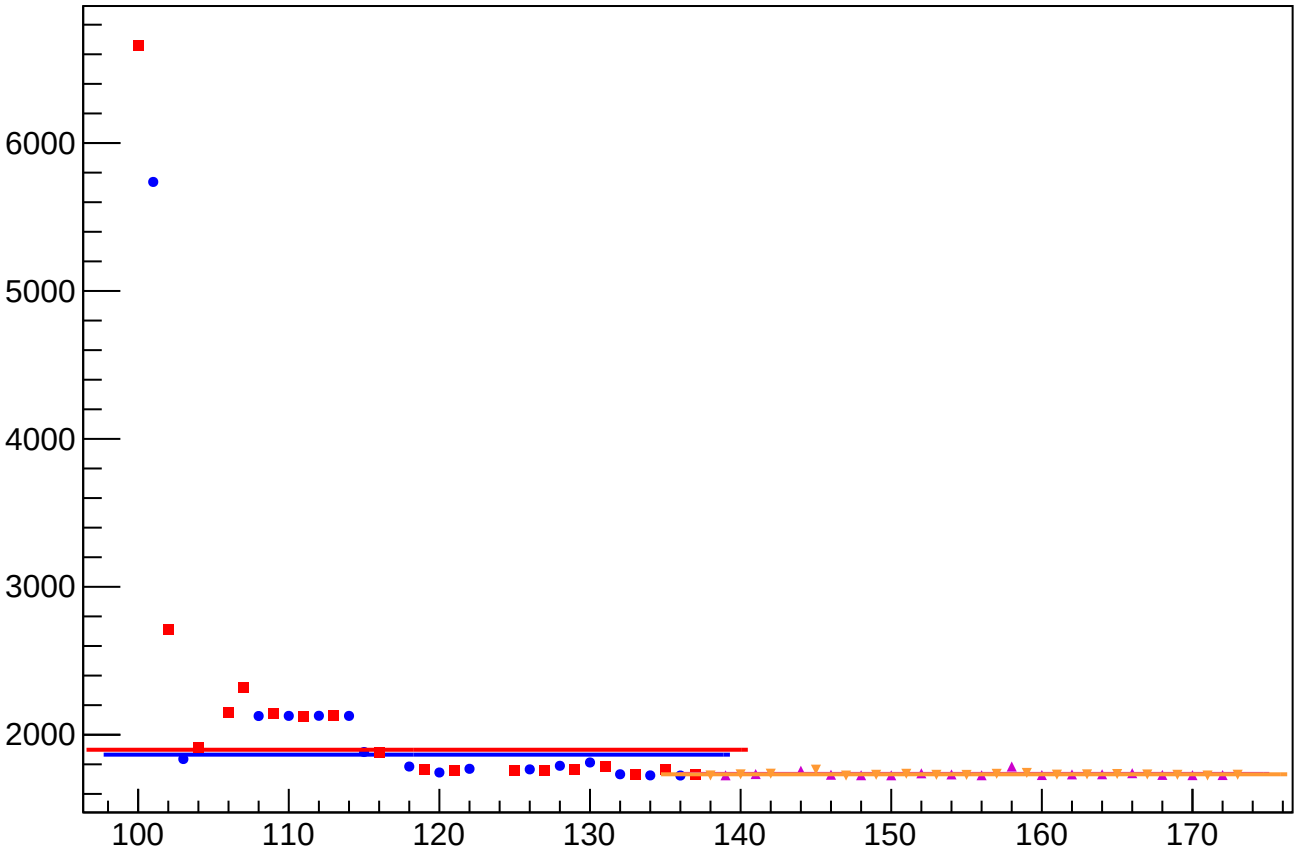
Left: 333.728+/-326.215 χ^2/NDF: 36.2/34

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 77.702+/-387.928 χ^2/NDF:39.9/32

Out: 465.851+/-386.635 χ^2/NDF:28.5/35

All: 272.424+/-273.848 χ^2/NDF: 69.0/68



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.674+/-0.325 χ^2/NDF:724.3/17

Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1735.212+/-0.328 χ^2/NDF:2008.9/16

Left: 1733.933+/-0.231 χ^2/NDF: 2763.5/34

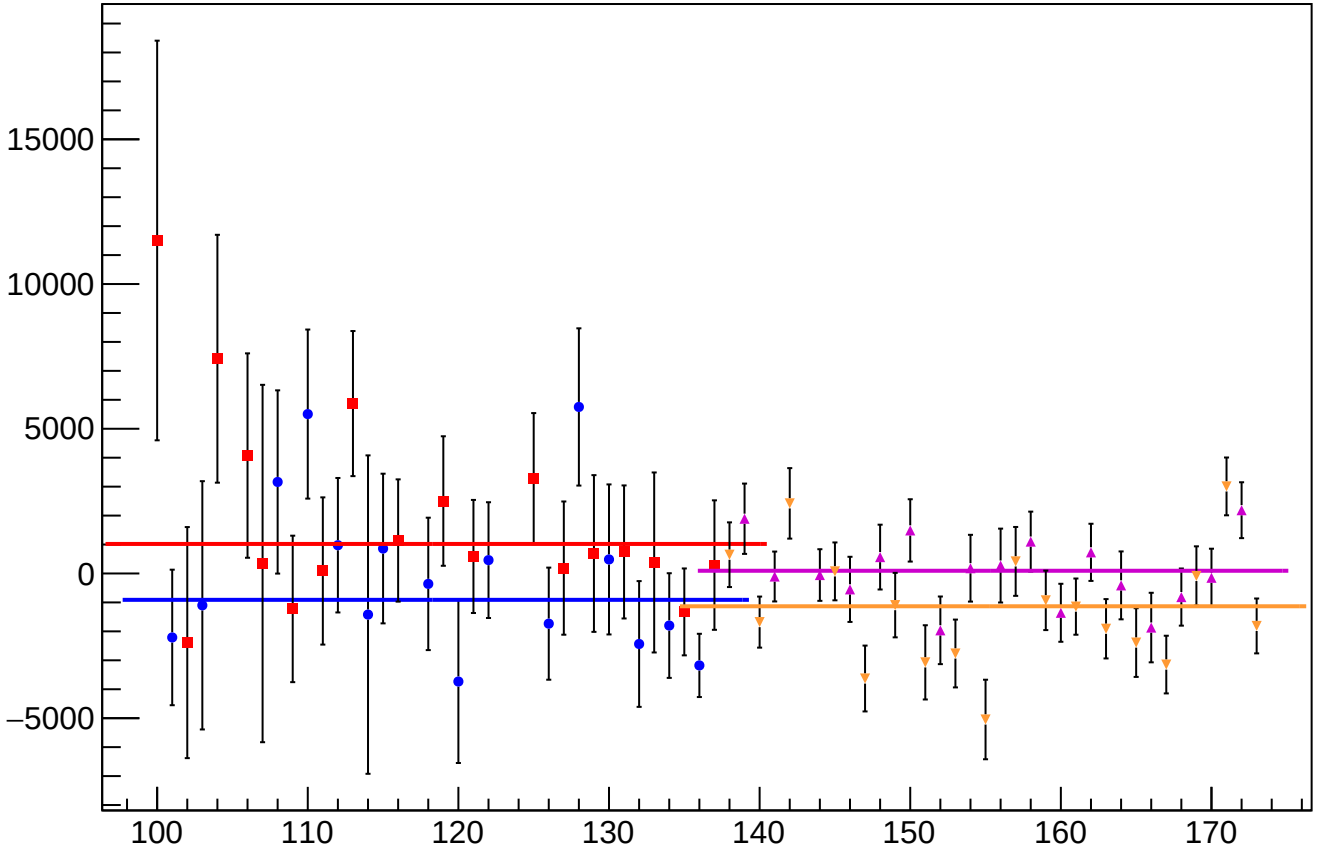
Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1774.092+/-0.274 χ^2/NDF:724199.4/32

Out: 1781.133+/-0.273 χ^2/NDF:345994.7/35

All: 1777.624+/-0.194 χ^2/NDF: 1070524.7/68

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: -1133.027+/-252.710 χ^2/NDF:56.3/17

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 93.577+/-255.682 χ^2/NDF:19.5/16

Left: -526.897+/-179.734 χ^2/NDF: 87.5/34

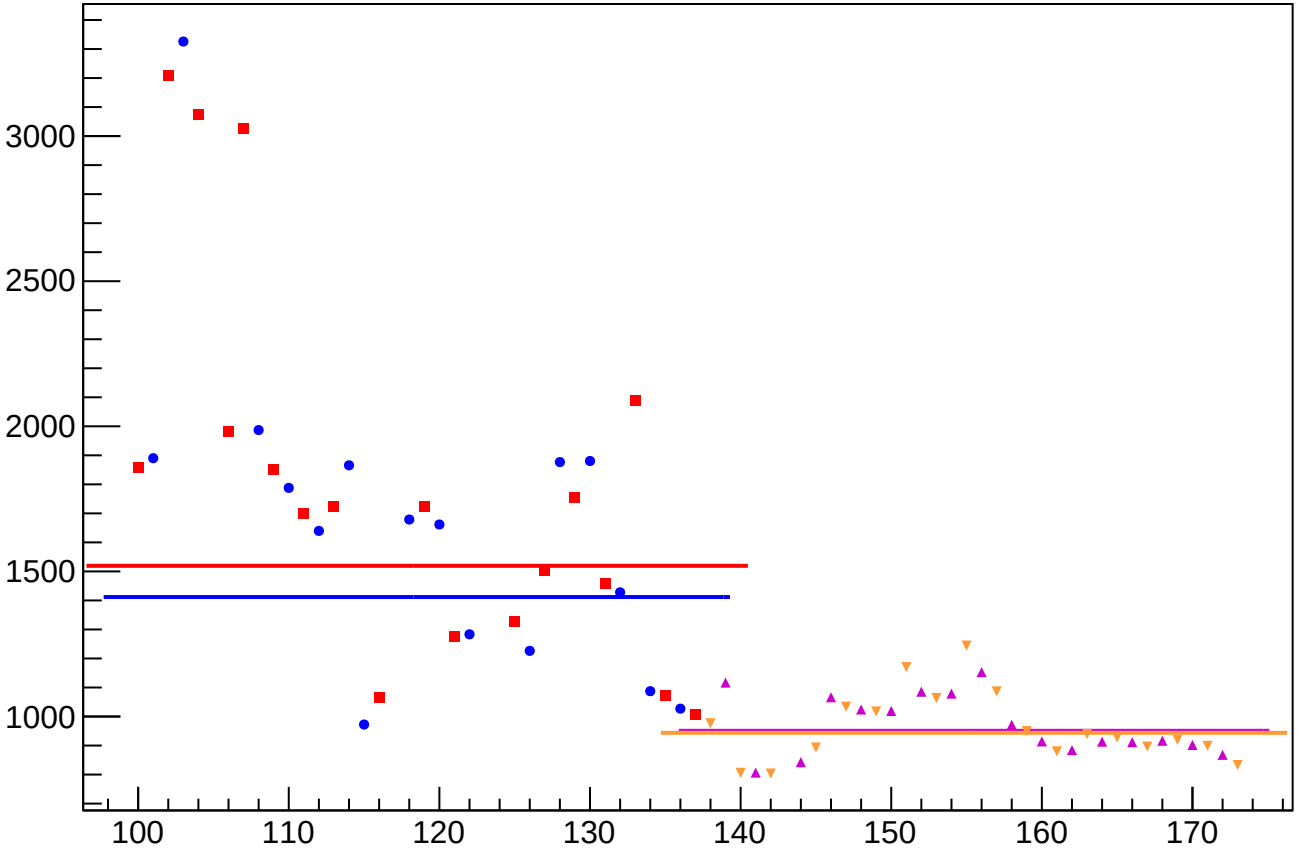
Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -84.489+/-231.916 χ^2/NDF:43.2/32

Out: -800.771+/-232.395 χ^2/NDF:82.5/35

All: -441.891+/-164.159 χ^2/NDF: 130.4/68

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1411.745+/-0.389 χ^2/NDF: 1177746.1/15

Left Out: 943.928+/-0.179 χ^2/NDF:357268.7/17

Right Out: 1519.302+/-0.418 χ^2/NDF: 1360150.0/17

Left In: 950.808+/-0.181 χ^2/NDF:300401.8/16

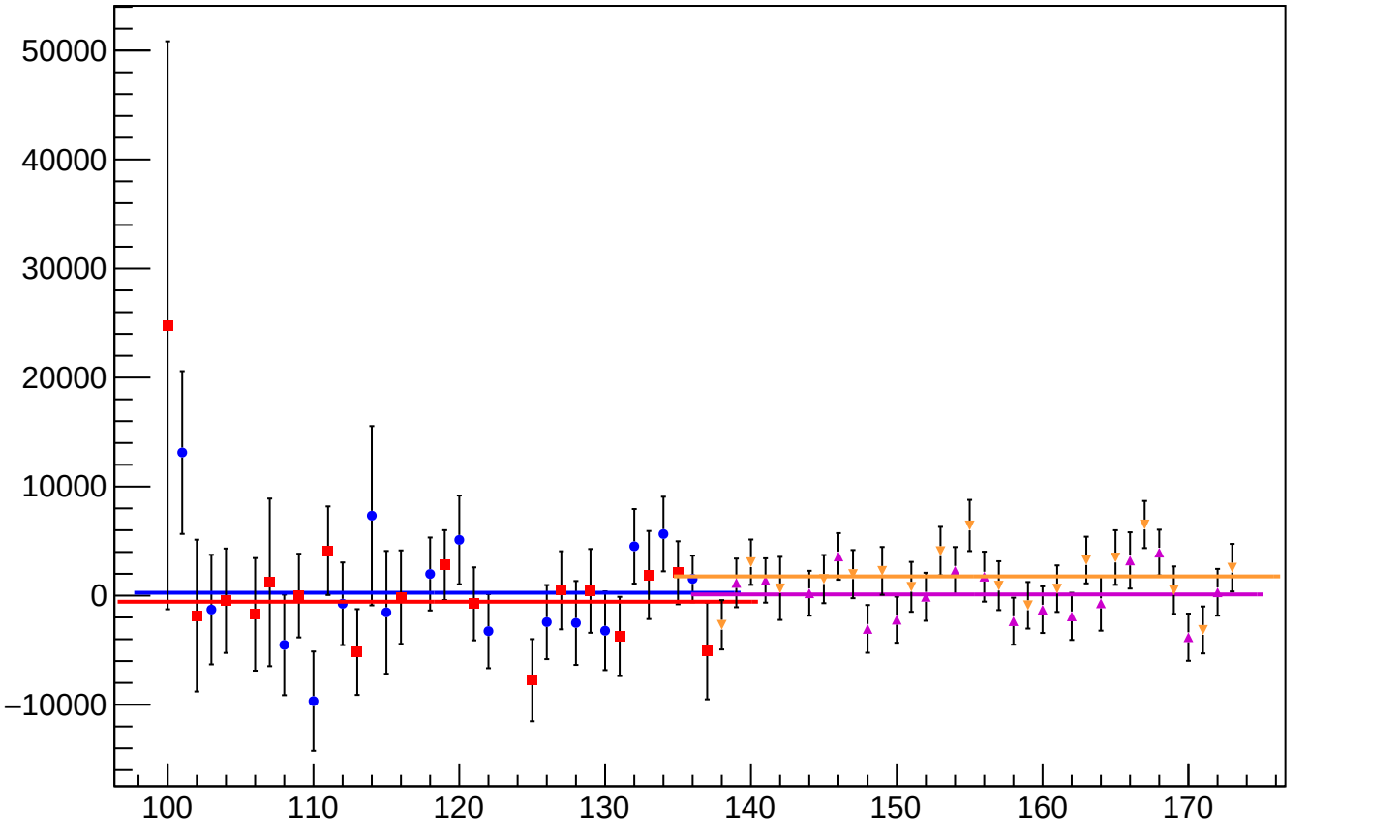
Left: 947.328+/-0.127 χ^2/NDF: 658403.1/34

Right: 1461.691+/-0.285 χ^2/NDF: 2573306.2/33

In: 1032.515+/-0.164 χ^2/NDF:2630354.5/32

Out: 1032.715+/-0.164 χ^2/NDF:3317294.8/35

All: 1032.615+/-0.116 χ^2/NDF: 5947650.0/68



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1762.101+/-526.700 χ^2/NDF:23.1/17

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: 110.677+/-530.432 χ^2/NDF:18.8/16

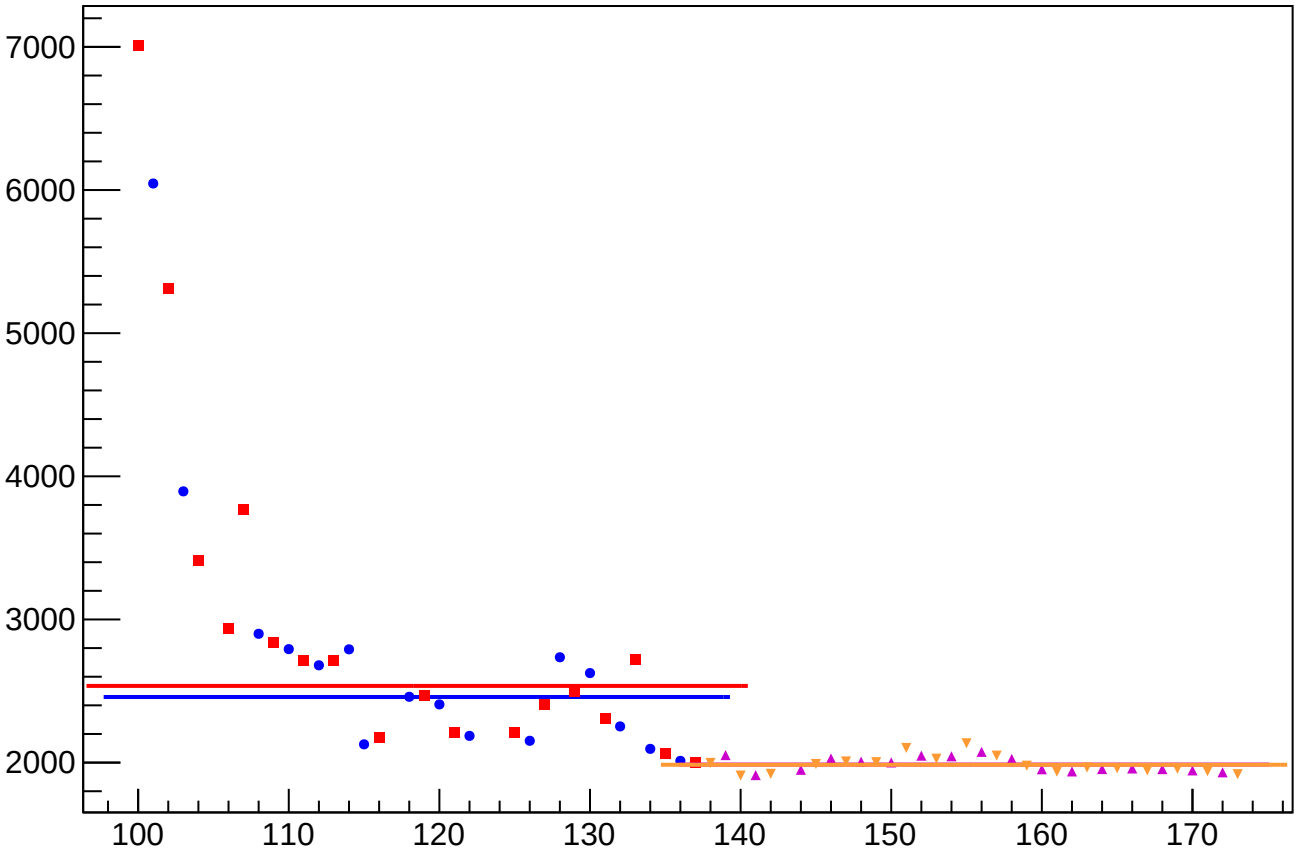
Left: 942.219+/-373.746 χ^2/NDF: 46.8/34

Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 147.681+/-462.192 χ^2/NDF:37.9/32

Out: 1227.144+/-462.093 χ^2/NDF:39.3/35

All: 687.529+/-326.784 χ^2/NDF: 80.0/68



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1984.841+/-0.372 χ^2/NDF:24905.9/17

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1986.351+/-0.375 χ^2/NDF:17176.7/16

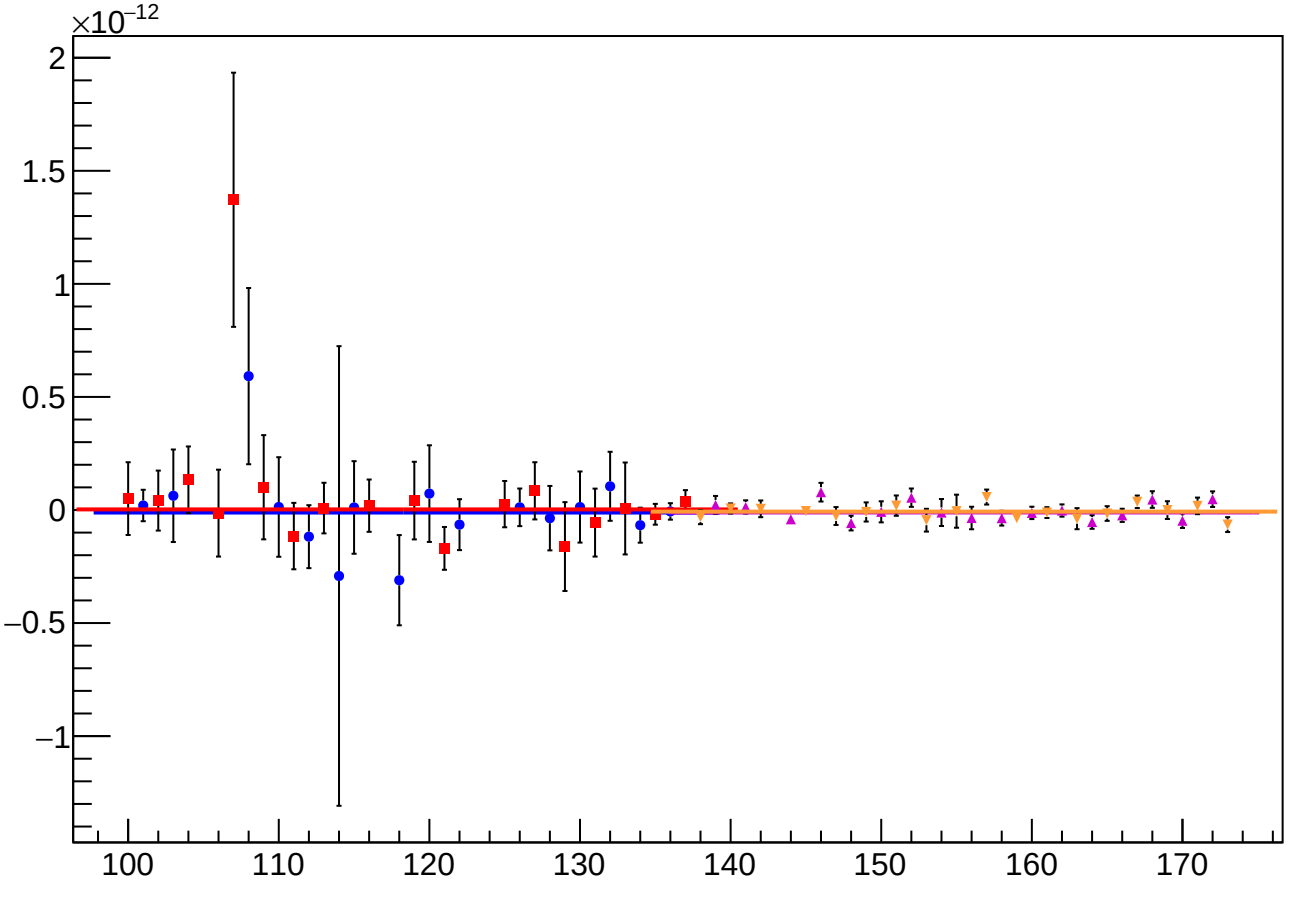
Left: 1985.591+/-0.264 χ^2/NDF: 42090.7/34

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2099.980+/-0.327 χ^2/NDF:1231289.9/32

Out: 2111.713+/-0.327 χ^2/NDF:1202178.3/35

All: 2105.848+/-0.231 χ^2/NDF: 2434112.8/68



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:22.6/16

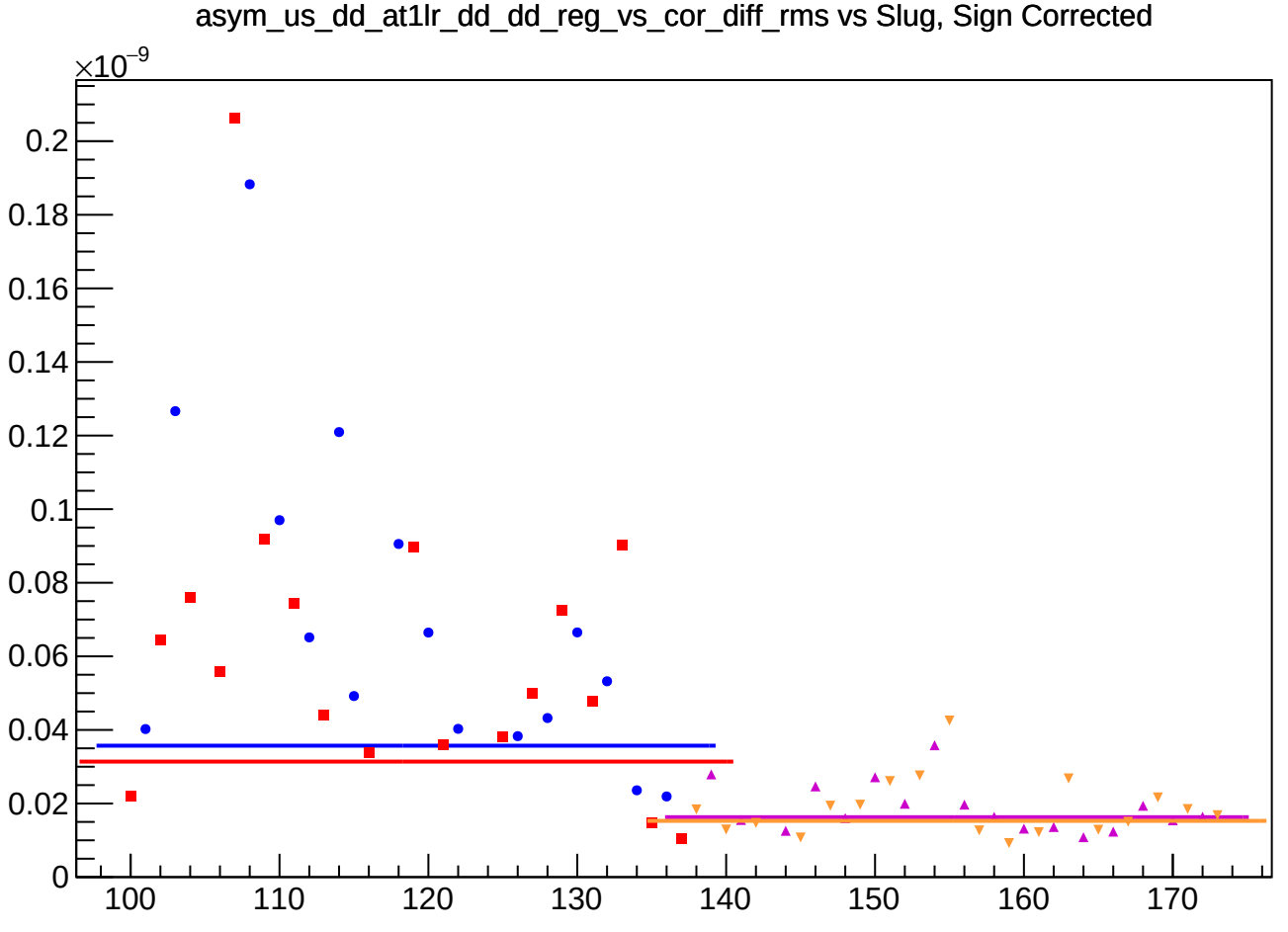
Left: -0.000+/-0.000 χ^2/NDF: 36.9/34

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

In: -0.000+/-0.000 χ^2/NDF:29.9/32

Out: -0.000+/-0.000 χ^2/NDF:27.6/35

All: -0.000+/-0.000 χ^2/NDF: 57.7/68



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1081461.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

Left In: 0.000+/-0.000 χ^2/NDF:826435.5/16

Left: 0.000+/-0.000 χ^2/NDF: 1924490.8/34

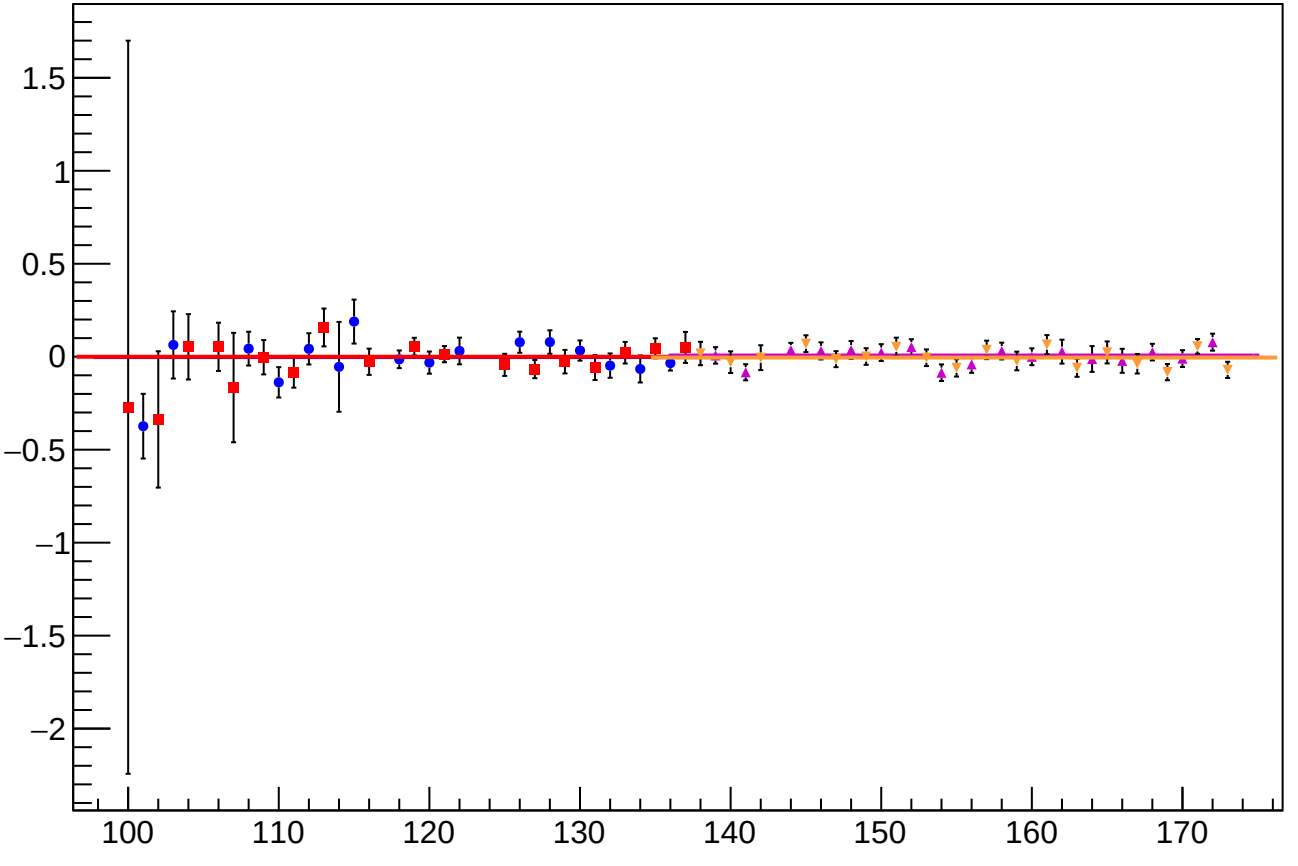
Right: 0.000+/-0.000 χ^2/NDF: 3719751.0/33

In: 0.000+/-0.000 χ^2/NDF:3581342.8/32

Out: 0.000+/-0.000 χ^2/NDF:3947096.5/35

All: 0.000+/-0.000 χ^2/NDF: 7566962.3/68

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.004+/-0.011 χ^2/NDF:18.2/17

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.006+/-0.011 χ^2/NDF:15.6/16

Left: 0.001+/-0.008 χ^2/NDF: 34.3/34

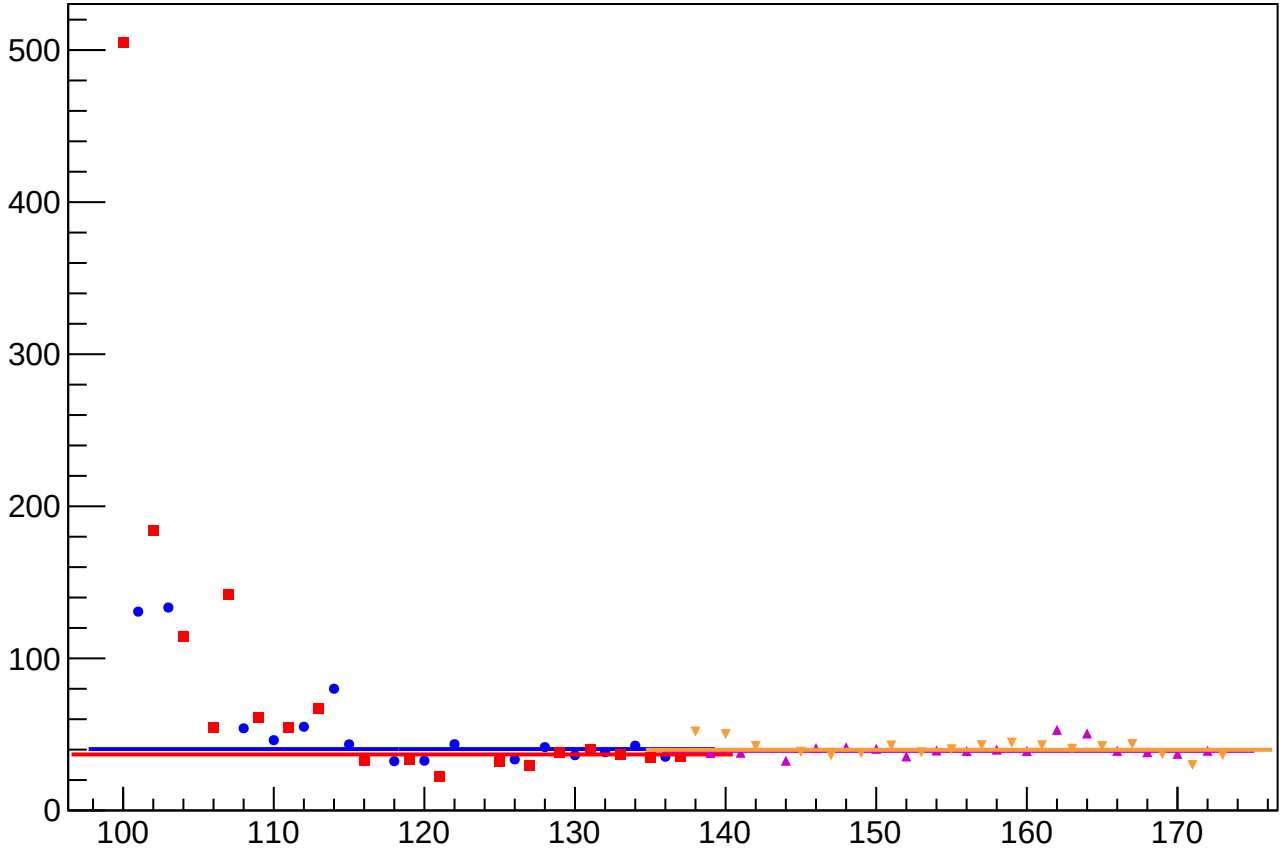
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.004+/-0.009 χ^2/NDF:32.9/32

Out: -0.003+/-0.009 χ^2/NDF:29.2/35

All: 0.000+/-0.007 χ^2/NDF: 62.4/68

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 39.885+/-0.008 χ^2/NDF:359970.4/17

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.162+/-0.008 χ^2/NDF:236003.9/16

Left: 39.519+/-0.006 χ^2/NDF: 599988.7/34

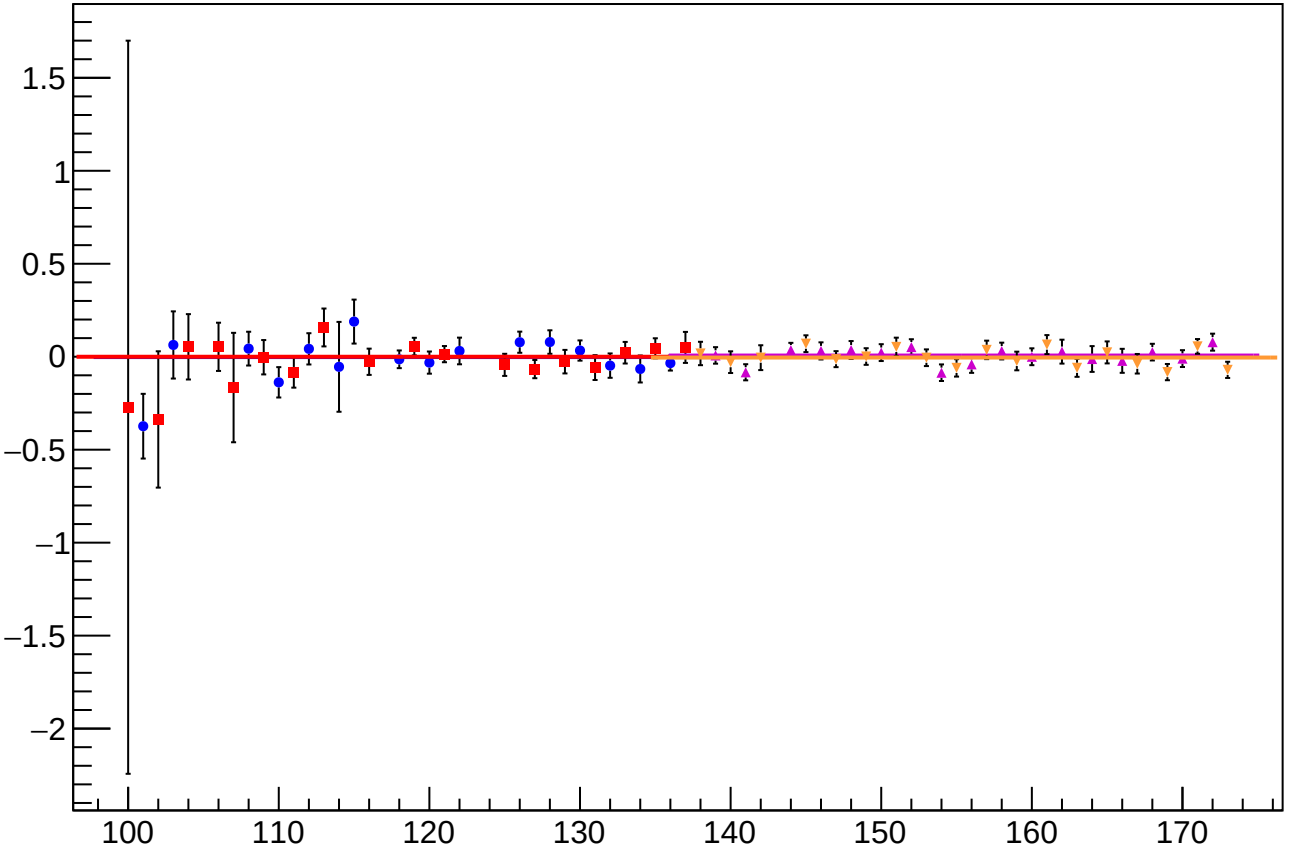
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.526+/-0.007 χ^2/NDF:1652874.2/32

Out: 38.902+/-0.007 χ^2/NDF:2242848.5/35

All: 39.214+/-0.005 χ^2/NDF: 3900092.7/68

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.004+/-0.011 χ^2/NDF:18.2/17

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.006+/-0.011 χ^2/NDF:15.6/16

Left: 0.001+/-0.008 χ^2/NDF: 34.3/34

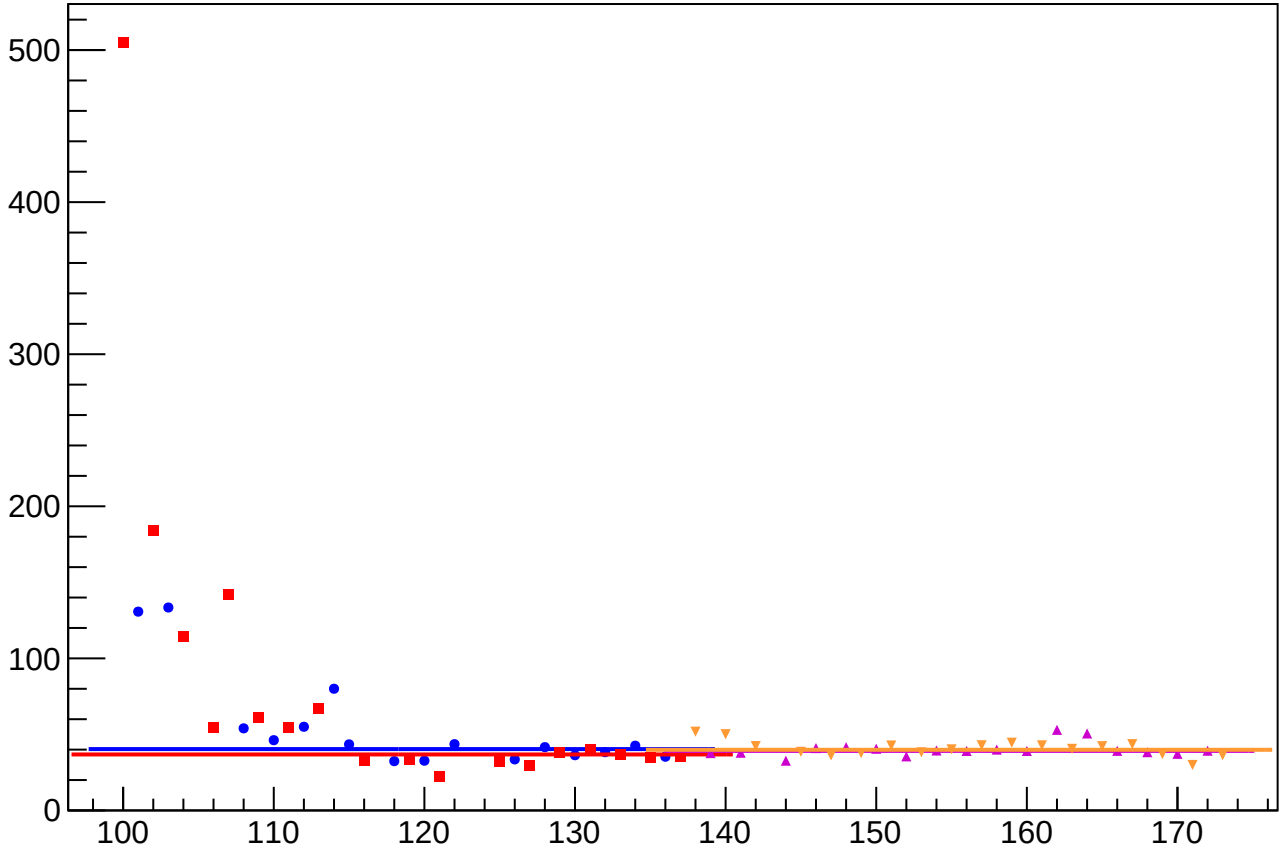
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.004+/-0.009 χ^2/NDF:32.9/32

Out: -0.003+/-0.009 χ^2/NDF:29.2/35

All: 0.000+/-0.007 χ^2/NDF: 62.4/68

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: 39.885+/-0.008 χ^2/NDF:359970.4/17

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.162+/-0.008 χ^2/NDF:236003.9/16

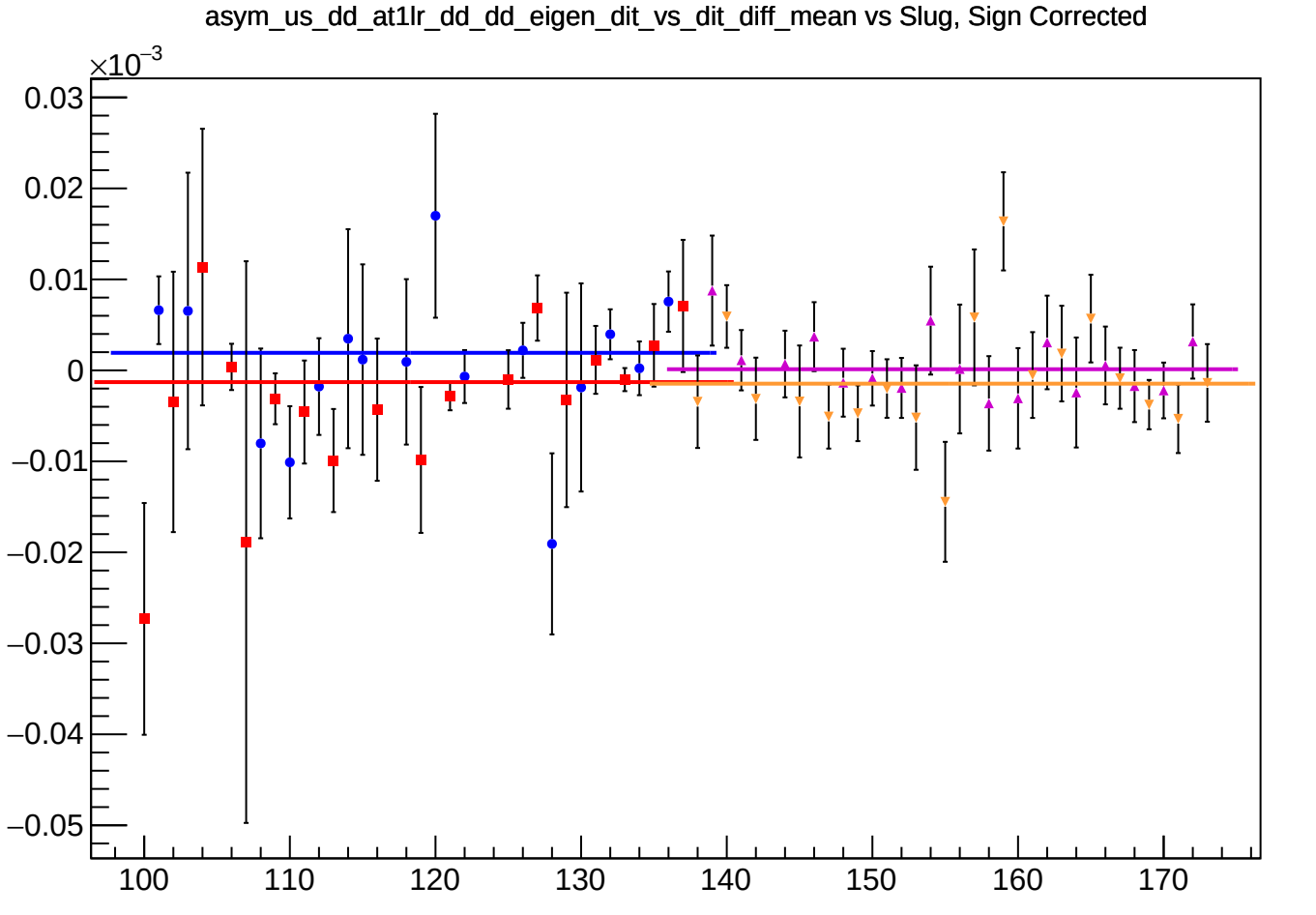
Left: 39.519+/-0.006 χ^2/NDF: 599988.7/34

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.526+/-0.007 χ^2/NDF:1652874.2/32

Out: 38.902+/-0.007 χ^2/NDF:2242848.5/35

All: 39.214+/-0.005 χ^2/NDF: 3900092.7/68



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.8/17

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:7.2/16

Left: -0.000+/-0.000 χ^2/NDF: 36.4/34

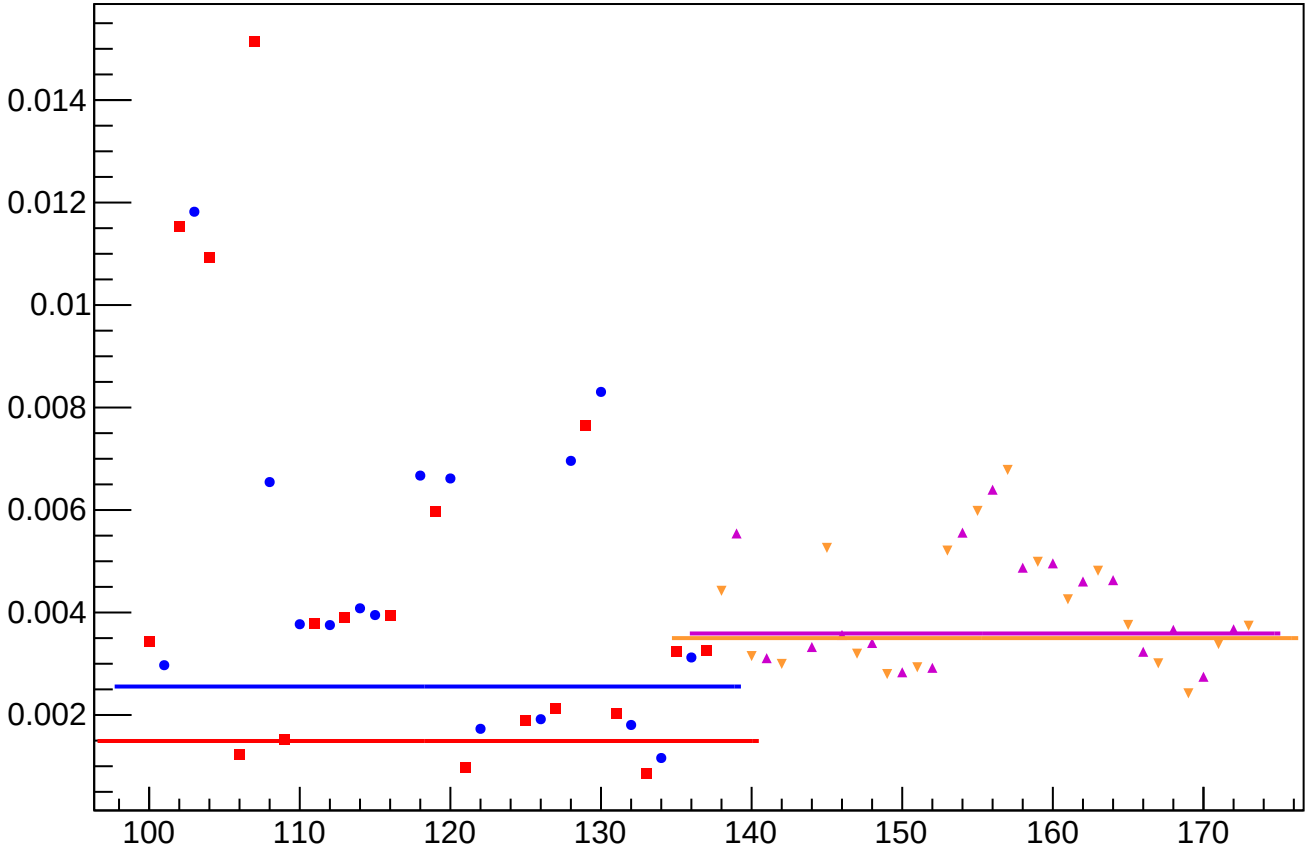
Right: -0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:26.5/32

Out: -0.000+/-0.000 χ^2/NDF:46.7/35

All: -0.000+/-0.000 χ^2/NDF: 78.8/68

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:2006828.4/17

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1560951.4/16

Left: 0.004+/-0.000 χ^2/NDF: 3576245.7/34

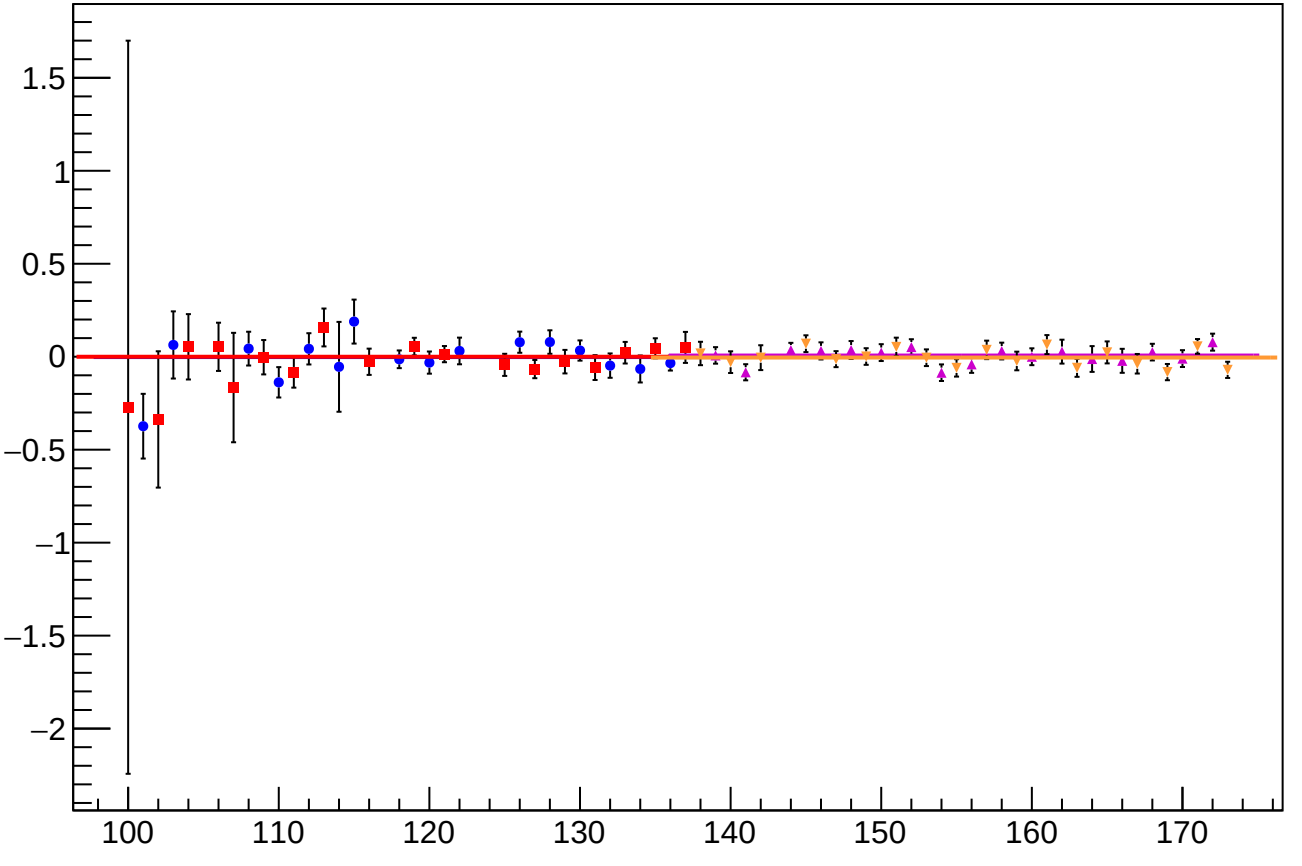
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:6276595.3/32

Out: 0.002+/-0.000 χ^2/NDF:12921089.3/35

All: 0.003+/-0.000 χ^2/NDF: 20953018.1/68

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.004+/-0.011 χ^2/NDF:18.2/17

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.006+/-0.011 χ^2/NDF:15.6/16

Left: 0.001+/-0.008 χ^2/NDF: 34.3/34

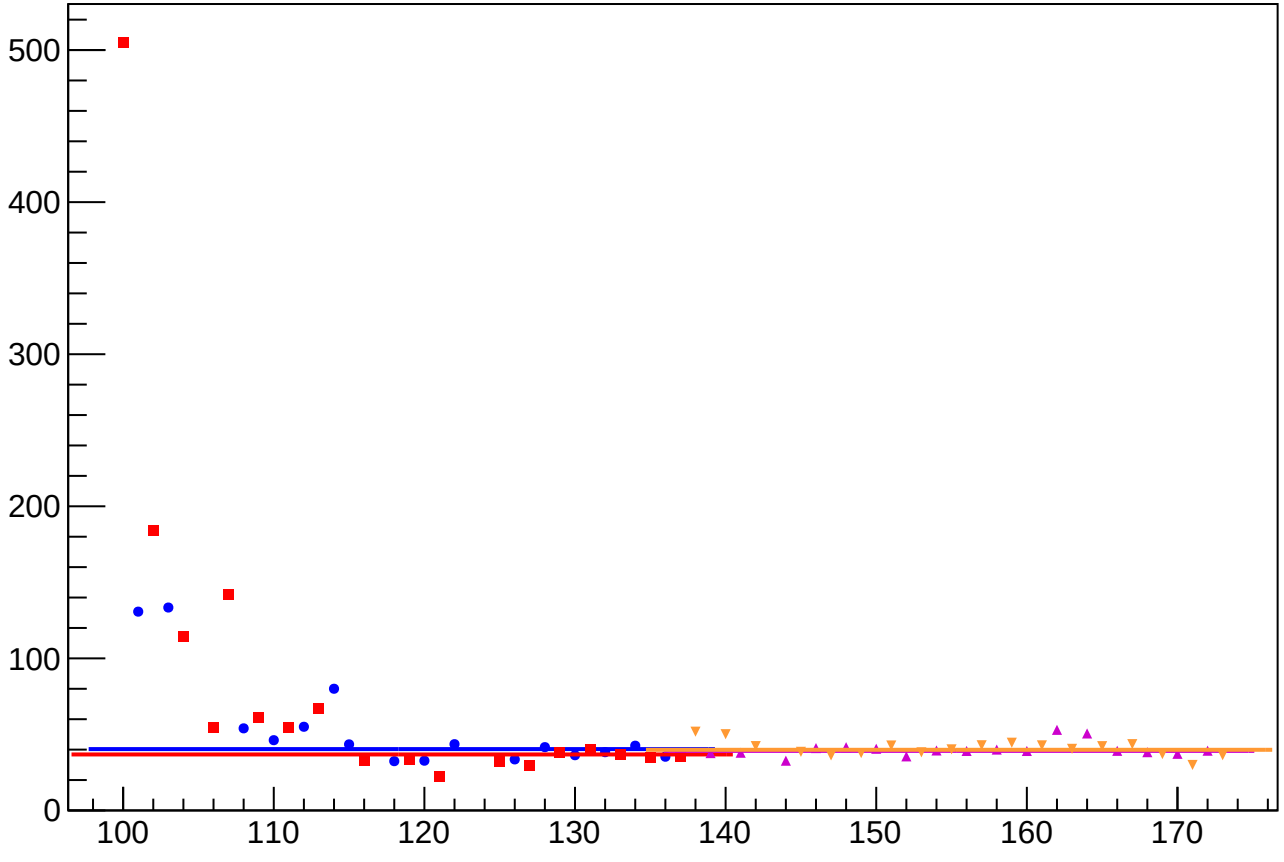
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.004+/-0.009 χ^2/NDF:32.9/32

Out: -0.003+/-0.009 χ^2/NDF:29.2/35

All: 0.000+/-0.007 χ^2/NDF: 62.4/68

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: 39.884+/-0.008 χ^2/NDF:360007.8/17

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.162+/-0.008 χ^2/NDF:235976.9/16

Left: 39.519+/-0.006 χ^2/NDF: 599997.7/34

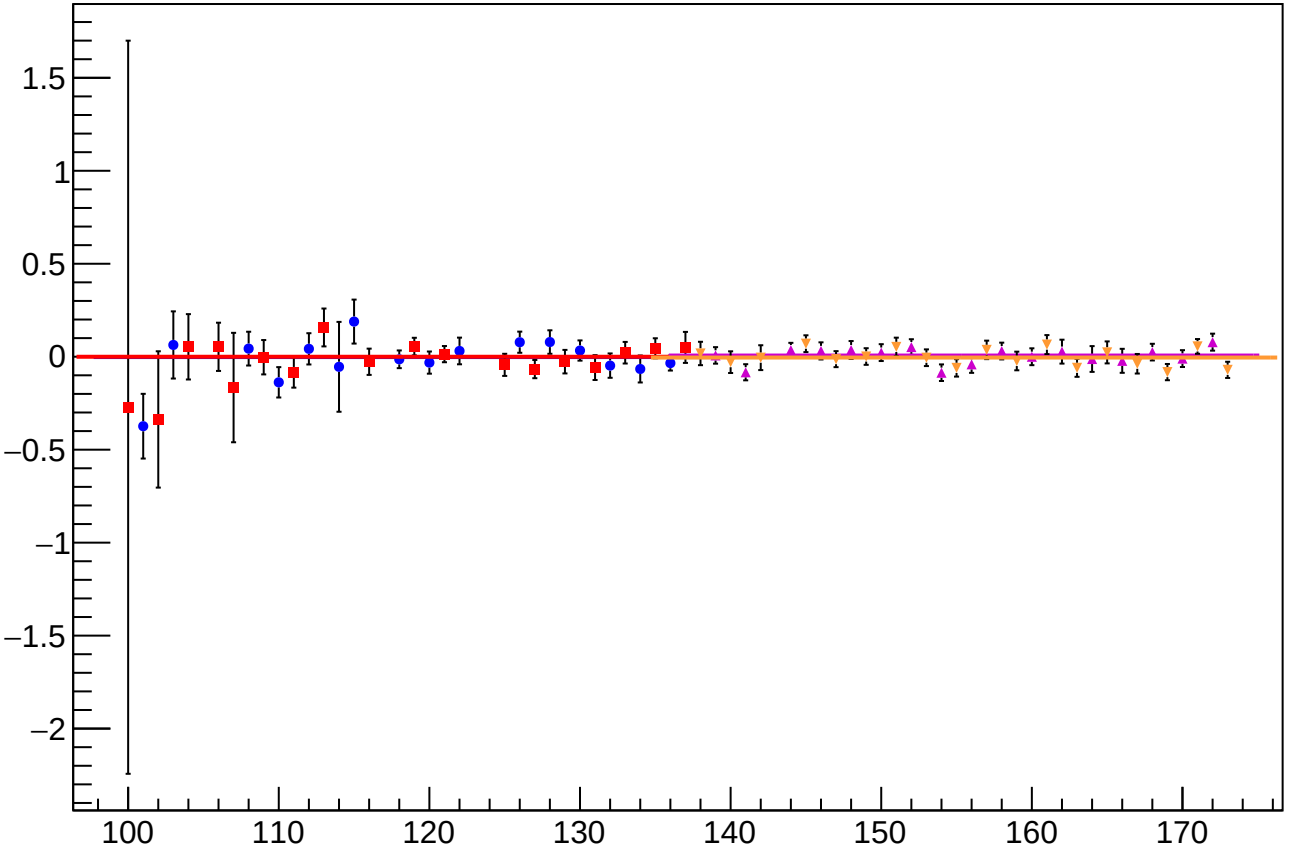
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.526+/-0.007 χ^2/NDF:1652753.8/32

Out: 38.901+/-0.007 χ^2/NDF:2242901.3/35

All: 39.213+/-0.005 χ^2/NDF: 3900032.6/68

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.004+/-0.011 χ^2/NDF:18.2/17

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.006+/-0.011 χ^2/NDF:15.6/16

Left: 0.001+/-0.008 χ^2/NDF: 34.3/34

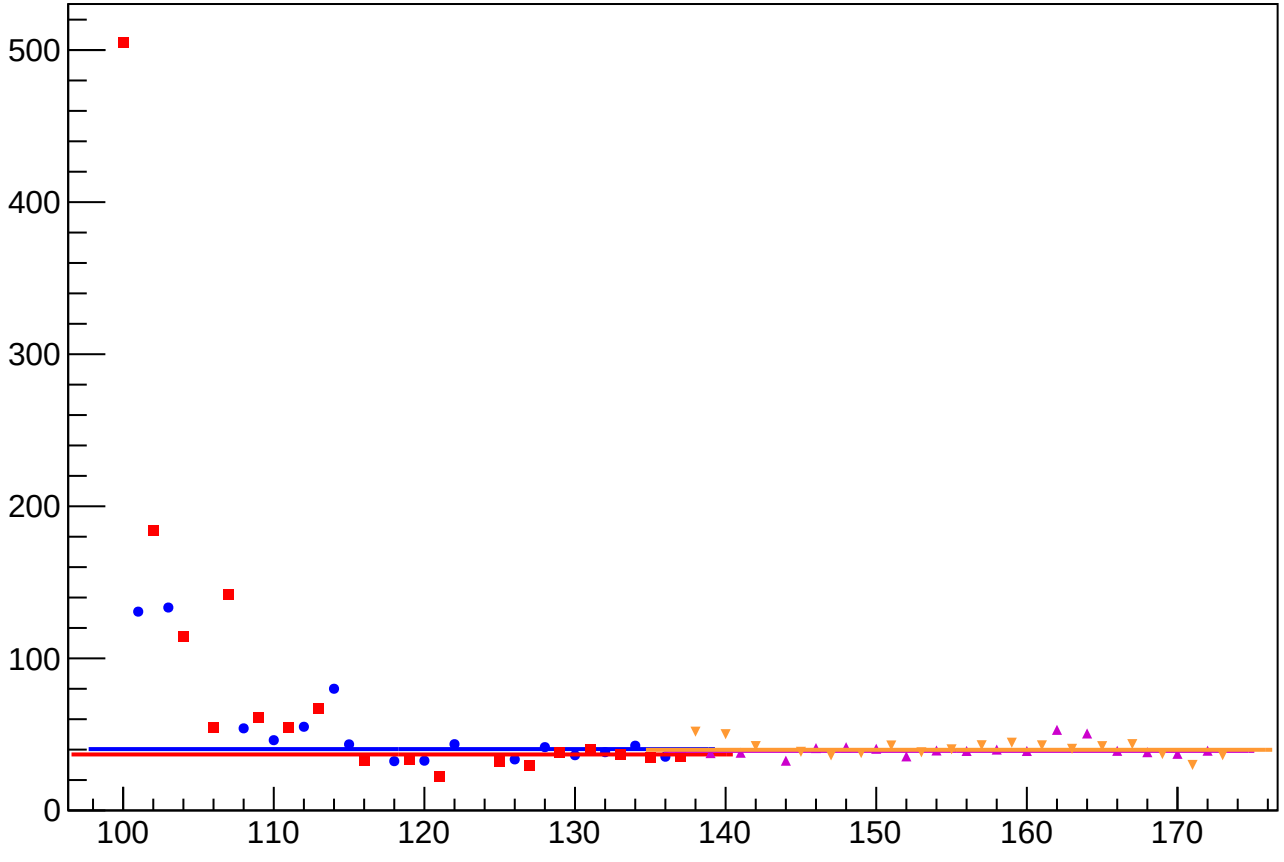
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.004+/-0.009 χ^2/NDF:32.9/32

Out: -0.003+/-0.009 χ^2/NDF:29.2/35

All: 0.000+/-0.007 χ^2/NDF: 62.4/68

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: 39.884+/-0.008 χ^2/NDF:360007.8/17

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.162+/-0.008 χ^2/NDF:235976.9/16

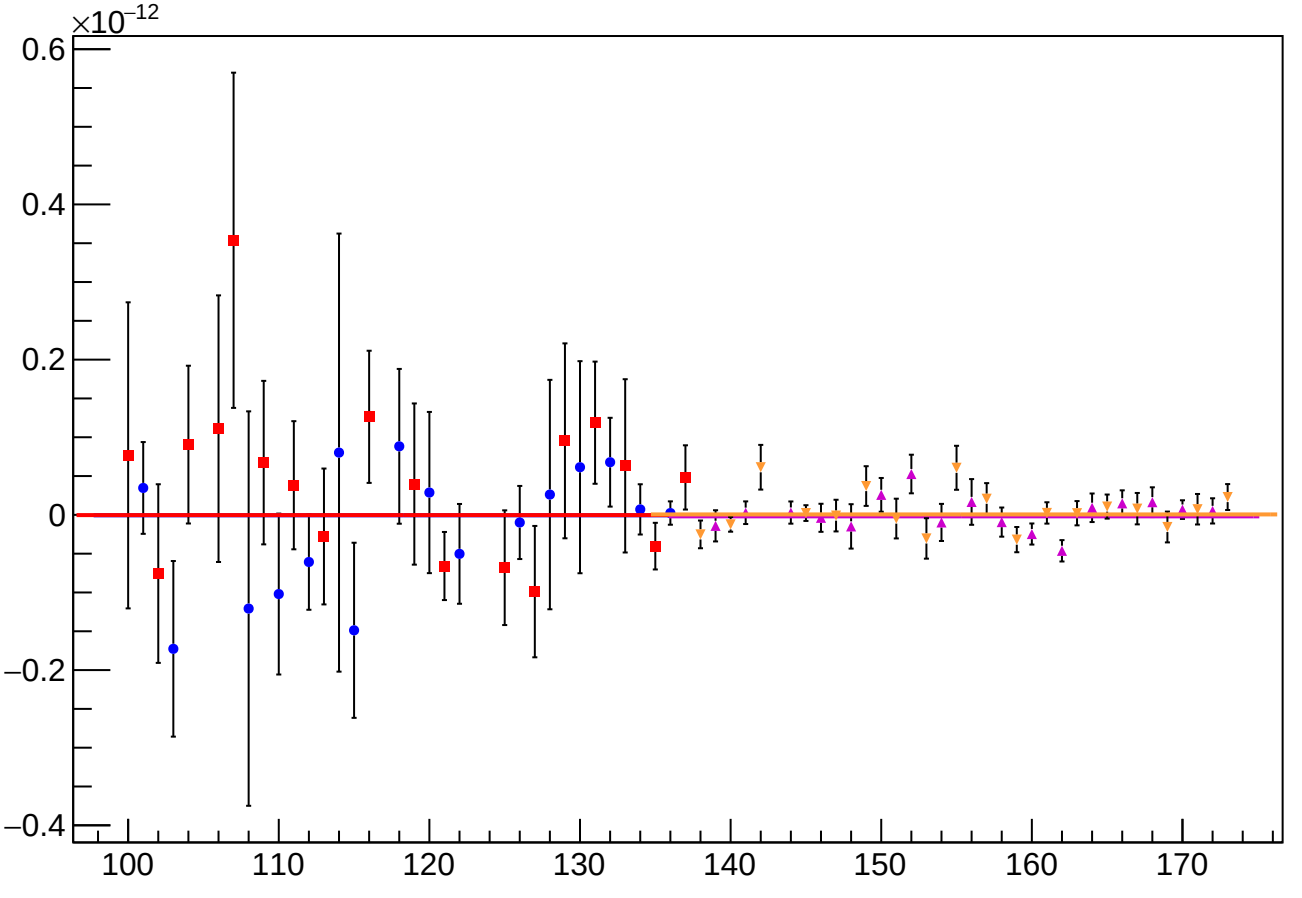
Left: 39.519+/-0.006 χ^2/NDF: 599997.7/34

Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.526+/-0.007 χ^2/NDF:1652753.8/32

Out: 38.901+/-0.007 χ^2/NDF:2242901.3/35

All: 39.213+/-0.005 χ^2/NDF: 3900032.6/68



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/17

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: -0.000+/-0.000 χ^2/NDF:24.1/16

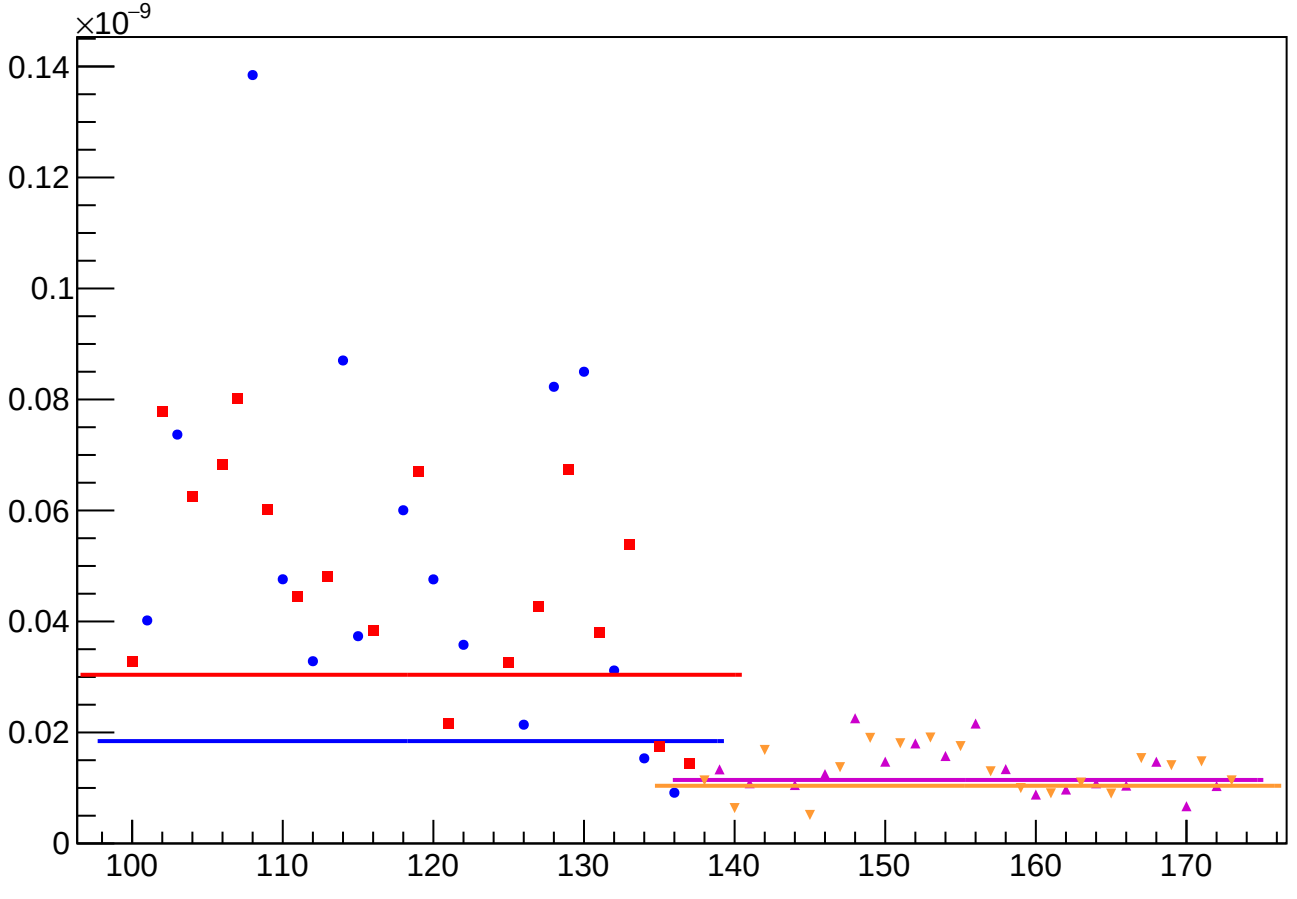
Left: -0.000+/-0.000 χ^2/NDF: 48.8/34

Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

In: -0.000+/-0.000 χ^2/NDF:34.0/32

Out: 0.000+/-0.000 χ^2/NDF:42.9/35

All: -0.000+/-0.000 χ^2/NDF: 77.1/68



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2185682.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1344879.2/16

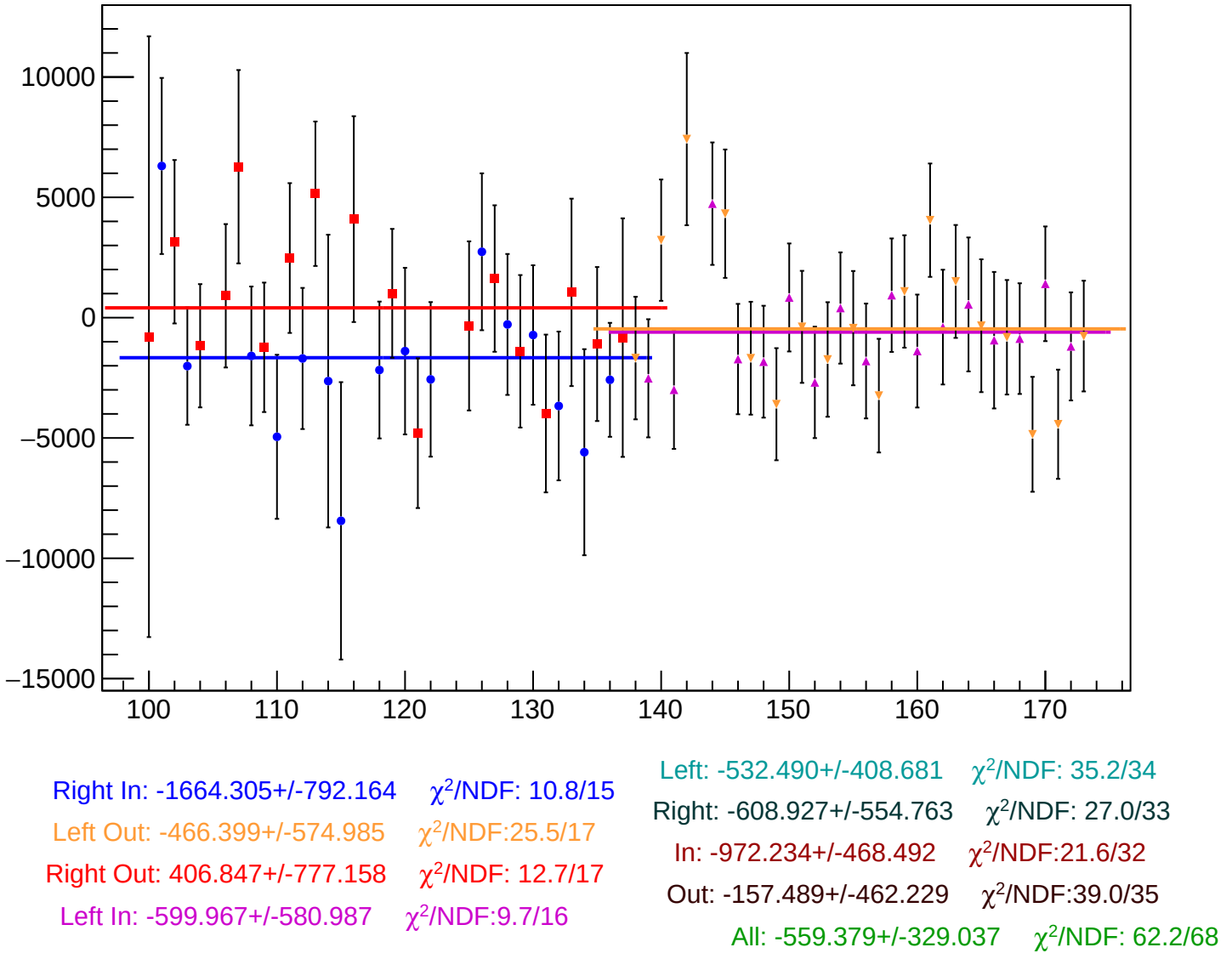
Left: 0.000+/-0.000 χ^2/NDF: 3596728.8/34

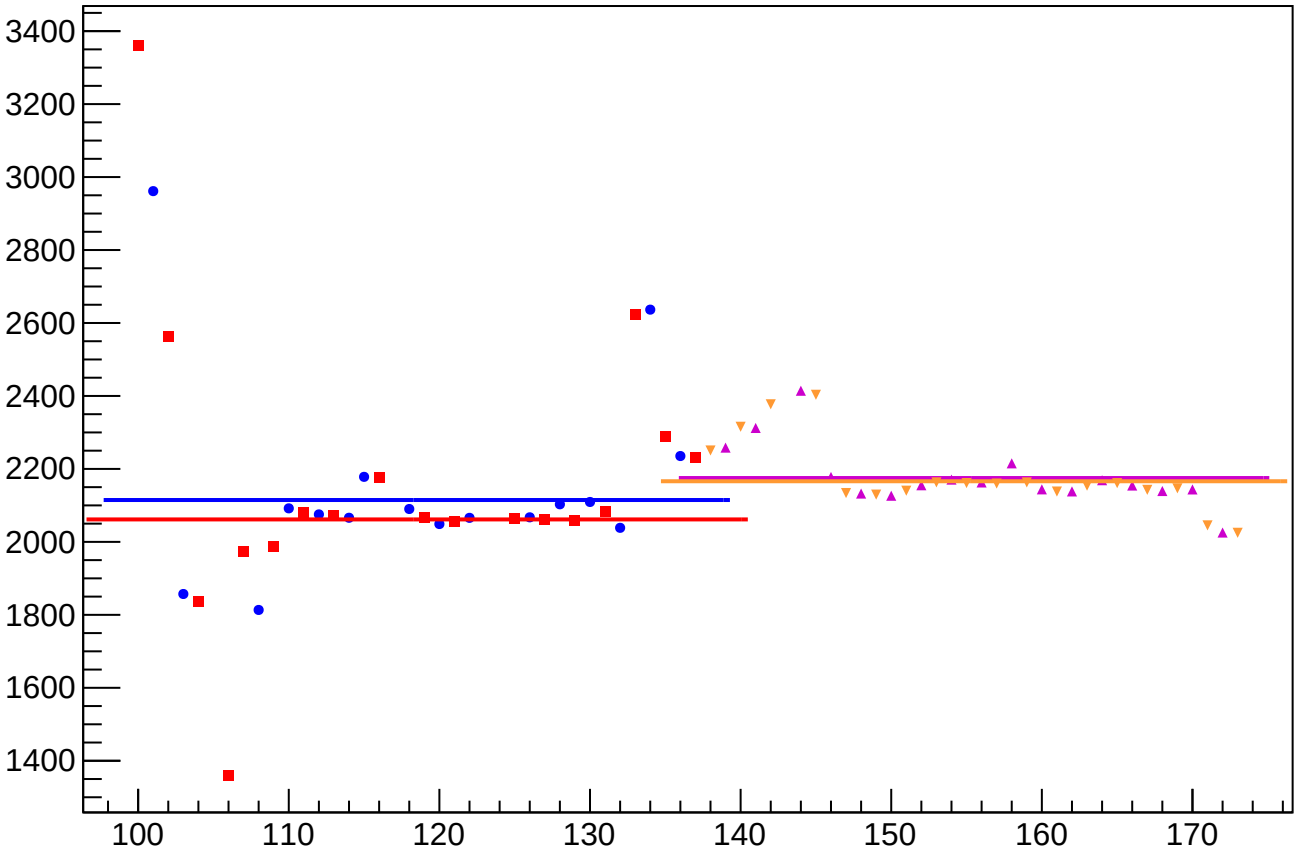
Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:6015920.9/32

Out: 0.000+/-0.000 χ^2/NDF:7364493.3/35

All: 0.000+/-0.000 χ^2/NDF: 13420838.7/68


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
170
Right In: -1664.305+/-792.164 χ²/NDF: 10.8/15
Left Out: -466.399+/-574.985 χ²/NDF:25.5/17
Right Out: 406.847+/-777.158 χ²/NDF: 12.7/17
Left In: -599.967+/-580.987 χ²/NDF:9.7/16
Left: -532.490+/-408.681 χ²/NDF: 35.2/34
Right: -608.927+/-554.763 χ²/NDF: 27.0/33
In: -972.234+/-468.492 χ²/NDF:21.6/32
Out: -157.489+/-462.229 χ²/NDF:39.0/35
All: -559.379+/-329.037 χ²/NDF: 62.2/68



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2166.207+/-0.407 χ^2/NDF:46983.7/17

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2175.010+/-0.411 χ^2/NDF:39238.9/16

Left: 2170.563+/-0.289 χ^2/NDF: 86454.6/34

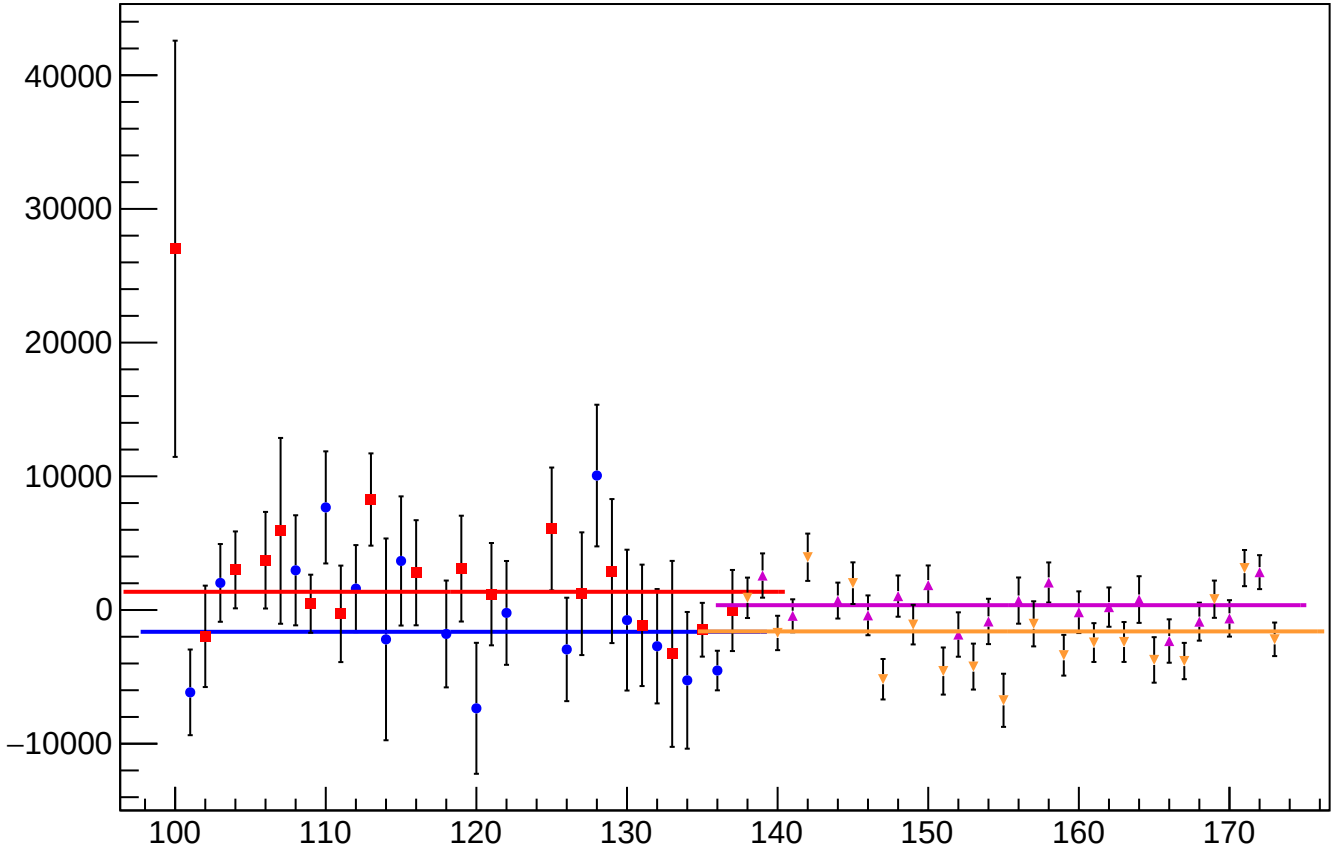
Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2153.935+/-0.331 χ^2/NDF:236683.7/32

Out: 2129.188+/-0.327 χ^2/NDF:319605.7/35

All: 2141.395+/-0.233 χ^2/NDF: 559117.1/68

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: -1600.041+/-356.425 χ^2/NDF:57.4/17

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 360.467+/-361.887 χ^2/NDF:15.3/16

Left: -634.694+/-253.940 χ^2/NDF: 87.6/34

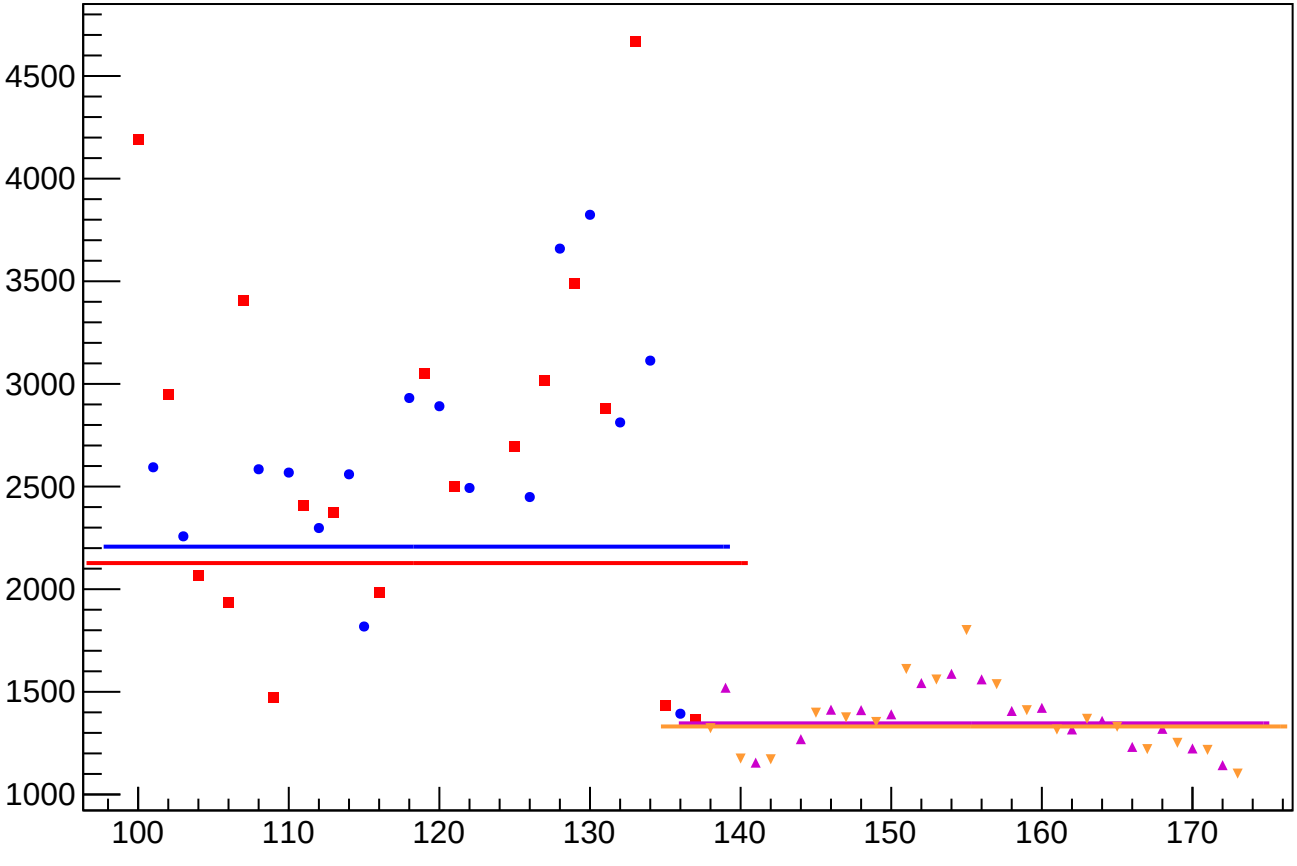
Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: 62.387+/-333.699 χ^2/NDF:42.7/32

Out: -1148.516+/-328.135 χ^2/NDF:81.4/35

All: -553.244+/-233.969 χ^2/NDF: 130.8/68

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: 1331.299+/-0.252 χ^2/NDF:387129.1/17

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1346.381+/-0.256 χ^2/NDF:272282.6/16

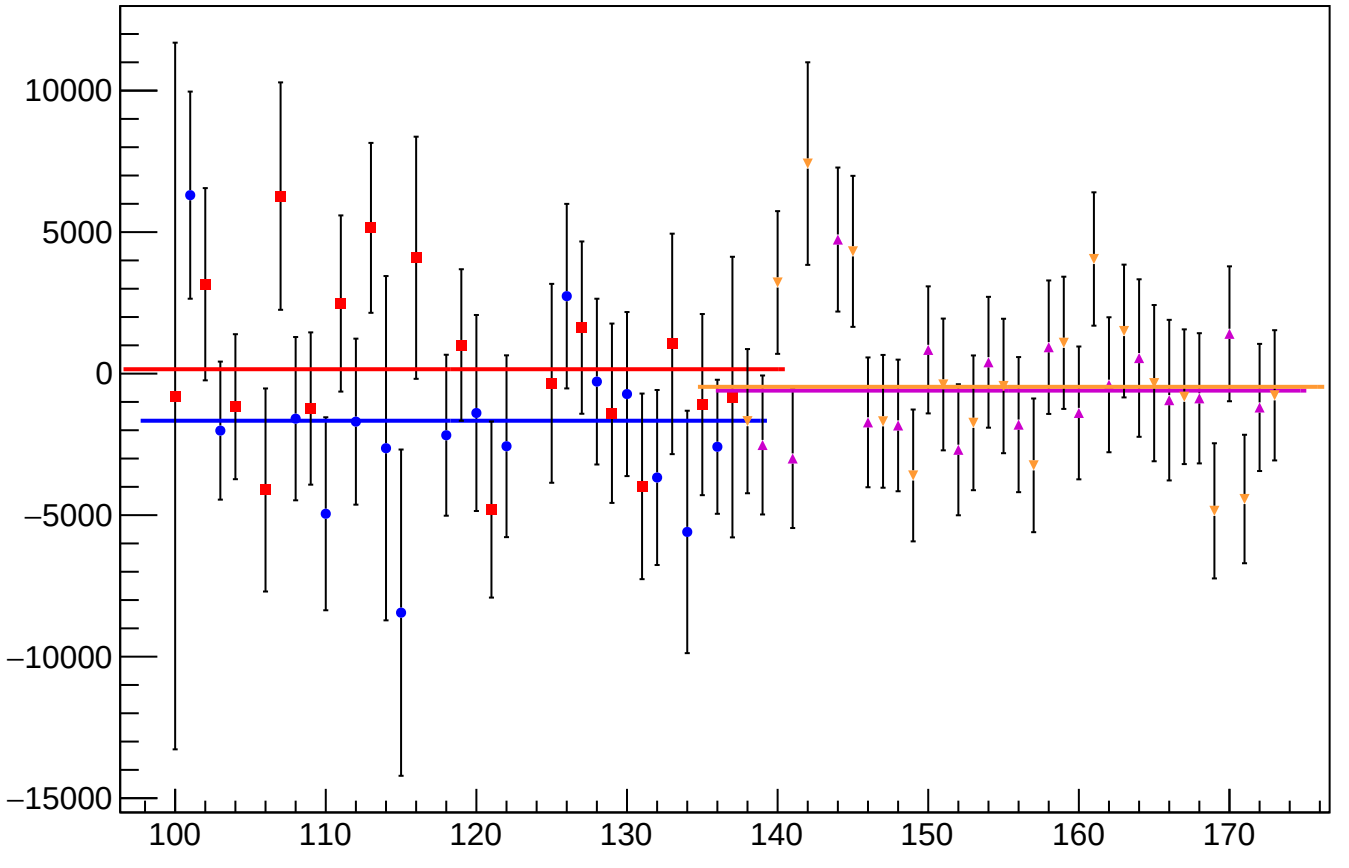
Left: 1338.725+/-0.180 χ^2/NDF: 661175.0/34

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1475.269+/-0.236 χ^2/NDF:3216028.8/32

Out: 1452.634+/-0.232 χ^2/NDF:3365556.7/35

All: 1463.761+/-0.165 χ^2/NDF: 6586264.0/68



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -466.249+/-574.985 χ^2/NDF:25.5/17

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -599.830+/-580.987 χ^2/NDF:9.7/16

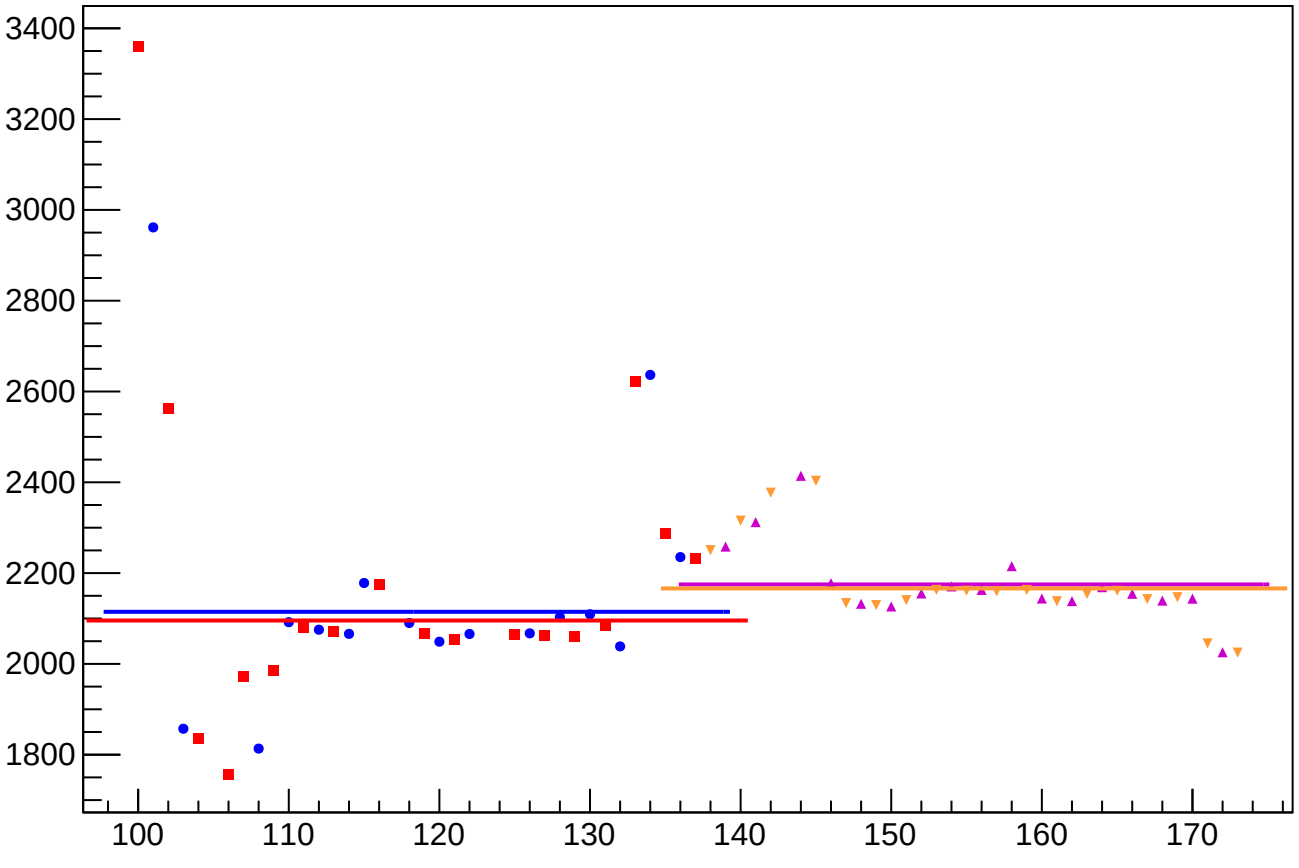
Left: -532.346+/-408.681 χ^2/NDF: 35.2/34

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -972.118+/-468.492 χ^2/NDF:21.6/32

Out: -249.229+/-463.962 χ^2/NDF:40.1/35

All: -607.162+/-329.661 χ^2/NDF: 62.9/68



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2166.207+/-0.407 χ^2/NDF:46983.7/17

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2175.010+/-0.411 χ^2/NDF:39238.9/16

Left: 2170.563+/-0.289 χ^2/NDF: 86454.6/34

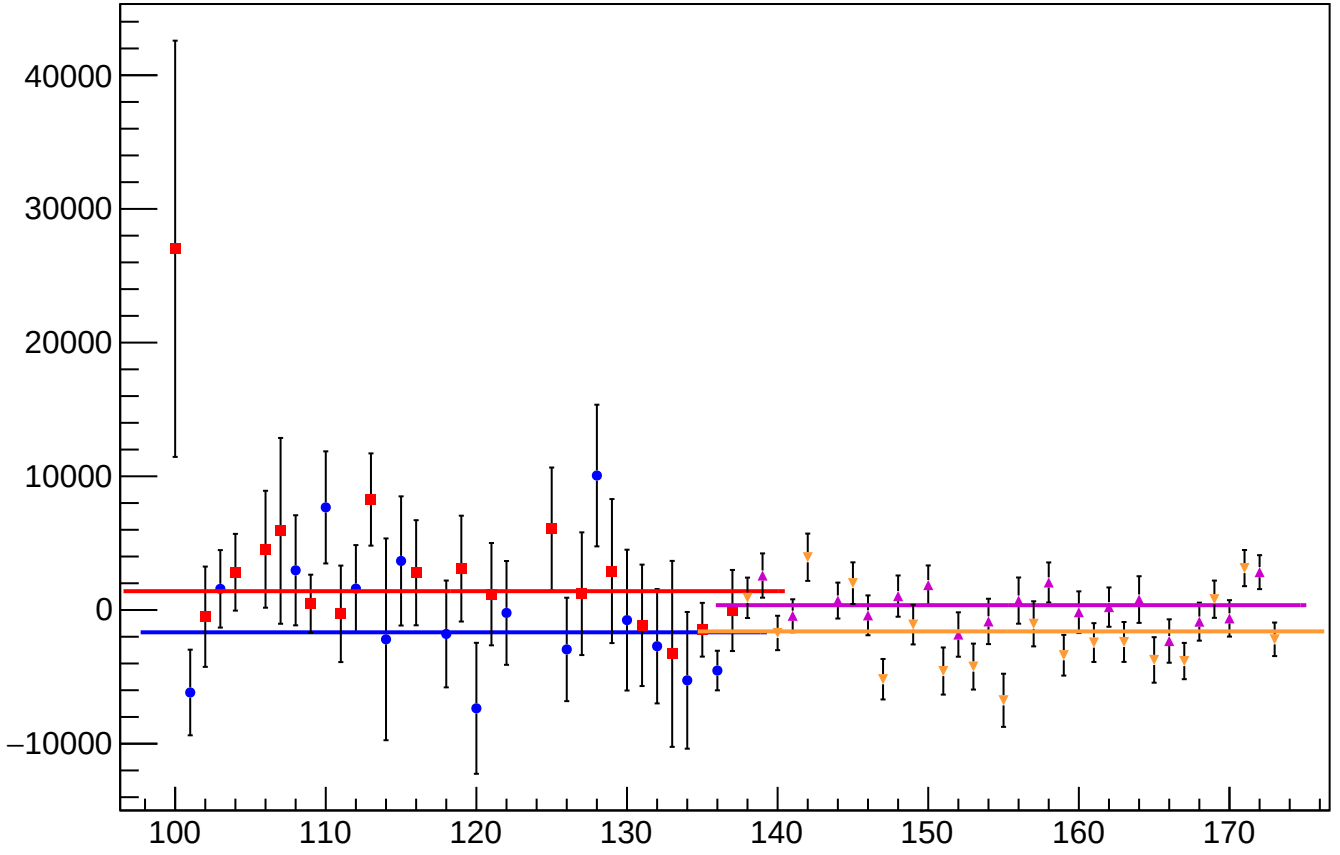
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2153.935+/-0.331 χ^2/NDF:236684.0/32

Out: 2141.572+/-0.328 χ^2/NDF:206867.5/35

All: 2147.693+/-0.233 χ^2/NDF: 444254.7/68

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: -1600.069+/-356.427 χ^2/NDF:57.4/17

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 360.348+/-361.887 χ^2/NDF:15.3/16

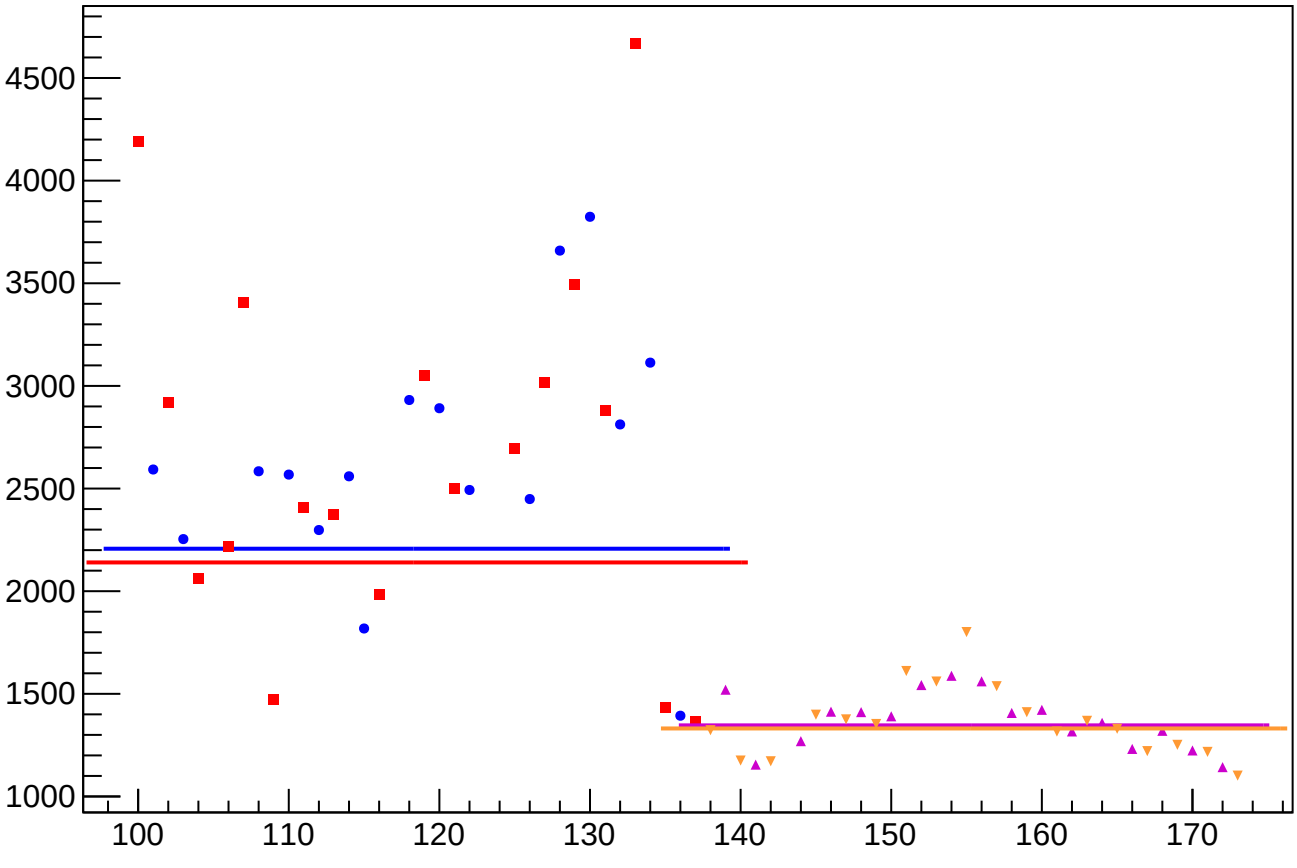
Left: -634.759+/-253.940 χ^2/NDF: 87.6/34

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 56.421+/-333.682 χ^2/NDF:42.5/32

Out: -1147.595+/-328.528 χ^2/NDF:81.0/35

All: -554.956+/-234.105 χ^2/NDF: 130.2/68



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1331.309+/-0.252 χ^2/NDF:387077.9/17

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1346.378+/-0.256 χ^2/NDF:272328.1/16

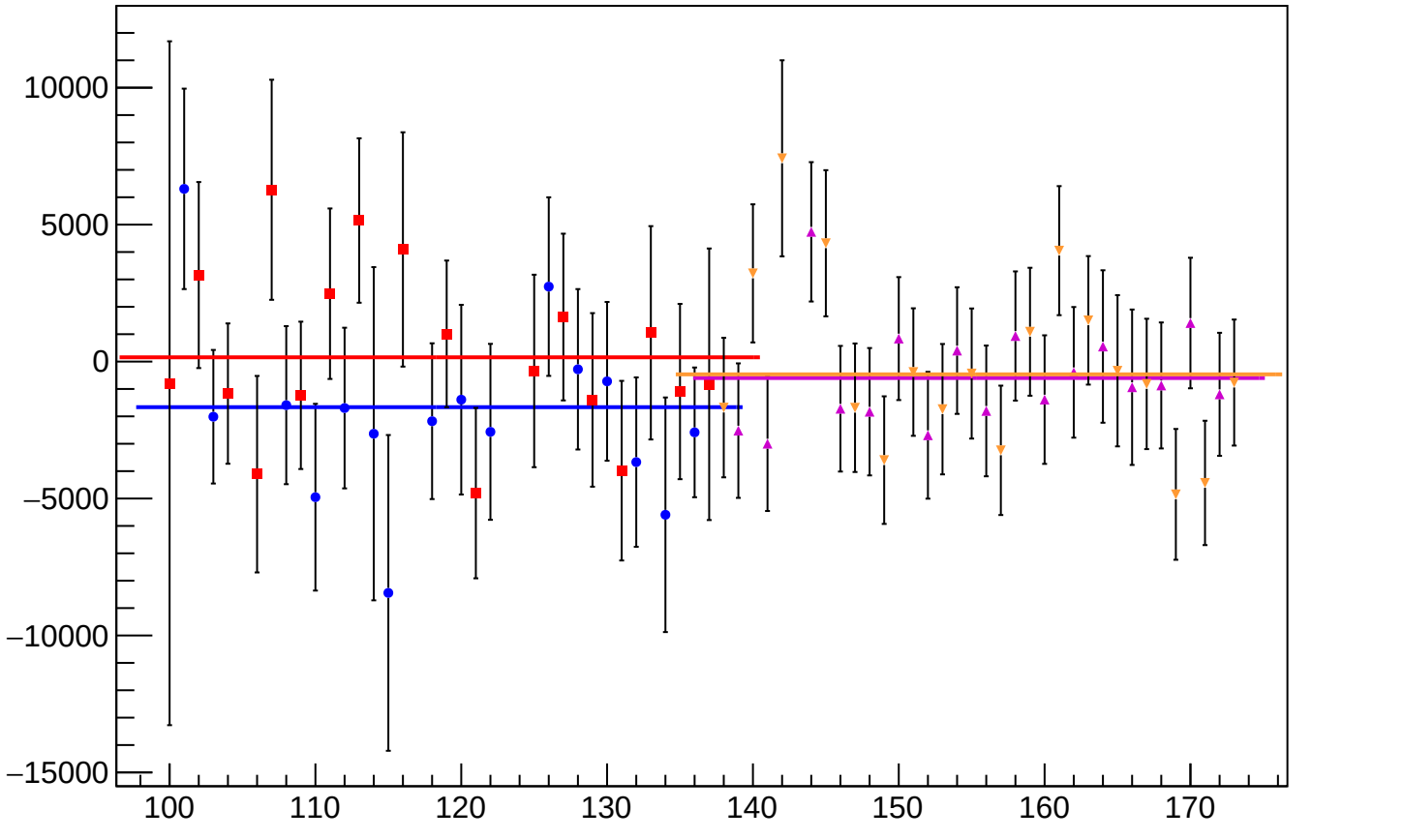
Left: 1338.729+/-0.180 χ^2/NDF: 661166.3/34

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1475.290+/-0.236 χ^2/NDF:3215493.4/32

Out: 1452.962+/-0.232 χ^2/NDF:3384354.7/35

All: 1463.953+/-0.166 χ^2/NDF: 6604395.3/68



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -466.249+/-574.985 χ^2/NDF:25.5/17

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -599.830+/-580.987 χ^2/NDF:9.7/16

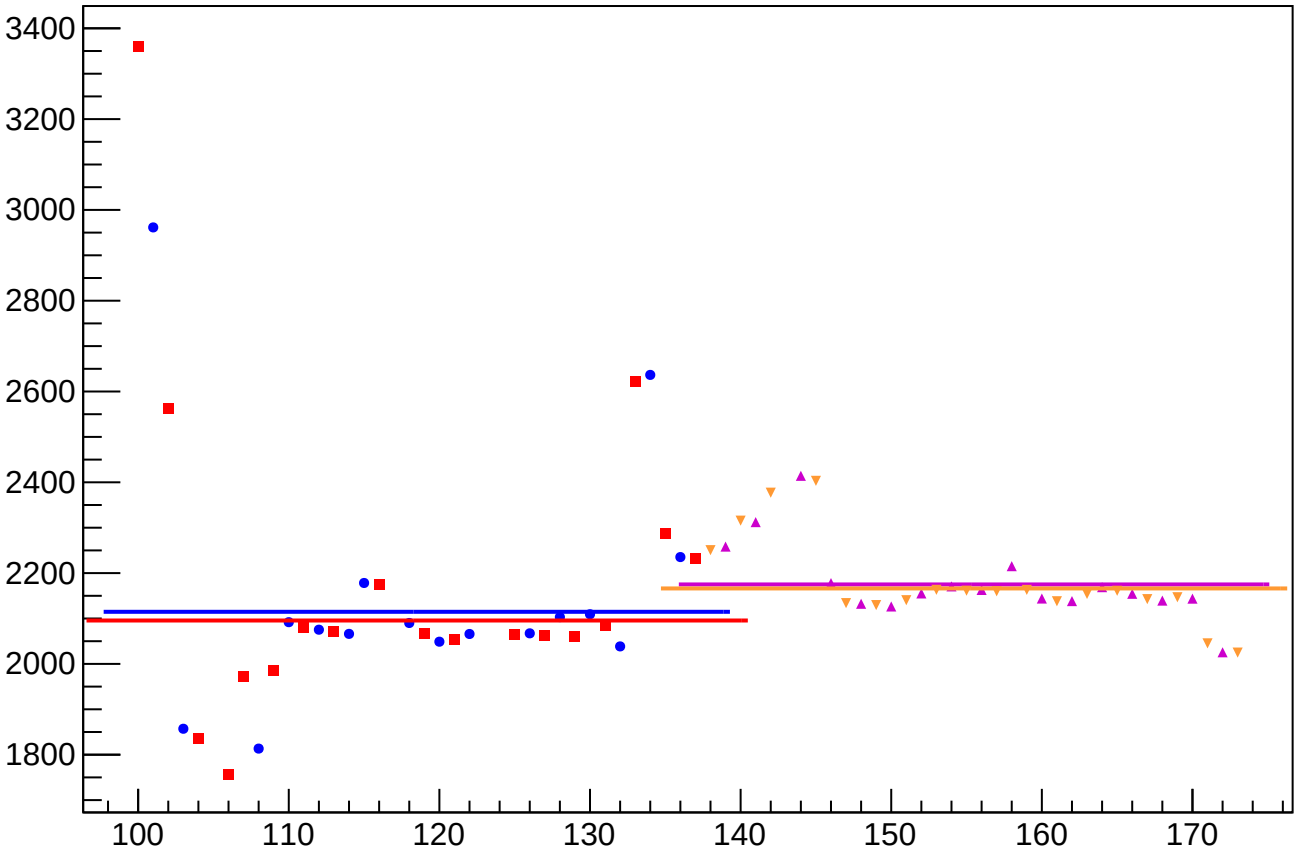
Left: -532.346+/-408.681 χ^2/NDF: 35.2/34

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -972.118+/-468.492 χ^2/NDF:21.6/32

Out: -249.229+/-463.962 χ^2/NDF:40.1/35

All: -607.162+/-329.661 χ^2/NDF: 62.9/68



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2166.207+/-0.407 χ^2/NDF:46983.7/17

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2175.010+/-0.411 χ^2/NDF:39238.9/16

Left: 2170.563+/-0.289 χ^2/NDF: 86454.6/34

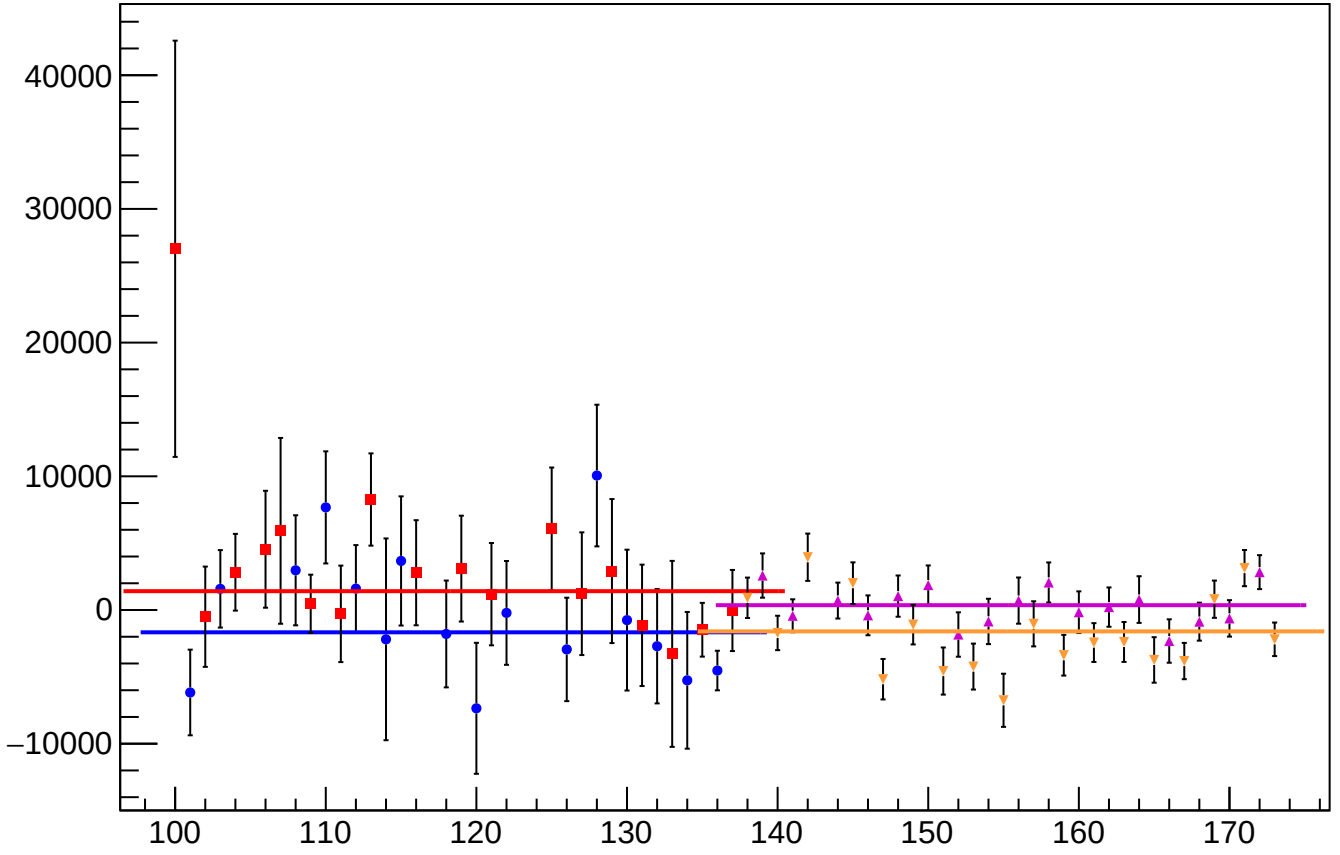
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2153.935+/-0.331 χ^2/NDF:236684.0/32

Out: 2141.572+/-0.328 χ^2/NDF:206867.5/35

All: 2147.693+/-0.233 χ^2/NDF: 444254.7/68

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: -1600.069+/-356.427 χ^2/NDF:57.4/17

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 360.348+/-361.887 χ^2/NDF:15.3/16

Left: -634.759+/-253.940 χ^2/NDF: 87.6/34

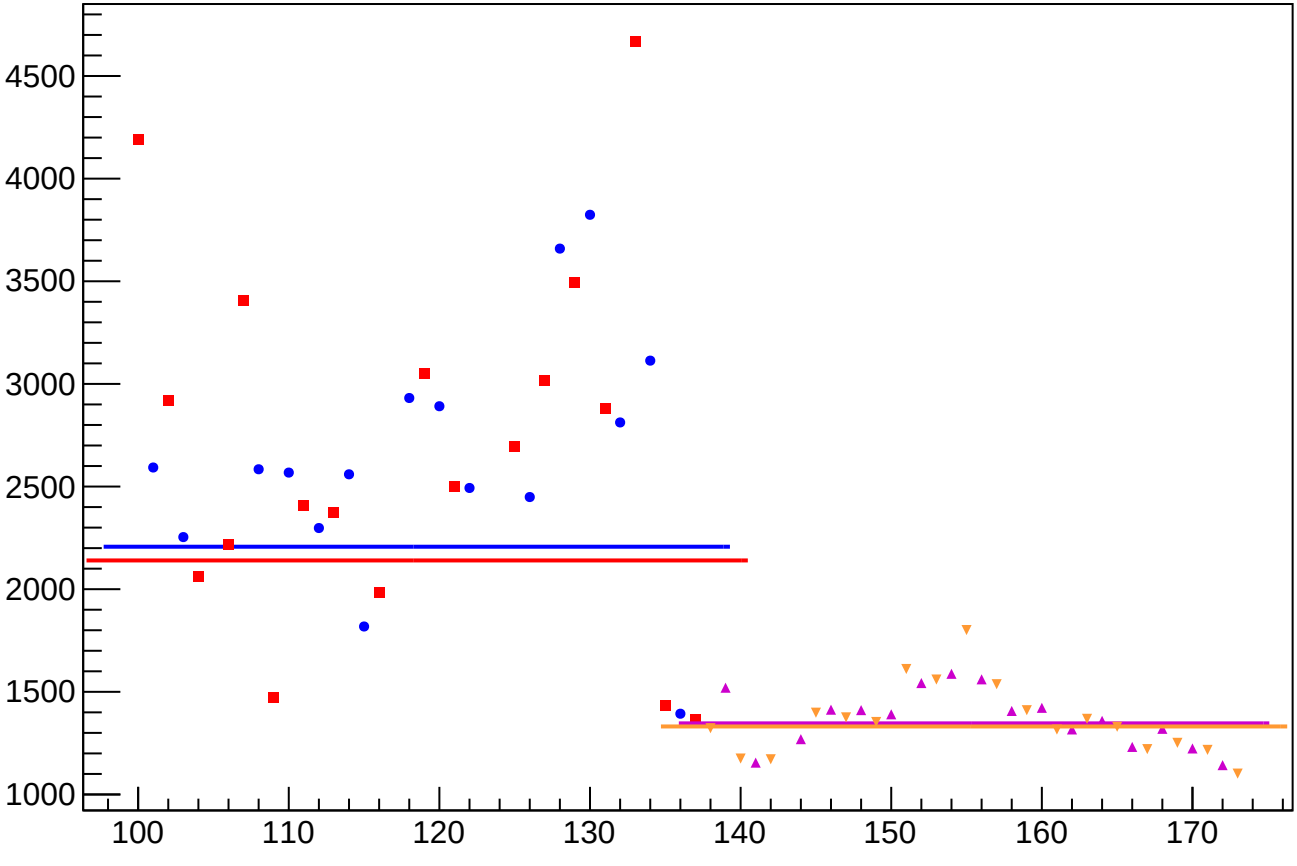
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 56.421+/-333.682 χ^2/NDF:42.5/32

Out: -1147.595+/-328.528 χ^2/NDF:81.0/35

All: -554.956+/-234.105 χ^2/NDF: 130.2/68

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: 1331.309+/-0.252 χ^2/NDF:387077.9/17

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1346.378+/-0.256 χ^2/NDF:272328.1/16

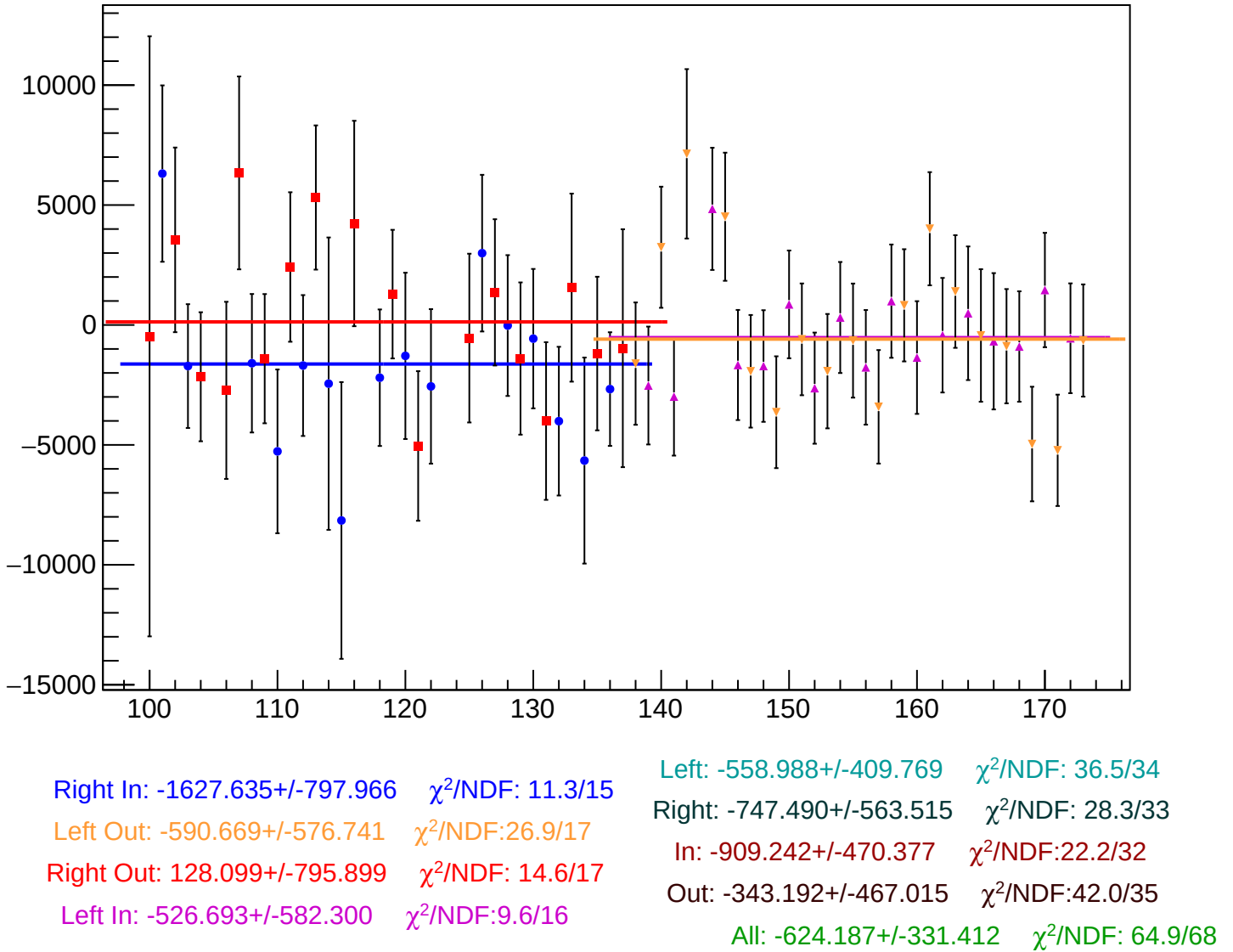
Left: 1338.729+/-0.180 χ^2/NDF: 661166.3/34

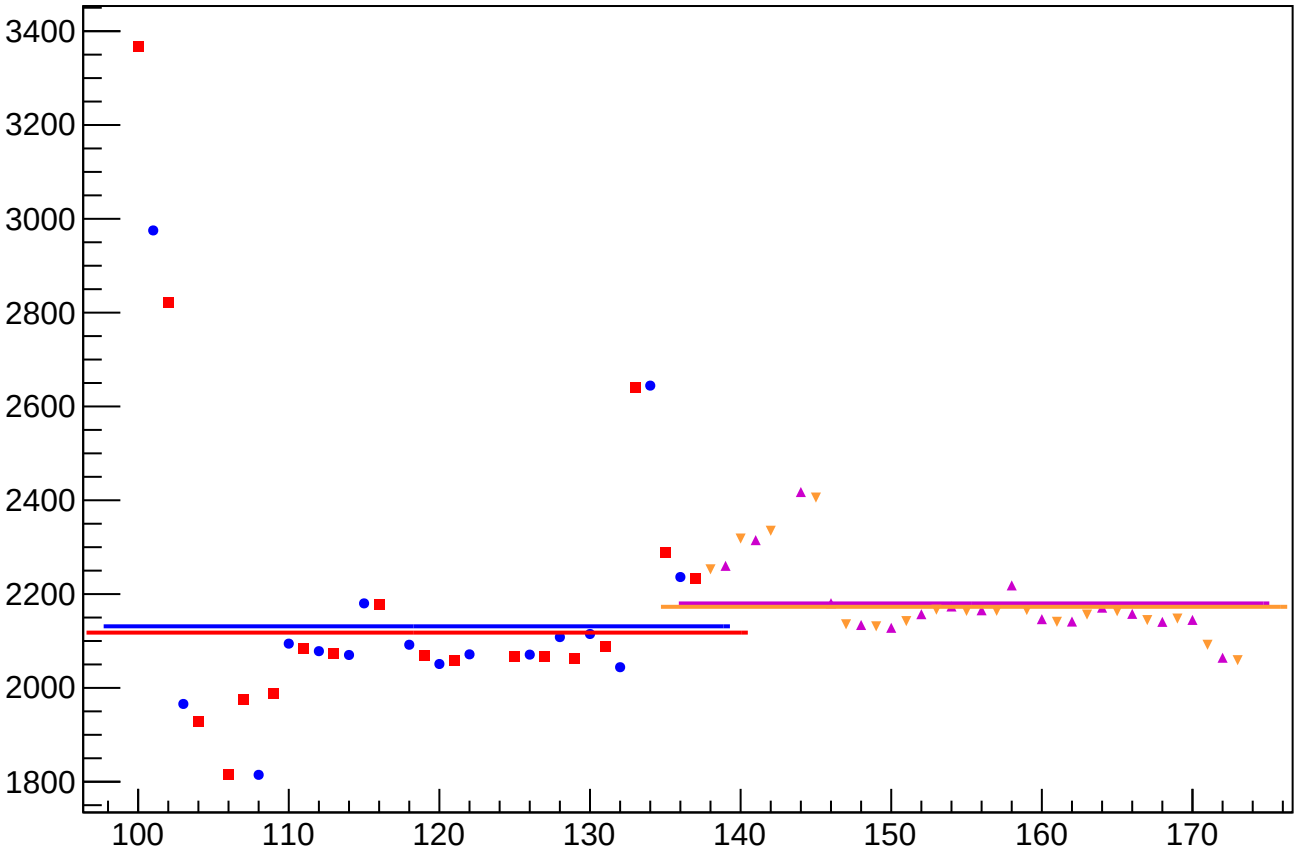
Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1475.290+/-0.236 χ^2/NDF:3215493.4/32

Out: 1452.962+/-0.232 χ^2/NDF:3384354.7/35

All: 1463.953+/-0.166 χ^2/NDF: 6604395.3/68


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
170
Right In: -1627.635+/-797.966 χ²/NDF: 11.3/15
Left Out: -590.669+/-576.741 χ²/NDF:26.9/17
Right Out: 128.099+/-795.899 χ²/NDF: 14.6/17
Left In: -526.693+/-582.300 χ²/NDF:9.6/16
Left: -558.988+/-409.769 χ²/NDF: 36.5/34
Right: -747.490+/-563.515 χ²/NDF: 28.3/33
In: -909.242+/-470.377 χ²/NDF:22.2/32
Out: -343.192+/-467.015 χ²/NDF:42.0/35
All: -624.187+/-331.412 χ²/NDF: 64.9/68



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2172.884+/-0.408 χ^2/NDF:37754.1/17

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2180.073+/-0.412 χ^2/NDF:35384.1/16

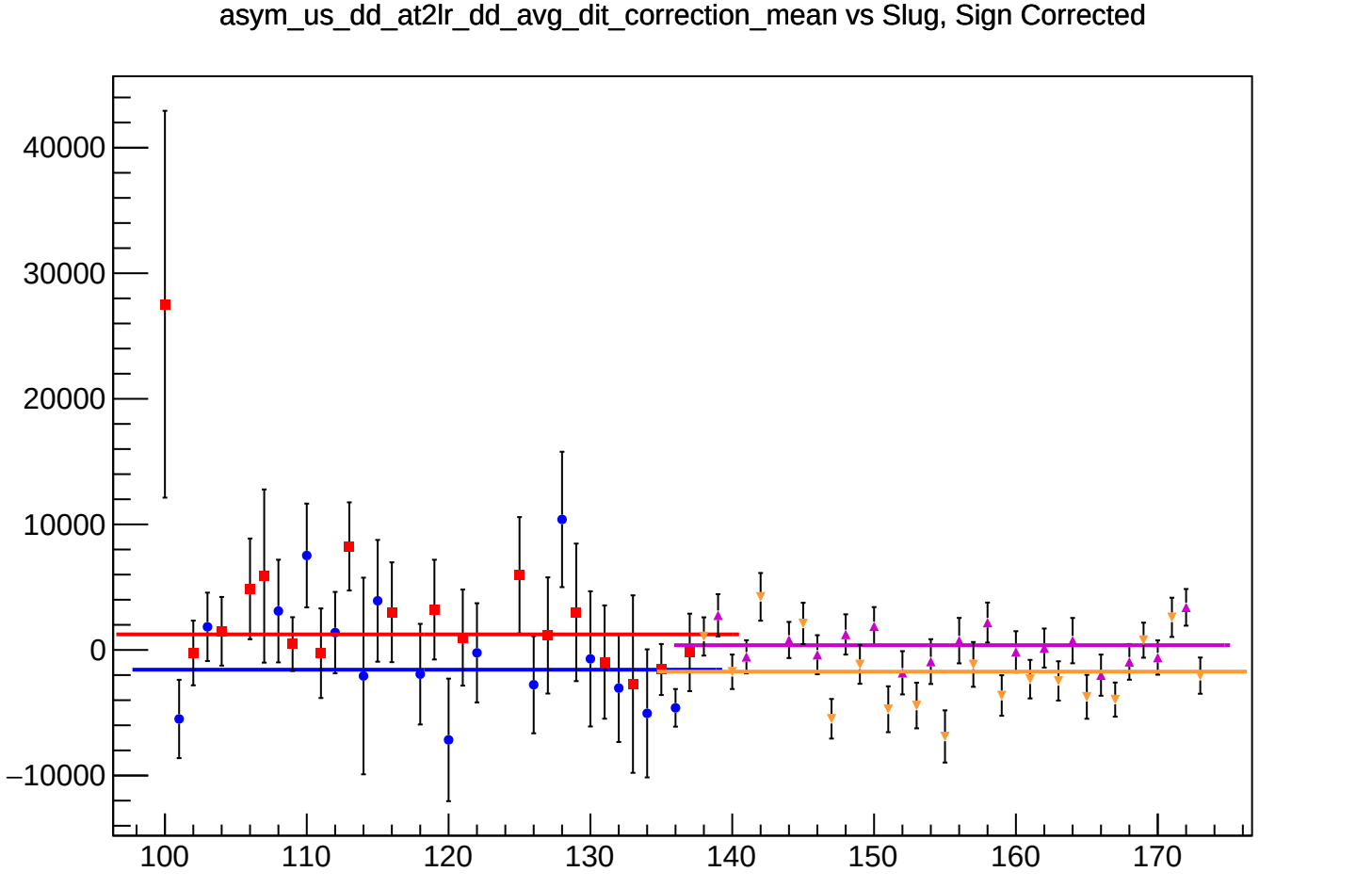
Left: 2176.444+/-0.290 χ^2/NDF: 73292.1/34

Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2163.125+/-0.333 χ^2/NDF:216203.2/32

Out: 2153.942+/-0.330 χ^2/NDF:207643.1/35

All: 2158.500+/-0.234 χ^2/NDF: 424230.2/68



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1723.398+/-376.190 χ^2/NDF:52.3/17

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 380.619+/-379.198 χ^2/NDF:15.5/16

Left: -679.768+/-267.064 χ^2/NDF: 83.3/34

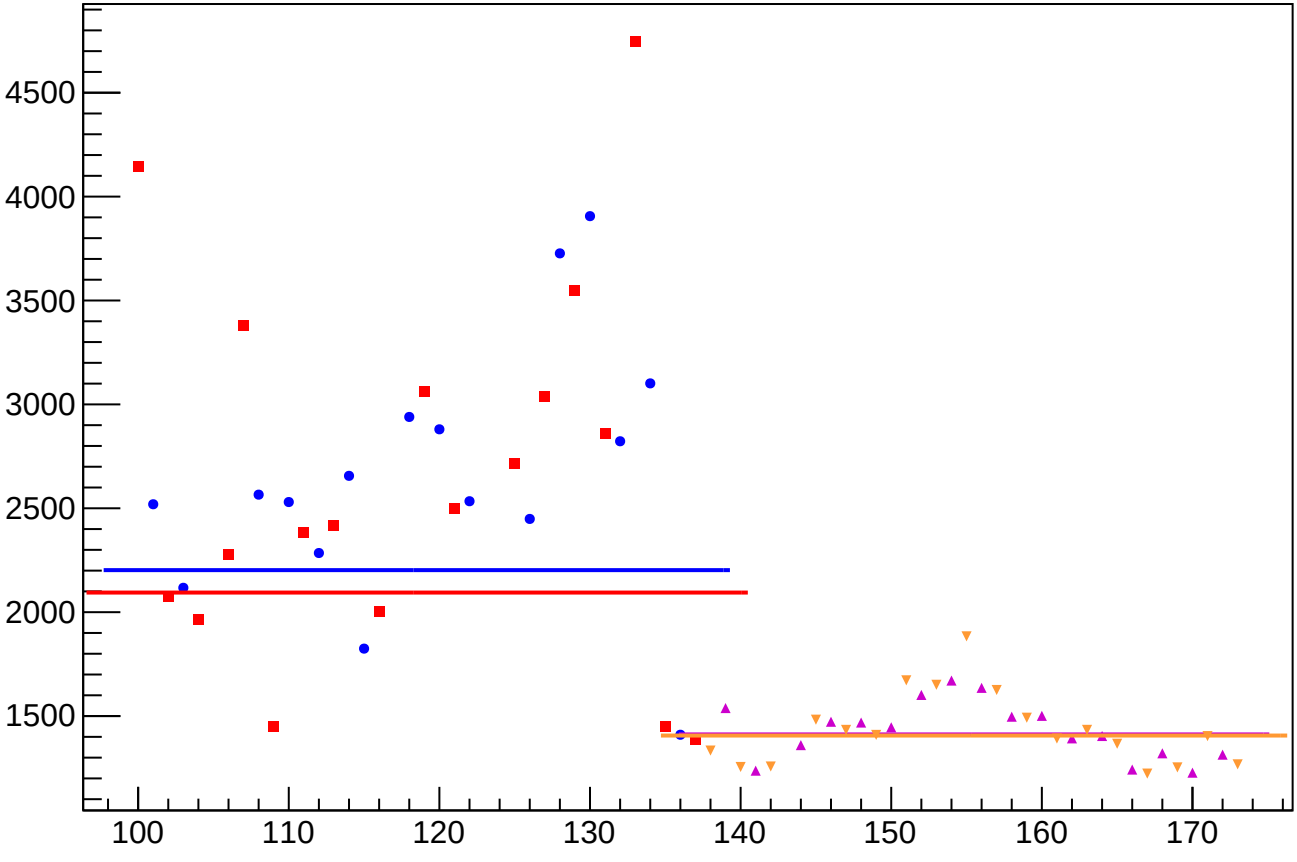
Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: 62.786+/-346.951 χ^2/NDF:42.4/32

Out: -1207.733+/-341.908 χ^2/NDF:76.1/35

All: -581.773+/-243.529 χ^2/NDF: 125.4/68

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1406.319+/-0.266 χ^2/NDF:346396.3/17

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1411.810+/-0.268 χ^2/NDF:239425.0/16

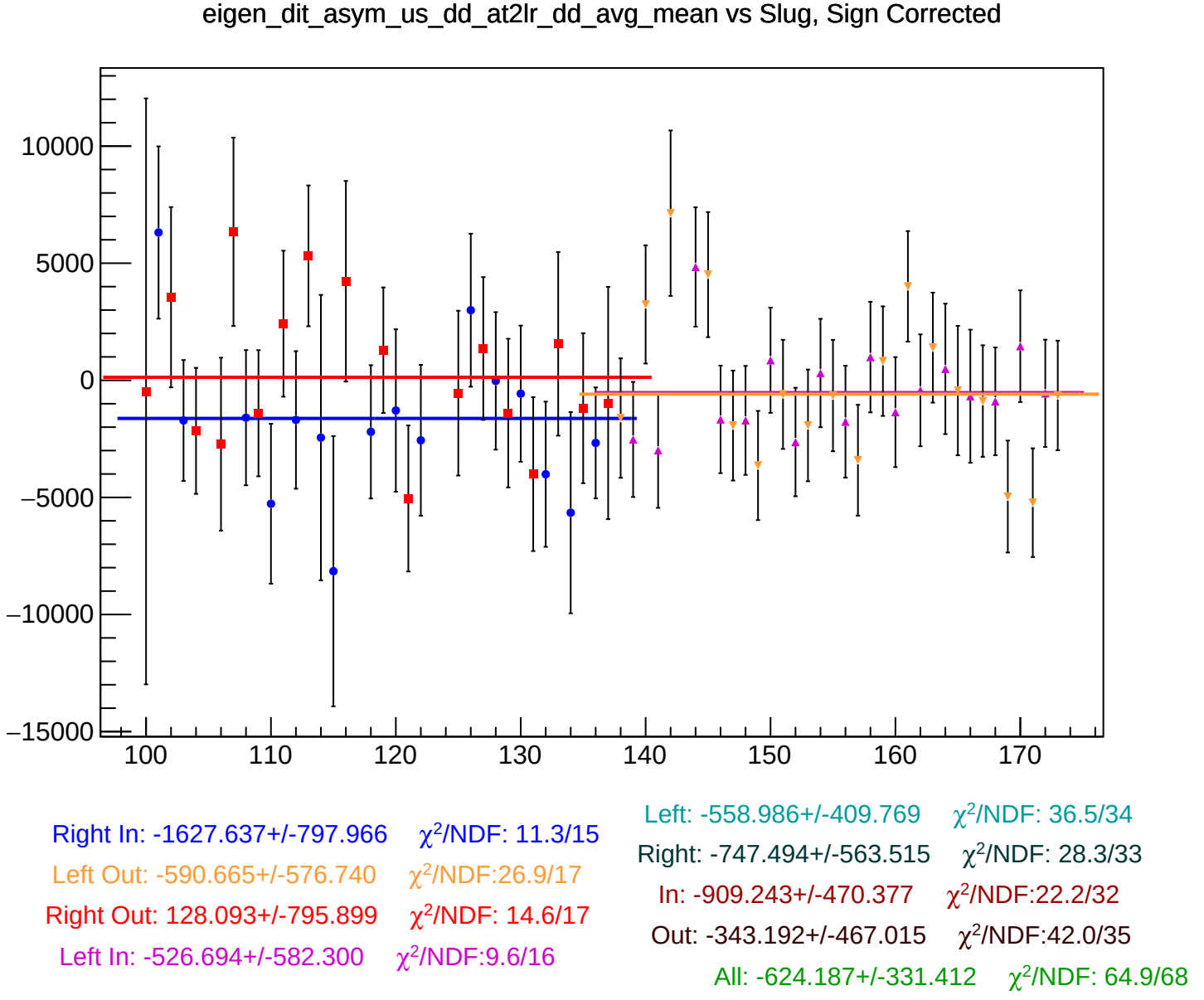
Left: 1409.043+/-0.189 χ^2/NDF: 586032.7/34

Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1540.554+/-0.245 χ^2/NDF:2878065.5/32

Out: 1526.020+/-0.242 χ^2/NDF:2884151.8/35

All: 1533.181+/-0.172 χ^2/NDF: 5763998.0/68


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
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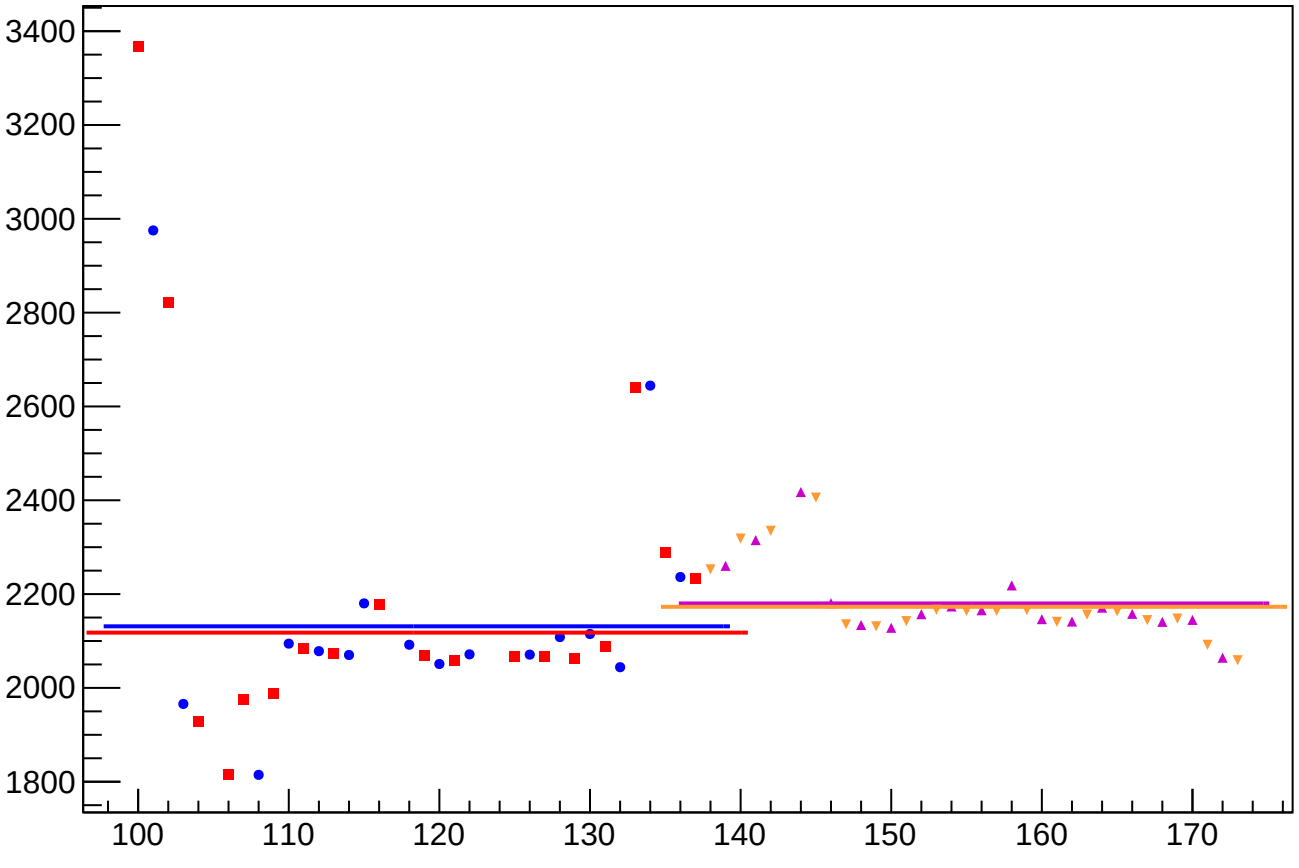
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -1627.637+/-797.966 χ²/NDF: 11.3/15
Left Out: -590.665+/-576.740 χ²/NDF:26.9/17
Right Out: 128.093+/-795.899 χ²/NDF: 14.6/17
Left In: -526.694+/-582.300 χ²/NDF:9.6/16
Left: -558.986+/-409.769 χ²/NDF: 36.5/34
Right: -747.494+/-563.515 χ²/NDF: 28.3/33
In: -909.243+/-470.377 χ²/NDF:22.2/32
Out: -343.192+/-467.015 χ²/NDF:42.0/35
All: -624.187+/-331.412 χ²/NDF: 64.9/68



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2172.884+/-0.408 χ^2/NDF:37754.3/17

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2180.073+/-0.412 χ^2/NDF:35384.3/16

Left: 2176.444+/-0.290 χ^2/NDF: 73292.5/34

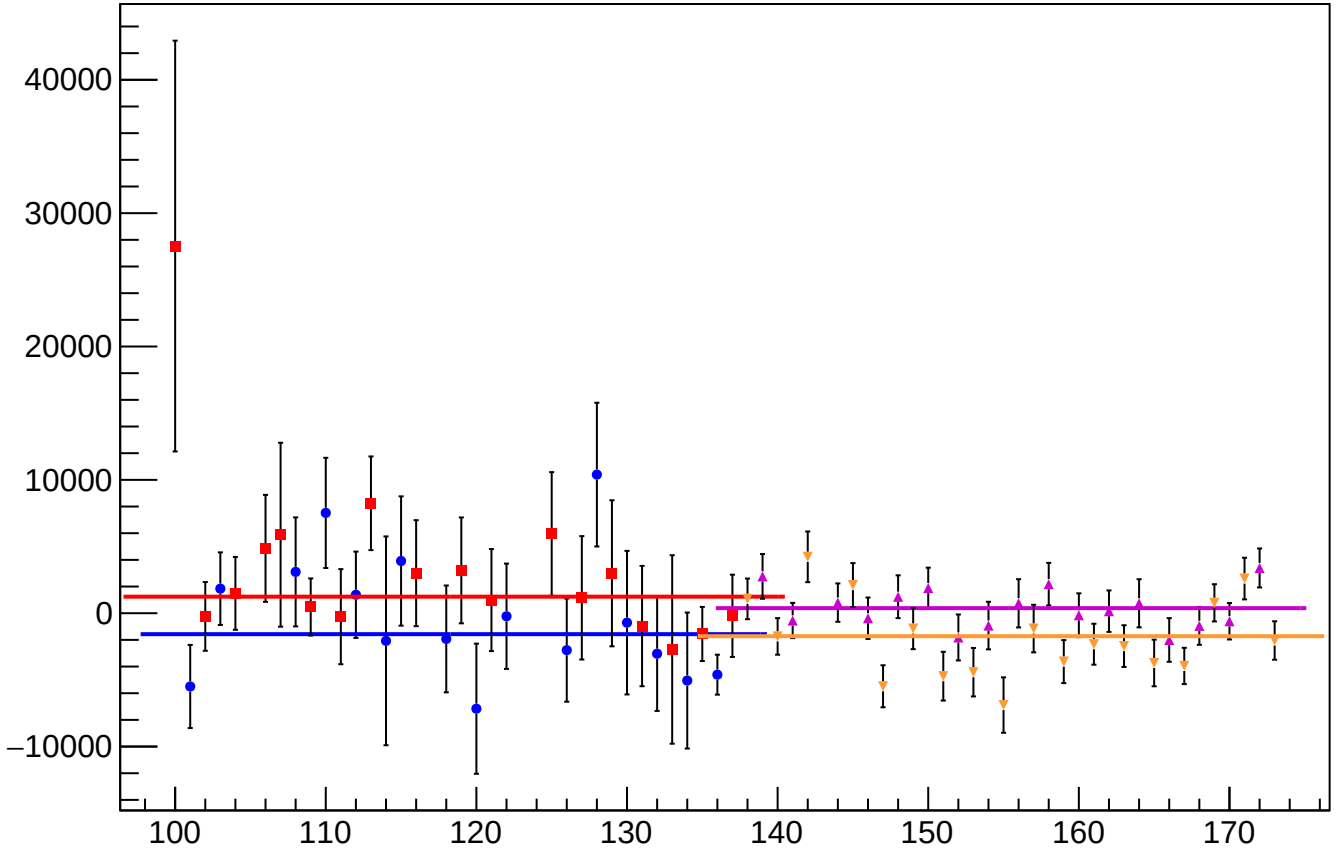
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2163.125+/-0.333 χ^2/NDF:216203.4/32

Out: 2153.941+/-0.330 χ^2/NDF:207643.2/35

All: 2158.500+/-0.234 χ^2/NDF: 424230.4/68

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: -1723.401+/-376.190 χ^2/NDF:52.3/17

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 380.615+/-379.198 χ^2/NDF:15.5/16

Left: -679.771+/-267.064 χ^2/NDF: 83.3/34

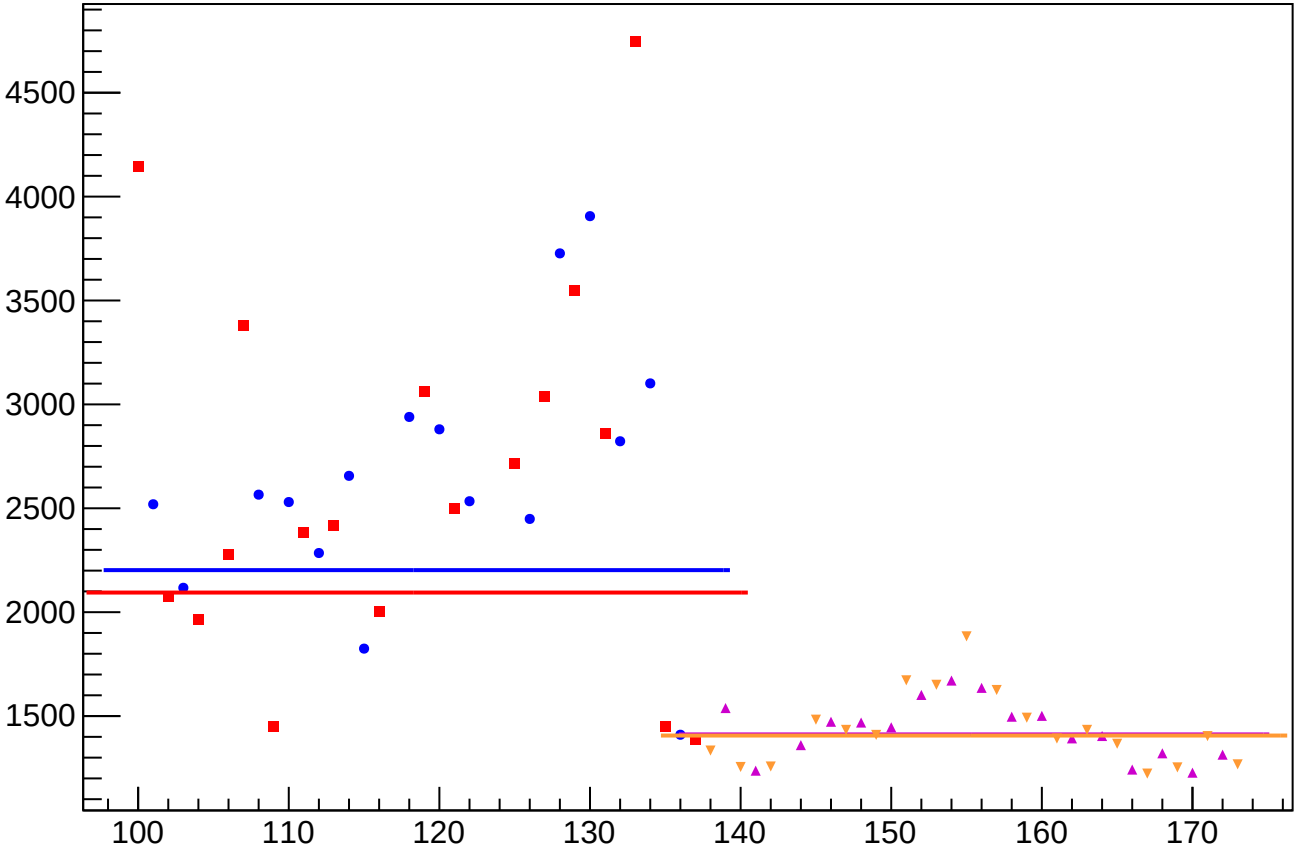
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: 62.787+/-346.951 χ^2/NDF:42.4/32

Out: -1207.737+/-341.909 χ^2/NDF:76.1/35

All: -581.774+/-243.529 χ^2/NDF: 125.4/68

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: 1406.319+/-0.266 χ^2/NDF:346391.2/17

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1411.809+/-0.268 χ^2/NDF:239431.2/16

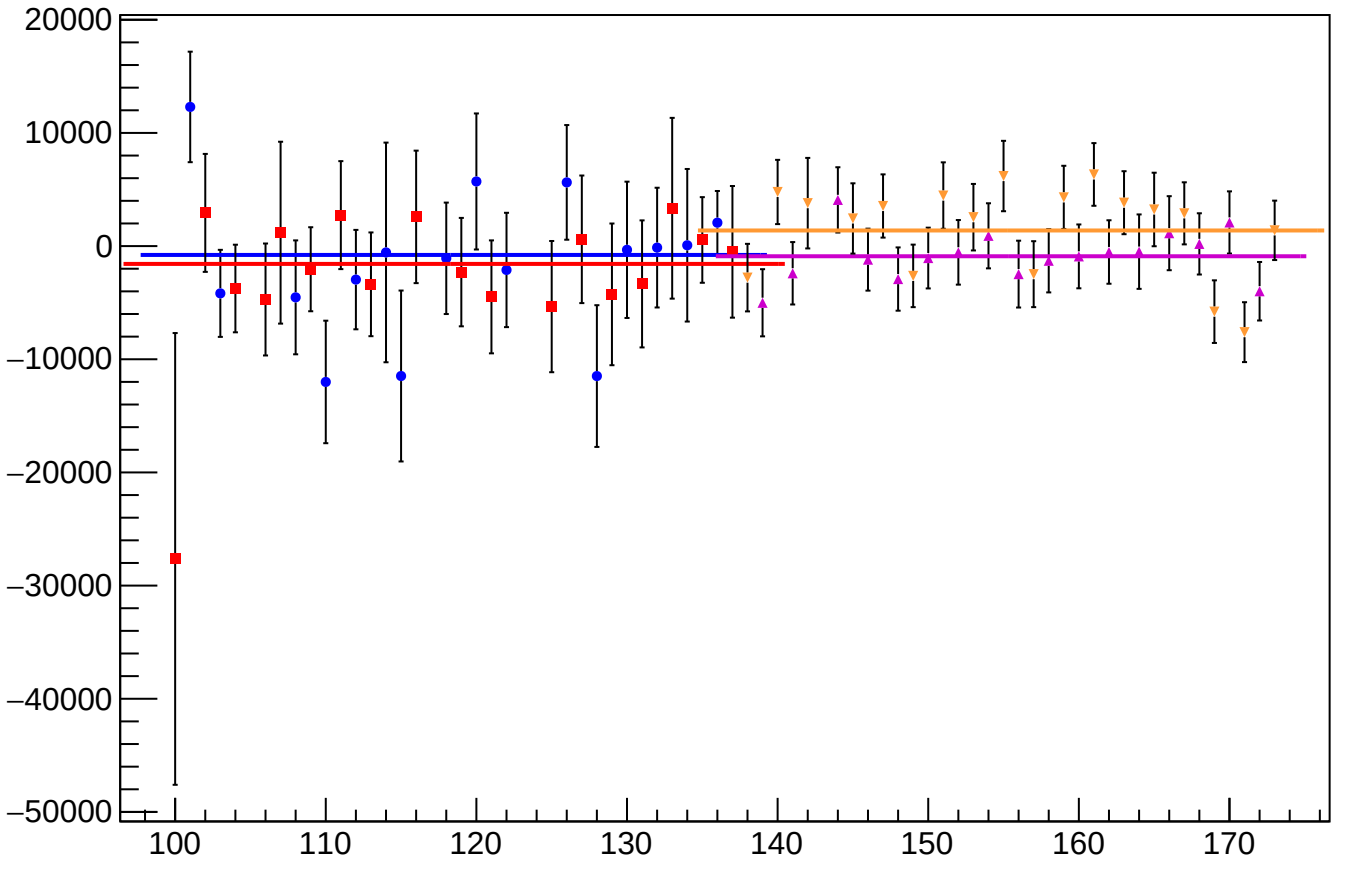
Left: 1409.042+/-0.189 χ^2/NDF: 586033.7/34

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1540.555+/-0.245 χ^2/NDF:2878052.2/32

Out: 1526.022+/-0.242 χ^2/NDF:2884131.1/35

All: 1533.182+/-0.172 χ^2/NDF: 5763963.6/68



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1380.243+/-682.160 χ^2/NDF:35.9/17

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -897.890+/-688.655 χ^2/NDF:9.6/16

Left: 251.971+/-484.640 χ^2/NDF: 51.1/34

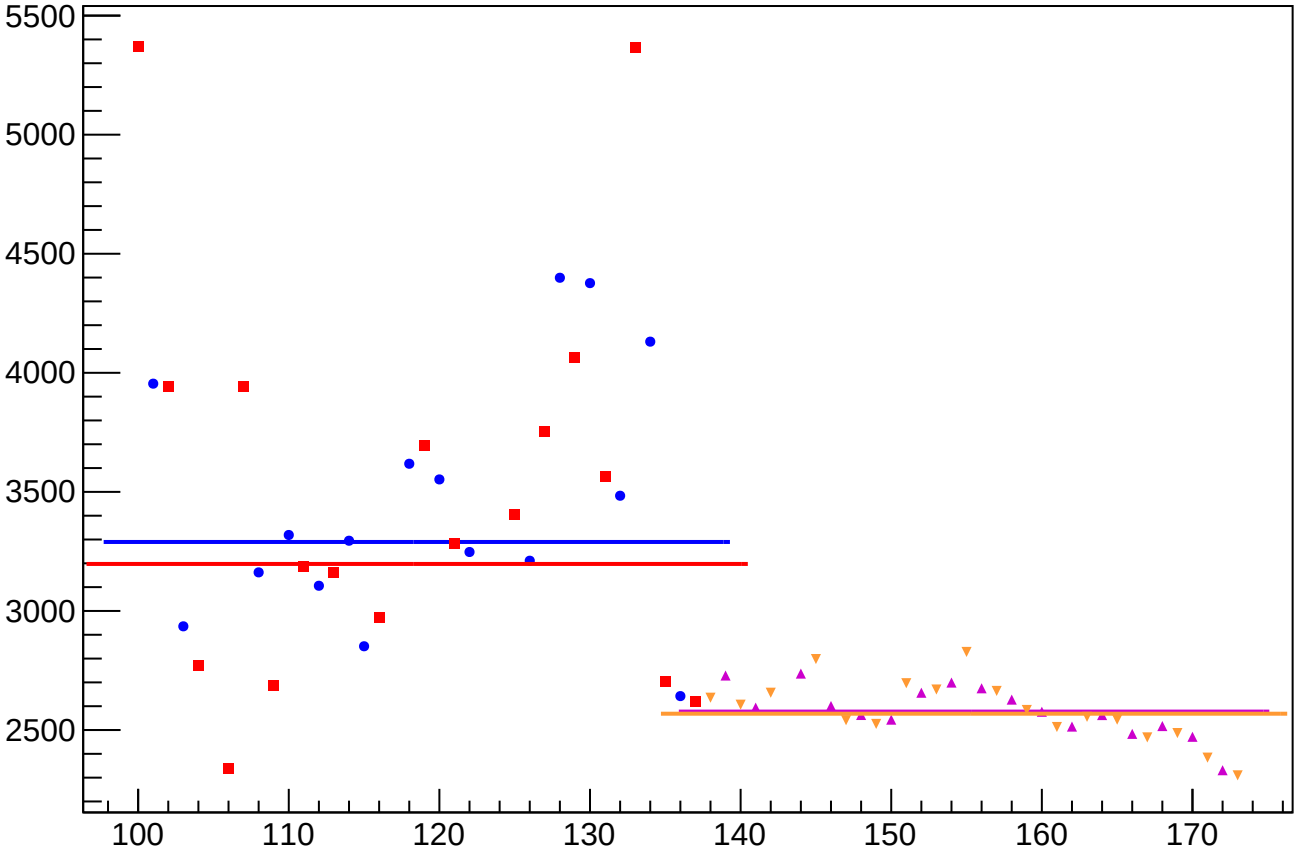
Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -870.540+/-602.237 χ^2/NDF:31.5/32

Out: 675.528+/-595.284 χ^2/NDF:47.1/35

All: -88.530+/-423.366 χ^2/NDF: 82.0/68

asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2568.499+/-0.482 χ^2/NDF:70769.2/17

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2577.410+/-0.487 χ^2/NDF:44689.7/16

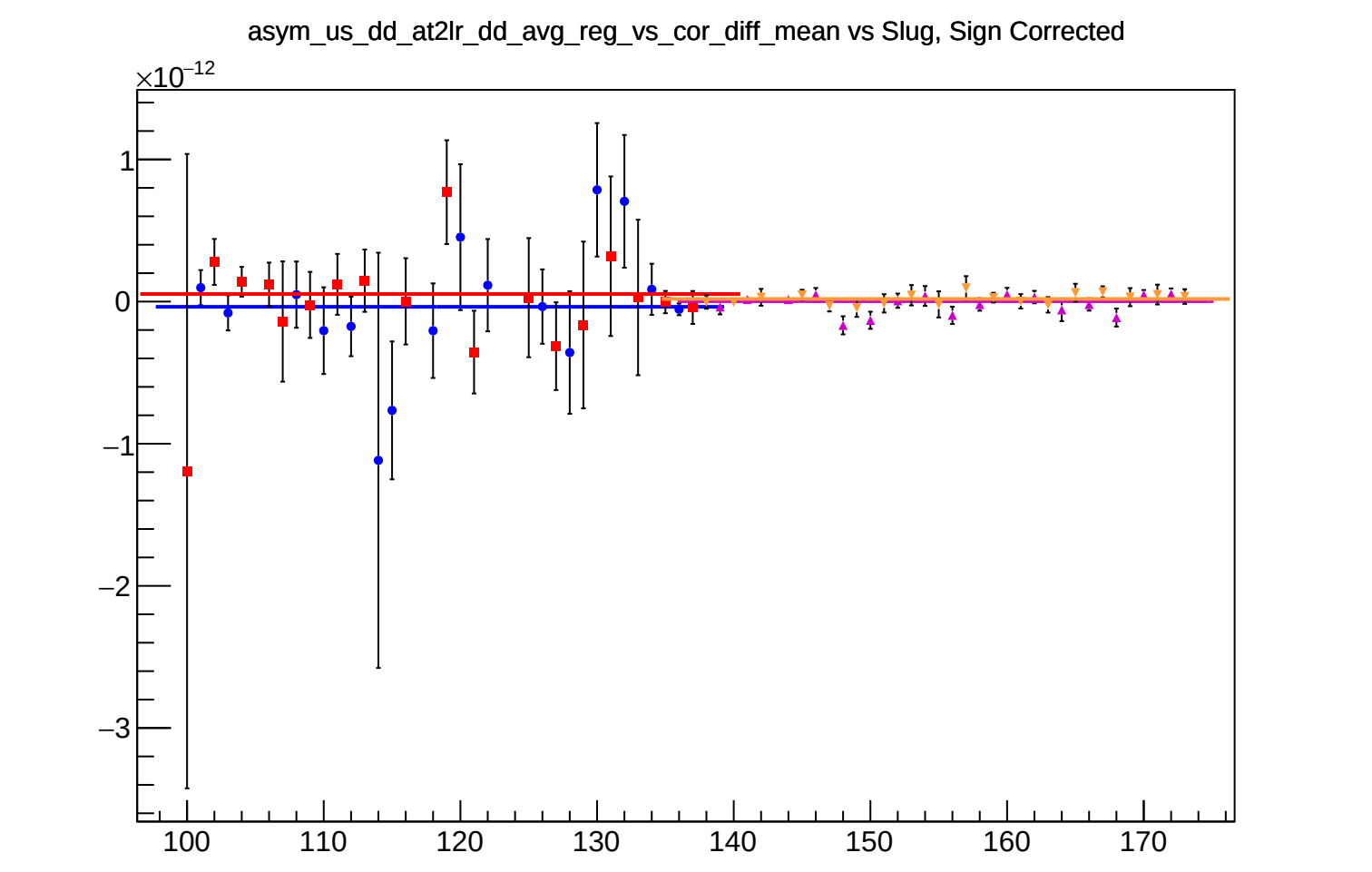
Left: 2572.912+/-0.343 χ^2/NDF: 115627.9/34

Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2744.960+/-0.426 χ^2/NDF:895577.5/32

Out: 2718.483+/-0.421 χ^2/NDF:976086.7/35

All: 2731.568+/-0.299 χ^2/NDF: 1873619.5/68



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:26.1/16

Left: 0.000+/-0.000 χ^2/NDF: 35.2/34

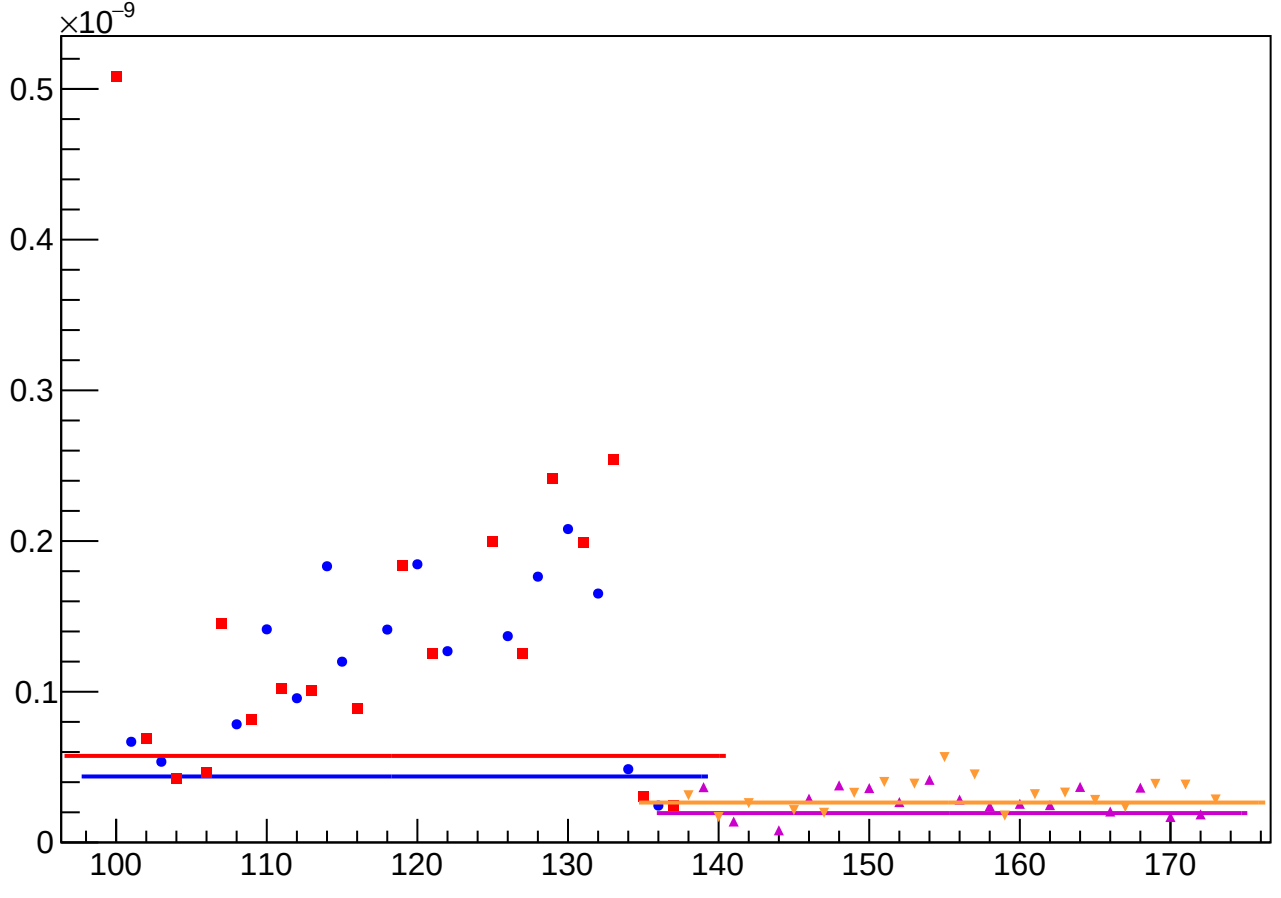
Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: 0.000+/-0.000 χ^2/NDF:40.5/32

Out: 0.000+/-0.000 χ^2/NDF:21.3/35

All: 0.000+/-0.000 χ^2/NDF: 63.8/68

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1114929.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2109241.3/16

Left: 0.000+/-0.000 χ^2/NDF: 3645008.4/34

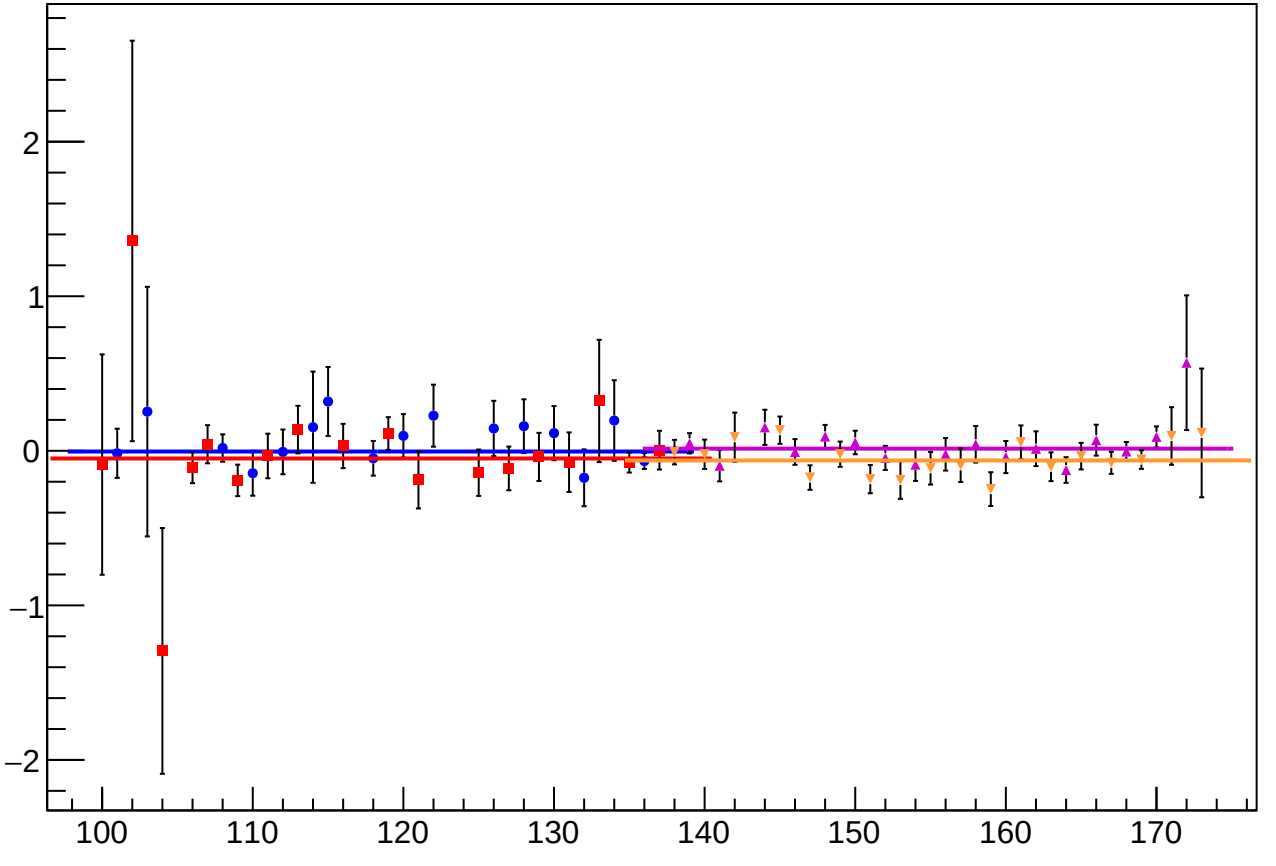
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:5261494.0/32

Out: 0.000+/-0.000 χ^2/NDF:4151832.4/35

All: 0.000+/-0.000 χ^2/NDF: 9900477.7/68

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: -0.062+/-0.022 χ^2/NDF:17.1/17

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:12.4/16

Left: -0.022+/-0.015 χ^2/NDF: 35.7/34

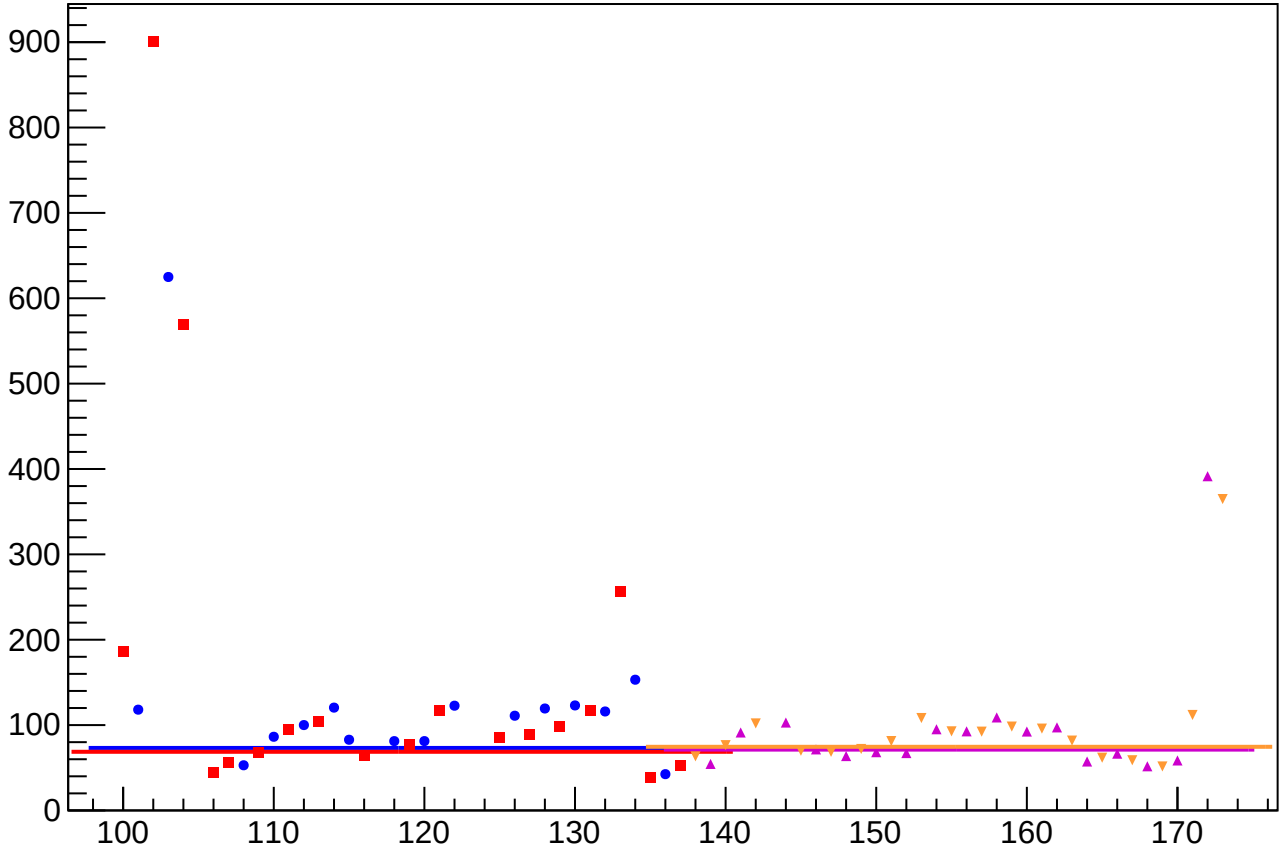
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:23.0/32

Out: -0.058+/-0.018 χ^2/NDF:30.2/35

All: -0.024+/-0.013 χ^2/NDF: 60.1/68

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: 74.565+/-0.016 χ^2/NDF:2060905.5/17

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 71.278+/-0.015 χ^2/NDF:2386695.3/16

Left: 72.848+/-0.011 χ^2/NDF: 4470559.0/34

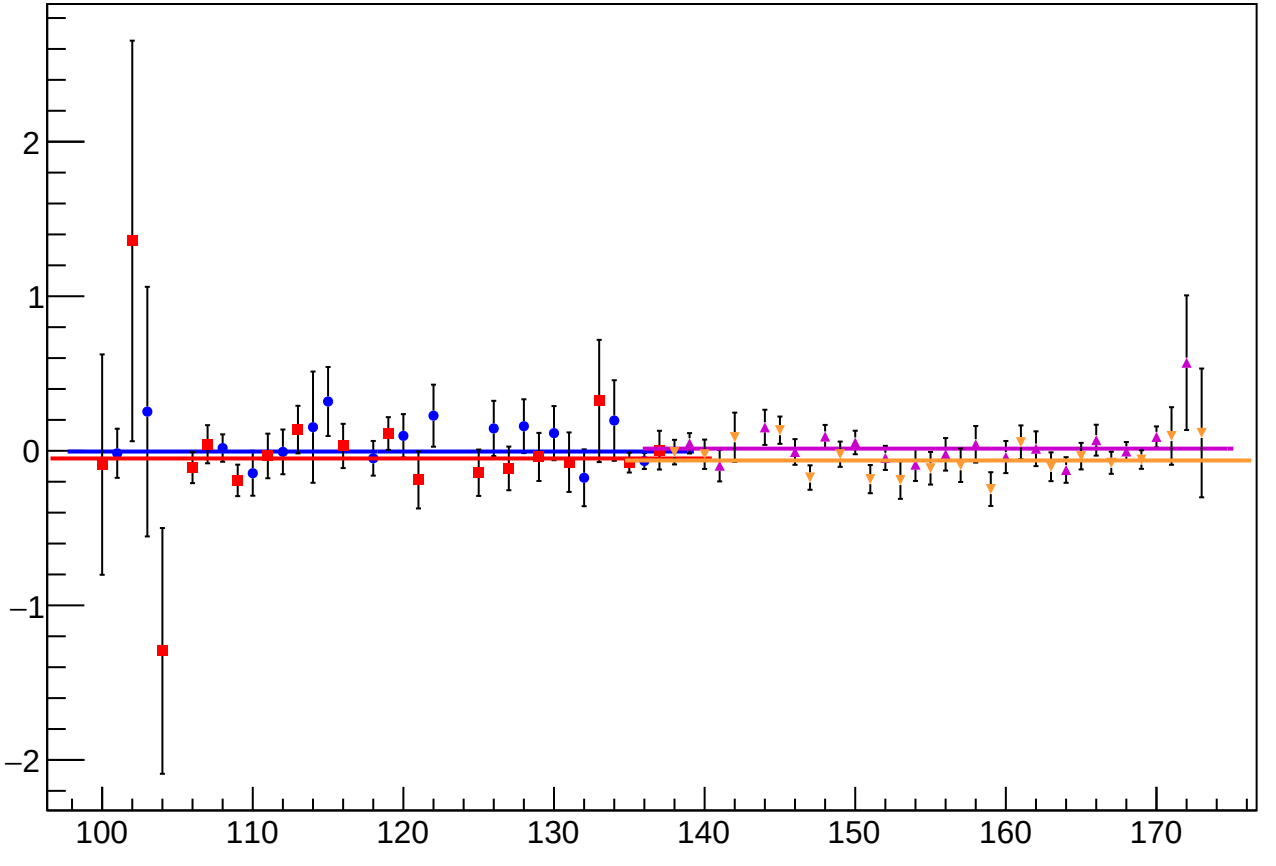
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 71.869+/-0.013 χ^2/NDF:5246442.4/32

Out: 72.642+/-0.013 χ^2/NDF:5438317.1/35

All: 72.246+/-0.009 χ^2/NDF: 10686617.1/68

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: -0.062+/-0.022 χ^2/NDF:17.1/17

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:12.4/16

Left: -0.022+/-0.015 χ^2/NDF: 35.7/34

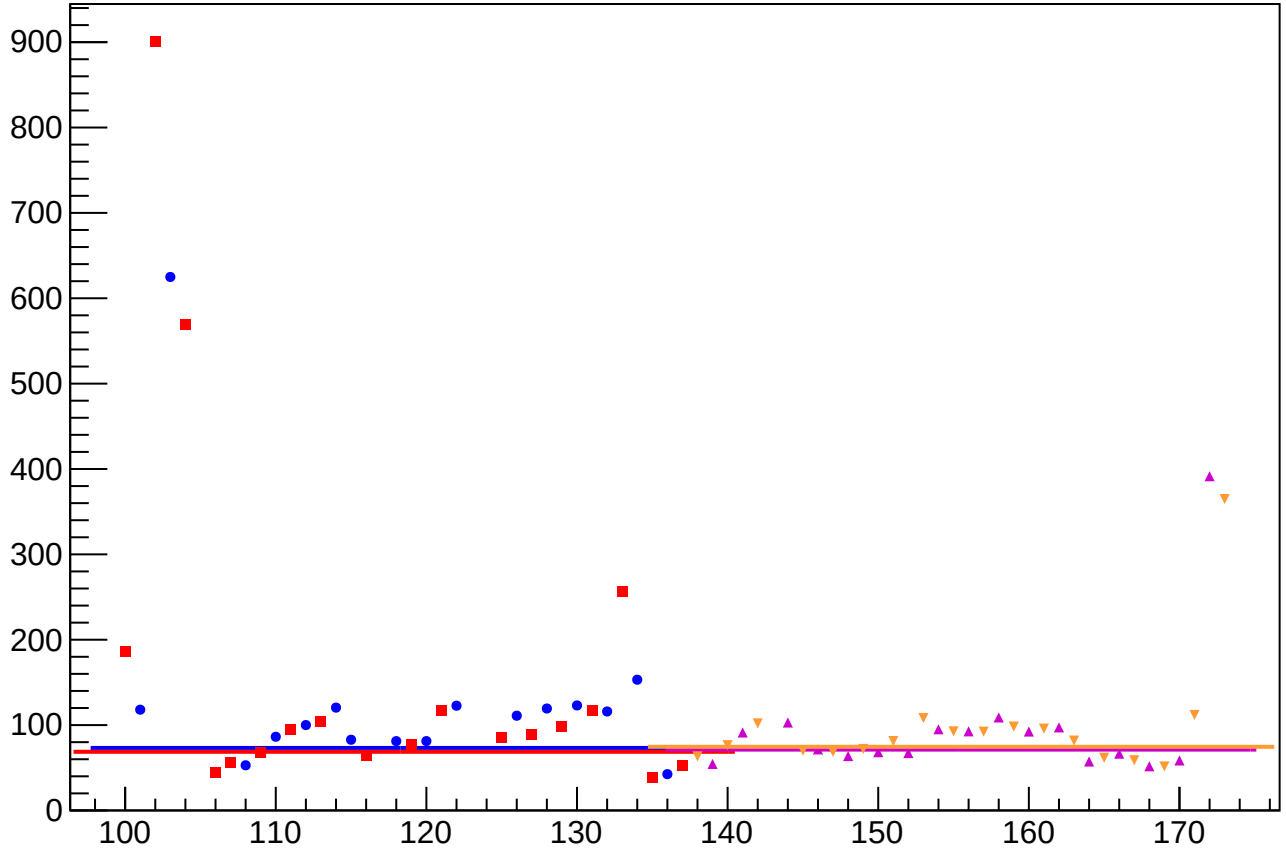
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:23.0/32

Out: -0.058+/-0.018 χ^2/NDF:30.2/35

All: -0.024+/-0.013 χ^2/NDF: 60.1/68

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: 74.565+/-0.016 χ^2/NDF:2060905.5/17

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 71.278+/-0.015 χ^2/NDF:2386695.3/16

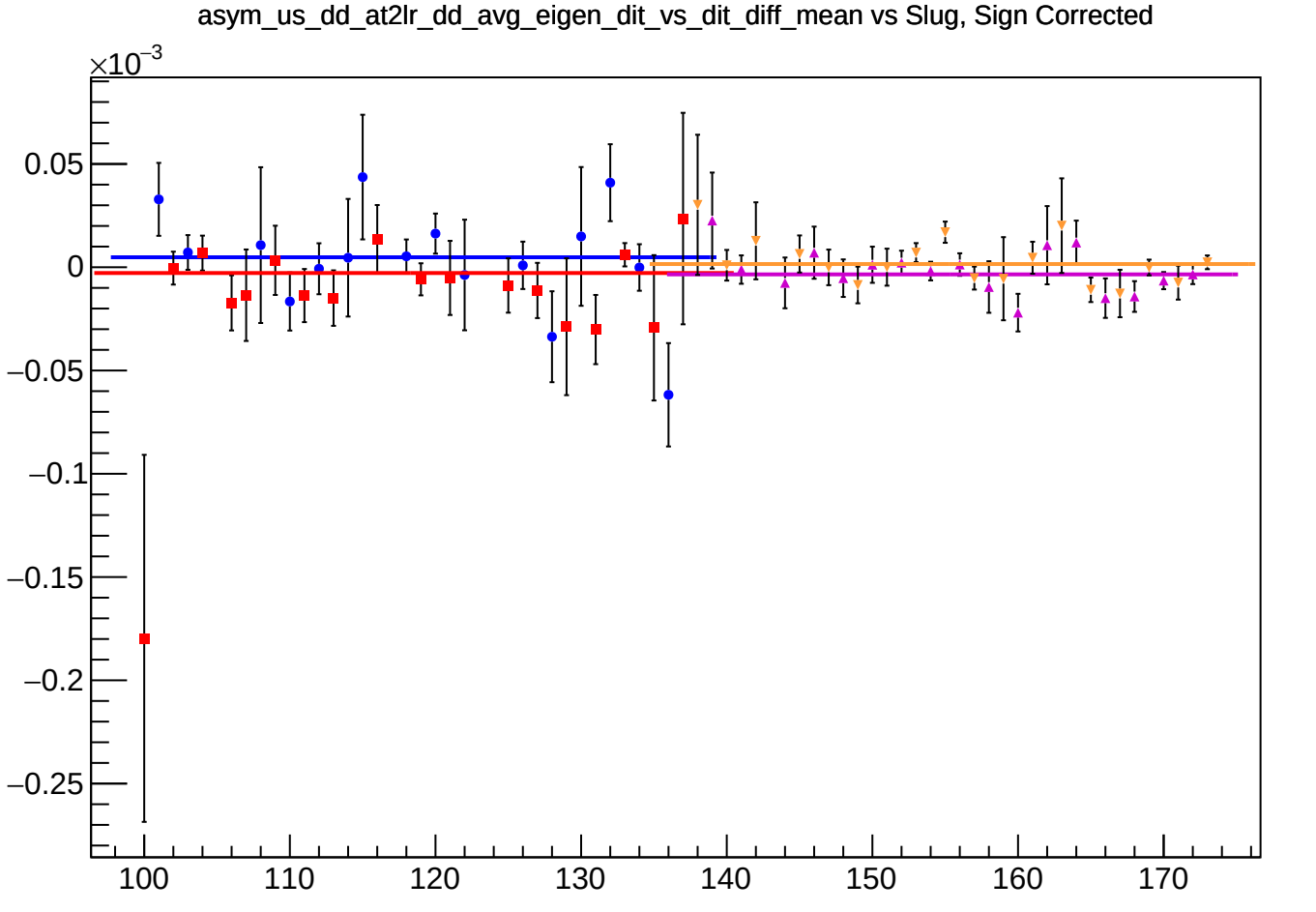
Left: 72.848+/-0.011 χ^2/NDF: 4470559.0/34

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 71.869+/-0.013 χ^2/NDF:5246442.4/32

Out: 72.642+/-0.013 χ^2/NDF:5438317.1/35

All: 72.246+/-0.009 χ^2/NDF: 10686617.1/68



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

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

Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: -0.000+/-0.000 χ^2/NDF:15.4/16

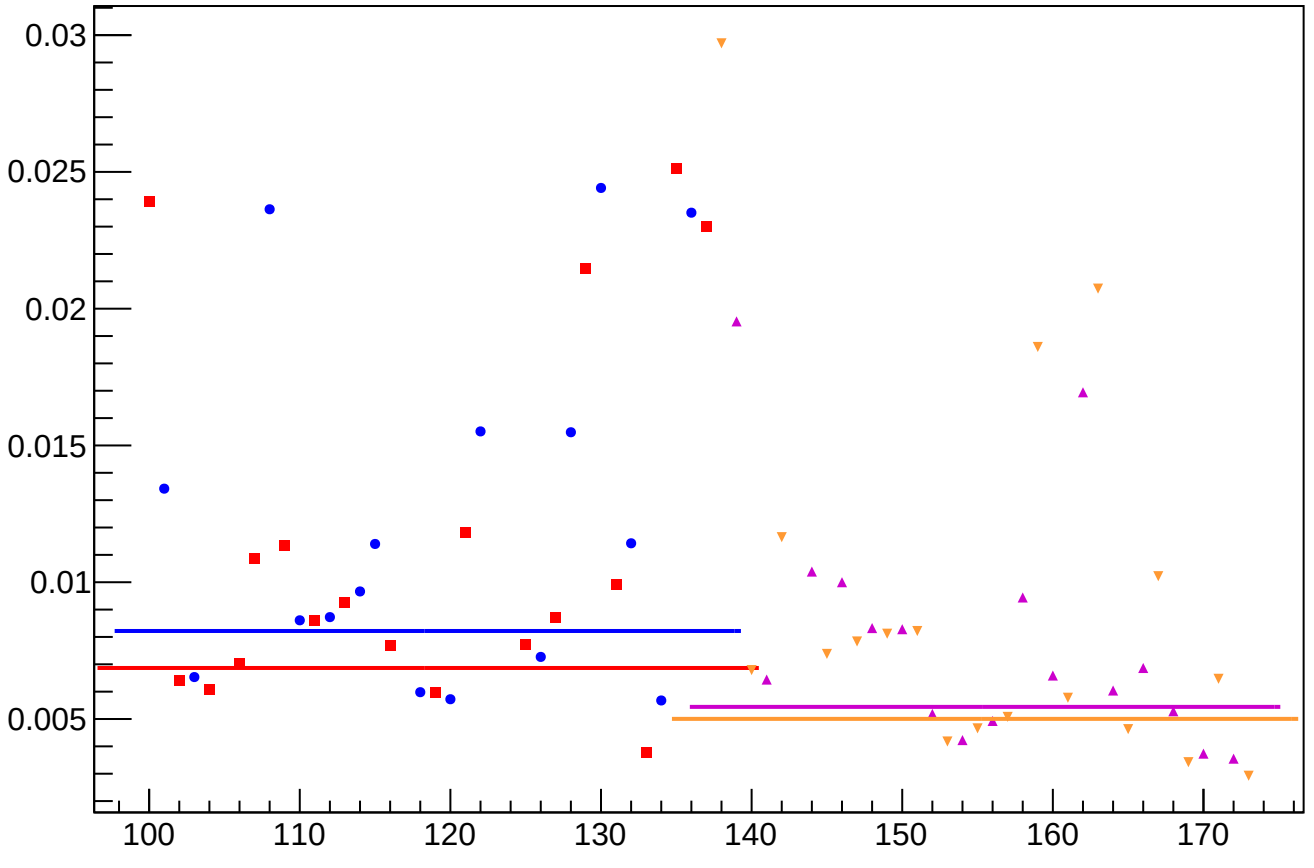
Left: -0.000+/-0.000 χ^2/NDF: 43.2/34

Right: 0.000+/-0.000 χ^2/NDF: 42.2/33

In: -0.000+/-0.000 χ^2/NDF:42.6/32

Out: 0.000+/-0.000 χ^2/NDF:41.7/35

All: -0.000+/-0.000 χ^2/NDF: 85.6/68



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.005+/-0.000 χ^2/NDF:5846317.7/17

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.005+/-0.000 χ^2/NDF:3632036.6/16

Left: 0.005+/-0.000 χ^2/NDF: 9550305.3/34

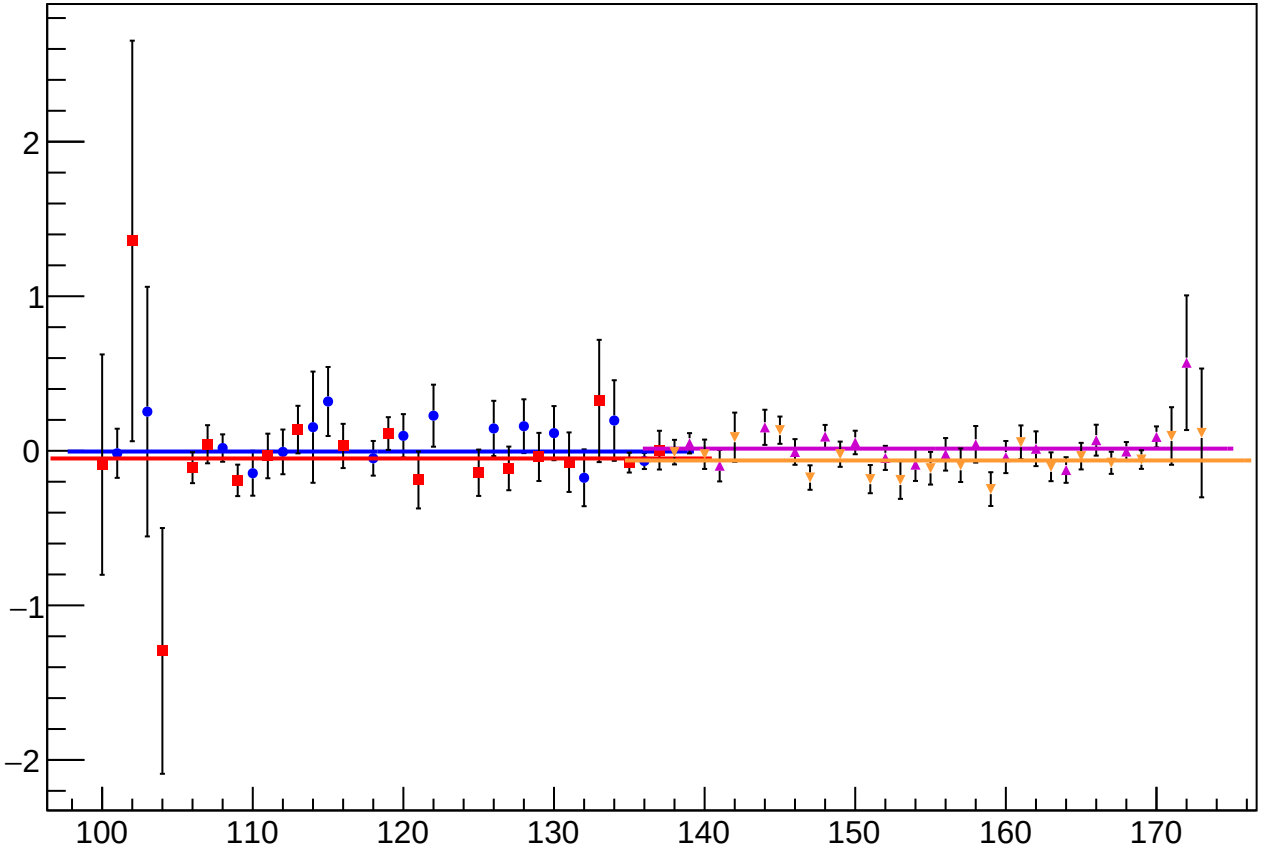
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.006+/-0.000 χ^2/NDF:7303286.5/32

Out: 0.005+/-0.000 χ^2/NDF:8937805.9/35

All: 0.006+/-0.000 χ^2/NDF: 16388792.4/68

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: -0.062+/-0.022 χ^2/NDF:17.1/17

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:12.4/16

Left: -0.022+/-0.015 χ^2/NDF: 35.7/34

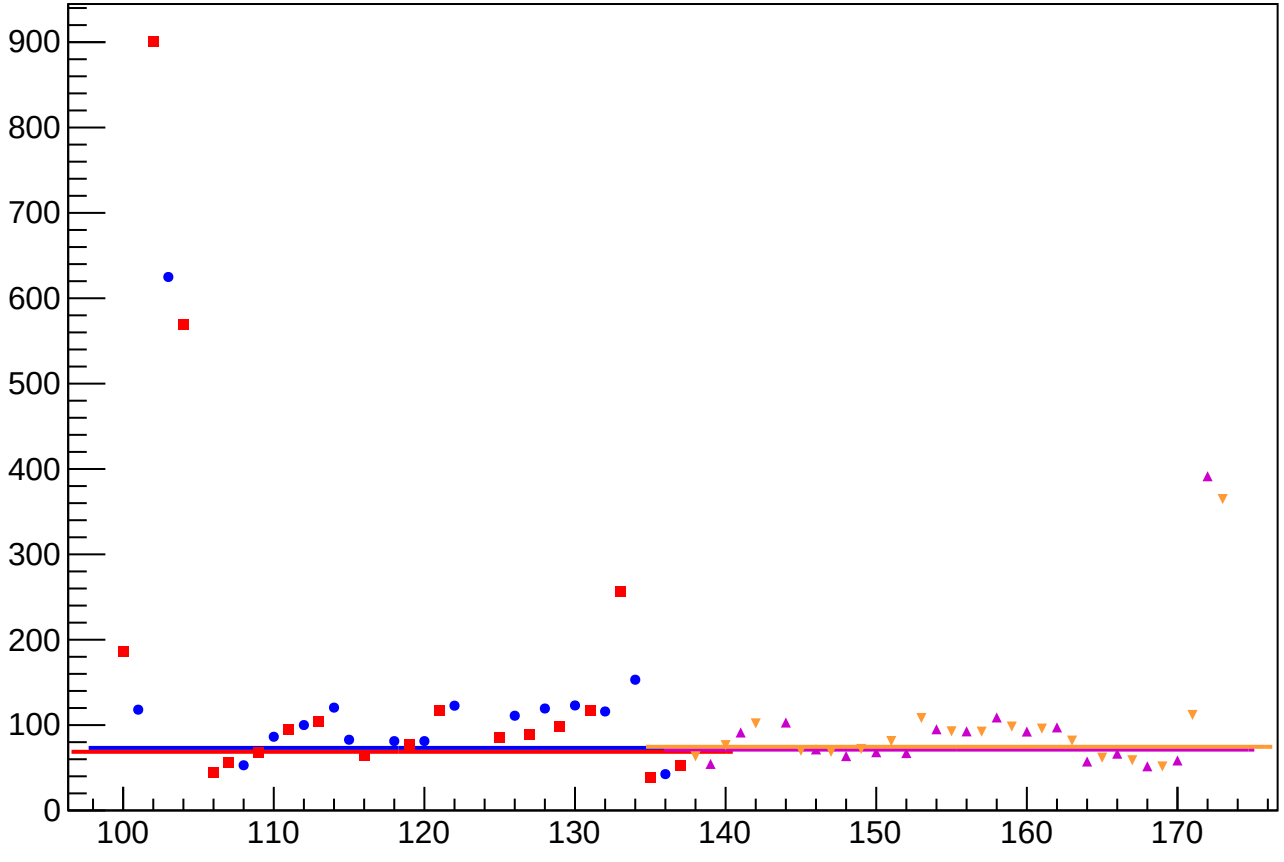
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:23.0/32

Out: -0.058+/-0.018 χ^2/NDF:30.2/35

All: -0.024+/-0.013 χ^2/NDF: 60.1/68

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: 74.565+/-0.016 χ^2/NDF:2060817.8/17

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 71.279+/-0.015 χ^2/NDF:2386440.7/16

Left: 72.848+/-0.011 χ^2/NDF: 4470195.9/34

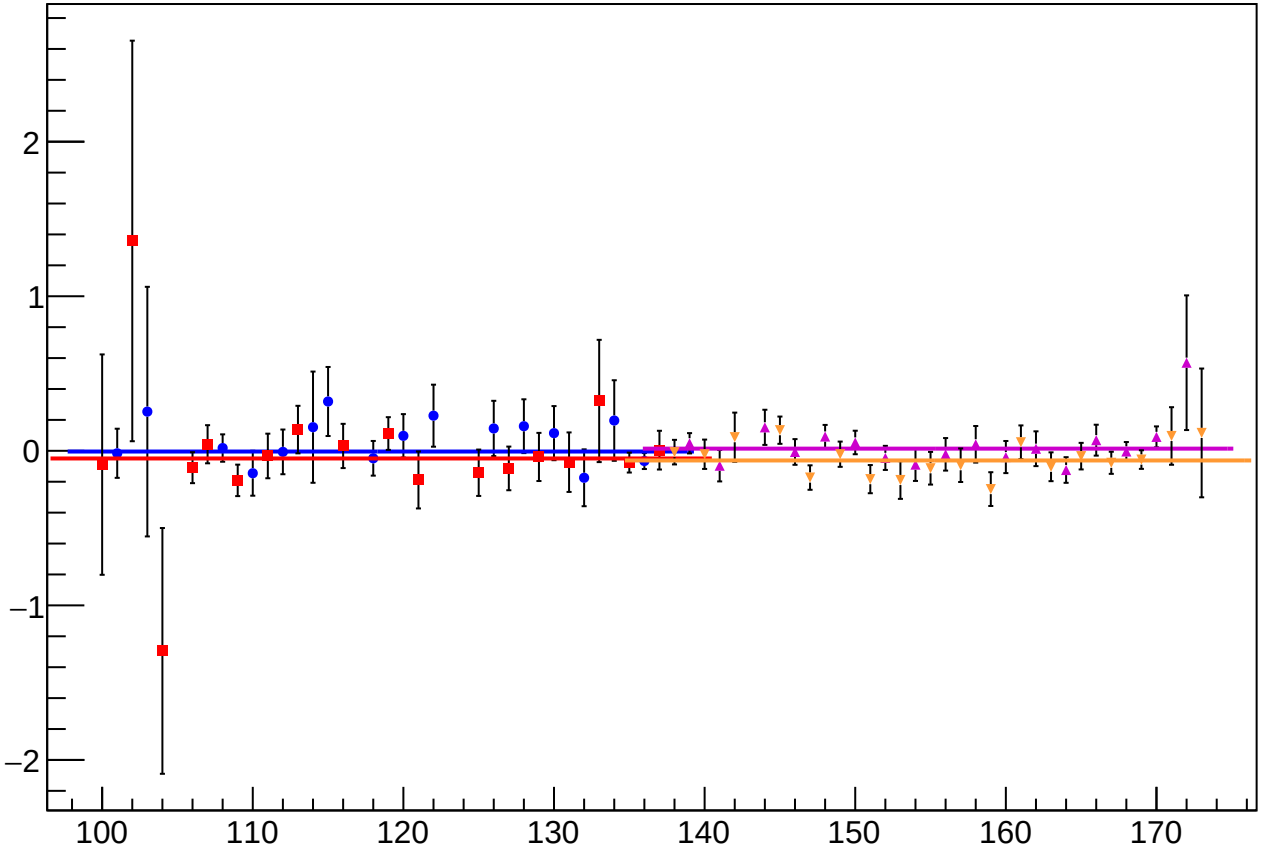
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 71.877+/-0.013 χ^2/NDF:5244018.2/32

Out: 72.638+/-0.013 χ^2/NDF:5439406.0/35

All: 72.248+/-0.009 χ^2/NDF: 10685222.9/68

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: -0.062+/-0.022 χ^2/NDF:17.1/17

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:12.4/16

Left: -0.022+/-0.015 χ^2/NDF: 35.7/34

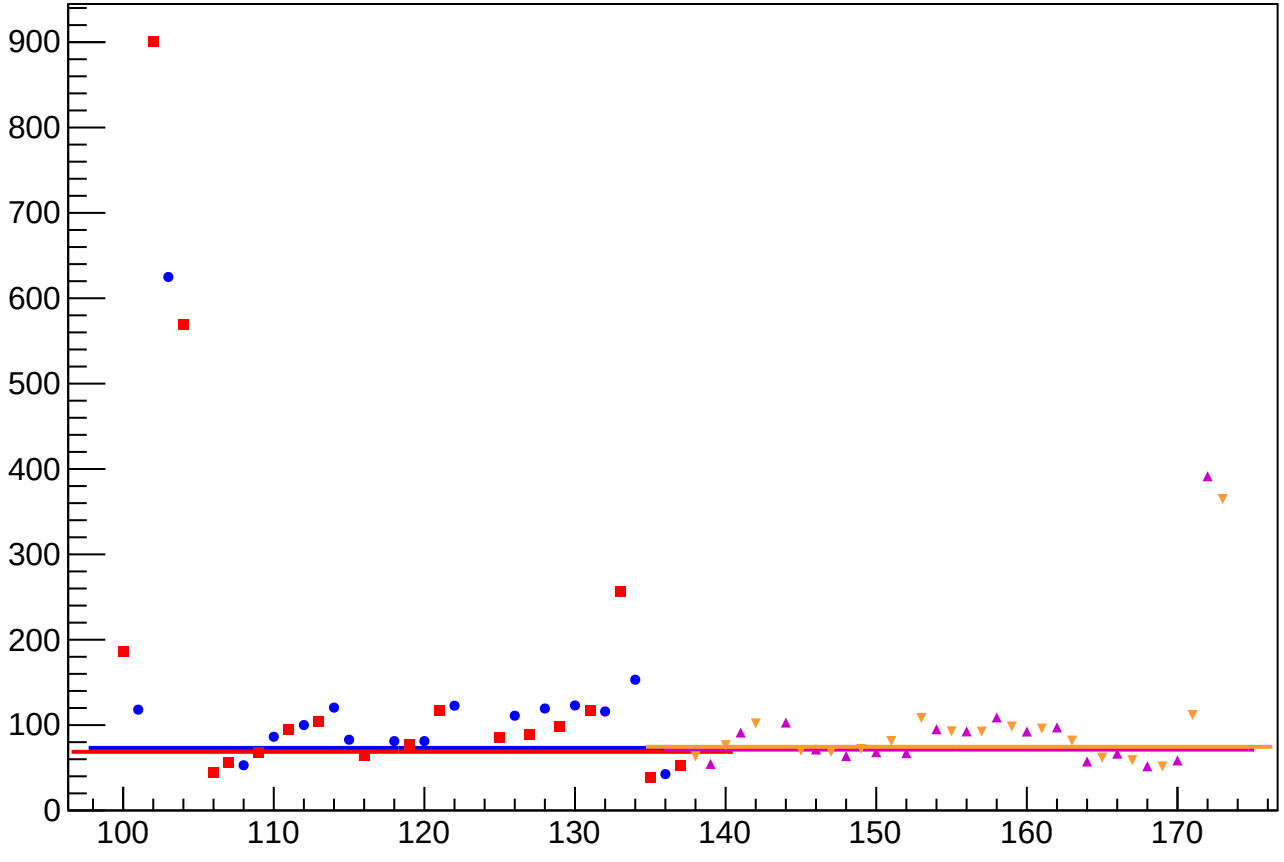
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:23.0/32

Out: -0.058+/-0.018 χ^2/NDF:30.2/35

All: -0.024+/-0.013 χ^2/NDF: 60.1/68

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: 74.565+/-0.016 χ^2/NDF:2060817.8/17

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 71.279+/-0.015 χ^2/NDF:2386440.7/16

Left: 72.848+/-0.011 χ^2/NDF: 4470195.9/34

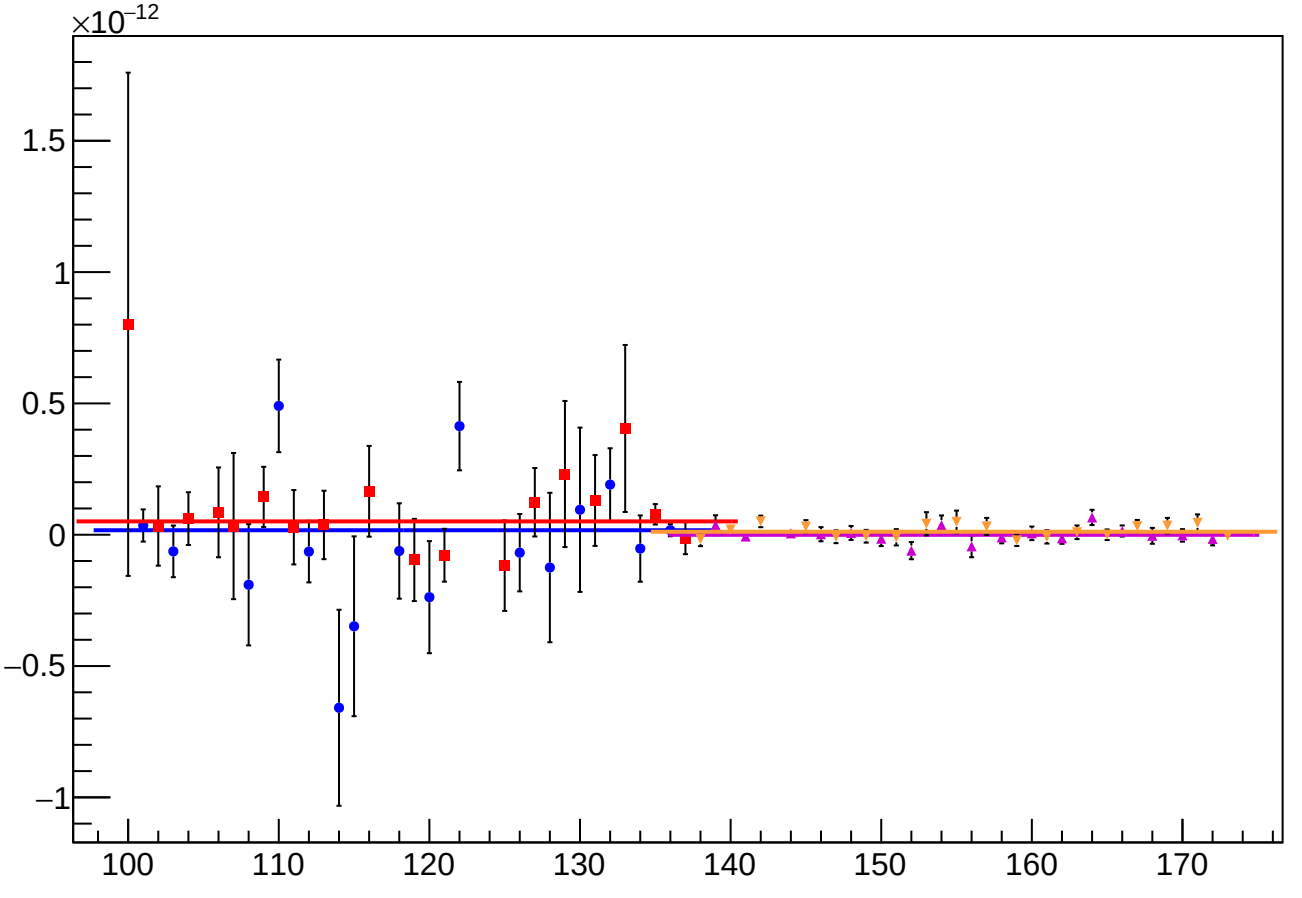
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 71.877+/-0.013 χ^2/NDF:5244018.2/32

Out: 72.638+/-0.013 χ^2/NDF:5439406.0/35

All: 72.248+/-0.009 χ^2/NDF: 10685222.9/68

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:14.9/17

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: -0.000+/-0.000 χ^2/NDF:13.8/16

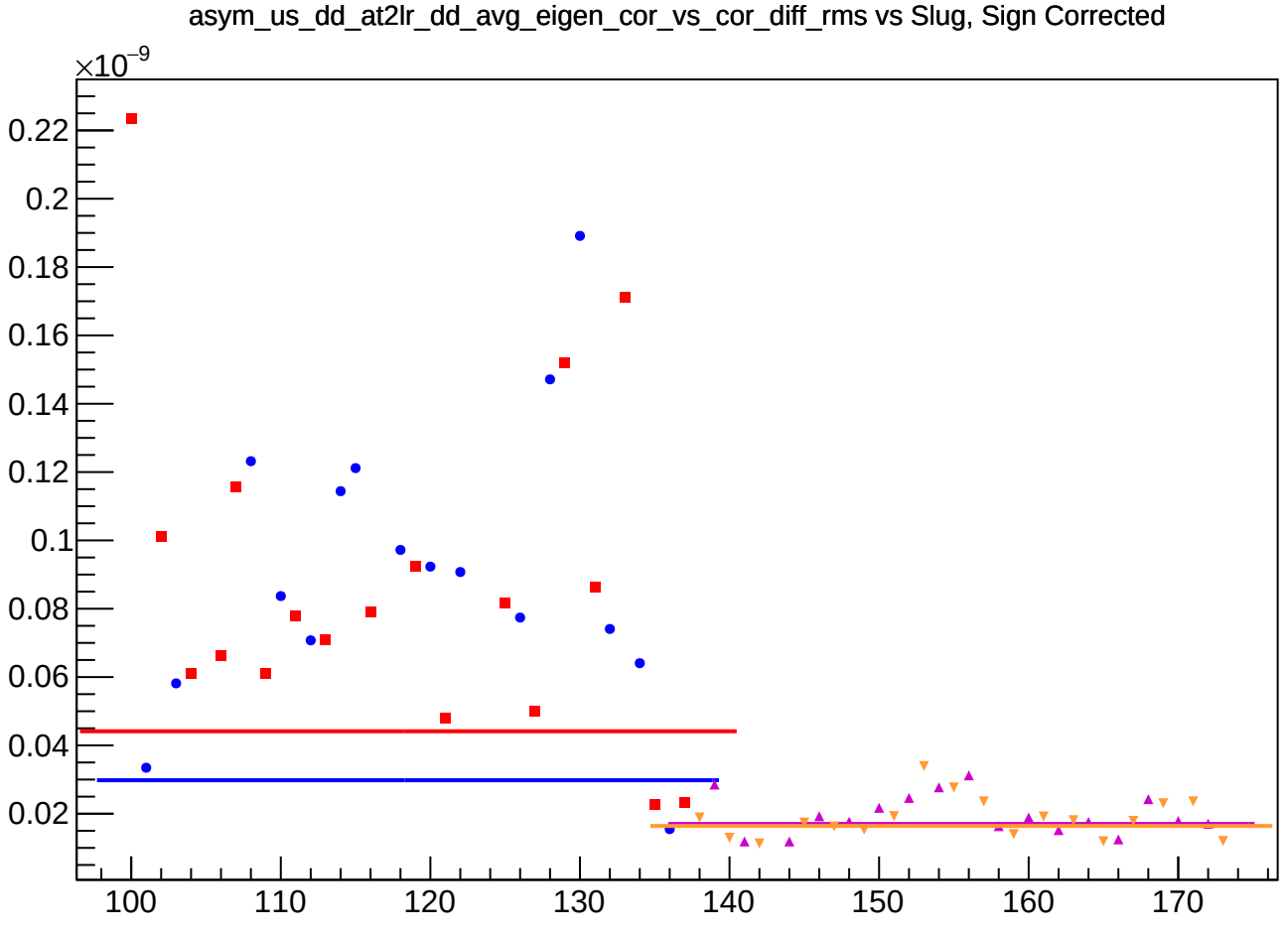
Left: 0.000+/-0.000 χ^2/NDF: 30.6/34

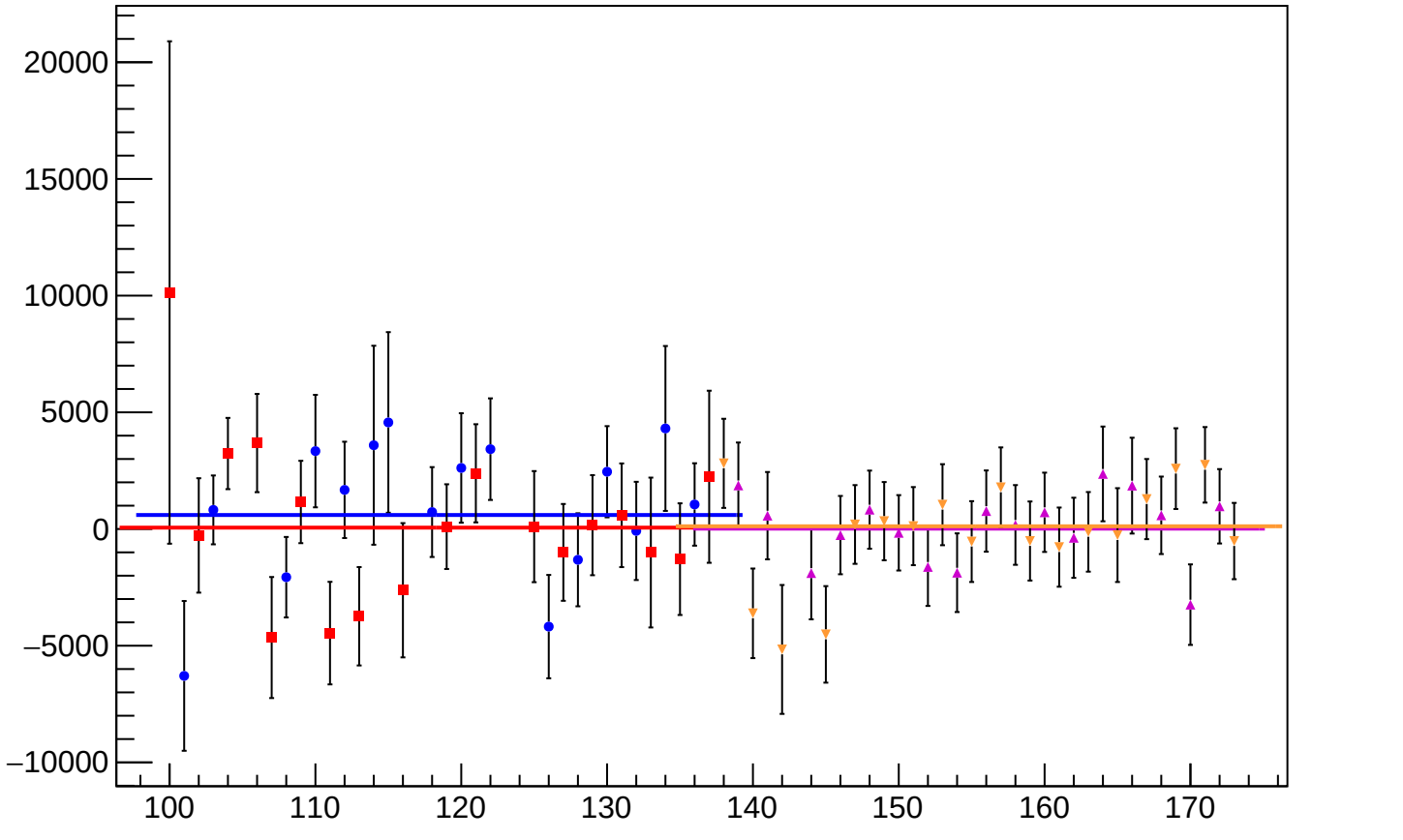
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

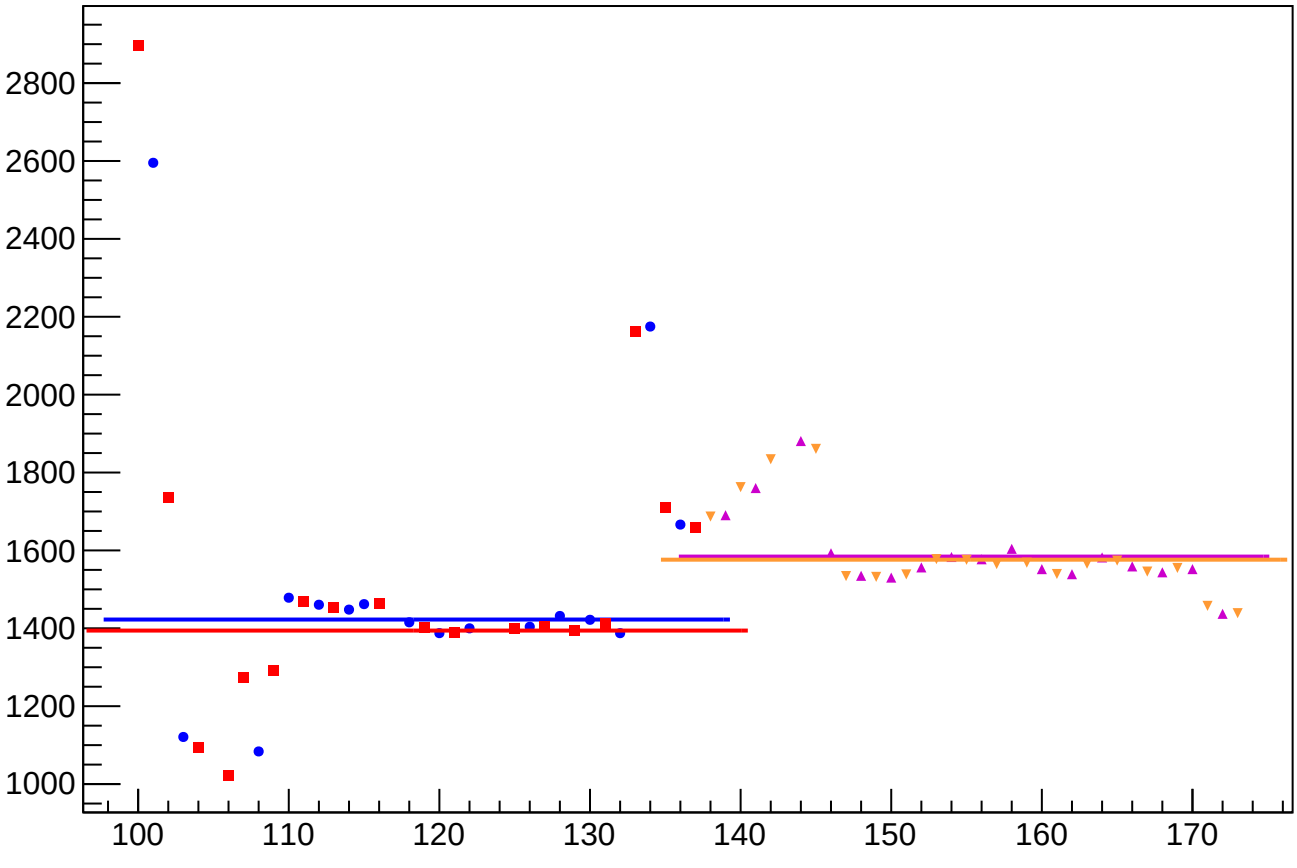
In: 0.000+/-0.000 χ^2/NDF:37.9/32

Out: 0.000+/-0.000 χ^2/NDF:26.4/35

All: 0.000+/-0.000 χ^2/NDF: 66.6/68


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
170
Right In: 0.000+/-0.000 χ²/NDF: 4079776.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1261602.1/17
Right Out: 0.000+/-0.000 χ²/NDF: 2779318.5/17
Left In: 0.000+/-0.000 χ²/NDF:1404892.6/16
Left: 0.000+/-0.000 χ²/NDF: 2676955.9/34
Right: 0.000+/-0.000 χ²/NDF: 7274202.8/33
In: 0.000+/-0.000 χ²/NDF:6282864.0/32
Out: 0.000+/-0.000 χ²/NDF:6409361.8/35
All: 0.000+/-0.000 χ²/NDF: 12694435.1/68


reg_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
170
Right In: 600.146+/-540.053 χ²/NDF: 20.3/15
Left Out: 117.310+/-418.900 χ²/NDF:21.6/17
Right Out: 59.091+/-530.206 χ²/NDF: 22.5/17
Left In: 16.657+/-423.609 χ²/NDF:11.1/16
Left: 67.546+/-297.858 χ²/NDF: 32.7/34
Right: 324.641+/-378.346 χ²/NDF: 43.4/33
In: 238.910+/-333.307 χ²/NDF:32.2/32
Out: 94.935+/-328.692 χ²/NDF:44.2/35
All: 165.919+/-234.035 χ²/NDF: 76.4/68



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1576.205+/-0.296 χ^2/NDF:111454.2/17

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1584.159+/-0.300 χ^2/NDF:95355.2/16

Left: 1580.138+/-0.211 χ^2/NDF: 207165.9/34

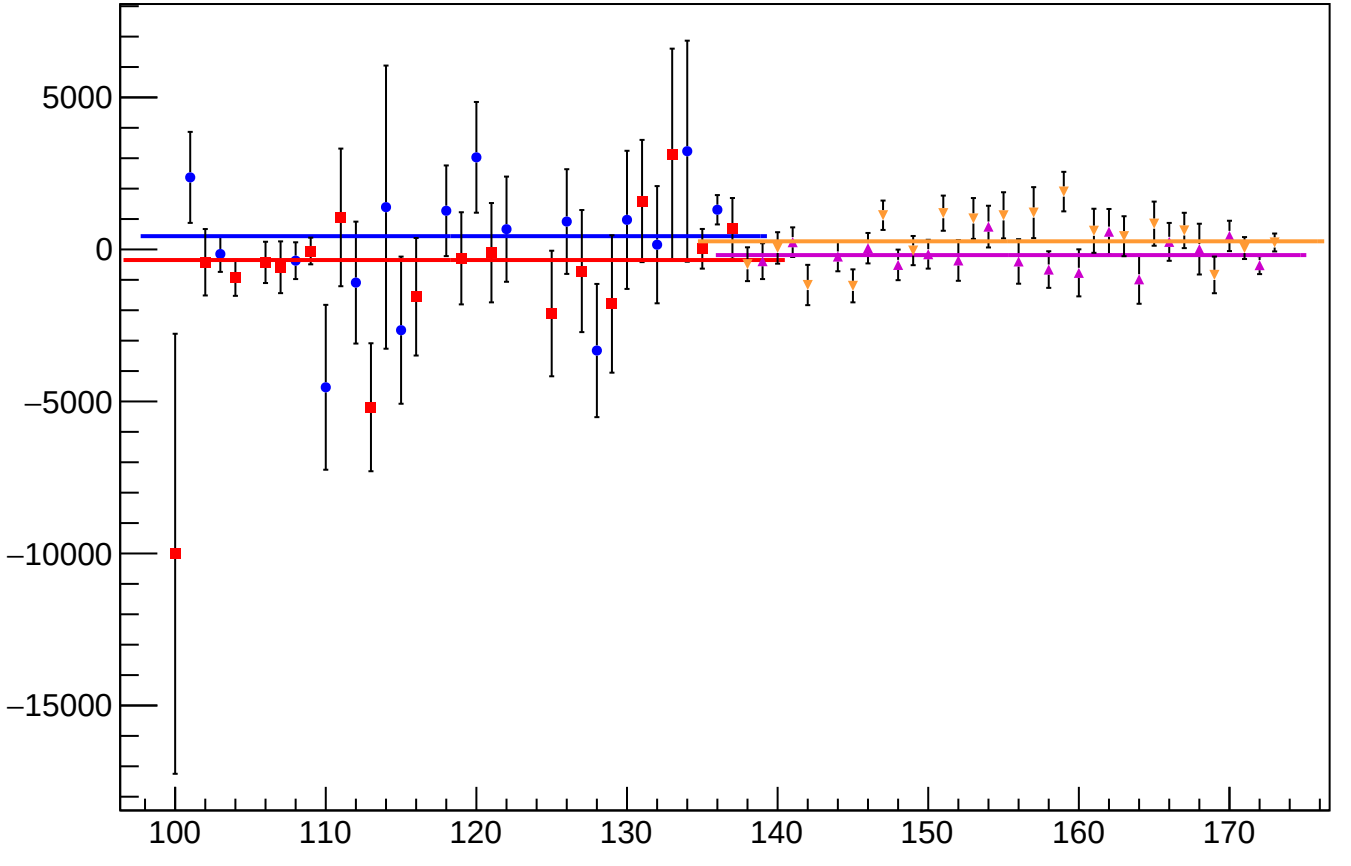
Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1522.588+/-0.236 χ^2/NDF:766541.8/32

Out: 1506.246+/-0.232 χ^2/NDF:650267.3/35

All: 1514.303+/-0.165 χ^2/NDF: 1419246.6/68

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 267.251+/-125.942 χ^2/NDF:35.3/17

Right Out: -348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: -185.954+/-132.242 χ^2/NDF:10.1/16

Left: 51.699+/-91.200 χ^2/NDF: 51.6/34

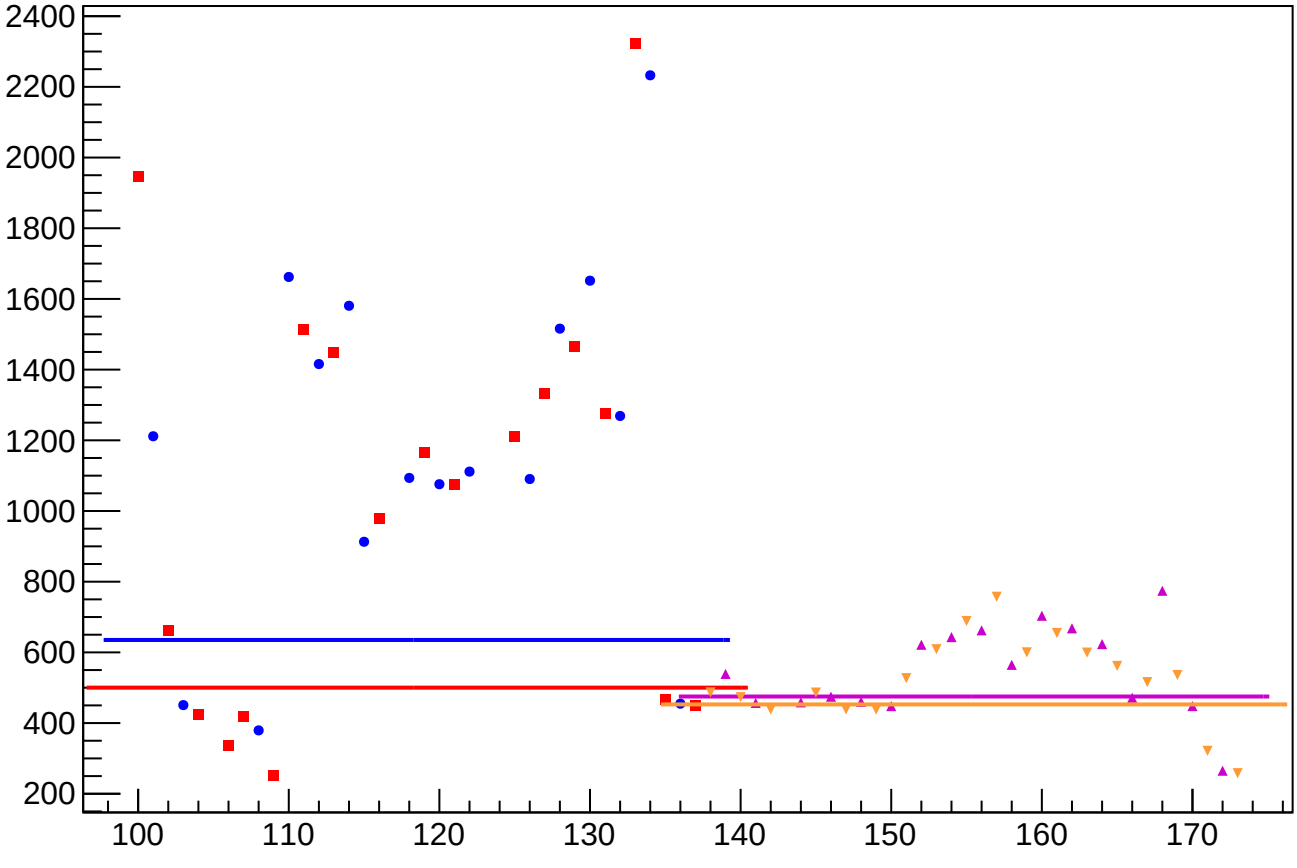
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: -69.678+/-119.252 χ^2/NDF:33.6/32

Out: 128.697+/-110.873 χ^2/NDF:54.6/35

All: 36.723+/-81.200 χ^2/NDF: 89.7/68

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: 452.777+/-0.089 χ^2/NDF:2223434.0/17

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 475.121+/-0.094 χ^2/NDF:2075823.6/16

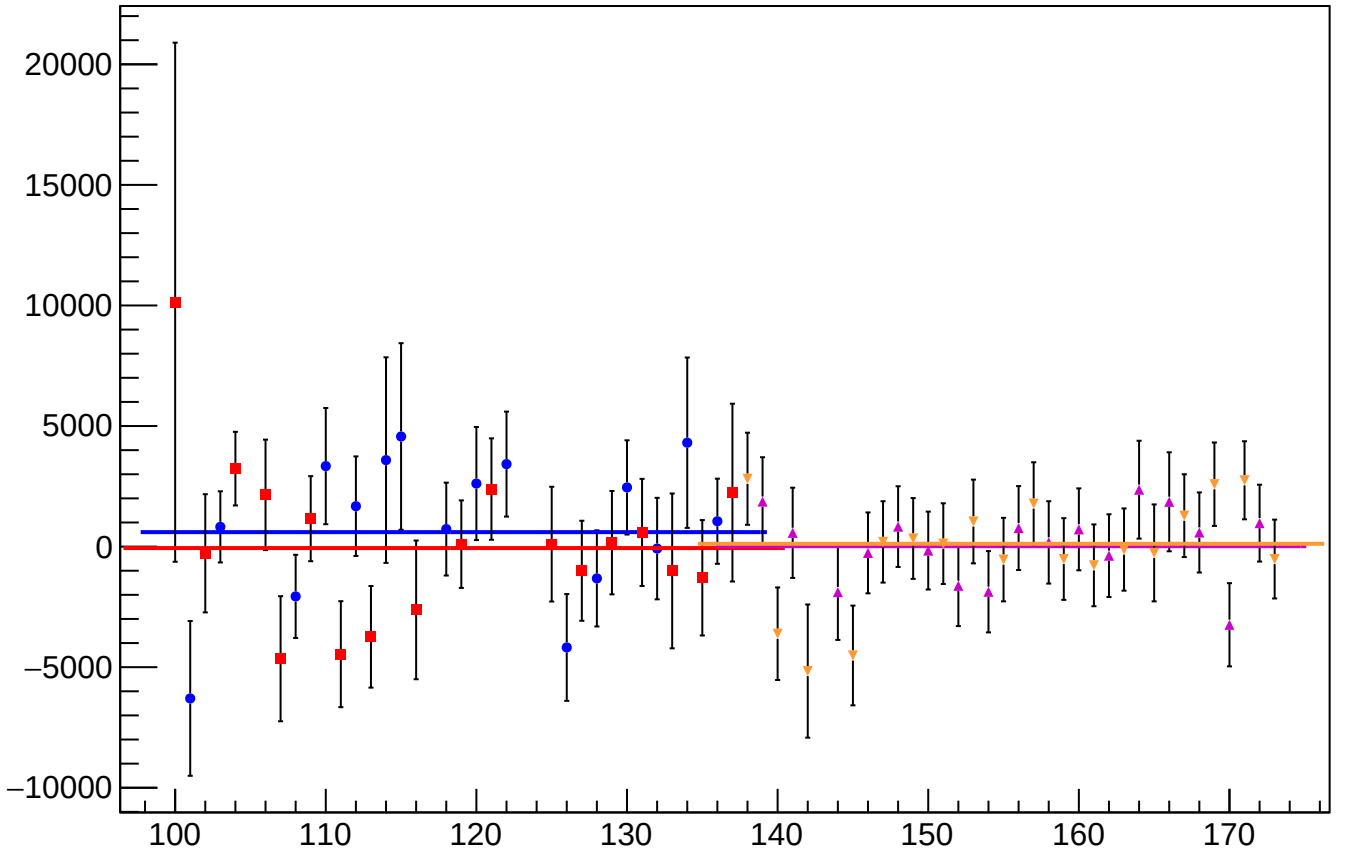
Left: 463.404+/-0.064 χ^2/NDF: 4329198.9/34

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 505.011+/-0.084 χ^2/NDF:6375407.8/32

Out: 463.454+/-0.078 χ^2/NDF:6596414.0/35

All: 482.721+/-0.057 χ^2/NDF: 13102097.4/68



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 117.216+/-418.900 χ^2/NDF:21.6/17

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: 16.625+/-423.609 χ^2/NDF:11.1/16

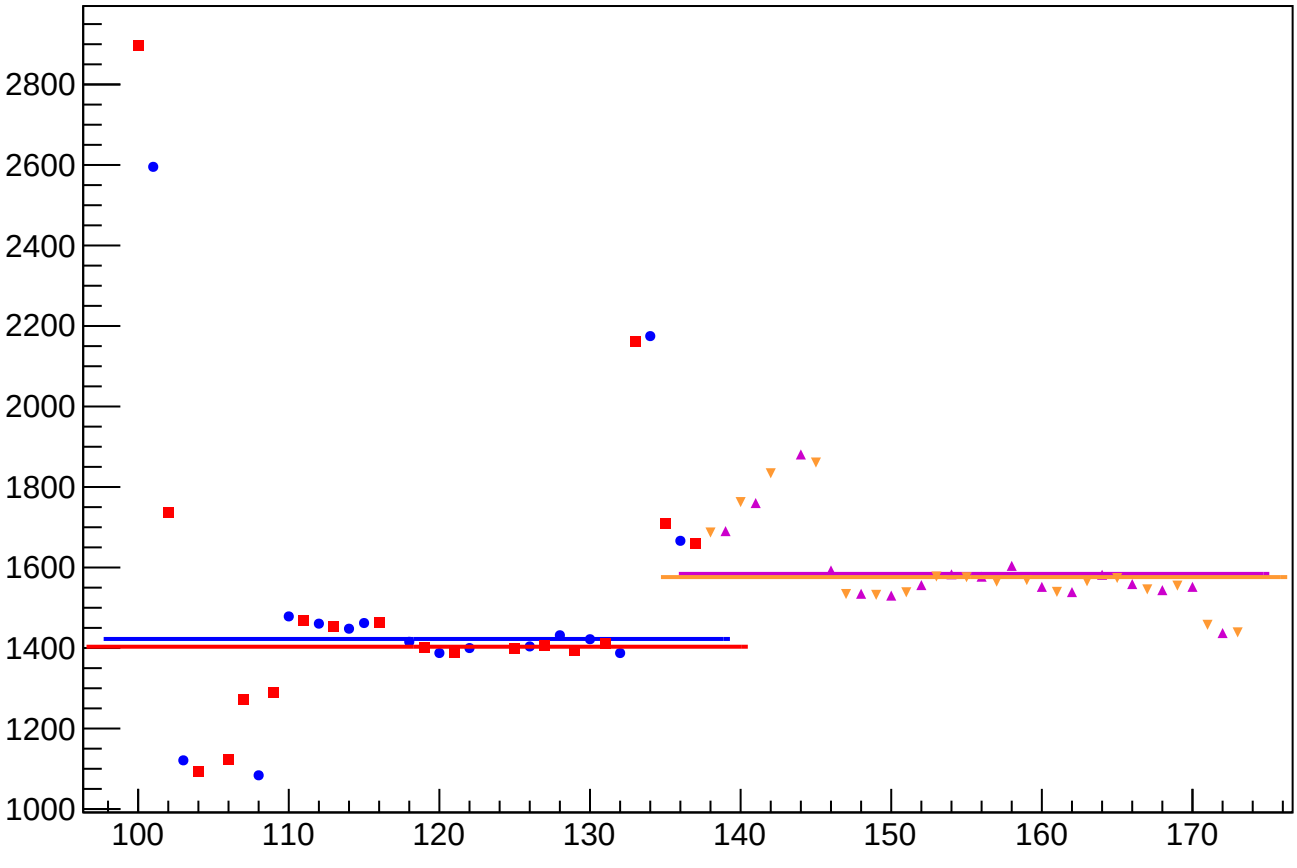
Left: 67.483+/-297.858 χ^2/NDF: 32.7/34

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 238.842+/-333.307 χ^2/NDF:32.2/32

Out: 49.384+/-329.314 χ^2/NDF:42.0/35

All: 142.971+/-234.259 χ^2/NDF: 74.4/68



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1576.205+/-0.296 χ^2/NDF:111454.2/17

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1584.159+/-0.300 χ^2/NDF:95355.2/16

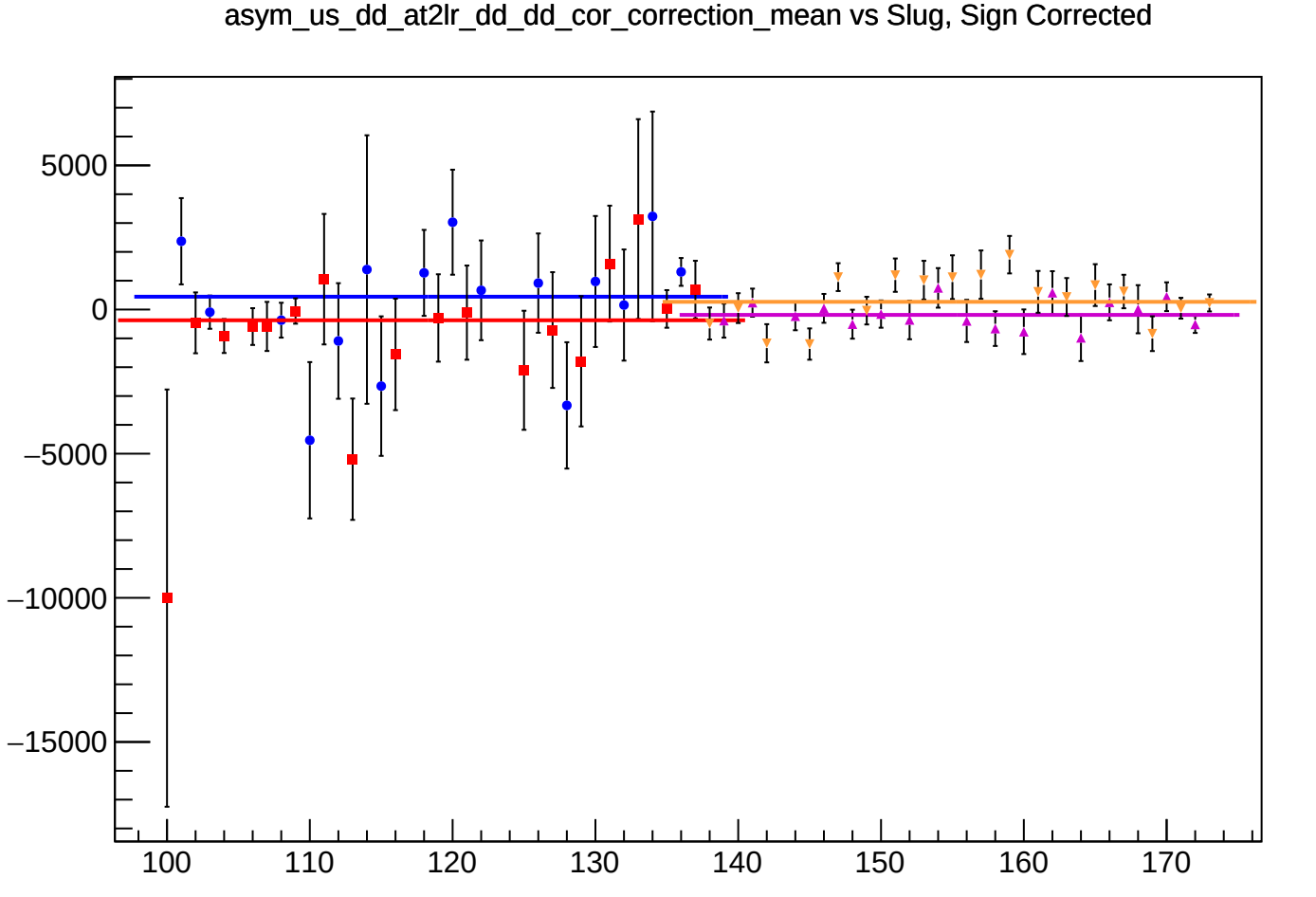
Left: 1580.138+/-0.211 χ^2/NDF: 207165.9/34

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

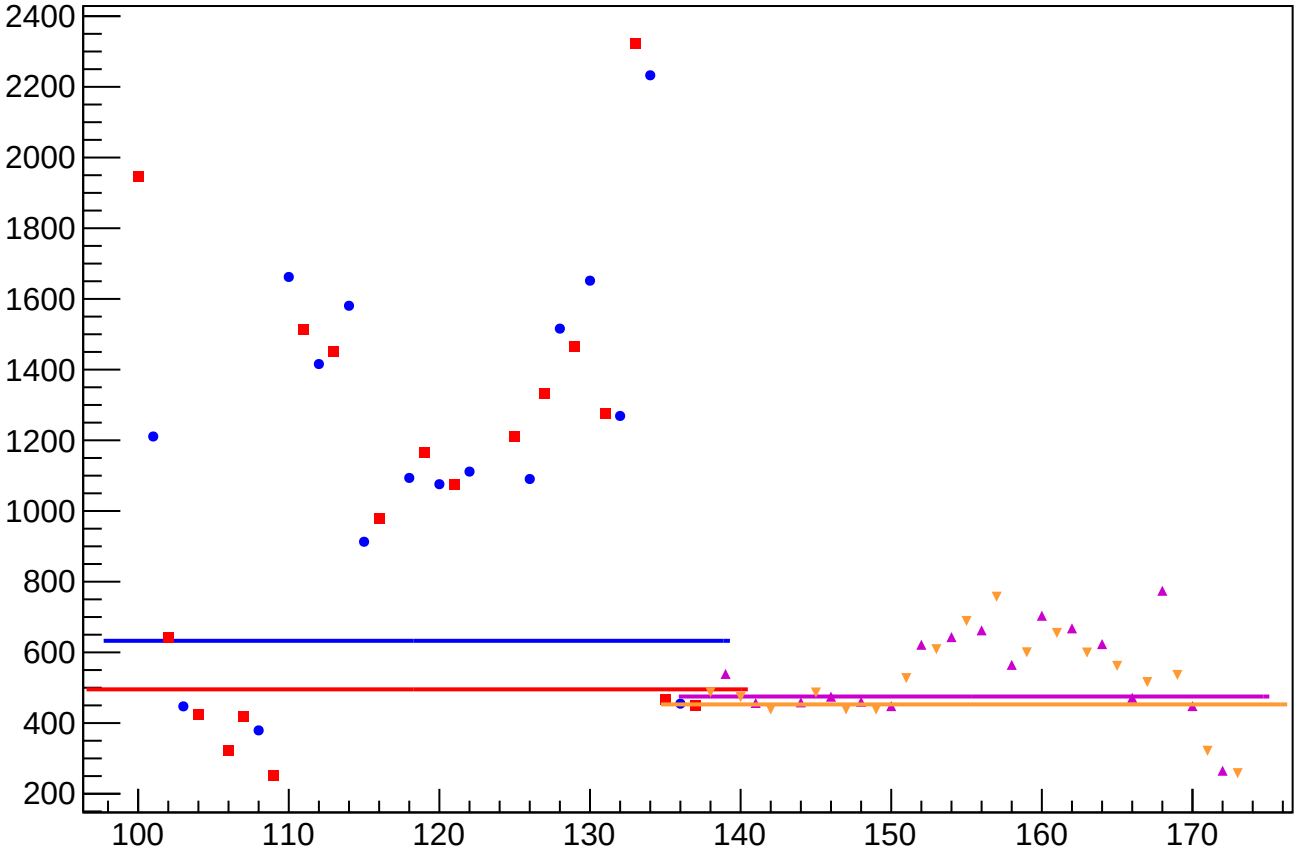
In: 1522.588+/-0.236 χ^2/NDF:766542.2/32

Out: 1510.127+/-0.233 χ^2/NDF:600848.1/35

All: 1516.283+/-0.166 χ^2/NDF: 1368805.0/68


asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 445.121+/-274.737 χ²/NDF: 19.2/15
Left Out: 267.260+/-125.943 χ²/NDF:35.3/17
Right Out: -372.538+/-231.353 χ²/NDF: 14.0/17
Left In: -186.062+/-132.241 χ²/NDF:10.1/16
Left: 51.650+/-91.200 χ²/NDF: 51.6/34
Right: -33.290+/-176.966 χ²/NDF: 38.4/33
In: -67.335+/-119.156 χ²/NDF:33.6/32
Out: 121.002+/-110.615 χ²/NDF:55.2/35
All: 33.825+/-81.068 χ²/NDF: 90.2/68

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: 452.775+/-0.089 χ^2/NDF:2223685.6/17

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 475.117+/-0.094 χ^2/NDF:2075830.2/16

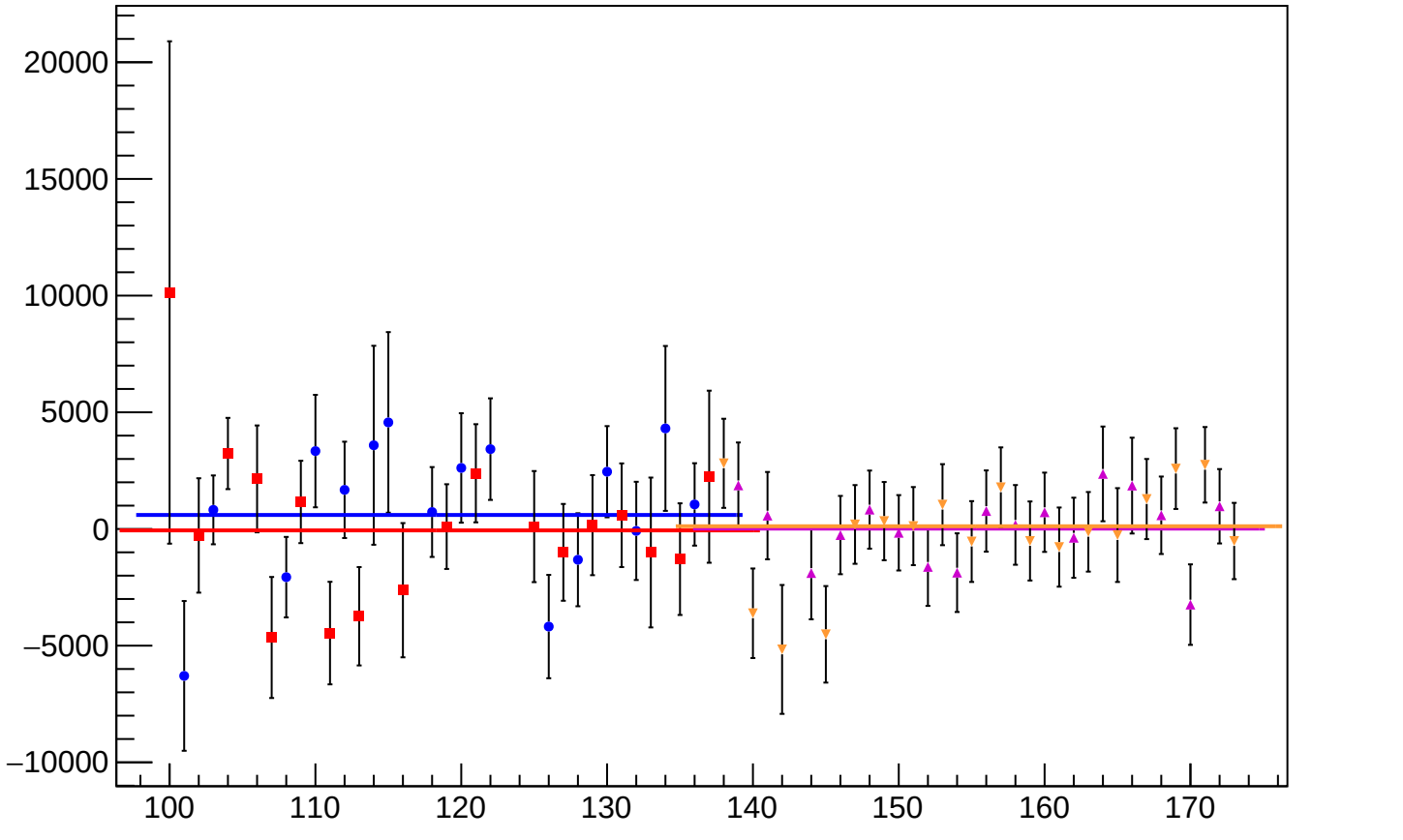
Left: 463.402+/-0.064 χ^2/NDF: 4329451.4/34

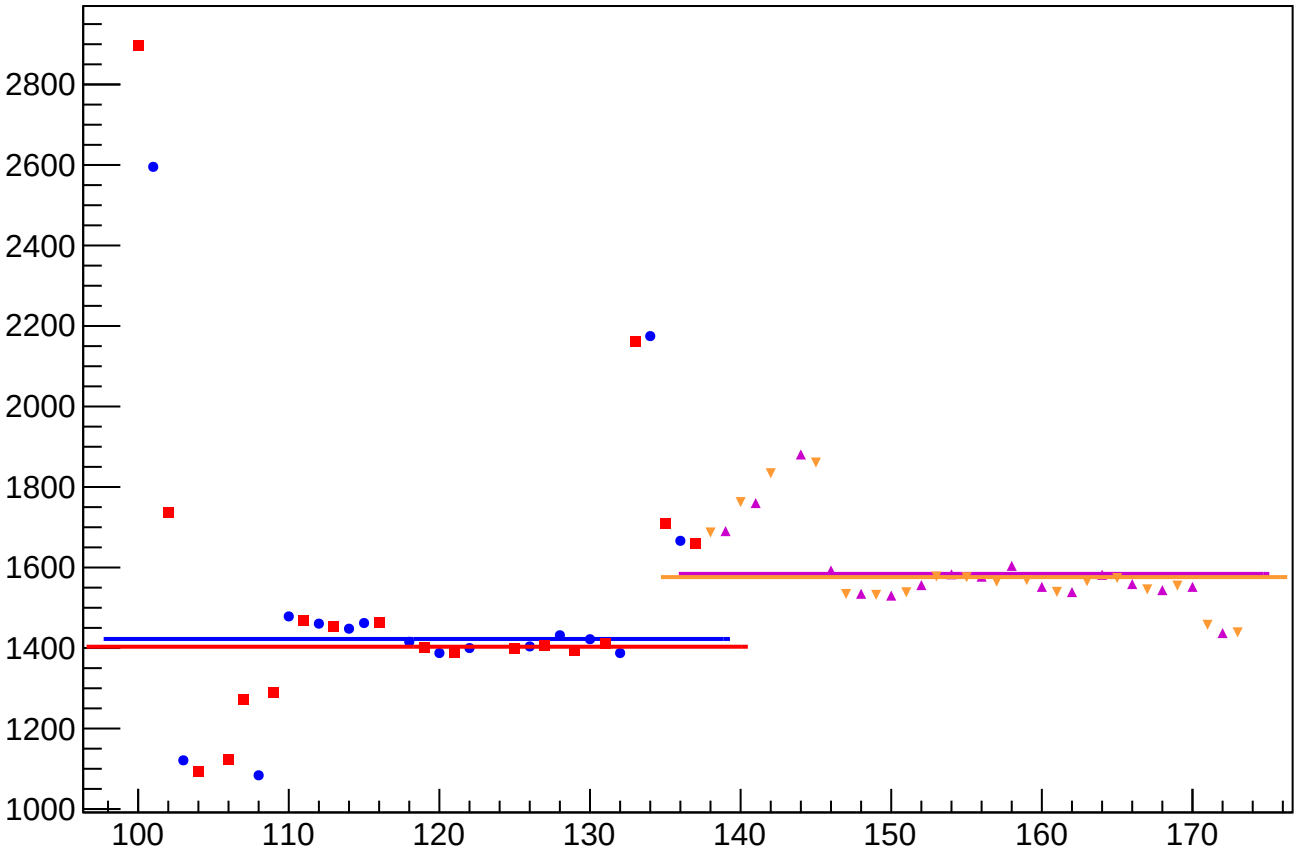
Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 504.769+/-0.084 χ^2/NDF:6378132.1/32

Out: 462.515+/-0.078 χ^2/NDF:6613491.4/35

All: 482.073+/-0.057 χ^2/NDF: 13126710.3/68


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
170
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: 117.216+/-418.900 χ²/NDF:21.6/17
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: 16.625+/-423.609 χ²/NDF:11.1/16
Left: 67.483+/-297.858 χ²/NDF: 32.7/34
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 238.842+/-333.307 χ²/NDF:32.2/32
Out: 49.384+/-329.314 χ²/NDF:42.0/35
All: 142.971+/-234.259 χ²/NDF: 74.4/68



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1576.205+/-0.296 χ^2/NDF:111454.2/17

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1584.159+/-0.300 χ^2/NDF:95355.2/16

Left: 1580.138+/-0.211 χ^2/NDF: 207165.9/34

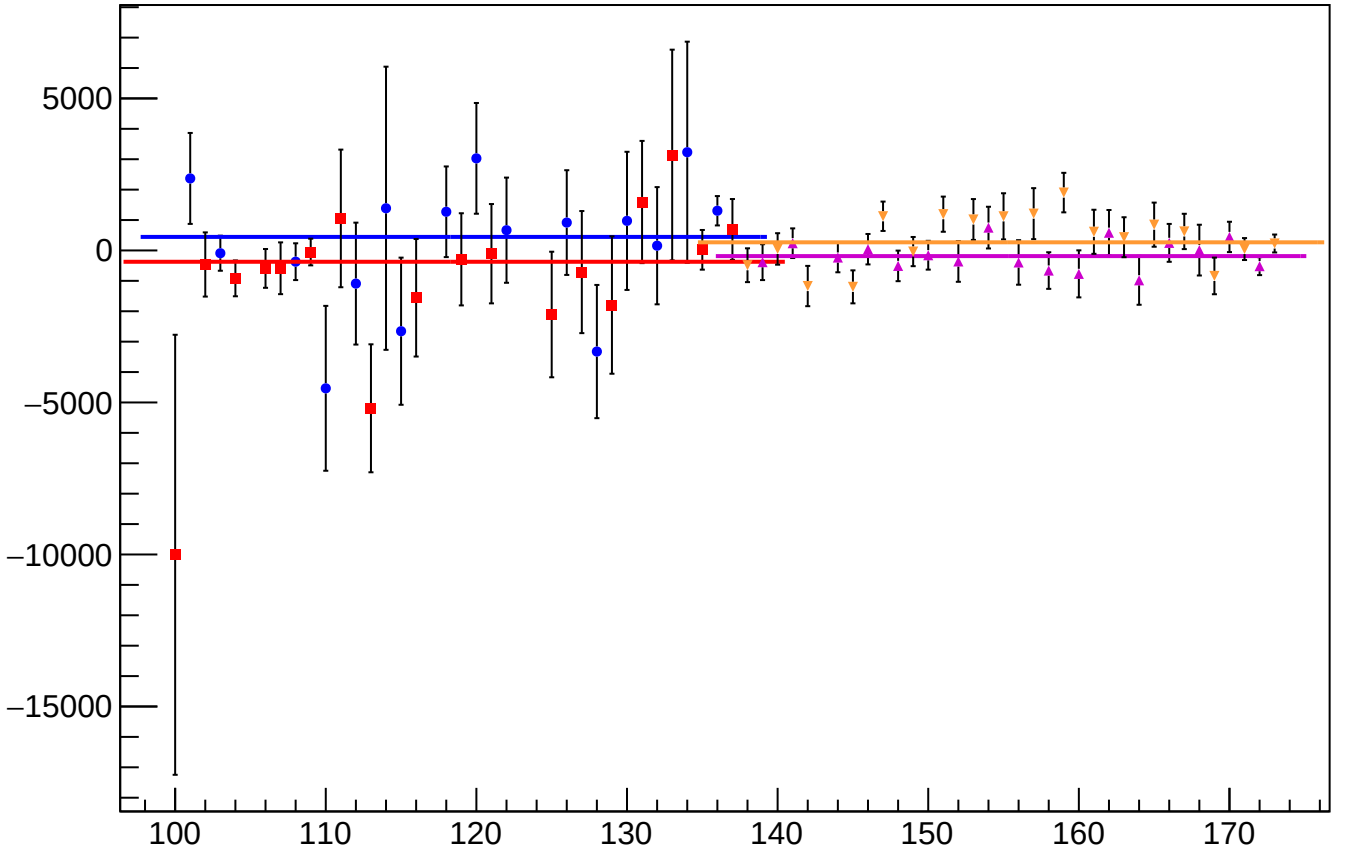
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1522.588+/-0.236 χ^2/NDF:766542.2/32

Out: 1510.127+/-0.233 χ^2/NDF:600848.1/35

All: 1516.283+/-0.166 χ^2/NDF: 1368805.0/68

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 267.260+/-125.943 χ^2/NDF:35.3/17

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -186.062+/-132.241 χ^2/NDF:10.1/16

Left: 51.650+/-91.200 χ^2/NDF: 51.6/34

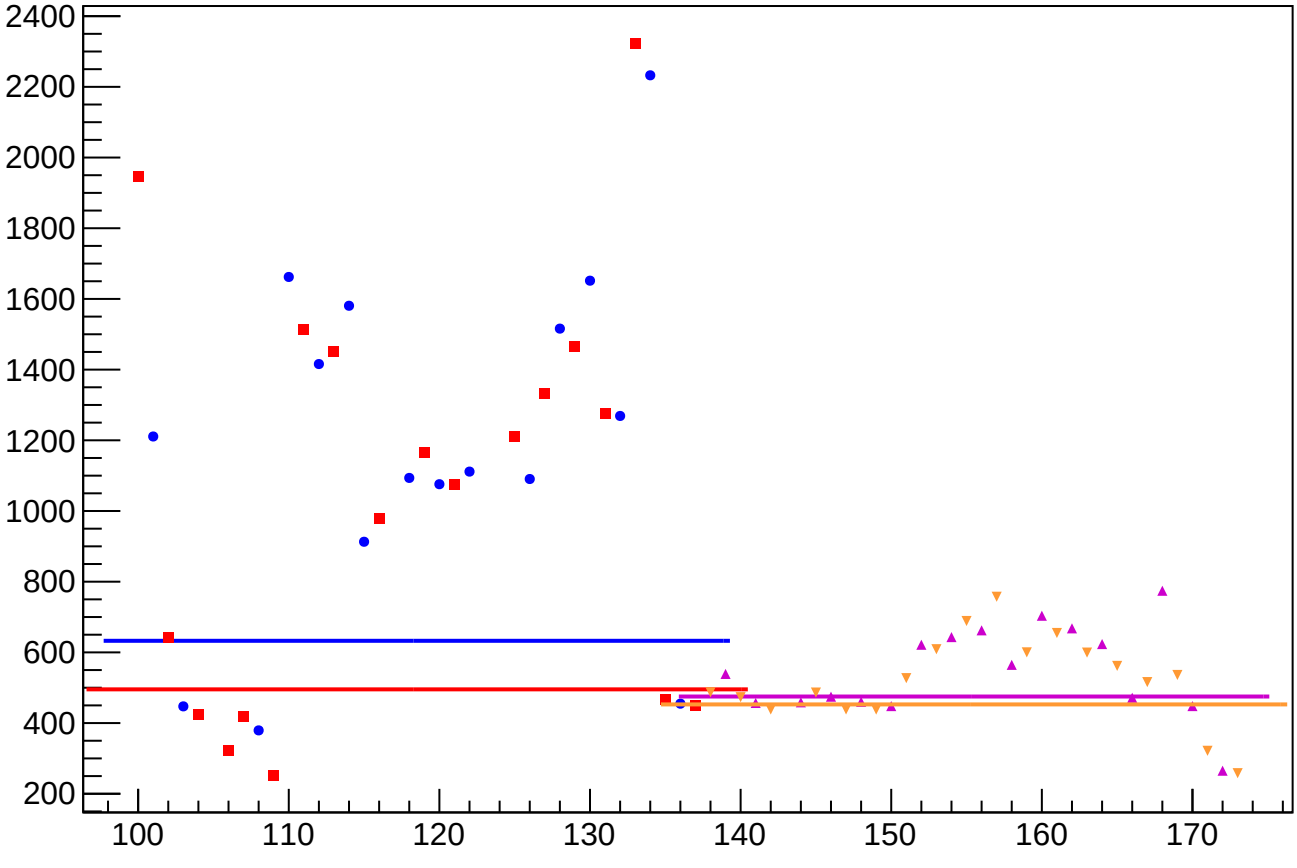
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -67.335+/-119.156 χ^2/NDF:33.6/32

Out: 121.002+/-110.615 χ^2/NDF:55.2/35

All: 33.825+/-81.068 χ^2/NDF: 90.2/68

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: 452.775+/-0.089 χ^2/NDF:2223685.6/17

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 475.117+/-0.094 χ^2/NDF:2075830.2/16

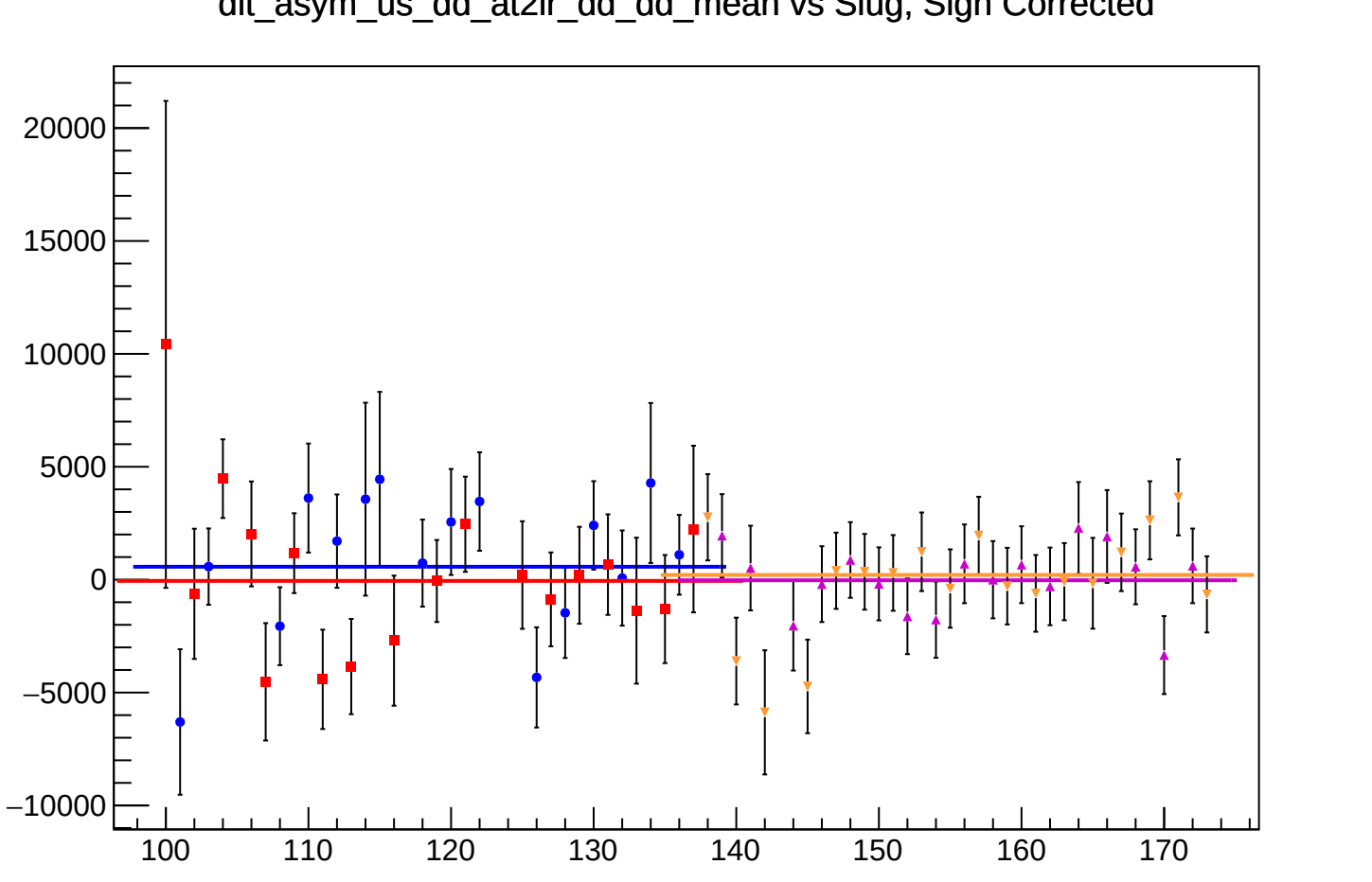
Left: 463.402+/-0.064 χ^2/NDF: 4329451.4/34

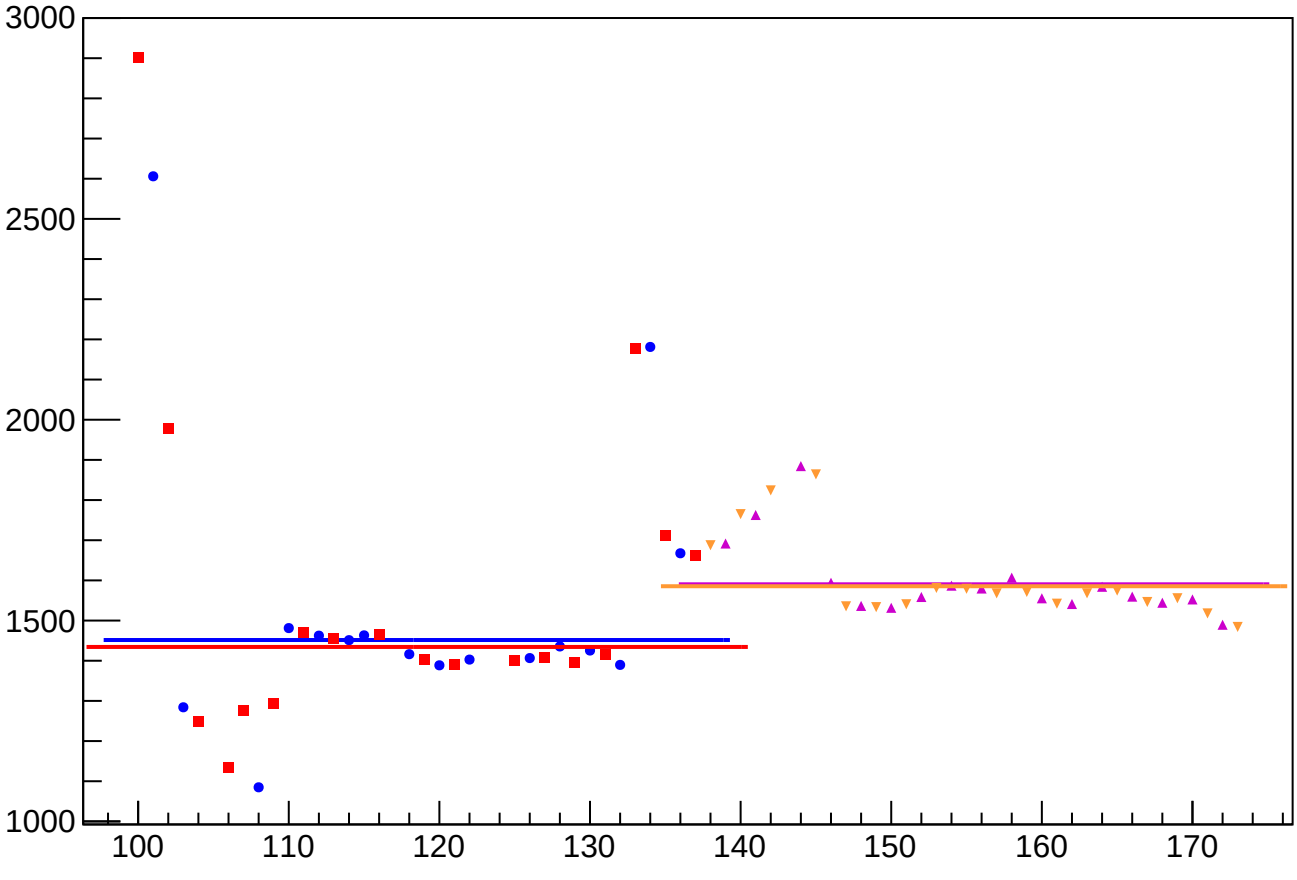
Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 504.769+/-0.084 χ^2/NDF:6378132.1/32

Out: 462.515+/-0.078 χ^2/NDF:6613491.4/35

All: 482.073+/-0.057 χ^2/NDF: 13126710.3/68


dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 572.289+/-549.638 χ²/NDF: 20.8/15
Left Out: 209.013+/-421.231 χ²/NDF:24.9/17
Right Out: -53.754+/-545.353 χ²/NDF: 22.5/17
Left In: -26.818+/-425.168 χ²/NDF:11.1/16
Left: 92.195+/-299.237 χ²/NDF: 36.1/34
Right: 256.817+/-387.129 χ²/NDF: 43.9/33
In: 197.465+/-336.296 χ²/NDF:32.6/32
Out: 110.825+/-333.366 χ²/NDF:47.6/35
All: 153.766+/-236.755 χ²/NDF: 80.2/68



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1585.449+/-0.298 χ^2/NDF:93523.7/17

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1590.264+/-0.301 χ^2/NDF:85455.6/16

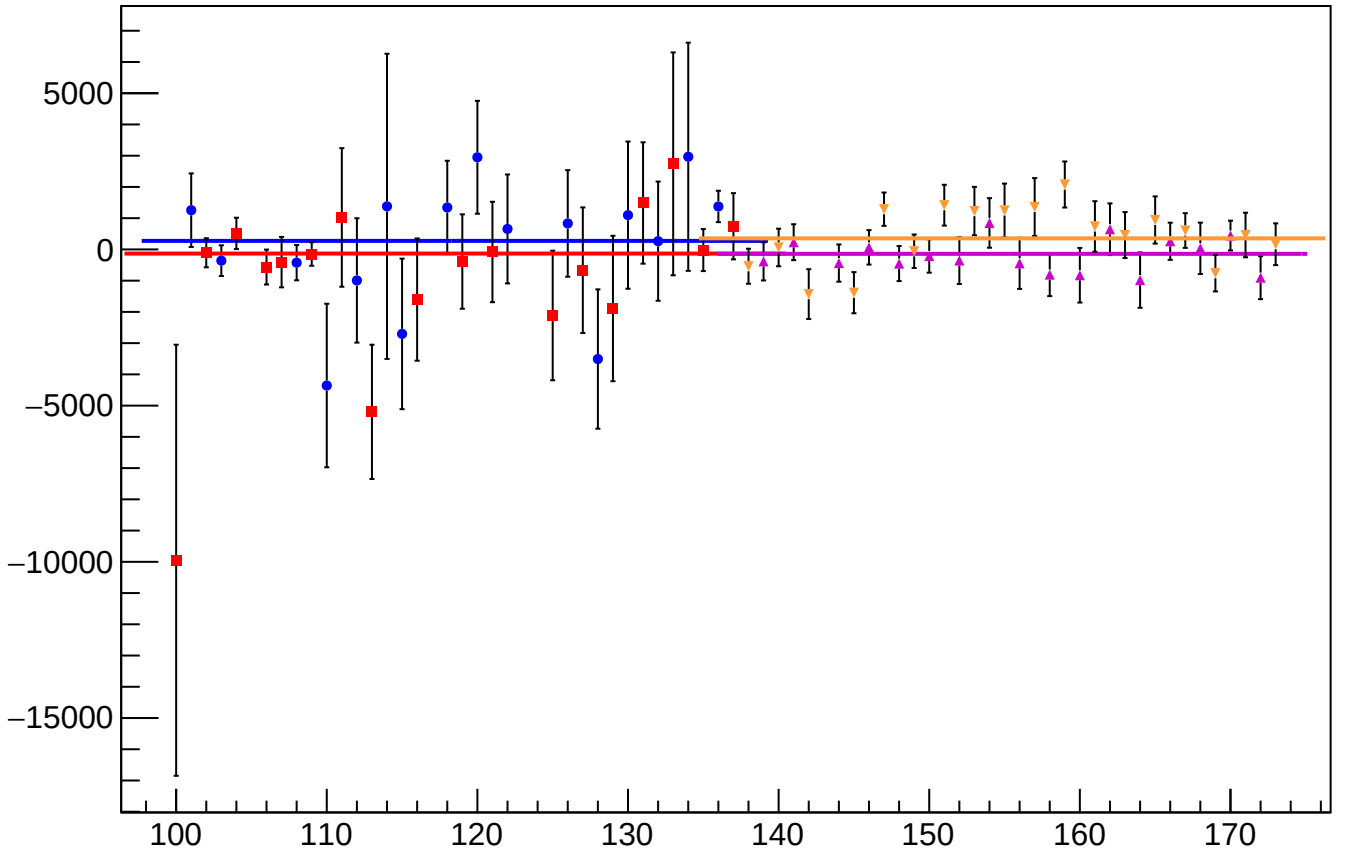
Left: 1587.834+/-0.212 χ^2/NDF: 179108.7/34

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1538.346+/-0.238 χ^2/NDF:652955.6/32

Out: 1528.977+/-0.236 χ^2/NDF:518312.1/35

All: 1533.620+/-0.167 χ^2/NDF: 1172050.7/68



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 354.405+/-156.735 χ^2/NDF:34.8/17

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -141.416+/-157.518 χ^2/NDF:9.6/16

Left: 107.731+/-111.104 χ^2/NDF: 49.5/34

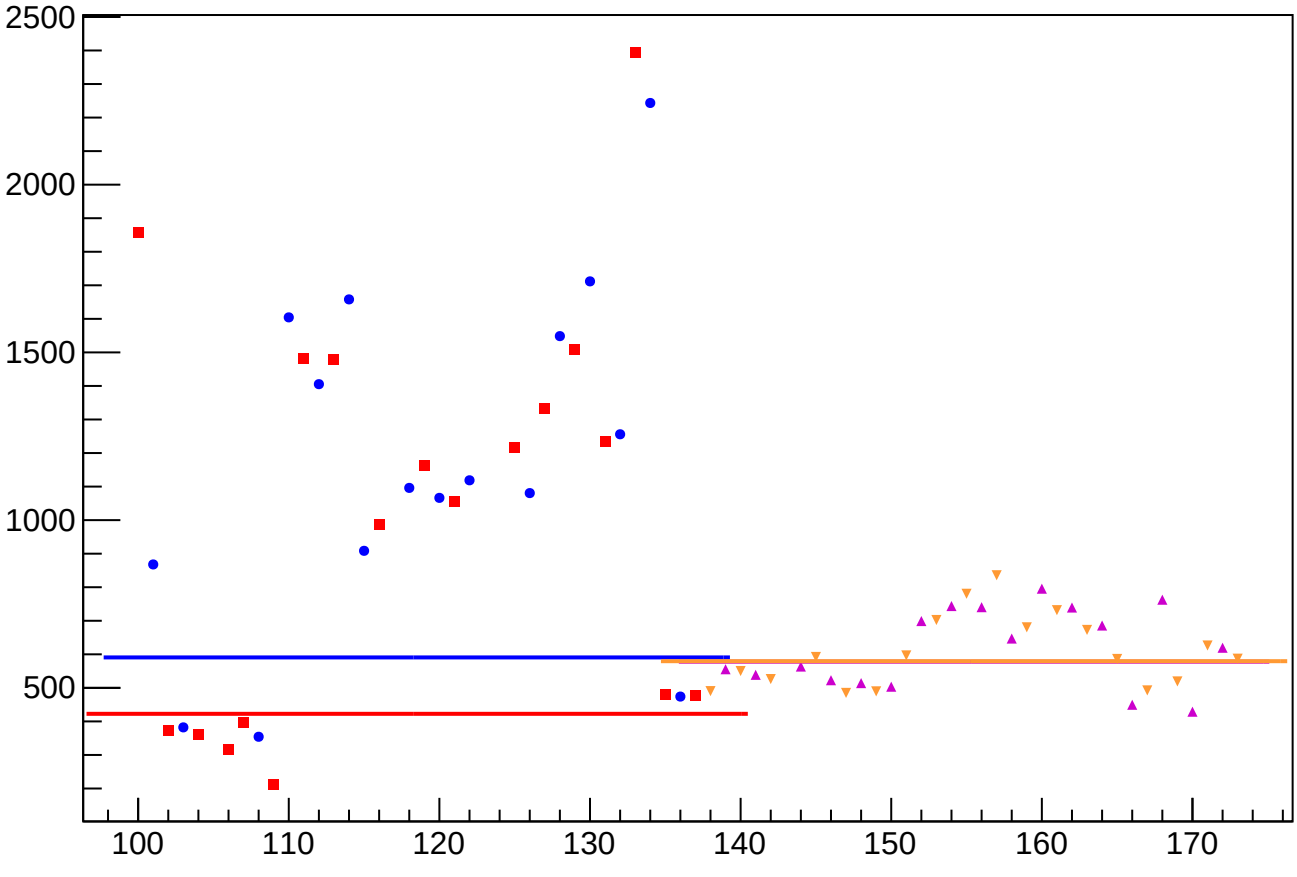
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: -30.366+/-134.797 χ^2/NDF:31.7/32

Out: 164.383+/-122.393 χ^2/NDF:53.0/35

All: 76.379+/-90.613 χ^2/NDF: 85.9/68

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: 579.539+/-0.111 χ^2/NDF:718236.9/17

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 578.031+/-0.111 χ^2/NDF:962399.1/16

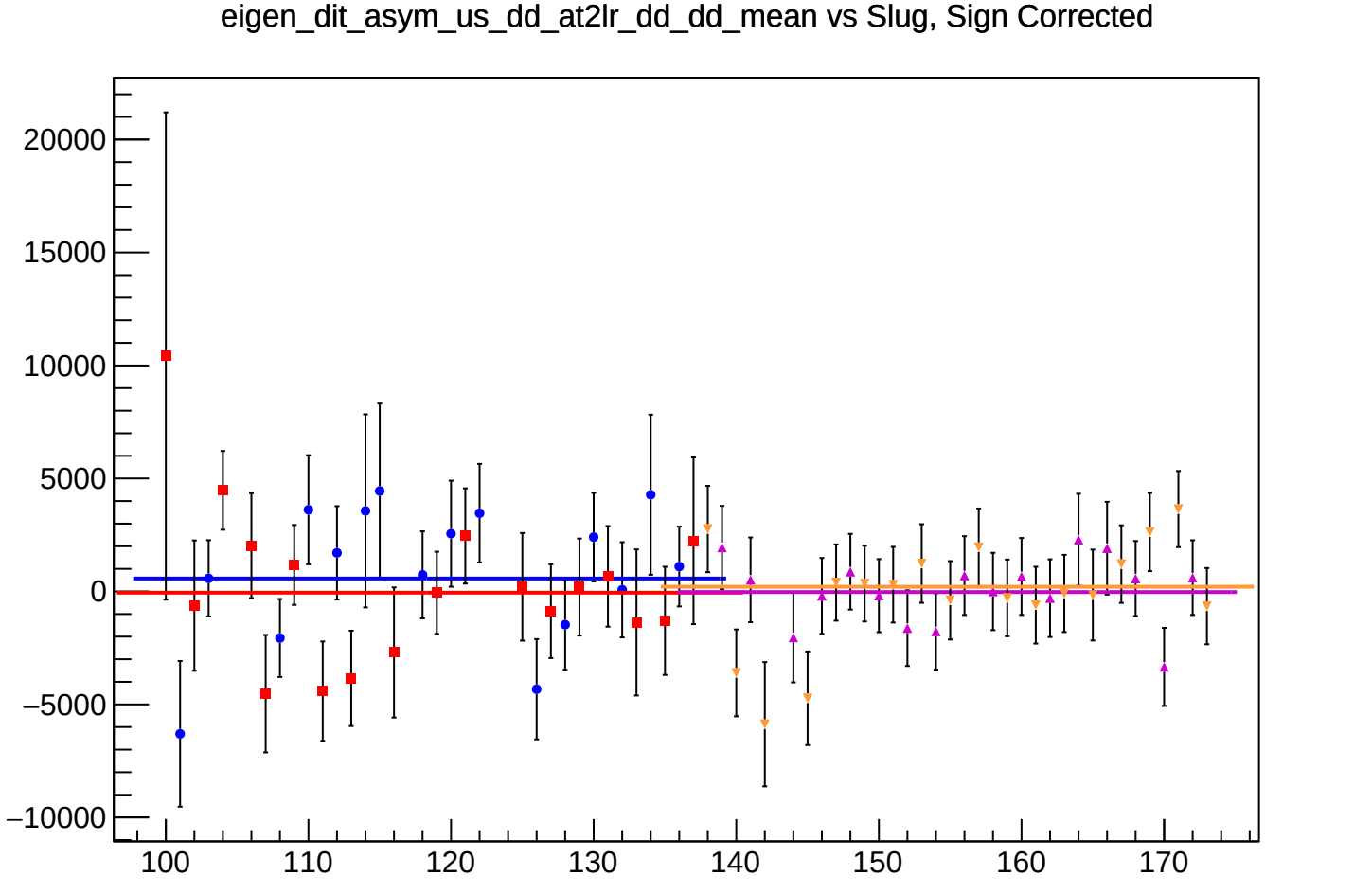
Left: 578.789+/-0.079 χ^2/NDF: 1680728.0/34

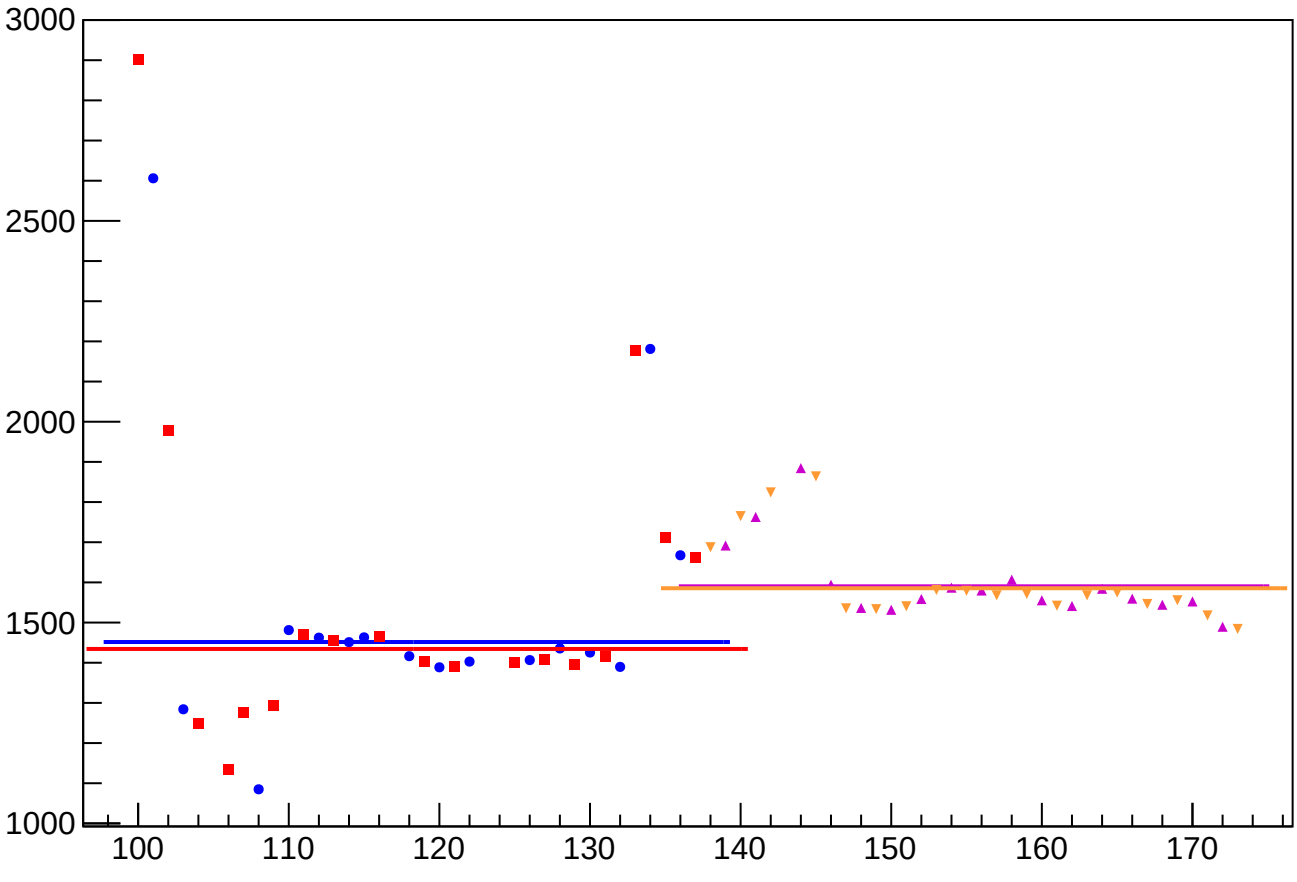
Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 581.435+/-0.095 χ^2/NDF:4851391.1/32

Out: 518.311+/-0.087 χ^2/NDF:6358411.8/35

All: 546.836+/-0.064 χ^2/NDF: 11450203.9/68


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 572.290+/-549.638 χ²/NDF: 20.8/15
Left Out: 209.008+/-421.231 χ²/NDF:24.9/17
Right Out: -53.752+/-545.353 χ²/NDF: 22.5/17
Left In: -26.815+/-425.168 χ²/NDF:11.1/16
Left: 92.193+/-299.237 χ²/NDF: 36.1/34
Right: 256.819+/-387.129 χ²/NDF: 43.9/33
In: 197.467+/-336.296 χ²/NDF:32.6/32
Out: 110.822+/-333.366 χ²/NDF:47.6/35
All: 153.765+/-236.755 χ²/NDF: 80.2/68



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1585.448+/-0.298 χ^2/NDF:93524.5/17

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1590.264+/-0.301 χ^2/NDF:85456.3/16

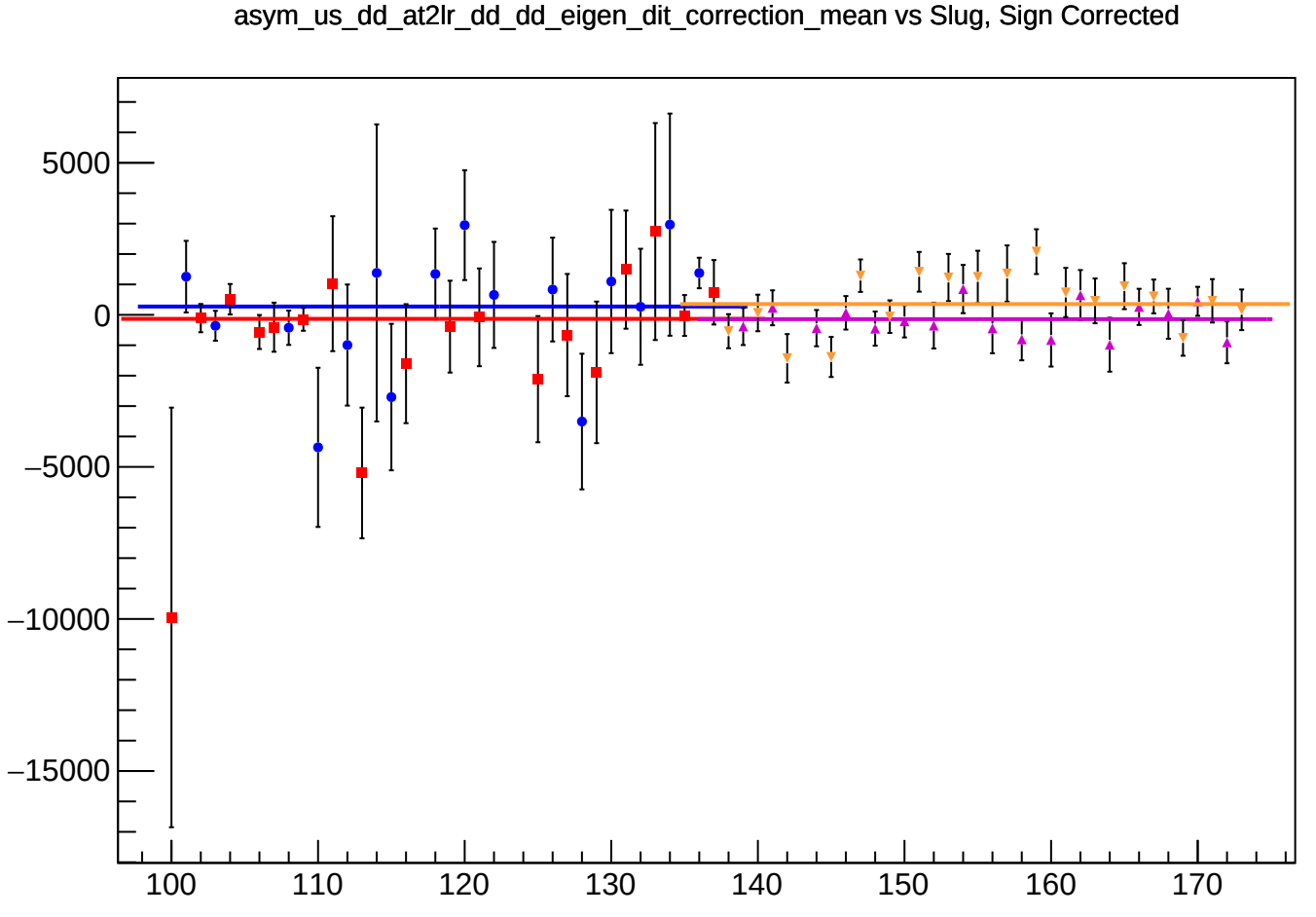
Left: 1587.834+/-0.212 χ^2/NDF: 179110.2/34

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1538.345+/-0.238 χ^2/NDF:652955.6/32

Out: 1528.976+/-0.236 χ^2/NDF:518312.7/35

All: 1533.620+/-0.167 χ^2/NDF: 1172051.2/68



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 354.413+/-156.735 χ^2/NDF:34.8/17

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -141.418+/-157.518 χ^2/NDF:9.6/16

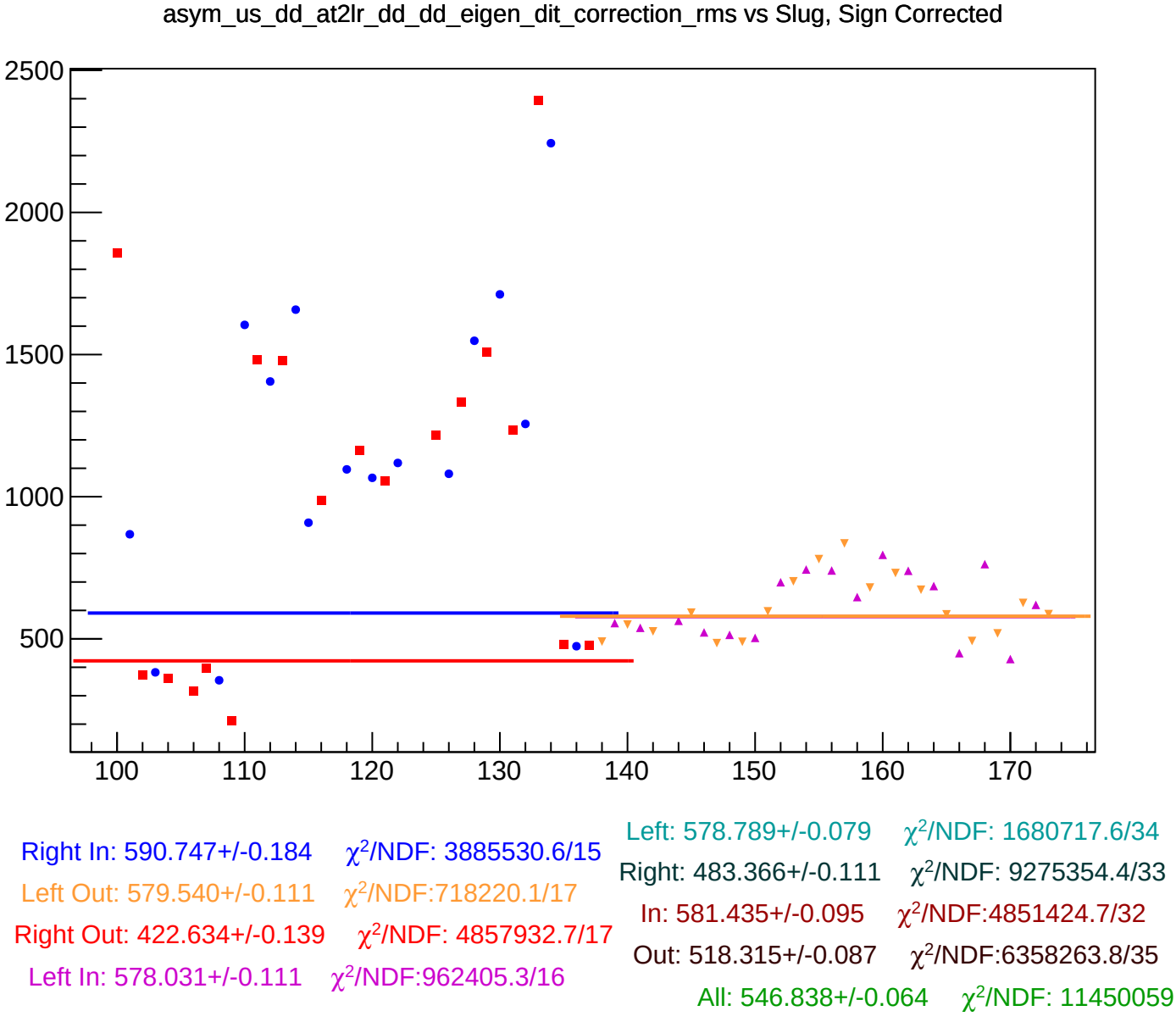
Left: 107.733+/-111.104 χ^2/NDF: 49.5/34

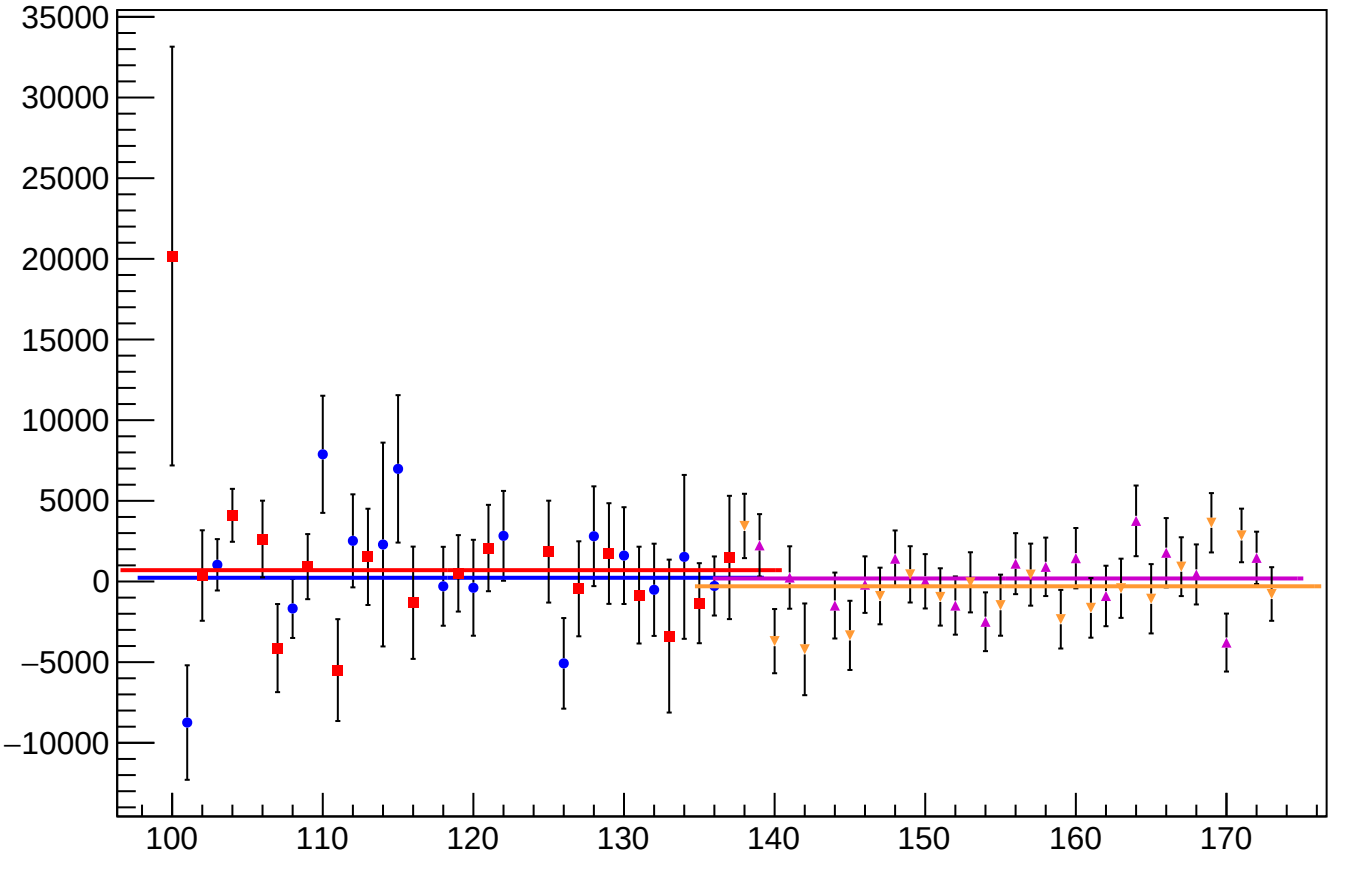
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: -30.369+/-134.797 χ^2/NDF:31.7/32

Out: 164.391+/-122.393 χ^2/NDF:53.0/35

All: 76.382+/-90.614 χ^2/NDF: 85.9/68


asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
Right In: 590.747+/-0.184 χ²/NDF: 3885530.6/15
Left Out: 579.540+/-0.111 χ²/NDF:718220.1/17
Right Out: 422.634+/-0.139 χ²/NDF: 4857932.7/17
Left In: 578.031+/-0.111 χ²/NDF:962405.3/16
Left: 578.789+/-0.079 χ²/NDF: 1680717.6/34
Right: 483.366+/-0.111 χ²/NDF: 9275354.4/33
In: 581.435+/-0.095 χ²/NDF:4851424.7/32
Out: 518.315+/-0.087 χ²/NDF:6358263.8/35
All: 546.838+/-0.064 χ²/NDF: 11450059.1/68



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -297.179+/-443.564 χ^2/NDF:21.9/17

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 187.446+/-449.673 χ^2/NDF:15.3/16

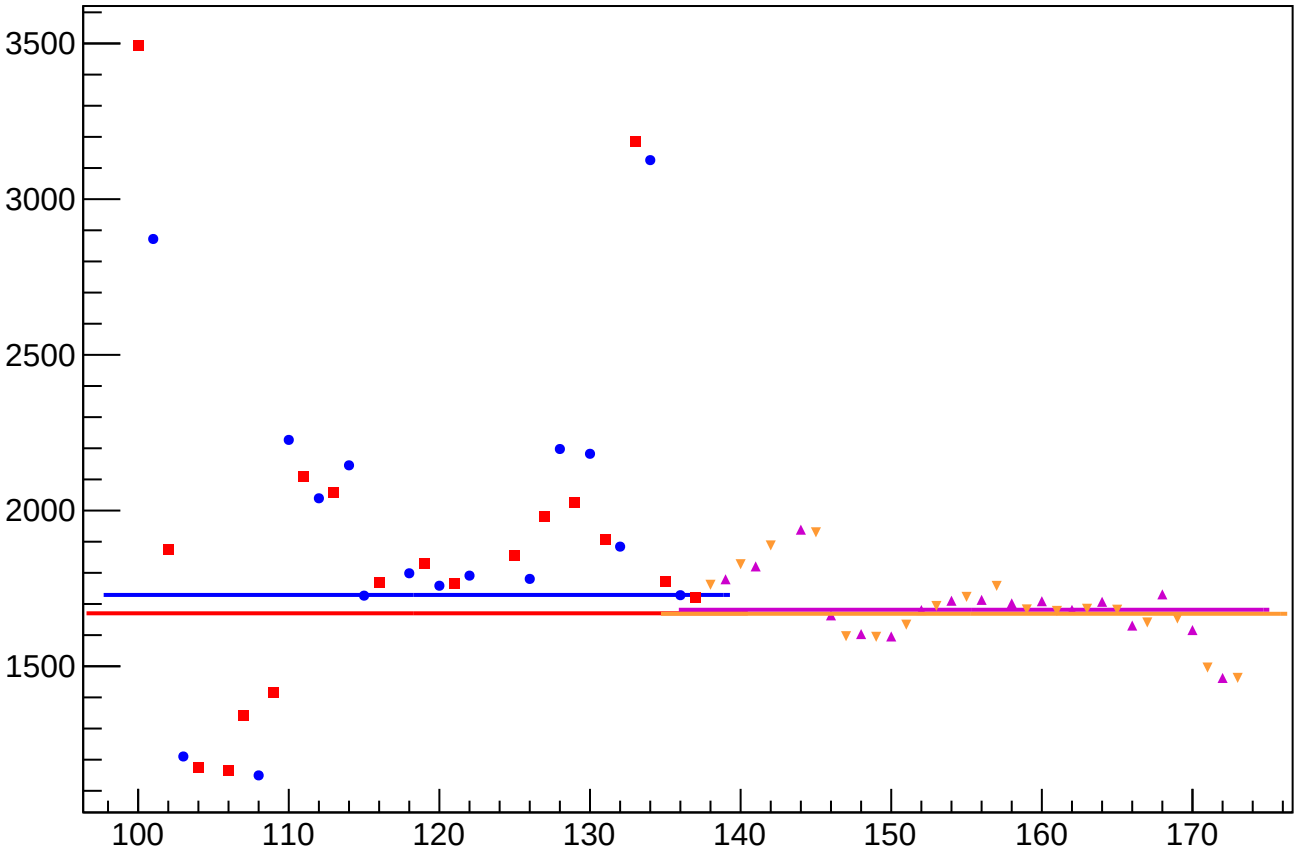
Left: -58.181+/-315.785 χ^2/NDF: 37.8/34

Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 201.002+/-372.721 χ^2/NDF:36.0/32

Out: 21.491+/-366.083 χ^2/NDF:40.6/35

All: 109.634+/-261.175 χ^2/NDF: 76.7/68



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1668.509+/-0.314 χ^2/NDF:126200.1/17

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1681.446+/-0.318 χ^2/NDF:100197.0/16

Left: 1674.889+/-0.223 χ^2/NDF: 227236.1/34

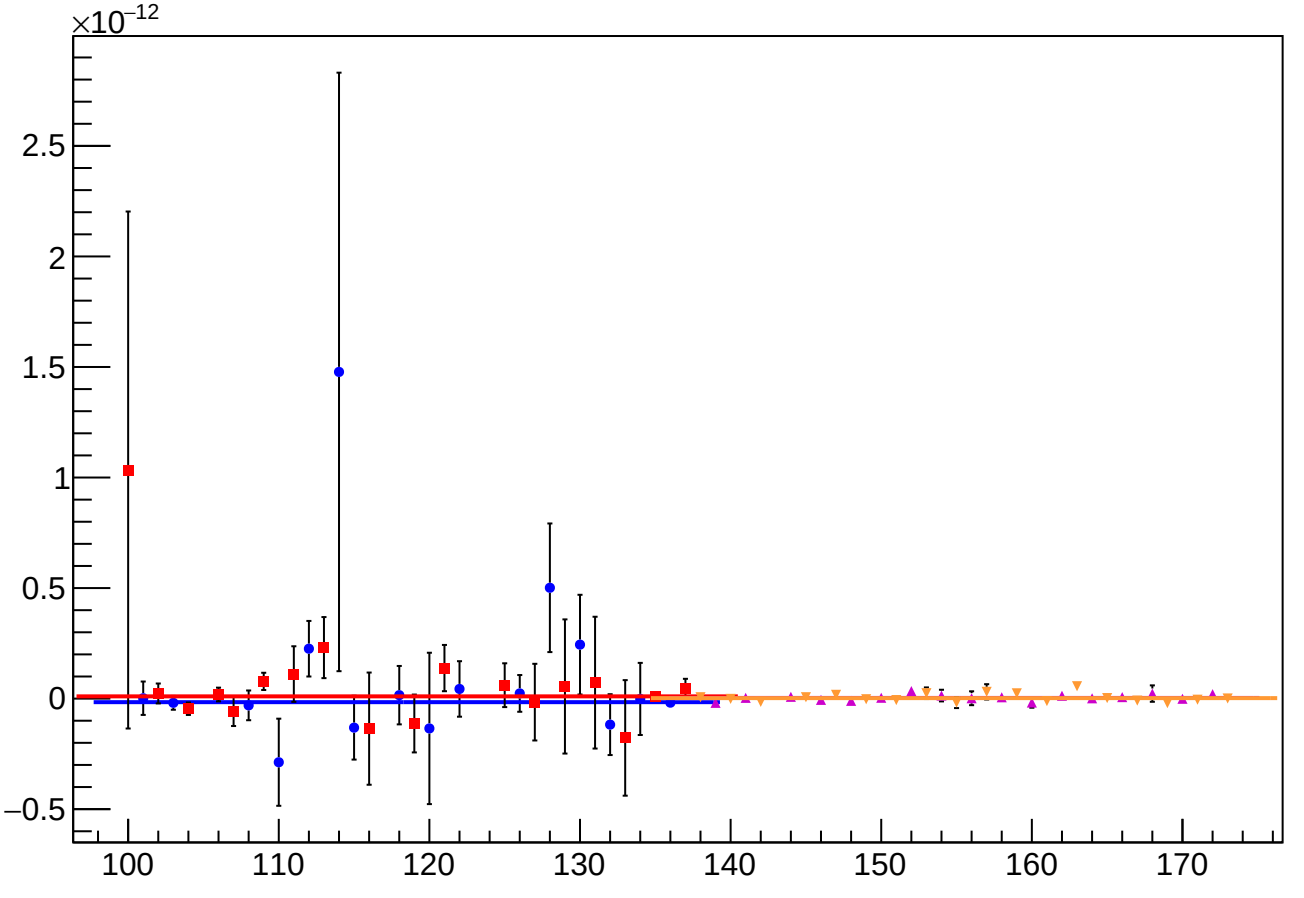
Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1696.345+/-0.264 χ^2/NDF:1049290.9/32

Out: 1669.002+/-0.259 χ^2/NDF:870659.9/35

All: 1682.428+/-0.185 χ^2/NDF: 1925429.1/68

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:9.2/16

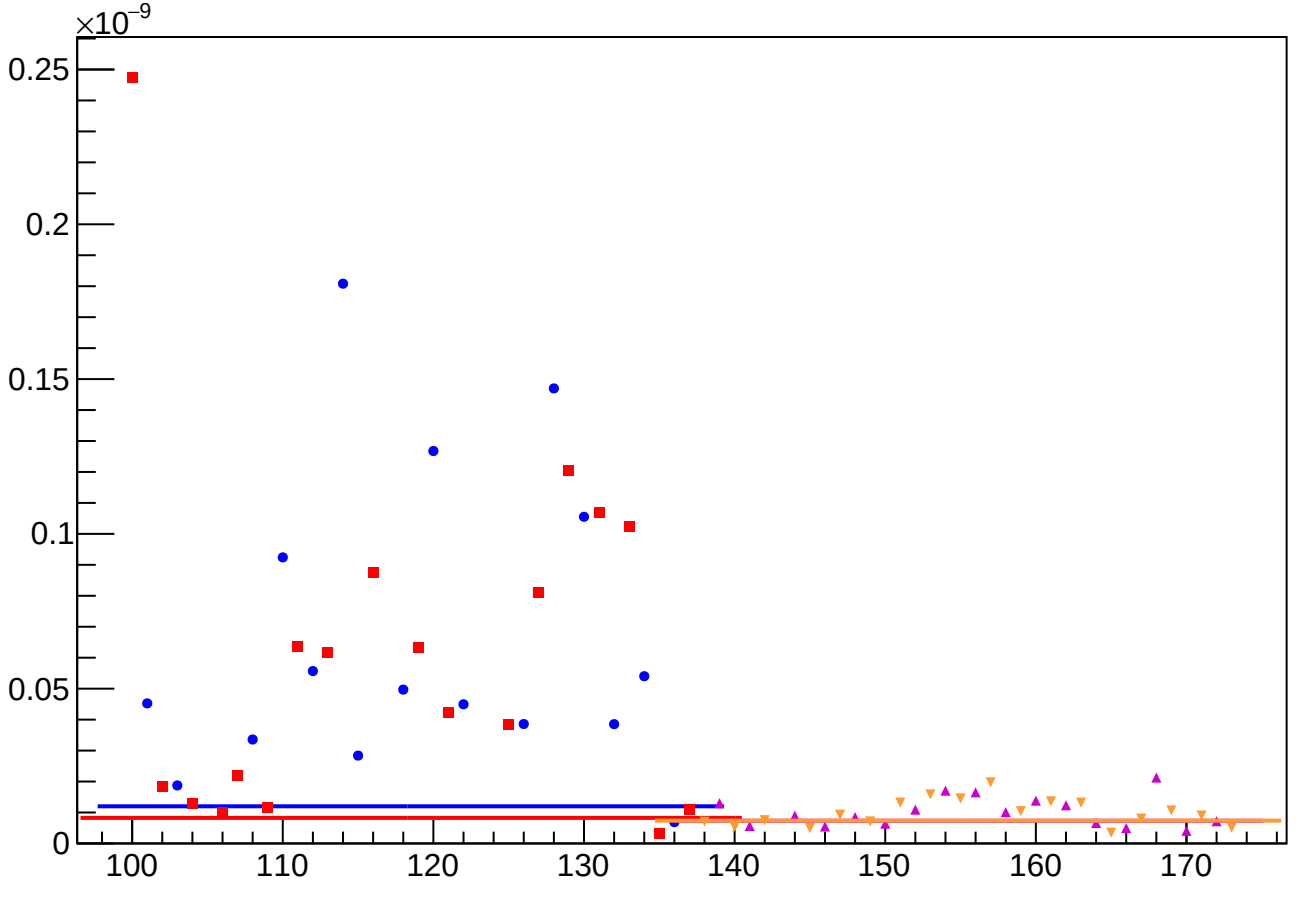
Left: 0.000+/-0.000 χ^2/NDF: 24.4/34

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: 0.000+/-0.000 χ^2/NDF:25.6/32

Out: 0.000+/-0.000 χ^2/NDF:32.3/35

All: 0.000+/-0.000 χ^2/NDF: 58.2/68



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1909116.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1885272.8/16

Left: 0.000+/-0.000 χ^2/NDF: 3794516.4/34

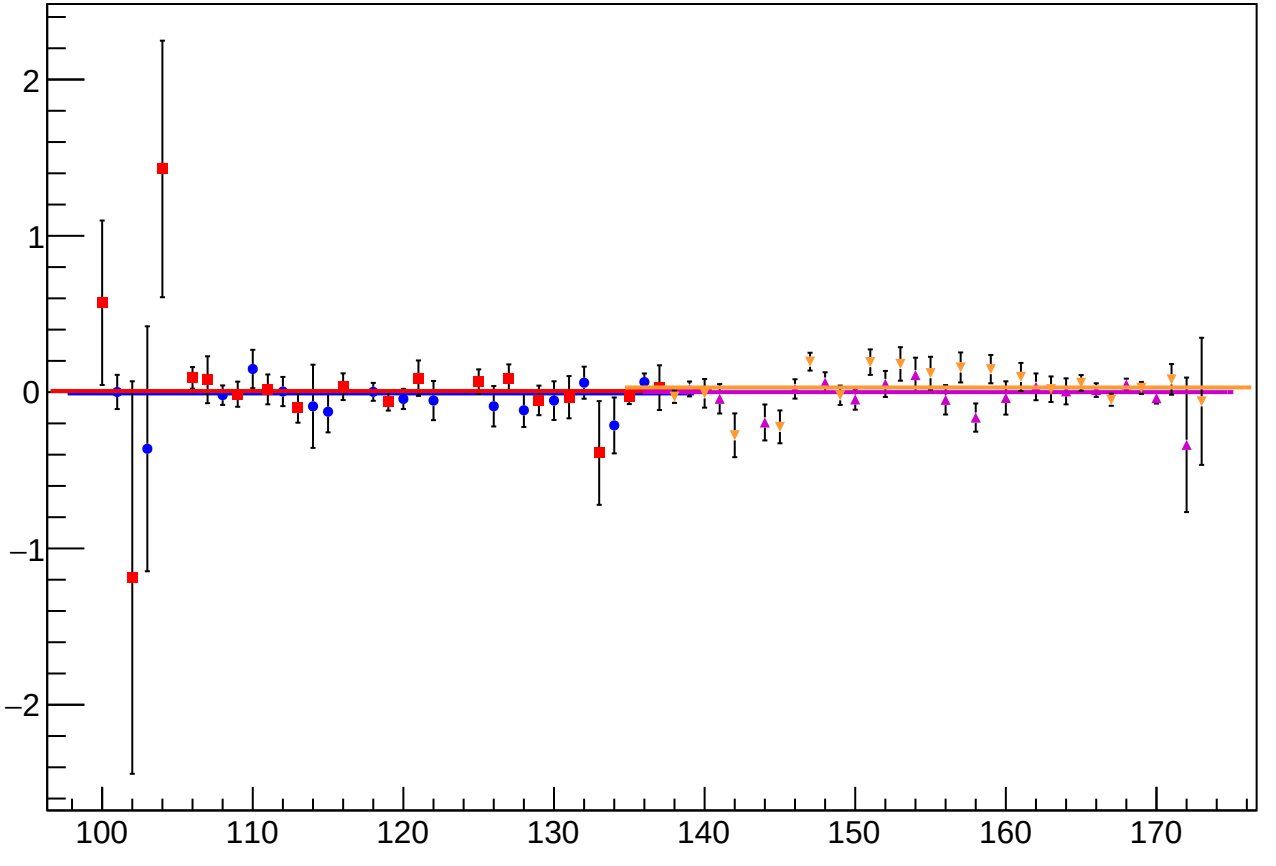
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:5685172.1/32

Out: 0.000+/-0.000 χ^2/NDF:5437230.4/35

All: 0.000+/-0.000 χ^2/NDF: 11131704.6/68

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: 0.030+/-0.016 χ^2/NDF:37.5/17

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.6/16

Left: 0.015+/-0.011 χ^2/NDF: 53.0/34

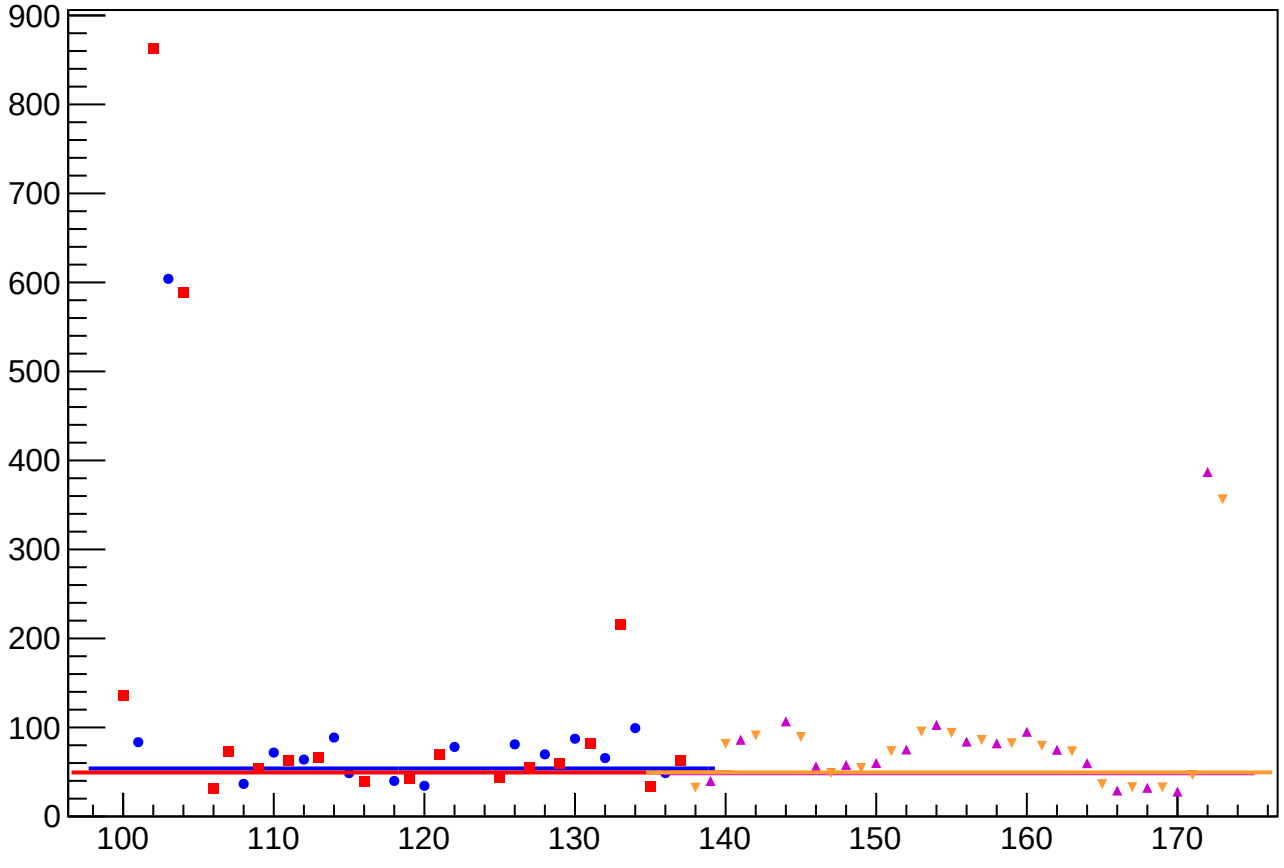
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.0/32

Out: 0.022+/-0.013 χ^2/NDF:51.9/35

All: 0.010+/-0.009 χ^2/NDF: 75.8/68

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 49.492+/-0.011 χ^2/NDF:4968804.4/17

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 48.532+/-0.011 χ^2/NDF:5626256.6/16

Left: 49.006+/-0.008 χ^2/NDF: 10598952.4/34

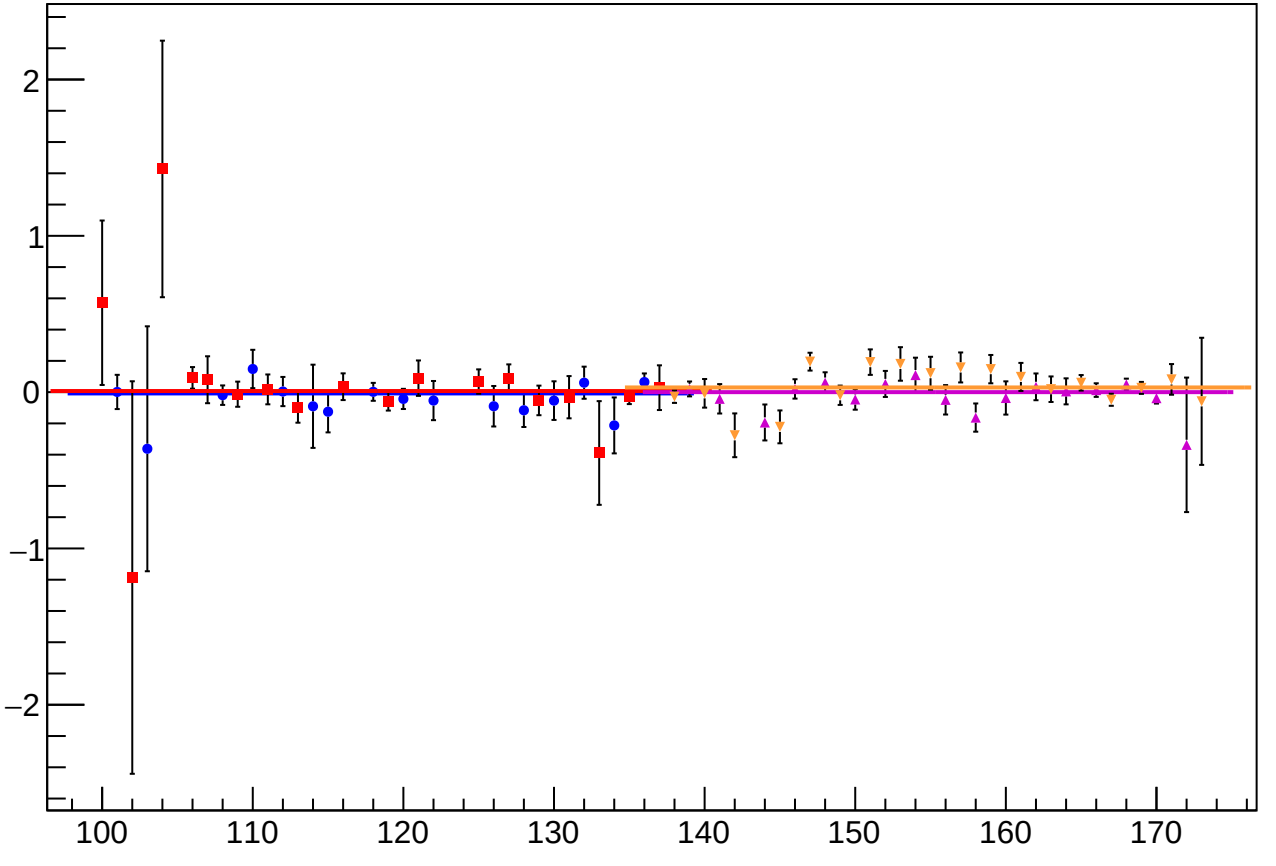
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 50.175+/-0.009 χ^2/NDF:7916393.2/32

Out: 49.469+/-0.009 χ^2/NDF:7986538.1/35

All: 49.821+/-0.006 χ^2/NDF: 15906008.3/68

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: 0.030+/-0.016 χ^2/NDF:37.5/17

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.6/16

Left: 0.015+/-0.011 χ^2/NDF: 53.0/34

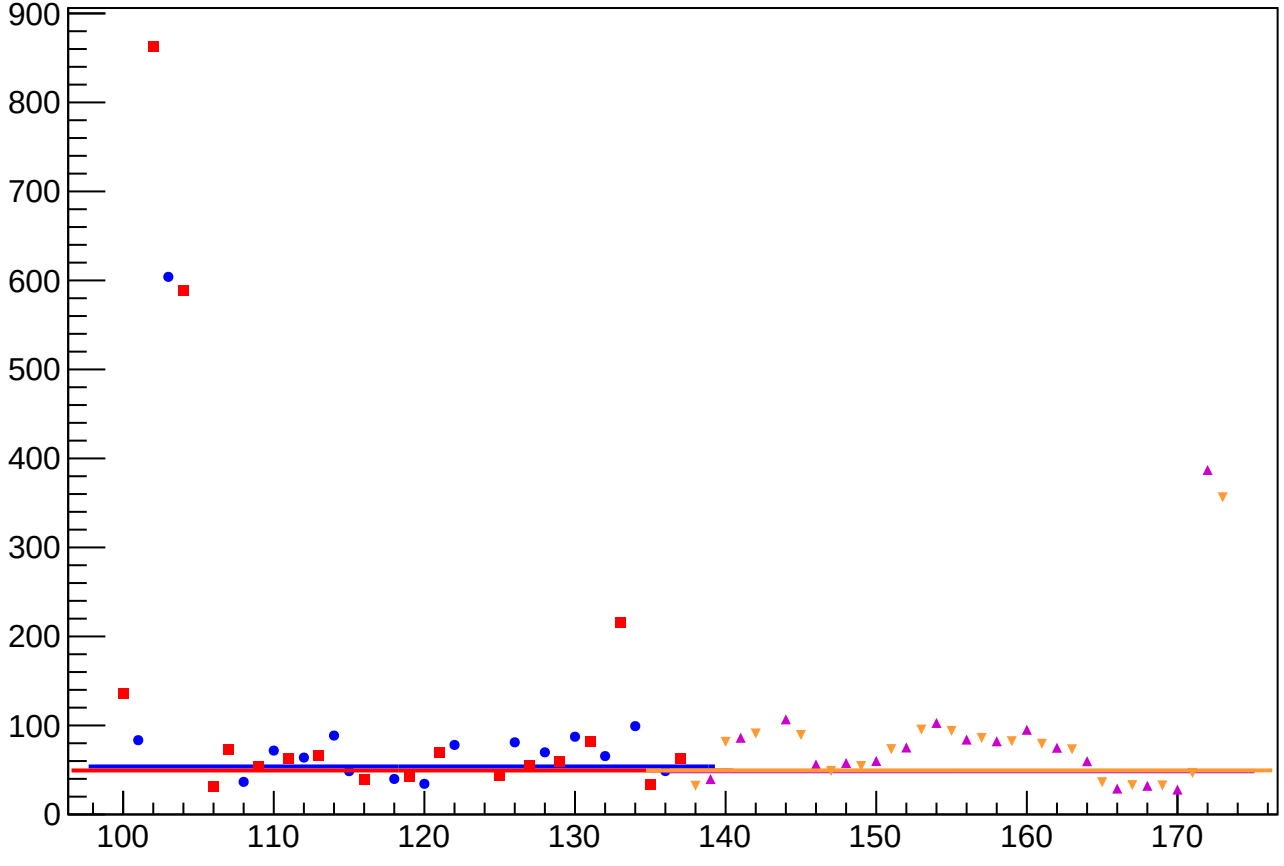
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.0/32

Out: 0.022+/-0.013 χ^2/NDF:51.9/35

All: 0.010+/-0.009 χ^2/NDF: 75.8/68

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: 49.492+/-0.011 χ^2/NDF:4968804.4/17

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 48.532+/-0.011 χ^2/NDF:5626256.6/16

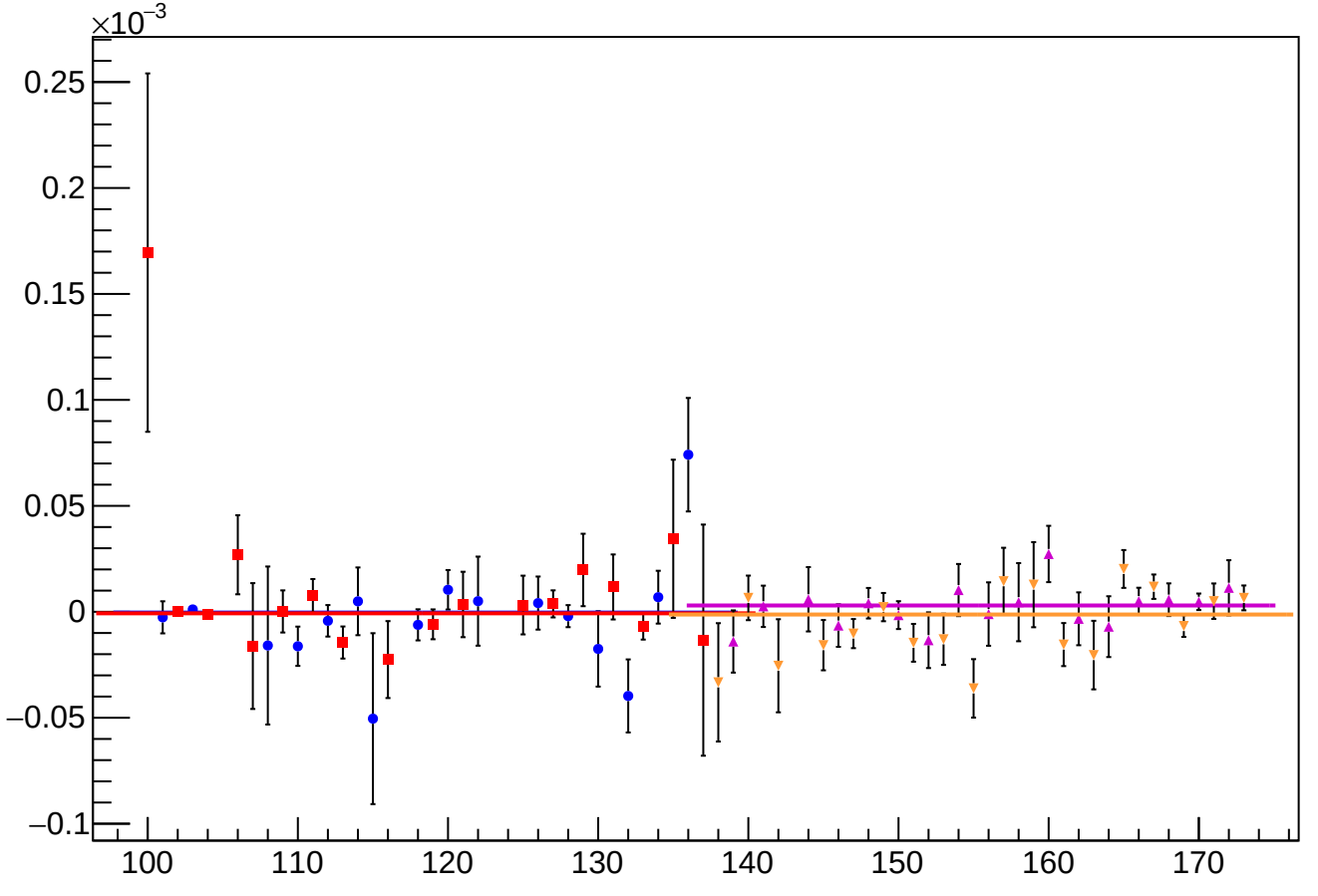
Left: 49.006+/-0.008 χ^2/NDF: 10598952.4/34

Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 50.175+/-0.009 χ^2/NDF:7916393.2/32

Out: 49.469+/-0.009 χ^2/NDF:7986538.1/35

All: 49.821+/-0.006 χ^2/NDF: 15906008.3/68



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:35.4/17

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:9.7/16

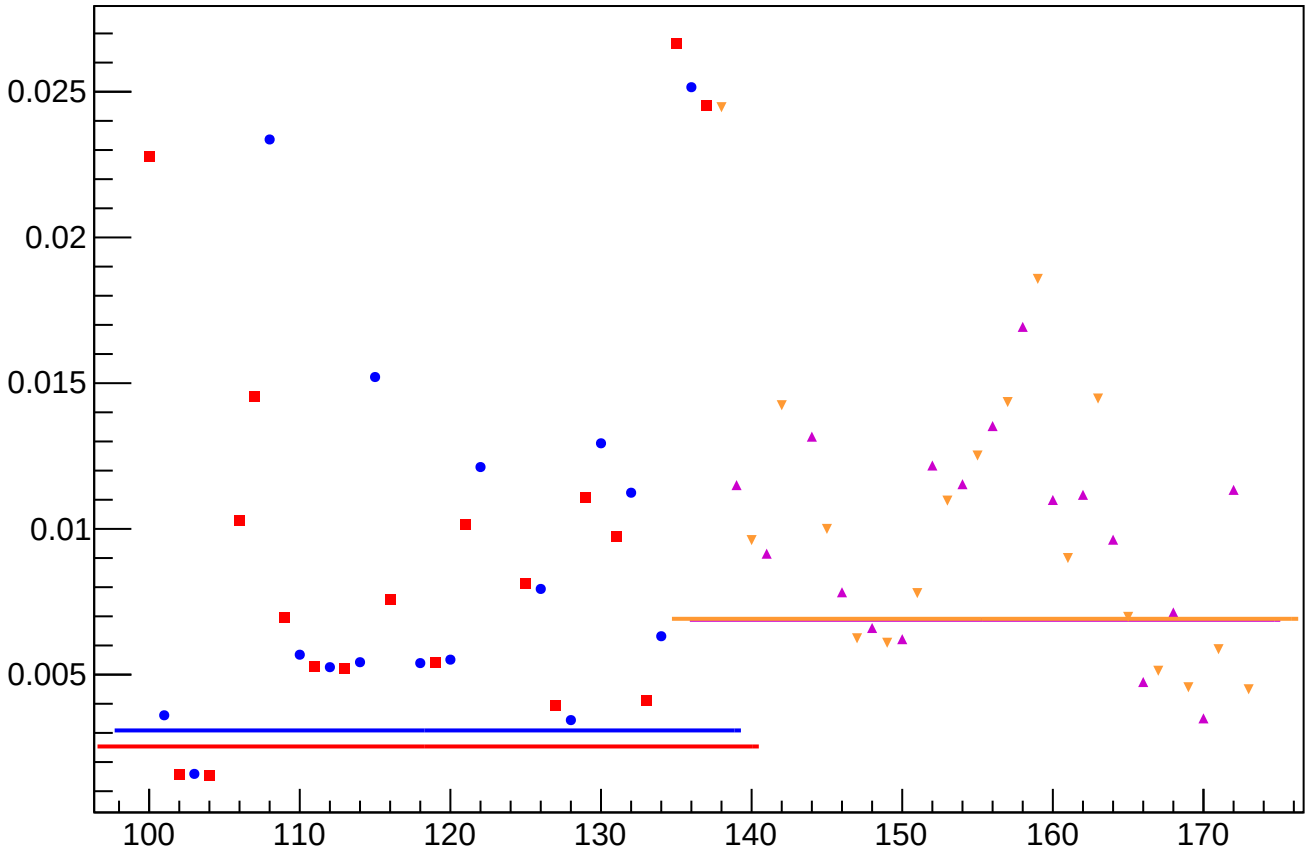
Left: 0.000+/-0.000 χ^2/NDF: 47.2/34

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

In: 0.000+/-0.000 χ^2/NDF:33.4/32

Out: -0.000+/-0.000 χ^2/NDF:53.3/35

All: -0.000+/-0.000 χ^2/NDF: 87.8/68



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.007+/-0.000 χ^2/NDF:4524612.0/17

Right Out: 0.003+/-0.000 χ^2/NDF: 6237059.6/17

Left In: 0.007+/-0.000 χ^2/NDF:4763660.9/16

Left: 0.007+/-0.000 χ^2/NDF: 9288531.4/34

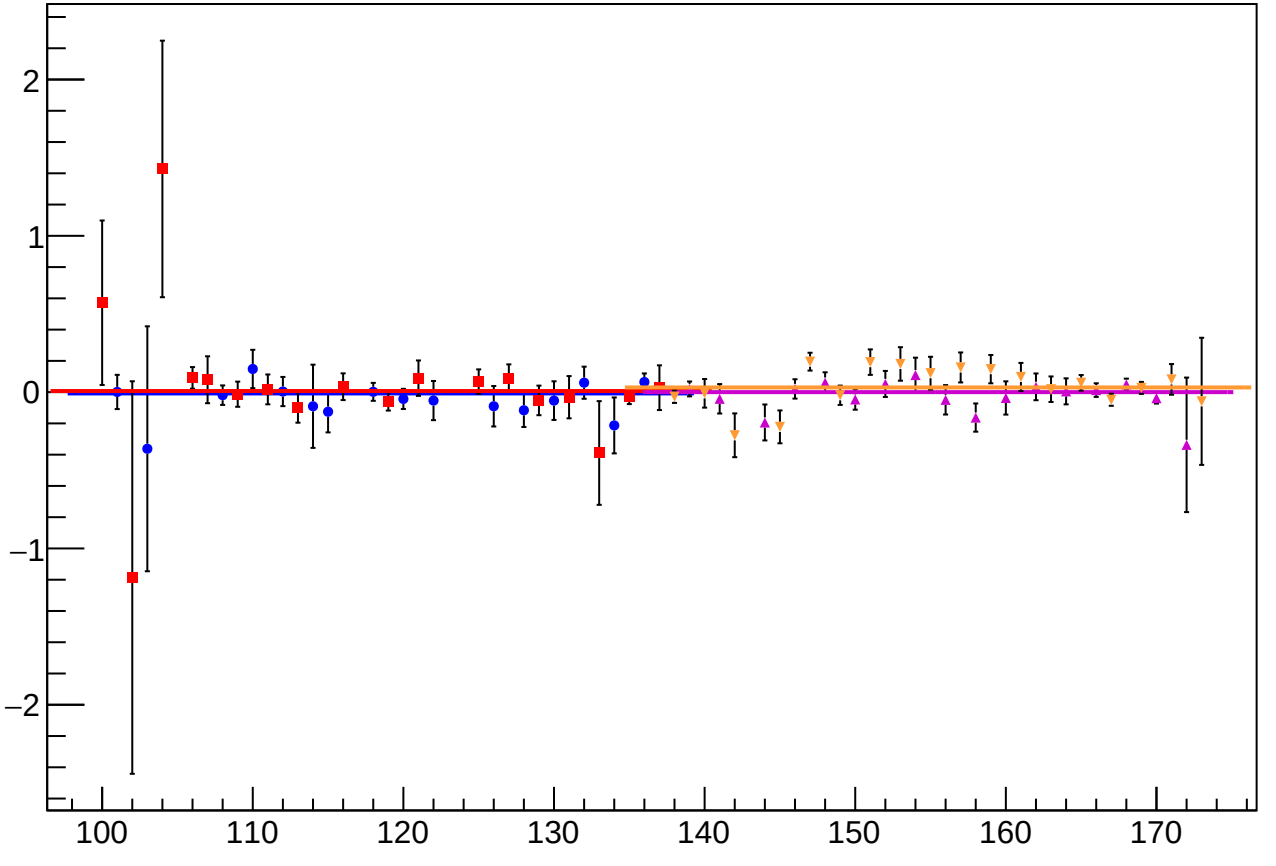
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.004+/-0.000 χ^2/NDF:14587358.7/32

Out: 0.004+/-0.000 χ^2/NDF:17241531.4/35

All: 0.004+/-0.000 χ^2/NDF: 32235086.5/68

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: 0.030+/-0.016 χ^2/NDF:37.5/17

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.6/16

Left: 0.015+/-0.011 χ^2/NDF: 53.0/34

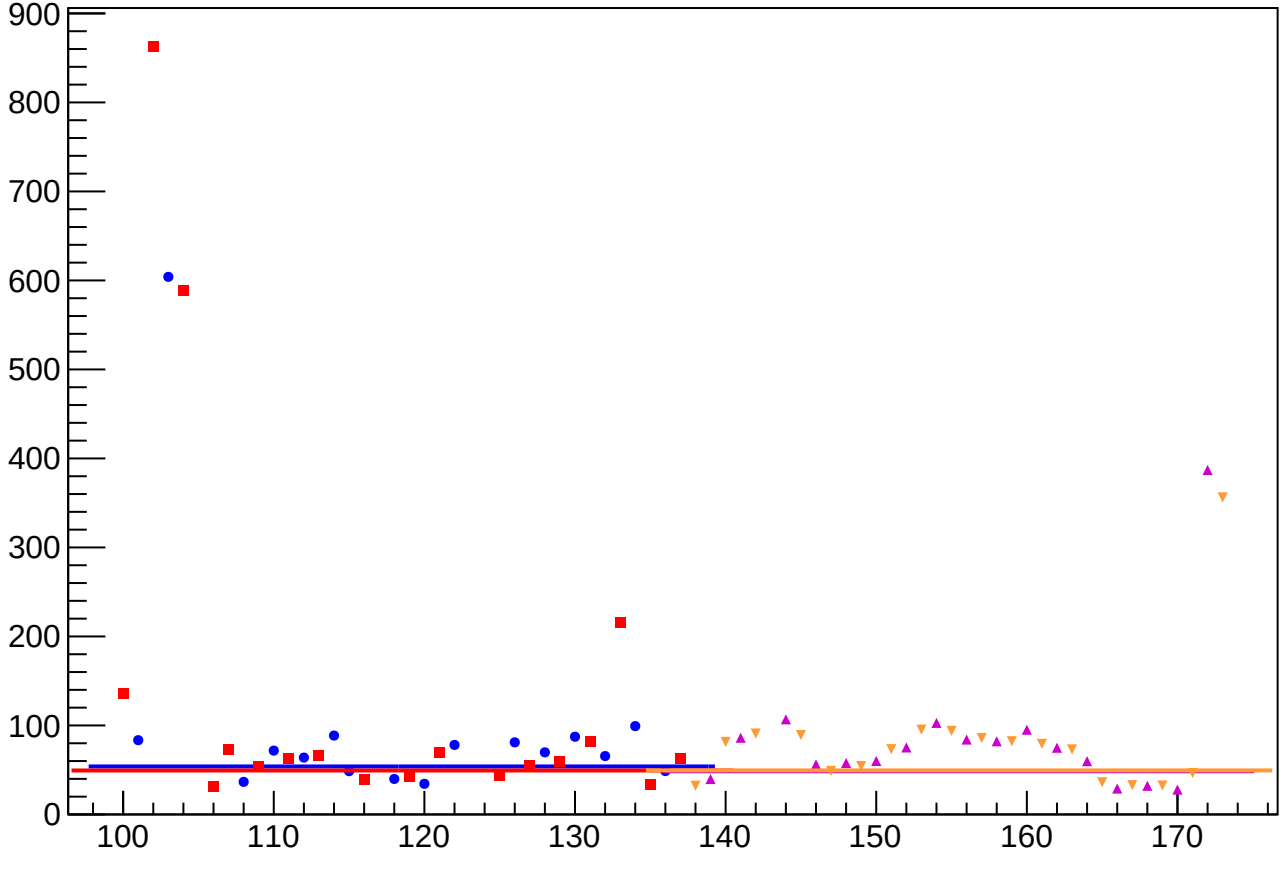
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.0/32

Out: 0.022+/-0.013 χ^2/NDF:51.9/35

All: 0.010+/-0.009 χ^2/NDF: 75.8/68

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: 49.495+/-0.011 χ^2/NDF:4968045.9/17

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 48.532+/-0.011 χ^2/NDF:5626198.5/16

Left: 49.007+/-0.008 χ^2/NDF: 10598154.5/34

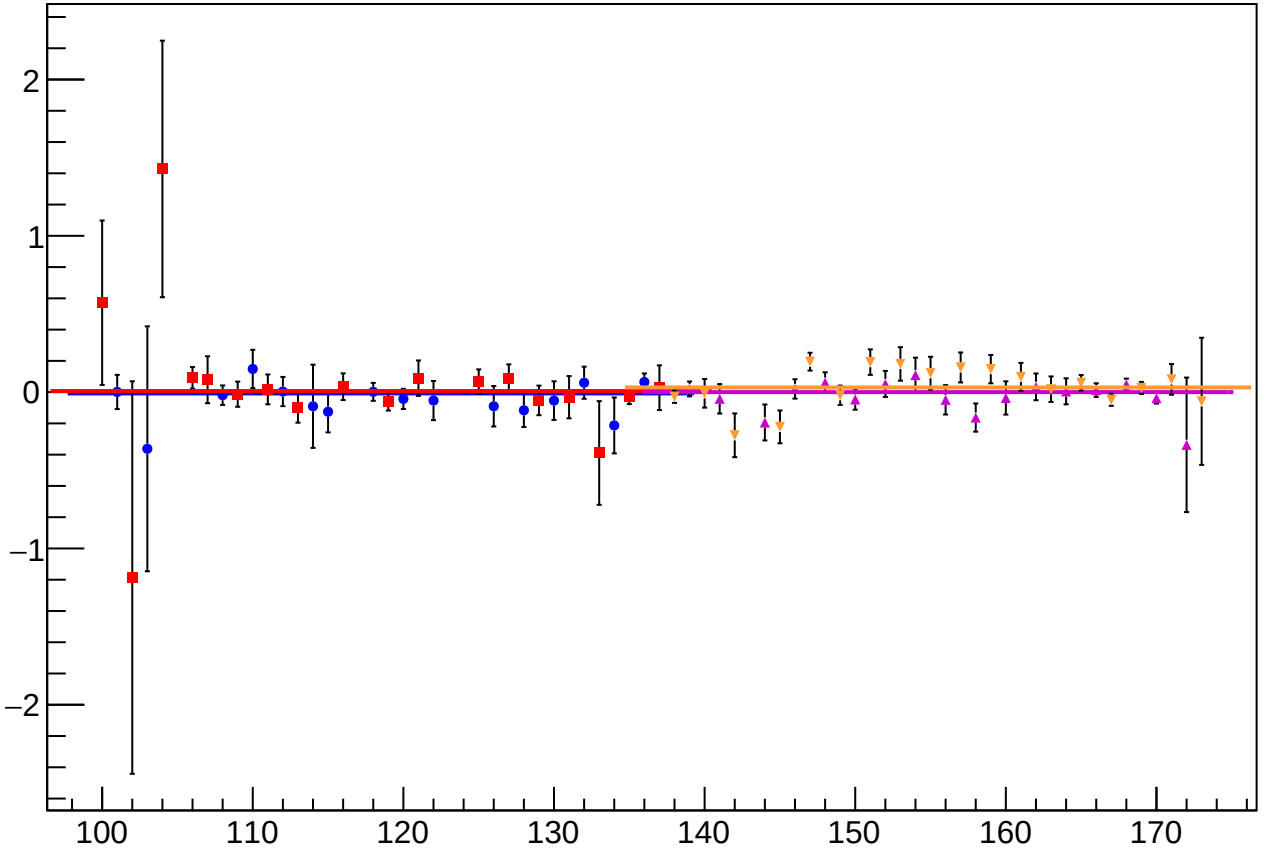
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 50.176+/-0.009 χ^2/NDF:7916024.9/32

Out: 49.471+/-0.009 χ^2/NDF:7985500.7/35

All: 49.822+/-0.006 χ^2/NDF: 15904591.0/68

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: 0.030+/-0.016 χ^2/NDF:37.5/17

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.6/16

Left: 0.015+/-0.011 χ^2/NDF: 53.0/34

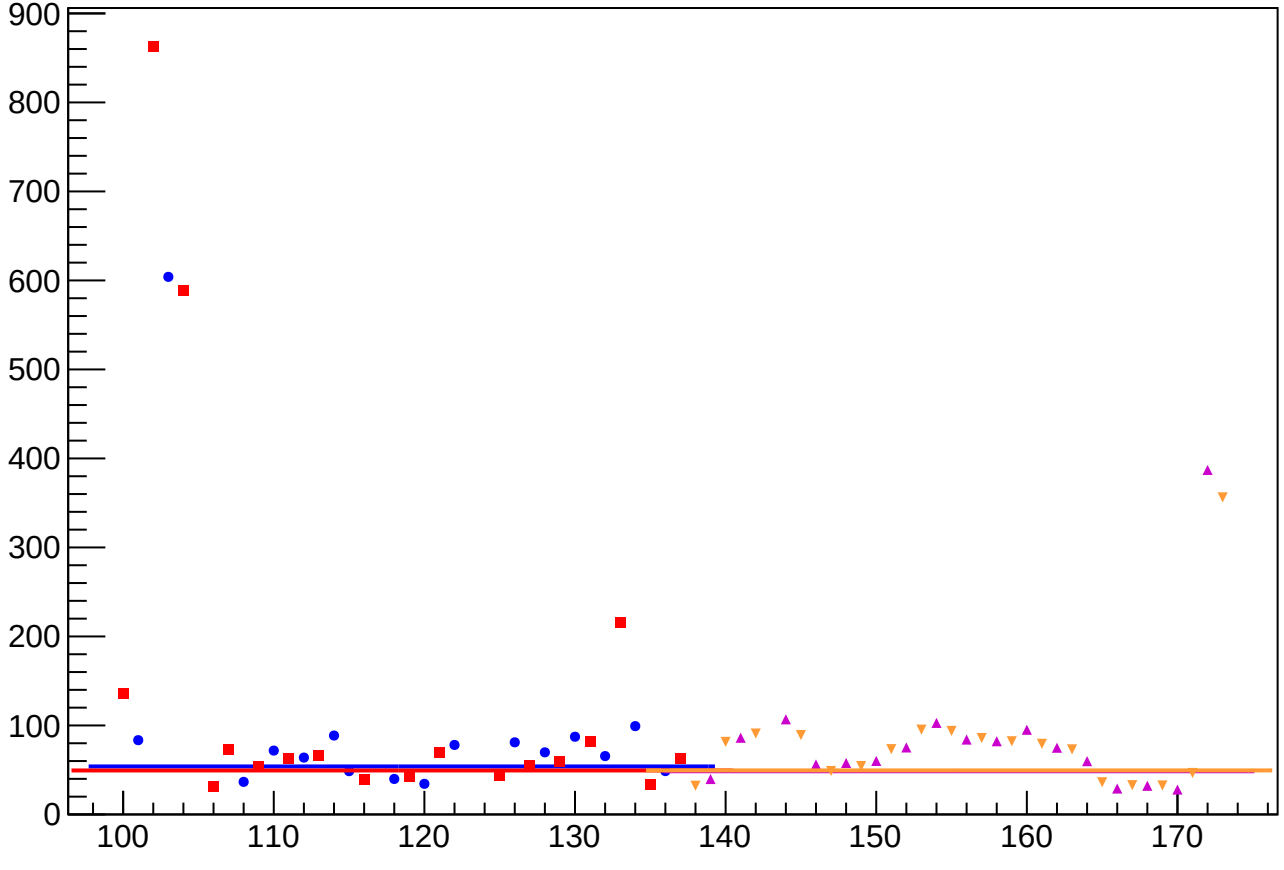
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.0/32

Out: 0.022+/-0.013 χ^2/NDF:51.9/35

All: 0.010+/-0.009 χ^2/NDF: 75.8/68

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: 49.495+/-0.011 χ^2/NDF:4968045.9/17

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 48.532+/-0.011 χ^2/NDF:5626198.5/16

Left: 49.007+/-0.008 χ^2/NDF: 10598154.5/34

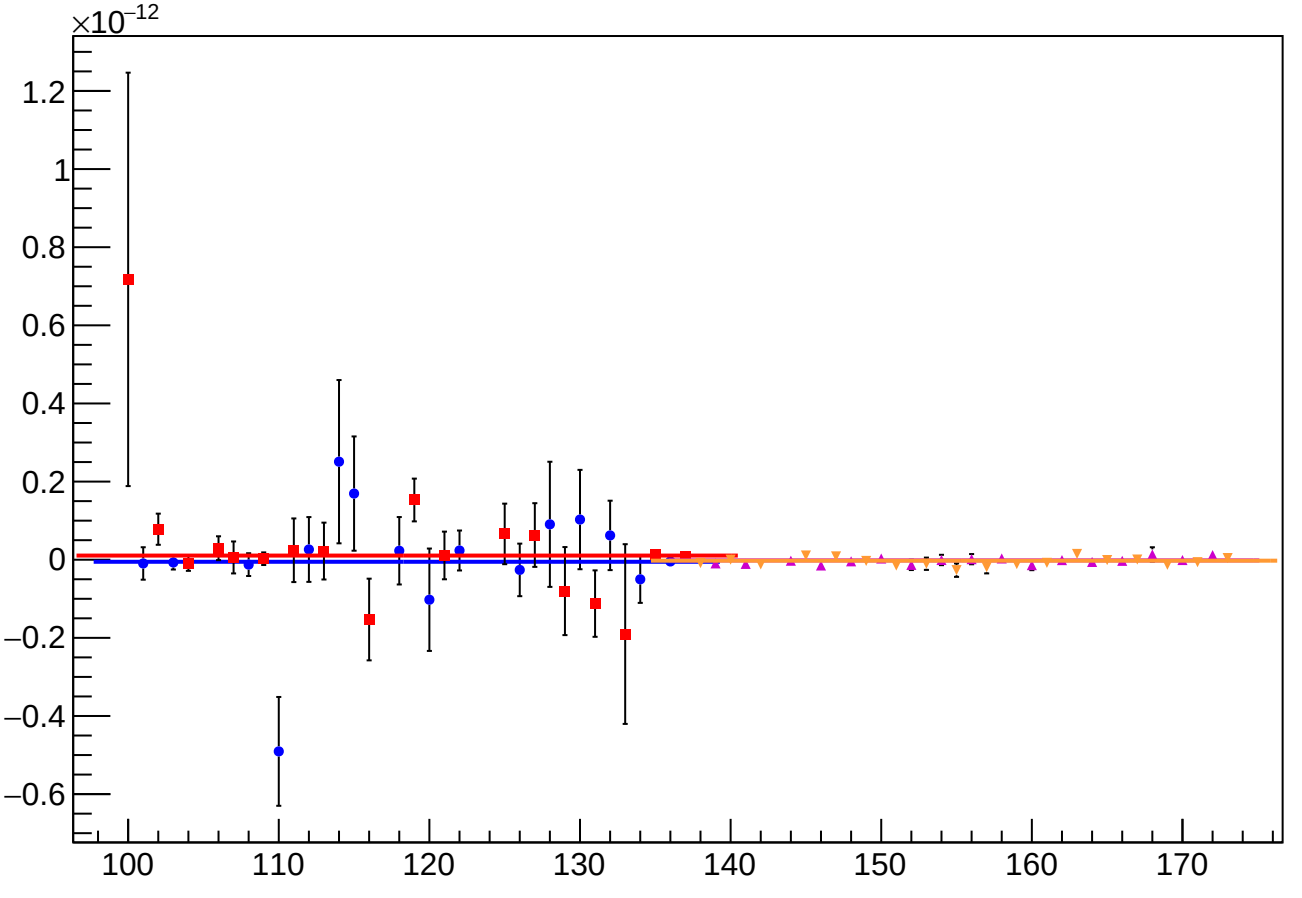
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 50.176+/-0.009 χ^2/NDF:7916024.9/32

Out: 49.471+/-0.009 χ^2/NDF:7985500.7/35

All: 49.822+/-0.006 χ^2/NDF: 15904591.0/68

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: -0.000+/-0.000 χ^2/NDF:13.4/16

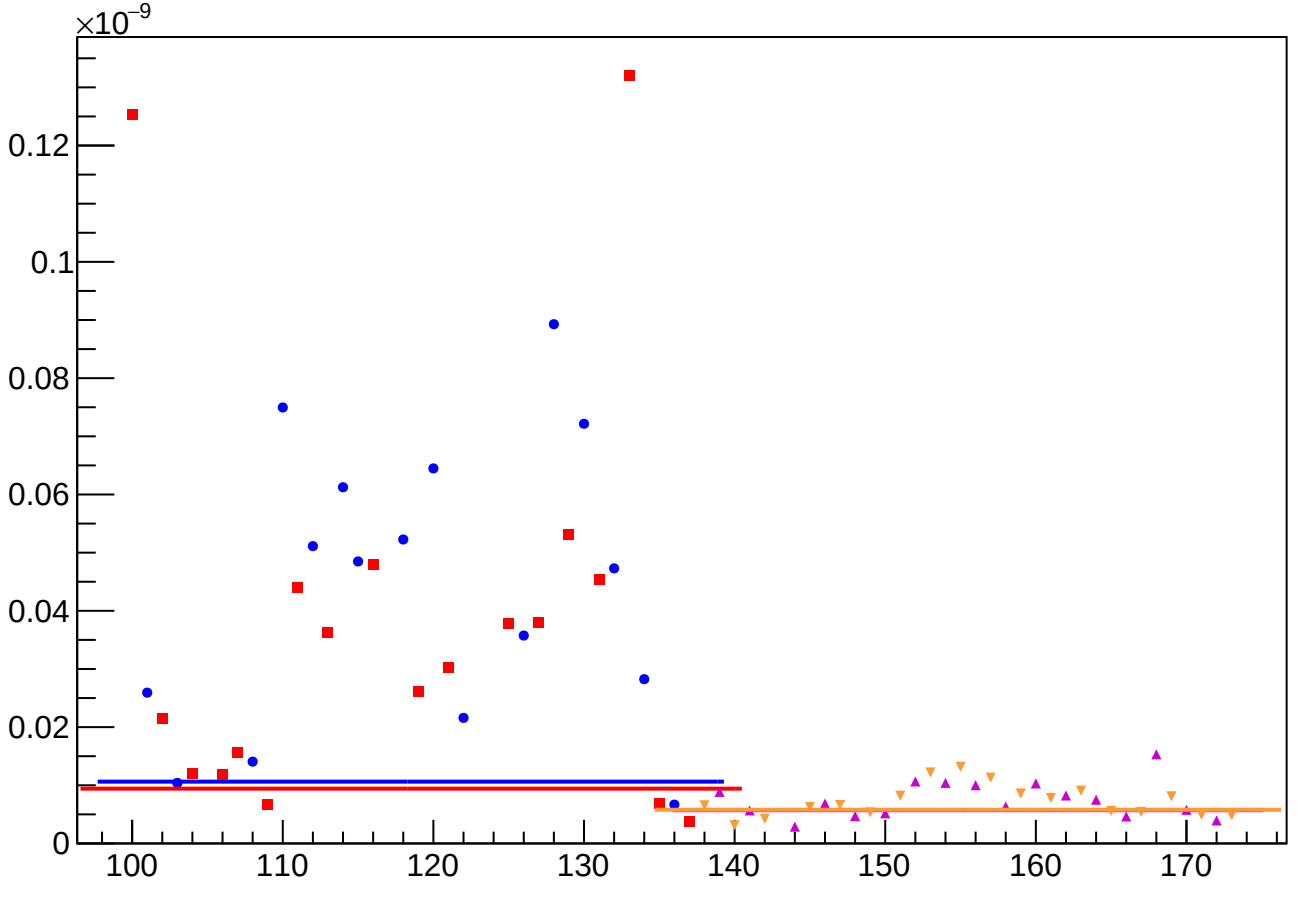
Left: -0.000+/-0.000 χ^2/NDF: 30.2/34

Right: 0.000+/-0.000 χ^2/NDF: 41.5/33

In: -0.000+/-0.000 χ^2/NDF:32.2/32

Out: -0.000+/-0.000 χ^2/NDF:40.6/35

All: -0.000+/-0.000 χ^2/NDF: 72.9/68



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2386682.3/17

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

Left In: 0.000+/-0.000 χ^2/NDF:2857347.4/16

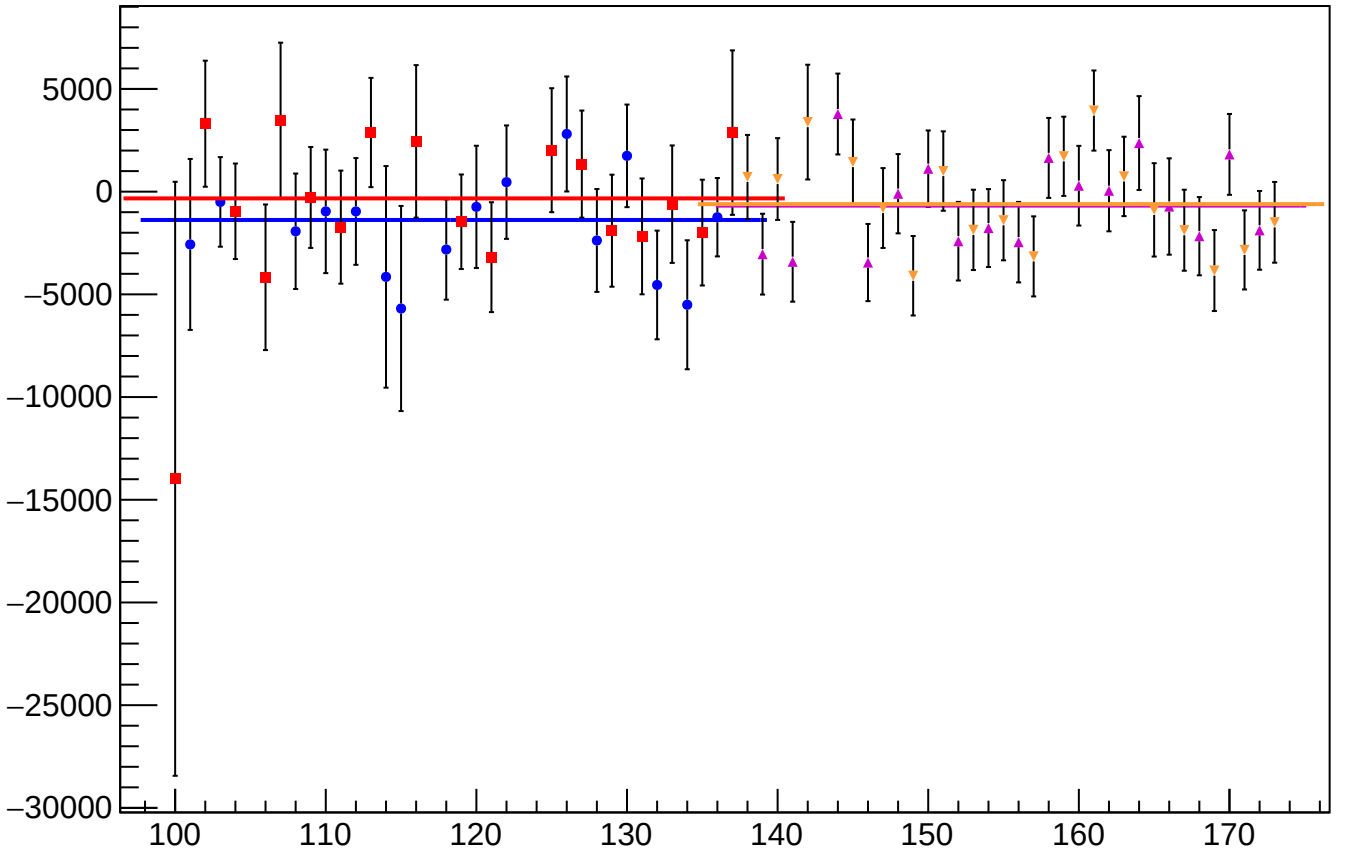
Left: 0.000+/-0.000 χ^2/NDF: 5245559.7/34

Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:8365162.7/32

Out: 0.000+/-0.000 χ^2/NDF:6992895.2/35

All: 0.000+/-0.000 χ^2/NDF: 15358061.2/68



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -607.379+/-472.678 χ^2/NDF:22.1/17

Right Out: -328.770+/-683.888 χ^2/NDF: 11.0/17

Left In: -679.534+/-476.876 χ^2/NDF:19.9/16

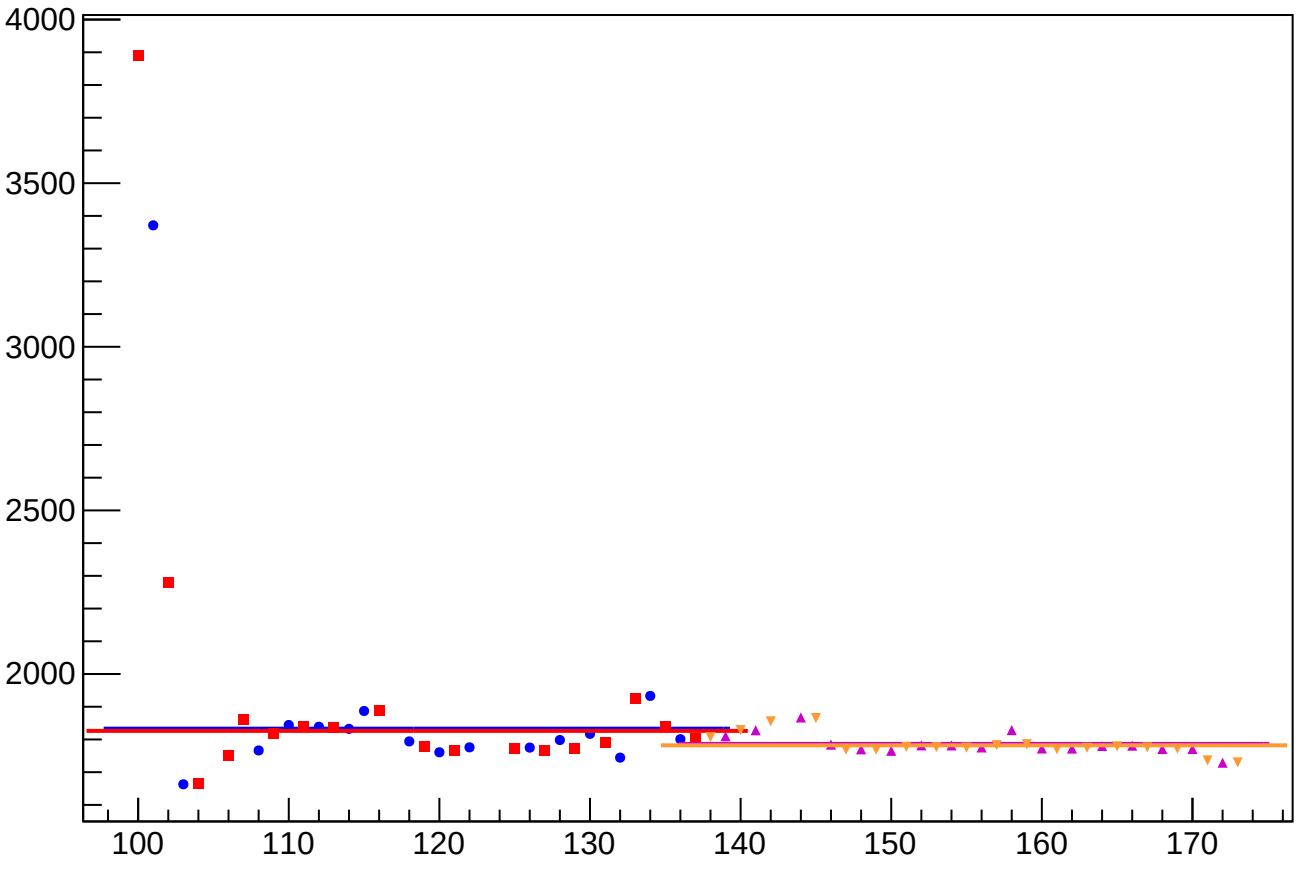
Left: -643.137+/-335.708 χ^2/NDF: 42.0/34

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -905.990+/-392.122 χ^2/NDF:29.9/32

Out: -517.311+/-388.840 χ^2/NDF:33.3/35

All: -710.017+/-276.105 χ^2/NDF: 63.7/68



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1782.067+/-0.334 χ^2/NDF:9007.9/17

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1786.290+/-0.337 χ^2/NDF:8292.4/16

Left: 1784.160+/-0.237 χ^2/NDF: 17379.4/34

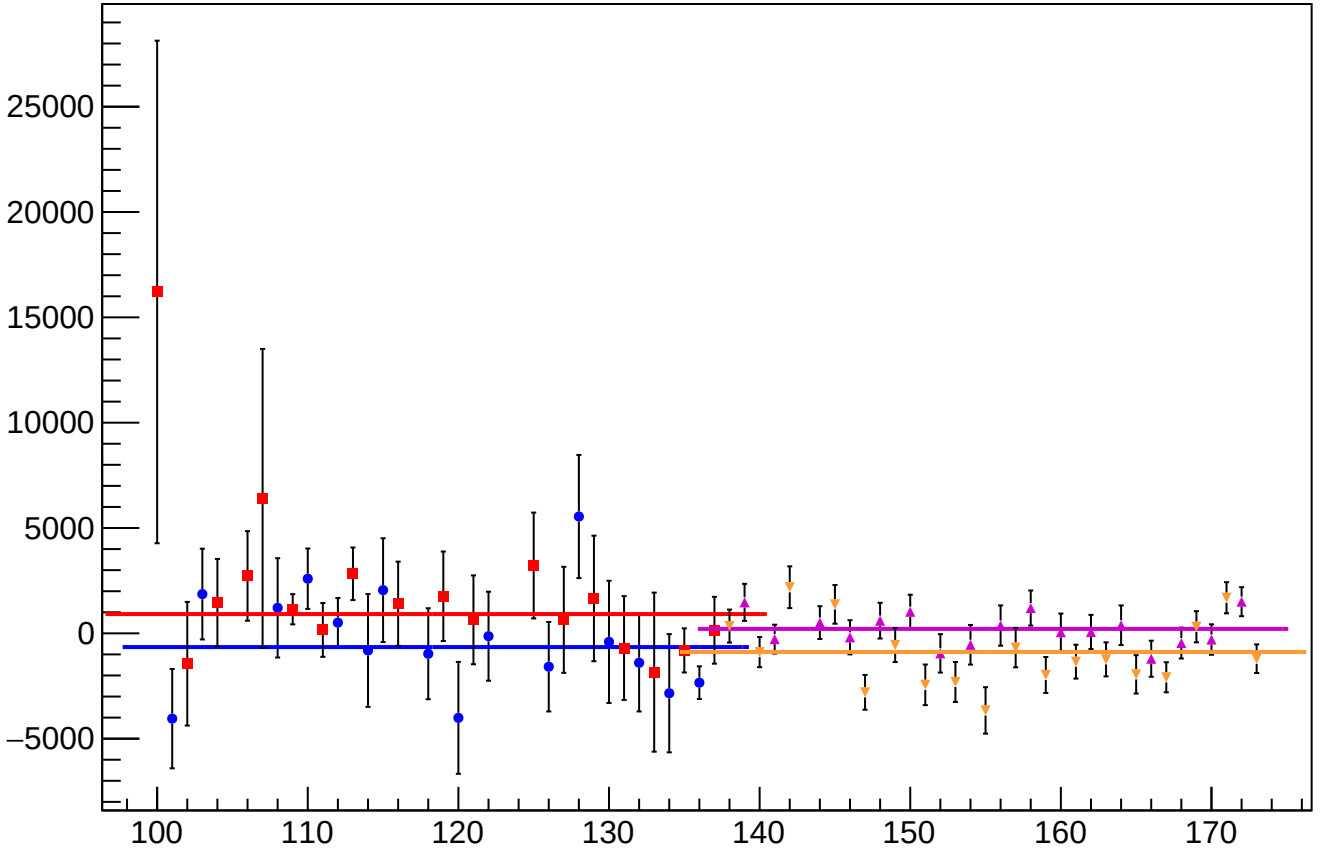
Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1801.401+/-0.277 χ^2/NDF:309932.1/32

Out: 1796.337+/-0.275 χ^2/NDF:117652.9/35

All: 1798.847+/-0.195 χ^2/NDF: 427753.1/68

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -883.806+/-194.688 χ^2/NDF:56.3/17

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 210.223+/-197.820 χ^2/NDF:15.6/16

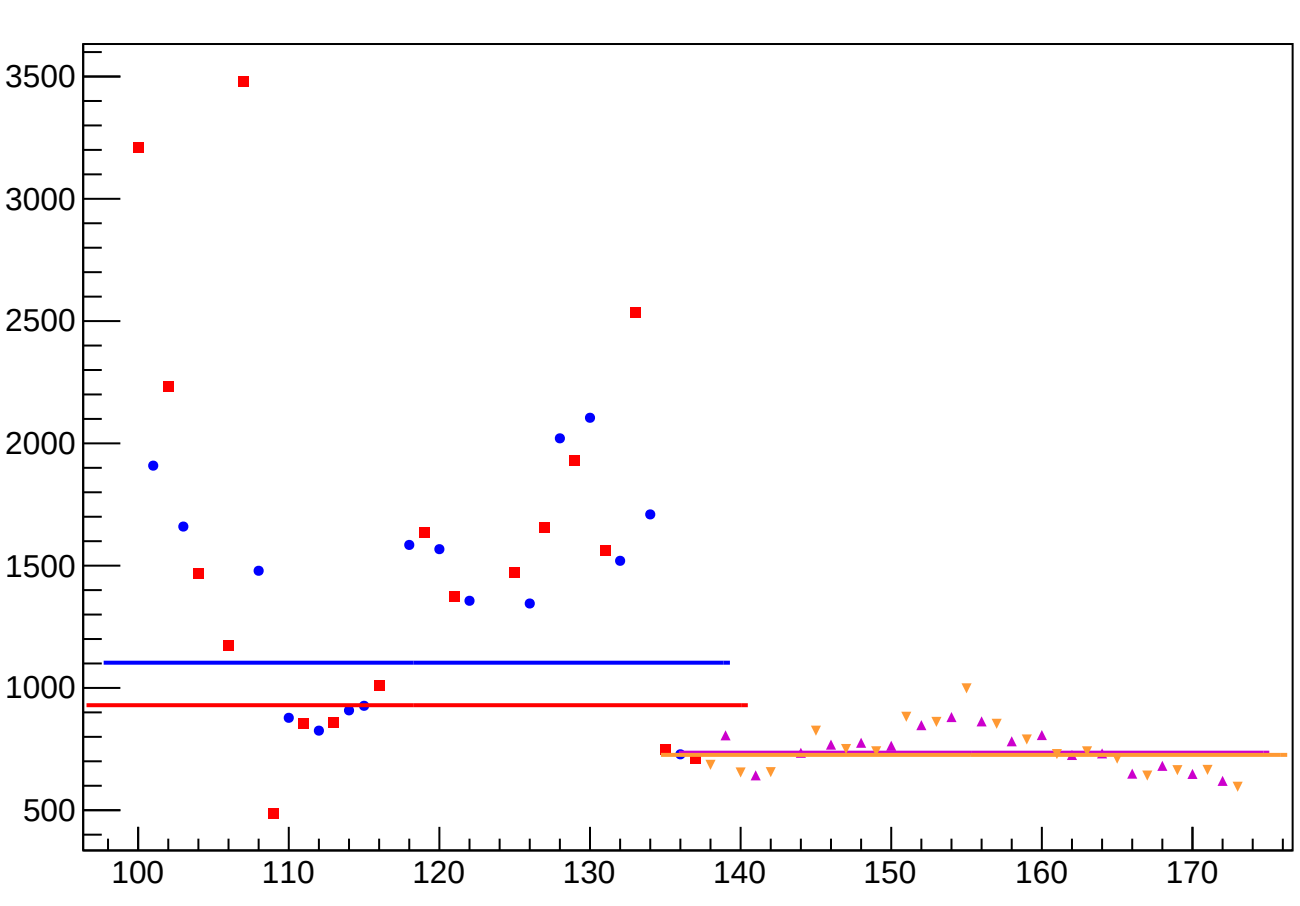
Left: -345.521+/-138.759 χ^2/NDF: 87.4/34

Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: 66.418+/-180.570 χ^2/NDF:41.9/32

Out: -530.013+/-174.491 χ^2/NDF:84.6/35

All: -242.005+/-125.478 χ^2/NDF: 132.2/68



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 726.251+/-0.138 χ^2/NDF:454931.7/17

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 735.267+/-0.140 χ^2/NDF:309522.6/16

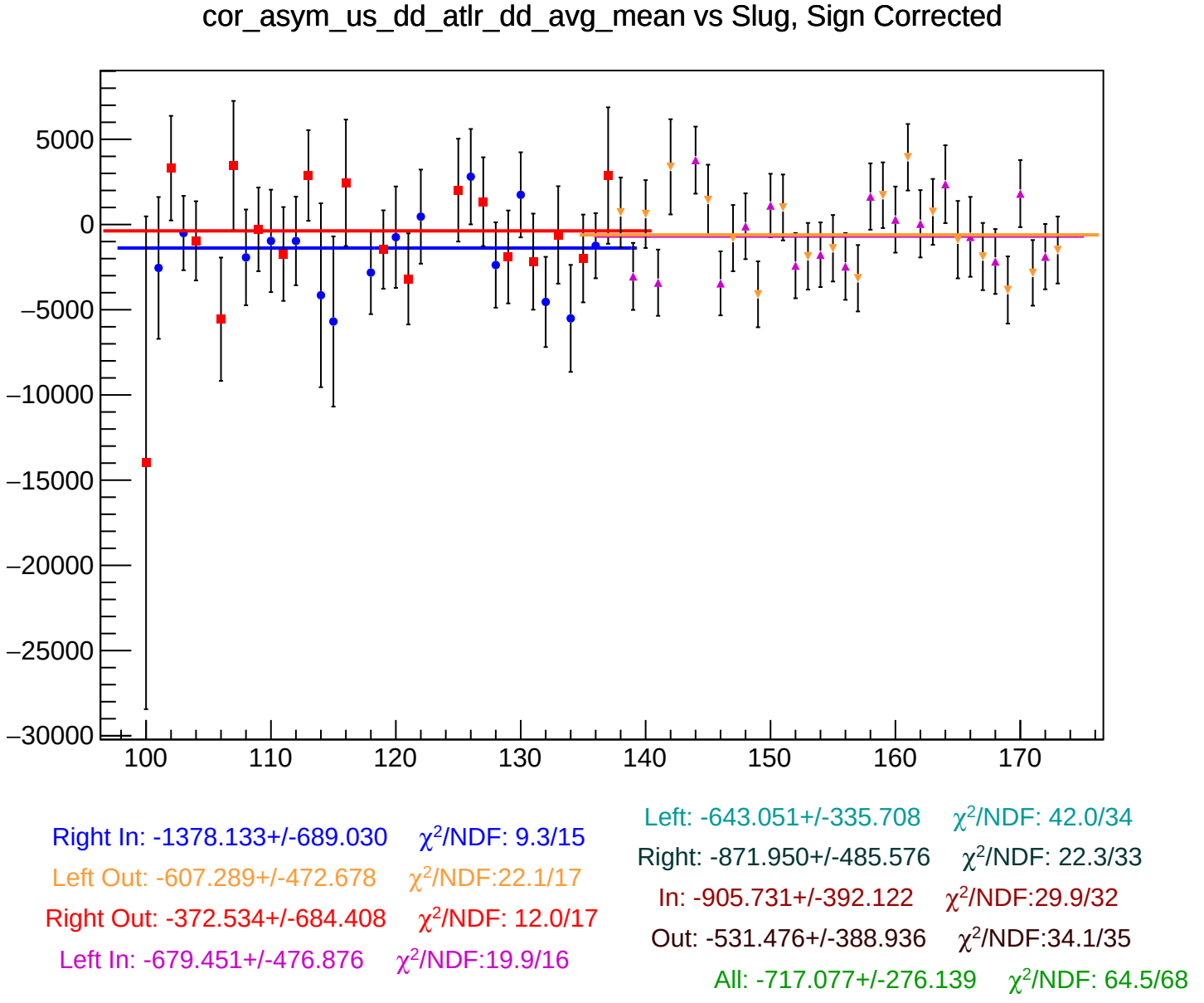
Left: 730.687+/-0.098 χ^2/NDF: 766564.3/34

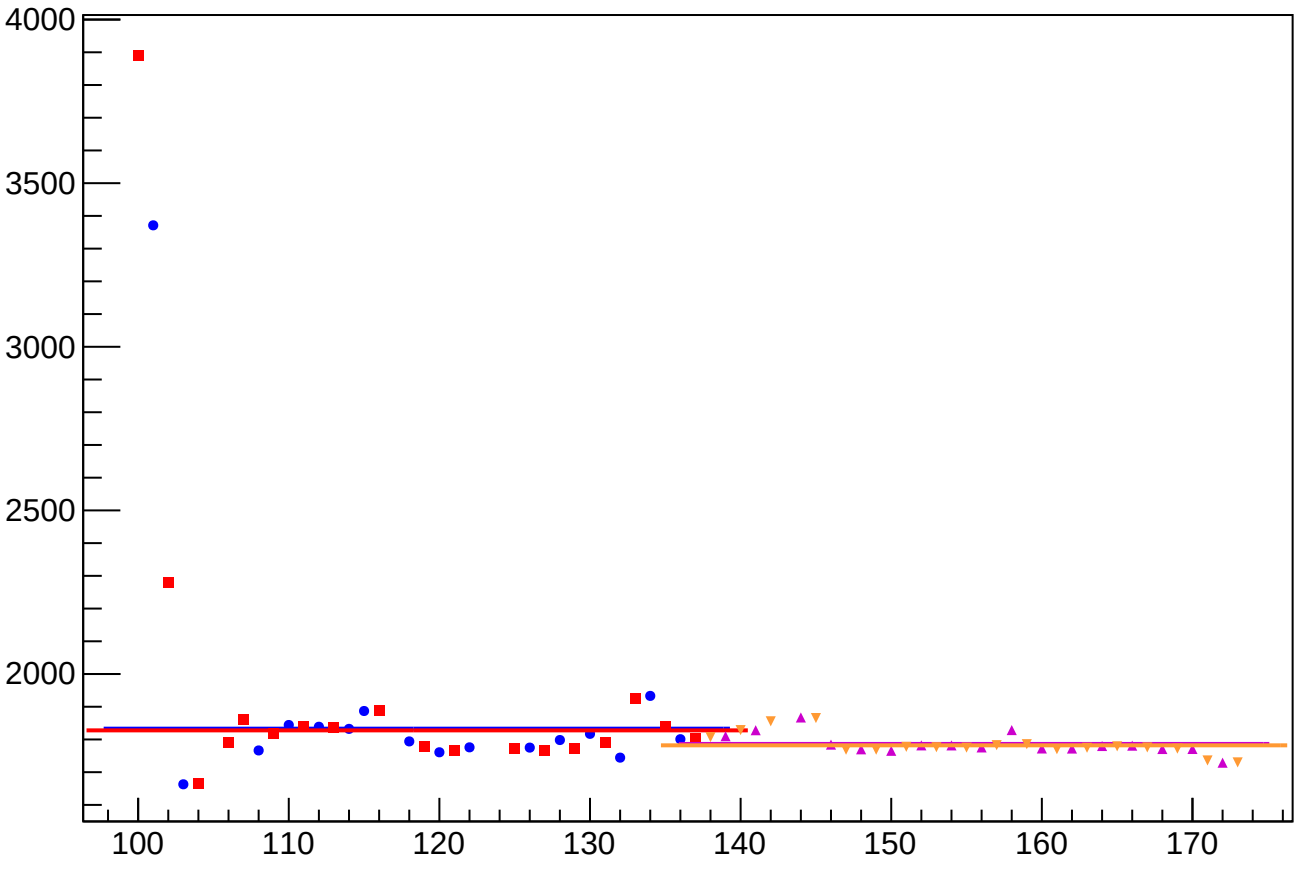
Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 796.633+/-0.128 χ^2/NDF:3341608.2/32

Out: 766.205+/-0.123 χ^2/NDF:3937204.3/35

All: 780.898+/-0.089 χ^2/NDF: 7308181.0/68


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
170
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: -607.289+/-472.678 χ²/NDF:22.1/17
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -679.451+/-476.876 χ²/NDF:19.9/16
Left: -643.051+/-335.708 χ²/NDF: 42.0/34
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -905.731+/-392.122 χ²/NDF:29.9/32
Out: -531.476+/-388.936 χ²/NDF:34.1/35
All: -717.077+/-276.139 χ²/NDF: 64.5/68



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1782.067+/-0.334 χ^2/NDF:9007.9/17

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1786.290+/-0.337 χ^2/NDF:8292.4/16

Left: 1784.160+/-0.237 χ^2/NDF: 17379.4/34

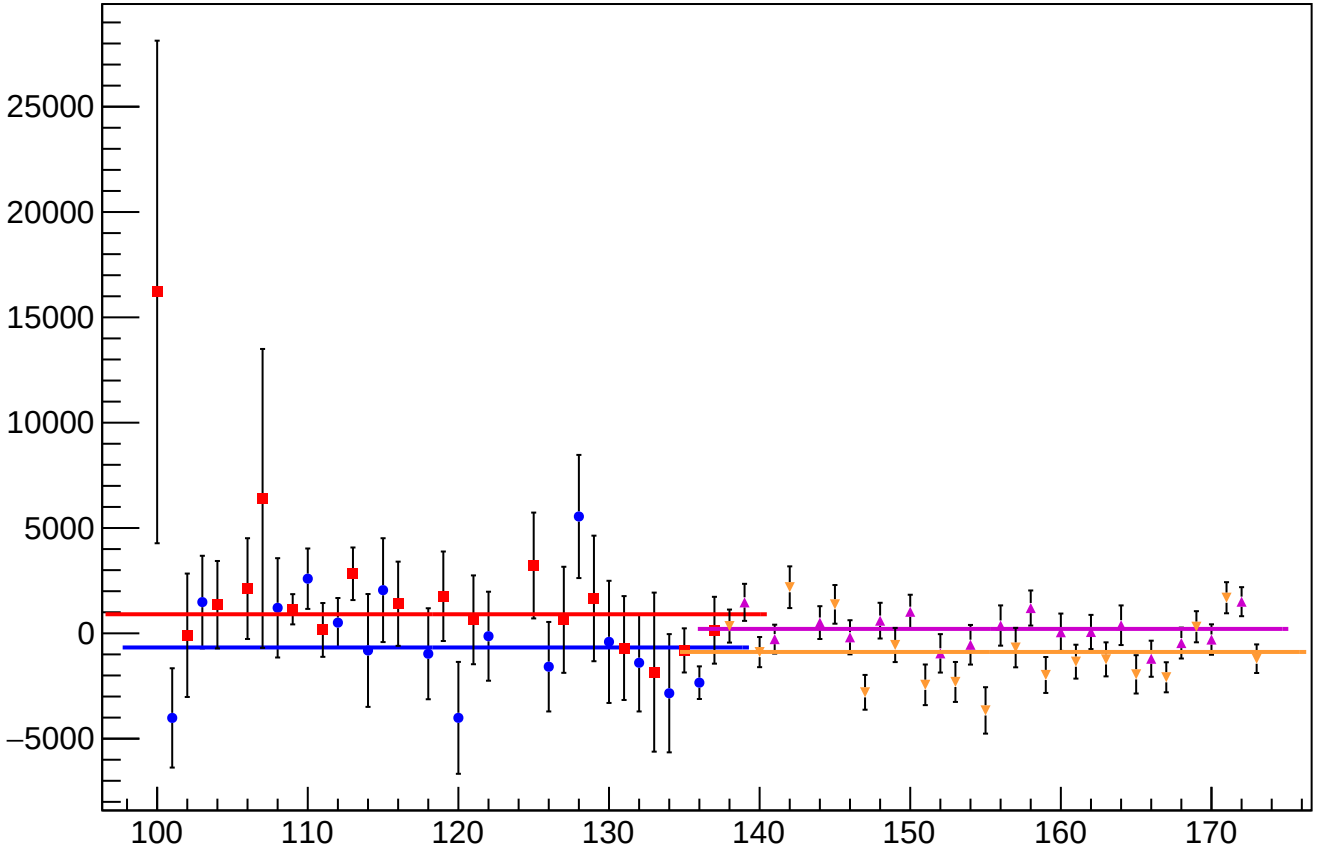
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1801.401+/-0.277 χ^2/NDF:309934.0/32

Out: 1796.831+/-0.275 χ^2/NDF:117320.4/35

All: 1799.097+/-0.195 χ^2/NDF: 427391.3/68

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: -883.825+/-194.689 χ^2/NDF:56.3/17

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 210.140+/-197.820 χ^2/NDF:15.5/16

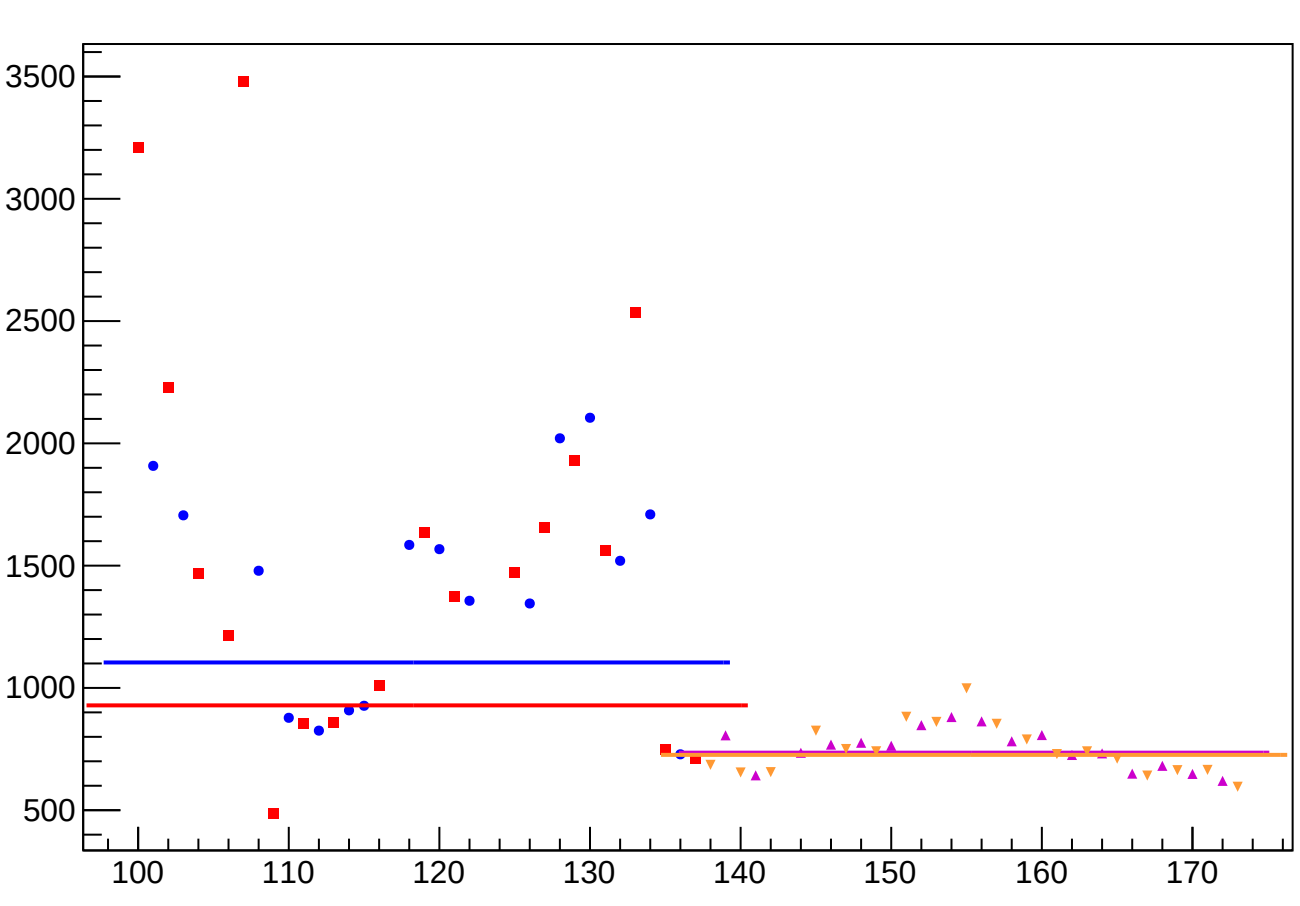
Left: -345.567+/-138.760 χ^2/NDF: 87.4/34

Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 63.452+/-180.595 χ^2/NDF:41.6/32

Out: -533.758+/-174.614 χ^2/NDF:83.4/35

All: -245.207+/-125.532 χ^2/NDF: 130.6/68



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 726.259+/-0.138 χ^2/NDF:454879.5/17

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 735.267+/-0.140 χ^2/NDF:309598.2/16

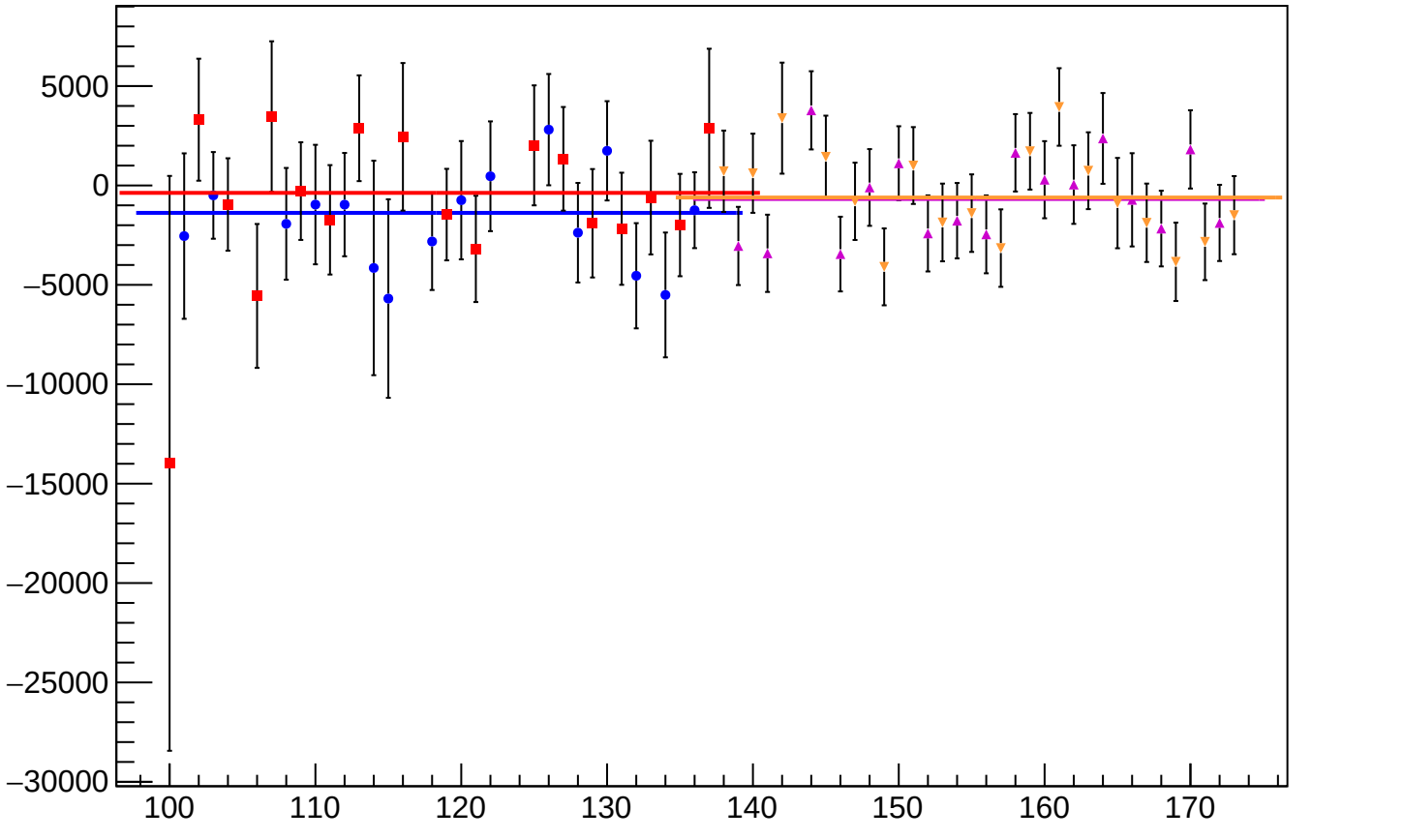
Left: 730.691+/-0.098 χ^2/NDF: 766584.2/34

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 796.701+/-0.128 χ^2/NDF:3362145.3/32

Out: 765.843+/-0.123 χ^2/NDF:3931937.7/35

All: 780.752+/-0.089 χ^2/NDF: 7324262.4/68



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -607.289+/-472.678 χ^2/NDF:22.1/17

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -679.451+/-476.876 χ^2/NDF:19.9/16

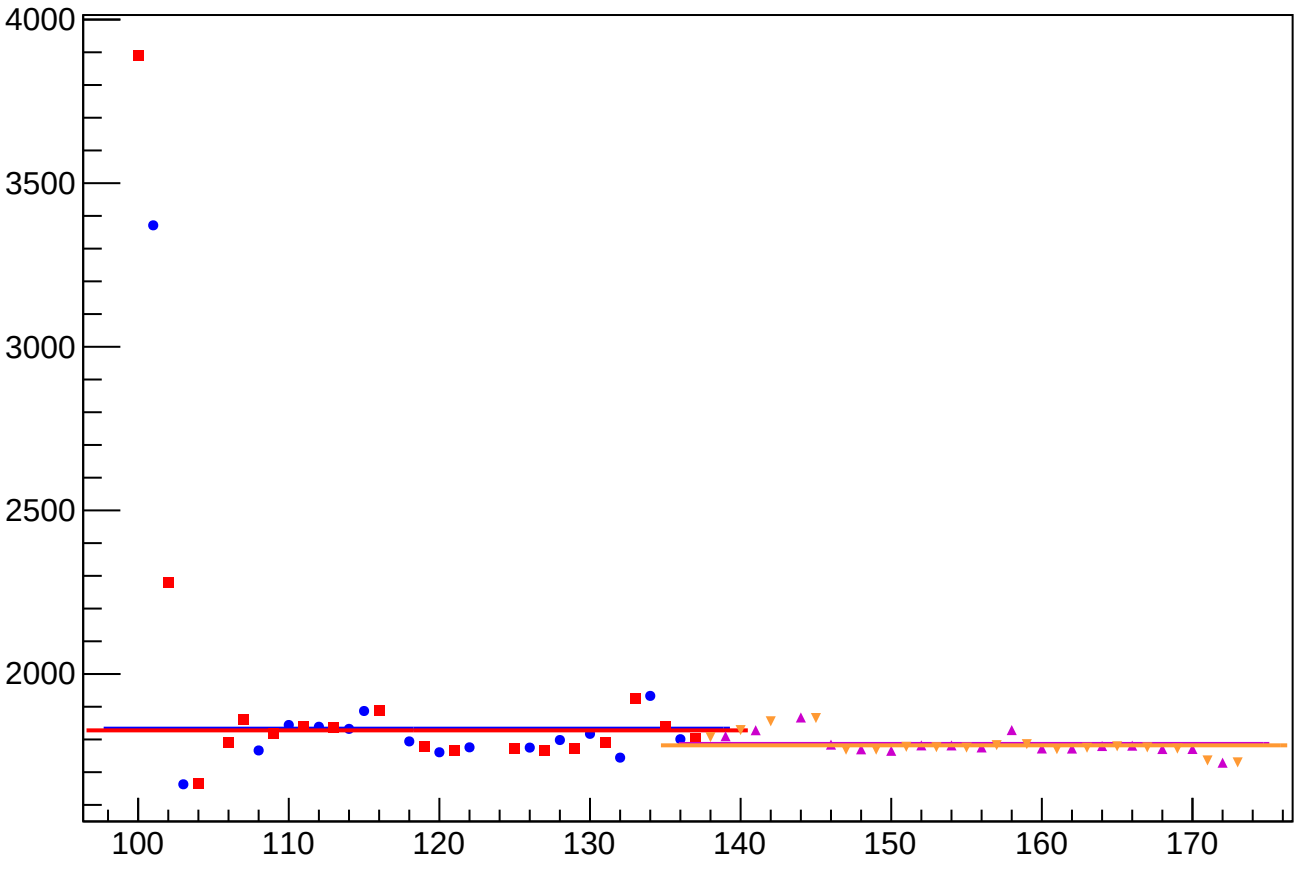
Left: -643.051+/-335.708 χ^2/NDF: 42.0/34

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -905.731+/-392.122 χ^2/NDF:29.9/32

Out: -531.476+/-388.936 χ^2/NDF:34.1/35

All: -717.077+/-276.139 χ^2/NDF: 64.5/68



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1782.067+/-0.334 χ^2/NDF:9007.9/17

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1786.290+/-0.337 χ^2/NDF:8292.4/16

Left: 1784.160+/-0.237 χ^2/NDF: 17379.4/34

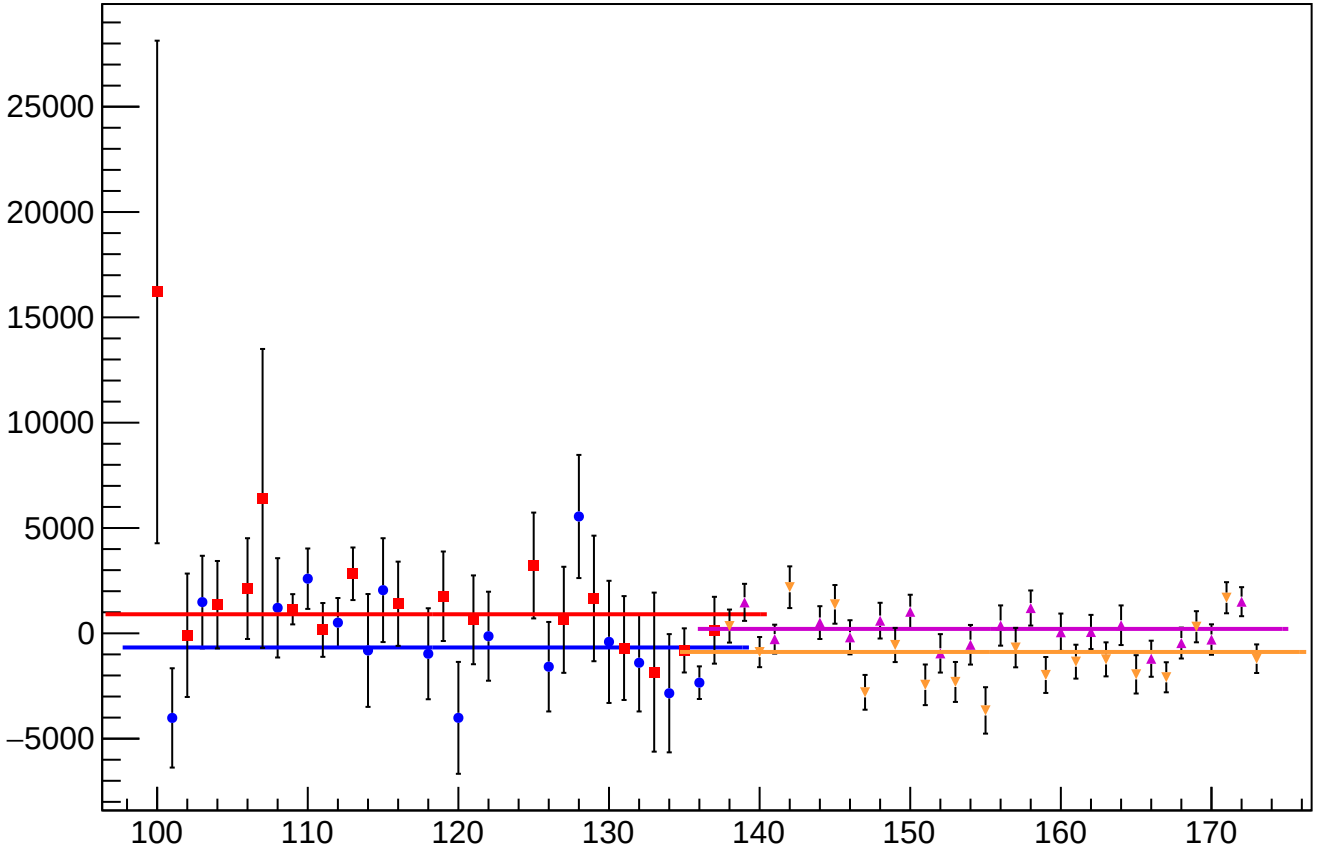
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1801.401+/-0.277 χ^2/NDF:309934.0/32

Out: 1796.831+/-0.275 χ^2/NDF:117320.4/35

All: 1799.097+/-0.195 χ^2/NDF: 427391.3/68

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -883.825+/-194.689 χ^2/NDF:56.3/17

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 210.140+/-197.820 χ^2/NDF:15.5/16

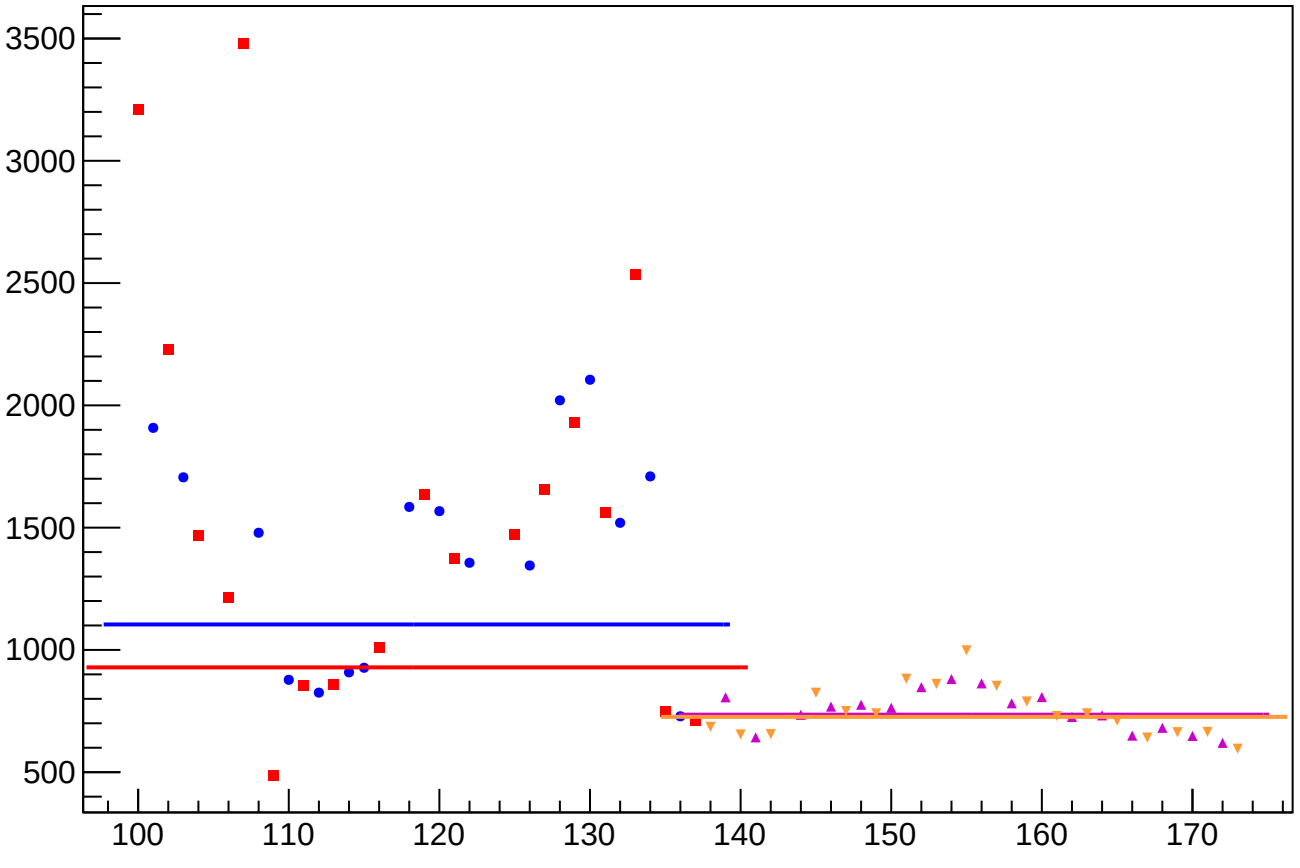
Left: -345.567+/-138.760 χ^2/NDF: 87.4/34

Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 63.452+/-180.595 χ^2/NDF:41.6/32

Out: -533.758+/-174.614 χ^2/NDF:83.4/35

All: -245.207+/-125.532 χ^2/NDF: 130.6/68



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 726.259+/-0.138 χ^2/NDF:454879.5/17

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 735.267+/-0.140 χ^2/NDF:309598.2/16

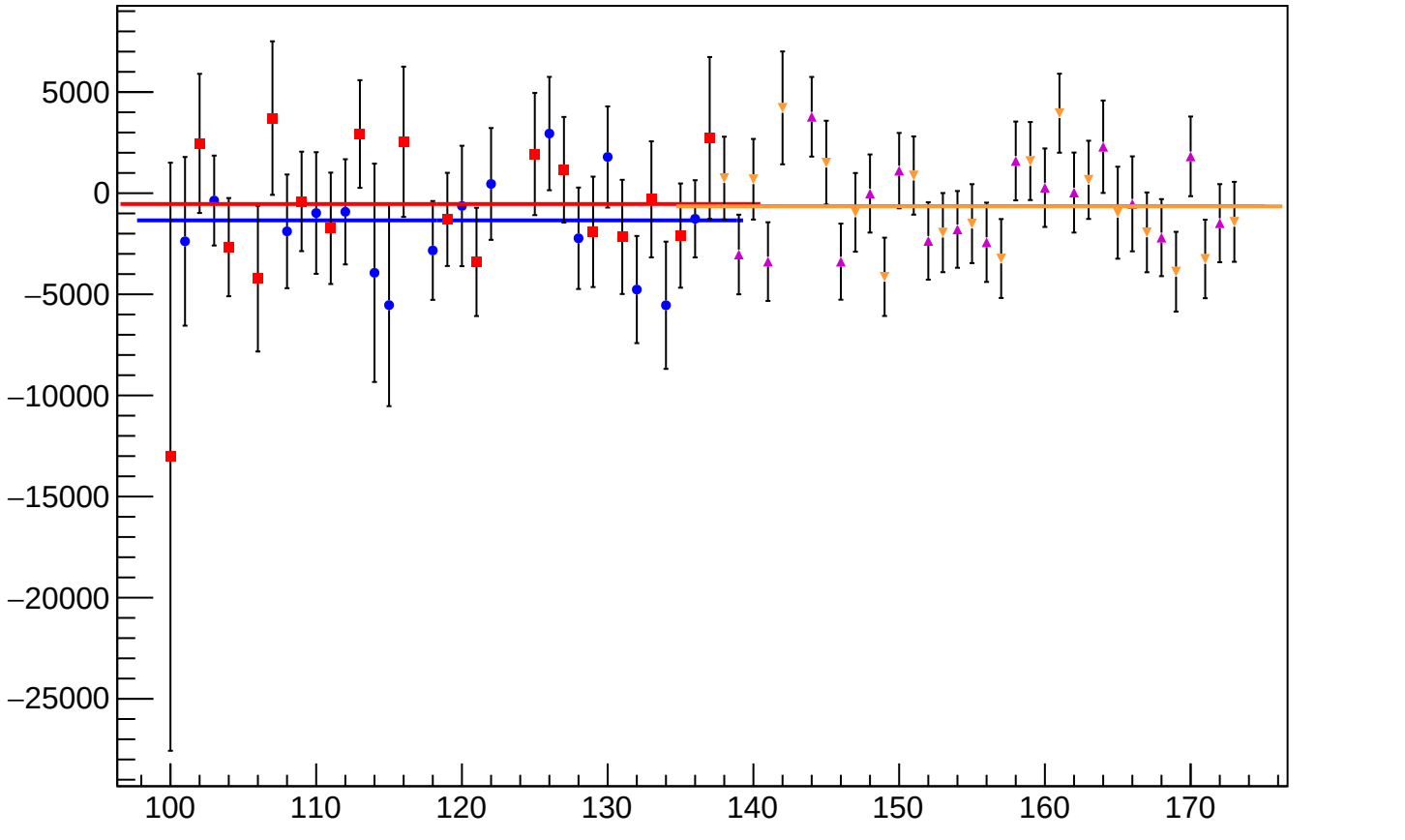
Left: 730.691+/-0.098 χ^2/NDF: 766584.2/34

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 796.701+/-0.128 χ^2/NDF:3362145.3/32

Out: 765.843+/-0.123 χ^2/NDF:3931937.7/35

All: 780.752+/-0.089 χ^2/NDF: 7324262.4/68



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -648.168+/-473.339 χ^2/NDF:23.8/17

Right Out: -534.194+/-690.970 χ^2/NDF: 11.1/17

Left In: -638.955+/-477.381 χ^2/NDF:19.4/16

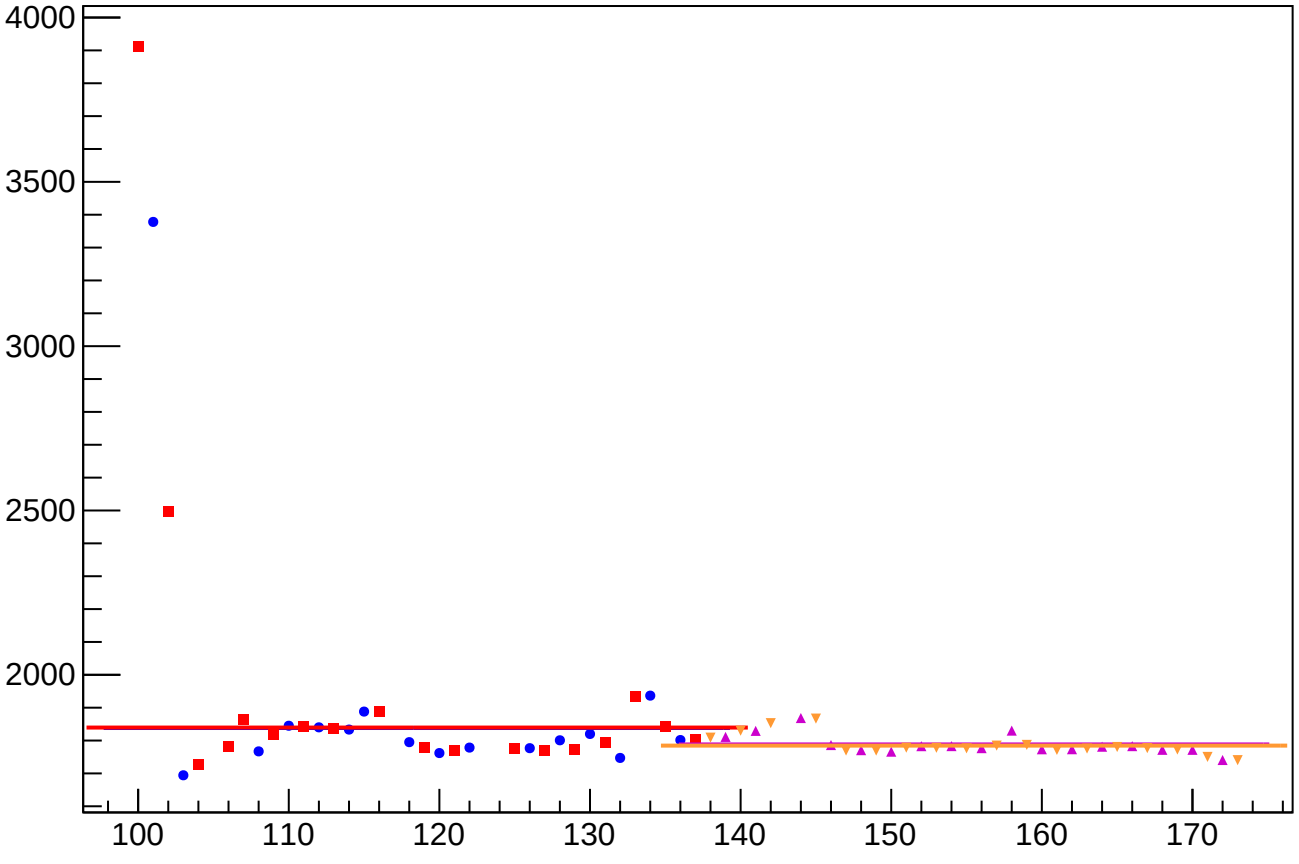
Left: -643.601+/-336.121 χ^2/NDF: 43.1/34

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -866.753+/-392.755 χ^2/NDF:29.7/32

Out: -611.766+/-390.500 χ^2/NDF:34.9/35

All: -738.525+/-276.919 χ^2/NDF: 64.8/68



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1784.586+/-0.335 χ^2/NDF:7857.2/17

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1788.196+/-0.338 χ^2/NDF:7712.8/16

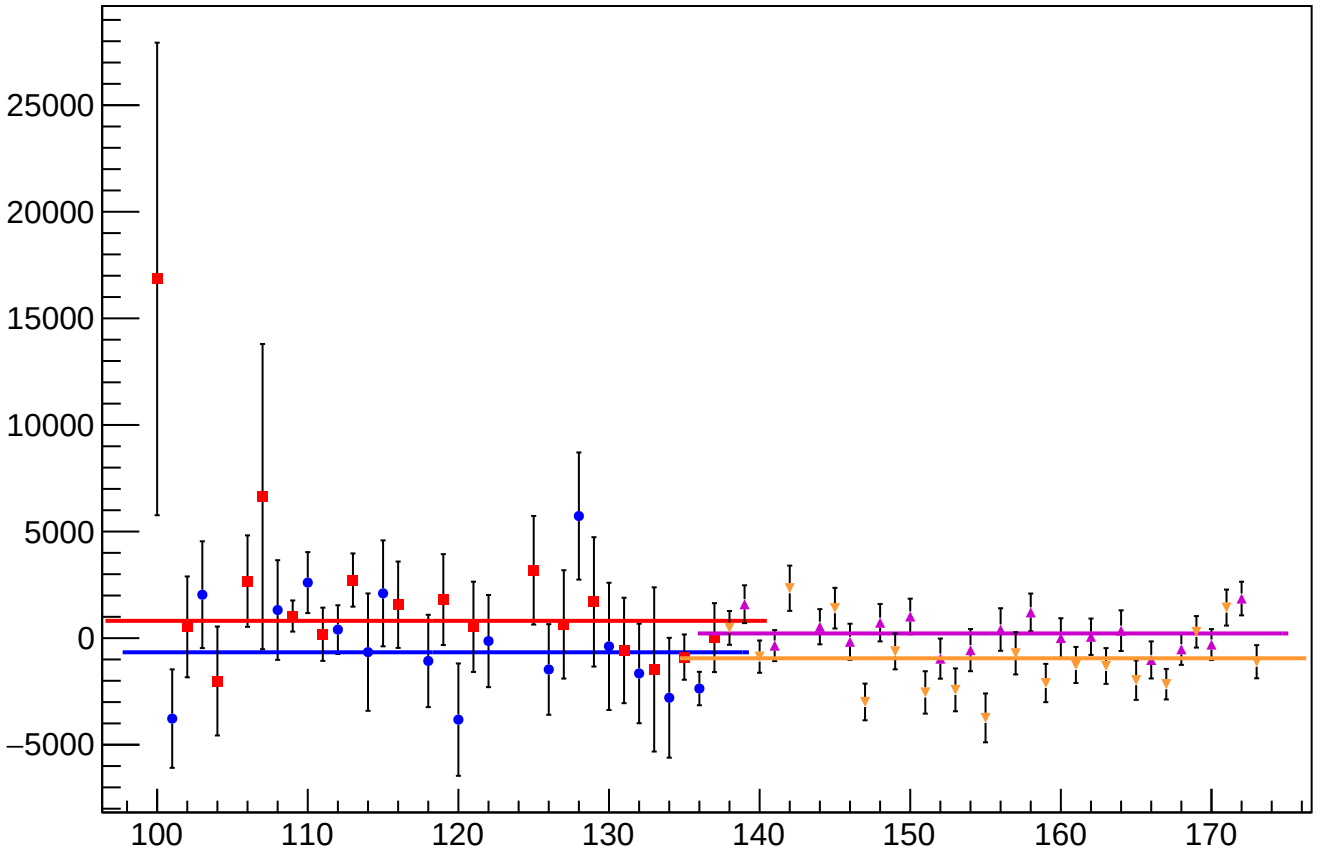
Left: 1786.376+/-0.238 χ^2/NDF: 15627.7/34

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1804.340+/-0.278 χ^2/NDF:306775.6/32

Out: 1802.131+/-0.276 χ^2/NDF:144713.6/35

All: 1803.229+/-0.196 χ^2/NDF: 451521.1/68



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -943.970+/-204.474 χ^2/NDF:52.4/17

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 220.517+/-206.193 χ^2/NDF:16.1/16

Left: -366.602+/-145.189 χ^2/NDF: 84.6/34

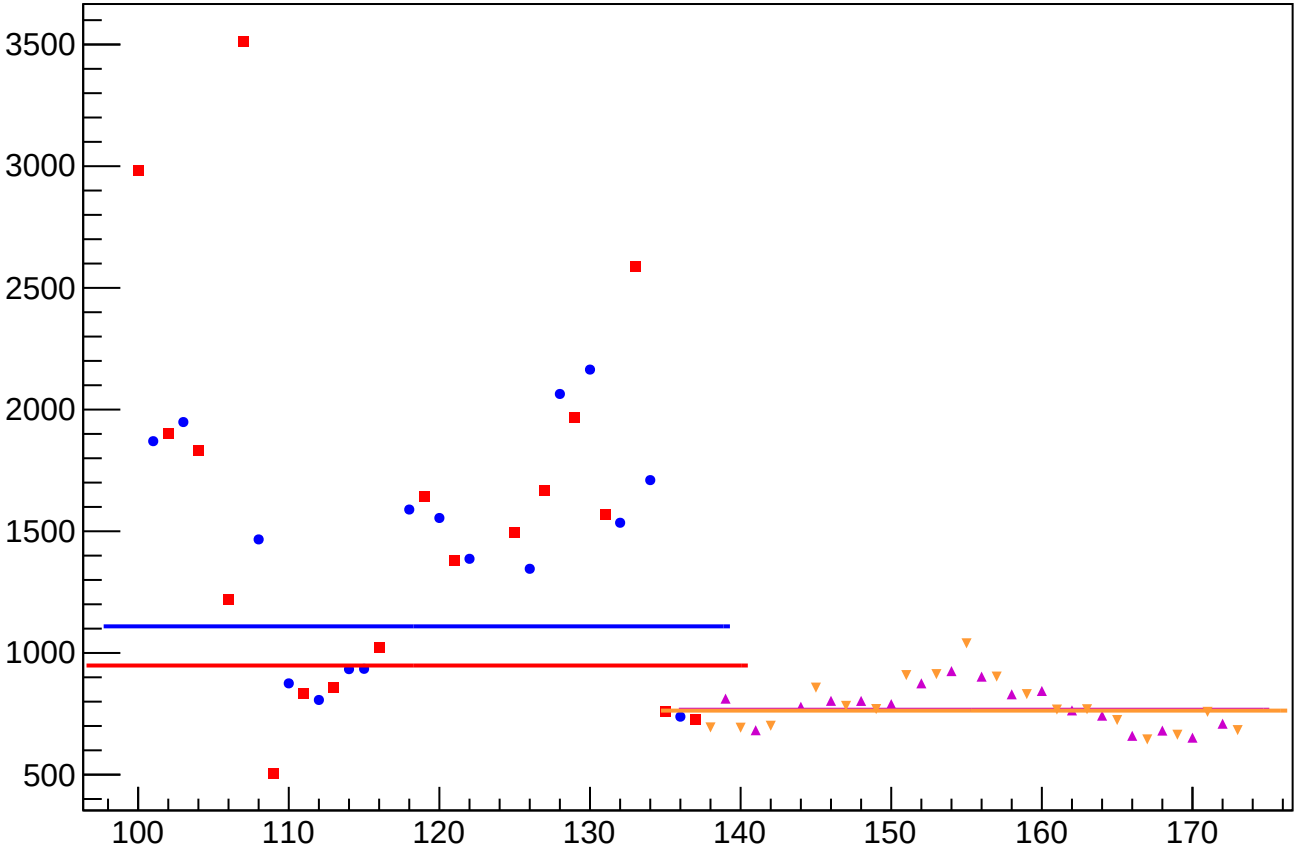
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: 64.790+/-187.153 χ^2/NDF:42.1/32

Out: -576.053+/-181.798 χ^2/NDF:80.1/35

All: -264.931+/-130.402 χ^2/NDF: 128.2/68

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 763.179+/-0.145 χ^2/NDF:430265.5/17

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 766.768+/-0.146 χ^2/NDF:300143.1/16

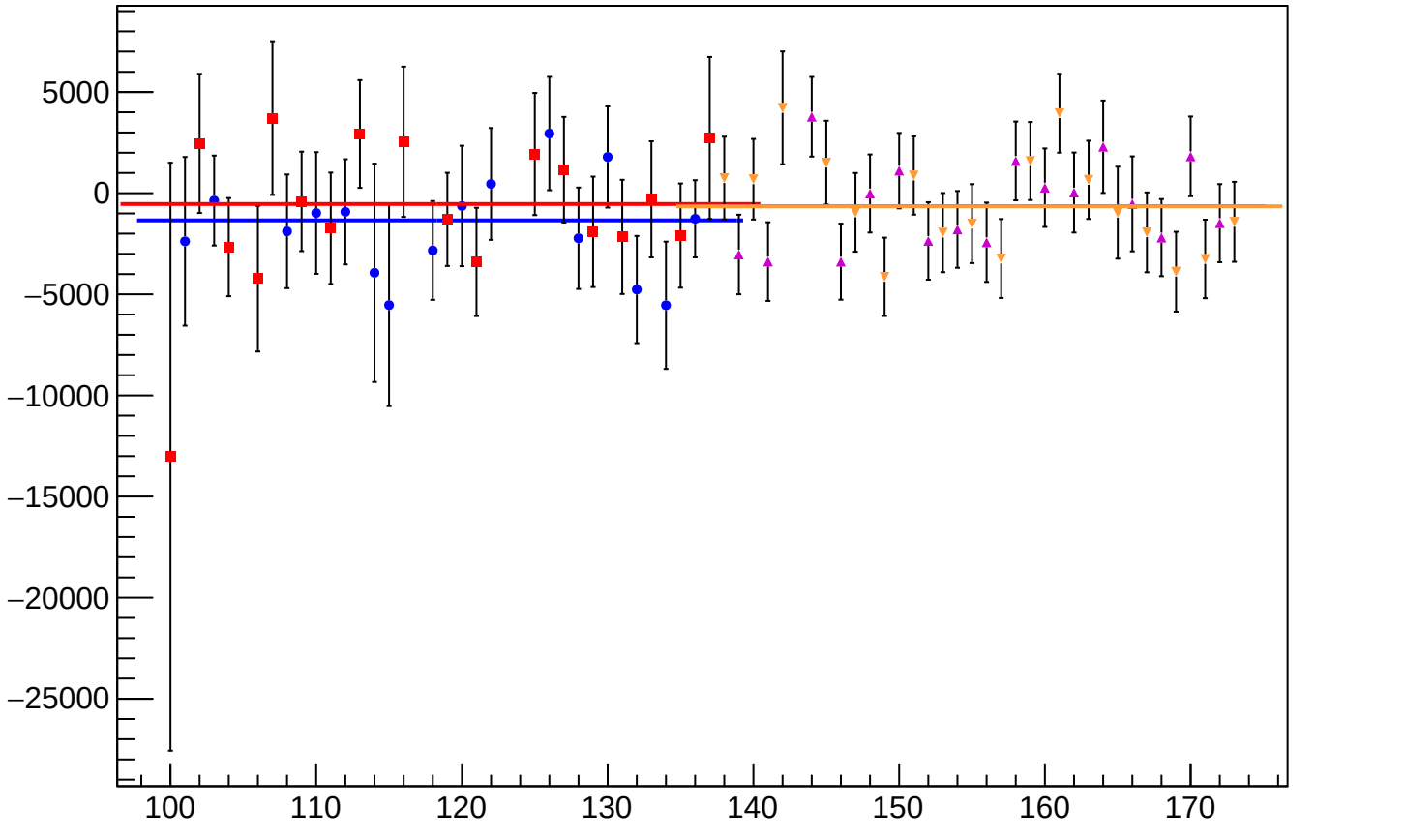
Left: 764.958+/-0.103 χ^2/NDF: 730714.1/34

Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 827.119+/-0.132 χ^2/NDF:3246143.2/32

Out: 801.991+/-0.129 χ^2/NDF:3827891.9/35

All: 814.190+/-0.092 χ^2/NDF: 7092586.3/68



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: -648.167+/-473.339 χ^2/NDF:23.8/17

Right Out: -534.199+/-690.970 χ^2/NDF: 11.1/17

Left In: -638.955+/-477.381 χ^2/NDF:19.4/16

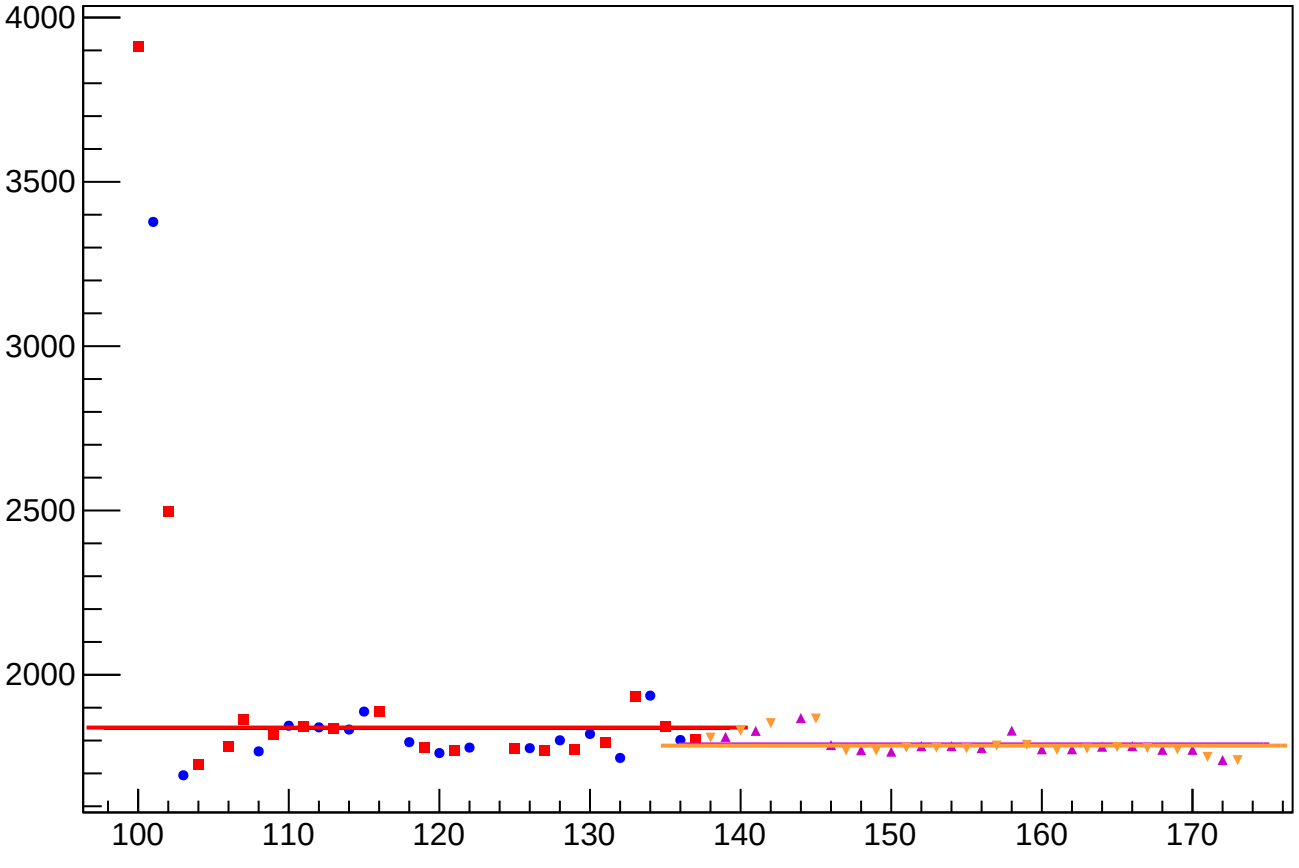
Left: -643.600+/-336.121 χ^2/NDF: 43.1/34

Right: -939.094+/-488.579 χ^2/NDF: 21.4/33

In: -866.753+/-392.755 χ^2/NDF:29.7/32

Out: -611.767+/-390.500 χ^2/NDF:34.9/35

All: -738.526+/-276.919 χ^2/NDF: 64.8/68



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1784.586+/-0.335 χ^2/NDF:7857.3/17

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1788.196+/-0.338 χ^2/NDF:7712.8/16

Left: 1786.376+/-0.238 χ^2/NDF: 15627.7/34

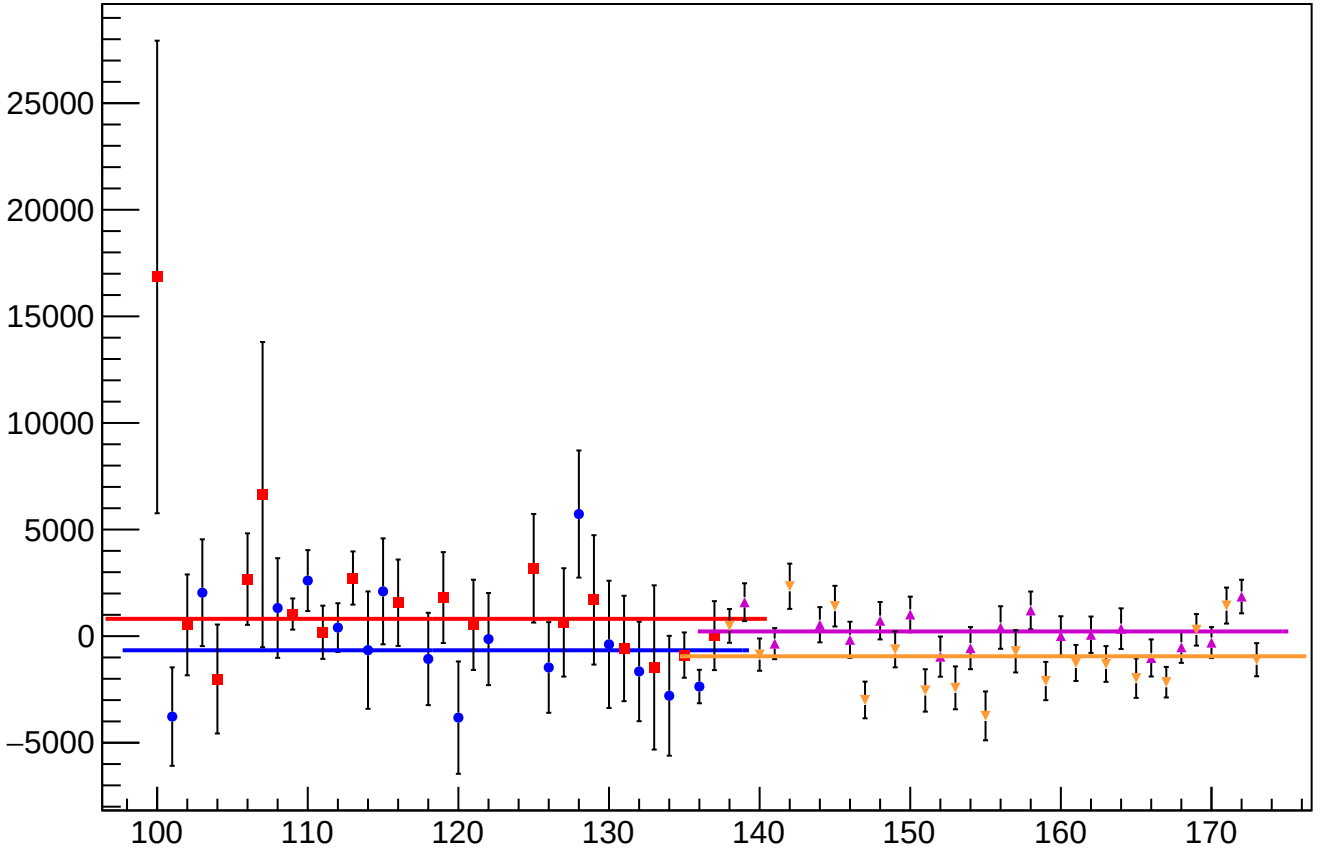
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1804.340+/-0.278 χ^2/NDF:306775.6/32

Out: 1802.131+/-0.276 χ^2/NDF:144713.7/35

All: 1803.229+/-0.196 χ^2/NDF: 451521.2/68

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: -943.973+/-204.474 χ^2/NDF:52.4/17

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 220.514+/-206.193 χ^2/NDF:16.1/16

Left: -366.605+/-145.189 χ^2/NDF: 84.6/34

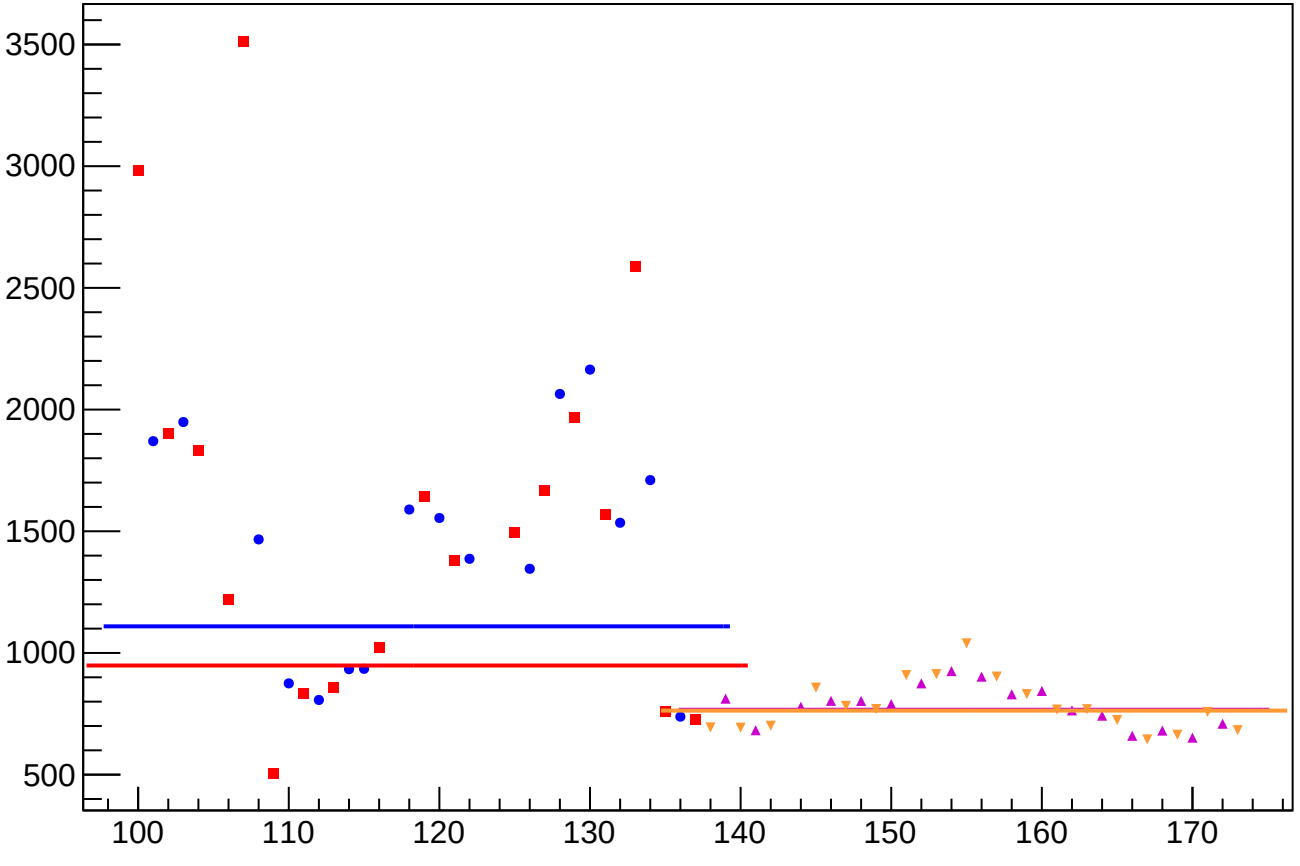
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: 64.790+/-187.153 χ^2/NDF:42.1/32

Out: -576.054+/-181.798 χ^2/NDF:80.1/35

All: -264.931+/-130.402 χ^2/NDF: 128.2/68

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 763.179+/-0.145 χ^2/NDF:430257.8/17

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 766.767+/-0.146 χ^2/NDF:300151.3/16

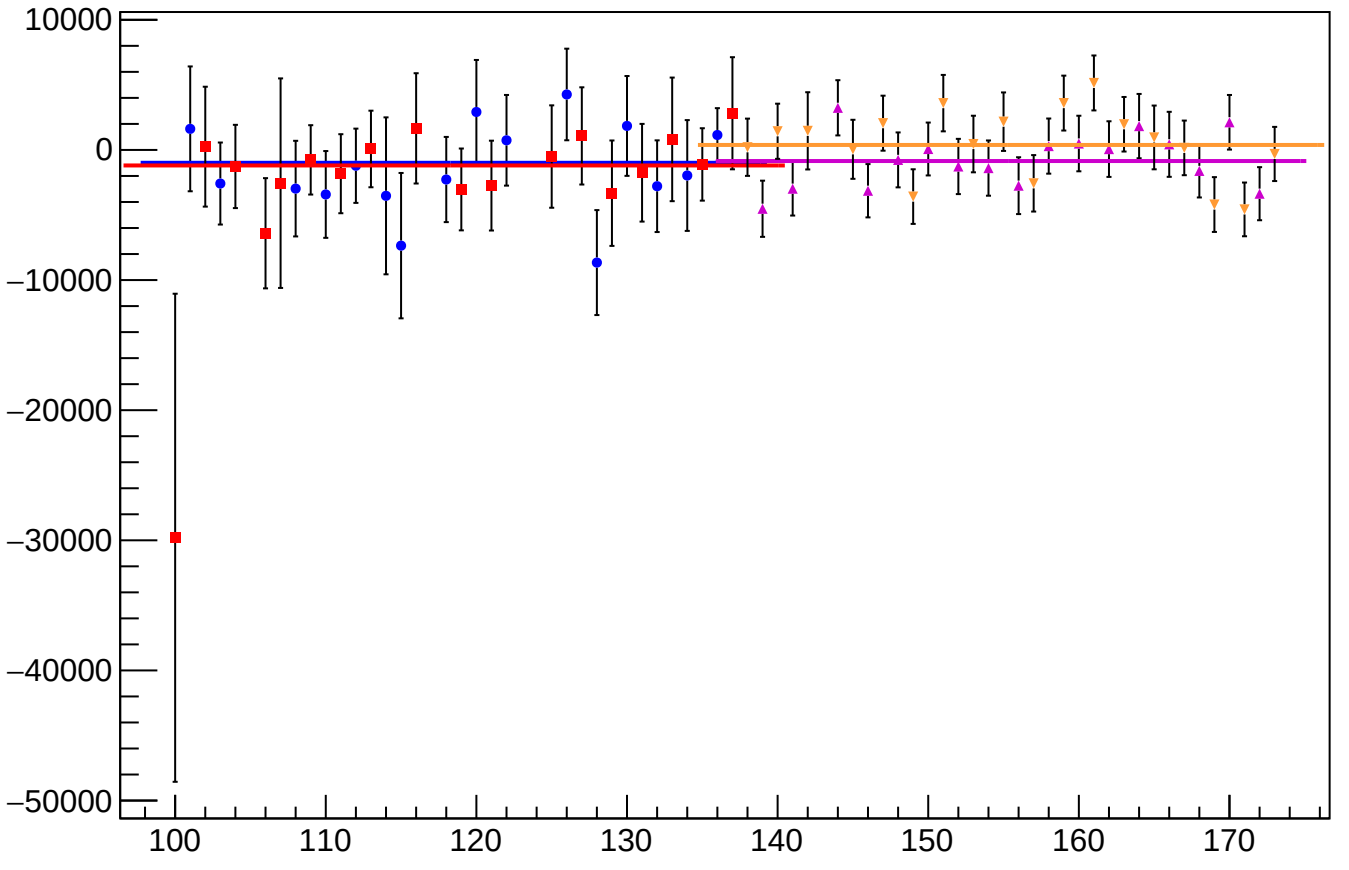
Left: 764.958+/-0.103 χ^2/NDF: 730714.5/34

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 827.120+/-0.132 χ^2/NDF:3246128.2/32

Out: 801.992+/-0.129 χ^2/NDF:3827863.8/35

All: 814.191+/-0.092 χ^2/NDF: 7092542.1/68



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 383.345+/-514.099 χ^2/NDF:27.9/17

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -852.346+/-518.332 χ^2/NDF:16.0/16

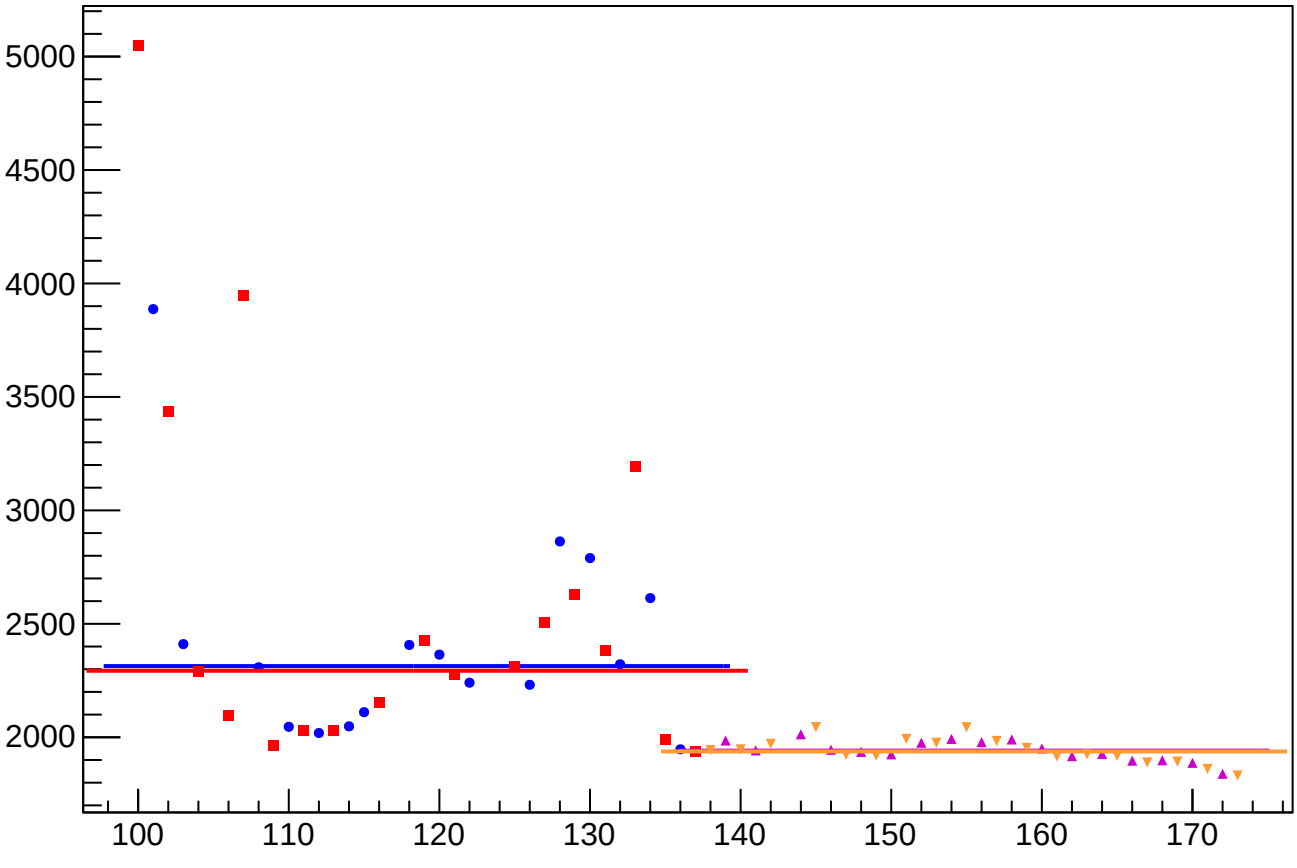
Left: -229.435+/-365.010 χ^2/NDF: 46.8/34

Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -887.531+/-445.804 χ^2/NDF:28.0/32

Out: -24.117+/-442.656 χ^2/NDF:37.3/35

All: -452.765+/-314.112 χ^2/NDF: 67.2/68



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1937.669+/-0.364 χ^2/NDF:22821.0/17

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1941.238+/-0.367 χ^2/NDF:14855.0/16

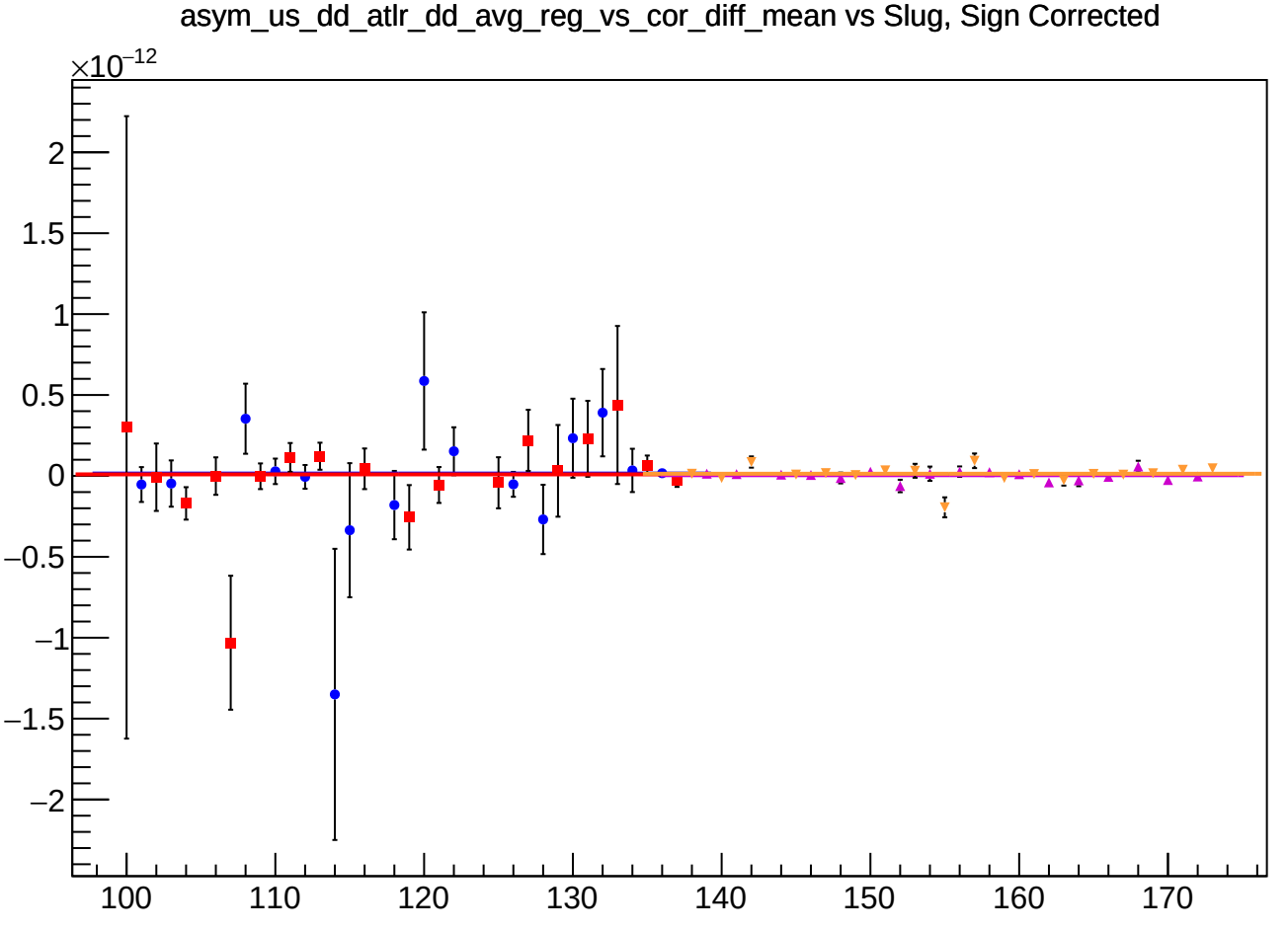
Left: 1939.439+/-0.258 χ^2/NDF: 37723.8/34

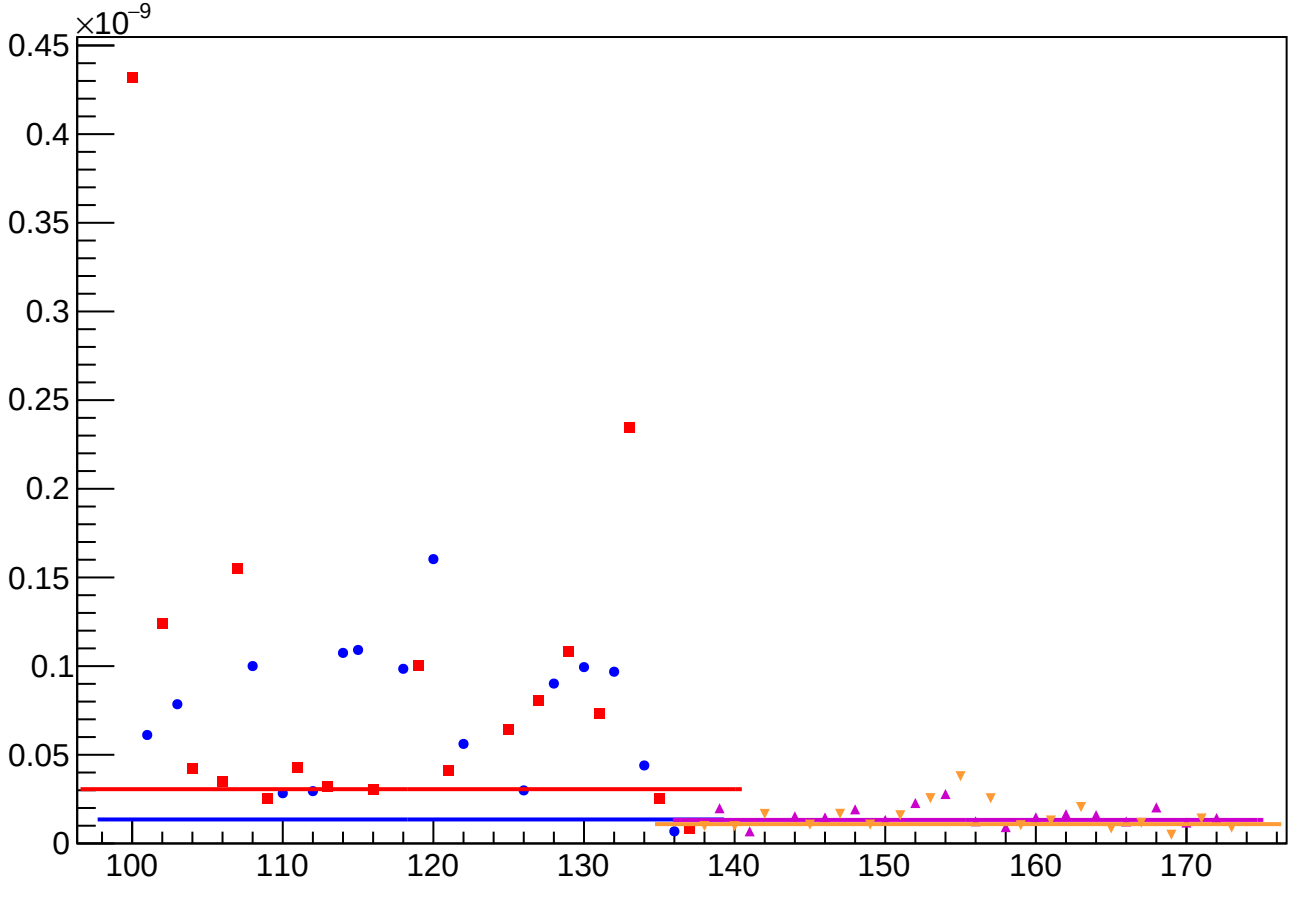
Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2038.190+/-0.315 χ^2/NDF:686454.5/32

Out: 2029.637+/-0.313 χ^2/NDF:723503.7/35

All: 2033.883+/-0.222 χ^2/NDF: 1410329.0/68


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: 0.000+/-0.000 χ²/NDF:28.5/17
Right Out: 0.000+/-0.000 χ²/NDF: 19.5/17
Left In: 0.000+/-0.000 χ²/NDF:13.1/16
Left: 0.000+/-0.000 χ²/NDF: 42.7/34
Right: 0.000+/-0.000 χ²/NDF: 34.5/33
In: 0.000+/-0.000 χ²/NDF:28.5/32
Out: 0.000+/-0.000 χ²/NDF:48.0/35
All: 0.000+/-0.000 χ²/NDF: 77.3/68



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1721437.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1141700.3/16

Left: 0.000+/-0.000 χ^2/NDF: 3027604.9/34

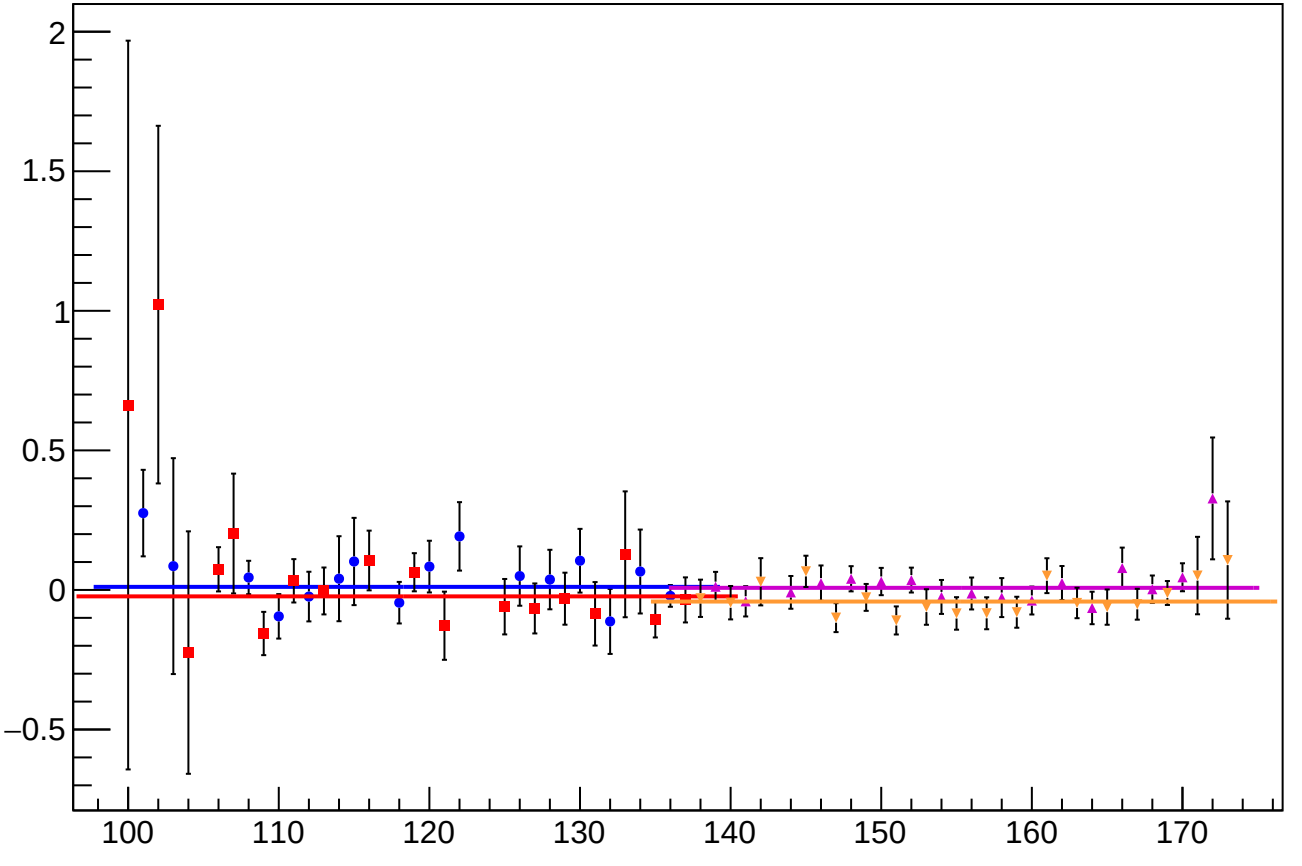
Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:4558326.0/32

Out: 0.000+/-0.000 χ^2/NDF:5345334.7/35

All: 0.000+/-0.000 χ^2/NDF: 9974951.1/68

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:13.1/17

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.008+/-0.014 χ^2/NDF:8.8/16

Left: -0.016+/-0.010 χ^2/NDF: 28.2/34

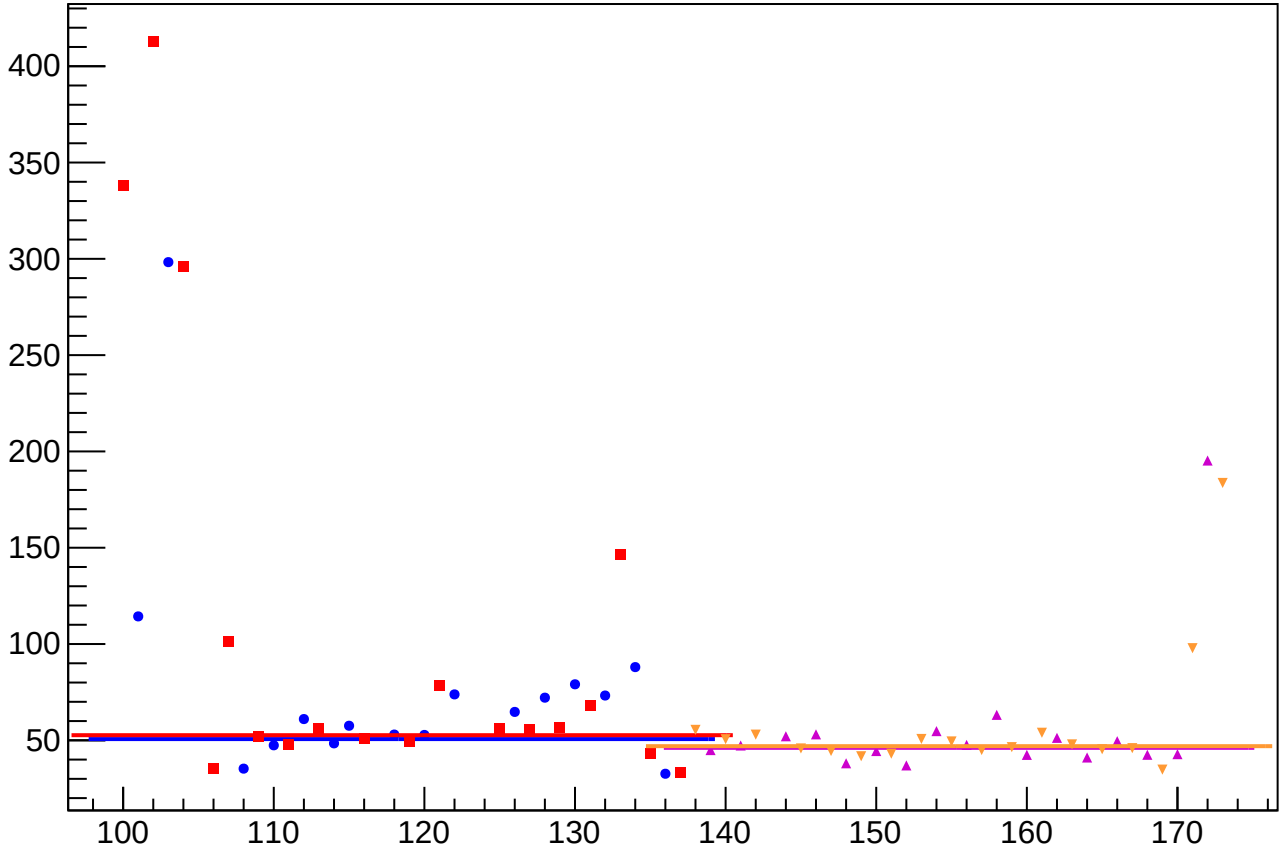
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.009+/-0.012 χ^2/NDF:20.6/32

Out: -0.037+/-0.012 χ^2/NDF:29.5/35

All: -0.013+/-0.008 χ^2/NDF: 57.4/68

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 46.962+/-0.010 χ^2/NDF:1406569.0/17

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.107+/-0.010 χ^2/NDF:1357017.0/16

Left: 46.523+/-0.007 χ^2/NDF: 2767433.5/34

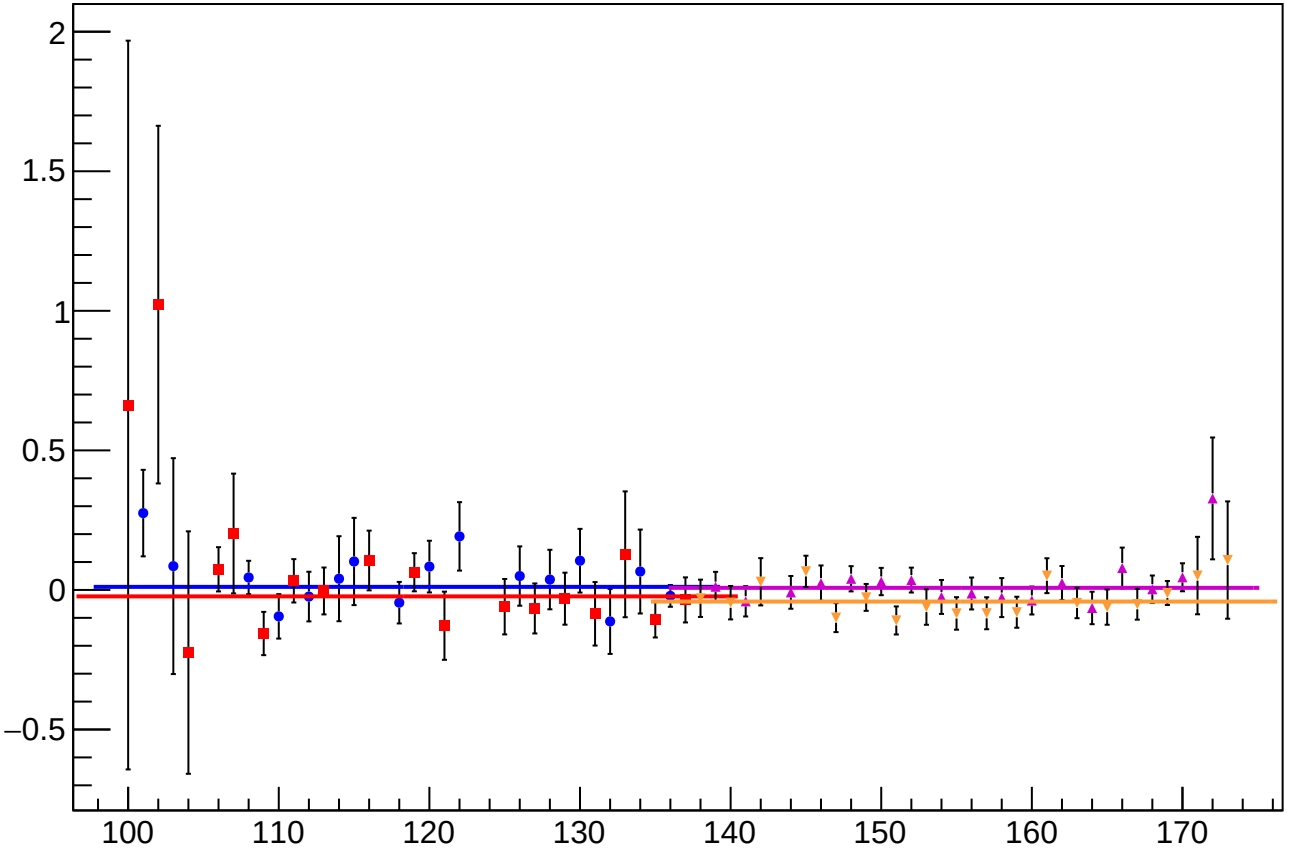
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.372+/-0.008 χ^2/NDF:3685567.4/32

Out: 48.490+/-0.008 χ^2/NDF:3707696.9/35

All: 47.911+/-0.006 χ^2/NDF: 7402307.4/68

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:13.1/17

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.008+/-0.014 χ^2/NDF:8.8/16

Left: -0.016+/-0.010 χ^2/NDF: 28.2/34

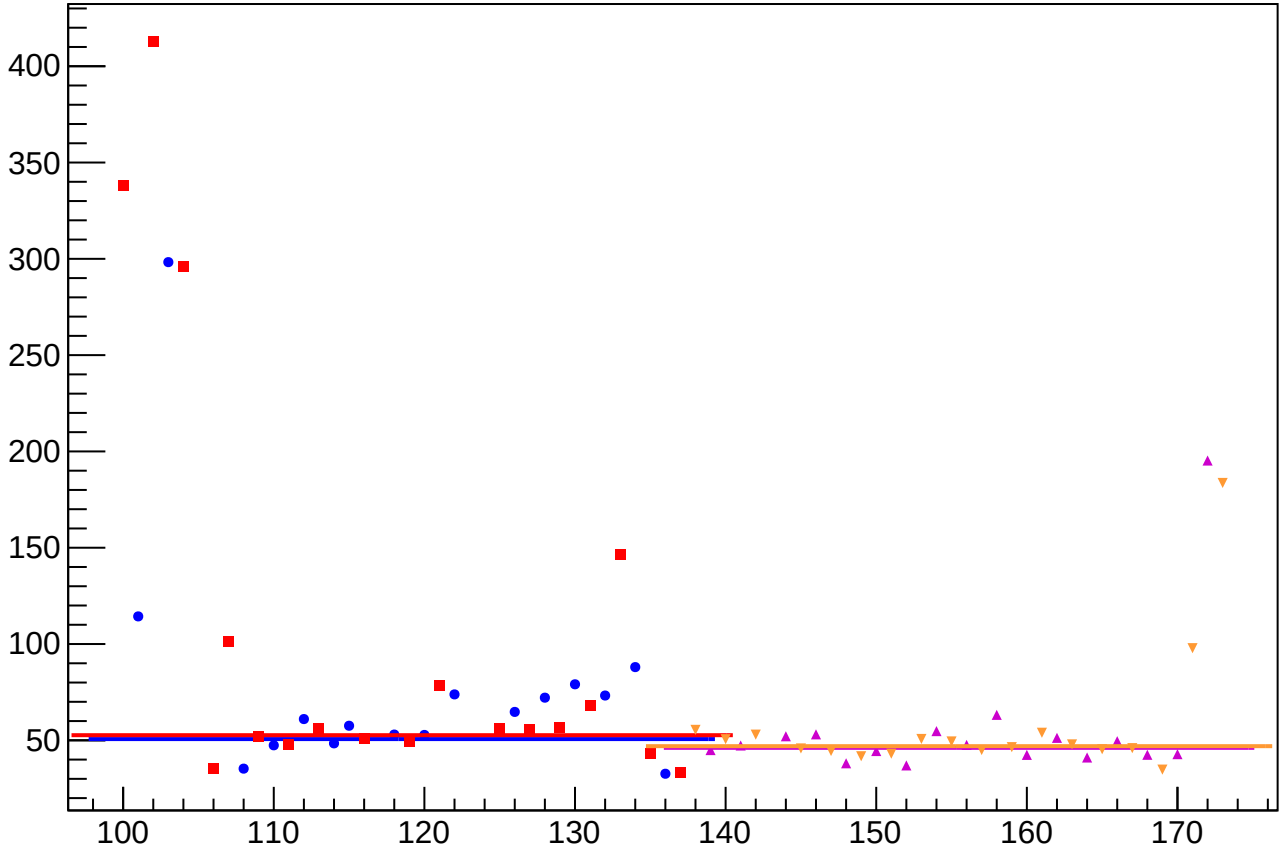
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.009+/-0.012 χ^2/NDF:20.6/32

Out: -0.037+/-0.012 χ^2/NDF:29.5/35

All: -0.013+/-0.008 χ^2/NDF: 57.4/68

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 46.962+/-0.010 χ^2/NDF:1406569.0/17

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.107+/-0.010 χ^2/NDF:1357017.0/16

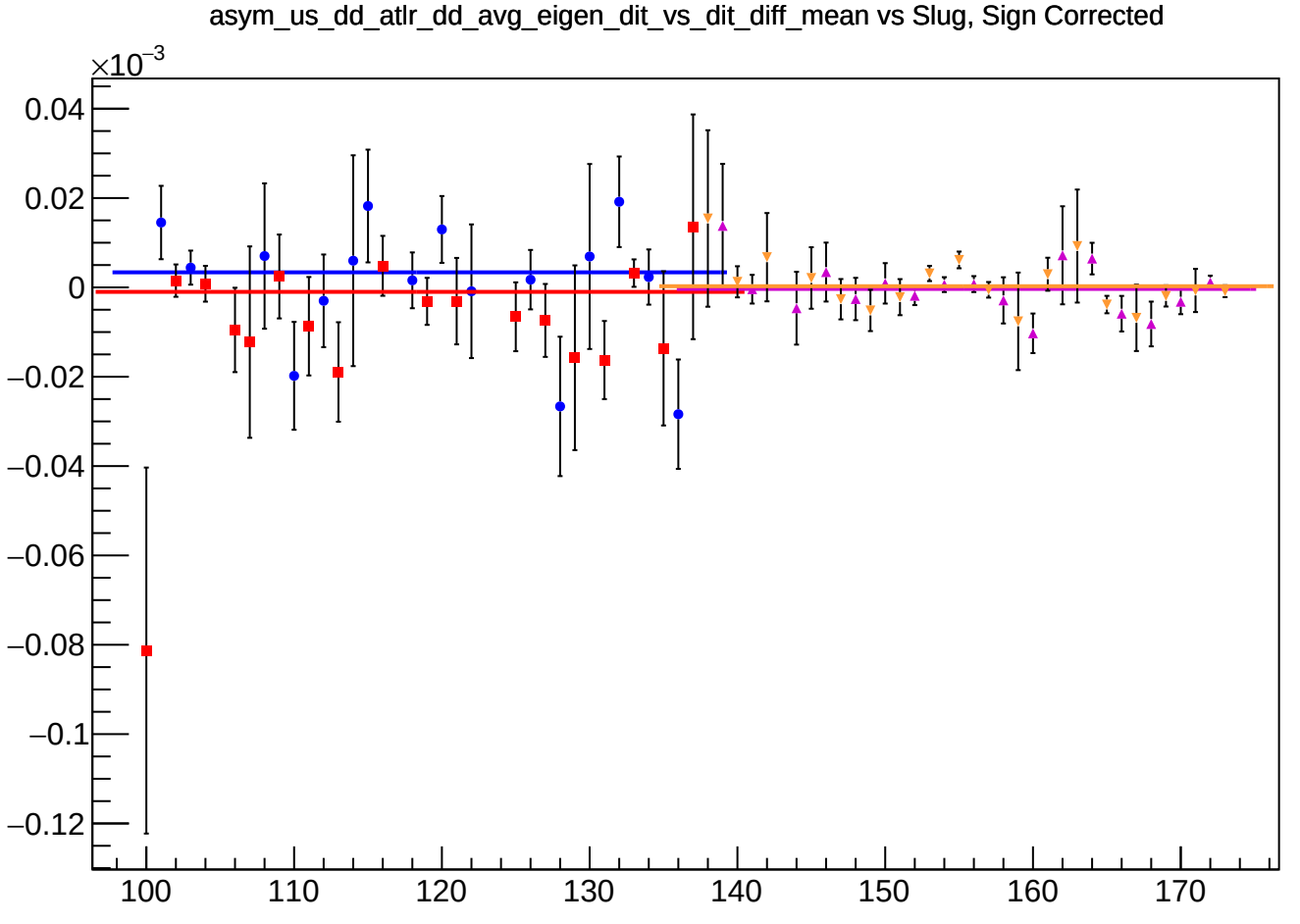
Left: 46.523+/-0.007 χ^2/NDF: 2767433.5/34

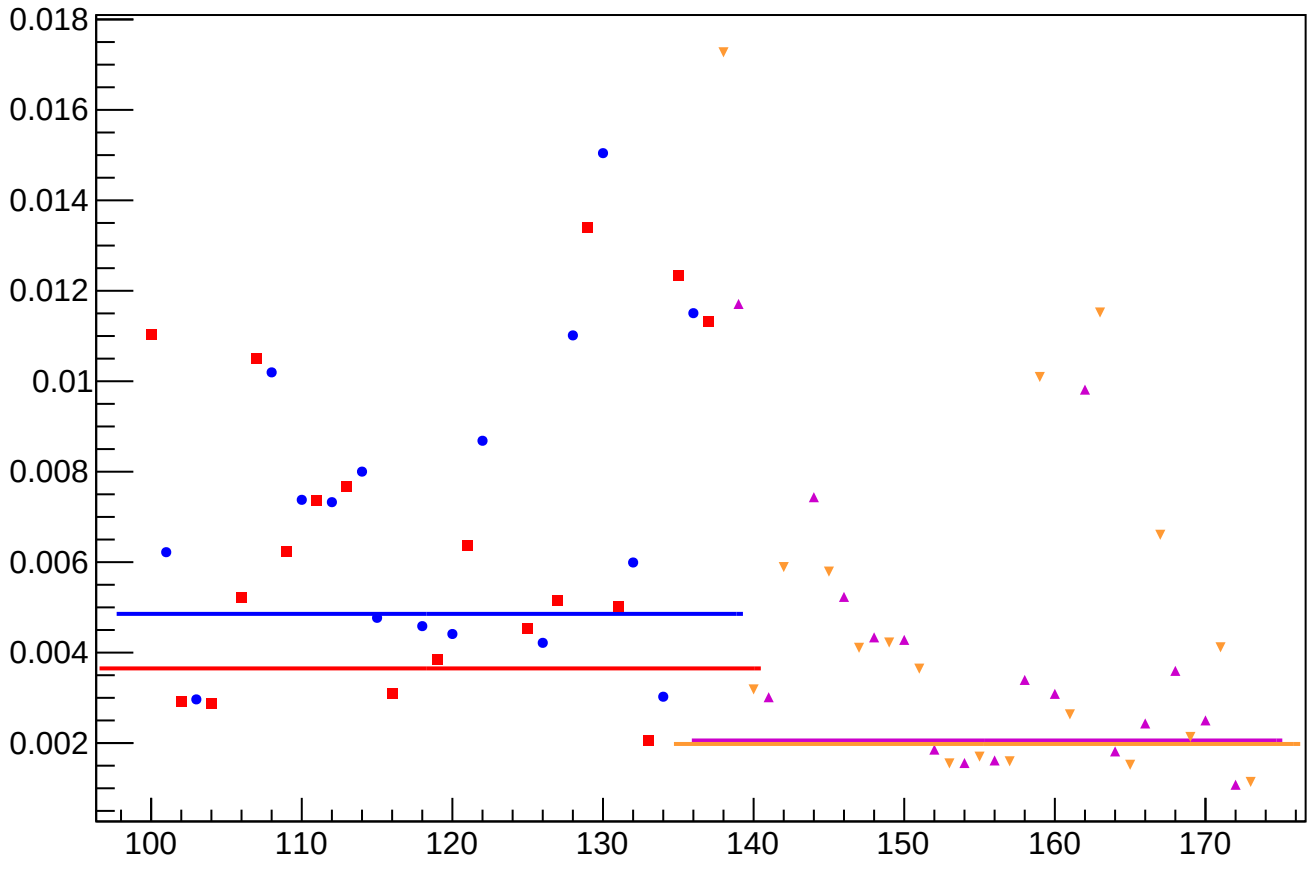
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.372+/-0.008 χ^2/NDF:3685567.4/32

Out: 48.490+/-0.008 χ^2/NDF:3707696.9/35

All: 47.911+/-0.006 χ^2/NDF: 7402307.4/68


asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 22.2/15
Left Out: 0.000+/-0.000 χ²/NDF:24.7/17
Right Out: -0.000+/-0.000 χ²/NDF: 17.2/17
Left In: -0.000+/-0.000 χ²/NDF:19.0/16
Left: -0.000+/-0.000 χ²/NDF: 44.1/34
Right: 0.000+/-0.000 χ²/NDF: 42.3/33
In: 0.000+/-0.000 χ²/NDF:44.1/32
Out: 0.000+/-0.000 χ²/NDF:42.5/35
All: 0.000+/-0.000 χ²/NDF: 86.6/68



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:8274161.5/17

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:6103294.2/16

Left: 0.002+/-0.000 χ^2/NDF: 14390245.7/34

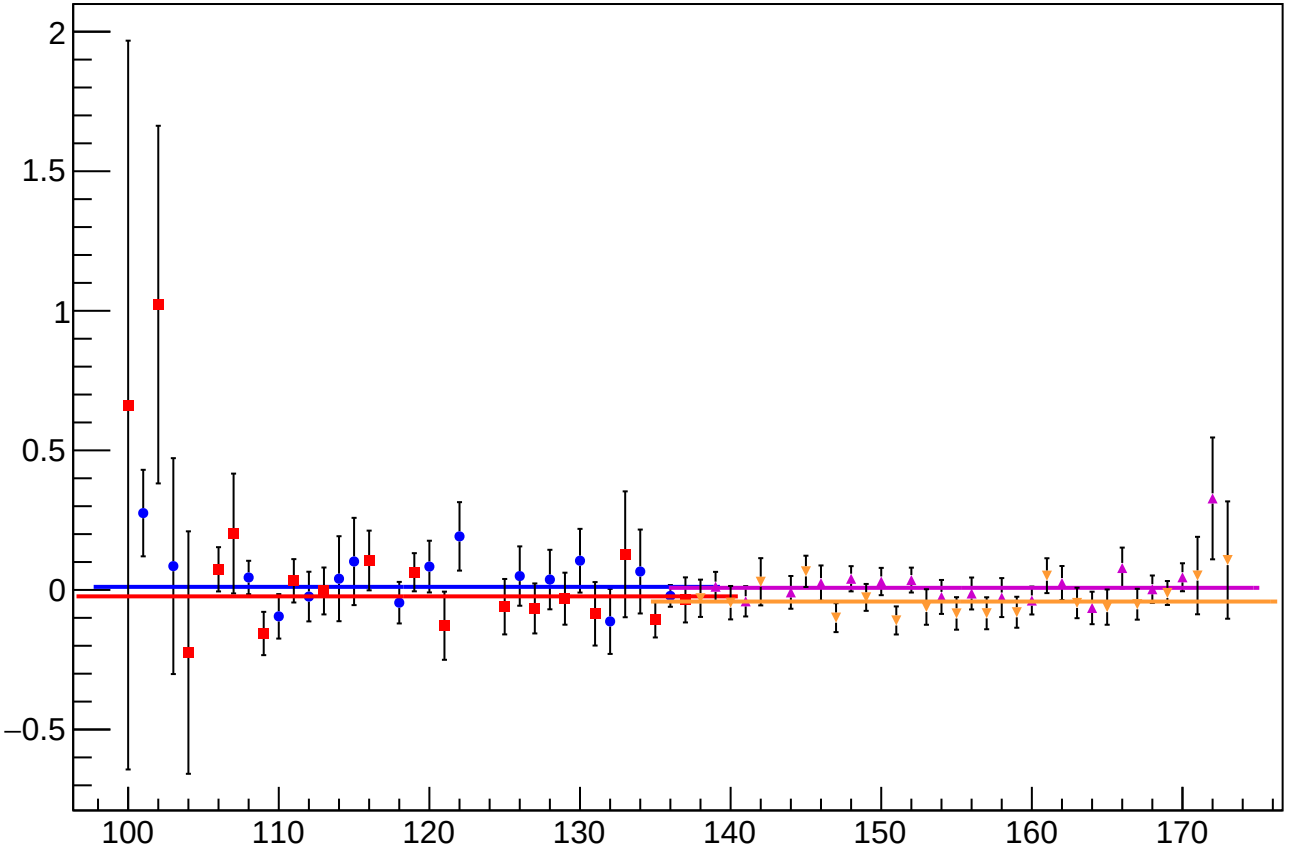
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.002+/-0.000 χ^2/NDF:12094536.2/32

Out: 0.002+/-0.000 χ^2/NDF:13324440.4/35

All: 0.002+/-0.000 χ^2/NDF: 25457304.2/68

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: -0.042+/-0.014 χ^2/NDF:13.1/17

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.008+/-0.014 χ^2/NDF:8.8/16

Left: -0.016+/-0.010 χ^2/NDF: 28.2/34

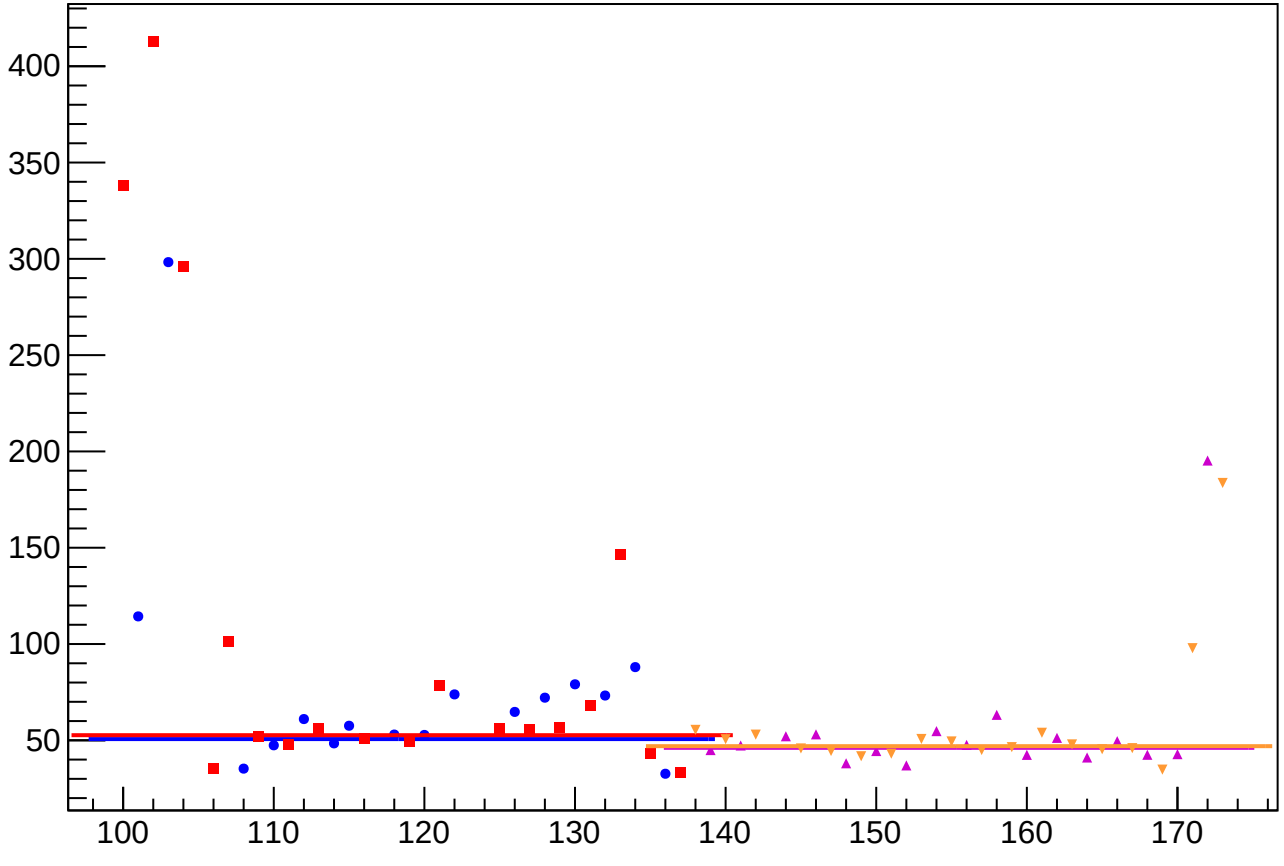
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.009+/-0.012 χ^2/NDF:20.6/32

Out: -0.037+/-0.012 χ^2/NDF:29.5/35

All: -0.013+/-0.008 χ^2/NDF: 57.4/68

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 46.962+/-0.010 χ^2/NDF:1406580.3/17

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 46.107+/-0.010 χ^2/NDF:1356959.1/16

Left: 46.523+/-0.007 χ^2/NDF: 2767381.7/34

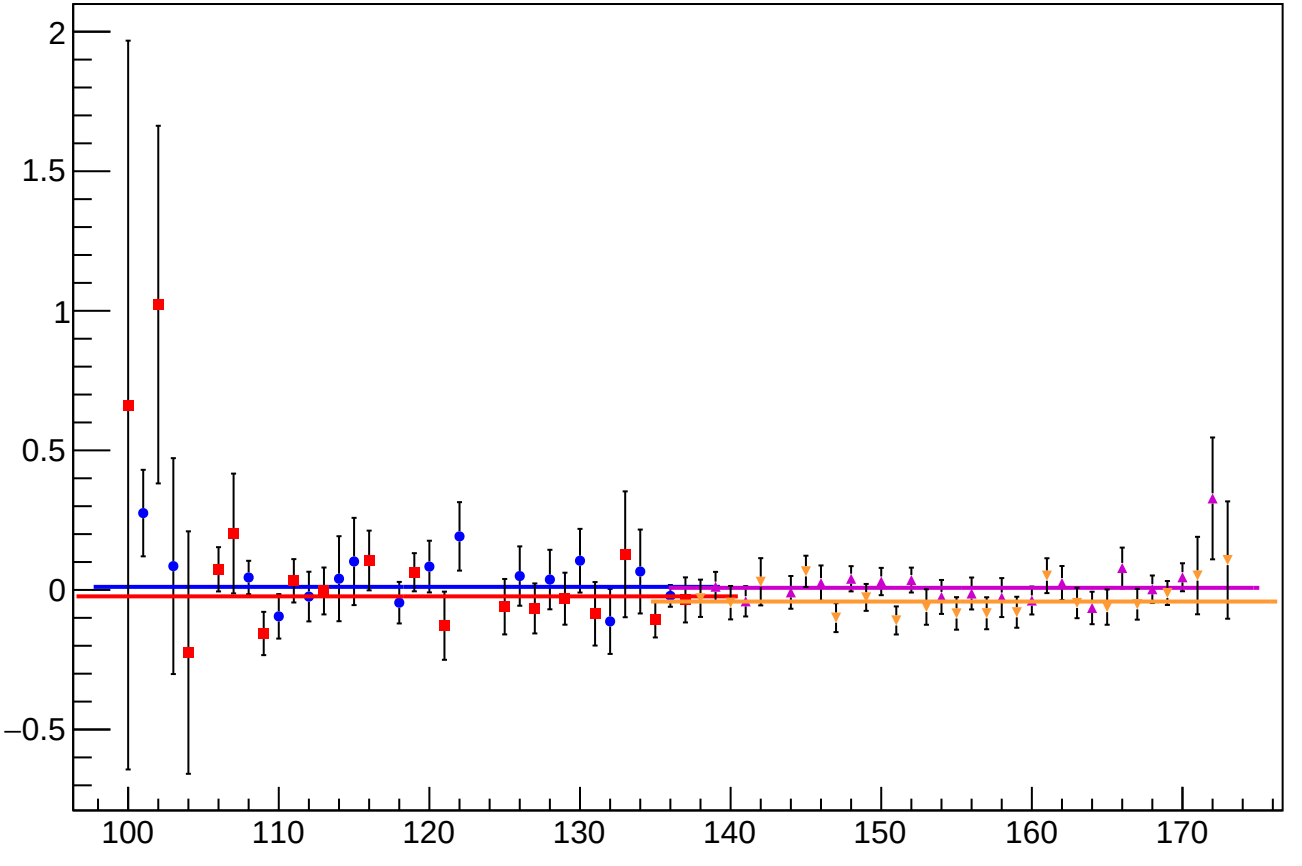
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.372+/-0.008 χ^2/NDF:3685417.6/32

Out: 48.490+/-0.008 χ^2/NDF:3707626.7/35

All: 47.911+/-0.006 χ^2/NDF: 7402081.5/68

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: -0.042+/-0.014 χ^2/NDF:13.1/17

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.008+/-0.014 χ^2/NDF:8.8/16

Left: -0.016+/-0.010 χ^2/NDF: 28.2/34

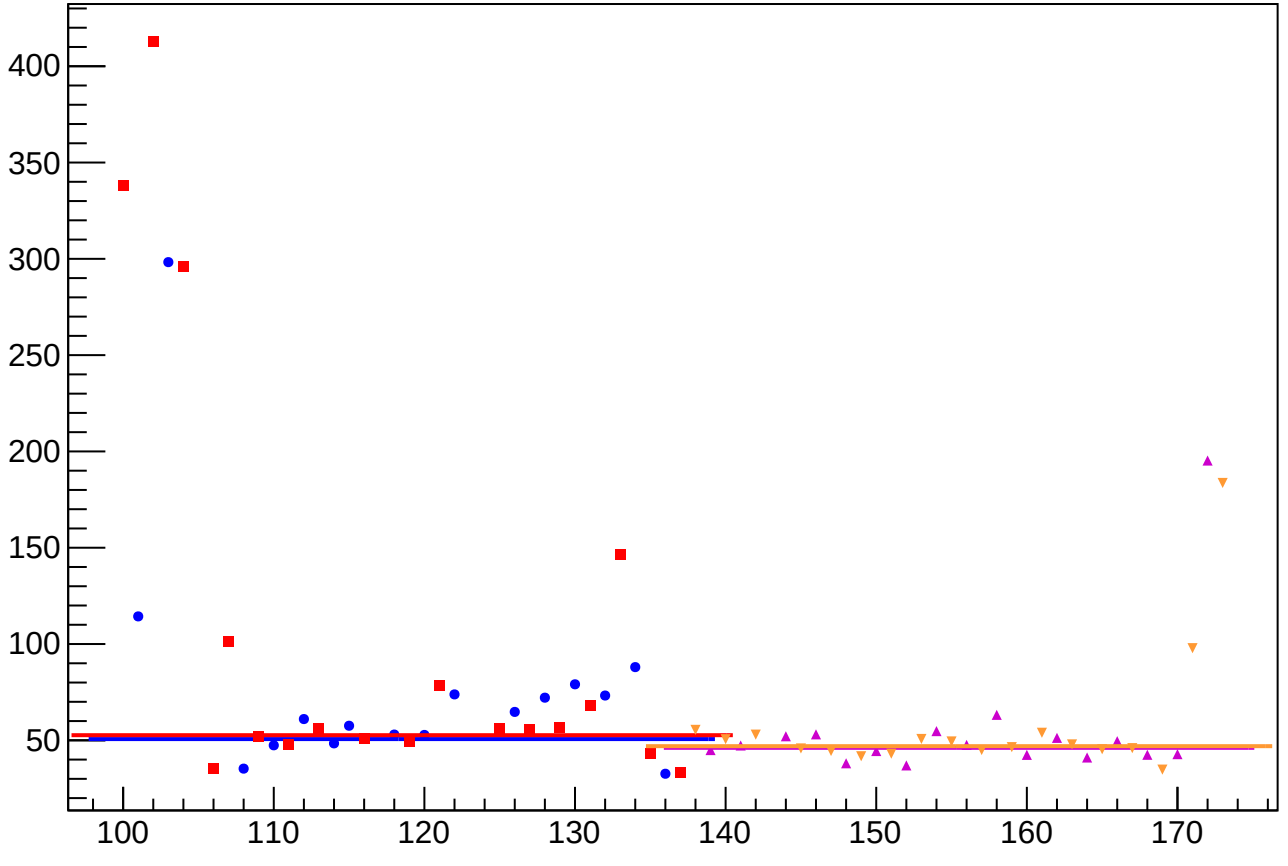
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.009+/-0.012 χ^2/NDF:20.6/32

Out: -0.037+/-0.012 χ^2/NDF:29.5/35

All: -0.013+/-0.008 χ^2/NDF: 57.4/68

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 46.962+/-0.010 χ^2/NDF:1406580.3/17

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 46.107+/-0.010 χ^2/NDF:1356959.1/16

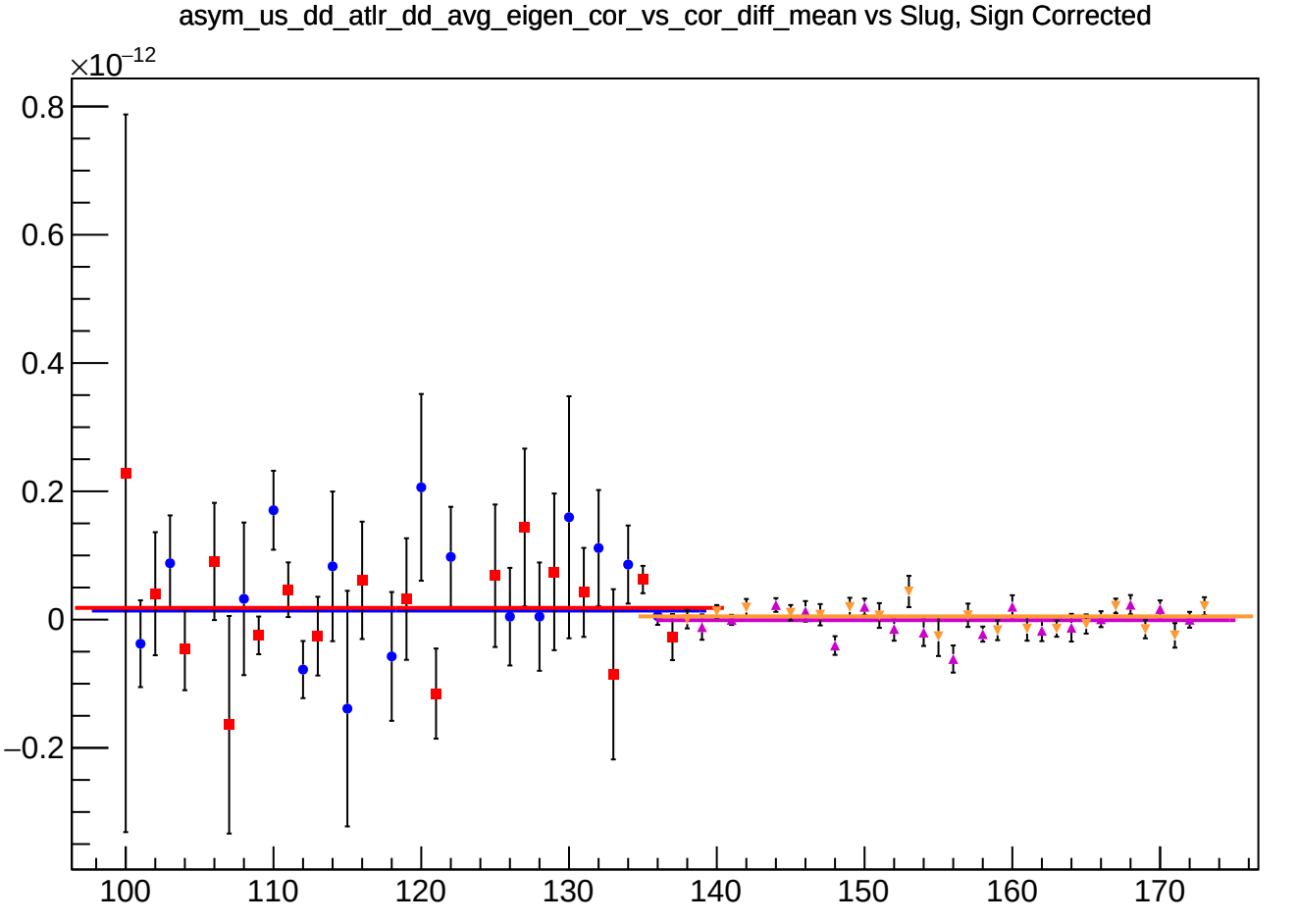
Left: 46.523+/-0.007 χ^2/NDF: 2767381.7/34

Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.372+/-0.008 χ^2/NDF:3685417.6/32

Out: 48.490+/-0.008 χ^2/NDF:3707626.7/35

All: 47.911+/-0.006 χ^2/NDF: 7402081.5/68



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:36.0/16

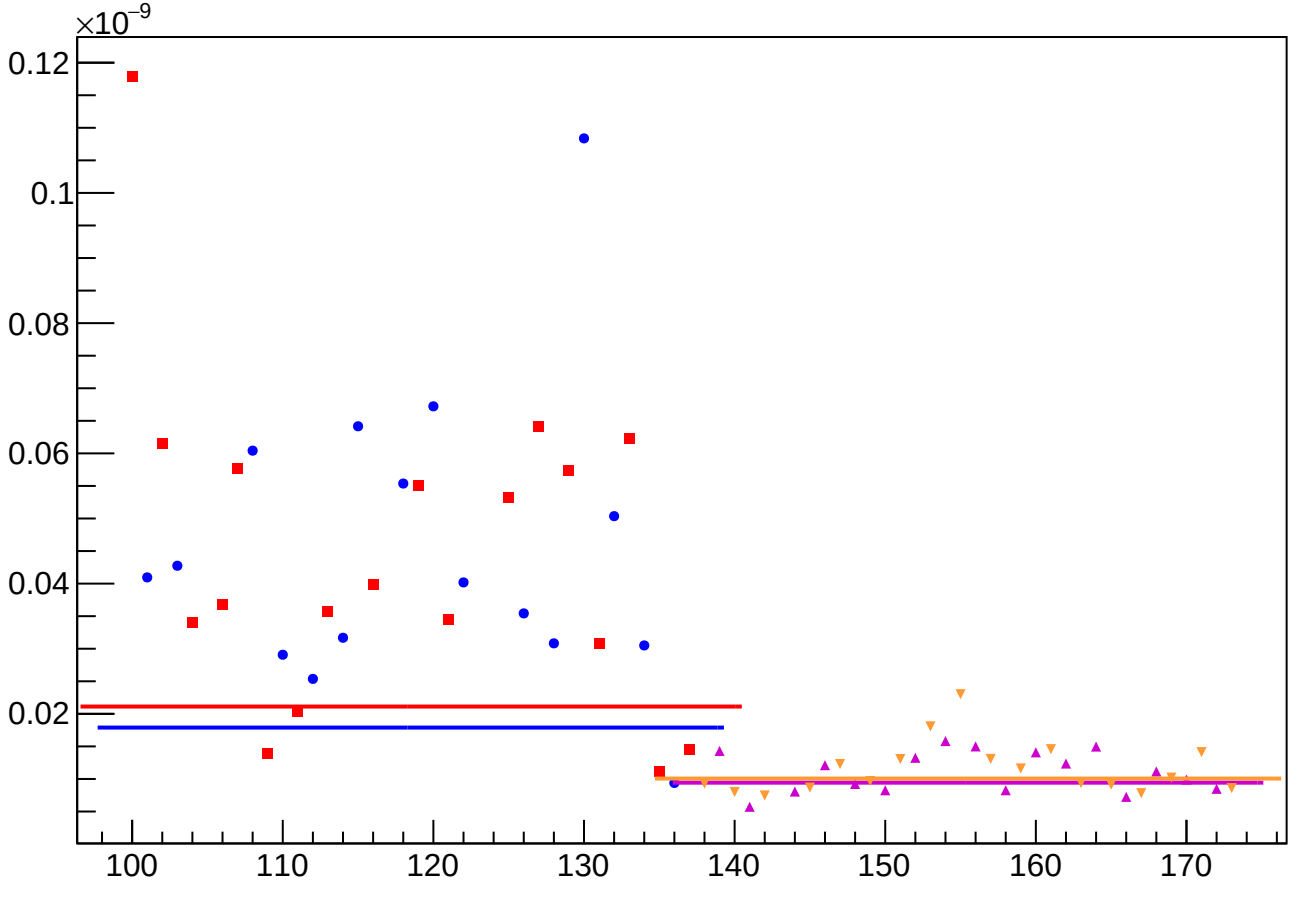
Left: 0.000+/-0.000 χ^2/NDF: 57.7/34

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: 0.000+/-0.000 χ^2/NDF:57.9/32

Out: 0.000+/-0.000 χ^2/NDF:39.2/35

All: 0.000+/-0.000 χ^2/NDF: 98.6/68



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1237436.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1539877.2/16

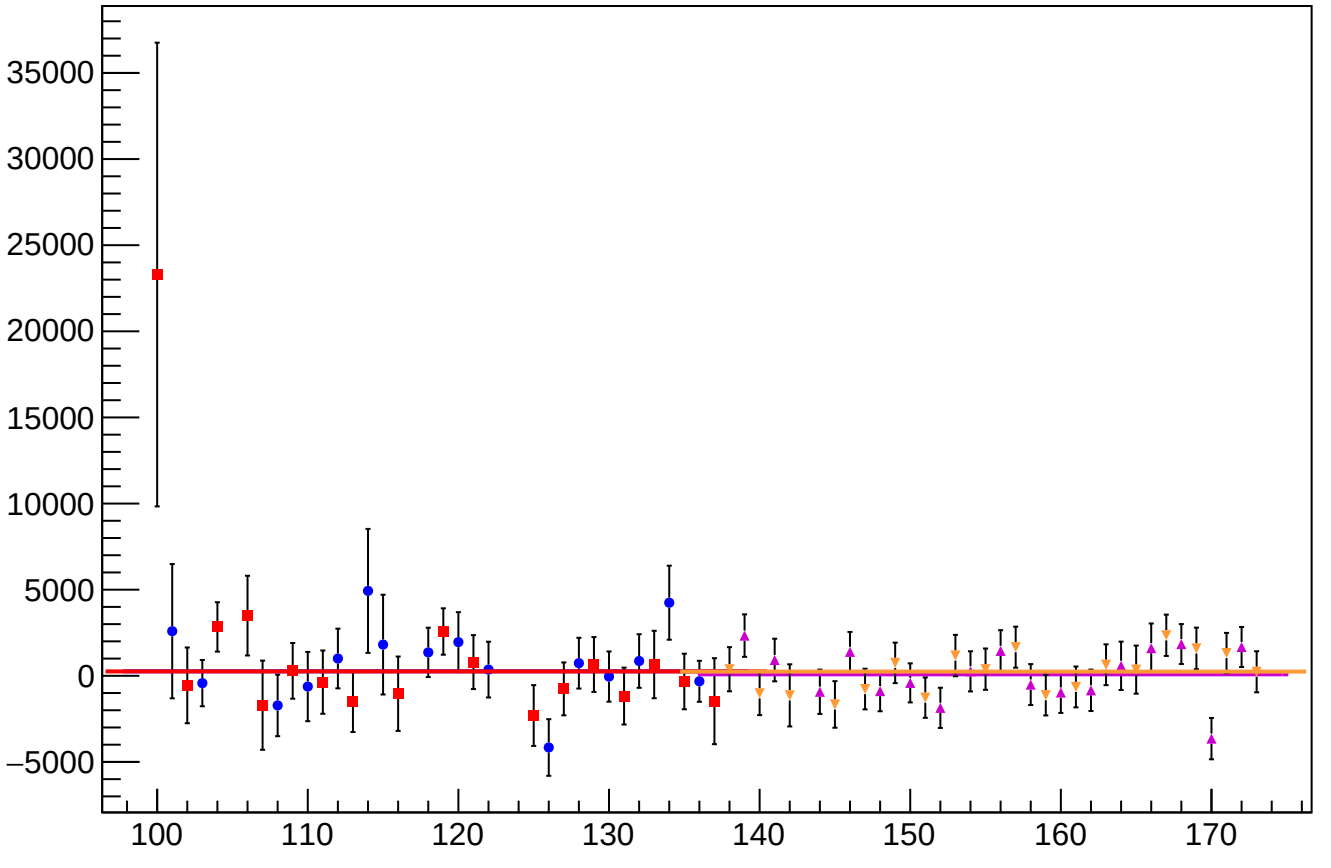
Left: 0.000+/-0.000 χ^2/NDF: 2811360.9/34

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:5965231.9/32

Out: 0.000+/-0.000 χ^2/NDF:5304171.2/35

All: 0.000+/-0.000 χ^2/NDF: 11320760.8/68



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: 244.785+/-290.829 χ^2/NDF:15.4/17

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: 85.596+/-293.398 χ^2/NDF:27.3/16

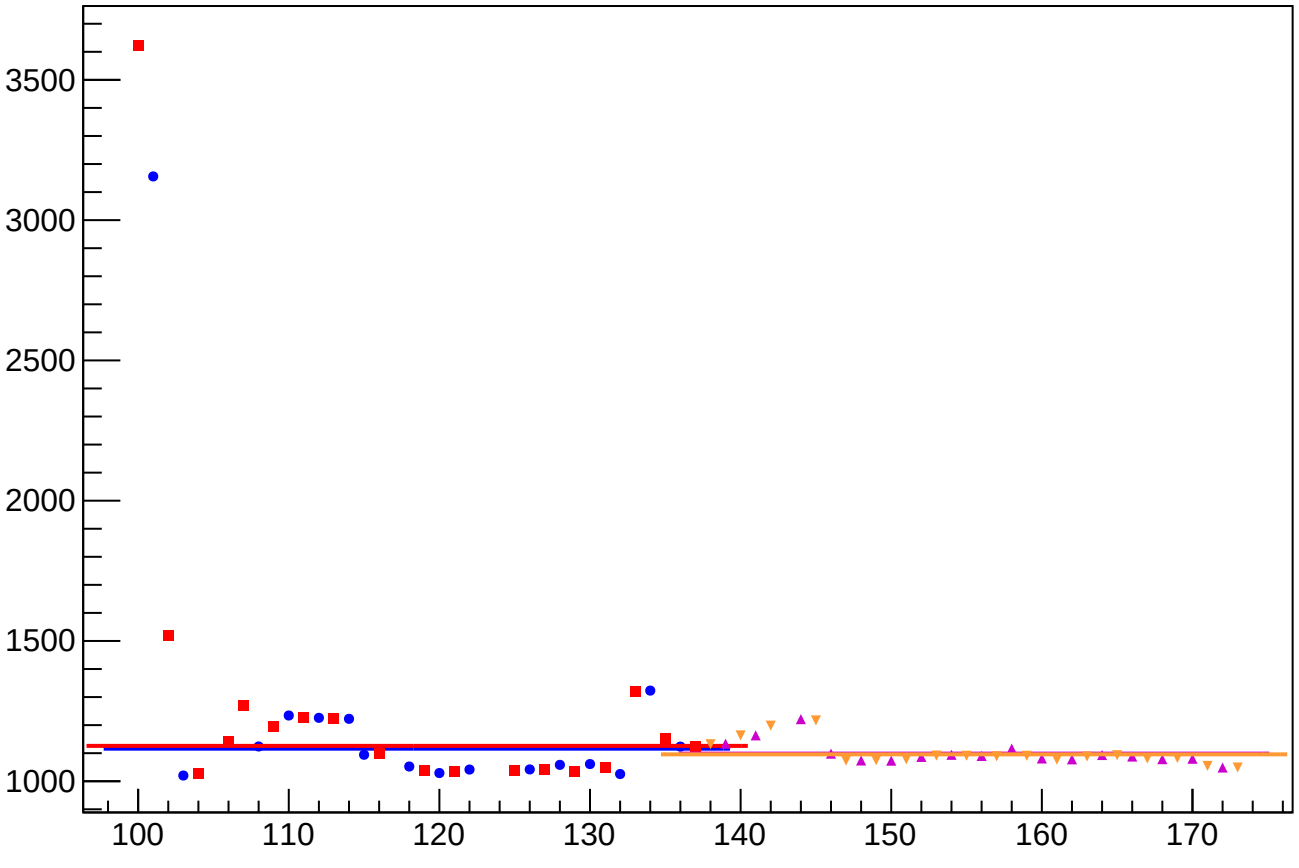
Left: 165.891+/-206.550 χ^2/NDF: 42.9/34

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 142.206+/-241.388 χ^2/NDF:44.4/32

Out: 248.332+/-240.154 χ^2/NDF:32.8/35

All: 195.541+/-170.249 χ^2/NDF: 77.3/68



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1095.841+/-0.206 χ^2/NDF:38384.8/17

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1098.470+/-0.207 χ^2/NDF:33822.8/16

Left: 1097.144+/-0.146 χ^2/NDF: 72288.6/34

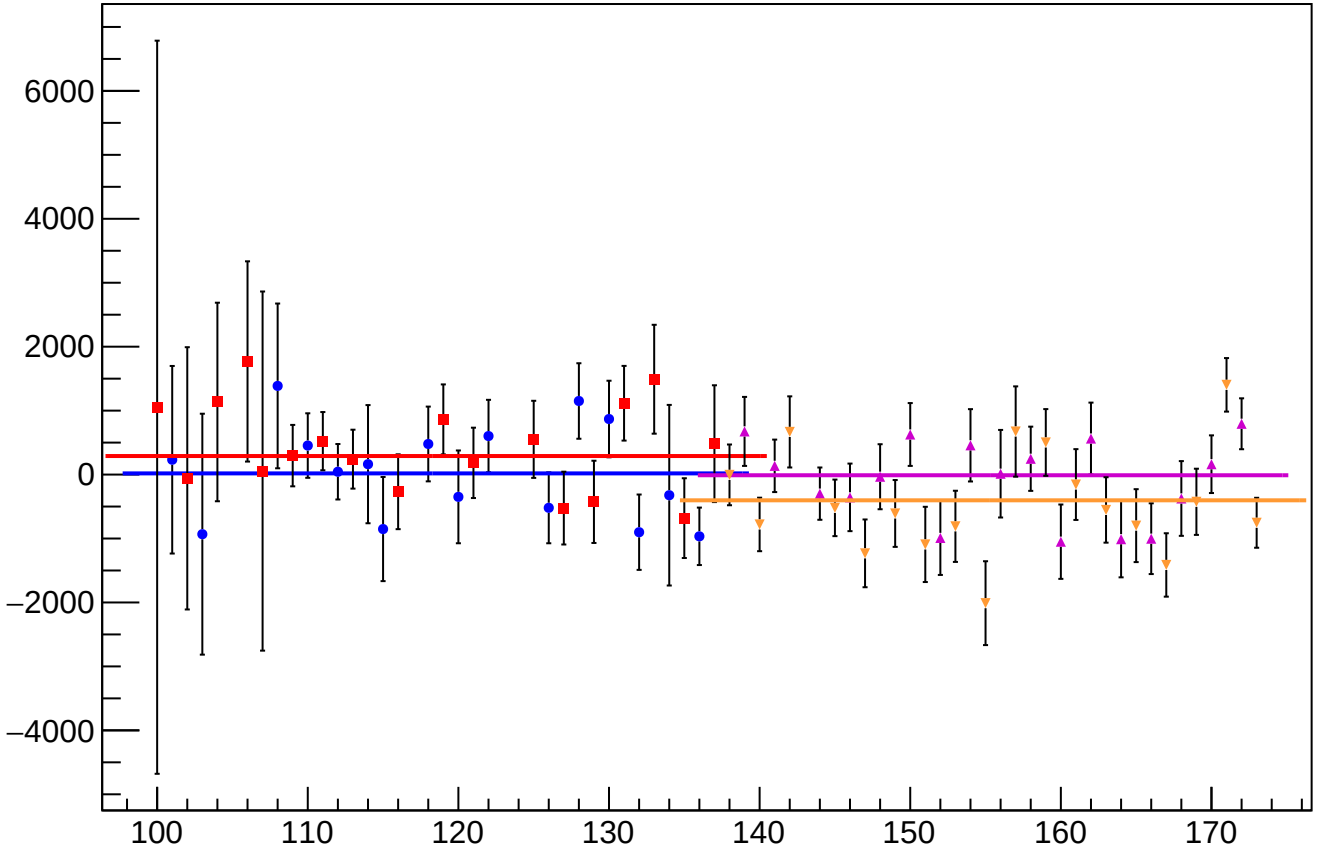
Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1104.163+/-0.171 χ^2/NDF:659544.0/32

Out: 1105.440+/-0.170 χ^2/NDF:267339.9/35

All: 1104.805+/-0.120 χ^2/NDF: 926912.1/68

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -402.553+/-119.466 χ^2/NDF:45.5/17

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: -10.599+/-123.549 χ^2/NDF:23.0/16

Left: -213.159+/-85.882 χ^2/NDF: 73.7/34

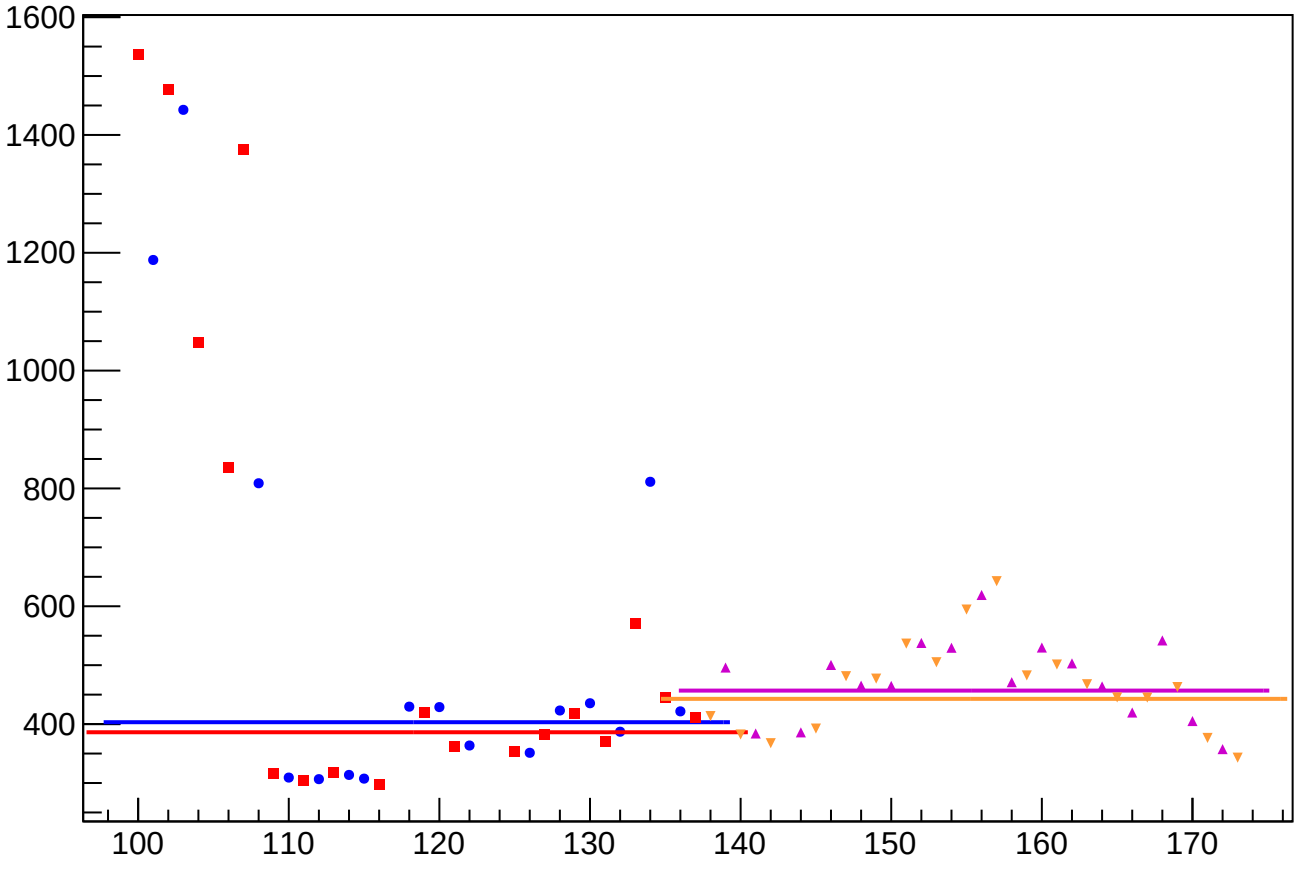
Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 0.154+/-98.068 χ^2/NDF:42.3/32

Out: -146.950+/-94.891 χ^2/NDF:71.4/35

All: -75.820+/-68.194 χ^2/NDF: 114.8/68

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: 442.830+/-0.084 χ^2/NDF:696243.3/17

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 456.864+/-0.087 χ^2/NDF:582103.8/16

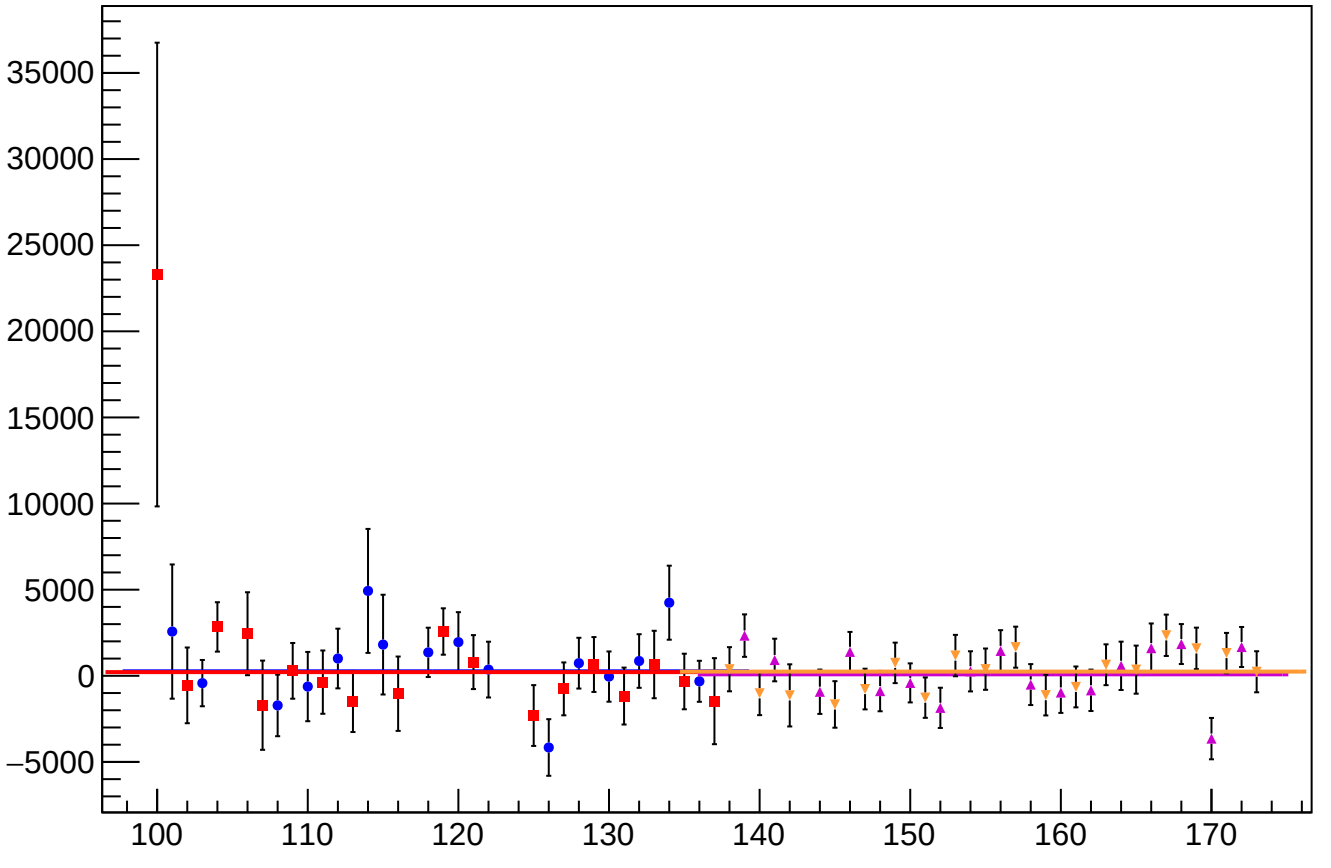
Left: 449.612+/-0.061 χ^2/NDF: 1291683.7/34

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 437.010+/-0.069 χ^2/NDF:2530156.9/32

Out: 421.908+/-0.067 χ^2/NDF:2621549.7/35

All: 429.210+/-0.048 χ^2/NDF: 5176200.8/68



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 244.753+/-290.829 χ^2/NDF:15.4/17

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 85.615+/-293.398 χ^2/NDF:27.3/16

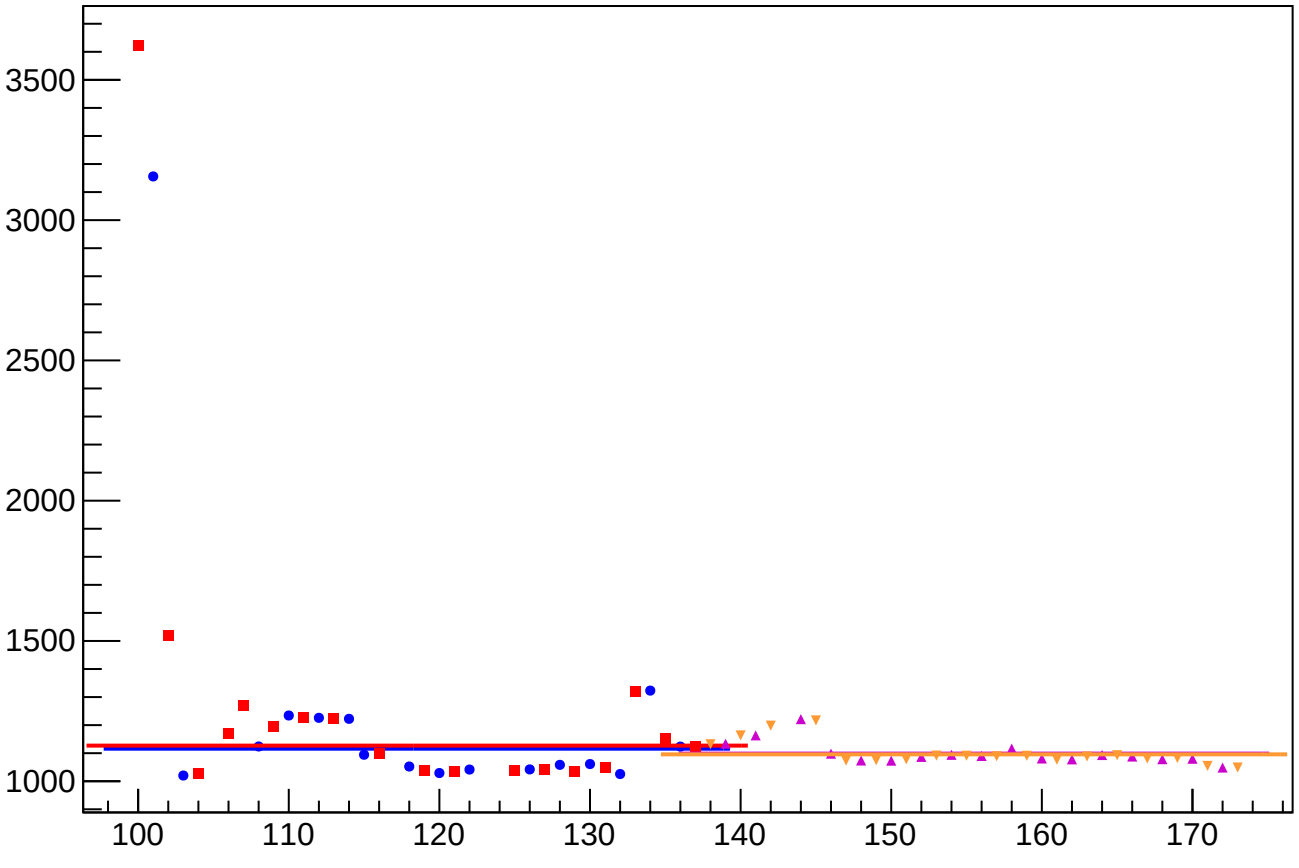
Left: 165.884+/-206.550 χ^2/NDF: 42.9/34

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 142.095+/-241.388 χ^2/NDF:44.4/32

Out: 235.146+/-240.254 χ^2/NDF:31.6/35

All: 188.840+/-170.285 χ^2/NDF: 76.1/68



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1095.841+/-0.206 χ^2/NDF:38384.8/17

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1098.470+/-0.207 χ^2/NDF:33822.8/16

Left: 1097.144+/-0.146 χ^2/NDF: 72288.6/34

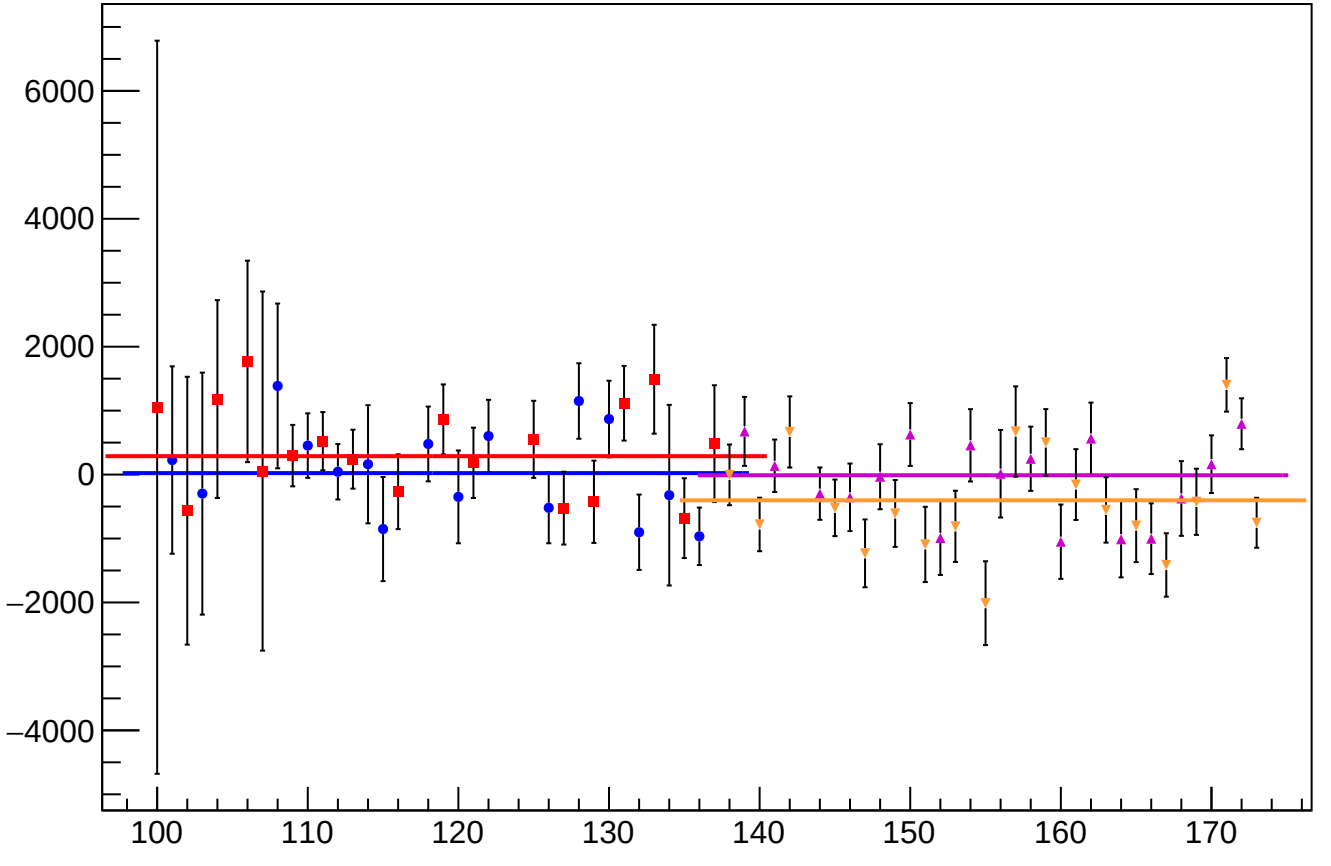
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1104.163+/-0.171 χ^2/NDF:659545.0/32

Out: 1105.723+/-0.170 χ^2/NDF:268396.7/35

All: 1104.947+/-0.120 χ^2/NDF: 927983.7/68

asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -402.607+/-119.465 χ^2/NDF:45.5/17

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -10.576+/-123.549 χ^2/NDF:23.0/16

Left: -213.177+/-85.882 χ^2/NDF: 73.7/34

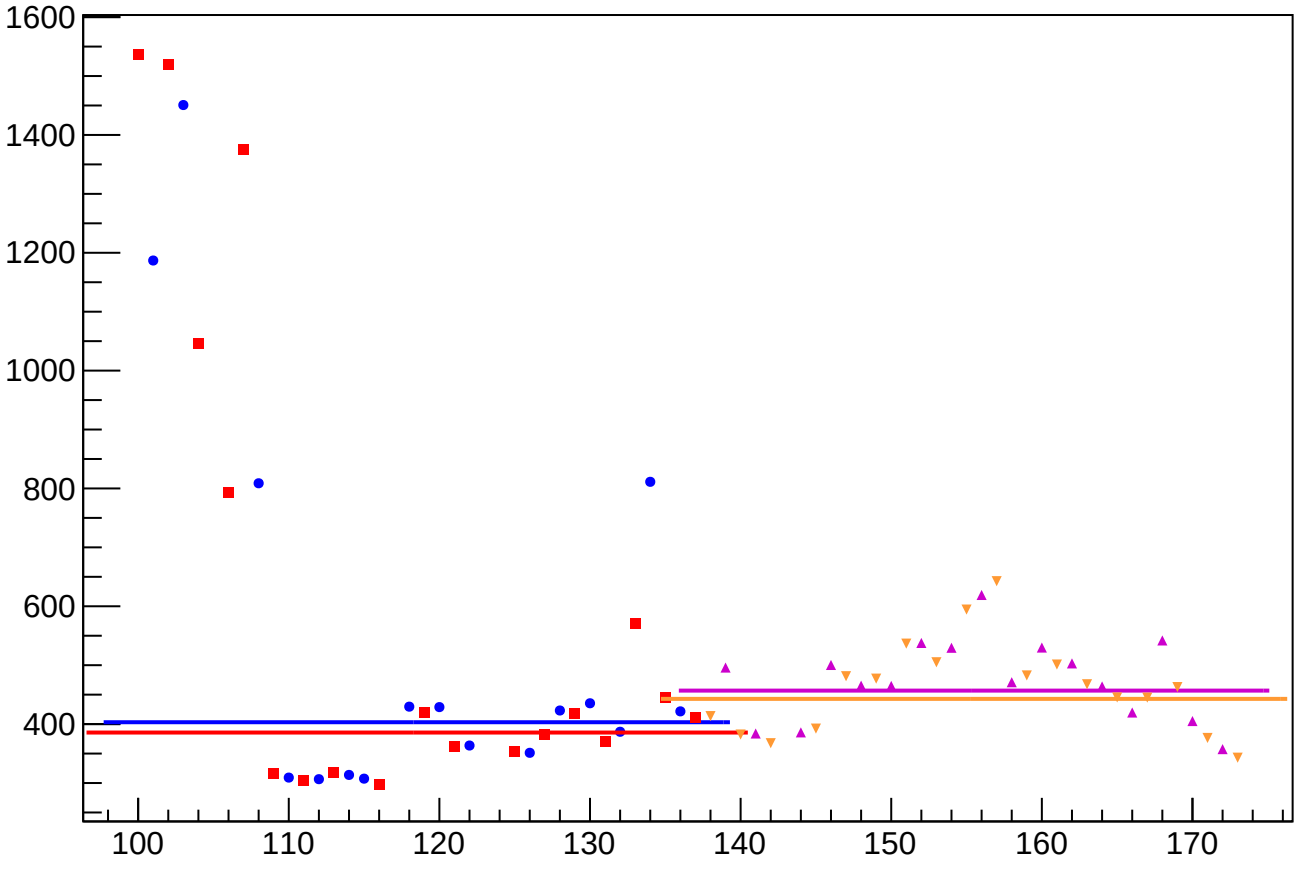
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 1.816+/-98.069 χ^2/NDF:42.0/32

Out: -147.895+/-94.895 χ^2/NDF:71.5/35

All: -75.501+/-68.195 χ^2/NDF: 114.7/68

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: 442.826+/-0.084 χ^2/NDF:696309.0/17

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 456.865+/-0.087 χ^2/NDF:582009.8/16

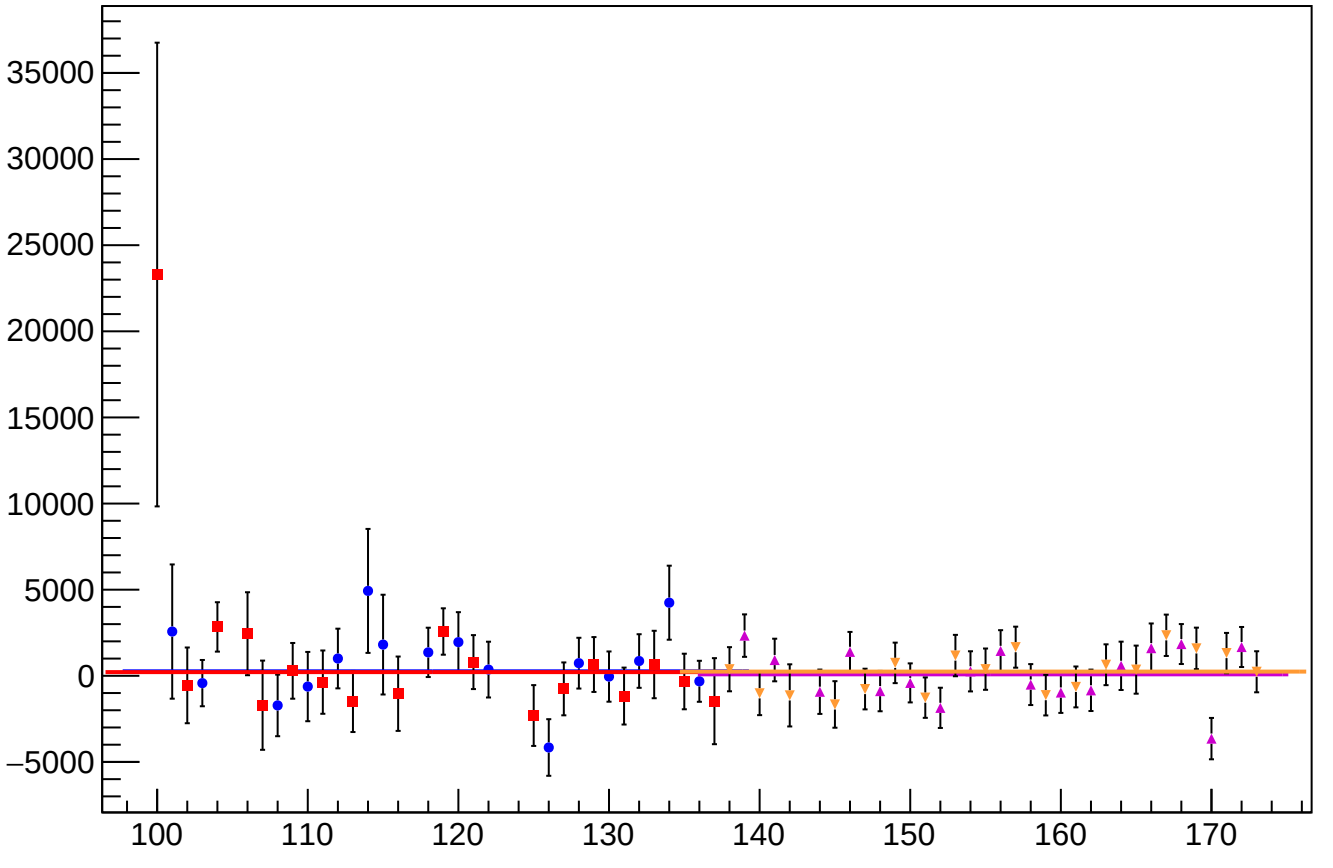
Left: 449.610+/-0.061 χ^2/NDF: 1291664.1/34

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 437.006+/-0.069 χ^2/NDF:2533806.4/32

Out: 421.738+/-0.067 χ^2/NDF:2612335.5/35

All: 429.121+/-0.048 χ^2/NDF: 5171176.1/68



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 244.753+/-290.829 χ^2/NDF:15.4/17

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 85.615+/-293.398 χ^2/NDF:27.3/16

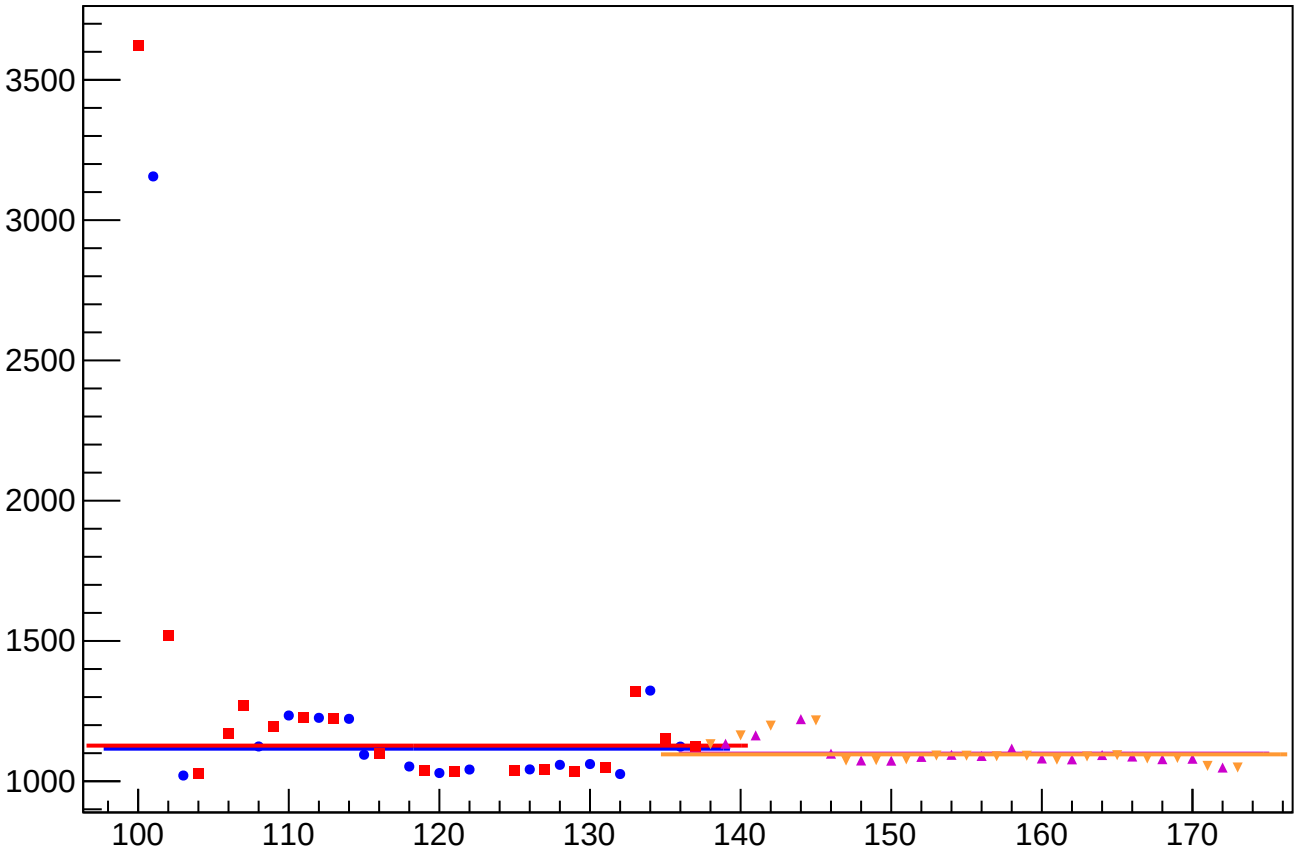
Left: 165.884+/-206.550 χ^2/NDF: 42.9/34

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 142.095+/-241.388 χ^2/NDF:44.4/32

Out: 235.146+/-240.254 χ^2/NDF:31.6/35

All: 188.840+/-170.285 χ^2/NDF: 76.1/68



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1095.841+/-0.206 χ^2/NDF:38384.8/17

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1098.470+/-0.207 χ^2/NDF:33822.8/16

Left: 1097.144+/-0.146 χ^2/NDF: 72288.6/34

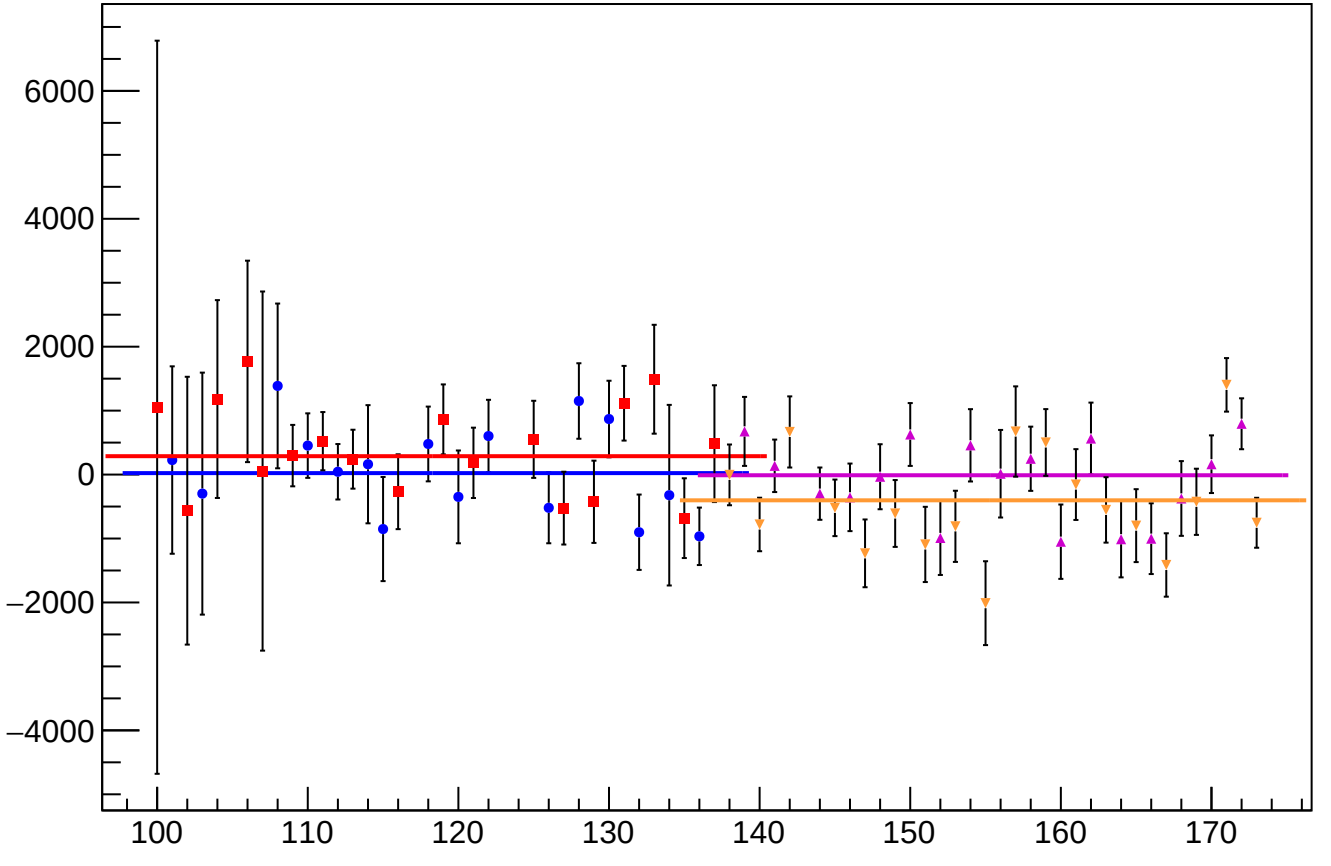
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1104.163+/-0.171 χ^2/NDF:659545.0/32

Out: 1105.723+/-0.170 χ^2/NDF:268396.7/35

All: 1104.947+/-0.120 χ^2/NDF: 927983.7/68

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -402.607+/-119.465 χ^2/NDF:45.5/17

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: -10.576+/-123.549 χ^2/NDF:23.0/16

Left: -213.177+/-85.882 χ^2/NDF: 73.7/34

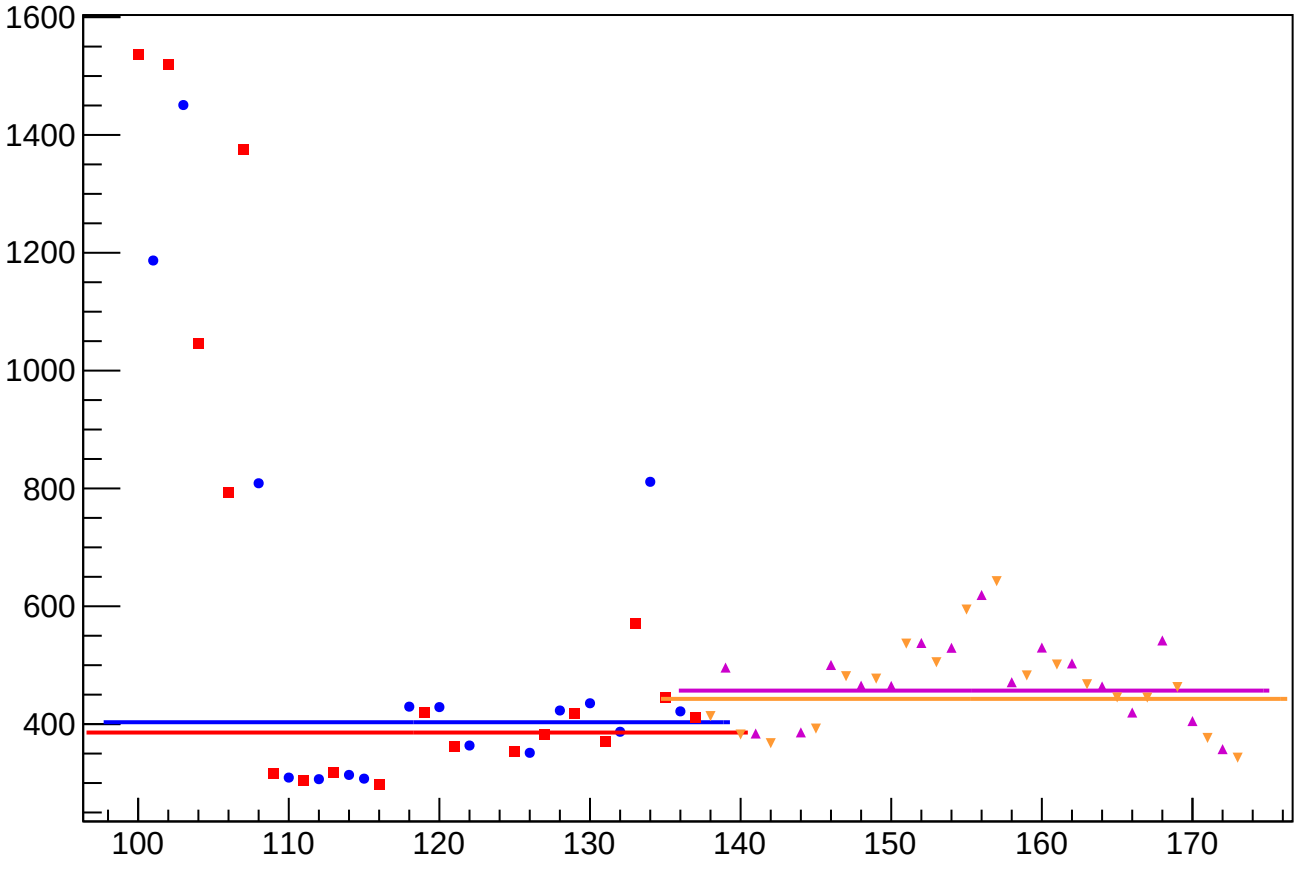
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 1.816+/-98.069 χ^2/NDF:42.0/32

Out: -147.895+/-94.895 χ^2/NDF:71.5/35

All: -75.501+/-68.195 χ^2/NDF: 114.7/68

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: 442.826+/-0.084 χ^2/NDF:696309.0/17

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 456.865+/-0.087 χ^2/NDF:582009.8/16

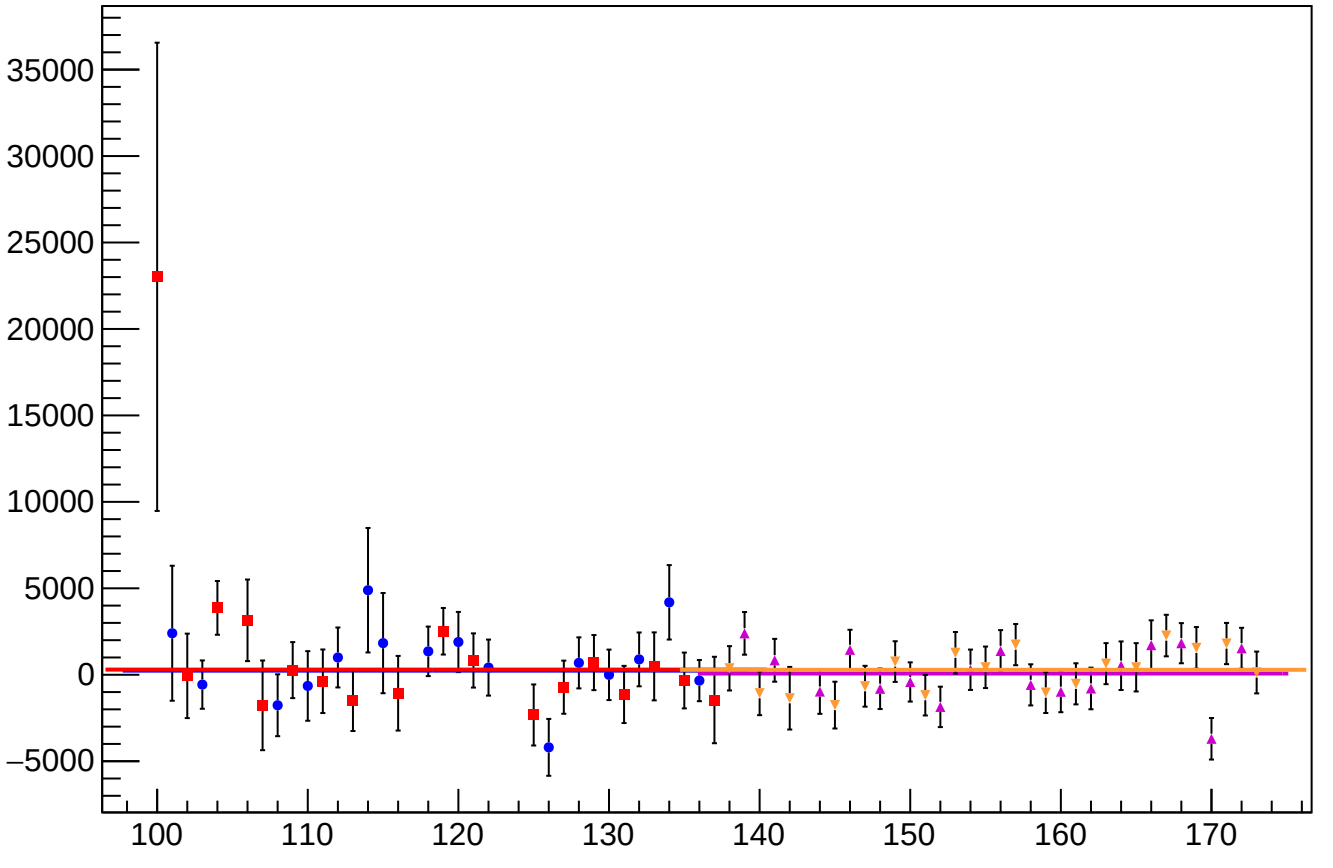
Left: 449.610+/-0.061 χ^2/NDF: 1291664.1/34

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 437.006+/-0.069 χ^2/NDF:2533806.4/32

Out: 421.738+/-0.067 χ^2/NDF:2612335.5/35

All: 429.121+/-0.048 χ^2/NDF: 5171176.1/68



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: 287.613+/-291.686 χ^2/NDF:16.1/17

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: 71.940+/-294.005 χ^2/NDF:27.4/16

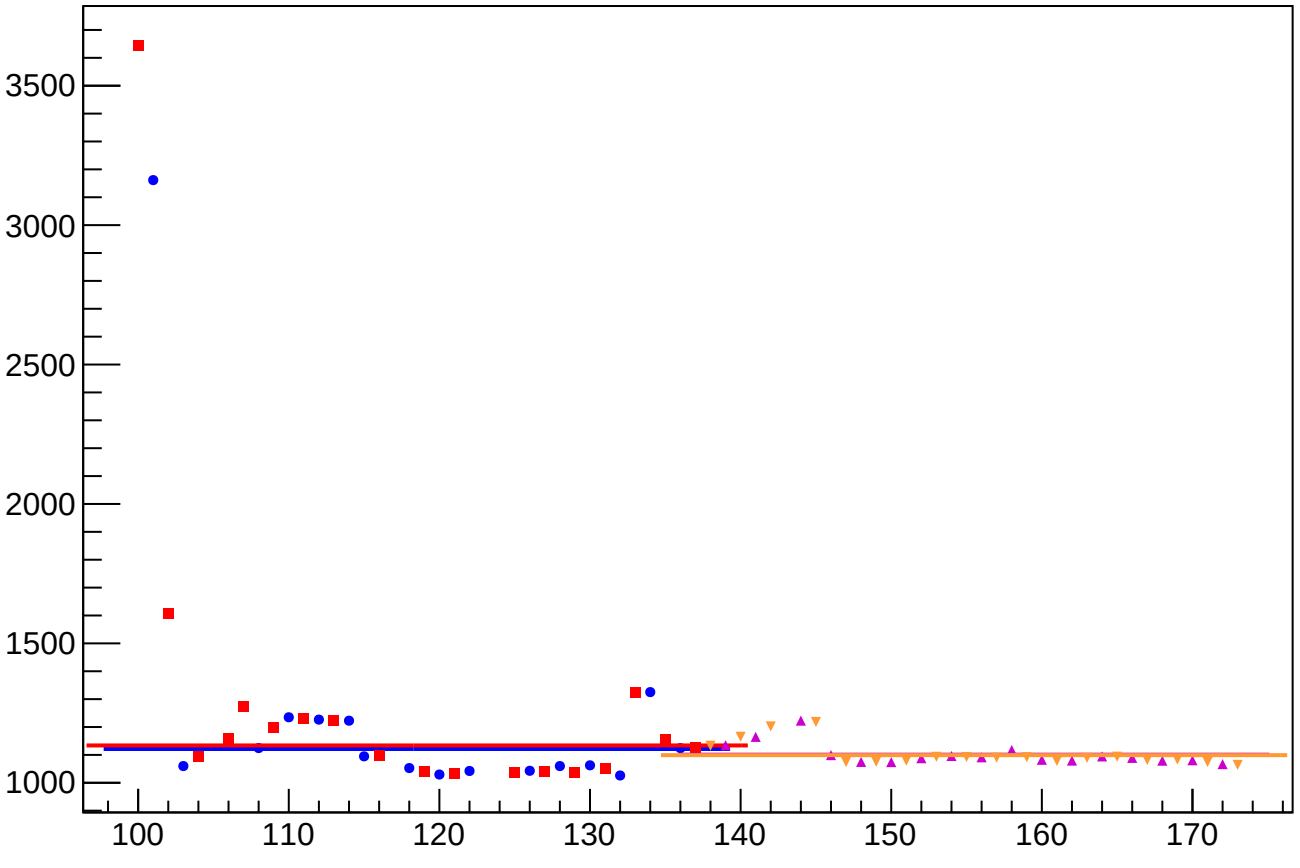
Left: 180.630+/-207.068 χ^2/NDF: 43.7/34

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 126.326+/-242.081 χ^2/NDF:44.4/32

Out: 291.168+/-241.525 χ^2/NDF:34.8/35

All: 208.936+/-170.980 χ^2/NDF: 79.4/68



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1099.128+/-0.206 χ^2/NDF:35319.2/17

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1100.777+/-0.208 χ^2/NDF:31798.2/16

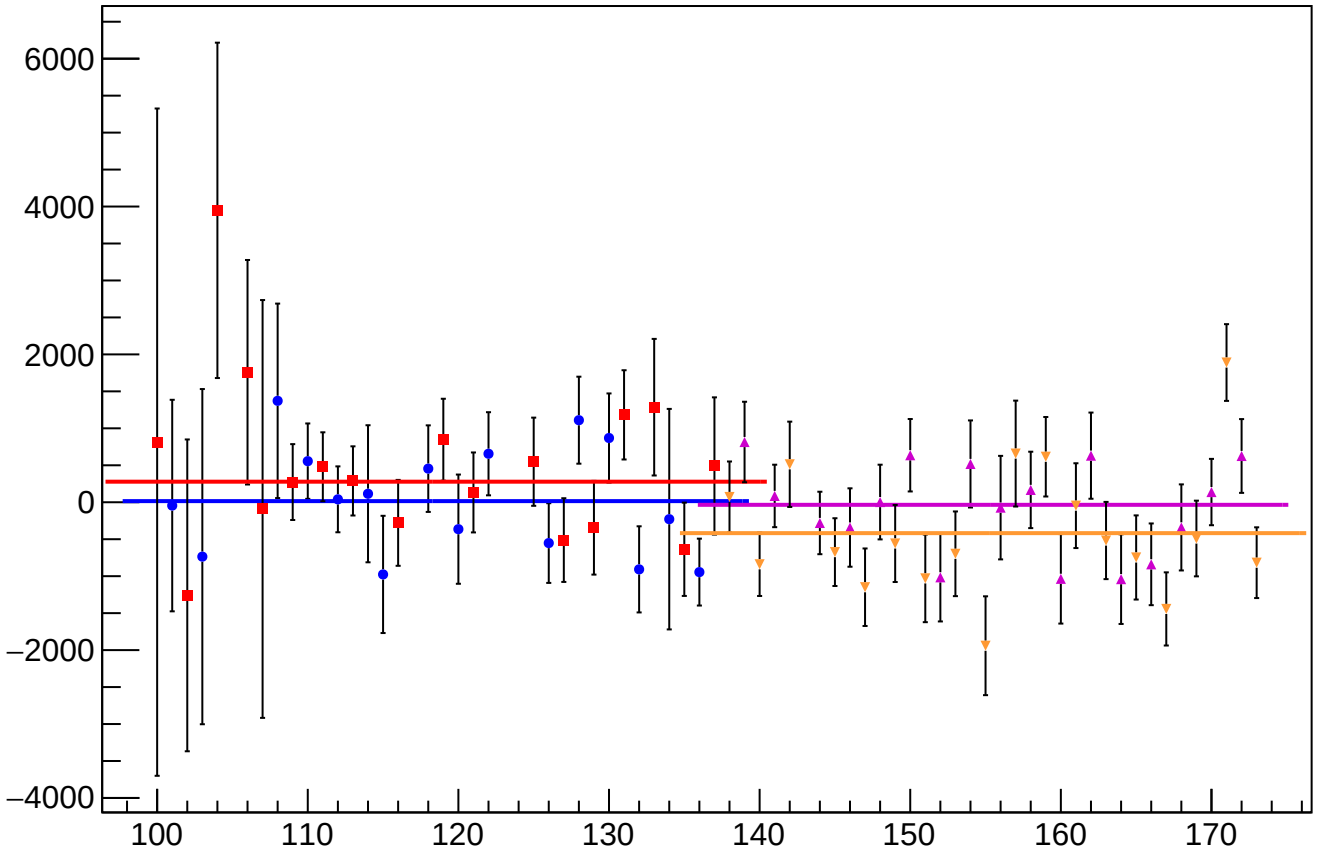
Left: 1099.946+/-0.146 χ^2/NDF: 67149.0/34

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1107.384+/-0.171 χ^2/NDF:651963.1/32

Out: 1110.069+/-0.171 χ^2/NDF:271726.2/35

All: 1108.729+/-0.121 χ^2/NDF: 923812.5/68



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -417.727+/-124.834 χ^2/NDF:45.0/17

Right Out: 278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: -34.822+/-127.731 χ^2/NDF:19.9/16

Left: -230.665+/-89.278 χ^2/NDF: 69.4/34

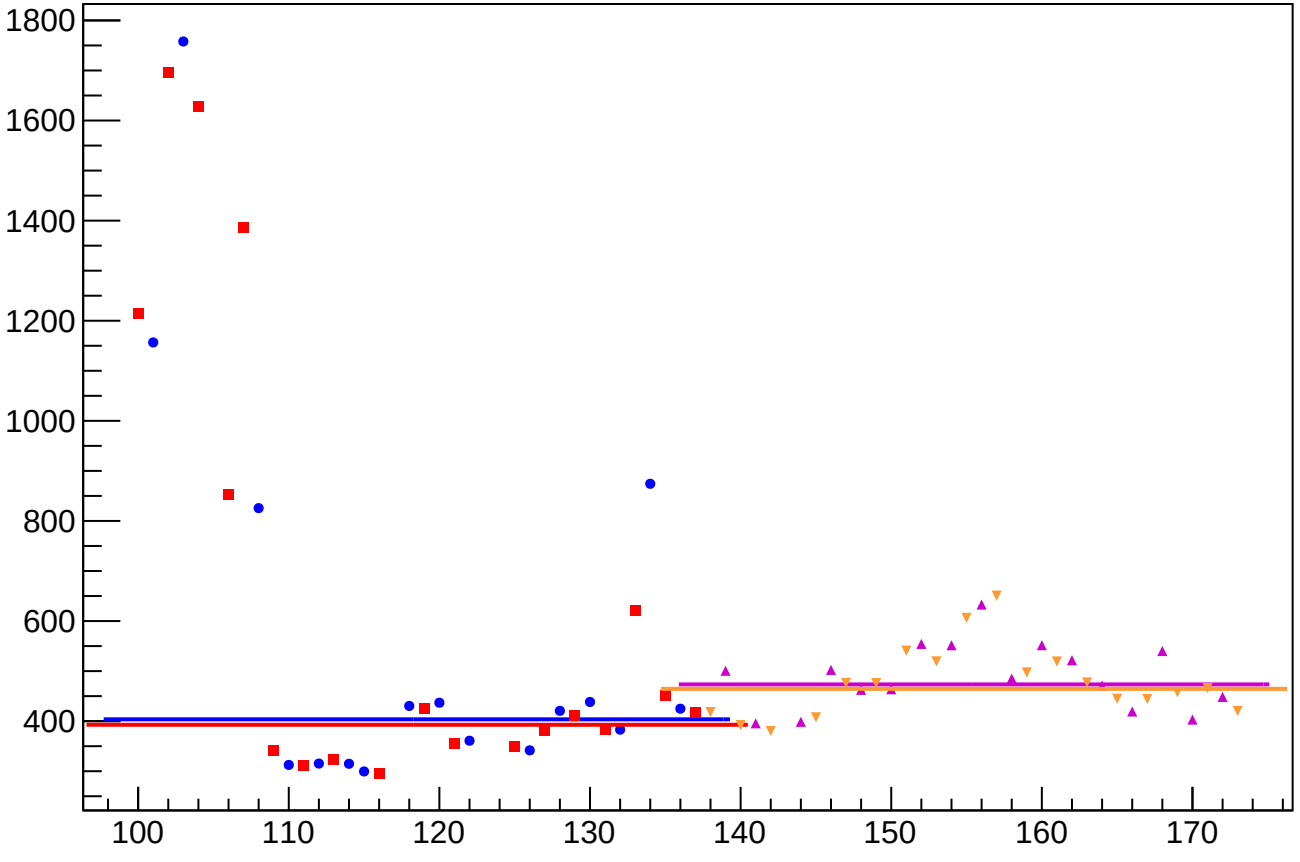
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: -15.588+/-100.266 χ^2/NDF:39.6/32

Out: -151.961+/-98.147 χ^2/NDF:71.9/35

All: -85.231+/-70.138 χ^2/NDF: 112.4/68

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: 464.588+/-0.088 χ^2/NDF:477723.1/17

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 473.438+/-0.090 χ^2/NDF:466593.0/16

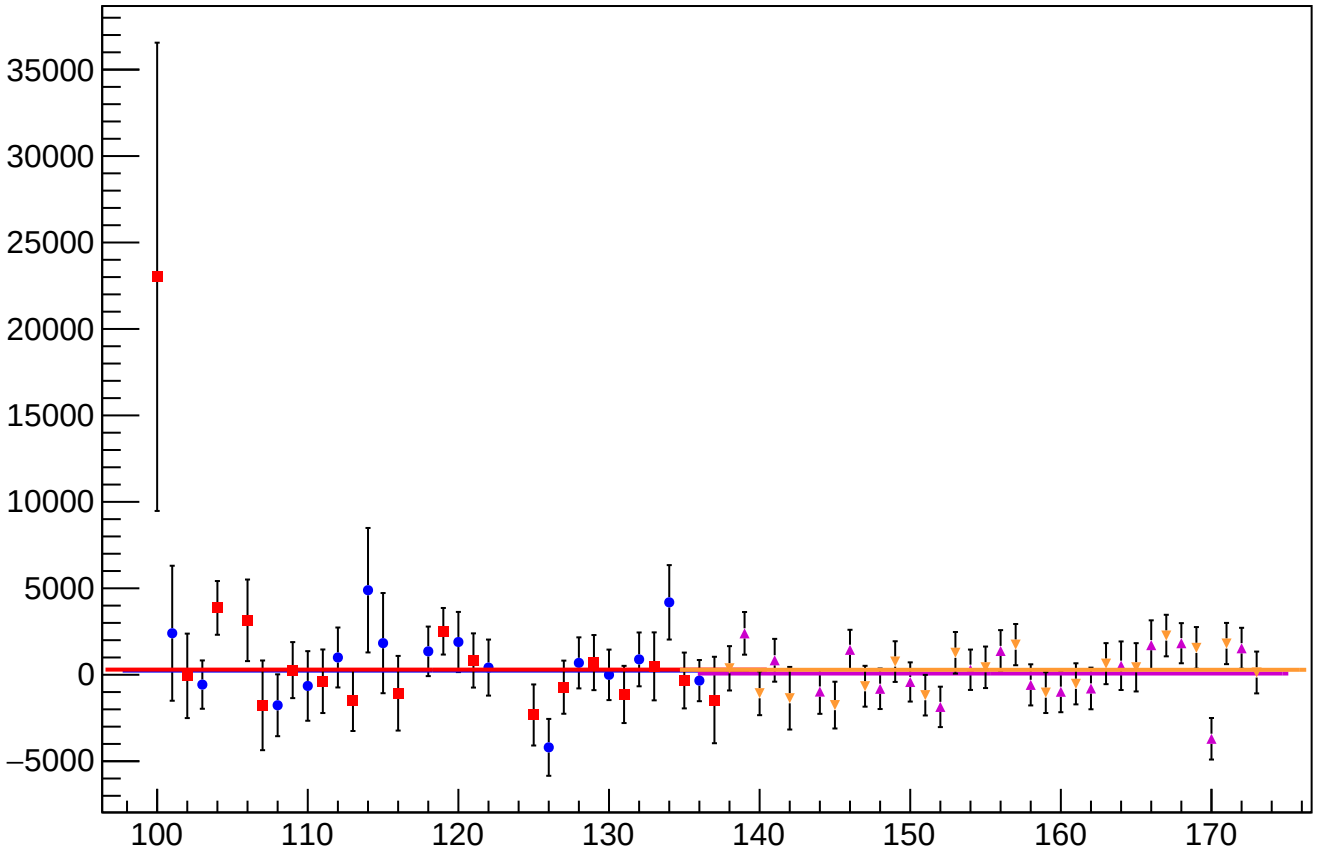
Left: 468.912+/-0.063 χ^2/NDF: 949226.4/34

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 446.655+/-0.071 χ^2/NDF:2625298.8/32

Out: 437.183+/-0.069 χ^2/NDF:2933601.8/35

All: 441.818+/-0.050 χ^2/NDF: 5568015.8/68



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: 287.609+/-291.686 χ^2/NDF:16.1/17

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: 71.941+/-294.005 χ^2/NDF:27.4/16

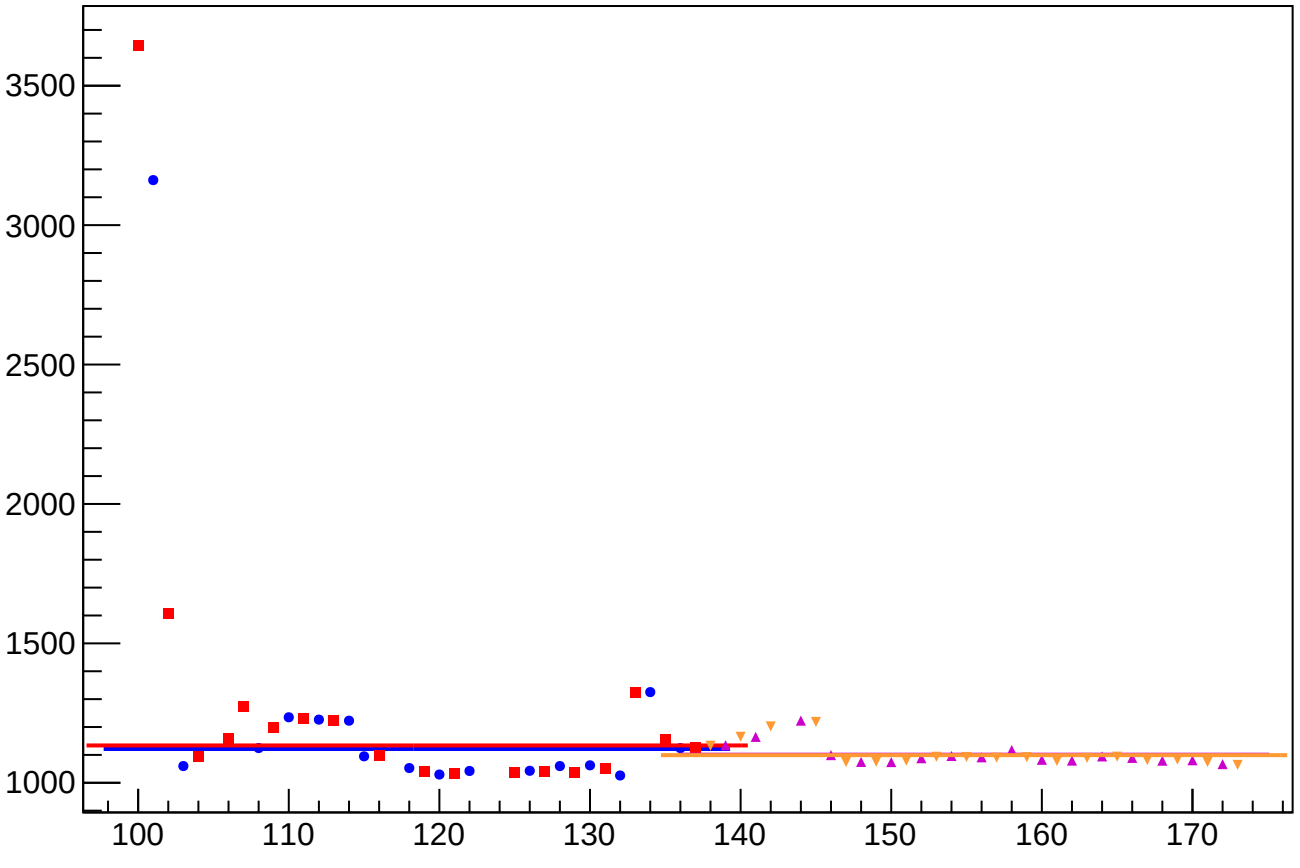
Left: 180.629+/-207.068 χ^2/NDF: 43.7/34

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 126.328+/-242.081 χ^2/NDF:44.4/32

Out: 291.166+/-241.525 χ^2/NDF:34.8/35

All: 208.936+/-170.980 χ^2/NDF: 79.4/68



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1099.128+/-0.206 χ^2/NDF:35319.4/17

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1100.777+/-0.208 χ^2/NDF:31798.4/16

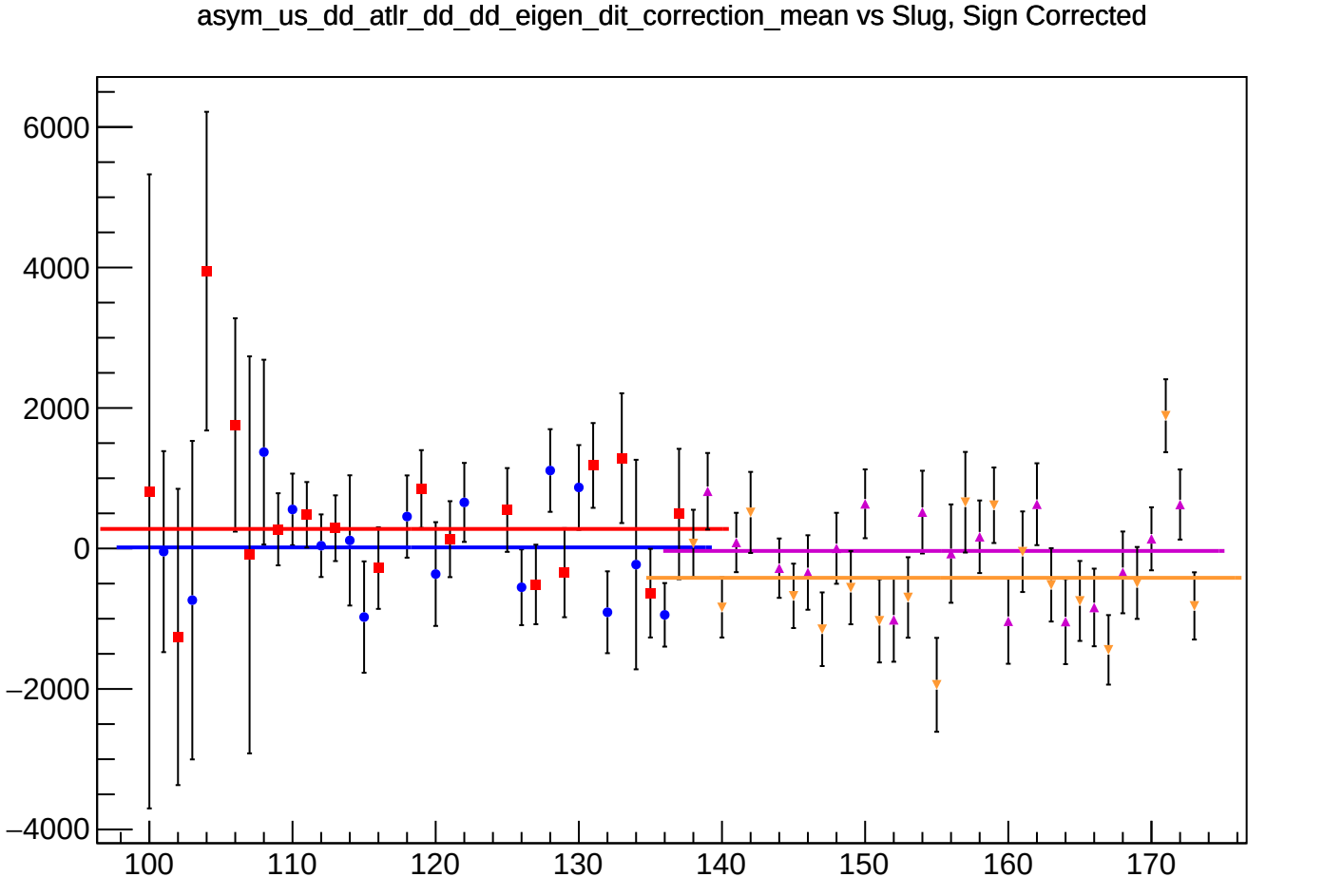
Left: 1099.946+/-0.146 χ^2/NDF: 67149.5/34

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

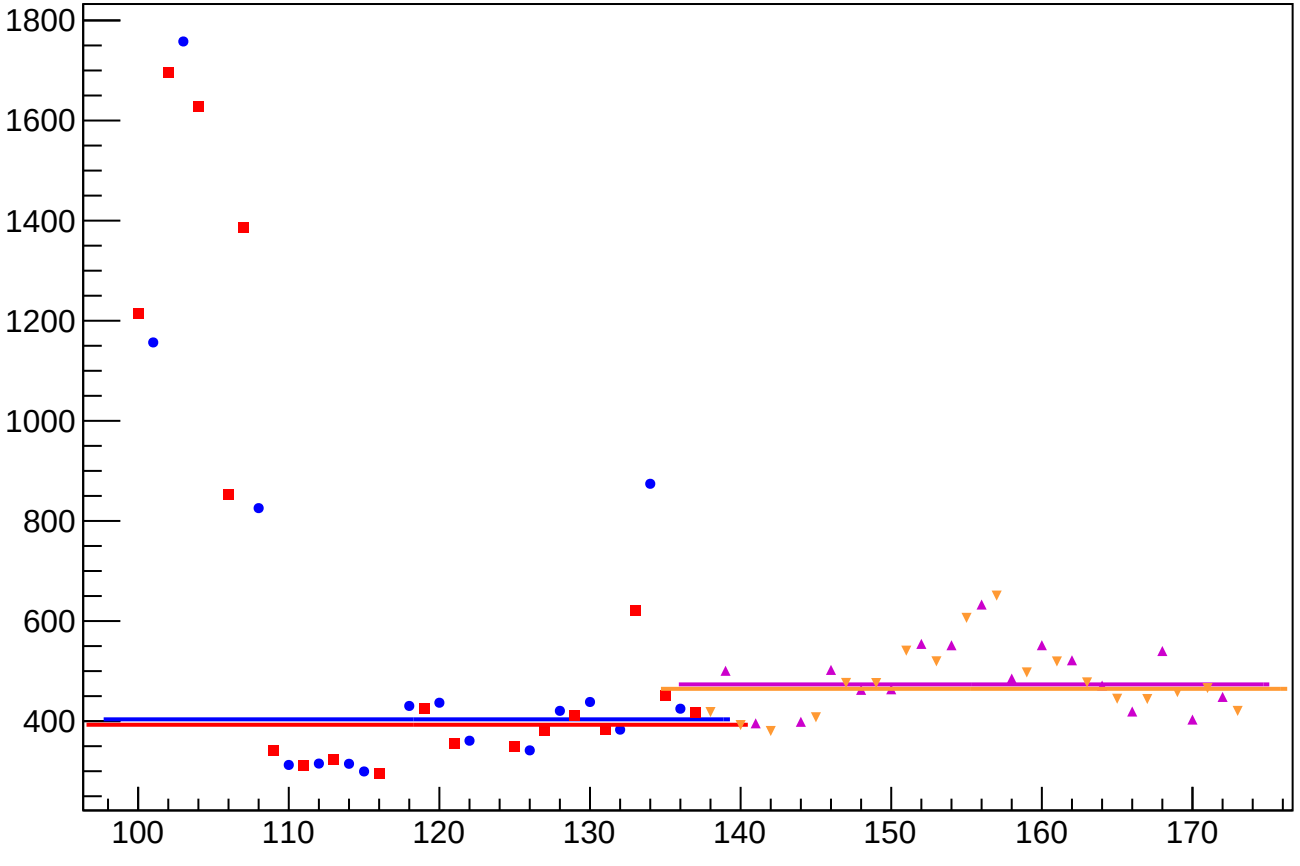
In: 1107.384+/-0.171 χ^2/NDF:651963.3/32

Out: 1110.069+/-0.171 χ^2/NDF:271726.6/35

All: 1108.729+/-0.121 χ^2/NDF: 923813.1/68


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
170
Right In: 15.288+/-161.844 χ²/NDF: 19.6/15
Left Out: -417.728+/-124.834 χ²/NDF:45.0/17
Right Out: 278.249+/-158.826 χ²/NDF: 15.1/17
Left In: -34.821+/-127.731 χ²/NDF:19.9/16
Left: -230.666+/-89.278 χ²/NDF: 69.4/34
Right: 149.243+/-113.359 χ²/NDF: 36.0/33
In: -15.589+/-100.266 χ²/NDF:39.6/32
Out: -151.961+/-98.147 χ²/NDF:71.9/35
All: -85.231+/-70.138 χ²/NDF: 112.4/68

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: 464.588+/-0.088 χ^2/NDF:477747.9/17

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 473.439+/-0.090 χ^2/NDF:466603.6/16

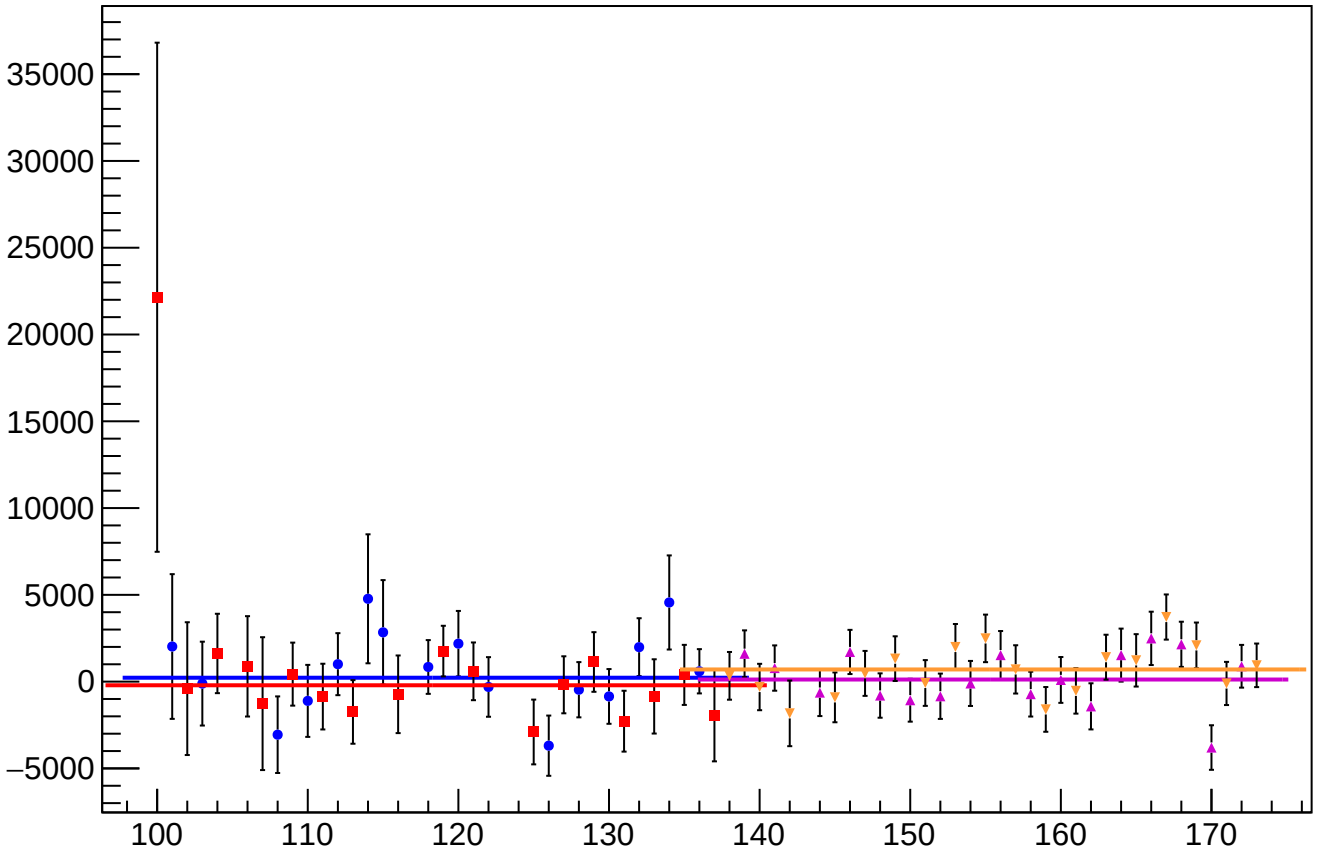
Left: 468.912+/-0.063 χ^2/NDF: 949262.8/34

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 446.654+/-0.071 χ^2/NDF:2625331.9/32

Out: 437.182+/-0.069 χ^2/NDF:2933656.3/35

All: 441.817+/-0.050 χ^2/NDF: 5568104.6/68



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 701.527+/-317.555 χ^2/NDF:18.4/17

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: 121.315+/-320.786 χ^2/NDF:23.5/16

Left: 414.357+/-225.679 χ^2/NDF: 43.6/34

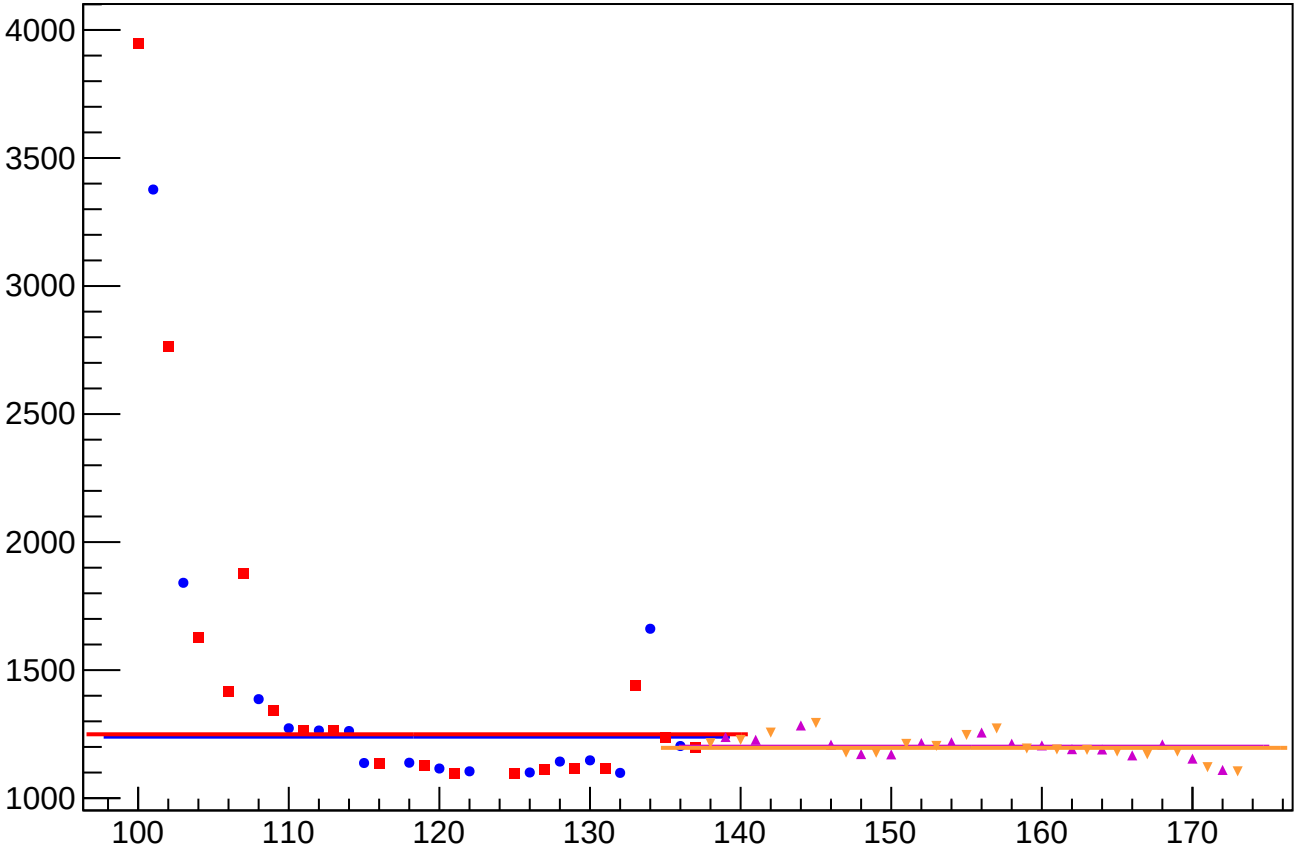
Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 153.776+/-265.764 χ^2/NDF:39.7/32

Out: 422.343+/-264.475 χ^2/NDF:31.9/35

All: 288.712+/-187.466 χ^2/NDF: 72.1/68

asym_us_dd_atlr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1196.446+/-0.225 χ^2/NDF:41771.7/17

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1201.011+/-0.227 χ^2/NDF:30966.6/16

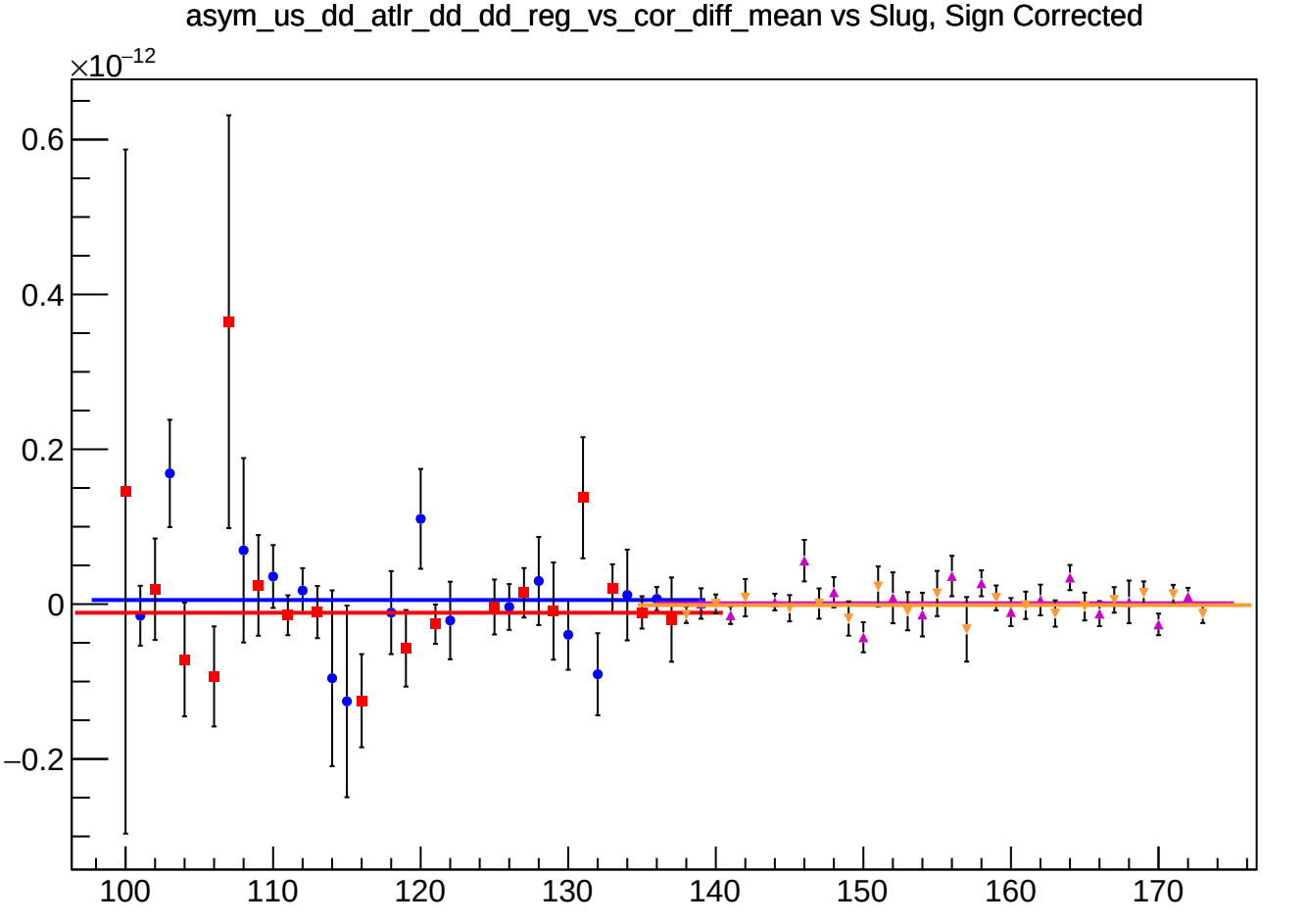
Left: 1198.705+/-0.160 χ^2/NDF: 72943.0/34

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1213.283+/-0.188 χ^2/NDF:822978.8/32

Out: 1212.672+/-0.187 χ^2/NDF:664916.3/35

All: 1212.976+/-0.133 χ^2/NDF: 1487900.5/68



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/17

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

Left In: 0.000+/-0.000 χ^2/NDF:26.0/16

Left: -0.000+/-0.000 χ^2/NDF: 34.3/34

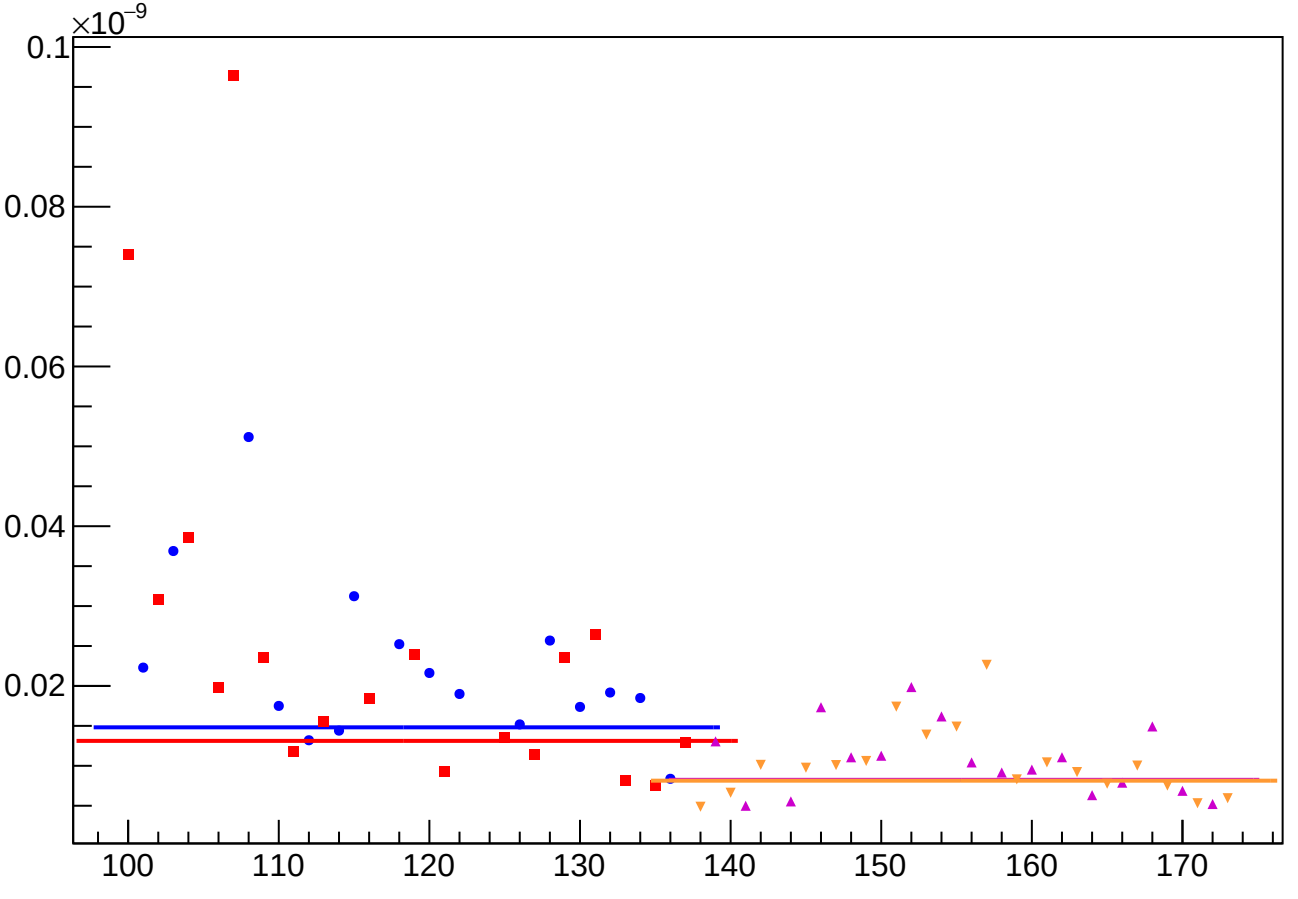
Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:42.5/32

Out: -0.000+/-0.000 χ^2/NDF:24.2/35

All: -0.000+/-0.000 χ^2/NDF: 67.4/68

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1255650.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1515828.3/16

Left: 0.000+/-0.000 χ^2/NDF: 2772161.4/34

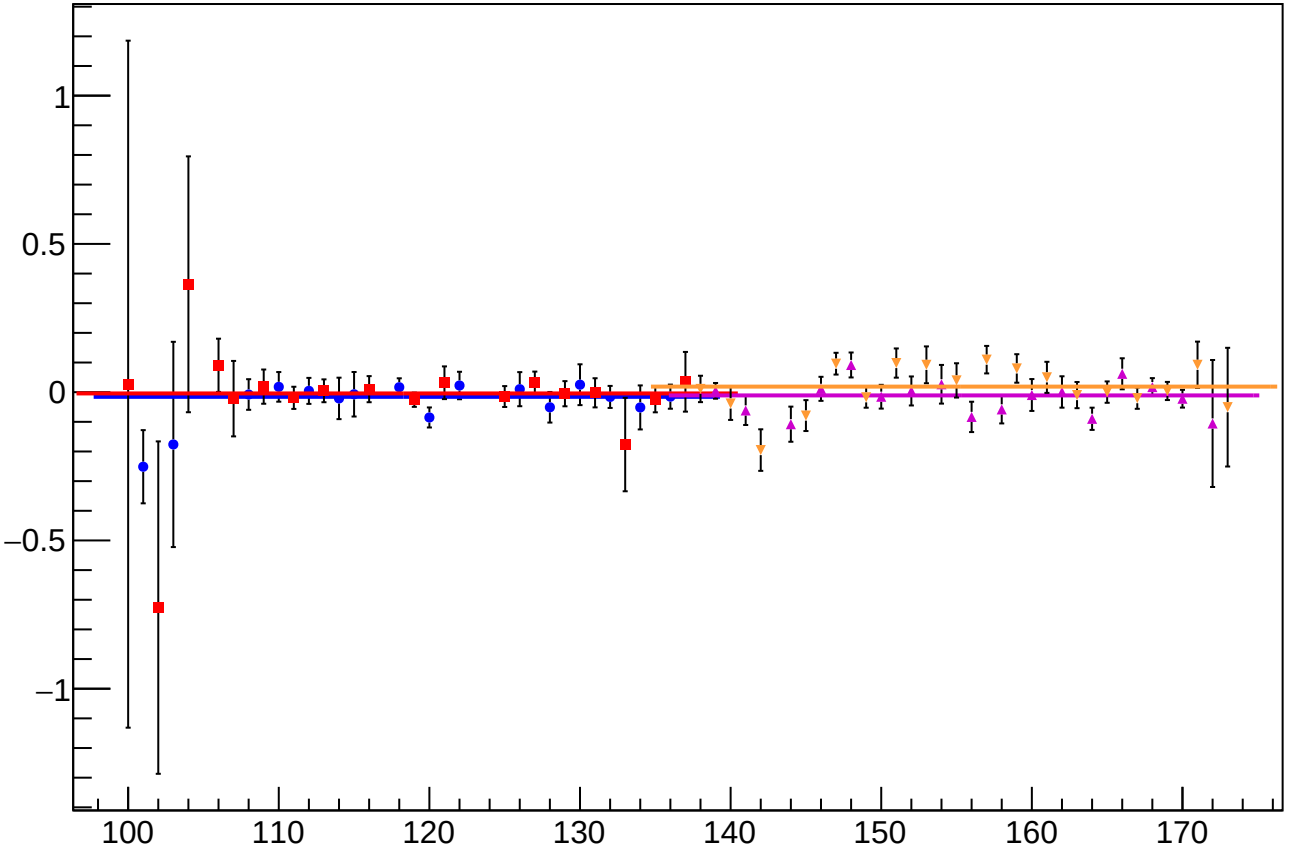
Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:3385037.3/32

Out: 0.000+/-0.000 χ^2/NDF:2919135.4/35

All: 0.000+/-0.000 χ^2/NDF: 6313877.9/68

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: 0.019+/-0.011 χ^2/NDF:32.5/17

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.4/16

Left: 0.003+/-0.007 χ^2/NDF: 57.8/34

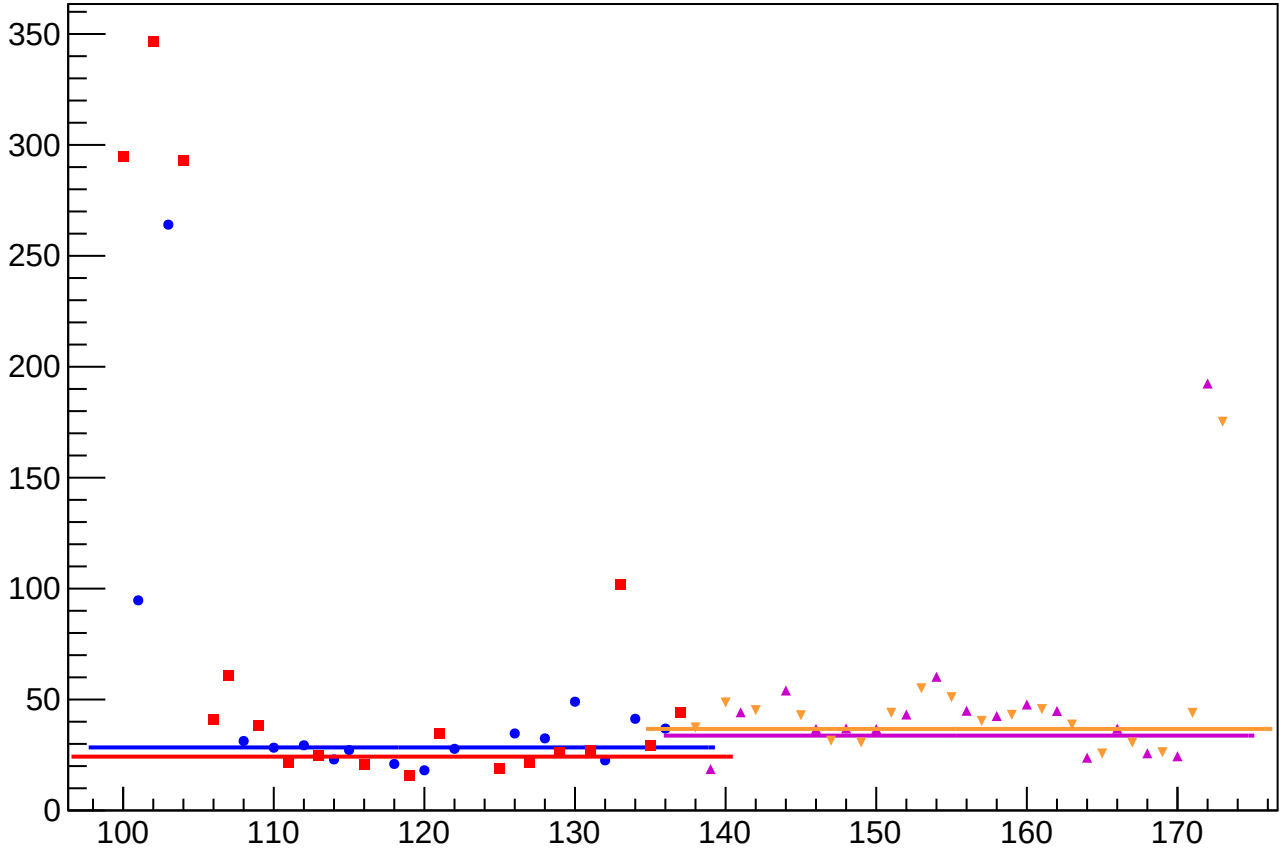
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.4/32

Out: 0.008+/-0.008 χ^2/NDF:42.4/35

All: -0.002+/-0.006 χ^2/NDF: 79.3/68

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 36.757+/-0.008 χ^2/NDF:2158403.2/17

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 33.733+/-0.007 χ^2/NDF:3384869.0/16

Left: 35.167+/-0.005 χ^2/NDF: 5624939.6/34

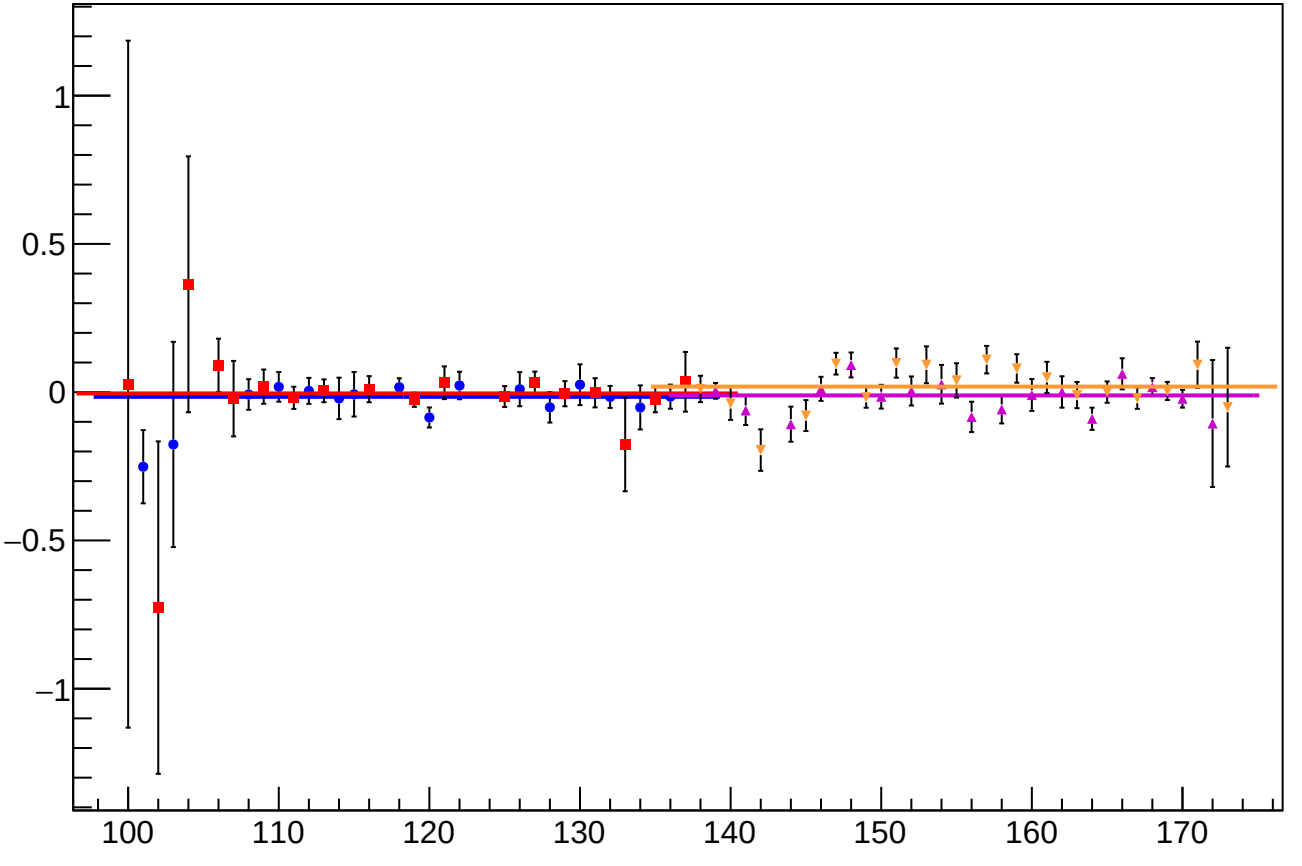
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 31.540+/-0.006 χ^2/NDF:5850400.0/32

Out: 30.837+/-0.006 χ^2/NDF:6329695.6/35

All: 31.187+/-0.004 χ^2/NDF: 12188042.7/68

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: 0.019+/-0.011 χ^2/NDF:32.5/17

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.4/16

Left: 0.003+/-0.007 χ^2/NDF: 57.8/34

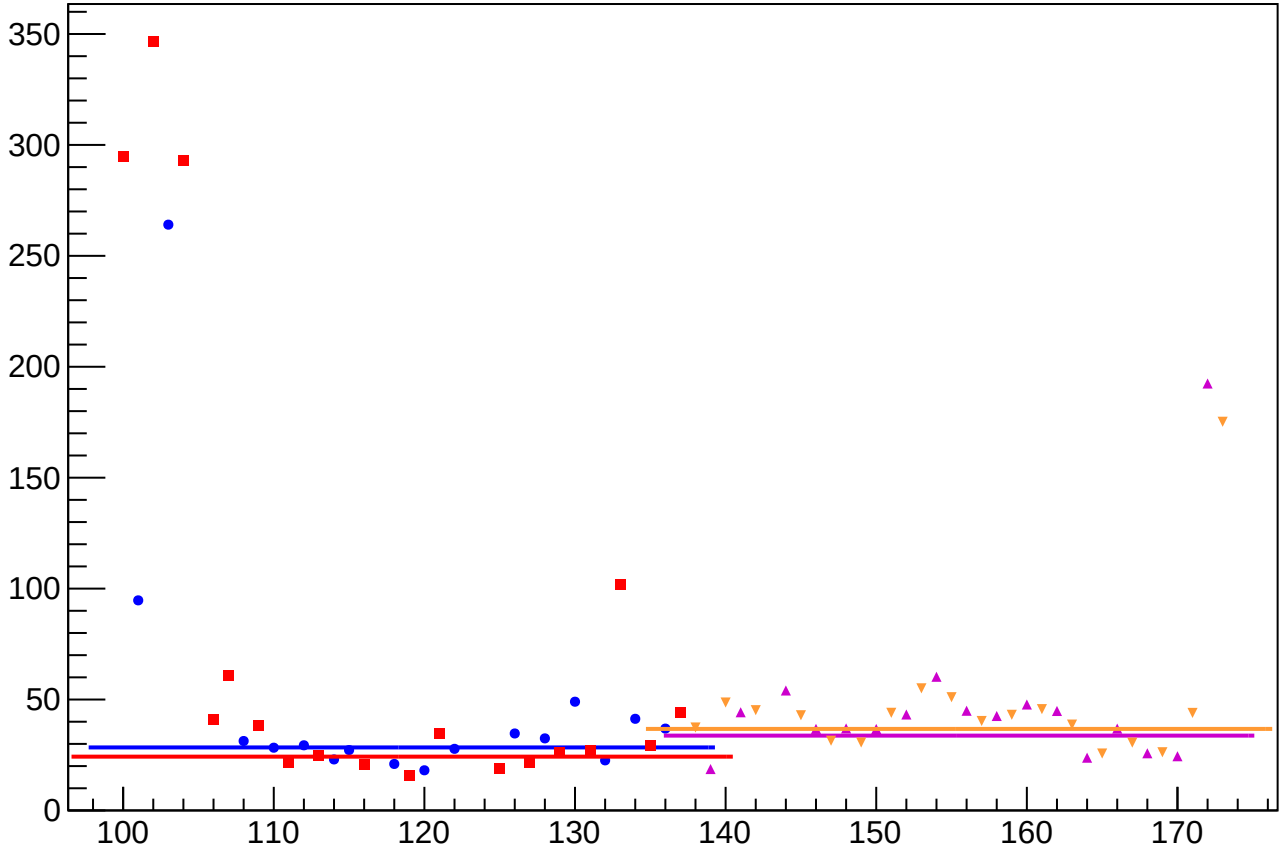
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.4/32

Out: 0.008+/-0.008 χ^2/NDF:42.4/35

All: -0.002+/-0.006 χ^2/NDF: 79.3/68

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 36.757+/-0.008 χ^2/NDF:2158403.2/17

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 33.733+/-0.007 χ^2/NDF:3384869.0/16

Left: 35.167+/-0.005 χ^2/NDF: 5624939.6/34

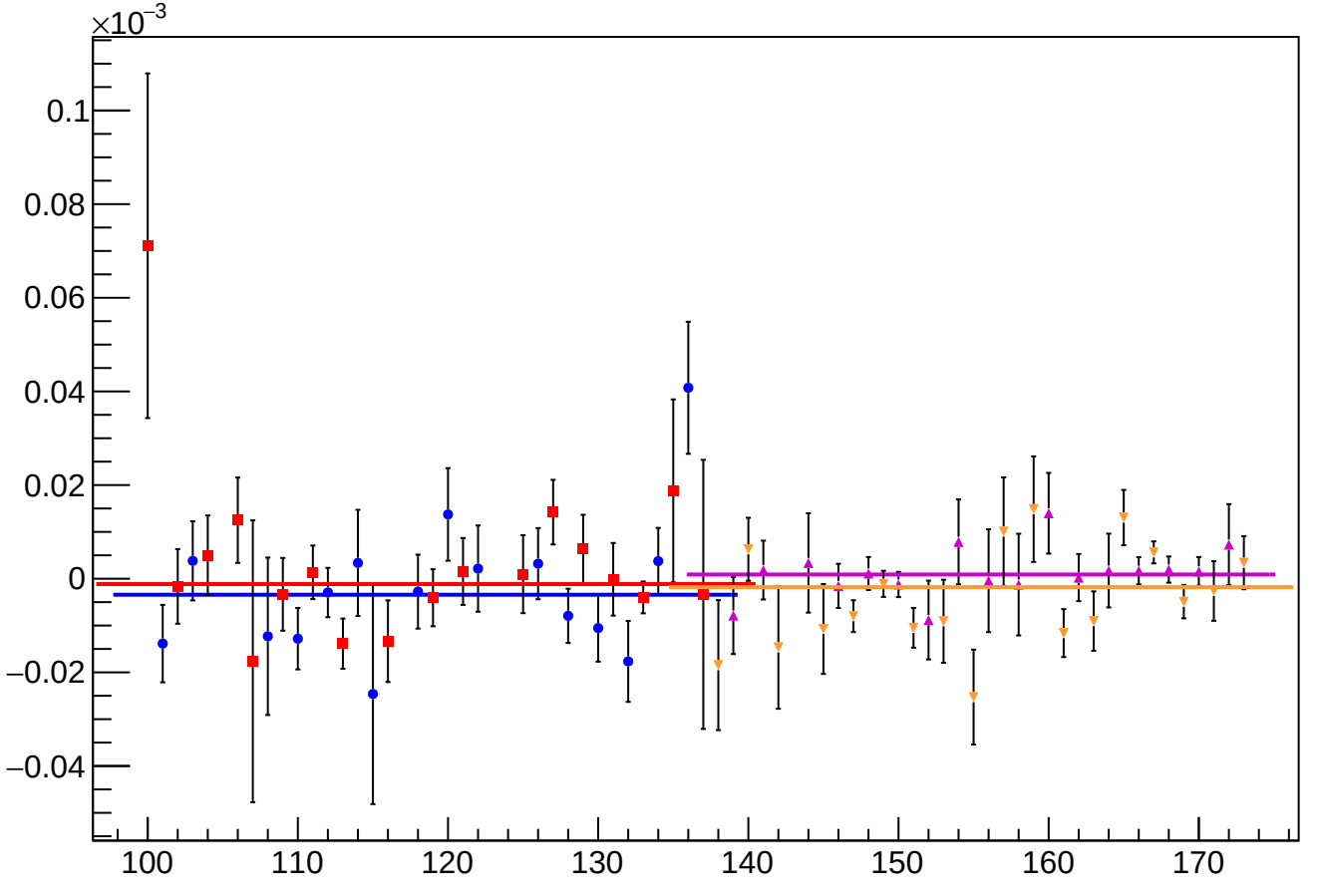
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 31.540+/-0.006 χ^2/NDF:5850400.0/32

Out: 30.837+/-0.006 χ^2/NDF:6329695.6/35

All: 31.187+/-0.004 χ^2/NDF: 12188042.7/68

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:44.6/17

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:7.2/16

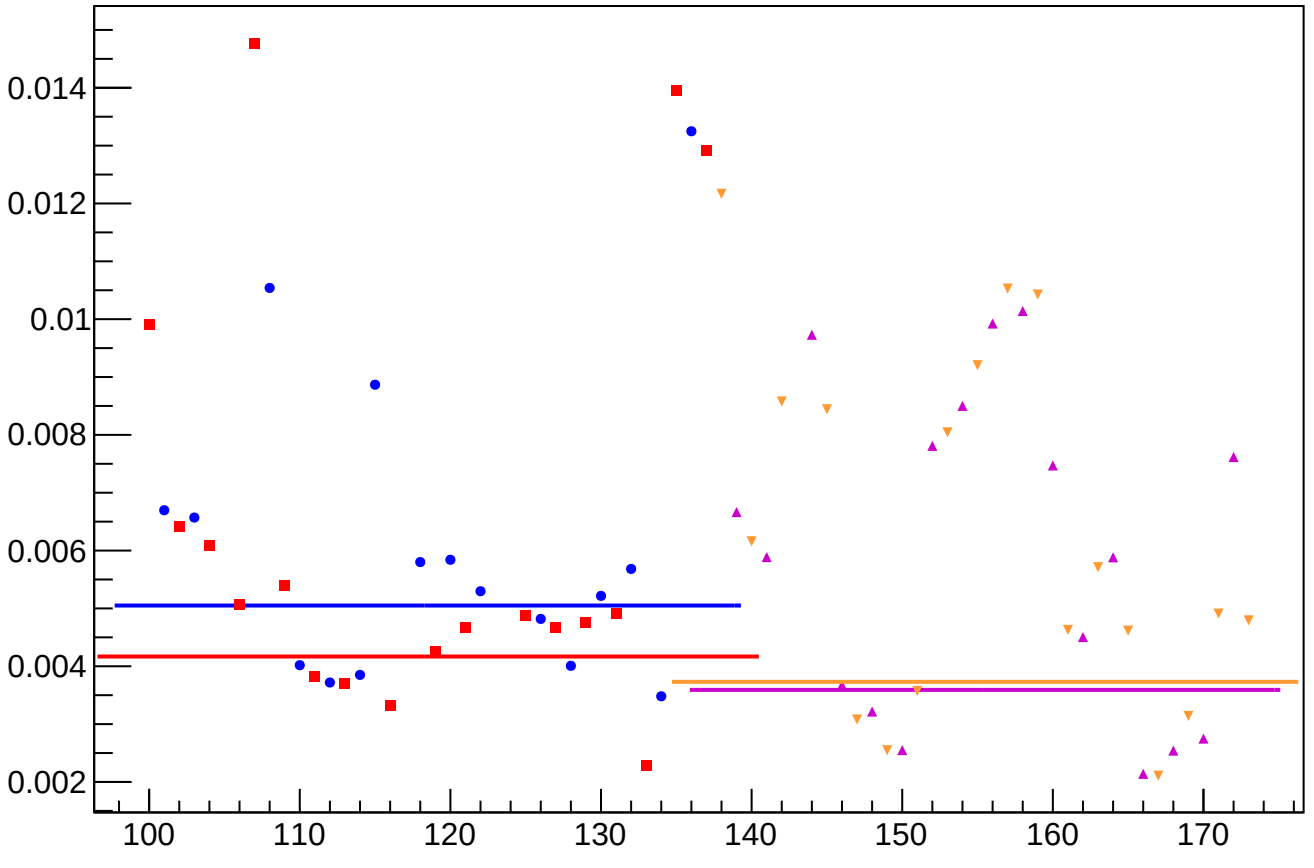
Left: -0.000+/-0.000 χ^2/NDF: 54.6/34

Right: -0.000+/-0.000 χ^2/NDF: 48.9/33

In: -0.000+/-0.000 χ^2/NDF:35.8/32

Out: -0.000+/-0.000 χ^2/NDF:67.6/35

All: -0.000+/-0.000 χ^2/NDF: 104.6/68



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:6091982.3/17

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:6024340.4/16

Left: 0.004+/-0.000 χ^2/NDF: 12131314.7/34

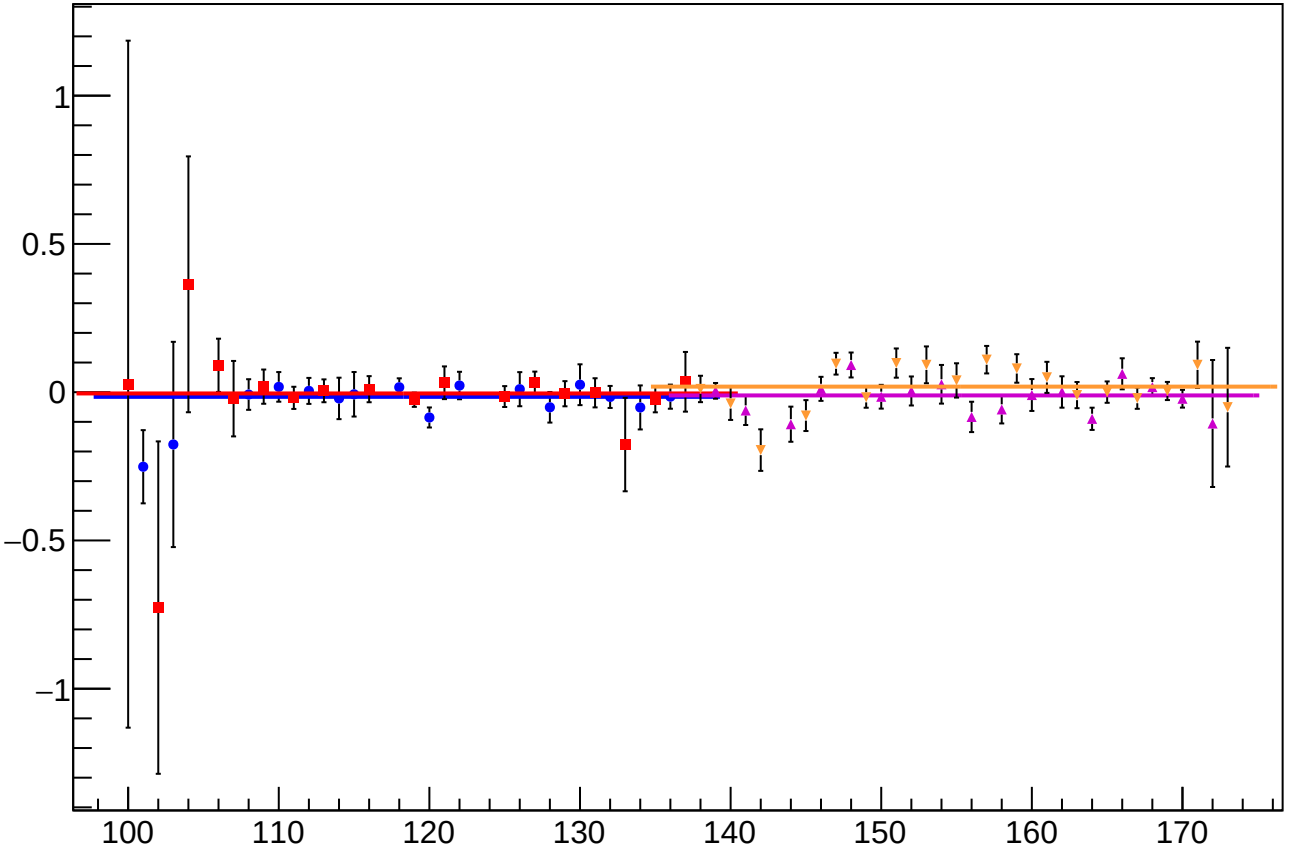
Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.004+/-0.000 χ^2/NDF:8311402.4/32

Out: 0.004+/-0.000 χ^2/NDF:8225273.6/35

All: 0.004+/-0.000 χ^2/NDF: 16541641.9/68

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: 0.019+/-0.011 χ^2/NDF:32.4/17

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.4/16

Left: 0.003+/-0.007 χ^2/NDF: 57.8/34

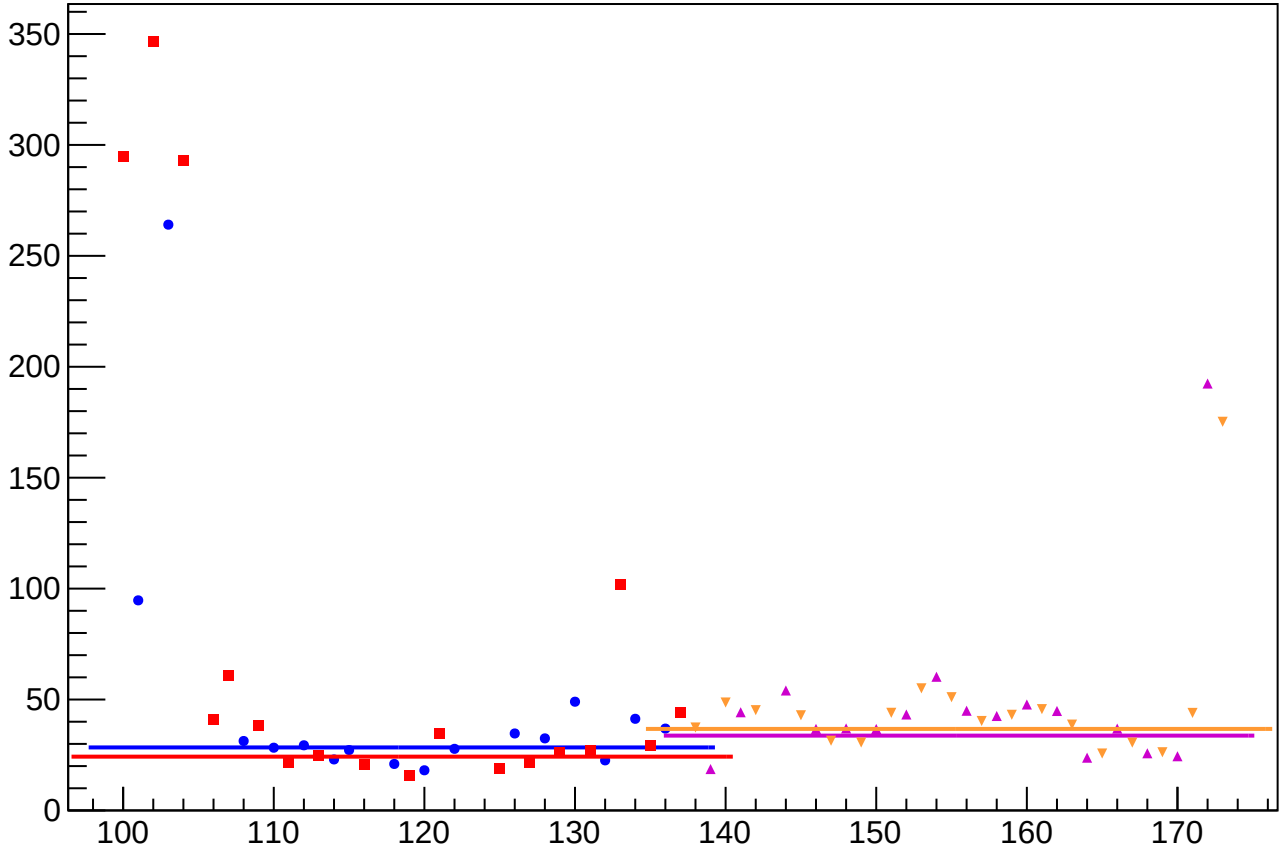
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.4/32

Out: 0.008+/-0.008 χ^2/NDF:42.4/35

All: -0.002+/-0.006 χ^2/NDF: 79.3/68

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: 36.756+/-0.008 χ^2/NDF:2158575.5/17

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 33.733+/-0.007 χ^2/NDF:3385288.2/16

Left: 35.167+/-0.005 χ^2/NDF: 5625530.4/34

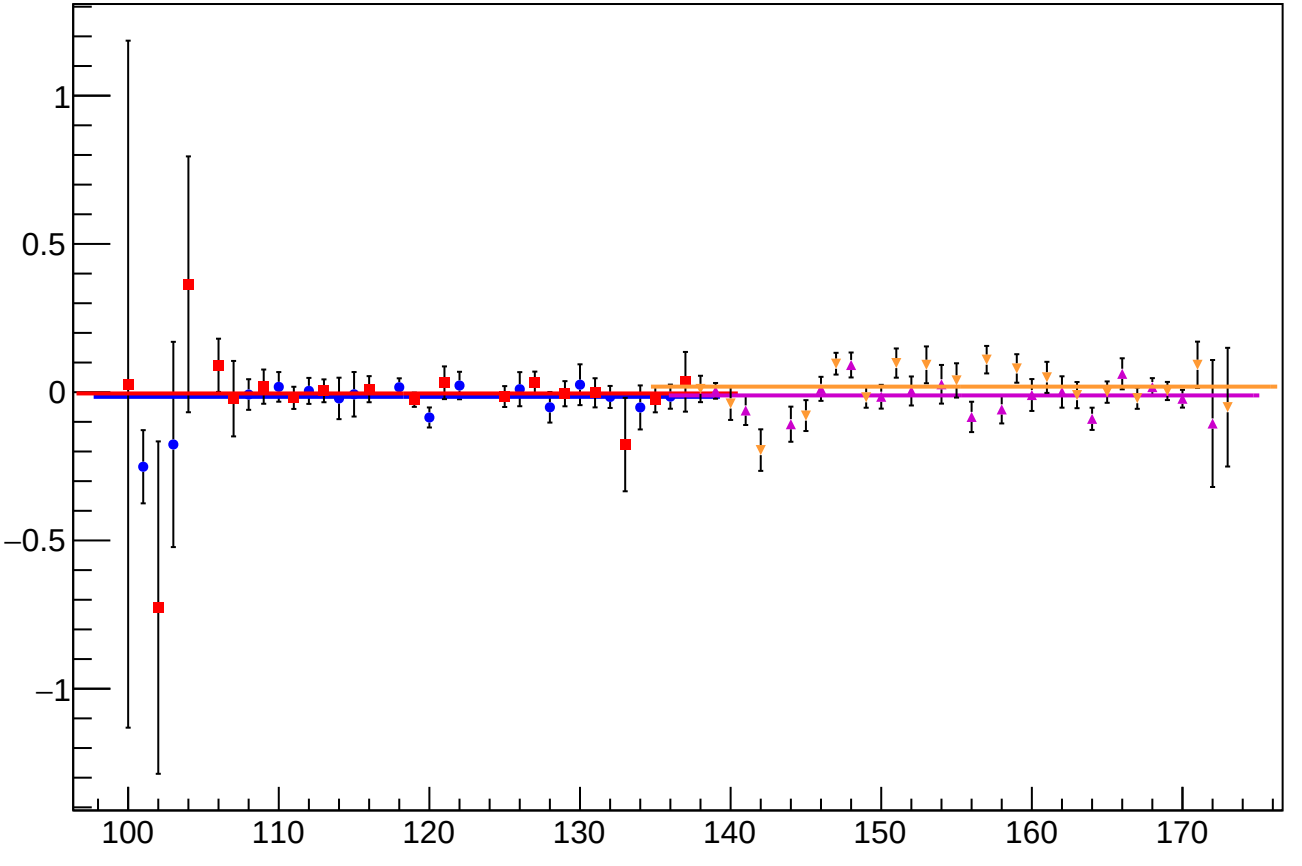
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 31.540+/-0.006 χ^2/NDF:5850816.4/32

Out: 30.836+/-0.006 χ^2/NDF:6330418.0/35

All: 31.186+/-0.004 χ^2/NDF: 12189204.3/68

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: 0.019+/-0.011 χ^2/NDF:32.4/17

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.4/16

Left: 0.003+/-0.007 χ^2/NDF: 57.8/34

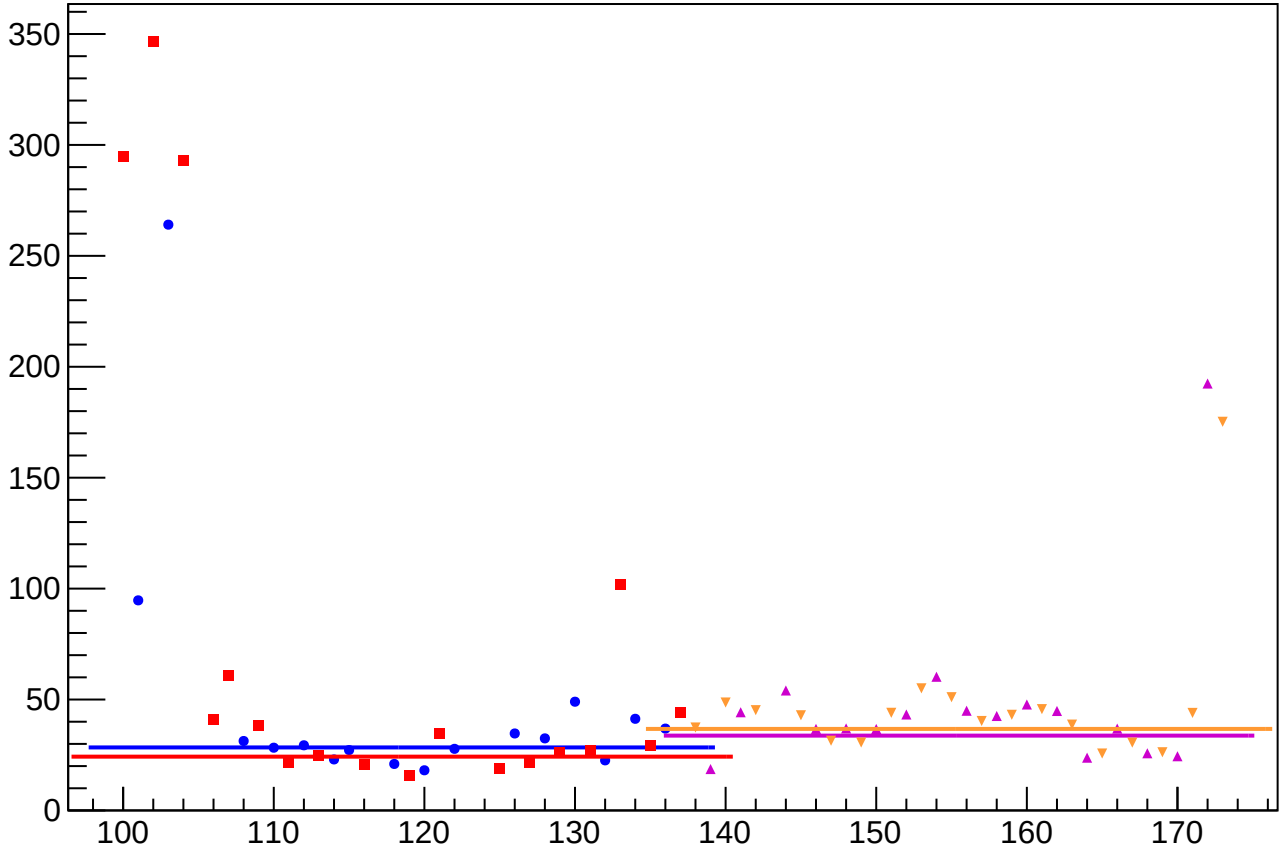
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.4/32

Out: 0.008+/-0.008 χ^2/NDF:42.4/35

All: -0.002+/-0.006 χ^2/NDF: 79.3/68

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: 36.756+/-0.008 χ^2/NDF:2158575.5/17

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 33.733+/-0.007 χ^2/NDF:3385288.2/16

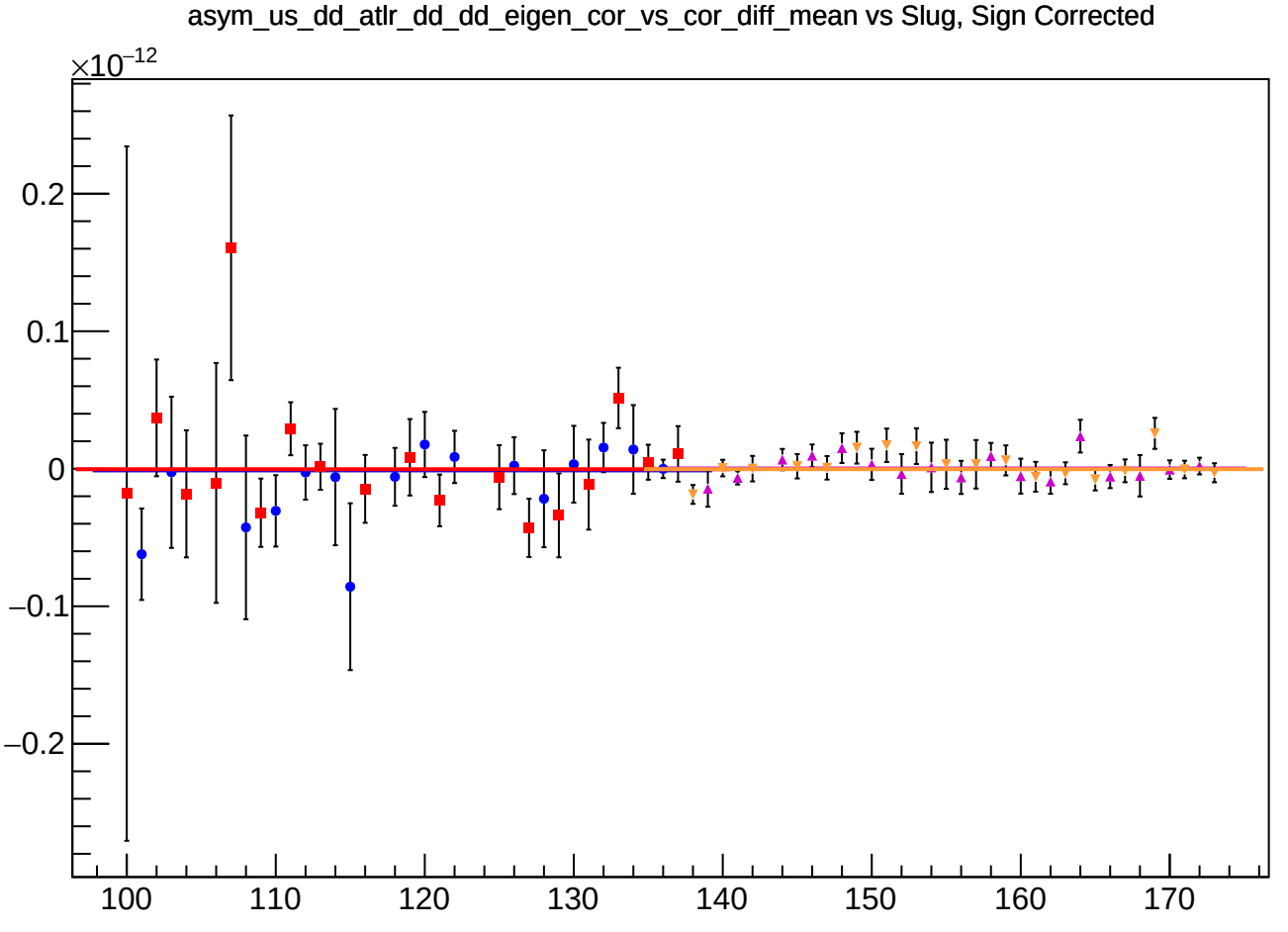
Left: 35.167+/-0.005 χ^2/NDF: 5625530.4/34

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 31.540+/-0.006 χ^2/NDF:5850816.4/32

Out: 30.836+/-0.006 χ^2/NDF:6330418.0/35

All: 31.186+/-0.004 χ^2/NDF: 12189204.3/68



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.0/17

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:14.3/16

Left: -0.000+/-0.000 χ^2/NDF: 34.3/34

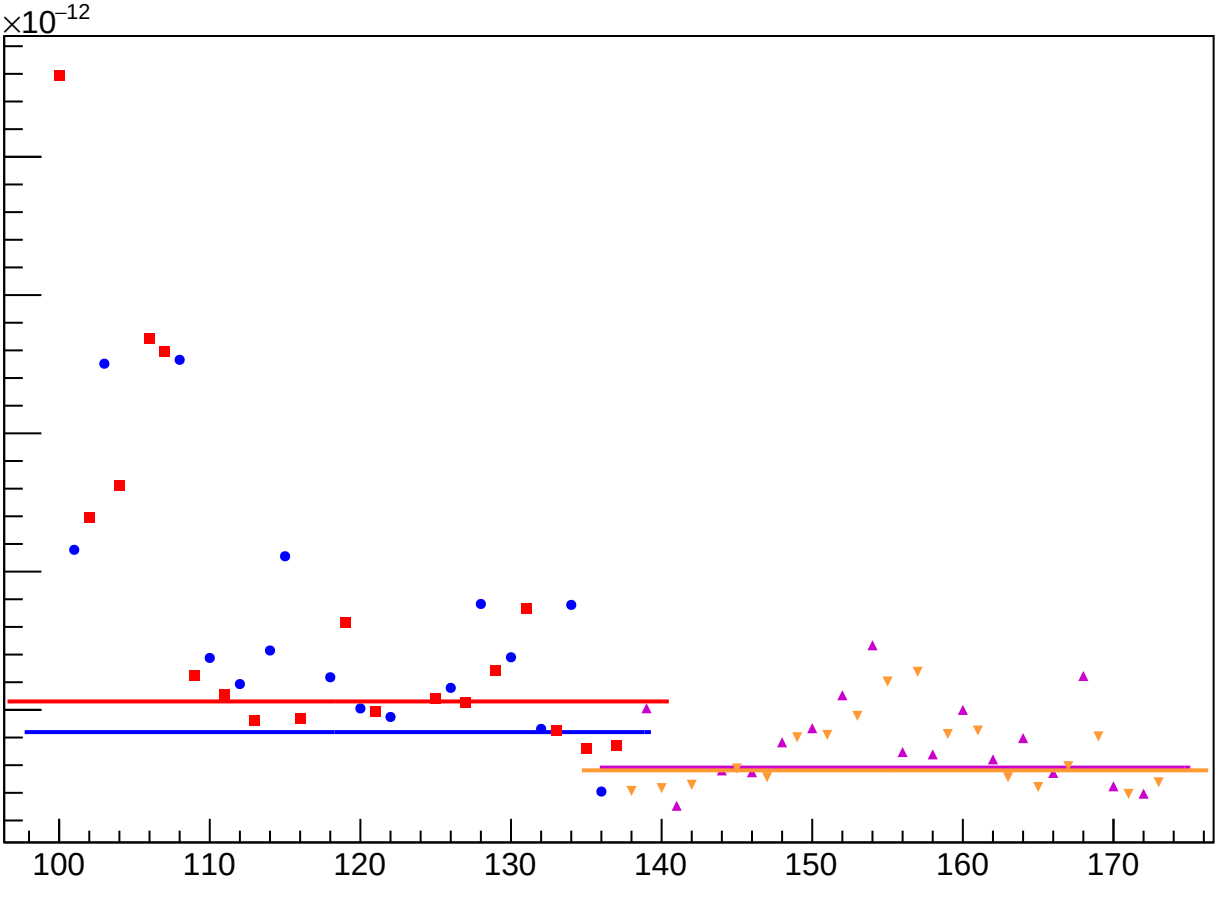
Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

In: -0.000+/-0.000 χ^2/NDF:23.8/32

Out: -0.000+/-0.000 χ^2/NDF:41.1/35

All: -0.000+/-0.000 χ^2/NDF: 64.9/68

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:1744907.9/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2787059.4/16

Left: 0.000+/-0.000 χ^2/NDF: 4540705.1/34

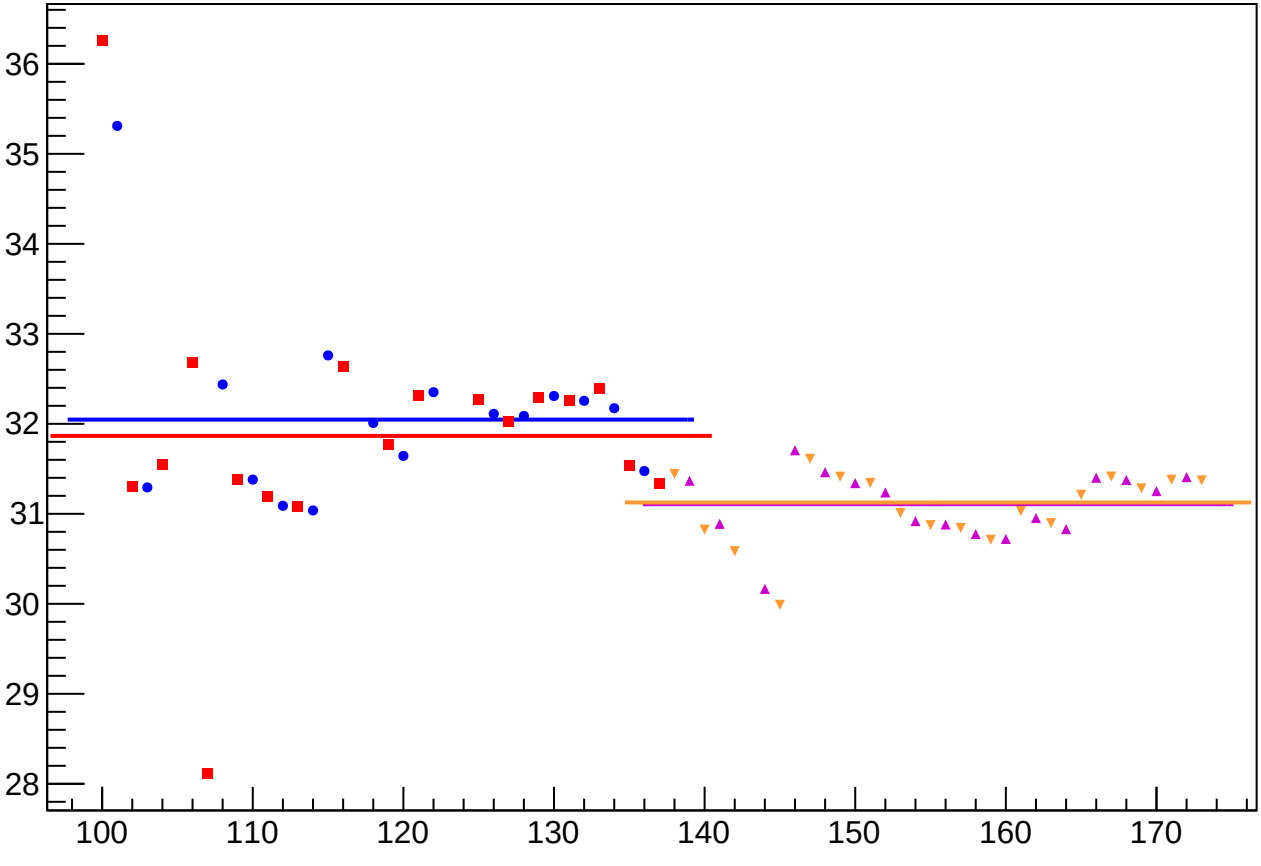
Right: 0.000+/-0.000 χ^2/NDF: 4124908.8/33

In: 0.000+/-0.000 χ^2/NDF:5977057.1/32

Out: 0.000+/-0.000 χ^2/NDF:4362689.4/35

All: 0.000+/-0.000 χ^2/NDF: 10339951.8/68

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.126+/-0.000 χ^2/NDF:268076128.4/17

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.106+/-0.000 χ^2/NDF:265640593.4/16

Left: 31.117+/-0.000 χ^2/NDF: 534148412.0/34

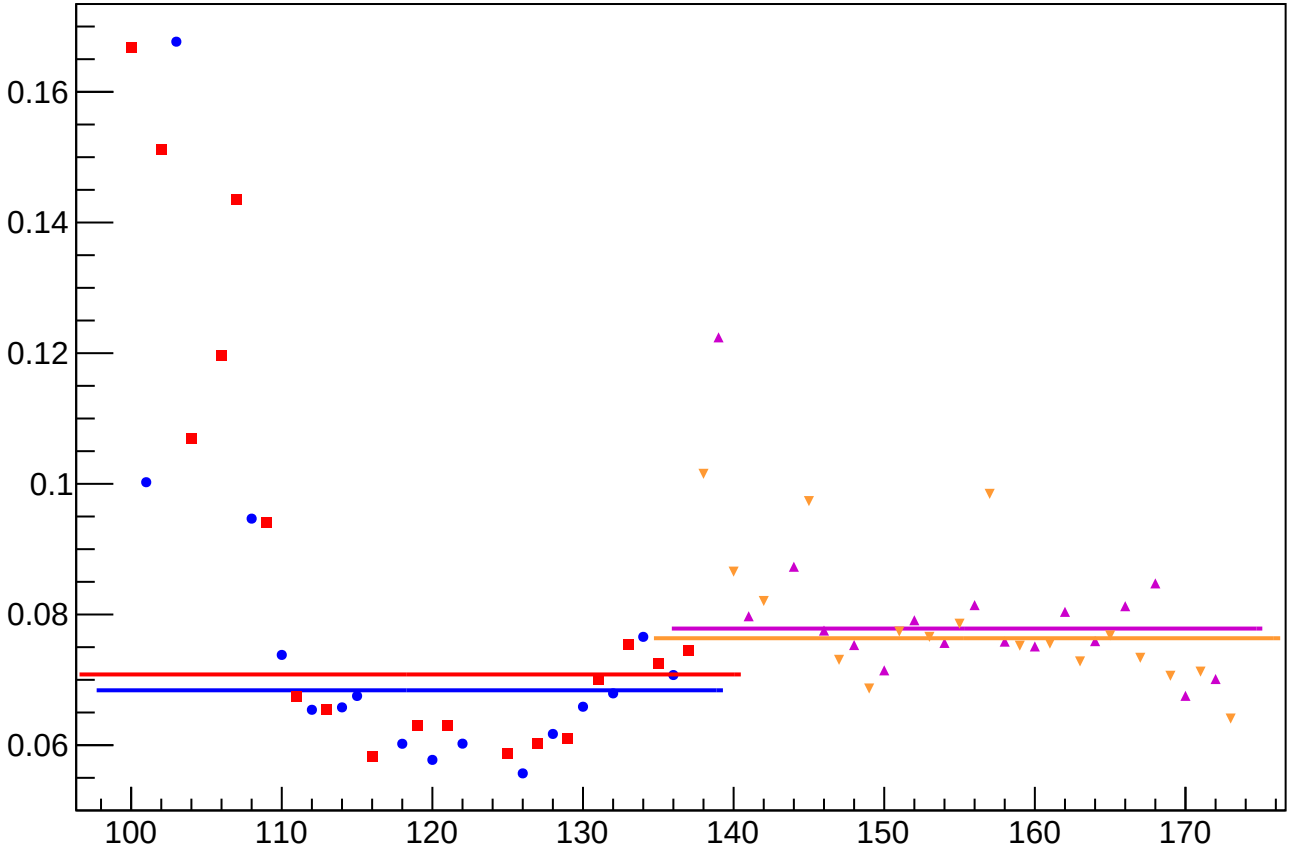
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.475+/-0.000 χ^2/NDF:1883550443.7/32

Out: 31.395+/-0.000 χ^2/NDF:1186679078.5/35

All: 31.435+/-0.000 χ^2/NDF: 3081404201.2/6

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.076+/-0.000 χ^2/NDF:351312.2/17

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.078+/-0.000 χ^2/NDF:319144.3/16

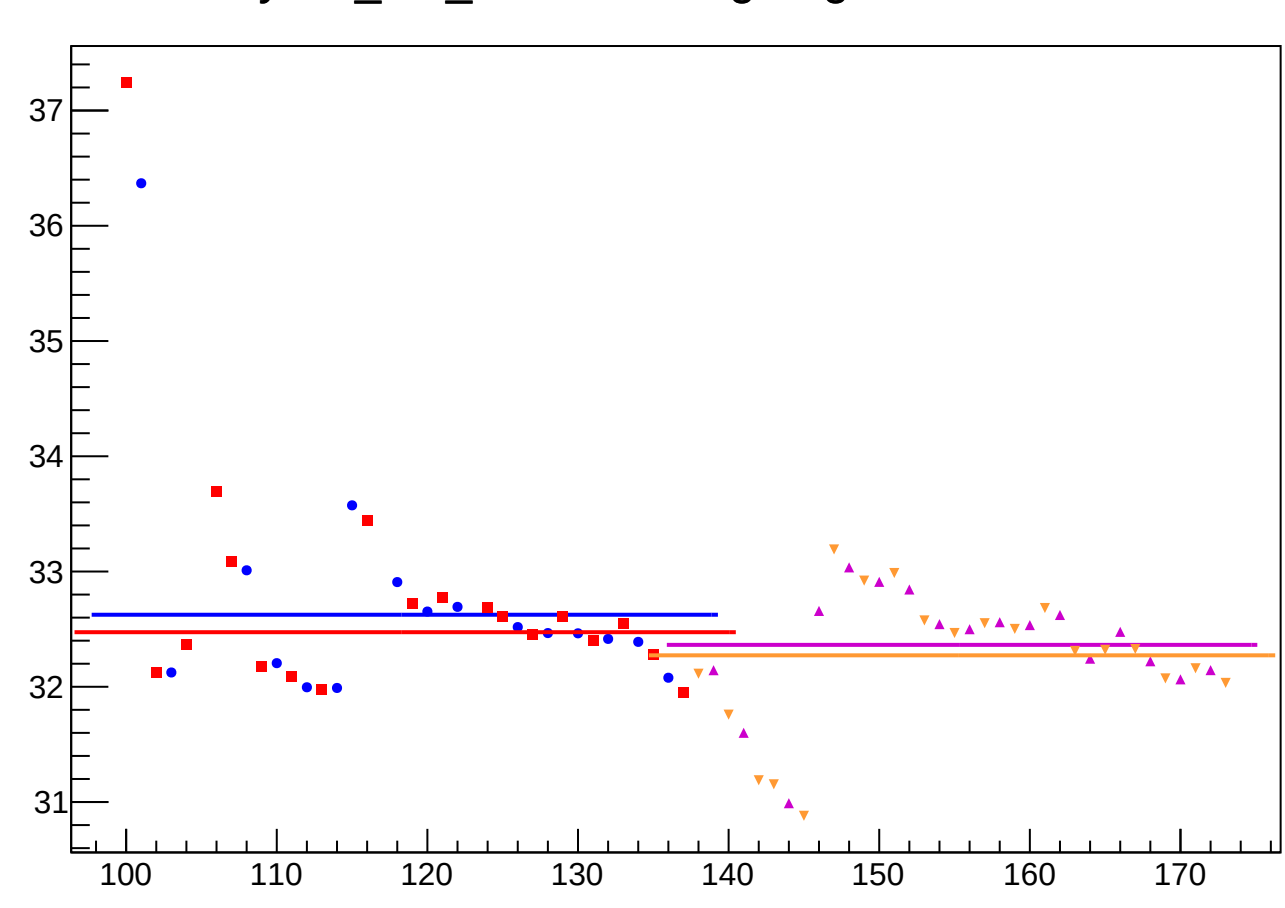
Left: 0.077+/-0.000 χ^2/NDF: 675117.5/34

Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.074+/-0.000 χ^2/NDF:1167514.9/32

Out: 0.074+/-0.000 χ^2/NDF:1268164.4/35

All: 0.074+/-0.000 χ^2/NDF: 2435841.0/68



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.273+/-0.000 χ^2/NDF:792519359.0/18

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.364+/-0.000 χ^2/NDF:558315349.2/16

Left: 32.317+/-0.000 χ^2/NDF: 1359881977.7/35

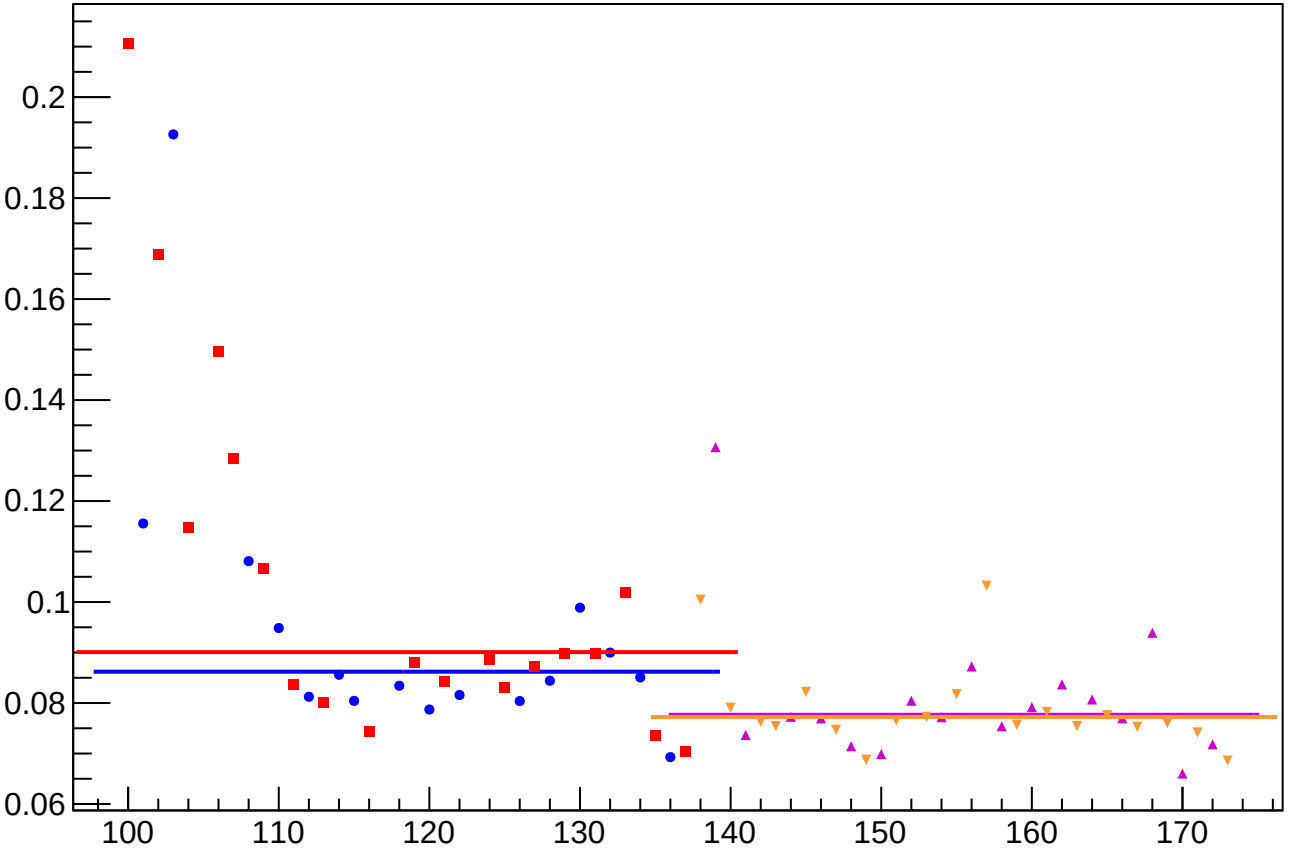
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.438+/-0.000 χ^2/NDF:1338715309.4/32

Out: 32.325+/-0.000 χ^2/NDF:973041664.5/37

All: 32.380+/-0.000 χ^2/NDF: 2331176222.5/7

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.077+/-0.000 χ^2/NDF:229858.6/18

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.078+/-0.000 χ^2/NDF:443274.6/16

Left: 0.077+/-0.000 χ^2/NDF: 673569.2/35

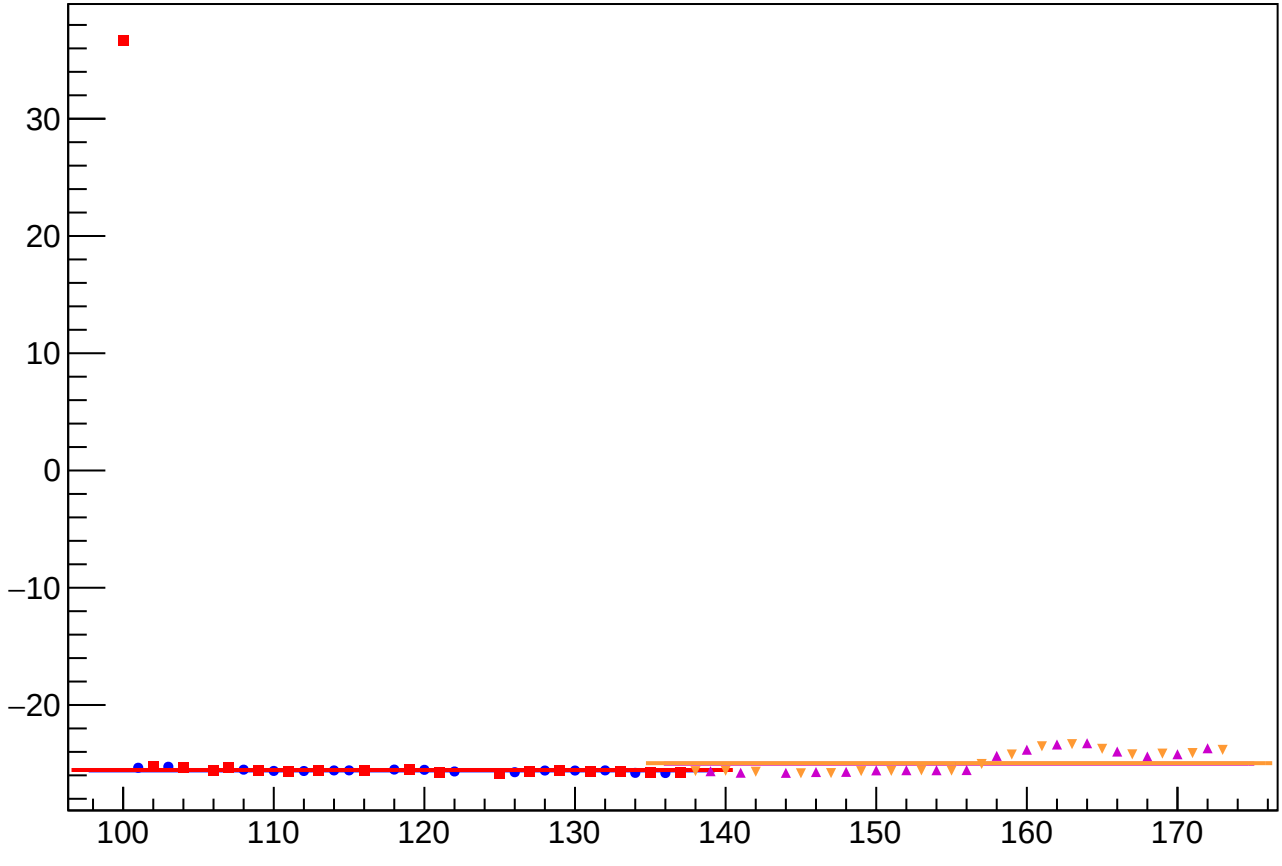
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.080+/-0.000 χ^2/NDF:1129953.5/32

Out: 0.081+/-0.000 χ^2/NDF:1046454.6/37

All: 0.080+/-0.000 χ^2/NDF: 2176997.8/70

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -24.962+/-0.000 χ^2/NDF:5058816696.0/17

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -25.004+/-0.000 χ^2/NDF:5368408687.2/16

Left: -24.983+/-0.000 χ^2/NDF: 10433218138.6/34

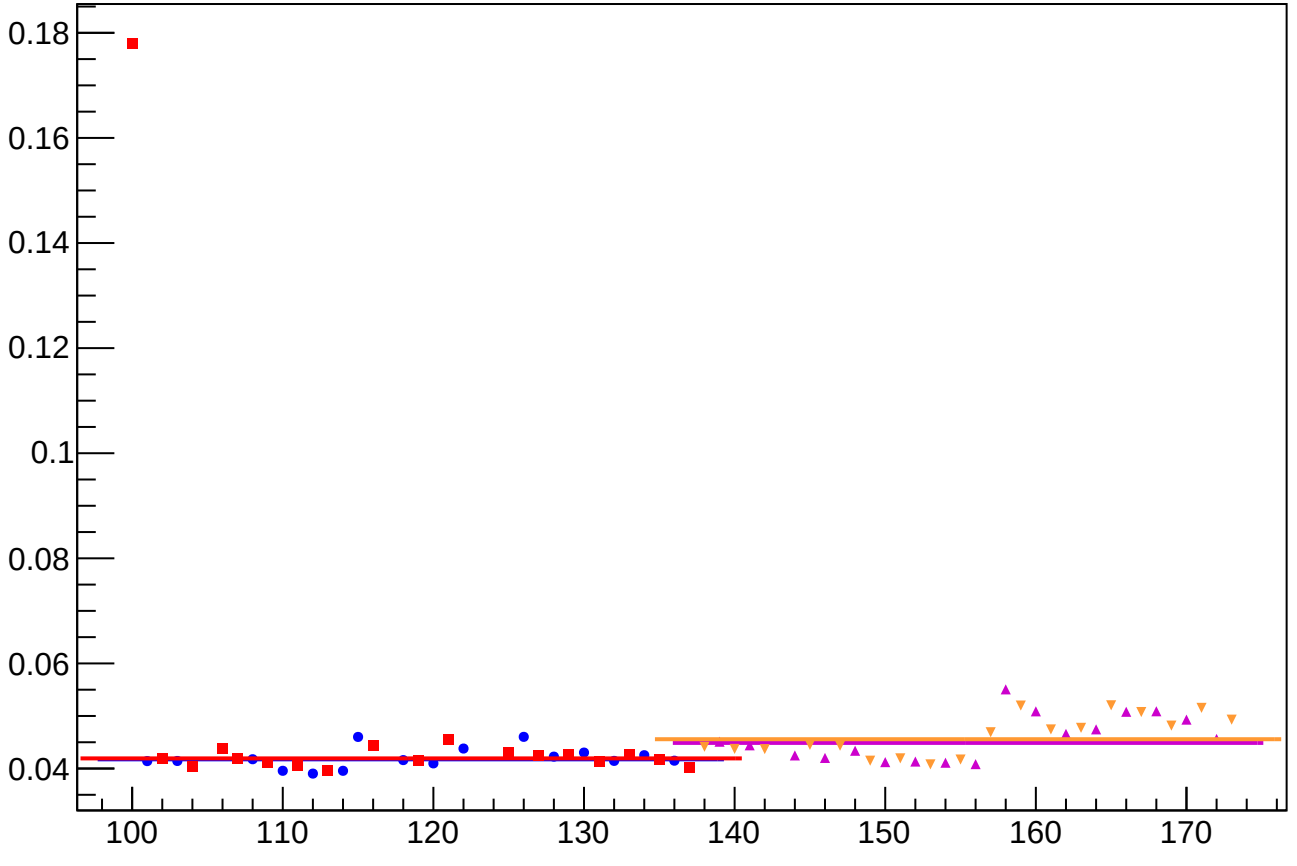
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.221+/-0.000 χ^2/NDF:6312052634.3/32

Out: -25.185+/-0.000 χ^2/NDF:14826678967.3/35

All: -25.203+/-0.000 χ^2/NDF: 21145959938.0

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.046+/-0.000 χ^2/NDF:174075.8/17

Right Out: 0.042+/-0.000 χ^2/NDF: 100140.4/17

Left In: 0.045+/-0.000 χ^2/NDF:211353.7/16

Left: 0.045+/-0.000 χ^2/NDF: 388738.1/34

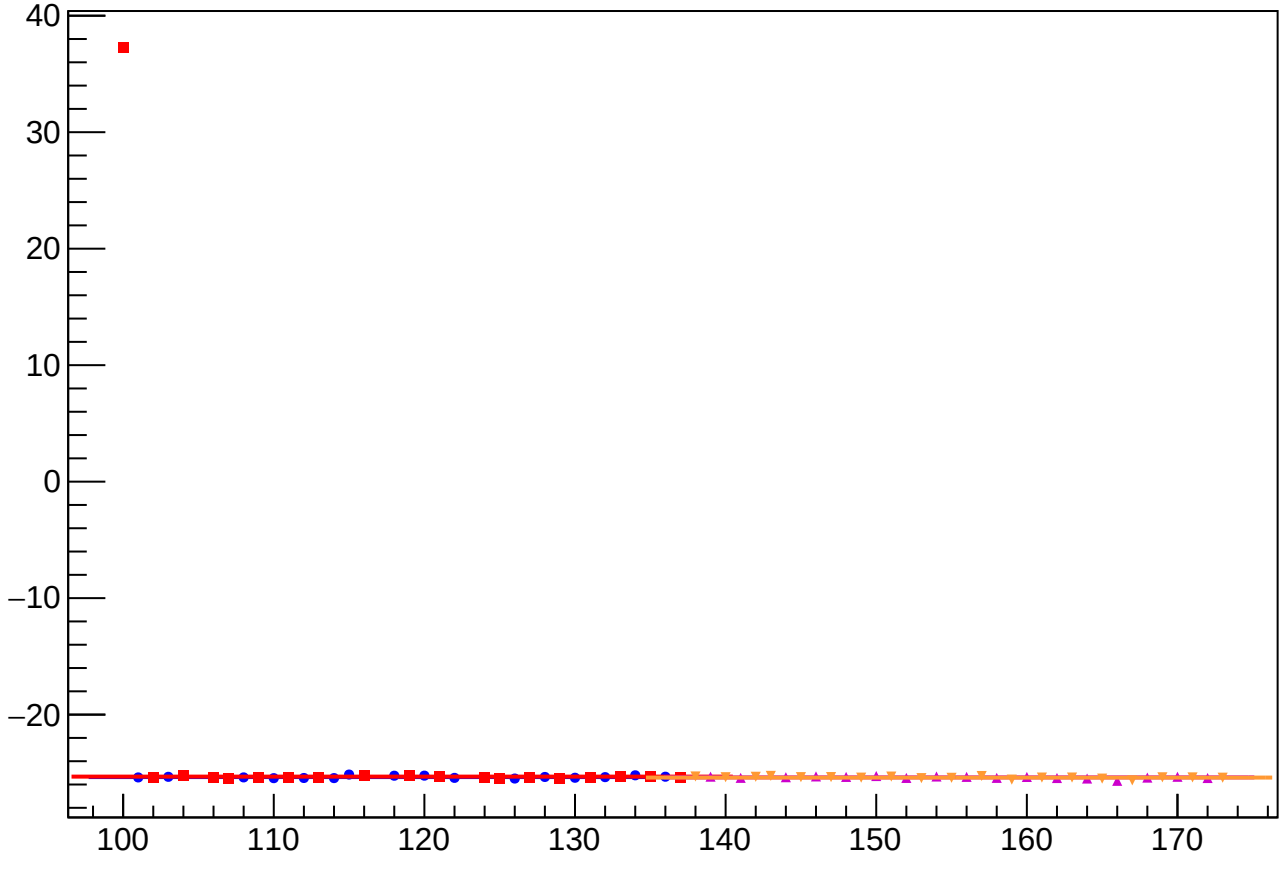
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.044+/-0.000 χ^2/NDF:282159.7/32

Out: 0.044+/-0.000 χ^2/NDF:341953.1/35

All: 0.044+/-0.000 χ^2/NDF: 626668.0/68

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.404+/-0.000 χ^2/NDF:42415790.1/18

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.387+/-0.000 χ^2/NDF:33887748.6/16

Left: -25.396+/-0.000 χ^2/NDF: 76974890.7/35

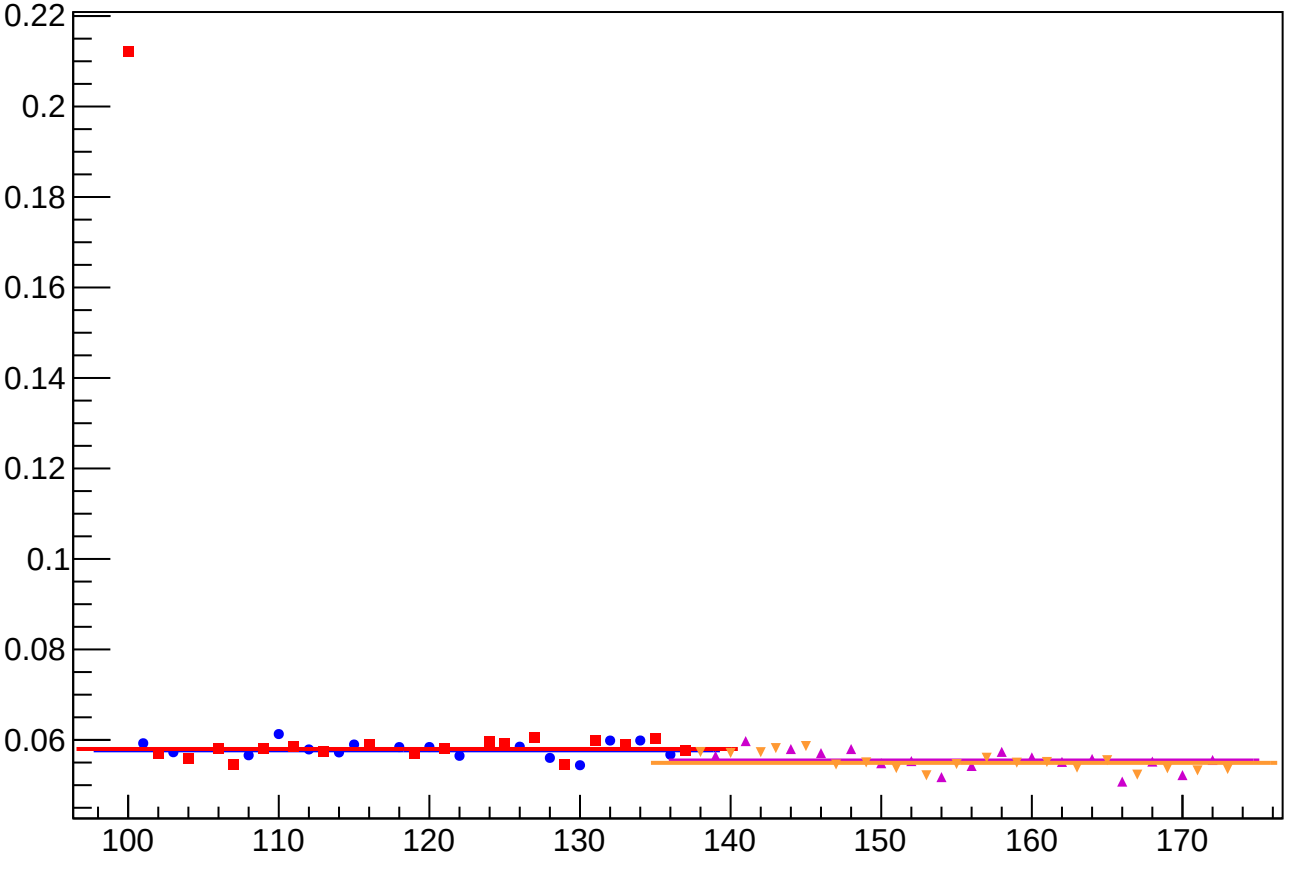
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.379+/-0.000 χ^2/NDF:48209436.6/32

Out: -25.379+/-0.000 χ^2/NDF:6367374039.1/37

All: -25.379+/-0.000 χ^2/NDF: 6415583941.0/

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:31503.2/18

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.055+/-0.000 χ^2/NDF:44217.8/16

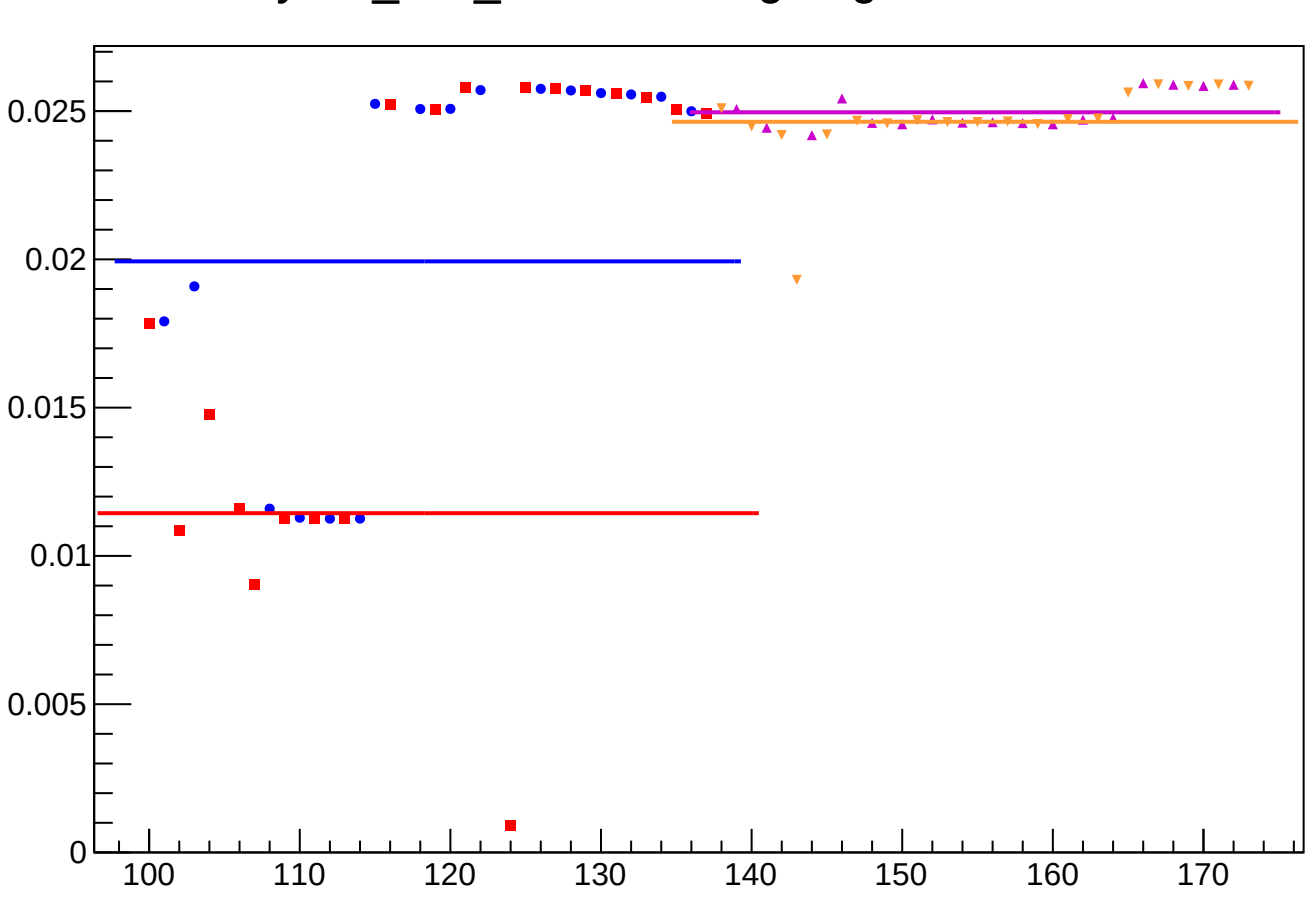
Left: 0.055+/-0.000 χ^2/NDF: 76968.1/35

Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.056+/-0.000 χ^2/NDF:70319.9/32

Out: 0.056+/-0.000 χ^2/NDF:148051.8/37

All: 0.056+/-0.000 χ^2/NDF: 218972.3/70



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.025+/-0.000 χ^2/NDF:6315698038.6/18

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

Left In: 0.025+/-0.000 χ^2/NDF:874365556.0/16

Left: 0.025+/-0.000 χ^2/NDF: 7335540827.9/35

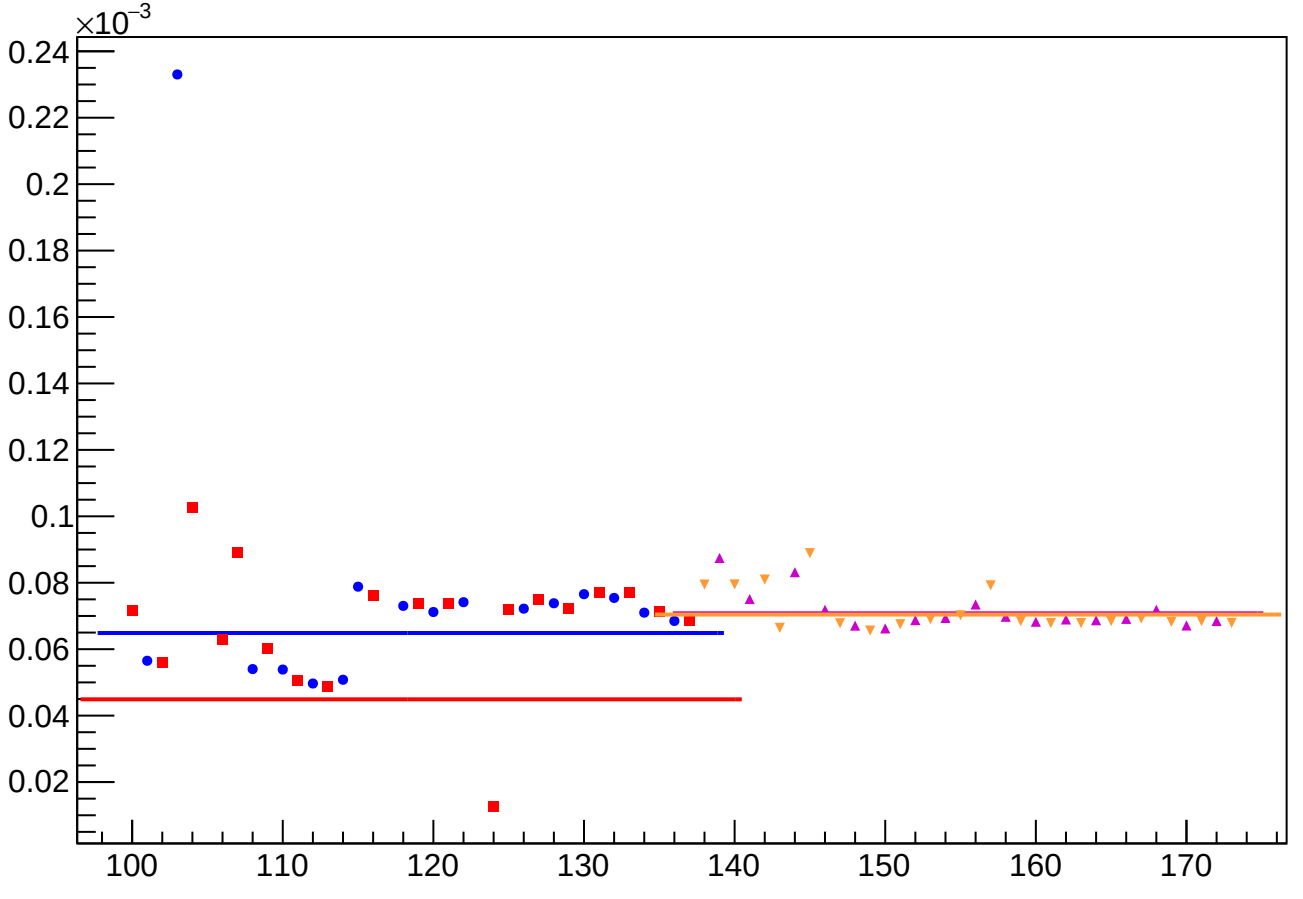
Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

In: 0.023+/-0.000 χ^2/NDF:88407866950.9/32

Out: 0.019+/-0.000 χ^2/NDF:496954024126.4/37

All: 0.021+/-0.000 χ^2/NDF: 635814022022.5

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:174412.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:133277.8/16

Left: 0.000+/-0.000 χ^2/NDF: 308110.1/35

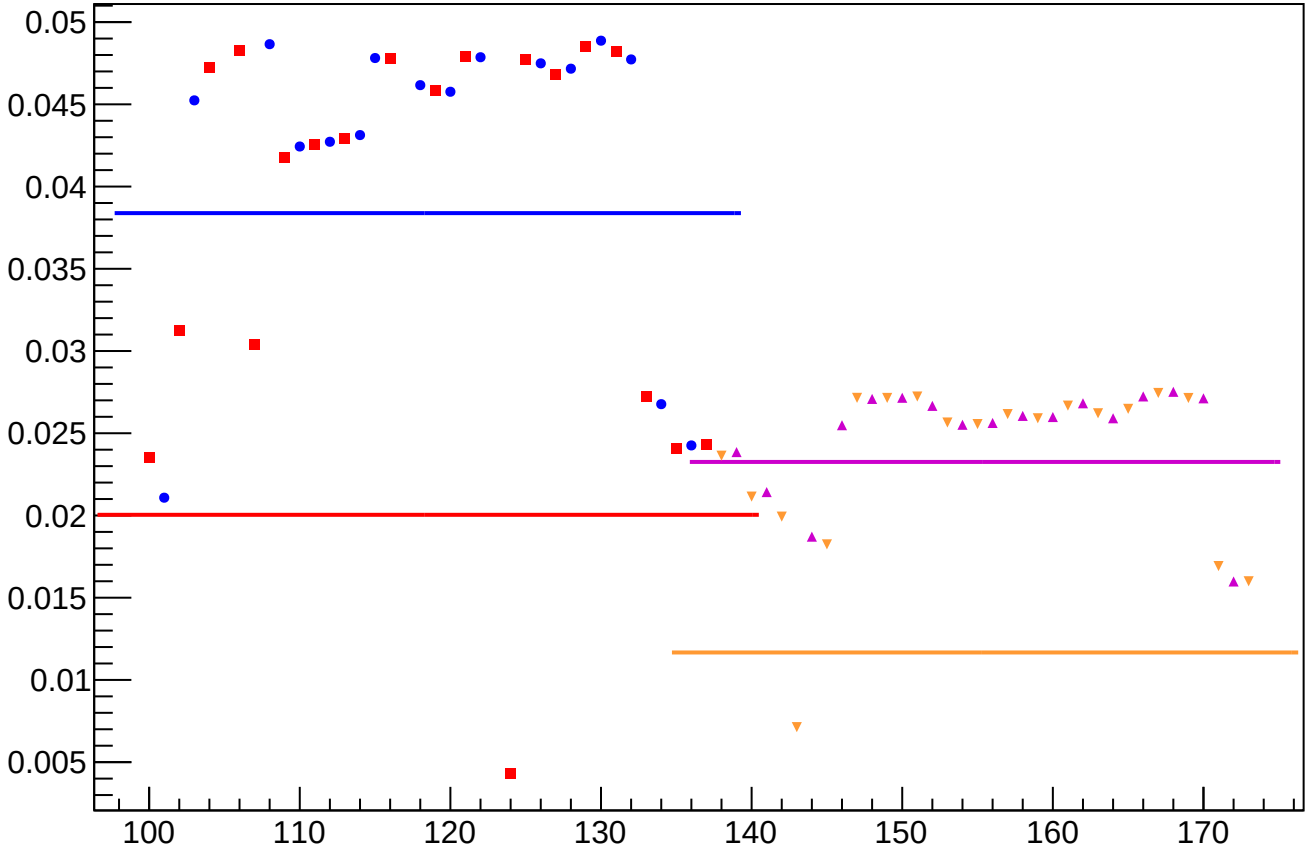
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1020049.1/32

Out: 0.000+/-0.000 χ^2/NDF:5714520.1/37

All: 0.000+/-0.000 χ^2/NDF: 7214870.8/70

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.012+/-0.000 χ^2/NDF:33935311640.8/18

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.023+/-0.000 χ^2/NDF:3145786823.4/16

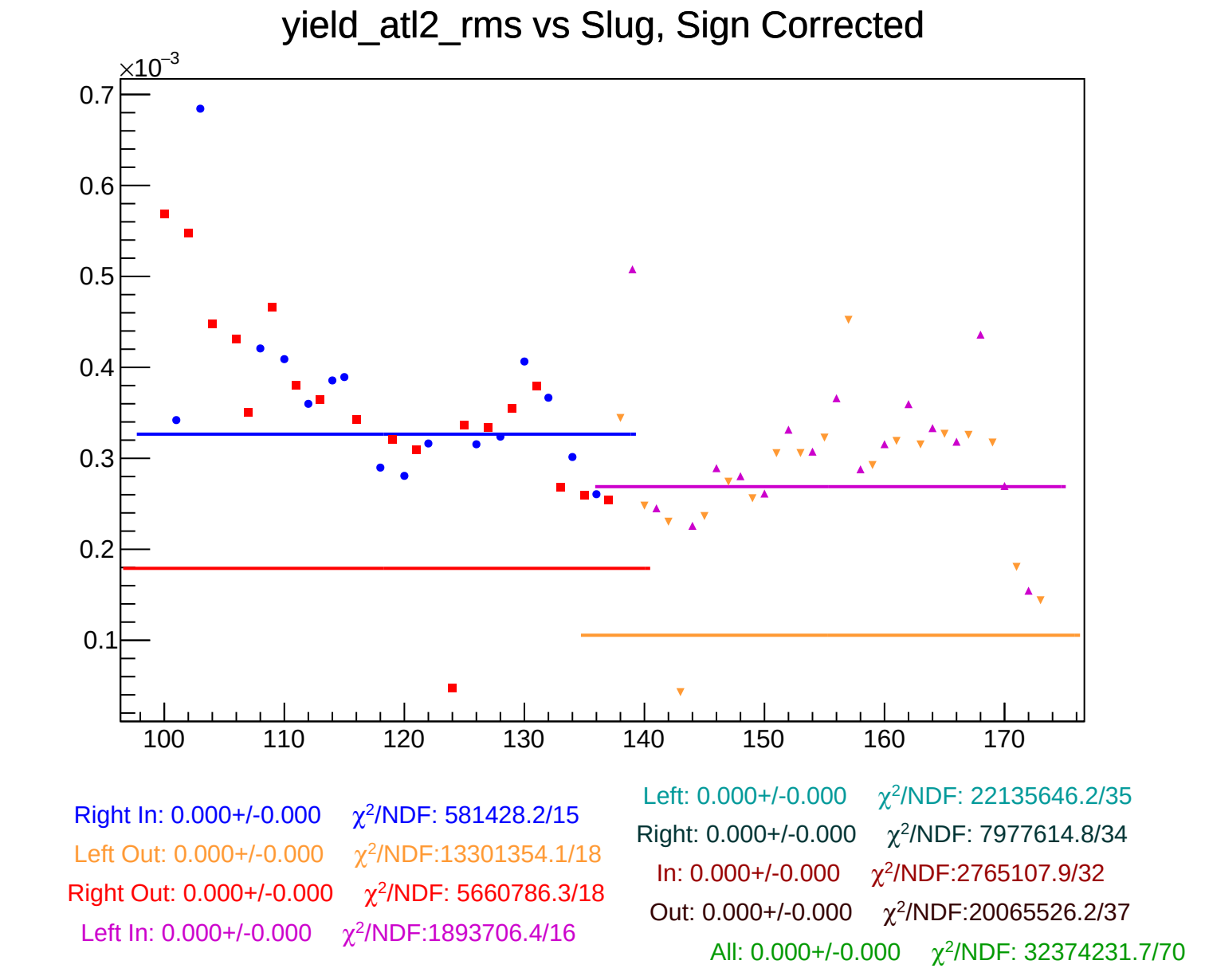
Left: 0.014+/-0.000 χ^2/NDF: 54540703688.5/35

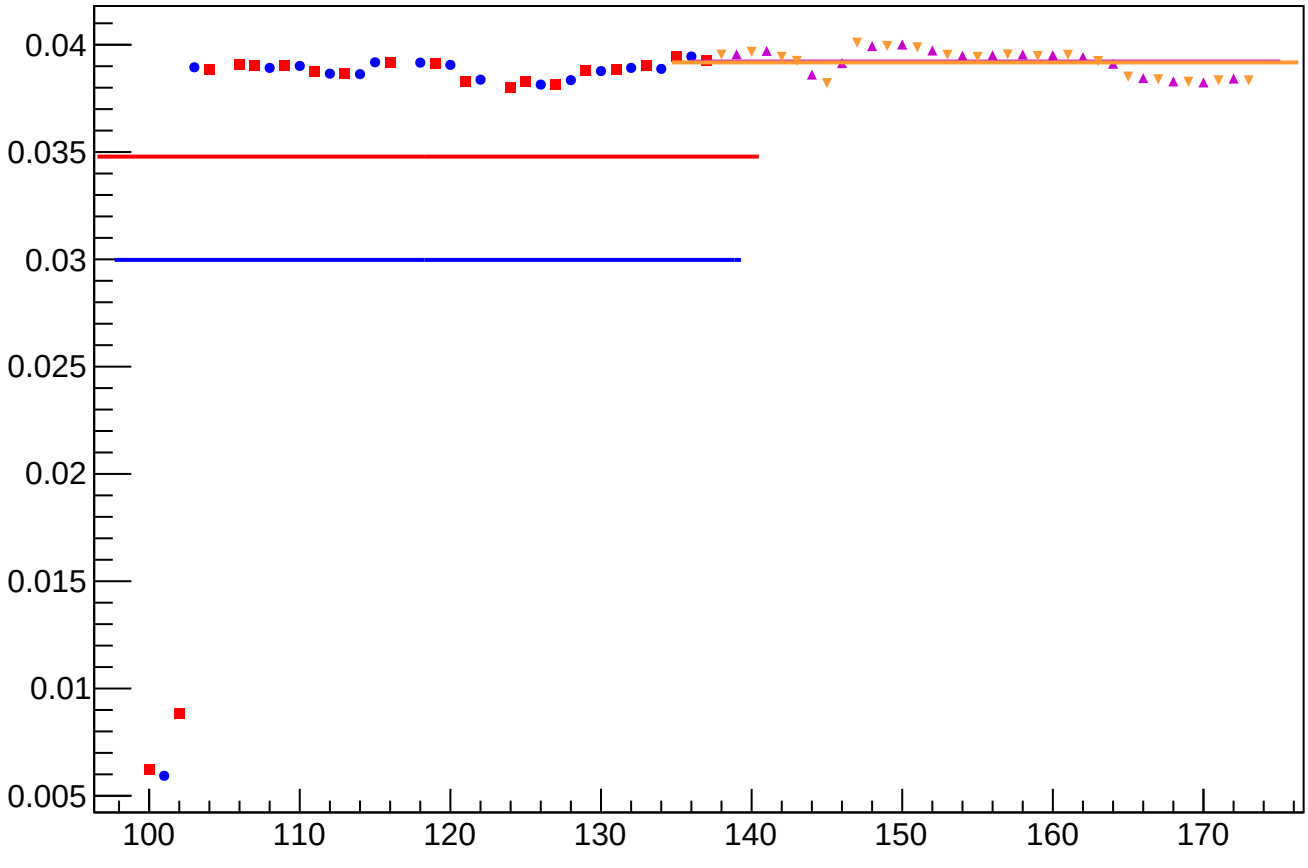
Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

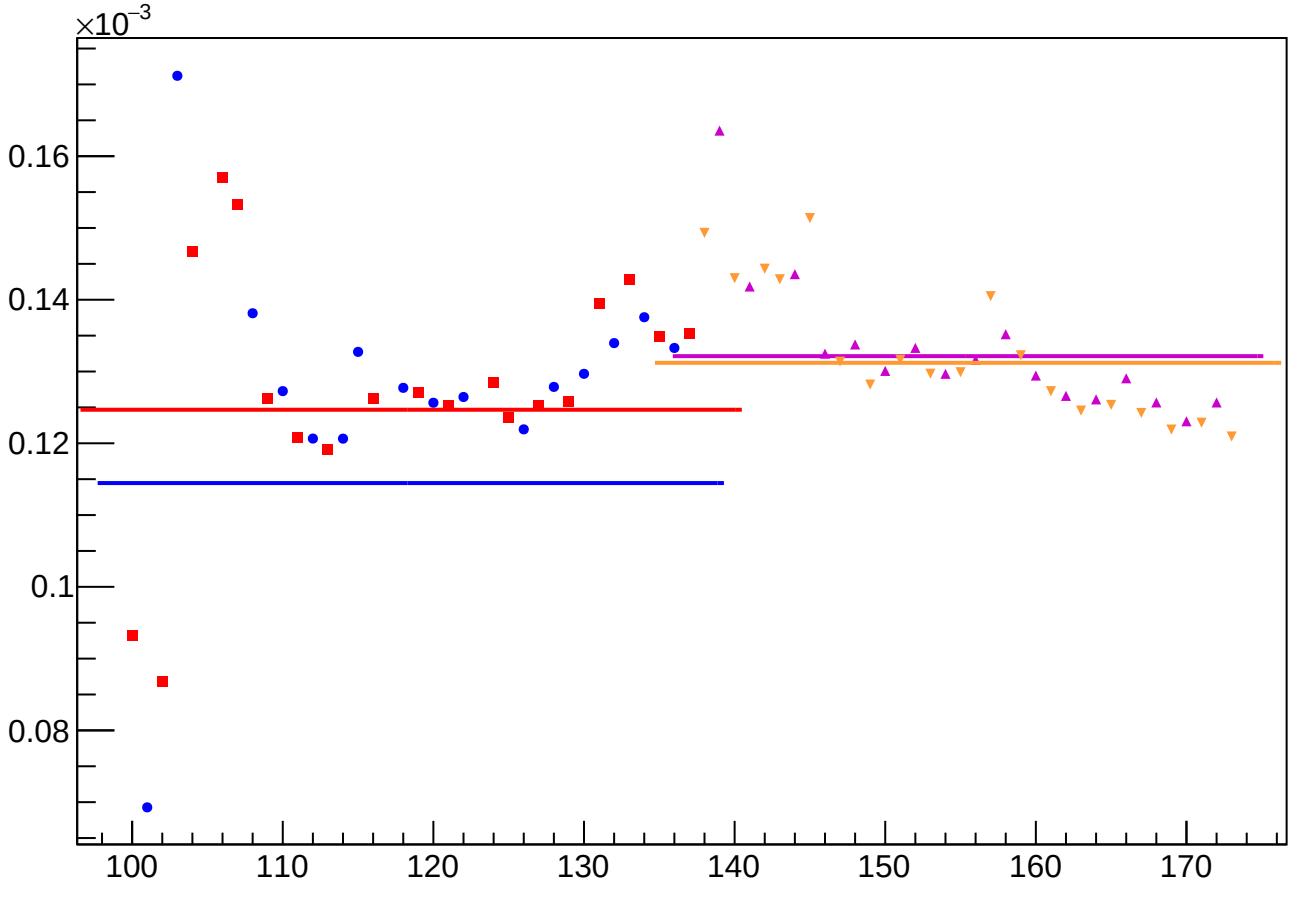
In: 0.027+/-0.000 χ^2/NDF:20188484349.3/32

Out: 0.013+/-0.000 χ^2/NDF:83270889171.2/37

All: 0.016+/-0.000 χ^2/NDF: 138234639107.6


yield_atl2_rms vs Slug, Sign Corrected
×10⁻³
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 581428.2/15
Left Out: 0.000+/-0.000 χ²/NDF:13301354.1/18
Right Out: 0.000+/-0.000 χ²/NDF: 5660786.3/18
Left In: 0.000+/-0.000 χ²/NDF:1893706.4/16
Left: 0.000+/-0.000 χ²/NDF: 22135646.2/35
Right: 0.000+/-0.000 χ²/NDF: 7977614.8/34
In: 0.000+/-0.000 χ²/NDF:2765107.9/32
Out: 0.000+/-0.000 χ²/NDF:20065526.2/37
All: 0.000+/-0.000 χ²/NDF: 32374231.7/70


yield_atr1_mean vs Slug, Sign Corrected
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
Right In: 0.030+/-0.000 χ²/NDF: 108275706275.7/15
Left Out: 0.039+/-0.000 χ²/NDF:331794588.1/18
Right Out: 0.035+/-0.000 χ²/NDF: 47263545471.6/18
Left In: 0.039+/-0.000 χ²/NDF:265840767.4/16
Left: 0.039+/-0.000 χ²/NDF: 598245401.0/35
Right: 0.032+/-0.000 χ²/NDF: 161037517780.6/34
In: 0.036+/-0.000 χ²/NDF:134804689708.3/32
Out: 0.038+/-0.000 χ²/NDF:53224376636.3/37
All: 0.037+/-0.000 χ²/NDF: 190836490130.9



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:127823.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:106557.5/16

Left: 0.000+/-0.000 χ^2/NDF: 235080.4/35

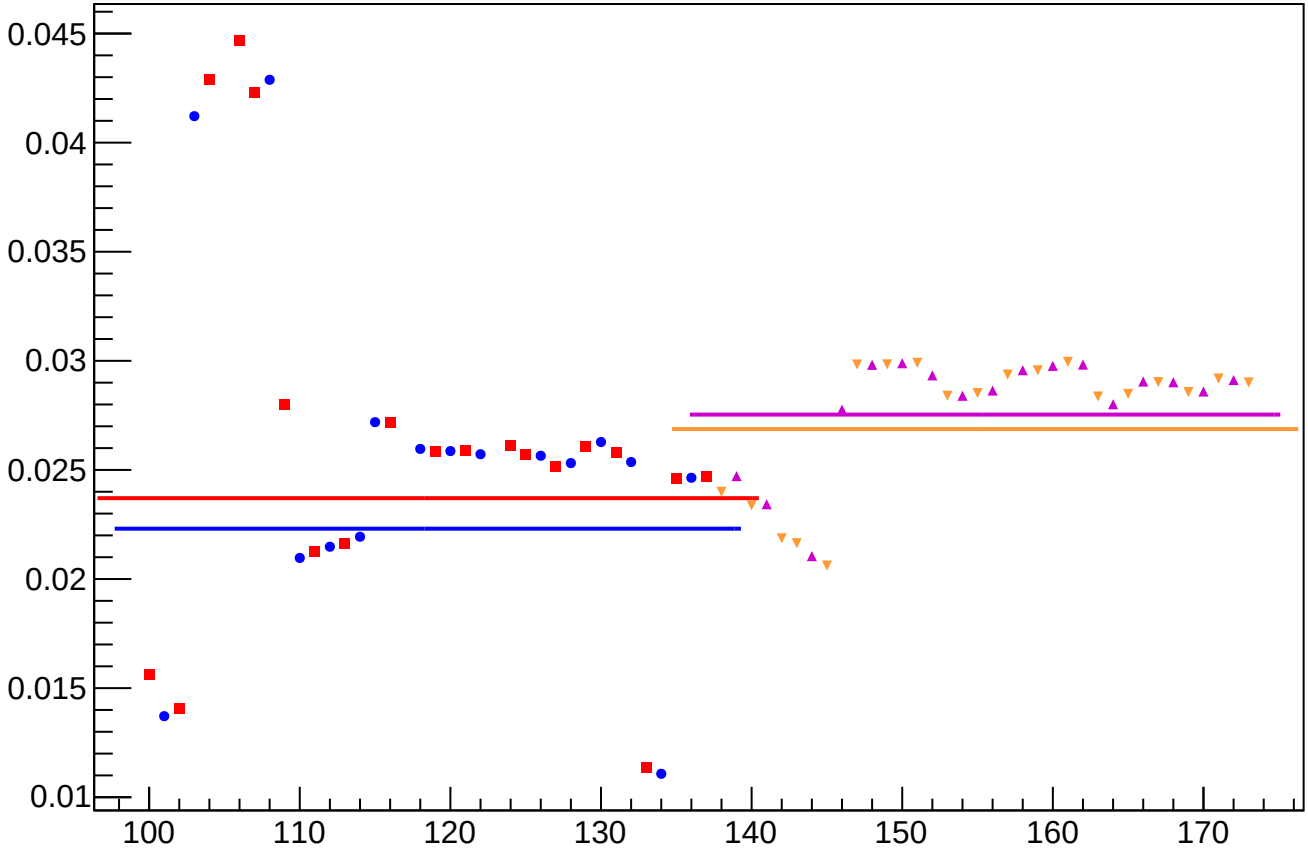
Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1152026.2/32

Out: 0.000+/-0.000 χ^2/NDF:413215.5/37

All: 0.000+/-0.000 χ^2/NDF: 1583669.1/70

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.027+/-0.000 χ^2/NDF:1970871560.4/18

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.028+/-0.000 χ^2/NDF:1315846463.4/16

Left: 0.027+/-0.000 χ^2/NDF: 3321455306.3/35

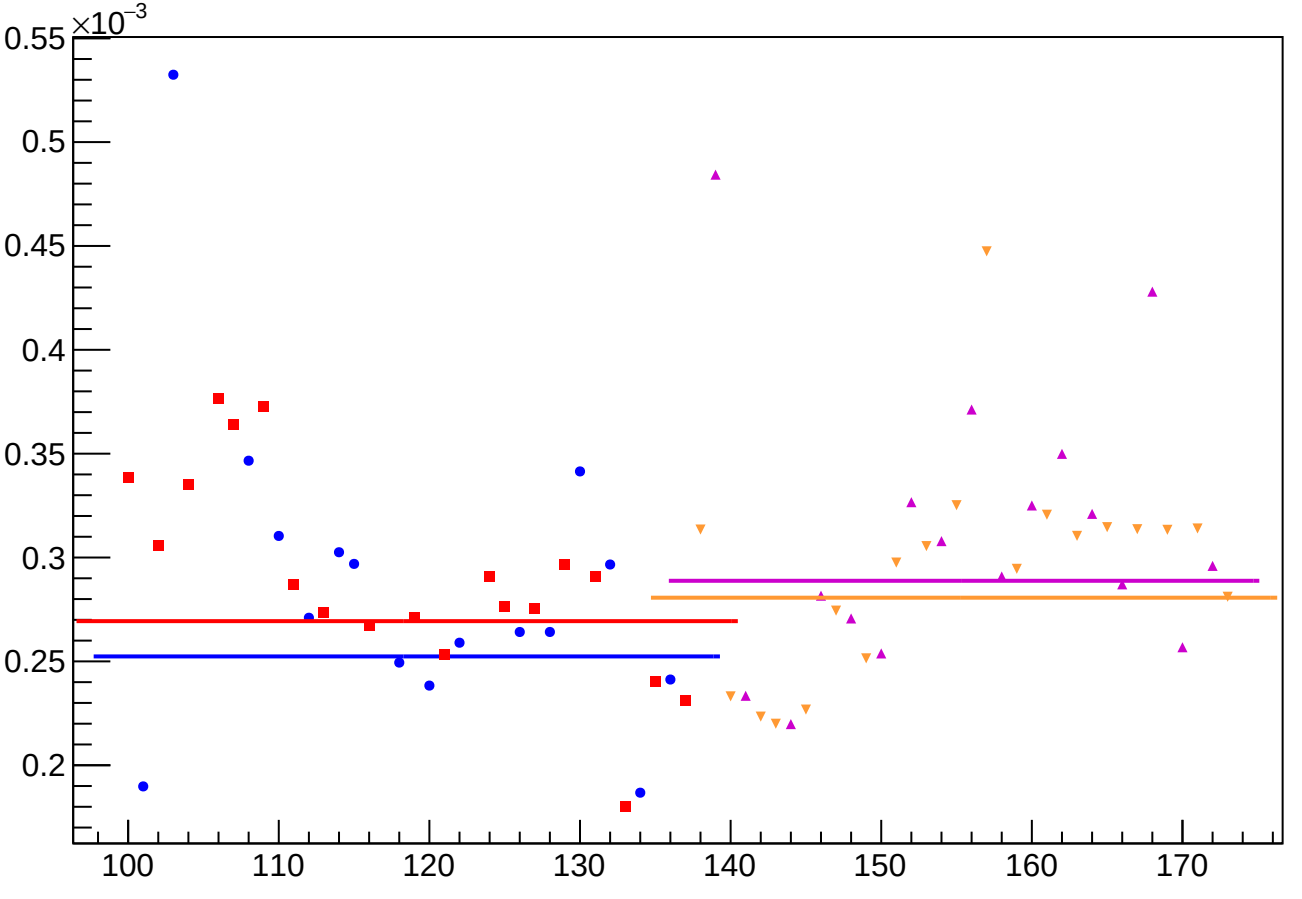
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.025+/-0.000 χ^2/NDF:7948152141.9/32

Out: 0.026+/-0.000 χ^2/NDF:8136114536.7/37

All: 0.026+/-0.000 χ^2/NDF: 16096124945.0/7

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:656503.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:922846.9/16

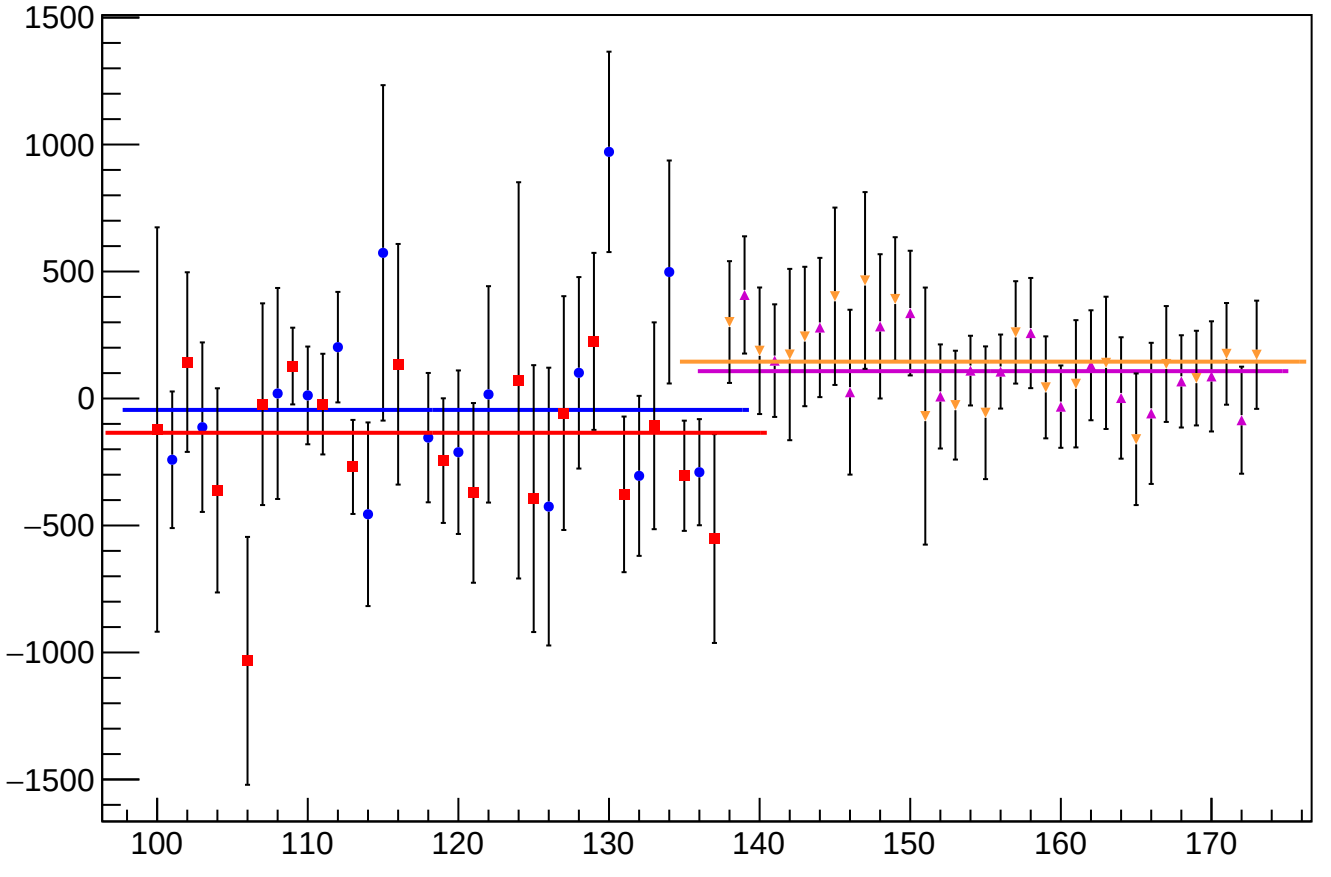
Left: 0.000+/-0.000 χ^2/NDF: 1589797.5/35

Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1787841.1/32

Out: 0.000+/-0.000 χ^2/NDF:1117693.2/37

All: 0.000+/-0.000 χ^2/NDF: 2906945.5/70



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 145.116+/-55.969 χ^2/NDF:6.7/18

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 107.646+/-49.999 χ^2/NDF:6.4/16

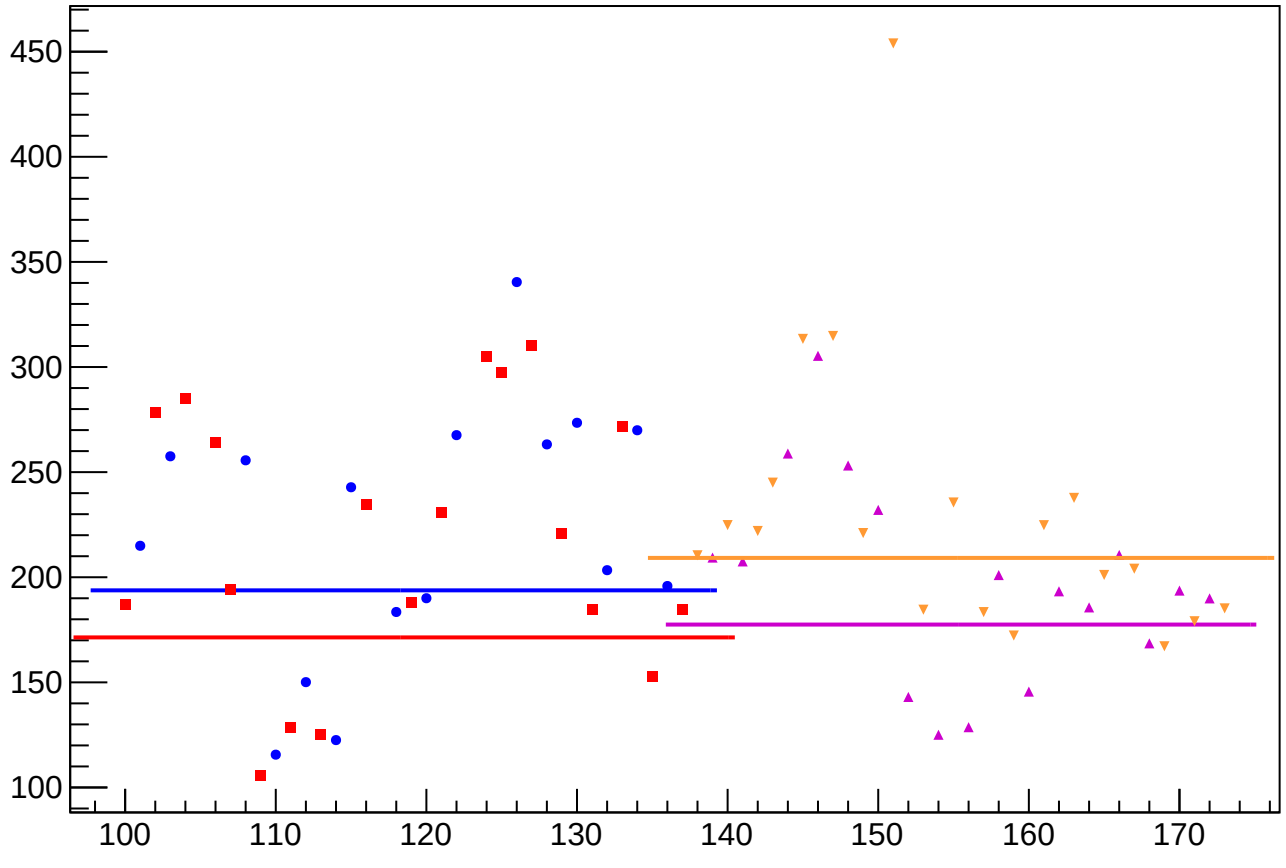
Left: 124.277+/-37.287 χ^2/NDF: 13.3/35

Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

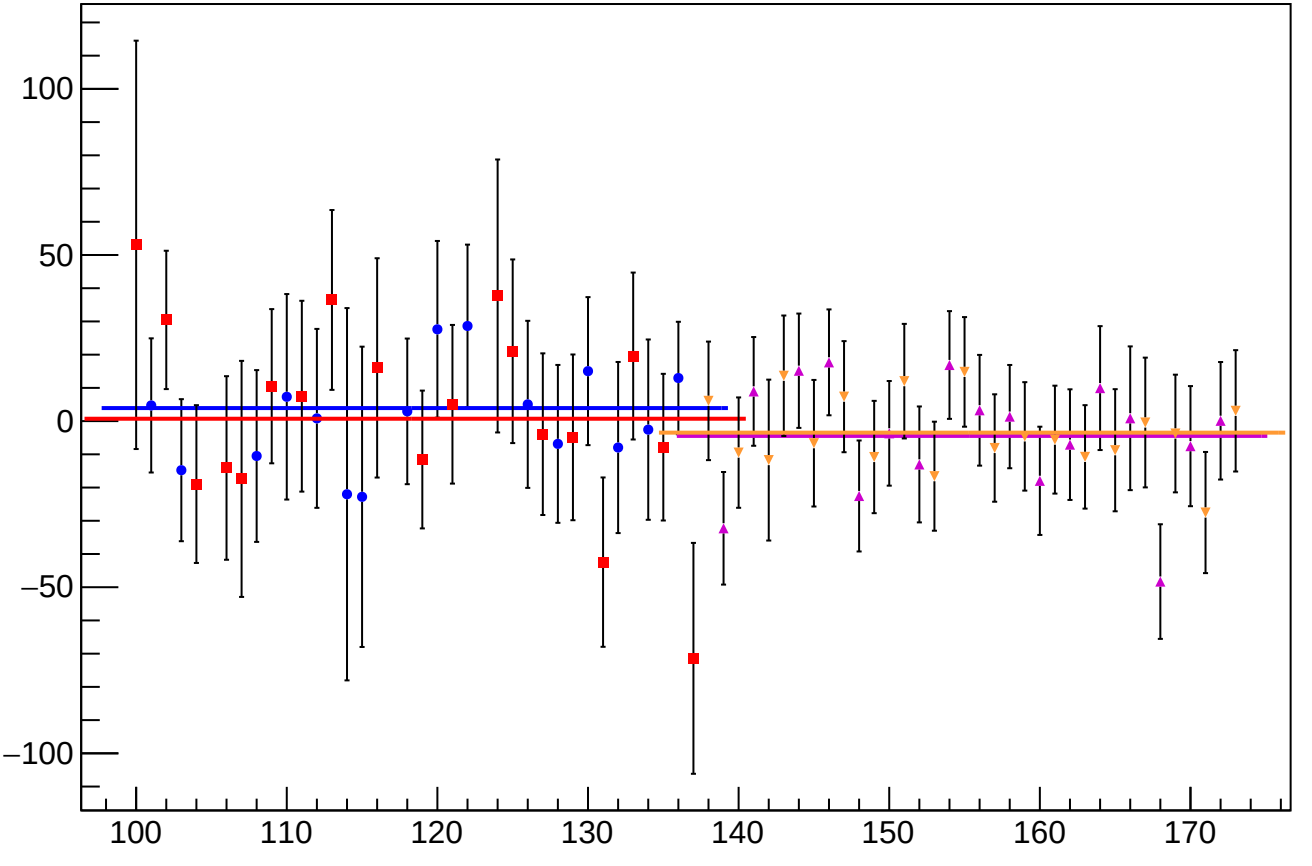
In: 61.729+/-41.803 χ^2/NDF:24.6/32

Out: 32.113+/-43.230 χ^2/NDF:29.7/37

All: 47.418+/-30.051 χ^2/NDF: 54.6/70


asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected
450
400
350
300
250
200
150
100
100
110
120
130
140
150
160
170
Right In: 193.768+/-0.054 χ²/NDF: 1048095.1/15
Left Out: 209.200+/-0.040 χ²/NDF:1233681.8/18
Right Out: 171.382+/-0.048 χ²/NDF: 1658079.5/18
Left In: 177.490+/-0.035 χ²/NDF:1539654.5/16
Left: 191.564+/-0.026 χ²/NDF: 3130370.5/35
Right: 181.316+/-0.036 χ²/NDF: 2802189.0/34
In: 182.389+/-0.030 χ²/NDF:2651546.6/32
Out: 193.943+/-0.031 χ²/NDF:3260133.2/37
All: 187.973+/-0.021 χ²/NDF: 5985507.0/70

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -3.473+/-4.004 χ^2/NDF:7.0/18

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: -4.457+/-4.118 χ^2/NDF:18.0/16

Left: -3.951+/-2.871 χ^2/NDF: 25.1/35

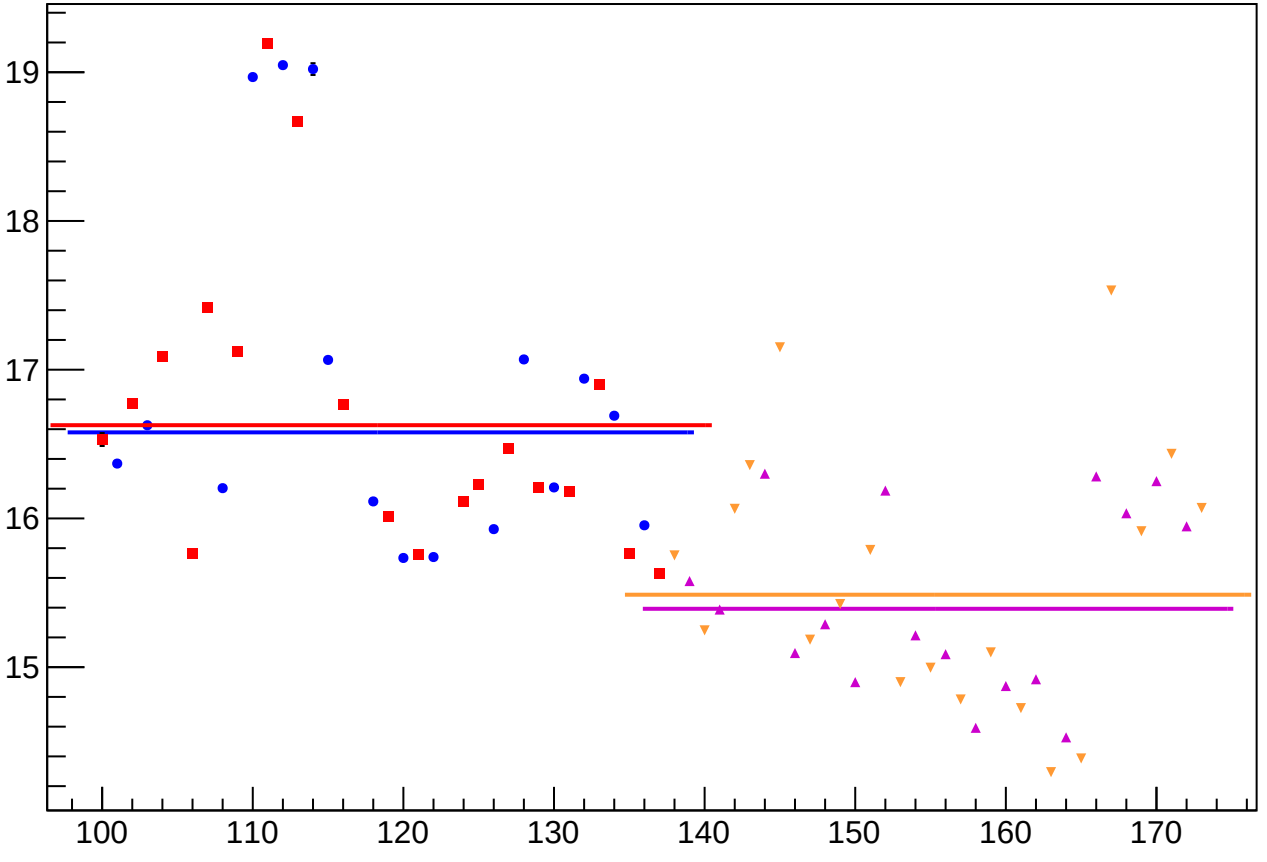
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: -1.875+/-3.425 χ^2/NDF:23.8/32

Out: -2.206+/-3.344 χ^2/NDF:23.3/37

All: -2.045+/-2.393 χ^2/NDF: 47.1/70

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: 15.487+/-0.003 χ^2/NDF:86268.5/18

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.392+/-0.003 χ^2/NDF:39492.8/16

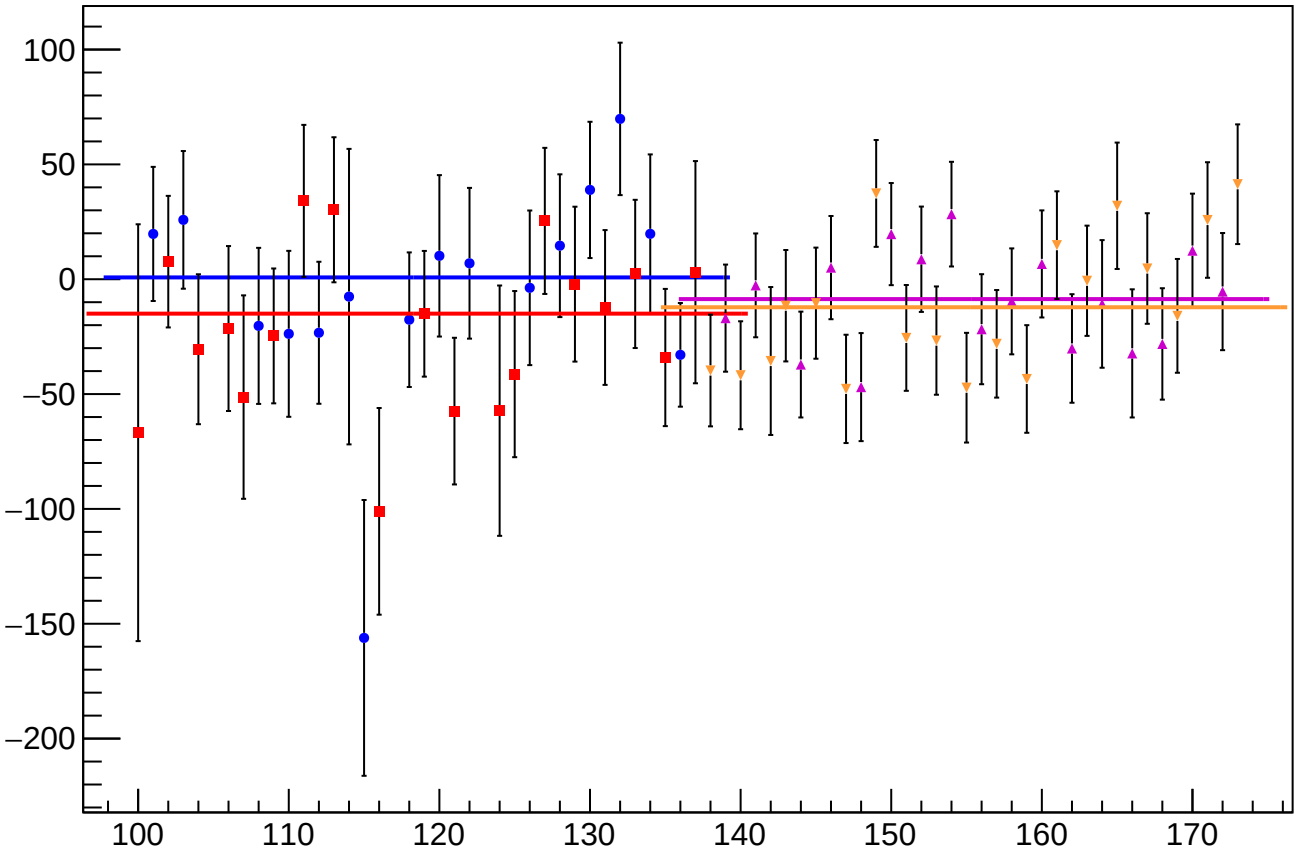
Left: 15.441+/-0.002 χ^2/NDF: 126304.6/35

Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 15.758+/-0.002 χ^2/NDF:135192.9/32

Out: 15.832+/-0.002 χ^2/NDF:178790.7/37

All: 15.796+/-0.002 χ^2/NDF: 314466.5/70



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -12.201+/-5.600 χ^2/NDF:26.5/18

Right Out: -14.981+/-7.953 χ^2/NDF: 15.4/18

Left In: -8.646+/-5.772 χ^2/NDF:13.2/16

Left: -10.478+/-4.019 χ^2/NDF: 39.9/35

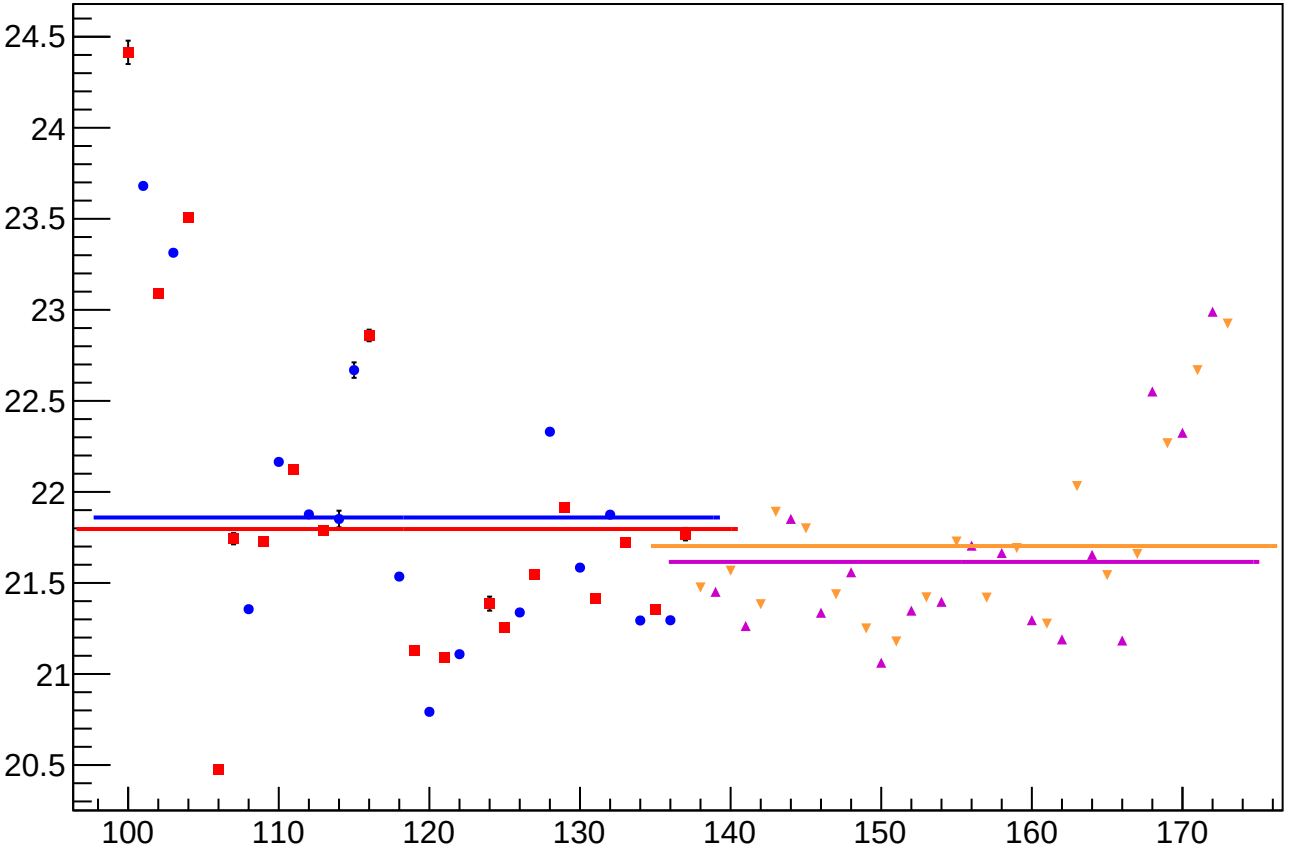
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -5.481+/-4.706 χ^2/NDF:32.8/32

Out: -13.122+/-4.579 χ^2/NDF:42.0/37

All: -9.406+/-3.282 χ^2/NDF: 76.1/70

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: 21.703+/-0.004 χ^2/NDF:12712.1/18

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.616+/-0.004 χ^2/NDF:14776.7/16

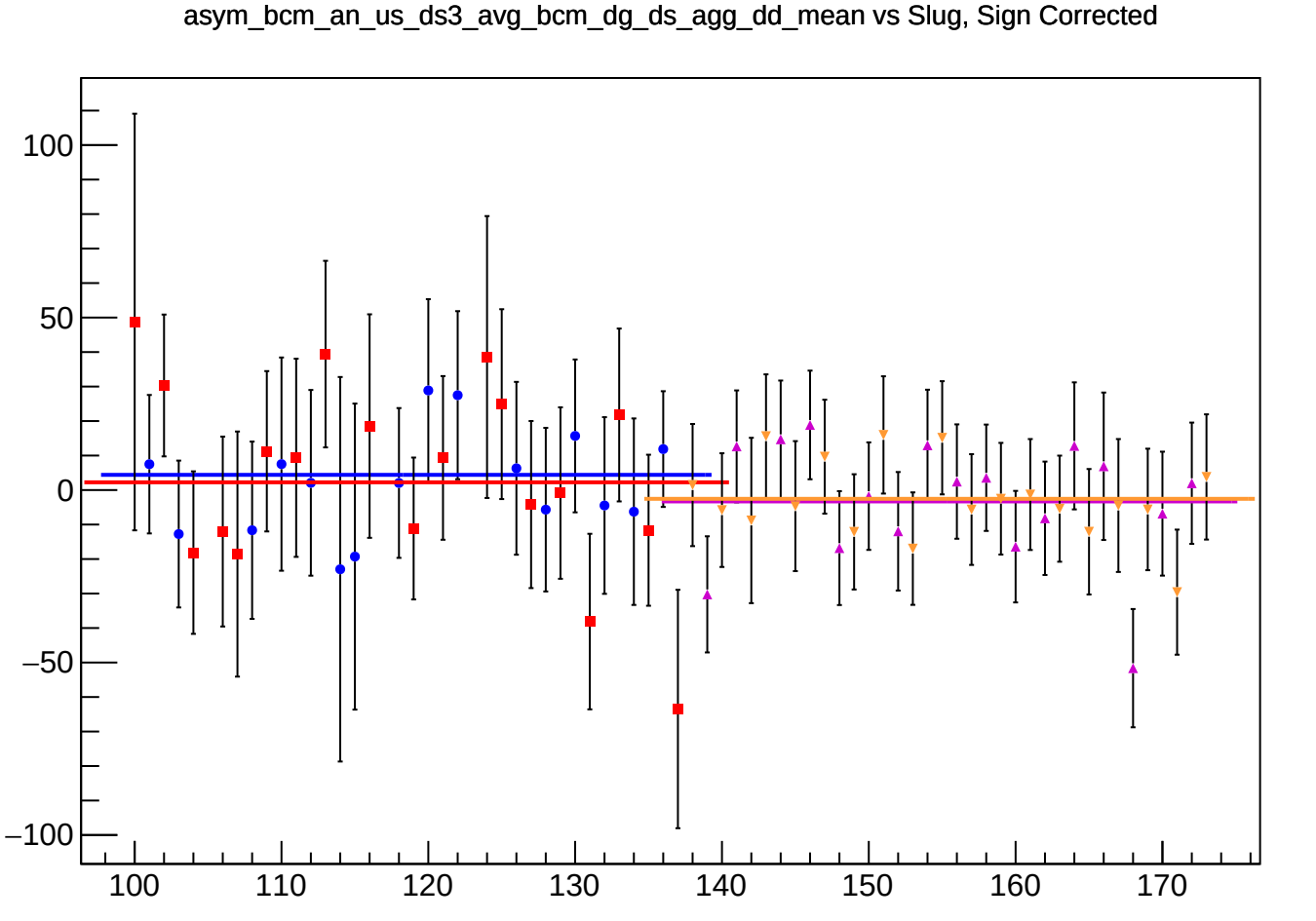
Left: 21.660+/-0.003 χ^2/NDF: 27724.1/35

Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

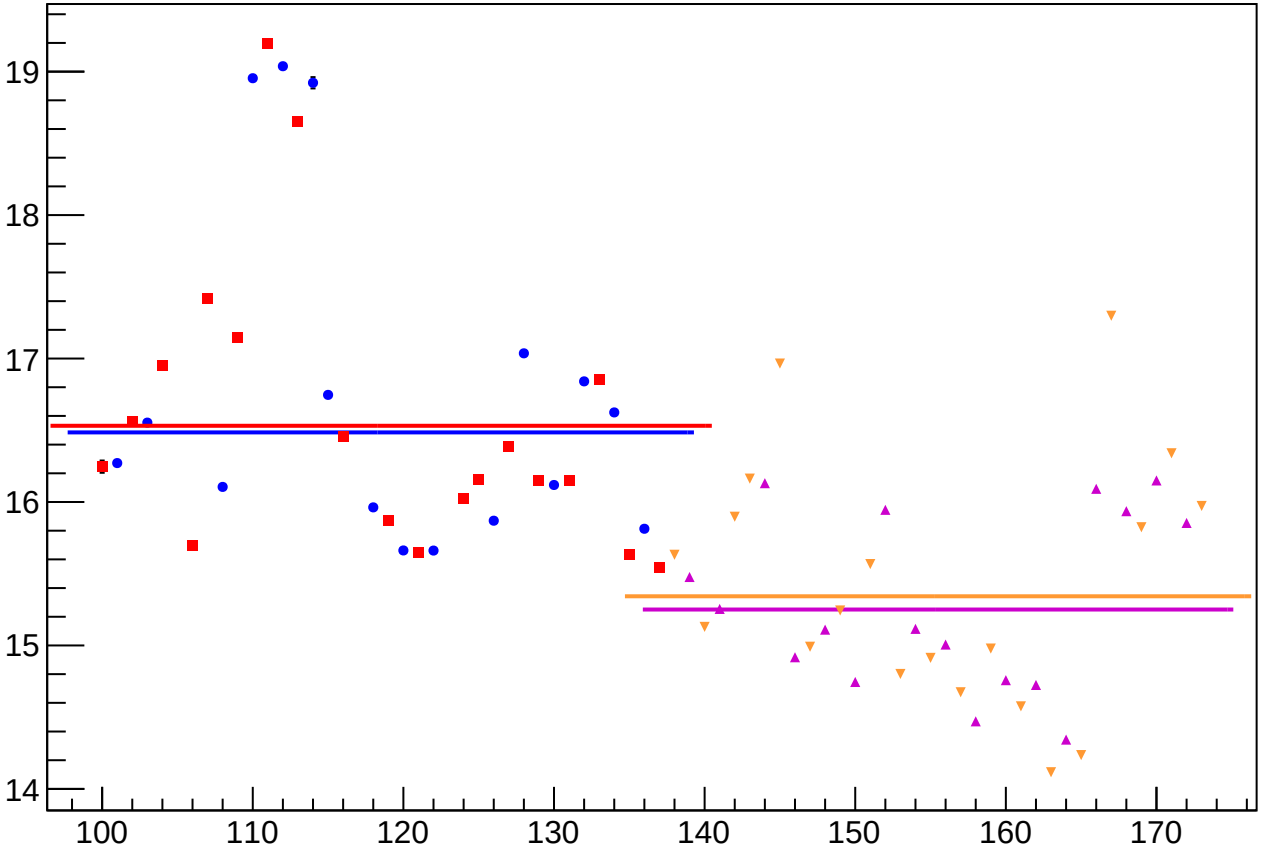
In: 21.697+/-0.003 χ^2/NDF:35443.8/32

Out: 21.734+/-0.003 χ^2/NDF:31758.2/37

All: 21.716+/-0.002 χ^2/NDF: 67263.3/70


asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
100
110
120
130
140
150
160
170
Right In: 4.404+/-6.137 χ²/NDF: 4.3/15
Left Out: -2.542+/-3.967 χ²/NDF:8.0/18
Right Out: 2.244+/-6.042 χ²/NDF: 15.4/18
Left In: -3.294+/-4.079 χ²/NDF:18.7/16
Left: -2.908+/-2.844 χ²/NDF: 26.7/35
Right: 3.307+/-4.306 χ²/NDF: 19.7/34
In: -0.935+/-3.397 χ²/NDF:24.1/32
Out: -1.100+/-3.316 χ²/NDF:23.8/37
All: -1.020+/-2.373 χ²/NDF: 47.9/70

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: 15.343+/-0.003 χ^2/NDF:85592.8/18

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.250+/-0.003 χ^2/NDF:40238.0/16

Left: 15.298+/-0.002 χ^2/NDF: 126357.0/35

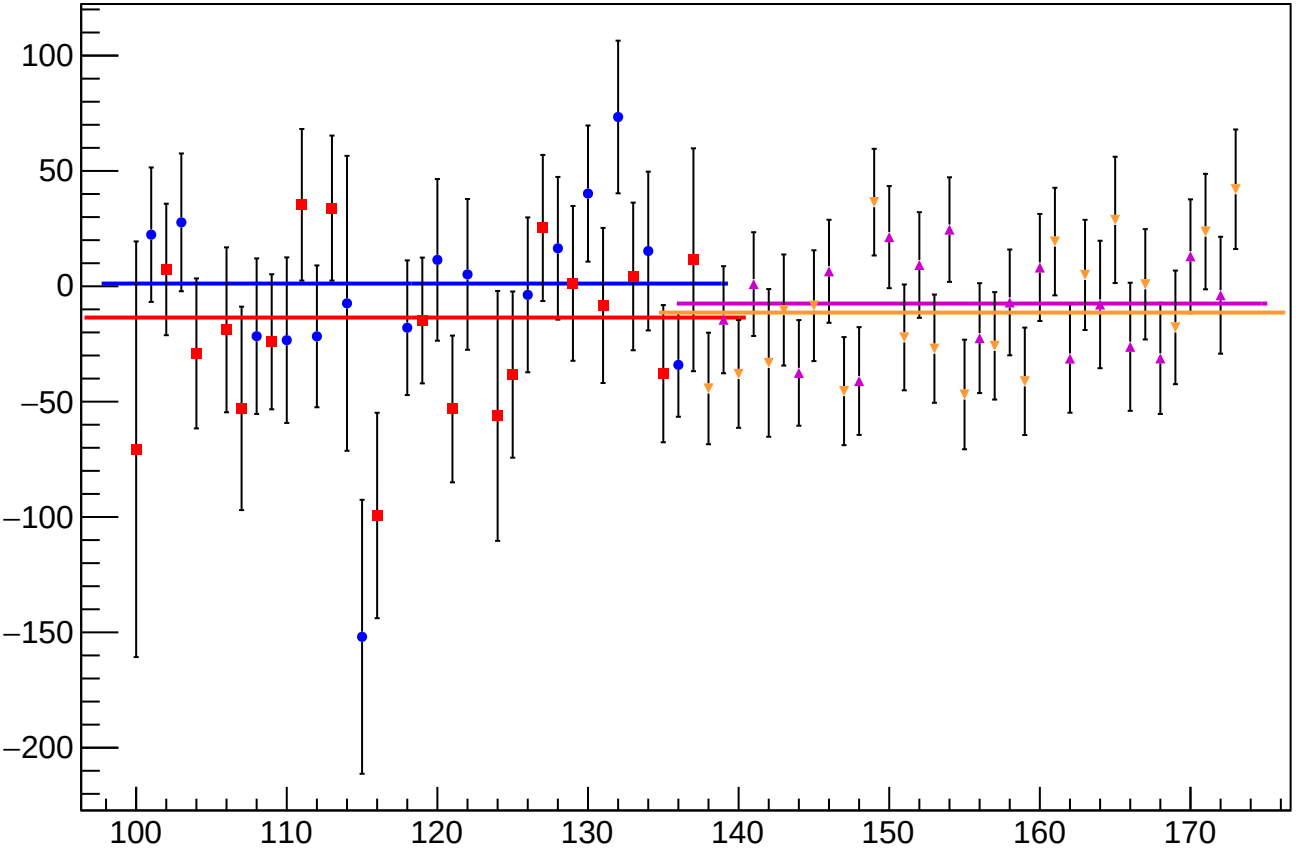
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 15.629+/-0.002 χ^2/NDF:143564.5/32

Out: 15.701+/-0.002 χ^2/NDF:186143.9/37

All: 15.666+/-0.002 χ^2/NDF: 330167.4/70

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: -11.384+/-5.567 χ^2/NDF:25.9/18

Right Out: -13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: -7.485+/-5.741 χ^2/NDF:12.7/16

Left: -9.494+/-3.997 χ^2/NDF: 38.8/35

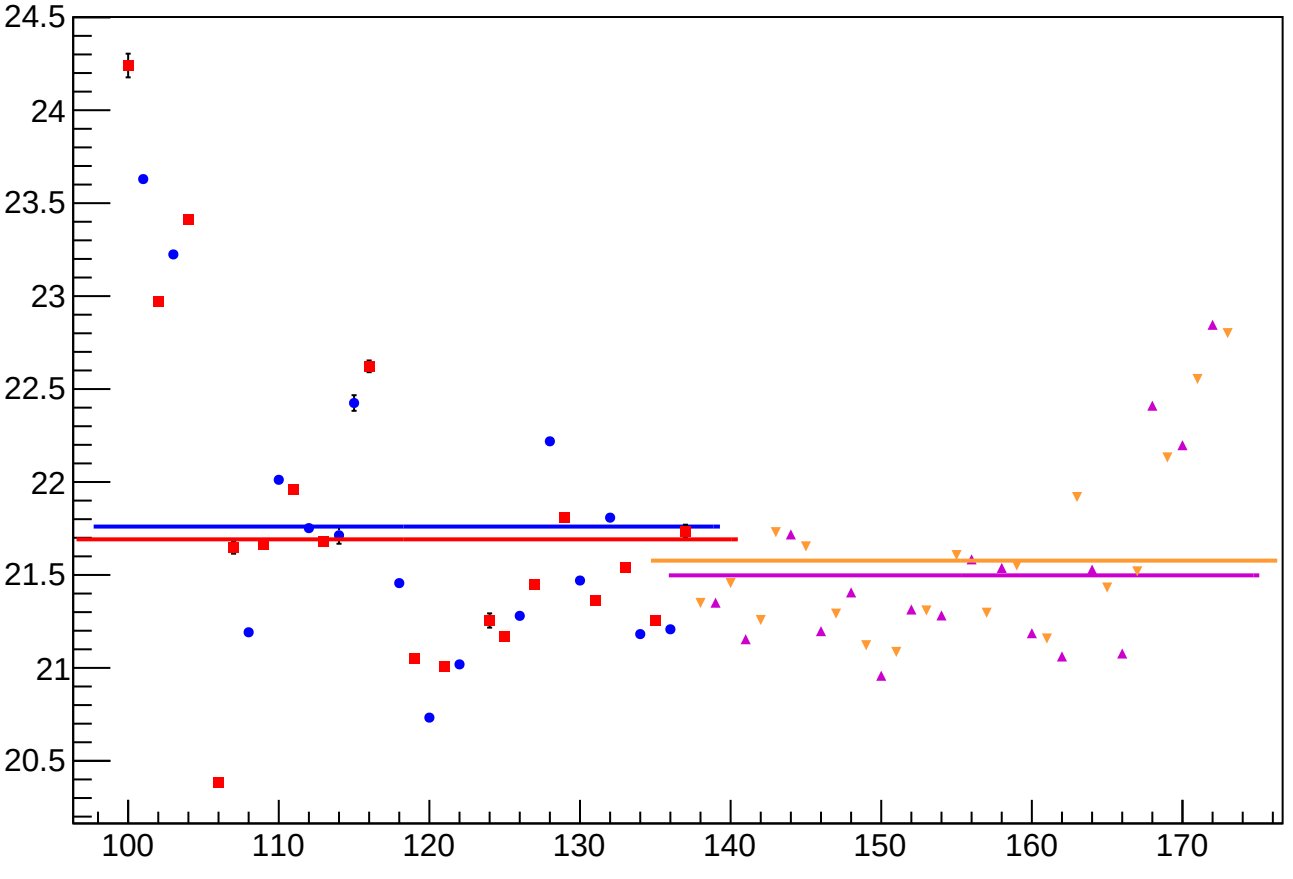
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -4.581+/-4.681 χ^2/NDF:32.8/32

Out: -12.100+/-4.554 χ^2/NDF:41.9/37

All: -8.444+/-3.264 χ^2/NDF: 76.0/70

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: 21.577+/-0.004 χ^2/NDF:12723.8/18

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.498+/-0.004 χ^2/NDF:14304.6/16

Left: 21.539+/-0.003 χ^2/NDF: 27224.9/35

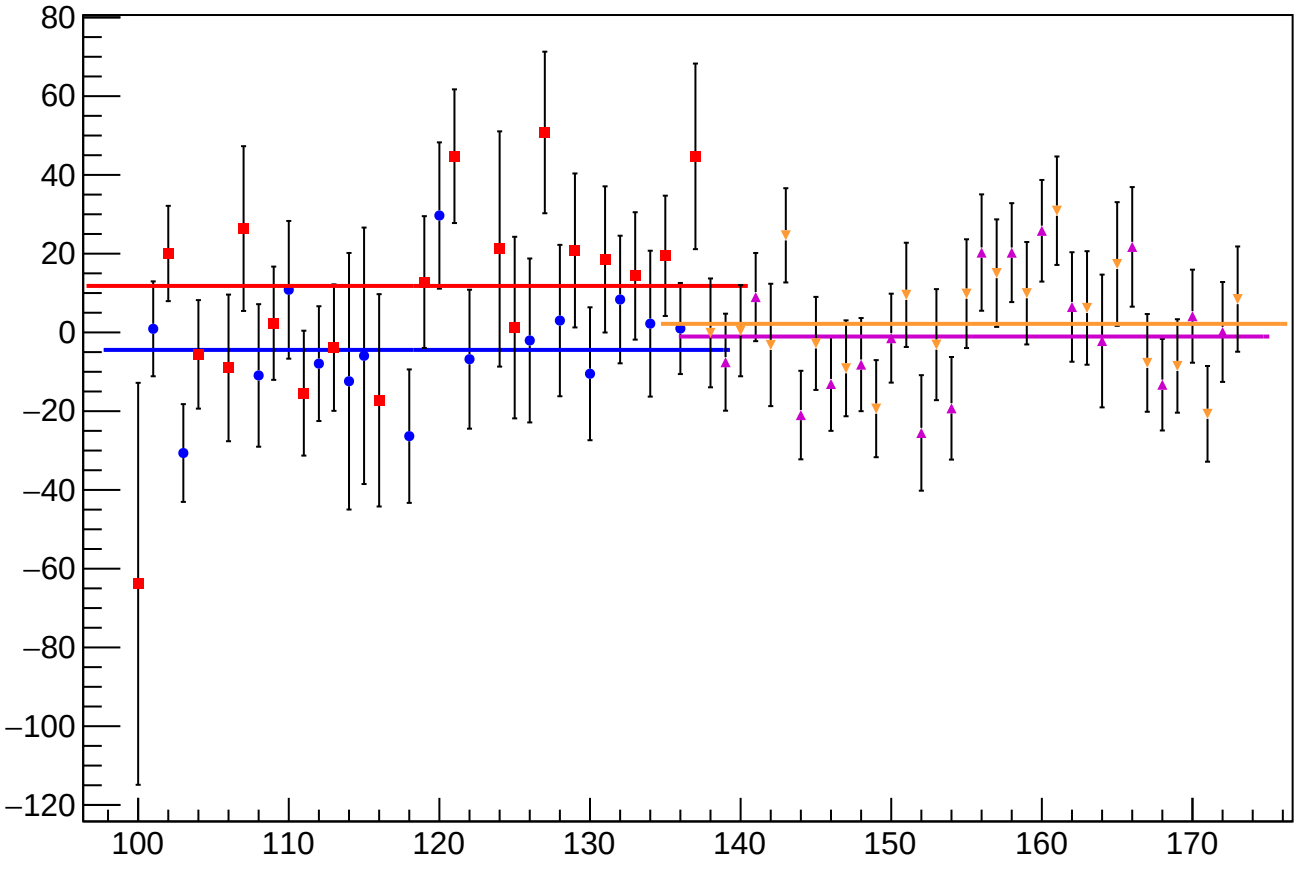
Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.586+/-0.003 χ^2/NDF:35450.8/32

Out: 21.615+/-0.003 χ^2/NDF:31334.4/37

All: 21.601+/-0.002 χ^2/NDF: 66825.3/70

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 2.176+/-2.993 χ^2/NDF:20.4/18

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -1.043+/-3.075 χ^2/NDF:23.5/16

Left: 0.610+/-2.144 χ^2/NDF: 44.4/35

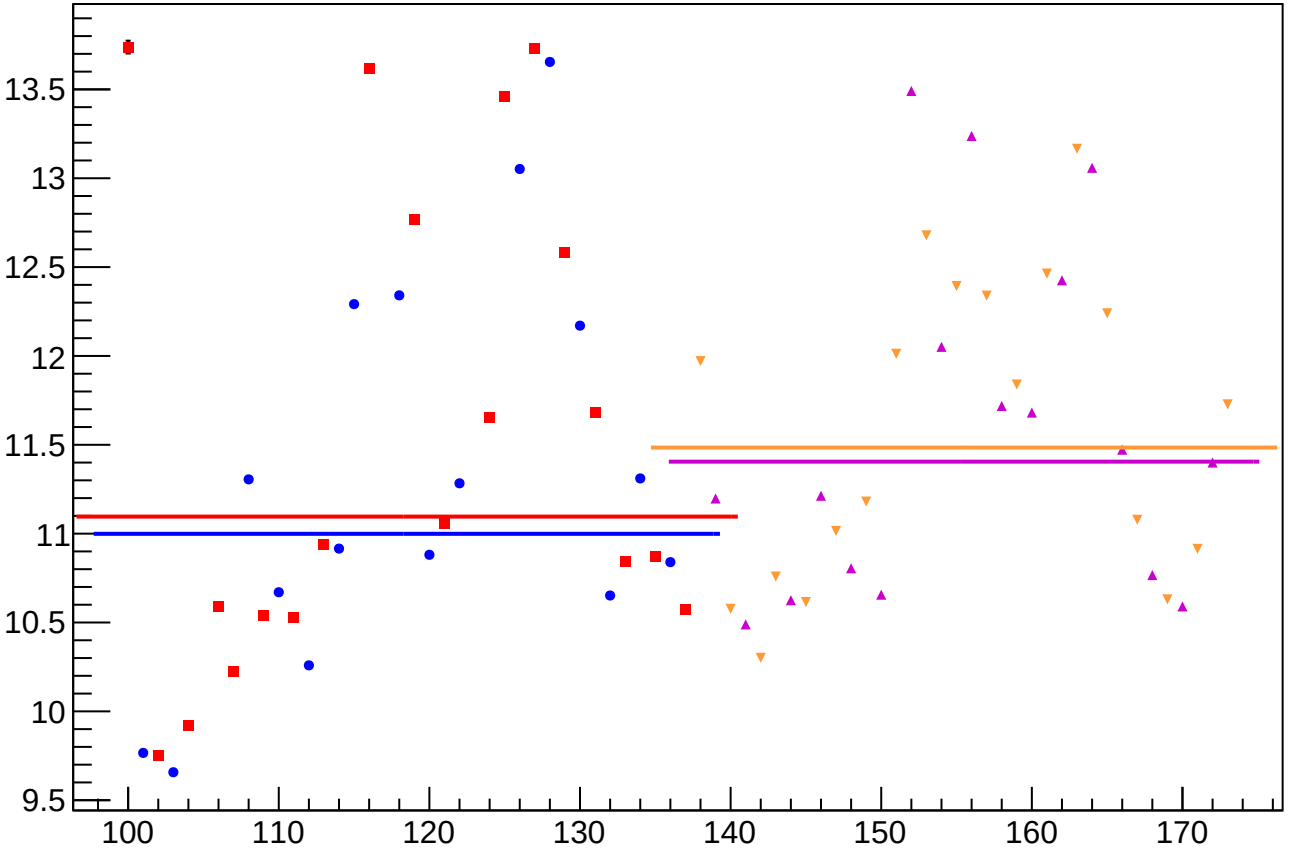
Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -2.254+/-2.466 χ^2/NDF:35.9/32

Out: 5.526+/-2.417 χ^2/NDF:45.7/37

All: 1.715+/-1.726 χ^2/NDF: 86.7/70

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.484+/-0.002 χ^2/NDF:143768.7/18

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.405+/-0.002 χ^2/NDF:161913.4/16

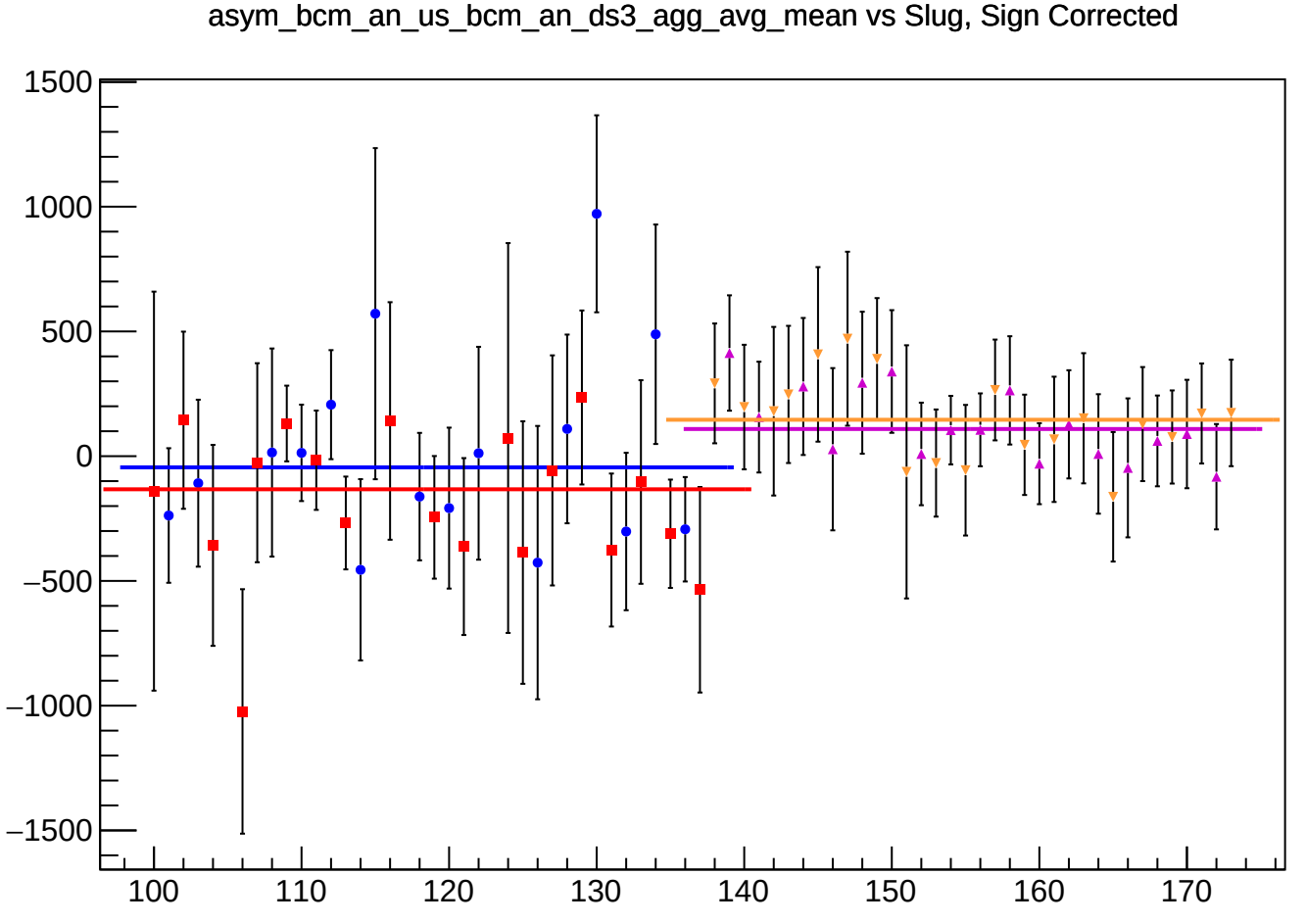
Left: 11.446+/-0.002 χ^2/NDF: 306363.9/35

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

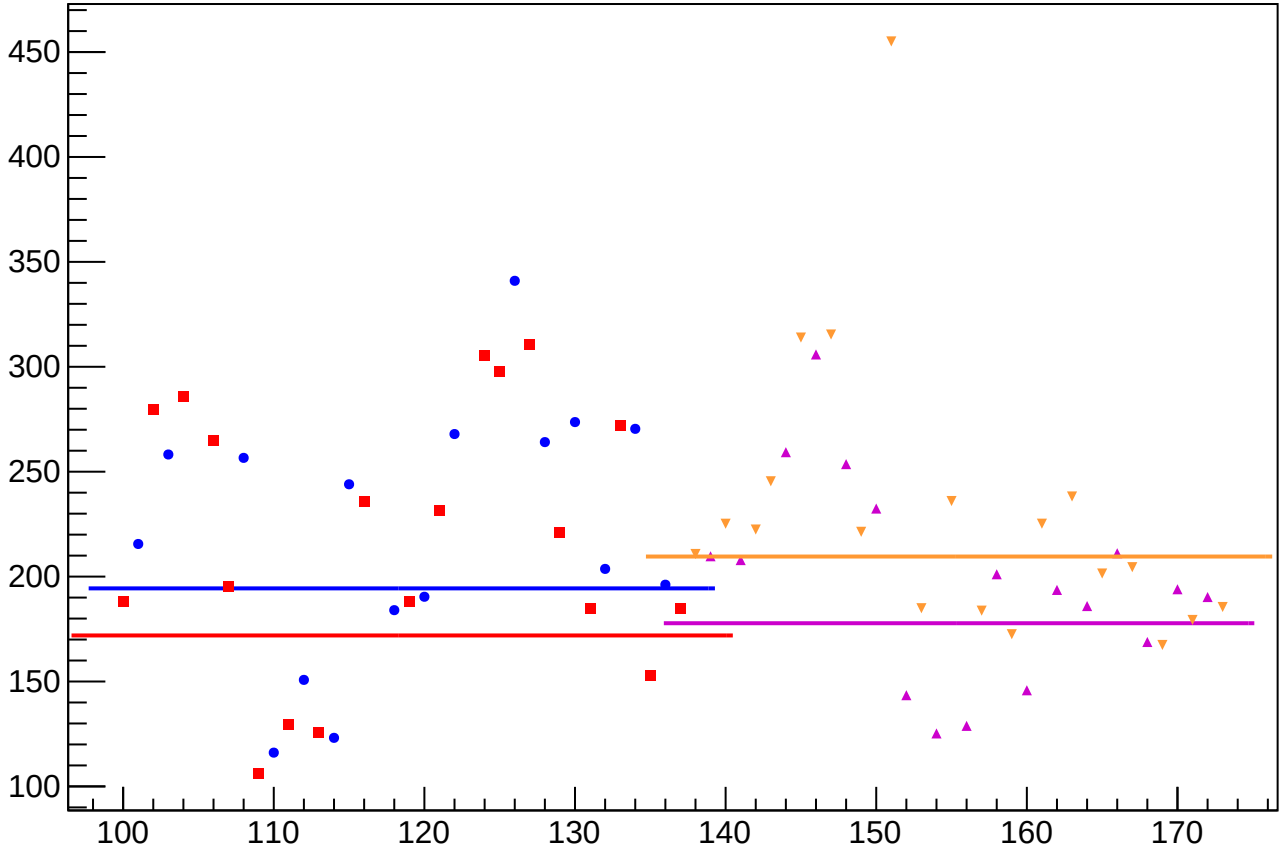
In: 11.260+/-0.002 χ^2/NDF:310513.8/32

Out: 11.349+/-0.002 χ^2/NDF:318399.4/37

All: 11.306+/-0.001 χ^2/NDF: 630238.3/70


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
Right In: -44.797+/-76.424 χ²/NDF: 15.4/15
Left Out: 145.948+/-56.069 χ²/NDF:6.7/18
Right Out: -132.730+/-68.270 χ²/NDF: 12.9/18
Left In: 108.904+/-50.081 χ²/NDF:6.4/16
Left: 125.343+/-37.351 χ²/NDF: 13.3/35
Right: -93.703+/-50.914 χ²/NDF: 29.0/34
In: 62.730+/-41.888 χ²/NDF:24.7/32
Out: 33.694+/-43.329 χ²/NDF:29.5/37
All: 48.703+/-30.116 χ²/NDF: 54.4/70

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: 209.564+/-0.040 χ^2/NDF:1234827.4/18

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 177.777+/-0.035 χ^2/NDF:1540049.1/16

Left: 191.883+/-0.026 χ^2/NDF: 3132436.2/35

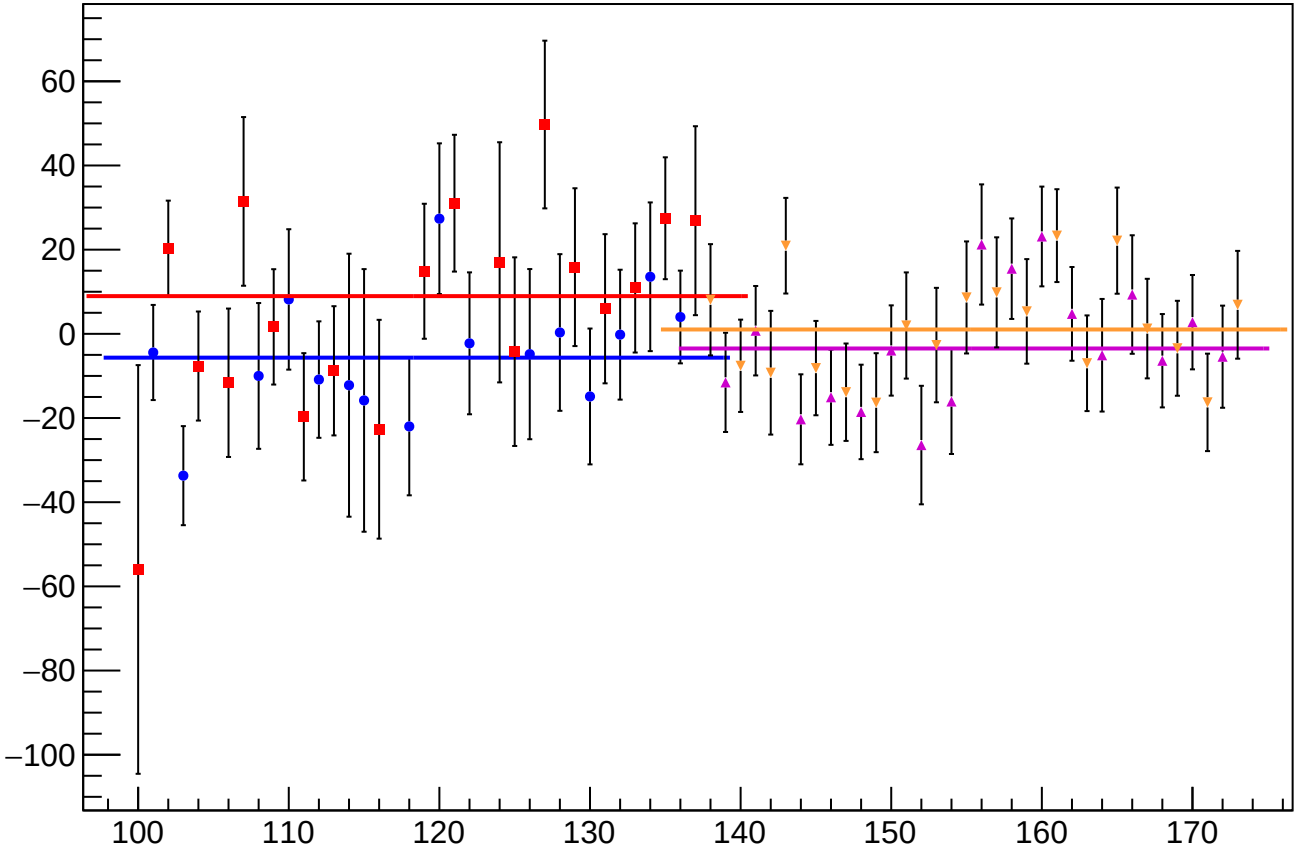
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 182.767+/-0.030 χ^2/NDF:2648148.3/32

Out: 194.413+/-0.031 χ^2/NDF:3248768.7/37

All: 188.393+/-0.021 χ^2/NDF: 5971602.9/70

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 1.037+/-2.778 χ^2/NDF:20.0/18

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -3.481+/-2.871 χ^2/NDF:22.0/16

Left: -1.148+/-1.996 χ^2/NDF: 43.2/35

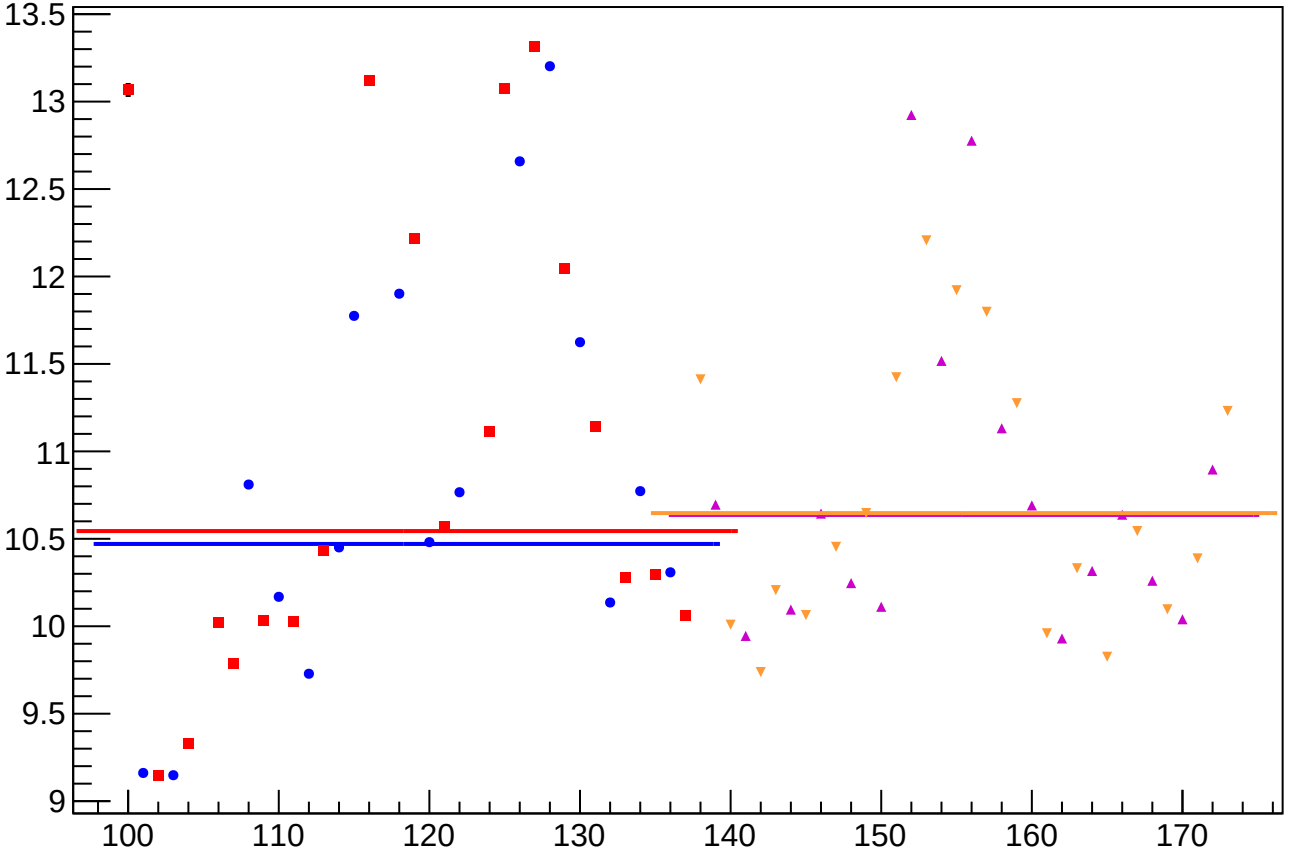
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -4.236+/-2.320 χ^2/NDF:35.9/32

Out: 3.703+/-2.263 χ^2/NDF:45.5/37

All: -0.168+/-1.620 χ^2/NDF: 87.3/70

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: 10.647+/-0.002 χ^2/NDF:130794.7/18

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.636+/-0.002 χ^2/NDF:150070.9/16

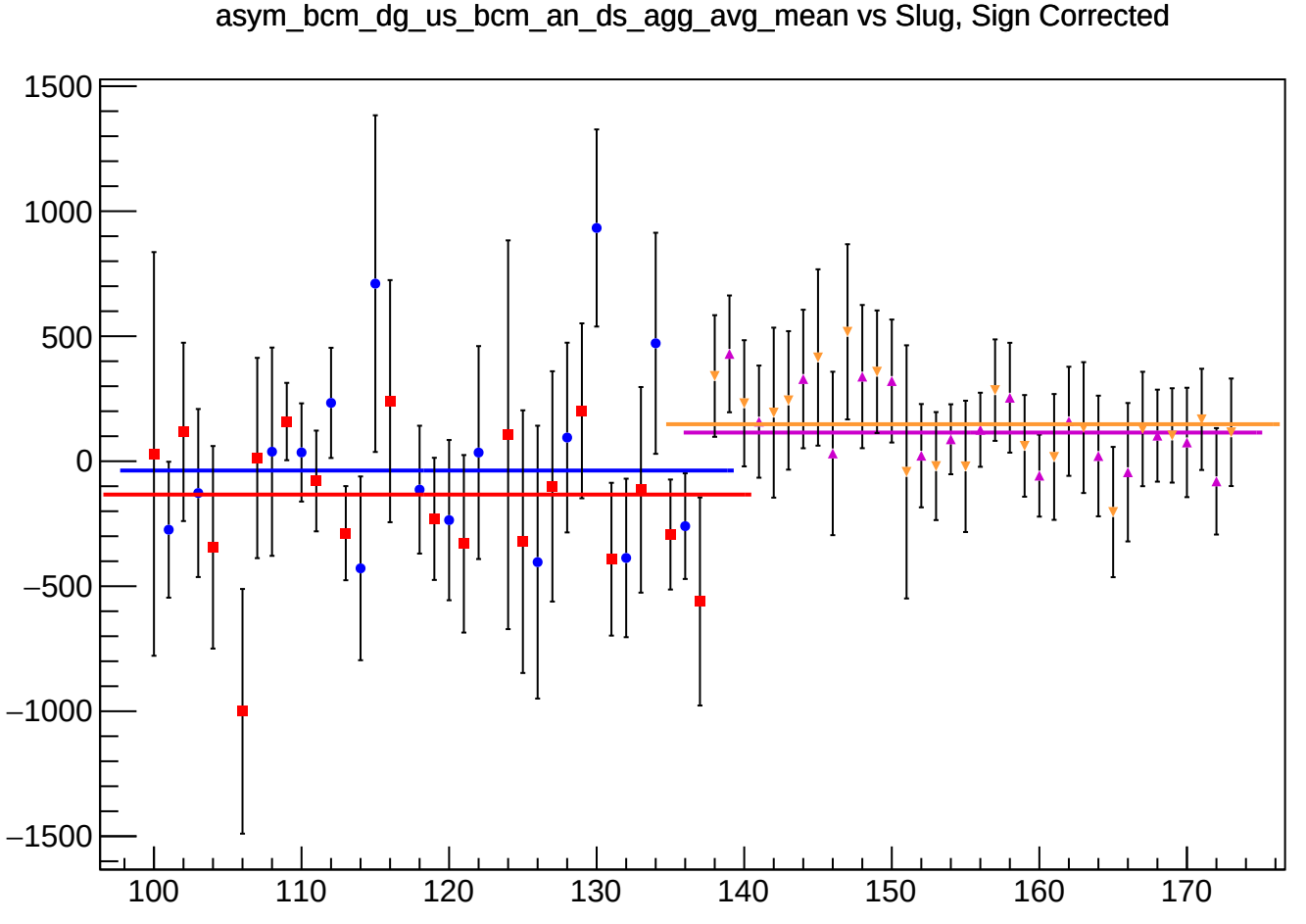
Left: 10.642+/-0.001 χ^2/NDF: 280879.8/35

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.579+/-0.002 χ^2/NDF:309750.6/32

Out: 10.612+/-0.002 χ^2/NDF:318494.2/37

All: 10.596+/-0.001 χ^2/NDF: 628459.8/70



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 148.063+/-56.454 χ^2/NDF:7.3/18

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 114.666+/-50.569 χ^2/NDF:7.0/16

Left: 129.534+/-37.667 χ^2/NDF: 14.4/35

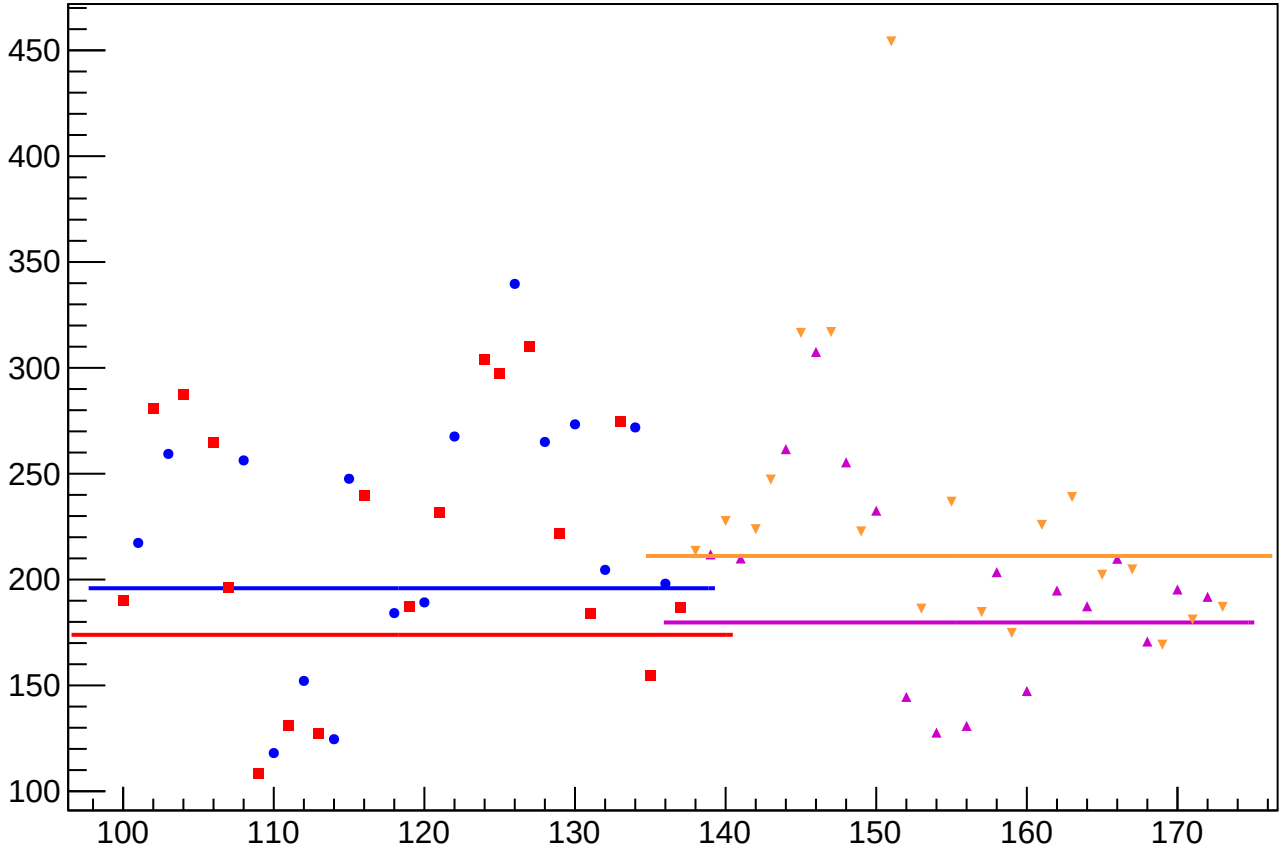
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 68.820+/-42.254 χ^2/NDF:25.3/32

Out: 34.981+/-43.664 χ^2/NDF:30.2/37

All: 52.456+/-30.364 χ^2/NDF: 55.8/70

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: 211.145+/-0.040 χ^2/NDF:1216525.3/18

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 179.733+/-0.036 χ^2/NDF:1496361.7/16

Left: 193.716+/-0.027 χ^2/NDF: 3056434.5/35

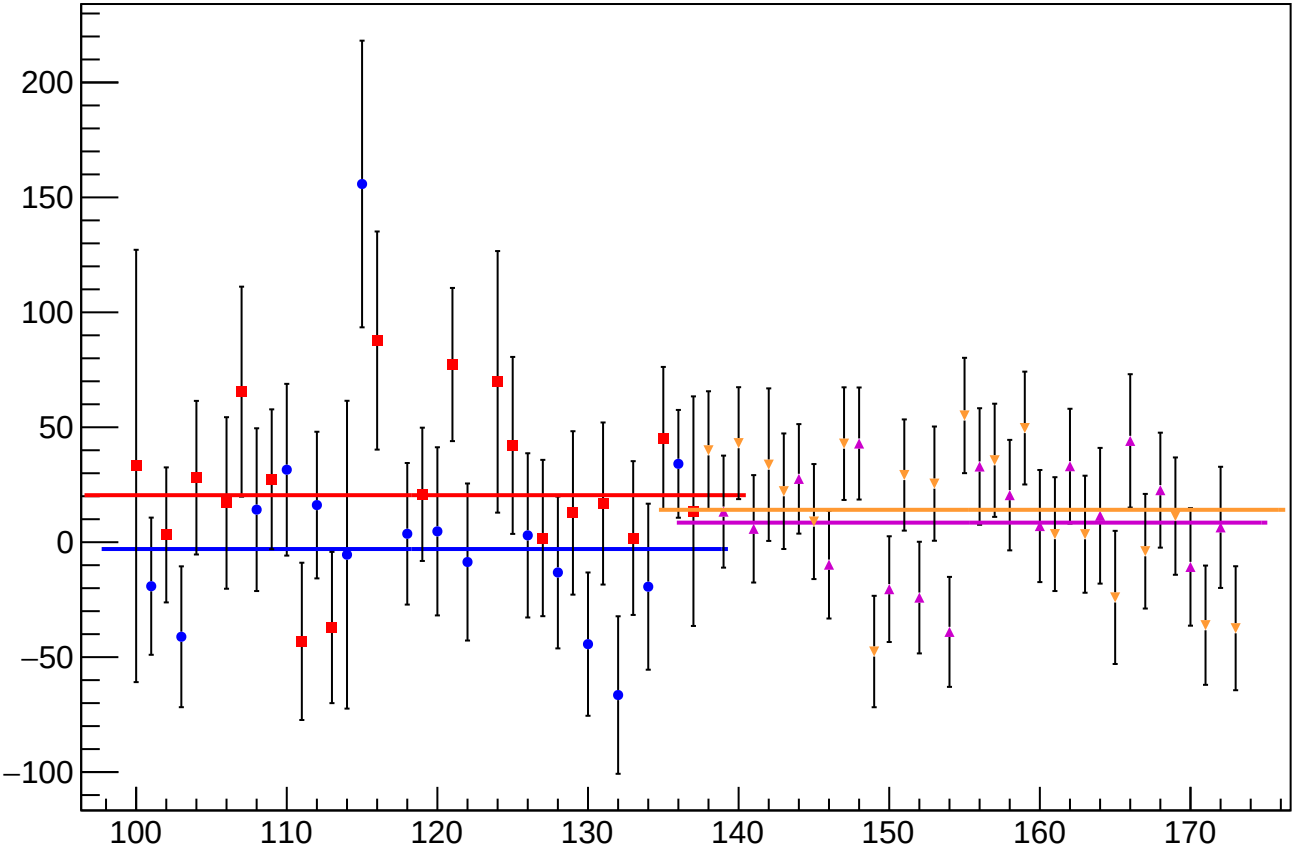
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 184.612+/-0.030 χ^2/NDF:2569069.1/32

Out: 196.181+/-0.031 χ^2/NDF:3165856.4/37

All: 190.207+/-0.021 χ^2/NDF: 5807429.6/70

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: 14.092+/-5.846 χ^2/NDF:26.9/18

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 8.508+/-6.020 χ^2/NDF:15.2/16

Left: 11.382+/-4.194 χ^2/NDF: 42.6/35

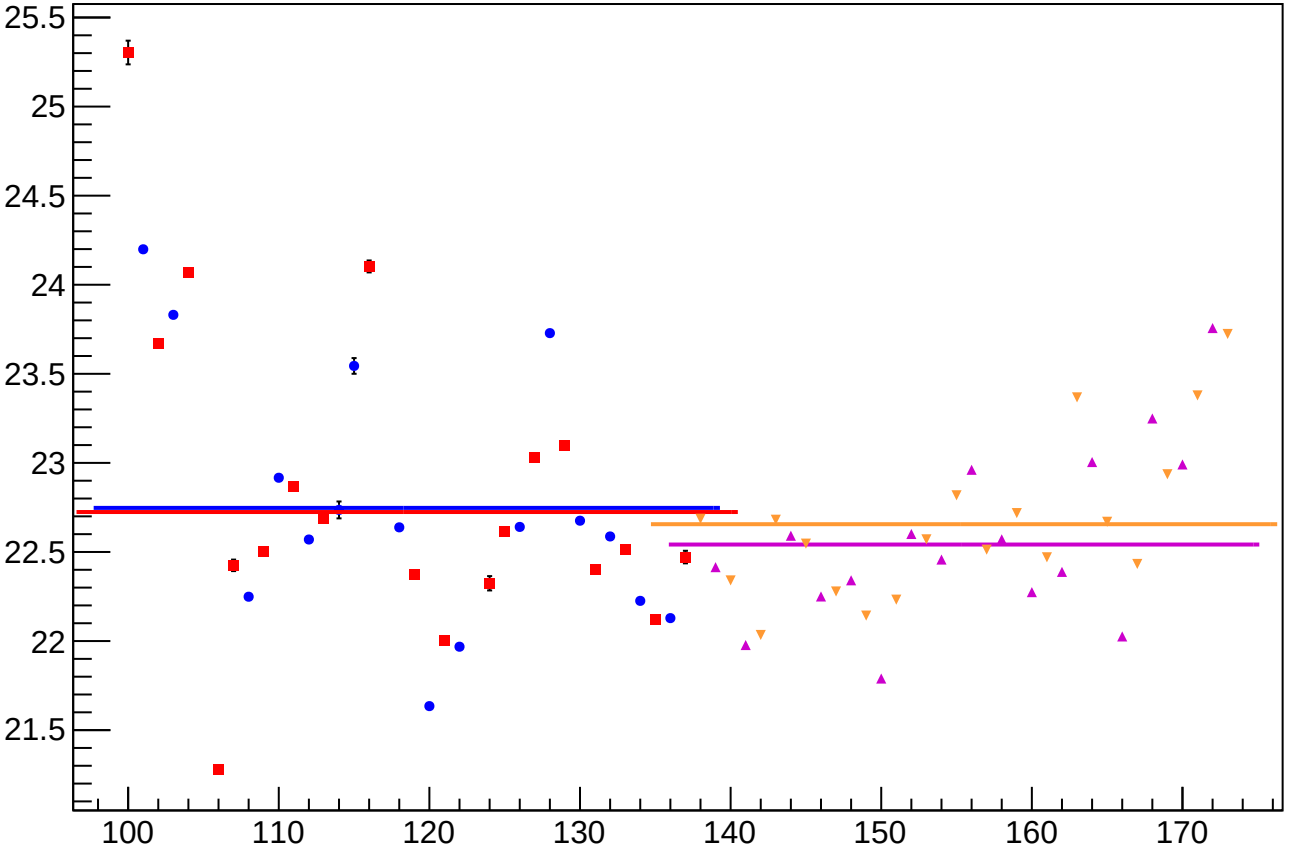
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 4.647+/-4.904 χ^2/NDF:34.3/32

Out: 16.206+/-4.778 χ^2/NDF:42.6/37

All: 10.576+/-3.422 χ^2/NDF: 79.8/70

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: 22.656+/-0.004 χ^2/NDF:10019.2/18

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.542+/-0.004 χ^2/NDF:12311.8/16

Left: 22.601+/-0.003 χ^2/NDF: 22701.1/35

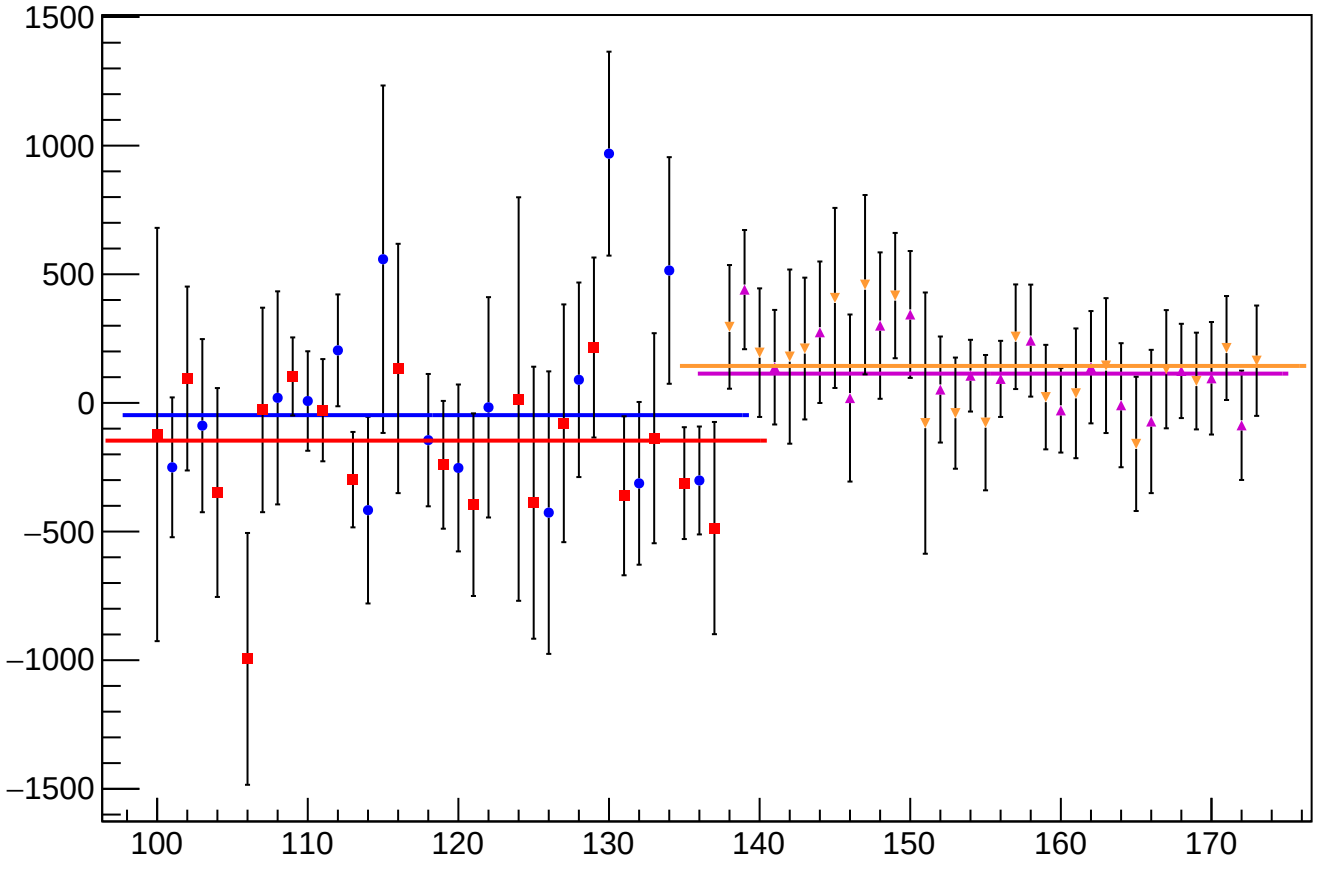
Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.611+/-0.003 χ^2/NDF:27720.3/32

Out: 22.679+/-0.003 χ^2/NDF:24600.5/37

All: 22.646+/-0.002 χ^2/NDF: 52516.0/70

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 143.713+/-56.334 χ^2/NDF:7.2/18

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 113.826+/-50.427 χ^2/NDF:6.6/16

Left: 127.121+/-37.573 χ^2/NDF: 13.9/35

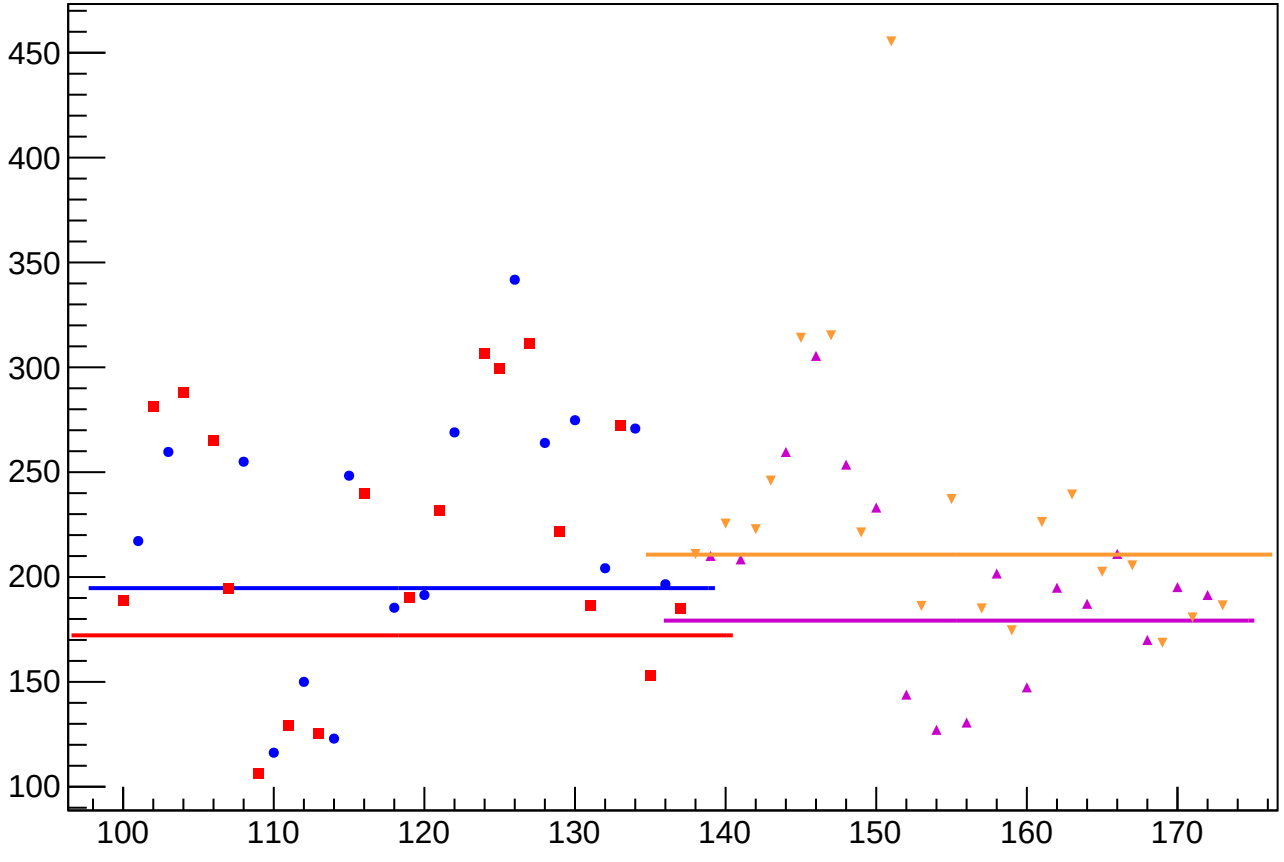
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 65.017+/-42.115 χ^2/NDF:25.1/32

Out: 26.386+/-43.484 χ^2/NDF:29.5/37

All: 46.319+/-30.252 χ^2/NDF: 55.0/70

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: 210.690+/-0.040 χ^2/NDF:1210286.8/18

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 179.222+/-0.036 χ^2/NDF:1486651.8/16

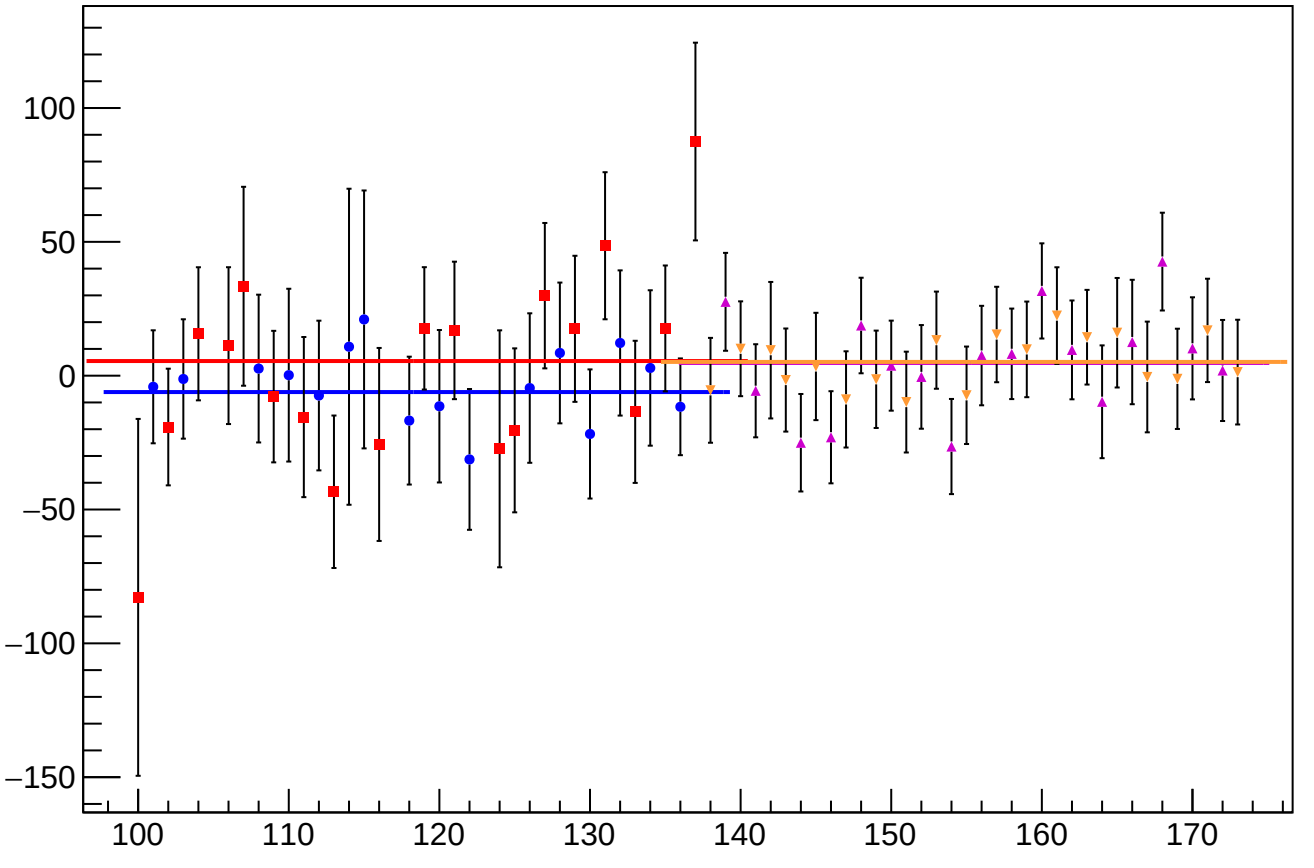
Left: 193.220+/-0.027 χ^2/NDF: 3043405.3/35

Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 183.906+/-0.030 χ^2/NDF:2596000.2/32

Out: 195.128+/-0.031 χ^2/NDF:3258996.1/37

All: 189.338+/-0.021 χ^2/NDF: 5923719.1/70



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.143+/-4.347 χ^2/NDF:5.0/18

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: 4.750+/-4.457 χ^2/NDF:18.4/16

Left: 4.951+/-3.112 χ^2/NDF: 23.4/35

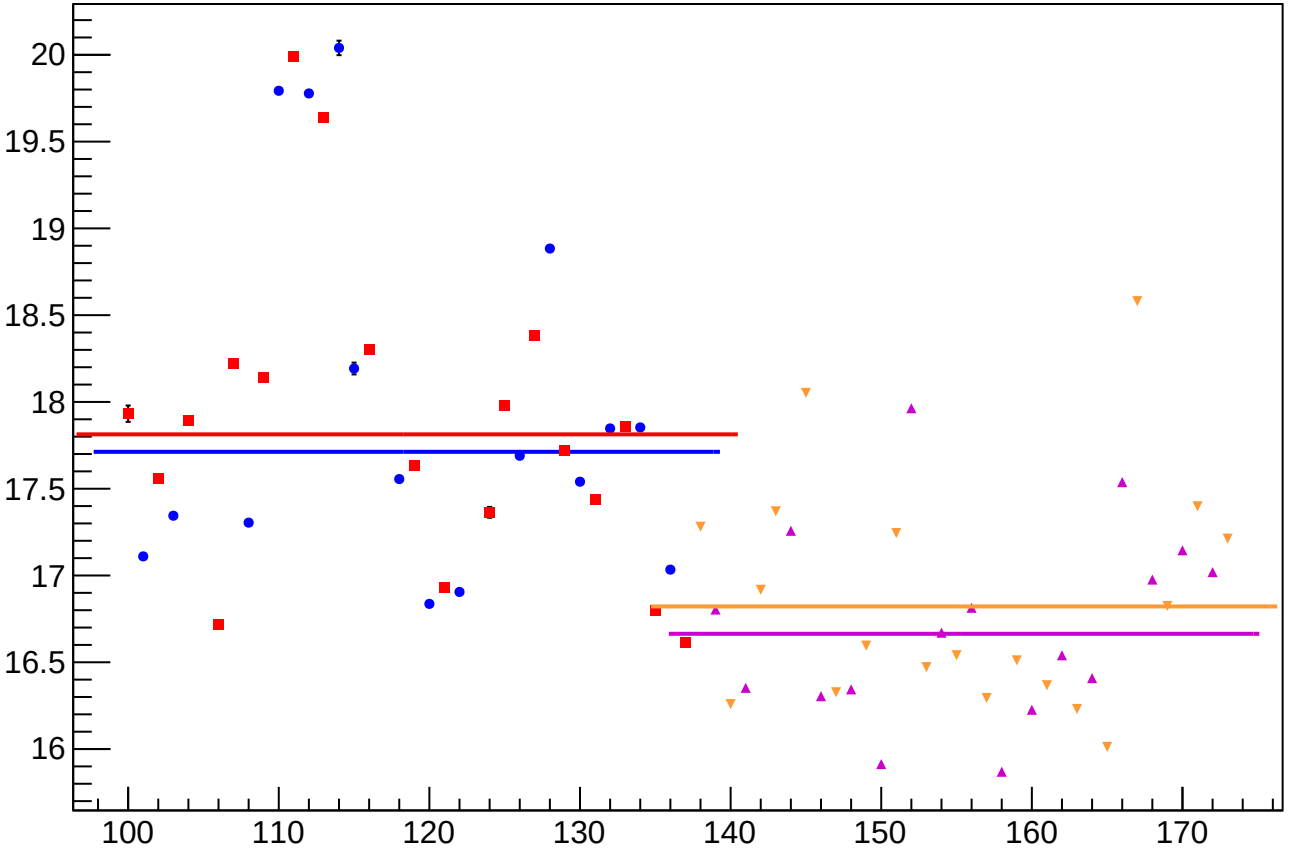
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: 1.340+/-3.692 χ^2/NDF:23.4/32

Out: 5.244+/-3.615 χ^2/NDF:24.2/37

All: 3.333+/-2.583 χ^2/NDF: 48.2/70

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: 16.822+/-0.003 χ^2/NDF:42374.7/18

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.664+/-0.003 χ^2/NDF:28926.5/16

Left: 16.745+/-0.002 χ^2/NDF: 72581.5/35

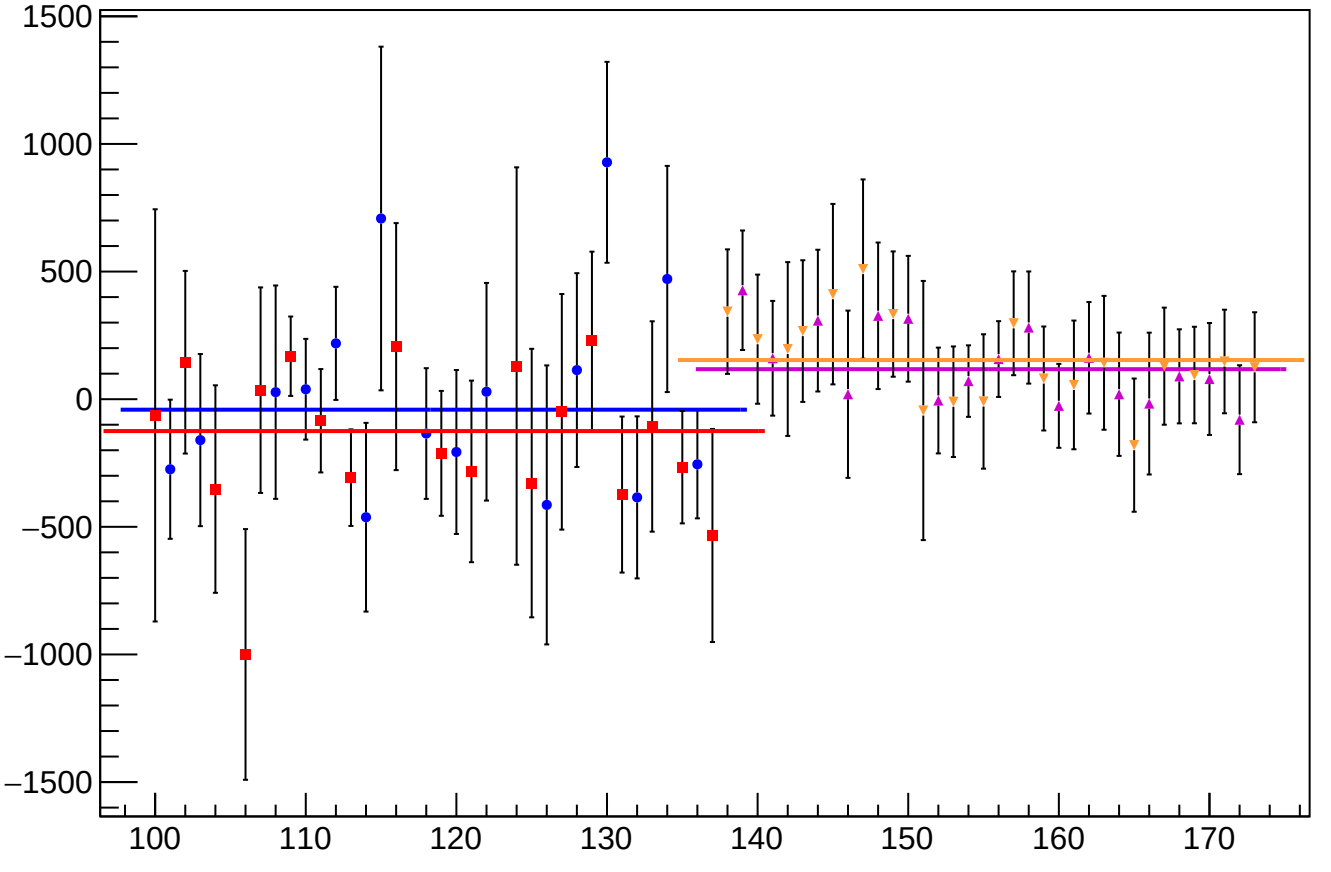
Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 16.993+/-0.003 χ^2/NDF:99635.3/32

Out: 17.127+/-0.003 χ^2/NDF:107192.2/37

All: 17.062+/-0.002 χ^2/NDF: 208181.7/70

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: 153.311+/-56.576 χ^2/NDF:6.6/18

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 117.586+/-50.667 χ^2/NDF:6.7/16

Left: 133.486+/-37.744 χ^2/NDF: 13.6/35

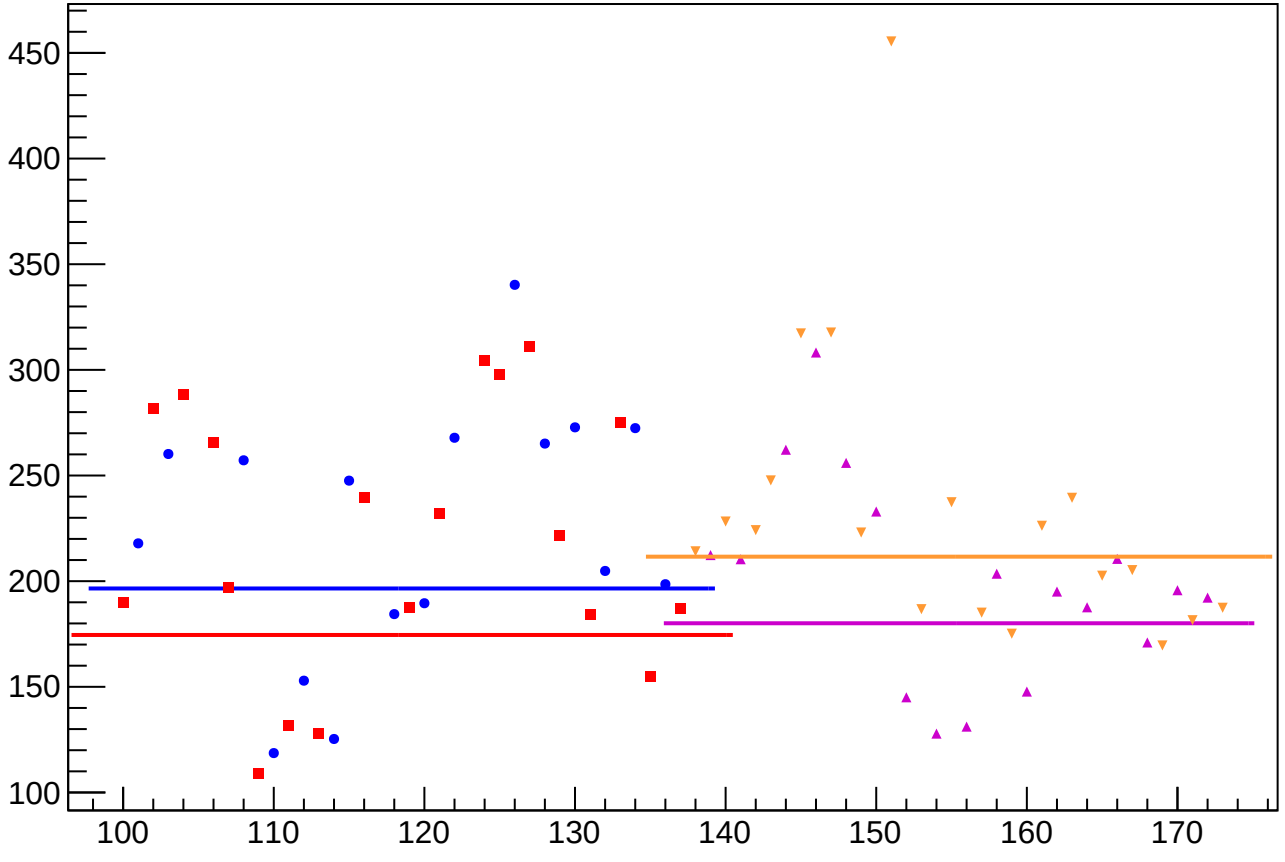
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 69.754+/-42.349 χ^2/NDF:25.3/32

Out: 41.685+/-43.777 χ^2/NDF:29.2/37

All: 56.185+/-30.438 χ^2/NDF: 54.7/70

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: 211.597+/-0.040 χ^2/NDF:1216948.8/18

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 180.081+/-0.036 χ^2/NDF:1496387.2/16

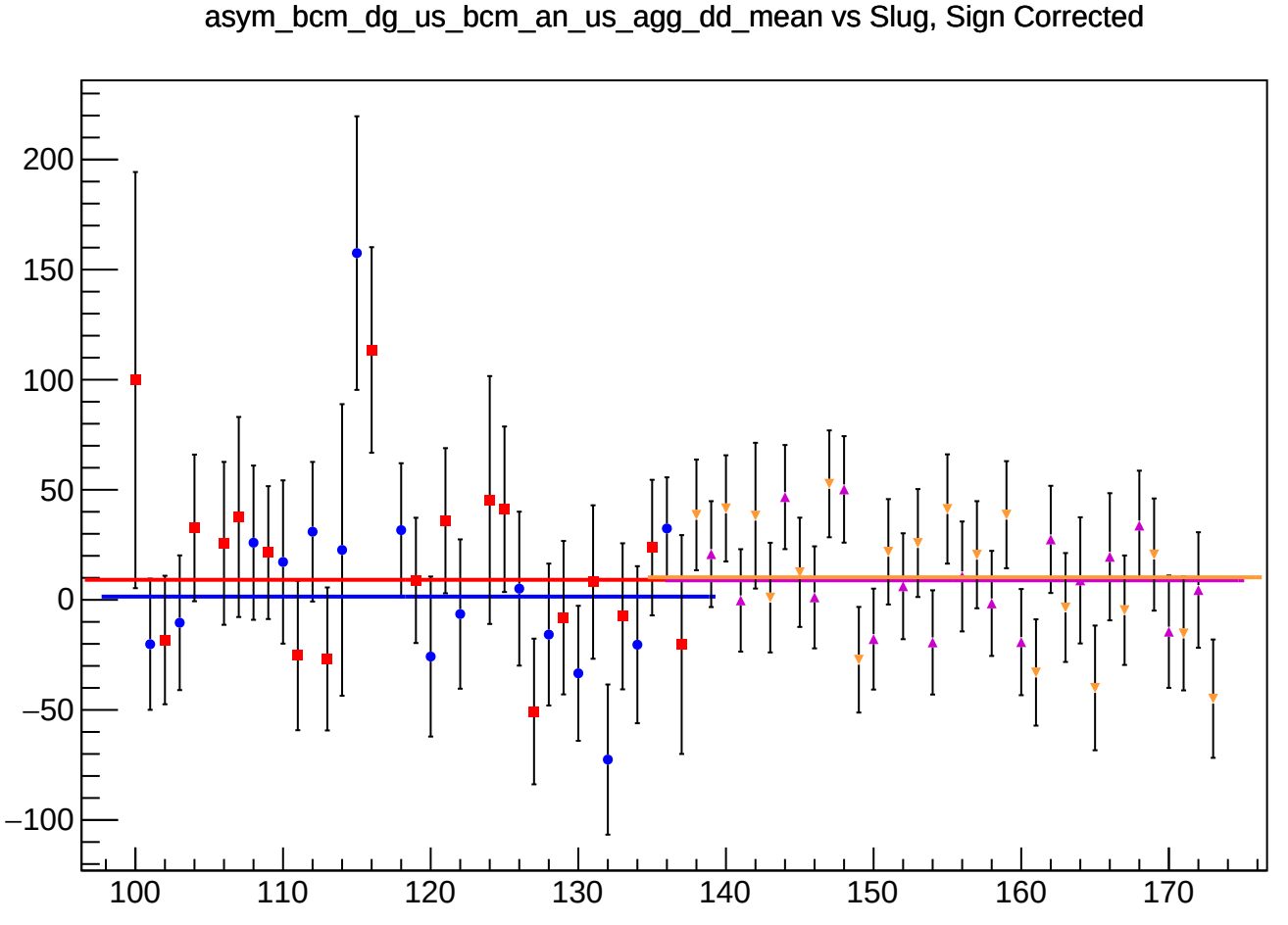
Left: 194.108+/-0.027 χ^2/NDF: 3057732.2/35

Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 185.042+/-0.030 χ^2/NDF:2560782.8/32

Out: 196.727+/-0.031 χ^2/NDF:3149975.4/37

All: 190.691+/-0.022 χ^2/NDF: 5784362.4/70



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 10.245+/-5.780 χ^2/NDF:25.4/18

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 8.868+/-5.962 χ^2/NDF:12.9/16

Left: 9.577+/-4.150 χ^2/NDF: 38.4/35

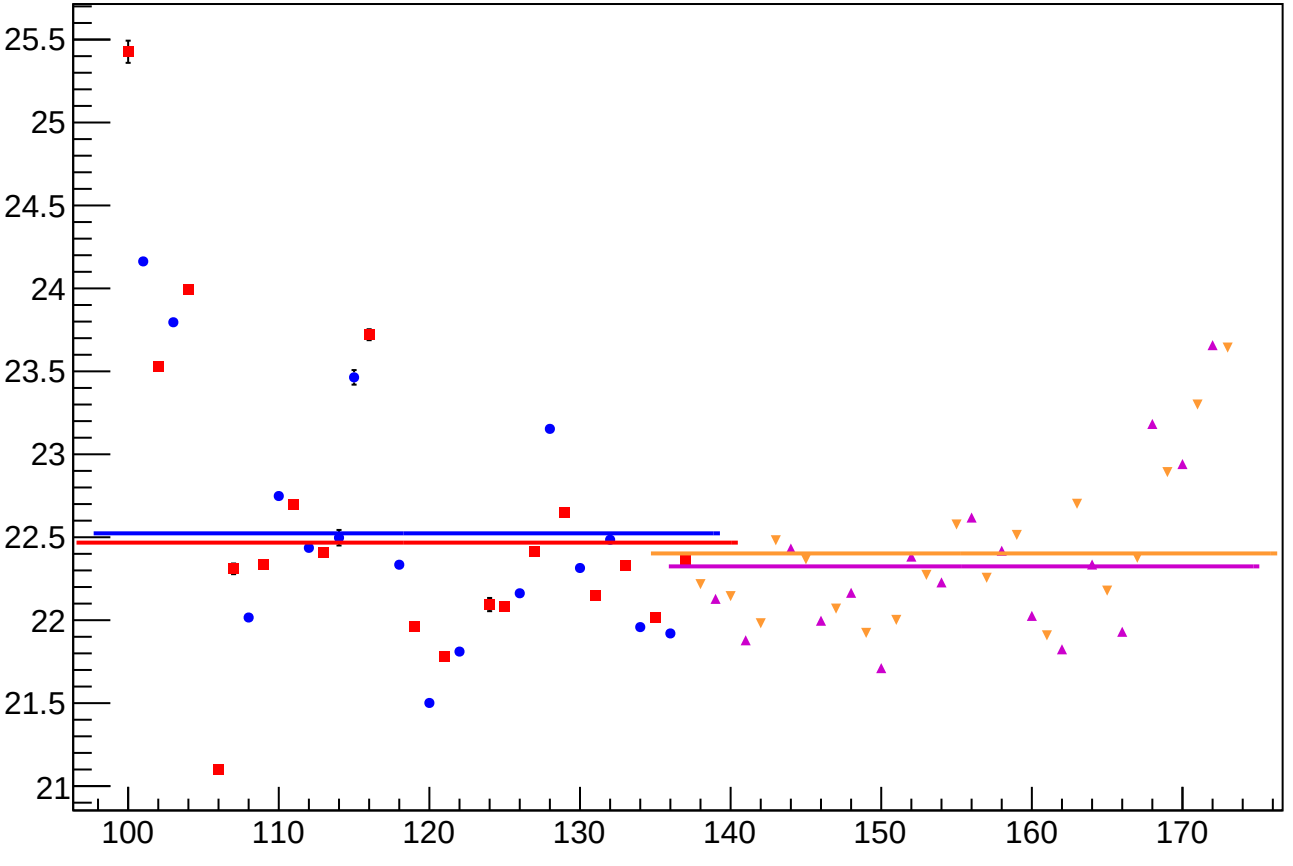
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 6.380+/-4.856 χ^2/NDF:32.1/32

Out: 9.869+/-4.724 χ^2/NDF:41.9/37

All: 8.172+/-3.386 χ^2/NDF: 74.3/70

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: 22.402+/-0.004 χ^2/NDF:11357.7/18

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.324+/-0.004 χ^2/NDF:13409.0/16

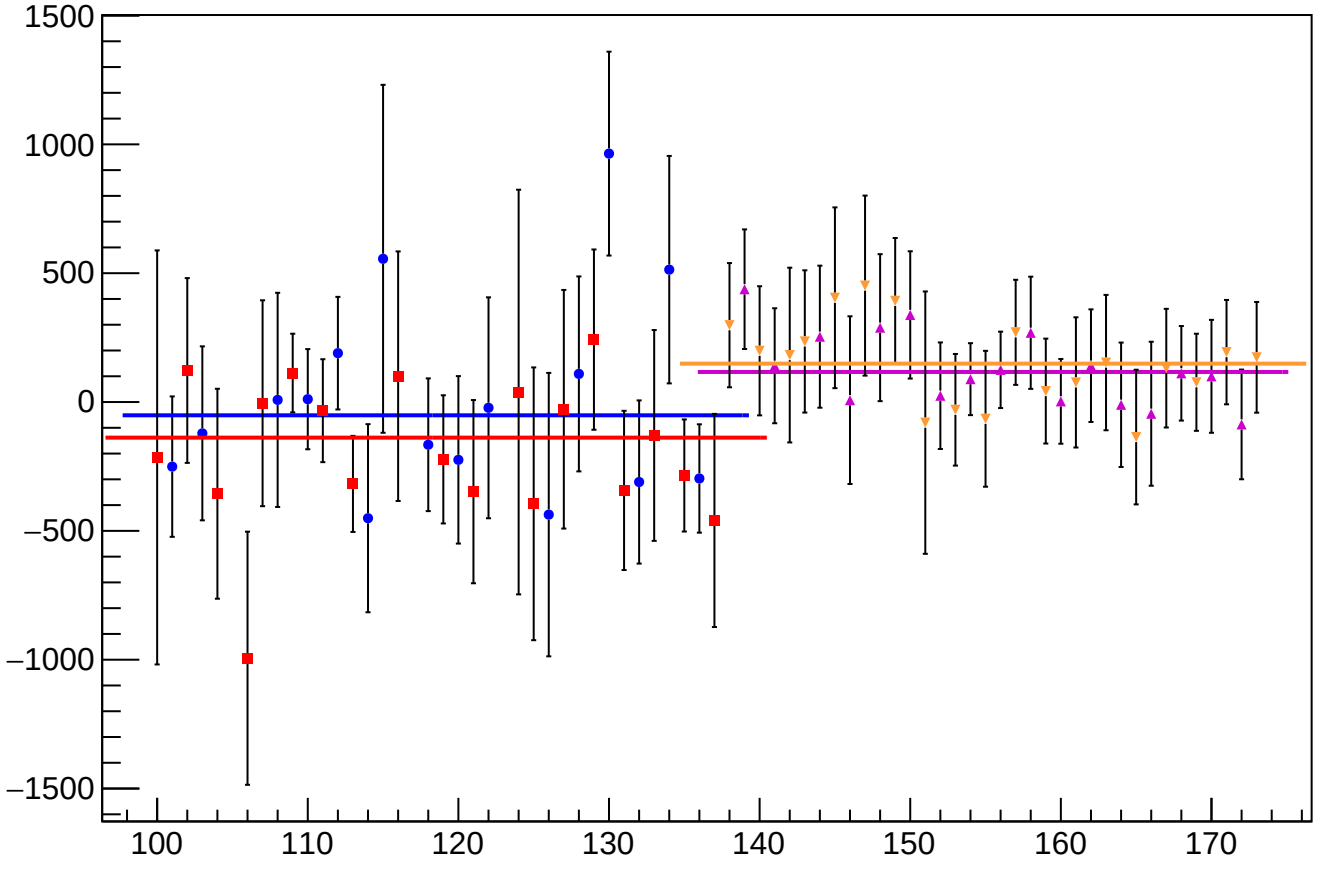
Left: 22.365+/-0.003 χ^2/NDF: 24943.4/35

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.391+/-0.003 χ^2/NDF:30108.3/32

Out: 22.424+/-0.003 χ^2/NDF:27068.5/37

All: 22.408+/-0.002 χ^2/NDF: 57223.3/70



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 149.035+/-56.456 χ^2/NDF:6.5/18

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 116.650+/-50.525 χ^2/NDF:6.2/16

Left: 131.052+/-37.649 χ^2/NDF: 12.9/35

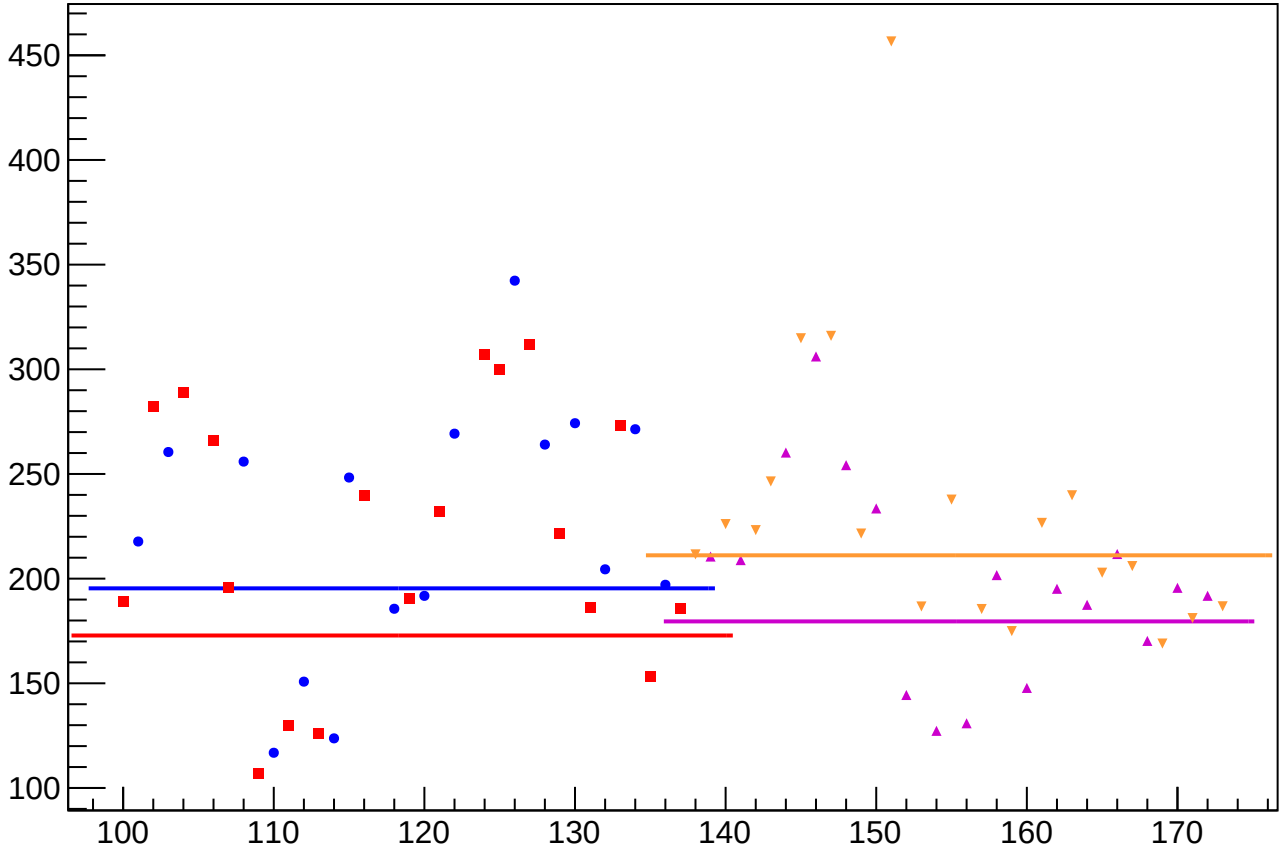
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 65.858+/-42.209 χ^2/NDF:24.9/32

Out: 33.106+/-43.598 χ^2/NDF:28.5/37

All: 50.012+/-30.326 χ^2/NDF: 53.7/70

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: 211.142+/-0.040 χ^2/NDF:1210699.9/18

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 179.568+/-0.036 χ^2/NDF:1486804.9/16

Left: 193.610+/-0.027 χ^2/NDF: 3044861.8/35

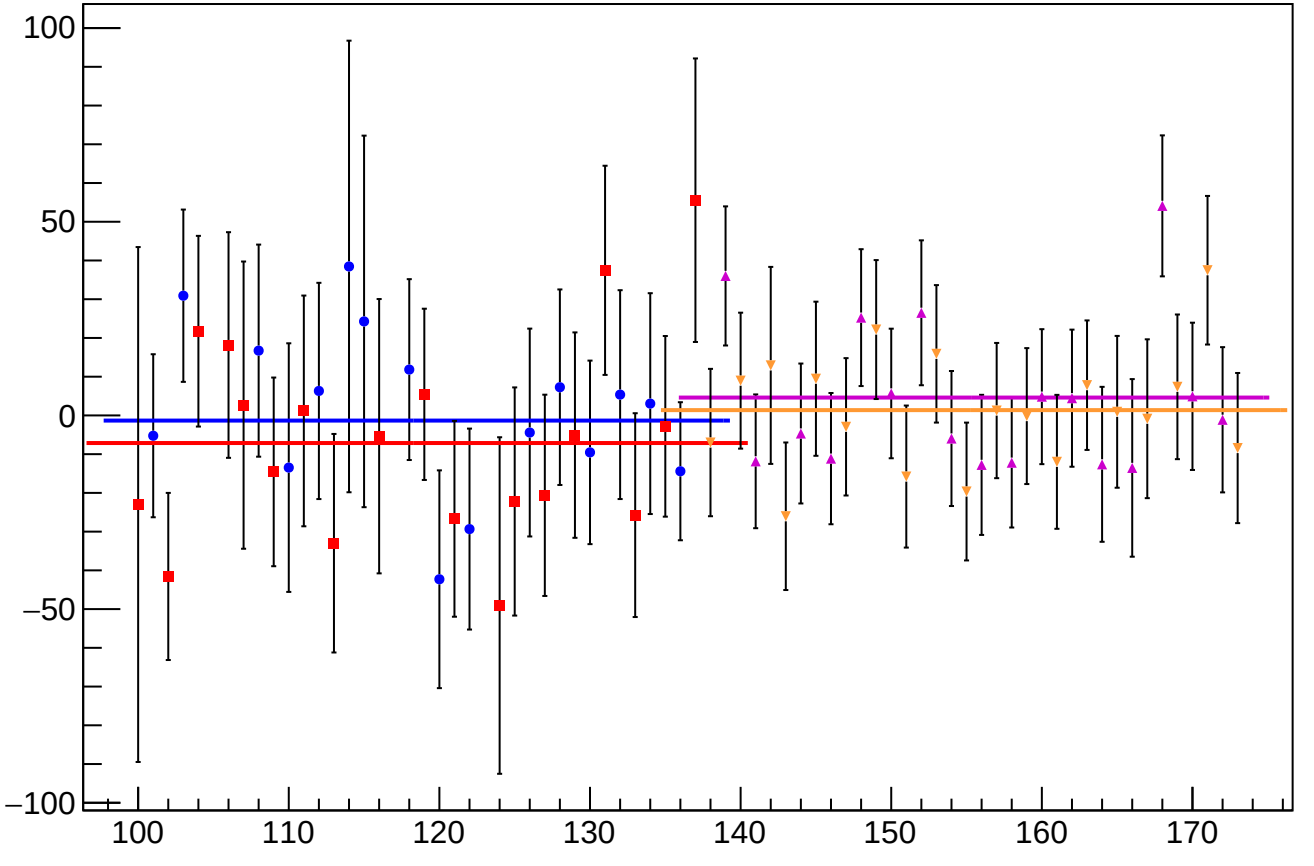
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 184.339+/-0.030 χ^2/NDF:2587264.2/32

Out: 195.681+/-0.031 χ^2/NDF:3241757.2/37

All: 189.827+/-0.021 χ^2/NDF: 5898894.2/70

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 1.367+/-4.259 χ^2/NDF:11.8/18

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 4.610+/-4.382 χ^2/NDF:19.0/16

Left: 2.943+/-3.054 χ^2/NDF: 31.1/35

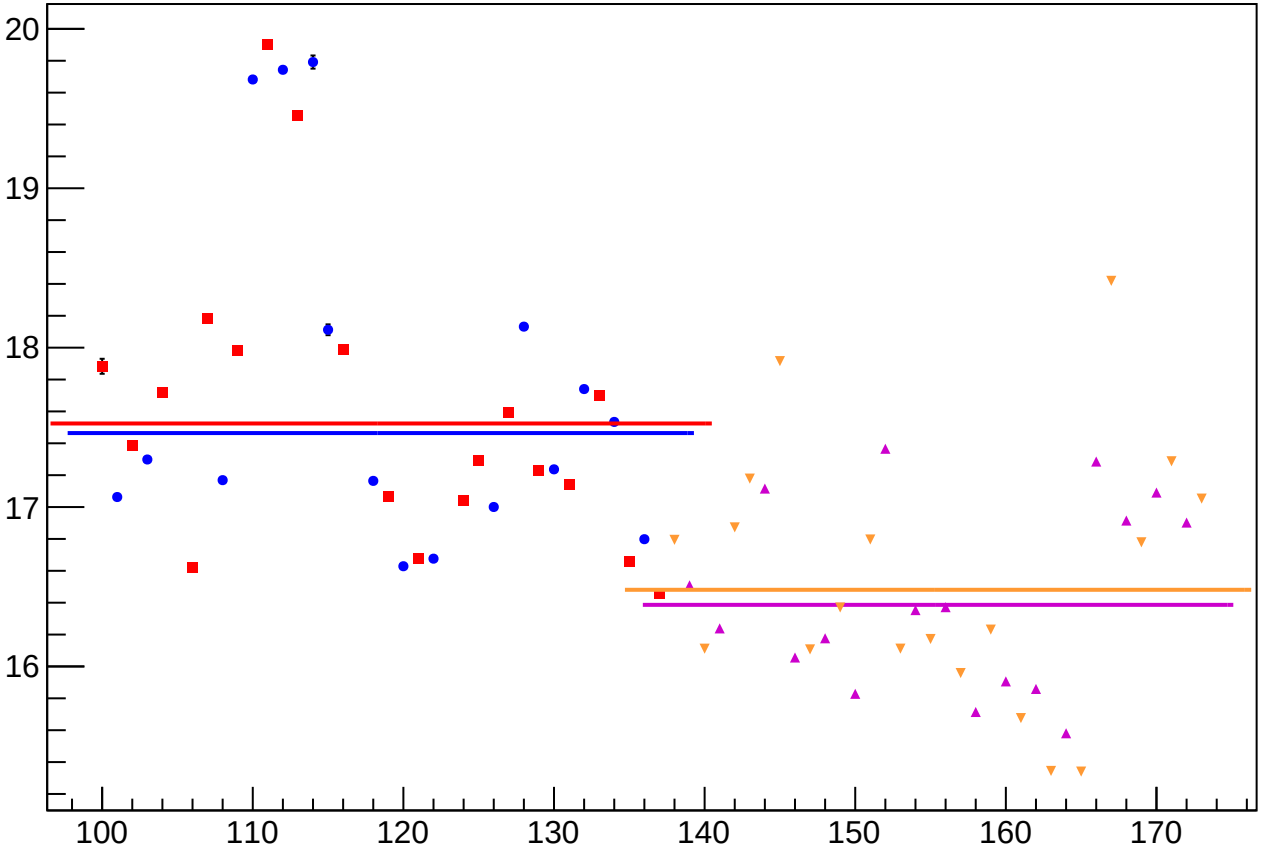
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 2.753+/-3.633 χ^2/NDF:27.6/32

Out: -1.239+/-3.546 χ^2/NDF:27.5/37

All: 0.709+/-2.538 χ^2/NDF: 55.7/70

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: 16.481+/-0.003 χ^2/NDF:64215.0/18

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.386+/-0.003 χ^2/NDF:31055.8/16

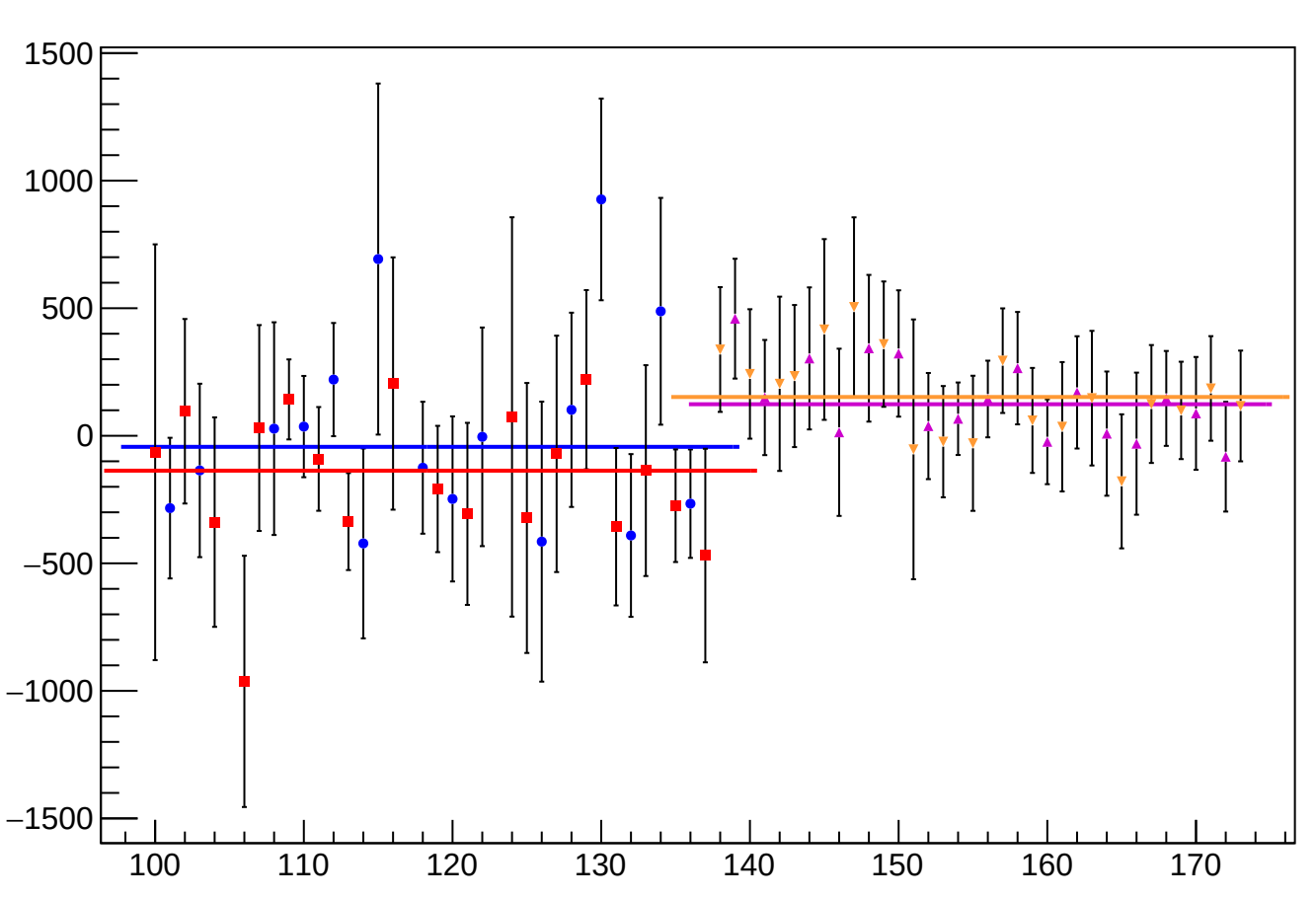
Left: 16.435+/-0.002 χ^2/NDF: 95748.7/35

Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.723+/-0.003 χ^2/NDF:105520.2/32

Out: 16.801+/-0.003 χ^2/NDF:135767.9/37

All: 16.763+/-0.002 χ^2/NDF: 241757.3/70



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 152.006+/-56.940 χ^2/NDF:7.0/18

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 123.648+/-51.073 χ^2/NDF:6.9/16

Left: 136.291+/-38.020 χ^2/NDF: 14.0/35

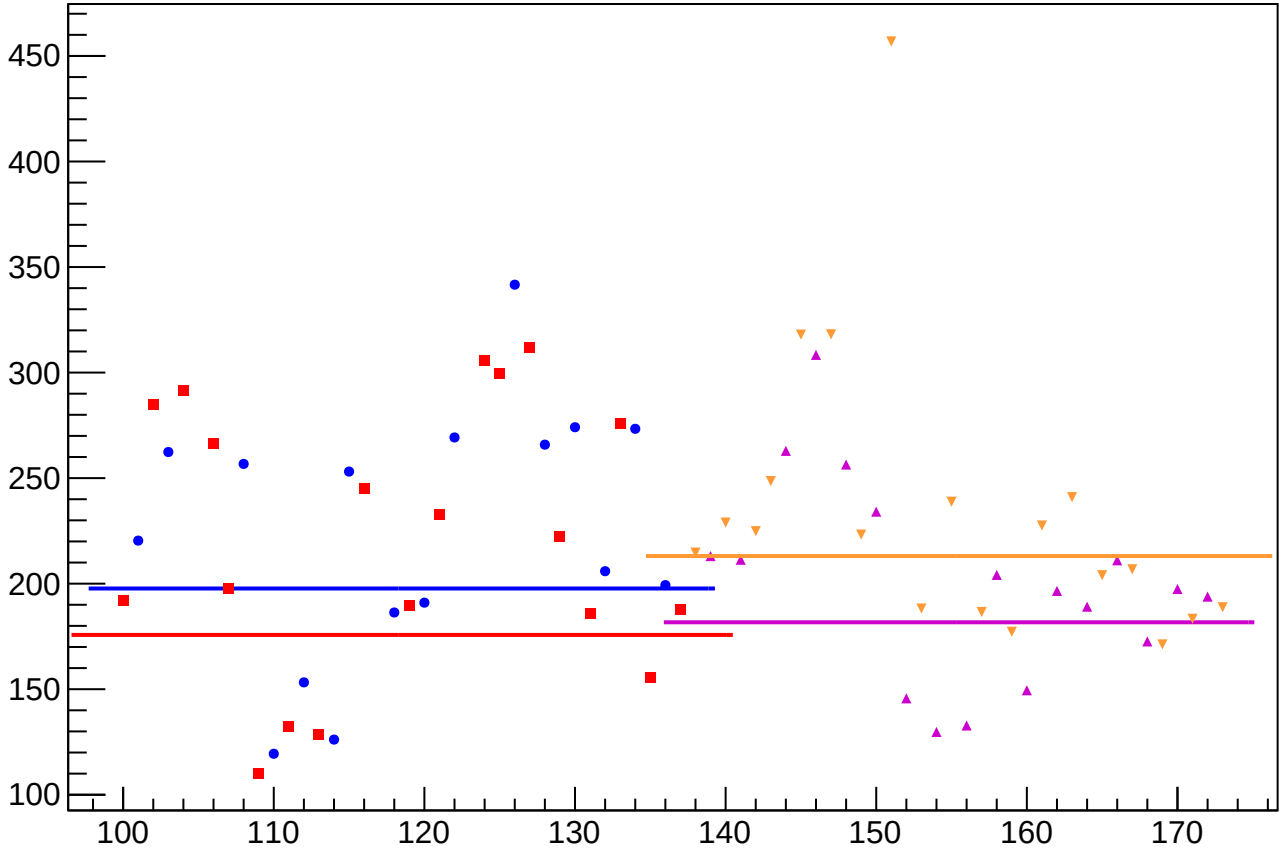
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 73.148+/-42.660 χ^2/NDF:25.6/32

Out: 36.132+/-44.060 χ^2/NDF:28.8/37

All: 55.238+/-30.648 χ^2/NDF: 54.8/70

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: 213.083+/-0.040 χ^2/NDF:1193368.6/18

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 181.698+/-0.036 χ^2/NDF:1453169.2/16

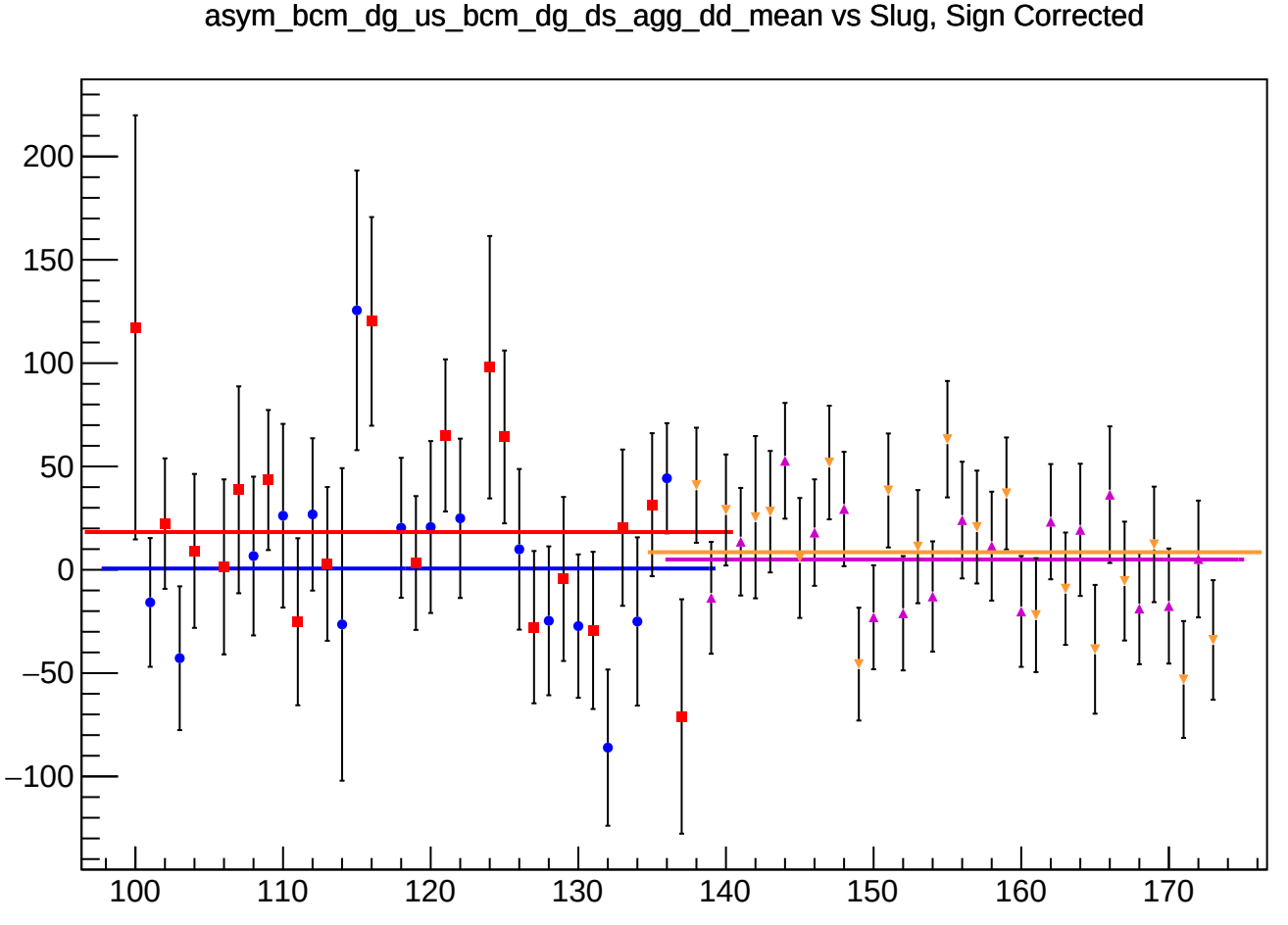
Left: 195.690+/-0.027 χ^2/NDF: 2983253.2/35

Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 186.538+/-0.030 χ^2/NDF:2512908.5/32

Out: 198.089+/-0.031 χ^2/NDF:3129530.0/37

All: 192.127+/-0.022 χ^2/NDF: 5713390.7/70



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 8.507+/-6.512 χ^2/NDF:26.3/18

Right Out: 18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: 4.967+/-6.681 χ^2/NDF:11.5/16

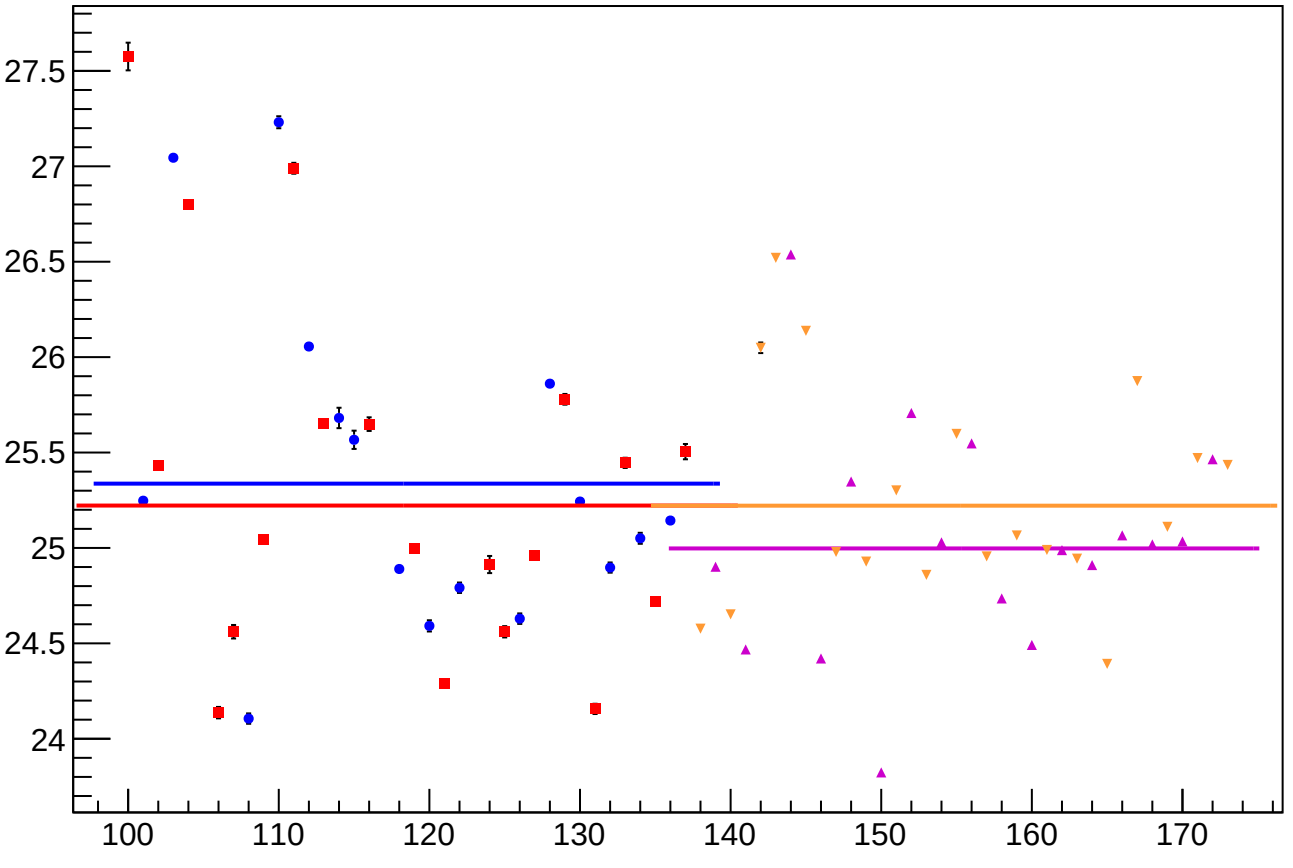
Left: 6.782+/-4.663 χ^2/NDF: 37.9/35

Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: 3.512+/-5.450 χ^2/NDF:28.3/32

Out: 11.755+/-5.317 χ^2/NDF:45.1/37

All: 7.735+/-3.806 χ^2/NDF: 74.6/70



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.221+/-0.005 χ^2/NDF:13216.4/18

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 24.997+/-0.005 χ^2/NDF:16143.1/16

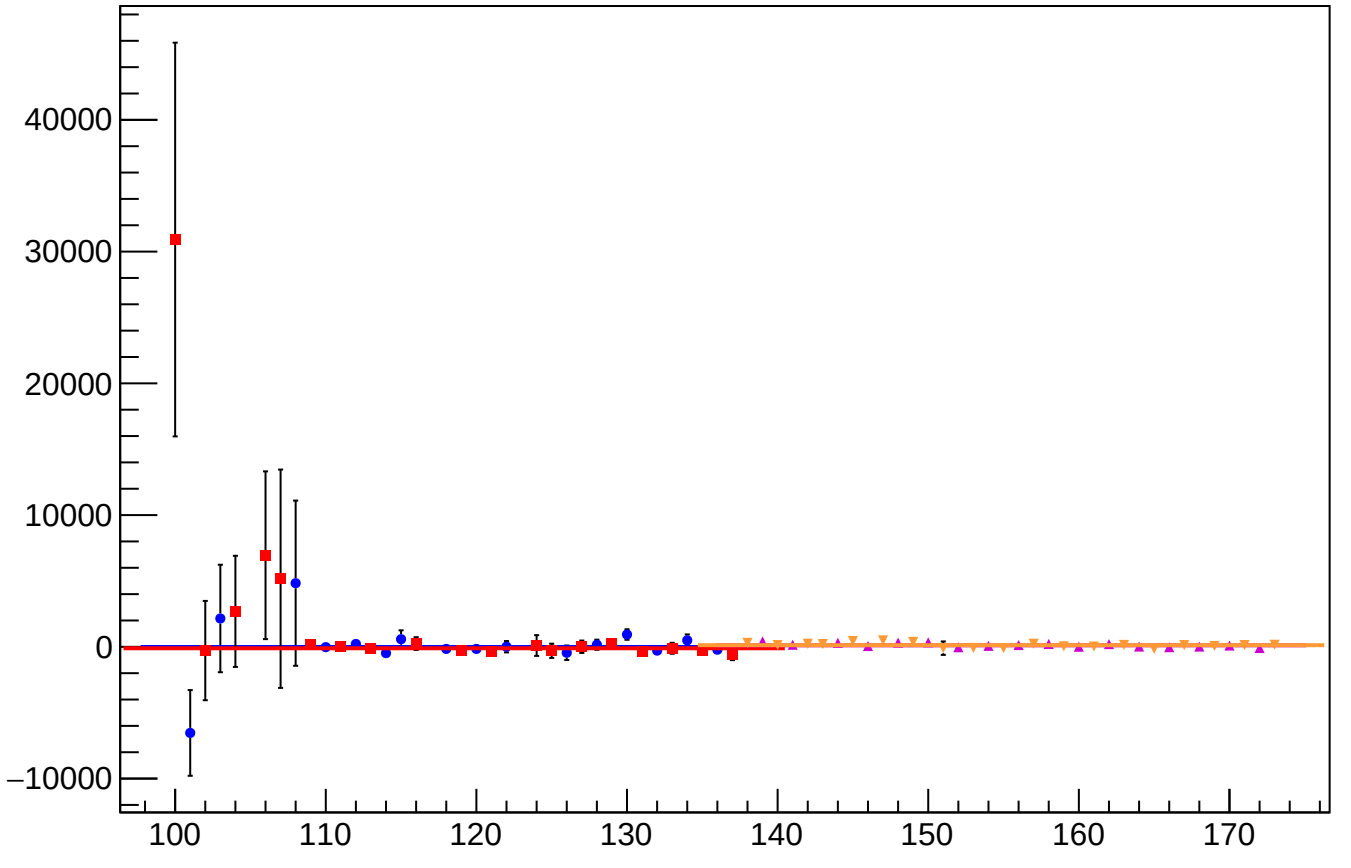
Left: 25.112+/-0.003 χ^2/NDF: 30513.5/35

Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.111+/-0.004 χ^2/NDF:32187.5/32

Out: 25.222+/-0.004 χ^2/NDF:28440.8/37

All: 25.168+/-0.003 χ^2/NDF: 61051.0/70



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 125.340+/-57.514 χ^2/NDF:7.1/18

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 115.777+/-51.831 χ^2/NDF:6.3/16

Left: 120.063+/-38.503 χ^2/NDF: 13.4/35

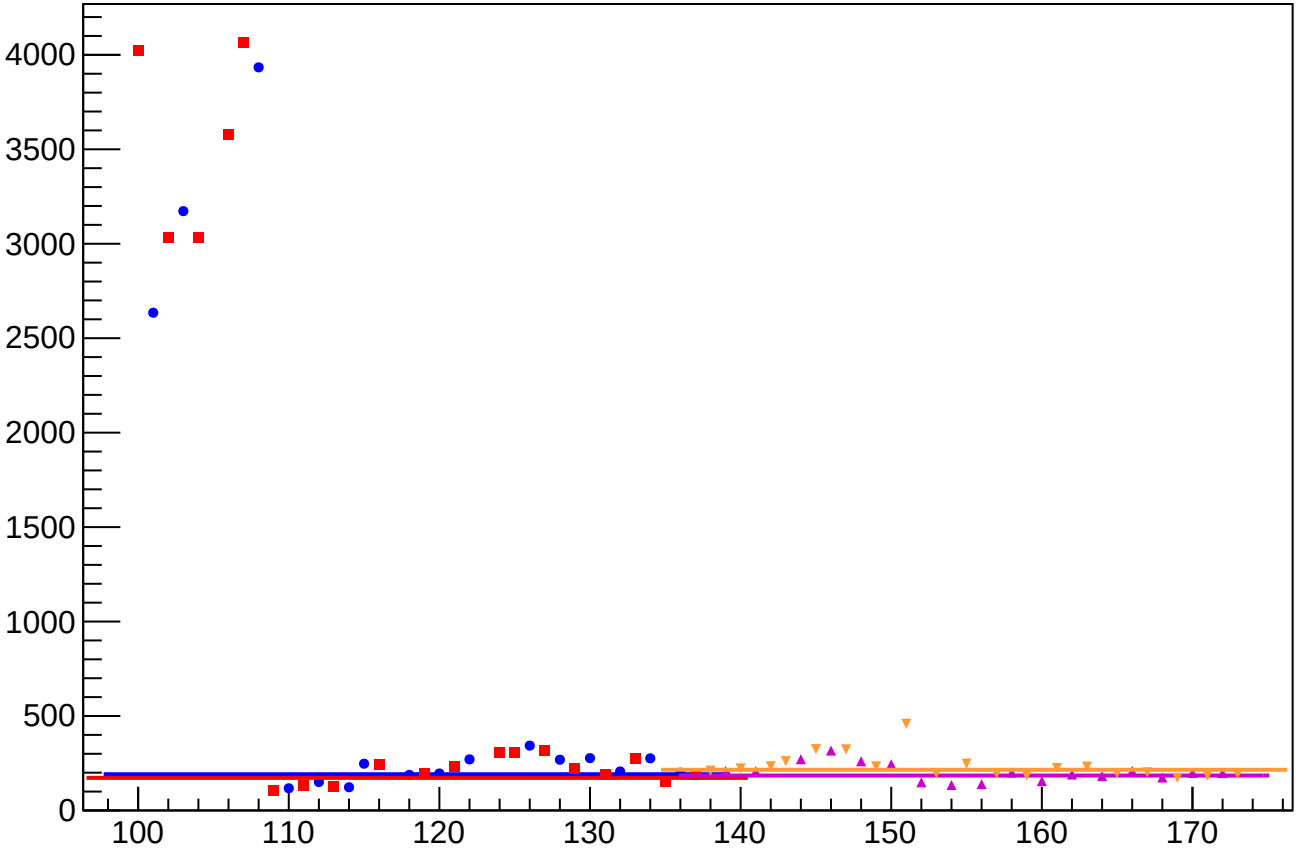
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 80.025+/-44.211 χ^2/NDF:26.3/32

Out: 43.001+/-46.311 χ^2/NDF:27.0/37

All: 62.372+/-31.978 χ^2/NDF: 53.7/70

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: 215.356+/-0.041 χ^2/NDF:1186506.8/18

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 184.860+/-0.037 χ^2/NDF:1337469.2/16

Left: 198.528+/-0.027 χ^2/NDF: 2834264.1/35

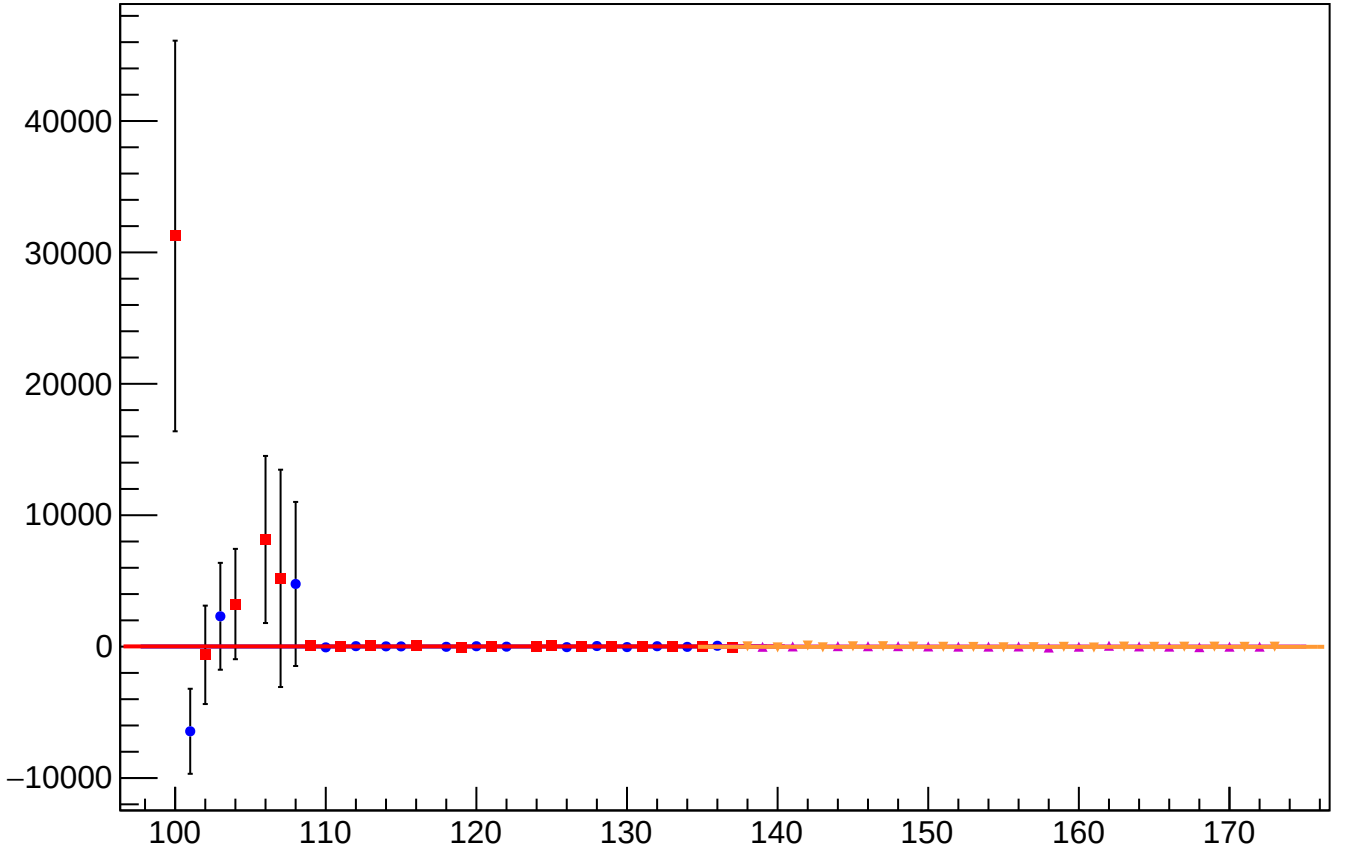
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 186.733+/-0.031 χ^2/NDF:5168861.0/32

Out: 200.273+/-0.033 χ^2/NDF:5880795.9/37

All: 193.189+/-0.023 χ^2/NDF: 11139101.0/70

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: -13.886+/-7.433 χ^2/NDF:17.9/18

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 7.080+/-7.691 χ^2/NDF:16.5/16

Left: -3.762+/-5.345 χ^2/NDF: 38.2/35

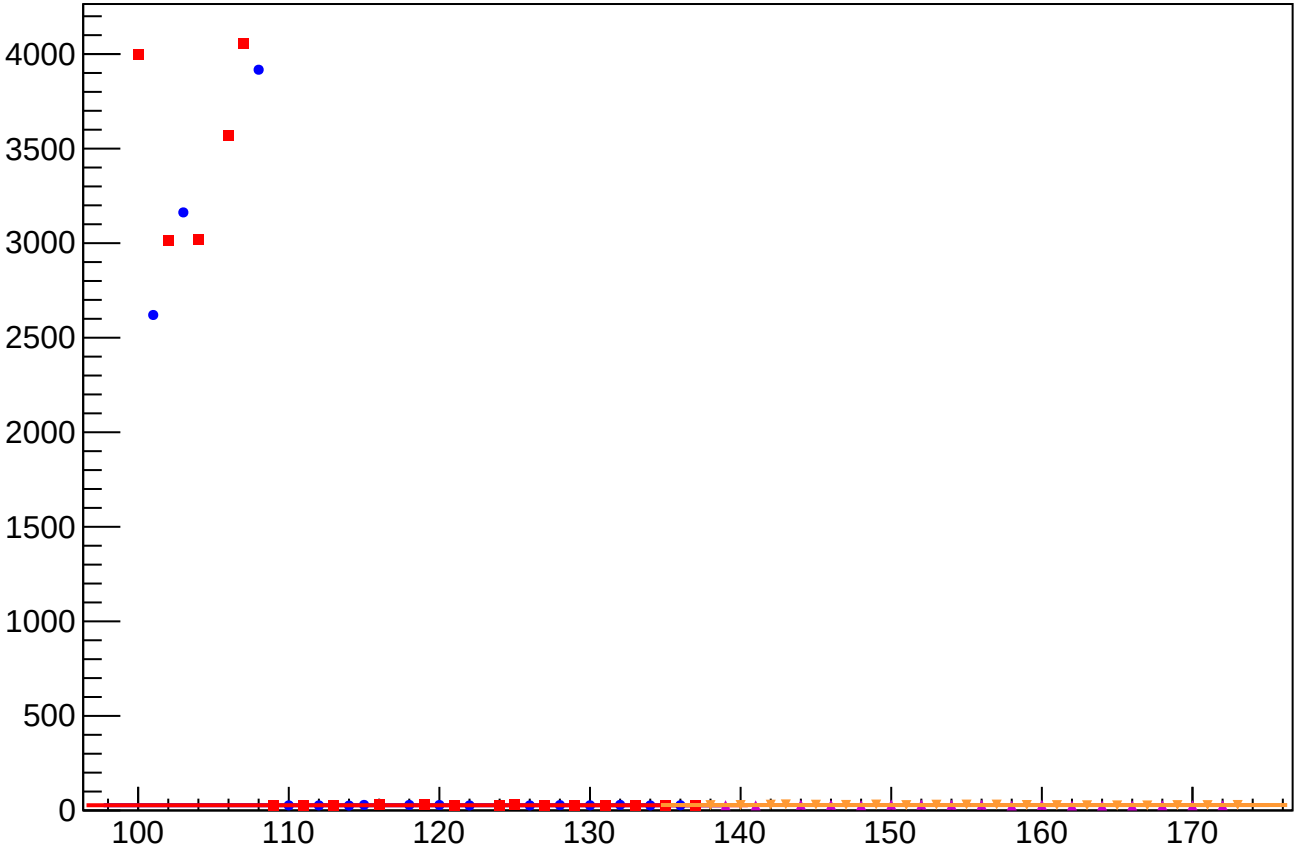
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 7.834+/-6.425 χ^2/NDF:32.5/32

Out: -4.805+/-6.290 χ^2/NDF:47.9/37

All: 1.381+/-4.494 χ^2/NDF: 82.4/70

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: 28.724+/-0.005 χ^2/NDF:82344.1/18

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.701+/-0.005 χ^2/NDF:110435.0/16

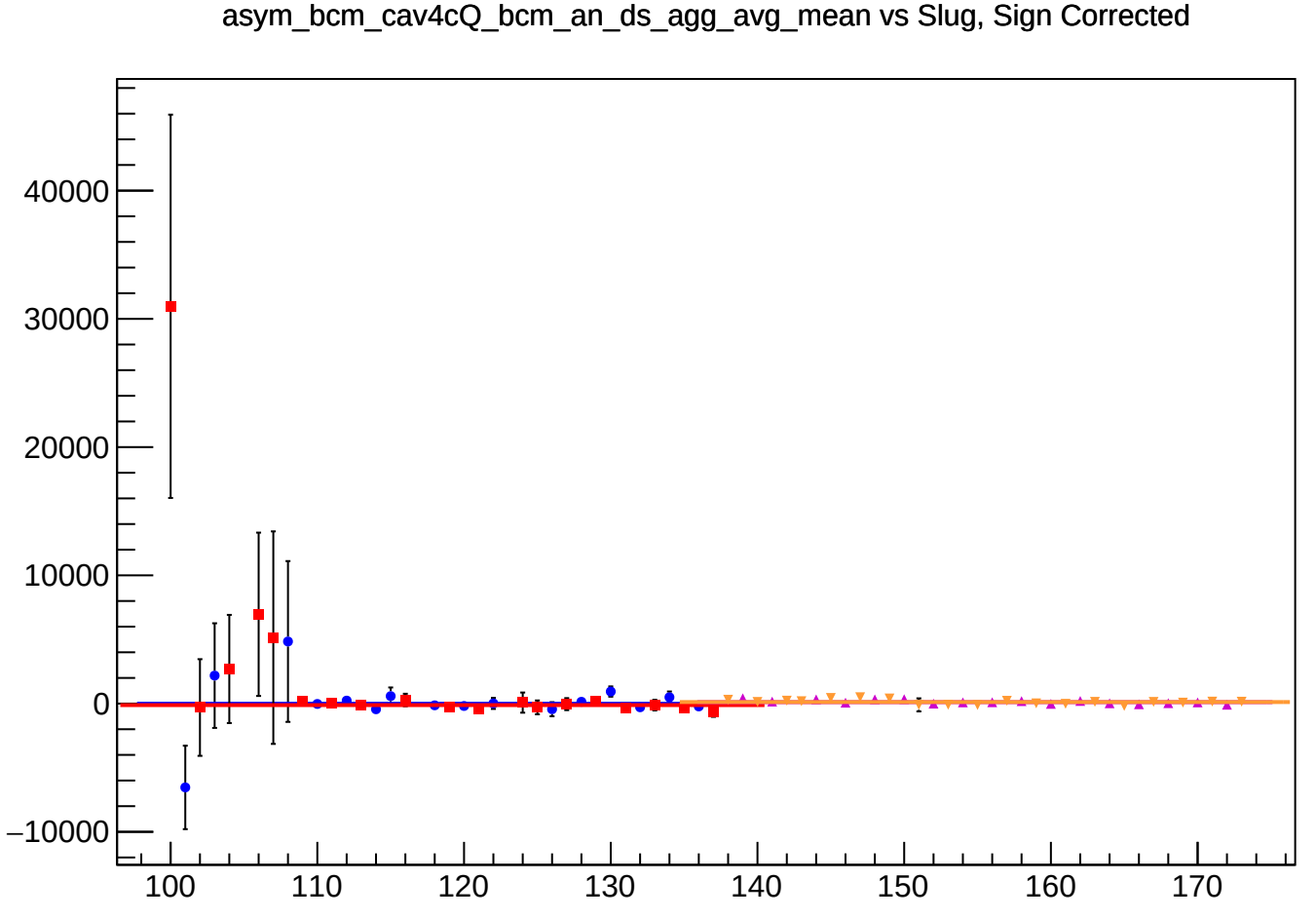
Left: 28.713+/-0.004 χ^2/NDF: 192788.6/35

Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.381+/-0.005 χ^2/NDF:3387403.9/32

Out: 28.387+/-0.004 χ^2/NDF:3652122.6/37

All: 28.384+/-0.003 χ^2/NDF: 7039527.3/70



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 119.841+/-57.394 χ^2/NDF:7.9/18

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 113.084+/-51.734 χ^2/NDF:6.5/16

Left: 116.113+/-38.427 χ^2/NDF: 14.4/35

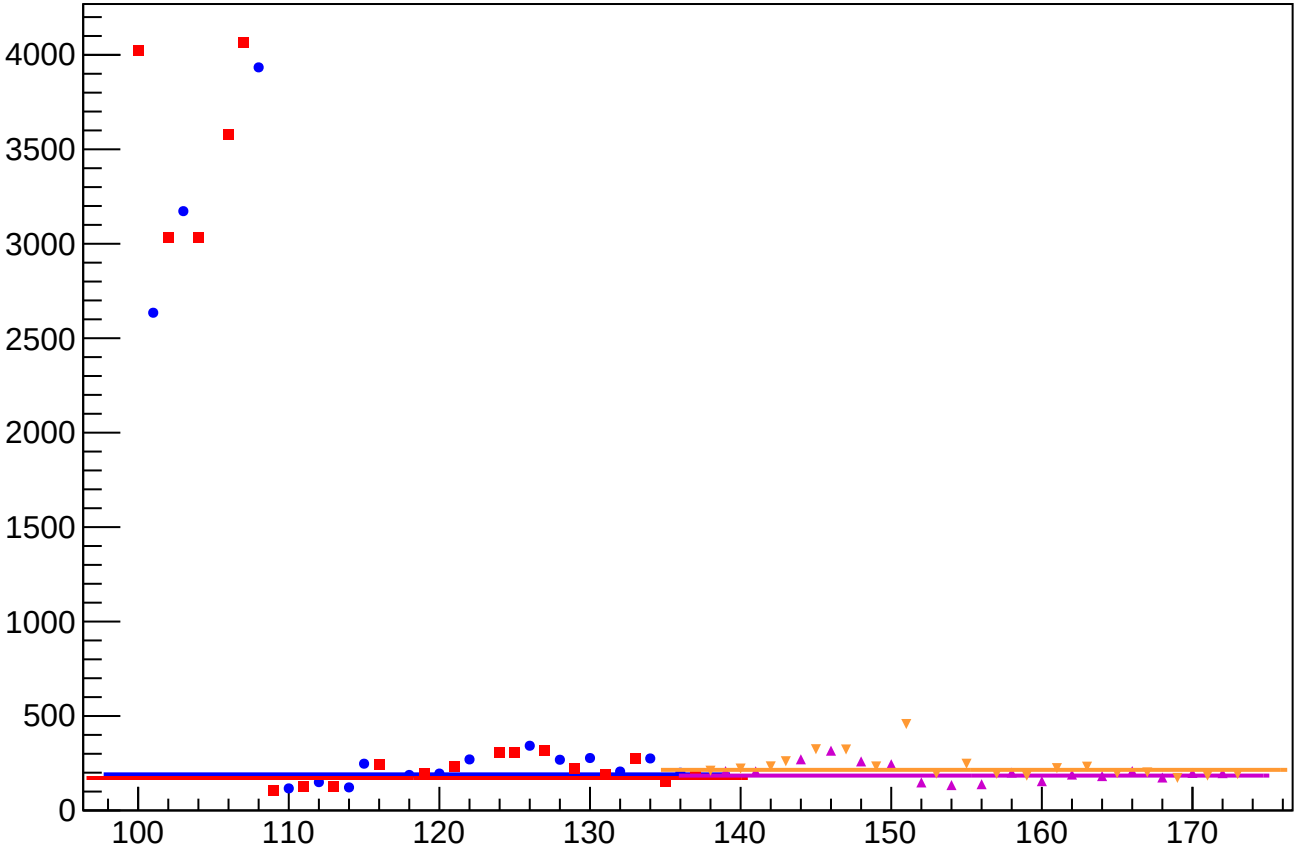
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 78.637+/-44.115 χ^2/NDF:26.4/32

Out: 36.085+/-46.199 χ^2/NDF:28.4/37

All: 58.343+/-31.905 χ^2/NDF: 55.3/70

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: 214.910+/-0.041 χ^2/NDF:1185992.9/18

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 184.518+/-0.037 χ^2/NDF:1336982.3/16

Left: 198.142+/-0.027 χ^2/NDF: 2832379.1/35

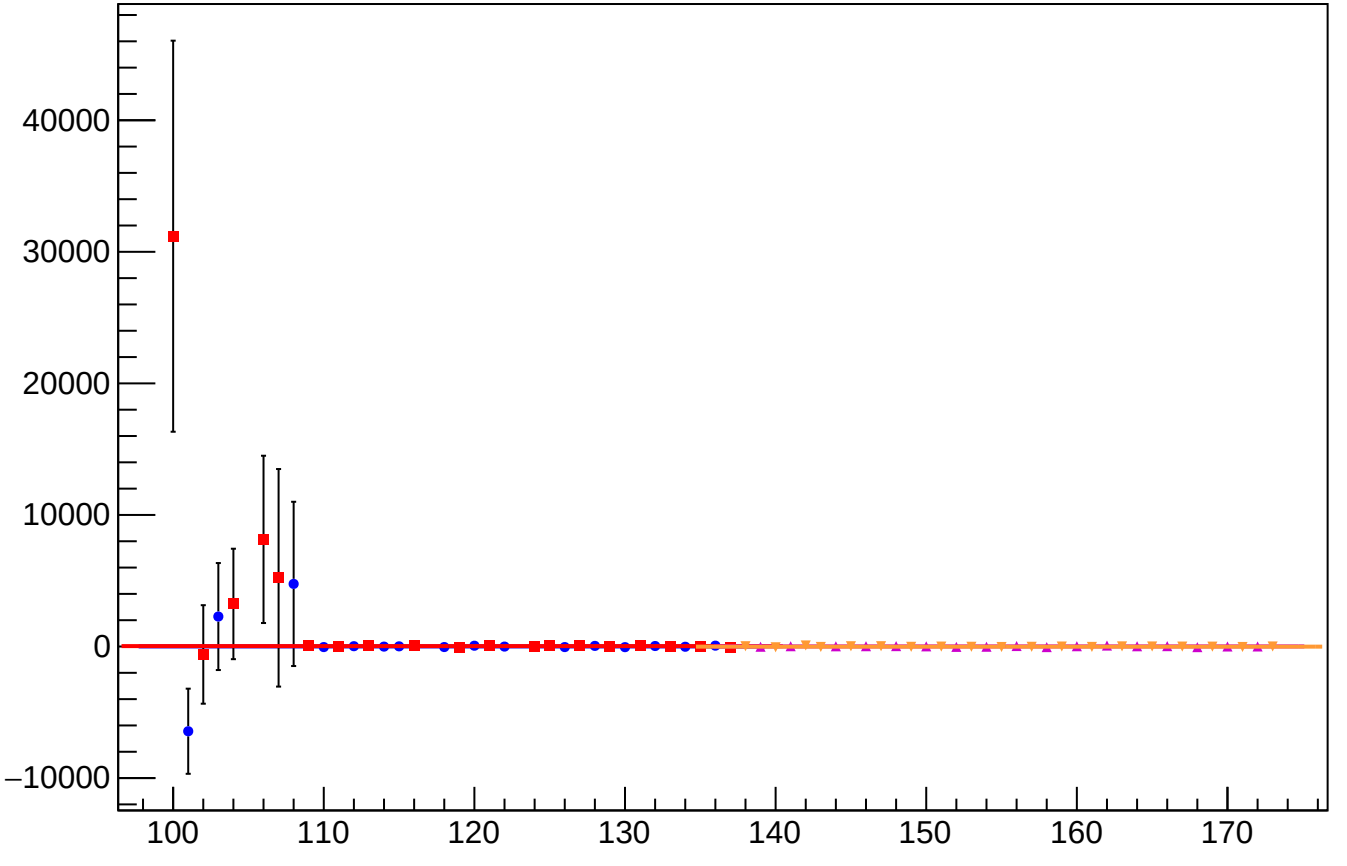
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 186.306+/-0.031 χ^2/NDF:5179687.0/32

Out: 199.745+/-0.033 χ^2/NDF:5897315.7/37

All: 192.715+/-0.023 χ^2/NDF: 11165527.0/70

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: -9.733+/-7.483 χ^2/NDF:12.1/18

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 8.337+/-7.737 χ^2/NDF:16.0/16

Left: -1.000+/-5.379 χ^2/NDF: 30.9/35

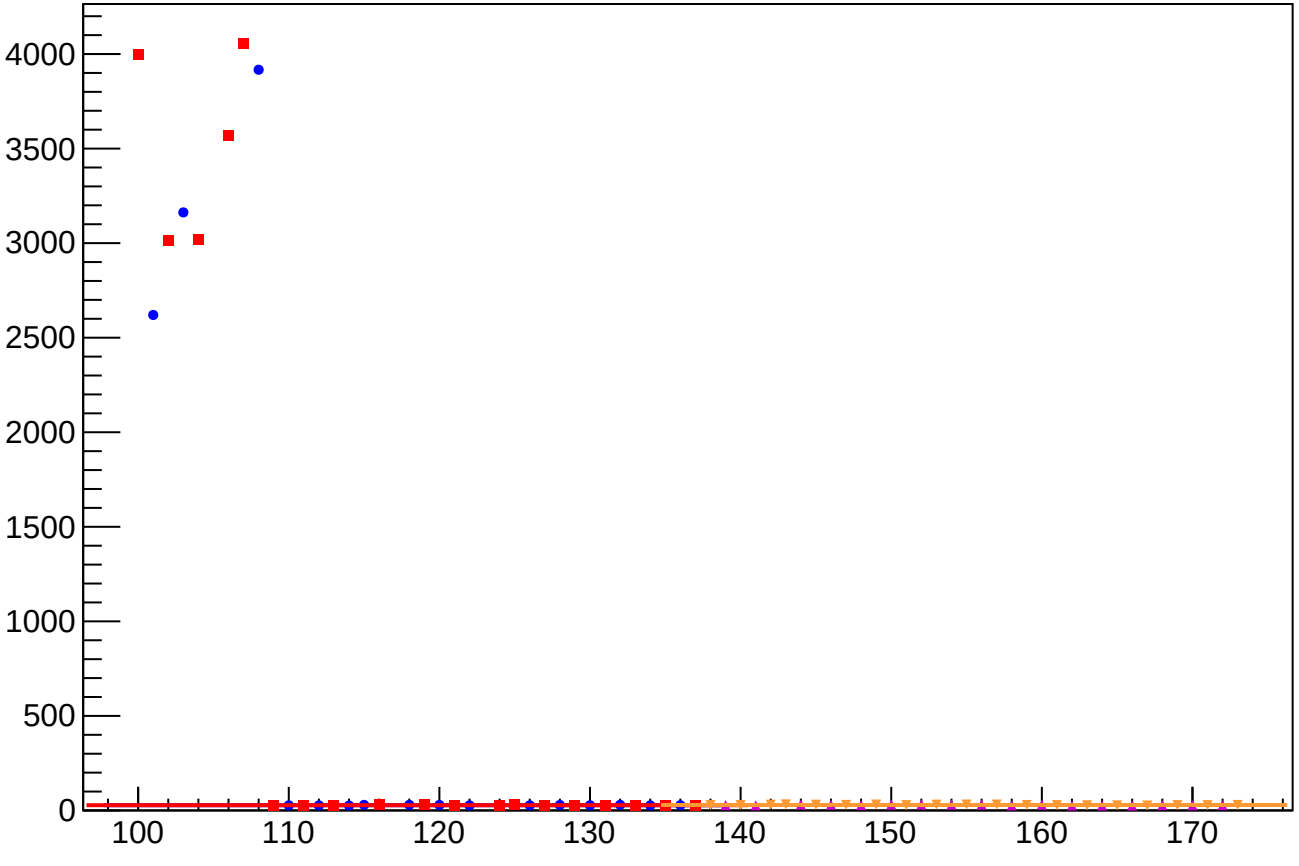
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 7.779+/-6.464 χ^2/NDF:34.3/32

Out: 1.796+/-6.335 χ^2/NDF:40.4/37

All: 4.727+/-4.524 χ^2/NDF: 75.1/70

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: 28.914+/-0.005 χ^2/NDF:88561.4/18

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 28.873+/-0.005 χ^2/NDF:111811.9/16

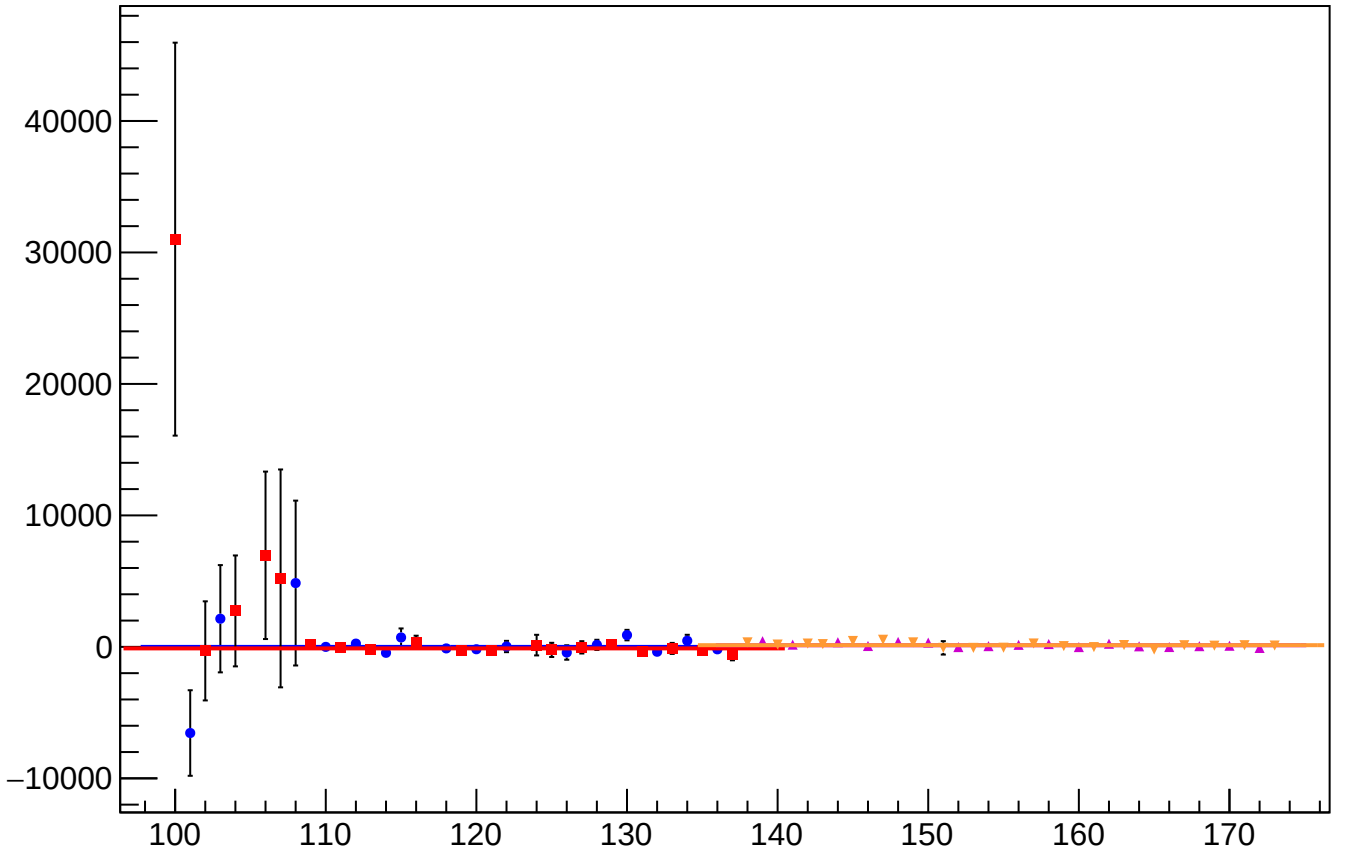
Left: 28.894+/-0.004 χ^2/NDF: 200401.7/35

Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.557+/-0.005 χ^2/NDF:3388798.4/32

Out: 28.585+/-0.004 χ^2/NDF:3660864.4/37

All: 28.571+/-0.003 χ^2/NDF: 7049682.4/70



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 128.175+/-57.978 χ^2/NDF:7.8/18

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 123.403+/-52.362 χ^2/NDF:6.9/16

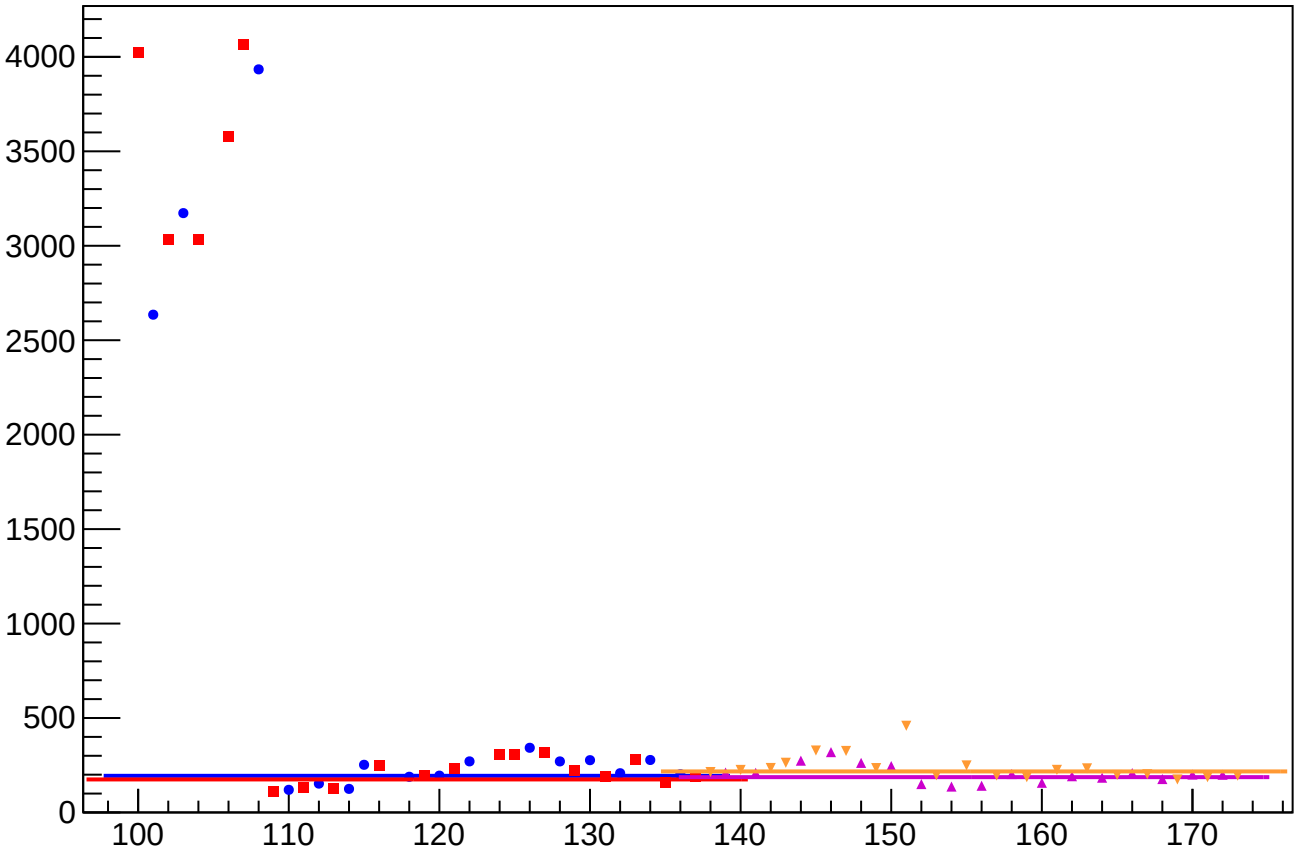
Left: 125.547+/-38.860 χ^2/NDF: 14.7/35

Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 88.986+/-44.655 χ^2/NDF:26.7/32

Out: 42.717+/-46.732 χ^2/NDF:27.8/37

All: 66.902+/-32.285 χ^2/NDF: 55.0/70



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 217.204+/-0.041 χ^2/NDF:1173181.3/18

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 186.921+/-0.037 χ^2/NDF:1308415.8/16

Left: 200.525+/-0.027 χ^2/NDF: 2782122.8/35

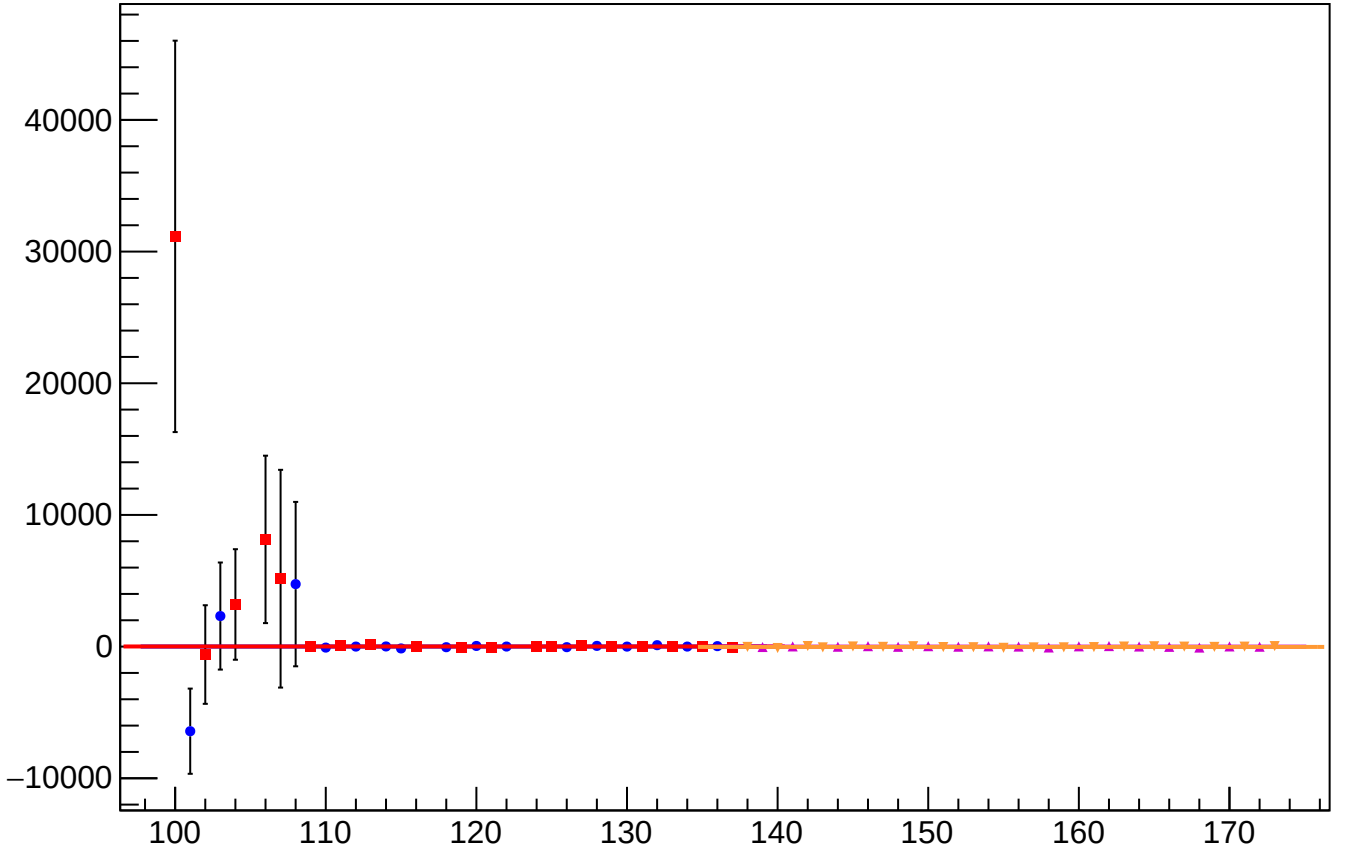
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 188.837+/-0.032 χ^2/NDF:5102703.2/32

Out: 202.341+/-0.033 χ^2/NDF:5807671.9/37

All: 195.282+/-0.023 χ^2/NDF: 10997678.5/70

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: -24.486+/-8.921 χ^2/NDF:19.9/18

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: -2.386+/-9.237 χ^2/NDF:11.9/16

Left: -13.820+/-6.417 χ^2/NDF: 34.7/35

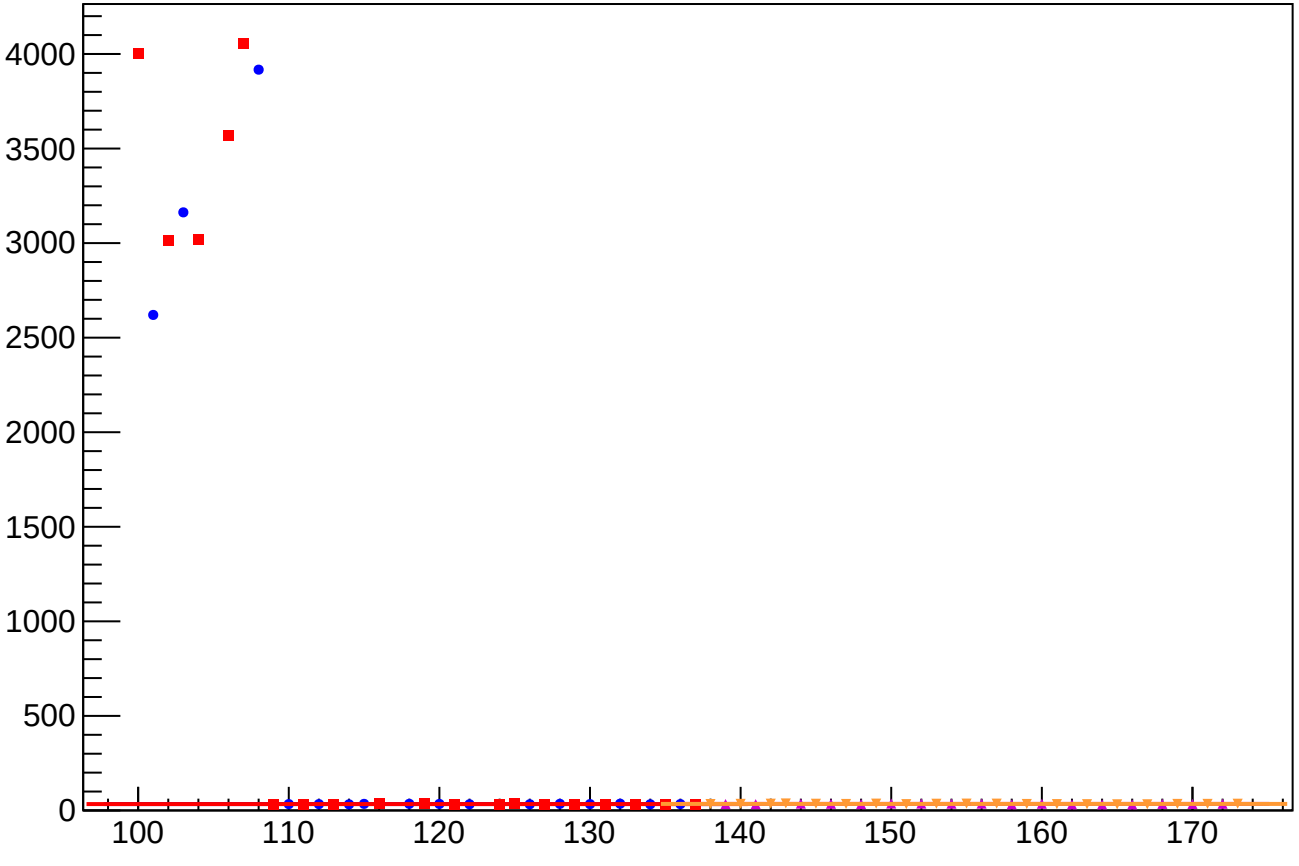
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: -0.018+/-7.760 χ^2/NDF:29.6/32

Out: -14.952+/-7.588 χ^2/NDF:47.4/37

All: -7.652+/-5.425 χ^2/NDF: 78.9/70

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: 34.529+/-0.006 χ^2/NDF:37998.5/18

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.535+/-0.007 χ^2/NDF:49713.4/16

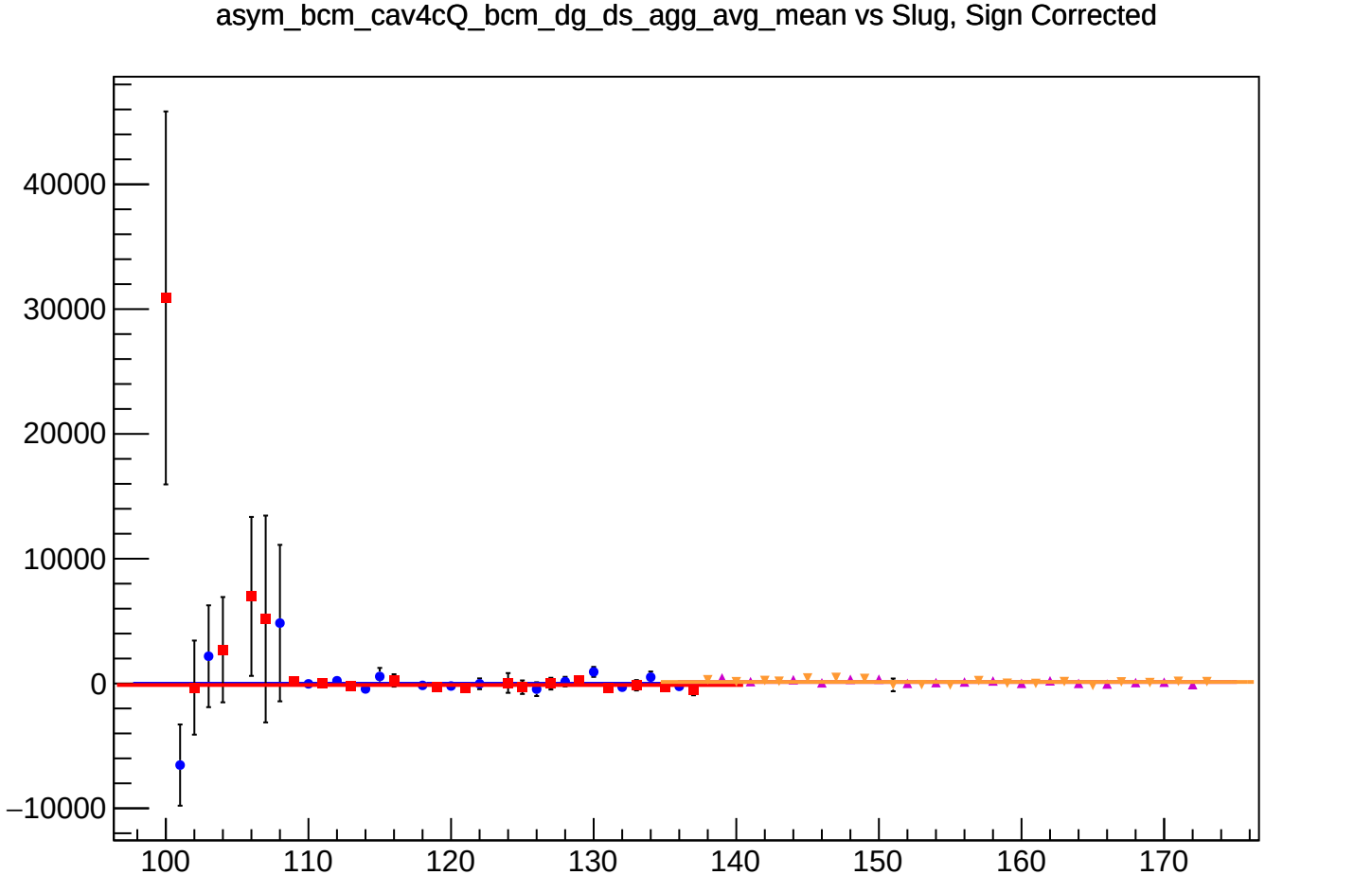
Left: 34.532+/-0.005 χ^2/NDF: 87712.3/35

Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.348+/-0.005 χ^2/NDF:3296880.7/32

Out: 34.307+/-0.005 χ^2/NDF:3568939.0/37

All: 34.327+/-0.004 χ^2/NDF: 6865848.2/70



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 124.101+/-57.861 χ^2/NDF:7.6/18

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 122.120+/-52.225 χ^2/NDF:6.3/16

Left: 123.009+/-38.769 χ^2/NDF: 13.9/35

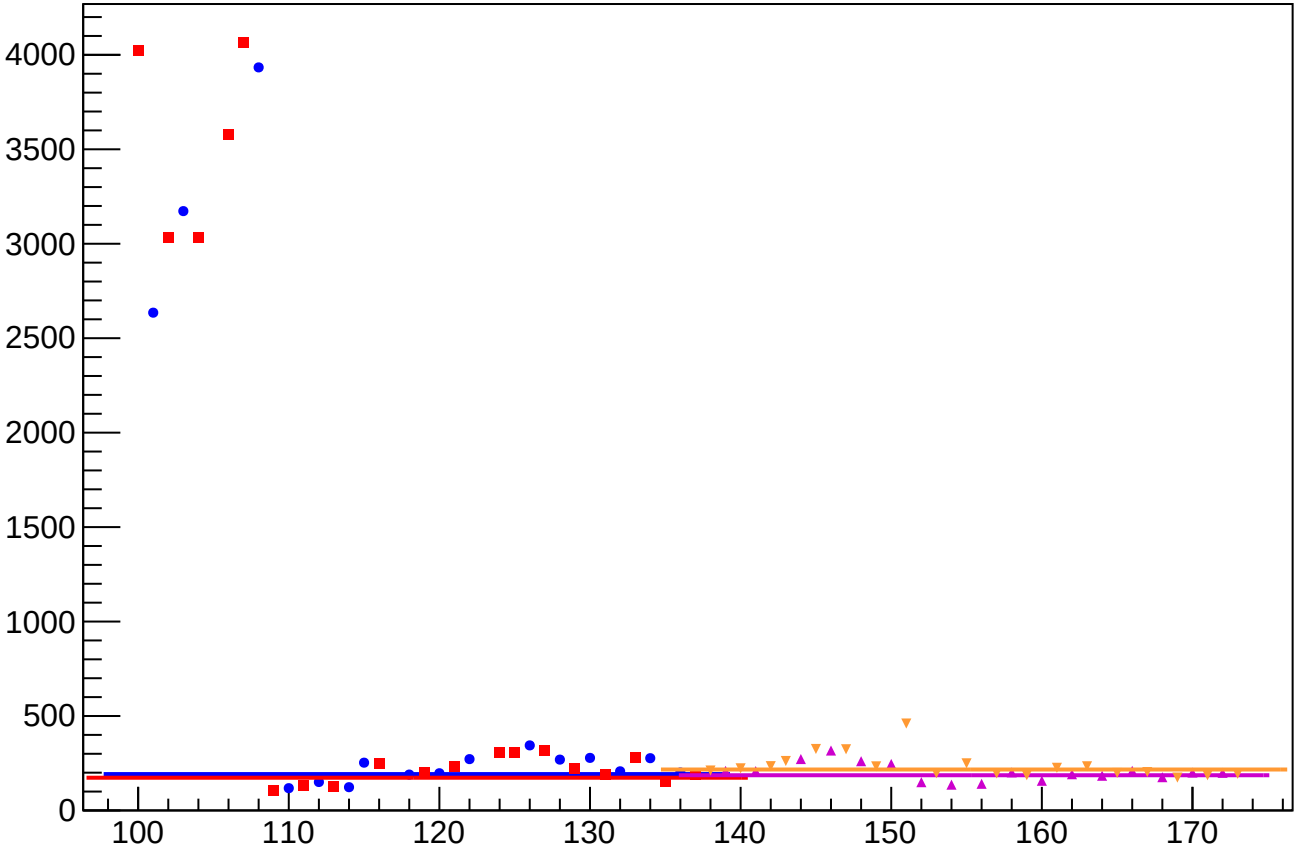
Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 83.344+/-44.506 χ^2/NDF:26.5/32

Out: 38.133+/-46.566 χ^2/NDF:27.2/37

All: 61.761+/-32.174 χ^2/NDF: 54.1/70

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: 216.762+/-0.041 χ^2/NDF:1166751.5/18

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 186.435+/-0.037 χ^2/NDF:1296777.3/16

Left: 200.050+/-0.027 χ^2/NDF: 2766305.4/35

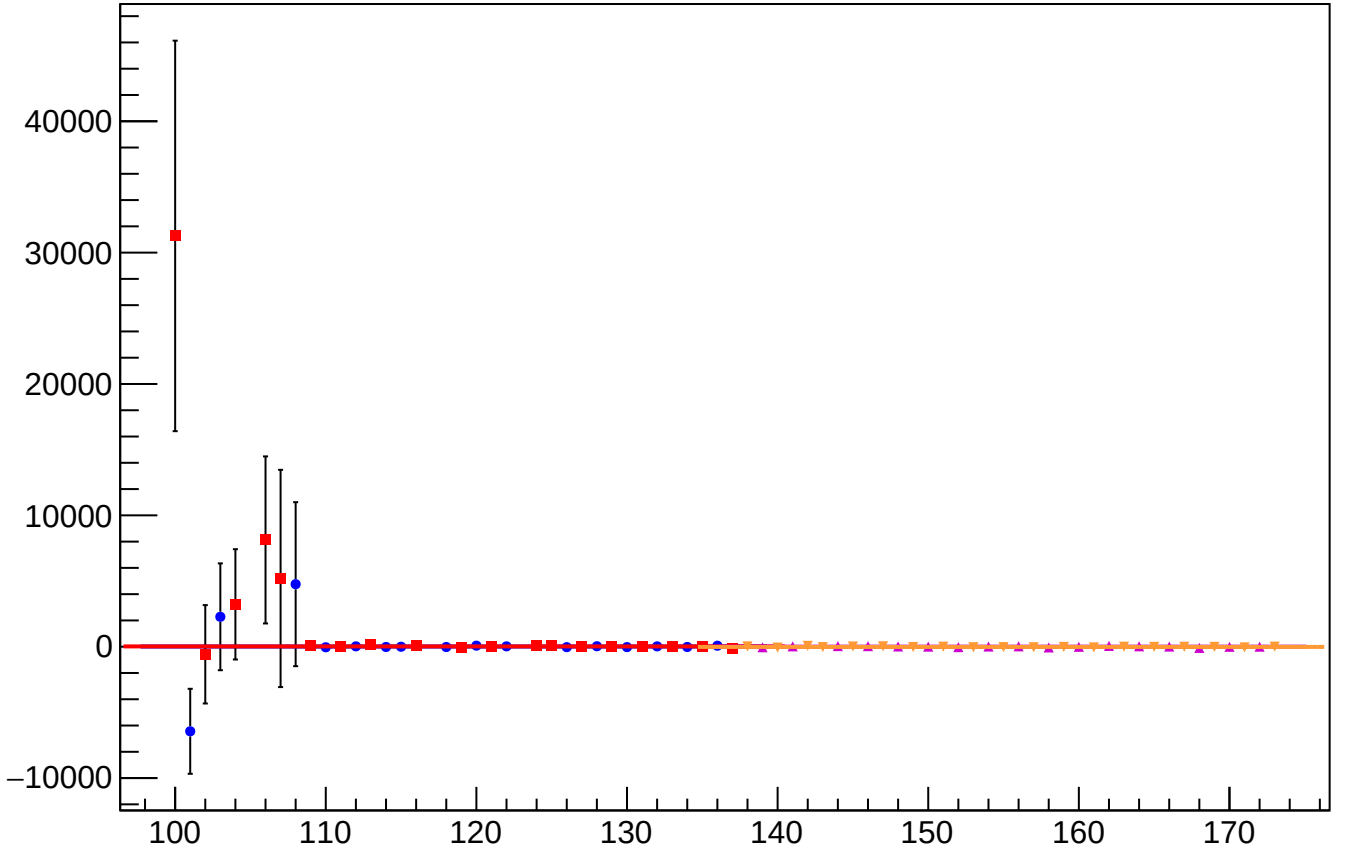
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 188.111+/-0.031 χ^2/NDF:5127098.6/32

Out: 201.432+/-0.033 χ^2/NDF:5872646.7/37

All: 194.471+/-0.023 χ^2/NDF: 11085278.3/70

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -16.169+/-8.080 χ^2/NDF:13.1/18

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 2.838+/-8.348 χ^2/NDF:22.5/16

Left: -6.976+/-5.806 χ^2/NDF: 38.3/35

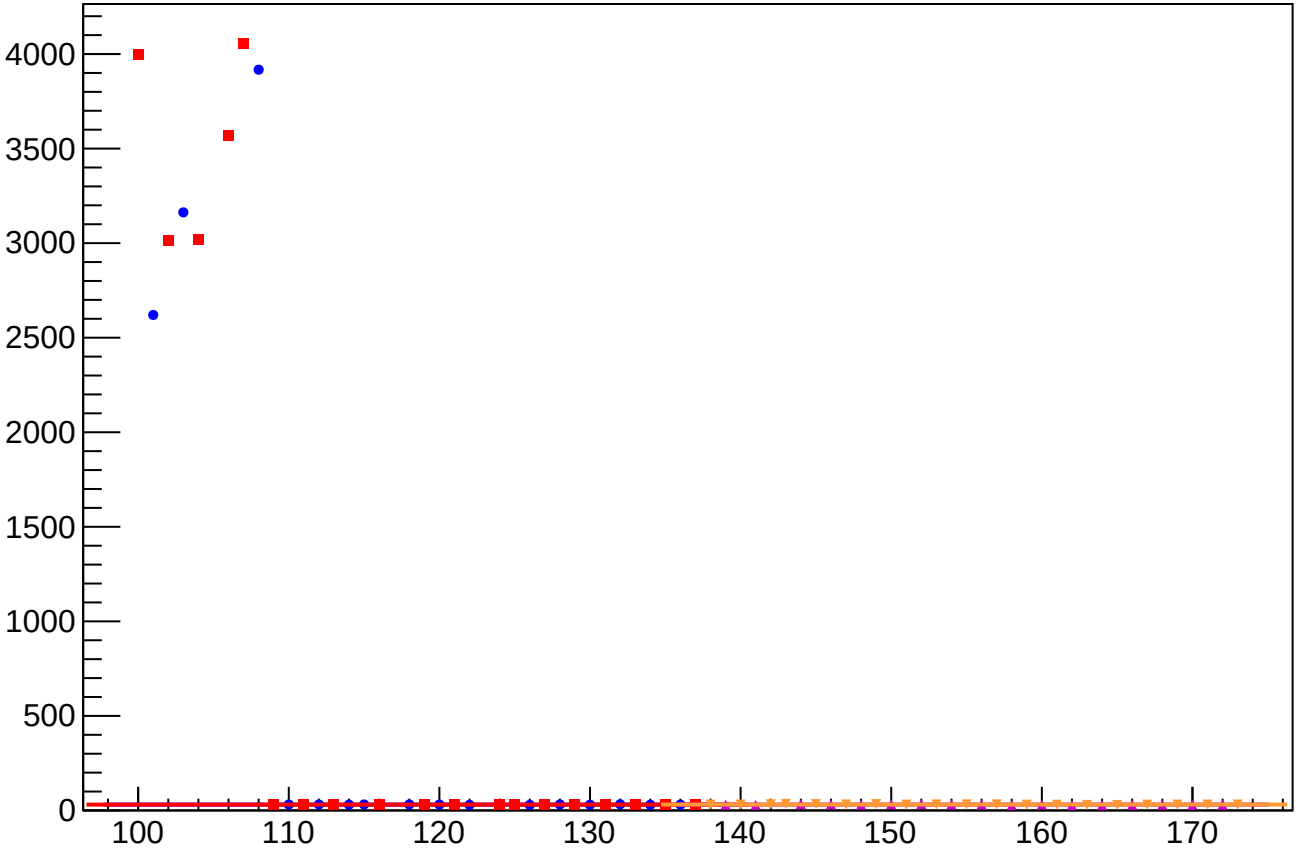
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 5.992+/-7.034 χ^2/NDF:38.5/32

Out: -5.408+/-6.889 χ^2/NDF:48.3/37

All: 0.173+/-4.922 χ^2/NDF: 88.1/70

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: 31.246+/-0.006 χ^2/NDF:58551.8/18

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.176+/-0.006 χ^2/NDF:77174.6/16

Left: 31.212+/-0.004 χ^2/NDF: 135800.3/35

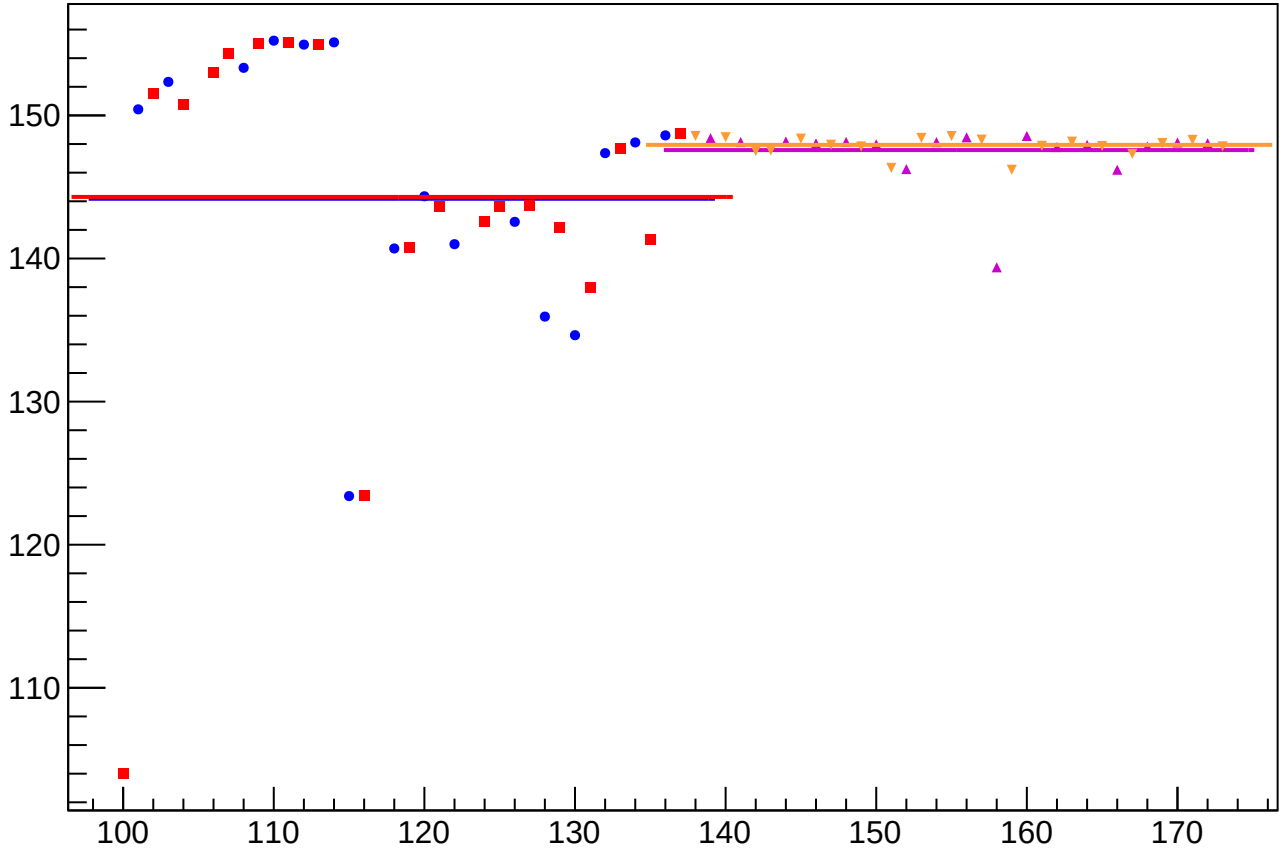
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.104+/-0.005 χ^2/NDF:3330291.7/32

Out: 31.118+/-0.005 χ^2/NDF:3596630.2/37

All: 31.111+/-0.003 χ^2/NDF: 6926926.1/70

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.942+/-0.000 χ^2/NDF:34253428.2/18

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.578+/-0.000 χ^2/NDF:289978132.9/16

Left: 147.769+/-0.000 χ^2/NDF: 329535932.2/35

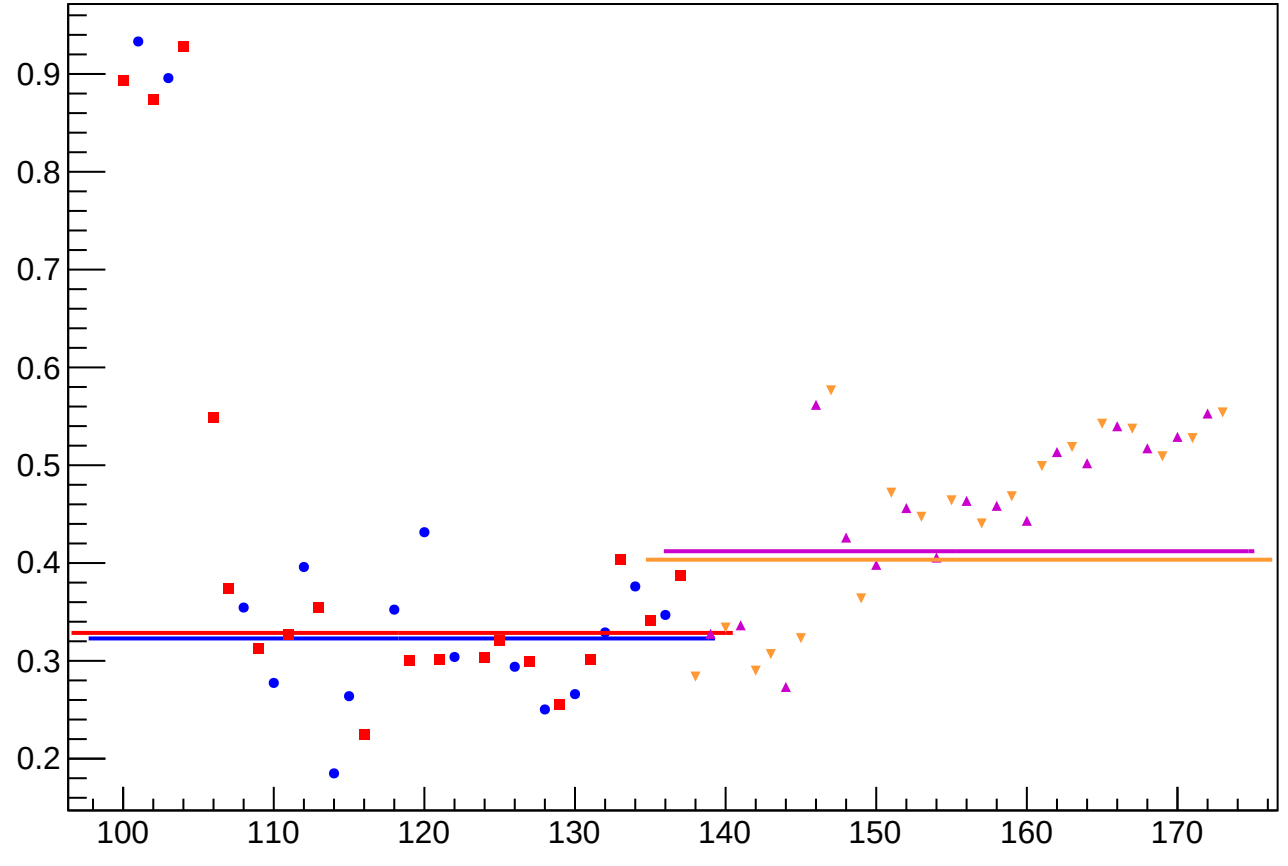
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.117+/-0.000 χ^2/NDF:4391484452.2/32

Out: 146.480+/-0.000 χ^2/NDF:4745739196.5/37

All: 146.304+/-0.000 χ^2/NDF: 9146248743.3

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.403+/-0.000 χ^2/NDF:1576033.4/18

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.412+/-0.000 χ^2/NDF:1239544.3/16

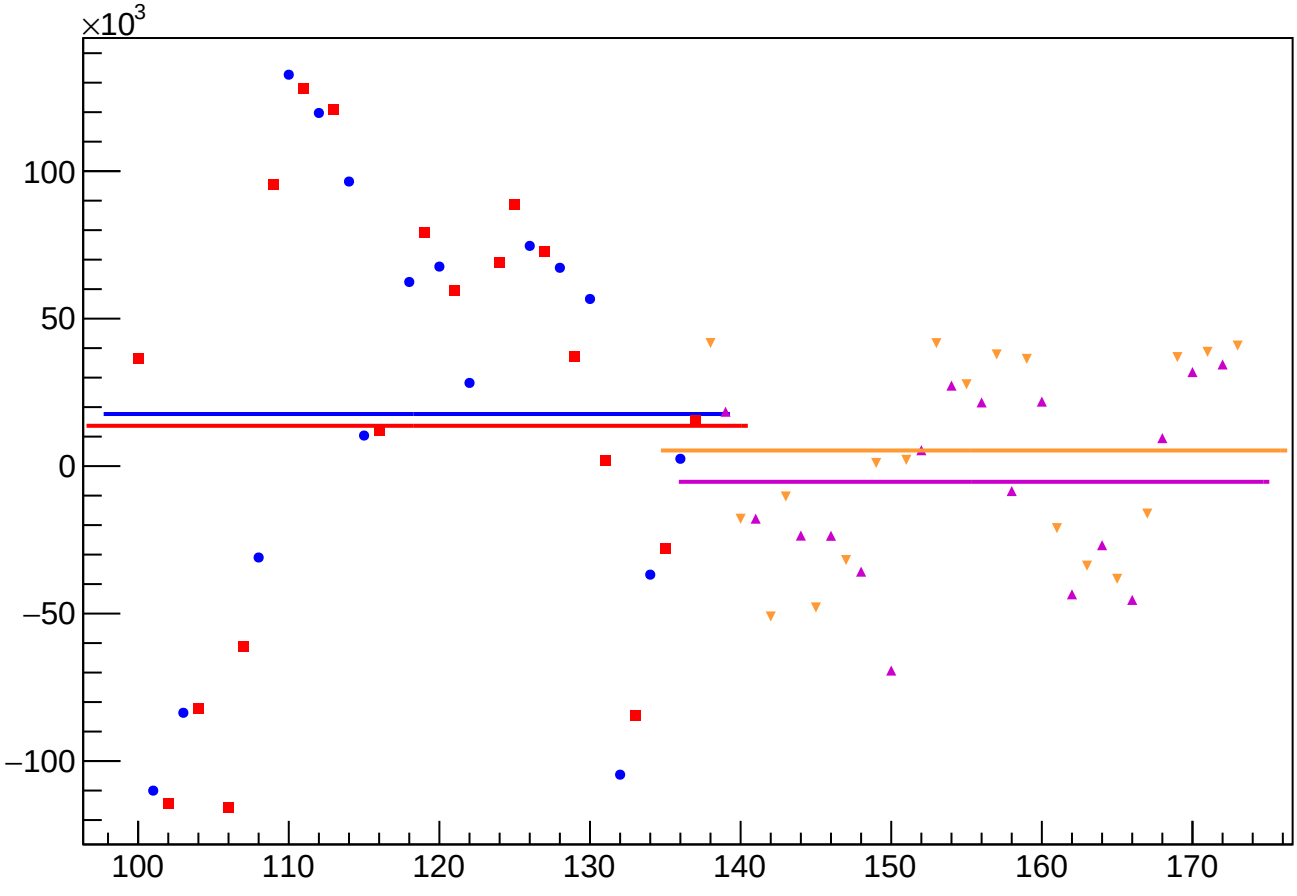
Left: 0.408+/-0.000 χ^2/NDF: 2821548.4/35

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

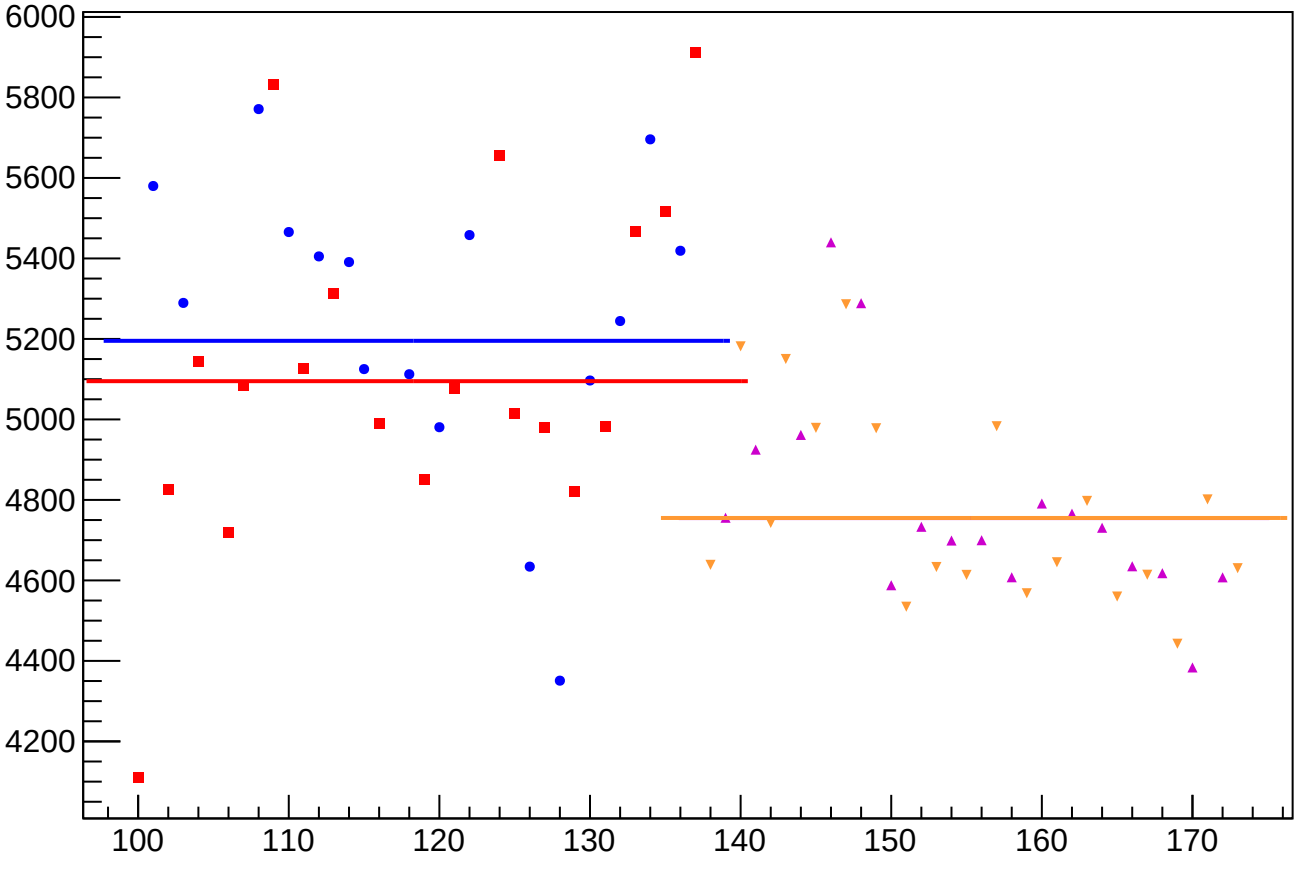
In: 0.374+/-0.000 χ^2/NDF:3153475.0/32

Out: 0.373+/-0.000 χ^2/NDF:3258553.7/37

All: 0.374+/-0.000 χ^2/NDF: 6412054.7/70


yield_bcm_an_diff_mean vs Slug, Sign Corrected
×10^3
100
50
0
−50
−100
100
110
120
130
140
150
160
170
Right In: 17663.790+/-2.006 χ²/NDF: 1398738701.8/15
Left Out: 5298.486+/-1.256 χ²/NDF:667455133.0/18
Right Out: 13666.312+/-1.925 χ²/NDF: 1856962869.6/18
Left In: -5323.575+/-1.301 χ²/NDF:566719679.3/16
Left: 174.894+/-0.903 χ²/NDF: 1268698857.5/35
Right: 15583.102+/-1.389 χ²/NDF: 3257769505.5/3
In: 1482.379+/-1.091 χ²/NDF:2057938693.0/32
Out: 7795.964+/-1.052 χ²/NDF:2537675226.6/37
All: 4755.939+/-0.757 χ²/NDF: 4612969550.

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4755.122+/-0.888 χ^2/NDF:68097.6/18

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4754.883+/-0.920 χ^2/NDF:65883.4/16

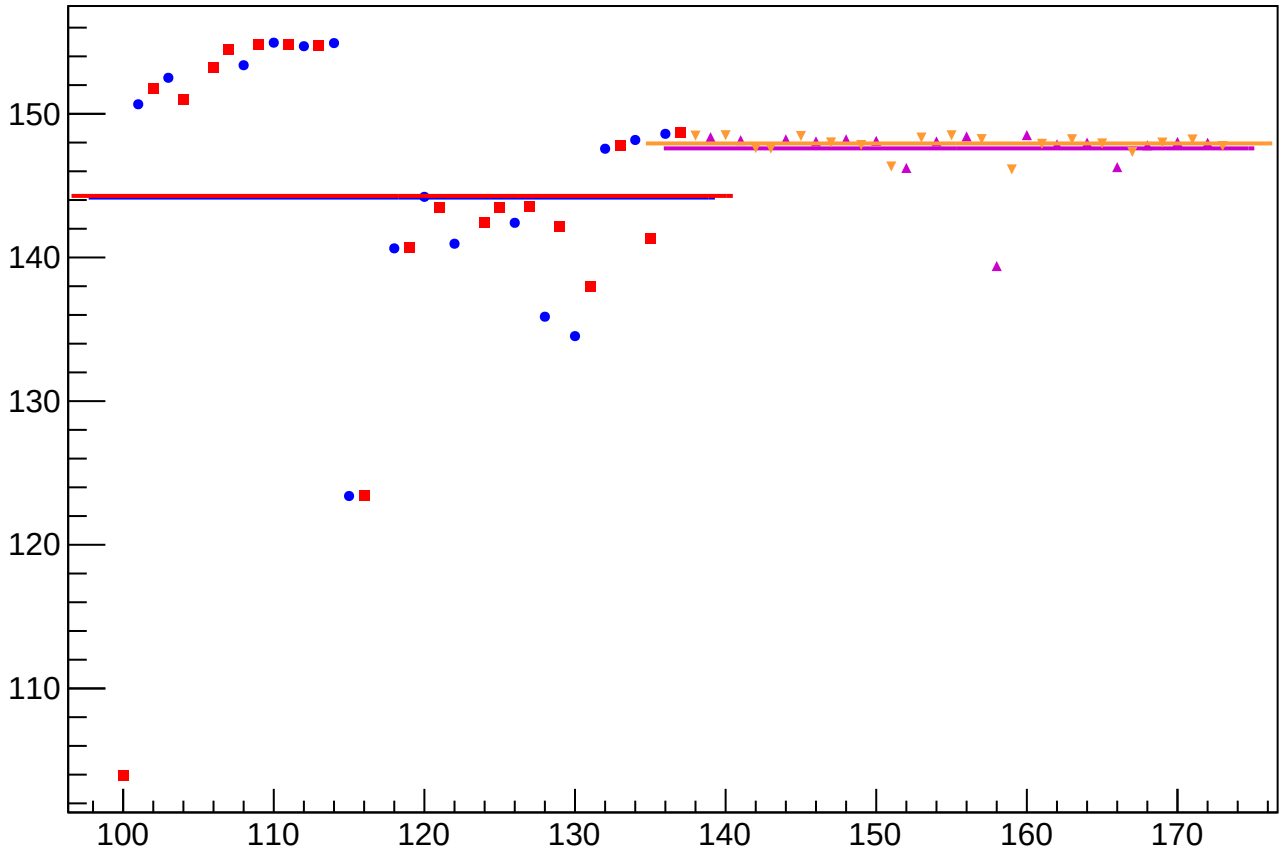
Left: 4755.006+/-0.639 χ^2/NDF: 133981.1/35

Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 4885.278+/-0.772 χ^2/NDF:210942.7/32

Out: 4856.577+/-0.744 χ^2/NDF:170964.4/37

All: 4870.397+/-0.535 χ^2/NDF: 382624.4/70



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.939+/-0.000 χ^2/NDF:34104418.7/18

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 147.595+/-0.000 χ^2/NDF:290327920.7/16

Left: 147.776+/-0.000 χ^2/NDF: 329179075.1/35

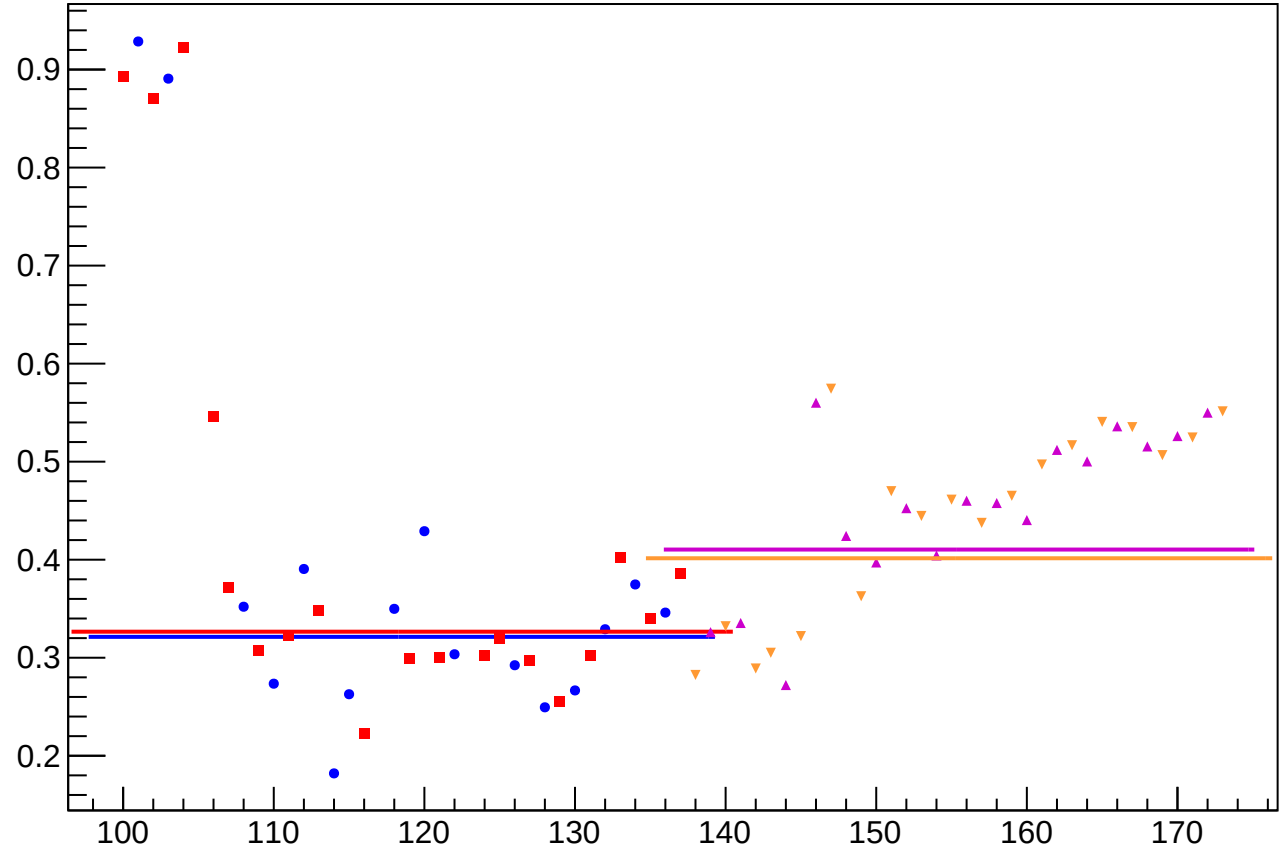
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 146.124+/-0.000 χ^2/NDF:4440346962.6/32

Out: 146.469+/-0.000 χ^2/NDF:4779801731.6/37

All: 146.301+/-0.000 χ^2/NDF: 9228374427.9

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.401+/-0.000 χ^2/NDF:1576314.2/18

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.410+/-0.000 χ^2/NDF:1236058.5/16

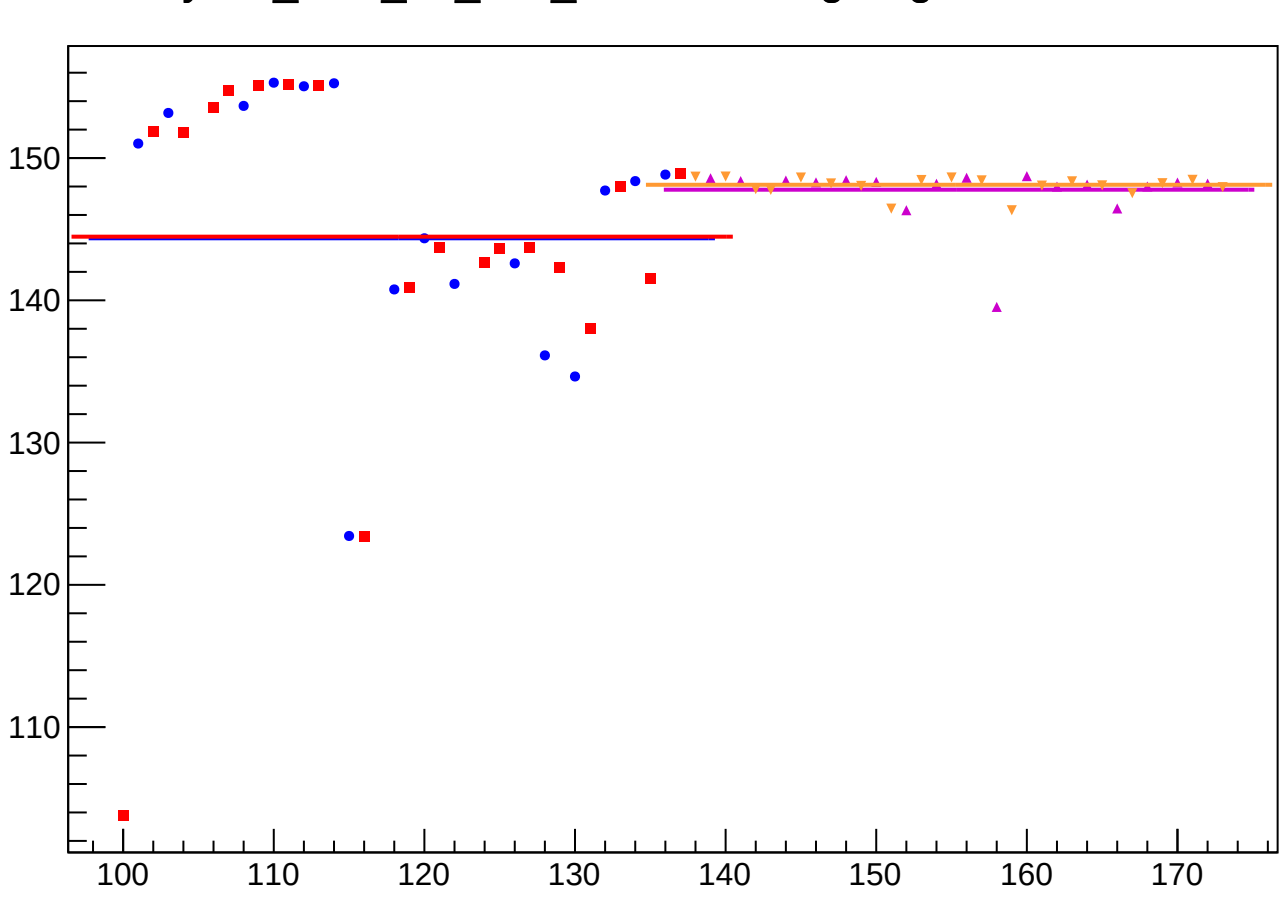
Left: 0.406+/-0.000 χ^2/NDF: 2818723.4/35

Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.372+/-0.000 χ^2/NDF:3153640.8/32

Out: 0.371+/-0.000 χ^2/NDF:3262207.4/37

All: 0.372+/-0.000 χ^2/NDF: 6415925.2/70



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.122+/-0.000 χ^2/NDF:34200539.8/18

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 147.775+/-0.000 χ^2/NDF:294805017.7/16

Left: 147.958+/-0.000 χ^2/NDF: 333802152.7/35

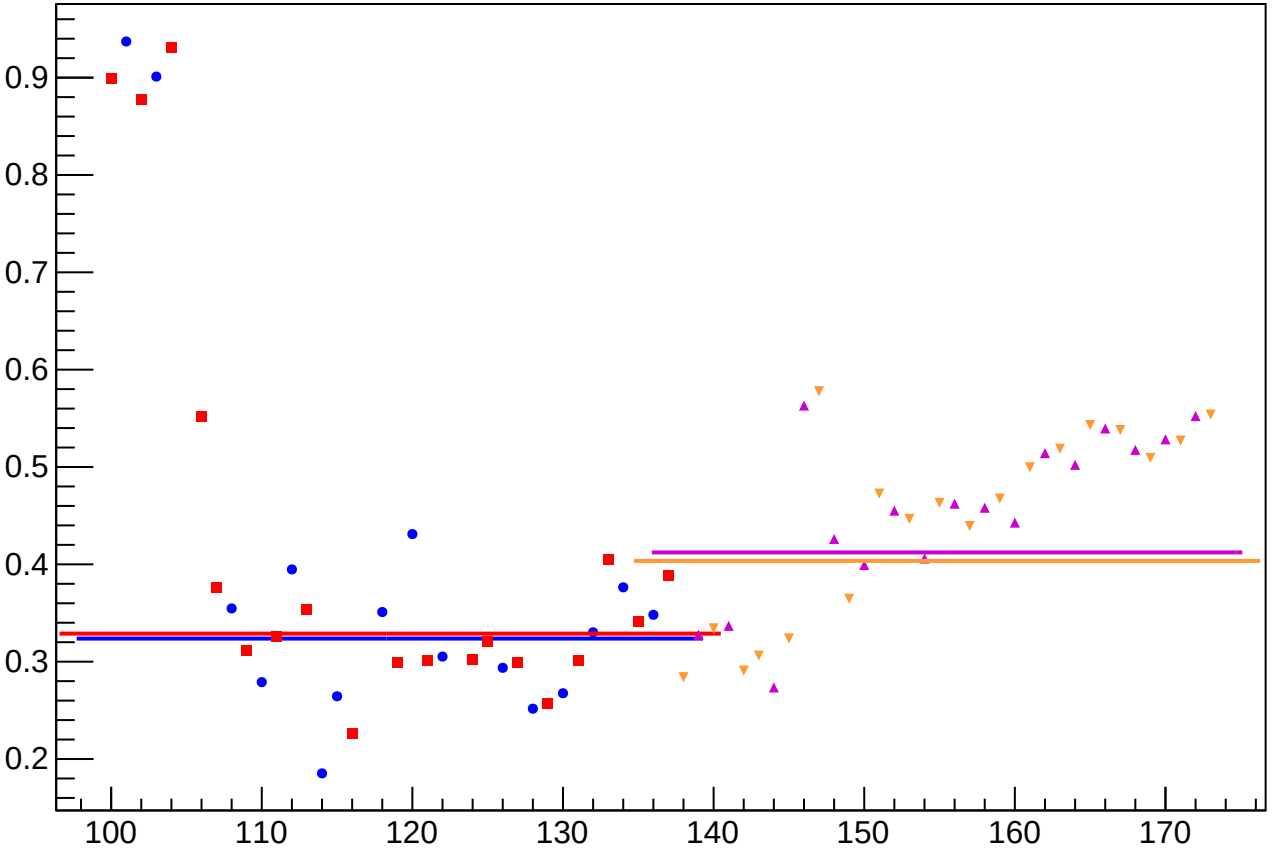
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.312+/-0.000 χ^2/NDF:4432005817.7/32

Out: 146.658+/-0.000 χ^2/NDF:4765046595.1/37

All: 146.490+/-0.000 χ^2/NDF: 9205187966.5

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.404+/-0.000 χ^2/NDF:1573305.9/18

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.412+/-0.000 χ^2/NDF:1234857.0/16

Left: 0.408+/-0.000 χ^2/NDF: 2814206.4/35

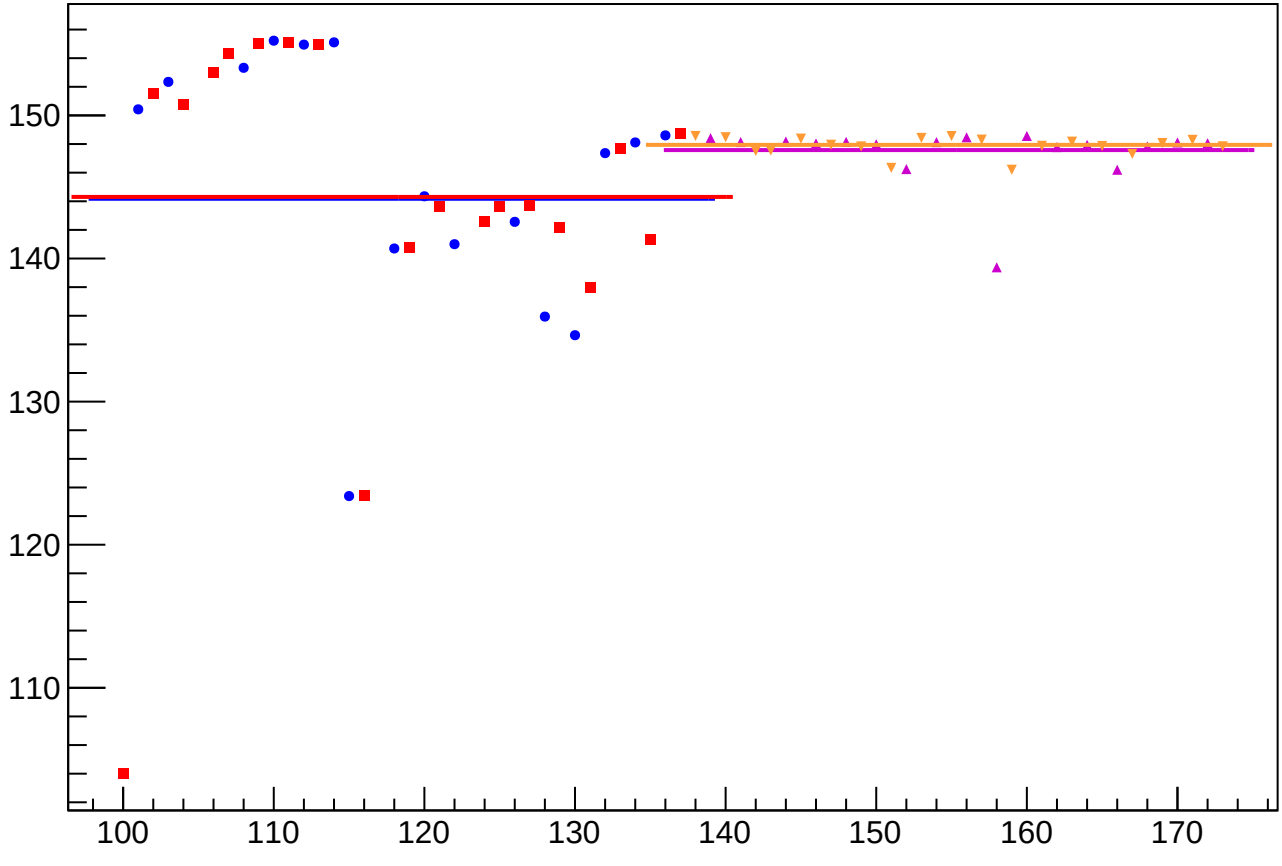
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.374+/-0.000 χ^2/NDF:3136188.1/32

Out: 0.374+/-0.000 χ^2/NDF:3253144.7/37

All: 0.374+/-0.000 χ^2/NDF: 6389414.7/70

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.942+/-0.000 χ^2/NDF:34253428.2/18

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.578+/-0.000 χ^2/NDF:289978132.9/16

Left: 147.769+/-0.000 χ^2/NDF: 329535932.2/35

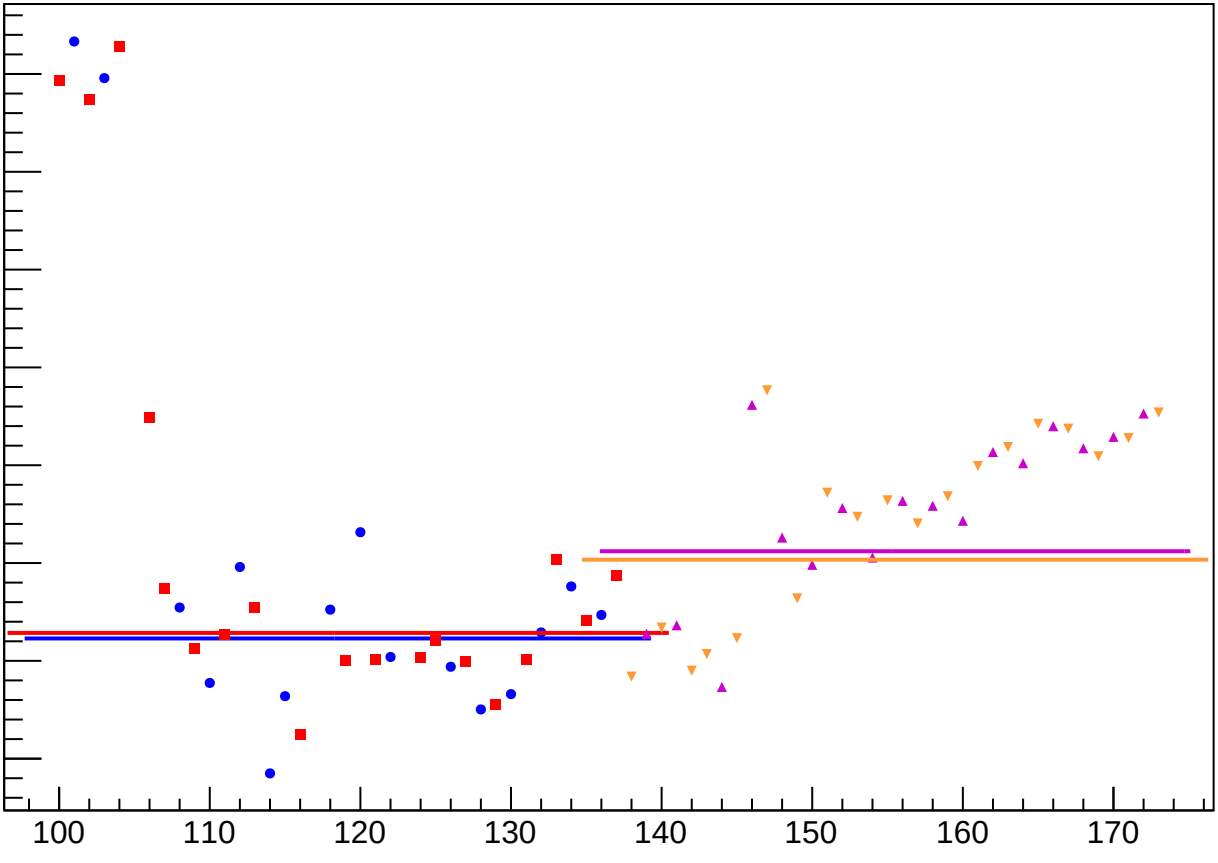
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.117+/-0.000 χ^2/NDF:4391484452.2/32

Out: 146.480+/-0.000 χ^2/NDF:4745739196.5/37

All: 146.304+/-0.000 χ^2/NDF: 9146248743.3

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.403+/-0.000 χ^2/NDF:1576033.4/18

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.412+/-0.000 χ^2/NDF:1239544.3/16

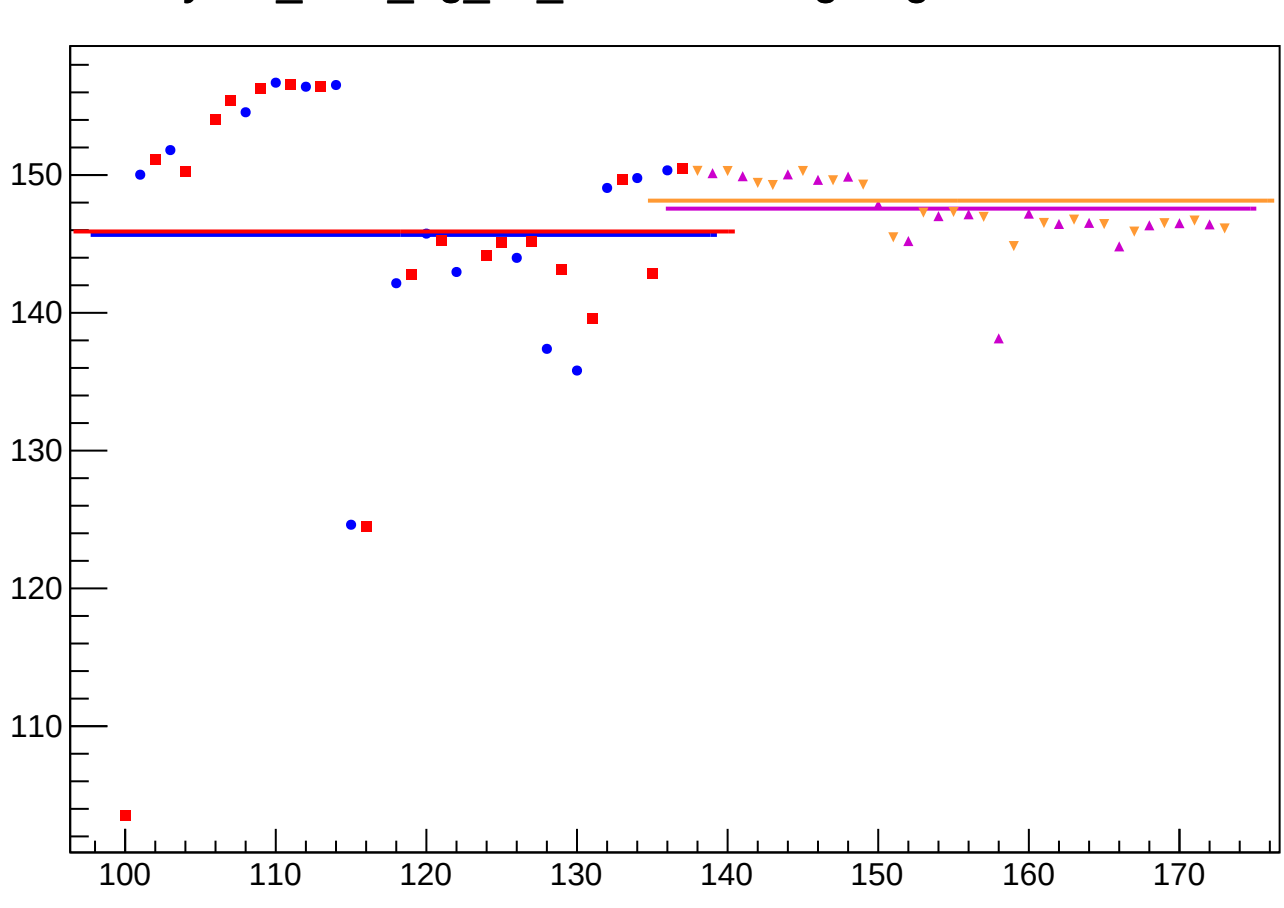
Left: 0.408+/-0.000 χ^2/NDF: 2821548.4/35

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.374+/-0.000 χ^2/NDF:3153475.0/32

Out: 0.373+/-0.000 χ^2/NDF:3258553.7/37

All: 0.374+/-0.000 χ^2/NDF: 6412054.7/70



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 148.143+/-0.000 χ^2/NDF:258487118.8/18

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 147.562+/-0.000 χ^2/NDF:558962313.1/16

Left: 147.866+/-0.000 χ^2/NDF: 830022596.8/35

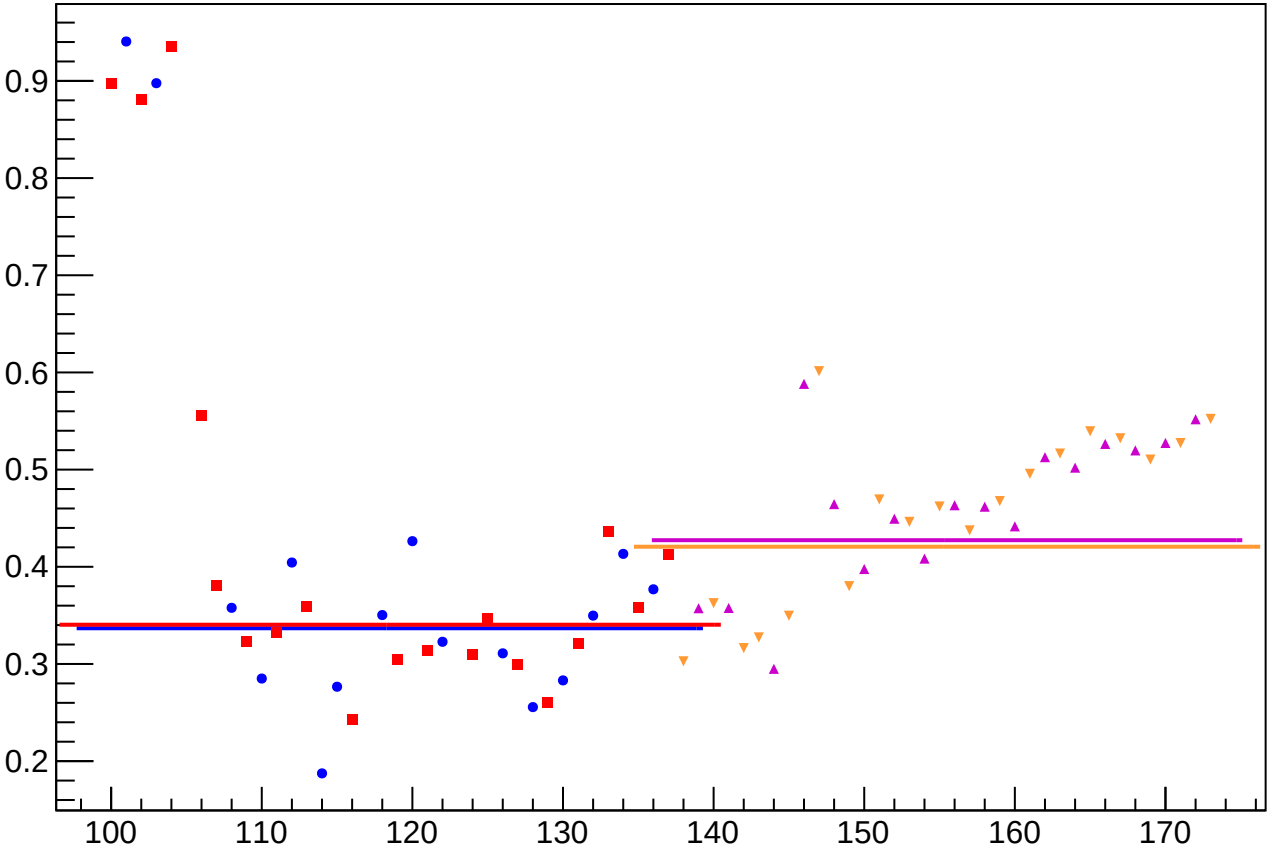
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.754+/-0.000 χ^2/NDF:4150116374.4/32

Out: 147.243+/-0.000 χ^2/NDF:4278977776.7/37

All: 147.005+/-0.000 χ^2/NDF: 8444253769.5

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.421+/-0.000 χ^2/NDF:1176465.4/18

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.427+/-0.000 χ^2/NDF:949038.6/16

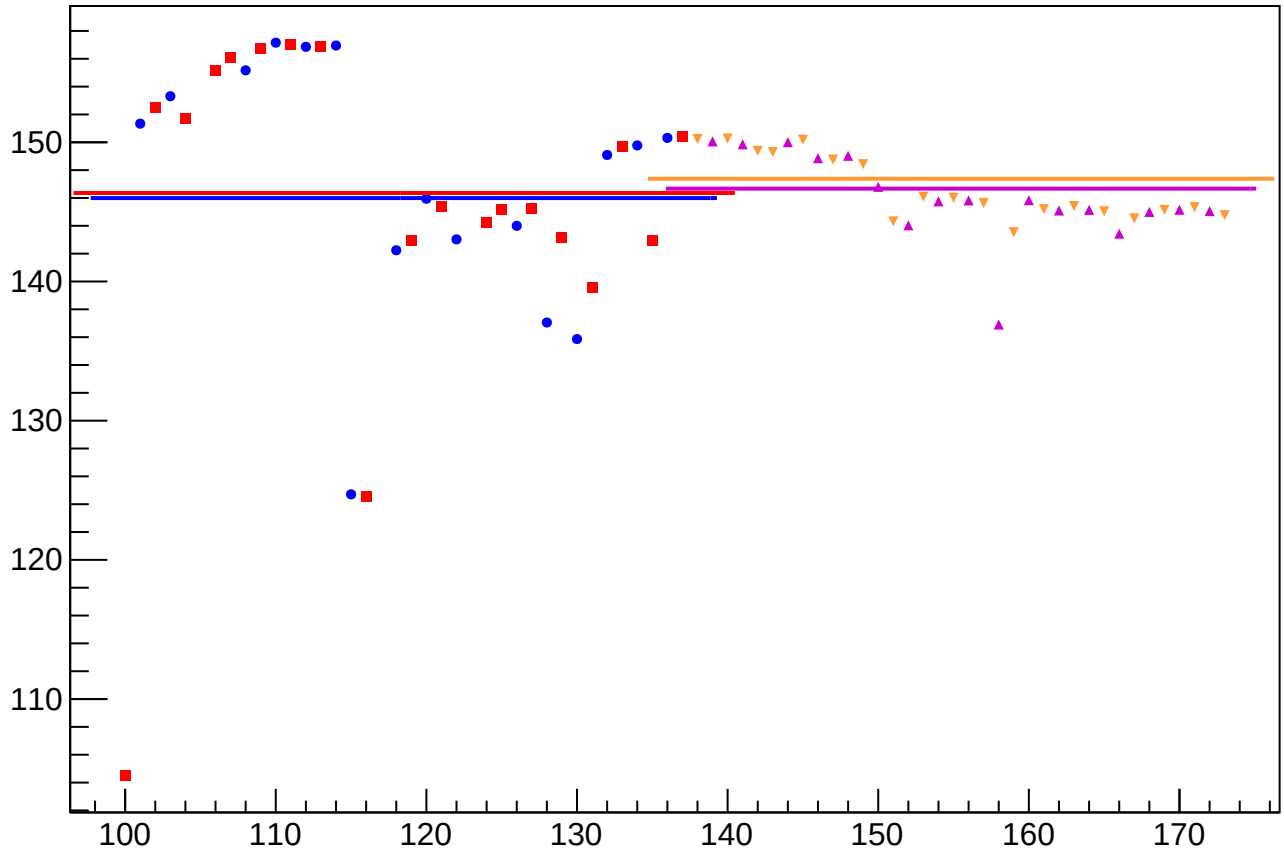
Left: 0.424+/-0.000 χ^2/NDF: 2128877.0/35

Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.389+/-0.000 χ^2/NDF:2815782.8/32

Out: 0.388+/-0.000 χ^2/NDF:2856172.6/37

All: 0.389+/-0.000 χ^2/NDF: 5671998.6/70



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 147.382+/-0.000 χ^2/NDF:439088752.0/18

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 146.671+/-0.000 χ^2/NDF:742963850.2/16

Left: 147.043+/-0.000 χ^2/NDF: 1200825245.6/35

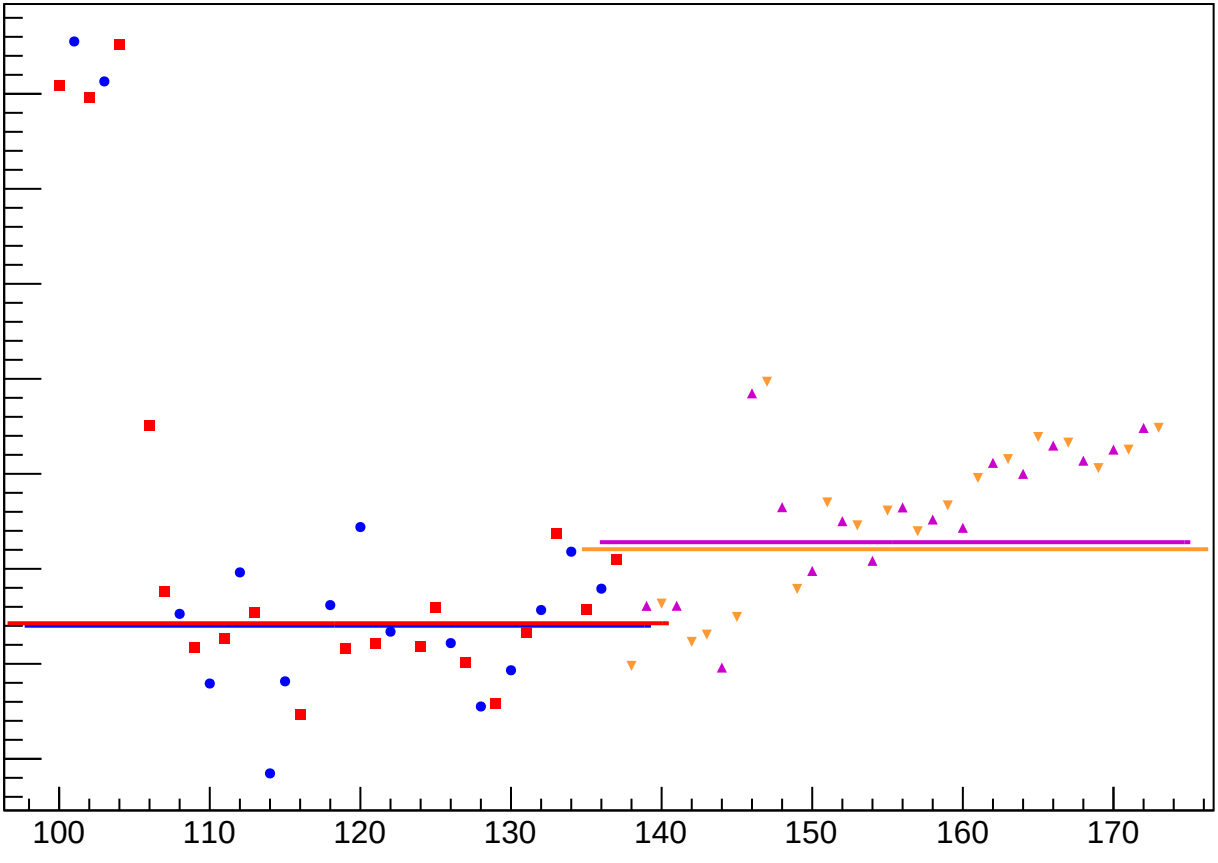
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 146.387+/-0.000 χ^2/NDF:4378311395.4/32

Out: 146.974+/-0.000 χ^2/NDF:4434795042.5/37

All: 146.689+/-0.000 χ^2/NDF: 8834799296.4

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.421+/-0.000 χ^2/NDF:1159694.9/18

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.428+/-0.000 χ^2/NDF:905562.7/16

Left: 0.424+/-0.000 χ^2/NDF: 2069352.5/35

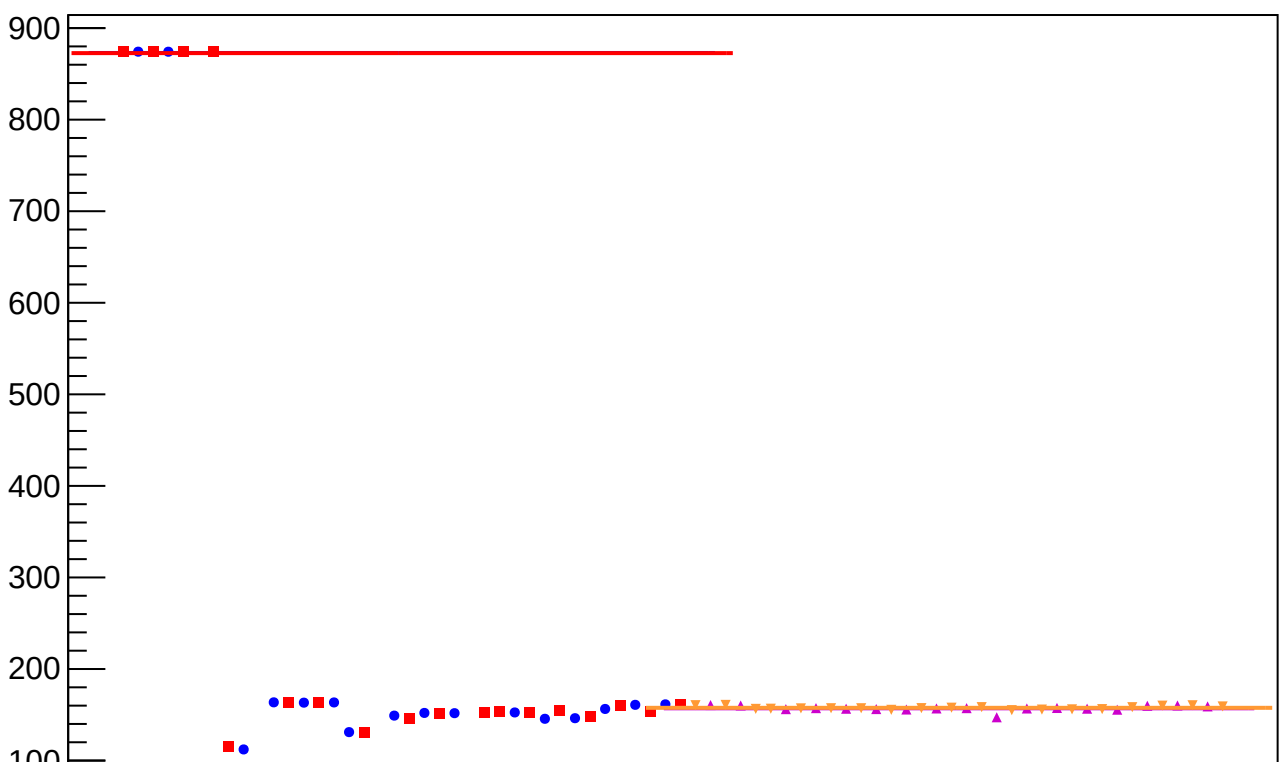
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.391+/-0.000 χ^2/NDF:2758770.2/32

Out: 0.390+/-0.000 χ^2/NDF:2808341.2/37

All: 0.390+/-0.000 χ^2/NDF: 5567451.1/70

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.614+/-0.000 χ^2/NDF:90290725.1/18

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 157.071+/-0.000 χ^2/NDF:201017151.4/16

Left: 157.353+/-0.000 χ^2/NDF: 295021404.1/35

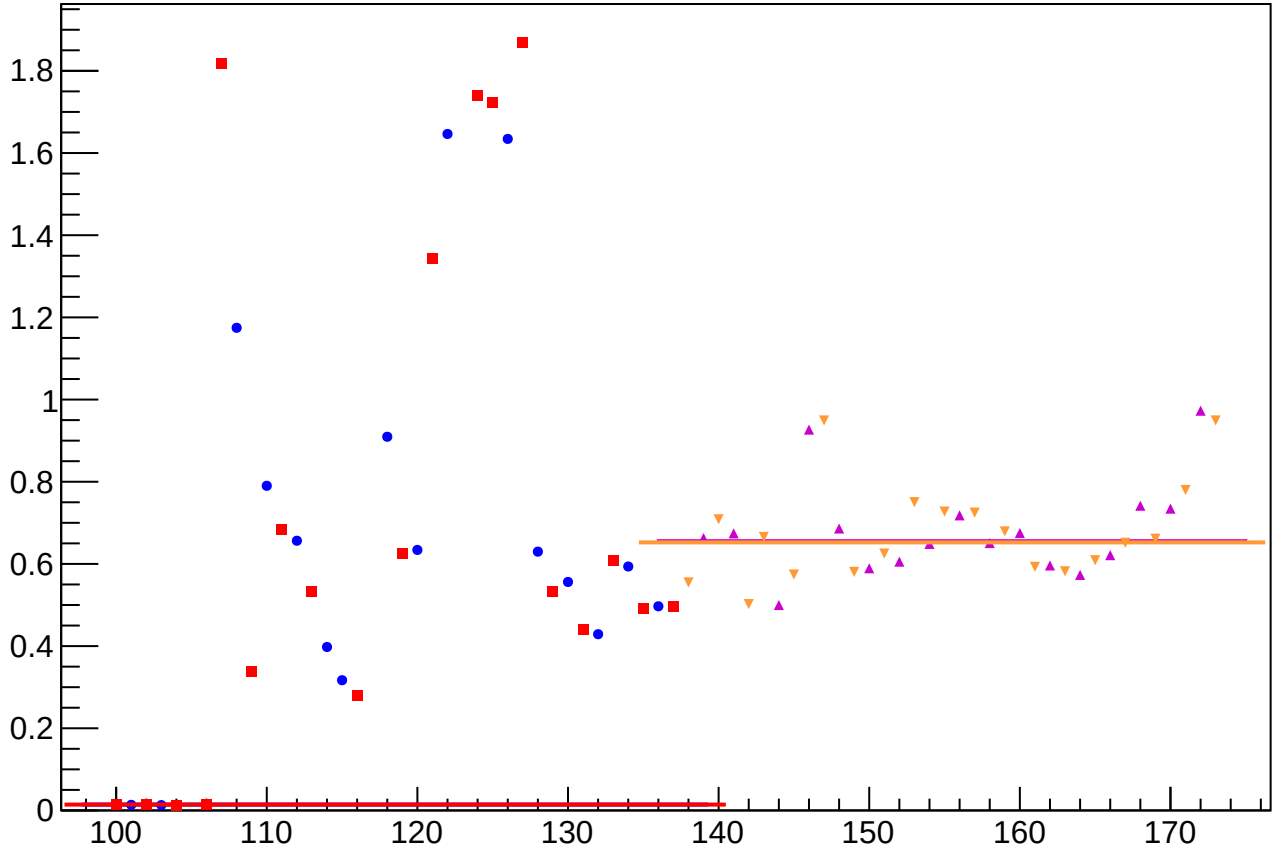
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 870.400+/-0.000 χ^2/NDF:19540136138559.5/3

Out: 870.395+/-0.000 χ^2/NDF:22556574253591.9

All: 870.397+/-0.000 χ^2/NDF: 42096710513

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.652+/-0.000 χ^2/NDF:489975.4/18

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.655+/-0.000 χ^2/NDF:451356.3/16

Left: 0.654+/-0.000 χ^2/NDF: 941546.4/35

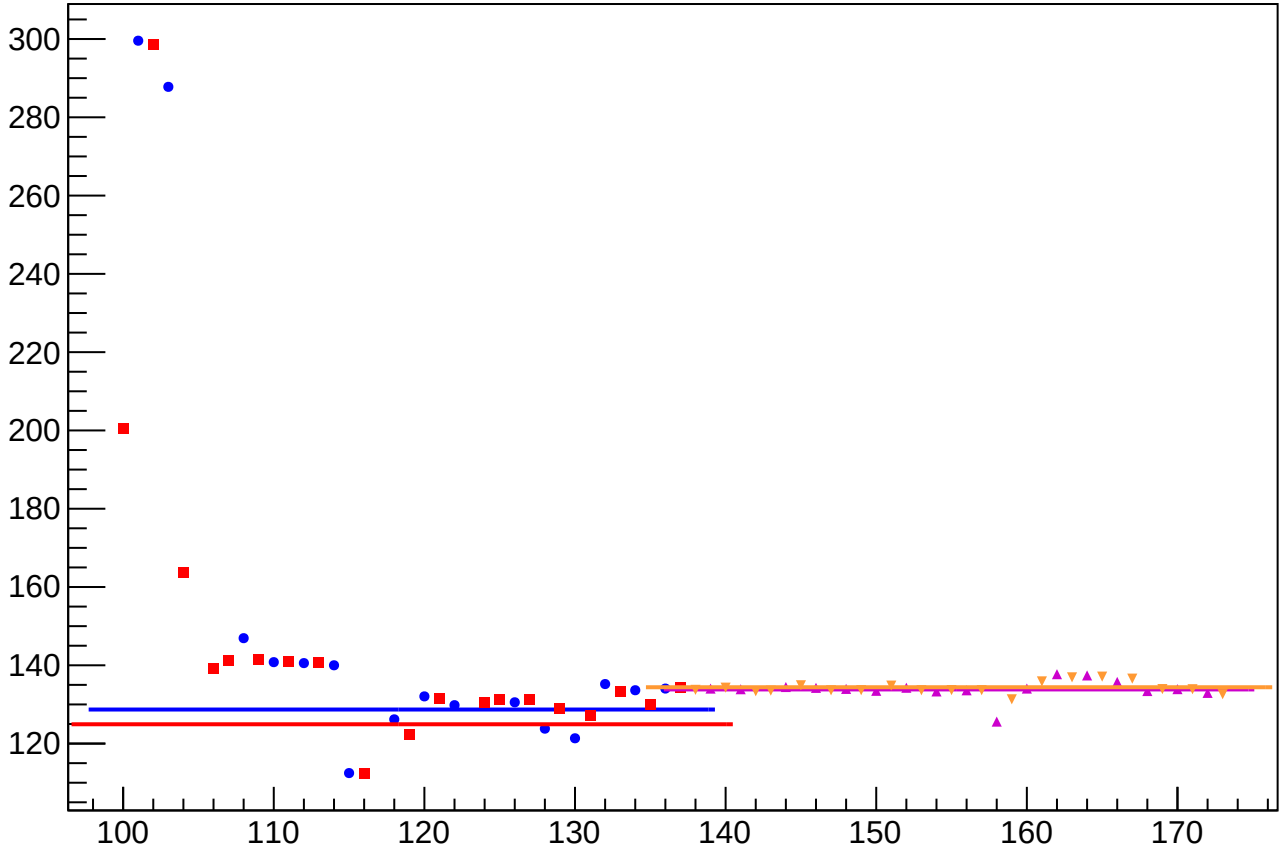
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.017+/-0.000 χ^2/NDF:29877865.9/32

Out: 0.016+/-0.000 χ^2/NDF:31228736.0/37

All: 0.016+/-0.000 χ^2/NDF: 61107175.3/70

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.392+/-0.000 χ^2/NDF:120476496.3/18

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 133.833+/-0.000 χ^2/NDF:368821289.1/16

Left: 134.128+/-0.000 χ^2/NDF: 497265270.7/35

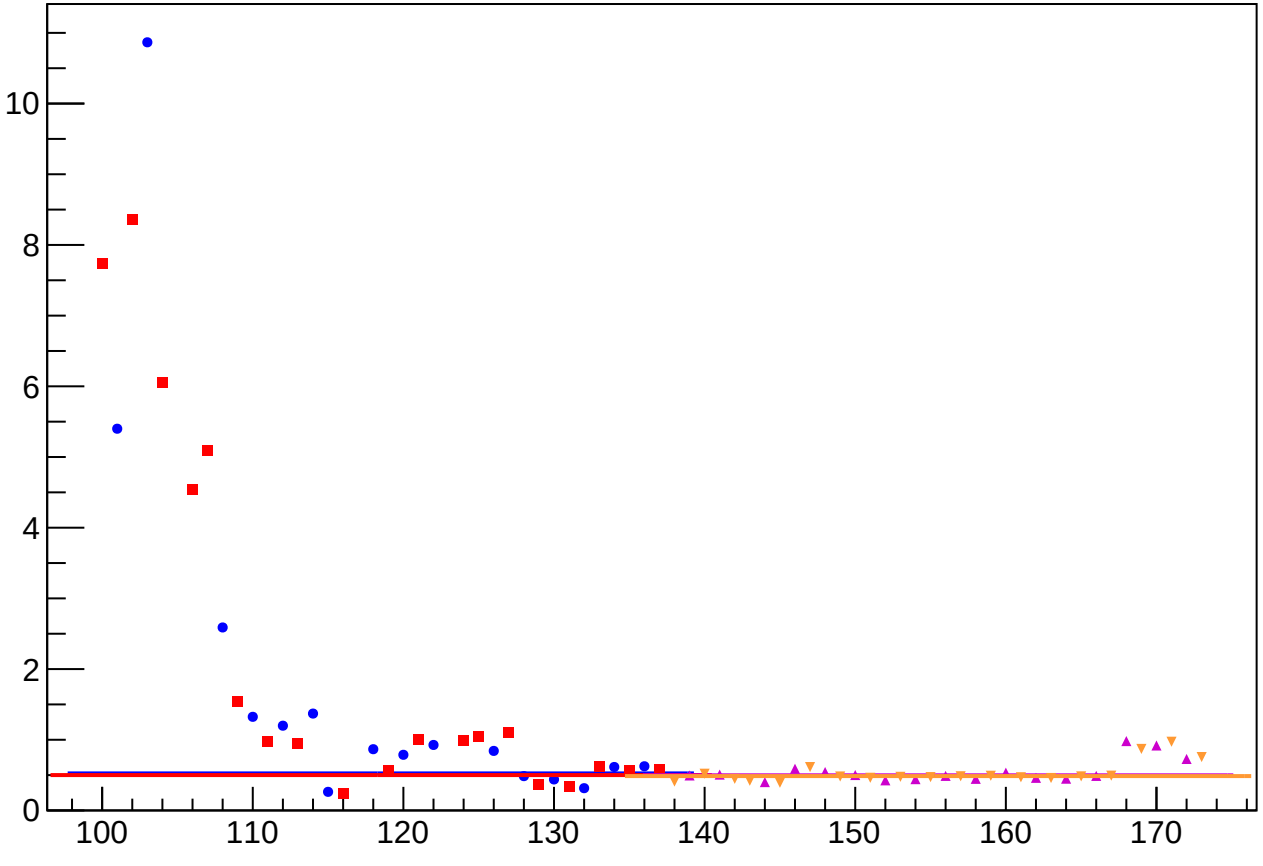
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 132.718+/-0.000 χ^2/NDF:2300597629.4/32

Out: 132.442+/-0.000 χ^2/NDF:2514383029.4/37

All: 132.573+/-0.000 χ^2/NDF: 4817452233.8

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.486+/-0.000 χ^2/NDF:1039331.5/18

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.497+/-0.000 χ^2/NDF:1076510.4/16

Left: 0.491+/-0.000 χ^2/NDF: 2122055.8/35

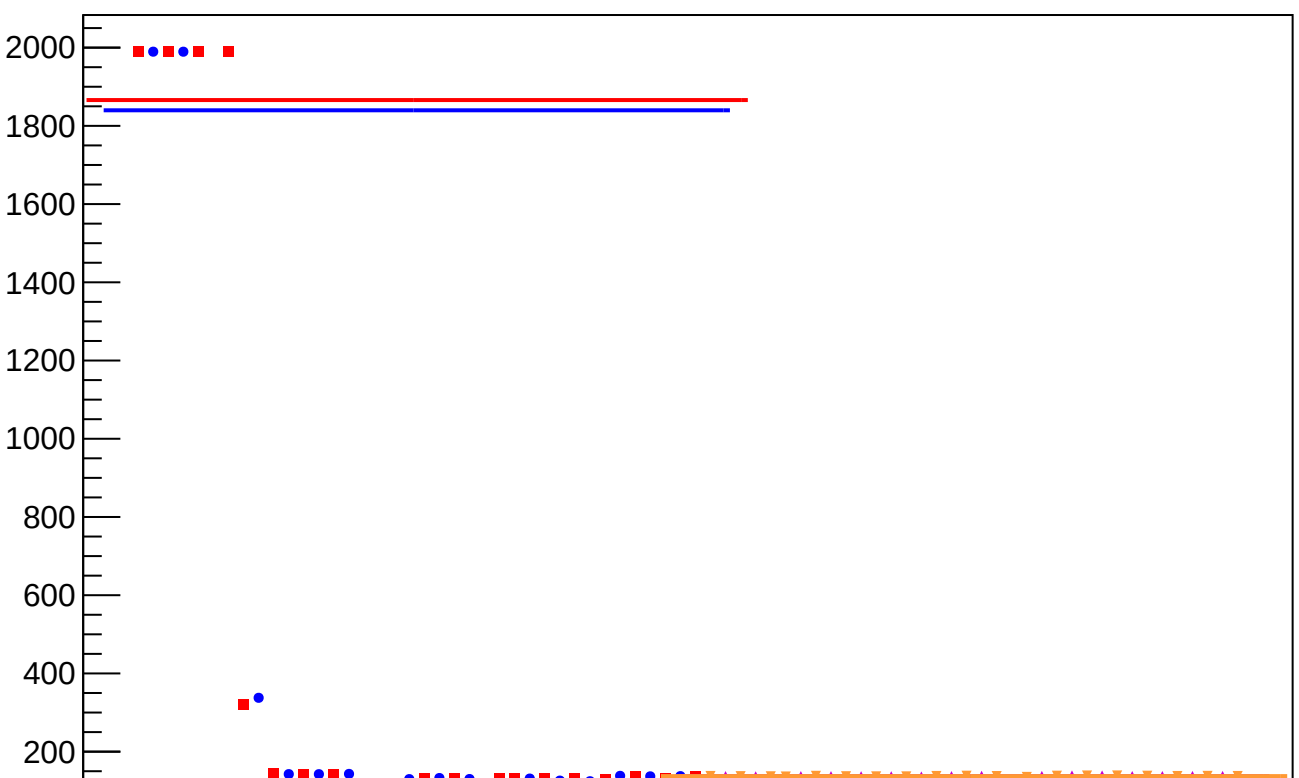
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.503+/-0.000 χ^2/NDF:5229963.9/32

Out: 0.489+/-0.000 χ^2/NDF:5928048.2/37

All: 0.496+/-0.000 χ^2/NDF: 11170517.6/70

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.502+/-0.000 χ^2/NDF:59316278.9/18

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 137.254+/-0.000 χ^2/NDF:228983894.4/16

Left: 137.385+/-0.000 χ^2/NDF: 290632952.3/35

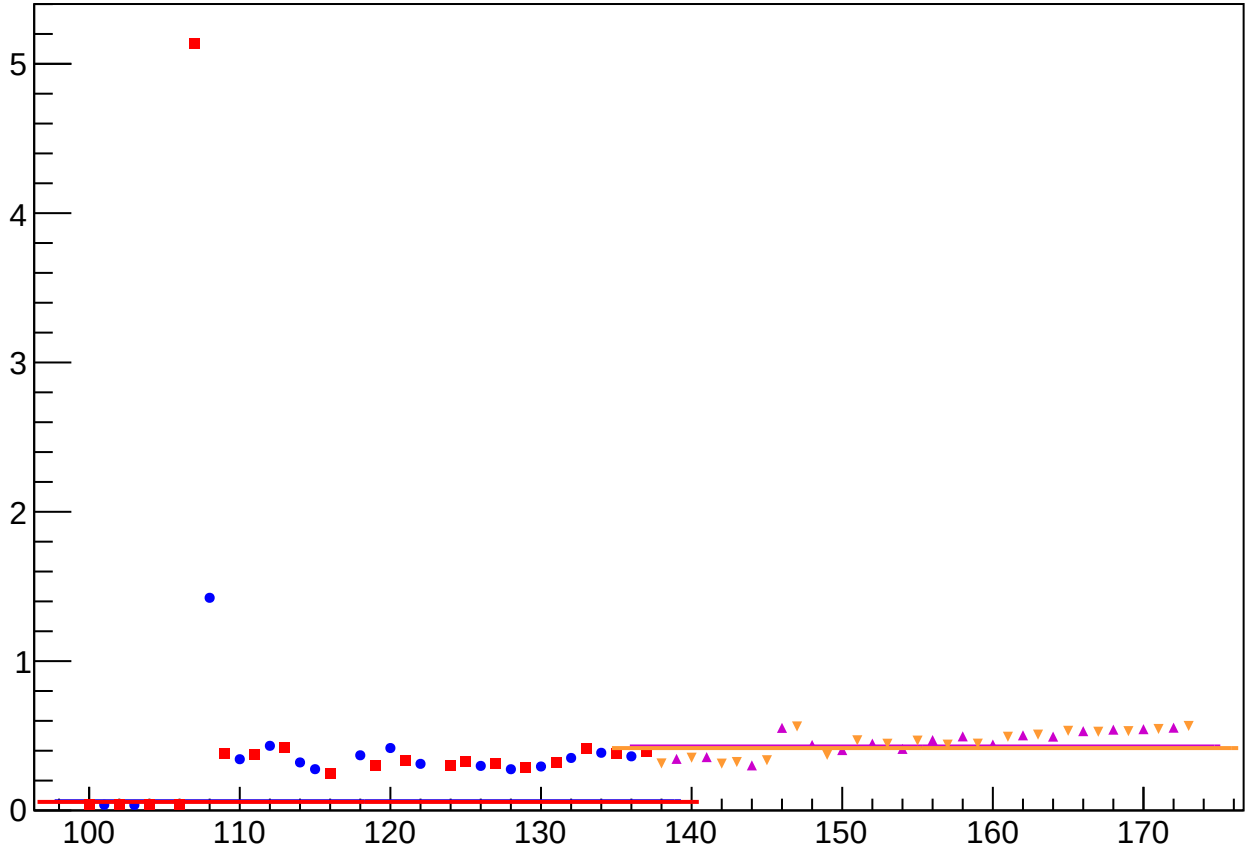
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1650.737+/-0.000 χ^2/NDF:329478785350224.

Out: 1681.029+/-0.000 χ^2/NDF:355640410335555

All: 1667.020+/-0.000 χ^2/NDF: 6854356566

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.418+/-0.000 χ^2/NDF:1190500.4/18

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.428+/-0.000 χ^2/NDF:939093.4/16

Left: 0.423+/-0.000 χ^2/NDF: 2138317.3/35

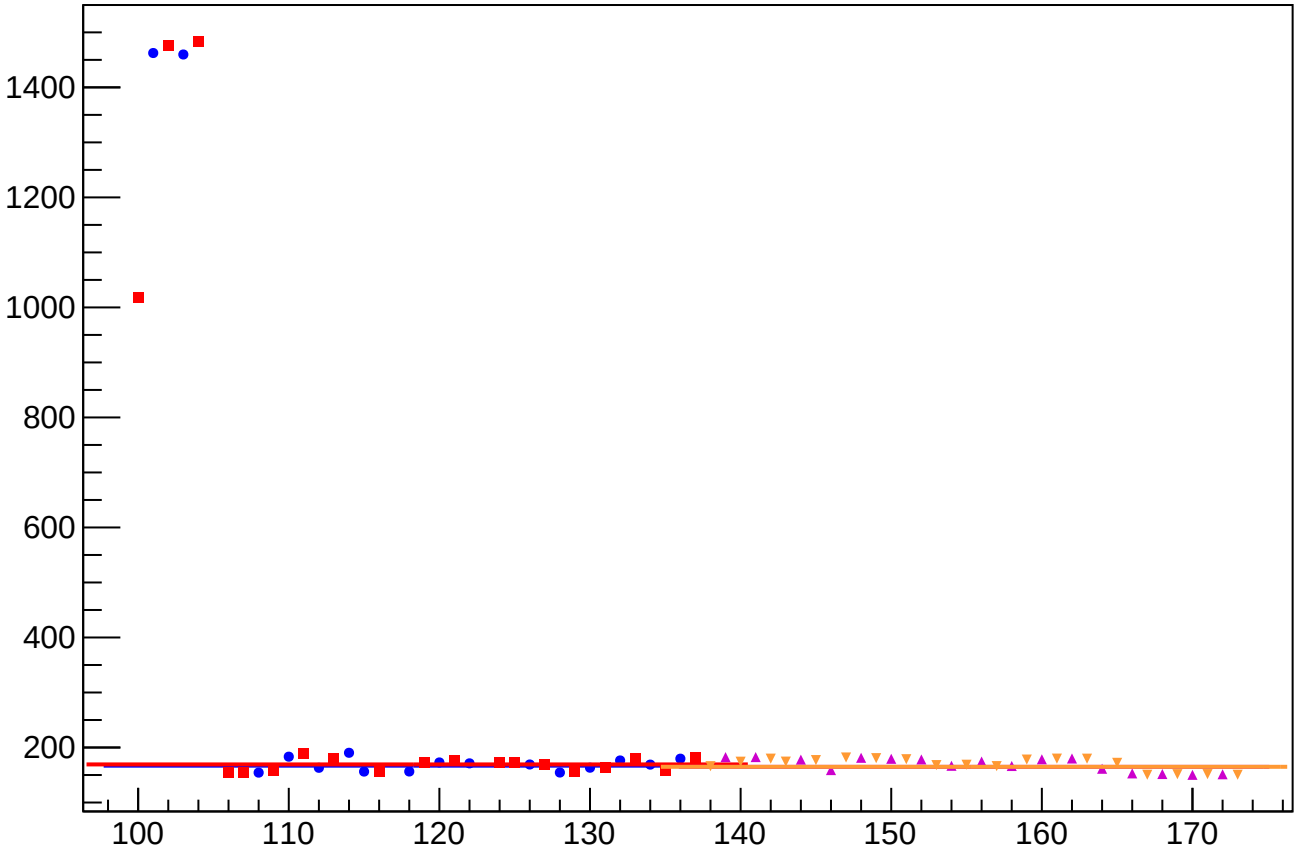
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.102+/-0.000 χ^2/NDF:26140842.2/32

Out: 0.096+/-0.000 χ^2/NDF:27440539.8/37

All: 0.099+/-0.000 χ^2/NDF: 53611784.0/70

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 164.929+/-0.000 χ^2/NDF:2554887281.6/18

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 164.765+/-0.000 χ^2/NDF:2529948918.2/16

Left: 164.851+/-0.000 χ^2/NDF: 5085063634.8/35

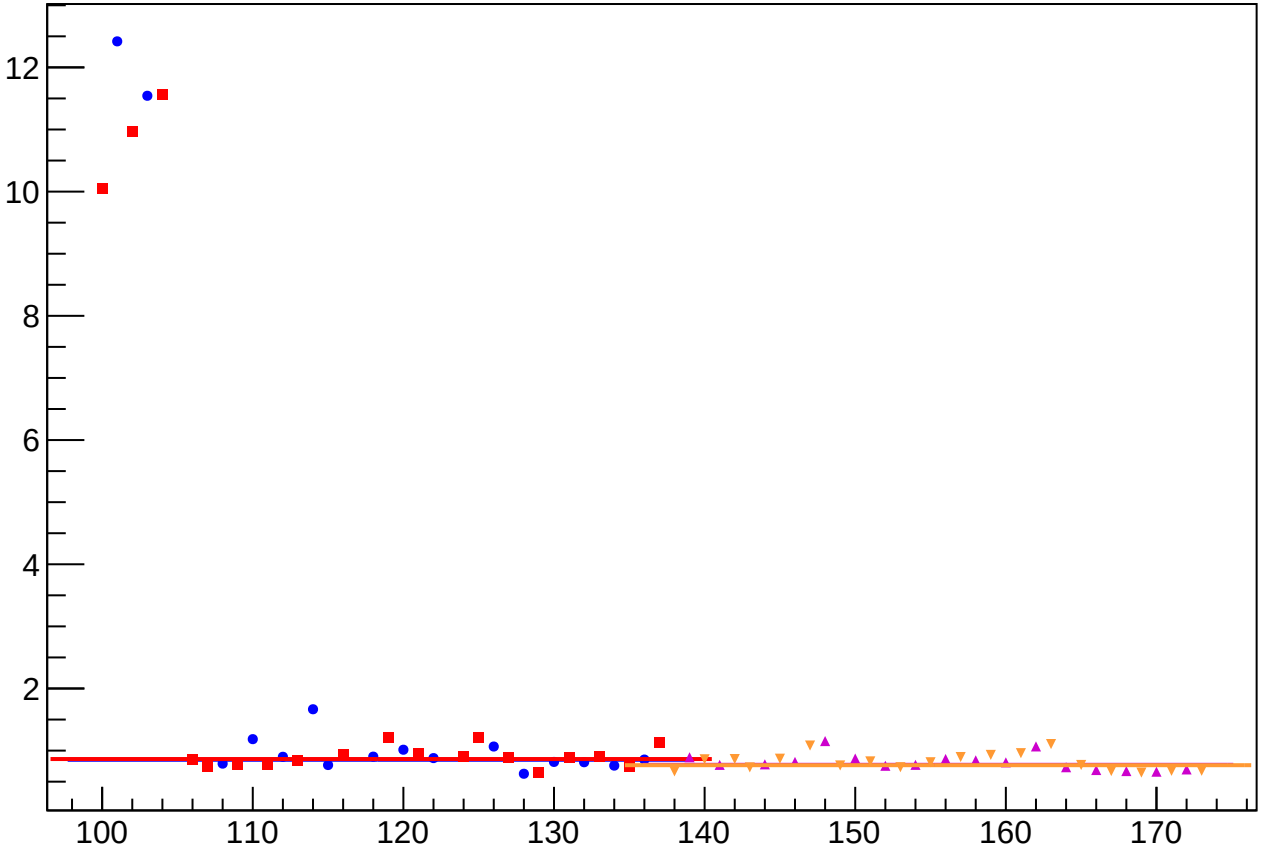
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 165.322+/-0.000 χ^2/NDF:17165137822.8/32

Out: 165.956+/-0.000 χ^2/NDF:18950283460.4/37

All: 165.650+/-0.000 χ^2/NDF: 36119870426.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.765+/-0.000 χ^2/NDF:500211.9/18

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.771+/-0.000 χ^2/NDF:386879.8/16

Left: 0.768+/-0.000 χ^2/NDF: 887714.0/35

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.792+/-0.000 χ^2/NDF:2742290.9/32

Out: 0.789+/-0.000 χ^2/NDF:2791006.2/37

All: 0.790+/-0.000 χ^2/NDF: 5533470.8/70

Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 166285.952+/-0.050 χ^2/NDF:55759171910.9/18

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 166030.095+/-0.053 χ^2/NDF:51155818373.2/16

Left: 166164.307+/-0.036 χ^2/NDF: 106927432468.

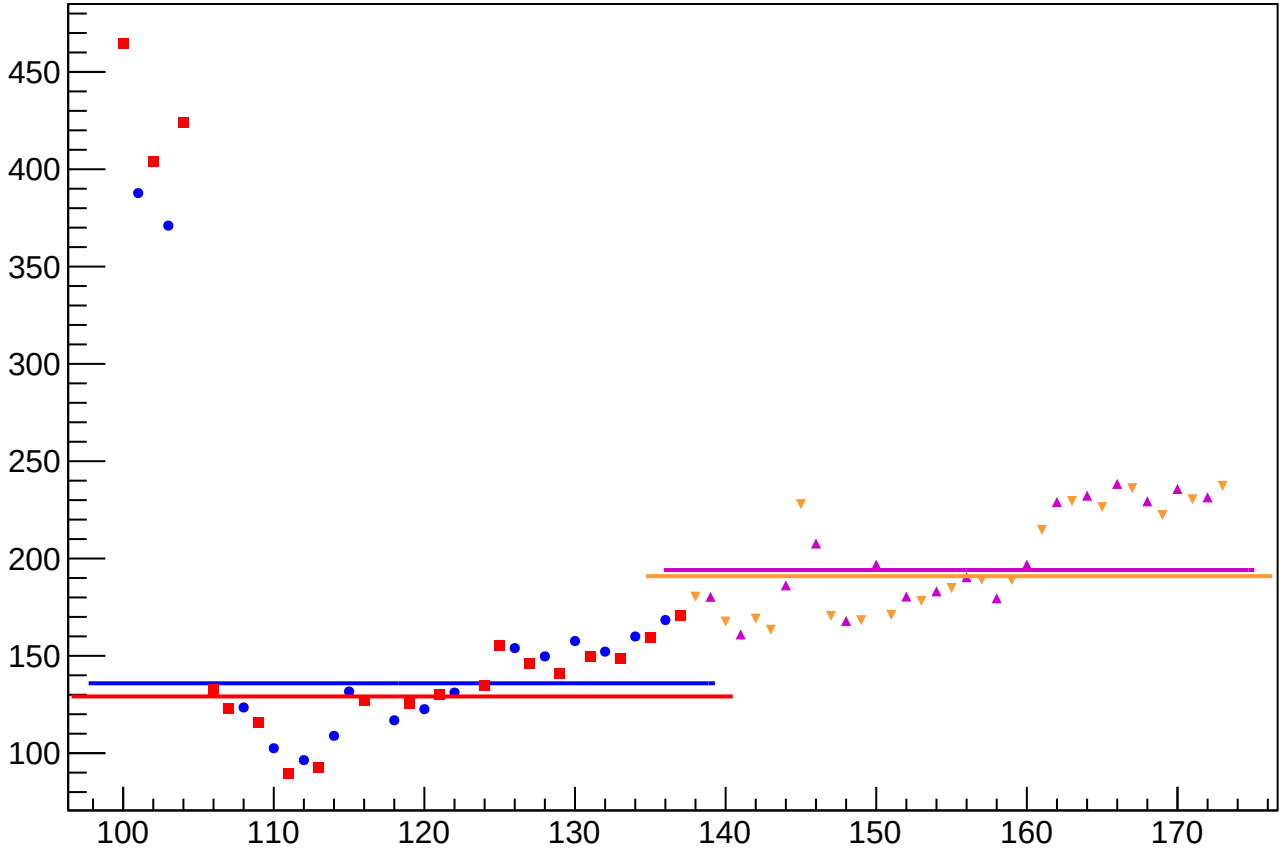
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 158598.804+/-0.038 χ^2/NDF:93024371961.3/3

Out: 158574.348+/-0.036 χ^2/NDF:104431853347.

All: 158585.859+/-0.026 χ^2/NDF: 19745644

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 190.936+/-0.035 χ^2/NDF:520372.5/18

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 194.088+/-0.037 χ^2/NDF:405601.5/16

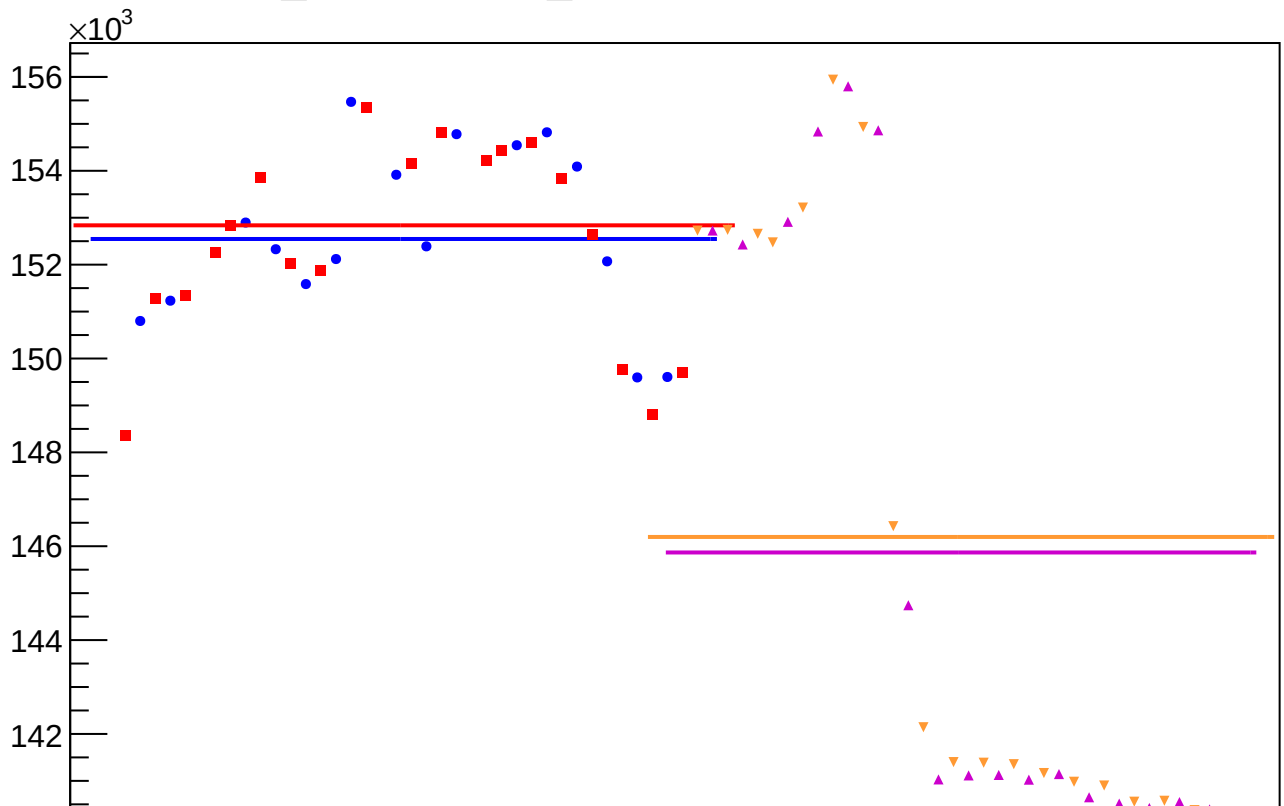
Left: 192.435+/-0.026 χ^2/NDF: 929750.3/35

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 166.119+/-0.027 χ^2/NDF:3001382.0/32

Out: 160.625+/-0.025 χ^2/NDF:3632528.3/37

All: 163.211+/-0.018 χ^2/NDF: 6656202.0/70



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 146197.525+/-0.054 χ^2/NDF:11893744629.4/18

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 145866.882+/-0.056 χ^2/NDF:11641393503.0/16

Left: 146038.855+/-0.039 χ^2/NDF: 23553134968.5

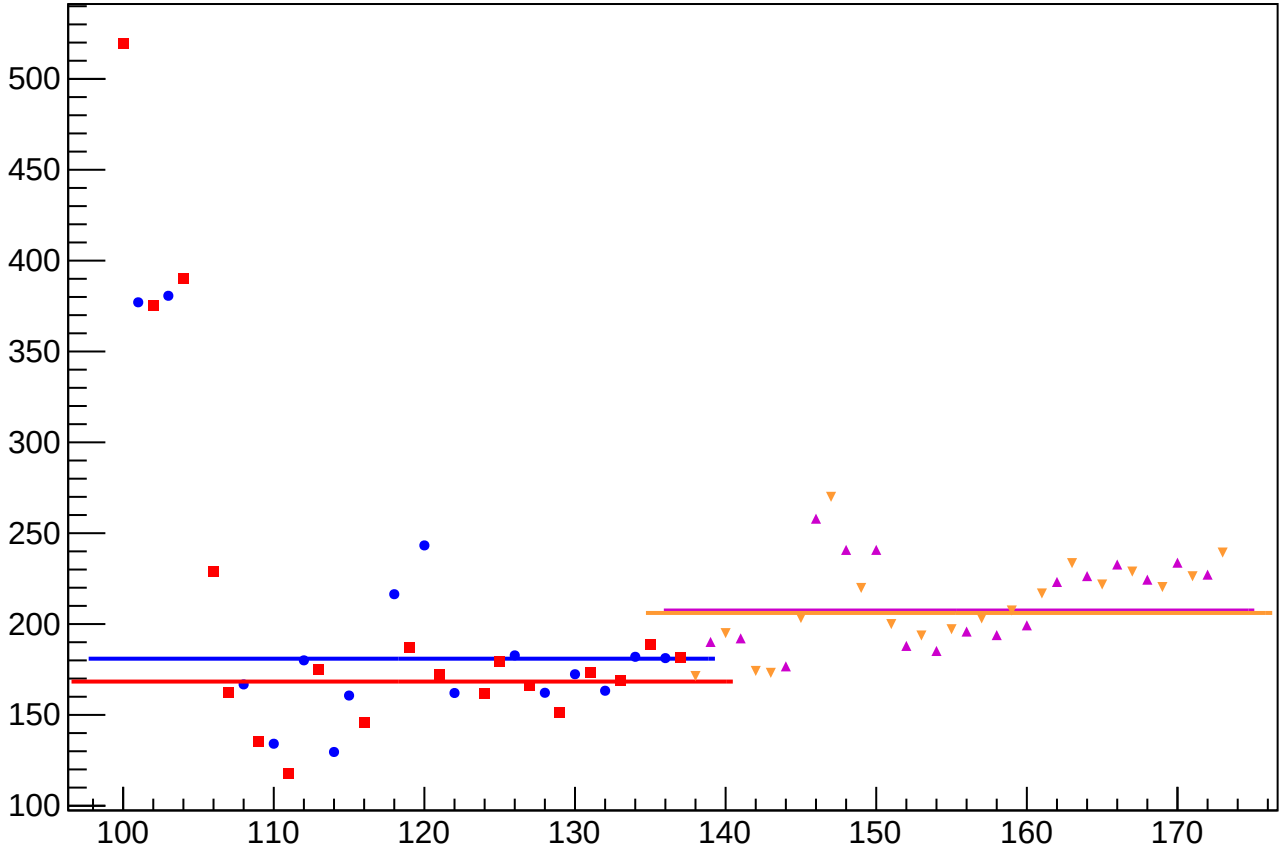
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 148369.790+/-0.044 χ^2/NDF:17587660178.0/3

Out: 148828.100+/-0.042 χ^2/NDF:18622800156.5

All: 148612.157+/-0.031 χ^2/NDF: 36266827

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 206.113+/-0.038 χ^2/NDF:361775.7/18

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 207.450+/-0.040 χ^2/NDF:342606.9/16

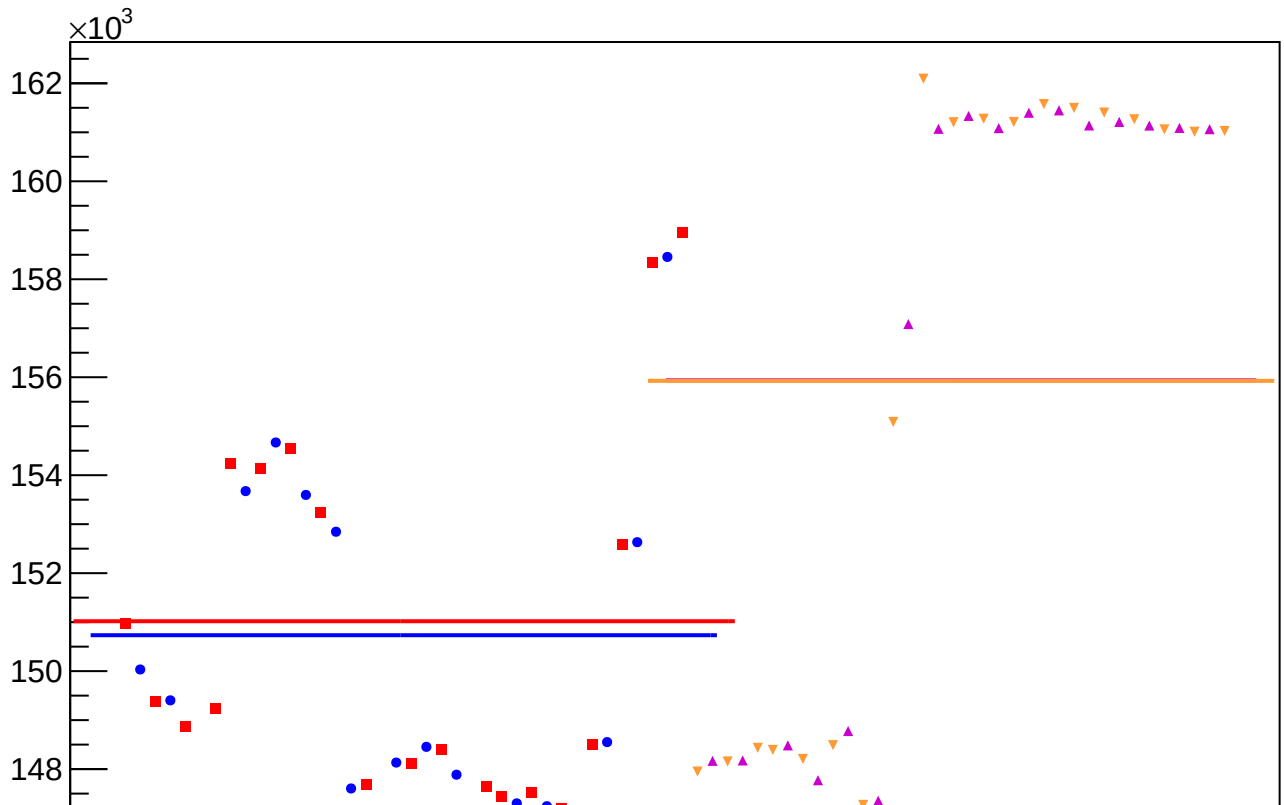
Left: 206.755+/-0.028 χ^2/NDF: 704971.1/35

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 197.517+/-0.031 χ^2/NDF:1417069.4/32

Out: 191.153+/-0.030 χ^2/NDF:1838470.6/37

All: 194.151+/-0.022 χ^2/NDF: 3277217.9/70



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 155926.278+/-0.052 χ^2/NDF:14511220001.4/18

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 155937.596+/-0.055 χ^2/NDF:12637245963.7/16

Left: 155931.645+/-0.038 χ^2/NDF: 27148488178.4

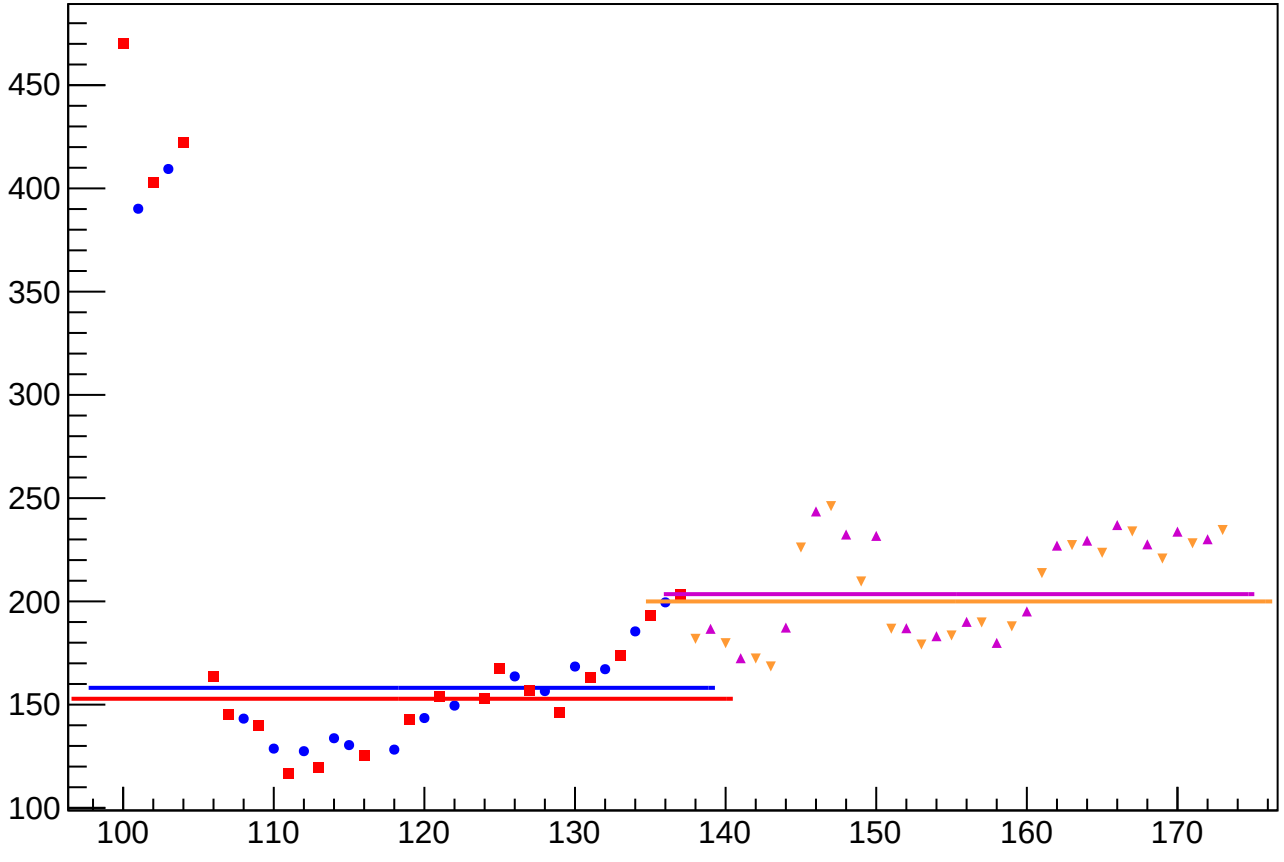
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 153679.533+/-0.041 χ^2/NDF:19796755564.0/3

Out: 153809.913+/-0.039 χ^2/NDF:21595753074.7

All: 153747.936+/-0.029 χ^2/NDF: 41397041

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 199.975+/-0.037 χ^2/NDF:401813.2/18

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 203.508+/-0.039 χ^2/NDF:381604.4/16

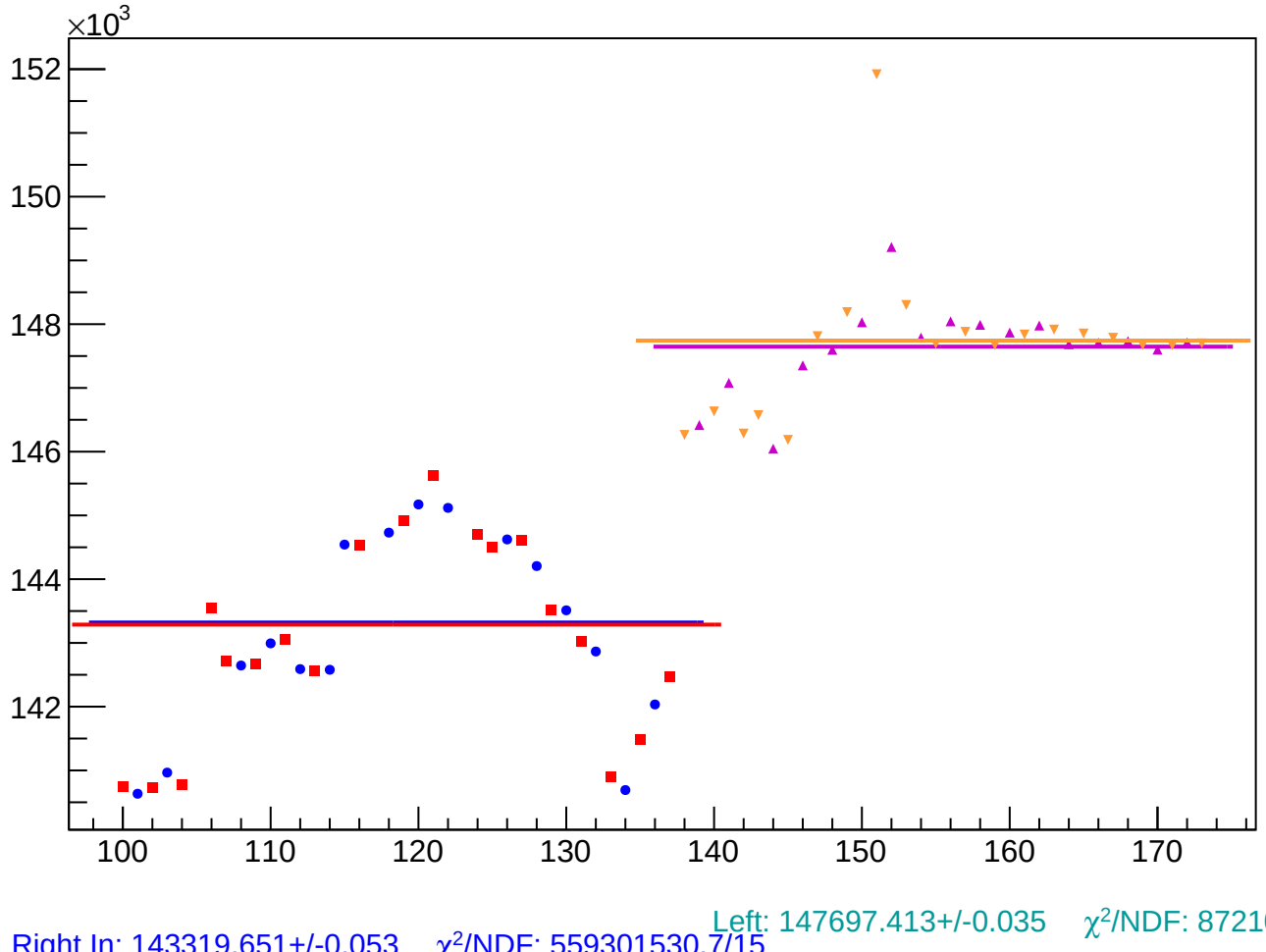
Left: 201.651+/-0.027 χ^2/NDF: 787746.0/35

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

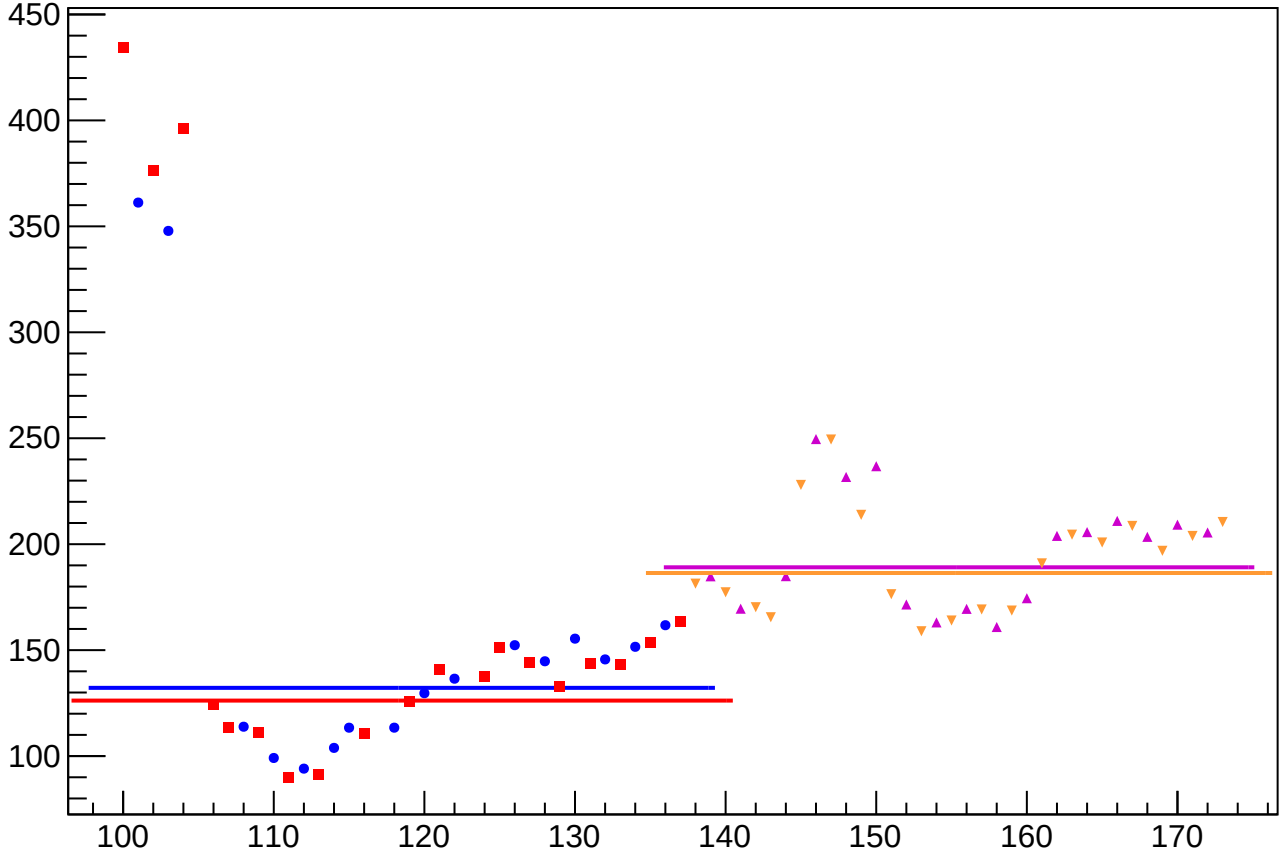
In: 183.823+/-0.029 χ^2/NDF:2166412.6/32

Out: 179.650+/-0.028 χ^2/NDF:2366752.7/37

All: 181.633+/-0.020 χ^2/NDF: 4543809.1/70


yield_bpm0i01aWS_mean vs Slug, Sign Corrected
×10^3
152
150
148
146
144
142
100
110
120
130
140
150
160
170
Right In: 143319.651+/-0.053 χ²/NDF: 559301530.7/15
Left Out: 147742.472+/-0.049 χ²/NDF:670745716.1/18
Right Out: 143286.960+/-0.050 χ²/NDF: 620521577.8/18
Left In: 147647.629+/-0.051 χ²/NDF:199564838.0/16
Left: 147697.413+/-0.035 χ²/NDF: 872106178.7/35
Right: 143302.220+/-0.036 χ²/NDF: 1180025024.1/
In: 145560.111+/-0.037 χ²/NDF:4194730181.8/32
Out: 145556.413+/-0.035 χ²/NDF:5383747777.3/3
All: 145558.155+/-0.025 χ²/NDF: 95784832

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 186.406+/-0.034 χ^2/NDF:418135.5/18

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 189.094+/-0.036 χ^2/NDF:465708.1/16

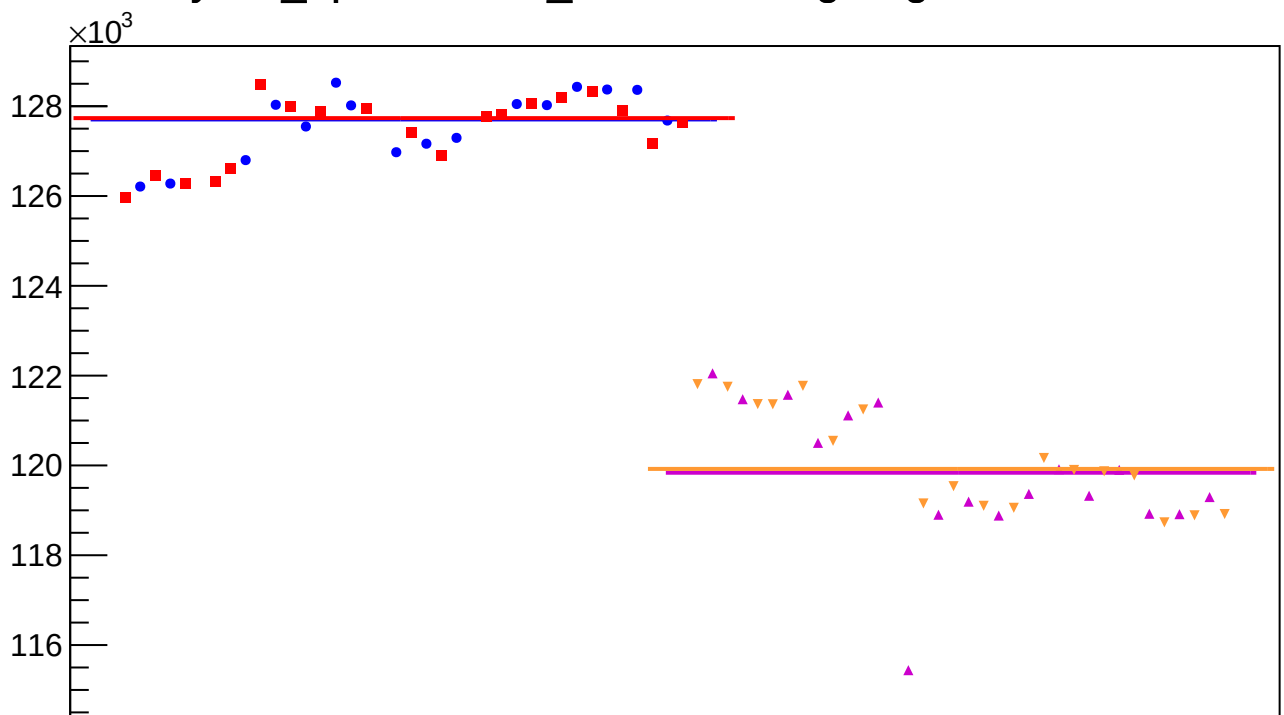
Left: 187.683+/-0.025 χ^2/NDF: 886729.2/35

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 161.654+/-0.026 χ^2/NDF:3032205.2/32

Out: 156.862+/-0.025 χ^2/NDF:3458124.7/37

All: 159.120+/-0.018 χ^2/NDF: 6508178.9/70



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 119922.571+/-0.049 χ^2/NDF:1820582292.7/18

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 119837.440+/-0.049 χ^2/NDF:1187801092.6/16

Left: 119880.519+/-0.035 χ^2/NDF: 3009898951.6/3

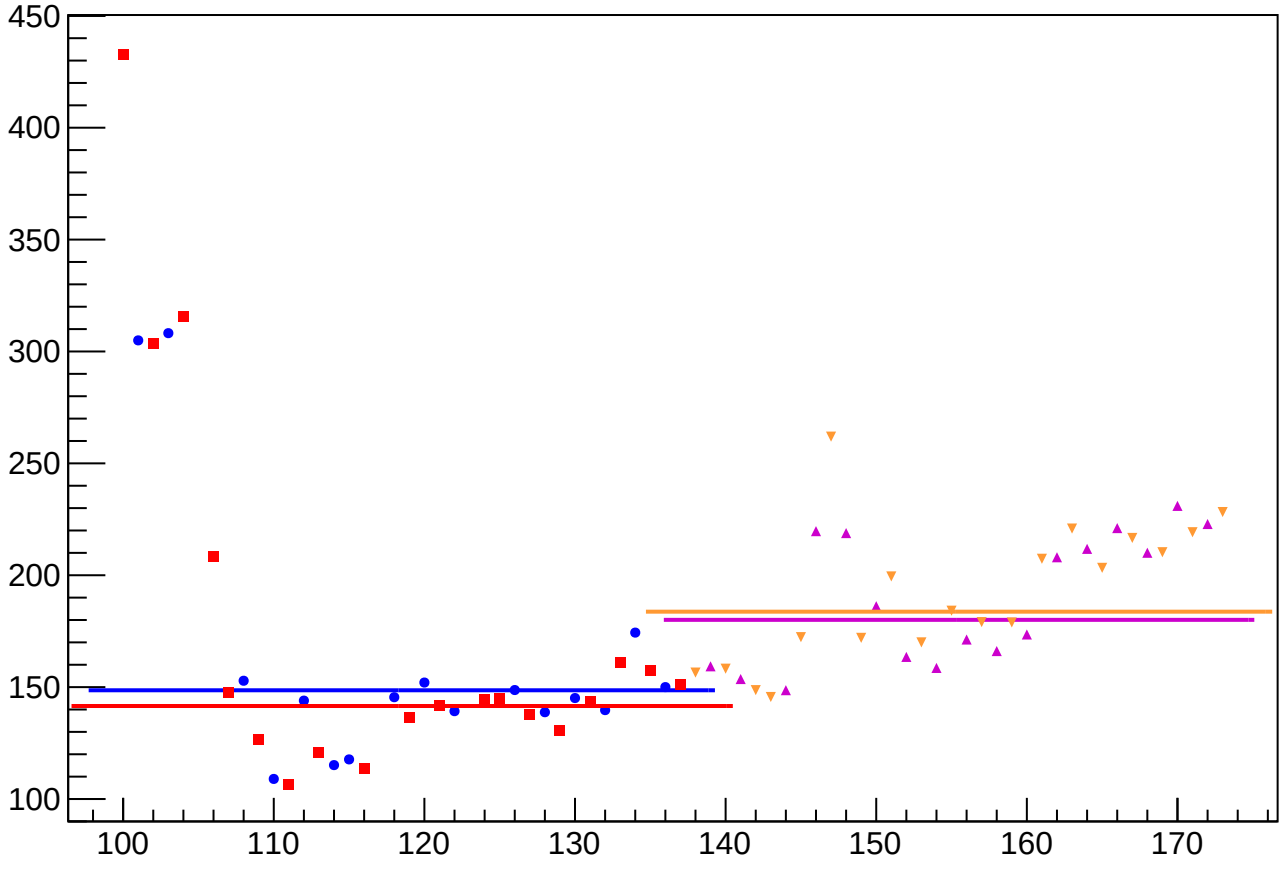
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 123101.763+/-0.038 χ^2/NDF:11906048869.3/3

Out: 123353.970+/-0.036 χ^2/NDF:13278540255.5

All: 123232.067+/-0.026 χ^2/NDF: 25207800

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 183.723+/-0.034 χ^2/NDF:664765.3/18

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 180.067+/-0.035 χ^2/NDF:601328.5/16

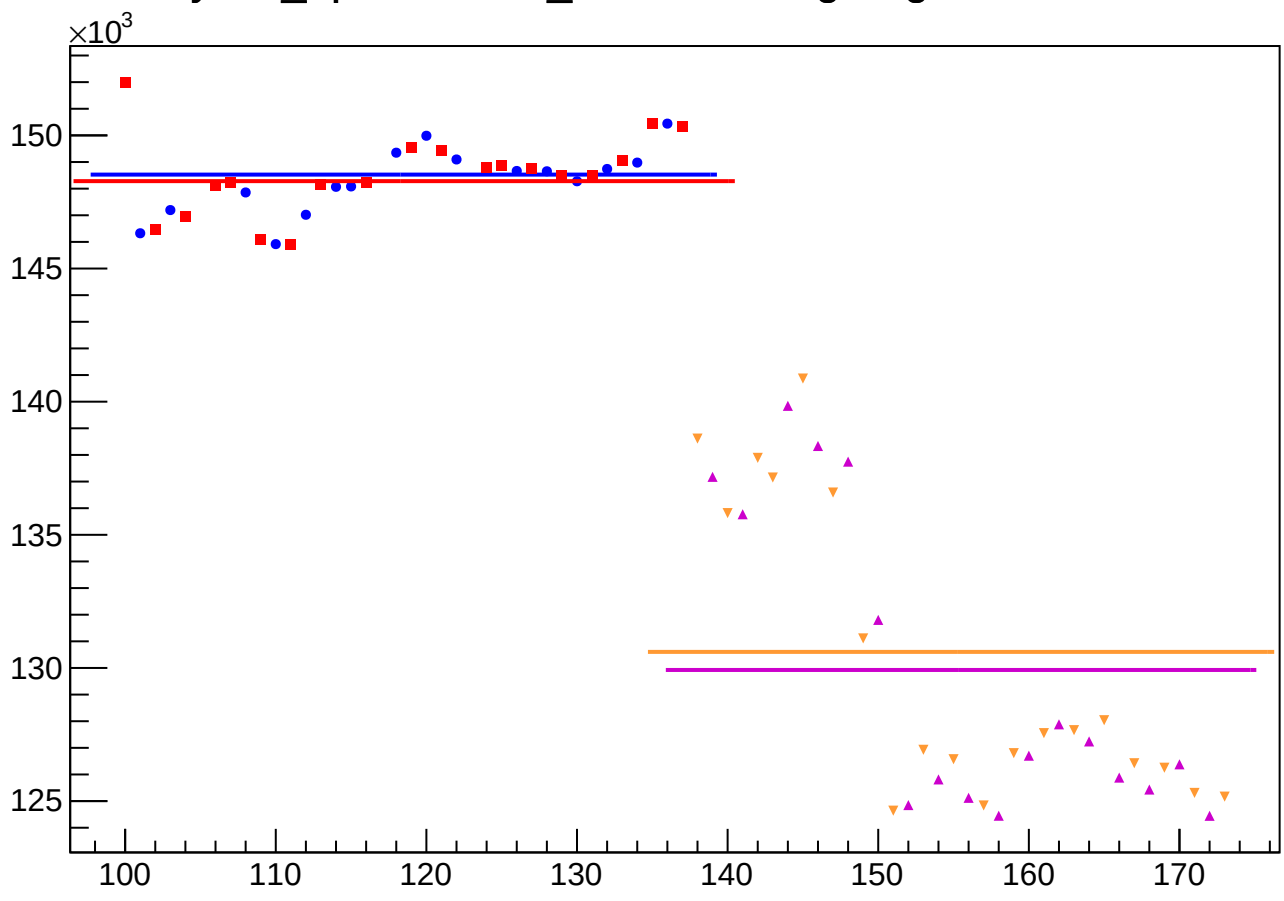
Left: 181.917+/-0.024 χ^2/NDF: 1271685.9/35

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 167.008+/-0.027 χ^2/NDF:1768722.3/32

Out: 165.204+/-0.026 χ^2/NDF:2327062.5/37

All: 166.076+/-0.018 χ^2/NDF: 4098159.7/70



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 130603.687+/-0.070 χ^2/NDF:5975001763.3/18

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 129924.768+/-0.071 χ^2/NDF:6175113553.7/16

Left: 130268.549+/-0.050 χ^2/NDF: 12196293713.7

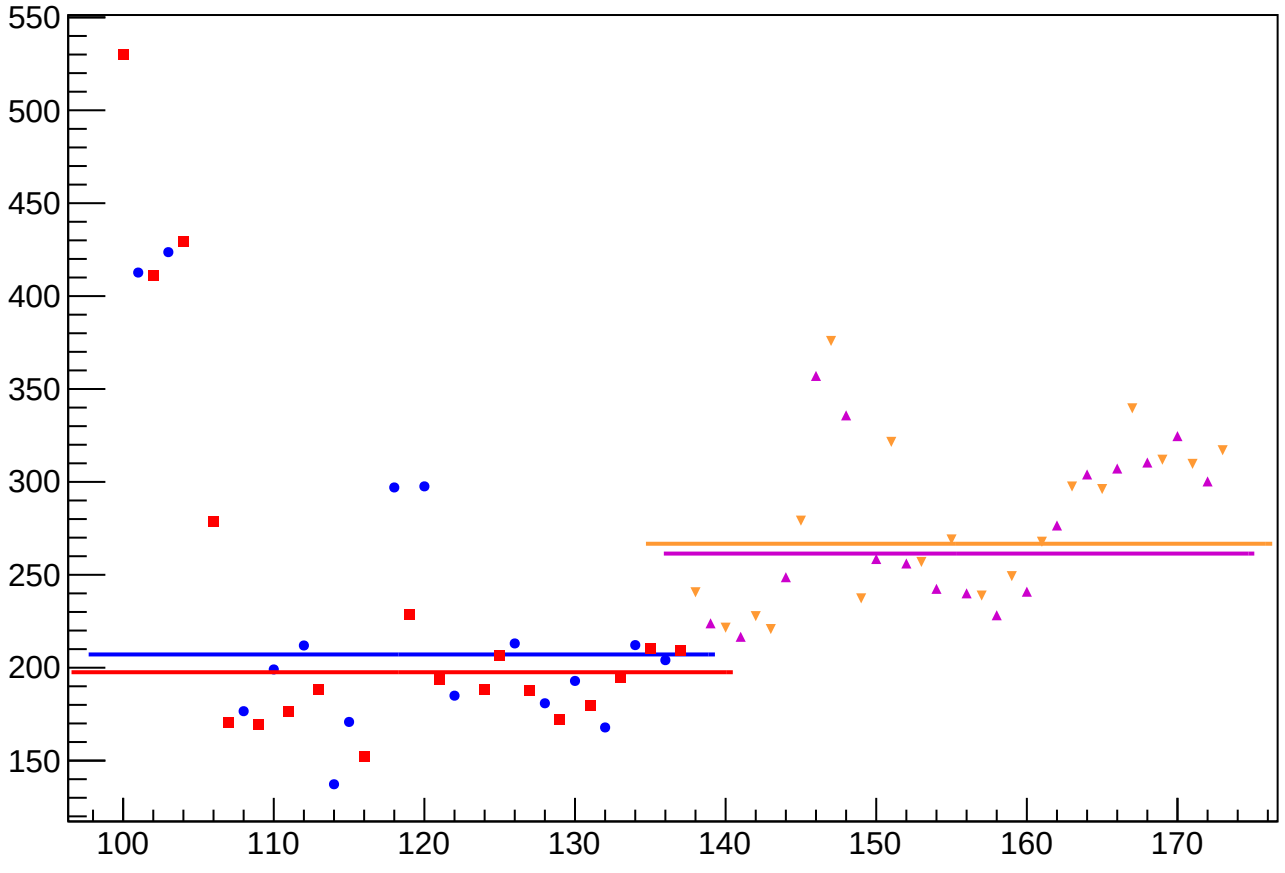
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 137914.286+/-0.054 χ^2/NDF:35790670308.8/3

Out: 138672.268+/-0.052 χ^2/NDF:35218767520.5

All: 138307.259+/-0.037 χ^2/NDF: 71112734

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 266.718+/-0.050 χ^2/NDF:633513.2/18

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 261.425+/-0.050 χ^2/NDF:588829.6/16

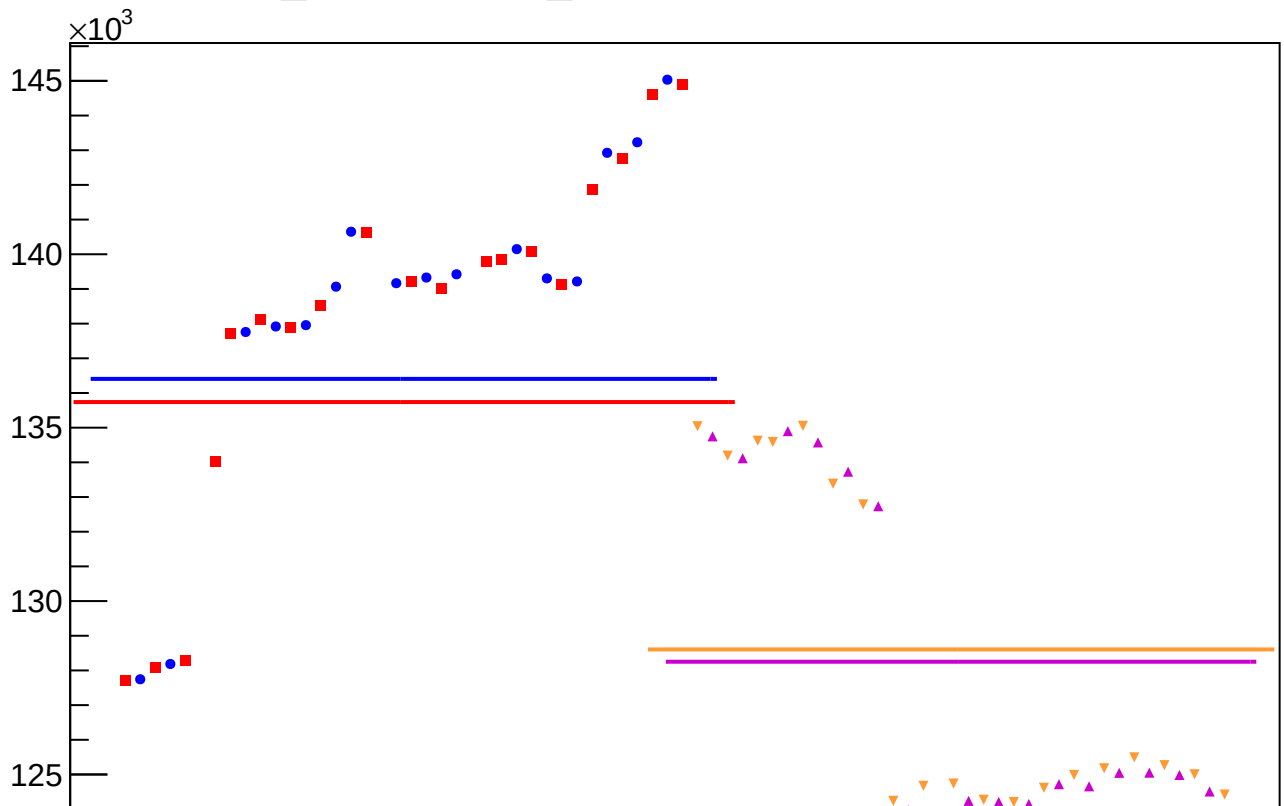
Left: 264.105+/-0.035 χ^2/NDF: 1227956.7/35

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 238.109+/-0.038 χ^2/NDF:2061943.9/32

Out: 235.159+/-0.037 χ^2/NDF:2423303.4/37

All: 236.579+/-0.026 χ^2/NDF: 4488376.6/70



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 128605.301+/-0.154 χ^2/NDF:949877380.8/18

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 128250.909+/-0.165 χ^2/NDF:843277584.0/16

Left: 128439.923+/-0.112 χ^2/NDF: 1795629370.5/3

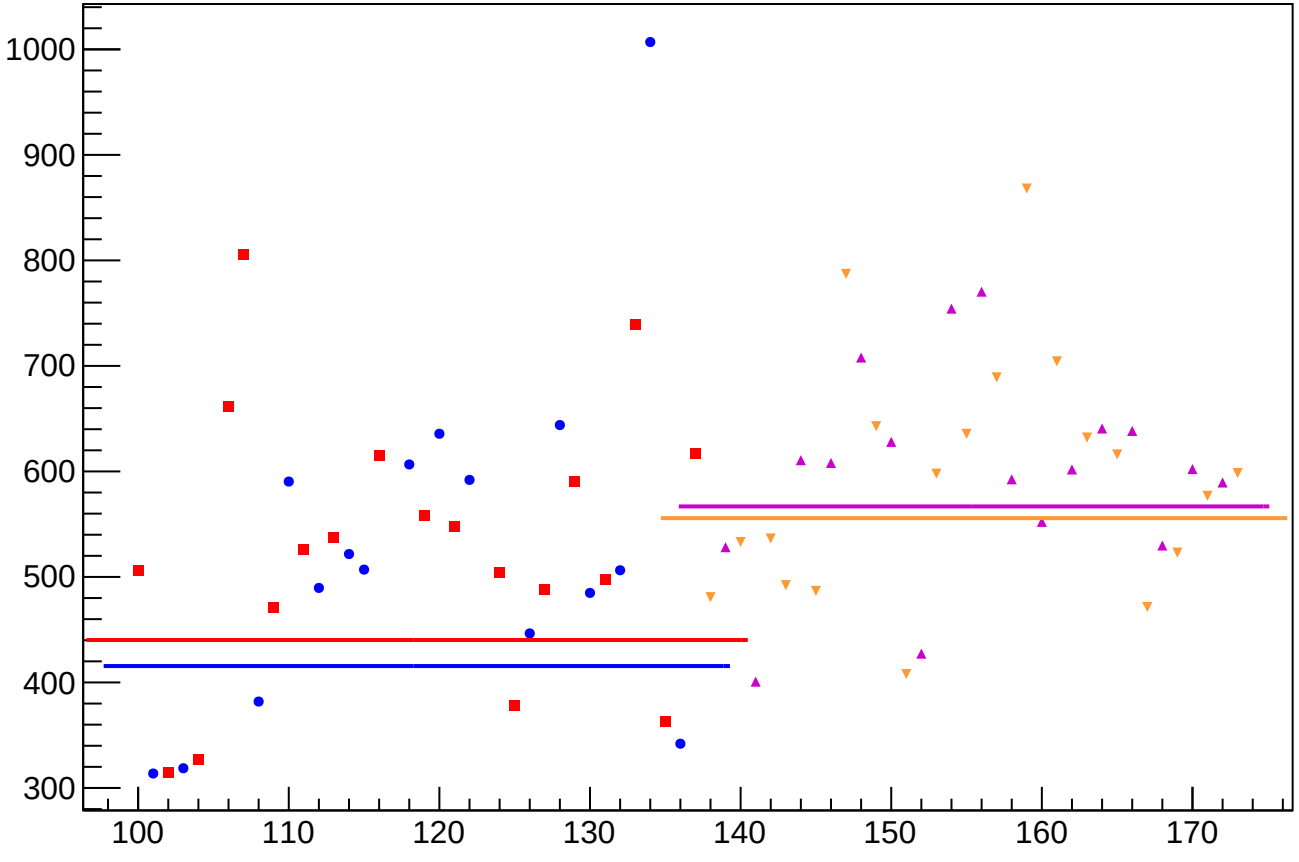
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 132229.946+/-0.118 χ^2/NDF:3619154557.9/32

Out: 131682.851+/-0.116 χ^2/NDF:3050822325.0/3

All: 131952.421+/-0.083 χ^2/NDF: 66809283

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 555.730+/-0.109 χ^2/NDF:864055.3/18

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 566.828+/-0.116 χ^2/NDF:728840.3/16

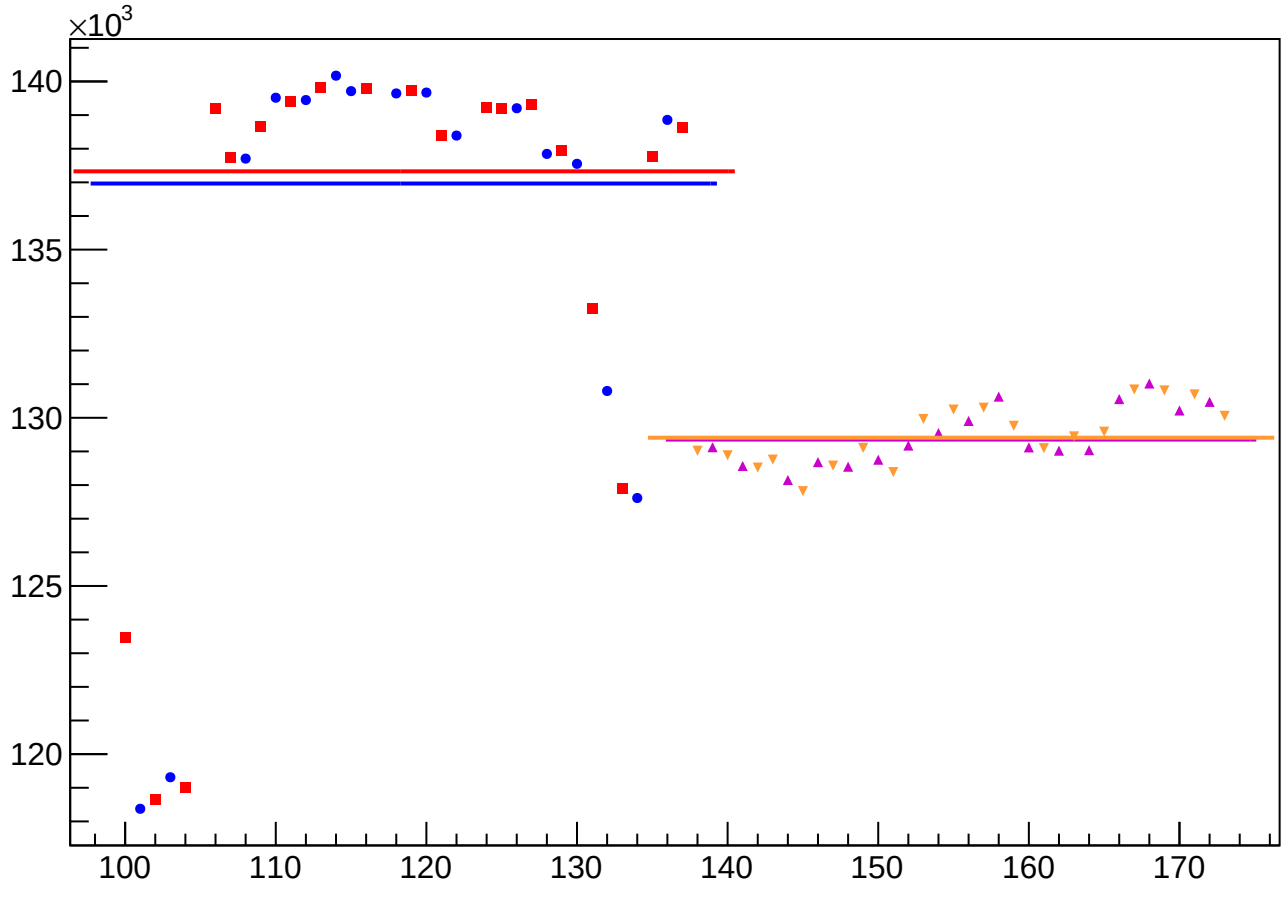
Left: 560.909+/-0.079 χ^2/NDF: 1597748.6/35

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 493.023+/-0.083 χ^2/NDF:2585316.4/32

Out: 505.893+/-0.082 χ^2/NDF:2260944.5/37

All: 499.552+/-0.058 χ^2/NDF: 4858380.6/70



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129408.271+/-0.051 χ^2/NDF:272926447.3/18

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 129352.260+/-0.053 χ^2/NDF:243824375.9/16

Left: 129381.180+/-0.037 χ^2/NDF: 517327148.4/35

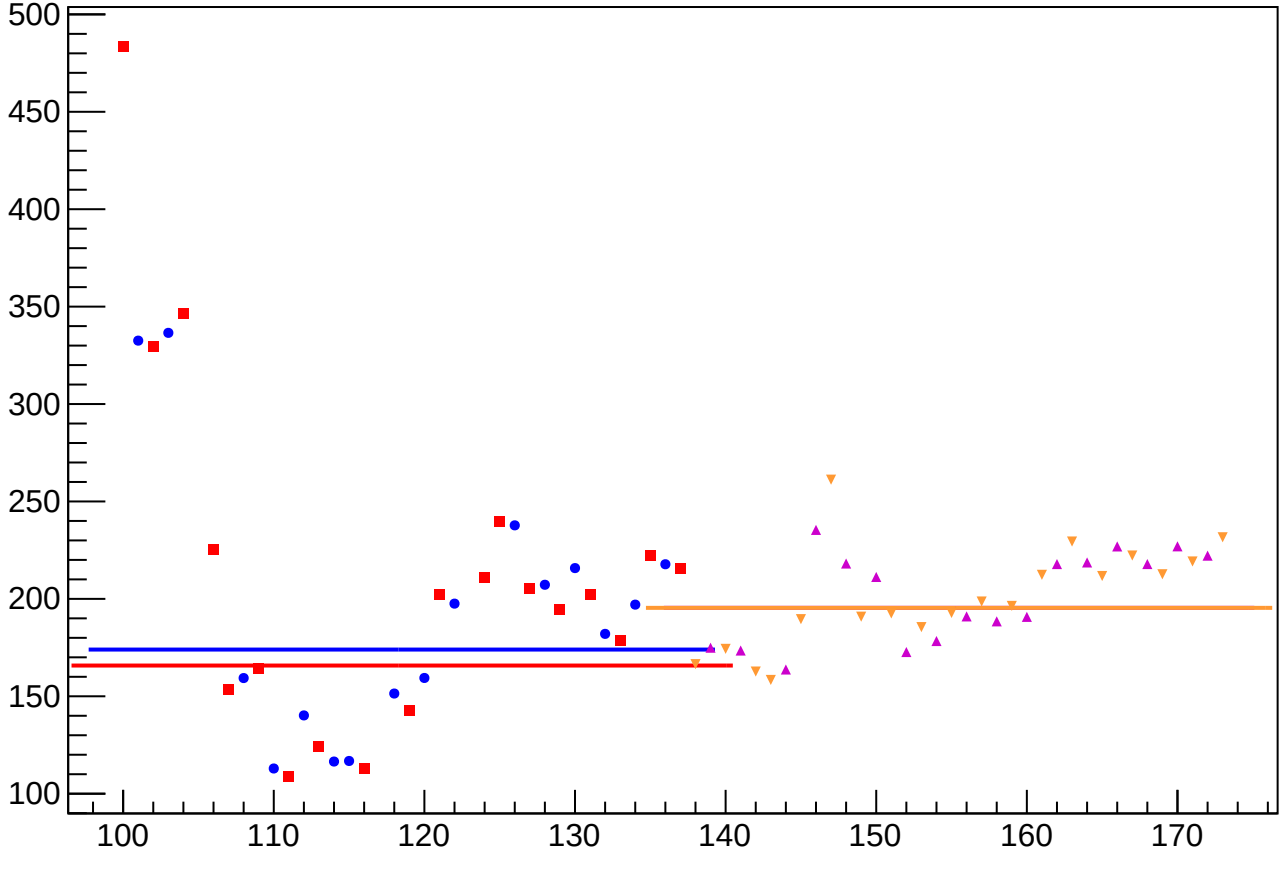
Right: 137157.181+/-0.048 χ^2/NDF: 11559848727.

In: 132140.936+/-0.042 χ^2/NDF:13604981965.8/3

Out: 132412.701+/-0.040 χ^2/NDF:15047201997.4

All: 132282.667+/-0.029 χ^2/NDF: 28673810

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 195.388+/-0.036 χ^2/NDF:446709.6/18

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 195.397+/-0.037 χ^2/NDF:369037.5/16

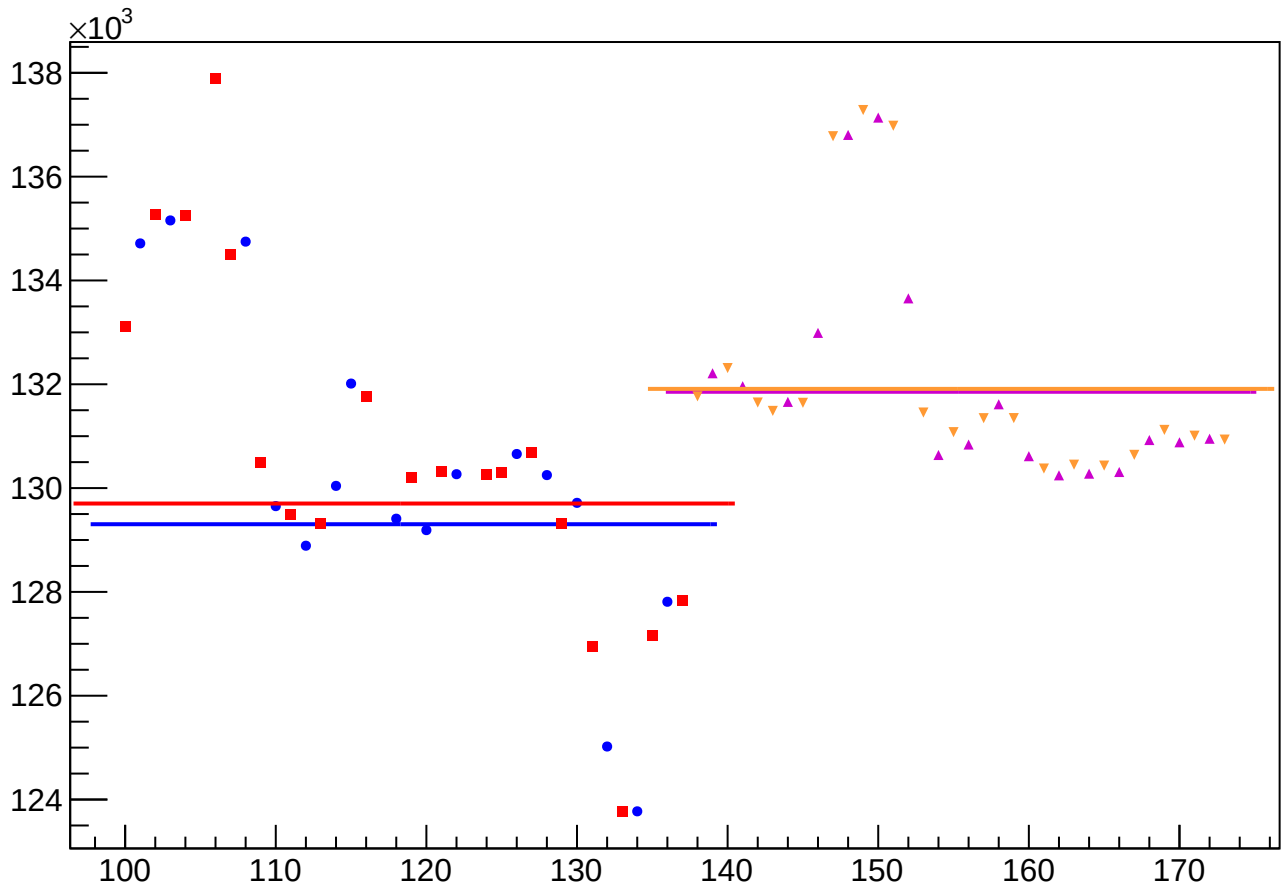
Left: 195.392+/-0.026 χ^2/NDF: 815747.2/35

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 187.552+/-0.030 χ^2/NDF:1677079.0/32

Out: 184.155+/-0.029 χ^2/NDF:2132497.5/37

All: 185.781+/-0.021 χ^2/NDF: 3816334.2/70



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 131911.286+/-0.051 χ^2/NDF:1342812624.9/18

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 131855.532+/-0.053 χ^2/NDF:1080561577.9/16

Left: 131884.262+/-0.037 χ^2/NDF: 2423945577.4/3

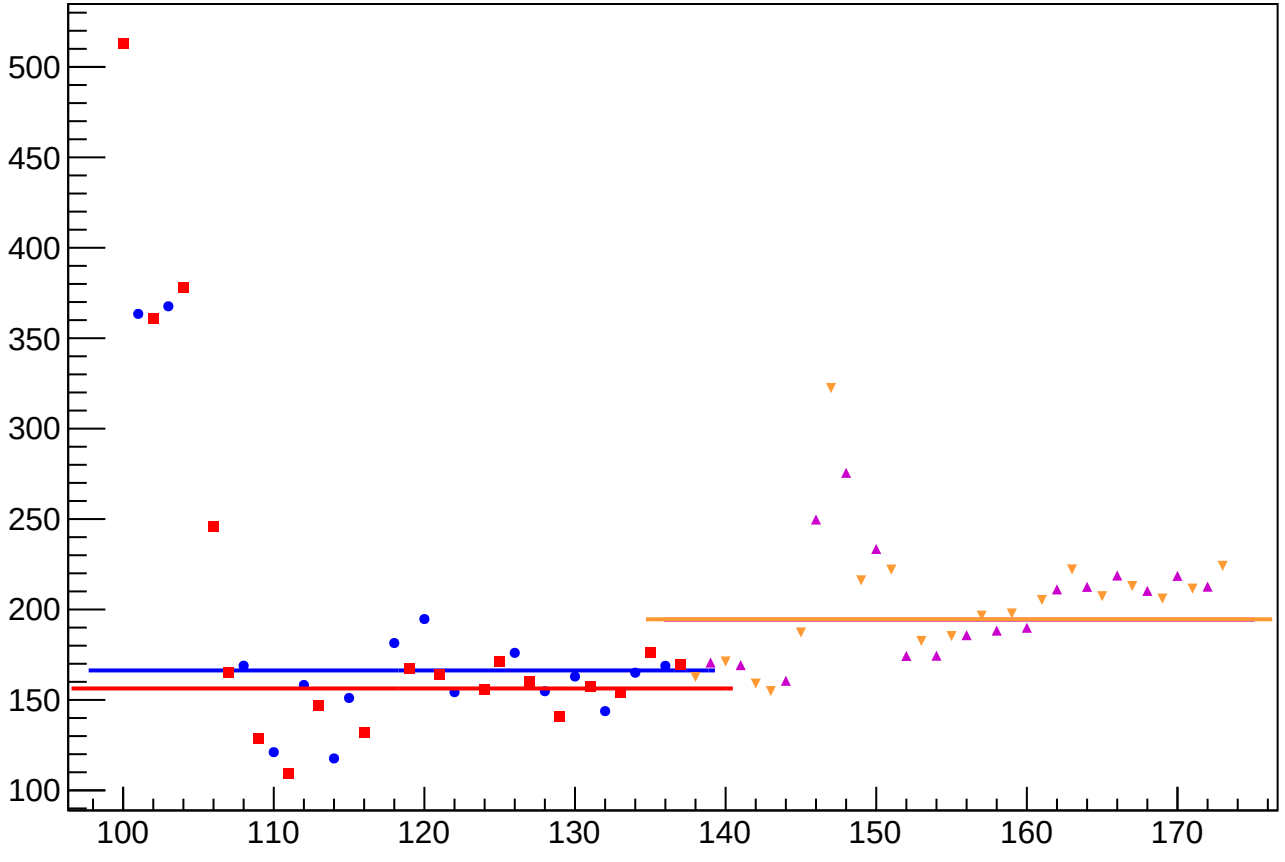
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130860.063+/-0.041 χ^2/NDF:3636835554.3/32

Out: 131004.718+/-0.039 χ^2/NDF:3879899765.5/3

All: 130935.829+/-0.029 χ^2/NDF: 75231455

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 194.583+/-0.036 χ^2/NDF:633546.9/18

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 194.370+/-0.037 χ^2/NDF:549041.1/16

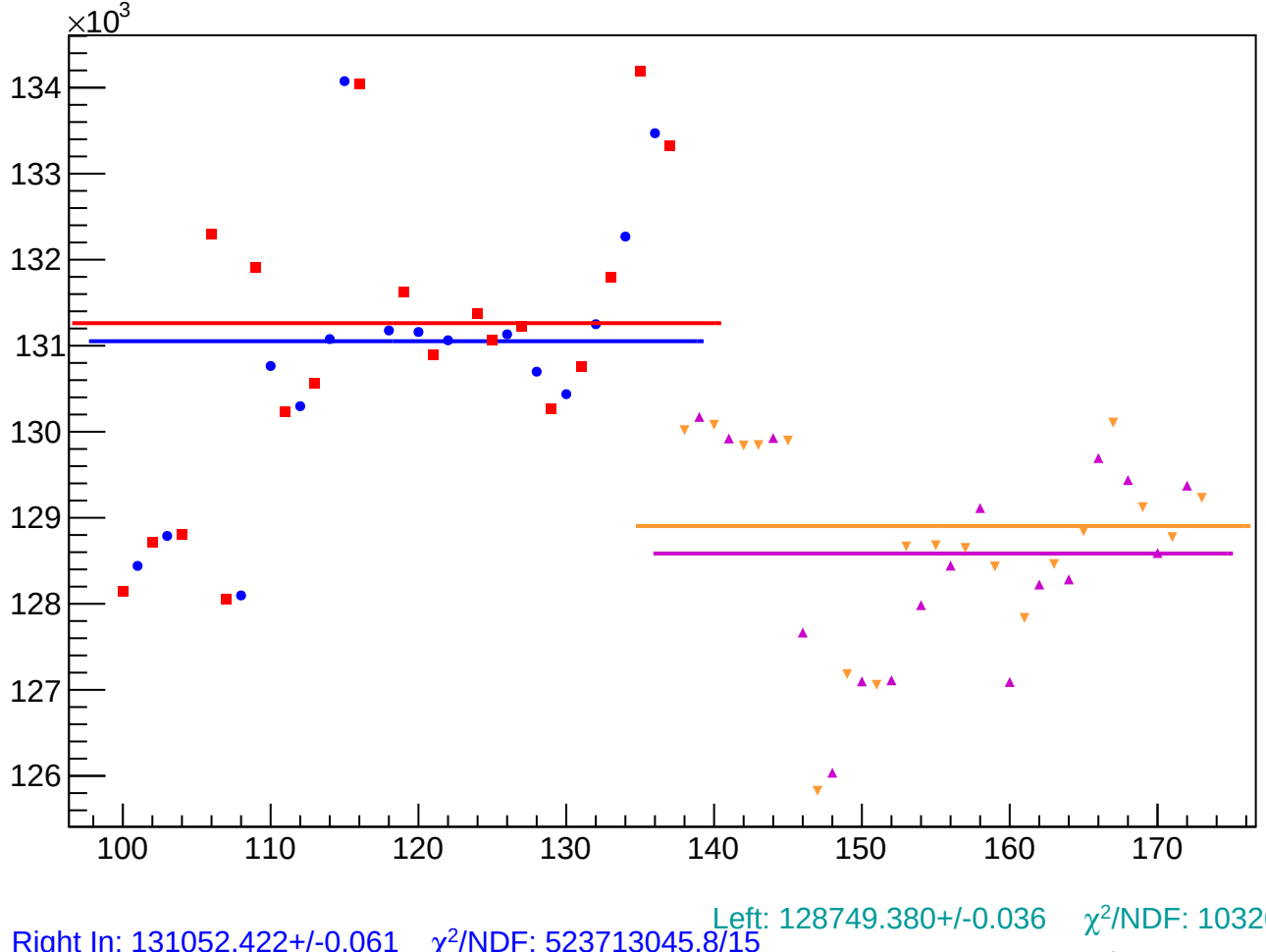
Left: 194.480+/-0.026 χ^2/NDF: 1182604.7/35

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 183.420+/-0.029 χ^2/NDF:1706243.4/32

Out: 178.884+/-0.028 χ^2/NDF:2261833.3/37

All: 181.044+/-0.020 χ^2/NDF: 3980683.4/70



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 128903.734+/-0.050 χ^2/NDF:465143727.9/18

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

Left In: 128584.209+/-0.051 χ^2/NDF:547394115.2/16

Left: 128749.380+/-0.036 χ^2/NDF: 1032636277.6/3

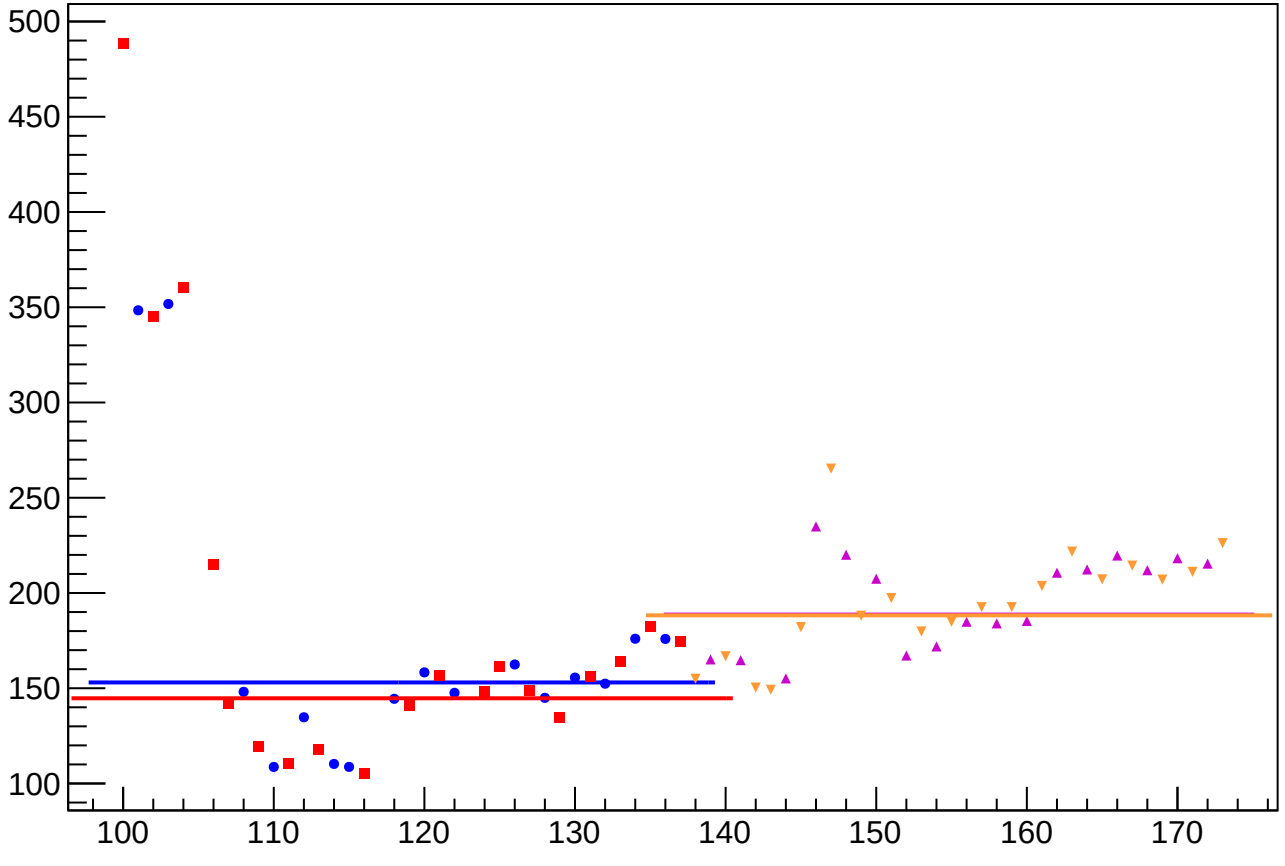
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 129612.470+/-0.039 χ^2/NDF:2037618704.0/32

Out: 129925.418+/-0.037 χ^2/NDF:2051372923.2/3

All: 129776.494+/-0.027 χ^2/NDF: 41224986

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 188.265+/-0.035 χ^2/NDF:565137.8/18

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 188.660+/-0.036 χ^2/NDF:445192.7/16

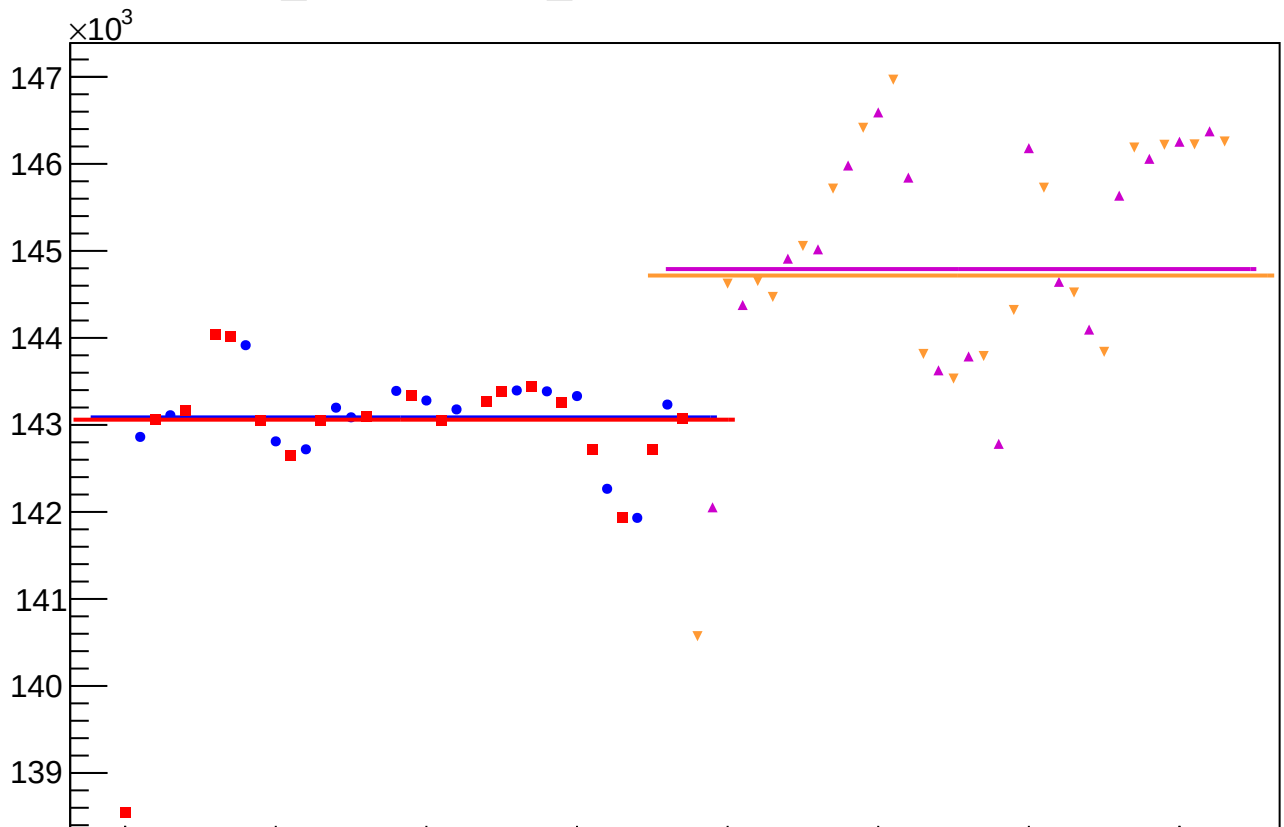
Left: 188.456+/-0.025 χ^2/NDF: 1010392.1/35

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 173.822+/-0.028 χ^2/NDF:1907200.3/32

Out: 169.406+/-0.026 χ^2/NDF:2497687.9/37

All: 171.507+/-0.019 χ^2/NDF: 4418231.2/70



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144716.944+/-0.057 χ^2/NDF:750358353.1/18

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

Left In: 144791.151+/-0.059 χ^2/NDF:543545877.5/16

Left: 144753.045+/-0.041 χ^2/NDF: 1294727275.6/3

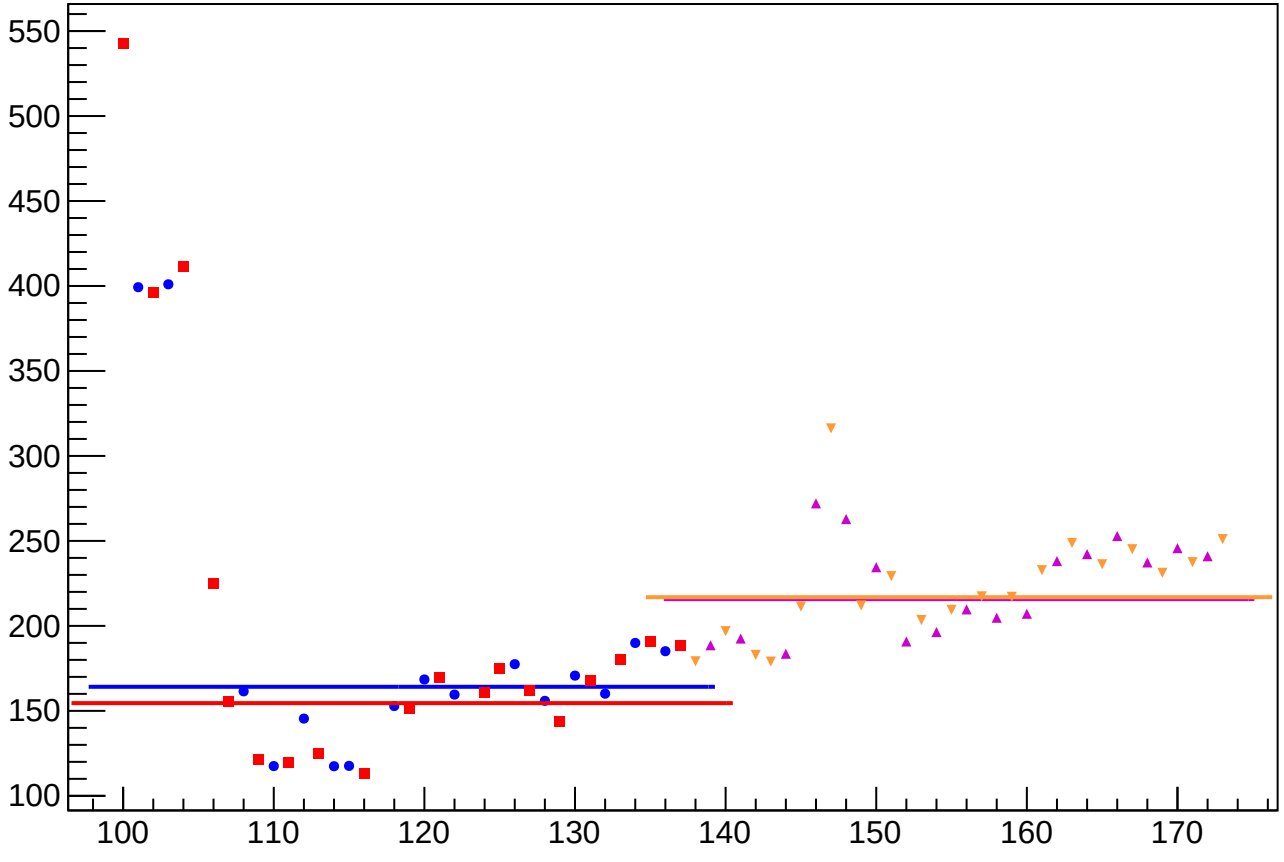
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 144027.719+/-0.044 χ^2/NDF:969066473.8/32

Out: 143939.269+/-0.042 χ^2/NDF:1197885478.7/3

All: 143981.420+/-0.030 χ^2/NDF: 21691107

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 216.882+/-0.040 χ^2/NDF:470567.8/18

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 215.755+/-0.041 χ^2/NDF:414661.1/16

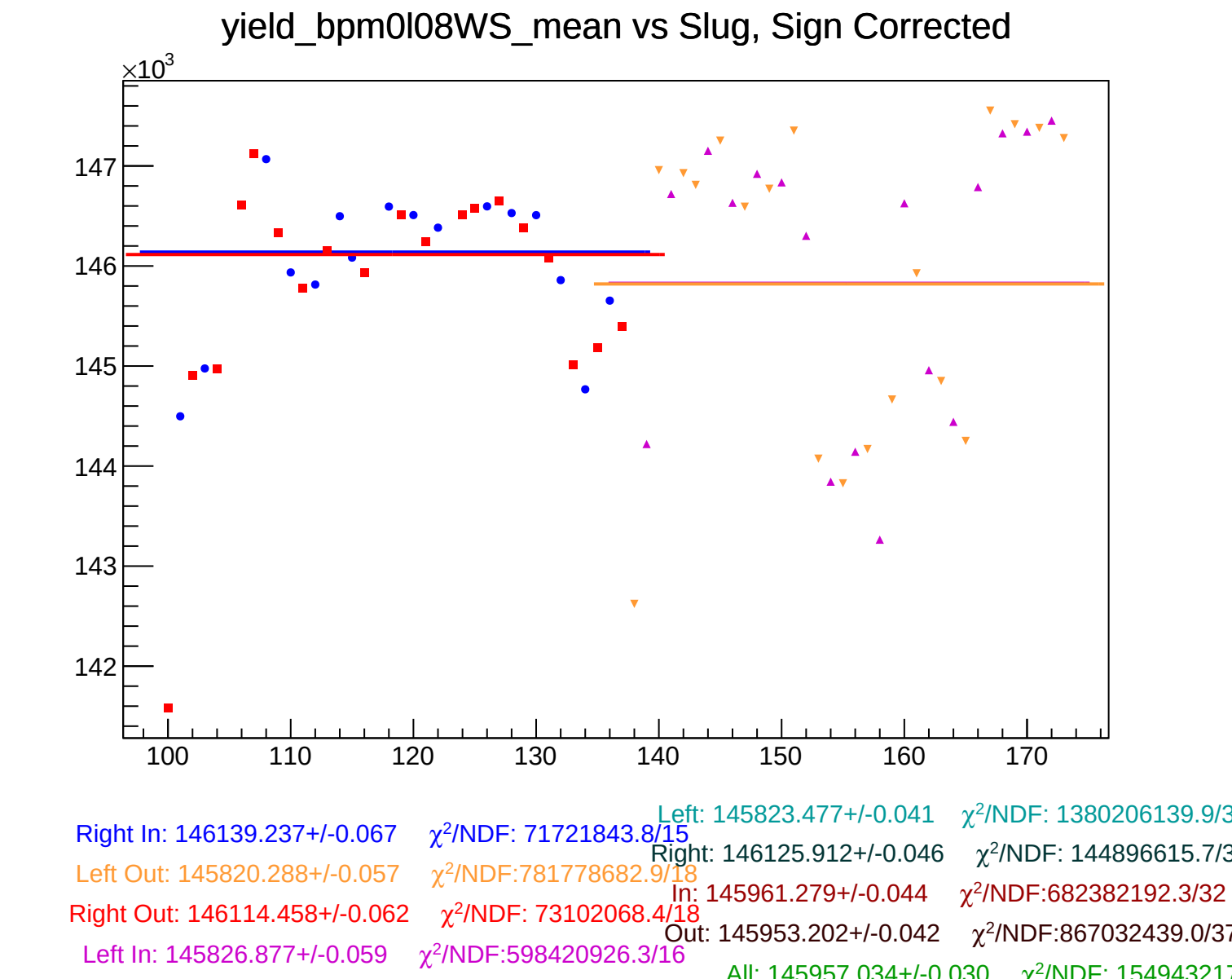
Left: 216.334+/-0.029 χ^2/NDF: 885608.0/35

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

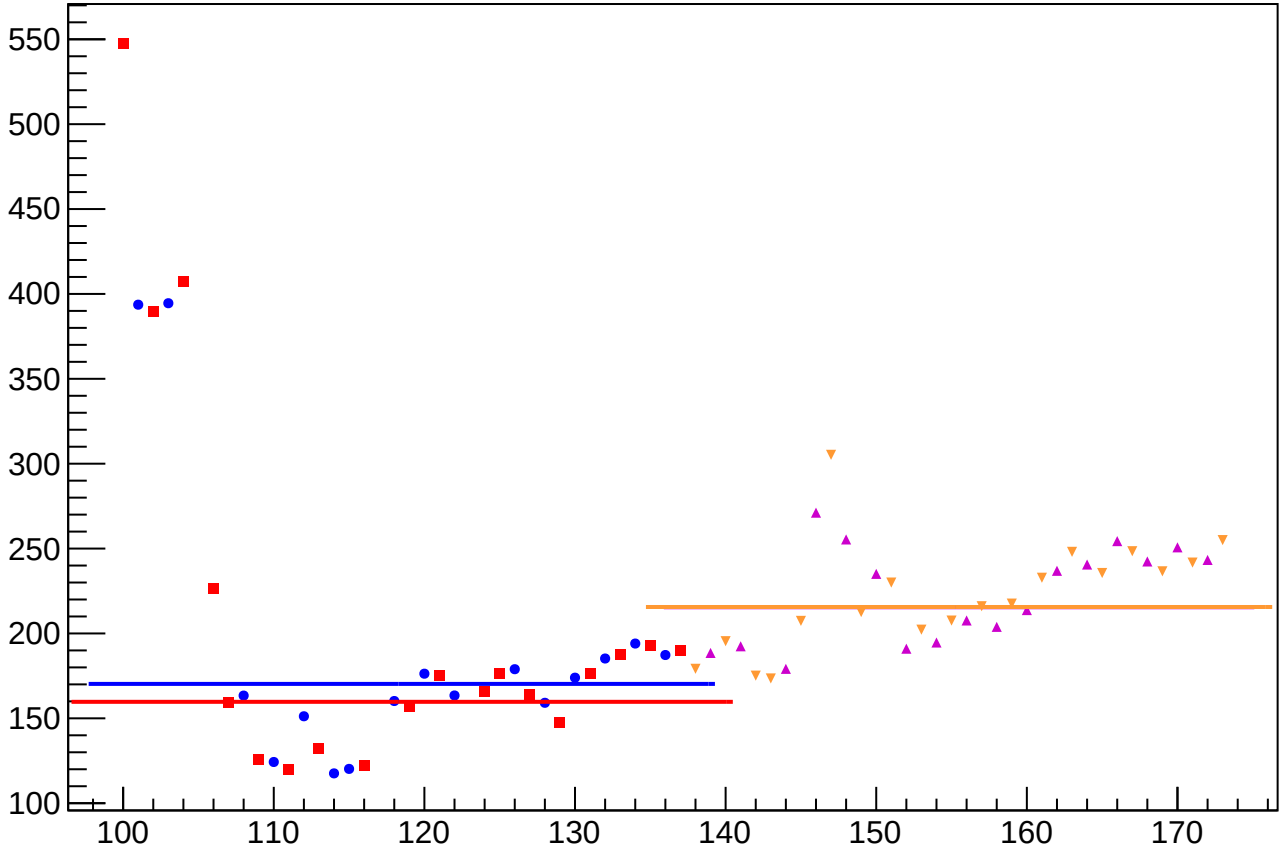
In: 192.652+/-0.031 χ^2/NDF:2238270.2/32

Out: 187.626+/-0.029 χ^2/NDF:2957738.9/37

All: 190.021+/-0.021 χ^2/NDF: 5209949.1/70


yield_bpm0l08WS_mean vs Slug, Sign Corrected
×10^3
147
146
145
144
143
142
100
110
120
130
140
150
160
170
Right In: 146139.237+/-0.067 χ²/NDF: 71721843.8/15
Left Out: 145820.288+/-0.057 χ²/NDF:781778682.9/18
Right Out: 146114.458+/-0.062 χ²/NDF: 73102068.4/18
Left In: 145826.877+/-0.059 χ²/NDF:598420926.3/16
Left: 145823.477+/-0.041 χ²/NDF: 1380206139.9/3
Right: 146125.912+/-0.046 χ²/NDF: 144896615.7/3
In: 145961.279+/-0.044 χ²/NDF:682382192.3/32
Out: 145953.202+/-0.042 χ²/NDF:867032439.0/37
All: 145957.034+/-0.030 χ²/NDF: 15494321

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 215.583+/-0.040 χ^2/NDF:519442.9/18

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 215.425+/-0.041 χ^2/NDF:438040.7/16

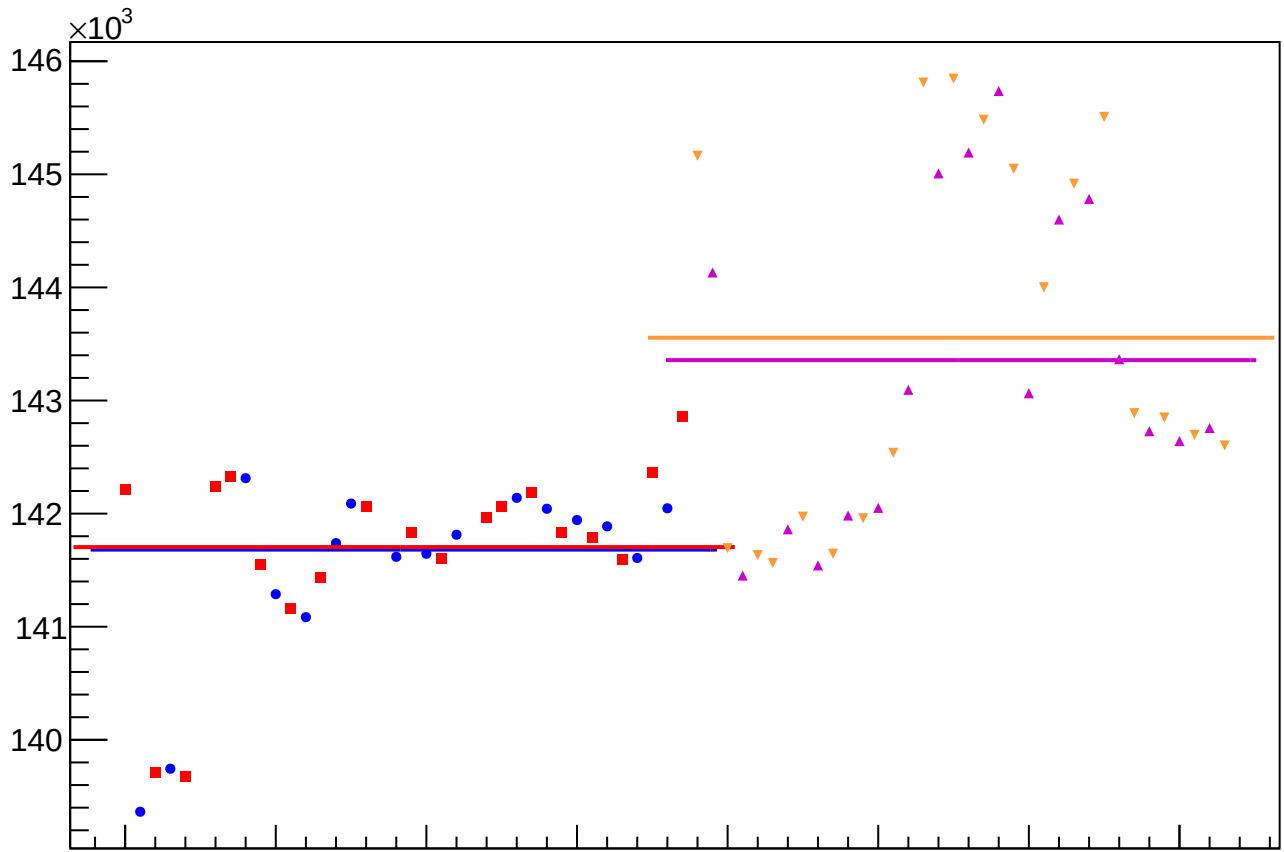
Left: 215.506+/-0.029 χ^2/NDF: 957491.1/35

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 195.999+/-0.031 χ^2/NDF:2007024.2/32

Out: 190.344+/-0.030 χ^2/NDF:2687026.5/37

All: 193.027+/-0.022 χ^2/NDF: 4711254.5/70



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143555.331+/-0.059 χ^2/NDF:735291458.5/18

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 143357.143+/-0.060 χ^2/NDF:507743459.1/16

Left: 143458.489+/-0.042 χ^2/NDF: 1248523446.5/3

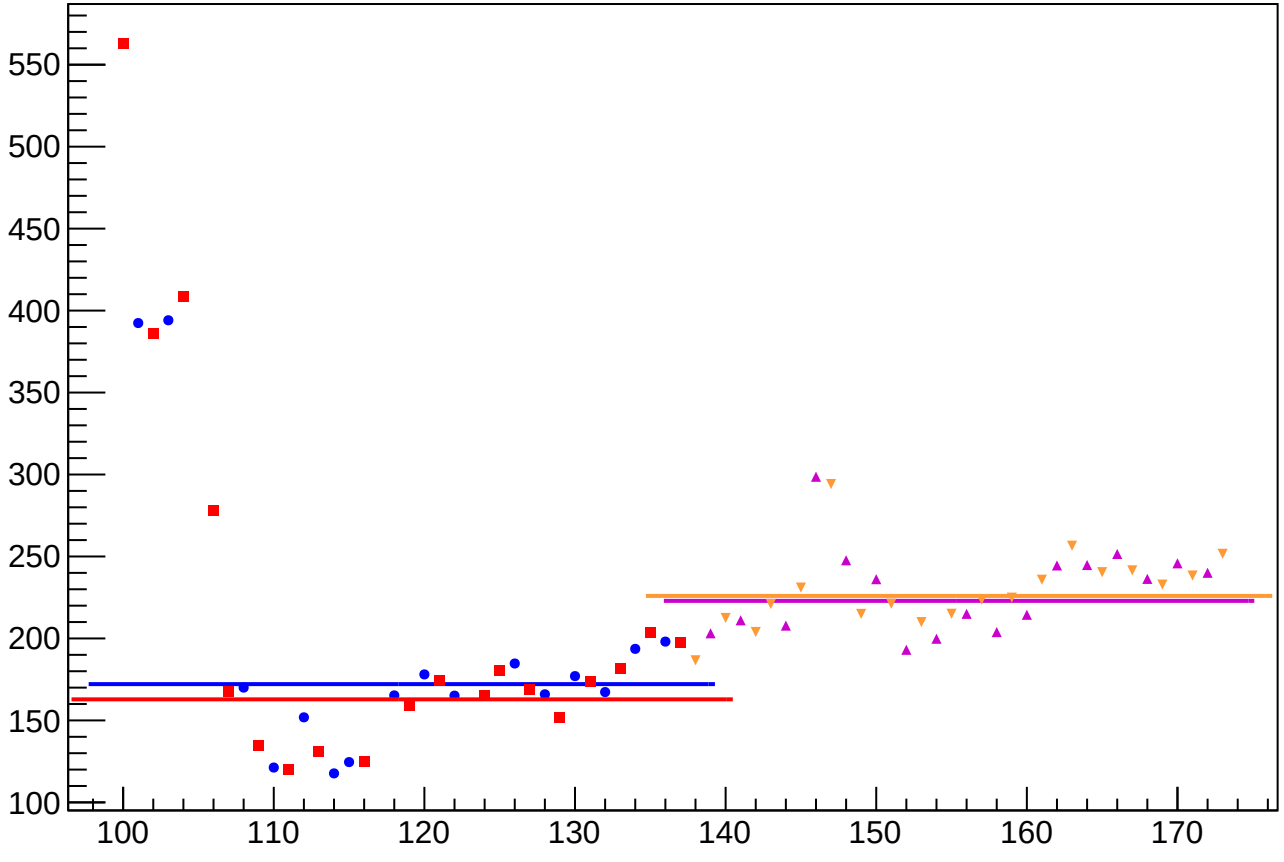
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 142620.292+/-0.045 χ^2/NDF:909357587.9/32

Out: 142699.812+/-0.043 χ^2/NDF:1253698594.5/3

All: 142661.763+/-0.031 χ^2/NDF: 21646648

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 225.949+/-0.042 χ^2/NDF:251922.0/18

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 222.935+/-0.043 χ^2/NDF:310878.7/16

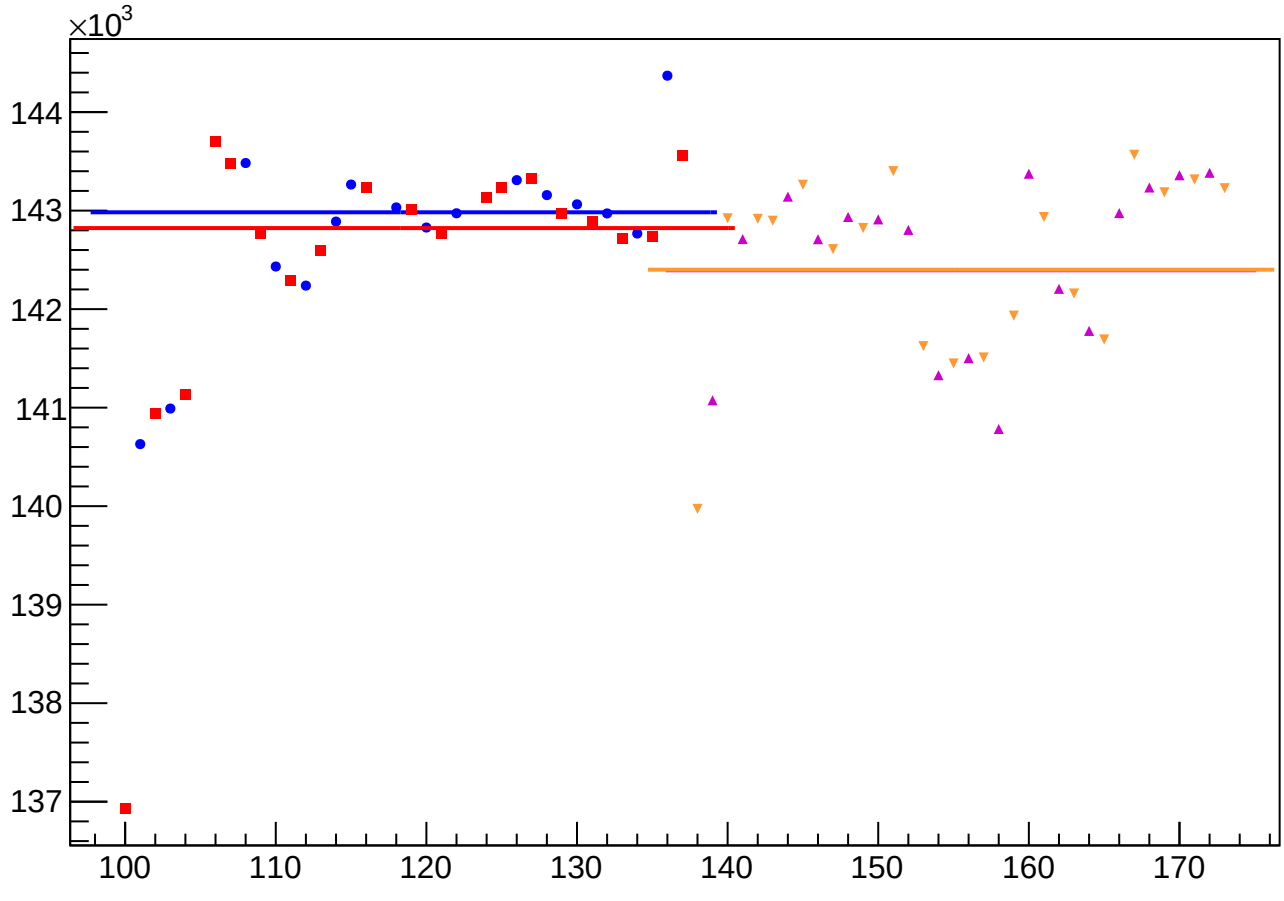
Left: 224.476+/-0.030 χ^2/NDF: 565338.6/35

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

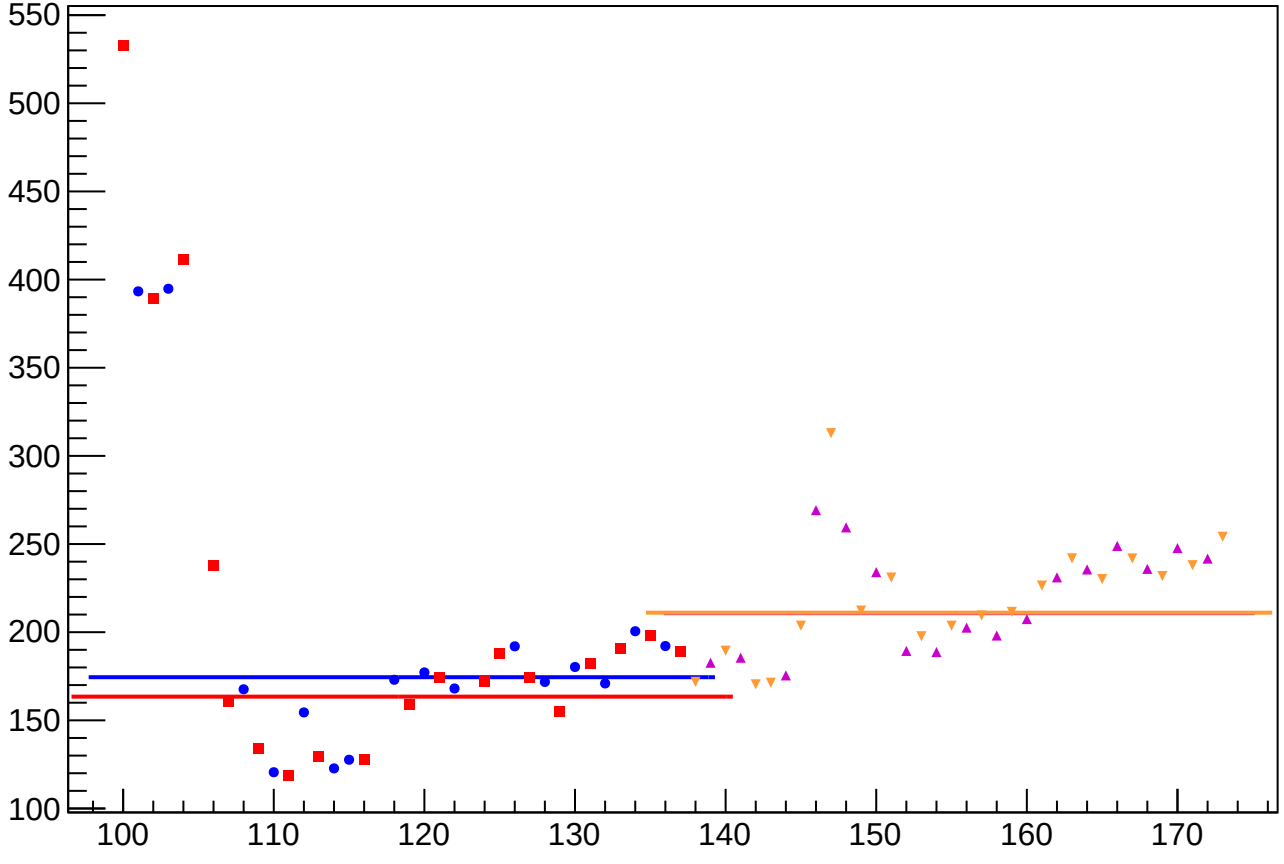
In: 200.593+/-0.032 χ^2/NDF:1999698.4/32

Out: 196.785+/-0.031 χ^2/NDF:2610335.9/37

All: 198.607+/-0.022 χ^2/NDF: 4617414.6/70


yield_bpm0l10WS_mean vs Slug, Sign Corrected
×10^3
144
143
142
141
140
139
138
137
100
110
120
130
140
150
160
170
Right In: 142983.006+/-0.069 χ²/NDF: 107696217.2/15
Left Out: 142400.345+/-0.056 χ²/NDF:308274204.3/18
Right Out: 142822.727+/-0.064 χ²/NDF: 63581232.6/18
Left In: 142394.684+/-0.057 χ²/NDF:238295897.4/16
Left: 142397.603+/-0.040 χ²/NDF: 546575133.2/35
Right: 142896.762+/-0.047 χ²/NDF: 174171580.7/3
In: 142634.383+/-0.044 χ²/NDF:388934184.9/32
Out: 142581.700+/-0.042 χ²/NDF:396685281.9/37
All: 142606.723+/-0.030 χ²/NDF: 78636829

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 211.072+/-0.039 χ^2/NDF:576894.0/18

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 210.788+/-0.041 χ^2/NDF:488804.2/16

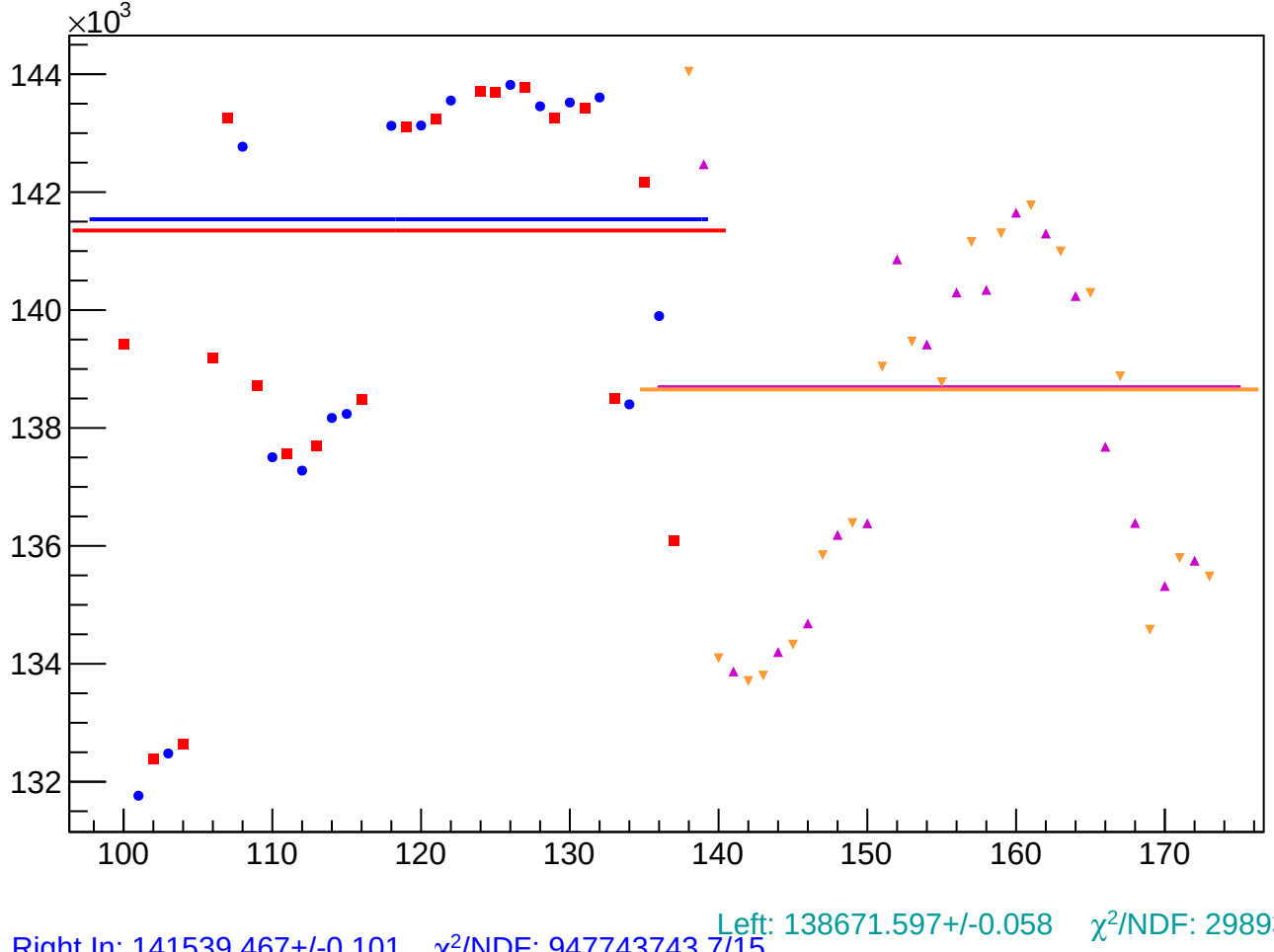
Left: 210.934+/-0.028 χ^2/NDF: 1065723.5/35

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 195.990+/-0.031 χ^2/NDF:1865269.2/32

Out: 190.624+/-0.030 χ^2/NDF:2490690.0/37

All: 193.173+/-0.021 χ^2/NDF: 4371495.1/70



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 138653.679+/-0.081 χ^2/NDF:1725803735.2/18

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

Left In: 138690.661+/-0.083 χ^2/NDF:1263396301.3/16

Left: 138671.597+/-0.058 χ^2/NDF: 2989301156.3/3

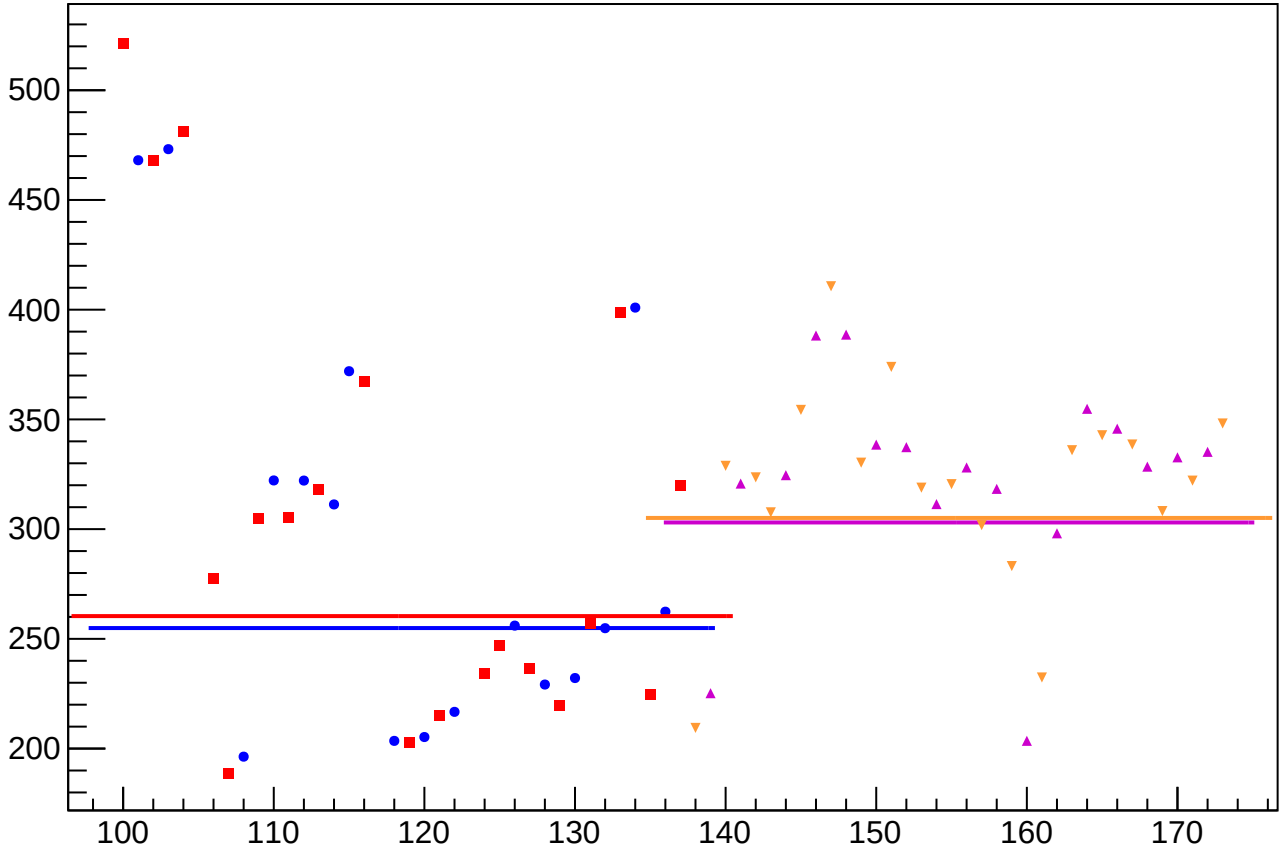
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 139849.787+/-0.064 χ^2/NDF:2684787430.3/32

Out: 139707.390+/-0.063 χ^2/NDF:3085955369.6/3

All: 139777.331+/-0.045 χ^2/NDF: 57732379

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 305.101+/-0.057 χ^2/NDF:775745.1/18

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 303.037+/-0.059 χ^2/NDF:887771.6/16

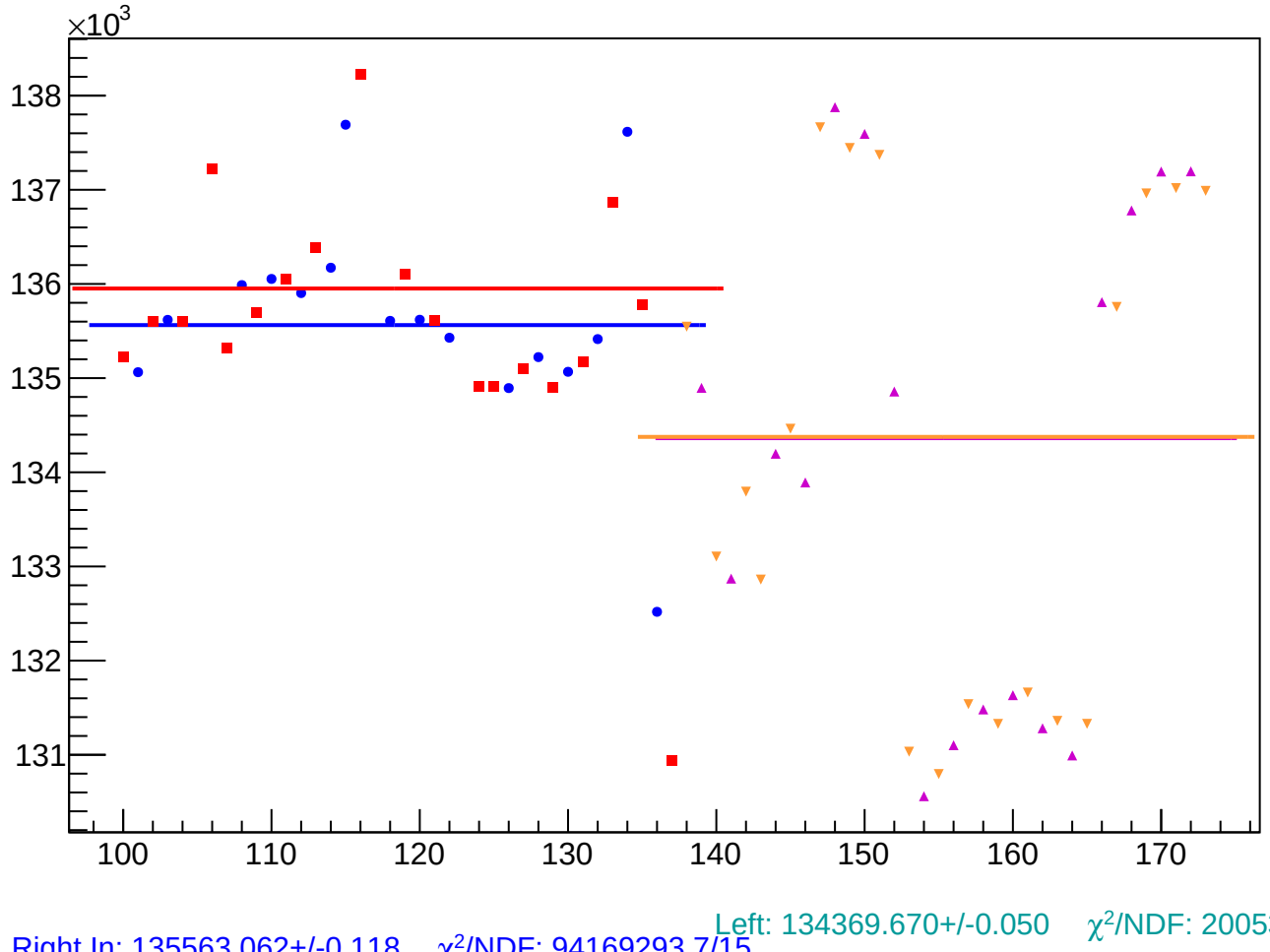
Left: 304.101+/-0.041 χ^2/NDF: 1664147.1/35

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 283.459+/-0.045 χ^2/NDF:2107976.6/32

Out: 287.617+/-0.045 χ^2/NDF:2007761.3/37

All: 285.574+/-0.032 χ^2/NDF: 4119993.0/70



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134376.065+/-0.069 χ^2/NDF:1067991685.1/18

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

Left In: 134362.490+/-0.073 χ^2/NDF:937322927.9/16

Left: 134369.670+/-0.050 χ^2/NDF: 2005332868.2/3

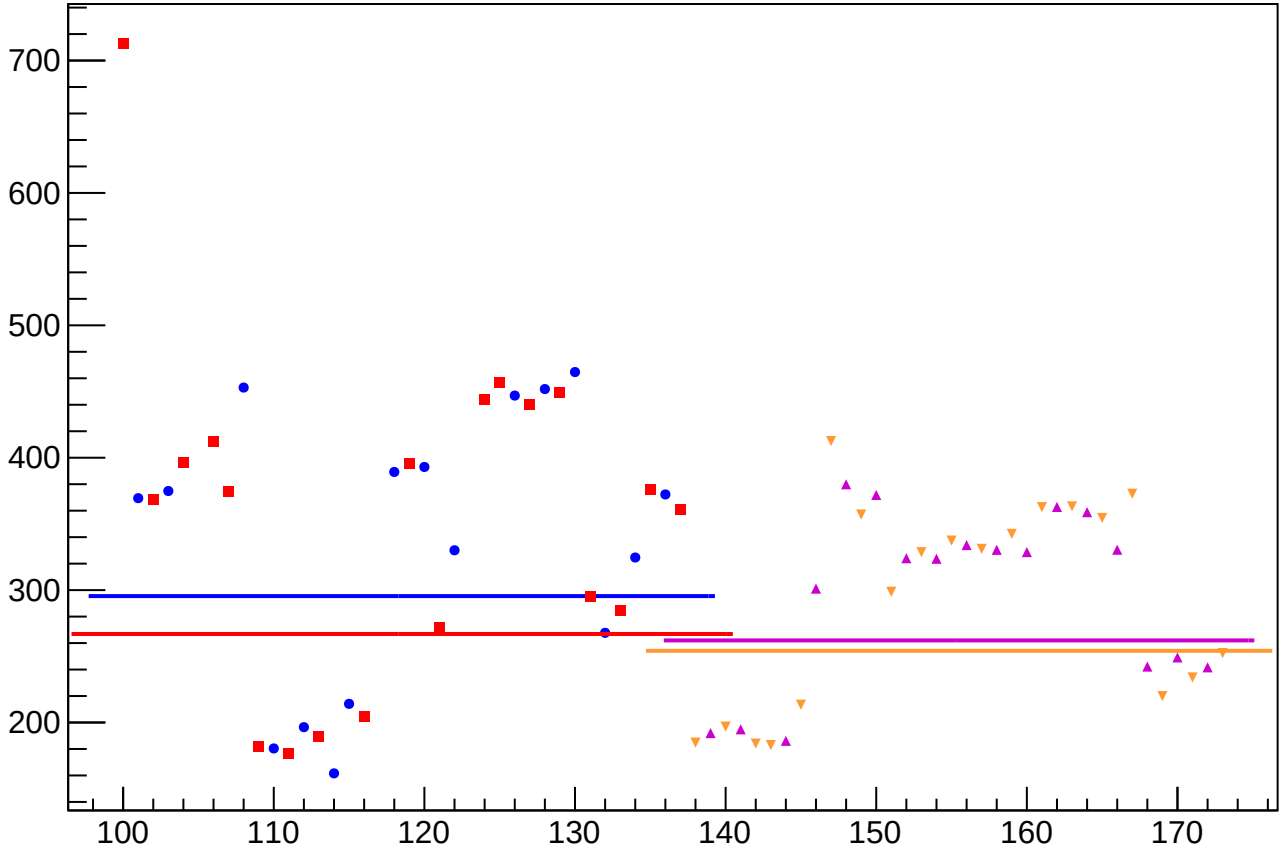
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134693.812+/-0.062 χ^2/NDF:1105994243.4/32

Out: 134842.371+/-0.058 χ^2/NDF:1314046891.1/3

All: 134773.423+/-0.042 χ^2/NDF: 24231006

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 254.143+/-0.049 χ^2/NDF:2162832.2/18

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 262.003+/-0.052 χ^2/NDF:1682741.2/16

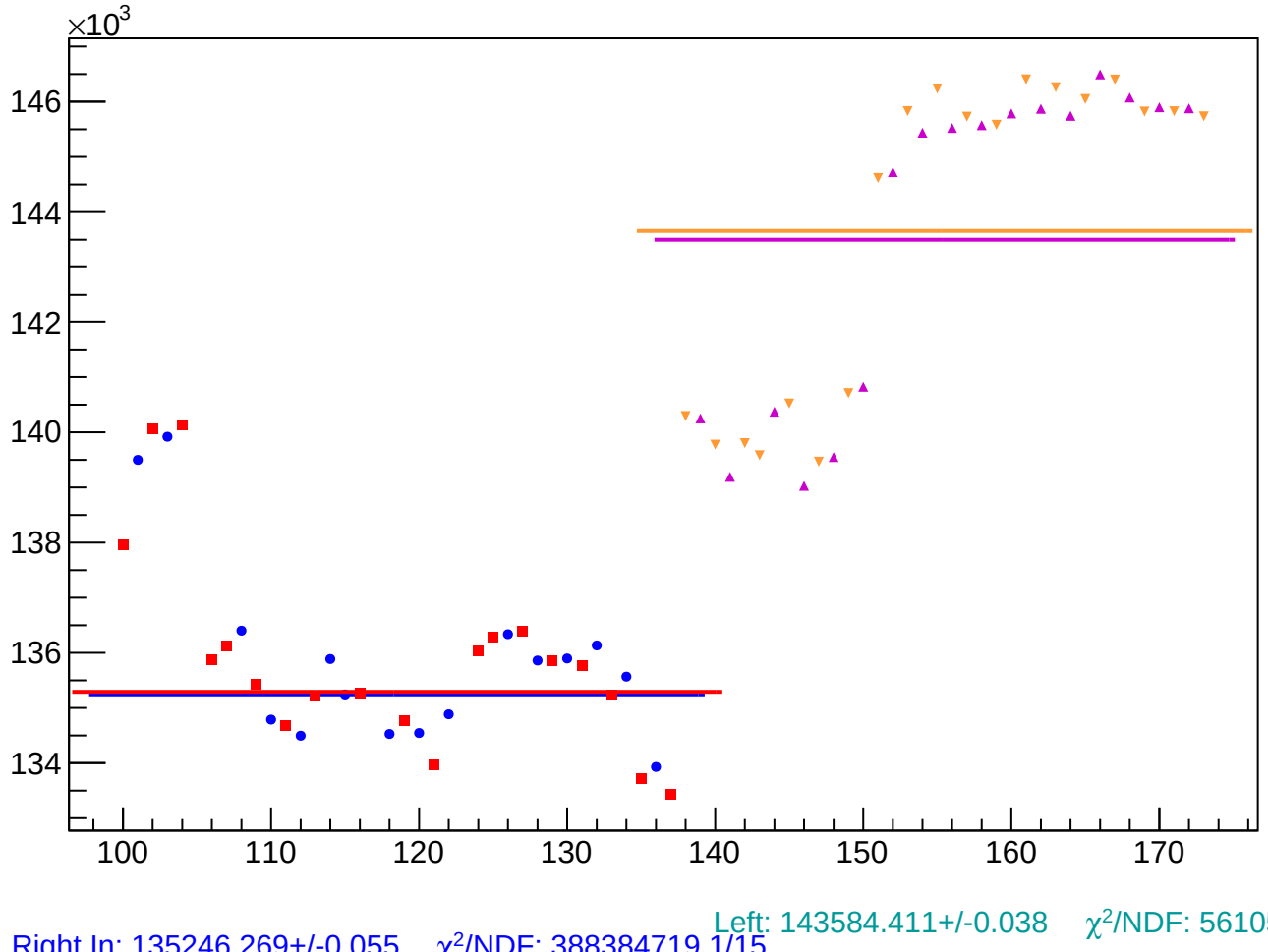
Left: 257.846+/-0.035 χ^2/NDF: 3857814.6/35

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

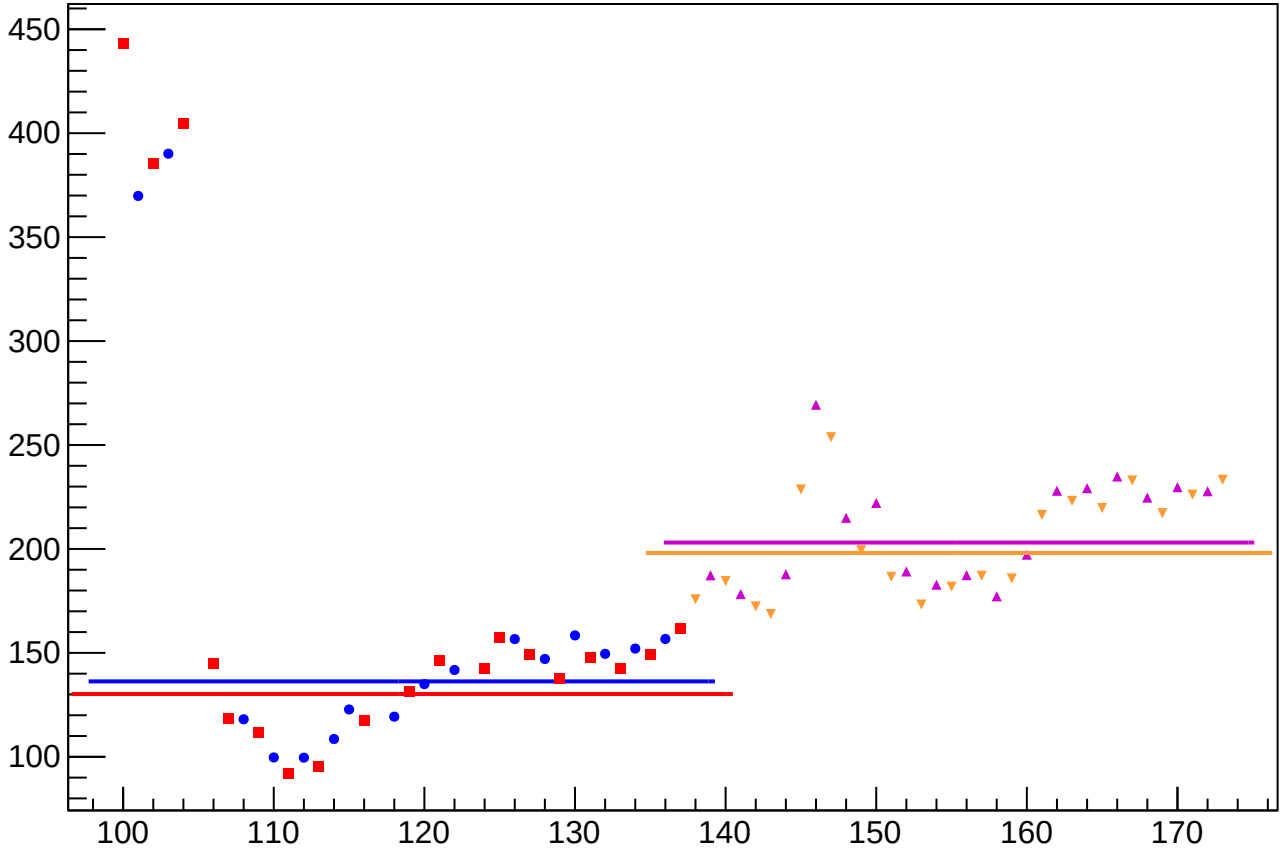
In: 271.242+/-0.044 χ^2/NDF:3241137.1/32

Out: 257.908+/-0.041 χ^2/NDF:3861050.5/37

All: 264.097+/-0.030 χ^2/NDF: 7151482.1/70


yield_bpm0i02WS_mean vs Slug, Sign Corrected
×10^3
146
144
142
140
138
136
134
100
110
120
130
140
150
160
170
Right In: 135246.269+/-0.055 χ²/NDF: 388384719.1/15
Left Out: 143659.549+/-0.052 χ²/NDF:2991007388.5/18
Right Out: 135291.851+/-0.052 χ²/NDF: 381790556.0/18
Left In: 143500.021+/-0.055 χ²/NDF:2615087014.0/16
Left: 143584.411+/-0.038 χ²/NDF: 5610518463.0/3
Right: 135270.332+/-0.038 χ²/NDF: 770541555.9/3
In: 139339.960+/-0.039 χ²/NDF:14287020425.2/3
Out: 139451.340+/-0.037 χ²/NDF:16369292297.2
All: 139398.818+/-0.027 χ²/NDF: 30660656

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 198.090+/-0.037 χ^2/NDF:421915.0/18

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 203.080+/-0.039 χ^2/NDF:368660.4/16

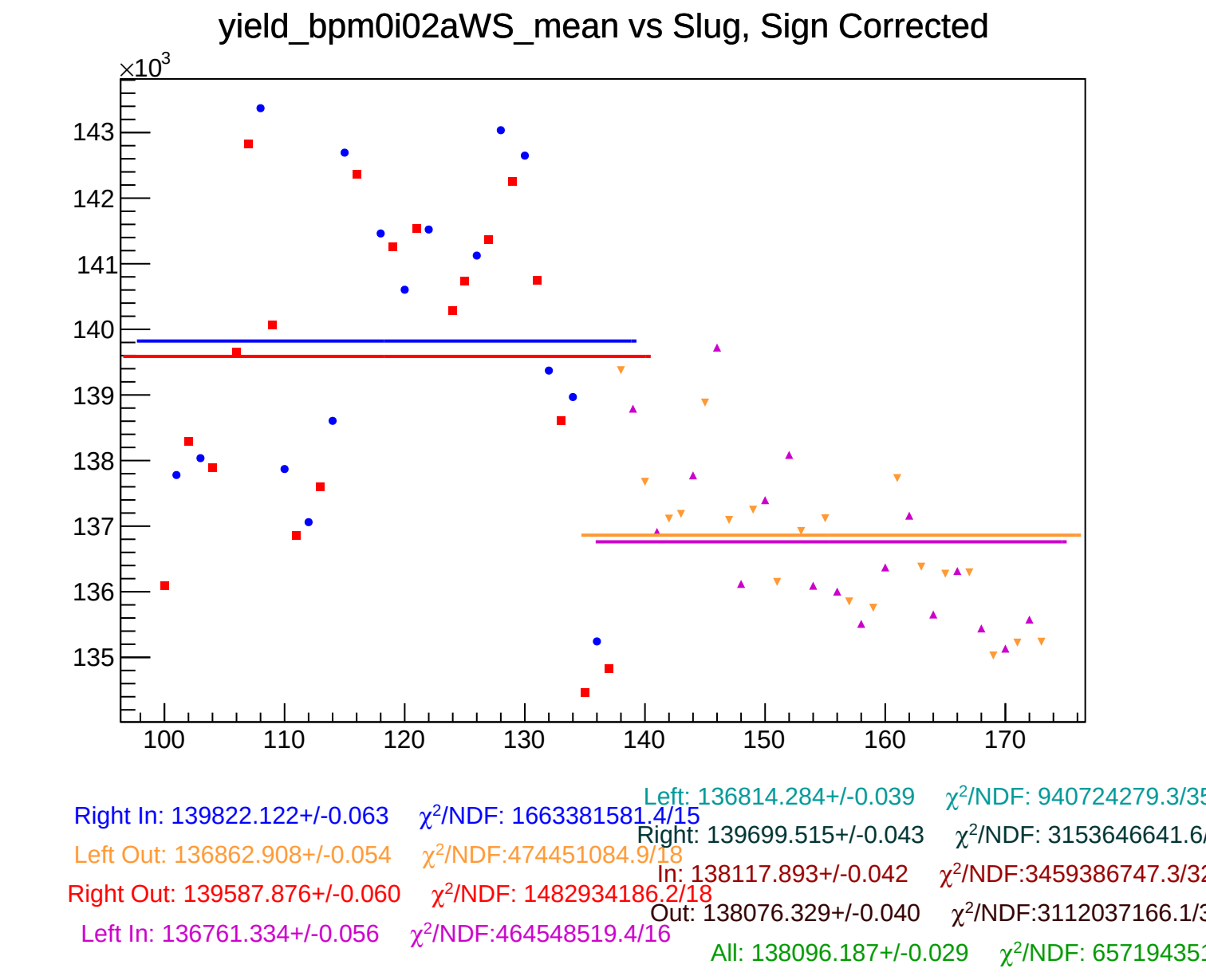
Left: 200.440+/-0.027 χ^2/NDF: 799233.7/35

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

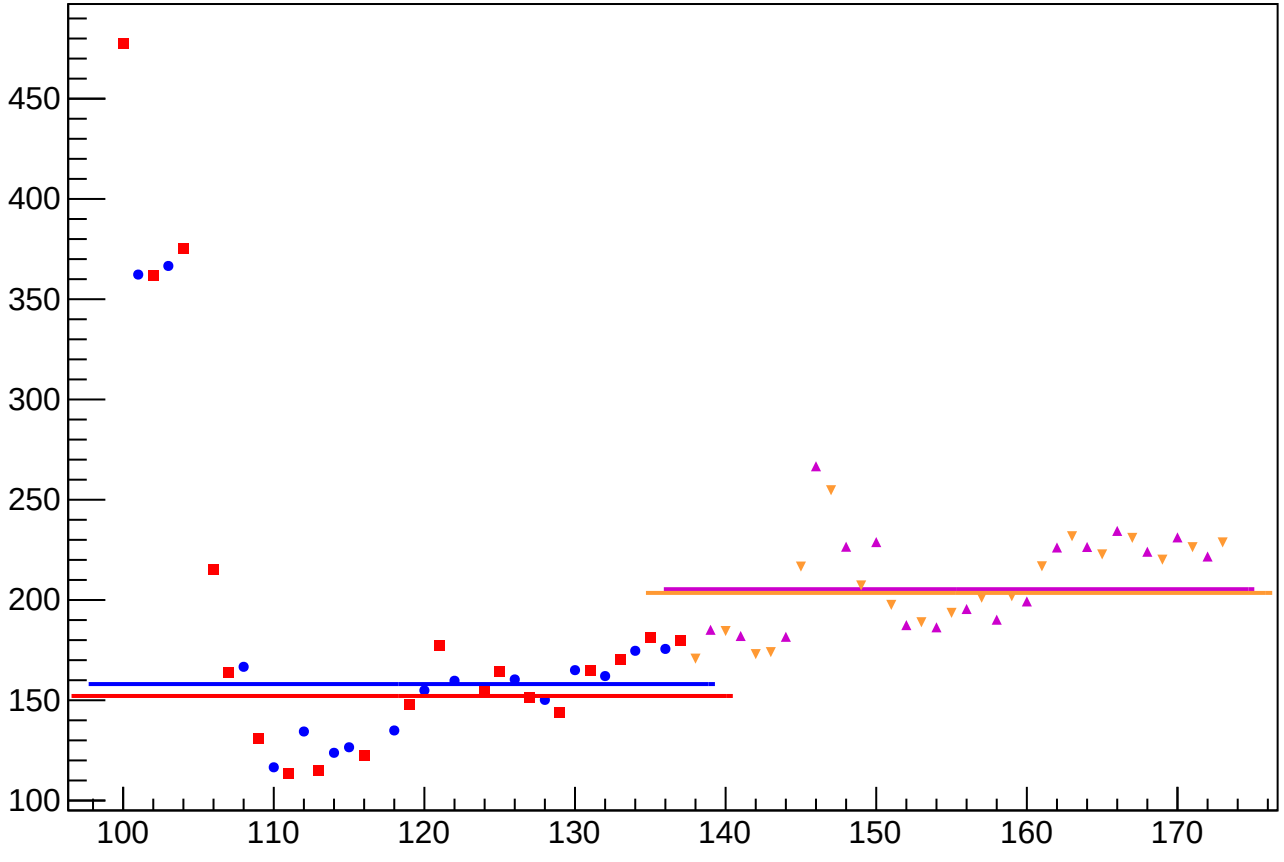
In: 169.414+/-0.027 χ^2/NDF:3230679.1/32

Out: 163.950+/-0.026 χ^2/NDF:3653478.1/37

All: 166.527+/-0.019 χ^2/NDF: 6905062.1/70


yield_bpm0i02aWS_mean vs Slug, Sign Corrected
×10^3
143
142
141
140
139
138
137
136
135
100
110
120
130
140
150
160
170
Right In: 139822.122+/-0.063 χ²/NDF: 1663381581.4/15
Left Out: 136862.908+/-0.054 χ²/NDF:474451084.9/18
Right Out: 139587.876+/-0.060 χ²/NDF: 1482934186.2/18
Left In: 136761.334+/-0.056 χ²/NDF:464548519.4/16
Left: 136814.284+/-0.039 χ²/NDF: 940724279.3/35
Right: 139699.515+/-0.043 χ²/NDF: 3153646641.6/
In: 138117.893+/-0.042 χ²/NDF:3459386747.3/32
Out: 138076.329+/-0.040 χ²/NDF:3112037166.1/3
All: 138096.187+/-0.029 χ²/NDF: 65719435

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 203.541+/-0.038 χ^2/NDF:337947.1/18

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 205.389+/-0.039 χ^2/NDF:333601.8/16

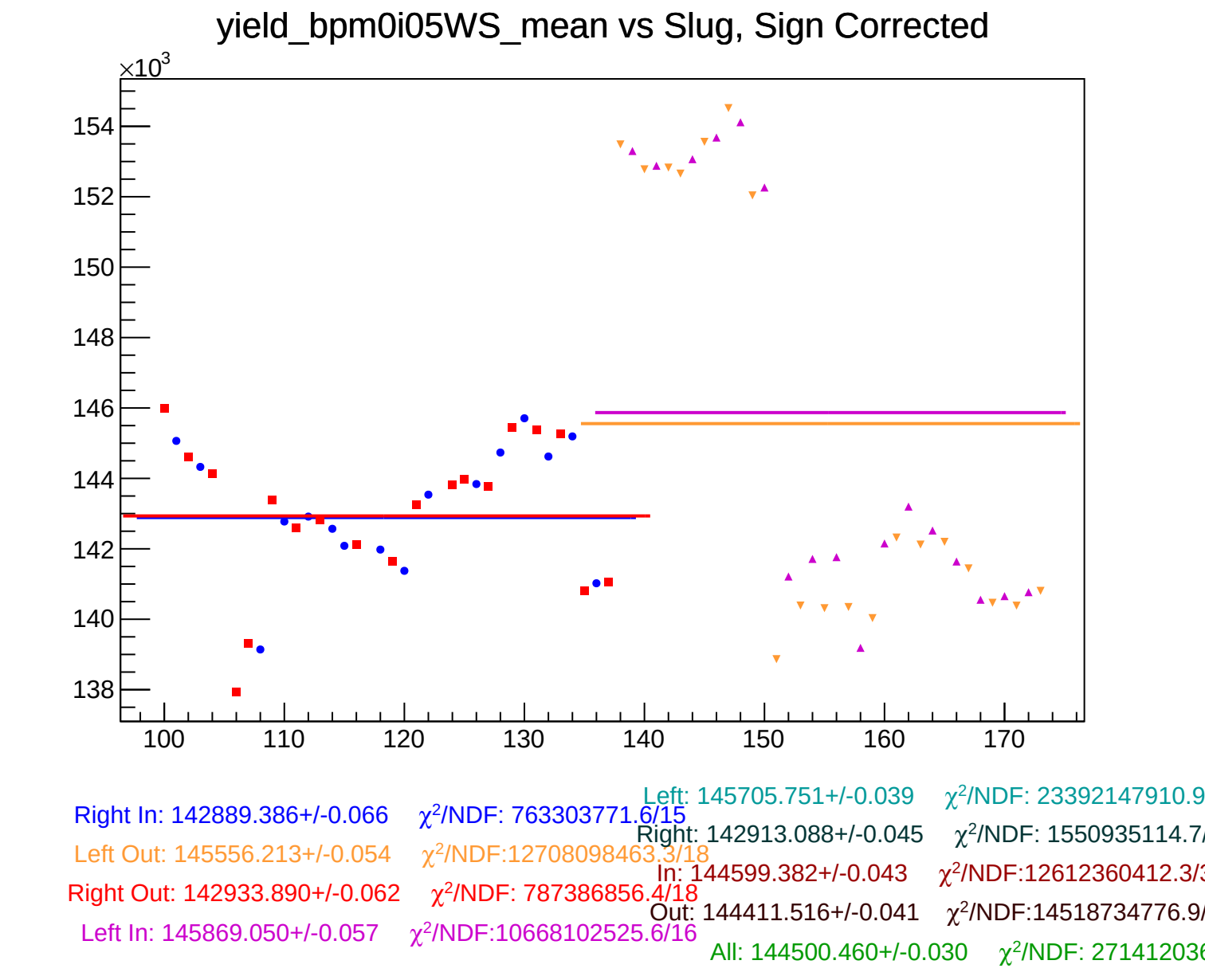
Left: 204.426+/-0.027 χ^2/NDF: 672690.6/35

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

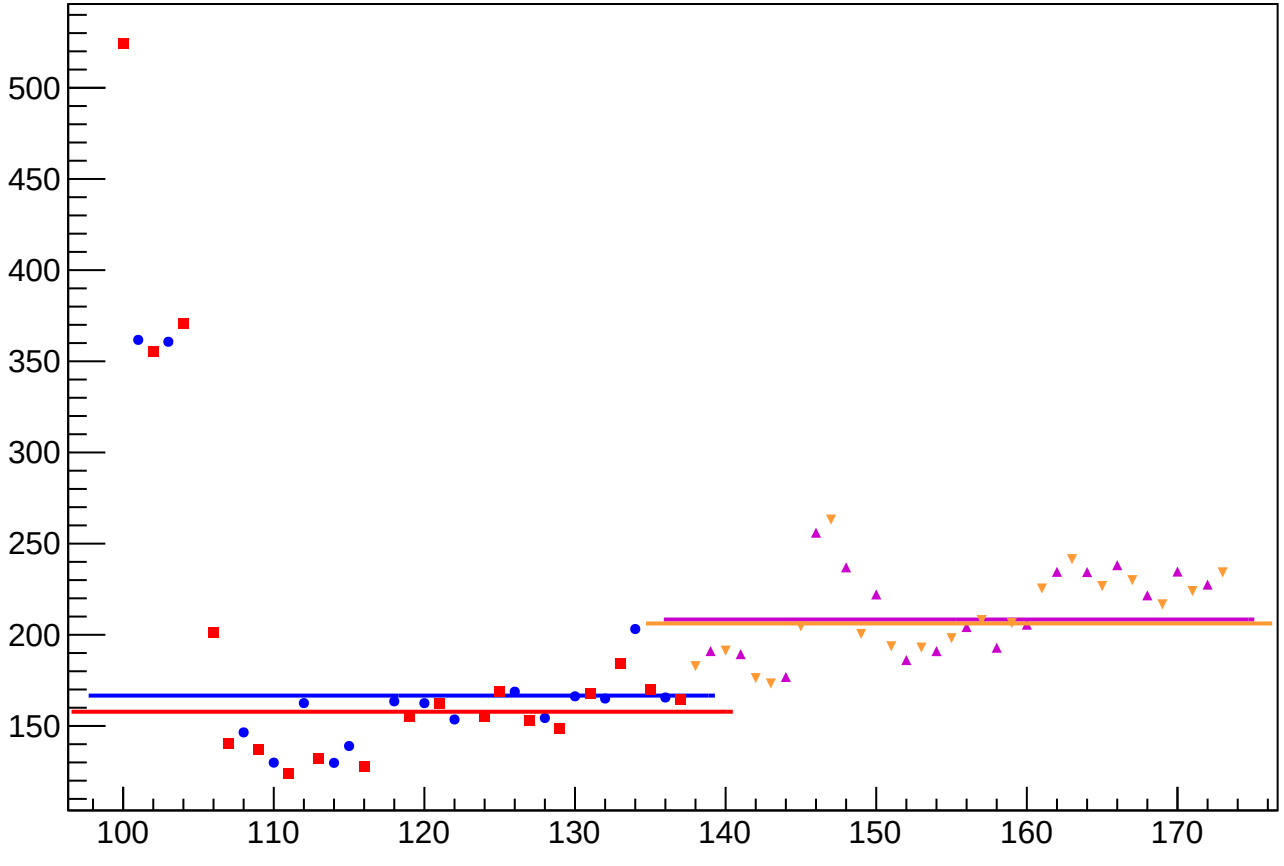
In: 184.421+/-0.029 χ^2/NDF:1987732.6/32

Out: 180.652+/-0.028 χ^2/NDF:2388722.1/37

All: 182.453+/-0.020 χ^2/NDF: 4385000.7/70


yield_bpm0i05WS_mean vs Slug, Sign Corrected
×10^3
154
152
150
148
146
144
142
140
138
100
110
120
130
140
150
160
170
Right In: 142889.386+/-0.066 χ²/NDF: 763303771.6/15
Left Out: 145556.213+/-0.054 χ²/NDF:12708098463.3/18
Right Out: 142933.890+/-0.062 χ²/NDF: 787386856.4/18
Left In: 145869.050+/-0.057 χ²/NDF:10668102525.6/16
Left: 145705.751+/-0.039 χ²/NDF: 23392147910.9
Right: 142913.088+/-0.045 χ²/NDF: 1550935114.7/
In: 144599.382+/-0.043 χ²/NDF:12612360412.3/3
Out: 144411.516+/-0.041 χ²/NDF:14518734776.9/
All: 144500.460+/-0.030 χ²/NDF: 27141203

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 206.212+/-0.038 χ^2/NDF:320154.6/18

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 208.386+/-0.040 χ^2/NDF:317186.9/16

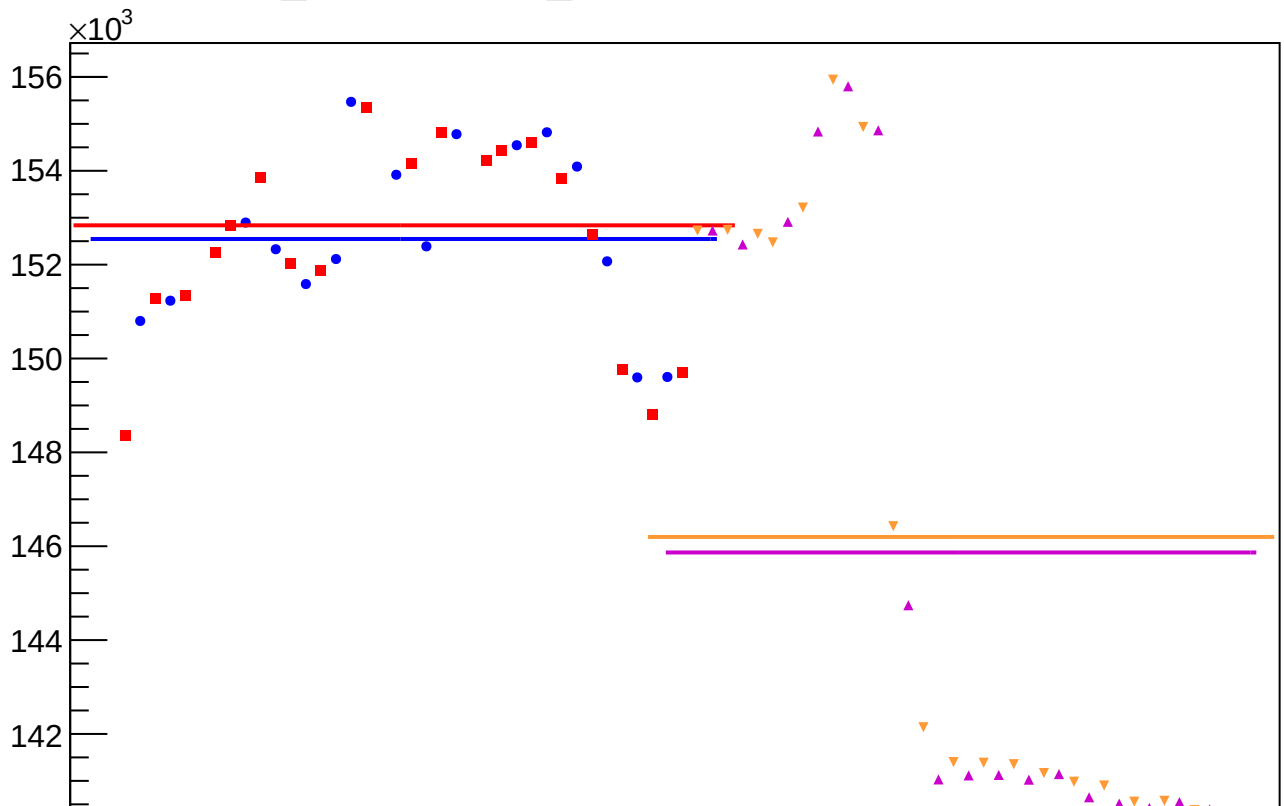
Left: 207.251+/-0.028 χ^2/NDF: 638881.2/35

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 190.605+/-0.030 χ^2/NDF:1644012.1/32

Out: 185.083+/-0.029 χ^2/NDF:2039739.0/37

All: 187.697+/-0.021 χ^2/NDF: 3701213.2/70



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 146197.525+/-0.054 χ^2/NDF:11893744629.4/18

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 145866.882+/-0.056 χ^2/NDF:11641393503.0/16

Left: 146038.855+/-0.039 χ^2/NDF: 23553134968.5

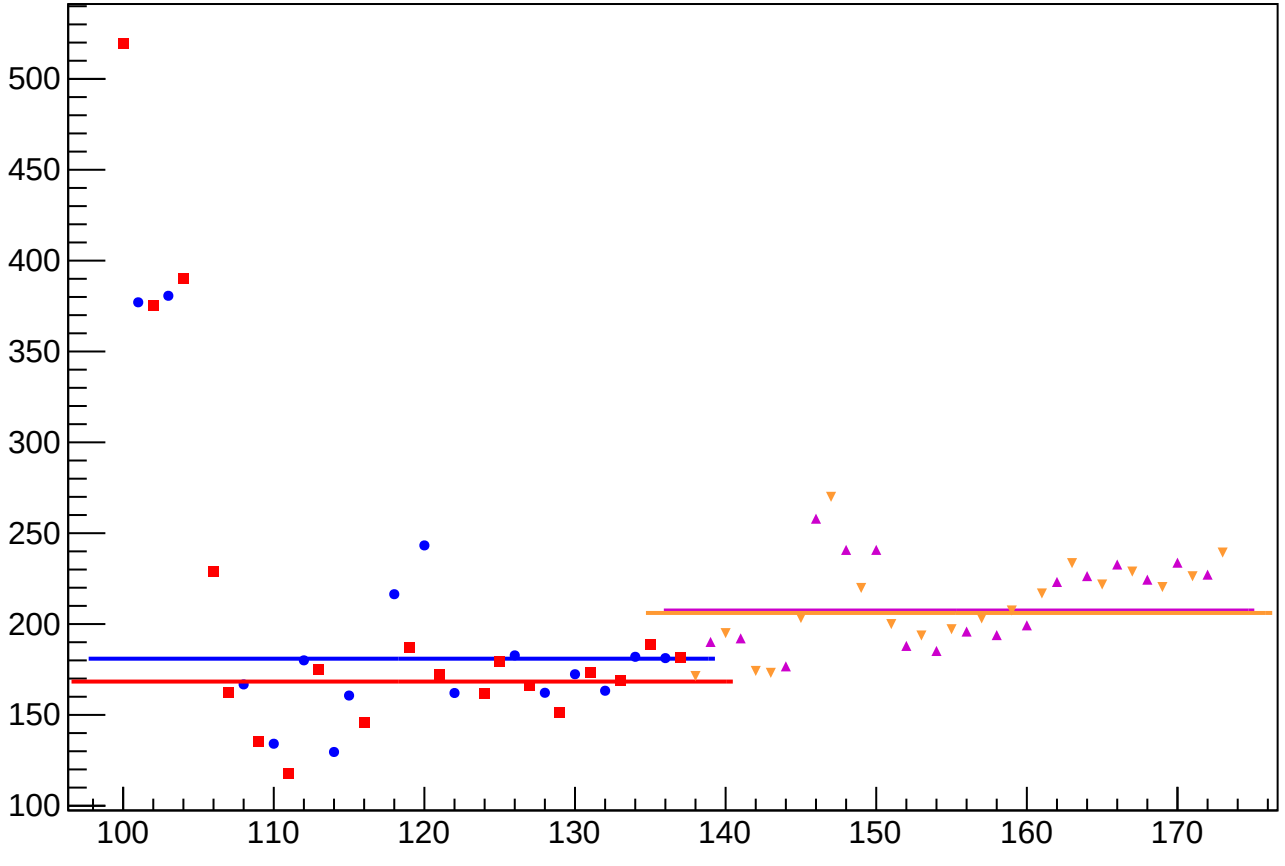
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 148369.790+/-0.044 χ^2/NDF:17587660178.0/3

Out: 148828.100+/-0.042 χ^2/NDF:18622800156.5

All: 148612.157+/-0.031 χ^2/NDF: 36266827

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 206.113+/-0.038 χ^2/NDF:361775.7/18

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 207.450+/-0.040 χ^2/NDF:342606.9/16

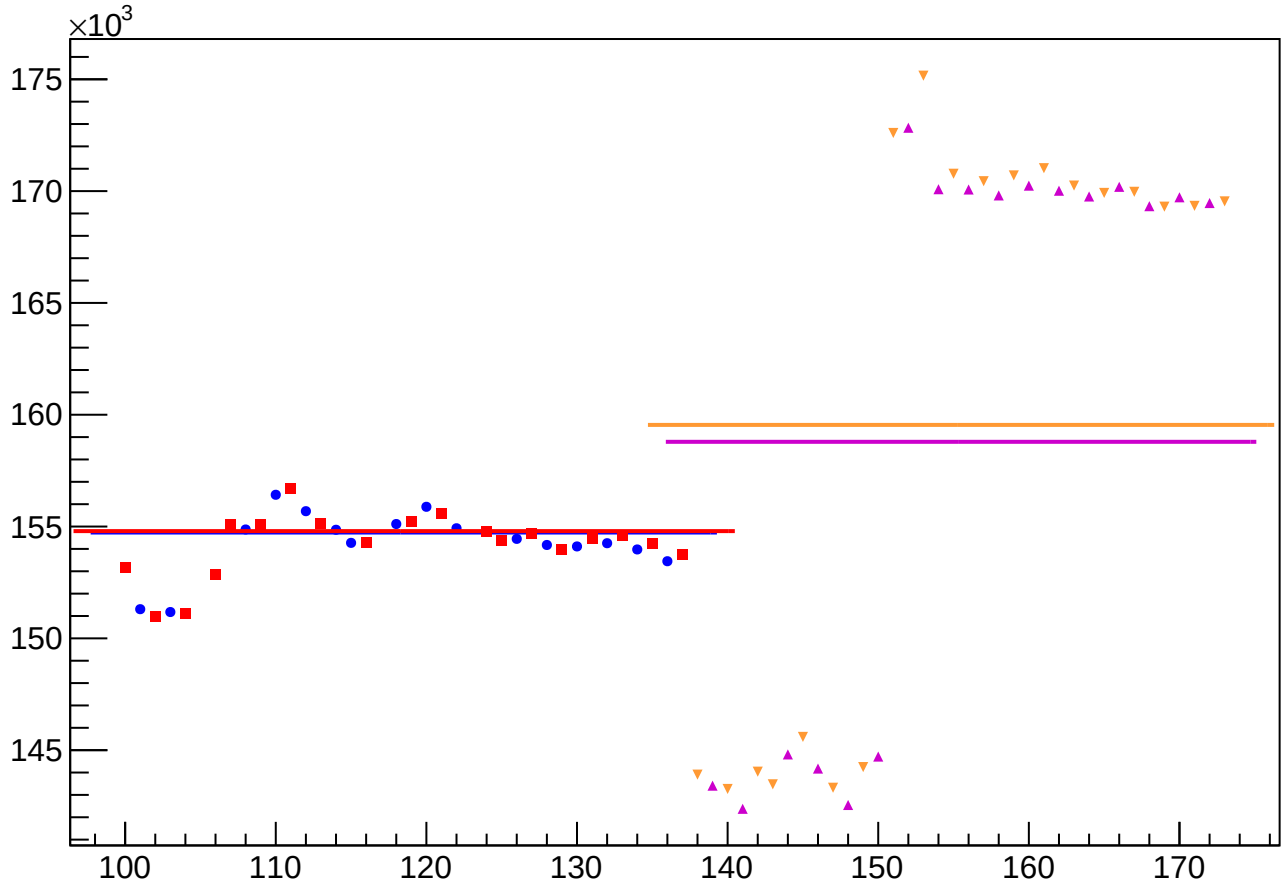
Left: 206.755+/-0.028 χ^2/NDF: 704971.1/35

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 197.517+/-0.031 χ^2/NDF:1417069.4/32

Out: 191.153+/-0.030 χ^2/NDF:1838470.6/37

All: 194.151+/-0.022 χ^2/NDF: 3277217.9/70



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 159545.238+/-0.051 χ^2/NDF:70321416745.9/18

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

Left In: 158789.160+/-0.053 χ^2/NDF:61945755563.4/16

Left: 159184.144+/-0.037 χ^2/NDF: 132372755600.

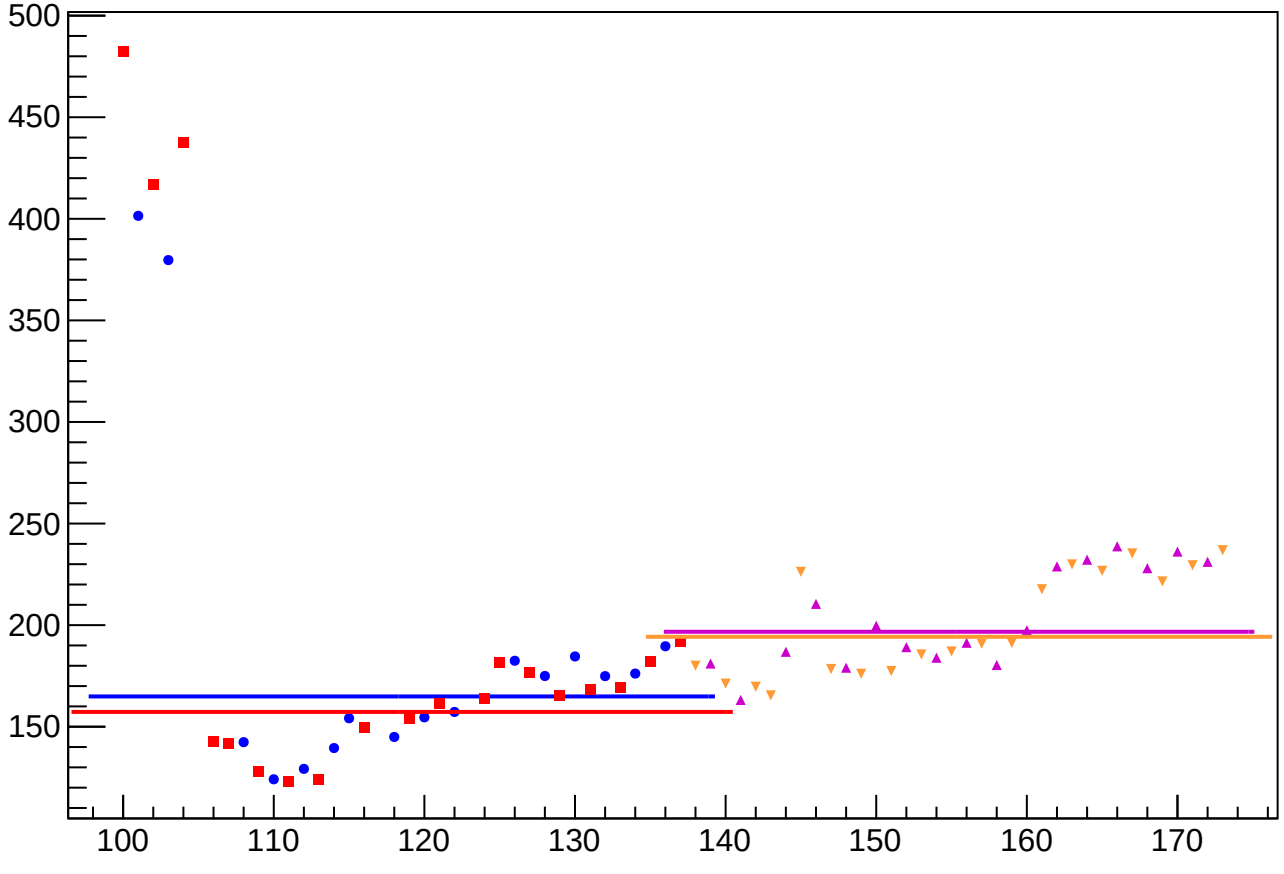
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 157168.529+/-0.041 χ^2/NDF:64544202151.2/3

Out: 157600.451+/-0.039 χ^2/NDF:74197563162.8

All: 157395.965+/-0.028 χ^2/NDF: 13879960

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 194.262+/-0.036 χ^2/NDF:435540.3/18

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 196.736+/-0.038 χ^2/NDF:350538.1/16

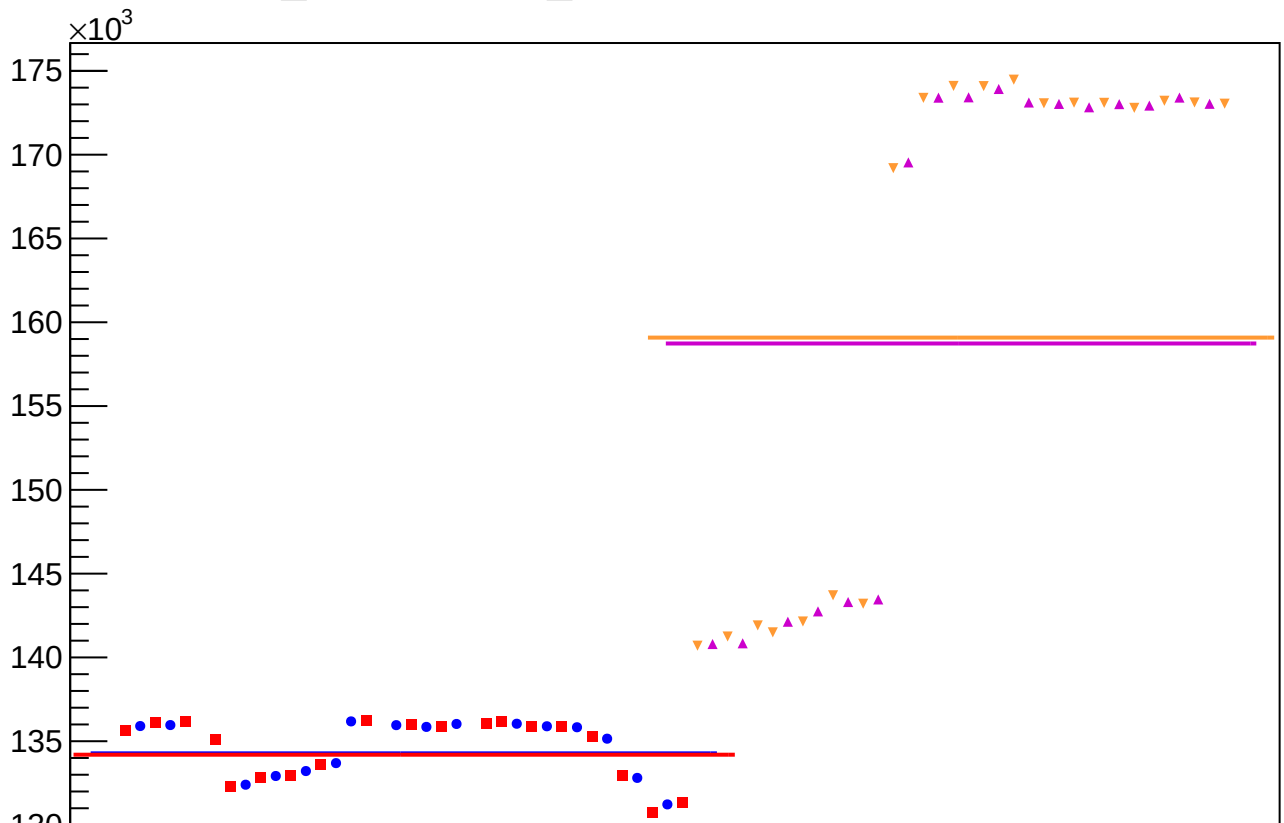
Left: 195.443+/-0.026 χ^2/NDF: 788340.2/35

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 184.018+/-0.029 χ^2/NDF:1709509.3/32

Out: 179.119+/-0.028 χ^2/NDF:2123462.6/37

All: 181.439+/-0.020 χ^2/NDF: 3847852.6/70



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 159084.974+/-0.052 χ^2/NDF:89339389875.1/18

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

Left In: 158733.277+/-0.054 χ^2/NDF:80174289143.9/16

Left: 158917.598+/-0.037 χ^2/NDF: 169535793079.

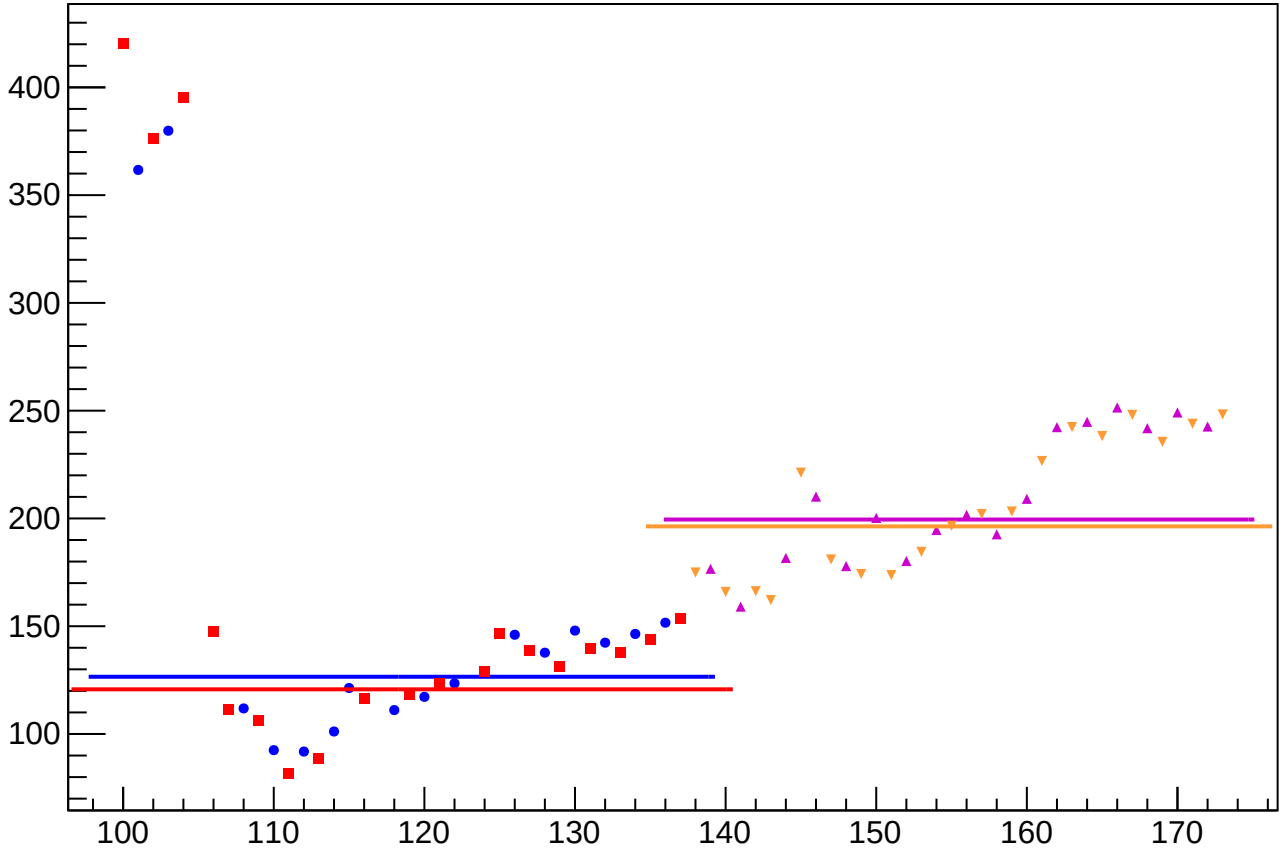
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8

In: 145732.572+/-0.037 χ^2/NDF:189784015260.9

Out: 145736.531+/-0.035 χ^2/NDF:215357235577.

All: 145734.657+/-0.025 χ^2/NDF: 40514125

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 196.320+/-0.036 χ^2/NDF:644260.3/18

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 199.495+/-0.038 χ^2/NDF:520938.8/16

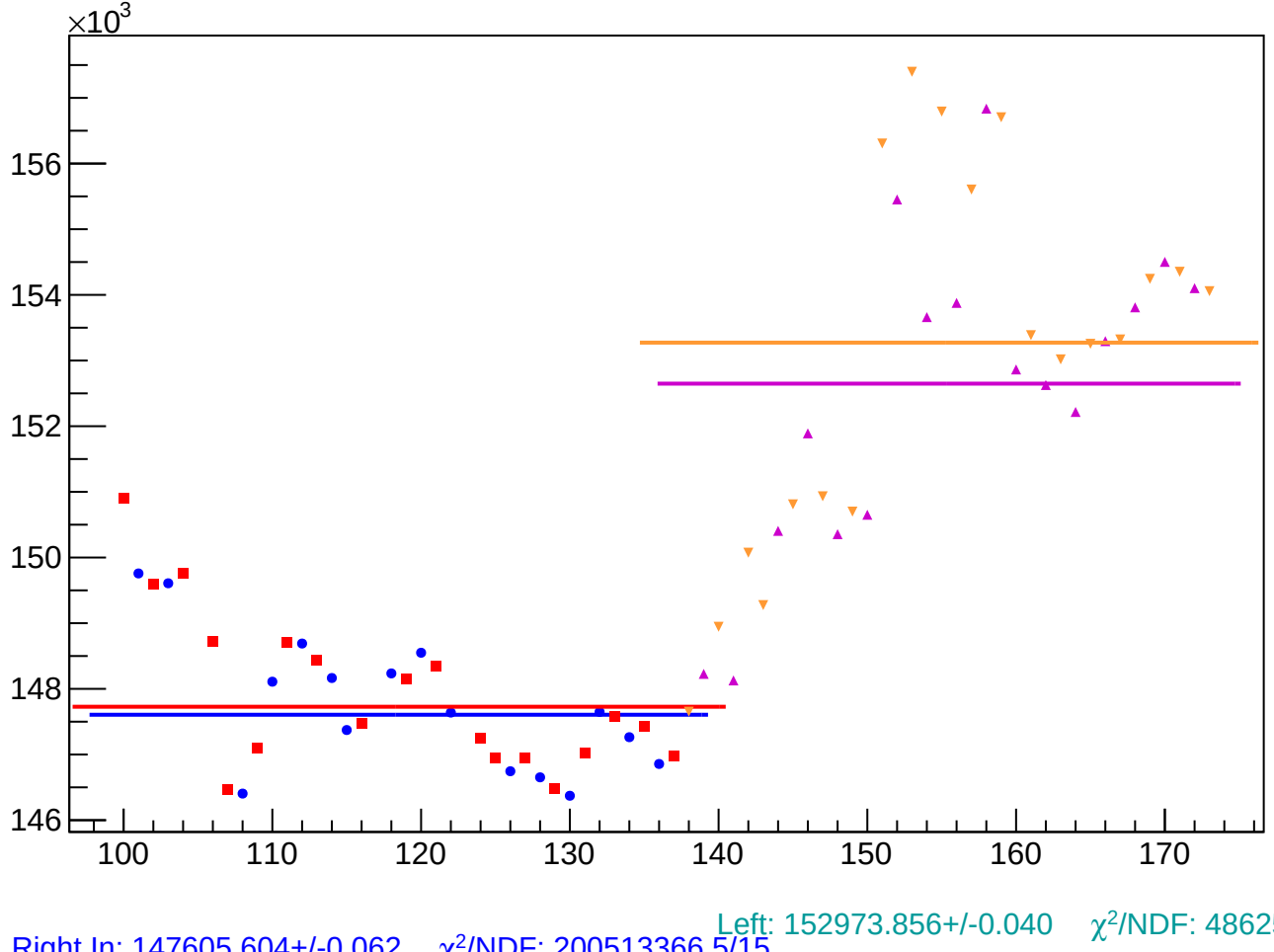
Left: 197.831+/-0.026 χ^2/NDF: 1168804.1/35

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 160.720+/-0.026 χ^2/NDF:3928086.7/32

Out: 155.777+/-0.025 χ^2/NDF:4579769.2/37

All: 158.117+/-0.018 χ^2/NDF: 8526597.4/70



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153272.761+/-0.055 χ^2/NDF:2957832141.7/18

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

Left In: 152648.209+/-0.057 χ^2/NDF:1843155127.8/16

Left: 152973.856+/-0.040 χ^2/NDF: 4862597443.3/3

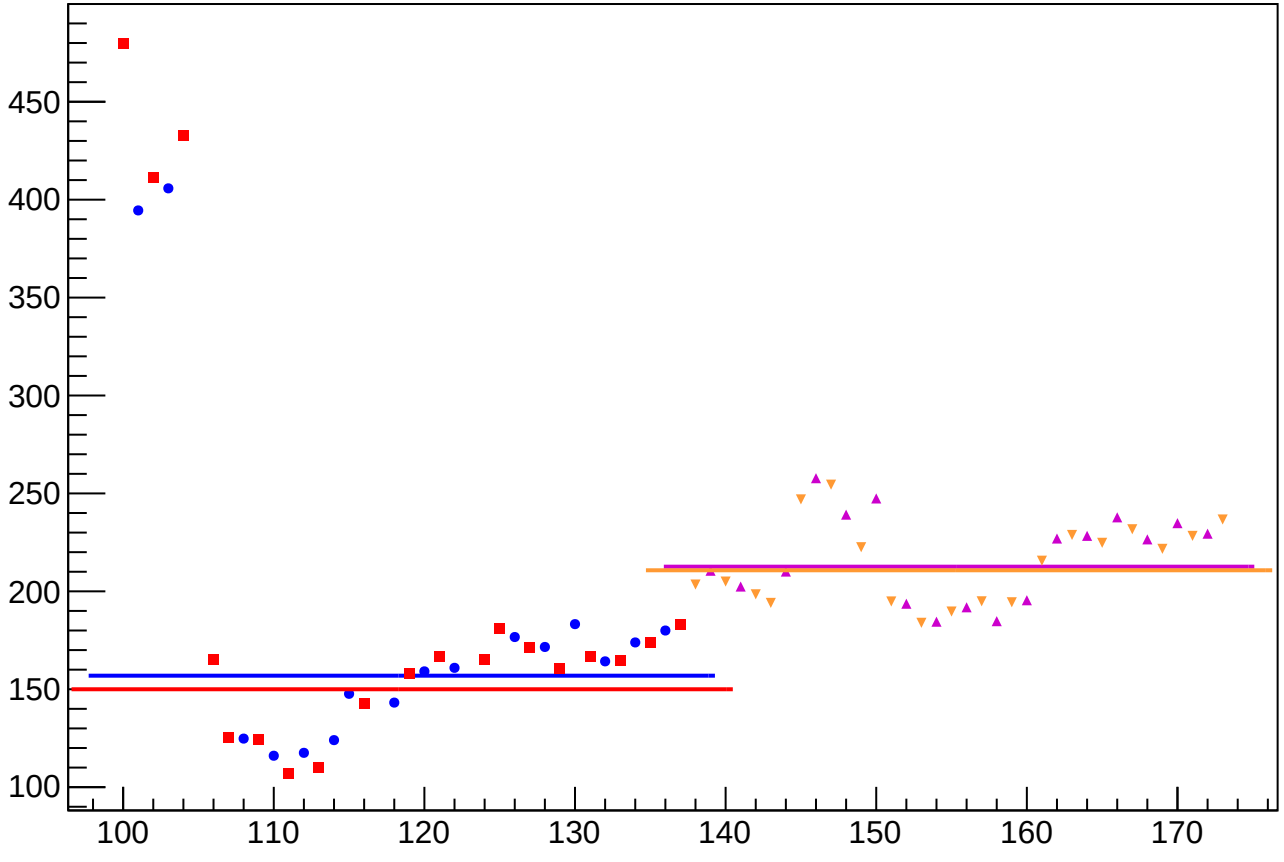
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 150337.549+/-0.042 χ^2/NDF:5573280026.4/32

Out: 150689.042+/-0.040 χ^2/NDF:7880989081.2/3

All: 150522.078+/-0.029 χ^2/NDF: 13490535

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 210.753+/-0.039 χ^2/NDF:254973.1/18

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 212.590+/-0.041 χ^2/NDF:296017.4/16

Left: 211.632+/-0.028 χ^2/NDF: 552056.0/35

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 187.084+/-0.030 χ^2/NDF:2421944.9/32

Out: 182.443+/-0.028 χ^2/NDF:2844277.5/37

All: 184.647+/-0.021 χ^2/NDF: 5278865.1/70

Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 166285.952+/-0.050 χ^2/NDF:55759171910.9/18

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 166030.095+/-0.053 χ^2/NDF:51155818373.2/16

Left: 166164.307+/-0.036 χ^2/NDF: 106927432468.

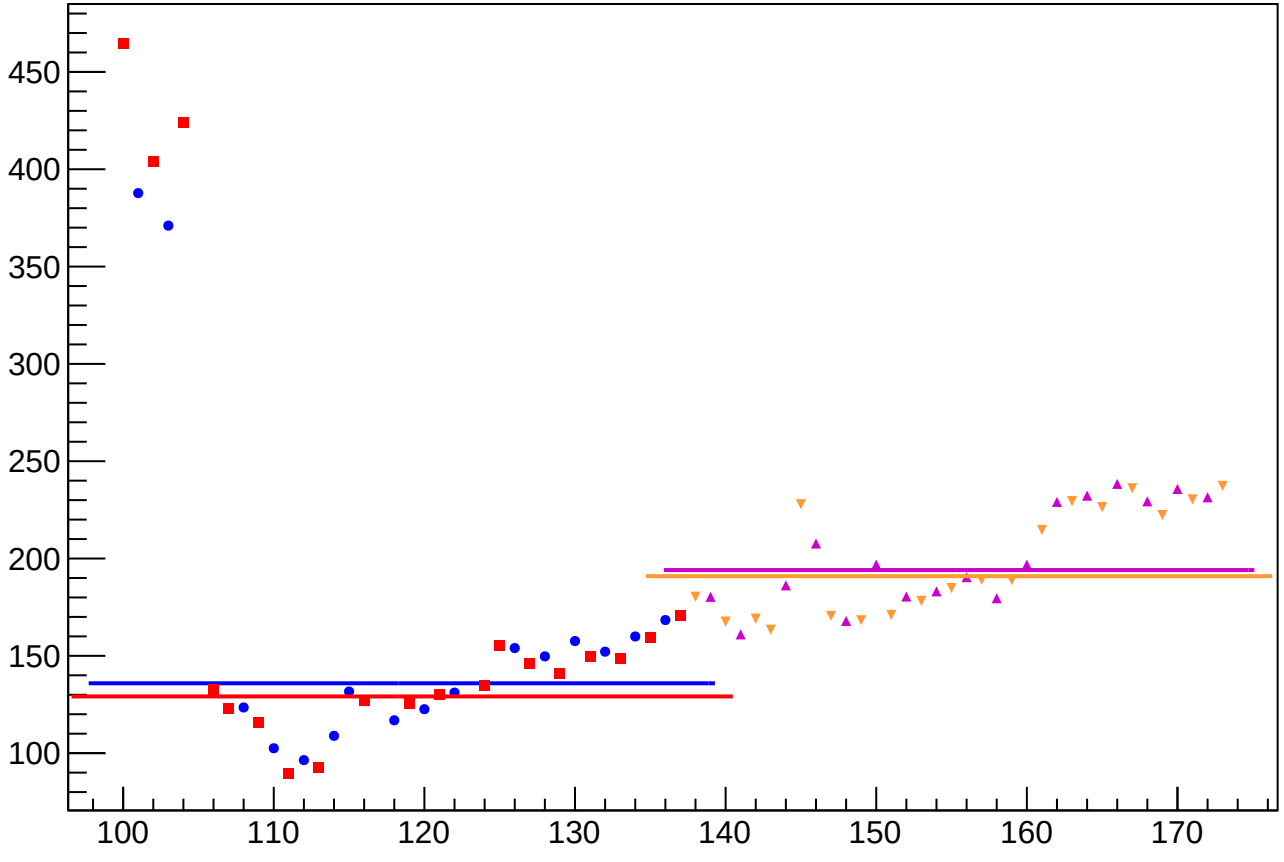
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 158598.804+/-0.038 χ^2/NDF:93024371961.3/3

Out: 158574.348+/-0.036 χ^2/NDF:104431853347.

All: 158585.859+/-0.026 χ^2/NDF: 19745644

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 190.936+/-0.035 χ^2/NDF:520372.5/18

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 194.088+/-0.037 χ^2/NDF:405601.5/16

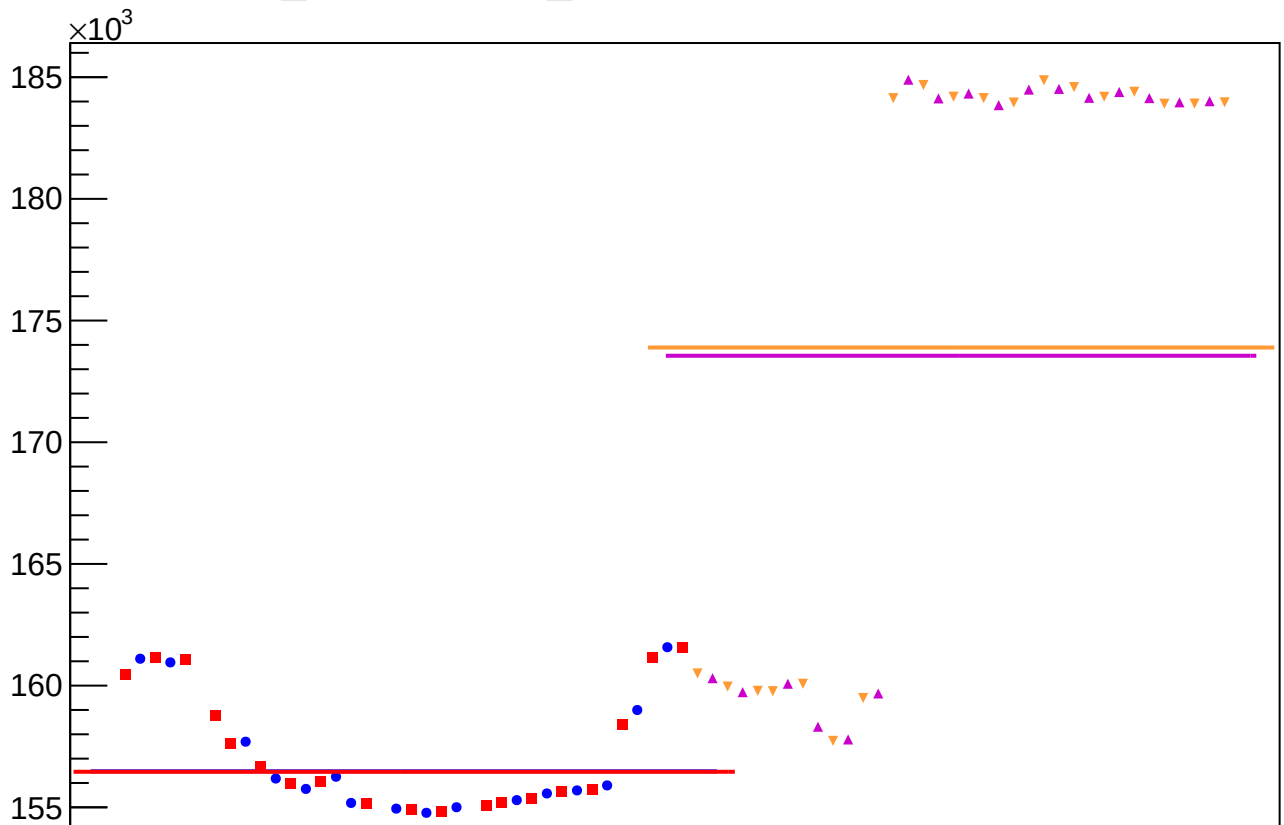
Left: 192.435+/-0.026 χ^2/NDF: 929750.3/35

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

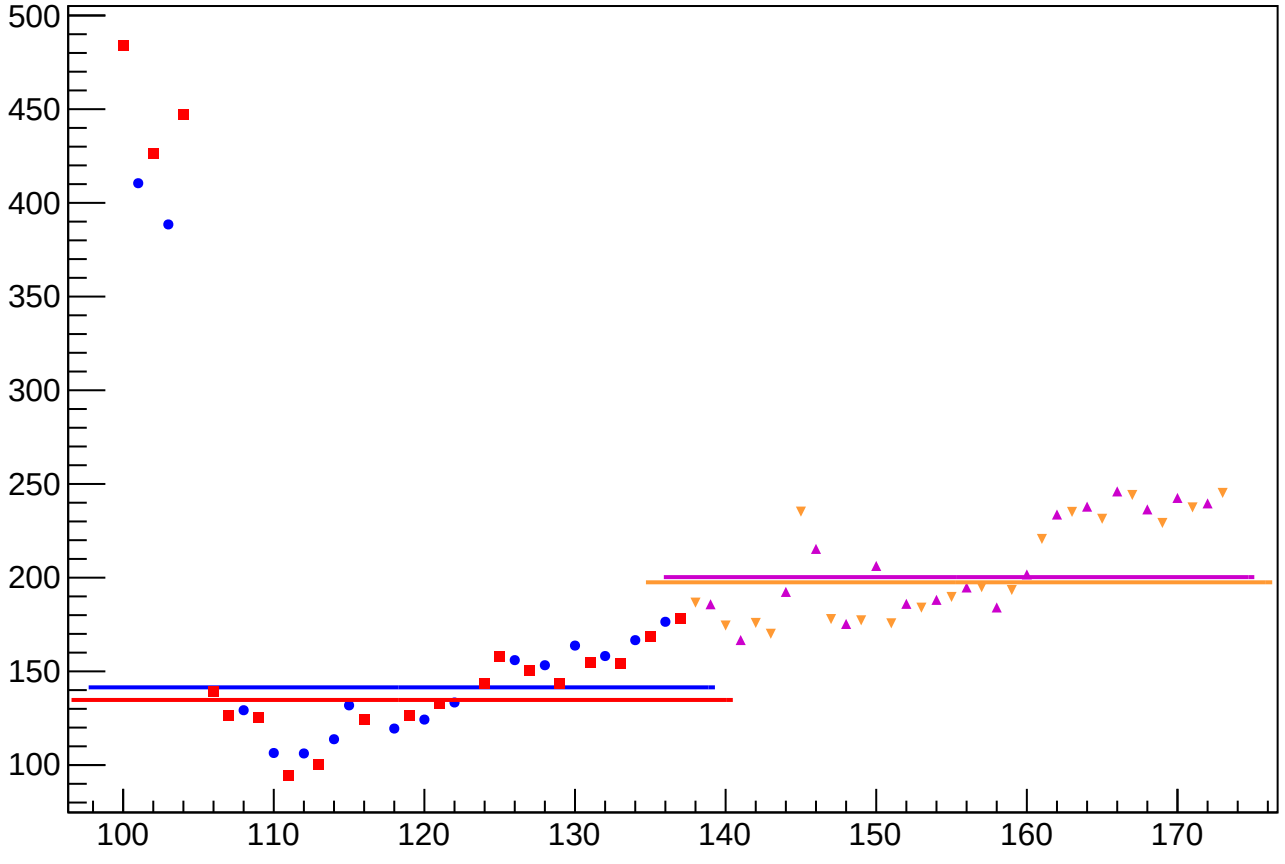
In: 166.119+/-0.027 χ^2/NDF:3001382.0/32

Out: 160.625+/-0.025 χ^2/NDF:3632528.3/37

All: 163.211+/-0.018 χ^2/NDF: 6656202.0/70


yield_bpm2i02WS_mean vs Slug, Sign Corrected
×10^3
185
180
175
170
165
160
155
100
110
120
130
140
150
160
170
Right In: 156478.318+/-0.057 χ²/NDF: 1289449253.3/15
Left Out: 173892.315+/-0.052 χ²/NDF:55683356136.2/18
Right Out: 156460.550+/-0.053 χ²/NDF: 1100531658.8/18
Left In: 173554.256+/-0.054 χ²/NDF:52015357556.9/16
Left: 173731.225+/-0.037 χ²/NDF: 107719074195.
Right: 156468.838+/-0.039 χ²/NDF: 2390033091.6
In: 165417.149+/-0.039 χ²/NDF:100593119401.8
Out: 165410.637+/-0.037 χ²/NDF:112061484265.
All: 165413.708+/-0.027 χ²/NDF: 21265461

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 197.524+/-0.037 χ^2/NDF:490765.9/18

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 200.296+/-0.038 χ^2/NDF:394848.2/16

Left: 198.845+/-0.026 χ^2/NDF: 888352.1/35

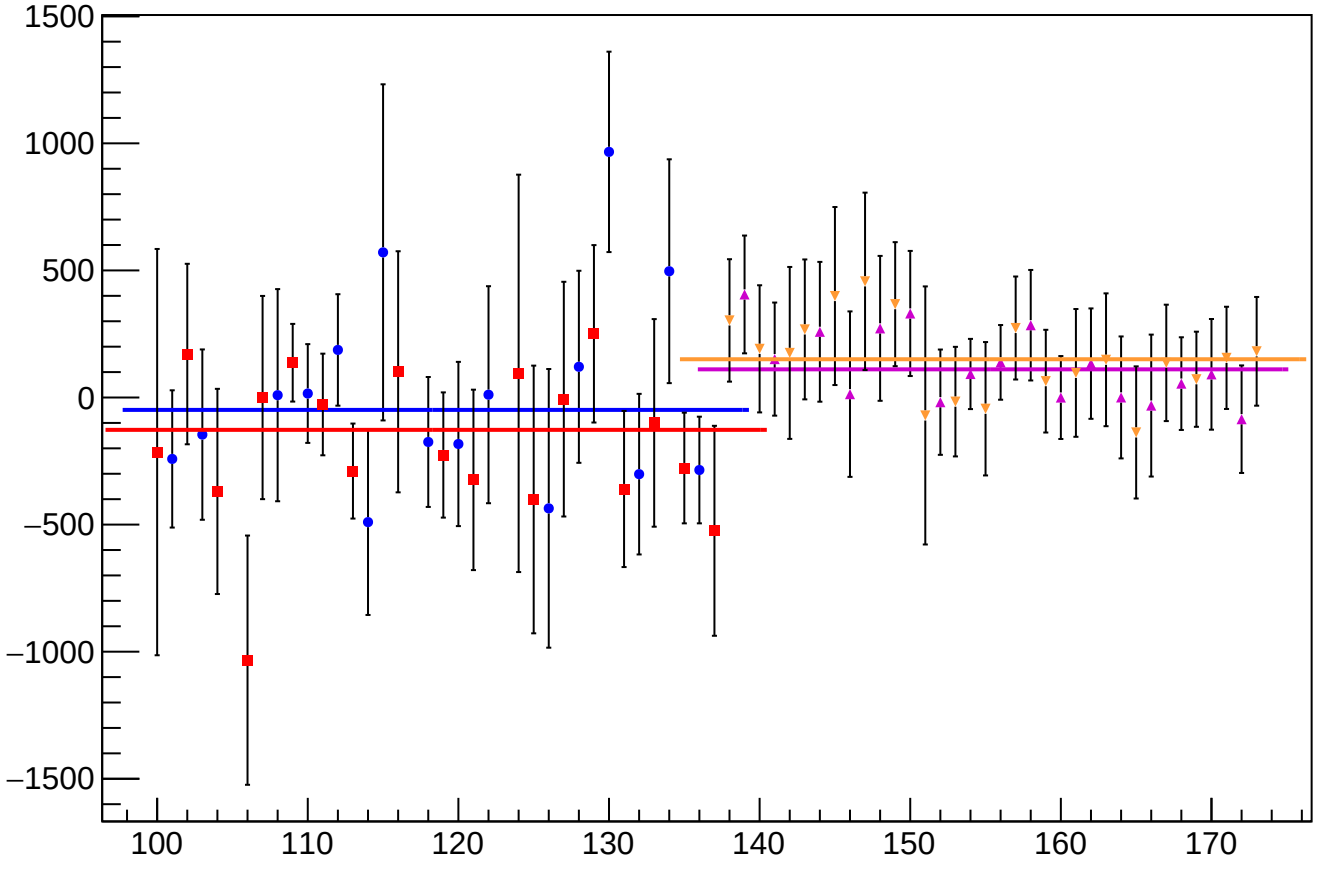
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 172.264+/-0.028 χ^2/NDF:2909202.6/32

Out: 166.978+/-0.026 χ^2/NDF:3503698.2/37

All: 169.472+/-0.019 χ^2/NDF: 6432093.4/70

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 150.546+/-56.200 χ^2/NDF:6.0/18

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 110.811+/-50.250 χ^2/NDF:6.1/16

Left: 128.465+/-37.460 χ^2/NDF: 12.5/35

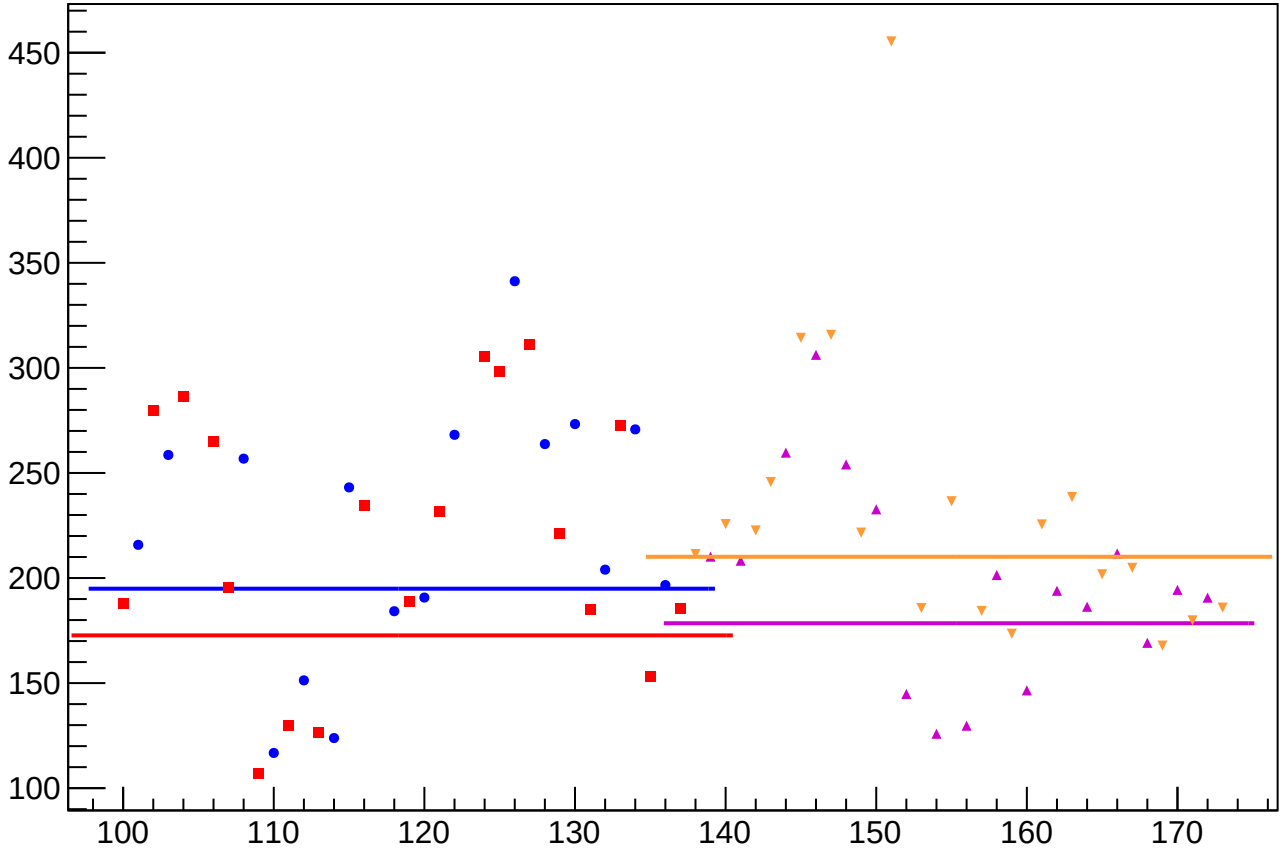
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 62.797+/-42.015 χ^2/NDF:24.6/32

Out: 38.796+/-43.450 χ^2/NDF:28.7/37

All: 51.200+/-30.204 χ^2/NDF: 53.5/70

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 210.112+/-0.040 χ^2/NDF:1226357.8/18

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 178.480+/-0.036 χ^2/NDF:1518125.3/16

Left: 192.533+/-0.026 χ^2/NDF: 3096595.2/35

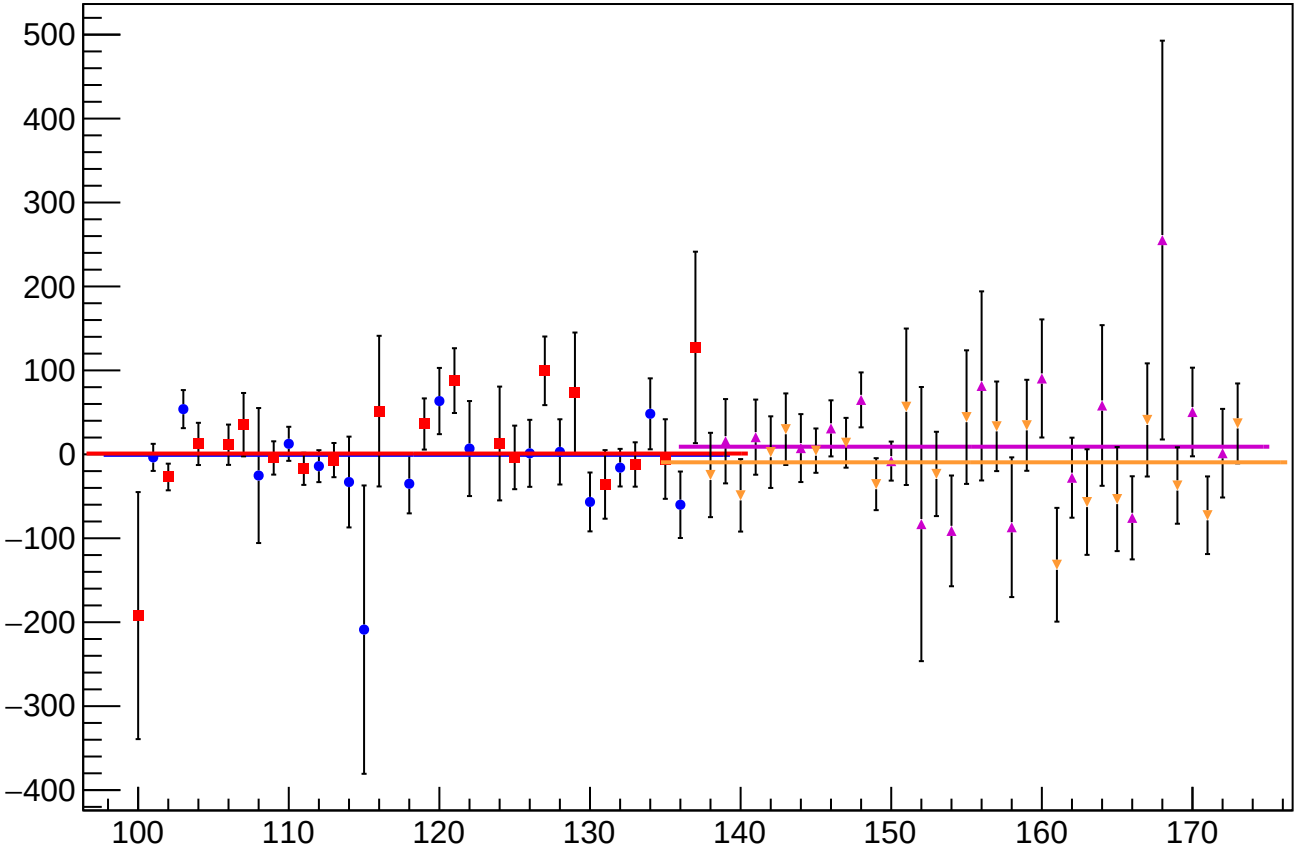
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 183.428+/-0.030 χ^2/NDF:2611466.3/32

Out: 195.064+/-0.031 χ^2/NDF:3214171.5/37

All: 189.050+/-0.021 χ^2/NDF: 5899767.3/70

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -9.501+/-10.342 χ^2/NDF:13.9/18

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 9.084+/-11.494 χ^2/NDF:15.2/16

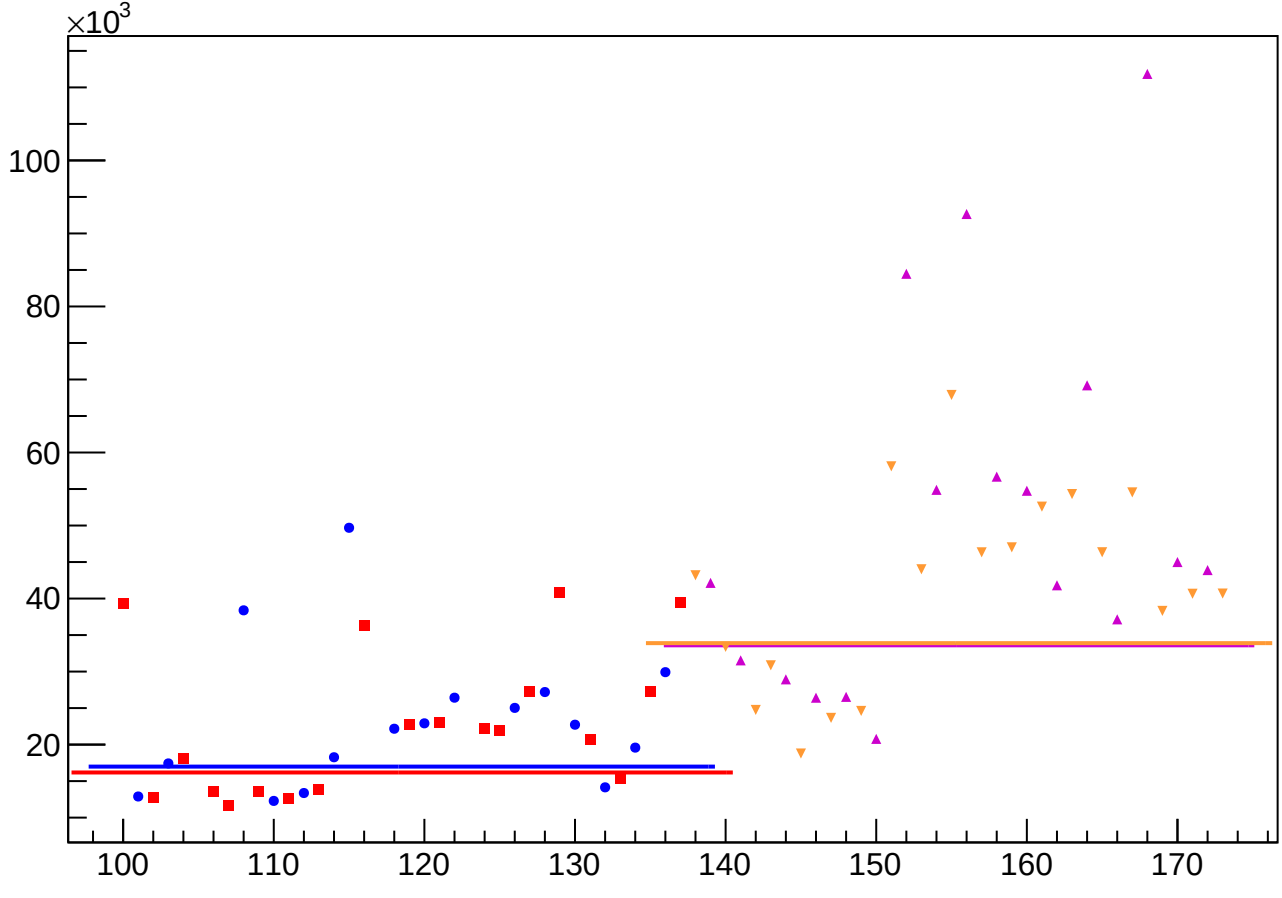
Left: -1.186+/-7.688 χ^2/NDF: 30.5/35

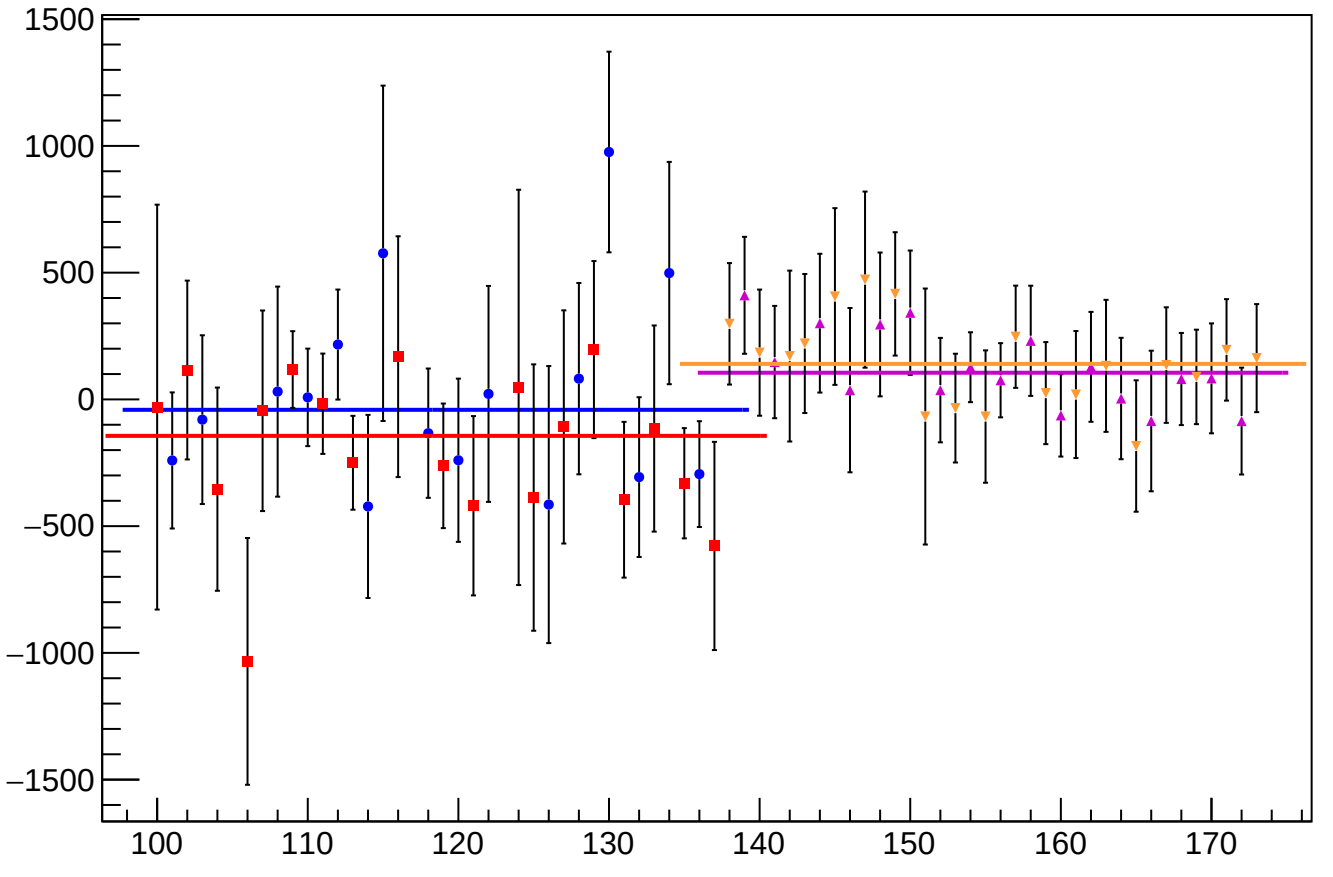
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 2.188+/-6.186 χ^2/NDF:34.6/32

Out: -2.192+/-5.663 χ^2/NDF:37.6/37

All: -0.195+/-4.177 χ^2/NDF: 72.4/70


asym_bcm_an_diff_rms vs Slug, Sign Corrected
×10^3
100
80
60
40
20
100
110
120
130
140
150
160
170
Right In: 16986.402+/-5.190 χ²/NDF: 1194096.1/15
Left Out: 33894.612+/-7.313 χ²/NDF:2784422.6/18
Right Out: 16181.928+/-4.785 χ²/NDF: 1251495.8/18
Left In: 33596.222+/-8.127 χ²/NDF:2901107.1/16
Left: 33761.111+/-5.436 χ²/NDF: 5686274.6/35
Right: 16551.529+/-3.518 χ²/NDF: 2458578.1/34
In: 21798.303+/-4.374 χ²/NDF:7061989.5/32
Out: 21492.038+/-4.004 χ²/NDF:8143844.3/37
All: 21631.659+/-2.954 χ²/NDF: 15208500.9



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 140.098+/-55.971 χ^2/NDF:7.4/18

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 105.221+/-50.074 χ^2/NDF:6.8/16

Left: 120.726+/-37.319 χ^2/NDF: 14.4/35

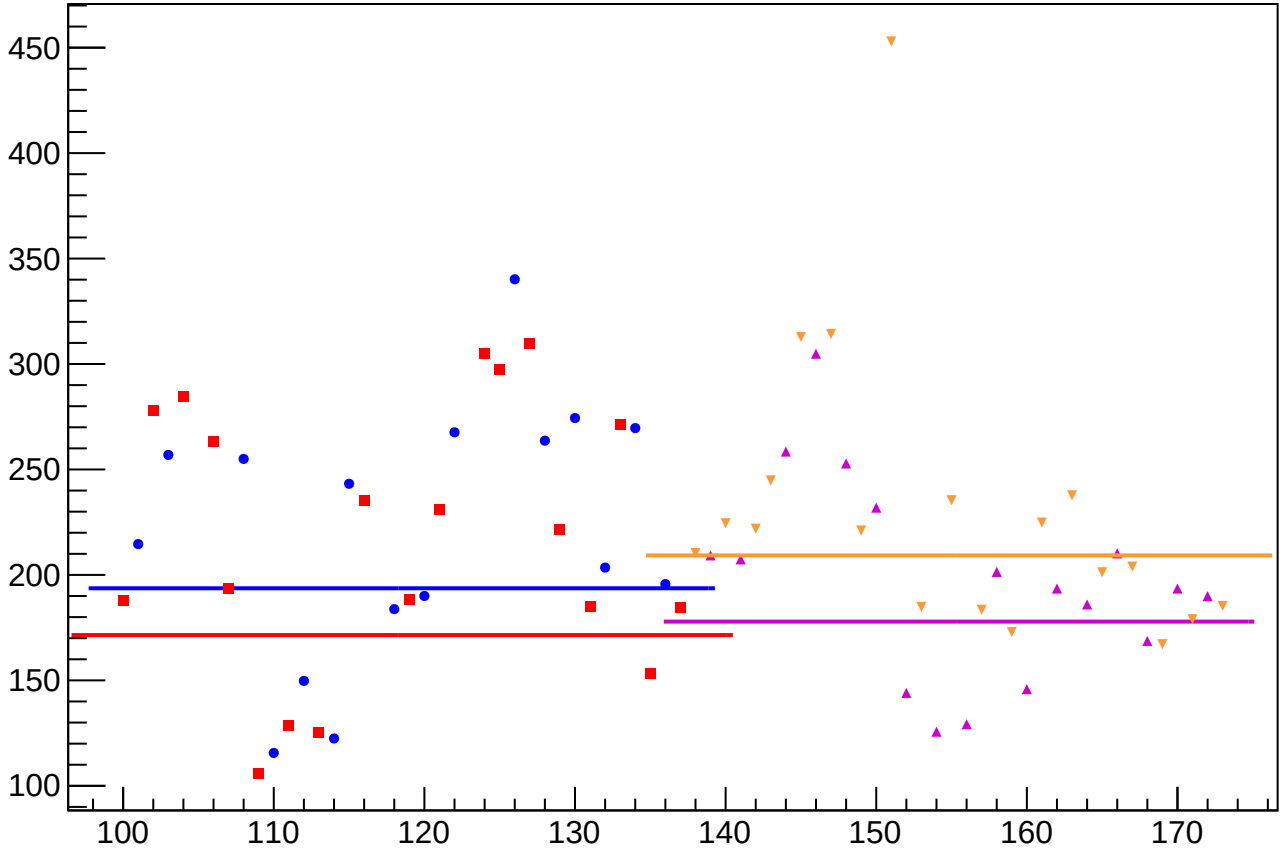
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 61.072+/-41.840 χ^2/NDF:24.9/32

Out: 25.590+/-43.235 χ^2/NDF:30.8/37

All: 43.913+/-30.067 χ^2/NDF: 56.0/70

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 209.268+/-0.040 χ^2/NDF:1225052.8/18

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 177.871+/-0.035 χ^2/NDF:1514928.2/16

Left: 191.829+/-0.026 χ^2/NDF: 3089526.6/35

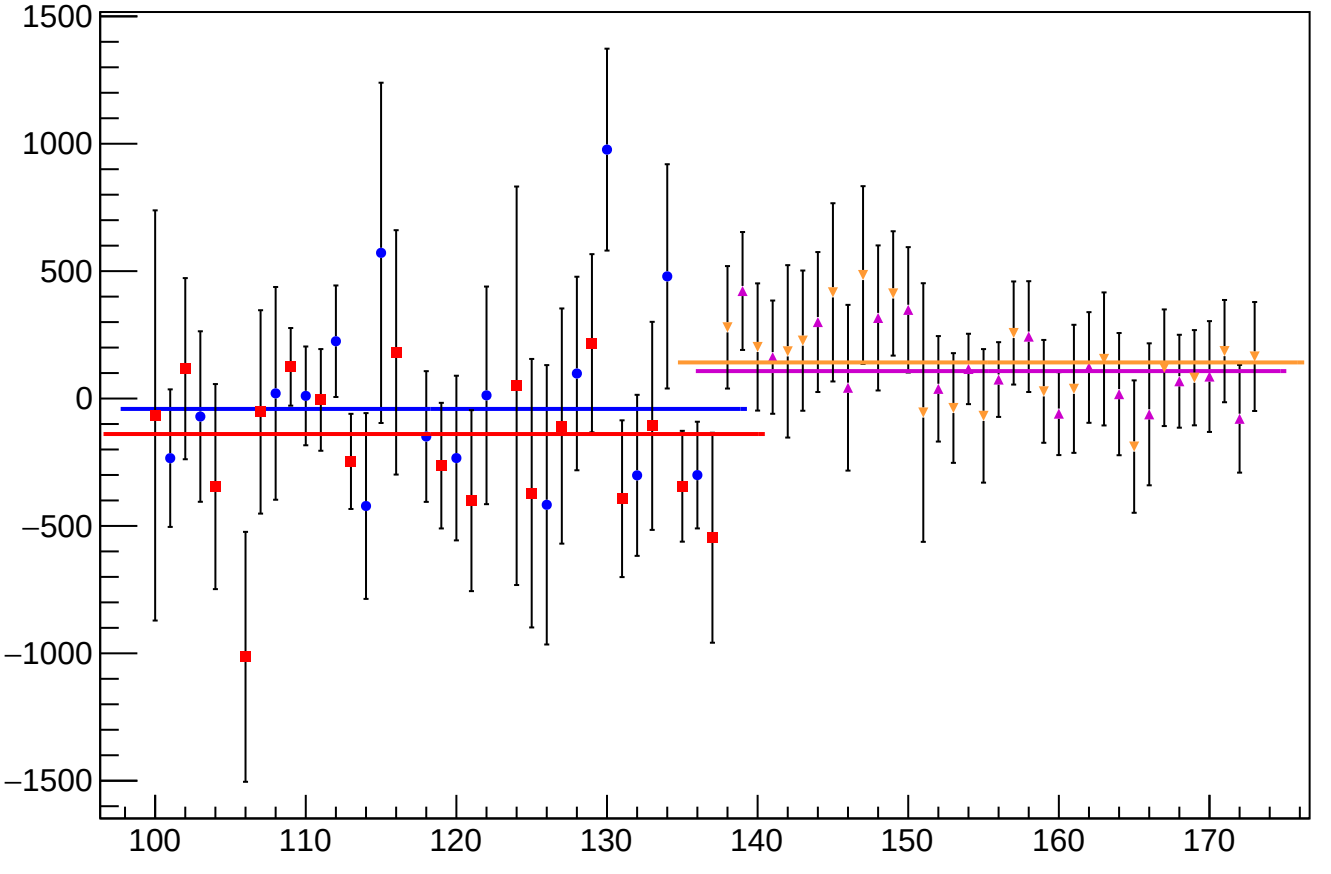
Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 182.640+/-0.030 χ^2/NDF:2624795.6/32

Out: 194.029+/-0.031 χ^2/NDF:3245627.0/37

All: 188.148+/-0.021 χ^2/NDF: 5942090.3/70

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 141.725+/-56.145 χ^2/NDF:7.4/18

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 107.694+/-50.207 χ^2/NDF:6.9/16

Left: 122.815+/-37.426 χ^2/NDF: 14.5/35

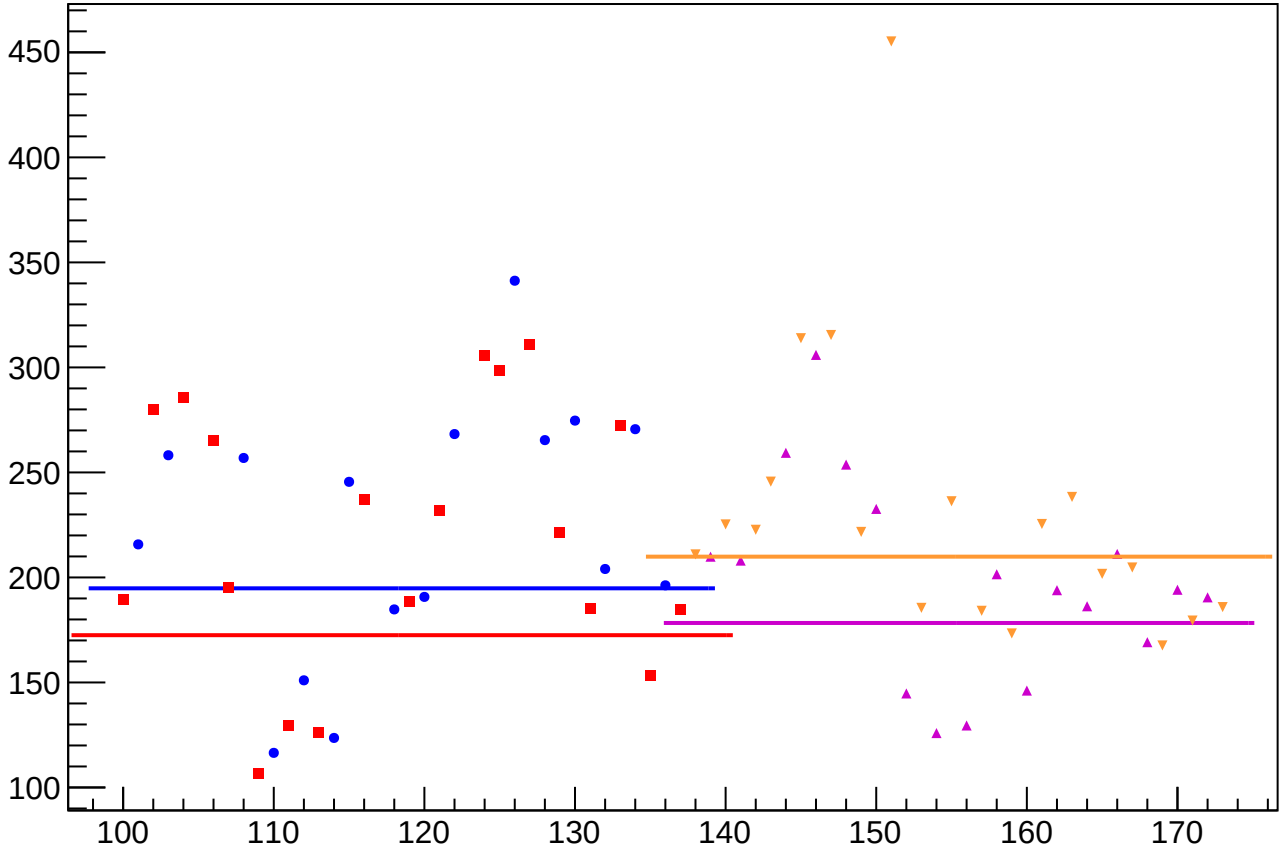
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 63.054+/-41.987 χ^2/NDF:24.9/32

Out: 28.719+/-43.413 χ^2/NDF:30.4/37

All: 46.460+/-30.181 χ^2/NDF: 55.6/70

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 209.899+/-0.040 χ^2/NDF:1228008.8/18

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 178.323+/-0.036 χ^2/NDF:1518340.2/16

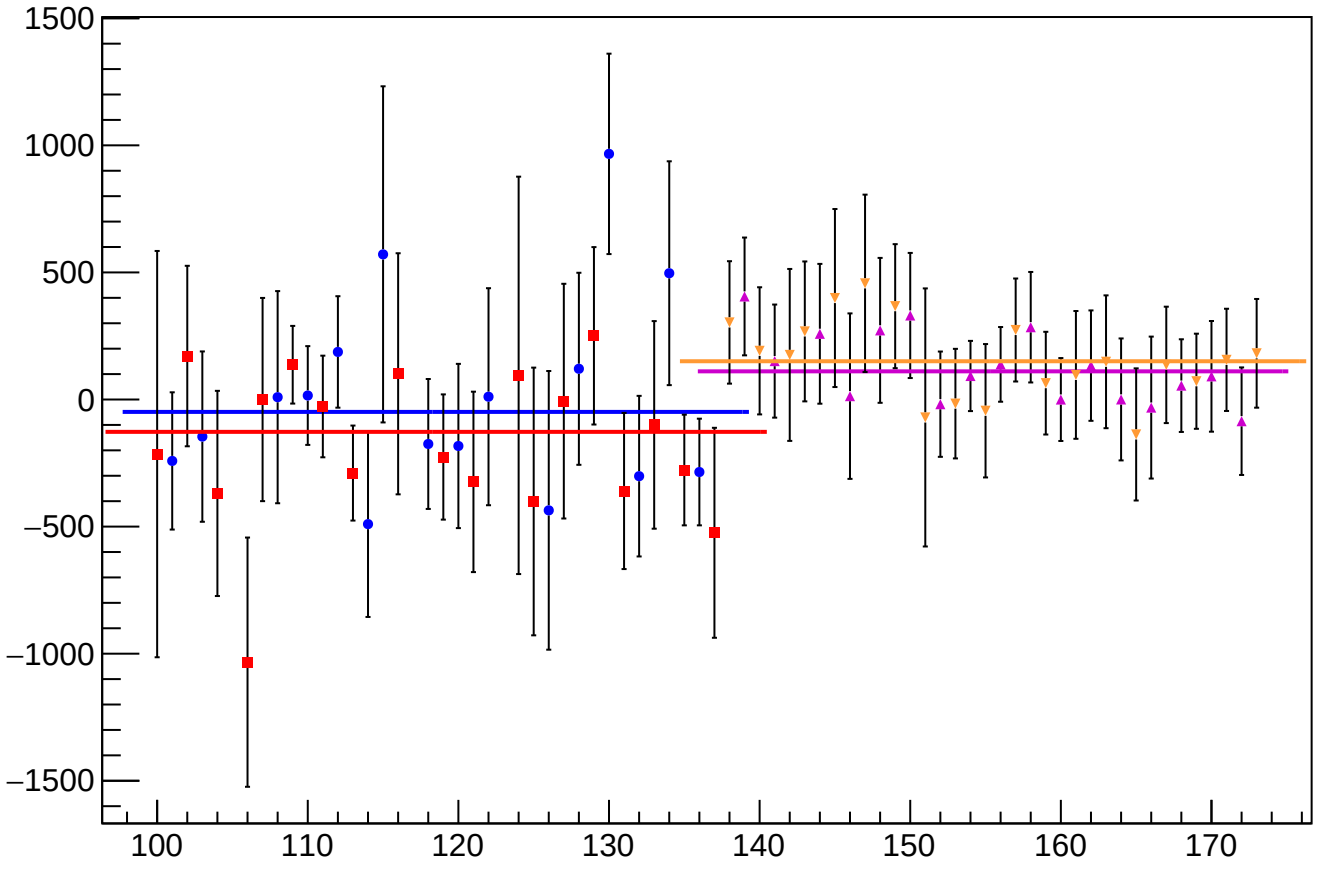
Left: 192.353+/-0.026 χ^2/NDF: 3097845.5/35

Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 183.282+/-0.030 χ^2/NDF:2622344.5/32

Out: 194.862+/-0.031 χ^2/NDF:3226790.7/37

All: 188.879+/-0.021 χ^2/NDF: 5922661.4/70



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 150.546+/-56.200 χ^2/NDF:6.0/18

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 110.811+/-50.250 χ^2/NDF:6.1/16

Left: 128.465+/-37.460 χ^2/NDF: 12.5/35

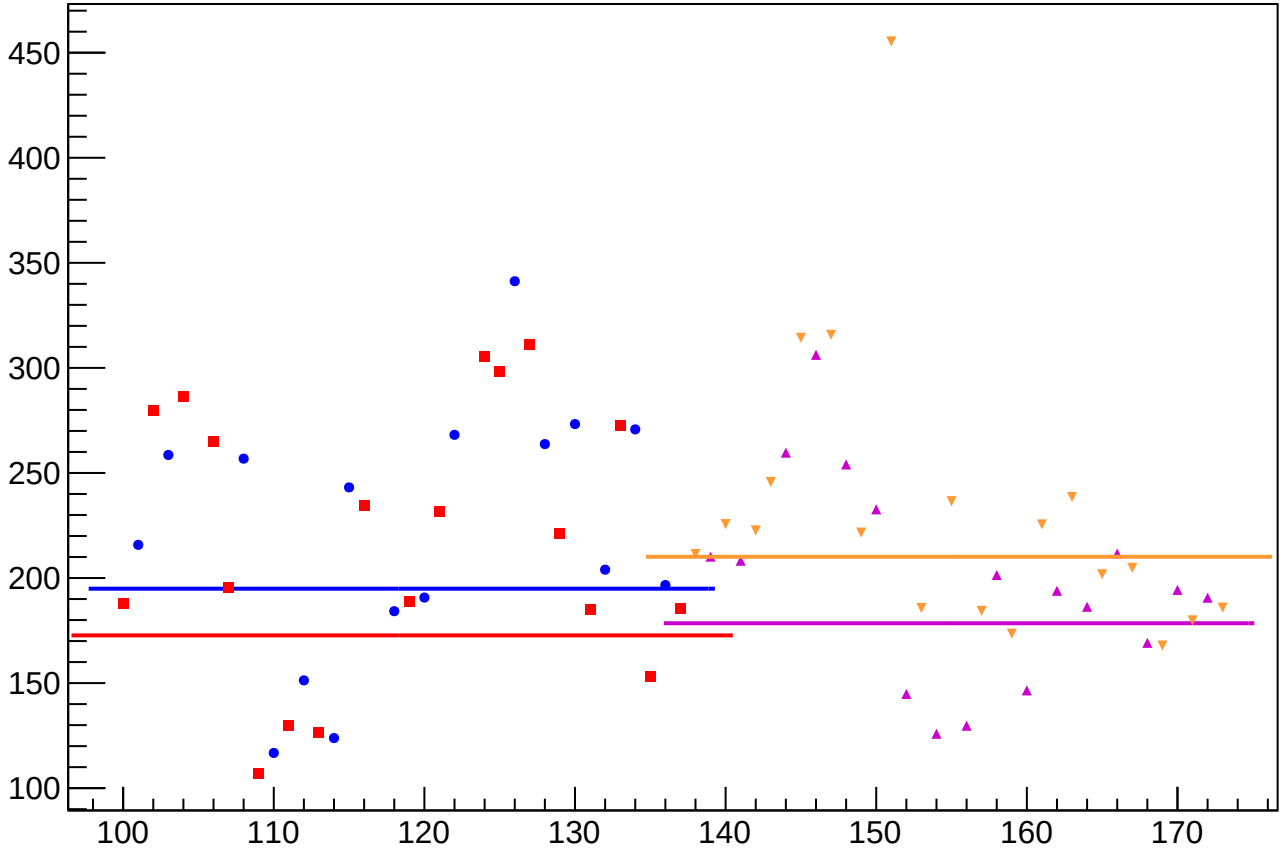
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 62.797+/-42.015 χ^2/NDF:24.6/32

Out: 38.796+/-43.450 χ^2/NDF:28.7/37

All: 51.200+/-30.204 χ^2/NDF: 53.5/70

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 210.112+/-0.040 χ^2/NDF:1226357.8/18

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 178.480+/-0.036 χ^2/NDF:1518125.3/16

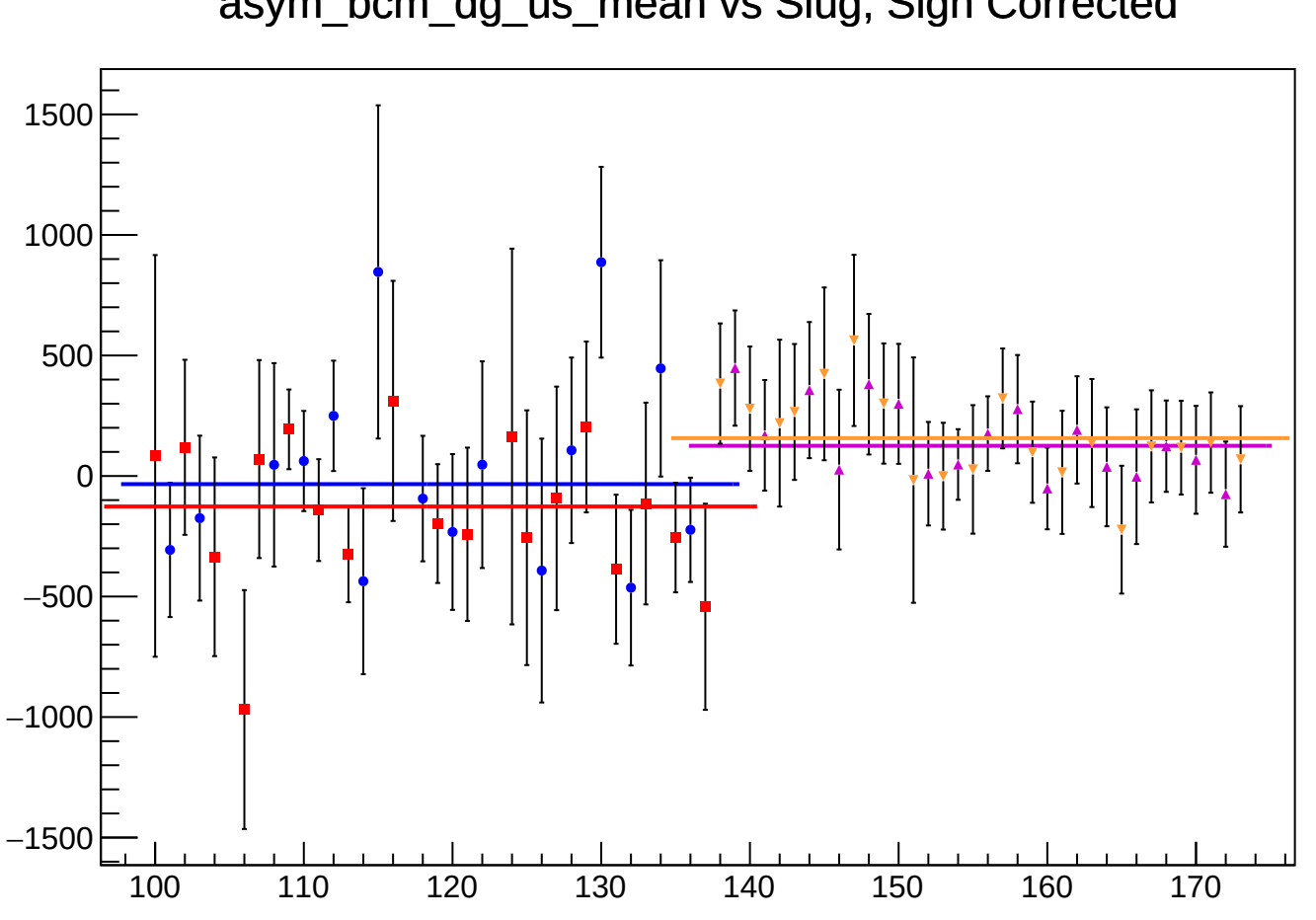
Left: 192.533+/-0.026 χ^2/NDF: 3096595.2/35

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 183.428+/-0.030 χ^2/NDF:2611466.3/32

Out: 195.064+/-0.031 χ^2/NDF:3214171.5/37

All: 189.050+/-0.021 χ^2/NDF: 5899767.3/70



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 157.040+/-57.698 χ^2/NDF:7.6/18

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 125.269+/-52.059 χ^2/NDF:7.4/16

Left: 139.527+/-38.652 χ^2/NDF: 15.2/35

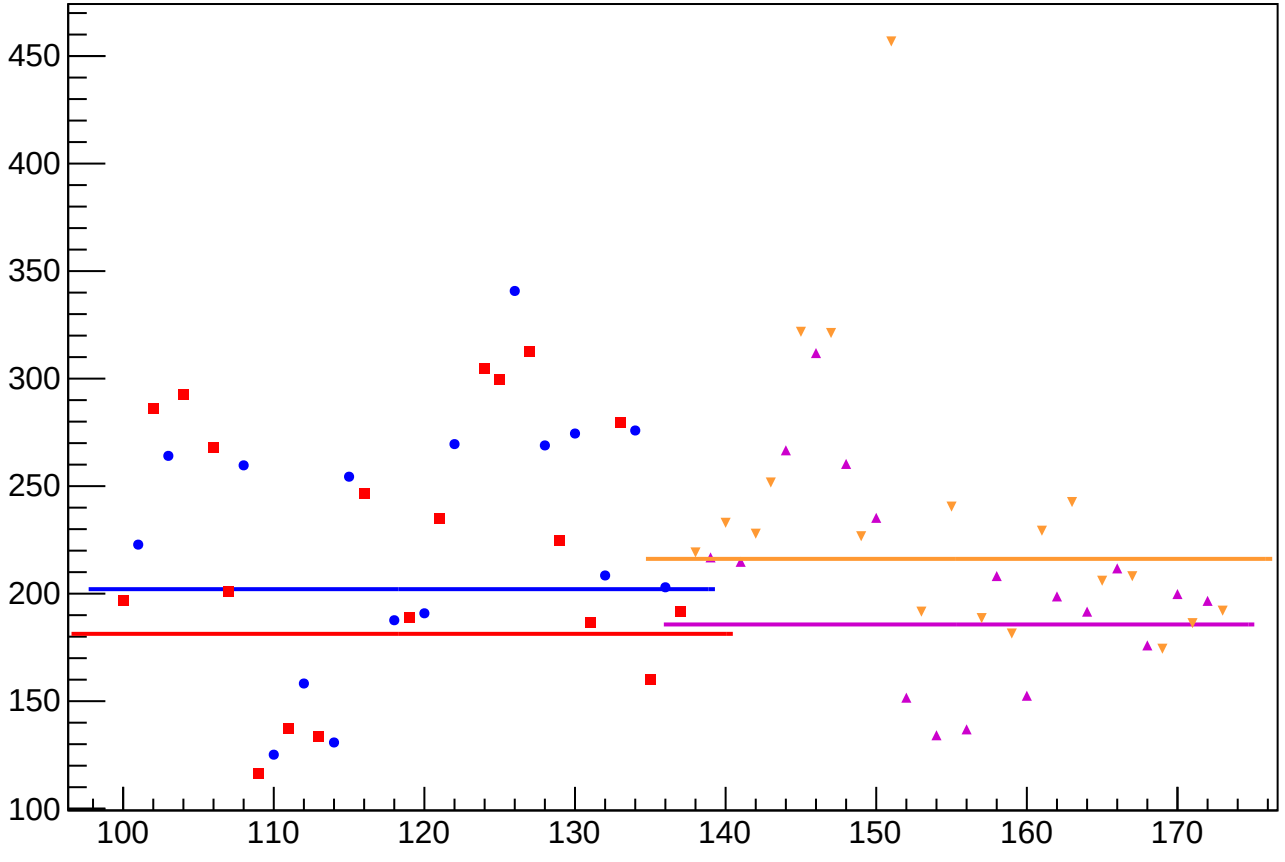
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 77.125+/-43.469 χ^2/NDF:26.0/32

Out: 44.831+/-44.854 χ^2/NDF:29.8/37

All: 61.484+/-31.215 χ^2/NDF: 56.1/70

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 216.178+/-0.041 χ^2/NDF:1161161.7/18

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 185.674+/-0.037 χ^2/NDF:1368261.2/16

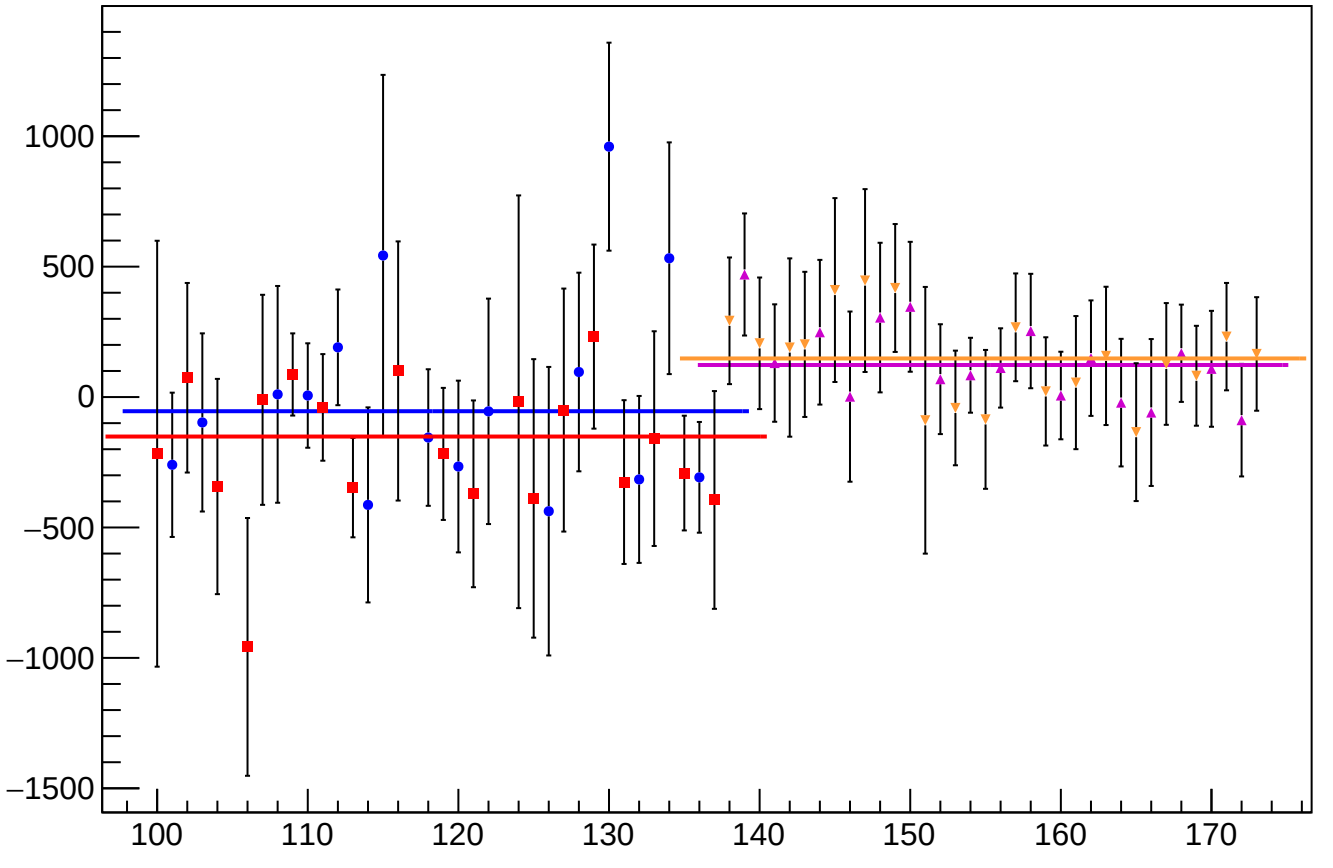
Left: 199.363+/-0.027 χ^2/NDF: 2837561.3/35

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 190.645+/-0.031 χ^2/NDF:2338735.3/32

Out: 202.383+/-0.032 χ^2/NDF:2891098.6/37

All: 196.330+/-0.022 χ^2/NDF: 5300465.1/70



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 148.010+/-57.121 χ^2/NDF:7.0/18

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 122.949+/-51.334 χ^2/NDF:6.5/16

Left: 134.146+/-38.181 χ^2/NDF: 13.6/35

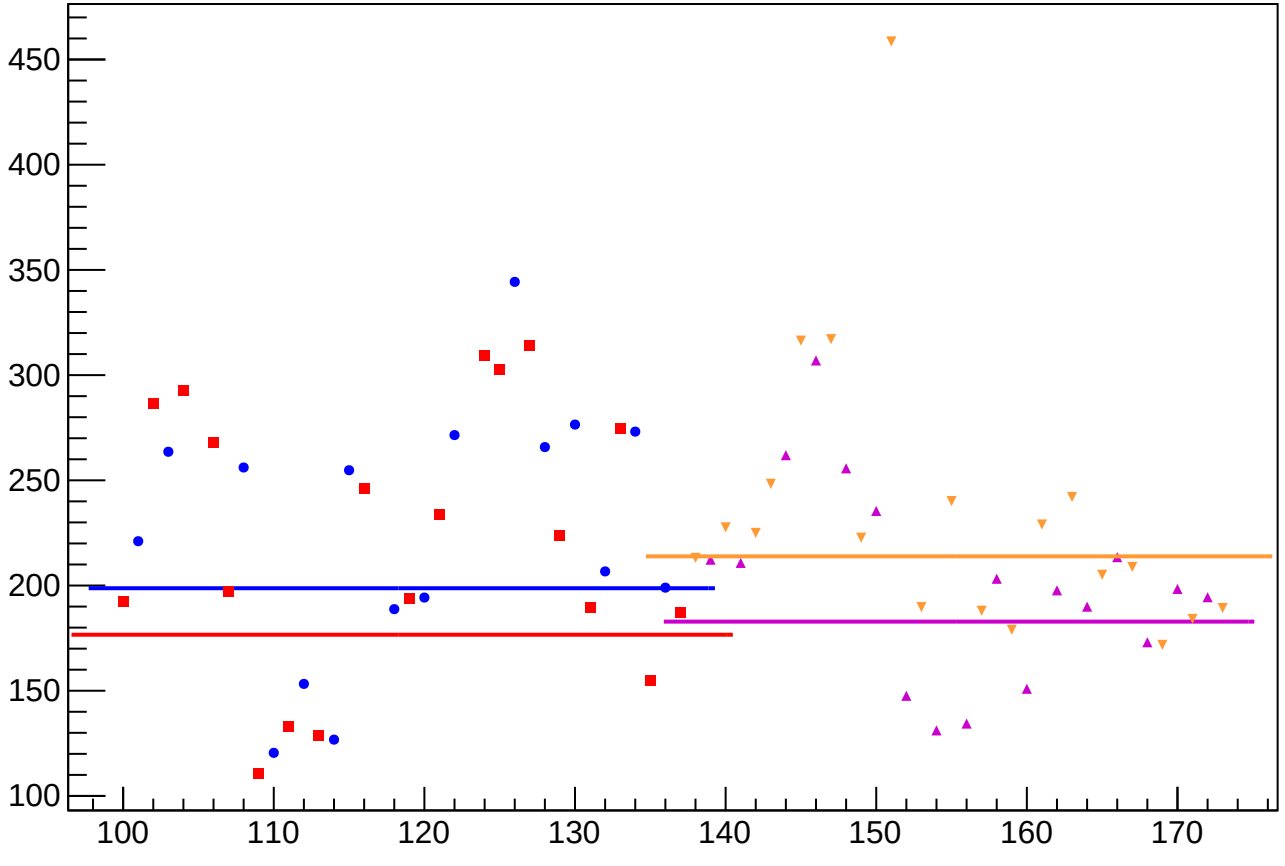
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 69.341+/-42.872 χ^2/NDF:25.2/32

Out: 28.145+/-44.231 χ^2/NDF:28.2/37

All: 49.386+/-30.784 χ^2/NDF: 53.9/70

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 213.870+/-0.040 χ^2/NDF:1170236.7/18

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 182.848+/-0.036 χ^2/NDF:1396171.5/16

Left: 196.709+/-0.027 χ^2/NDF: 2892742.6/35

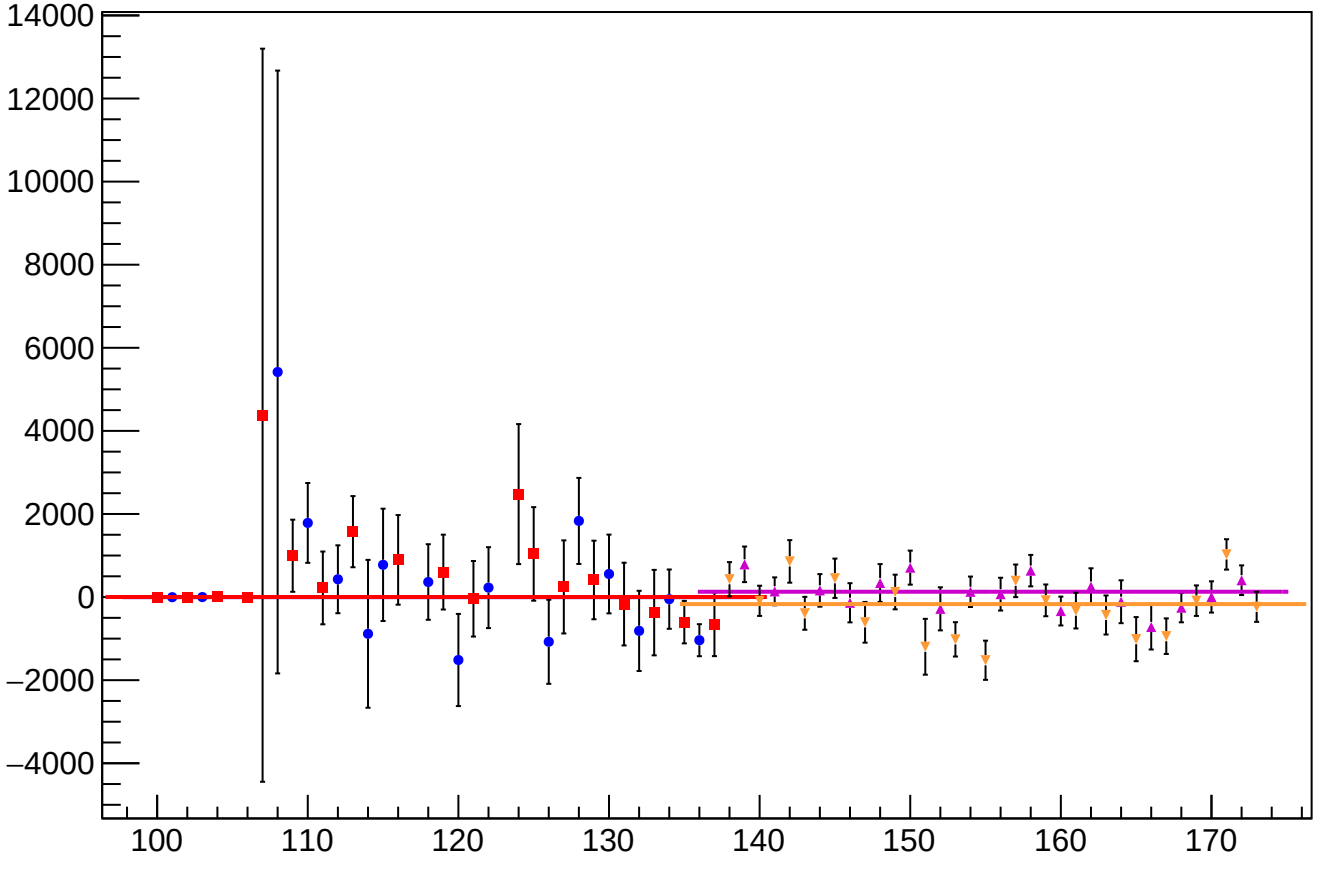
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 187.649+/-0.030 χ^2/NDF:2448068.7/32

Out: 198.956+/-0.031 χ^2/NDF:3106467.6/37

All: 193.126+/-0.022 χ^2/NDF: 5621922.0/70

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -169.094+/-97.415 χ^2/NDF:43.4/18

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 128.293+/-97.938 χ^2/NDF:13.8/16

Left: -21.196+/-69.067 χ^2/NDF: 61.8/35

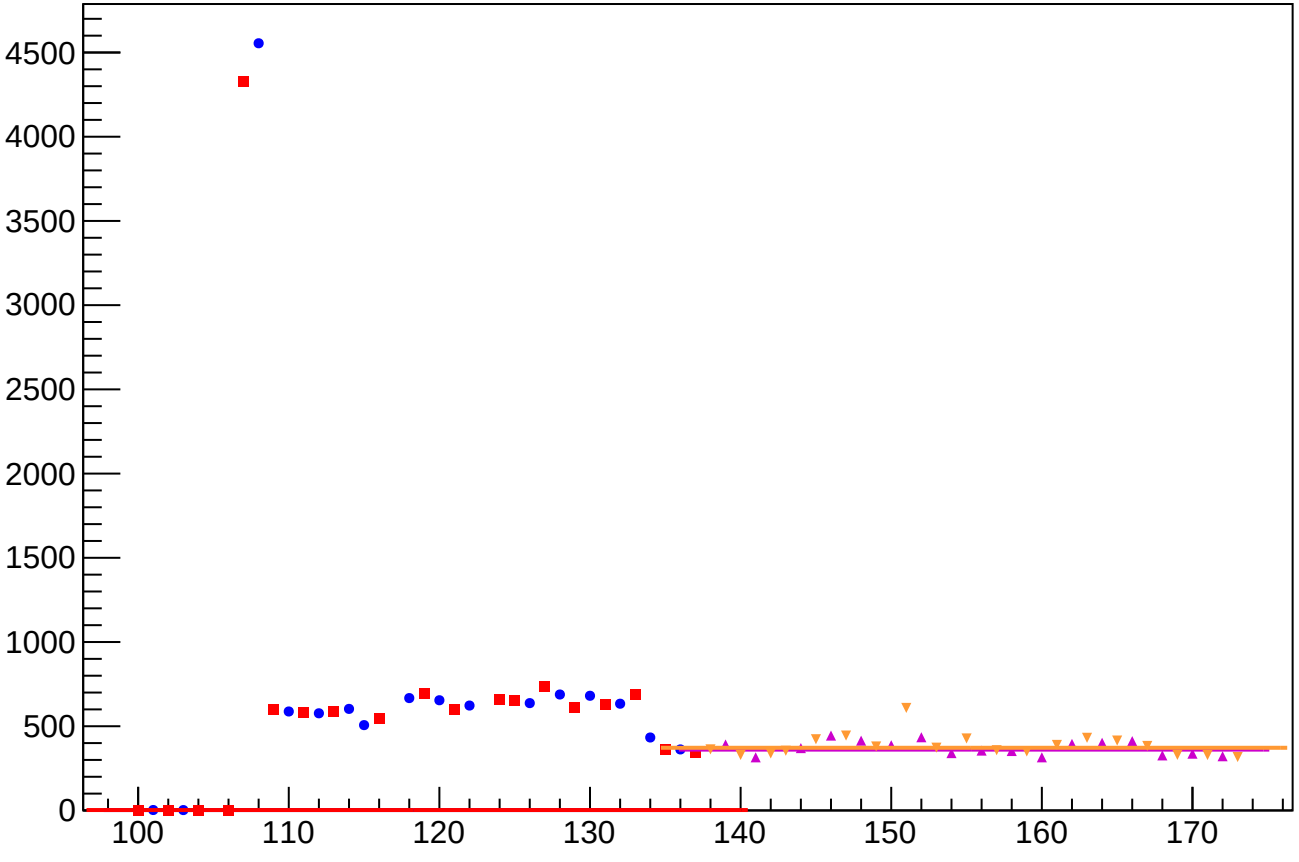
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.175+/-2.170 χ^2/NDF:35.5/32

Out: 1.304+/-2.022 χ^2/NDF:63.3/37

All: 0.152+/-1.479 χ^2/NDF: 99.4/70

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 372.126+/-0.069 χ^2/NDF:542359.2/18

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 361.216+/-0.069 χ^2/NDF:321484.1/16

Left: 366.700+/-0.049 χ^2/NDF: 876319.1/35

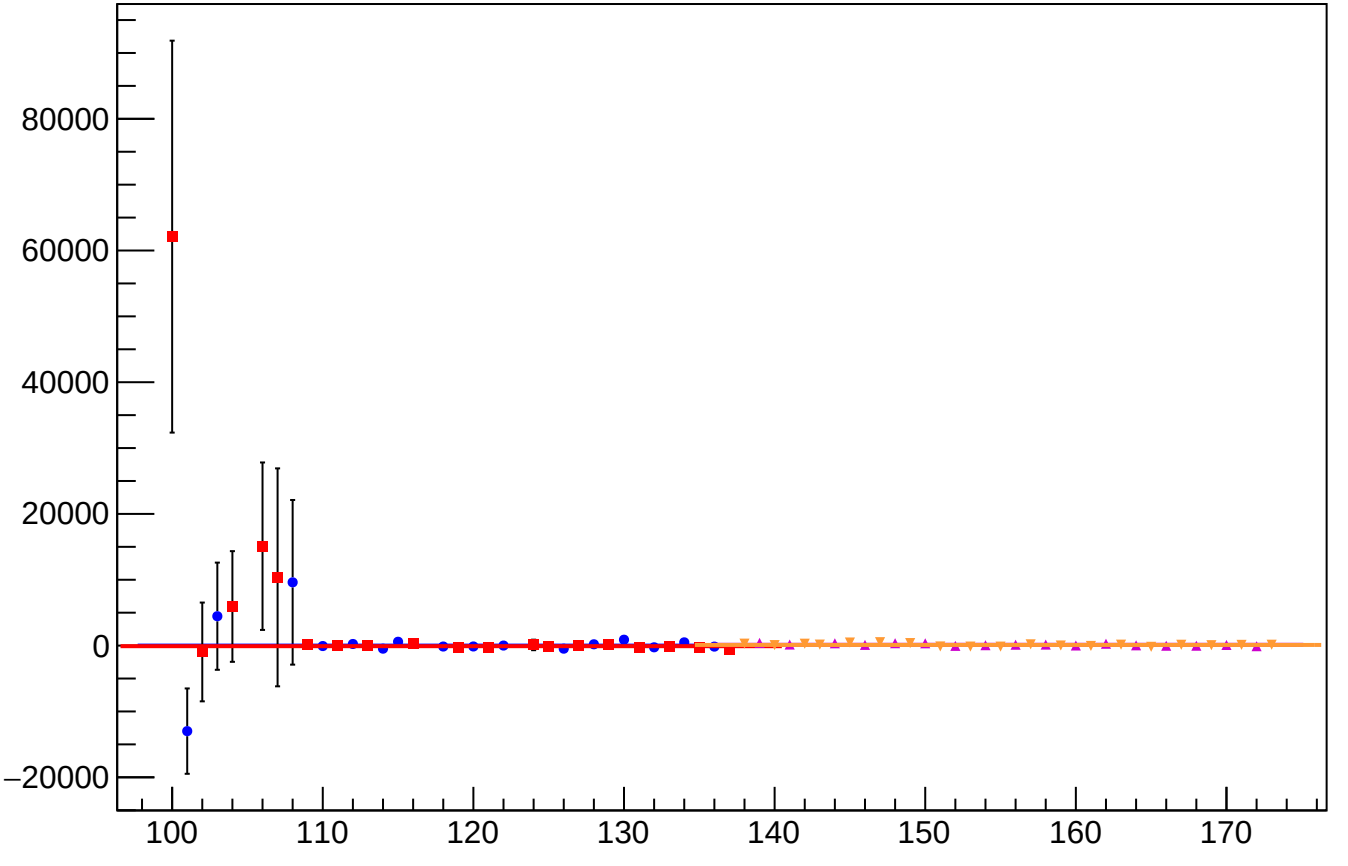
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.653+/-0.002 χ^2/NDF:38768401.3/32

Out: 2.621+/-0.001 χ^2/NDF:40875093.7/37

All: 2.636+/-0.001 χ^2/NDF: 79643719.7/70

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 100.906+/-59.702 χ^2/NDF:8.3/18

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 122.957+/-54.618 χ^2/NDF:6.8/16

Left: 112.910+/-40.299 χ^2/NDF: 15.2/35

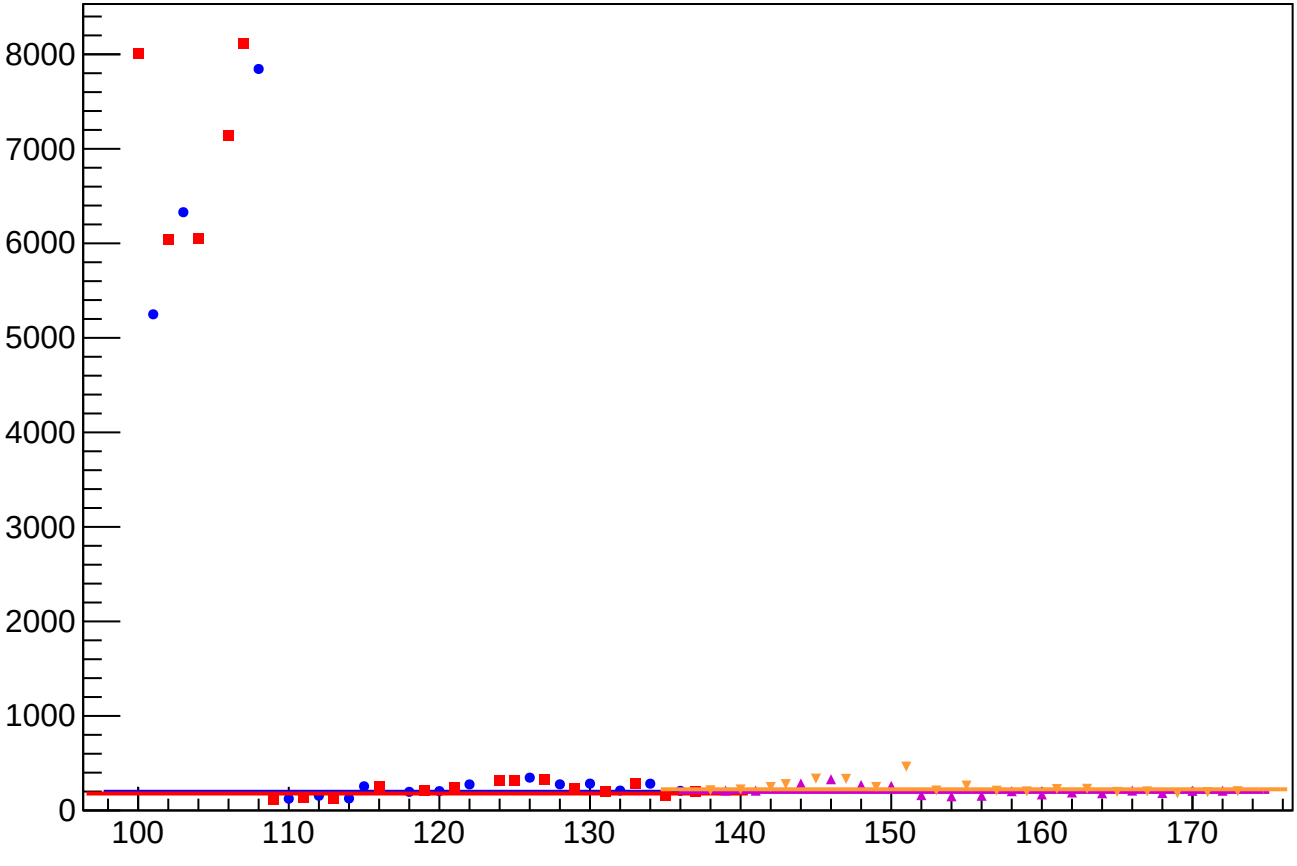
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 88.824+/-46.380 χ^2/NDF:25.0/32

Out: 35.015+/-48.184 χ^2/NDF:26.7/37

All: 62.945+/-33.415 χ^2/NDF: 52.3/70

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 224.004+/-0.042 χ^2/NDF:1139525.1/18

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 195.985+/-0.039 χ^2/NDF:1094566.5/16

Left: 208.751+/-0.028 χ^2/NDF: 2473893.2/35

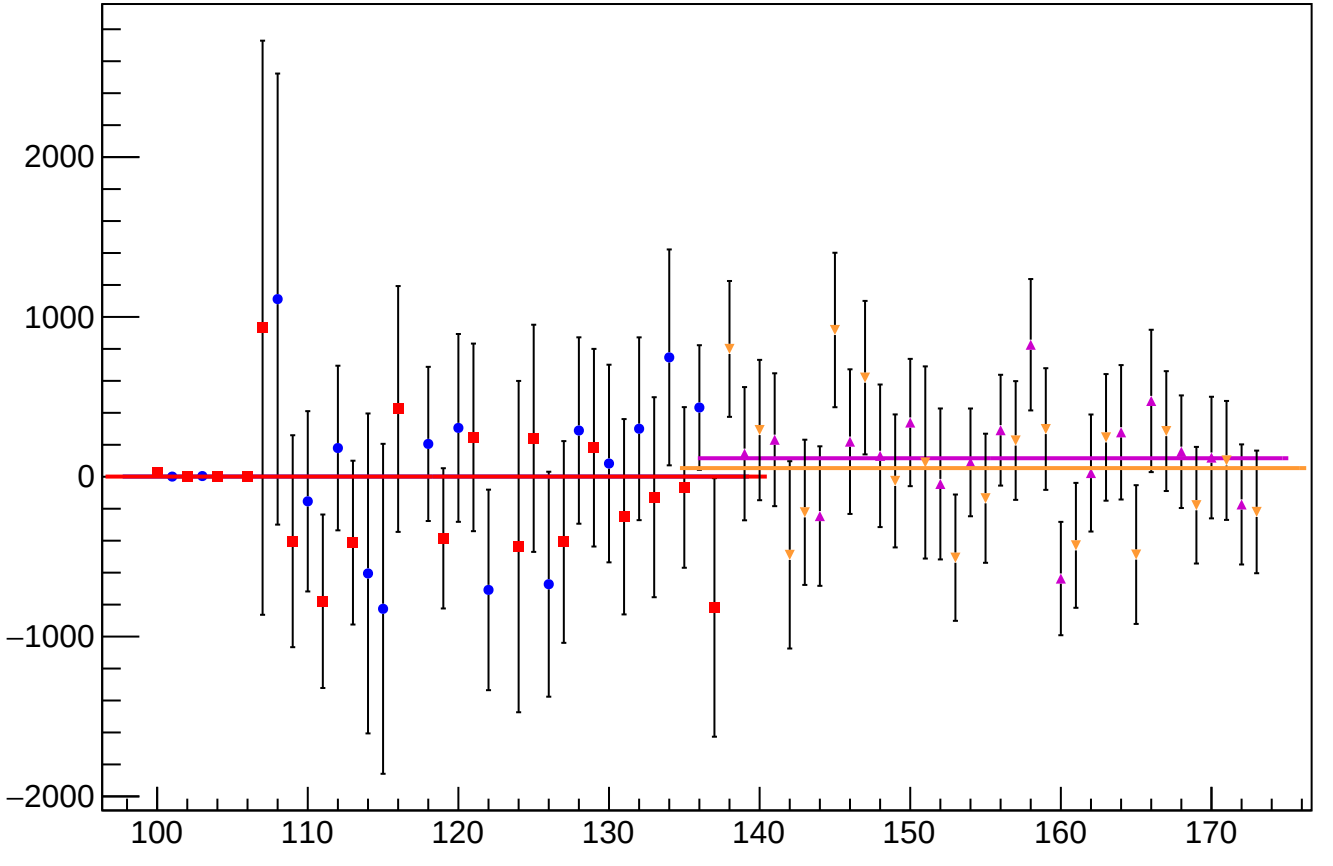
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 196.441+/-0.033 χ^2/NDF:5052258.6/32

Out: 208.401+/-0.034 χ^2/NDF:5949770.3/37

All: 202.193+/-0.024 χ^2/NDF: 11065988.9/70

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 54.162+/-95.701 χ^2/NDF:16.7/18

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 115.887+/-95.924 χ^2/NDF:10.5/16

Left: 84.953+/-67.749 χ^2/NDF: 27.4/35

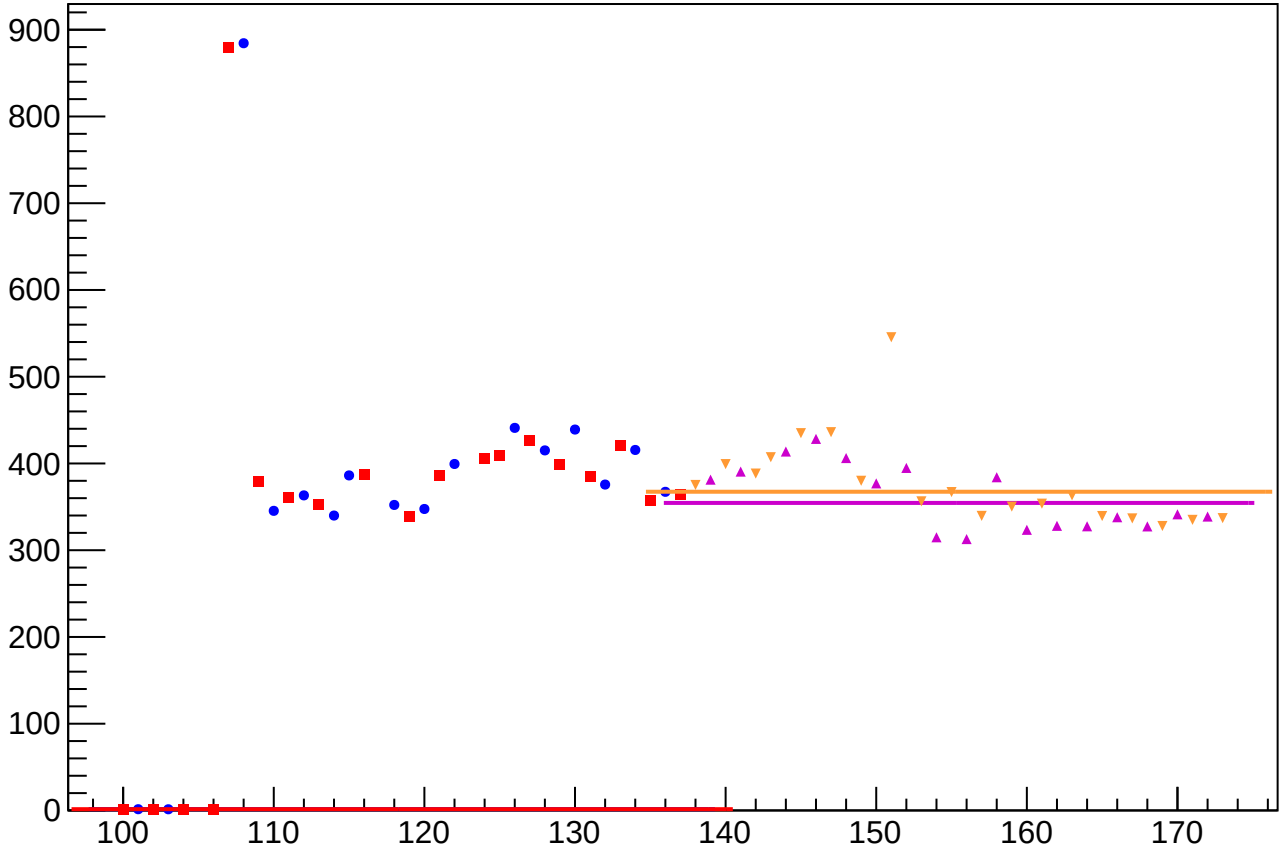
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.490+/-1.660 χ^2/NDF:19.8/32

Out: 1.107+/-1.528 χ^2/NDF:26.2/37

All: 1.283+/-1.124 χ^2/NDF: 46.0/70

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 367.414+/-0.068 χ^2/NDF:378829.3/18

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 354.514+/-0.068 χ^2/NDF:282557.0/16

Left: 360.979+/-0.048 χ^2/NDF: 679513.1/35

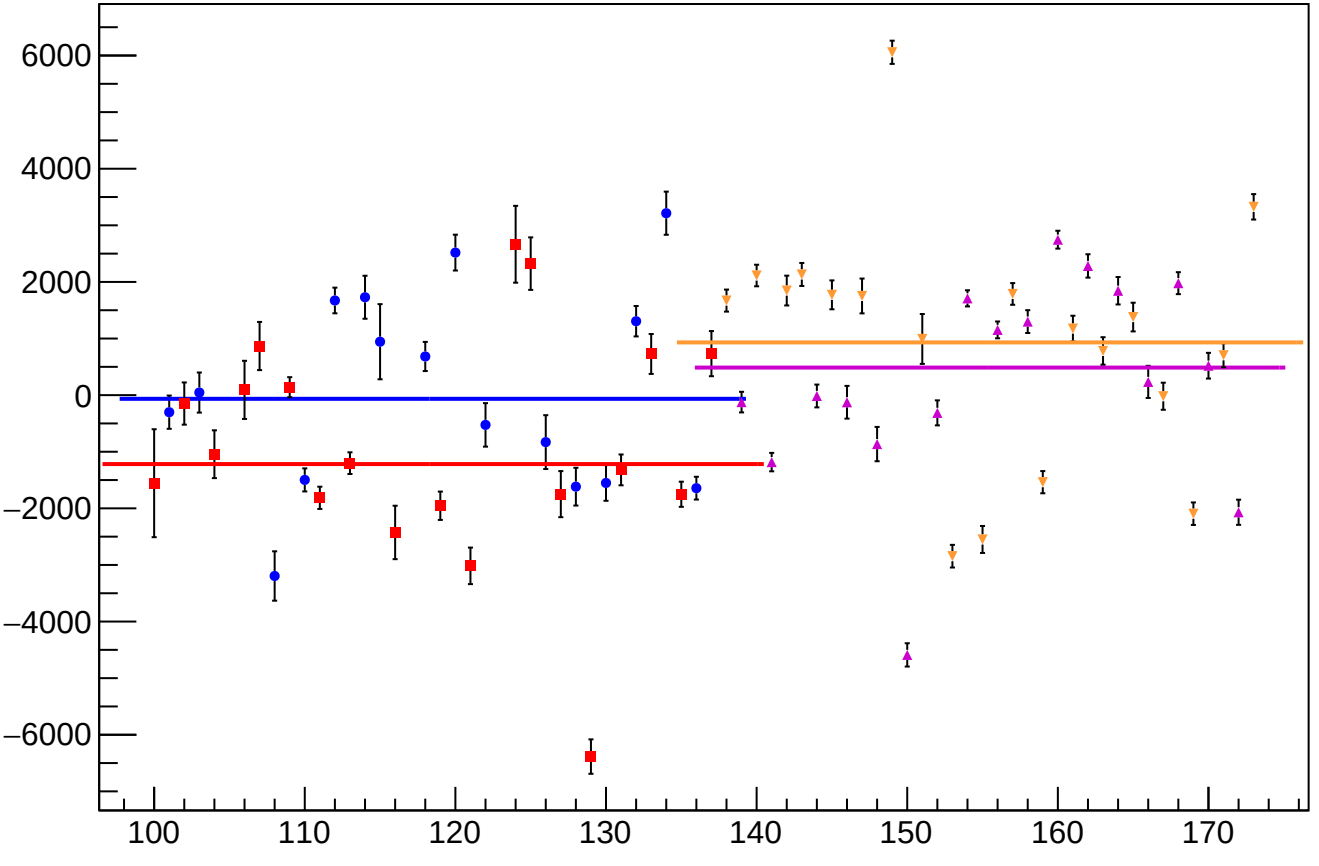
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.576+/-0.001 χ^2/NDF:39101359.4/32

Out: 1.560+/-0.001 χ^2/NDF:40885757.0/37

All: 1.567+/-0.001 χ^2/NDF: 79987210.9/70

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 931.558+/-51.294 χ^2/NDF:1857.5/18

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: 486.951+/-47.789 χ^2/NDF:1381.6/16

Left: 693.546+/-34.966 χ^2/NDF: 3279.3/35

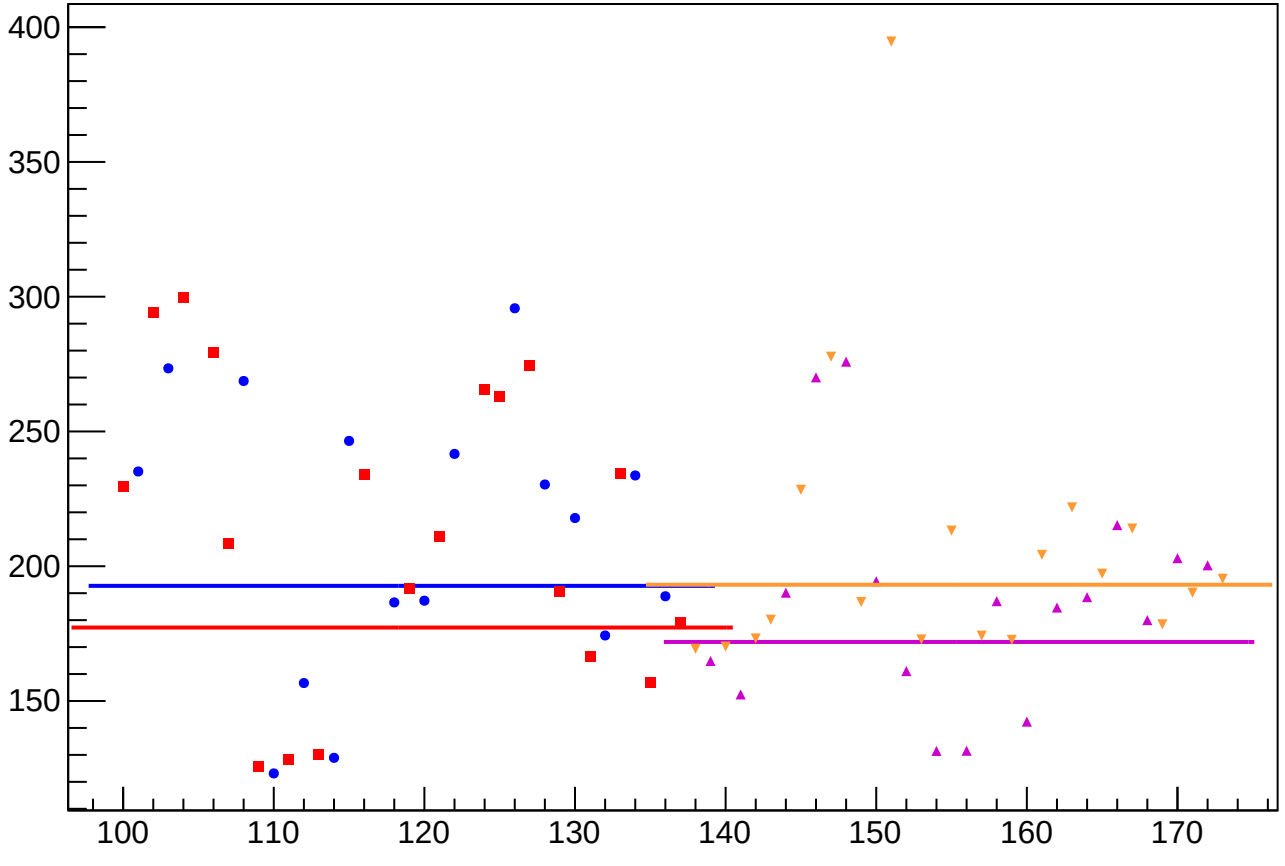
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: 327.249+/-40.287 χ^2/NDF:1889.7/32

Out: 166.827+/-41.170 χ^2/NDF:3076.8/37

All: 248.779+/-28.794 χ^2/NDF: 4974.2/70

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 193.131+/-0.036 χ^2/NDF:824456.5/18

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 171.906+/-0.034 χ^2/NDF:1070132.8/16

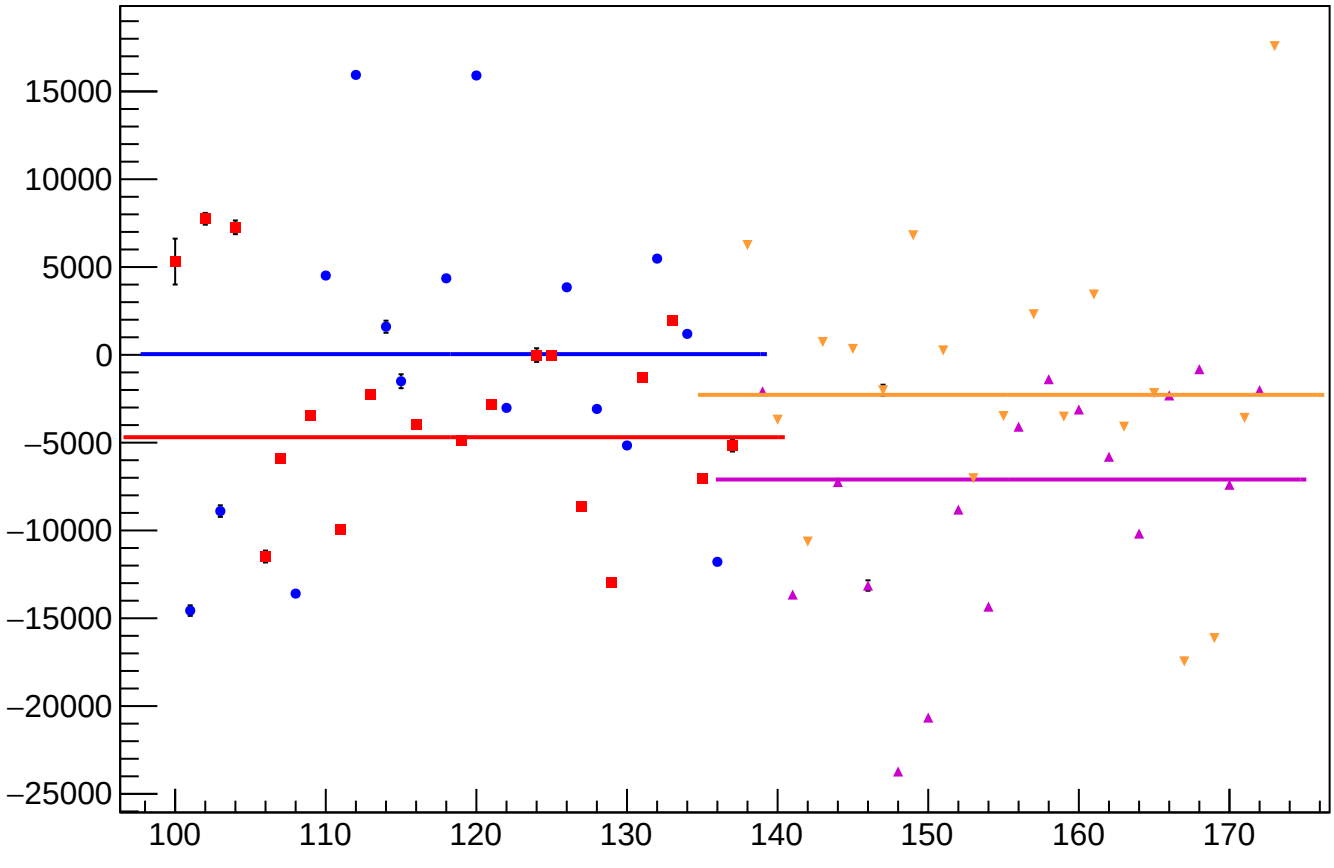
Left: 181.769+/-0.025 χ^2/NDF: 2077923.7/35

Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 177.928+/-0.028 χ^2/NDF:1939047.1/32

Out: 187.481+/-0.029 χ^2/NDF:2118837.9/37

All: 182.601+/-0.020 χ^2/NDF: 4112901.1/70



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -2277.471+/-44.364 χ^2/NDF:30489.5/18

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -7099.165+/-46.302 χ^2/NDF:17608.5/16

Left: -4585.315+/-32.033 χ^2/NDF: 53751.8/35

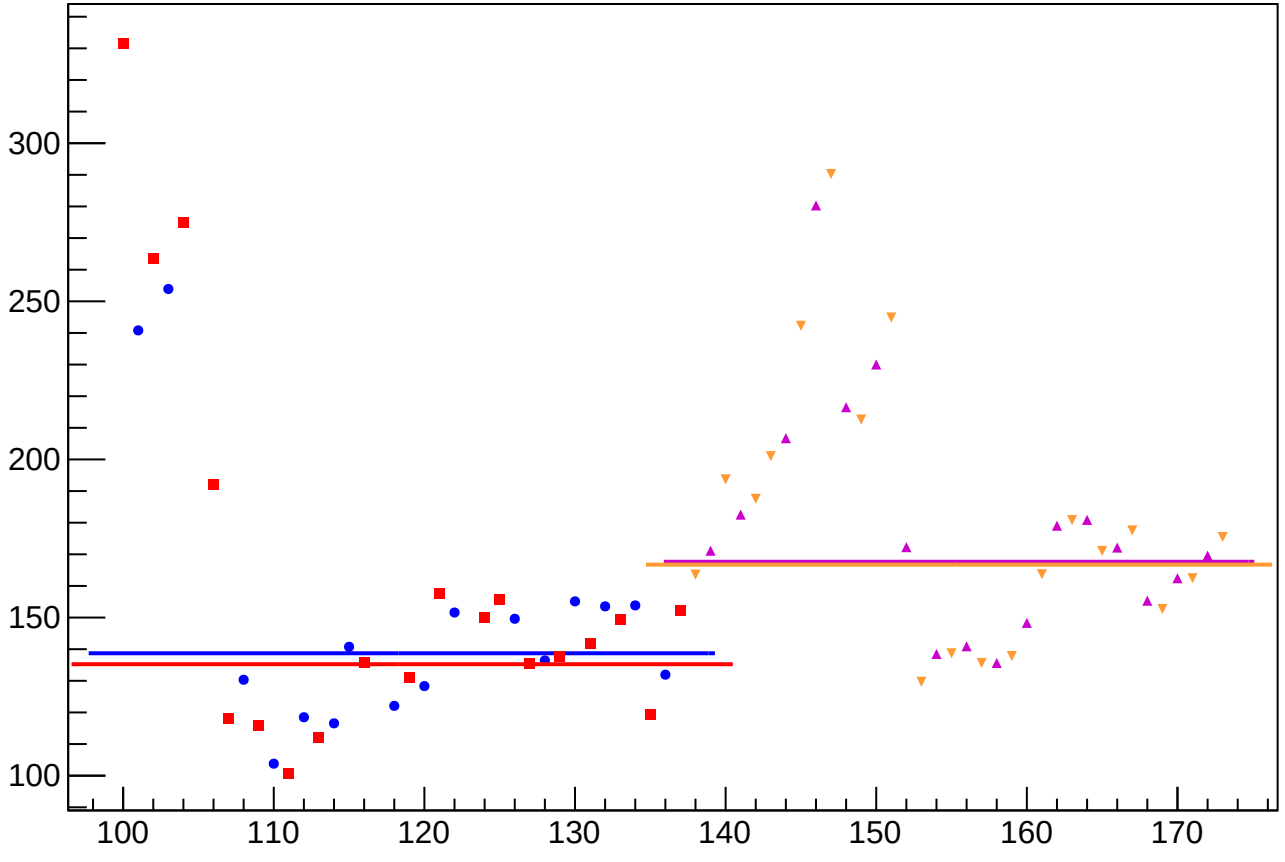
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4086.701+/-35.205 χ^2/NDF:58427.6/32

Out: -3291.495+/-33.776 χ^2/NDF:39528.0/37

All: -3672.639+/-24.373 χ^2/NDF: 98221.3/70

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 166.735+/-0.031 χ^2/NDF:1162233.5/18

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 167.647+/-0.033 χ^2/NDF:860364.4/16

Left: 167.172+/-0.023 χ^2/NDF: 2023002.6/35

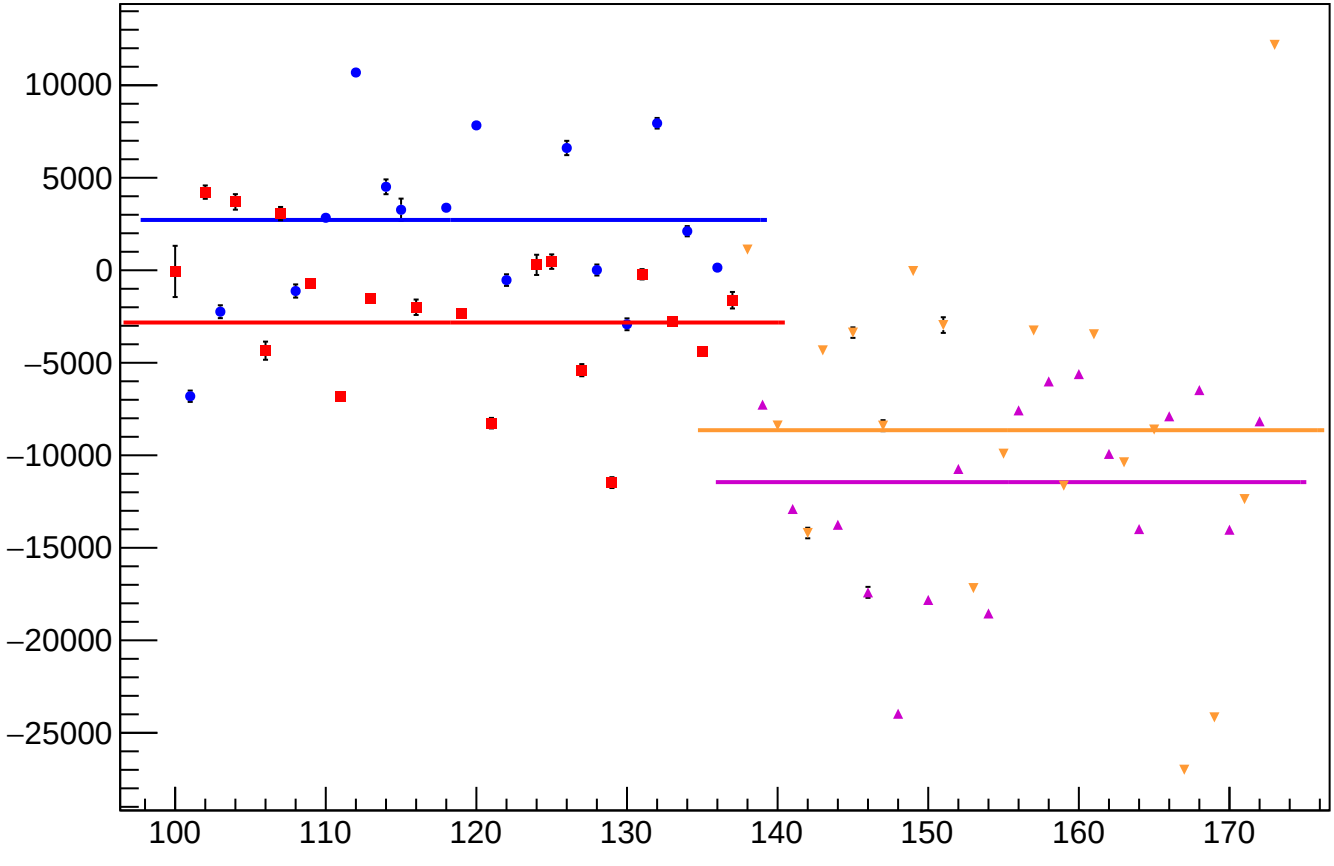
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 155.439+/-0.025 χ^2/NDF:1847698.0/32

Out: 153.498+/-0.024 χ^2/NDF:2475841.8/37

All: 154.428+/-0.017 χ^2/NDF: 4326706.9/70

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -8643.625+/-51.892 χ^2/NDF:30626.6/18

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11450.030+/-49.214 χ^2/NDF:10570.8/16

Left: -10121.132+/-35.709 χ^2/NDF: 42737.2/35

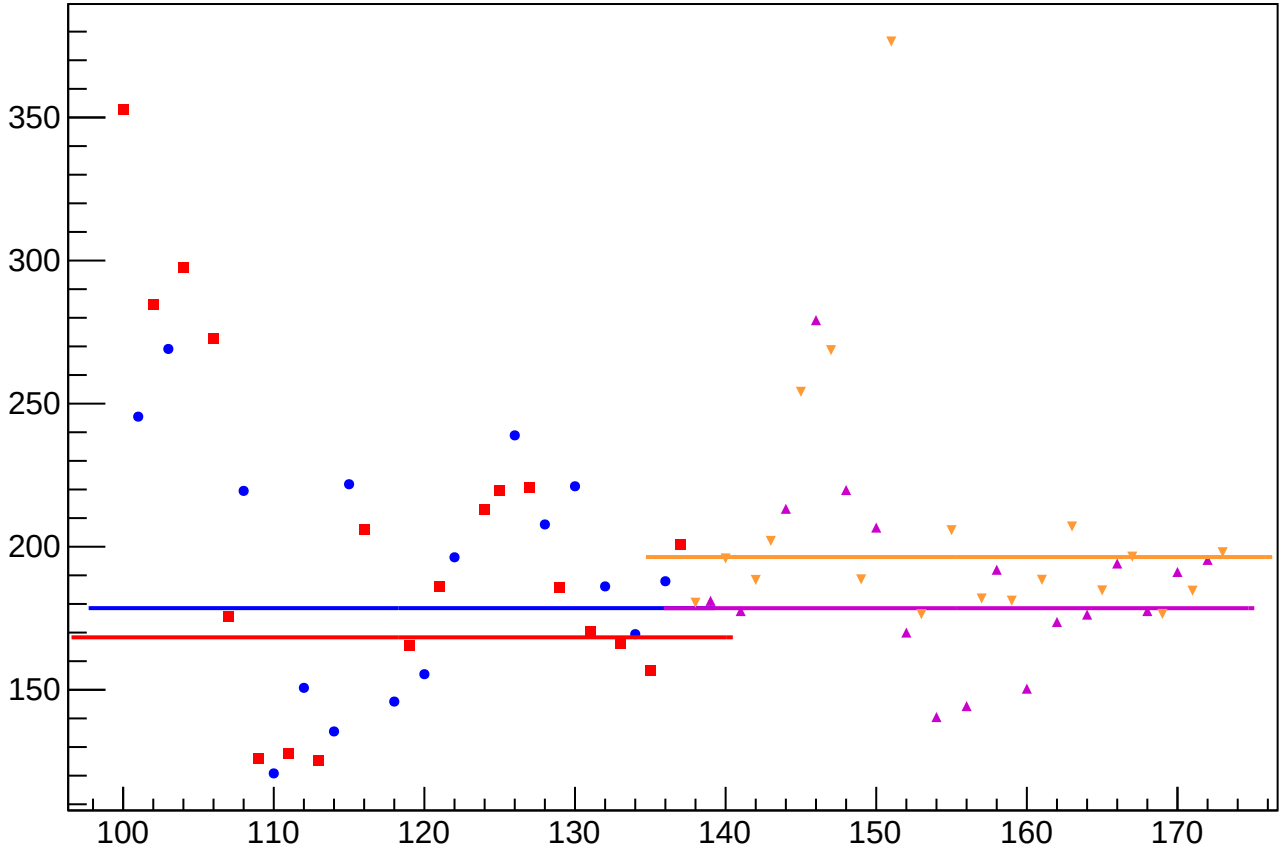
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6694.765+/-40.115 χ^2/NDF:42521.0/32

Out: -6371.766+/-40.517 χ^2/NDF:38599.5/37

All: -6534.879+/-28.507 χ^2/NDF: 81152.6/70

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 196.391+/-0.037 χ^2/NDF:664186.8/18

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 178.522+/-0.035 χ^2/NDF:678725.0/16

Left: 186.983+/-0.025 χ^2/NDF: 1467770.8/35

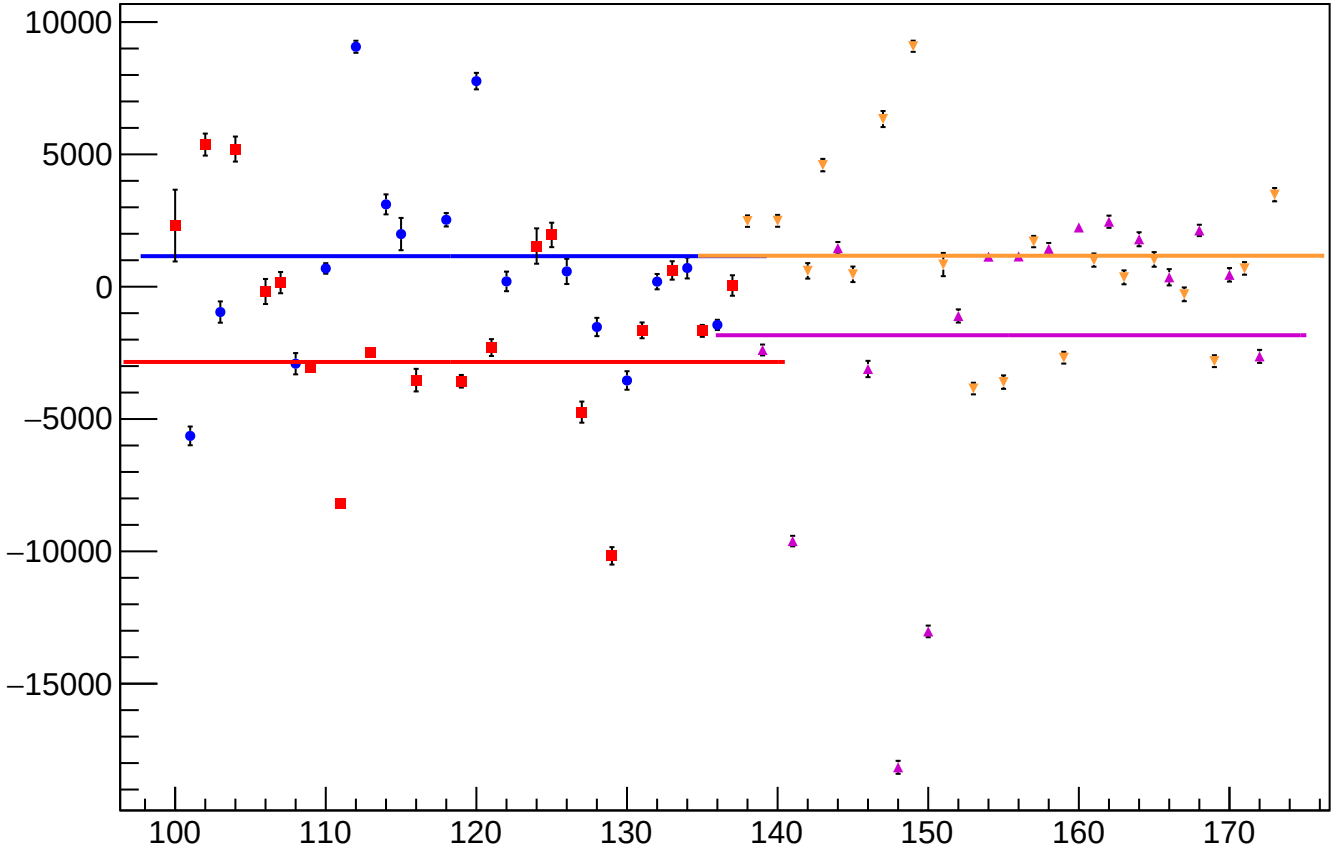
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 178.528+/-0.028 χ^2/NDF:1353291.2/32

Out: 185.439+/-0.029 χ^2/NDF:1871889.7/37

All: 181.949+/-0.020 χ^2/NDF: 3254564.0/70

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1170.262+/-56.763 χ^2/NDF:3615.3/18

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -1833.662+/-53.709 χ^2/NDF:11093.1/16

Left: -414.674+/-39.013 χ^2/NDF: 16186.0/35

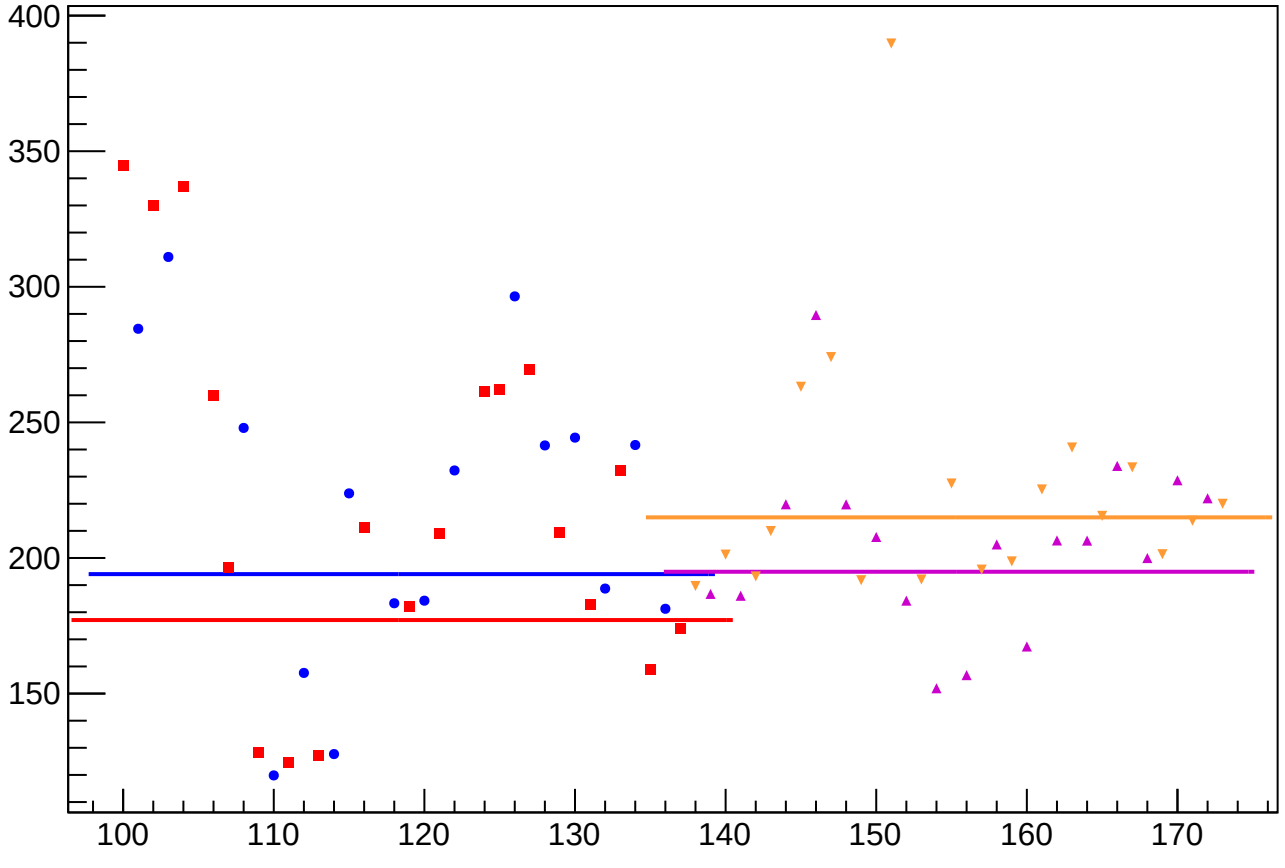
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -837.852+/-43.853 χ^2/NDF:14779.7/32

Out: -445.992+/-43.871 χ^2/NDF:8082.0/37

All: -642.003+/-31.015 χ^2/NDF: 22901.6/70

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.980+/-0.040 χ^2/NDF:610829.4/18

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 194.922+/-0.038 χ^2/NDF:628541.2/16

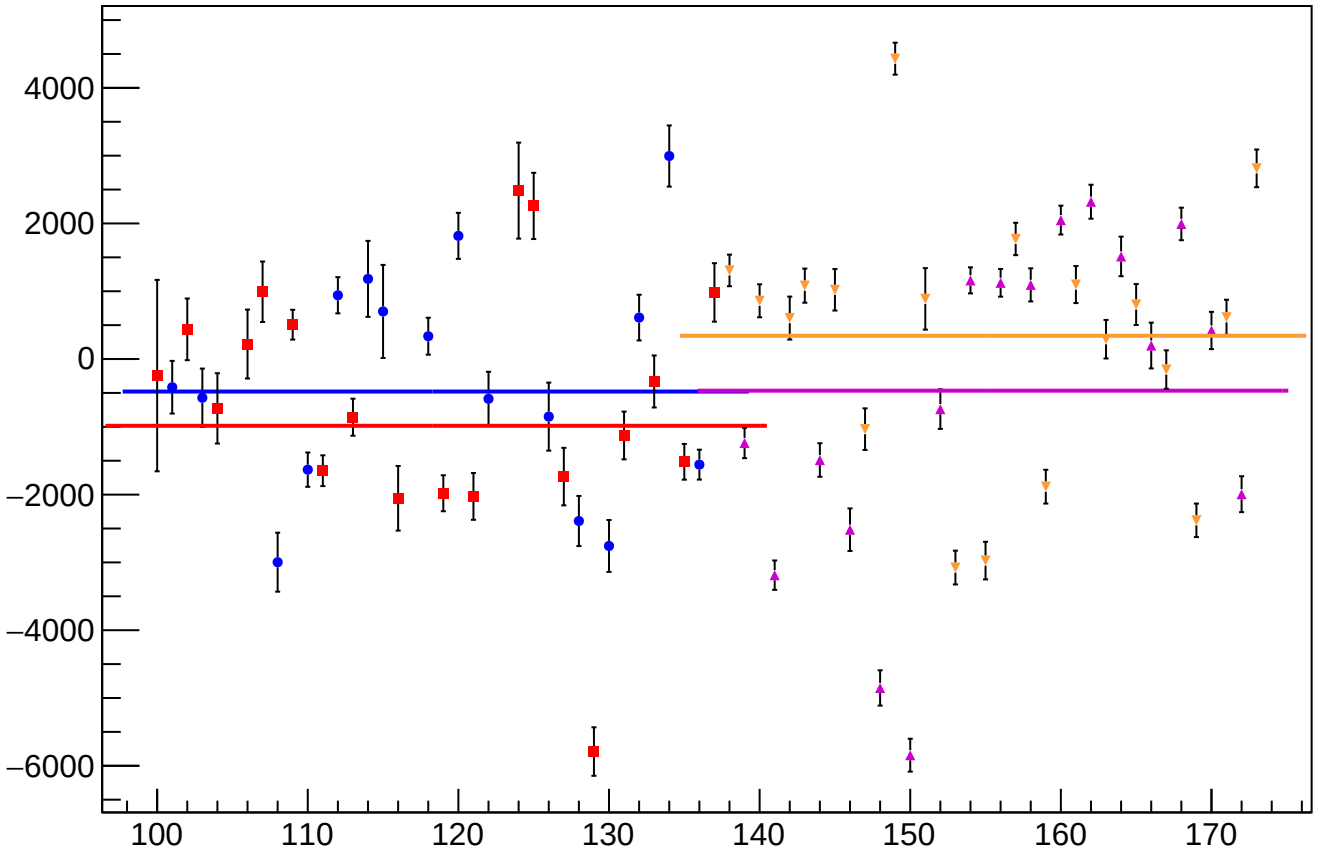
Left: 204.397+/-0.028 χ^2/NDF: 1371130.3/35

Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 194.632+/-0.031 χ^2/NDF:1594501.9/32

Out: 199.734+/-0.031 χ^2/NDF:2328508.4/37

All: 197.182+/-0.022 χ^2/NDF: 3936537.6/70



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 343.490+/-61.865 χ^2/NDF:1018.4/18

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -466.644+/-59.509 χ^2/NDF:1641.3/16

Left: -77.292+/-42.888 χ^2/NDF: 2748.7/35

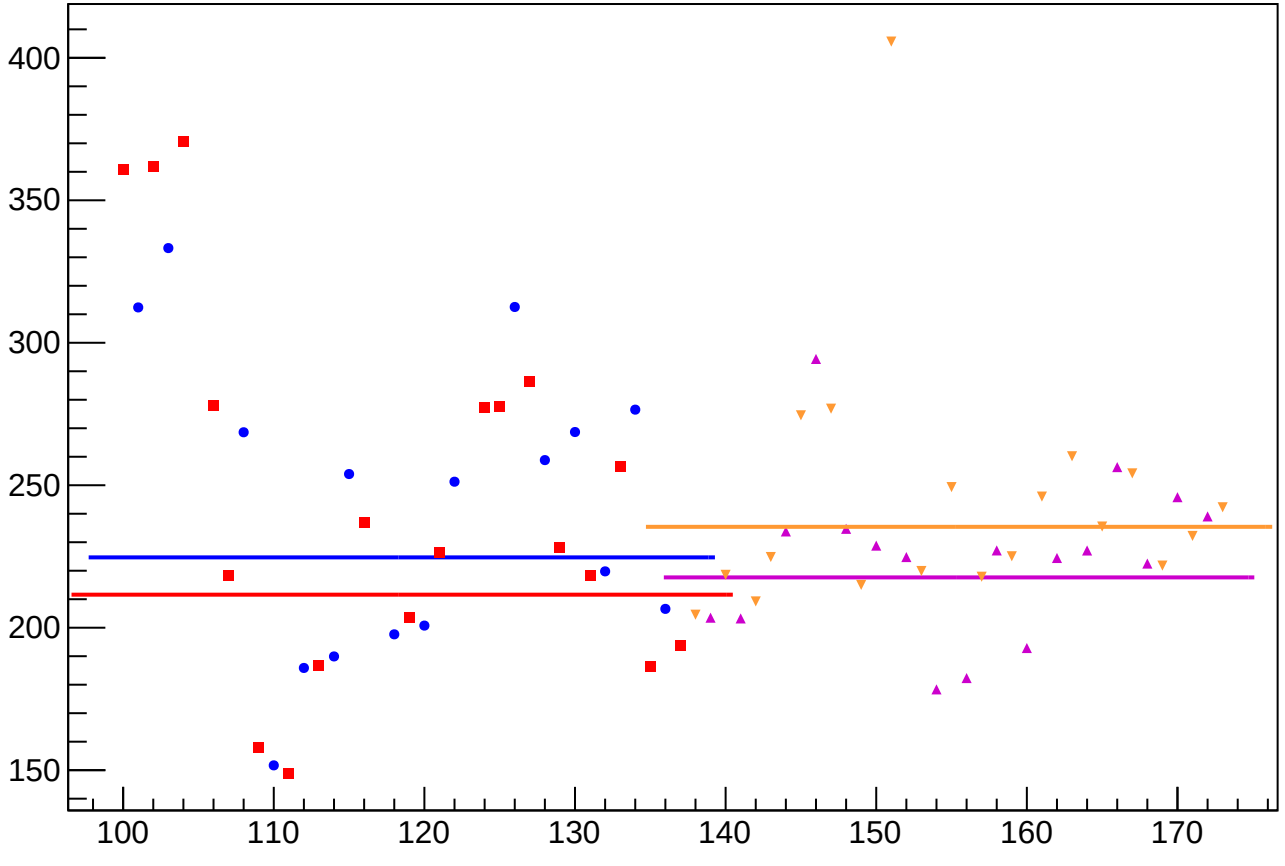
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -470.698+/-49.061 χ^2/NDF:1946.8/32

Out: -146.184+/-49.153 χ^2/NDF:1586.4/37

All: -308.744+/-34.724 χ^2/NDF: 3555.0/70

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.406+/-0.044 χ^2/NDF:489175.1/18

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 217.657+/-0.042 χ^2/NDF:396843.4/16

Left: 226.187+/-0.030 χ^2/NDF: 971522.4/35

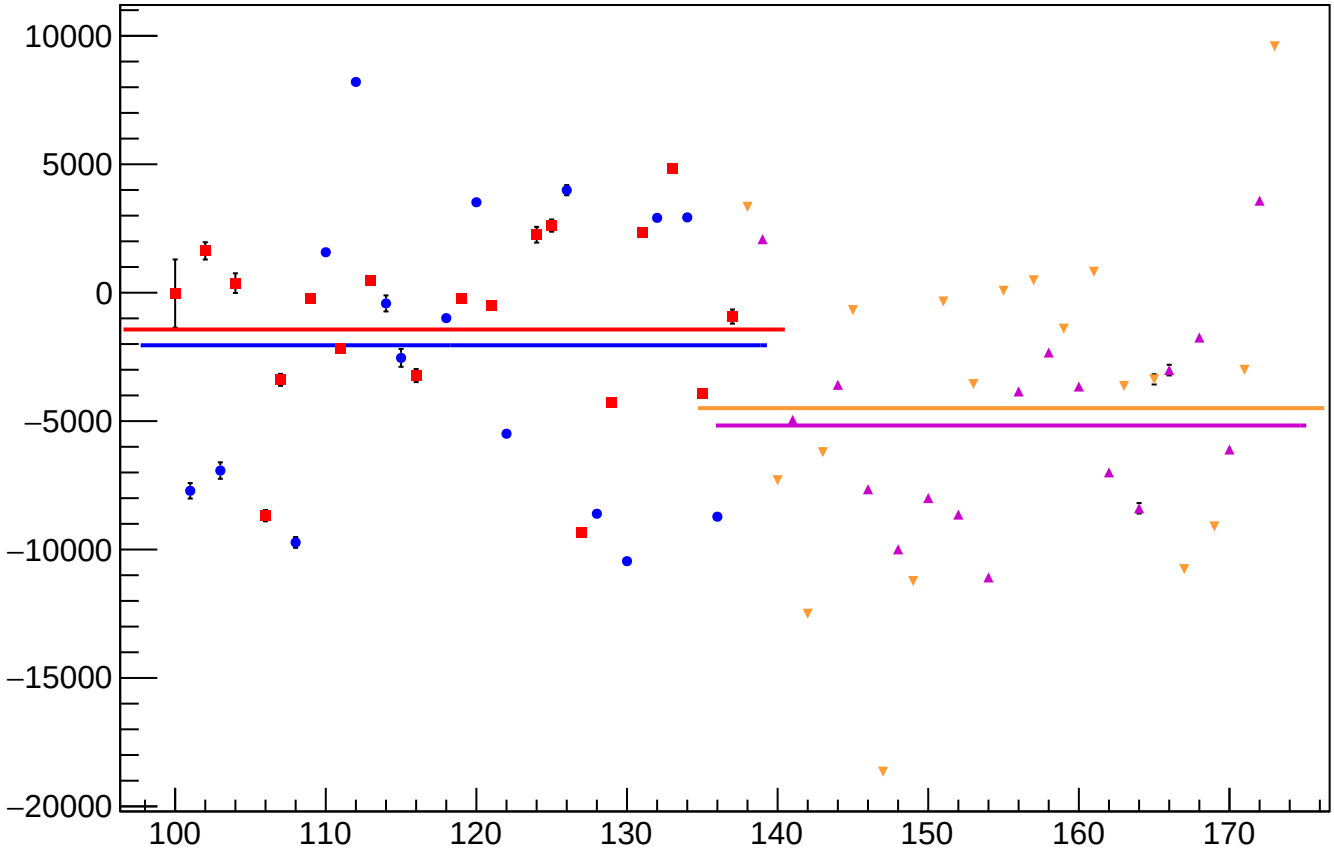
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 219.907+/-0.035 χ^2/NDF:1058966.8/32

Out: 226.626+/-0.035 χ^2/NDF:1531322.3/37

All: 223.260+/-0.025 χ^2/NDF: 2609007.1/70

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4495.353+/-32.740 χ^2/NDF:37947.0/18

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5171.035+/-34.009 χ^2/NDF:12986.5/16

Left: -4820.350+/-23.587 χ^2/NDF: 51138.3/35

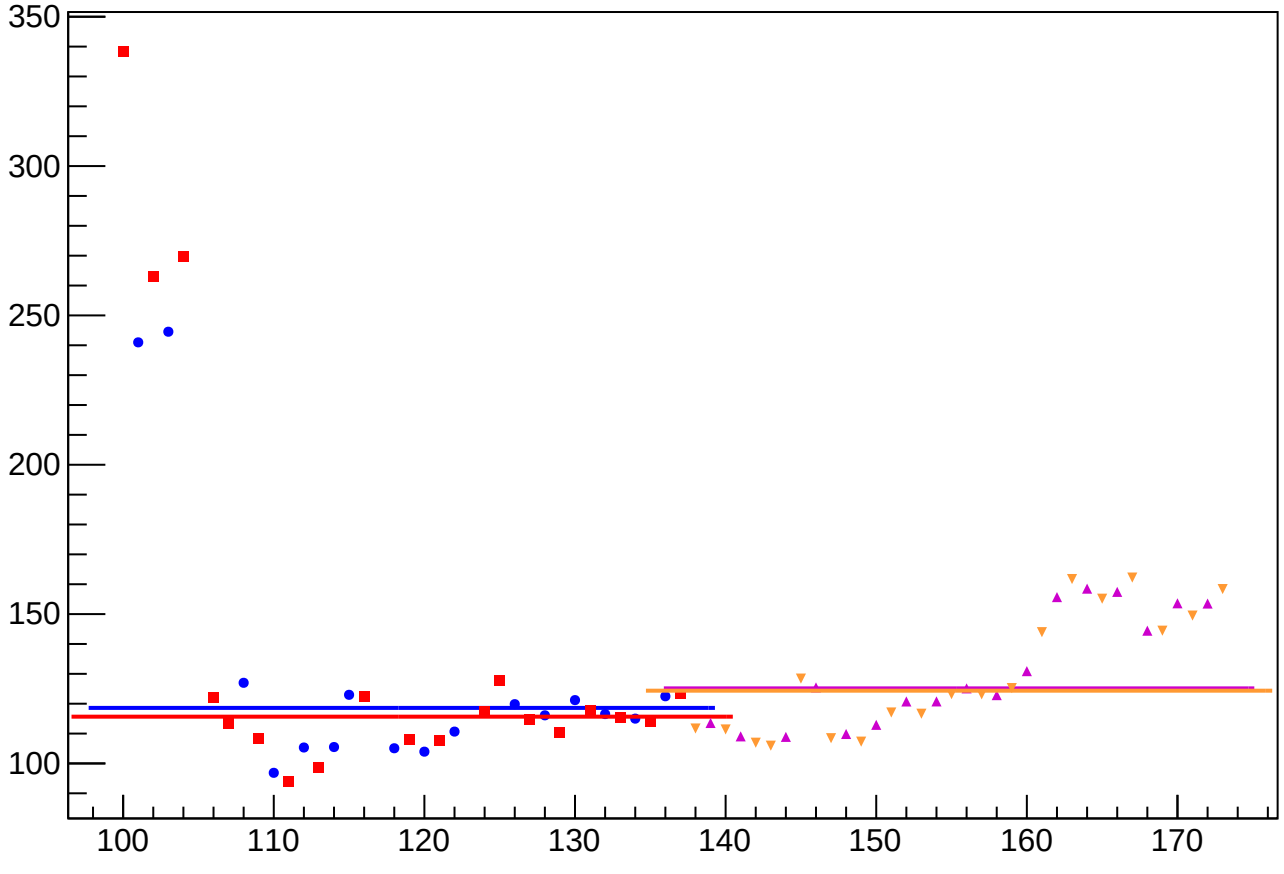
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4089.140+/-27.496 χ^2/NDF:32617.5/32

Out: -3426.985+/-26.419 χ^2/NDF:47387.1/37

All: -3744.838+/-19.050 χ^2/NDF: 80306.2/70

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 124.360+/-0.023 χ^2/NDF:604298.2/18

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 125.133+/-0.024 χ^2/NDF:457640.1/16

Left: 124.732+/-0.017 χ^2/NDF: 1062474.1/35

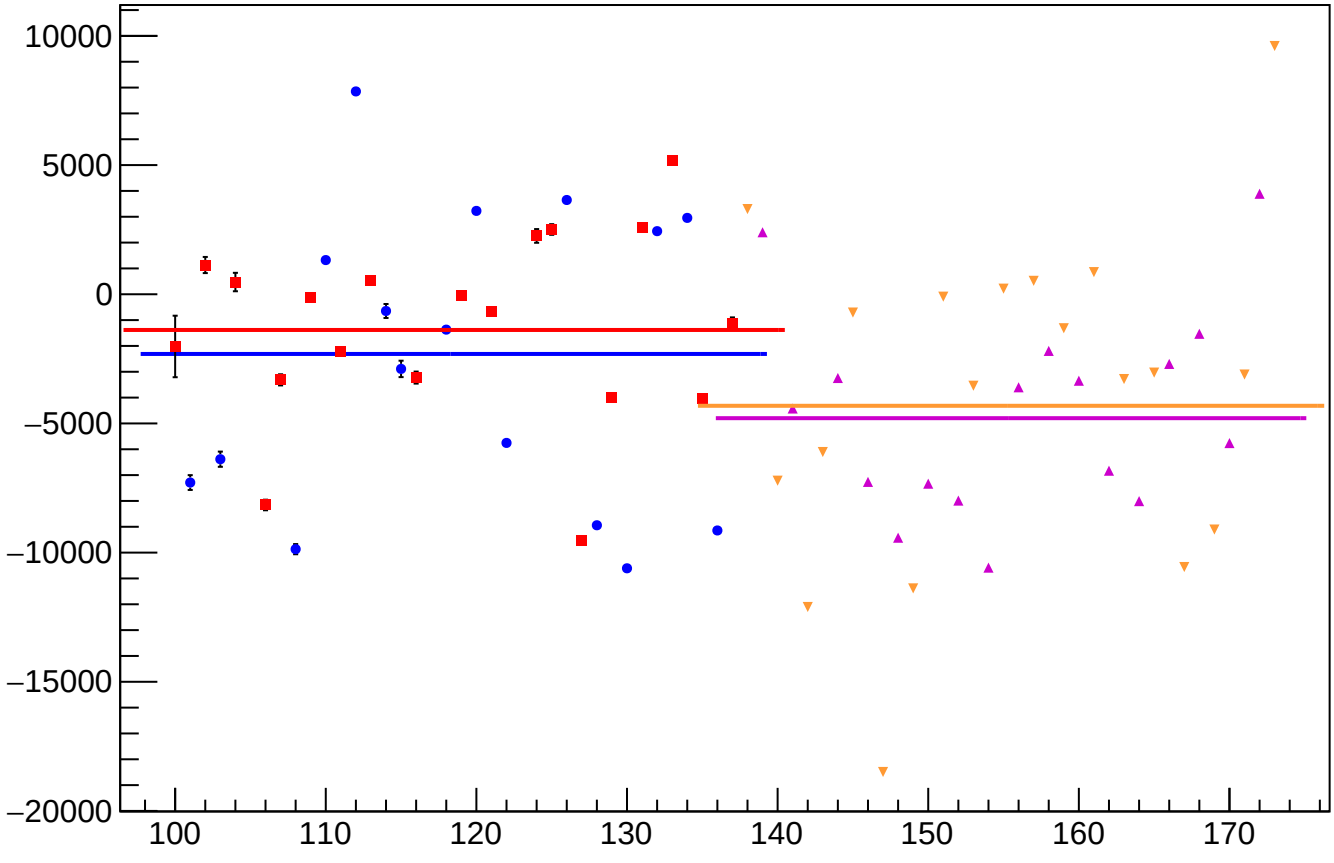
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 122.869+/-0.019 χ^2/NDF:1217389.2/32

Out: 121.325+/-0.019 χ^2/NDF:1517776.4/37

All: 122.066+/-0.013 χ^2/NDF: 2738444.5/70

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4317.125+/-29.423 χ^2/NDF:45444.8/18

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: -4796.477+/-30.559 χ^2/NDF:15254.8/16

Left: -4547.725+/-21.196 χ^2/NDF: 60827.3/35

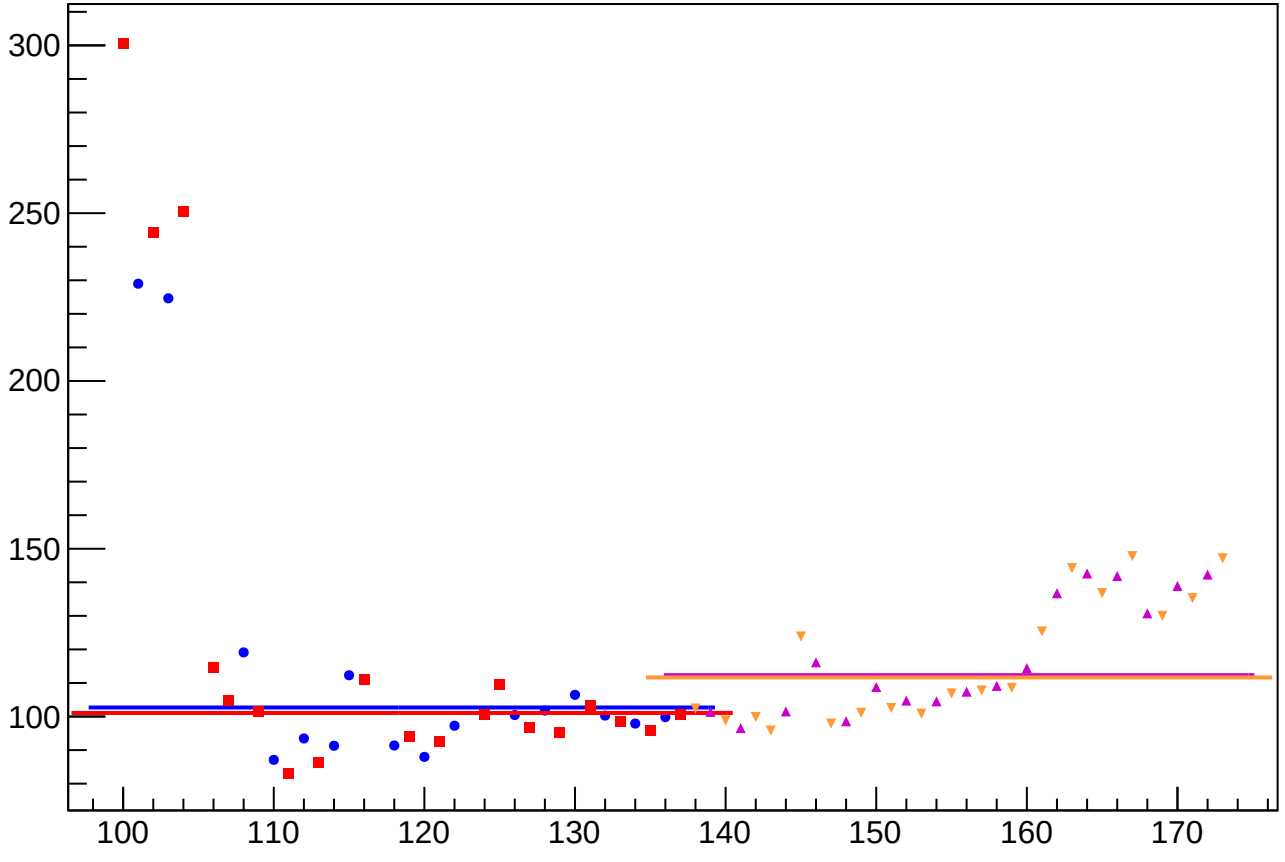
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -3901.239+/-24.445 χ^2/NDF:39317.3/32

Out: -3264.359+/-23.562 χ^2/NDF:57592.7/37

All: -3571.095+/-16.965 χ^2/NDF: 97261.9/70

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 111.644+/-0.021 χ^2/NDF:608186.6/18

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 112.323+/-0.022 χ^2/NDF:462600.4/16

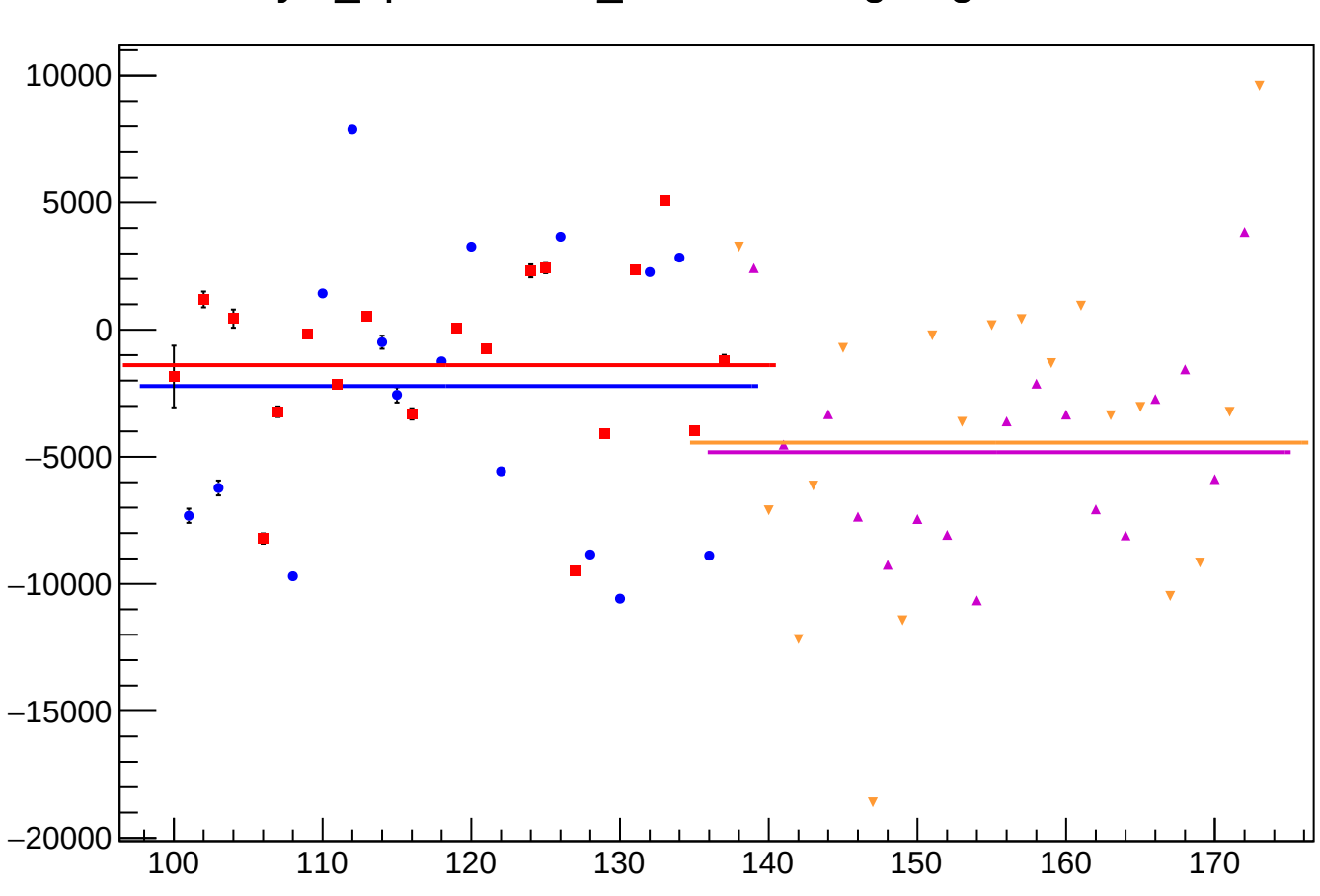
Left: 111.971+/-0.015 χ^2/NDF: 1071299.5/35

Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 108.856+/-0.017 χ^2/NDF:1359922.6/32

Out: 107.849+/-0.017 χ^2/NDF:1631422.6/37

All: 108.334+/-0.012 χ^2/NDF: 2993103.2/70



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4440.195+/-28.795 χ^2/NDF:48853.9/18

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: -4820.332+/-29.875 χ^2/NDF:16148.6/16

Left: -4623.270+/-20.733 χ^2/NDF: 65086.4/35

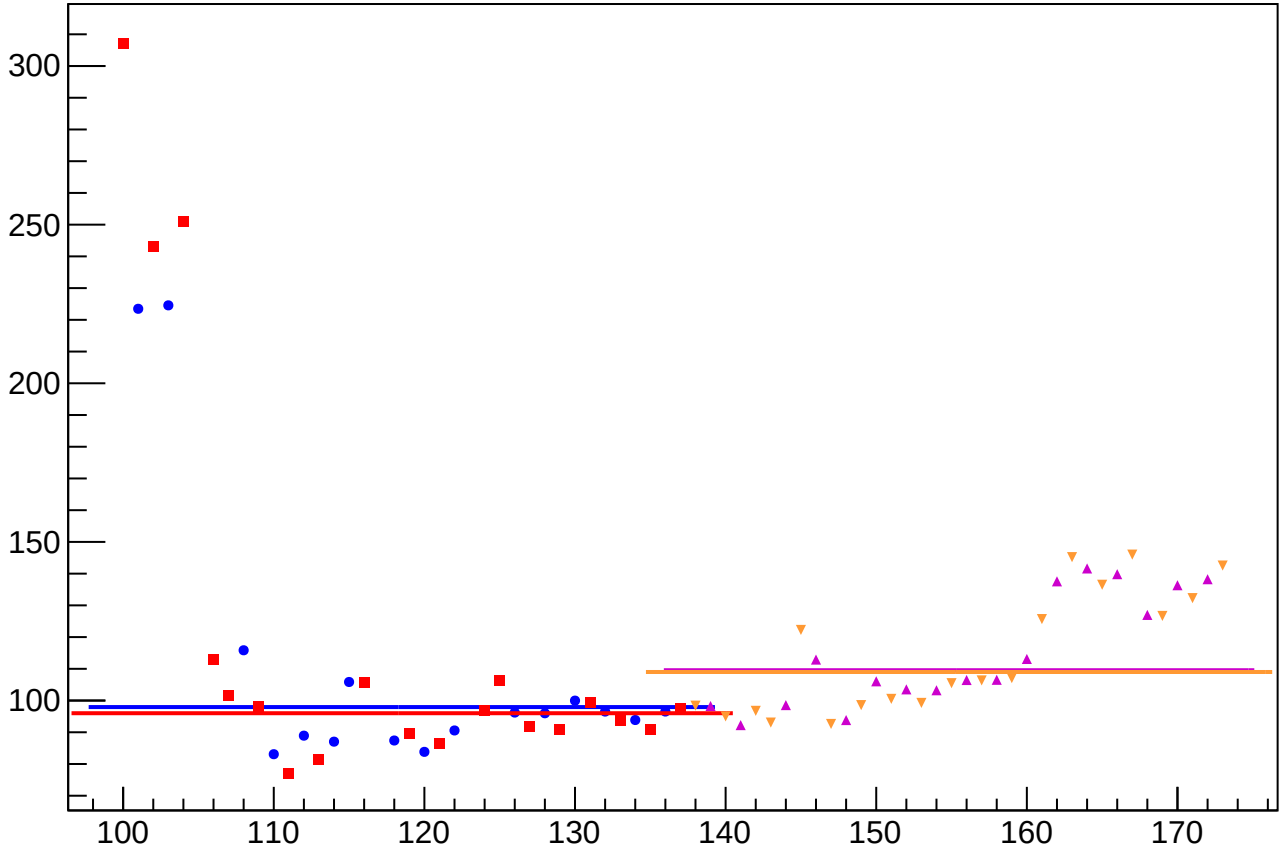
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -3859.210+/-23.725 χ^2/NDF:41991.6/32

Out: -3313.136+/-22.857 χ^2/NDF:62147.1/37

All: -3575.998+/-16.461 χ^2/NDF: 104413.5/7

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 109.000+/-0.020 χ^2/NDF:677619.8/18

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 109.559+/-0.021 χ^2/NDF:512892.5/16

Left: 109.269+/-0.015 χ^2/NDF: 1190876.5/35

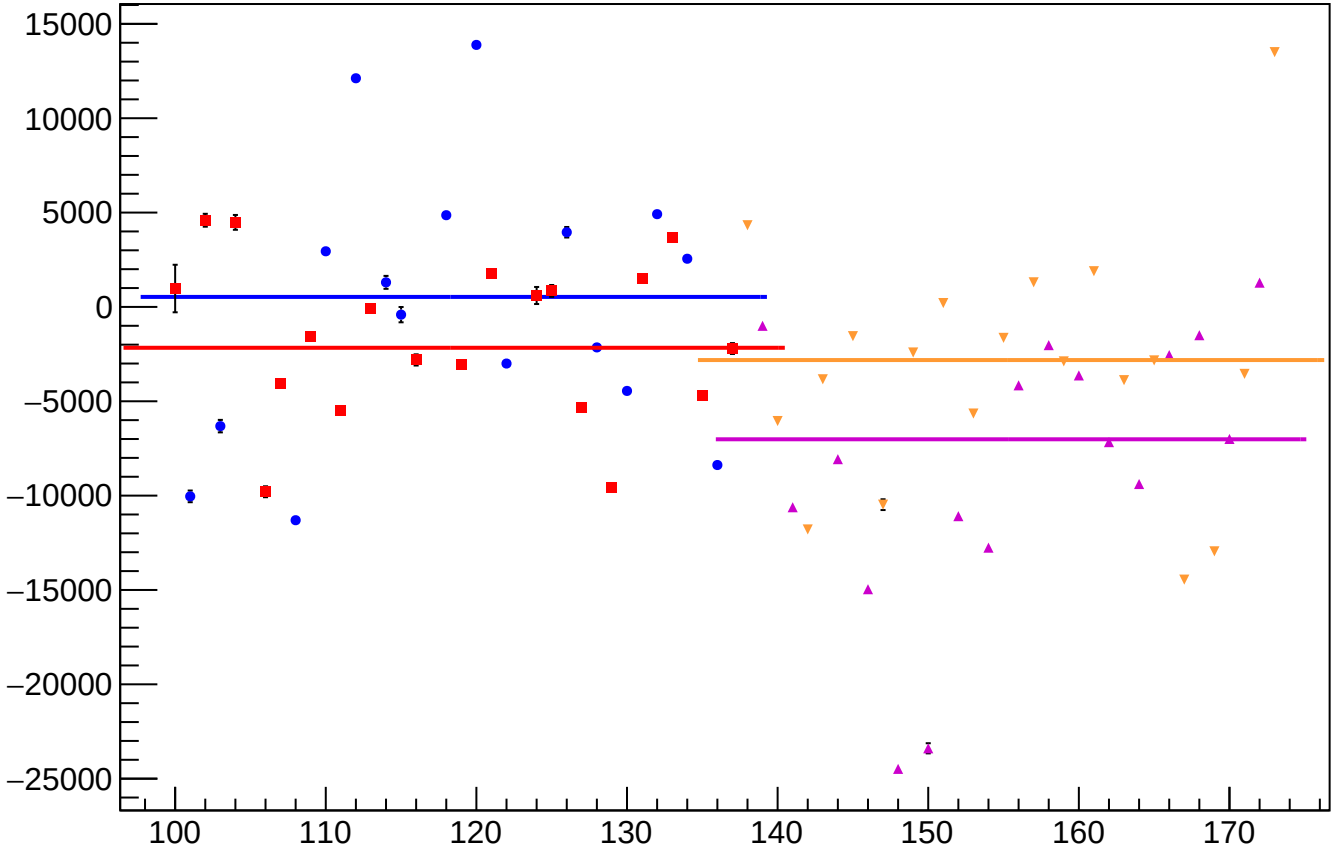
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 105.269+/-0.017 χ^2/NDF:1492709.2/32

Out: 104.192+/-0.016 χ^2/NDF:1840582.9/37

All: 104.711+/-0.012 χ^2/NDF: 3335429.4/70

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2815.940+/-40.852 χ^2/NDF:21176.8/18

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -7014.741+/-43.155 χ^2/NDF:19024.7/16

Left: -4800.287+/-29.668 χ^2/NDF: 45194.1/35

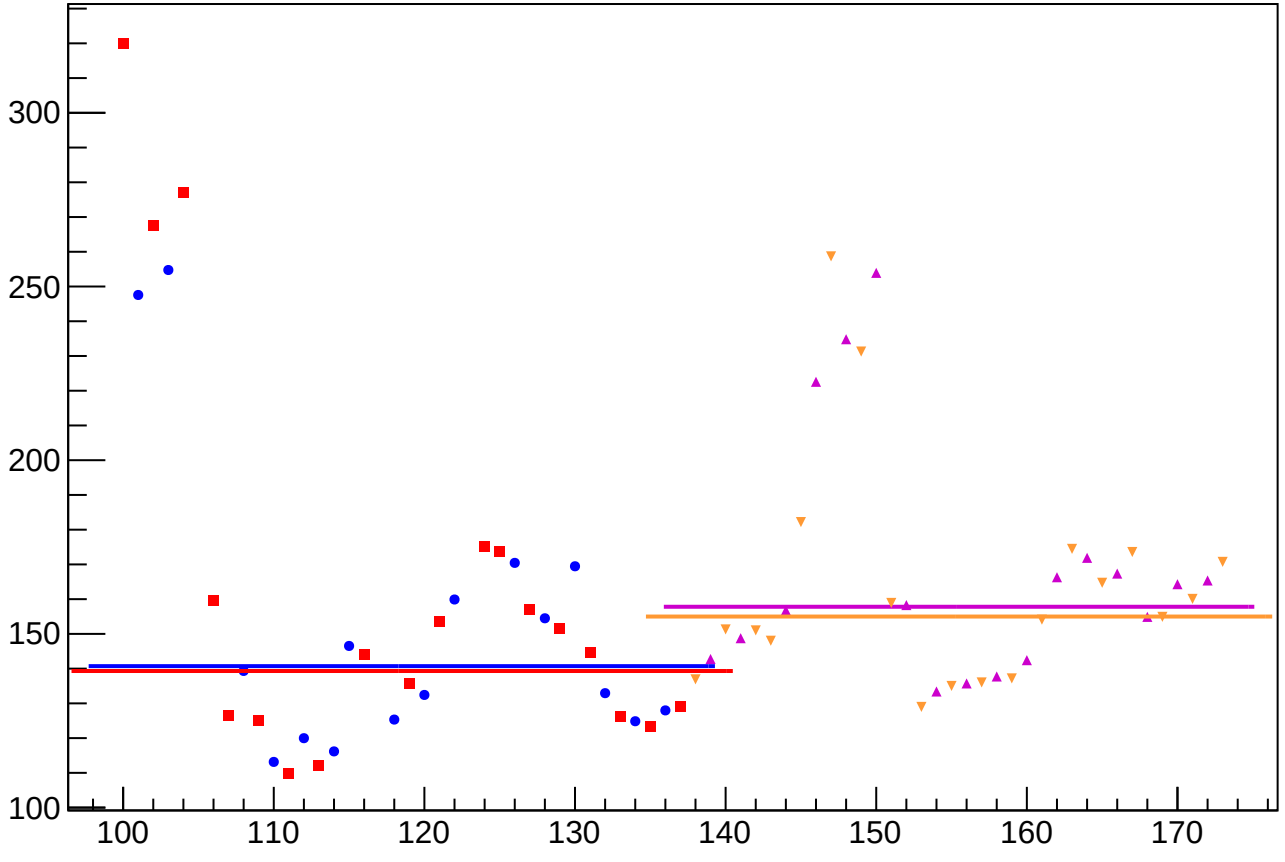
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -4130.105+/-33.917 χ^2/NDF:49299.1/32

Out: -2575.952+/-32.459 χ^2/NDF:26237.6/37

All: -3318.903+/-23.451 χ^2/NDF: 76632.6/70

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 154.995+/-0.029 χ^2/NDF:733838.9/18

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 157.811+/-0.031 χ^2/NDF:783412.7/16

Left: 156.326+/-0.021 χ^2/NDF: 1521742.2/35

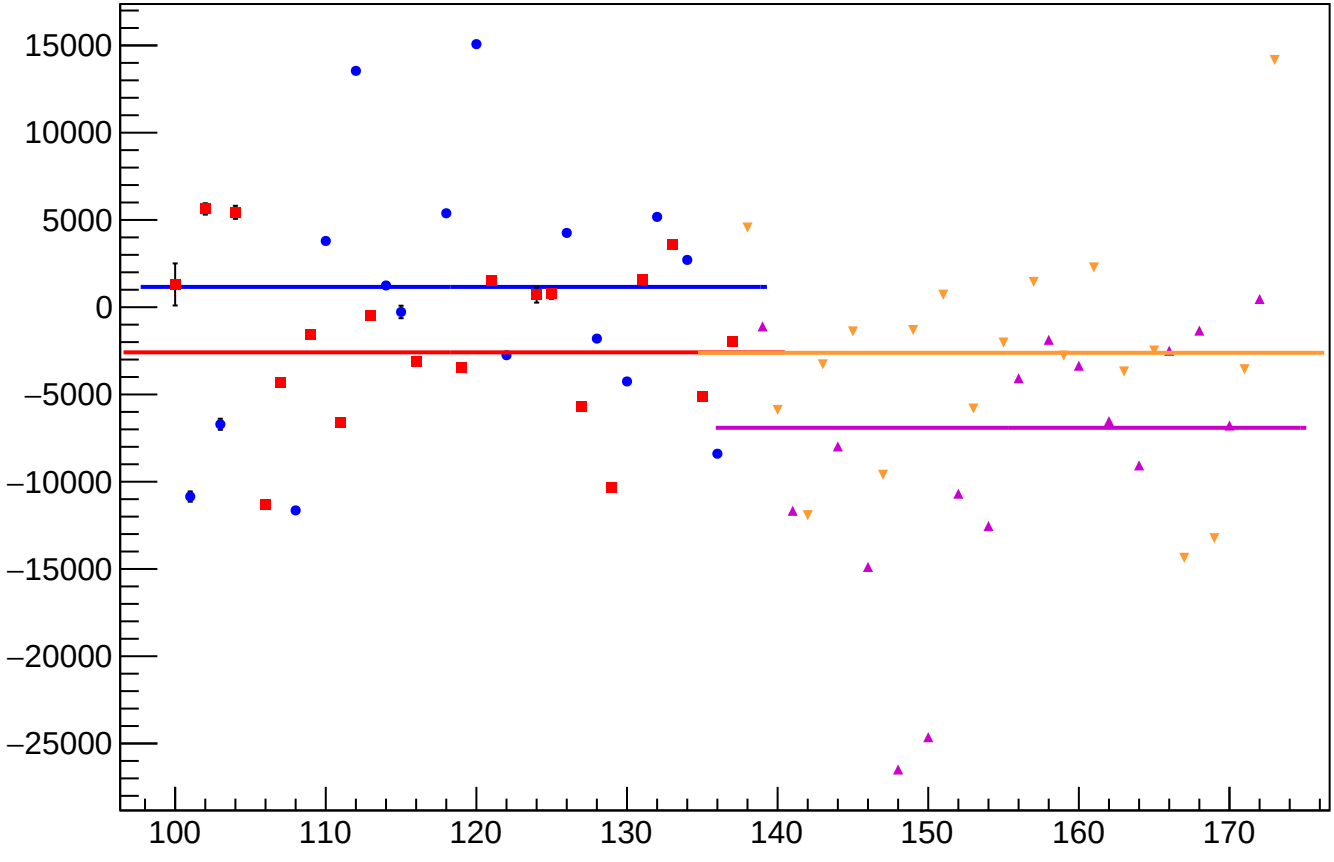
Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 151.275+/-0.024 χ^2/NDF:1579023.0/32

Out: 149.215+/-0.023 χ^2/NDF:1644759.5/37

All: 150.200+/-0.017 χ^2/NDF: 3227633.8/70

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2613.501+/-36.232 χ^2/NDF:27145.3/18

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: -6910.882+/-38.354 χ^2/NDF:24344.4/16

Left: -4640.025+/-26.338 χ^2/NDF: 58123.8/35

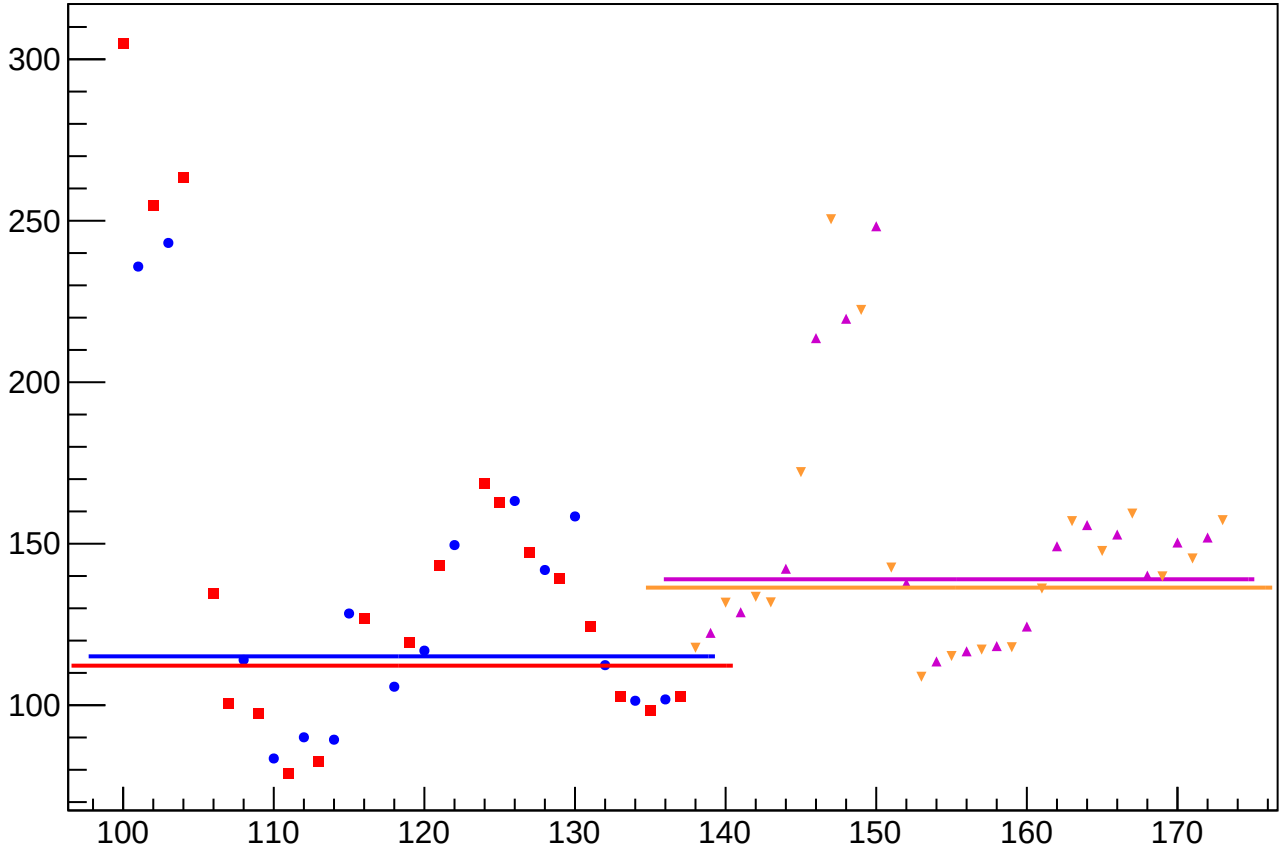
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -3593.899+/-29.439 χ^2/NDF:73304.5/32

Out: -2602.768+/-28.035 χ^2/NDF:35245.2/37

All: -3074.130+/-20.302 χ^2/NDF: 109144.1/7

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 136.407+/-0.026 χ^2/NDF:1050018.8/18

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 138.991+/-0.027 χ^2/NDF:1089938.1/16

Left: 137.625+/-0.019 χ^2/NDF: 2144754.8/35

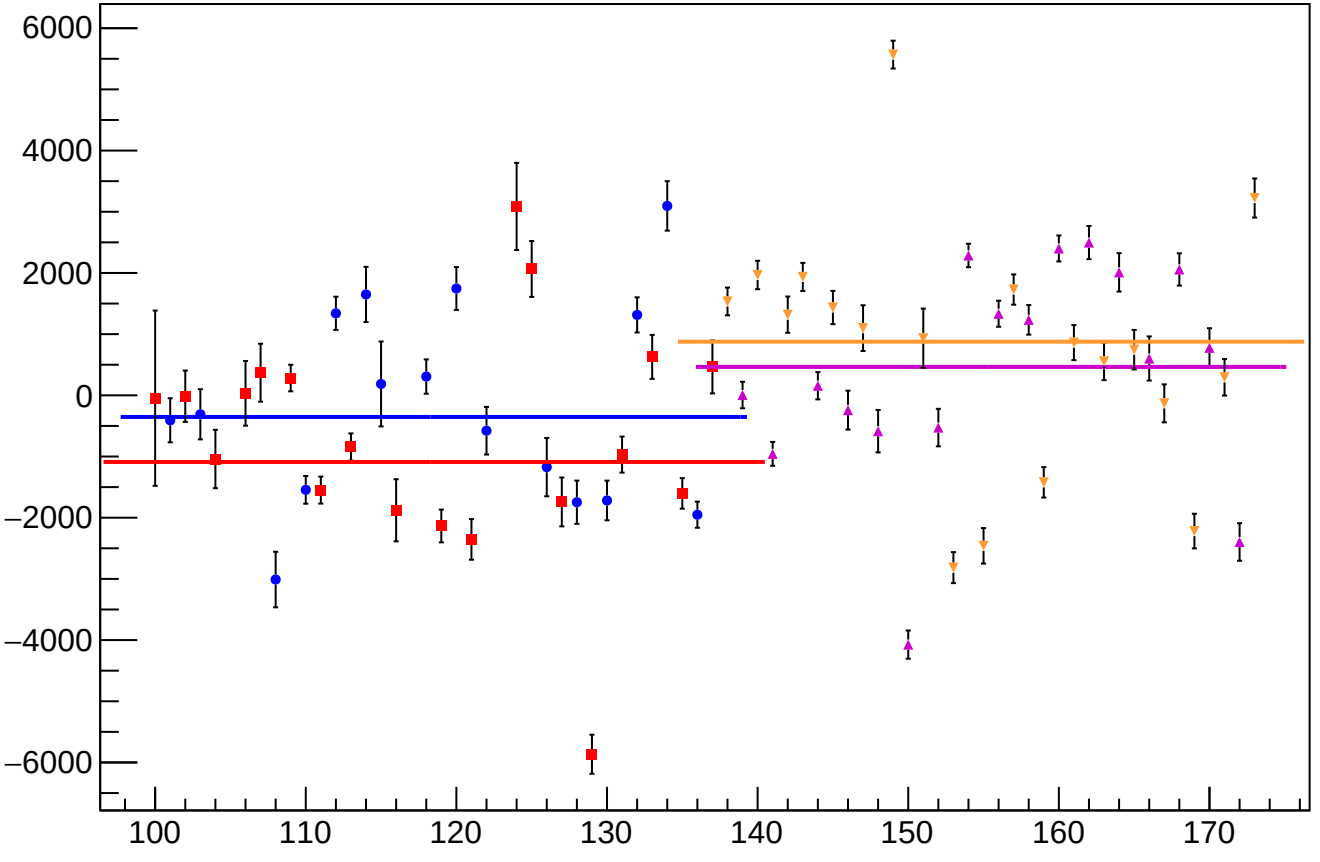
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 129.186+/-0.021 χ^2/NDF:2521066.6/32

Out: 126.710+/-0.020 χ^2/NDF:2735200.6/37

All: 127.888+/-0.014 χ^2/NDF: 5263690.6/70

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 876.702+/-63.372 χ^2/NDF:1114.4/18

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: 464.170+/-60.824 χ^2/NDF:876.7/16

Left: 661.977+/-43.882 χ^2/NDF: 2013.1/35

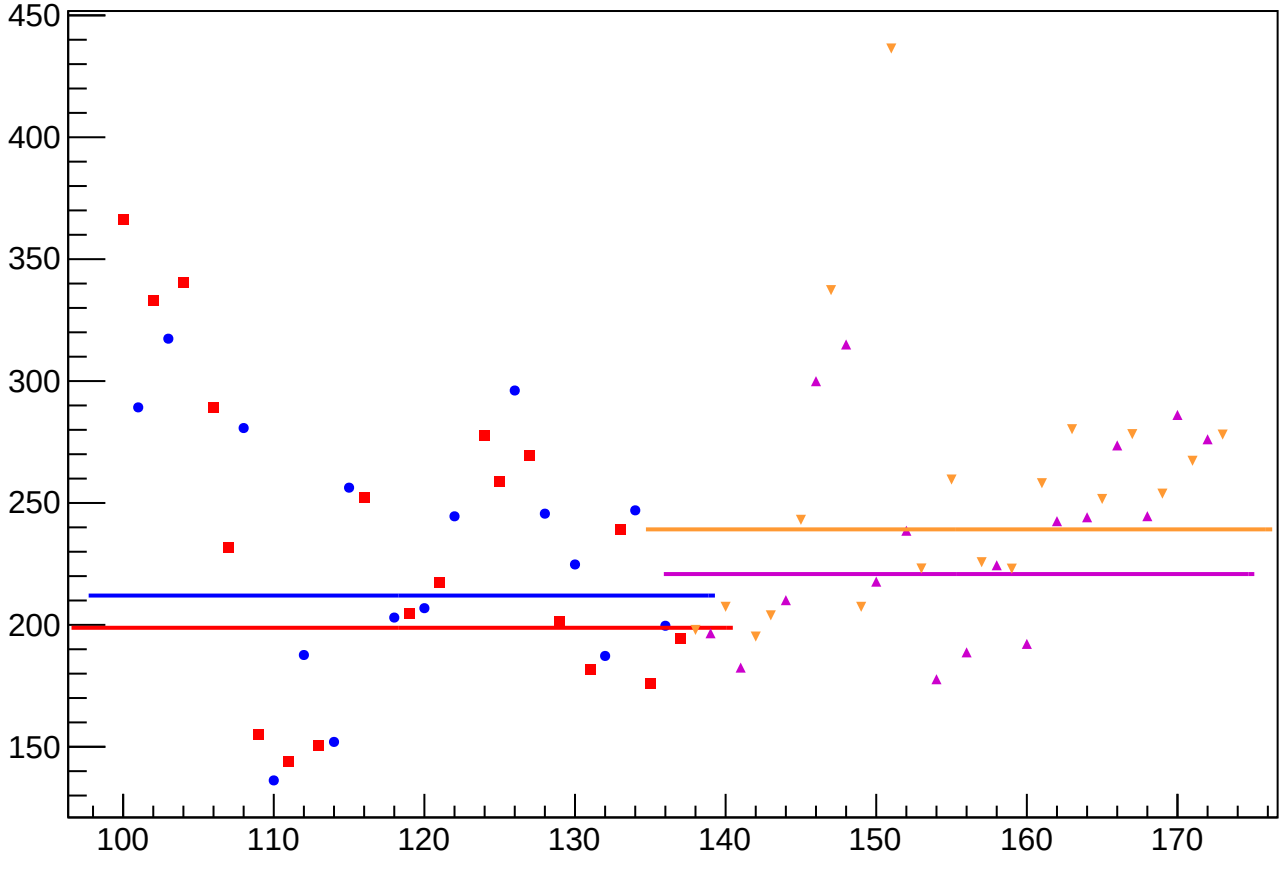
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: 174.710+/-48.881 χ^2/NDF:1302.4/32

Out: 76.144+/-48.787 χ^2/NDF:1953.4/37

All: 125.333+/-34.531 χ^2/NDF: 3257.8/70

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 239.173+/-0.045 χ^2/NDF:866914.9/18

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 220.847+/-0.043 χ^2/NDF:800180.4/16

Left: 229.634+/-0.031 χ^2/NDF: 1754155.0/35

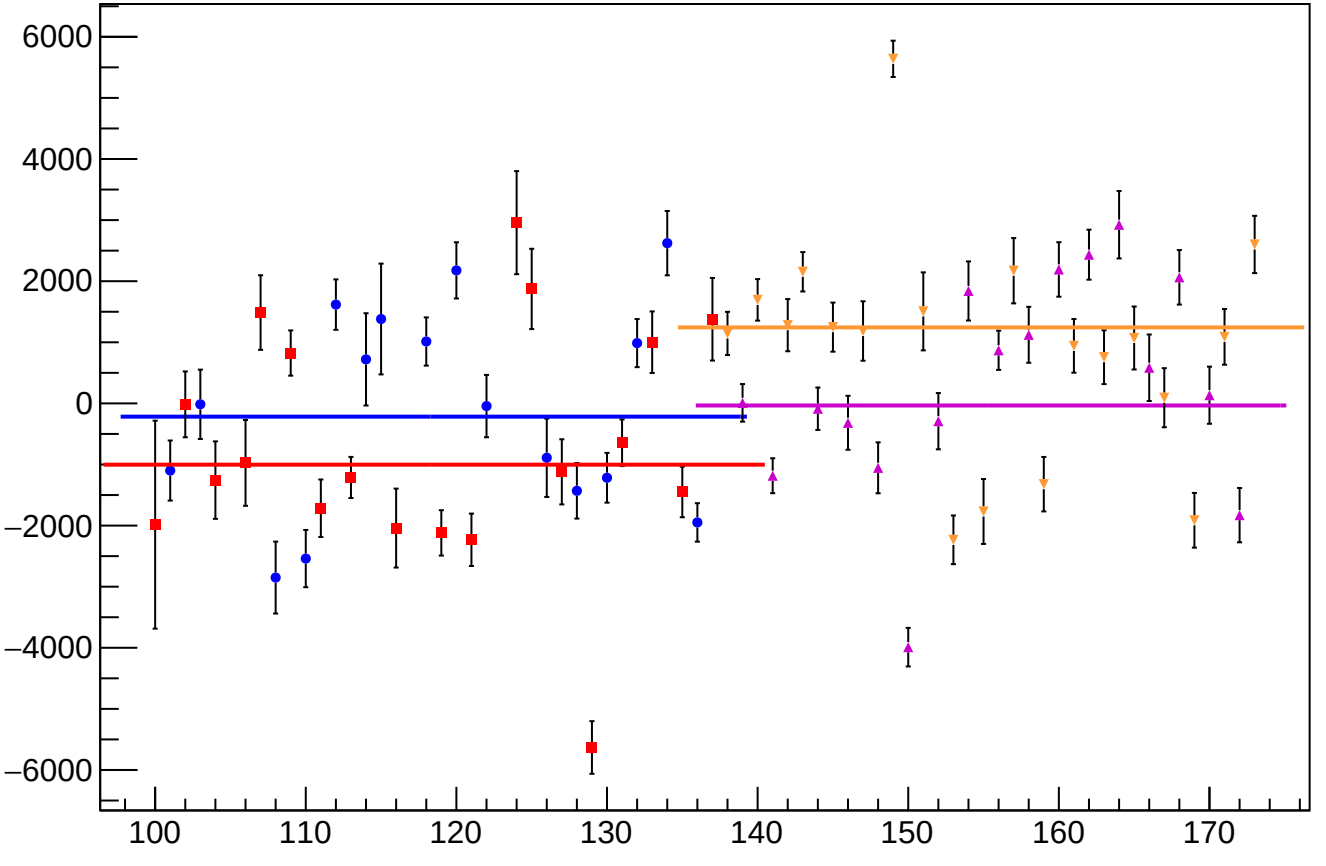
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 217.723+/-0.035 χ^2/NDF:1505431.5/32

Out: 222.733+/-0.034 χ^2/NDF:2172334.3/37

All: 220.233+/-0.024 χ^2/NDF: 3688287.3/70

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1243.660+/-96.644 χ^2/NDF:438.8/18

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: -34.179+/-96.304 χ^2/NDF:339.0/16

Left: 602.493+/-68.217 χ^2/NDF: 865.5/35

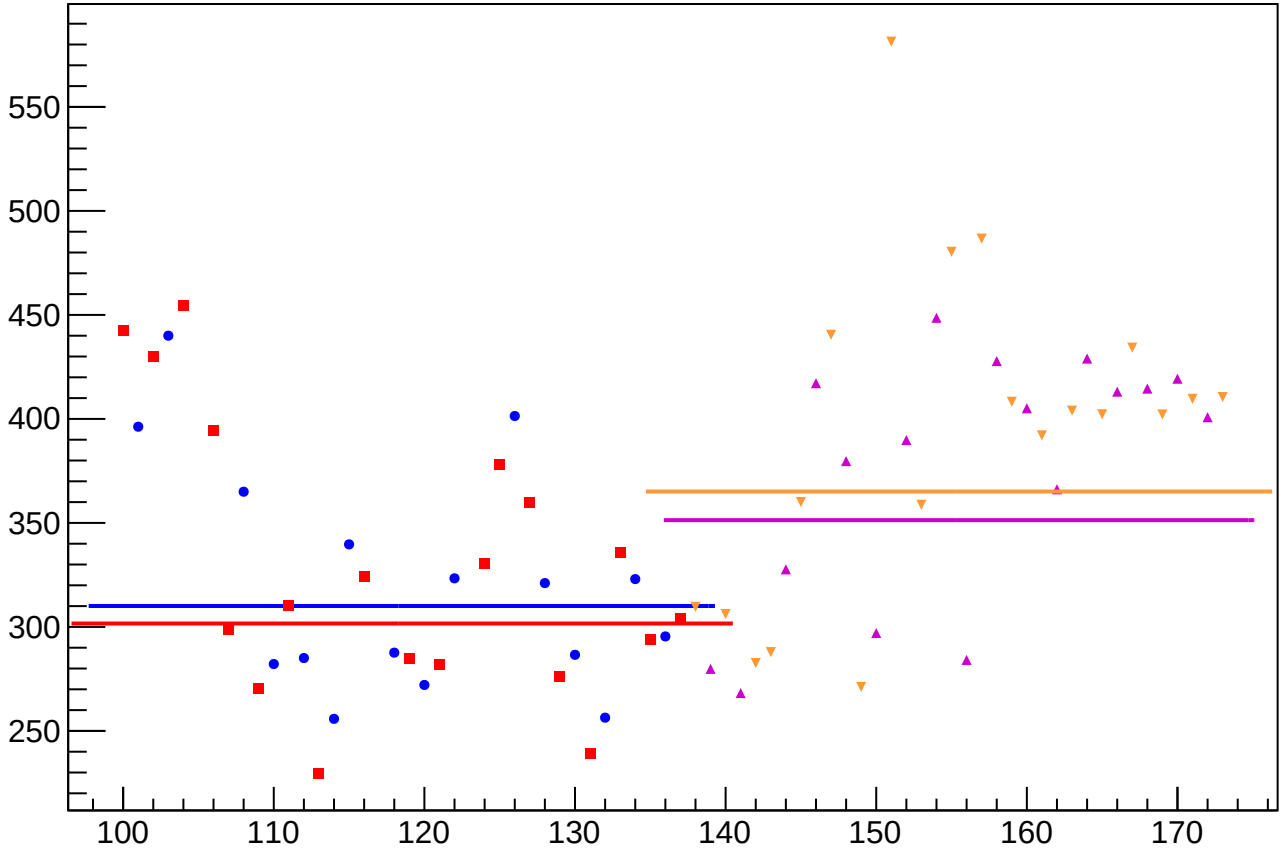
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -107.332+/-74.582 χ^2/NDF:532.7/32

Out: 295.606+/-73.476 χ^2/NDF:921.2/37

All: 97.145+/-52.342 χ^2/NDF: 1468.6/70

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 365.095+/-0.068 χ^2/NDF:1118888.9/18

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 351.320+/-0.068 χ^2/NDF:842177.3/16

Left: 358.183+/-0.048 χ^2/NDF: 1981452.8/35

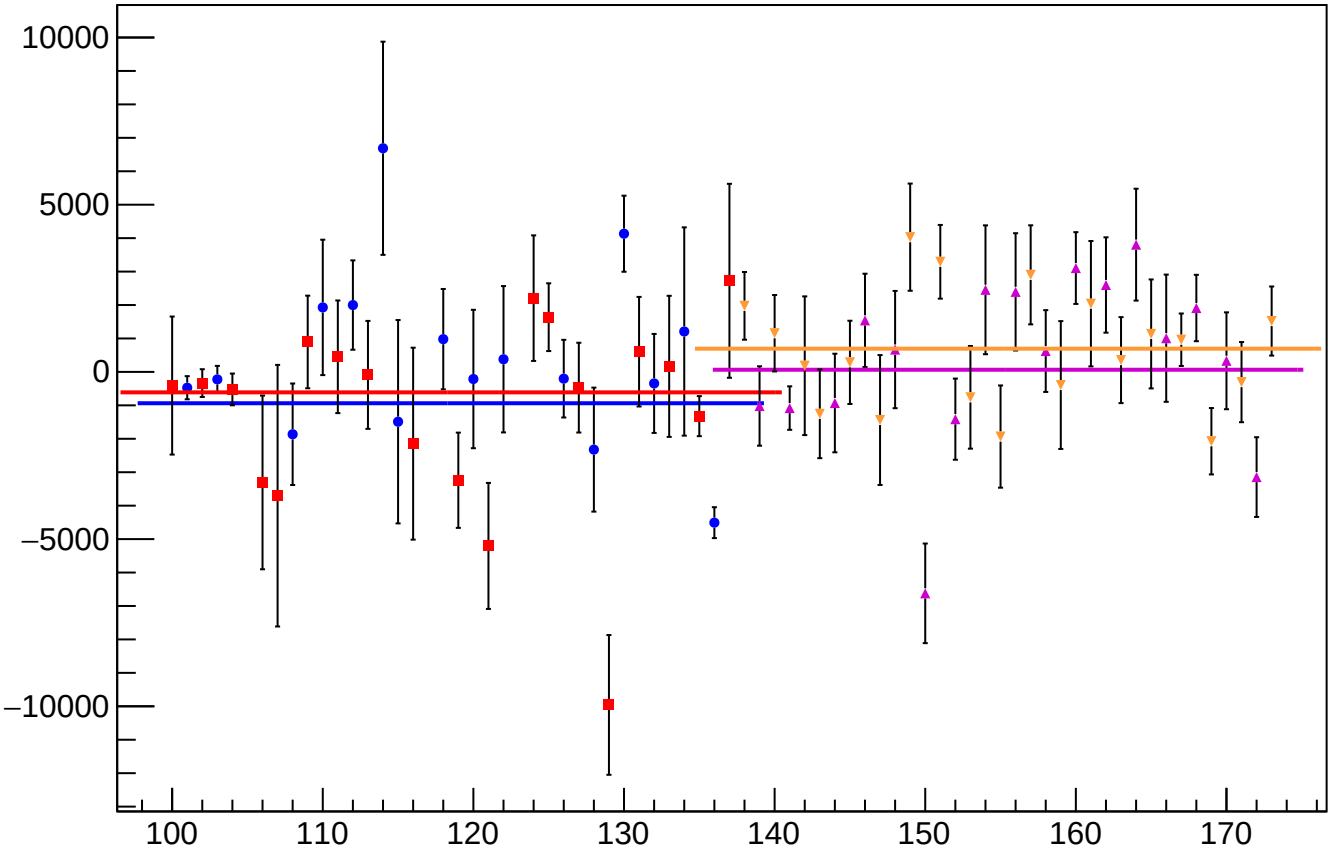
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 334.807+/-0.053 χ^2/NDF:1312383.5/32

Out: 338.317+/-0.052 χ^2/NDF:2002642.7/37

All: 336.588+/-0.037 χ^2/NDF: 3317275.0/70

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 694.469+/-291.279 χ^2/NDF:31.5/18

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: 64.728+/-302.091 χ^2/NDF:58.0/16

Left: 391.069+/-209.683 χ^2/NDF: 91.7/35

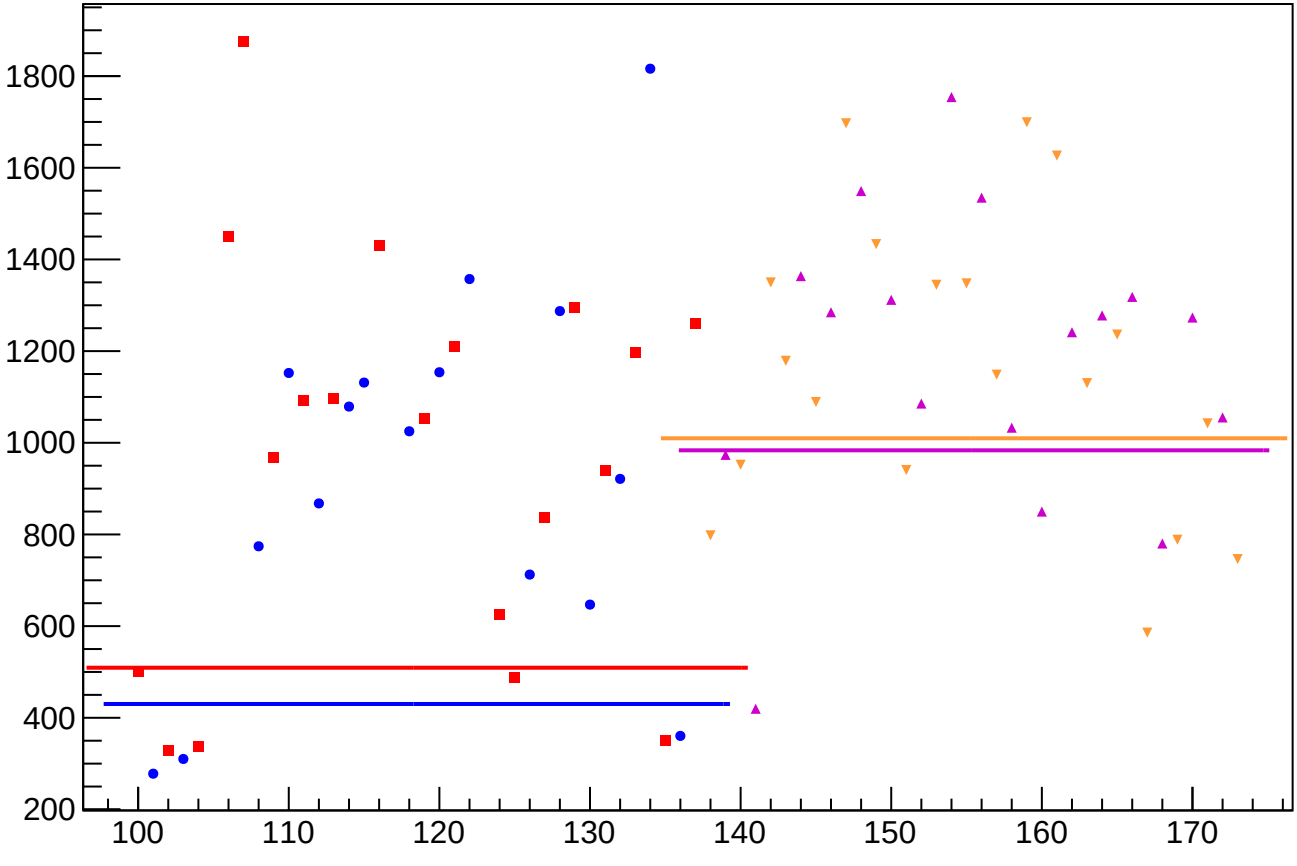
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -621.714+/-169.469 χ^2/NDF:166.7/32

Out: -101.633+/-182.018 χ^2/NDF:87.9/37

All: -380.218+/-124.032 χ^2/NDF: 258.9/70

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1009.792+/-0.206 χ^2/NDF:2143604.0/18

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 983.567+/-0.214 χ^2/NDF:2962935.3/16

Left: 997.157+/-0.148 χ^2/NDF: 5114349.7/35

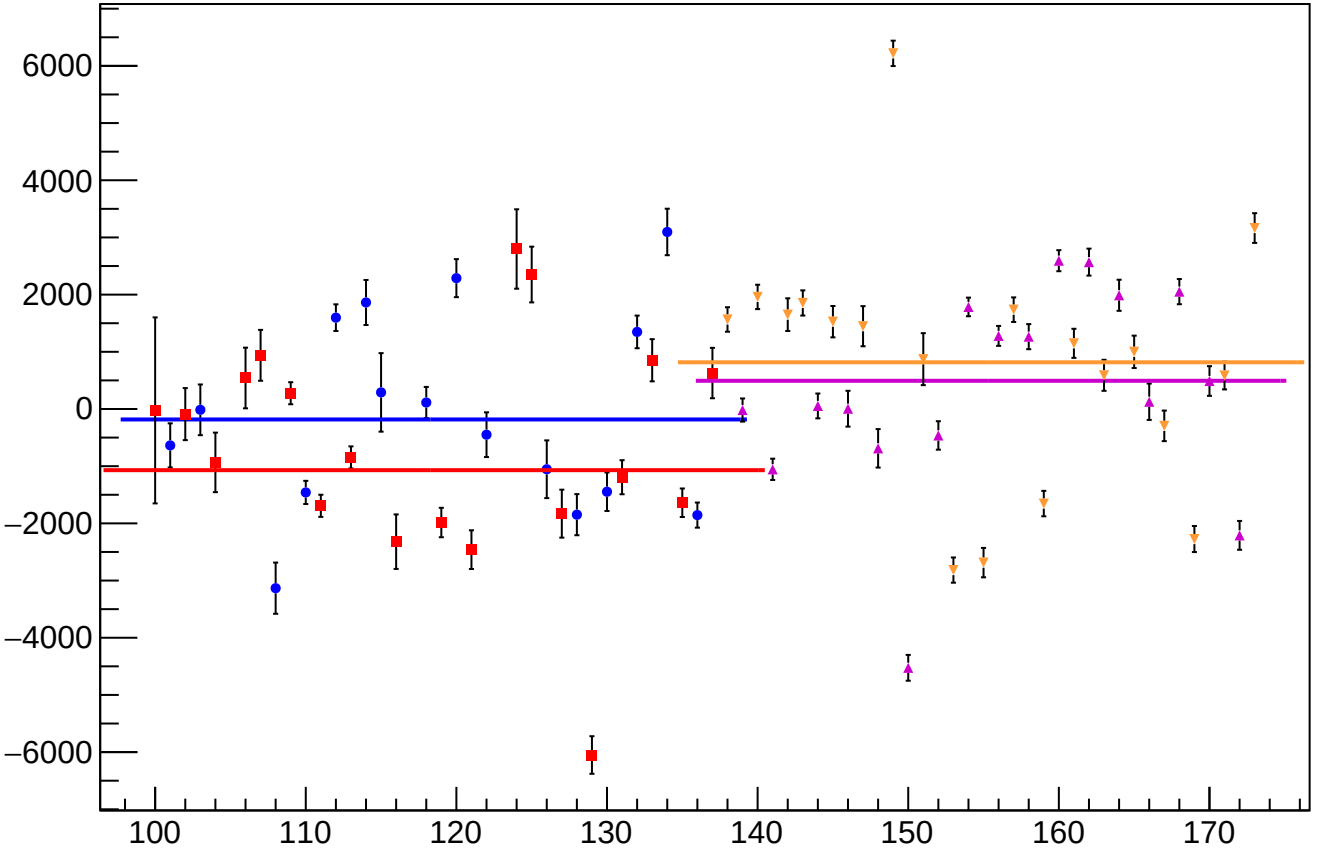
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 604.288+/-0.120 χ^2/NDF:11085230.5/32

Out: 704.698+/-0.129 χ^2/NDF:9416977.7/37

All: 650.913+/-0.088 χ^2/NDF: 20828231.0/70

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 816.802+/-57.037 χ^2/NDF:1559.2/18

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: 493.195+/-53.999 χ^2/NDF:1104.3/16

Left: 646.150+/-39.213 χ^2/NDF: 2680.5/35

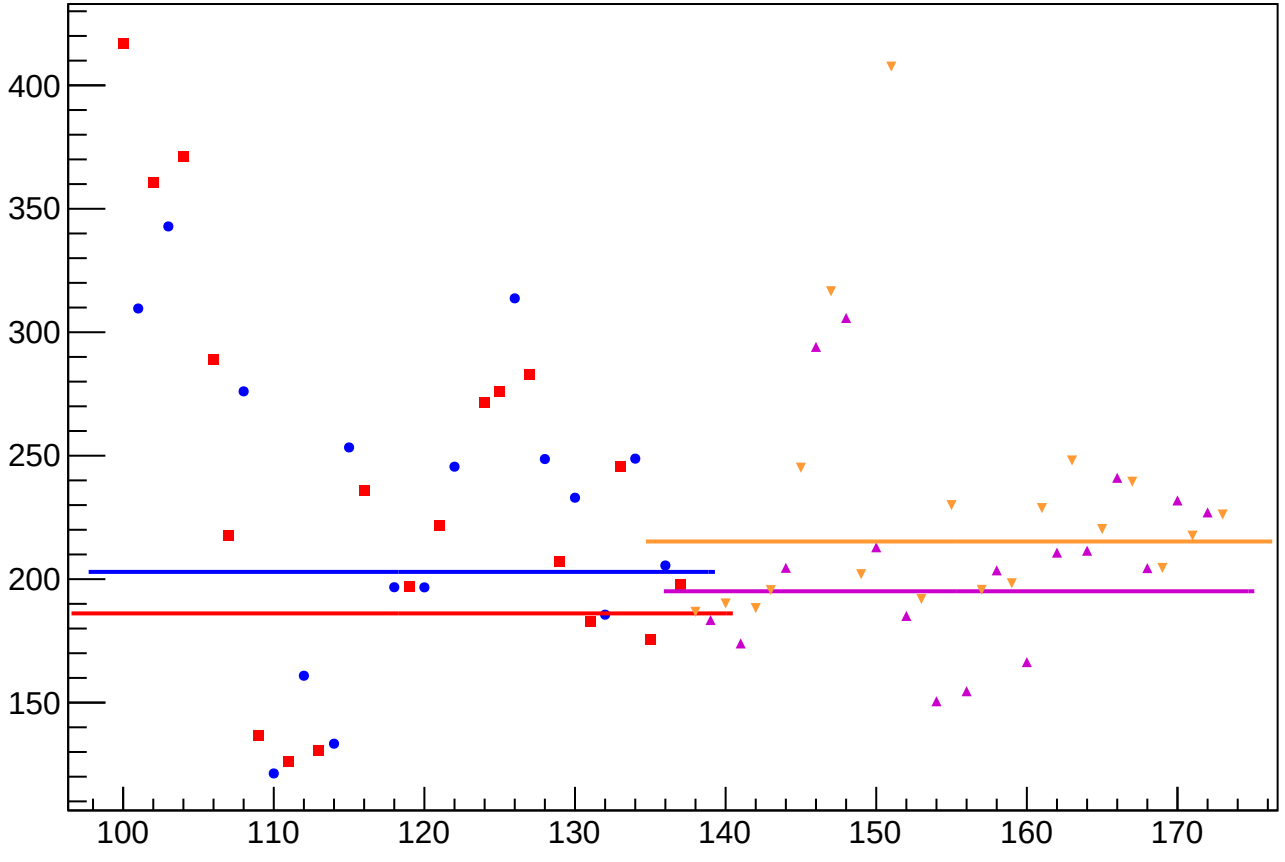
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: 281.043+/-44.733 χ^2/NDF:1571.2/32

Out: 102.423+/-44.959 χ^2/NDF:2465.8/37

All: 192.182+/-31.711 χ^2/NDF: 4044.9/70

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 215.257+/-0.040 χ^2/NDF:770124.2/18

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 195.098+/-0.038 χ^2/NDF:910969.0/16

Left: 204.626+/-0.028 χ^2/NDF: 1812851.0/35

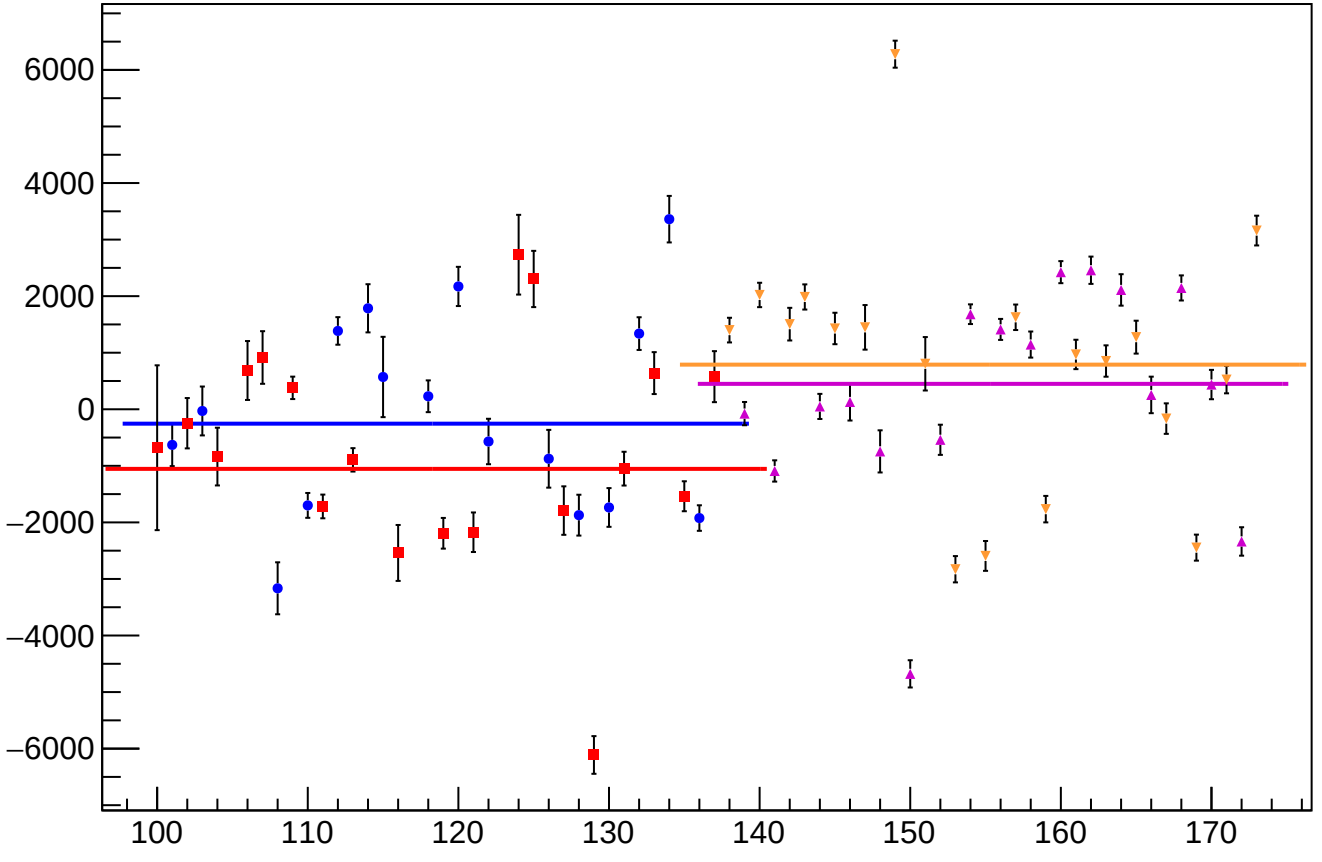
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 197.558+/-0.032 χ^2/NDF:1996067.7/32

Out: 204.227+/-0.032 χ^2/NDF:2449309.7/37

All: 200.876+/-0.022 χ^2/NDF: 4467489.4/70

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 789.317+/-58.652 χ^2/NDF:1447.1/18

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: 449.348+/-56.100 χ^2/NDF:1030.0/16

Left: 611.775+/-40.541 χ^2/NDF: 2494.6/35

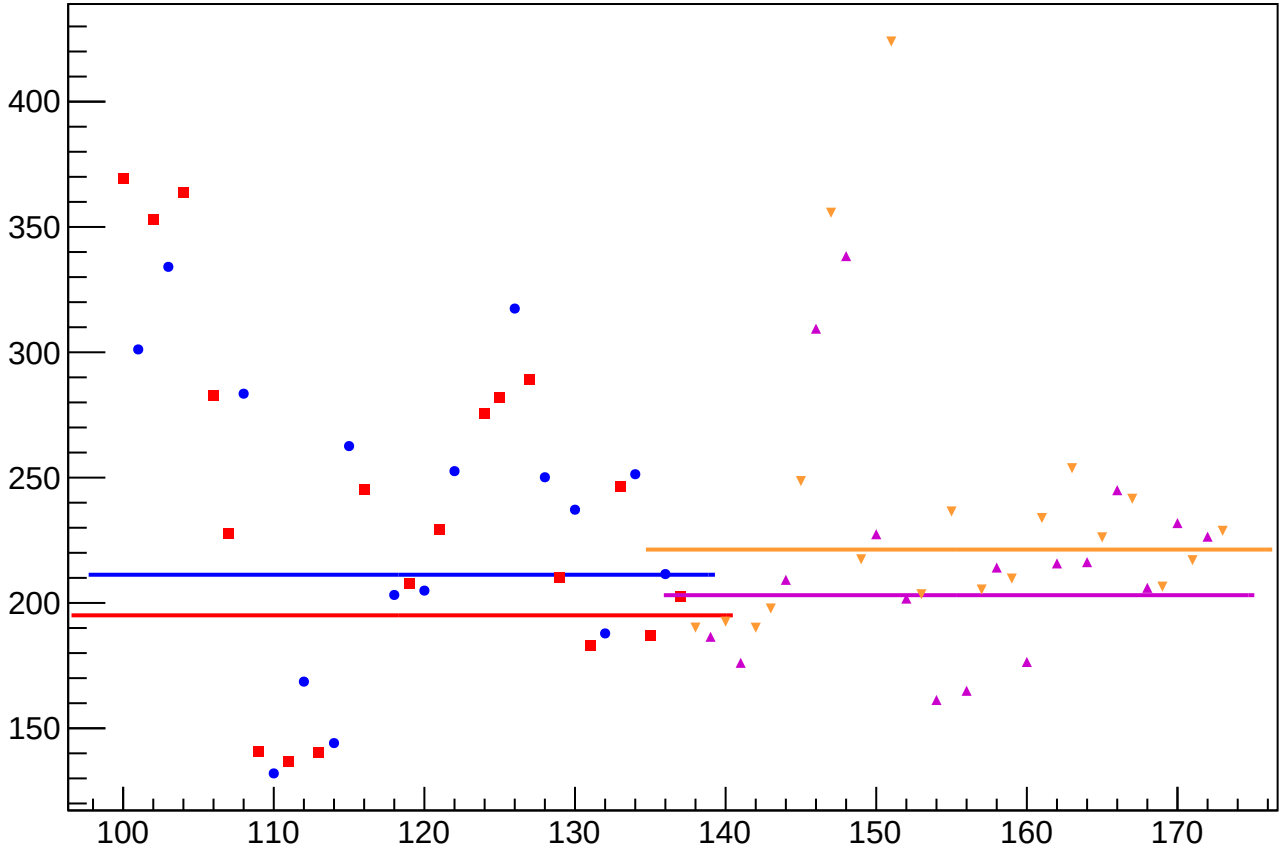
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: 226.766+/-46.389 χ^2/NDF:1489.0/32

Out: 101.014+/-46.426 χ^2/NDF:2293.5/37

All: 163.940+/-32.815 χ^2/NDF: 3786.2/70

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 221.298+/-0.041 χ^2/NDF:830106.8/18

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 203.097+/-0.040 χ^2/NDF:876611.2/16

Left: 211.793+/-0.029 χ^2/NDF: 1807288.6/35

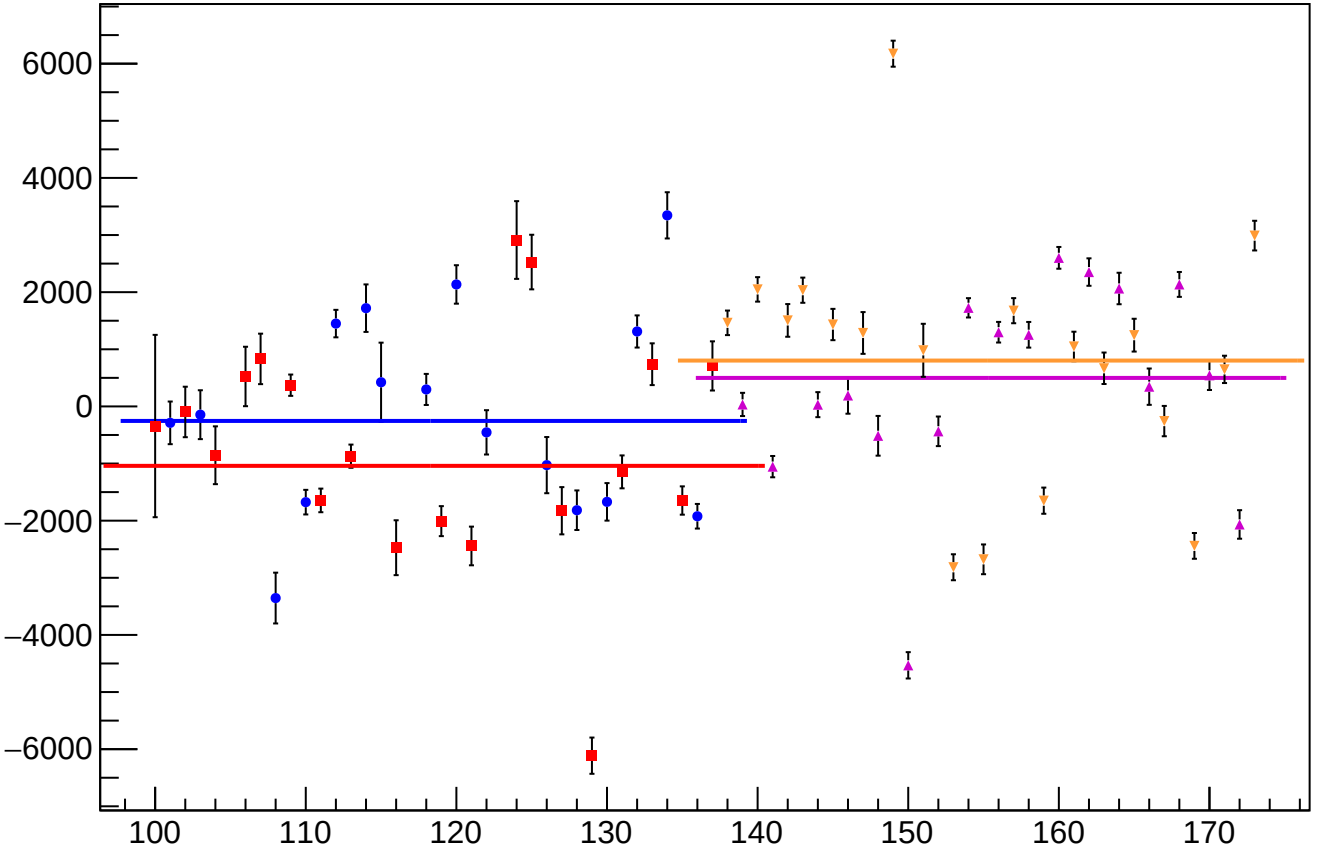
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 205.677+/-0.033 χ^2/NDF:1774343.8/32

Out: 211.499+/-0.033 χ^2/NDF:2264442.2/37

All: 208.586+/-0.023 χ^2/NDF: 4054527.9/70

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 802.757+/-57.619 χ^2/NDF:1503.2/18

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: 498.909+/-54.945 χ^2/NDF:1036.9/16

Left: 643.618+/-39.764 χ^2/NDF: 2554.6/35

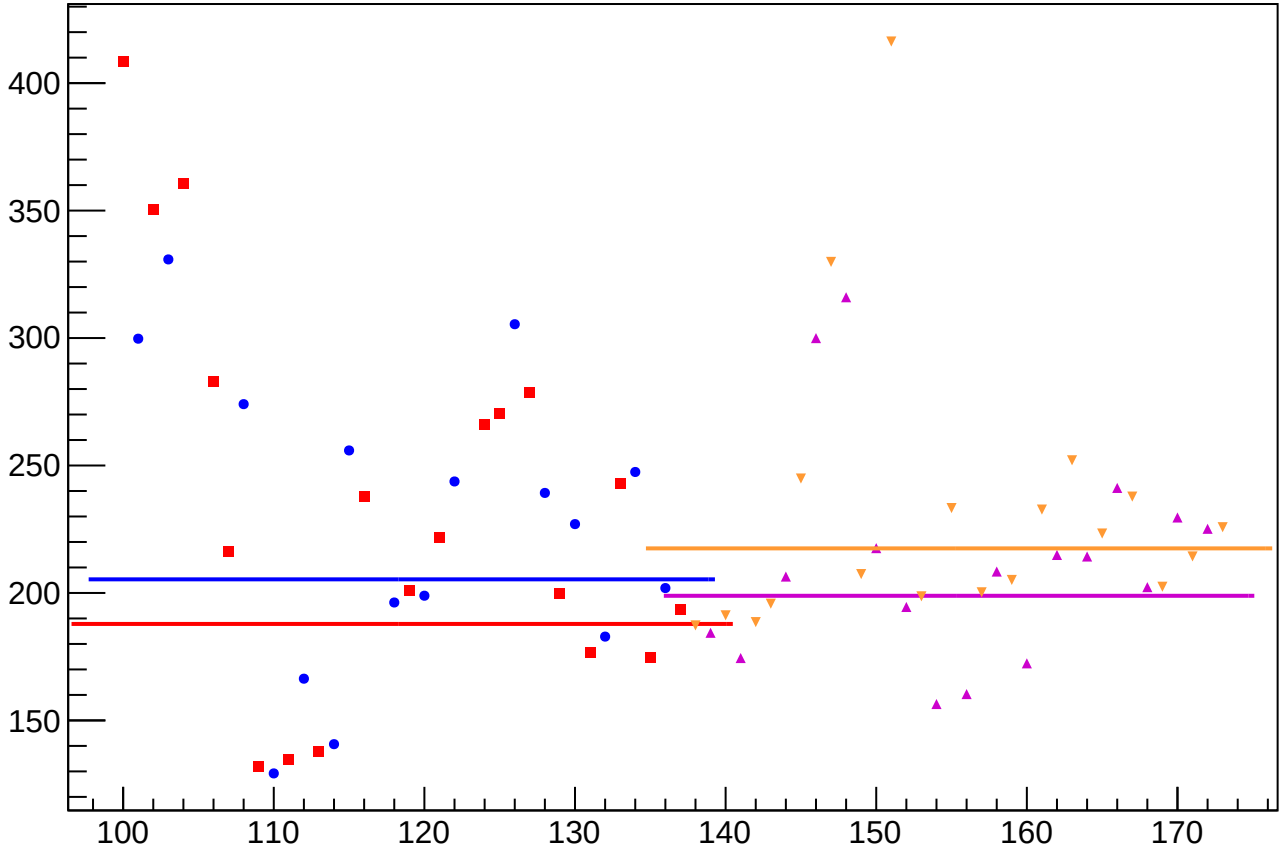
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: 258.482+/-45.332 χ^2/NDF:1528.9/32

Out: 99.579+/-45.314 χ^2/NDF:2427.0/37

All: 178.999+/-32.048 χ^2/NDF: 3962.0/70

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 217.486+/-0.041 χ^2/NDF:791004.2/18

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 198.890+/-0.039 χ^2/NDF:849176.8/16

Left: 207.747+/-0.028 χ^2/NDF: 1749281.9/35

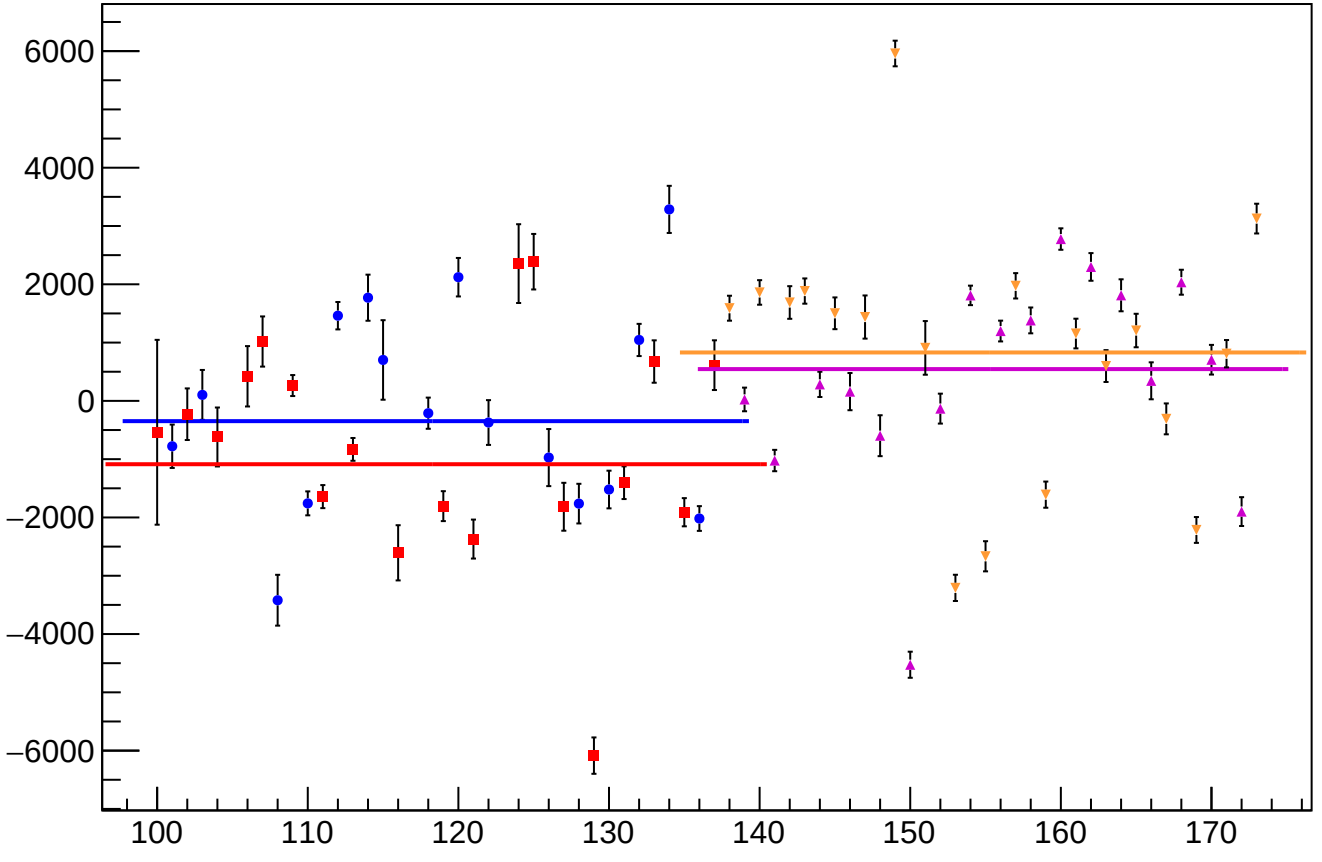
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 200.950+/-0.032 χ^2/NDF:1735378.3/32

Out: 206.179+/-0.032 χ^2/NDF:2329932.3/37

All: 203.565+/-0.023 χ^2/NDF: 4078618.6/70

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 830.440+/-56.862 χ^2/NDF:1564.7/18

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: 545.210+/-54.218 χ^2/NDF:1068.5/16

Left: 681.041+/-39.239 χ^2/NDF: 2646.4/35

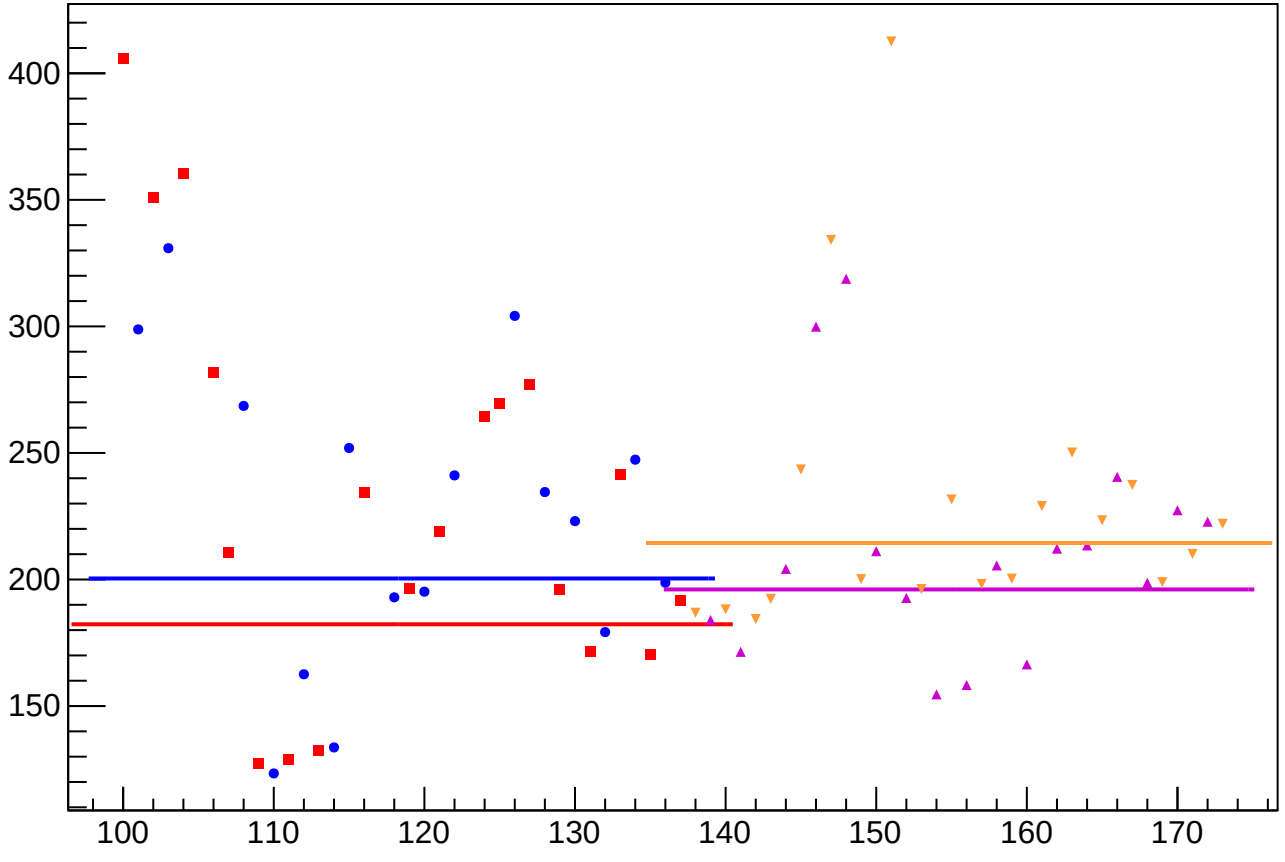
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: 257.171+/-44.624 χ^2/NDF:1601.8/32

Out: 88.213+/-44.513 χ^2/NDF:2532.0/37

All: 172.482+/-31.515 χ^2/NDF: 4141.0/70

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 214.412+/-0.040 χ^2/NDF:829665.9/18

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 196.074+/-0.038 χ^2/NDF:890556.7/16

Left: 204.807+/-0.028 χ^2/NDF: 1829176.6/35

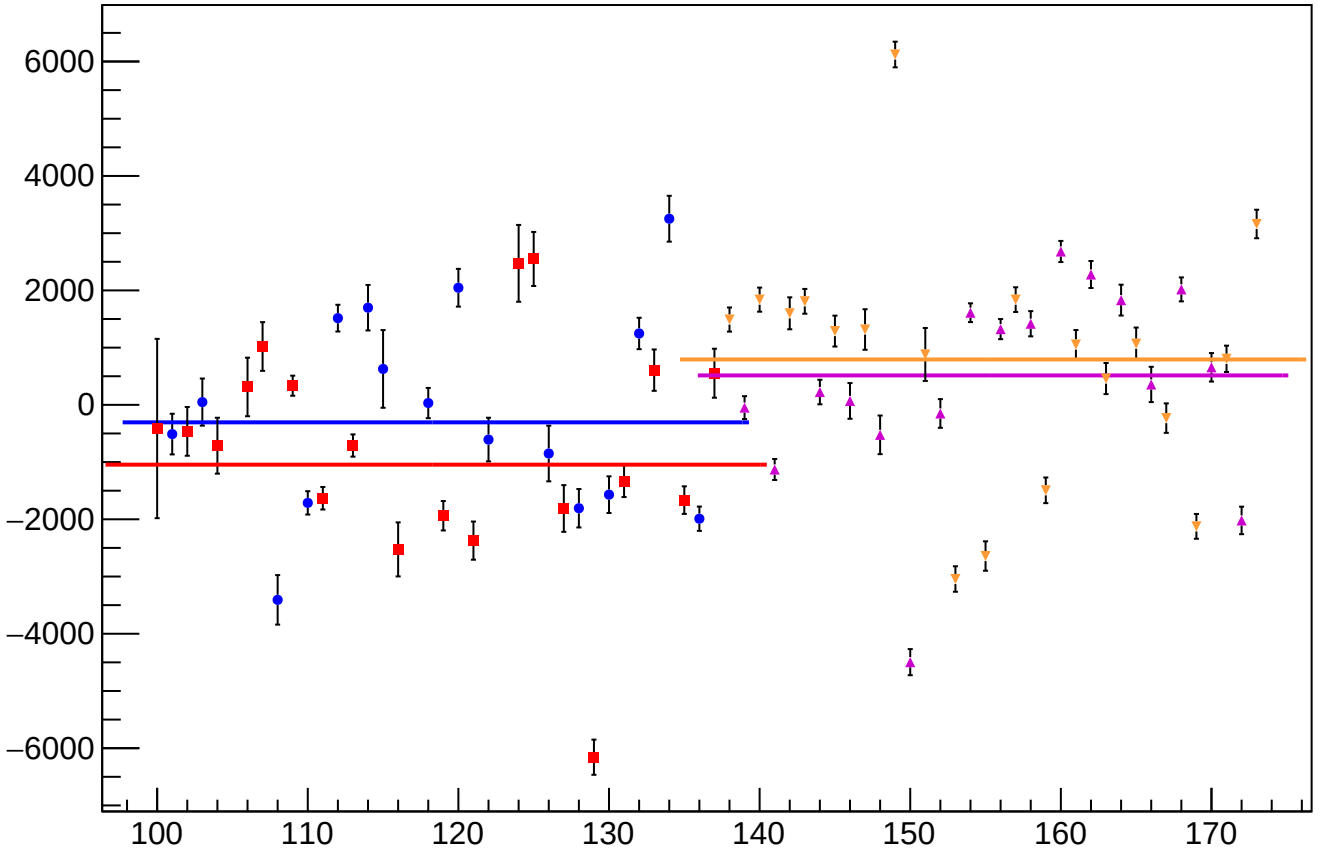
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 197.469+/-0.032 χ^2/NDF:1853662.7/32

Out: 201.980+/-0.031 χ^2/NDF:2523794.4/37

All: 199.730+/-0.022 χ^2/NDF: 4387700.3/70

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 792.865+/-56.332 χ^2/NDF:1530.0/18

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: 514.436+/-53.541 χ^2/NDF:1054.6/16

Left: 646.583+/-38.808 χ^2/NDF: 2597.4/35

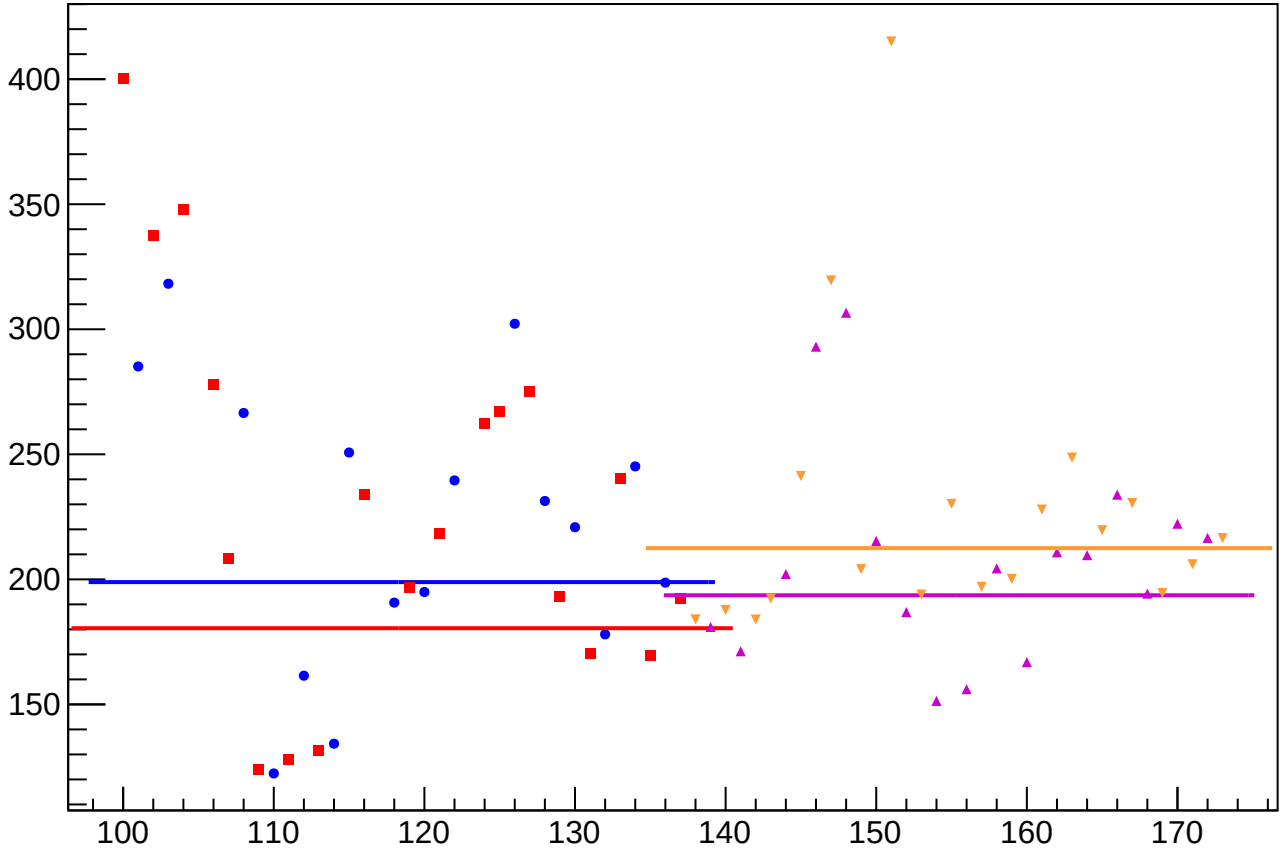
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: 251.180+/-44.118 χ^2/NDF:1581.7/32

Out: 80.649+/-44.087 χ^2/NDF:2494.7/37

All: 165.853+/-31.185 χ^2/NDF: 4083.9/70

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 212.488+/-0.040 χ^2/NDF:803098.7/18

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 193.646+/-0.038 χ^2/NDF:854700.4/16

Left: 202.589+/-0.027 χ^2/NDF: 1775356.5/35

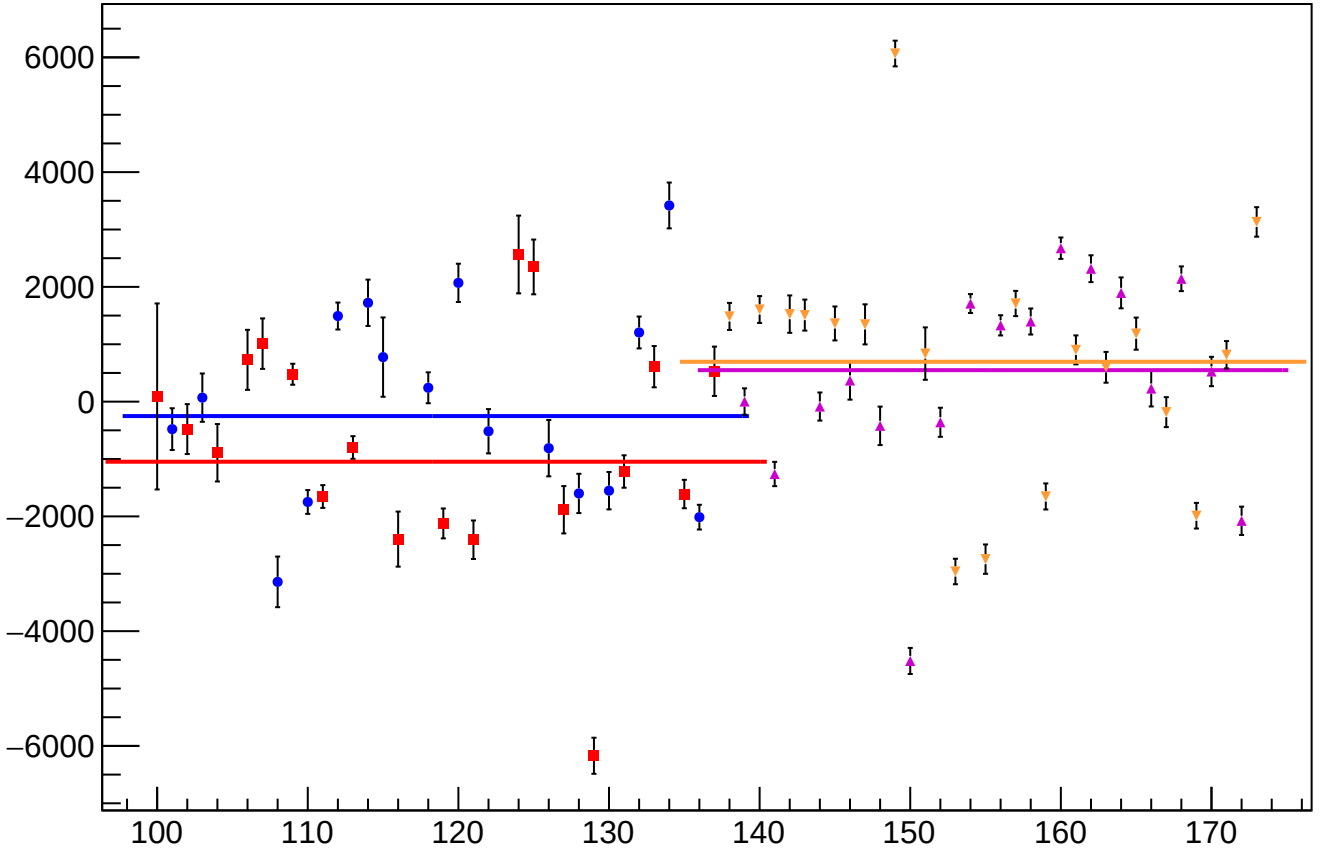
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 195.334+/-0.031 χ^2/NDF:1773653.2/32

Out: 200.082+/-0.031 χ^2/NDF:2487860.7/37

All: 197.710+/-0.022 χ^2/NDF: 4273108.2/70

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 695.039+/-58.810 χ^2/NDF:1455.8/18

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: 548.565+/-55.596 χ^2/NDF:1069.4/16

Left: 617.689+/-40.401 χ^2/NDF: 2528.5/35

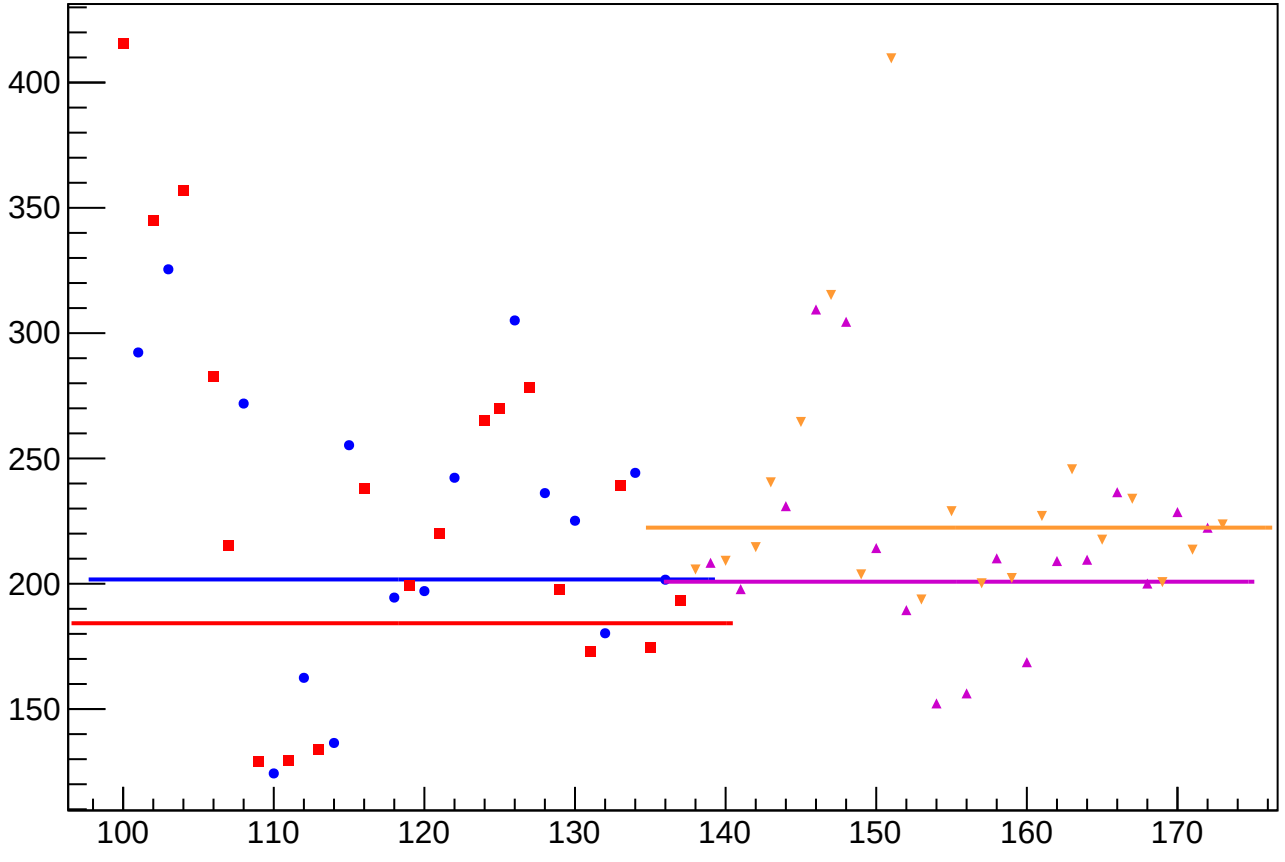
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: 283.357+/-45.461 χ^2/NDF:1579.3/32

Out: 0.054+/-45.595 χ^2/NDF:2352.6/37

All: 142.124+/-32.193 χ^2/NDF: 3951.3/70

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 222.393+/-0.042 χ^2/NDF:671153.9/18

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 200.812+/-0.039 χ^2/NDF:880916.5/16

Left: 210.996+/-0.029 χ^2/NDF: 1694297.9/35

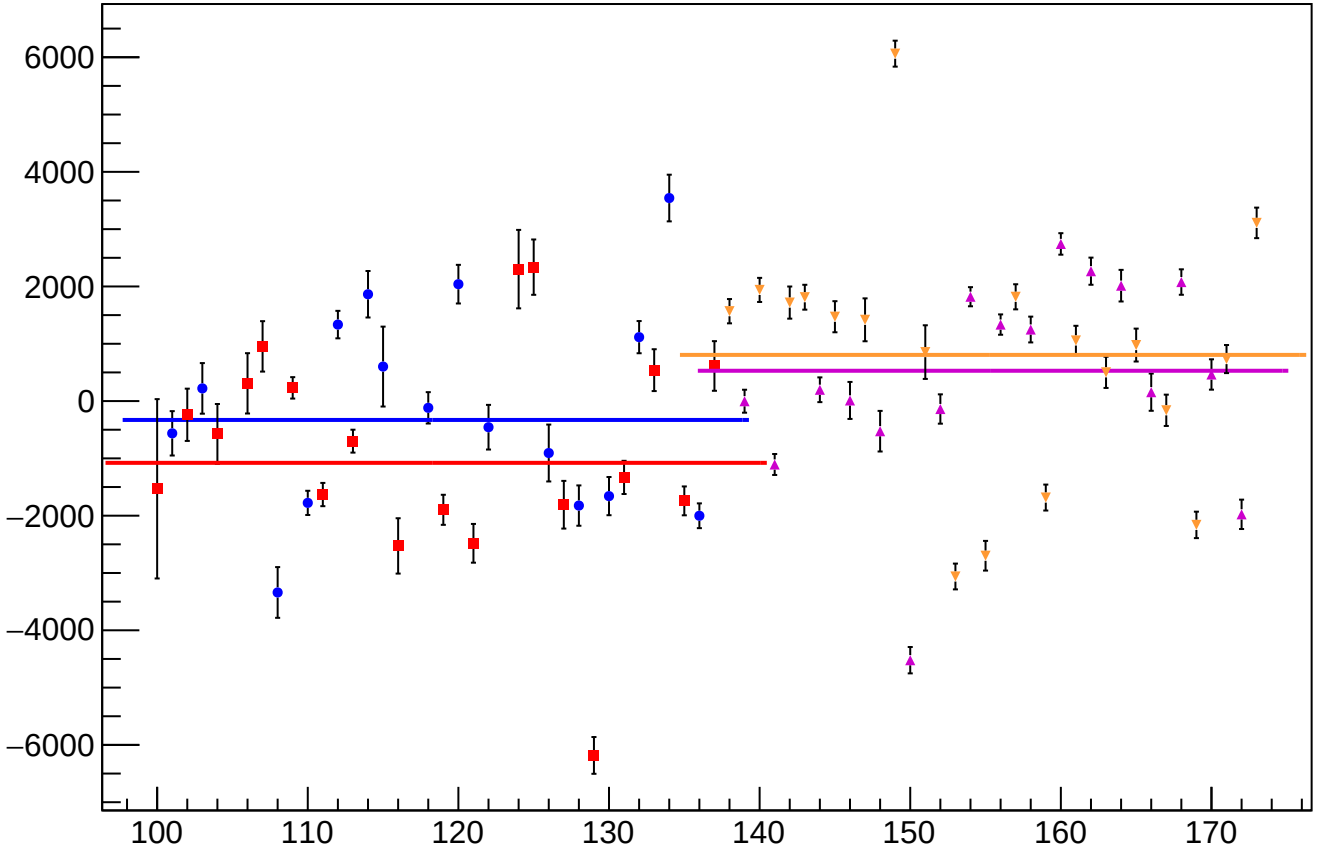
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 201.110+/-0.032 χ^2/NDF:1805301.0/32

Out: 207.175+/-0.032 χ^2/NDF:2410638.4/37

All: 204.134+/-0.023 χ^2/NDF: 4233680.6/70

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 805.823+/-57.509 χ^2/NDF:1496.8/18

Right Out: -1077.876+/-73.404 χ^2/NDF: 502.0/18

Left In: 528.977+/-54.720 χ^2/NDF:1048.0/16

Left: 660.524+/-39.642 χ^2/NDF: 2557.0/35

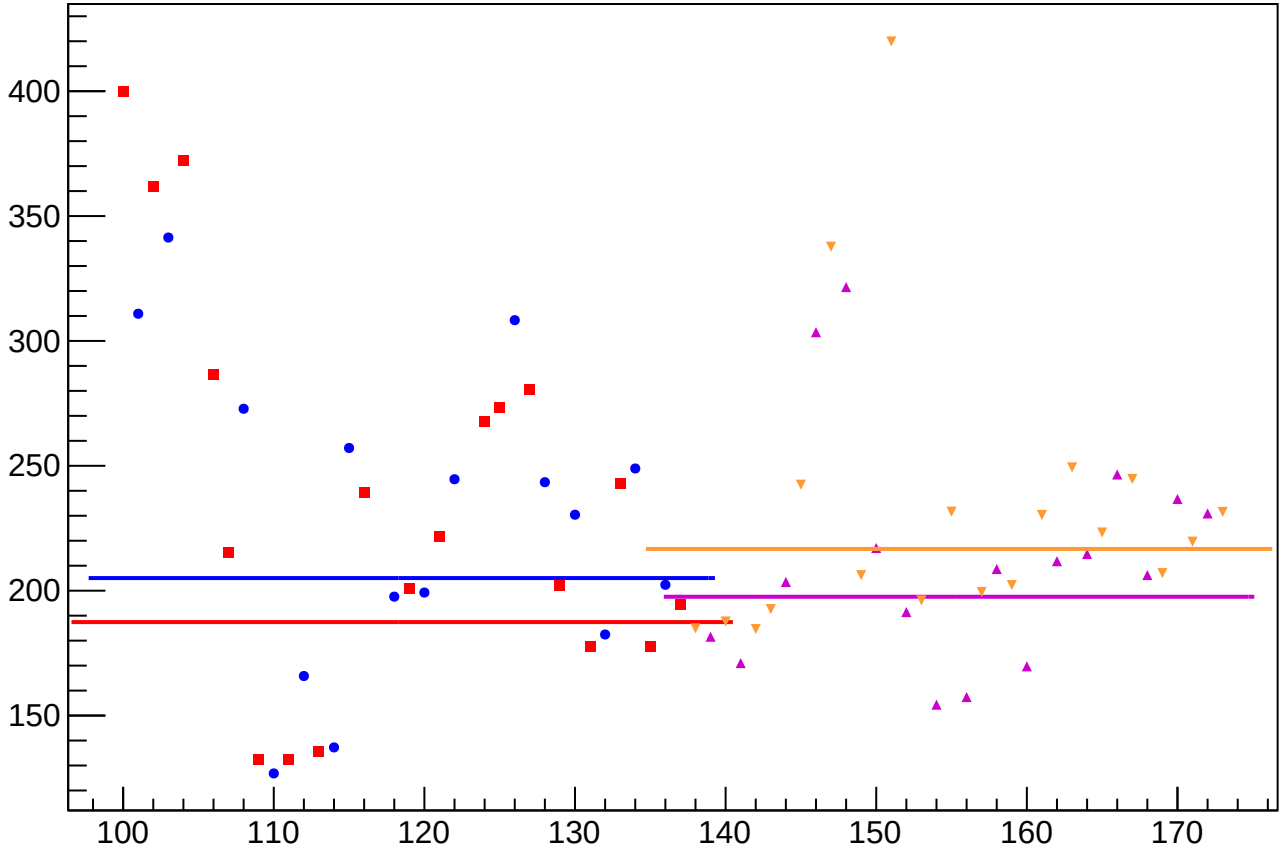
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: 257.095+/-45.231 χ^2/NDF:1562.3/32

Out: 89.370+/-45.270 χ^2/NDF:2406.9/37

All: 173.305+/-31.997 χ^2/NDF: 3976.1/70

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 216.724+/-0.041 χ^2/NDF:852610.9/18

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 197.573+/-0.039 χ^2/NDF:958554.9/16

Left: 206.673+/-0.028 χ^2/NDF: 1927564.4/35

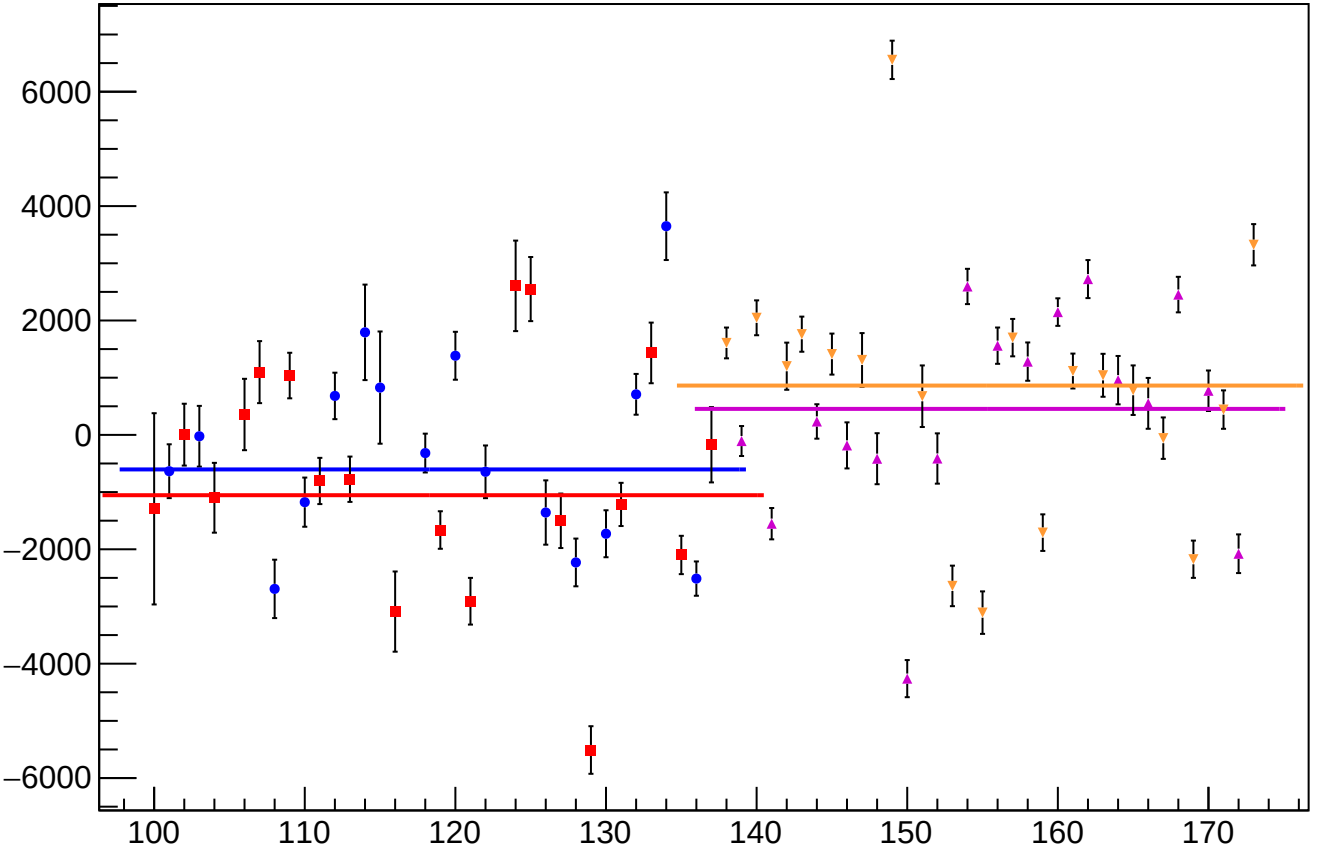
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 199.942+/-0.032 χ^2/NDF:1933443.3/32

Out: 205.583+/-0.032 χ^2/NDF:2460769.4/37

All: 202.760+/-0.023 χ^2/NDF: 4409748.7/70

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 862.336+/-79.868 χ^2/NDF:749.0/18

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: 454.584+/-79.521 χ^2/NDF:542.2/16

Left: 657.573+/-56.352 χ^2/NDF: 1304.2/35

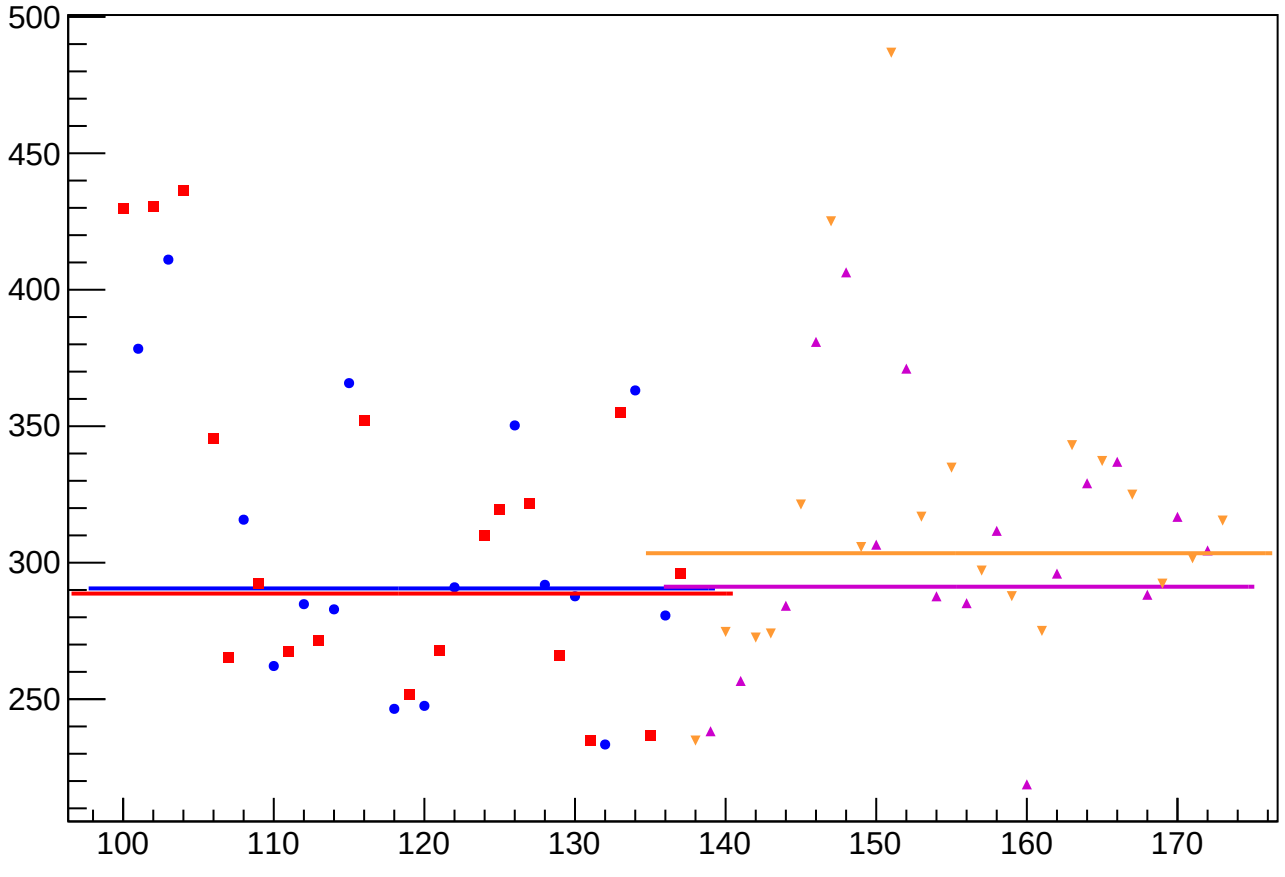
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: 94.281+/-64.583 χ^2/NDF:796.0/32

Out: 186.772+/-64.271 χ^2/NDF:1249.6/37

All: 140.751+/-45.557 χ^2/NDF: 2046.7/70

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 303.471+/-0.056 χ^2/NDF:634600.9/18

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 291.196+/-0.056 χ^2/NDF:658143.5/16

Left: 297.307+/-0.040 χ^2/NDF: 1316467.9/35

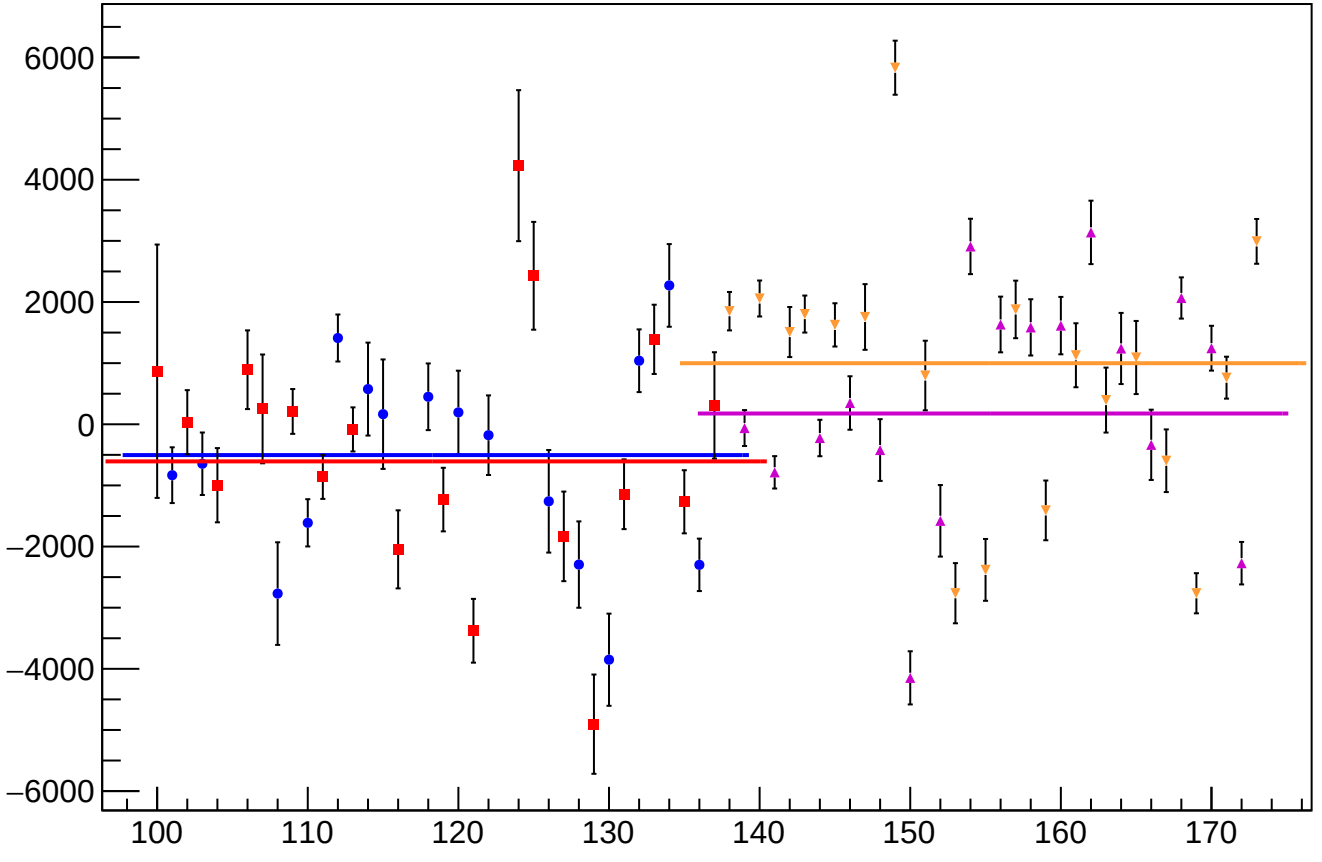
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 290.982+/-0.046 χ^2/NDF:1017993.4/32

Out: 298.260+/-0.045 χ^2/NDF:1147850.0/37

All: 294.639+/-0.032 χ^2/NDF: 2178606.7/70

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 998.872+/-93.673 χ^2/NDF:456.8/18

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: 176.435+/-96.397 χ^2/NDF:316.7/16

Left: 599.437+/-67.179 χ^2/NDF: 810.9/35

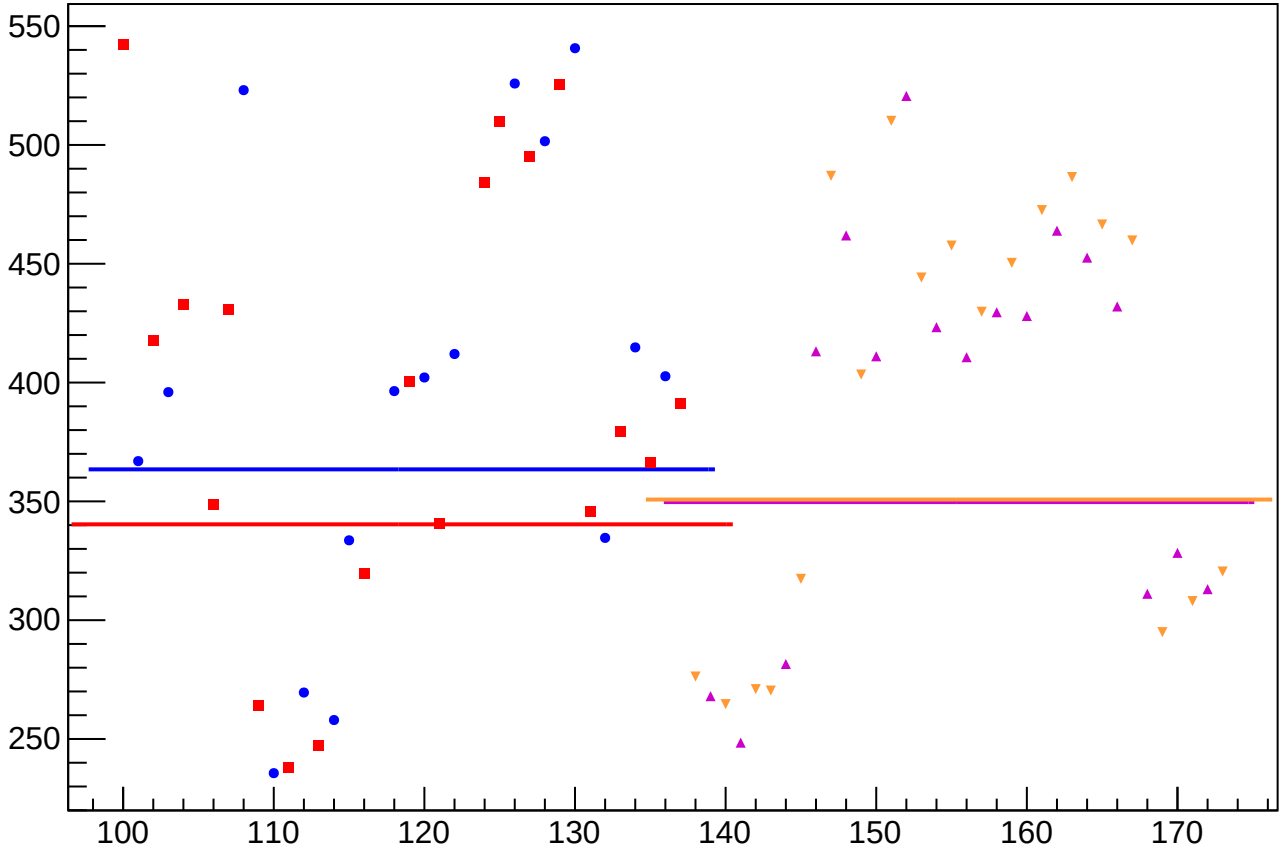
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -42.179+/-79.407 χ^2/NDF:450.9/32

Out: 447.903+/-75.920 χ^2/NDF:682.8/37

All: 213.857+/-54.875 χ^2/NDF: 1153.6/70

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 350.767+/-0.066 χ^2/NDF:1640106.9/18

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 349.706+/-0.068 χ^2/NDF:1362755.4/16

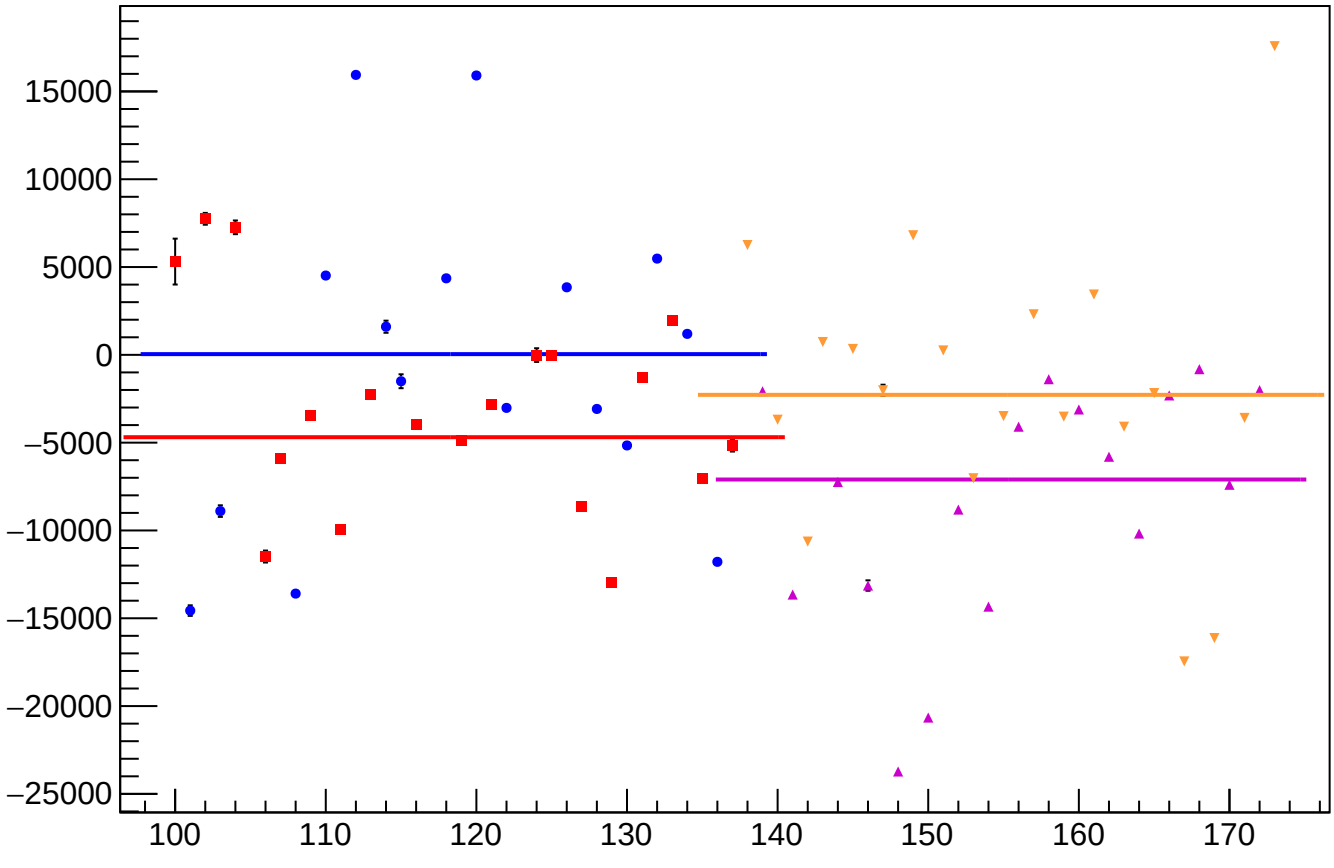
Left: 350.252+/-0.048 χ^2/NDF: 3002986.8/35

Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 354.131+/-0.056 χ^2/NDF:2156756.7/32

Out: 347.186+/-0.054 χ^2/NDF:2504852.4/37

All: 350.503+/-0.039 χ^2/NDF: 4669600.6/70



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -2277.471+/-44.364 χ^2/NDF:30489.5/18

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -7099.165+/-46.302 χ^2/NDF:17608.5/16

Left: -4585.315+/-32.033 χ^2/NDF: 53751.8/35

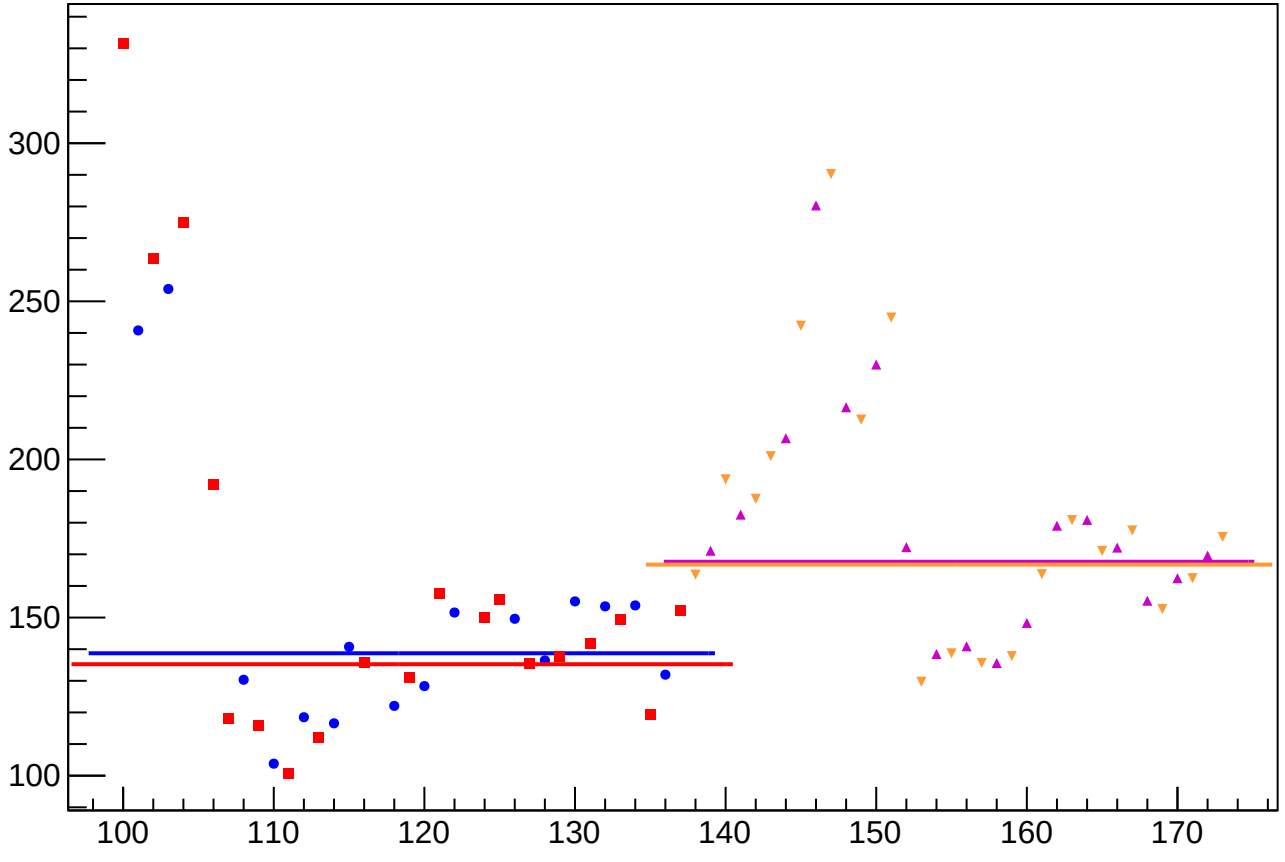
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4086.701+/-35.205 χ^2/NDF:58427.6/32

Out: -3291.495+/-33.776 χ^2/NDF:39528.0/37

All: -3672.639+/-24.373 χ^2/NDF: 98221.3/70

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 166.735+/-0.031 χ^2/NDF:1162233.5/18

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 167.647+/-0.033 χ^2/NDF:860364.4/16

Left: 167.172+/-0.023 χ^2/NDF: 2023002.6/35

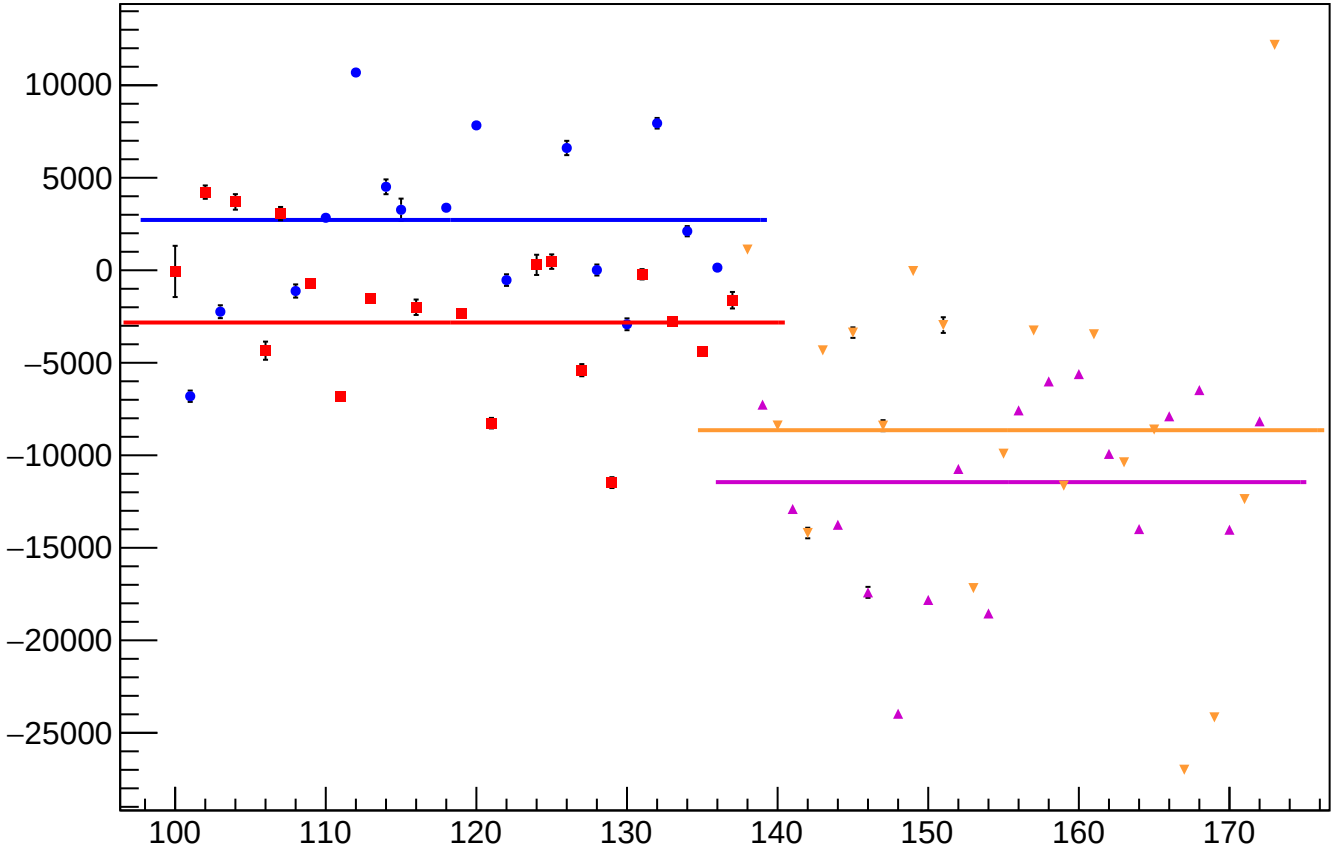
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 155.439+/-0.025 χ^2/NDF:1847698.0/32

Out: 153.498+/-0.024 χ^2/NDF:2475841.8/37

All: 154.428+/-0.017 χ^2/NDF: 4326706.9/70

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -8643.625+/-51.892 χ^2/NDF:30626.6/18

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11450.030+/-49.214 χ^2/NDF:10570.8/16

Left: -10121.132+/-35.709 χ^2/NDF: 42737.2/35

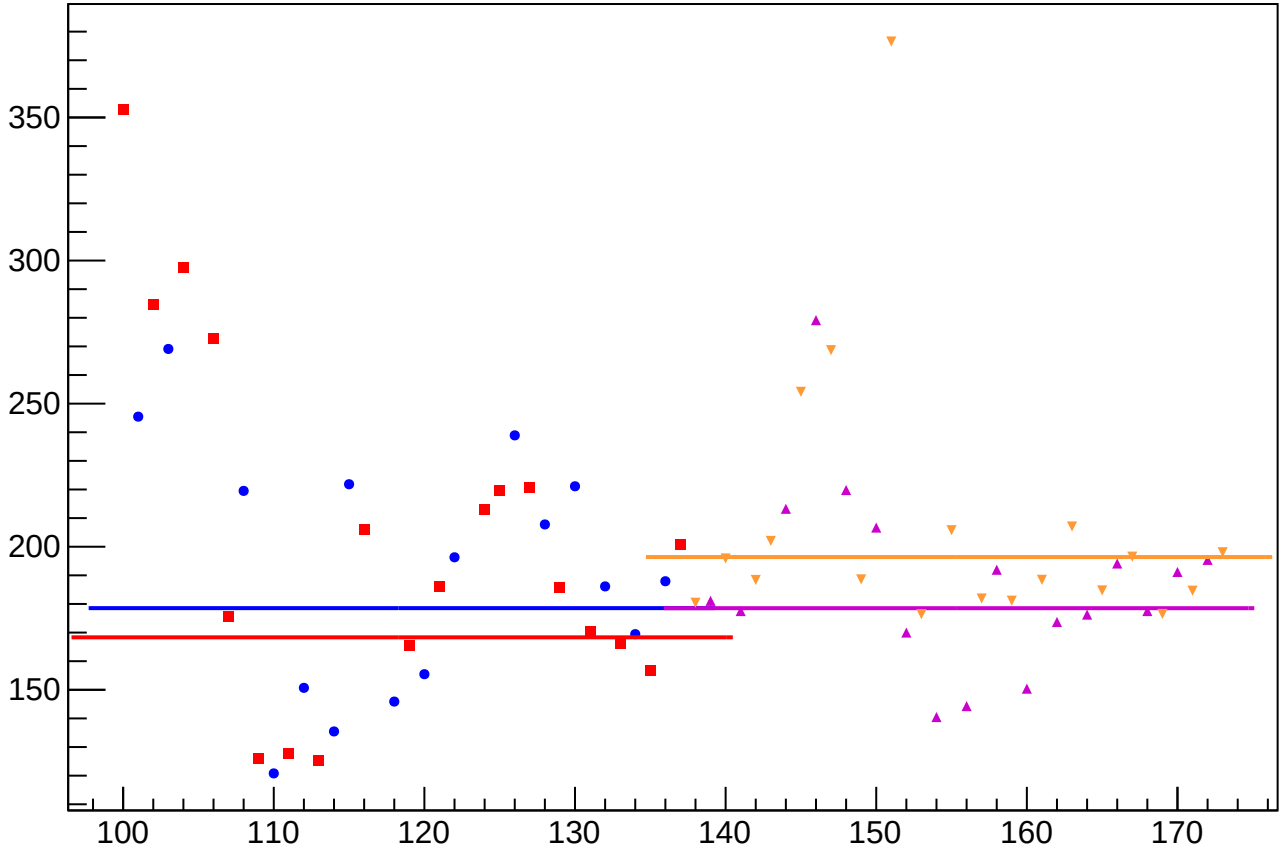
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6694.765+/-40.115 χ^2/NDF:42521.0/32

Out: -6371.766+/-40.517 χ^2/NDF:38599.5/37

All: -6534.879+/-28.507 χ^2/NDF: 81152.6/70

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 196.391+/-0.037 χ^2/NDF:664186.8/18

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 178.522+/-0.035 χ^2/NDF:678725.0/16

Left: 186.983+/-0.025 χ^2/NDF: 1467770.8/35

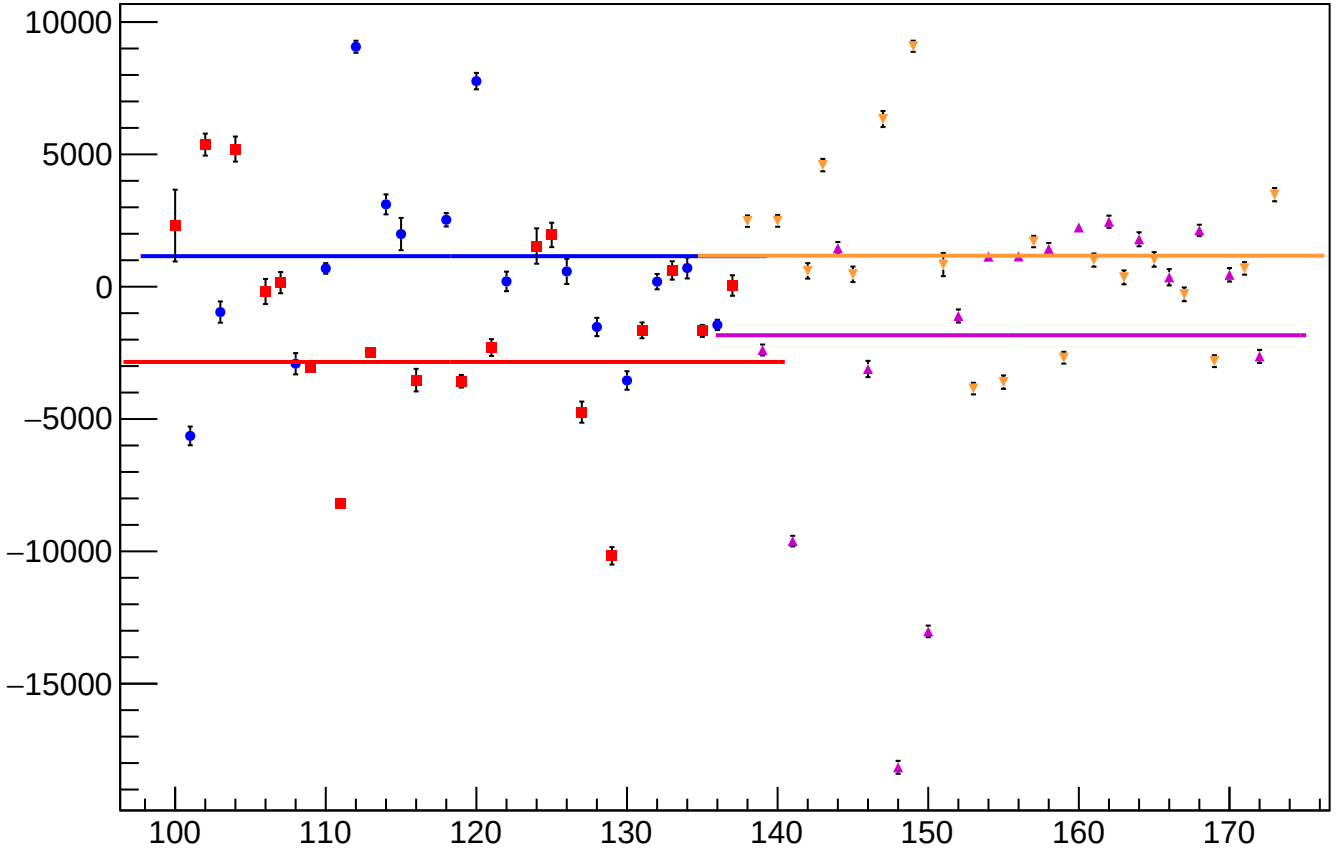
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 178.528+/-0.028 χ^2/NDF:1353291.2/32

Out: 185.439+/-0.029 χ^2/NDF:1871889.7/37

All: 181.949+/-0.020 χ^2/NDF: 3254564.0/70

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1170.262+/-56.763 χ^2/NDF:3615.3/18

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -1833.662+/-53.709 χ^2/NDF:11093.1/16

Left: -414.674+/-39.013 χ^2/NDF: 16186.0/35

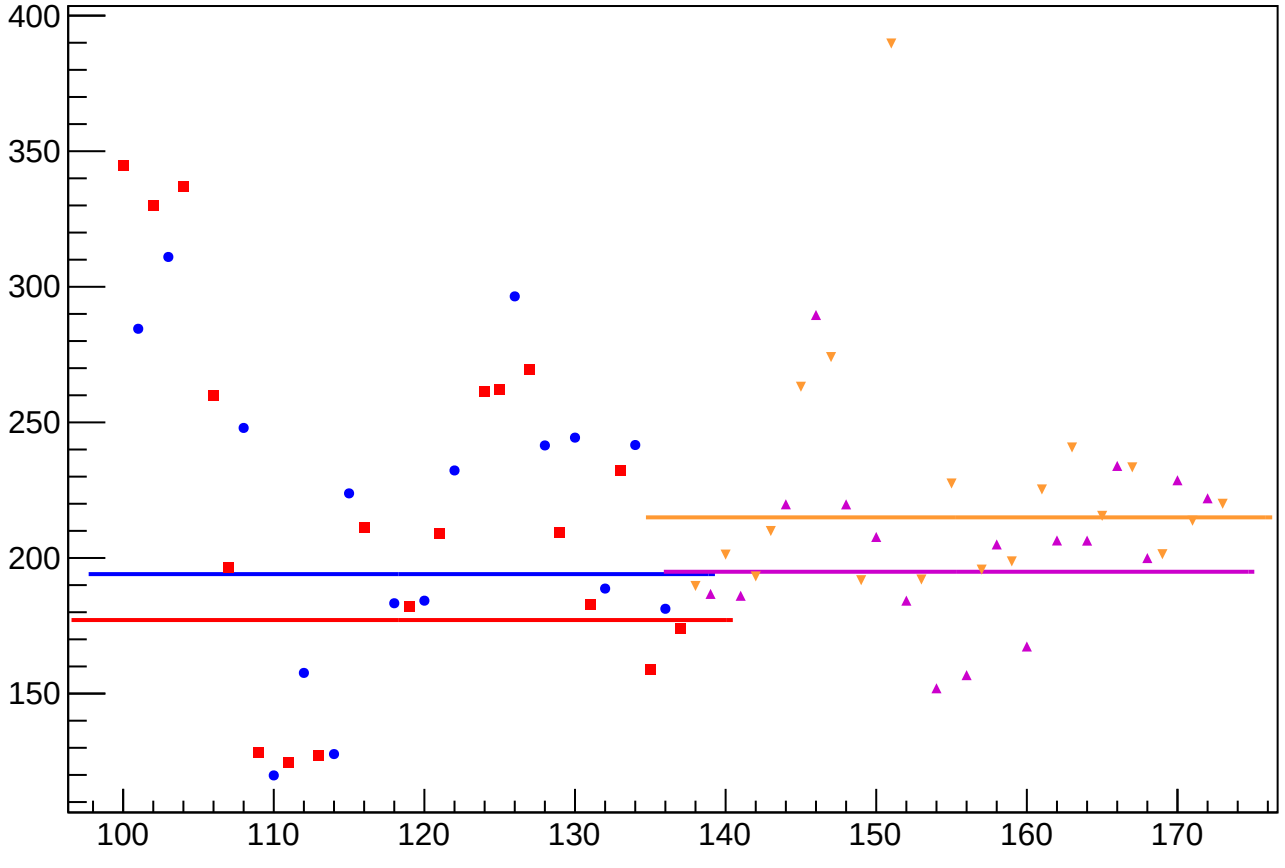
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -837.852+/-43.853 χ^2/NDF:14779.7/32

Out: -445.992+/-43.871 χ^2/NDF:8082.0/37

All: -642.003+/-31.015 χ^2/NDF: 22901.6/70

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.980+/-0.040 χ^2/NDF:610829.4/18

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 194.922+/-0.038 χ^2/NDF:628541.2/16

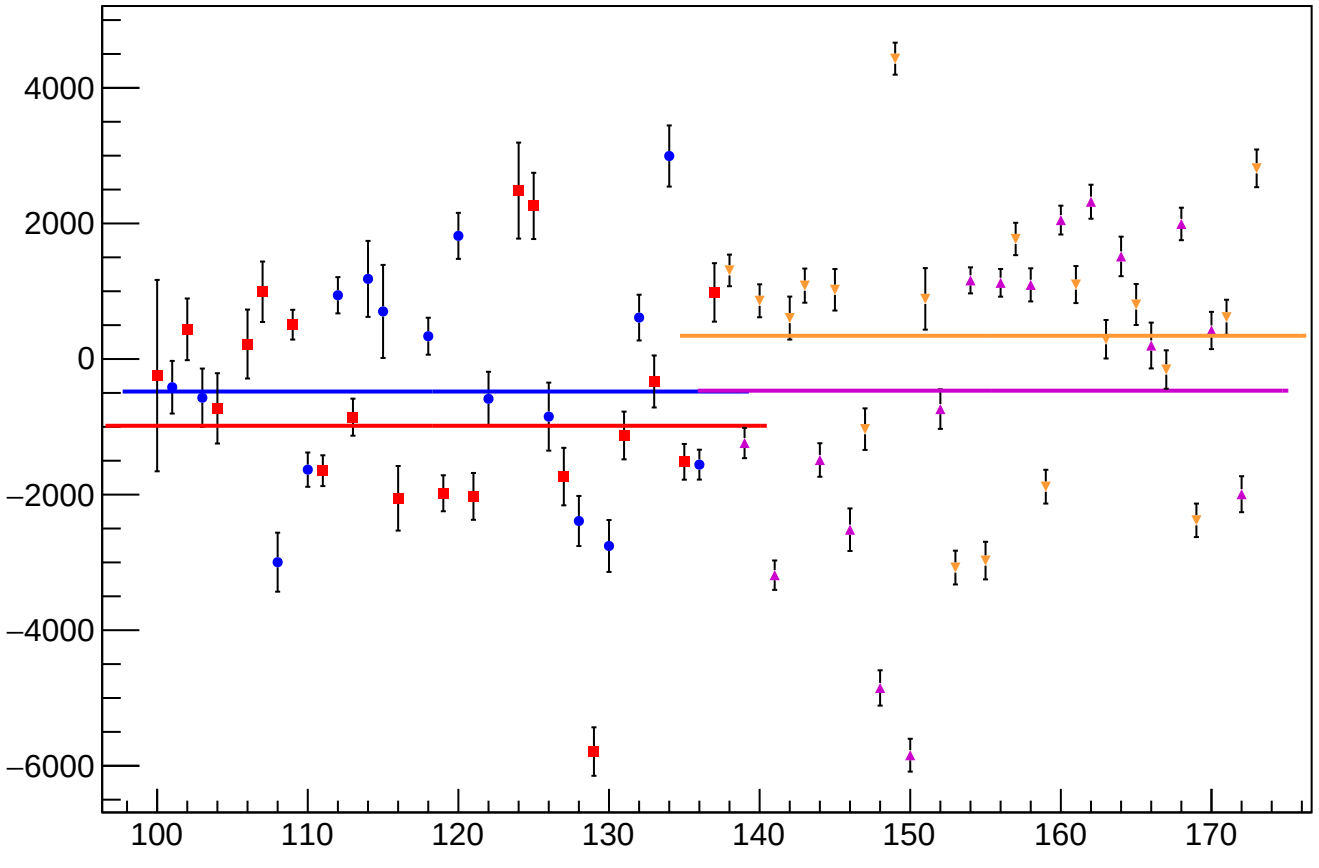
Left: 204.397+/-0.028 χ^2/NDF: 1371130.3/35

Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 194.632+/-0.031 χ^2/NDF:1594501.9/32

Out: 199.734+/-0.031 χ^2/NDF:2328508.4/37

All: 197.182+/-0.022 χ^2/NDF: 3936537.6/70



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 343.490+/-61.865 χ^2/NDF:1018.4/18

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -466.644+/-59.509 χ^2/NDF:1641.3/16

Left: -77.292+/-42.888 χ^2/NDF: 2748.7/35

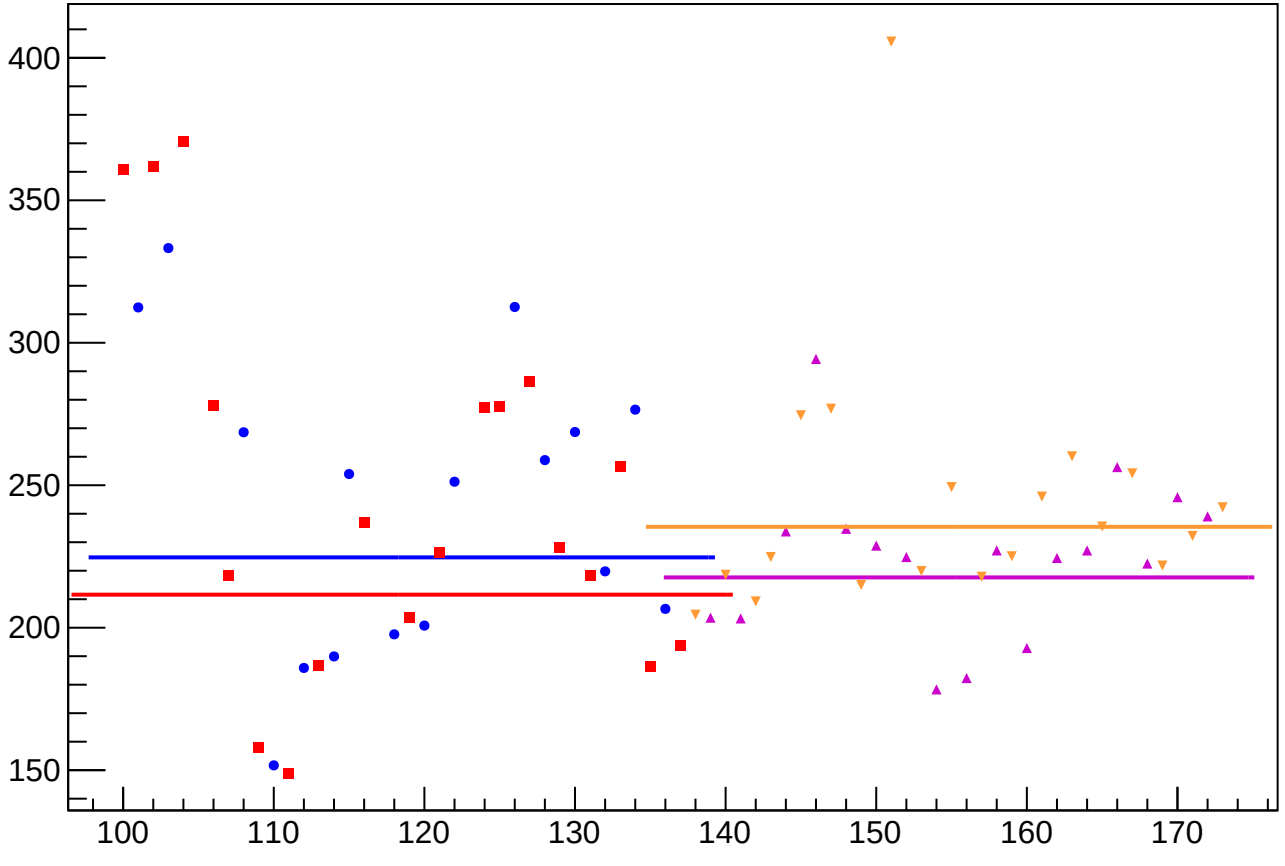
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -470.698+/-49.061 χ^2/NDF:1946.8/32

Out: -146.184+/-49.153 χ^2/NDF:1586.4/37

All: -308.744+/-34.724 χ^2/NDF: 3555.0/70

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.406+/-0.044 χ^2/NDF:489175.1/18

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 217.657+/-0.042 χ^2/NDF:396843.4/16

Left: 226.187+/-0.030 χ^2/NDF: 971522.4/35

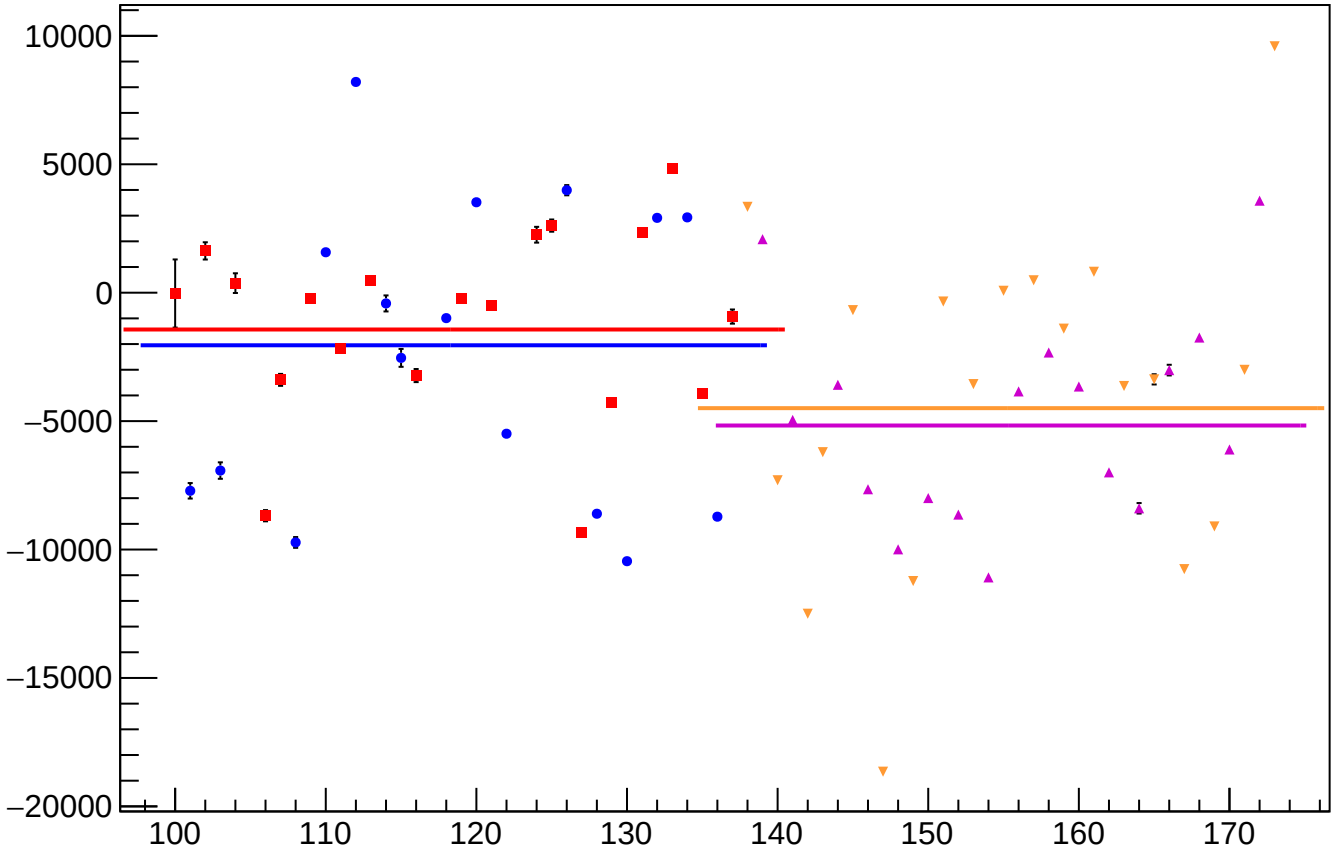
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 219.907+/-0.035 χ^2/NDF:1058966.8/32

Out: 226.626+/-0.035 χ^2/NDF:1531322.3/37

All: 223.260+/-0.025 χ^2/NDF: 2609007.1/70

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4495.353+/-32.740 χ^2/NDF:37947.0/18

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -5171.035+/-34.009 χ^2/NDF:12986.5/16

Left: -4820.350+/-23.587 χ^2/NDF: 51138.3/35

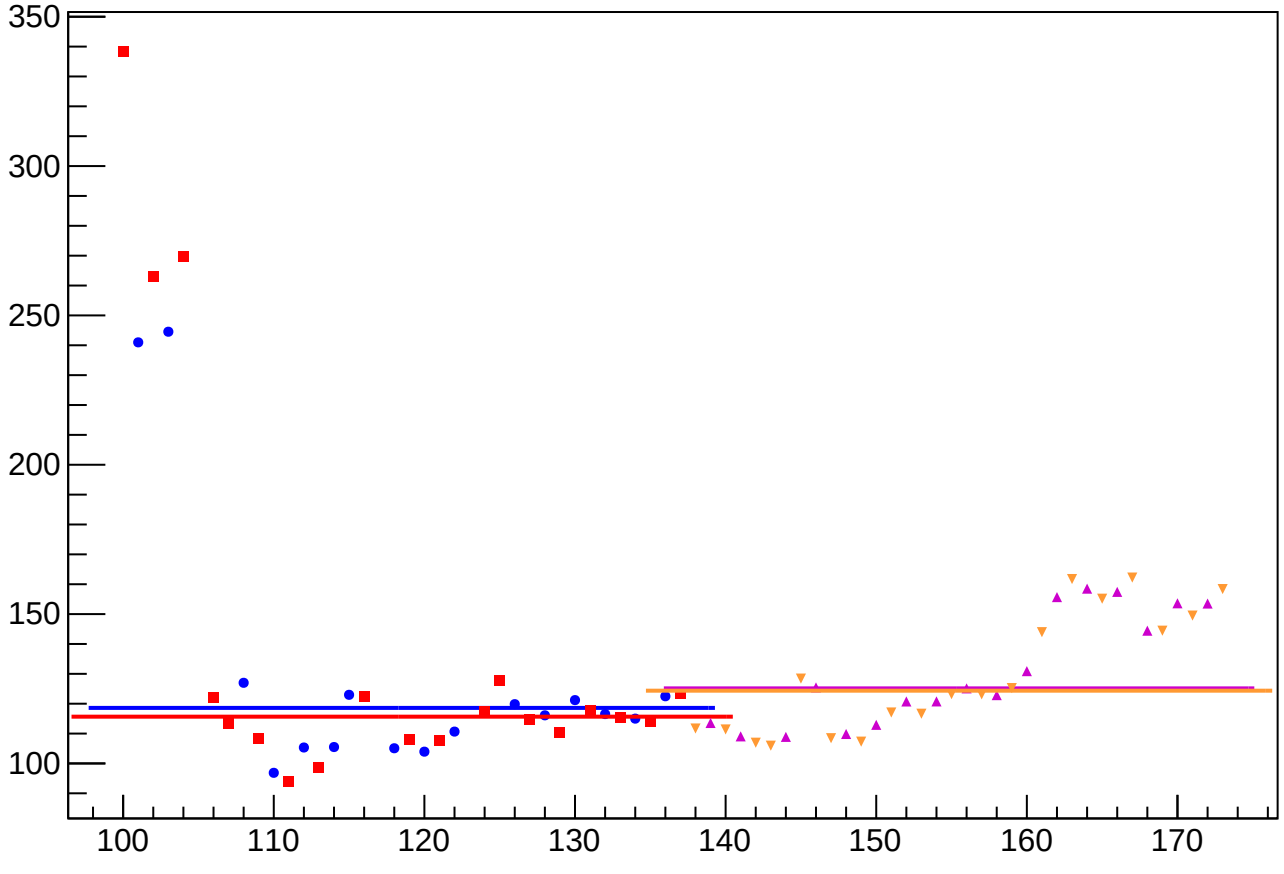
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4089.140+/-27.496 χ^2/NDF:32617.5/32

Out: -3426.985+/-26.419 χ^2/NDF:47387.1/37

All: -3744.838+/-19.050 χ^2/NDF: 80306.2/70

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 124.360+/-0.023 χ^2/NDF:604298.2/18

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 125.133+/-0.024 χ^2/NDF:457640.1/16

Left: 124.732+/-0.017 χ^2/NDF: 1062474.1/35

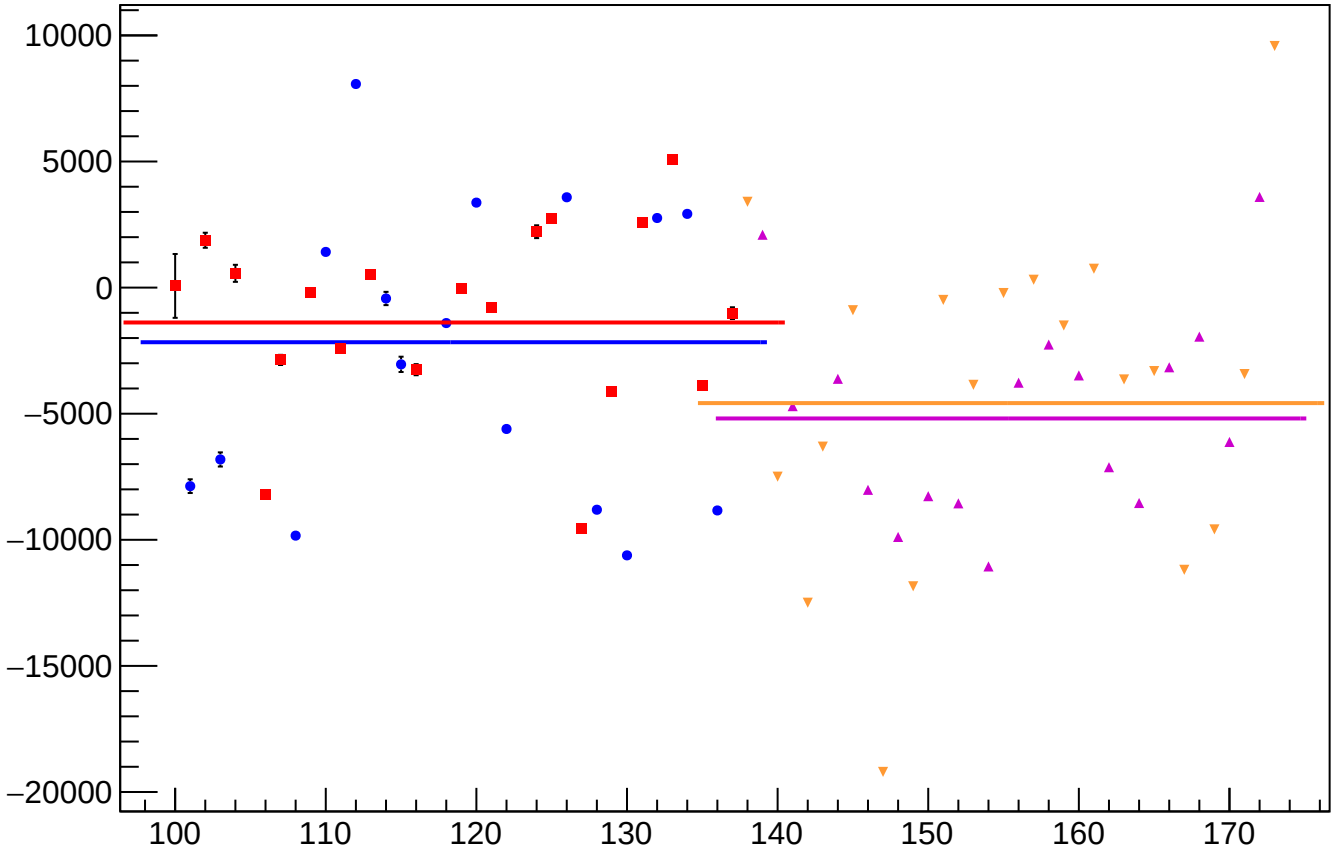
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 122.869+/-0.019 χ^2/NDF:1217389.2/32

Out: 121.325+/-0.019 χ^2/NDF:1517776.4/37

All: 122.066+/-0.013 χ^2/NDF: 2738444.5/70

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4579.548+/-29.561 χ^2/NDF:45832.6/18

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: -5188.833+/-30.996 χ^2/NDF:15668.5/16

Left: -4869.757+/-21.392 χ^2/NDF: 61703.5/35

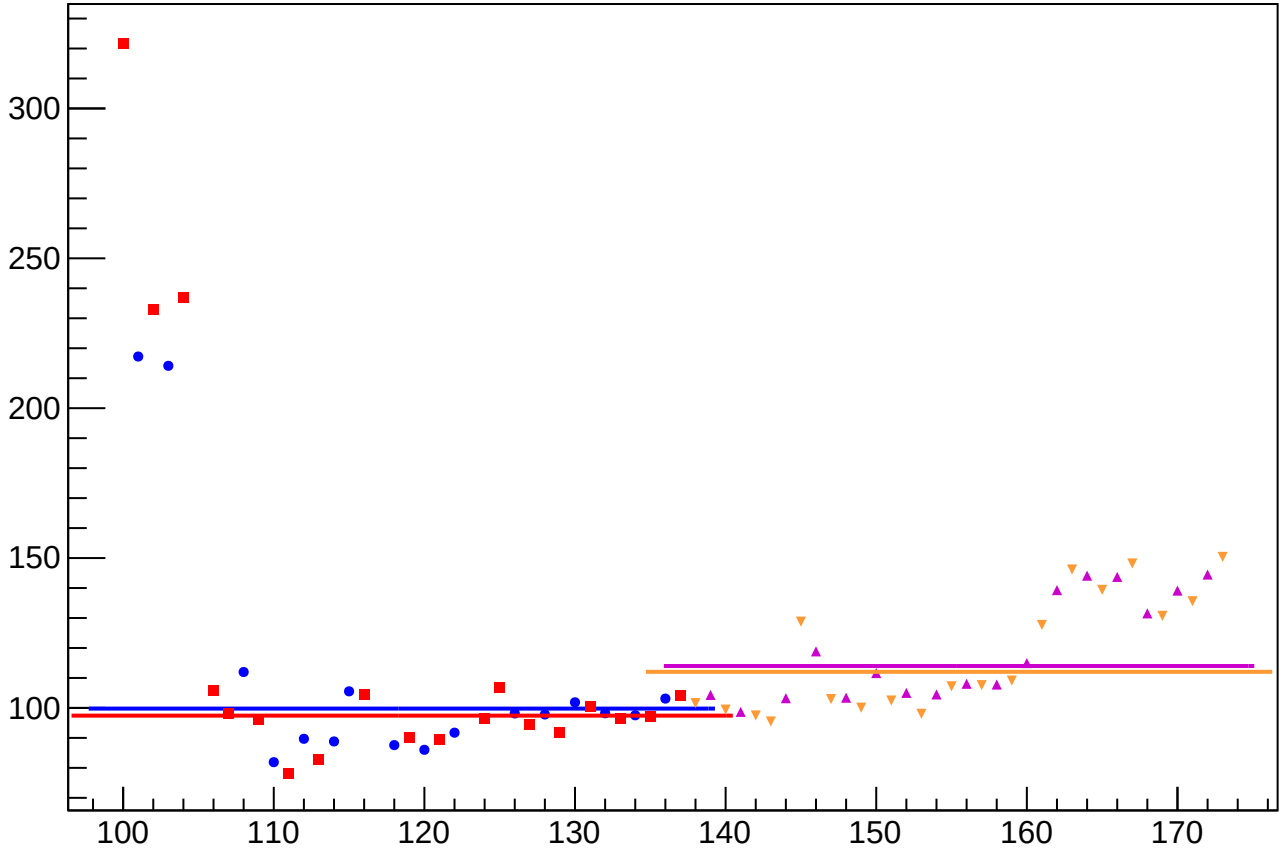
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -4041.520+/-24.416 χ^2/NDF:42153.2/32

Out: -3373.499+/-23.327 χ^2/NDF:59392.8/37

All: -3692.281+/-16.866 χ^2/NDF: 101937.3/7

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 112.048+/-0.021 χ^2/NDF:662603.5/18

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 113.985+/-0.022 χ^2/NDF:441261.3/16

Left: 112.971+/-0.015 χ^2/NDF: 1107951.2/35

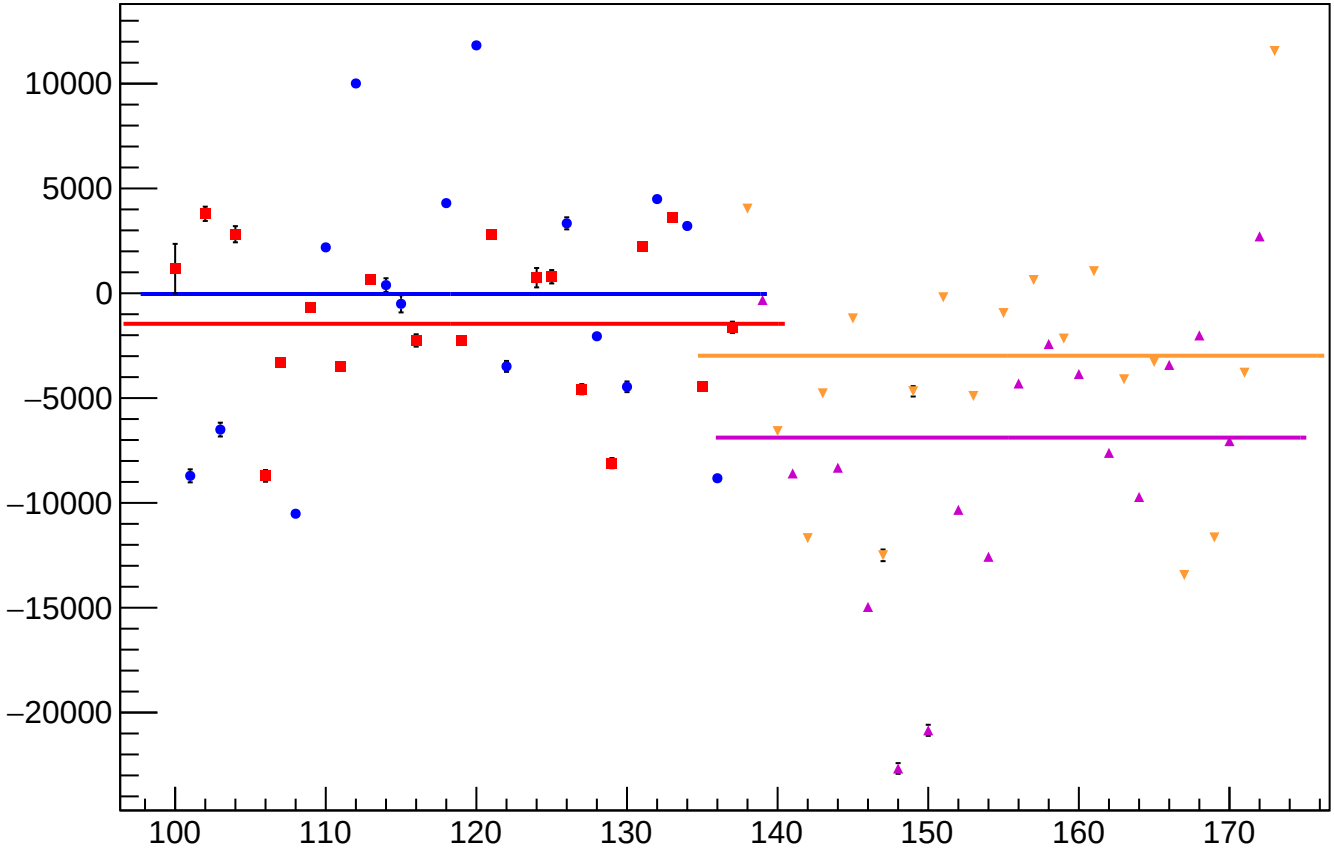
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 108.591+/-0.017 χ^2/NDF:1409946.7/32

Out: 106.532+/-0.016 χ^2/NDF:1773256.4/37

All: 107.515+/-0.012 χ^2/NDF: 3190642.8/70

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2979.030+/-41.260 χ^2/NDF:17100.7/18

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -6885.729+/-43.656 χ^2/NDF:16935.0/16

Left: -4822.246+/-29.987 χ^2/NDF: 38265.6/35

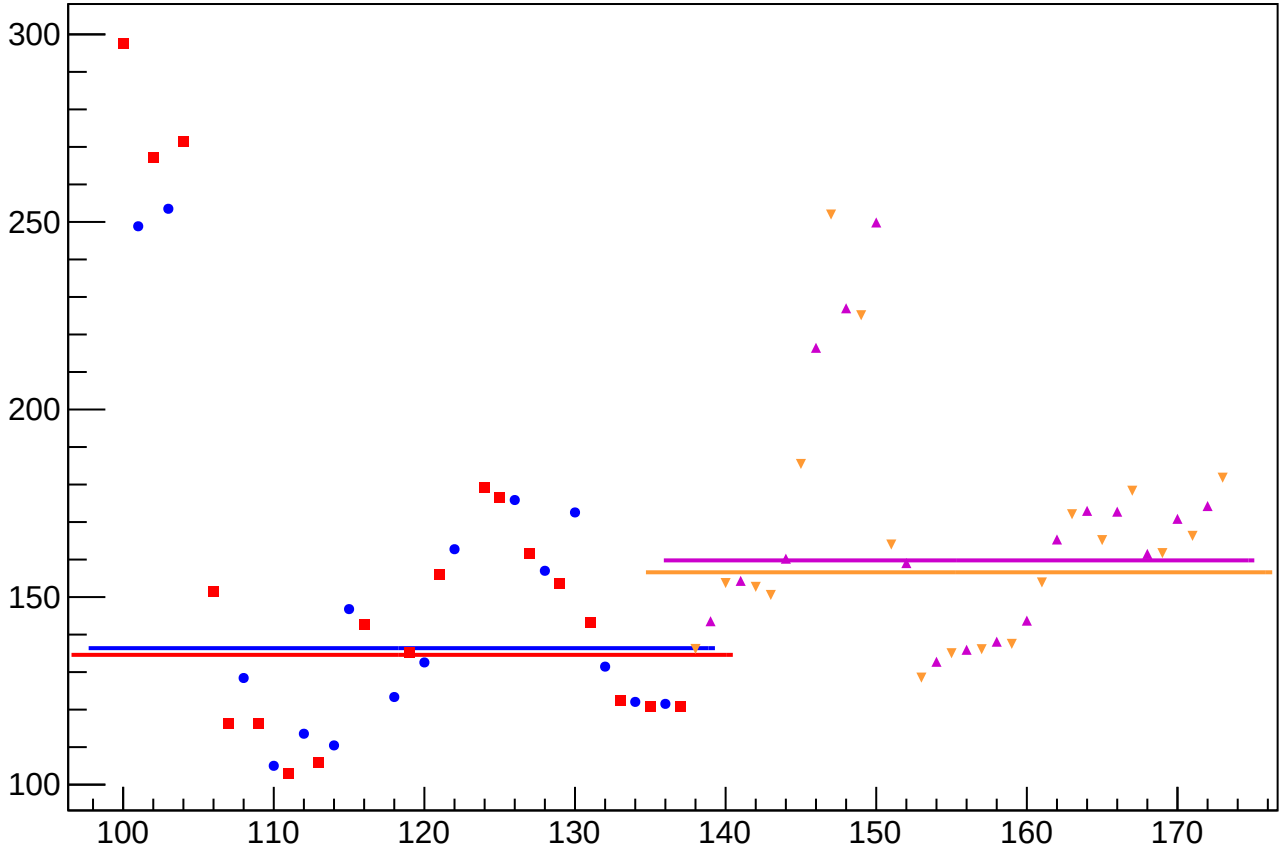
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -4145.167+/-33.815 χ^2/NDF:43589.5/32

Out: -2390.113+/-32.309 χ^2/NDF:21744.4/37

All: -3227.671+/-23.360 χ^2/NDF: 66742.0/70

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 156.606+/-0.029 χ^2/NDF:737109.5/18

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 159.780+/-0.031 χ^2/NDF:735415.9/16

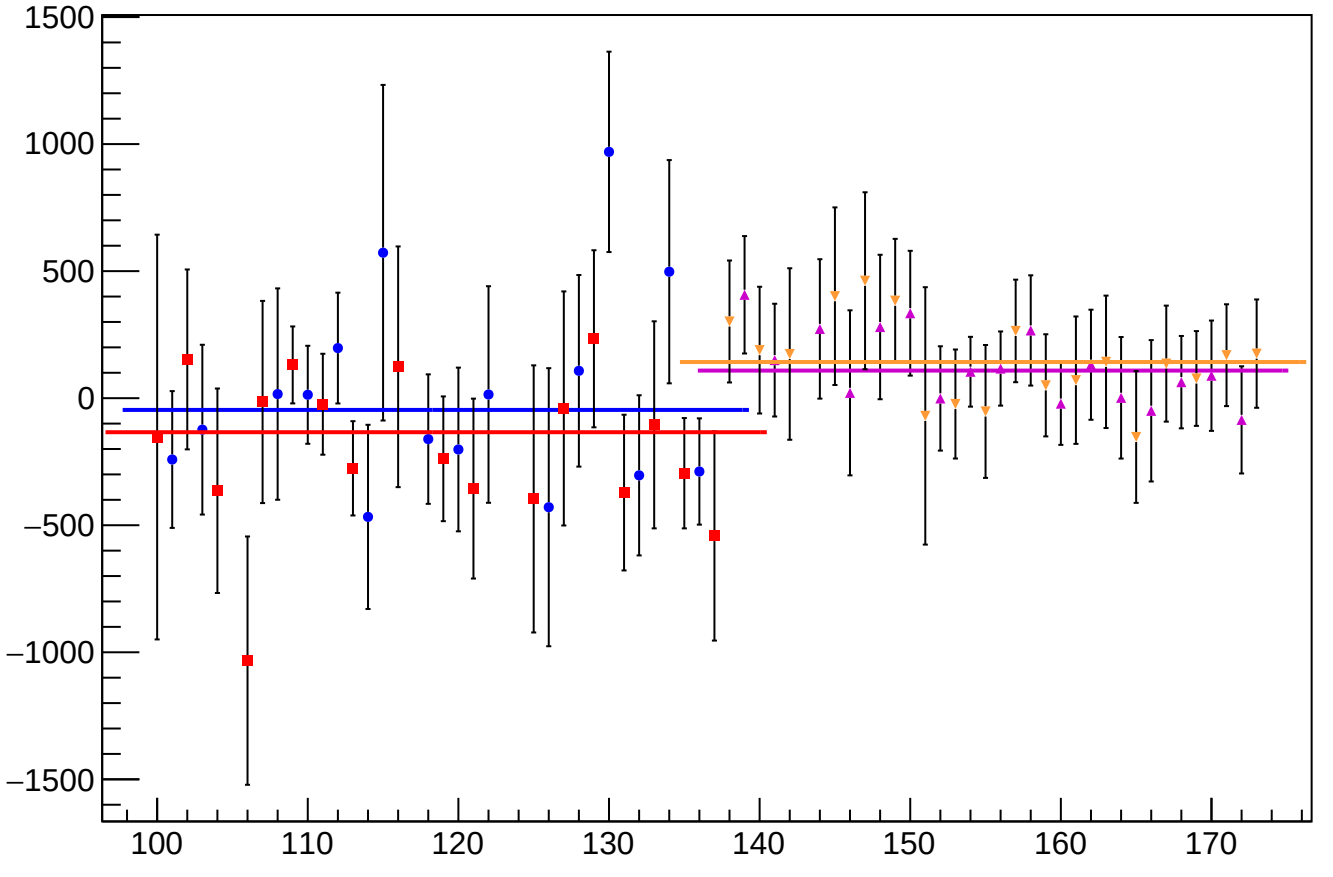
Left: 158.104+/-0.021 χ^2/NDF: 1478109.9/35

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 150.421+/-0.024 χ^2/NDF:1762068.3/32

Out: 148.093+/-0.023 χ^2/NDF:1876832.5/37

All: 149.204+/-0.017 χ^2/NDF: 3643858.2/70



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 142.312+/-57.218 χ^2/NDF:6.3/17

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 108.615+/-50.041 χ^2/NDF:6.3/16

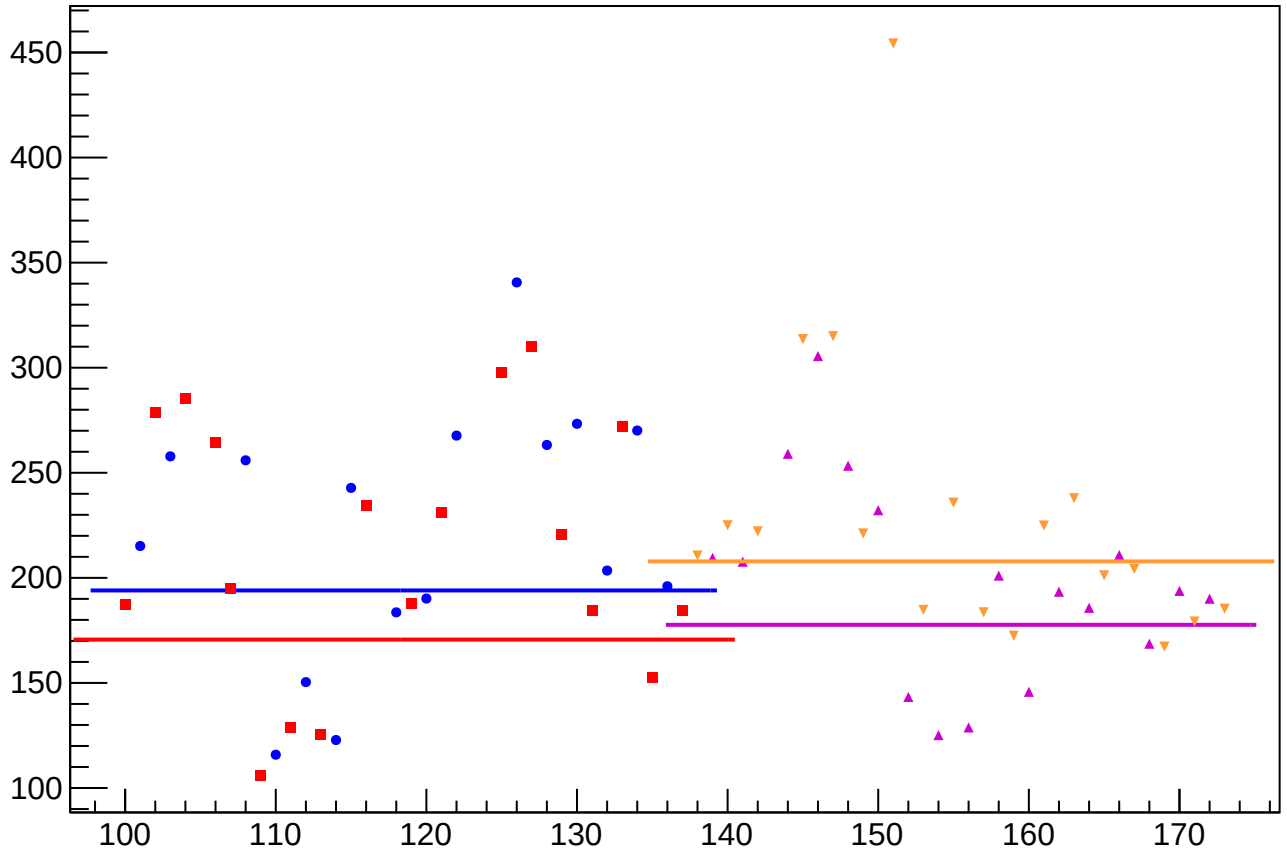
Left: 123.219+/-37.668 χ^2/NDF: 12.8/34

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 62.037+/-41.842 χ^2/NDF:24.6/32

Out: 28.622+/-43.891 χ^2/NDF:28.7/35

All: 46.128+/-30.285 χ^2/NDF: 53.6/68



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 207.822+/-0.040 χ^2/NDF:1197580.4/17

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 177.651+/-0.035 χ^2/NDF:1537567.3/16

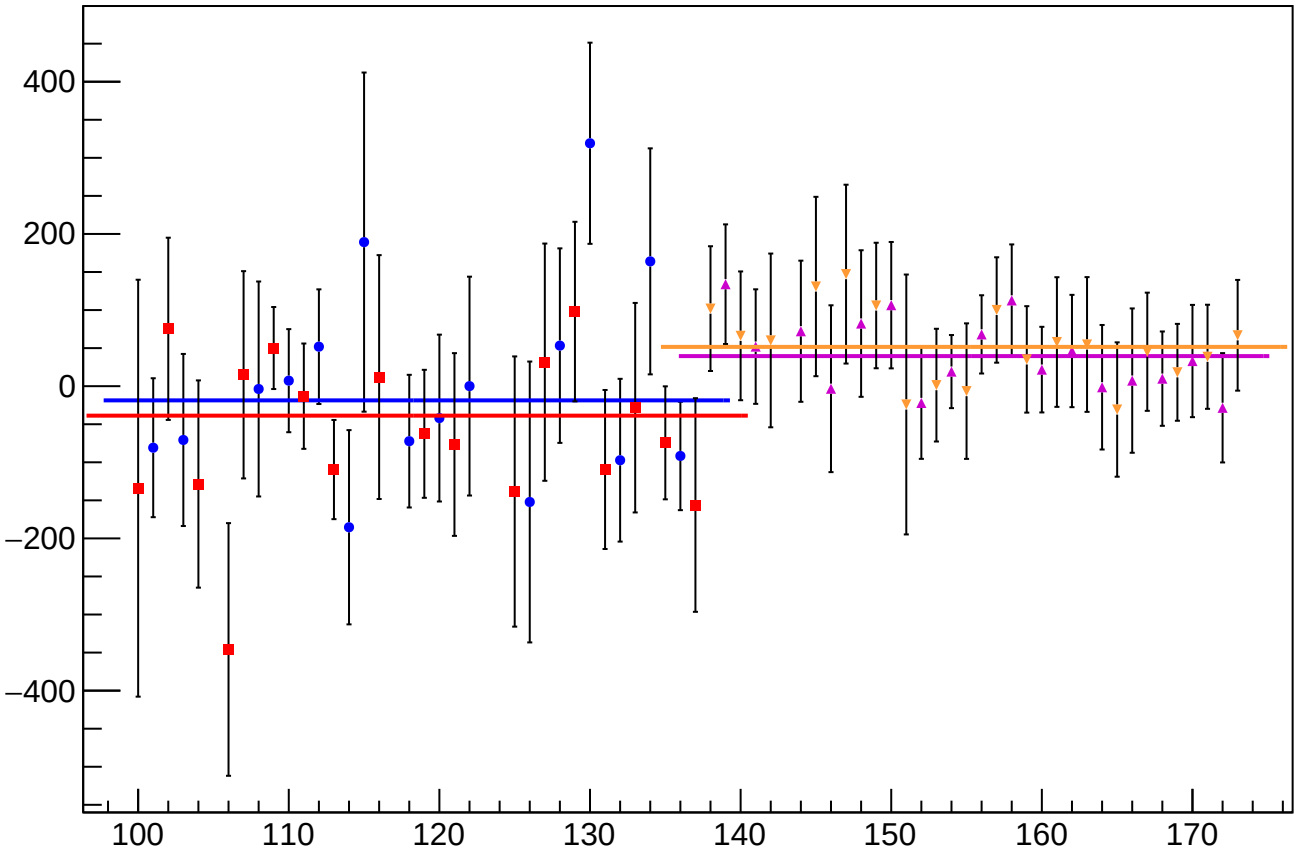
Left: 190.727+/-0.027 χ^2/NDF: 3050230.4/34

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 182.575+/-0.030 χ^2/NDF:2645517.8/32

Out: 192.511+/-0.031 χ^2/NDF:3139226.5/35

All: 187.306+/-0.021 χ^2/NDF: 5838448.2/68



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 51.616+/-19.528 χ^2/NDF:4.8/17

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 39.523+/-17.222 χ^2/NDF:6.4/16

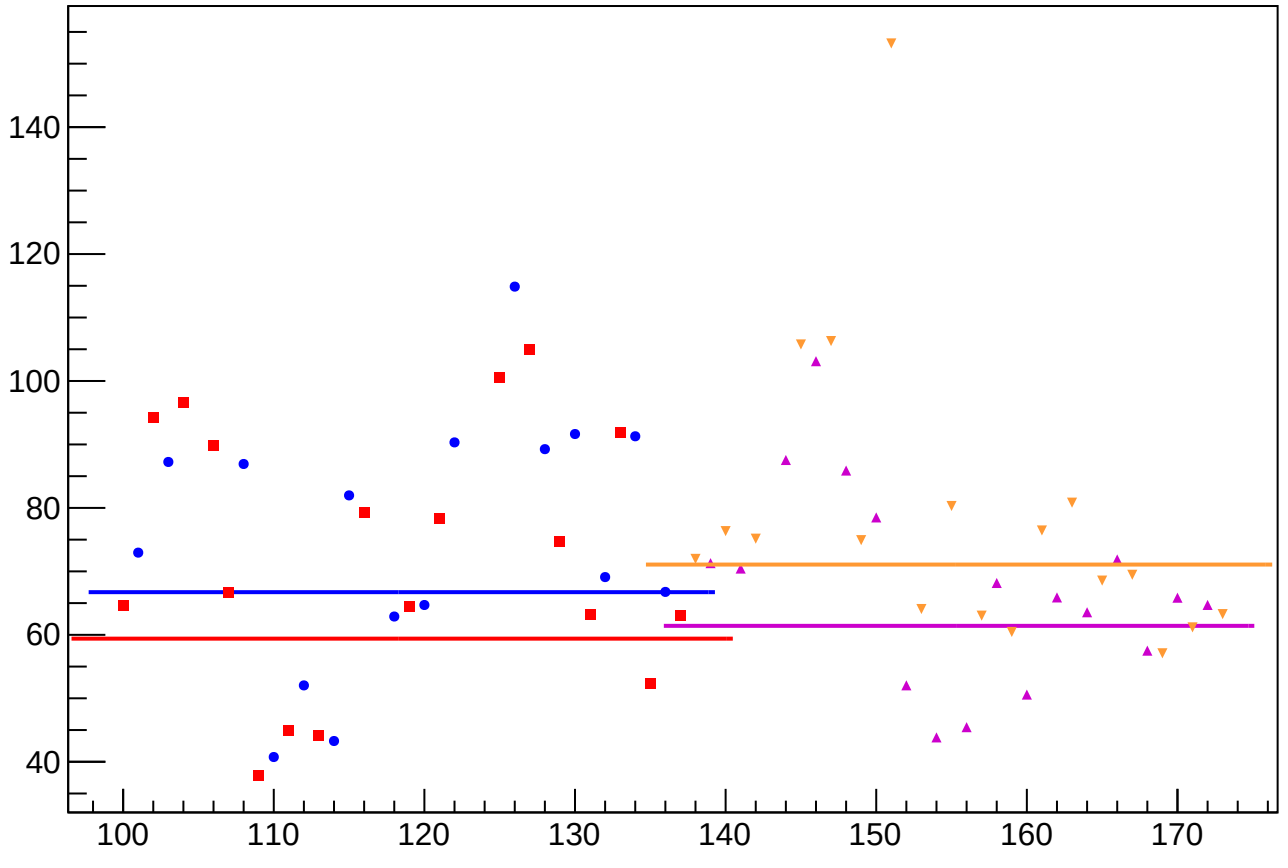
Left: 44.814+/-12.916 χ^2/NDF: 11.4/34

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 21.901+/-14.378 χ^2/NDF:25.0/32

Out: 15.000+/-15.058 χ^2/NDF:26.1/35

All: 18.610+/-10.399 χ^2/NDF: 51.3/68



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 71.073+/-0.014 χ^2/NDF:1139328.9/17

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 61.417+/-0.012 χ^2/NDF:1359603.6/16

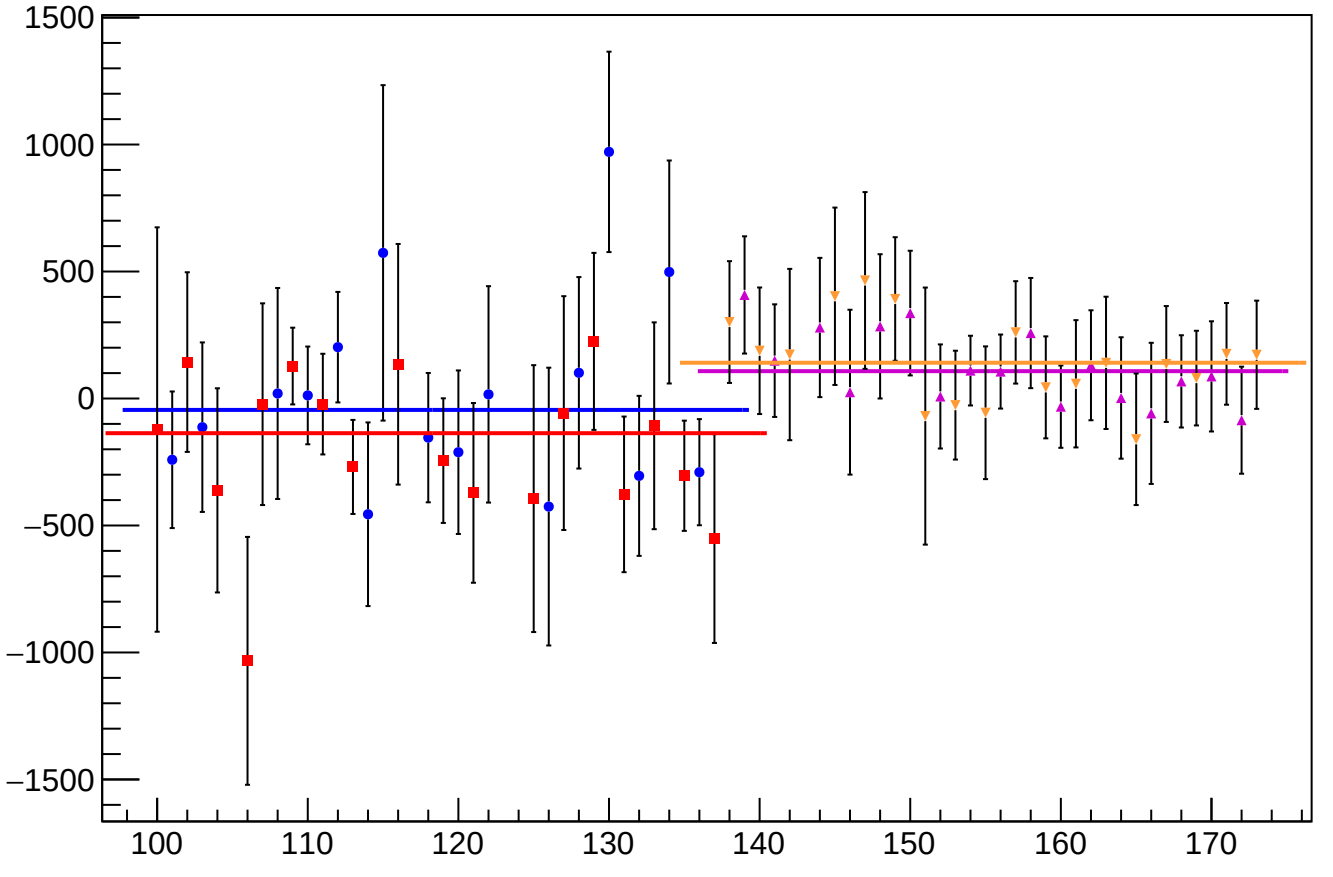
Left: 65.642+/-0.009 χ^2/NDF: 2774022.0/34

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 63.025+/-0.010 χ^2/NDF:2364188.5/32

Out: 66.342+/-0.011 χ^2/NDF:2874374.6/35

All: 64.607+/-0.007 χ^2/NDF: 5289320.4/68



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 140.819+/-57.171 χ^2/NDF:6.5/17

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 107.646+/-49.999 χ^2/NDF:6.4/16

Left: 122.023+/-37.636 χ^2/NDF: 13.1/34

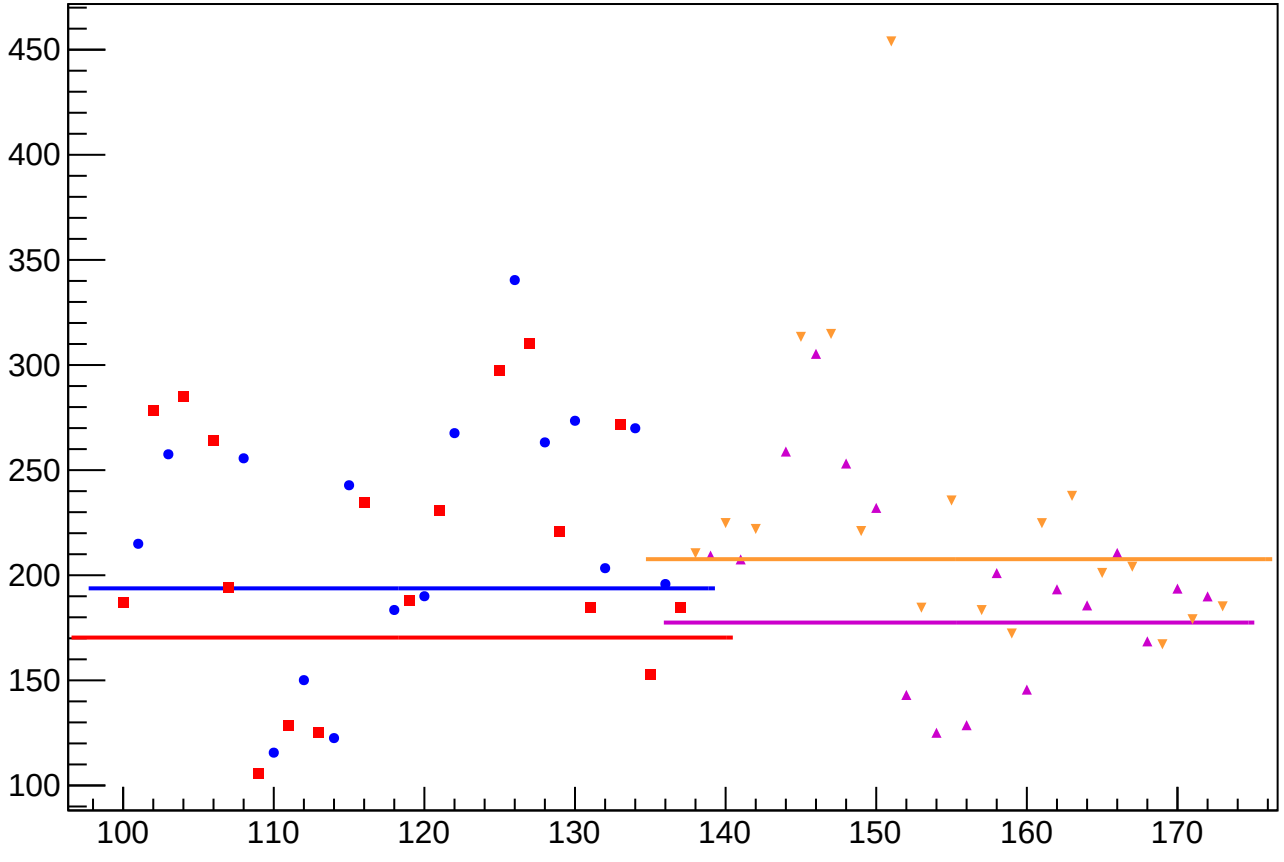
Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 61.729+/-41.803 χ^2/NDF:24.6/32

Out: 26.578+/-43.845 χ^2/NDF:29.1/35

All: 44.991+/-30.255 χ^2/NDF: 54.1/68

asym_bcm_an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 207.647+/-0.040 χ^2/NDF:1198178.5/17

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 177.490+/-0.035 χ^2/NDF:1539654.5/16

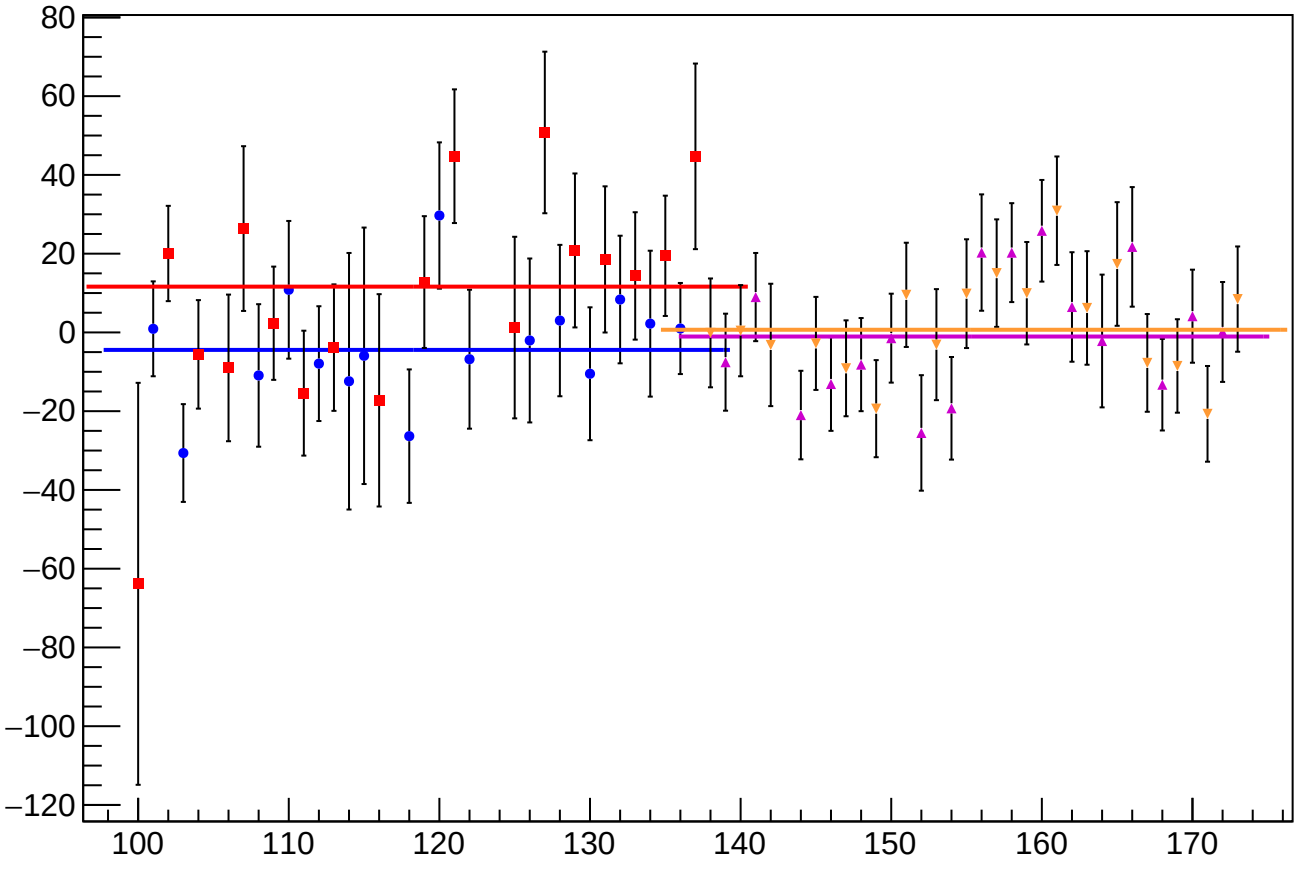
Left: 190.559+/-0.027 χ^2/NDF: 3053137.3/34

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 182.389+/-0.030 χ^2/NDF:2651546.6/32

Out: 192.290+/-0.031 χ^2/NDF:3147605.7/35

All: 187.104+/-0.021 χ^2/NDF: 5852569.0/68



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 0.676+/-3.091 χ^2/NDF:16.6/17

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -1.043+/-3.075 χ^2/NDF:23.5/16

Left: -0.188+/-2.180 χ^2/NDF: 40.3/34

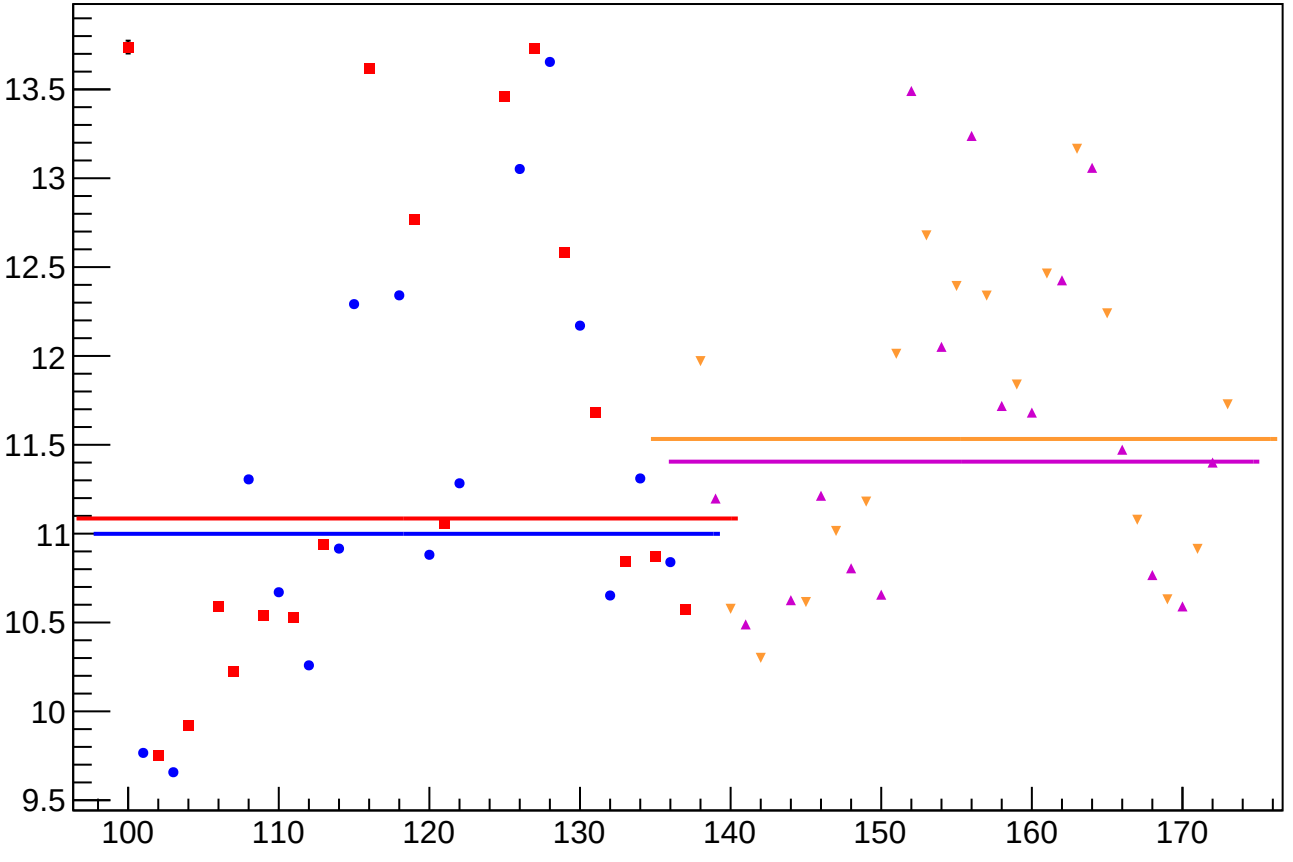
Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -2.254+/-2.466 χ^2/NDF:35.9/32

Out: 4.599+/-2.476 χ^2/NDF:42.7/35

All: 1.159+/-1.747 χ^2/NDF: 82.5/68

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: 11.533+/-0.002 χ^2/NDF:135921.0/17

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.405+/-0.002 χ^2/NDF:161913.4/16

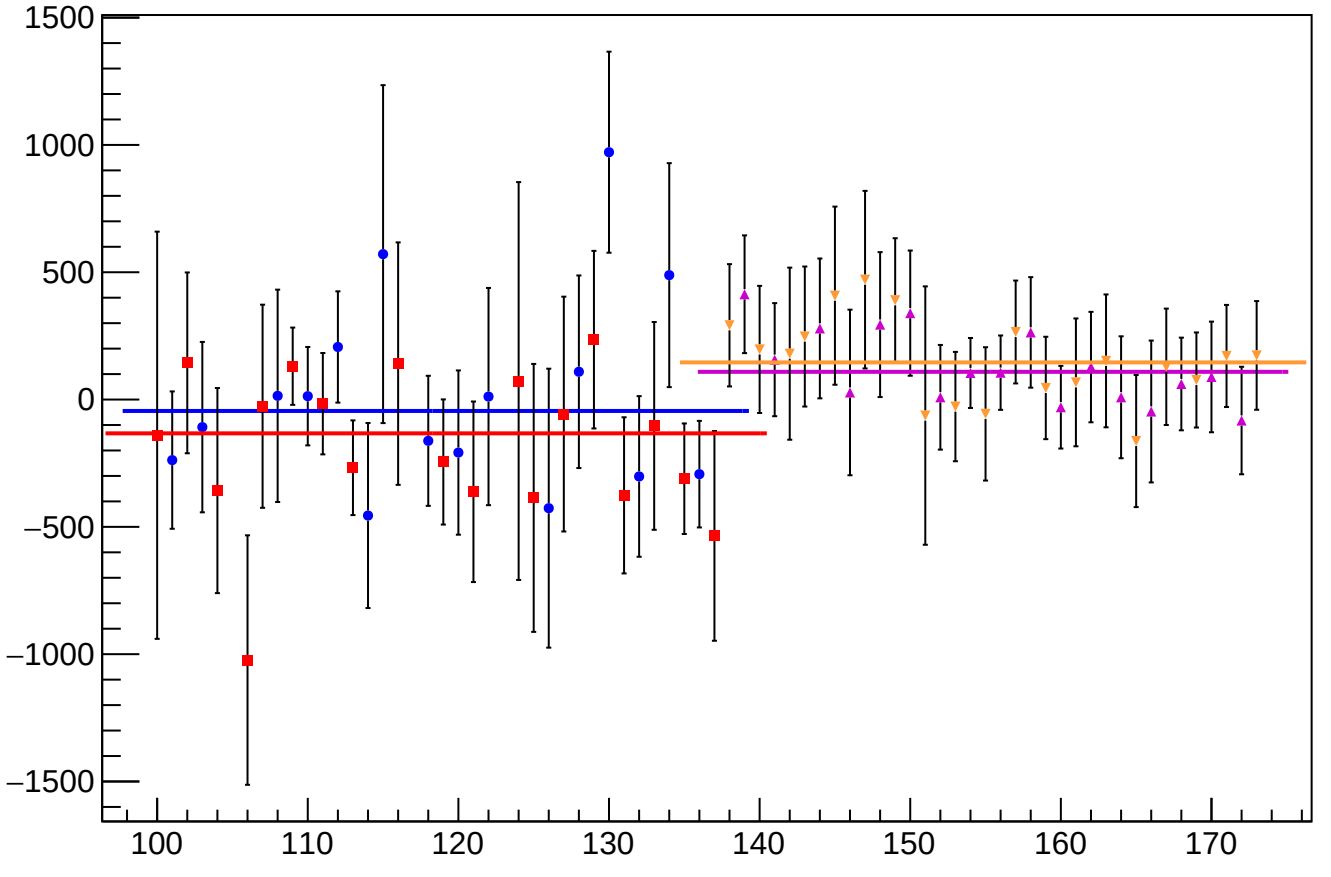
Left: 11.469+/-0.002 χ^2/NDF: 299548.8/34

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.260+/-0.002 χ^2/NDF:310513.8/32

Out: 11.372+/-0.002 χ^2/NDF:313146.8/35

All: 11.316+/-0.001 χ^2/NDF: 625718.2/68



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 145.948+/-56.069 χ^2/NDF:6.7/18

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 108.904+/-50.081 χ^2/NDF:6.4/16

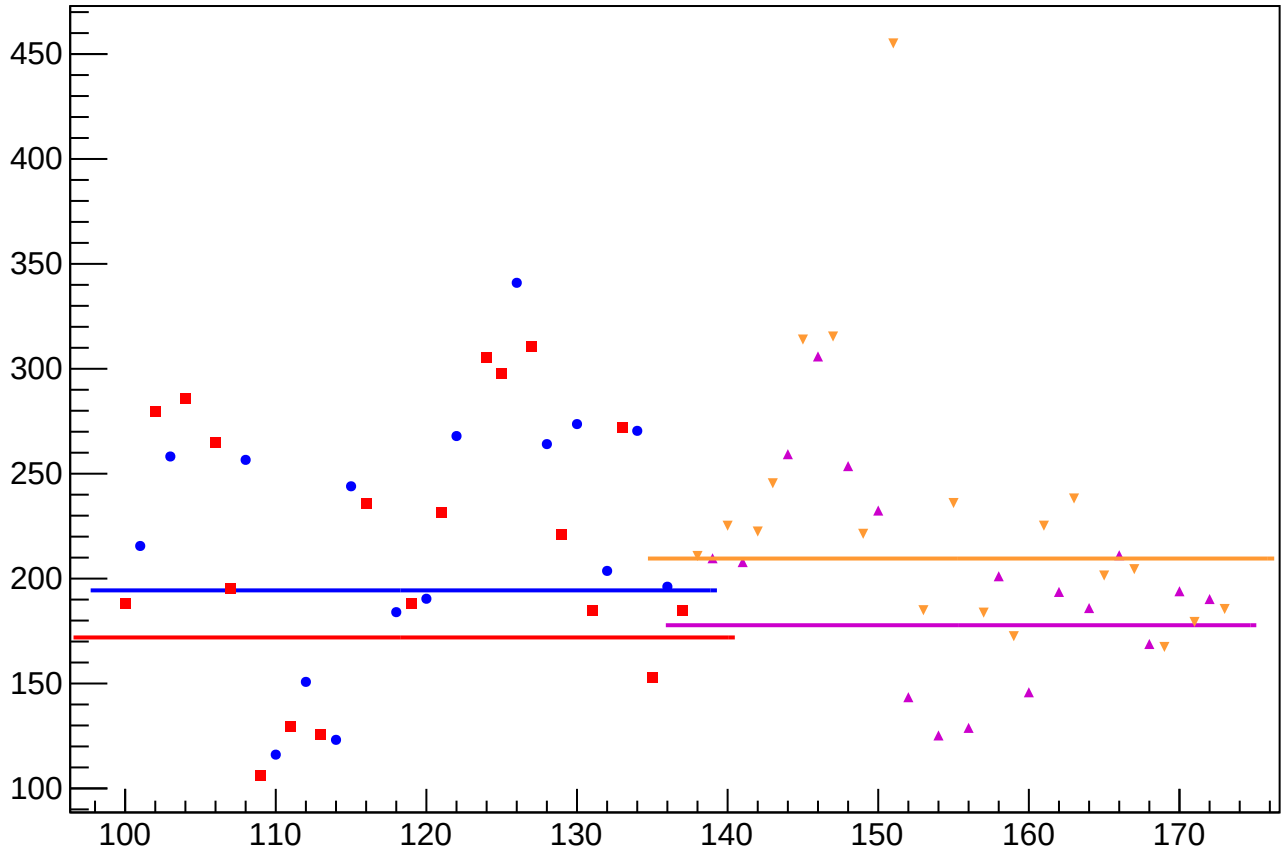
Left: 125.343+/-37.351 χ^2/NDF: 13.3/35

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 62.730+/-41.888 χ^2/NDF:24.7/32

Out: 33.694+/-43.329 χ^2/NDF:29.5/37

All: 48.703+/-30.116 χ^2/NDF: 54.4/70



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 209.564+/-0.040 χ^2/NDF:1234827.4/18

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 177.777+/-0.035 χ^2/NDF:1540049.1/16

Left: 191.883+/-0.026 χ^2/NDF: 3132436.2/35

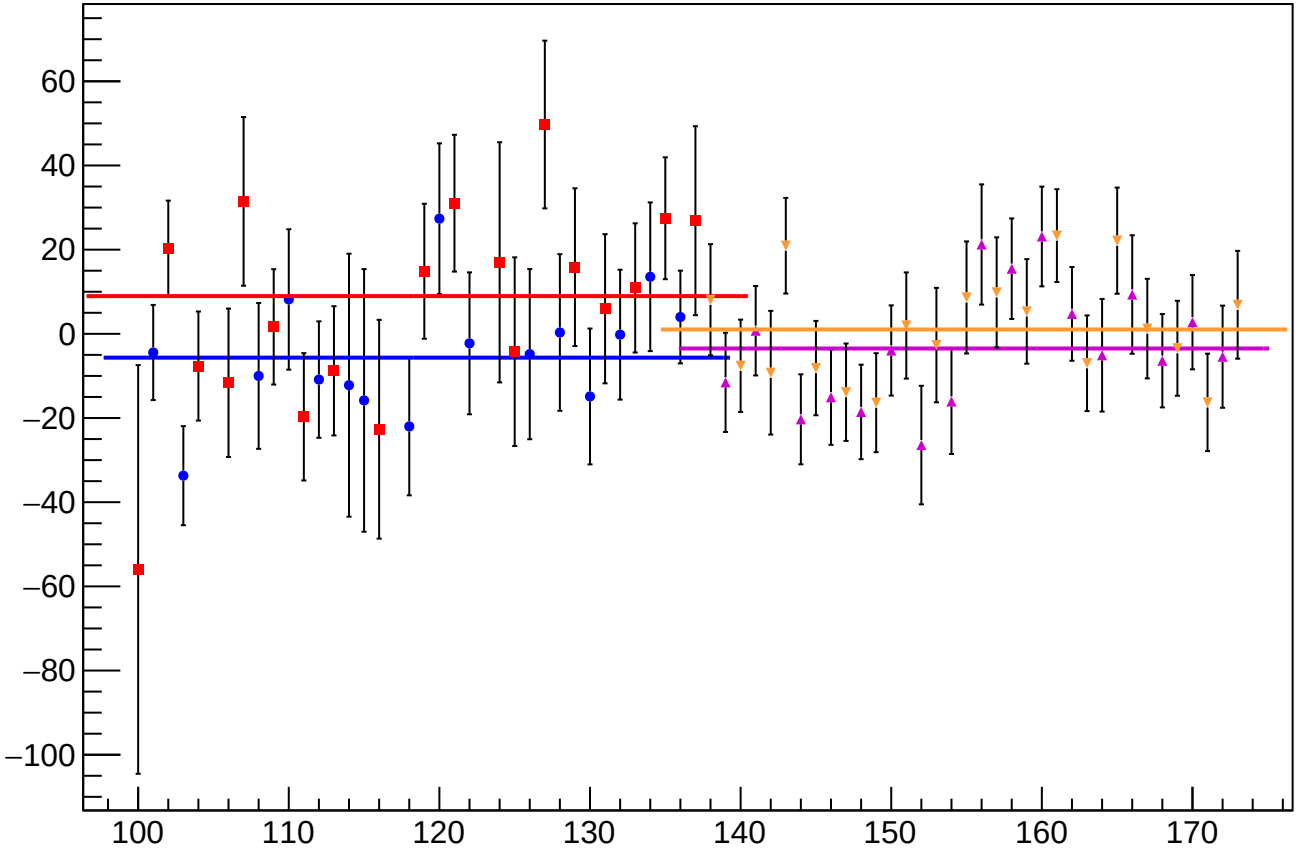
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 182.767+/-0.030 χ^2/NDF:2648148.3/32

Out: 194.413+/-0.031 χ^2/NDF:3248768.7/37

All: 188.393+/-0.021 χ^2/NDF: 5971602.9/70

asym_bcm_an_us_an_ds3_dd_mean vs Slug, Sign Corrected



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 1.037+/-2.778 χ^2/NDF:20.0/18

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -3.481+/-2.871 χ^2/NDF:22.0/16

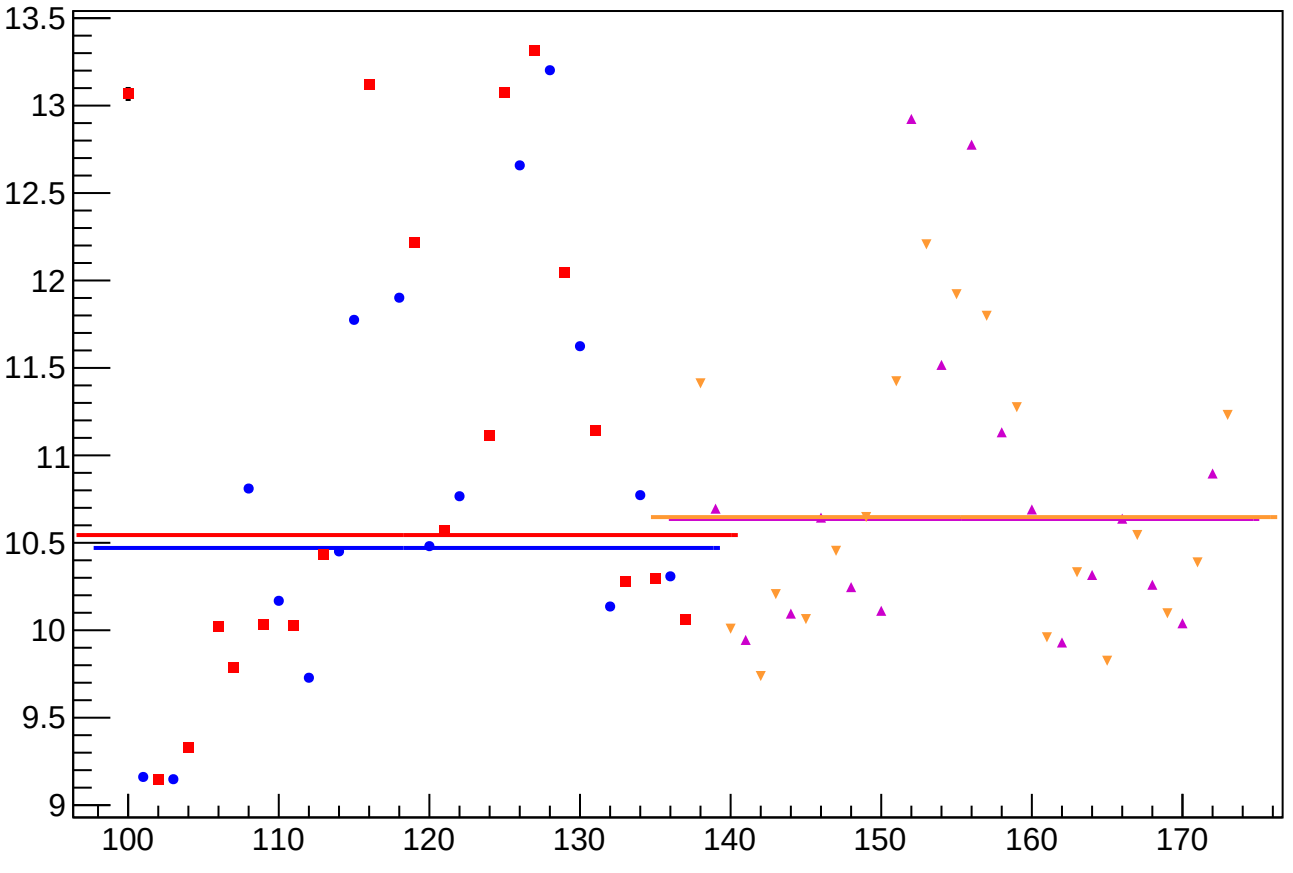
Left: -1.148+/-1.996 χ^2/NDF: 43.2/35

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -4.236+/-2.320 χ^2/NDF:35.9/32

Out: 3.703+/-2.263 χ^2/NDF:45.5/37

All: -0.168+/-1.620 χ^2/NDF: 87.3/70



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.647+/-0.002 χ^2/NDF:130794.7/18

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.636+/-0.002 χ^2/NDF:150070.9/16

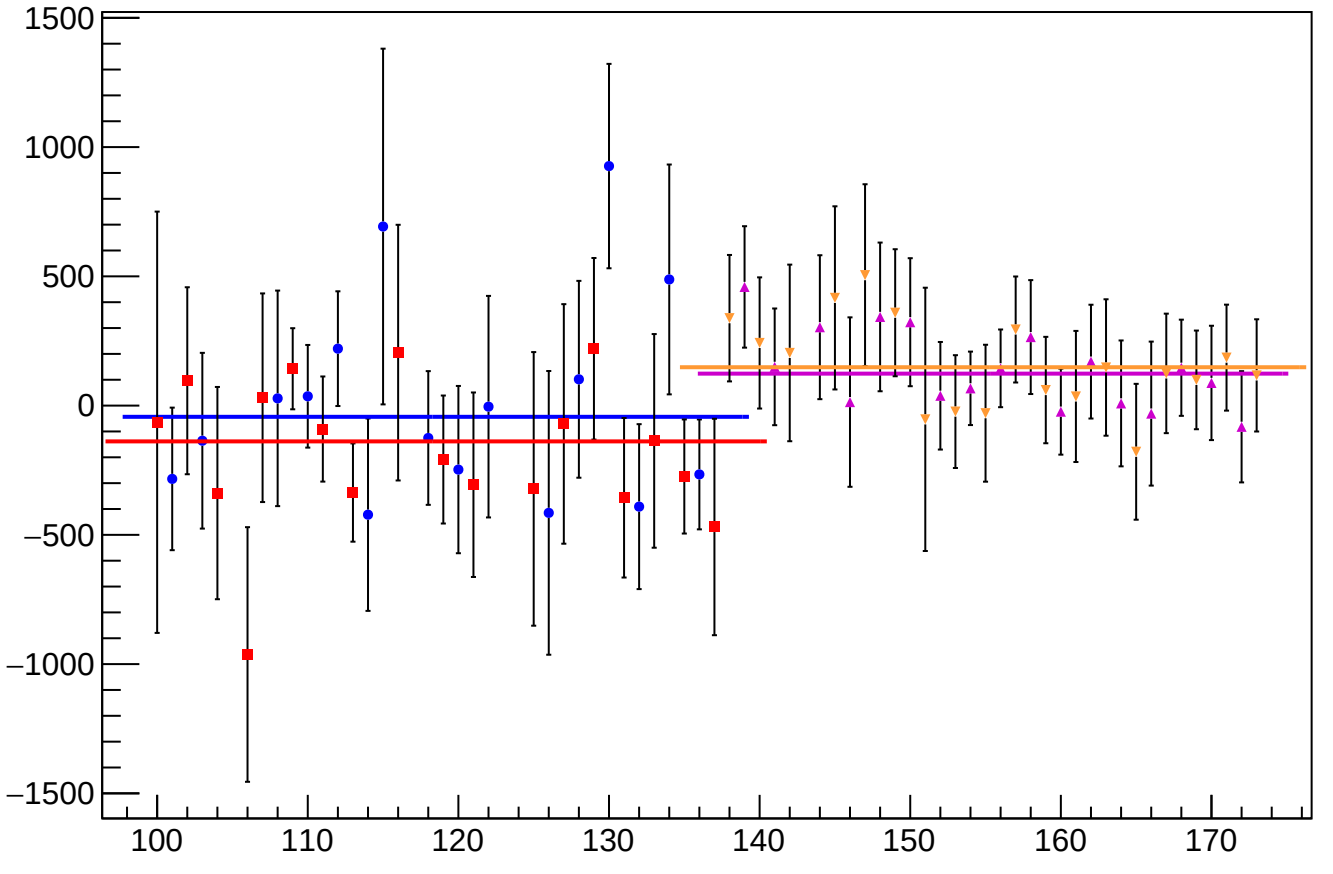
Left: 10.642+/-0.001 χ^2/NDF: 280879.8/35

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.579+/-0.002 χ^2/NDF:309750.6/32

Out: 10.612+/-0.002 χ^2/NDF:318494.2/37

All: 10.596+/-0.001 χ^2/NDF: 628459.8/70



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 148.423+/-58.169 χ^2/NDF:6.9/17

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 123.648+/-51.073 χ^2/NDF:6.9/16

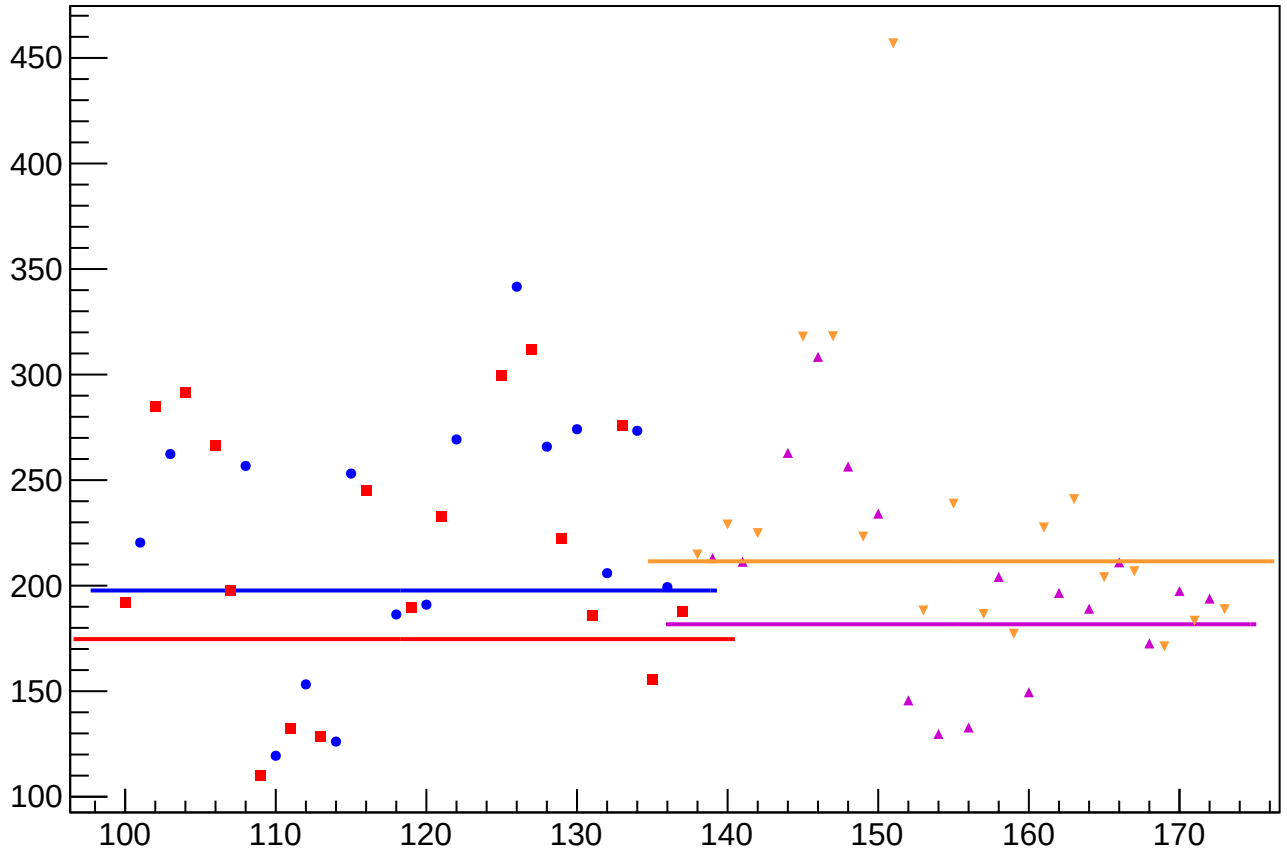
Left: 134.433+/-38.379 χ^2/NDF: 13.9/34

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 73.148+/-42.660 χ^2/NDF:25.6/32

Out: 30.910+/-44.695 χ^2/NDF:28.3/35

All: 53.012+/-30.859 χ^2/NDF: 54.4/68



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 211.533+/-0.041 χ^2/NDF:1159407.4/17

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 181.698+/-0.036 χ^2/NDF:1453169.2/16

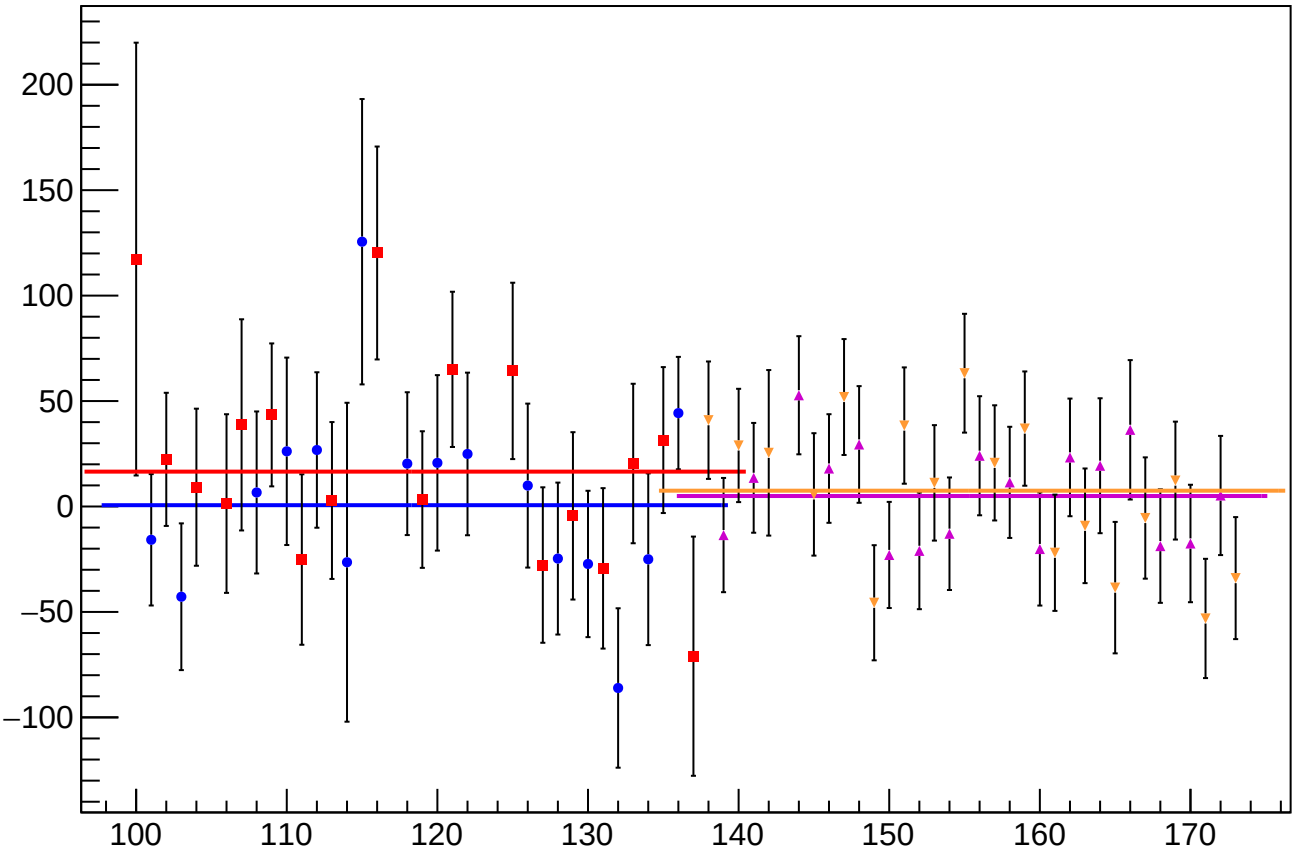
Left: 194.686+/-0.027 χ^2/NDF: 2909677.5/34

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 186.538+/-0.030 χ^2/NDF:2512908.5/32

Out: 196.436+/-0.032 χ^2/NDF:3023010.7/35

All: 191.257+/-0.022 χ^2/NDF: 5587251.3/68



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 7.495+/-6.678 χ^2/NDF:25.9/17

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 4.967+/-6.681 χ^2/NDF:11.5/16

Left: 6.231+/-4.723 χ^2/NDF: 37.4/34

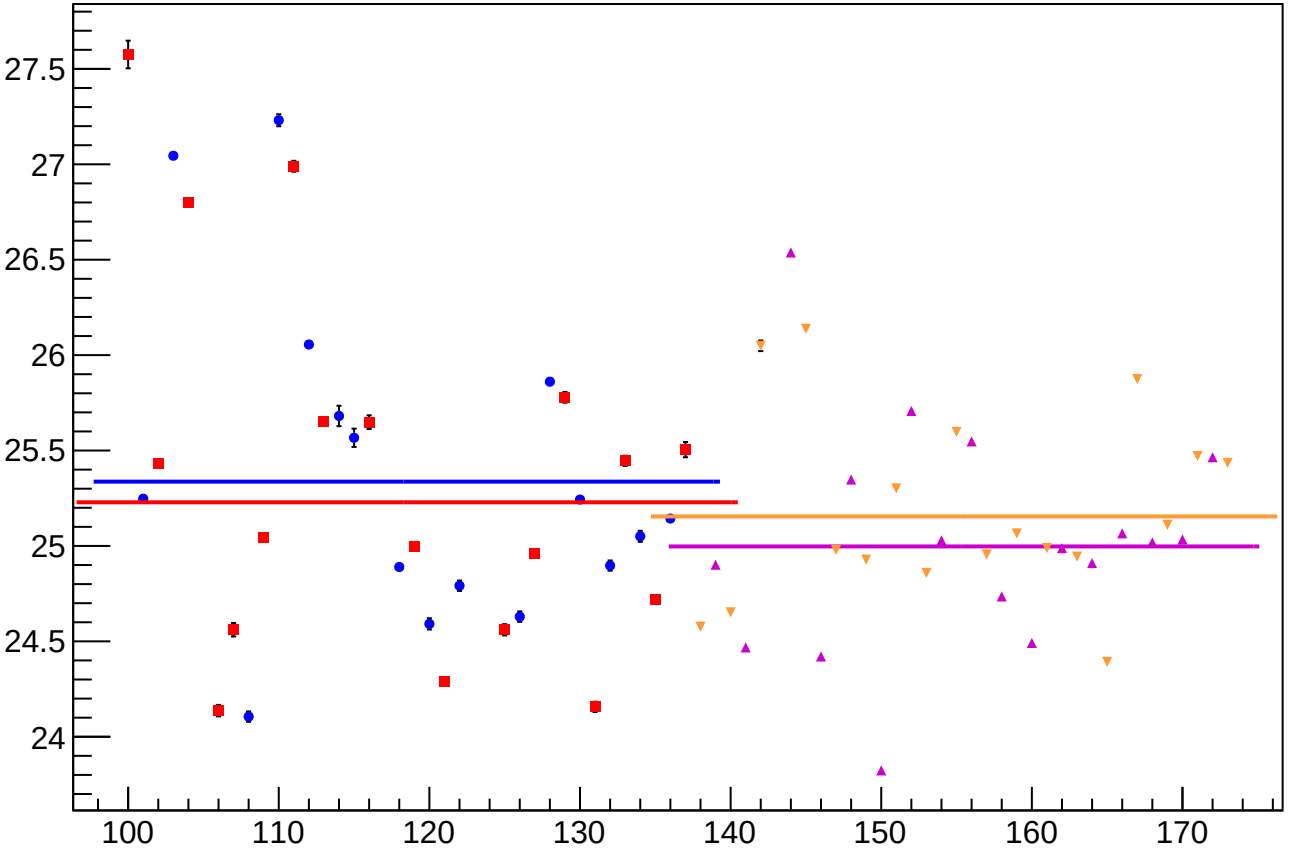
Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 3.512+/-5.450 χ^2/NDF:28.3/32

Out: 10.567+/-5.426 χ^2/NDF:42.9/35

All: 7.055+/-3.845 χ^2/NDF: 72.0/68

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: 25.154+/-0.005 χ^2/NDF:9110.7/17

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 24.997+/-0.005 χ^2/NDF:16143.1/16

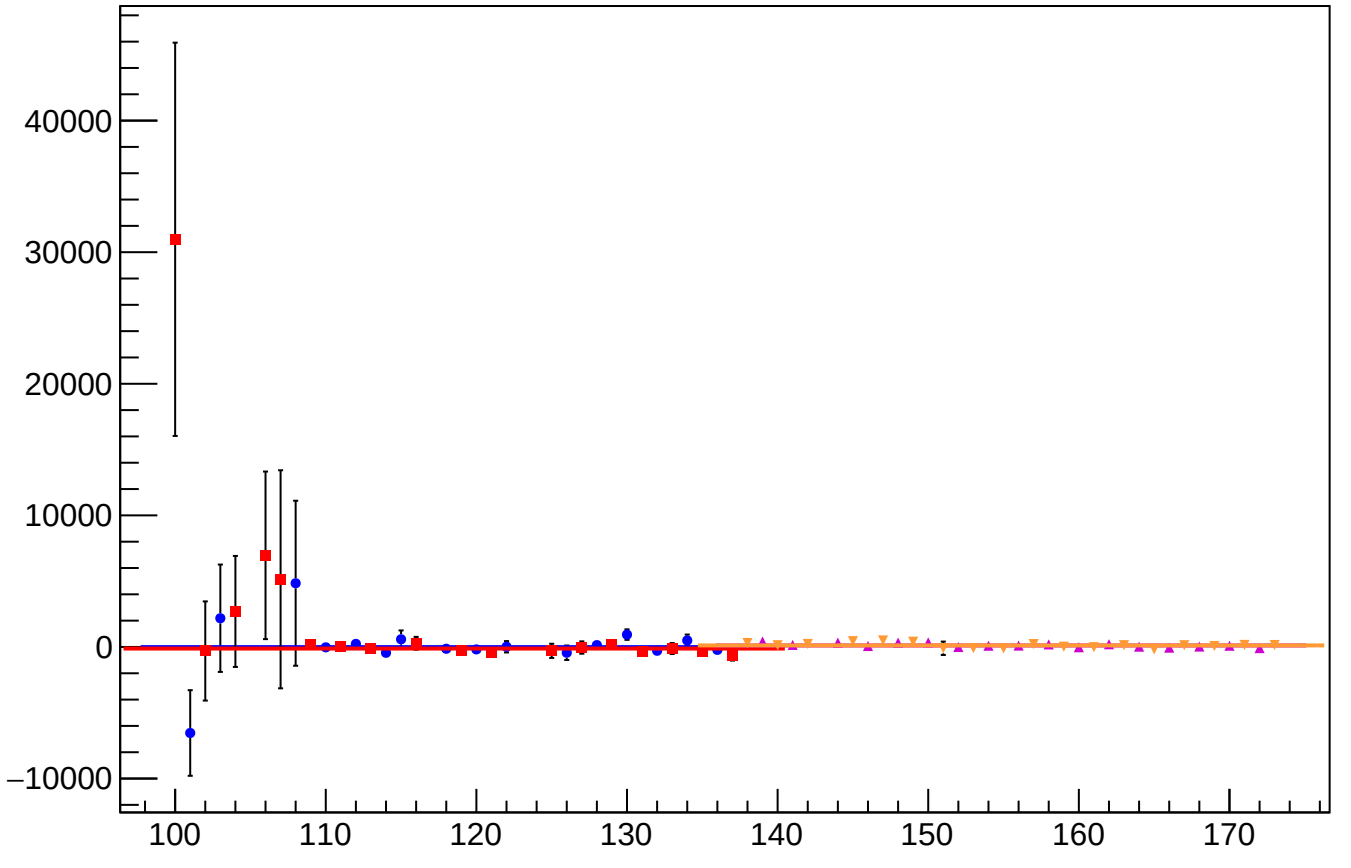
Left: 25.076+/-0.003 χ^2/NDF: 25806.8/34

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.111+/-0.004 χ^2/NDF:32187.5/32

Out: 25.180+/-0.004 χ^2/NDF:24370.9/35

All: 25.146+/-0.003 χ^2/NDF: 56718.0/68



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 117.178+/-58.538 χ^2/NDF:7.8/17

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 113.084+/-51.734 χ^2/NDF:6.5/16

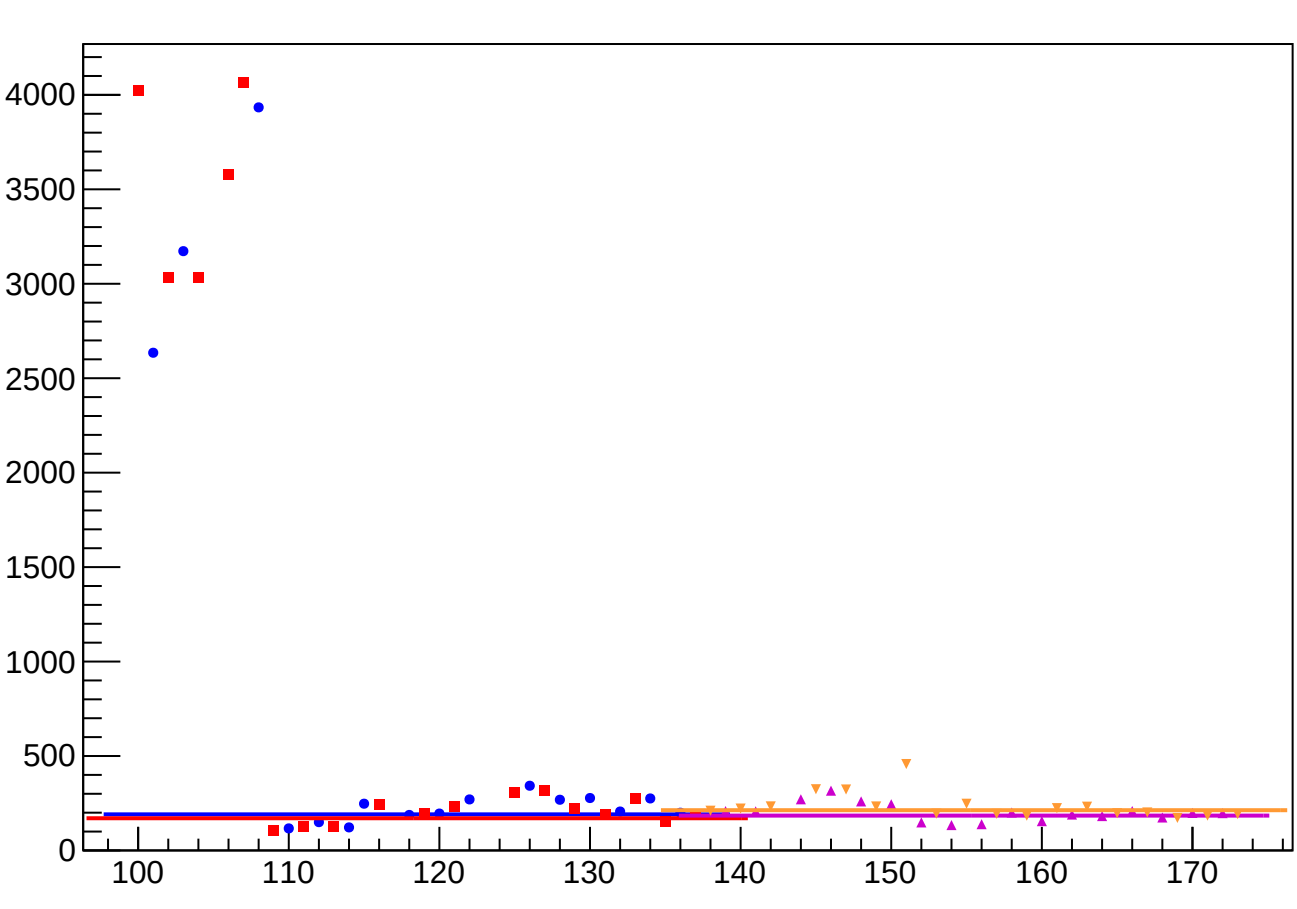
Left: 114.879+/-38.765 χ^2/NDF: 14.3/34

Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 78.637+/-44.115 χ^2/NDF:26.4/32

Out: 32.074+/-46.873 χ^2/NDF:28.1/35

All: 56.765+/-32.125 χ^2/NDF: 55.1/68



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 213.078+/-0.041 χ^2/NDF:1135390.6/17

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 184.518+/-0.037 χ^2/NDF:1336982.3/16

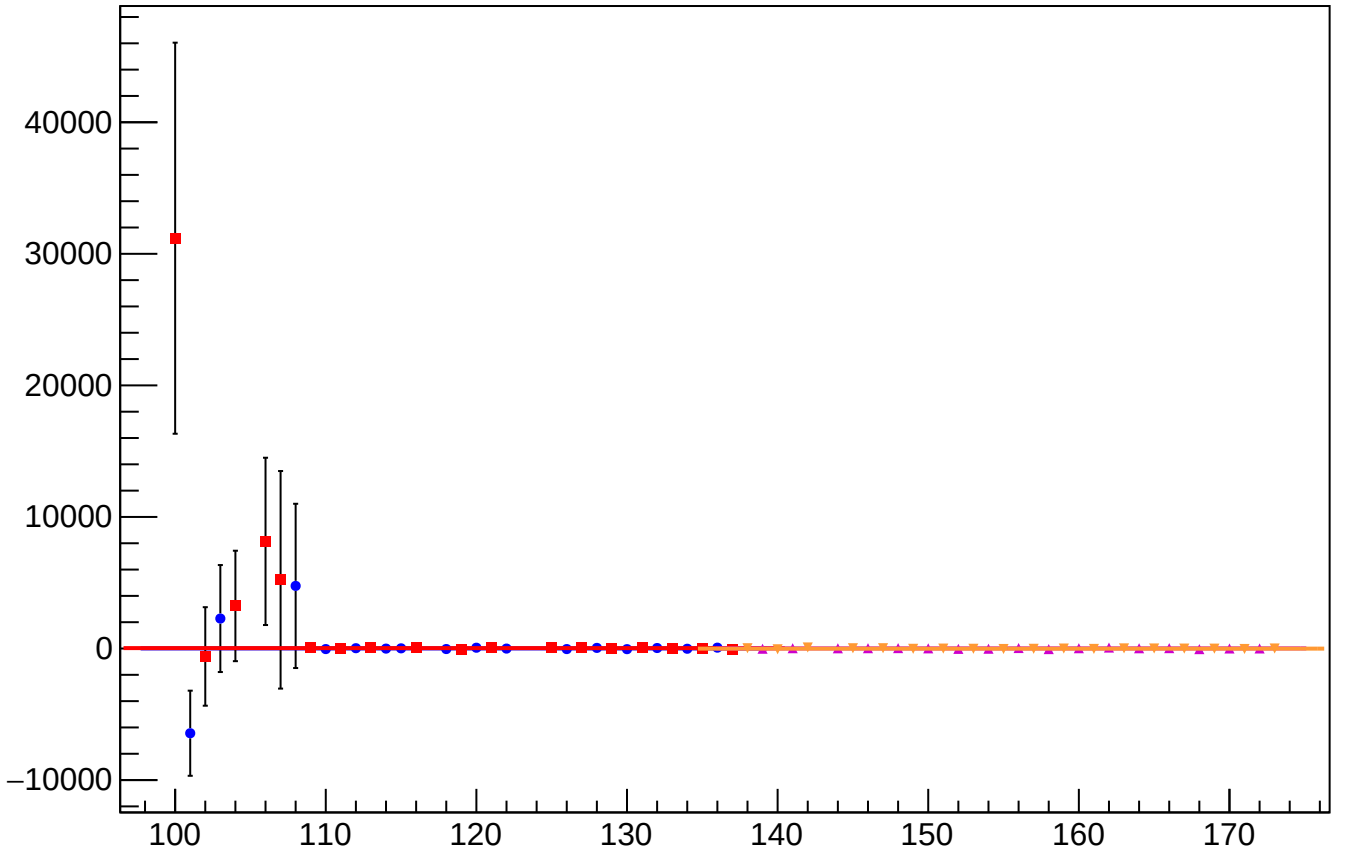
Left: 197.042+/-0.027 χ^2/NDF: 2739659.2/34

Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 186.306+/-0.031 χ^2/NDF:5179687.0/32

Out: 197.797+/-0.033 χ^2/NDF:5770005.6/35

All: 191.703+/-0.023 χ^2/NDF: 11013430.7/68



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -8.642+/-7.653 χ^2/NDF:11.6/17

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 8.337+/-7.737 χ^2/NDF:16.0/16

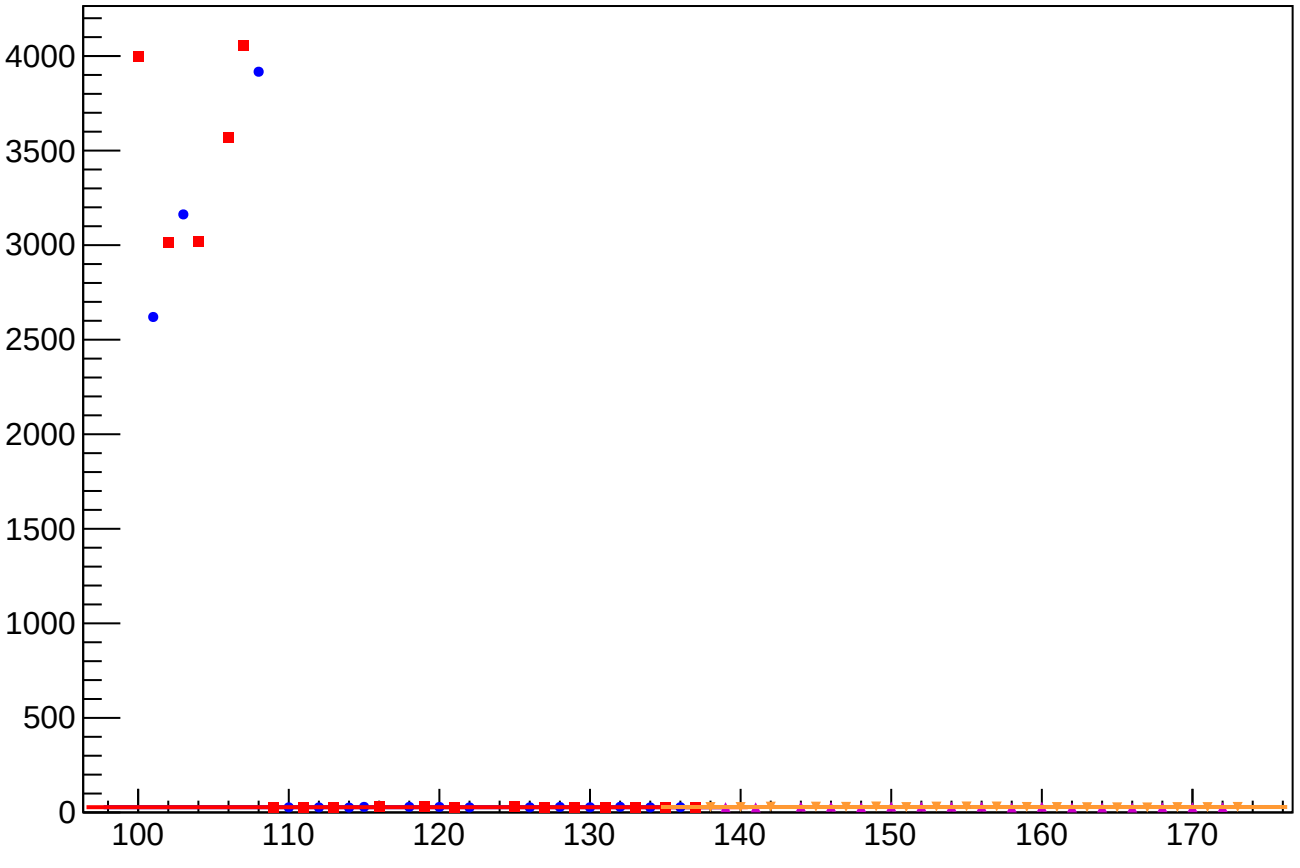
Left: -0.246+/-5.441 χ^2/NDF: 30.1/34

Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 7.779+/-6.464 χ^2/NDF:34.3/32

Out: 2.631+/-6.465 χ^2/NDF:39.1/35

All: 5.206+/-4.571 χ^2/NDF: 73.7/68



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.771+/-0.005 χ^2/NDF:72676.9/17

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 28.873+/-0.005 χ^2/NDF:111811.9/16

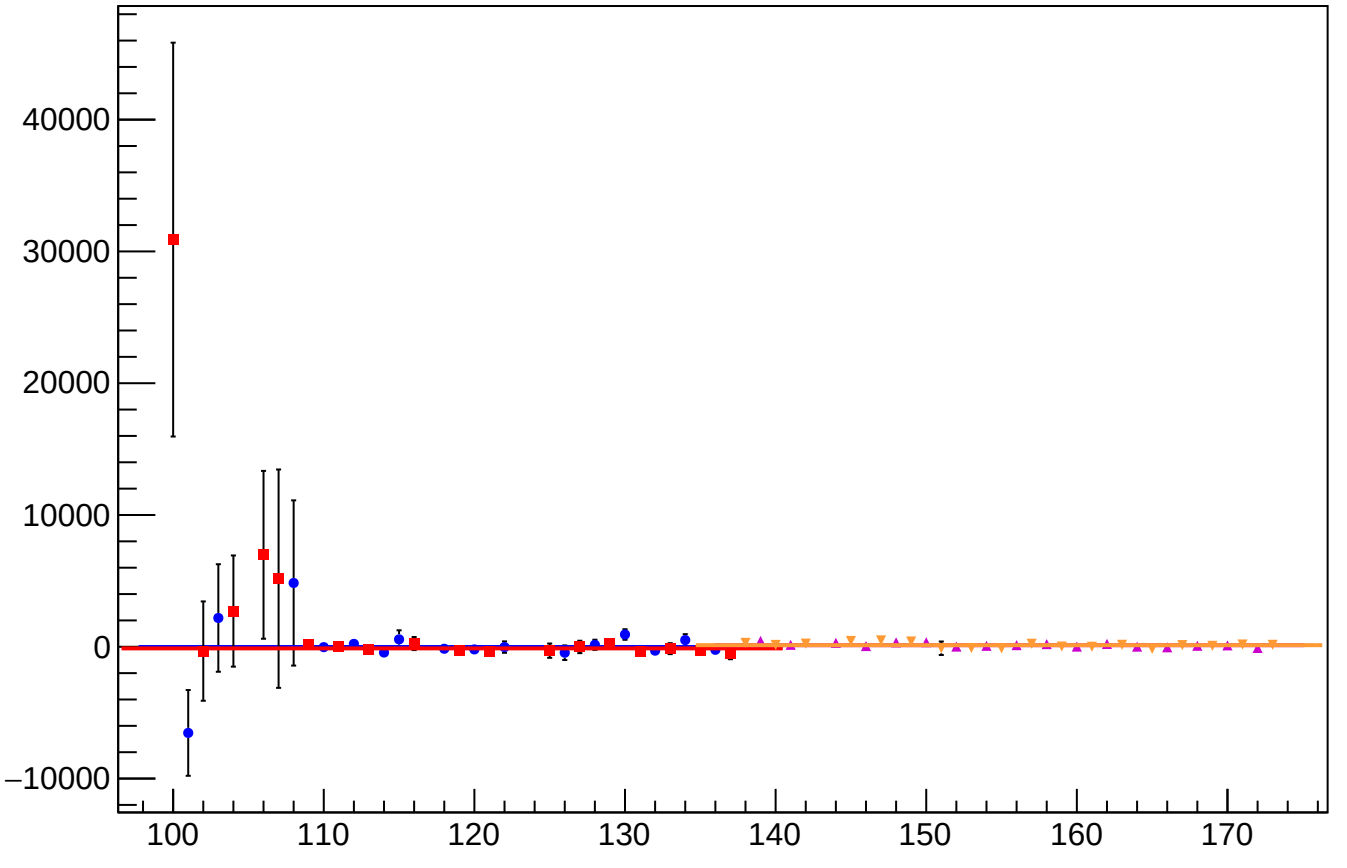
Left: 28.822+/-0.004 χ^2/NDF: 184665.5/34

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.557+/-0.005 χ^2/NDF:3388798.4/32

Out: 28.487+/-0.005 χ^2/NDF:3640713.1/35

All: 28.522+/-0.003 χ^2/NDF: 7029628.3/68



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 121.954+/-59.021 χ^2/NDF:7.6/17

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 122.120+/-52.225 χ^2/NDF:6.3/16

Left: 122.047+/-39.112 χ^2/NDF: 13.9/34

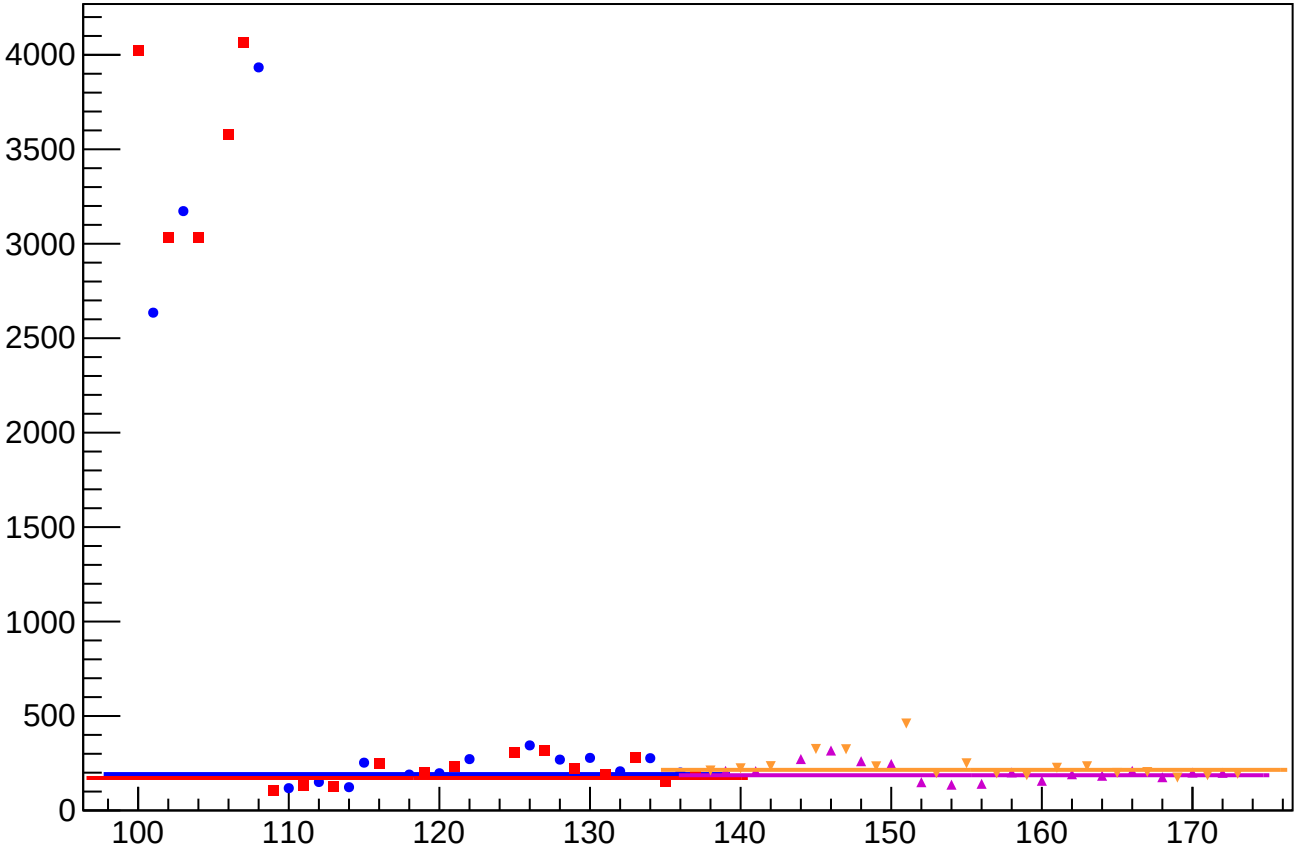
Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 83.344+/-44.506 χ^2/NDF:26.5/32

Out: 34.508+/-47.249 χ^2/NDF:26.9/35

All: 60.384+/-32.397 χ^2/NDF: 54.0/68

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug, Sign Corrected



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 214.937+/-0.042 χ^2/NDF:1117638.7/17

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 186.435+/-0.037 χ^2/NDF:1296777.3/16

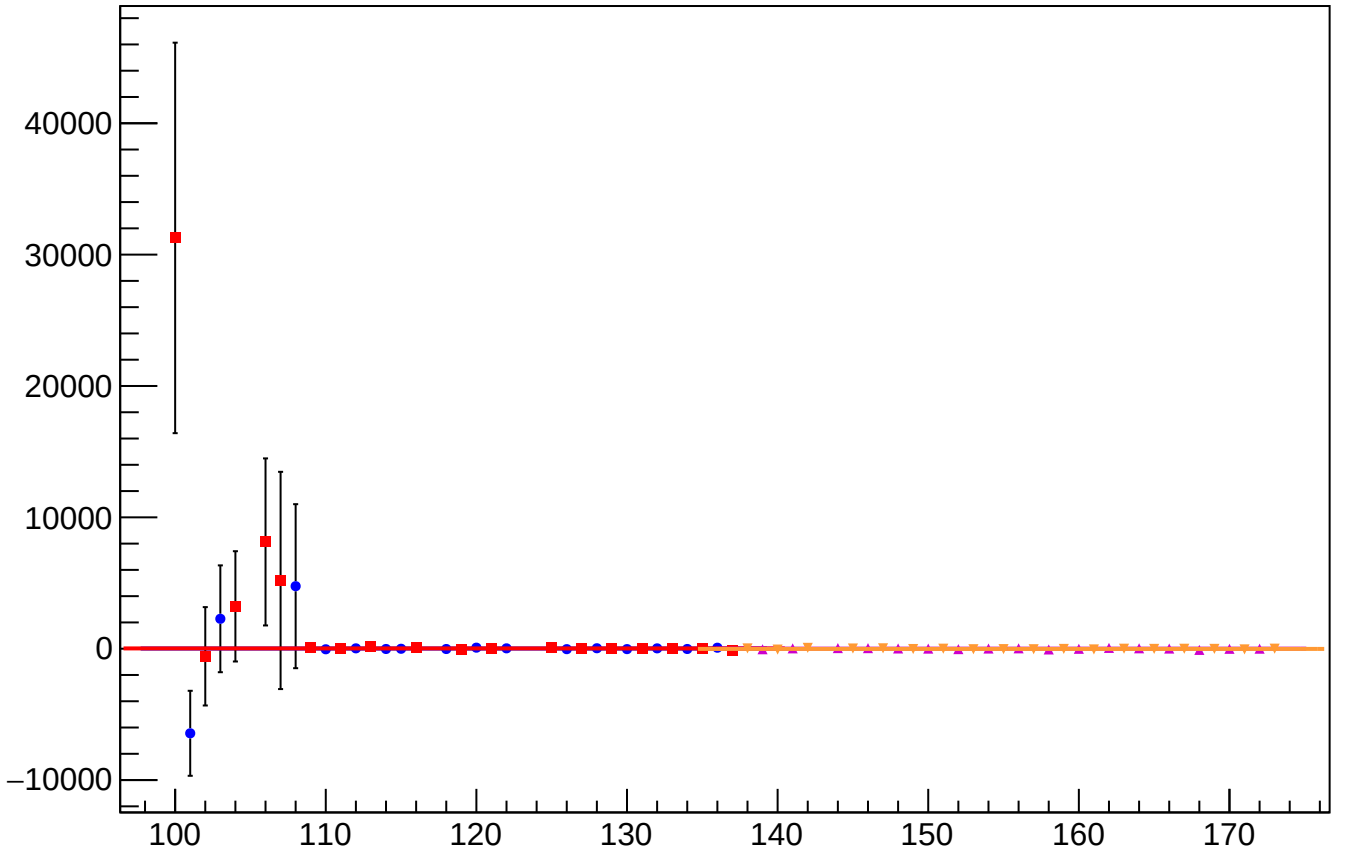
Left: 198.951+/-0.028 χ^2/NDF: 2676014.6/34

Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 188.111+/-0.031 χ^2/NDF:5127098.6/32

Out: 199.481+/-0.033 χ^2/NDF:5747362.6/35

All: 193.457+/-0.023 χ^2/NDF: 10935820.5/68



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -15.549+/-8.263 χ^2/NDF:13.0/17

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 2.838+/-8.348 χ^2/NDF:22.5/16

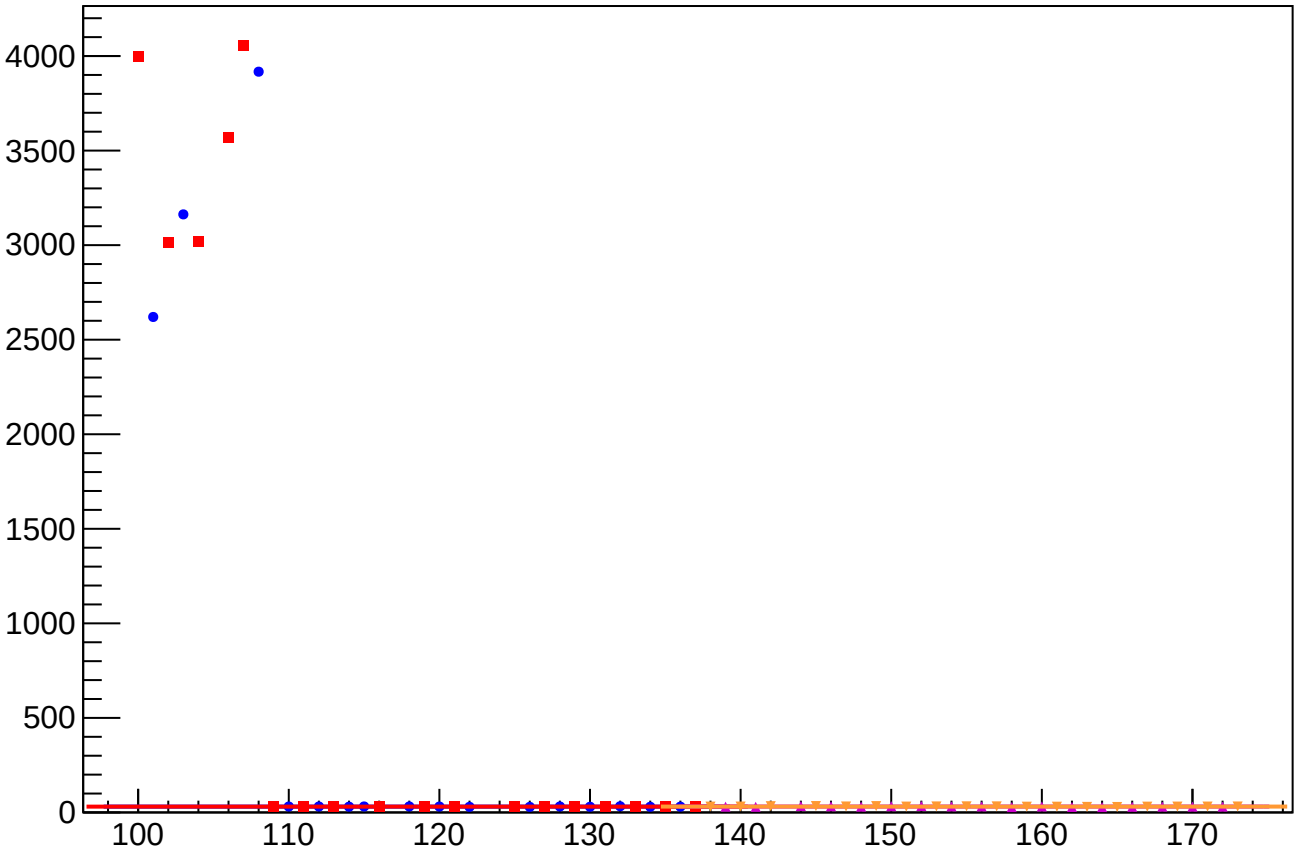
Left: -6.451+/-5.873 χ^2/NDF: 38.0/34

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 5.992+/-7.034 χ^2/NDF:38.5/32

Out: -5.212+/-7.030 χ^2/NDF:47.0/35

All: 0.387+/-4.973 χ^2/NDF: 86.8/68



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.089+/-0.006 χ^2/NDF:41909.7/17

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 31.176+/-0.006 χ^2/NDF:77174.6/16

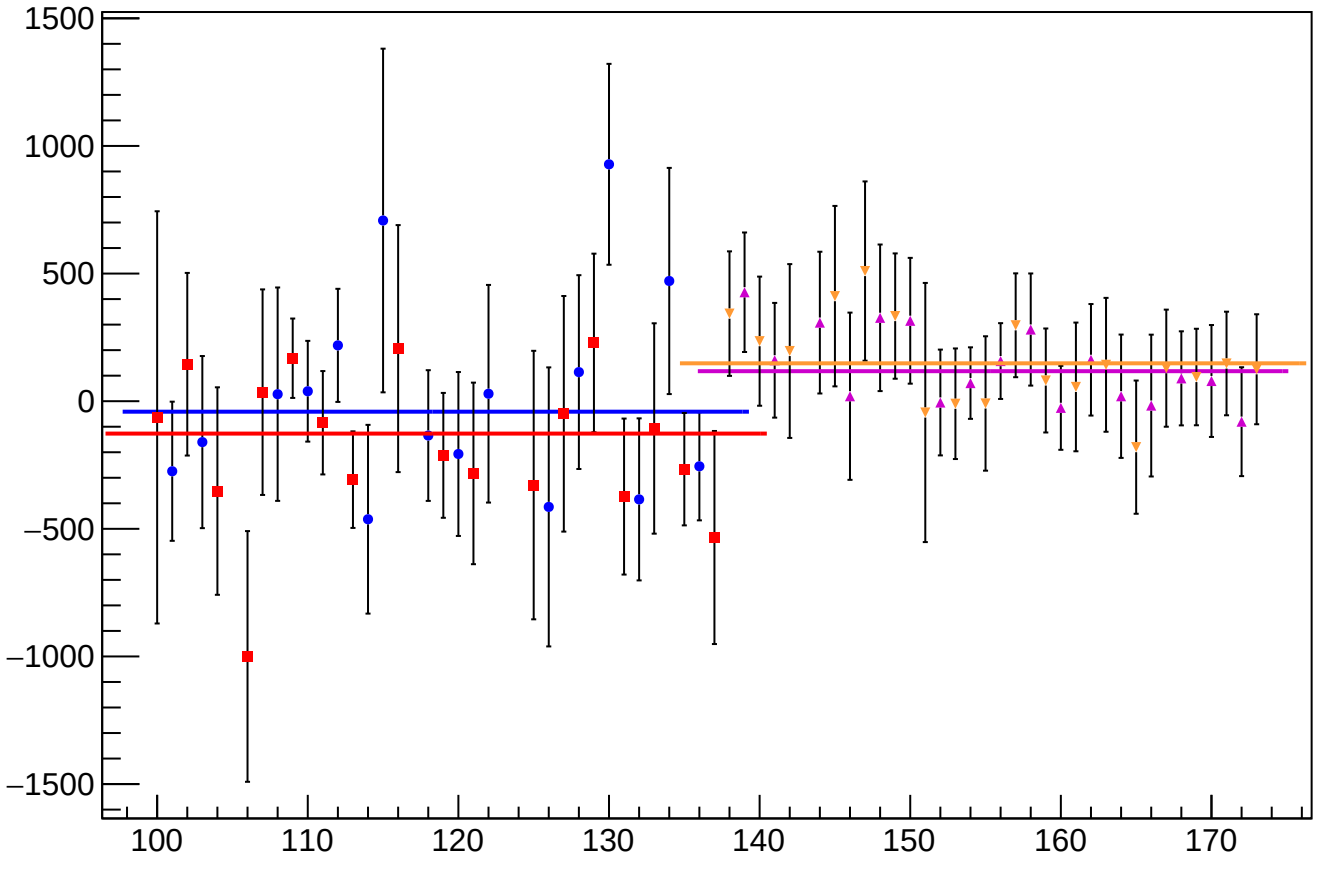
Left: 31.132+/-0.004 χ^2/NDF: 119194.0/34

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.104+/-0.005 χ^2/NDF:3330291.7/32

Out: 31.010+/-0.005 χ^2/NDF:3578524.9/35

All: 31.057+/-0.004 χ^2/NDF: 6908994.5/68



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 148.387+/-57.790 χ^2/NDF:6.5/17

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 117.586+/-50.667 χ^2/NDF:6.7/16

Left: 130.972+/-38.098 χ^2/NDF: 13.3/34

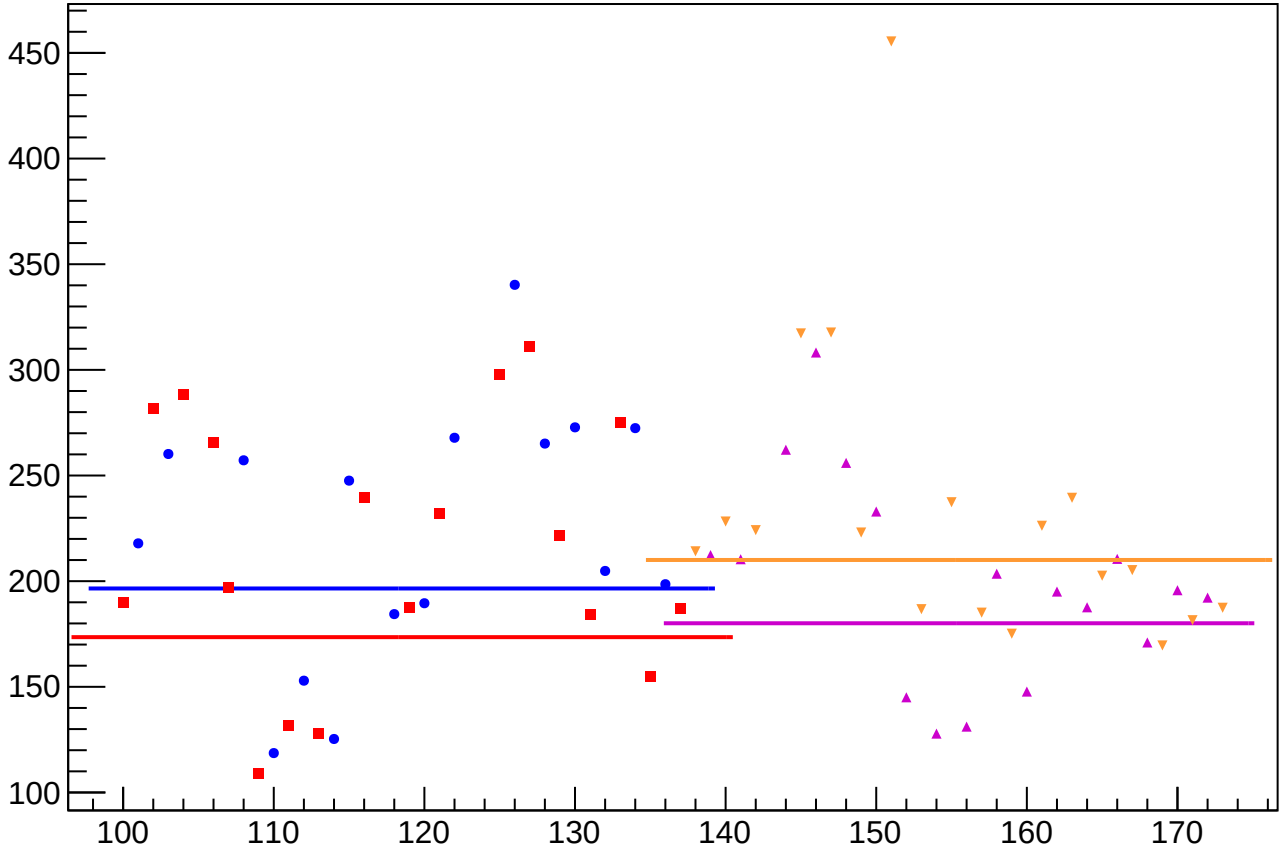
Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 69.754+/-42.349 χ^2/NDF:25.3/32

Out: 35.632+/-44.405 χ^2/NDF:28.5/35

All: 53.501+/-30.646 χ^2/NDF: 54.1/68

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: 210.031+/-0.041 χ^2/NDF:1181647.0/17

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 180.081+/-0.036 χ^2/NDF:1496387.2/16

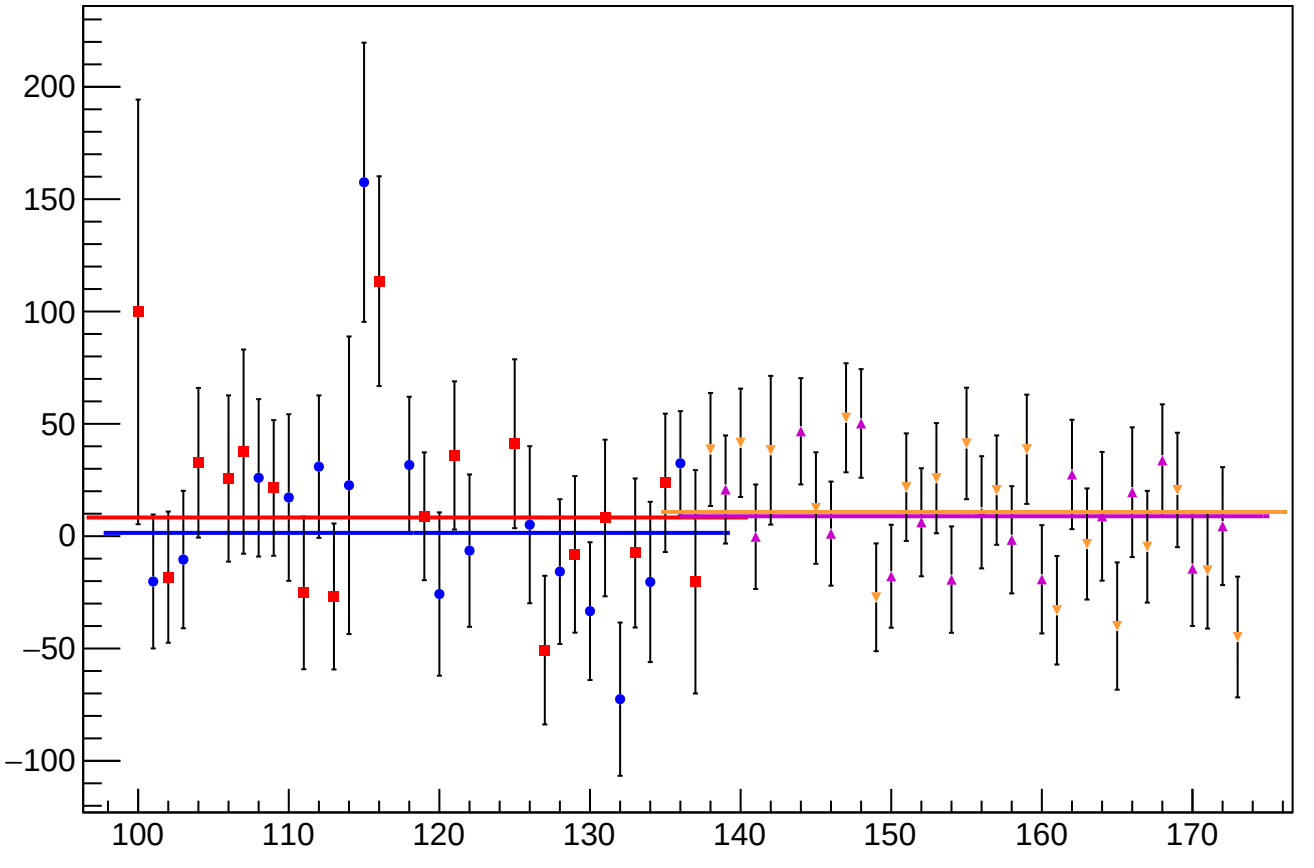
Left: 193.098+/-0.027 χ^2/NDF: 2981754.1/34

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 185.042+/-0.030 χ^2/NDF:2560782.8/32

Out: 195.072+/-0.031 χ^2/NDF:3041551.3/35

All: 189.820+/-0.022 χ^2/NDF: 5655766.8/68



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 10.770+/-5.942 χ^2/NDF:25.3/17

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 8.868+/-5.962 χ^2/NDF:12.9/16

Left: 9.822+/-4.209 χ^2/NDF: 38.2/34

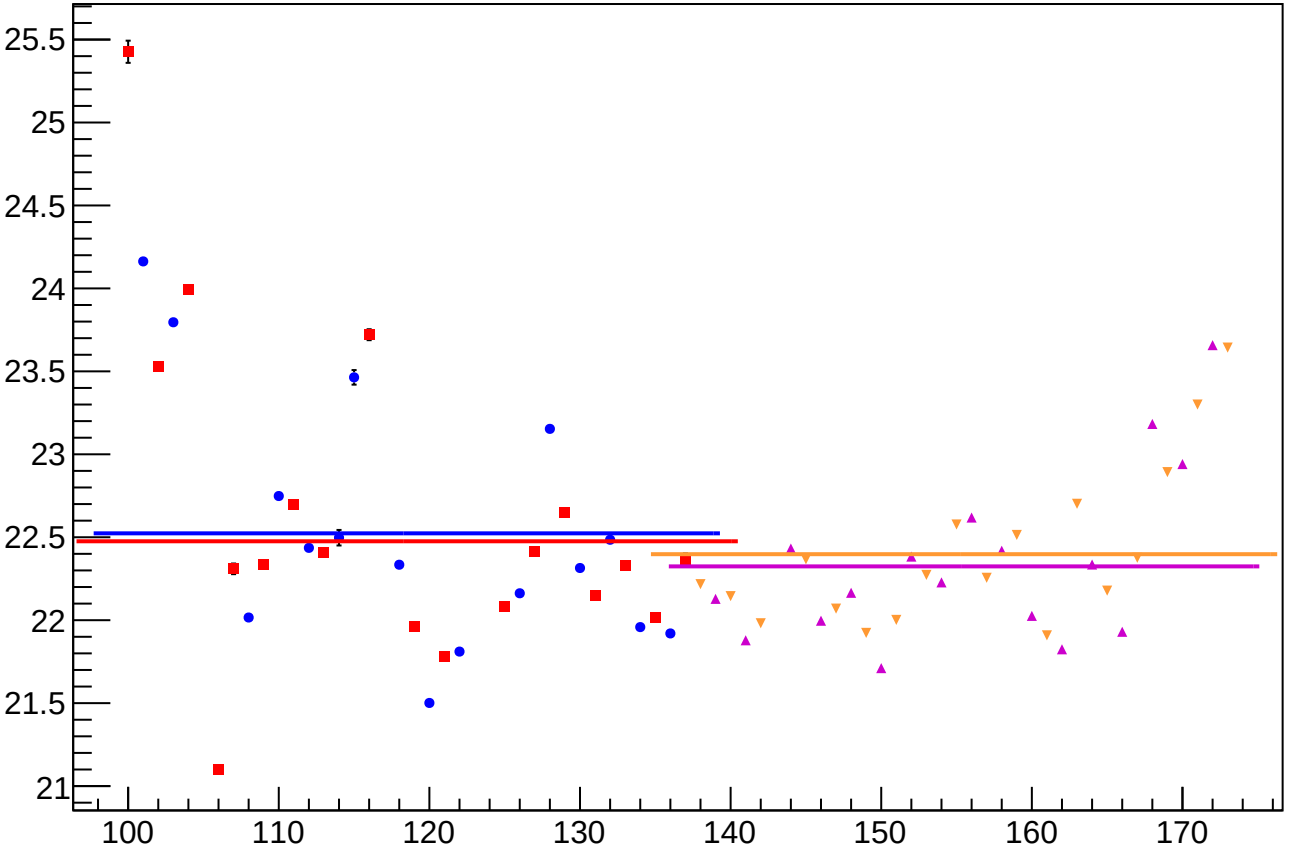
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 6.380+/-4.856 χ^2/NDF:32.1/32

Out: 9.940+/-4.829 χ^2/NDF:41.4/35

All: 8.170+/-3.424 χ^2/NDF: 73.7/68

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: 22.398+/-0.004 χ^2/NDF:11336.2/17

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.324+/-0.004 χ^2/NDF:13409.0/16

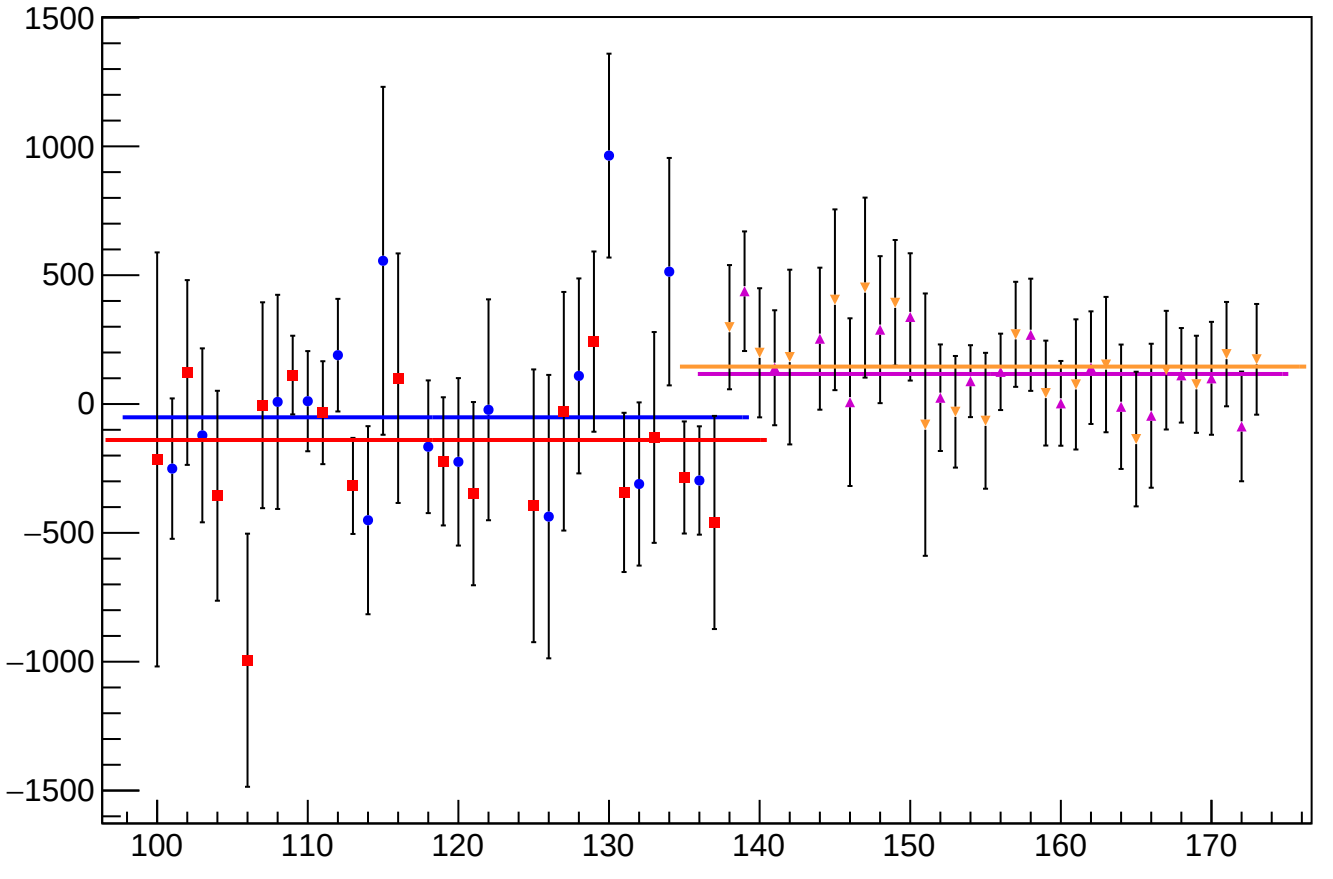
Left: 22.361+/-0.003 χ^2/NDF: 24897.9/34

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.391+/-0.003 χ^2/NDF:30108.3/32

Out: 22.424+/-0.003 χ^2/NDF:26989.2/35

All: 22.408+/-0.002 χ^2/NDF: 57143.7/68



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 145.275+/-57.675 χ^2/NDF:6.4/17

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 116.650+/-50.525 χ^2/NDF:6.2/16

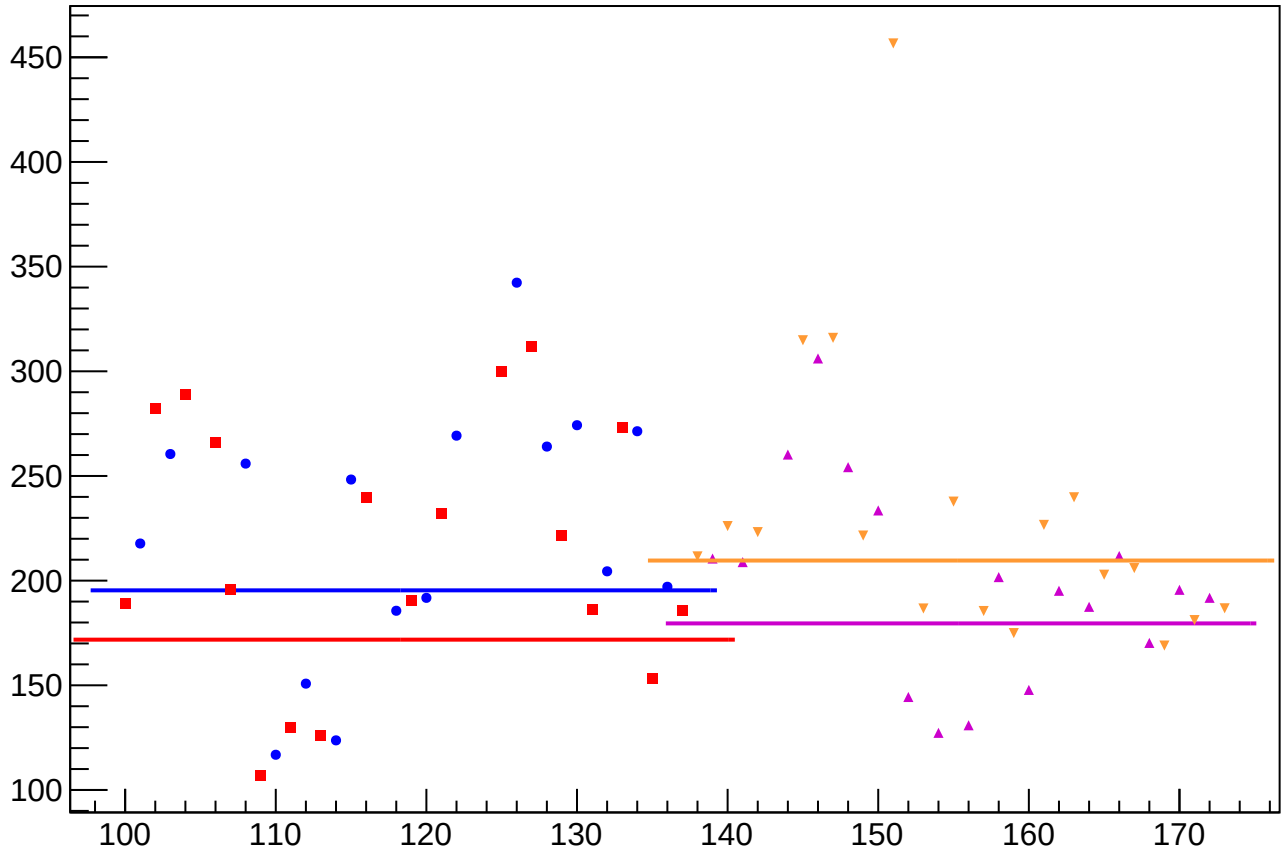
Left: 129.079+/-38.004 χ^2/NDF: 12.7/34

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 65.858+/-42.209 χ^2/NDF:24.9/32

Out: 27.904+/-44.222 χ^2/NDF:28.0/35

All: 47.764+/-30.533 χ^2/NDF: 53.3/68



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 209.602+/-0.041 χ^2/NDF:1176599.1/17

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 179.568+/-0.036 χ^2/NDF:1486804.9/16

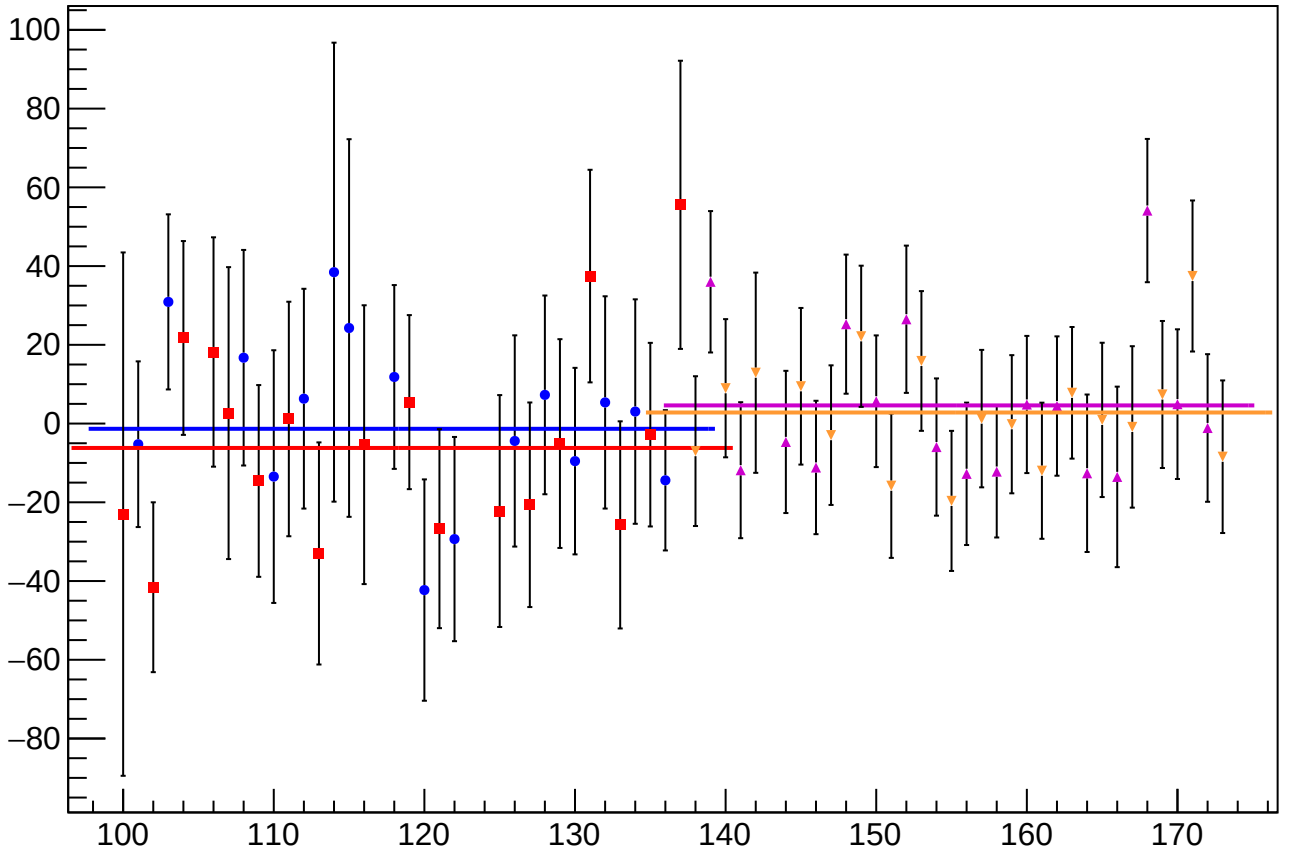
Left: 192.609+/-0.027 χ^2/NDF: 2970265.0/34

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 184.339+/-0.030 χ^2/NDF:2587264.2/32

Out: 194.026+/-0.031 χ^2/NDF:3131236.3/35

All: 188.957+/-0.022 χ^2/NDF: 5768723.4/68



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 2.810+/-4.370 χ^2/NDF:9.7/17

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 4.610+/-4.382 χ^2/NDF:19.0/16

Left: 3.708+/-3.094 χ^2/NDF: 28.7/34

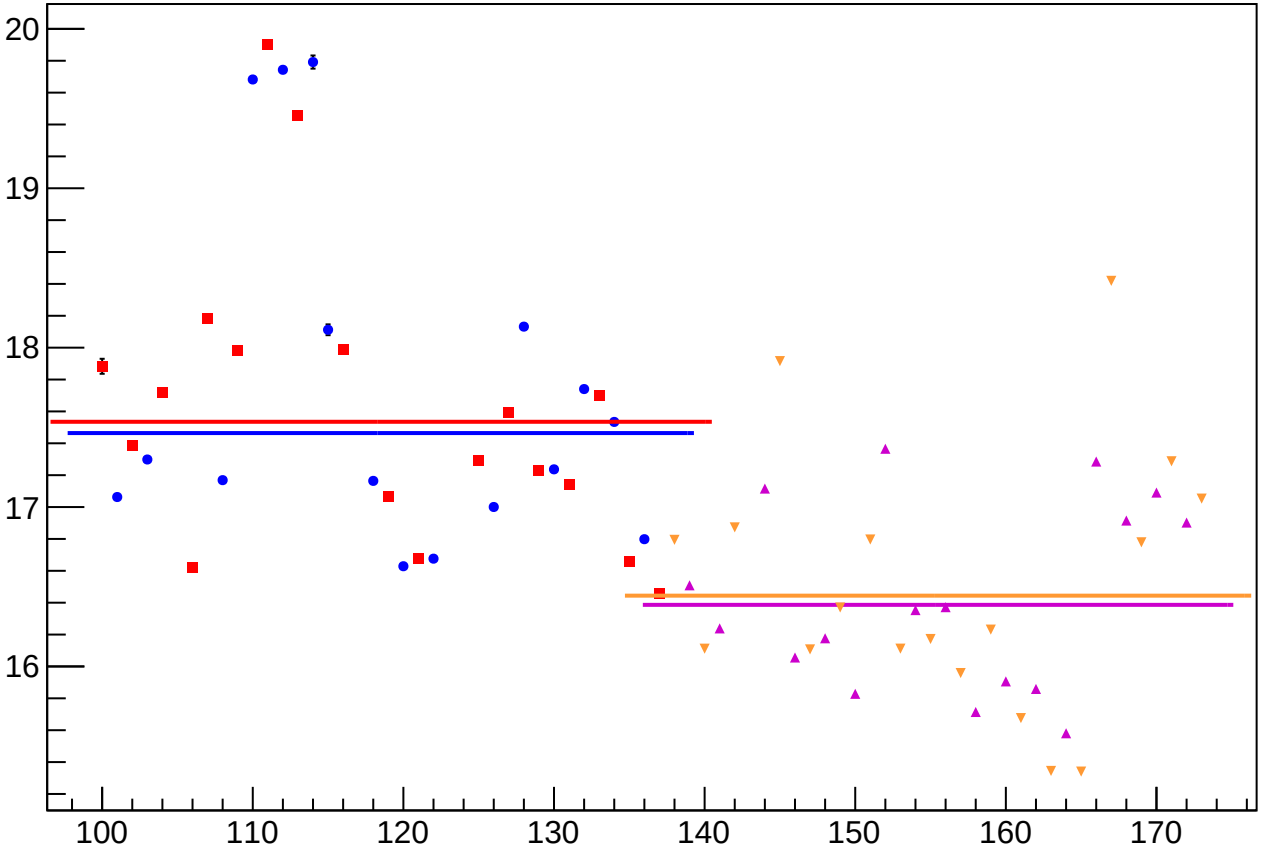
Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 2.753+/-3.633 χ^2/NDF:27.6/32

Out: -0.010+/-3.622 χ^2/NDF:24.4/35

All: 1.368+/-2.565 χ^2/NDF: 52.3/68

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: 16.444+/-0.003 χ^2/NDF:61391.1/17

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.386+/-0.003 χ^2/NDF:31055.8/16

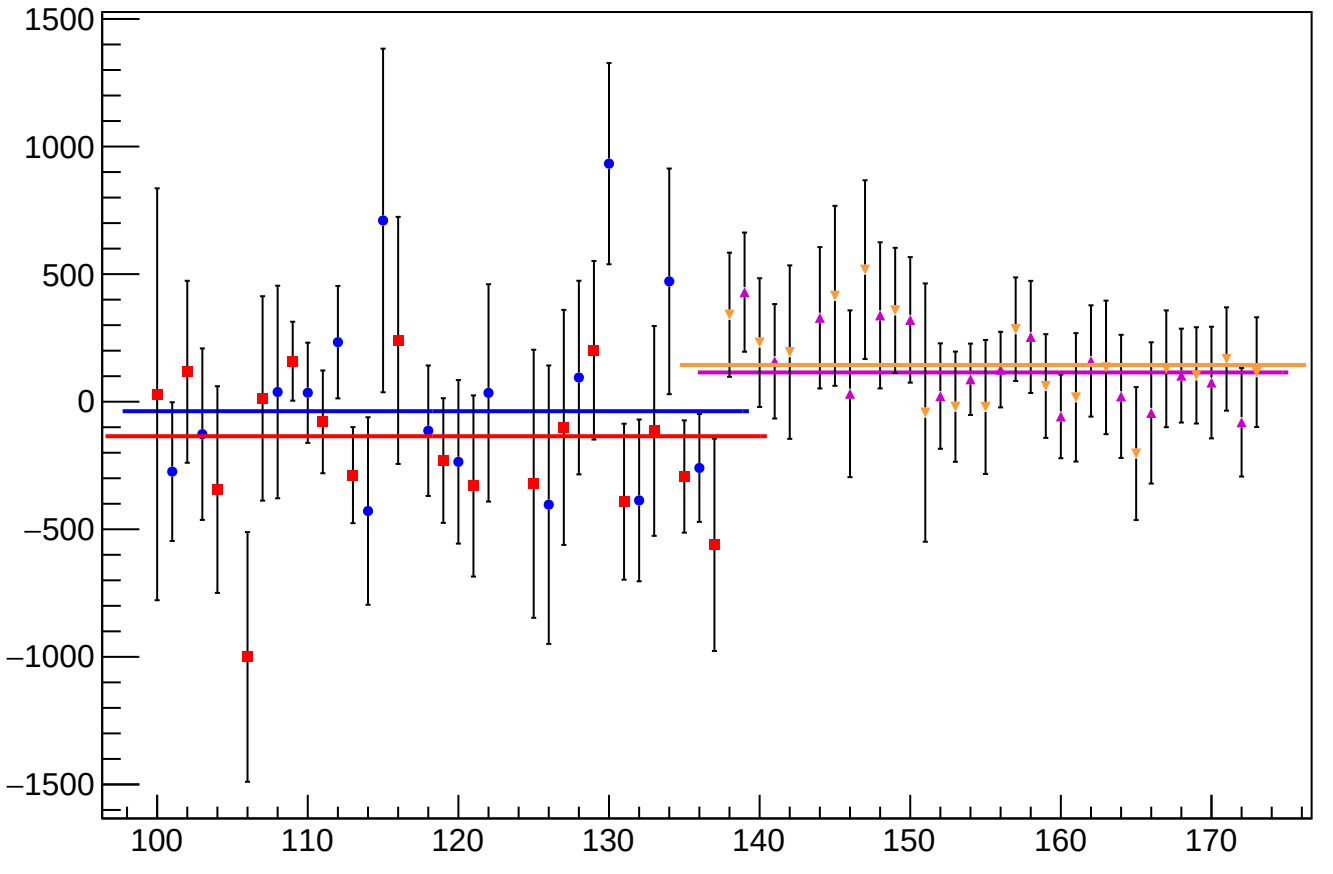
Left: 16.415+/-0.002 χ^2/NDF: 92621.0/34

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.723+/-0.003 χ^2/NDF:105520.2/32

Out: 16.786+/-0.003 χ^2/NDF:134885.0/35

All: 16.755+/-0.002 χ^2/NDF: 240701.4/68



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 143.936+/-57.665 χ^2/NDF:7.1/17

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 114.666+/-50.569 χ^2/NDF:7.0/16

Left: 127.390+/-38.020 χ^2/NDF: 14.3/34

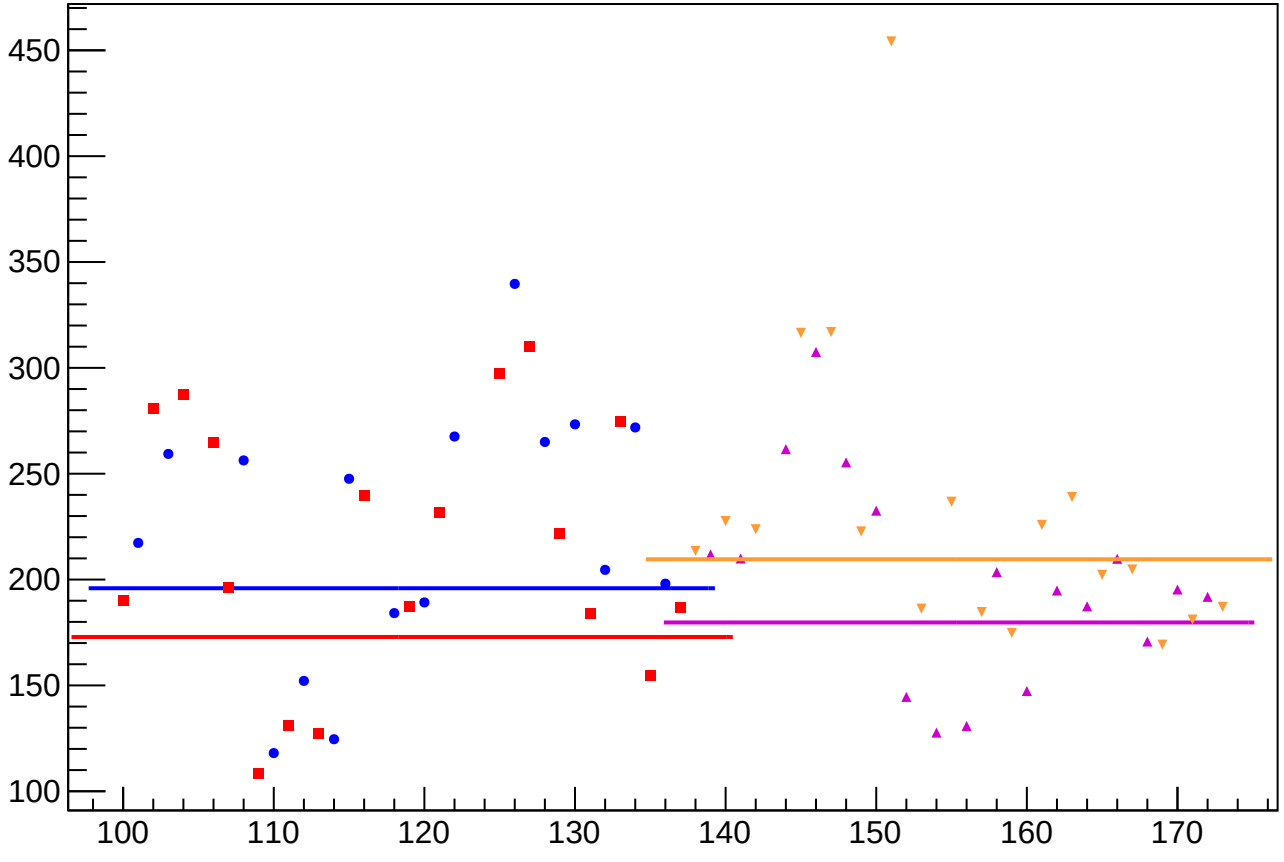
Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 68.820+/-42.254 χ^2/NDF:25.3/32

Out: 29.425+/-44.289 χ^2/NDF:29.6/35

All: 50.048+/-30.572 χ^2/NDF: 55.3/68

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: 209.580+/-0.041 χ^2/NDF:1181104.8/17

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 179.733+/-0.036 χ^2/NDF:1496361.7/16

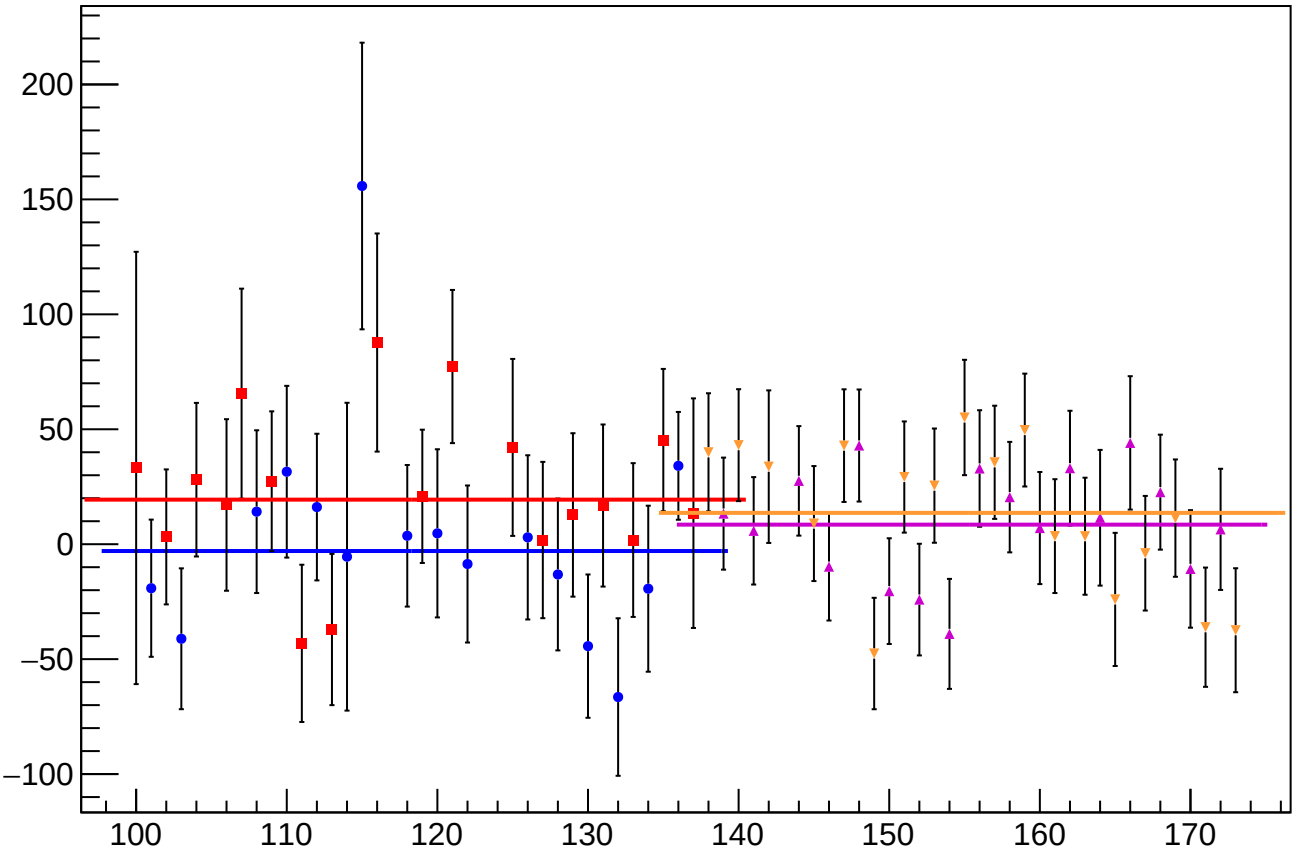
Left: 192.708+/-0.027 χ^2/NDF: 2980364.4/34

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 184.612+/-0.030 χ^2/NDF:2569069.1/32

Out: 194.526+/-0.031 χ^2/NDF:3056734.9/35

All: 189.336+/-0.022 χ^2/NDF: 5678267.9/68



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 13.630+/-6.011 χ^2/NDF:26.8/17

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 8.508+/-6.020 χ^2/NDF:15.2/16

Left: 11.073+/-4.254 χ^2/NDF: 42.4/34

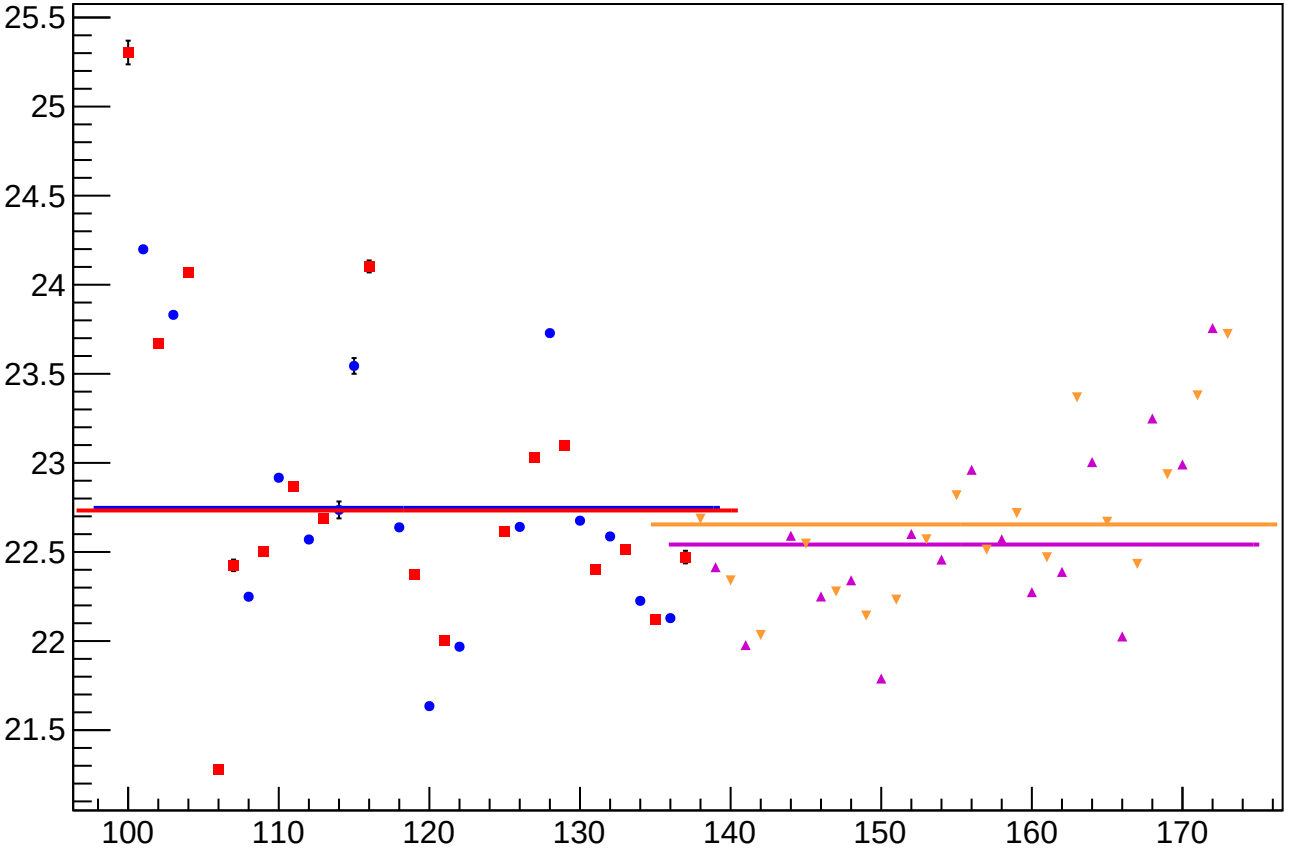
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 4.647+/-4.904 χ^2/NDF:34.3/32

Out: 15.585+/-4.885 χ^2/NDF:41.7/35

All: 10.137+/-3.461 χ^2/NDF: 78.5/68

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: 22.654+/-0.004 χ^2/NDF:10017.1/17

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.542+/-0.004 χ^2/NDF:12311.8/16

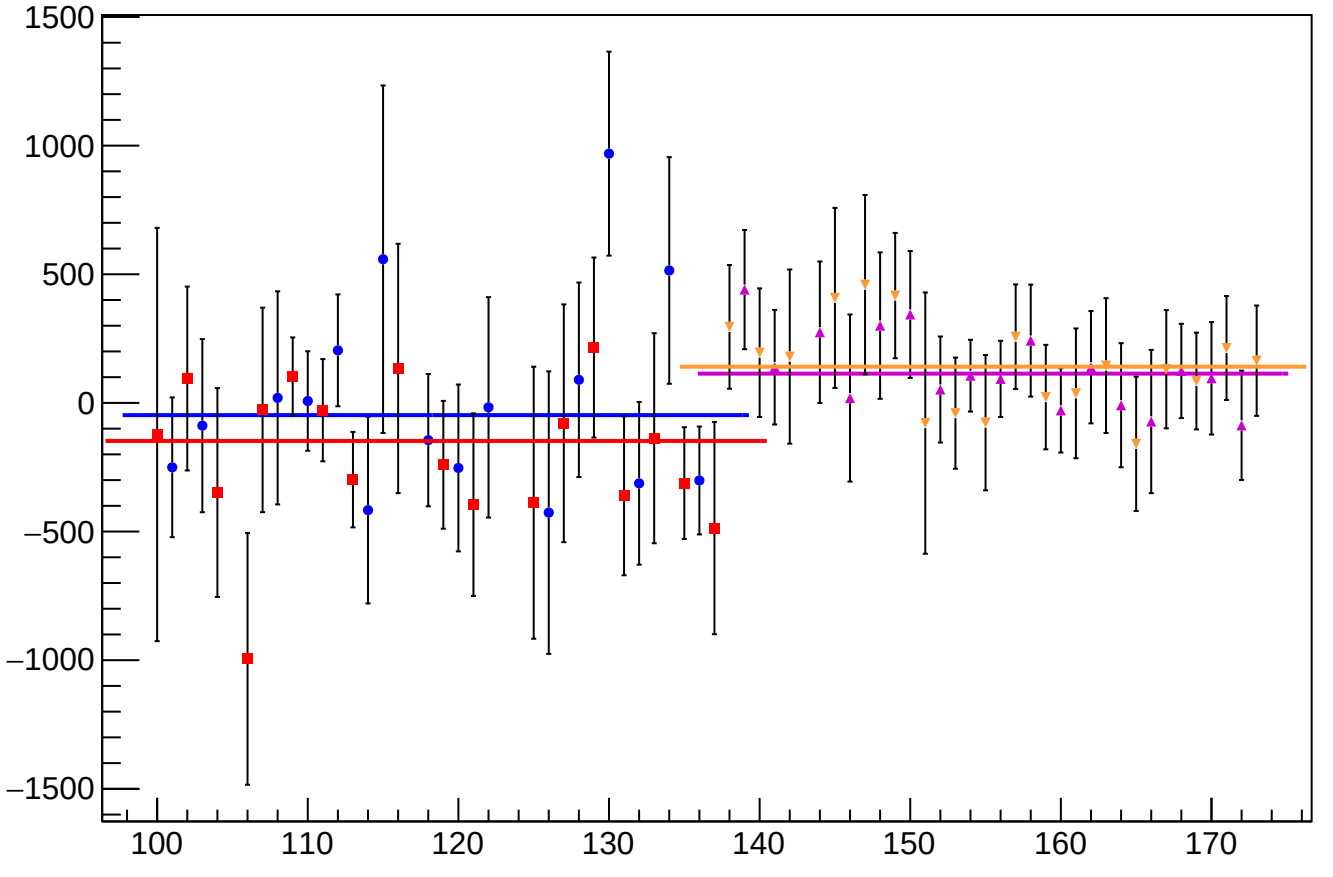
Left: 22.598+/-0.003 χ^2/NDF: 22680.0/34

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.611+/-0.003 χ^2/NDF:27720.3/32

Out: 22.681+/-0.003 χ^2/NDF:24522.4/35

All: 22.646+/-0.002 χ^2/NDF: 52448.2/68



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 140.764+/-57.550 χ^2/NDF:7.1/17

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 113.826+/-50.427 χ^2/NDF:6.6/16

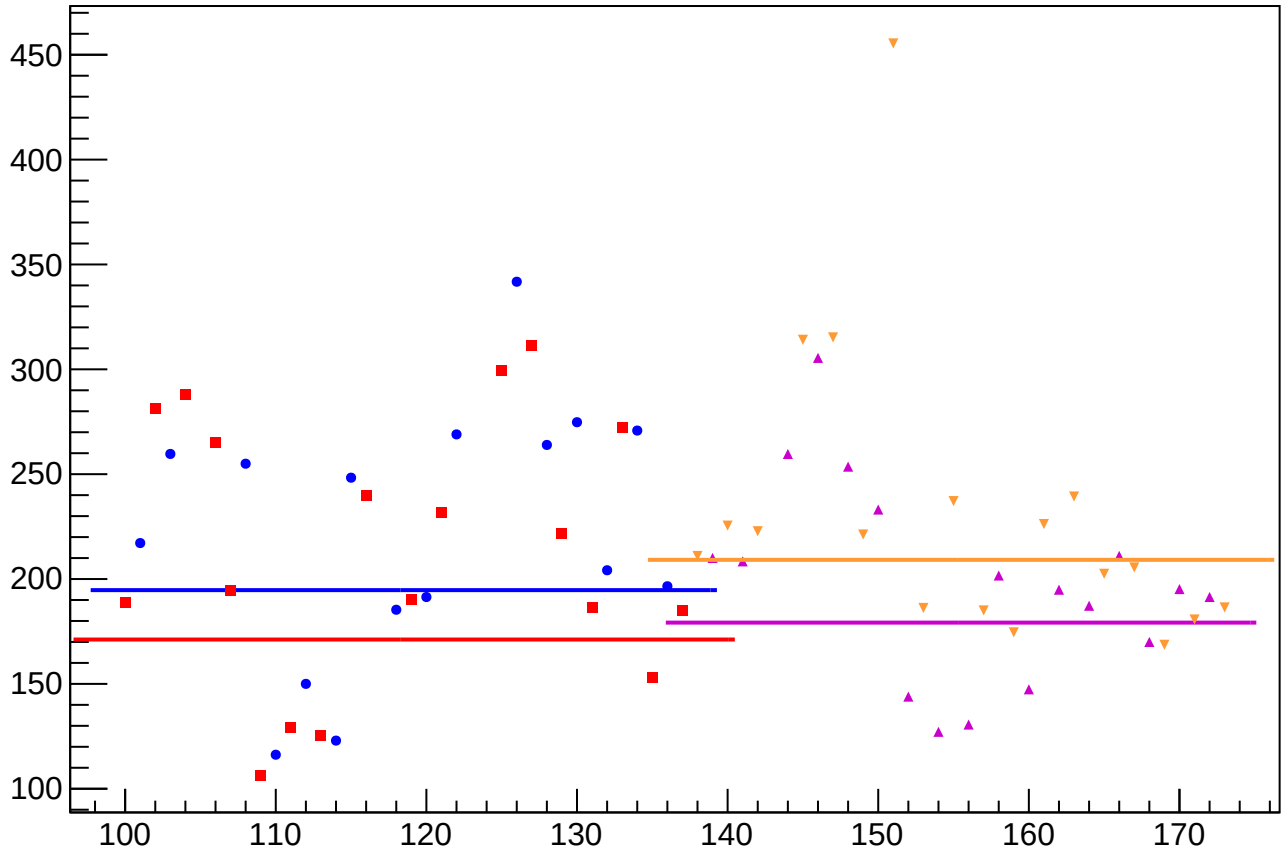
Left: 125.526+/-37.927 χ^2/NDF: 13.8/34

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 65.017+/-42.115 χ^2/NDF:25.1/32

Out: 21.683+/-44.105 χ^2/NDF:29.0/35

All: 44.350+/-30.459 χ^2/NDF: 54.6/68



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 209.152+/-0.041 χ^2/NDF:1176074.5/17

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 179.222+/-0.036 χ^2/NDF:1486651.8/16

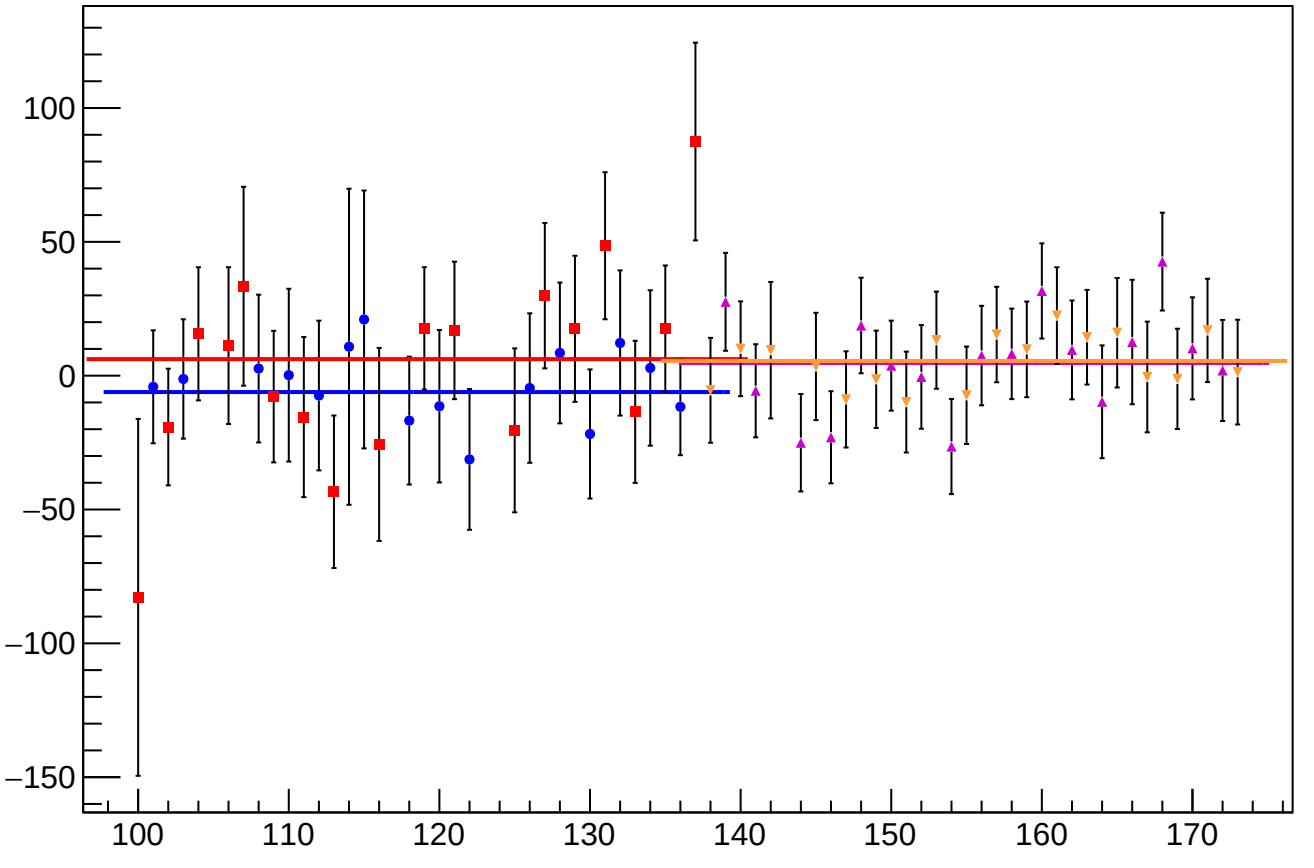
Left: 192.221+/-0.027 χ^2/NDF: 2968727.7/34

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 183.906+/-0.030 χ^2/NDF:2596000.2/32

Out: 193.473+/-0.031 χ^2/NDF:3147746.4/35

All: 188.469+/-0.022 χ^2/NDF: 5792963.4/68



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.507+/-4.462 χ^2/NDF:4.9/17

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: 4.750+/-4.457 χ^2/NDF:18.4/16

Left: 5.128+/-3.153 χ^2/NDF: 23.3/34

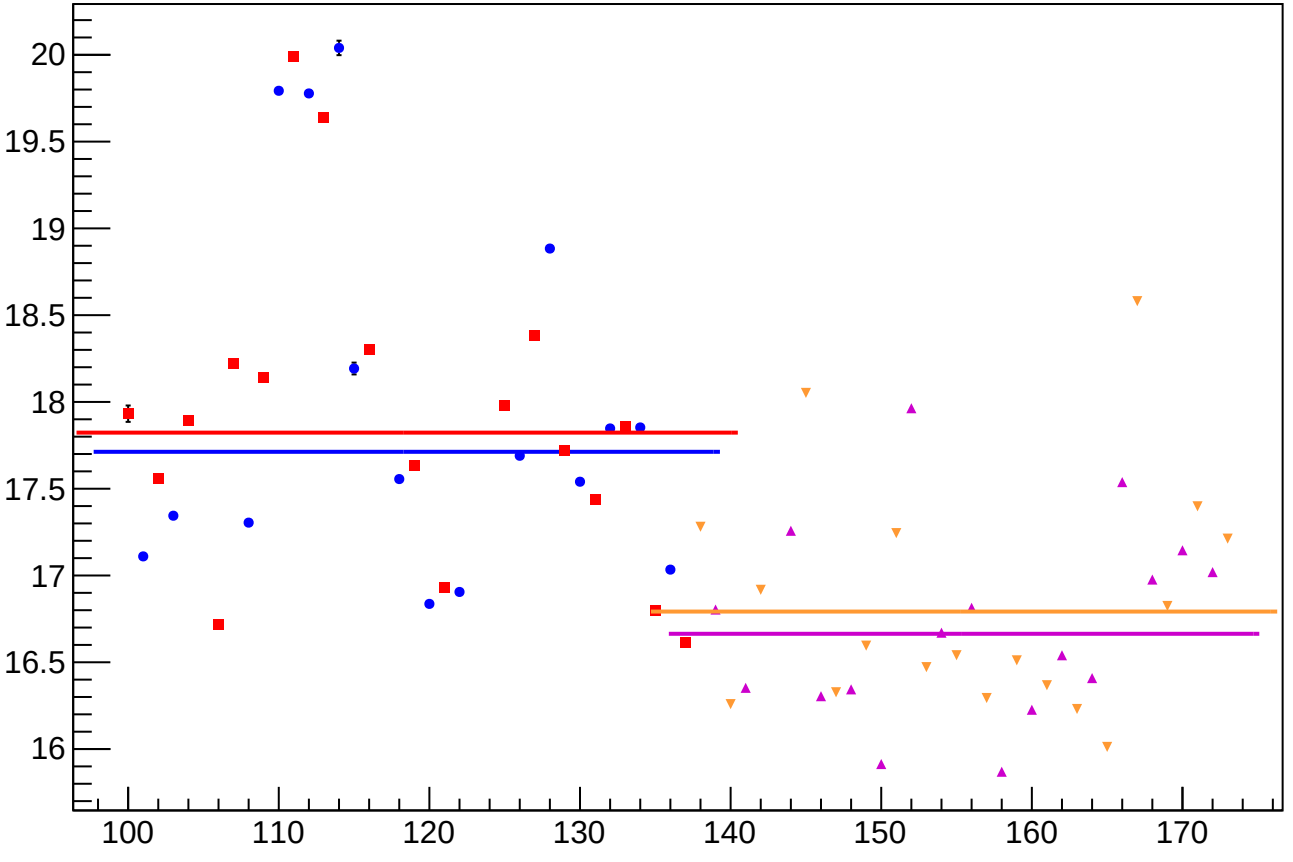
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: 1.340+/-3.692 χ^2/NDF:23.4/32

Out: 5.723+/-3.693 χ^2/NDF:23.5/35

All: 3.531+/-2.611 χ^2/NDF: 47.6/68

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: 16.792+/-0.003 χ^2/NDF:40668.1/17

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.664+/-0.003 χ^2/NDF:28926.5/16

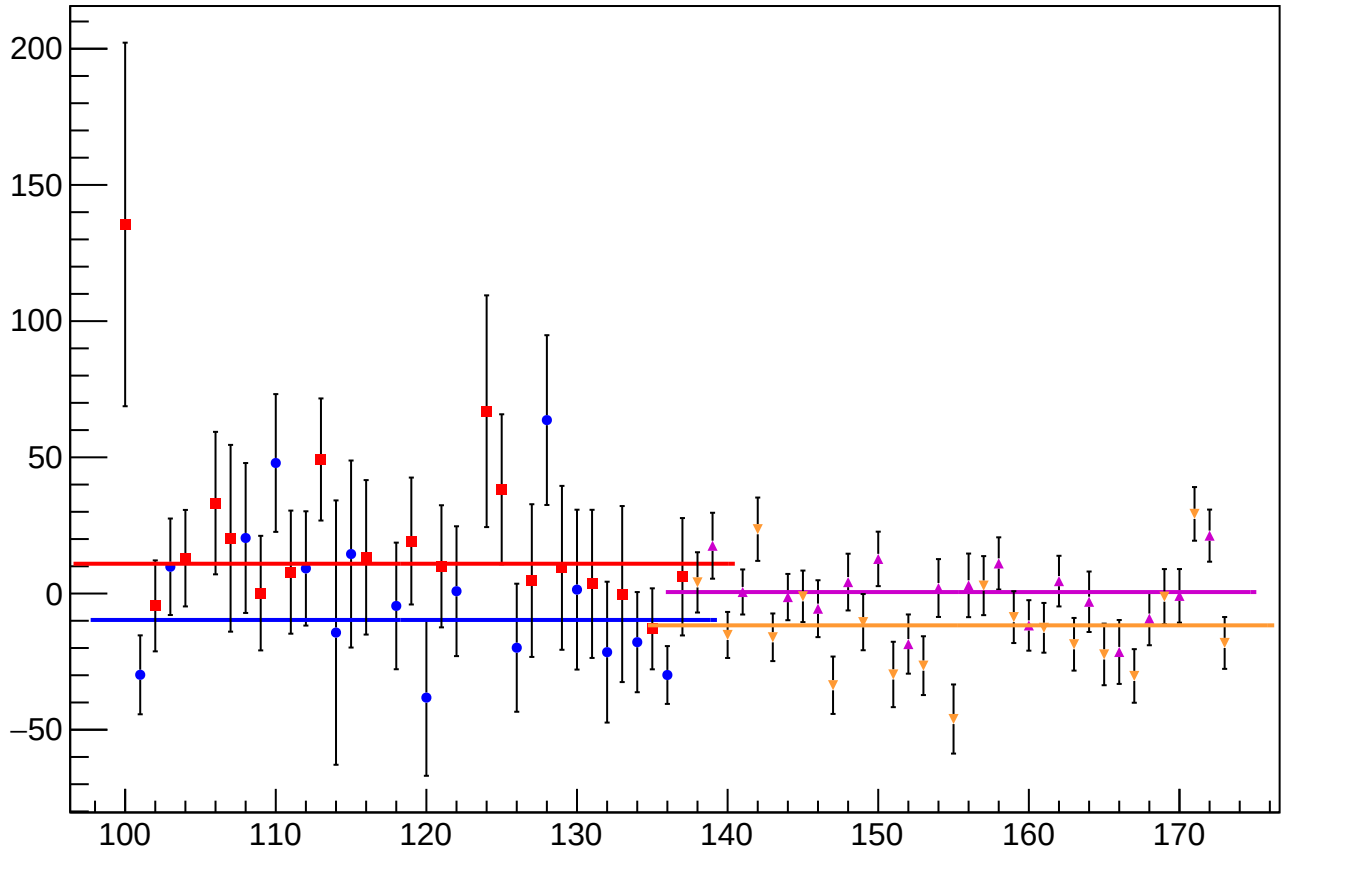
Left: 16.728+/-0.002 χ^2/NDF: 70419.7/34

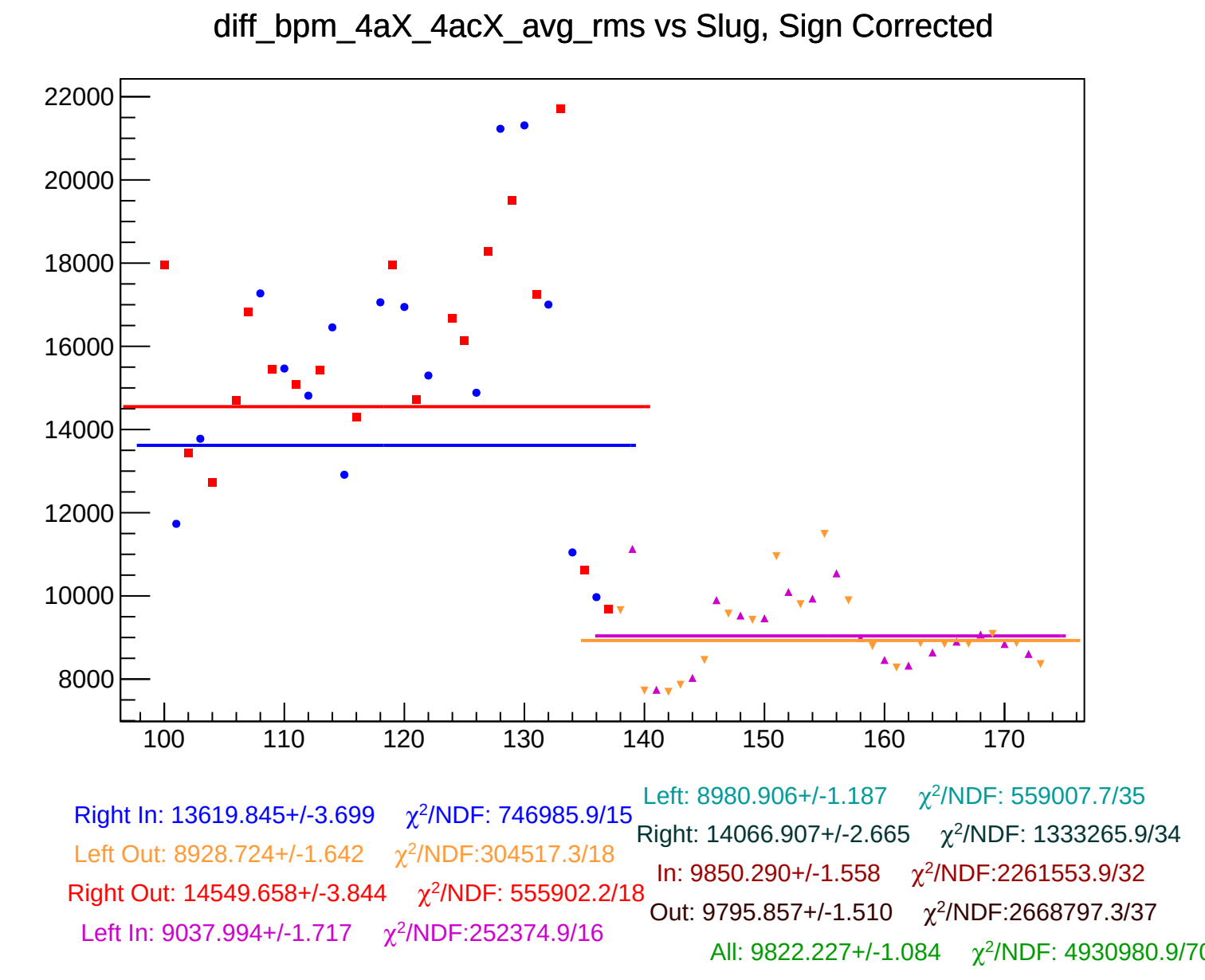
Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

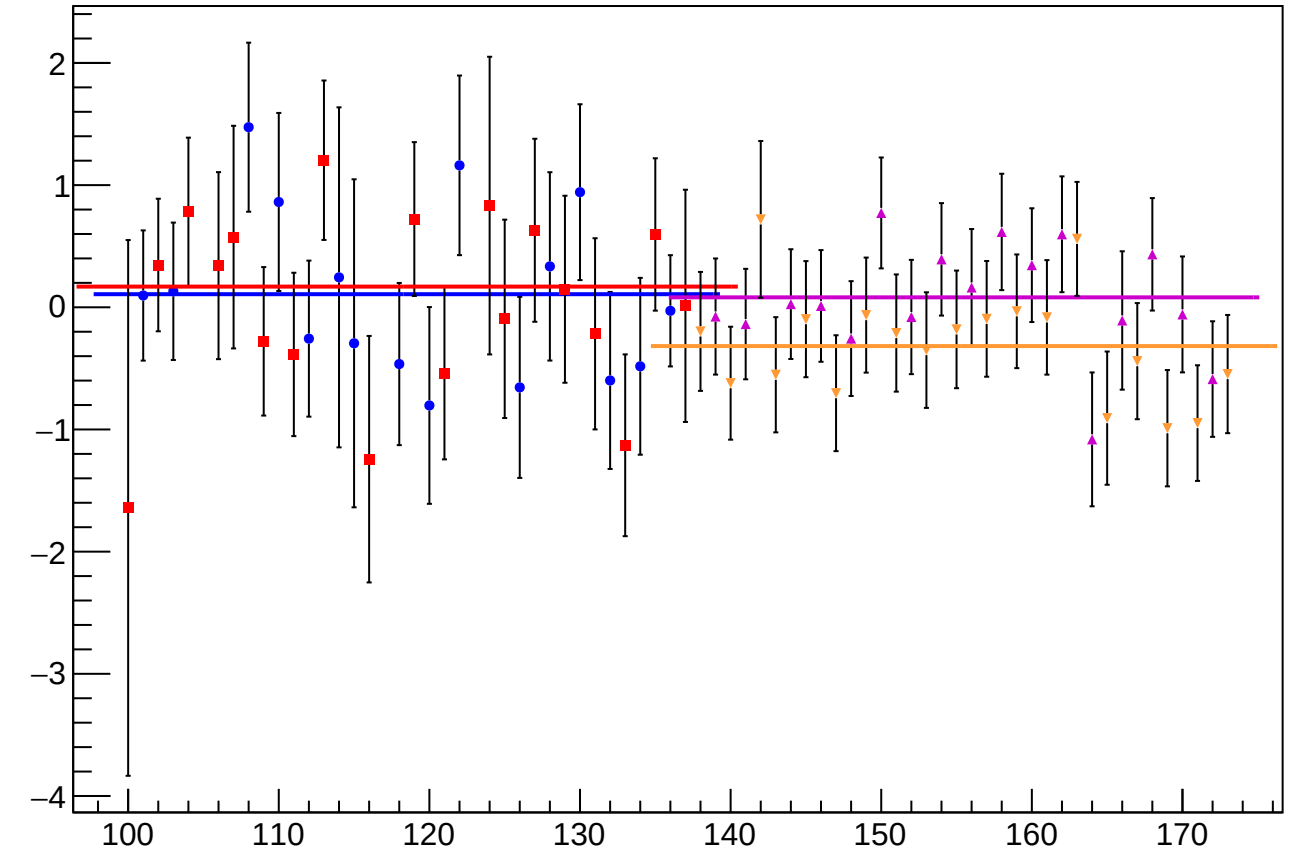
In: 16.993+/-0.003 χ^2/NDF:99635.3/32

Out: 17.117+/-0.003 χ^2/NDF:106802.5/35

All: 17.055+/-0.002 χ^2/NDF: 207563.7/68


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
Right In: -9.702+/-5.231 χ²/NDF: 22.0/15
Left Out: -11.681+/-2.322 χ²/NDF:54.5/18
Right Out: 10.938+/-5.436 χ²/NDF: 14.1/18
Left In: 0.538+/-2.428 χ²/NDF:19.6/16
Left: -5.846+/-1.678 χ²/NDF: 87.3/35
Right: 0.222+/-3.769 χ²/NDF: 43.6/34
In: -1.278+/-2.203 χ²/NDF:44.7/32
Out: -8.192+/-2.135 χ²/NDF:83.2/37
All: -4.842+/-1.533 χ²/NDF: 133.0/70


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
170
Right In: 13619.845+/-3.699 χ²/NDF: 746985.9/15
Left Out: 8928.724+/-1.642 χ²/NDF:304517.3/18
Right Out: 14549.658+/-3.844 χ²/NDF: 555902.2/18
Left In: 9037.994+/-1.717 χ²/NDF:252374.9/16
Left: 8980.906+/-1.187 χ²/NDF: 559007.7/35
Right: 14066.907+/-2.665 χ²/NDF: 1333265.9/34
In: 9850.290+/-1.558 χ²/NDF:2261553.9/32
Out: 9795.857+/-1.510 χ²/NDF:2668797.3/37
All: 9822.227+/-1.084 χ²/NDF: 4930980.9/70



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.318+/-0.111 χ^2/NDF:14.3/18

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: 0.081+/-0.115 χ^2/NDF:13.9/16

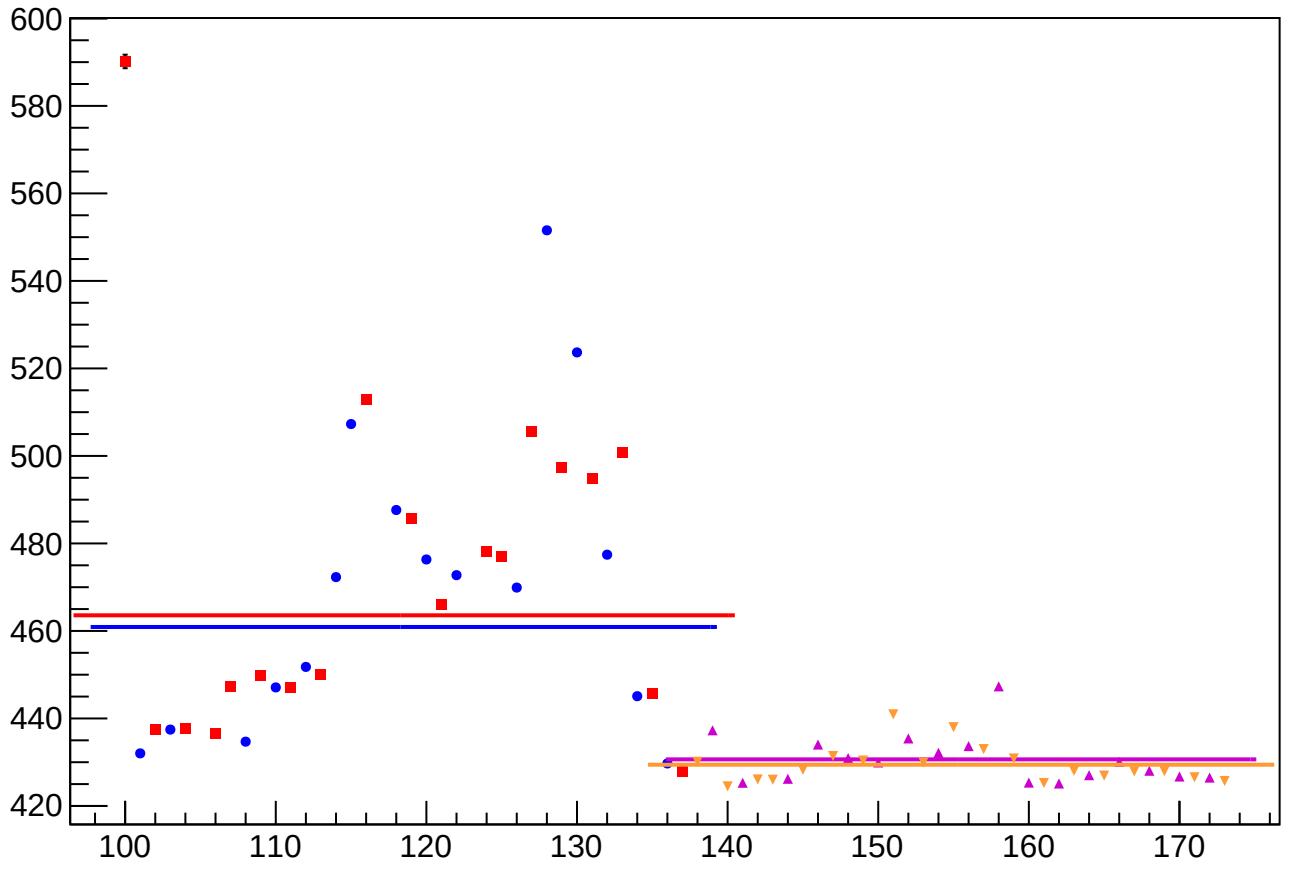
Left: -0.126+/-0.080 χ^2/NDF: 34.4/35

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.089+/-0.096 χ^2/NDF:27.6/32

Out: -0.172+/-0.093 χ^2/NDF:34.2/37

All: -0.045+/-0.067 χ^2/NDF: 65.6/70



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 429.425+/-0.078 χ^2/NDF:2821.9/18

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 430.652+/-0.081 χ^2/NDF:4722.7/16

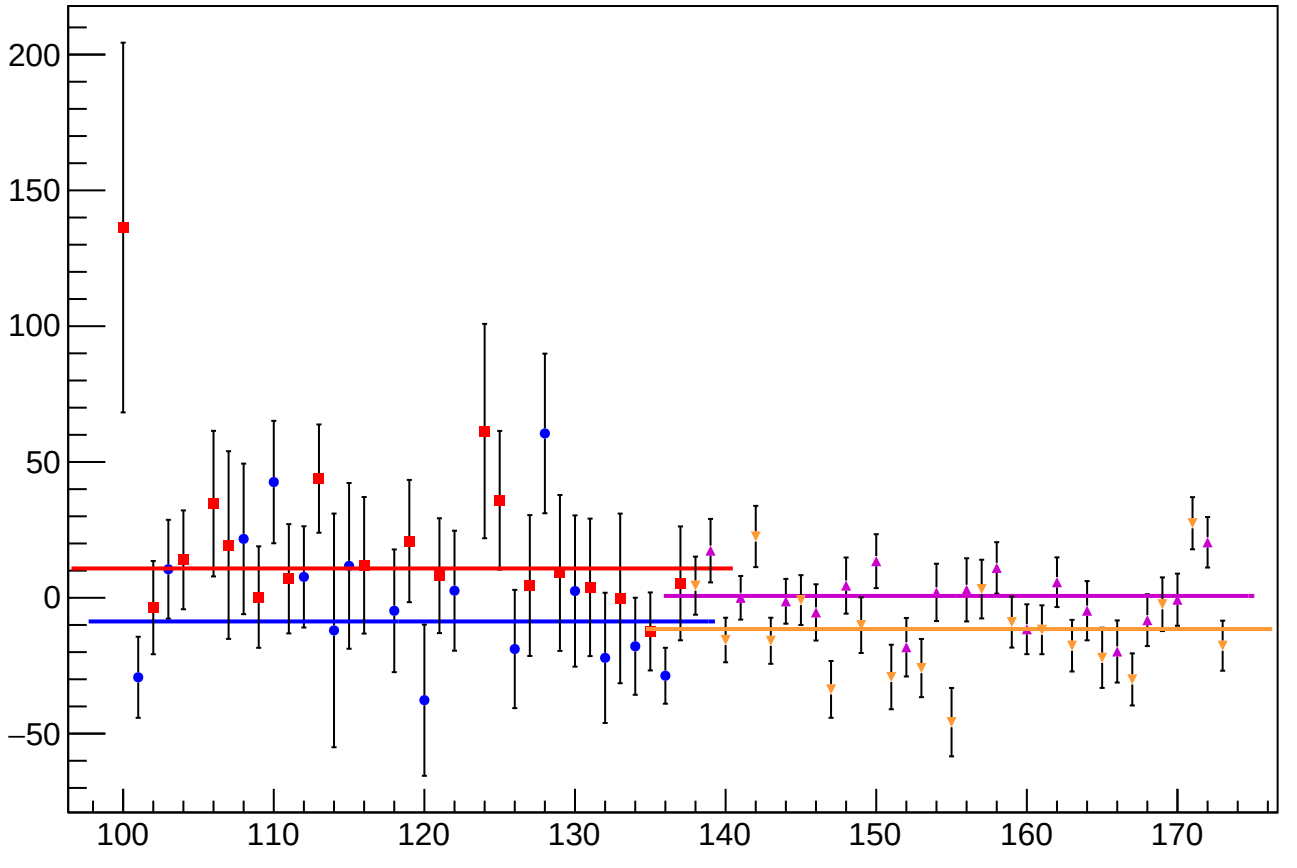
Left: 430.016+/-0.056 χ^2/NDF: 7662.7/35

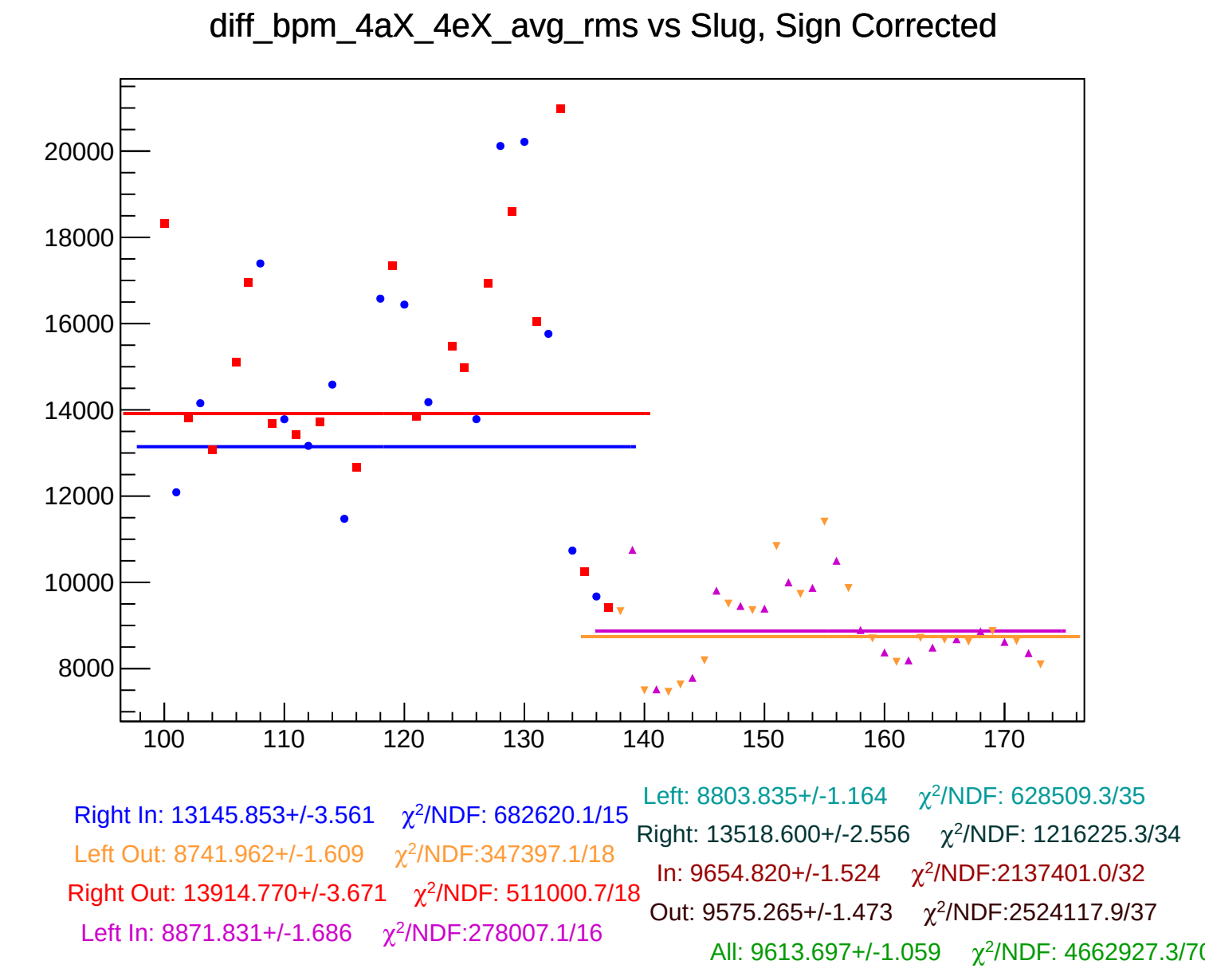
Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

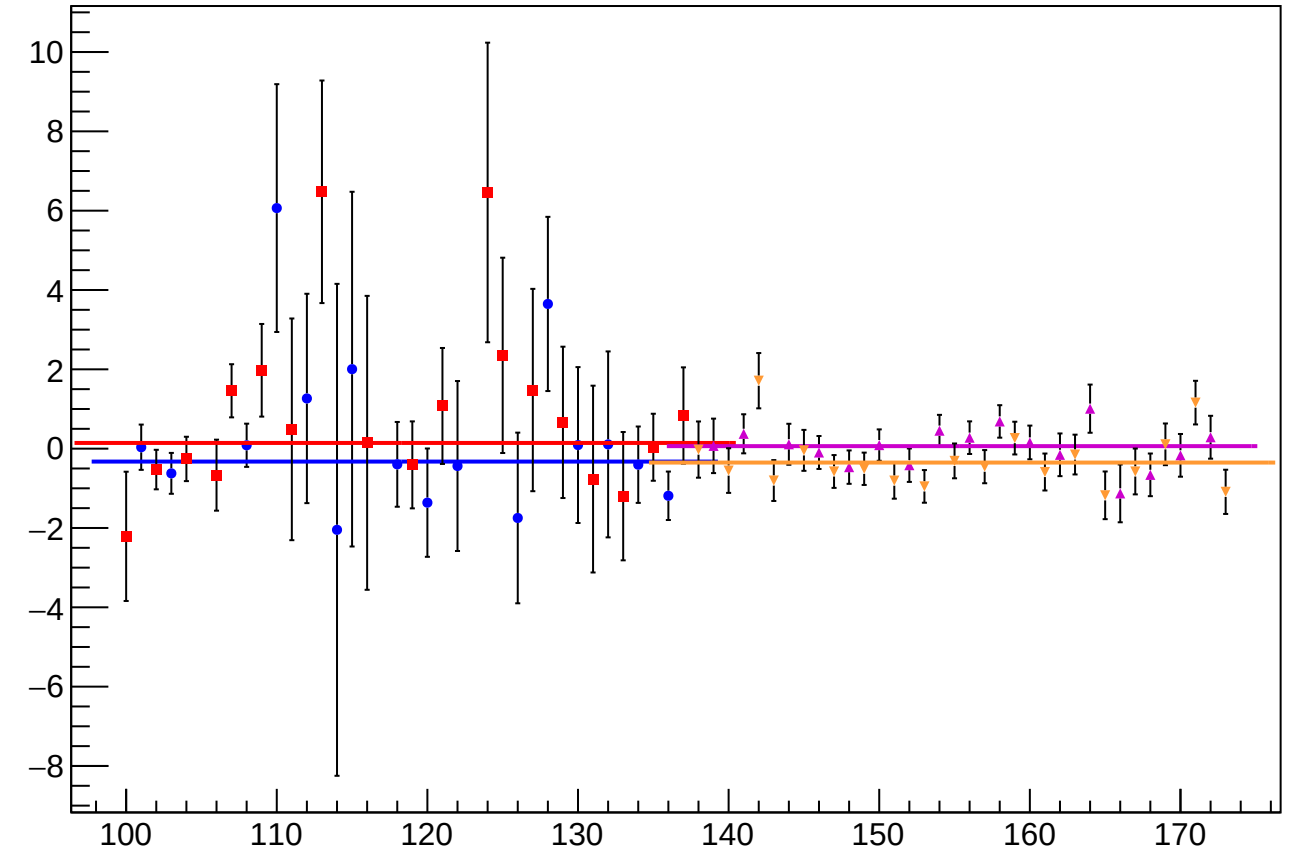
In: 440.016+/-0.068 χ^2/NDF:122524.4/32

Out: 439.648+/-0.066 χ^2/NDF:111912.1/37

All: 439.827+/-0.047 χ^2/NDF: 234451.9/70


diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
Right In: -8.707+/-5.036 χ²/NDF: 22.3/15
Left Out: -11.502+/-2.275 χ²/NDF:53.9/18
Right Out: 10.807+/-5.192 χ²/NDF: 13.9/18
Left In: 0.690+/-2.385 χ²/NDF:19.5/16
Left: -5.693+/-1.646 χ²/NDF: 87.1/35
Right: 0.753+/-3.615 χ²/NDF: 43.4/34
In: -1.032+/-2.155 χ²/NDF:44.6/32
Out: -7.908+/-2.084 χ²/NDF:83.3/37
All: -4.586+/-1.498 χ²/NDF: 133.2/70


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 13145.853+/-3.561 χ²/NDF: 682620.1/15
Left Out: 8741.962+/-1.609 χ²/NDF:347397.1/18
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8871.831+/-1.686 χ²/NDF:278007.1/16
Left: 8803.835+/-1.164 χ²/NDF: 628509.3/35
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 9654.820+/-1.524 χ²/NDF:2137401.0/32
Out: 9575.265+/-1.473 χ²/NDF:2524117.9/37
All: 9613.697+/-1.059 χ²/NDF: 4662927.3/70



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.351+/-0.113 χ^2/NDF:28.6/18

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.063+/-0.115 χ^2/NDF:14.5/16

Left: -0.148+/-0.081 χ^2/NDF: 49.7/35

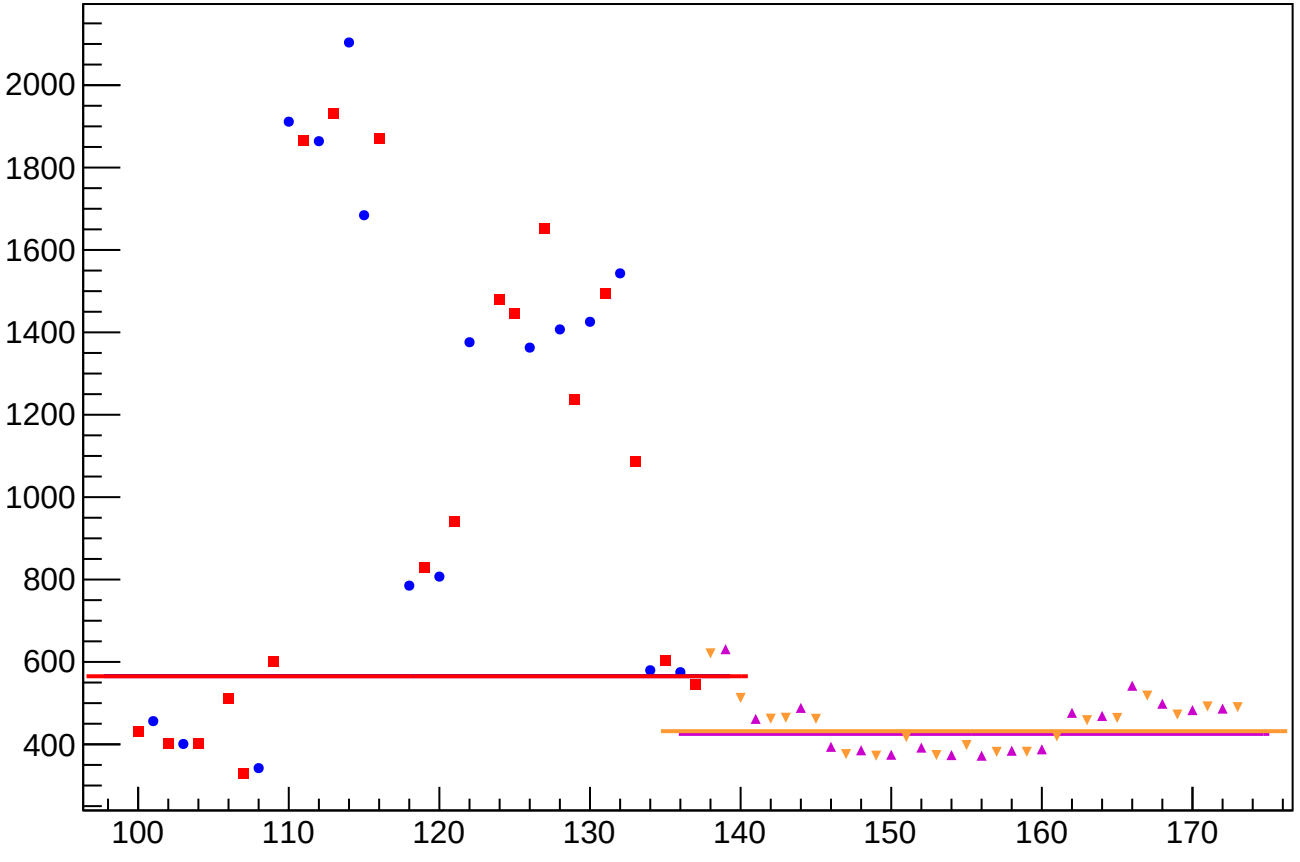
Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: -0.007+/-0.104 χ^2/NDF:29.1/32

Out: -0.264+/-0.102 χ^2/NDF:54.5/37

All: -0.138+/-0.073 χ^2/NDF: 86.7/70

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 431.950+/-0.080 χ^2/NDF:507165.1/18

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 425.345+/-0.081 χ^2/NDF:562240.5/16

Left: 428.714+/-0.057 χ^2/NDF: 1072766.3/35

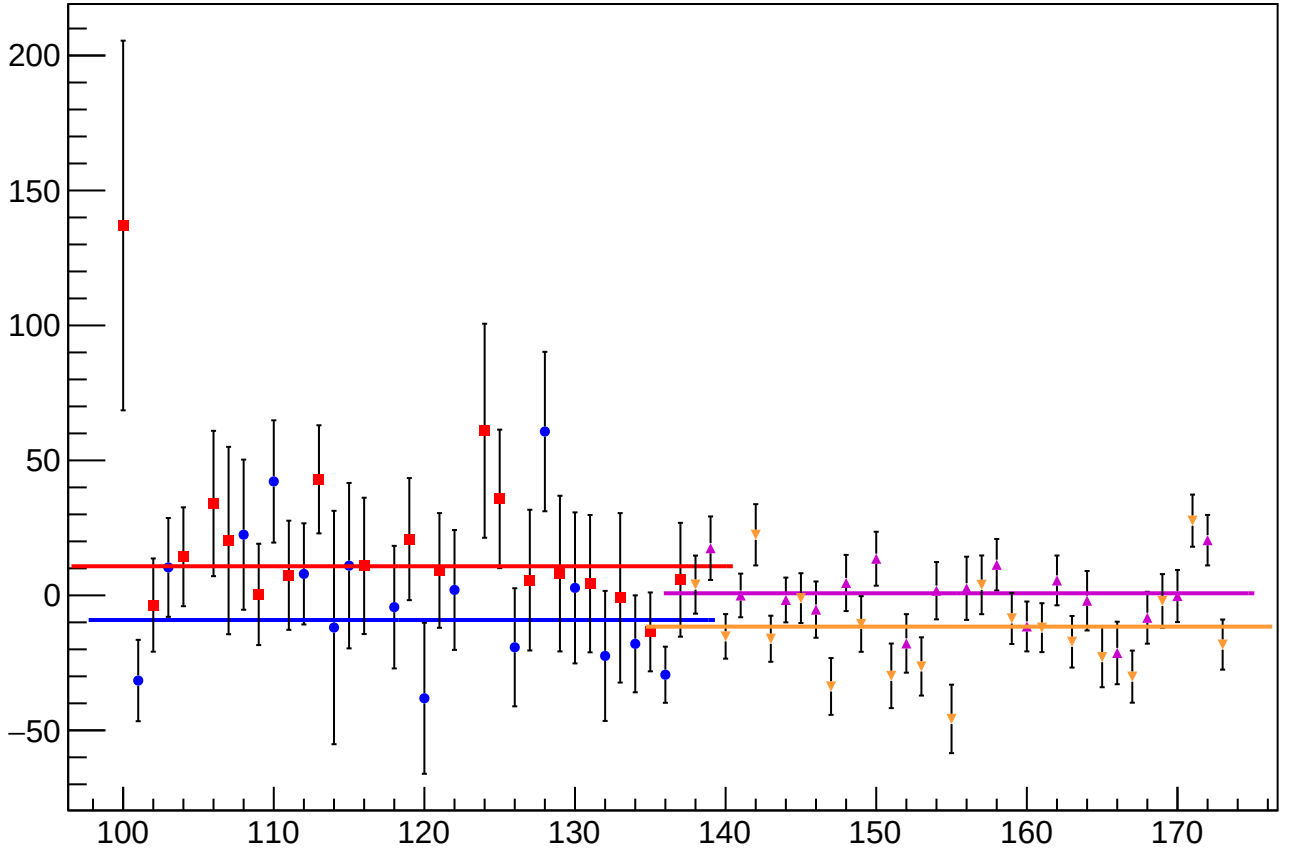
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 450.829+/-0.074 χ^2/NDF:4552380.8/32

Out: 455.358+/-0.072 χ^2/NDF:4569175.8/37

All: 453.130+/-0.052 χ^2/NDF: 9123480.6/70

diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -11.583+/-2.290 χ^2/NDF:53.9/18

Right Out: 10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: 0.773+/-2.402 χ^2/NDF:19.5/16

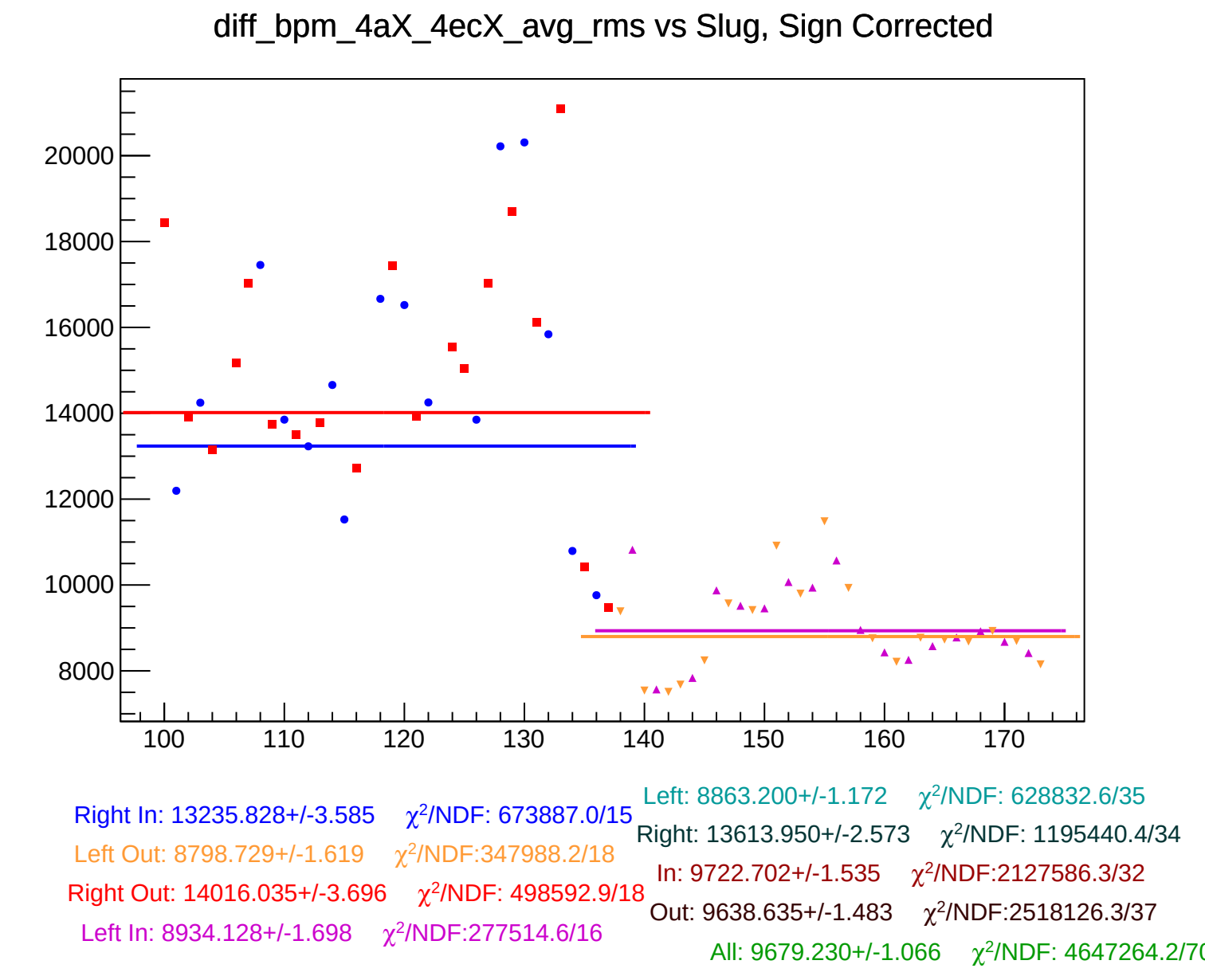
Left: -5.700+/-1.657 χ^2/NDF: 87.3/35

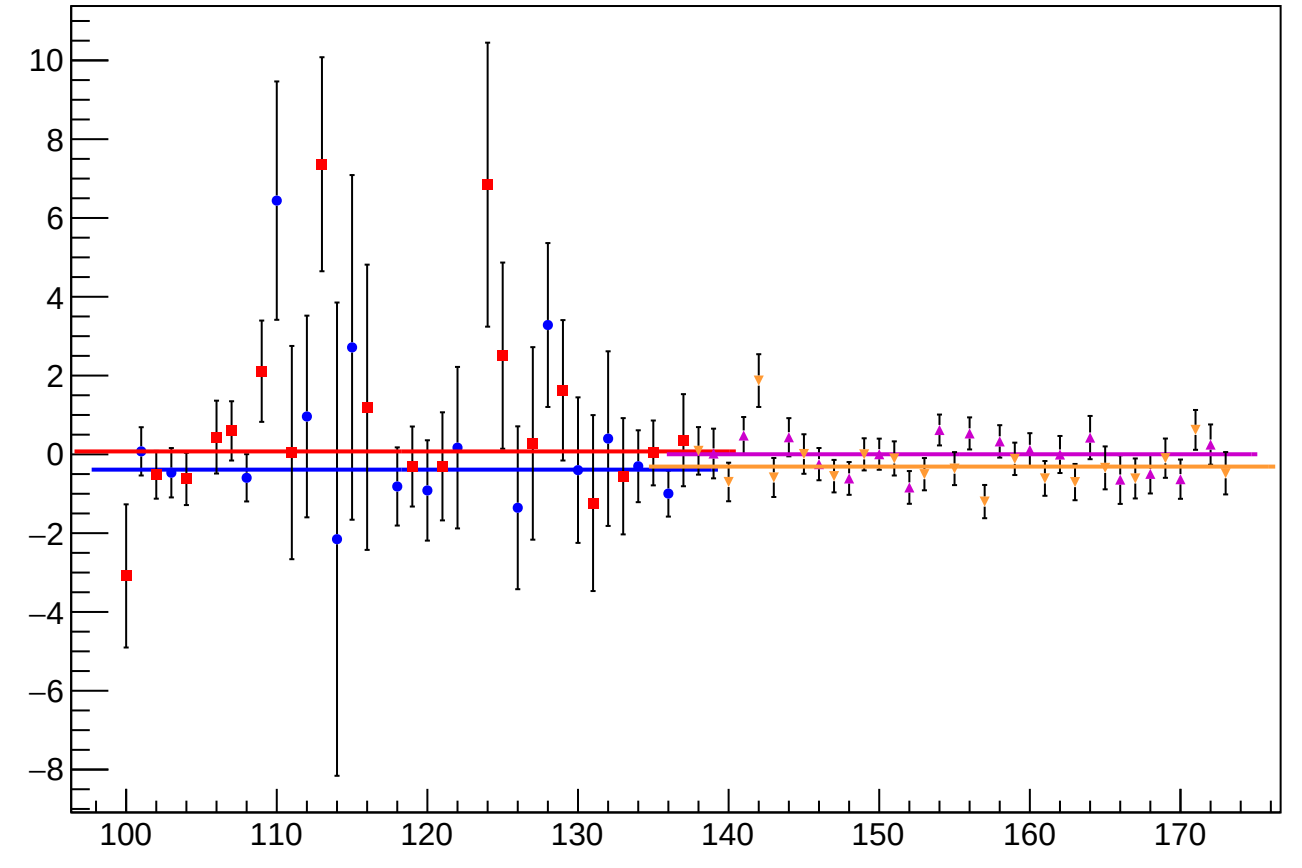
Right: 0.523+/-3.639 χ^2/NDF: 43.9/34

In: -1.042+/-2.170 χ^2/NDF:45.4/32

Out: -7.982+/-2.097 χ^2/NDF:83.0/37

All: -4.631+/-1.508 χ^2/NDF: 133.6/70


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 8798.729+/-1.619 χ²/NDF:347988.2/18
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 8934.128+/-1.698 χ²/NDF:277514.6/16
Left: 8863.200+/-1.172 χ²/NDF: 628832.6/35
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 9722.702+/-1.535 χ²/NDF:2127586.3/32
Out: 9638.635+/-1.483 χ²/NDF:2518126.3/37
All: 9679.230+/-1.066 χ²/NDF: 4647264.2/70



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.310+/-0.108 χ^2/NDF:23.7/18

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: 0.003+/-0.111 χ^2/NDF:17.9/16

Left: -0.158+/-0.077 χ^2/NDF: 45.6/35

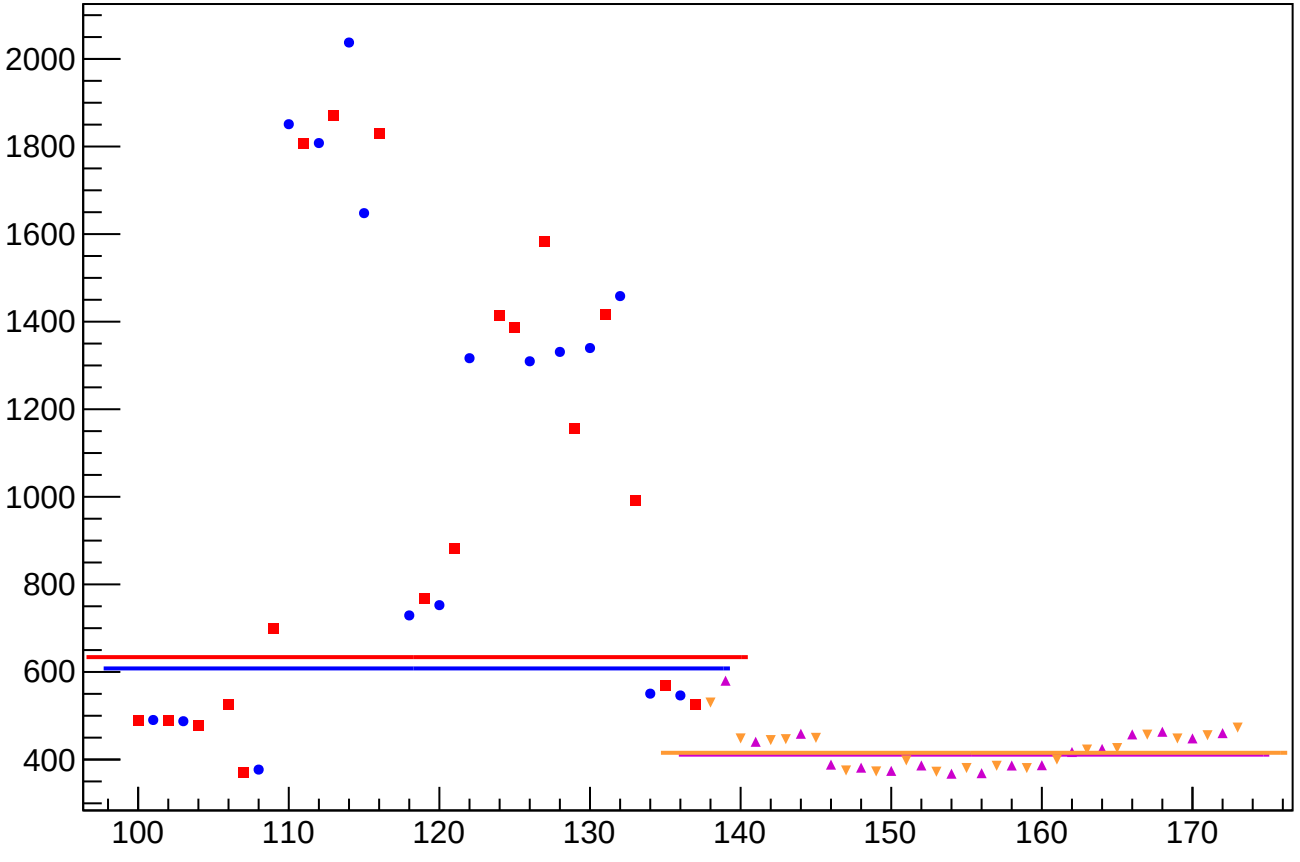
Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.059+/-0.102 χ^2/NDF:31.5/32

Out: -0.256+/-0.100 χ^2/NDF:47.2/37

All: -0.159+/-0.071 χ^2/NDF: 80.6/70

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 415.414+/-0.076 χ^2/NDF:267982.0/18

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 411.132+/-0.078 χ^2/NDF:335957.9/16

Left: 413.331+/-0.055 χ^2/NDF: 605476.8/35

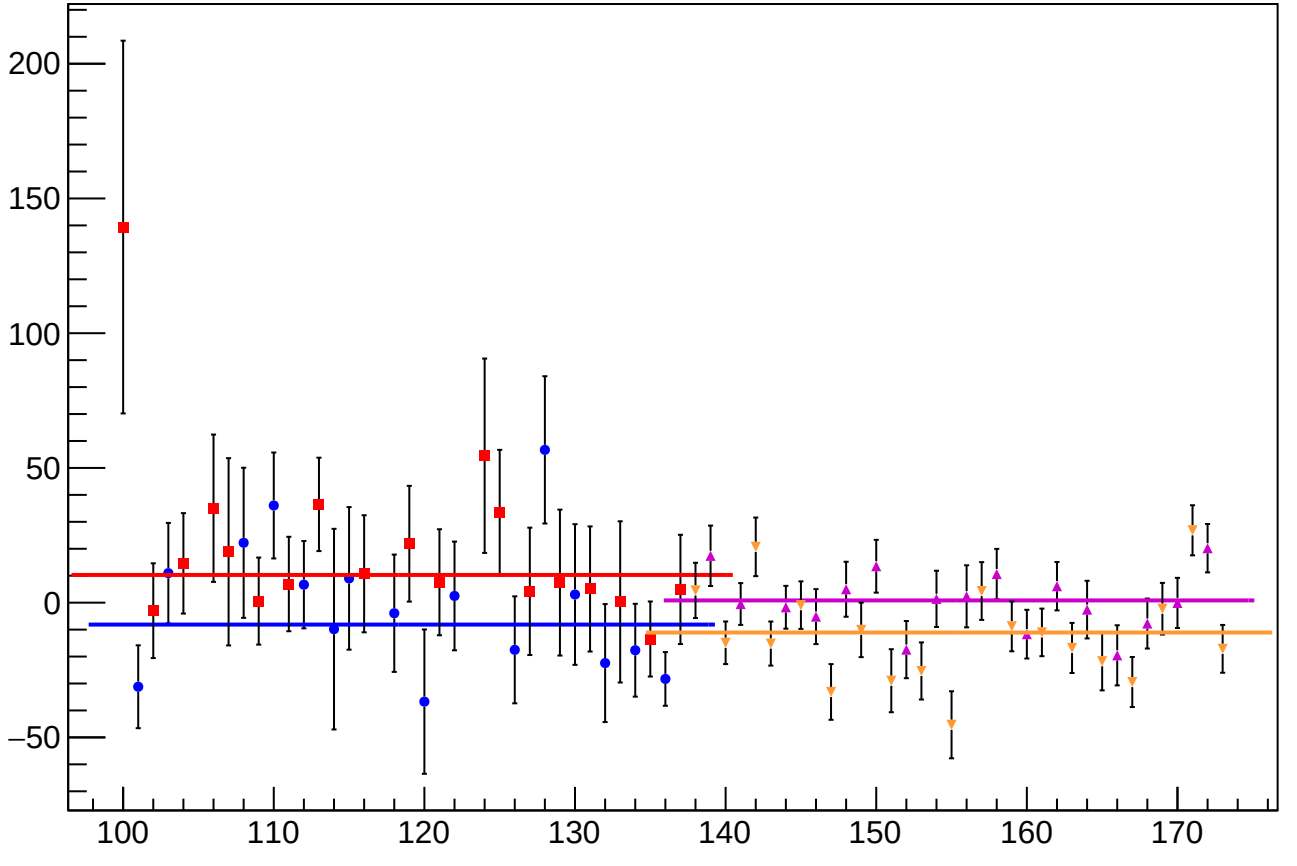
Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 442.206+/-0.072 χ^2/NDF:4187777.6/32

Out: 446.508+/-0.071 χ^2/NDF:4226502.6/37

All: 444.395+/-0.050 χ^2/NDF: 8416105.2/70

diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -8.132+/-4.779 χ^2/NDF: 23.1/15

Left Out: -11.085+/-2.216 χ^2/NDF:54.4/18

Right Out: 10.288+/-4.873 χ^2/NDF: 13.7/18

Left In: 0.831+/-2.330 χ^2/NDF:19.8/16

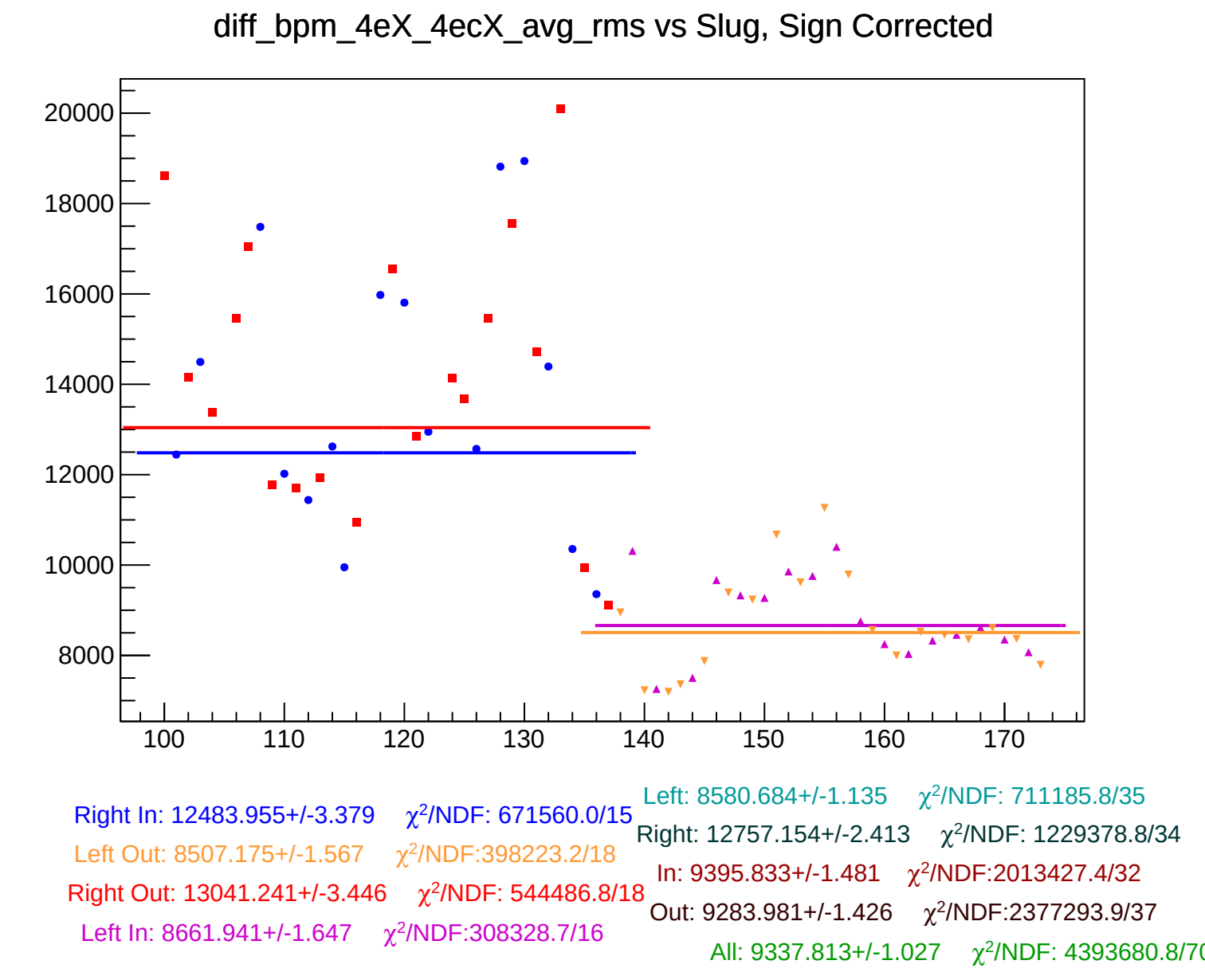
Left: -5.425+/-1.606 χ^2/NDF: 87.9/35

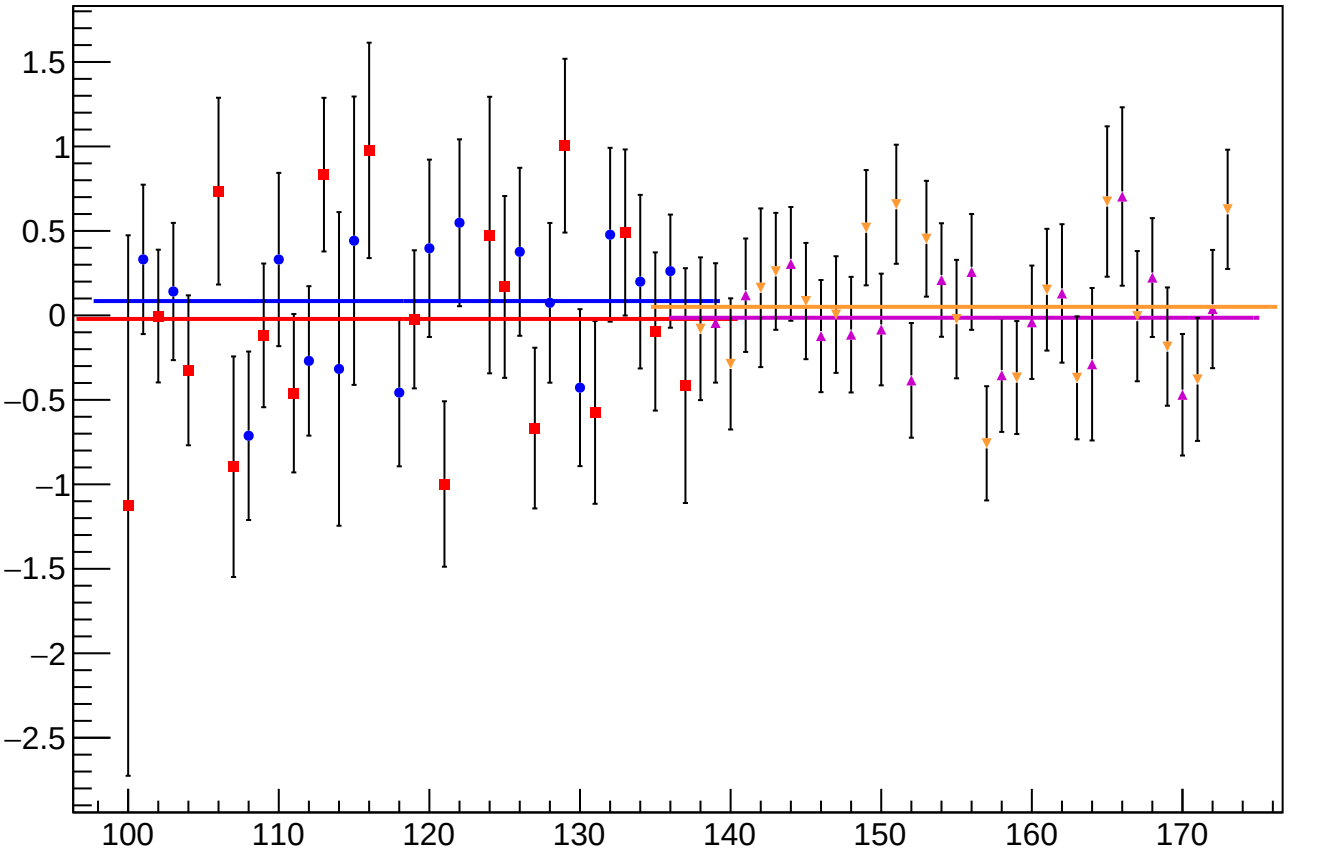
Right: 0.898+/-3.412 χ^2/NDF: 44.1/34

In: -0.890+/-2.094 χ^2/NDF:45.8/32

Out: -7.423+/-2.017 χ^2/NDF:84.0/37

All: -4.279+/-1.453 χ^2/NDF: 134.8/70


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 12483.955+/-3.379 χ²/NDF: 671560.0/15
Left Out: 8507.175+/-1.567 χ²/NDF:398223.2/18
Right Out: 13041.241+/-3.446 χ²/NDF: 544486.8/18
Left In: 8661.941+/-1.647 χ²/NDF:308328.7/16
Left: 8580.684+/-1.135 χ²/NDF: 711185.8/35
Right: 12757.154+/-2.413 χ²/NDF: 1229378.8/34
In: 9395.833+/-1.481 χ²/NDF:2013427.4/32
Out: 9283.981+/-1.426 χ²/NDF:2377293.9/37
All: 9337.813+/-1.027 χ²/NDF: 4393680.8/70



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.051+/-0.083 χ^2/NDF:22.8/18

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: -0.014+/-0.086 χ^2/NDF:9.0/16

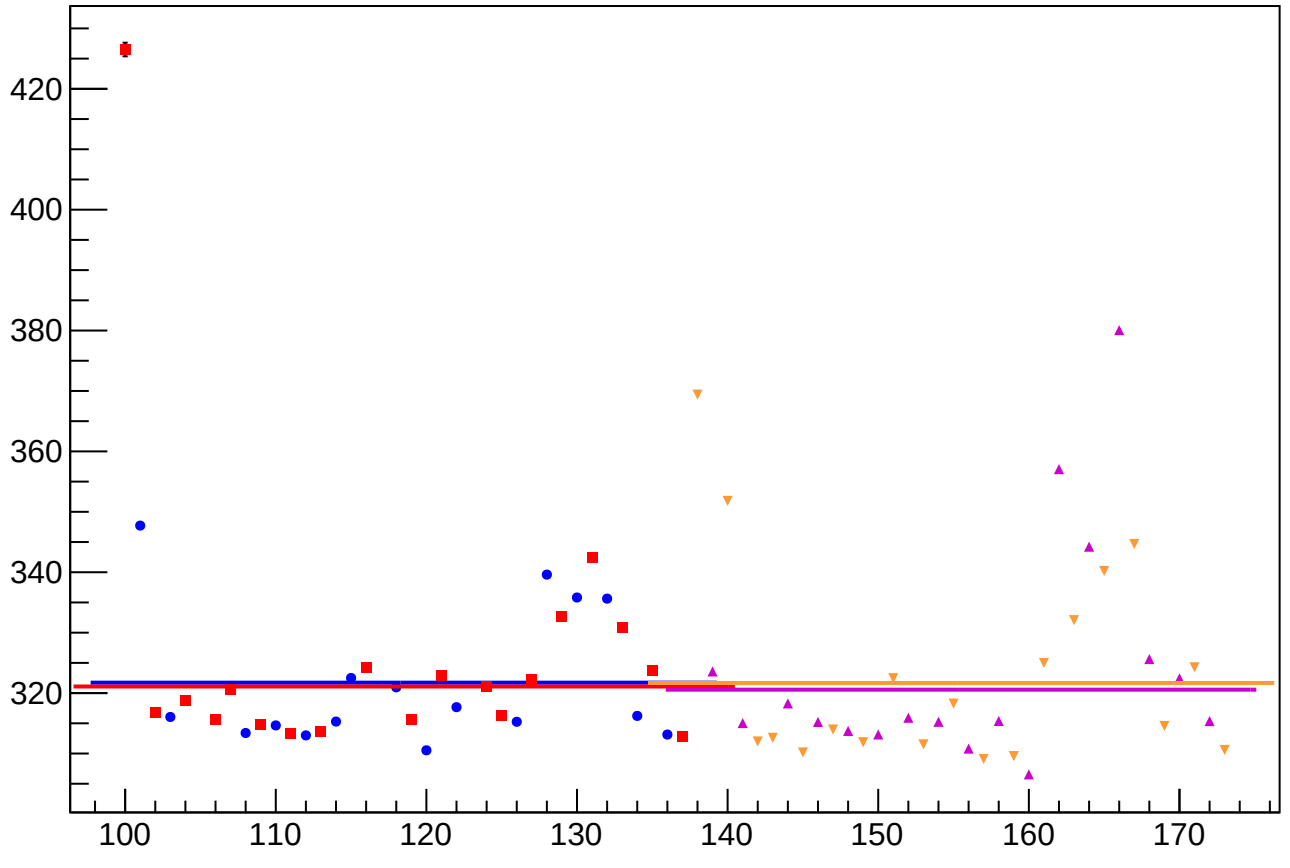
Left: 0.019+/-0.060 χ^2/NDF: 32.1/35

Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.020+/-0.070 χ^2/NDF:18.8/32

Out: 0.027+/-0.068 χ^2/NDF:47.3/37

All: 0.023+/-0.049 χ^2/NDF: 66.2/70



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 321.677+/-0.059 χ^2/NDF:67312.3/18

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 320.564+/-0.061 χ^2/NDF:57225.7/16

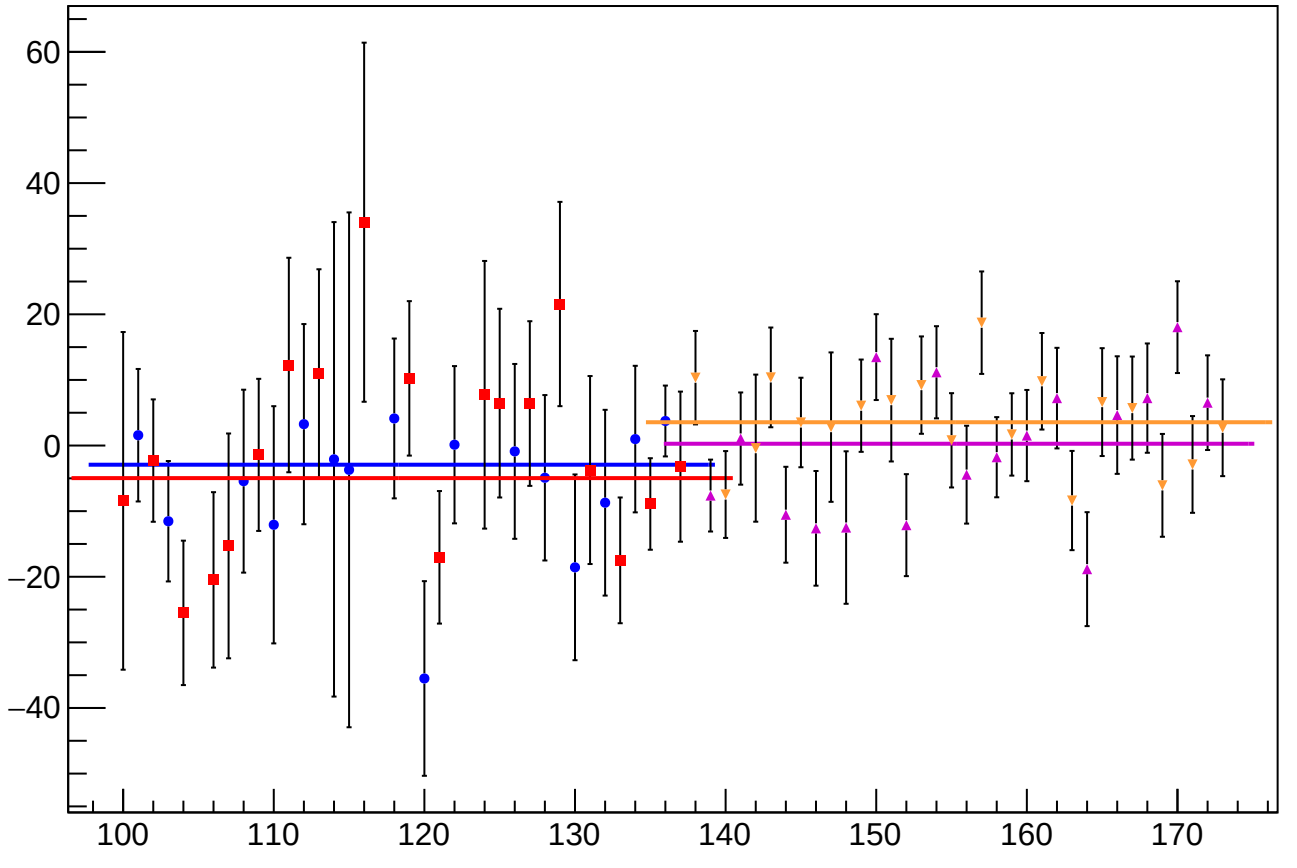
Left: 321.138+/-0.042 χ^2/NDF: 124710.2/35

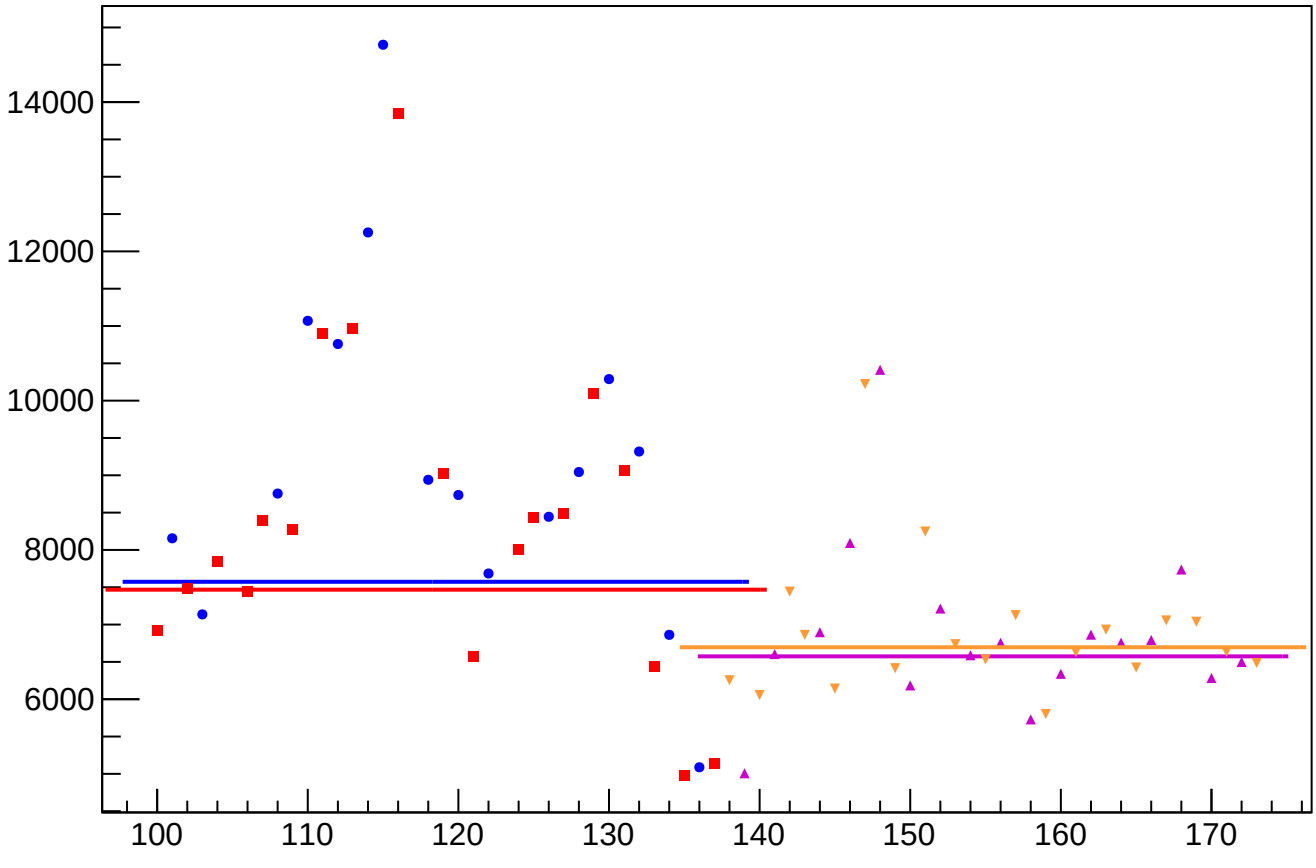
Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 320.959+/-0.050 χ^2/NDF:75564.1/32

Out: 321.481+/-0.048 χ^2/NDF:83924.4/37

All: 321.228+/-0.034 χ^2/NDF: 159545.8/70


diff_bpm_4aY_4acY_avg_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
Right In: -2.922+/-2.910 χ²/NDF: 9.8/15
Left Out: 3.552+/-1.746 χ²/NDF:15.2/18
Right Out: -4.965+/-2.824 χ²/NDF: 19.4/18
Left In: 0.273+/-1.781 χ²/NDF:31.0/16
Left: 1.945+/-1.247 χ²/NDF: 47.9/35
Right: -3.974+/-2.027 χ²/NDF: 29.5/34
In: -0.597+/-1.519 χ²/NDF:41.8/32
Out: 1.196+/-1.485 χ²/NDF:41.2/37
All: 0.320+/-1.062 χ²/NDF: 83.7/70



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6696.281+/-1.235 χ^2/NDF:361120.4/18

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

Left In: 6574.225+/-1.259 χ^2/NDF:556065.6/16

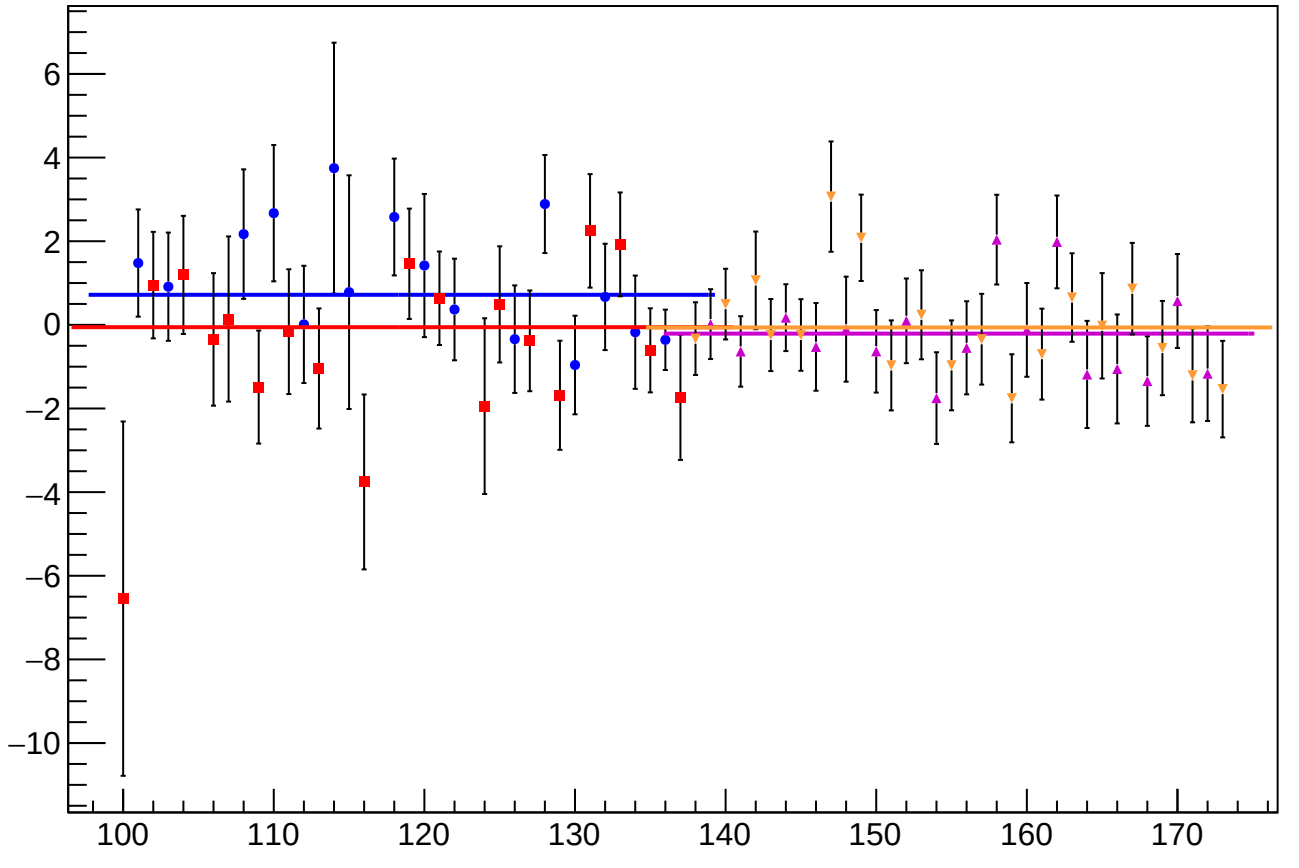
Left: 6636.461+/-0.882 χ^2/NDF: 921975.3/35

Right: 7518.728+/-1.433 χ^2/NDF: 1727300.0/34

In: 6846.410+/-1.074 χ^2/NDF:1625079.1/32

Out: 6909.582+/-1.050 χ^2/NDF:1297374.9/37

All: 6878.711+/-0.751 χ^2/NDF: 2924222.4/70



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: -0.062+/-0.238 χ^2/NDF:20.0/18

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.210+/-0.252 χ^2/NDF:14.6/16

Left: -0.132+/-0.173 χ^2/NDF: 34.8/35

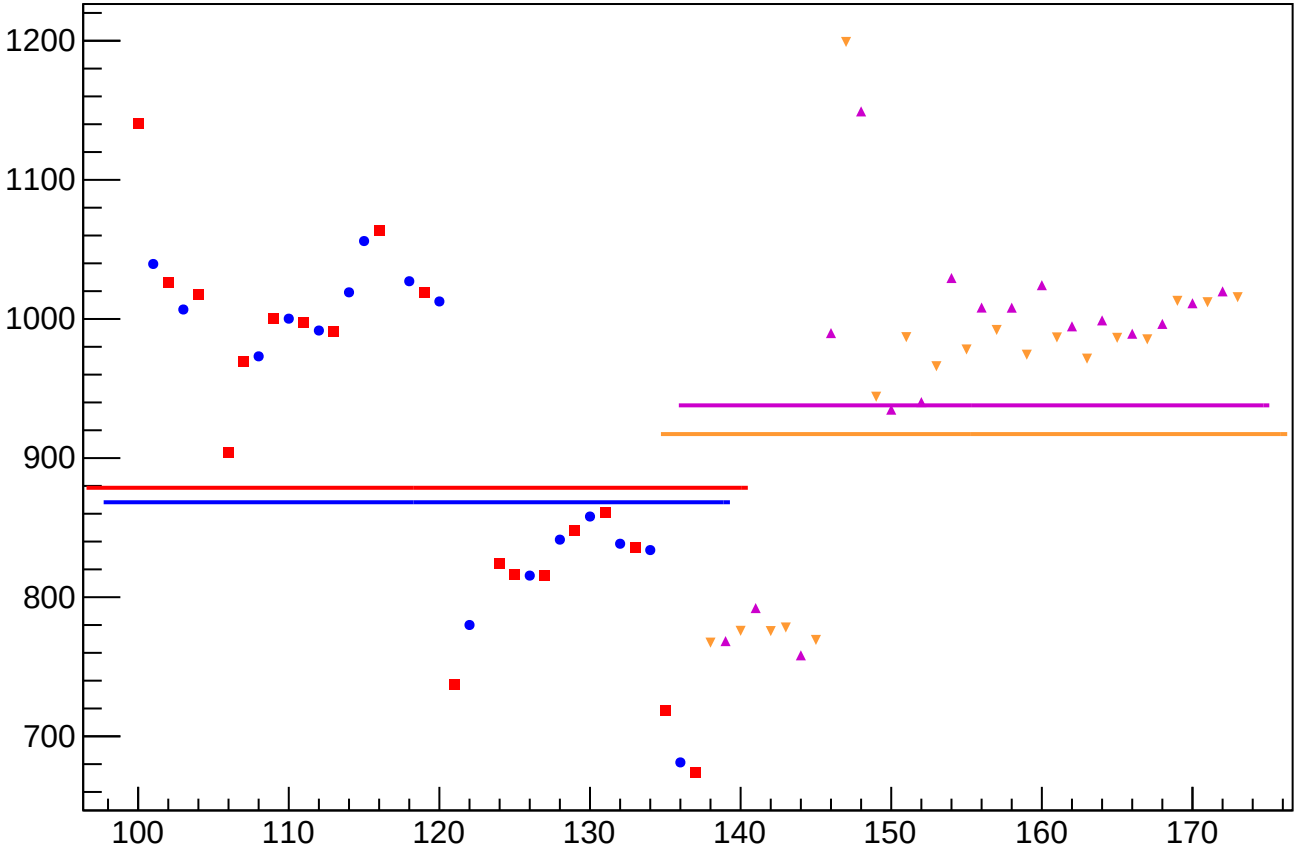
Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.138+/-0.199 χ^2/NDF:34.5/32

Out: -0.060+/-0.192 χ^2/NDF:39.8/37

All: 0.035+/-0.138 χ^2/NDF: 74.8/70

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 917.263+/-0.169 χ^2/NDF:454411.3/18

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 937.911+/-0.178 χ^2/NDF:385241.1/16

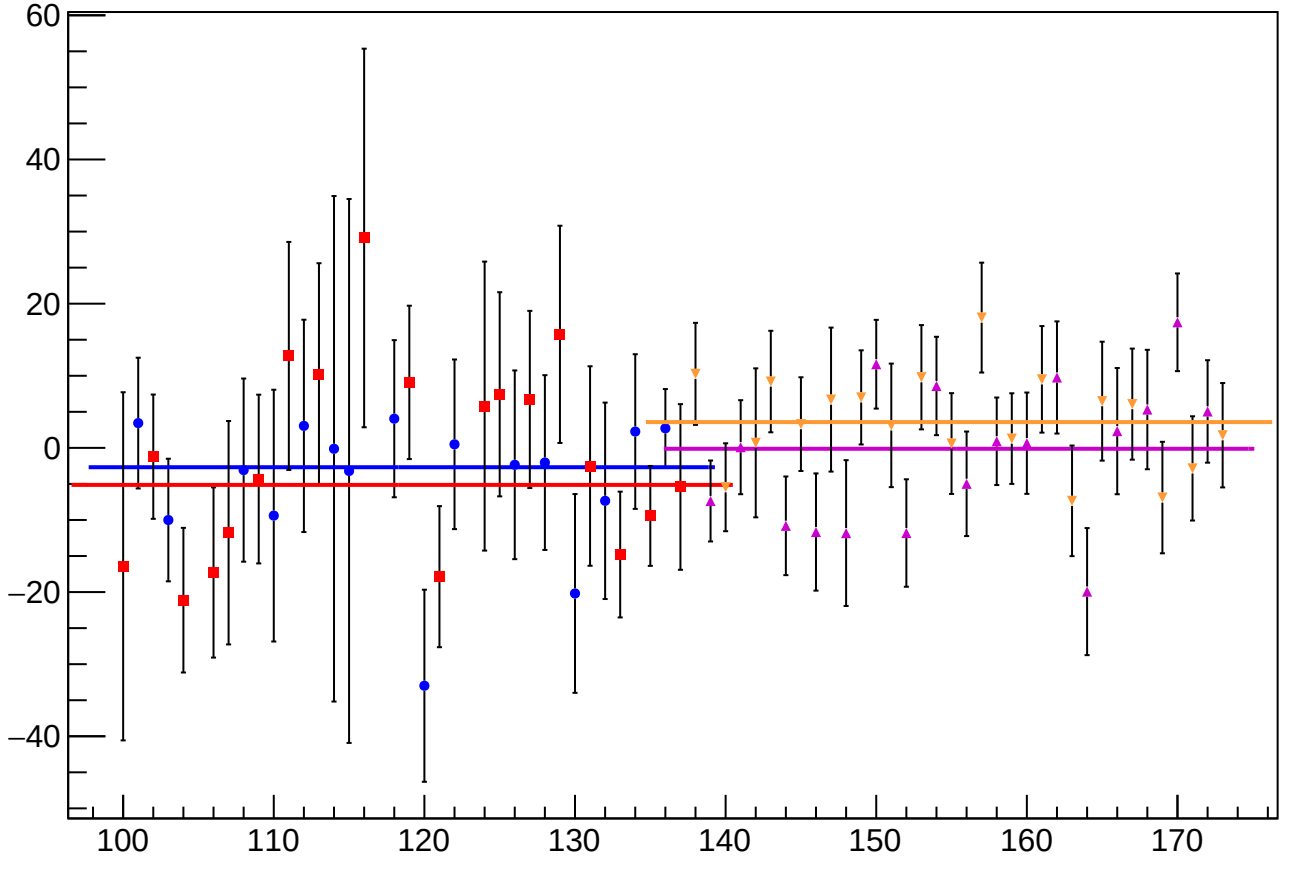
Left: 927.008+/-0.123 χ^2/NDF: 846727.8/35

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 911.814+/-0.141 χ^2/NDF:744782.6/32

Out: 903.662+/-0.136 χ^2/NDF:745405.6/37

All: 907.581+/-0.098 χ^2/NDF: 1491922.6/70



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.577+/-1.688 χ^2/NDF:14.4/18

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -0.125+/-1.734 χ^2/NDF:30.1/16

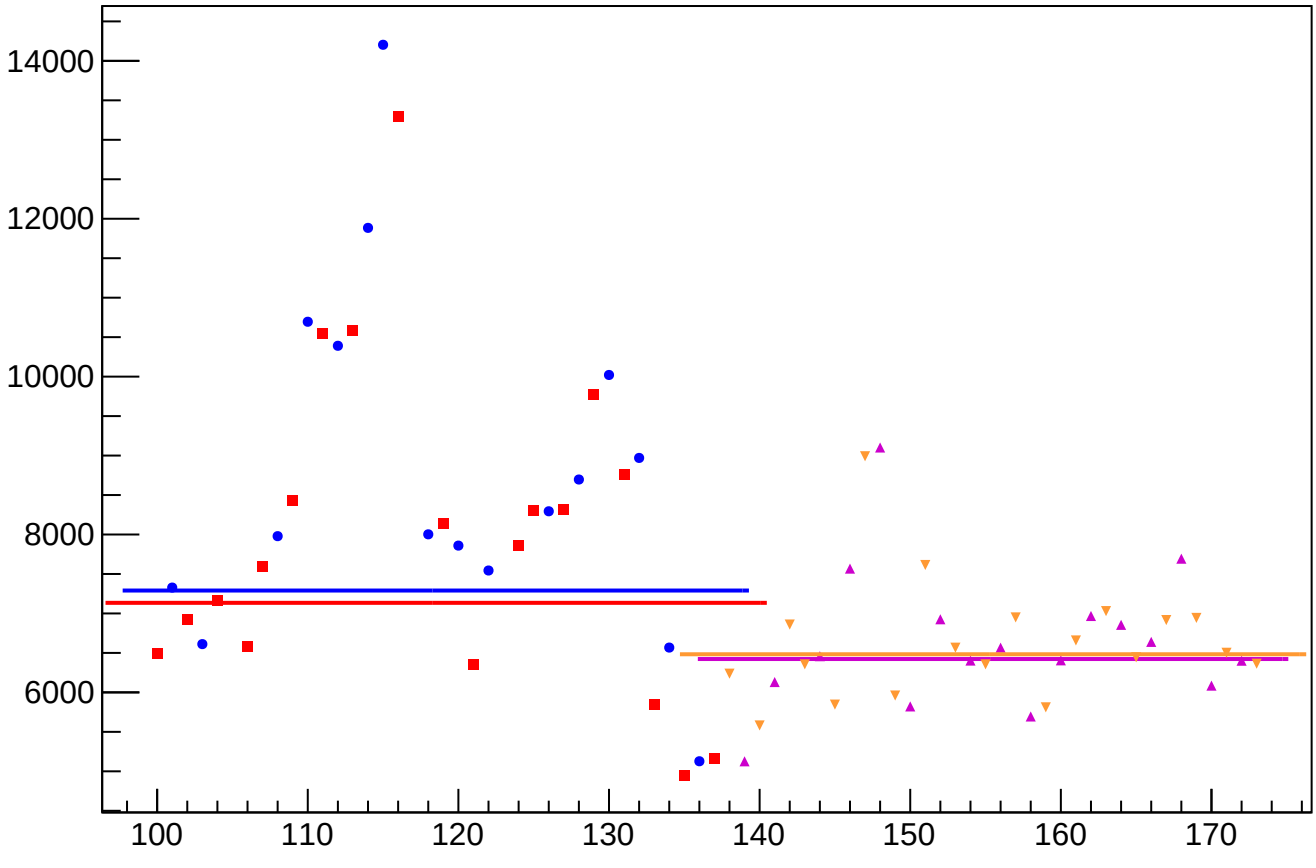
Left: 1.777+/-1.209 χ^2/NDF: 46.9/35

Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -0.838+/-1.473 χ^2/NDF:40.8/32

Out: 1.118+/-1.430 χ^2/NDF:39.2/37

All: 0.169+/-1.026 χ^2/NDF: 80.9/70



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6482.895+/-1.193 χ^2/NDF:299178.1/18

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6422.586+/-1.226 χ^2/NDF:416468.2/16

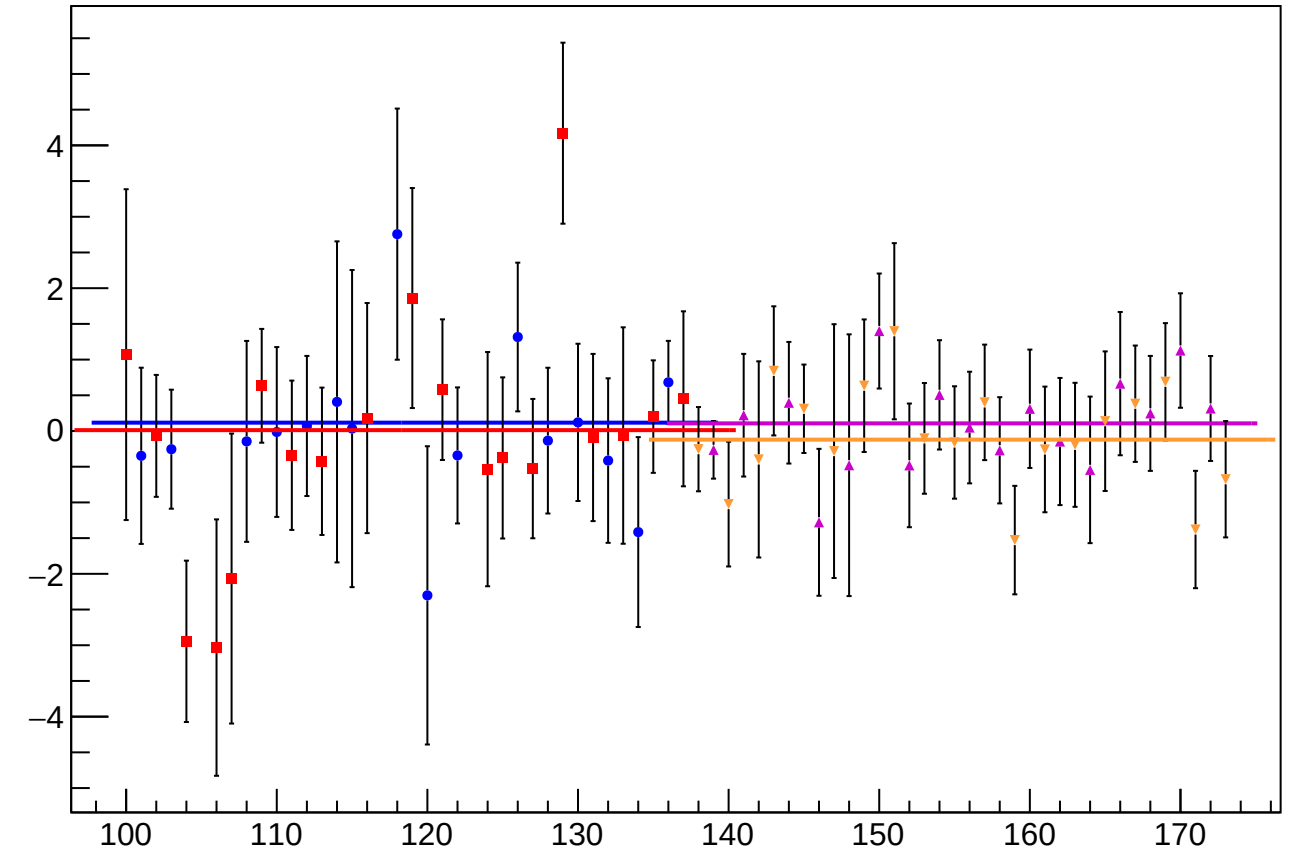
Left: 6453.564+/-0.855 χ^2/NDF: 716888.5/35

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

In: 6664.637+/-1.041 χ^2/NDF:1326636.0/32

Out: 6666.705+/-1.011 χ^2/NDF:1176067.7/37

All: 6665.702+/-0.725 χ^2/NDF: 2502705.7/70



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.121+/-0.193 χ^2/NDF:13.1/18

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: 0.107+/-0.190 χ^2/NDF:9.1/16

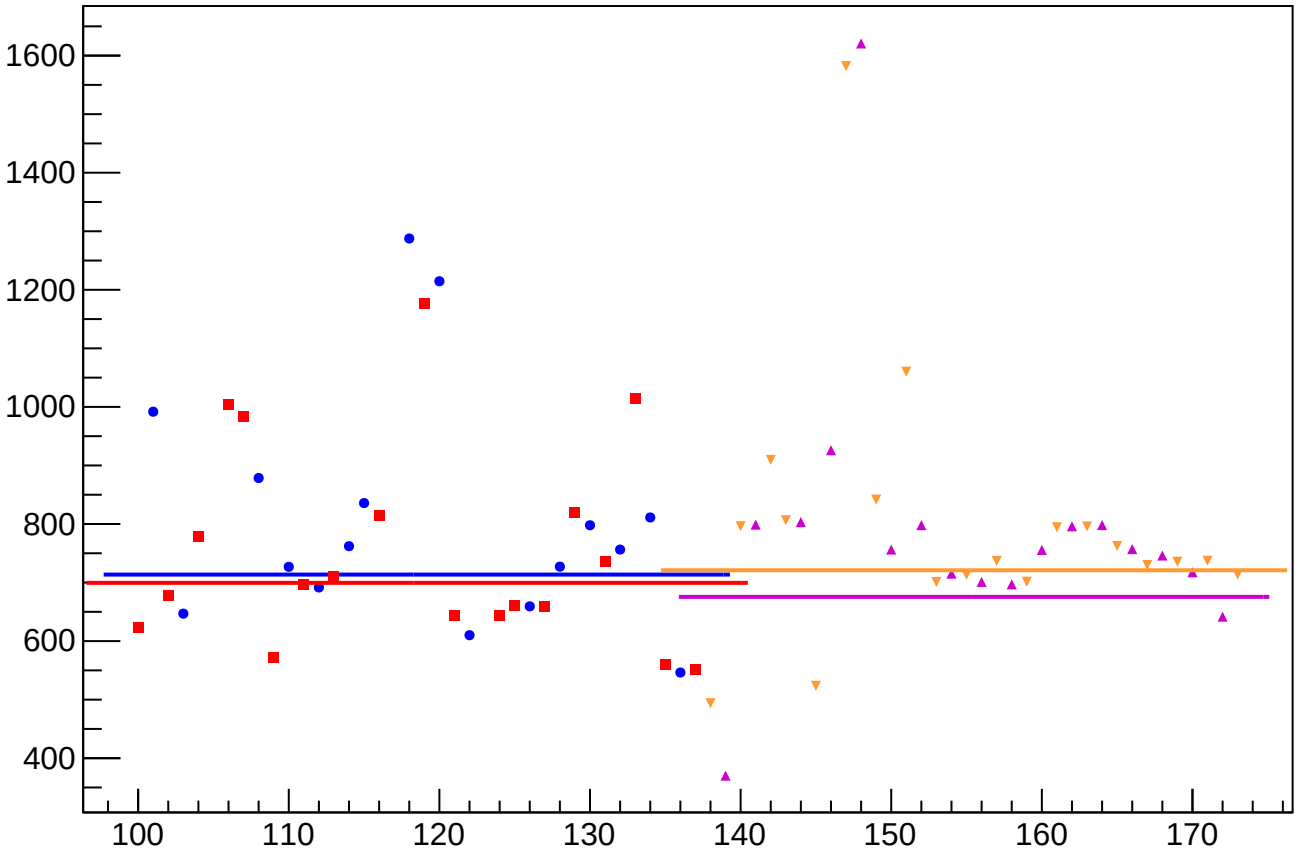
Left: -0.005+/-0.135 χ^2/NDF: 22.8/35

Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.110+/-0.156 χ^2/NDF:17.2/32

Out: -0.074+/-0.156 χ^2/NDF:38.4/37

All: 0.018+/-0.110 χ^2/NDF: 56.3/70



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 720.999+/-0.136 χ^2/NDF:1262691.9/18

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 675.538+/-0.134 χ^2/NDF:2075510.3/16

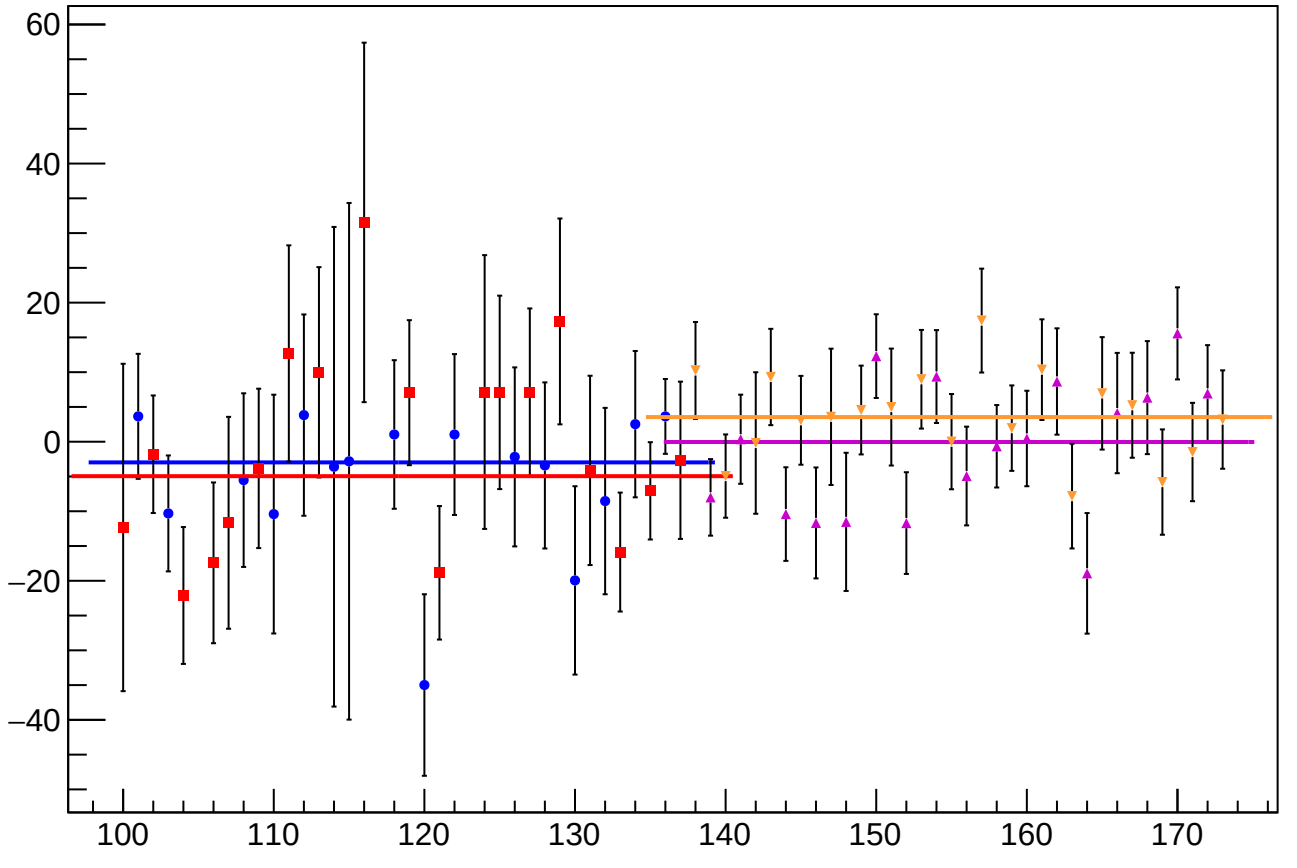
Left: 697.894+/-0.096 χ^2/NDF: 3394643.5/35

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 687.937+/-0.110 χ^2/NDF:2801041.3/32

Out: 713.486+/-0.110 χ^2/NDF:1847130.3/37

All: 700.732+/-0.078 χ^2/NDF: 4675088.0/70



Right In: -2.974+/-2.746 χ^2/NDF: 11.6/15

Left Out: 3.544+/-1.655 χ^2/NDF:13.6/18

Right Out: -4.955+/-2.653 χ^2/NDF: 18.5/18

Left In: -0.043+/-1.700 χ^2/NDF:30.6/16

Left: 1.799+/-1.186 χ^2/NDF: 46.5/35

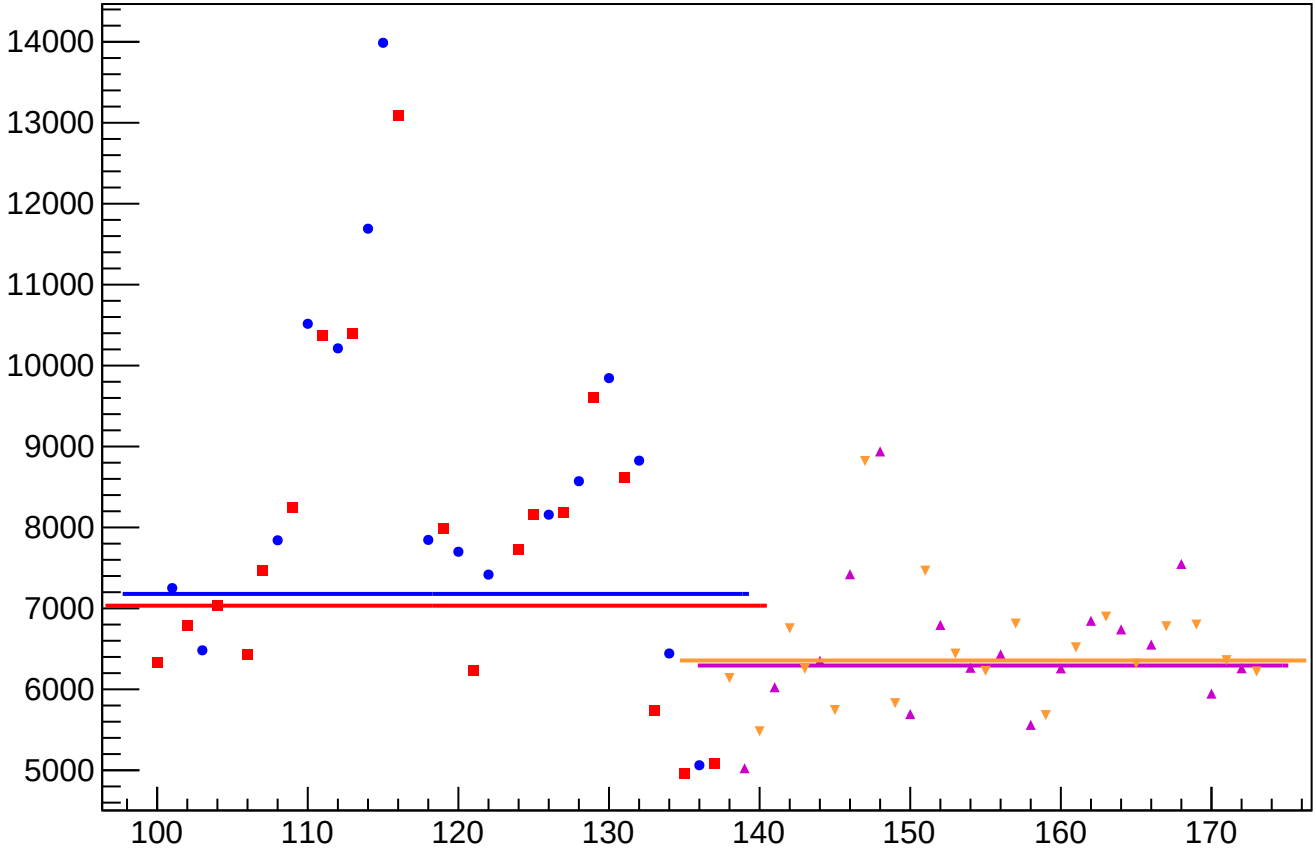
Right: -3.999+/-1.908 χ^2/NDF: 30.3/34

In: -0.855+/-1.446 χ^2/NDF:43.0/32

Out: 1.164+/-1.404 χ^2/NDF:39.5/37

All: 0.184+/-1.007 χ^2/NDF: 83.5/70

diff_bpm_4aY_4ecY_avg_rms vs Slug, Sign Corrected



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6356.364+/-1.170 χ^2/NDF:299297.9/18

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6294.197+/-1.202 χ^2/NDF:423265.7/16

Left: 6326.121+/-0.839 χ^2/NDF: 723936.7/35

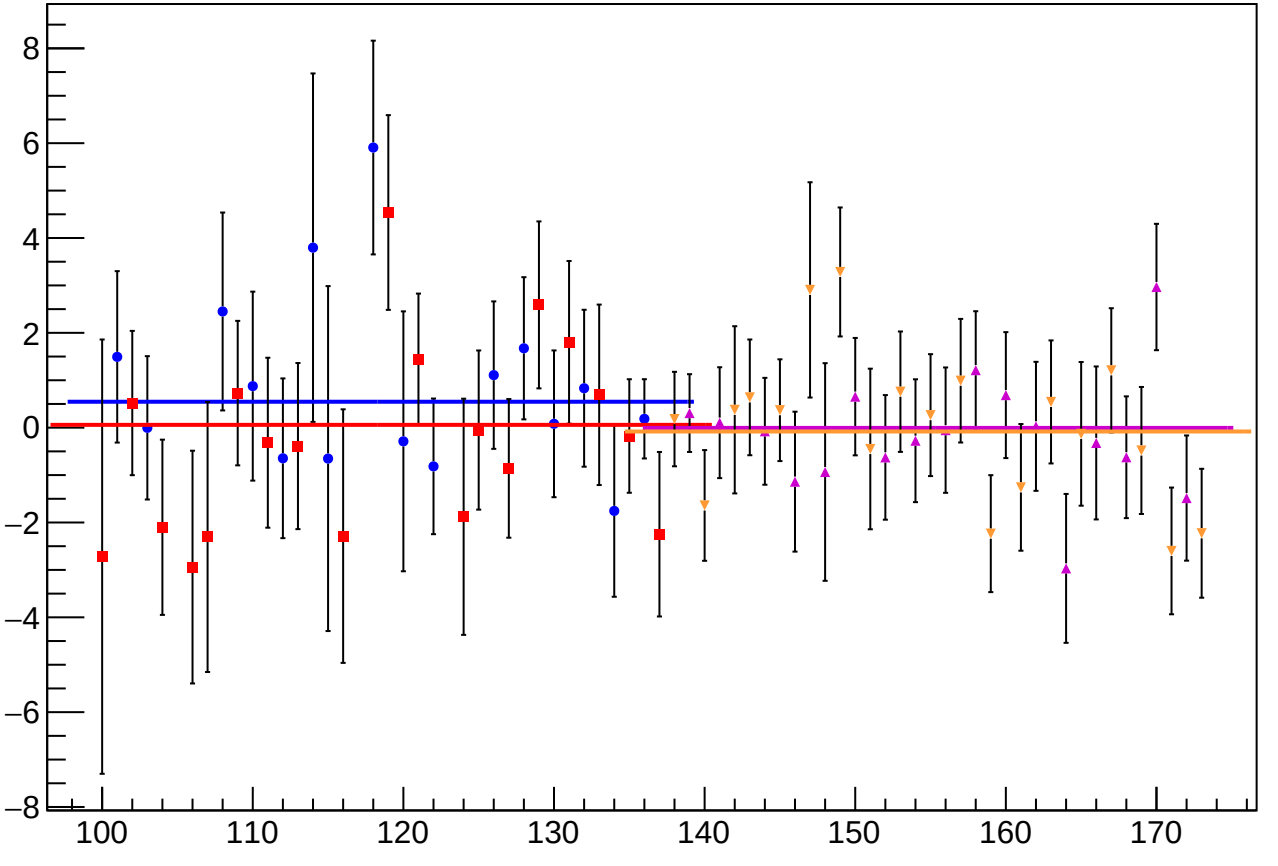
Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6539.364+/-1.022 χ^2/NDF:1335275.6/32

Out: 6546.019+/-0.993 χ^2/NDF:1159483.1/37

All: 6542.788+/-0.712 χ^2/NDF: 2494780.6/70

diff_bpm_4aY_4ecY_dd_mean vs Slug, Sign Corrected



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: -0.081+/-0.302 χ^2/NDF:22.7/18

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: -0.005+/-0.311 χ^2/NDF:12.8/16

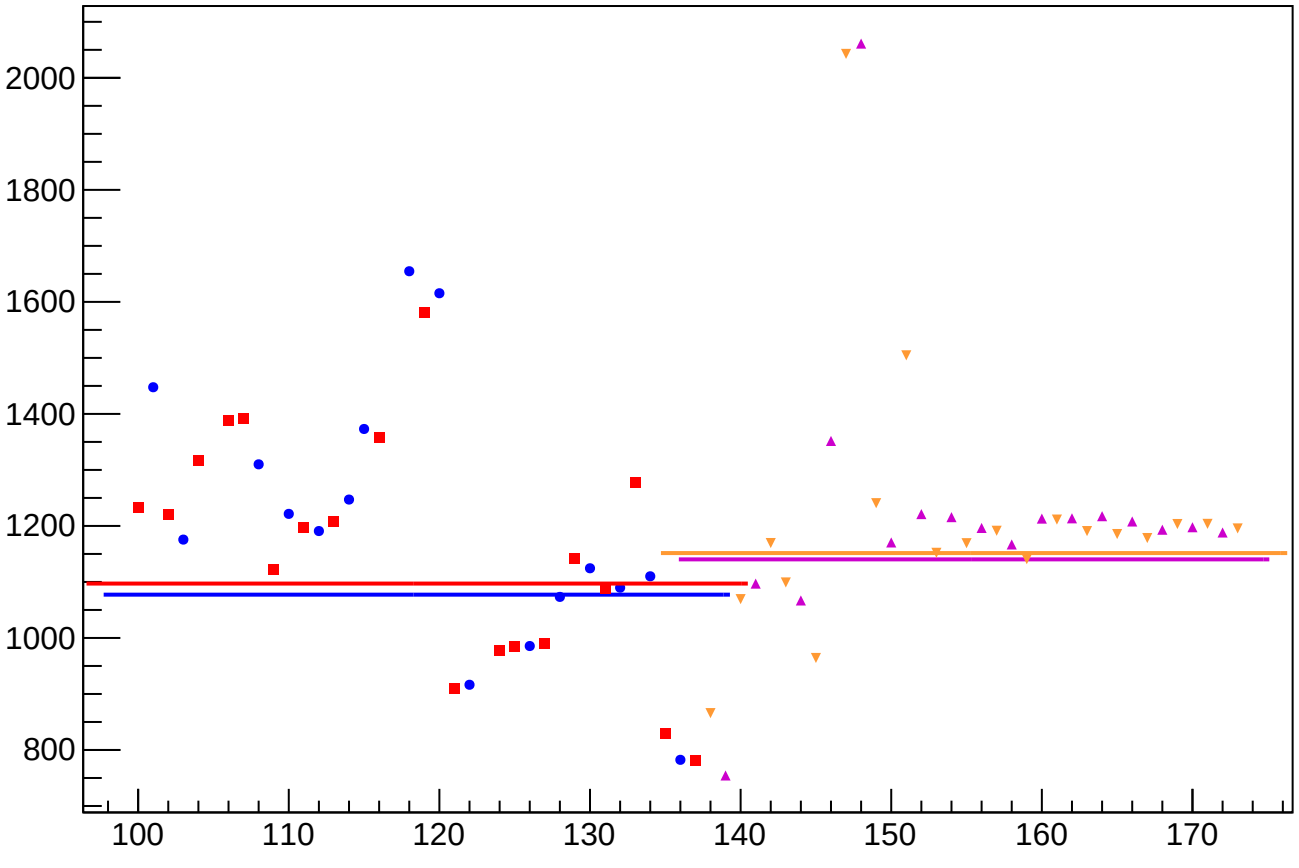
Left: -0.044+/-0.217 χ^2/NDF: 35.5/35

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.196+/-0.248 χ^2/NDF:25.8/32

Out: -0.031+/-0.243 χ^2/NDF:39.6/37

All: 0.080+/-0.173 χ^2/NDF: 65.9/70



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1151.555+/-0.213 χ^2/NDF:661189.3/18

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1140.281+/-0.220 χ^2/NDF:866954.3/16

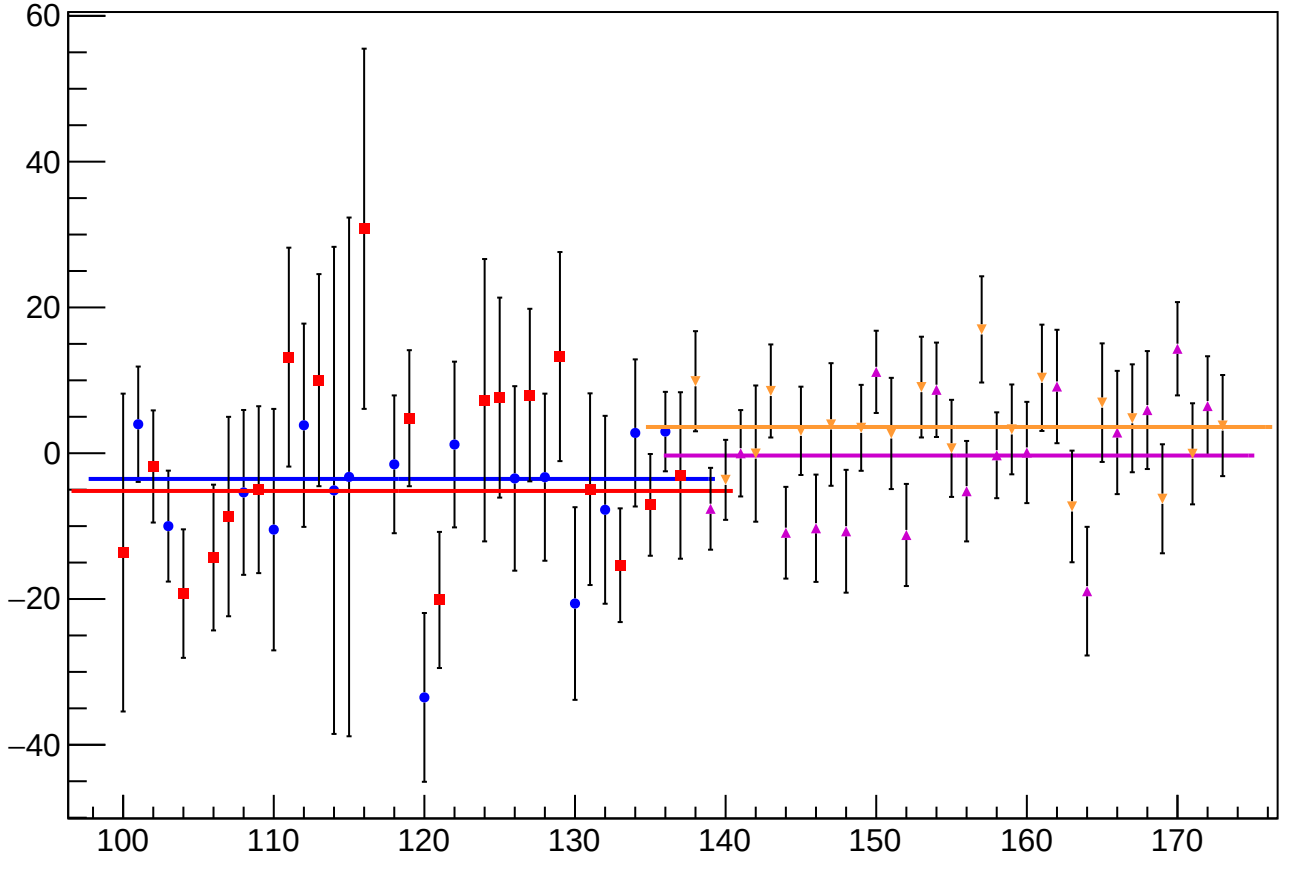
Left: 1146.089+/-0.153 χ^2/NDF: 1529498.1/35

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1117.347+/-0.175 χ^2/NDF:1543349.7/32

Out: 1132.362+/-0.172 χ^2/NDF:1168526.6/37

All: 1125.014+/-0.123 χ^2/NDF: 2715620.9/70



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.600+/-1.591 χ^2/NDF:12.7/18

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -0.317+/-1.647 χ^2/NDF:29.8/16

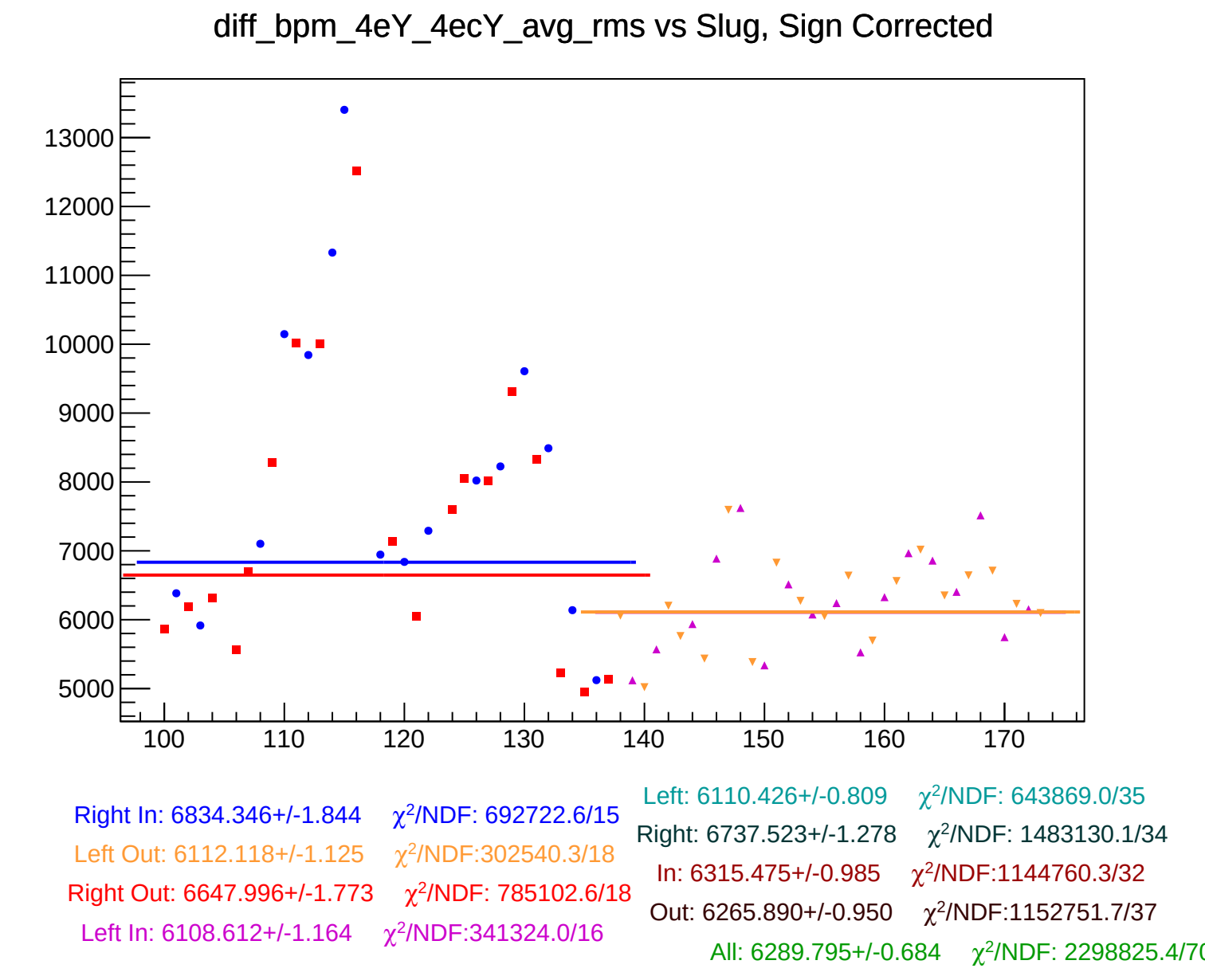
Left: 1.709+/-1.144 χ^2/NDF: 45.4/35

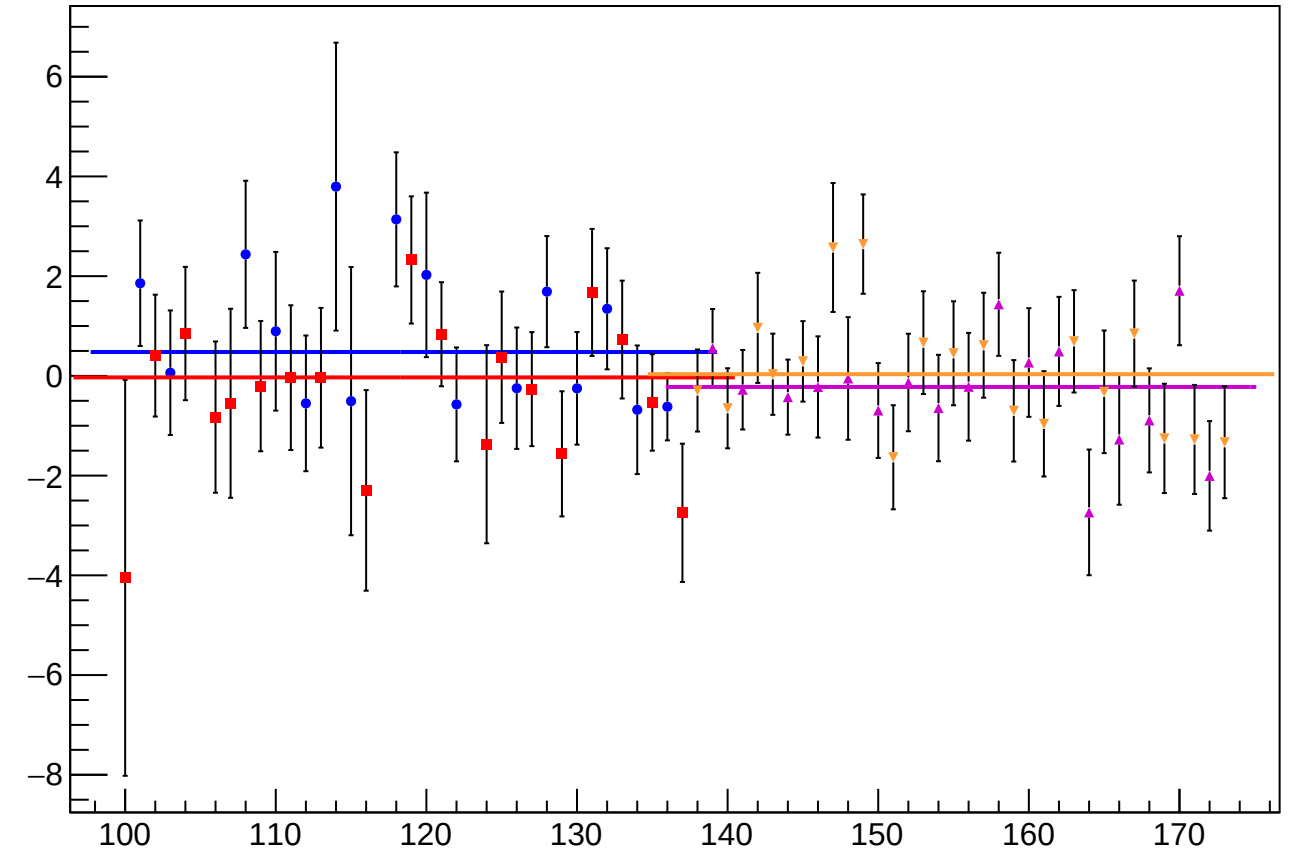
Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -1.232+/-1.392 χ^2/NDF:43.5/32

Out: 1.081+/-1.343 χ^2/NDF:39.6/37

All: -0.034+/-0.967 χ^2/NDF: 84.5/70


diff_bpm_4eY_4ecY_avg_rms vs Slug, Sign Corrected
13000
12000
11000
10000
9000
8000
7000
6000
5000
100
110
120
130
140
150
160
170
Right In: 6834.346+/-1.844 χ²/NDF: 692722.6/15
Left Out: 6112.118+/-1.125 χ²/NDF:302540.3/18
Right Out: 6647.996+/-1.773 χ²/NDF: 785102.6/18
Left In: 6108.612+/-1.164 χ²/NDF:341324.0/16
Left: 6110.426+/-0.809 χ²/NDF: 643869.0/35
Right: 6737.523+/-1.278 χ²/NDF: 1483130.1/34
In: 6315.475+/-0.985 χ²/NDF:1144760.3/32
Out: 6265.890+/-0.950 χ²/NDF:1152751.7/37
All: 6289.795+/-0.684 χ²/NDF: 2298825.4/70



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.034+/-0.229 χ^2/NDF:22.6/18

Right Out: -0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: -0.222+/-0.243 χ^2/NDF:15.5/16

Left: -0.087+/-0.167 χ^2/NDF: 38.6/35

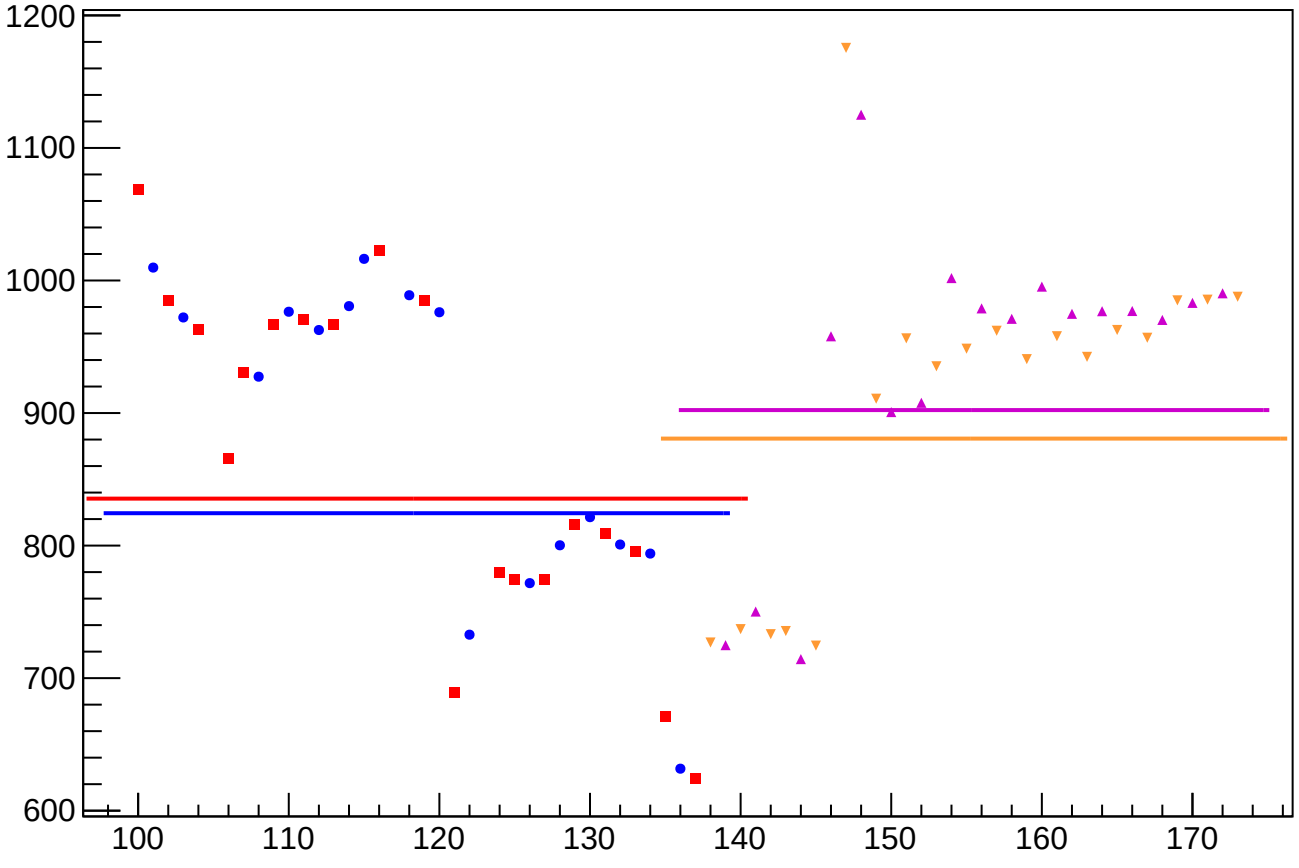
Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.044+/-0.192 χ^2/NDF:35.4/32

Out: 0.011+/-0.184 χ^2/NDF:38.3/37

All: 0.027+/-0.133 χ^2/NDF: 73.7/70

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 880.722+/-0.162 χ^2/NDF:549250.3/18

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 902.237+/-0.172 χ^2/NDF:476009.0/16

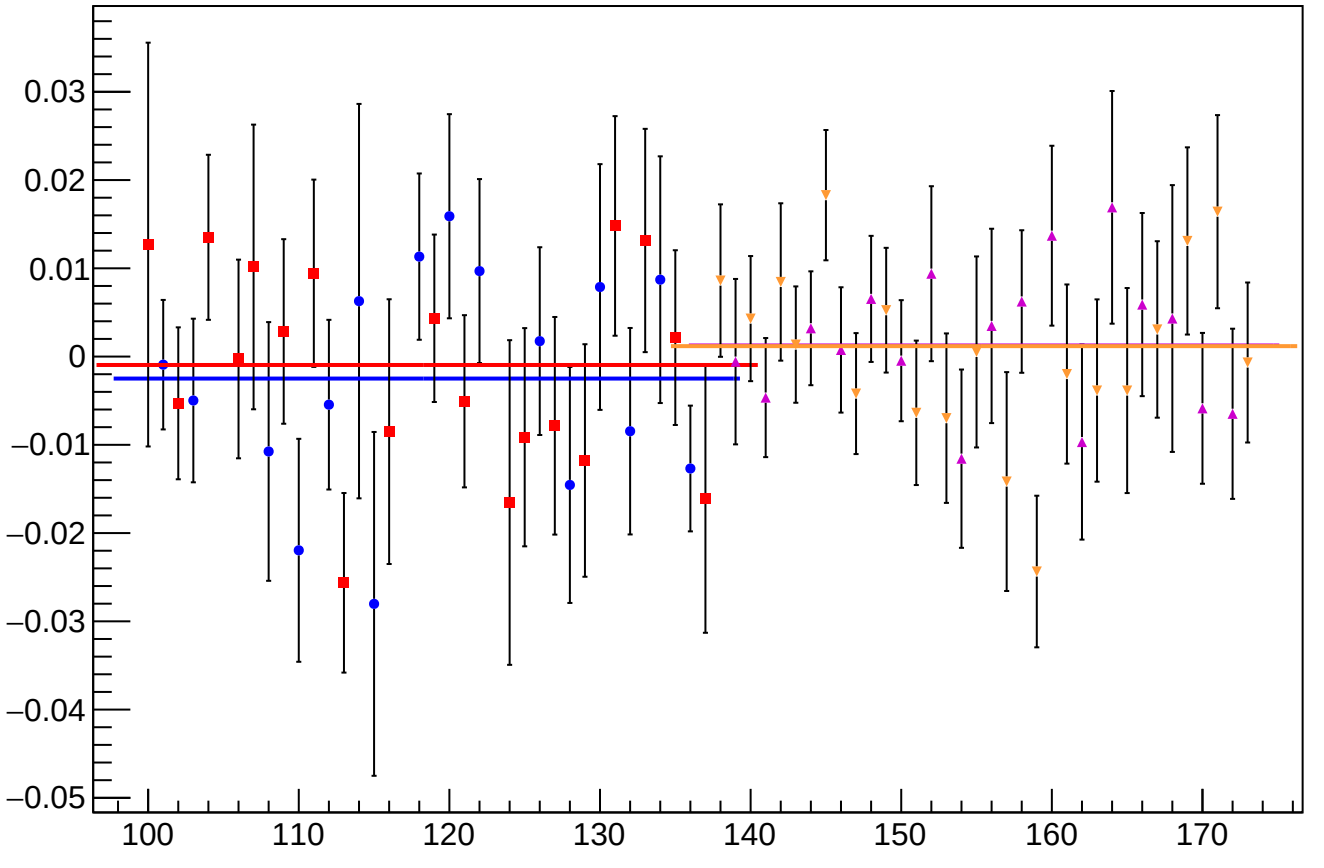
Left: 890.842+/-0.118 χ^2/NDF: 1033535.7/35

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 872.657+/-0.136 χ^2/NDF:919164.2/32

Out: 864.602+/-0.130 χ^2/NDF:896299.2/37

All: 868.468+/-0.094 χ^2/NDF: 1817301.4/70



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.001+/-0.002 χ^2/NDF:23.7/18

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: 0.001+/-0.002 χ^2/NDF:9.7/16

Left: 0.001+/-0.001 χ^2/NDF: 33.3/35

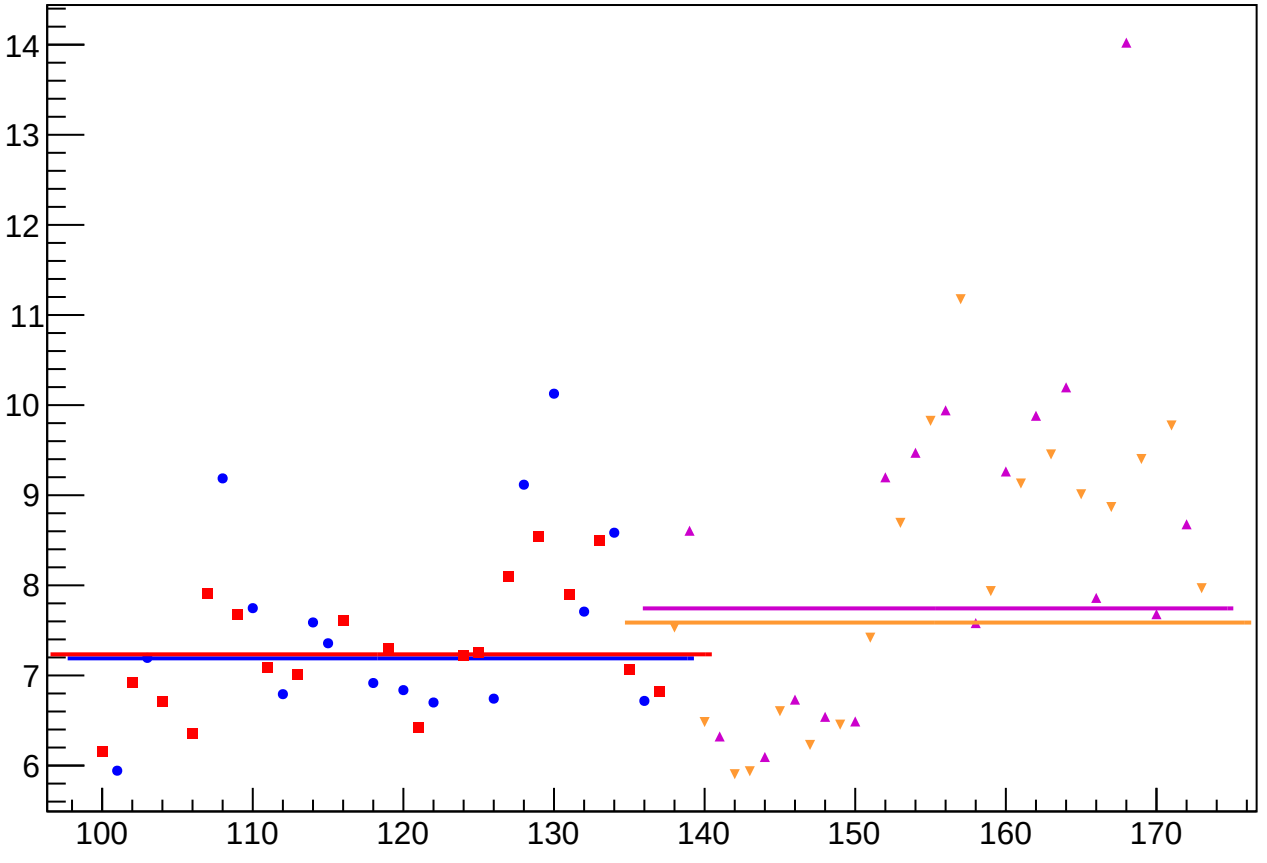
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.000+/-0.002 χ^2/NDF:26.2/32

Out: 0.000+/-0.002 χ^2/NDF:41.4/37

All: 0.000+/-0.001 χ^2/NDF: 67.6/70

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.587+/-0.001 χ^2/NDF:1010779.3/18

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.744+/-0.001 χ^2/NDF:1135292.0/16

Left: 7.661+/-0.001 χ^2/NDF: 2151887.8/35

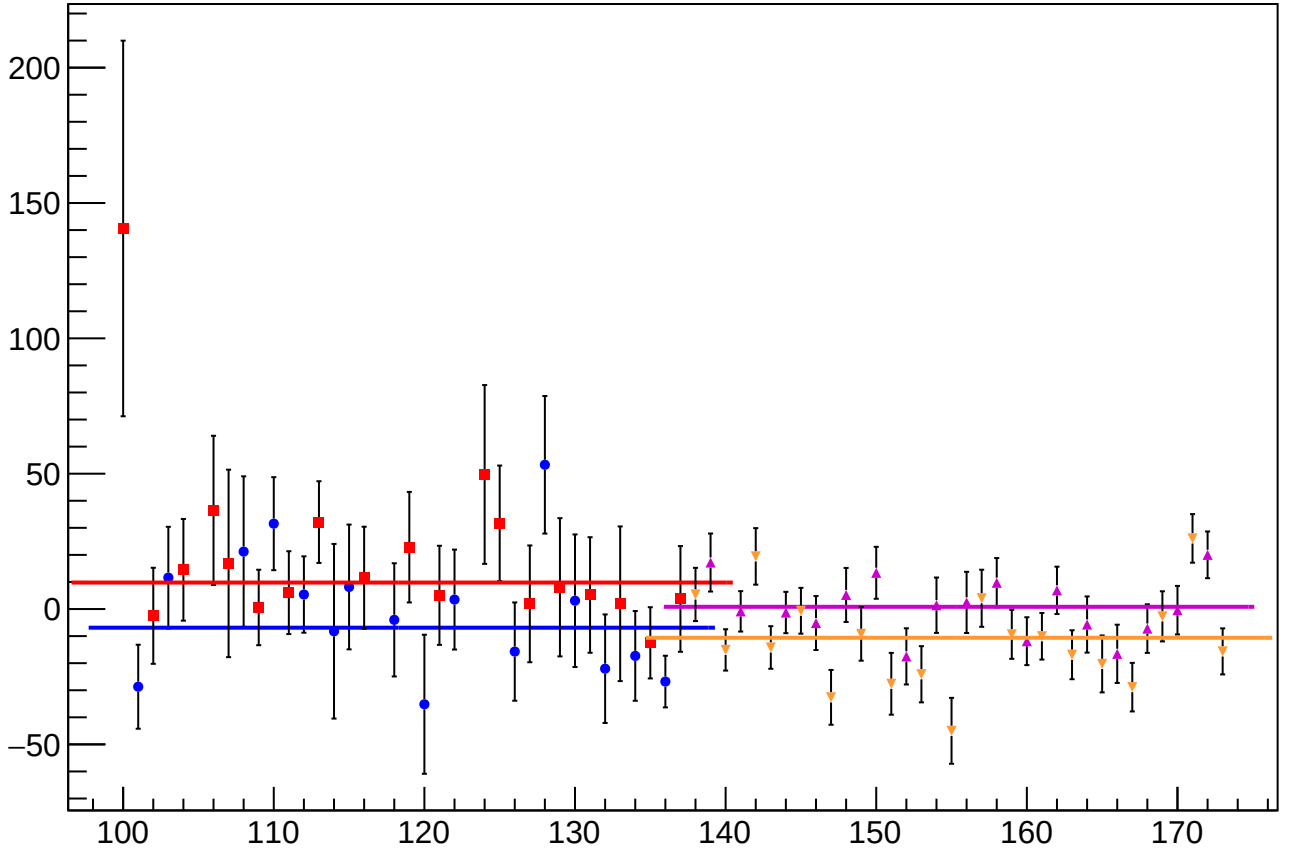
Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.534+/-0.001 χ^2/NDF:1464950.2/32

Out: 7.459+/-0.001 χ^2/NDF:1139464.3/37

All: 7.495+/-0.001 χ^2/NDF: 2606512.4/70

diff_targ_positionX_mean vs Slug, Sign Corrected



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -10.613+/-2.148 χ^2/NDF:54.7/18

Right Out: 9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: 0.823+/-2.262 χ^2/NDF:20.1/16

Left: -5.189+/-1.557 χ^2/NDF: 88.3/35

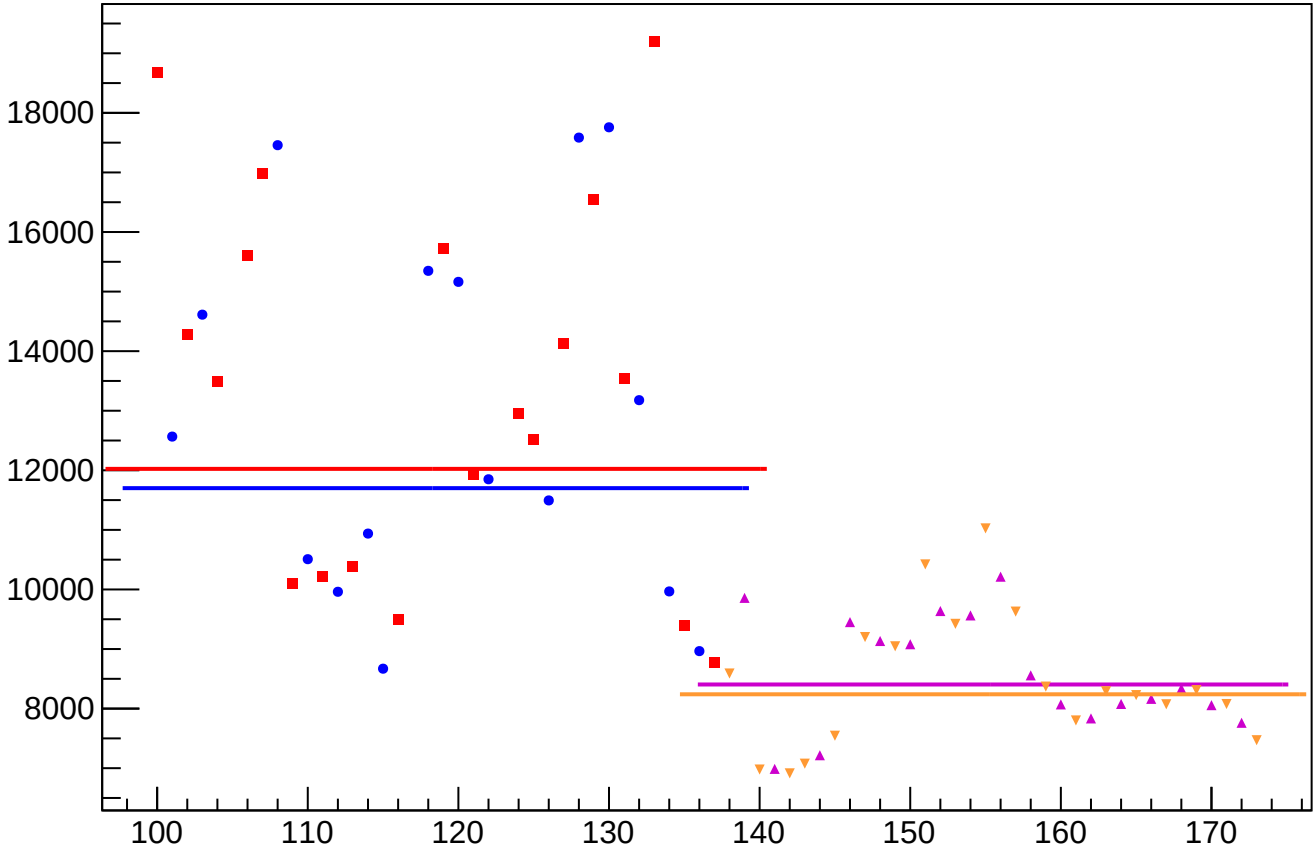
Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: -0.739+/-2.020 χ^2/NDF:45.5/32

Out: -6.851+/-1.940 χ^2/NDF:85.3/37

All: -3.918+/-1.399 χ^2/NDF: 135.6/70

diff_targ_positionX_rms vs Slug, Sign Corrected



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8240.308+/-1.519 χ^2/NDF:439917.5/18

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8404.871+/-1.599 χ^2/NDF:334165.5/16

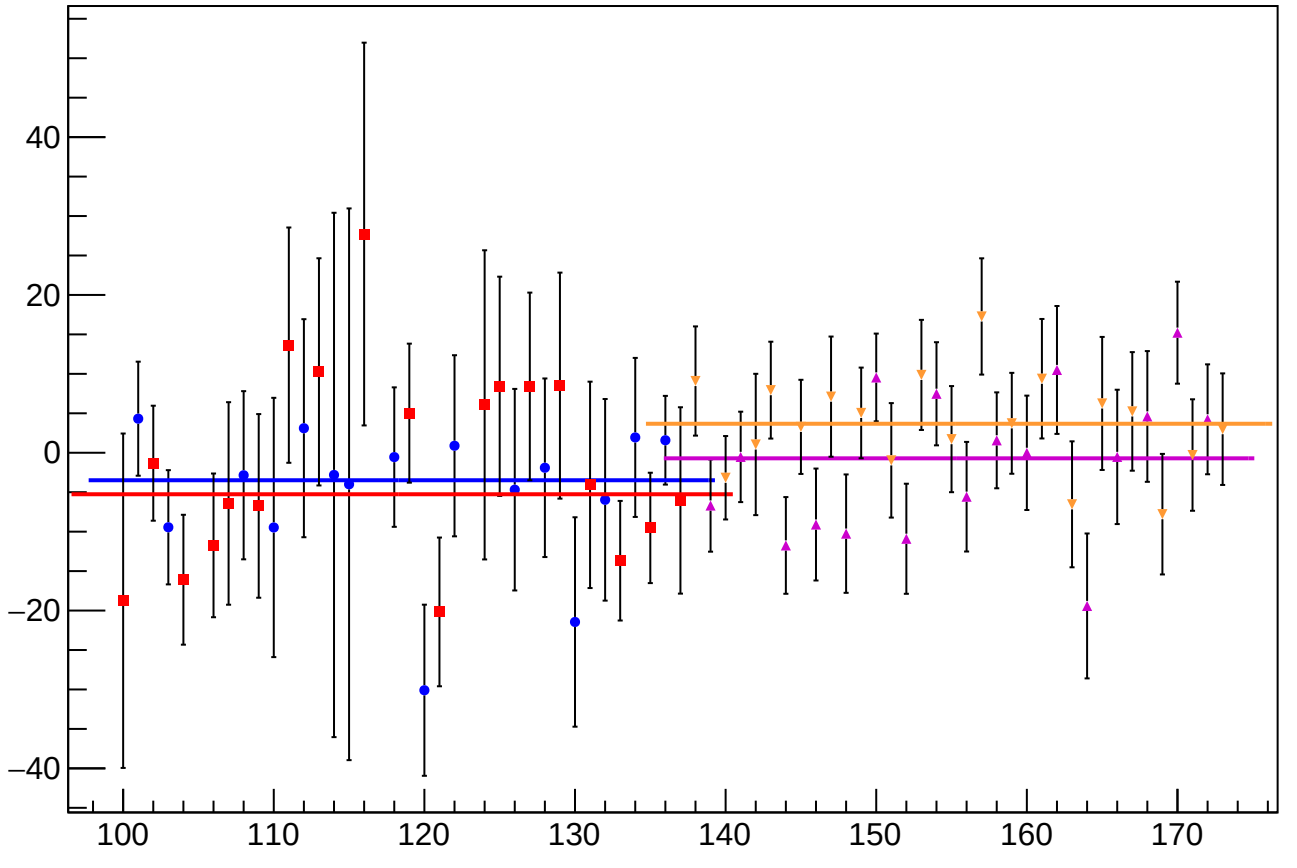
Left: 8318.354+/-1.101 χ^2/NDF: 779650.6/35

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

In: 9072.172+/-1.428 χ^2/NDF:1934377.7/32

Out: 8938.061+/-1.372 χ^2/NDF:2269244.4/37

All: 9002.415+/-0.989 χ^2/NDF: 4208209.3/70



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.674+/-1.585 χ^2/NDF:12.7/18

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -0.707+/-1.650 χ^2/NDF:28.1/16

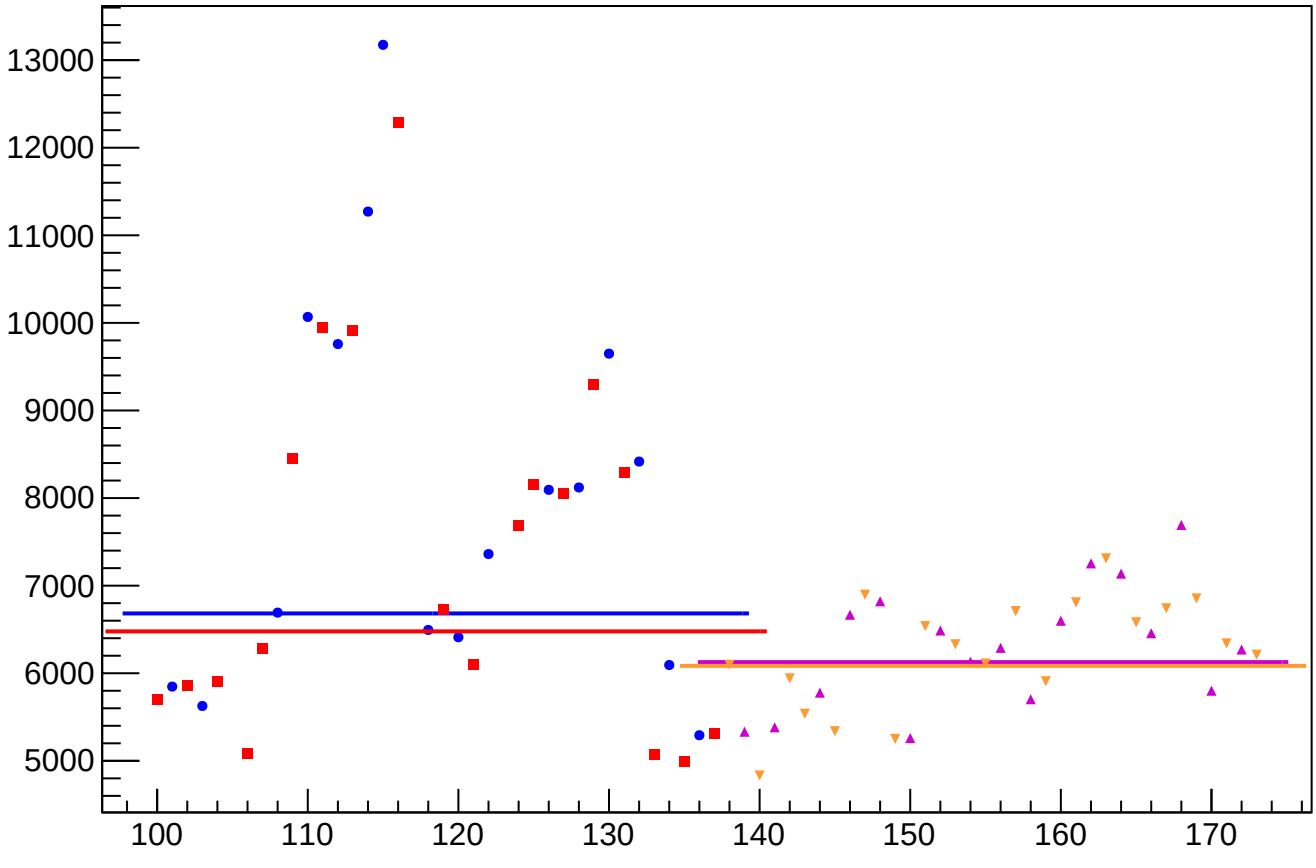
Left: 1.572+/-1.143 χ^2/NDF: 44.5/35

Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -1.528+/-1.385 χ^2/NDF:40.4/32

Out: 1.032+/-1.330 χ^2/NDF:38.7/37

All: -0.196+/-0.960 χ^2/NDF: 80.9/70



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 6084.114+/-1.121 χ^2/NDF:362435.6/18

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 6127.145+/-1.167 χ^2/NDF:322659.0/16

Left: 6104.763+/-0.808 χ^2/NDF: 685801.8/35

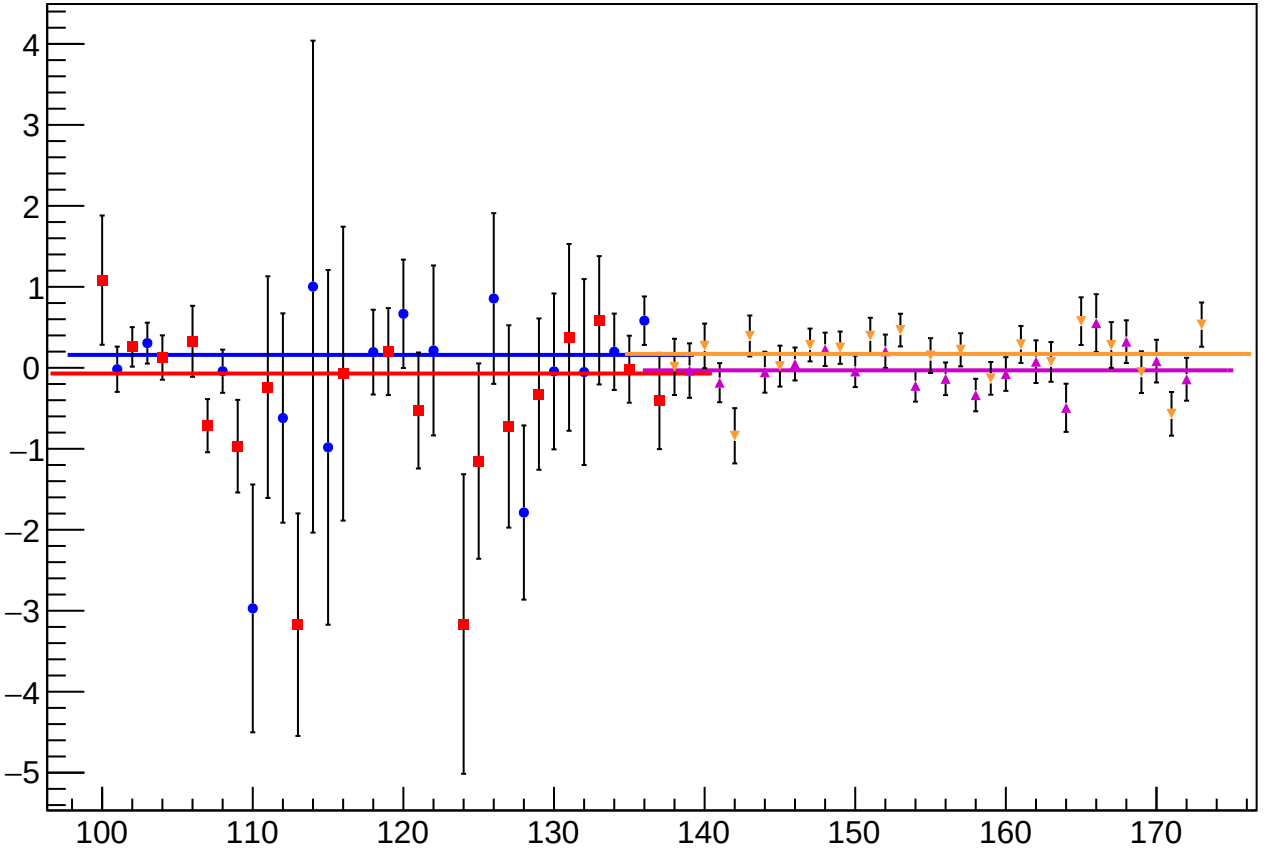
Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6291.280+/-0.980 χ^2/NDF:1081845.8/32

Out: 6200.632+/-0.941 χ^2/NDF:1238202.0/37

All: 6244.115+/-0.679 χ^2/NDF: 2324502.3/70

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.172+/-0.055 χ^2/NDF:28.6/18

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: -0.031+/-0.056 χ^2/NDF:14.5/16

Left: 0.072+/-0.039 χ^2/NDF: 49.7/35

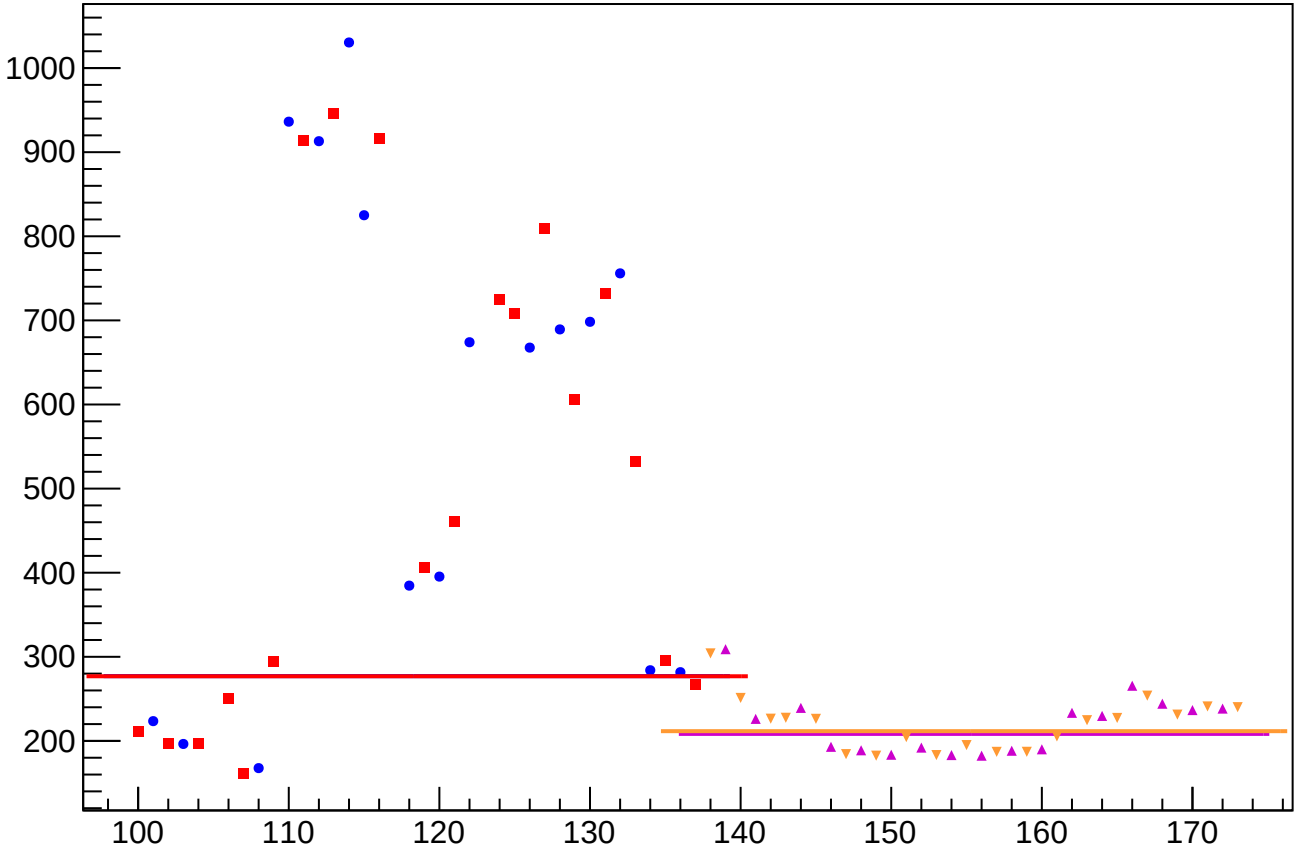
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: 0.004+/-0.051 χ^2/NDF:29.1/32

Out: 0.129+/-0.050 χ^2/NDF:54.5/37

All: 0.067+/-0.036 χ^2/NDF: 86.7/70

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 211.585+/-0.039 χ^2/NDF:507165.1/18

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 208.349+/-0.040 χ^2/NDF:562240.5/16

Left: 209.999+/-0.028 χ^2/NDF: 1072766.3/35

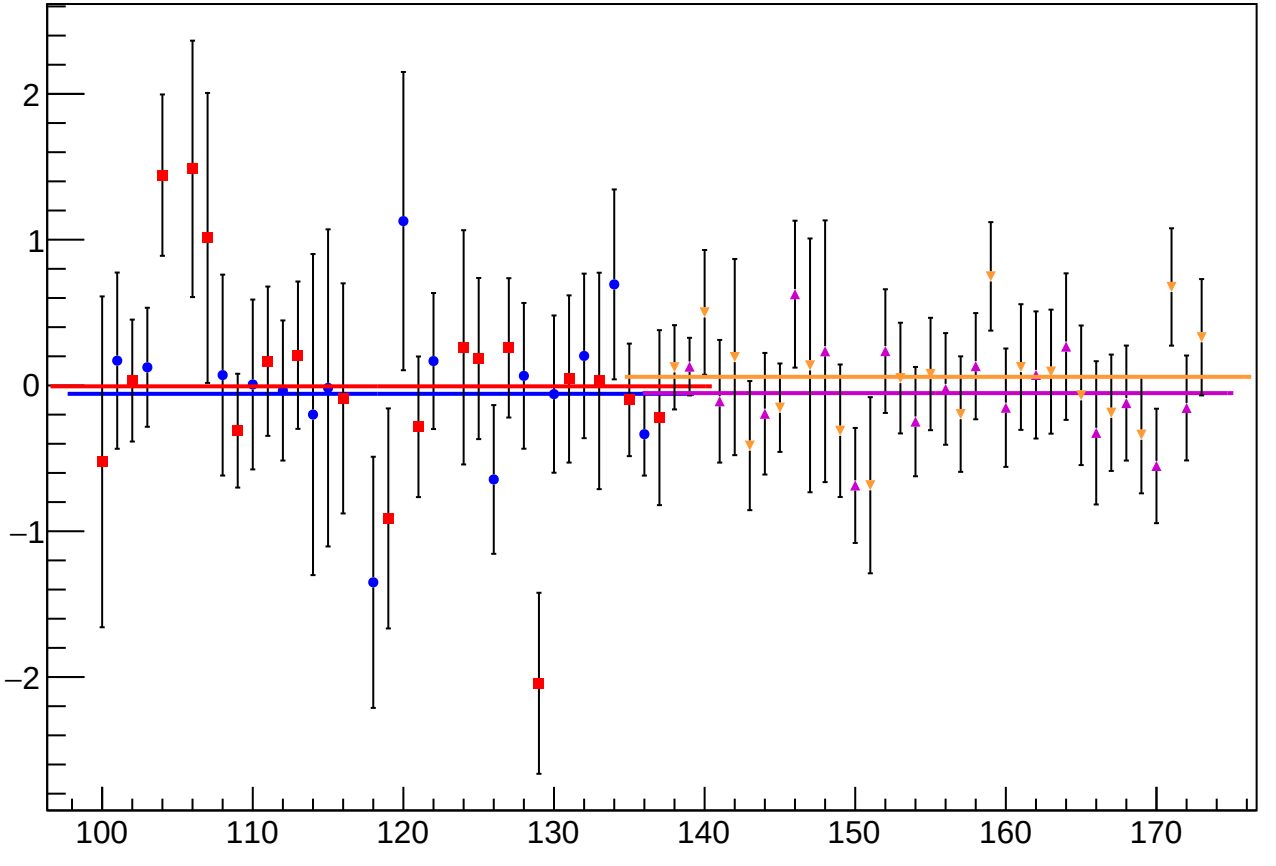
Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 220.832+/-0.036 χ^2/NDF:4552380.8/32

Out: 223.051+/-0.035 χ^2/NDF:4569175.8/37

All: 221.960+/-0.025 χ^2/NDF: 9123480.6/70

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.059+/-0.095 χ^2/NDF:13.1/18

Right Out: -0.006+/-0.129 χ^2/NDF: 25.2/18

Left In: -0.052+/-0.093 χ^2/NDF:9.1/16

Left: 0.002+/-0.066 χ^2/NDF: 22.8/35

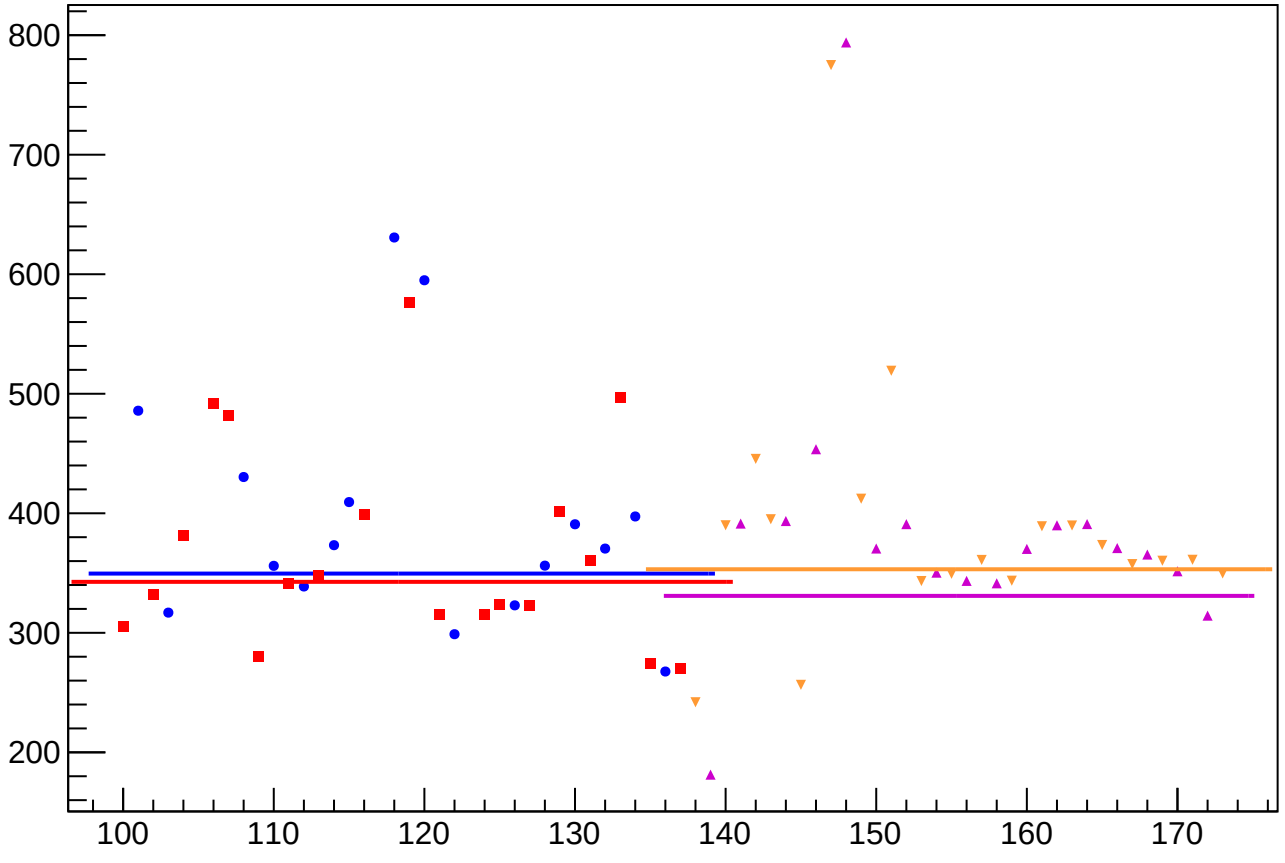
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: -0.054+/-0.076 χ^2/NDF:17.2/32

Out: 0.036+/-0.076 χ^2/NDF:38.4/37

All: -0.009+/-0.054 χ^2/NDF: 56.3/70

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 353.171+/-0.067 χ^2/NDF:1262691.9/18

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 330.903+/-0.066 χ^2/NDF:2075510.3/16

Left: 341.854+/-0.047 χ^2/NDF: 3394643.5/35

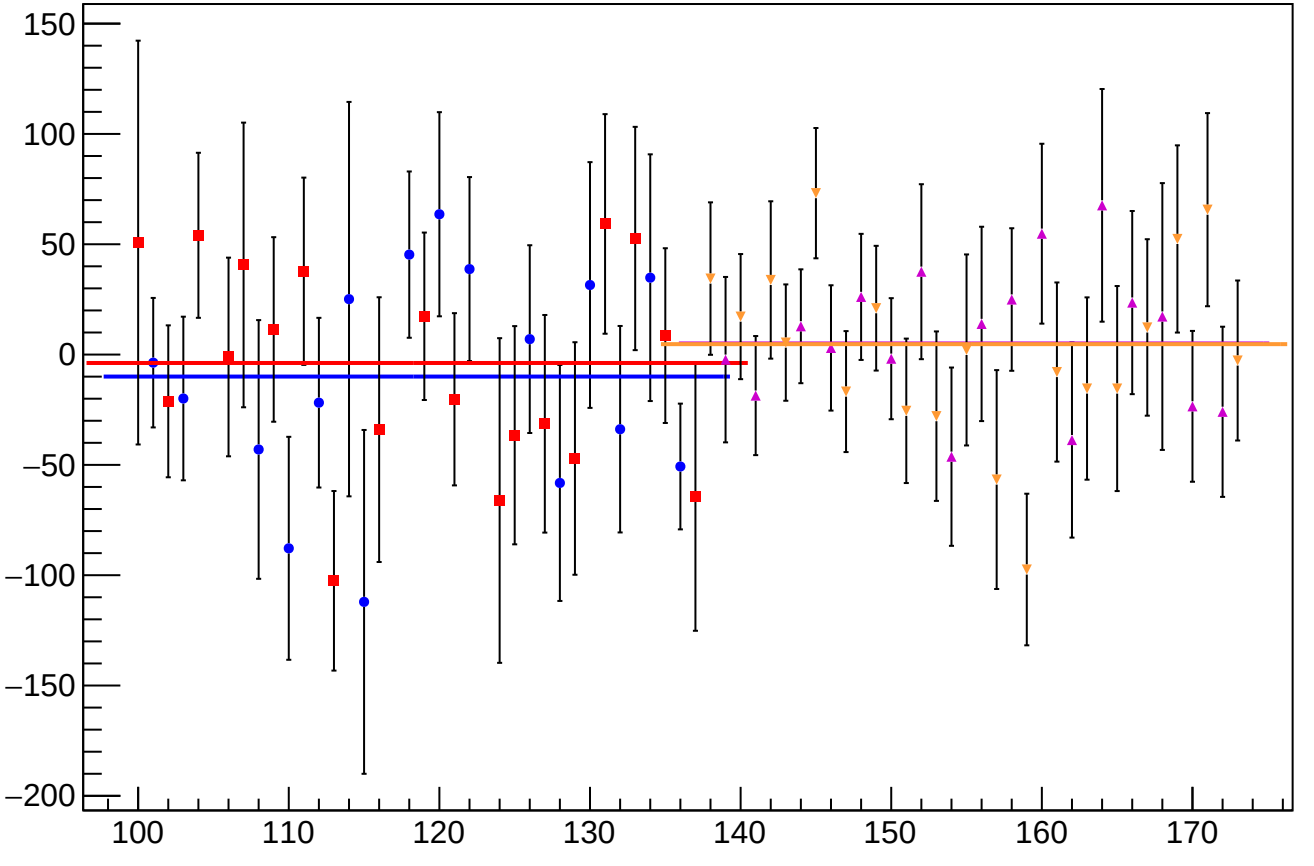
Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 336.976+/-0.054 χ^2/NDF:2801041.3/32

Out: 349.491+/-0.054 χ^2/NDF:1847130.3/37

All: 343.244+/-0.038 χ^2/NDF: 4675088.0/70

diff_bpmE_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 4.723+/-8.018 χ^2/NDF:23.7/18

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 5.039+/-8.465 χ^2/NDF:9.7/16

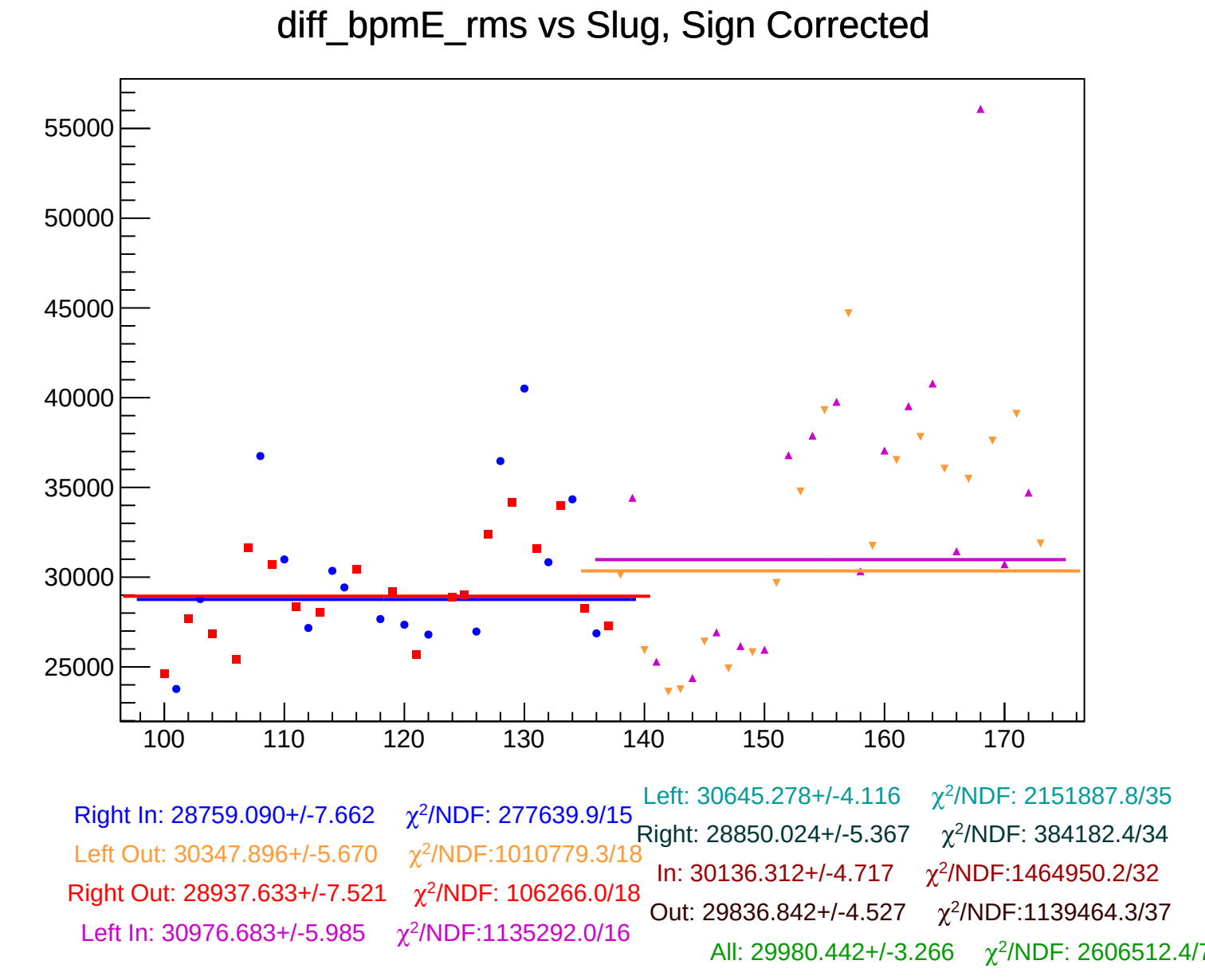
Left: 4.873+/-5.821 χ^2/NDF: 33.3/35

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

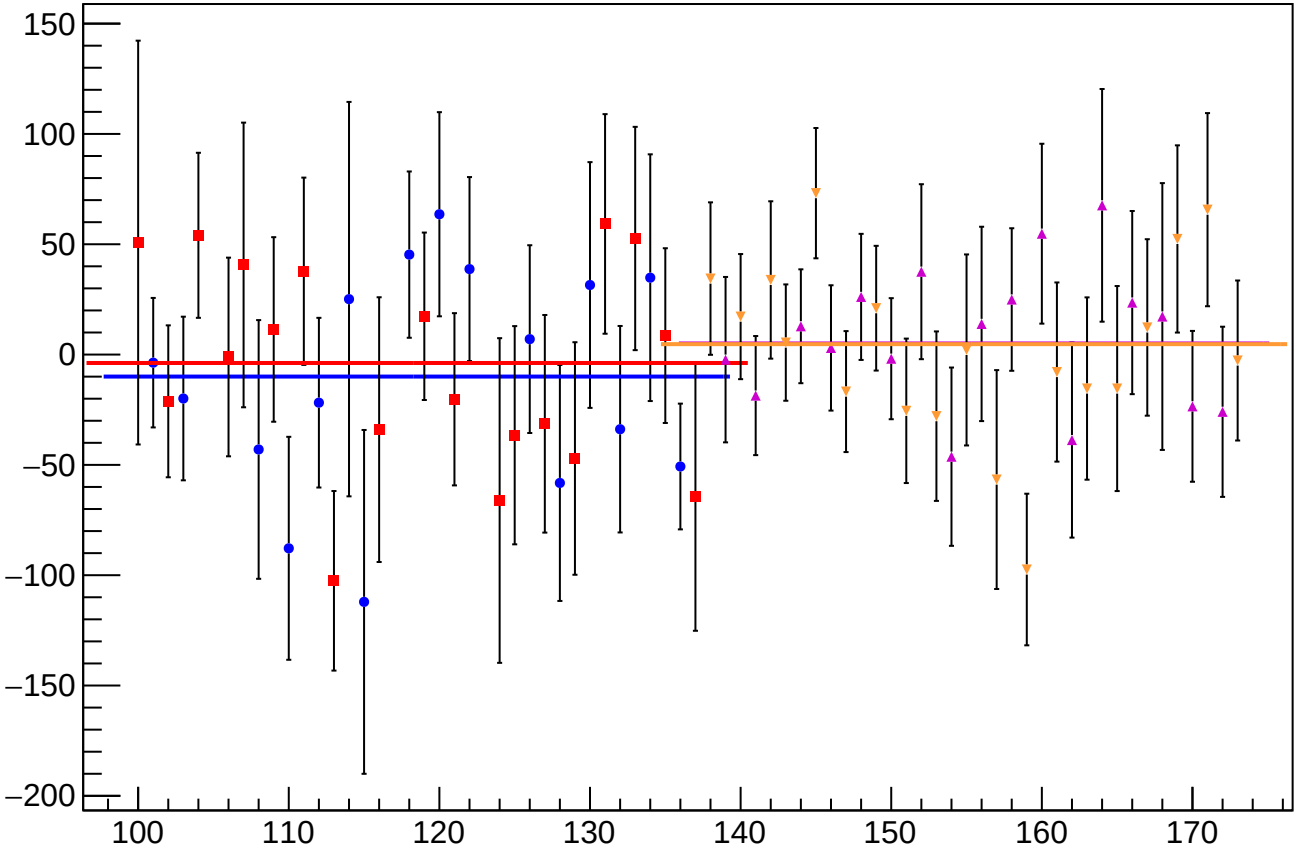
In: -0.648+/-6.671 χ^2/NDF:26.2/32

Out: 1.630+/-6.403 χ^2/NDF:41.4/37

All: 0.537+/-4.619 χ^2/NDF: 67.6/70


diff_bpmE_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 30347.896+/-5.670 χ²/NDF:1010779.3/18
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 30976.683+/-5.985 χ²/NDF:1135292.0/16
Left: 30645.278+/-4.116 χ²/NDF: 2151887.8/35
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30136.312+/-4.717 χ²/NDF:1464950.2/32
Out: 29836.842+/-4.527 χ²/NDF:1139464.3/37
All: 29980.442+/-3.266 χ²/NDF: 2606512.4/7

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 4.723+/-8.018 χ^2/NDF:23.7/18

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 5.039+/-8.465 χ^2/NDF:9.7/16

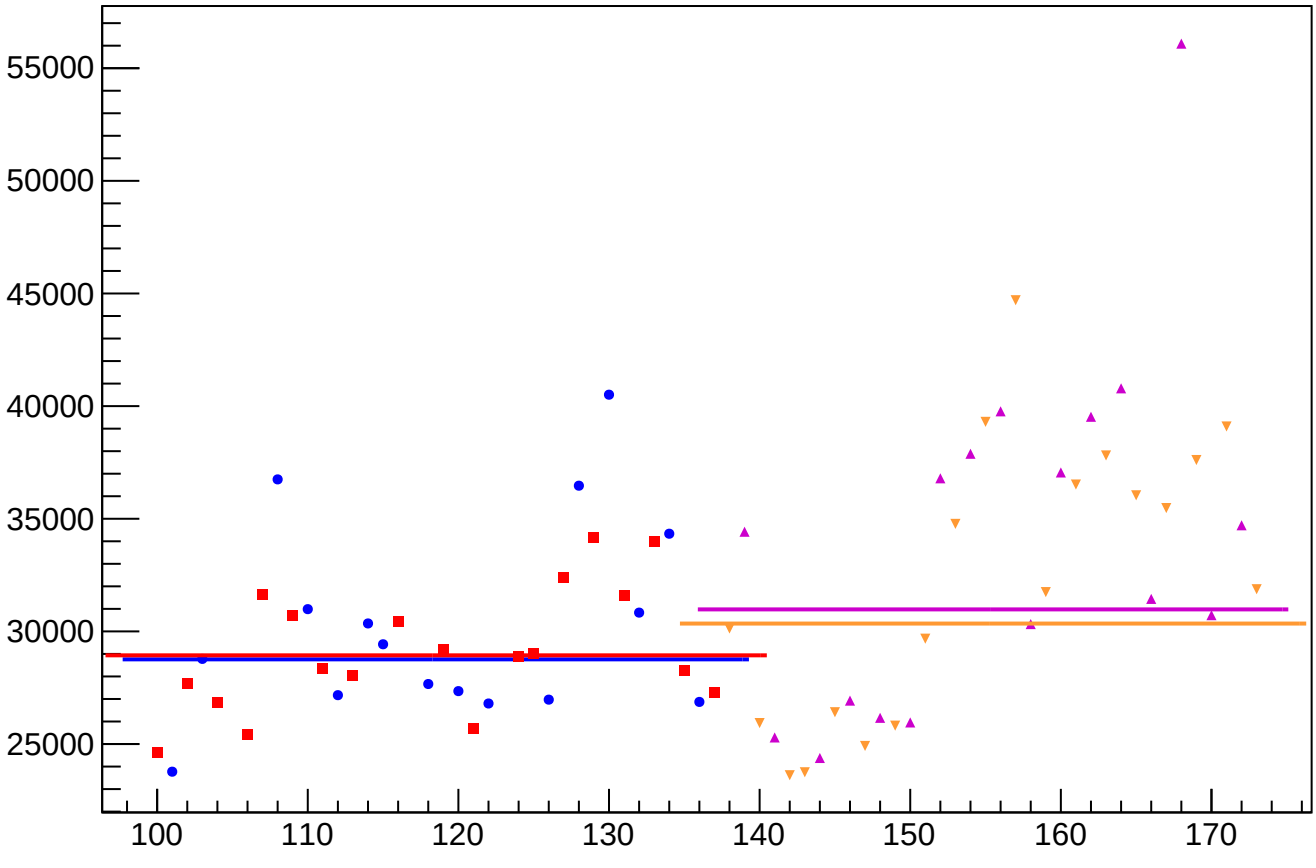
Left: 4.873+/-5.821 χ^2/NDF: 33.3/35

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -0.648+/-6.671 χ^2/NDF:26.2/32

Out: 1.630+/-6.403 χ^2/NDF:41.4/37

All: 0.537+/-4.619 χ^2/NDF: 67.6/70



Right In: 28759.090+/-7.662 χ^2/NDF: 277639.9/15

Left Out: 30347.896+/-5.670 χ^2/NDF:1010779.3/18

Right Out: 28937.633+/-7.521 χ^2/NDF: 106266.0/18

Left In: 30976.683+/-5.985 χ^2/NDF:1135292.0/16

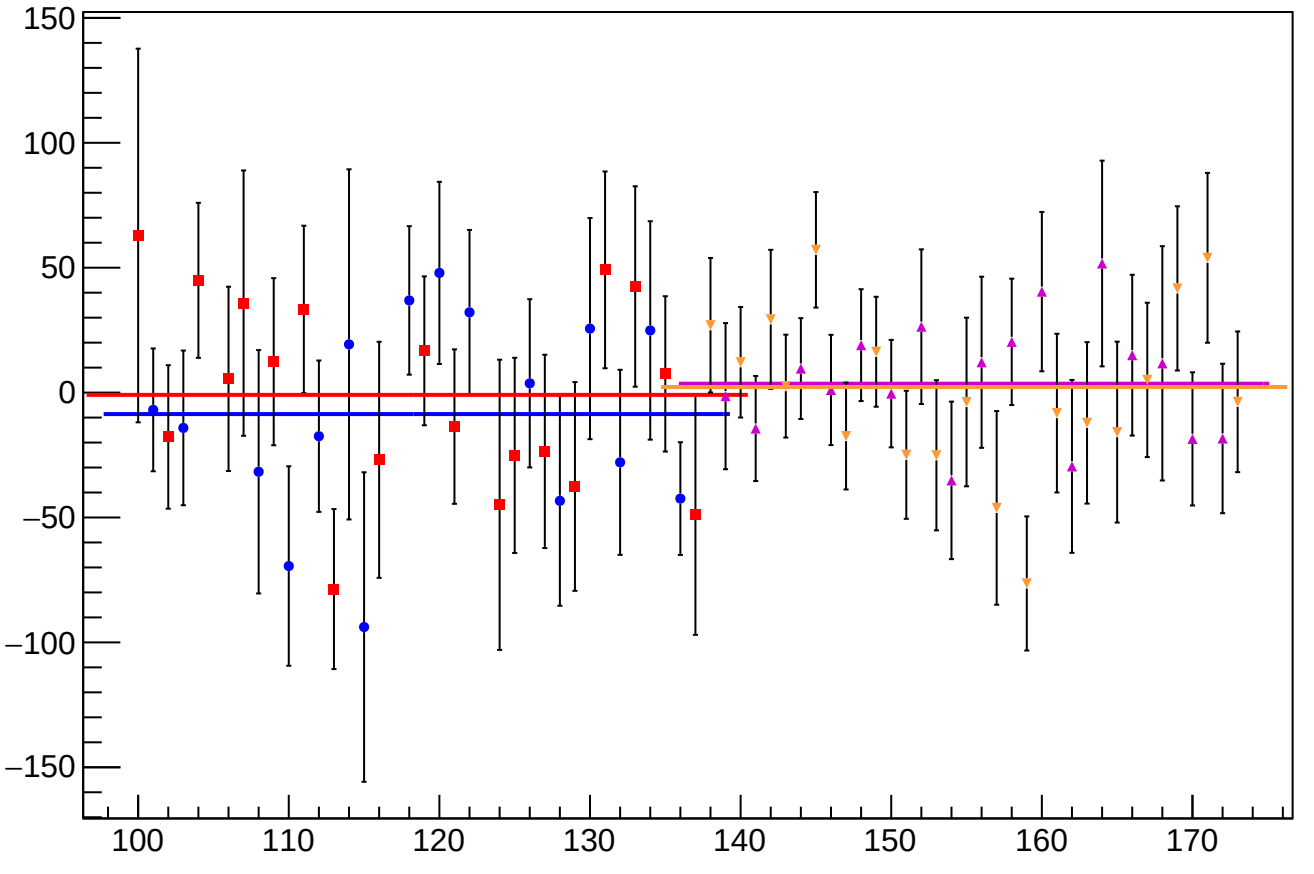
Left: 30645.278+/-4.116 χ^2/NDF: 2151887.8/35

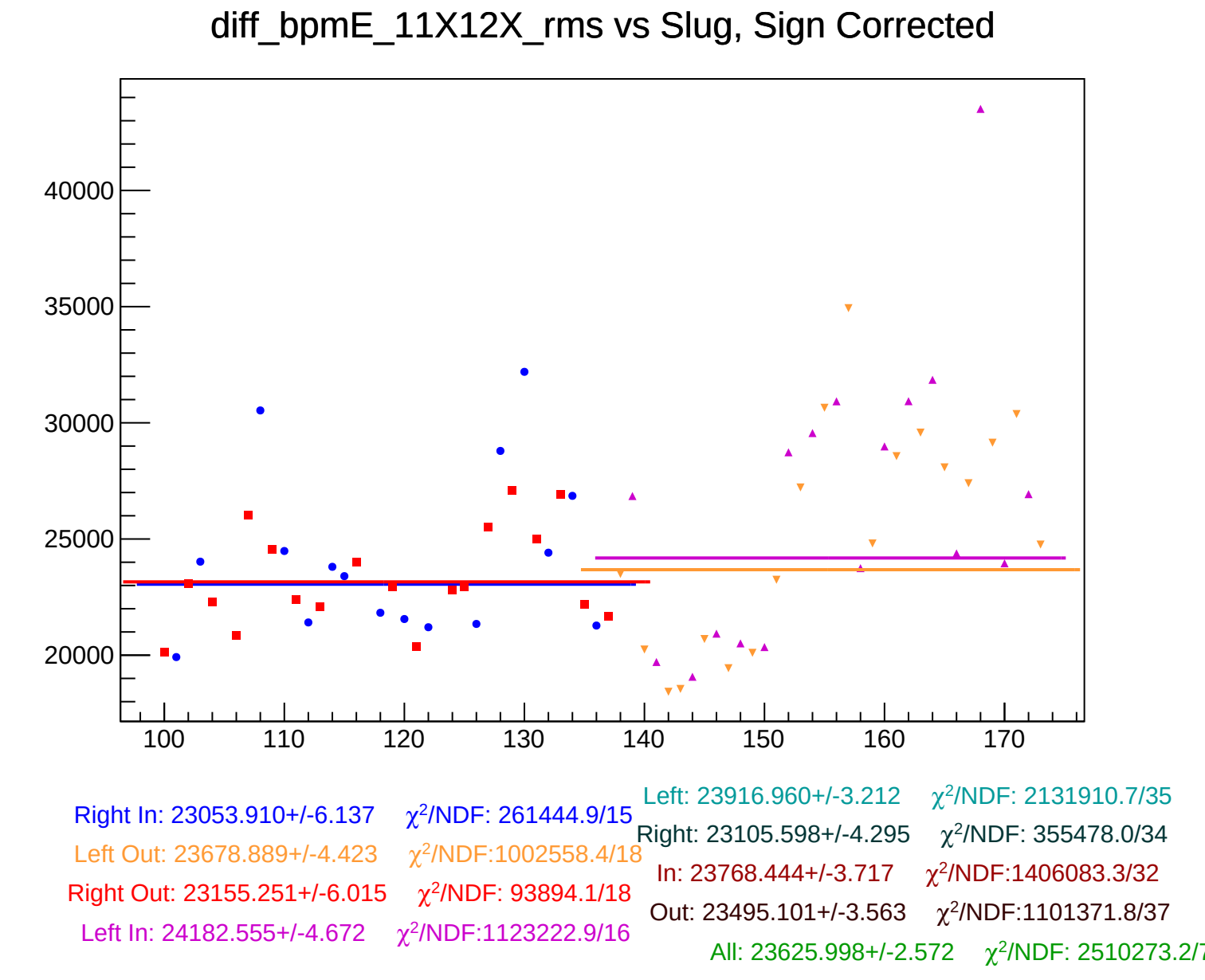
Right: 28850.024+/-5.367 χ^2/NDF: 384182.4/34

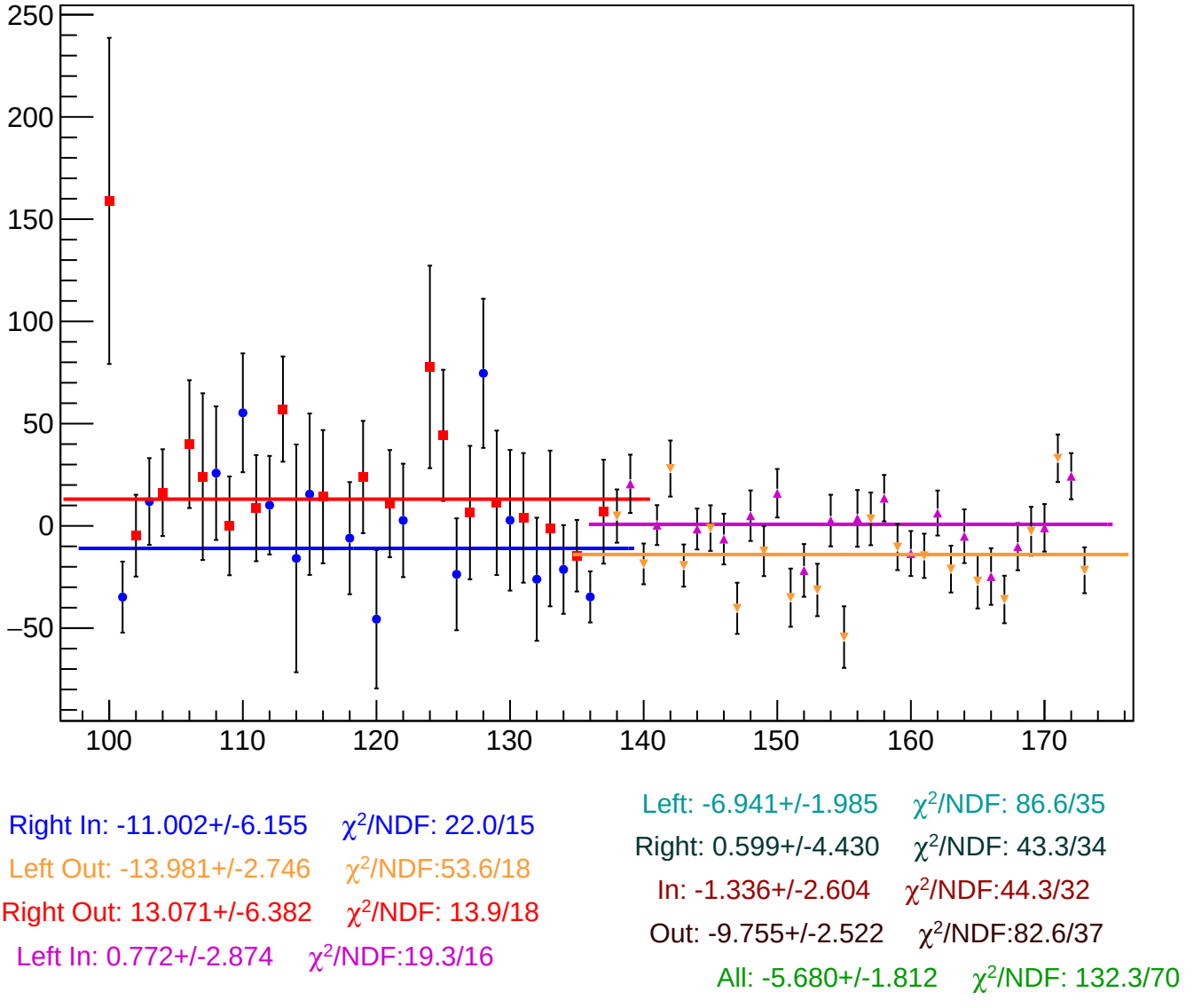
In: 30136.312+/-4.717 χ^2/NDF:1464950.2/32

Out: 29836.842+/-4.527 χ^2/NDF:1139464.3/37

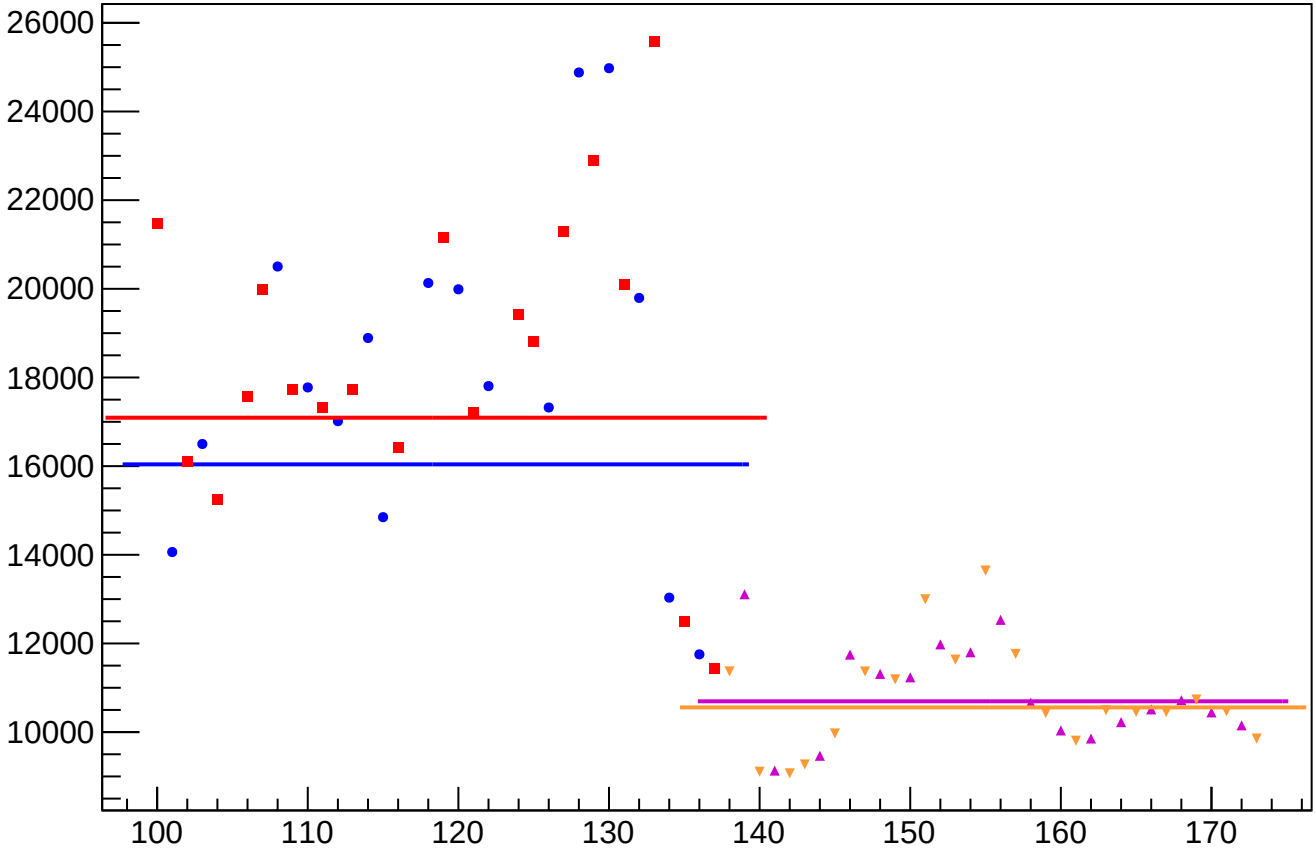
All: 29980.442+/-3.266 χ^2/NDF: 2606512.4/7


diff_bpmE_11X12X_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
Right In: -8.599+/-8.678 χ²/NDF: 15.5/15
Left Out: 2.233+/-6.255 χ²/NDF:25.4/18
Right Out: -0.904+/-8.506 χ²/NDF: 17.6/18
Left In: 3.561+/-6.607 χ²/NDF:8.9/16
Left: 2.861+/-4.542 χ²/NDF: 34.3/35
Right: -4.674+/-6.075 χ²/NDF: 33.5/34
In: -0.901+/-5.257 χ²/NDF:25.7/32
Out: 1.132+/-5.039 χ²/NDF:43.0/37
All: 0.159+/-3.638 χ²/NDF: 68.8/70


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
110
120
130
140
150
160
170
Right In: 23053.910+/-6.137 χ²/NDF: 261444.9/15
Left Out: 23678.889+/-4.423 χ²/NDF:1002558.4/18
Right Out: 23155.251+/-6.015 χ²/NDF: 93894.1/18
Left In: 24182.555+/-4.672 χ²/NDF:1123222.9/16
Left: 23916.960+/-3.212 χ²/NDF: 2131910.7/35
Right: 23105.598+/-4.295 χ²/NDF: 355478.0/34
In: 23768.444+/-3.717 χ²/NDF:1406083.3/32
Out: 23495.101+/-3.563 χ²/NDF:1101371.8/37
All: 23625.998+/-2.572 χ²/NDF: 2510273.2/7


diff_bpm4aesumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
Right In: -11.002+/-6.155 χ²/NDF: 22.0/15
Left Out: -13.981+/-2.746 χ²/NDF:53.6/18
Right Out: 13.071+/-6.382 χ²/NDF: 13.9/18
Left In: 0.772+/-2.874 χ²/NDF:19.3/16
Left: -6.941+/-1.985 χ²/NDF: 86.6/35
Right: 0.599+/-4.430 χ²/NDF: 43.3/34
In: -1.336+/-2.604 χ²/NDF:44.3/32
Out: -9.755+/-2.522 χ²/NDF:82.6/37
All: -5.680+/-1.812 χ²/NDF: 132.3/70

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10557.380+/-1.942 χ^2/NDF:317122.0/18

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10694.983+/-2.032 χ^2/NDF:260003.7/16

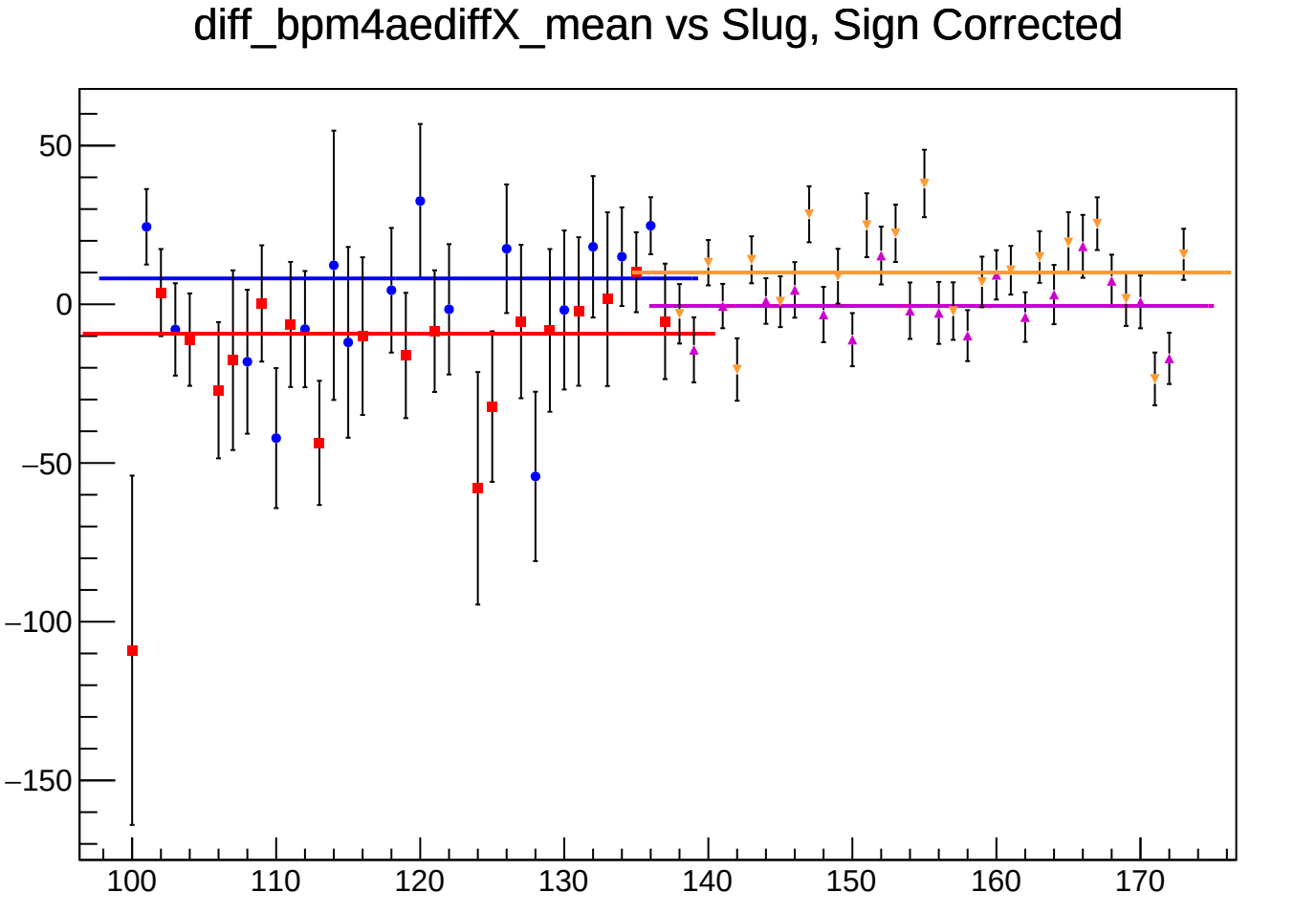
Left: 10623.045+/-1.404 χ^2/NDF: 579522.4/35

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

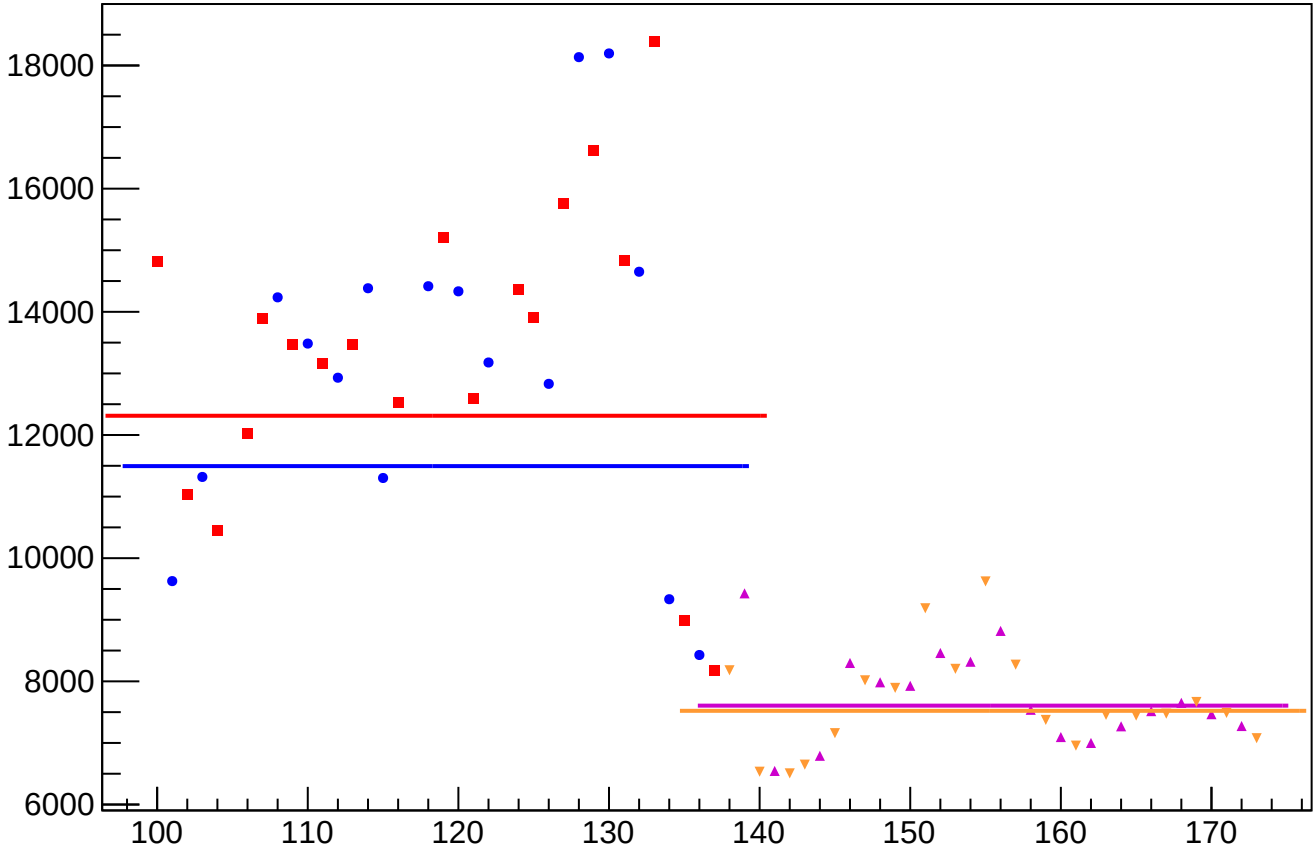
In: 11651.827+/-1.841 χ^2/NDF:2220995.9/32

Out: 11578.258+/-1.784 χ^2/NDF:2622255.0/37

All: 11613.869+/-1.281 χ^2/NDF: 4844074.6/7


diff_bpm4aediffX_mean vs Slug, Sign Corrected
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
Right In: 8.150+/-4.423 χ²/NDF: 21.8/15
Left Out: 10.019+/-1.955 χ²/NDF:53.2/18
Right Out: -9.270+/-4.607 χ²/NDF: 13.9/18
Left In: -0.513+/-2.043 χ²/NDF:19.0/16
Left: 4.985+/-1.413 χ²/NDF: 86.1/35
Right: -0.204+/-3.191 χ²/NDF: 43.1/34
In: 1.011+/-1.855 χ²/NDF:44.0/32
Out: 7.075+/-1.800 χ²/NDF:81.9/37
All: 4.134+/-1.292 χ²/NDF: 131.4/70

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7521.593+/-1.383 χ^2/NDF:288084.8/18

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7605.756+/-1.445 χ^2/NDF:242985.1/16

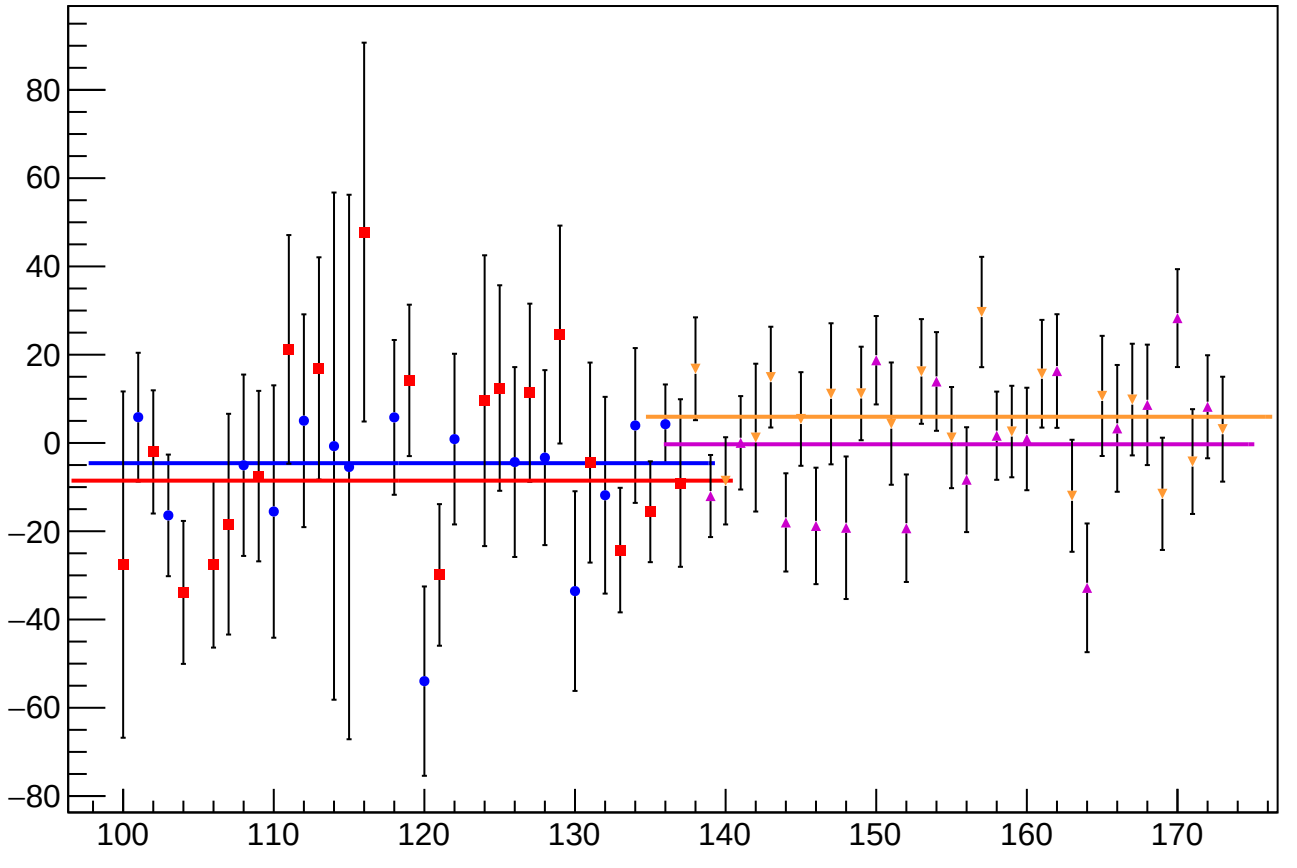
Left: 7561.823+/-0.999 χ^2/NDF: 532841.2/35

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 8289.837+/-1.312 χ^2/NDF:2307467.8/32

Out: 8252.812+/-1.273 χ^2/NDF:2719489.0/37

All: 8270.767+/-0.913 χ^2/NDF: 5027367.2/70



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 5.940+/-2.761 χ^2/NDF:14.2/18

Right Out: -8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: -0.296+/-2.842 χ^2/NDF:29.9/16

Left: 2.912+/-1.981 χ^2/NDF: 46.7/35

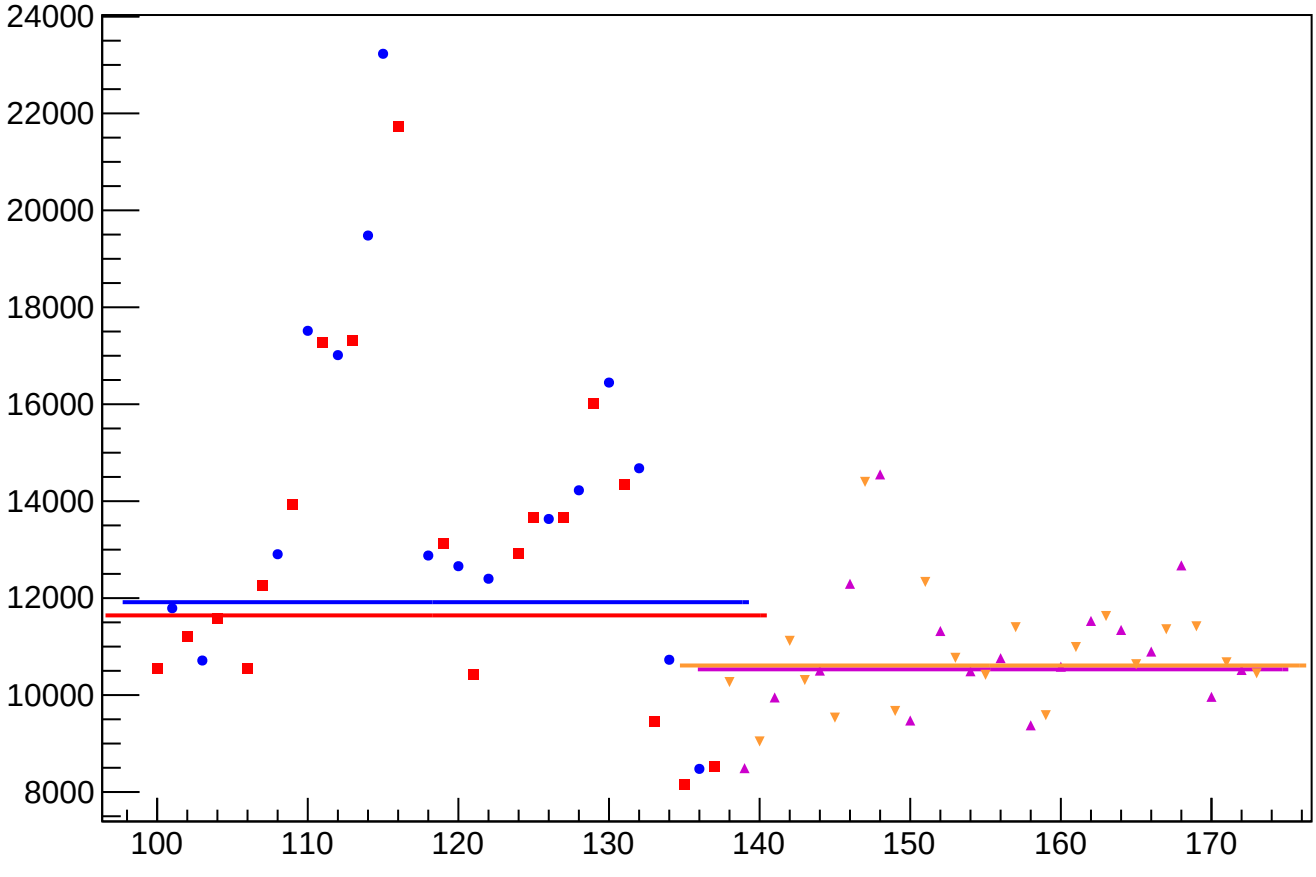
Right: -6.629+/-3.161 χ^2/NDF: 27.8/34

In: -1.496+/-2.411 χ^2/NDF:40.8/32

Out: 1.839+/-2.338 χ^2/NDF:39.2/37

All: 0.223+/-1.678 χ^2/NDF: 81.0/70

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10610.266+/-1.953 χ^2/NDF:293664.9/18

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10531.148+/-2.010 χ^2/NDF:394276.4/16

Left: 10571.847+/-1.400 χ^2/NDF: 688738.6/35

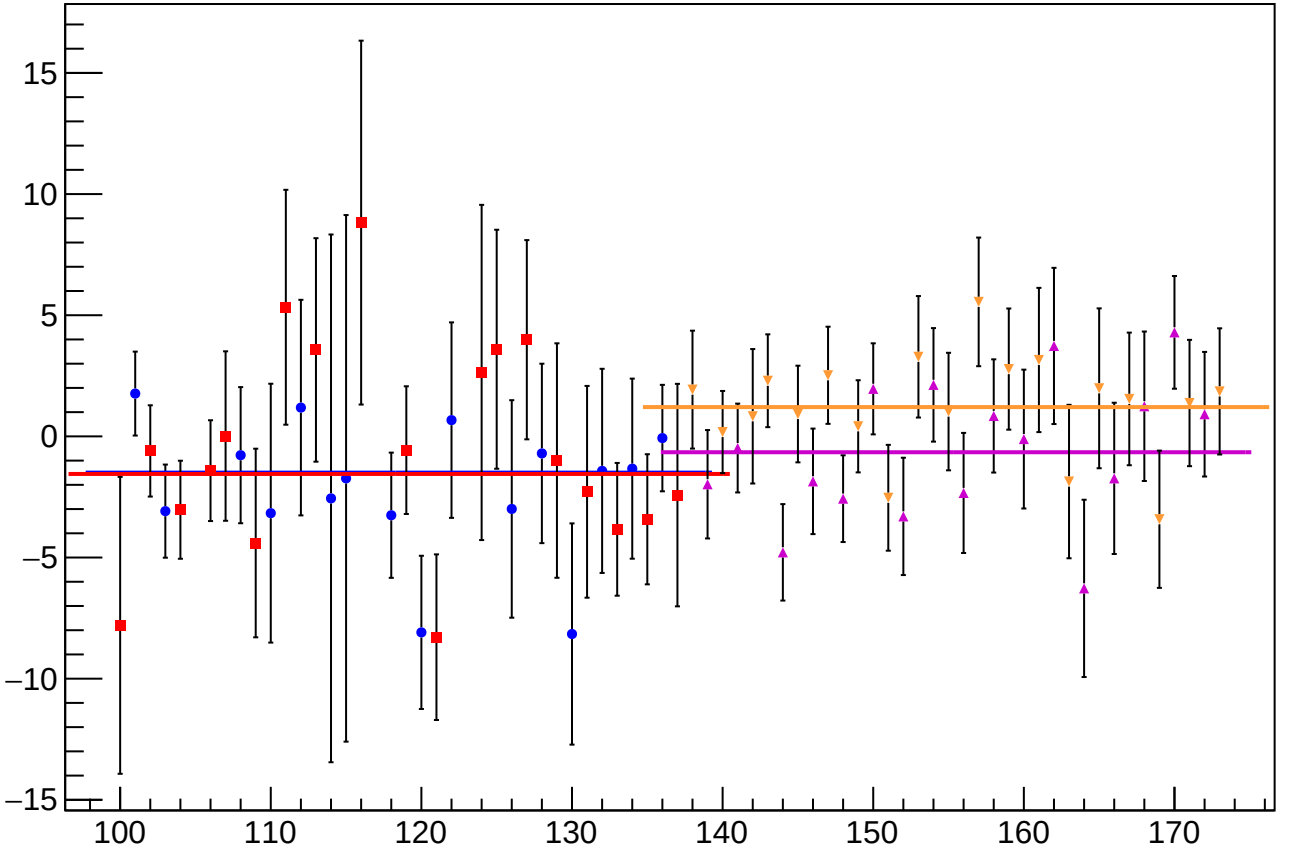
Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 10919.460+/-1.705 χ^2/NDF:1277219.0/32

Out: 10903.012+/-1.653 χ^2/NDF:1163363.6/37

All: 10910.982+/-1.187 χ^2/NDF: 2440630.6/7

diff_bpm4aediffY_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.209+/-0.543 χ^2/NDF:12.3/18

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -0.655+/-0.569 χ^2/NDF:21.2/16

Left: 0.320+/-0.393 χ^2/NDF: 39.1/35

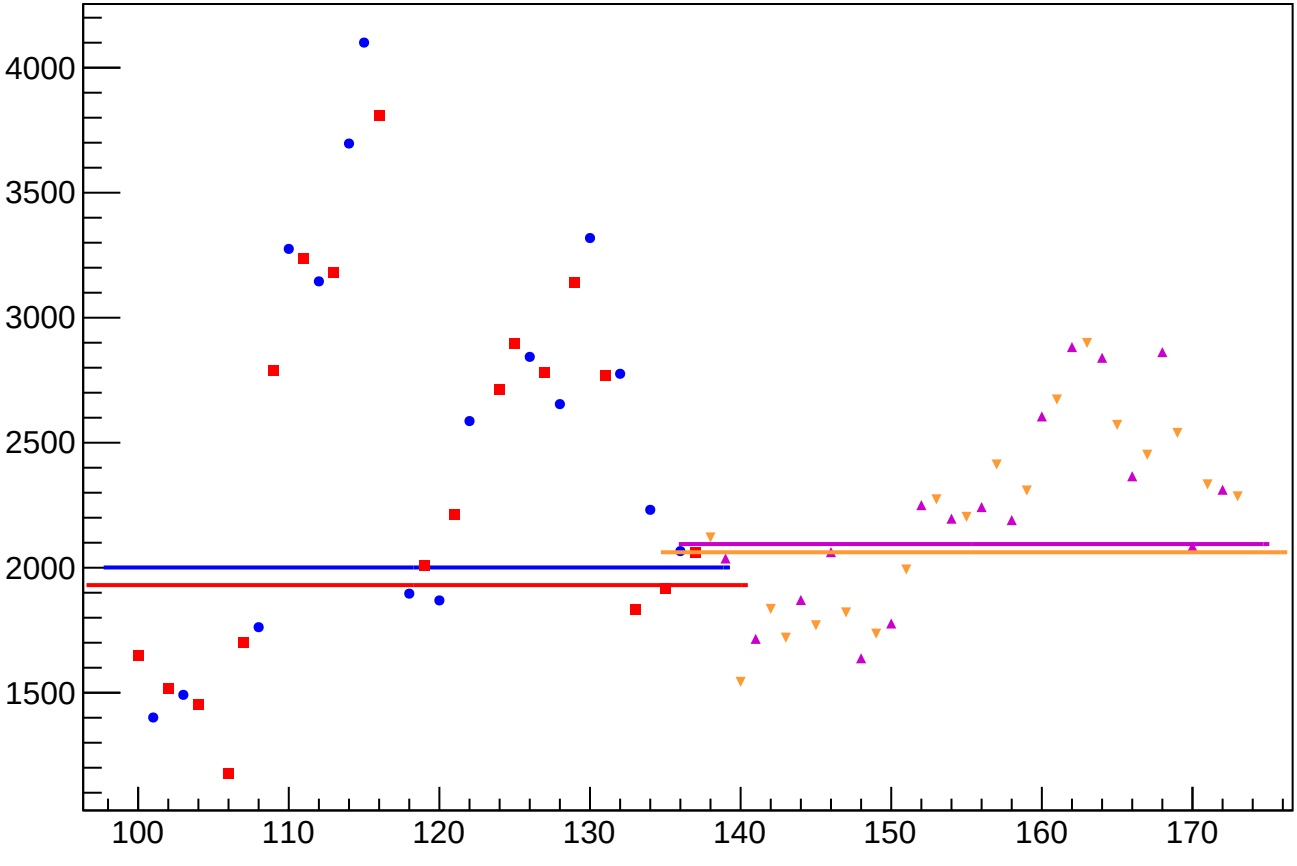
Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -0.948+/-0.459 χ^2/NDF:34.5/32

Out: 0.251+/-0.439 χ^2/NDF:37.5/37

All: -0.321+/-0.317 χ^2/NDF: 75.6/70

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 2061.809+/-0.384 χ^2/NDF:878660.8/18

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 2094.693+/-0.402 χ^2/NDF:741880.4/16

Left: 2077.484+/-0.278 χ^2/NDF: 1624039.9/35

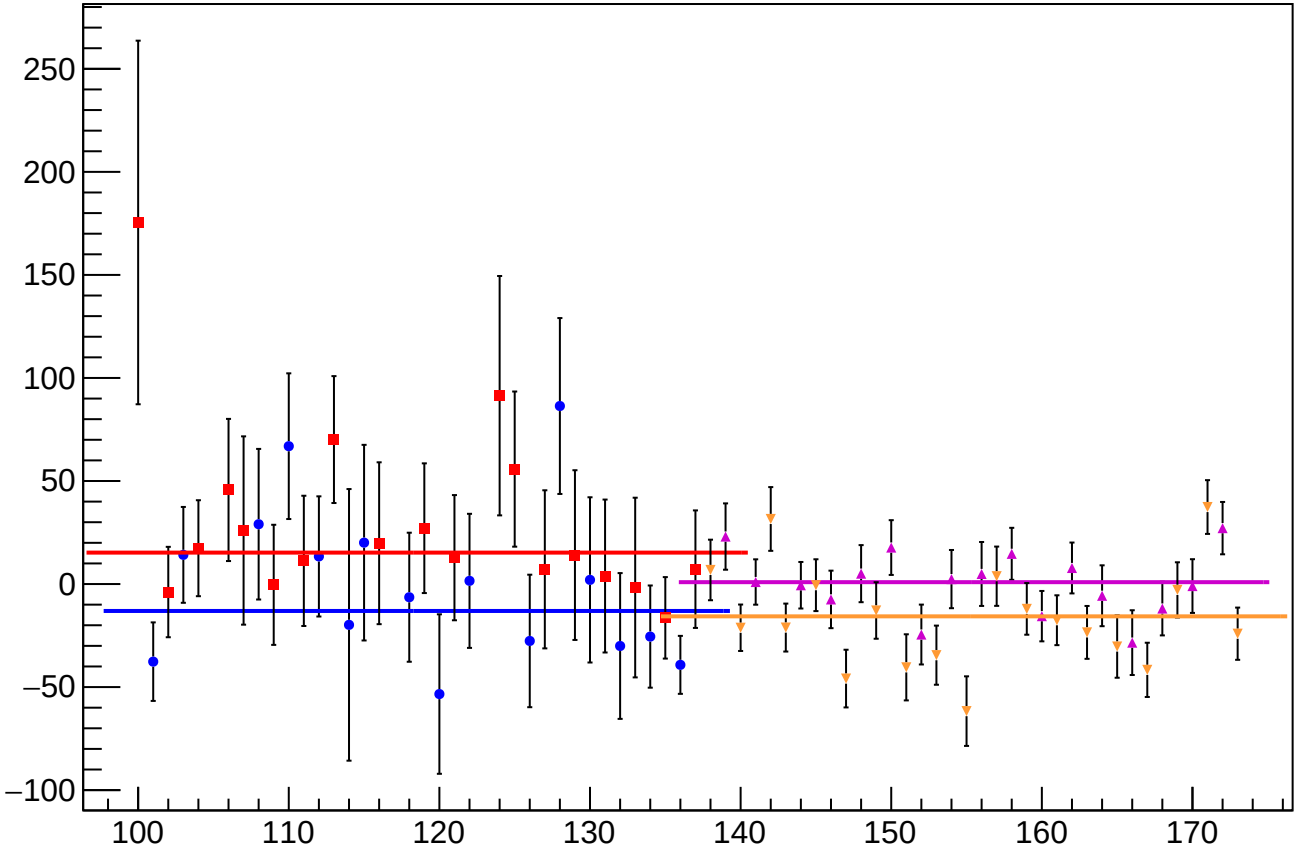
Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

In: 2062.073+/-0.325 χ^2/NDF:1950559.7/32

Out: 2016.213+/-0.310 χ^2/NDF:2322873.3/37

All: 2038.092+/-0.224 χ^2/NDF: 4283864.3/70

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -15.679+/-3.086 χ^2/NDF:54.9/18

Right Out: 15.253+/-7.321 χ^2/NDF: 14.3/18

Left In: 0.908+/-3.227 χ^2/NDF:19.3/16

Left: -7.756+/-2.230 χ^2/NDF: 88.0/35

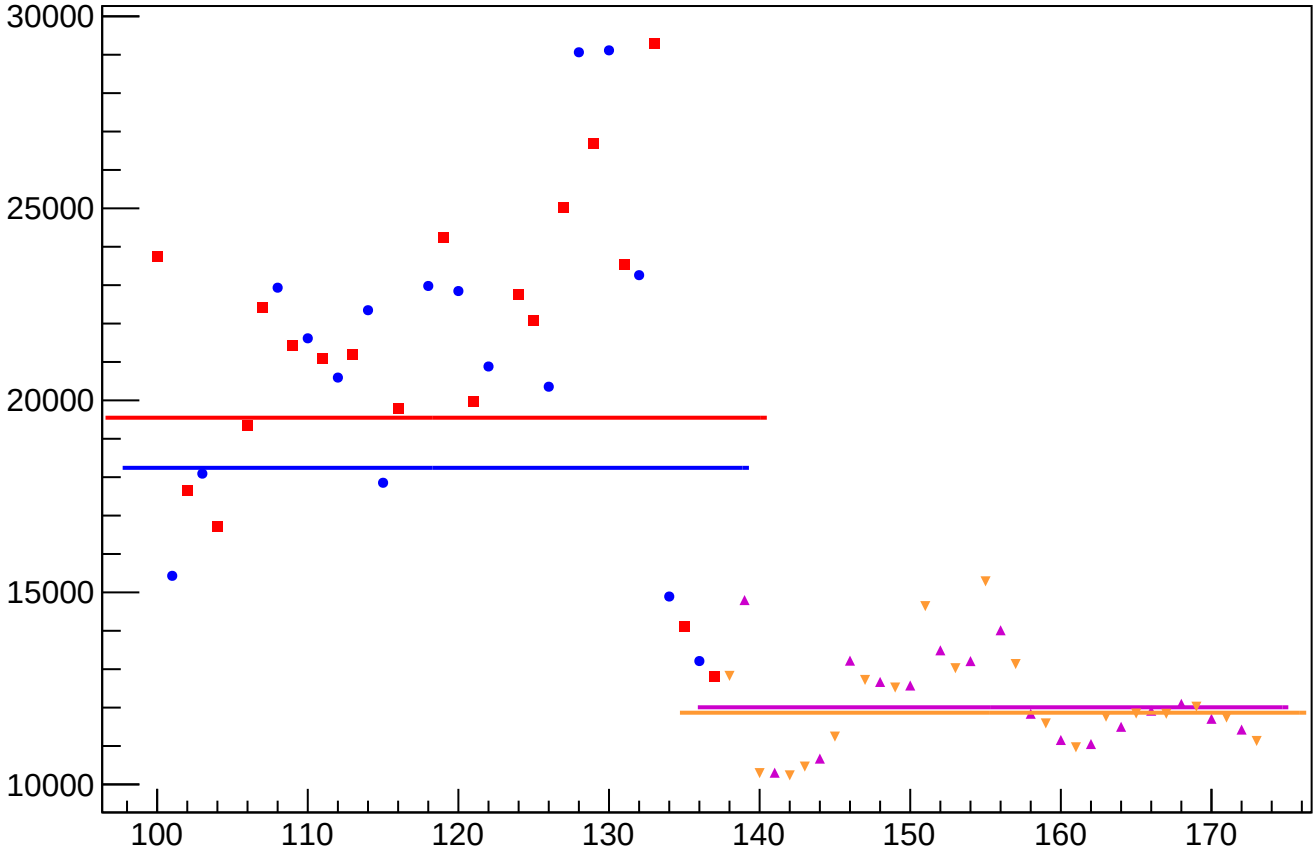
Right: 0.513+/-5.069 χ^2/NDF: 44.0/34

In: -1.526+/-2.932 χ^2/NDF:44.5/32

Out: -11.012+/-2.844 χ^2/NDF:84.4/37

All: -6.415+/-2.041 χ^2/NDF: 134.2/70

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11866.969+/-2.182 χ^2/NDF:305675.2/18

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 12008.302+/-2.282 χ^2/NDF:258025.6/16

Left: 11934.479+/-1.577 χ^2/NDF: 565704.8/35

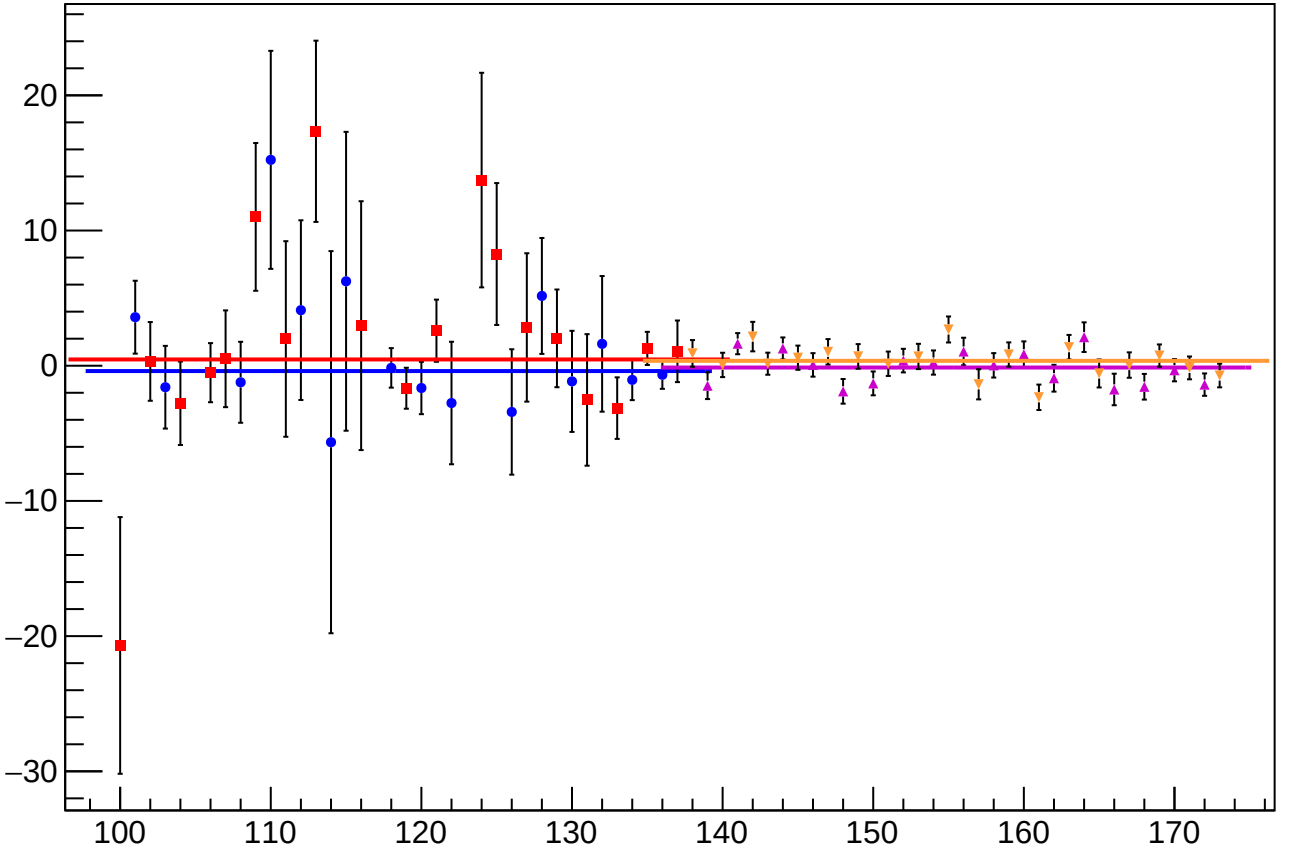
Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 13094.331+/-2.074 χ^2/NDF:2378411.2/32

Out: 13025.932+/-2.011 χ^2/NDF:2797146.8/37

All: 13059.079+/-1.443 χ^2/NDF: 5176118.8/7

diff_bpmtargetdiffX_mean vs Slug, Sign Corrected



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.362+/-0.212 χ^2/NDF:25.1/18

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: -0.133+/-0.221 χ^2/NDF:29.8/16

Left: 0.125+/-0.153 χ^2/NDF: 57.5/35

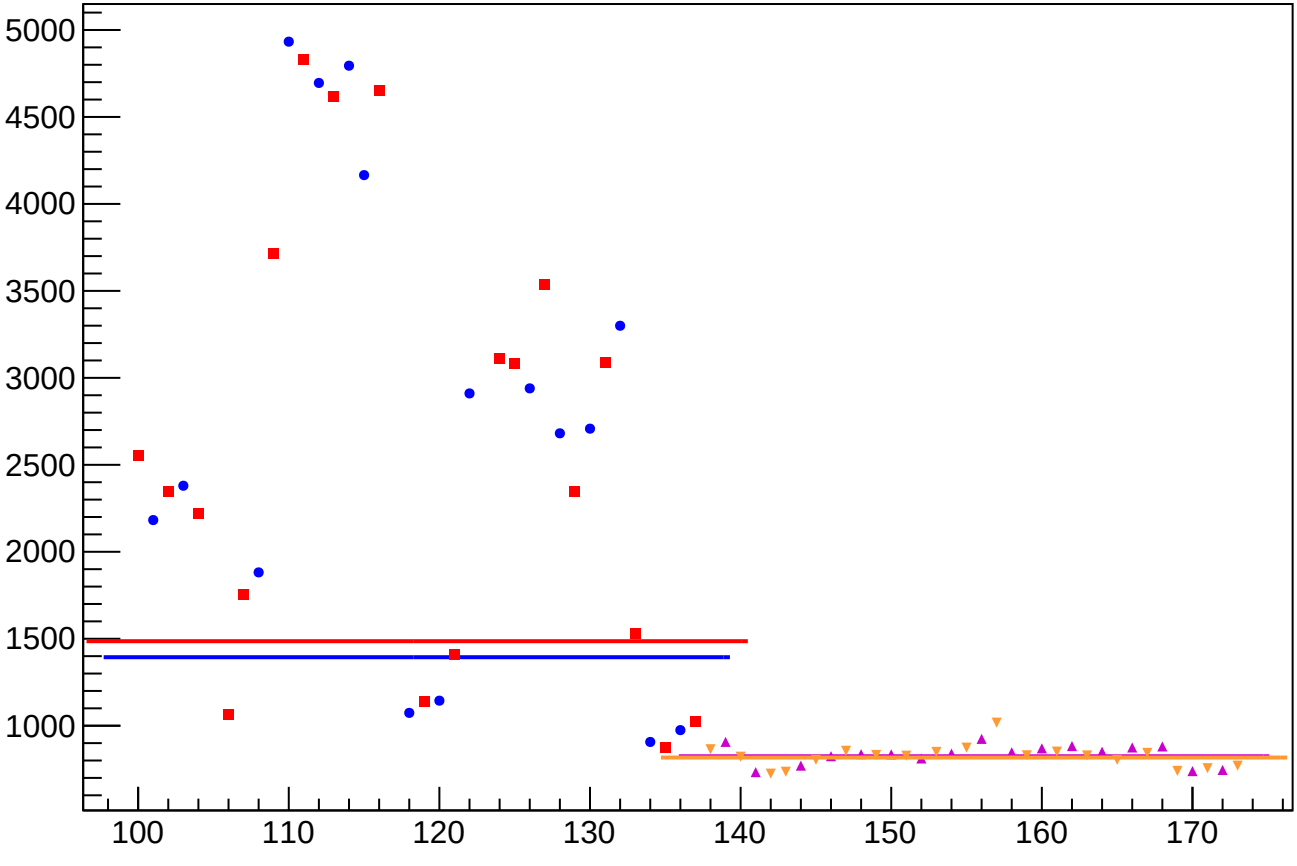
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.164+/-0.207 χ^2/NDF:40.4/32

Out: 0.372+/-0.201 χ^2/NDF:53.2/37

All: 0.112+/-0.144 χ^2/NDF: 97.0/70

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 817.093+/-0.150 χ^2/NDF:156838.5/18

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 824.484+/-0.156 χ^2/NDF:135219.6/16

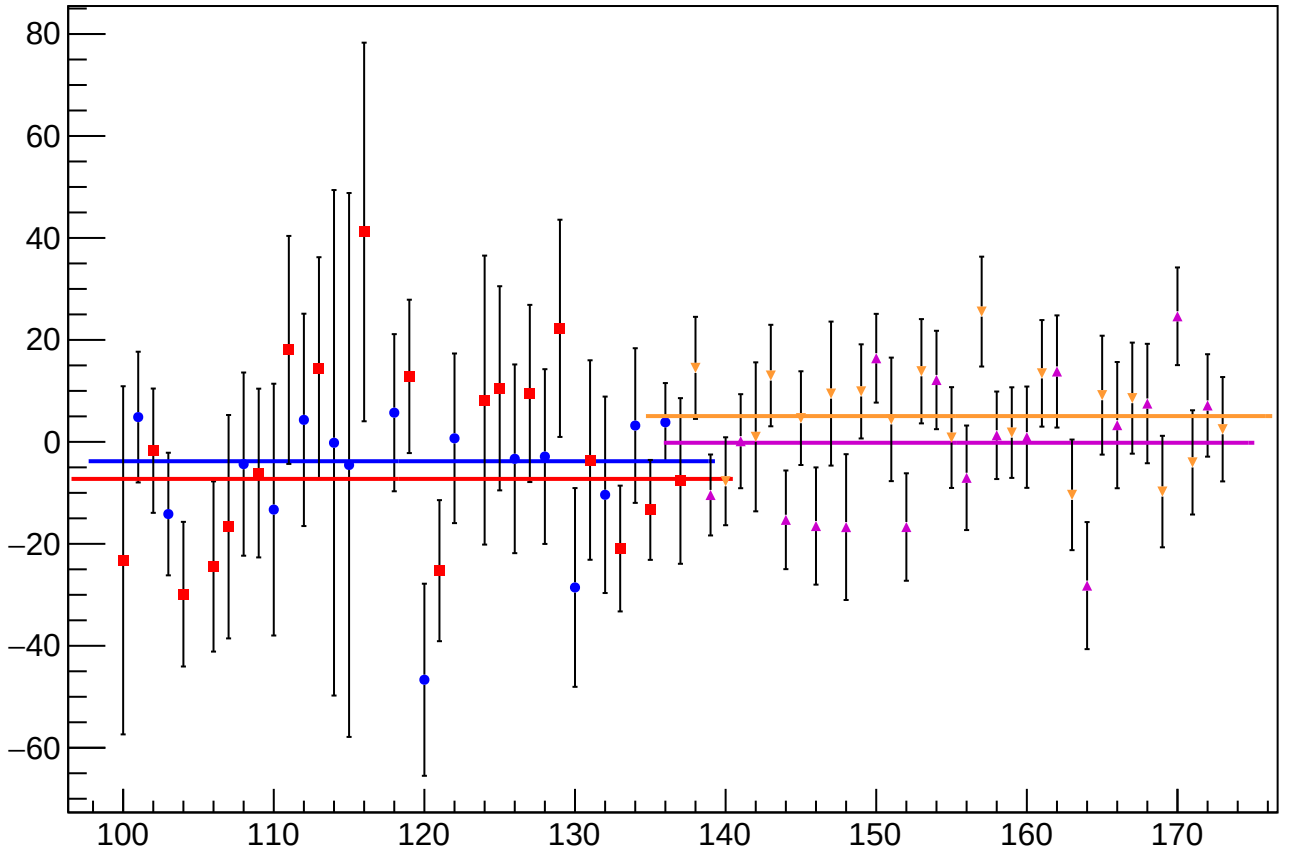
Left: 820.630+/-0.108 χ^2/NDF: 293223.3/35

Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 892.555+/-0.147 χ^2/NDF:5101561.8/32

Out: 884.298+/-0.142 χ^2/NDF:5558875.0/37

All: 888.294+/-0.102 χ^2/NDF: 10662070.9/70



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 5.058+/-2.387 χ^2/NDF:14.4/18

Right Out: -7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: -0.176+/-2.453 χ^2/NDF:30.1/16

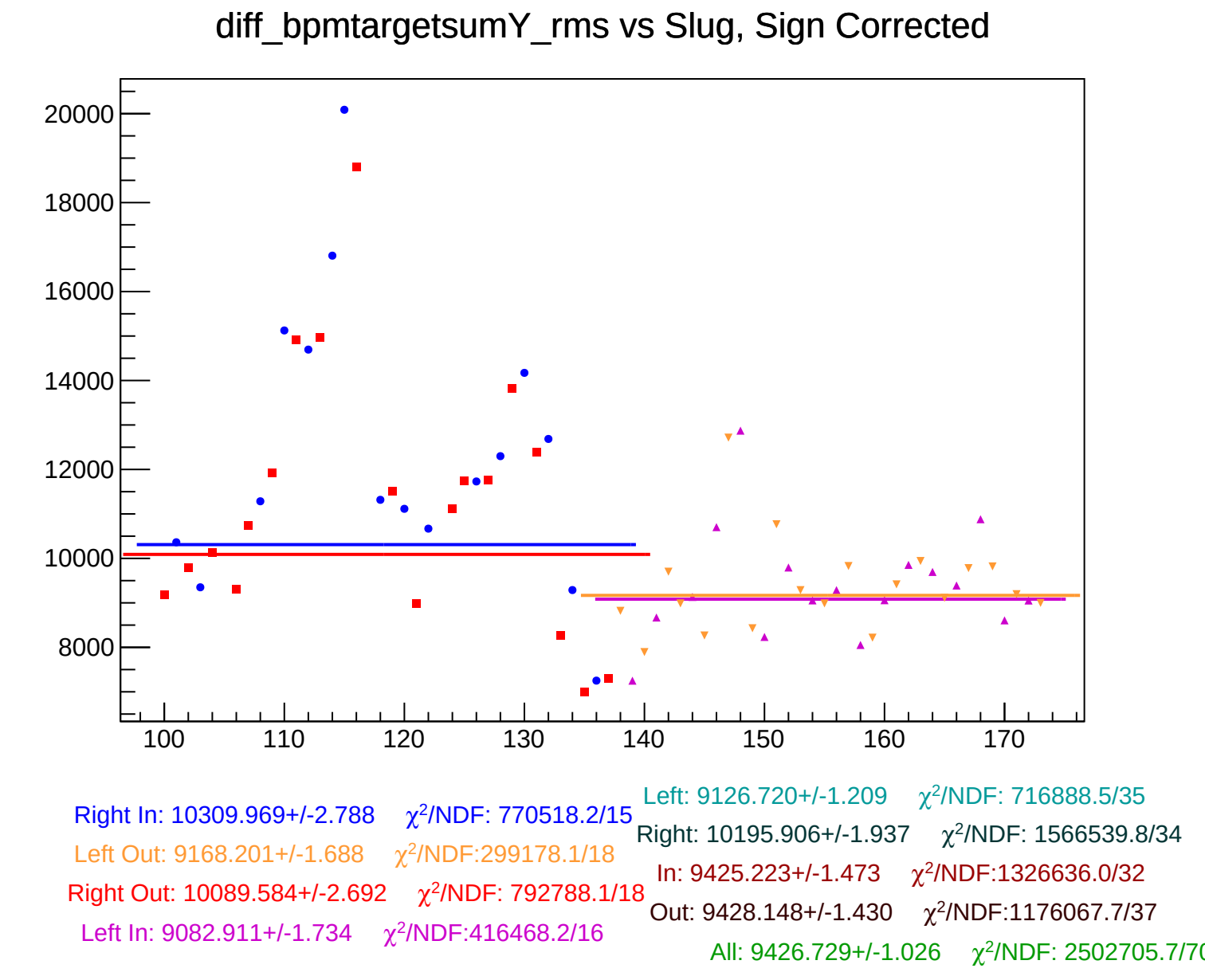
Left: 2.512+/-1.710 χ^2/NDF: 46.9/35

Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

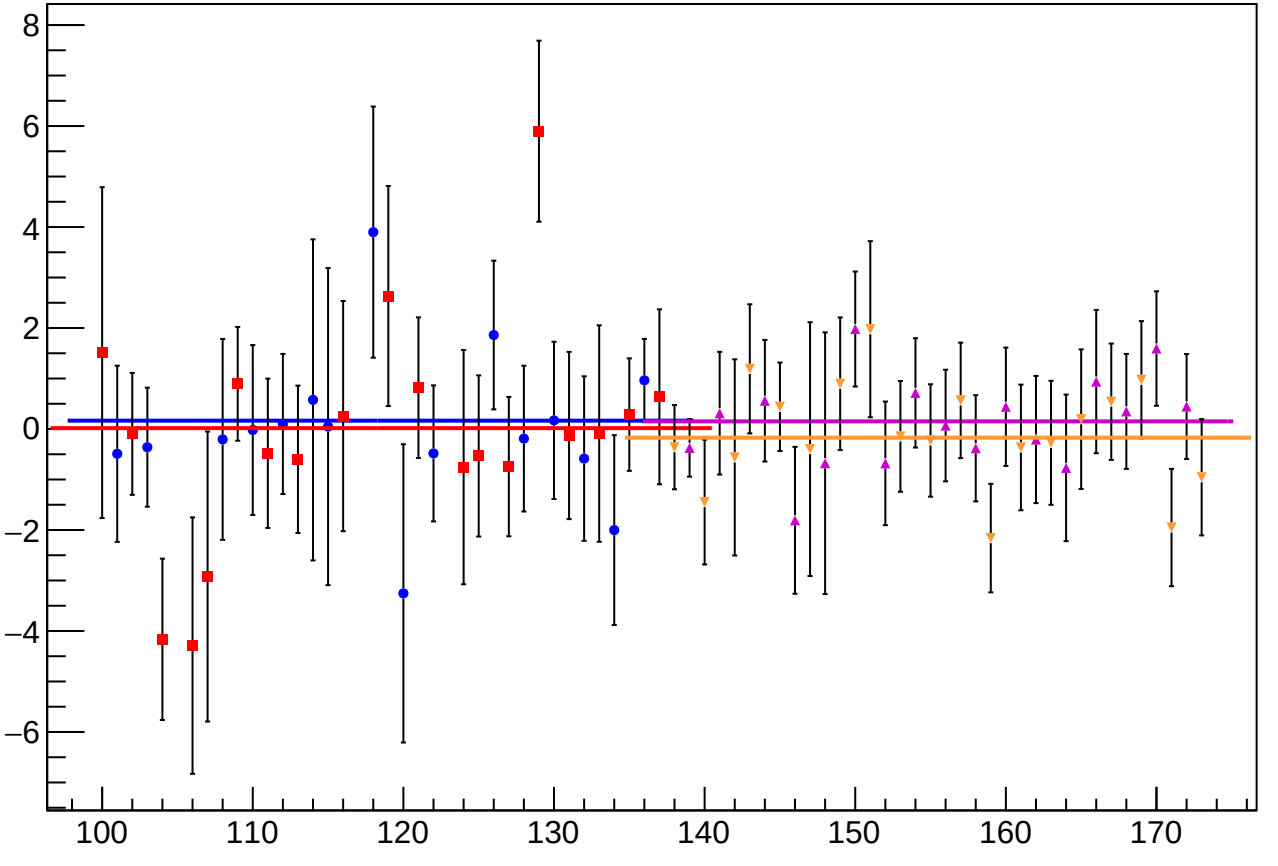
In: -1.186+/-2.083 χ^2/NDF:40.8/32

Out: 1.582+/-2.022 χ^2/NDF:39.2/37

All: 0.239+/-1.451 χ^2/NDF: 80.9/70


diff_bpmtargetsumY_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 10309.969+/-2.788 χ²/NDF: 770518.2/15
Left Out: 9168.201+/-1.688 χ²/NDF:299178.1/18
Right Out: 10089.584+/-2.692 χ²/NDF: 792788.1/18
Left In: 9082.911+/-1.734 χ²/NDF:416468.2/16
Left: 9126.720+/-1.209 χ²/NDF: 716888.5/35
Right: 10195.906+/-1.937 χ²/NDF: 1566539.8/34
In: 9425.223+/-1.473 χ²/NDF:1326636.0/32
Out: 9428.148+/-1.430 χ²/NDF:1176067.7/37
All: 9426.729+/-1.026 χ²/NDF: 2502705.7/70

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.171+/-0.273 χ^2/NDF:13.1/18

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: 0.151+/-0.268 χ^2/NDF:9.1/16

Left: -0.007+/-0.191 χ^2/NDF: 22.8/35

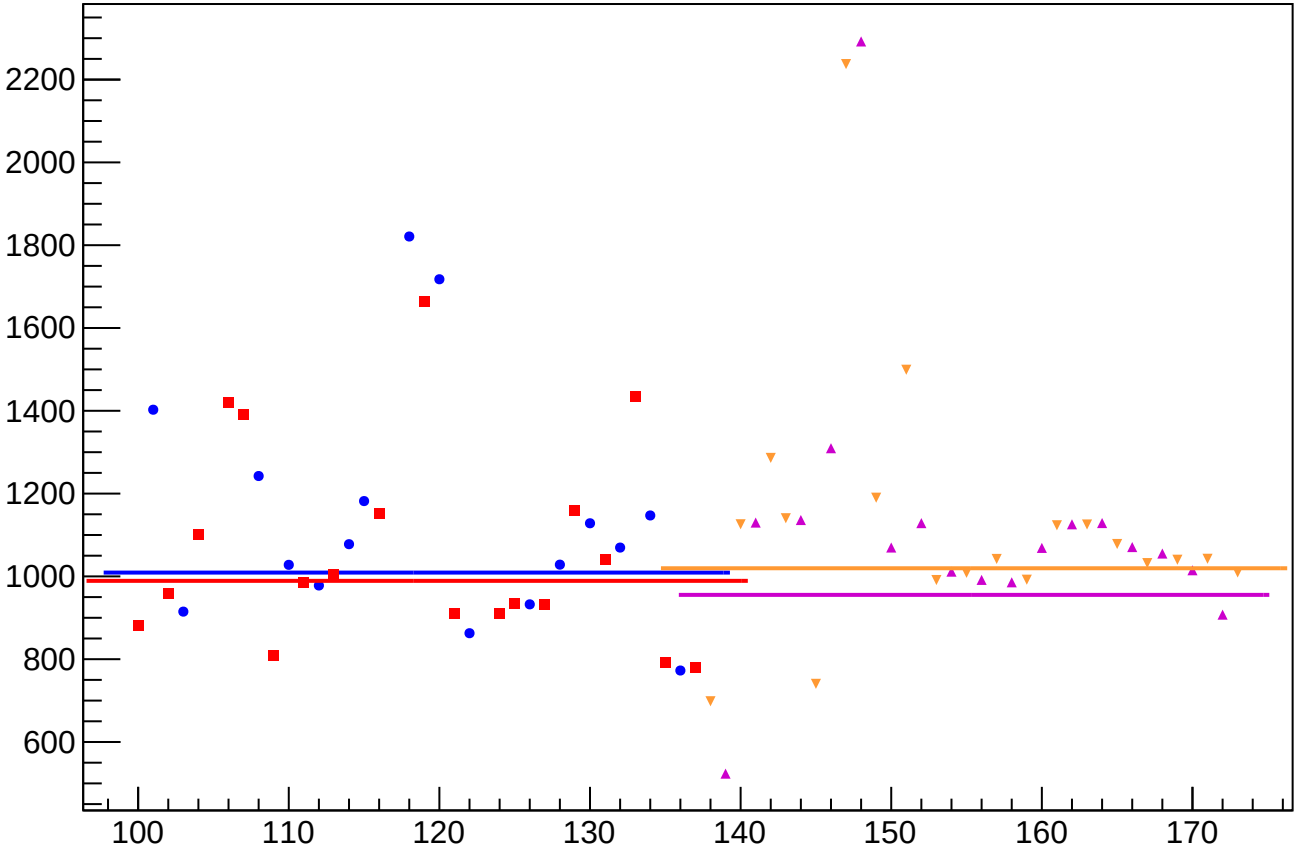
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.156+/-0.220 χ^2/NDF:17.2/32

Out: -0.105+/-0.220 χ^2/NDF:38.4/37

All: 0.025+/-0.156 χ^2/NDF: 56.3/70

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1019.647+/-0.193 χ^2/NDF:1262691.9/18

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 955.356+/-0.190 χ^2/NDF:2075510.3/16

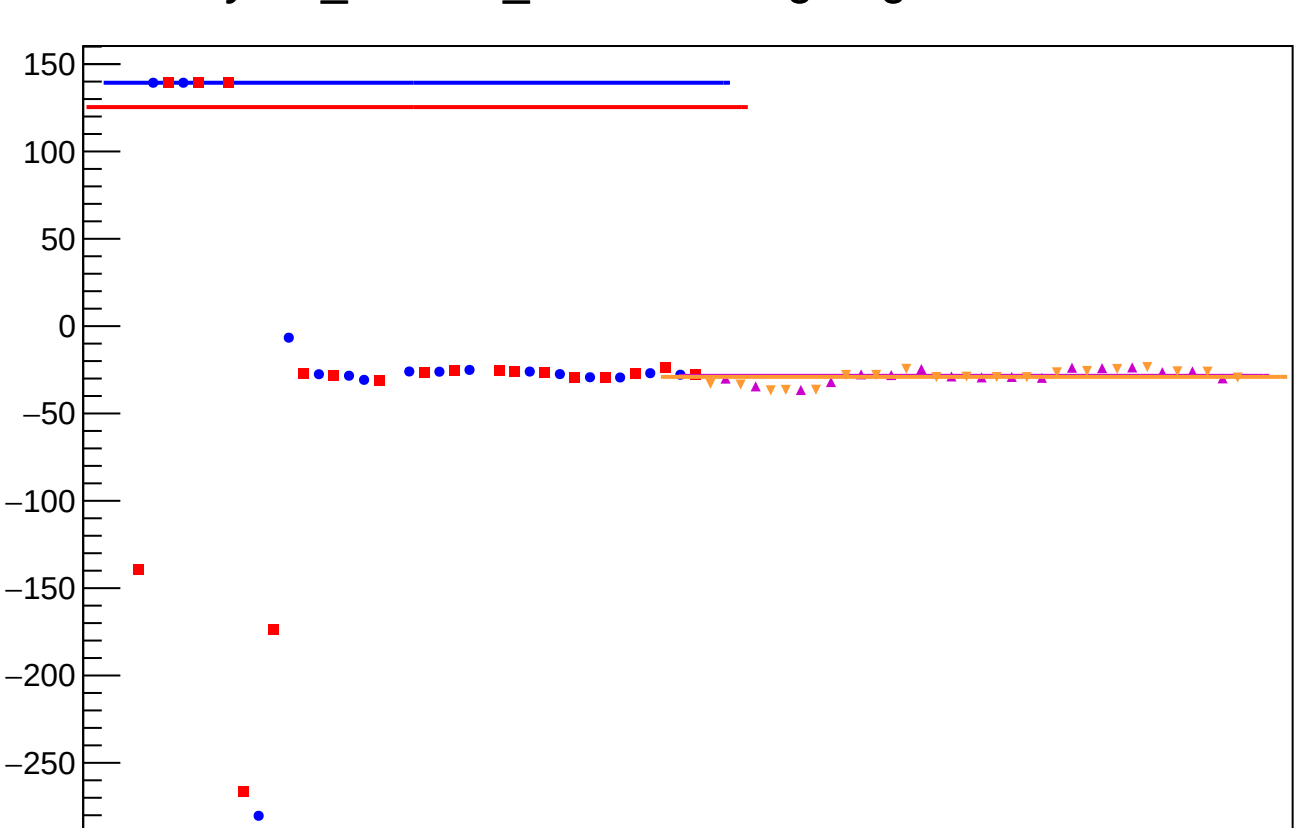
Left: 986.972+/-0.135 χ^2/NDF: 3394643.5/35

Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

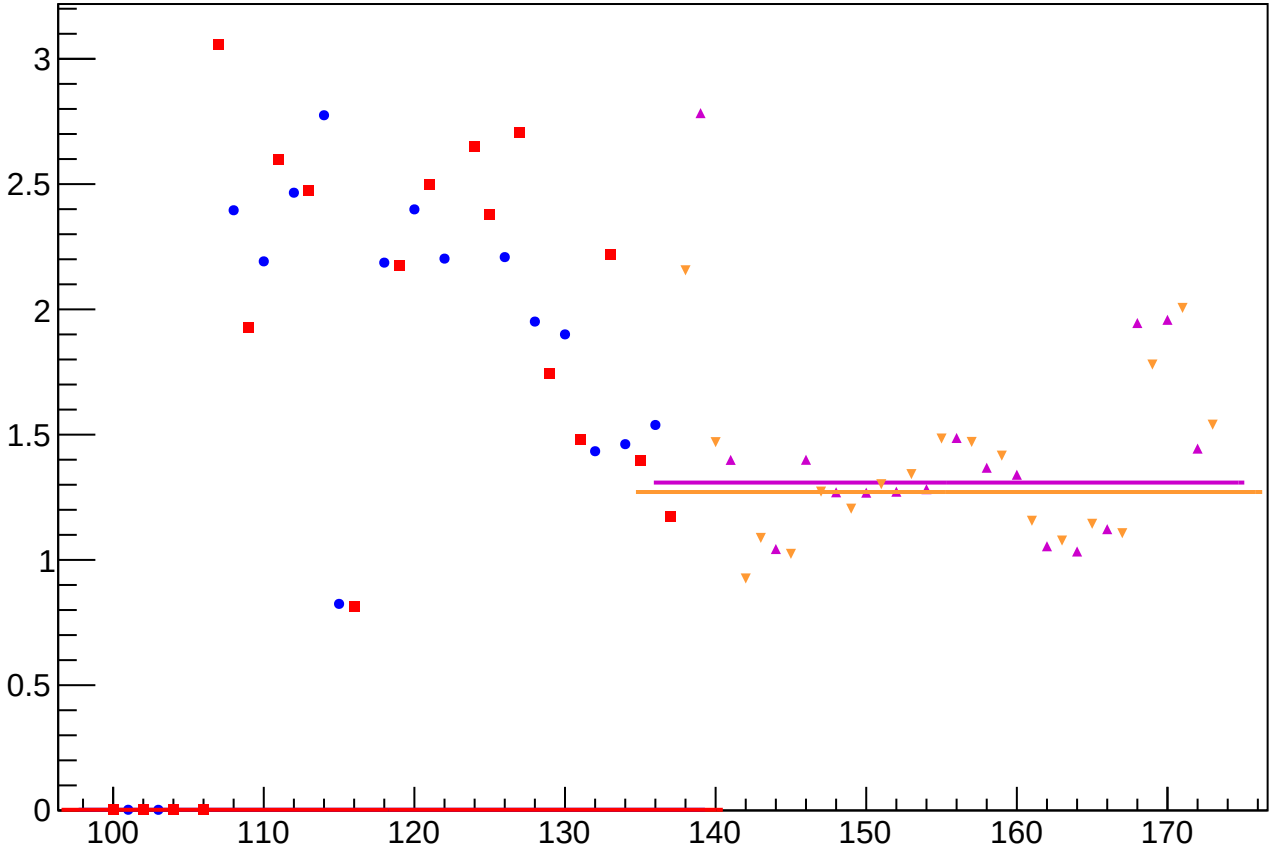
In: 972.891+/-0.156 χ^2/NDF:2801041.3/32

Out: 1009.022+/-0.156 χ^2/NDF:1847130.3/37

All: 990.985+/-0.110 χ^2/NDF: 4675088.0/70


yield_cav4bX_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
−200
−250
−300
100
110
120
130
140
150
160
170
Right In: 139.337+/-0.000 χ²/NDF: 47088045550.1/15
Left Out: -29.043+/-0.000 χ²/NDF:135770194.7/18
Right Out: 125.392+/-0.000 χ²/NDF: 774173119844052.5/18
Left In: -28.451+/-0.000 χ²/NDF:98128787.6/16
Left: -28.766+/-0.000 χ²/NDF: 235091133.0/35
Right: 131.818+/-0.000 χ²/NDF: 793004999492497
In: 139.331+/-0.000 χ²/NDF:227345835179.8/32
Out: 125.386+/-0.000 χ²/NDF:774346028883732.
All: 131.813+/-0.000 χ²/NDF: 793357060408

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.271+/-0.000 χ^2/NDF:934646.8/18

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.309+/-0.000 χ^2/NDF:1075374.8/16

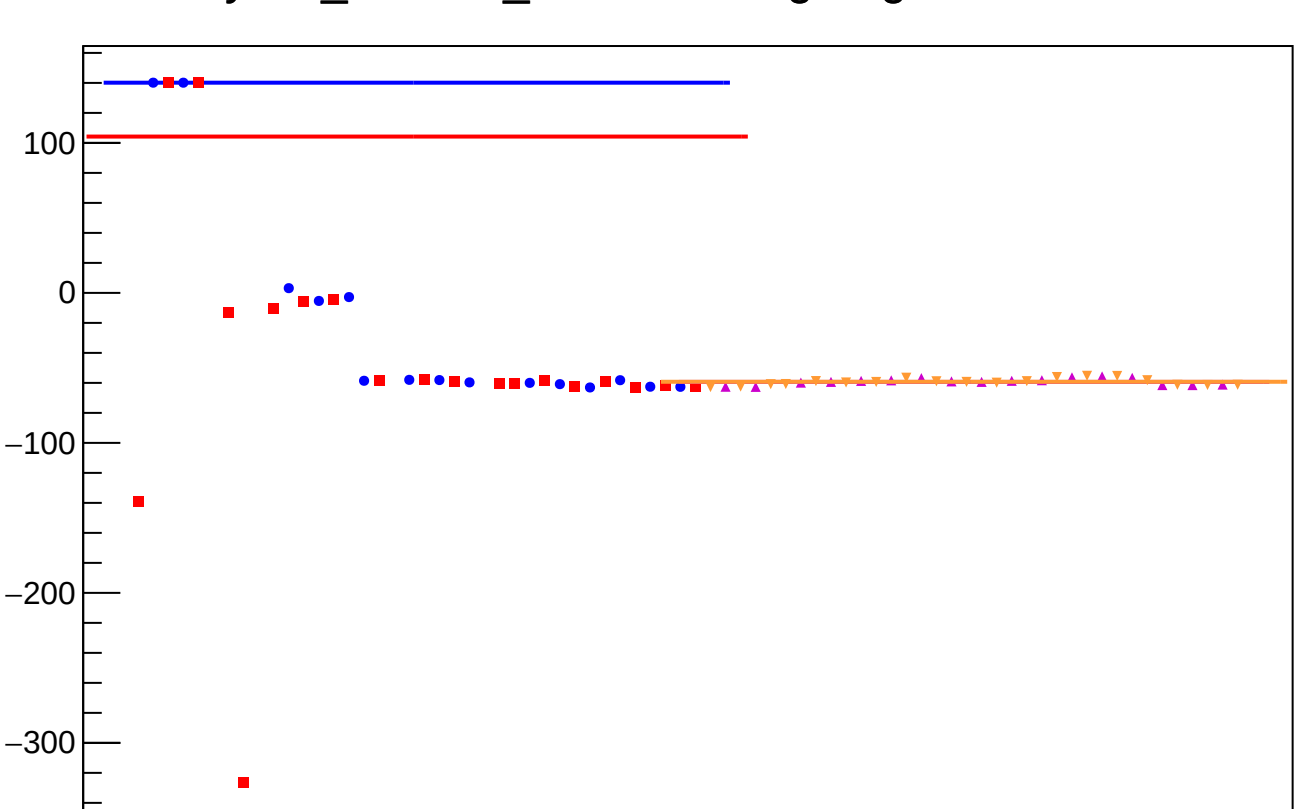
Left: 1.289+/-0.000 χ^2/NDF: 2019648.3/35

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

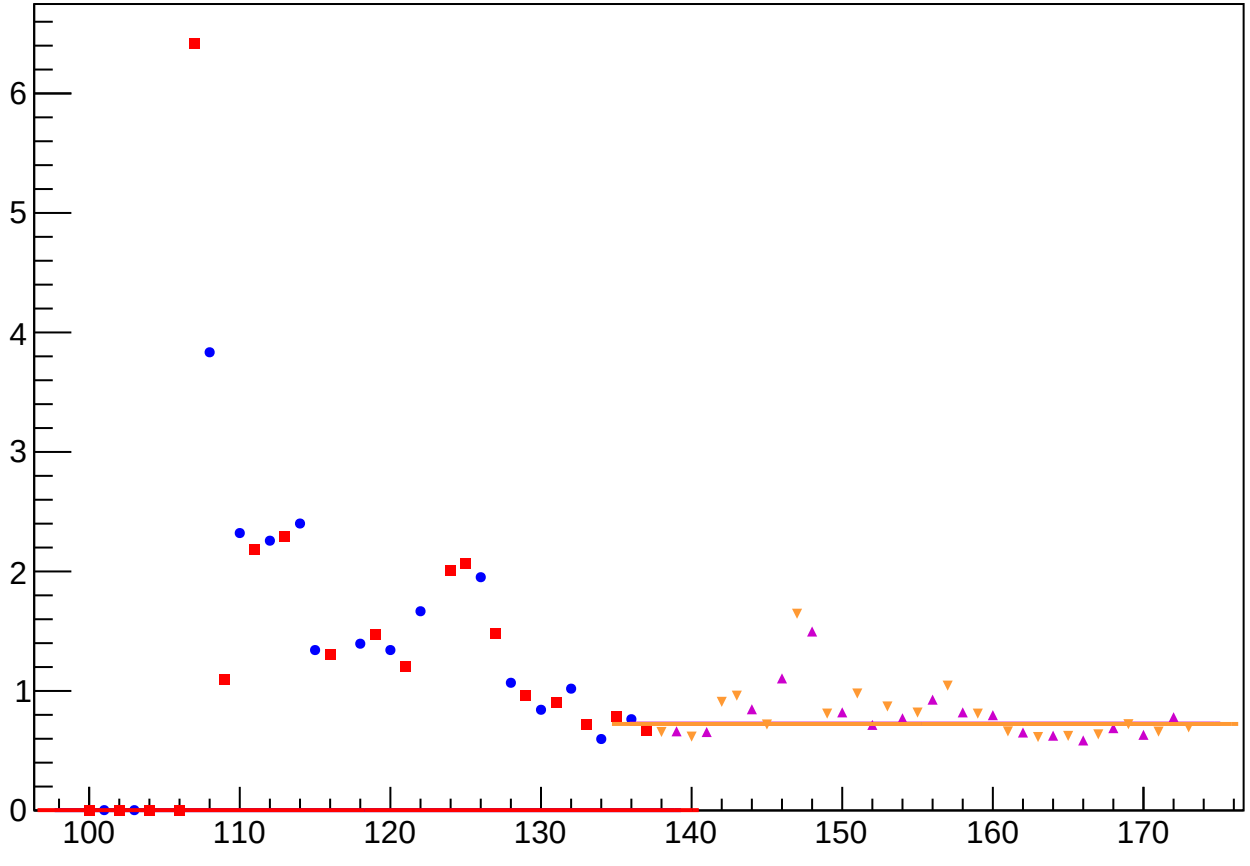
In: 0.003+/-0.000 χ^2/NDF:32472439.6/32

Out: 0.003+/-0.000 χ^2/NDF:33978952.0/37

All: 0.003+/-0.000 χ^2/NDF: 66451610.1/70


yield_cav4bY_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
110
120
130
140
150
160
170
Right In: 140.143+/-0.000 χ²/NDF: 187461723281.9/15
Left Out: -59.258+/-0.000 χ²/NDF:148683945.1/18
Right Out: 104.224+/-0.000 χ²/NDF: 1257401882577977.0/18
Left In: -59.365+/-0.000 χ²/NDF:122930188.1/16
Left: -59.309+/-0.000 χ²/NDF: 271741676.0/35
Right: 120.832+/-0.000 χ²/NDF: 138089570604348
In: 140.119+/-0.000 χ²/NDF:1041157326219.2/32
Out: 104.206+/-0.000 χ²/NDF:1258020697517907
All: 120.811+/-0.000 χ²/NDF: 13823430450

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.724+/-0.000 χ^2/NDF:1030988.7/18

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.727+/-0.000 χ^2/NDF:847033.0/16

Left: 0.725+/-0.000 χ^2/NDF: 1878193.3/35

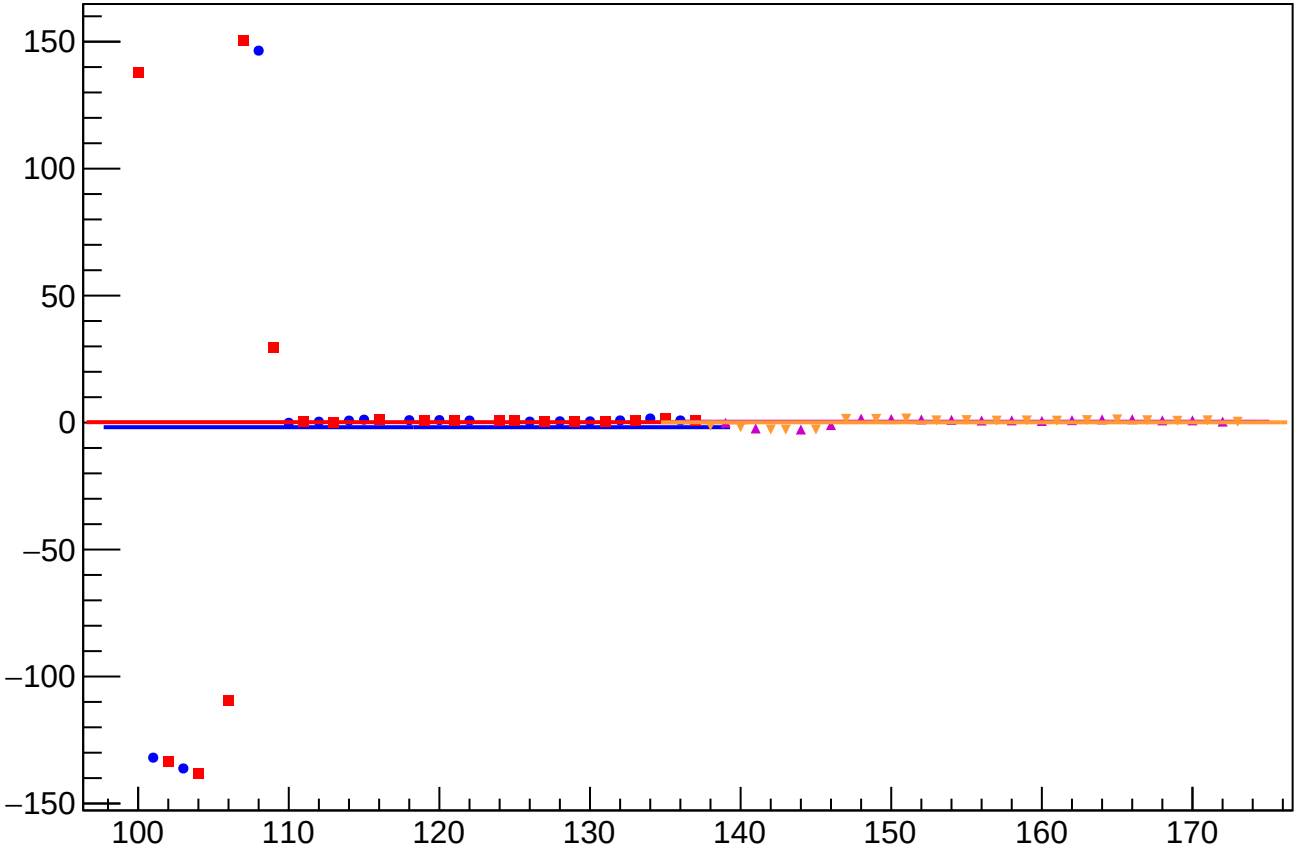
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:33901832.2/32

Out: 0.003+/-0.000 χ^2/NDF:35375775.3/37

All: 0.003+/-0.000 χ^2/NDF: 69277905.2/70

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: 0.105+/-0.000 χ^2/NDF:100427964.9/18

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: 0.347+/-0.000 χ^2/NDF:70213855.4/16

Left: 0.218+/-0.000 χ^2/NDF: 171883869.8/35

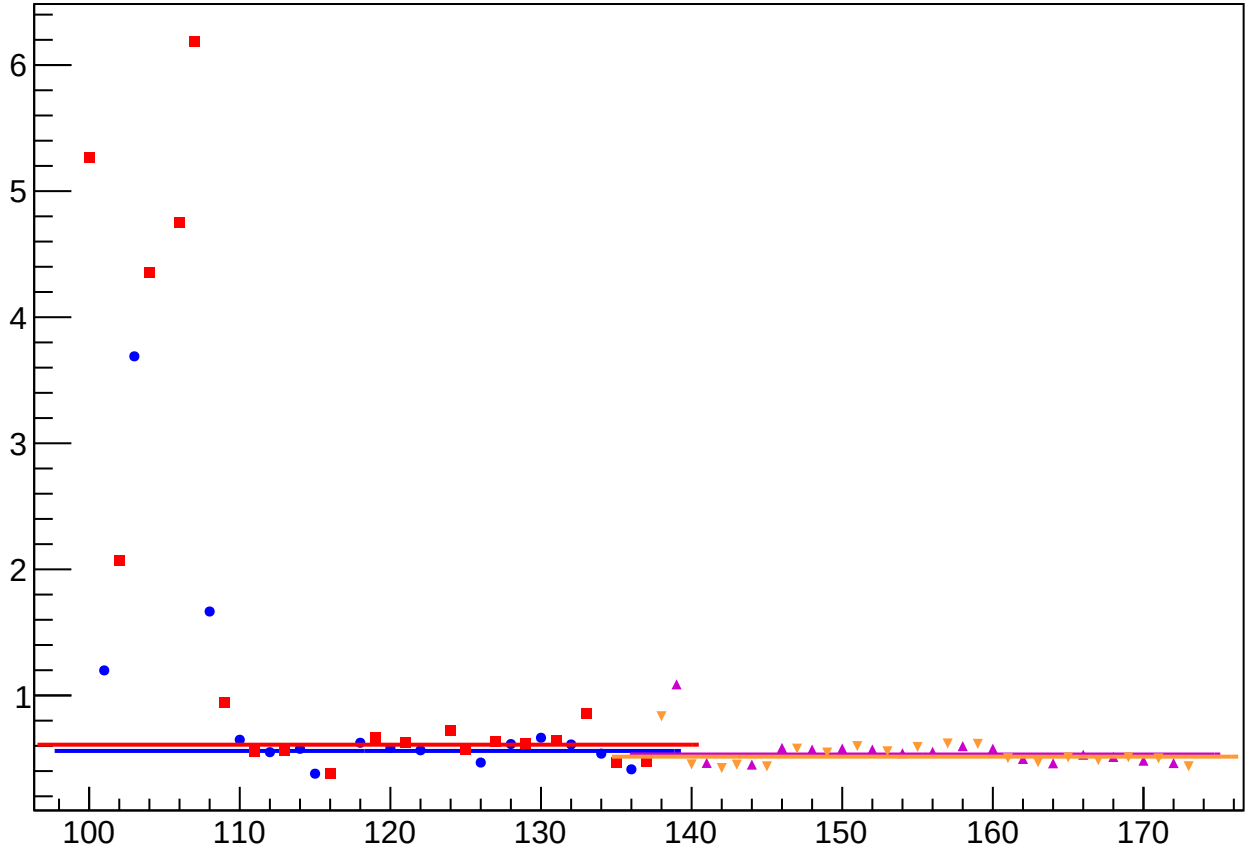
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -0.279+/-0.000 χ^2/NDF:10011124014.4/32

Out: 0.118+/-0.000 χ^2/NDF:3711710233.8/37

All: -0.076+/-0.000 χ^2/NDF: 13727349451.7/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.515+/-0.000 χ^2/NDF:518514.7/18

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.531+/-0.000 χ^2/NDF:642623.2/16

Left: 0.522+/-0.000 χ^2/NDF: 1173098.6/35

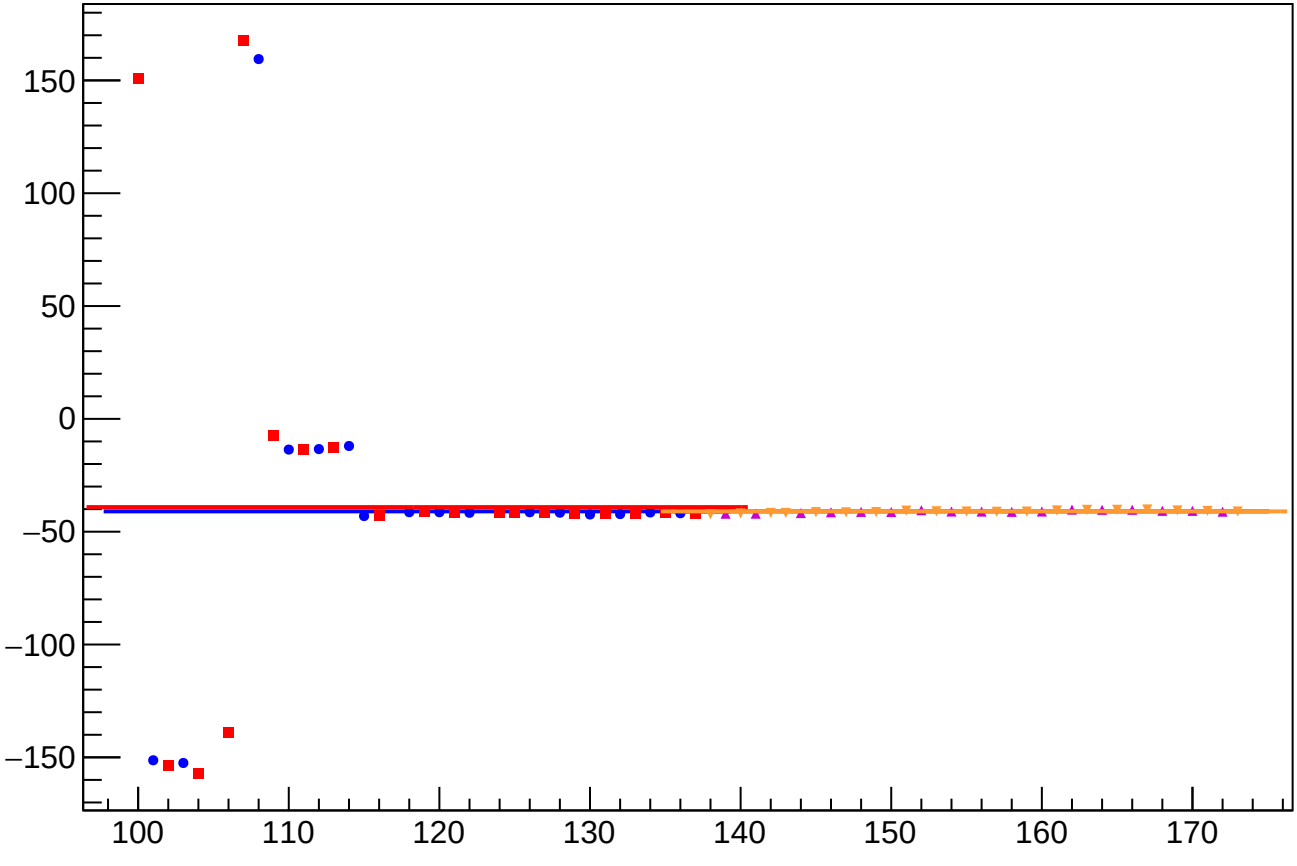
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.540+/-0.000 χ^2/NDF:2259635.1/32

Out: 0.536+/-0.000 χ^2/NDF:3180136.7/37

All: 0.538+/-0.000 χ^2/NDF: 5440424.0/70

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -40.994+/-0.000 χ^2/NDF:31162143.9/18

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -41.012+/-0.000 χ^2/NDF:27723187.5/16

Left: -41.002+/-0.000 χ^2/NDF: 58902469.1/35

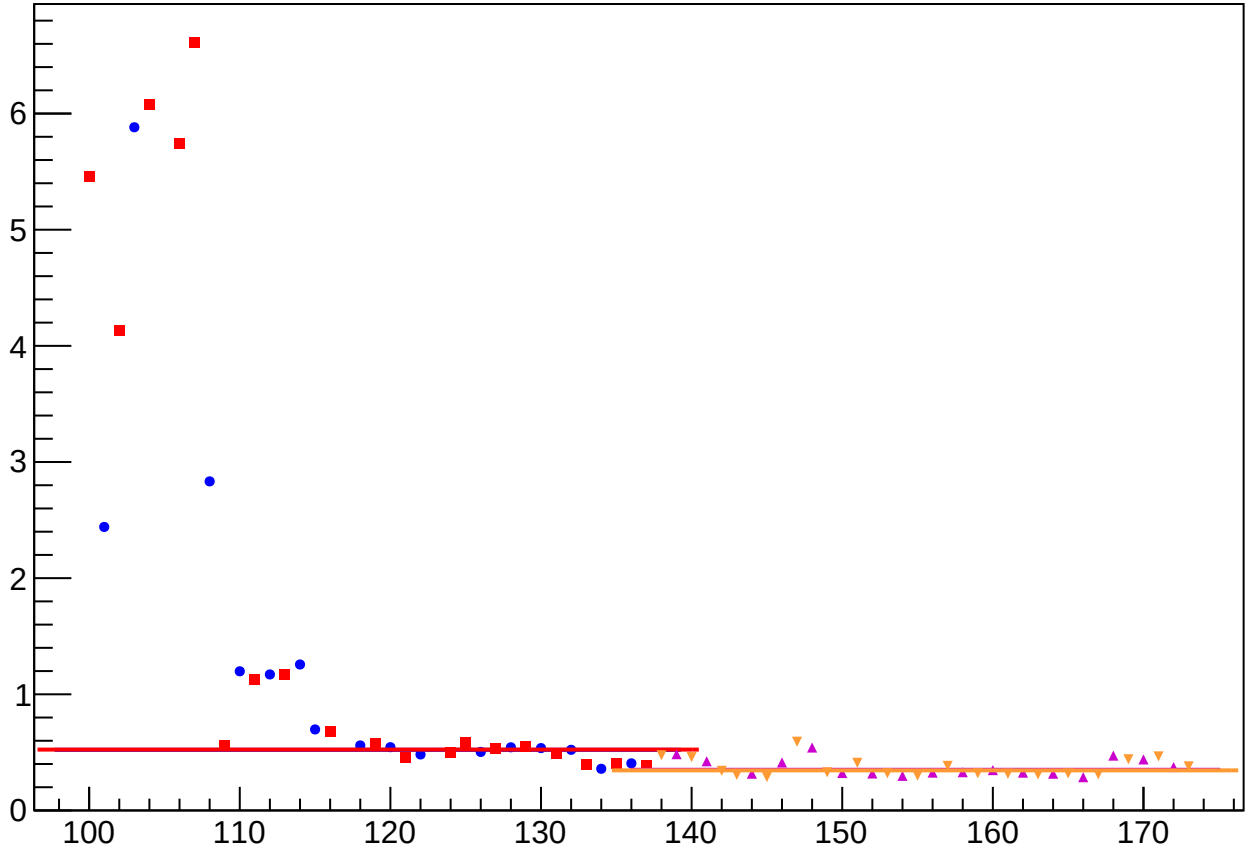
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.008+/-0.000 χ^2/NDF:3477354723.0/32

Out: -40.740+/-0.000 χ^2/NDF:2566859128.1/37

All: -40.869+/-0.000 χ^2/NDF: 6048807191.8/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.345+/-0.000 χ^2/NDF:921868.0/18

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.350+/-0.000 χ^2/NDF:766213.1/16

Left: 0.348+/-0.000 χ^2/NDF: 1690792.1/35

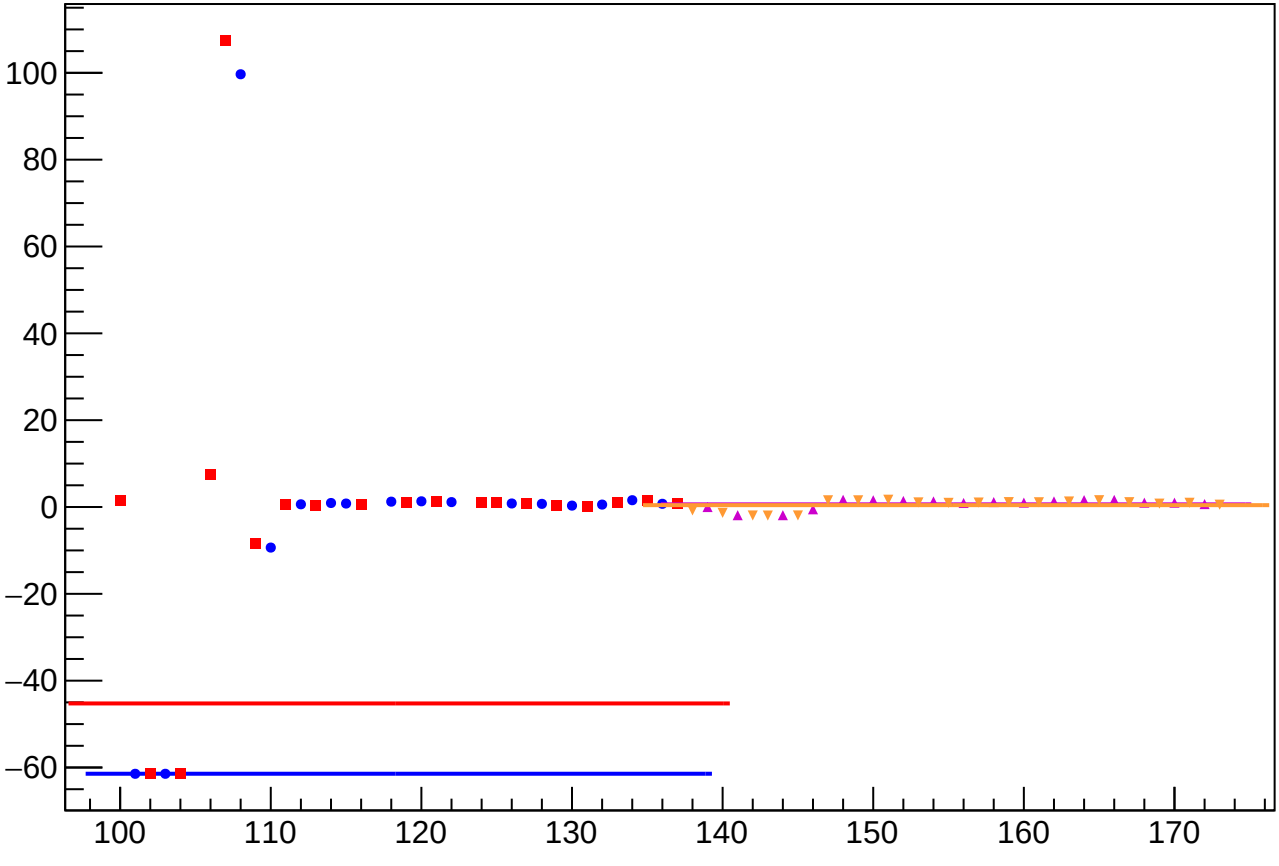
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.376+/-0.000 χ^2/NDF:4642152.3/32

Out: 0.369+/-0.000 χ^2/NDF:5177216.7/37

All: 0.372+/-0.000 χ^2/NDF: 9825159.1/70

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.426+/-0.000 χ^2/NDF:102148931.3/18

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: 0.615+/-0.000 χ^2/NDF:77263188.4/16

Left: 0.514+/-0.000 χ^2/NDF: 180455620.1/35

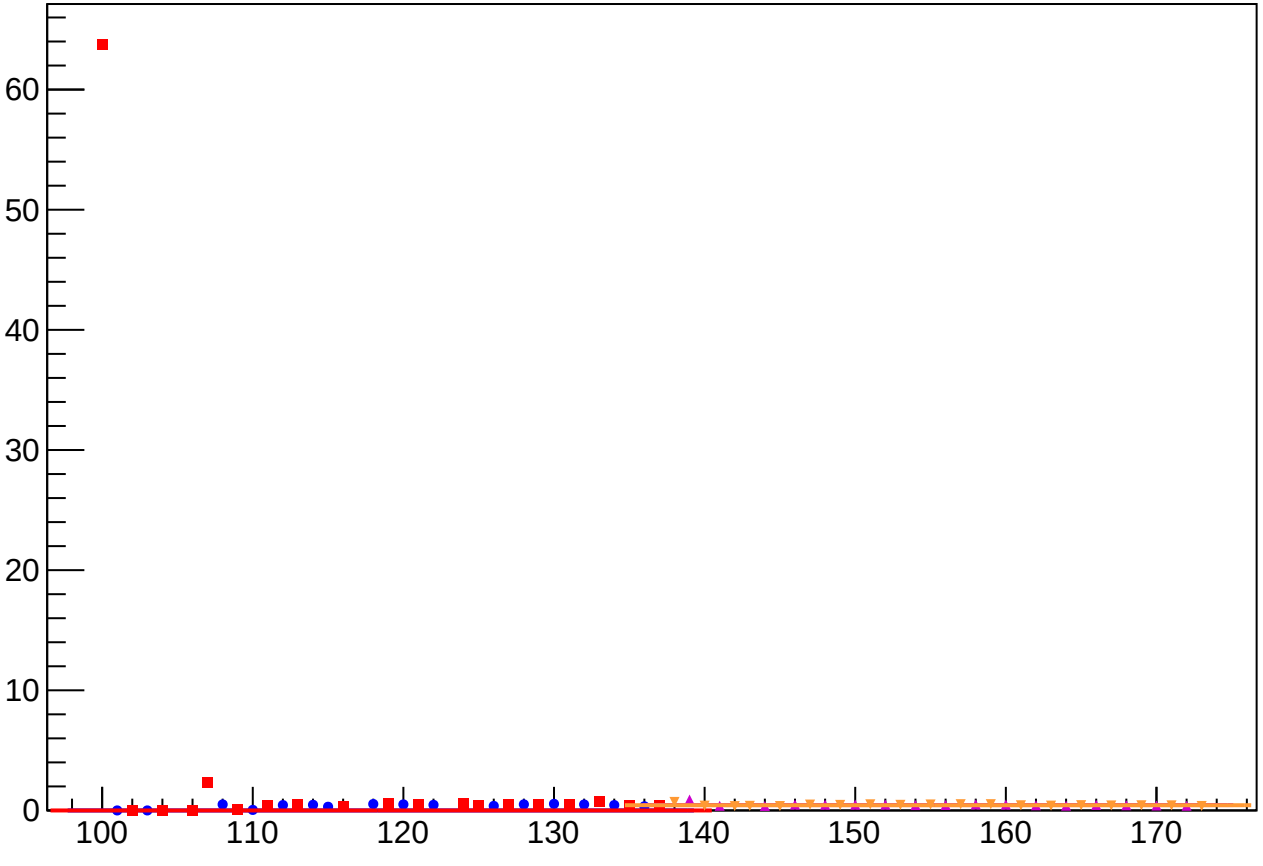
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.427+/-0.000 χ^2/NDF:486299923760.3/32

Out: -45.238+/-0.000 χ^2/NDF:358002432014184.9

All: -52.741+/-0.000 χ^2/NDF: 409458373072

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.435+/-0.000 χ^2/NDF:507716.1/18

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.451+/-0.000 χ^2/NDF:612773.9/16

Left: 0.443+/-0.000 χ^2/NDF: 1134676.1/35

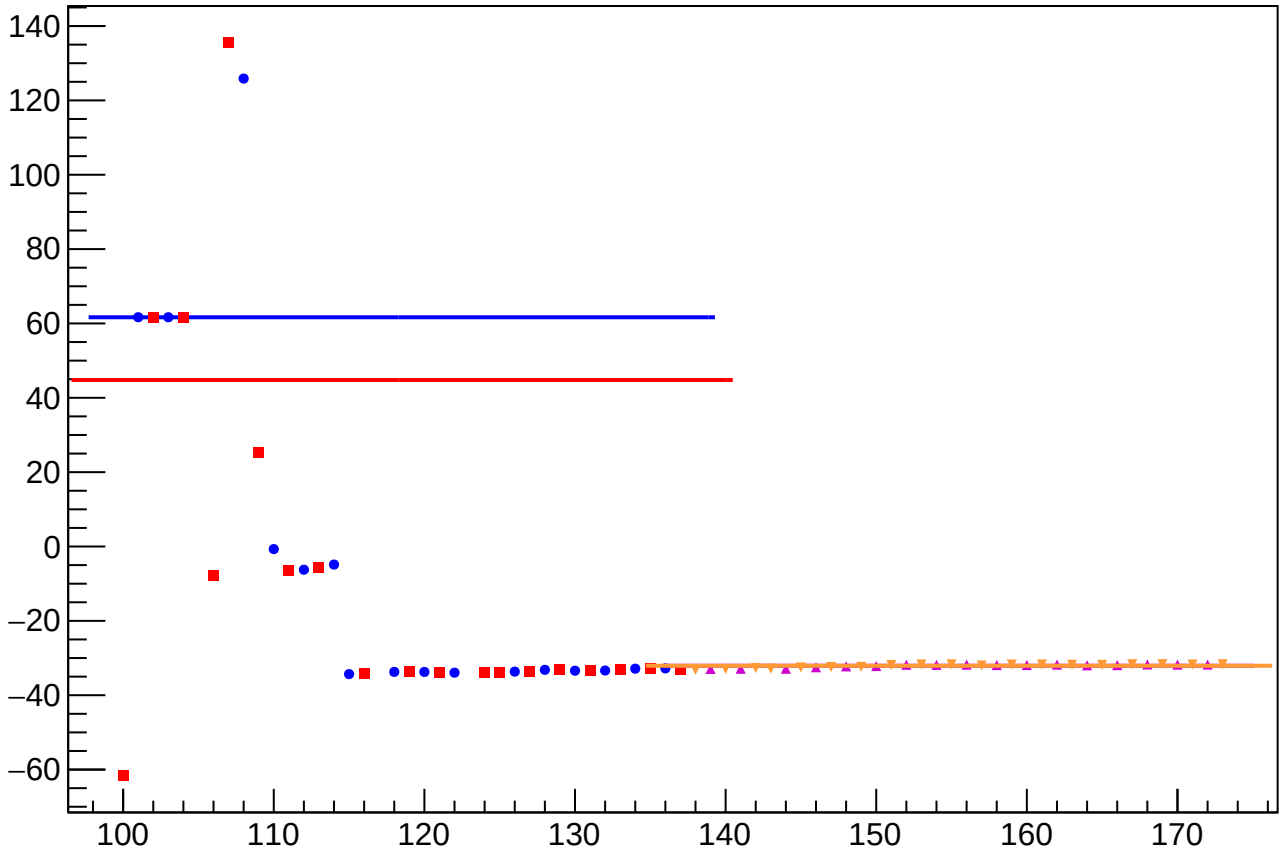
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.002+/-0.000 χ^2/NDF:32077689.4/32

Out: 0.002+/-0.000 χ^2/NDF:33672426.6/37

All: 0.002+/-0.000 χ^2/NDF: 65750127.6/70

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.072+/-0.000 χ^2/NDF:38902986.6/18

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

Left In: -32.075+/-0.000 χ^2/NDF:28016332.5/16

Left: -32.073+/-0.000 χ^2/NDF: 66920304.3/35

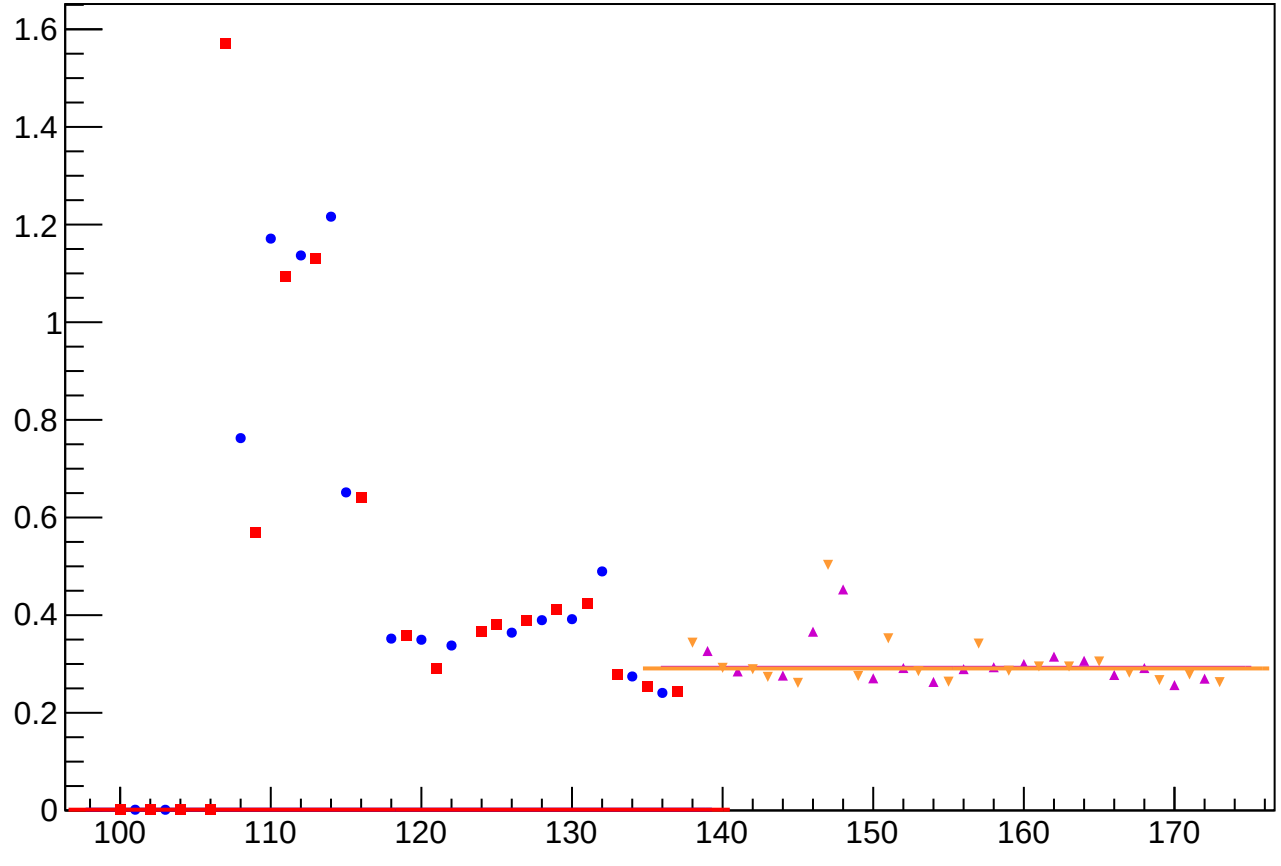
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.

In: 61.619+/-0.000 χ^2/NDF:1737573729711.5/32

Out: 44.752+/-0.000 χ^2/NDF:367088843803287.9

All: 52.650+/-0.000 χ^2/NDF: 419895800226

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.291+/-0.000 χ^2/NDF:489291.2/18

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.292+/-0.000 χ^2/NDF:378747.2/16

Left: 0.291+/-0.000 χ^2/NDF: 868309.7/35

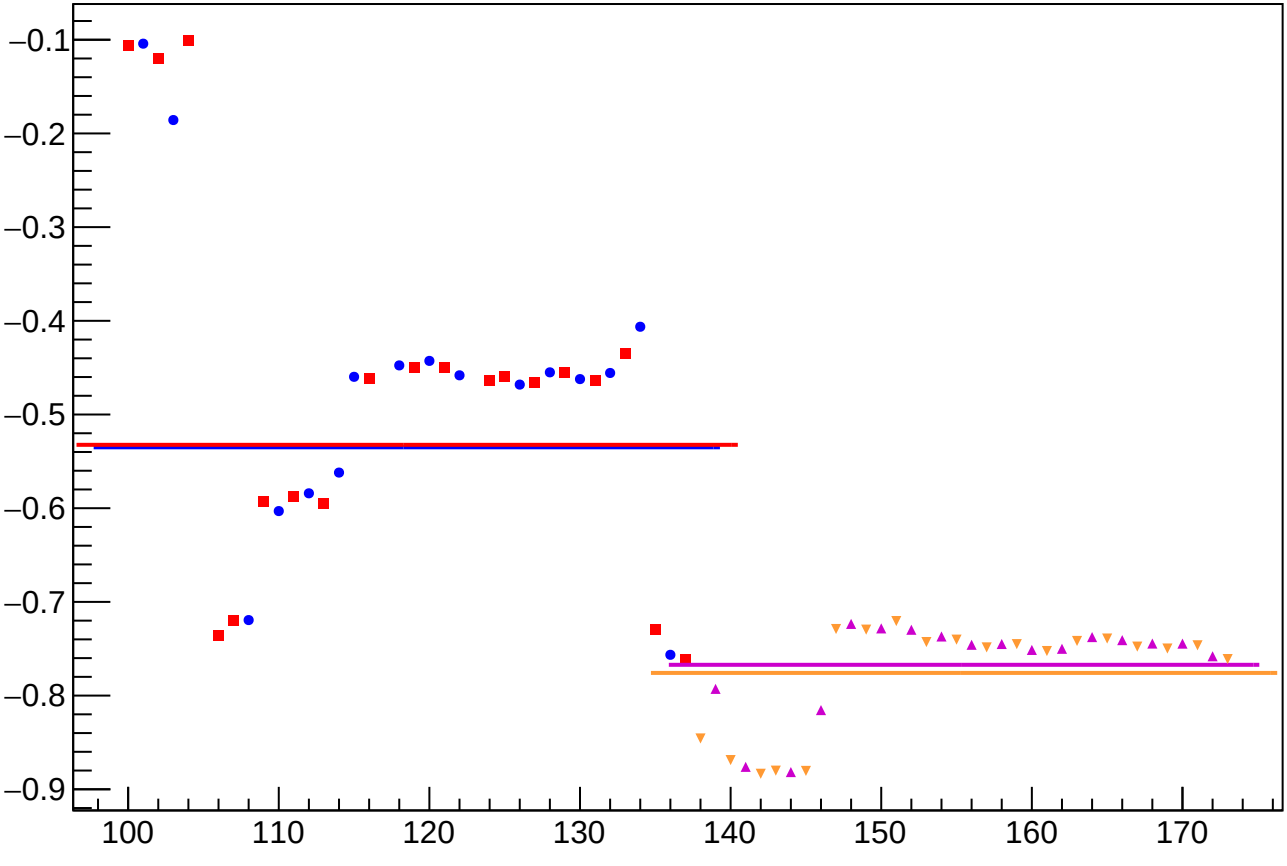
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:37709386.2/32

Out: 0.002+/-0.000 χ^2/NDF:39223239.6/37

All: 0.002+/-0.000 χ^2/NDF: 76932676.3/70

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.776+/-0.000 χ^2/NDF:111843573.2/18

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.767+/-0.000 χ^2/NDF:77624050.1/16

Left: -0.772+/-0.000 χ^2/NDF: 190659095.0/35

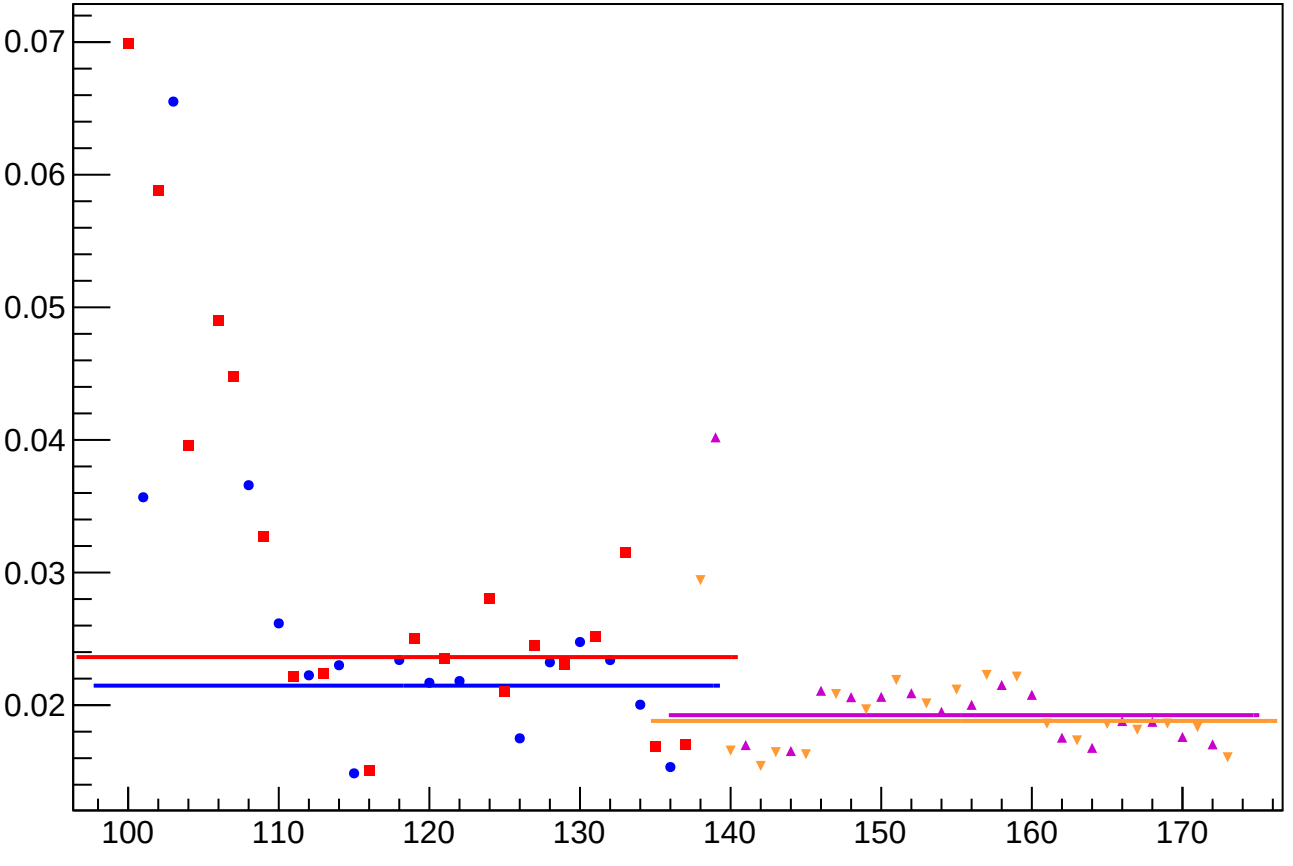
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.702+/-0.000 χ^2/NDF:830517555.7/32

Out: -0.720+/-0.000 χ^2/NDF:783025498.0/37

All: -0.712+/-0.000 χ^2/NDF: 1620247401.8/7

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:451398.8/18

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.019+/-0.000 χ^2/NDF:640325.4/16

Left: 0.019+/-0.000 χ^2/NDF: 1097748.0/35

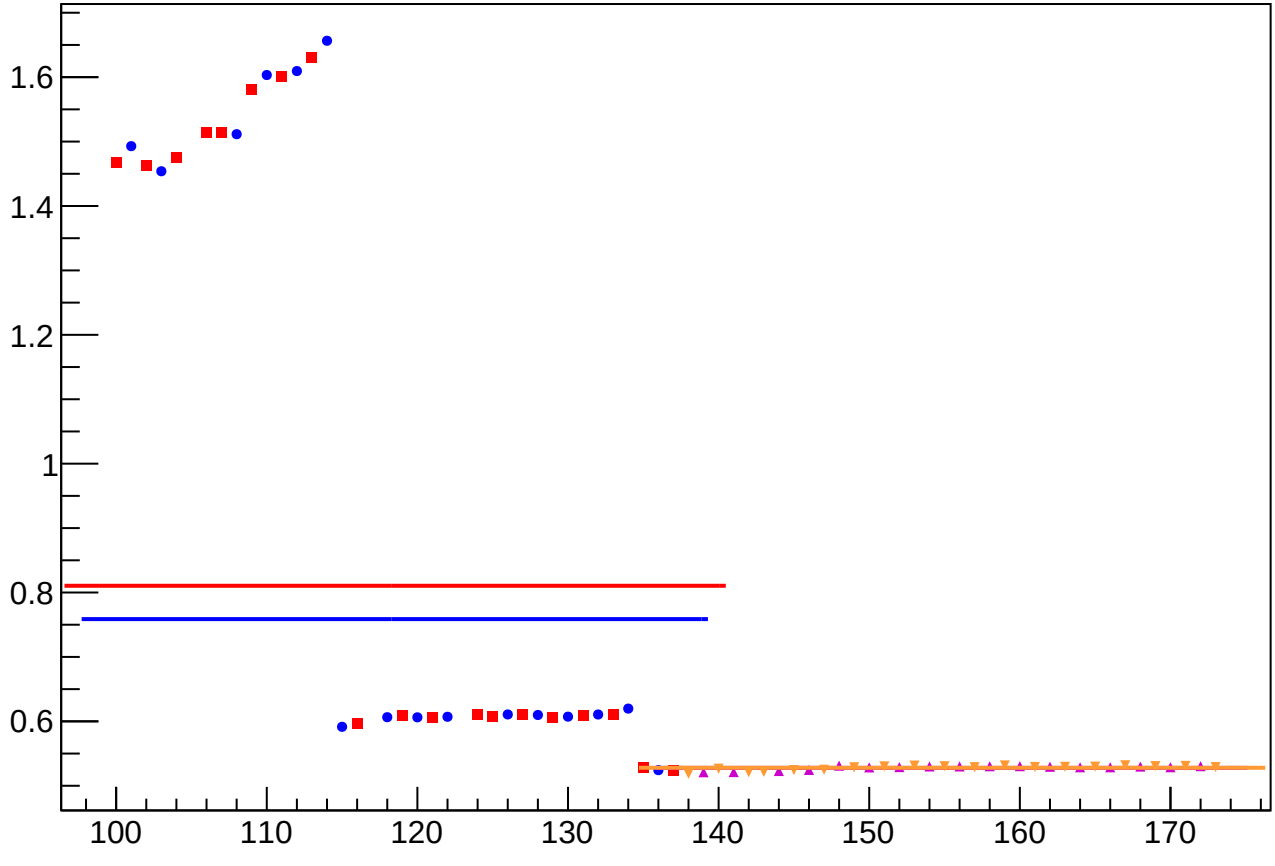
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.020+/-0.000 χ^2/NDF:1877431.0/32

Out: 0.020+/-0.000 χ^2/NDF:2086182.3/37

All: 0.020+/-0.000 χ^2/NDF: 3963698.2/70

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.528+/-0.000 χ^2/NDF:1405419.8/18

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.528+/-0.000 χ^2/NDF:1024565.1/16

Left: 0.528+/-0.000 χ^2/NDF: 2433001.2/35

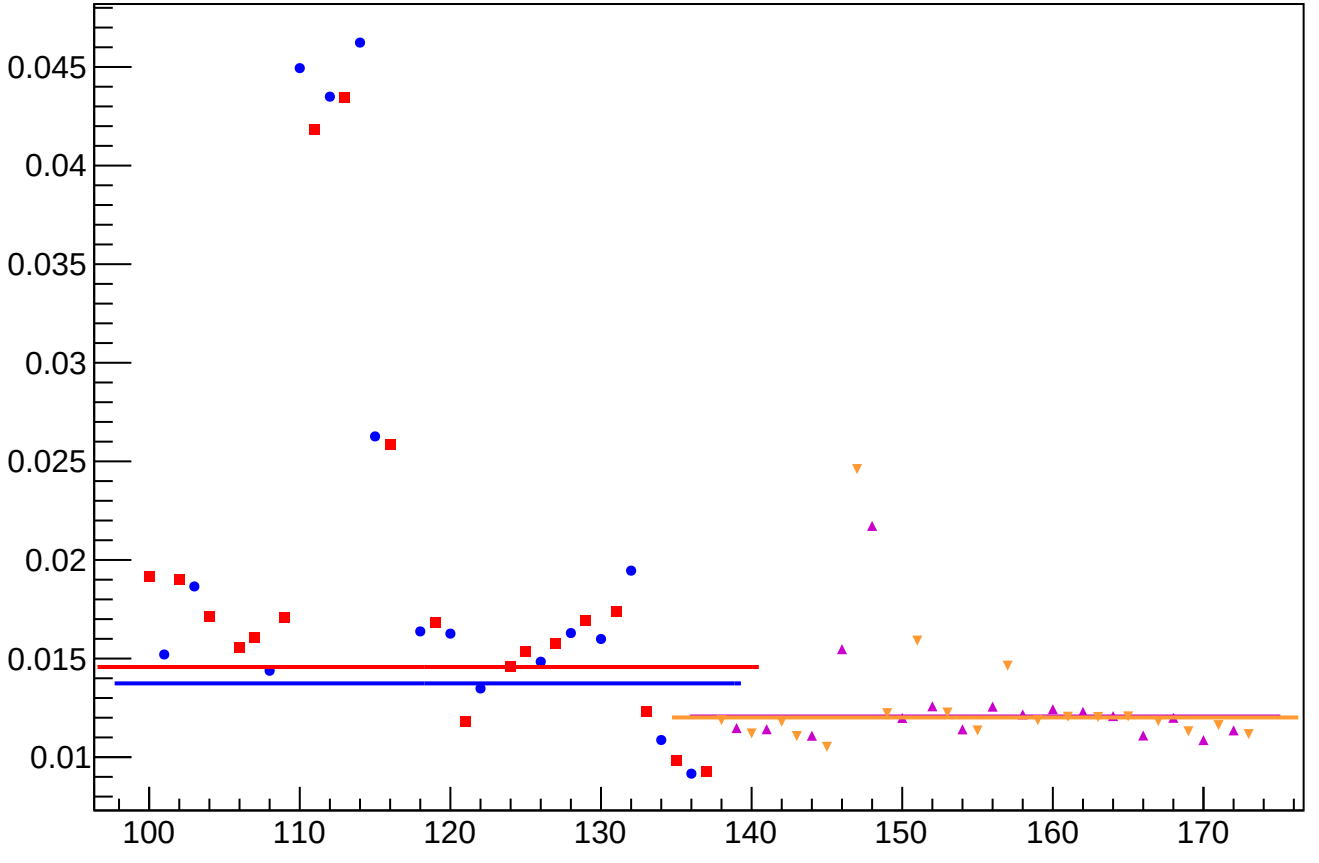
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.587+/-0.000 χ^2/NDF:5557483793.7/32

Out: 0.593+/-0.000 χ^2/NDF:6578084367.7/37

All: 0.590+/-0.000 χ^2/NDF: 12137772704.0/7

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:635544.0/18

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:459526.2/16

Left: 0.012+/-0.000 χ^2/NDF: 1095314.8/35

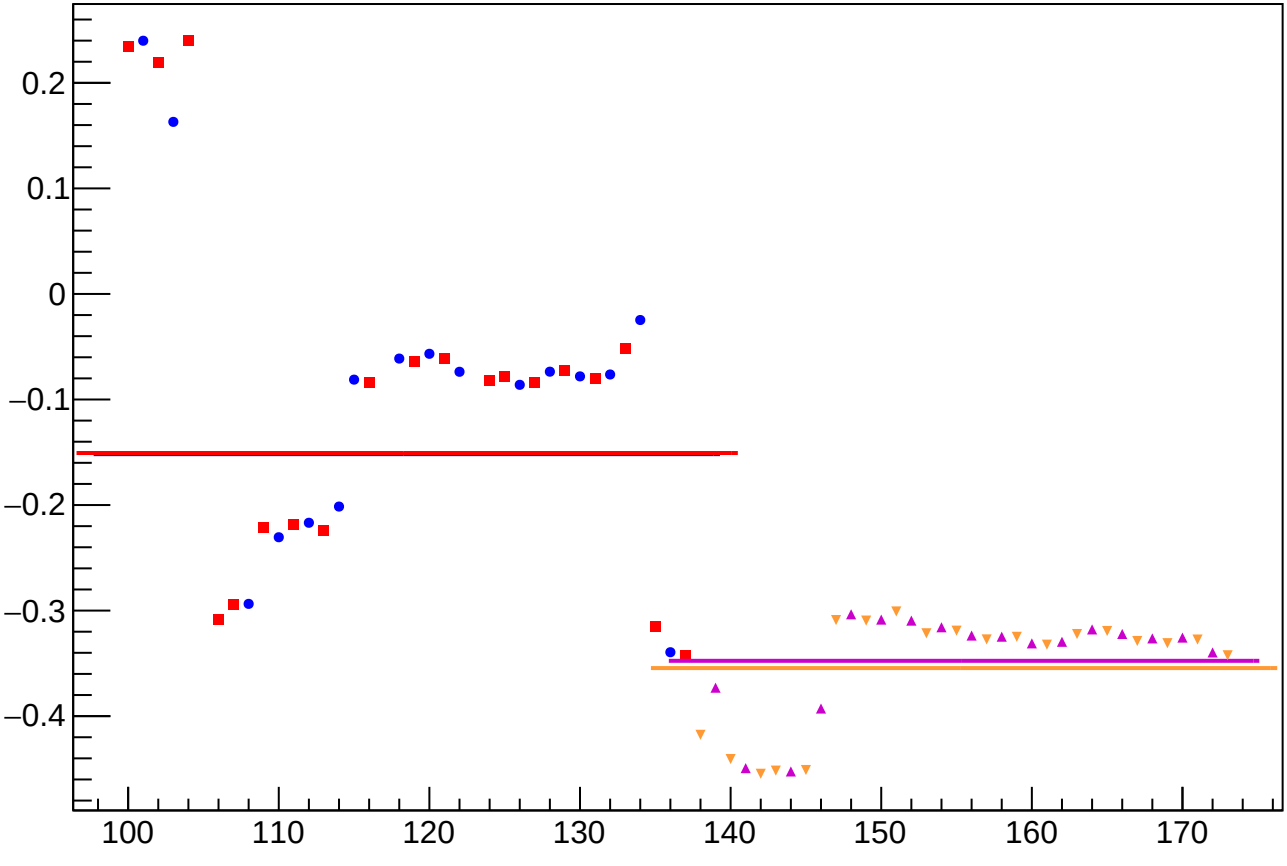
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.012+/-0.000 χ^2/NDF:2241374.6/32

Out: 0.013+/-0.000 χ^2/NDF:2387193.9/37

All: 0.013+/-0.000 χ^2/NDF: 4630001.8/70

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.354+/-0.000 χ^2/NDF:107817954.6/18

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.348+/-0.000 χ^2/NDF:78107523.9/16

Left: -0.351+/-0.000 χ^2/NDF: 186740125.9/35

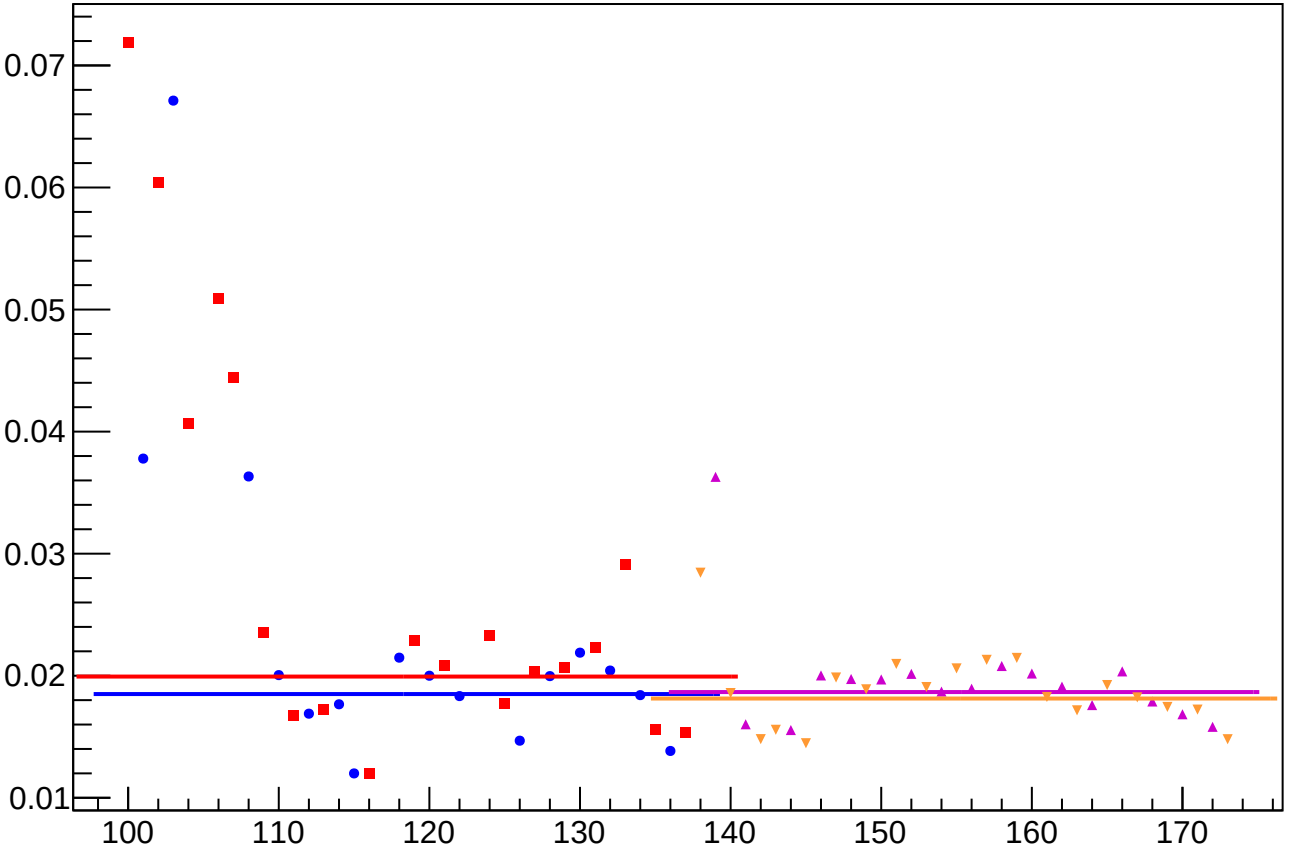
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.284+/-0.000 χ^2/NDF:755203254.1/32

Out: -0.299+/-0.000 χ^2/NDF:721603289.3/37

All: -0.292+/-0.000 χ^2/NDF: 1482029251.5/7

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.018+/-0.000 χ^2/NDF:516594.3/18

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.019+/-0.000 χ^2/NDF:600724.4/16

Left: 0.018+/-0.000 χ^2/NDF: 1126991.7/35

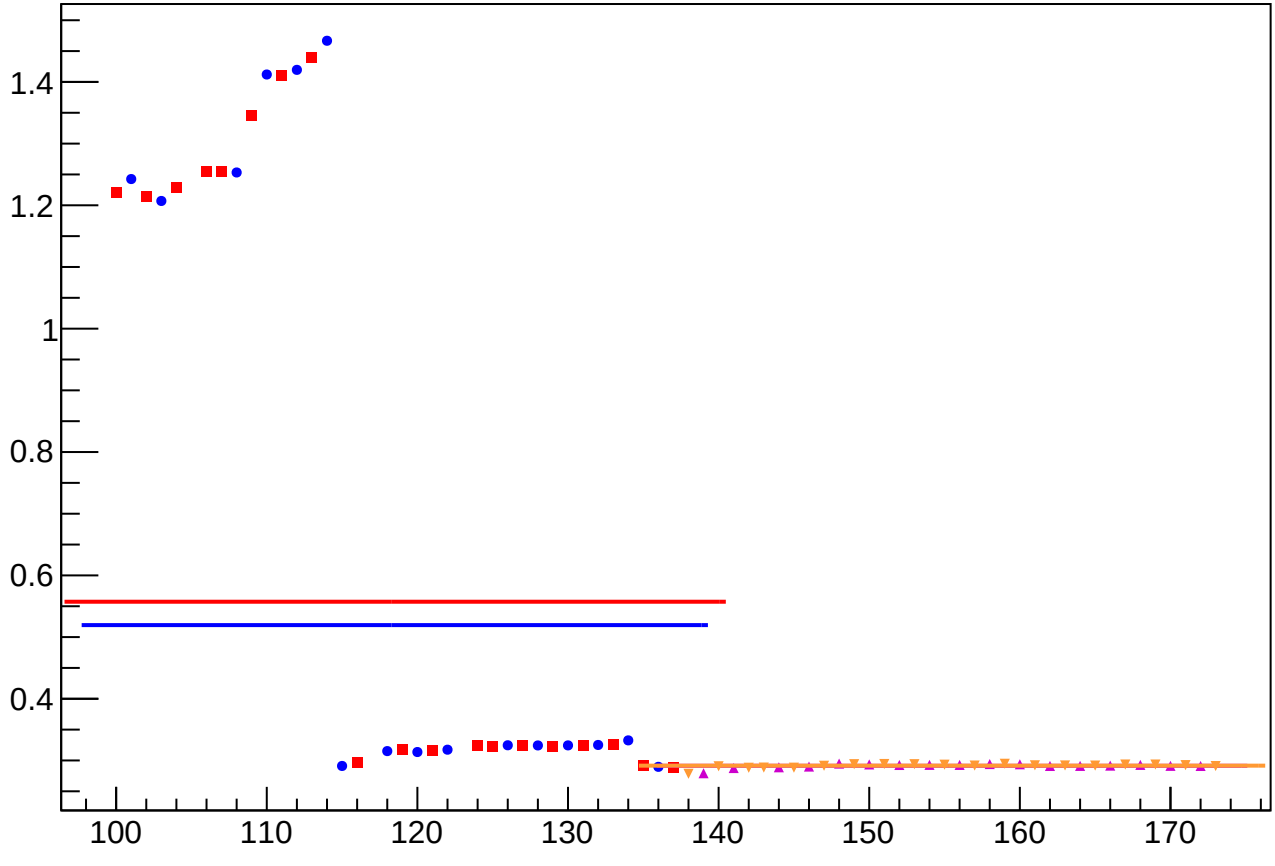
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:1973642.9/32

Out: 0.019+/-0.000 χ^2/NDF:2128790.3/37

All: 0.019+/-0.000 χ^2/NDF: 4102440.1/70

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.292+/-0.000 χ^2/NDF:1205107.4/18

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.291+/-0.000 χ^2/NDF:1186576.7/16

Left: 0.291+/-0.000 χ^2/NDF: 2395248.7/35

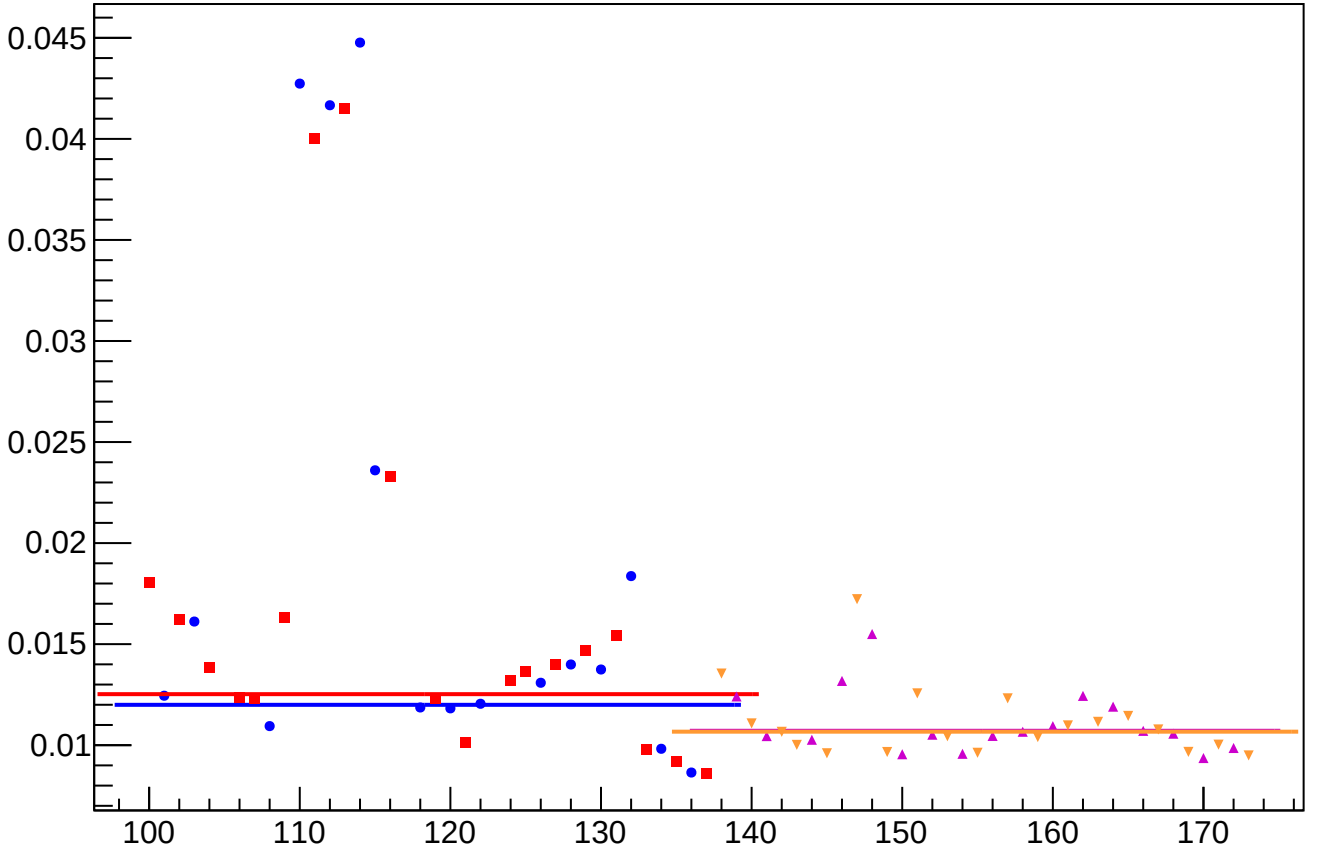
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.351+/-0.000 χ^2/NDF:7906949651.3/32

Out: 0.355+/-0.000 χ^2/NDF:8847606438.7/37

All: 0.353+/-0.000 χ^2/NDF: 16755480745.1/7

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:485984.7/18

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:383398.6/16

Left: 0.011+/-0.000 χ^2/NDF: 869612.7/35

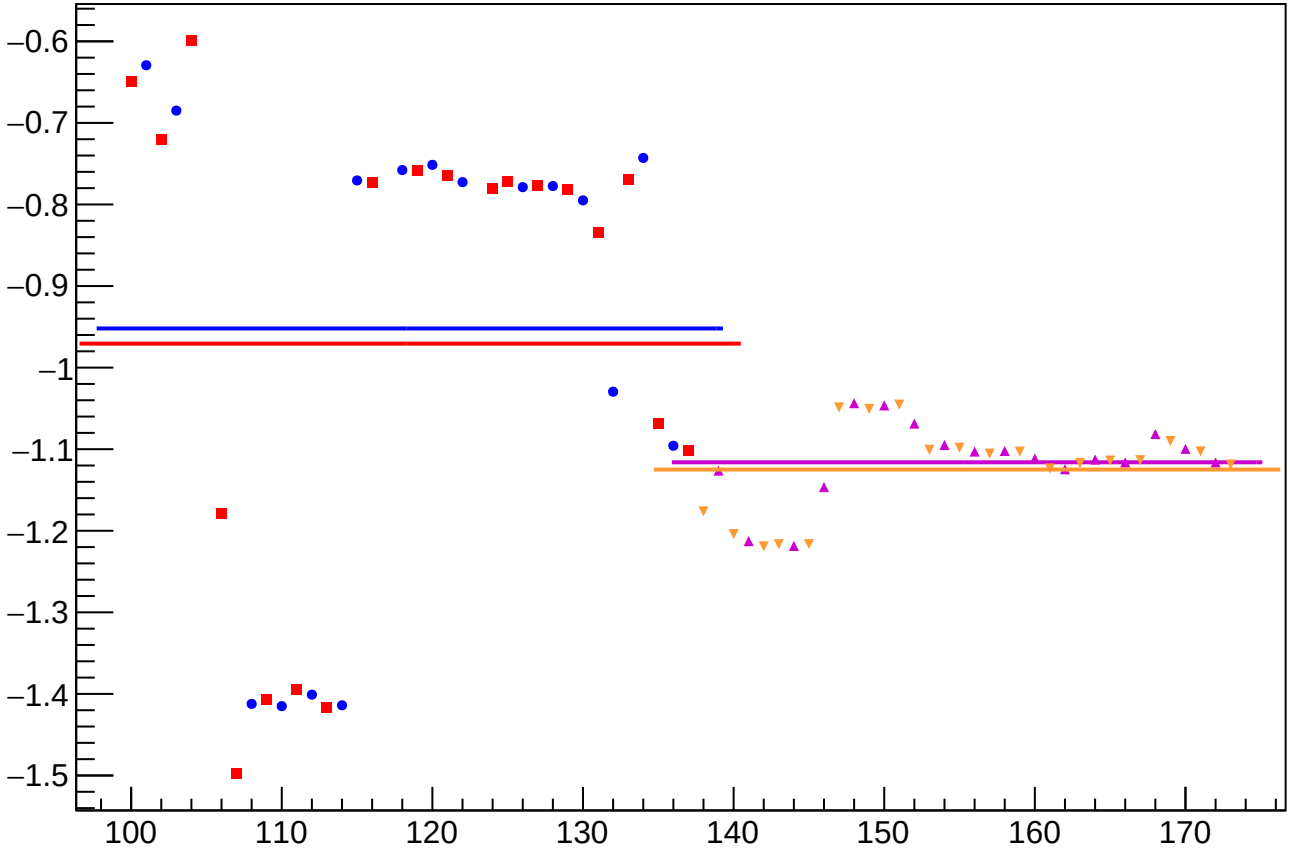
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:1975650.1/32

Out: 0.011+/-0.000 χ^2/NDF:2125158.9/37

All: 0.011+/-0.000 χ^2/NDF: 4101380.9/70

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.125+/-0.000 χ^2/NDF:102438556.2/18

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.116+/-0.000 χ^2/NDF:75283425.3/16

Left: -1.121+/-0.000 χ^2/NDF: 179045236.2/35

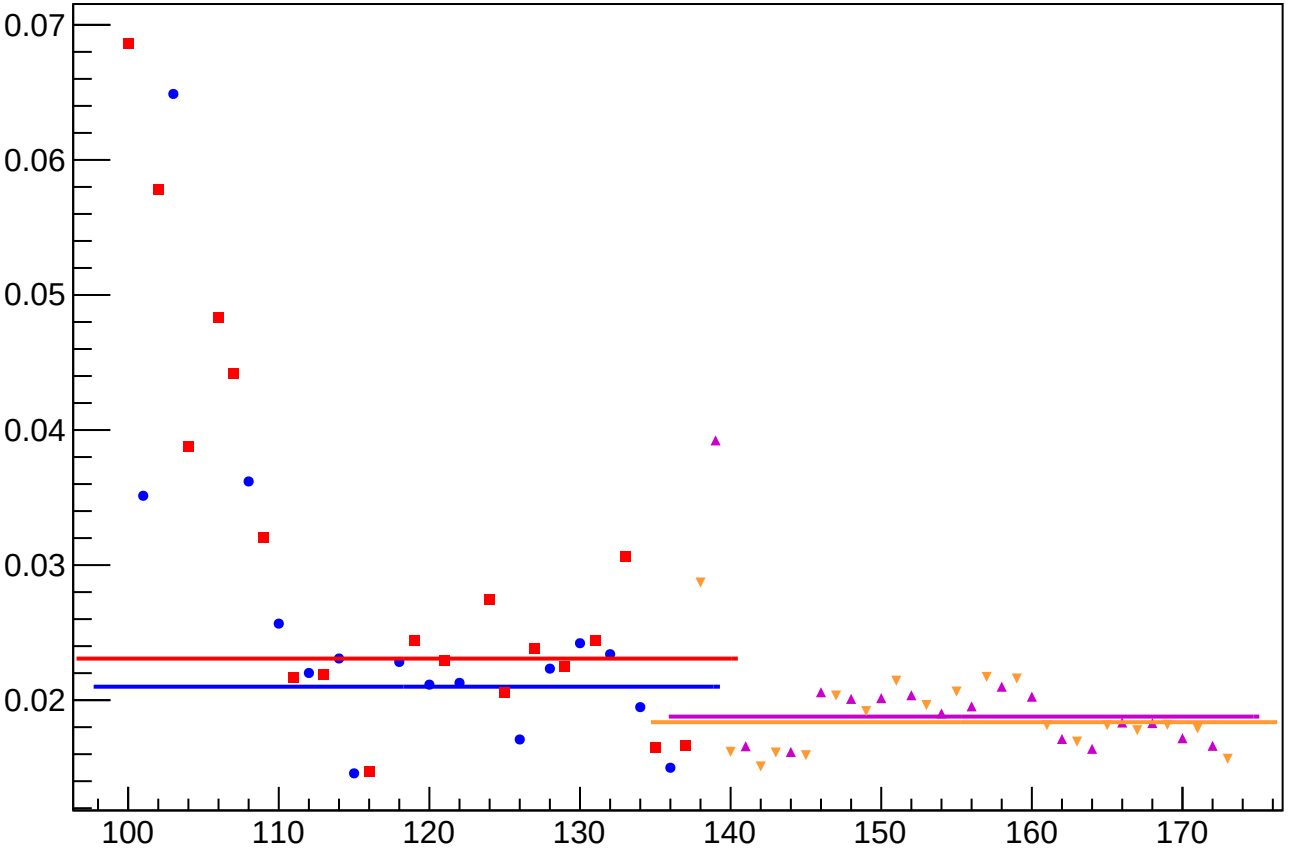
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.071+/-0.000 χ^2/NDF:1010847540.4/32

Out: -1.090+/-0.000 χ^2/NDF:1009075795.7/37

All: -1.080+/-0.000 χ^2/NDF: 2028237312.7/7

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.018+/-0.000 χ^2/NDF:448583.4/18

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.019+/-0.000 χ^2/NDF:639045.2/16

Left: 0.019+/-0.000 χ^2/NDF: 1093340.4/35

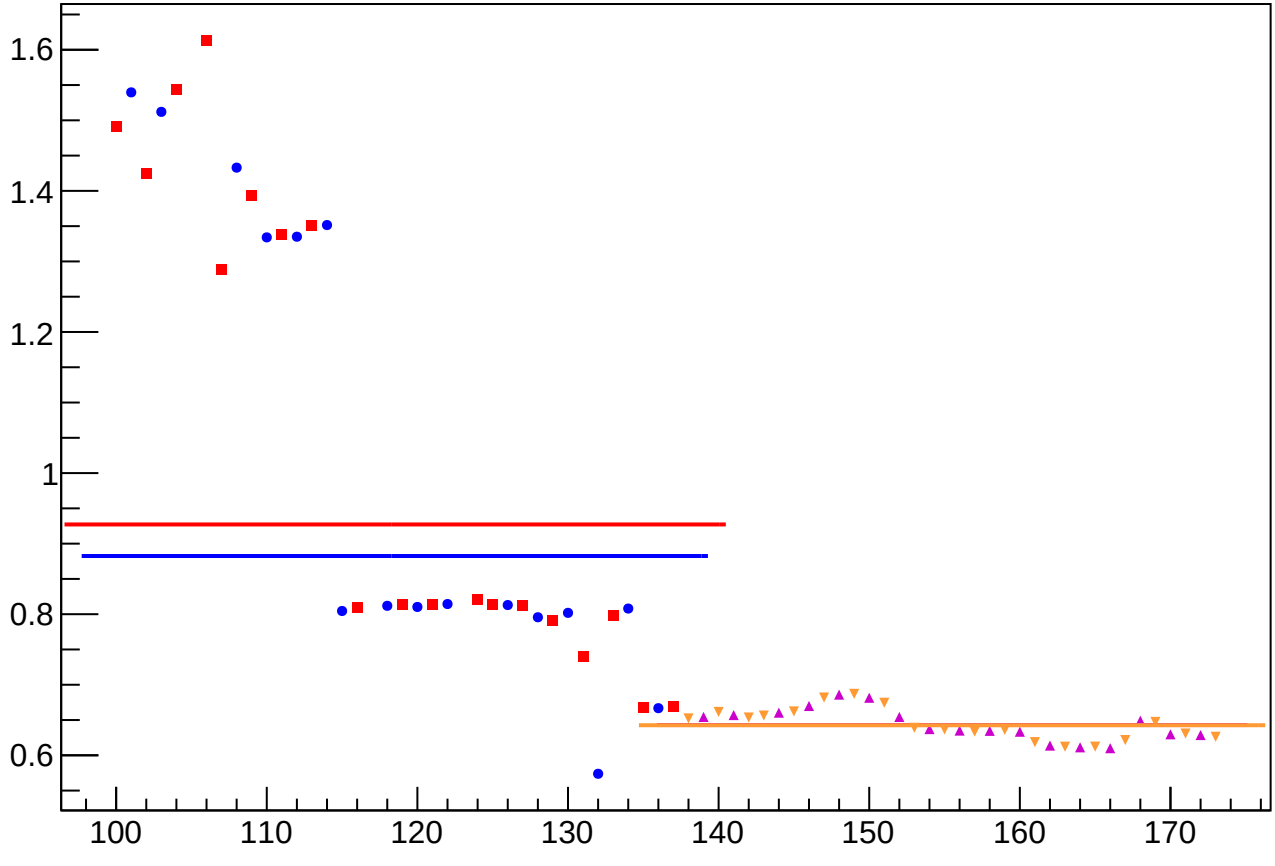
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.019+/-0.000 χ^2/NDF:1892109.2/32

Out: 0.019+/-0.000 χ^2/NDF:2087342.3/37

All: 0.019+/-0.000 χ^2/NDF: 3979537.0/70

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.643+/-0.000 χ^2/NDF:41083282.2/18

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.643+/-0.000 χ^2/NDF:36971347.8/16

Left: 0.643+/-0.000 χ^2/NDF: 78058581.8/35

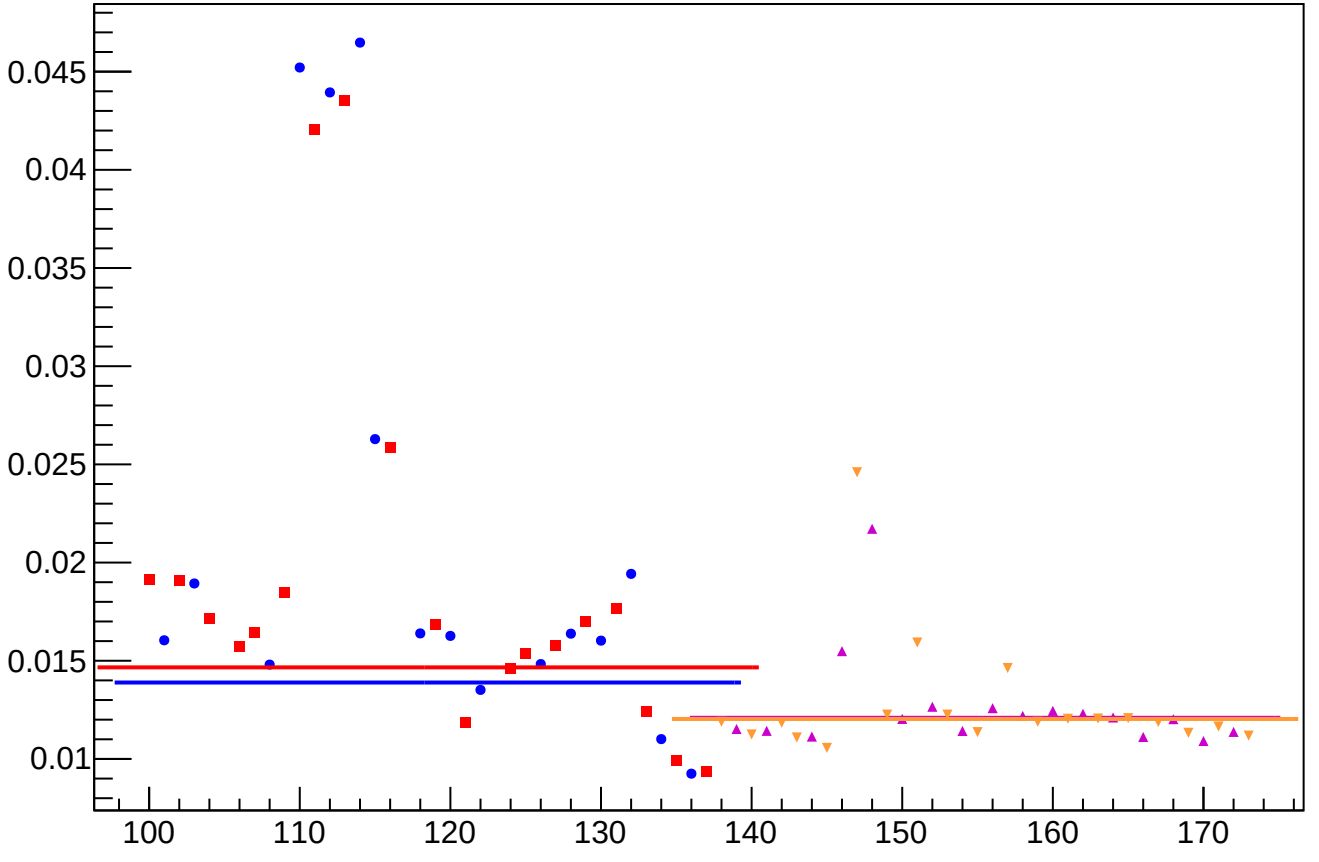
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.703+/-0.000 χ^2/NDF:4139881918.9/32

Out: 0.707+/-0.000 χ^2/NDF:4611277601.4/37

All: 0.705+/-0.000 χ^2/NDF: 8752117695.4/70

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:630229.7/18

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:455658.2/16

Left: 0.012+/-0.000 χ^2/NDF: 1086219.4/35

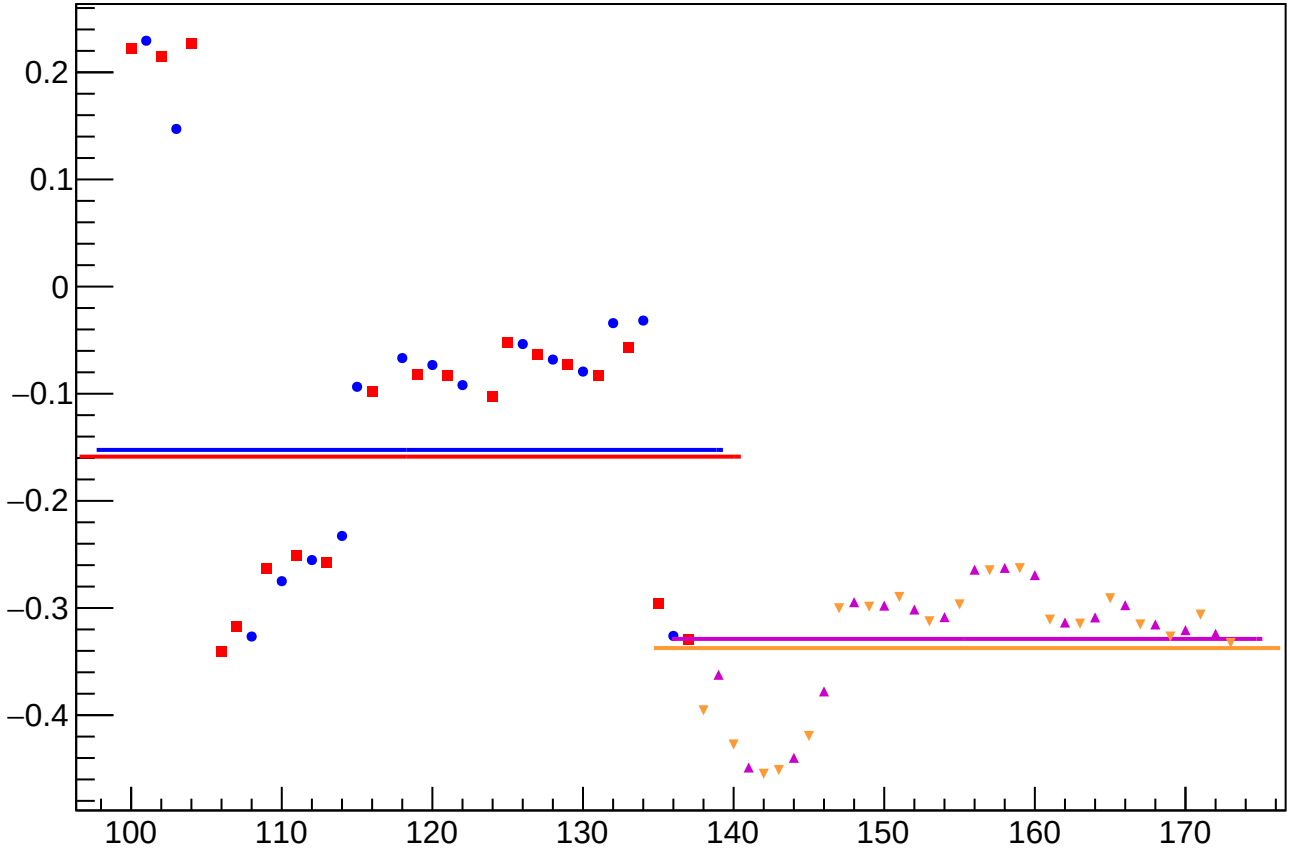
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:2250695.4/32

Out: 0.013+/-0.000 χ^2/NDF:2405233.3/37

All: 0.013+/-0.000 χ^2/NDF: 4656810.1/70

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.337+/-0.000 χ^2/NDF:126274232.5/18

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.329+/-0.000 χ^2/NDF:103621768.9/16

Left: -0.333+/-0.000 χ^2/NDF: 231142609.3/35

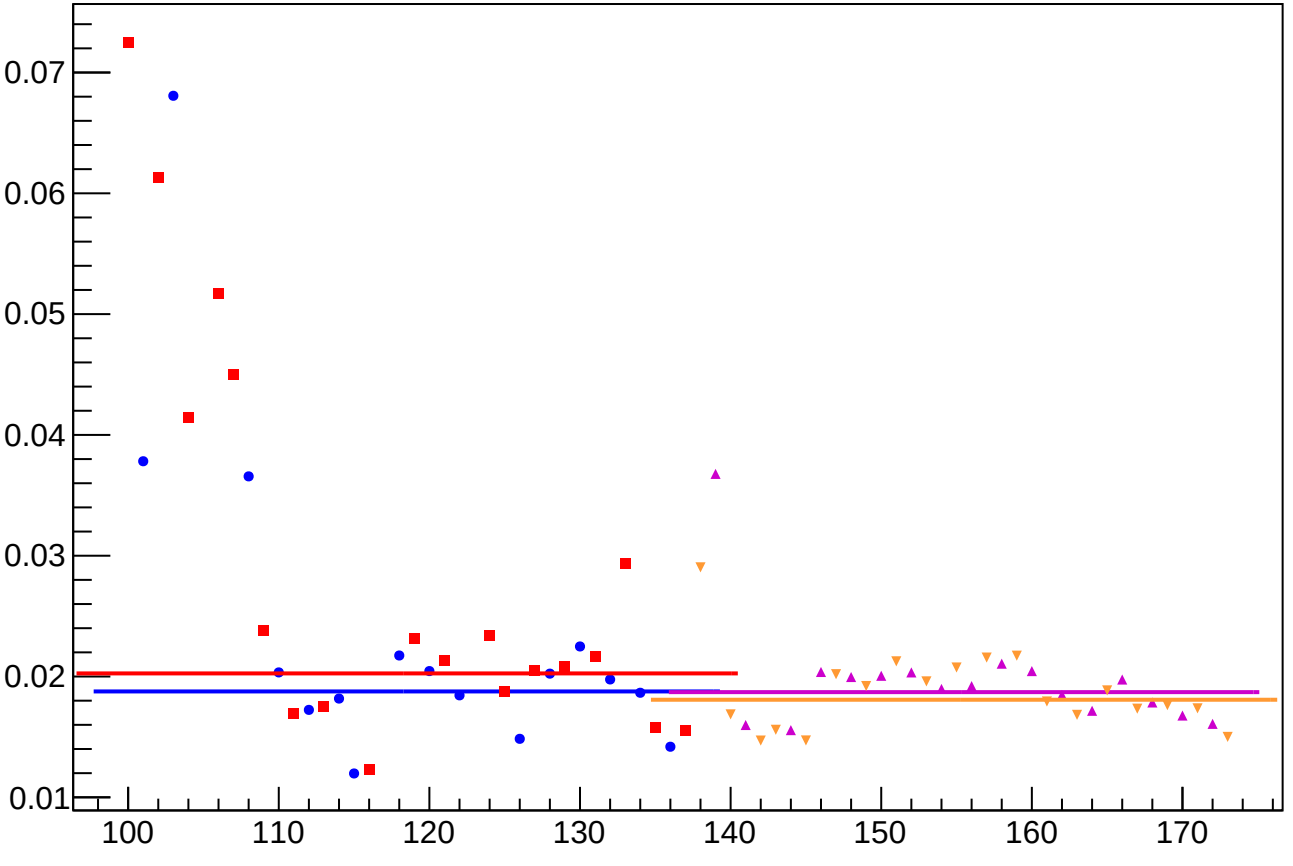
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.273+/-0.000 χ^2/NDF:695837455.3/32

Out: -0.290+/-0.000 χ^2/NDF:632992134.9/37

All: -0.282+/-0.000 χ^2/NDF: 1336116087.8/7

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.018+/-0.000 χ^2/NDF:548281.1/18

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.019+/-0.000 χ^2/NDF:622029.7/16

Left: 0.018+/-0.000 χ^2/NDF: 1183896.4/35

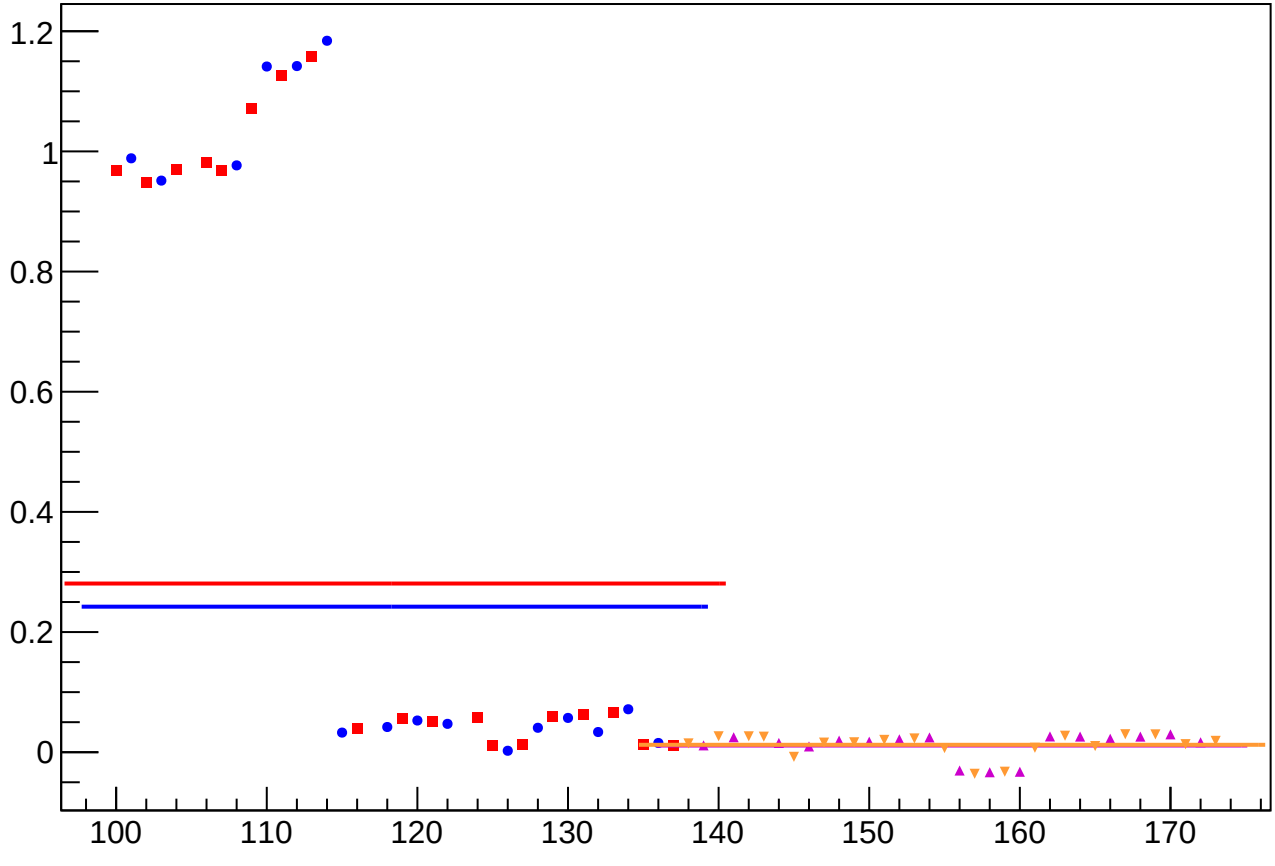
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1971509.5/32

Out: 0.019+/-0.000 χ^2/NDF:2170509.6/37

All: 0.019+/-0.000 χ^2/NDF: 4142255.2/70

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.012+/-0.000 χ^2/NDF:44619622.2/18

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.011+/-0.000 χ^2/NDF:55270567.1/16

Left: 0.012+/-0.000 χ^2/NDF: 99985652.3/35

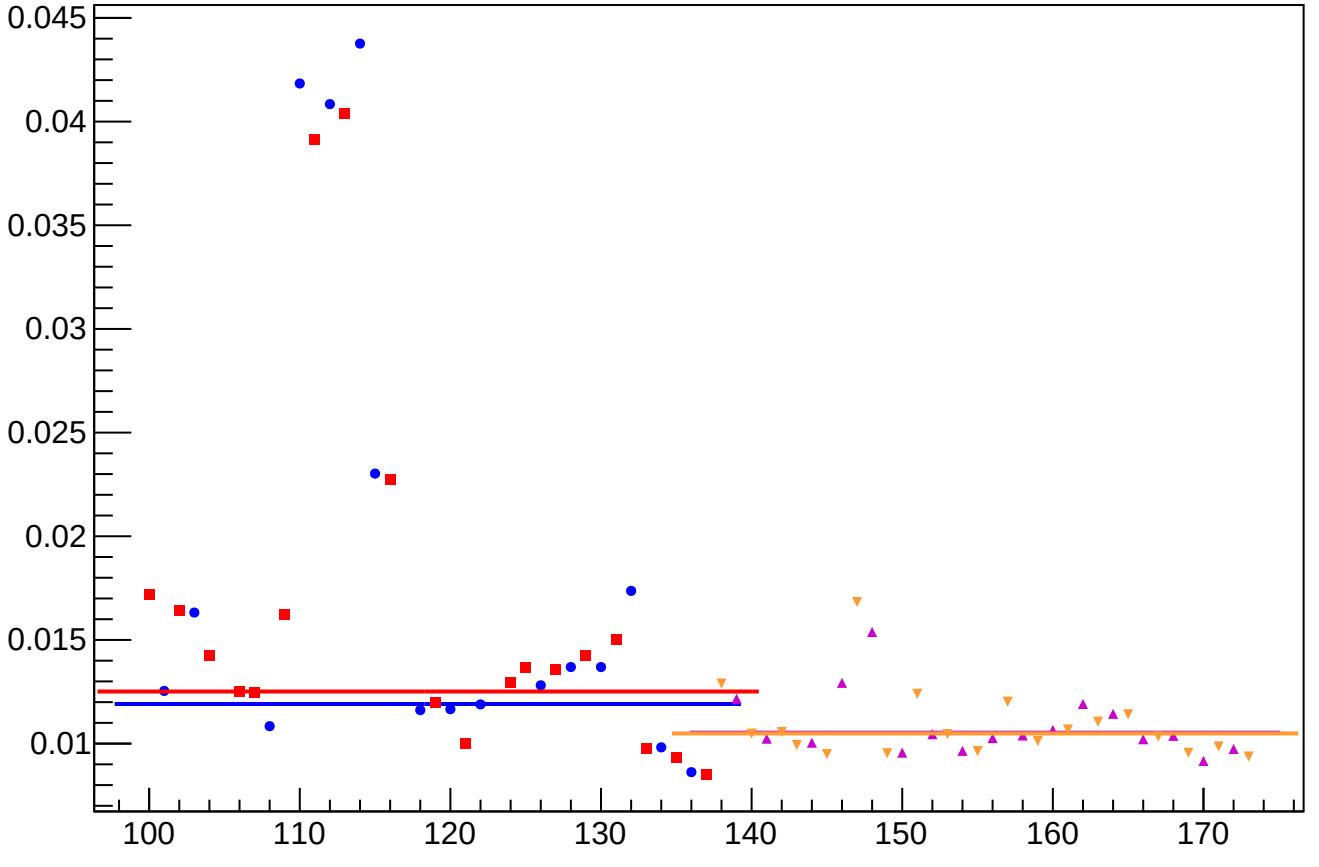
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.071+/-0.000 χ^2/NDF:8226602675.4/32

Out: 0.075+/-0.000 χ^2/NDF:8968537725.5/37

All: 0.073+/-0.000 χ^2/NDF: 17196132826.7/7

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.010+/-0.000 χ^2/NDF:450198.8/18

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:359329.0/16

Left: 0.011+/-0.000 χ^2/NDF: 809697.6/35

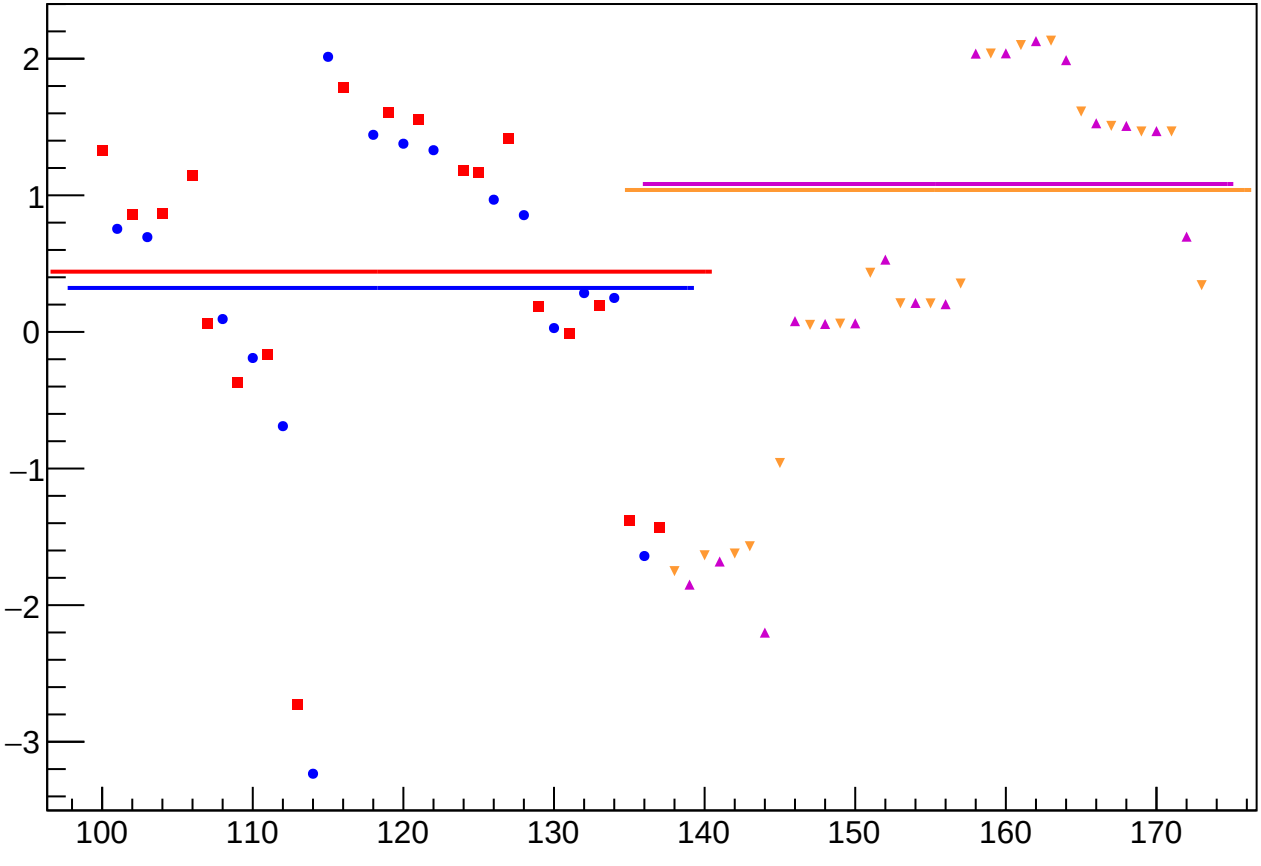
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1937971.6/32

Out: 0.011+/-0.000 χ^2/NDF:2088702.3/37

All: 0.011+/-0.000 χ^2/NDF: 4027556.1/70

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 1.039+/-0.000 χ^2/NDF:31464480368.0/18

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: 1.083+/-0.000 χ^2/NDF:33890725813.3/16

Left: 1.061+/-0.000 χ^2/NDF: 65397224933.8/35

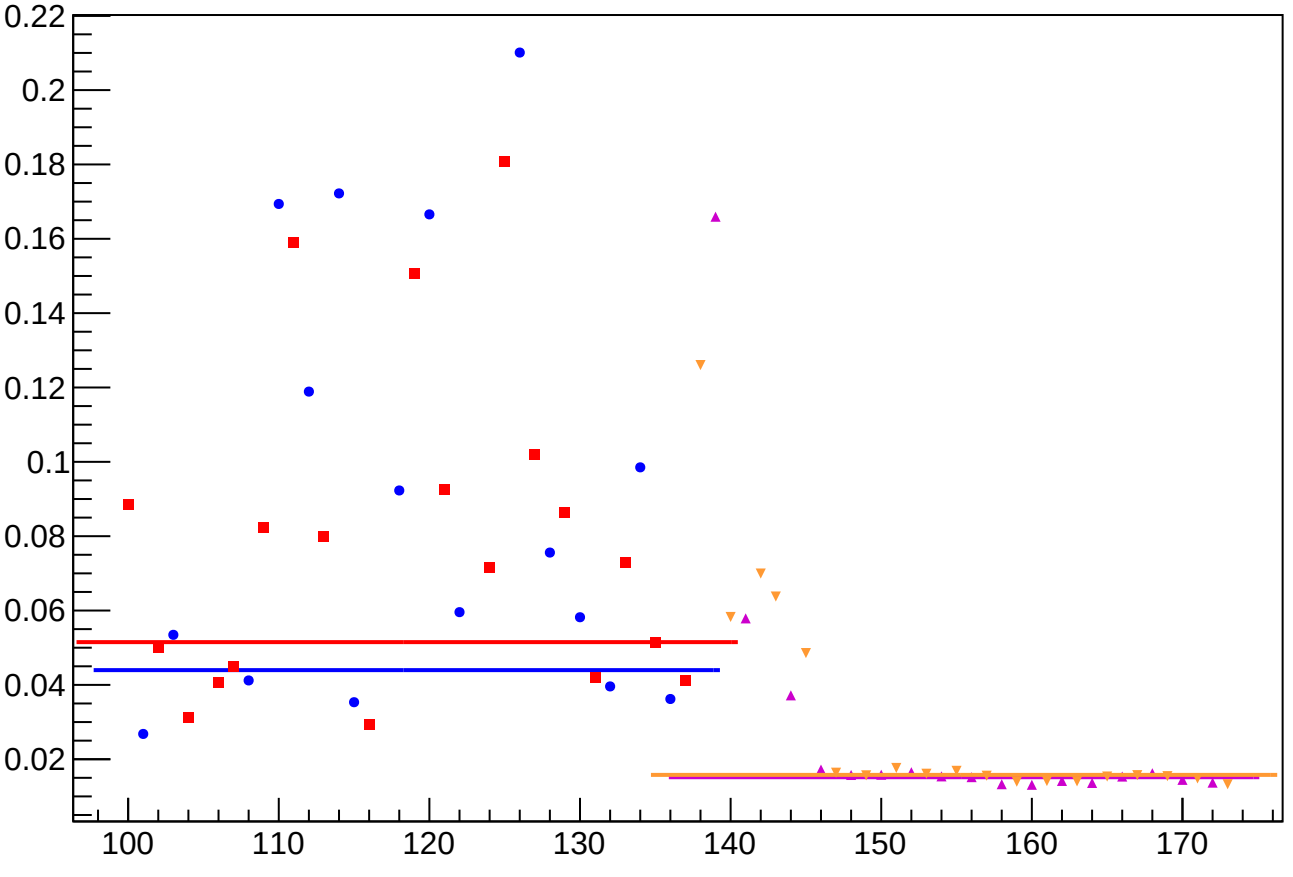
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 1.050+/-0.000 χ^2/NDF:36655631418.3/32

Out: 1.017+/-0.000 χ^2/NDF:33828032901.3/37

All: 1.034+/-0.000 χ^2/NDF: 70508635751.0/7

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:2941620.9/18

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2168976.6/16

Left: 0.015+/-0.000 χ^2/NDF: 5127886.0/35

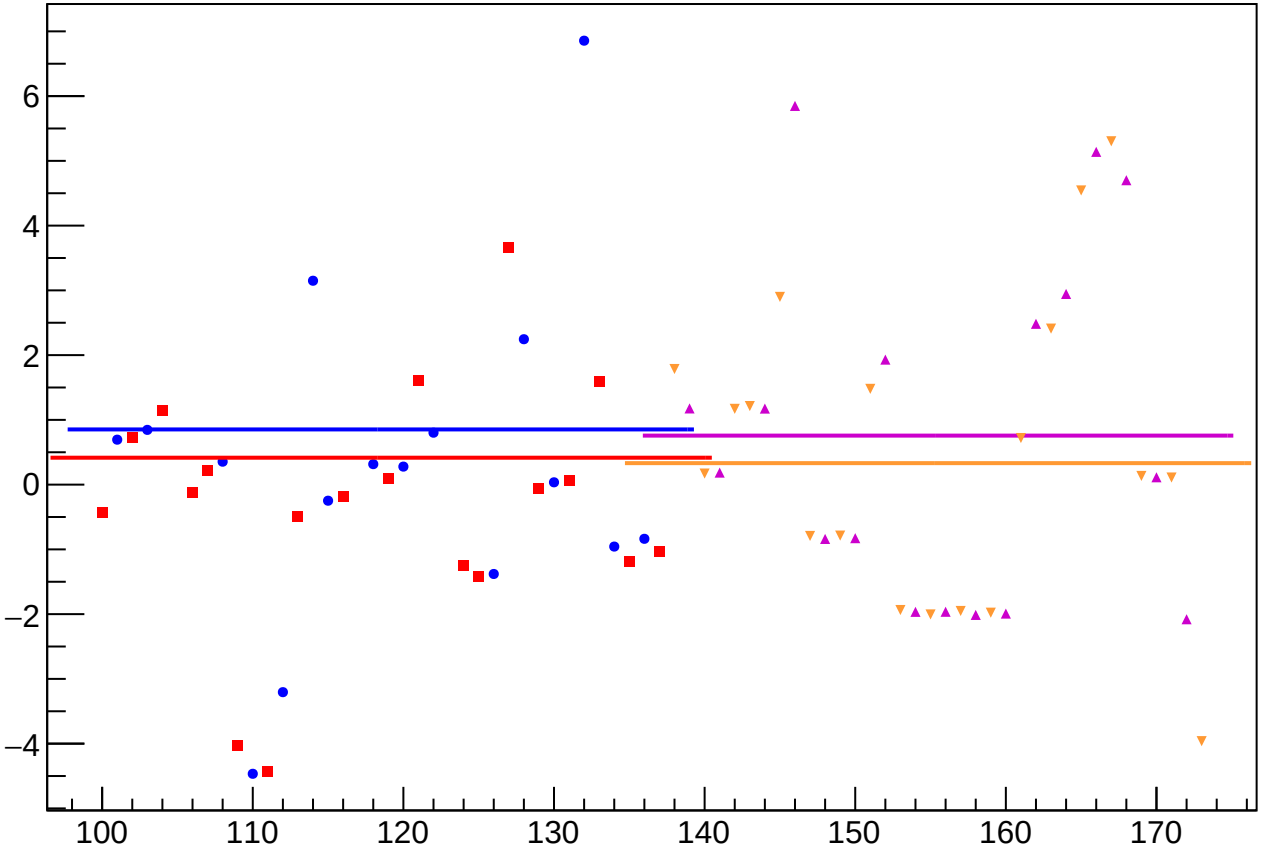
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.016+/-0.000 χ^2/NDF:8109472.4/32

Out: 0.017+/-0.000 χ^2/NDF:9353492.9/37

All: 0.017+/-0.000 χ^2/NDF: 17485448.0/70

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.332+/-0.000 χ^2/NDF:497389556790.2/18

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: 0.757+/-0.000 χ^2/NDF:568003249724.6/16

Left: 0.545+/-0.000 χ^2/NDF: 1071664729331.4/35

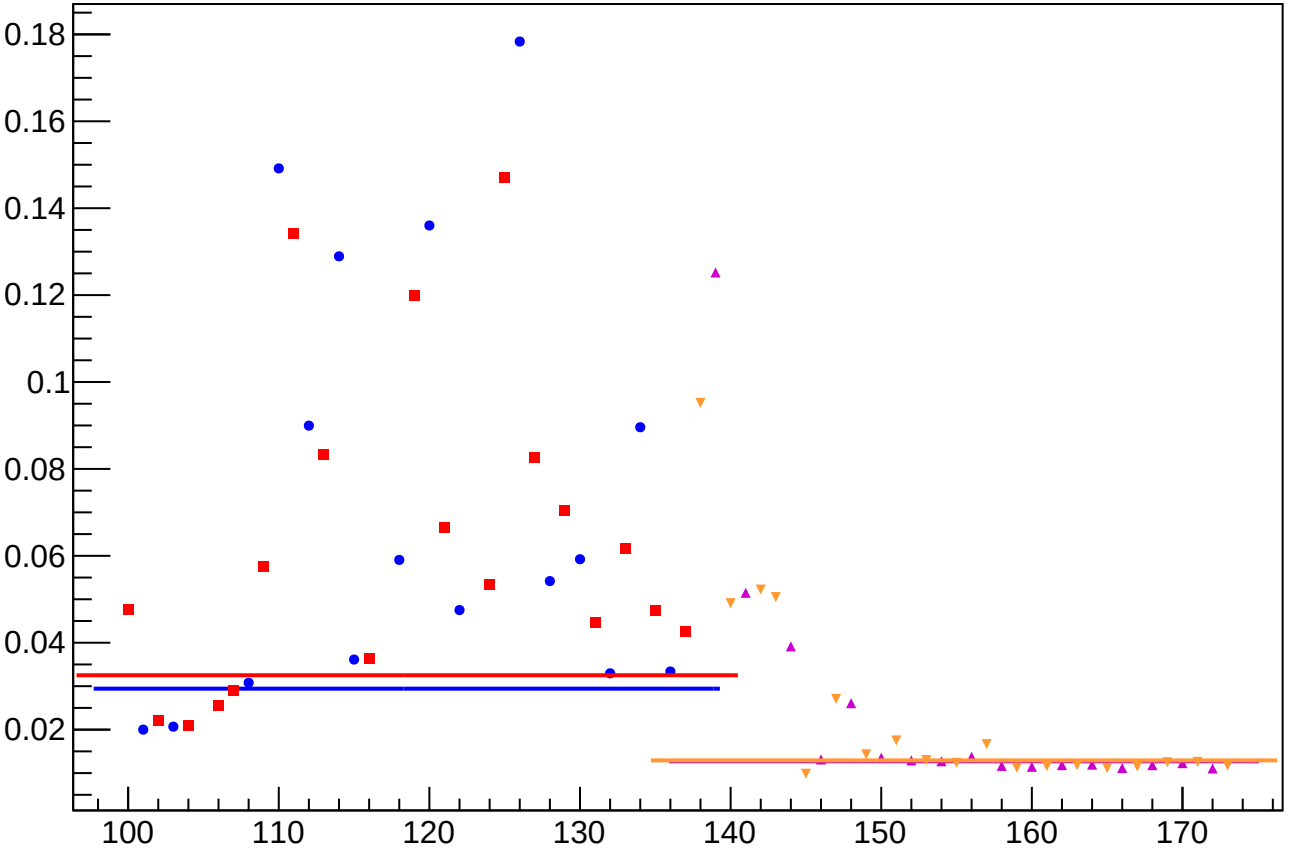
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.763+/-0.000 χ^2/NDF:579615827594.0/32

Out: 0.336+/-0.000 χ^2/NDF:502537507589.0/37

All: 0.550+/-0.000 χ^2/NDF: 1088826323010.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.013+/-0.000 χ^2/NDF:3129101.5/18

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.013+/-0.000 χ^2/NDF:2719275.3/16

Left: 0.013+/-0.000 χ^2/NDF: 5851637.4/35

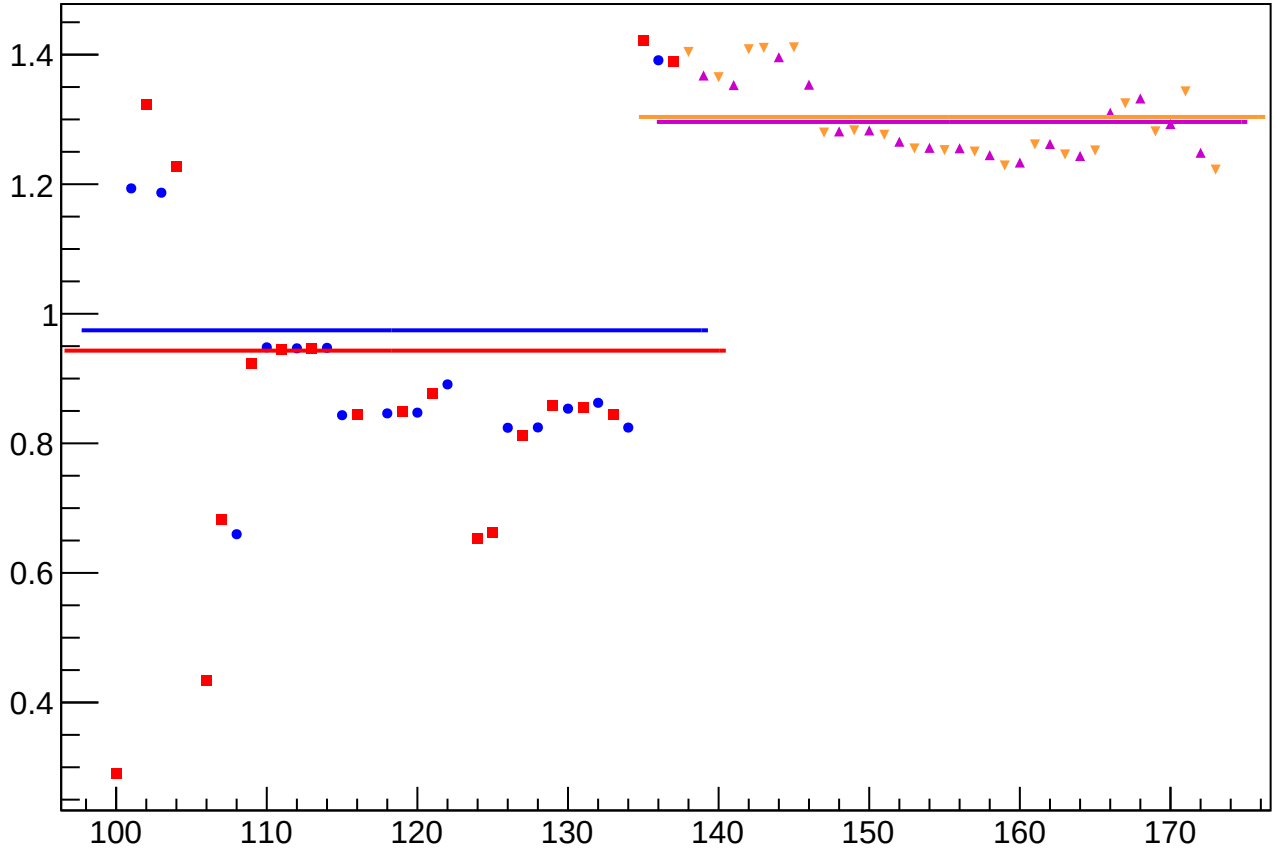
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.014+/-0.000 χ^2/NDF:8155813.7/32

Out: 0.014+/-0.000 χ^2/NDF:9280186.7/37

All: 0.014+/-0.000 χ^2/NDF: 17442406.6/70

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.304+/-0.000 χ^2/NDF:297659639.0/18

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.296+/-0.000 χ^2/NDF:164701280.1/16

Left: 1.300+/-0.000 χ^2/NDF: 464413050.2/35

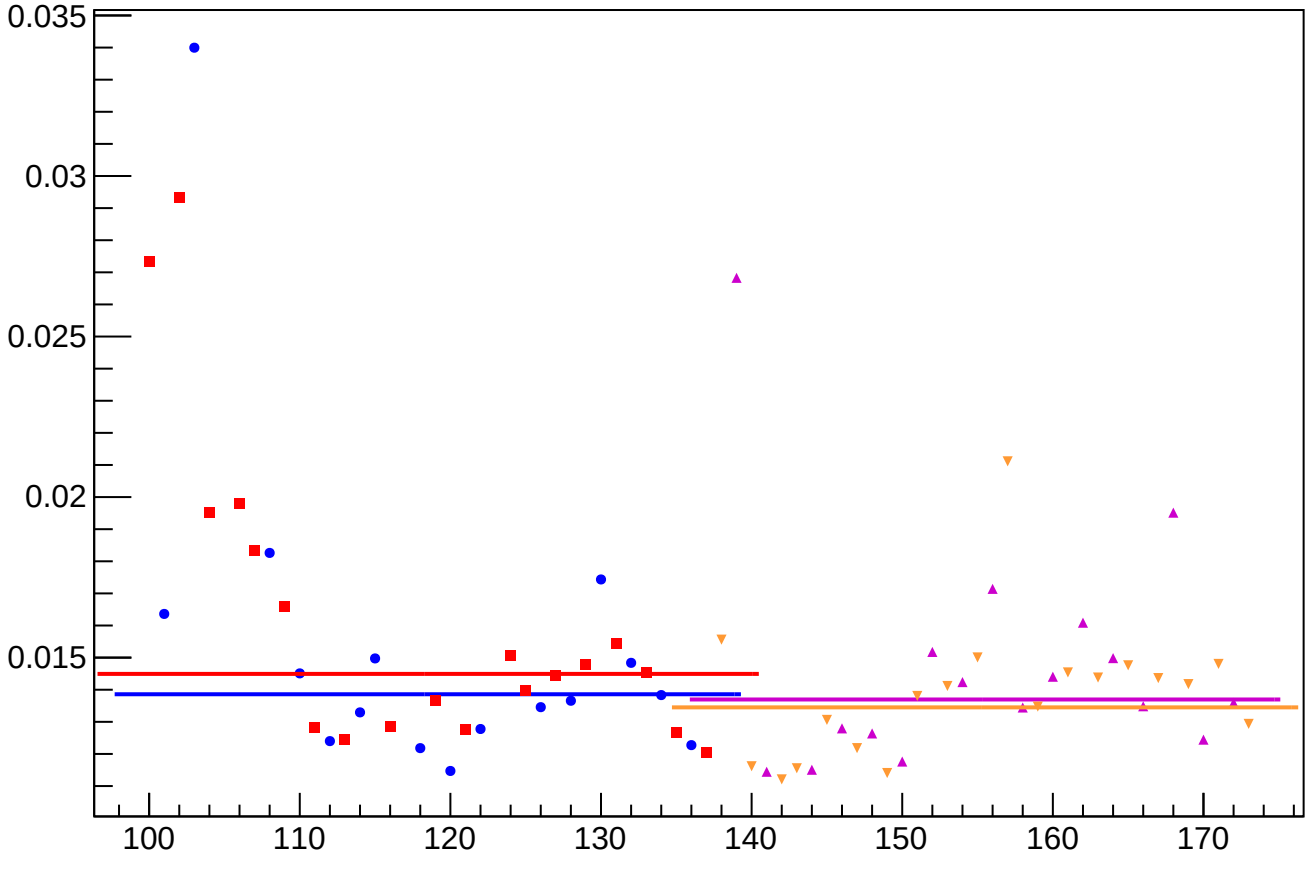
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.190+/-0.000 χ^2/NDF:3863687345.4/32

Out: 1.196+/-0.000 χ^2/NDF:4757764696.5/37

All: 1.193+/-0.000 χ^2/NDF: 8623743751.0/70

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:427640.1/18

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:842391.2/16

Left: 0.014+/-0.000 χ^2/NDF: 1274169.0/35

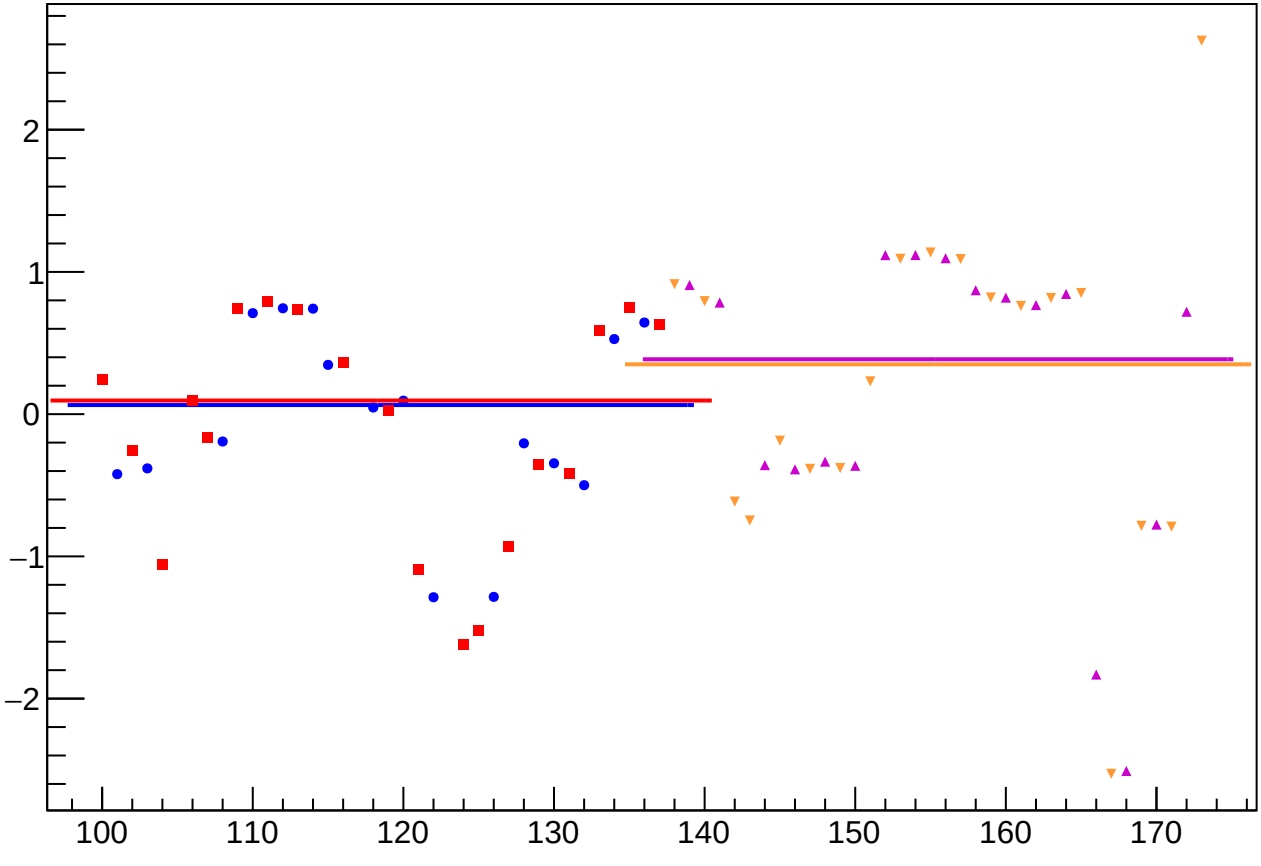
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:1443521.8/32

Out: 0.014+/-0.000 χ^2/NDF:1018581.5/37

All: 0.014+/-0.000 χ^2/NDF: 2462115.0/70

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.350+/-0.000 χ^2/NDF:99845679768.5/18

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.386+/-0.000 χ^2/NDF:84133296002.9/16

Left: 0.368+/-0.000 χ^2/NDF: 184037164138.6/35

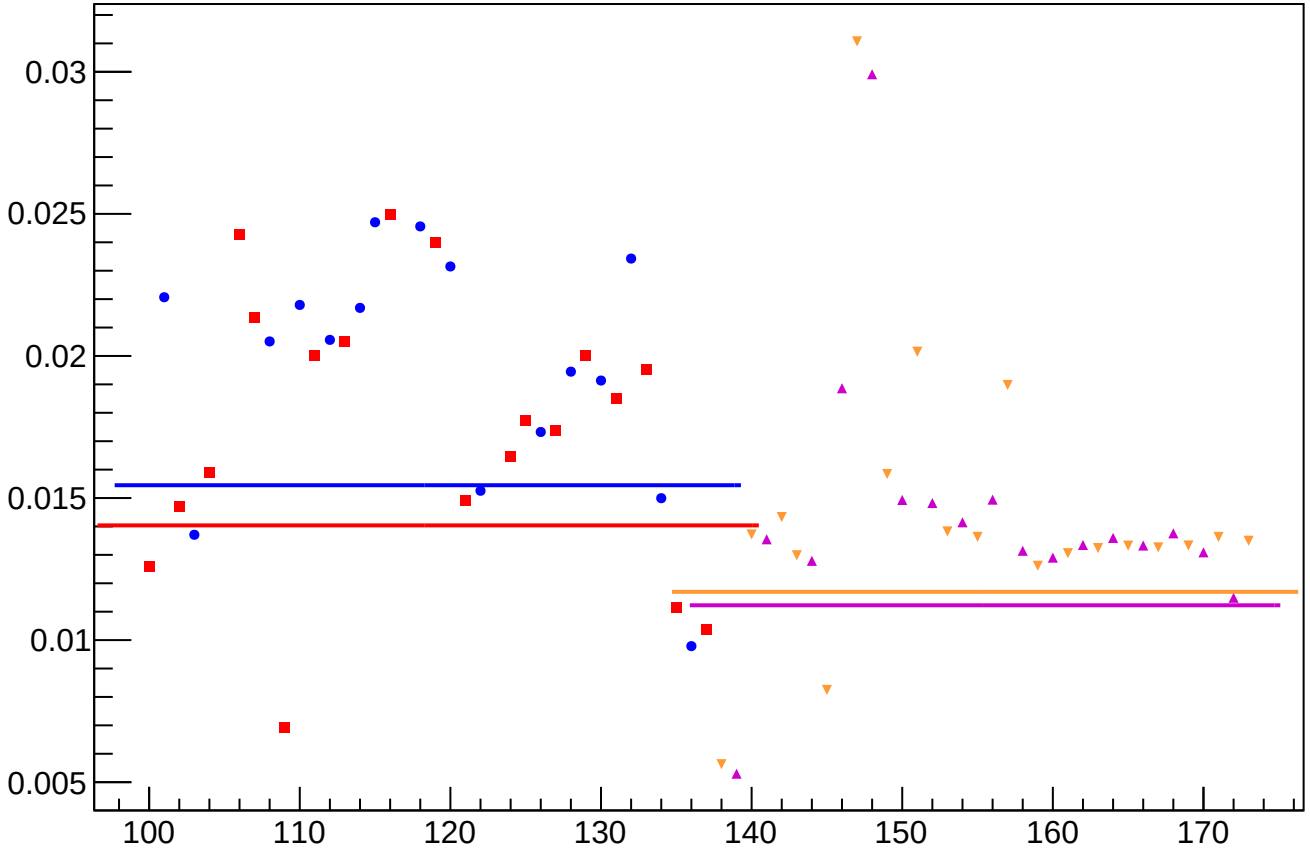
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.317+/-0.000 χ^2/NDF:97216064600.3/32

Out: 0.288+/-0.000 χ^2/NDF:119089009642.7/37

All: 0.302+/-0.000 χ^2/NDF: 216353591546.7

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:3199006.7/18

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.011+/-0.000 χ^2/NDF:3567212.1/16

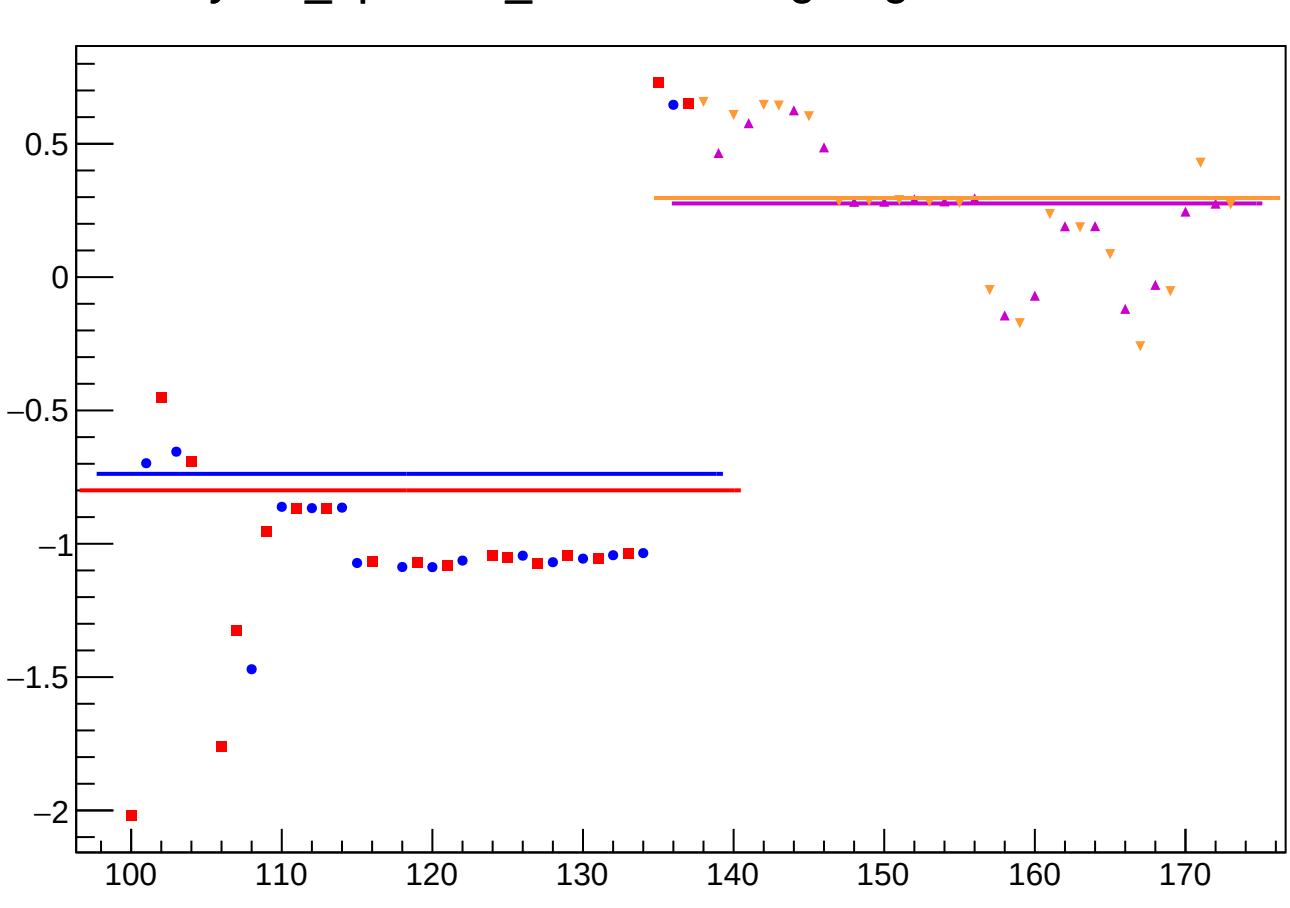
Left: 0.011+/-0.000 χ^2/NDF: 6786852.6/35

Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.012+/-0.000 χ^2/NDF:5565893.3/32

Out: 0.012+/-0.000 χ^2/NDF:5131867.4/37

All: 0.012+/-0.000 χ^2/NDF: 10699969.9/70



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.297+/-0.000 χ^2/NDF:747572644.7/18

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.276+/-0.000 χ^2/NDF:501775660.3/16

Left: 0.287+/-0.000 χ^2/NDF: 1251498399.9/35

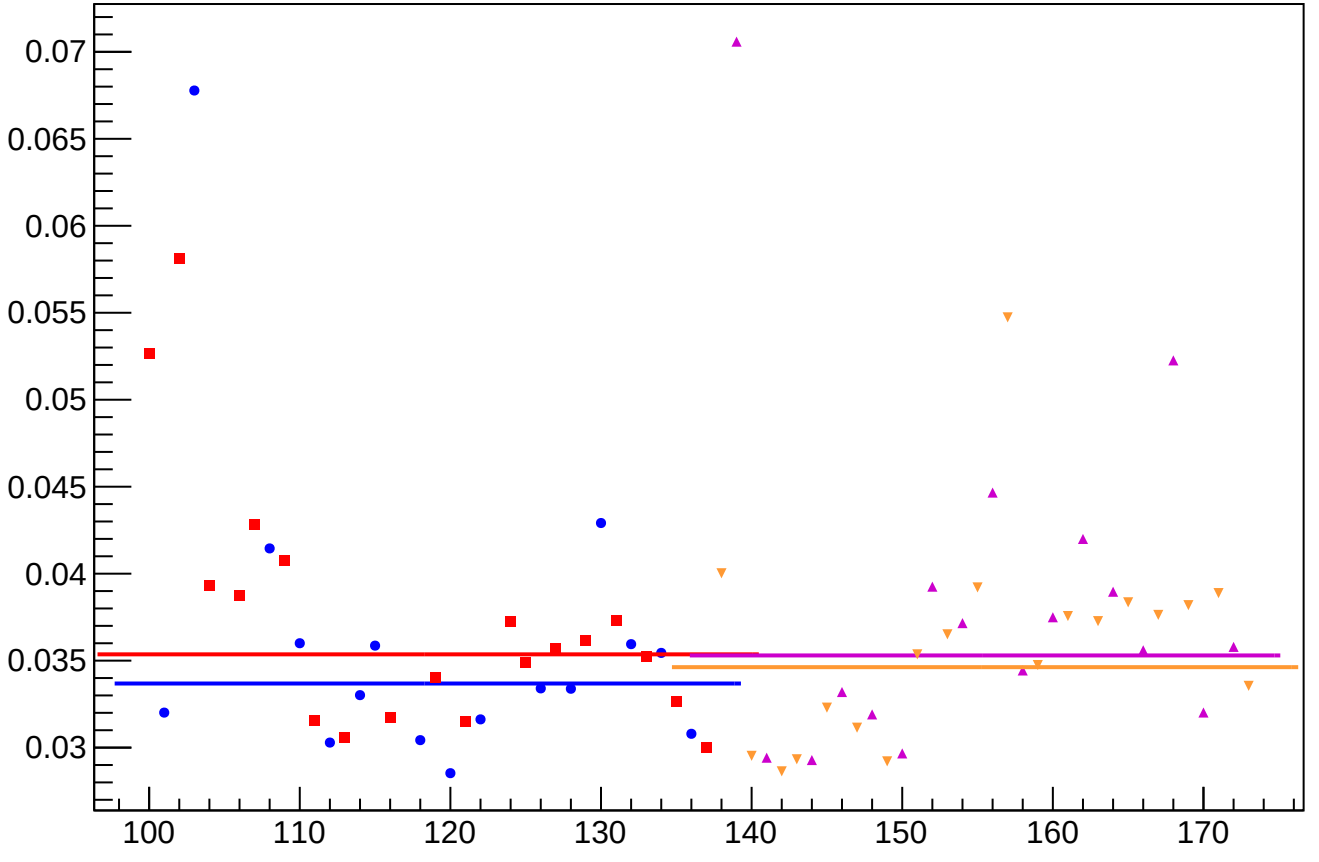
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.092+/-0.000 χ^2/NDF:6213513594.3/32

Out: -0.059+/-0.000 χ^2/NDF:6831775563.3/37

All: -0.075+/-0.000 χ^2/NDF: 13053729996.0/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.035+/-0.000 χ^2/NDF:482367.4/18

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.035+/-0.000 χ^2/NDF:929395.1/16

Left: 0.035+/-0.000 χ^2/NDF: 1416410.7/35

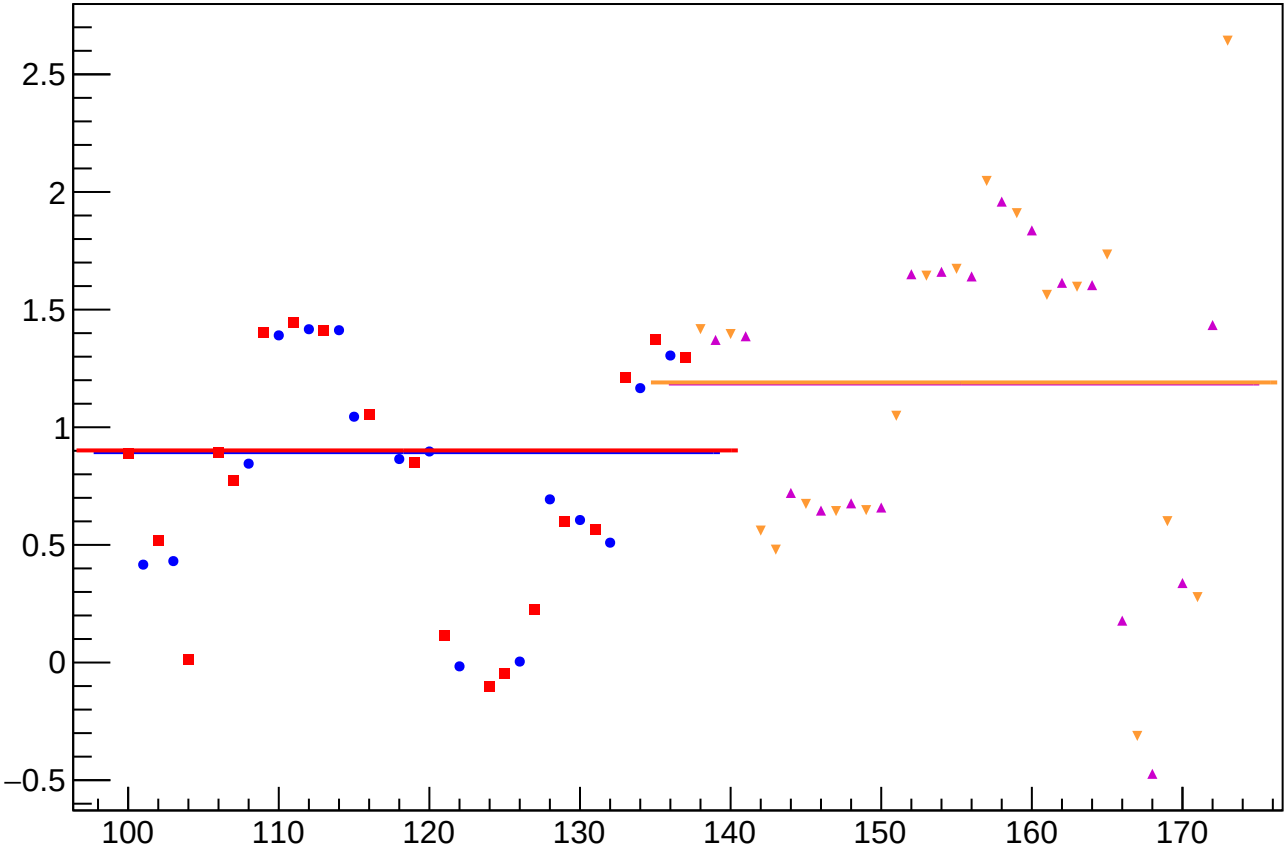
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.035+/-0.000 χ^2/NDF:1368056.8/32

Out: 0.035+/-0.000 χ^2/NDF:782516.3/37

All: 0.035+/-0.000 χ^2/NDF: 2150929.3/70

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.190+/-0.000 χ^2/NDF:85272260586.2/18

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.186+/-0.000 χ^2/NDF:65762799043.7/16

Left: 1.188+/-0.000 χ^2/NDF: 151036658676.9/35

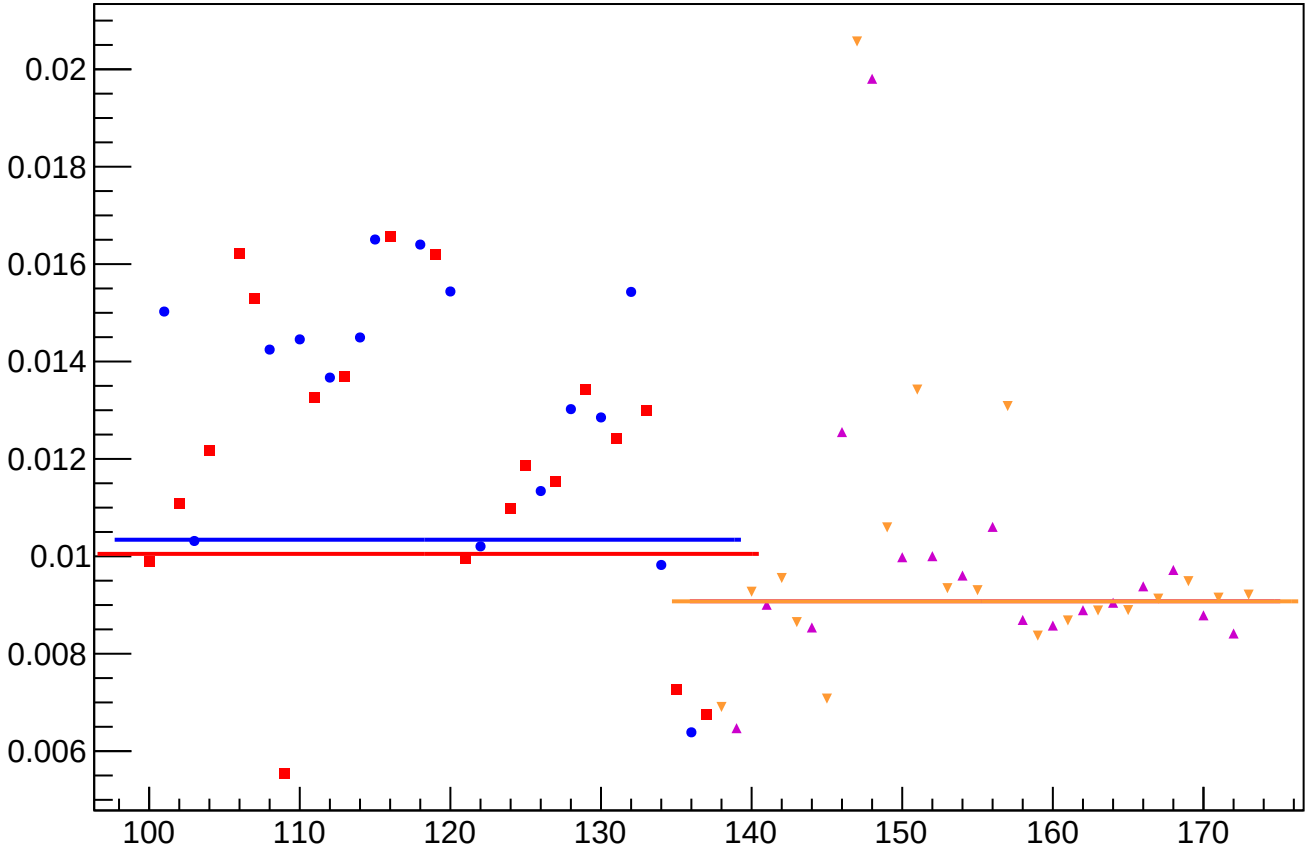
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.109+/-0.000 χ^2/NDF:82008032720.0/32

Out: 1.114+/-0.000 χ^2/NDF:106865356305.9/37

All: 1.112+/-0.000 χ^2/NDF: 188876006240.8

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:1127738.0/18

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:937098.4/16

Left: 0.009+/-0.000 χ^2/NDF: 2064837.4/35

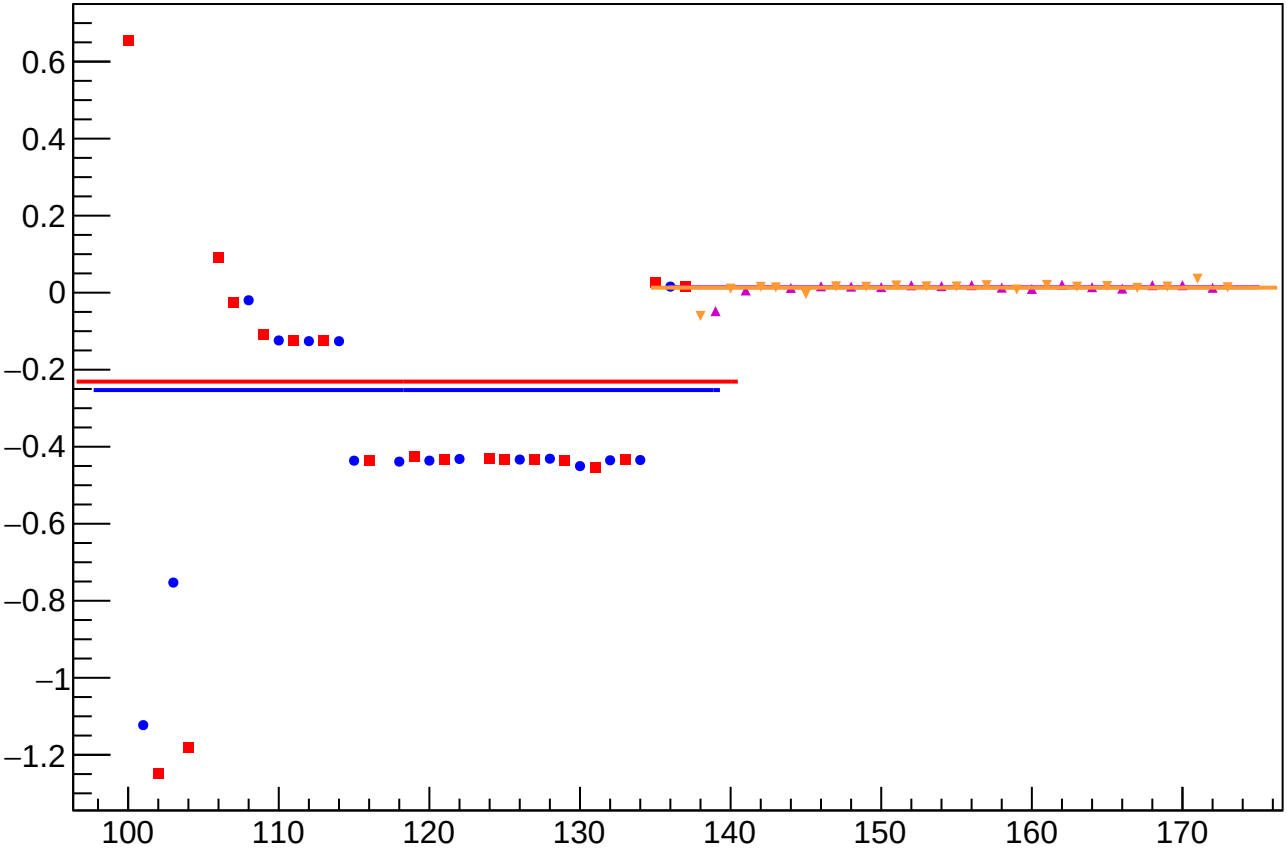
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.009+/-0.000 χ^2/NDF:2418517.2/32

Out: 0.009+/-0.000 χ^2/NDF:2548779.8/37

All: 0.009+/-0.000 χ^2/NDF: 4968611.1/70

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.013+/-0.000 χ^2/NDF:27366854.4/18

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: 0.014+/-0.000 χ^2/NDF:6716186.3/16

Left: 0.014+/-0.000 χ^2/NDF: 34167671.8/35

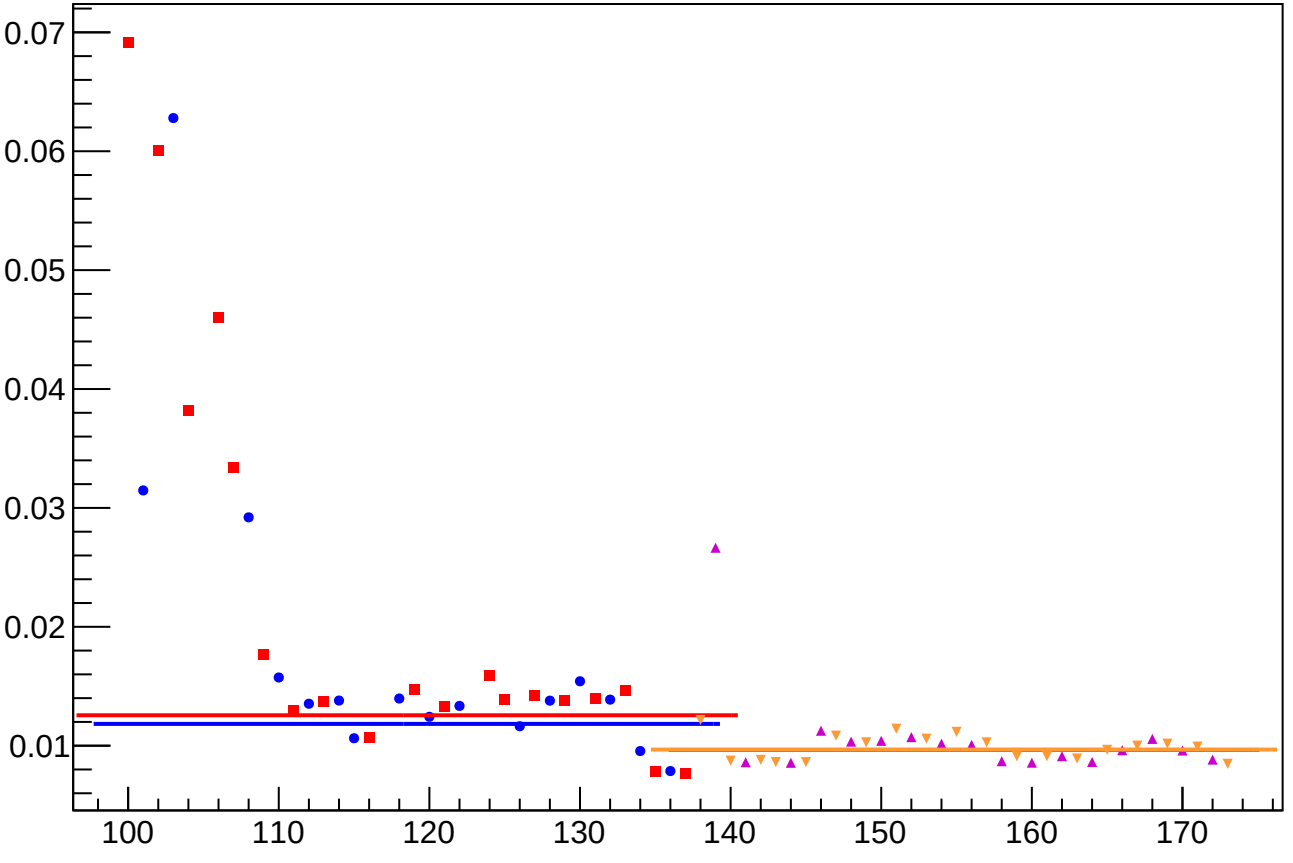
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.045+/-0.000 χ^2/NDF:3999819826.9/32

Out: -0.034+/-0.000 χ^2/NDF:3363372963.6/37

All: -0.039+/-0.000 χ^2/NDF: 7374289776.2/7

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:253928.9/18

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.010+/-0.000 χ^2/NDF:868064.3/16

Left: 0.010+/-0.000 χ^2/NDF: 1122096.1/35

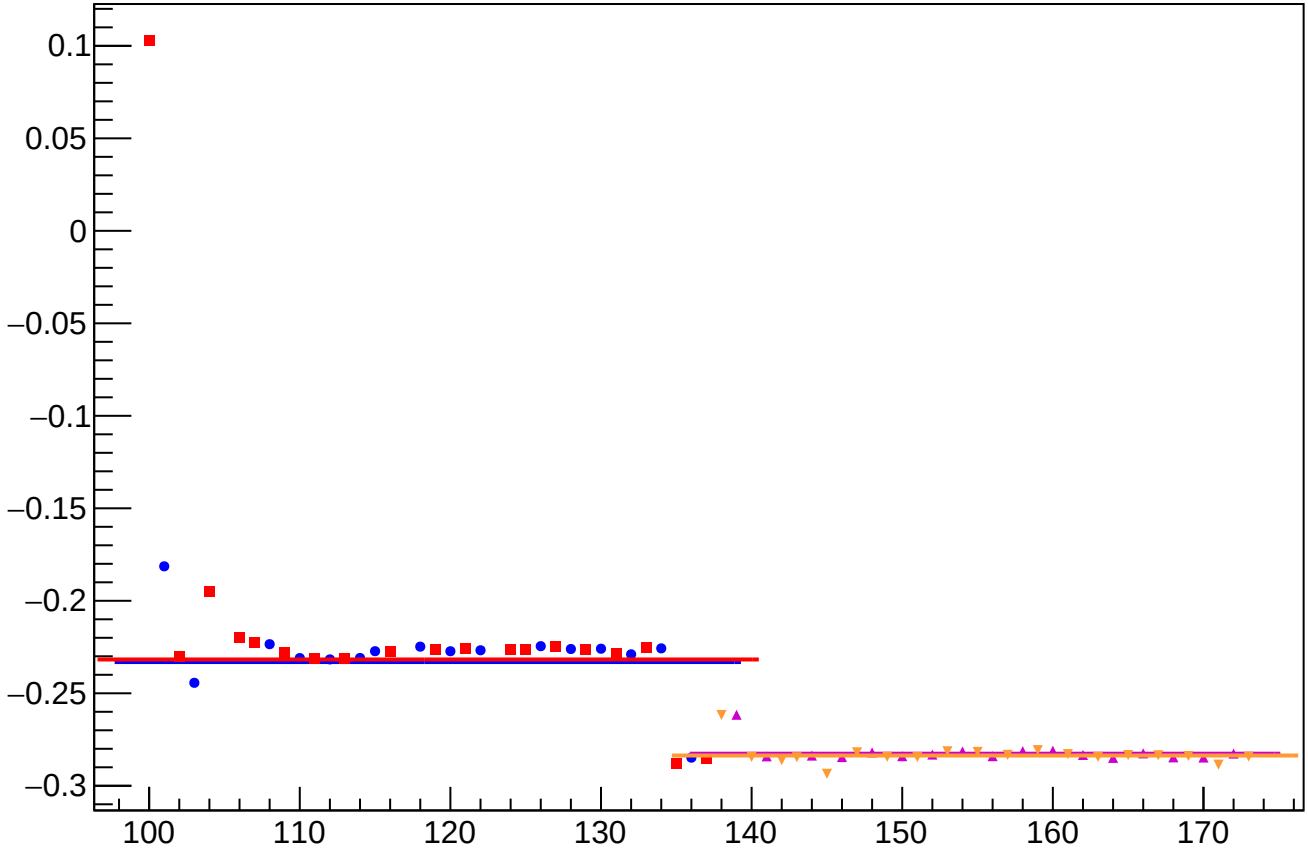
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.010+/-0.000 χ^2/NDF:3074928.1/32

Out: 0.010+/-0.000 χ^2/NDF:2898906.8/37

All: 0.010+/-0.000 χ^2/NDF: 5975241.4/70

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.284+/-0.000 χ^2/NDF:15832891.7/18

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.283+/-0.000 χ^2/NDF:6766536.3/16

Left: -0.283+/-0.000 χ^2/NDF: 22848232.6/35

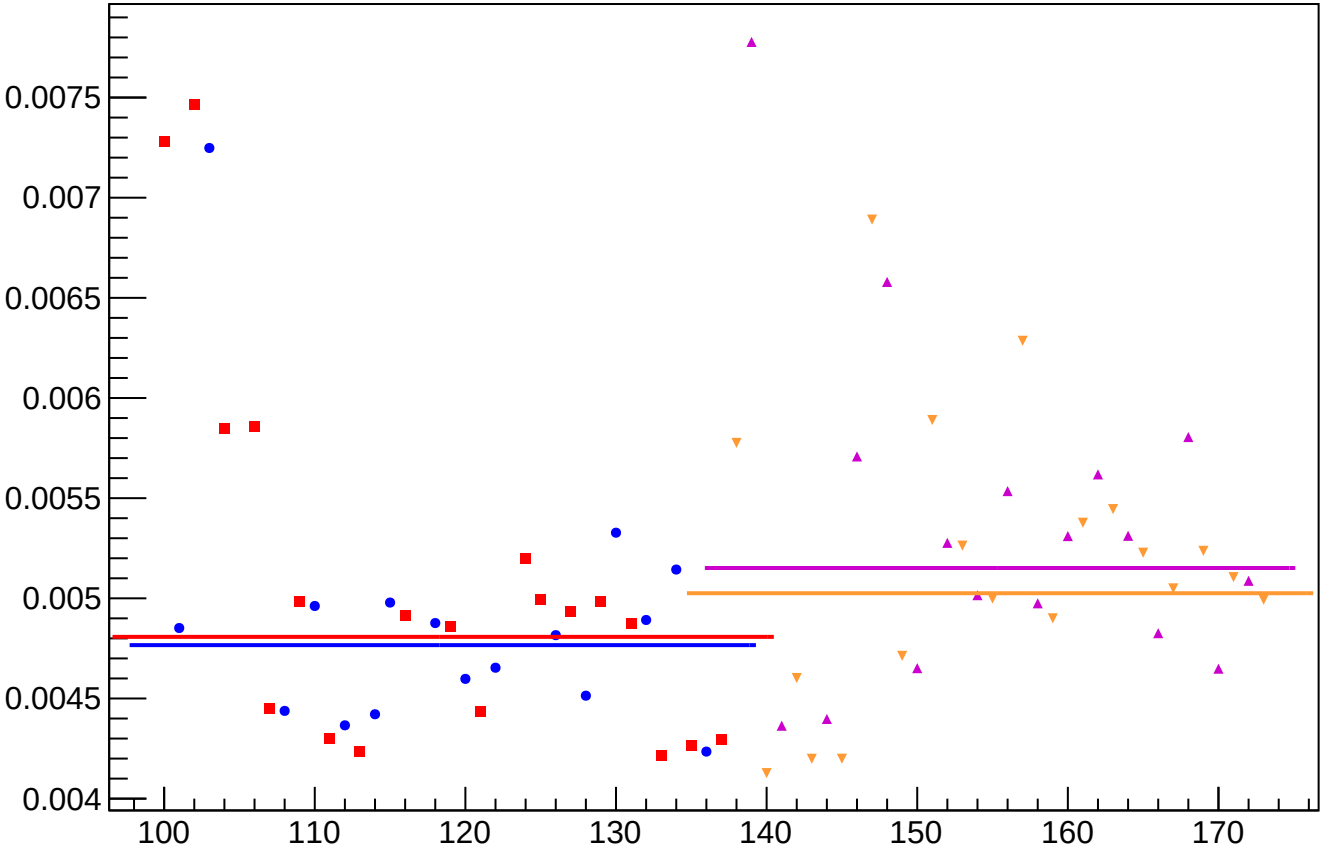
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.265+/-0.000 χ^2/NDF:647161923.4/32

Out: -0.266+/-0.000 χ^2/NDF:815284385.7/37

All: -0.265+/-0.000 χ^2/NDF: 1463019363.1/7

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:456487.9/18

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:463343.3/16

Left: 0.005+/-0.000 χ^2/NDF: 928074.5/35

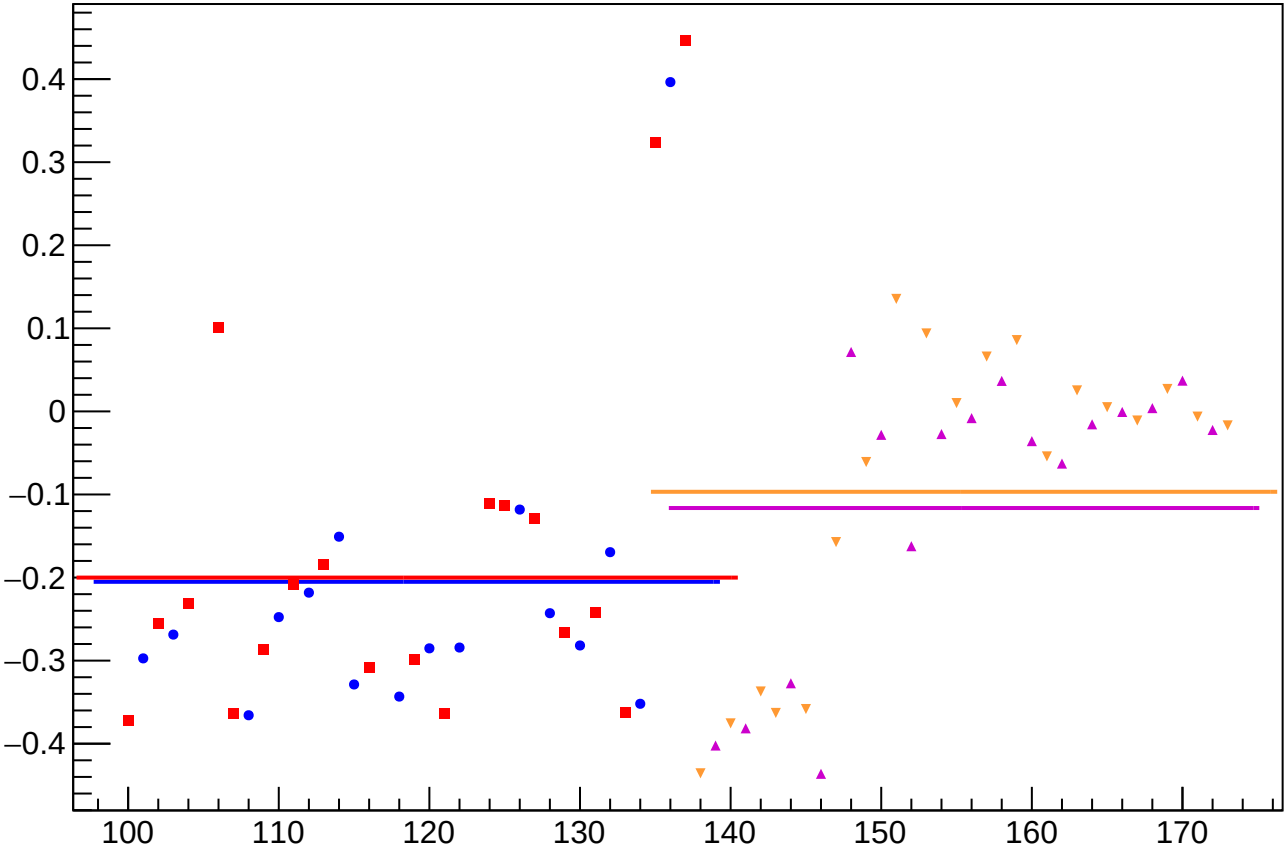
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:708414.6/32

Out: 0.005+/-0.000 χ^2/NDF:768266.5/37

All: 0.005+/-0.000 χ^2/NDF: 1479612.7/70

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.097+/-0.000 χ^2/NDF:16098715034.4/18

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.116+/-0.000 χ^2/NDF:11853855883.7/16

Left: -0.106+/-0.000 χ^2/NDF: 28037183210.9/35

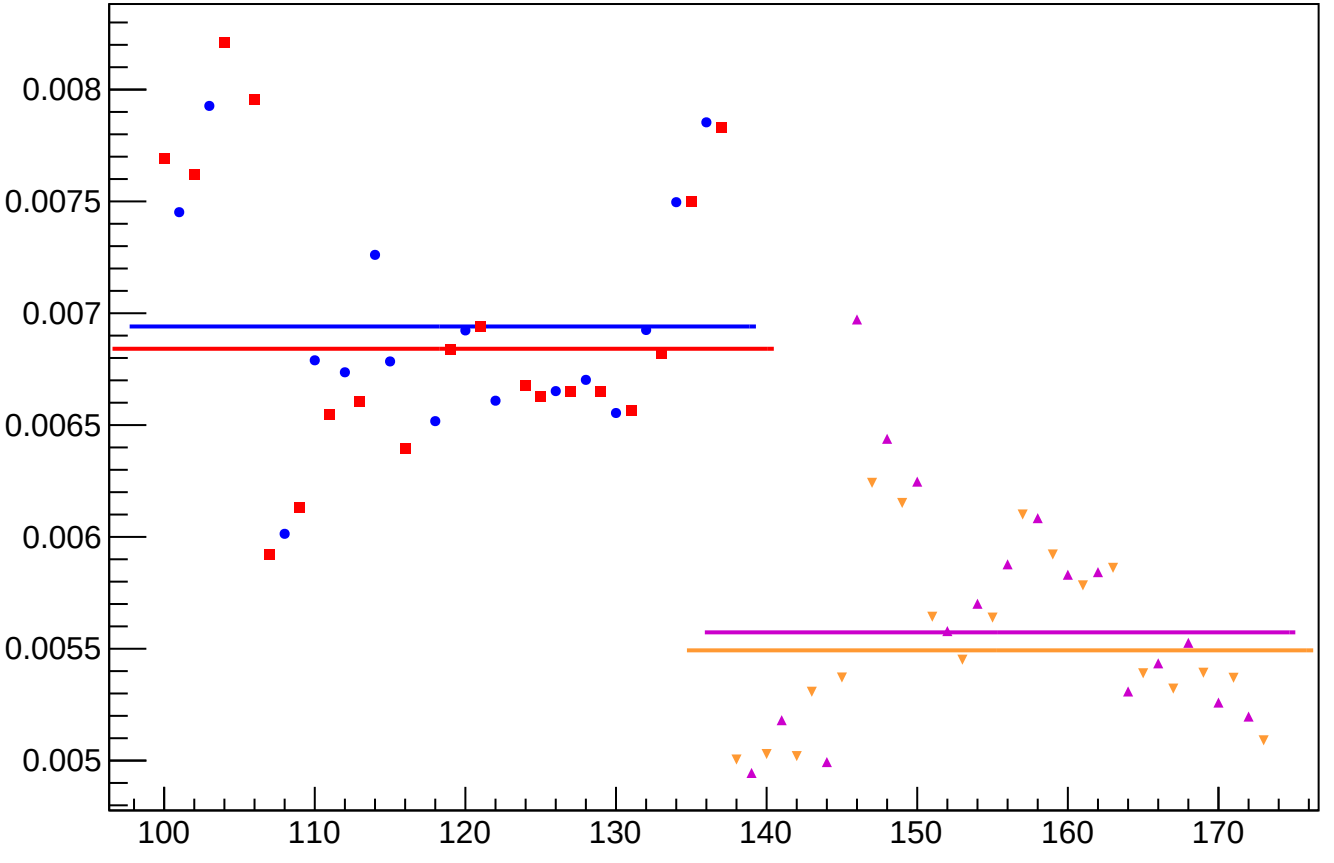
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.139+/-0.000 χ^2/NDF:18898126852.5/32

Out: -0.122+/-0.000 χ^2/NDF:22585845962.3/37

All: -0.130+/-0.000 χ^2/NDF: 41568049721.5/

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:125112.9/18

Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:202245.3/16

Left: 0.006+/-0.000 χ^2/NDF: 330226.5/35

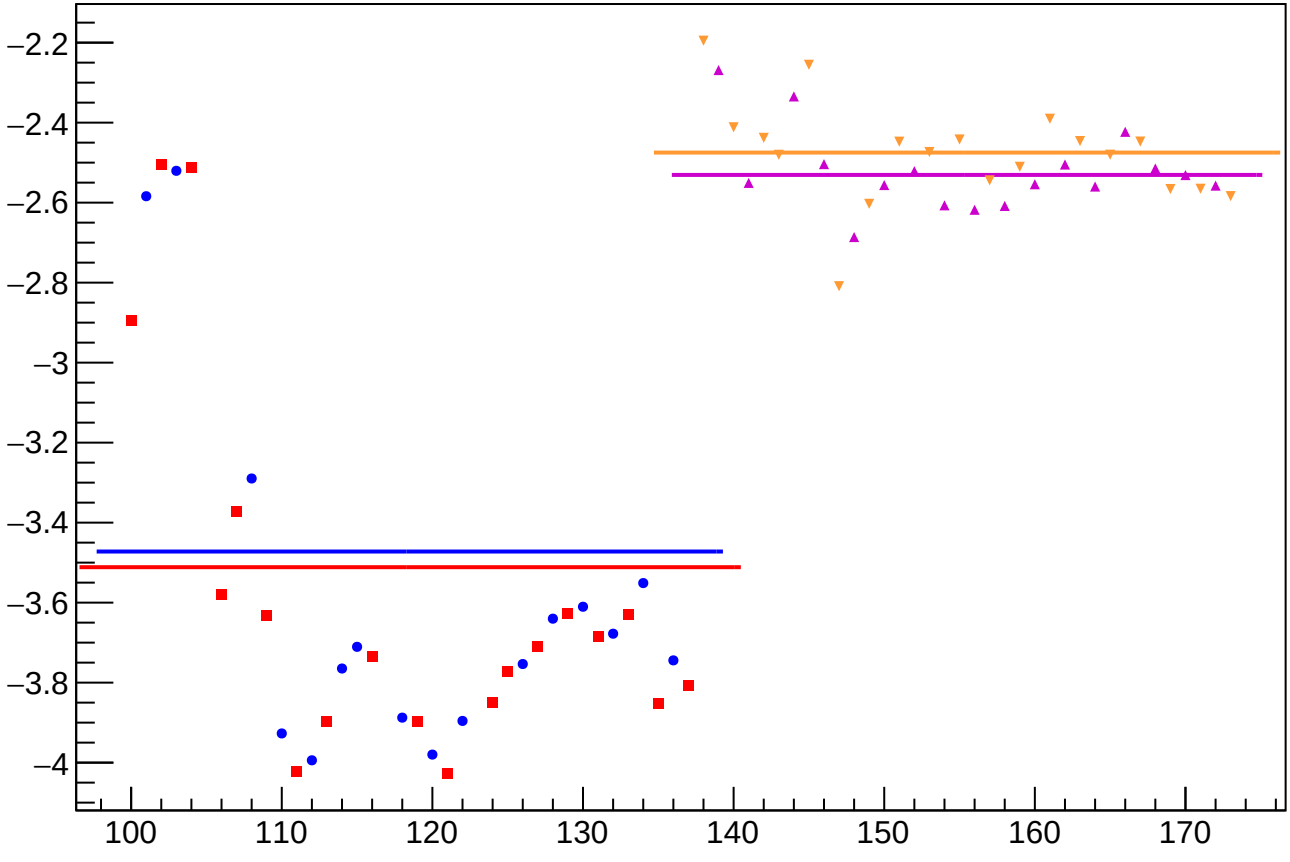
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:692821.2/32

Out: 0.006+/-0.000 χ^2/NDF:646556.0/37

All: 0.006+/-0.000 χ^2/NDF: 1345165.0/70

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.475+/-0.000 χ^2/NDF:2038918482.8/18

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.531+/-0.000 χ^2/NDF:1403279670.3/16

Left: -2.501+/-0.000 χ^2/NDF: 3729480449.4/35

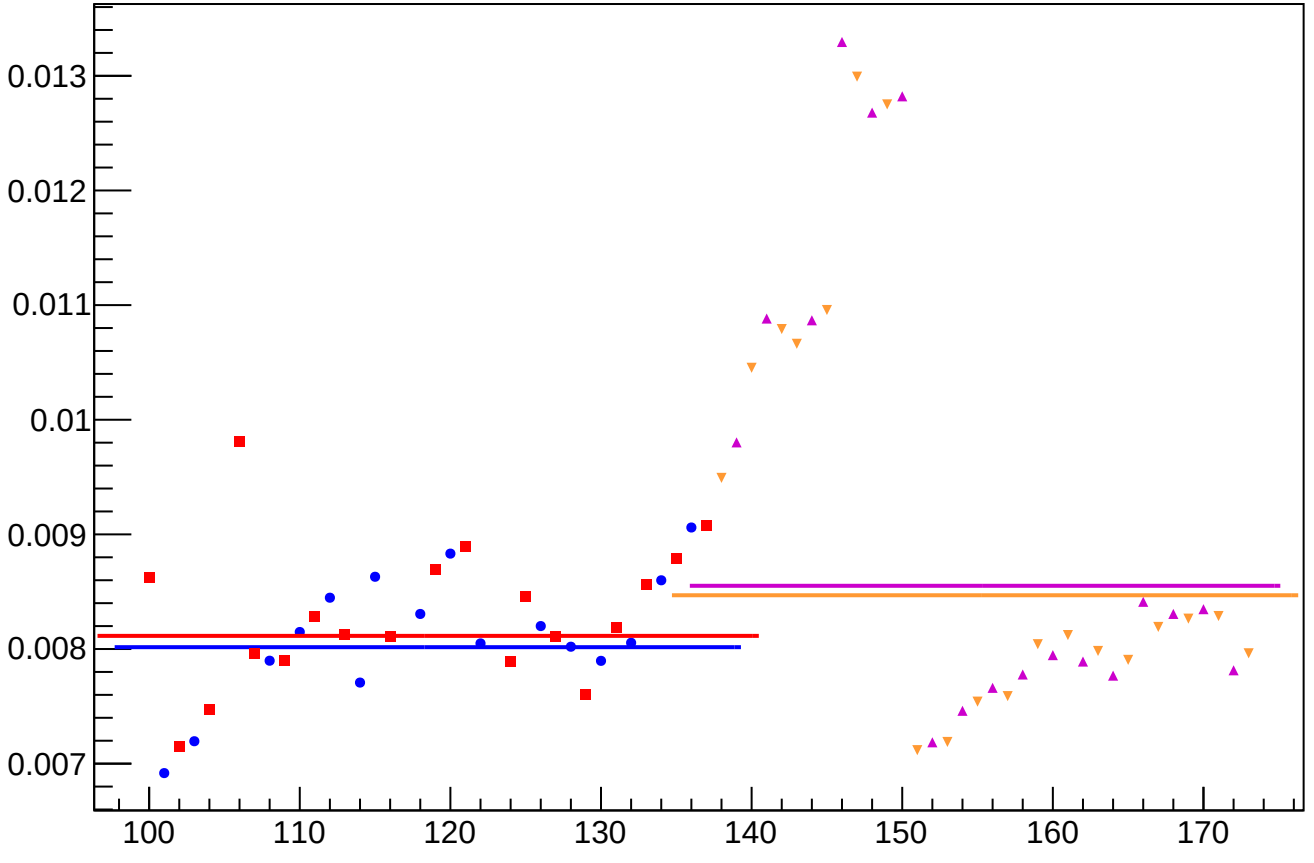
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -2.890+/-0.000 χ^2/NDF:90567289046.7/32

Out: -2.847+/-0.000 χ^2/NDF:106169731705.8/37

All: -2.868+/-0.000 χ^2/NDF: 197012186623.2

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:755585.0/18

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

Left In: 0.009+/-0.000 χ^2/NDF:865533.4/16

Left: 0.009+/-0.000 χ^2/NDF: 1622374.3/35

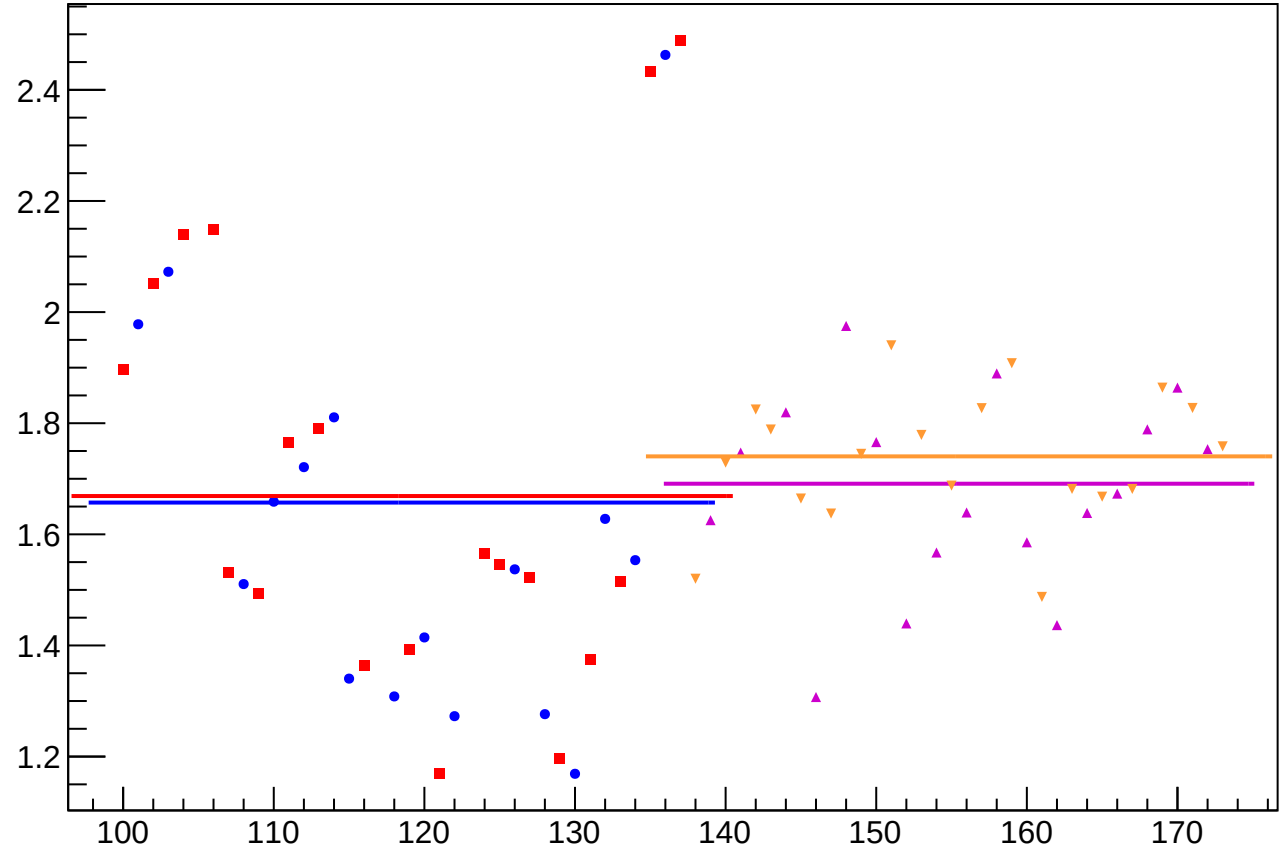
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.008+/-0.000 χ^2/NDF:990305.5/32

Out: 0.008+/-0.000 χ^2/NDF:844039.6/37

All: 0.008+/-0.000 χ^2/NDF: 1834353.2/70

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.740+/-0.000 χ^2/NDF:1515603537.6/18

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.691+/-0.000 χ^2/NDF:2556662458.8/16

Left: 1.717+/-0.000 χ^2/NDF: 4201258192.4/35

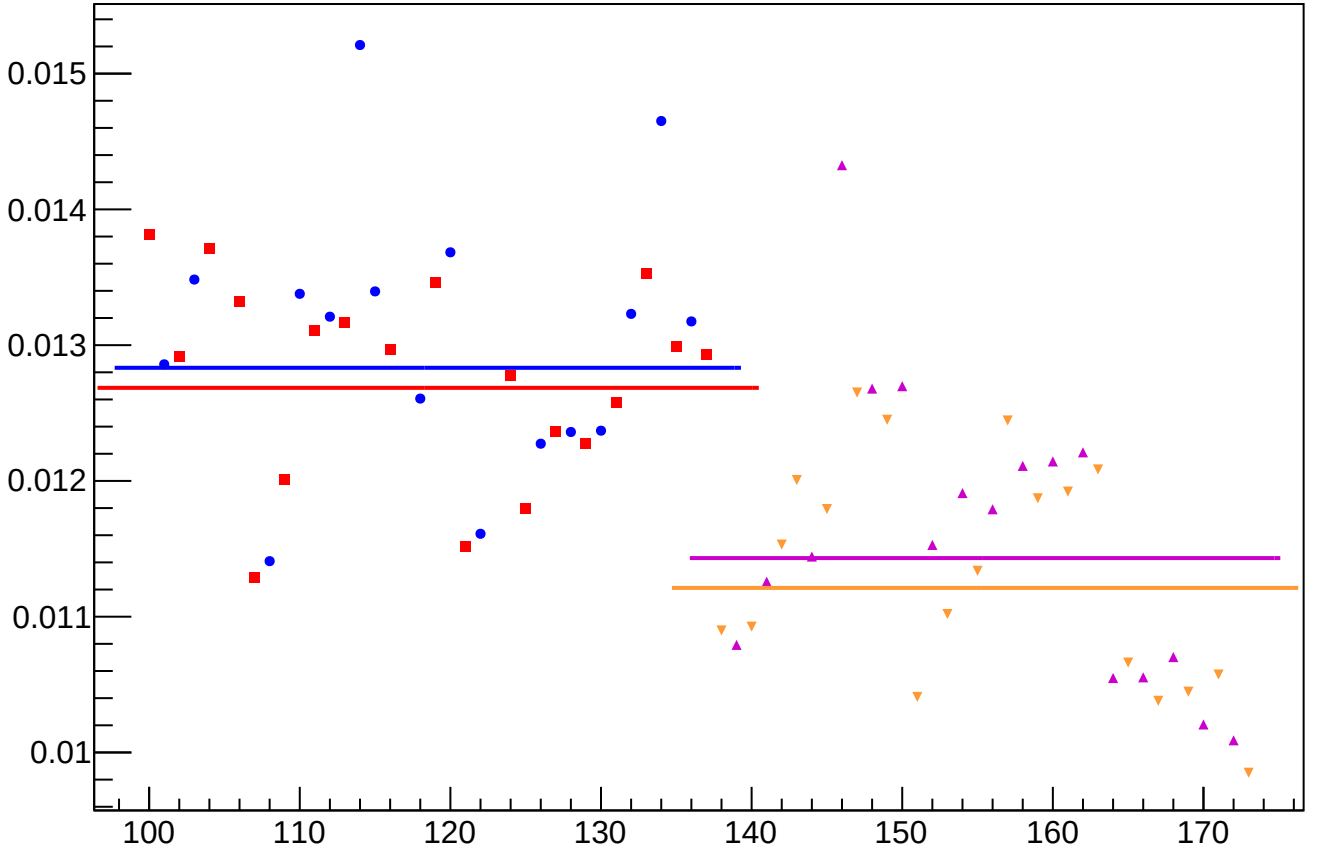
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.681+/-0.000 χ^2/NDF:9257269857.2/32

Out: 1.720+/-0.000 χ^2/NDF:8036808935.8/37

All: 1.701+/-0.000 χ^2/NDF: 17408661665.1/7

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:149088.7/18

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:197763.8/16

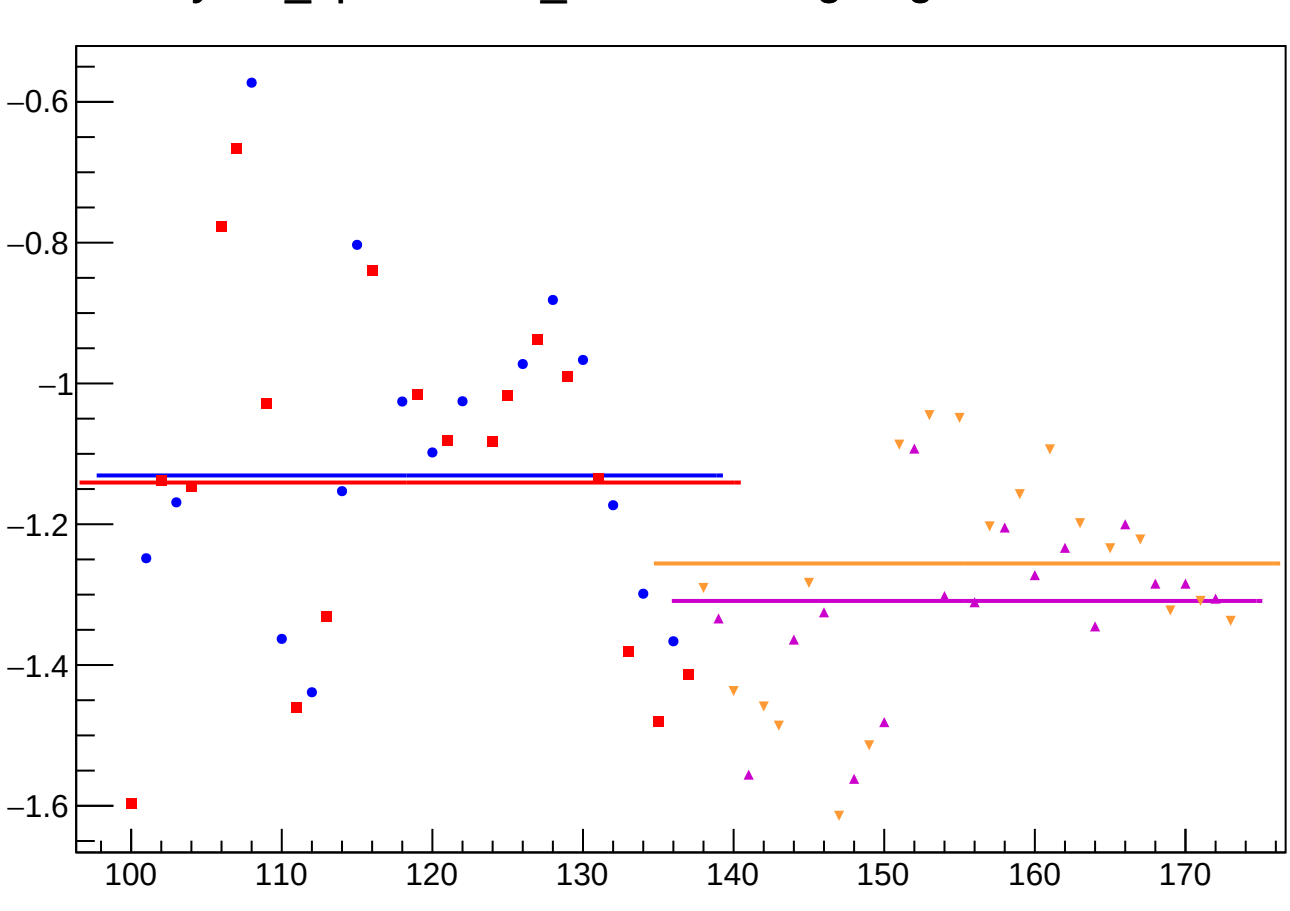
Left: 0.011+/-0.000 χ^2/NDF: 351992.5/35

Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

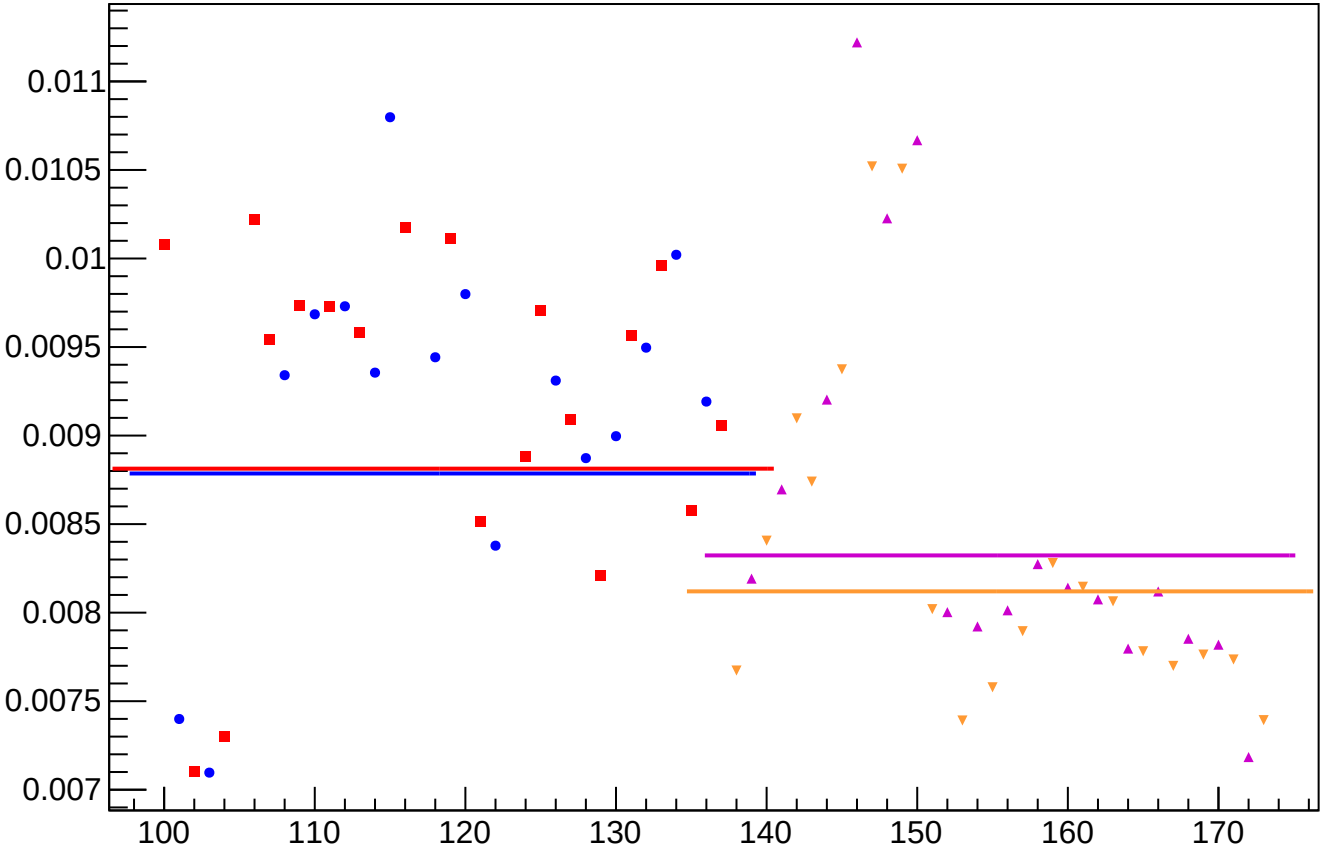
In: 0.012+/-0.000 χ^2/NDF:367879.9/32

Out: 0.012+/-0.000 χ^2/NDF:331829.4/37

All: 0.012+/-0.000 χ^2/NDF: 706887.3/70


yield_bpm0i02aY_mean vs Slug, Sign Corrected
−0.6
−0.8
−1
−1.2
−1.4
−1.6
100
110
120
130
140
150
160
170
Right In: -1.131+/-0.000 χ²/NDF: 3790121991.7/15
Left Out: -1.256+/-0.000 χ²/NDF:4608276297.7/18
Right Out: -1.141+/-0.000 χ²/NDF: 3544012262.4/18
Left In: -1.309+/-0.000 χ²/NDF:2283329147.3/16
Left: -1.281+/-0.000 χ²/NDF: 7172274835.9/35
Right: -1.136+/-0.000 χ²/NDF: 7338628665.5/34
In: -1.252+/-0.000 χ²/NDF:7986333447.9/32
Out: -1.221+/-0.000 χ²/NDF:8981518545.2/37
All: -1.236+/-0.000 χ²/NDF: 17098962417.7/

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:246930.3/18

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:305333.3/16

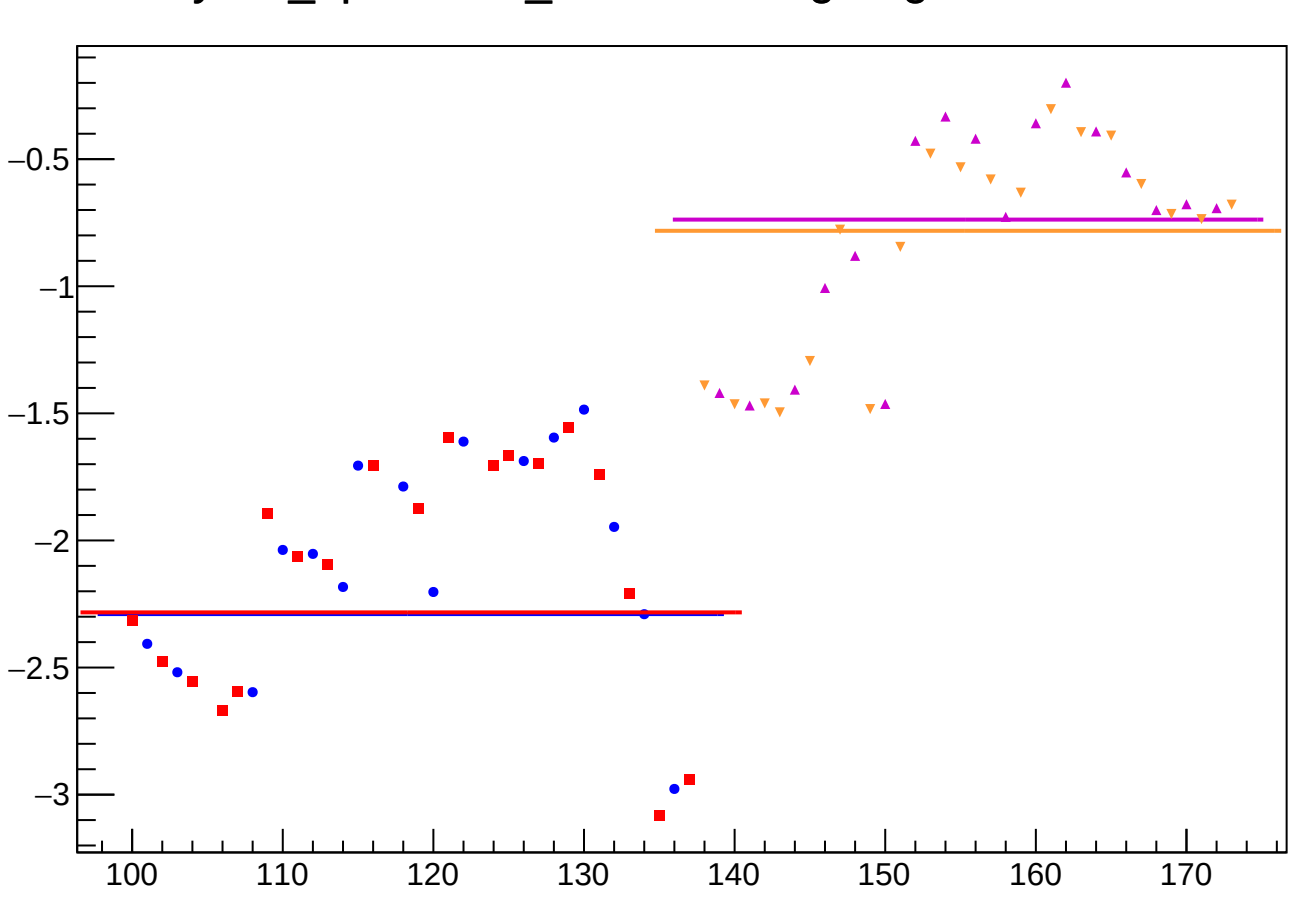
Left: 0.008+/-0.000 χ^2/NDF: 560433.3/35

Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

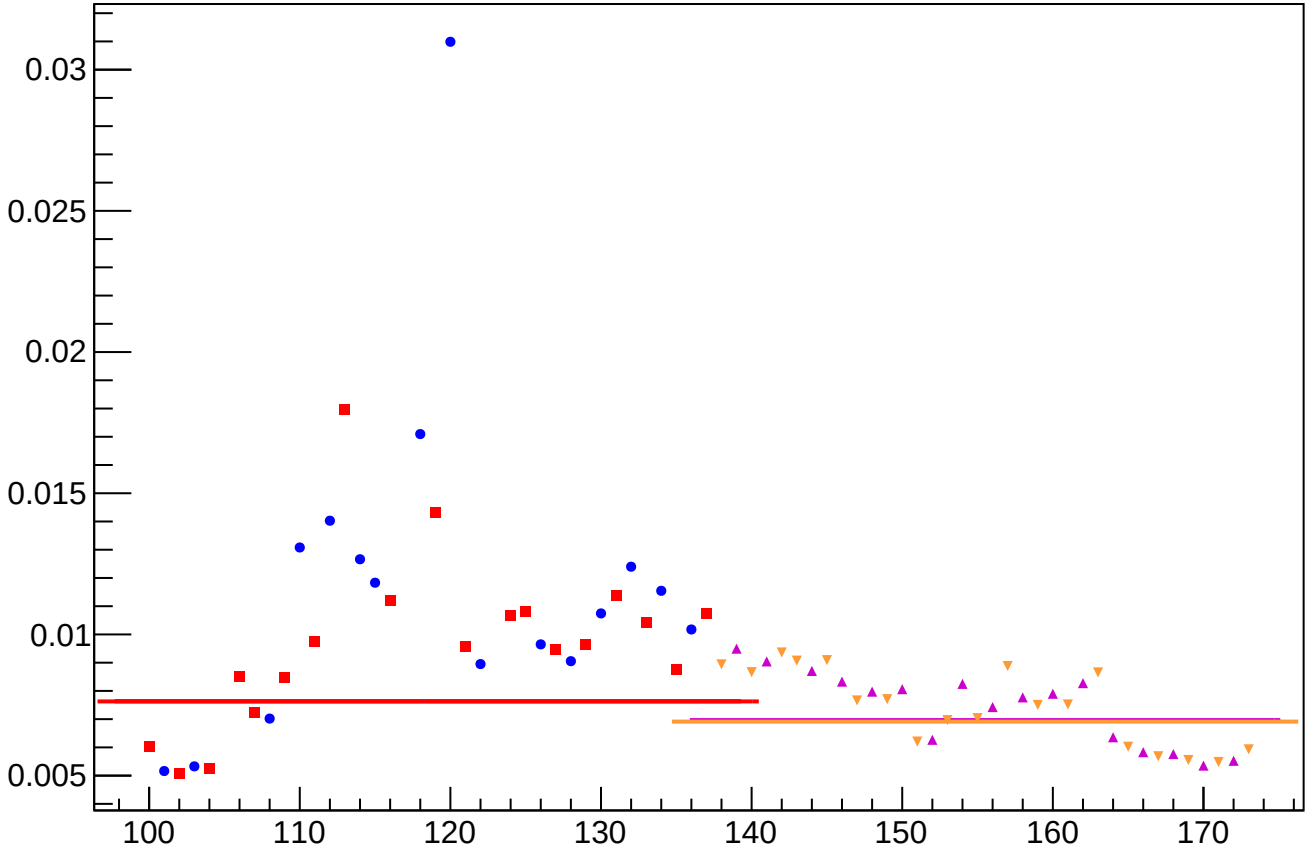
In: 0.008+/-0.000 χ^2/NDF:504590.8/32

Out: 0.008+/-0.000 χ^2/NDF:511603.4/37

All: 0.008+/-0.000 χ^2/NDF: 1022253.2/70


yield_bpm0i05X_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
−3
100
110
120
130
140
150
160
170
Right In: -2.290+/-0.000 χ²/NDF: 15222817978.4/15
Left Out: -0.782+/-0.000 χ²/NDF:32877372320.5/18
Right Out: -2.283+/-0.000 χ²/NDF: 17032219519.1/18
Left In: -0.738+/-0.000 χ²/NDF:32748760605.6/16
Left: -0.761+/-0.000 χ²/NDF: 65873857020.5/35
Right: -2.286+/-0.000 χ²/NDF: 32257076383.6/34
In: -1.145+/-0.000 χ²/NDF:202955041128.3/32
Out: -1.177+/-0.000 χ²/NDF:208050998401.6/37
All: -1.162+/-0.000 χ²/NDF: 411184594176.8

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1710797.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:867851.2/18

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.007+/-0.000 χ^2/NDF:849987.2/16

Left: 0.007+/-0.000 χ^2/NDF: 1718573.2/35

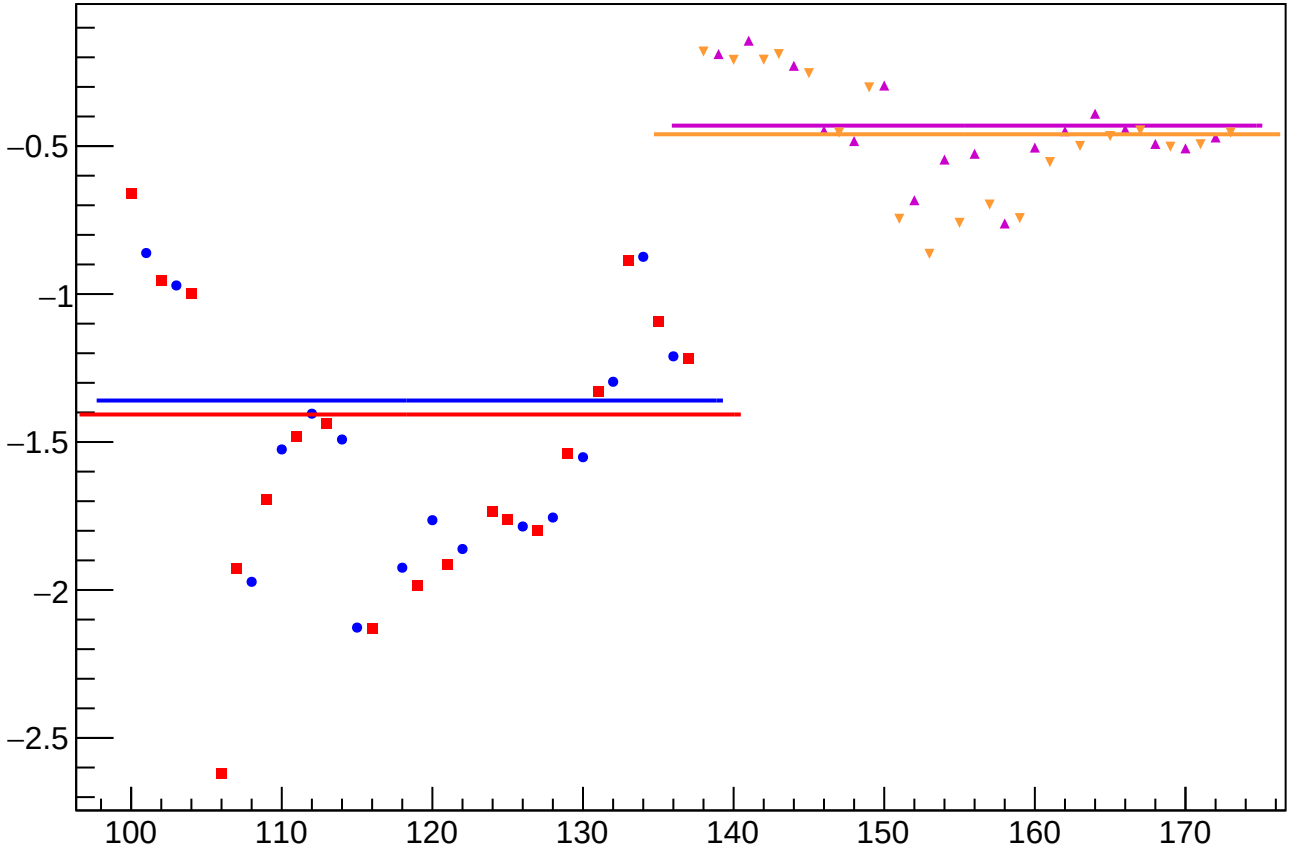
Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

In: 0.007+/-0.000 χ^2/NDF:2617833.4/32

Out: 0.007+/-0.000 χ^2/NDF:2257172.9/37

All: 0.007+/-0.000 χ^2/NDF: 4875568.7/70

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.460+/-0.000 χ^2/NDF:28039871994.8/18

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

Left In: -0.431+/-0.000 χ^2/NDF:16119856297.3/16

Left: -0.446+/-0.000 χ^2/NDF: 44433676245.3/35

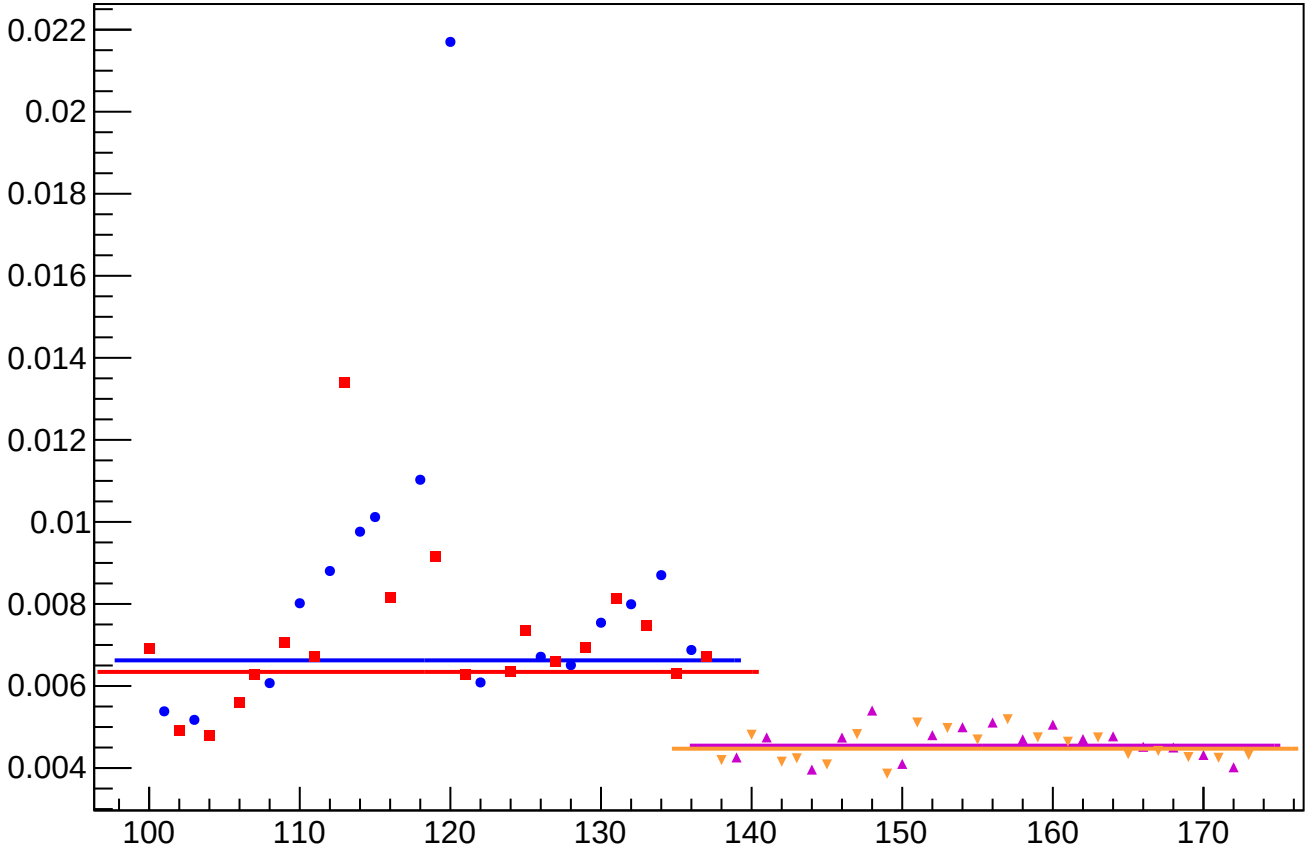
Right: -1.385+/-0.000 χ^2/NDF: 51484688313.9/34

In: -0.596+/-0.000 χ^2/NDF:131175743193.9/32

Out: -0.634+/-0.000 χ^2/NDF:169220362624.8/37

All: -0.616+/-0.000 χ^2/NDF: 300946303602.4

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:169663.4/18

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:186570.4/16

Left: 0.005+/-0.000 χ^2/NDF: 359768.0/35

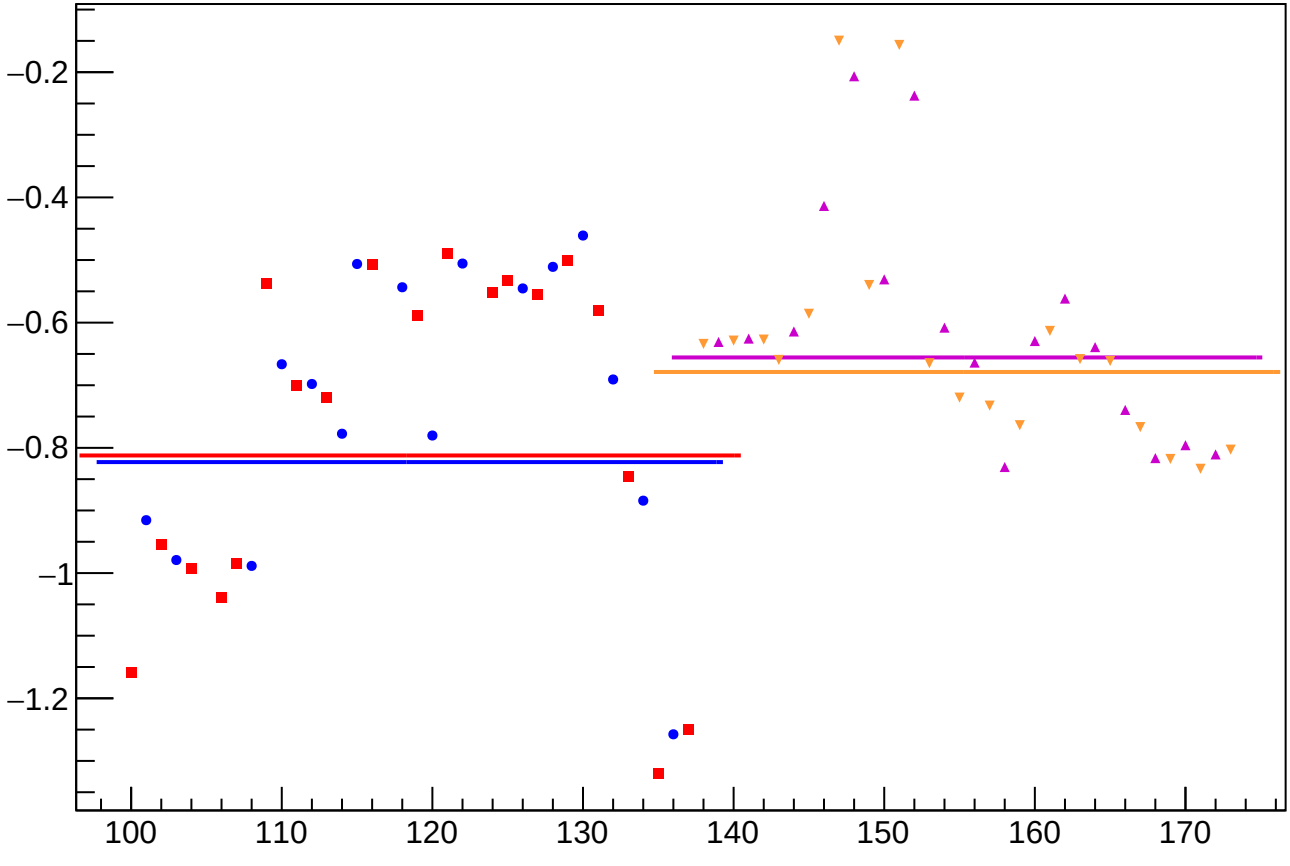
Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.005+/-0.000 χ^2/NDF:1817728.5/32

Out: 0.005+/-0.000 χ^2/NDF:1569197.9/37

All: 0.005+/-0.000 χ^2/NDF: 3394924.3/70

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.679+/-0.000 χ^2/NDF:21973232565.0/18

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

Left In: -0.656+/-0.000 χ^2/NDF:21718170425.4/16

Left: -0.668+/-0.000 χ^2/NDF: 43879014292.0/35

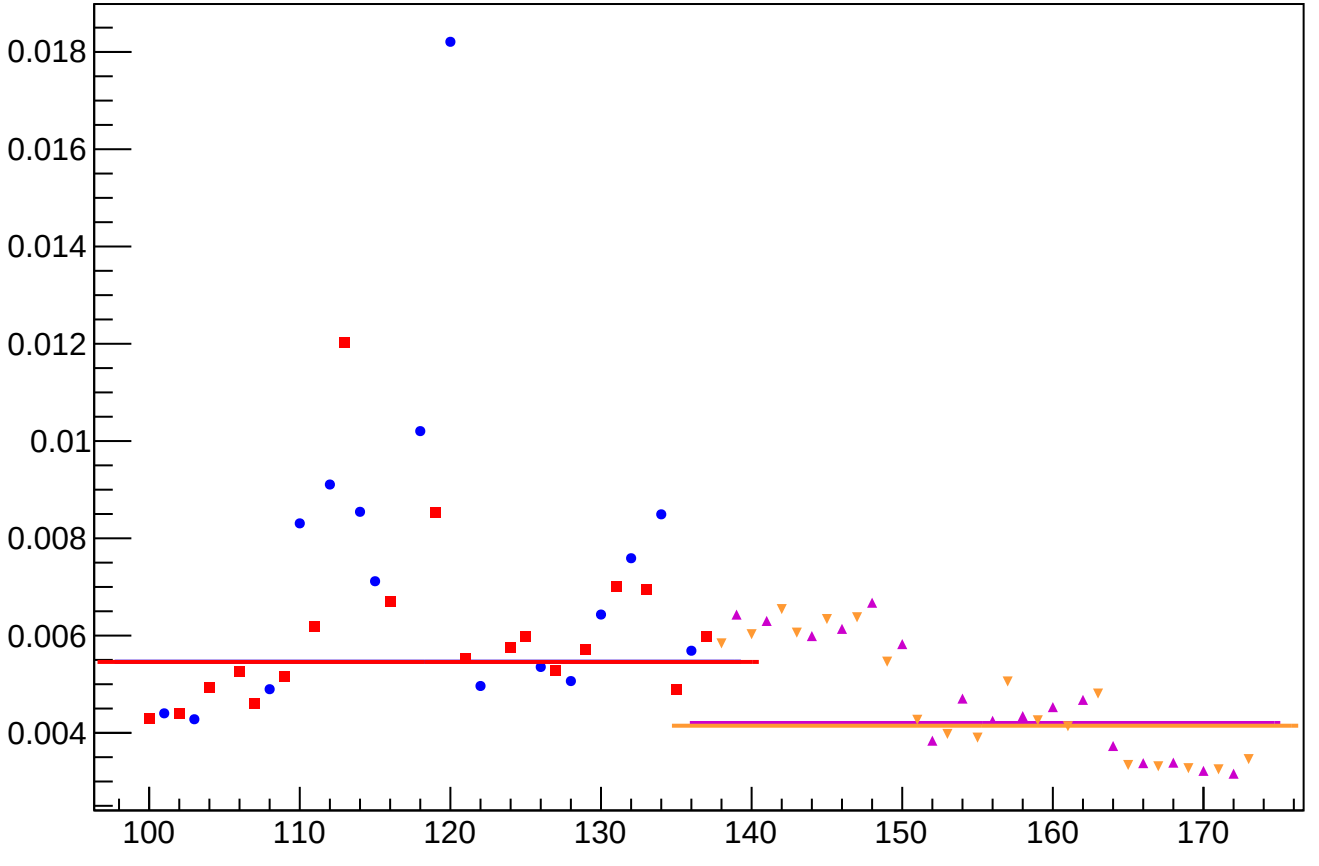
Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

In: -0.692+/-0.000 χ^2/NDF:37982706618.7/32

Out: -0.708+/-0.000 χ^2/NDF:39610965263.2/37

All: -0.700+/-0.000 χ^2/NDF: 77703503188.4/

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1472245.1/18

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1537712.9/16

Left: 0.004+/-0.000 χ^2/NDF: 3012148.2/35

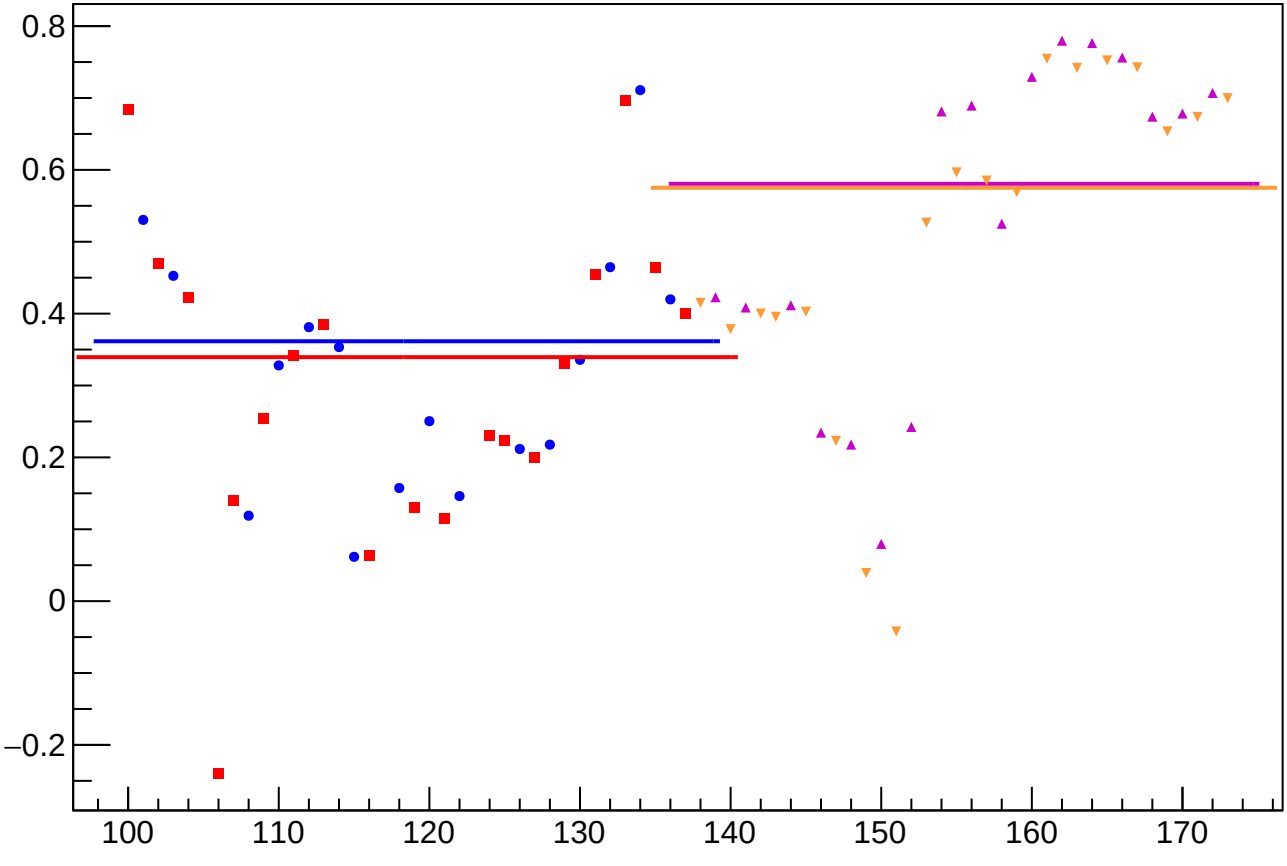
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.004+/-0.000 χ^2/NDF:2958401.1/32

Out: 0.004+/-0.000 χ^2/NDF:2523882.4/37

All: 0.004+/-0.000 χ^2/NDF: 5484205.9/70

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.575+/-0.000 χ^2/NDF:40407270119.5/18

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.581+/-0.000 χ^2/NDF:34838078329.7/16

Left: 0.578+/-0.000 χ^2/NDF: 75259274901.5/35

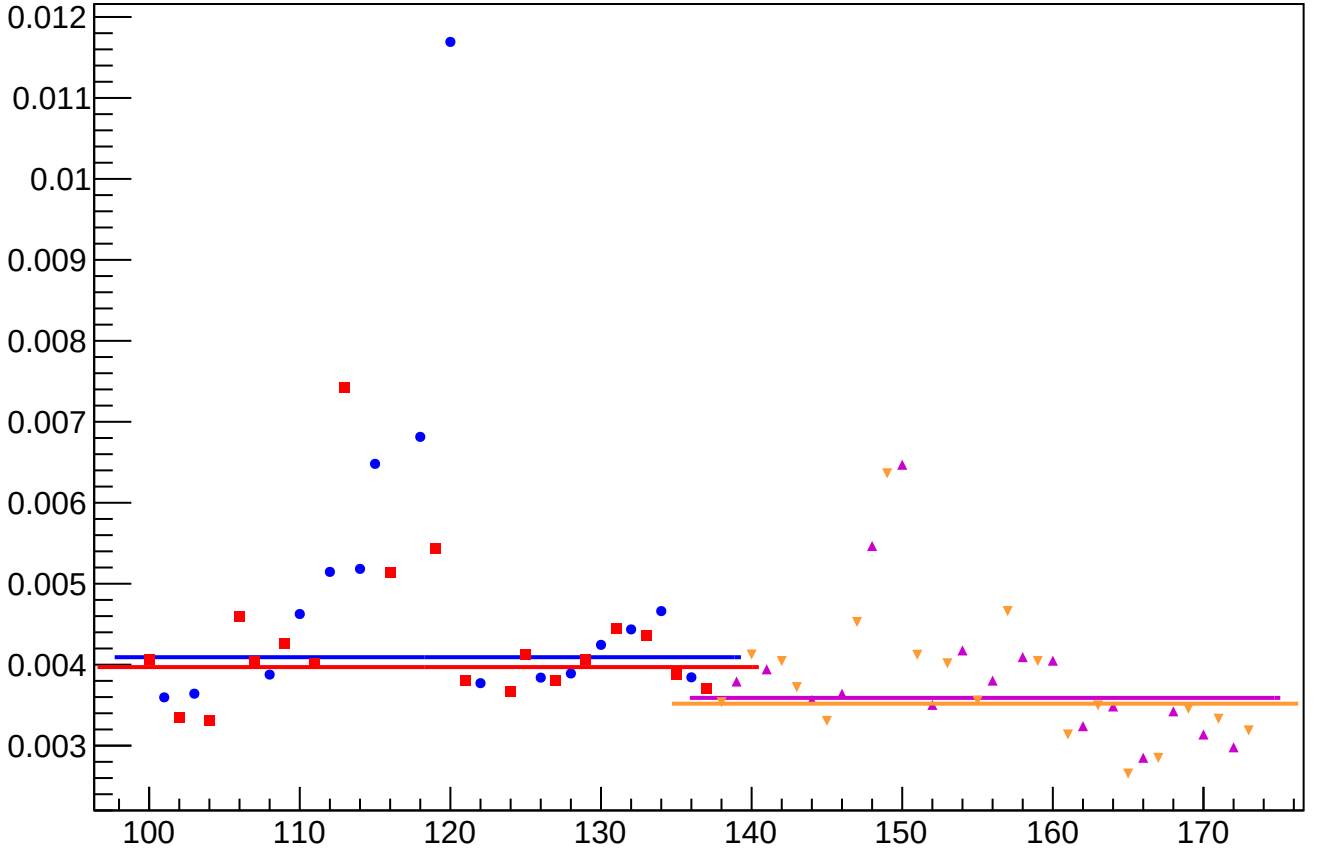
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.516+/-0.000 χ^2/NDF:55990463515.8/32

Out: 0.506+/-0.000 χ^2/NDF:68417227372.3/37

All: 0.511+/-0.000 χ^2/NDF: 124476078648.4

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:764661.2/18

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:704594.5/16

Left: 0.004+/-0.000 χ^2/NDF: 1473964.1/35

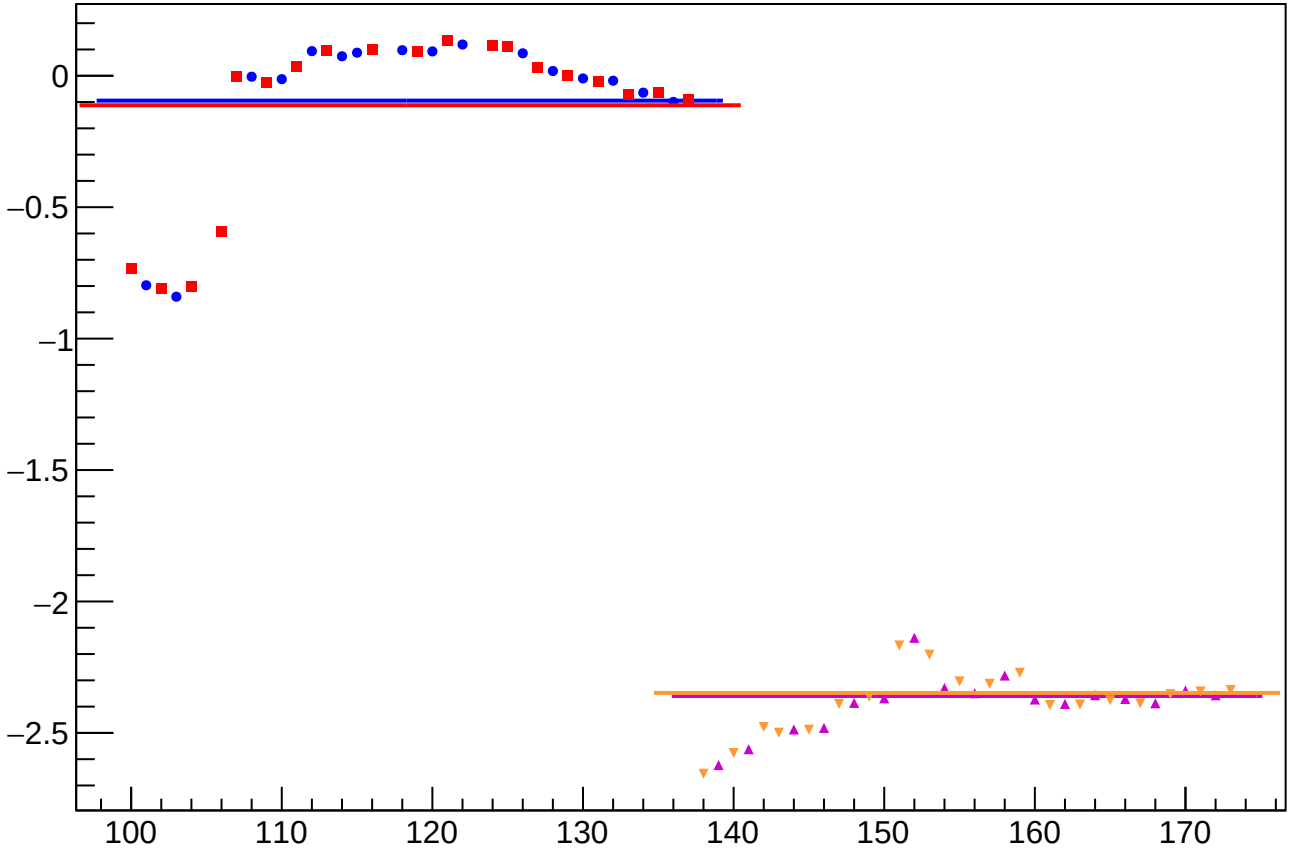
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:1326738.9/32

Out: 0.004+/-0.000 χ^2/NDF:1195666.4/37

All: 0.004+/-0.000 χ^2/NDF: 2532229.7/70

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.348+/-0.000 χ^2/NDF:1674030822.0/18

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.360+/-0.000 χ^2/NDF:1297157101.3/16

Left: -2.353+/-0.000 χ^2/NDF: 2981481473.1/35

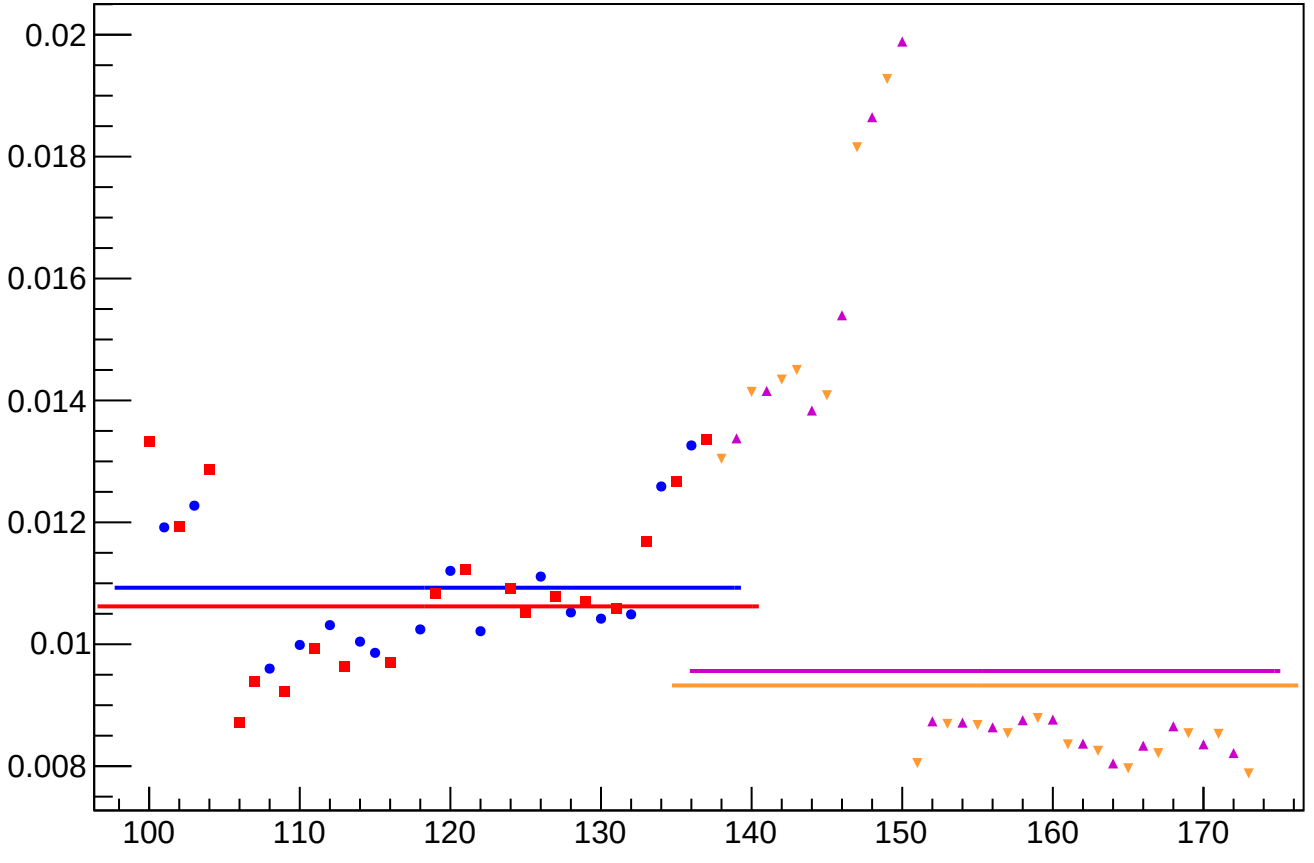
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -1.690+/-0.000 χ^2/NDF:222260318329.7/32

Out: -1.700+/-0.000 χ^2/NDF:239831493306.2/37

All: -1.695+/-0.000 χ^2/NDF: 462103783494.2

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:1920324.5/18

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.010+/-0.000 χ^2/NDF:1901803.6/16

Left: 0.009+/-0.000 χ^2/NDF: 3830618.6/35

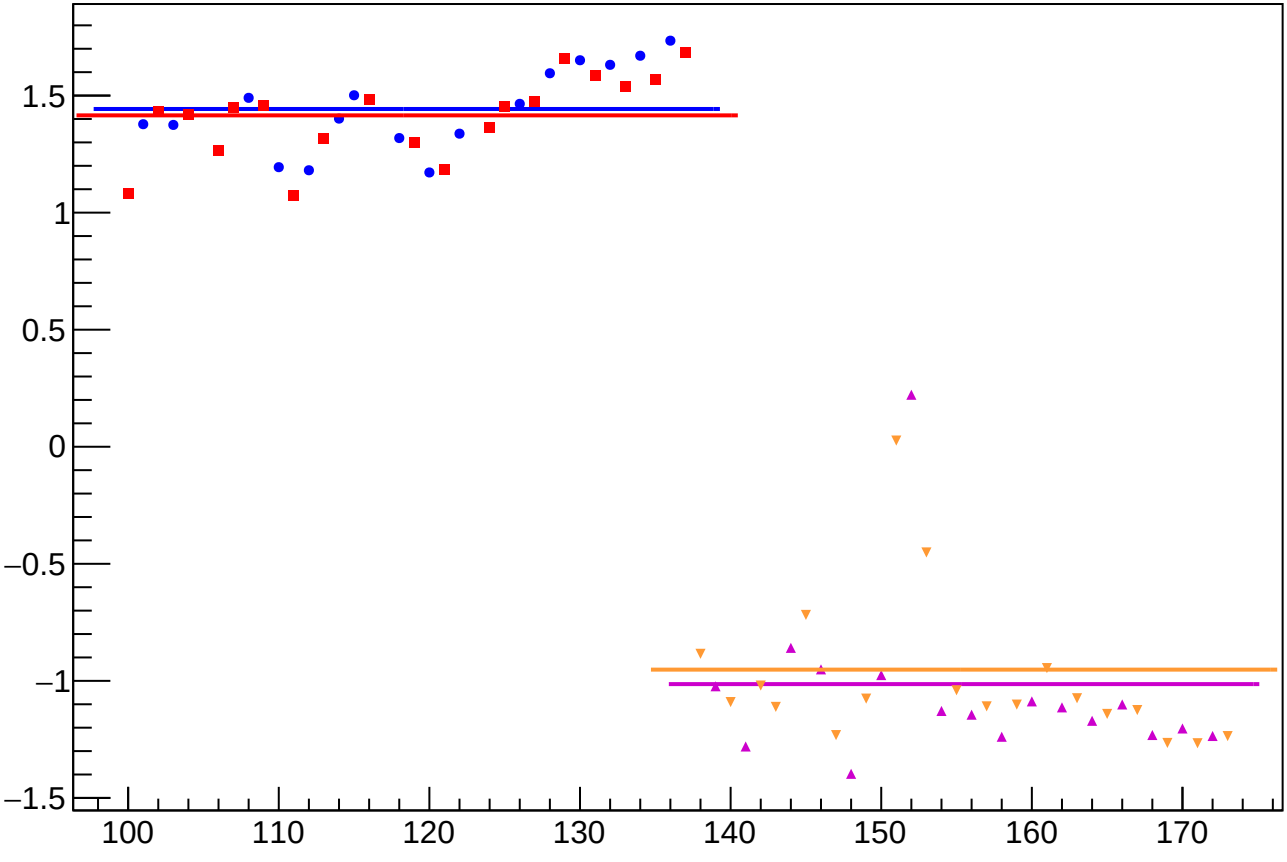
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.010+/-0.000 χ^2/NDF:2195025.5/32

Out: 0.010+/-0.000 χ^2/NDF:2267081.4/37

All: 0.010+/-0.000 χ^2/NDF: 4477136.7/70

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.952+/-0.000 χ^2/NDF:35916574562.9/18

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -1.014+/-0.000 χ^2/NDF:42737315792.7/16

Left: -0.982+/-0.000 χ^2/NDF: 79141509376.2/35

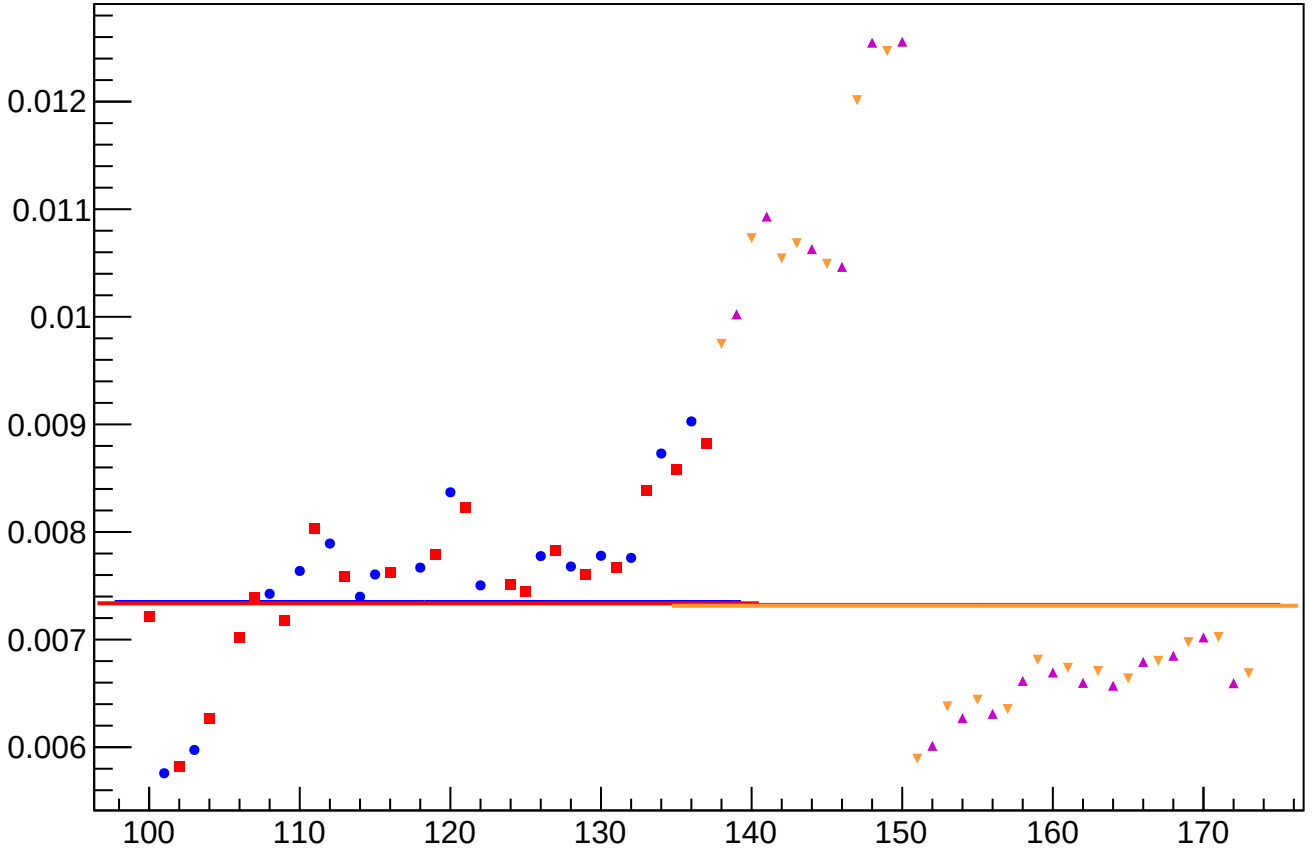
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: -0.161+/-0.000 χ^2/NDF:561887867441.5/32

Out: -0.145+/-0.000 χ^2/NDF:544585672194.3/37

All: -0.153+/-0.000 χ^2/NDF: 1106523207056

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1471652.9/18

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1529969.2/16

Left: 0.007+/-0.000 χ^2/NDF: 3001636.6/35

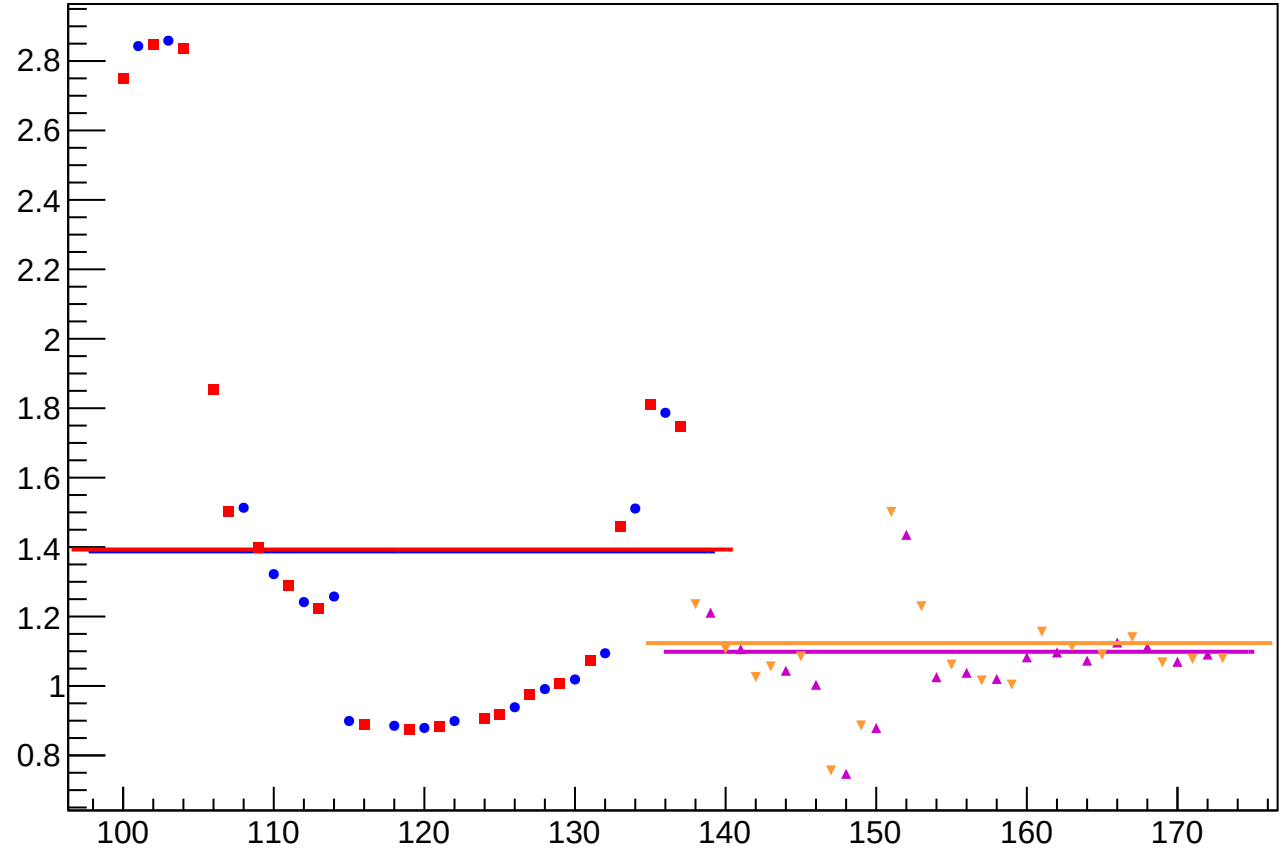
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.007+/-0.000 χ^2/NDF:1800959.9/32

Out: 0.007+/-0.000 χ^2/NDF:1667120.2/37

All: 0.007+/-0.000 χ^2/NDF: 3468112.8/70

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.123+/-0.000 χ^2/NDF:5484953710.8/18

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.098+/-0.000 χ^2/NDF:4179841330.3/16

Left: 1.112+/-0.000 χ^2/NDF: 9746237509.5/35

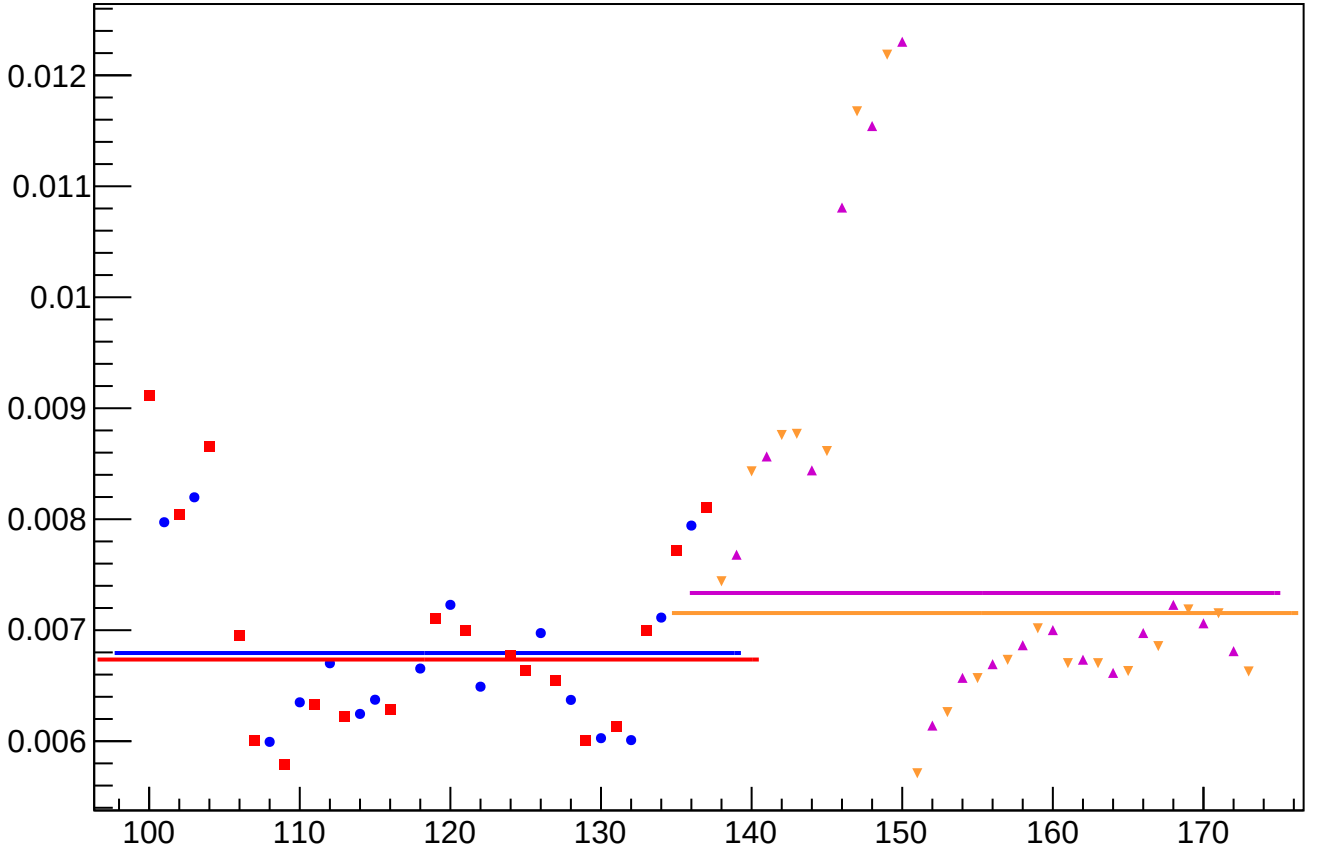
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.210+/-0.000 χ^2/NDF:70708896766.7/32

Out: 1.223+/-0.000 χ^2/NDF:68277781676.9/37

All: 1.217+/-0.000 χ^2/NDF: 139024675682.5

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:835387.3/18

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.007+/-0.000 χ^2/NDF:870172.1/16

Left: 0.007+/-0.000 χ^2/NDF: 1714072.2/35

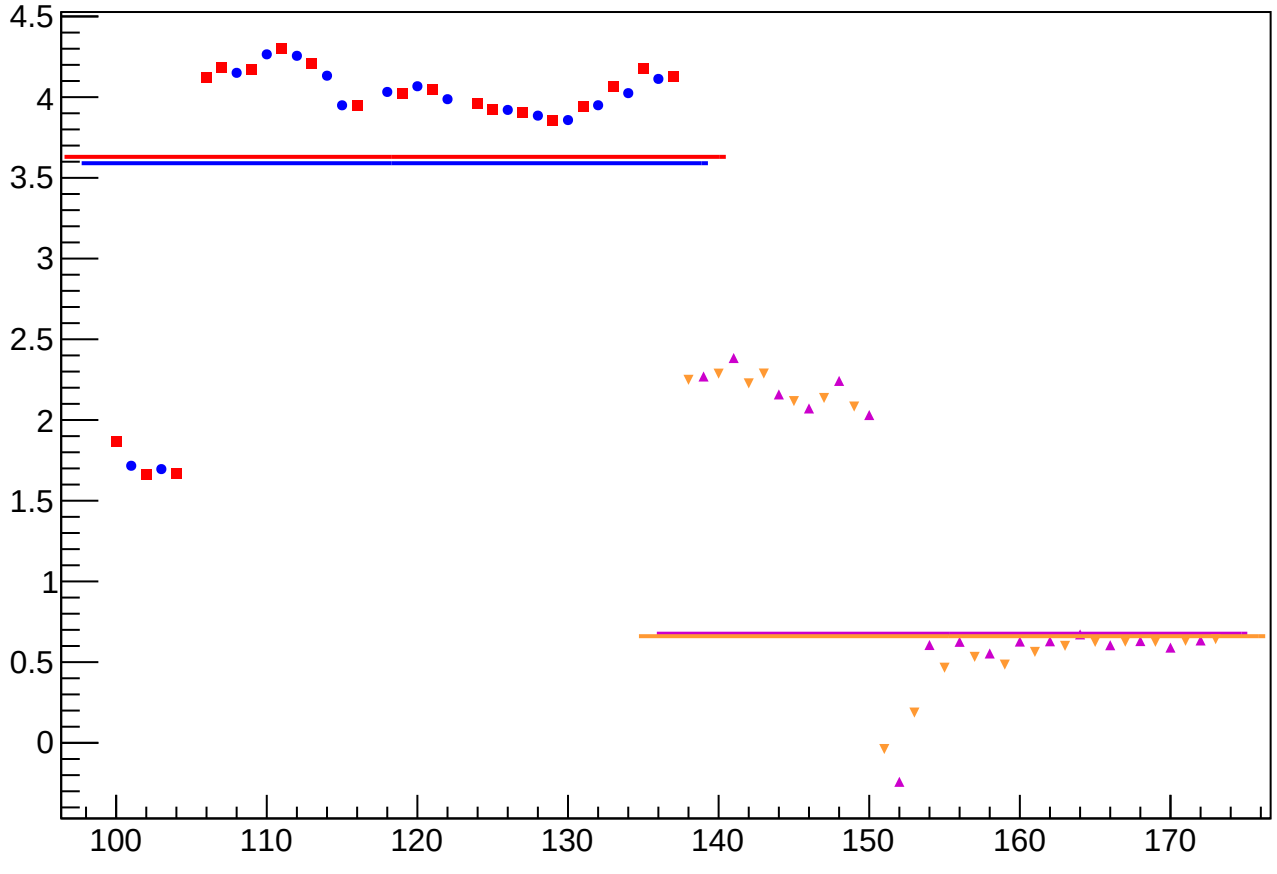
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1090050.2/32

Out: 0.007+/-0.000 χ^2/NDF:1069752.9/37

All: 0.007+/-0.000 χ^2/NDF: 2166618.7/70

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.661+/-0.000 χ^2/NDF:244355729745.7/18

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 0.676+/-0.000 χ^2/NDF:243112341586.1/16

Left: 0.668+/-0.000 χ^2/NDF: 487560627095.0/35

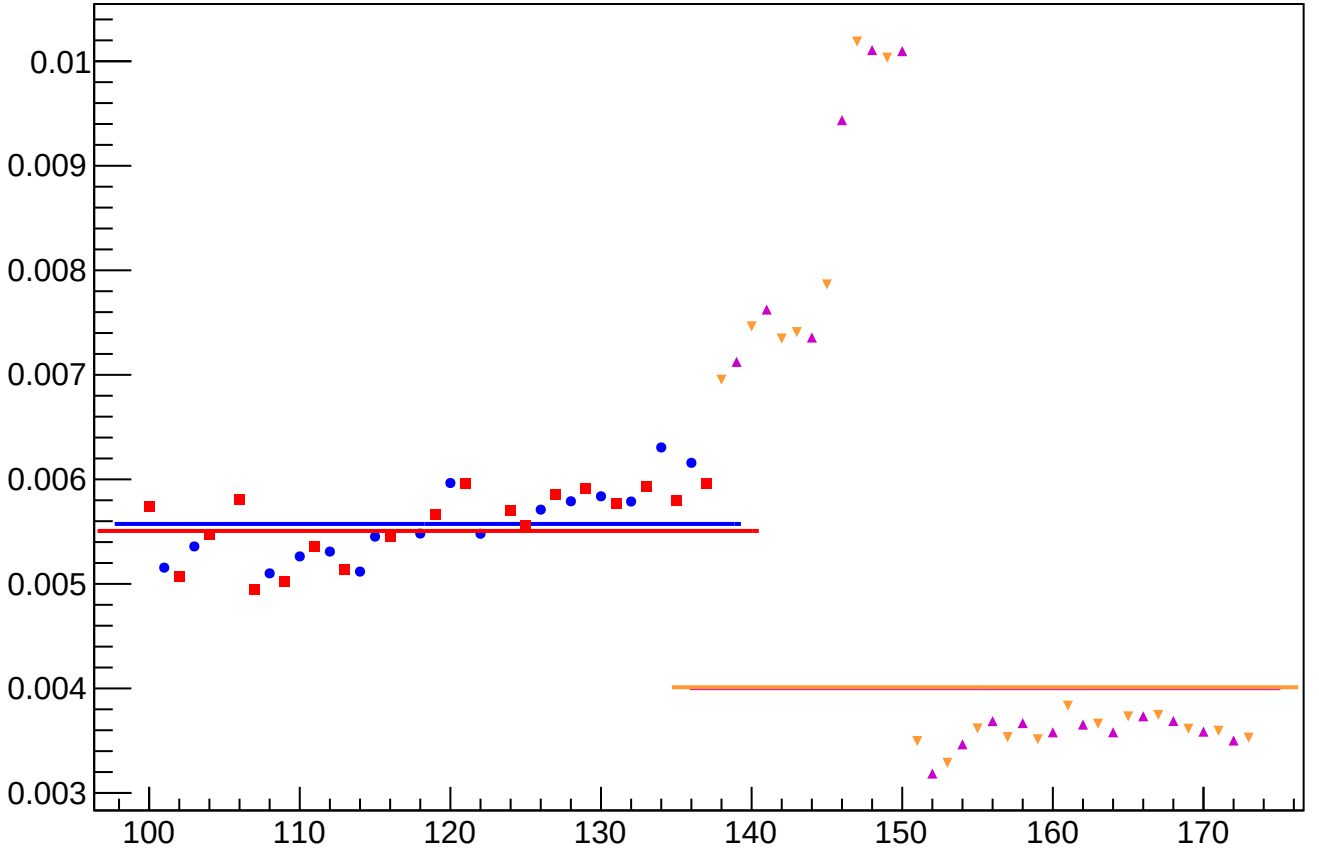
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 1.362+/-0.000 χ^2/NDF:1944026491129.9/32

Out: 1.345+/-0.000 χ^2/NDF:2090759945853.3/37

All: 1.353+/-0.000 χ^2/NDF: 4034926806066.

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:2871023.9/18

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.004+/-0.000 χ^2/NDF:3049575.9/16

Left: 0.004+/-0.000 χ^2/NDF: 5920655.8/35

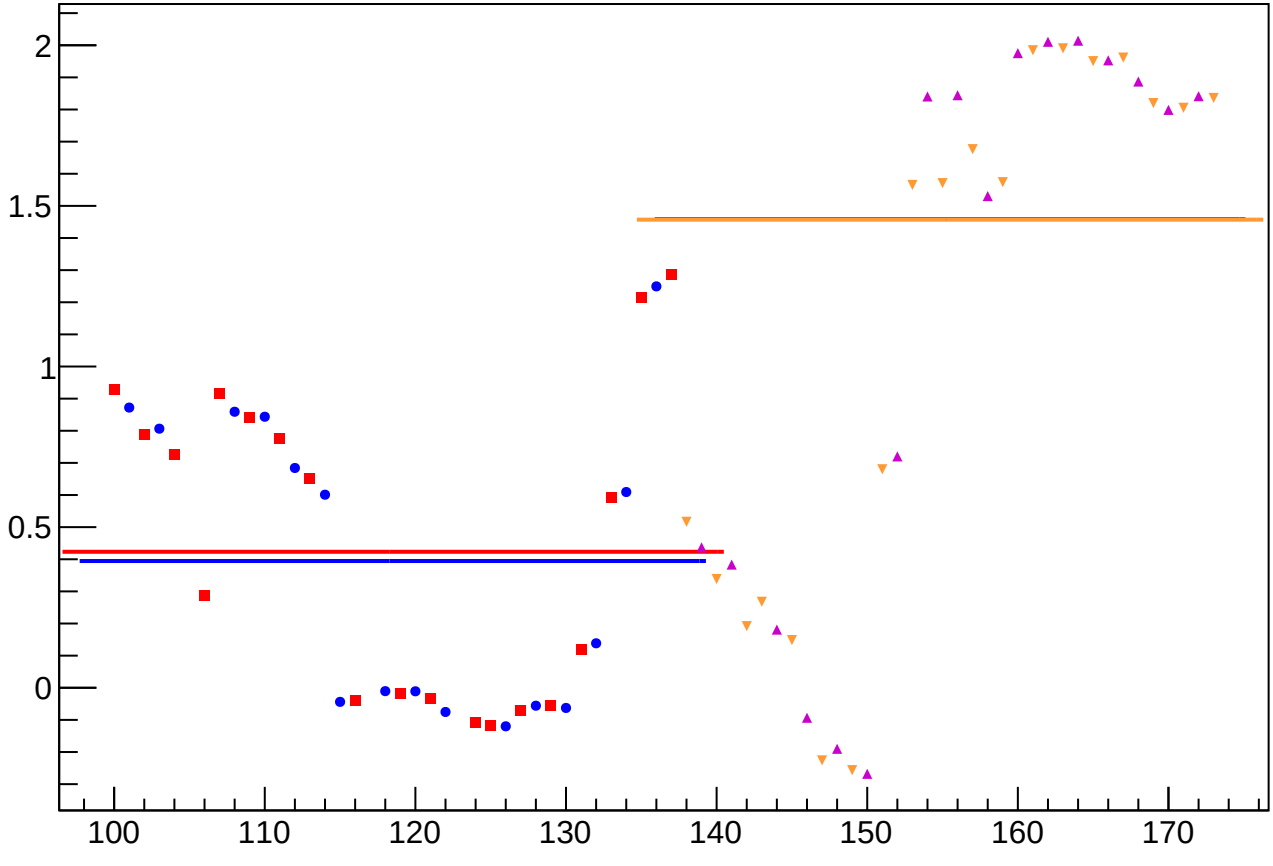
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.004+/-0.000 χ^2/NDF:3979570.7/32

Out: 0.004+/-0.000 χ^2/NDF:3757371.9/37

All: 0.004+/-0.000 χ^2/NDF: 7737213.3/70

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.457+/-0.000 χ^2/NDF:53617314682.2/18

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 1.459+/-0.000 χ^2/NDF:57795483390.4/16

Left: 1.458+/-0.000 χ^2/NDF: 111413023572.7/35

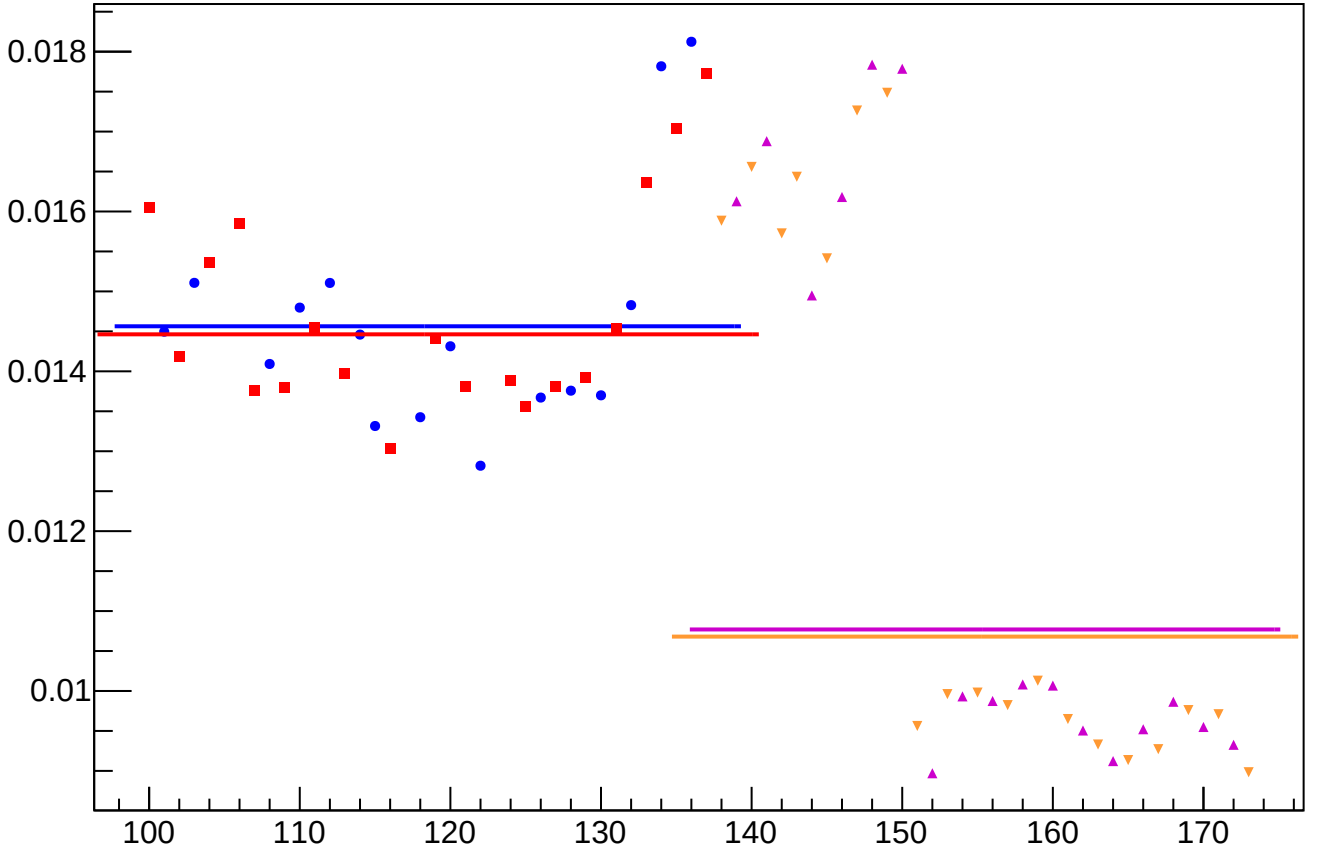
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 1.216+/-0.000 χ^2/NDF:94452718379.7/32

Out: 1.229+/-0.000 χ^2/NDF:89520571208.5/37

All: 1.223+/-0.000 χ^2/NDF: 183986332781.4

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:1562623.6/18

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.011+/-0.000 χ^2/NDF:1560654.4/16

Left: 0.011+/-0.000 χ^2/NDF: 3124218.4/35

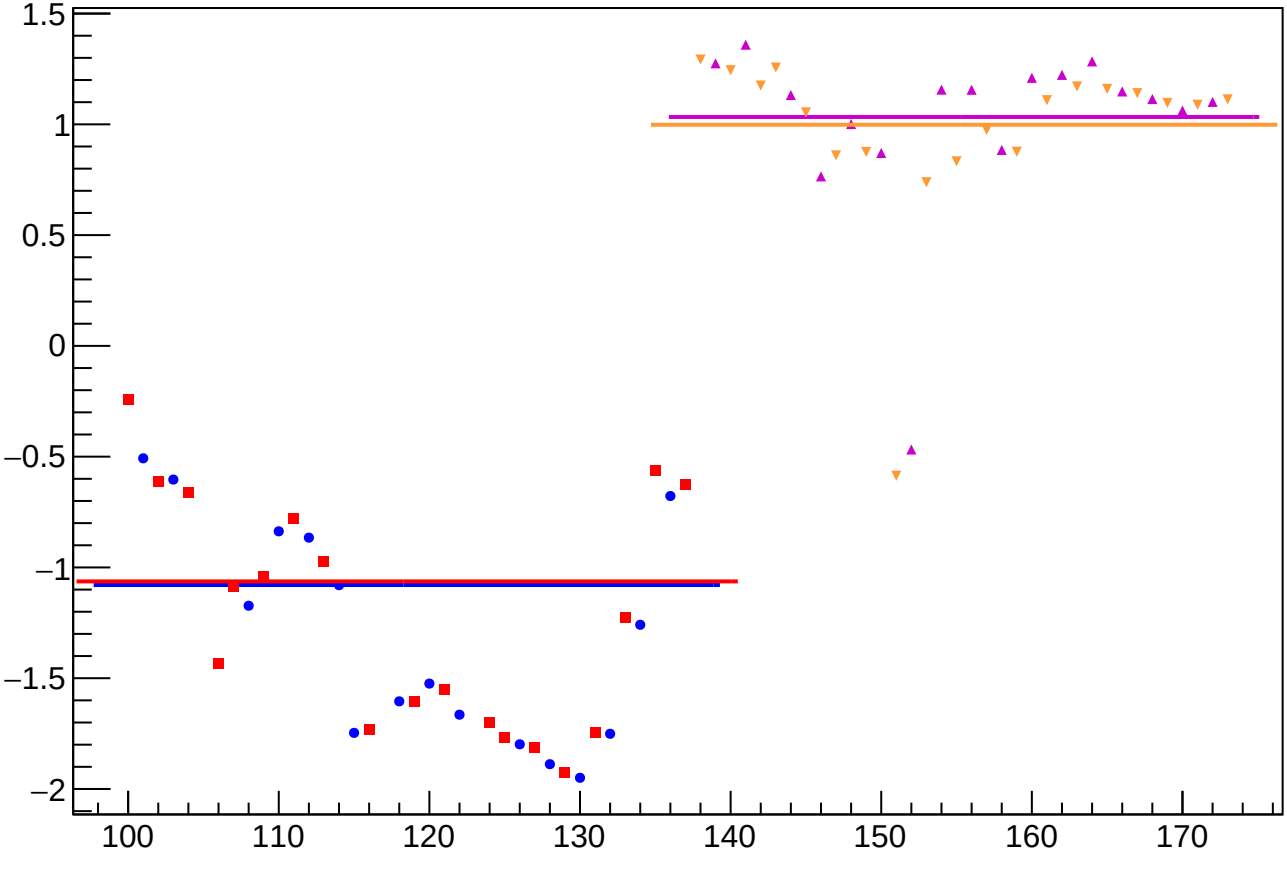
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.012+/-0.000 χ^2/NDF:2436626.6/32

Out: 0.012+/-0.000 χ^2/NDF:2416395.0/37

All: 0.012+/-0.000 χ^2/NDF: 4855259.5/70

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.998+/-0.000 χ^2/NDF:110402551320.4/18

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 1.033+/-0.000 χ^2/NDF:125161736803.7/16

Left: 1.015+/-0.000 χ^2/NDF: 236185666852.3/35

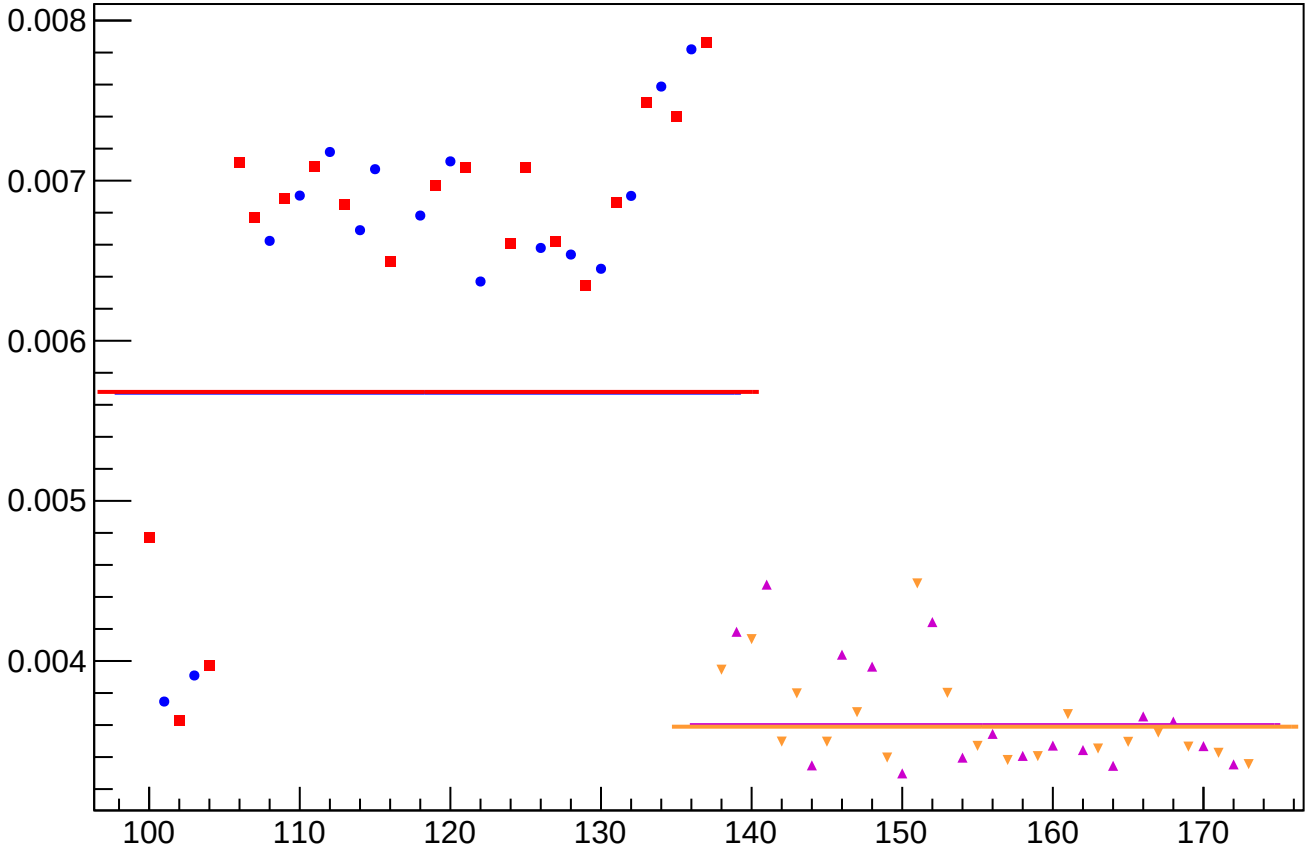
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.676+/-0.000 χ^2/NDF:917905120082.8/32

Out: 0.670+/-0.000 χ^2/NDF:874099983763.5/37

All: 0.673+/-0.000 χ^2/NDF: 1792029632870.

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:138437.7/18

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:214911.7/16

Left: 0.004+/-0.000 χ^2/NDF: 353446.4/35

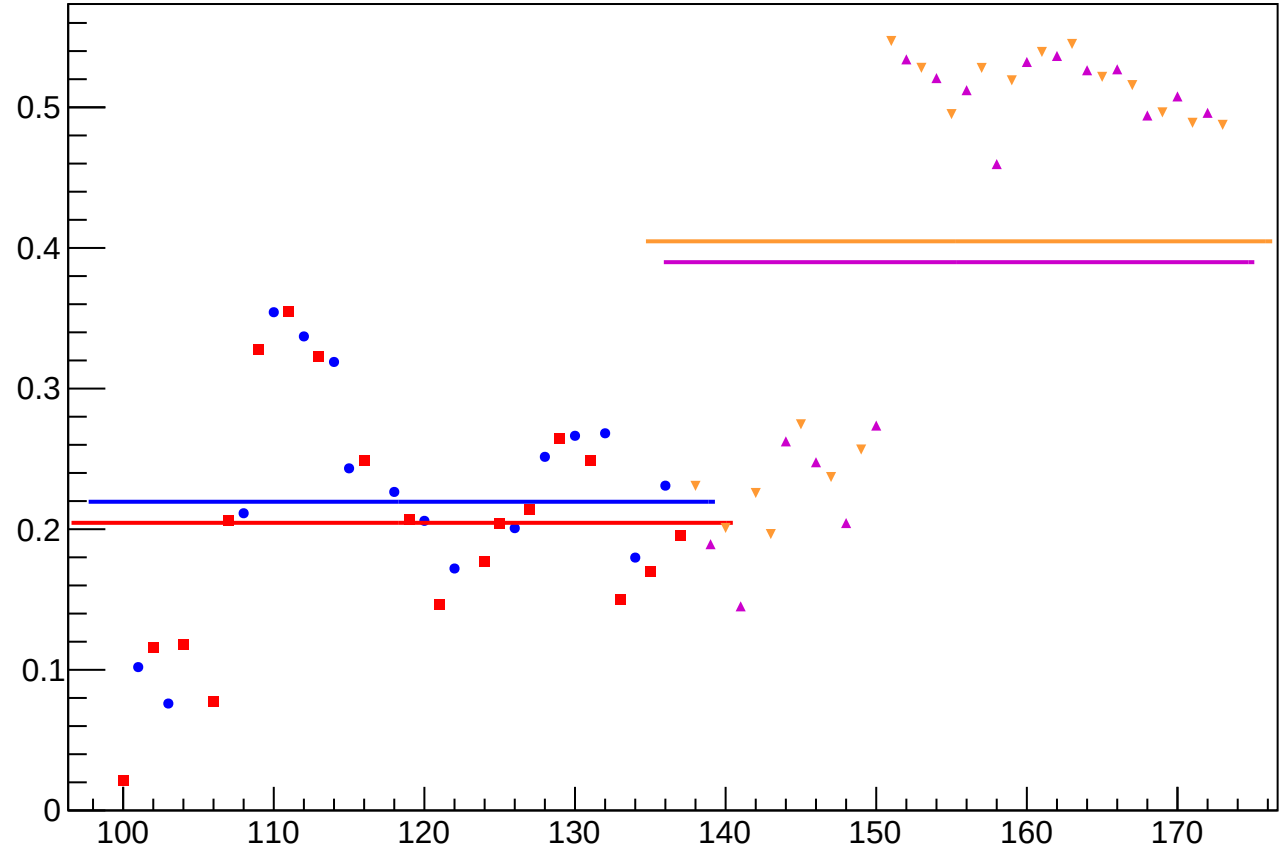
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2576074.9/32

Out: 0.004+/-0.000 χ^2/NDF:2587947.4/37

All: 0.004+/-0.000 χ^2/NDF: 5164948.4/70

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.405+/-0.000 χ^2/NDF:135731632177.4/18

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.390+/-0.000 χ^2/NDF:130280130667.6/16

Left: 0.398+/-0.000 χ^2/NDF: 266704982874.7/35

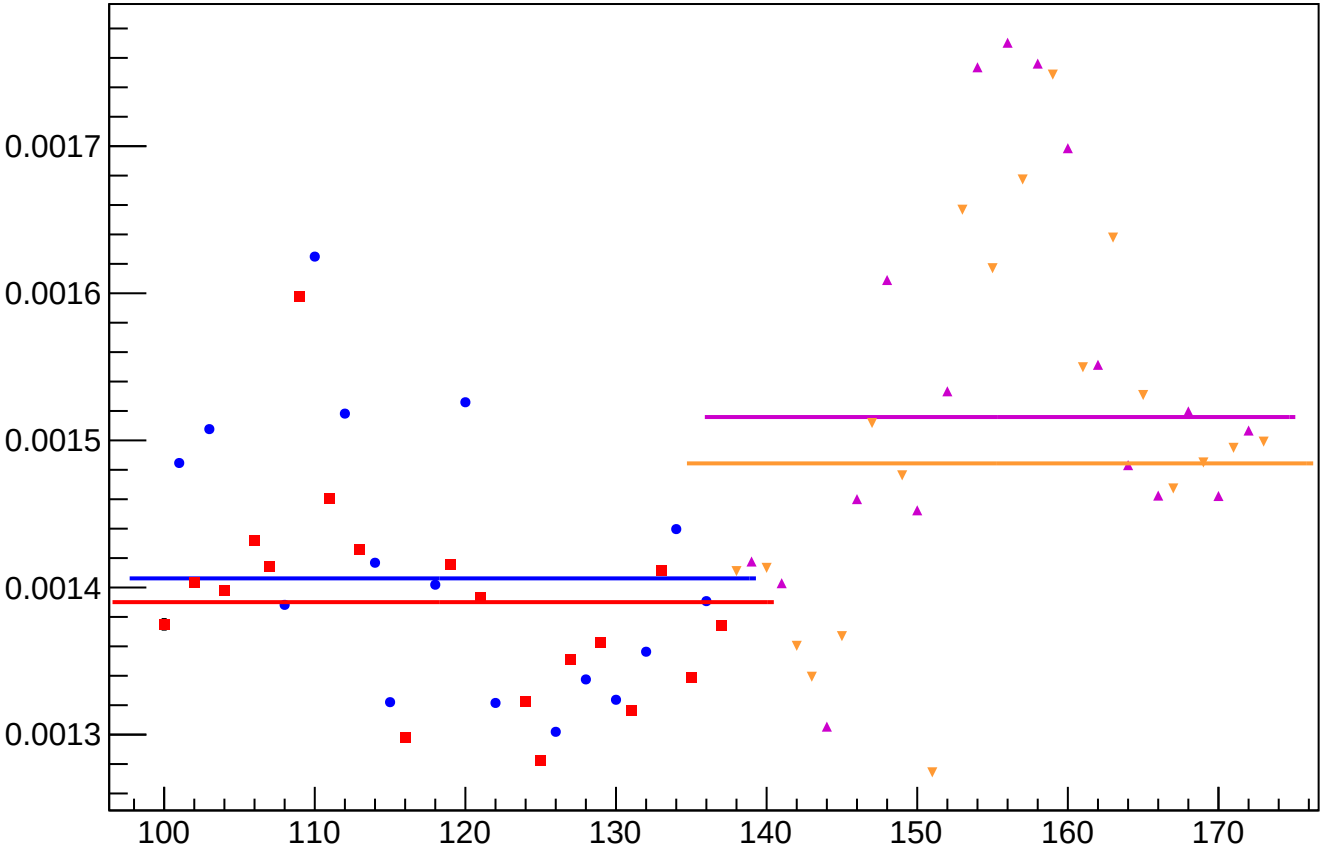
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.327+/-0.000 χ^2/NDF:211101012613.1/32

Out: 0.332+/-0.000 χ^2/NDF:255113435950.8/37

All: 0.330+/-0.000 χ^2/NDF: 466370588170.8

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:201059.9/18

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:198821.1/16

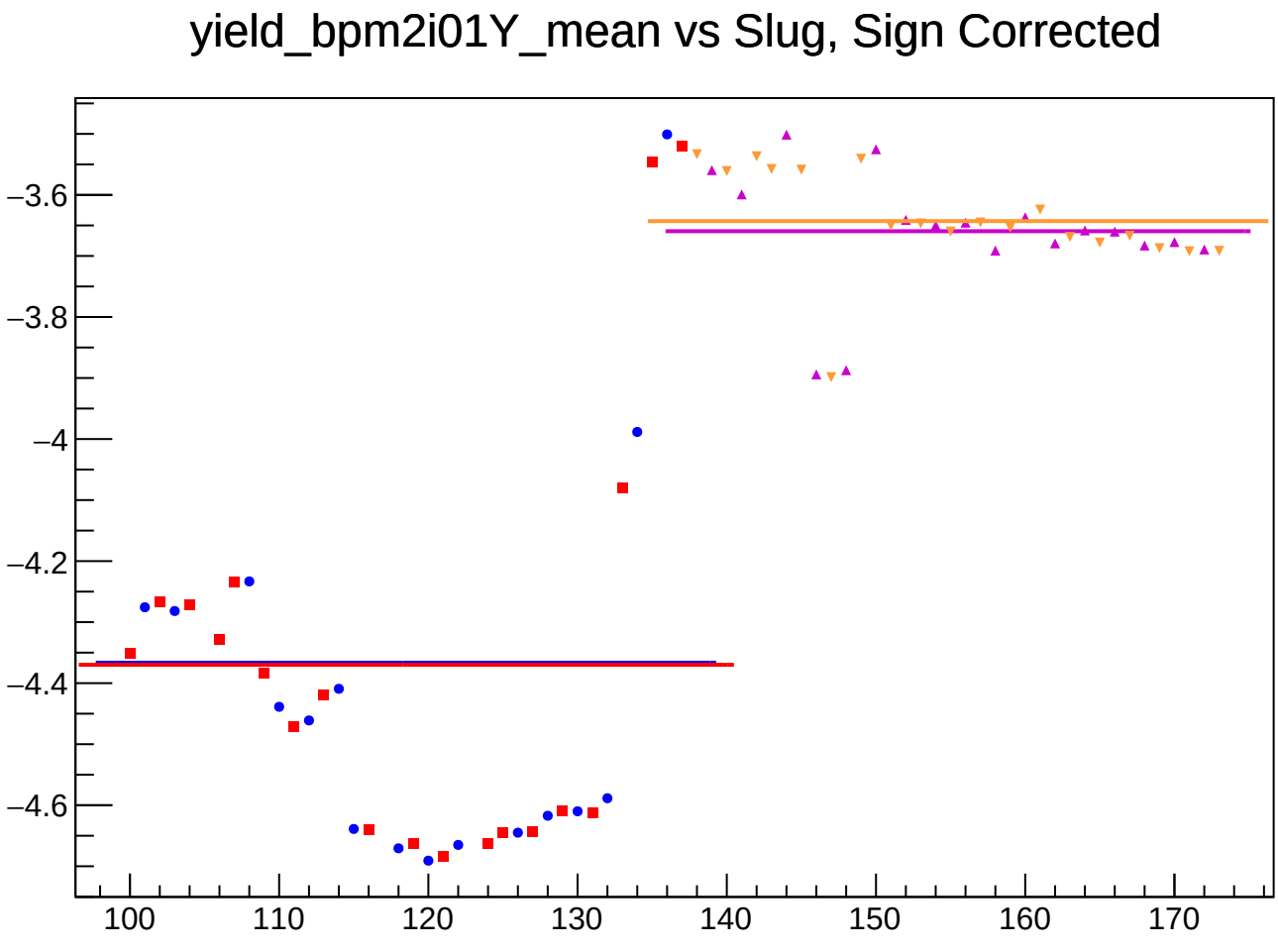
Left: 0.001+/-0.000 χ^2/NDF: 406141.5/35

Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:300144.0/32

Out: 0.001+/-0.000 χ^2/NDF:278939.6/37

All: 0.001+/-0.000 χ^2/NDF: 585281.1/70



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.643+/-0.000 χ^2/NDF:24978057517.3/18

Right Out: -4.370+/-0.000 χ^2/NDF: 296136368274.3/18

Left In: -3.659+/-0.000 χ^2/NDF:34049082608.1/16

Left: -3.651+/-0.000 χ^2/NDF: 59667817784.2/35

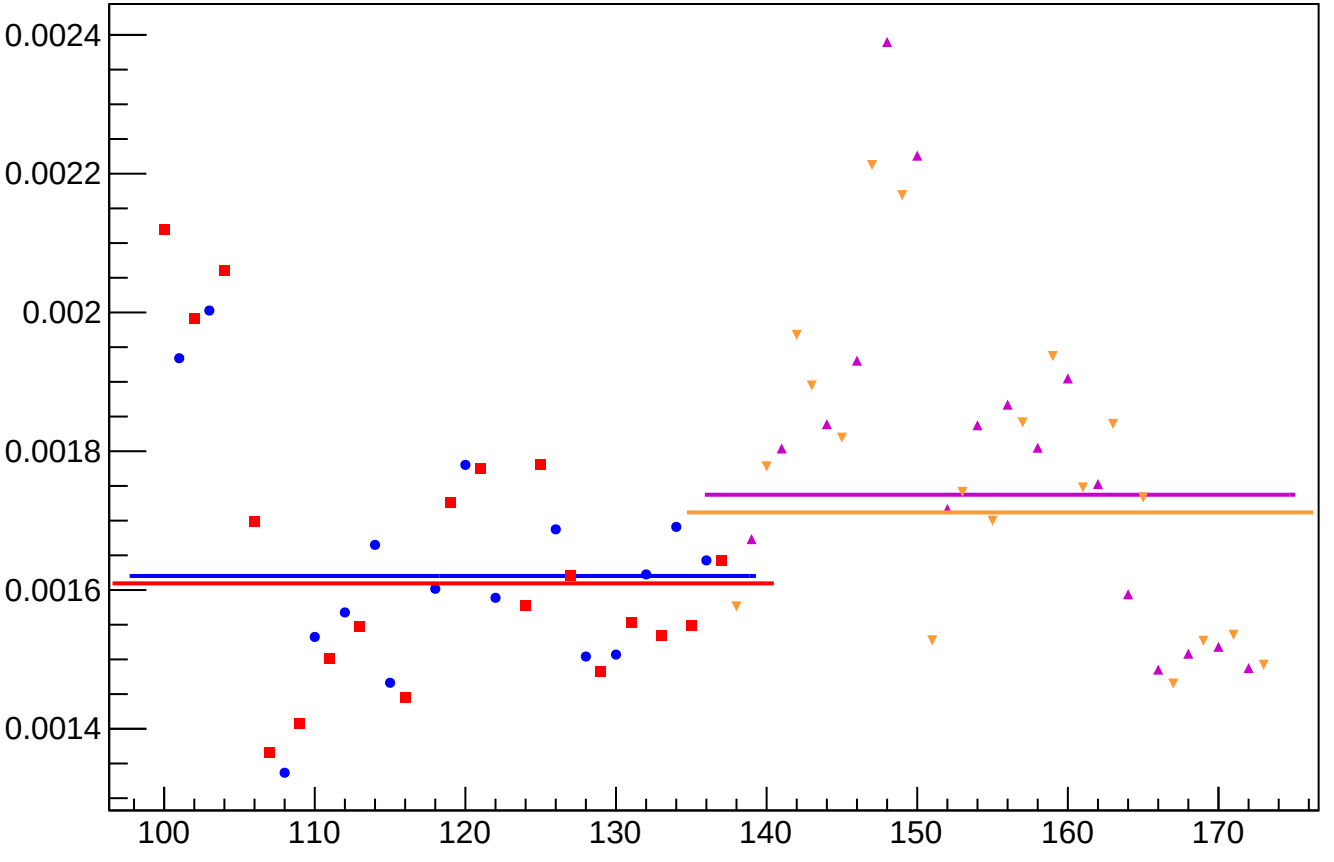
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -3.922+/-0.000 χ^2/NDF:1210516750176.8/32

Out: -3.904+/-0.000 χ^2/NDF:1251560253590.6/37

All: -3.913+/-0.000 χ^2/NDF: 2463206663613

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:387231.4/18

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:419470.1/16

Left: 0.002+/-0.000 χ^2/NDF: 809738.8/35

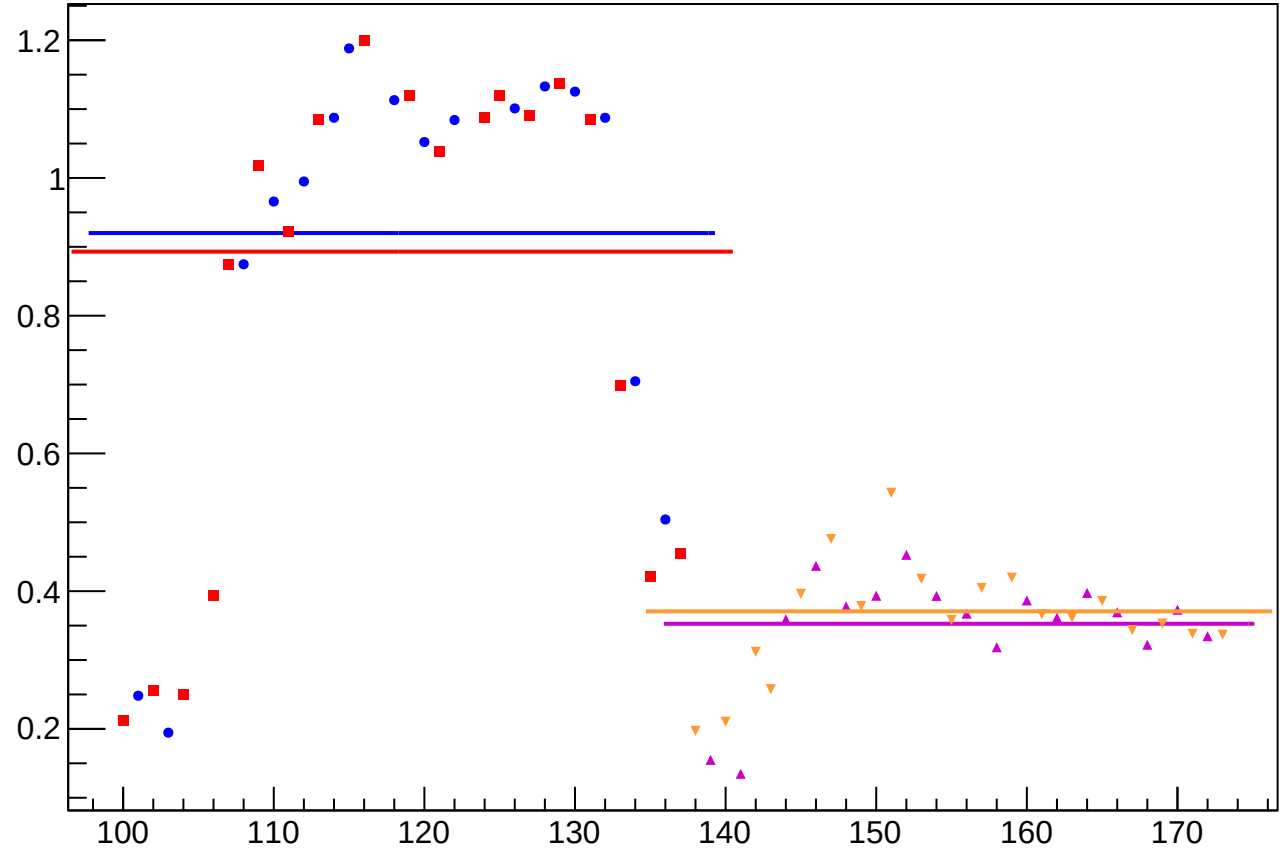
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:604854.3/32

Out: 0.002+/-0.000 χ^2/NDF:608983.6/37

All: 0.002+/-0.000 χ^2/NDF: 1216443.6/70

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.371+/-0.000 χ^2/NDF:1758976255.7/18

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.353+/-0.000 χ^2/NDF:1453351584.1/16

Left: 0.362+/-0.000 χ^2/NDF: 3256748517.5/35

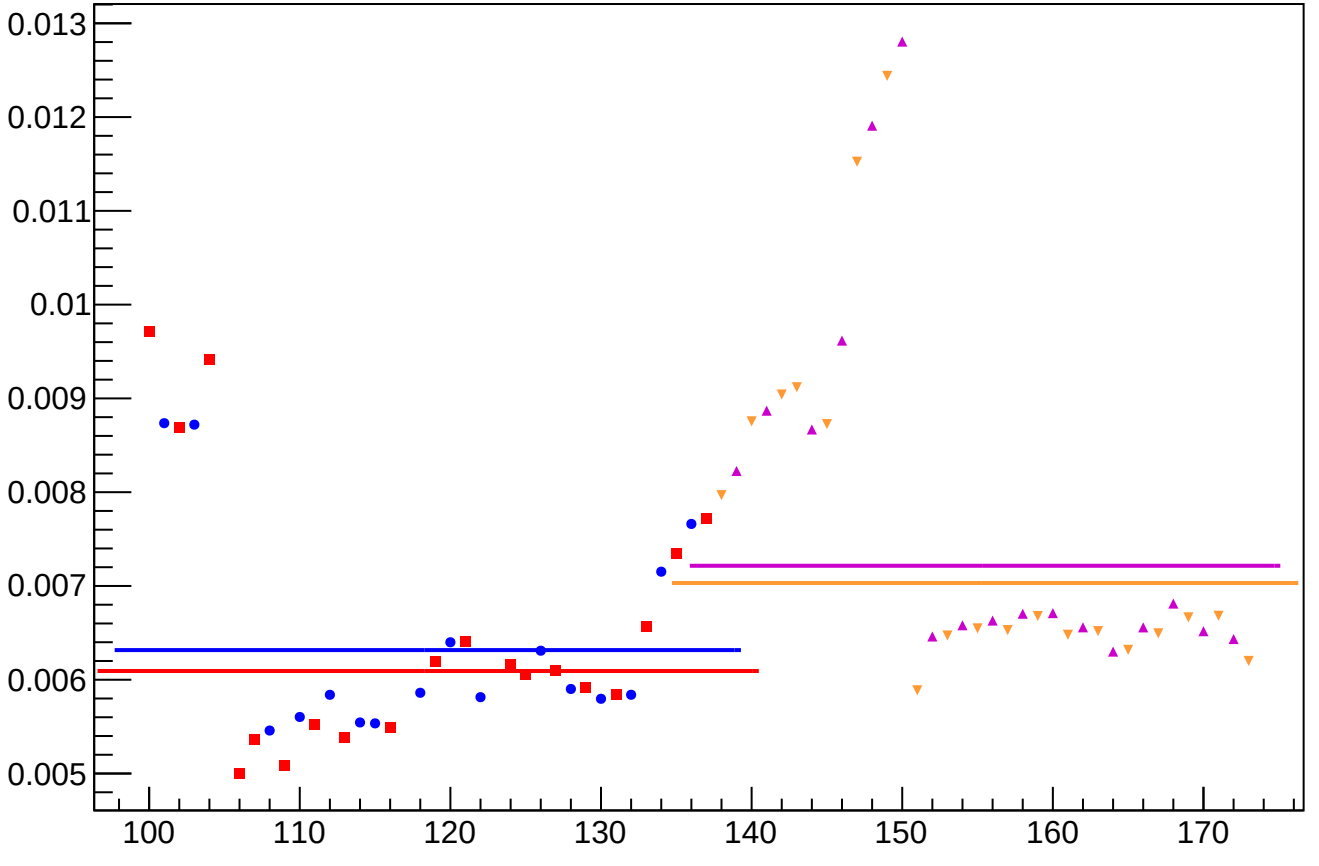
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.583+/-0.000 χ^2/NDF:49671179156.8/32

Out: 0.580+/-0.000 χ^2/NDF:51300773044.6/37

All: 0.581+/-0.000 χ^2/NDF: 100972983539.8

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:1022665.6/18

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1019239.5/16

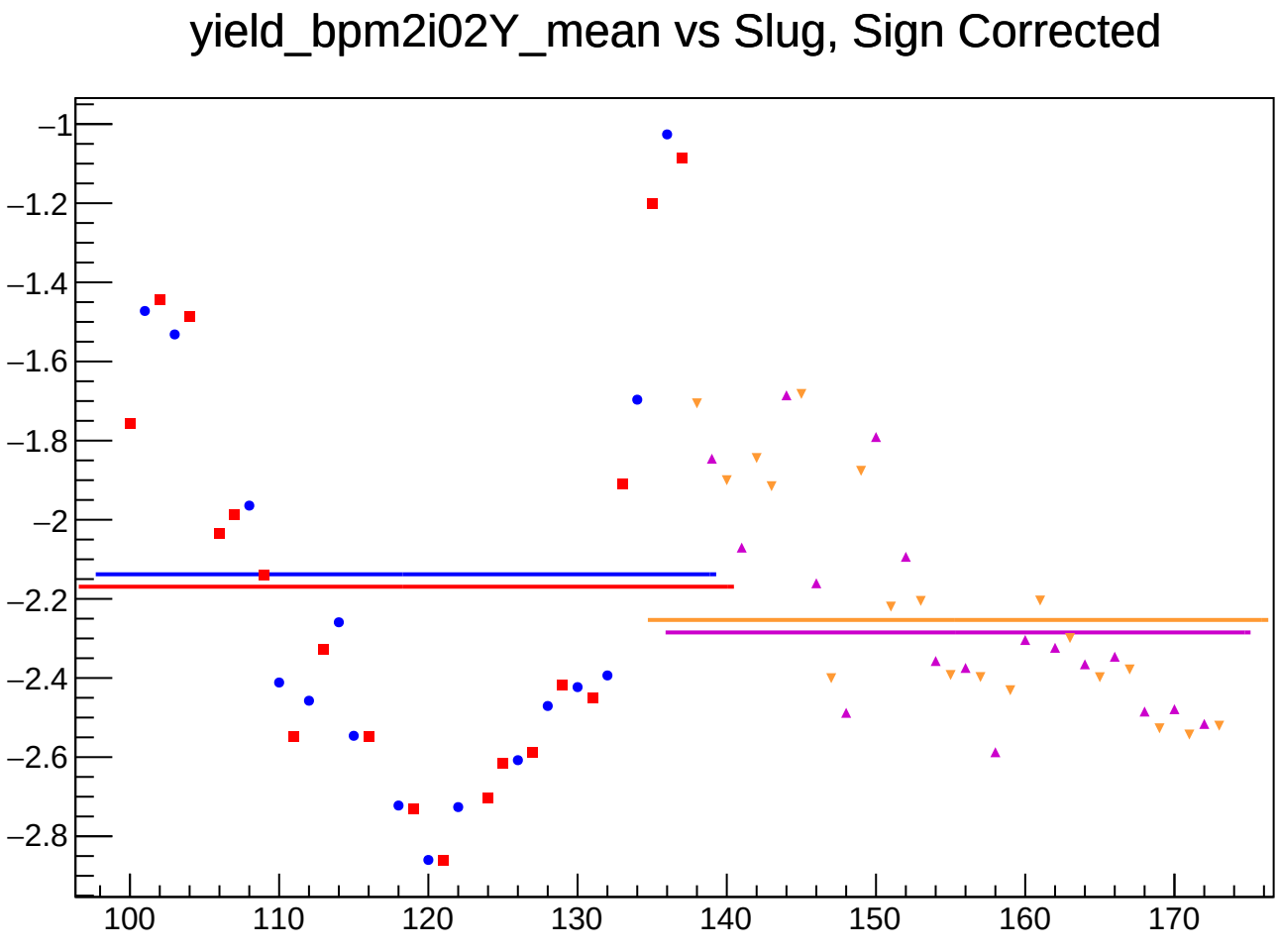
Left: 0.007+/-0.000 χ^2/NDF: 2051158.3/35

Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

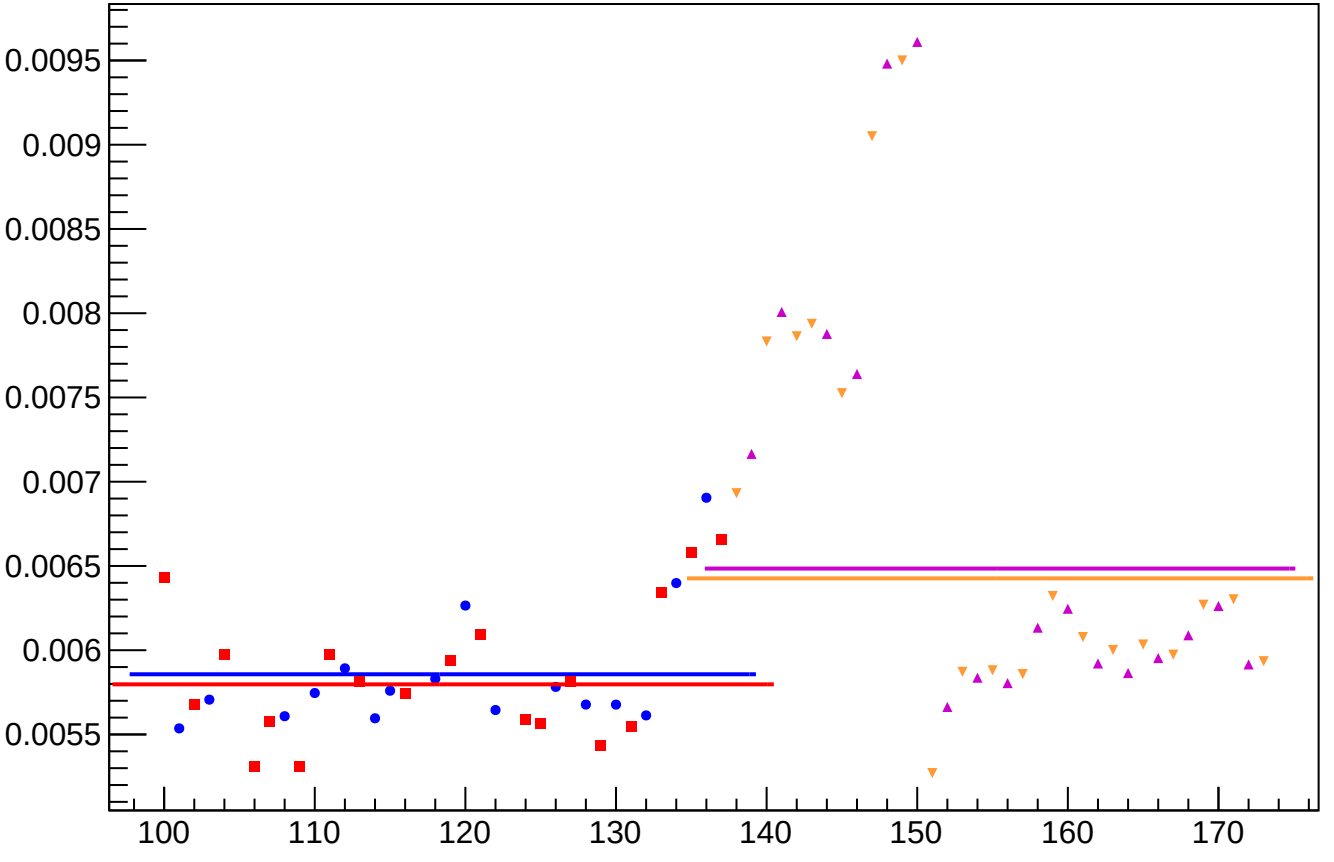
In: 0.007+/-0.000 χ^2/NDF:1524025.3/32

Out: 0.007+/-0.000 χ^2/NDF:1664436.5/37

All: 0.007+/-0.000 χ^2/NDF: 3206133.5/70


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
170
Right In: -2.138+/-0.000 χ²/NDF: 65666622158.4/15
Left Out: -2.253+/-0.000 χ²/NDF:22764987183.6/18
Right Out: -2.169+/-0.000 χ²/NDF: 57409196879.6/18
Left In: -2.285+/-0.000 χ²/NDF:18612828351.9/16
Left: -2.268+/-0.000 χ²/NDF: 41546633904.4/35
Right: -2.154+/-0.000 χ²/NDF: 123181980201.2/34
In: -2.227+/-0.000 χ²/NDF:87029370720.0/32
Out: -2.221+/-0.000 χ²/NDF:81136124496.1/37
All: -2.224+/-0.000 χ²/NDF: 168176362320.2

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:663952.3/18

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.006+/-0.000 χ^2/NDF:681788.9/16

Left: 0.006+/-0.000 χ^2/NDF: 1346889.7/35

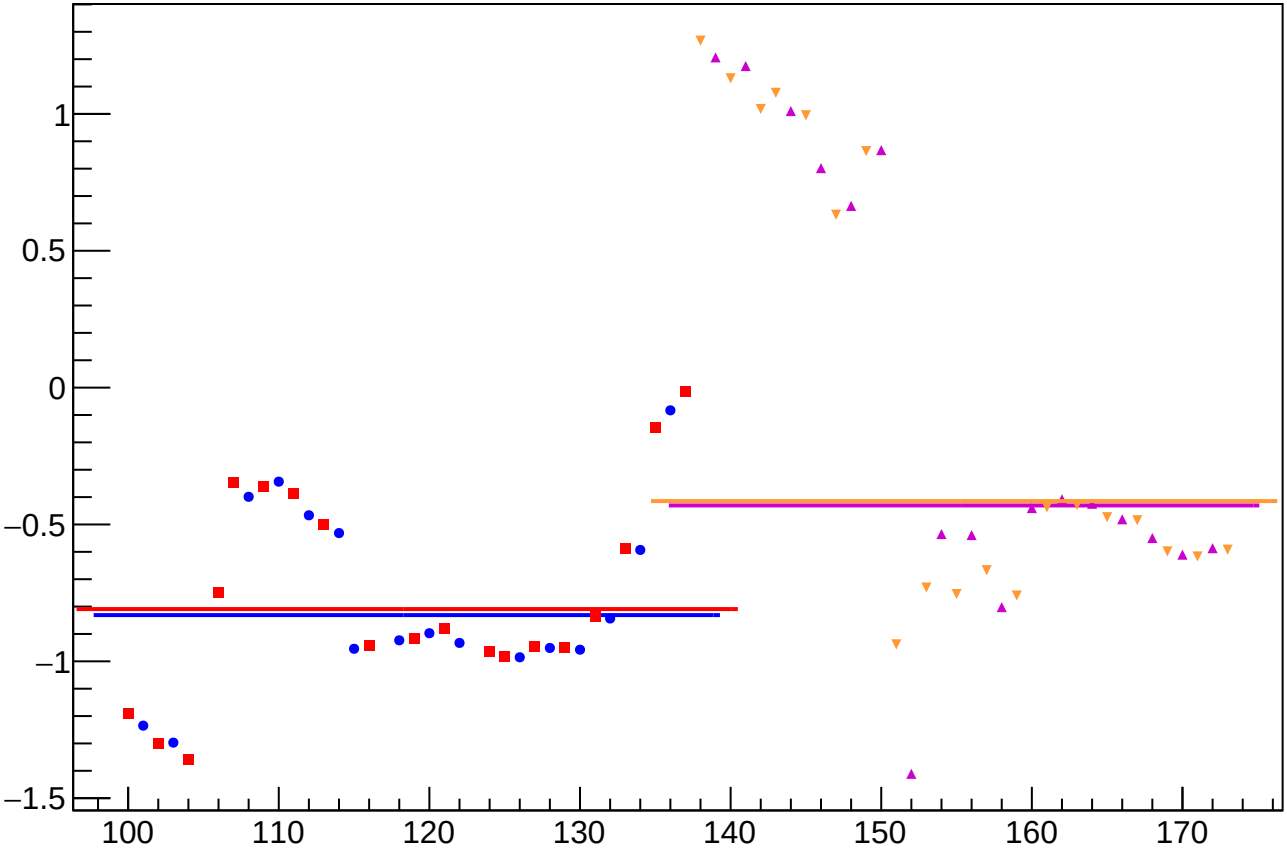
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:843985.0/32

Out: 0.006+/-0.000 χ^2/NDF:828237.1/37

All: 0.006+/-0.000 χ^2/NDF: 1673859.0/70

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.415+/-0.000 χ^2/NDF:80370359670.7/18

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: -0.430+/-0.000 χ^2/NDF:89138601260.5/16

Left: -0.422+/-0.000 χ^2/NDF: 169539709687.2/35

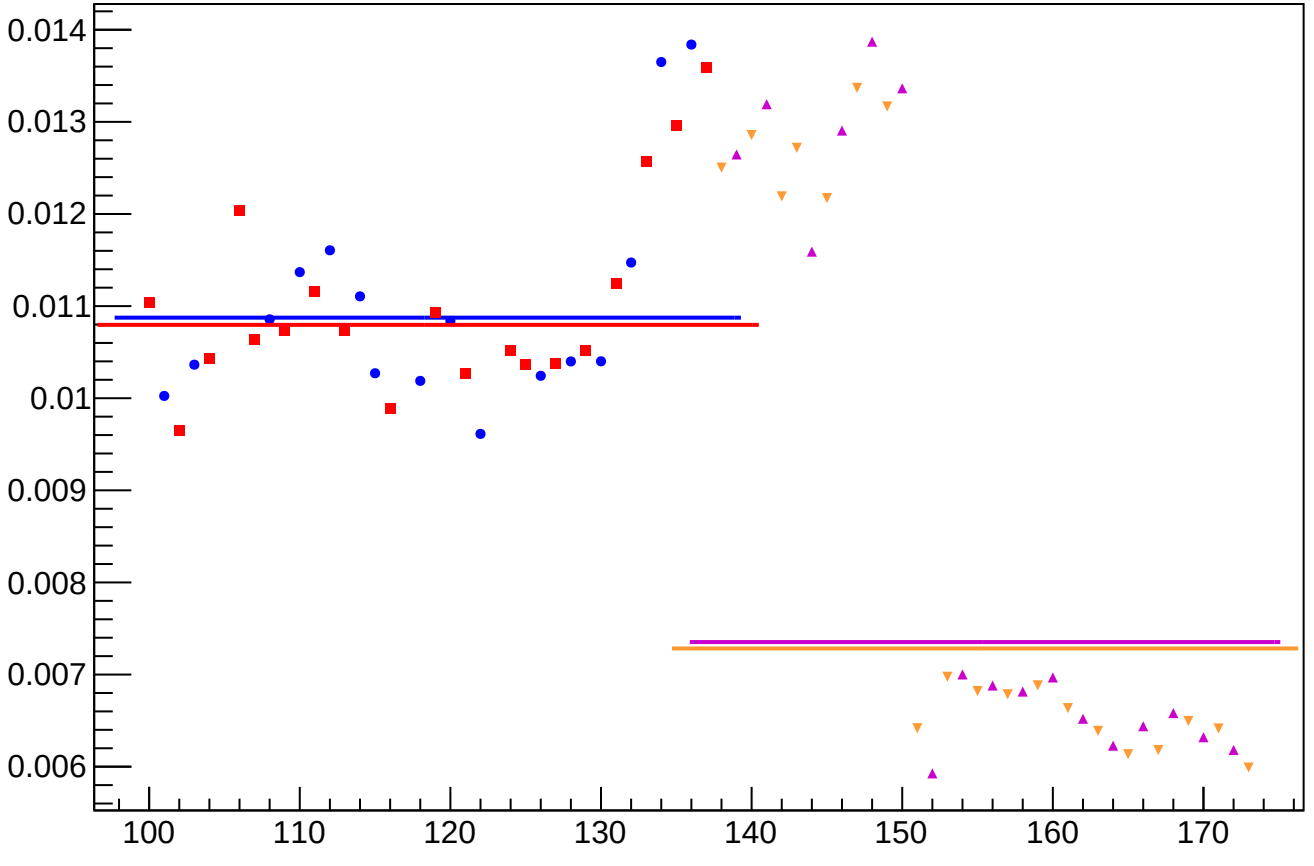
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.512+/-0.000 χ^2/NDF:103863275215.1/32

Out: -0.492+/-0.000 χ^2/NDF:96282724757.0/37

All: -0.501+/-0.000 χ^2/NDF: 200207697891.2

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:2242132.1/18

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.007+/-0.000 χ^2/NDF:2239143.8/16

Left: 0.007+/-0.000 χ^2/NDF: 4482459.8/35

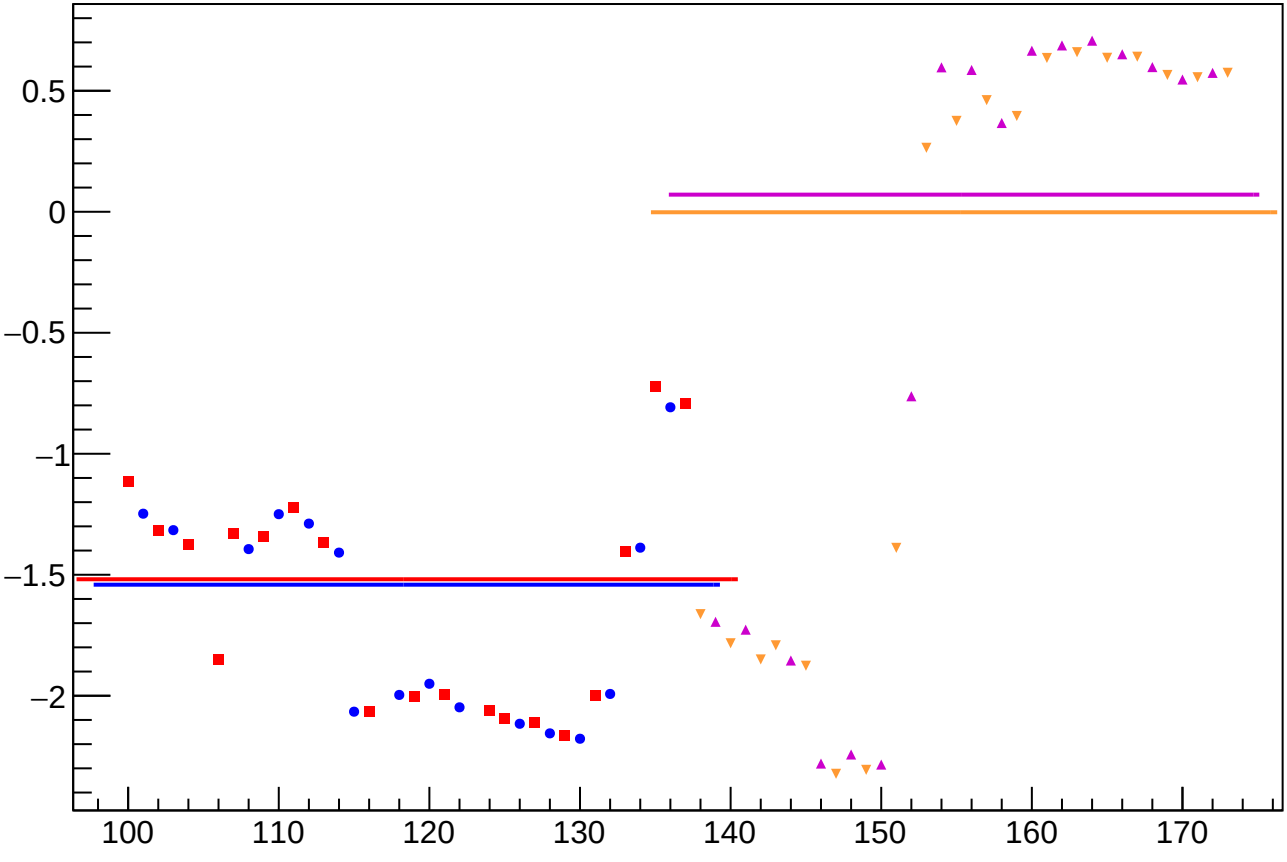
Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.008+/-0.000 χ^2/NDF:3573190.7/32

Out: 0.008+/-0.000 χ^2/NDF:3572947.5/37

All: 0.008+/-0.000 χ^2/NDF: 7149074.2/70

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -0.002+/-0.000 χ^2/NDF:2194966155073.6/18

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

Left In: 0.071+/-0.000 χ^2/NDF:1965916329205.4/16

Left: 0.033+/-0.000 χ^2/NDF: 4166397336887.5/35

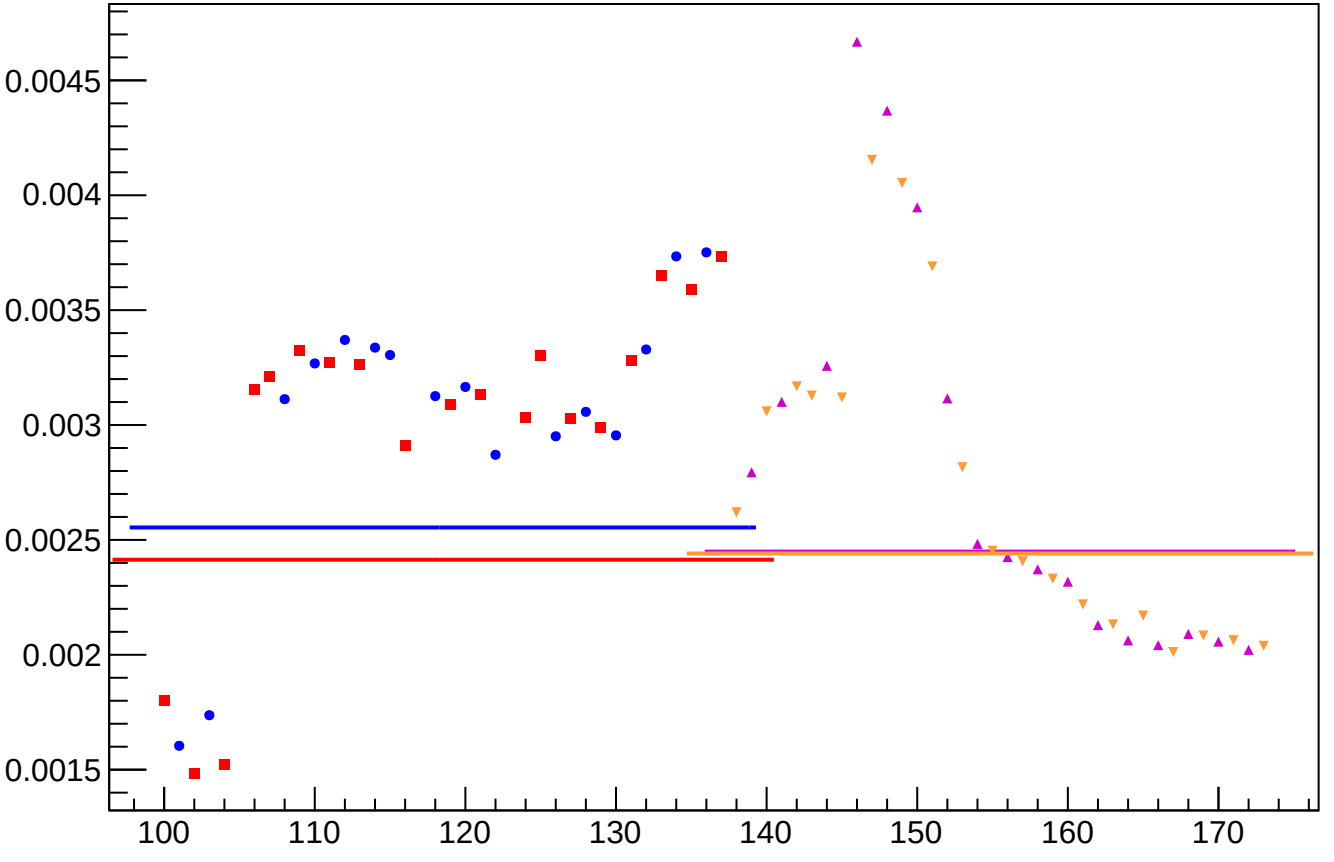
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -0.442+/-0.000 χ^2/NDF:3773857399909.4/32

Out: -0.485+/-0.000 χ^2/NDF:3934758023386.0/37

All: -0.464+/-0.000 χ^2/NDF: 7711436803726

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1135339.8/18

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.002+/-0.000 χ^2/NDF:1284071.3/16

Left: 0.002+/-0.000 χ^2/NDF: 2419554.8/35

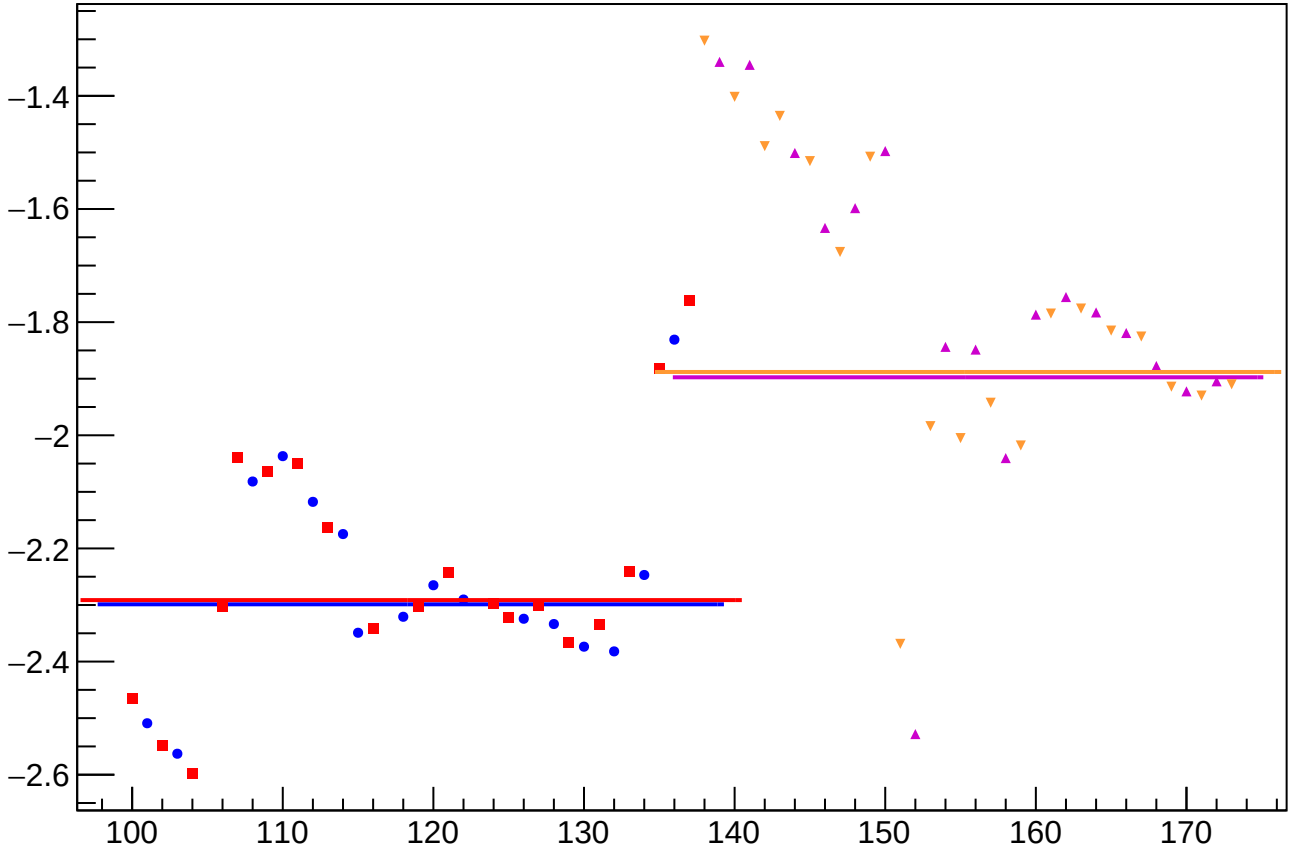
Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

In: 0.002+/-0.000 χ^2/NDF:2470467.5/32

Out: 0.002+/-0.000 χ^2/NDF:2683195.0/37

All: 0.002+/-0.000 χ^2/NDF: 5161397.0/70

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -2.299+/-0.000 χ^2/NDF: 6129071089.8/15

Left Out: -1.888+/-0.000 χ^2/NDF:27410690409.2/18

Right Out: -2.291+/-0.000 χ^2/NDF: 6831007568.9/18

Left In: -1.897+/-0.000 χ^2/NDF:43345890535.8/16

Left: -1.893+/-0.000 χ^2/NDF: 70785760255.9/35

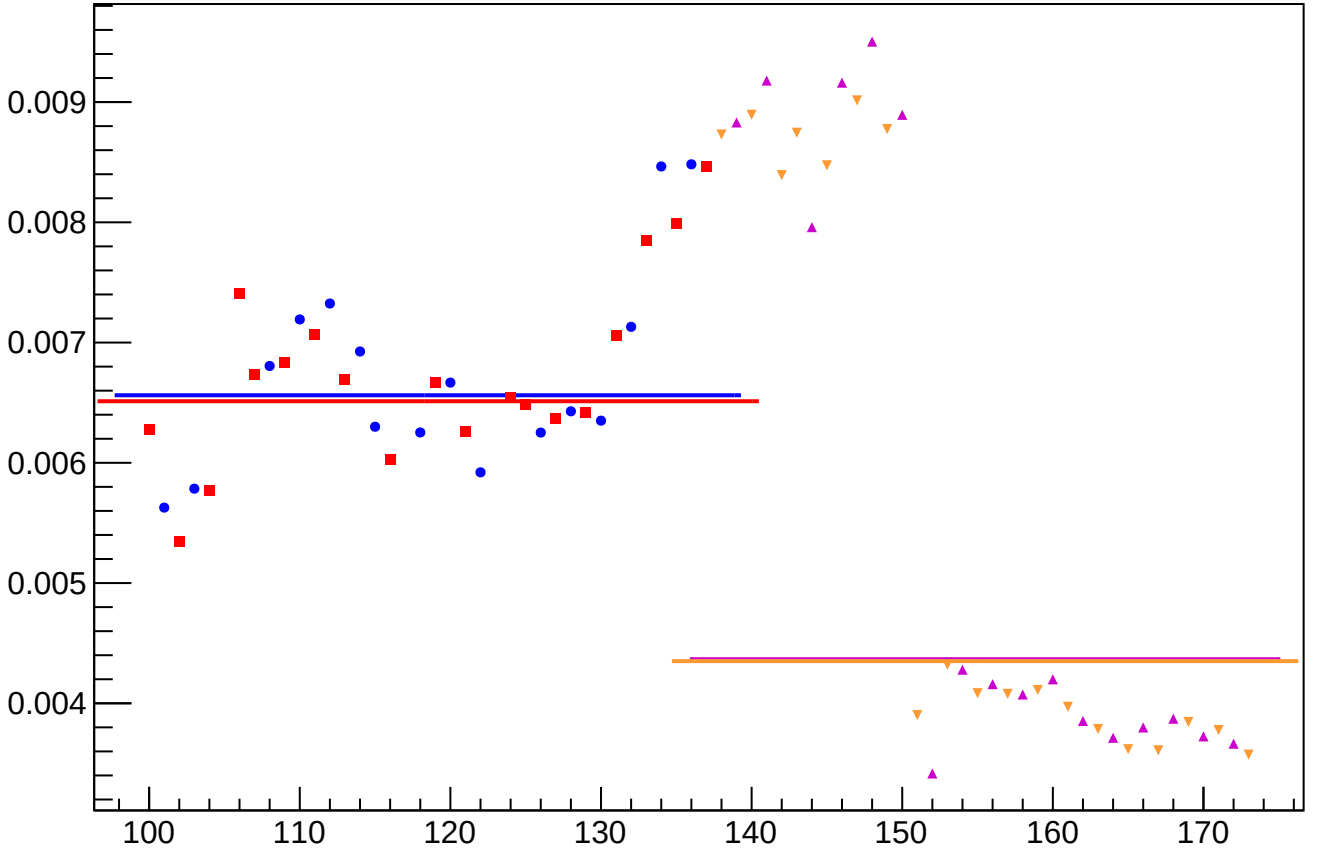
Right: -2.295+/-0.000 χ^2/NDF: 12964639512.9/34

In: -1.979+/-0.000 χ^2/NDF:70110055903.1/32

Out: -1.967+/-0.000 χ^2/NDF:56128670175.0/37

All: -1.973+/-0.000 χ^2/NDF: 126295377416.2

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:2933137.0/18

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.004+/-0.000 χ^2/NDF:2964054.1/16

Left: 0.004+/-0.000 χ^2/NDF: 5897363.3/35

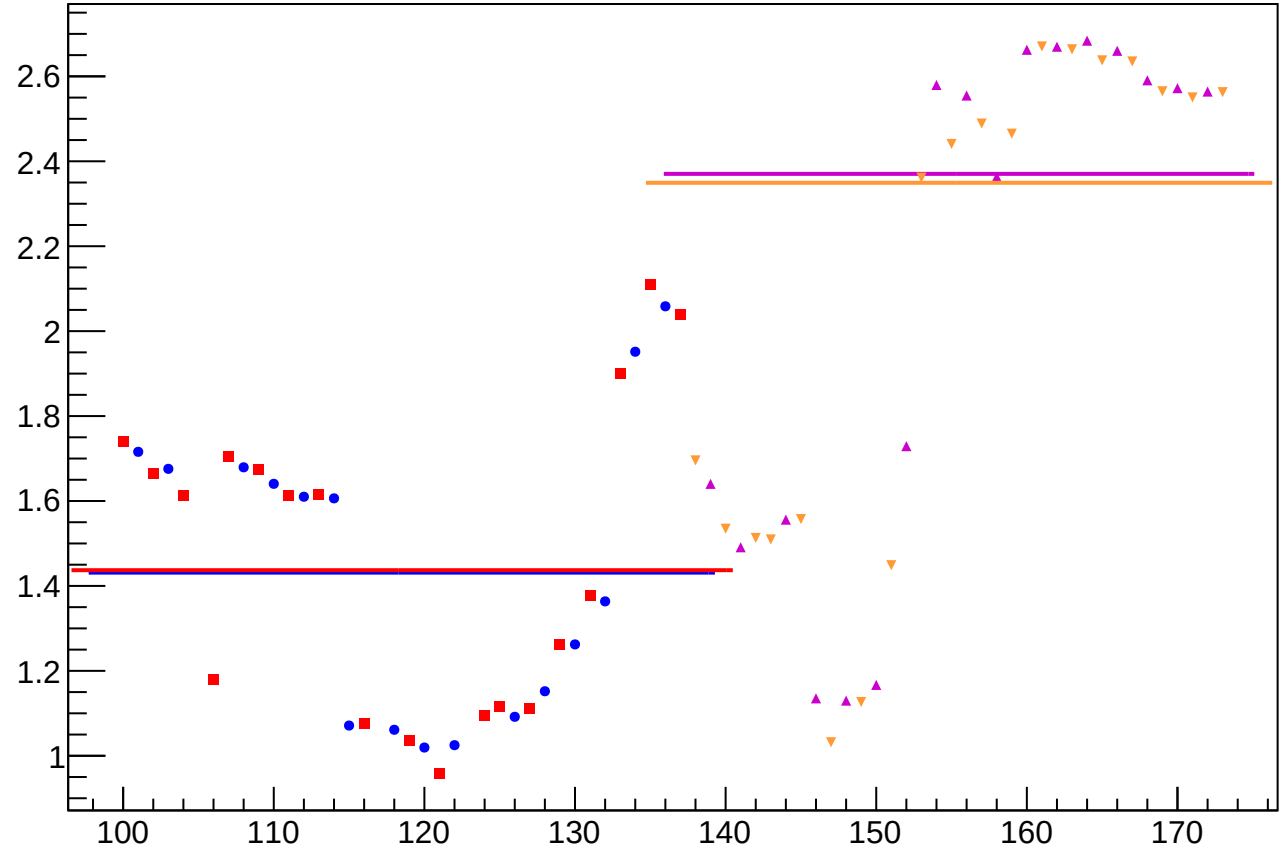
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.005+/-0.000 χ^2/NDF:4420635.3/32

Out: 0.005+/-0.000 χ^2/NDF:4375628.0/37

All: 0.005+/-0.000 χ^2/NDF: 8797423.4/70

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.349+/-0.000 χ^2/NDF:220395318059.4/18

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 2.370+/-0.000 χ^2/NDF:210551882316.9/16

Left: 2.359+/-0.000 χ^2/NDF: 431197716162.1/35

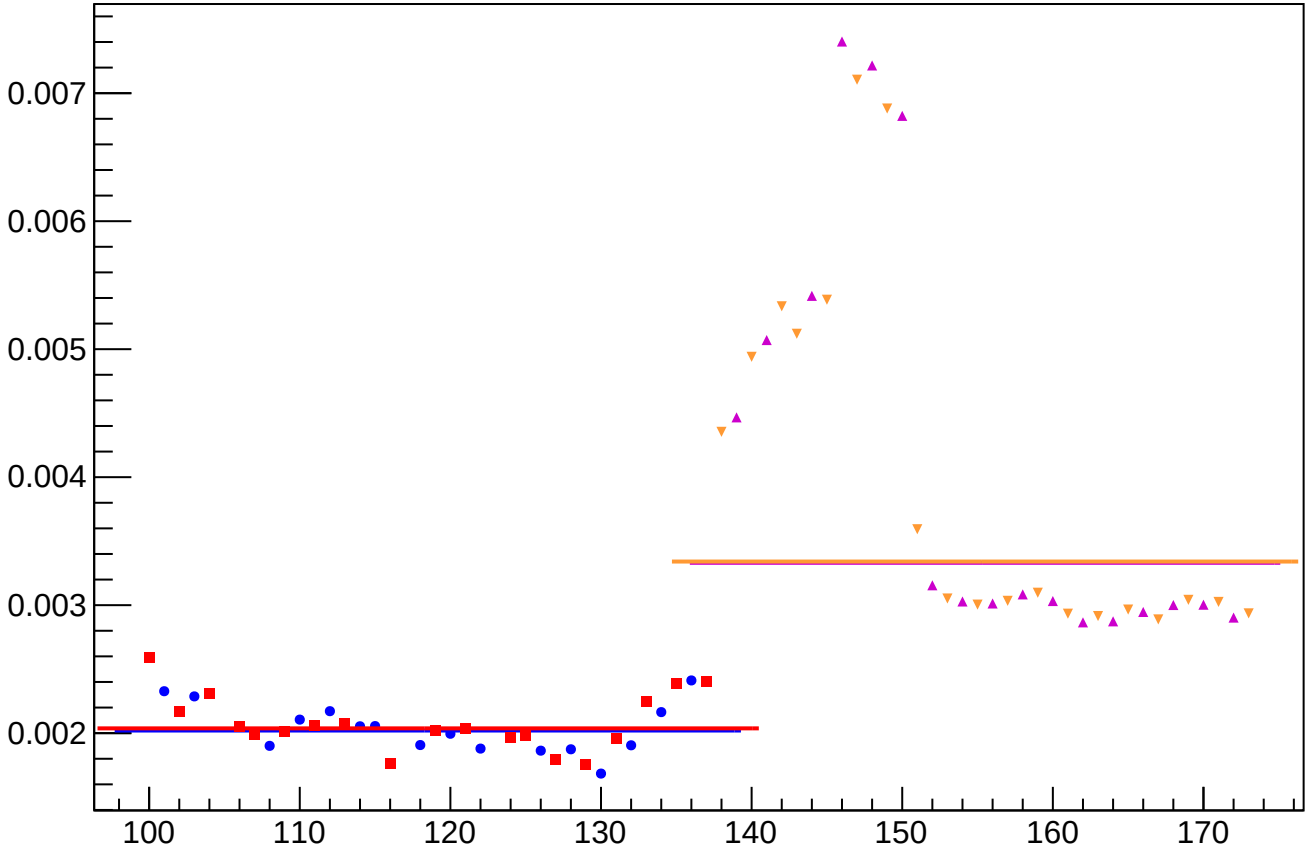
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.809+/-0.000 χ^2/NDF:976743968771.7/32

Out: 1.821+/-0.000 χ^2/NDF:973498050826.1/37

All: 1.815+/-0.000 χ^2/NDF: 1950422034418.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:1735332.0/18

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:1970367.3/16

Left: 0.003+/-0.000 χ^2/NDF: 3705812.4/35

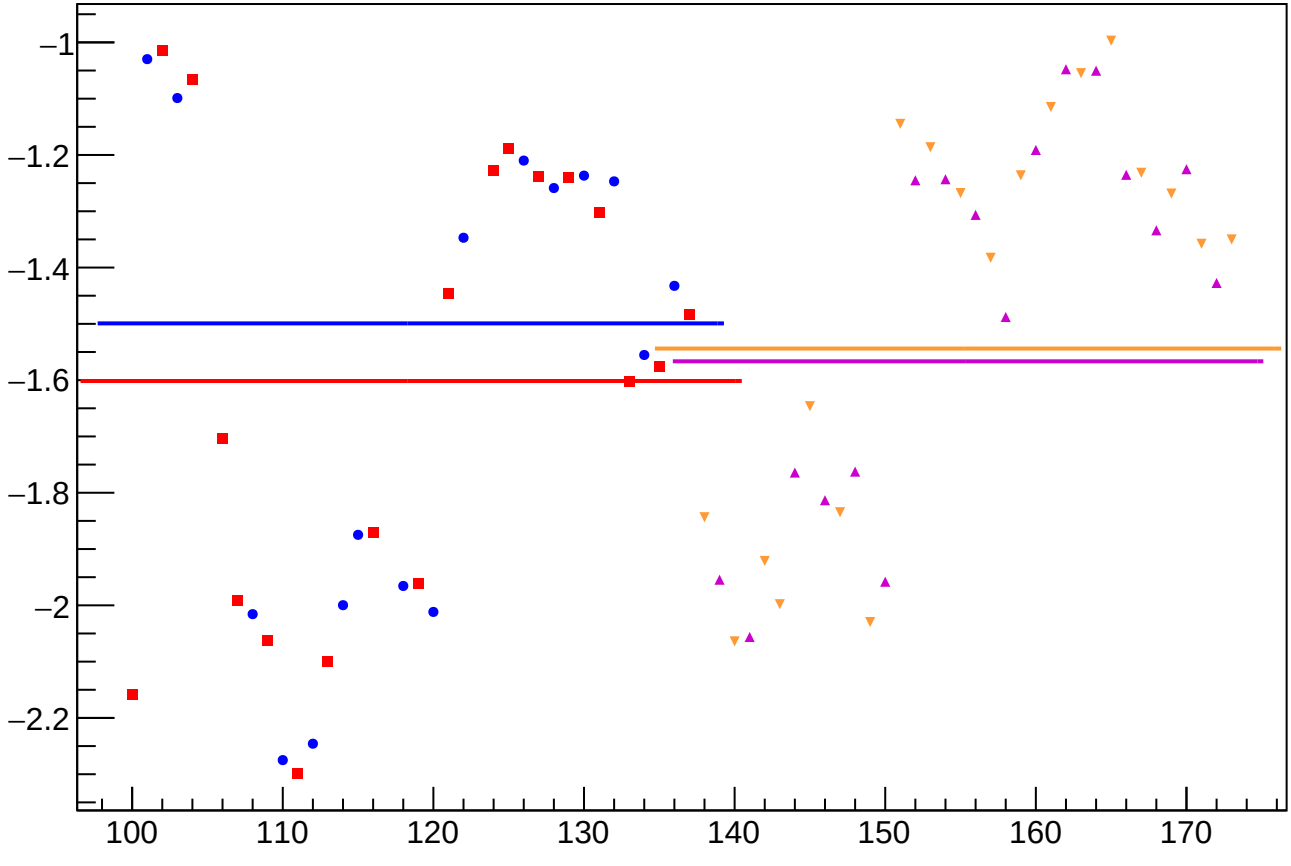
Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

In: 0.003+/-0.000 χ^2/NDF:4372264.4/32

Out: 0.003+/-0.000 χ^2/NDF:4180001.5/37

All: 0.003+/-0.000 χ^2/NDF: 8556179.7/70

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.544+/-0.000 χ^2/NDF:41591827084.9/18

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

Left In: -1.567+/-0.000 χ^2/NDF:31004650739.0/16

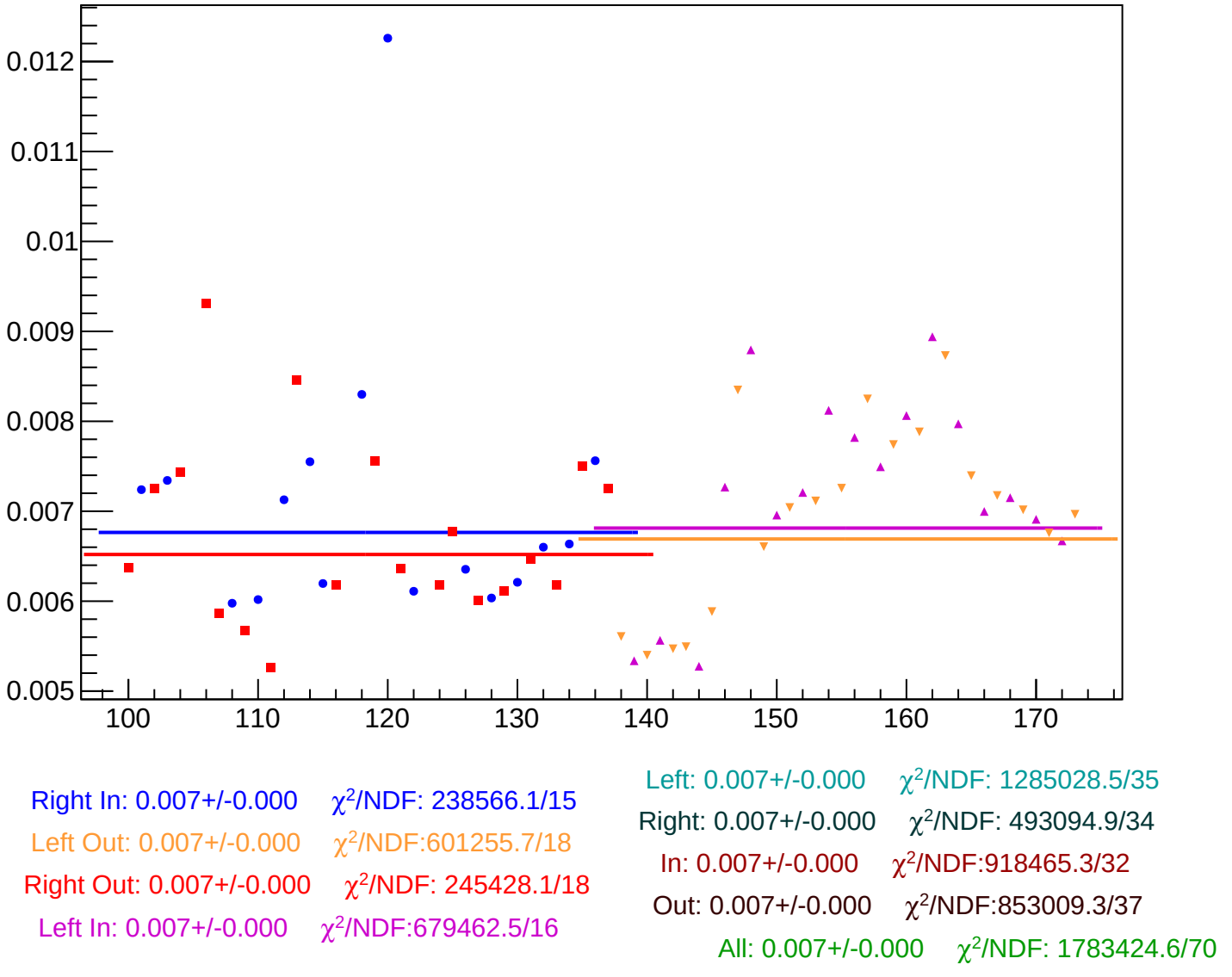
Left: -1.555+/-0.000 χ^2/NDF: 72671845433.5/35

Right: -1.554+/-0.000 χ^2/NDF: 52047267484.5/34

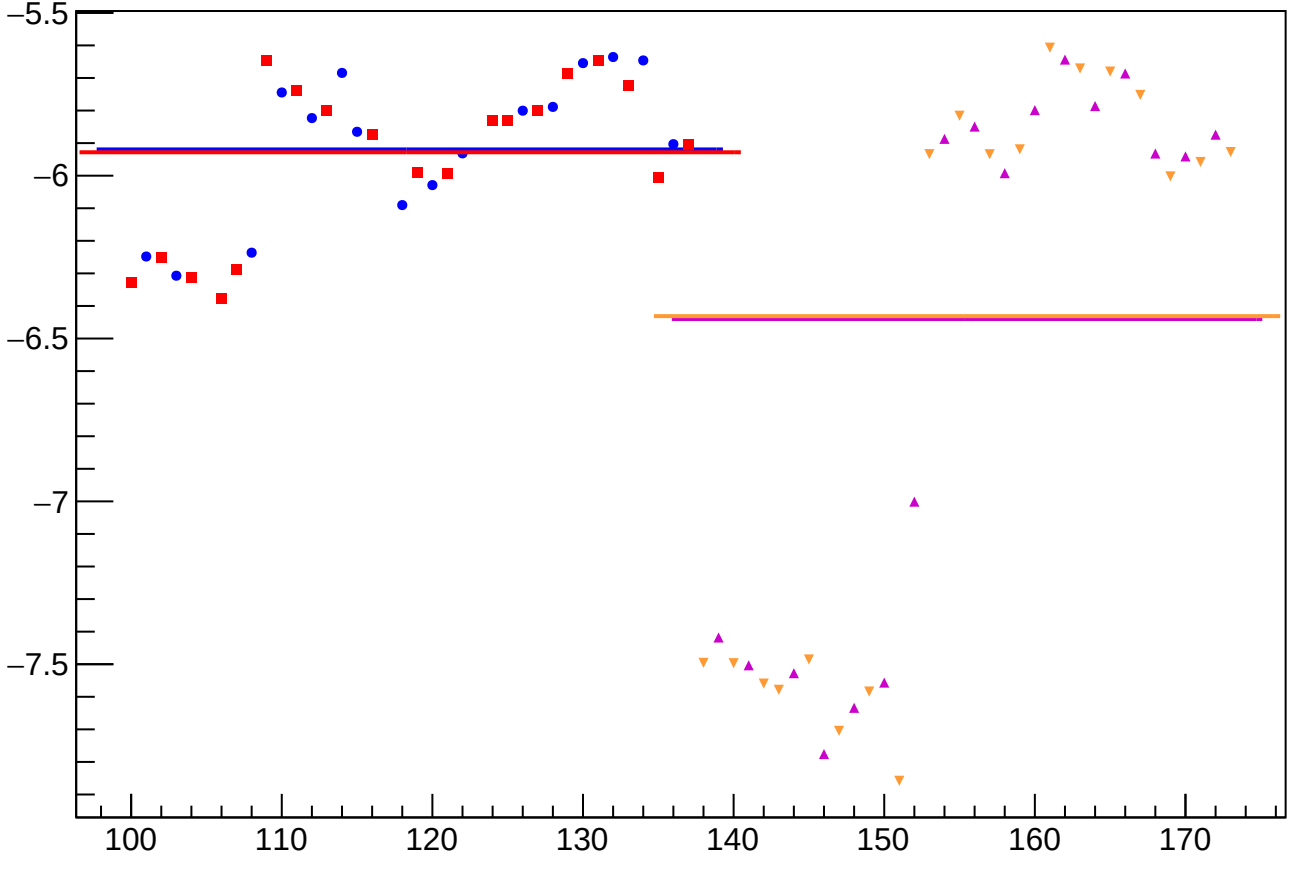
In: -1.544+/-0.000 χ^2/NDF:54360461485.4/32

Out: -1.564+/-0.000 χ^2/NDF:70270961026.0/37

All: -1.554+/-0.000 χ^2/NDF: 124719226828.0


yield_bpm0l01X_rms vs Slug, Sign Corrected
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
100
110
120
130
140
150
160
170
Right In: 0.007+/-0.000 χ²/NDF: 238566.1/15
Left Out: 0.007+/-0.000 χ²/NDF:601255.7/18
Right Out: 0.007+/-0.000 χ²/NDF: 245428.1/18
Left In: 0.007+/-0.000 χ²/NDF:679462.5/16
Left: 0.007+/-0.000 χ²/NDF: 1285028.5/35
Right: 0.007+/-0.000 χ²/NDF: 493094.9/34
In: 0.007+/-0.000 χ²/NDF:918465.3/32
Out: 0.007+/-0.000 χ²/NDF:853009.3/37
All: 0.007+/-0.000 χ²/NDF: 1783424.6/70

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.431+/-0.000 χ^2/NDF:103435593401.8/18

Right Out: -5.928+/-0.000 χ^2/NDF: 12641528579.2/18

Left In: -6.440+/-0.000 χ^2/NDF:83140907201.1/16

Left: -6.435+/-0.000 χ^2/NDF: 186581881026.3/35

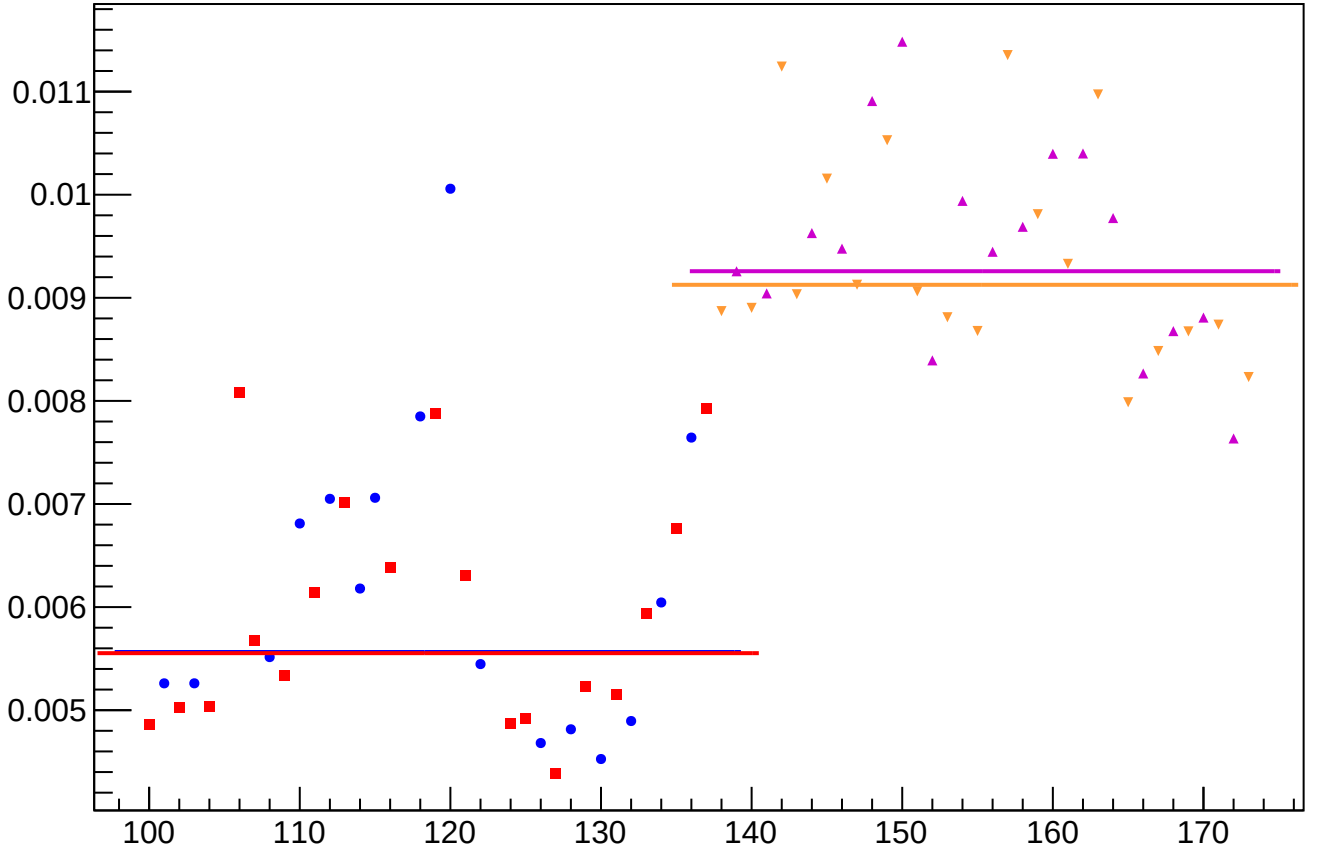
Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.128+/-0.000 χ^2/NDF:116430884520.7/32

Out: -6.134+/-0.000 χ^2/NDF:137919556605.2/37

All: -6.131+/-0.000 χ^2/NDF: 254356494227.2

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:219754.7/18

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:244749.3/16

Left: 0.009+/-0.000 χ^2/NDF: 466924.2/35

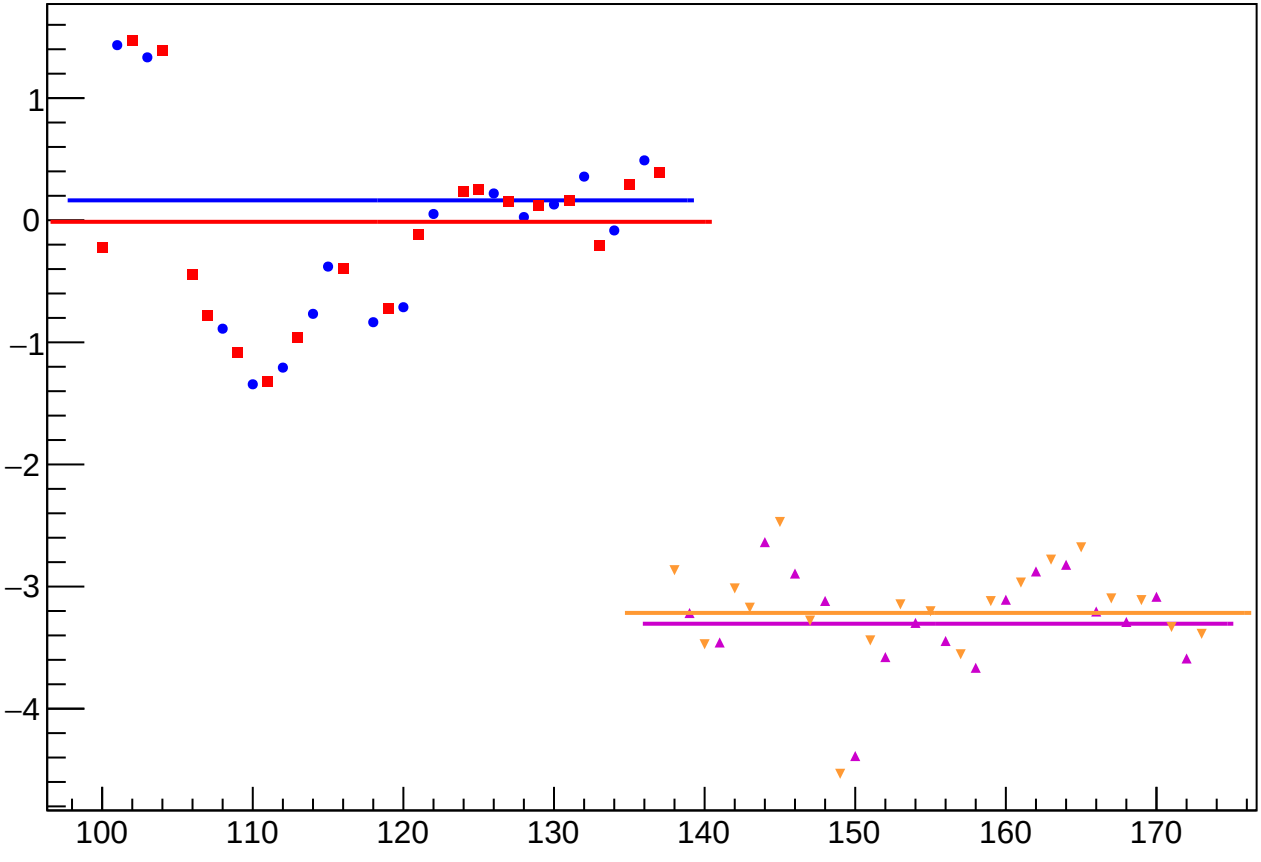
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.007+/-0.000 χ^2/NDF:2909130.2/32

Out: 0.007+/-0.000 χ^2/NDF:2787119.4/37

All: 0.007+/-0.000 χ^2/NDF: 5696547.3/70

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.216+/-0.000 χ^2/NDF:8279125889.5/18

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.304+/-0.000 χ^2/NDF:6728493168.3/16

Left: -3.258+/-0.000 χ^2/NDF: 15189748387.0/35

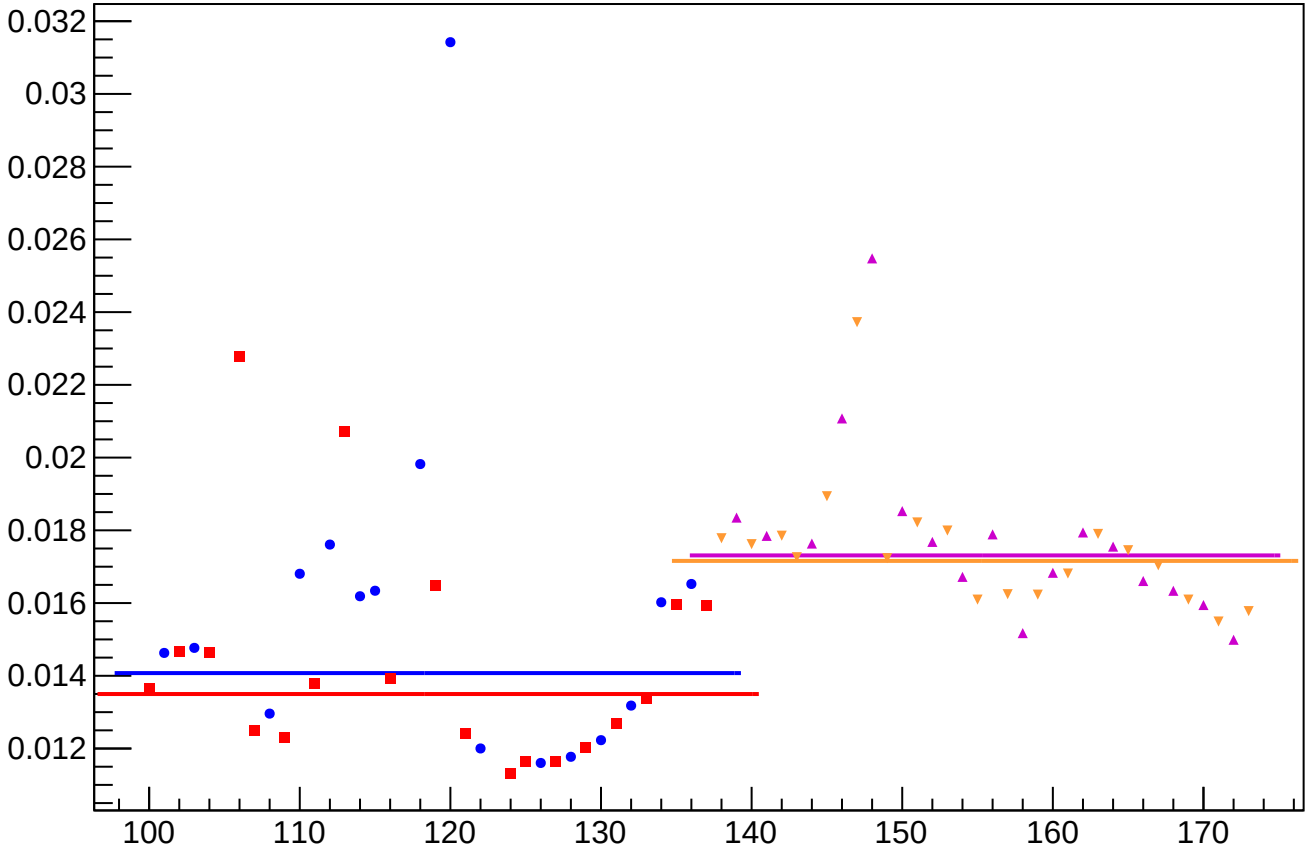
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -1.855+/-0.000 χ^2/NDF:247380329894.4/32

Out: -1.827+/-0.000 χ^2/NDF:246744578994.3/37

All: -1.840+/-0.000 χ^2/NDF: 494157582912.5

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.017+/-0.000 χ^2/NDF:199617.1/18

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.017+/-0.000 χ^2/NDF:319959.6/16

Left: 0.017+/-0.000 χ^2/NDF: 520633.2/35

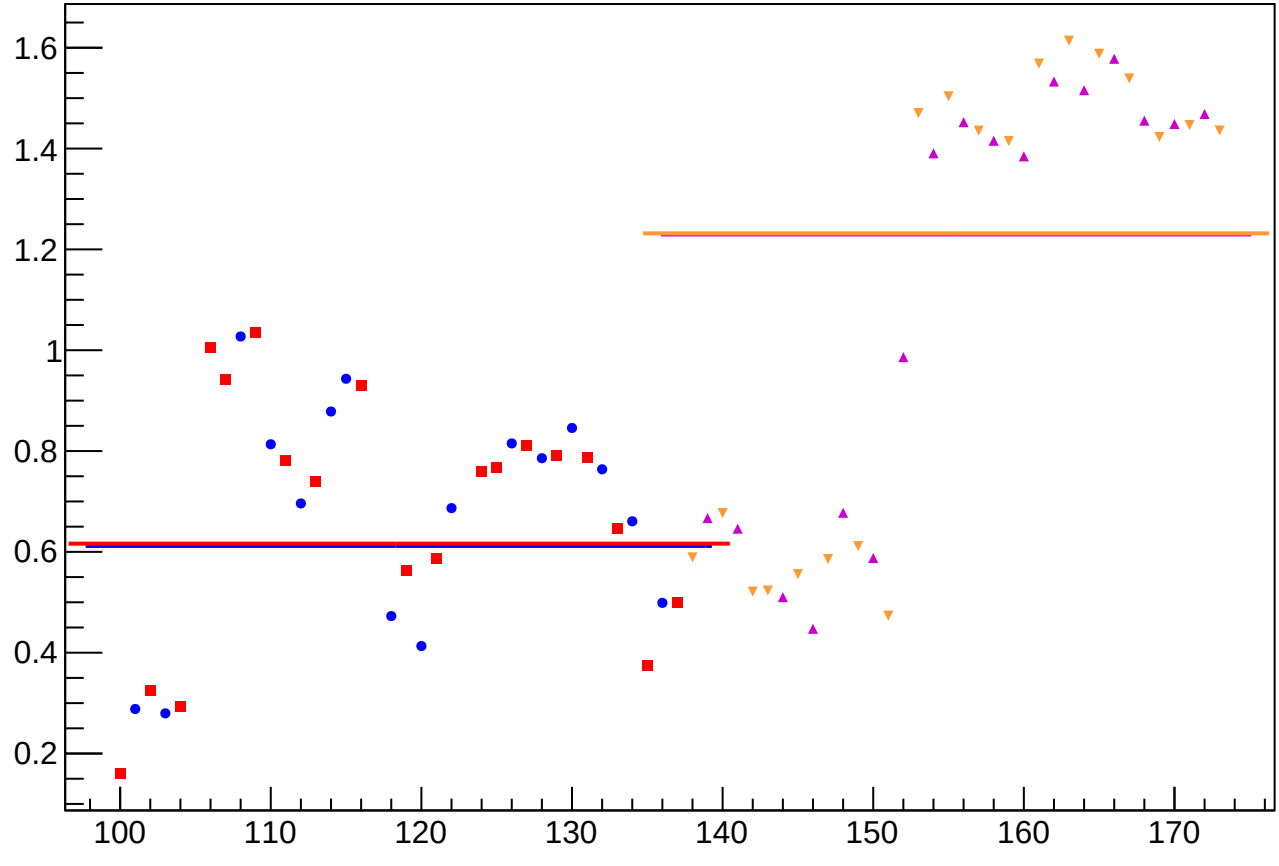
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1173429.0/32

Out: 0.016+/-0.000 χ^2/NDF:1078807.5/37

All: 0.016+/-0.000 χ^2/NDF: 2264256.4/70

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.232+/-0.000 χ^2/NDF:43990414383.0/18

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 1.230+/-0.000 χ^2/NDF:35766880140.4/16

Left: 1.231+/-0.000 χ^2/NDF: 79757941267.0/35

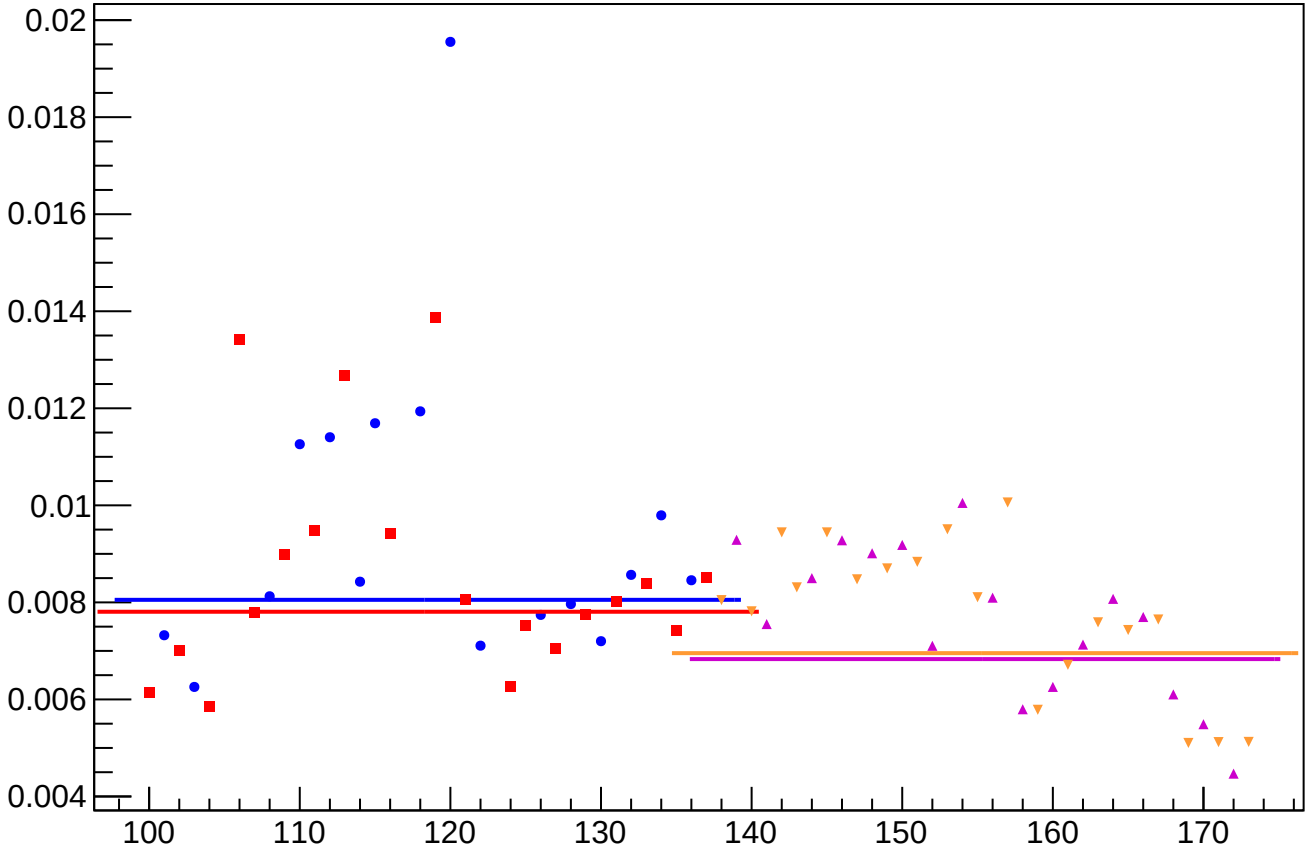
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 1.065+/-0.000 χ^2/NDF:67843149305.3/32

Out: 1.057+/-0.000 χ^2/NDF:78969150643.7/37

All: 1.061+/-0.000 χ^2/NDF: 146821993542.7

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.007+/-0.000 χ^2/NDF:1388016.6/18

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.007+/-0.000 χ^2/NDF:1362824.5/16

Left: 0.007+/-0.000 χ^2/NDF: 2754785.3/35

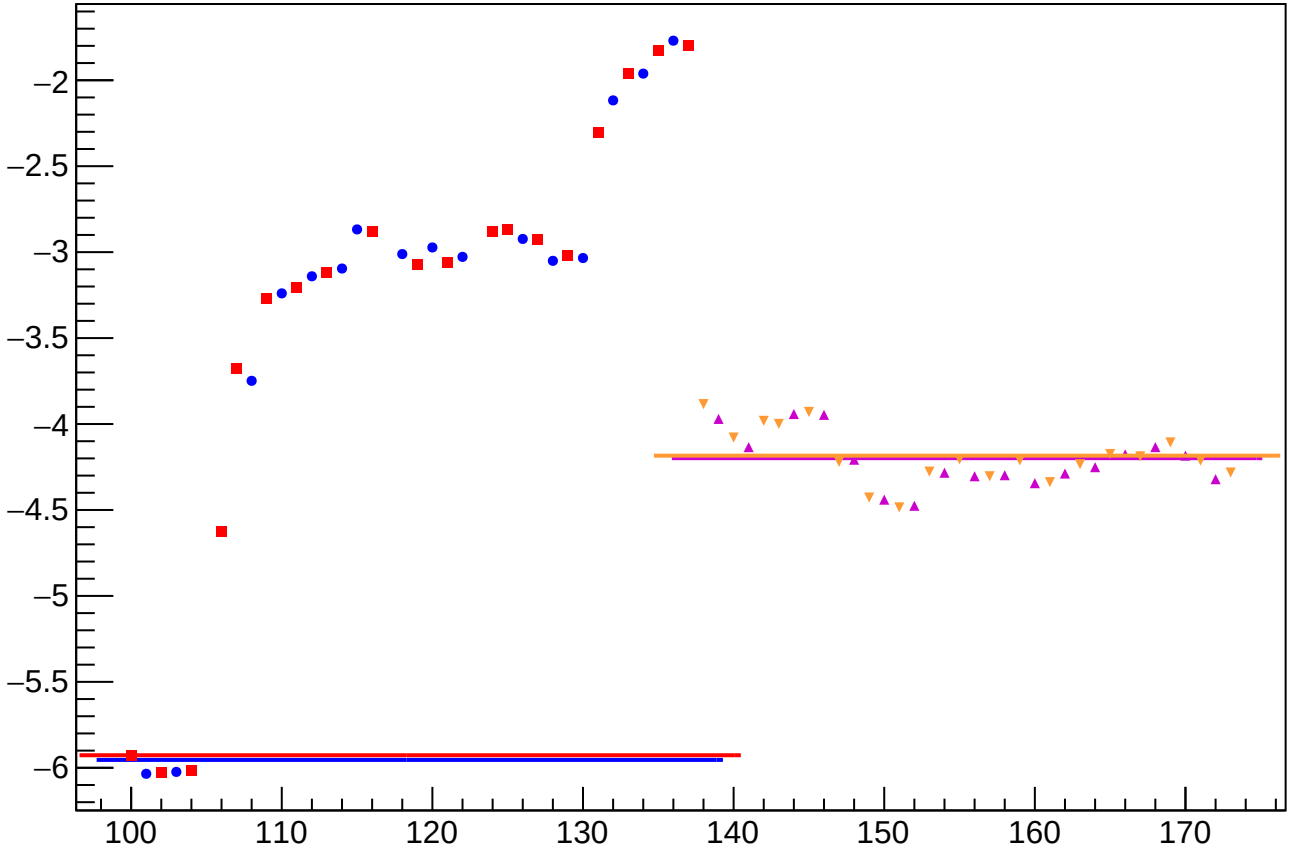
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.007+/-0.000 χ^2/NDF:2167716.7/32

Out: 0.007+/-0.000 χ^2/NDF:2084912.0/37

All: 0.007+/-0.000 χ^2/NDF: 4253161.5/70

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.184+/-0.000 χ^2/NDF:53845180.4/18

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.199+/-0.000 χ^2/NDF:41498858.3/16

Left: -4.191+/-0.000 χ^2/NDF: 95543792.9/35

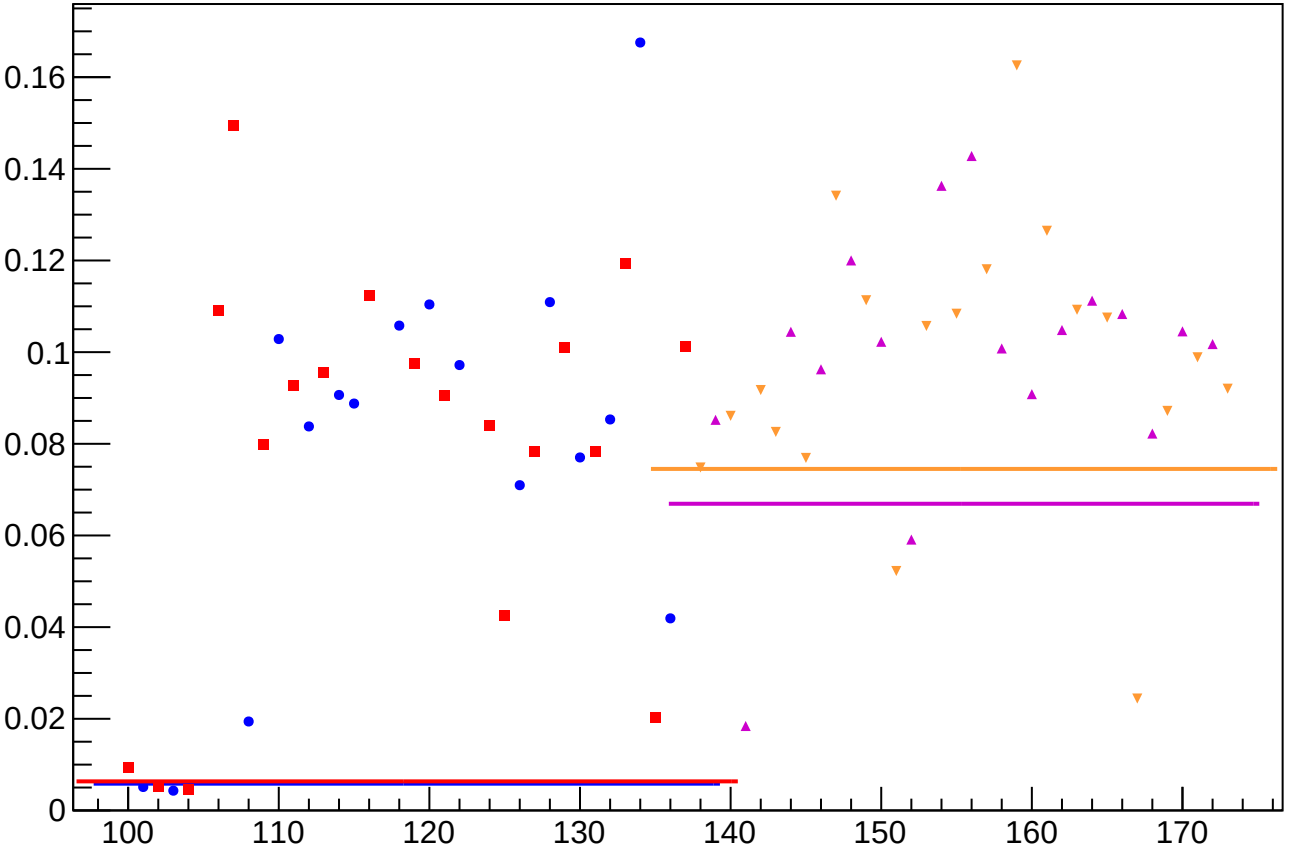
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.893+/-0.000 χ^2/NDF:18627359278.5/32

Out: -5.854+/-0.000 χ^2/NDF:19382243226.9/37

All: -5.875+/-0.000 χ^2/NDF: 38047996380.6/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.075+/-0.000 χ^2/NDF:4396716.8/18

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.067+/-0.000 χ^2/NDF:6065491.6/16

Left: 0.071+/-0.000 χ^2/NDF: 10569175.3/35

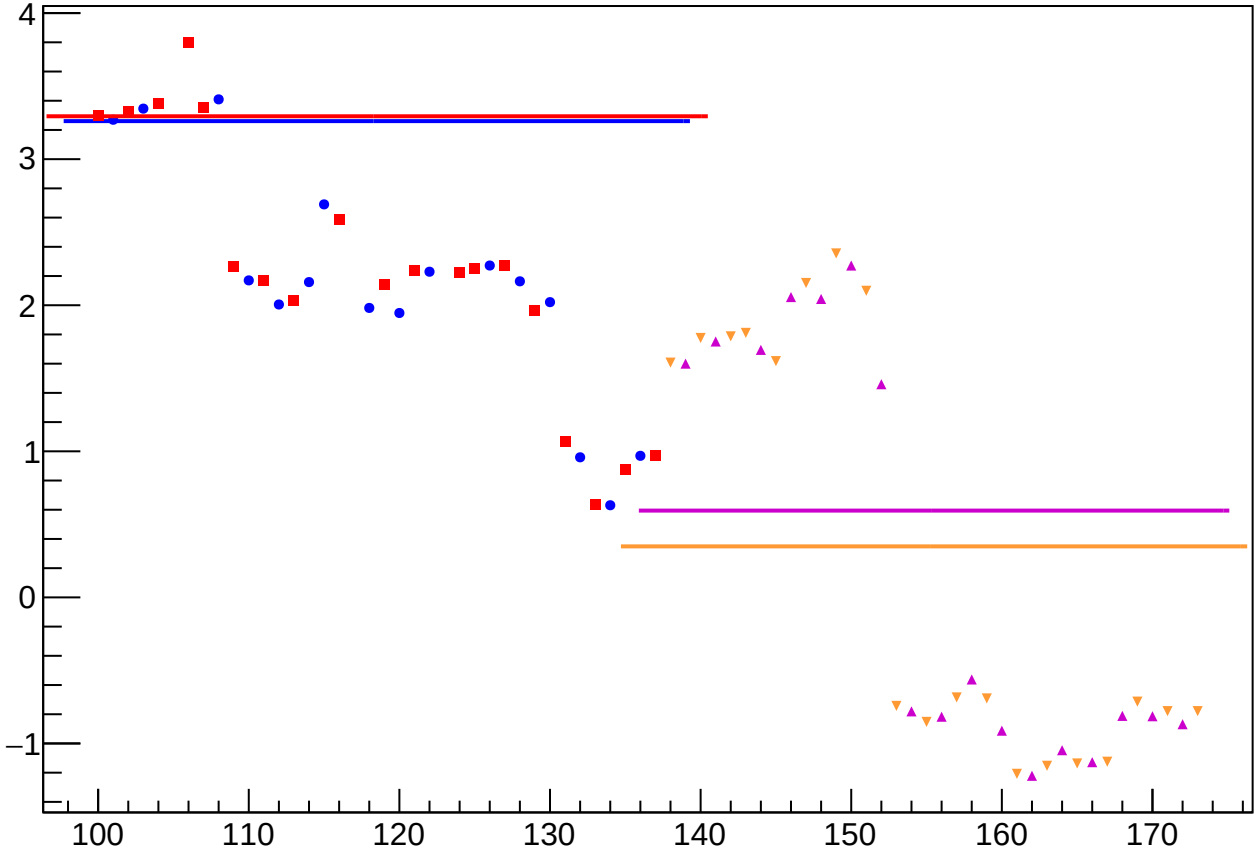
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.008+/-0.000 χ^2/NDF:28047622.3/32

Out: 0.009+/-0.000 χ^2/NDF:29688980.5/37

All: 0.009+/-0.000 χ^2/NDF: 57813217.4/70

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 0.349+/-0.000 χ^2/NDF:3143275395.4/18

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 0.594+/-0.000 χ^2/NDF:2345861794.4/16

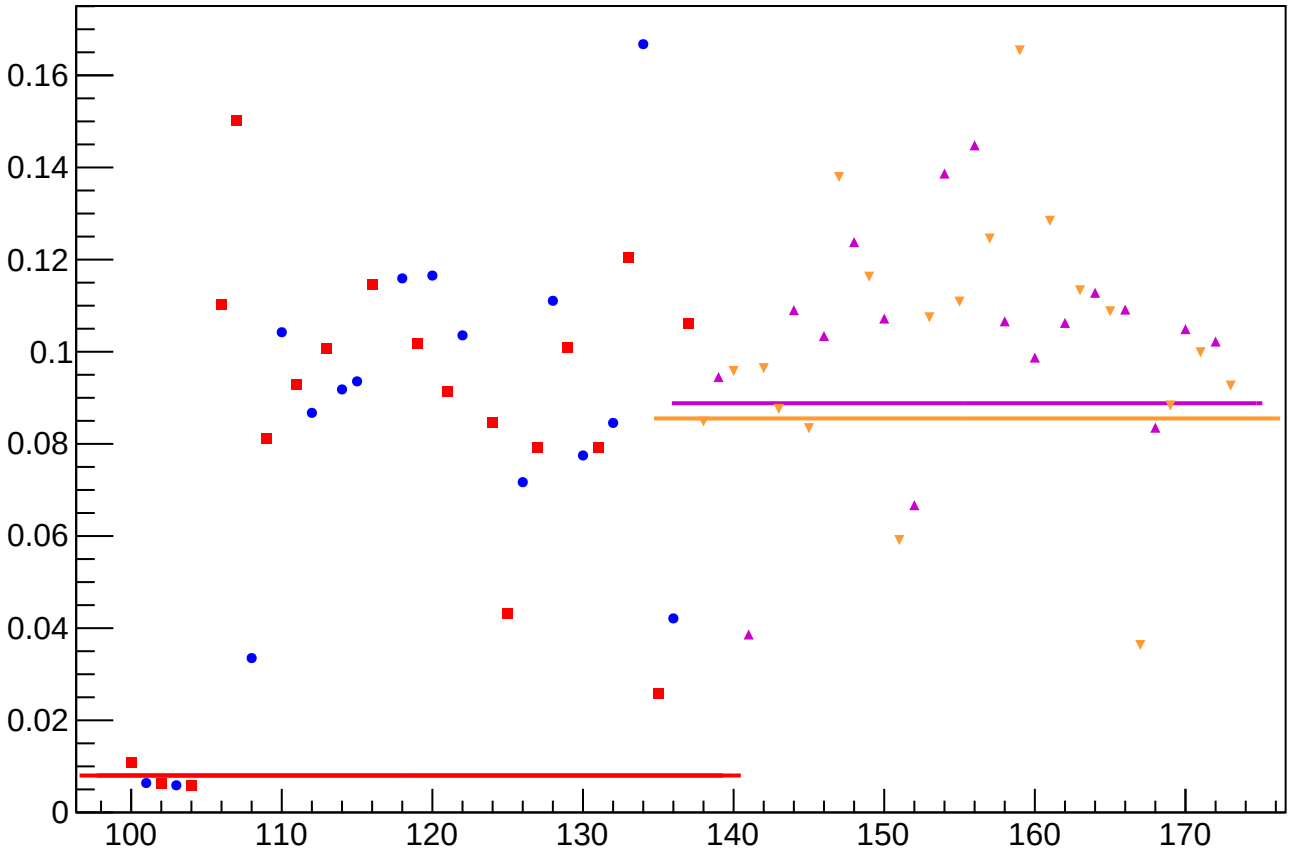
Left: 0.462+/-0.000 χ^2/NDF: 5531833924.1/35

Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.152+/-0.000 χ^2/NDF:14337580244.1/32

Out: 3.146+/-0.000 χ^2/NDF:19122641896.2/37

All: 3.149+/-0.000 χ^2/NDF: 33460812524.2/7



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.086+/-0.000 χ^2/NDF:2793787.1/18

Right Out: 0.008+/-0.000 χ^2/NDF: 8542249.7/18

Left In: 0.089+/-0.000 χ^2/NDF:2316102.3/16

Left: 0.087+/-0.000 χ^2/NDF: 5125367.1/35

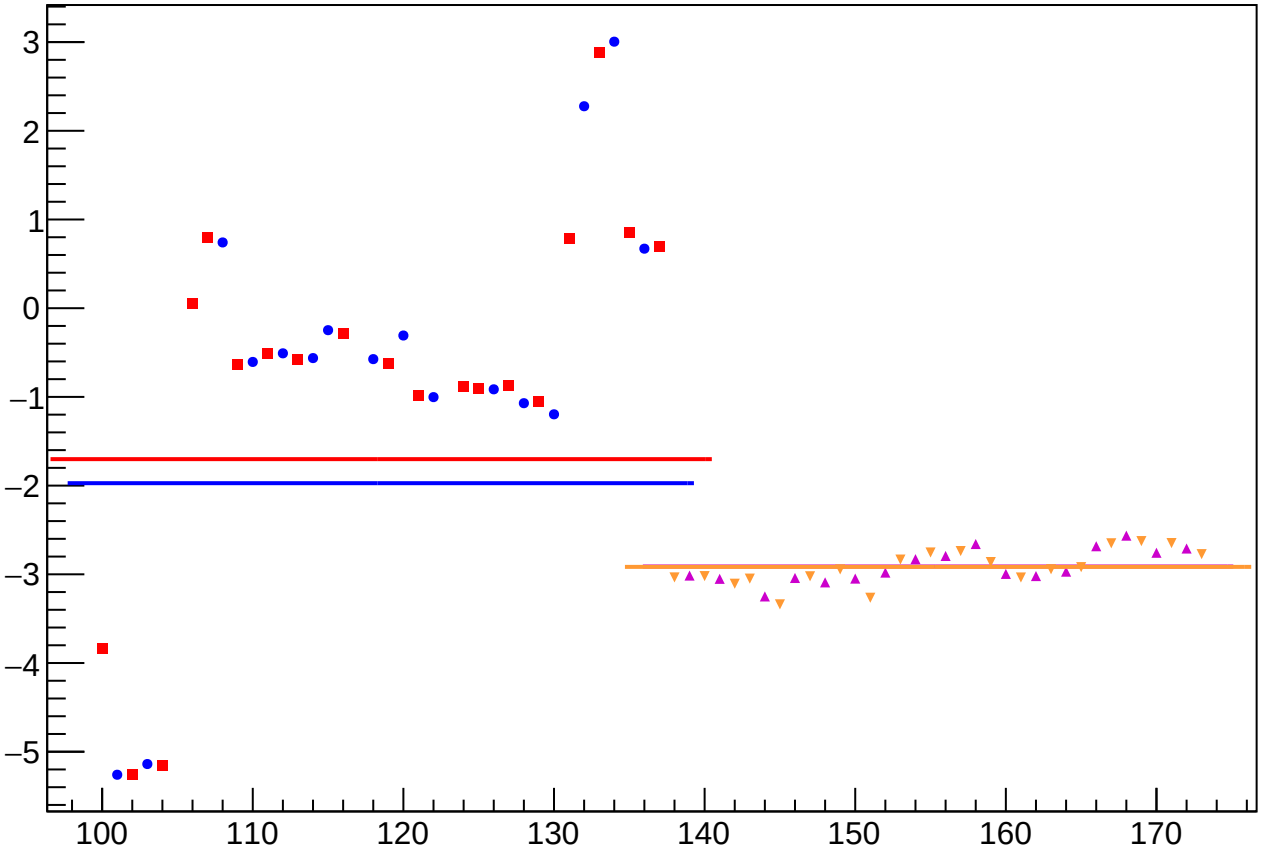
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.011+/-0.000 χ^2/NDF:27229465.1/32

Out: 0.012+/-0.000 χ^2/NDF:28984633.6/37

All: 0.012+/-0.000 χ^2/NDF: 56225378.6/70

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -2.916+/-0.000 χ^2/NDF:8834015355.2/18

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -2.912+/-0.000 χ^2/NDF:7175694158.9/16

Left: -2.914+/-0.000 χ^2/NDF: 16011762481.7/35

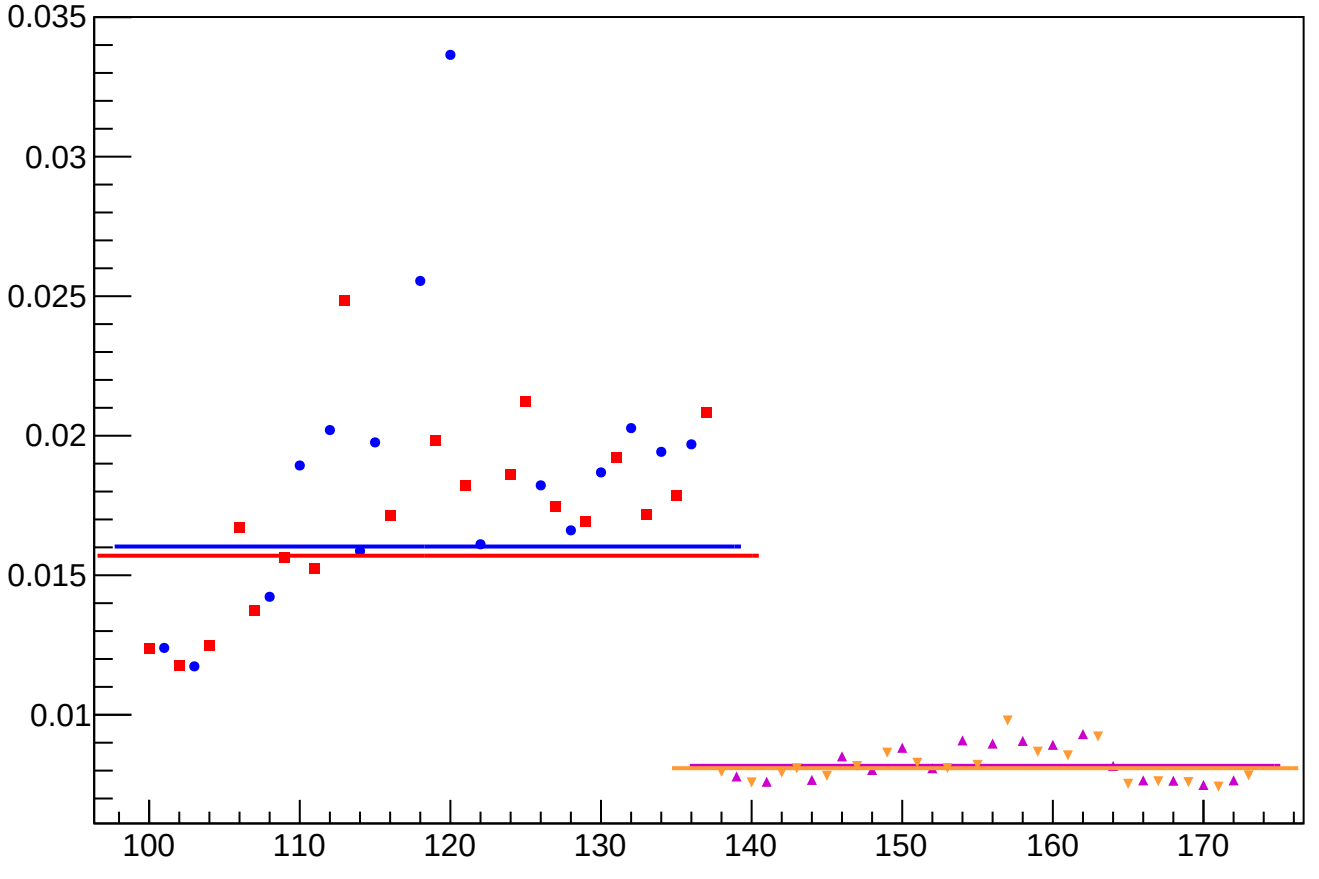
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.816+/-0.000 χ^2/NDF:187089856206.6/32

Out: -2.787+/-0.000 χ^2/NDF:211061298274.6/37

All: -2.801+/-0.000 χ^2/NDF: 398244896507.2

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:133080.8/18

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:145702.1/16

Left: 0.008+/-0.000 χ^2/NDF: 280283.8/35

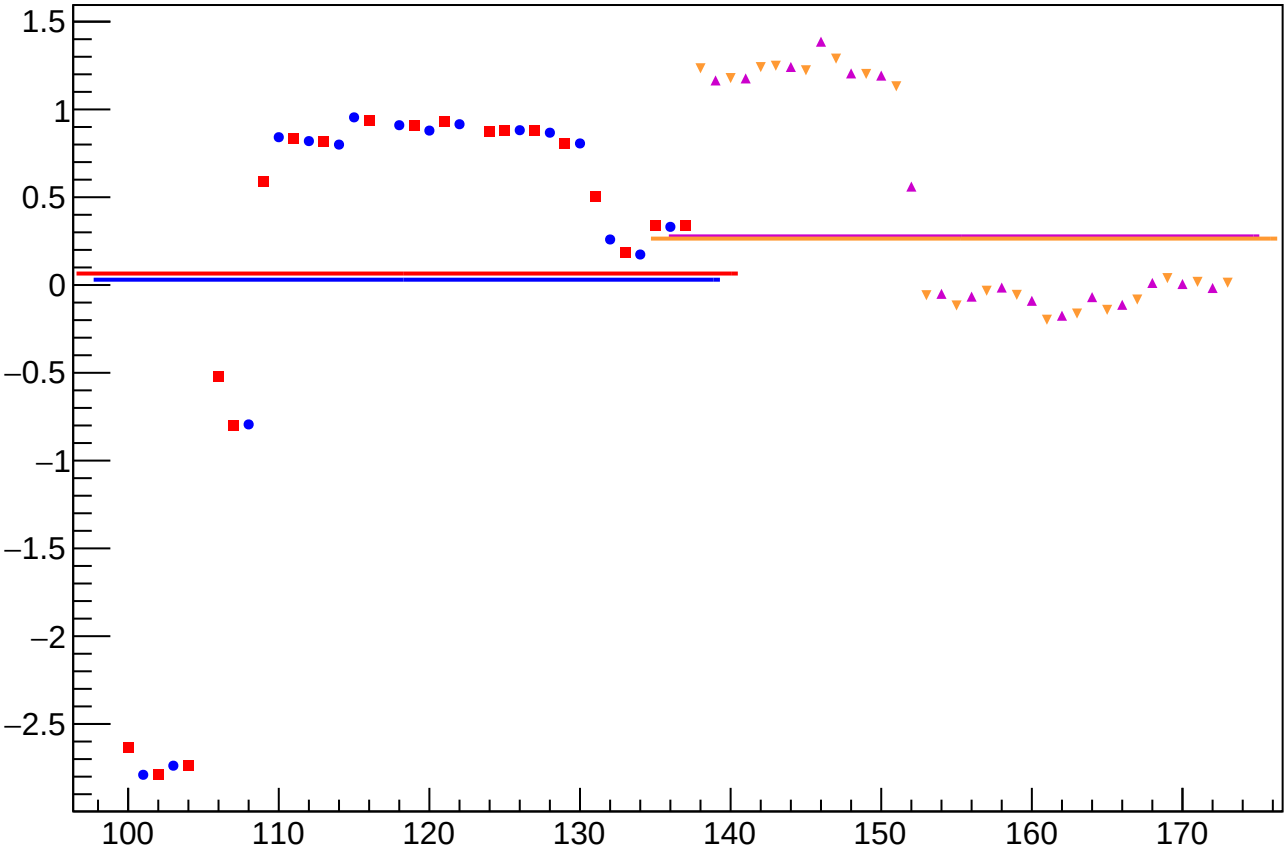
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.009+/-0.000 χ^2/NDF:3393734.0/32

Out: 0.009+/-0.000 χ^2/NDF:3315732.6/37

All: 0.009+/-0.000 χ^2/NDF: 6710964.5/70

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.264+/-0.000 χ^2/NDF:99001125361.5/18

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 0.277+/-0.000 χ^2/NDF:82013042474.5/16

Left: 0.270+/-0.000 χ^2/NDF: 181038061920.0/35

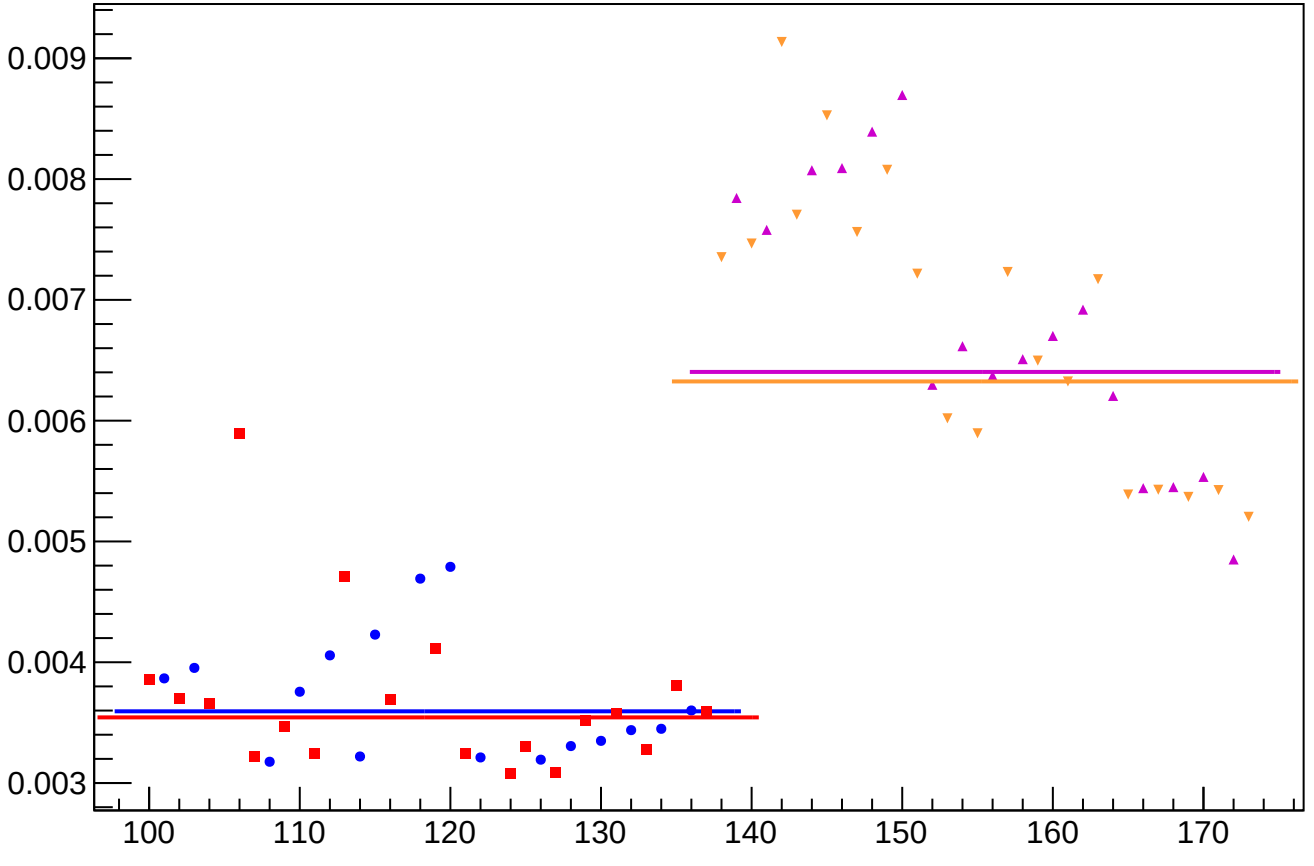
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.118+/-0.000 χ^2/NDF:944974804116.8/32

Out: 0.137+/-0.000 χ^2/NDF:1042477368215.6/37

All: 0.128+/-0.000 χ^2/NDF: 1987605402839.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 180415.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:663475.9/18

Right Out: 0.004+/-0.000 χ^2/NDF: 224729.1/18

Left In: 0.006+/-0.000 χ^2/NDF:686284.3/16

Left: 0.006+/-0.000 χ^2/NDF: 1351628.0/35

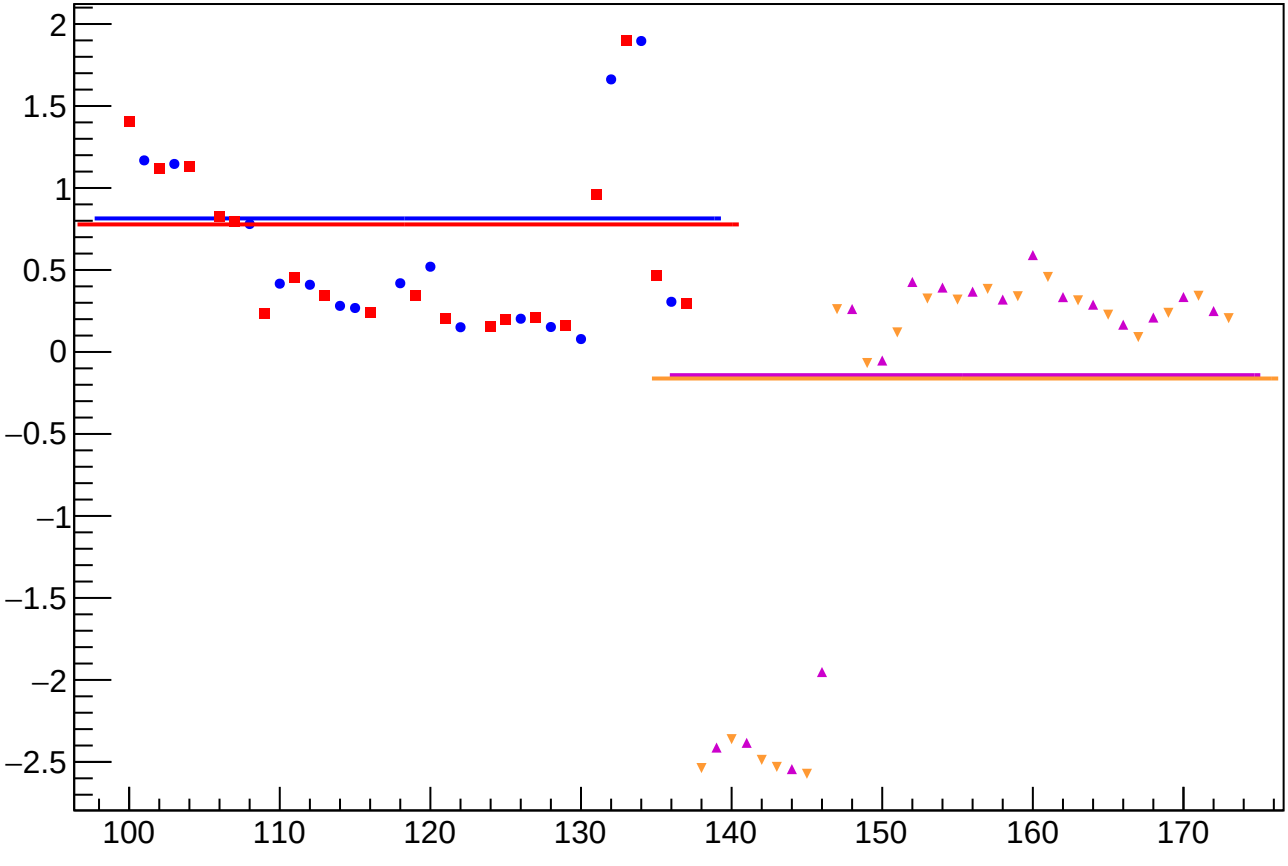
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.005+/-0.000 χ^2/NDF:3794798.7/32

Out: 0.005+/-0.000 χ^2/NDF:4012709.7/37

All: 0.005+/-0.000 χ^2/NDF: 7809344.0/70

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.162+/-0.000 χ^2/NDF:377324158615.9/18

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -0.141+/-0.000 χ^2/NDF:337714552909.5/16

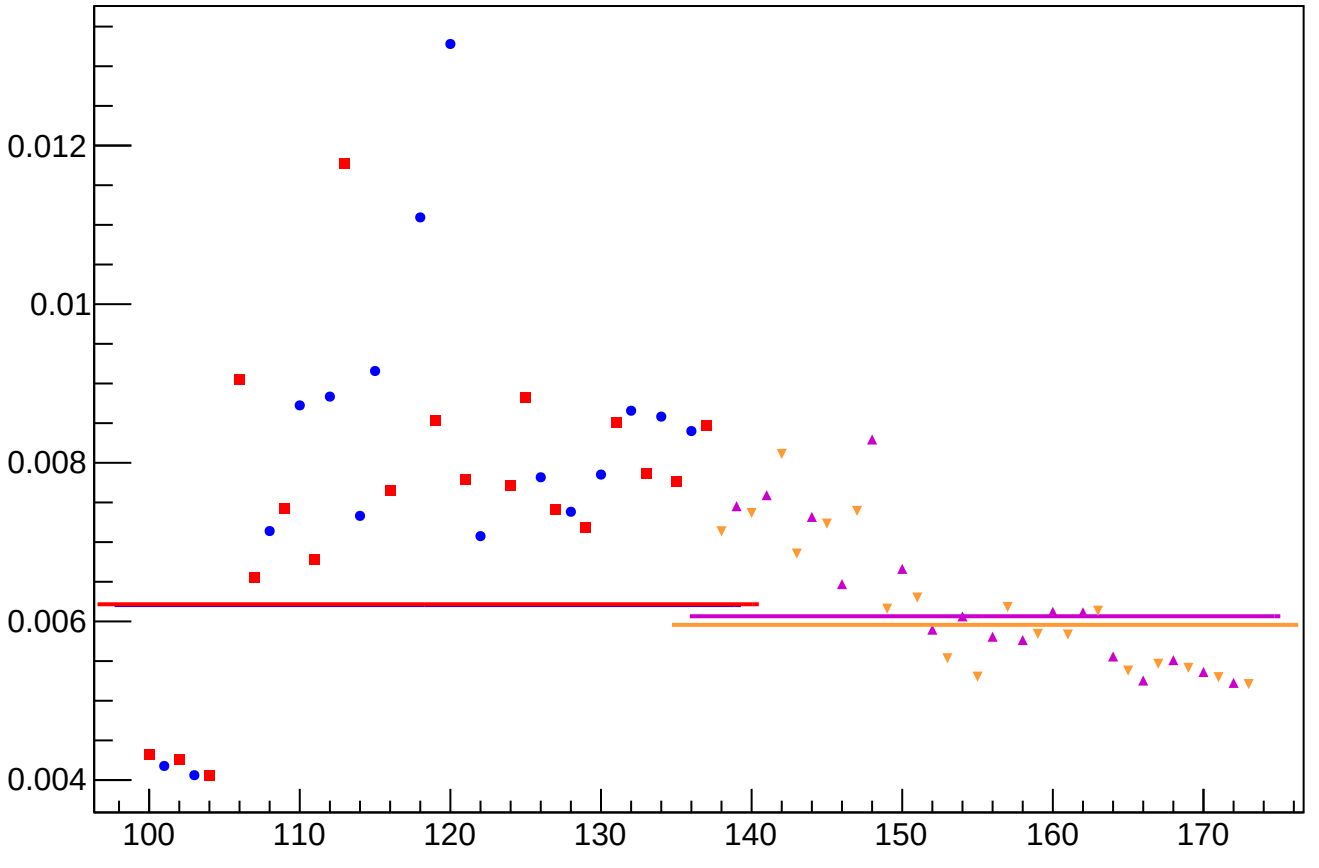
Left: -0.152+/-0.000 χ^2/NDF: 715113332337.9/35

Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.141+/-0.000 χ^2/NDF:465976256457.6/32

Out: 0.112+/-0.000 χ^2/NDF:509249739311.5/37

All: 0.126+/-0.000 χ^2/NDF: 975449277467.6



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:398874.5/18

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:413080.0/16

Left: 0.006+/-0.000 χ^2/NDF: 816184.0/35

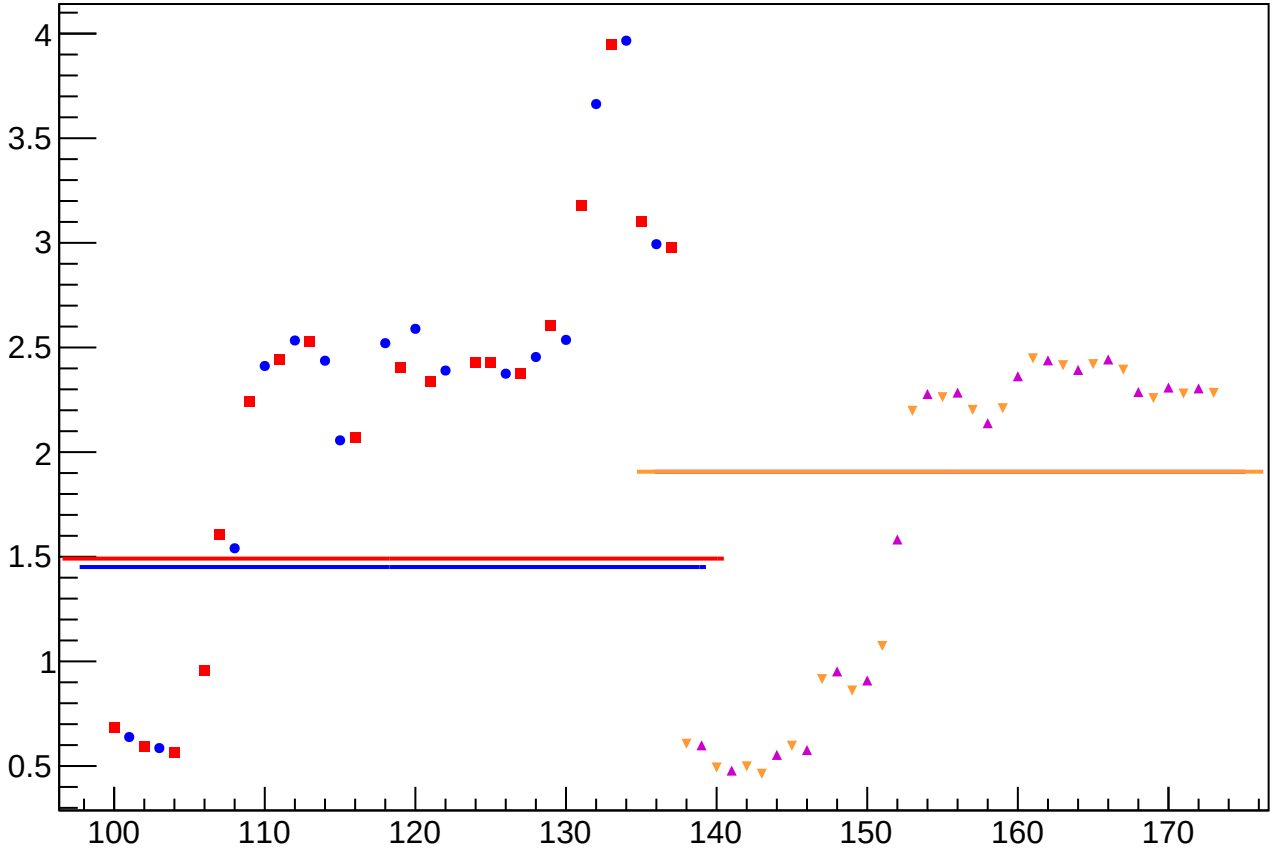
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1840998.1/32

Out: 0.006+/-0.000 χ^2/NDF:1574838.1/37

All: 0.006+/-0.000 χ^2/NDF: 3418665.2/70

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.906+/-0.000 χ^2/NDF:204383083337.6/18

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 1.906+/-0.000 χ^2/NDF:176840355433.7/16

Left: 1.906+/-0.000 χ^2/NDF: 381223476148.9/35

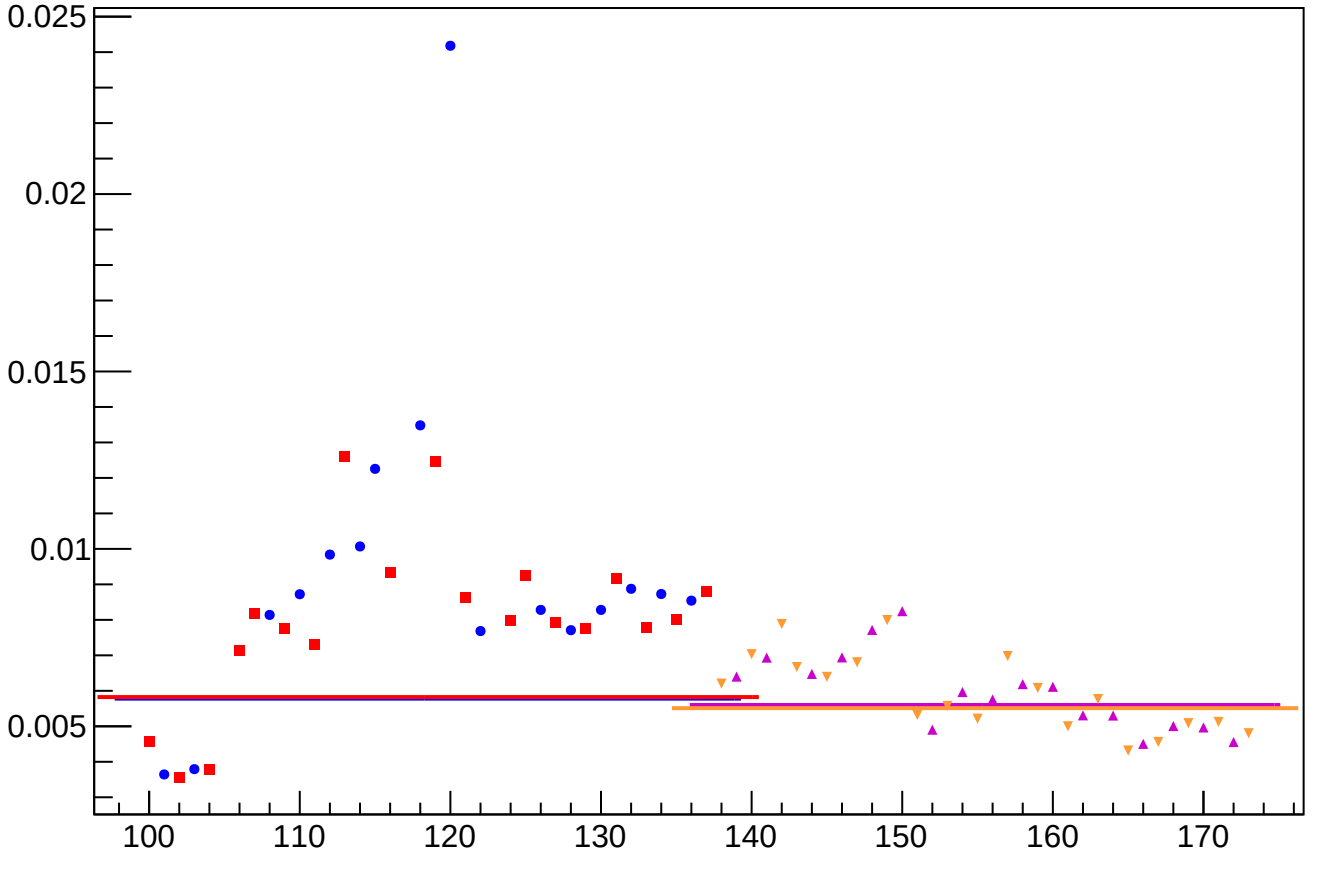
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.774+/-0.000 χ^2/NDF:368521282612.3/32

Out: 1.789+/-0.000 χ^2/NDF:411261640412.0/37

All: 1.782+/-0.000 χ^2/NDF: 779838509026.0

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:658955.7/18

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.006+/-0.000 χ^2/NDF:645492.5/16

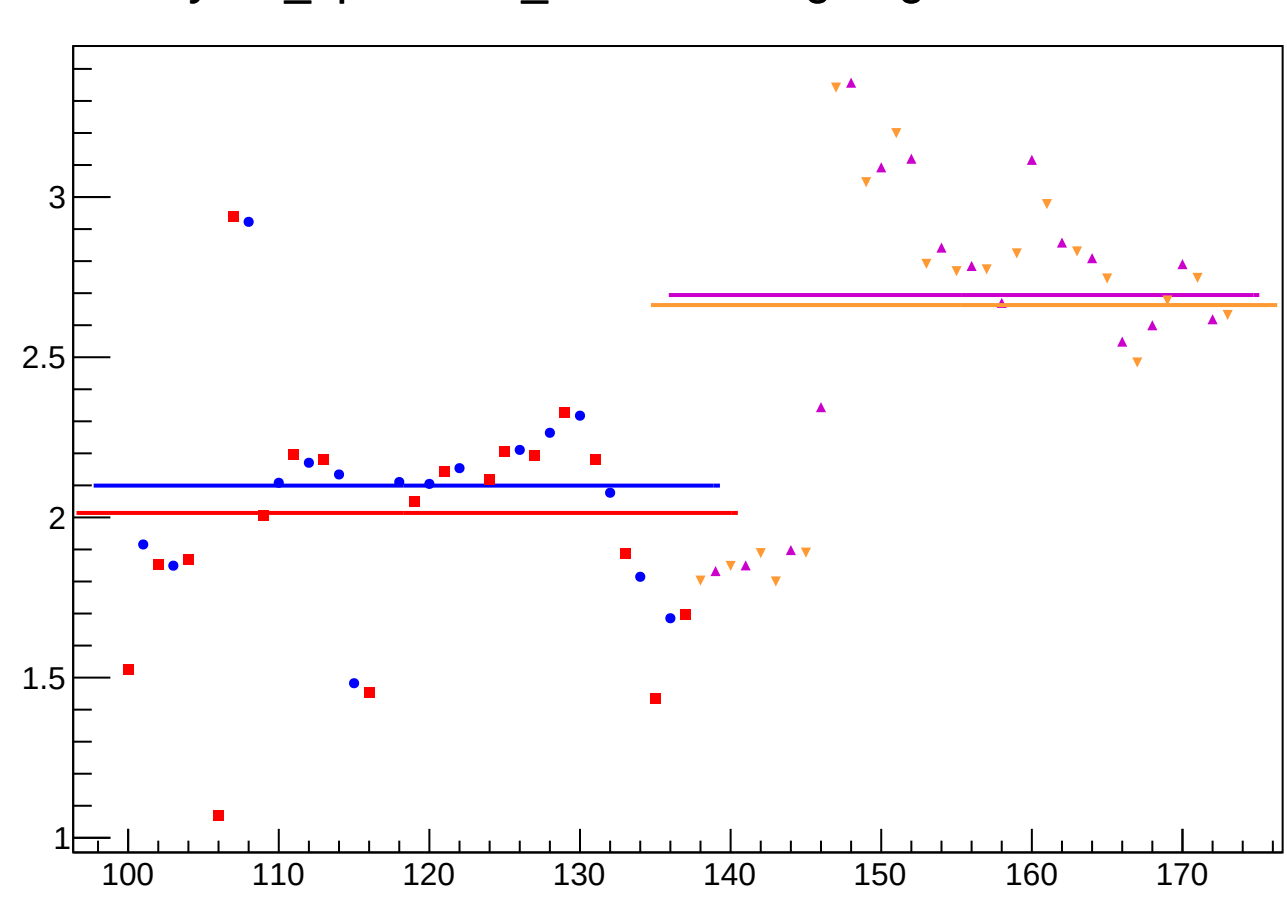
Left: 0.006+/-0.000 χ^2/NDF: 1307512.6/35

Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2866308.2/32

Out: 0.006+/-0.000 χ^2/NDF:2637318.8/37

All: 0.006+/-0.000 χ^2/NDF: 5505120.6/70



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.663+/-0.000 χ^2/NDF:43547734682.0/18

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 2.694+/-0.000 χ^2/NDF:36855110649.1/16

Left: 2.678+/-0.000 χ^2/NDF: 80515413591.0/35

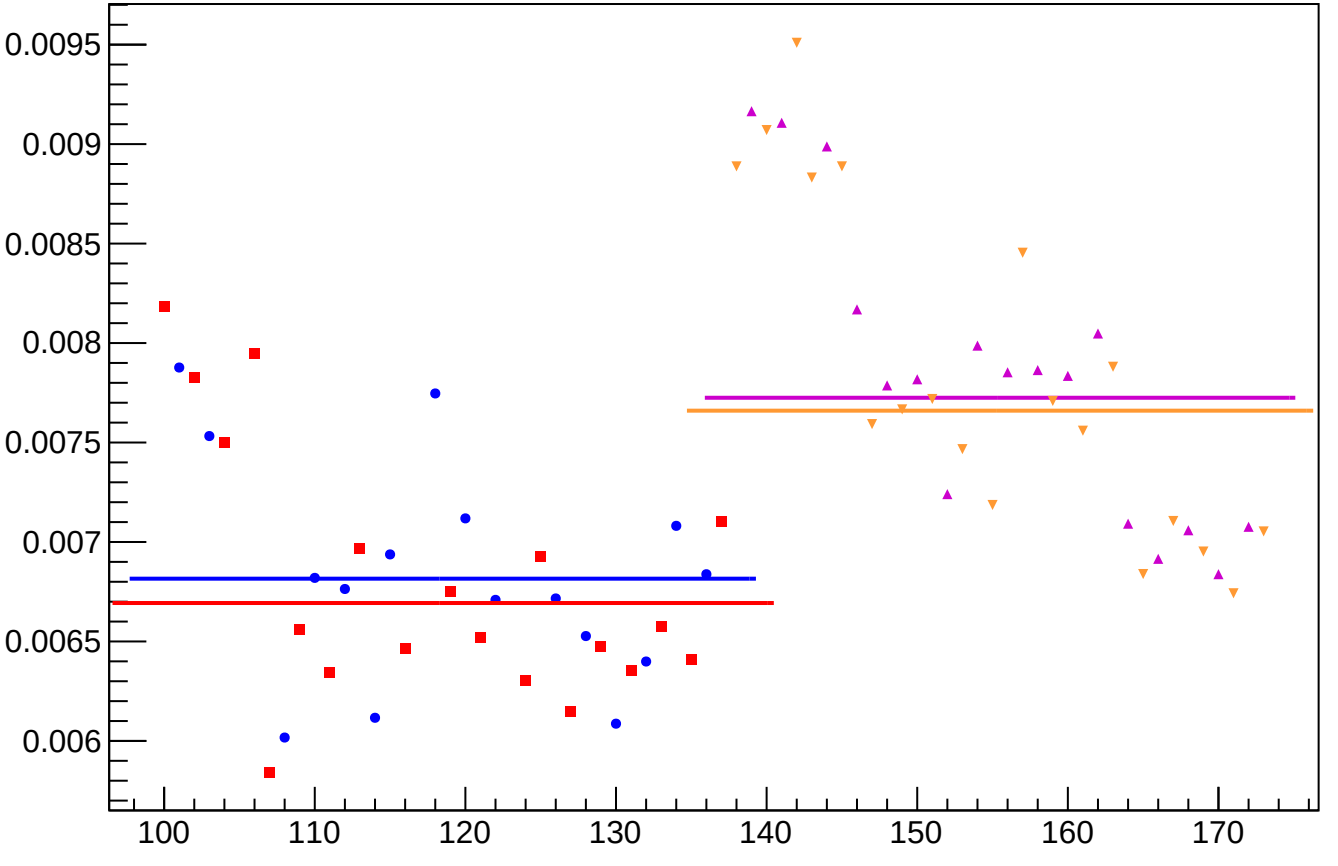
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.457+/-0.000 χ^2/NDF:82021925278.8/32

Out: 2.403+/-0.000 χ^2/NDF:103414278912.8/37

All: 2.429+/-0.000 χ^2/NDF: 185983453356.0

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:255758.6/18

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:208142.2/16

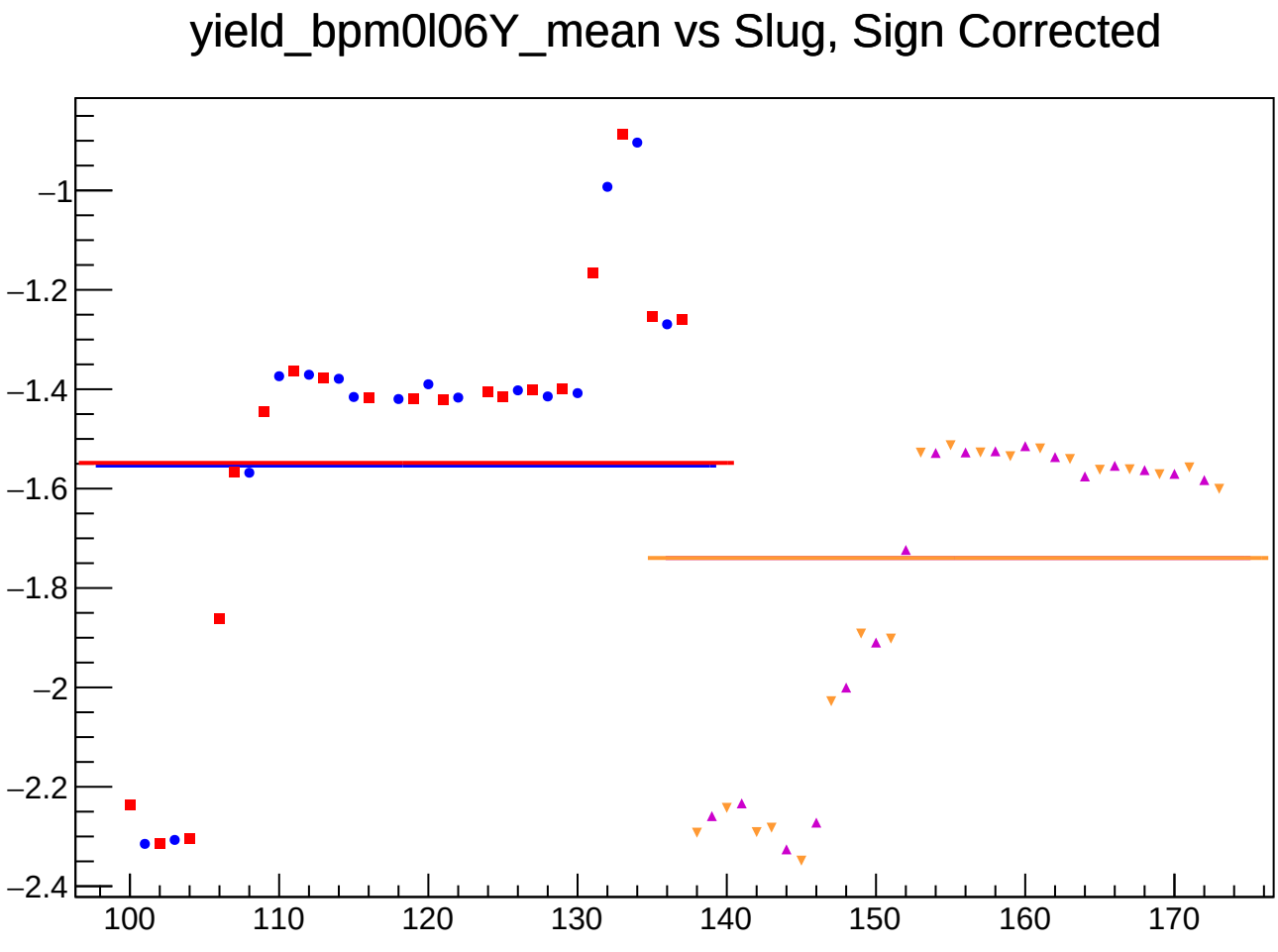
Left: 0.008+/-0.000 χ^2/NDF: 464866.7/35

Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

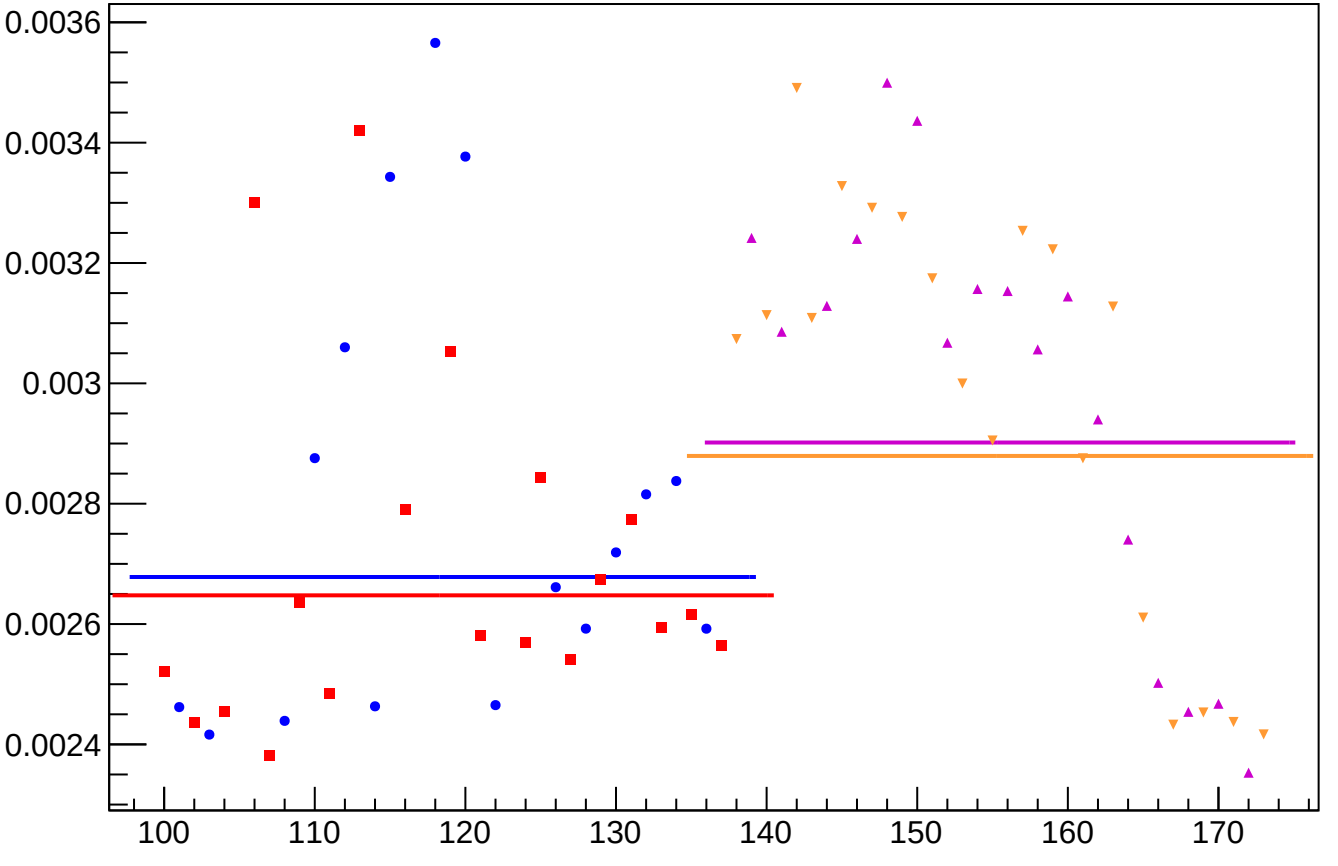
In: 0.007+/-0.000 χ^2/NDF:440947.3/32

Out: 0.007+/-0.000 χ^2/NDF:522386.8/37

All: 0.007+/-0.000 χ^2/NDF: 966344.8/70


yield_bpm0l06Y_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
−2.4
100
110
120
130
140
150
160
170
Right In: -1.554+/-0.000 χ²/NDF: 175176621986.0/15
Left Out: -1.740+/-0.000 χ²/NDF:145470799229.5/18
Right Out: -1.548+/-0.000 χ²/NDF: 174743666302.8/18
Left In: -1.740+/-0.000 χ²/NDF:130344658443.7/16
Left: -1.740+/-0.000 χ²/NDF: 275815461836.4/35
Right: -1.551+/-0.000 χ²/NDF: 349934542439.1/34
In: -1.669+/-0.000 χ²/NDF:325645254390.6/32
Out: -1.668+/-0.000 χ²/NDF:343078579527.5/37
All: -1.668+/-0.000 χ²/NDF: 668727241206.1

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:404510.3/18

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:398012.8/16

Left: 0.003+/-0.000 χ^2/NDF: 803317.1/35

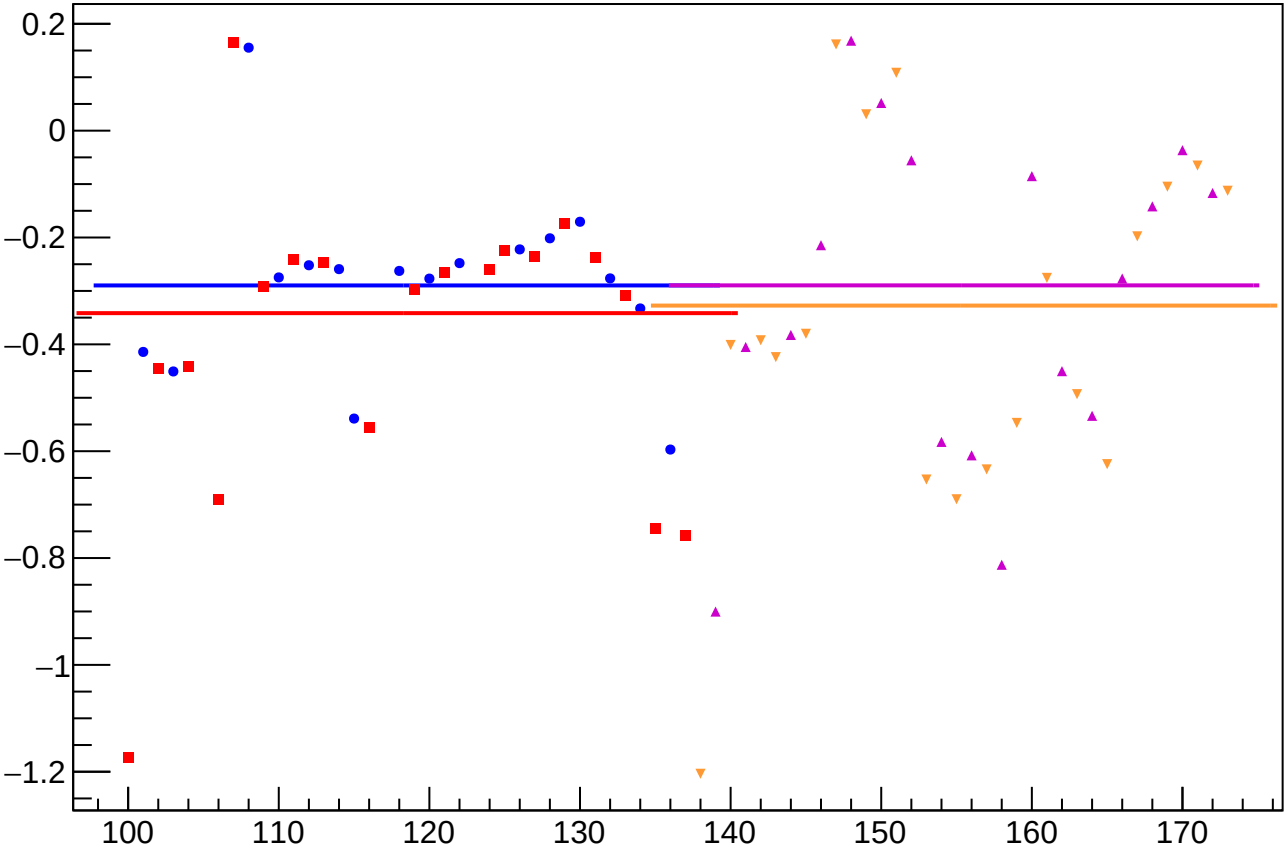
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:614001.3/32

Out: 0.003+/-0.000 χ^2/NDF:587680.4/37

All: 0.003+/-0.000 χ^2/NDF: 1203262.3/70

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.327+/-0.000 χ^2/NDF:8681860937.5/18

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.290+/-0.000 χ^2/NDF:6739836948.9/16

Left: -0.309+/-0.000 χ^2/NDF: 15480795292.6/35

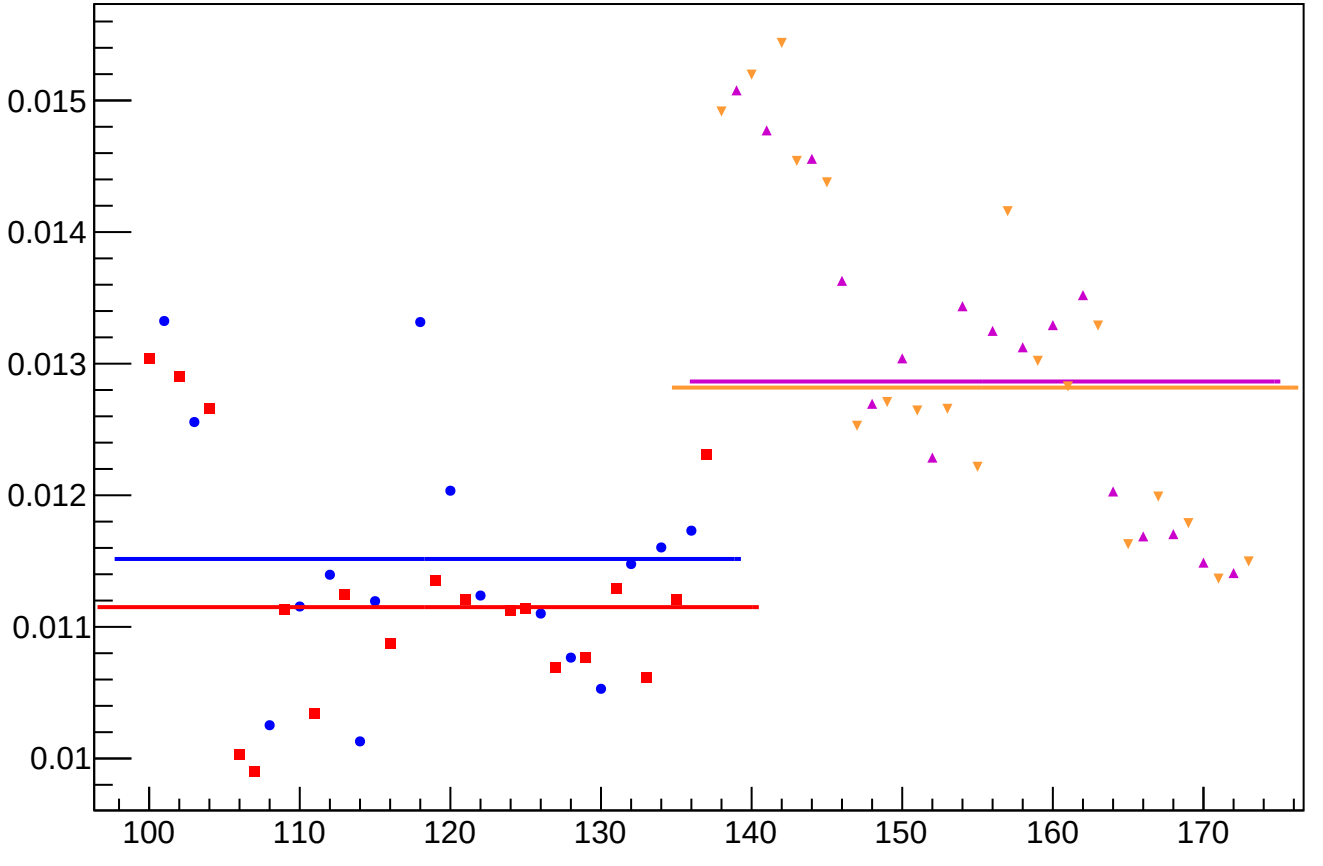
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.290+/-0.000 χ^2/NDF:8385011715.4/32

Out: -0.333+/-0.000 χ^2/NDF:11298050621.5/37

All: -0.312+/-0.000 χ^2/NDF: 19813343869.5/

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:225733.6/18

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.013+/-0.000 χ^2/NDF:185395.0/16

Left: 0.013+/-0.000 χ^2/NDF: 411305.2/35

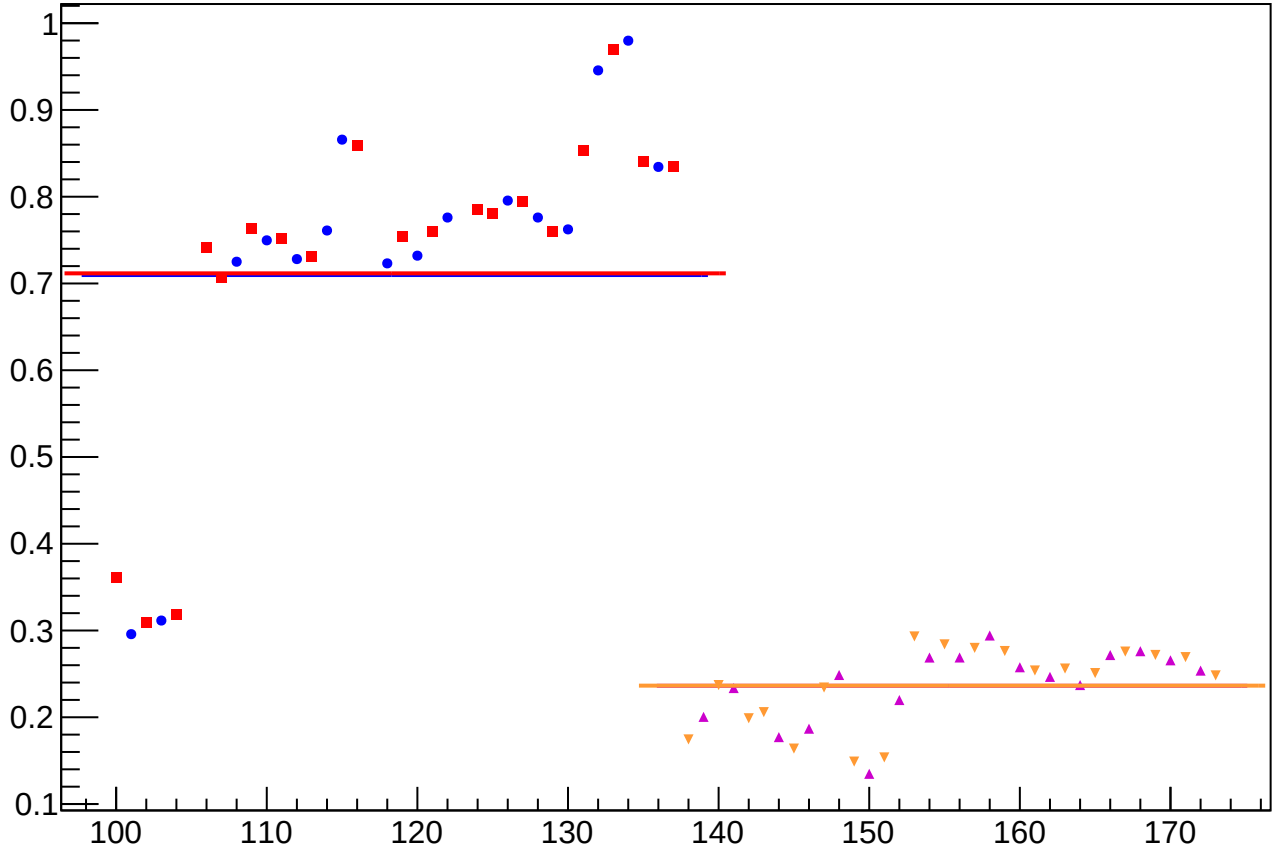
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:384237.6/32

Out: 0.012+/-0.000 χ^2/NDF:489512.8/37

All: 0.012+/-0.000 χ^2/NDF: 878635.3/70

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.236+/-0.000 χ^2/NDF:6745669621.1/18

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.236+/-0.000 χ^2/NDF:5283936691.3/16

Left: 0.236+/-0.000 χ^2/NDF: 12029673829.1/35

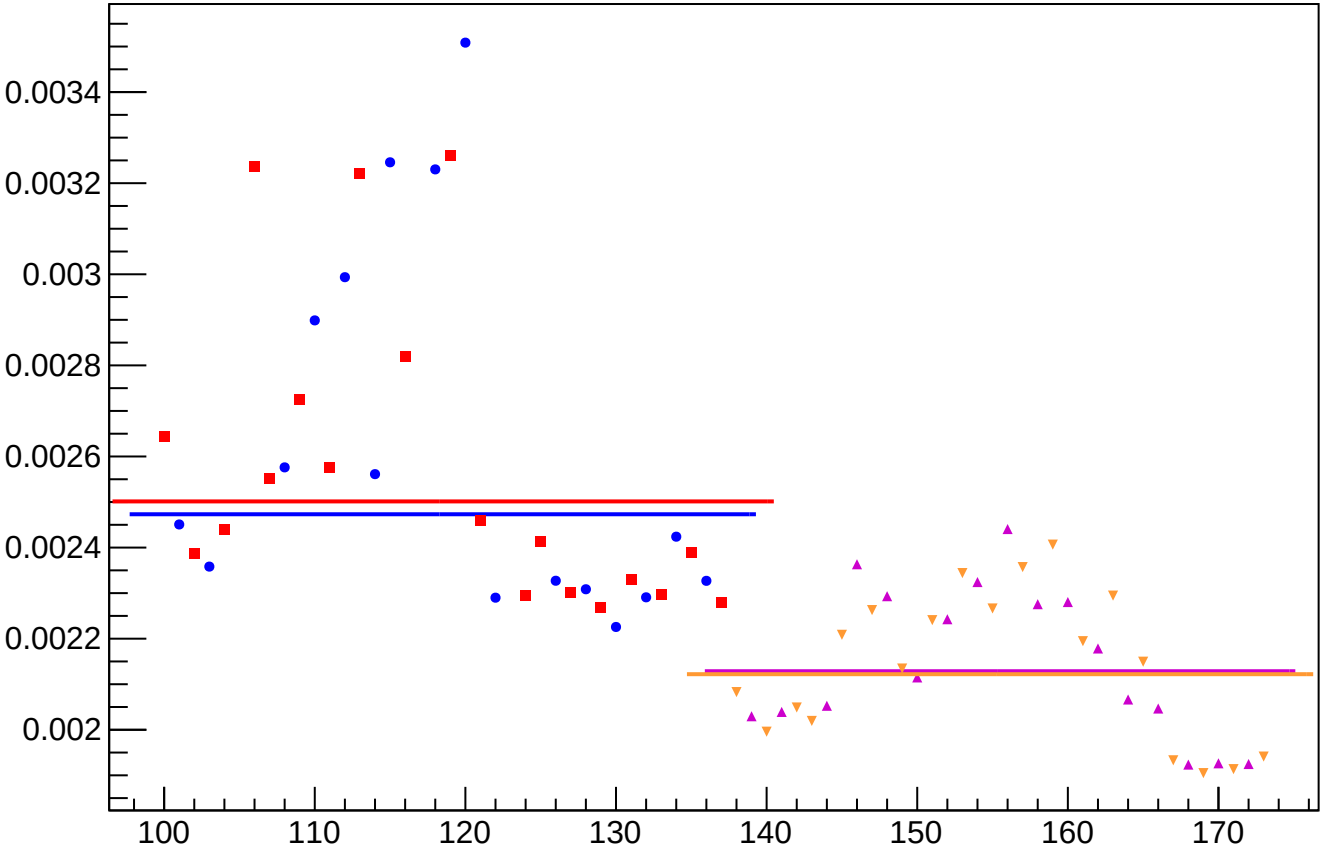
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.363+/-0.000 χ^2/NDF:237238507221.9/32

Out: 0.358+/-0.000 χ^2/NDF:240057184452.5/37

All: 0.360+/-0.000 χ^2/NDF: 477355853278.5

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 208046.5/15

Left Out: 0.002+/-0.000 χ^2/NDF:167707.8/18

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:153129.2/16

Left: 0.002+/-0.000 χ^2/NDF: 320971.8/35

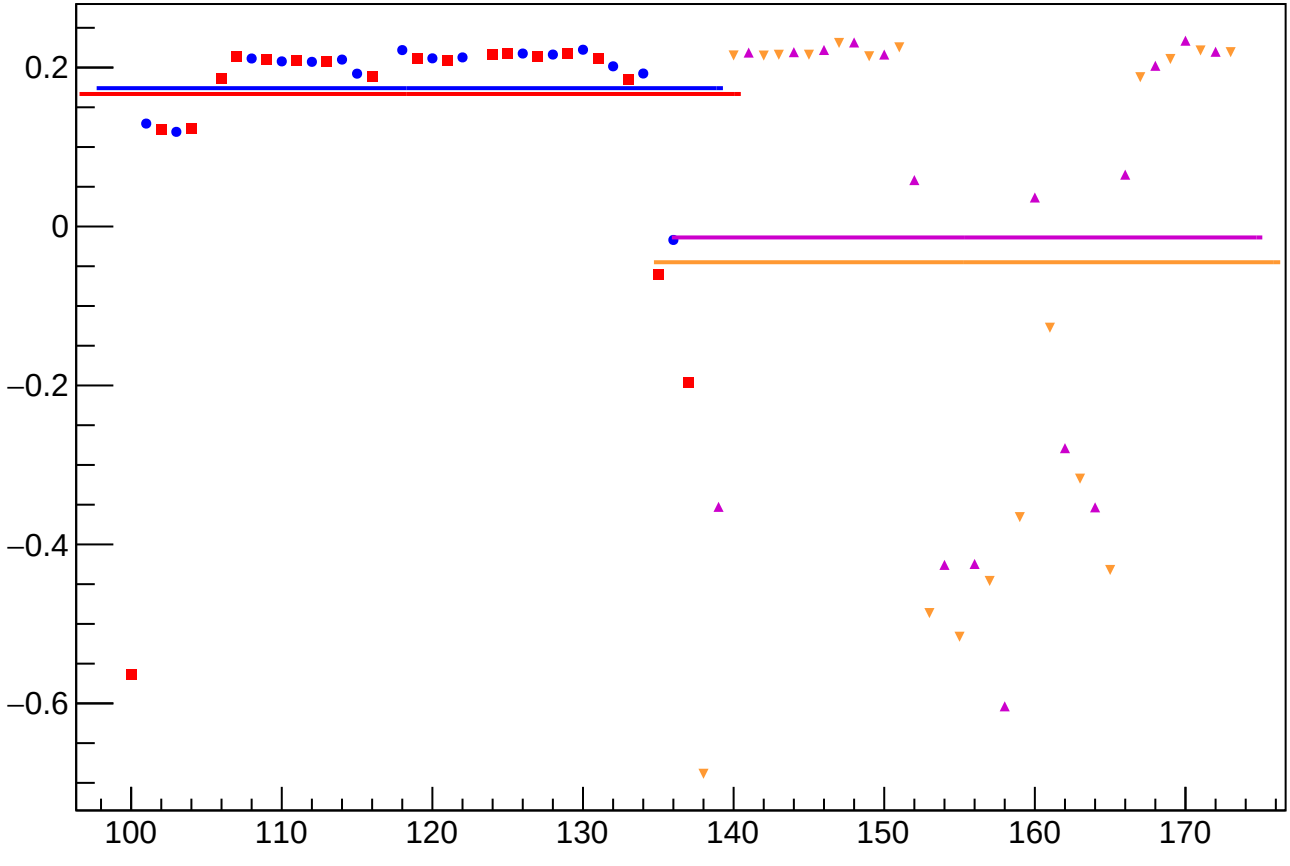
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:555066.6/32

Out: 0.002+/-0.000 χ^2/NDF:586158.4/37

All: 0.002+/-0.000 χ^2/NDF: 1141242.1/70

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.045+/-0.000 χ^2/NDF:10971985039.0/18

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: -0.014+/-0.000 χ^2/NDF:8145039802.7/16

Left: -0.030+/-0.000 χ^2/NDF: 19166023092.9/35

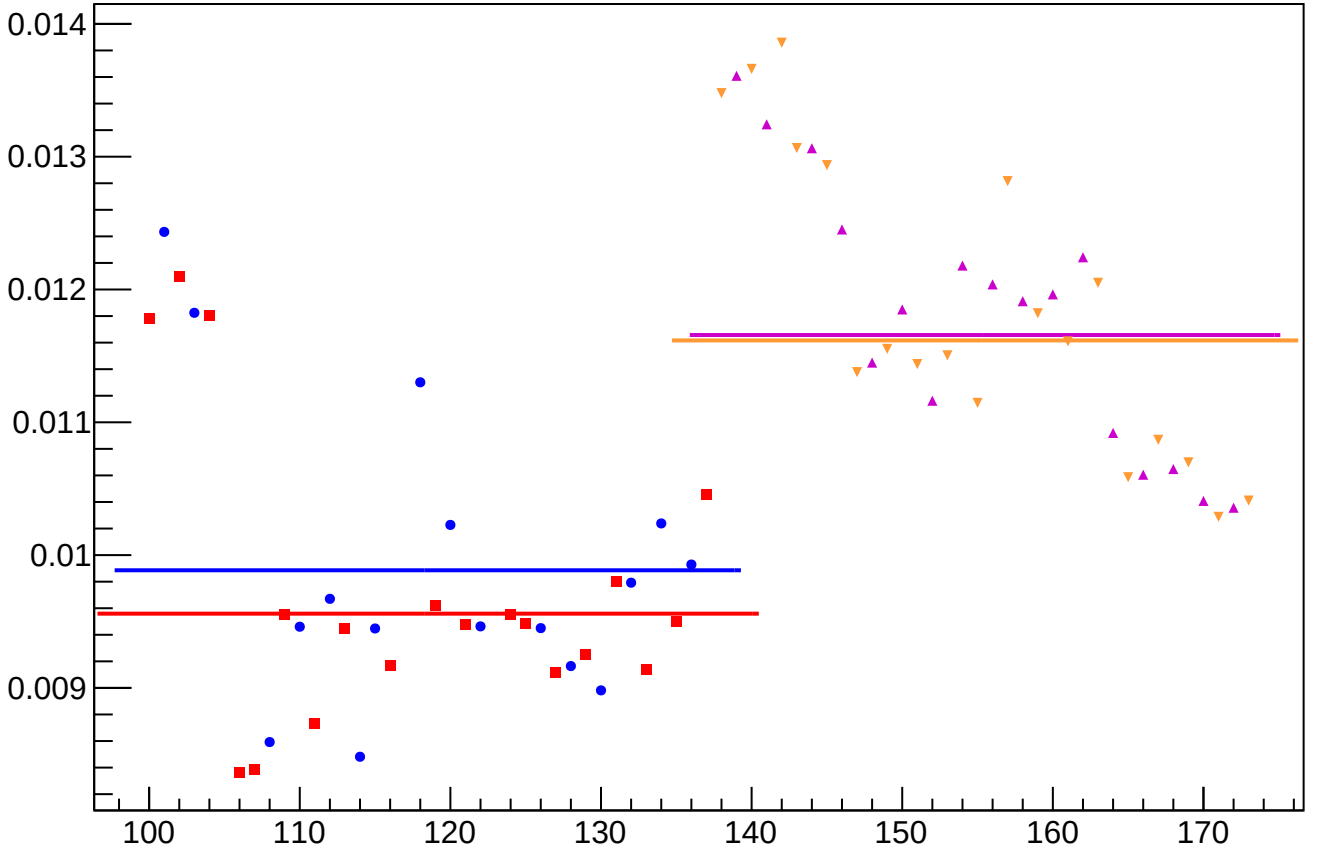
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.065+/-0.000 χ^2/NDF:9984929769.0/32

Out: 0.046+/-0.000 χ^2/NDF:13880947969.8/37

All: 0.055+/-0.000 χ^2/NDF: 23897551263.3/7

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:213034.8/18

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:175592.6/16

Left: 0.012+/-0.000 χ^2/NDF: 388794.4/35

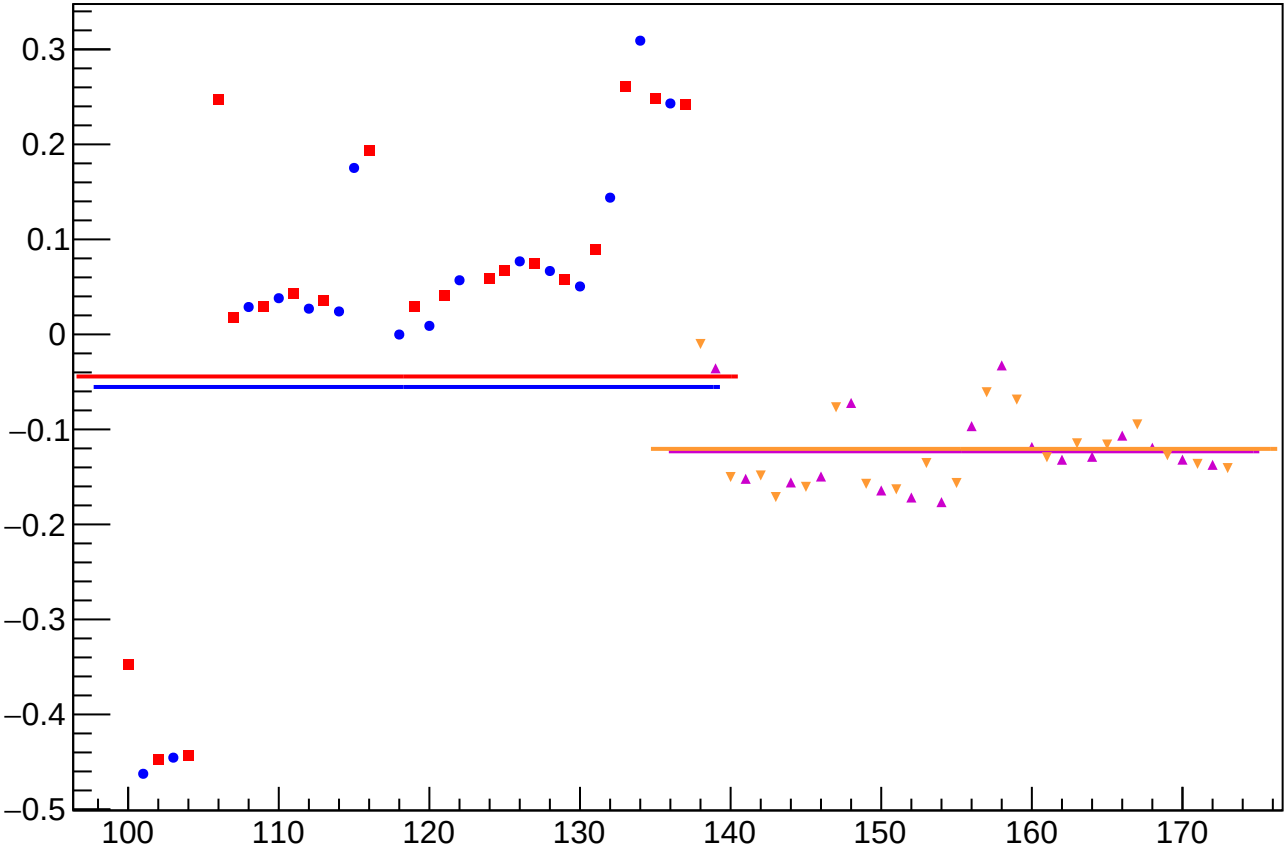
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:579972.8/32

Out: 0.011+/-0.000 χ^2/NDF:729871.7/37

All: 0.011+/-0.000 χ^2/NDF: 1315611.5/70

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:2900573790.3/18

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.123+/-0.000 χ^2/NDF:2797952887.3/16

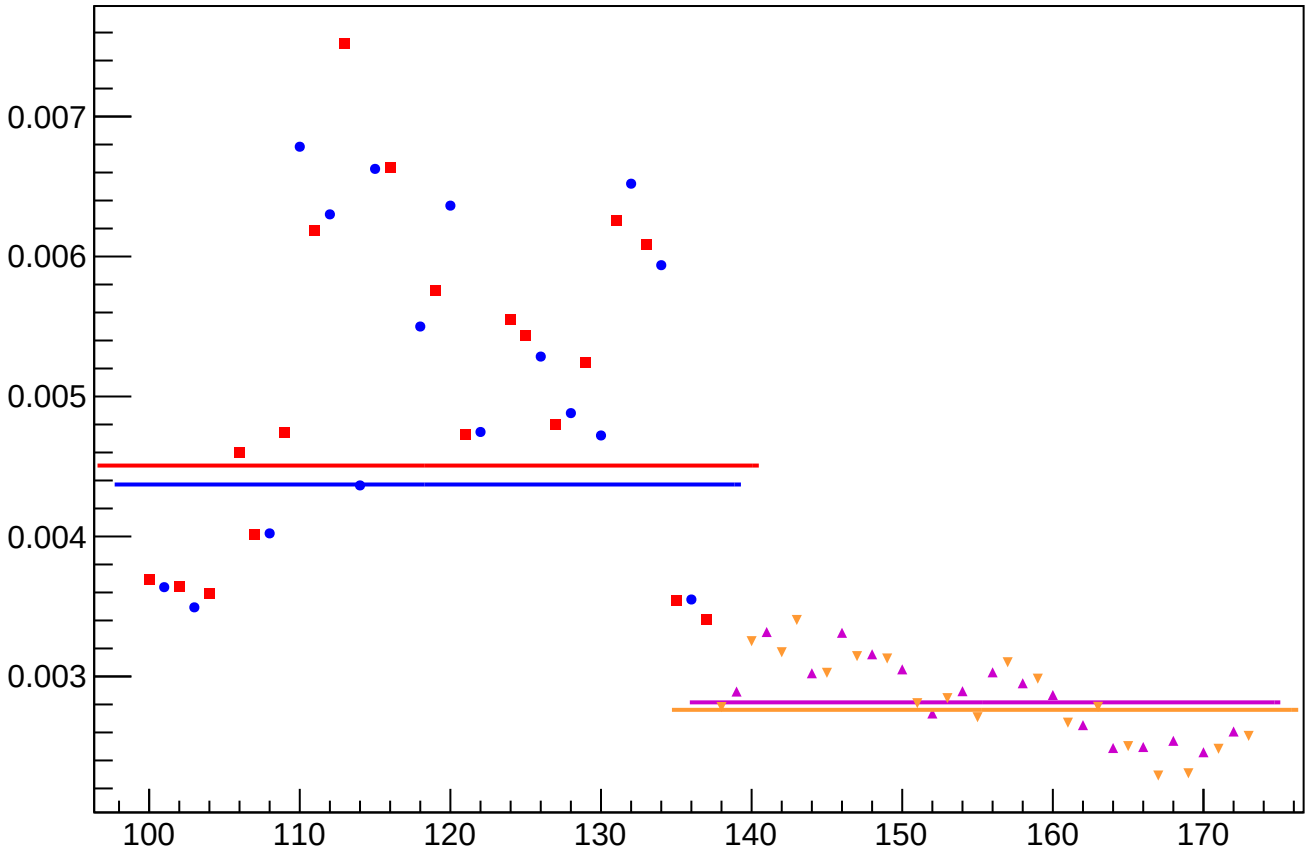
Left: -0.122+/-0.000 χ^2/NDF: 5704280900.0/35

Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.112+/-0.000 χ^2/NDF:28108865743.8/32

Out: -0.109+/-0.000 χ^2/NDF:26599308612.8/37

All: -0.111+/-0.000 χ^2/NDF: 54715877857.8/



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:358136.5/18

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:232066.3/16

Left: 0.003+/-0.000 χ^2/NDF: 595228.4/35

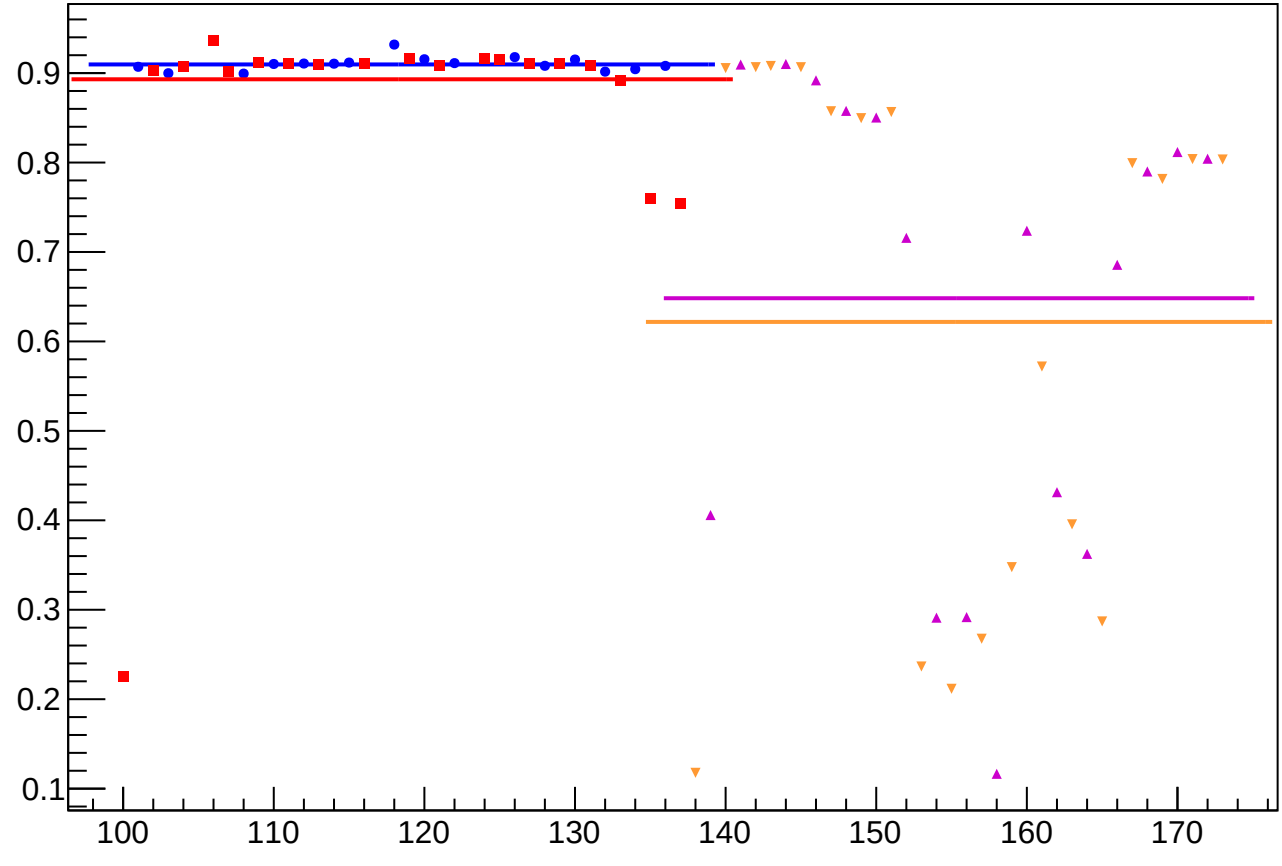
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:2191098.2/32

Out: 0.003+/-0.000 χ^2/NDF:2701687.4/37

All: 0.003+/-0.000 χ^2/NDF: 4898094.5/70

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.622+/-0.000 χ^2/NDF:8426993510.4/18

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.648+/-0.000 χ^2/NDF:6443802126.3/16

Left: 0.635+/-0.000 χ^2/NDF: 14908116918.1/35

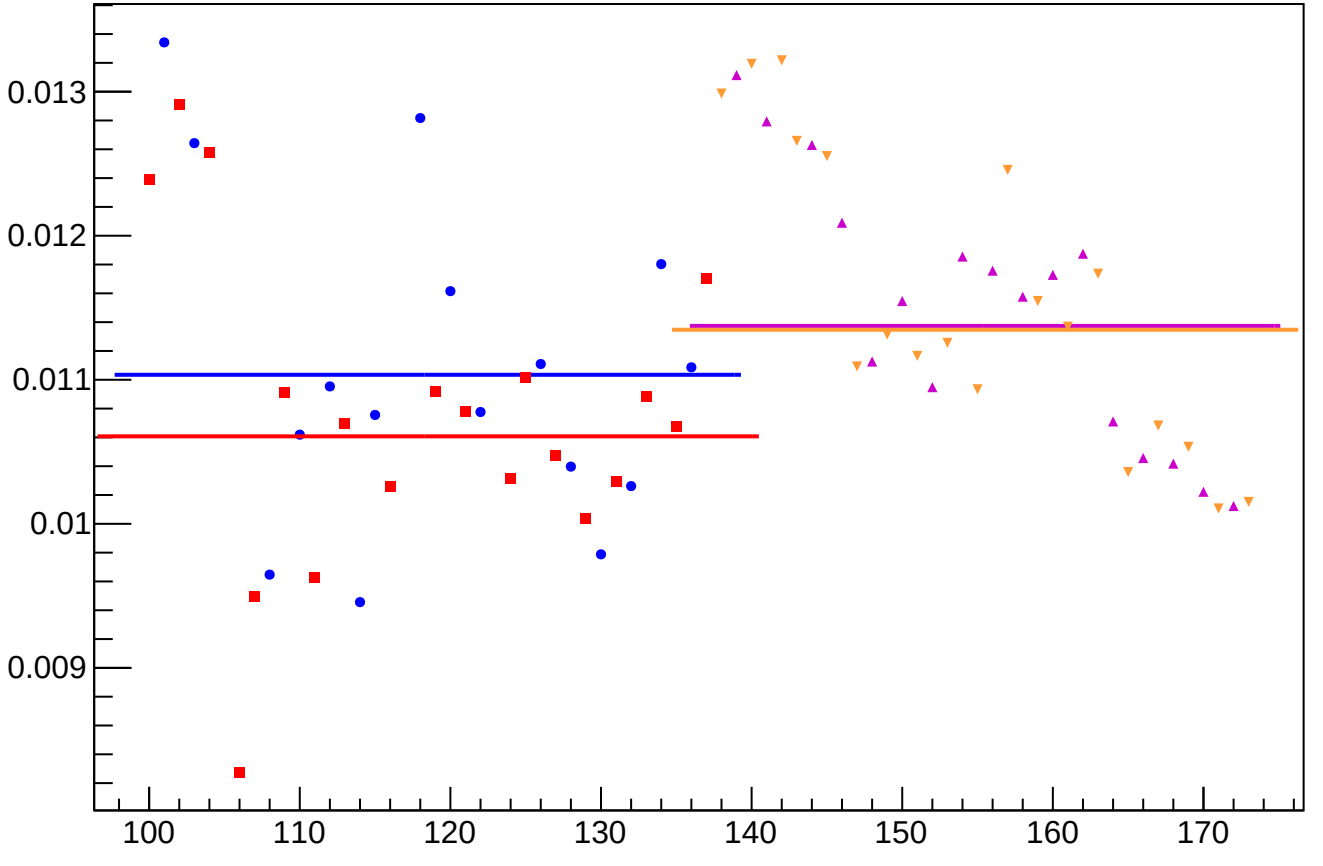
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.741+/-0.000 χ^2/NDF:8935502542.0/32

Out: 0.721+/-0.000 χ^2/NDF:11737774632.7/37

All: 0.731+/-0.000 χ^2/NDF: 20704963029.9/7

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:188802.2/18

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.011+/-0.000 χ^2/NDF:155737.0/16

Left: 0.011+/-0.000 χ^2/NDF: 344614.3/35

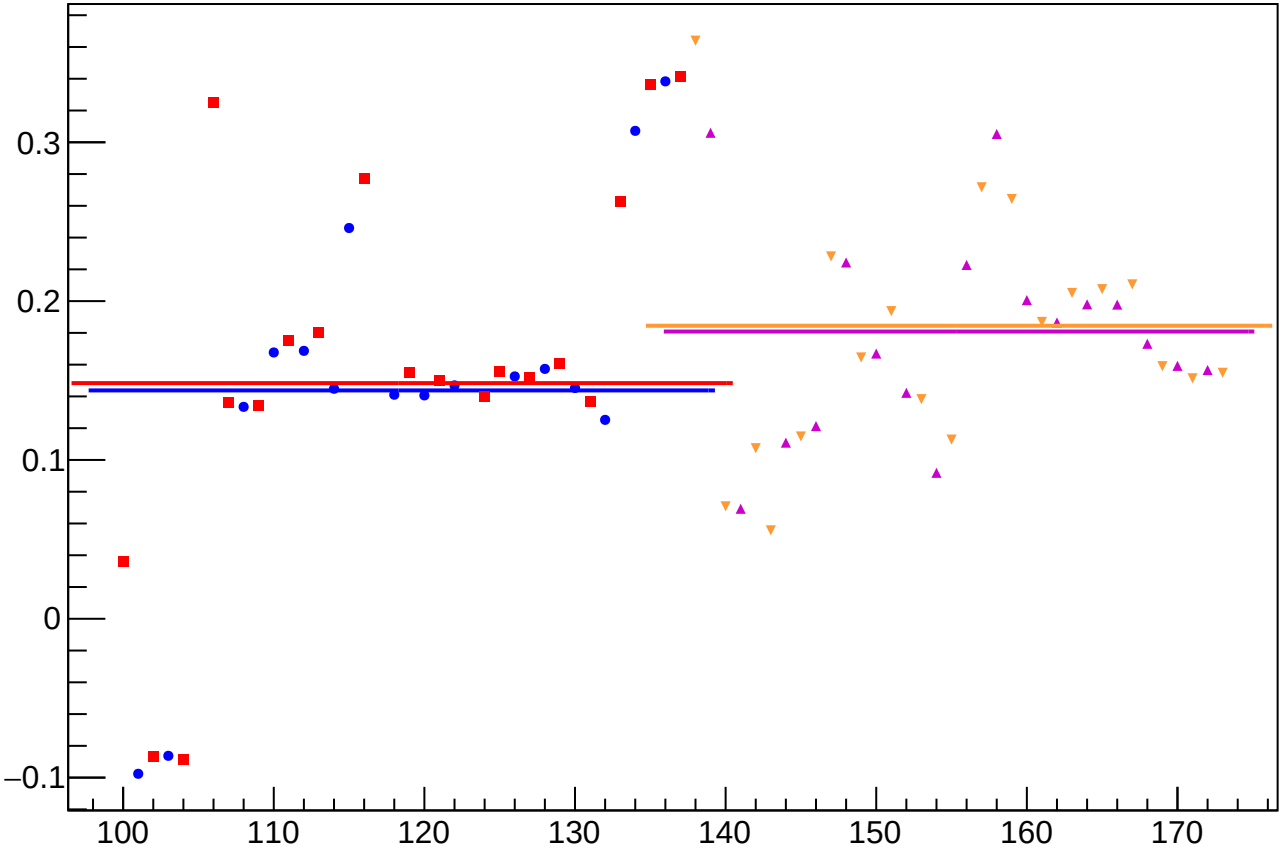
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:294474.1/32

Out: 0.011+/-0.000 χ^2/NDF:377152.7/37

All: 0.011+/-0.000 χ^2/NDF: 676900.6/70

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.185+/-0.000 χ^2/NDF:6312884035.2/18

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.181+/-0.000 χ^2/NDF:4552131107.3/16

Left: 0.183+/-0.000 χ^2/NDF: 10874427294.0/35

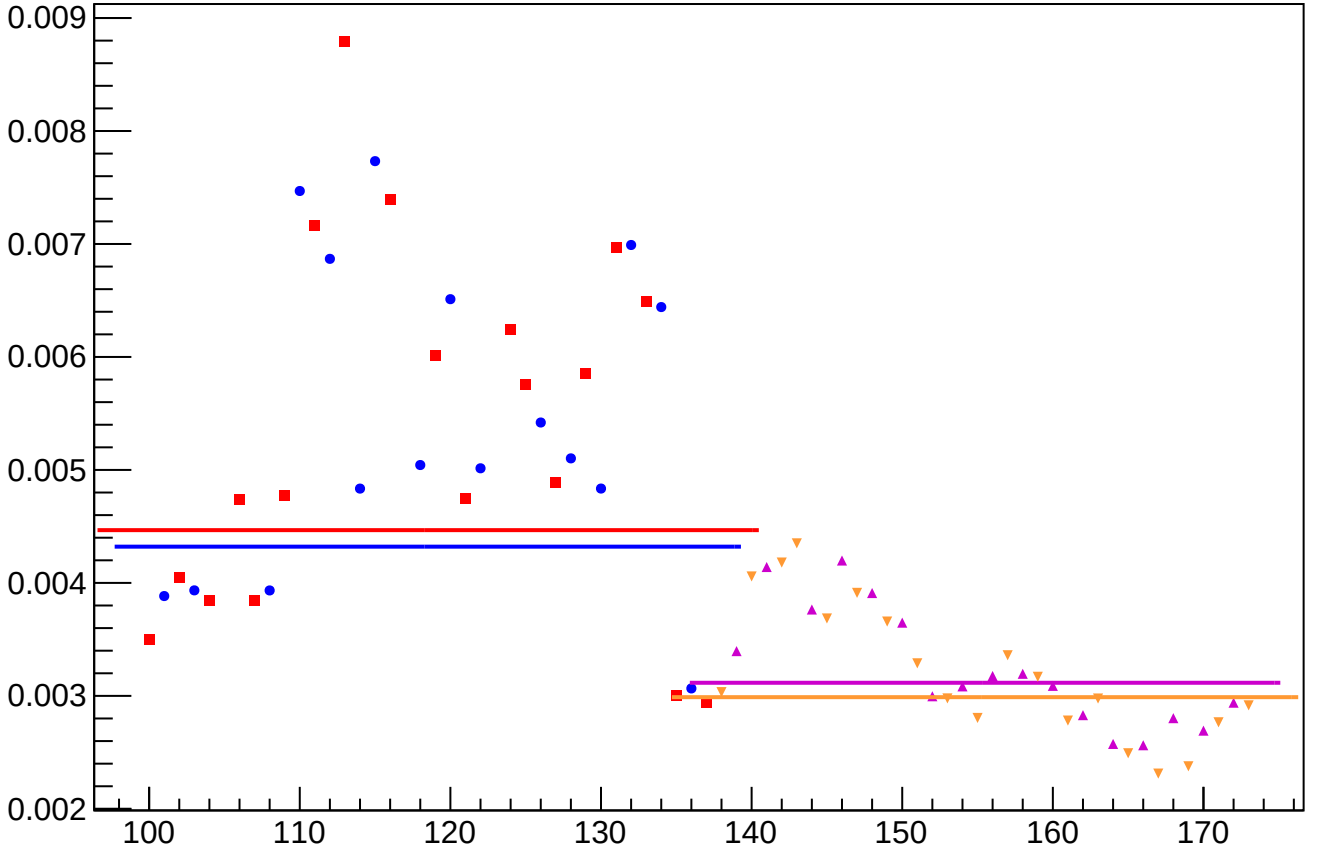
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.174+/-0.000 χ^2/NDF:12760820946.6/32

Out: 0.179+/-0.000 χ^2/NDF:13766151517.4/37

All: 0.176+/-0.000 χ^2/NDF: 26546568694.4/7

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:839582.7/18

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:535944.0/16

Left: 0.003+/-0.000 χ^2/NDF: 1398401.1/35

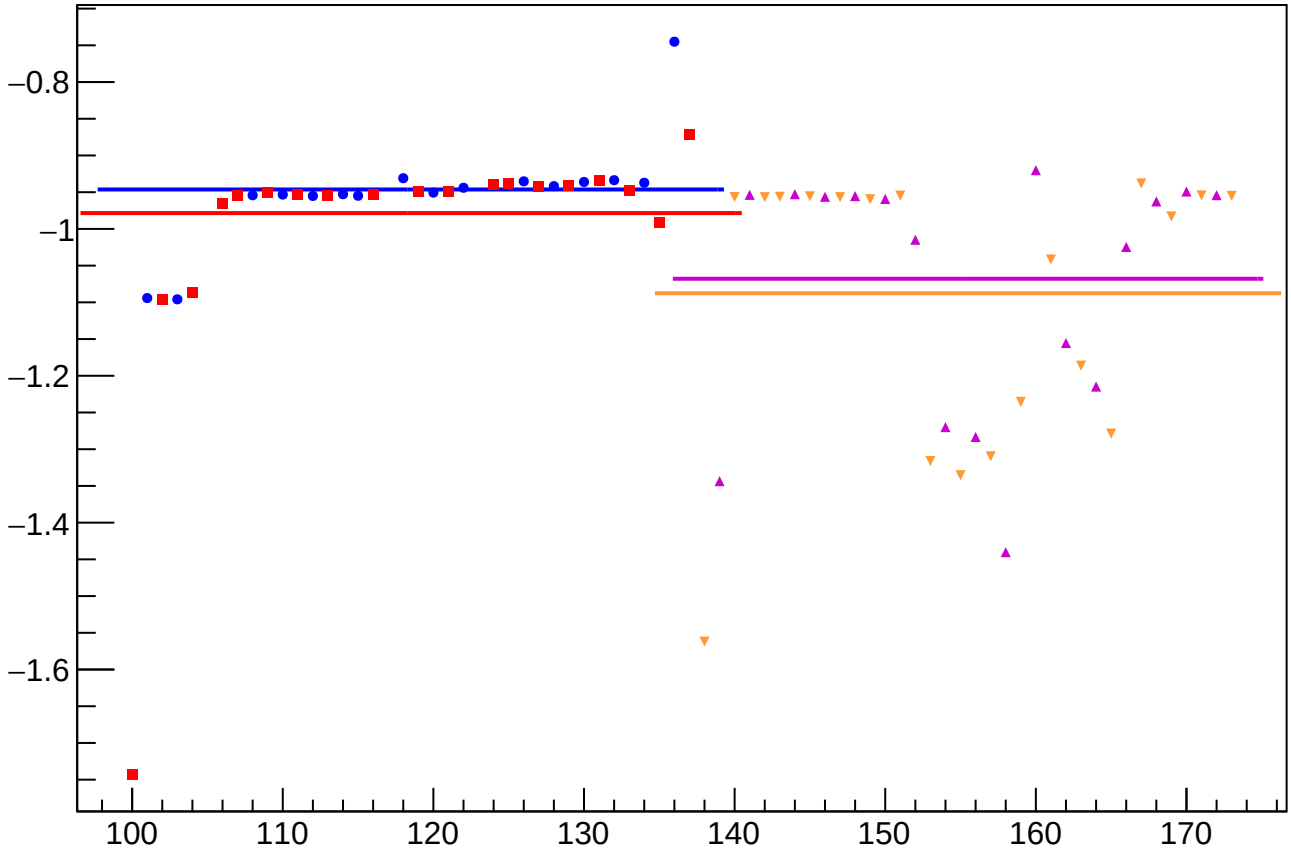
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.003+/-0.000 χ^2/NDF:2135676.3/32

Out: 0.003+/-0.000 χ^2/NDF:3013101.6/37

All: 0.003+/-0.000 χ^2/NDF: 5171182.1/70

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.088+/-0.000 χ^2/NDF:4385961418.8/18

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.068+/-0.000 χ^2/NDF:3426197307.2/16

Left: -1.078+/-0.000 χ^2/NDF: 7838264768.2/35

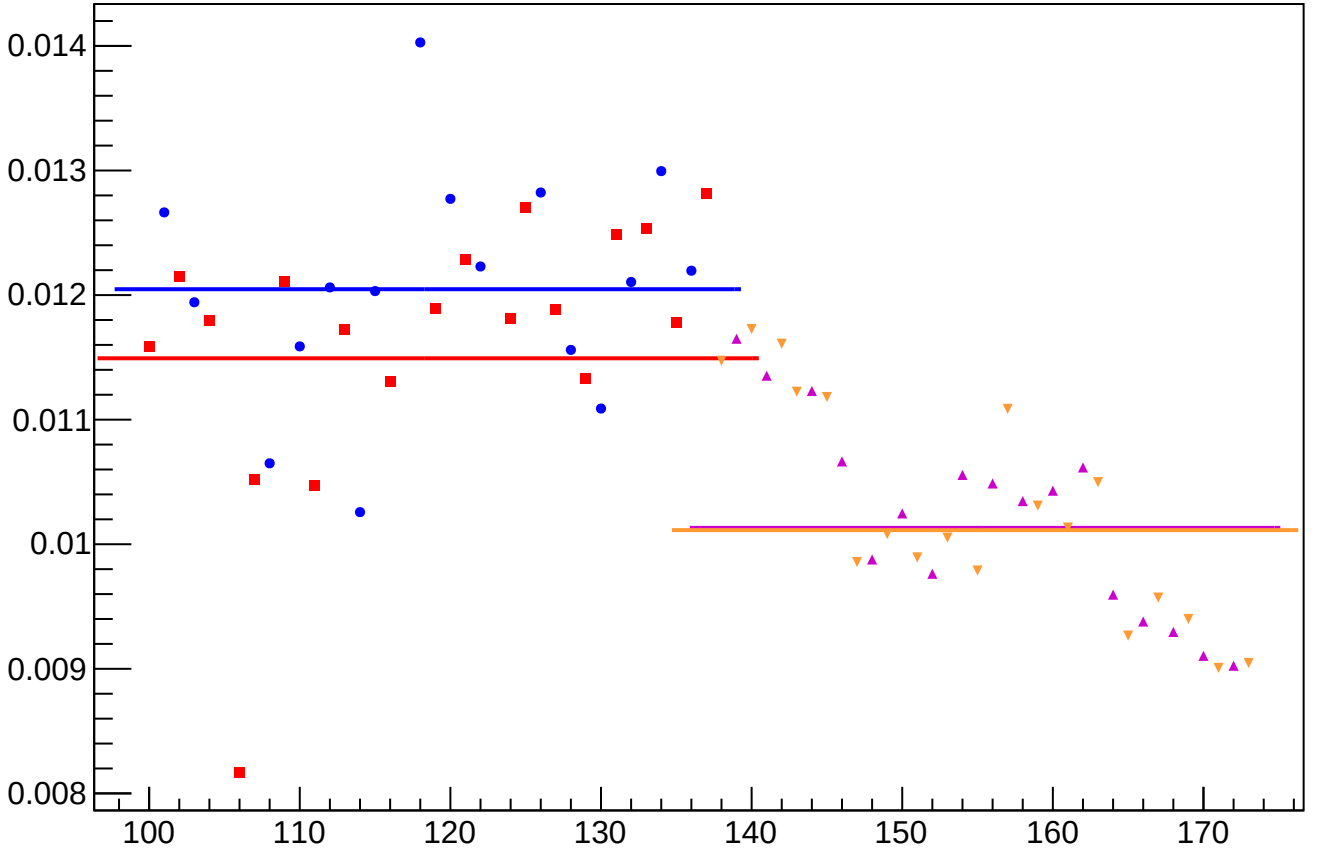
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -1.036+/-0.000 χ^2/NDF:4344221768.0/32

Out: -1.057+/-0.000 χ^2/NDF:5312272038.3/37

All: -1.047+/-0.000 χ^2/NDF: 9699635986.1/7

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:180179.0/18

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:149787.5/16

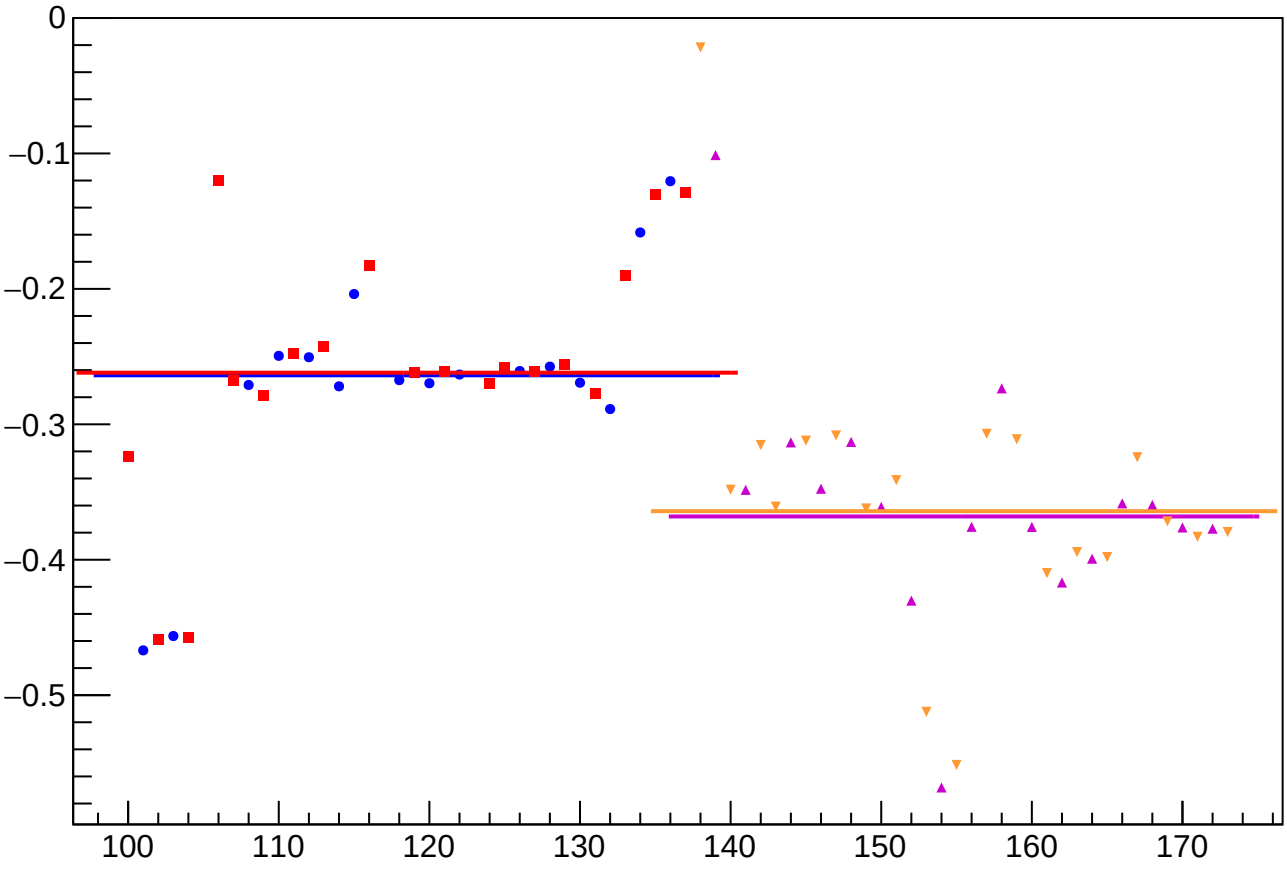
Left: 0.010+/-0.000 χ^2/NDF: 330010.7/35

Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

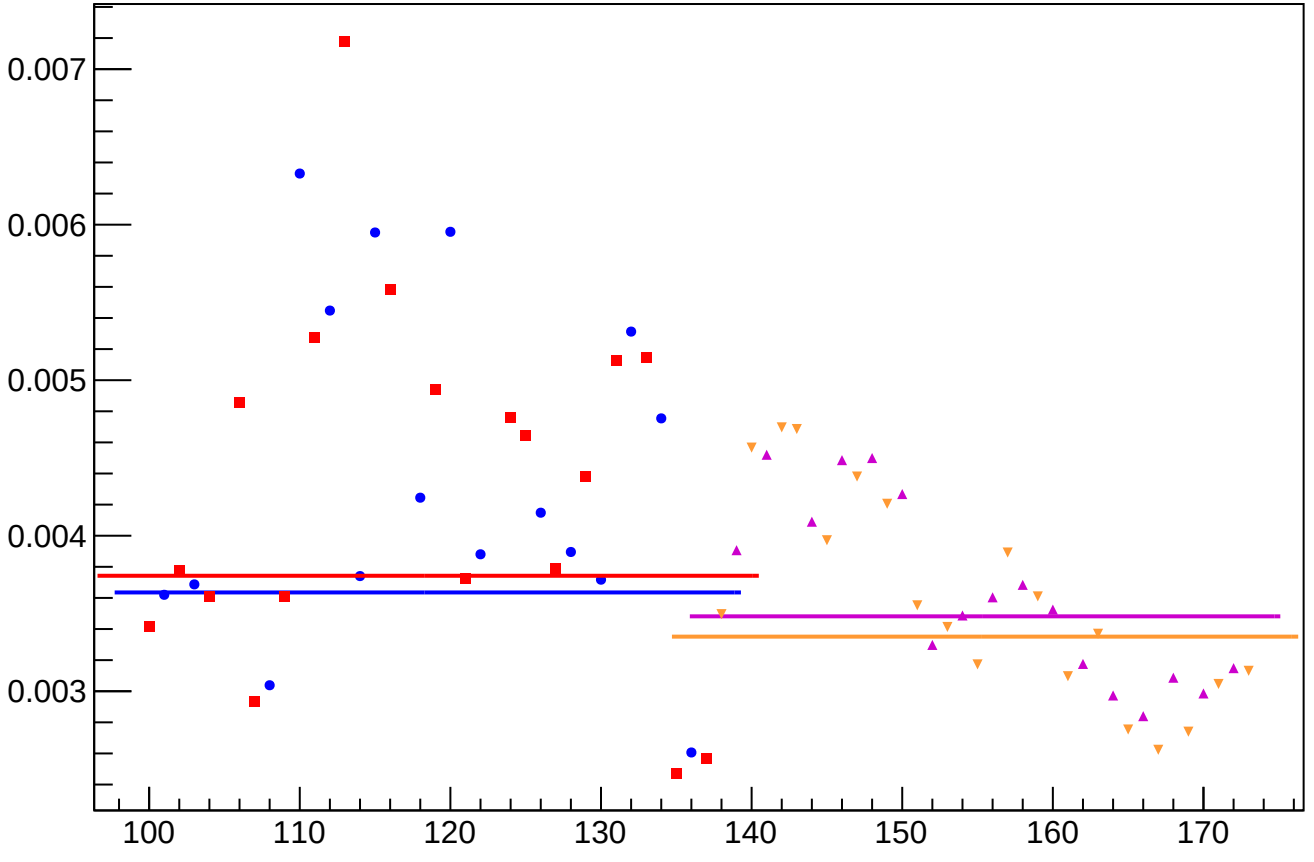
In: 0.011+/-0.000 χ^2/NDF:467198.1/32

Out: 0.010+/-0.000 χ^2/NDF:480137.9/37

All: 0.011+/-0.000 χ^2/NDF: 951128.5/70


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
170
Right In: -0.264+/-0.000 χ²/NDF: 6106171444.3/15
Left Out: -0.364+/-0.000 χ²/NDF:11899641198.4/18
Right Out: -0.262+/-0.000 χ²/NDF: 5250043427.3/18
Left In: -0.368+/-0.000 χ²/NDF:7568143025.3/16
Left: -0.366+/-0.000 χ²/NDF: 19476307375.1/35
Right: -0.263+/-0.000 χ²/NDF: 11357011784.3/34
In: -0.337+/-0.000 χ²/NDF:17011044316.1/32
Out: -0.337+/-0.000 χ²/NDF:20456522832.9/37
All: -0.337+/-0.000 χ²/NDF: 37467567154.6/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:789237.4/18

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.003+/-0.000 χ^2/NDF:537698.9/16

Left: 0.003+/-0.000 χ^2/NDF: 1345859.9/35

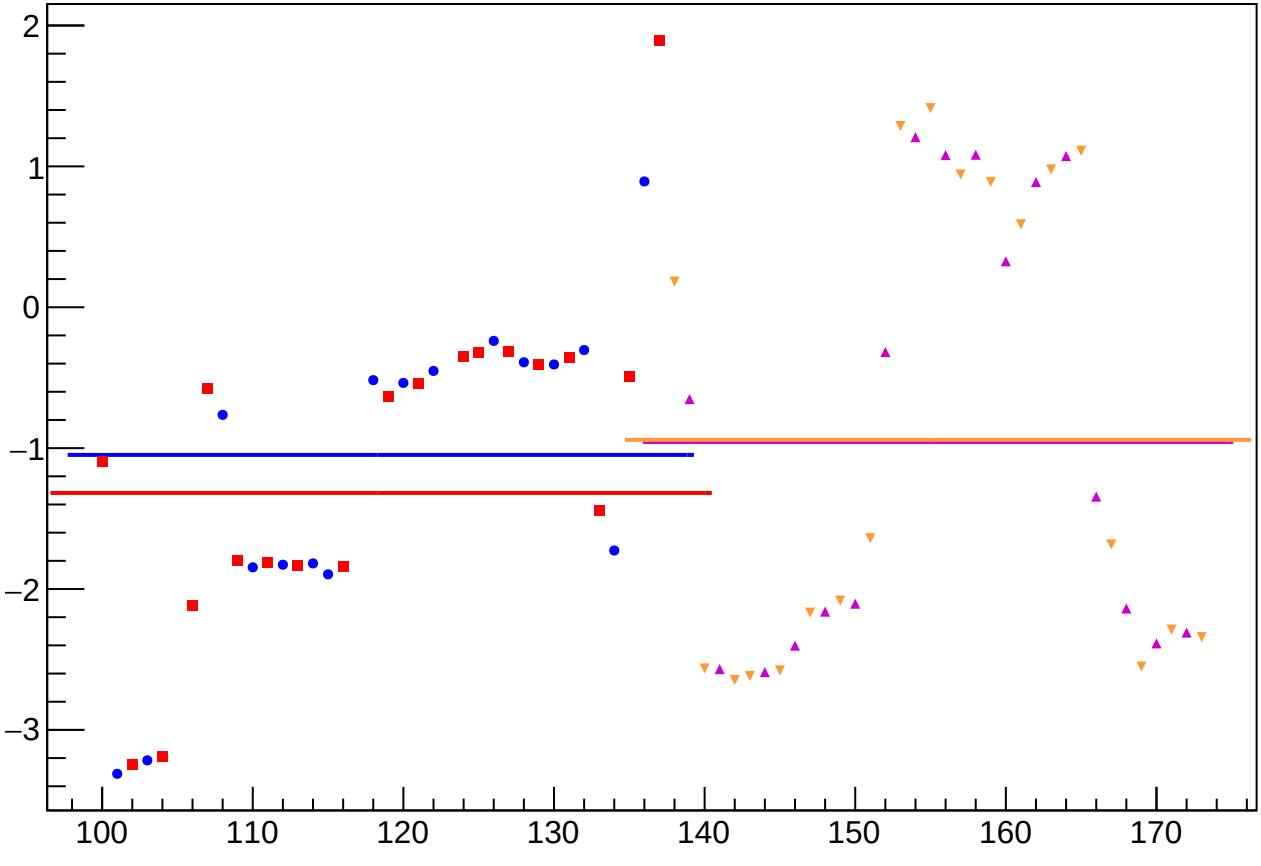
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.004+/-0.000 χ^2/NDF:1280790.7/32

Out: 0.003+/-0.000 χ^2/NDF:1780345.6/37

All: 0.003+/-0.000 χ^2/NDF: 3069315.7/70

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.941+/-0.000 χ^2/NDF:6815937903.0/18

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -0.956+/-0.000 χ^2/NDF:5447062461.4/16

Left: -0.948+/-0.000 χ^2/NDF: 12263286811.6/35

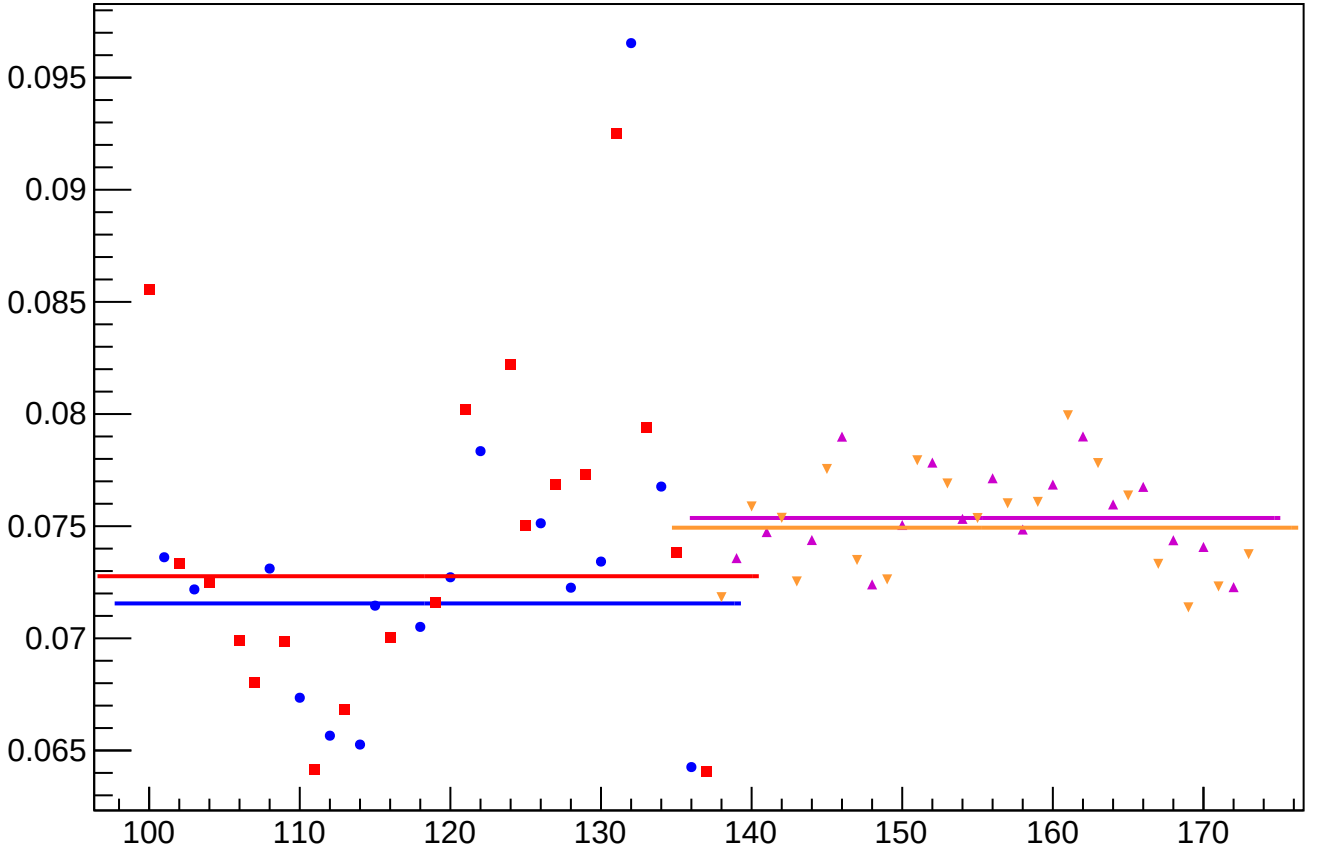
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -0.989+/-0.000 χ^2/NDF:7801482120.6/32

Out: -1.070+/-0.000 χ^2/NDF:8792097536.6/37

All: -1.031+/-0.000 χ^2/NDF: 16606311966.6/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.075+/-0.000 χ^2/NDF:29691.8/18

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:18448.4/16

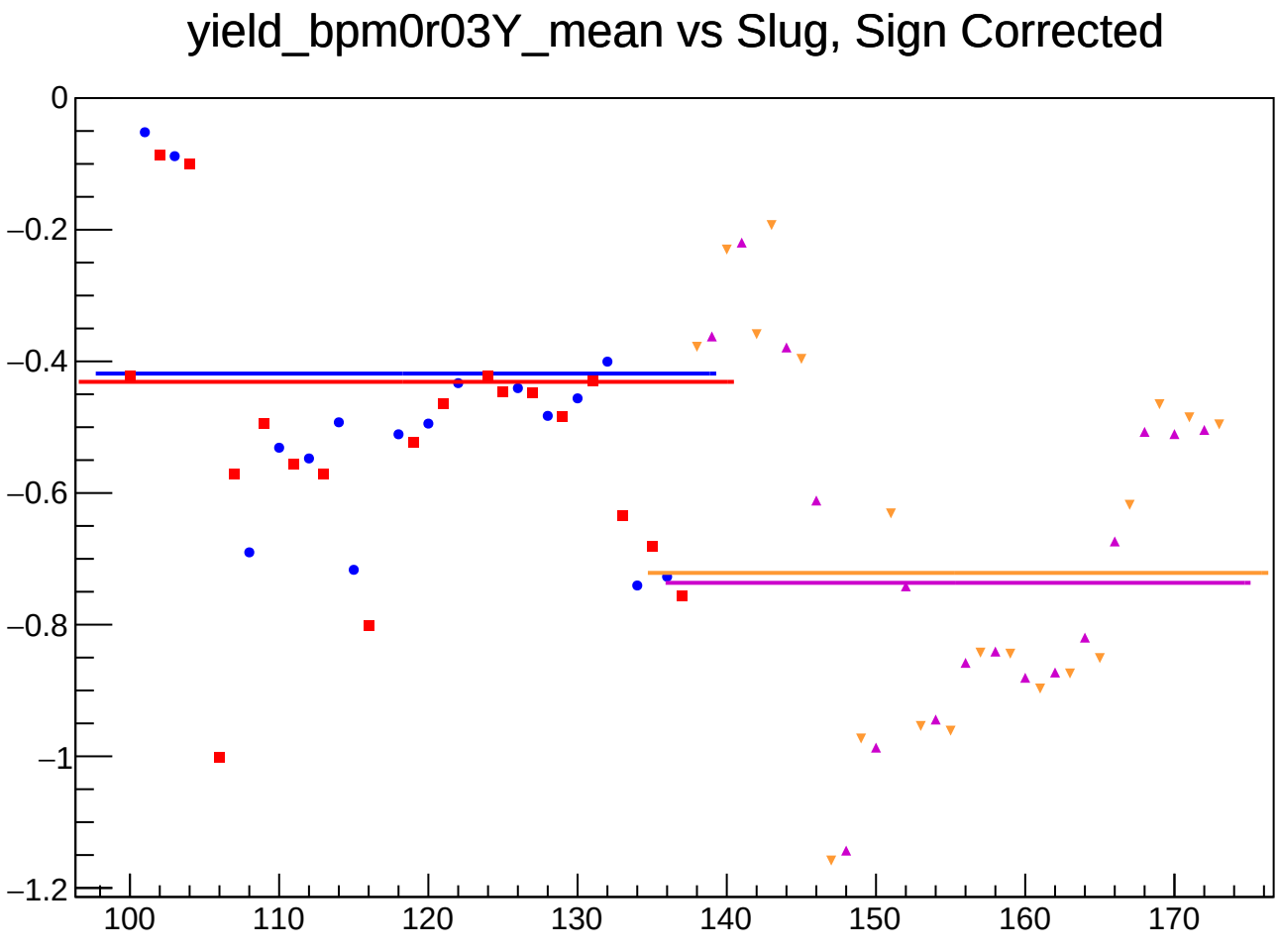
Left: 0.075+/-0.000 χ^2/NDF: 48612.3/35

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

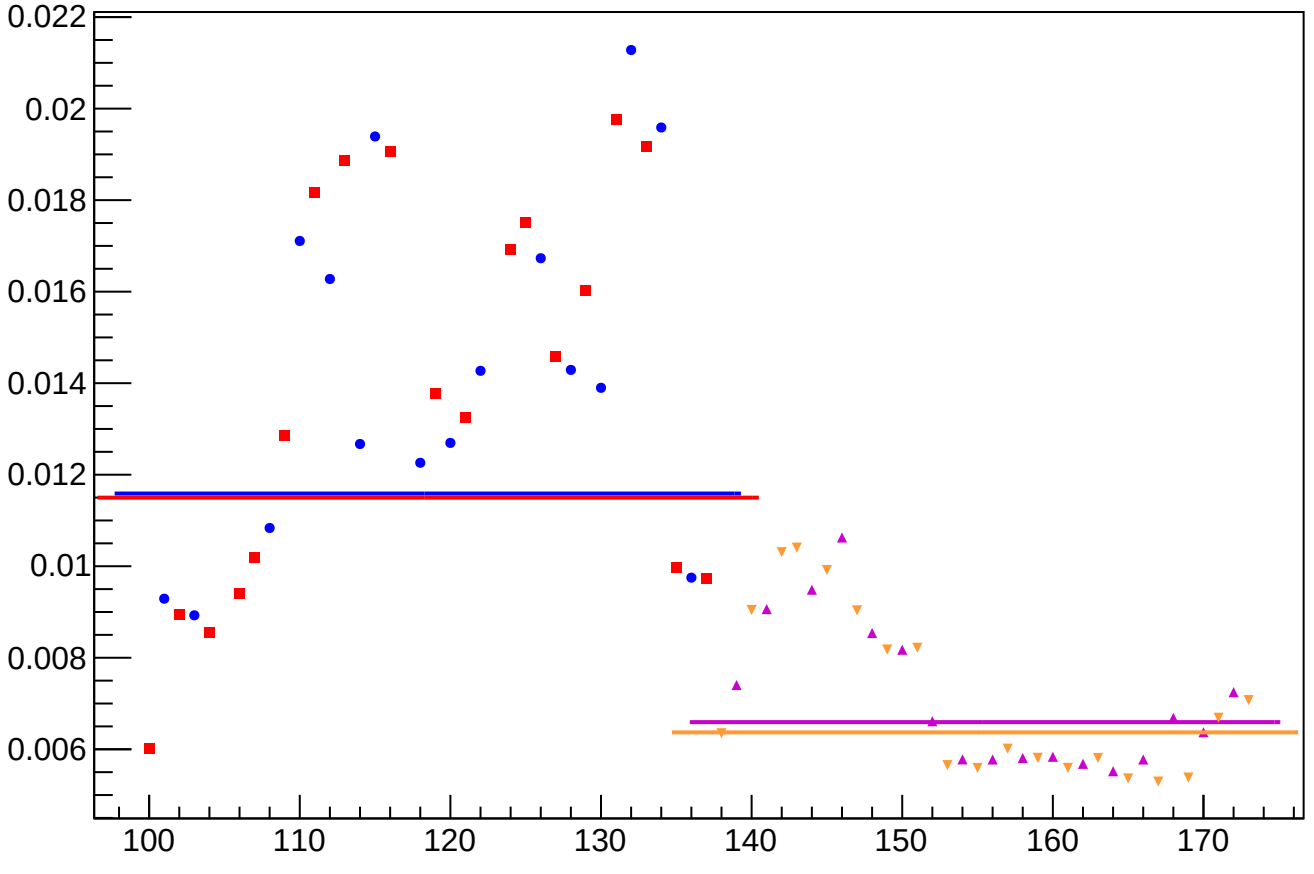
In: 0.074+/-0.000 χ^2/NDF:145066.7/32

Out: 0.074+/-0.000 χ^2/NDF:135007.3/37

All: 0.074+/-0.000 χ^2/NDF: 280233.7/70


yield_bpm0r03Y_mean vs Slug, Sign Corrected
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
170
Right In: -0.419+/-0.000 χ²/NDF: 3072147227.9/15
Left Out: -0.721+/-0.000 χ²/NDF:18976106898.3/18
Right Out: -0.431+/-0.000 χ²/NDF: 3196655095.4/18
Left In: -0.736+/-0.000 χ²/NDF:13920814504.1/16
Left: -0.728+/-0.000 χ²/NDF: 32932460741.4/35
Right: -0.425+/-0.000 χ²/NDF: 6272338159.2/34
In: -0.694+/-0.000 χ²/NDF:20885996358.1/32
Out: -0.687+/-0.000 χ²/NDF:25541840301.7/37
All: -0.690+/-0.000 χ²/NDF: 46438865852.2/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1232333.3/18

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.007+/-0.000 χ^2/NDF:889559.7/16

Left: 0.006+/-0.000 χ^2/NDF: 2137491.7/35

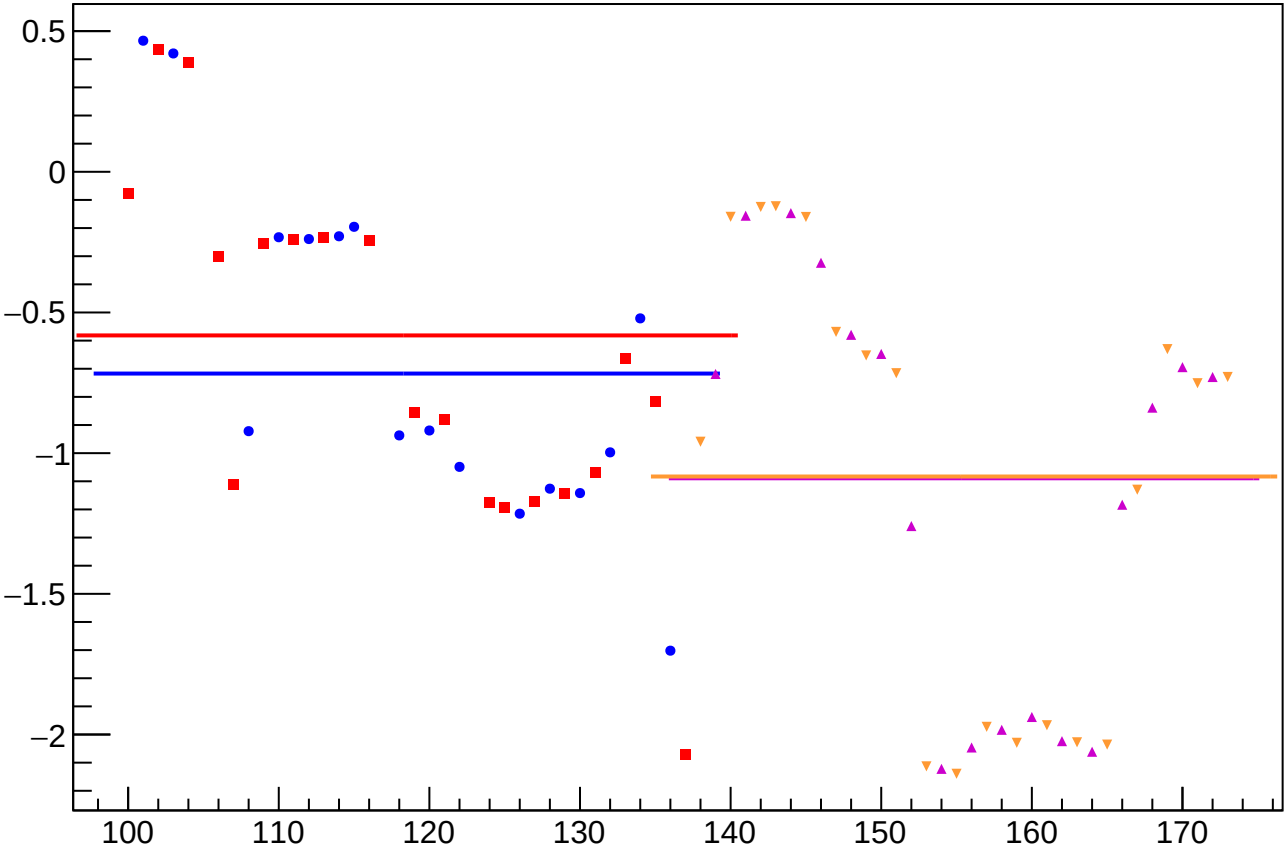
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.007+/-0.000 χ^2/NDF:3598232.7/32

Out: 0.007+/-0.000 χ^2/NDF:4501127.0/37

All: 0.007+/-0.000 χ^2/NDF: 8125257.1/70

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.083+/-0.000 χ^2/NDF:1129907777.1/18

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -1.089+/-0.000 χ^2/NDF:950422651.0/16

Left: -1.086+/-0.000 χ^2/NDF: 2080369093.9/35

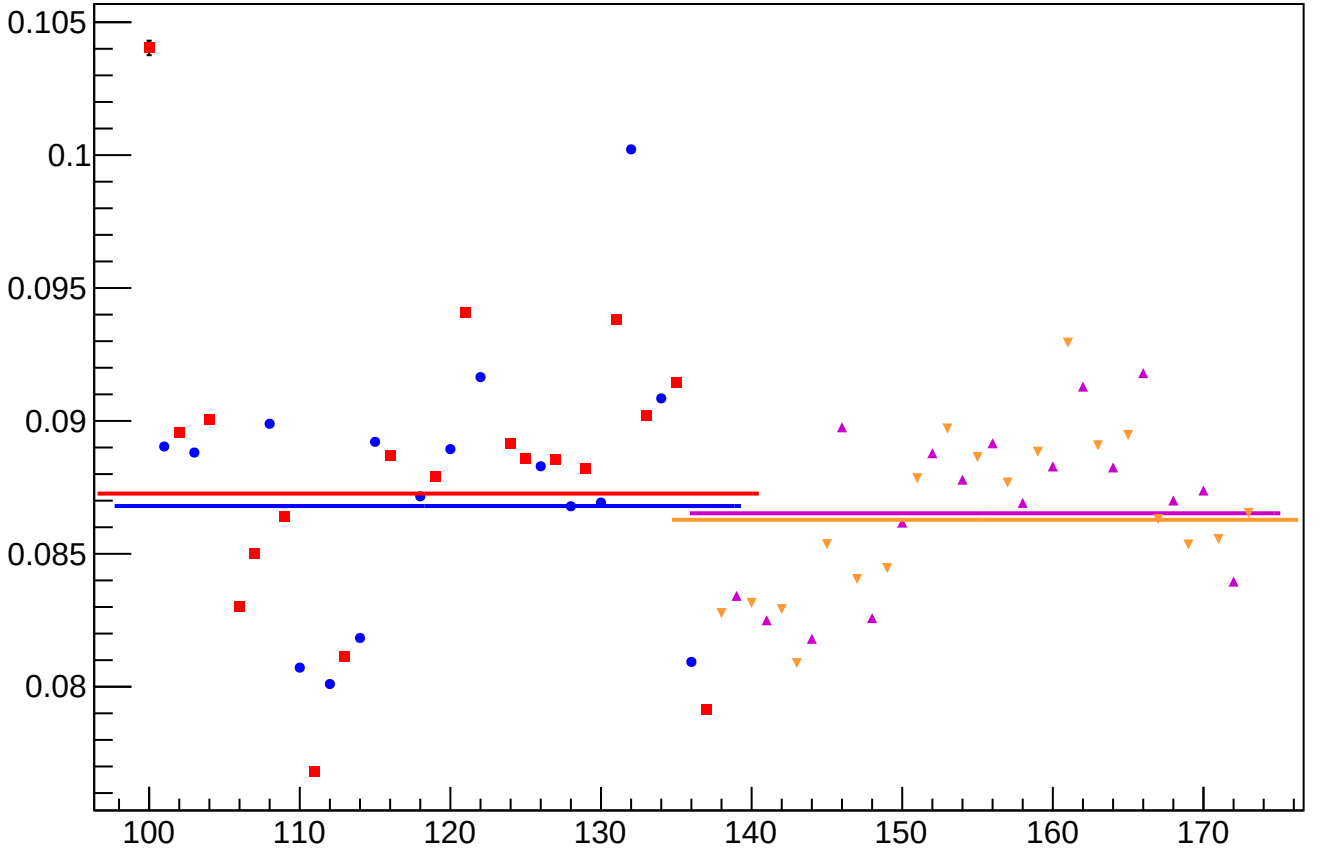
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.963+/-0.000 χ^2/NDF:1475052894.7/32

Out: -0.919+/-0.000 χ^2/NDF:1637196393.2/37

All: -0.940+/-0.000 χ^2/NDF: 3115118253.3/7

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:33702.4/18

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.087+/-0.000 χ^2/NDF:32426.9/16

Left: 0.086+/-0.000 χ^2/NDF: 66246.1/35

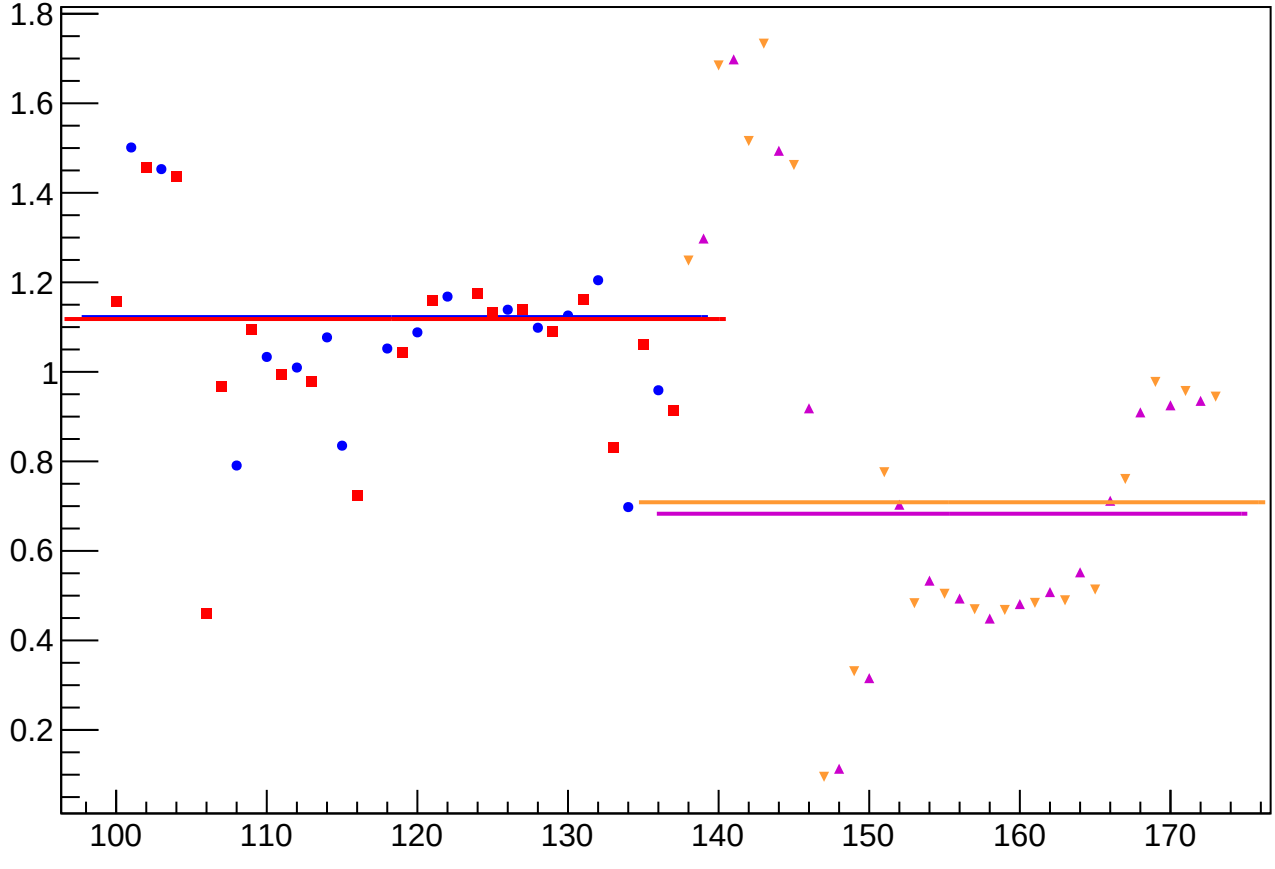
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.087+/-0.000 χ^2/NDF:76096.3/32

Out: 0.087+/-0.000 χ^2/NDF:81144.8/37

All: 0.087+/-0.000 χ^2/NDF: 157241.8/70

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.709+/-0.000 χ^2/NDF:30969247789.6/18

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 0.683+/-0.000 χ^2/NDF:23860896781.3/16

Left: 0.697+/-0.000 χ^2/NDF: 54899857232.1/35

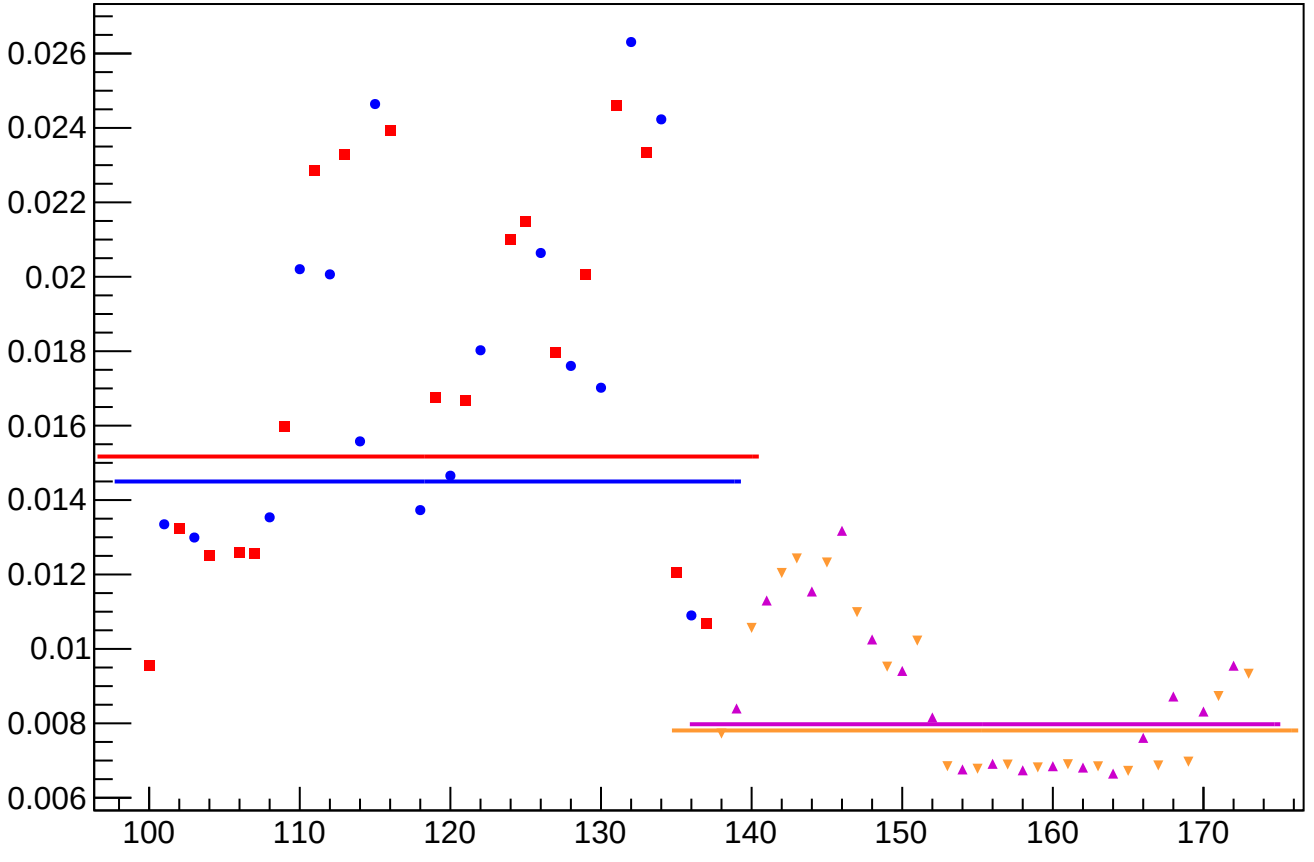
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.738+/-0.000 χ^2/NDF:30117083453.8/32

Out: 0.752+/-0.000 χ^2/NDF:36534672655.5/37

All: 0.745+/-0.000 χ^2/NDF: 66676548587.8/7

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:1192711.7/18

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.008+/-0.000 χ^2/NDF:995166.1/16

Left: 0.008+/-0.000 χ^2/NDF: 2193810.7/35

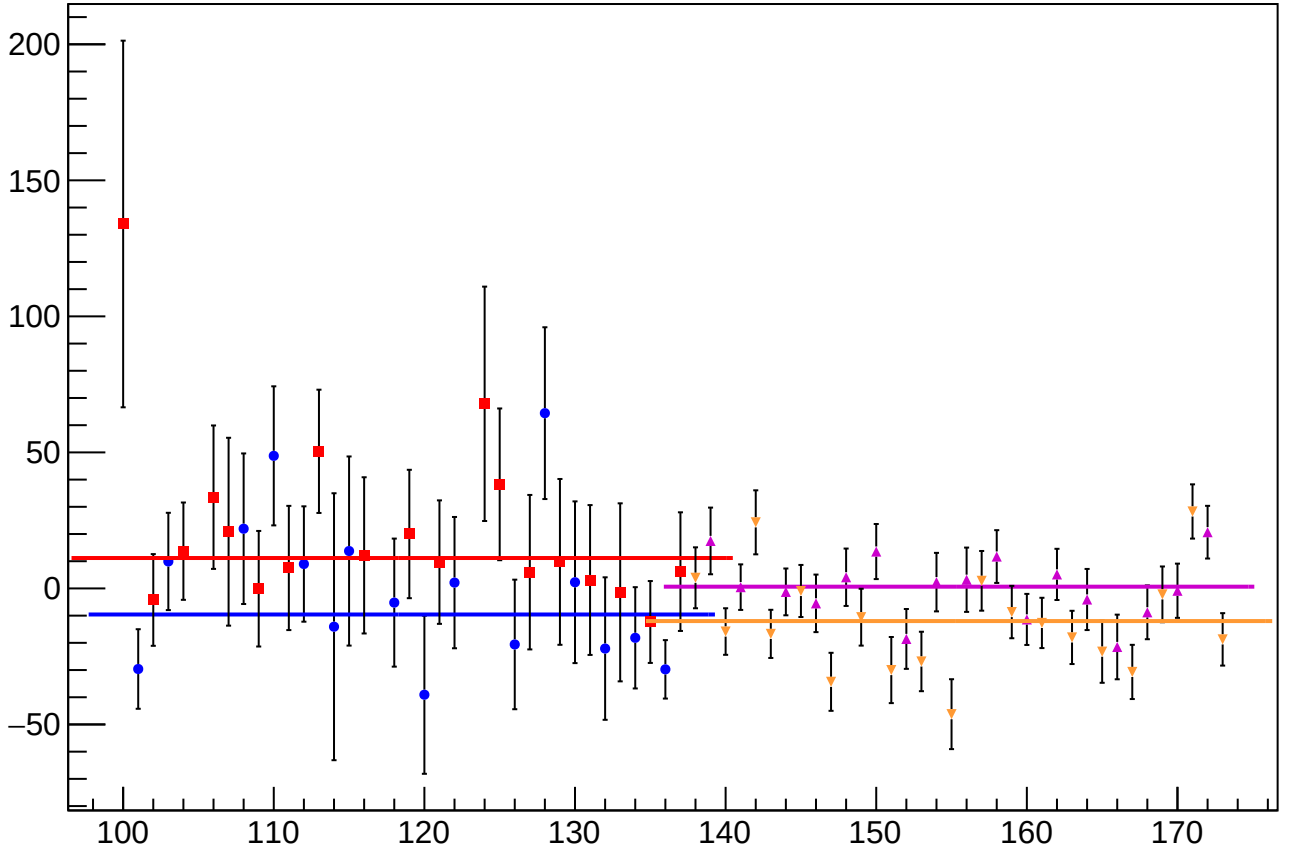
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.009+/-0.000 χ^2/NDF:3822673.6/32

Out: 0.009+/-0.000 χ^2/NDF:4640809.4/37

All: 0.009+/-0.000 χ^2/NDF: 8472956.5/70

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -12.000+/-2.350 χ^2/NDF:53.4/18

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: 0.641+/-2.458 χ^2/NDF:19.2/16

Left: -5.963+/-1.699 χ^2/NDF: 86.4/35

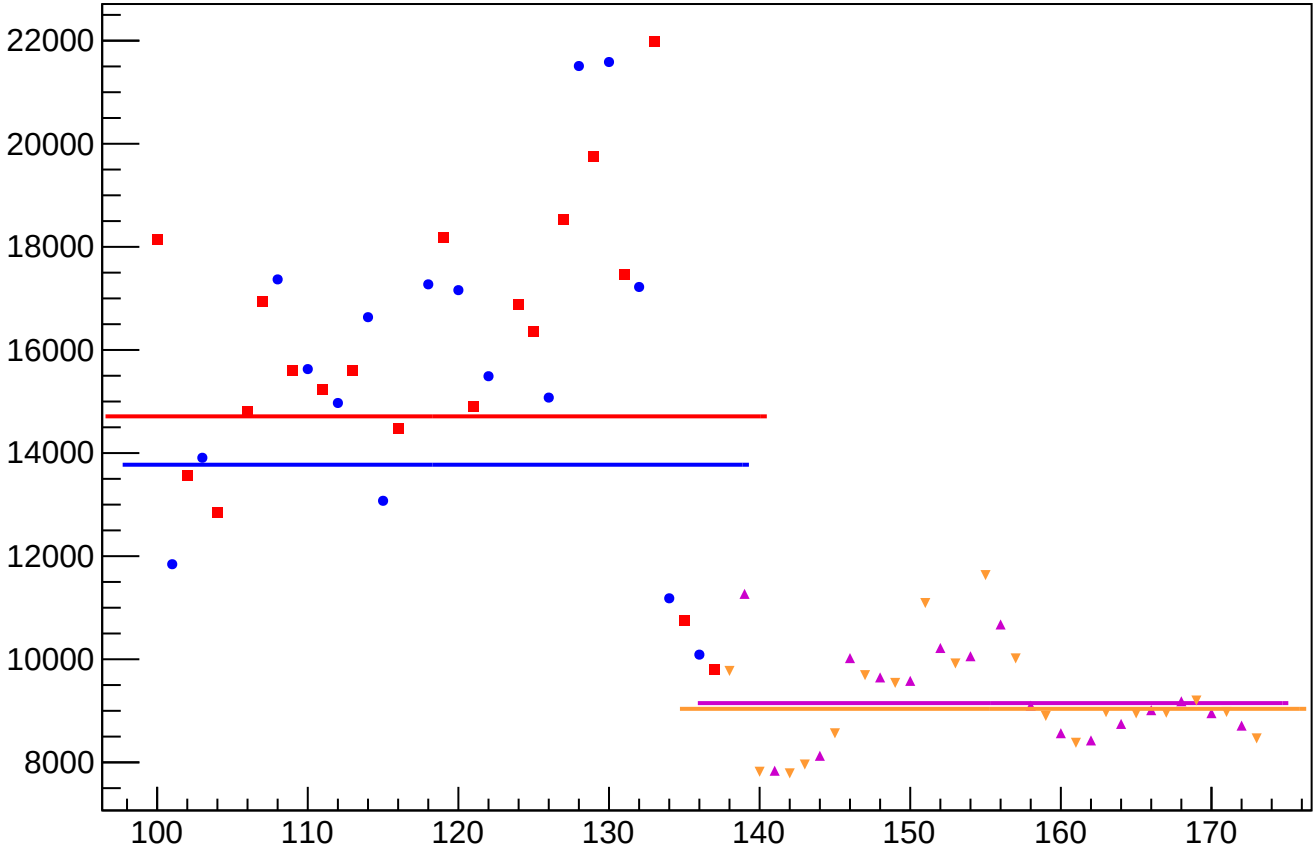
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -1.174+/-2.230 χ^2/NDF:44.2/32

Out: -8.418+/-2.161 χ^2/NDF:82.3/37

All: -4.909+/-1.552 χ^2/NDF: 131.9/70

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9038.739+/-1.662 χ^2/NDF:304795.3/18

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9149.590+/-1.738 χ^2/NDF:252744.7/16

Left: 9091.675+/-1.201 χ^2/NDF: 559664.3/35

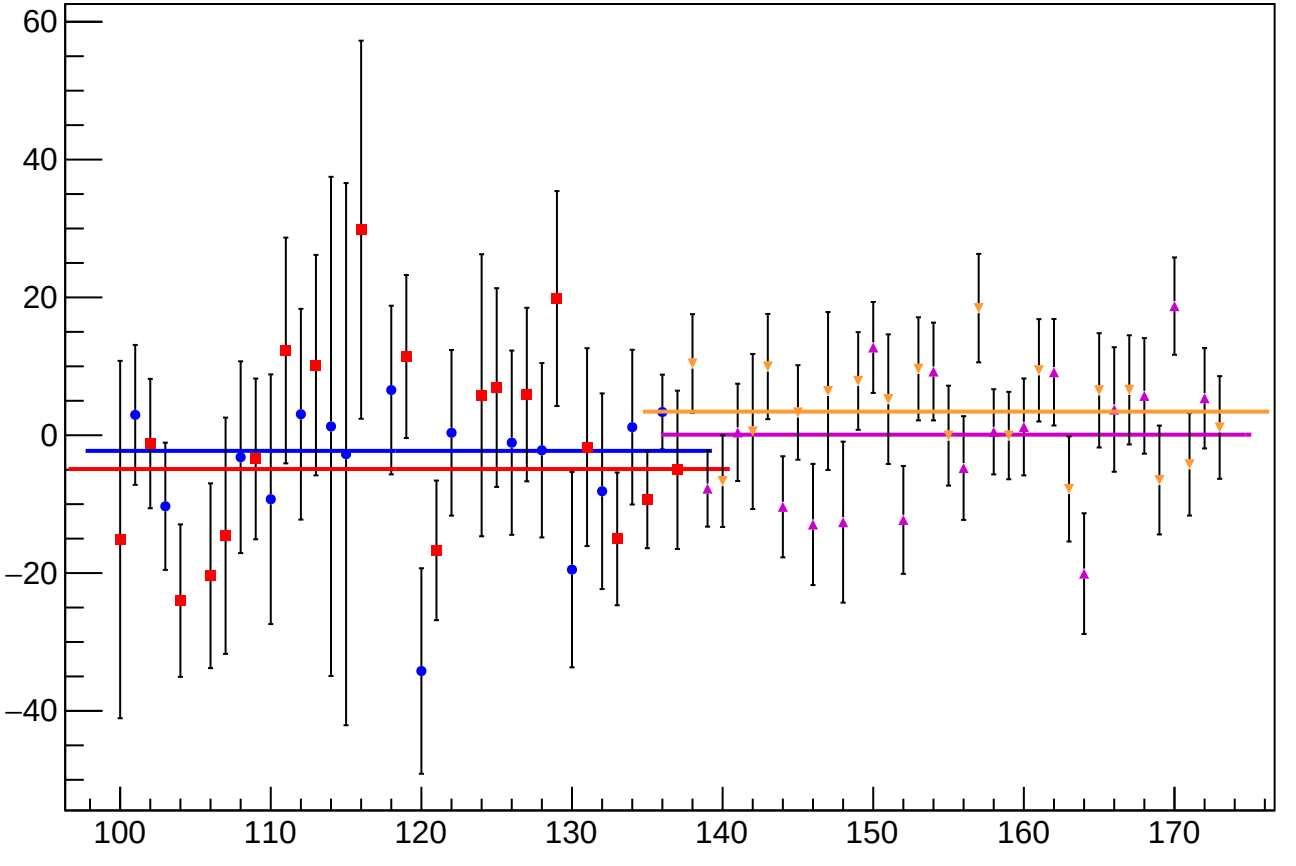
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 9970.779+/-1.577 χ^2/NDF:2256911.4/32

Out: 9915.615+/-1.528 χ^2/NDF:2663179.4/37

All: 9942.338+/-1.097 χ^2/NDF: 4920722.1/70

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.429+/-1.759 χ^2/NDF:15.3/18

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: 0.084+/-1.796 χ^2/NDF:30.5/16

Left: 1.791+/-1.257 χ^2/NDF: 47.5/35

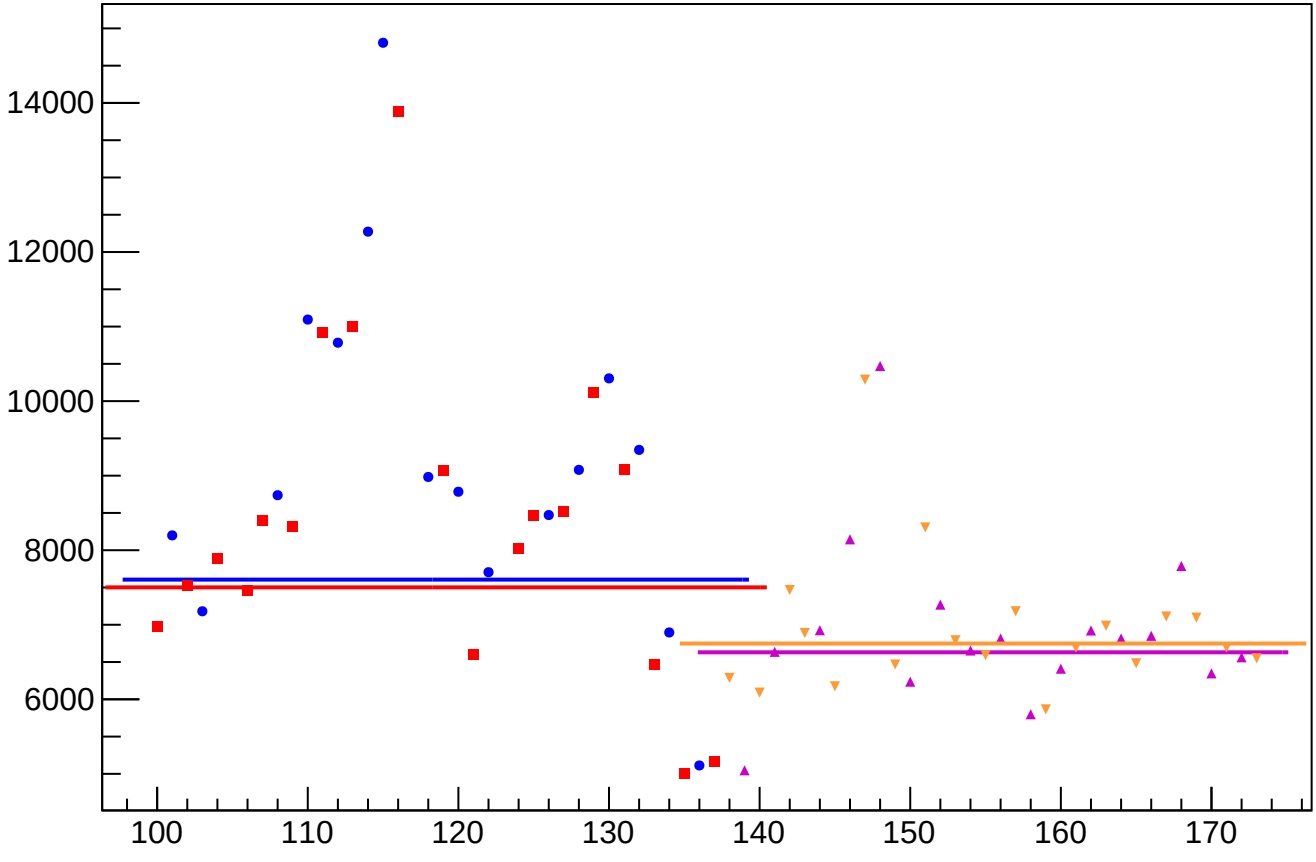
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -0.561+/-1.530 χ^2/NDF:40.3/32

Out: 1.113+/-1.495 χ^2/NDF:39.1/37

All: 0.295+/-1.069 χ^2/NDF: 79.9/70

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6748.047+/-1.244 χ^2/NDF:359110.3/18

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6630.326+/-1.270 χ^2/NDF:549577.2/16

Left: 6690.394+/-0.889 χ^2/NDF: 913072.5/35

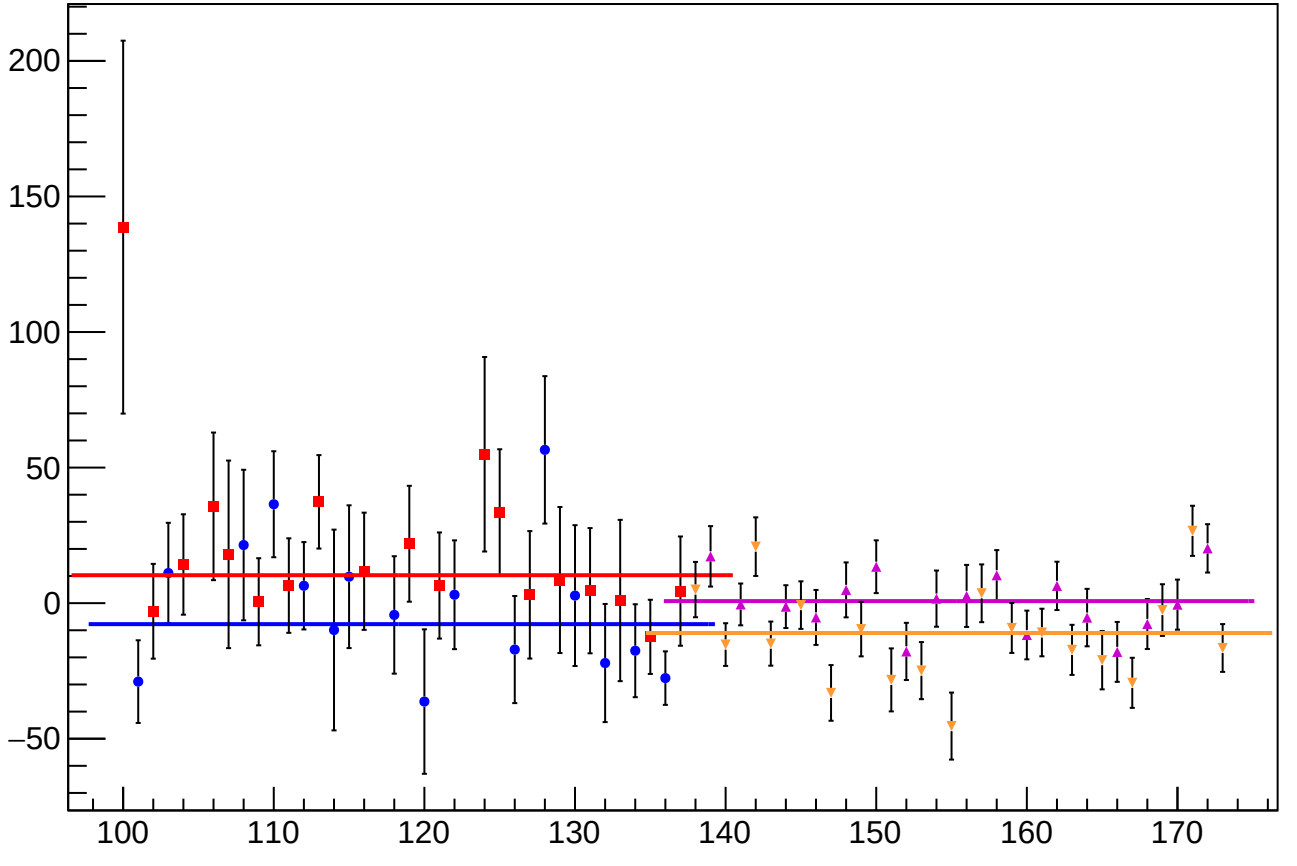
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6897.745+/-1.082 χ^2/NDF:1602817.9/32

Out: 6957.455+/-1.057 χ^2/NDF:1284611.2/37

All: 6928.290+/-0.756 χ^2/NDF: 2888987.3/70

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -11.006+/-2.203 χ^2/NDF:54.4/18

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: 0.757+/-2.315 χ^2/NDF:19.8/16

Left: -5.416+/-1.596 χ^2/NDF: 87.8/35

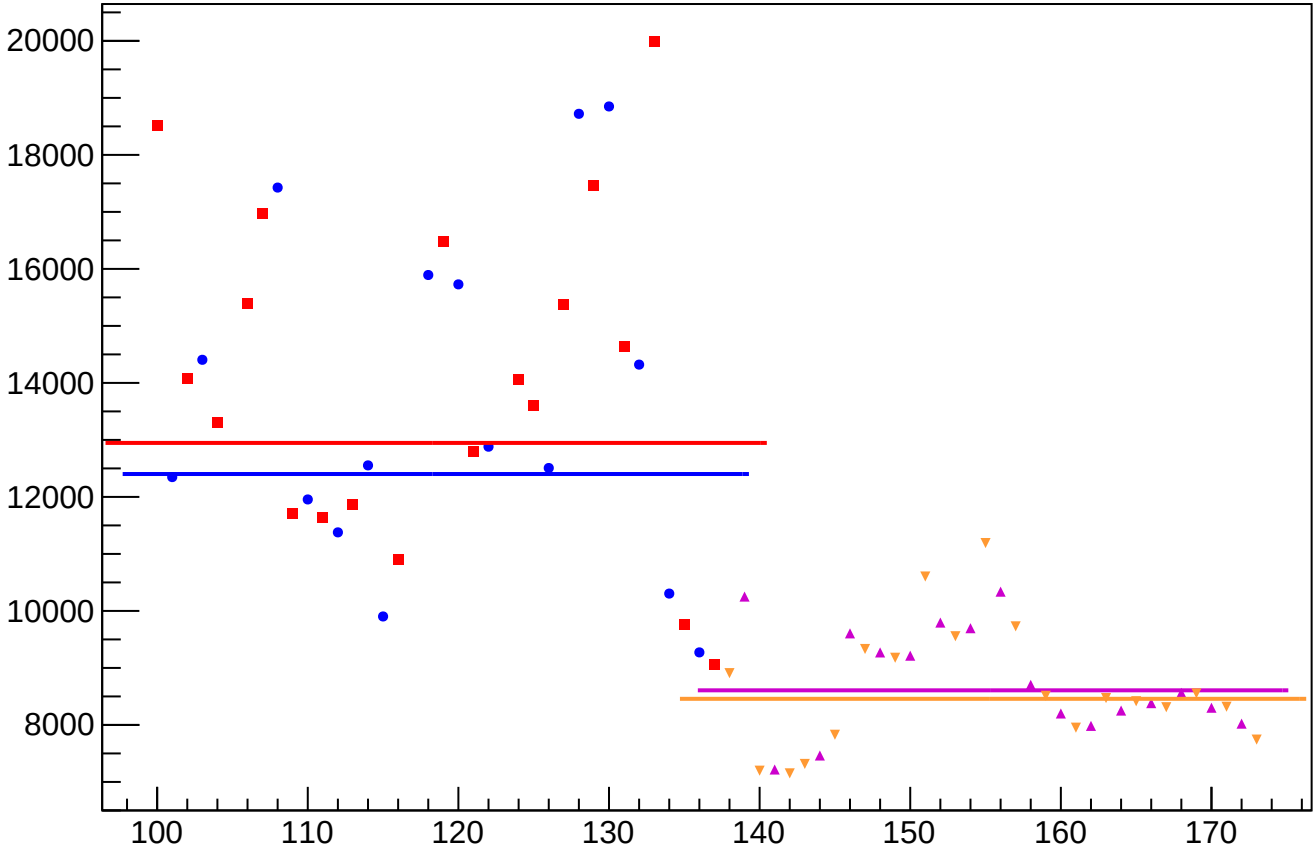
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -0.875+/-2.081 χ^2/NDF:45.1/32

Out: -7.348+/-2.005 χ^2/NDF:84.4/37

All: -4.231+/-1.444 χ^2/NDF: 134.5/70

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8458.075+/-1.558 χ^2/NDF:396266.6/18

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8607.197+/-1.637 χ^2/NDF:307482.0/16

Left: 8528.946+/-1.128 χ^2/NDF: 708103.7/35

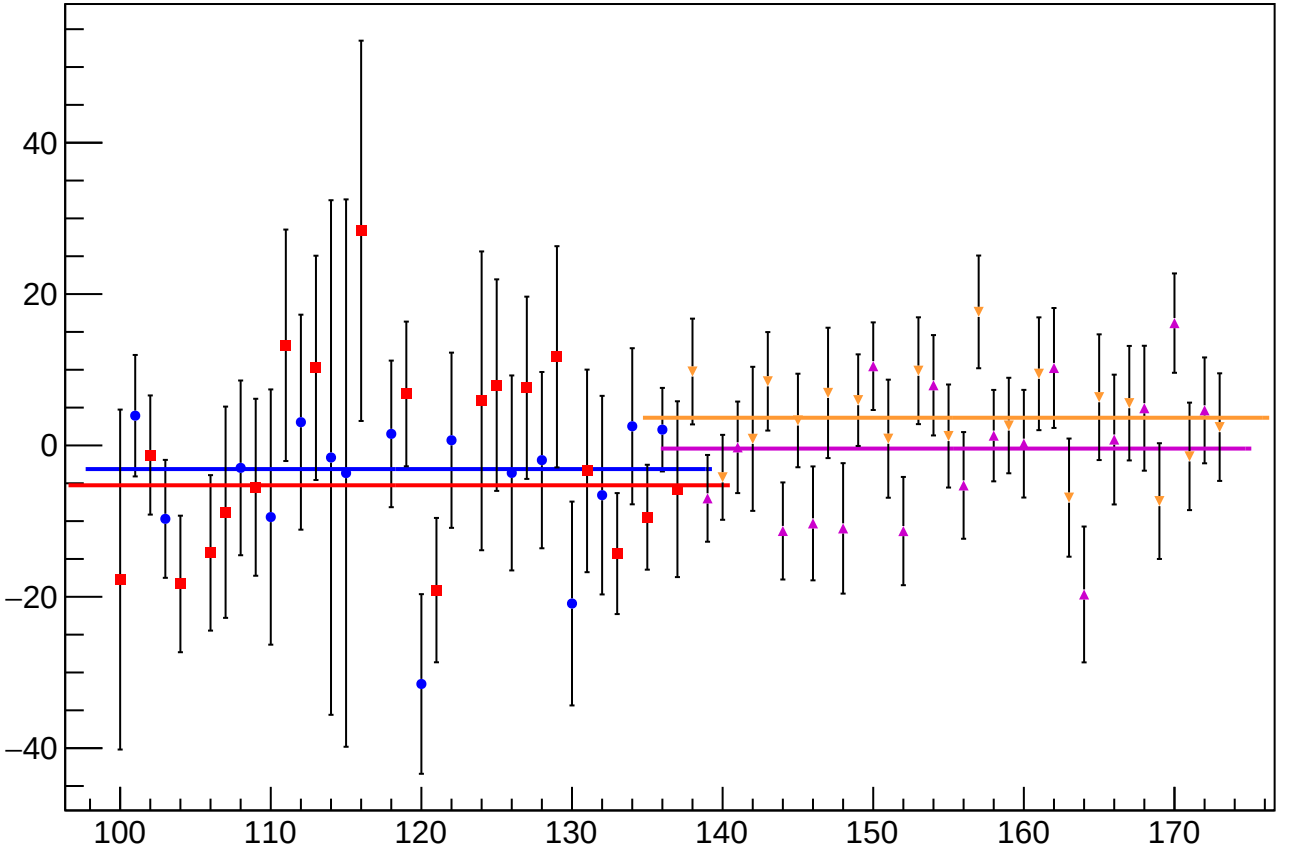
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 9335.920+/-1.471 χ^2/NDF:2017823.3/32

Out: 9228.597+/-1.418 χ^2/NDF:2376888.8/37

All: 9280.270+/-1.021 χ^2/NDF: 4397471.0/70

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.659+/-1.626 χ^2/NDF:13.5/18

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -0.415+/-1.683 χ^2/NDF:29.2/16

Left: 1.692+/-1.170 χ^2/NDF: 45.7/35

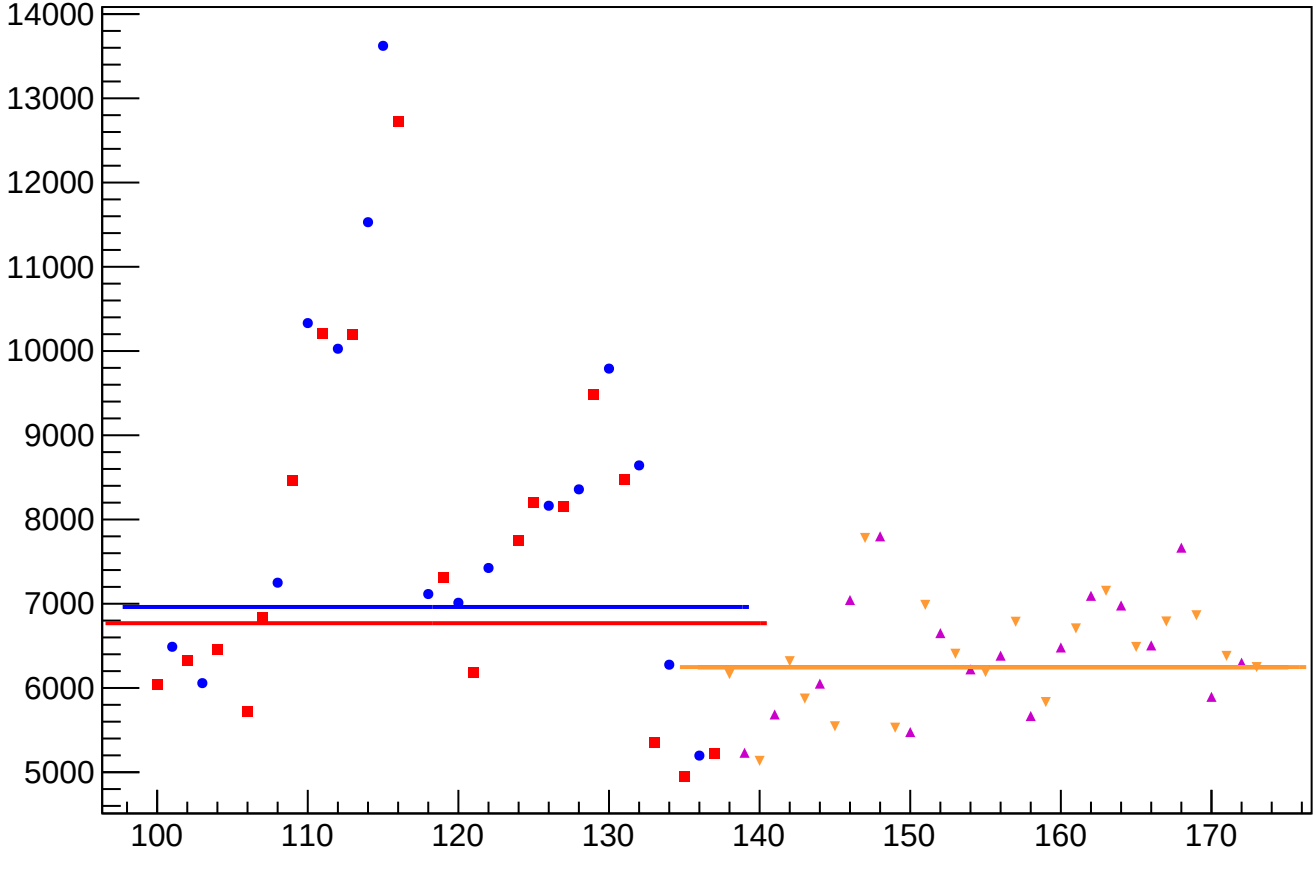
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -1.191+/-1.422 χ^2/NDF:40.8/32

Out: 1.084+/-1.372 χ^2/NDF:39.1/37

All: -0.013+/-0.987 χ^2/NDF: 81.2/70

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6247.986+/-1.150 χ^2/NDF:301413.5/18

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 6246.092+/-1.190 χ^2/NDF:335400.1/16

Left: 6247.072+/-0.827 χ^2/NDF: 636814.9/35

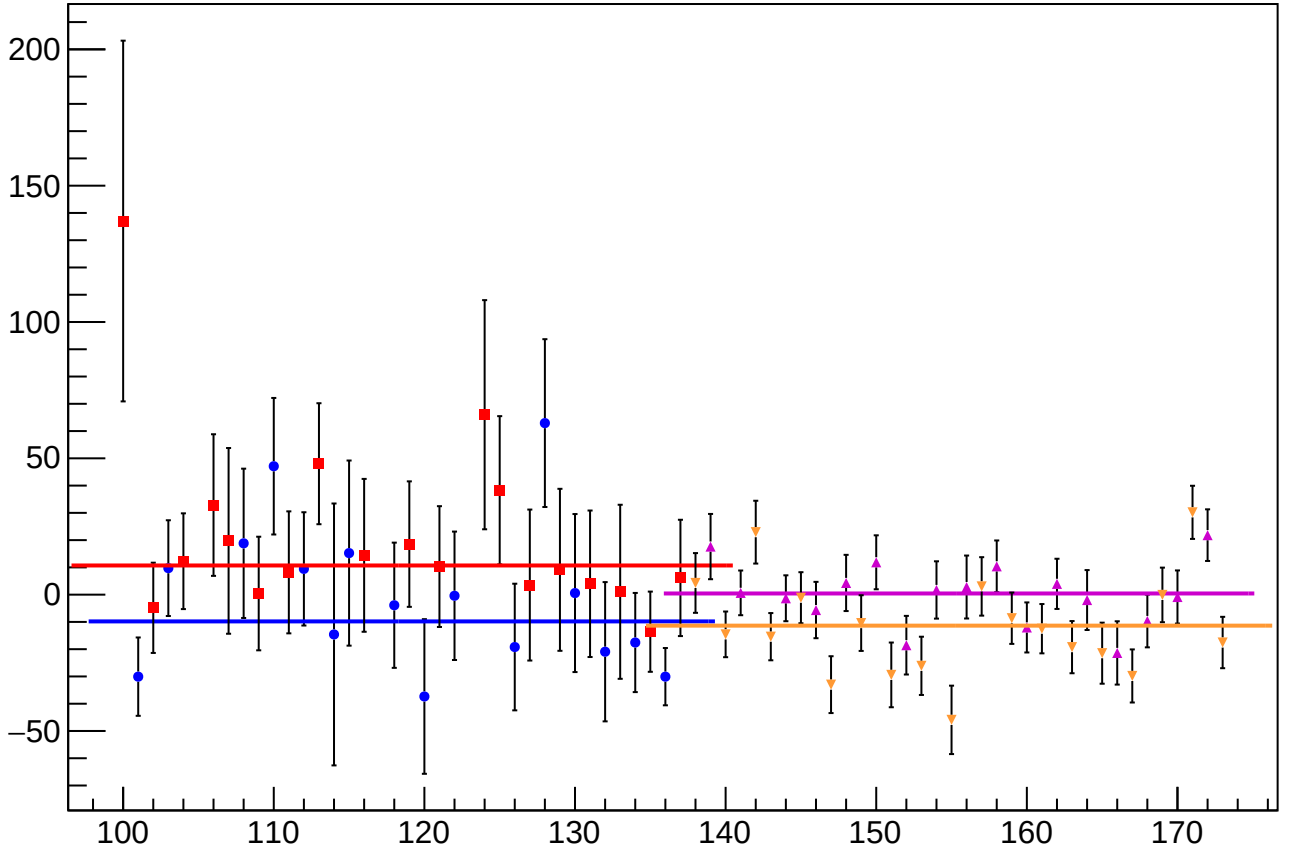
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6451.175+/-1.005 χ^2/NDF:1135381.3/32

Out: 6398.346+/-0.970 χ^2/NDF:1158772.2/37

All: 6423.811+/-0.698 χ^2/NDF: 2295583.8/70

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -11.365+/-2.298 χ^2/NDF:55.4/18

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: 0.433+/-2.404 χ^2/NDF:20.0/16

Left: -5.730+/-1.661 χ^2/NDF: 88.0/35

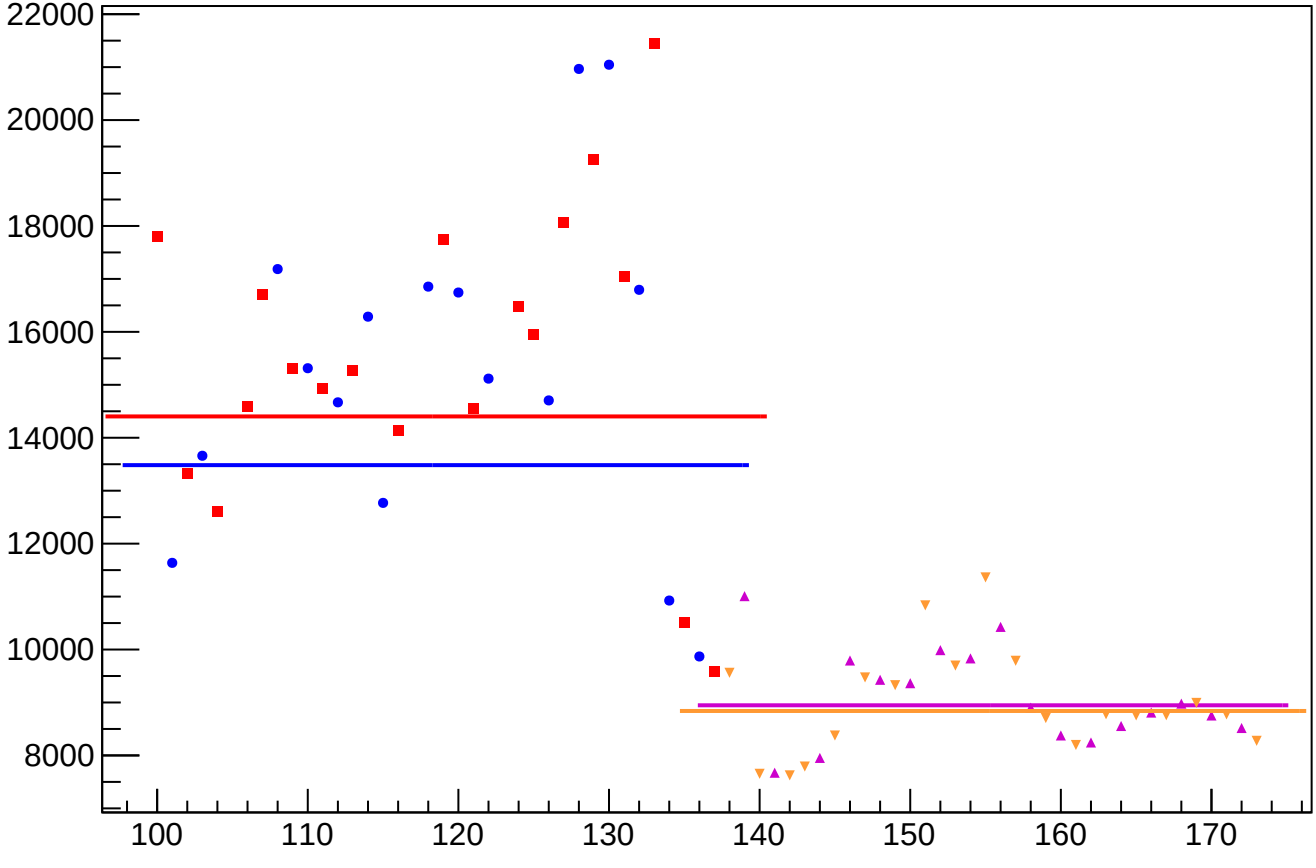
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -1.383+/-2.180 χ^2/NDF:45.2/32

Out: -7.960+/-2.114 χ^2/NDF:84.0/37

All: -4.773+/-1.518 χ^2/NDF: 133.9/70

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8839.641+/-1.625 χ^2/NDF:301709.0/18

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 8946.929+/-1.700 χ^2/NDF:249832.5/16

Left: 8890.881+/-1.175 χ^2/NDF: 553622.8/35

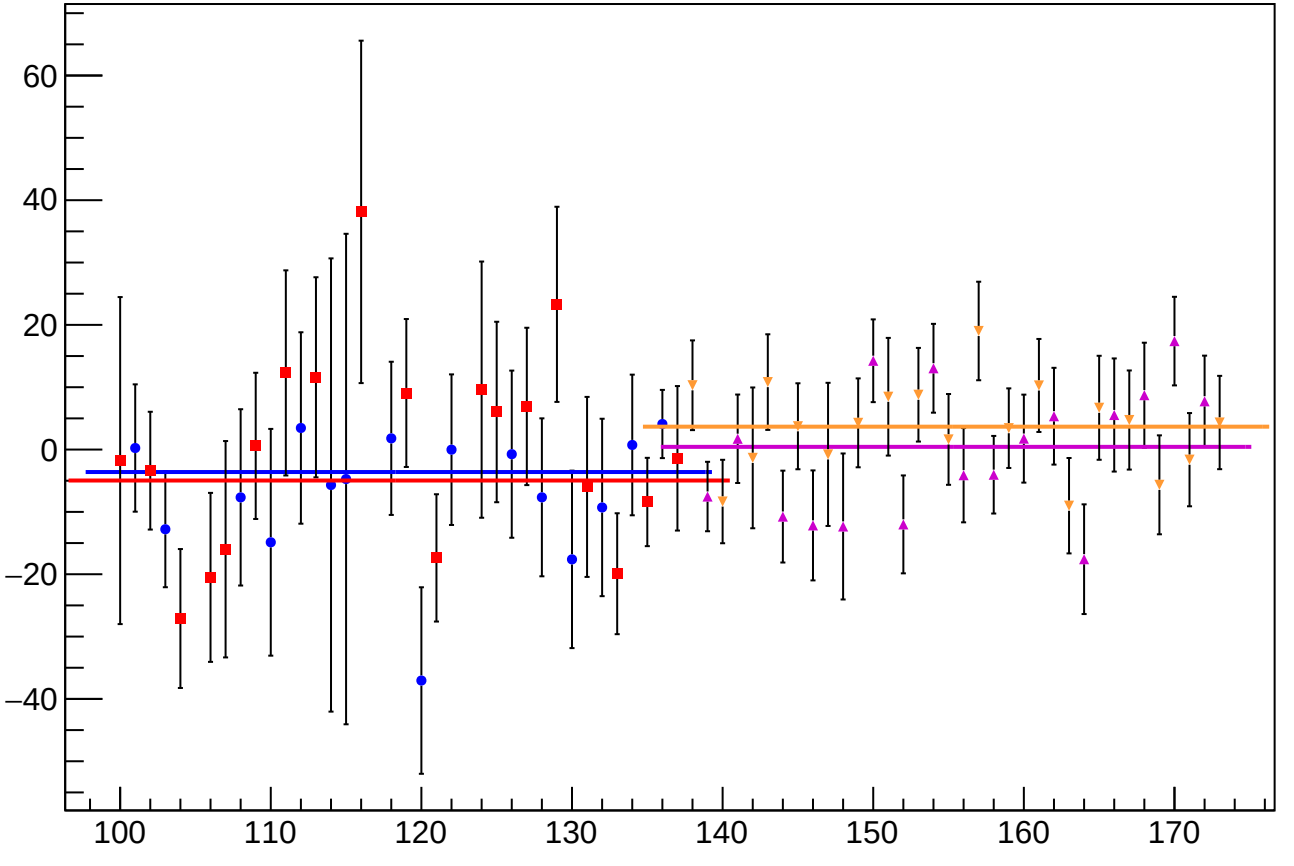
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 9751.159+/-1.542 χ^2/NDF:2256158.4/32

Out: 9698.091+/-1.495 χ^2/NDF:2662158.7/37

All: 9723.801+/-1.073 χ^2/NDF: 4918927.9/70

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.671+/-1.768 χ^2/NDF:15.4/18

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: 0.433+/-1.805 χ^2/NDF:31.1/16

Left: 2.086+/-1.263 χ^2/NDF: 48.2/35

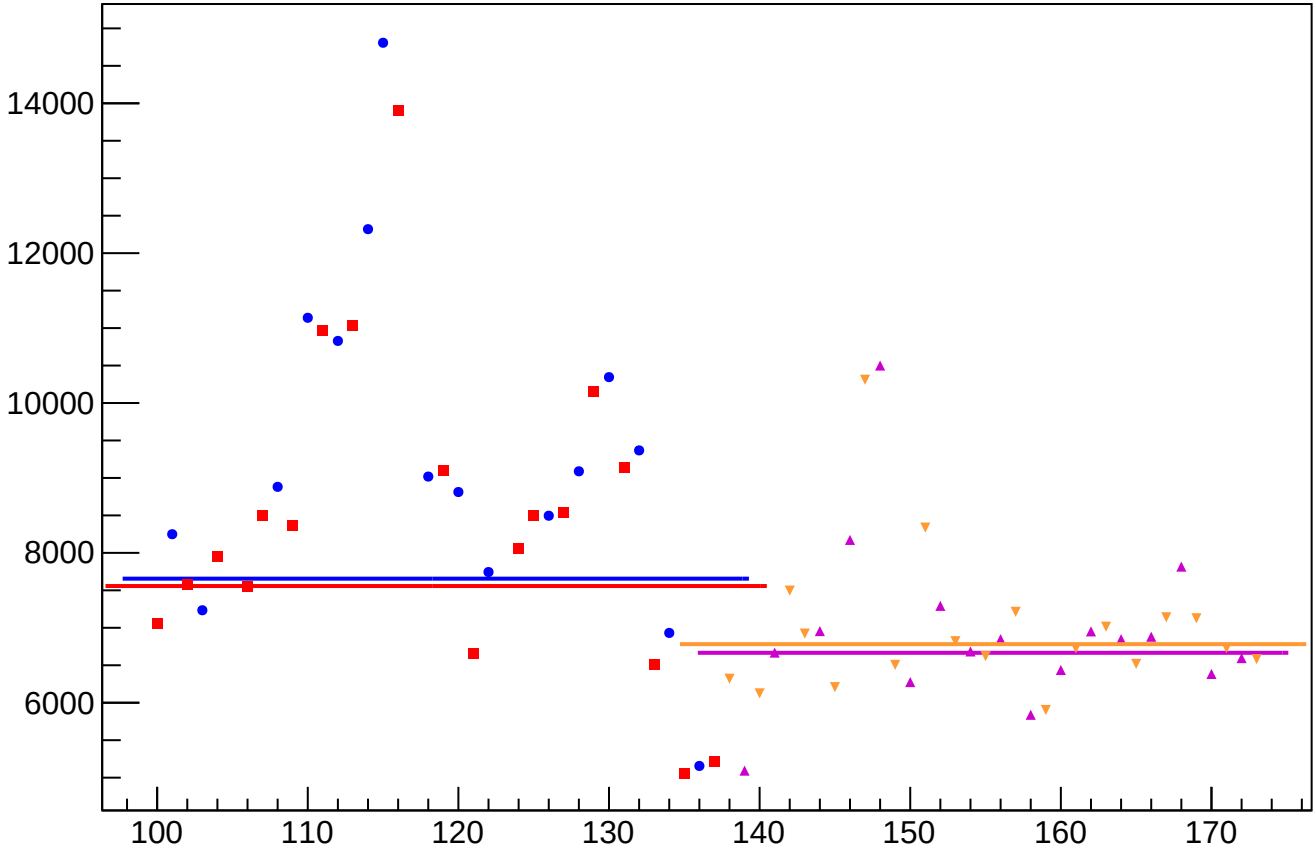
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -0.672+/-1.538 χ^2/NDF:42.9/32

Out: 1.278+/-1.503 χ^2/NDF:43.4/37

All: 0.325+/-1.075 χ^2/NDF: 87.2/70

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6781.786+/-1.250 χ^2/NDF:354476.2/18

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6666.233+/-1.276 χ^2/NDF:538886.7/16

Left: 6725.213+/-0.893 χ^2/NDF: 897546.0/35

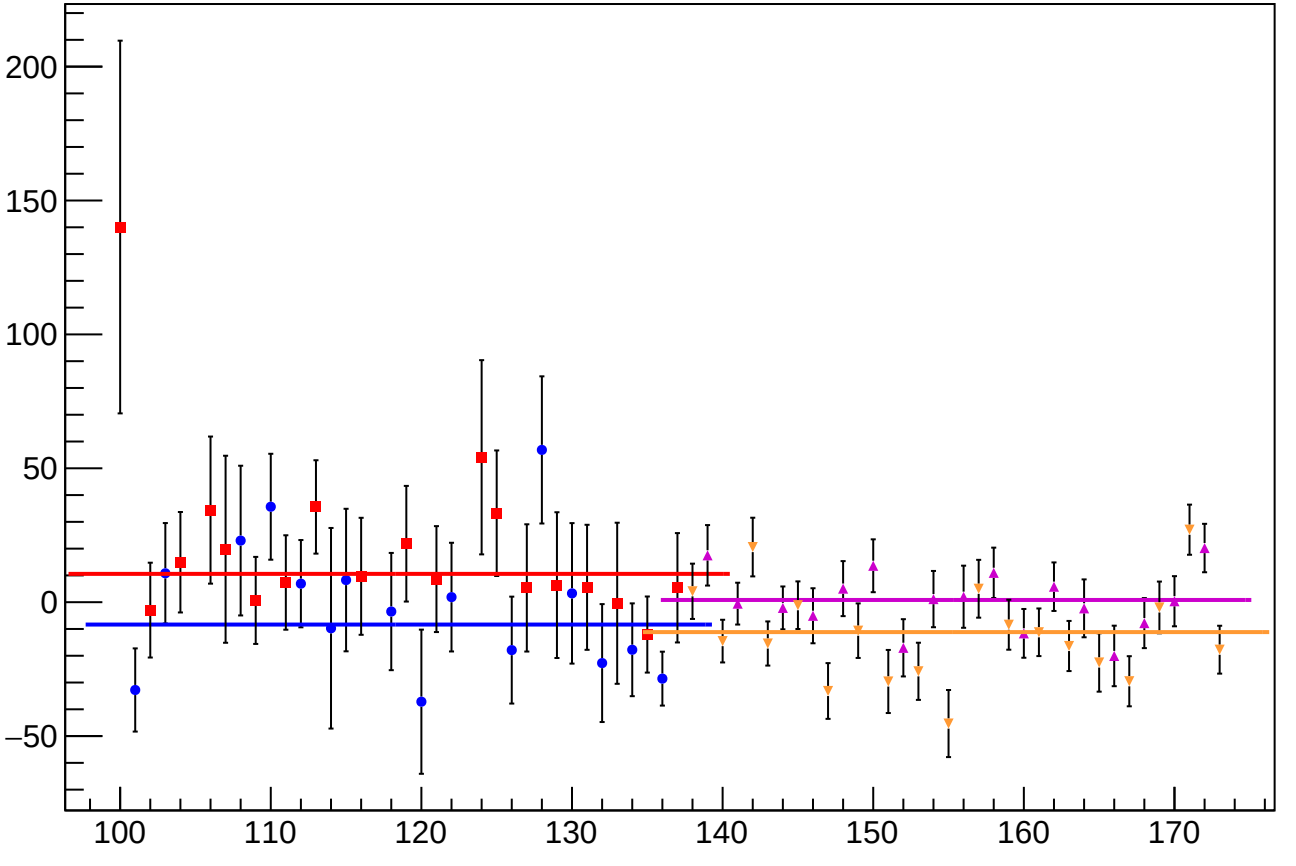
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 6937.175+/-1.088 χ^2/NDF:1583227.0/32

Out: 6996.744+/-1.063 χ^2/NDF:1271035.2/37

All: 6967.648+/-0.760 χ^2/NDF: 2855796.4/70

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -11.168+/-2.232 χ^2/NDF:54.2/18

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: 0.831+/-2.348 χ^2/NDF:19.6/16

Left: -5.472+/-1.618 χ^2/NDF: 87.6/35

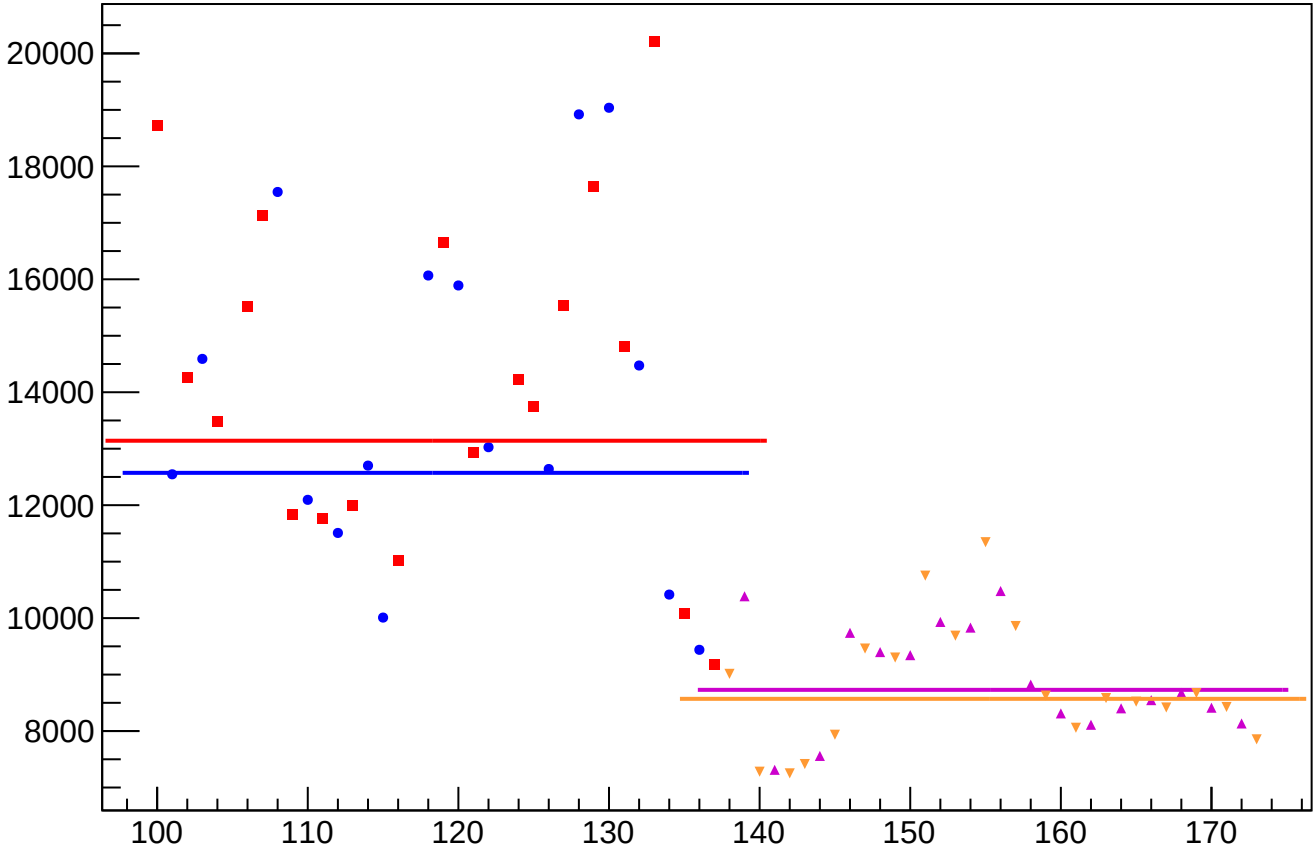
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -0.935+/-2.111 χ^2/NDF:45.8/32

Out: -7.445+/-2.032 χ^2/NDF:83.4/37

All: -4.313+/-1.464 χ^2/NDF: 134.1/70

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8570.542+/-1.579 χ^2/NDF:397543.9/18

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8729.796+/-1.661 χ^2/NDF:306997.5/16

Left: 8646.139+/-1.144 χ^2/NDF: 709372.9/35

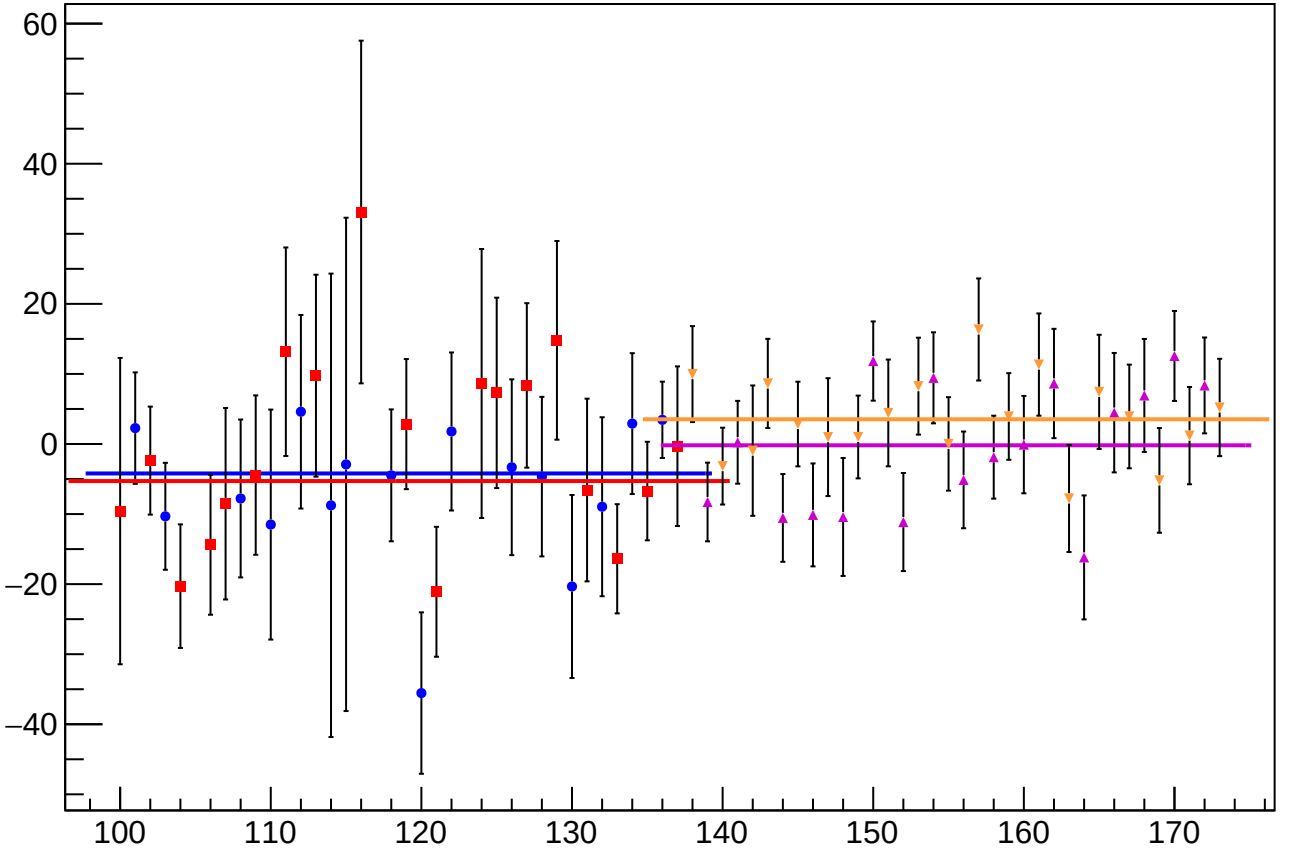
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 9468.552+/-1.492 χ^2/NDF:2001549.3/32

Out: 9353.282+/-1.437 χ^2/NDF:2368067.7/37

All: 9408.737+/-1.035 χ^2/NDF: 4372712.4/70

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.529+/-1.591 χ^2/NDF:12.5/18

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -0.187+/-1.648 χ^2/NDF:29.0/16

Left: 1.737+/-1.145 χ^2/NDF: 44.1/35

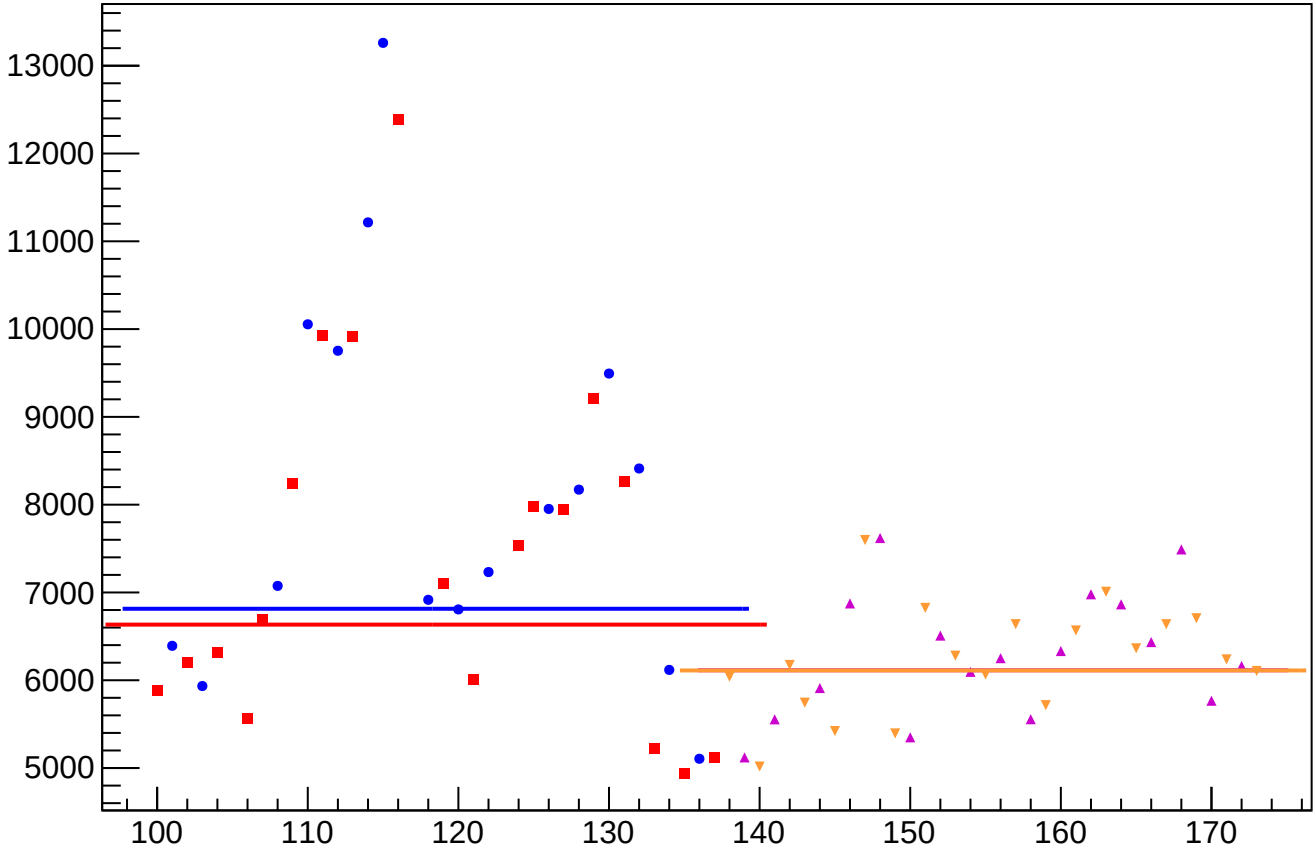
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -1.338+/-1.392 χ^2/NDF:44.6/32

Out: 0.991+/-1.342 χ^2/NDF:41.1/37

All: -0.131+/-0.966 χ^2/NDF: 87.1/70

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6111.670+/-1.125 χ^2/NDF:302846.1/18

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 6113.768+/-1.166 χ^2/NDF:337510.2/16

Left: 6112.682+/-0.809 χ^2/NDF: 640358.0/35

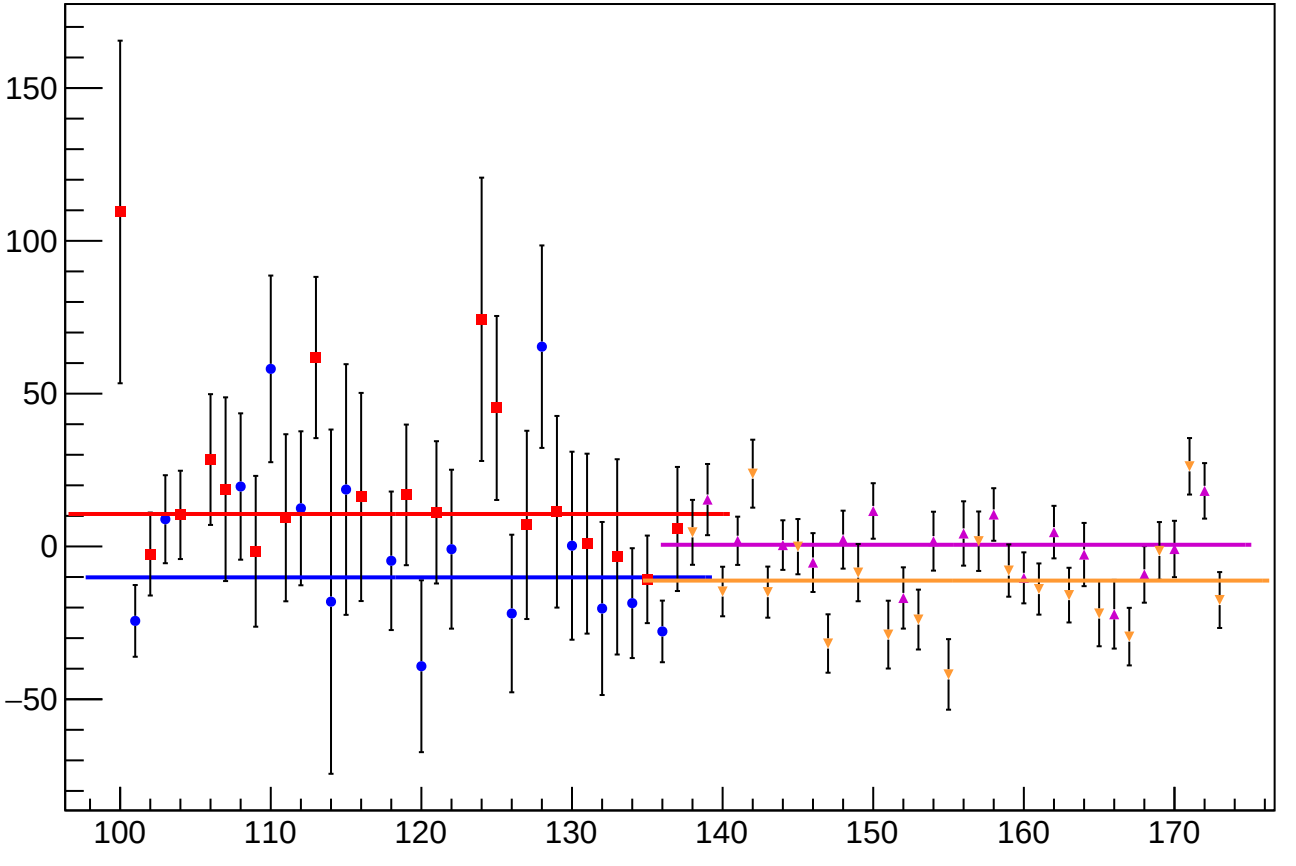
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6314.556+/-0.984 χ^2/NDF:1115145.2/32

Out: 6261.927+/-0.949 χ^2/NDF:1128197.1/37

All: 6287.283+/-0.683 χ^2/NDF: 2244823.4/70

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -11.171+/-2.167 χ^2/NDF:55.0/18

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 0.550+/-2.255 χ^2/NDF:19.0/16

Left: -5.544+/-1.563 χ^2/NDF: 88.1/35

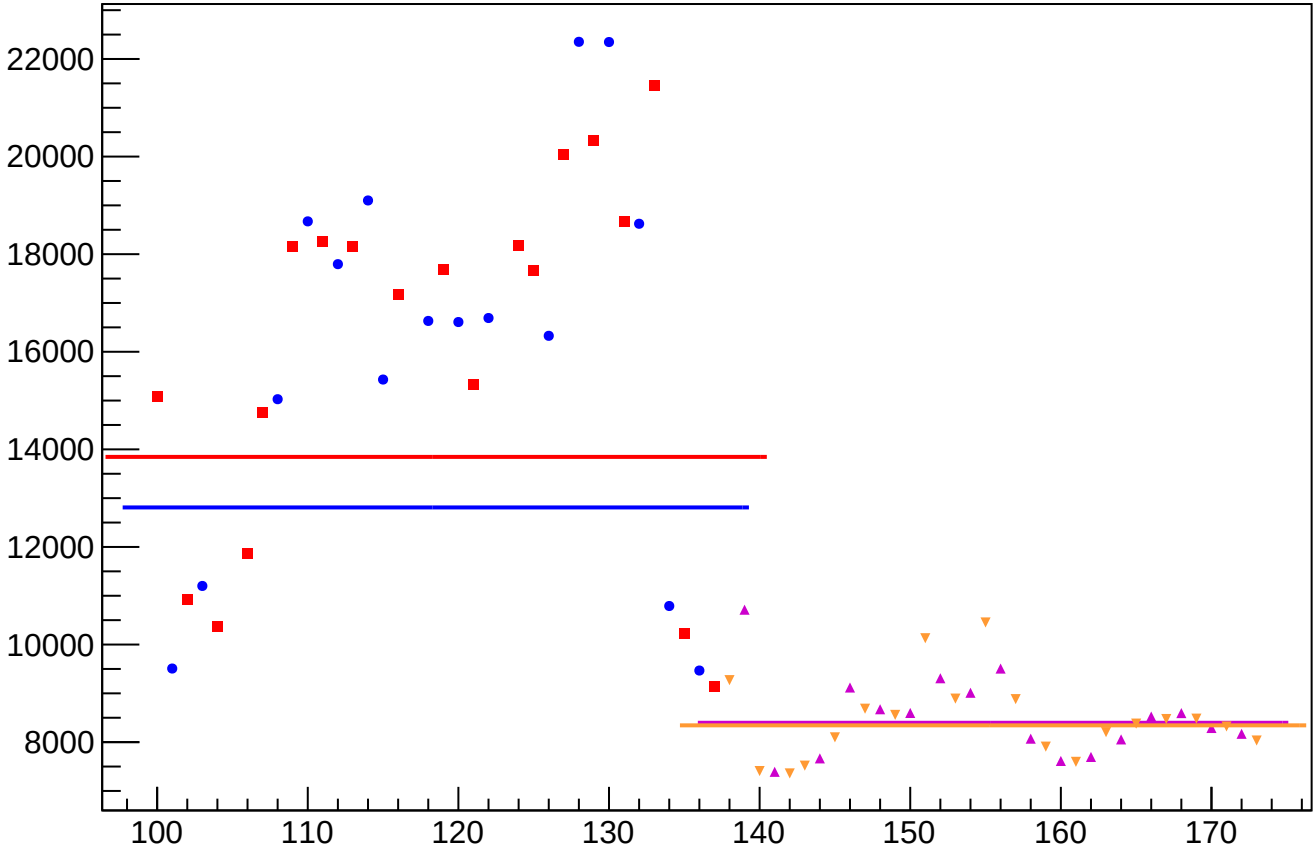
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -1.242+/-2.057 χ^2/NDF:44.0/32

Out: -8.026+/-2.005 χ^2/NDF:84.4/37

All: -4.721+/-1.436 χ^2/NDF: 134.0/70

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8344.272+/-1.532 χ^2/NDF:237798.2/18

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 8396.851+/-1.595 χ^2/NDF:227225.7/16

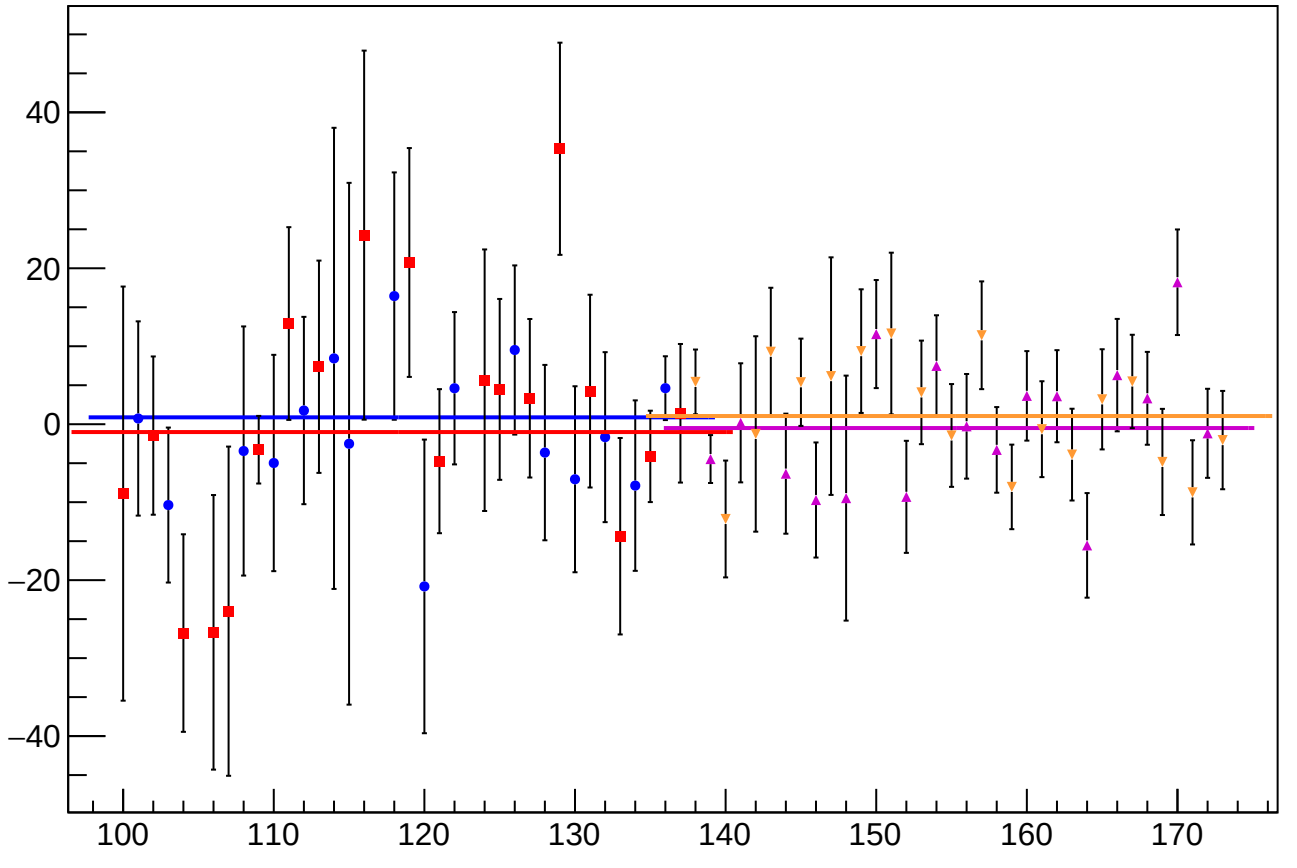
Left: 8369.513+/-1.105 χ^2/NDF: 465589.0/35

Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 9138.702+/-1.455 χ^2/NDF:2762727.7/32

Out: 9138.284+/-1.418 χ^2/NDF:3194528.4/37

All: 9138.487+/-1.015 χ^2/NDF: 5957256.1/70



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 1.050+/-1.515 χ^2/NDF:18.1/18

Right Out: -1.006+/-2.314 χ^2/NDF: 22.3/18

Left In: -0.491+/-1.470 χ^2/NDF:25.4/16

Left: 0.256+/-1.055 χ^2/NDF: 44.0/35

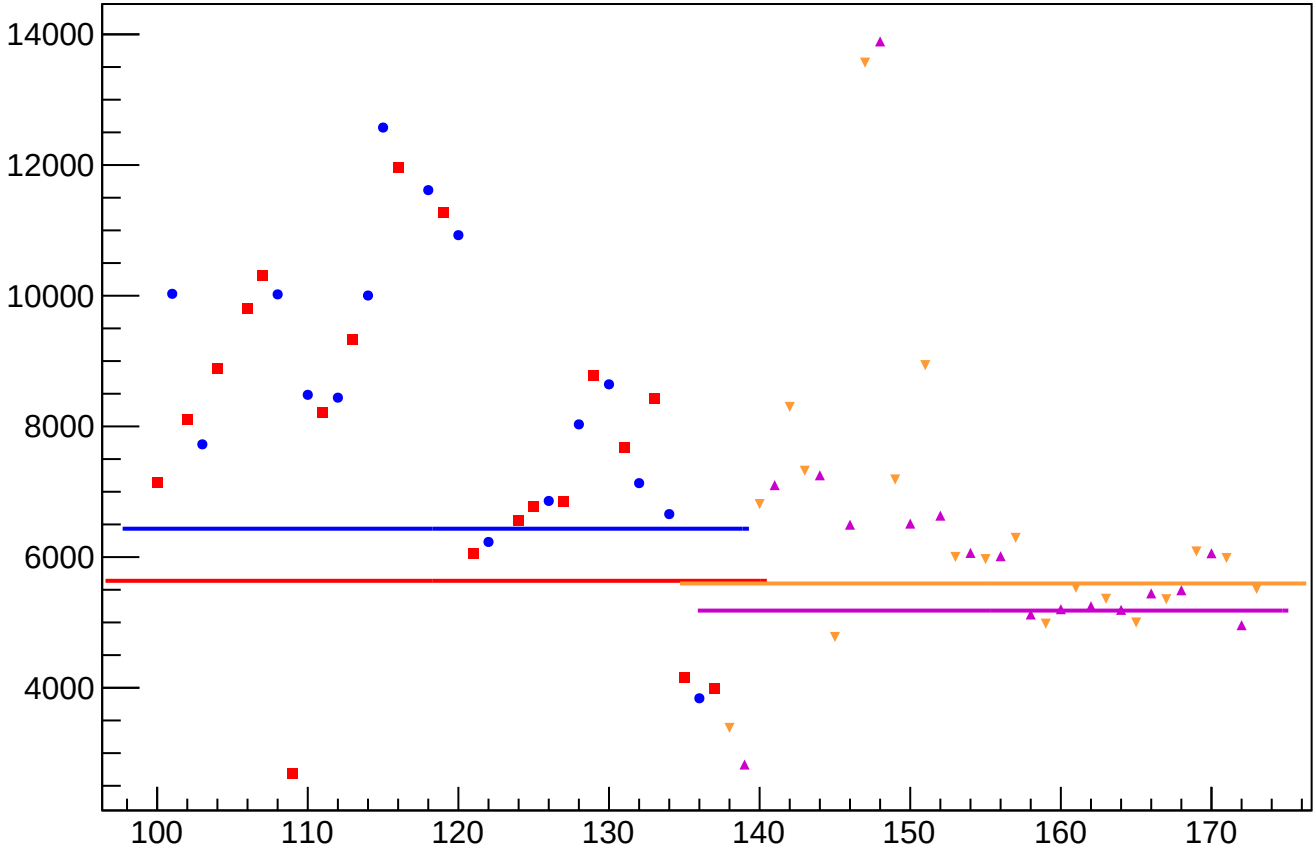
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -0.152+/-1.276 χ^2/NDF:32.5/32

Out: 0.433+/-1.268 χ^2/NDF:41.0/37

All: 0.143+/-0.899 χ^2/NDF: 73.5/70

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5596.174+/-1.071 χ^2/NDF:1779628.6/18

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5181.450+/-1.039 χ^2/NDF:2394128.3/16

Left: 5382.532+/-0.746 χ^2/NDF: 4250941.9/35

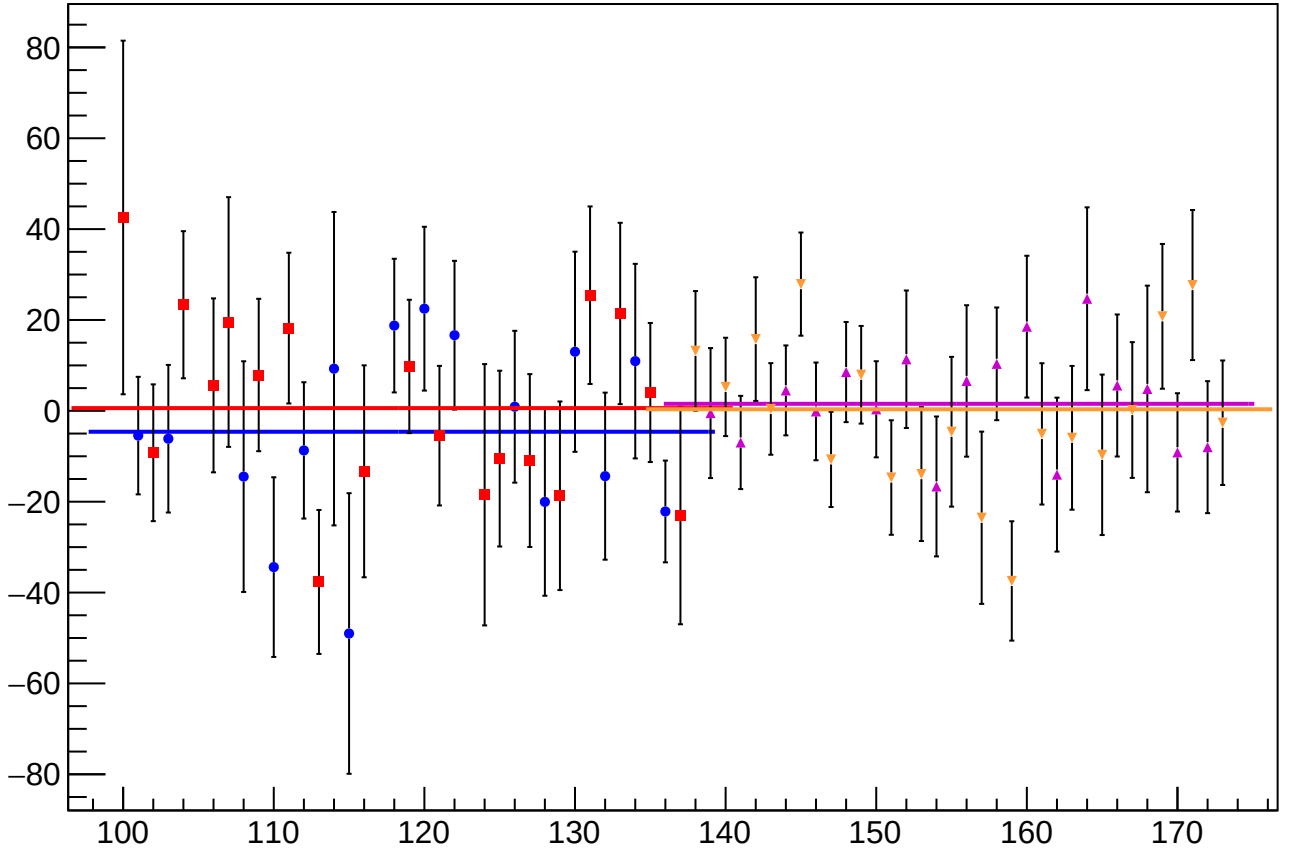
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5491.070+/-0.902 χ^2/NDF:4503839.7/32

Out: 5608.530+/-0.896 χ^2/NDF:4360085.3/37

All: 5550.166+/-0.636 χ^2/NDF: 8872457.8/70

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: 0.345+/-3.058 χ^2/NDF:27.3/18

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 1.549+/-3.231 χ^2/NDF:8.2/16

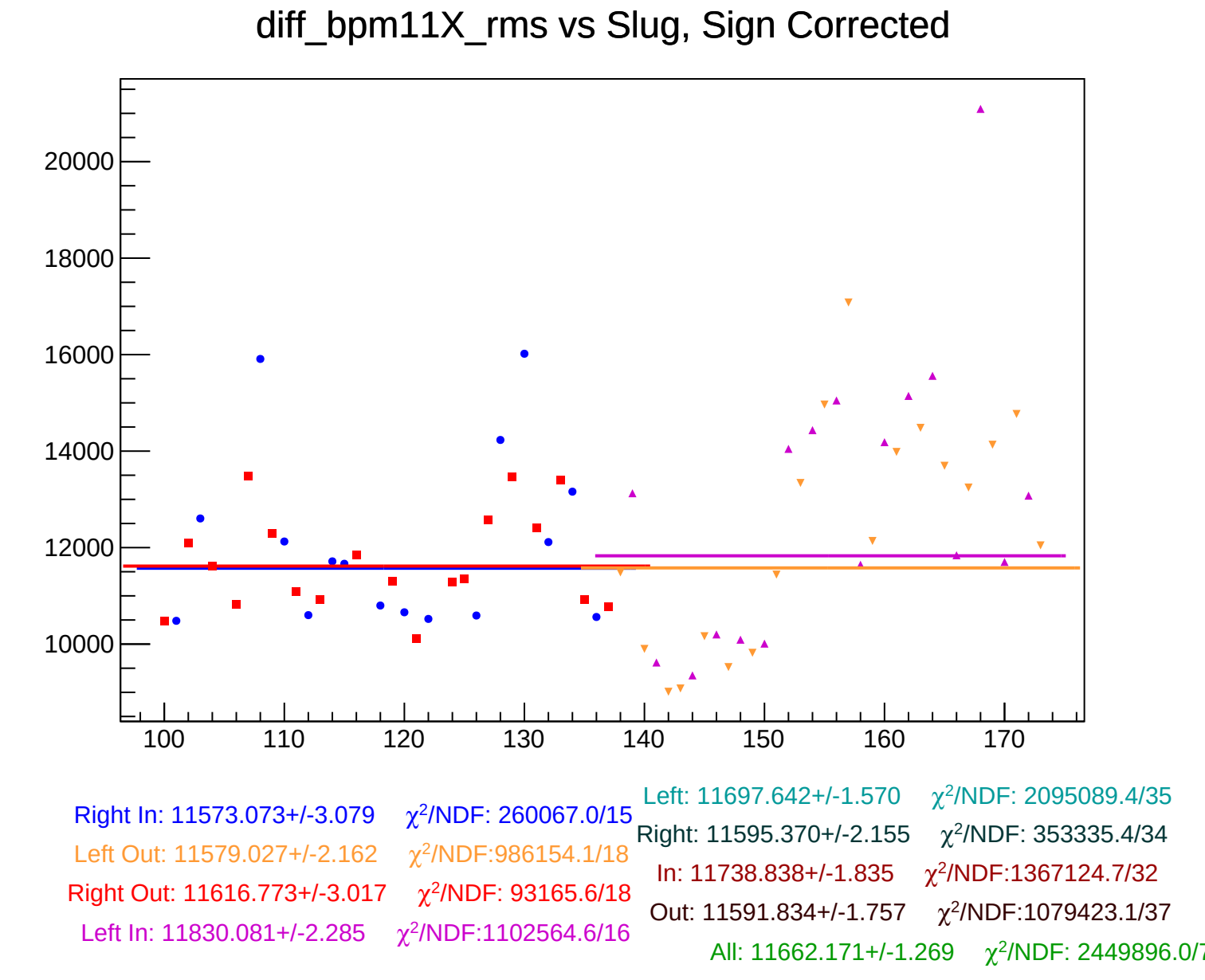
Left: 0.914+/-2.221 χ^2/NDF: 35.6/35

Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

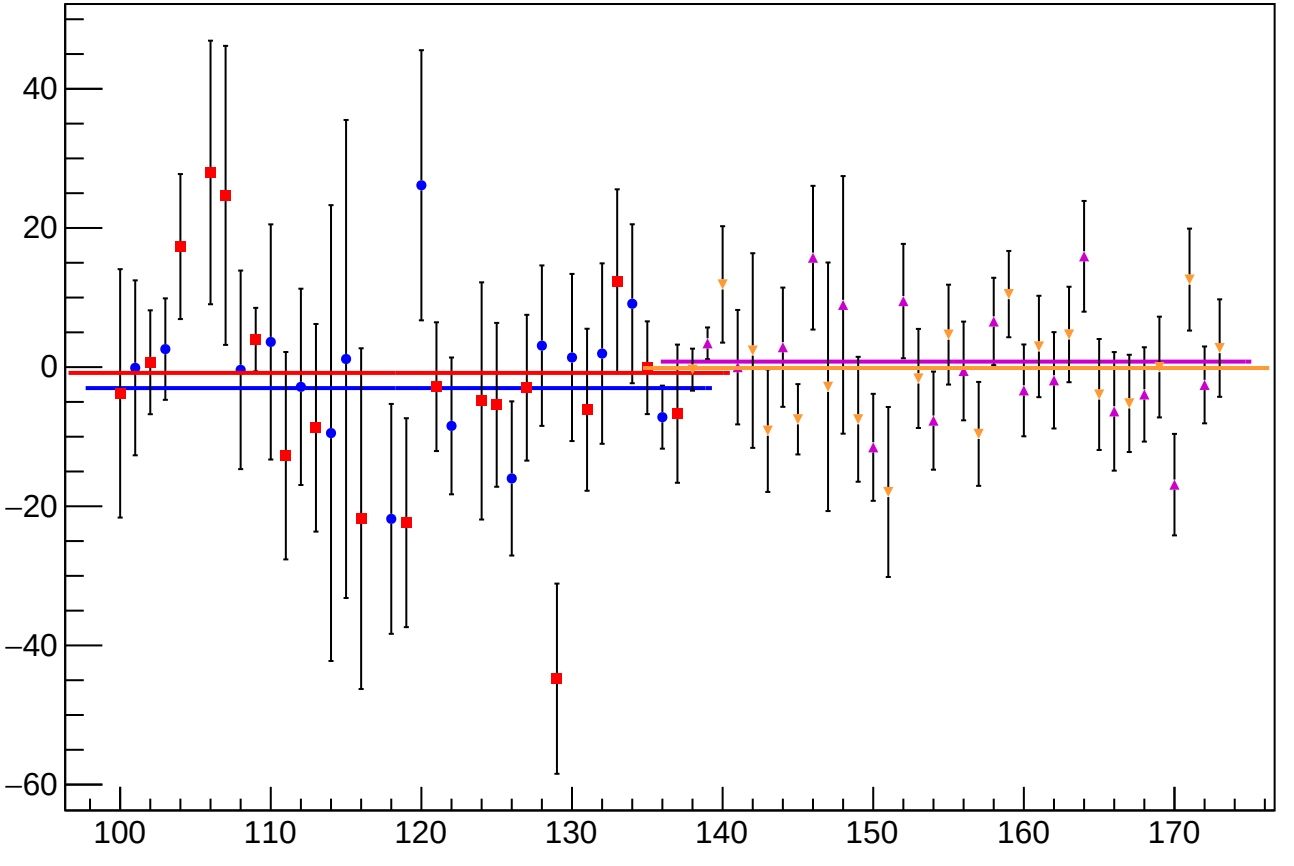
In: -0.635+/-2.595 χ^2/NDF:25.3/32

Out: 0.431+/-2.485 χ^2/NDF:45.2/37

All: -0.079+/-1.795 χ^2/NDF: 70.5/70


diff_bpm11X_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
100
110
120
130
140
150
160
170
Right In: 11573.073+/-3.079 χ²/NDF: 260067.0/15
Left Out: 11579.027+/-2.162 χ²/NDF:986154.1/18
Right Out: 11616.773+/-3.017 χ²/NDF: 93165.6/18
Left In: 11830.081+/-2.285 χ²/NDF:1102564.6/16
Left: 11697.642+/-1.570 χ²/NDF: 2095089.4/35
Right: 11595.370+/-2.155 χ²/NDF: 353335.4/34
In: 11738.838+/-1.835 χ²/NDF:1367124.7/32
Out: 11591.834+/-1.757 χ²/NDF:1079423.1/37
All: 11662.171+/-1.269 χ²/NDF: 2449896.0/7

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -0.129+/-1.541 χ^2/NDF:17.7/18

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 0.793+/-1.448 χ^2/NDF:21.3/16

Left: 0.360+/-1.055 χ^2/NDF: 39.2/35

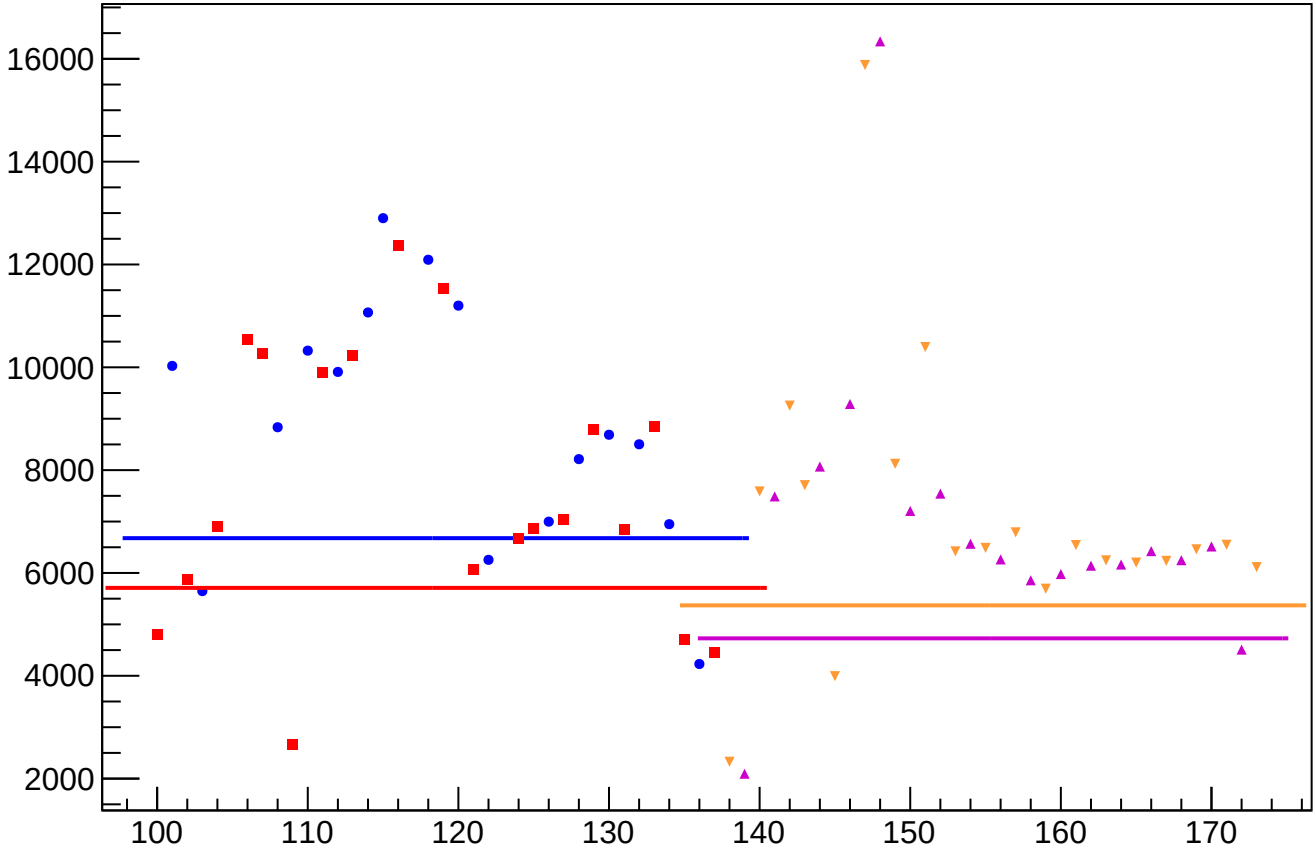
Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: -0.081+/-1.271 χ^2/NDF:31.5/32

Out: -0.340+/-1.289 χ^2/NDF:41.6/37

All: -0.209+/-0.905 χ^2/NDF: 73.2/70

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5369.846+/-1.090 χ^2/NDF:4261537.0/18

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 4728.158+/-1.024 χ^2/NDF:5633143.8/16

Left: 5029.021+/-0.746 χ^2/NDF: 10078786.1/35

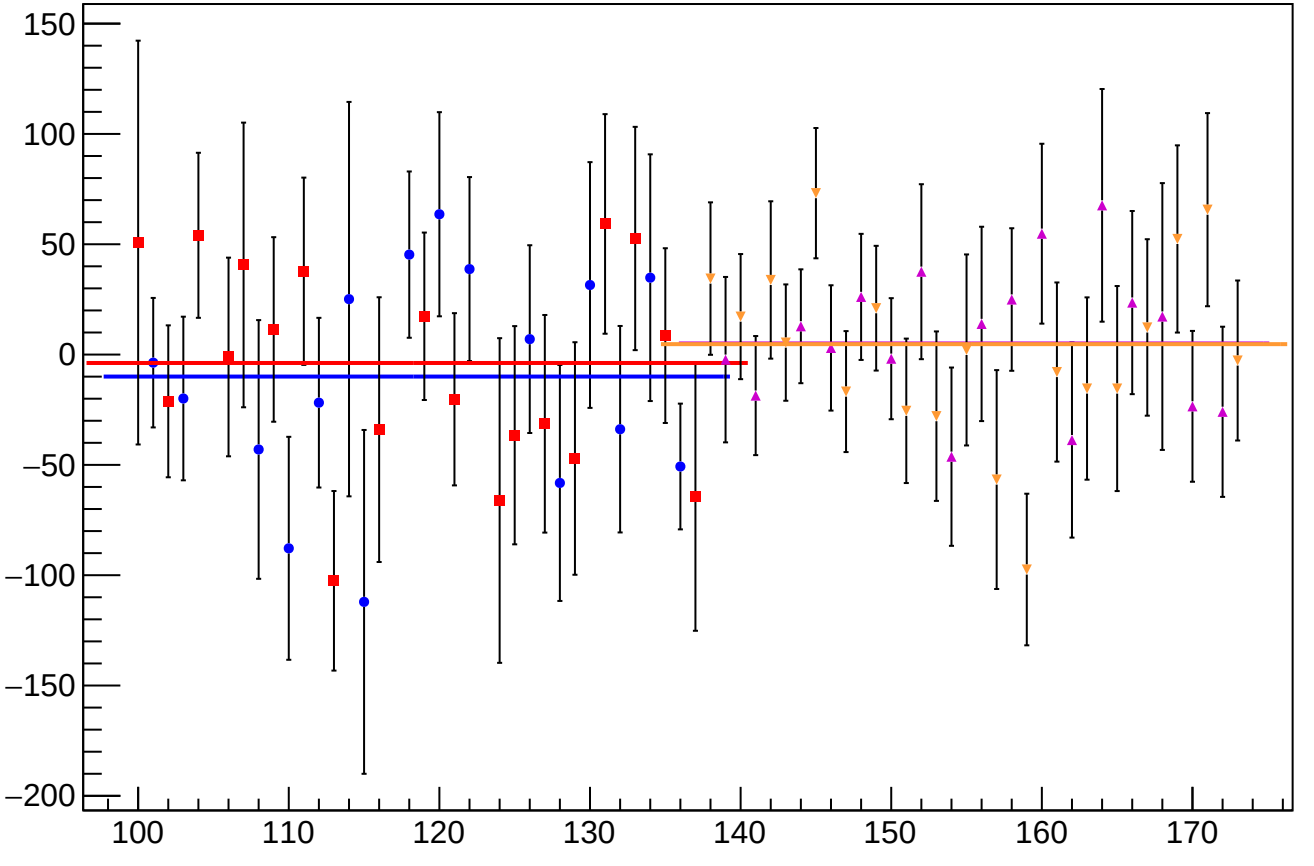
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 5175.284+/-0.899 χ^2/NDF:8036934.3/32

Out: 5472.013+/-0.912 χ^2/NDF:6591816.2/37

All: 5321.576+/-0.640 χ^2/NDF: 14682472.0/7

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 4.723+/-8.018 χ^2/NDF:23.7/18

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 5.039+/-8.465 χ^2/NDF:9.7/16

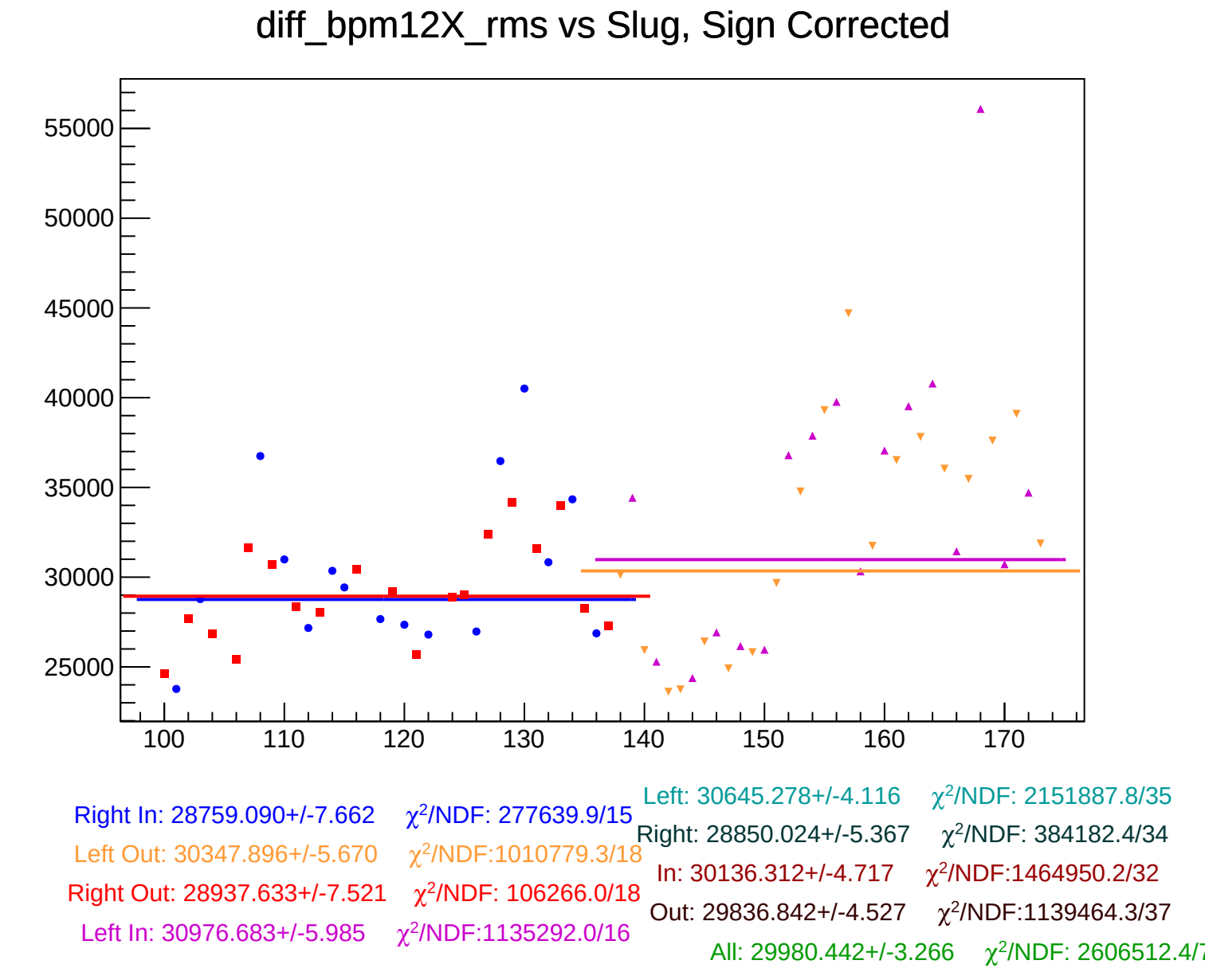
Left: 4.873+/-5.821 χ^2/NDF: 33.3/35

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

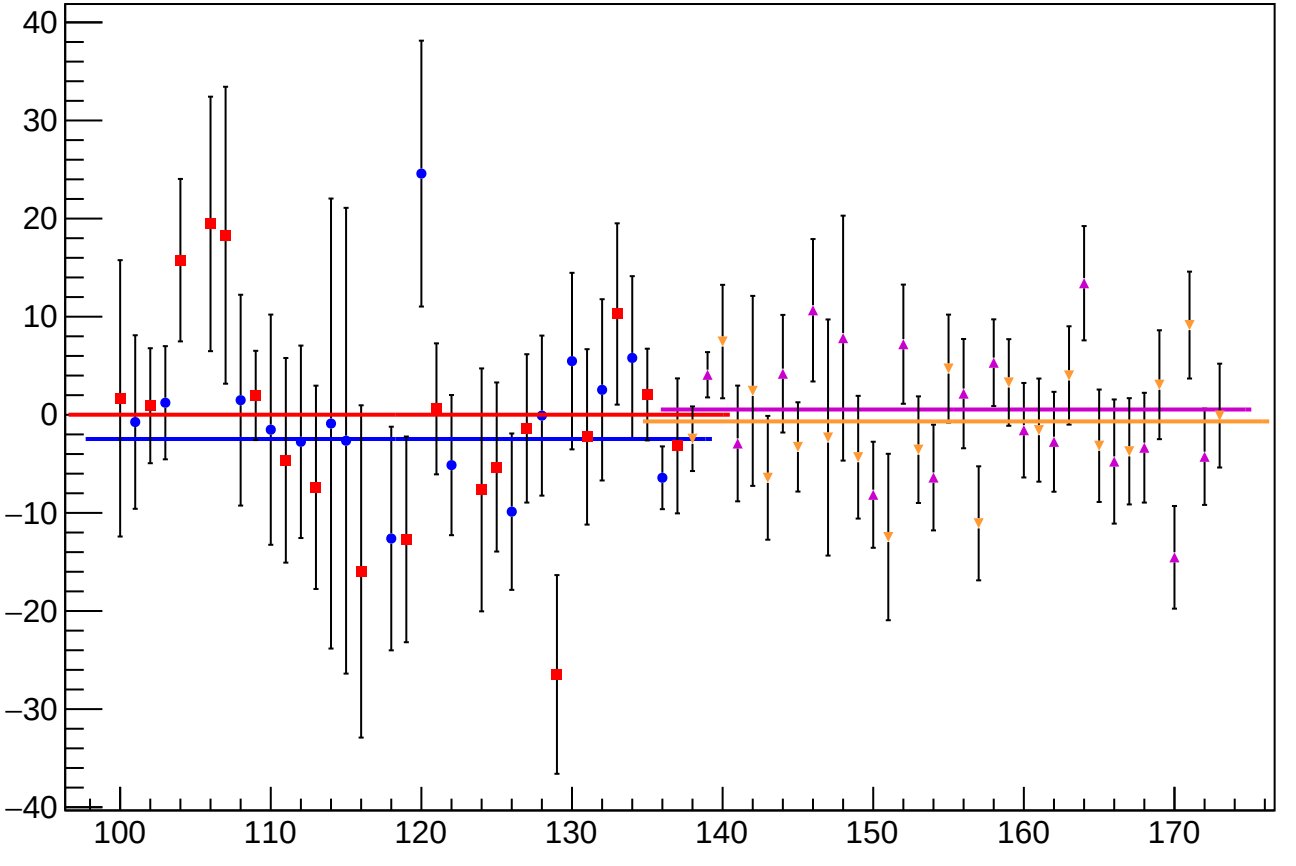
In: -0.648+/-6.671 χ^2/NDF:26.2/32

Out: 1.630+/-6.403 χ^2/NDF:41.4/37

All: 0.537+/-4.619 χ^2/NDF: 67.6/70


diff_bpm12X_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 30347.896+/-5.670 χ²/NDF:1010779.3/18
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 30976.683+/-5.985 χ²/NDF:1135292.0/16
Left: 30645.278+/-4.116 χ²/NDF: 2151887.8/35
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30136.312+/-4.717 χ²/NDF:1464950.2/32
Out: 29836.842+/-4.527 χ²/NDF:1139464.3/37
All: 29980.442+/-3.266 χ²/NDF: 2606512.4/7

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -0.673+/-1.247 χ^2/NDF:16.2/18

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 0.539+/-1.200 χ^2/NDF:28.0/16

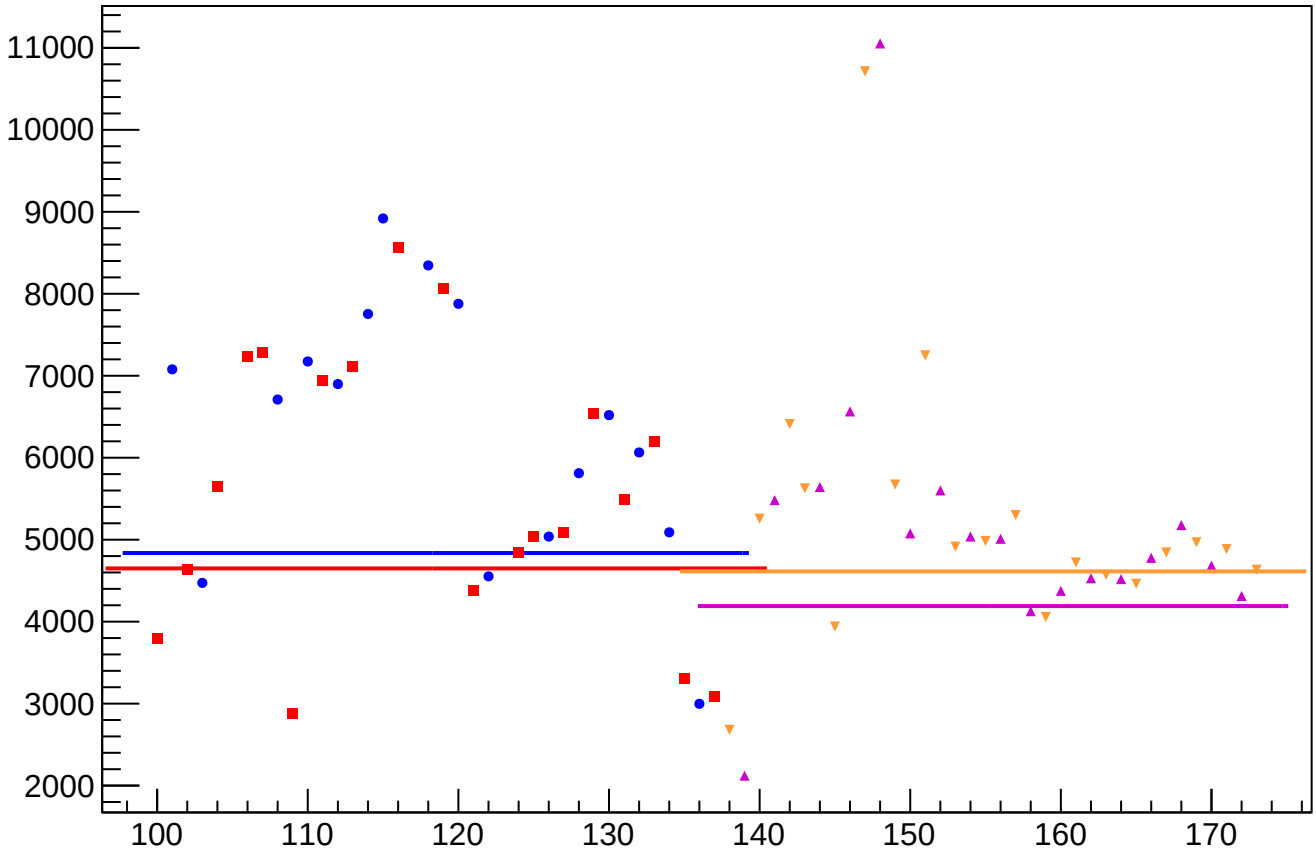
Left: -0.044+/-0.865 χ^2/NDF: 44.6/35

Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: -0.308+/-1.017 χ^2/NDF:39.8/32

Out: -0.456+/-1.030 χ^2/NDF:36.2/37

All: -0.381+/-0.724 χ^2/NDF: 76.0/70



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4613.353+/-0.882 χ^2/NDF:1737577.0/18

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

Left In: 4190.086+/-0.848 χ^2/NDF:3011132.3/16

Left: 4393.503+/-0.611 χ^2/NDF: 4868358.2/35

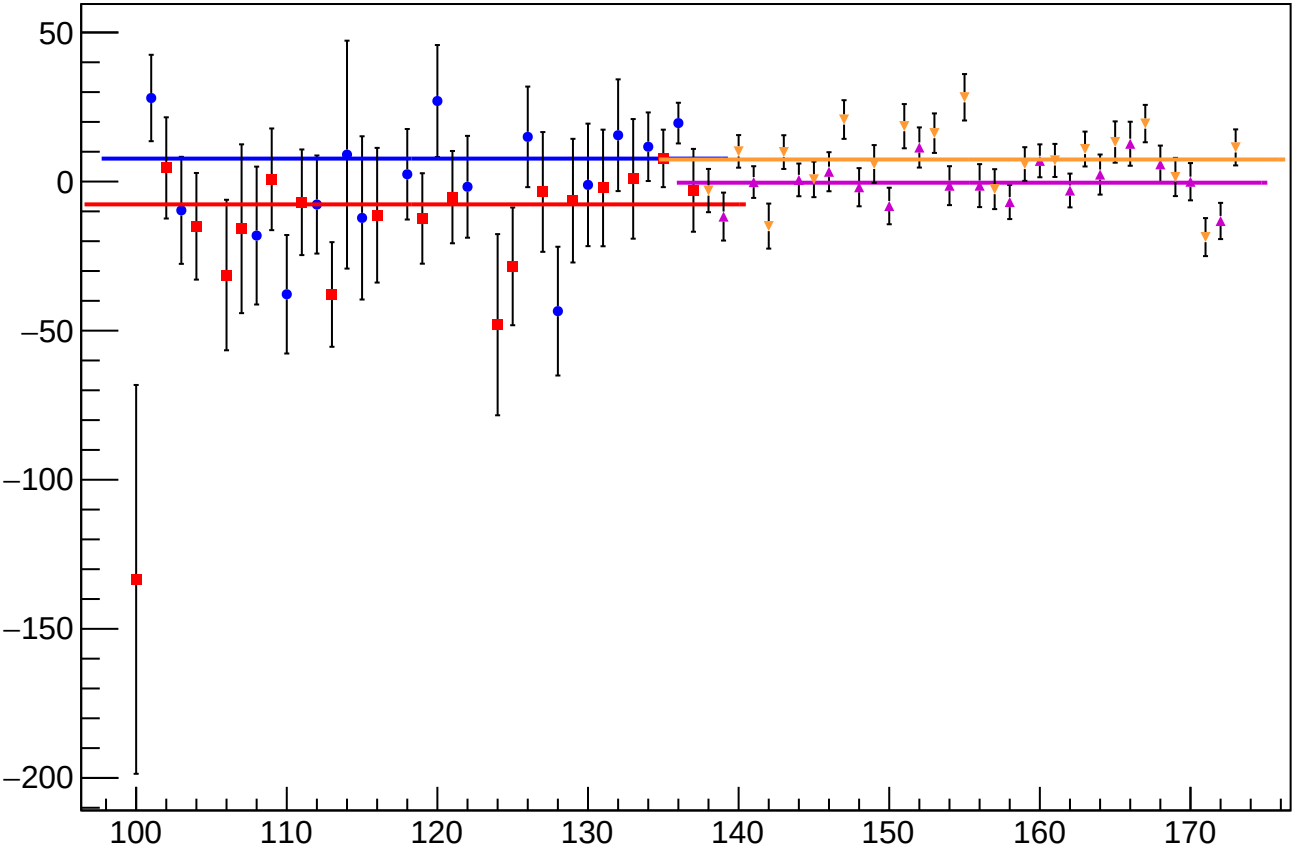
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4372.376+/-0.719 χ^2/NDF:4722820.0/32

Out: 4624.869+/-0.729 χ^2/NDF:3172662.6/37

All: 4496.955+/-0.512 χ^2/NDF: 7956338.0/70

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 7.401+/-1.453 χ^2/NDF:53.1/18

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: -0.382+/-1.514 χ^2/NDF:19.1/16

Left: 3.669+/-1.048 χ^2/NDF: 86.0/35

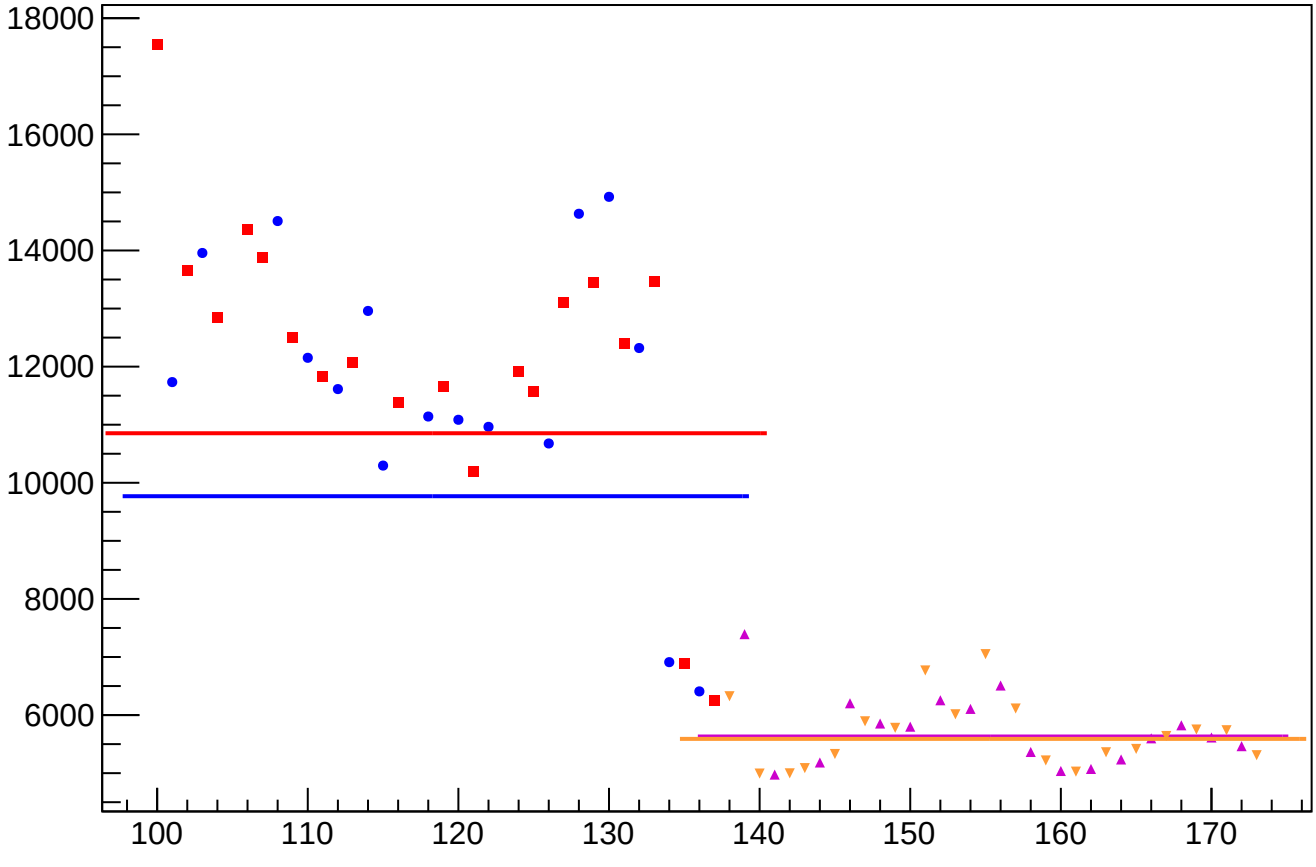
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 0.715+/-1.407 χ^2/NDF:44.6/32

Out: 5.721+/-1.369 χ^2/NDF:79.6/37

All: 3.286+/-0.981 χ^2/NDF: 130.7/70

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5590.215+/-1.027 χ^2/NDF:264183.2/18

Right Out: 10852.989+/-2.899 χ^2/NDF: 874500.2/18

Left In: 5631.066+/-1.070 χ^2/NDF:273866.6/16

Left: 5609.802+/-0.741 χ^2/NDF: 538808.1/35

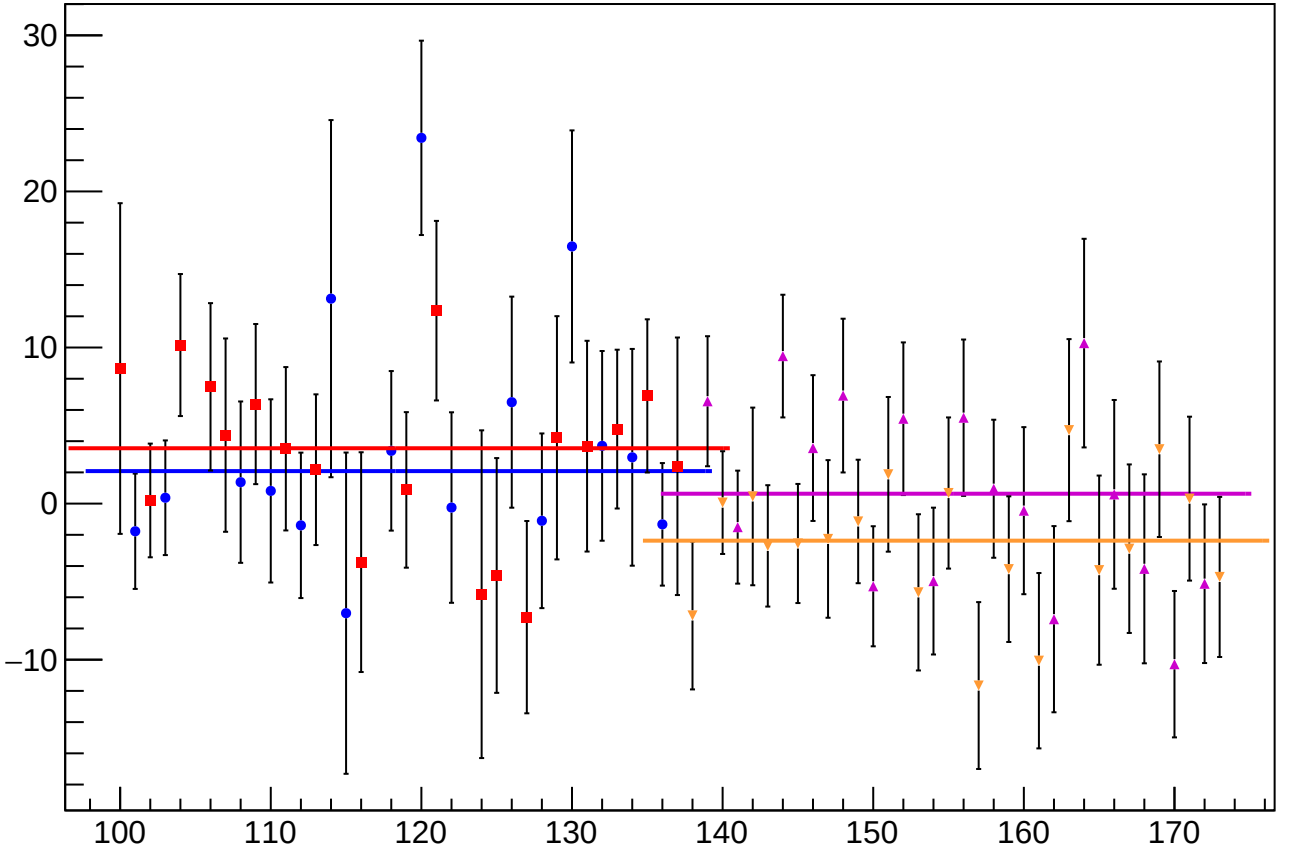
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 6192.649+/-0.995 χ^2/NDF:3515840.0/32

Out: 6177.477+/-0.968 χ^2/NDF:4067358.3/37

All: 6184.856+/-0.694 χ^2/NDF: 7583317.7/70

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.374+/-1.092 χ^2/NDF:11.7/18

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 0.633+/-1.150 χ^2/NDF:26.4/16

Left: -0.949+/-0.792 χ^2/NDF: 41.7/35

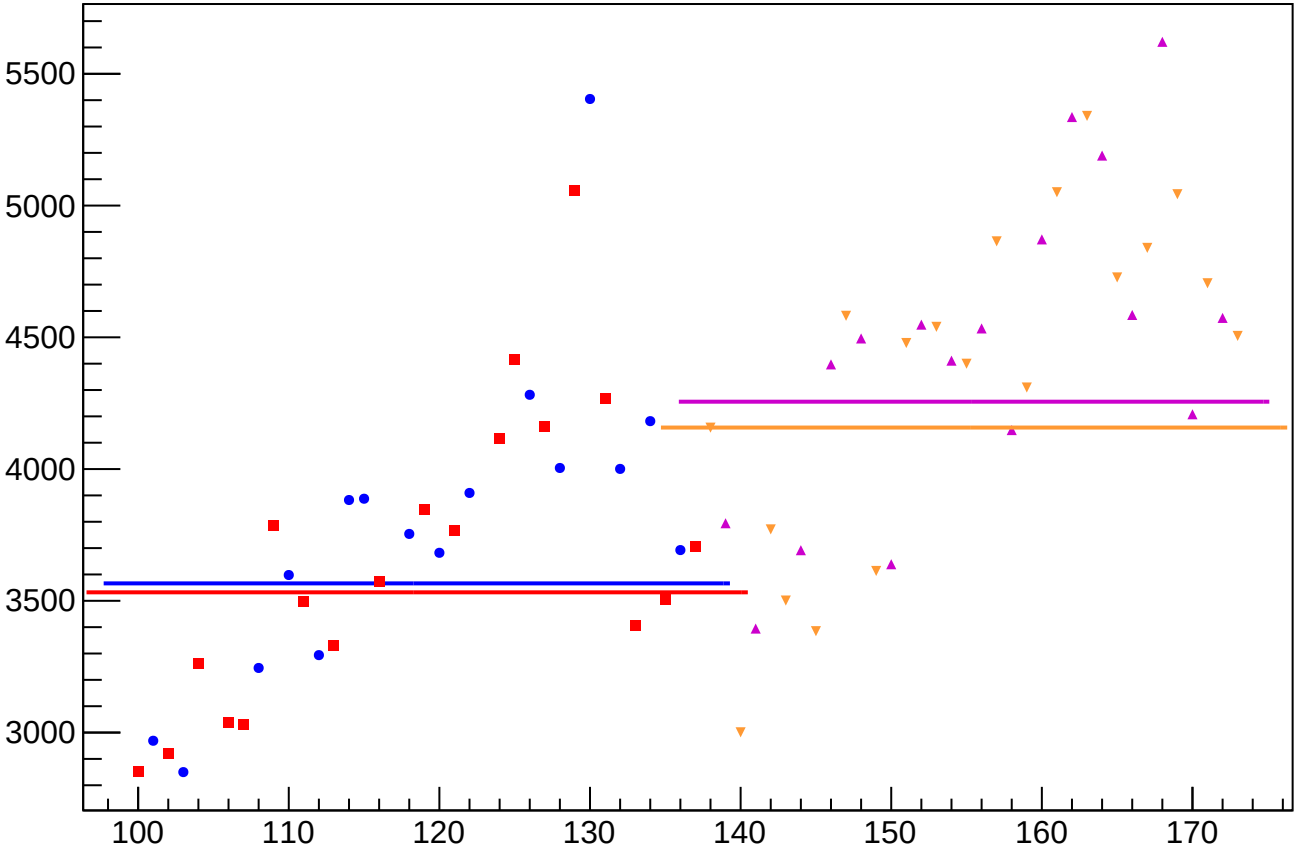
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 1.245+/-0.874 χ^2/NDF:48.0/32

Out: 0.066+/-0.837 χ^2/NDF:37.2/37

All: 0.630+/-0.605 χ^2/NDF: 86.2/70

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4157.571+/-0.772 χ^2/NDF:772371.2/18

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 4255.679+/-0.813 χ^2/NDF:500482.5/16

Left: 4204.076+/-0.560 χ^2/NDF: 1280504.7/35

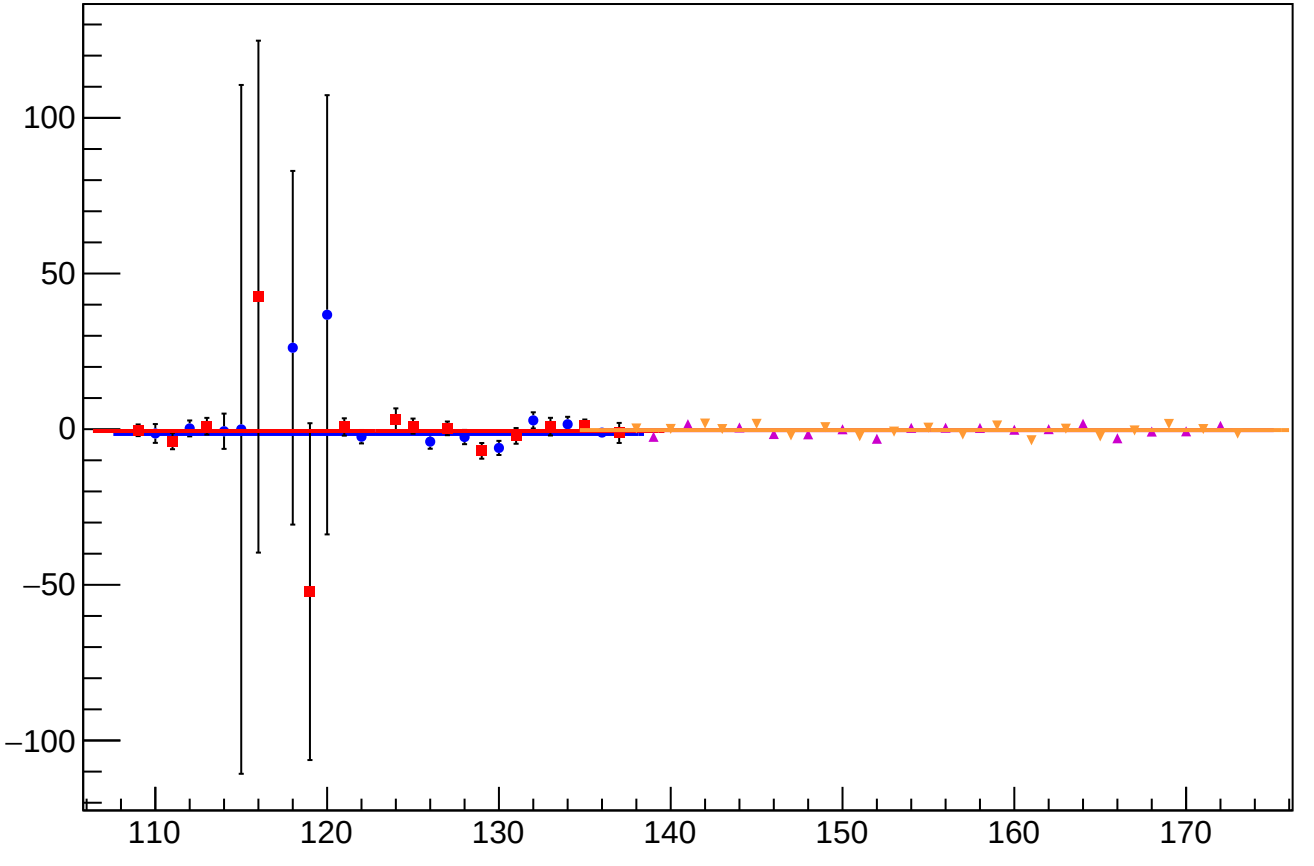
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3964.437+/-0.618 χ^2/NDF:1145069.9/32

Out: 3899.800+/-0.592 χ^2/NDF:1321391.4/37

All: 3930.721+/-0.428 χ^2/NDF: 2472163.0/70

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.296+/-0.264 χ^2/NDF:30.3/18

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: -0.303+/-0.273 χ^2/NDF:25.6/16

Left: -0.300+/-0.190 χ^2/NDF: 55.9/35

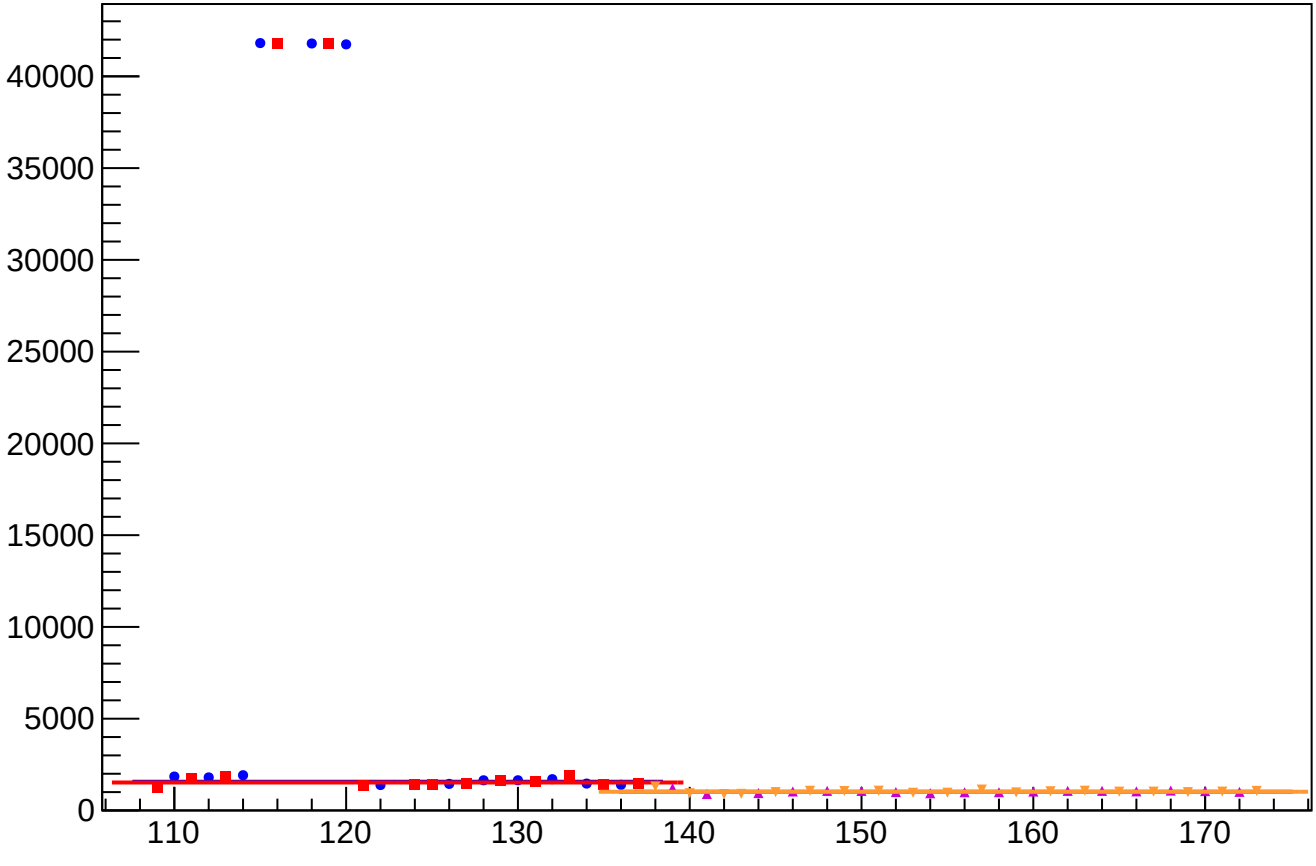
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.454+/-0.256 χ^2/NDF:39.2/29

Out: -0.331+/-0.248 χ^2/NDF:43.1/32

All: -0.390+/-0.178 χ^2/NDF: 82.4/62

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1018.118+/-0.187 χ^2/NDF:181321.2/18

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1020.164+/-0.193 χ^2/NDF:123897.9/16

Left: 1019.105+/-0.134 χ^2/NDF: 305277.0/35

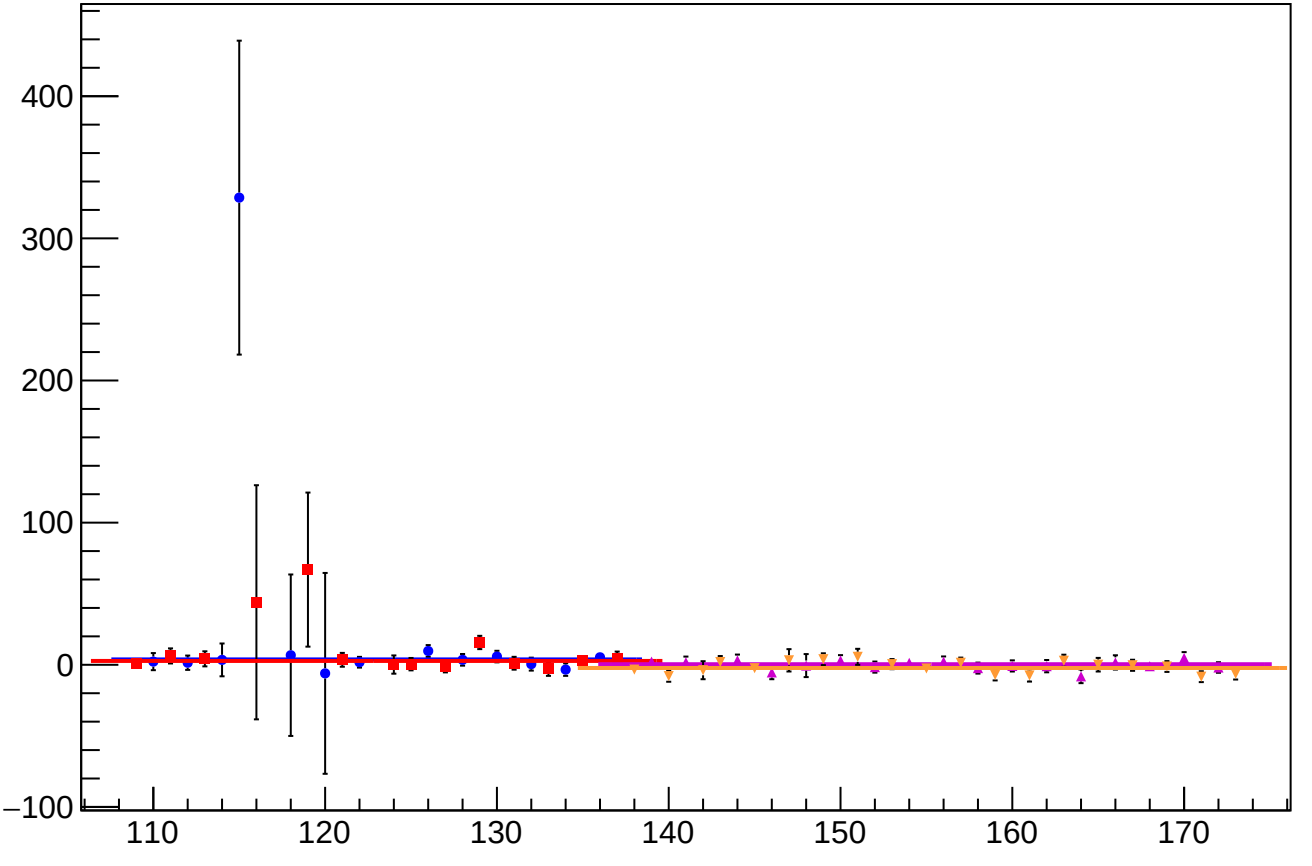
Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1086.698+/-0.181 χ^2/NDF:3109048.1/29

Out: 1078.446+/-0.175 χ^2/NDF:2796434.2/32

All: 1082.433+/-0.126 χ^2/NDF: 5906554.6/62

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -2.243+/-0.884 χ^2/NDF:18.2/18

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 0.401+/-0.919 χ^2/NDF:9.5/16

Left: -0.972+/-0.637 χ^2/NDF: 32.0/35

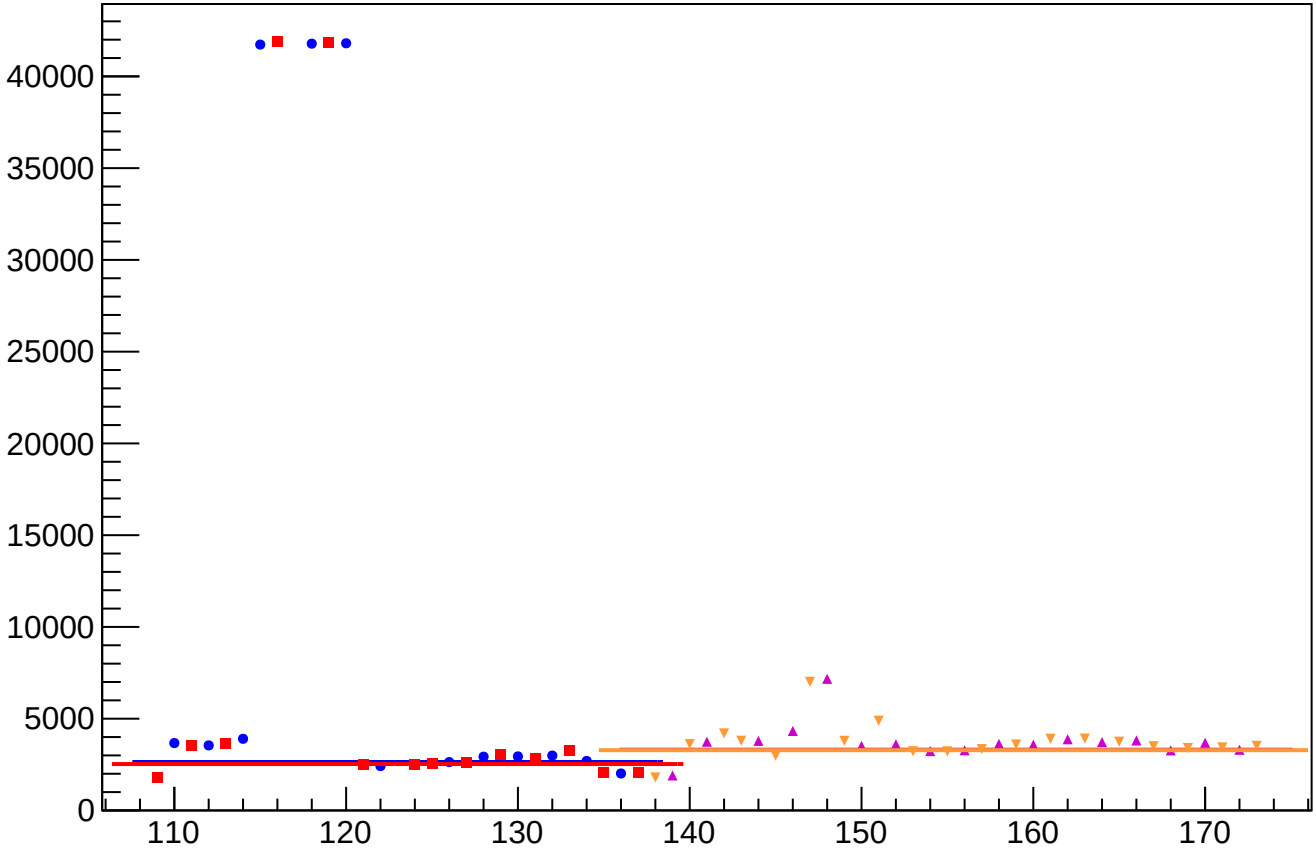
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 1.588+/-0.740 χ^2/NDF:29.4/29

Out: -0.521+/-0.714 χ^2/NDF:42.7/32

All: 0.496+/-0.514 χ^2/NDF: 76.4/62

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3284.366+/-0.625 χ^2/NDF:1880675.5/18

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3309.435+/-0.650 χ^2/NDF:1608296.8/16

Left: 3296.413+/-0.451 χ^2/NDF: 3489744.9/35

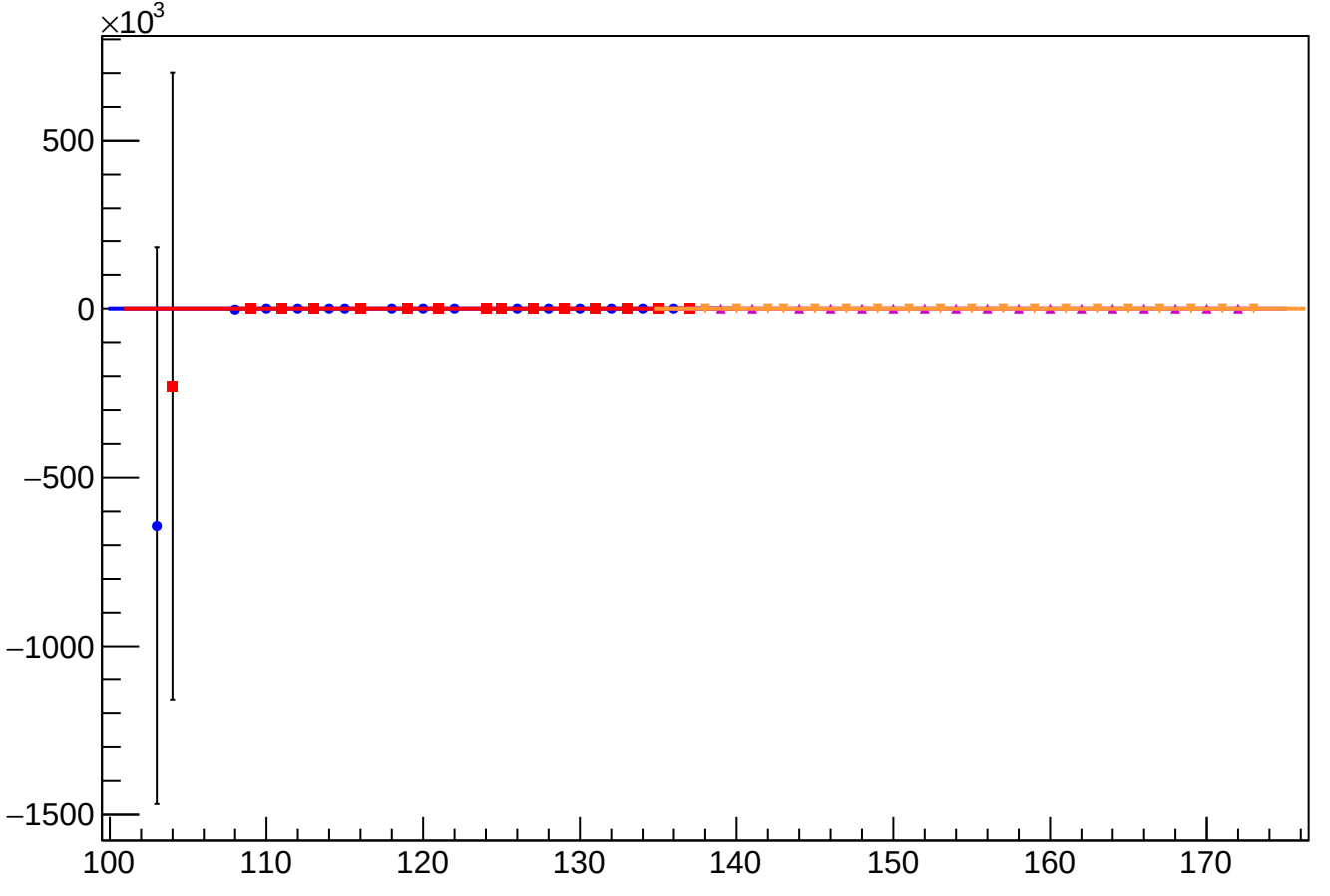
Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 3074.024+/-0.523 χ^2/NDF:4154673.1/29

Out: 3021.666+/-0.505 χ^2/NDF:4338153.4/32

All: 3046.905+/-0.363 χ^2/NDF: 8498009.2/62

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.886+/-0.412 χ^2/NDF:43.4/18

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: -0.011+/-0.428 χ^2/NDF:20.8/16

Left: -0.984+/-0.297 χ^2/NDF: 74.2/35

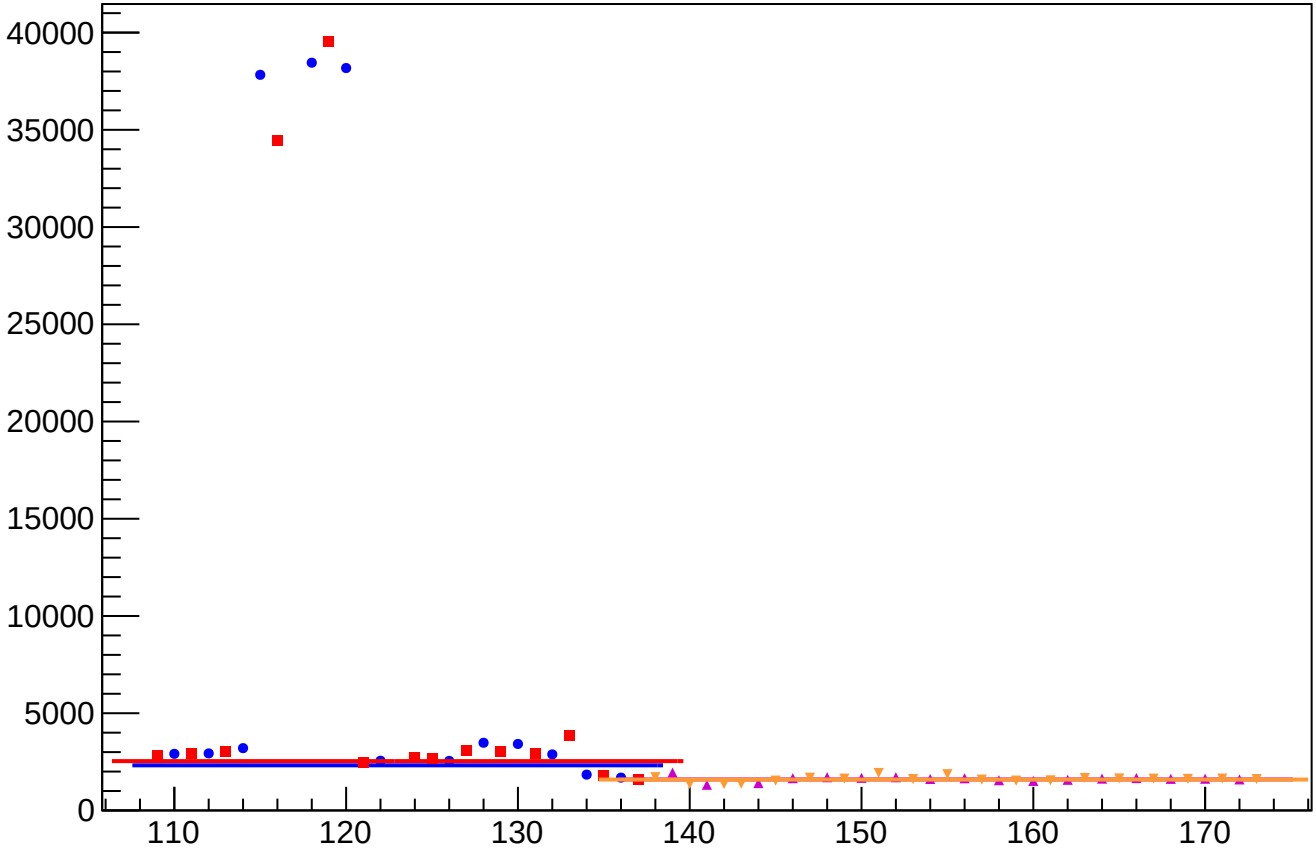
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.163+/-0.400 χ^2/NDF:40.6/31

Out: -1.412+/-0.390 χ^2/NDF:70.6/33

All: -0.803+/-0.279 χ^2/NDF: 116.2/65

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1588.634+/-0.292 χ^2/NDF:230419.5/18

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1594.858+/-0.303 χ^2/NDF:196049.8/16

Left: 1591.628+/-0.210 χ^2/NDF: 426688.5/35

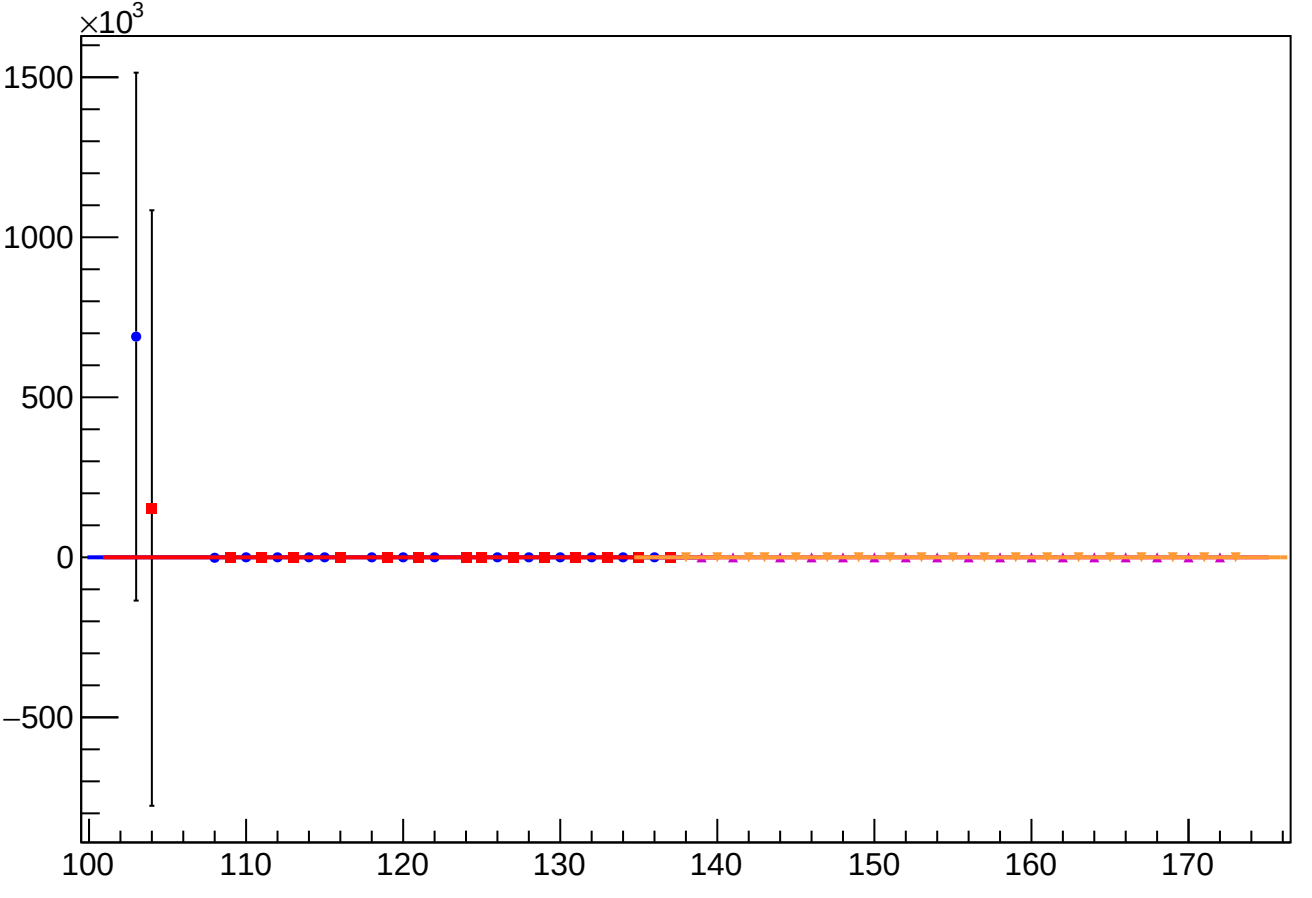
Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1686.646+/-0.283 χ^2/NDF:3383862.5/29

Out: 1687.196+/-0.276 χ^2/NDF:3368943.1/32

All: 1686.928+/-0.198 χ^2/NDF: 6752807.6/62

diff_bpm1p03aY_mean vs Slug, Sign Corrected



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -1.122+/-0.571 χ^2/NDF:21.3/18

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.051+/-0.568 χ^2/NDF:13.2/16

Left: -0.584+/-0.403 χ^2/NDF: 36.3/35

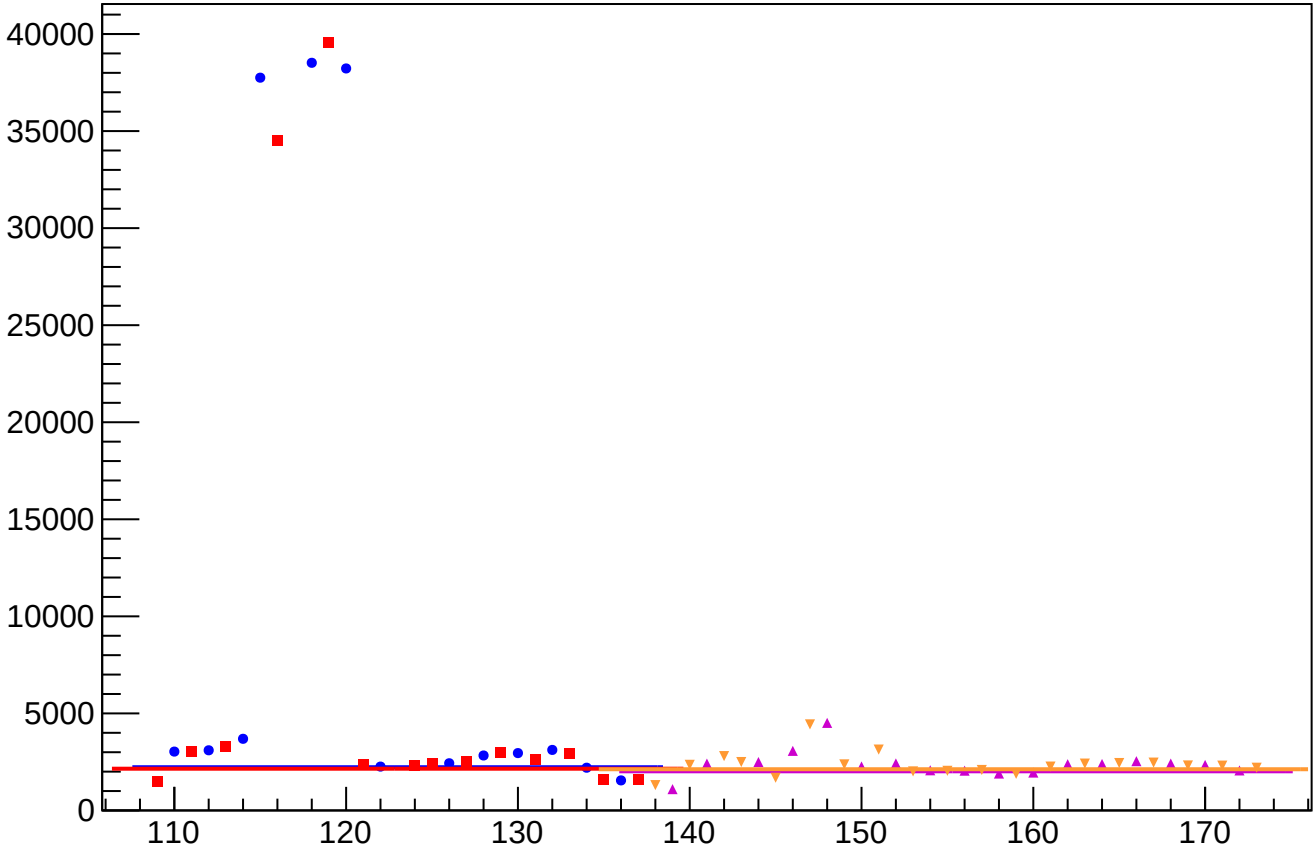
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.332+/-0.502 χ^2/NDF:20.3/31

Out: -0.435+/-0.502 χ^2/NDF:43.0/33

All: -0.052+/-0.355 χ^2/NDF: 64.4/65

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2123.414+/-0.404 χ^2/NDF:1467689.0/18

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 2017.304+/-0.402 χ^2/NDF:2244021.8/16

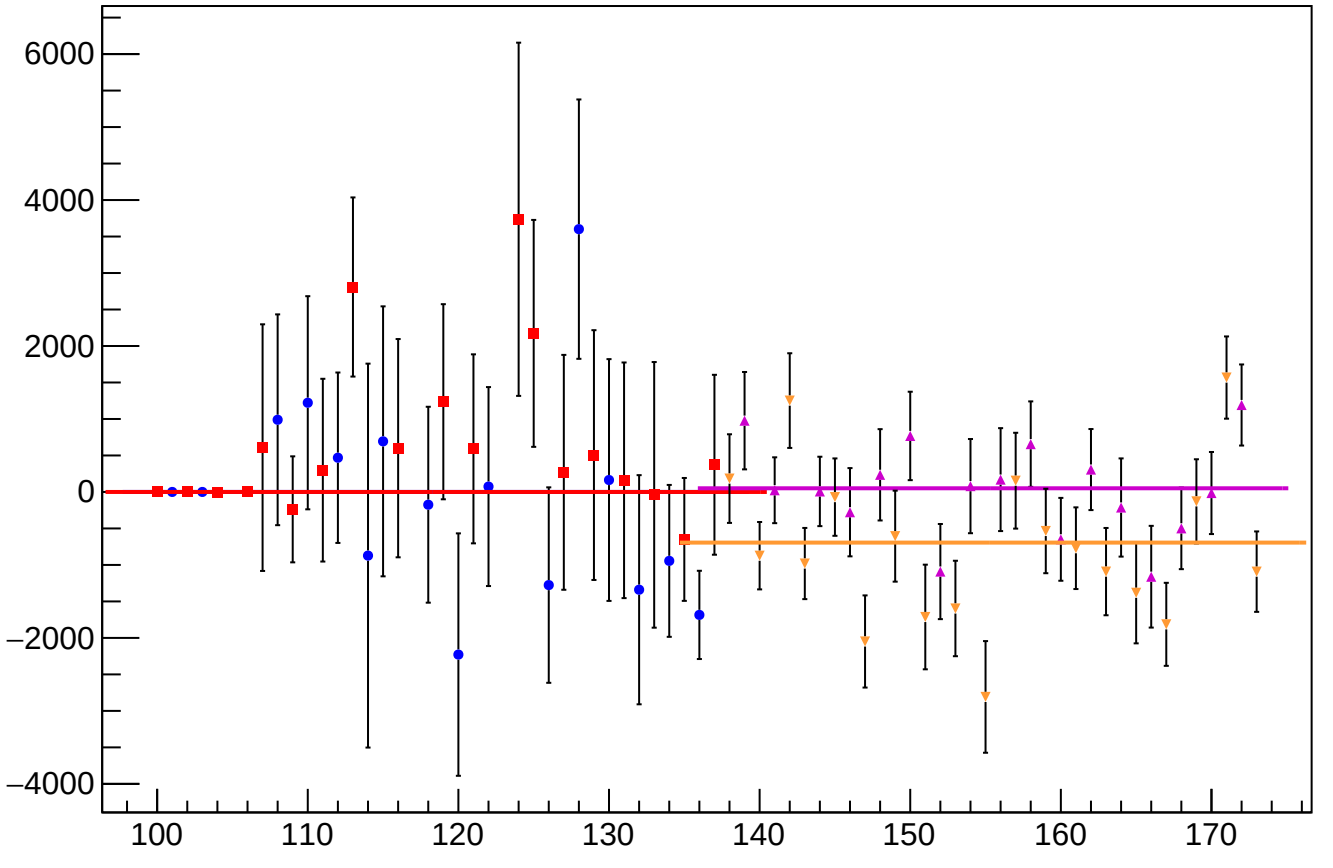
Left: 2070.055+/-0.285 χ^2/NDF: 3746402.9/35

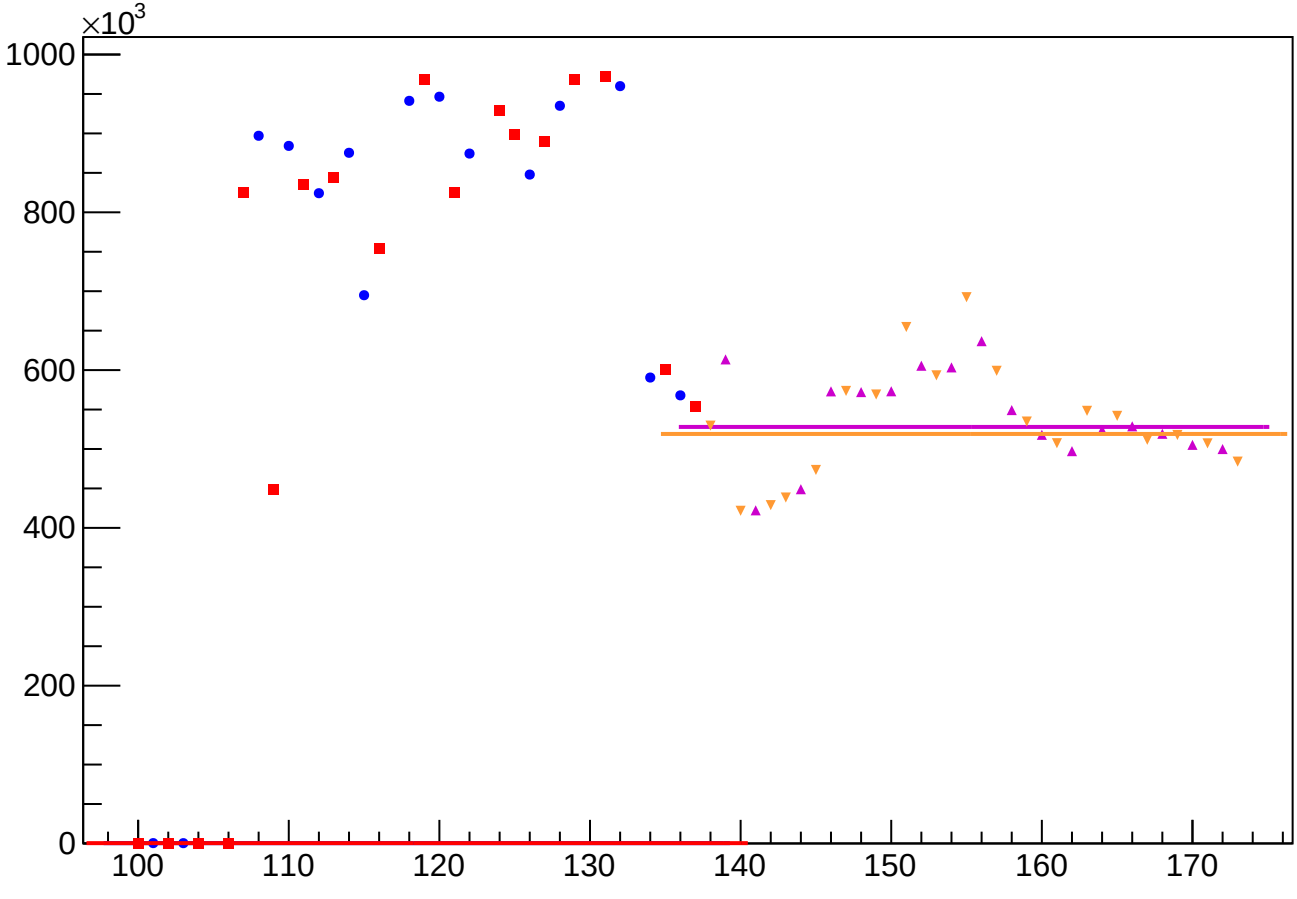
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 2062.973+/-0.355 χ^2/NDF:4825647.1/29

Out: 2129.664+/-0.355 χ^2/NDF:3700061.2/32

All: 2096.342+/-0.251 χ^2/NDF: 8543342.7/62


diff_cav4bX_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: 0.255+/-0.356 χ²/NDF: 17.7/15
Left Out: -693.934+/-135.416 χ²/NDF:53.8/18
Right Out: -0.096+/-0.328 χ²/NDF: 15.4/18
Left In: 50.343+/-142.150 χ²/NDF:18.0/16
Left: -339.842+/-98.048 χ²/NDF: 86.2/35
Right: 0.065+/-0.241 χ²/NDF: 33.7/34
In: 0.256+/-0.356 χ²/NDF:35.9/32
Out: -0.100+/-0.328 χ²/NDF:95.5/37
All: 0.063+/-0.241 χ²/NDF: 131.9/70



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 519061.282+/-95.753 χ^2/NDF:473933.7/18

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 527964.446+/-100.515 χ^2/NDF:351538.0/16

Left: 523296.996+/-69.330 χ^2/NDF: 829584.7/35

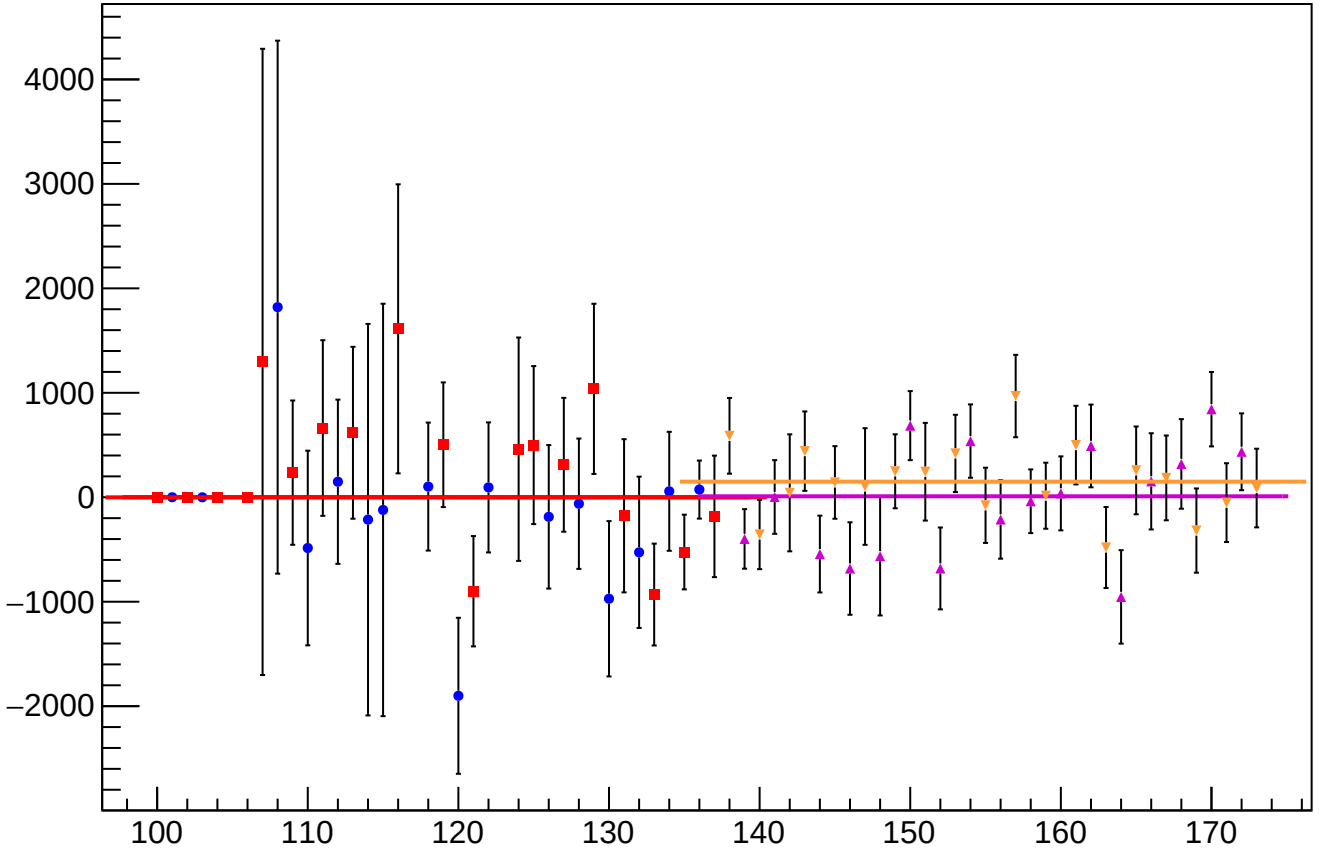
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 402.184+/-0.251 χ^2/NDF:36391250.1/31

Out: 396.279+/-0.232 χ^2/NDF:37463018.5/36

All: 398.991+/-0.170 χ^2/NDF: 73854566.7/68

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 149.140+/-88.399 χ^2/NDF:15.2/18

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: 9.237+/-90.409 χ^2/NDF:31.3/16

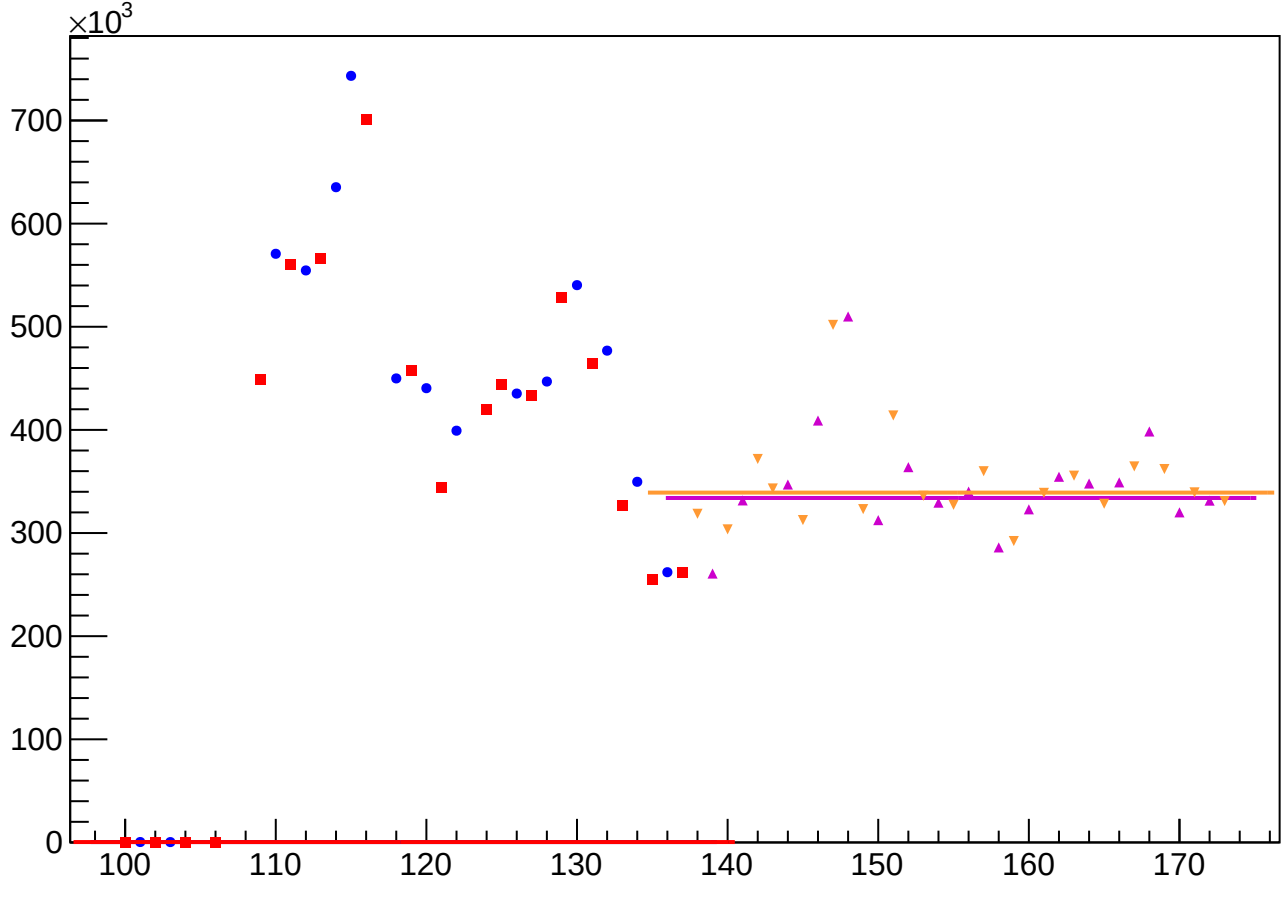
Left: 80.760+/-63.206 χ^2/NDF: 47.7/35

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.020+/-0.347 χ^2/NDF:41.8/32

Out: -0.597+/-0.324 χ^2/NDF:33.1/37

All: -0.329+/-0.237 χ^2/NDF: 76.3/70



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 339204.112+/-62.508 χ^2/NDF:345359.6/18

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 333988.896+/-63.933 χ^2/NDF:514398.2/16

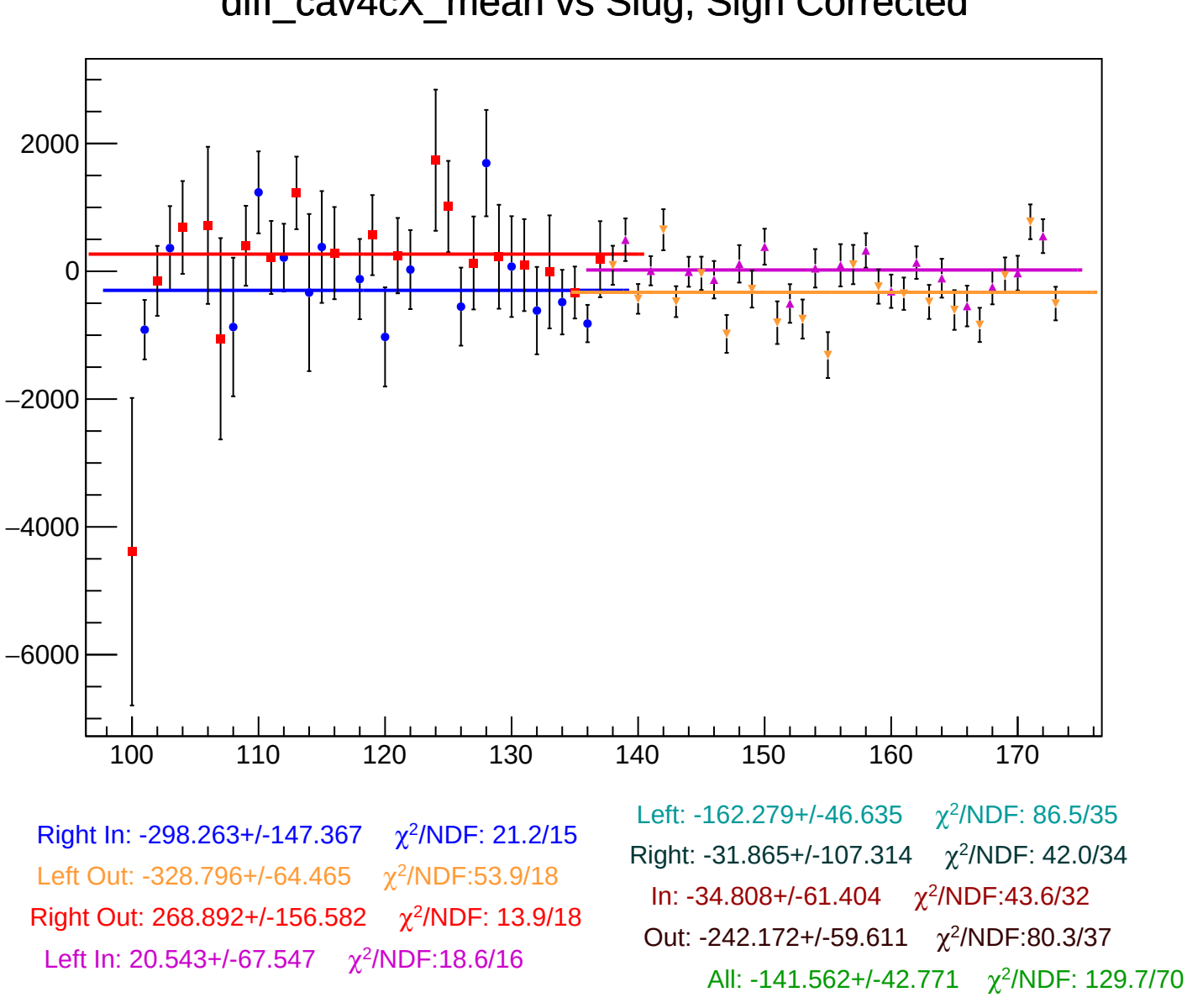
Left: 336655.275+/-44.695 χ^2/NDF: 863159.9/35

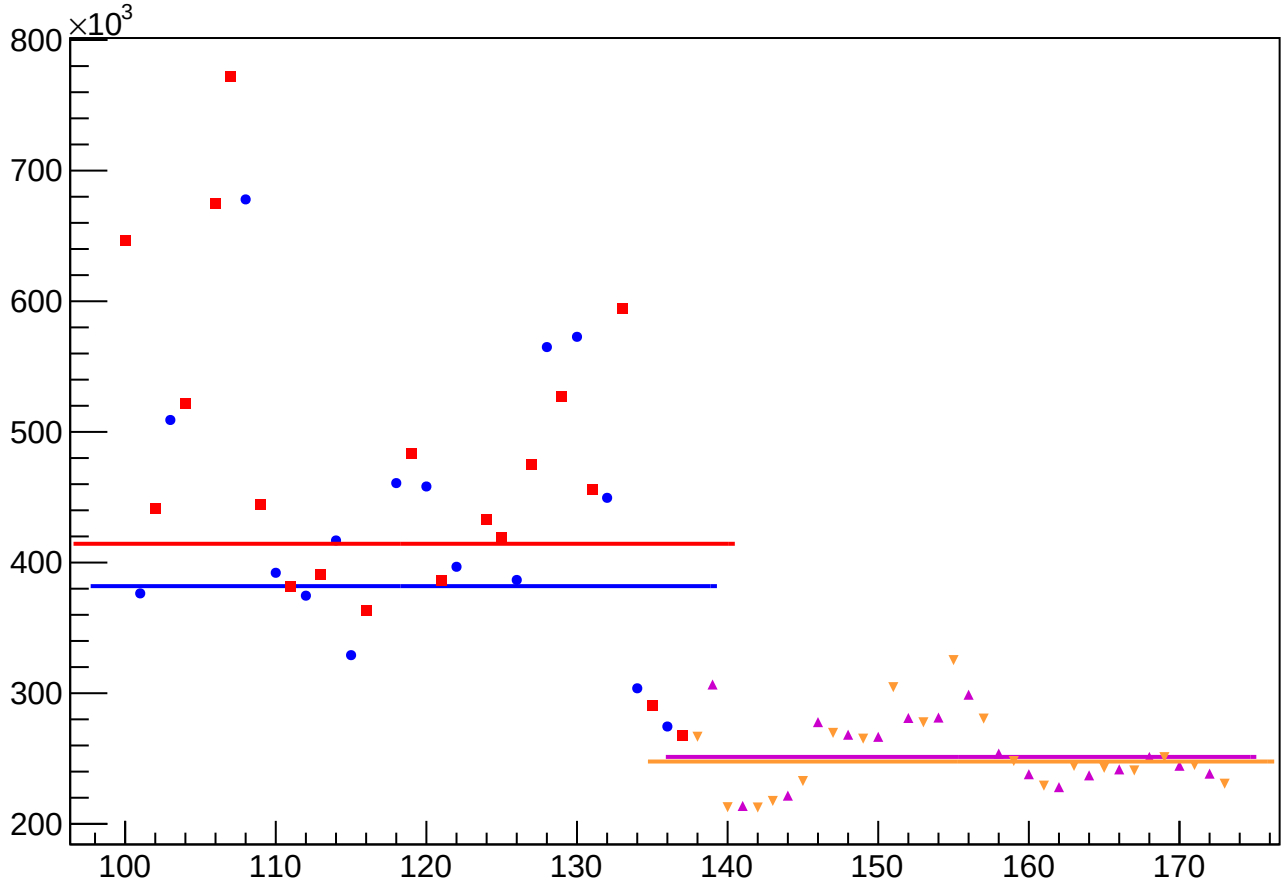
Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

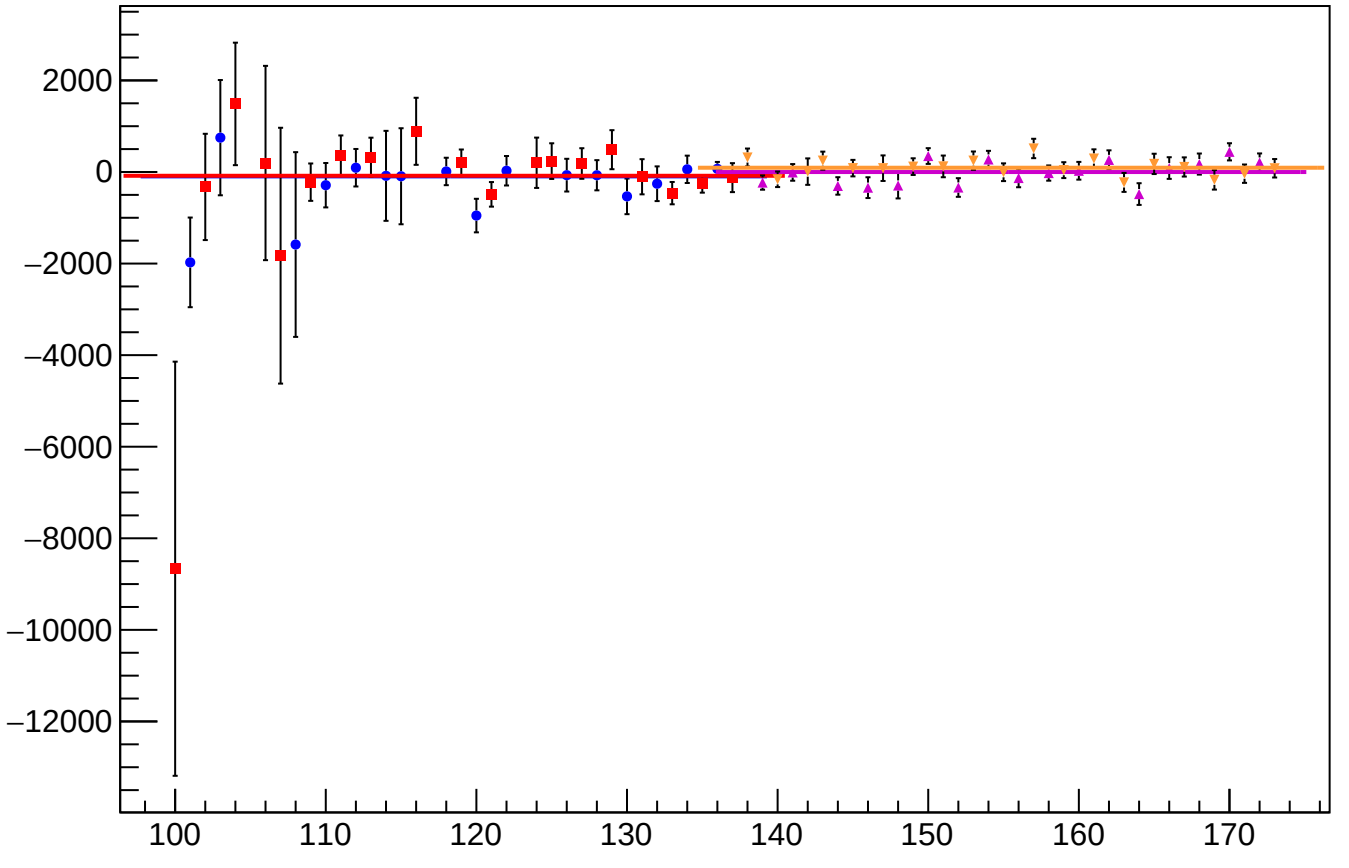
In: 395.193+/-0.245 χ^2/NDF:38873303.1/31

Out: 392.530+/-0.229 χ^2/NDF:40799848.8/36

All: 393.769+/-0.167 χ^2/NDF: 79673214.9/68


diff_cav4cX_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -298.263+/-147.367 χ²/NDF: 21.2/15
Left Out: -328.796+/-64.465 χ²/NDF:53.9/18
Right Out: 268.892+/-156.582 χ²/NDF: 13.9/18
Left In: 20.543+/-67.547 χ²/NDF:18.6/16
Left: -162.279+/-46.635 χ²/NDF: 86.5/35
Right: -31.865+/-107.314 χ²/NDF: 42.0/34
In: -34.808+/-61.404 χ²/NDF:43.6/32
Out: -242.172+/-59.611 χ²/NDF:80.3/37
All: -141.562+/-42.771 χ²/NDF: 129.7/70


diff_cav4cX_rms vs Slug, Sign Corrected
×10^3
800
700
600
500
400
300
200
100
110
120
130
140
150
160
170
Right In: 381960.471+/-104.223 χ²/NDF: 836441.6/15
Left Out: 247720.439+/-45.584 χ²/NDF:347888.0/18
Right Out: 414378.043+/-110.748 χ²/NDF: 760082.5/18
Left In: 251250.732+/-47.763 χ²/NDF:285159.8/16
Left: 249403.204+/-32.976 χ²/NDF: 635906.8/35
Right: 397186.164+/-75.899 χ²/NDF: 1641963.2/34
In: 273937.519+/-43.421 χ²/NDF:2421459.2/32
Out: 271863.981+/-42.153 χ²/NDF:3044430.2/37
All: 272870.032+/-30.245 χ²/NDF: 5467063.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 93.060+/-46.638 χ^2/NDF:14.6/18

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -1.103+/-47.901 χ^2/NDF:30.6/16

Left: 47.237+/-33.416 χ^2/NDF: 47.2/35

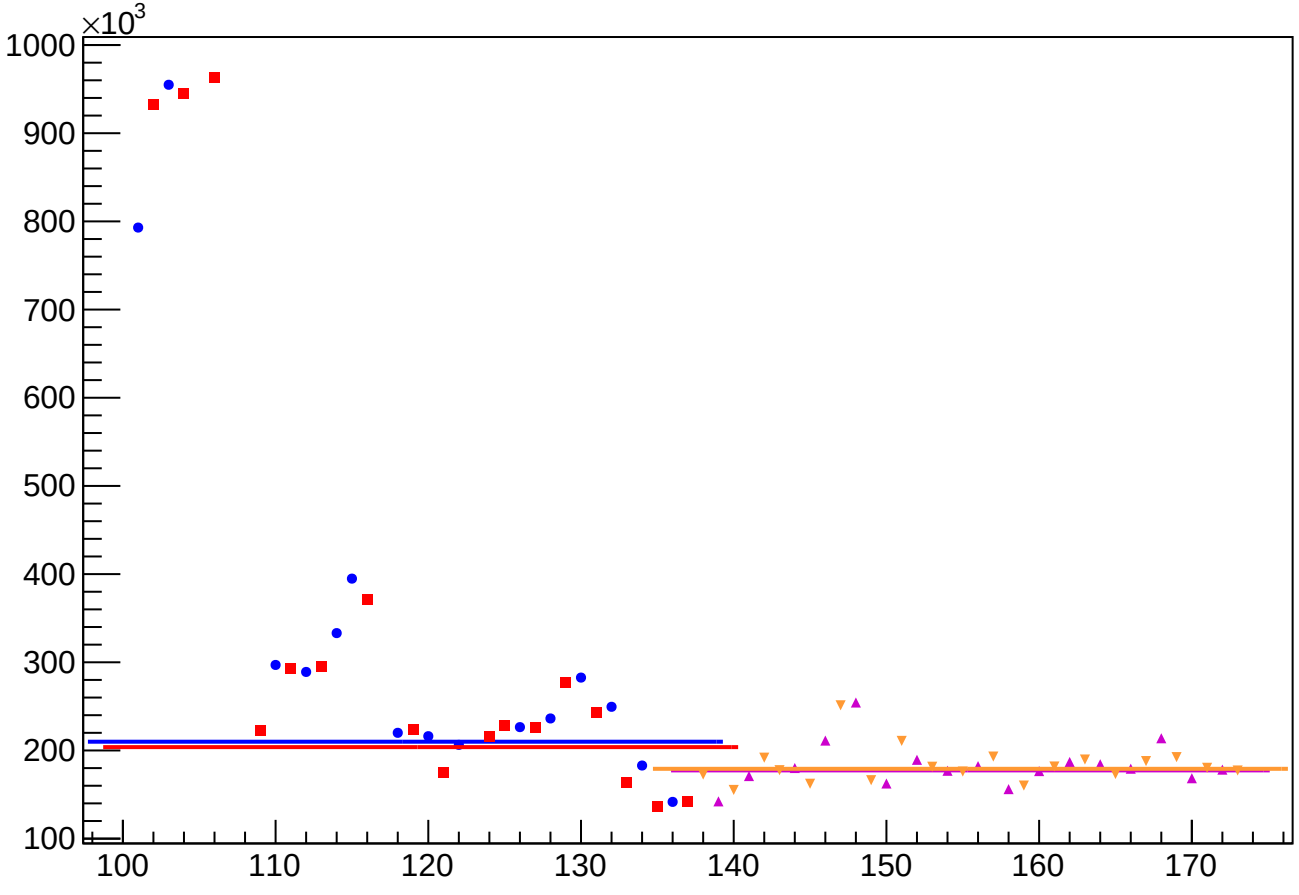
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -22.659+/-42.101 χ^2/NDF:45.2/32

Out: 54.036+/-41.137 χ^2/NDF:36.9/37

All: 16.577+/-29.423 χ^2/NDF: 83.8/70

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 179193.939+/-32.978 χ^2/NDF:294406.0/18

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 177397.767+/-33.871 χ^2/NDF:413784.6/16

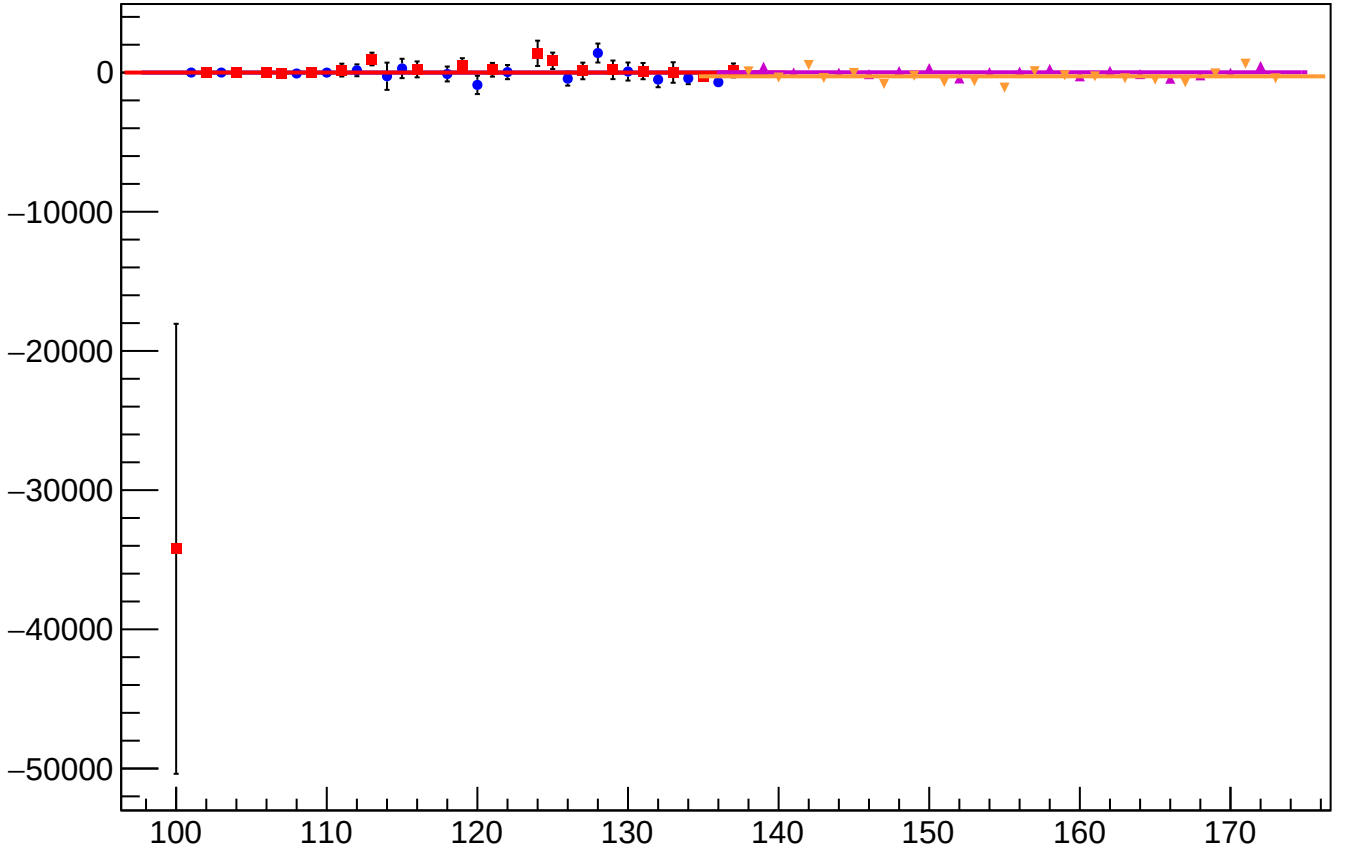
Left: 178319.858+/-23.628 χ^2/NDF: 709634.2/35

Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 184779.036+/-29.782 χ^2/NDF:2582981.2/31

Out: 184633.179+/-29.104 χ^2/NDF:2487916.4/35

All: 184704.430+/-20.815 χ^2/NDF: 5070909.



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -271.648+/-53.872 χ^2/NDF:53.7/18

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 20.070+/-56.515 χ^2/NDF:18.7/16

Left: -132.769+/-38.994 χ^2/NDF: 86.4/35

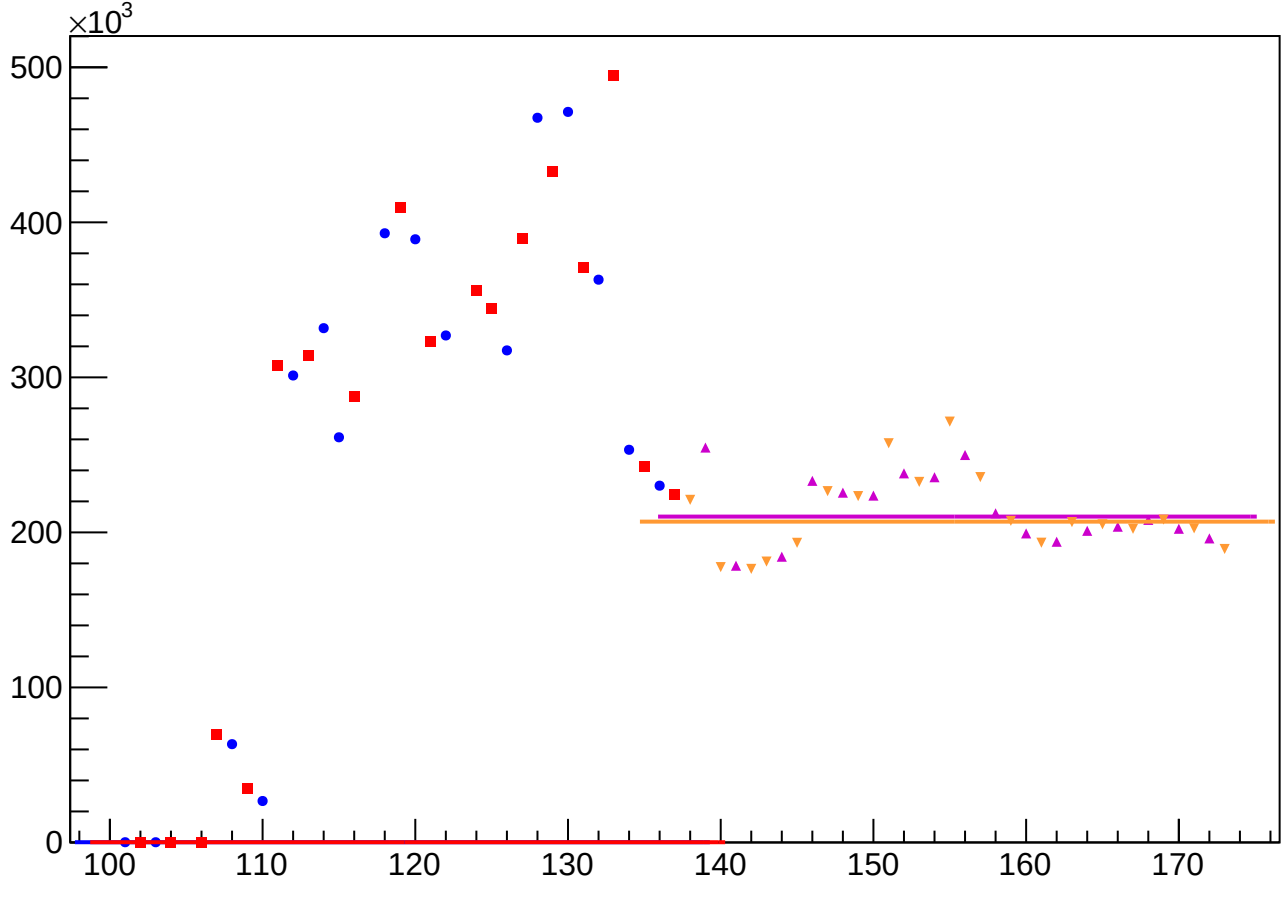
Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:36.9/32

Out: 0.353+/-0.160 χ^2/NDF:95.7/37

All: 0.173+/-0.117 χ^2/NDF: 135.4/70

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 206944.989+/-38.093 χ^2/NDF:364945.8/18

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 210193.290+/-39.962 χ^2/NDF:290315.0/16

Left: 208491.410+/-27.573 χ^2/NDF: 658722.5/35

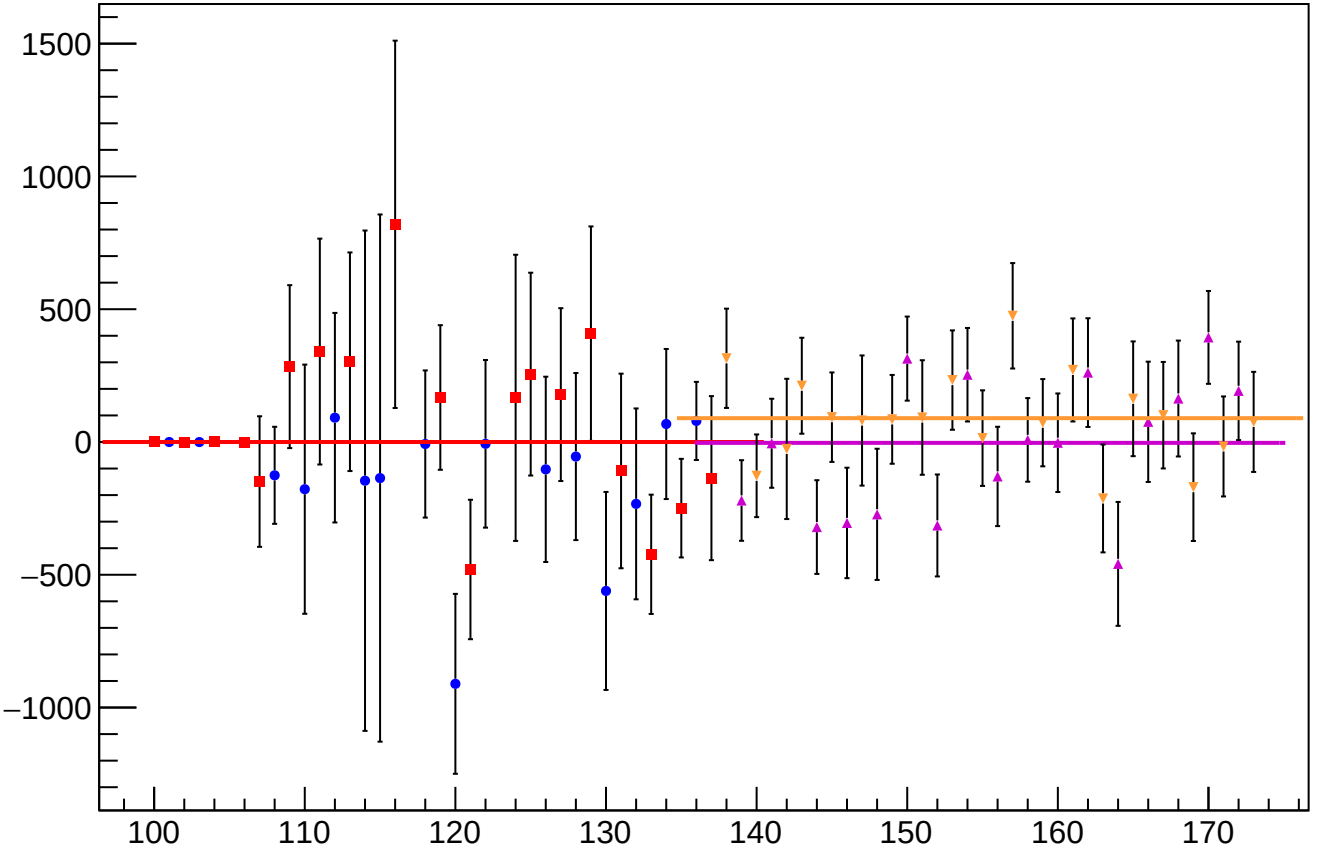
Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 151.044+/-0.122 χ^2/NDF:39218429.4/32

Out: 151.206+/-0.113 χ^2/NDF:41123884.2/36

All: 151.131+/-0.083 χ^2/NDF: 80342314.6/69

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 89.674+/-43.700 χ^2/NDF:13.8/18

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -3.319+/-45.065 χ^2/NDF:30.3/16

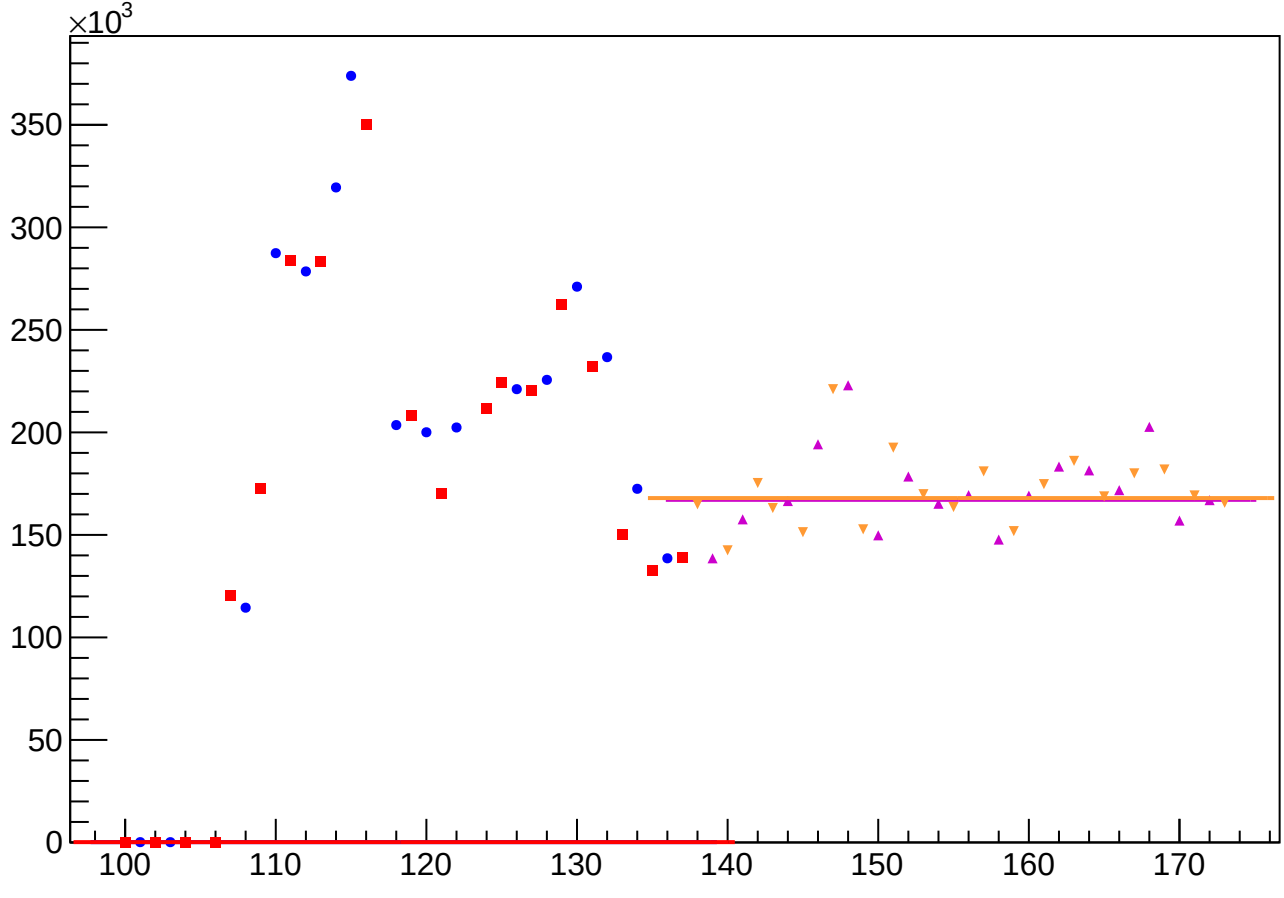
Left: 44.608+/-31.372 χ^2/NDF: 46.2/35

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.068+/-0.177 χ^2/NDF:41.5/32

Out: -0.125+/-0.166 χ^2/NDF:33.2/37

All: -0.098+/-0.121 χ^2/NDF: 74.8/70



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 167960.404+/-30.900 χ^2/NDF:277893.8/18

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 167111.166+/-31.866 χ^2/NDF:356223.0/16

Left: 167548.844+/-22.183 χ^2/NDF: 634482.8/35

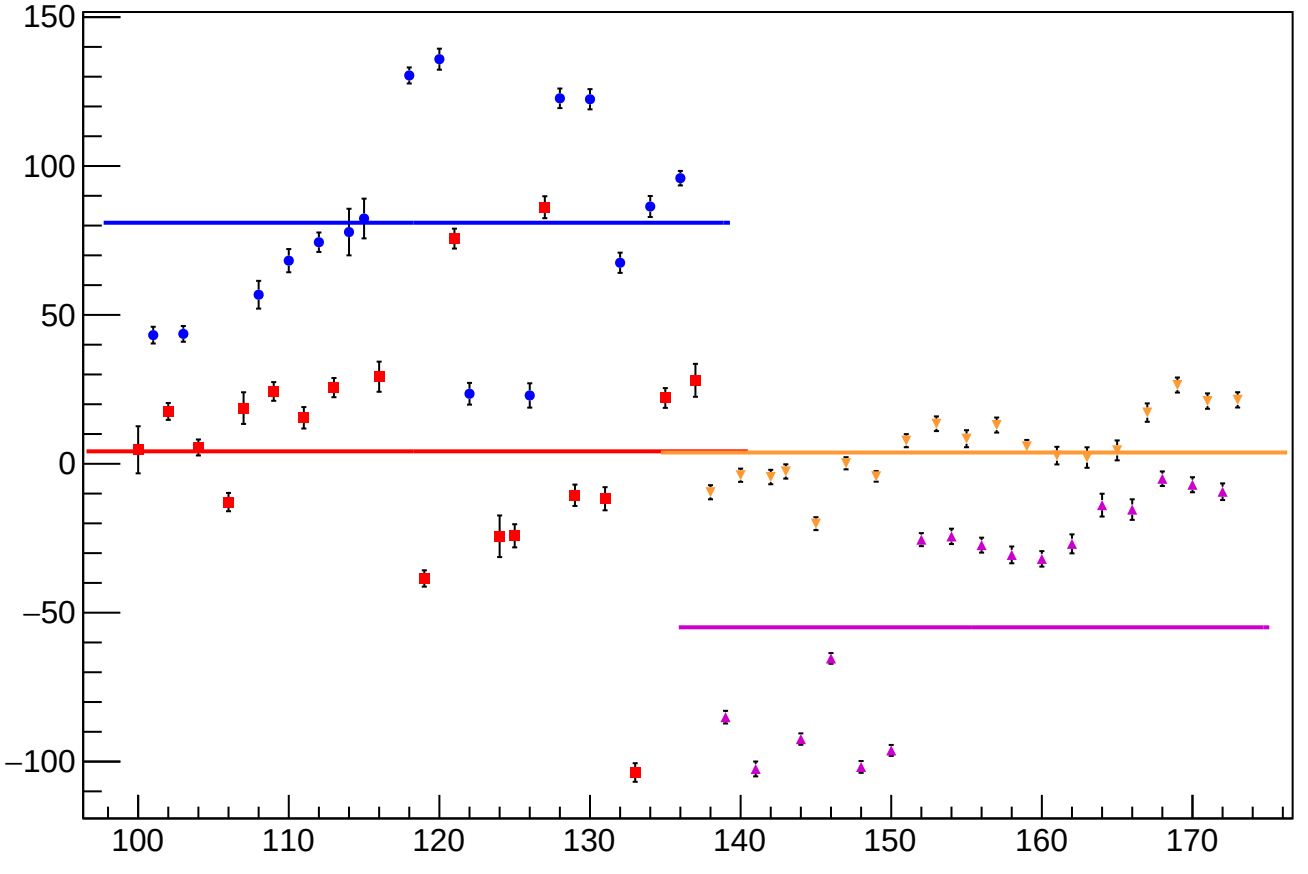
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 156.042+/-0.125 χ^2/NDF:39712240.4/32

Out: 158.593+/-0.118 χ^2/NDF:41098821.0/37

All: 157.397+/-0.086 χ^2/NDF: 80811281.4/70

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: 3.791+/-0.559 χ^2/NDF:433.4/18

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -54.912+/-0.577 χ^2/NDF:3996.7/16

Left: -24.625+/-0.401 χ^2/NDF: 9770.7/35

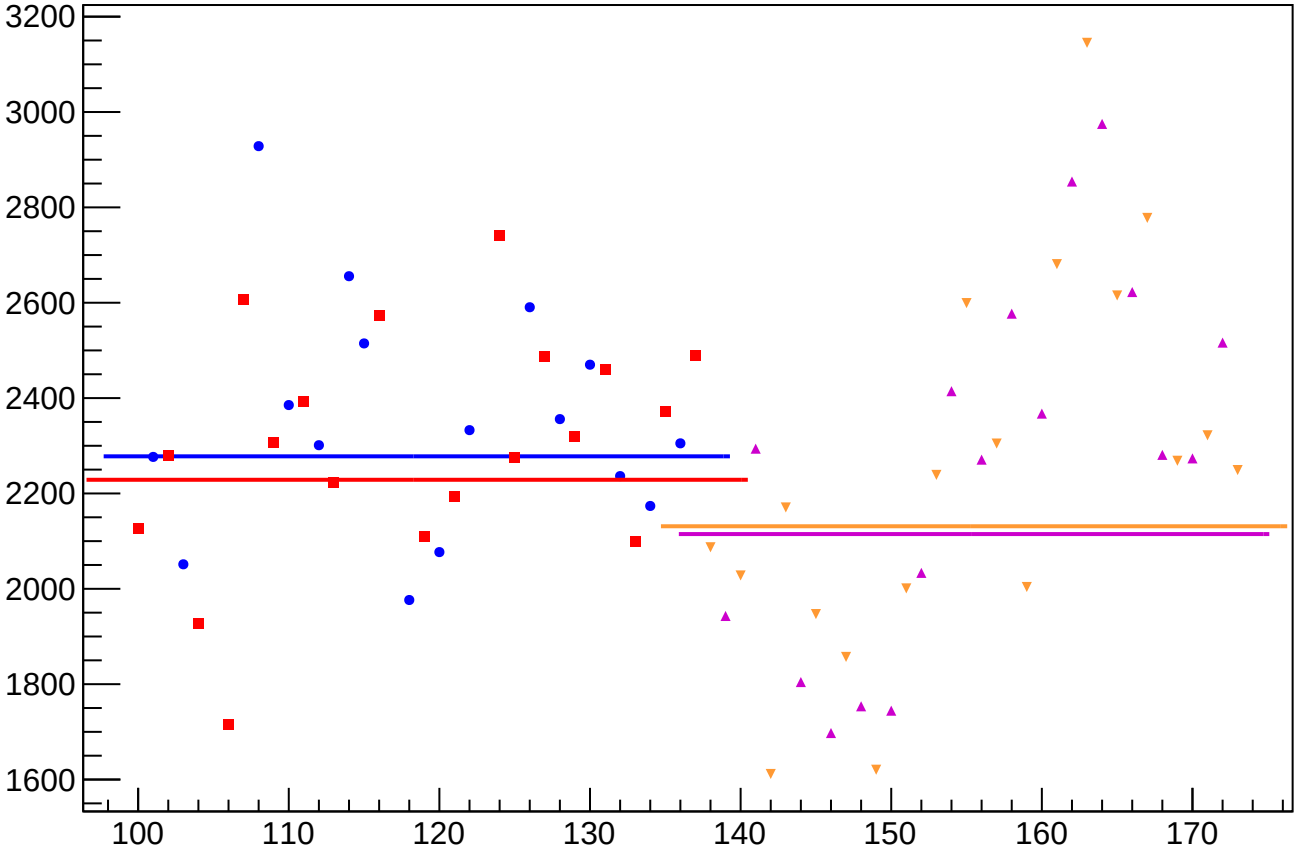
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -12.155+/-0.478 χ^2/NDF:23260.4/32

Out: 3.915+/-0.462 χ^2/NDF:3153.3/37

All: -3.849+/-0.332 χ^2/NDF: 26998.7/70

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2131.192+/-0.395 χ^2/NDF:786499.9/18

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 2114.831+/-0.408 χ^2/NDF:751498.8/16

Left: 2123.272+/-0.284 χ^2/NDF: 1538828.5/35

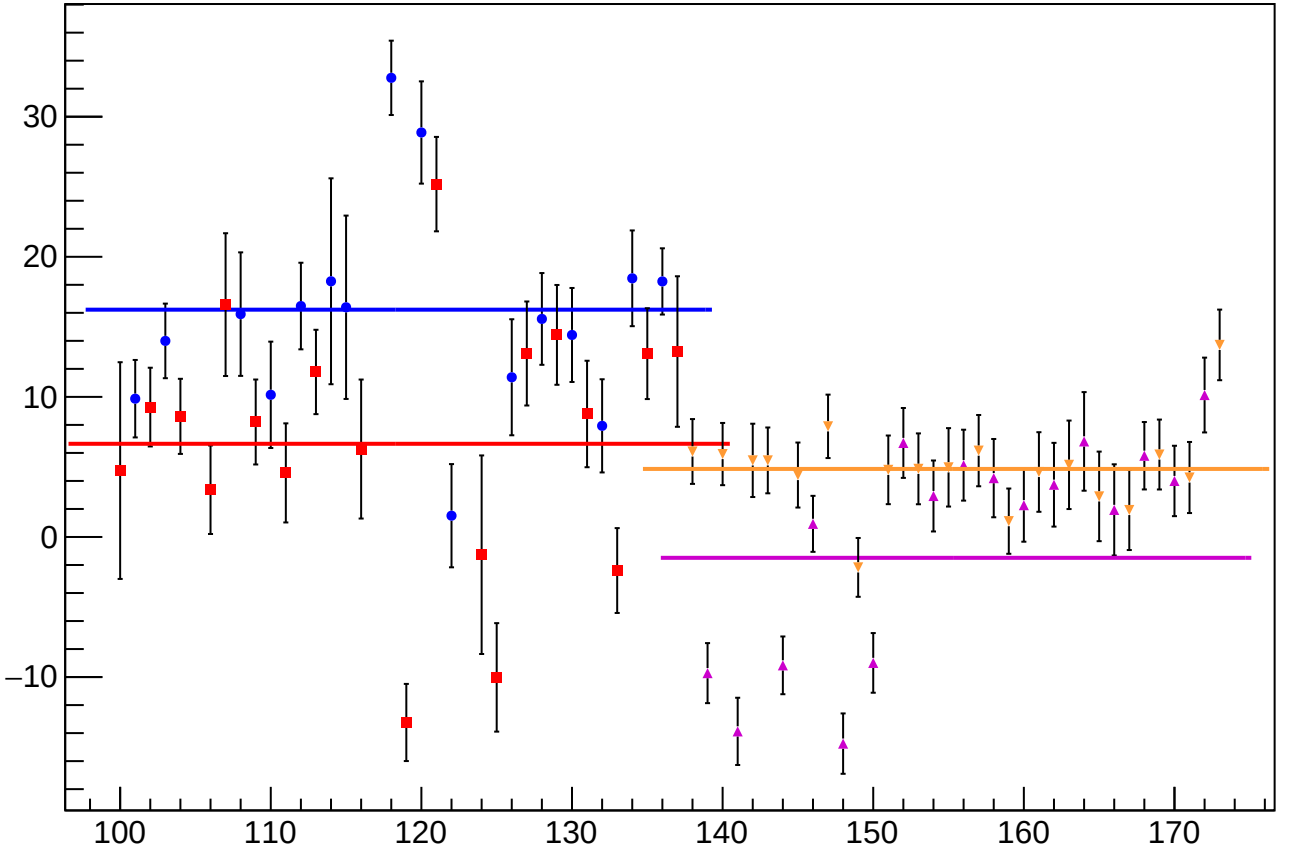
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2166.138+/-0.338 χ^2/NDF:917522.7/32

Out: 2162.112+/-0.327 χ^2/NDF:956937.9/37

All: 2164.057+/-0.235 χ^2/NDF: 1874534.1/70

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.858+/-0.574 χ^2/NDF:30.5/18

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -1.488+/-0.596 χ^2/NDF:176.5/16

Left: 1.800+/-0.413 χ^2/NDF: 265.9/35

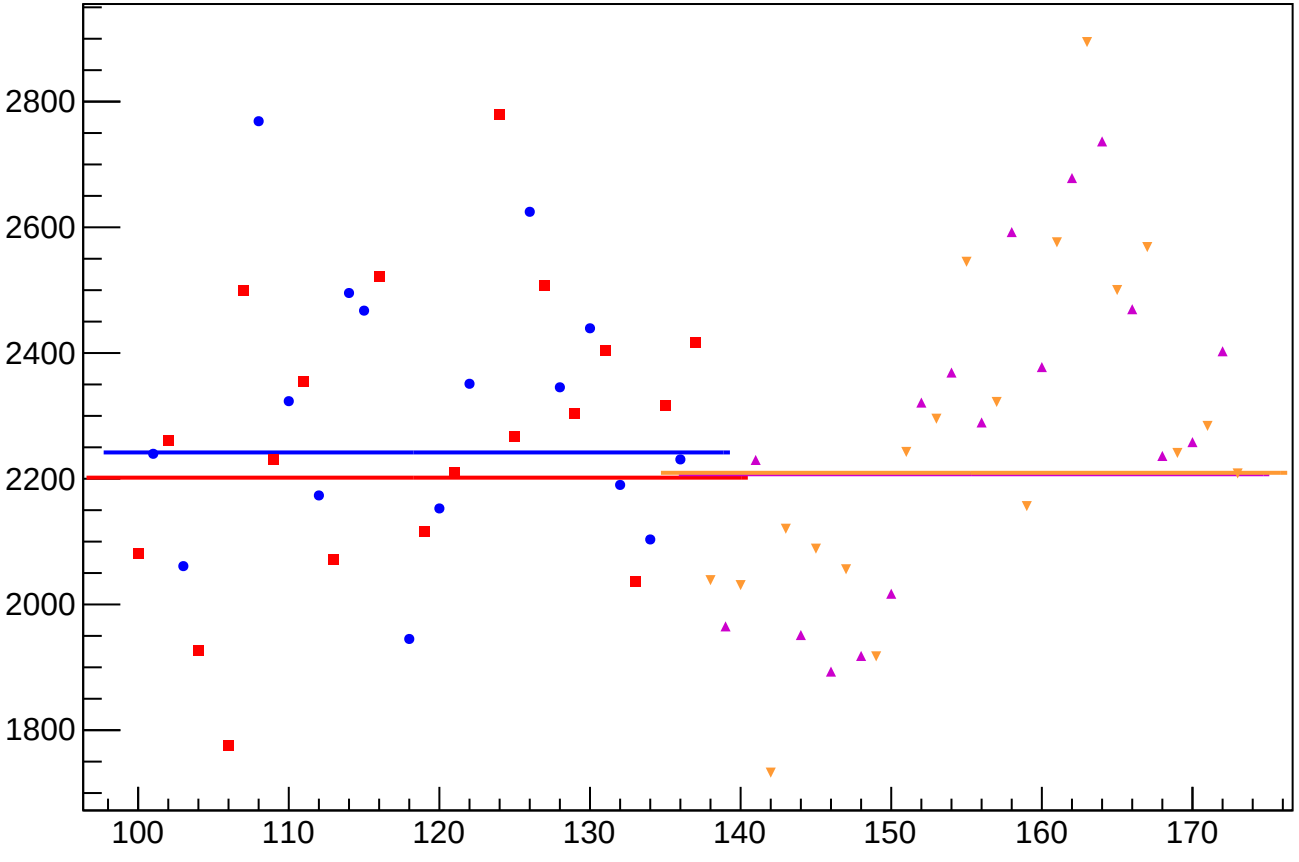
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.461+/-0.485 χ^2/NDF:558.1/32

Out: 5.459+/-0.468 χ^2/NDF:168.4/37

All: 4.977+/-0.337 χ^2/NDF: 728.7/70

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2209.462+/-0.406 χ^2/NDF:360556.4/18

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2207.140+/-0.421 χ^2/NDF:338651.7/16

Left: 2208.343+/-0.292 χ^2/NDF: 699223.8/35

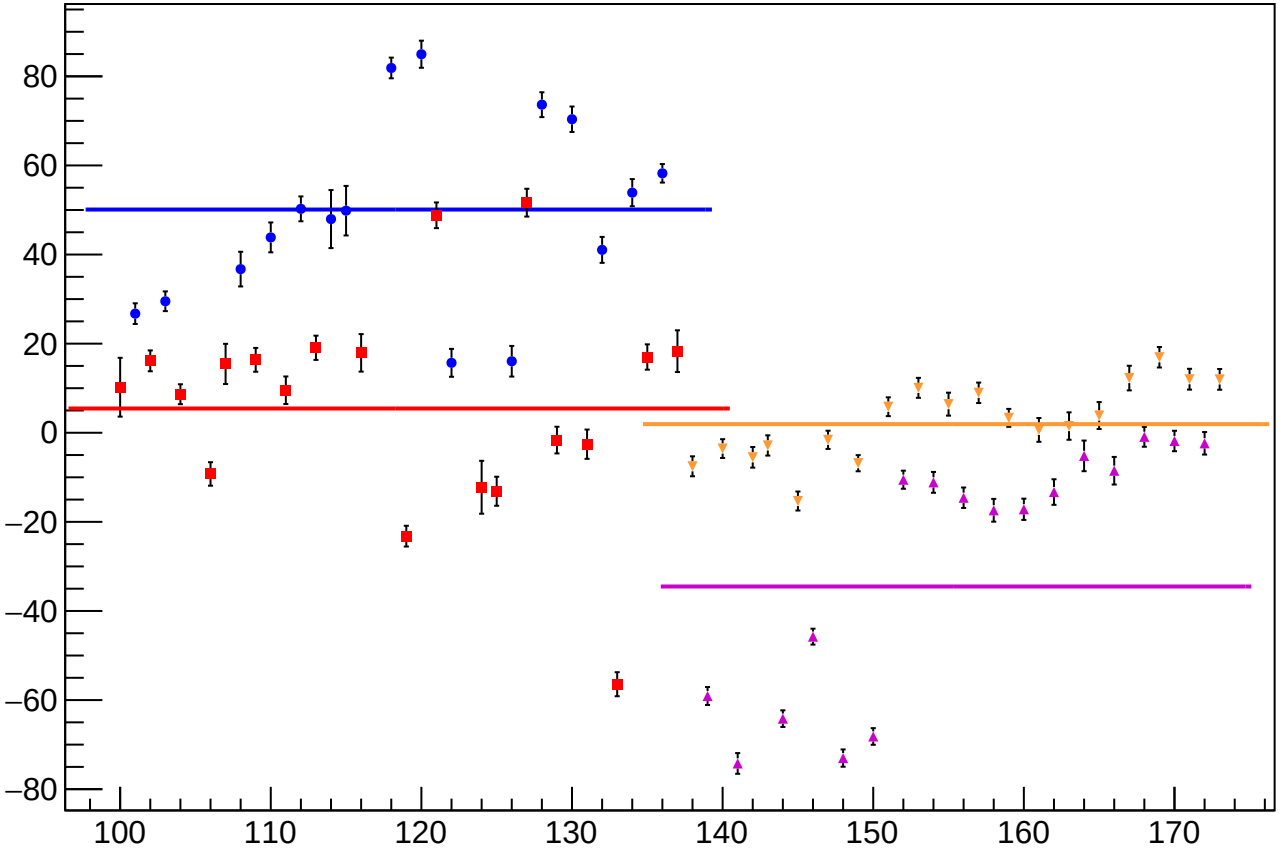
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2218.797+/-0.343 χ^2/NDF:443193.8/32

Out: 2206.875+/-0.331 χ^2/NDF:490560.1/37

All: 2212.623+/-0.238 χ^2/NDF: 934378.8/70

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: 1.934+/-0.526 χ^2/NDF:255.2/18

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -34.508+/-0.544 χ^2/NDF:2652.0/16

Left: -15.680+/-0.378 χ^2/NDF: 5229.6/35

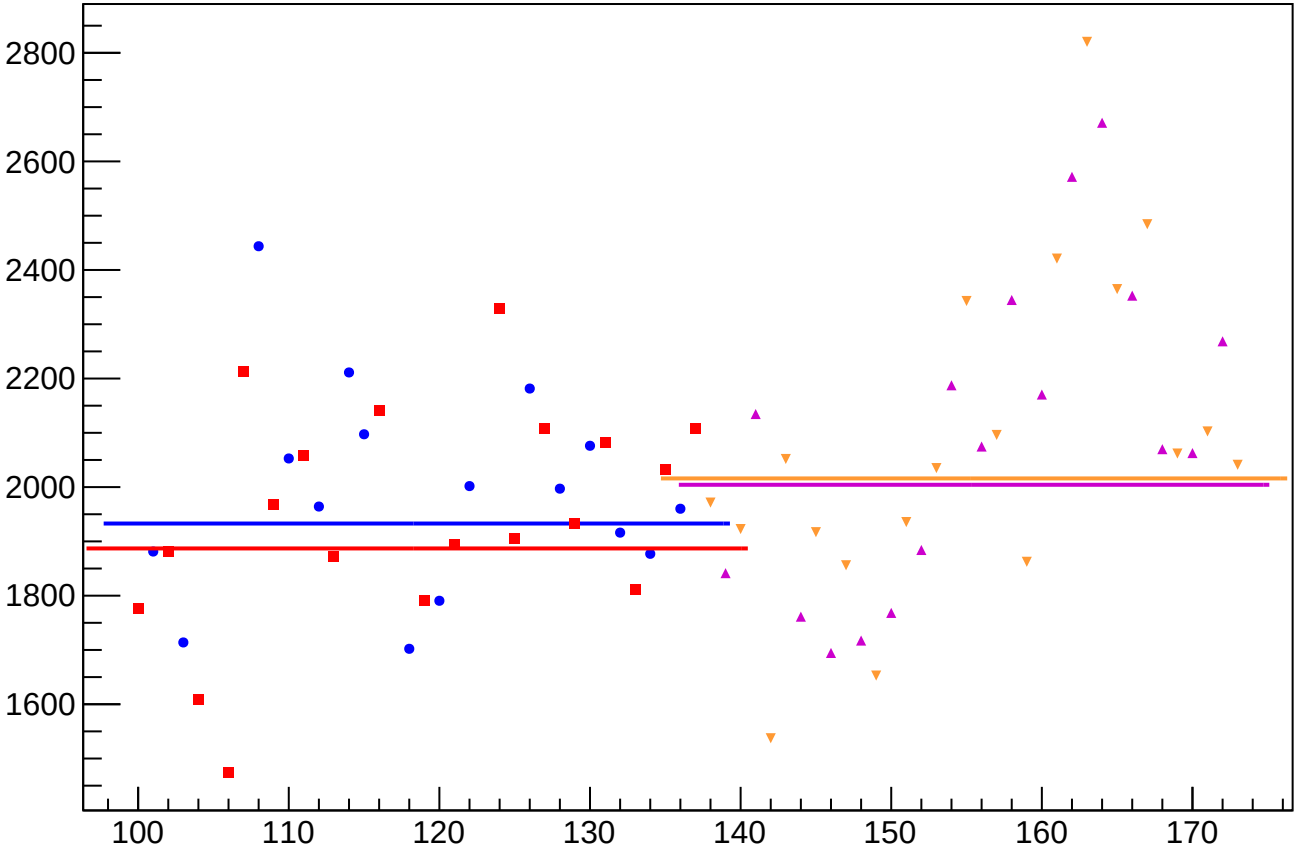
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -3.908+/-0.434 χ^2/NDF:12304.0/32

Out: 3.213+/-0.419 χ^2/NDF:1583.0/37

All: -0.221+/-0.302 χ^2/NDF: 14026.2/70

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 2015.984+/-0.372 χ^2/NDF:506625.3/18

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 2004.280+/-0.384 χ^2/NDF:458726.3/16

Left: 2010.327+/-0.267 χ^2/NDF: 965830.7/35

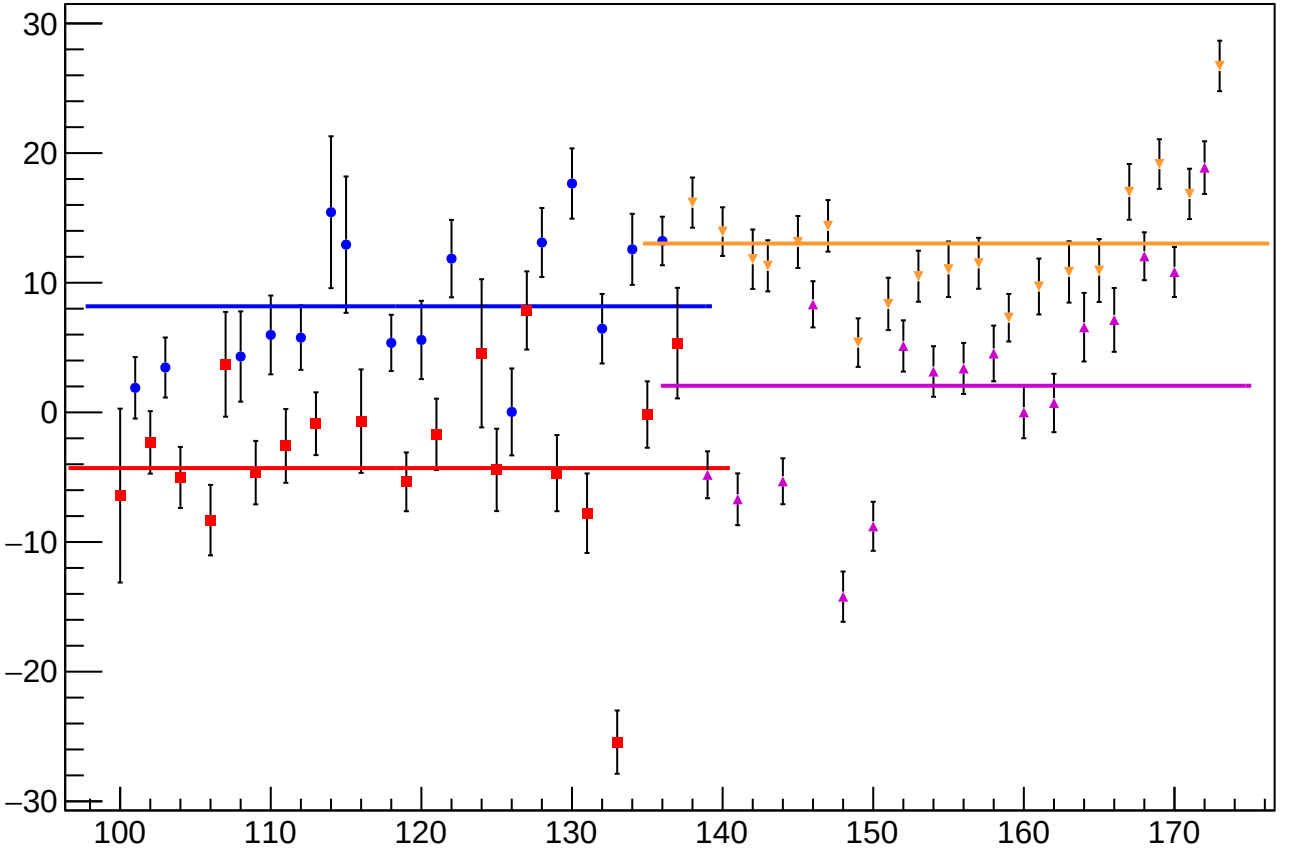
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1978.466+/-0.307 χ^2/NDF:577166.3/32

Out: 1968.979+/-0.296 χ^2/NDF:700241.6/37

All: 1973.554+/-0.213 χ^2/NDF: 1277902.0/70

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 13.025+/-0.464 χ^2/NDF:110.2/18

Right Out: -4.297+/-0.665 χ^2/NDF: 114.0/18

Left In: 2.054+/-0.483 χ^2/NDF:298.3/16

Left: 7.759+/-0.335 χ^2/NDF: 676.9/35

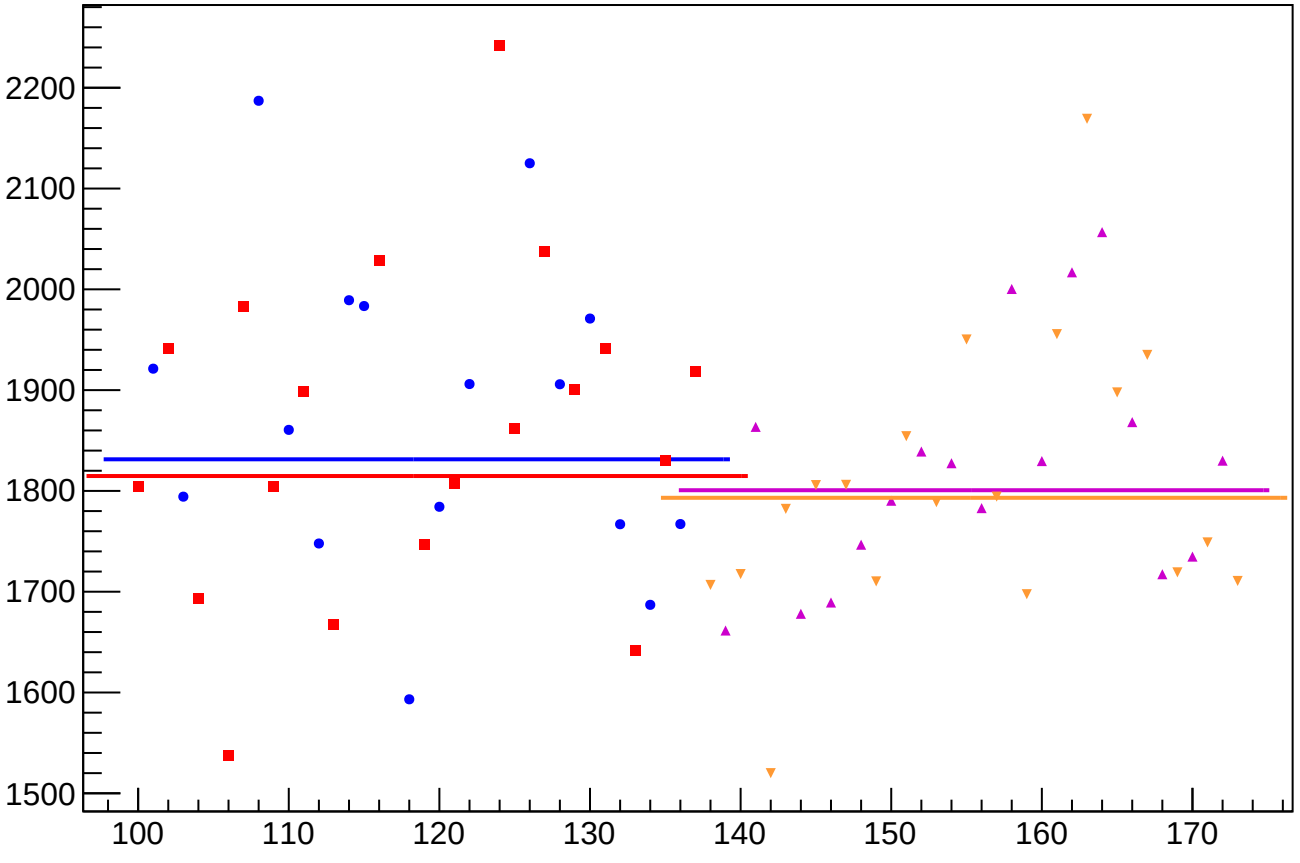
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 4.095+/-0.394 χ^2/NDF:403.9/32

Out: 7.358+/-0.381 χ^2/NDF:680.1/37

All: 5.785+/-0.274 χ^2/NDF: 1119.4/70

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1793.177+/-0.328 χ^2/NDF:139726.5/18

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1800.693+/-0.342 χ^2/NDF:97356.1/16

Left: 1796.784+/-0.237 χ^2/NDF: 237334.5/35

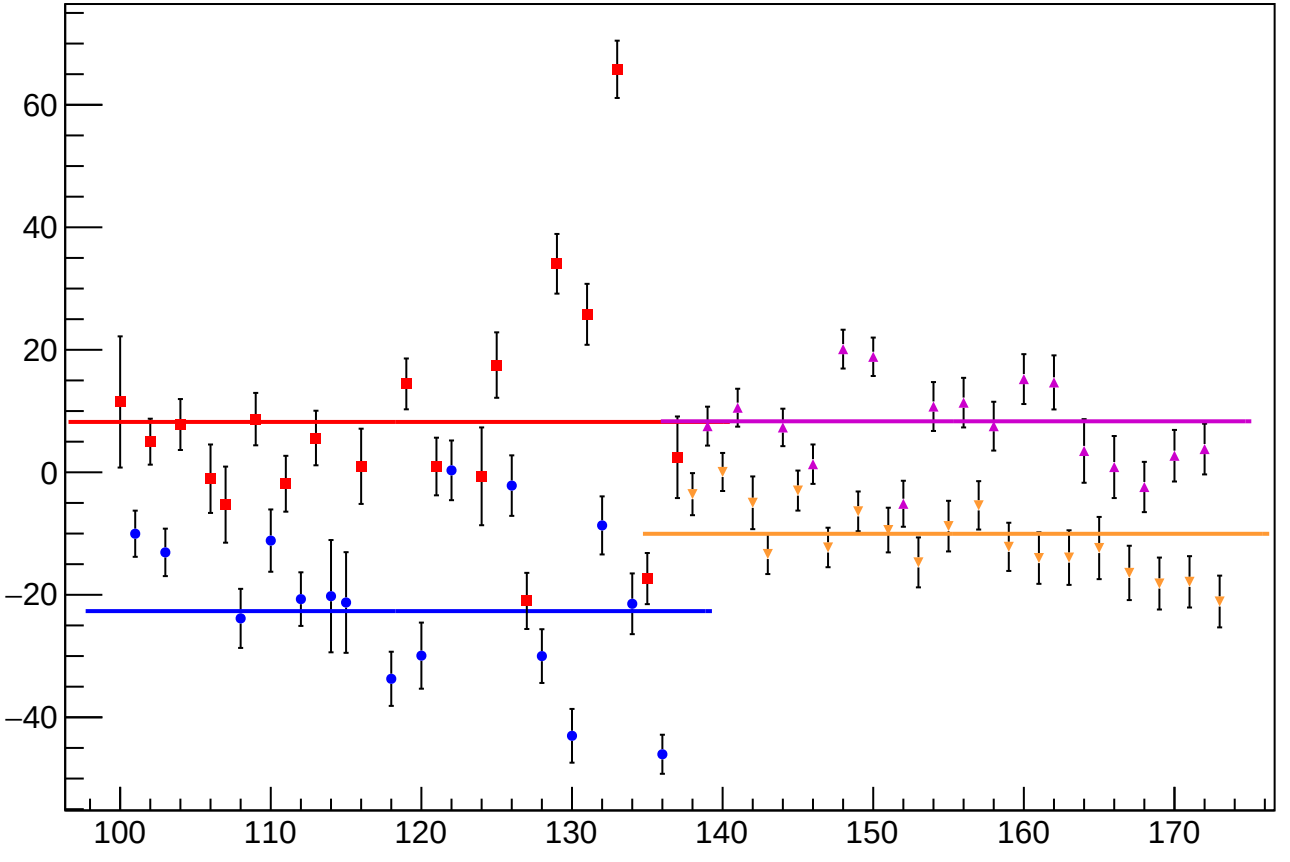
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1810.904+/-0.279 χ^2/NDF:186960.3/32

Out: 1800.242+/-0.269 χ^2/NDF:231882.5/37

All: 1805.383+/-0.194 χ^2/NDF: 419599.5/70

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -10.039+/-0.874 χ^2/NDF:44.0/18

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 8.327+/-0.903 χ^2/NDF:62.1/16

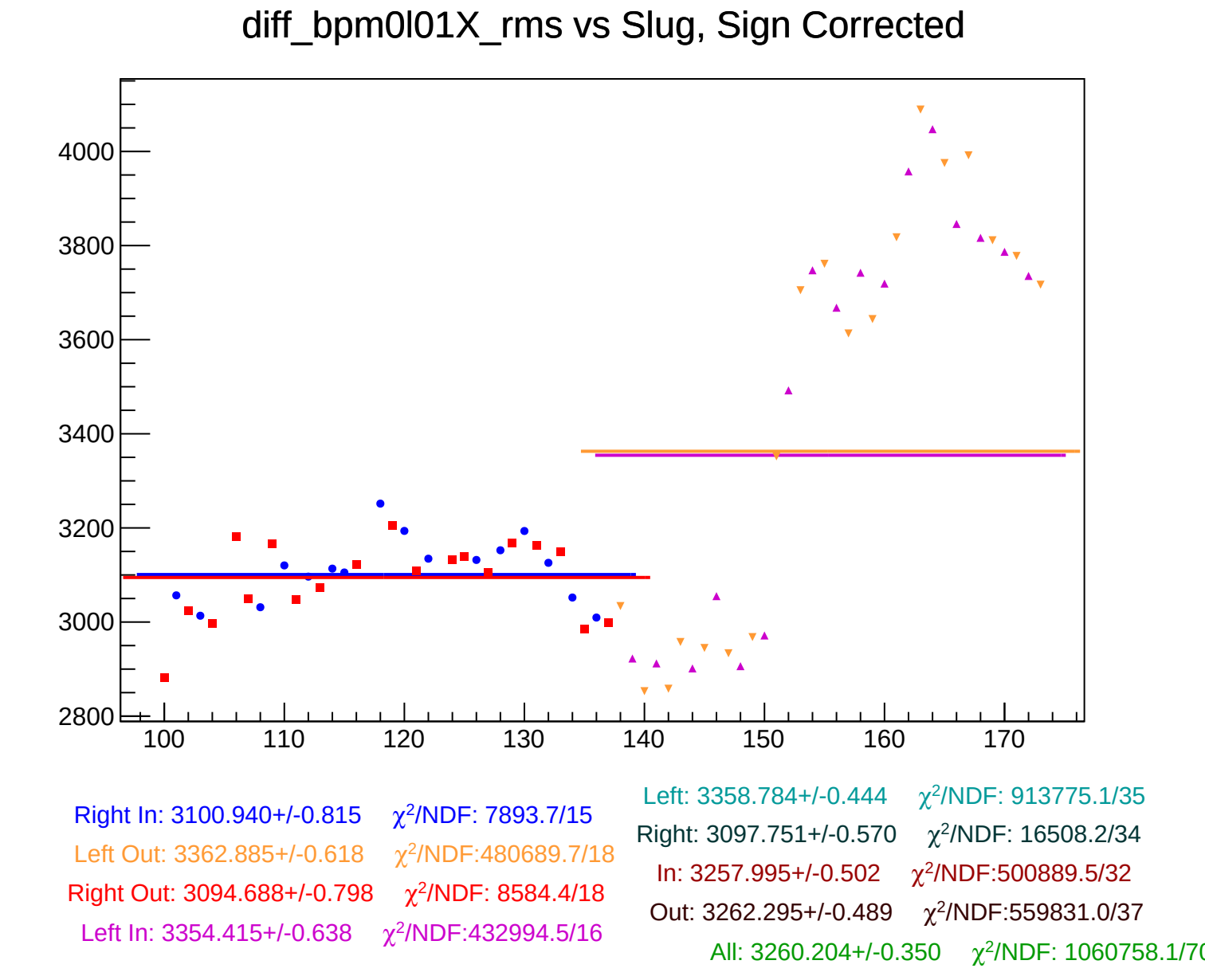
Left: -1.146+/-0.628 χ^2/NDF: 319.7/35

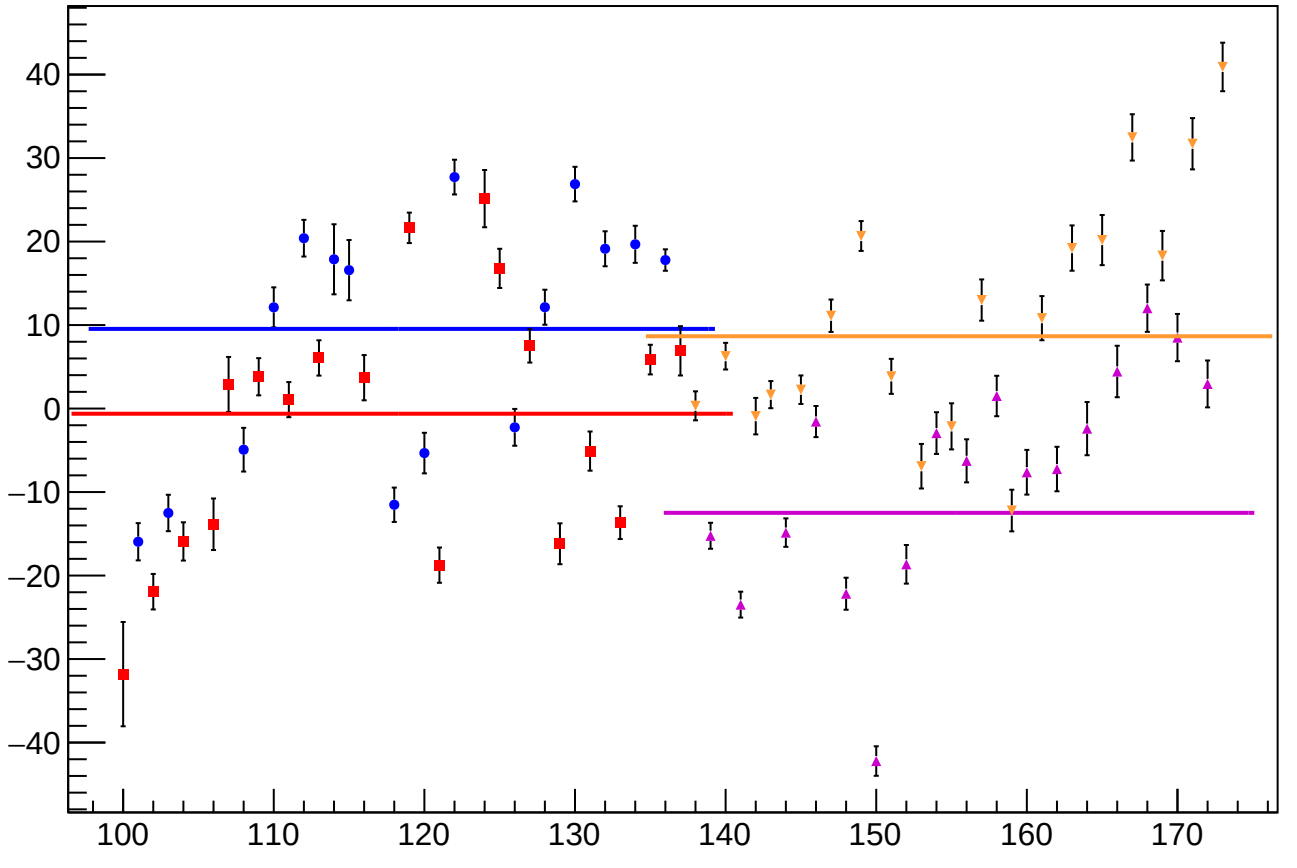
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -3.461+/-0.710 χ^2/NDF:667.8/32

Out: -3.189+/-0.691 χ^2/NDF:502.4/37

All: -3.321+/-0.495 χ^2/NDF: 1170.2/70


diff_bpm0l01X_rms vs Slug, Sign Corrected
4000
3800
3600
3400
3200
3000
2800
100
110
120
130
140
150
160
170
Right In: 3100.940+/-0.815 χ²/NDF: 7893.7/15
Left Out: 3362.885+/-0.618 χ²/NDF:480689.7/18
Right Out: 3094.688+/-0.798 χ²/NDF: 8584.4/18
Left In: 3354.415+/-0.638 χ²/NDF:432994.5/16
Left: 3358.784+/-0.444 χ²/NDF: 913775.1/35
Right: 3097.751+/-0.570 χ²/NDF: 16508.2/34
In: 3257.995+/-0.502 χ²/NDF:500889.5/32
Out: 3262.295+/-0.489 χ²/NDF:559831.0/37
All: 3260.204+/-0.350 χ²/NDF: 1060758.1/70



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 8.659+/-0.505 χ^2/NDF:545.9/18

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: -12.490+/-0.528 χ^2/NDF:666.4/16

Left: -1.441+/-0.365 χ^2/NDF: 2049.0/35

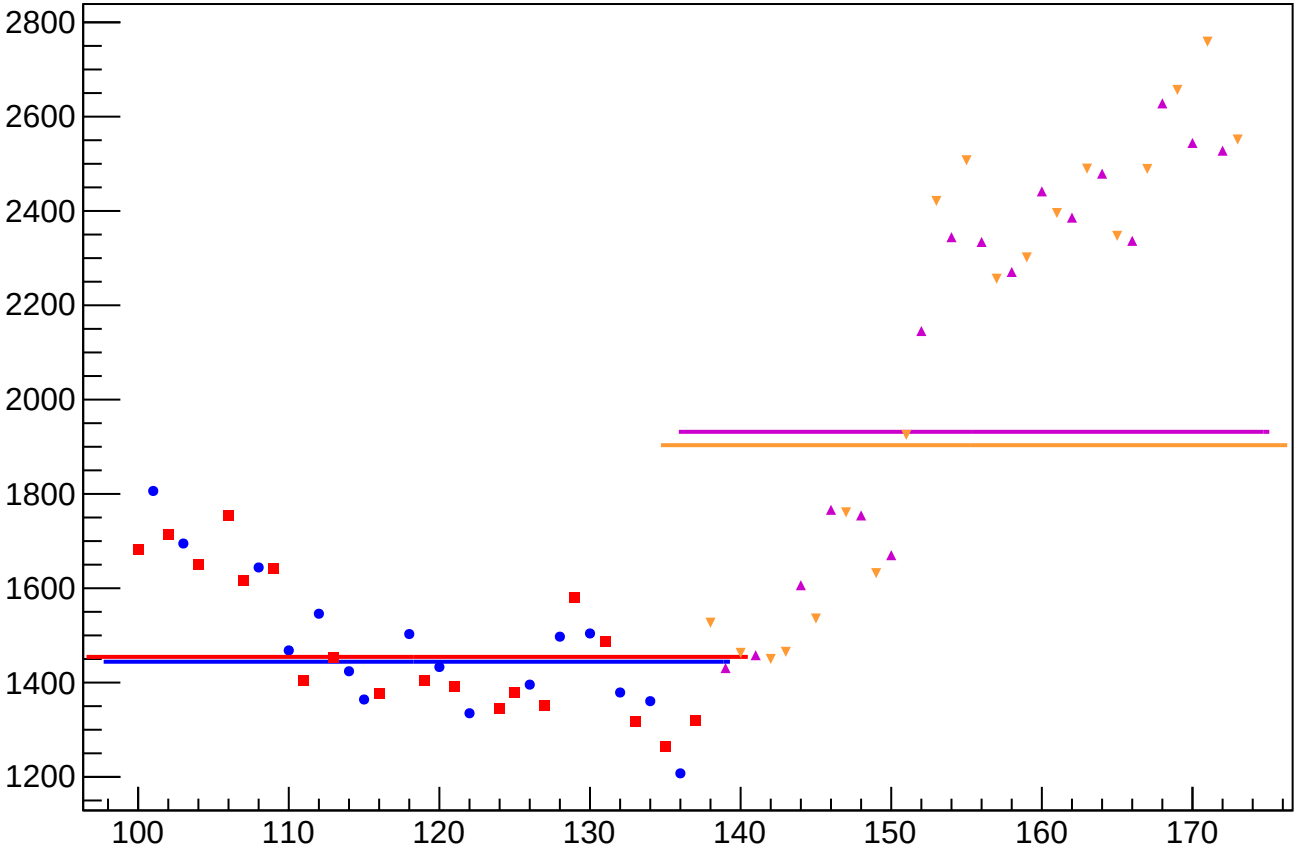
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: -1.739+/-0.378 χ^2/NDF:2213.2/32

Out: 4.277+/-0.367 χ^2/NDF:1371.0/37

All: 1.358+/-0.263 χ^2/NDF: 3714.6/70

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1903.372+/-0.357 χ^2/NDF:1570377.9/18

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1931.694+/-0.374 χ^2/NDF:1231569.8/16

Left: 1916.898+/-0.258 χ^2/NDF: 2804948.9/35

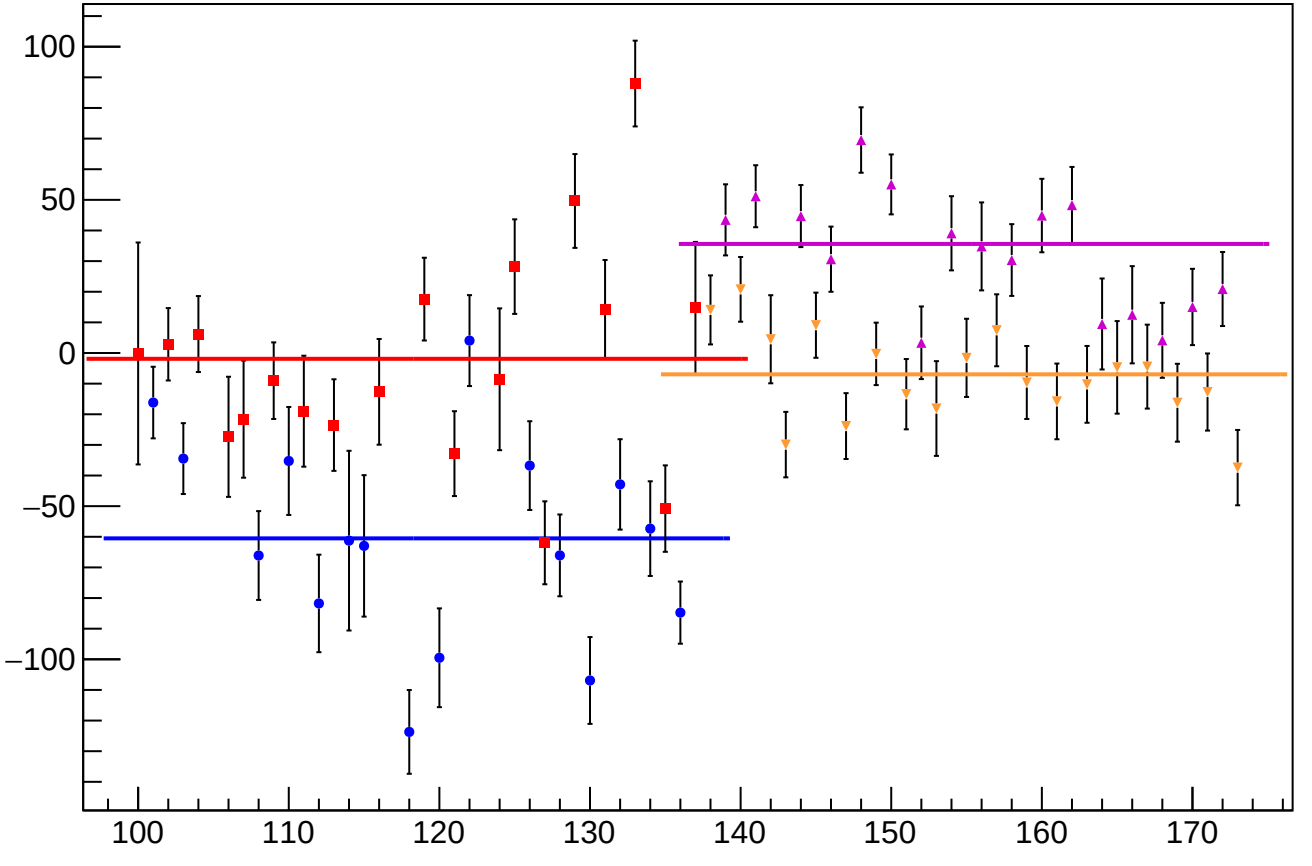
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1693.793+/-0.267 χ^2/NDF:2242304.0/32

Out: 1691.374+/-0.260 χ^2/NDF:2458732.0/37

All: 1692.547+/-0.186 χ^2/NDF: 4701078.1/70

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -6.960+/-2.758 χ^2/NDF:30.9/18

Right Out: -1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: 35.608+/-2.852 χ^2/NDF:43.3/16

Left: 13.610+/-1.983 χ^2/NDF: 189.2/35

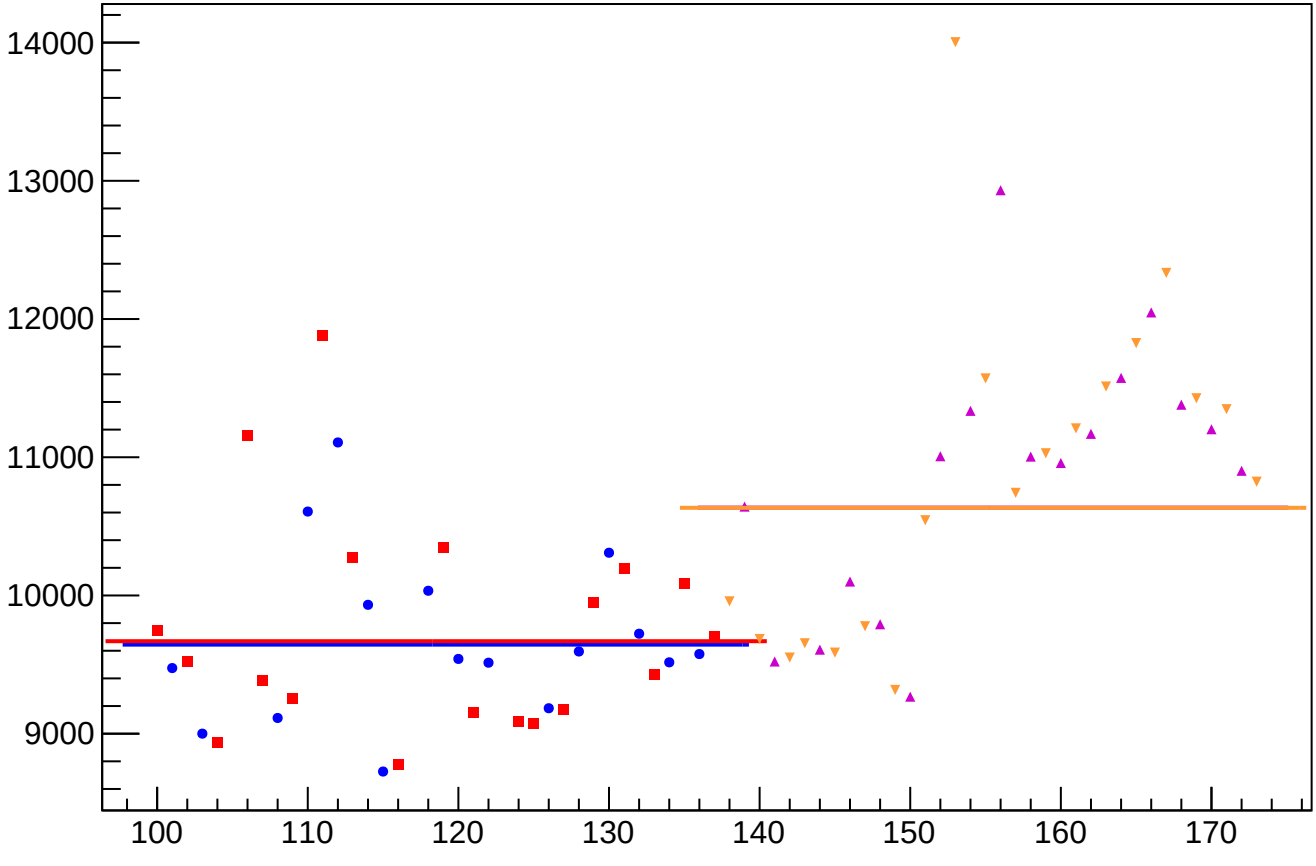
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -1.508+/-2.235 χ^2/NDF:572.2/32

Out: -5.048+/-2.176 χ^2/NDF:136.0/37

All: -3.325+/-1.559 χ^2/NDF: 709.5/70

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10634.098+/-1.950 χ^2/NDF:297194.5/18

Right Out: 9669.136+/-2.505 χ^2/NDF: 79878.1/18

Left In: 10635.623+/-2.017 χ^2/NDF:204691.9/16

Left: 10634.835+/-1.402 χ^2/NDF: 501886.7/35

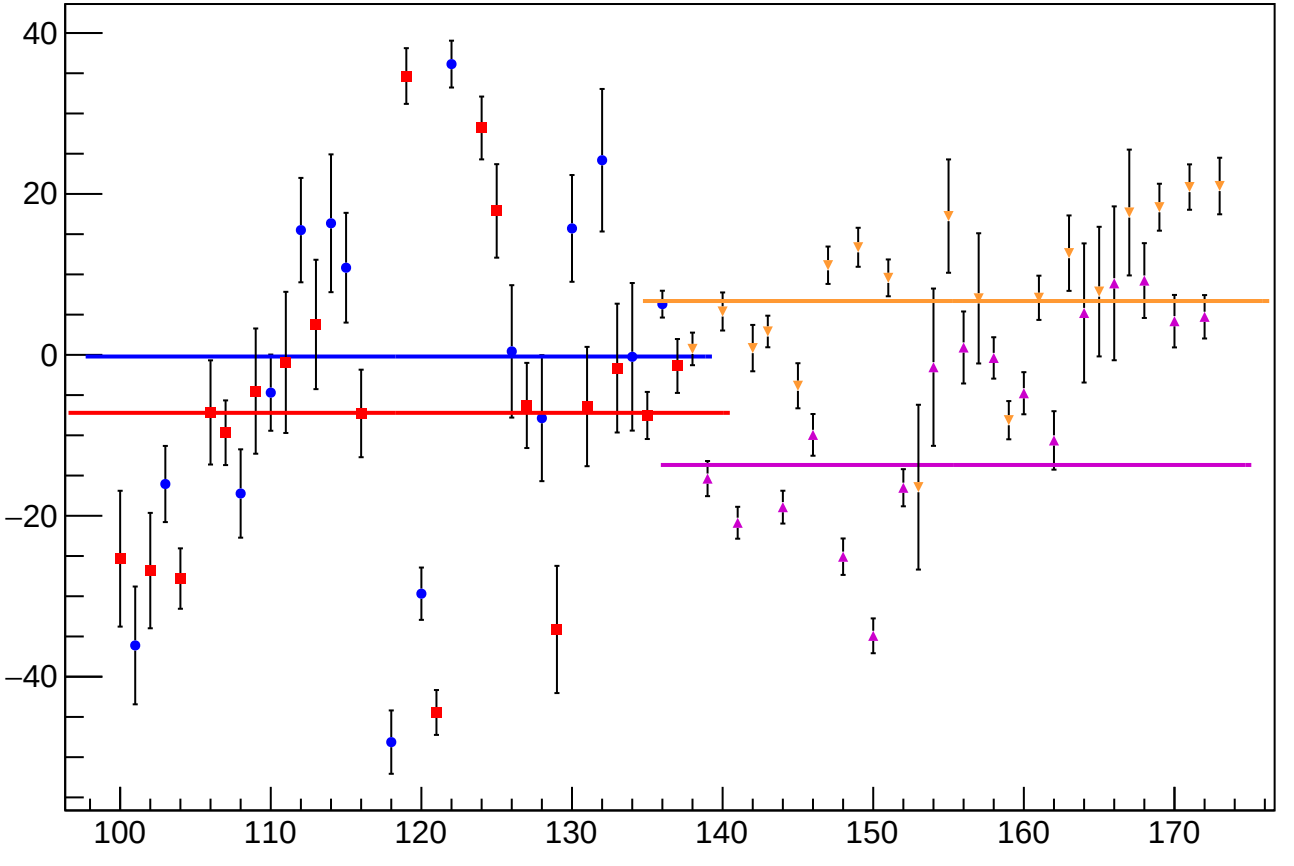
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 10252.888+/-1.580 χ^2/NDF:342066.9/32

Out: 10269.981+/-1.539 χ^2/NDF:469457.6/37

All: 10261.660+/-1.102 χ^2/NDF: 811584.5/70

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 6.692+/-0.669 χ^2/NDF:151.3/18

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -13.684+/-0.677 χ^2/NDF:308.0/16

Left: -3.386+/-0.476 χ^2/NDF: 917.7/35

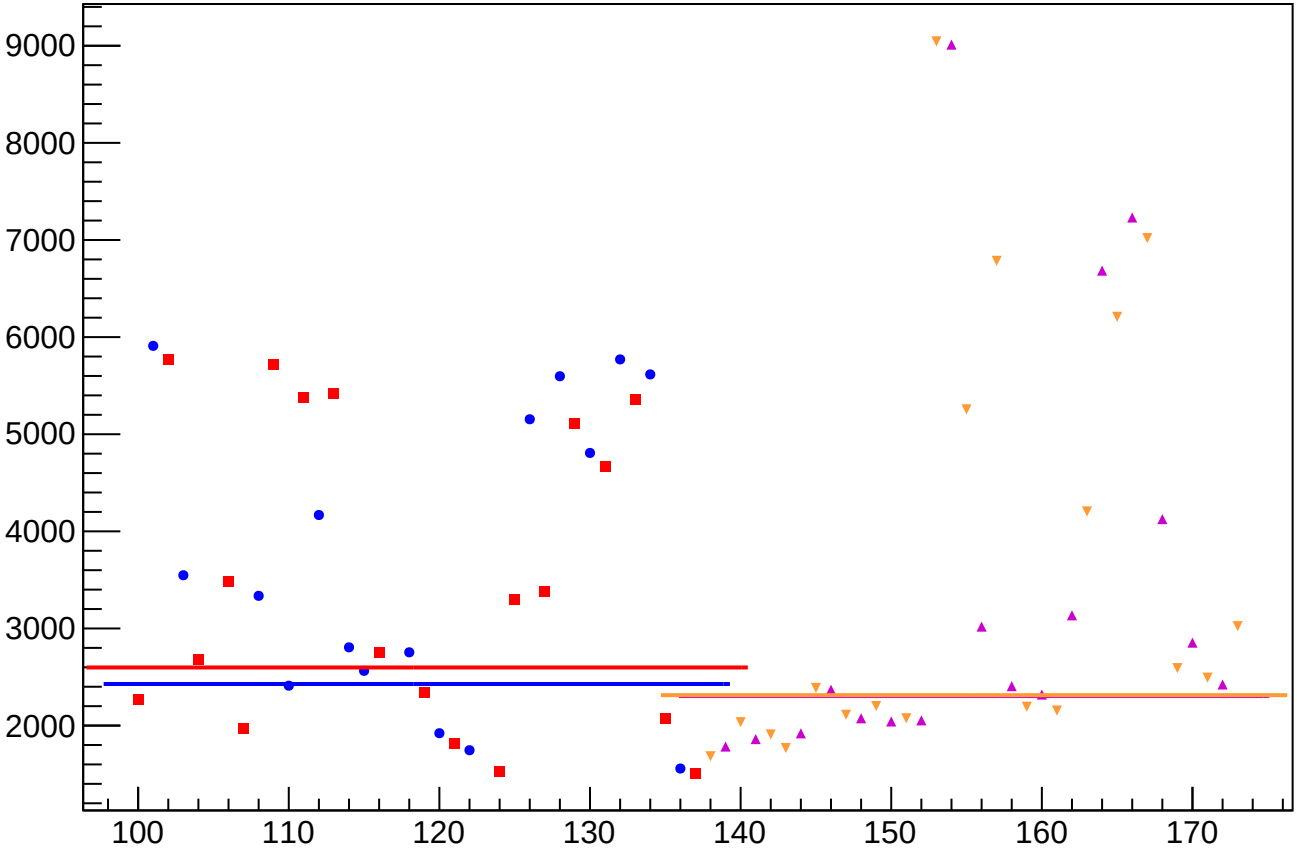
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -9.705+/-0.568 χ^2/NDF:898.9/32

Out: 2.802+/-0.568 χ^2/NDF:757.6/37

All: -3.451+/-0.402 χ^2/NDF: 1898.9/70

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2313.239+/-0.473 χ^2/NDF:3918643.9/18

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 2303.910+/-0.478 χ^2/NDF:2871318.7/16

Left: 2308.625+/-0.336 χ^2/NDF: 6790154.9/35

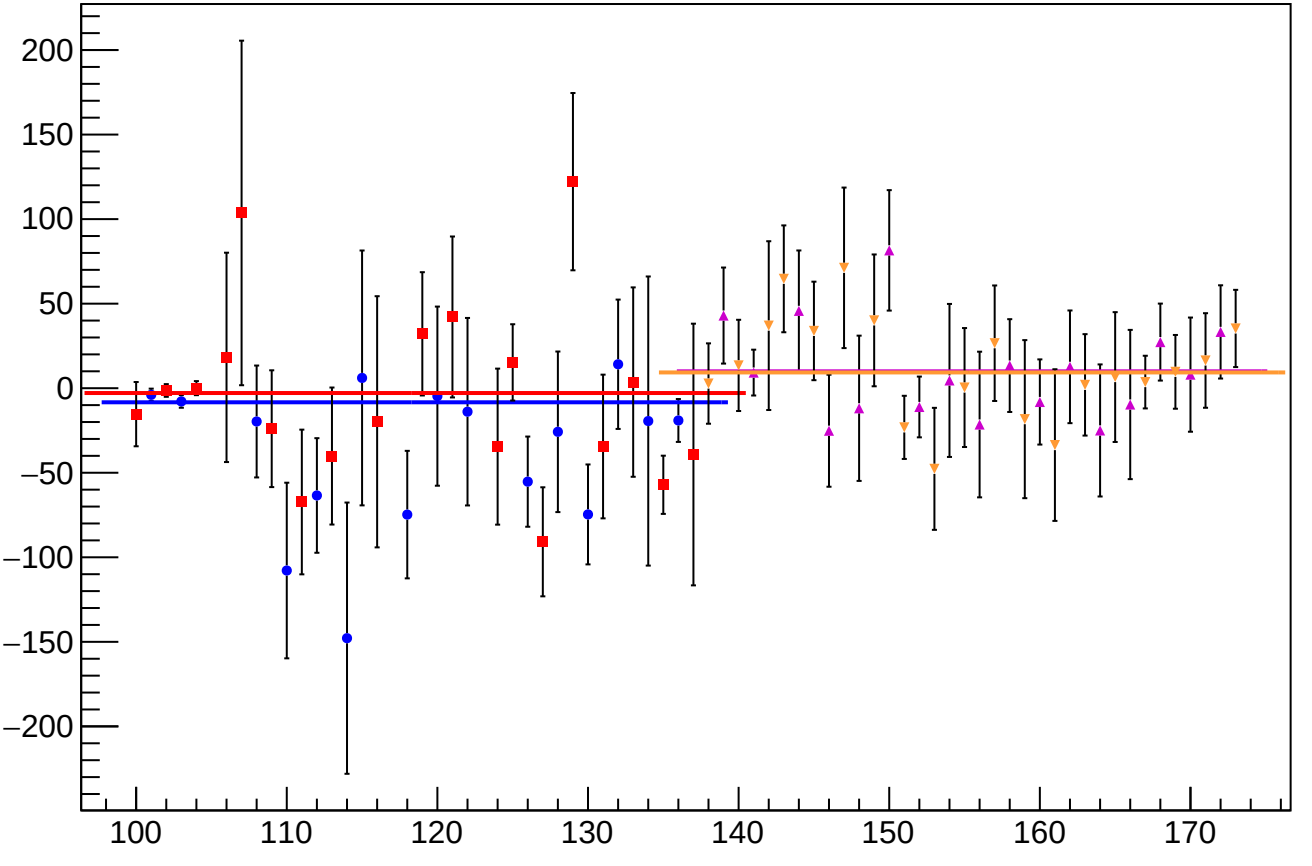
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2340.567+/-0.402 χ^2/NDF:5706542.0/32

Out: 2393.025+/-0.402 χ^2/NDF:6535125.7/37

All: 2366.797+/-0.284 χ^2/NDF: 12250197.6/7

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 9.326+/-6.416 χ^2/NDF:15.2/18

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 9.990+/-6.604 χ^2/NDF:12.5/16

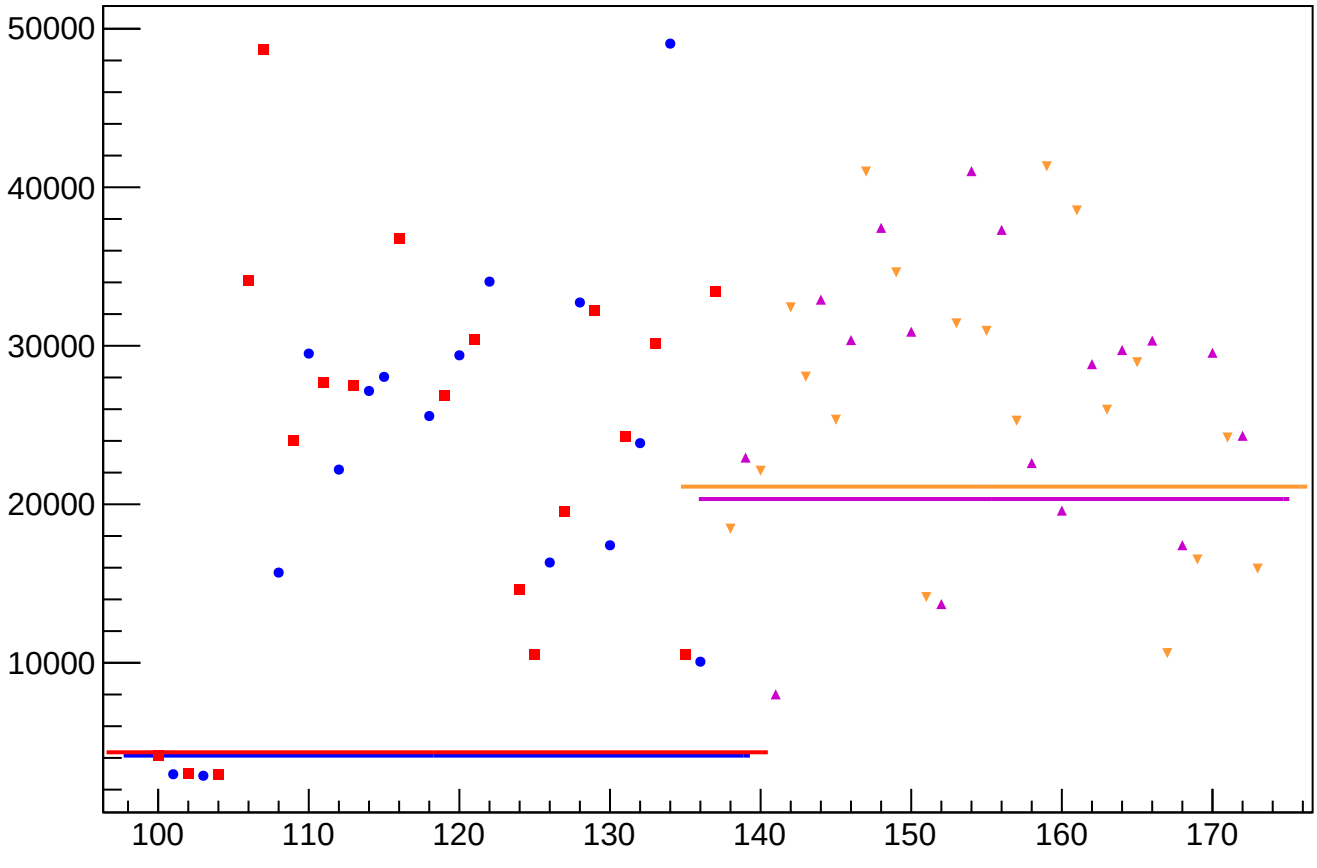
Left: 9.648+/-4.602 χ^2/NDF: 27.7/35

Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -6.037+/-2.338 χ^2/NDF:42.7/32

Out: -1.086+/-2.441 χ^2/NDF:50.9/37

All: -3.668+/-1.688 χ^2/NDF: 95.7/70



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 21114.758+/-4.537 χ^2/NDF:3424131.2/18

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 20333.046+/-4.669 χ^2/NDF:4184331.7/16

Left: 20735.178+/-3.254 χ^2/NDF: 7622880.5/35

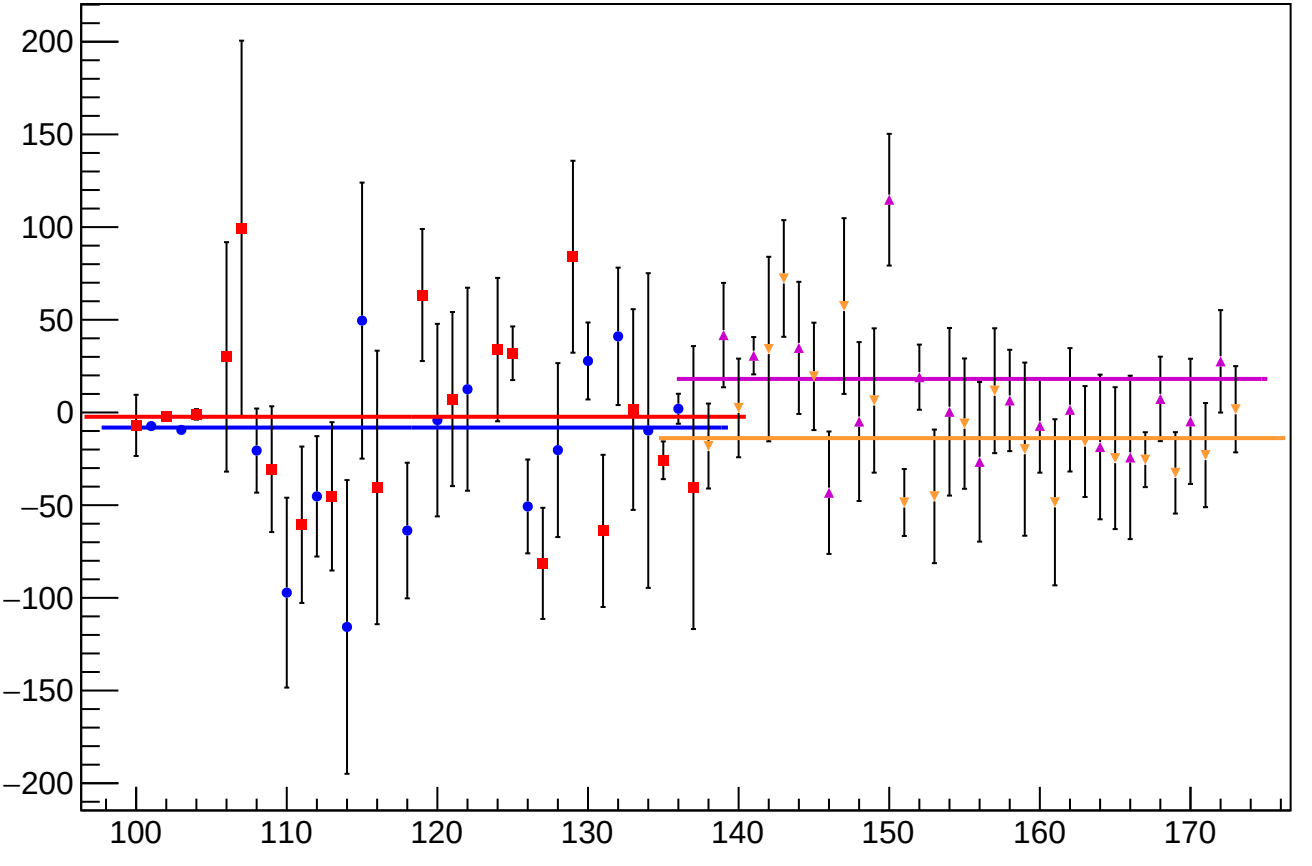
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 6174.120+/-1.653 χ^2/NDF:21533119.6/32

Out: 6780.726+/-1.726 χ^2/NDF:22722107.0/37

All: 6464.291+/-1.194 χ^2/NDF: 44319654.0/7

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -13.826+/-6.317 χ^2/NDF:20.4/18

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 18.102+/-6.026 χ^2/NDF:18.9/16

Left: 2.891+/-4.360 χ^2/NDF: 52.6/35

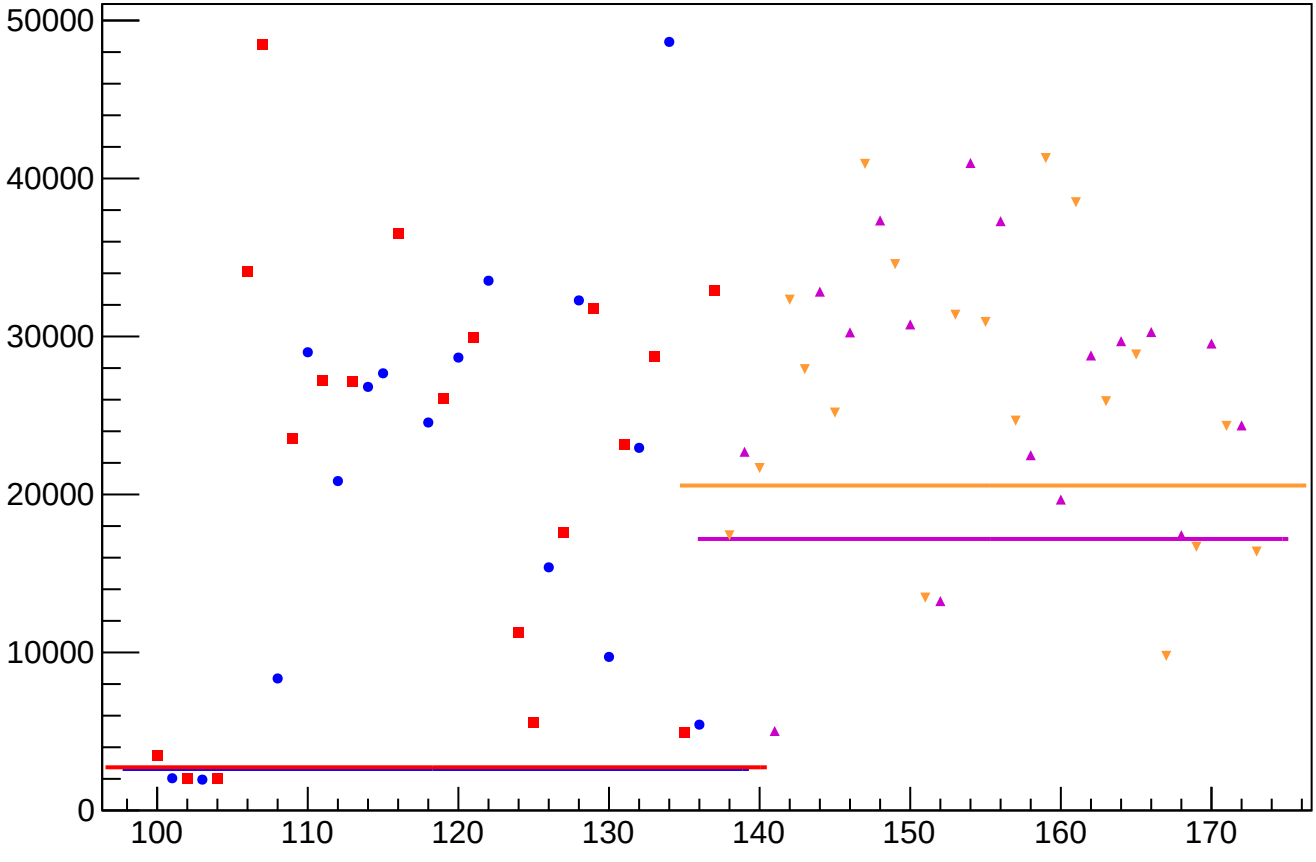
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.155+/-1.654 χ^2/NDF:55.5/32

Out: -3.208+/-1.750 χ^2/NDF:56.5/37

All: -4.765+/-1.202 χ^2/NDF: 113.5/70

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 20566.827+/-4.467 χ^2/NDF:3728062.4/18

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 17183.958+/-4.261 χ^2/NDF:6643224.6/16

Left: 18795.597+/-3.083 χ^2/NDF: 10671573.6/35

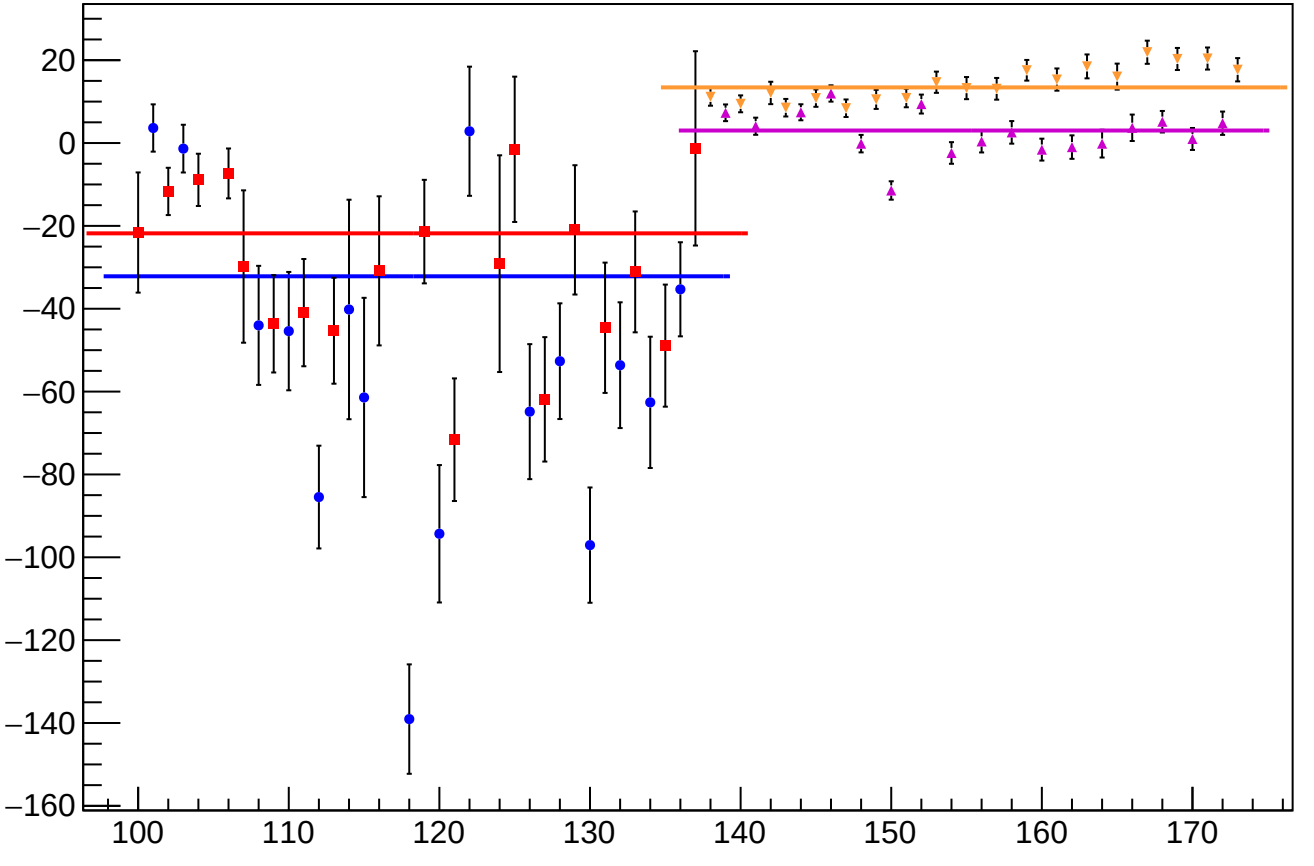
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 3723.576+/-1.170 χ^2/NDF:24216755.6/32

Out: 4099.547+/-1.238 χ^2/NDF:26434114.8/37

All: 3900.963+/-0.850 χ^2/NDF: 50699610.2/7

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 13.429+/-0.563 χ^2/NDF:52.8/18

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 3.020+/-0.586 χ^2/NDF:96.0/16

Left: 8.426+/-0.406 χ^2/NDF: 312.9/35

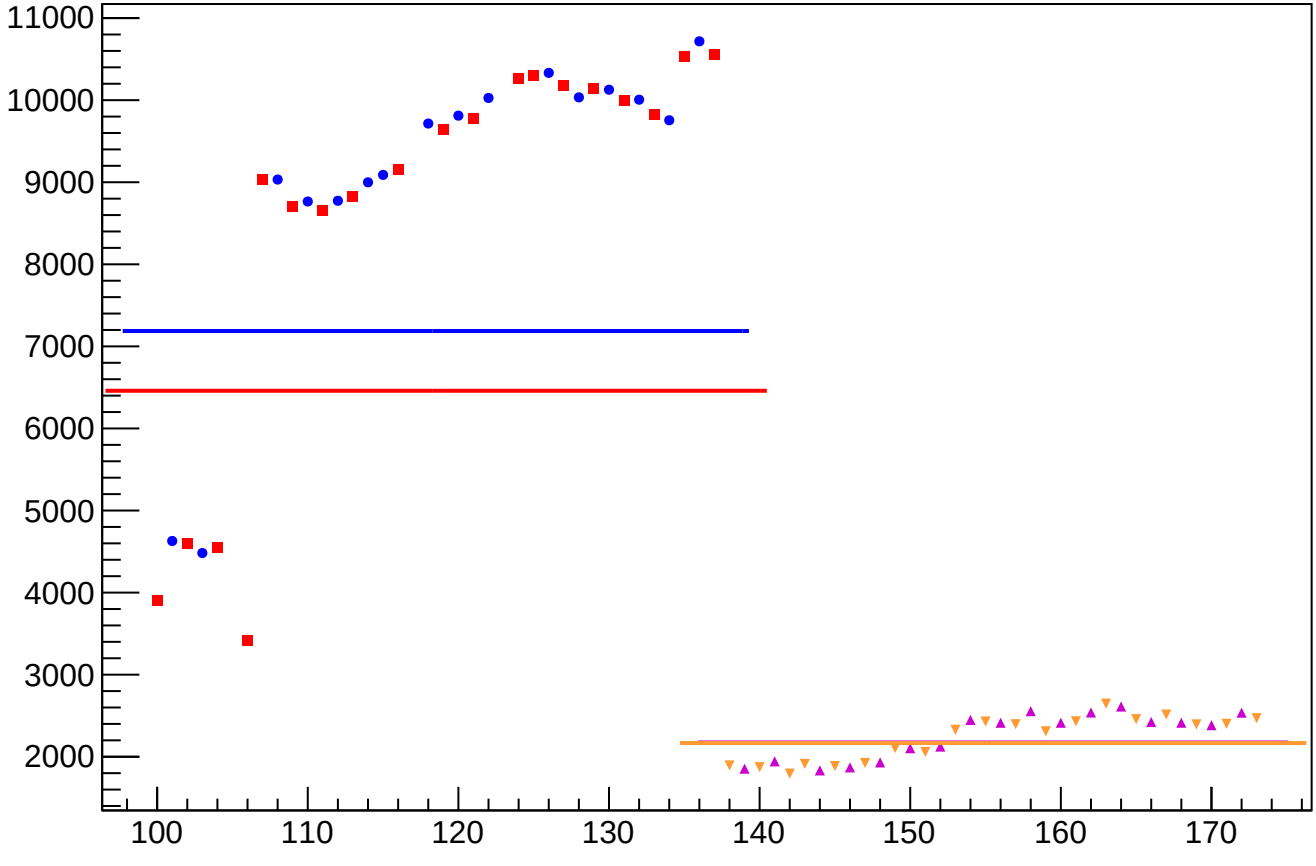
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 1.587+/-0.574 χ^2/NDF:450.9/32

Out: 11.799+/-0.550 χ^2/NDF:282.9/37

All: 6.905+/-0.397 χ^2/NDF: 898.9/70

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2166.968+/-0.398 χ^2/NDF:434642.1/18

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 2174.160+/-0.414 χ^2/NDF:450815.6/16

Left: 2170.425+/-0.287 χ^2/NDF: 885614.4/35

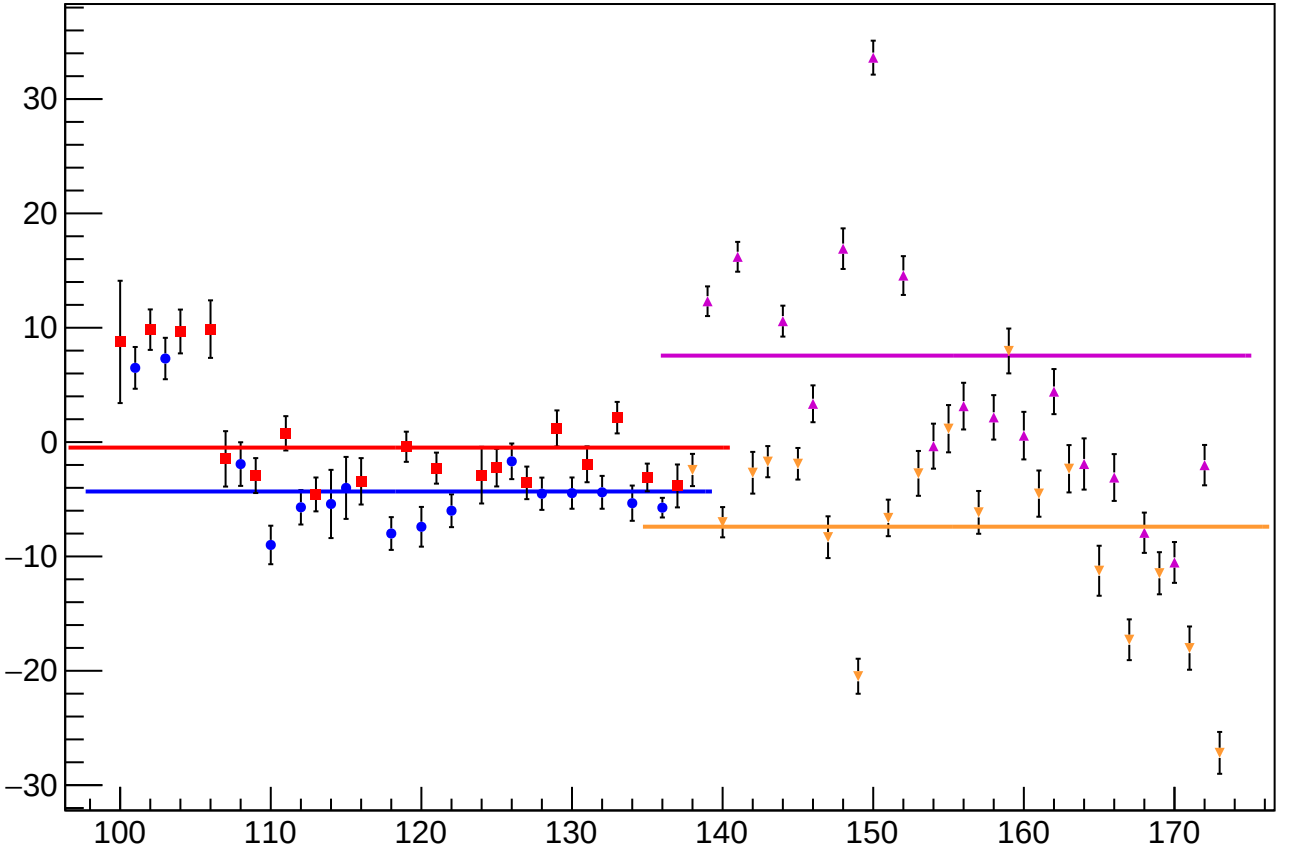
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2378.340+/-0.406 χ^2/NDF:8127617.1/32

Out: 2365.588+/-0.389 χ^2/NDF:8084670.7/37

All: 2371.699+/-0.281 χ^2/NDF: 16212802.9/7

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -7.398+/-0.393 χ^2/NDF:405.6/18

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 7.563+/-0.413 χ^2/NDF:718.5/16

Left: -0.277+/-0.285 χ^2/NDF: 1813.4/35

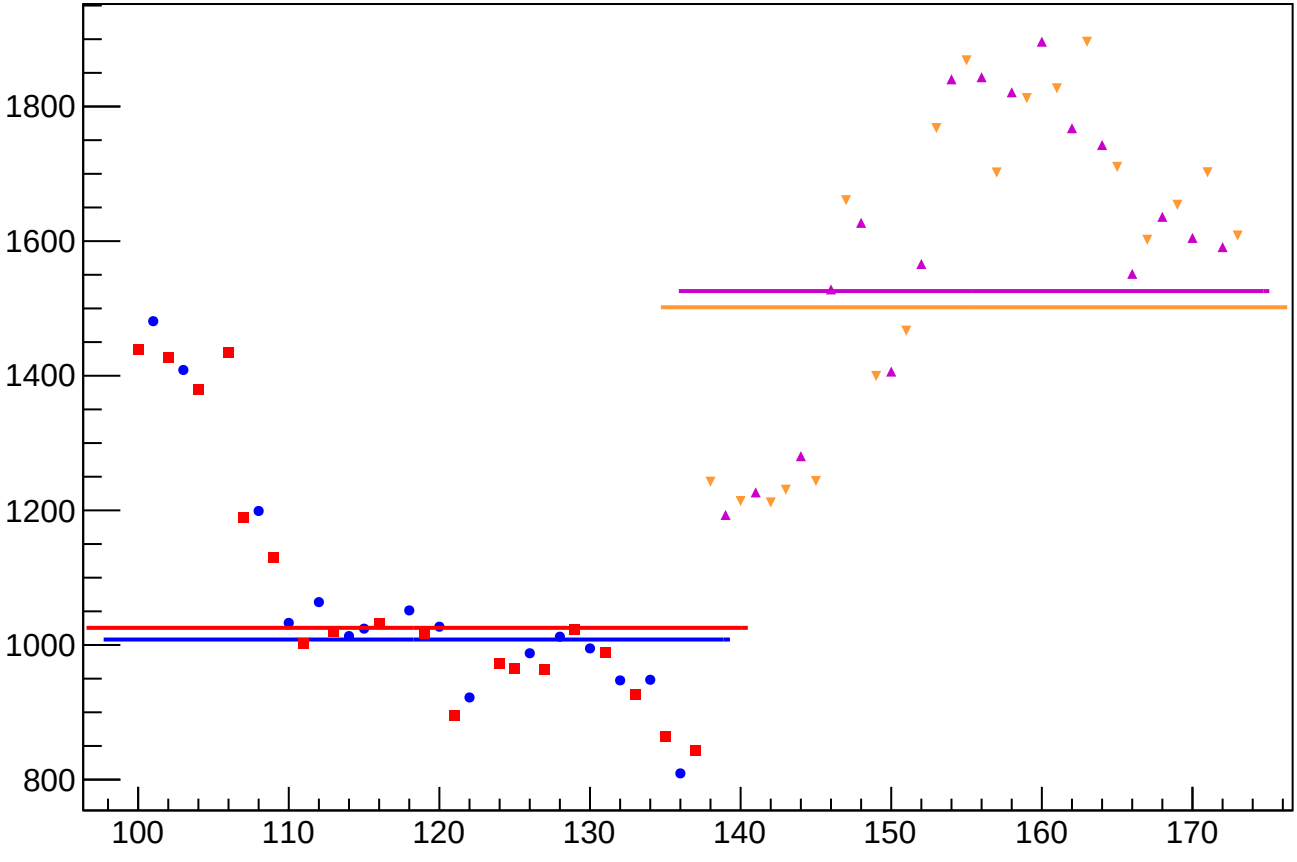
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 1.131+/-0.279 χ^2/NDF:1271.3/32

Out: -3.809+/-0.273 χ^2/NDF:683.4/37

All: -1.399+/-0.195 χ^2/NDF: 2114.8/70

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1501.762+/-0.278 χ^2/NDF:751573.9/18

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1525.797+/-0.292 χ^2/NDF:595820.8/16

Left: 1513.202+/-0.201 χ^2/NDF: 1350952.6/35

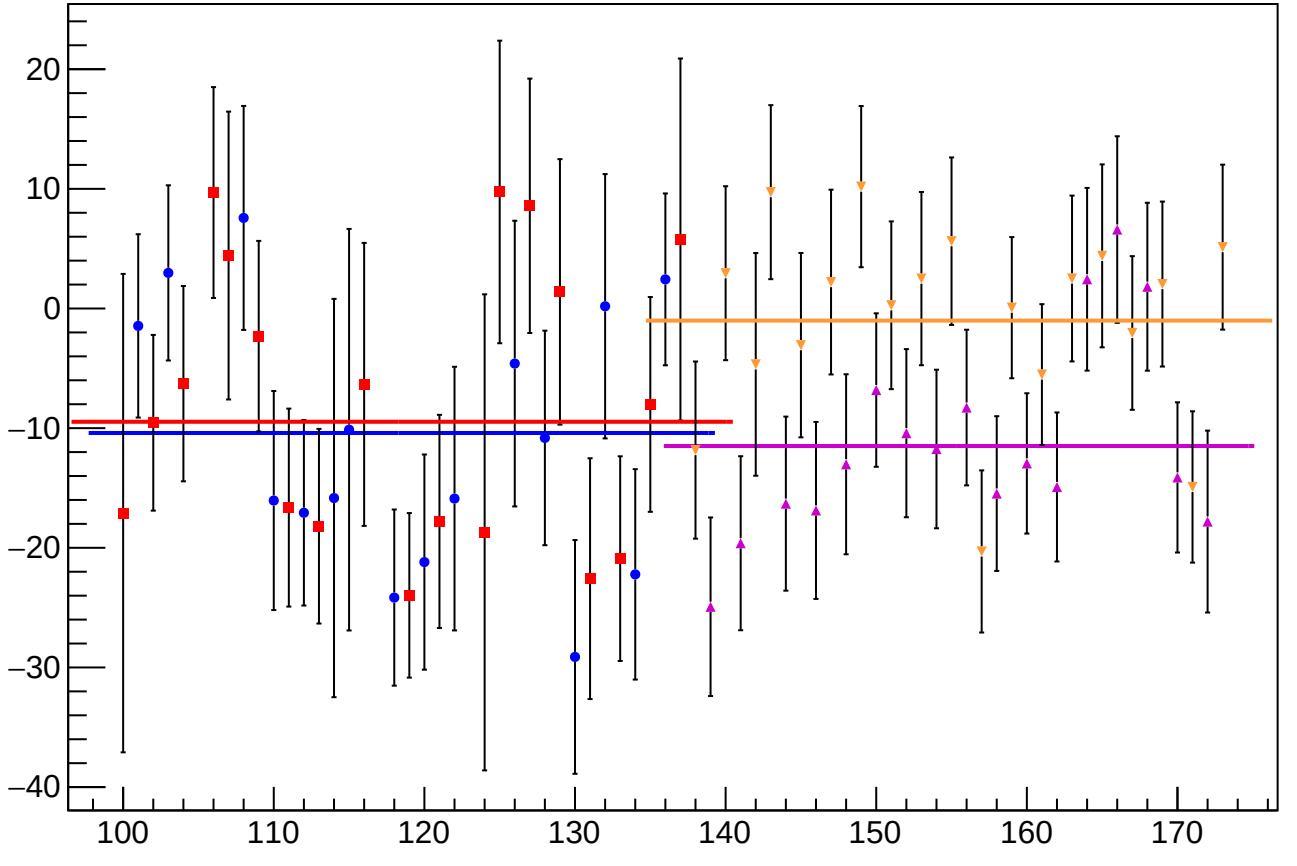
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1245.581+/-0.198 χ^2/NDF:2679613.7/32

Out: 1254.681+/-0.193 χ^2/NDF:2620227.6/37

All: 1250.241+/-0.138 χ^2/NDF: 5300927.8/70

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -1.012+/-1.597 χ^2/NDF:24.3/18

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -11.493+/-1.671 χ^2/NDF:20.2/16

Left: -6.016+/-1.155 χ^2/NDF: 65.1/35

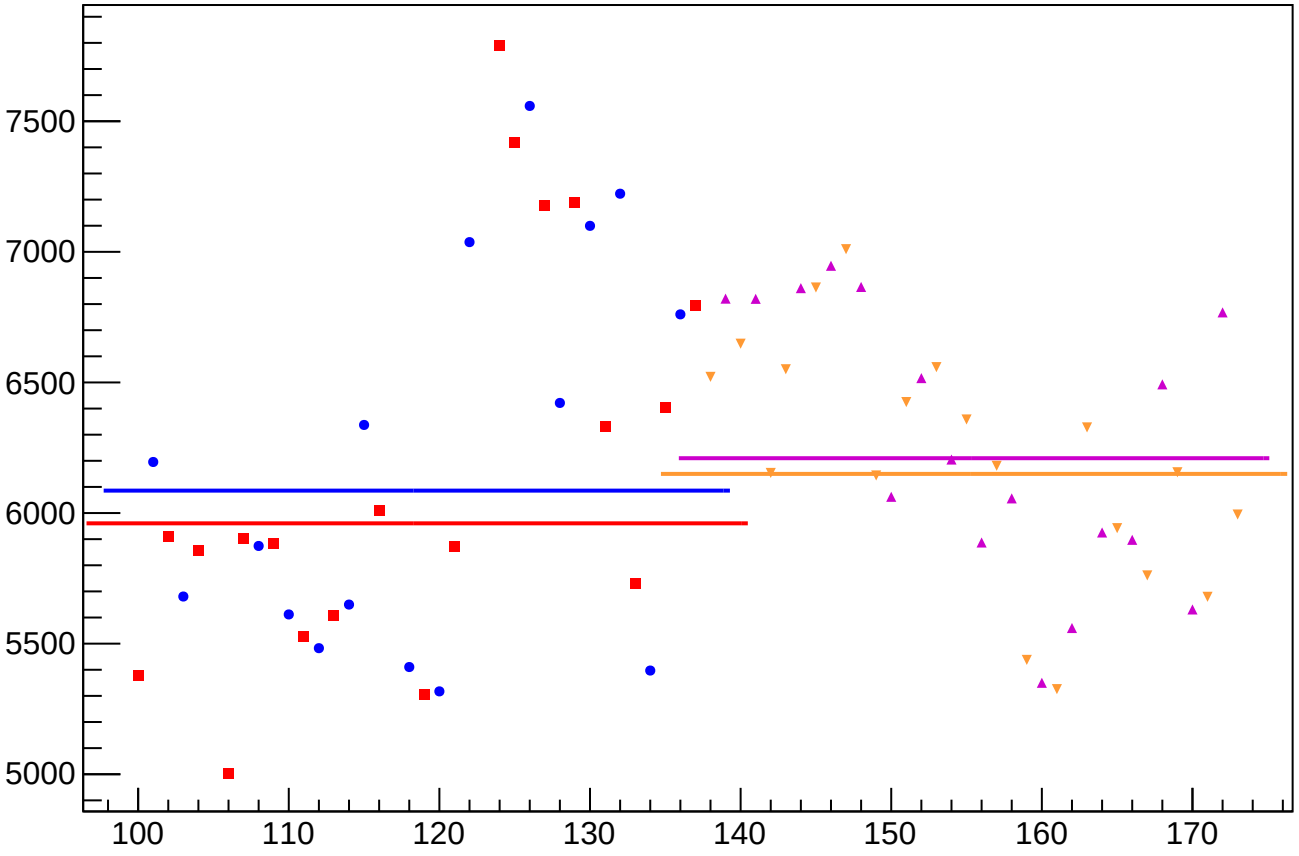
Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -11.112+/-1.348 χ^2/NDF:45.0/32

Out: -3.947+/-1.291 χ^2/NDF:59.4/37

All: -7.374+/-0.932 χ^2/NDF: 119.1/70

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6149.865+/-1.130 χ^2/NDF:164409.9/18

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6209.941+/-1.182 χ^2/NDF:191318.7/16

Left: 6178.549+/-0.817 χ^2/NDF: 357079.2/35

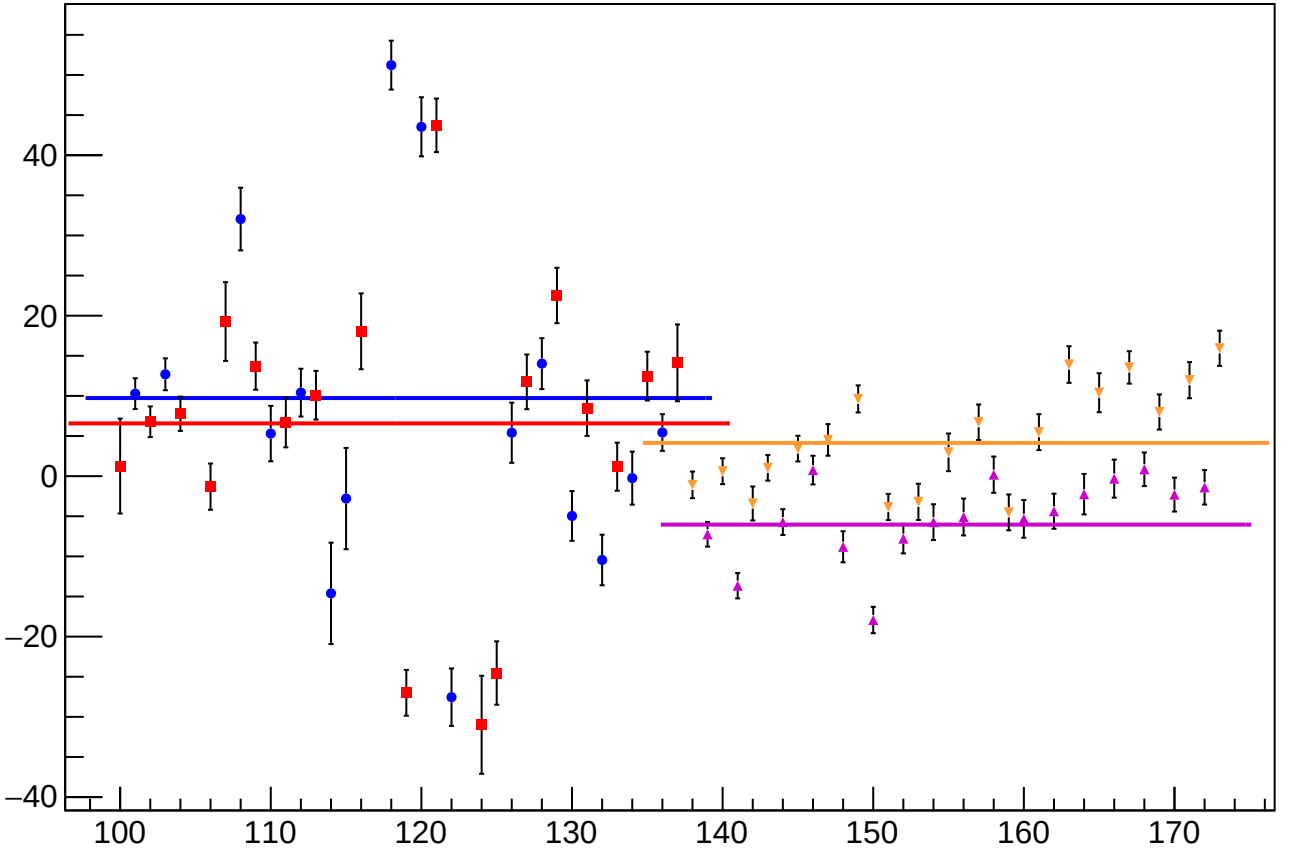
Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6166.582+/-0.953 χ^2/NDF:374289.9/32

Out: 6084.176+/-0.913 χ^2/NDF:336926.0/37

All: 6123.597+/-0.659 χ^2/NDF: 715115.6/70

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 4.144+/-0.450 χ^2/NDF:184.3/18

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -6.039+/-0.475 χ^2/NDF:128.9/16

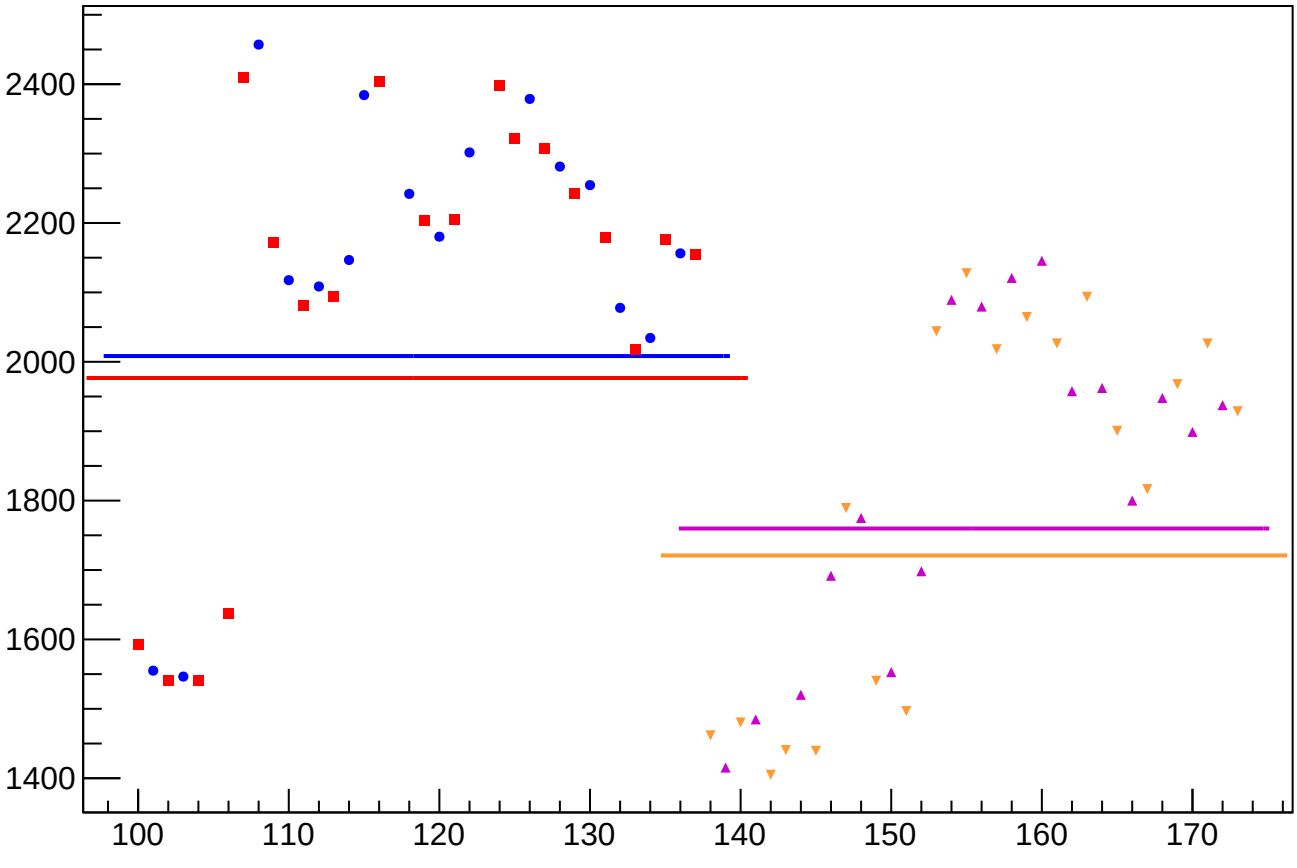
Left: -0.671+/-0.327 χ^2/NDF: 555.6/35

Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.568+/-0.402 χ^2/NDF:954.0/32

Out: 4.813+/-0.383 χ^2/NDF:616.1/37

All: 1.777+/-0.277 χ^2/NDF: 1702.1/70



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1721.004+/-0.318 χ^2/NDF:695314.7/18

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1759.811+/-0.336 χ^2/NDF:497818.5/16

Left: 1739.356+/-0.231 χ^2/NDF: 1200173.8/35

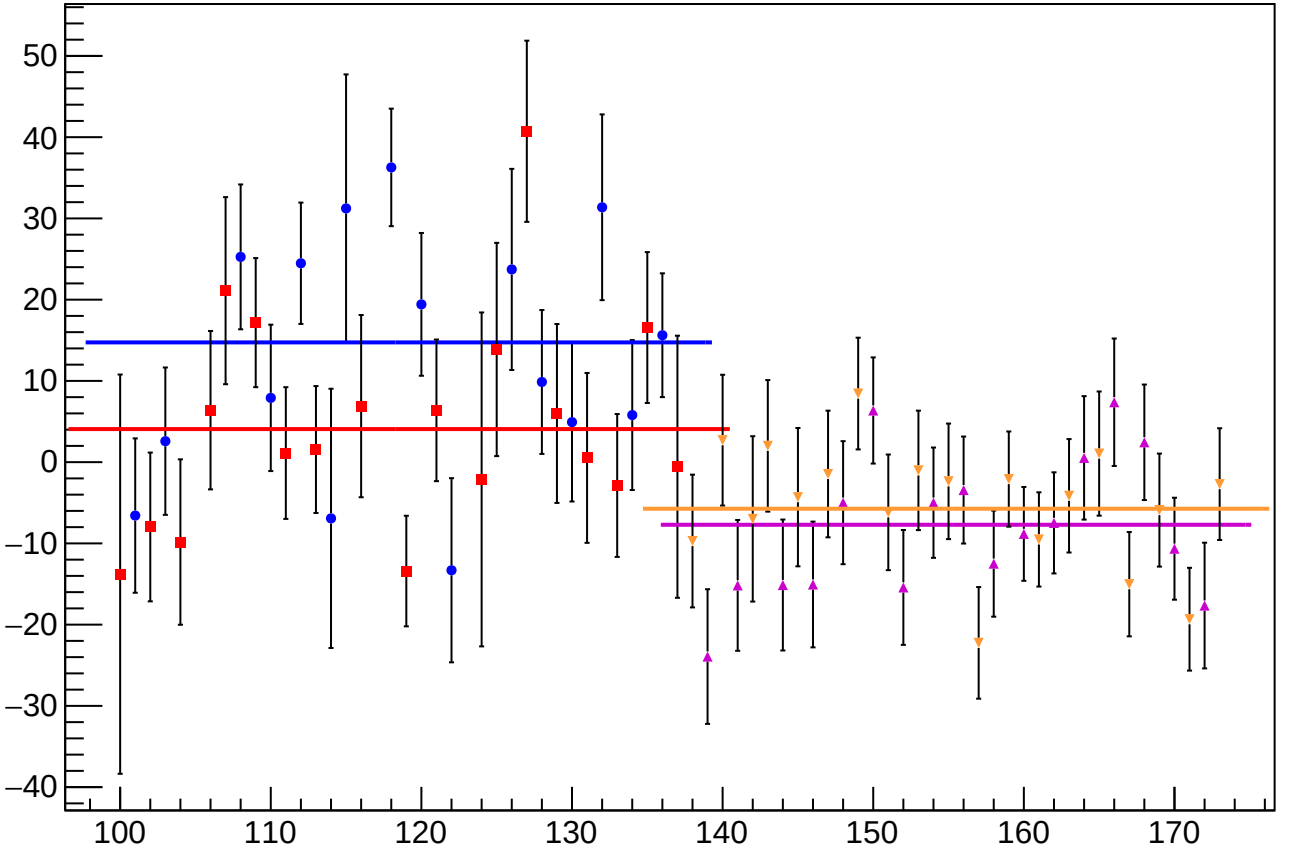
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1830.255+/-0.284 χ^2/NDF:997460.1/32

Out: 1791.314+/-0.271 χ^2/NDF:1238394.8/37

All: 1809.844+/-0.196 χ^2/NDF: 2245693.5/70

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -5.732+/-1.636 χ^2/NDF:21.8/18

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -7.708+/-1.709 χ^2/NDF:22.3/16

Left: -6.677+/-1.182 χ^2/NDF: 44.8/35

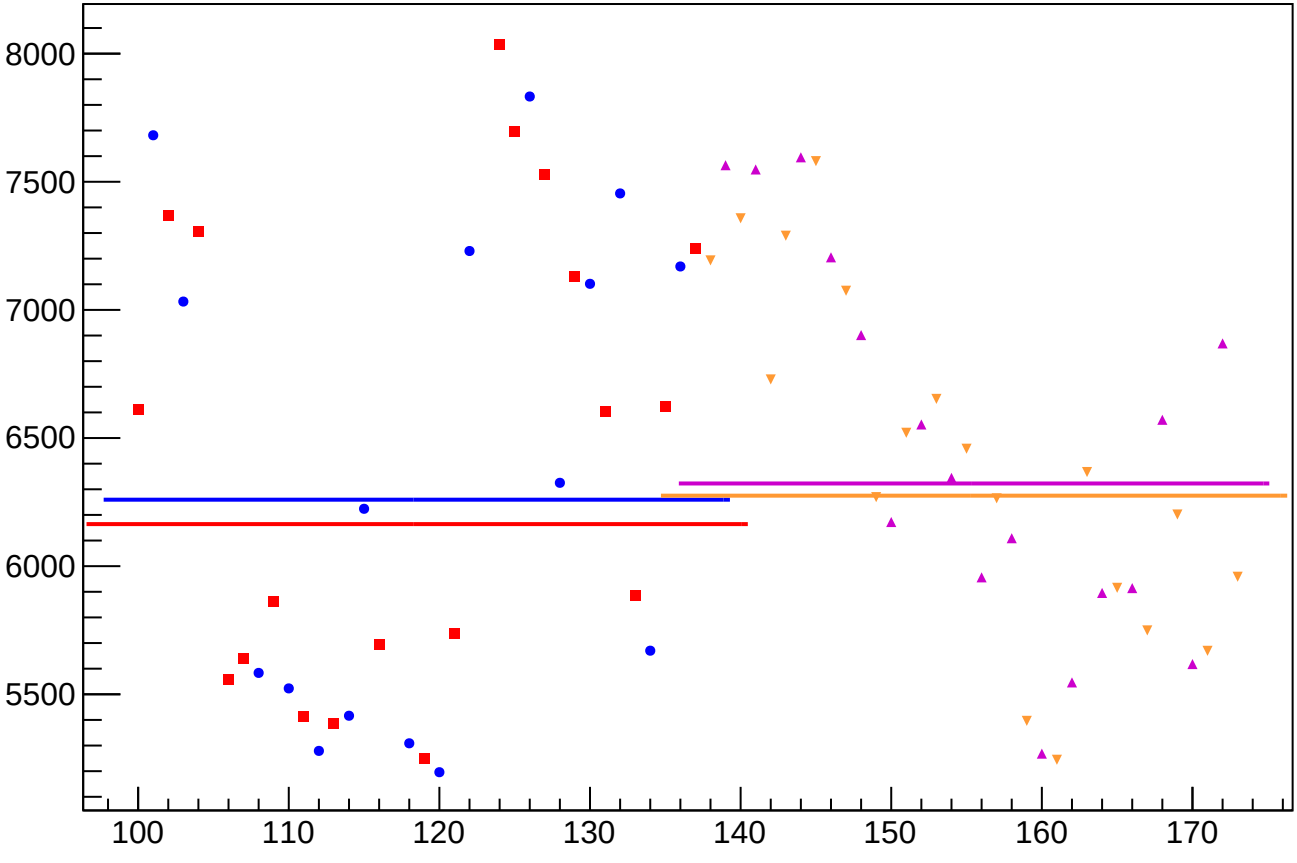
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 0.023+/-1.384 χ^2/NDF:115.3/32

Out: -2.387+/-1.328 χ^2/NDF:64.2/37

All: -1.231+/-0.958 χ^2/NDF: 181.1/70

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6275.135+/-1.157 χ^2/NDF:322896.0/18

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 6322.695+/-1.208 χ^2/NDF:337535.9/16

Left: 6297.885+/-0.836 χ^2/NDF: 661240.1/35

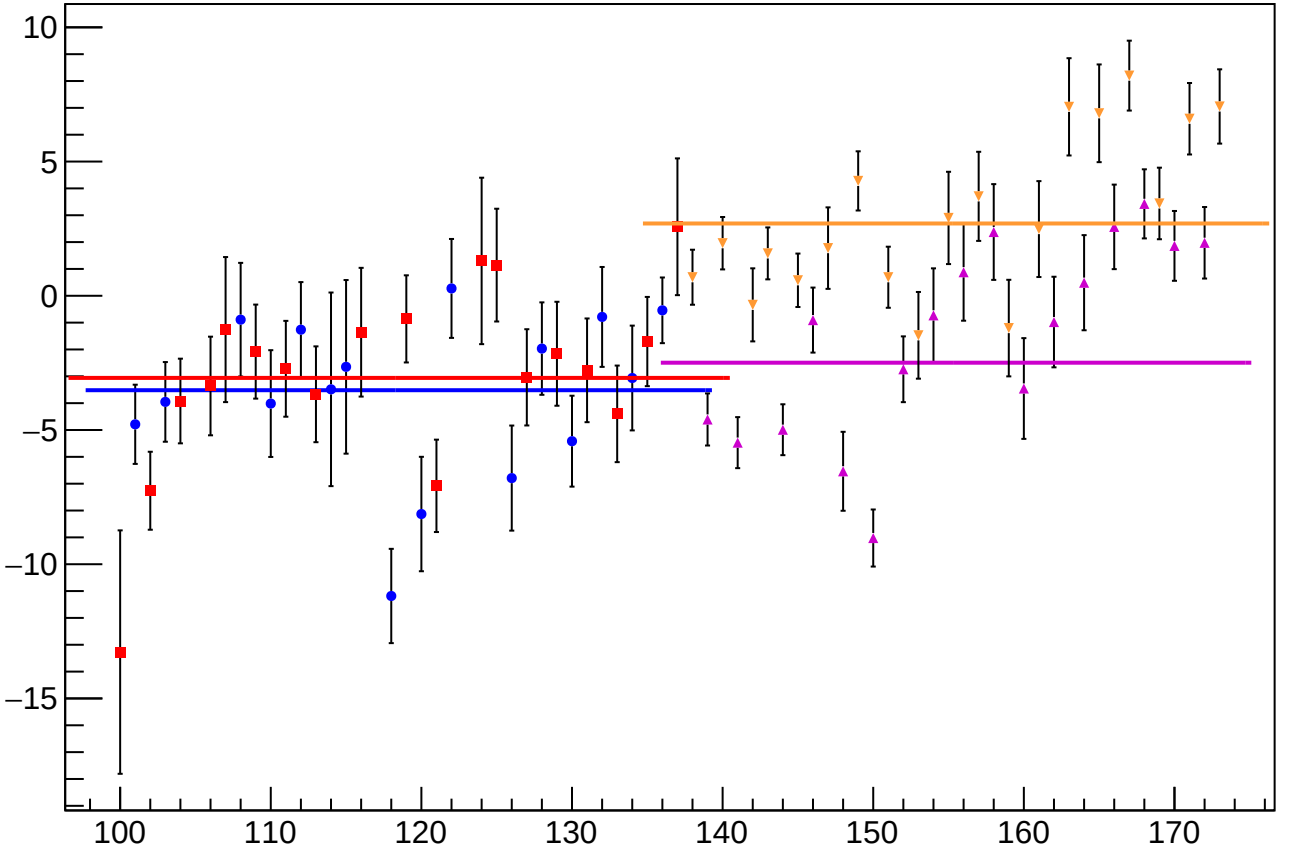
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6300.901+/-0.978 χ^2/NDF:647087.3/32

Out: 6237.263+/-0.939 χ^2/NDF:591094.4/37

All: 6267.782+/-0.678 χ^2/NDF: 1240383.6/70

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 2.693+/-0.299 χ^2/NDF:80.0/18

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -2.493+/-0.316 χ^2/NDF:138.3/16

Left: 0.242+/-0.217 χ^2/NDF: 360.8/35

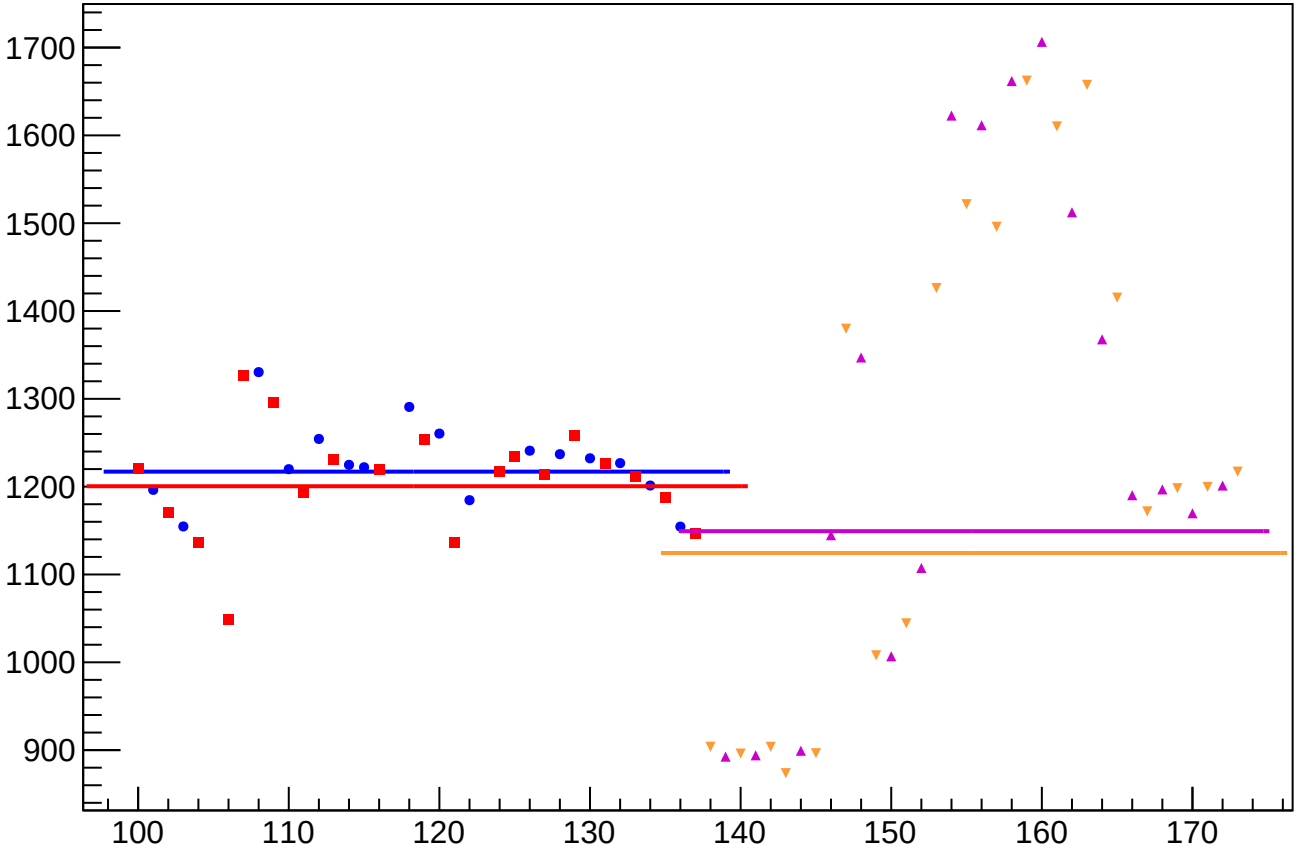
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -2.829+/-0.259 χ^2/NDF:186.9/32

Out: 0.868+/-0.247 χ^2/NDF:232.4/37

All: -0.893+/-0.179 χ^2/NDF: 526.1/70

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1124.445+/-0.211 χ^2/NDF:1434672.1/18

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 1149.314+/-0.223 χ^2/NDF:1247145.9/16

Left: 1136.200+/-0.153 χ^2/NDF: 2688367.3/35

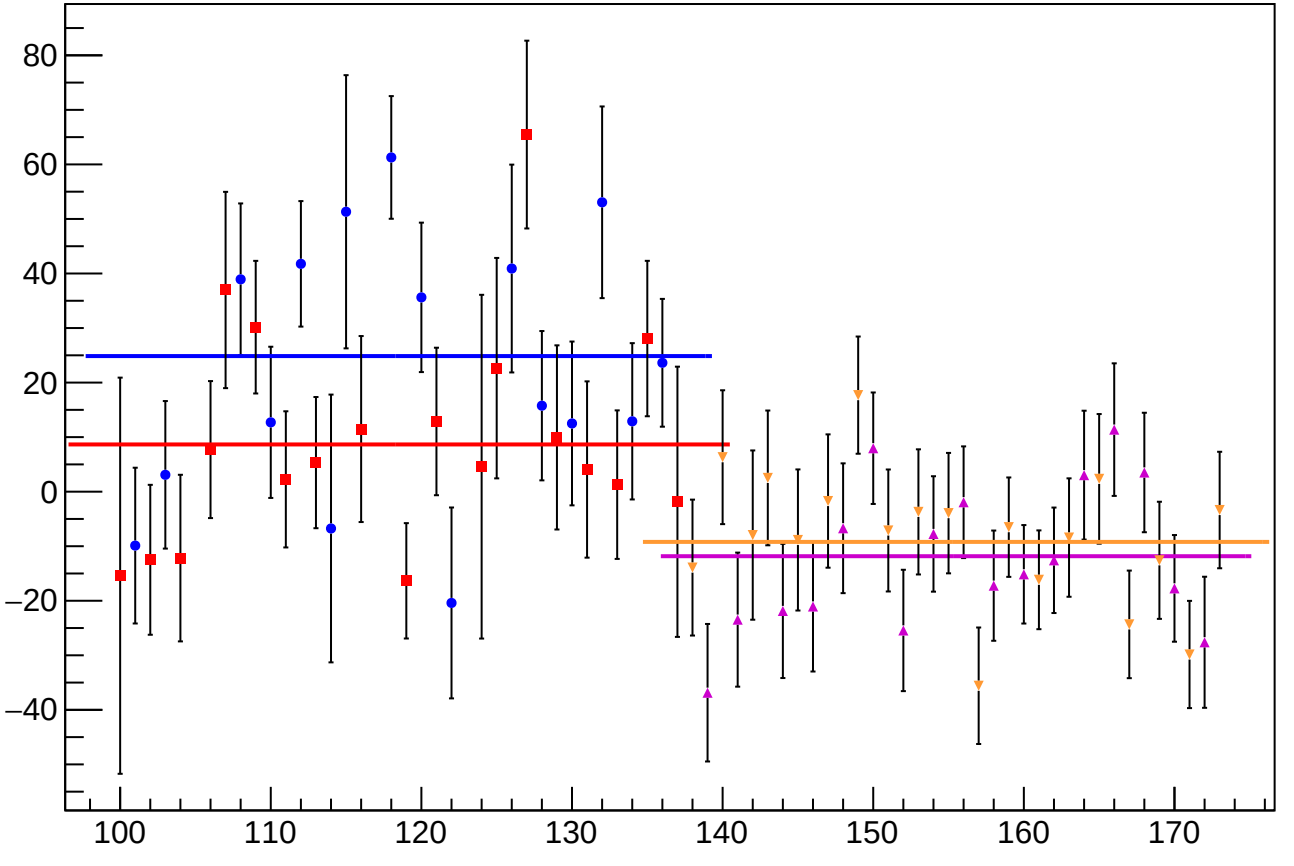
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1171.501+/-0.183 χ^2/NDF:1299030.1/32

Out: 1148.570+/-0.175 χ^2/NDF:1513432.2/37

All: 1159.494+/-0.126 χ^2/NDF: 2820681.4/70

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -9.208+/-2.535 χ^2/NDF:24.7/18

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -11.832+/-2.652 χ^2/NDF:22.3/16

Left: -10.461+/-1.833 χ^2/NDF: 47.5/35

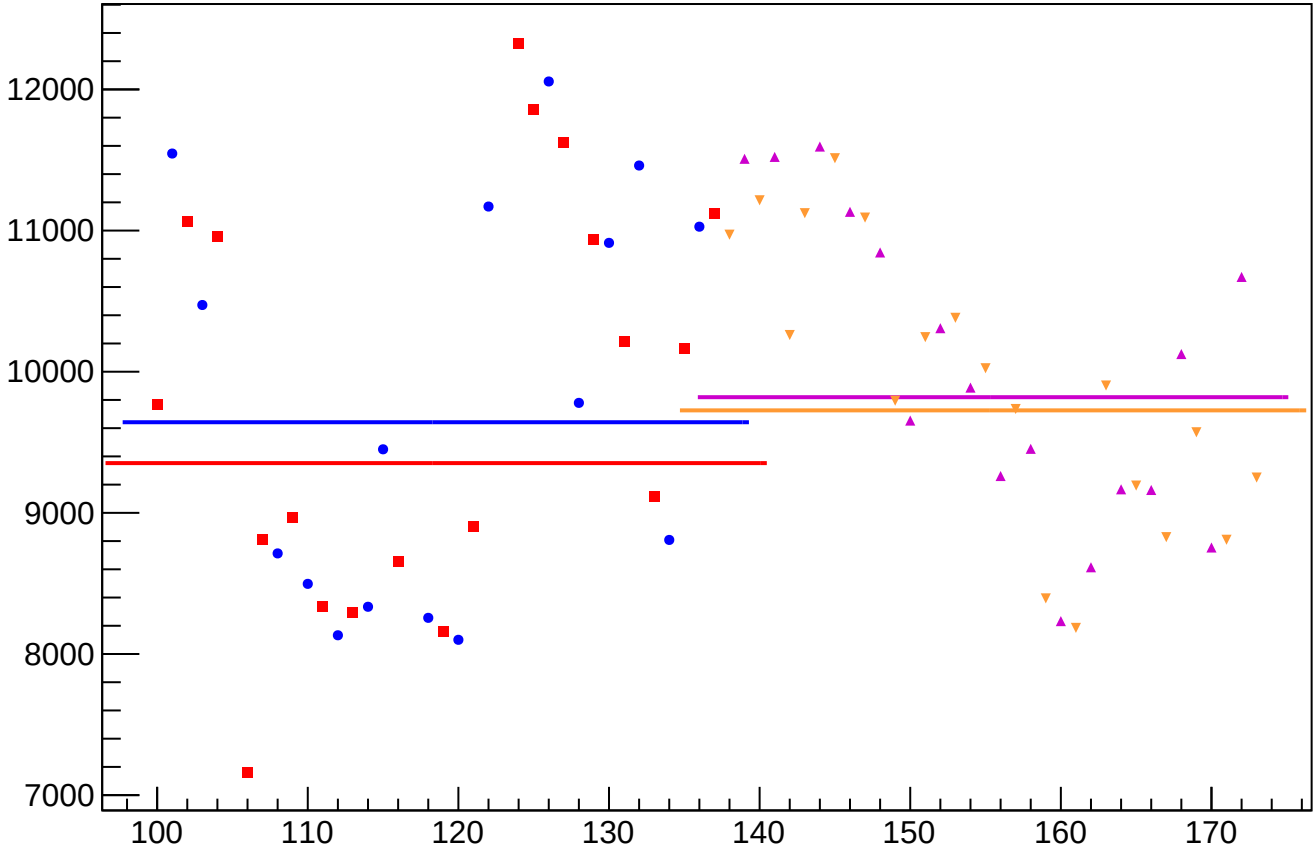
Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 0.947+/-2.141 χ^2/NDF:127.1/32

Out: -2.951+/-2.044 χ^2/NDF:72.2/37

All: -1.093+/-1.478 χ^2/NDF: 201.1/70

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9726.120+/-1.793 χ^2/NDF:296433.4/18

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 9819.514+/-1.875 χ^2/NDF:308277.0/16

Left: 9770.714+/-1.296 χ^2/NDF: 606006.3/35

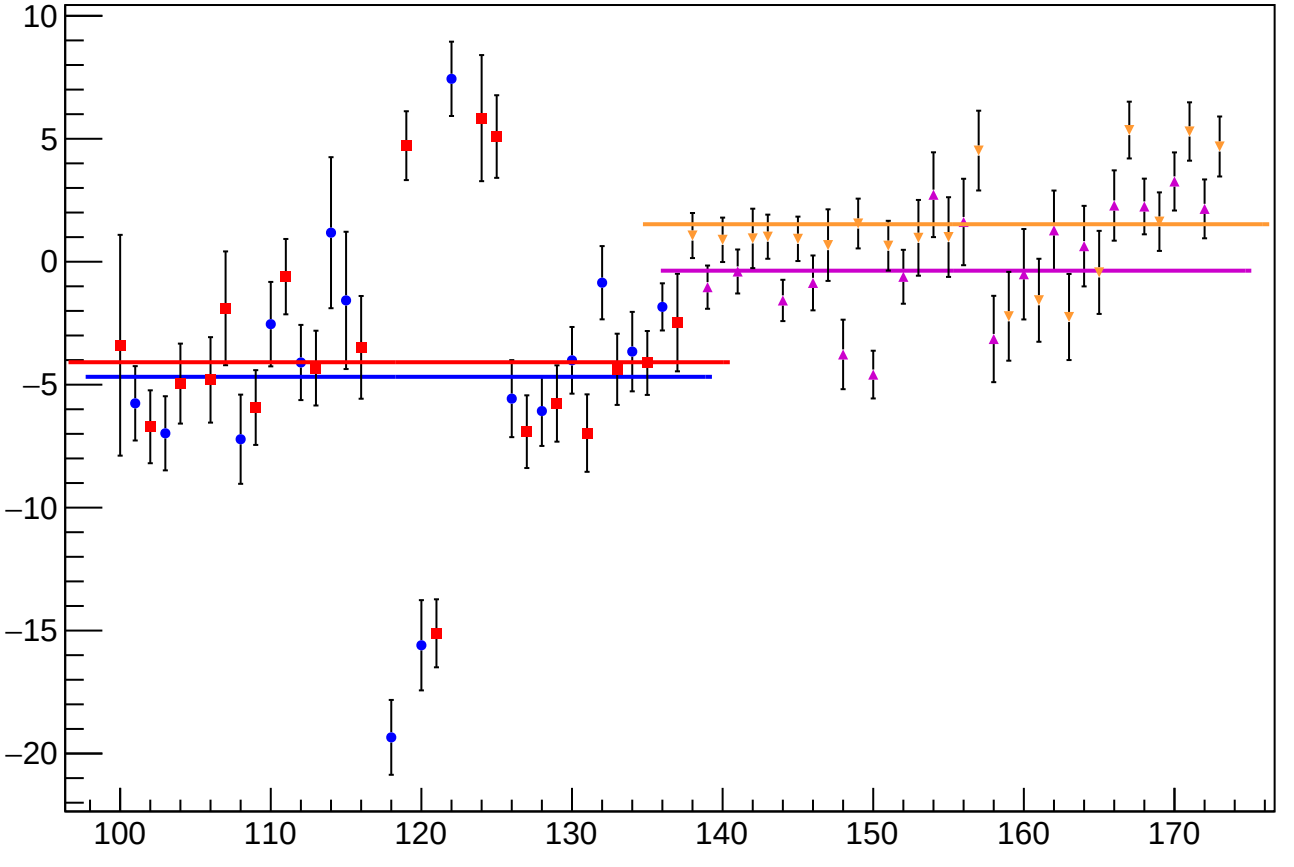
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 9757.715+/-1.514 χ^2/NDF:591052.3/32

Out: 9595.288+/-1.445 χ^2/NDF:613422.0/37

All: 9672.727+/-1.045 χ^2/NDF: 1210497.0/70

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 1.525+/-0.274 χ^2/NDF:47.9/18

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: -0.364+/-0.290 χ^2/NDF:58.7/16

Left: 0.635+/-0.199 χ^2/NDF: 129.0/35

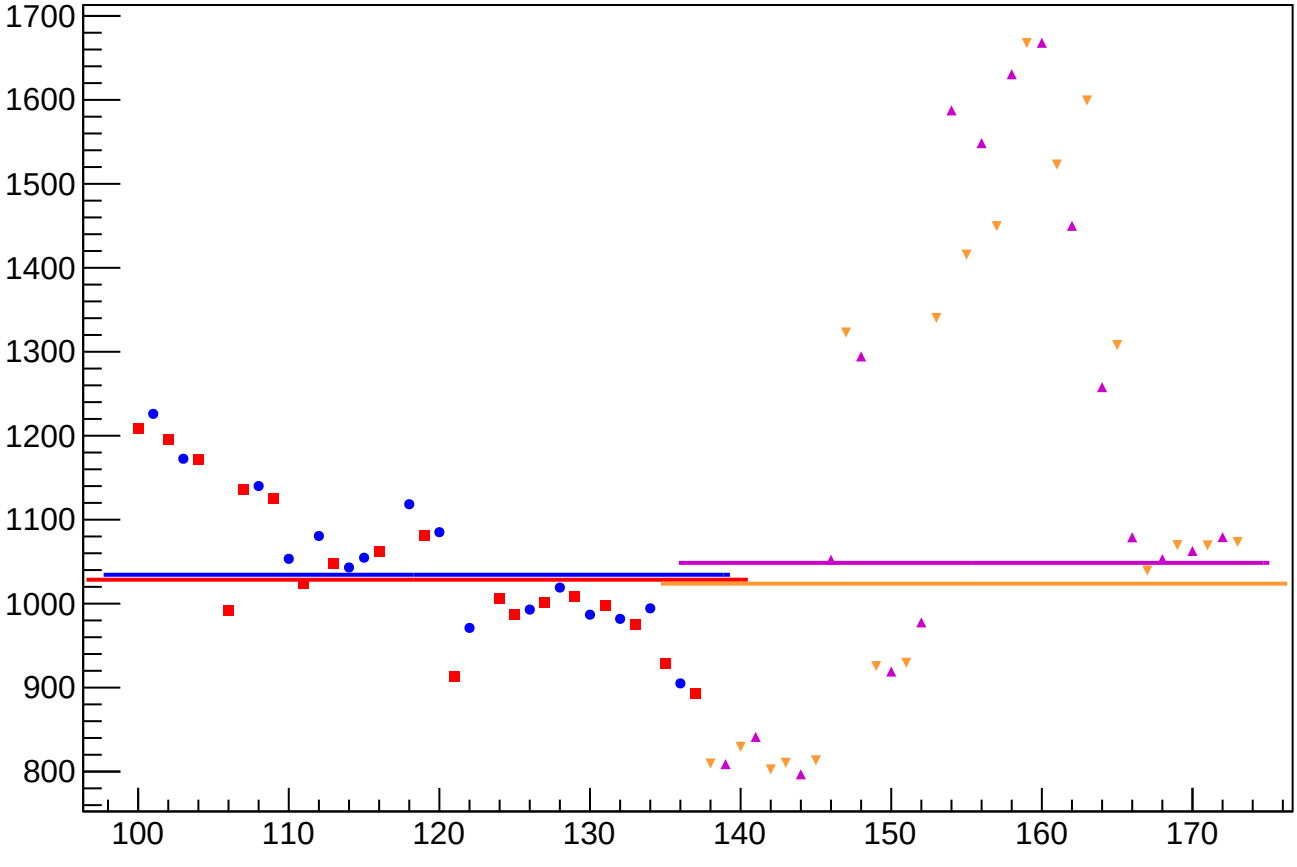
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -1.924+/-0.232 χ^2/NDF:359.8/32

Out: -0.416+/-0.221 χ^2/NDF:361.4/37

All: -1.135+/-0.160 χ^2/NDF: 743.3/70

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1023.791+/-0.194 χ^2/NDF:1661842.3/18

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 1048.559+/-0.205 χ^2/NDF:1502735.1/16

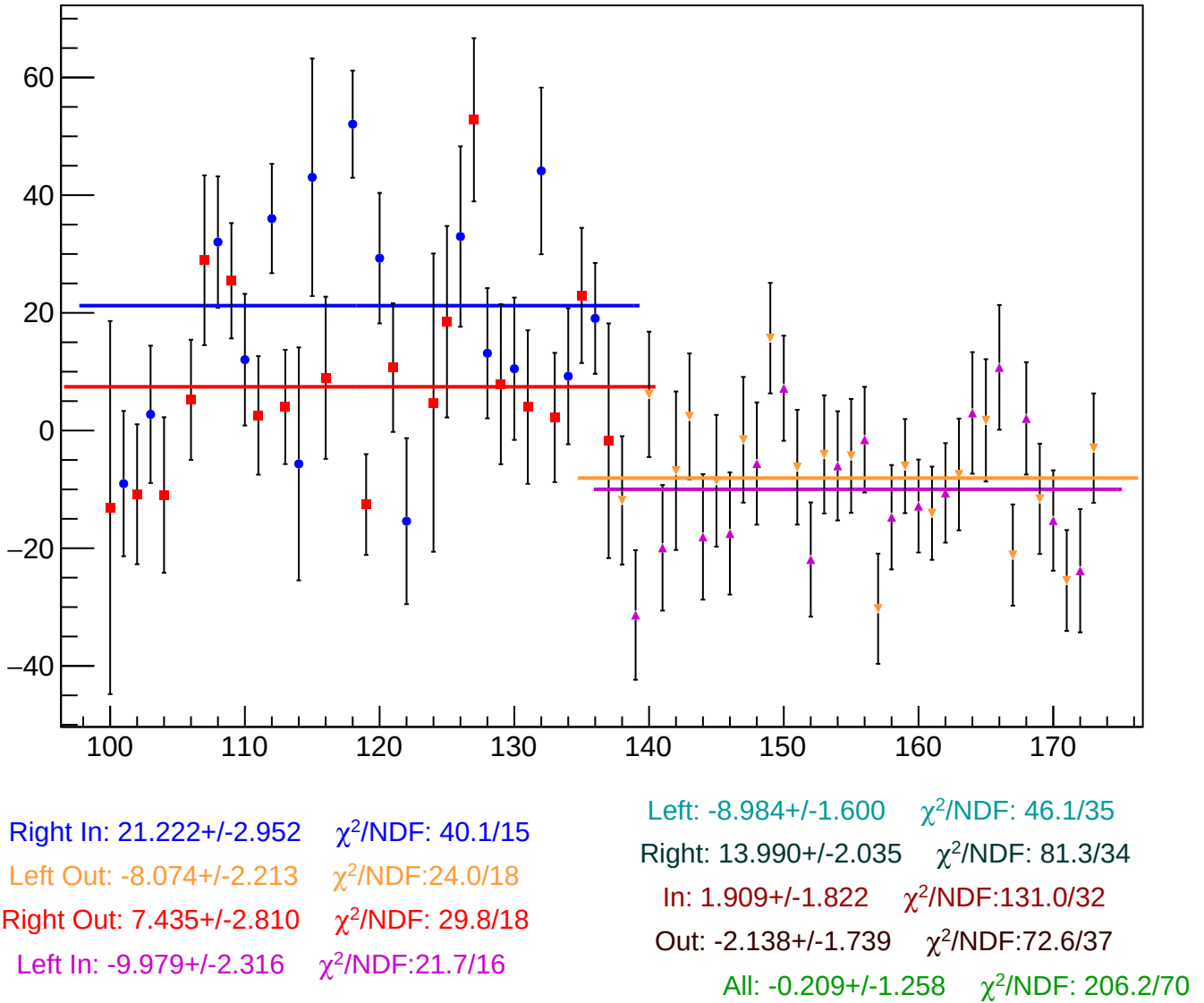
Left: 1035.454+/-0.141 χ^2/NDF: 3172288.4/35

Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

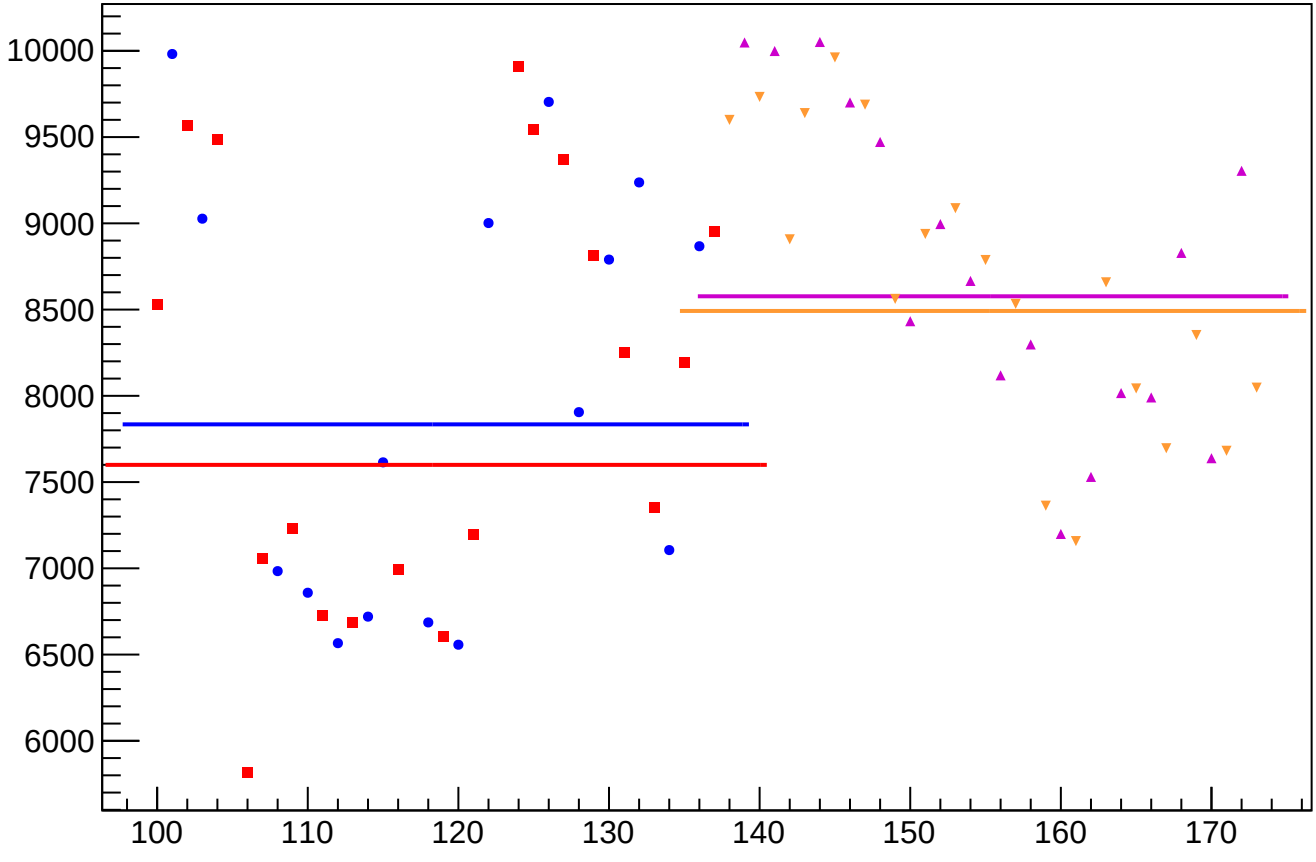
In: 1043.444+/-0.164 χ^2/NDF:1617733.9/32

Out: 1025.420+/-0.157 χ^2/NDF:1763671.9/37

All: 1034.014+/-0.113 χ^2/NDF: 3387727.5/70


diff_bpm0l08X_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
Right In: 21.222+/-2.952 χ²/NDF: 40.1/15
Left Out: -8.074+/-2.213 χ²/NDF:24.0/18
Right Out: 7.435+/-2.810 χ²/NDF: 29.8/18
Left In: -9.979+/-2.316 χ²/NDF:21.7/16
Left: -8.984+/-1.600 χ²/NDF: 46.1/35
Right: 13.990+/-2.035 χ²/NDF: 81.3/34
In: 1.909+/-1.822 χ²/NDF:131.0/32
Out: -2.138+/-1.739 χ²/NDF:72.6/37
All: -0.209+/-1.258 χ²/NDF: 206.2/70

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8492.046+/-1.565 χ^2/NDF:286543.6/18

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 8577.098+/-1.638 χ^2/NDF:298328.5/16

Left: 8532.644+/-1.131 χ^2/NDF: 586282.1/35

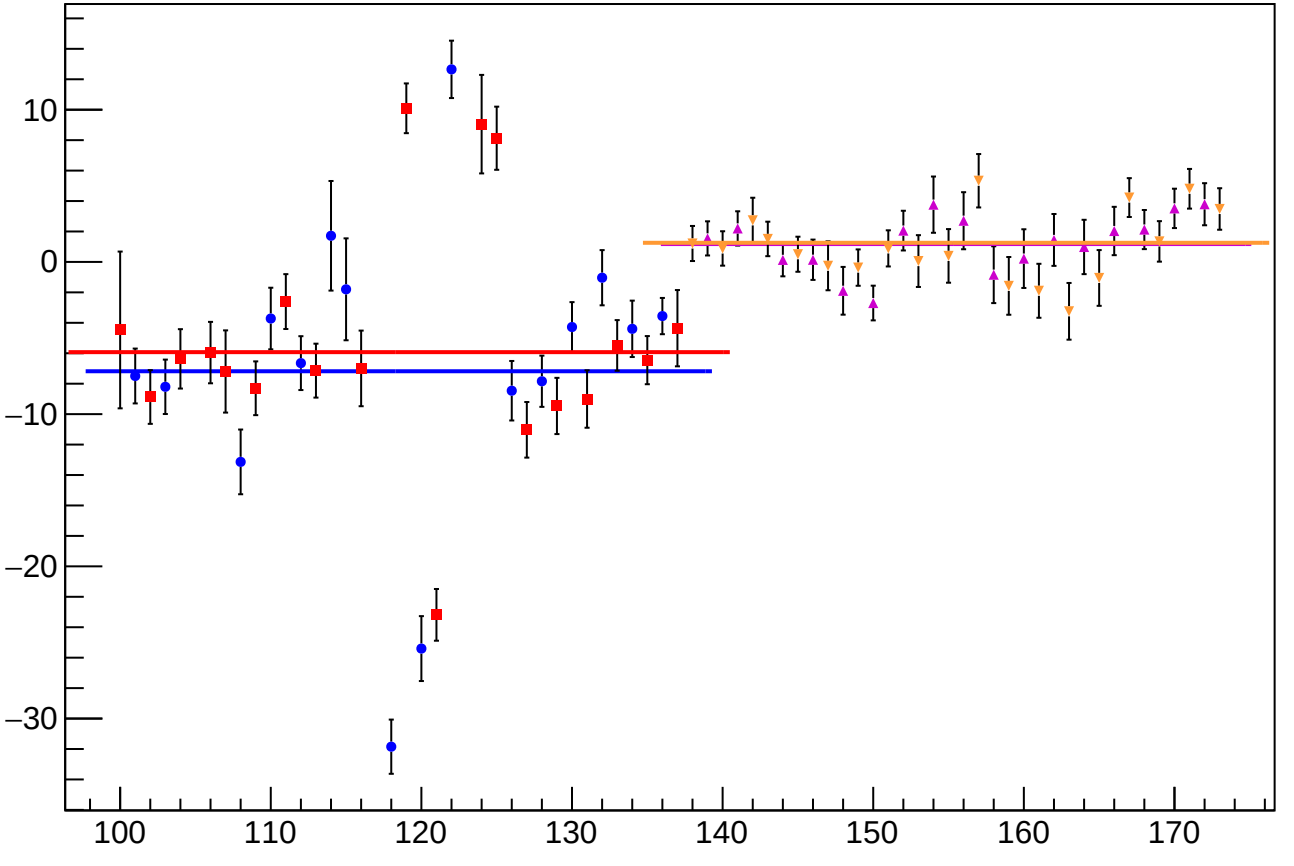
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8294.196+/-1.288 χ^2/NDF:694743.3/32

Out: 8150.487+/-1.229 χ^2/NDF:755285.7/37

All: 8218.980+/-0.889 χ^2/NDF: 1456540.7/70

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.257+/-0.319 χ^2/NDF:38.9/18

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 1.174+/-0.339 χ^2/NDF:30.1/16

Left: 1.218+/-0.233 χ^2/NDF: 69.0/35

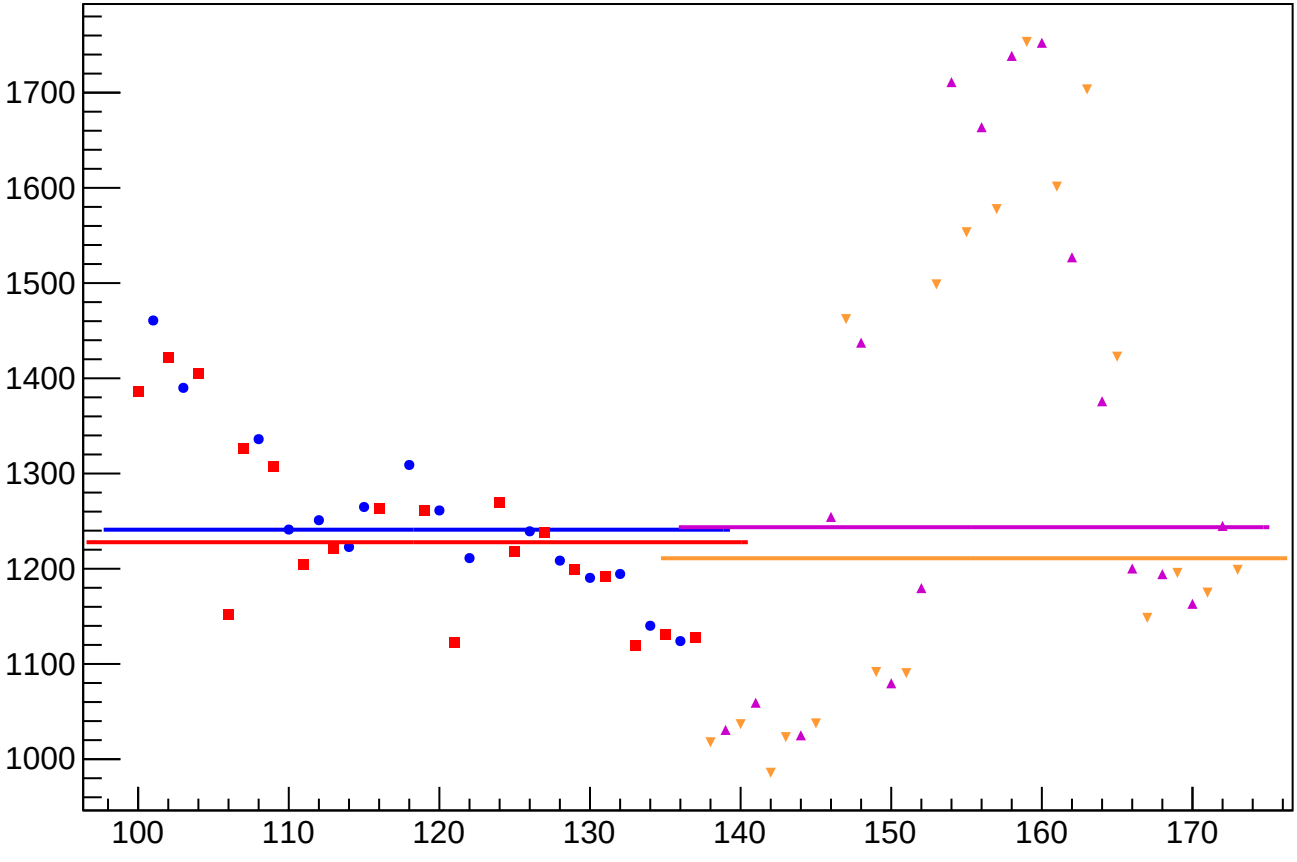
Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -1.751+/-0.274 χ^2/NDF:664.7/32

Out: -1.156+/-0.260 χ^2/NDF:499.1/37

All: -1.439+/-0.189 χ^2/NDF: 1166.3/70

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1211.019+/-0.226 χ^2/NDF:993317.7/18

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1243.633+/-0.240 χ^2/NDF:870930.7/16

Left: 1226.345+/-0.164 χ^2/NDF: 1874044.8/35

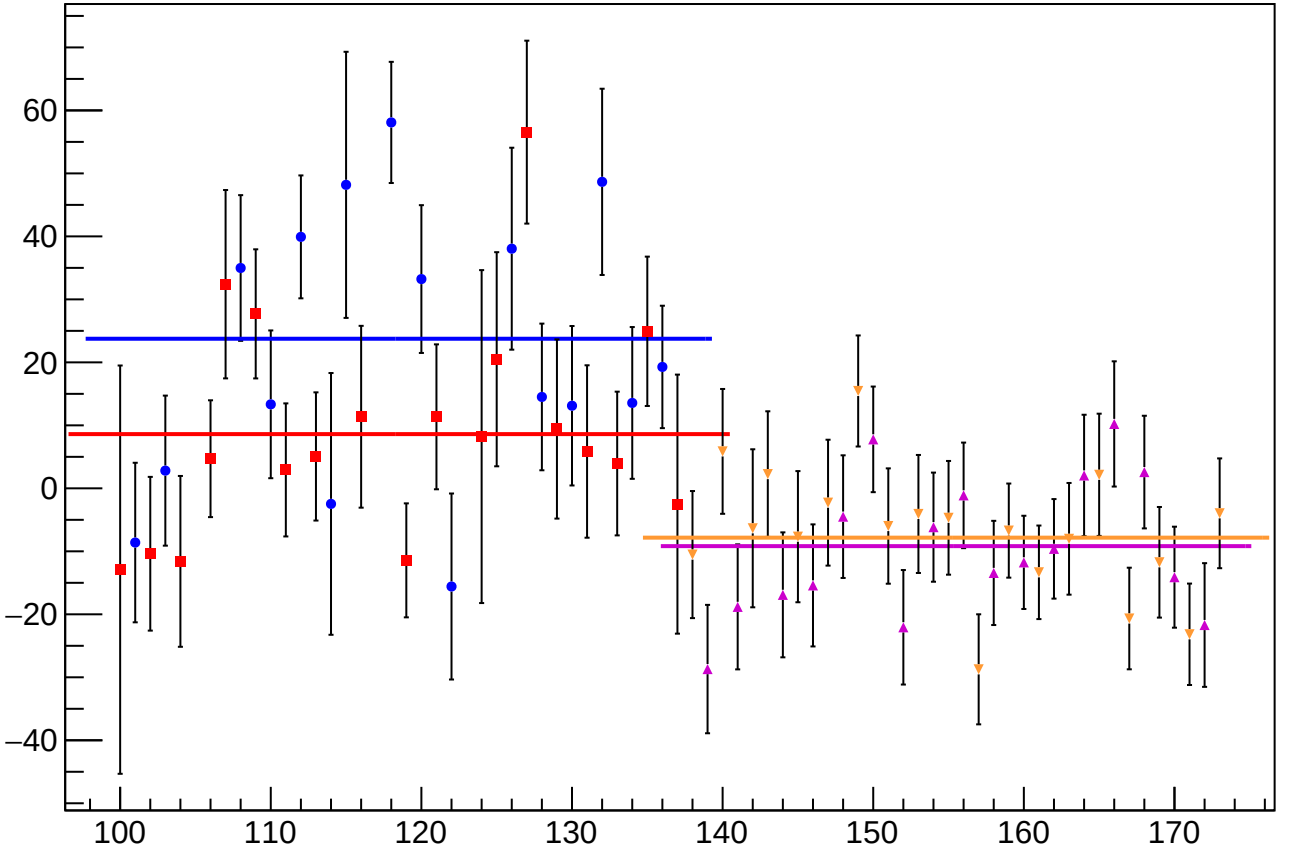
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1242.714+/-0.193 χ^2/NDF:951626.2/32

Out: 1216.677+/-0.184 χ^2/NDF:1077524.9/37

All: 1229.052+/-0.133 χ^2/NDF: 2038659.6/70

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -7.829+/-2.069 χ^2/NDF:24.5/18

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -9.176+/-2.166 χ^2/NDF:22.3/16

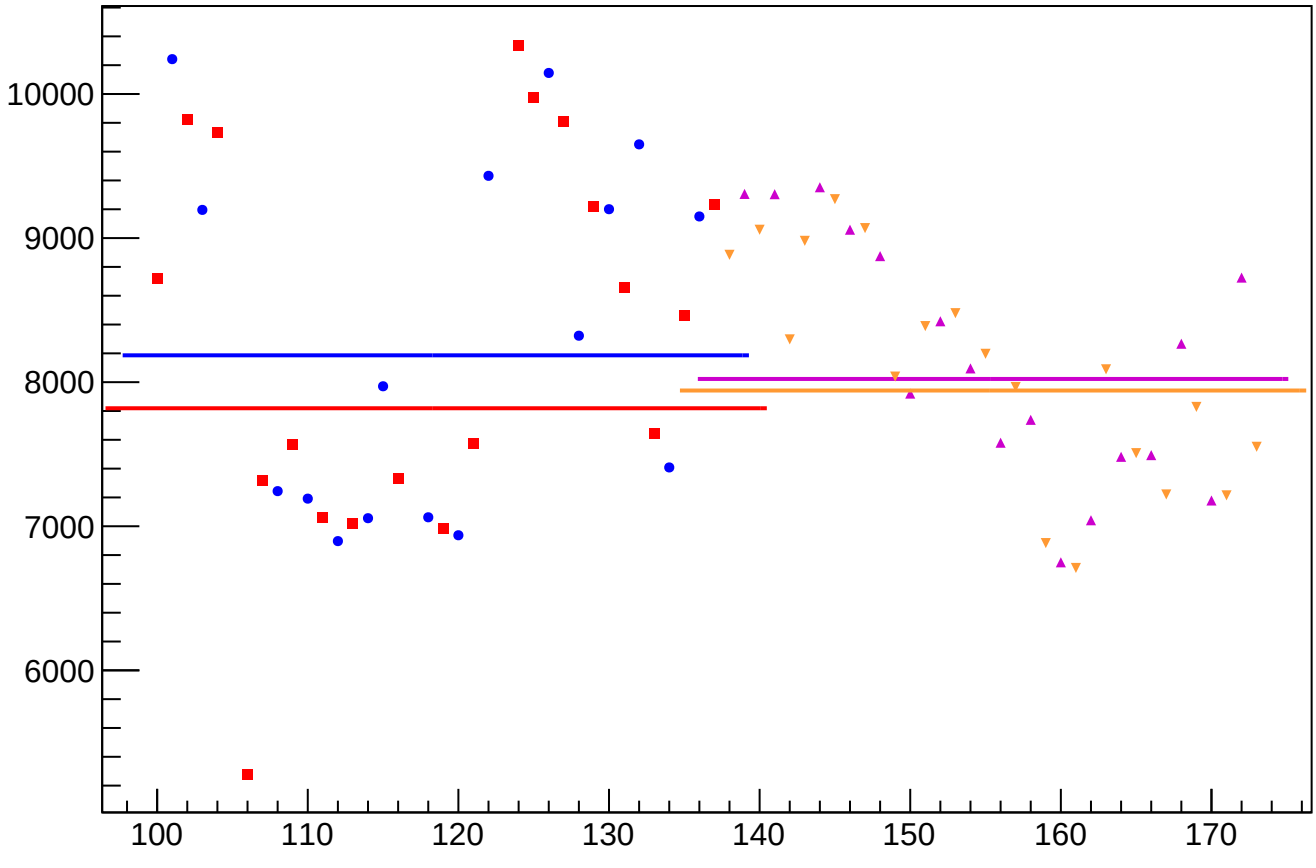
Left: -8.472+/-1.496 χ^2/NDF: 47.0/35

Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: 1.709+/-1.772 χ^2/NDF:142.1/32

Out: -2.281+/-1.684 χ^2/NDF:76.3/37

All: -0.387+/-1.221 χ^2/NDF: 221.1/70



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 7942.093+/-1.463 χ^2/NDF:273687.3/18

Right Out: 7818.965+/-2.050 χ^2/NDF: 422998.1/18

Left In: 8022.339+/-1.531 χ^2/NDF:287345.0/16

Left: 7980.393+/-1.058 χ^2/NDF: 562467.8/35

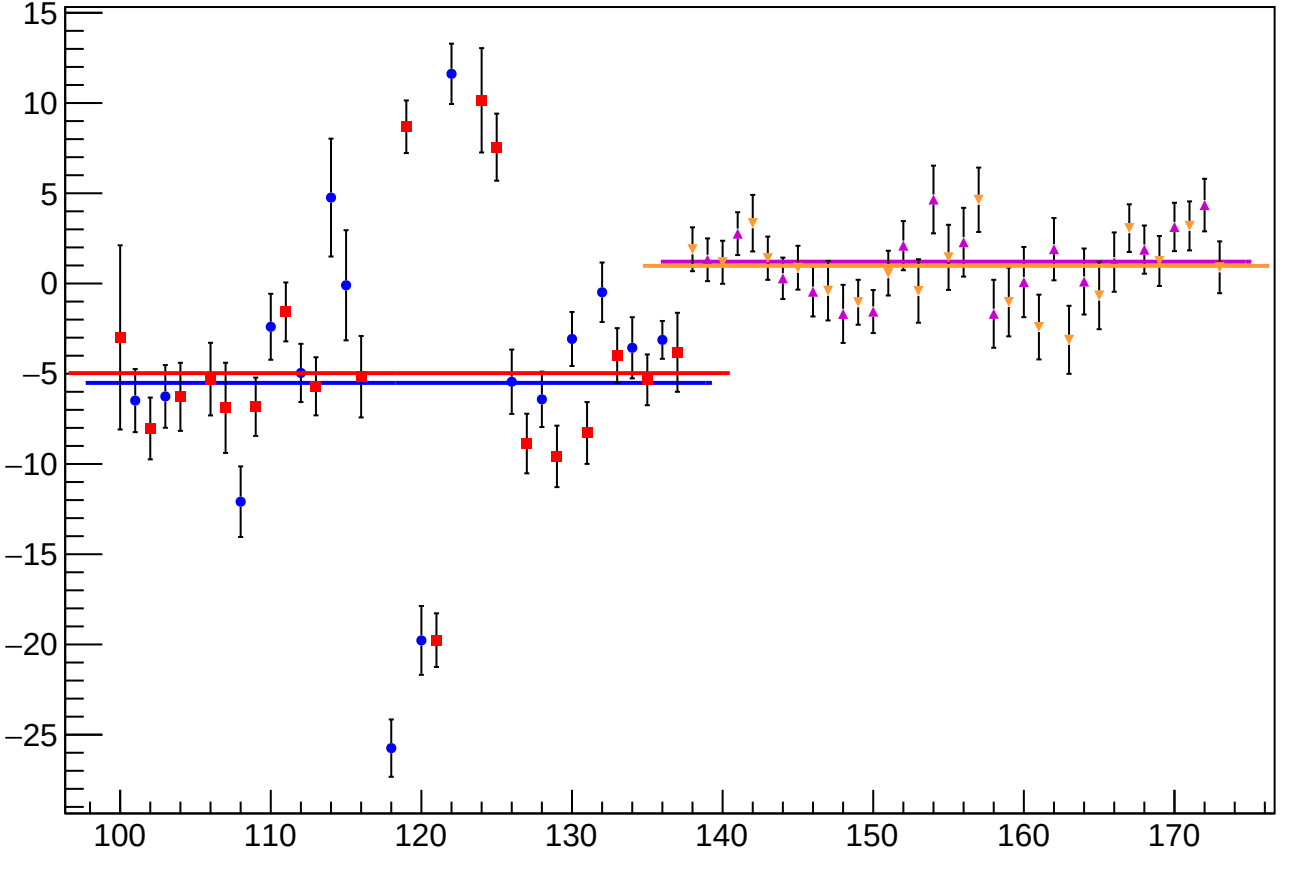
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8076.565+/-1.253 χ^2/NDF:581767.1/32

Out: 7900.535+/-1.191 χ^2/NDF:699075.5/37

All: 7984.095+/-0.863 χ^2/NDF: 1291213.4/70

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.978+/-0.332 χ^2/NDF:26.7/18

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 1.210+/-0.353 χ^2/NDF:26.7/16

Left: 1.087+/-0.242 χ^2/NDF: 53.7/35

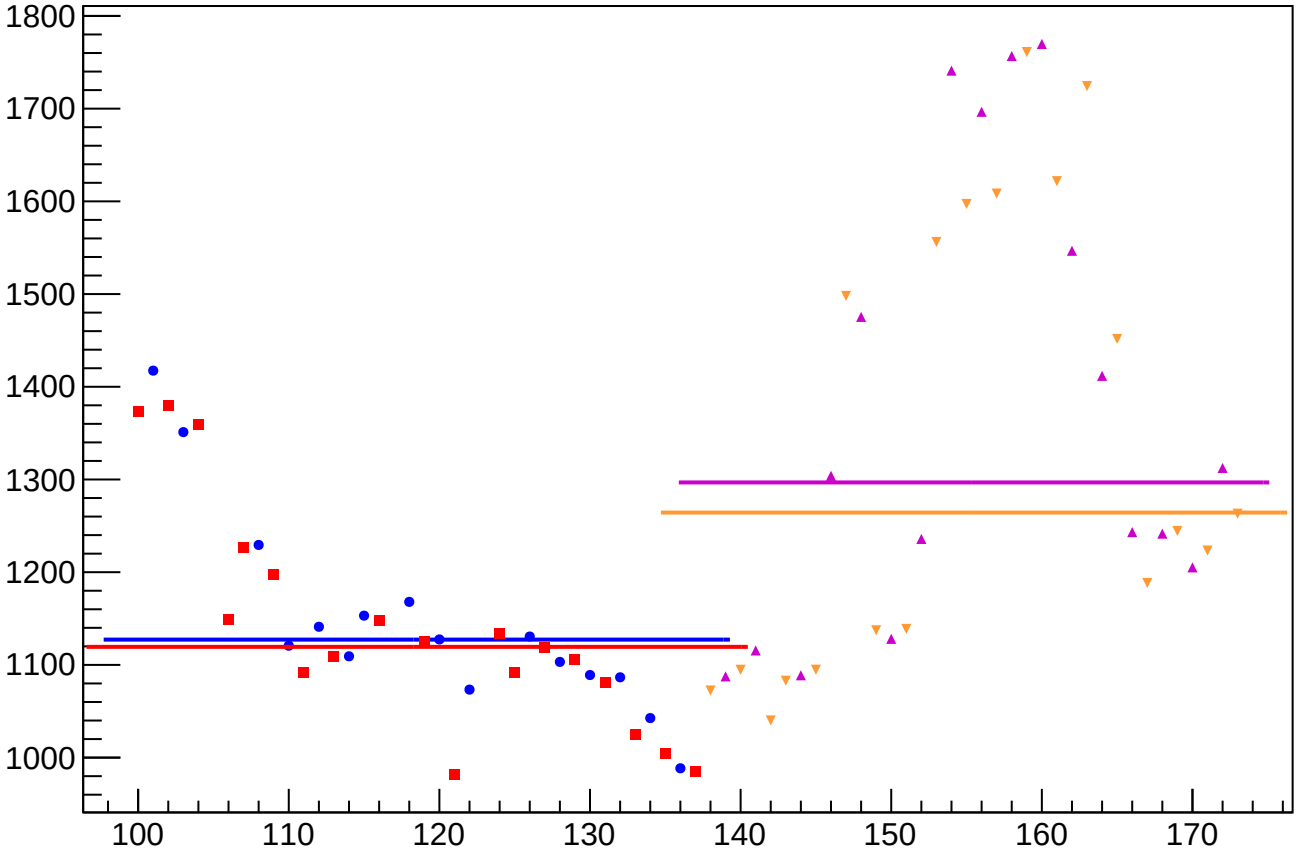
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -1.561+/-0.270 χ^2/NDF:546.1/32

Out: -1.378+/-0.258 χ^2/NDF:440.7/37

All: -1.465+/-0.187 χ^2/NDF: 987.1/70

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1264.322+/-0.235 χ^2/NDF:858492.2/18

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1296.818+/-0.249 χ^2/NDF:746118.9/16

Left: 1279.613+/-0.171 χ^2/NDF: 1613601.2/35

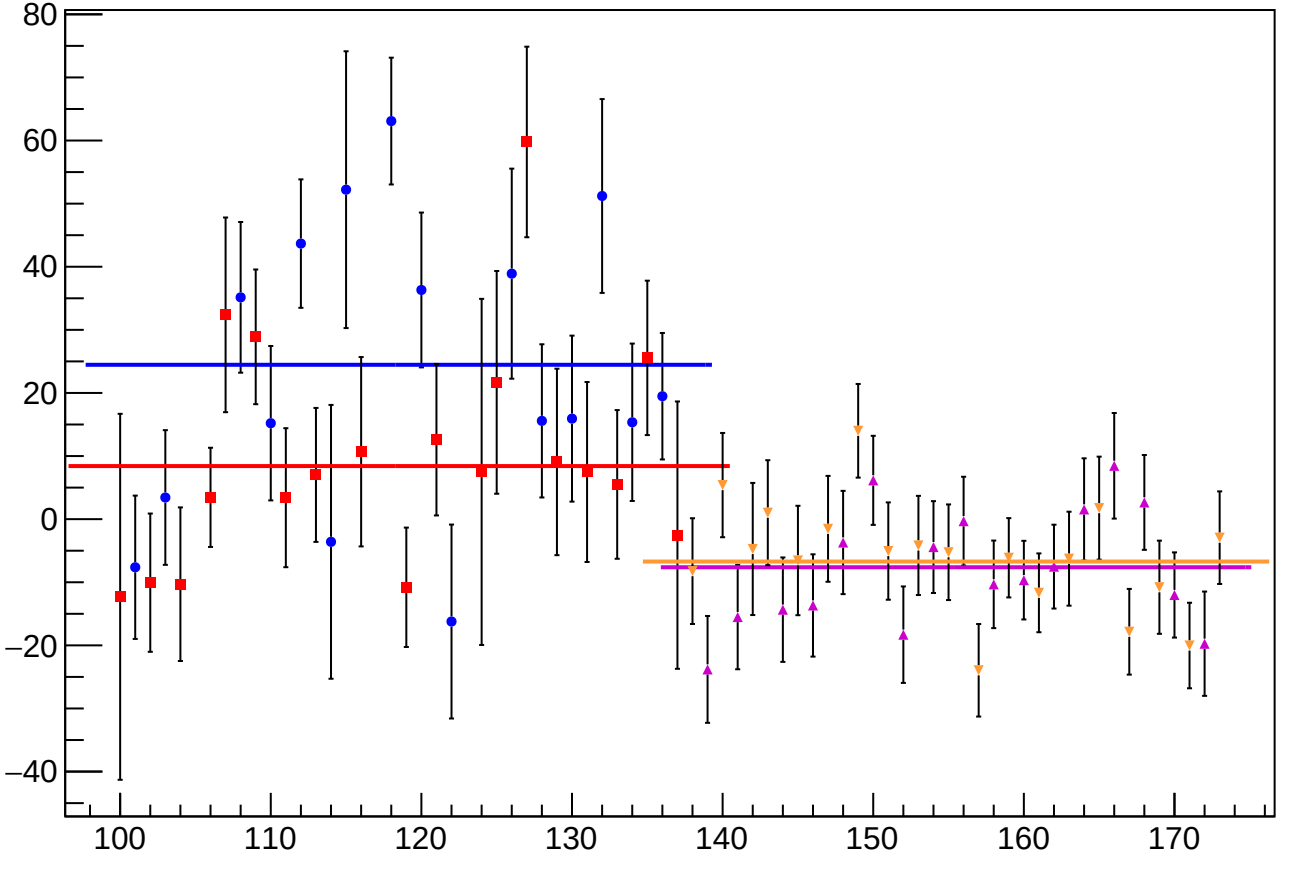
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1226.884+/-0.191 χ^2/NDF:1077368.7/32

Out: 1206.915+/-0.183 χ^2/NDF:1149673.0/37

All: 1216.446+/-0.132 χ^2/NDF: 2232746.0/70

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -6.716+/-1.737 χ^2/NDF:25.8/18

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -7.621+/-1.818 χ^2/NDF:22.7/16

Left: -7.148+/-1.256 χ^2/NDF: 48.7/35

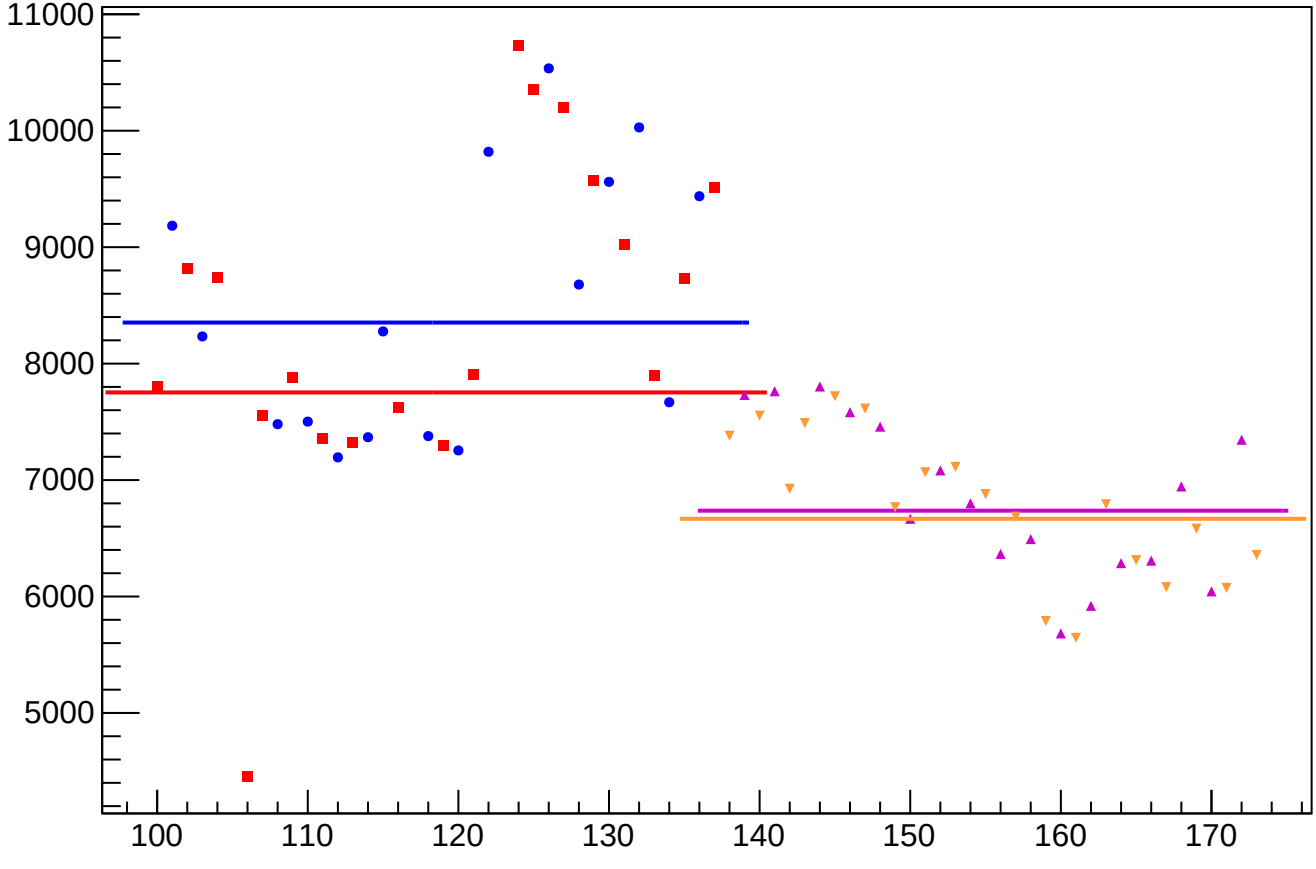
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 0.448+/-1.573 χ^2/NDF:149.4/32

Out: -2.704+/-1.489 χ^2/NDF:77.1/37

All: -1.215+/-1.081 χ^2/NDF: 228.6/70

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6667.643+/-1.228 χ^2/NDF:258016.1/18

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 6737.030+/-1.285 χ^2/NDF:273717.8/16

Left: 6700.750+/-0.888 χ^2/NDF: 533257.3/35

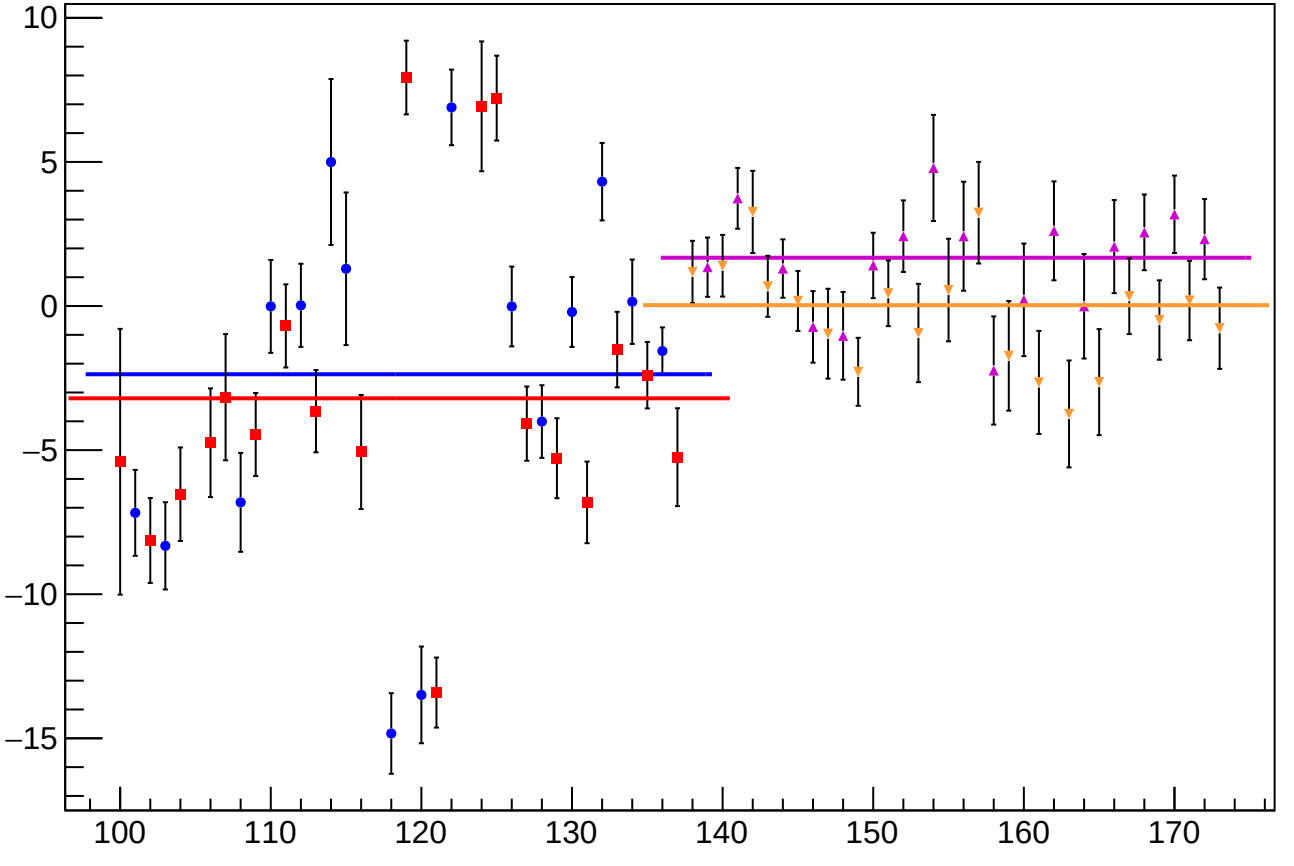
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7143.394+/-1.112 χ^2/NDF:891471.1/32

Out: 6955.355+/-1.053 χ^2/NDF:1053113.5/37

All: 7044.212+/-0.764 χ^2/NDF: 1959663.6/70

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.029+/-0.313 χ^2/NDF:26.3/18

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 1.675+/-0.331 χ^2/NDF:22.4/16

Left: 0.805+/-0.227 χ^2/NDF: 61.8/35

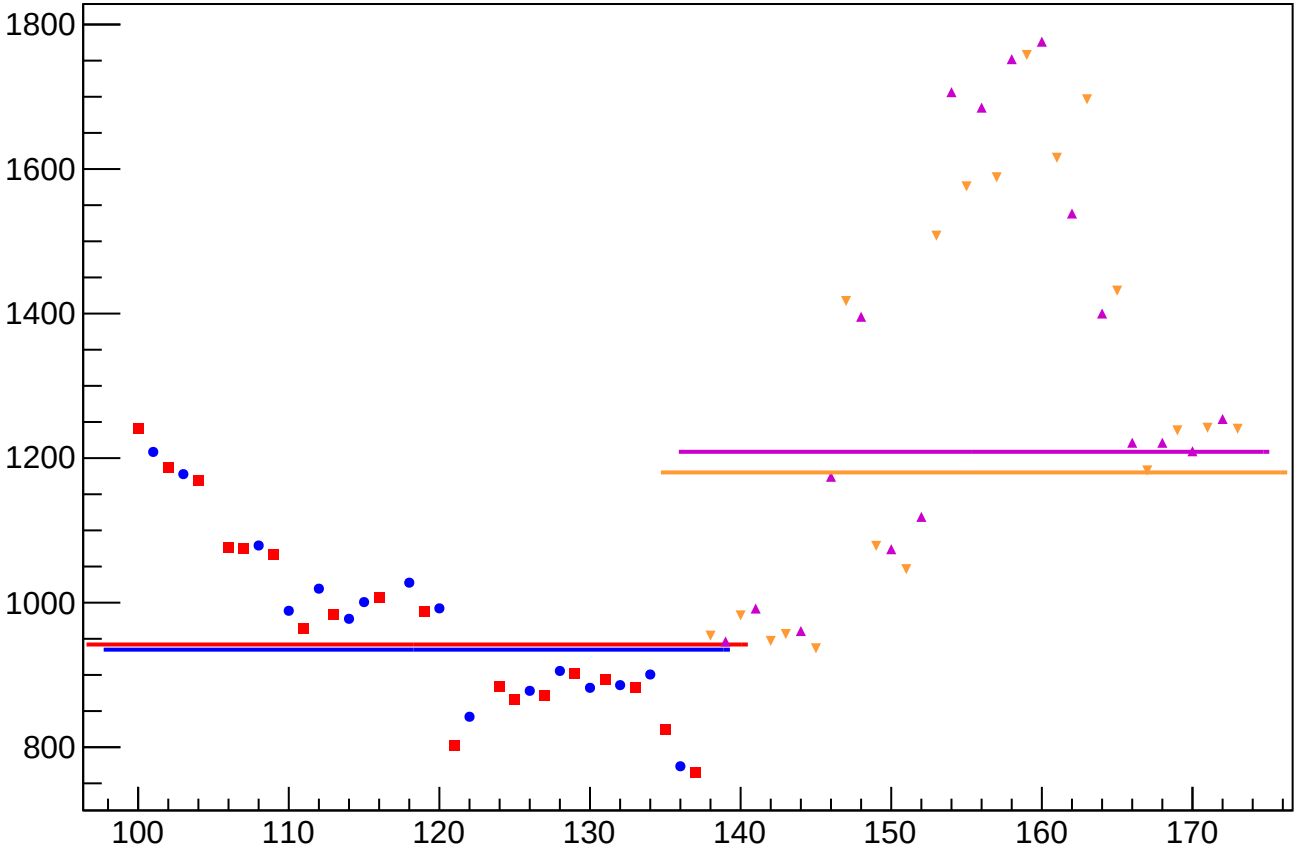
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.232+/-0.241 χ^2/NDF:348.3/32

Out: -1.422+/-0.232 χ^2/NDF:324.8/37

All: -0.848+/-0.167 χ^2/NDF: 685.8/70

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1180.206+/-0.221 χ^2/NDF:1283346.6/18

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 1208.743+/-0.234 χ^2/NDF:1113076.5/16

Left: 1193.657+/-0.161 χ^2/NDF: 2404276.0/35

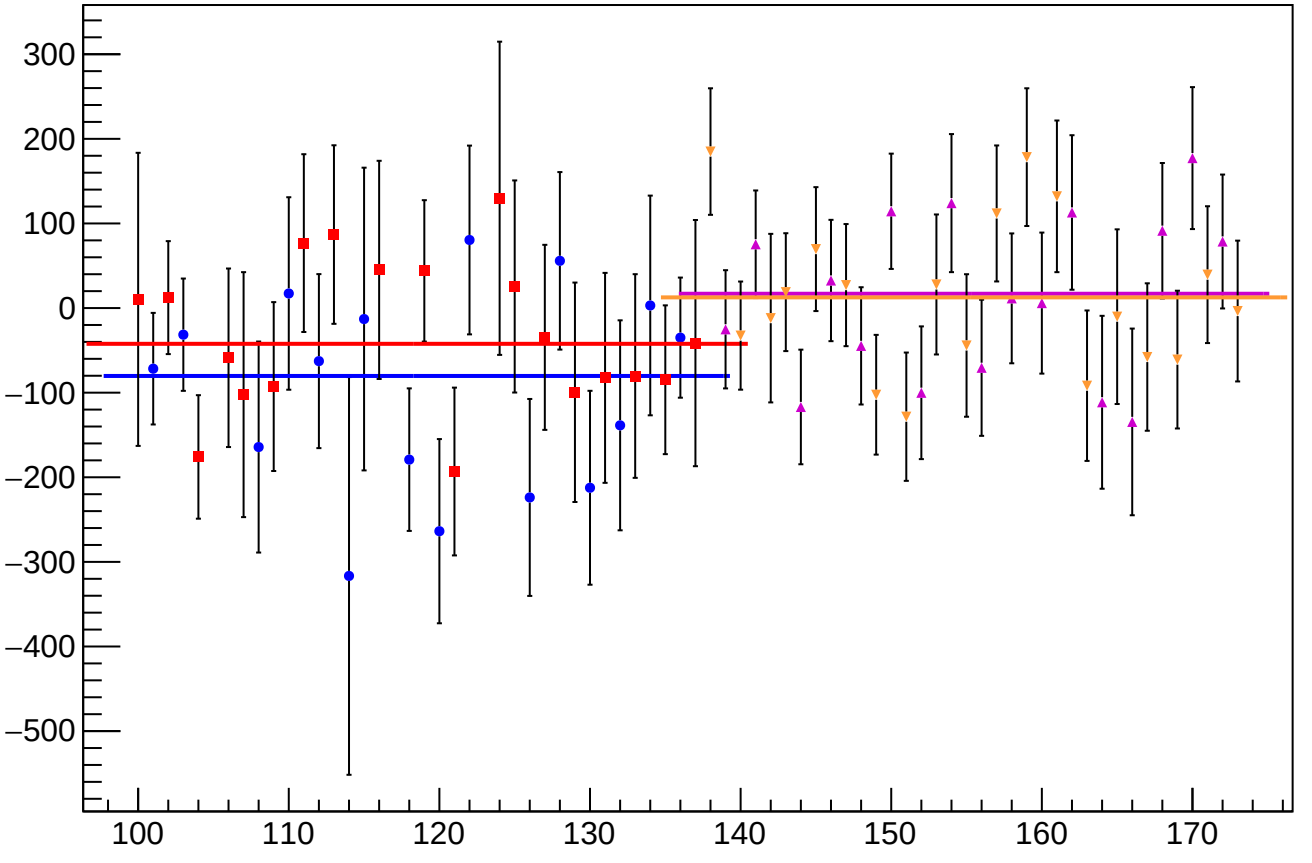
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 1079.618+/-0.170 χ^2/NDF:2012285.8/32

Out: 1073.299+/-0.164 χ^2/NDF:2036609.8/37

All: 1076.344+/-0.118 χ^2/NDF: 4049609.9/70

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 12.616+/-18.256 χ^2/NDF:23.6/18

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 16.917+/-18.813 χ^2/NDF:22.8/16

Left: 14.702+/-13.102 χ^2/NDF: 46.5/35

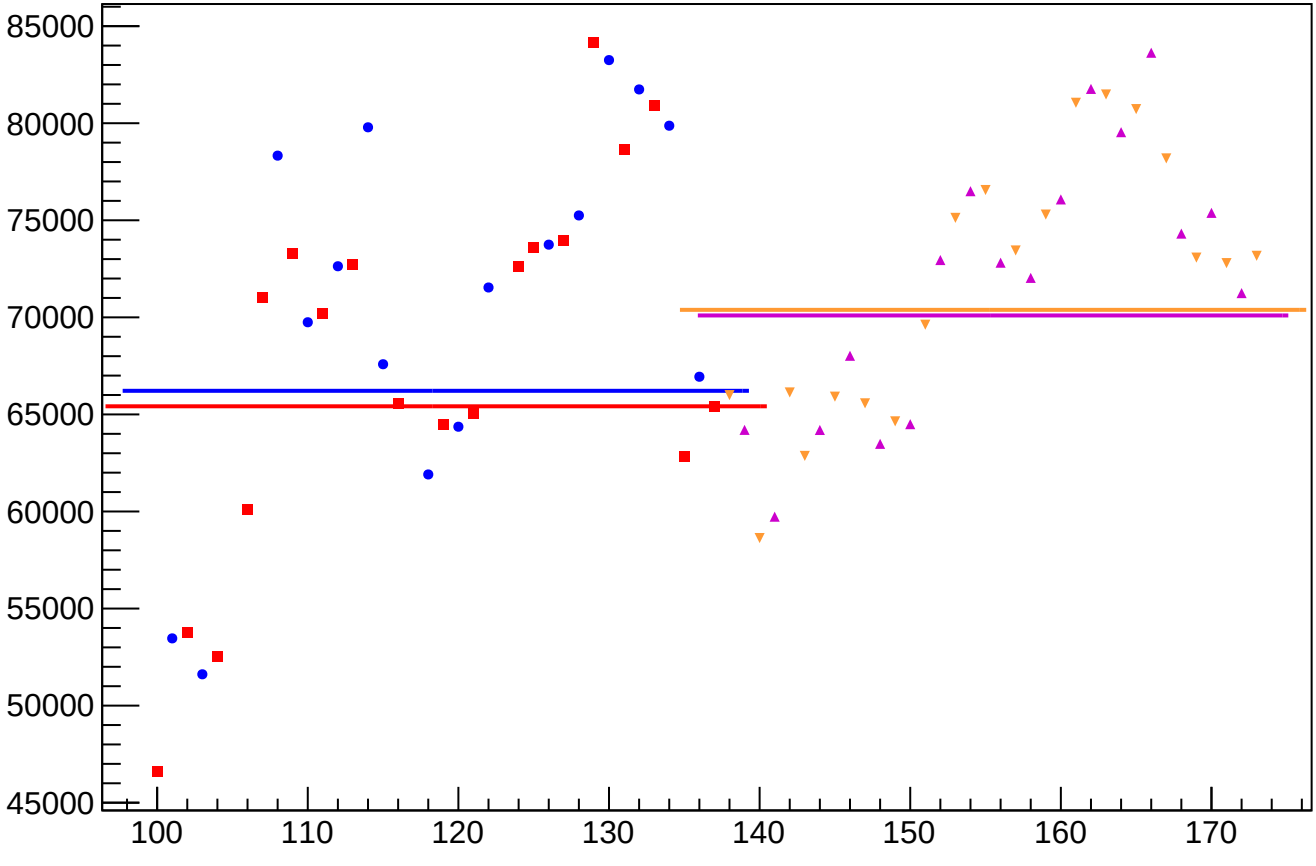
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -18.379+/-15.013 χ^2/NDF:47.3/32

Out: -7.347+/-14.562 χ^2/NDF:39.9/37

All: -12.695+/-10.453 χ^2/NDF: 87.5/70

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 70386.722+/-12.909 χ^2/NDF:260534.3/18

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 70097.789+/-13.303 χ^2/NDF:238512.5/16

Left: 70246.597+/-9.264 χ^2/NDF: 499289.8/35

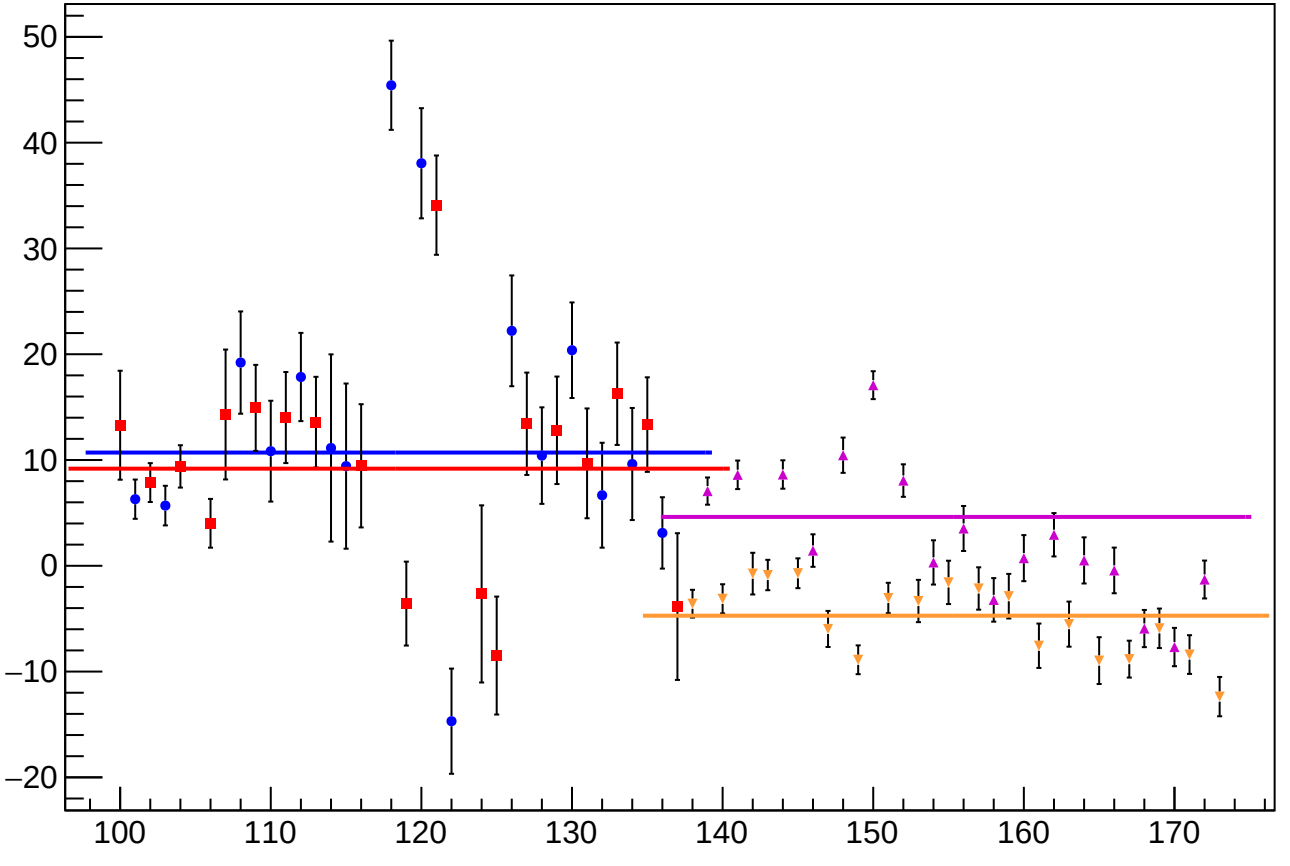
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 68687.791+/-10.615 χ^2/NDF:607816.5/32

Out: 68579.495+/-10.297 χ^2/NDF:618968.3/37

All: 68631.994+/-7.391 χ^2/NDF: 1226838.4/7

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -4.718+/-0.391 χ^2/NDF:70.5/18

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 4.620+/-0.409 χ^2/NDF:256.8/16

Left: -0.254+/-0.283 χ^2/NDF: 599.8/35

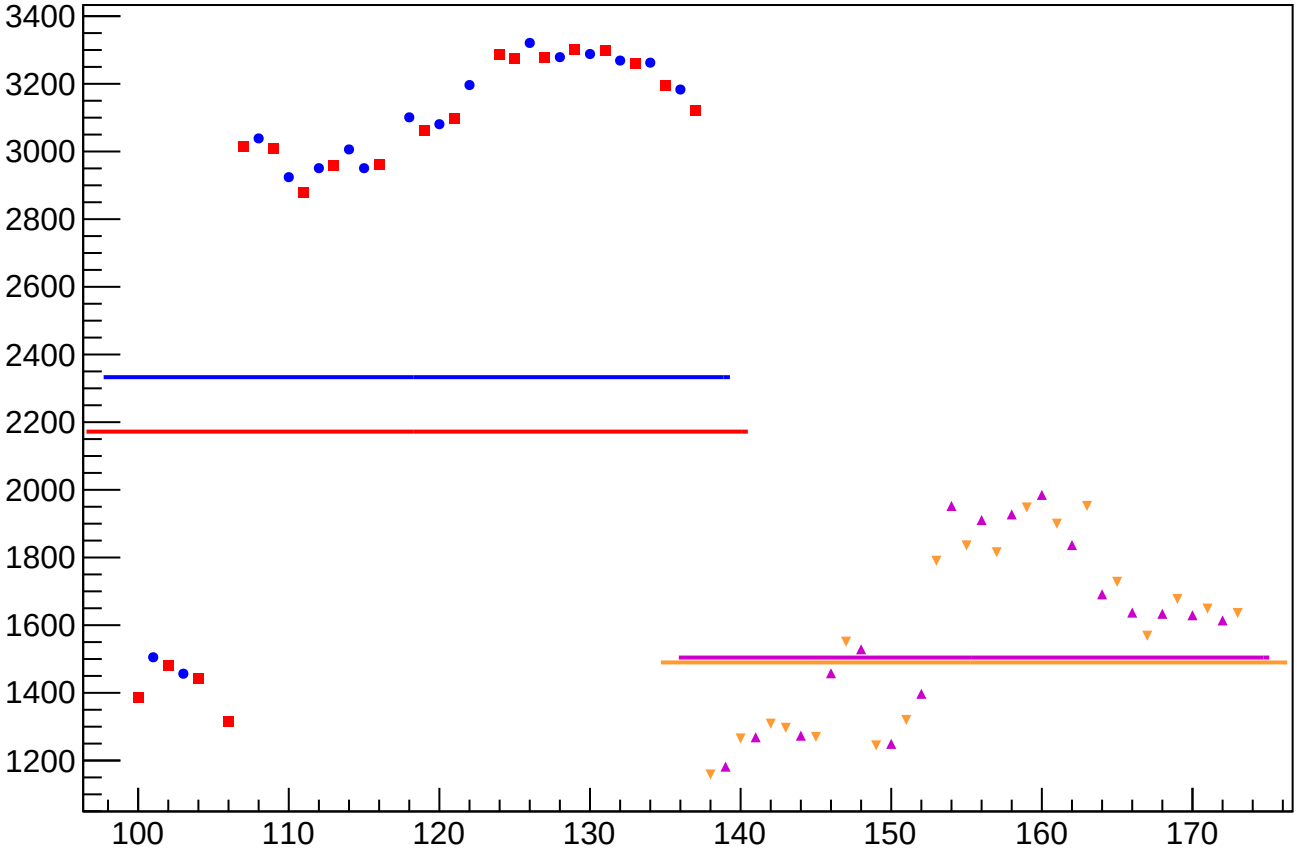
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 5.621+/-0.374 χ^2/NDF:448.9/32

Out: -2.290+/-0.355 χ^2/NDF:360.7/37

All: 1.468+/-0.257 χ^2/NDF: 1045.1/70

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1489.849+/-0.277 χ^2/NDF:872716.5/18

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1504.256+/-0.289 χ^2/NDF:781712.4/16

Left: 1496.736+/-0.200 χ^2/NDF: 1655726.3/35

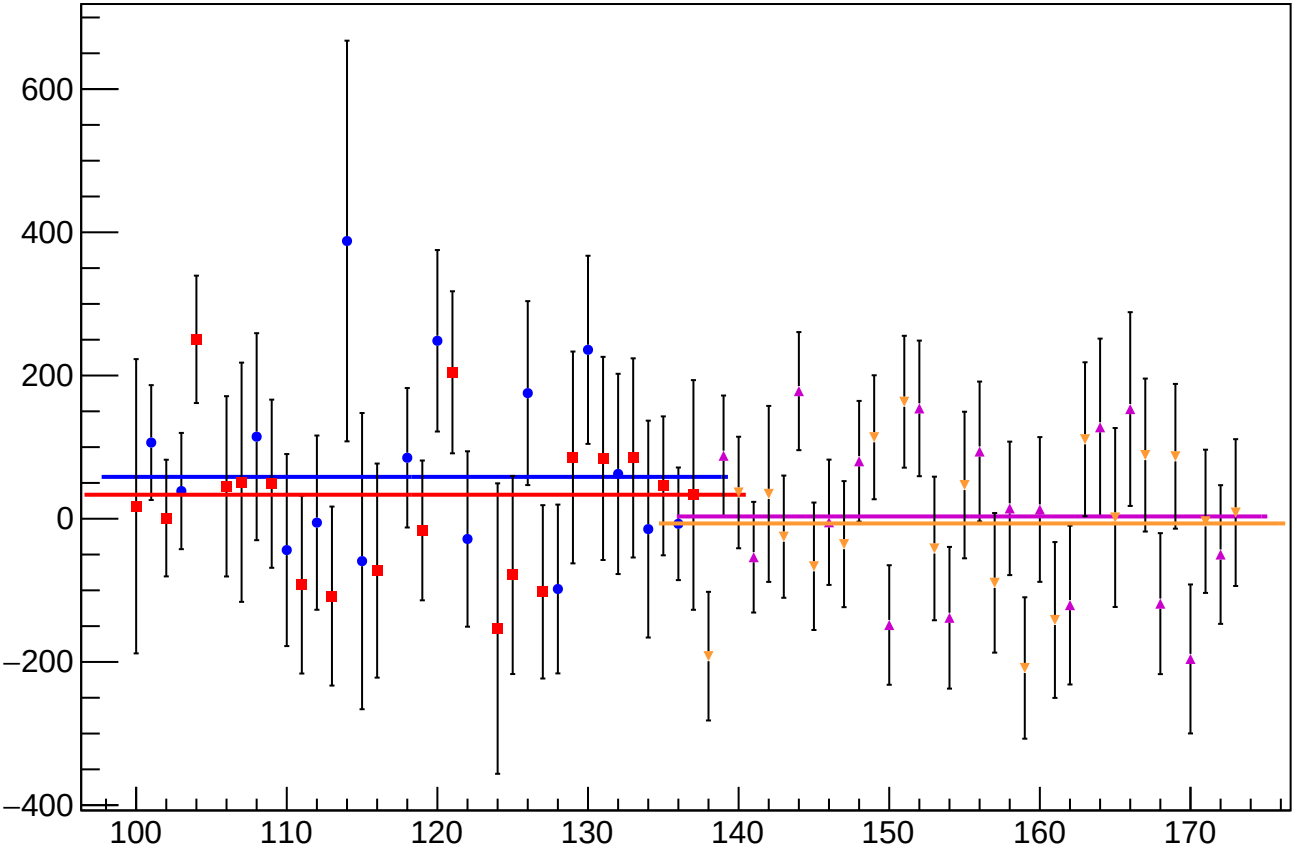
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1640.710+/-0.264 χ^2/NDF:3787273.3/32

Out: 1609.010+/-0.251 χ^2/NDF:3919818.2/37

All: 1624.067+/-0.182 χ^2/NDF: 7714653.9/70

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -6.587+/-22.263 χ^2/NDF:20.3/18

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 3.190+/-22.906 χ^2/NDF:24.7/16

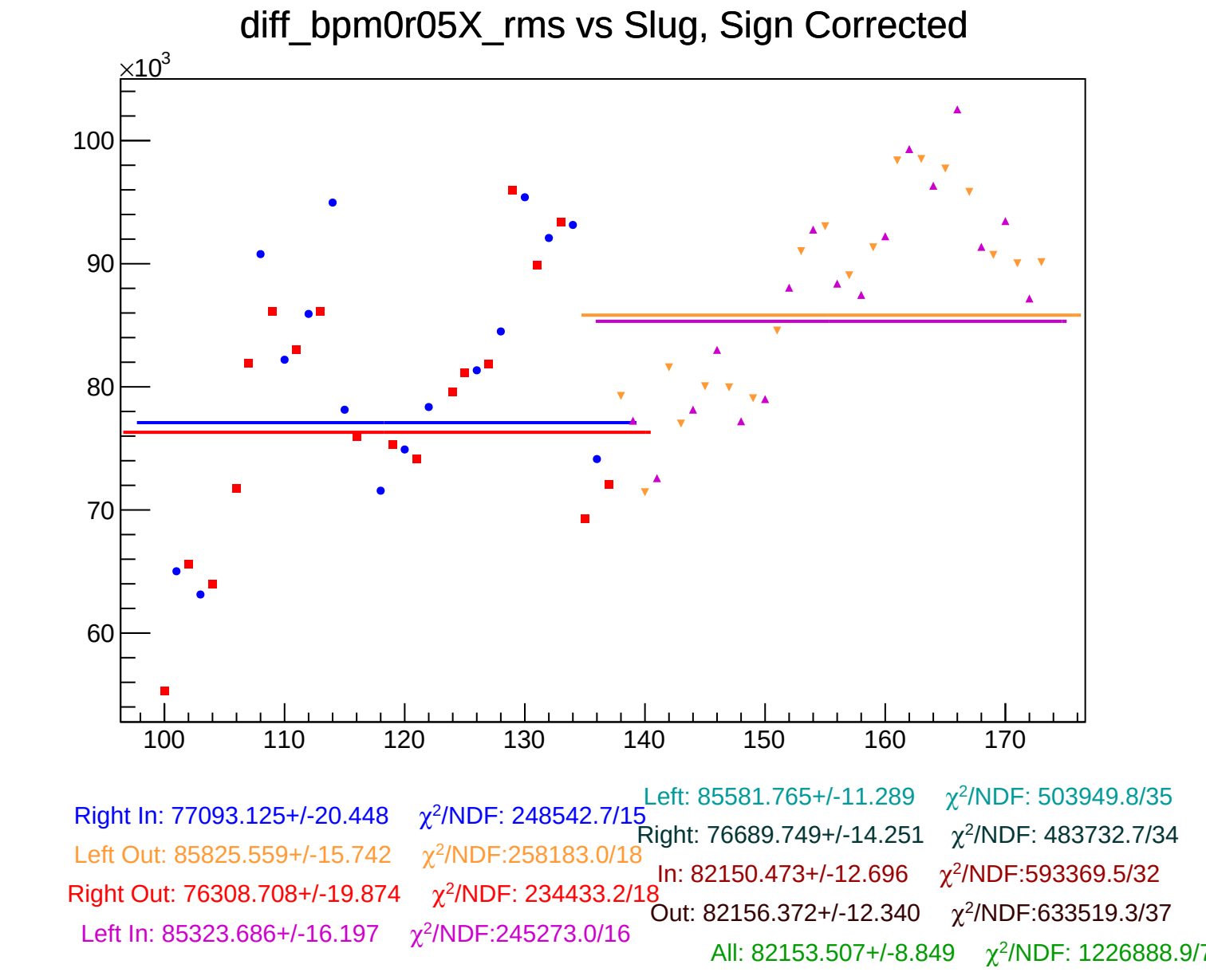
Left: -1.838+/-15.965 χ^2/NDF: 45.1/35

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

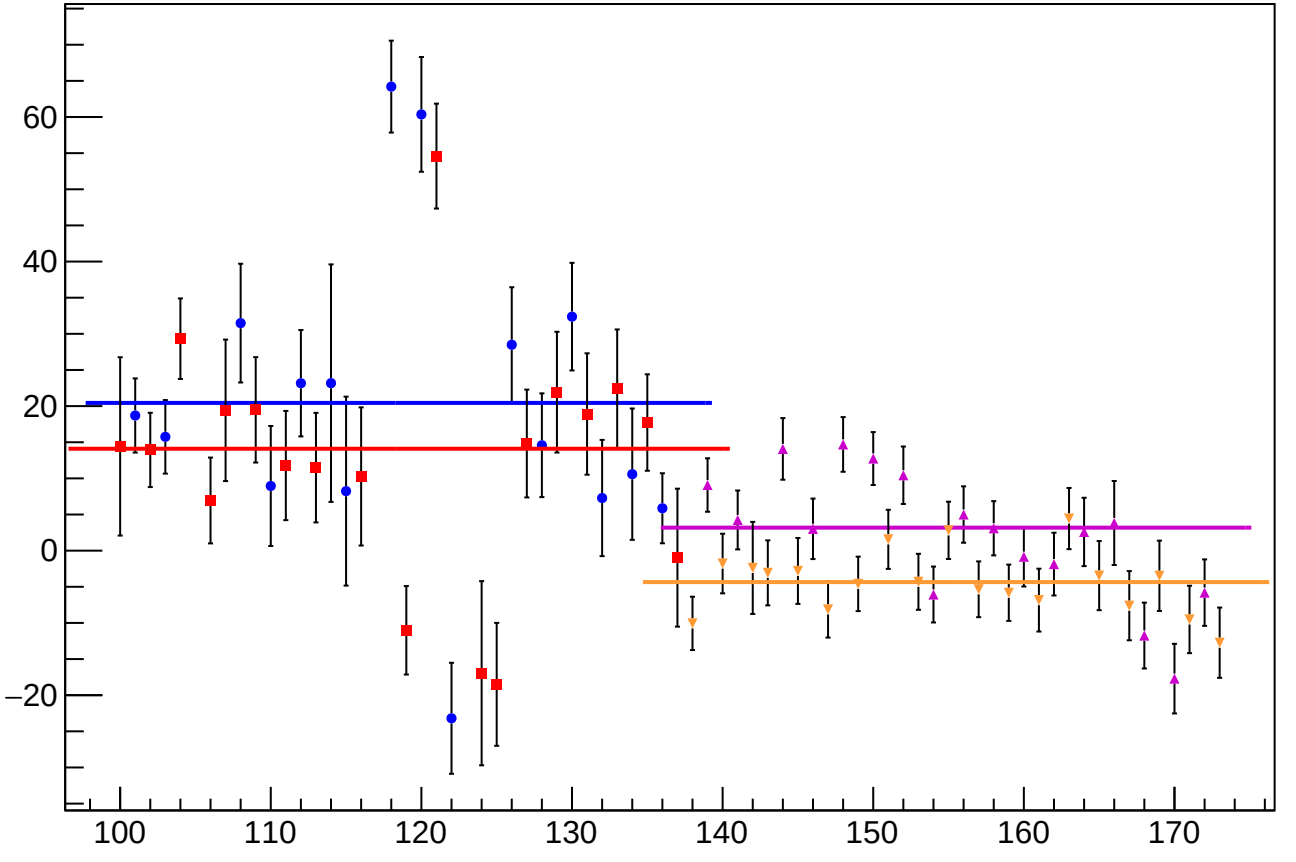
In: 24.494+/-17.955 χ^2/NDF:38.2/32

Out: 8.876+/-17.451 χ^2/NDF:36.3/37

All: 16.463+/-12.514 χ^2/NDF: 74.9/70


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
100
90
80
70
60
100
110
120
130
140
150
160
170
Right In: 77093.125+/-20.448 χ²/NDF: 248542.7/15
Left Out: 85825.559+/-15.742 χ²/NDF:258183.0/18
Right Out: 76308.708+/-19.874 χ²/NDF: 234433.2/18
Left In: 85323.686+/-16.197 χ²/NDF:245273.0/16
Left: 85581.765+/-11.289 χ²/NDF: 503949.8/35
Right: 76689.749+/-14.251 χ²/NDF: 483732.7/34
In: 82150.473+/-12.696 χ²/NDF:593369.5/32
Out: 82156.372+/-12.340 χ²/NDF:633519.3/37
All: 82153.507+/-8.849 χ²/NDF: 1226888.9/7

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -4.350+/-0.981 χ^2/NDF:18.9/18

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 3.182+/-1.009 χ^2/NDF:70.2/16

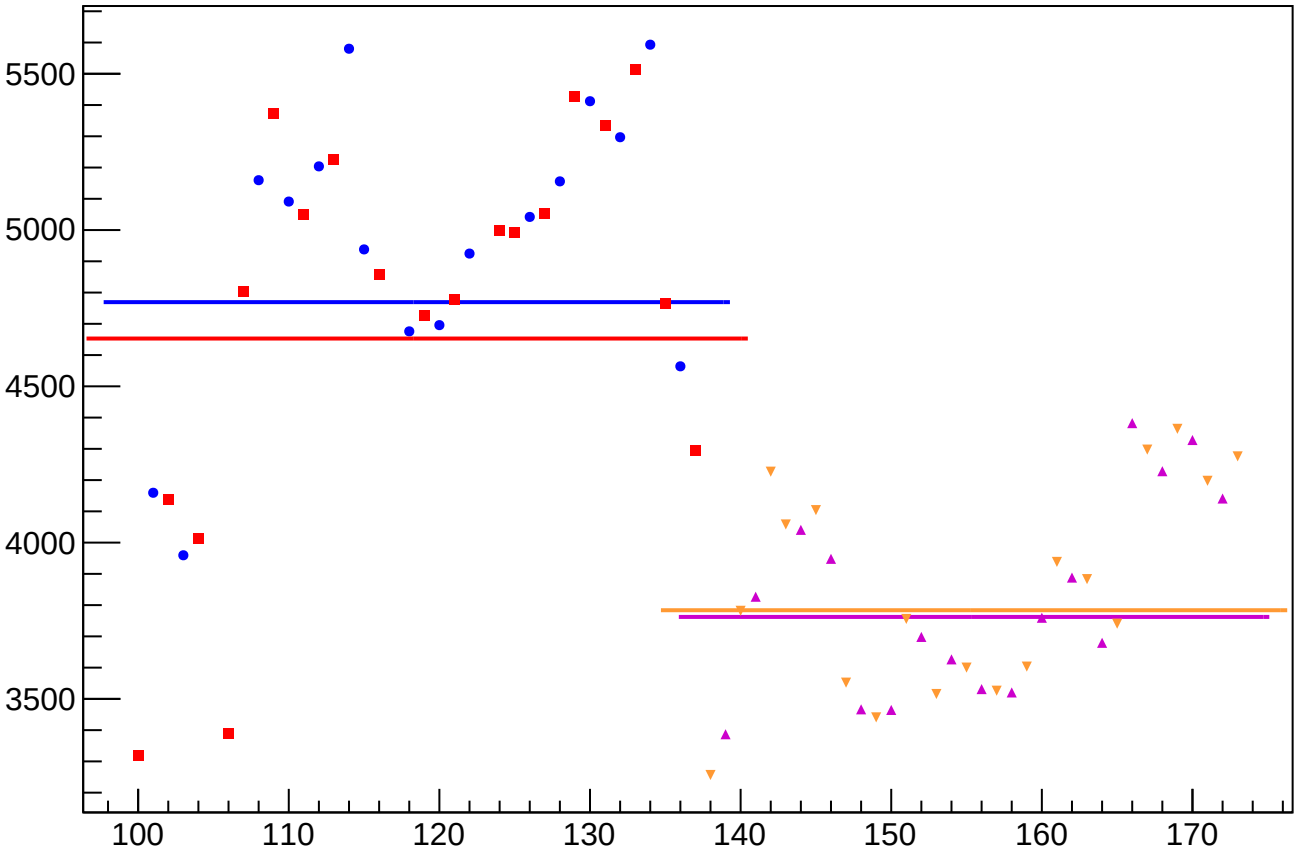
Left: -0.692+/-0.703 χ^2/NDF: 117.8/35

Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 7.374+/-0.878 χ^2/NDF:269.1/32

Out: 0.202+/-0.851 χ^2/NDF:190.1/37

All: 3.675+/-0.611 χ^2/NDF: 493.5/70



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3783.657+/-0.693 χ^2/NDF:210147.0/18

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3762.231+/-0.714 χ^2/NDF:164500.9/16

Left: 3773.253+/-0.497 χ^2/NDF: 375111.6/35

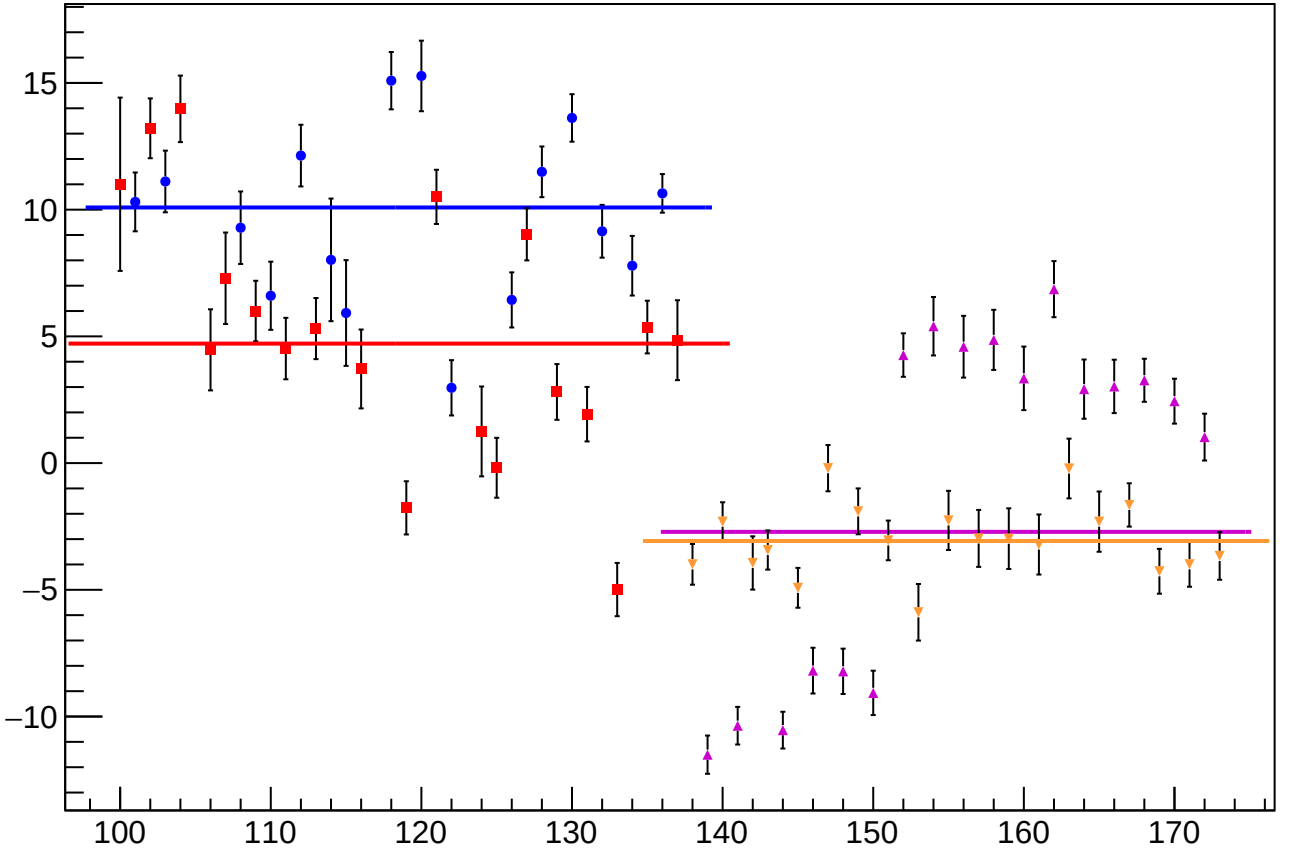
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4006.817+/-0.621 χ^2/NDF:799903.8/32

Out: 3998.067+/-0.602 χ^2/NDF:862986.7/37

All: 4002.304+/-0.432 χ^2/NDF: 1662992.9/70

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.074+/-0.215 χ^2/NDF:39.5/18

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -2.713+/-0.225 χ^2/NDF:928.9/16

Left: -2.903+/-0.155 χ^2/NDF: 969.8/35

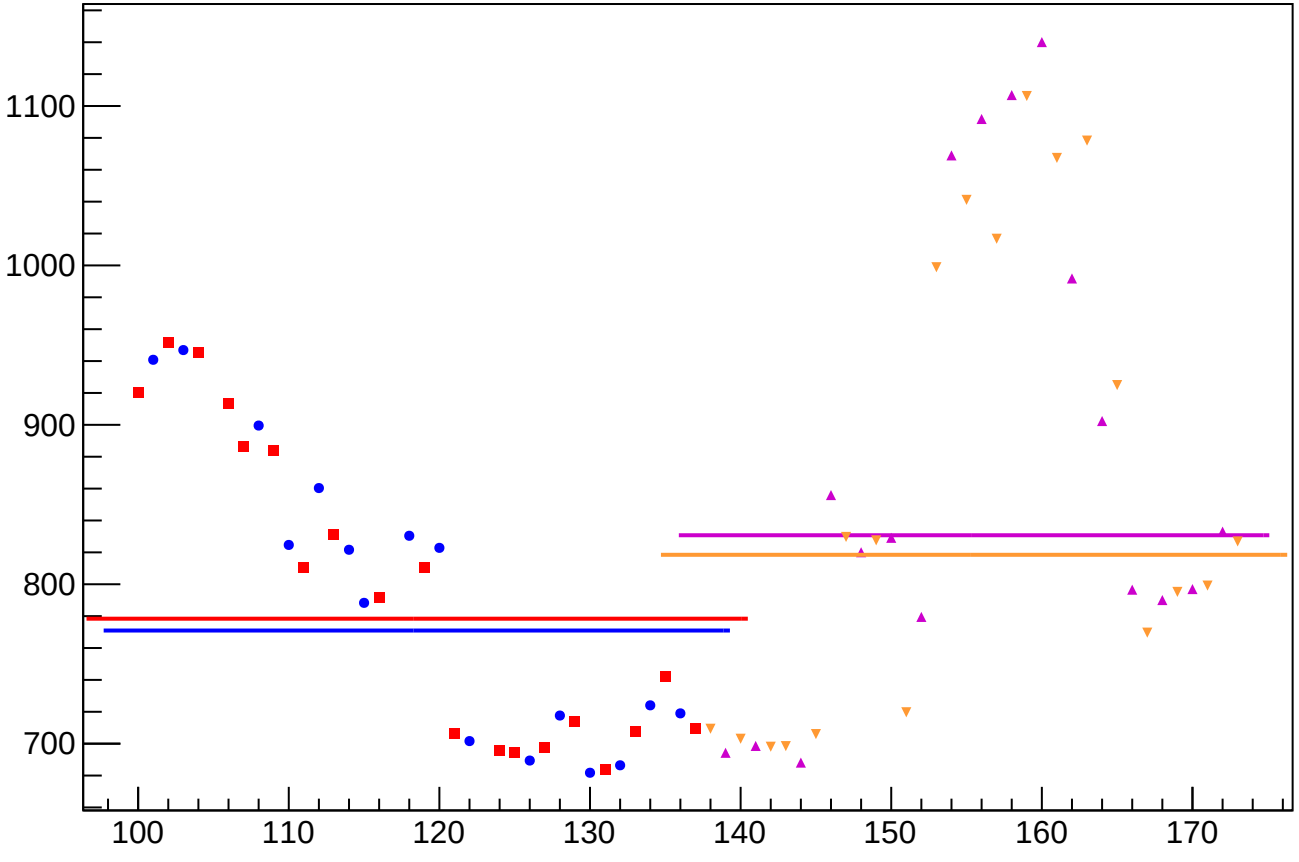
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 2.143+/-0.178 χ^2/NDF:2275.4/32

Out: -0.266+/-0.172 χ^2/NDF:824.9/37

All: 0.897+/-0.123 χ^2/NDF: 3195.5/70

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 818.473+/-0.152 χ^2/NDF:743356.8/18

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 830.743+/-0.159 χ^2/NDF:681914.7/16

Left: 824.304+/-0.110 χ^2/NDF: 1428379.1/35

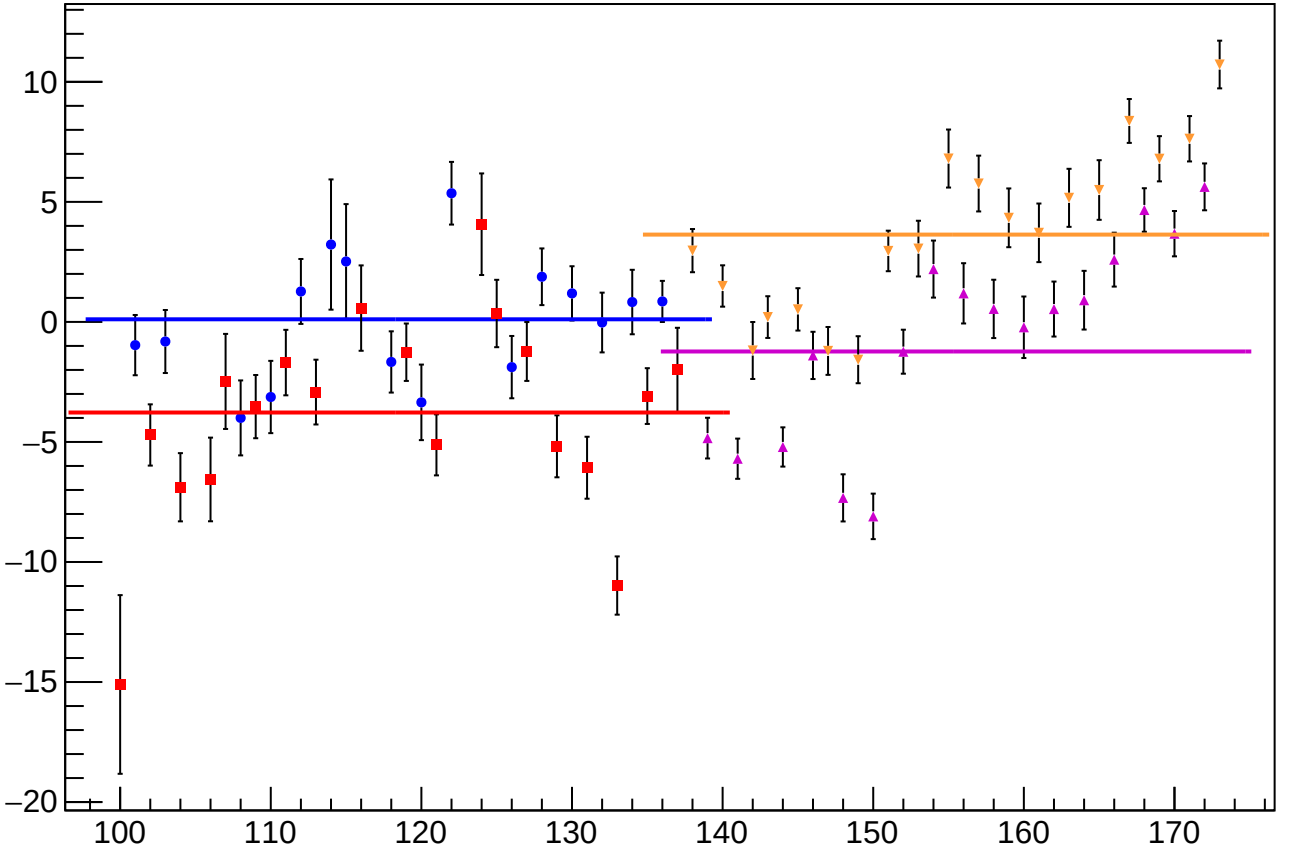
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 808.065+/-0.126 χ^2/NDF:928143.8/32

Out: 804.023+/-0.121 χ^2/NDF:965058.6/37

All: 805.974+/-0.087 χ^2/NDF: 1893737.9/70

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 3.637+/-0.232 χ^2/NDF:225.4/18

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -1.232+/-0.243 χ^2/NDF:311.9/16

Left: 1.320+/-0.168 χ^2/NDF: 747.6/35

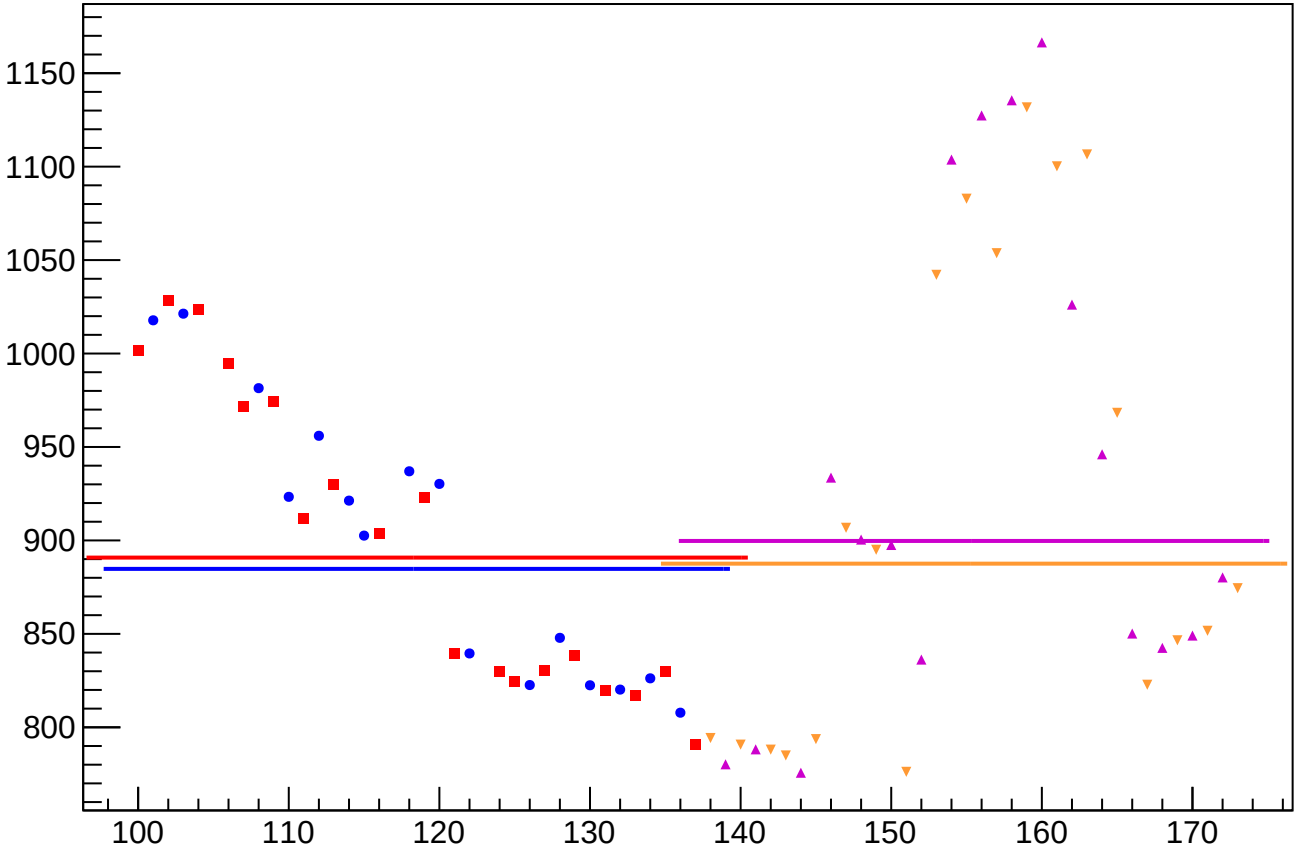
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -0.760+/-0.196 χ^2/NDF:367.9/32

Out: 1.153+/-0.189 χ^2/NDF:668.3/37

All: 0.230+/-0.136 χ^2/NDF: 1085.8/70

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 887.570+/-0.164 χ^2/NDF:507003.8/18

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 899.717+/-0.172 χ^2/NDF:465707.0/16

Left: 893.350+/-0.119 χ^2/NDF: 975329.8/35

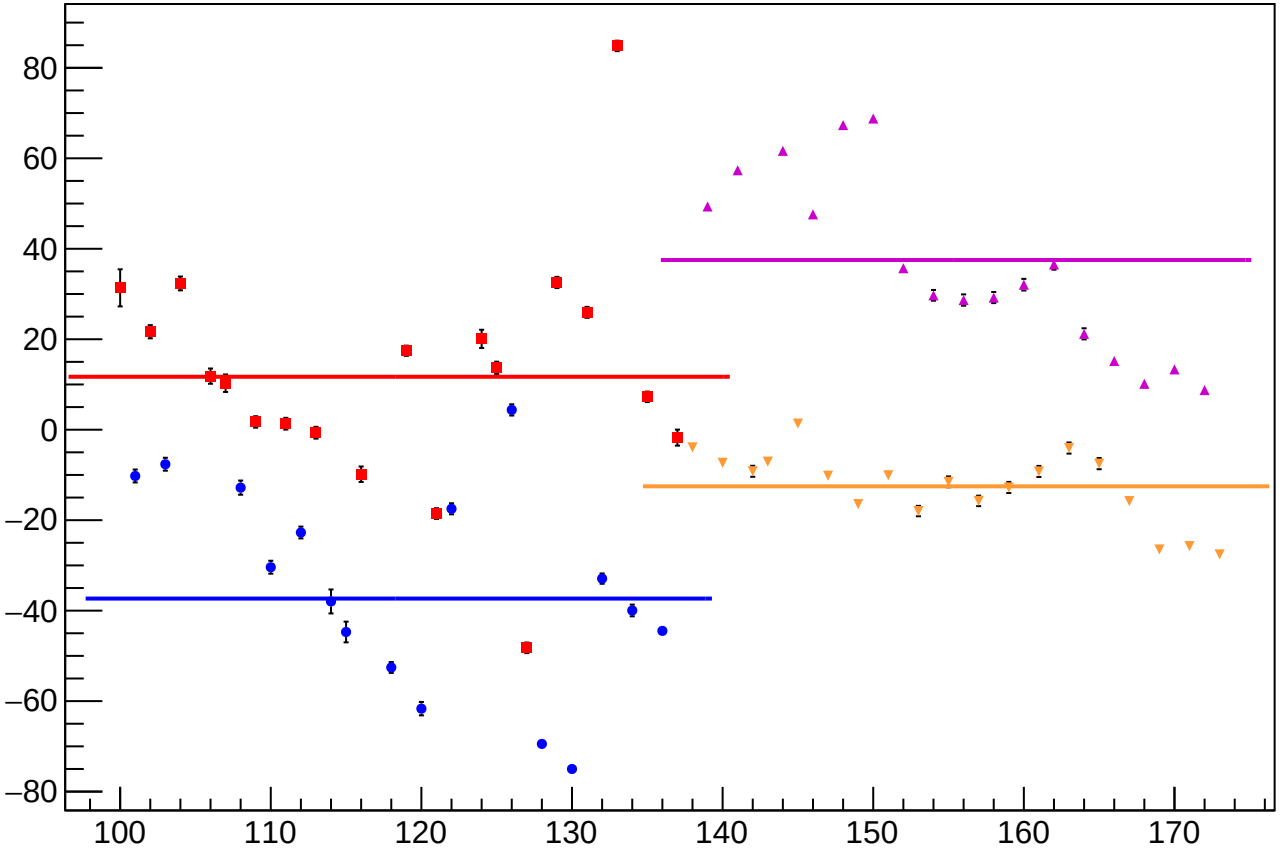
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 894.460+/-0.138 χ^2/NDF:572861.4/32

Out: 888.658+/-0.133 χ^2/NDF:614899.2/37

All: 891.455+/-0.096 χ^2/NDF: 1188671.4/70

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -12.514+/-0.234 χ^2/NDF:1202.9/18

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 37.514+/-0.246 χ^2/NDF:6580.6/16

Left: 11.186+/-0.170 χ^2/NDF: 29482.1/35

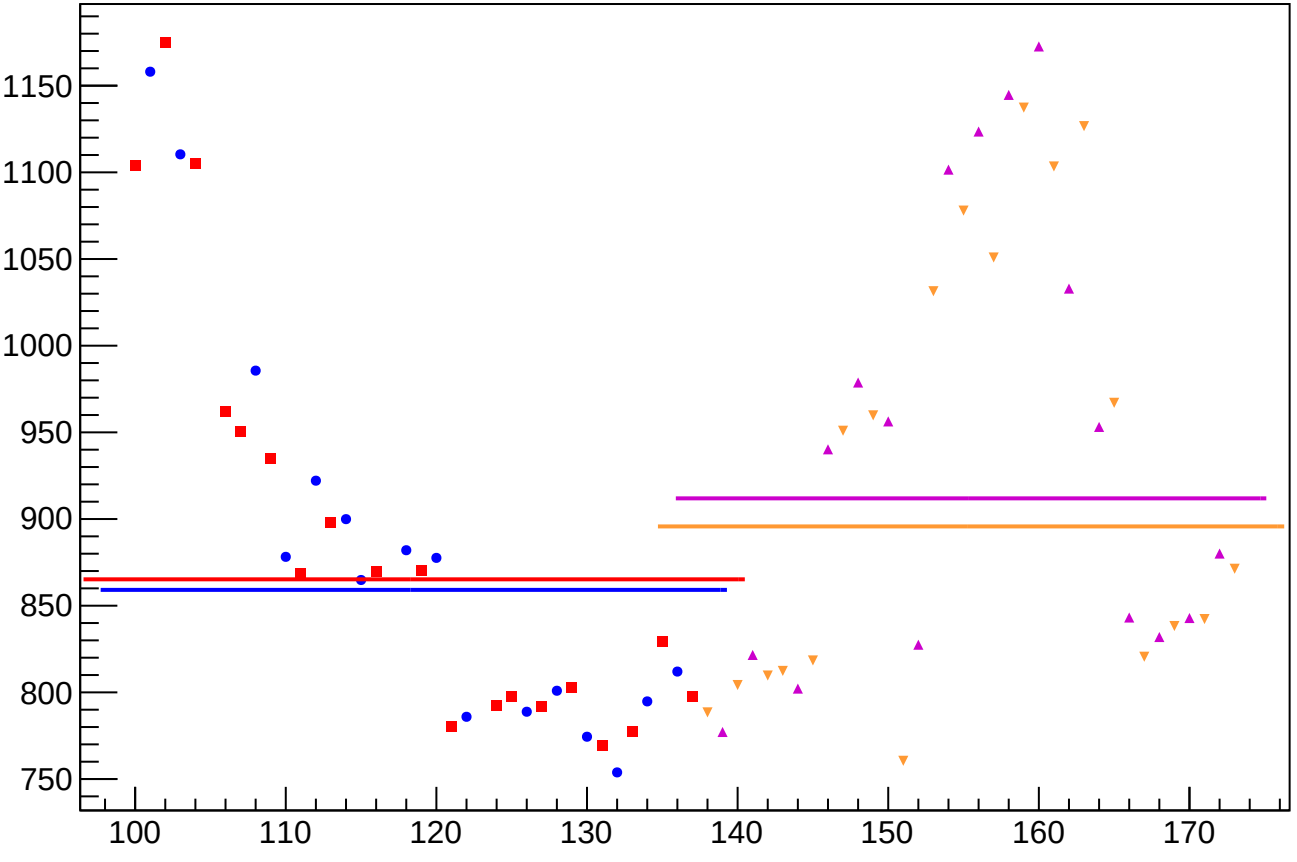
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 9.848+/-0.196 χ^2/NDF:45876.7/32

Out: -4.015+/-0.188 χ^2/NDF:13433.9/37

All: 2.654+/-0.136 χ^2/NDF: 61917.0/70

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 895.730+/-0.165 χ^2/NDF:508625.1/18

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 911.922+/-0.174 χ^2/NDF:459681.9/16

Left: 903.400+/-0.120 χ^2/NDF: 972852.8/35

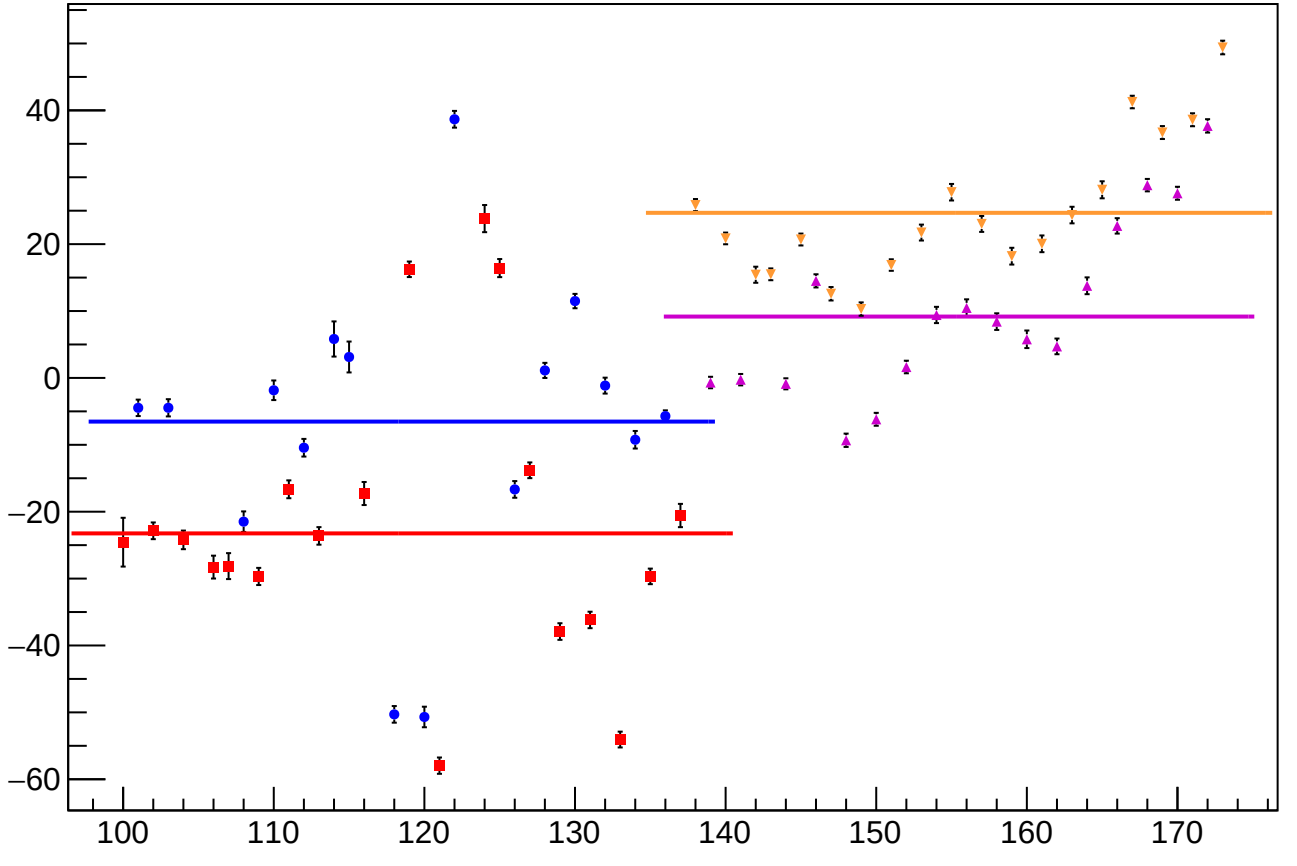
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 892.406+/-0.138 χ^2/NDF:722339.6/32

Out: 885.021+/-0.133 χ^2/NDF:744255.9/37

All: 888.573+/-0.096 χ^2/NDF: 1468074.6/70

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 24.681+/-0.236 χ^2/NDF:1960.9/18

Right Out: -23.244+/-0.317 χ^2/NDF: 4470.0/18

Left In: 9.173+/-0.248 χ^2/NDF:2884.1/16

Left: 17.304+/-0.171 χ^2/NDF: 6895.7/35

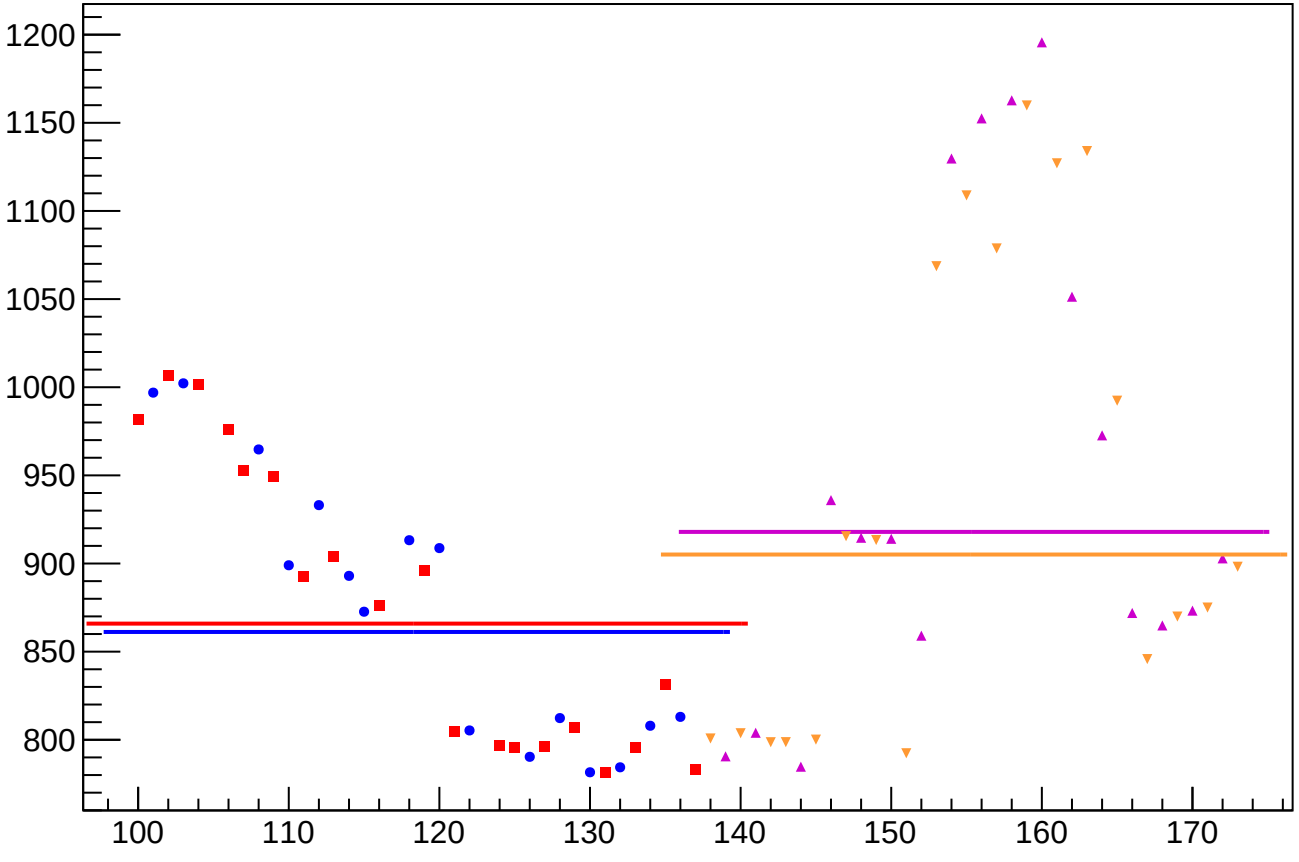
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: 3.309+/-0.196 χ^2/NDF:8327.5/32

Out: 7.573+/-0.189 χ^2/NDF:21126.0/37

All: 5.517+/-0.136 χ^2/NDF: 29697.8/70

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 905.100+/-0.167 χ^2/NDF:530897.4/18

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 917.934+/-0.175 χ^2/NDF:478527.0/16

Left: 911.205+/-0.121 χ^2/NDF: 1012232.8/35

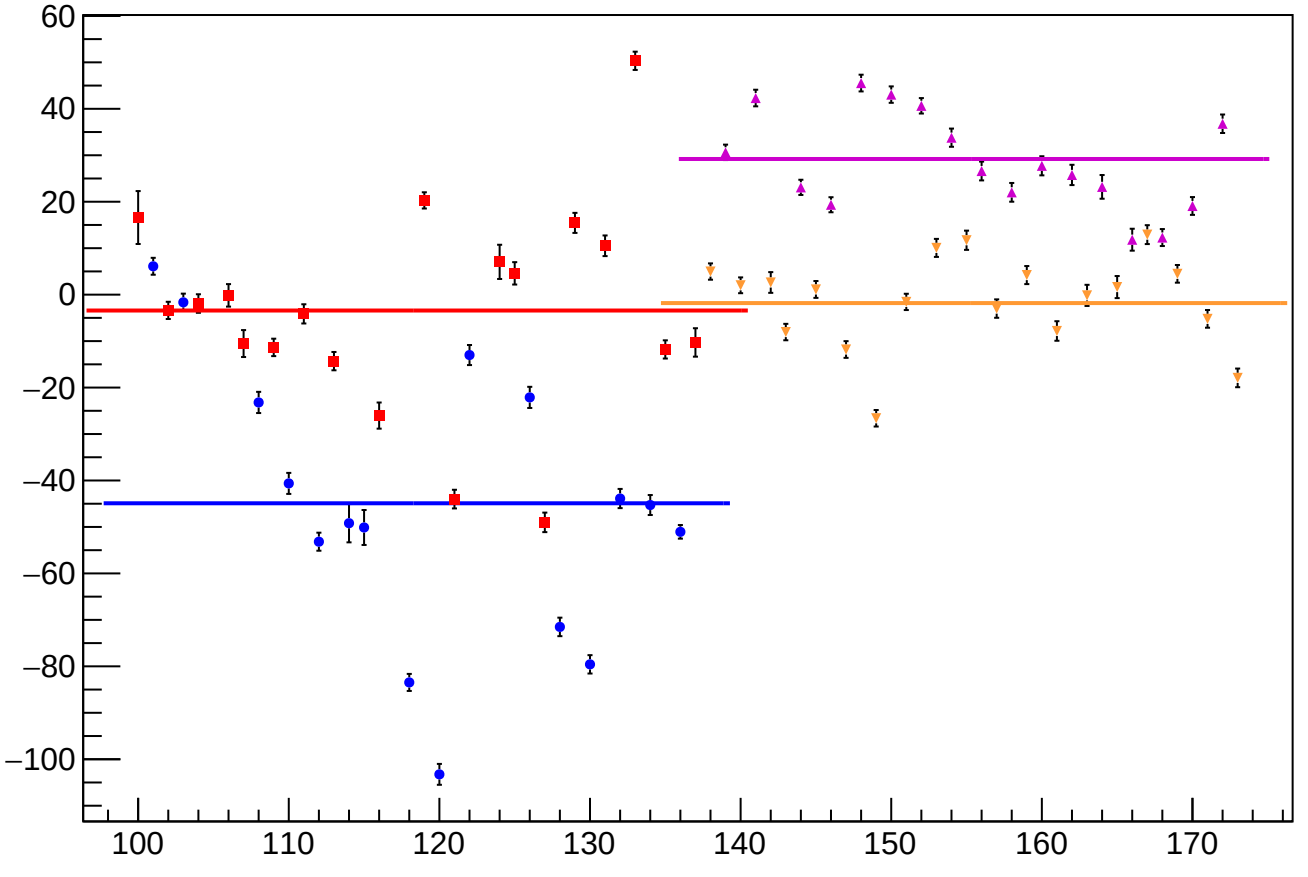
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 896.734+/-0.139 χ^2/NDF:631195.1/32

Out: 891.109+/-0.134 χ^2/NDF:668971.5/37

All: 893.821+/-0.096 χ^2/NDF: 1301017.3/70

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -1.814+/-0.443 χ^2/NDF:496.3/18

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 29.199+/-0.458 χ^2/NDF:507.4/16

Left: 13.177+/-0.318 χ^2/NDF: 3376.5/35

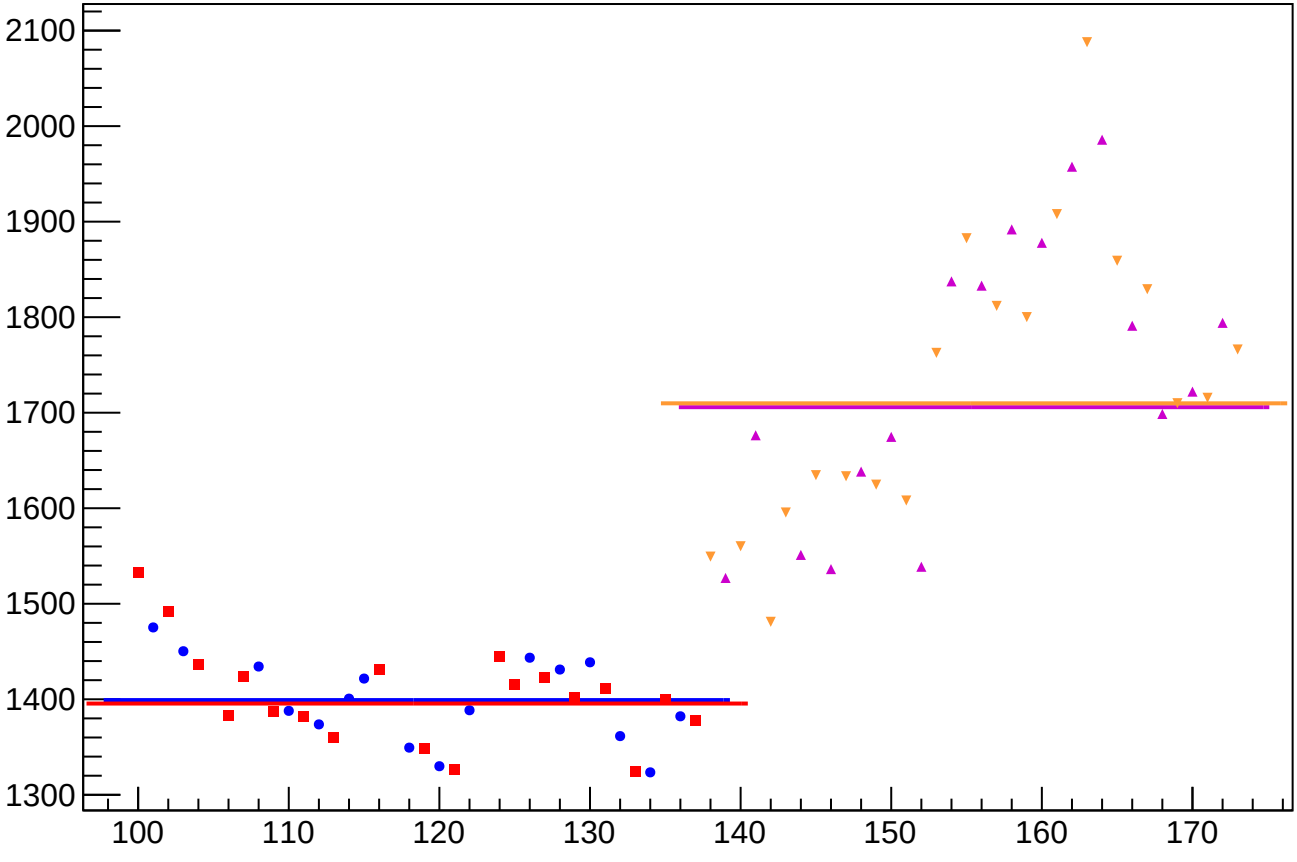
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -3.150+/-0.343 χ^2/NDF:15332.6/32

Out: -2.503+/-0.334 χ^2/NDF:2604.0/37

All: -2.818+/-0.239 χ^2/NDF: 17938.4/70

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1709.824+/-0.313 χ^2/NDF:194351.7/18

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1705.798+/-0.324 χ^2/NDF:192450.8/16

Left: 1707.878+/-0.225 χ^2/NDF: 386882.5/35

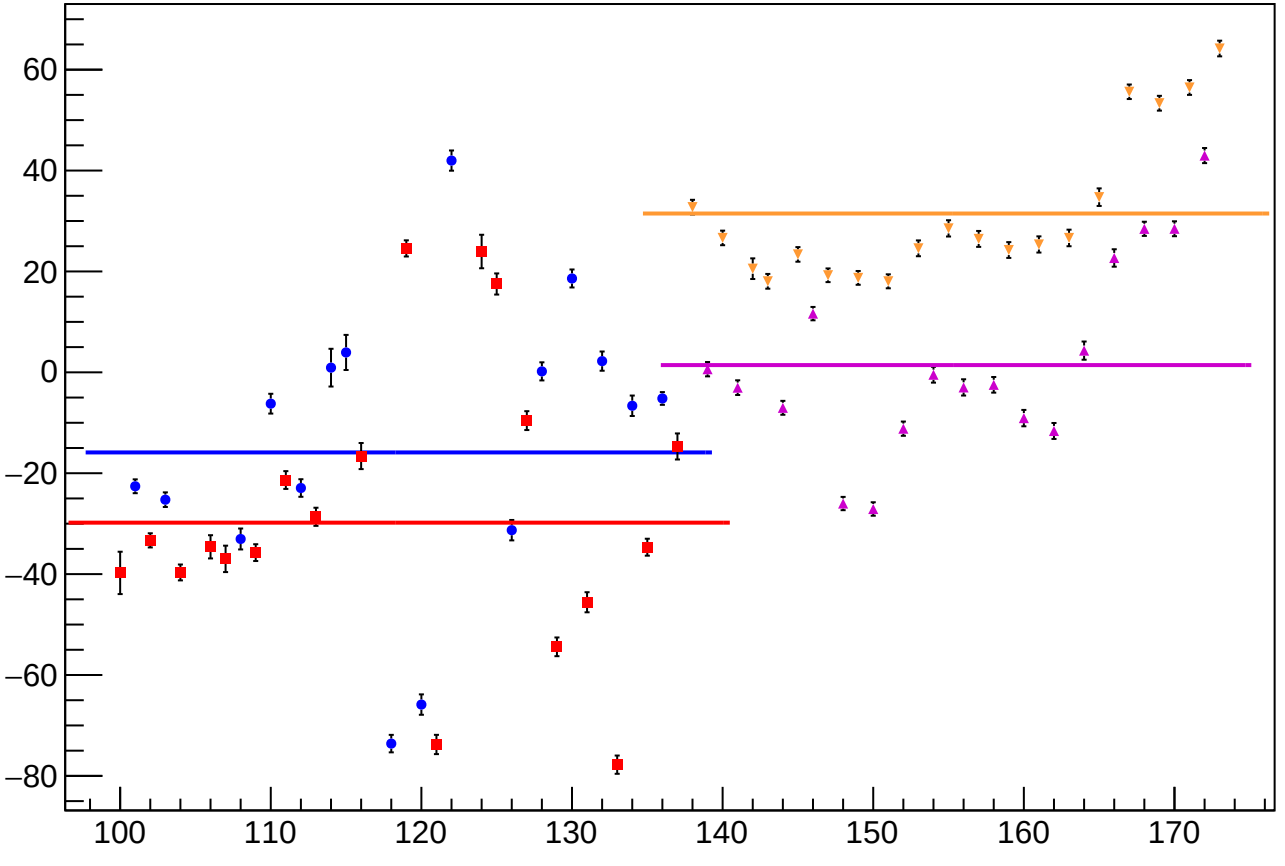
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1571.946+/-0.243 χ^2/NDF:599292.2/32

Out: 1574.542+/-0.236 χ^2/NDF:644588.7/37

All: 1573.280+/-0.169 χ^2/NDF: 1243939.6/70

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 31.483+/-0.348 χ^2/NDF:1735.3/18

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: 1.437+/-0.360 χ^2/NDF:2829.6/16

Left: 16.939+/-0.250 χ^2/NDF: 8168.8/35

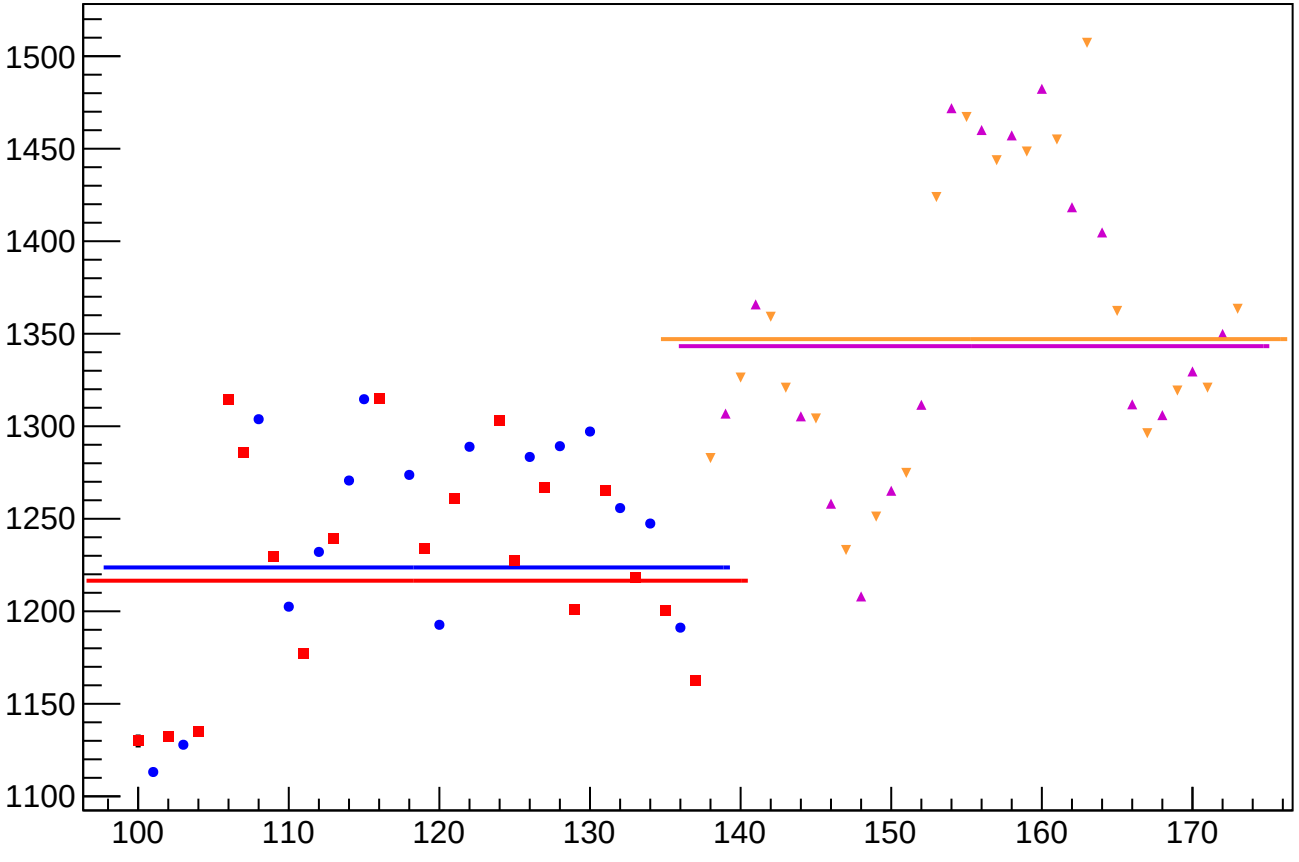
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -5.213+/-0.282 χ^2/NDF:7198.4/32

Out: 8.167+/-0.274 χ^2/NDF:17200.6/37

All: 1.671+/-0.197 χ^2/NDF: 25556.2/70

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1347.095+/-0.246 χ^2/NDF:100227.2/18

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1343.289+/-0.254 χ^2/NDF:99003.5/16

Left: 1345.253+/-0.177 χ^2/NDF: 199346.2/35

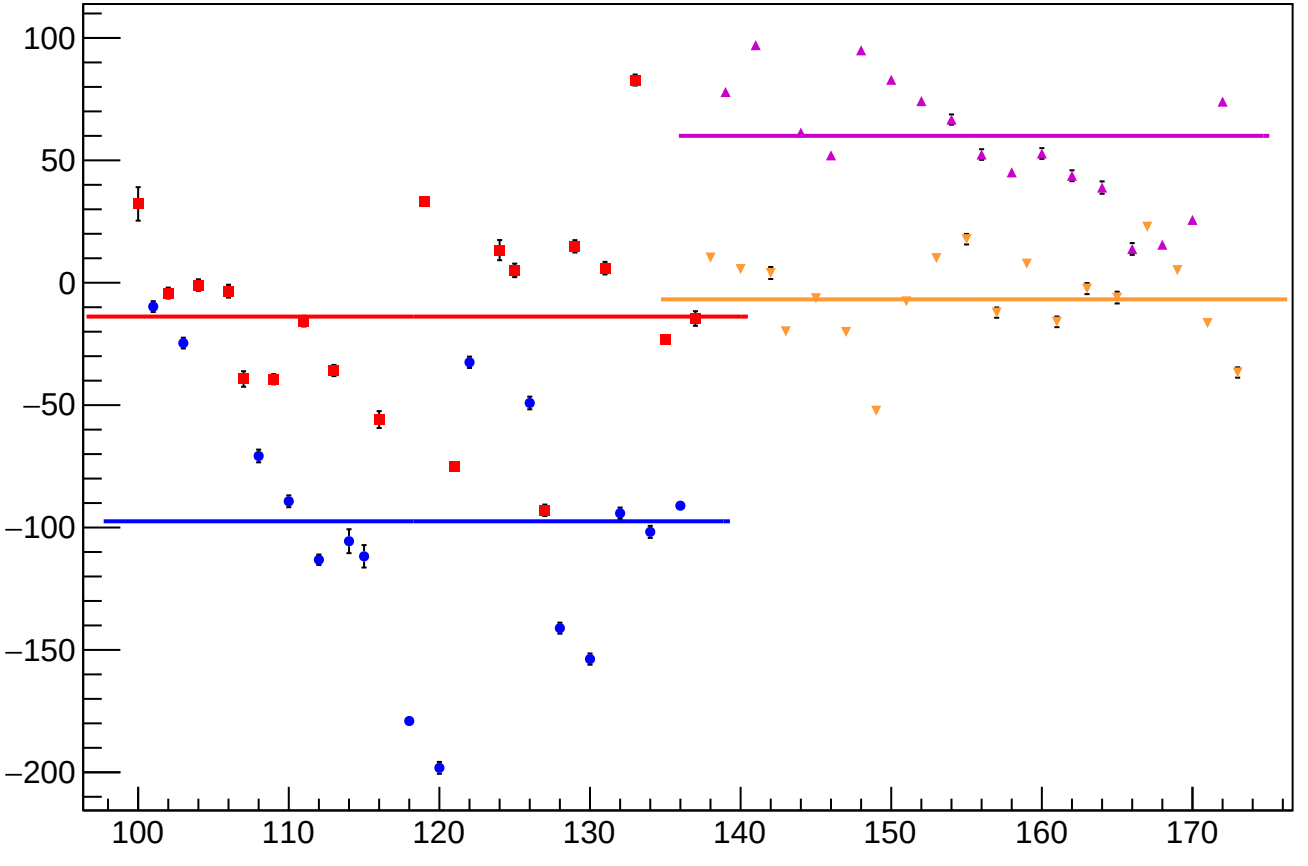
Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1297.357+/-0.200 χ^2/NDF:224890.2/32

Out: 1297.421+/-0.194 χ^2/NDF:236578.8/37

All: 1297.390+/-0.139 χ^2/NDF: 461469.1/70

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -6.782+/-0.455 χ^2/NDF:1666.1/18

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 60.020+/-0.472 χ^2/NDF:2650.7/16

Left: 25.422+/-0.328 χ^2/NDF: 14701.2/35

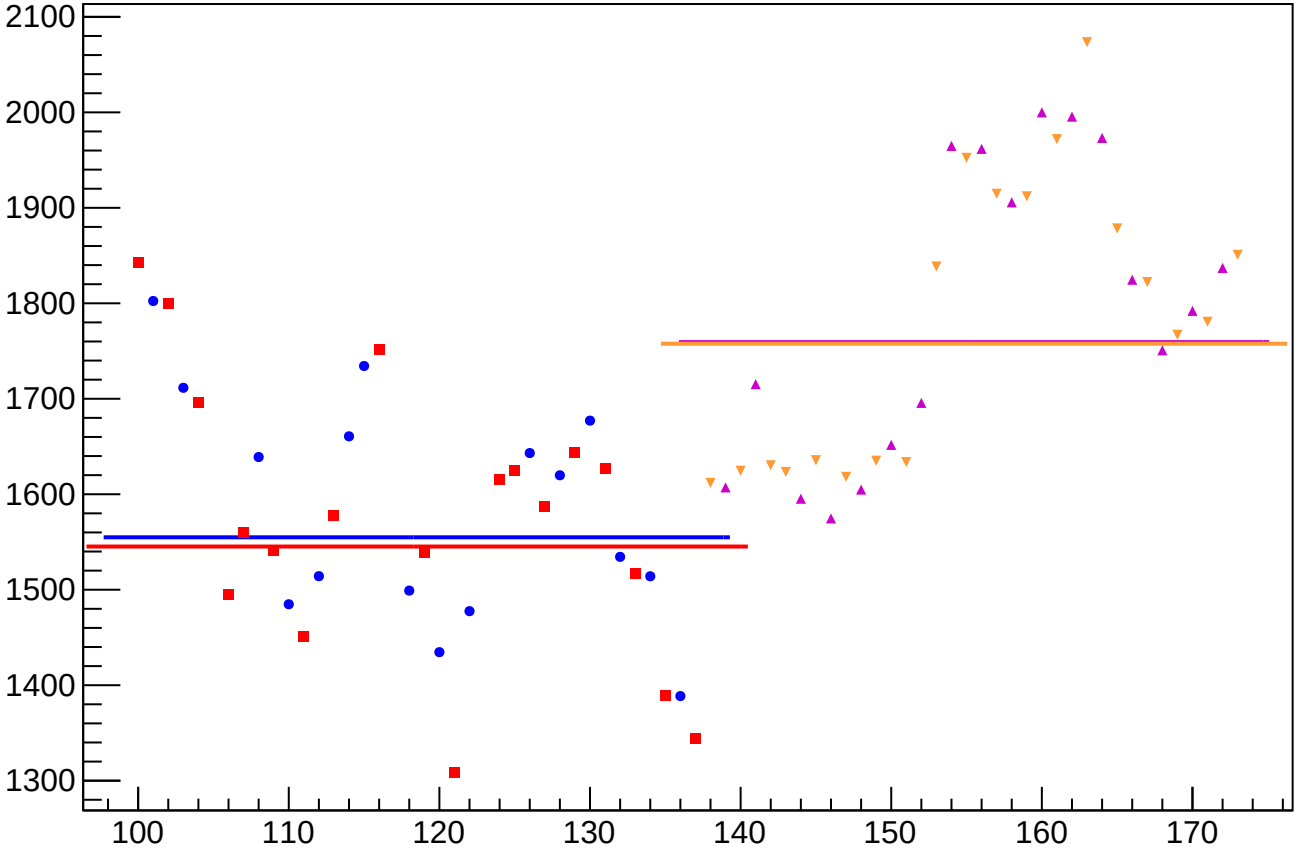
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -2.758+/-0.366 χ^2/NDF:55369.1/32

Out: -9.547+/-0.355 χ^2/NDF:7112.1/37

All: -6.258+/-0.255 χ^2/NDF: 62658.8/70

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1757.671+/-0.322 χ^2/NDF:192793.1/18

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1759.368+/-0.334 χ^2/NDF:198631.4/16

Left: 1758.489+/-0.232 χ^2/NDF: 391437.9/35

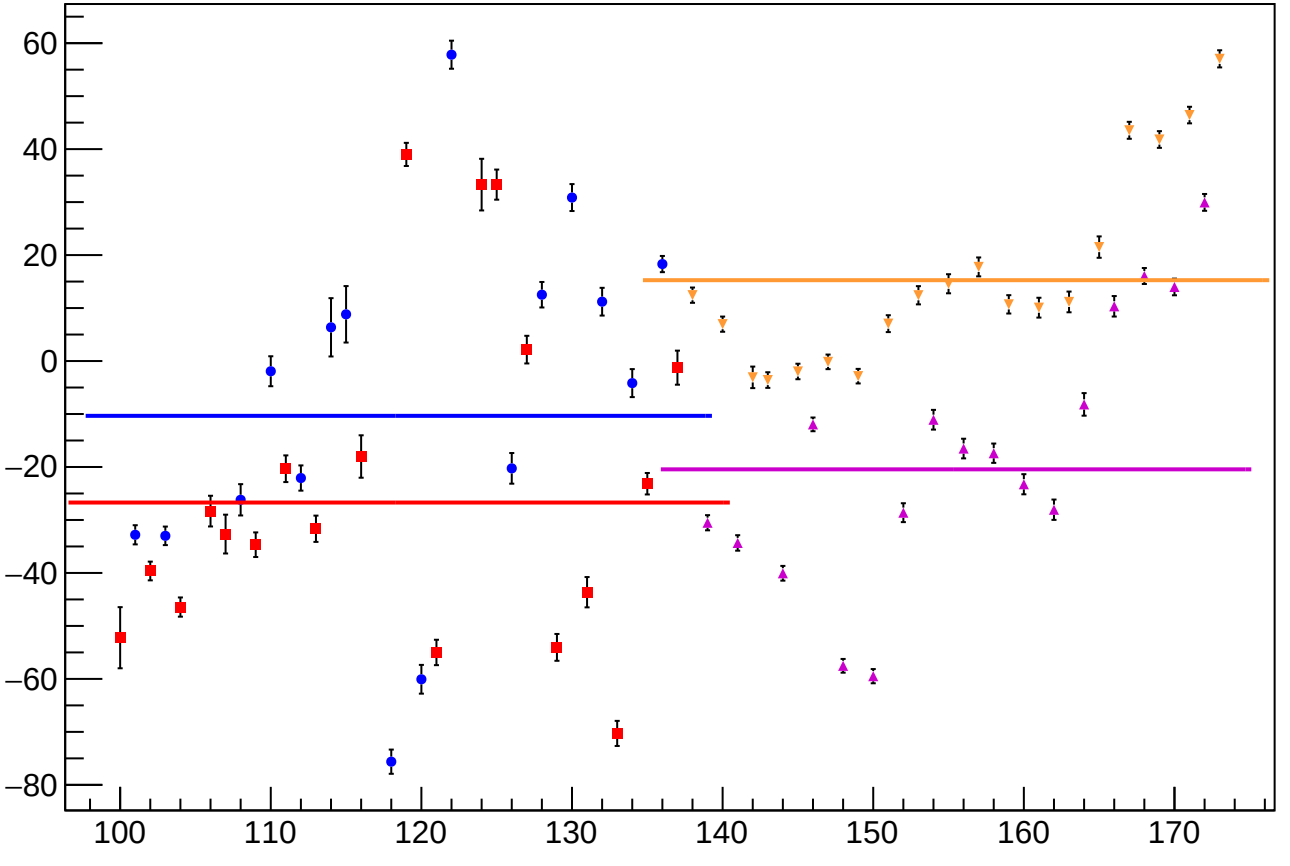
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1677.860+/-0.259 χ^2/NDF:436307.0/32

Out: 1674.186+/-0.251 χ^2/NDF:472794.6/37

All: 1675.966+/-0.180 χ^2/NDF: 909205.6/70

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 15.260+/-0.371 χ^2/NDF:2438.2/18

Right Out: -26.709+/-0.586 χ^2/NDF: 2540.7/18

Left In: -20.444+/-0.387 χ^2/NDF:4472.6/16

Left: -1.868+/-0.268 χ^2/NDF: 11346.9/35

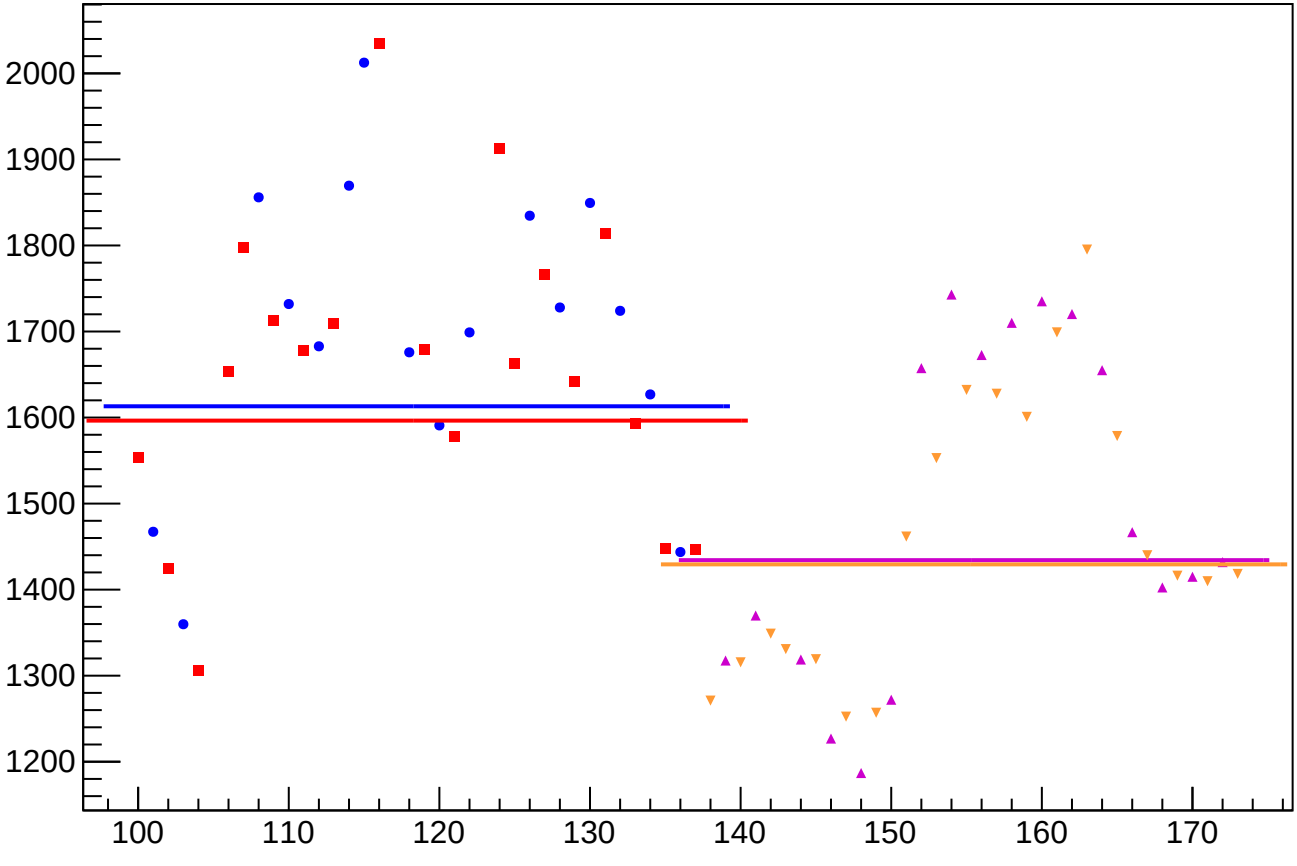
Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -17.502+/-0.326 χ^2/NDF:7678.3/32

Out: 3.248+/-0.314 χ^2/NDF:8635.9/37

All: -6.744+/-0.226 χ^2/NDF: 18421.0/70

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1429.366+/-0.263 χ^2/NDF:328357.4/18

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1434.261+/-0.273 χ^2/NDF:467252.3/16

Left: 1431.714+/-0.189 χ^2/NDF: 795776.4/35

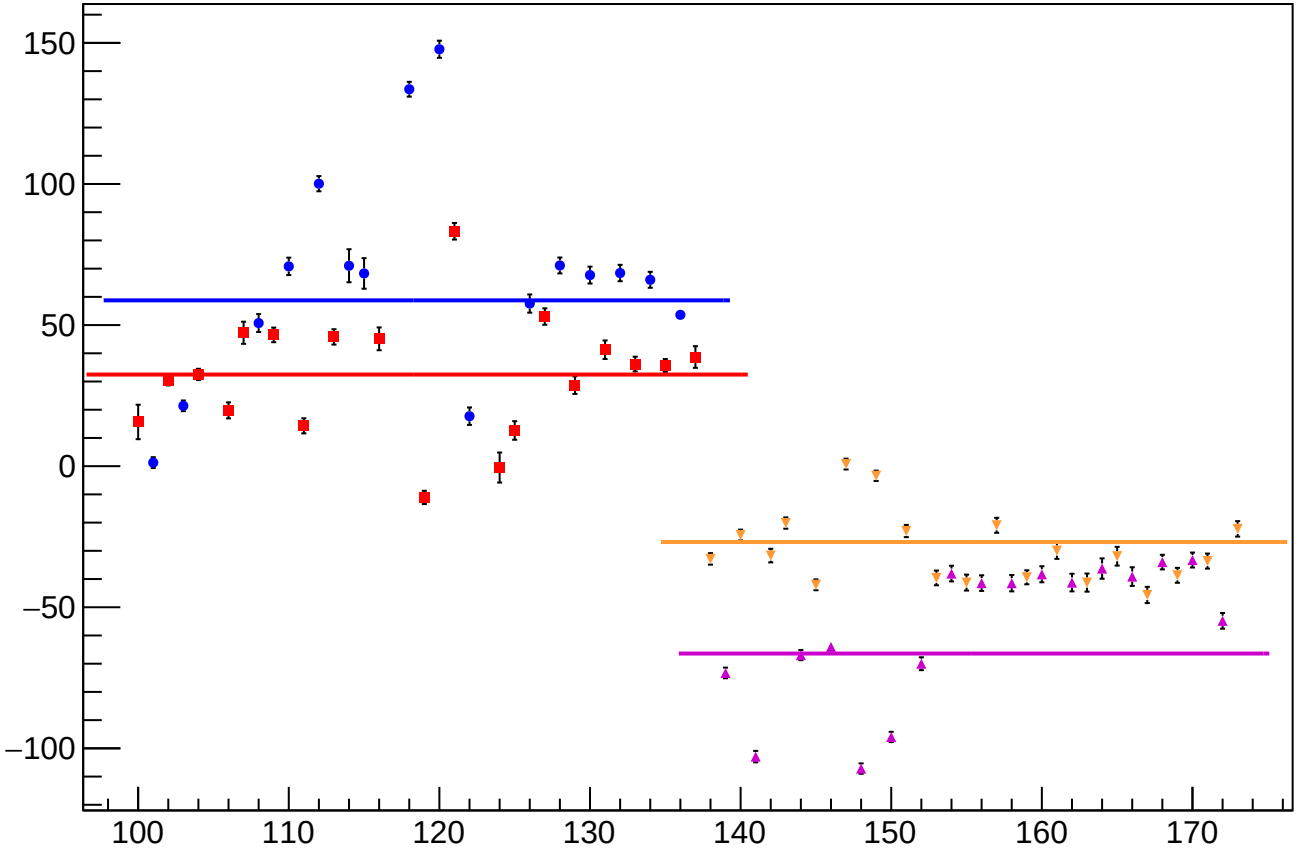
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1486.353+/-0.230 χ^2/NDF:746575.9/32

Out: 1477.186+/-0.222 χ^2/NDF:604975.8/37

All: 1481.600+/-0.160 χ^2/NDF: 1352374.1/70

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -26.880+/-0.542 χ^2/NDF:638.9/18

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -66.398+/-0.565 χ^2/NDF:1985.9/16

Left: -45.817+/-0.391 χ^2/NDF: 5172.6/35

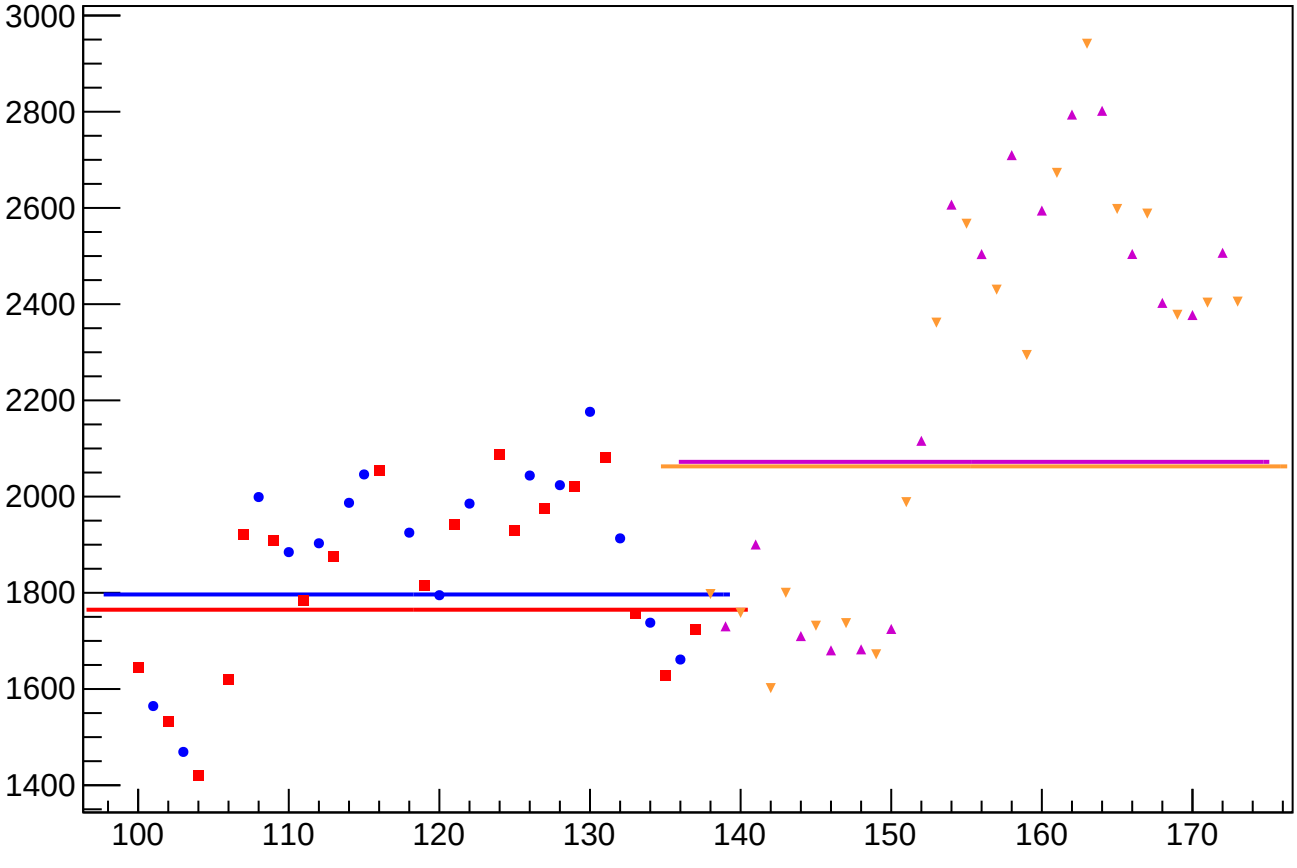
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -14.607+/-0.433 χ^2/NDF:25736.2/32

Out: -2.473+/-0.416 χ^2/NDF:6501.2/37

All: -8.301+/-0.300 χ^2/NDF: 32646.3/70

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 2062.785+/-0.383 χ^2/NDF:994260.6/18

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 2072.217+/-0.400 χ^2/NDF:1039733.2/16

Left: 2067.305+/-0.277 χ^2/NDF: 2034284.0/35

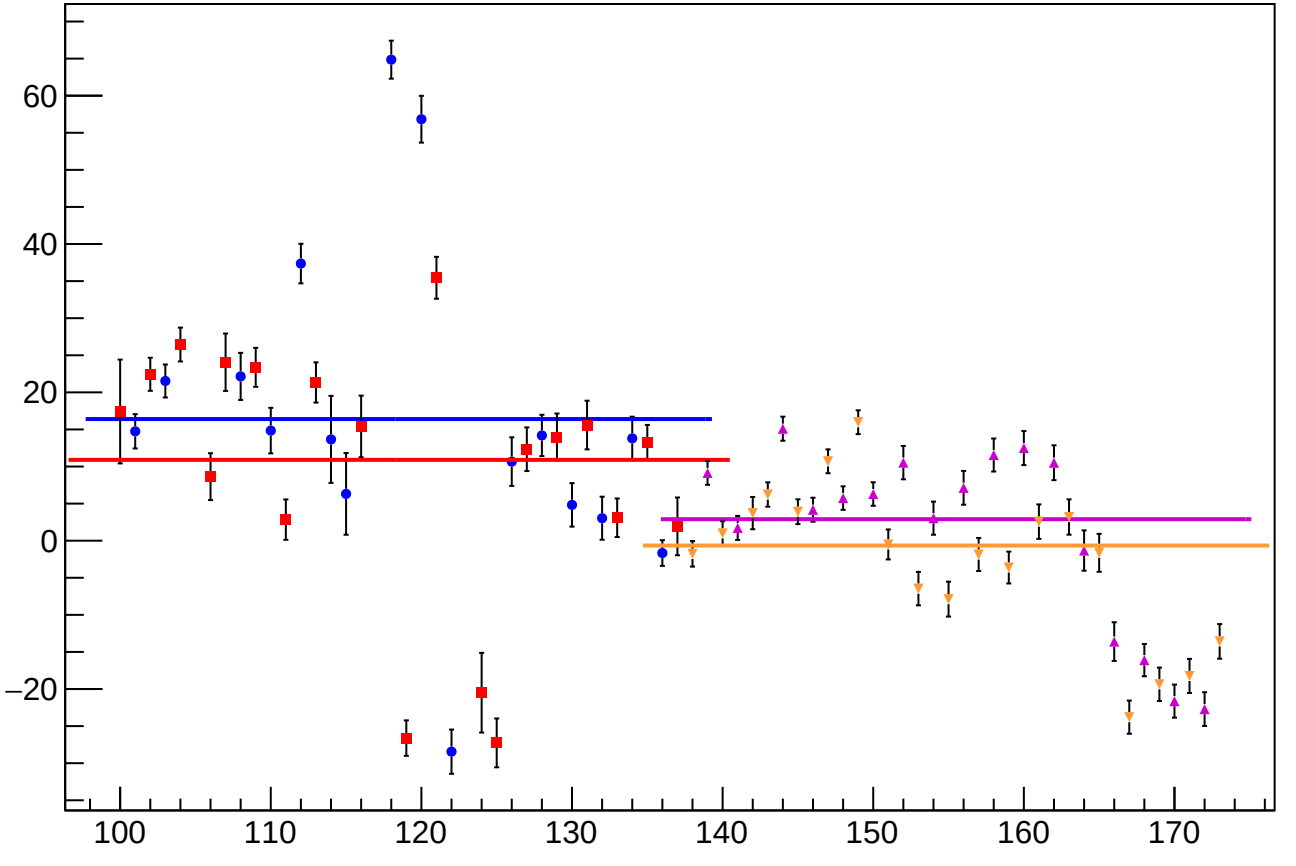
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1958.147+/-0.306 χ^2/NDF:1429922.4/32

Out: 1940.260+/-0.294 χ^2/NDF:1432807.5/37

All: 1948.851+/-0.212 χ^2/NDF: 2864507.0/70

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: -0.654+/-0.459 χ^2/NDF:475.9/18

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 2.900+/-0.478 χ^2/NDF:505.4/16

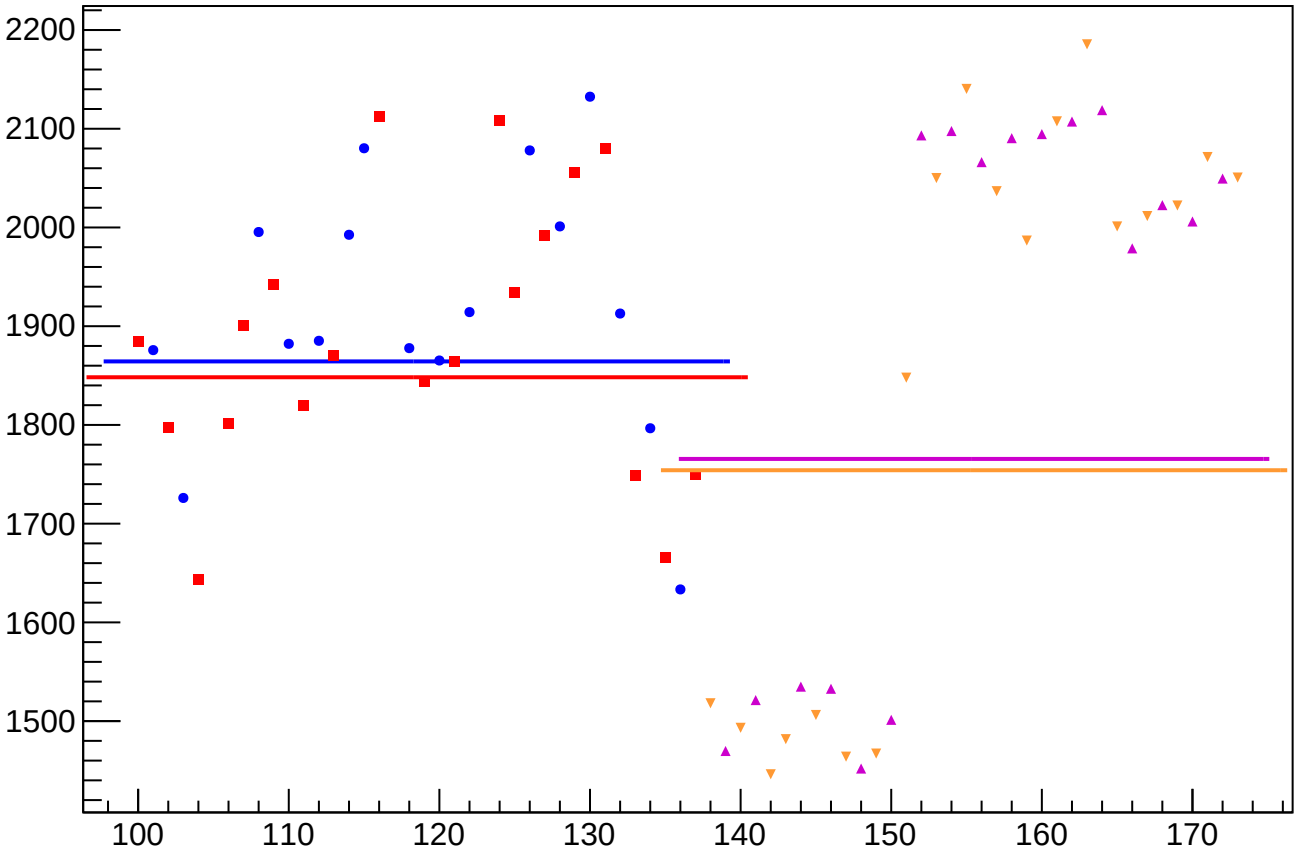
Left: 1.051+/-0.331 χ^2/NDF: 1010.1/35

Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 7.231+/-0.394 χ^2/NDF:1734.6/32

Out: 2.985+/-0.380 χ^2/NDF:1317.6/37

All: 5.031+/-0.273 χ^2/NDF: 3112.5/70



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1754.112+/-0.324 χ^2/NDF:761109.9/18

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1765.560+/-0.338 χ^2/NDF:706727.9/16

Left: 1759.603+/-0.234 χ^2/NDF: 1468435.6/35

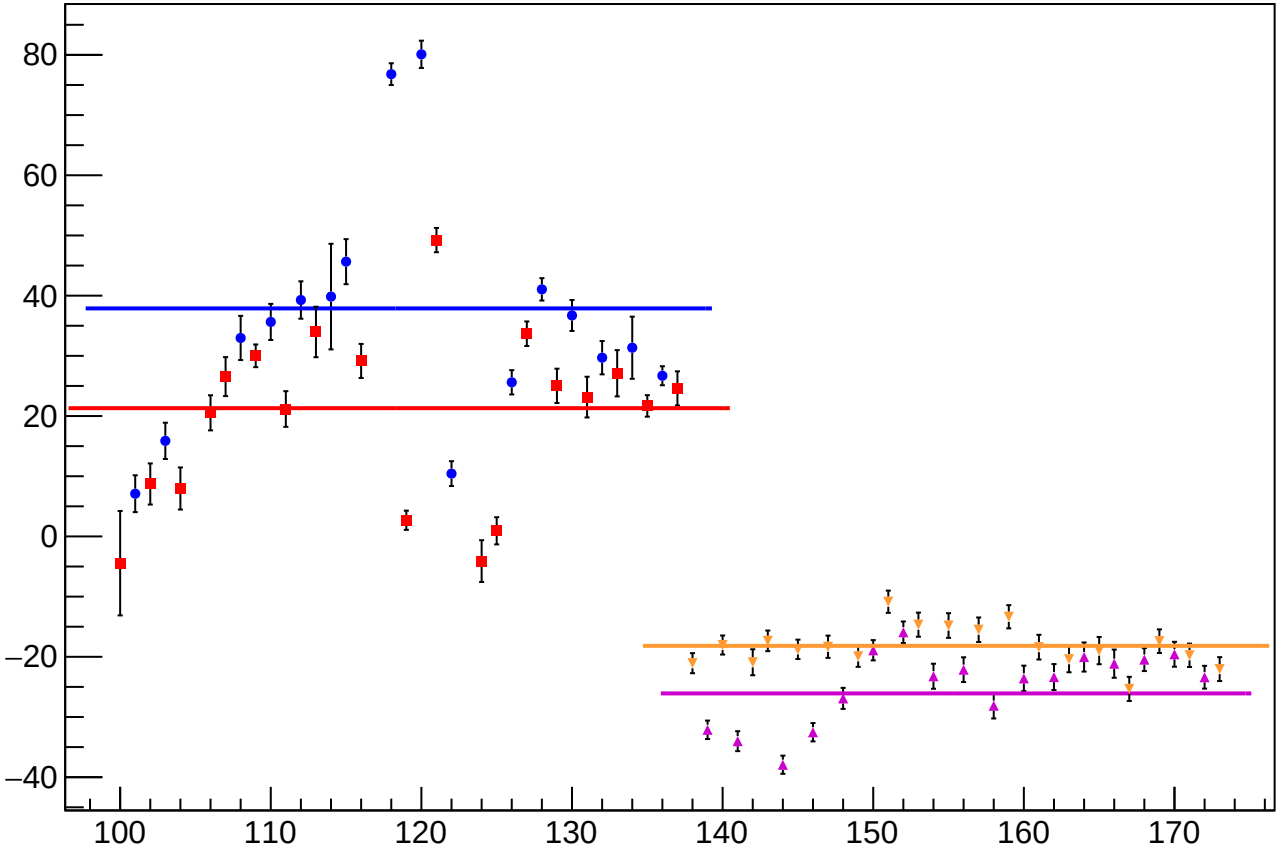
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1797.250+/-0.278 χ^2/NDF:817478.5/32

Out: 1783.780+/-0.268 χ^2/NDF:862632.2/37

All: 1790.270+/-0.193 χ^2/NDF: 1681324.3/70

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -18.179+/-0.435 χ^2/NDF:54.0/18

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -26.082+/-0.451 χ^2/NDF:209.5/16

Left: -21.992+/-0.313 χ^2/NDF: 422.6/35

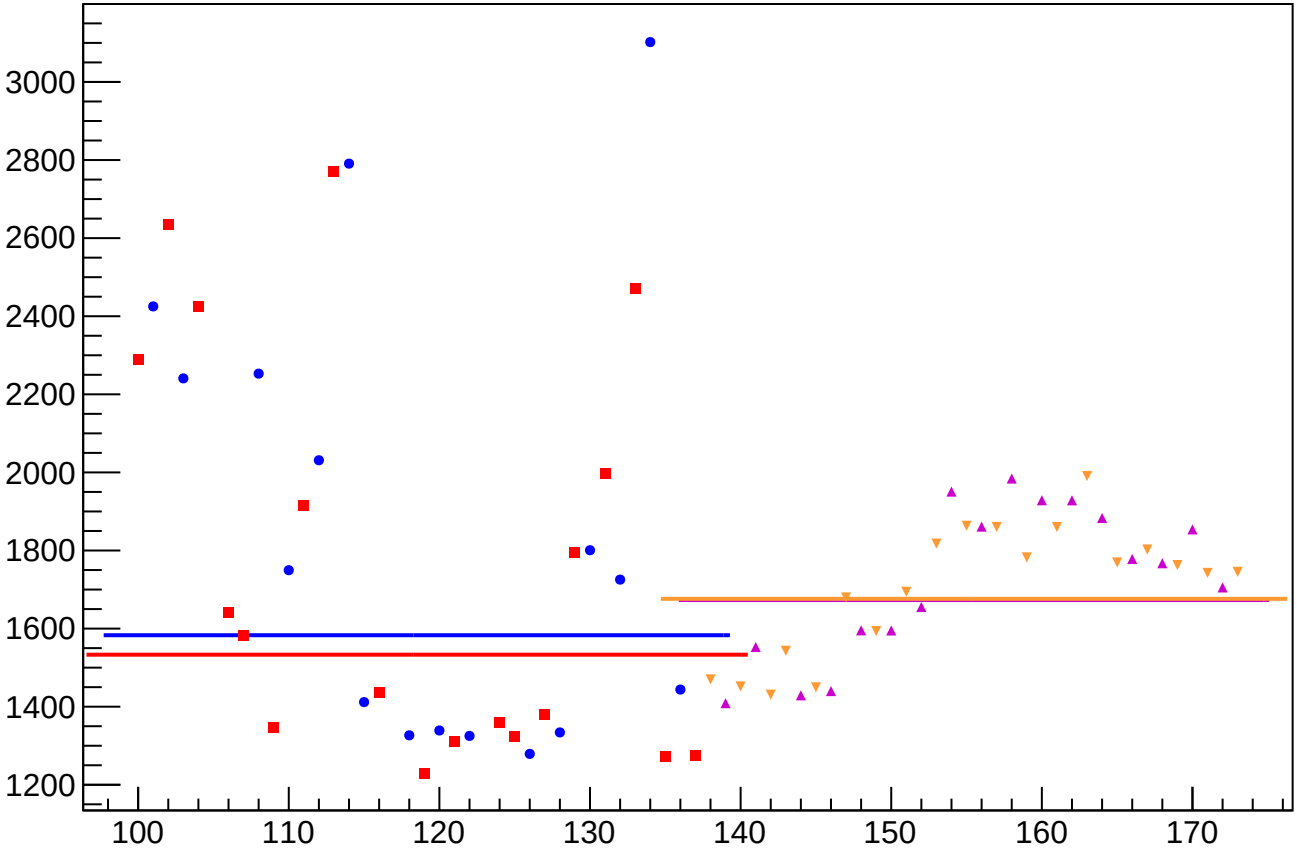
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: -4.080+/-0.365 χ^2/NDF:8388.4/32

Out: -4.357+/-0.351 χ^2/NDF:3518.8/37

All: -4.224+/-0.253 χ^2/NDF: 11907.5/70

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1676.276+/-0.308 χ^2/NDF:280073.3/18

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1673.178+/-0.319 χ^2/NDF:370406.8/16

Left: 1674.781+/-0.221 χ^2/NDF: 650529.0/35

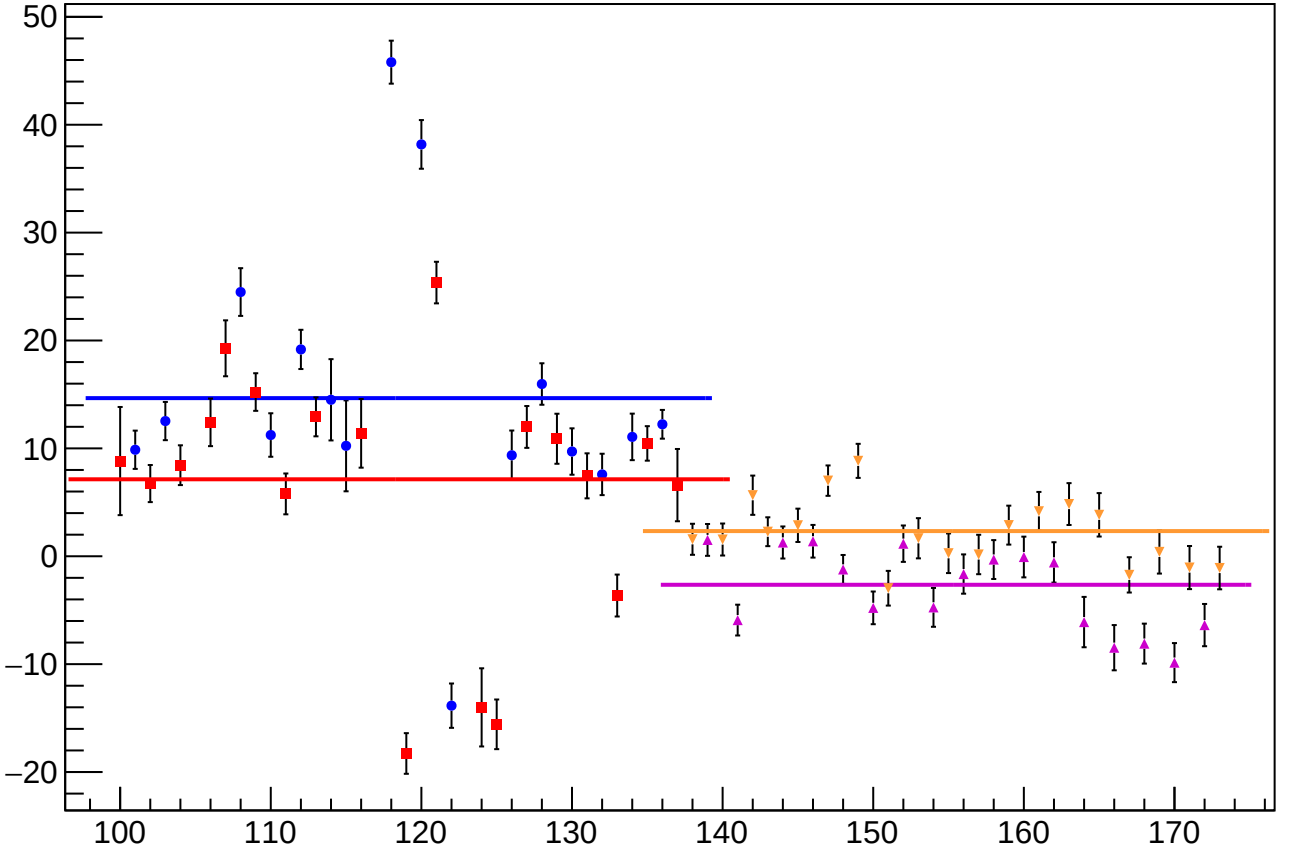
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1642.176+/-0.258 χ^2/NDF:1185594.8/32

Out: 1626.185+/-0.248 χ^2/NDF:1306546.7/37

All: 1633.863+/-0.179 χ^2/NDF: 2494136.9/70

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.334+/-0.388 χ^2/NDF:62.0/18

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -2.644+/-0.410 χ^2/NDF:80.0/16

Left: -0.013+/-0.282 χ^2/NDF: 219.8/35

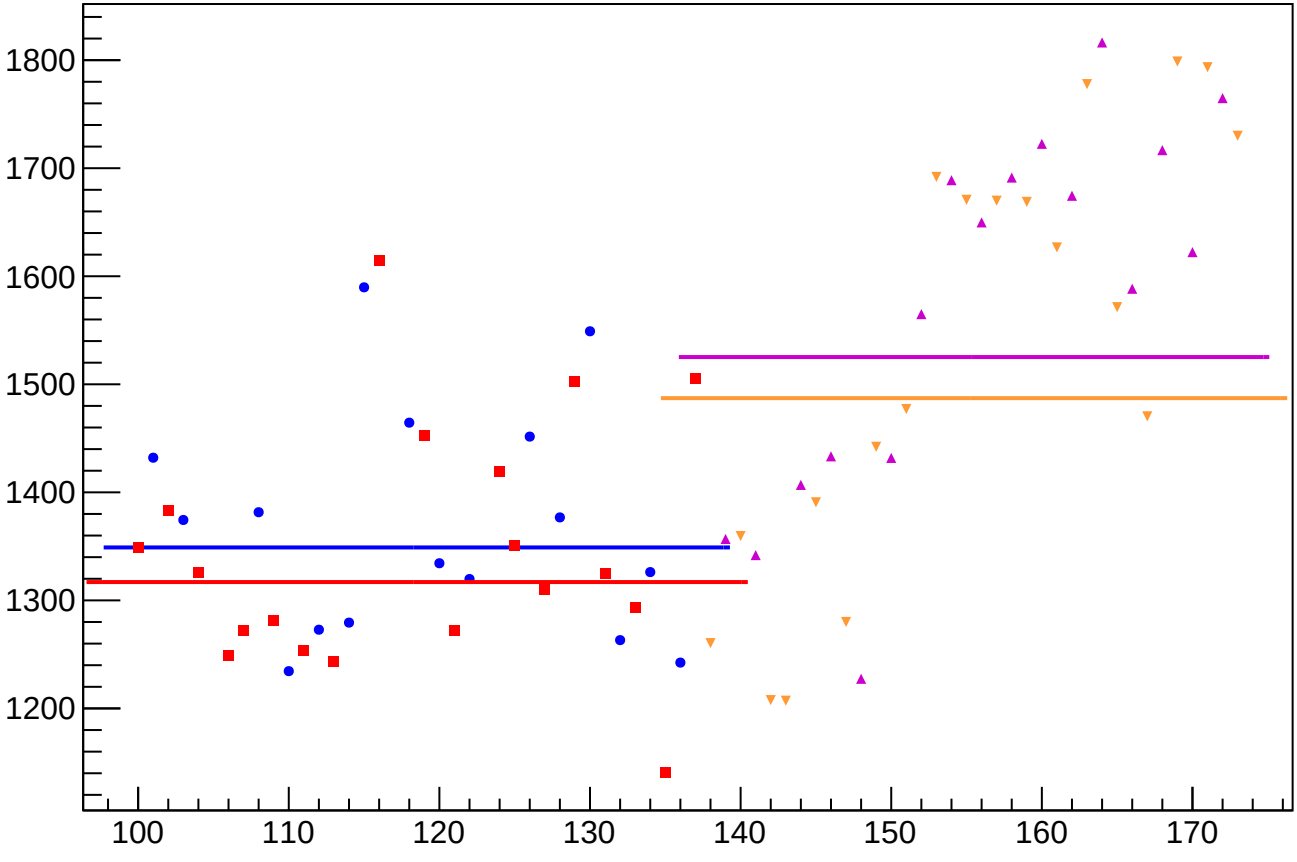
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 4.247+/-0.318 χ^2/NDF:1402.5/32

Out: 4.214+/-0.302 χ^2/NDF:631.5/37

All: 4.230+/-0.219 χ^2/NDF: 2034.0/70

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1487.183+/-0.274 χ^2/NDF:522668.6/18

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1525.211+/-0.290 χ^2/NDF:353982.0/16

Left: 1505.114+/-0.199 χ^2/NDF: 885723.5/35

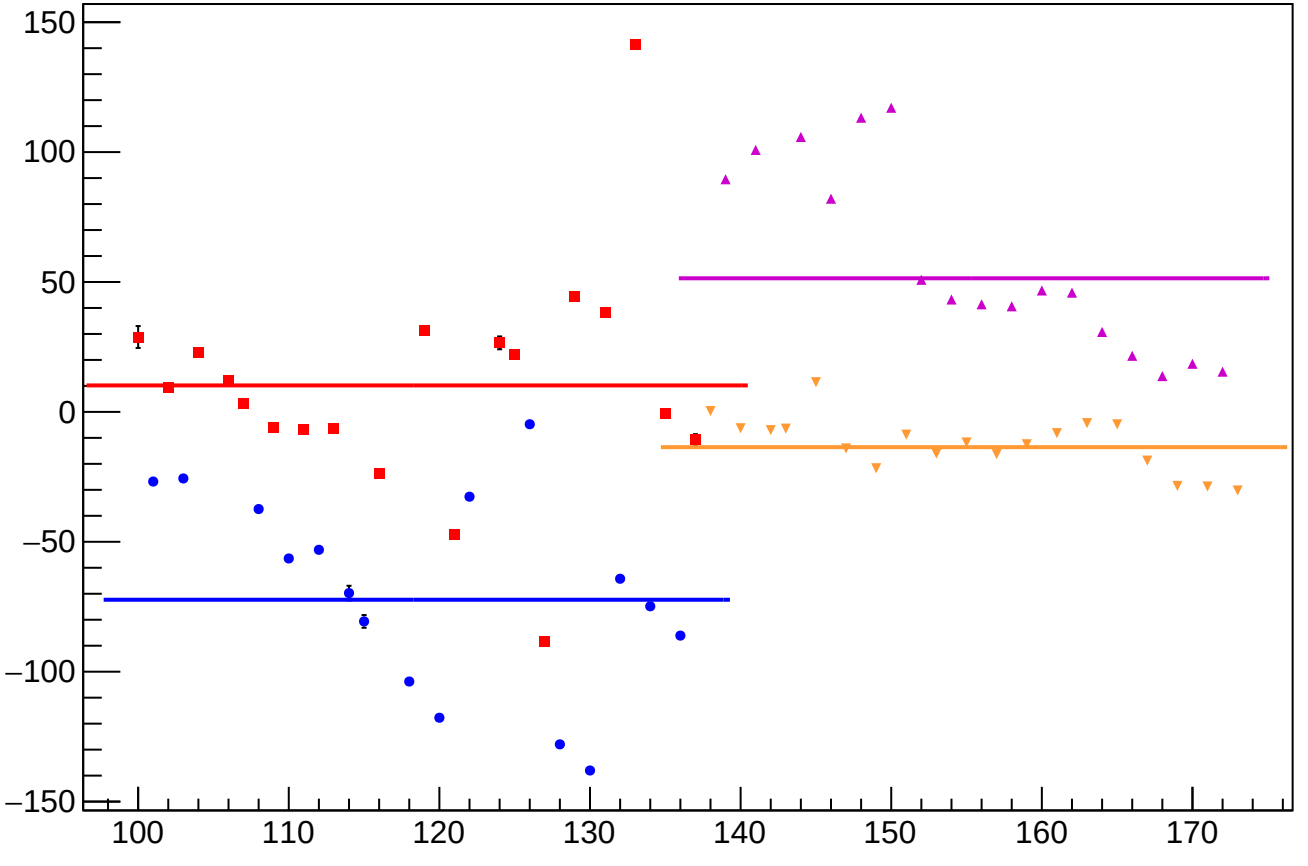
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1455.029+/-0.225 χ^2/NDF:569181.3/32

Out: 1420.511+/-0.214 χ^2/NDF:760544.5/37

All: 1436.881+/-0.155 χ^2/NDF: 1342084.7/70

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -13.572+/-0.212 χ^2/NDF:2365.0/18

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 51.424+/-0.223 χ^2/NDF:21962.7/16

Left: 17.381+/-0.154 χ^2/NDF: 68919.4/35

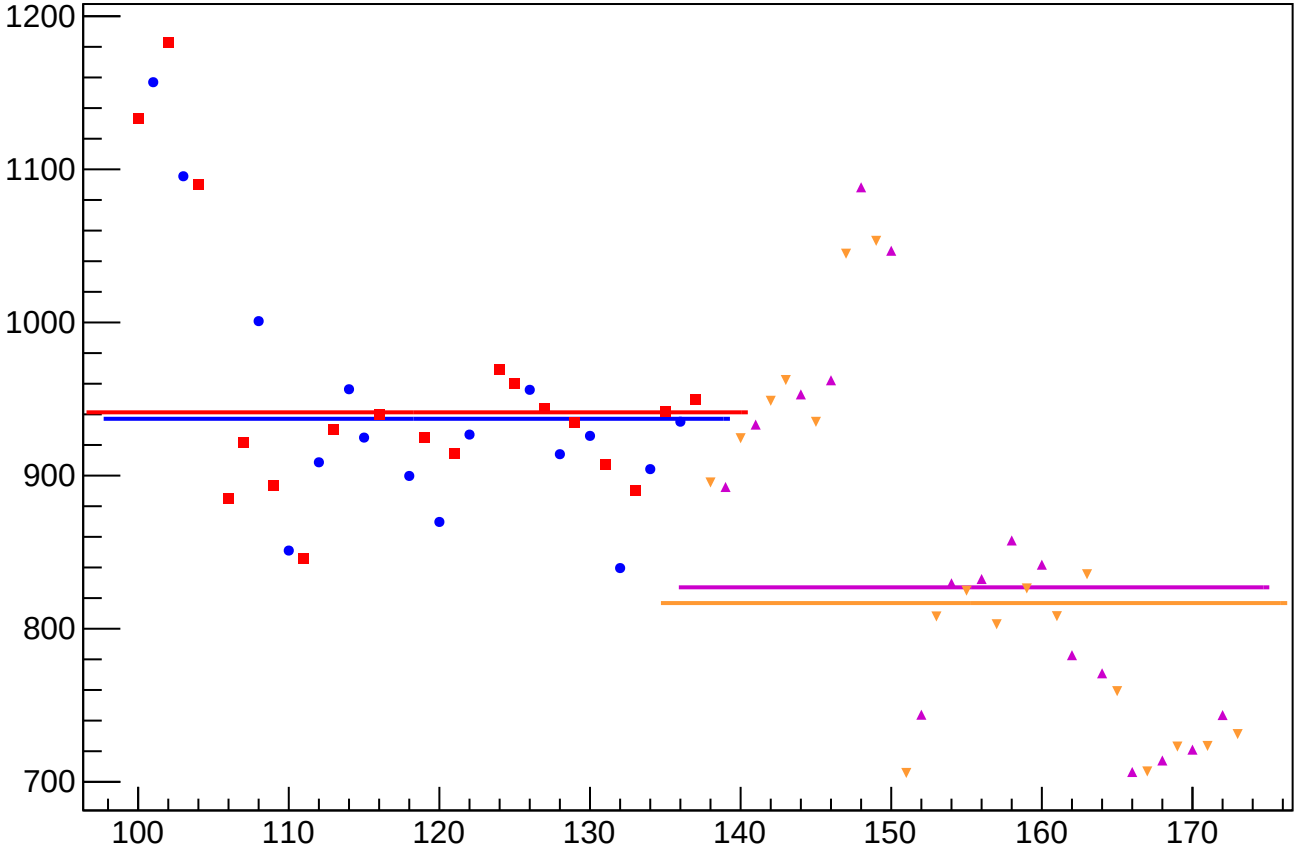
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 15.675+/-0.188 χ^2/NDF:123255.9/32

Out: -7.028+/-0.181 χ^2/NDF:24857.0/37

All: 3.891+/-0.130 χ^2/NDF: 155695.9/70

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 816.757+/-0.150 χ^2/NDF:444010.0/18

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 827.038+/-0.158 χ^2/NDF:443242.1/16

Left: 821.653+/-0.109 χ^2/NDF: 889483.5/35

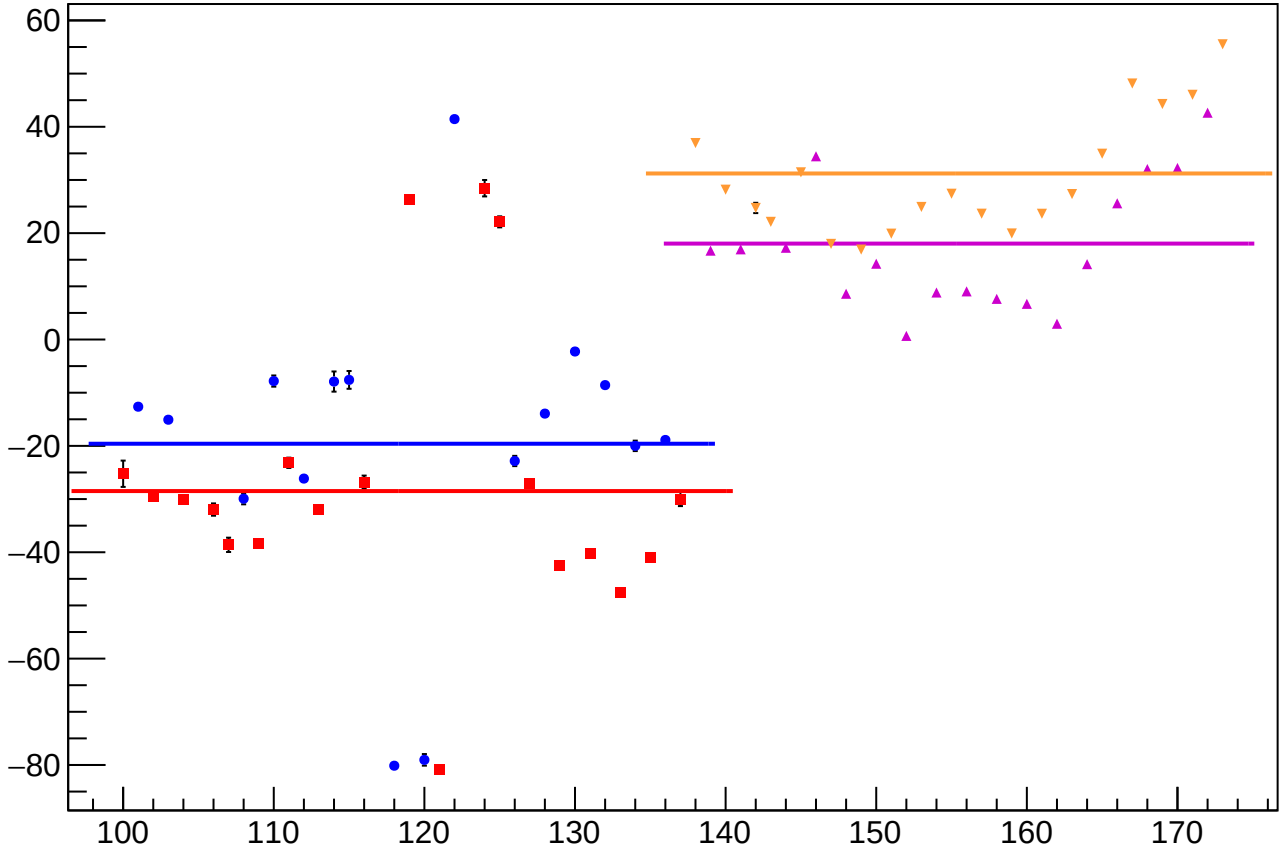
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 858.837+/-0.133 χ^2/NDF:688965.5/32

Out: 851.062+/-0.128 χ^2/NDF:734474.2/37

All: 854.802+/-0.092 χ^2/NDF: 1425218.2/70

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 31.220+/-0.167 χ^2/NDF:4719.7/18

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 18.035+/-0.175 χ^2/NDF:4929.5/16

Left: 24.949+/-0.121 χ^2/NDF: 12612.7/35

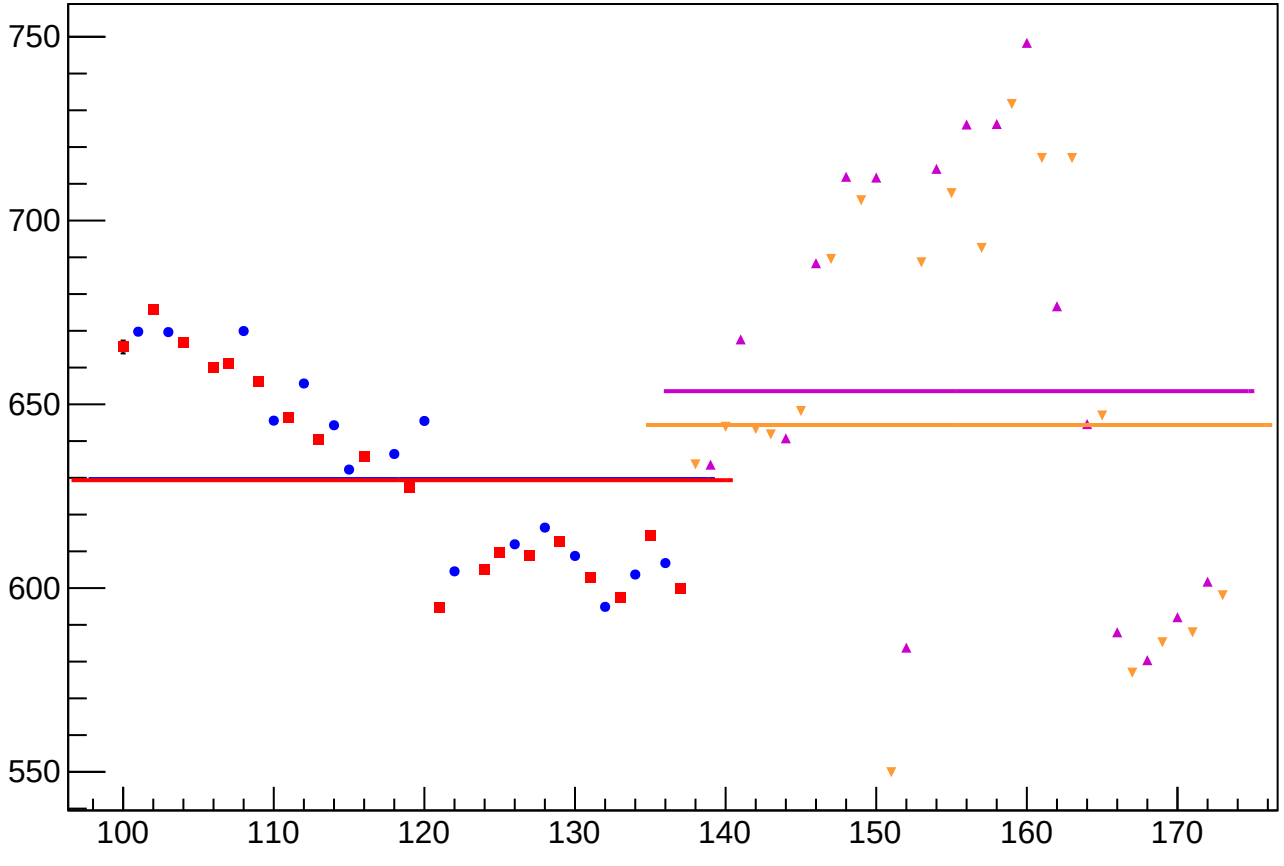
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: 4.503+/-0.140 χ^2/NDF:34655.2/32

Out: 10.563+/-0.135 χ^2/NDF:61907.4/37

All: 7.649+/-0.097 χ^2/NDF: 97530.4/70

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 644.376+/-0.118 χ^2/NDF:219142.7/18

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 653.584+/-0.124 χ^2/NDF:201854.8/16

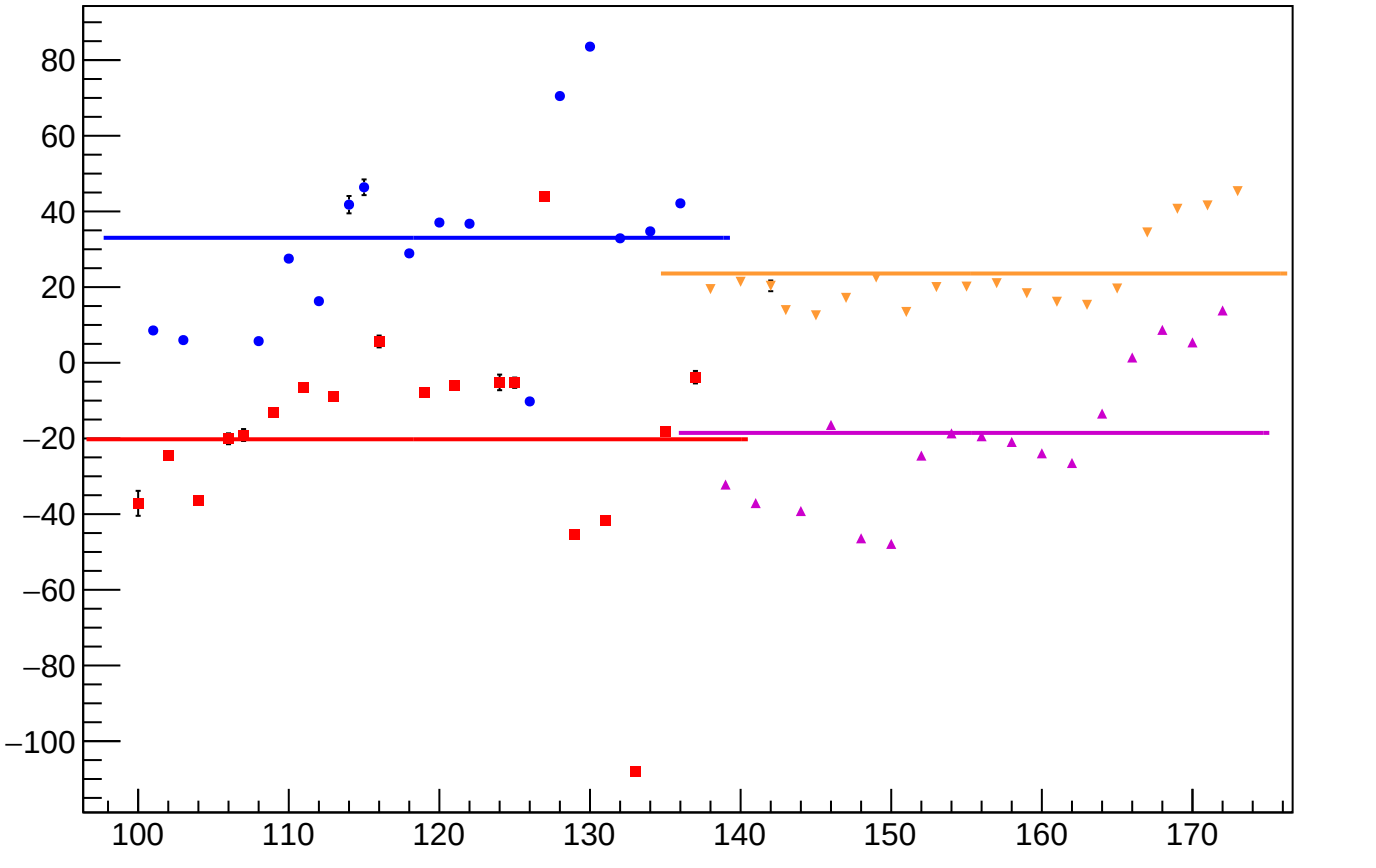
Left: 648.756+/-0.086 χ^2/NDF: 423888.7/35

Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

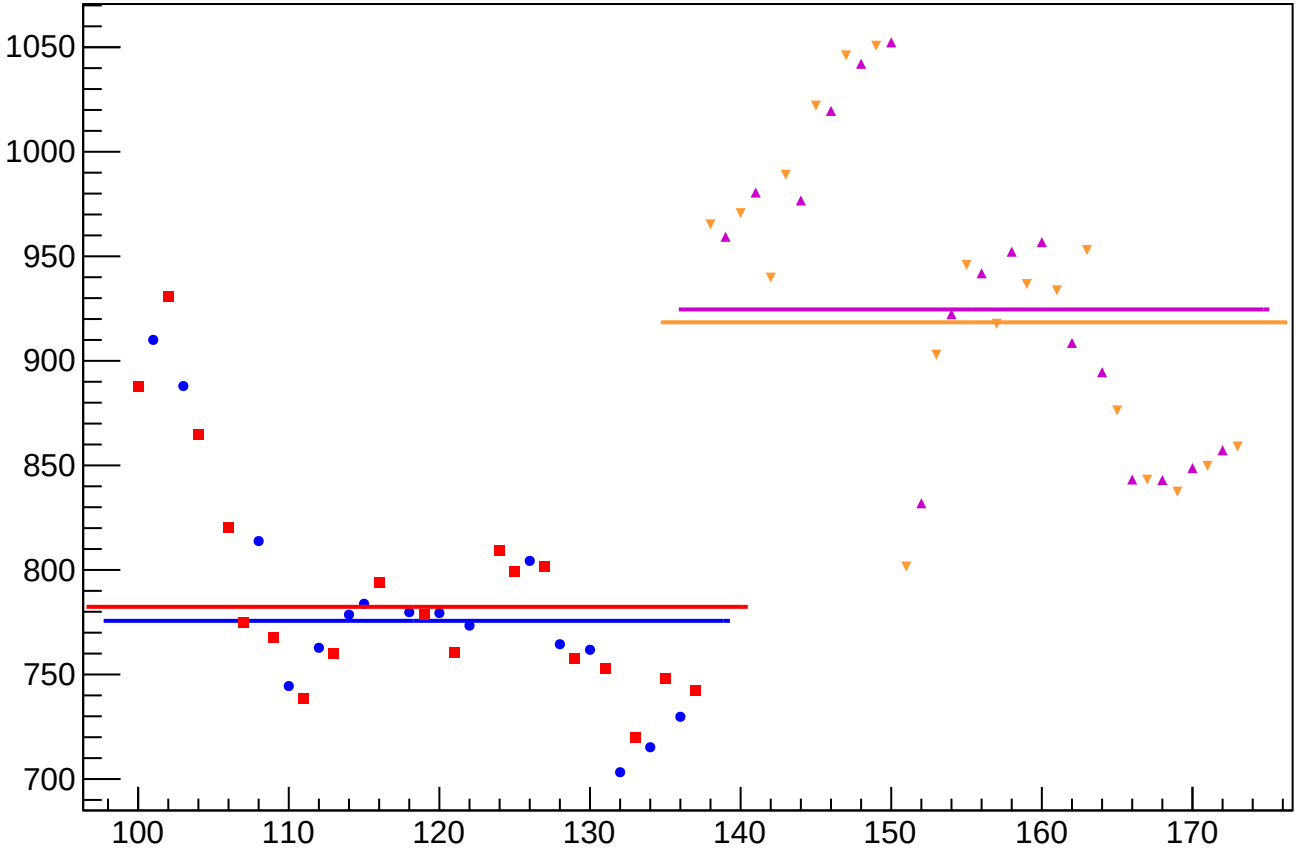
In: 644.982+/-0.099 χ^2/NDF:240552.6/32

Out: 639.182+/-0.096 χ^2/NDF:251524.8/37

All: 641.971+/-0.069 χ^2/NDF: 493850.1/70


diff_bpm1i04X_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
Right In: 33.033+/-0.289 χ²/NDF: 6700.1/15
Left Out: 23.596+/-0.238 χ²/NDF:1882.3/18
Right Out: -20.215+/-0.286 χ²/NDF: 11869.7/18
Left In: -18.529+/-0.248 χ²/NDF:5371.9/16
Left: 3.402+/-0.172 χ²/NDF: 22308.5/35
Right: 6.136+/-0.203 χ²/NDF: 35729.1/34
In: 3.318+/-0.188 χ²/NDF:30428.7/32
Out: 5.692+/-0.183 χ²/NDF:27632.7/37
All: 4.539+/-0.131 χ²/NDF: 58143.3/70

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 918.439+/-0.168 χ^2/NDF:175023.7/18

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 924.596+/-0.175 χ^2/NDF:153476.3/16

Left: 921.391+/-0.121 χ^2/NDF: 329143.2/35

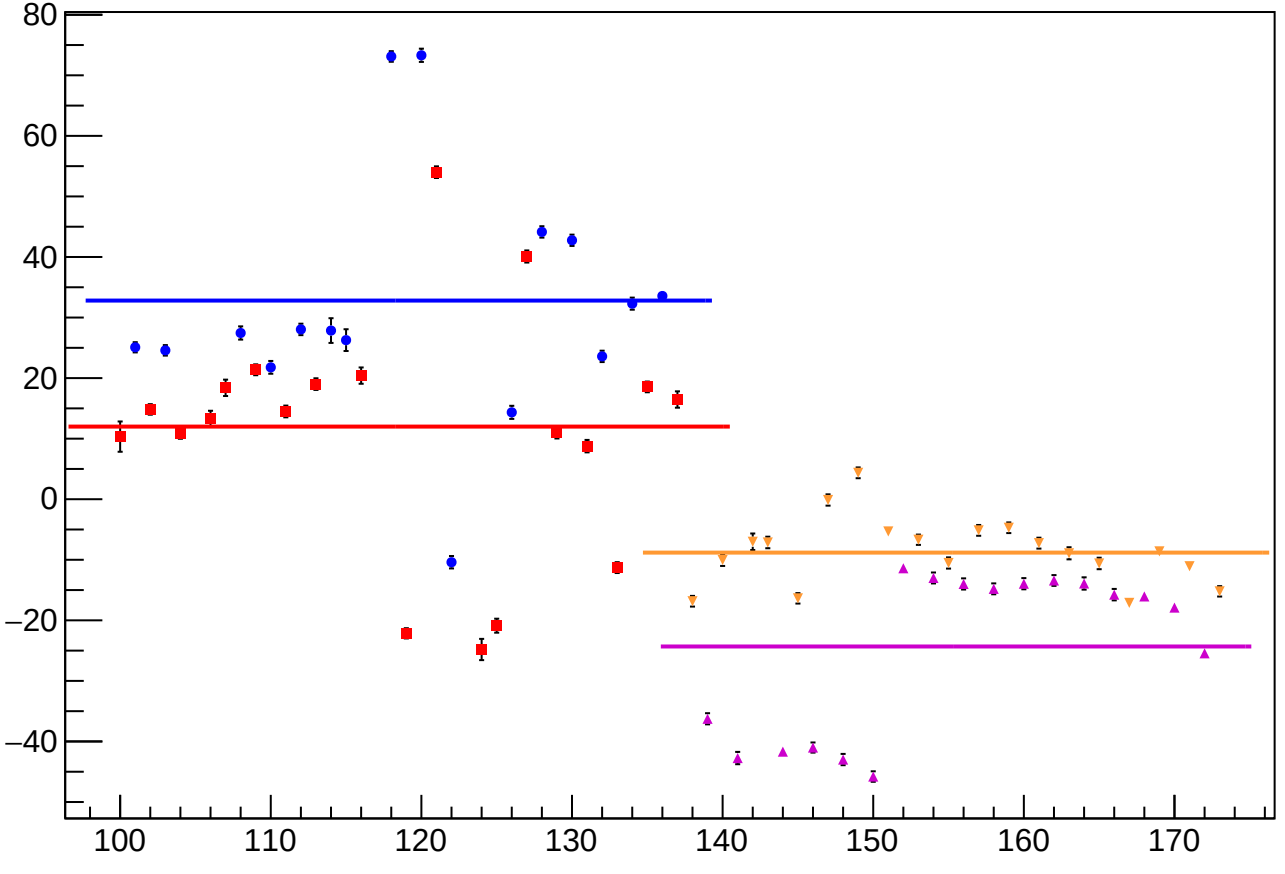
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 861.492+/-0.133 χ^2/NDF:534425.6/32

Out: 862.829+/-0.129 χ^2/NDF:507420.9/37

All: 862.180+/-0.093 χ^2/NDF: 1041898.4/70

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -8.815+/-0.202 χ^2/NDF:726.9/18

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -24.318+/-0.210 χ^2/NDF:3741.5/16

Left: -16.247+/-0.146 χ^2/NDF: 7294.0/35

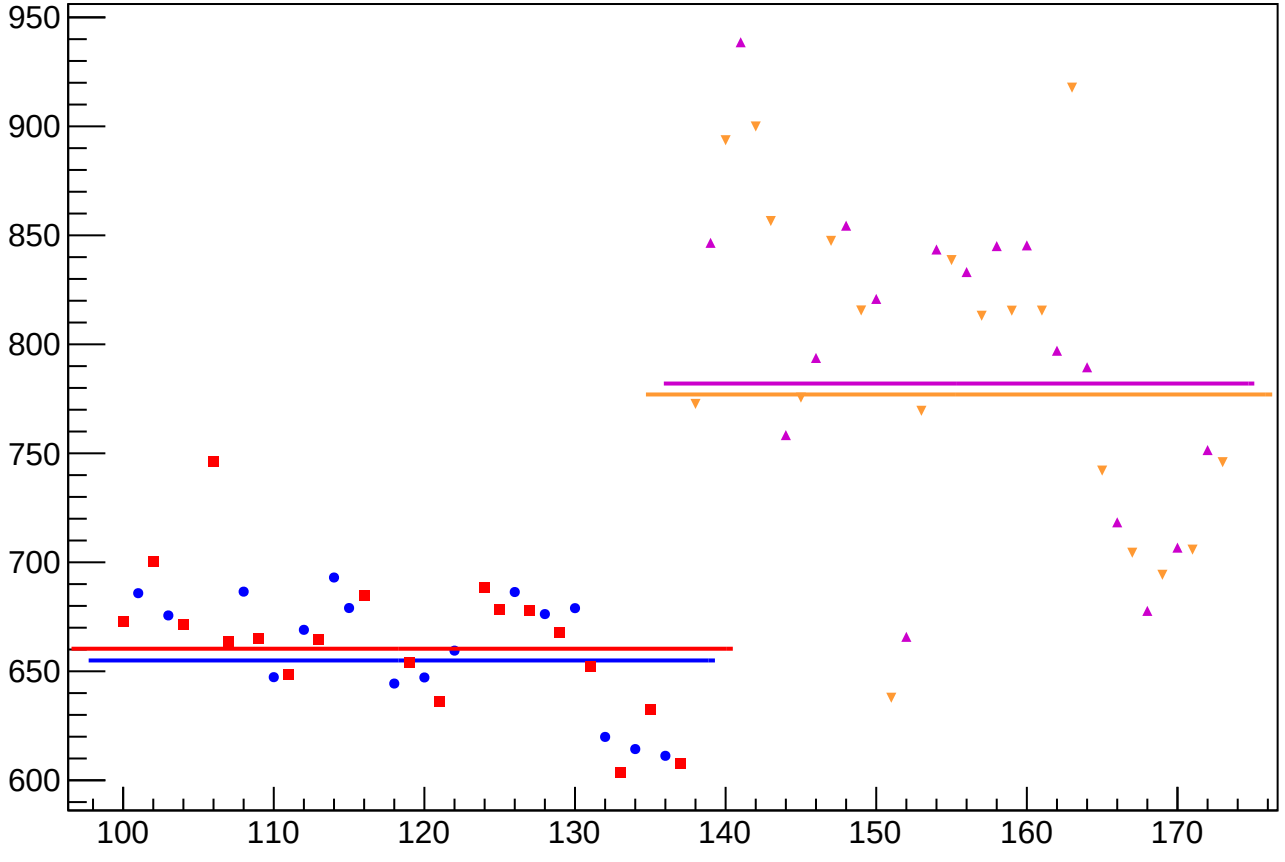
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 0.102+/-0.159 χ^2/NDF:41500.6/32

Out: -0.237+/-0.155 χ^2/NDF:11663.9/37

All: -0.072+/-0.111 χ^2/NDF: 53166.9/70

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 776.996+/-0.143 χ^2/NDF:275672.0/18

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 782.012+/-0.149 χ^2/NDF:233308.6/16

Left: 779.401+/-0.103 χ^2/NDF: 509572.3/35

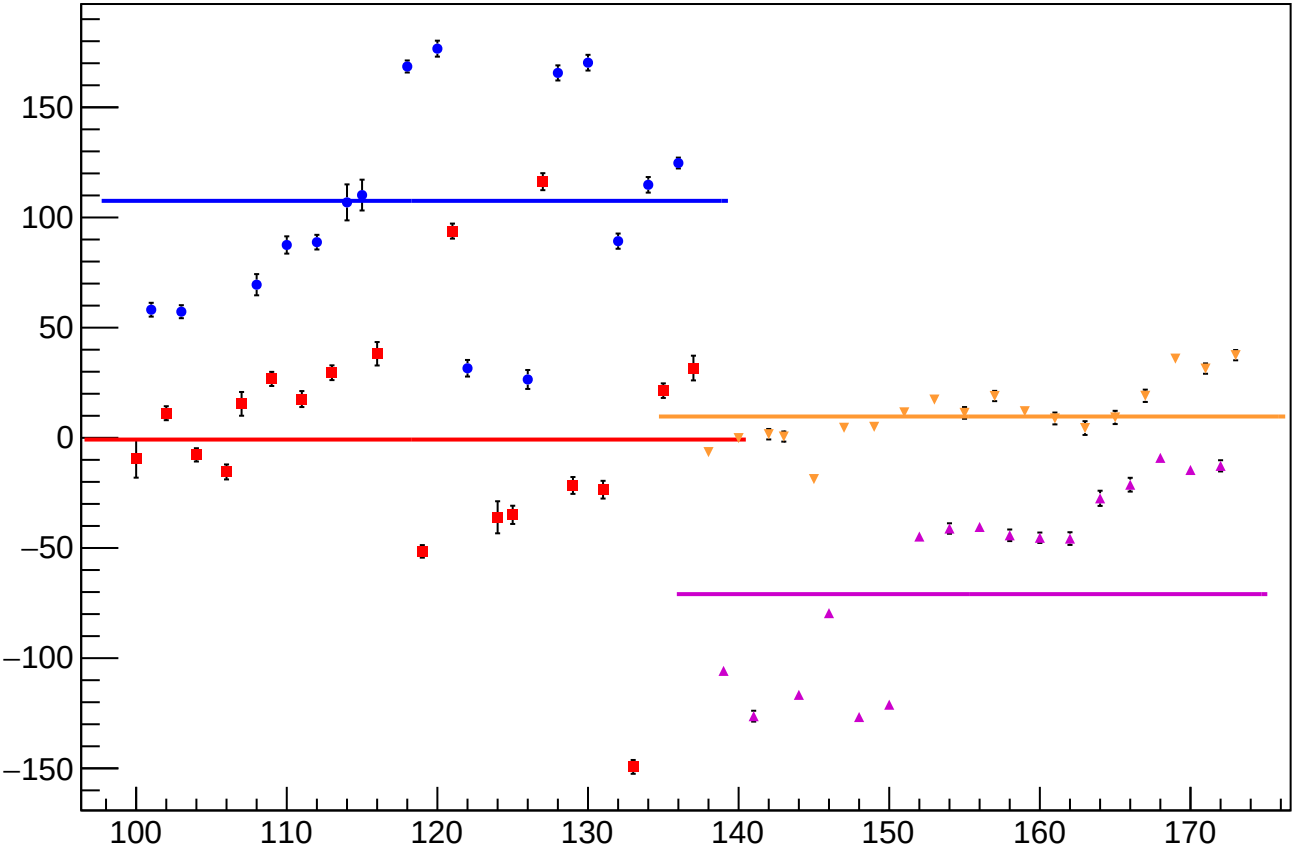
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 727.701+/-0.113 χ^2/NDF:571684.4/32

Out: 728.914+/-0.109 χ^2/NDF:581170.0/37

All: 728.325+/-0.078 χ^2/NDF: 1152914.0/70

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 9.672+/-0.514 χ^2/NDF:729.2/18

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -70.939+/-0.532 χ^2/NDF:6423.3/16

Left: -29.294+/-0.370 χ^2/NDF: 19028.0/35

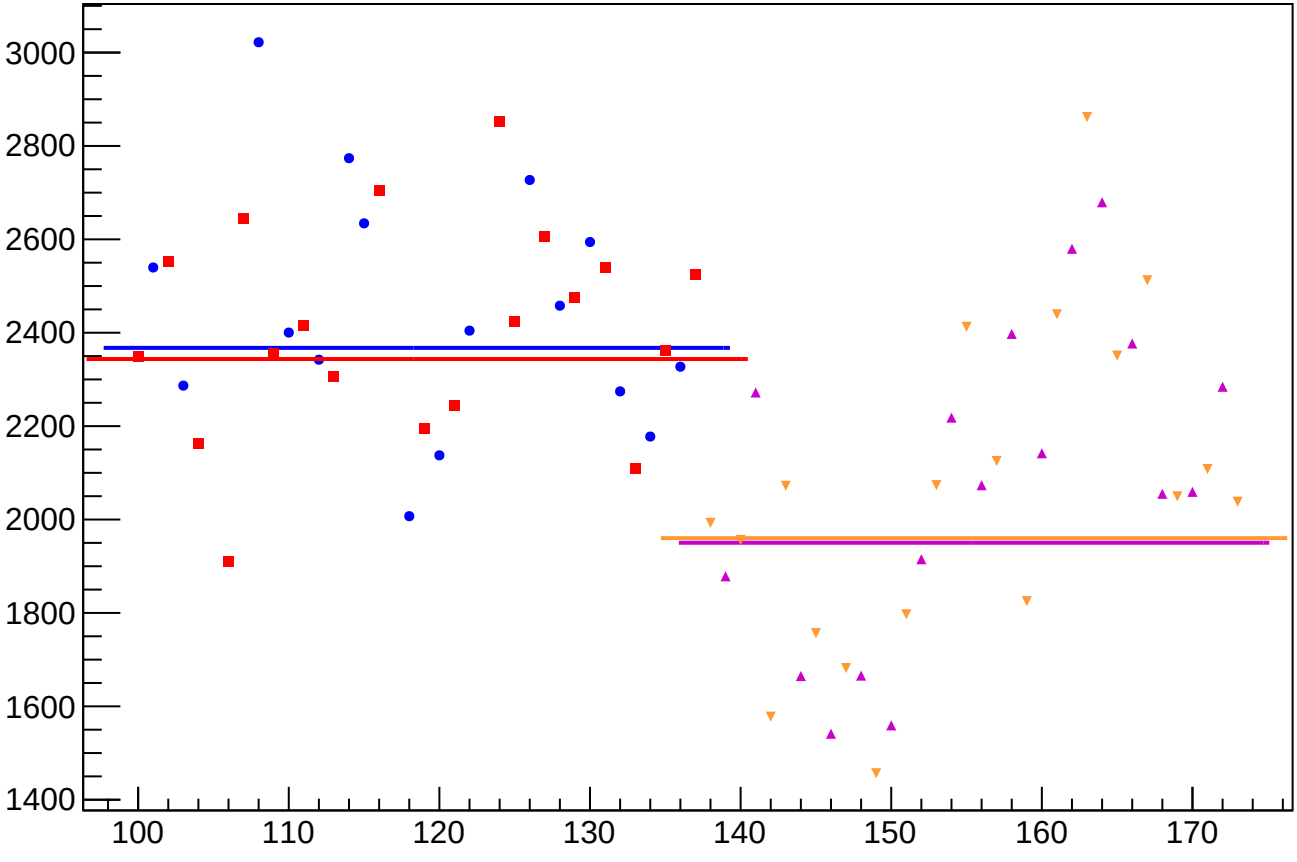
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -23.630+/-0.456 χ^2/NDF:39250.0/32

Out: 6.920+/-0.441 χ^2/NDF:5602.0/37

All: -7.868+/-0.317 χ^2/NDF: 47169.7/70

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1960.180+/-0.364 χ^2/NDF:772427.5/18

Right Out: 2343.704+/-0.609 χ^2/NDF: 112274.4/18

Left In: 1950.292+/-0.376 χ^2/NDF:742858.6/16

Left: 1955.400+/-0.261 χ^2/NDF: 1515643.5/35

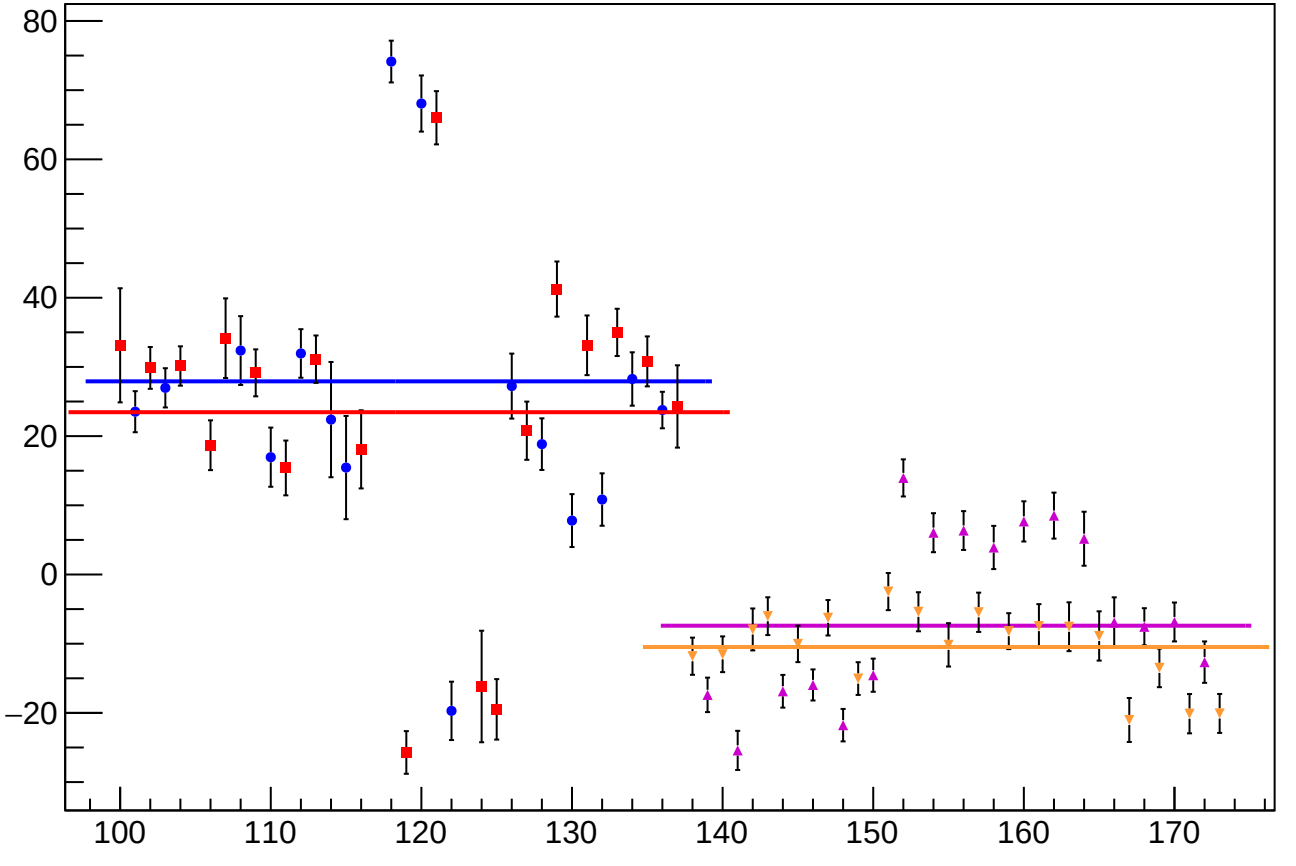
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2060.911+/-0.322 χ^2/NDF:1196246.2/32

Out: 2061.066+/-0.312 χ^2/NDF:1177271.2/37

All: 2060.991+/-0.224 χ^2/NDF: 2373517.6/70

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -10.480+/-0.648 χ^2/NDF:63.5/18

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -7.398+/-0.668 χ^2/NDF:320.4/16

Left: -8.986+/-0.465 χ^2/NDF: 394.8/35

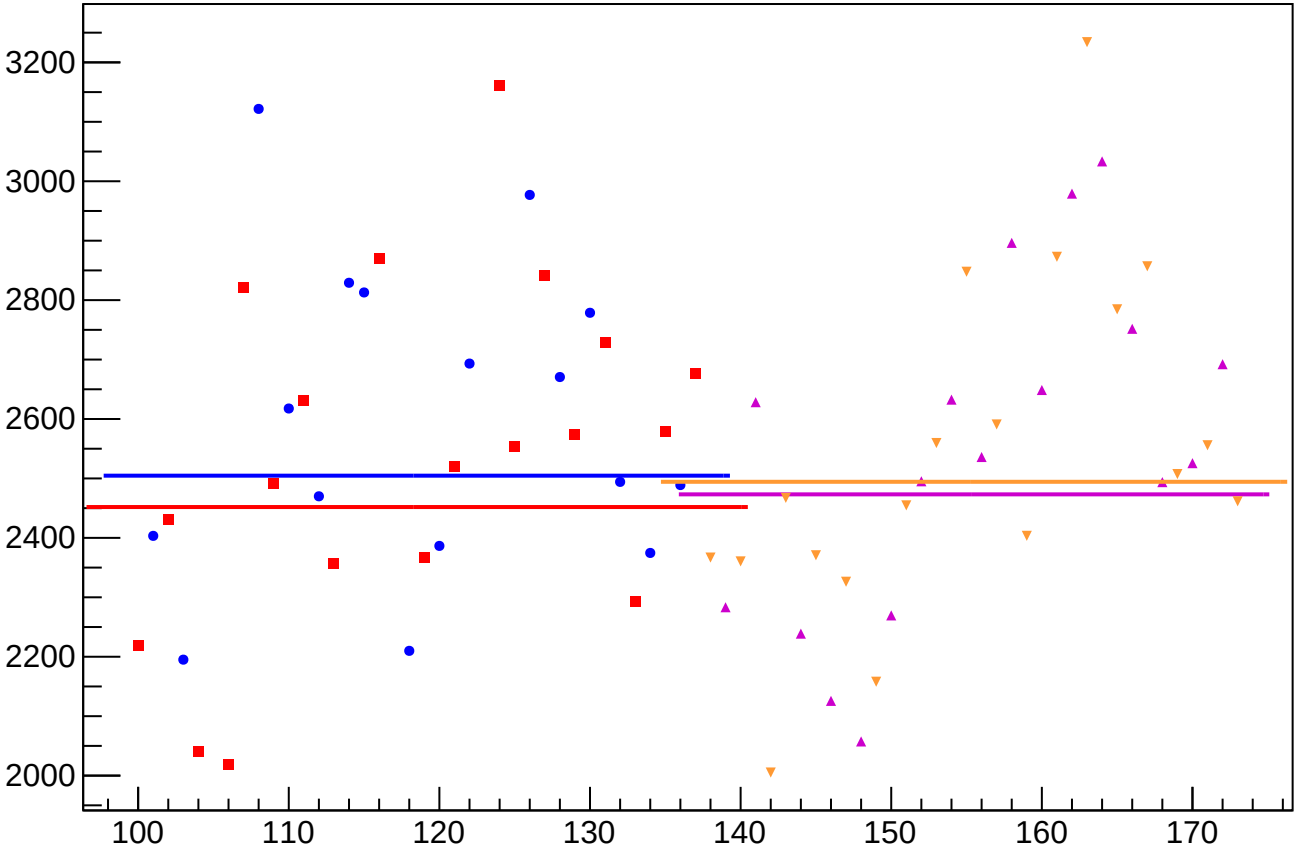
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 4.506+/-0.544 χ^2/NDF:1793.1/32

Out: 1.061+/-0.526 χ^2/NDF:1564.3/37

All: 2.727+/-0.378 χ^2/NDF: 3378.1/70

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2494.355+/-0.458 χ^2/NDF:304448.5/18

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2473.218+/-0.472 χ^2/NDF:324764.9/16

Left: 2484.108+/-0.329 χ^2/NDF: 630245.2/35

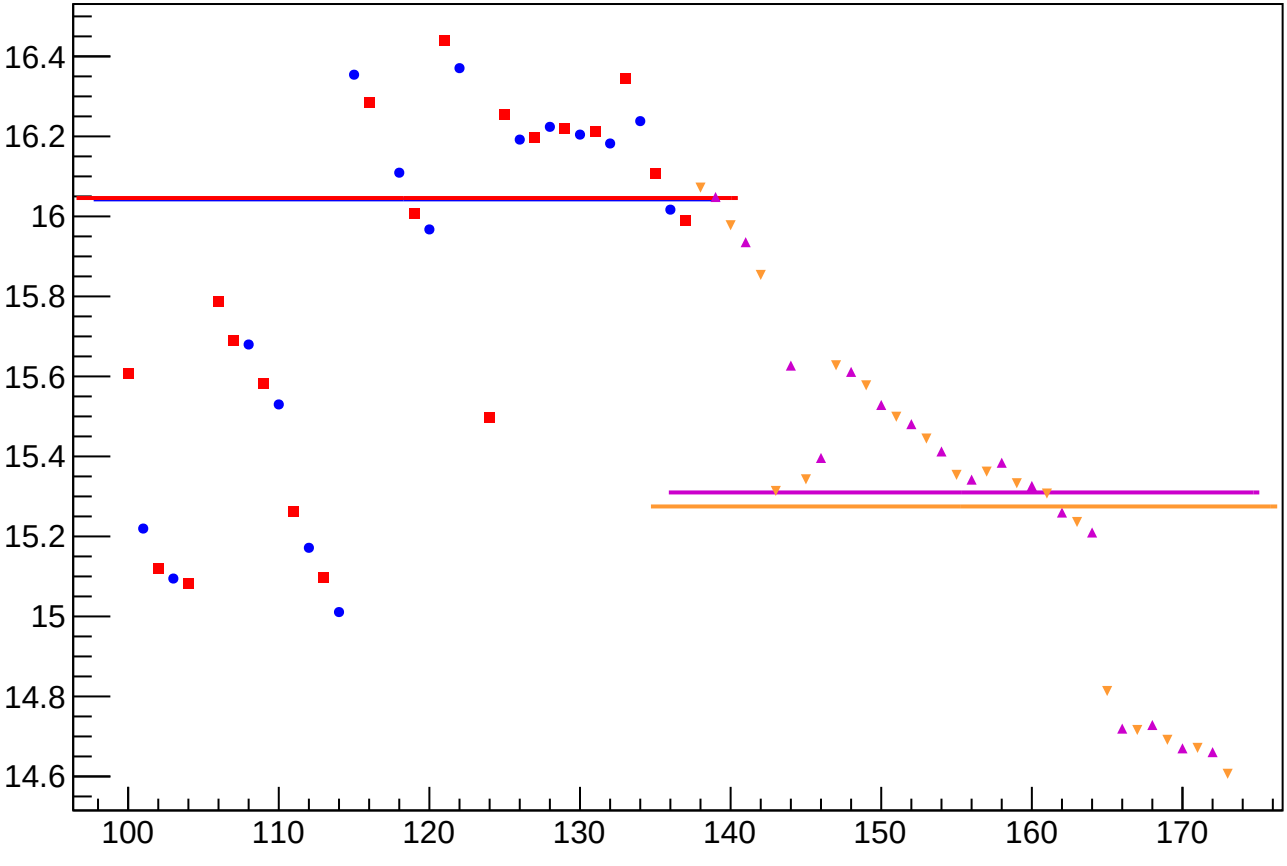
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2483.814+/-0.385 χ^2/NDF:452857.0/32

Out: 2479.911+/-0.372 χ^2/NDF:460608.4/37

All: 2481.799+/-0.267 χ^2/NDF: 913518.7/70

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.275+/-0.000 χ^2/NDF:24199897473.4/18

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.310+/-0.000 χ^2/NDF:20063414229.0/16

Left: 15.291+/-0.000 χ^2/NDF: 44336228073.4/35

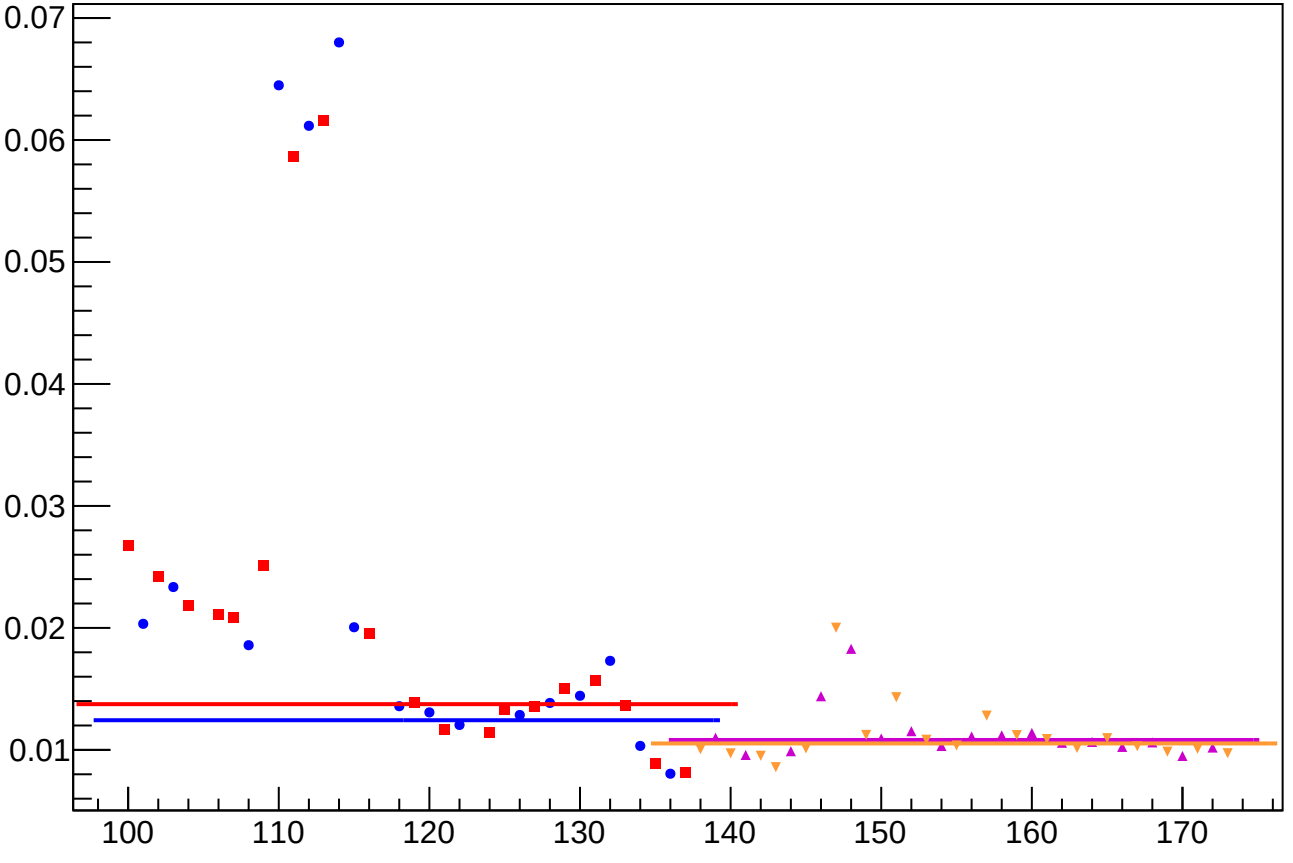
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.487+/-0.000 χ^2/NDF:37407968792.5/32

Out: 15.423+/-0.000 χ^2/NDF:42201808043.7/37

All: 15.454+/-0.000 χ^2/NDF: 79917450505.2

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:663348.6/18

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:464606.9/16

Left: 0.011+/-0.000 χ^2/NDF: 1137685.0/35

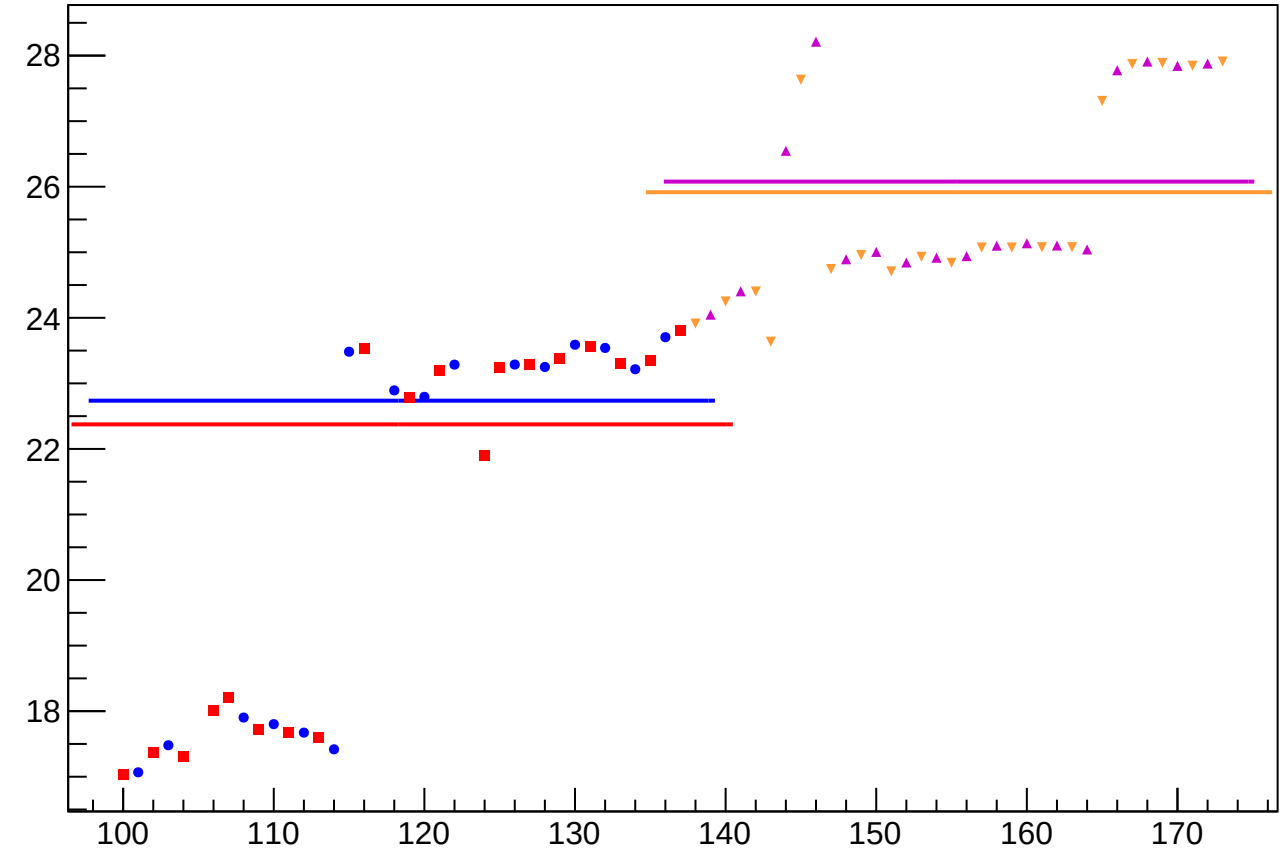
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.011+/-0.000 χ^2/NDF:2923158.0/32

Out: 0.011+/-0.000 χ^2/NDF:3399005.8/37

All: 0.011+/-0.000 χ^2/NDF: 6322665.9/70

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 25.916+/-0.000 χ^2/NDF:2653670797.8/18

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 26.078+/-0.000 χ^2/NDF:1891251247.9/16

Left: 25.992+/-0.000 χ^2/NDF: 4557856216.5/35

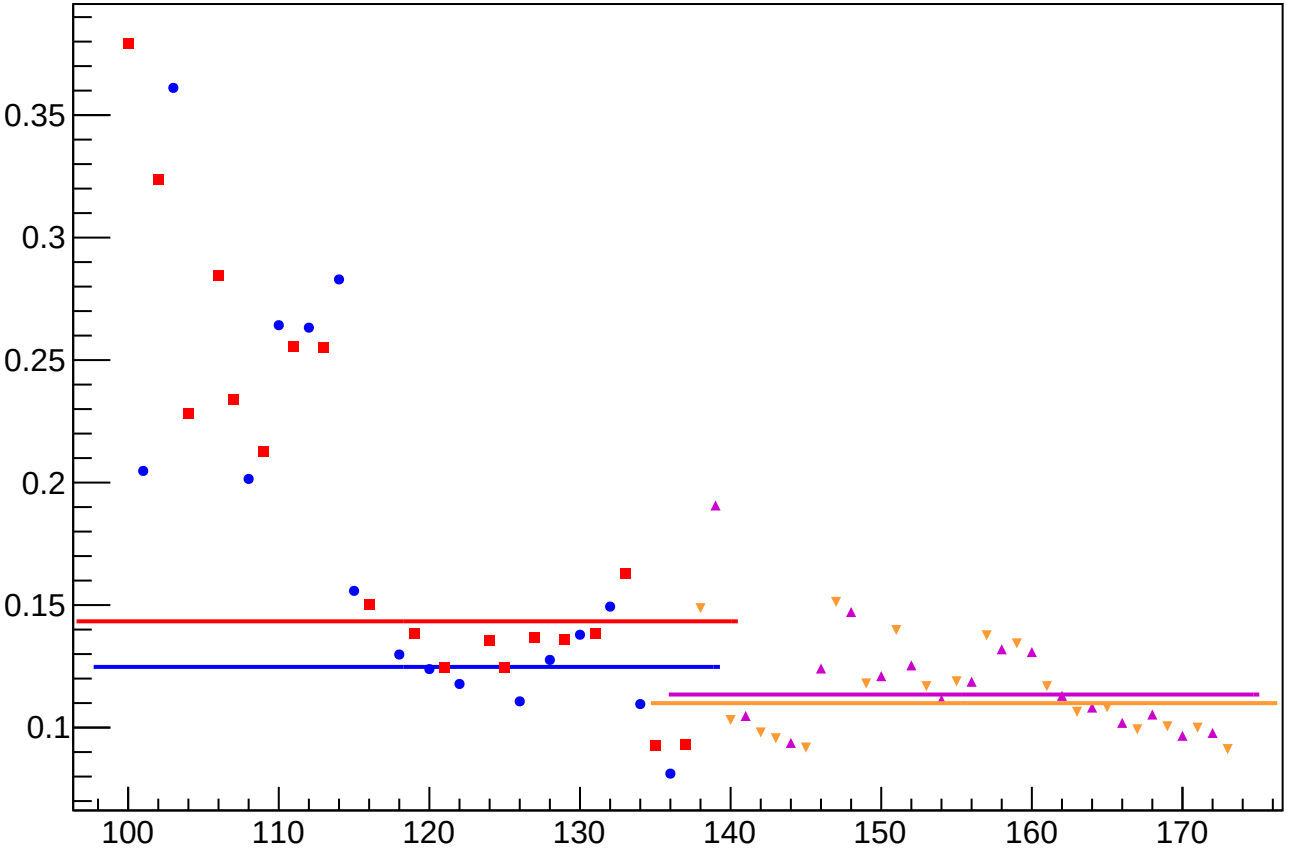
Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 25.176+/-0.000 χ^2/NDF:5913239119.0/32

Out: 25.176+/-0.000 χ^2/NDF:6642361840.3/37

All: 25.176+/-0.000 χ^2/NDF: 12555600959.6

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.110+/-0.000 χ^2/NDF:609948.3/18

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.113+/-0.000 χ^2/NDF:624619.0/16

Left: 0.112+/-0.000 χ^2/NDF: 1246844.6/35

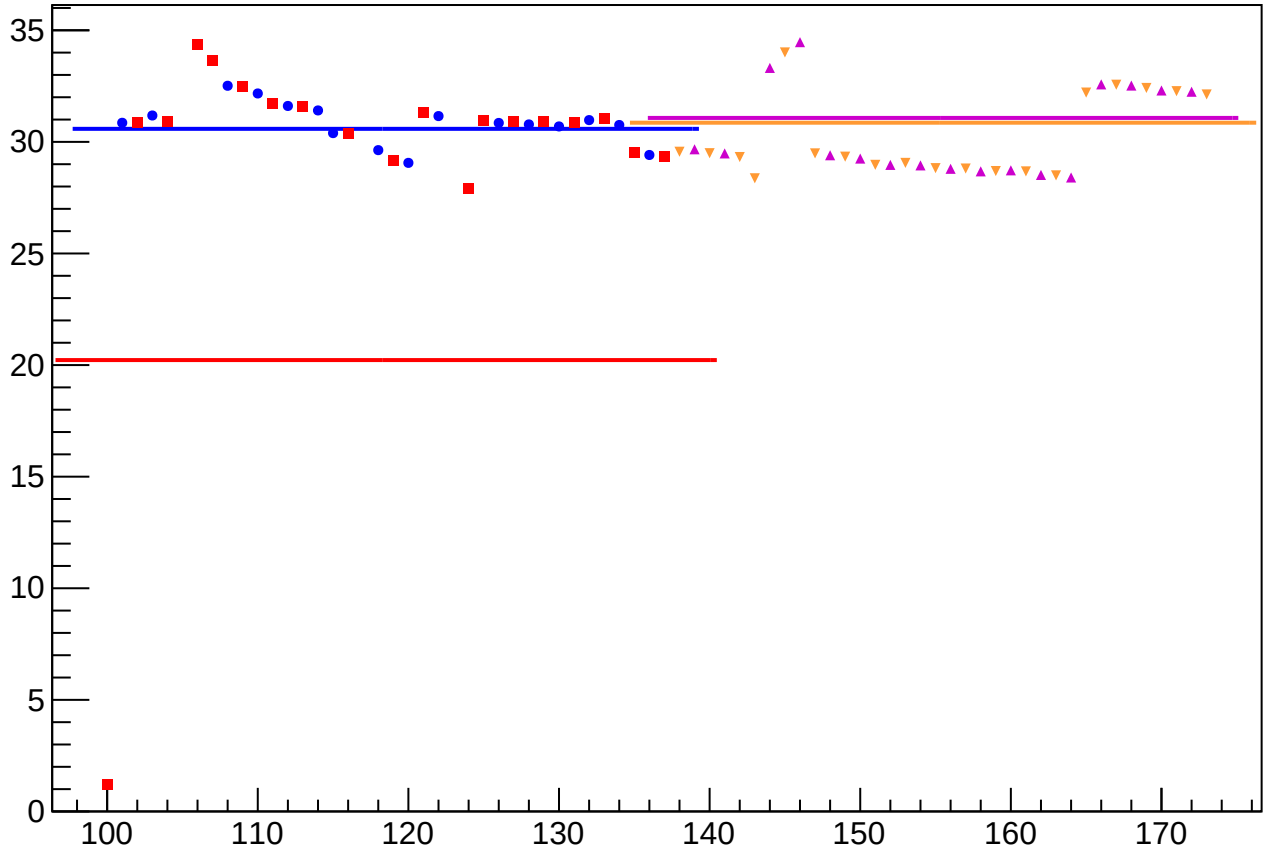
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.117+/-0.000 χ^2/NDF:2438188.9/32

Out: 0.117+/-0.000 χ^2/NDF:2673384.5/37

All: 0.117+/-0.000 χ^2/NDF: 5111799.3/70

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.859+/-0.000 χ^2/NDF:11450969390.1/18

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 31.074+/-0.000 χ^2/NDF:12153881394.1/16

Left: 30.962+/-0.000 χ^2/NDF: 23673831969.8/35

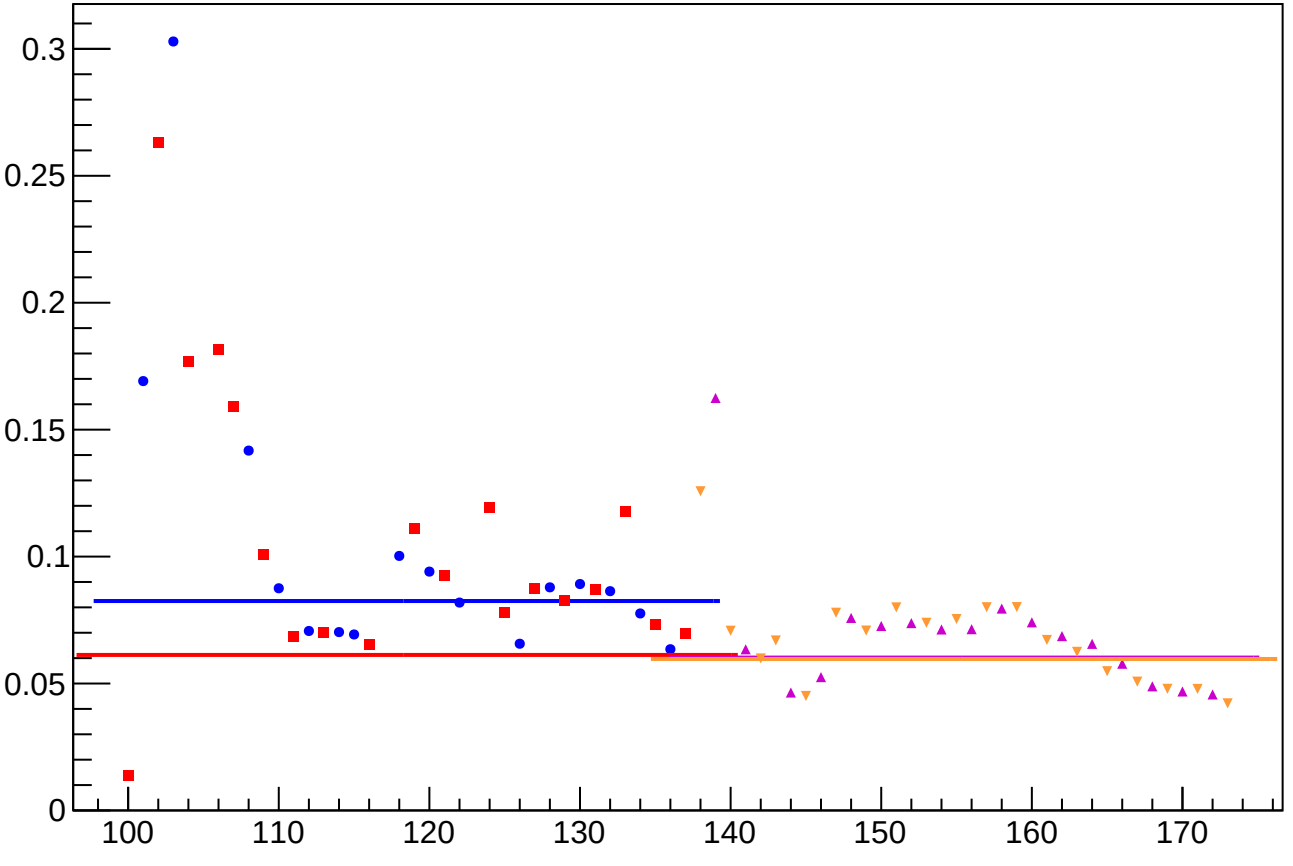
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 30.970+/-0.000 χ^2/NDF:12952031401.5/32

Out: 28.131+/-0.000 χ^2/NDF:324217212822.1/37

All: 29.444+/-0.000 χ^2/NDF: 352985870694.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.060+/-0.000 χ^2/NDF:1449297.0/18

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.060+/-0.000 χ^2/NDF:1478665.9/16

Left: 0.060+/-0.000 χ^2/NDF: 2928878.8/35

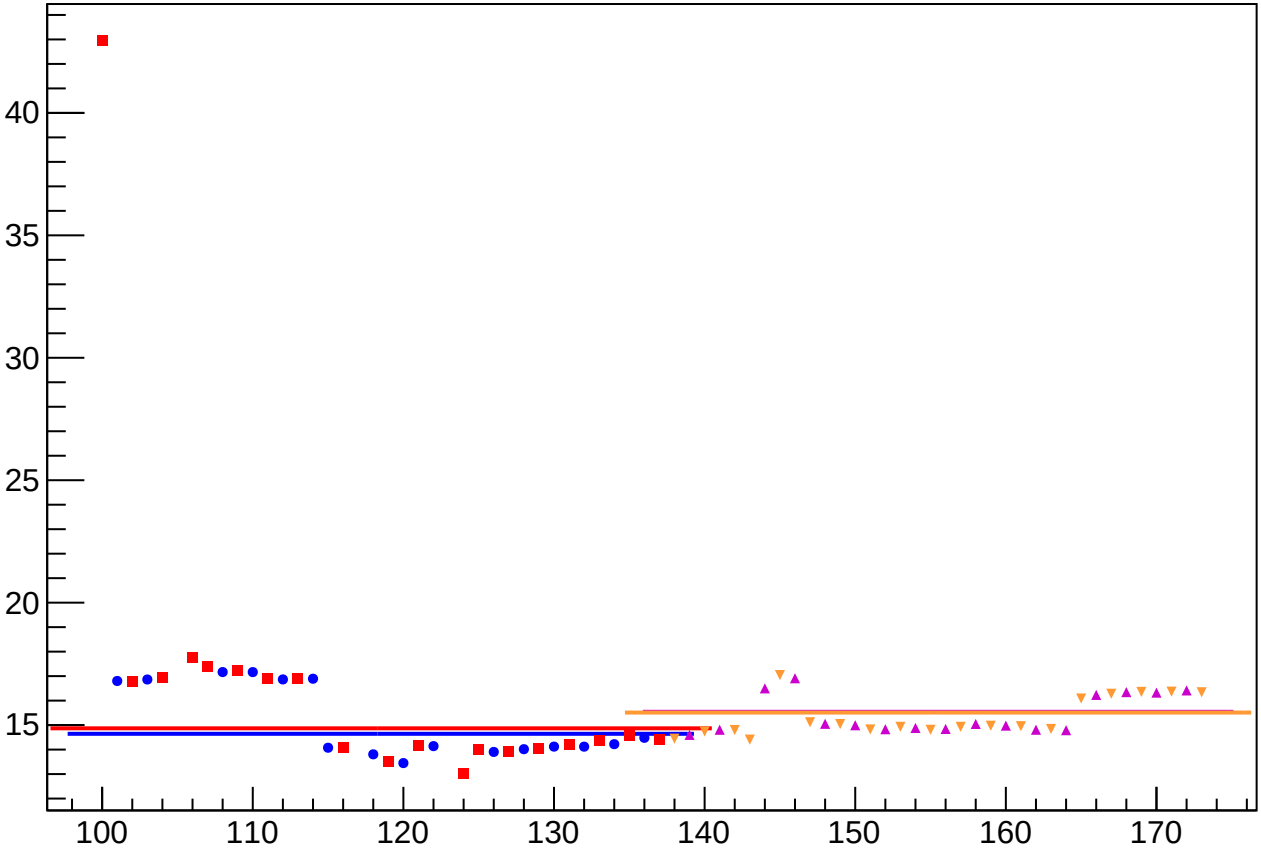
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.065+/-0.000 χ^2/NDF:3345517.2/32

Out: 0.060+/-0.000 χ^2/NDF:5467720.4/37

All: 0.062+/-0.000 χ^2/NDF: 8906082.9/70

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.513+/-0.000 χ^2/NDF:2027682650.1/18

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 15.543+/-0.000 χ^2/NDF:1658604997.6/16

Left: 15.527+/-0.000 χ^2/NDF: 3687620833.5/35

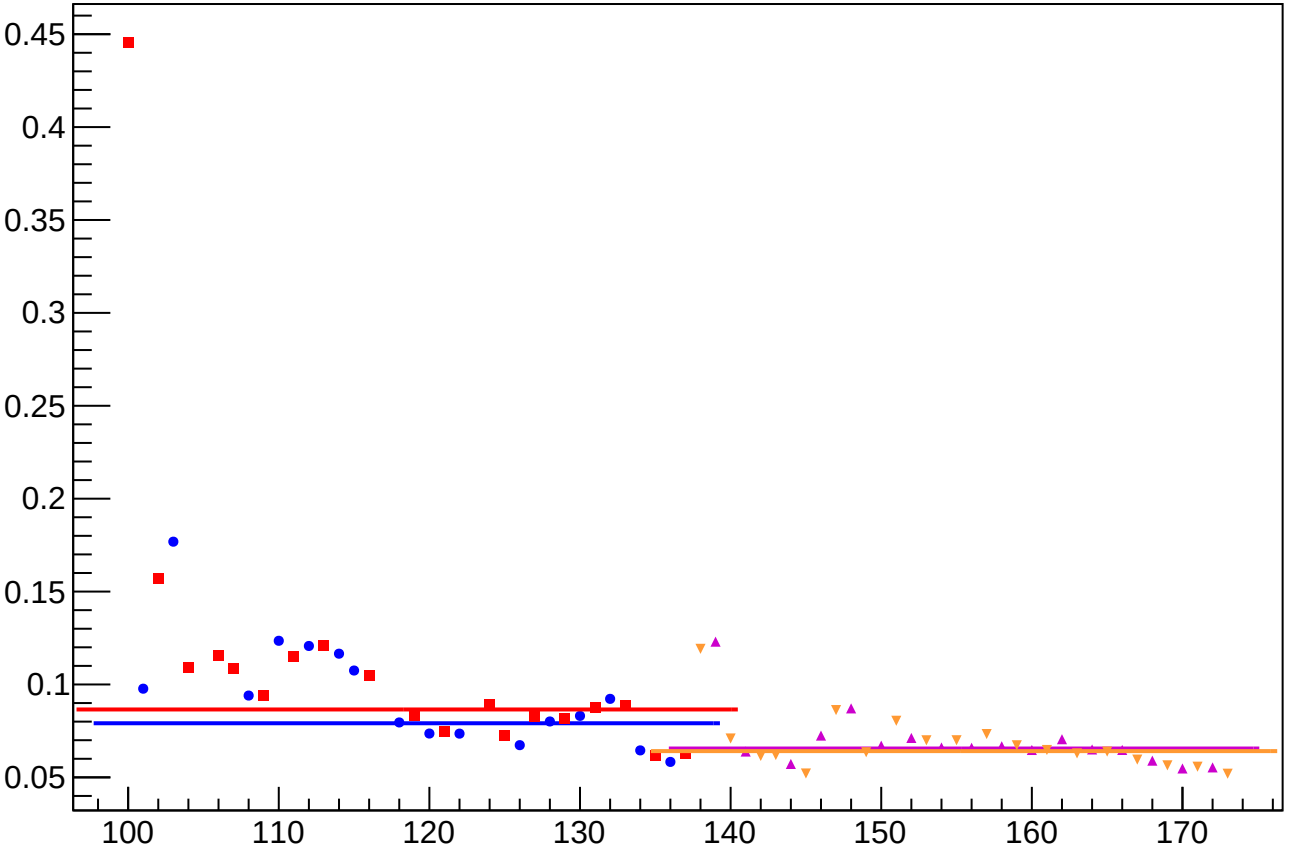
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.314+/-0.000 χ^2/NDF:3416835867.4/32

Out: 15.376+/-0.000 χ^2/NDF:4026234783.5/37

All: 15.346+/-0.000 χ^2/NDF: 7450437078.7/7

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.064+/-0.000 χ^2/NDF:733966.5/18

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.066+/-0.000 χ^2/NDF:632371.4/16

Left: 0.065+/-0.000 χ^2/NDF: 1371935.5/35

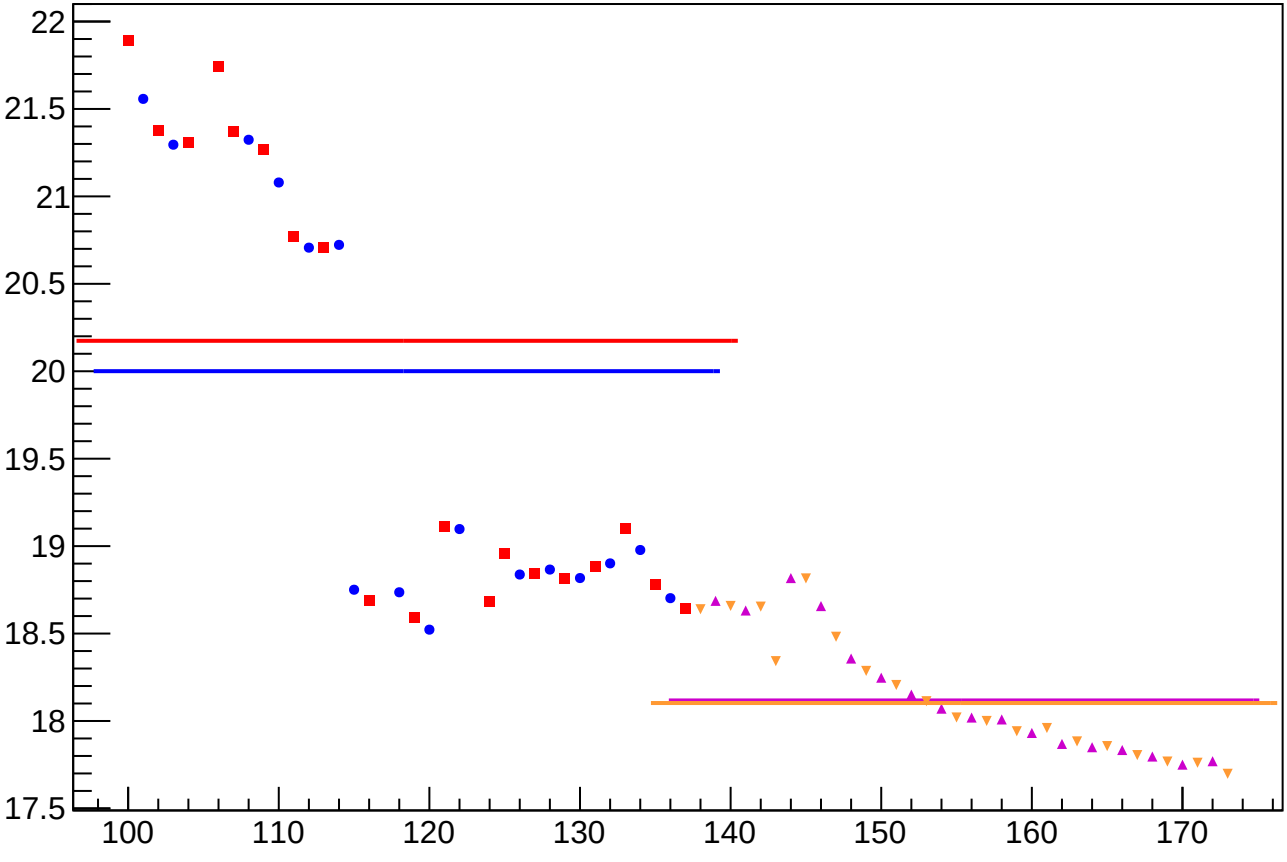
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.069+/-0.000 χ^2/NDF:1809093.3/32

Out: 0.069+/-0.000 χ^2/NDF:2176957.6/37

All: 0.069+/-0.000 χ^2/NDF: 3986101.9/70

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.103+/-0.000 χ^2/NDF:1719667049.3/18

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.117+/-0.000 χ^2/NDF:1611290655.5/16

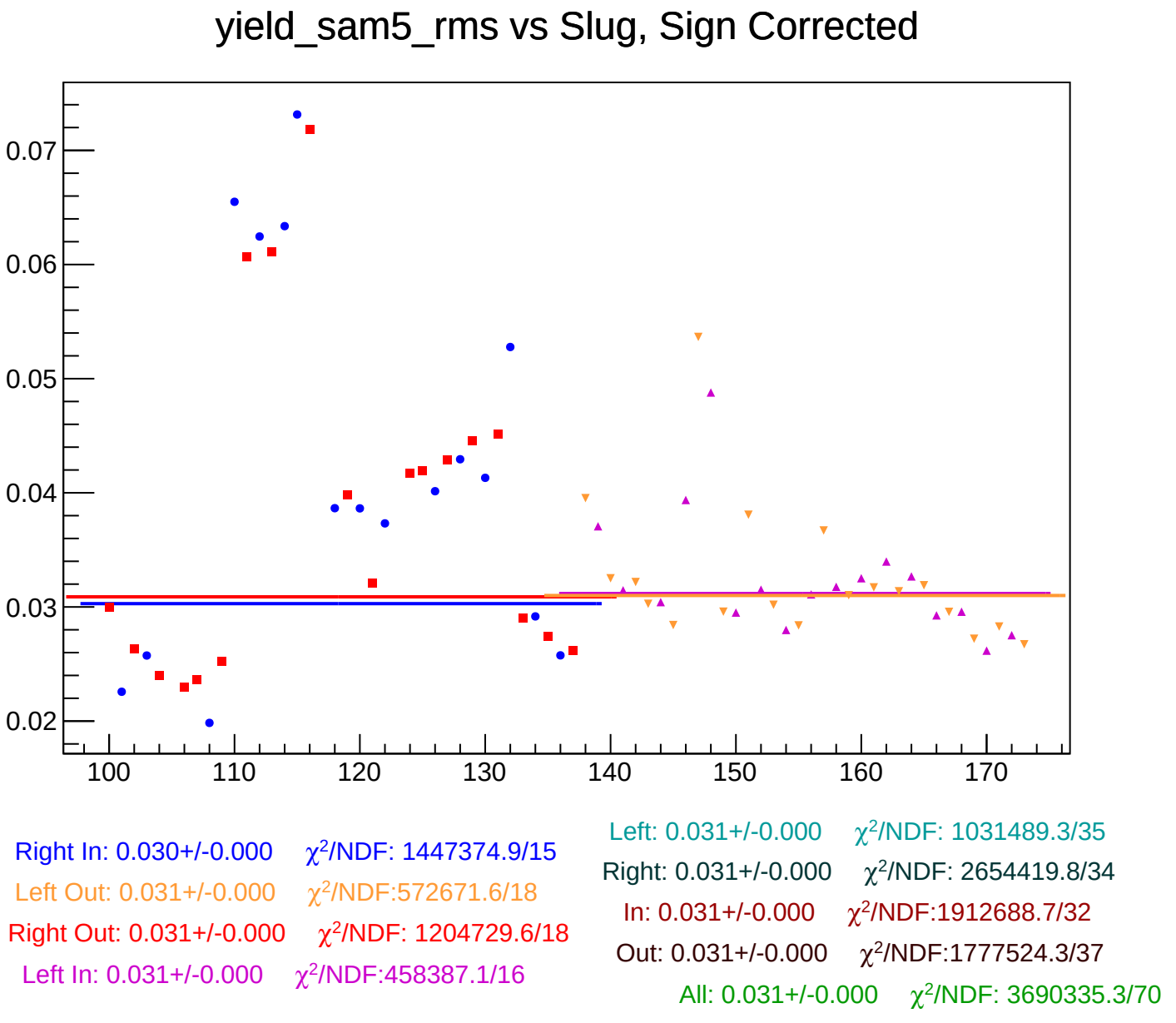
Left: 18.110+/-0.000 χ^2/NDF: 3332499167.9/35

Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

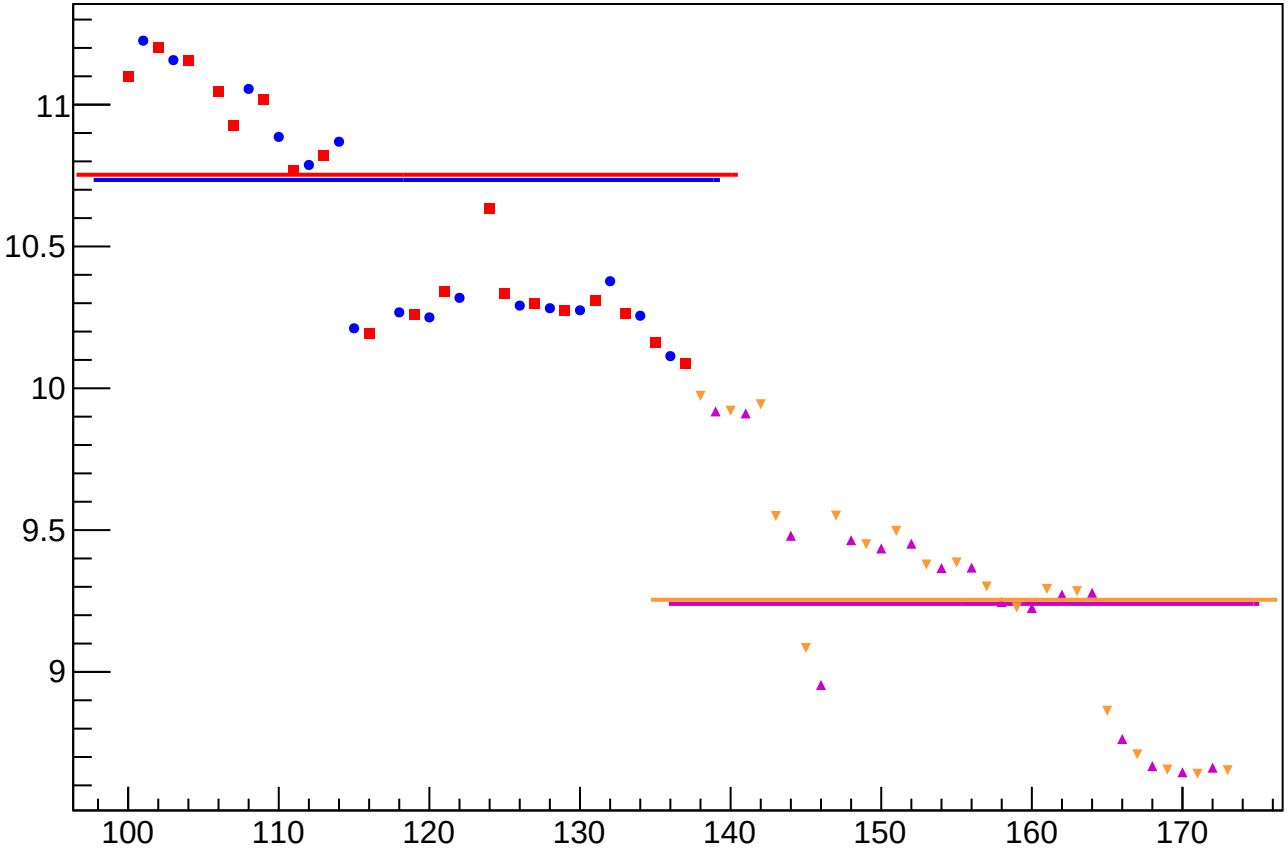
In: 18.727+/-0.000 χ^2/NDF:28077315598.6/32

Out: 18.738+/-0.000 χ^2/NDF:31541506117.8/37

All: 18.733+/-0.000 χ^2/NDF: 59620089662.2


yield_sam5_rms vs Slug, Sign Corrected
0.07
0.06
0.05
0.04
0.03
0.02
100
110
120
130
140
150
160
170
Right In: 0.030+/-0.000 χ²/NDF: 1447374.9/15
Left Out: 0.031+/-0.000 χ²/NDF:572671.6/18
Right Out: 0.031+/-0.000 χ²/NDF: 1204729.6/18
Left In: 0.031+/-0.000 χ²/NDF:458387.1/16
Left: 0.031+/-0.000 χ²/NDF: 1031489.3/35
Right: 0.031+/-0.000 χ²/NDF: 2654419.8/34
In: 0.031+/-0.000 χ²/NDF:1912688.7/32
Out: 0.031+/-0.000 χ²/NDF:1777524.3/37
All: 0.031+/-0.000 χ²/NDF: 3690335.3/70

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.254+/-0.000 χ^2/NDF:6290416483.8/18

Right Out: 10.753+/-0.000 χ^2/NDF: 4344265704.2/18

Left In: 9.240+/-0.000 χ^2/NDF:4669443137.6/16

Left: 9.248+/-0.000 χ^2/NDF: 10963419621.4/35

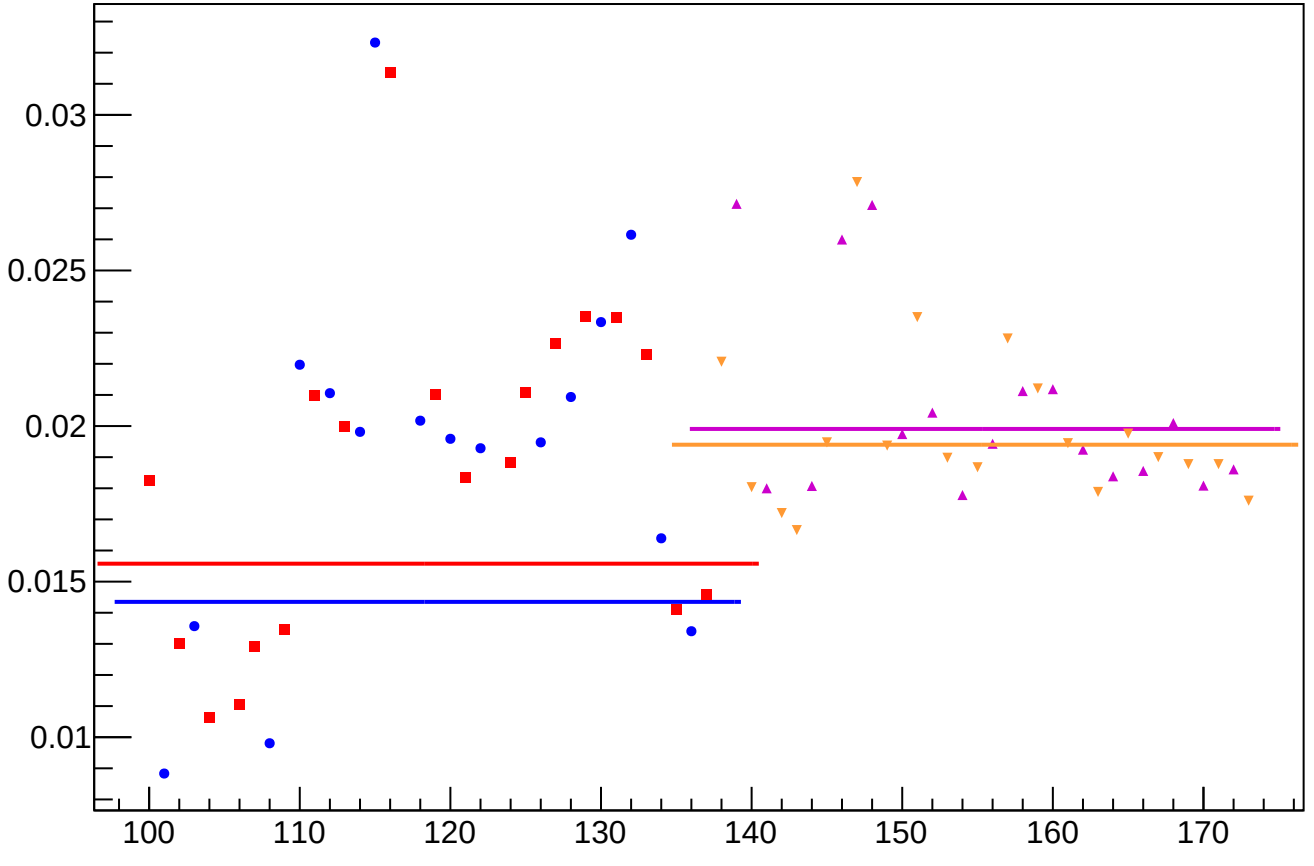
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 9.933+/-0.000 χ^2/NDF:43640591415.5/32

Out: 9.874+/-0.000 χ^2/NDF:44224445675.6/37

All: 9.903+/-0.000 χ^2/NDF: 87968737754.9/7

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.019+/-0.000 χ^2/NDF:353386.1/18

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.020+/-0.000 χ^2/NDF:425893.4/16

Left: 0.020+/-0.000 χ^2/NDF: 787996.9/35

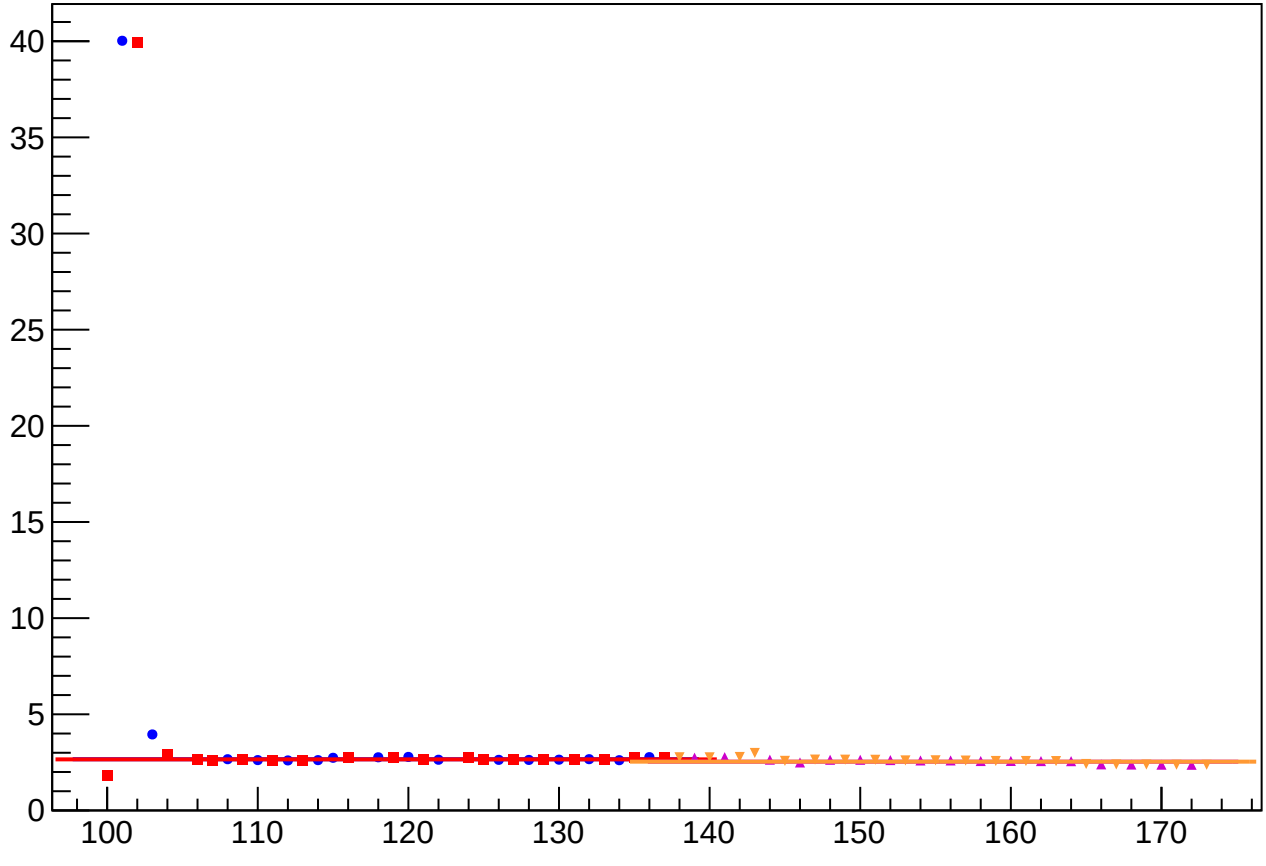
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.017+/-0.000 χ^2/NDF:2822927.1/32

Out: 0.018+/-0.000 χ^2/NDF:1862783.0/37

All: 0.018+/-0.000 χ^2/NDF: 4700132.4/70

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.537+/-0.000 χ^2/NDF:66681457165.9/18

Right Out: 2.656+/-0.000 χ^2/NDF: 65056887880.1/18

Left In: 2.535+/-0.000 χ^2/NDF:39357172414.1/16

Left: 2.536+/-0.000 χ^2/NDF: 106047699568.2/35

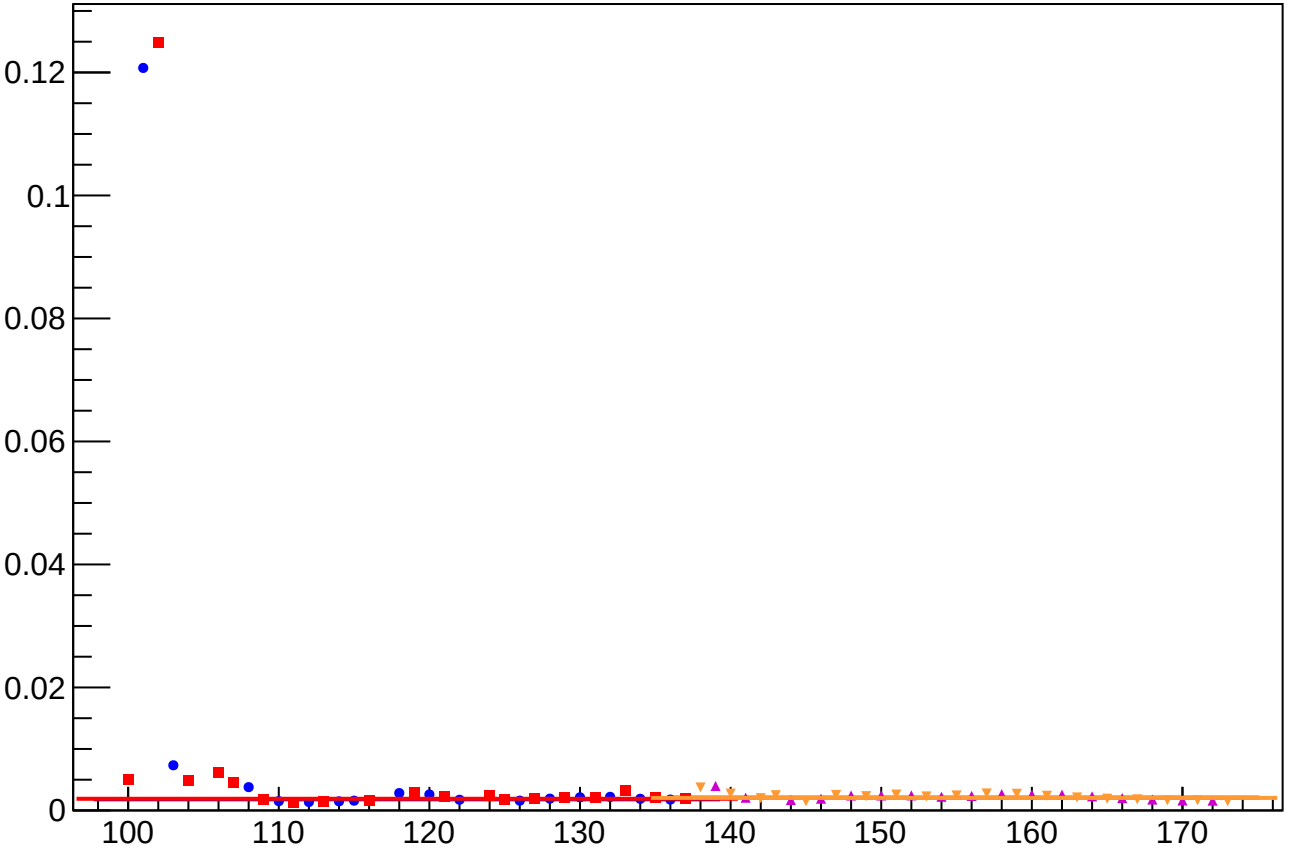
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.581+/-0.000 χ^2/NDF:122558110026.0/32

Out: 2.576+/-0.000 χ^2/NDF:145099011007.3/37

All: 2.579+/-0.000 χ^2/NDF: 267703429216.8

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:1370488.6/18

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:1030530.2/16

Left: 0.002+/-0.000 χ^2/NDF: 2407018.8/35

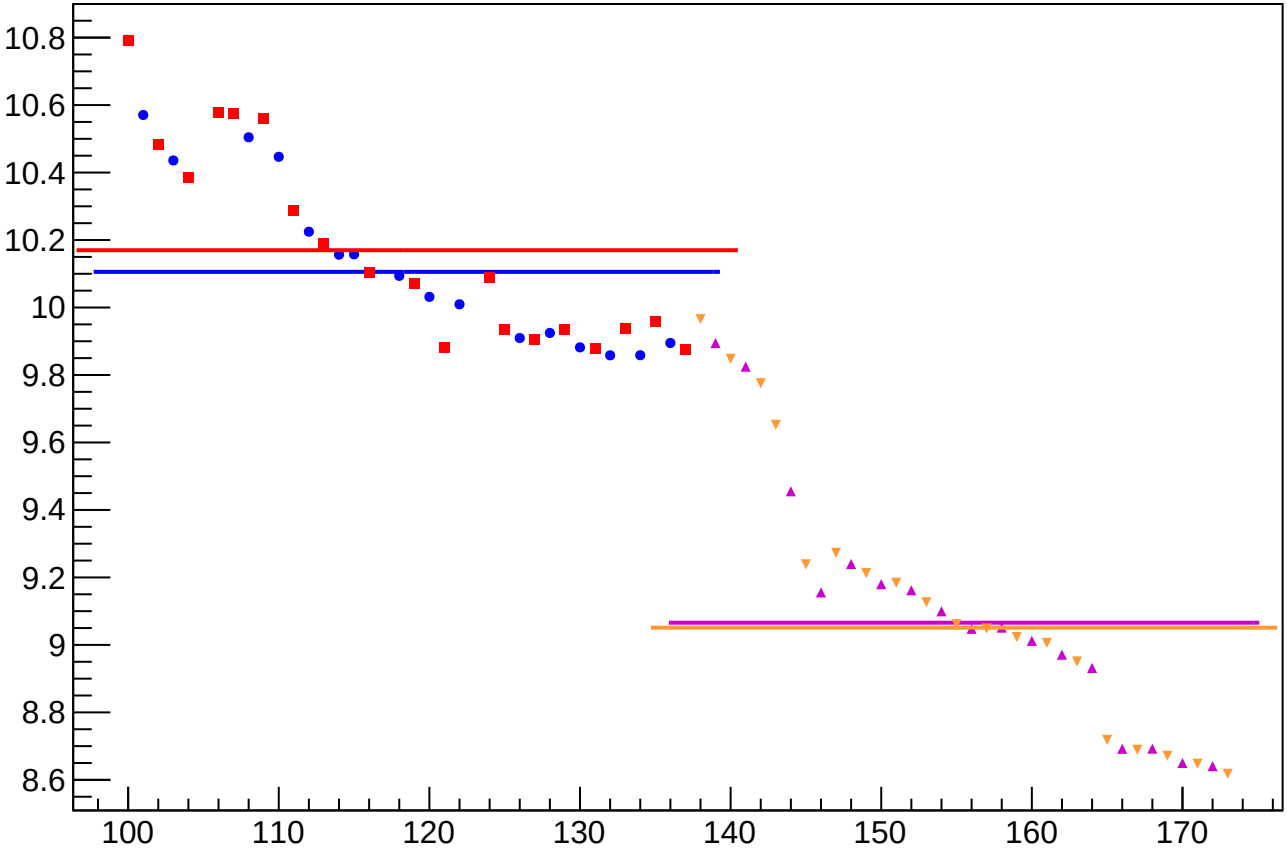
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:2990275.2/32

Out: 0.002+/-0.000 χ^2/NDF:3933201.8/37

All: 0.002+/-0.000 χ^2/NDF: 6923573.3/70

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.051+/-0.000 χ^2/NDF:43845790195.3/18

Right Out: 10.170+/-0.000 χ^2/NDF: 9135610954.1/18

Left In: 9.066+/-0.000 χ^2/NDF:33002776799.8/16

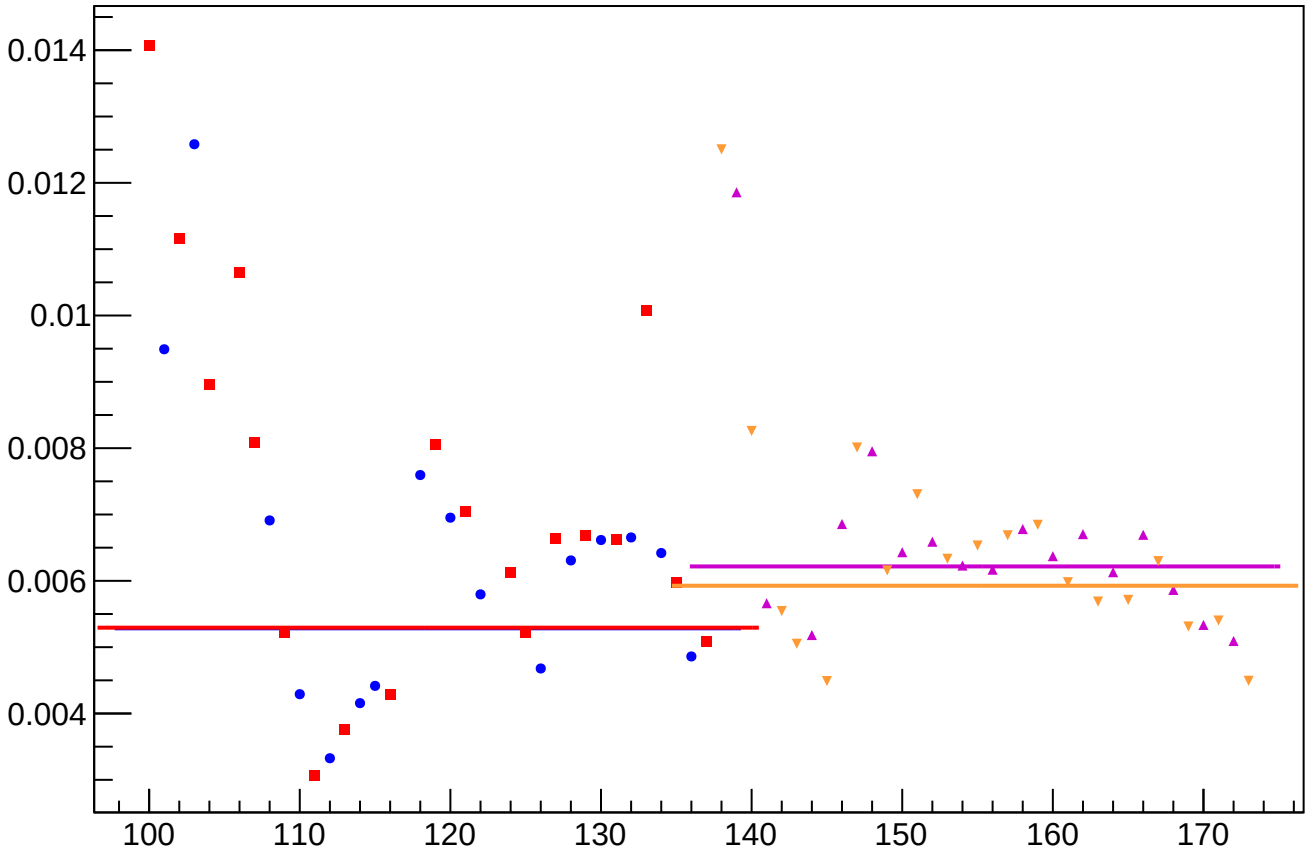
Left: 9.058+/-0.000 χ^2/NDF: 76882635604.8/35

Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.482+/-0.000 χ^2/NDF:167652258892.7/32

Out: 9.461+/-0.000 χ^2/NDF:209008950329.1/37

All: 9.471+/-0.000 χ^2/NDF: 376766999269.8



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:1030286.7/18

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.006+/-0.000 χ^2/NDF:636327.6/16

Left: 0.006+/-0.000 χ^2/NDF: 1693152.5/35

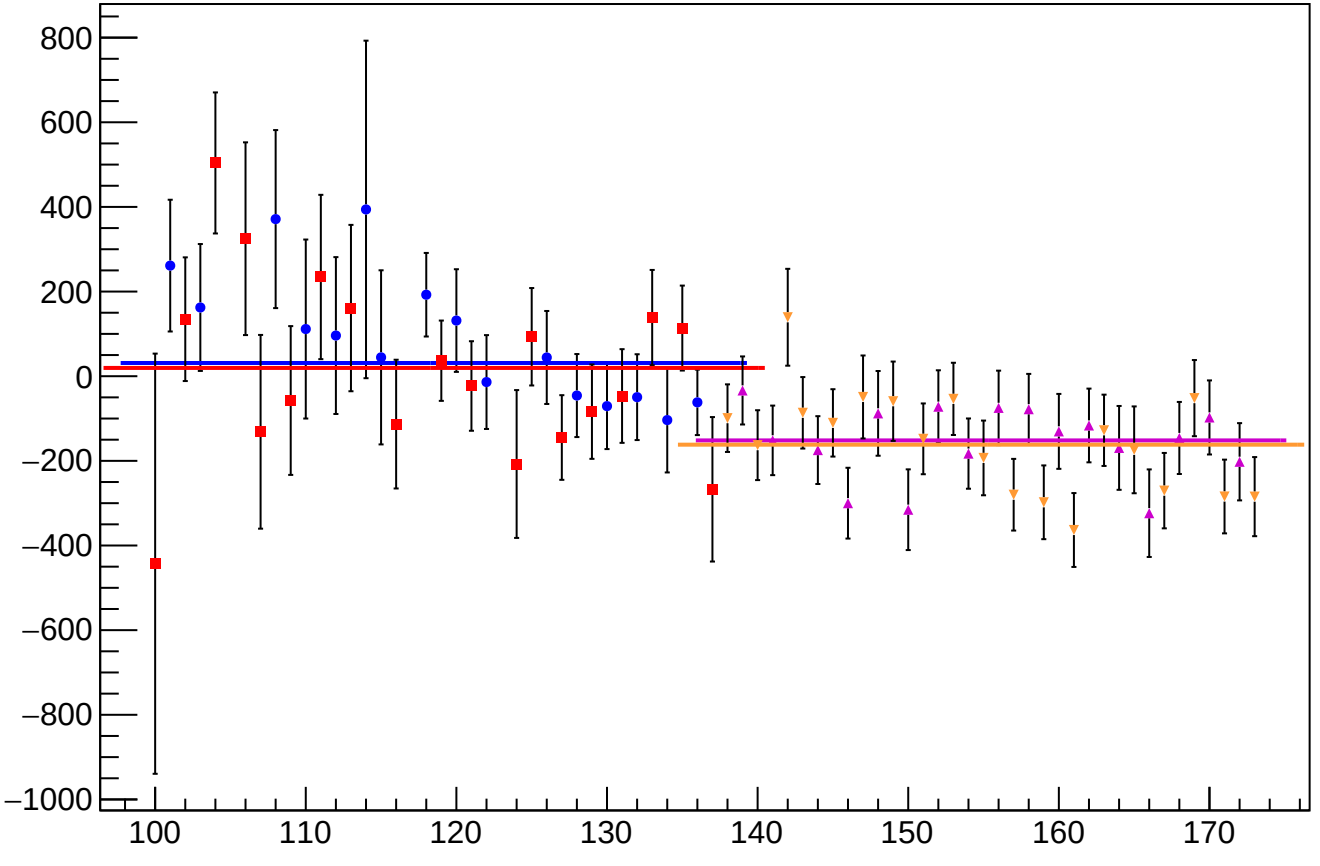
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:2112459.8/32

Out: 0.006+/-0.000 χ^2/NDF:2922188.5/37

All: 0.006+/-0.000 χ^2/NDF: 5046081.0/70

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -161.764+/-20.249 χ^2/NDF:29.6/18

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -151.686+/-21.281 χ^2/NDF:15.0/16

Left: -156.975+/-14.670 χ^2/NDF: 44.7/35

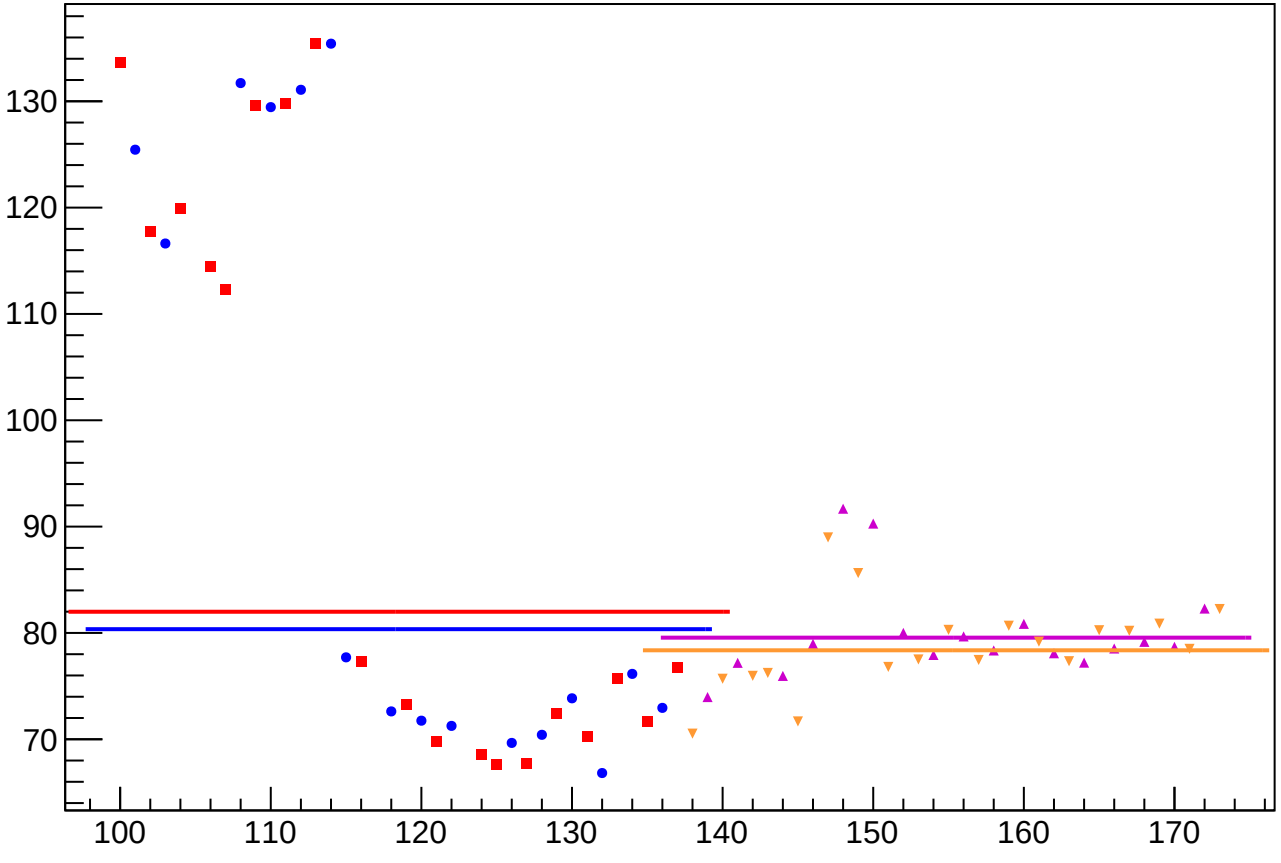
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -92.536+/-17.506 χ^2/NDF:54.0/32

Out: -107.675+/-16.963 χ^2/NDF:79.4/37

All: -100.344+/-12.182 χ^2/NDF: 133.8/70

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 78.367+/-0.014 χ^2/NDF:83613.4/18

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 79.556+/-0.015 χ^2/NDF:75716.2/16

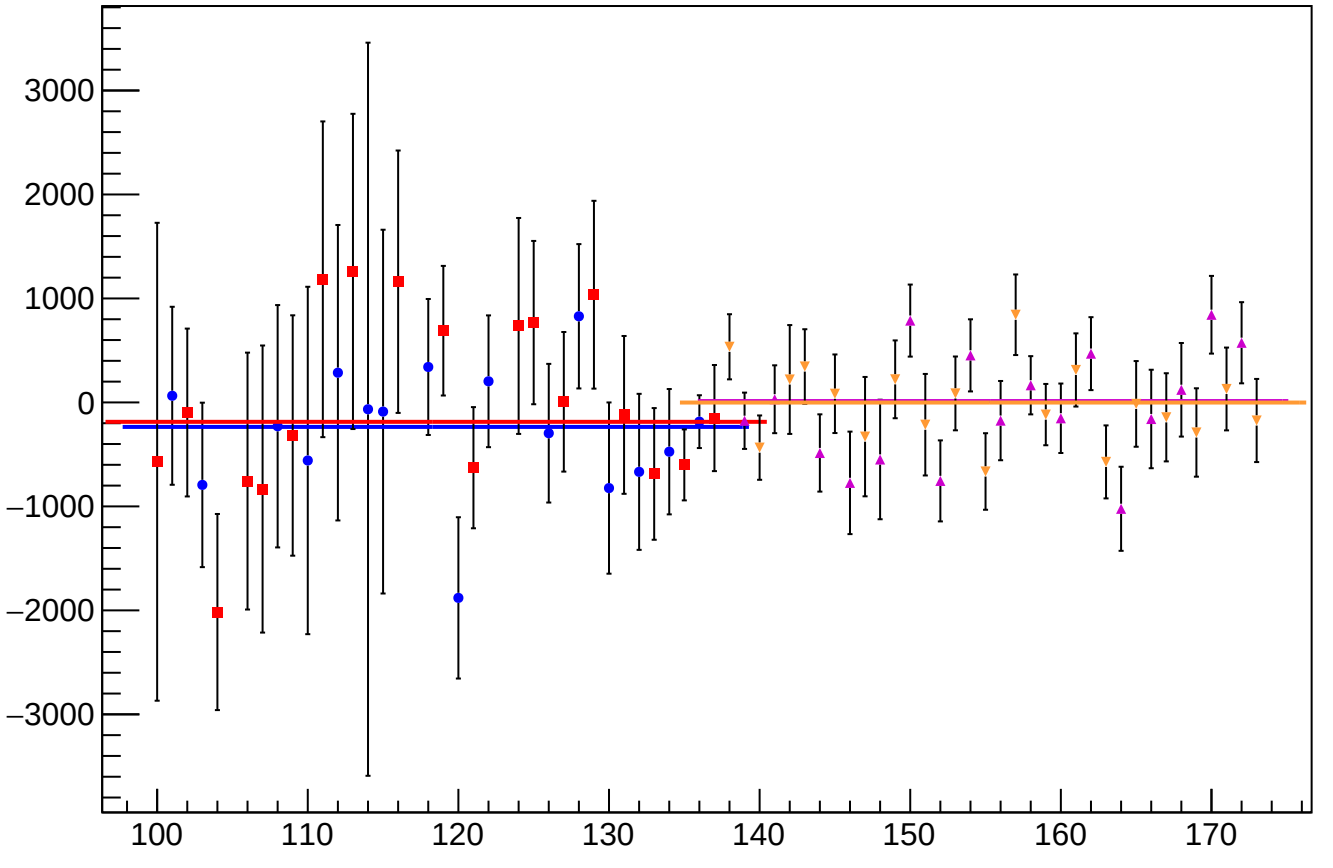
Left: 78.932+/-0.010 χ^2/NDF: 162605.4/35

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 79.814+/-0.012 χ^2/NDF:916665.3/32

Out: 79.449+/-0.012 χ^2/NDF:1035079.4/37

All: 79.625+/-0.009 χ^2/NDF: 1952194.1/70



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: -1.114+/-86.823 χ^2/NDF:19.4/18

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: 12.985+/-88.872 χ^2/NDF:32.5/16

Left: 5.771+/-62.105 χ^2/NDF: 52.0/35

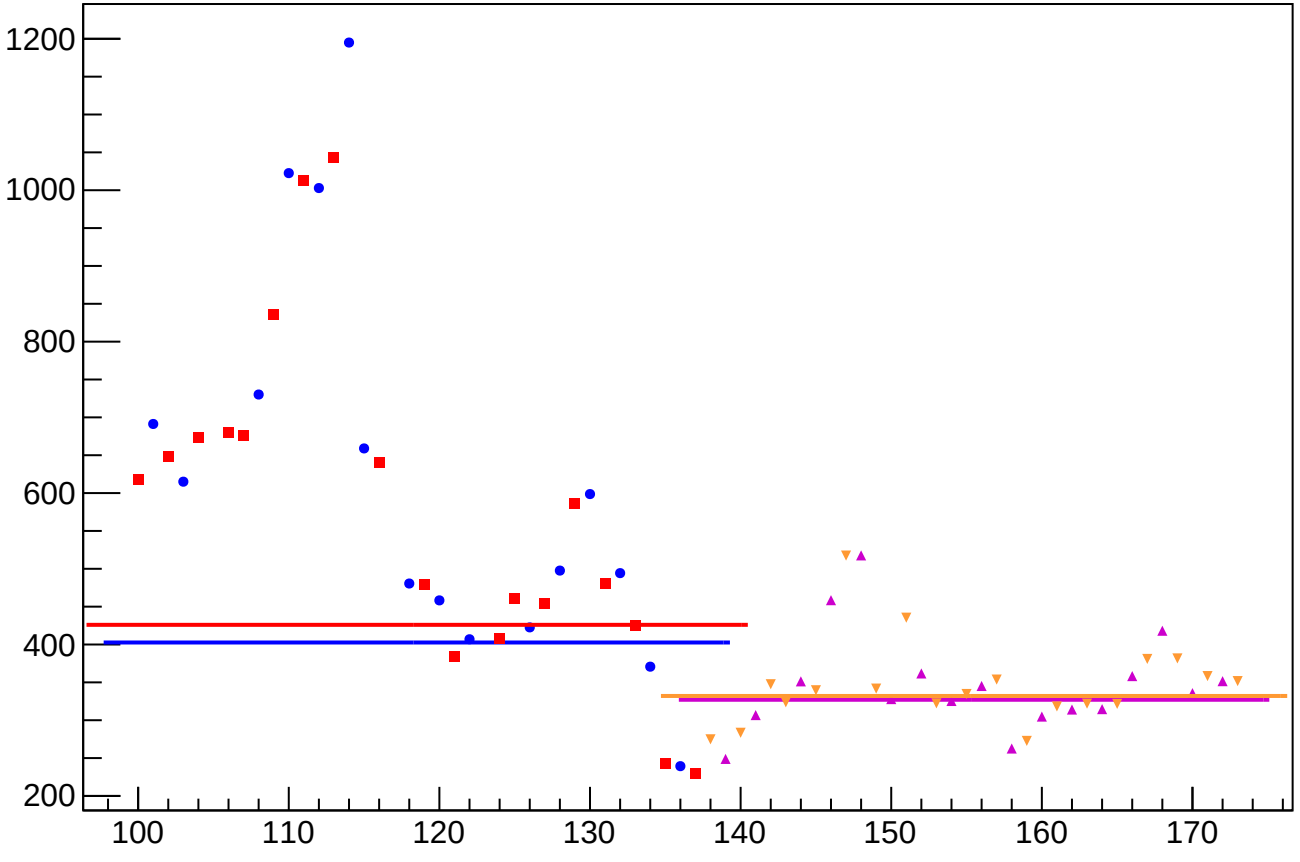
Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -43.551+/-78.112 χ^2/NDF:44.2/32

Out: -39.350+/-77.359 χ^2/NDF:36.3/37

All: -41.430+/-54.965 χ^2/NDF: 80.6/70

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 332.046+/-0.061 χ^2/NDF:581838.8/18

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 327.025+/-0.063 χ^2/NDF:784689.7/16

Left: 329.594+/-0.044 χ^2/NDF: 1369794.9/35

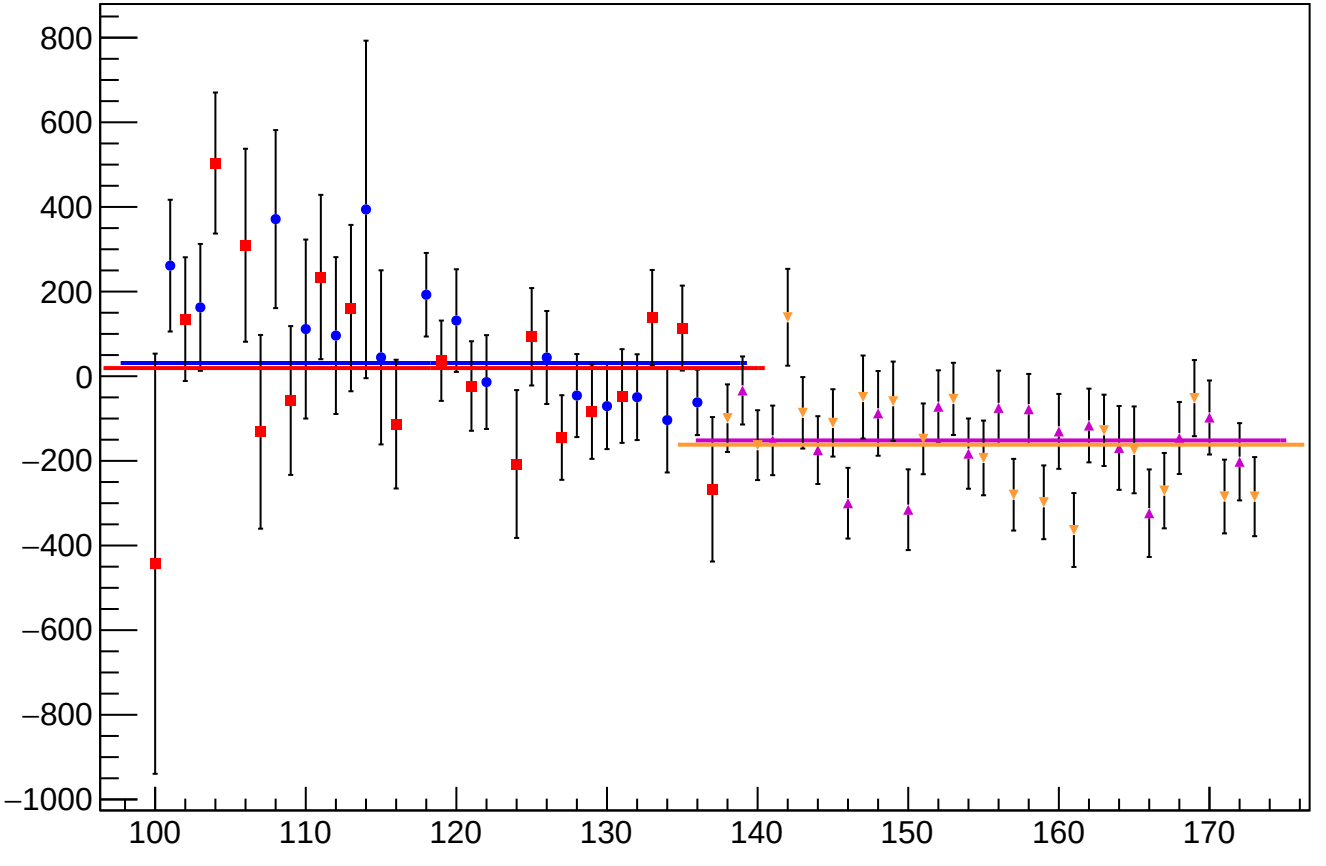
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 344.232+/-0.055 χ^2/NDF:3474320.9/32

Out: 351.407+/-0.055 χ^2/NDF:3433158.5/37

All: 347.854+/-0.039 χ^2/NDF: 6916000.3/70

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -161.762+/-20.249 χ^2/NDF:29.6/18

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -151.691+/-21.281 χ^2/NDF:15.0/16

Left: -156.976+/-14.670 χ^2/NDF: 44.7/35

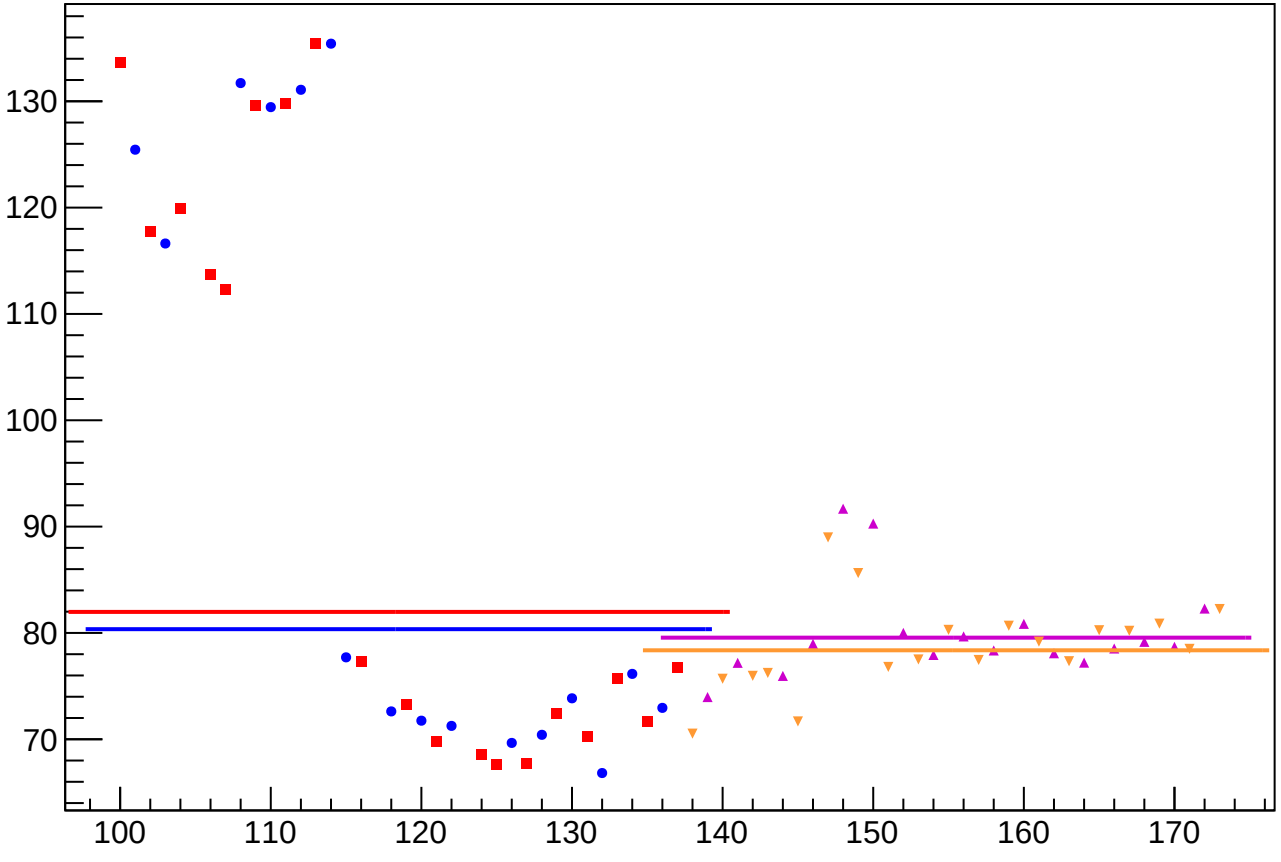
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -92.536+/-17.506 χ^2/NDF:54.0/32

Out: -107.763+/-16.963 χ^2/NDF:79.2/37

All: -100.389+/-12.182 χ^2/NDF: 133.5/70

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.367+/-0.014 χ^2/NDF:83613.4/18

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.556+/-0.015 χ^2/NDF:75716.2/16

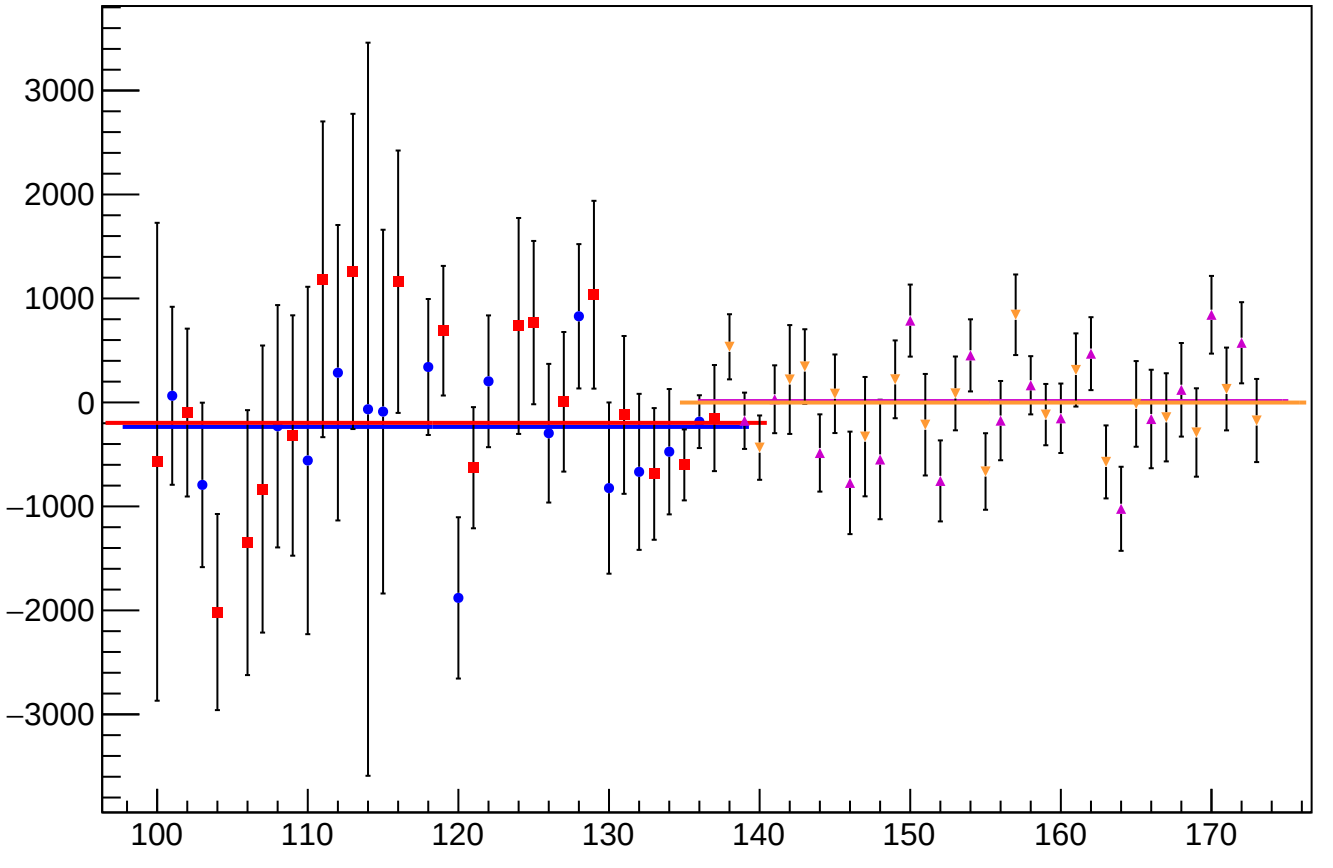
Left: 78.932+/-0.010 χ^2/NDF: 162605.4/35

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.814+/-0.012 χ^2/NDF:916665.5/32

Out: 79.444+/-0.012 χ^2/NDF:1033049.1/37

All: 79.623+/-0.009 χ^2/NDF: 1950175.1/70



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: -1.114+/-86.823 χ^2/NDF:19.4/18

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: 12.979+/-88.872 χ^2/NDF:32.5/16

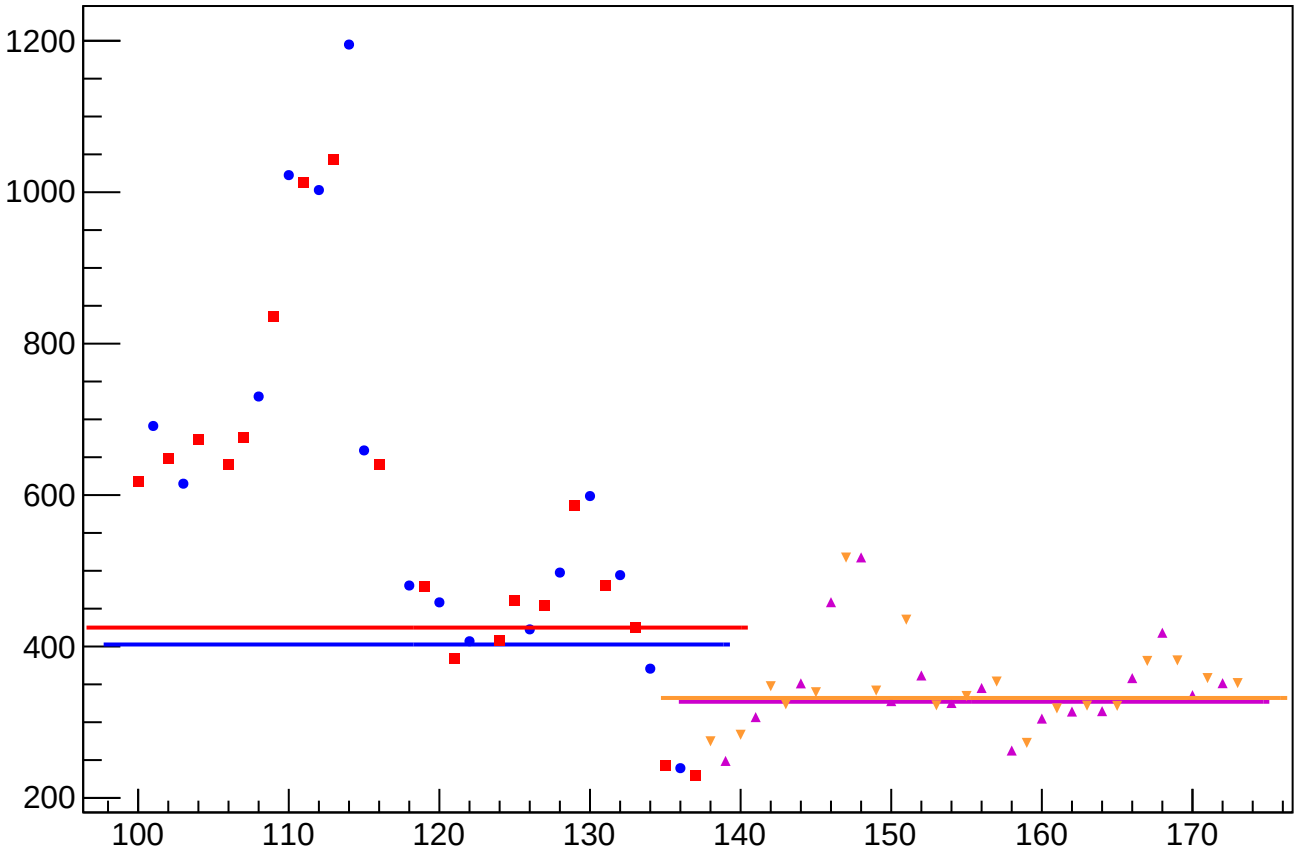
Left: 5.768+/-62.105 χ^2/NDF: 52.0/35

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -43.555+/-78.112 χ^2/NDF:44.2/32

Out: -41.366+/-77.369 χ^2/NDF:37.1/37

All: -42.450+/-54.969 χ^2/NDF: 81.3/70



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 332.046+/-0.061 χ^2/NDF:581846.4/18

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 327.025+/-0.063 χ^2/NDF:784689.6/16

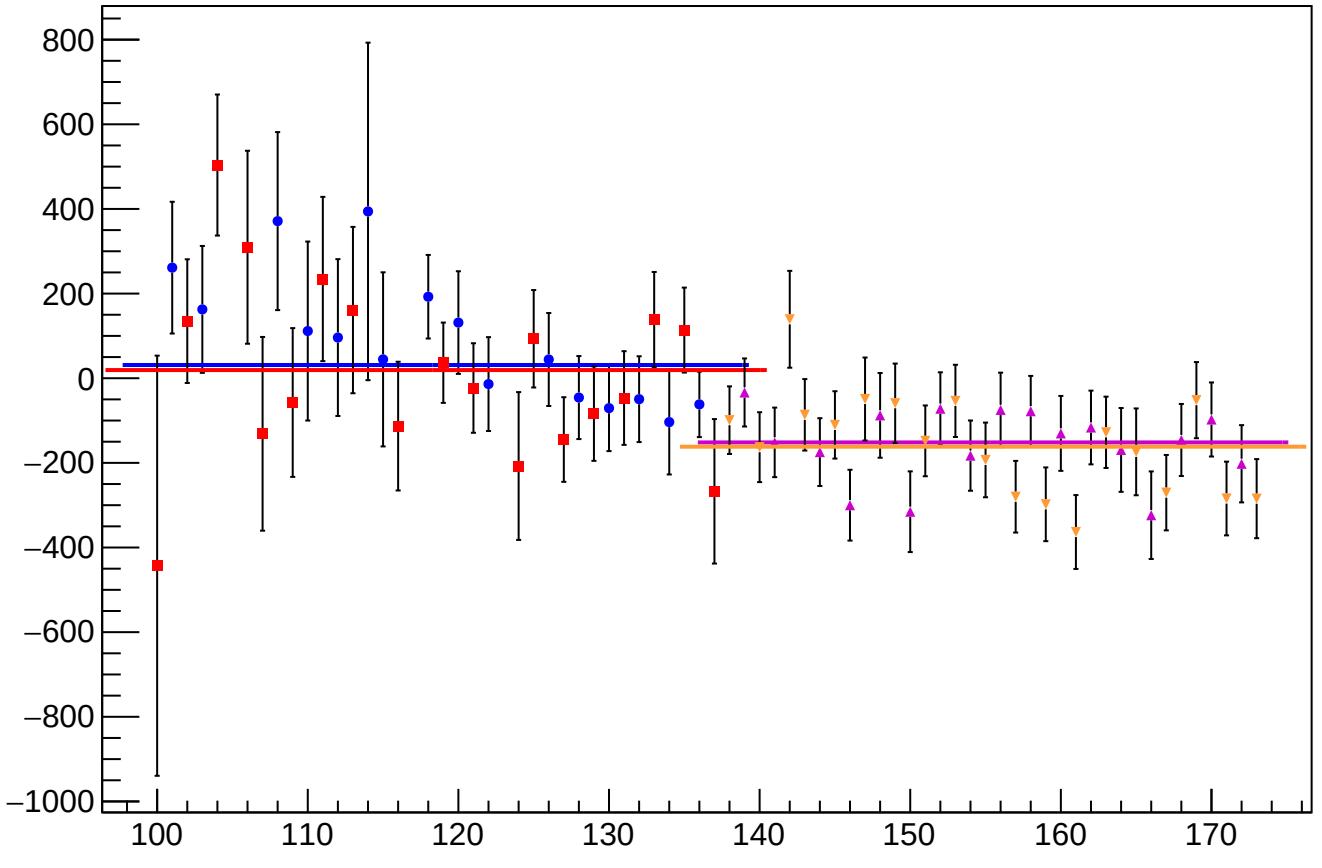
Left: 329.594+/-0.044 χ^2/NDF: 1369802.1/35

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 344.232+/-0.055 χ^2/NDF:3474316.9/32

Out: 351.185+/-0.055 χ^2/NDF:3394834.0/37

All: 347.742+/-0.039 χ^2/NDF: 6877151.5/70



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -161.762+/-20.249 χ^2/NDF:29.6/18

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -151.691+/-21.281 χ^2/NDF:15.0/16

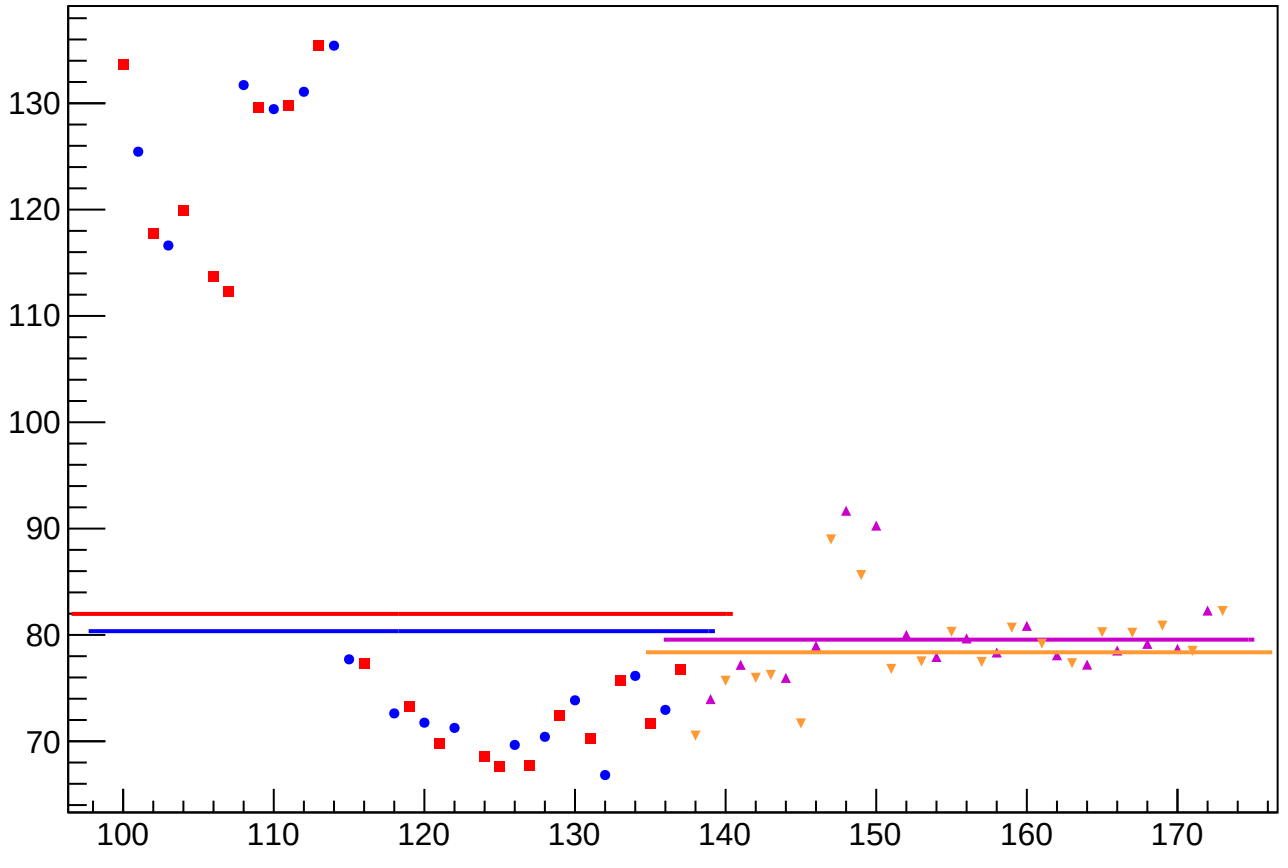
Left: -156.976+/-14.670 χ^2/NDF: 44.7/35

Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -92.536+/-17.506 χ^2/NDF:54.0/32

Out: -107.763+/-16.963 χ^2/NDF:79.2/37

All: -100.389+/-12.182 χ^2/NDF: 133.5/70



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.367+/-0.014 χ^2/NDF:83613.4/18

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.556+/-0.015 χ^2/NDF:75716.2/16

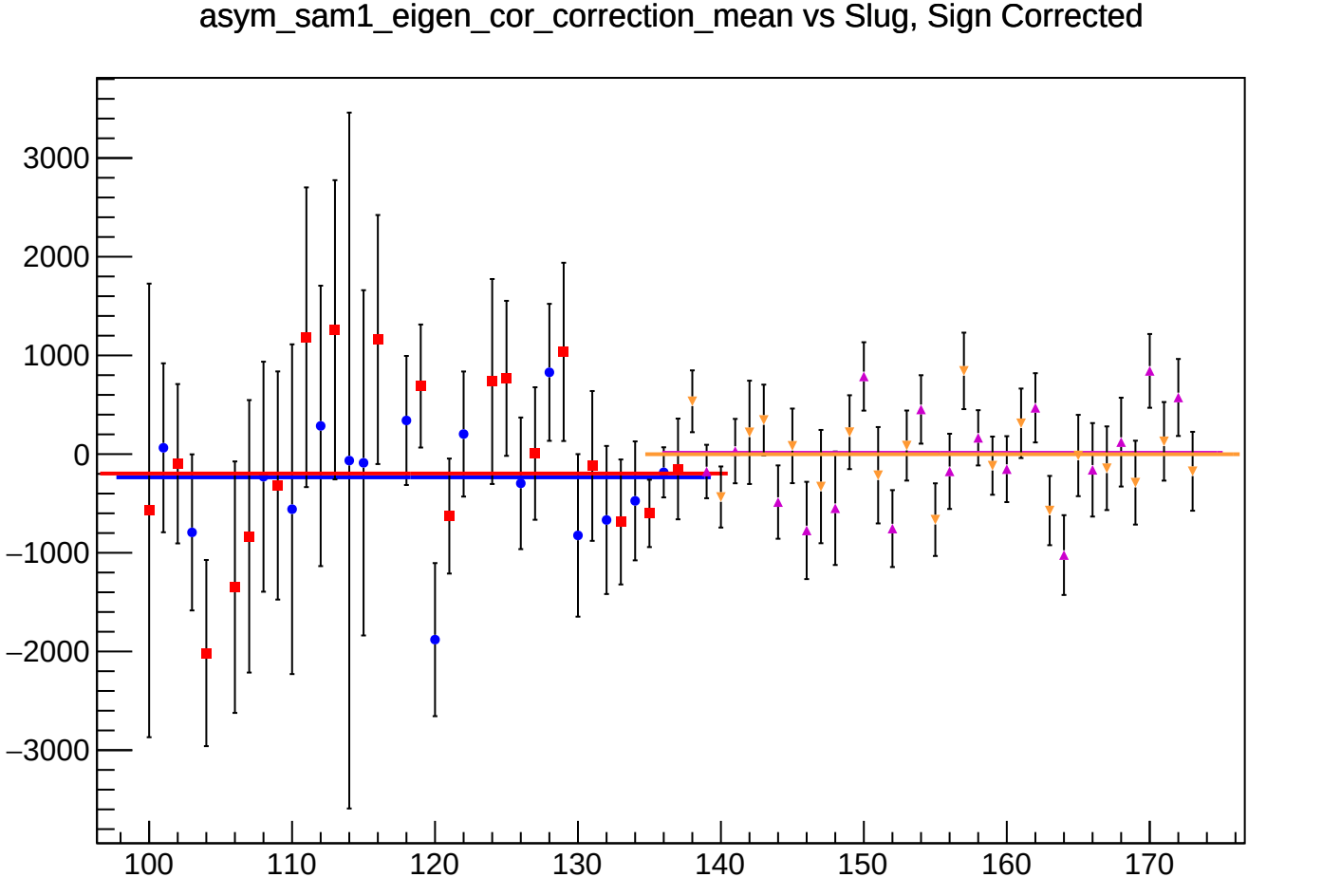
Left: 78.932+/-0.010 χ^2/NDF: 162605.4/35

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

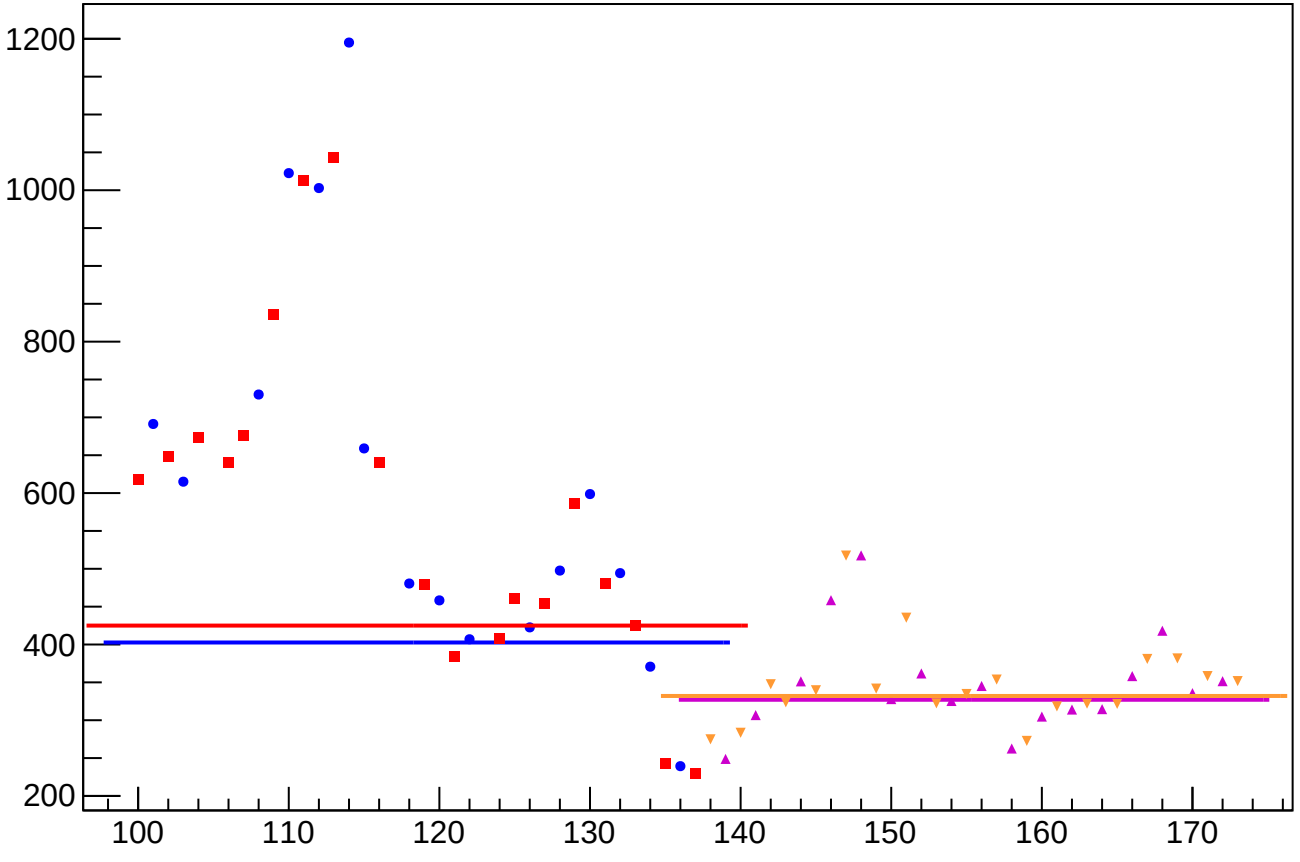
In: 79.814+/-0.012 χ^2/NDF:916665.5/32

Out: 79.444+/-0.012 χ^2/NDF:1033049.1/37

All: 79.623+/-0.009 χ^2/NDF: 1950175.1/70


asym_sam1_eigen_cor_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
Right In: -235.519+/-163.765 χ²/NDF: 9.9/15
Left Out: -1.114+/-86.823 χ²/NDF:19.4/18
Right Out: -196.579+/-170.492 χ²/NDF: 16.6/18
Left In: 12.979+/-88.872 χ²/NDF:32.5/16
Left: 5.768+/-62.105 χ²/NDF: 52.0/35
Right: -216.832+/-118.106 χ²/NDF: 26.5/34
In: -43.555+/-78.112 χ²/NDF:44.2/32
Out: -41.366+/-77.369 χ²/NDF:37.1/37
All: -42.450+/-54.969 χ²/NDF: 81.3/70

asym_sam1_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 332.046+/-0.061 χ^2/NDF:581846.4/18

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 327.025+/-0.063 χ^2/NDF:784689.6/16

Left: 329.594+/-0.044 χ^2/NDF: 1369802.1/35

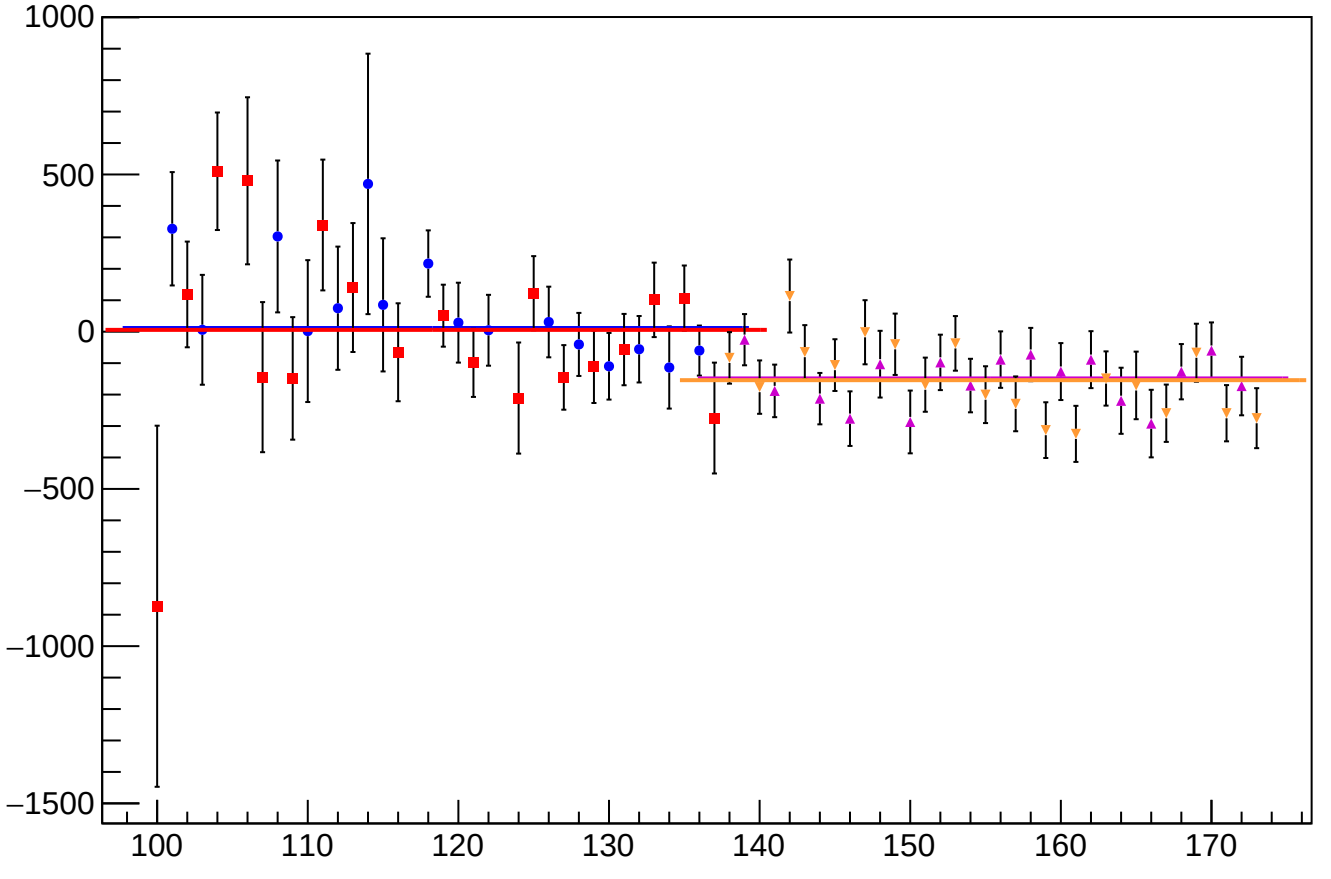
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 344.232+/-0.055 χ^2/NDF:3474316.9/32

Out: 351.185+/-0.055 χ^2/NDF:3394834.0/37

All: 347.742+/-0.039 χ^2/NDF: 6877151.5/70

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -154.169+/-20.781 χ^2/NDF:26.1/18

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -148.633+/-21.894 χ^2/NDF:12.9/16

Left: -151.546+/-15.073 χ^2/NDF: 39.1/35

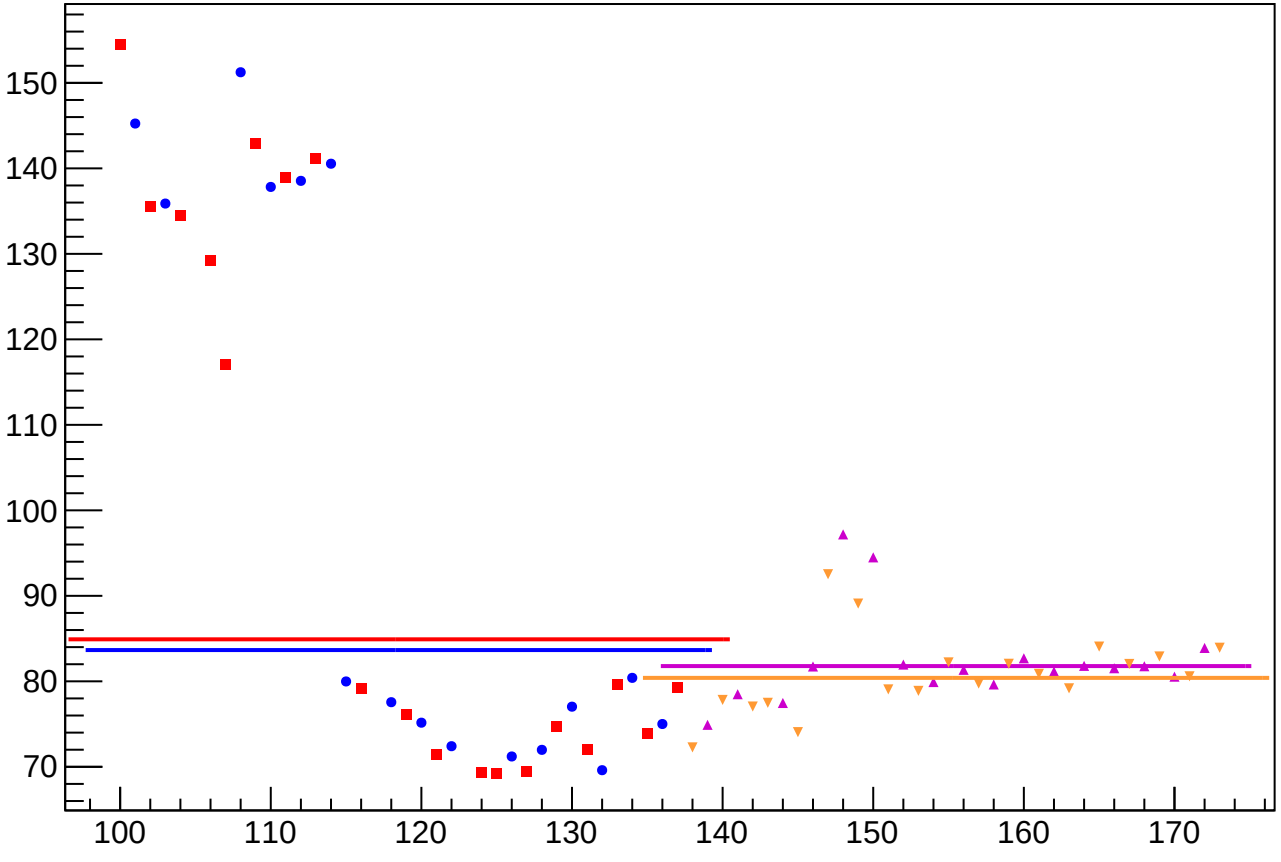
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -98.167+/-18.123 χ^2/NDF:43.3/32

Out: -107.626+/-17.499 χ^2/NDF:72.1/37

All: -103.062+/-12.588 χ^2/NDF: 115.6/70

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 80.403+/-0.015 χ^2/NDF:91983.8/18

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 81.783+/-0.015 χ^2/NDF:101566.4/16

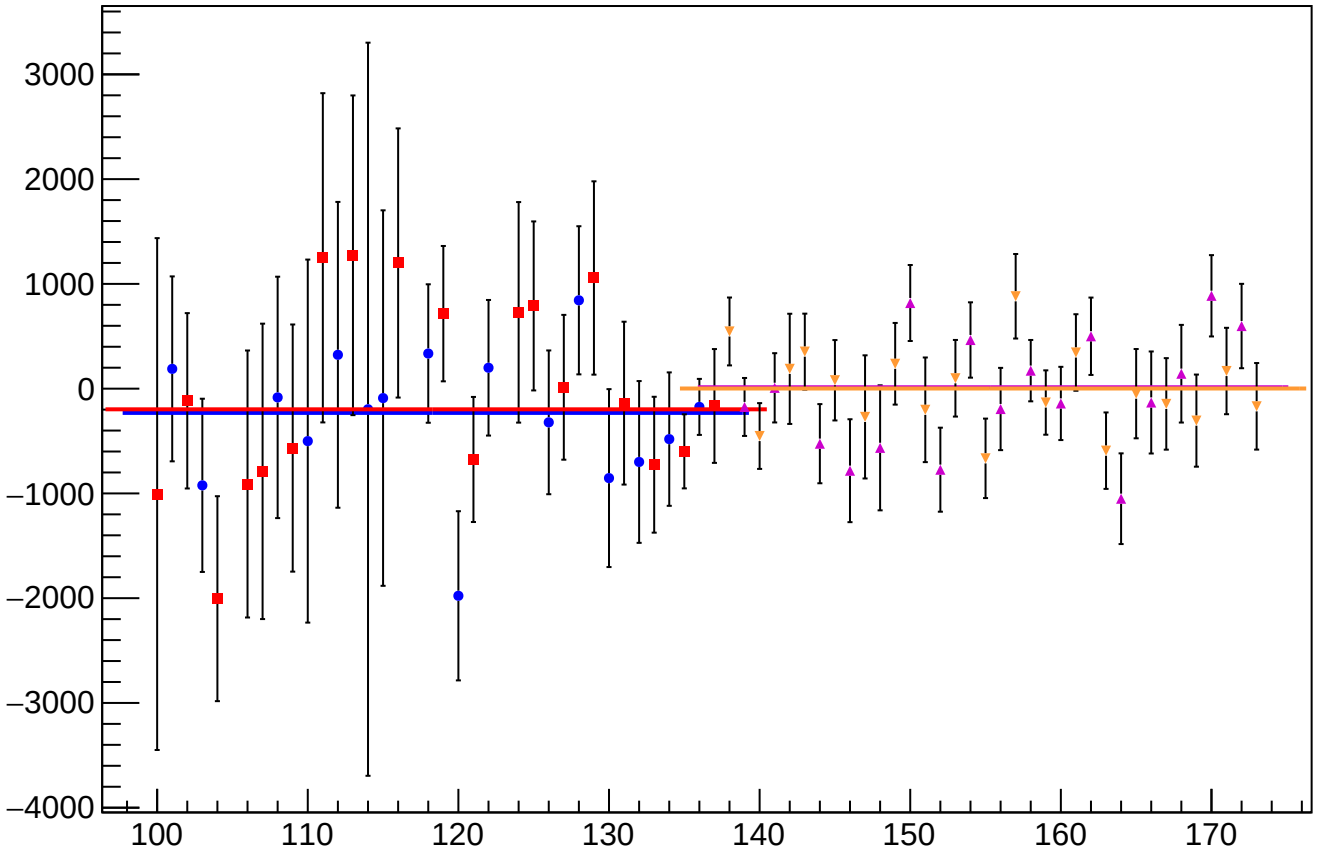
Left: 81.057+/-0.011 χ^2/NDF: 197728.0/35

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.373+/-0.013 χ^2/NDF:1140974.1/32

Out: 81.715+/-0.012 χ^2/NDF:1241052.0/37

All: 82.033+/-0.009 χ^2/NDF: 2383389.6/70



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 1.455+/-89.440 χ^2/NDF:19.4/18

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: 13.500+/-91.920 χ^2/NDF:32.3/16

Left: 7.313+/-64.102 χ^2/NDF: 51.6/35

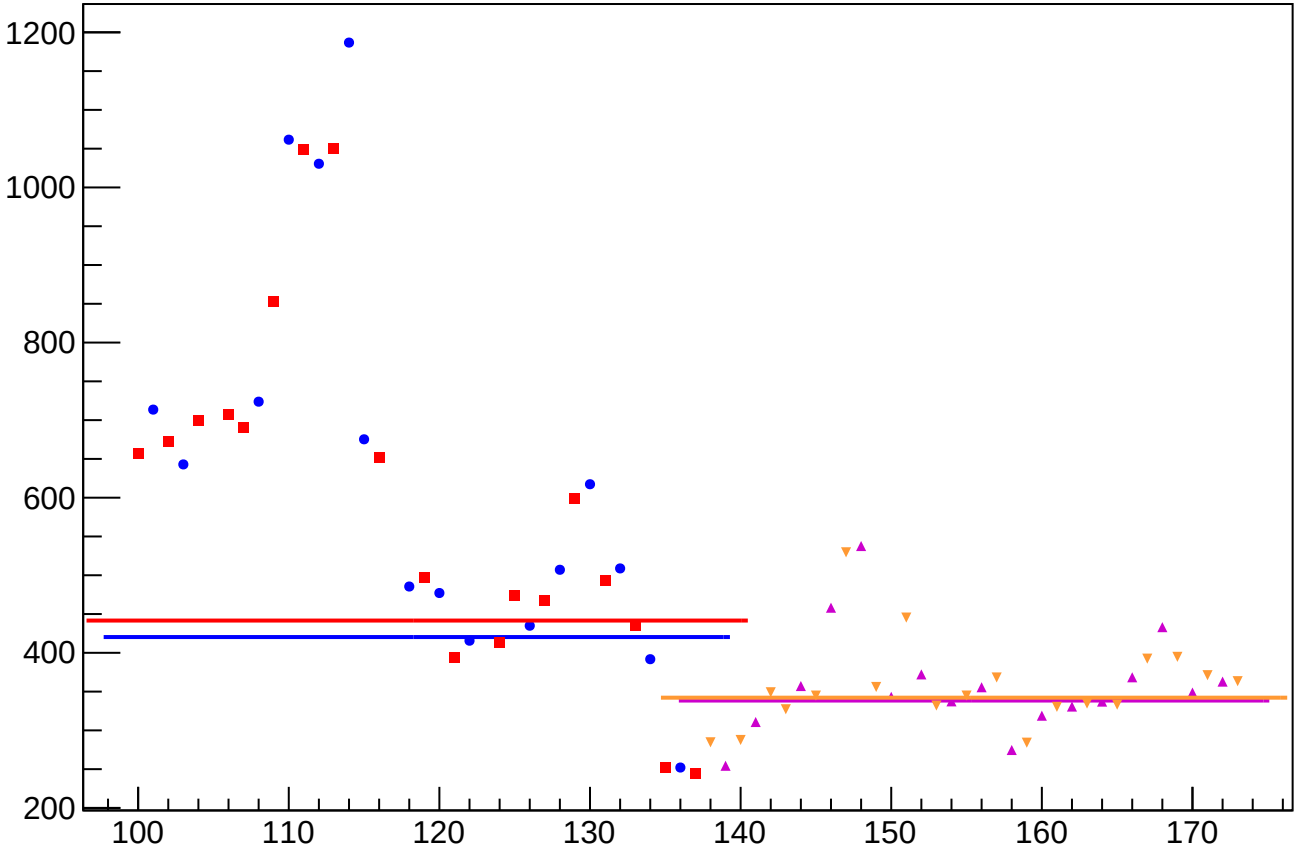
Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -41.836+/-80.871 χ^2/NDF:44.3/32

Out: -39.286+/-79.743 χ^2/NDF:36.3/37

All: -40.543+/-56.782 χ^2/NDF: 80.6/70

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 342.160+/-0.063 χ^2/NDF:574191.9/18

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 338.463+/-0.065 χ^2/NDF:764330.2/16

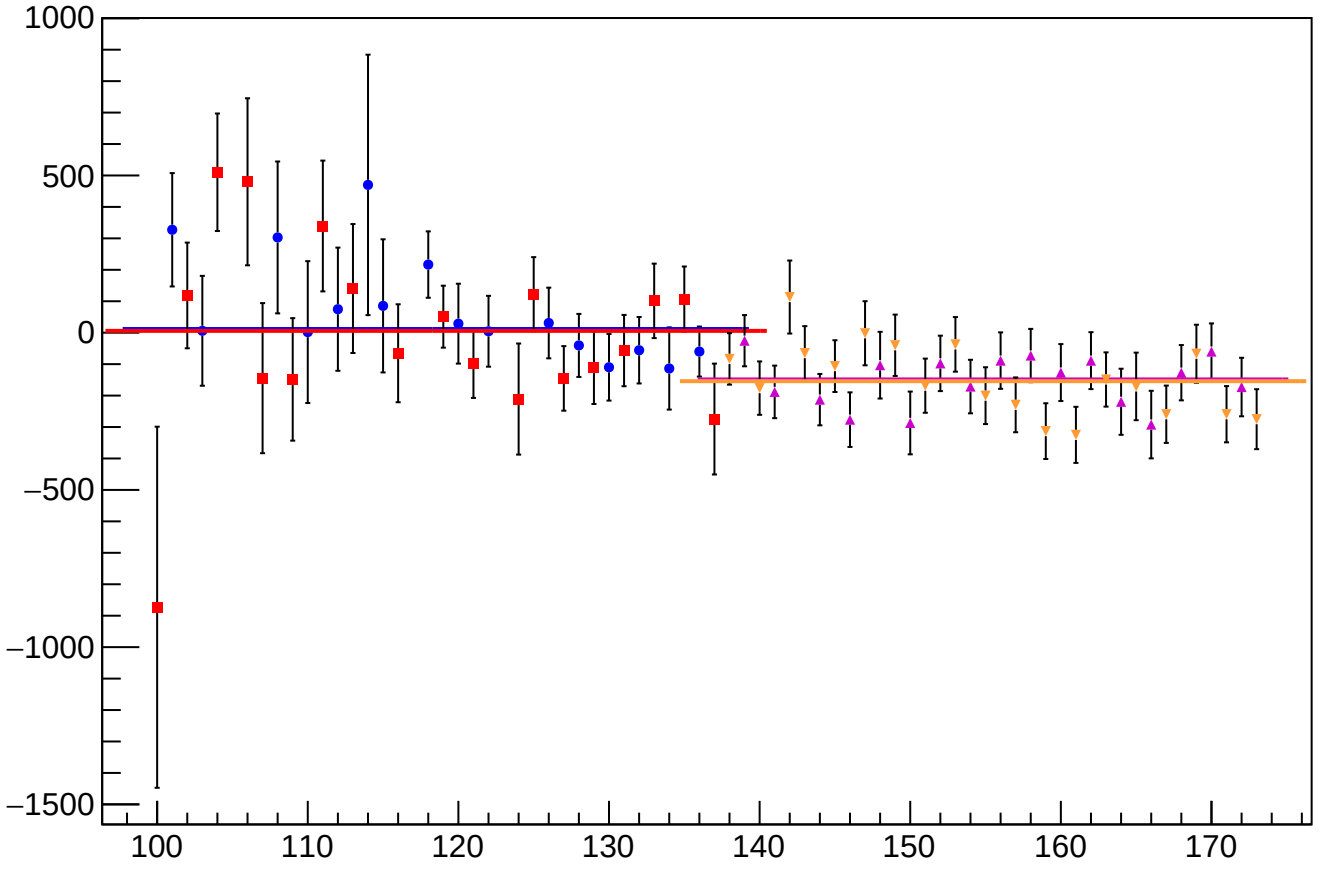
Left: 340.362+/-0.045 χ^2/NDF: 1340183.9/35

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 356.960+/-0.057 χ^2/NDF:3377397.6/32

Out: 362.552+/-0.056 χ^2/NDF:3388755.3/37

All: 359.795+/-0.040 χ^2/NDF: 6771000.6/70



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -154.169+/-20.781 χ^2/NDF:26.1/18

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -148.634+/-21.894 χ^2/NDF:12.9/16

Left: -151.546+/-15.073 χ^2/NDF: 39.1/35

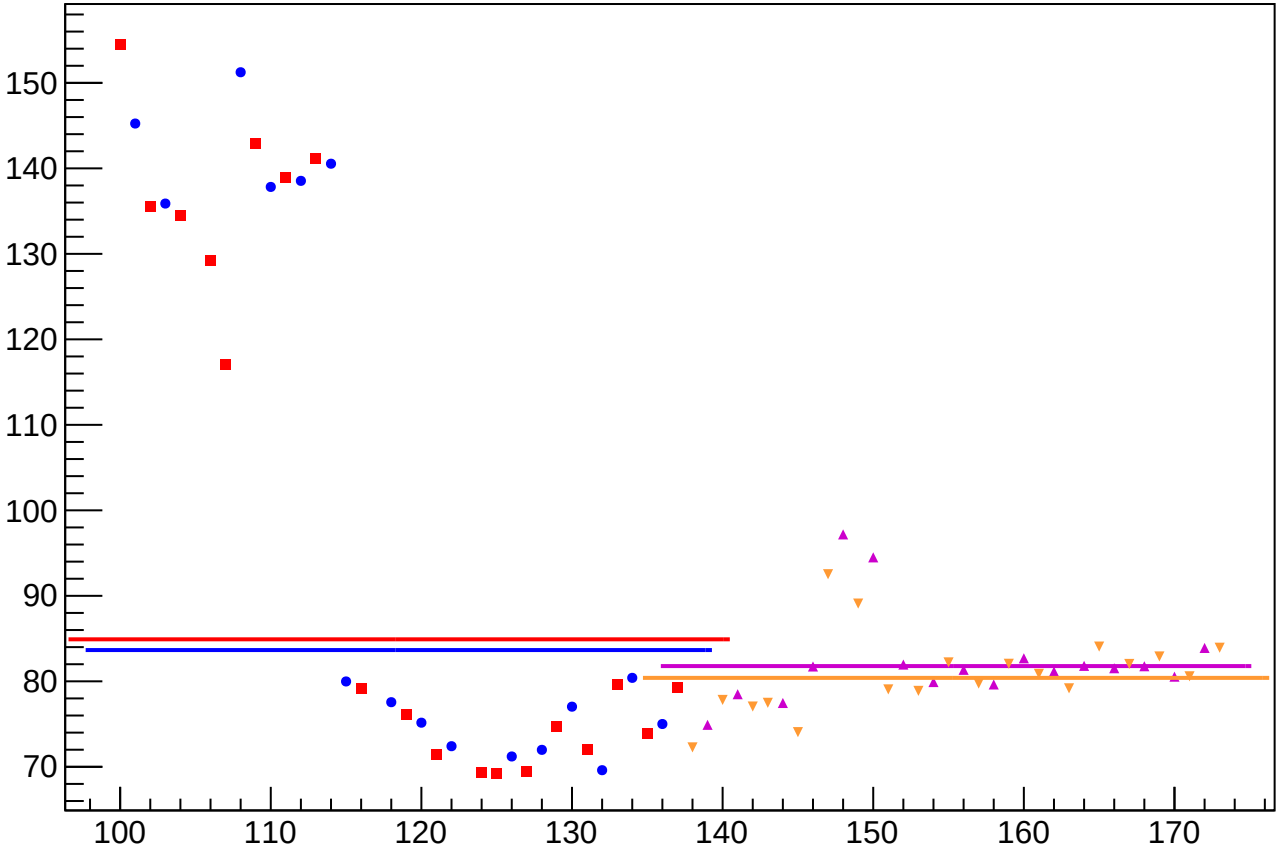
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -98.167+/-18.123 χ^2/NDF:43.3/32

Out: -107.626+/-17.499 χ^2/NDF:72.1/37

All: -103.062+/-12.588 χ^2/NDF: 115.6/70

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 80.403+/-0.015 χ^2/NDF:91983.1/18

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 81.783+/-0.015 χ^2/NDF:101565.6/16

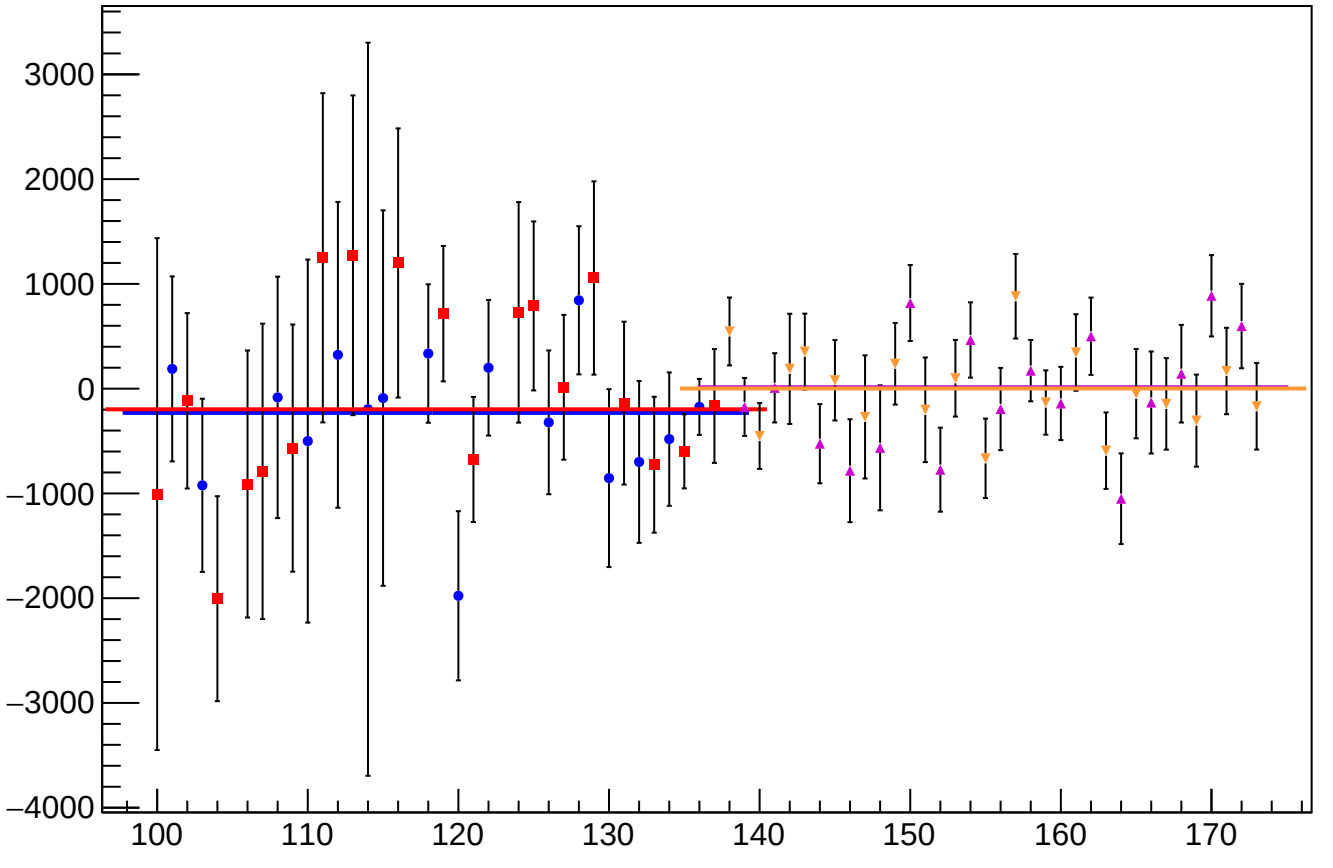
Left: 81.057+/-0.011 χ^2/NDF: 197726.6/35

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.373+/-0.013 χ^2/NDF:1140972.6/32

Out: 81.715+/-0.012 χ^2/NDF:1241049.6/37

All: 82.033+/-0.009 χ^2/NDF: 2383385.7/70



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 1.455+/-89.440 χ^2/NDF:19.4/18

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: 13.500+/-91.920 χ^2/NDF:32.3/16

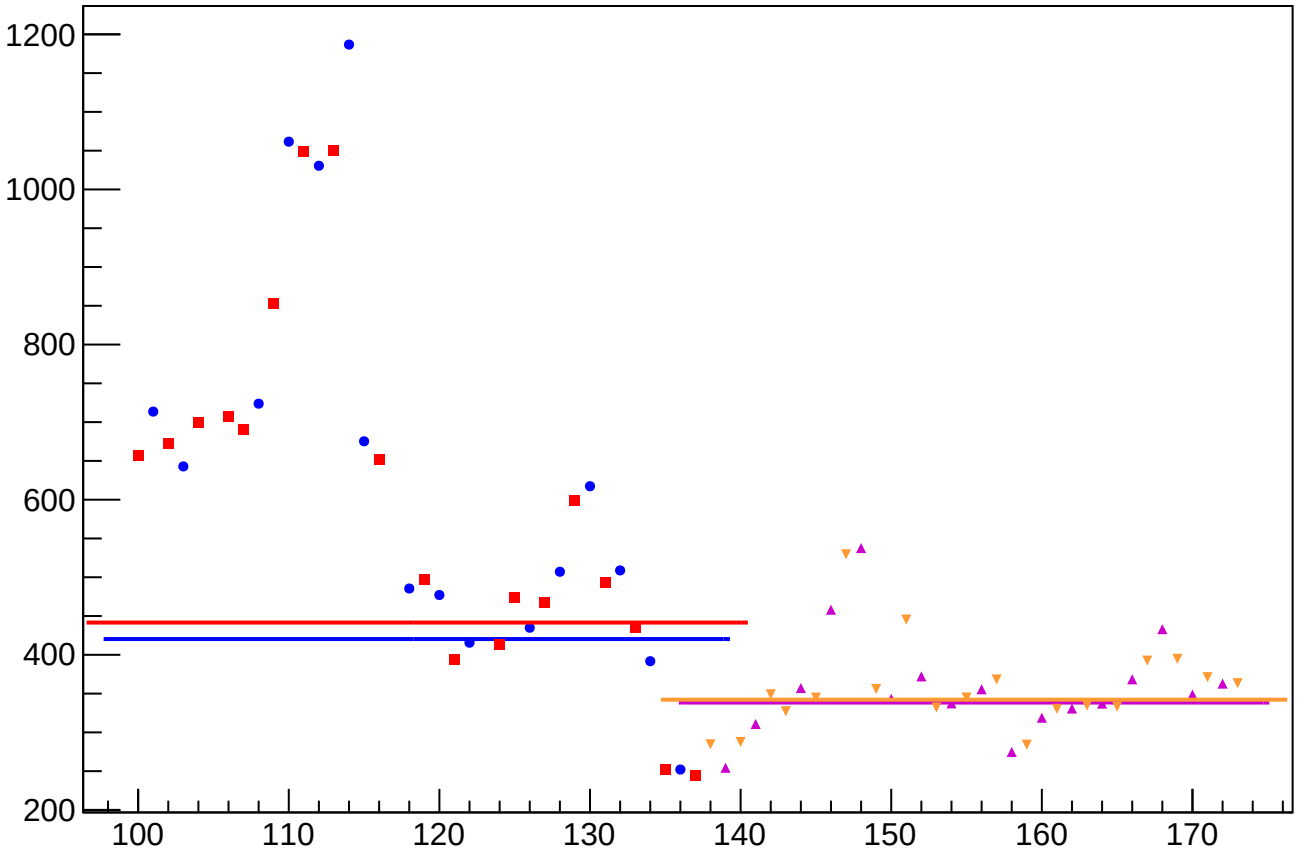
Left: 7.313+/-64.102 χ^2/NDF: 51.6/35

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -41.836+/-80.871 χ^2/NDF:44.3/32

Out: -39.286+/-79.743 χ^2/NDF:36.3/37

All: -40.543+/-56.782 χ^2/NDF: 80.6/70



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 342.159+/-0.063 χ^2/NDF:574192.4/18

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 338.462+/-0.065 χ^2/NDF:764332.4/16

Left: 340.361+/-0.045 χ^2/NDF: 1340186.6/35

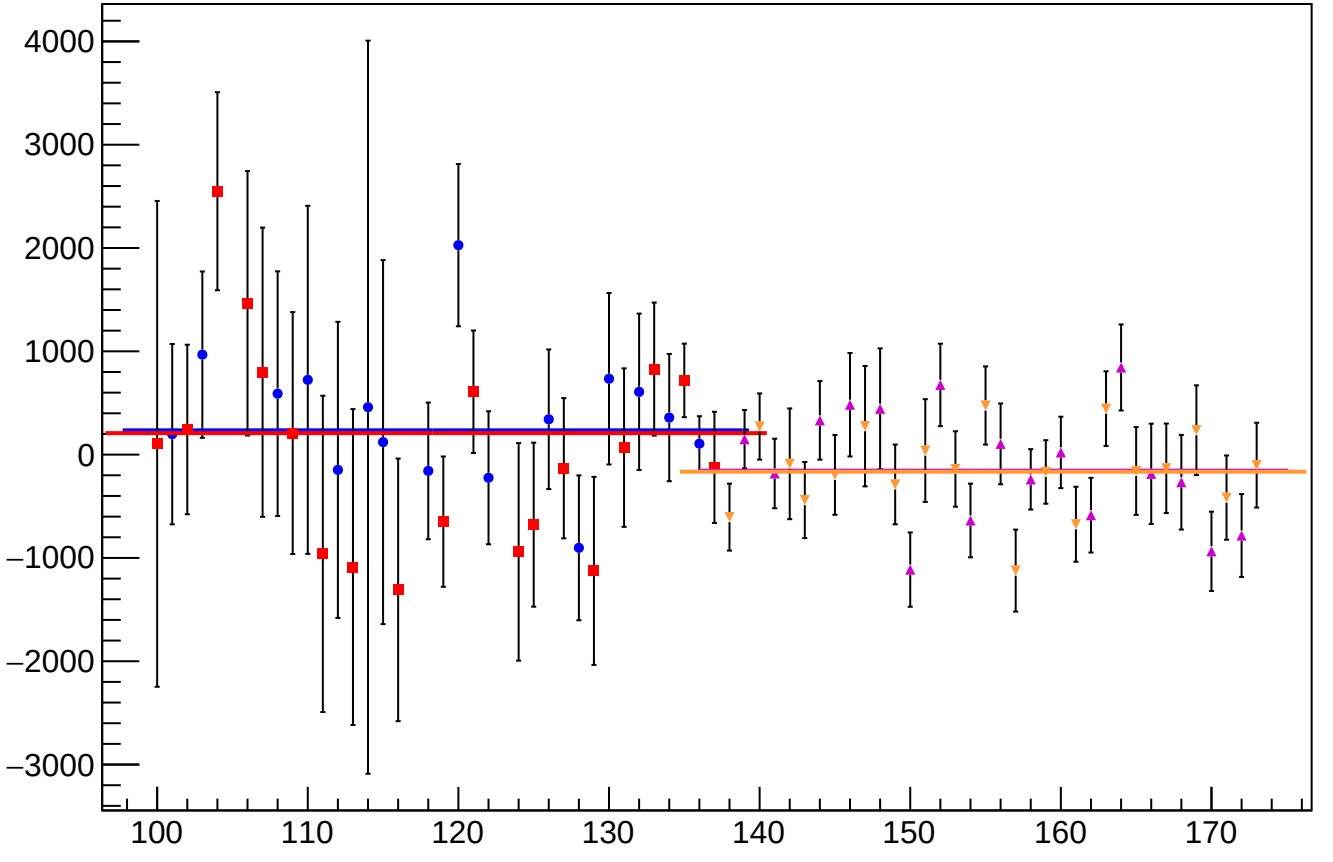
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 356.960+/-0.057 χ^2/NDF:3377401.0/32

Out: 362.552+/-0.056 χ^2/NDF:3388756.5/37

All: 359.795+/-0.040 χ^2/NDF: 6771005.2/70

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -165.239+/-89.347 χ^2/NDF:19.9/18

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: -154.998+/-91.634 χ^2/NDF:33.3/16

Left: -160.248+/-63.971 χ^2/NDF: 53.2/35

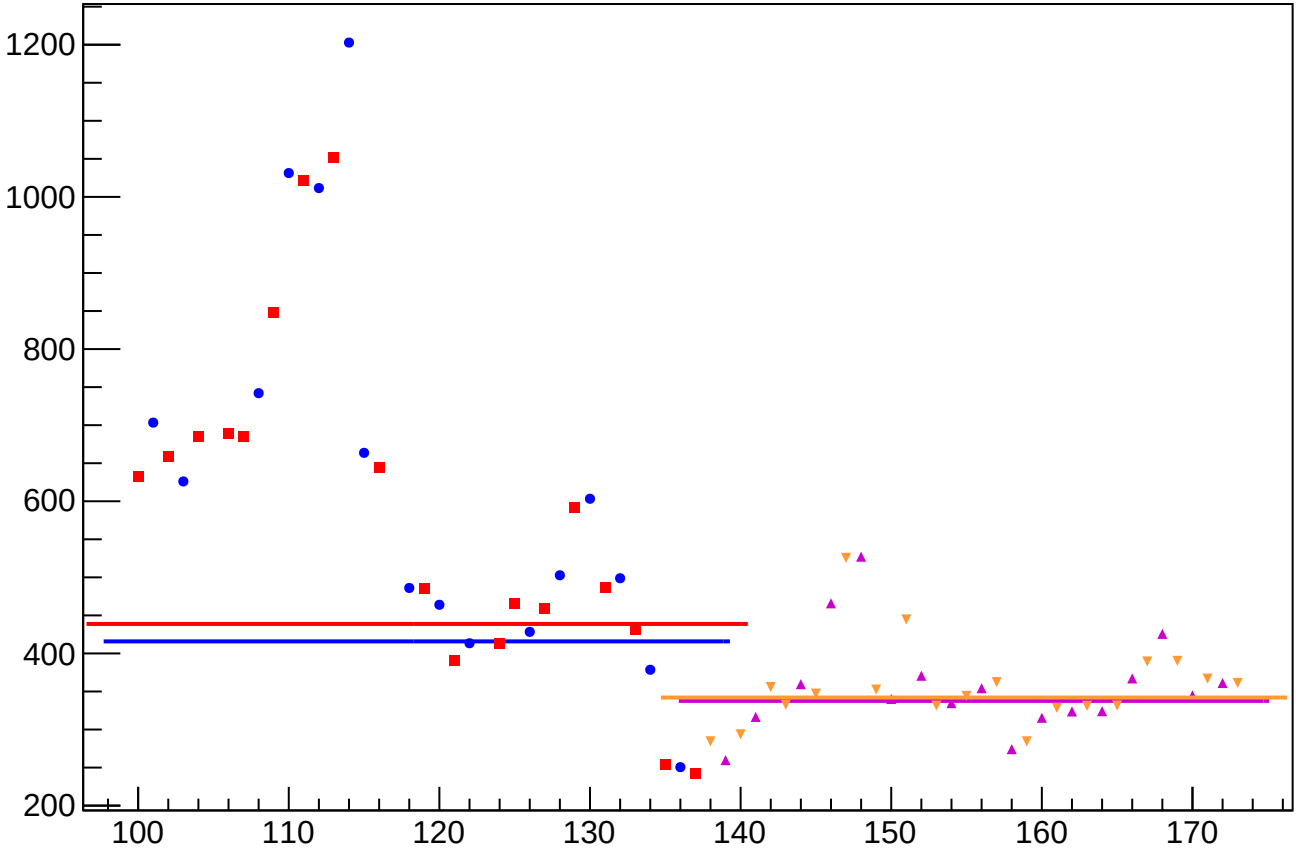
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: -65.726+/-80.467 χ^2/NDF:48.2/32

Out: -87.879+/-79.549 χ^2/NDF:43.9/37

All: -76.930+/-56.571 χ^2/NDF: 92.1/70

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 342.054+/-0.063 χ^2/NDF:539825.5/18

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 337.656+/-0.065 χ^2/NDF:721636.4/16

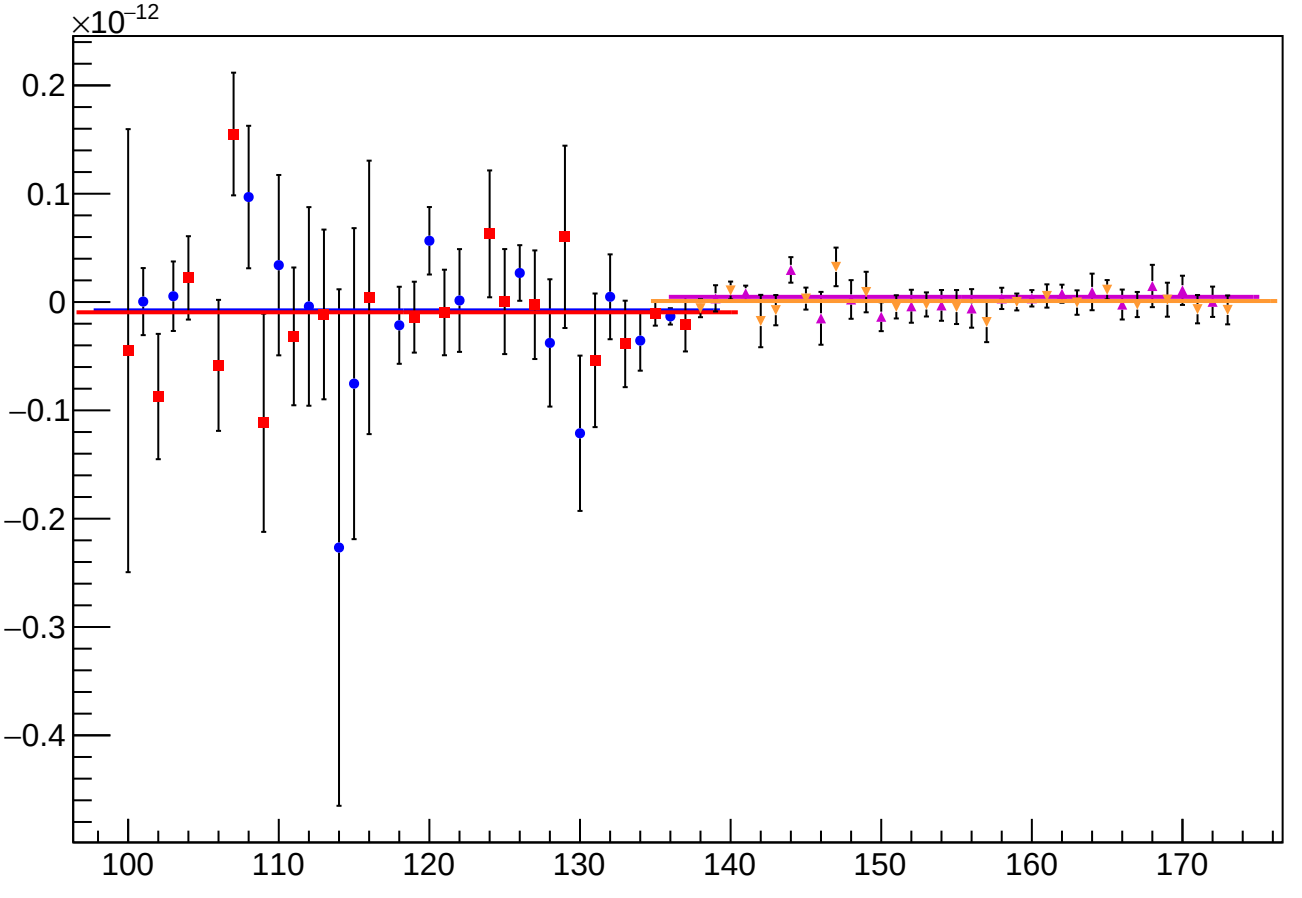
Left: 339.911+/-0.045 χ^2/NDF: 1263824.0/35

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 355.550+/-0.057 χ^2/NDF:3278812.9/32

Out: 362.104+/-0.056 χ^2/NDF:3260443.5/37

All: 358.865+/-0.040 χ^2/NDF: 6545966.7/70



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:9.3/16

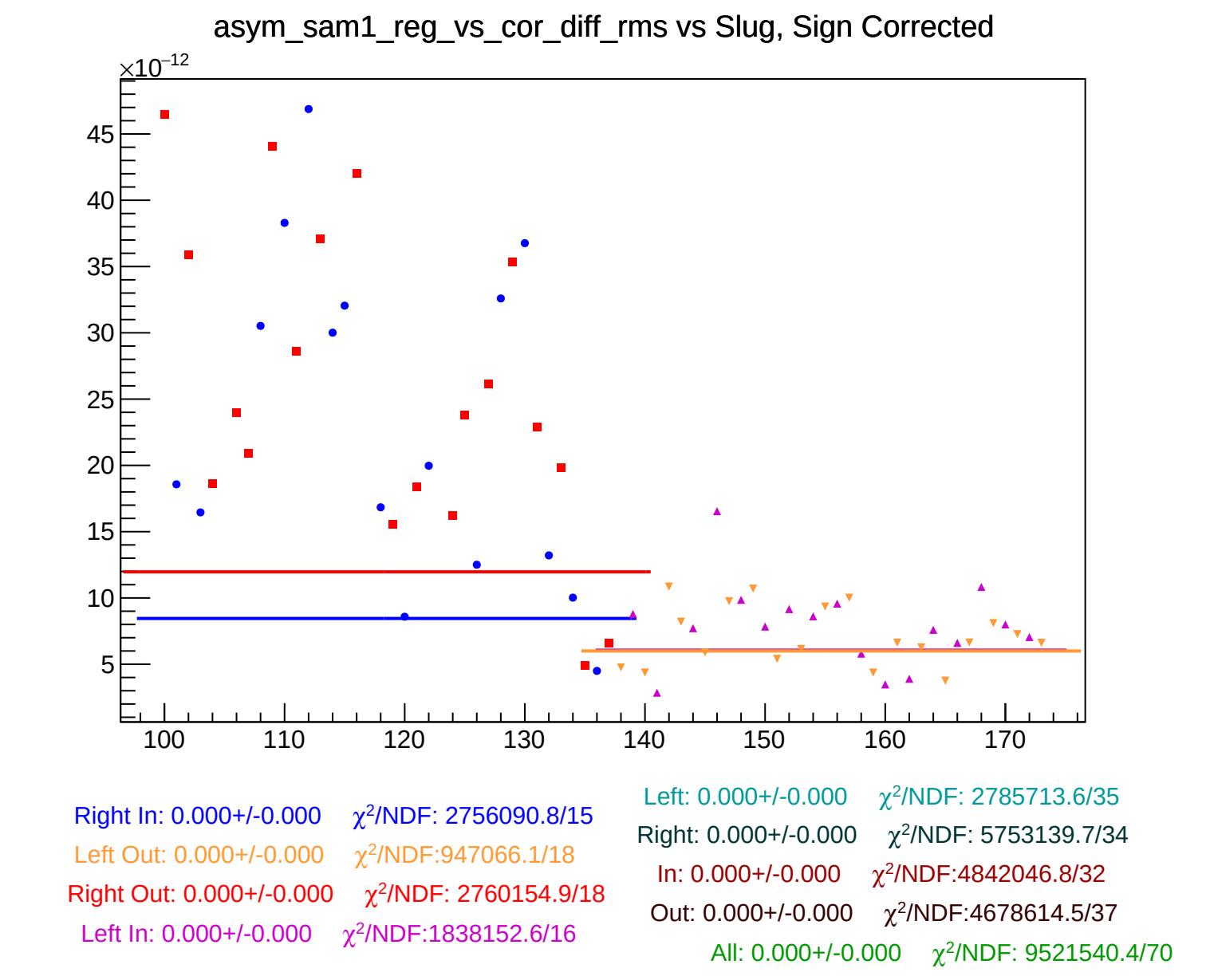
Left: 0.000+/-0.000 χ^2/NDF: 20.6/35

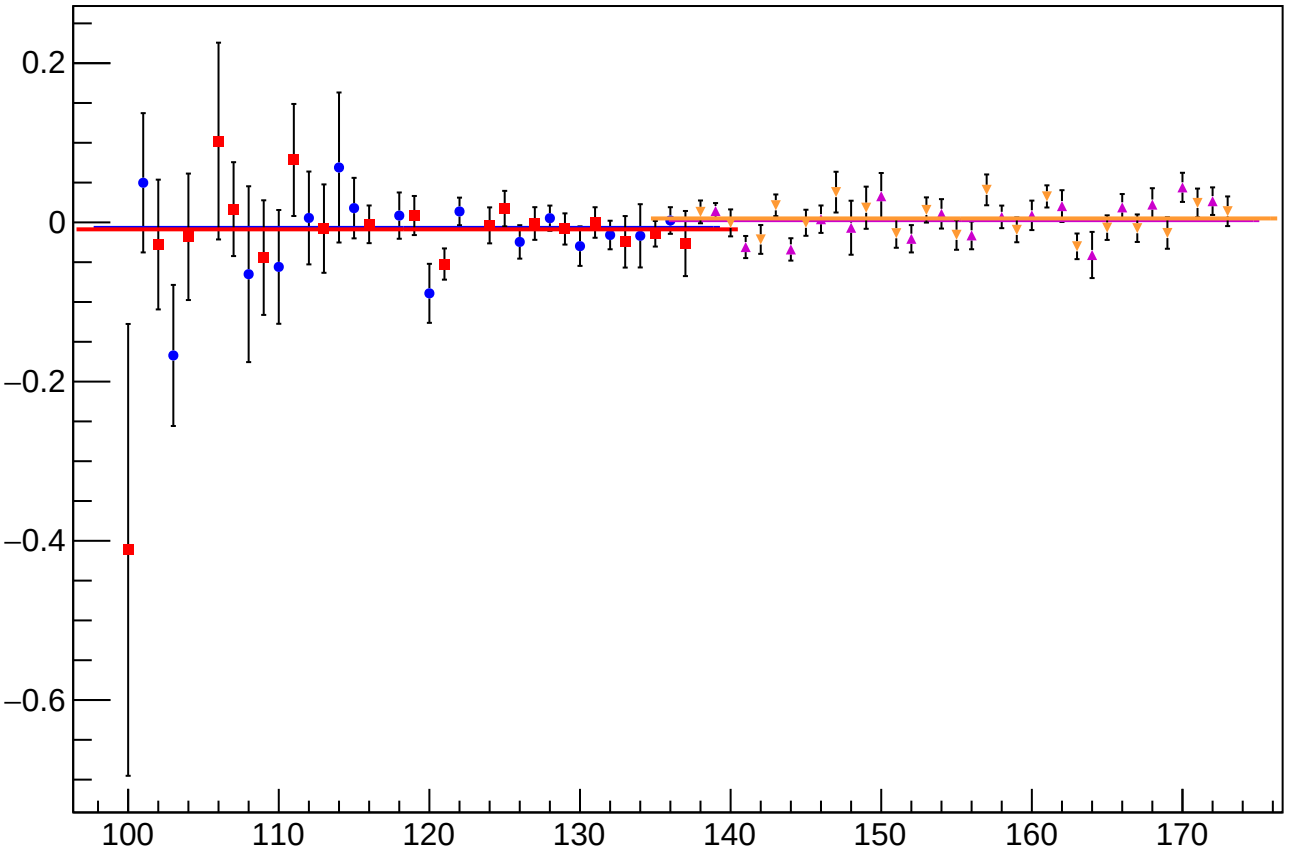
Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:27.5/32

Out: -0.000+/-0.000 χ^2/NDF:28.1/37

All: 0.000+/-0.000 χ^2/NDF: 56.1/70


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
170
Right In: 0.000+/-0.000 χ²/NDF: 2756090.8/15
Left Out: 0.000+/-0.000 χ²/NDF:947066.1/18
Right Out: 0.000+/-0.000 χ²/NDF: 2760154.9/18
Left In: 0.000+/-0.000 χ²/NDF:1838152.6/16
Left: 0.000+/-0.000 χ²/NDF: 2785713.6/35
Right: 0.000+/-0.000 χ²/NDF: 5753139.7/34
In: 0.000+/-0.000 χ²/NDF:4842046.8/32
Out: 0.000+/-0.000 χ²/NDF:4678614.5/37
All: 0.000+/-0.000 χ²/NDF: 9521540.4/70



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:25.0/18

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.004 χ^2/NDF:30.5/16

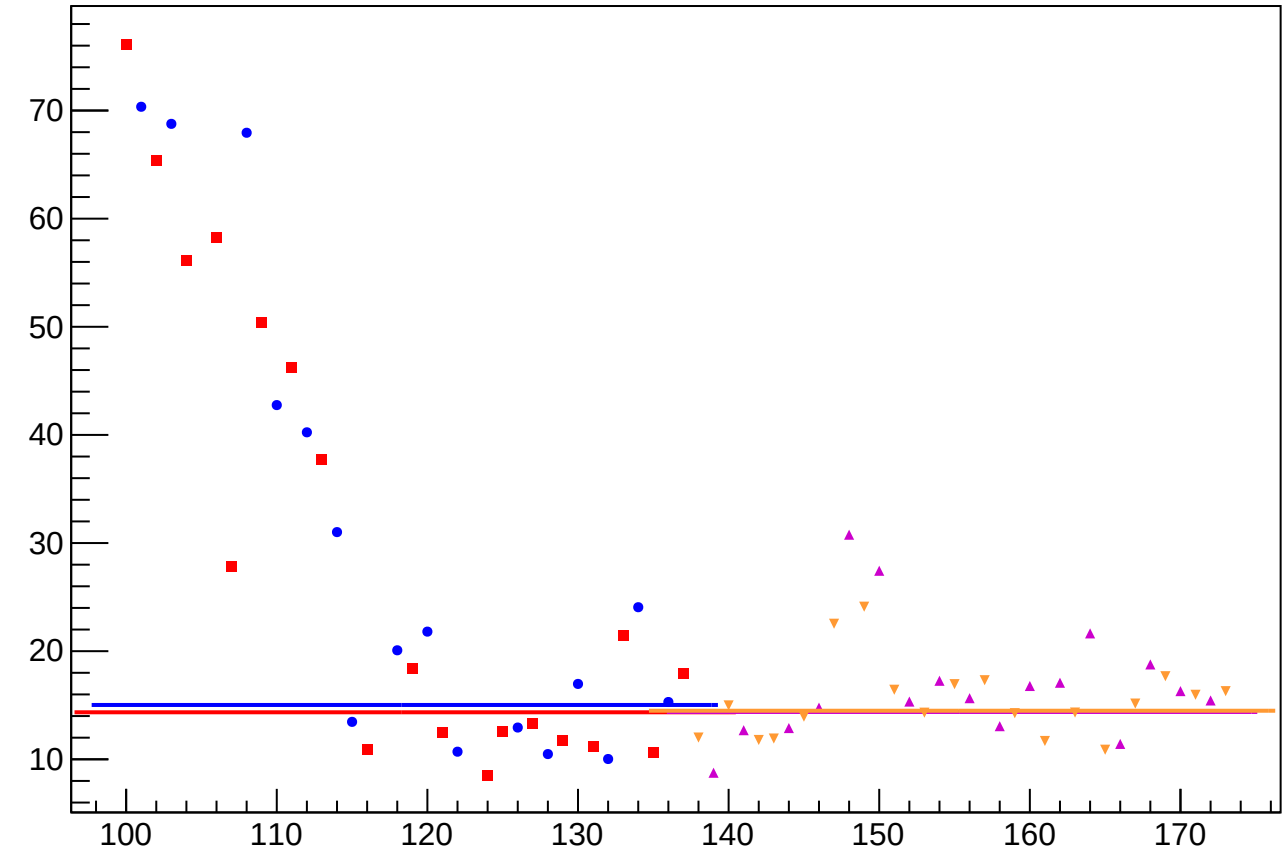
Left: 0.004+/-0.003 χ^2/NDF: 55.7/35

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.000+/-0.004 χ^2/NDF:47.0/32

Out: 0.001+/-0.003 χ^2/NDF:41.0/37

All: 0.001+/-0.002 χ^2/NDF: 88.0/70



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.492+/-0.003 χ^2/NDF:1018658.3/18

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.377+/-0.003 χ^2/NDF:2011152.7/16

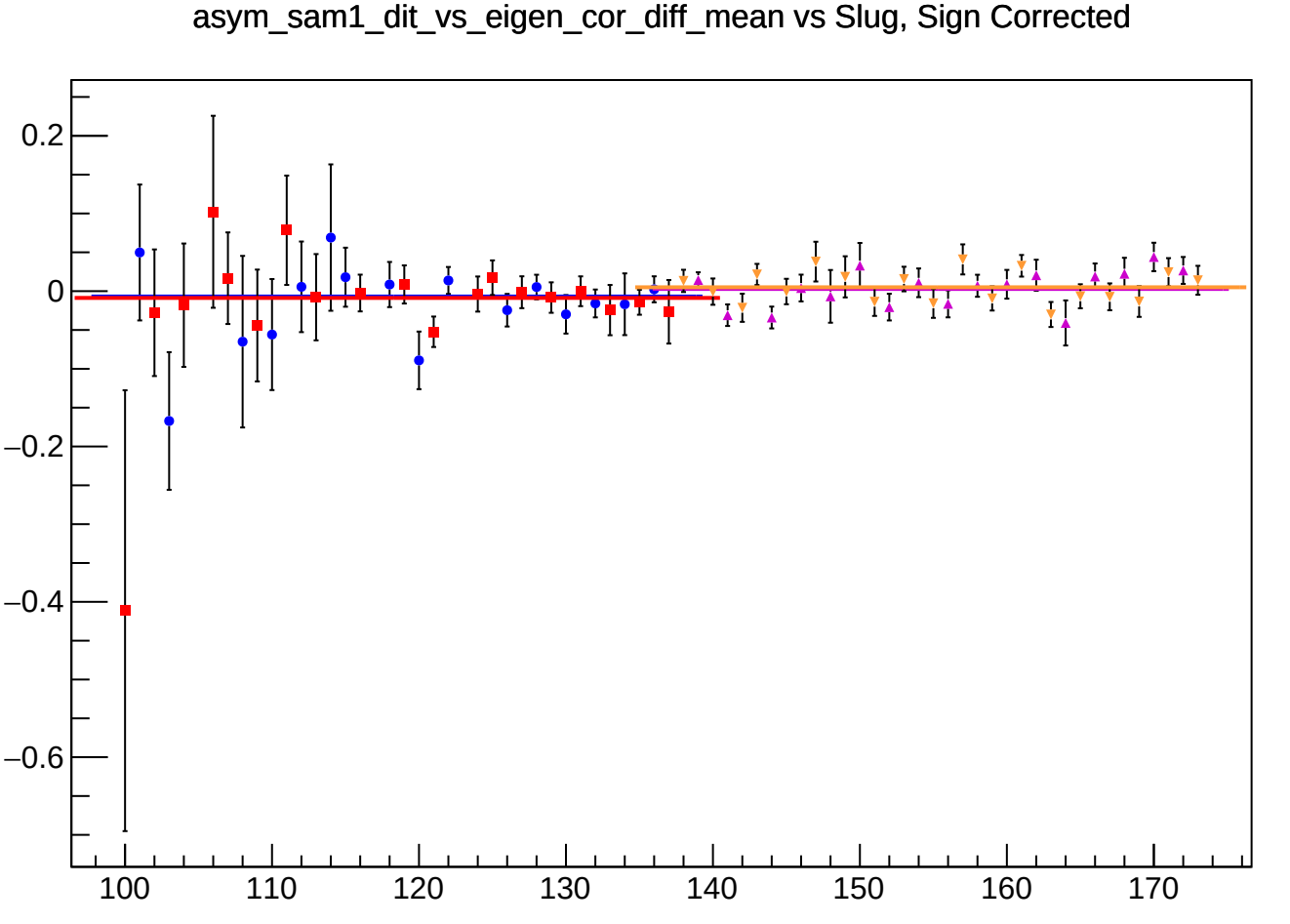
Left: 14.437+/-0.002 χ^2/NDF: 3030624.6/35

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.554+/-0.002 χ^2/NDF:5462913.8/32

Out: 14.453+/-0.002 χ^2/NDF:4648408.6/37

All: 14.501+/-0.002 χ^2/NDF: 10112192.2/70



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:25.0/18

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.004 χ^2/NDF:30.5/16

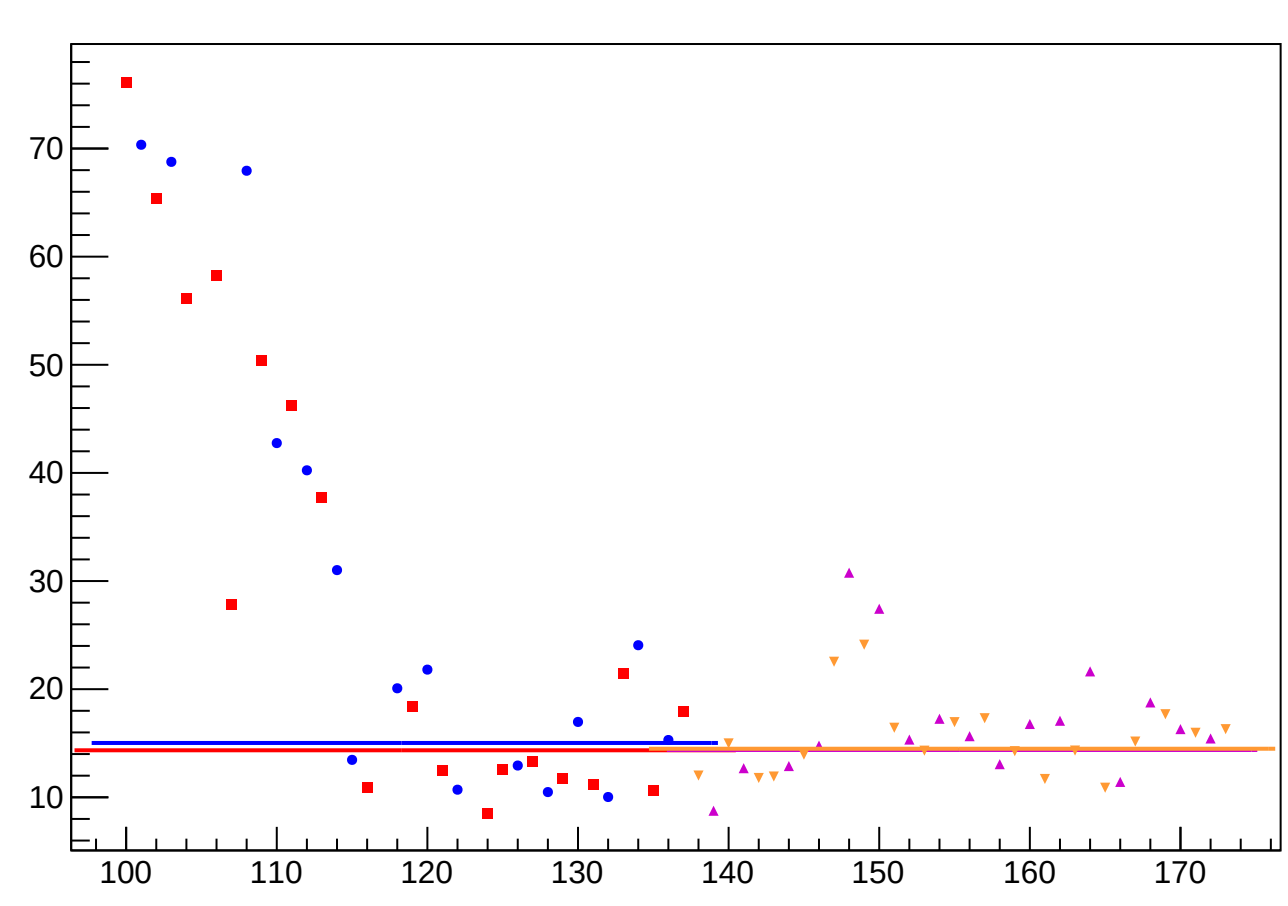
Left: 0.004+/-0.003 χ^2/NDF: 55.7/35

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.000+/-0.004 χ^2/NDF:47.0/32

Out: 0.001+/-0.003 χ^2/NDF:41.0/37

All: 0.001+/-0.002 χ^2/NDF: 88.0/70



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.492+/-0.003 χ^2/NDF:1018658.3/18

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.377+/-0.003 χ^2/NDF:2011152.7/16

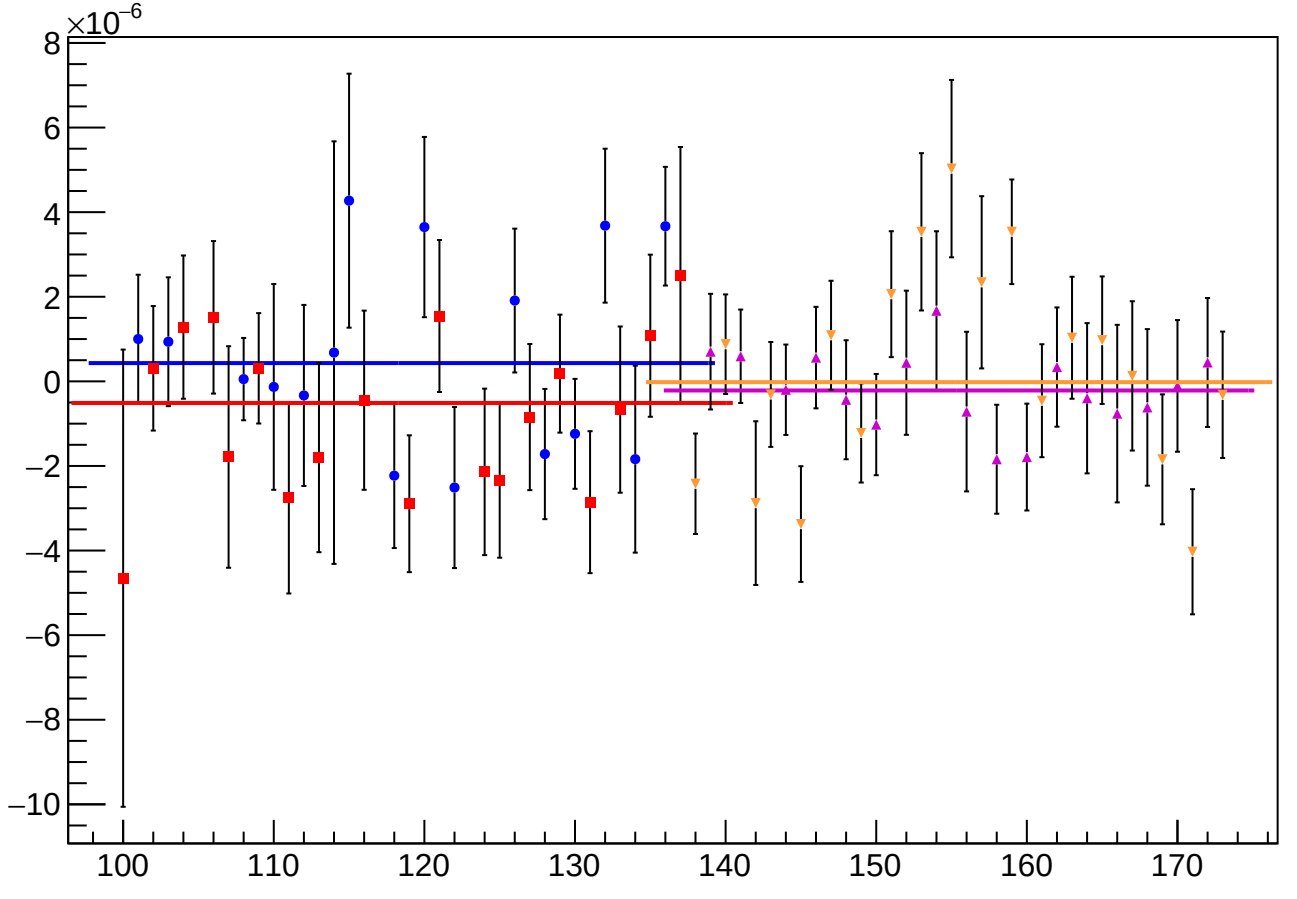
Left: 14.437+/-0.002 χ^2/NDF: 3030624.6/35

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.554+/-0.002 χ^2/NDF:5462913.8/32

Out: 14.453+/-0.002 χ^2/NDF:4648408.6/37

All: 14.501+/-0.002 χ^2/NDF: 10112192.2/70



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:45.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.7/16

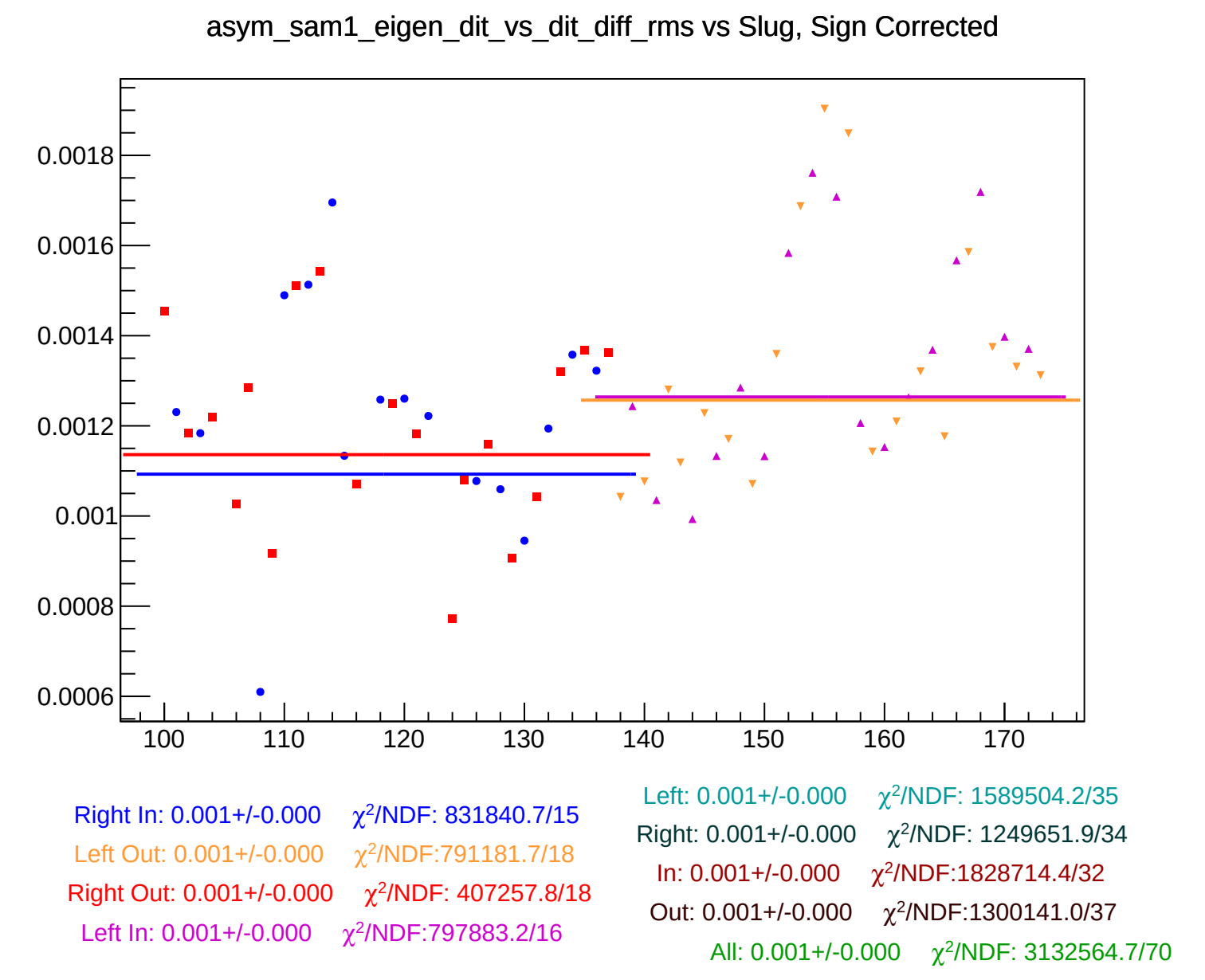
Left: -0.000+/-0.000 χ^2/NDF: 52.5/35

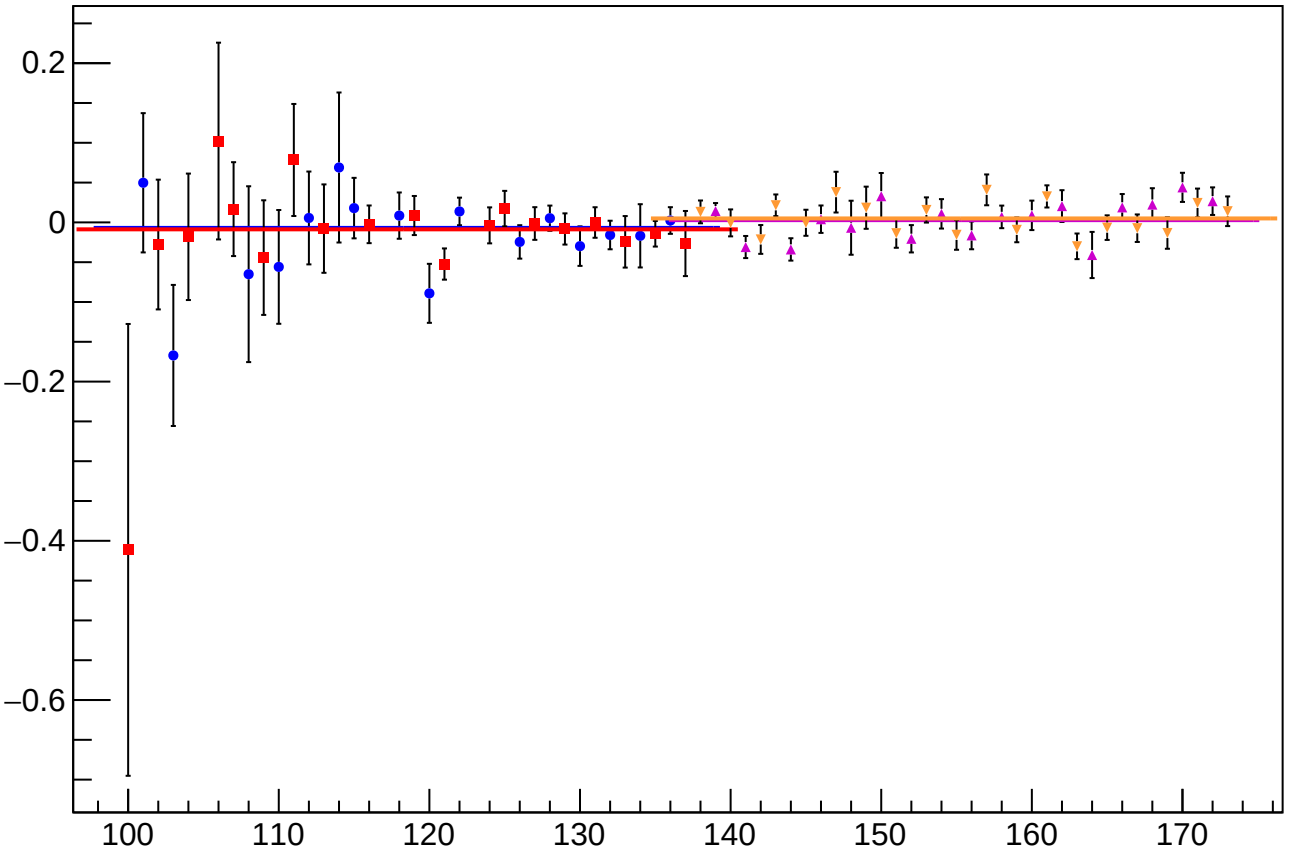
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:31.4/32

Out: -0.000+/-0.000 χ^2/NDF:60.8/37

All: -0.000+/-0.000 χ^2/NDF: 92.6/70


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
170
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:791181.7/18
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:797883.2/16
Left: 0.001+/-0.000 χ²/NDF: 1589504.2/35
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:1828714.4/32
Out: 0.001+/-0.000 χ²/NDF:1300141.0/37
All: 0.001+/-0.000 χ²/NDF: 3132564.7/70



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:25.0/18

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.004 χ^2/NDF:30.5/16

Left: 0.004+/-0.003 χ^2/NDF: 55.7/35

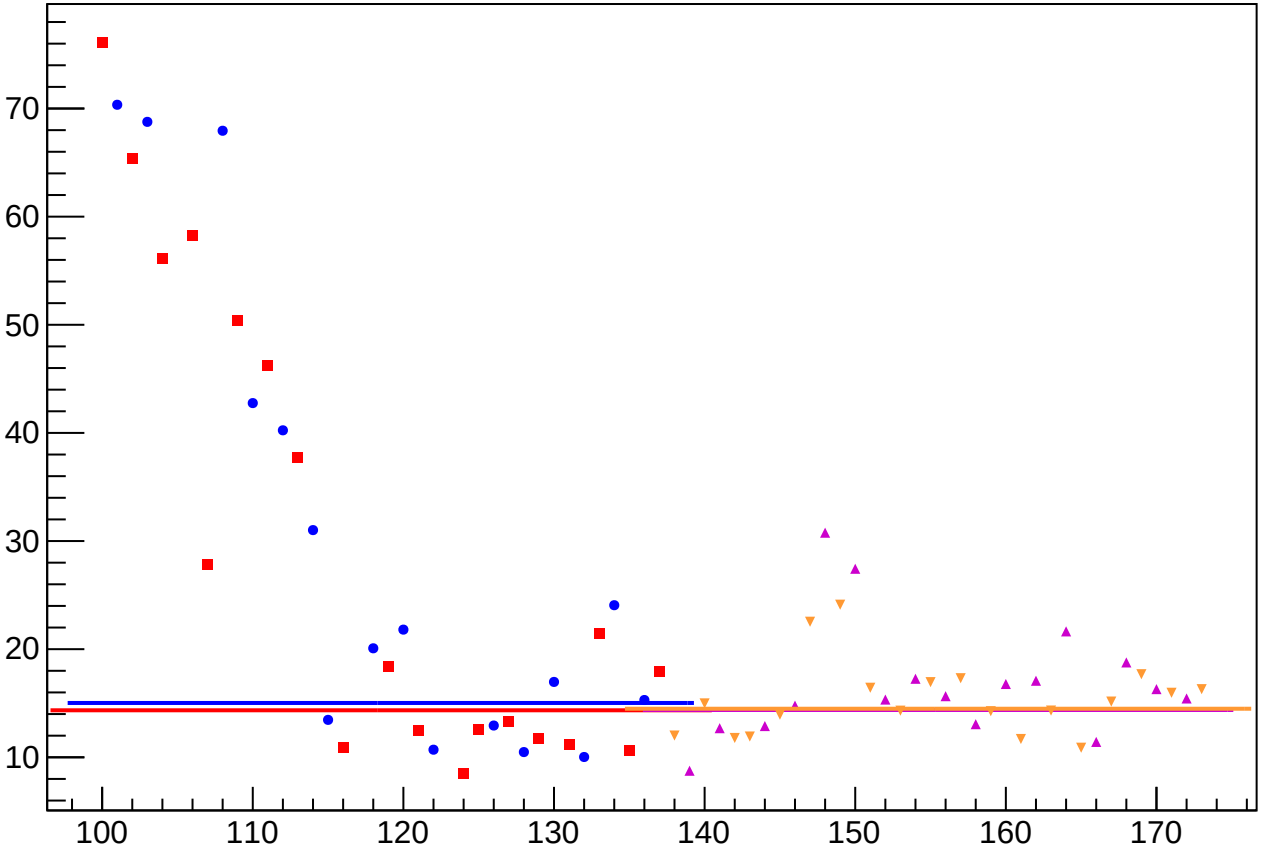
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.000+/-0.004 χ^2/NDF:47.0/32

Out: 0.001+/-0.003 χ^2/NDF:41.0/37

All: 0.001+/-0.002 χ^2/NDF: 88.0/70

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.492+/-0.003 χ^2/NDF:1018722.6/18

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.377+/-0.003 χ^2/NDF:2011216.8/16

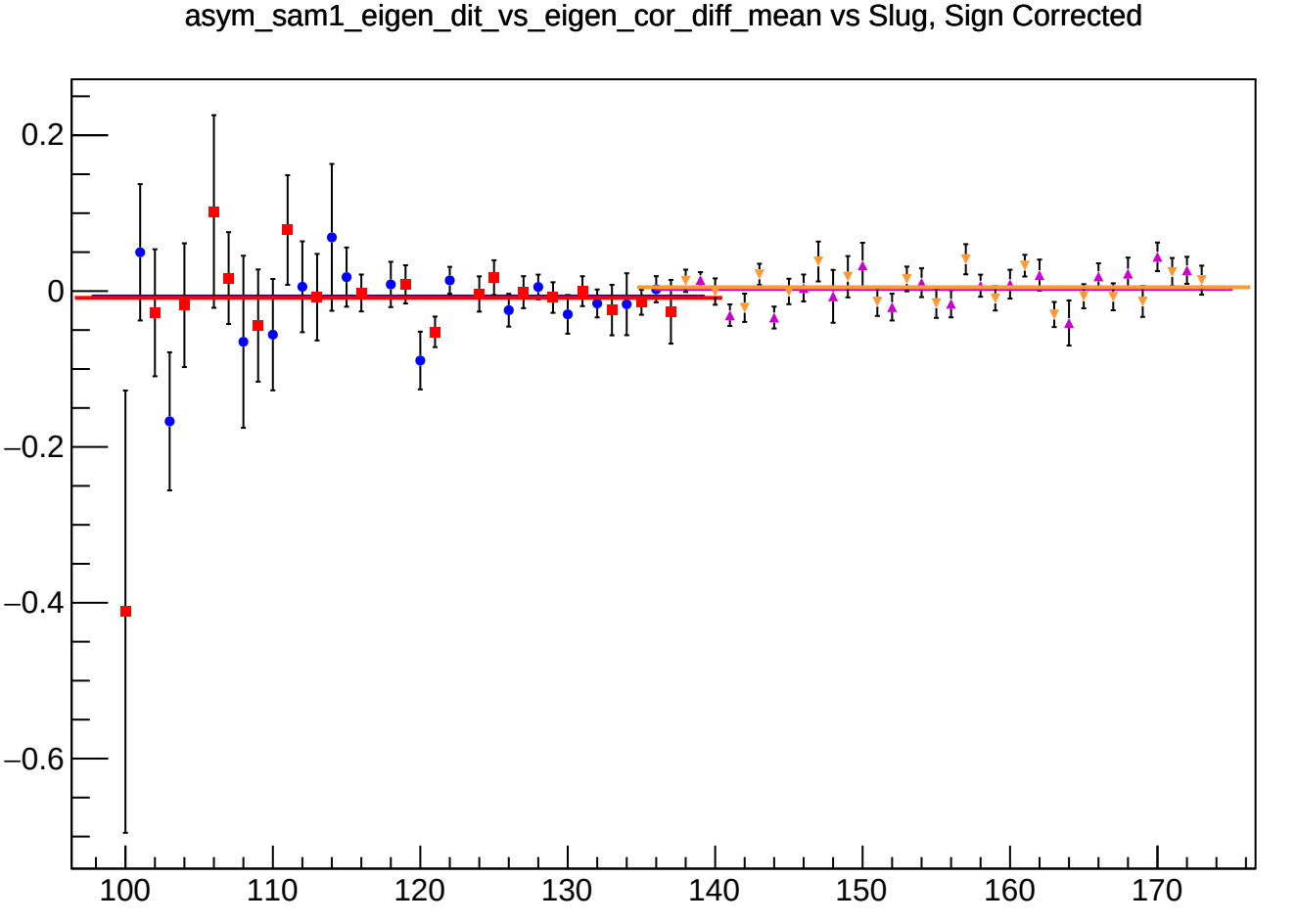
Left: 14.437+/-0.002 χ^2/NDF: 3030752.9/35

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

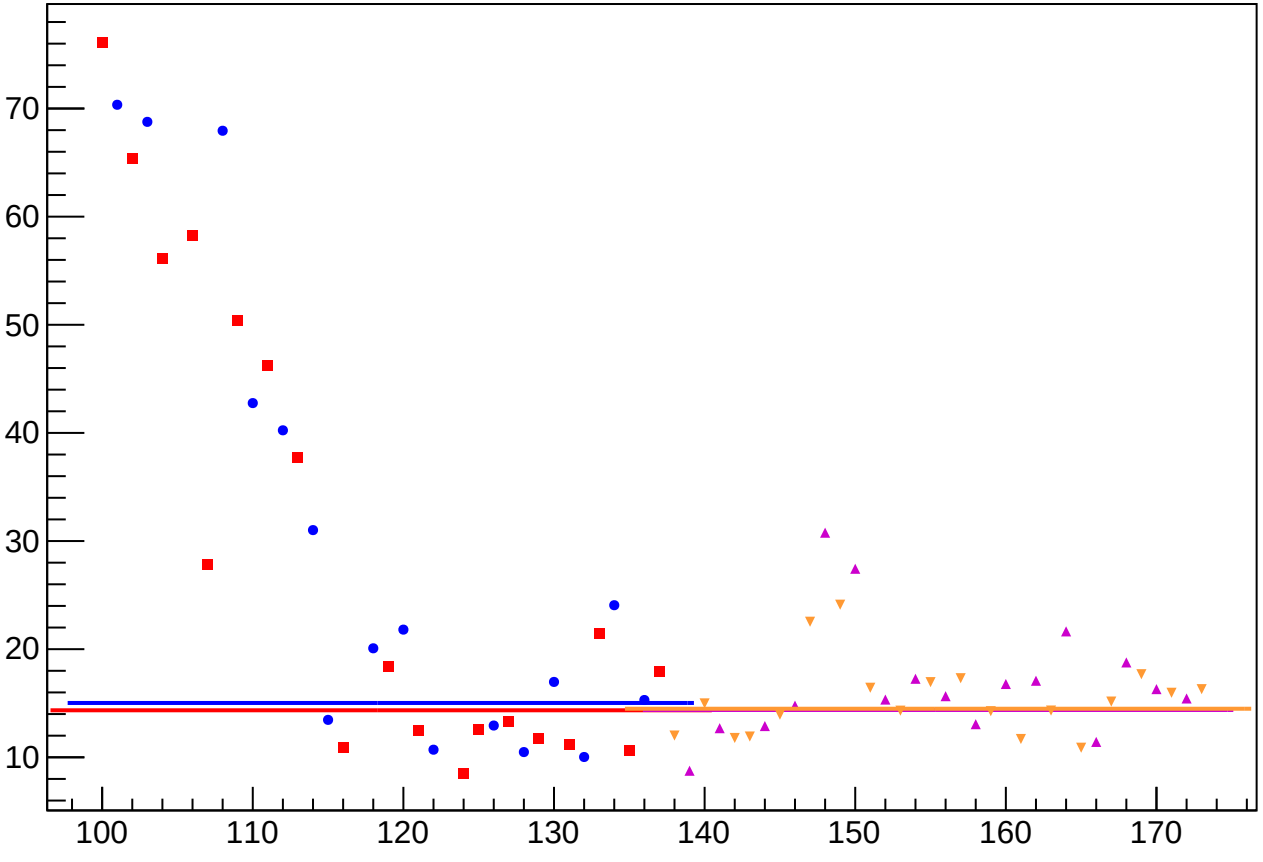
In: 14.553+/-0.002 χ^2/NDF:5462992.9/32

Out: 14.452+/-0.002 χ^2/NDF:4648462.8/37

All: 14.500+/-0.002 χ^2/NDF: 10112325.3/70


asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: -0.007+/-0.007 χ²/NDF: 14.9/15
Left Out: 0.005+/-0.004 χ²/NDF:25.0/18
Right Out: -0.009+/-0.006 χ²/NDF: 12.6/18
Left In: 0.003+/-0.004 χ²/NDF:30.5/16
Left: 0.004+/-0.003 χ²/NDF: 55.7/35
Right: -0.008+/-0.005 χ²/NDF: 27.6/34
In: 0.000+/-0.004 χ²/NDF:47.0/32
Out: 0.001+/-0.003 χ²/NDF:41.0/37
All: 0.001+/-0.002 χ²/NDF: 88.0/70

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.492+/-0.003 χ^2/NDF:1018722.6/18

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.377+/-0.003 χ^2/NDF:2011216.8/16

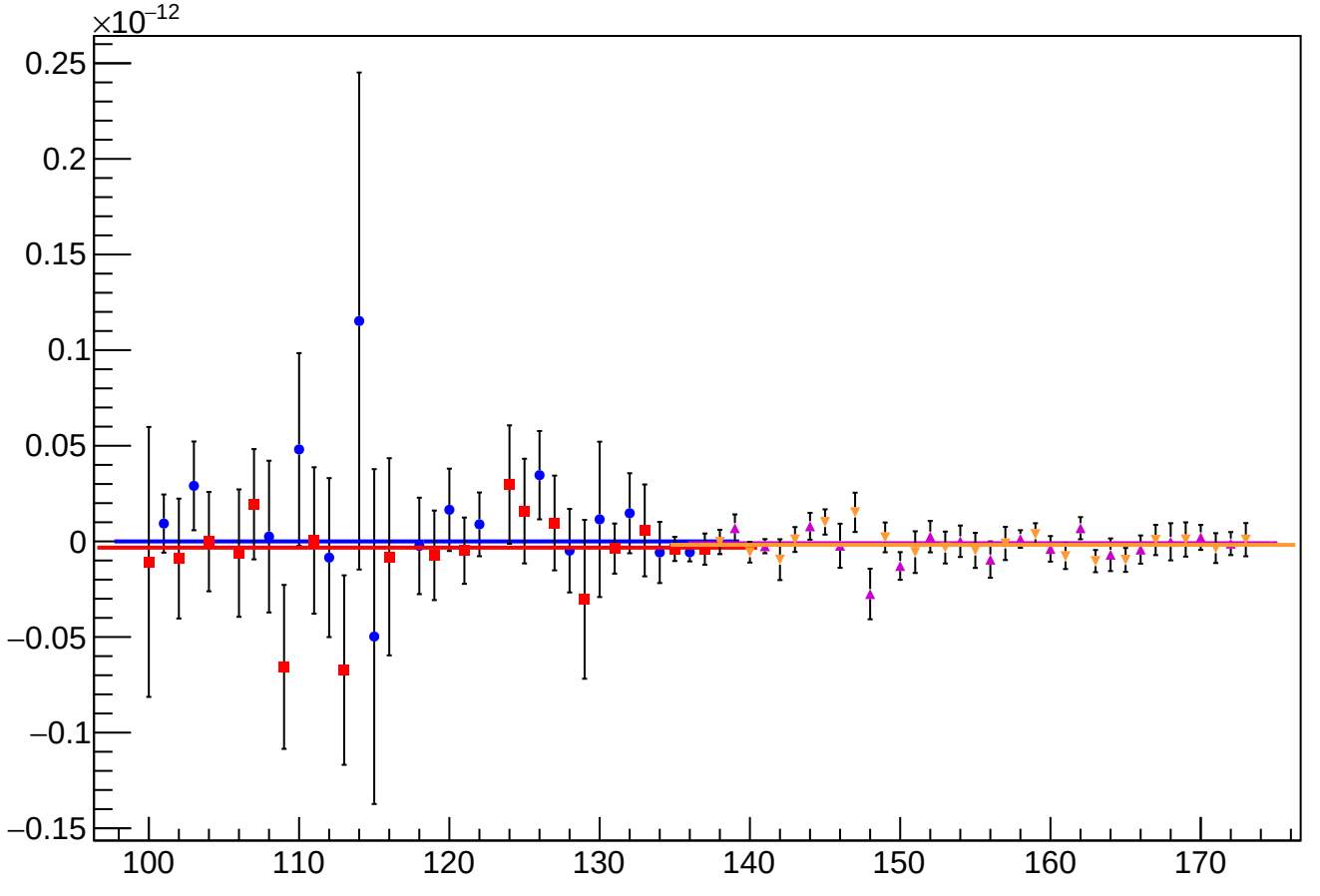
Left: 14.437+/-0.002 χ^2/NDF: 3030752.9/35

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.553+/-0.002 χ^2/NDF:5462992.9/32

Out: 14.452+/-0.002 χ^2/NDF:4648462.8/37

All: 14.500+/-0.002 χ^2/NDF: 10112325.3/70



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.9/16

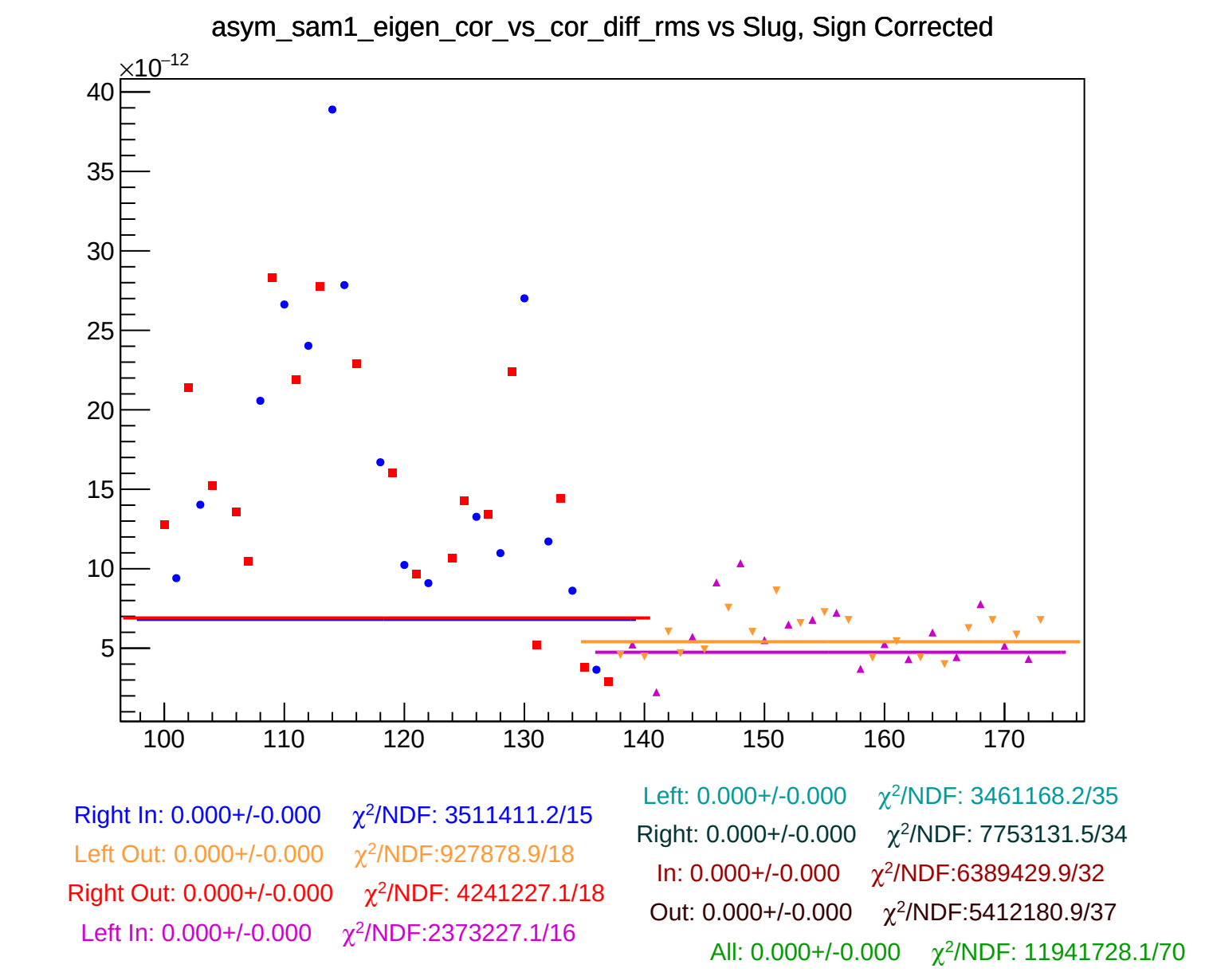
Left: -0.000+/-0.000 χ^2/NDF: 27.7/35

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

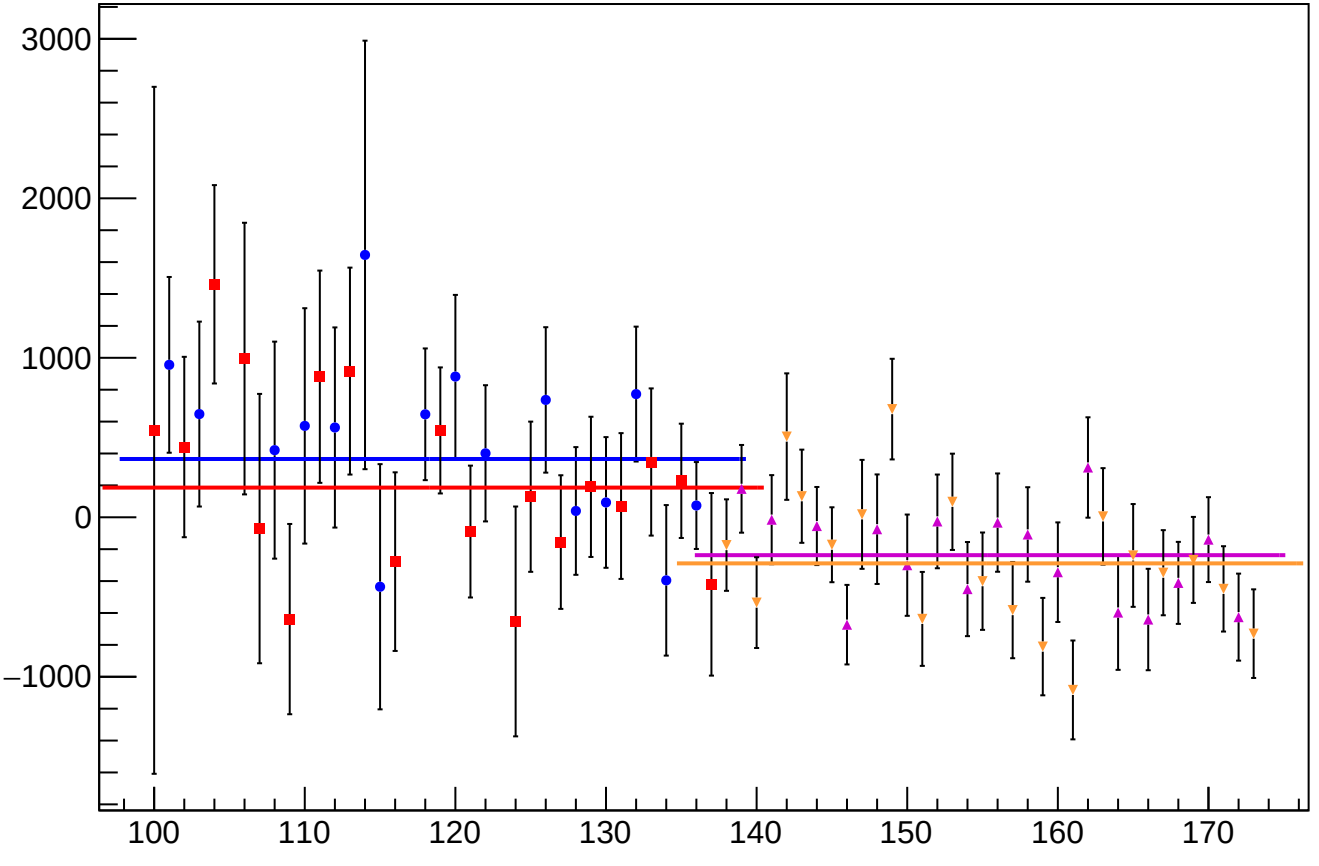
In: -0.000+/-0.000 χ^2/NDF:23.3/32

Out: -0.000+/-0.000 χ^2/NDF:20.7/37

All: -0.000+/-0.000 χ^2/NDF: 44.3/70


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
170
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:927878.9/18
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:2373227.1/16
Left: 0.000+/-0.000 χ²/NDF: 3461168.2/35
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:6389429.9/32
Out: 0.000+/-0.000 χ²/NDF:5412180.9/37
All: 0.000+/-0.000 χ²/NDF: 11941728.1/70

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -288.991+/-67.429 χ^2/NDF:34.9/18

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: -237.498+/-70.211 χ^2/NDF:16.9/16

Left: -264.285+/-48.633 χ^2/NDF: 52.1/35

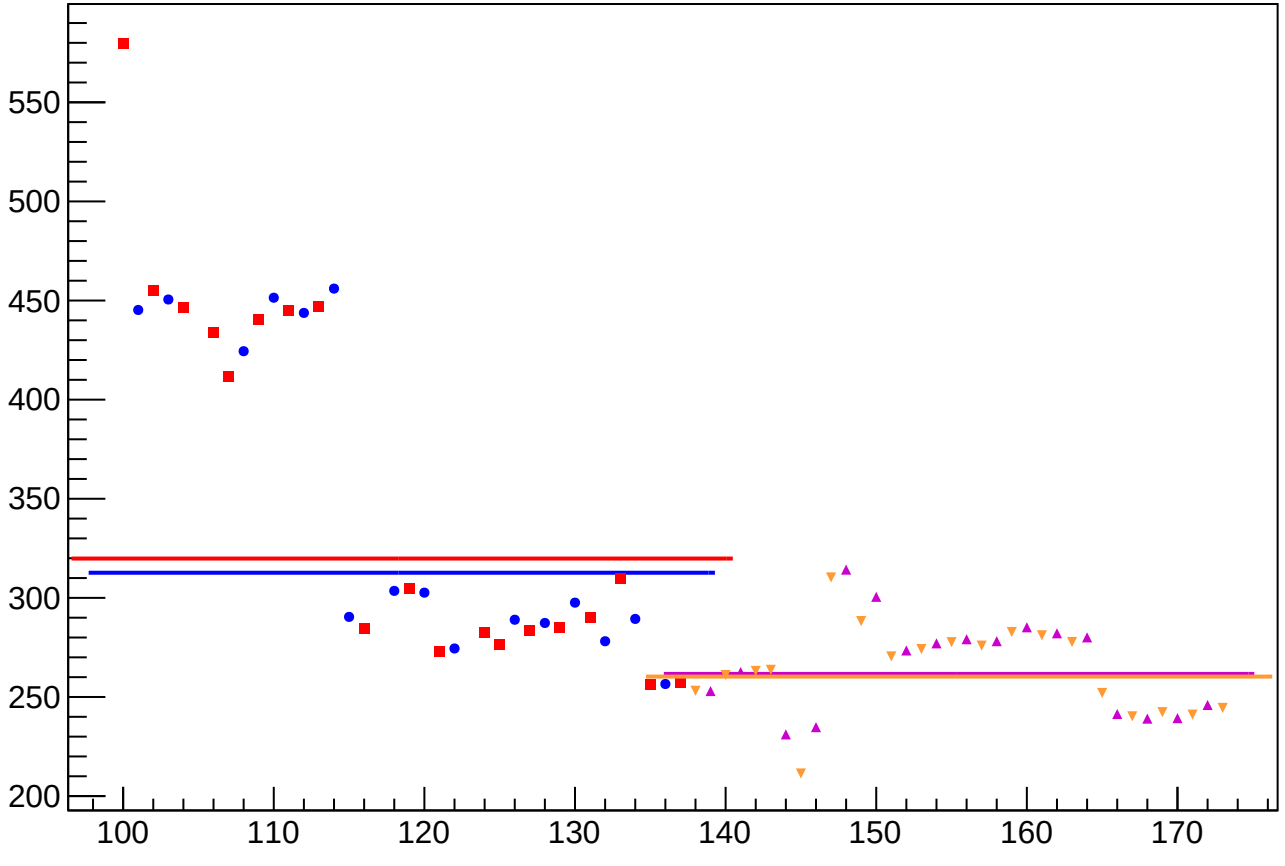
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: -81.534+/-60.454 χ^2/NDF:47.4/32

Out: -175.243+/-58.806 χ^2/NDF:61.8/37

All: -129.683+/-42.153 χ^2/NDF: 110.5/70

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 260.290+/-0.048 χ^2/NDF:230066.2/18

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 261.642+/-0.050 χ^2/NDF:223778.5/16

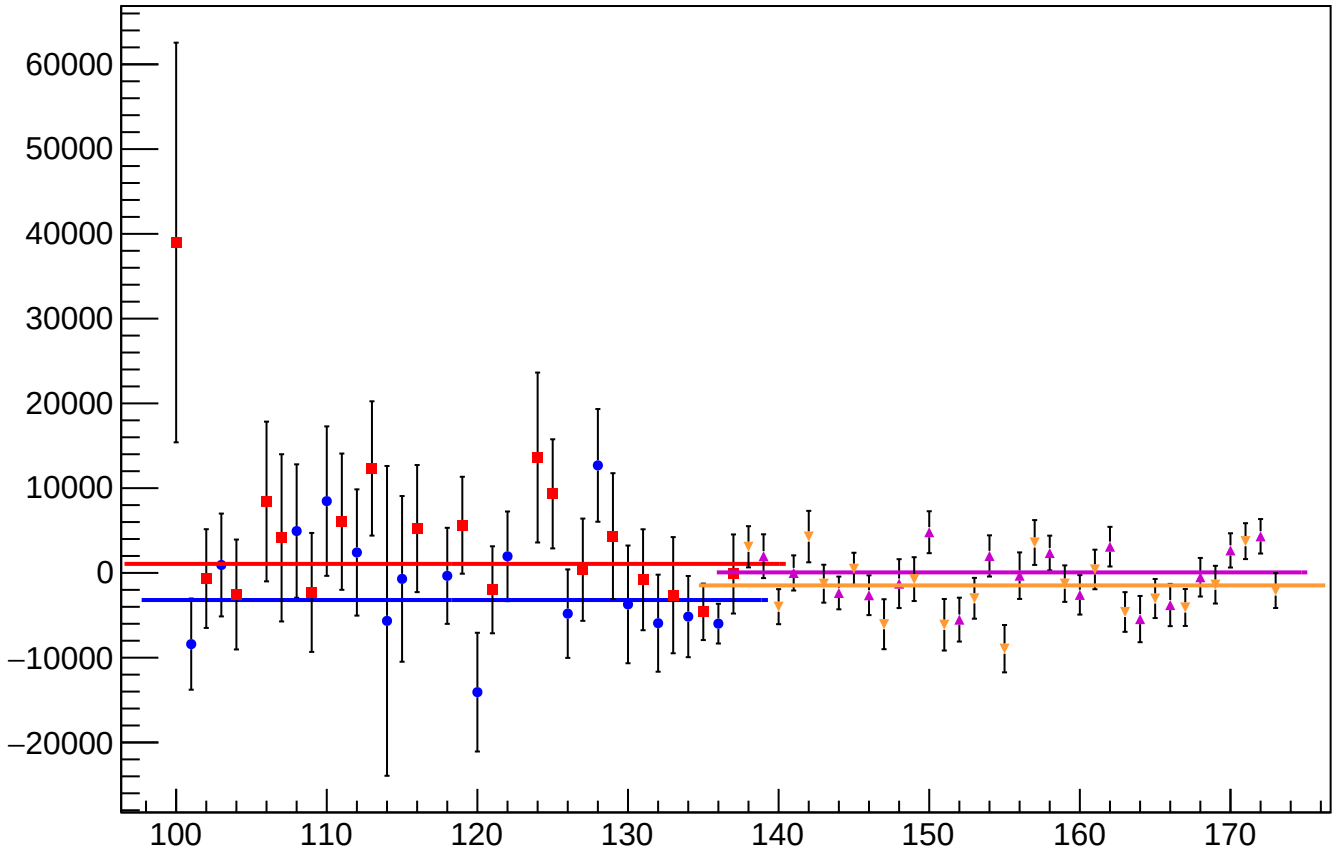
Left: 260.938+/-0.034 χ^2/NDF: 454230.6/35

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 274.843+/-0.043 χ^2/NDF:1099346.7/32

Out: 274.546+/-0.042 χ^2/NDF:1301403.9/37

All: 274.690+/-0.030 χ^2/NDF: 2400775.3/70



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1472.905+/-538.591 χ^2/NDF:36.2/18

Right Out: 1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: 61.793+/-563.600 χ^2/NDF:29.4/16

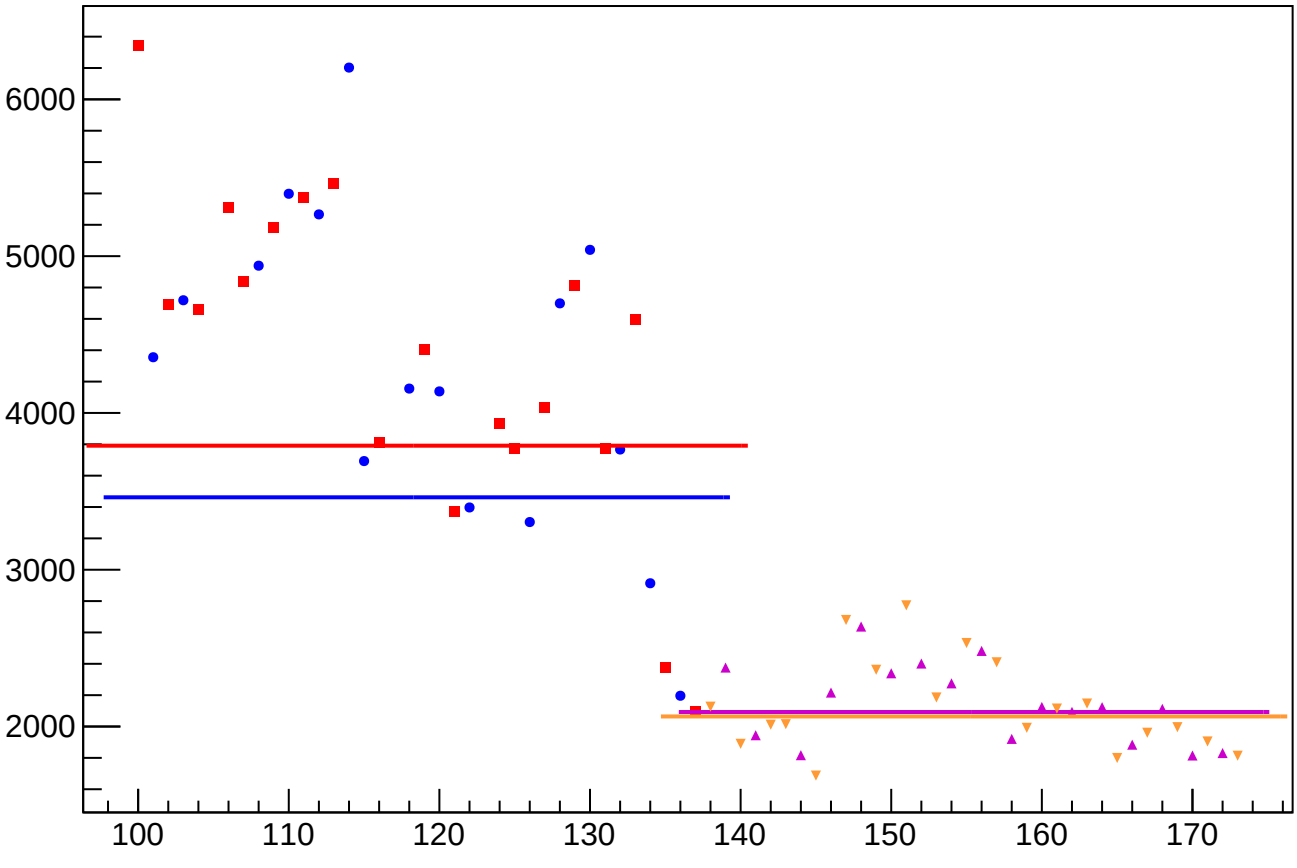
Left: -740.361+/-389.382 χ^2/NDF: 69.5/35

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -419.822+/-520.313 χ^2/NDF:50.4/32

Out: -1162.587+/-504.603 χ^2/NDF:53.3/37

All: -802.587+/-362.235 χ^2/NDF: 104.8/70



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2064.183+/-0.381 χ^2/NDF:493503.1/18

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2092.624+/-0.399 χ^2/NDF:351789.8/16

Left: 2077.758+/-0.275 χ^2/NDF: 847955.1/35

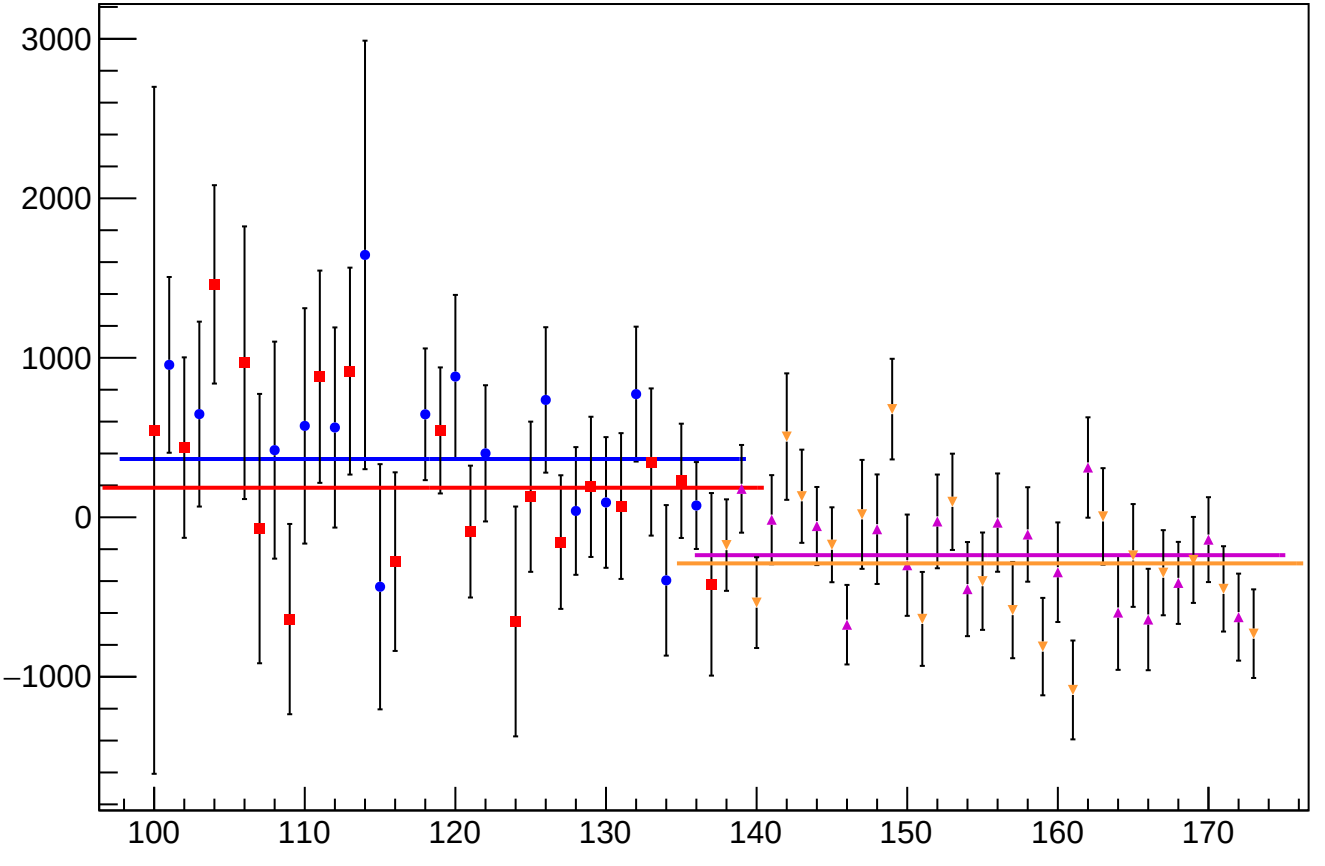
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2294.884+/-0.368 χ^2/NDF:3405178.2/32

Out: 2275.274+/-0.357 χ^2/NDF:4162764.6/37

All: 2284.778+/-0.256 χ^2/NDF: 7569406.9/70

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -288.987+/-67.429 χ^2/NDF:34.9/18

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -237.502+/-70.211 χ^2/NDF:16.9/16

Left: -264.285+/-48.633 χ^2/NDF: 52.1/35

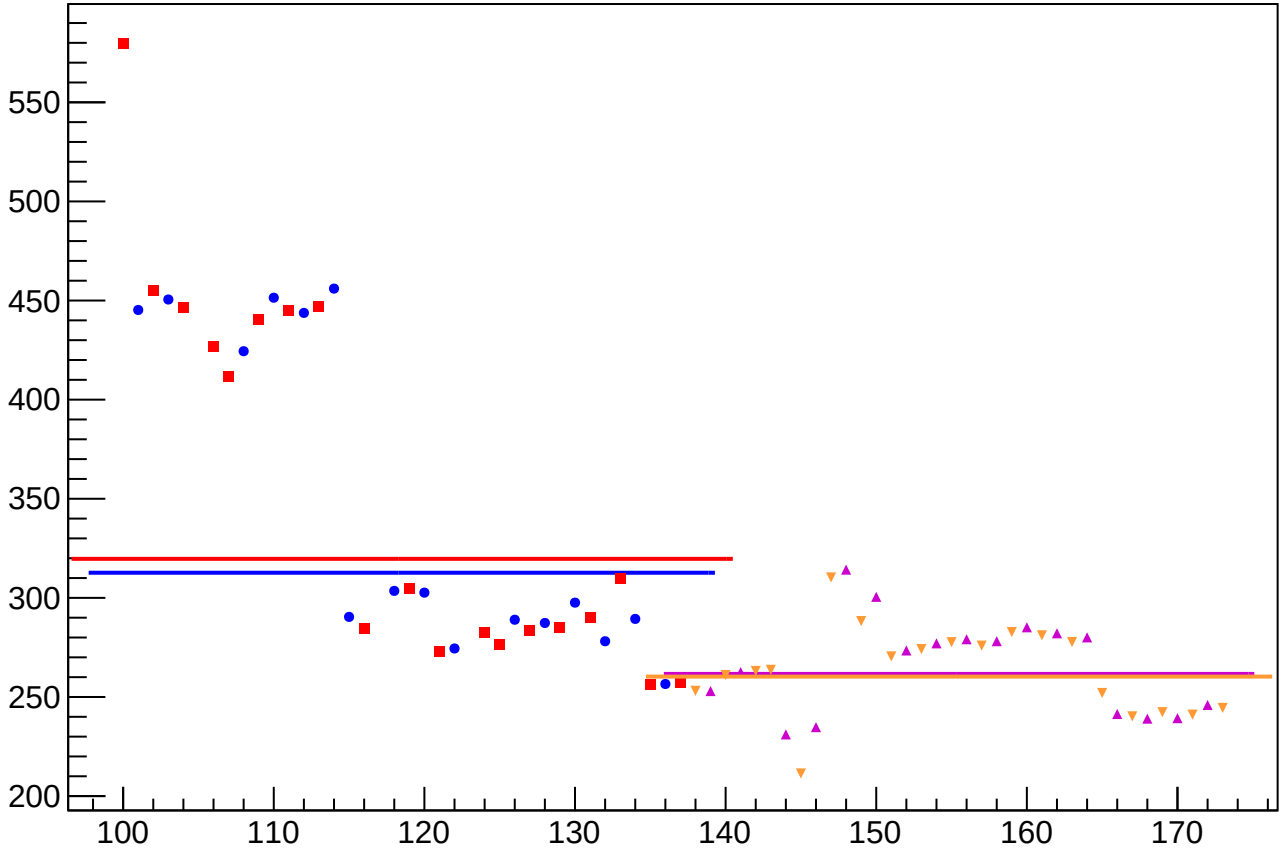
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -81.542+/-60.454 χ^2/NDF:47.4/32

Out: -175.451+/-58.808 χ^2/NDF:61.7/37

All: -129.792+/-42.153 χ^2/NDF: 110.4/70

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 260.290+/-0.048 χ^2/NDF:230066.2/18

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 261.642+/-0.050 χ^2/NDF:223778.5/16

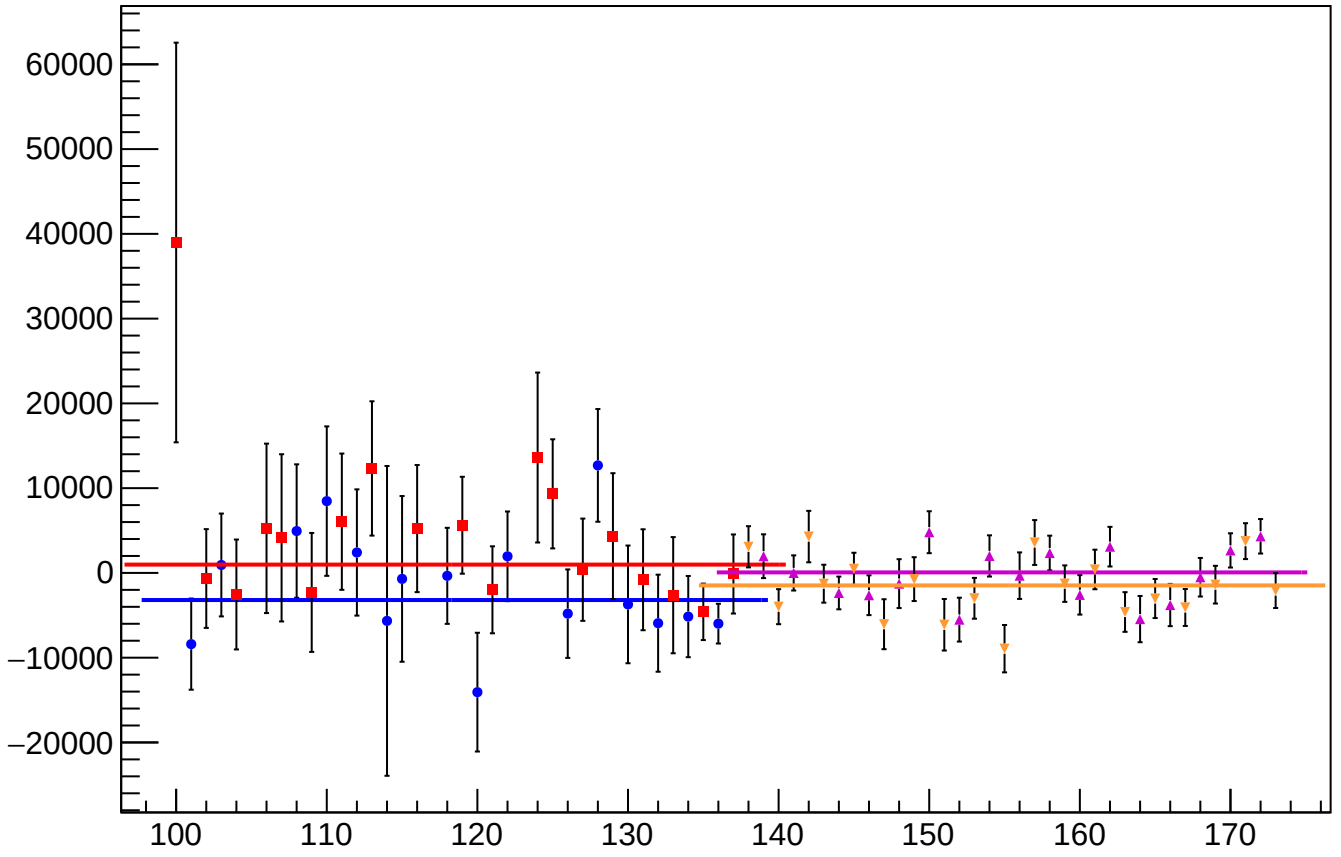
Left: 260.938+/-0.034 χ^2/NDF: 454230.6/35

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 274.843+/-0.043 χ^2/NDF:1099348.3/32

Out: 274.509+/-0.042 χ^2/NDF:1295331.8/37

All: 274.671+/-0.030 χ^2/NDF: 2394711.4/70



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1472.899+/-538.591 χ^2/NDF:36.2/18

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: 61.798+/-563.600 χ^2/NDF:29.4/16

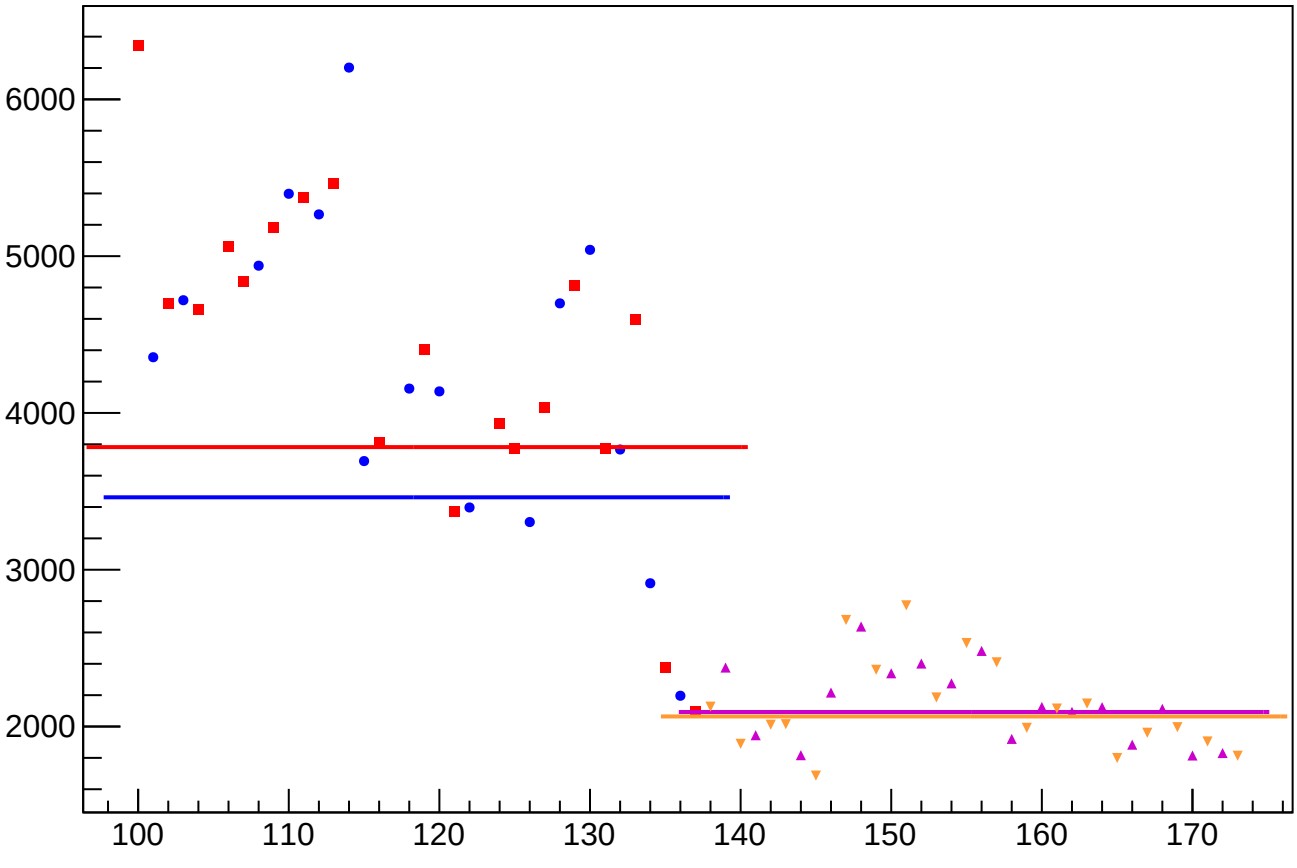
Left: -740.355+/-389.383 χ^2/NDF: 69.5/35

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -419.806+/-520.313 χ^2/NDF:50.4/32

Out: -1173.677+/-504.686 χ^2/NDF:52.7/37

All: -808.233+/-362.265 χ^2/NDF: 104.2/70



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2064.183+/-0.381 χ^2/NDF:493503.5/18

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2092.625+/-0.399 χ^2/NDF:351790.7/16

Left: 2077.759+/-0.275 χ^2/NDF: 847956.4/35

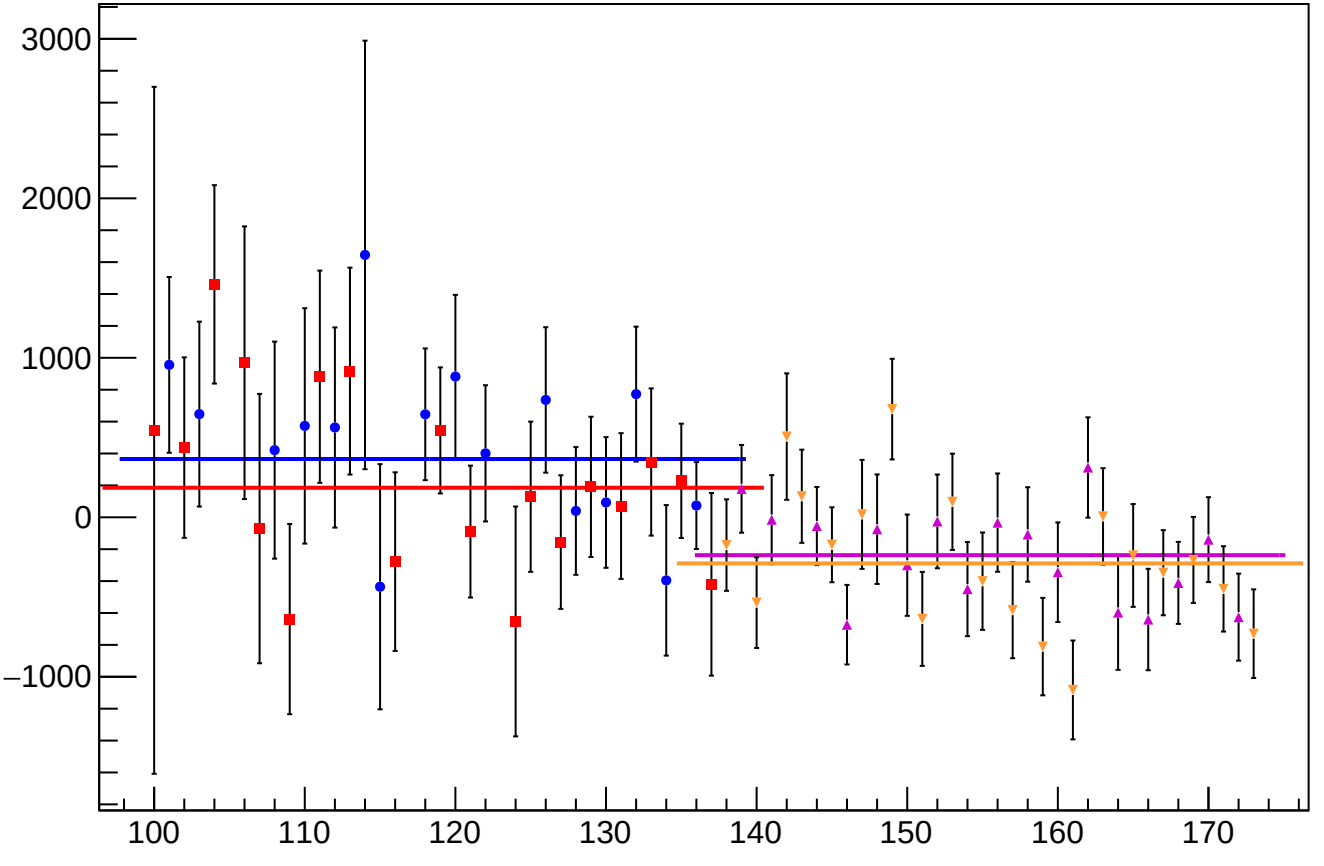
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2294.885+/-0.368 χ^2/NDF:3405197.6/32

Out: 2273.676+/-0.357 χ^2/NDF:4111276.9/37

All: 2283.957+/-0.256 χ^2/NDF: 7518186.8/70

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -288.987+/-67.429 χ^2/NDF:34.9/18

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -237.502+/-70.211 χ^2/NDF:16.9/16

Left: -264.285+/-48.633 χ^2/NDF: 52.1/35

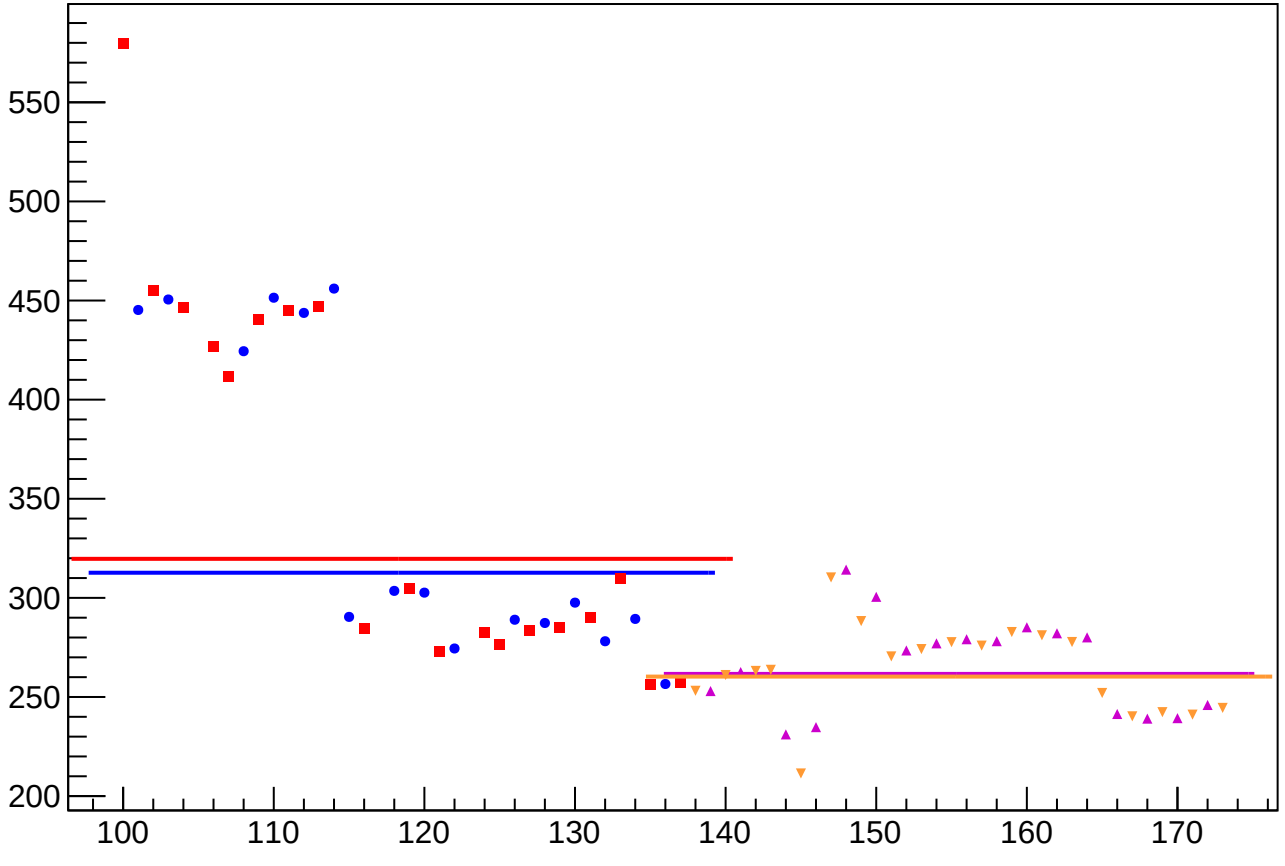
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -81.542+/-60.454 χ^2/NDF:47.4/32

Out: -175.451+/-58.808 χ^2/NDF:61.7/37

All: -129.792+/-42.153 χ^2/NDF: 110.4/70

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 260.290+/-0.048 χ^2/NDF:230066.2/18

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 261.642+/-0.050 χ^2/NDF:223778.5/16

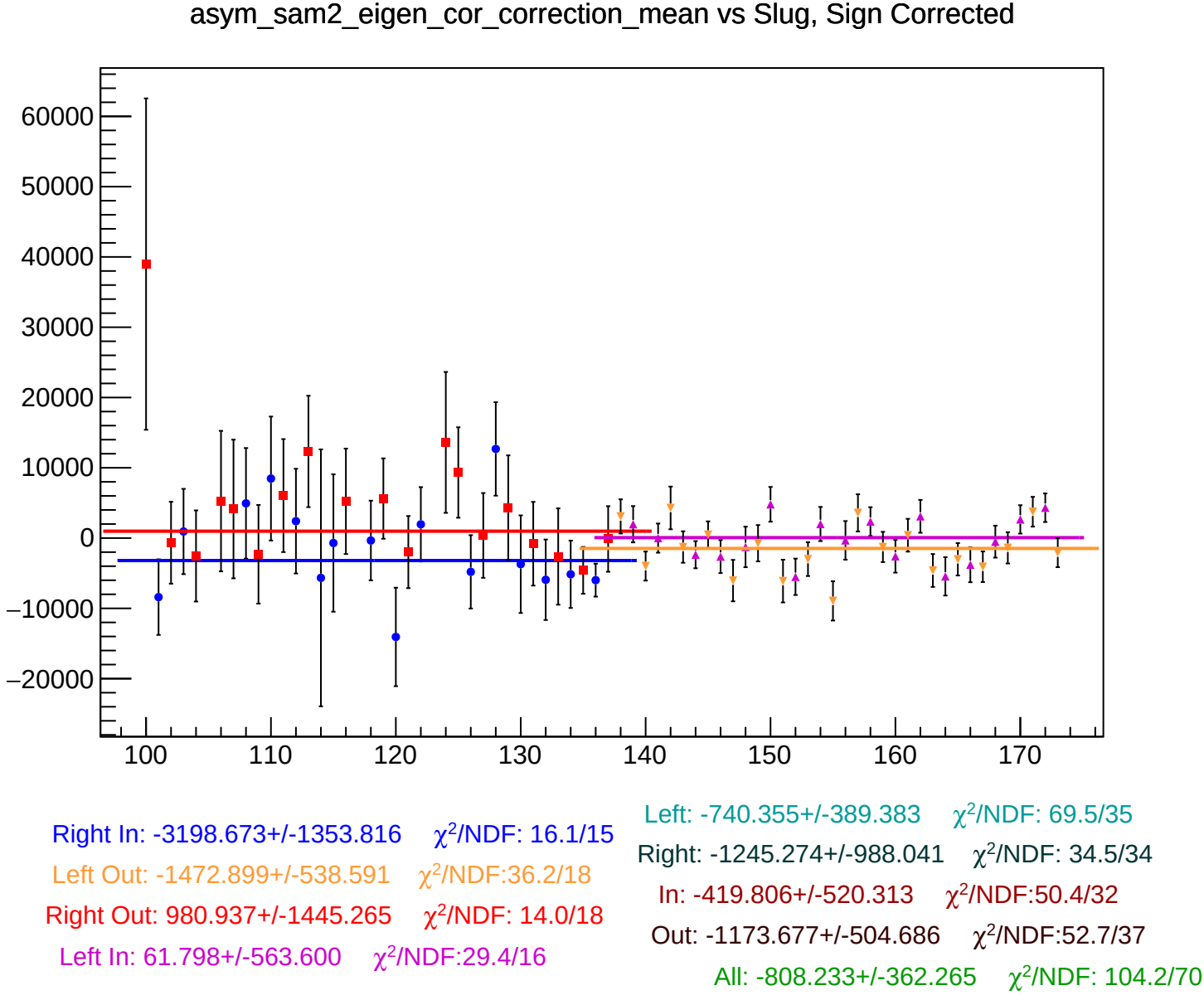
Left: 260.938+/-0.034 χ^2/NDF: 454230.6/35

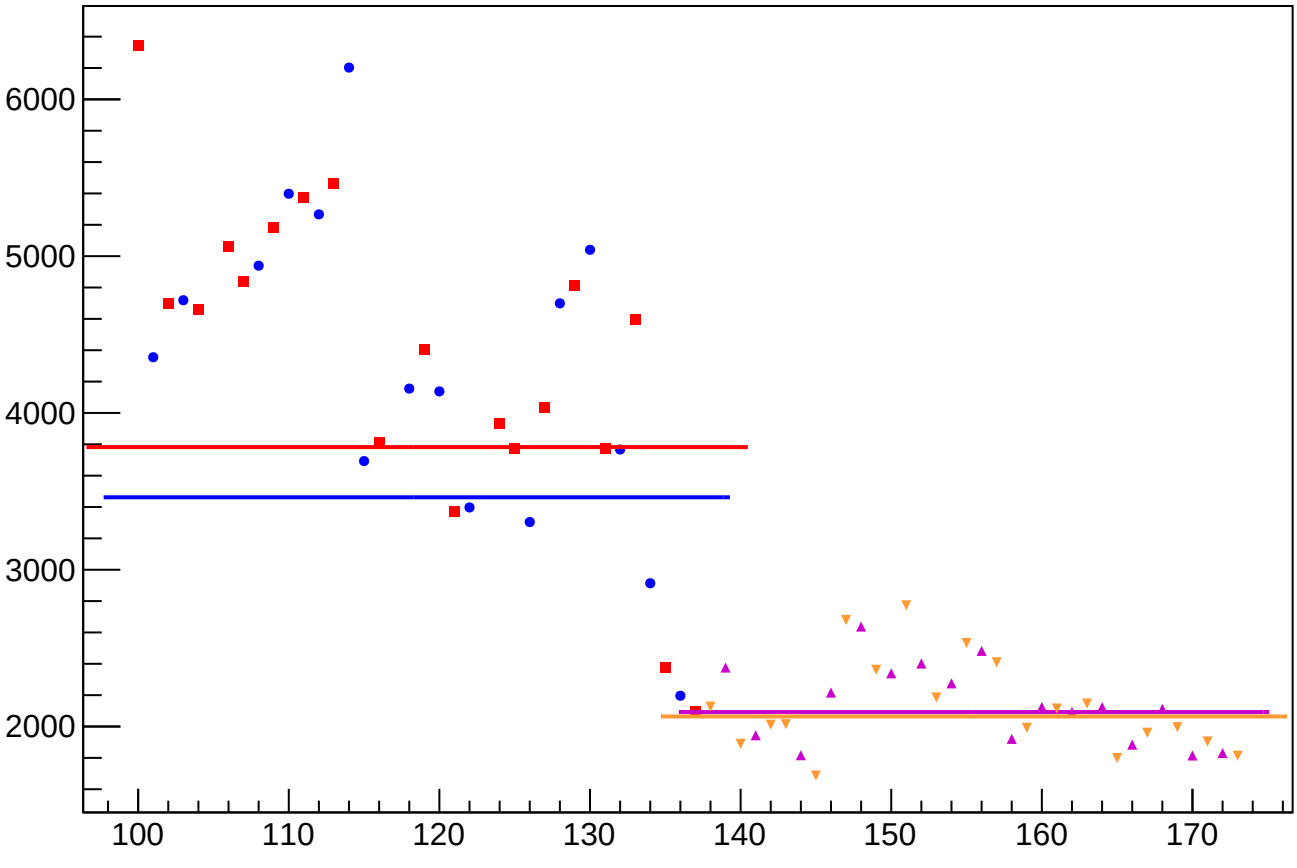
Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 274.843+/-0.043 χ^2/NDF:1099348.3/32

Out: 274.509+/-0.042 χ^2/NDF:1295331.8/37

All: 274.671+/-0.030 χ^2/NDF: 2394711.4/70


asym_sam2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -3198.673+/-1353.816 χ²/NDF: 16.1/15
Left Out: -1472.899+/-538.591 χ²/NDF:36.2/18
Right Out: 980.937+/-1445.265 χ²/NDF: 14.0/18
Left In: 61.798+/-563.600 χ²/NDF:29.4/16
Left: -740.355+/-389.383 χ²/NDF: 69.5/35
Right: -1245.274+/-988.041 χ²/NDF: 34.5/34
In: -419.806+/-520.313 χ²/NDF:50.4/32
Out: -1173.677+/-504.686 χ²/NDF:52.7/37
All: -808.233+/-362.265 χ²/NDF: 104.2/70



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2064.183+/-0.381 χ^2/NDF:493503.5/18

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2092.625+/-0.399 χ^2/NDF:351790.7/16

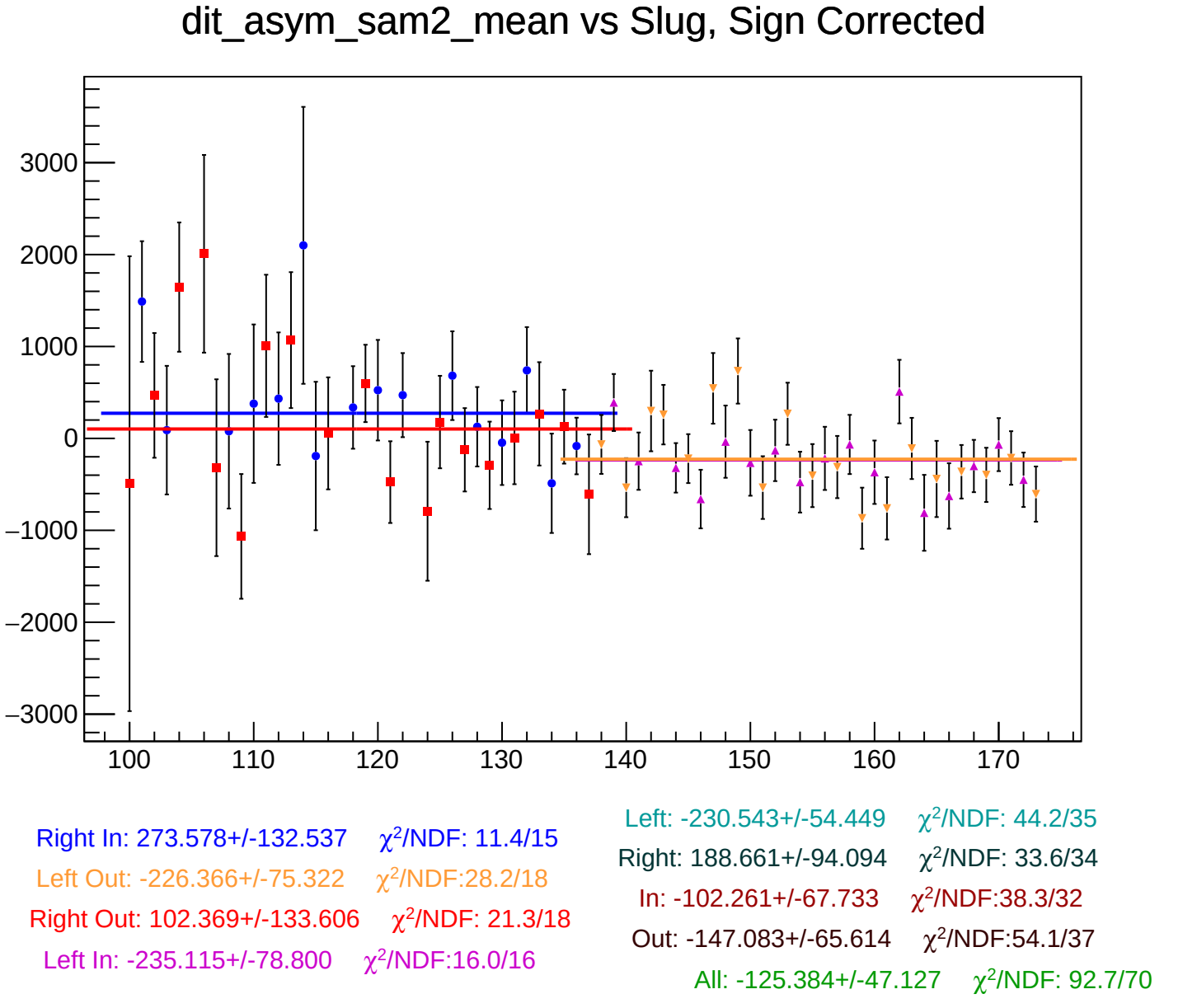
Left: 2077.759+/-0.275 χ^2/NDF: 847956.4/35

Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

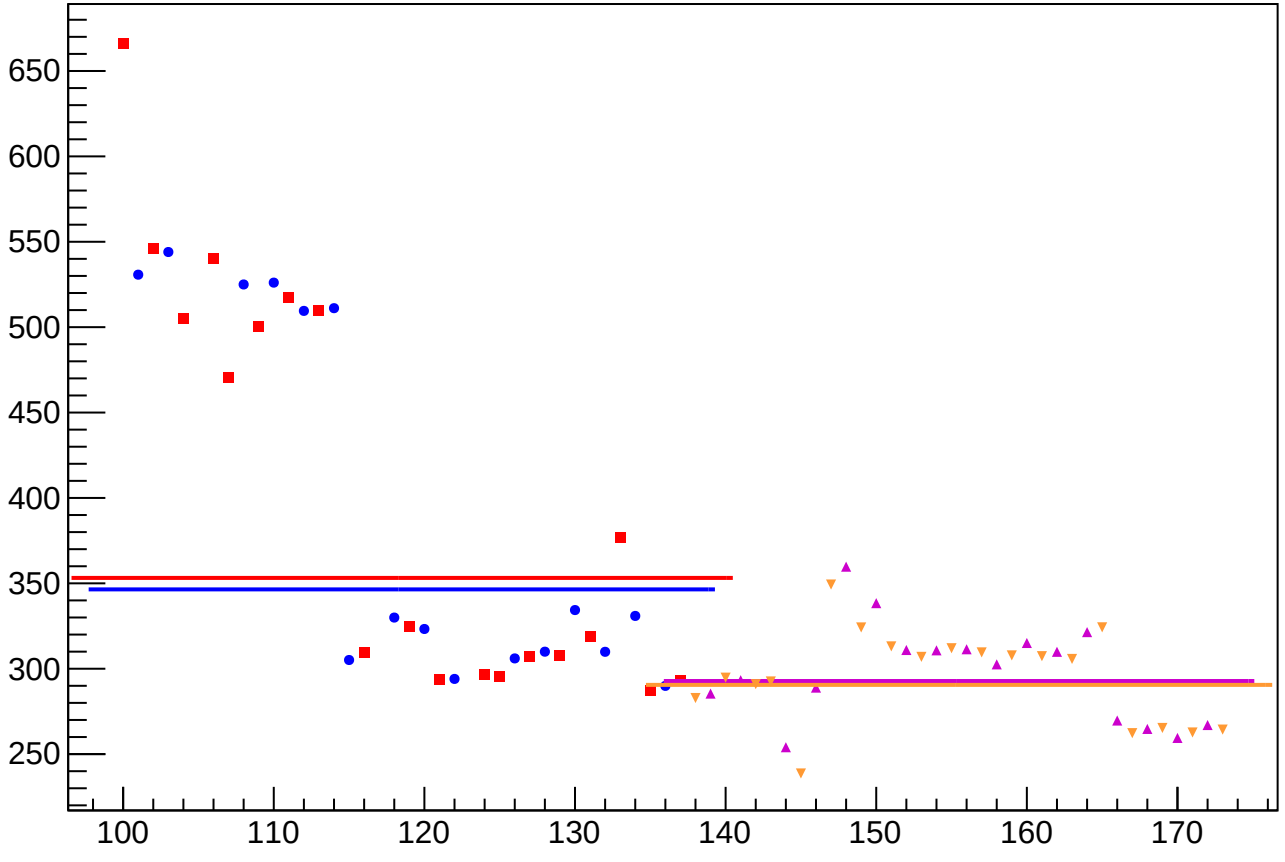
In: 2294.885+/-0.368 χ^2/NDF:3405197.6/32

Out: 2273.676+/-0.357 χ^2/NDF:4111276.9/37

All: 2283.957+/-0.256 χ^2/NDF: 7518186.8/70


dit_asym_sam2_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
Right In: 273.578+/-132.537 χ²/NDF: 11.4/15
Left Out: -226.366+/-75.322 χ²/NDF:28.2/18
Right Out: 102.369+/-133.606 χ²/NDF: 21.3/18
Left In: -235.115+/-78.800 χ²/NDF:16.0/16
Left: -230.543+/-54.449 χ²/NDF: 44.2/35
Right: 188.661+/-94.094 χ²/NDF: 33.6/34
In: -102.261+/-67.733 χ²/NDF:38.3/32
Out: -147.083+/-65.614 χ²/NDF:54.1/37
All: -125.384+/-47.127 χ²/NDF: 92.7/70

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 290.541+/-0.053 χ^2/NDF:264420.9/18

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 292.804+/-0.056 χ^2/NDF:245444.3/16

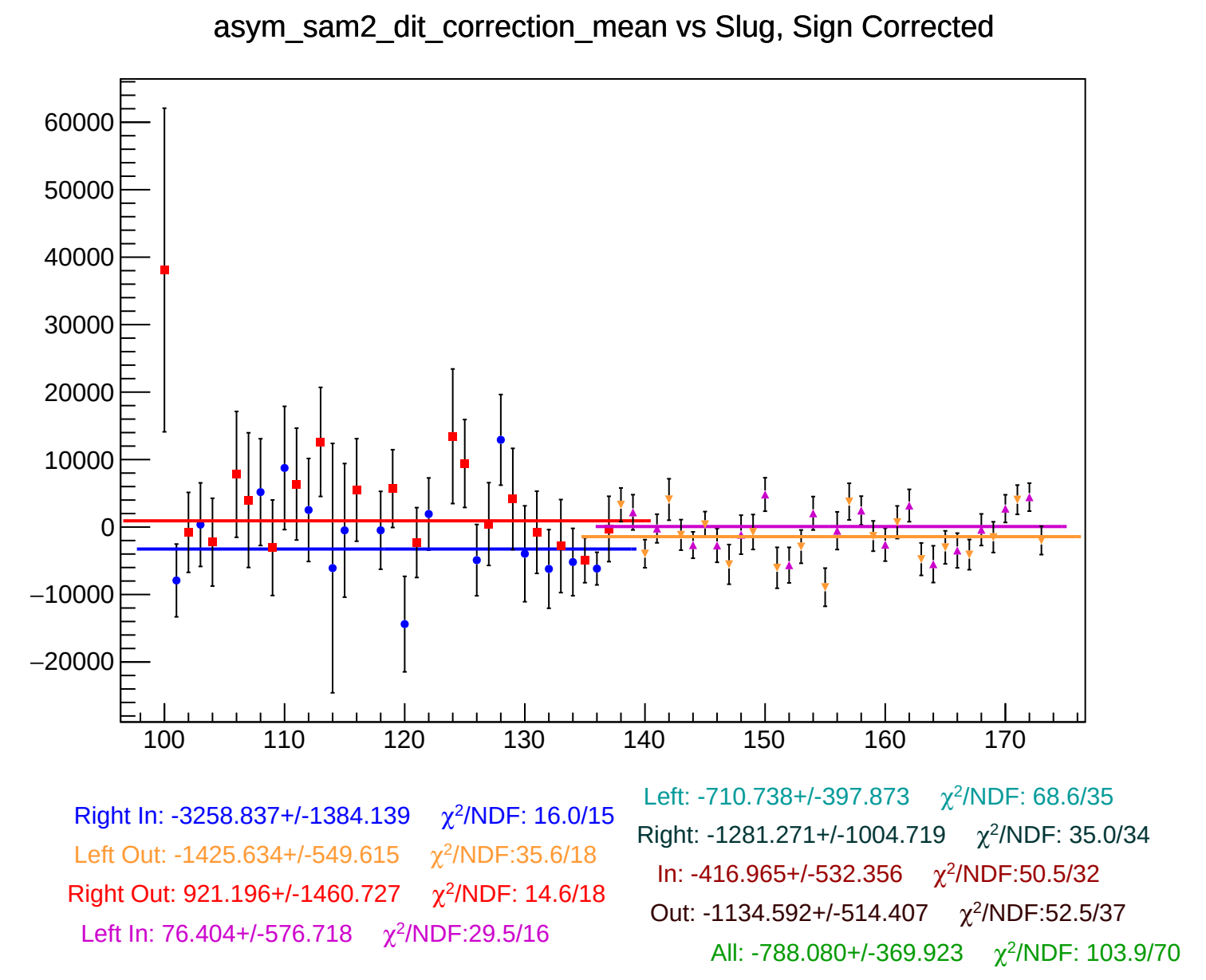
Left: 291.621+/-0.039 χ^2/NDF: 510727.2/35

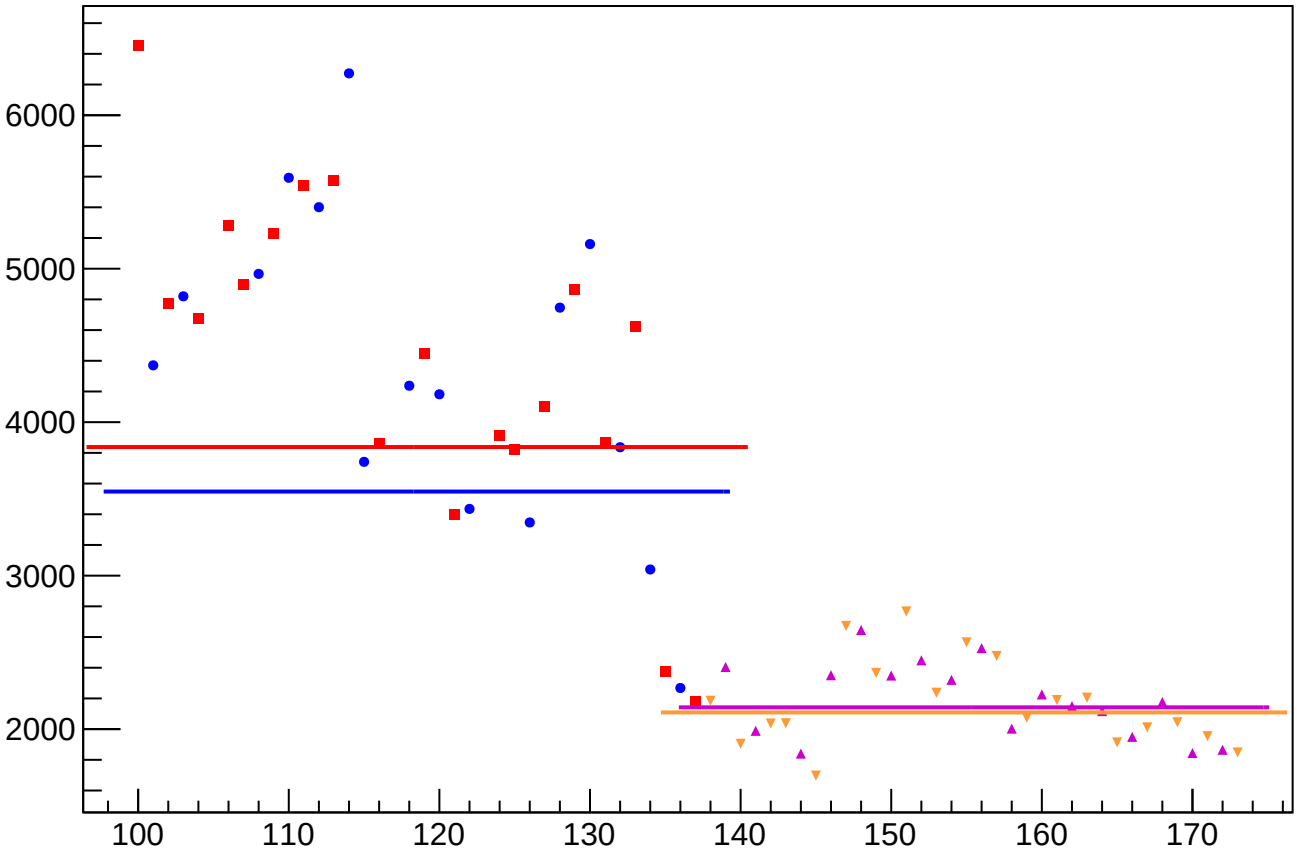
Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 306.816+/-0.048 χ^2/NDF:1256343.1/32

Out: 305.647+/-0.046 χ^2/NDF:1464350.2/37

All: 306.213+/-0.033 χ^2/NDF: 2721000.3/70


asym_sam2_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -3258.837+/-1384.139 χ²/NDF: 16.0/15
Left Out: -1425.634+/-549.615 χ²/NDF:35.6/18
Right Out: 921.196+/-1460.727 χ²/NDF: 14.6/18
Left In: 76.404+/-576.718 χ²/NDF:29.5/16
Left: -710.738+/-397.873 χ²/NDF: 68.6/35
Right: -1281.271+/-1004.719 χ²/NDF: 35.0/34
In: -416.965+/-532.356 χ²/NDF:50.5/32
Out: -1134.592+/-514.407 χ²/NDF:52.5/37
All: -788.080+/-369.923 χ²/NDF: 103.9/70



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2108.749+/-0.389 χ^2/NDF:464650.9/18

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2141.894+/-0.408 χ^2/NDF:342690.7/16

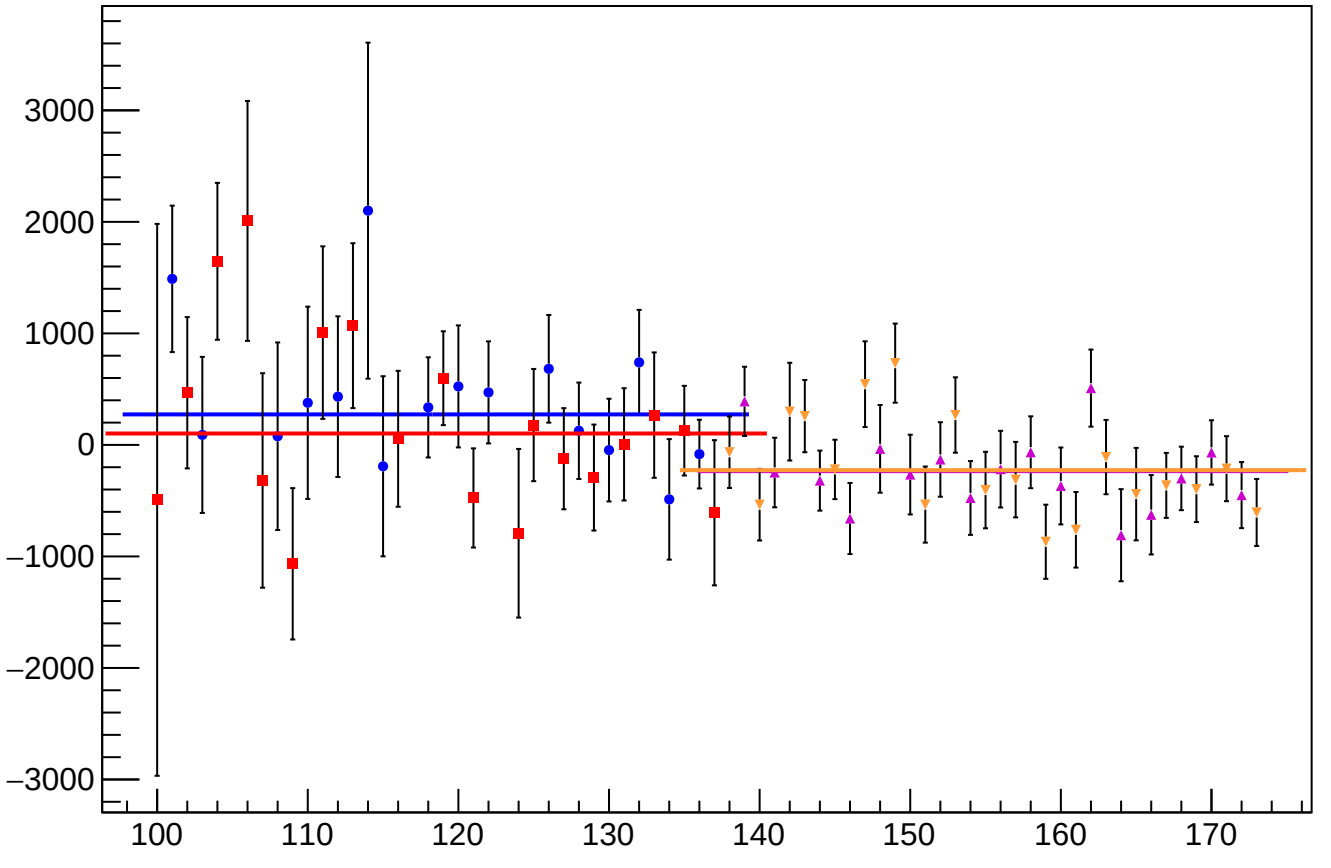
Left: 2124.524+/-0.281 χ^2/NDF: 810803.5/35

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2349.889+/-0.376 χ^2/NDF:3359768.3/32

Out: 2323.199+/-0.364 χ^2/NDF:4075695.4/37

All: 2336.086+/-0.262 χ^2/NDF: 7438063.4/70



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -226.371+/-75.322 χ^2/NDF:28.2/18

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: -235.119+/-78.800 χ^2/NDF:16.0/16

Left: -230.548+/-54.449 χ^2/NDF: 44.2/35

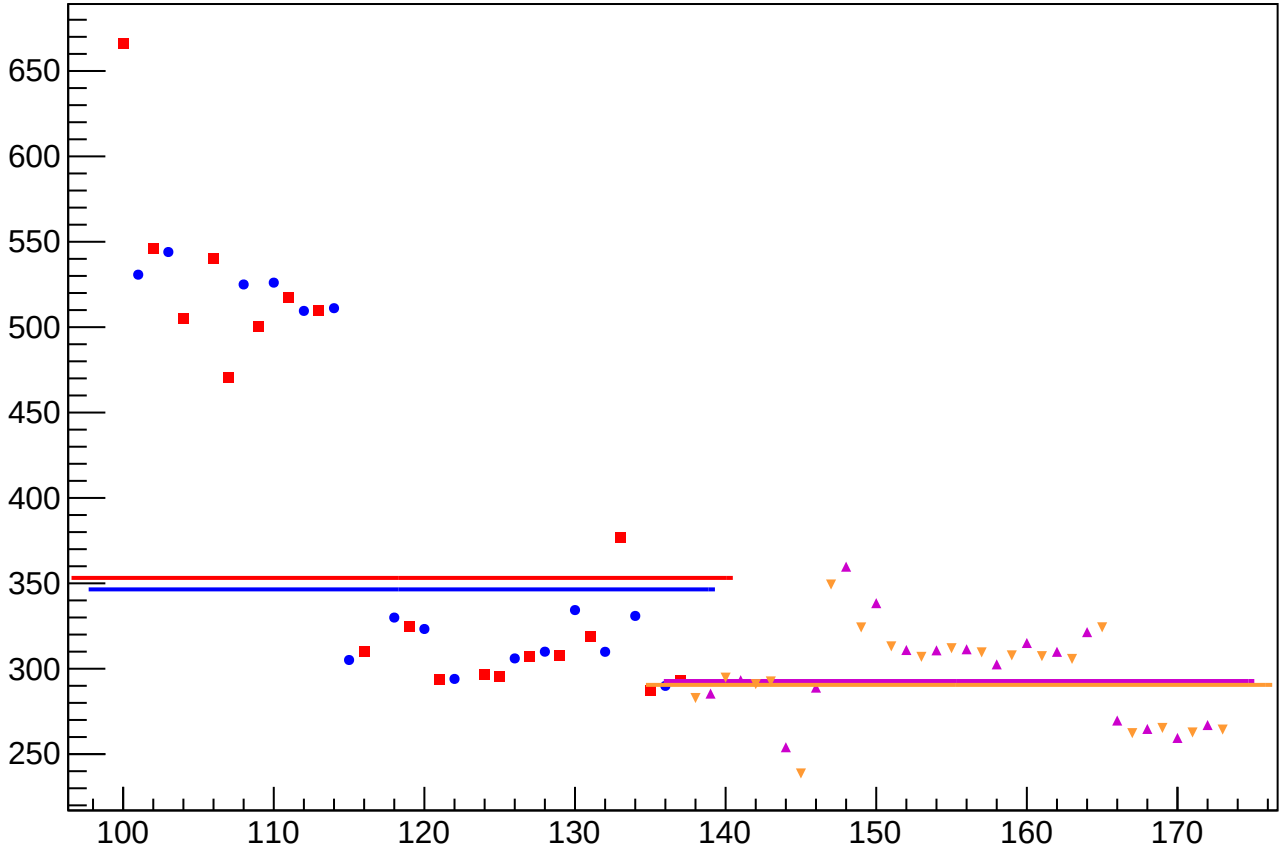
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: -102.261+/-67.732 χ^2/NDF:38.3/32

Out: -147.087+/-65.613 χ^2/NDF:54.1/37

All: -125.386+/-47.127 χ^2/NDF: 92.7/70

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 290.541+/-0.053 χ^2/NDF:264426.4/18

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 292.804+/-0.056 χ^2/NDF:245447.5/16

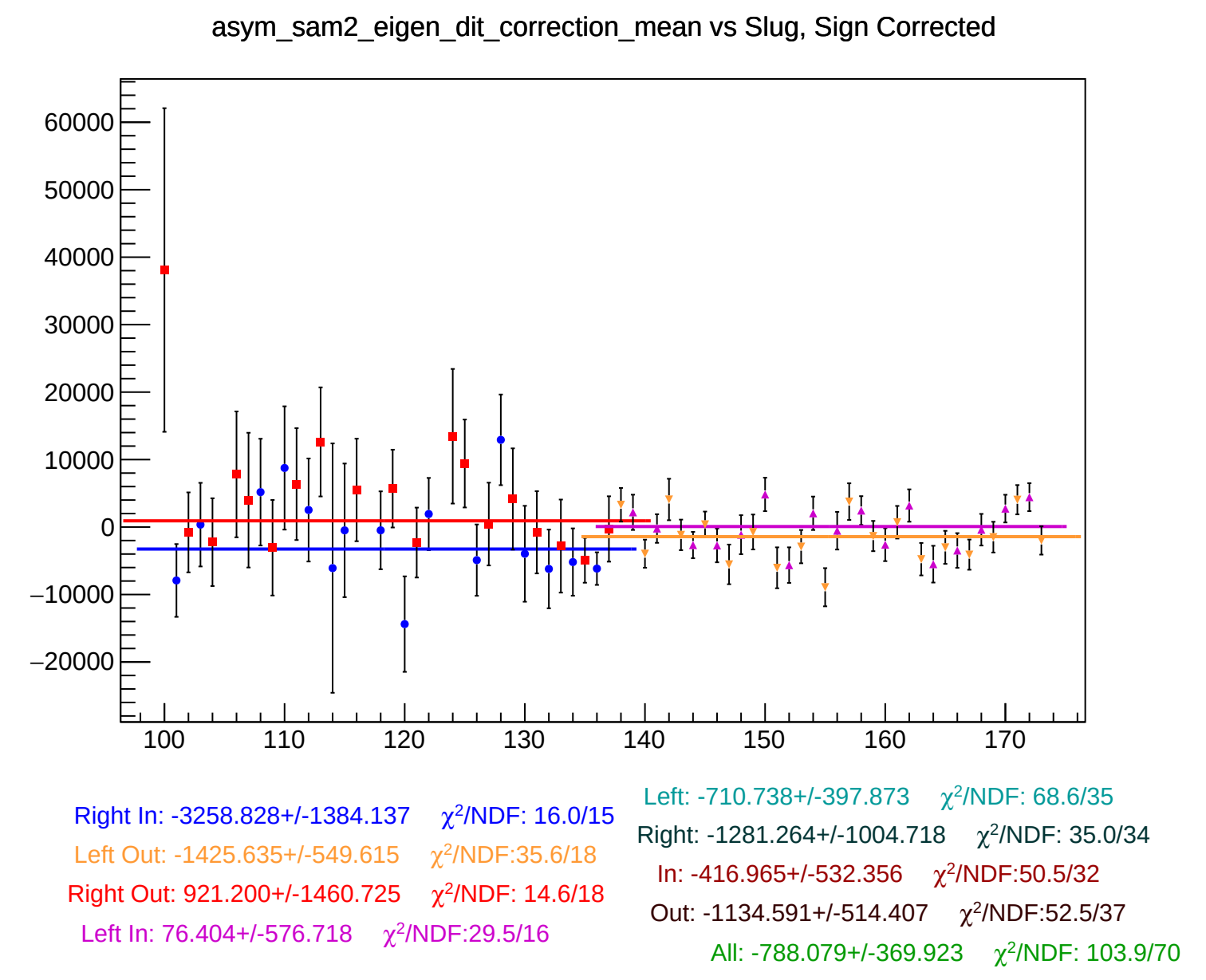
Left: 291.621+/-0.039 χ^2/NDF: 510735.8/35

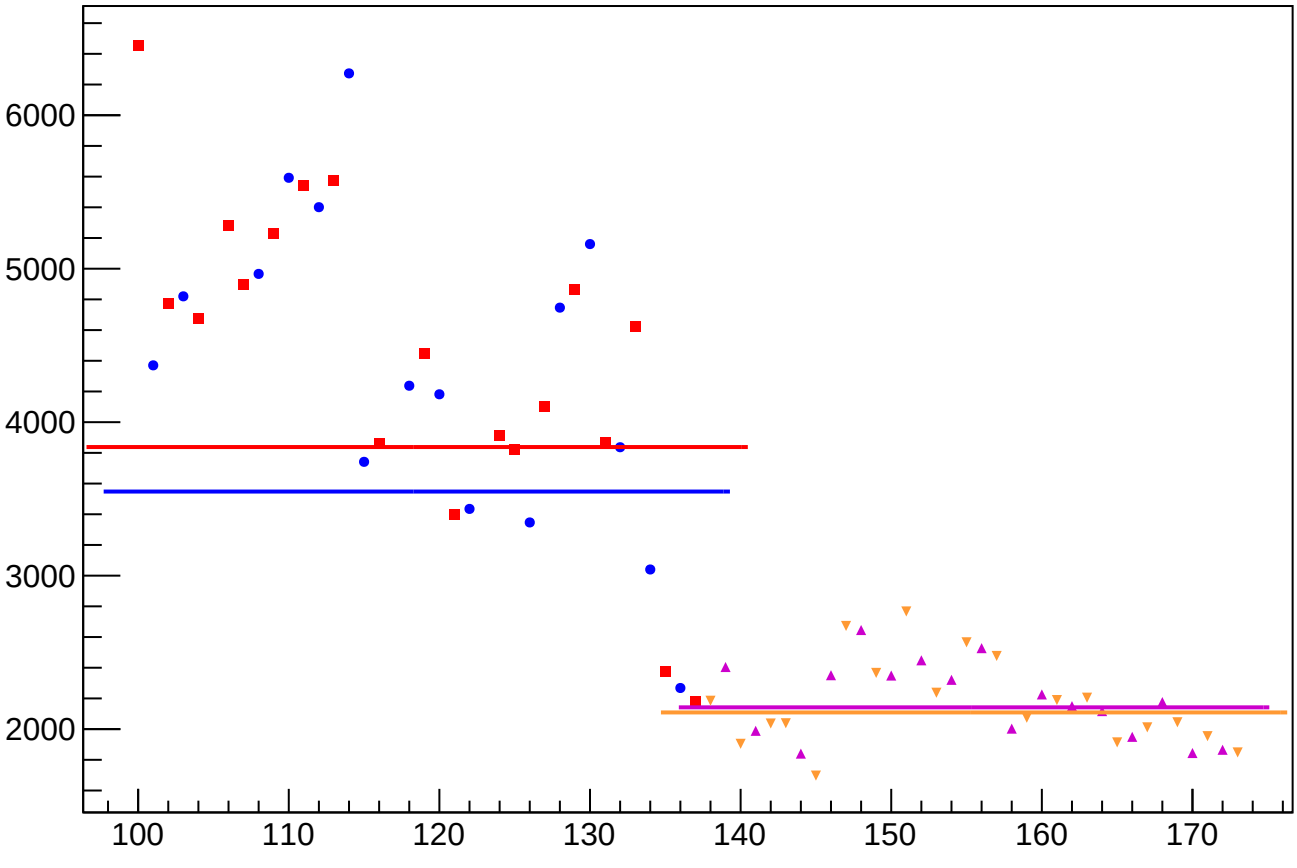
Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 306.815+/-0.048 χ^2/NDF:1256322.1/32

Out: 305.647+/-0.046 χ^2/NDF:1464333.3/37

All: 306.213+/-0.033 χ^2/NDF: 2720962.3/70


asym_sam2_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -3258.828+/-1384.137 χ²/NDF: 16.0/15
Left Out: -1425.635+/-549.615 χ²/NDF:35.6/18
Right Out: 921.200+/-1460.725 χ²/NDF: 14.6/18
Left In: 76.404+/-576.718 χ²/NDF:29.5/16
Left: -710.738+/-397.873 χ²/NDF: 68.6/35
Right: -1281.264+/-1004.718 χ²/NDF: 35.0/34
In: -416.965+/-532.356 χ²/NDF:50.5/32
Out: -1134.591+/-514.407 χ²/NDF:52.5/37
All: -788.079+/-369.923 χ²/NDF: 103.9/70



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2108.749+/-0.389 χ^2/NDF:464655.6/18

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2141.893+/-0.408 χ^2/NDF:342693.2/16

Left: 2124.524+/-0.281 χ^2/NDF: 810810.7/35

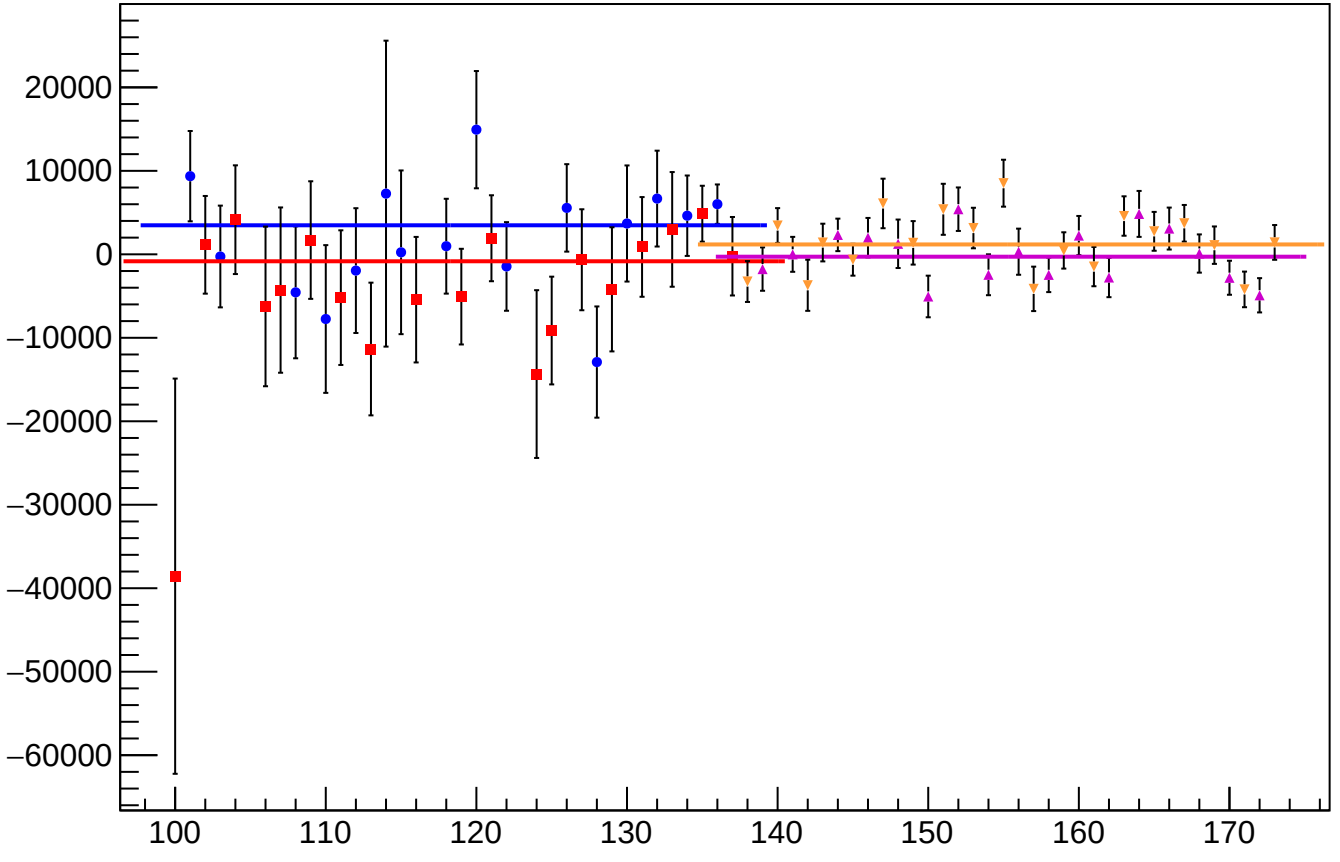
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2349.889+/-0.376 χ^2/NDF:3359754.2/32

Out: 2323.198+/-0.364 χ^2/NDF:4075684.8/37

All: 2336.086+/-0.262 χ^2/NDF: 7438038.9/70

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1183.505+/-542.978 χ^2/NDF:35.7/18

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: -285.030+/-568.158 χ^2/NDF:27.9/16

Left: 482.499+/-392.544 χ^2/NDF: 67.1/35

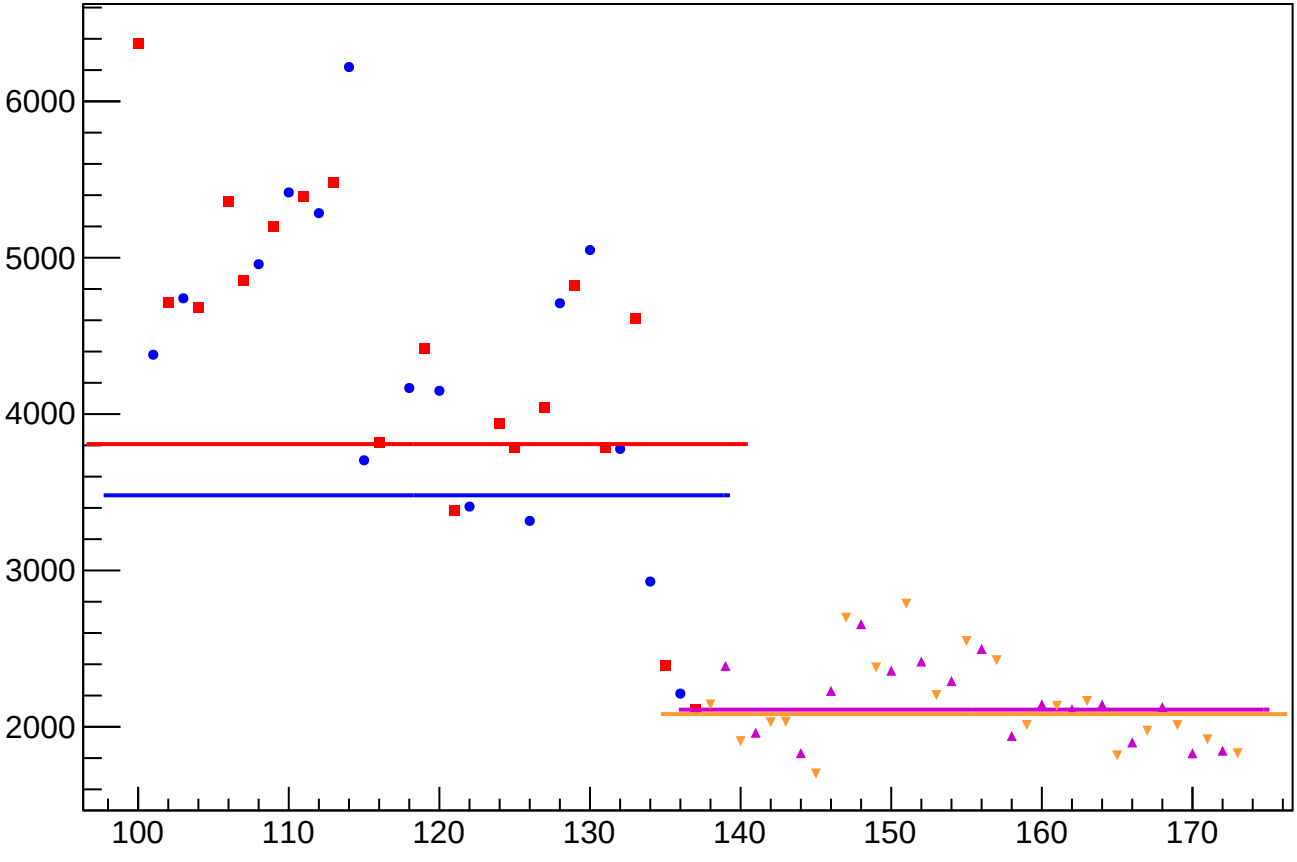
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 273.936+/-524.270 χ^2/NDF:50.7/32

Out: 935.459+/-508.480 χ^2/NDF:51.4/37

All: 614.809+/-365.004 χ^2/NDF: 103.0/70

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2081.367+/-0.384 χ^2/NDF:487331.8/18

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2109.854+/-0.402 χ^2/NDF:346598.6/16

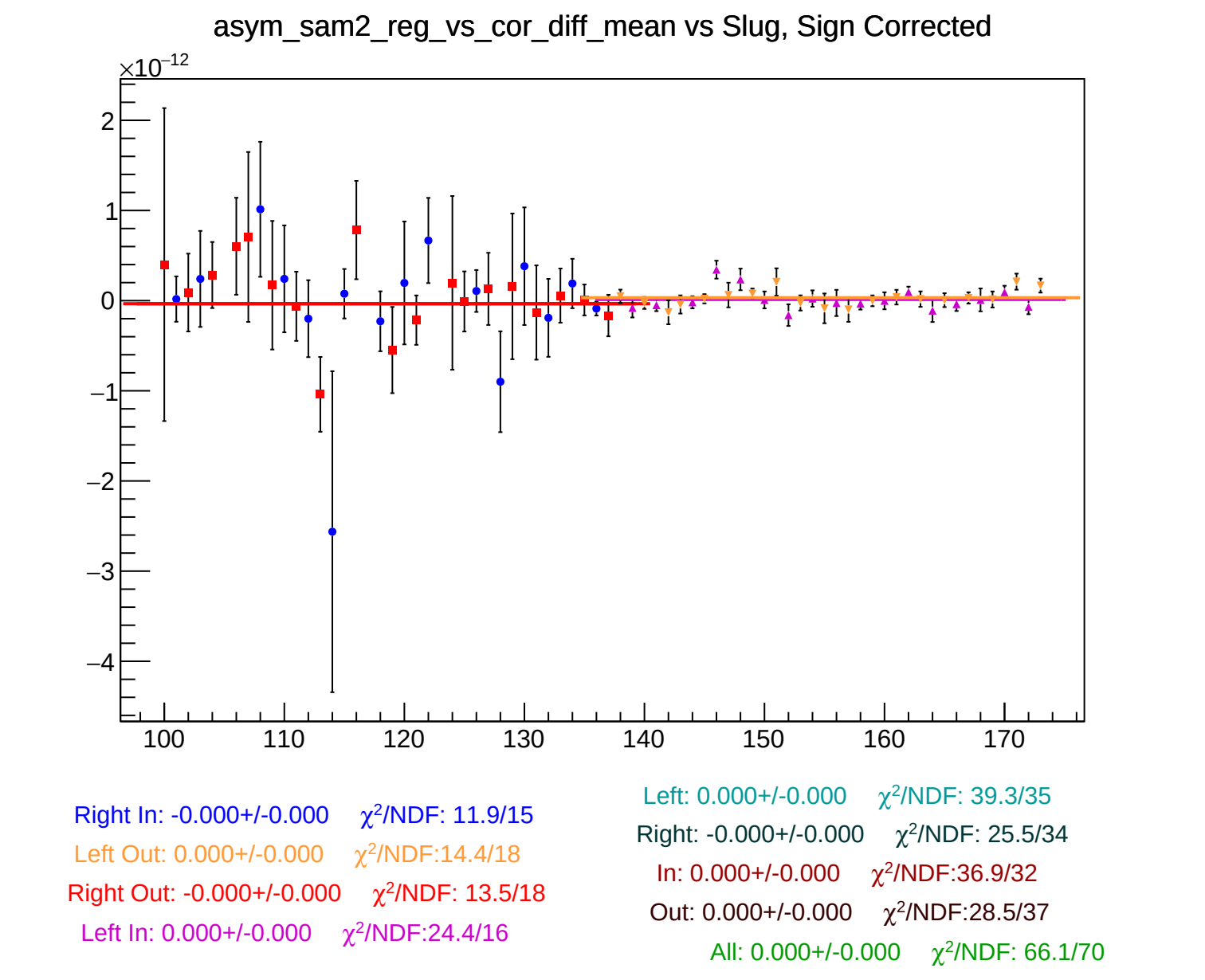
Left: 2094.965+/-0.278 χ^2/NDF: 836558.3/35

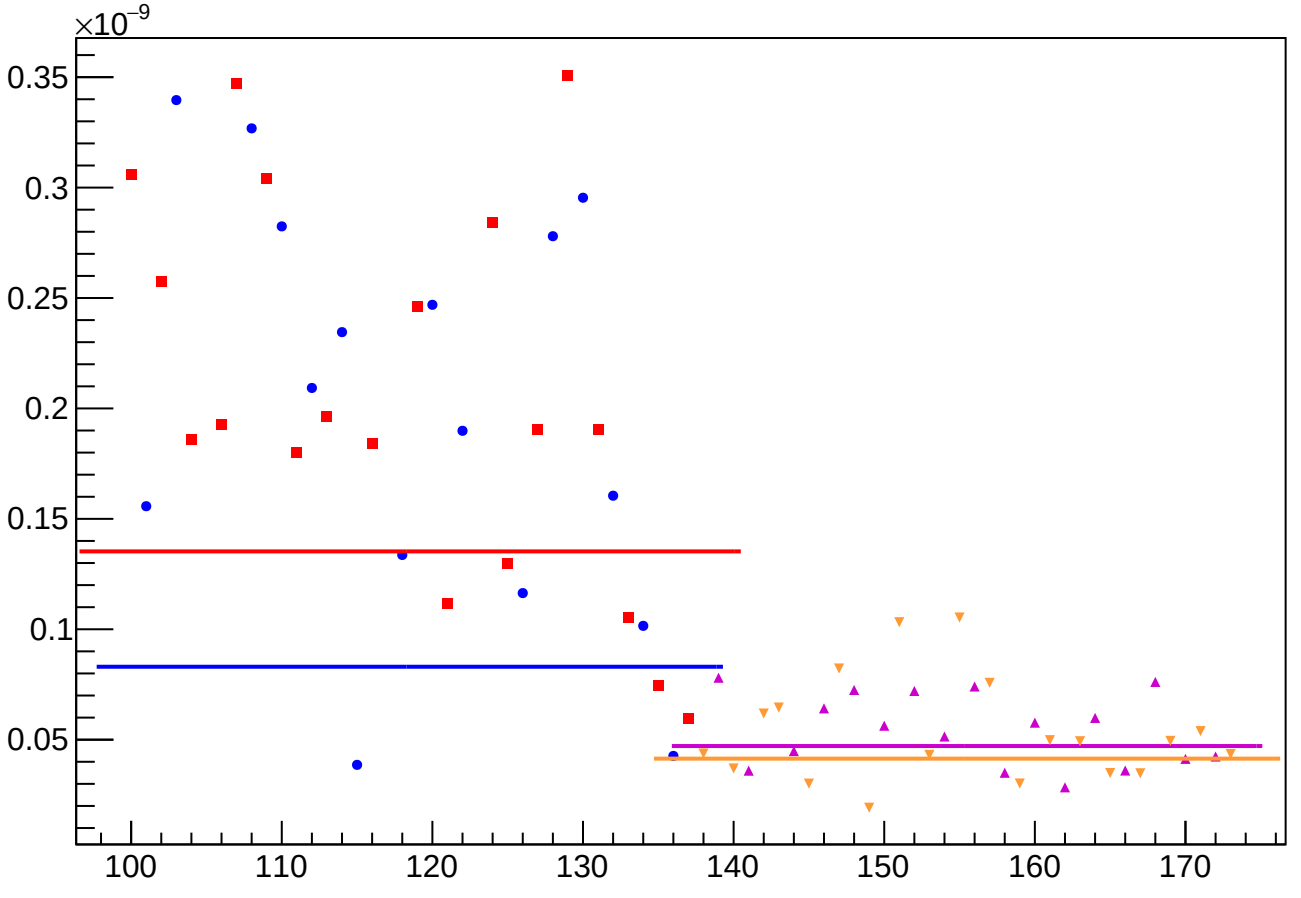
Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2313.440+/-0.371 χ^2/NDF:3372197.8/32

Out: 2293.819+/-0.360 χ^2/NDF:4123546.2/37

All: 2303.329+/-0.258 χ^2/NDF: 7497187.5/70


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
170
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:14.4/18
Right Out: -0.000+/-0.000 χ²/NDF: 13.5/18
Left In: 0.000+/-0.000 χ²/NDF:24.4/16
Left: 0.000+/-0.000 χ²/NDF: 39.3/35
Right: -0.000+/-0.000 χ²/NDF: 25.5/34
In: 0.000+/-0.000 χ²/NDF:36.9/32
Out: 0.000+/-0.000 χ²/NDF:28.5/37
All: 0.000+/-0.000 χ²/NDF: 66.1/70



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1720510.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1022364.1/16

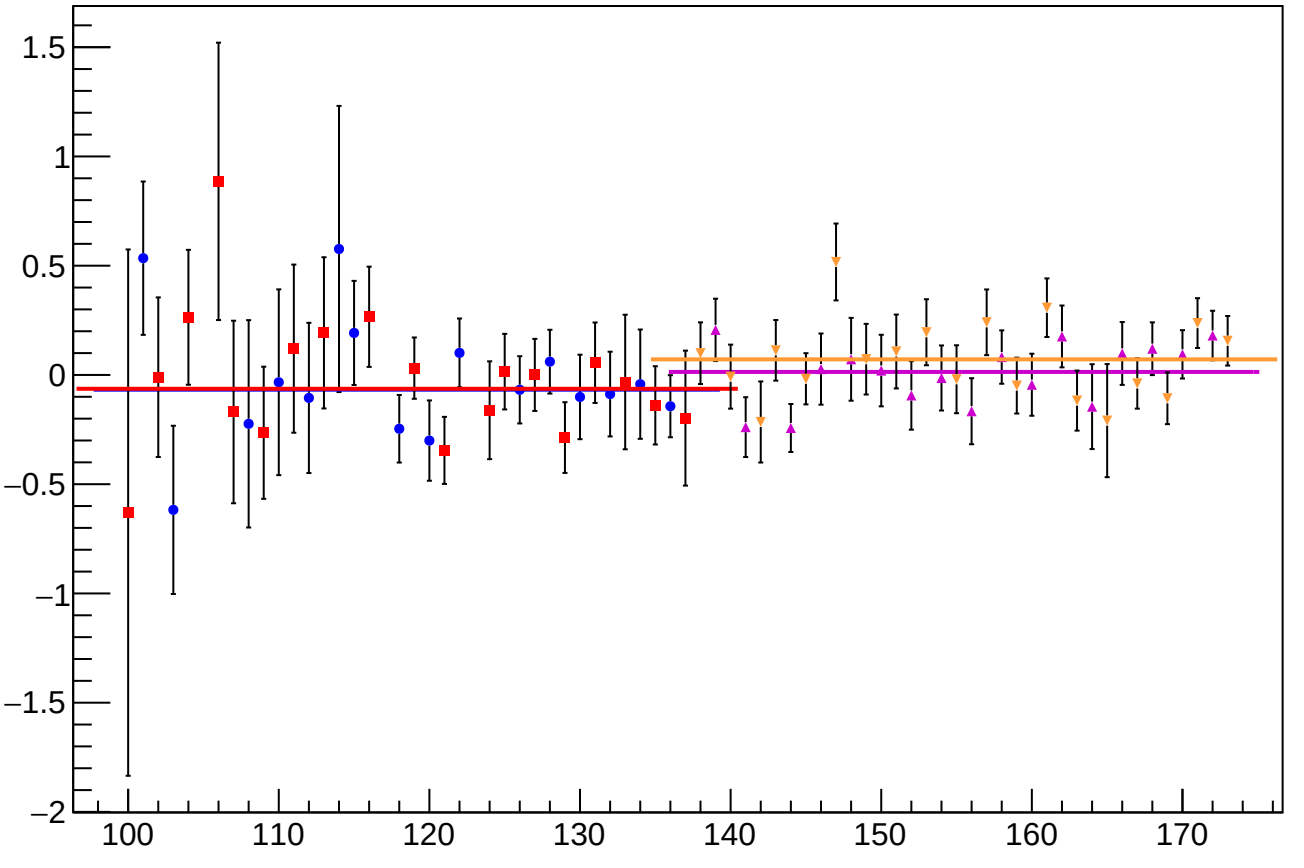
Left: 0.000+/-0.000 χ^2/NDF: 2827781.4/35

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:4352336.6/32

Out: 0.000+/-0.000 χ^2/NDF:5460764.9/37

All: 0.000+/-0.000 χ^2/NDF: 9894650.5/70



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.071+/-0.032 χ^2/NDF:25.1/18

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.014+/-0.034 χ^2/NDF:19.0/16

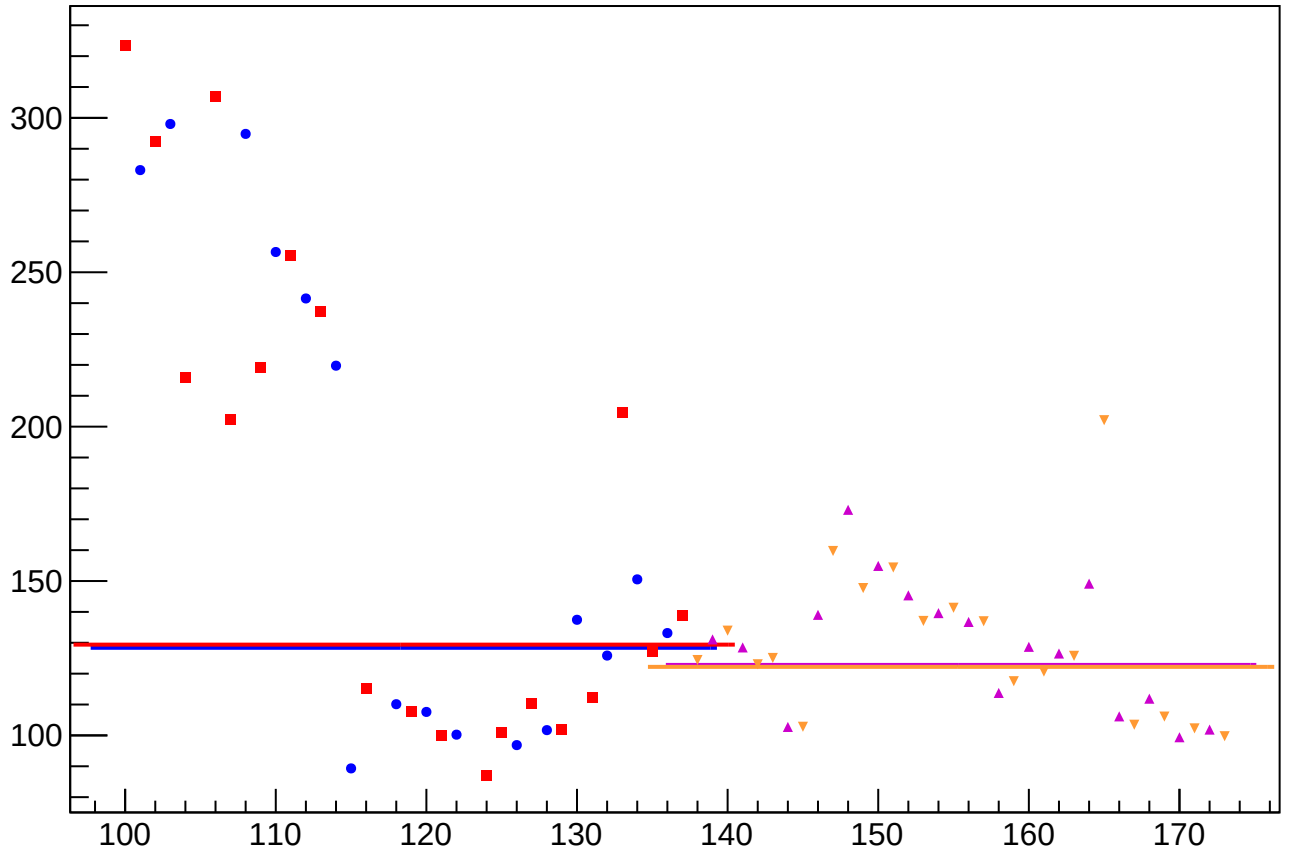
Left: 0.044+/-0.023 χ^2/NDF: 45.6/35

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.010+/-0.028 χ^2/NDF:33.2/32

Out: 0.034+/-0.027 χ^2/NDF:44.0/37

All: 0.013+/-0.020 χ^2/NDF: 78.4/70



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 122.200+/-0.023 χ^2/NDF:775531.1/18

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 122.829+/-0.024 χ^2/NDF:651398.7/16

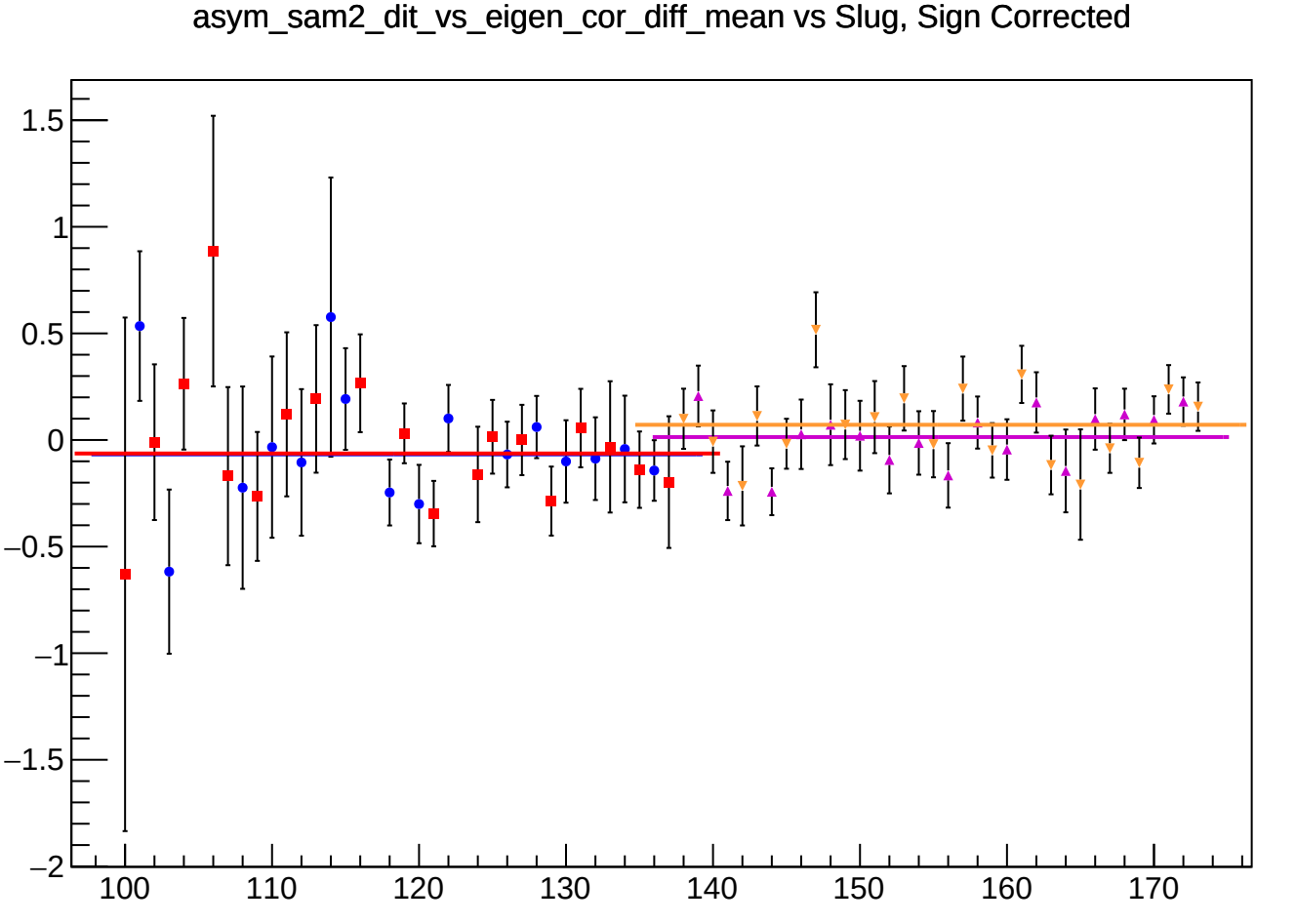
Left: 122.500+/-0.016 χ^2/NDF: 1427297.1/35

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 124.472+/-0.020 χ^2/NDF:2472662.7/32

Out: 124.206+/-0.019 χ^2/NDF:2691864.0/37

All: 124.335+/-0.014 χ^2/NDF: 5164619.2/70



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.071+/-0.032 χ^2/NDF:25.1/18

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.014+/-0.034 χ^2/NDF:19.0/16

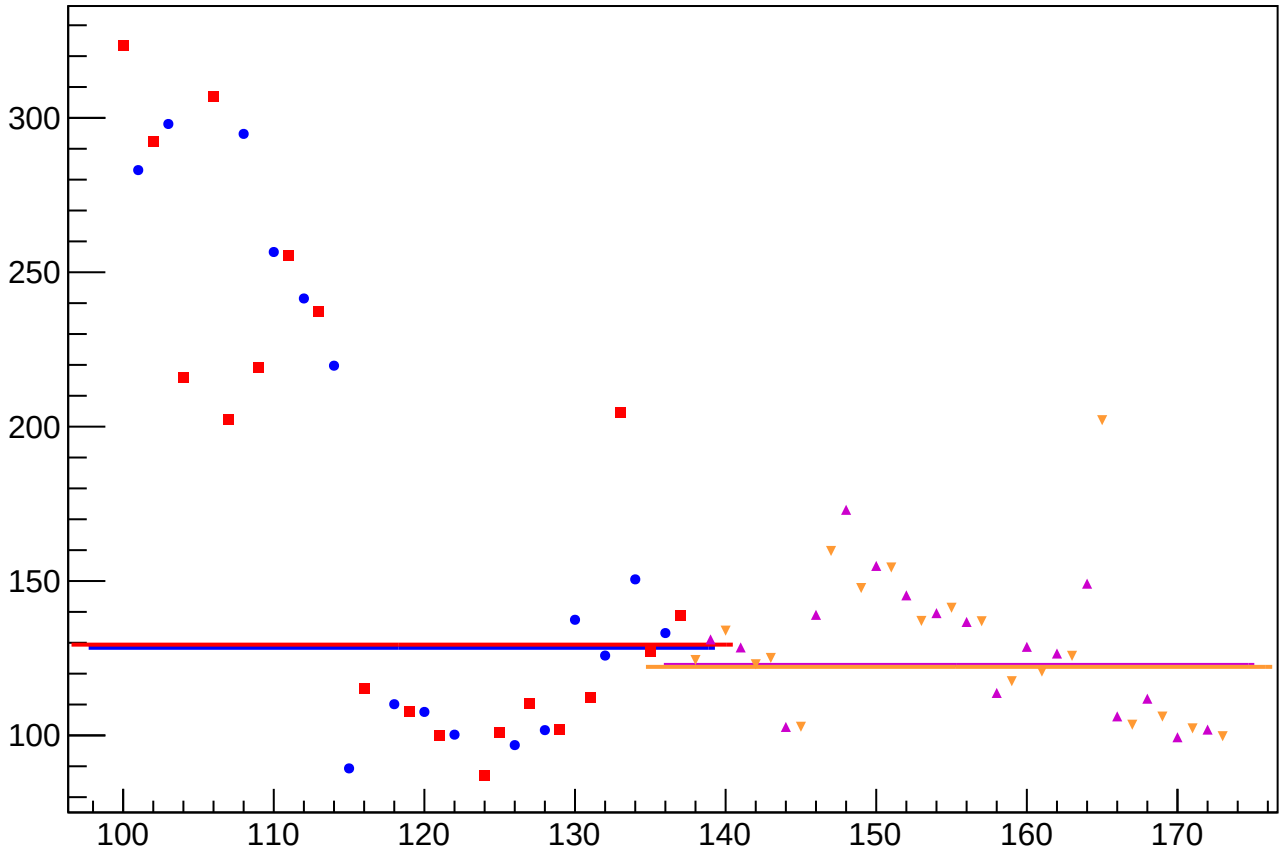
Left: 0.044+/-0.023 χ^2/NDF: 45.6/35

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.010+/-0.028 χ^2/NDF:33.2/32

Out: 0.034+/-0.027 χ^2/NDF:44.0/37

All: 0.013+/-0.020 χ^2/NDF: 78.4/70



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 122.200+/-0.023 χ^2/NDF:775531.1/18

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 122.829+/-0.024 χ^2/NDF:651398.7/16

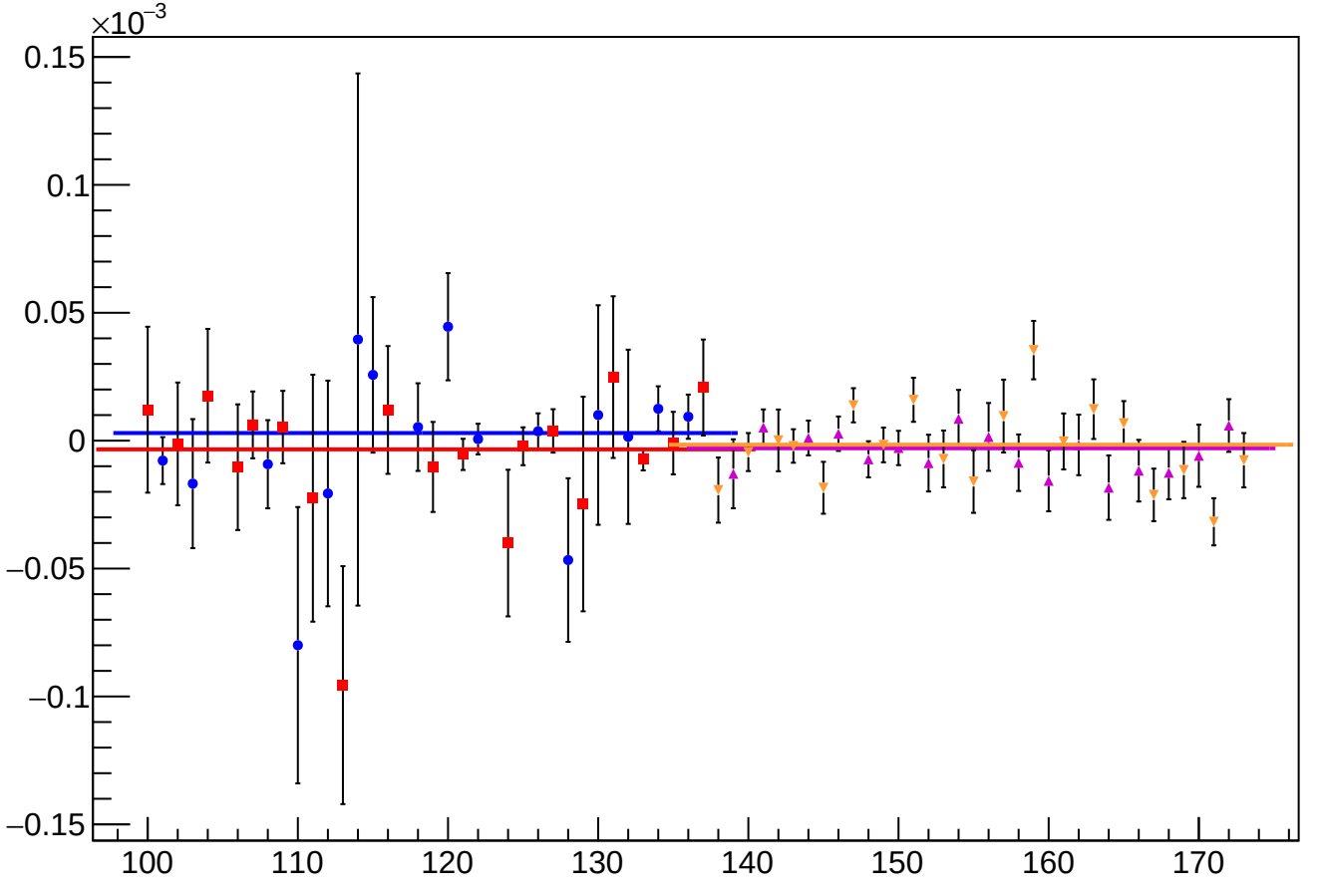
Left: 122.500+/-0.016 χ^2/NDF: 1427297.1/35

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 124.472+/-0.020 χ^2/NDF:2472662.7/32

Out: 124.206+/-0.019 χ^2/NDF:2691864.0/37

All: 124.335+/-0.014 χ^2/NDF: 5164619.2/70



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:44.9/18

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:9.8/16

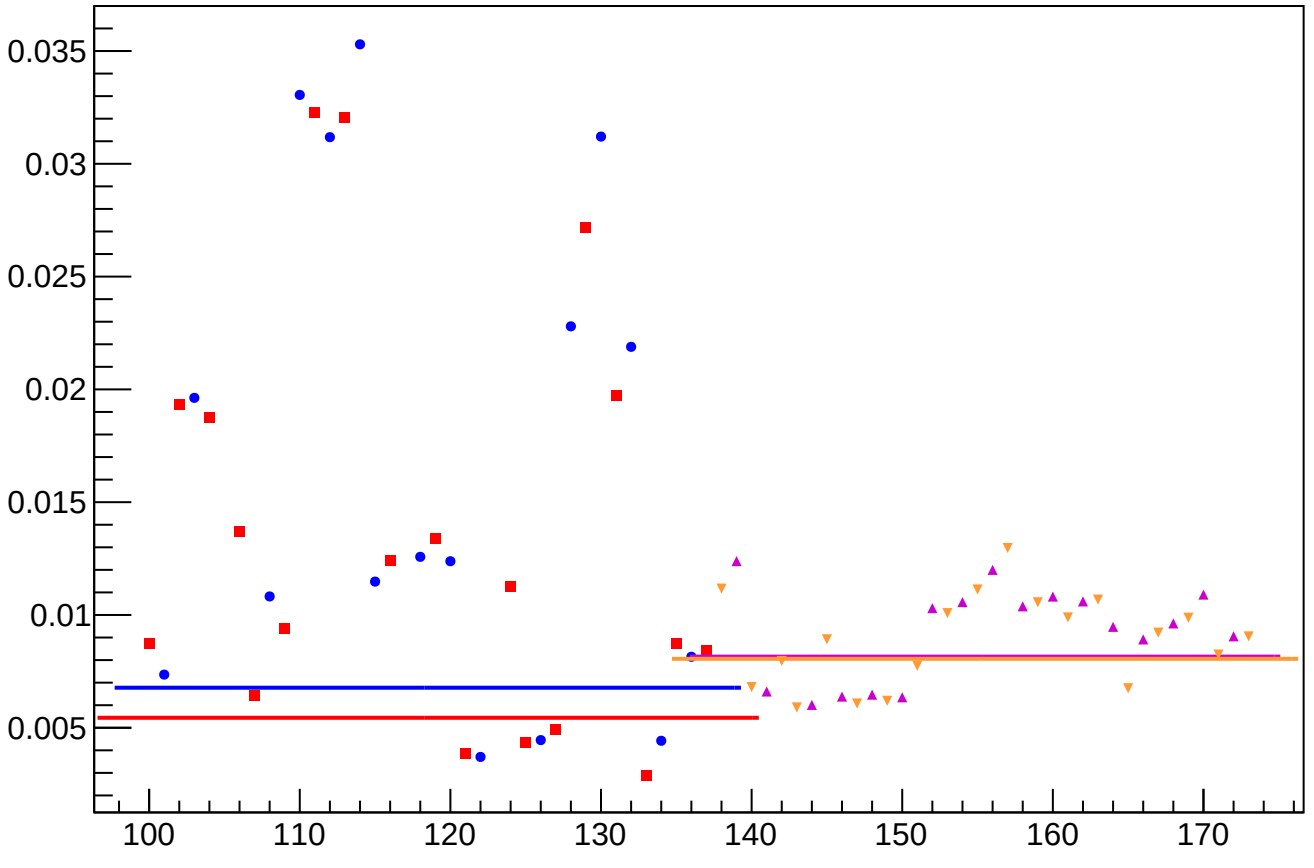
Left: -0.000+/-0.000 χ^2/NDF: 55.0/35

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: -0.000+/-0.000 χ^2/NDF:26.3/32

Out: -0.000+/-0.000 χ^2/NDF:57.8/37

All: -0.000+/-0.000 χ^2/NDF: 84.4/70



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1563273.6/18

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1678684.7/16

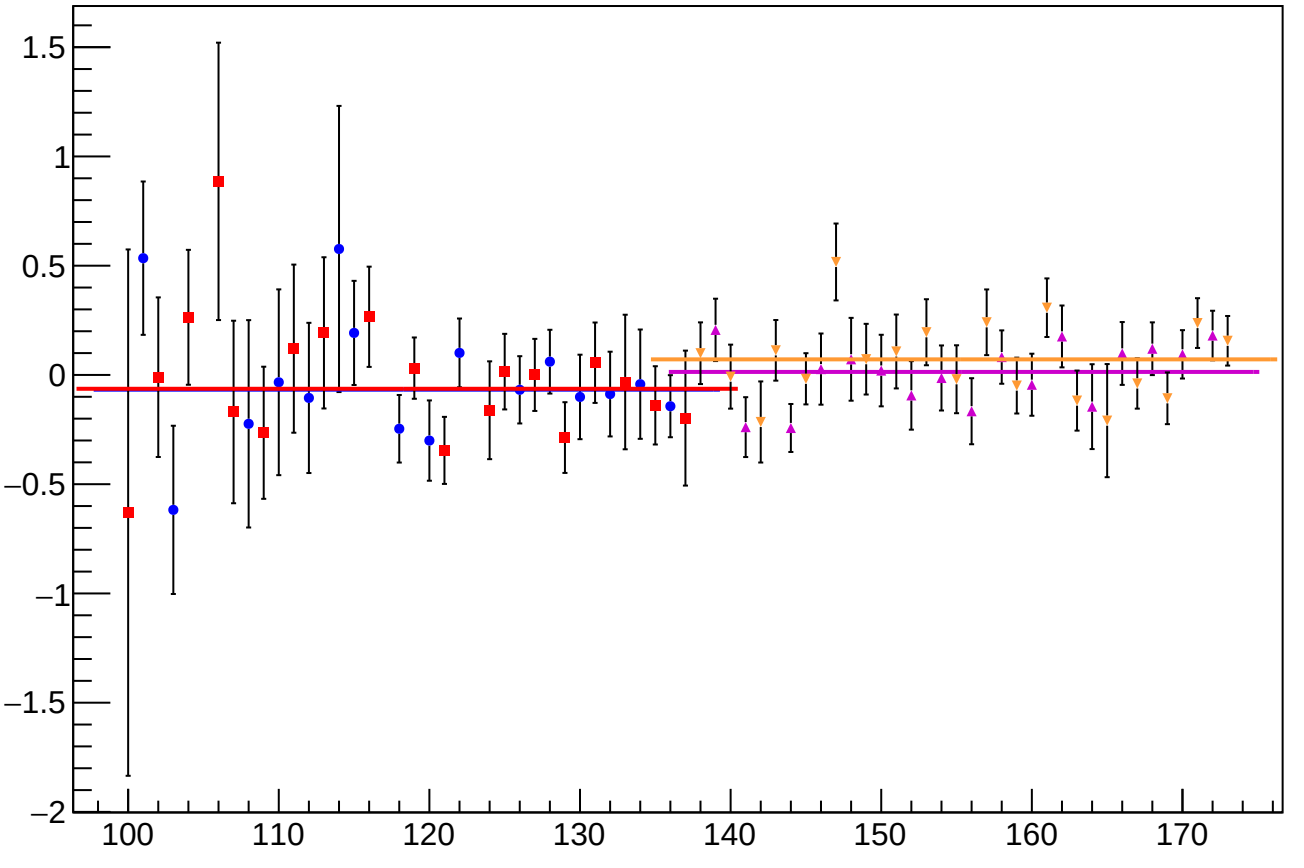
Left: 0.008+/-0.000 χ^2/NDF: 3243907.5/35

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.008+/-0.000 χ^2/NDF:6703988.7/32

Out: 0.007+/-0.000 χ^2/NDF:8338626.1/37

All: 0.007+/-0.000 χ^2/NDF: 15197572.2/70



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.071+/-0.032 χ^2/NDF:25.1/18

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.014+/-0.034 χ^2/NDF:19.0/16

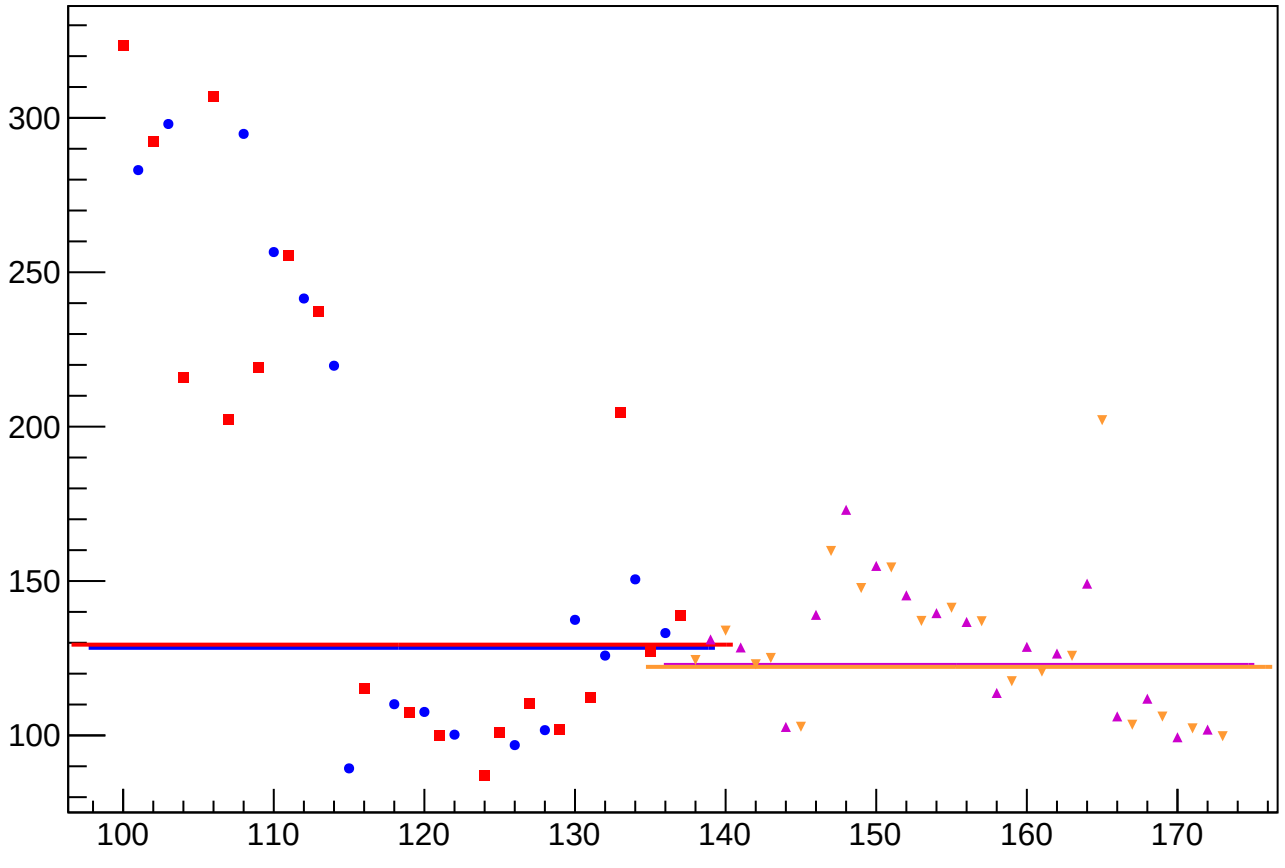
Left: 0.044+/-0.023 χ^2/NDF: 45.6/35

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.010+/-0.028 χ^2/NDF:33.2/32

Out: 0.034+/-0.027 χ^2/NDF:44.0/37

All: 0.013+/-0.020 χ^2/NDF: 78.4/70



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 122.200+/-0.023 χ^2/NDF:775576.8/18

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 122.829+/-0.024 χ^2/NDF:651430.6/16

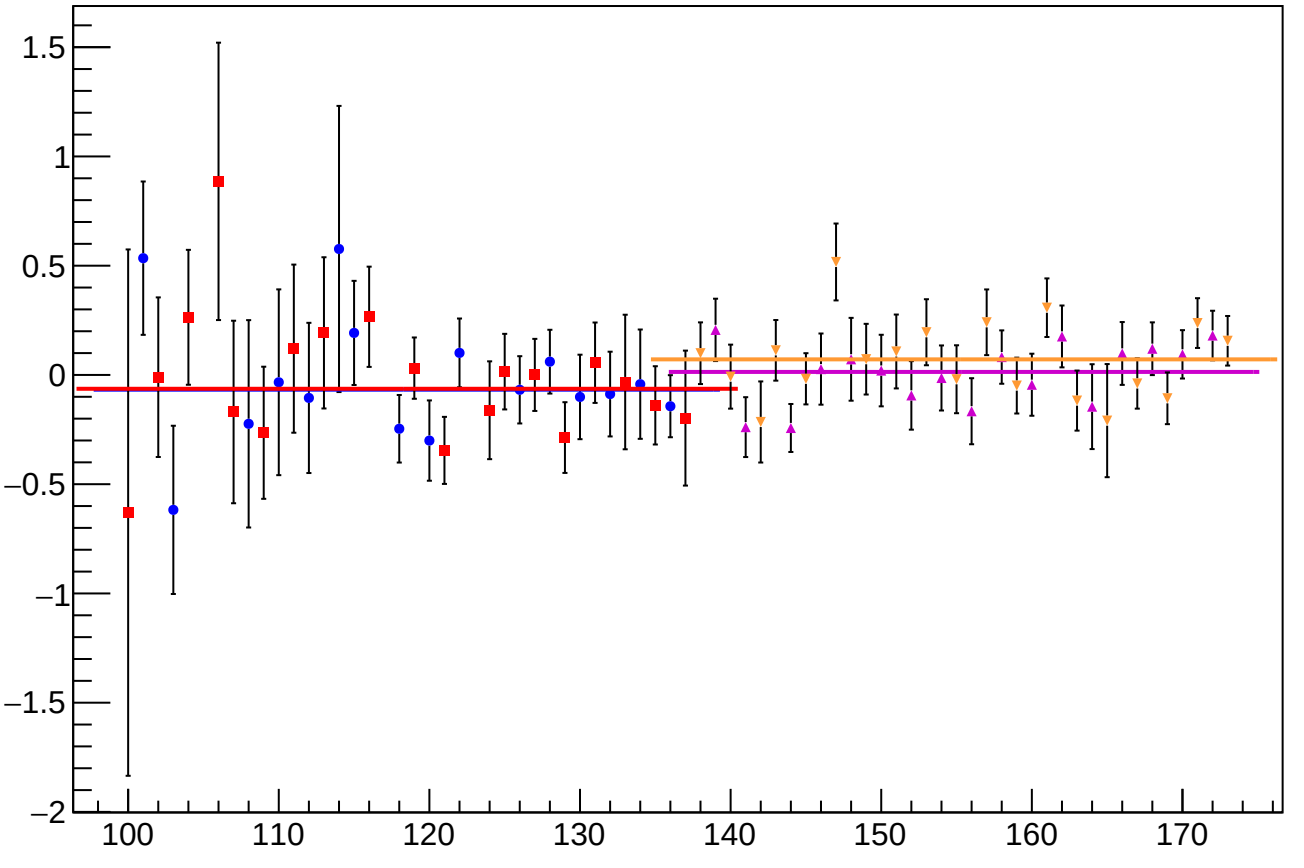
Left: 122.500+/-0.016 χ^2/NDF: 1427374.5/35

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 124.471+/-0.020 χ^2/NDF:2472628.1/32

Out: 124.205+/-0.019 χ^2/NDF:2691889.5/37

All: 124.334+/-0.014 χ^2/NDF: 5164610.0/70



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.071+/-0.032 χ^2/NDF:25.1/18

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.014+/-0.034 χ^2/NDF:19.0/16

Left: 0.044+/-0.023 χ^2/NDF: 45.6/35

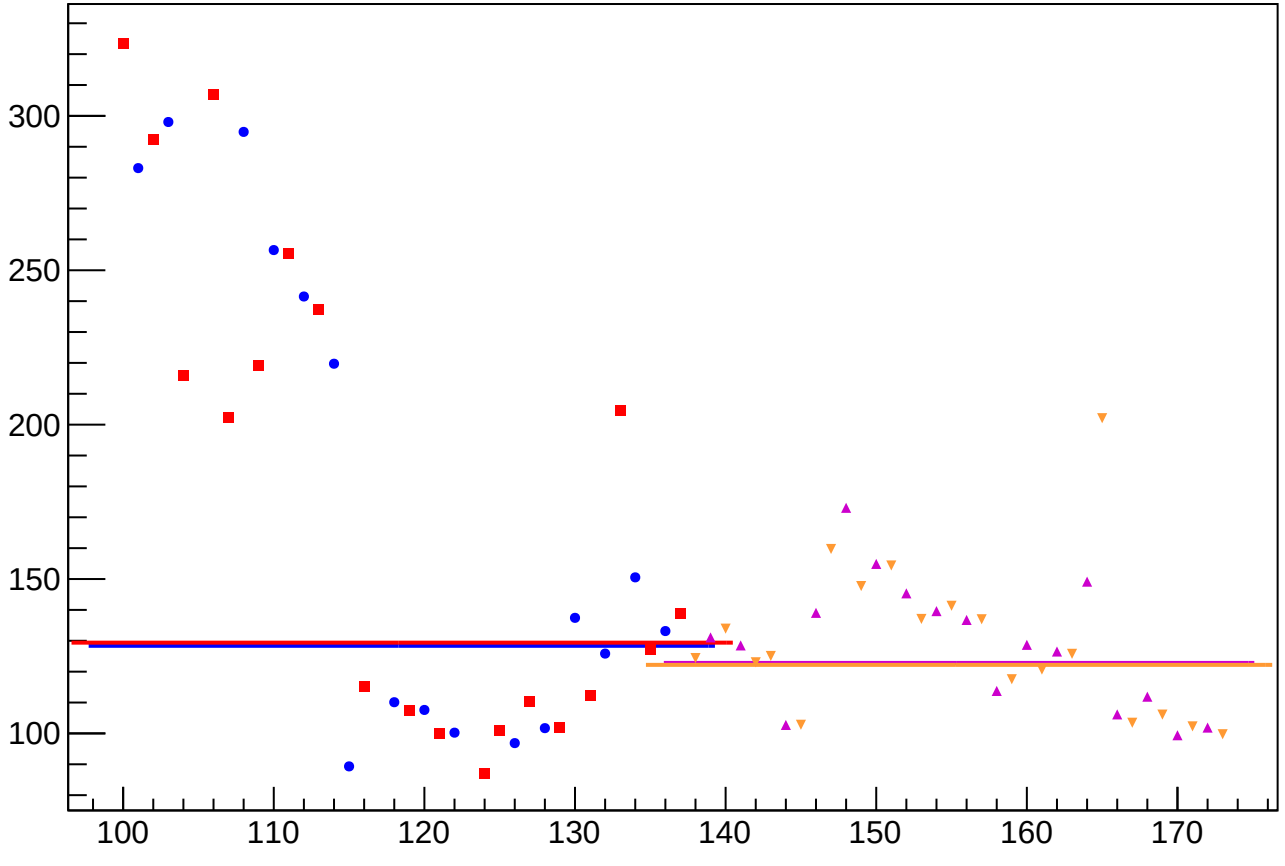
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.010+/-0.028 χ^2/NDF:33.2/32

Out: 0.034+/-0.027 χ^2/NDF:44.0/37

All: 0.013+/-0.020 χ^2/NDF: 78.4/70

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: 122.200+/-0.023 χ^2/NDF:775576.8/18

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 122.829+/-0.024 χ^2/NDF:651430.6/16

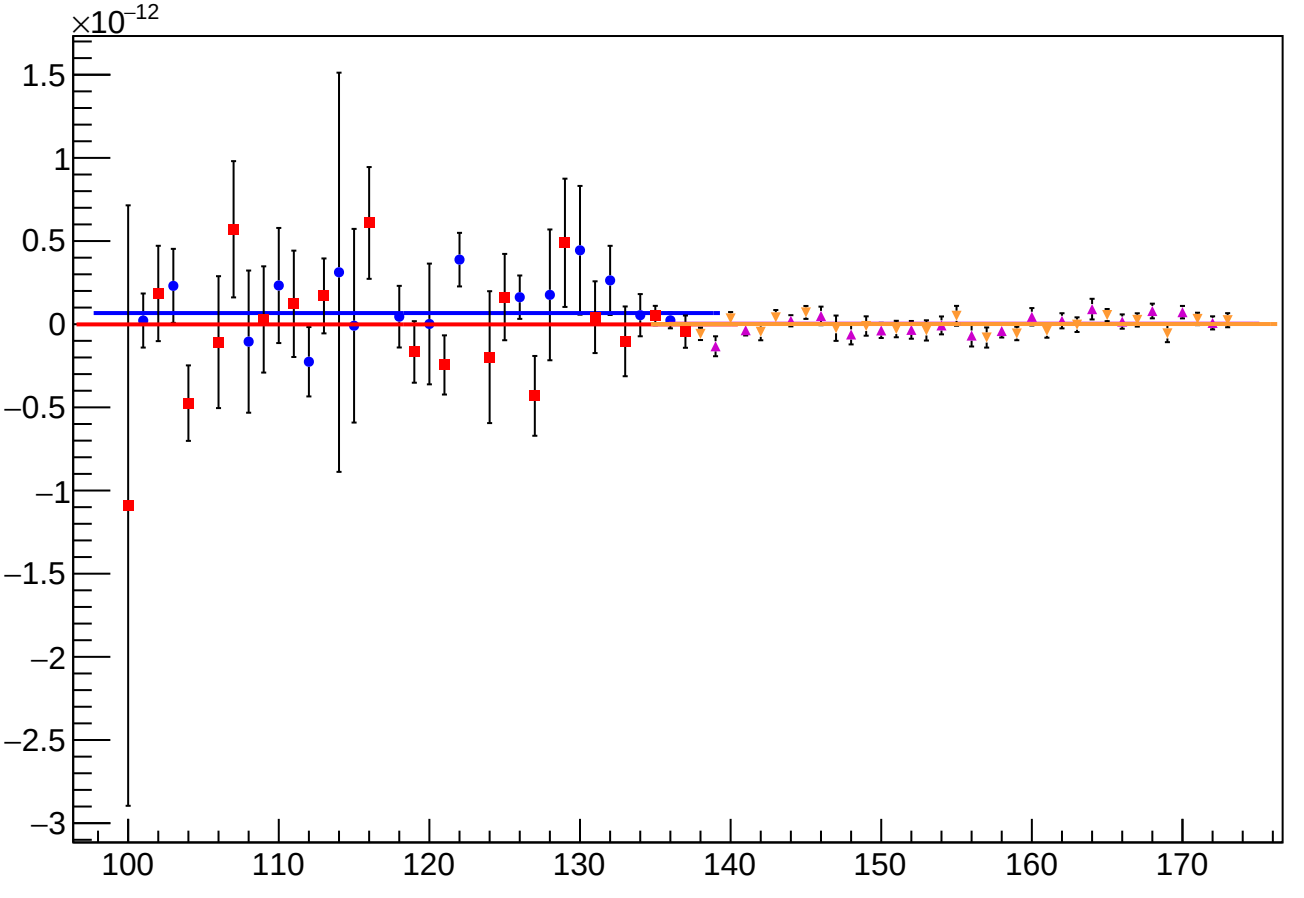
Left: 122.500+/-0.016 χ^2/NDF: 1427374.5/35

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 124.471+/-0.020 χ^2/NDF:2472628.1/32

Out: 124.205+/-0.019 χ^2/NDF:2691889.5/37

All: 124.334+/-0.014 χ^2/NDF: 5164610.0/70



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:21.8/16

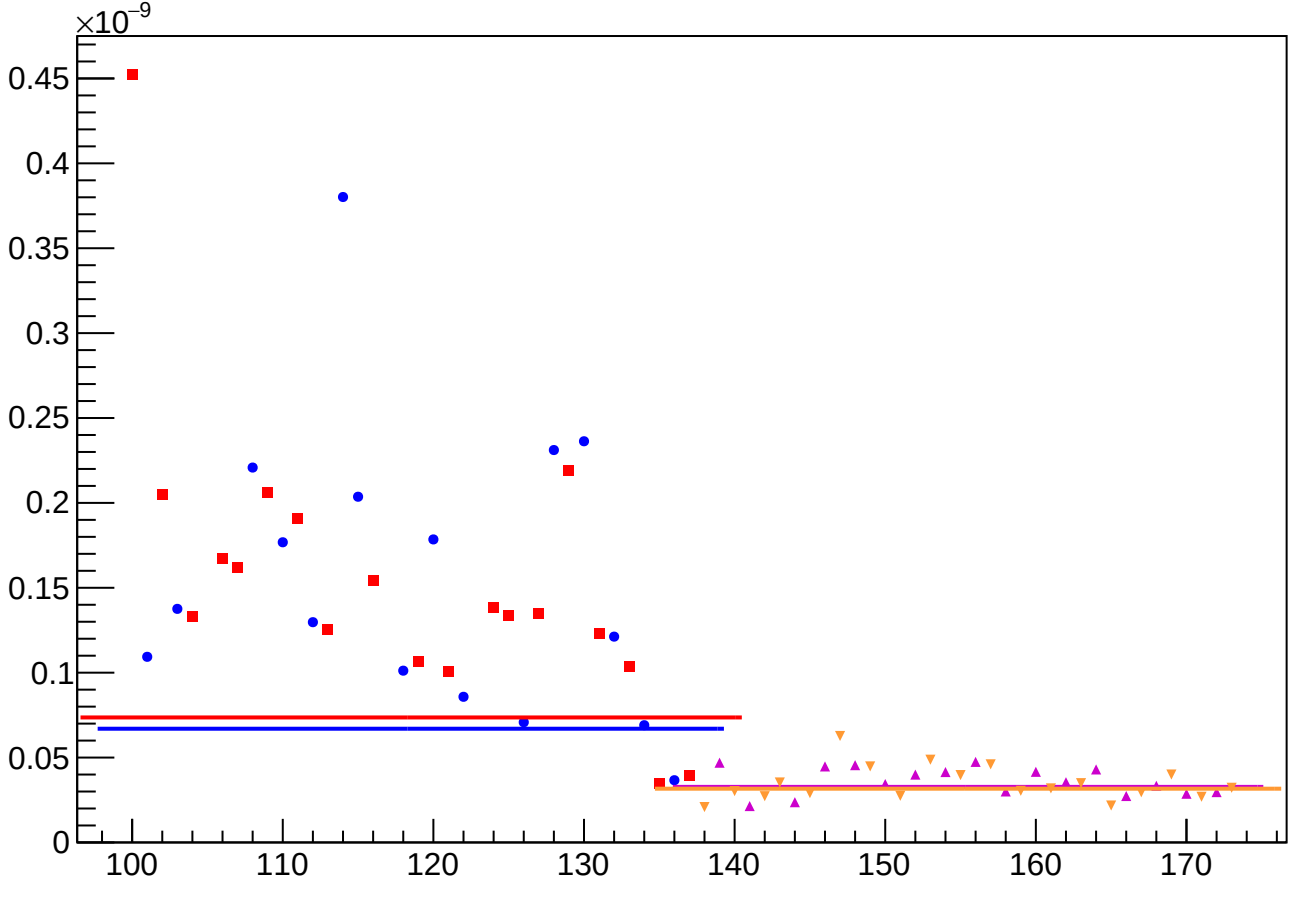
Left: 0.000+/-0.000 χ^2/NDF: 41.0/35

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: 0.000+/-0.000 χ^2/NDF:35.0/32

Out: 0.000+/-0.000 χ^2/NDF:39.9/37

All: 0.000+/-0.000 χ^2/NDF: 75.2/70



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1214360.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1084642.7/16

Left: 0.000+/-0.000 χ^2/NDF: 2309020.2/35

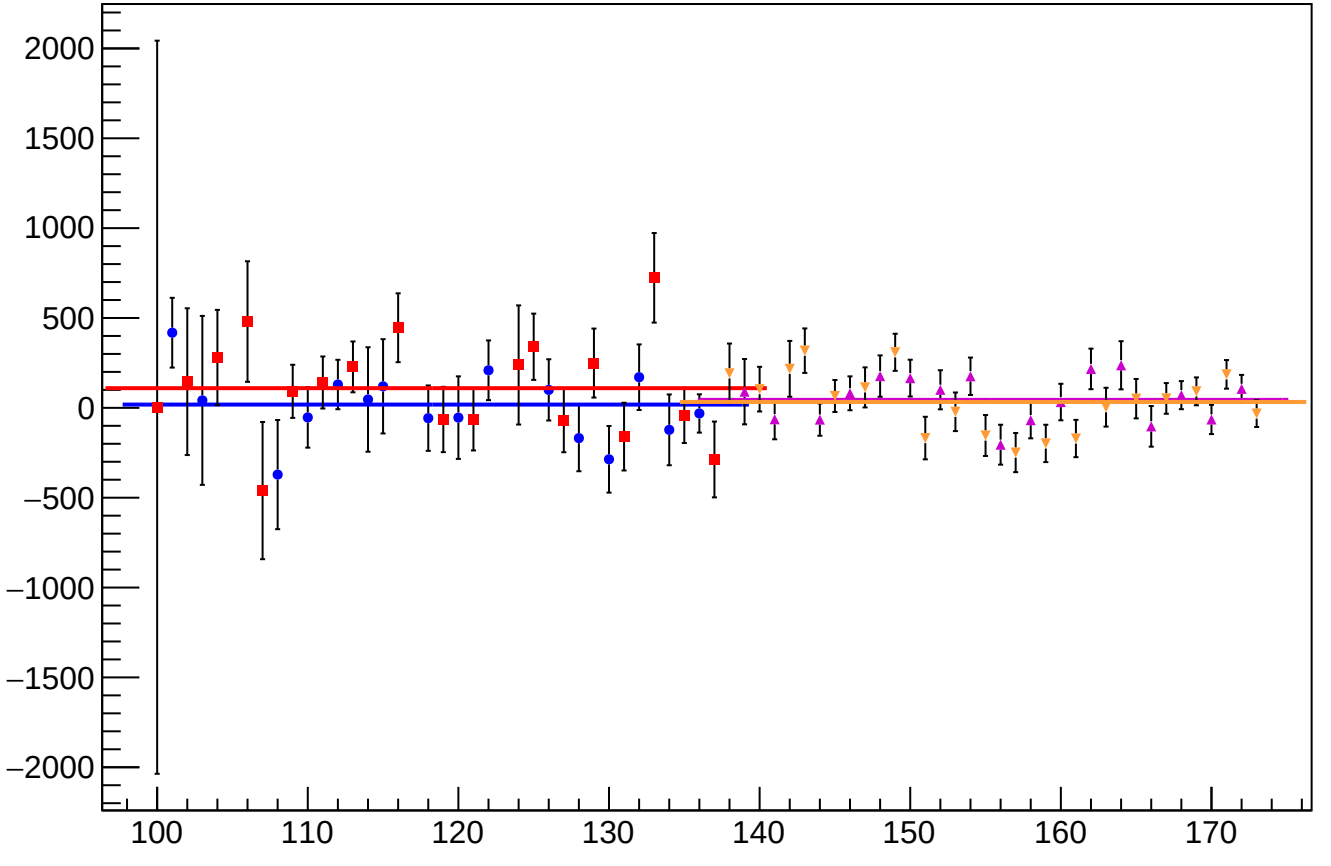
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:5913413.5/32

Out: 0.000+/-0.000 χ^2/NDF:6992482.8/37

All: 0.000+/-0.000 χ^2/NDF: 12920883.3/70

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 32.828+/-23.429 χ^2/NDF:42.3/18

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: 44.355+/-24.526 χ^2/NDF:22.1/16

Left: 38.328+/-16.941 χ^2/NDF: 64.5/35

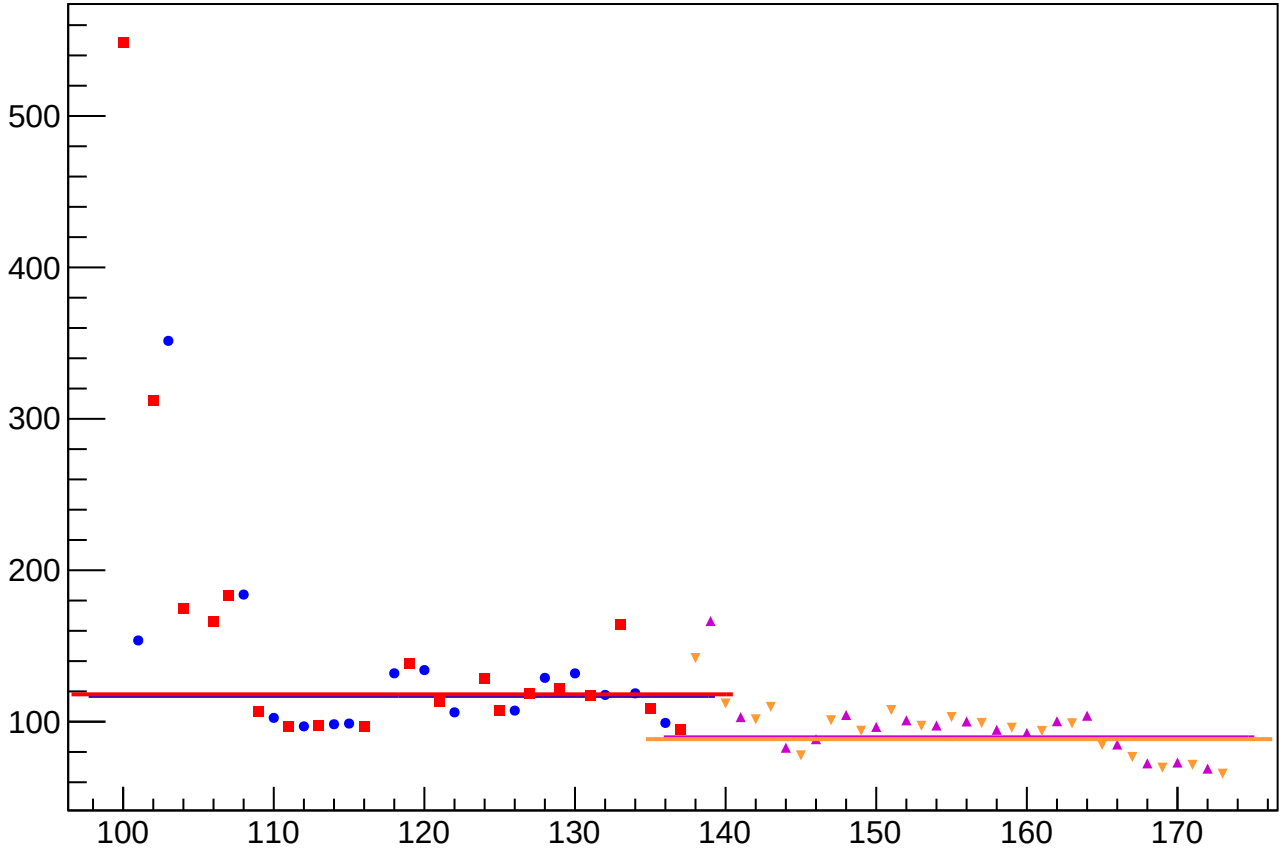
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 38.508+/-21.611 χ^2/NDF:36.2/32

Out: 48.703+/-20.861 χ^2/NDF:70.0/37

All: 43.786+/-15.009 χ^2/NDF: 106.3/70

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 88.461+/-0.017 χ^2/NDF:1001237.1/18

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 89.657+/-0.017 χ^2/NDF:862015.4/16

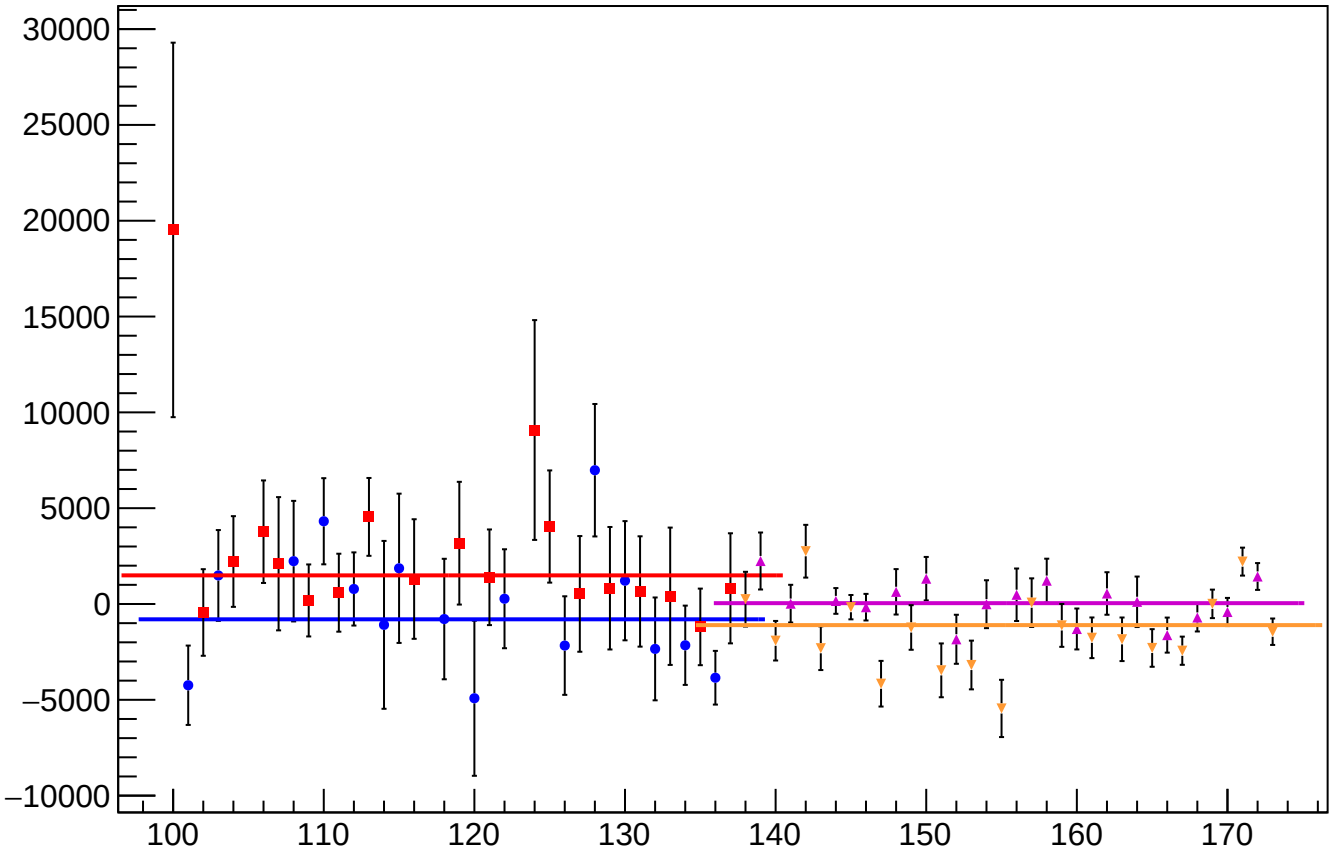
Left: 89.032+/-0.012 χ^2/NDF: 1865739.3/35

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 95.785+/-0.015 χ^2/NDF:2278729.2/32

Out: 94.595+/-0.015 χ^2/NDF:2653354.4/37

All: 95.169+/-0.011 χ^2/NDF: 4935222.8/70



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1101.882+/-223.703 χ^2/NDF:62.8/18

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 43.781+/-229.065 χ^2/NDF:17.7/16

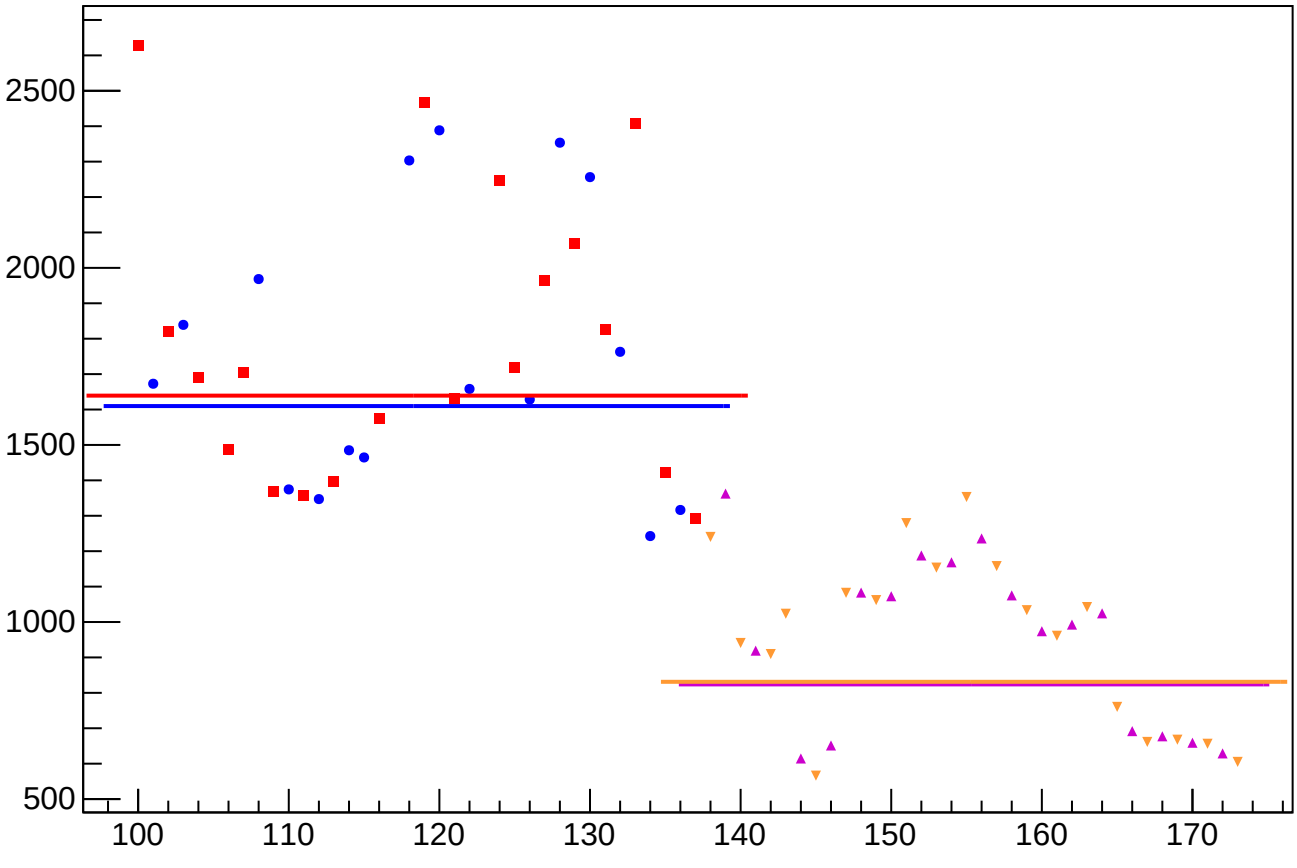
Left: -542.617+/-160.044 χ^2/NDF: 93.3/35

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: -58.614+/-214.701 χ^2/NDF:42.8/32

Out: -796.902+/-210.151 χ^2/NDF:91.5/37

All: -435.665+/-150.182 χ^2/NDF: 140.3/70



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 831.160+/-0.158 χ^2/NDF:2182711.9/18

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 823.815+/-0.162 χ^2/NDF:1893131.8/16

Left: 827.575+/-0.113 χ^2/NDF: 4076896.2/35

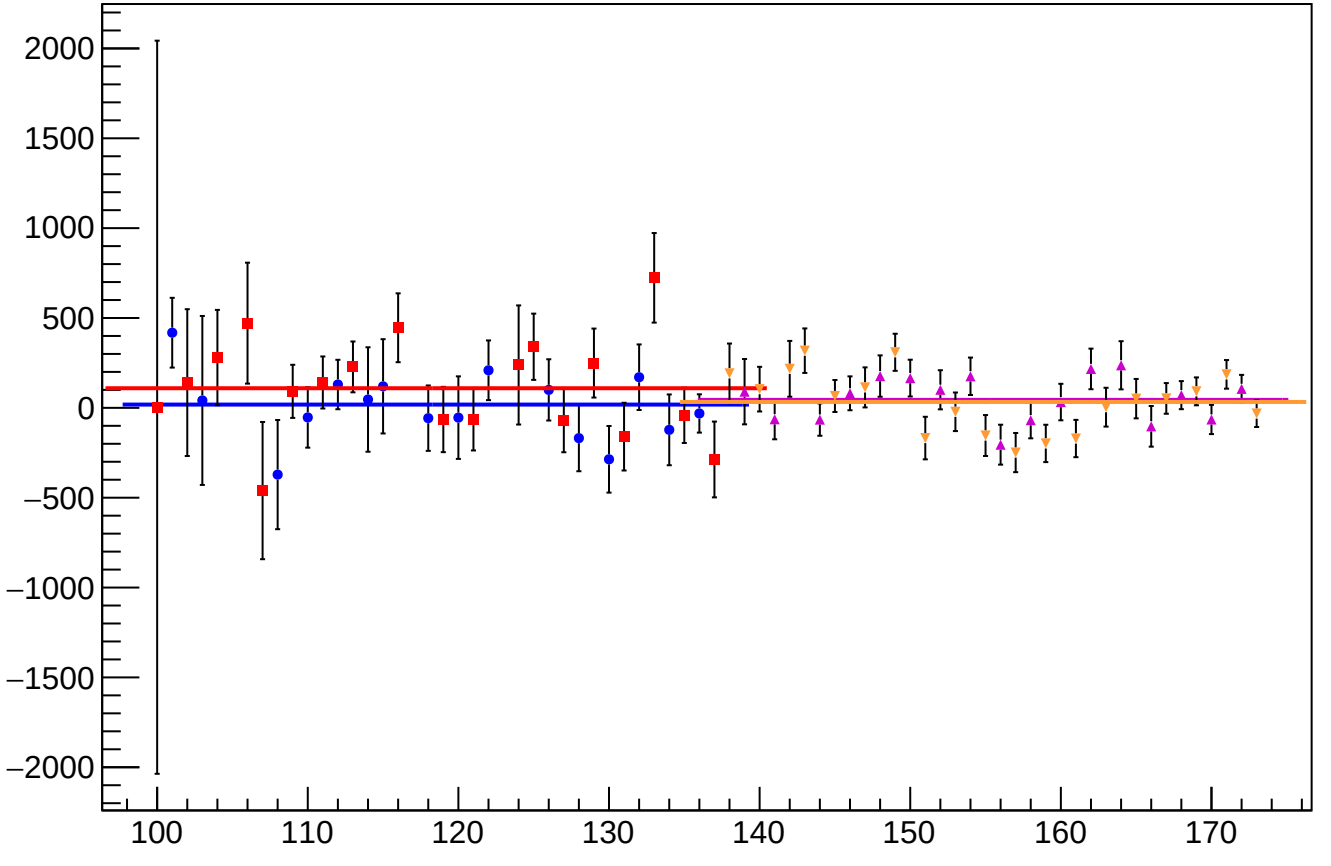
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 919.292+/-0.152 χ^2/NDF:5372593.3/32

Out: 926.102+/-0.149 χ^2/NDF:5769094.5/37

All: 922.770+/-0.106 χ^2/NDF: 11142715.4/70

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 32.832+/-23.429 χ^2/NDF:42.3/18

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 44.355+/-24.526 χ^2/NDF:22.1/16

Left: 38.330+/-16.941 χ^2/NDF: 64.5/35

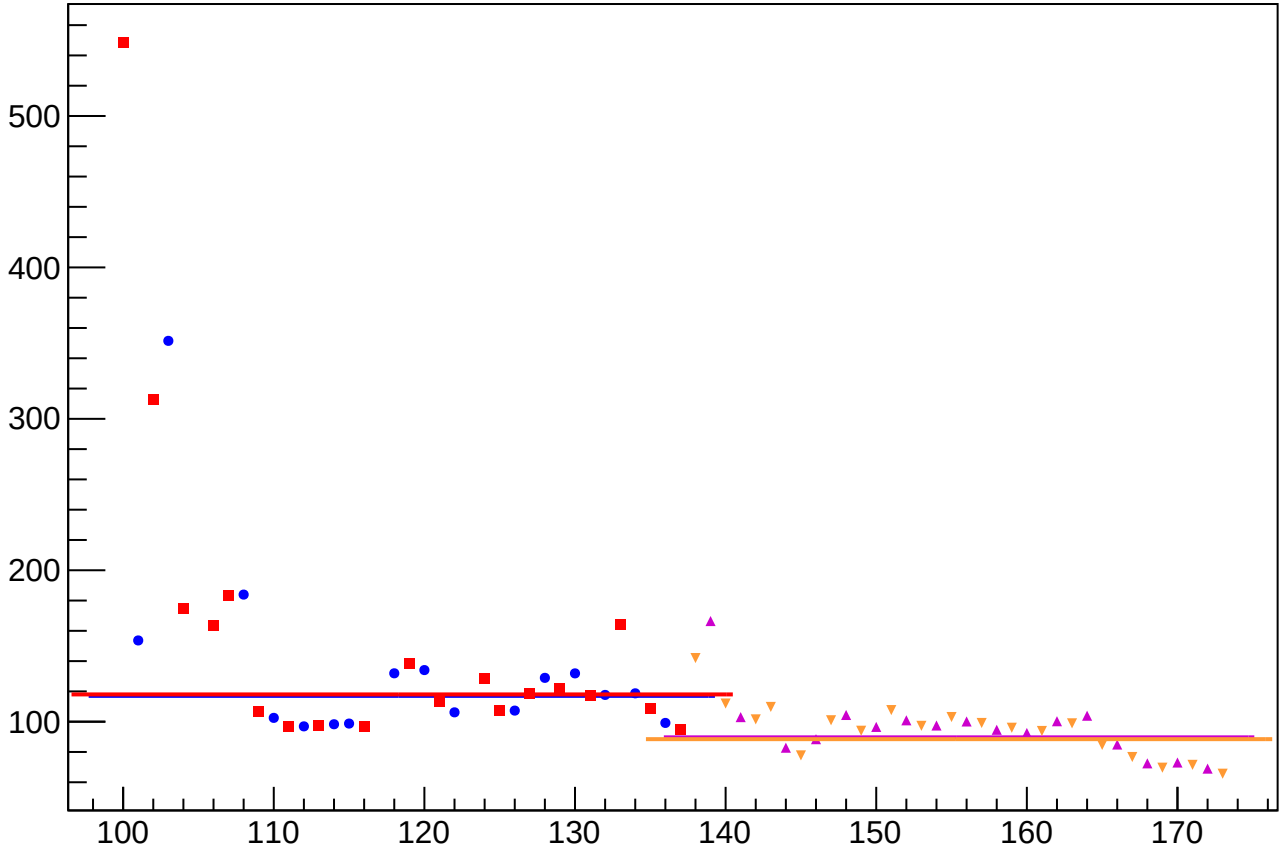
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 38.505+/-21.611 χ^2/NDF:36.2/32

Out: 48.646+/-20.861 χ^2/NDF:69.9/37

All: 43.755+/-15.009 χ^2/NDF: 106.2/70

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 88.461+/-0.017 χ^2/NDF:1001237.0/18

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 89.657+/-0.017 χ^2/NDF:862015.4/16

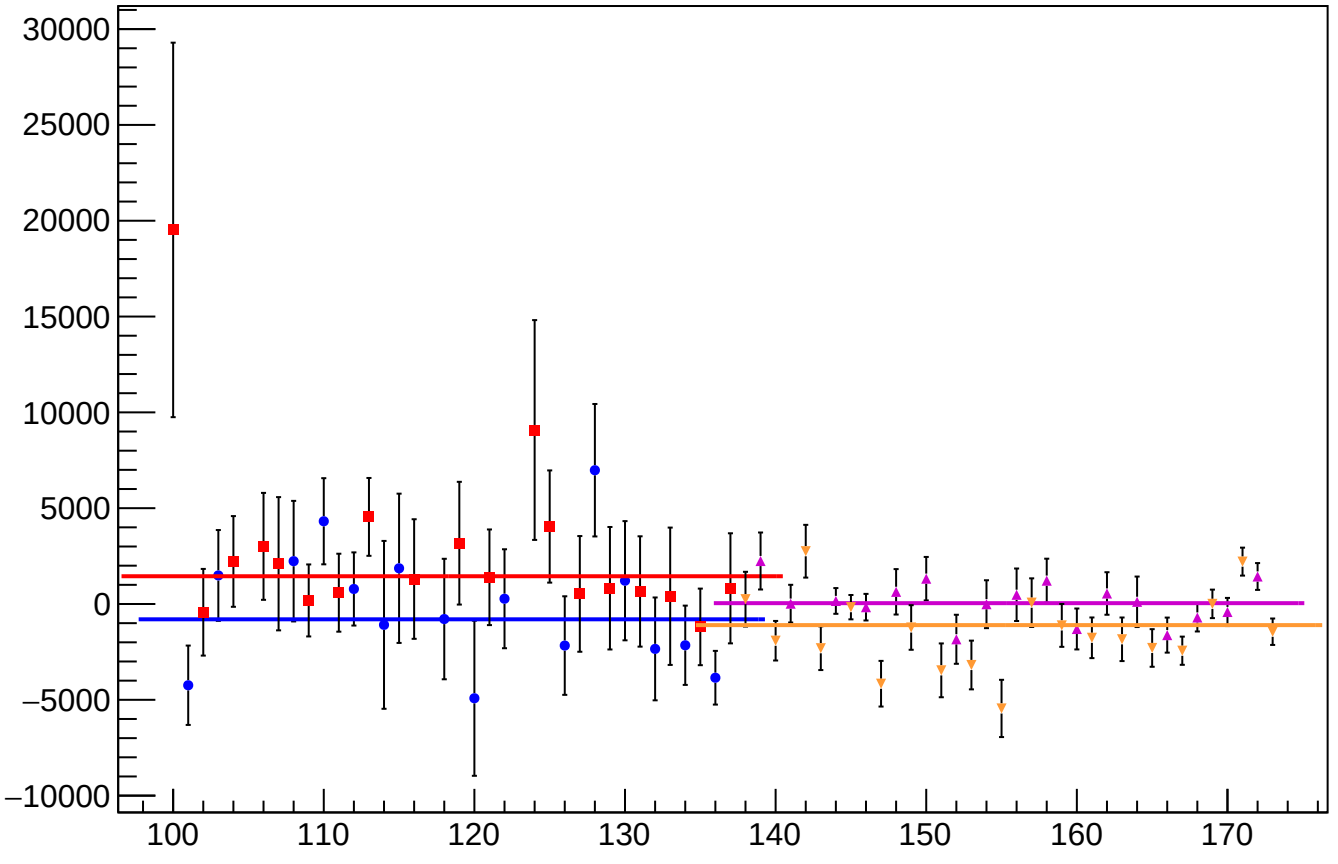
Left: 89.032+/-0.012 χ^2/NDF: 1865739.3/35

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 95.785+/-0.015 χ^2/NDF:2278730.9/32

Out: 94.583+/-0.015 χ^2/NDF:2646779.1/37

All: 95.163+/-0.011 χ^2/NDF: 4928709.3/70



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1101.873+/-223.703 χ^2/NDF:62.8/18

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 43.784+/-229.065 χ^2/NDF:17.7/16

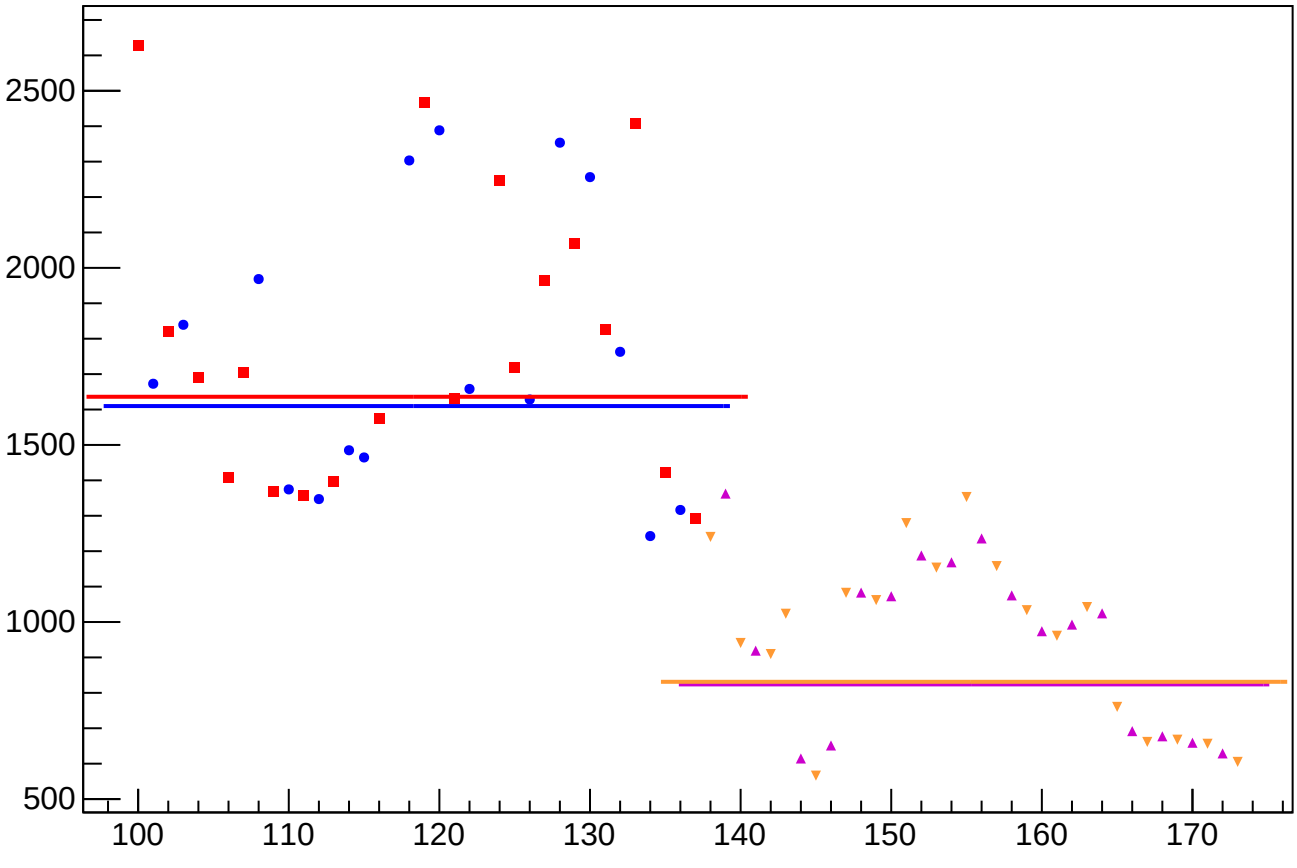
Left: -542.611+/-160.044 χ^2/NDF: 93.3/35

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -58.608+/-214.702 χ^2/NDF:42.8/32

Out: -803.394+/-210.205 χ^2/NDF:90.5/37

All: -438.882+/-150.202 χ^2/NDF: 139.4/70



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 831.160+/-0.158 χ^2/NDF:2182714.3/18

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 823.815+/-0.162 χ^2/NDF:1893131.0/16

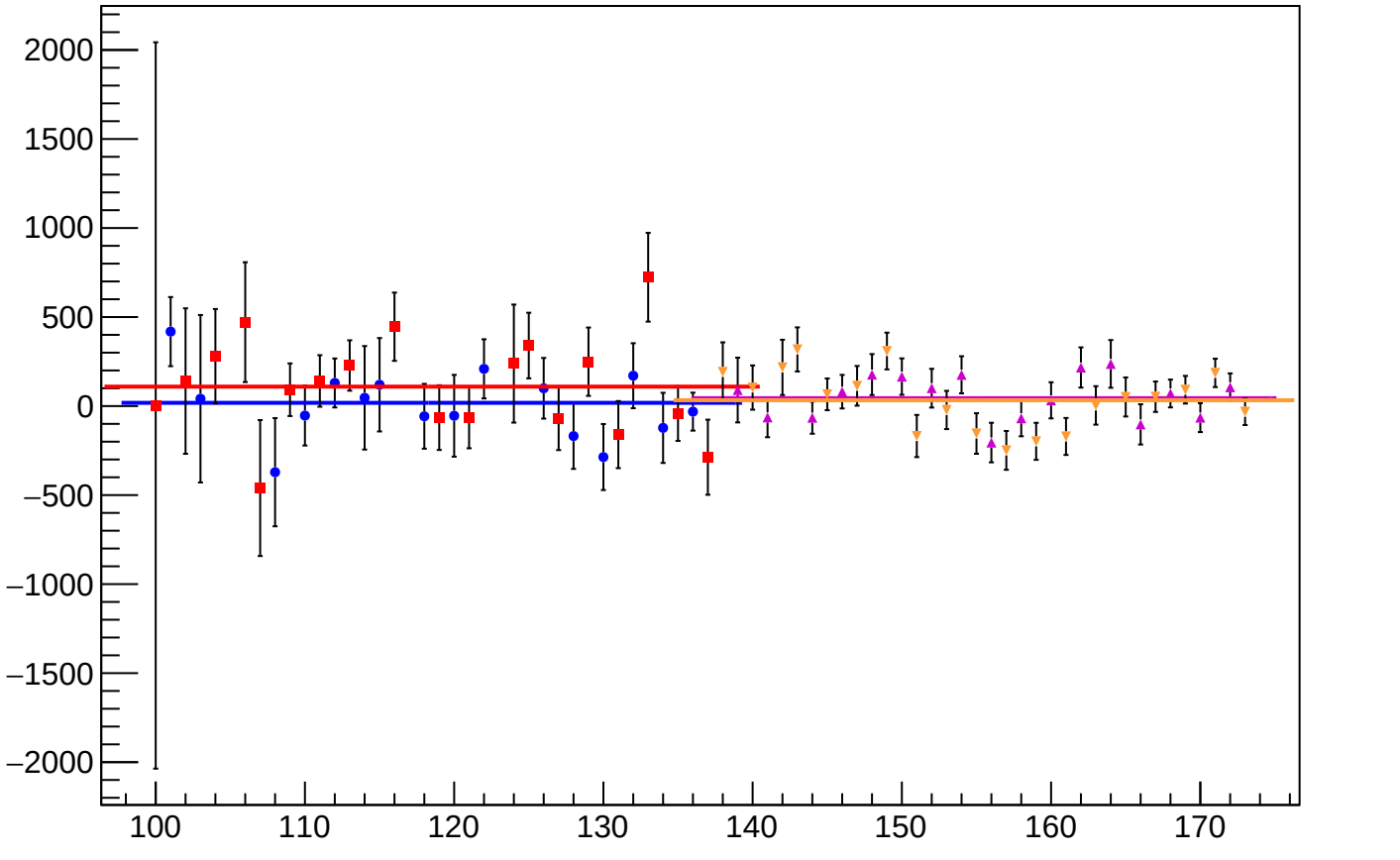
Left: 827.574+/-0.113 χ^2/NDF: 4076897.8/35

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

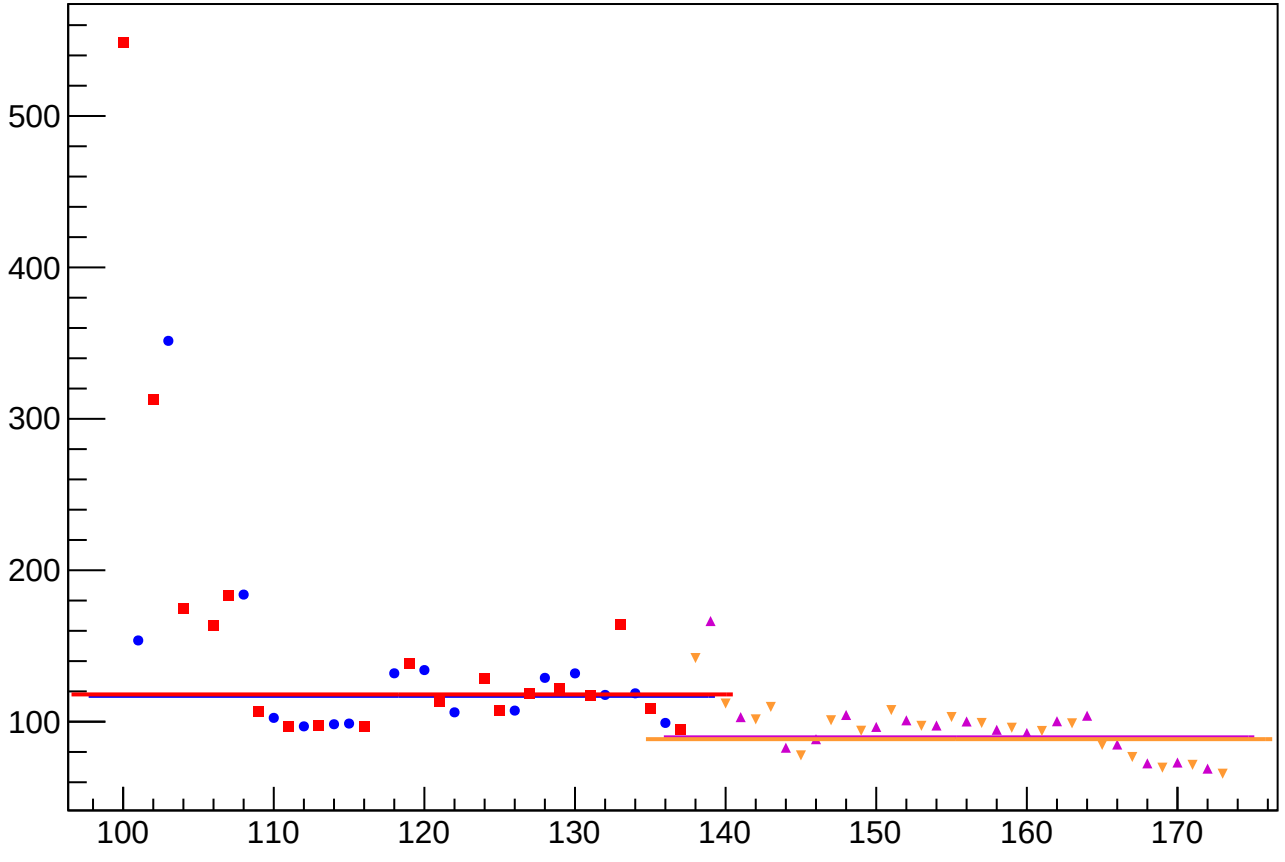
In: 919.292+/-0.152 χ^2/NDF:5372652.9/32

Out: 925.361+/-0.149 χ^2/NDF:5740774.0/37

All: 922.391+/-0.106 χ^2/NDF: 11114242.7/70


eigen_cor_asym_sam3_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
110
120
130
140
150
160
170
Right In: 18.191+/-45.704 χ²/NDF: 13.9/15
Left Out: 32.832+/-23.429 χ²/NDF:42.3/18
Right Out: 109.151+/-45.828 χ²/NDF: 25.4/18
Left In: 44.355+/-24.526 χ²/NDF:22.1/16
Left: 38.330+/-16.941 χ²/NDF: 64.5/35
Right: 63.548+/-32.361 χ²/NDF: 41.2/34
In: 38.505+/-21.611 χ²/NDF:36.2/32
Out: 48.646+/-20.861 χ²/NDF:69.9/37
All: 43.755+/-15.009 χ²/NDF: 106.2/70

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 88.461+/-0.017 χ^2/NDF:1001237.0/18

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 89.657+/-0.017 χ^2/NDF:862015.4/16

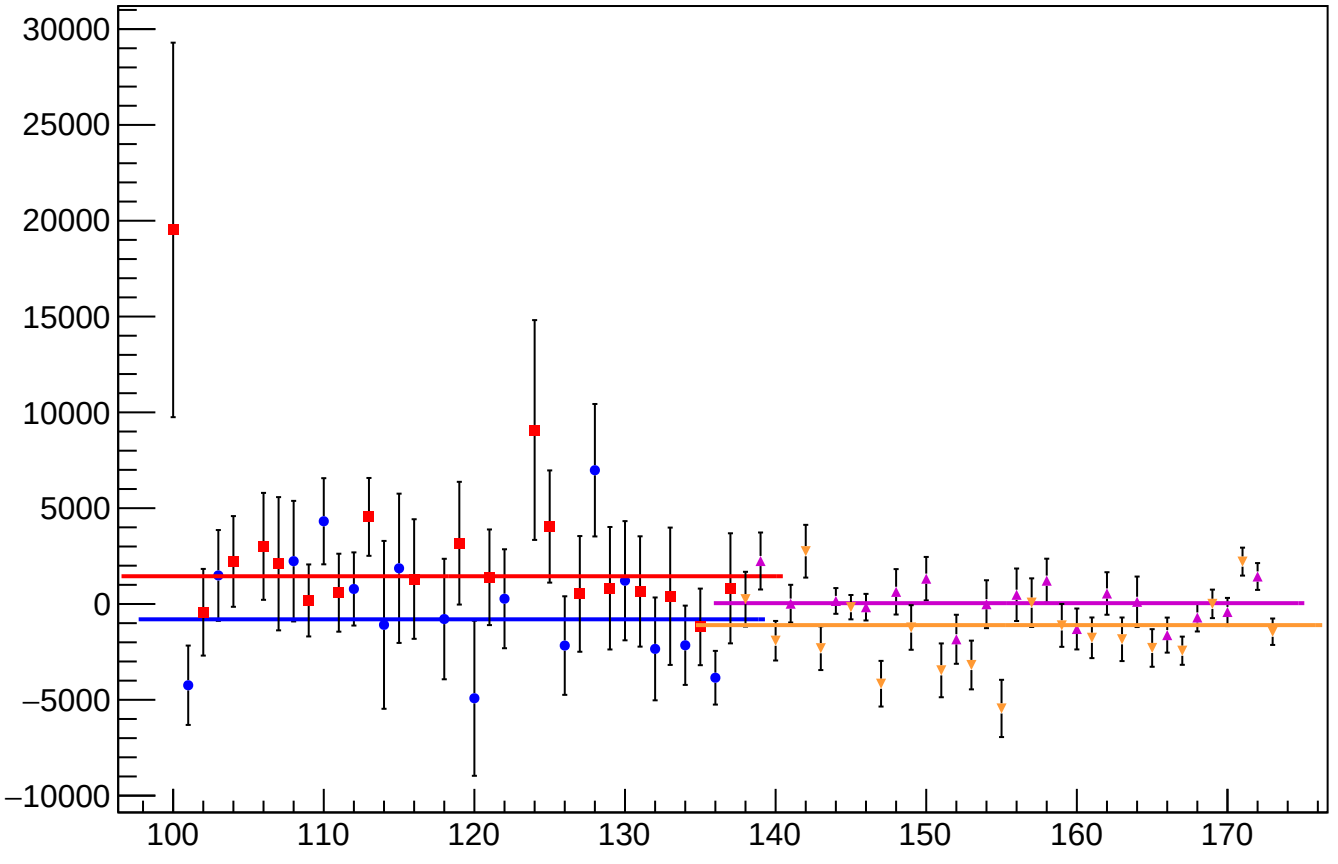
Left: 89.032+/-0.012 χ^2/NDF: 1865739.3/35

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 95.785+/-0.015 χ^2/NDF:2278730.9/32

Out: 94.583+/-0.015 χ^2/NDF:2646779.1/37

All: 95.163+/-0.011 χ^2/NDF: 4928709.3/70



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1101.873+/-223.703 χ^2/NDF:62.8/18

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 43.784+/-229.065 χ^2/NDF:17.7/16

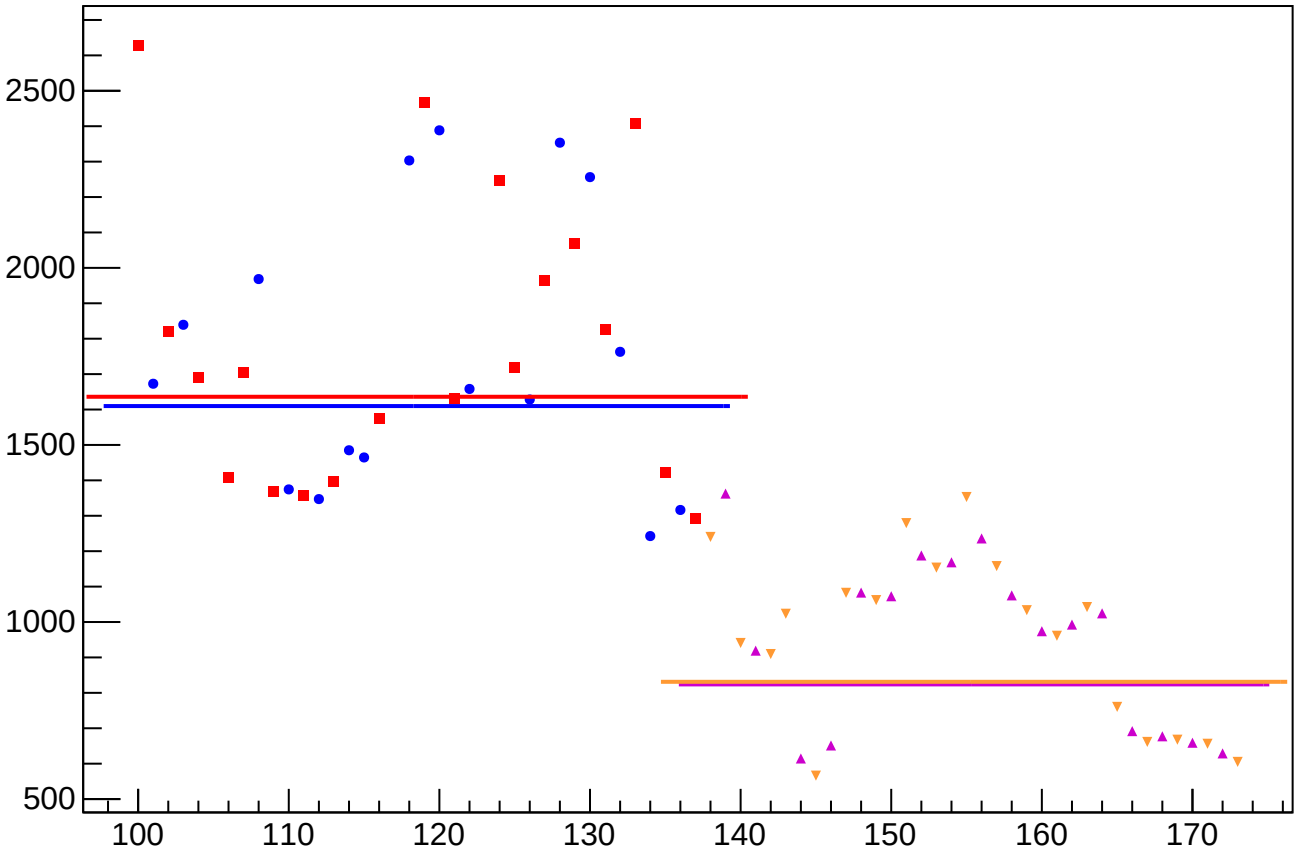
Left: -542.611+/-160.044 χ^2/NDF: 93.3/35

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -58.608+/-214.702 χ^2/NDF:42.8/32

Out: -803.394+/-210.205 χ^2/NDF:90.5/37

All: -438.882+/-150.202 χ^2/NDF: 139.4/70



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 831.160+/-0.158 χ^2/NDF:2182714.3/18

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 823.815+/-0.162 χ^2/NDF:1893131.0/16

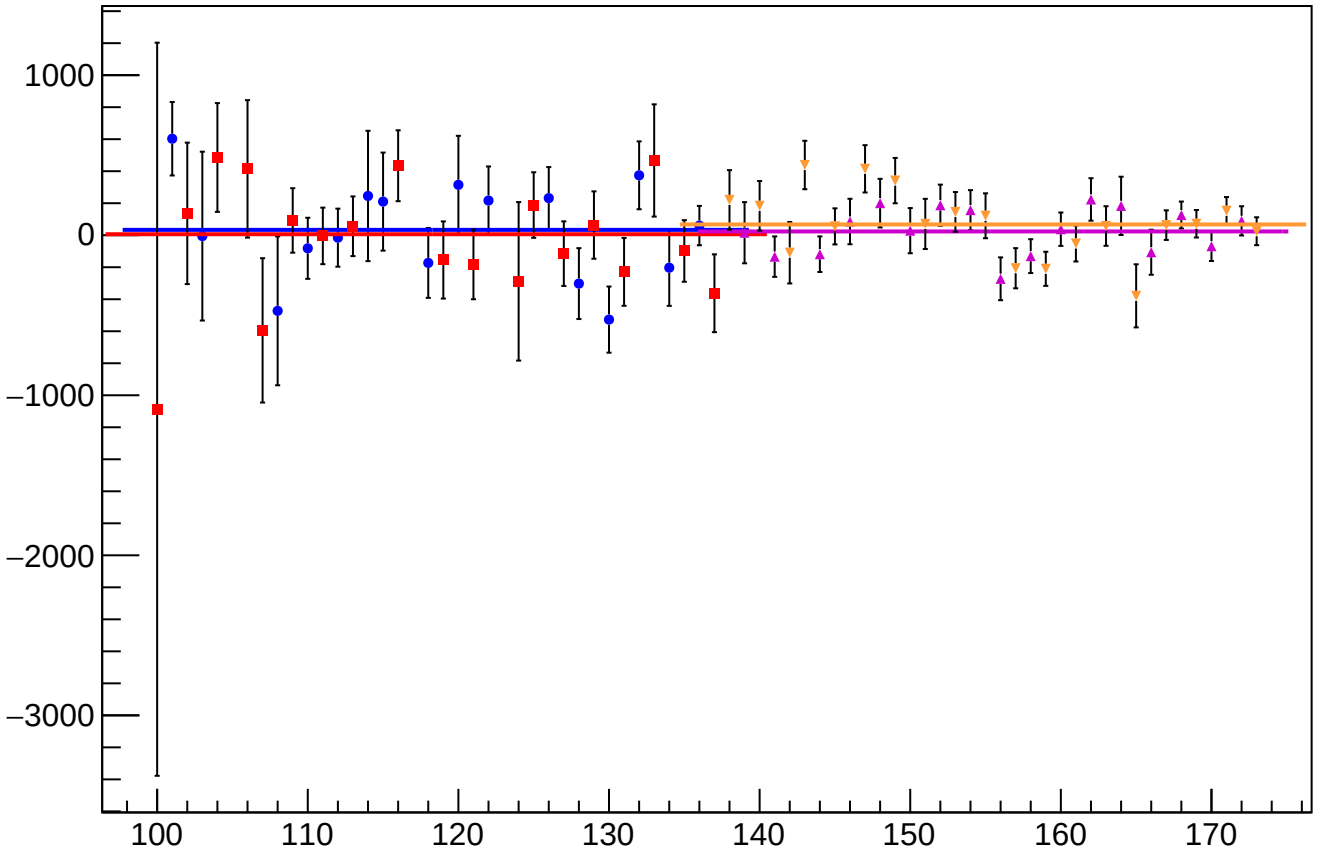
Left: 827.574+/-0.113 χ^2/NDF: 4076897.8/35

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 919.292+/-0.152 χ^2/NDF:5372652.9/32

Out: 925.361+/-0.149 χ^2/NDF:5740774.0/37

All: 922.391+/-0.106 χ^2/NDF: 11114242.7/70



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 67.349+/-27.588 χ^2/NDF:36.9/18

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: 23.535+/-28.973 χ^2/NDF:21.4/16

Left: 46.514+/-19.980 χ^2/NDF: 59.6/35

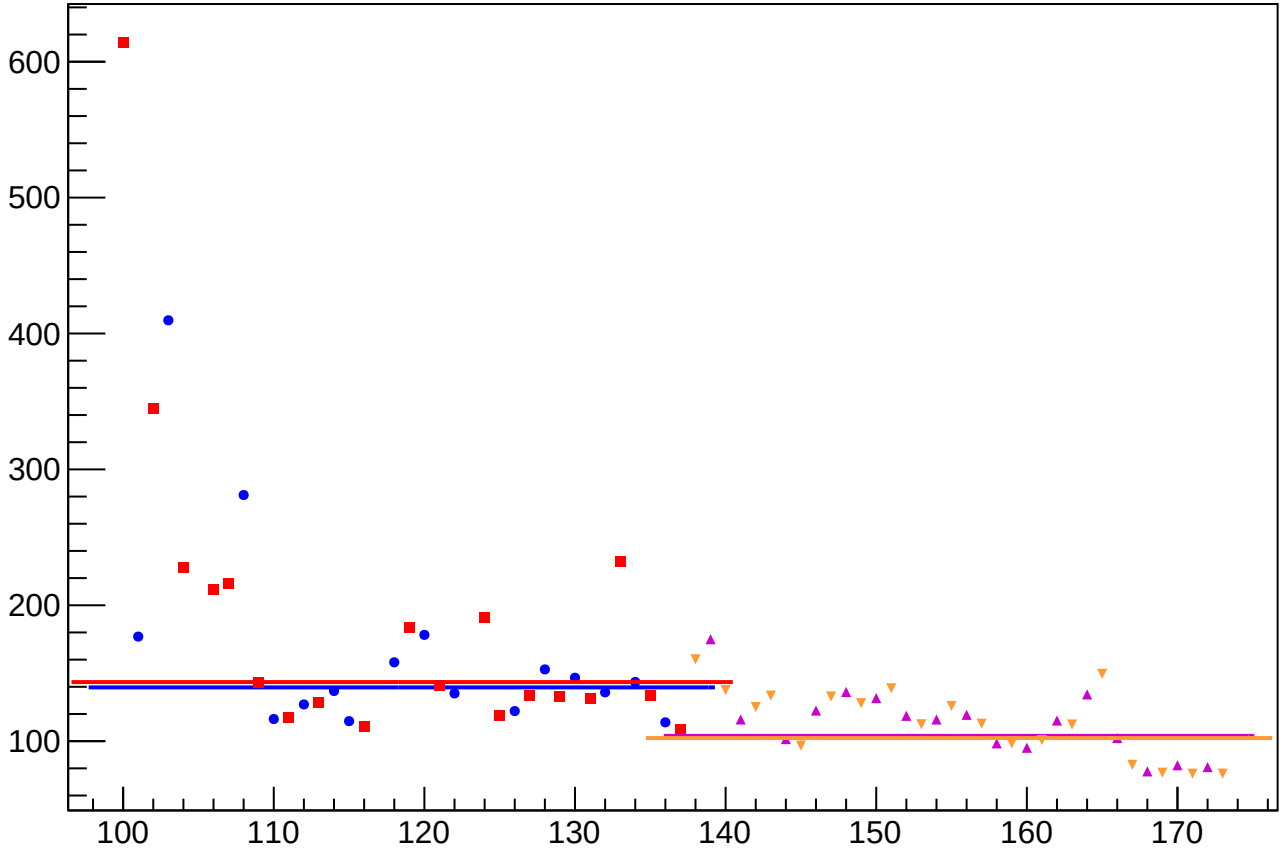
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 25.699+/-25.625 χ^2/NDF:46.6/32

Out: 55.419+/-24.756 χ^2/NDF:55.2/37

All: 41.072+/-17.804 χ^2/NDF: 102.5/70

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 102.291+/-0.020 χ^2/NDF:1526785.9/18

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 103.877+/-0.020 χ^2/NDF:1089258.6/16

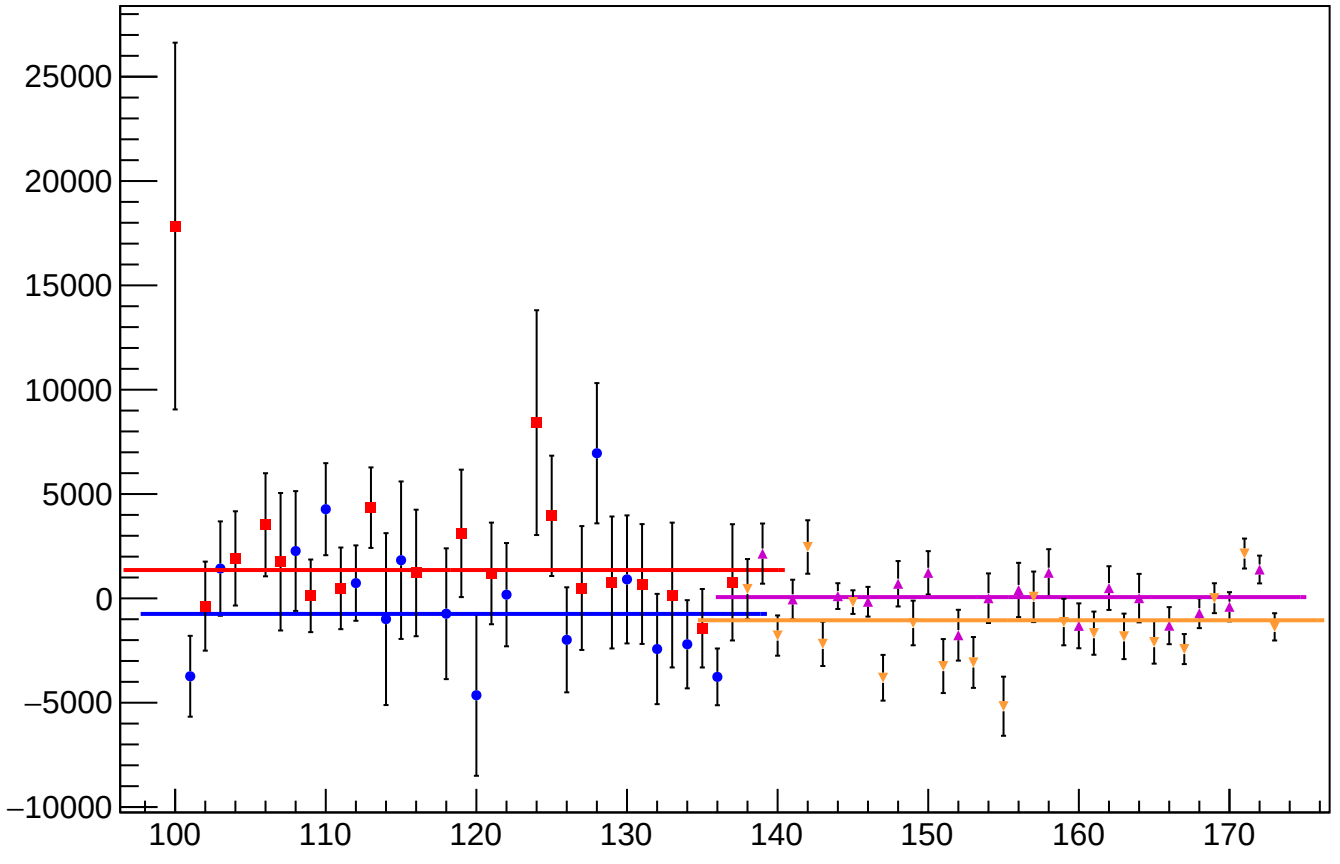
Left: 103.045+/-0.014 χ^2/NDF: 2619186.9/35

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 111.650+/-0.018 χ^2/NDF:2726940.3/32

Out: 110.314+/-0.018 χ^2/NDF:3511834.8/37

All: 110.959+/-0.013 χ^2/NDF: 6241584.8/70



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1049.323+/-213.138 χ^2/NDF:61.8/18

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 60.792+/-219.408 χ^2/NDF:16.9/16

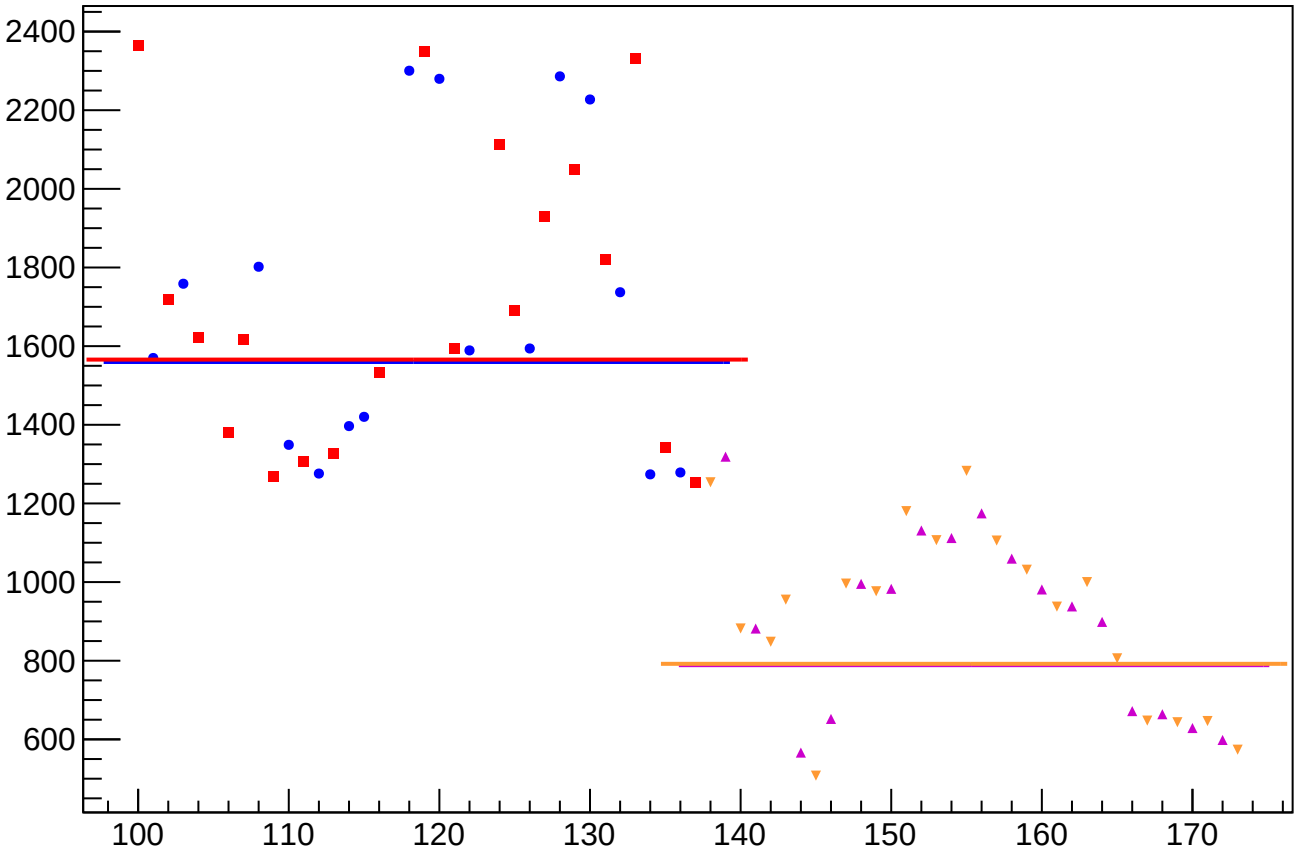
Left: -510.354+/-152.880 χ^2/NDF: 91.9/35

Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: -35.394+/-205.892 χ^2/NDF:42.0/32

Out: -767.918+/-200.293 χ^2/NDF:90.2/37

All: -411.750+/-143.567 χ^2/NDF: 138.7/70



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 792.112+/-0.151 χ^2/NDF:2272900.4/18

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 788.716+/-0.155 χ^2/NDF:1848553.4/16

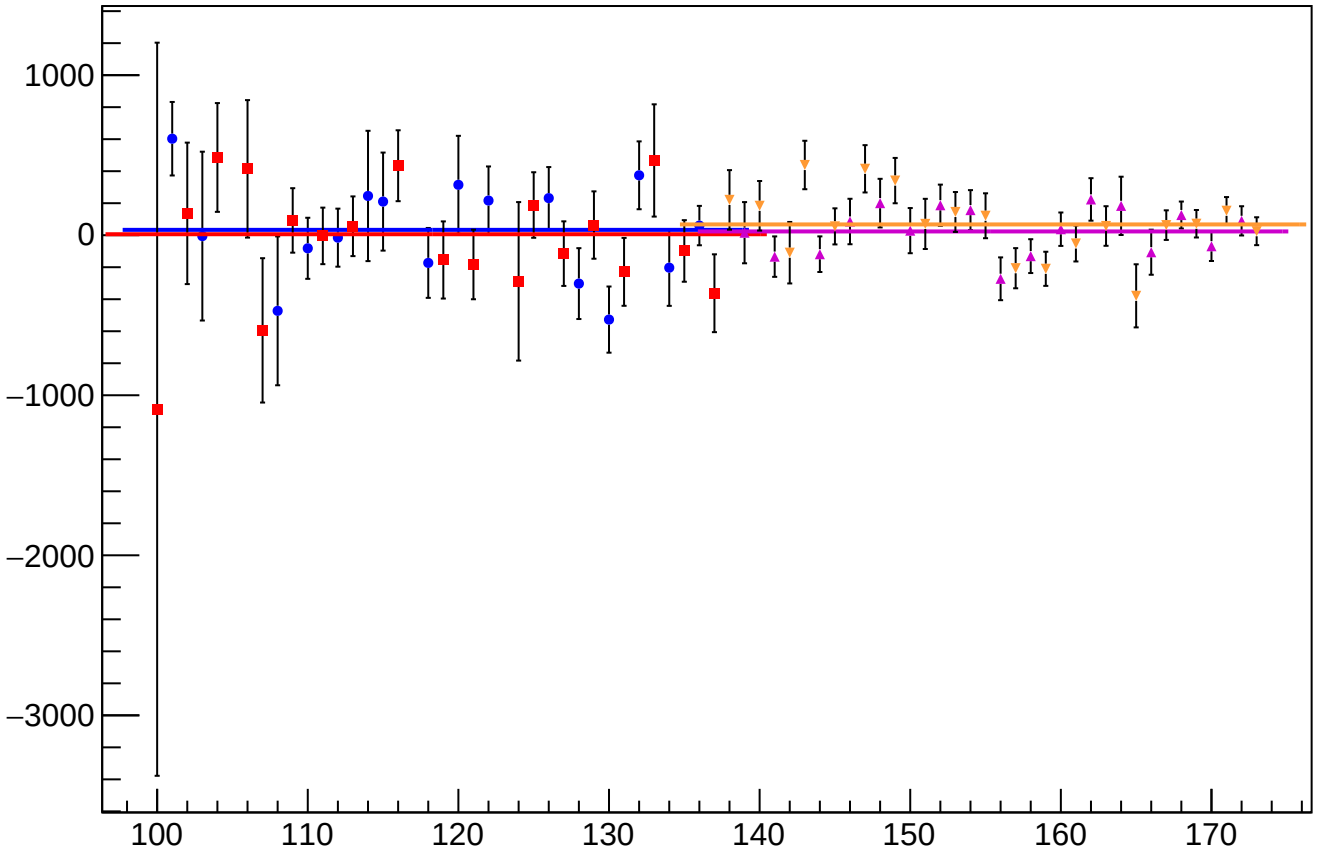
Left: 790.463+/-0.108 χ^2/NDF: 4121700.3/35

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 880.788+/-0.146 χ^2/NDF:5402041.5/32

Out: 882.558+/-0.142 χ^2/NDF:5917589.4/37

All: 881.698+/-0.102 χ^2/NDF: 11319706.9/70



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 67.350+/-27.588 χ^2/NDF:36.9/18

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: 23.534+/-28.973 χ^2/NDF:21.4/16

Left: 46.514+/-19.980 χ^2/NDF: 59.6/35

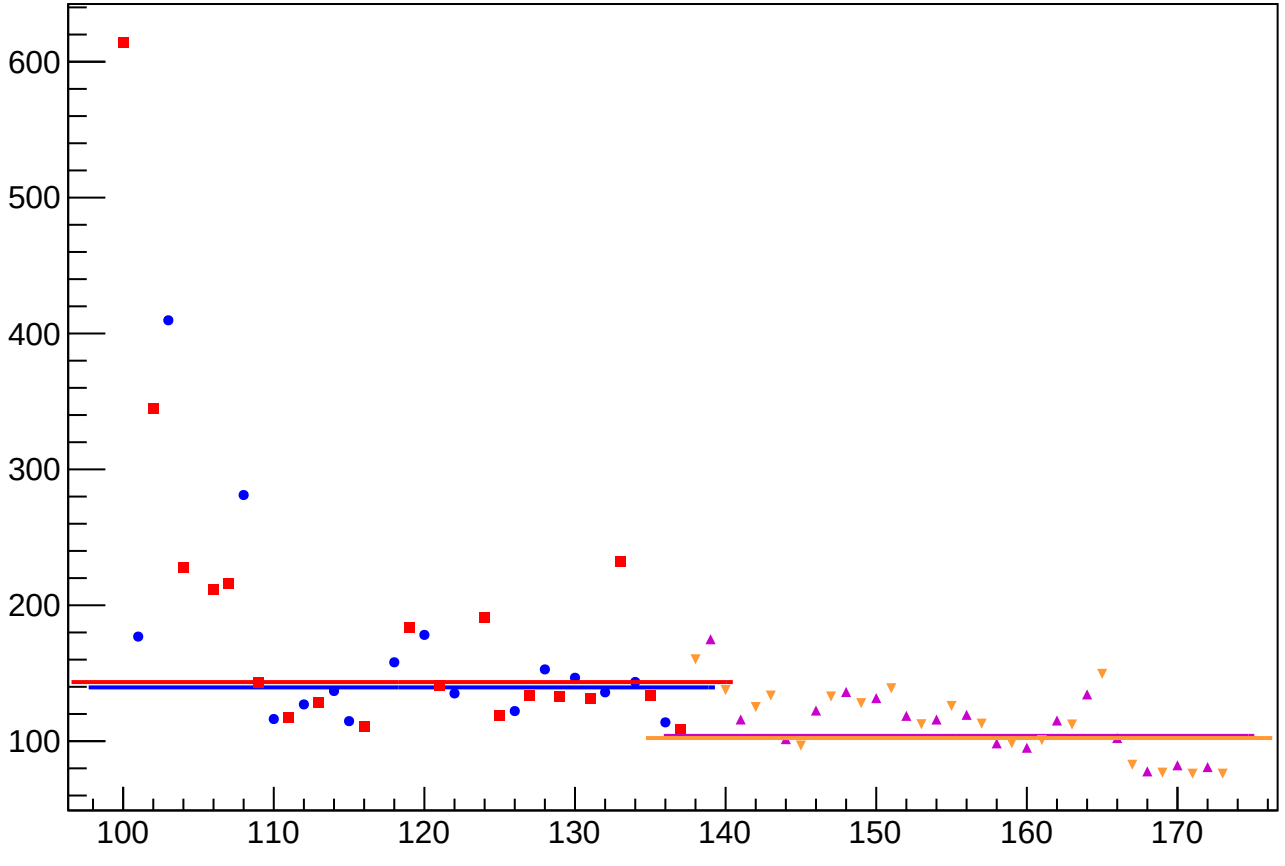
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 25.698+/-25.625 χ^2/NDF:46.6/32

Out: 55.419+/-24.756 χ^2/NDF:55.2/37

All: 41.071+/-17.804 χ^2/NDF: 102.5/70

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 102.291+/-0.020 χ^2/NDF:1526812.5/18

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 103.877+/-0.020 χ^2/NDF:1089272.8/16

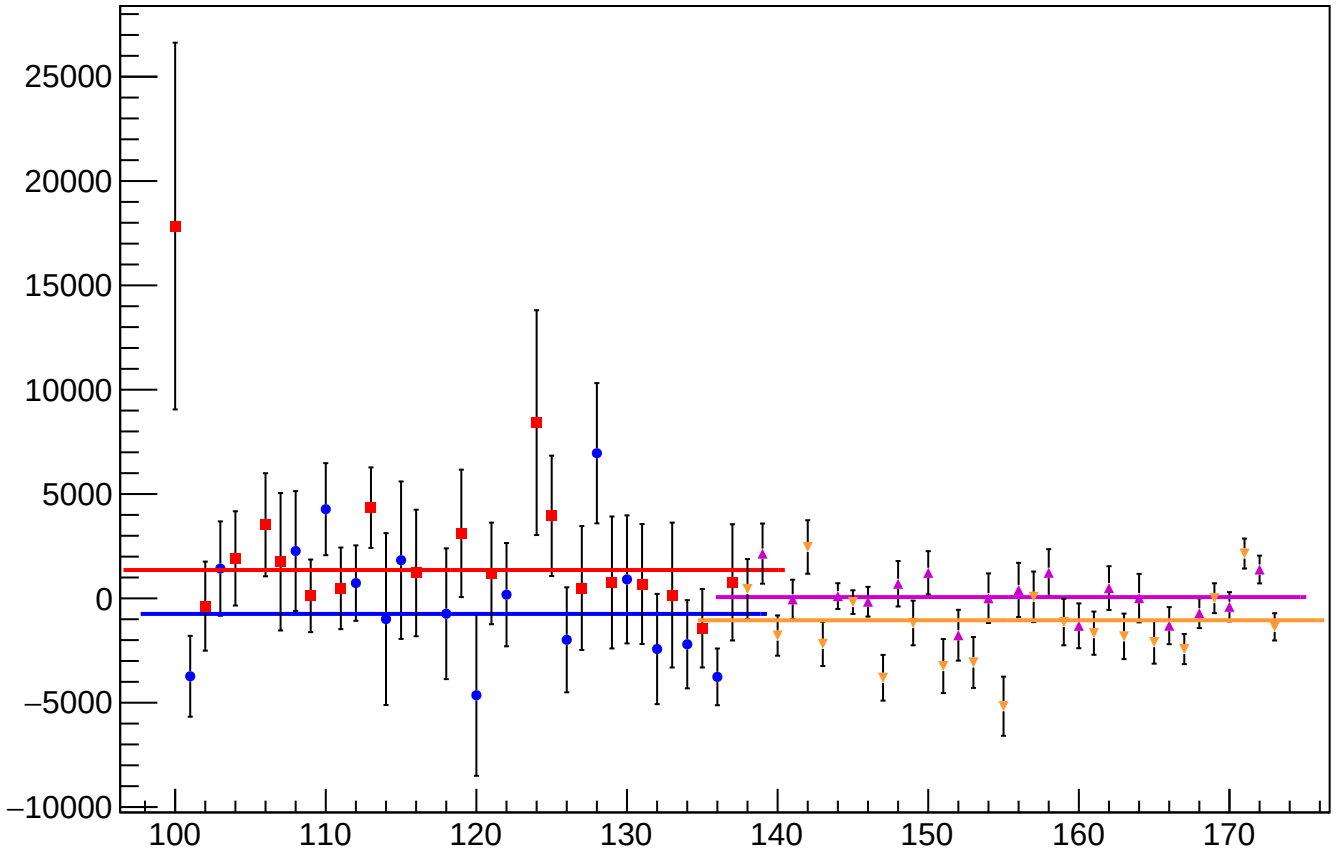
Left: 103.046+/-0.014 χ^2/NDF: 2619227.7/35

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 111.650+/-0.018 χ^2/NDF:2726951.7/32

Out: 110.315+/-0.018 χ^2/NDF:3511868.6/37

All: 110.960+/-0.013 χ^2/NDF: 6241630.0/70



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1049.324+/-213.138 χ^2/NDF:61.8/18

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 60.791+/-219.408 χ^2/NDF:16.9/16

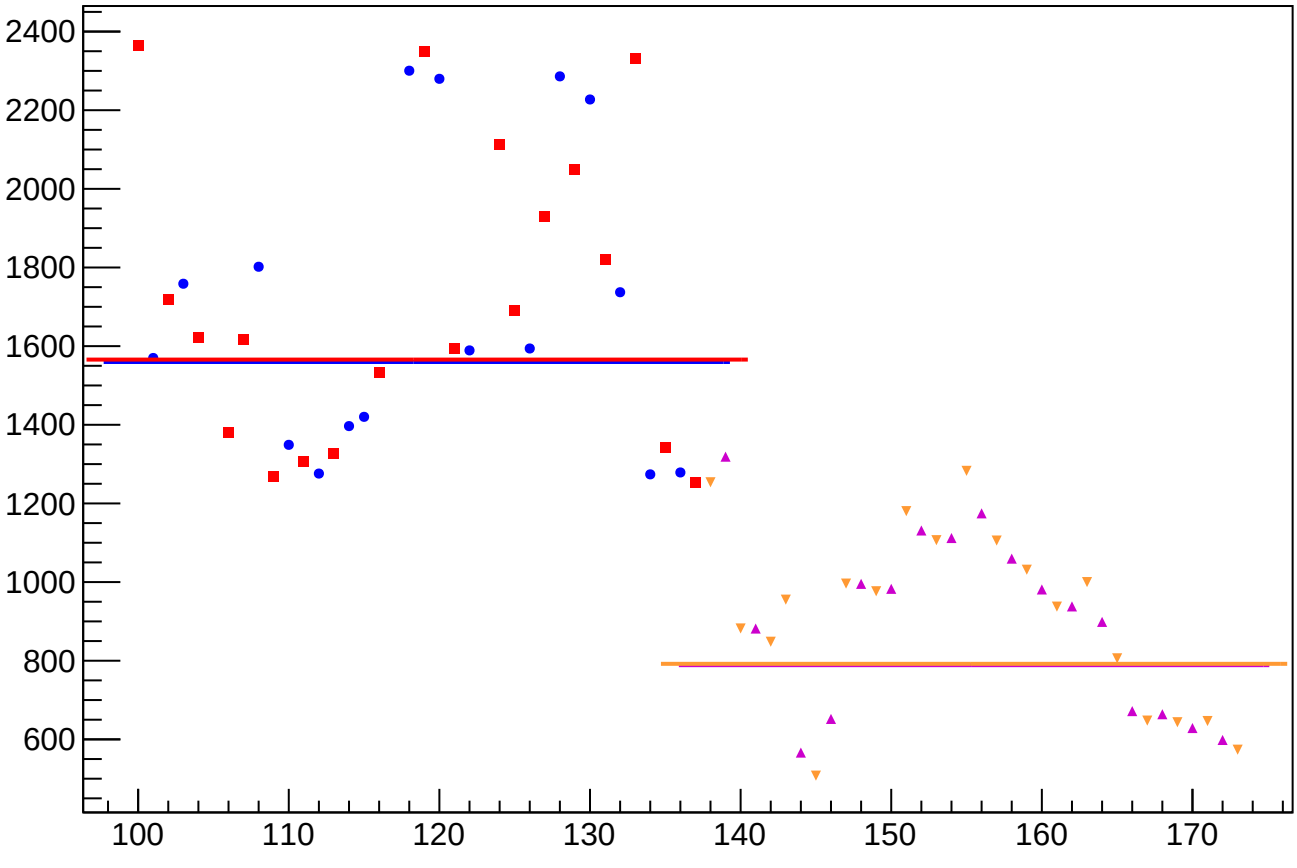
Left: -510.355+/-152.880 χ^2/NDF: 91.9/35

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: -35.395+/-205.891 χ^2/NDF:42.0/32

Out: -767.918+/-200.293 χ^2/NDF:90.2/37

All: -411.751+/-143.567 χ^2/NDF: 138.7/70



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 792.111+/-0.151 χ^2/NDF:2272894.8/18

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 788.716+/-0.155 χ^2/NDF:1848549.2/16

Left: 790.463+/-0.108 χ^2/NDF: 4121690.4/35

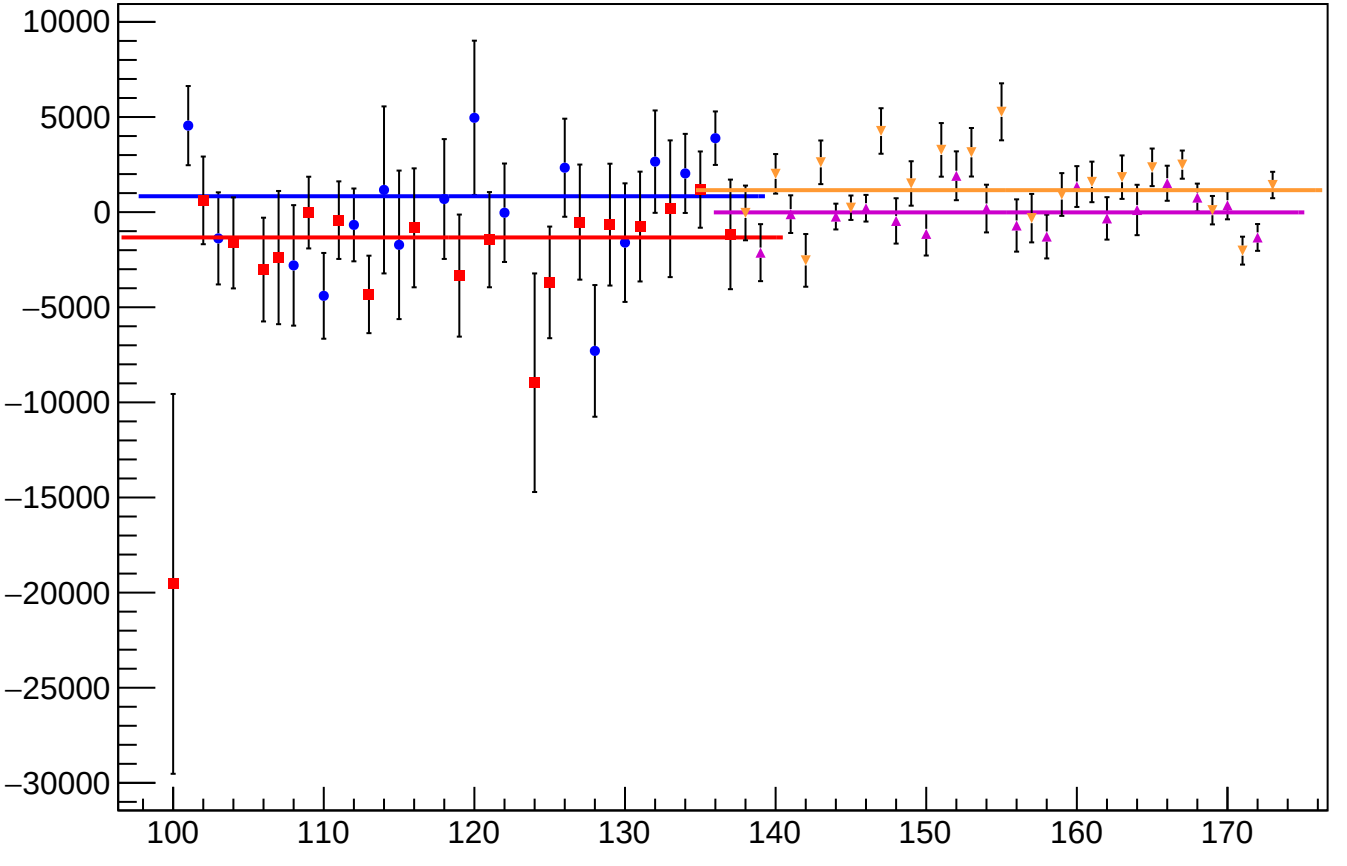
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 880.787+/-0.146 χ^2/NDF:5402037.5/32

Out: 882.557+/-0.142 χ^2/NDF:5917578.8/37

All: 881.697+/-0.102 χ^2/NDF: 11319692.2/70

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1154.942+/-225.077 χ^2/NDF:58.8/18

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: -13.097+/-230.575 χ^2/NDF:16.4/16

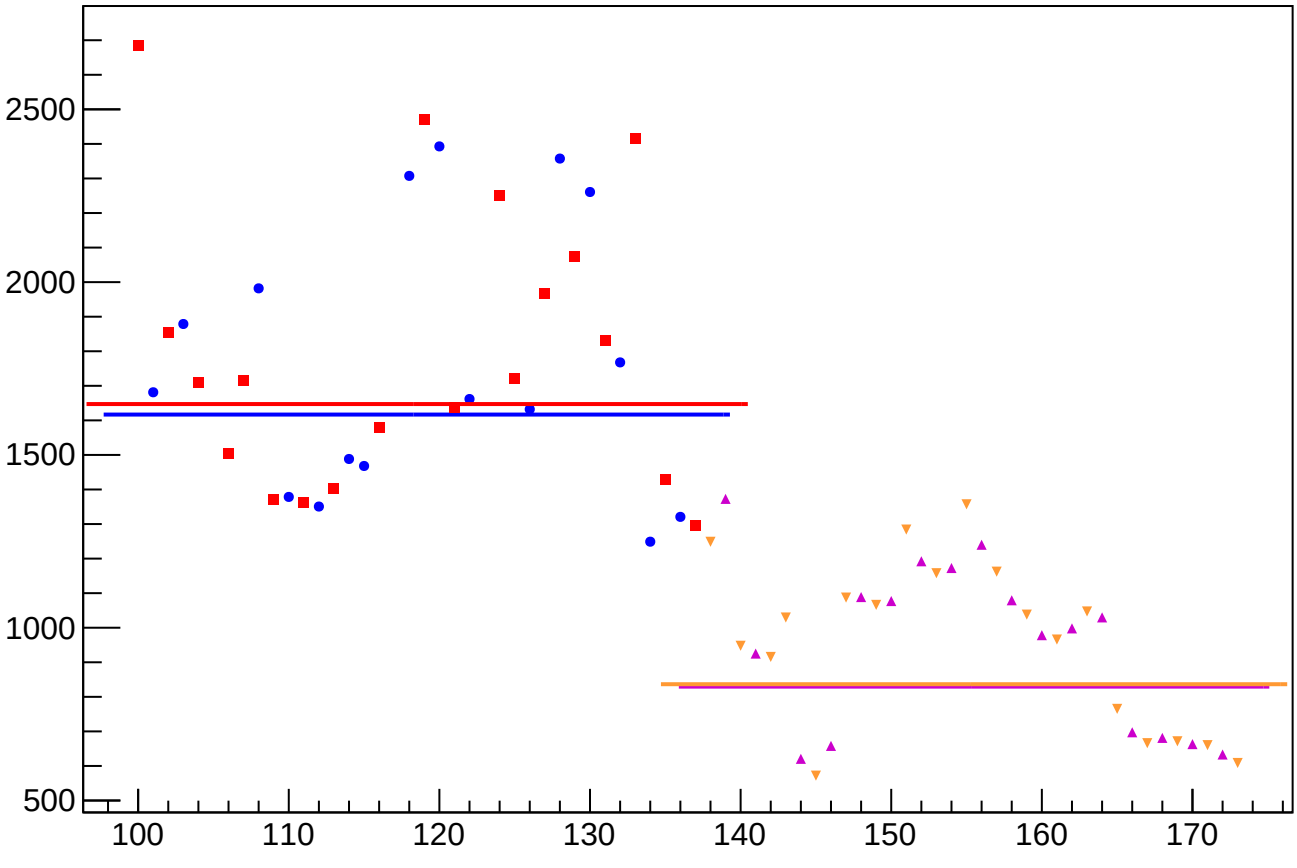
Left: 585.014+/-161.062 χ^2/NDF: 88.4/35

Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 90.366+/-216.062 χ^2/NDF:43.0/32

Out: 862.674+/-211.424 χ^2/NDF:85.3/37

All: 484.897+/-151.113 χ^2/NDF: 134.8/70



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 836.533+/-0.159 χ^2/NDF:2162902.6/18

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 829.574+/-0.163 χ^2/NDF:1872621.2/16

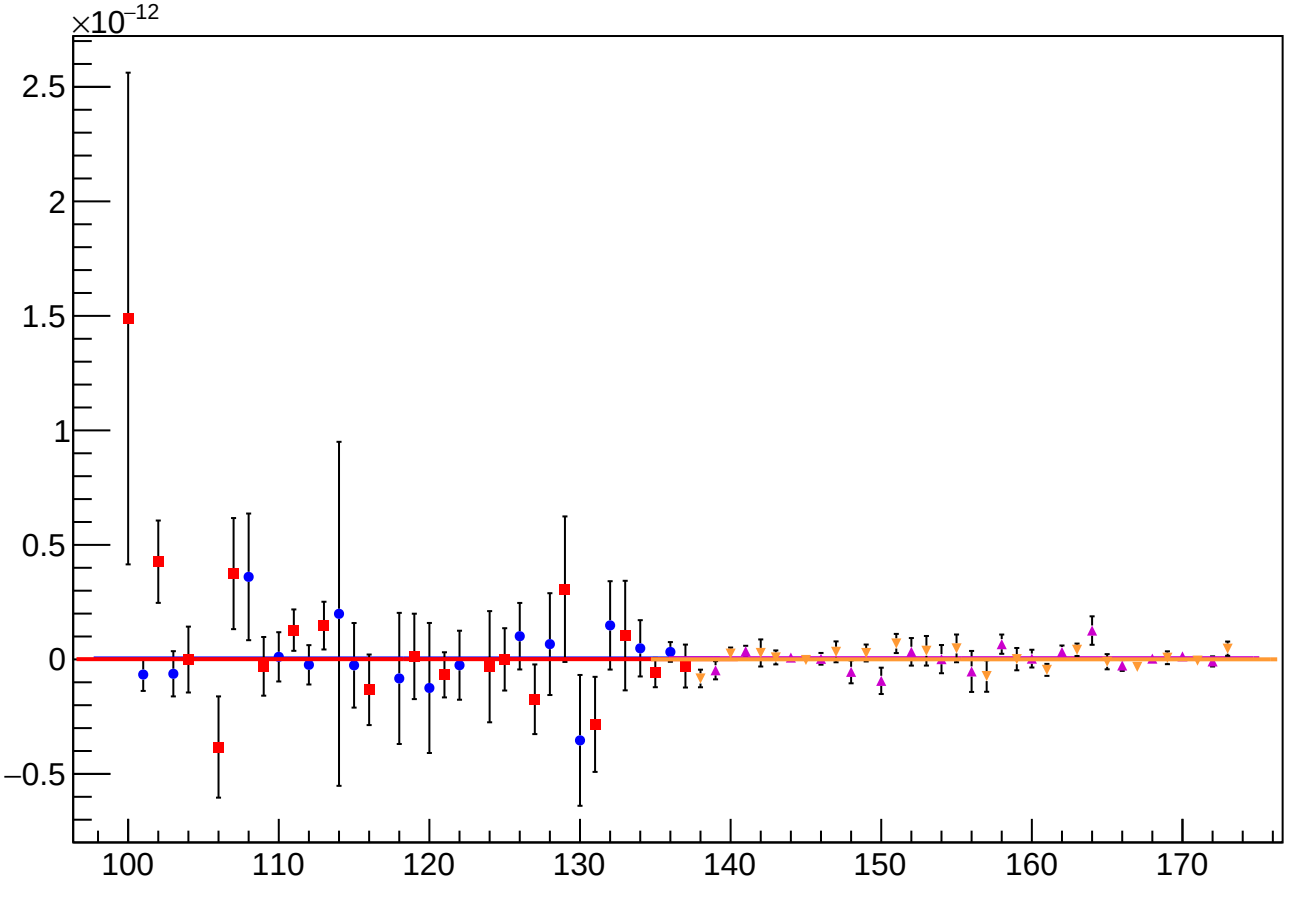
Left: 833.138+/-0.114 χ^2/NDF: 4036456.5/35

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 925.555+/-0.153 χ^2/NDF:5337341.5/32

Out: 931.901+/-0.149 χ^2/NDF:5739060.7/37

All: 928.797+/-0.107 χ^2/NDF: 11077283.5/70



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:17.6/16

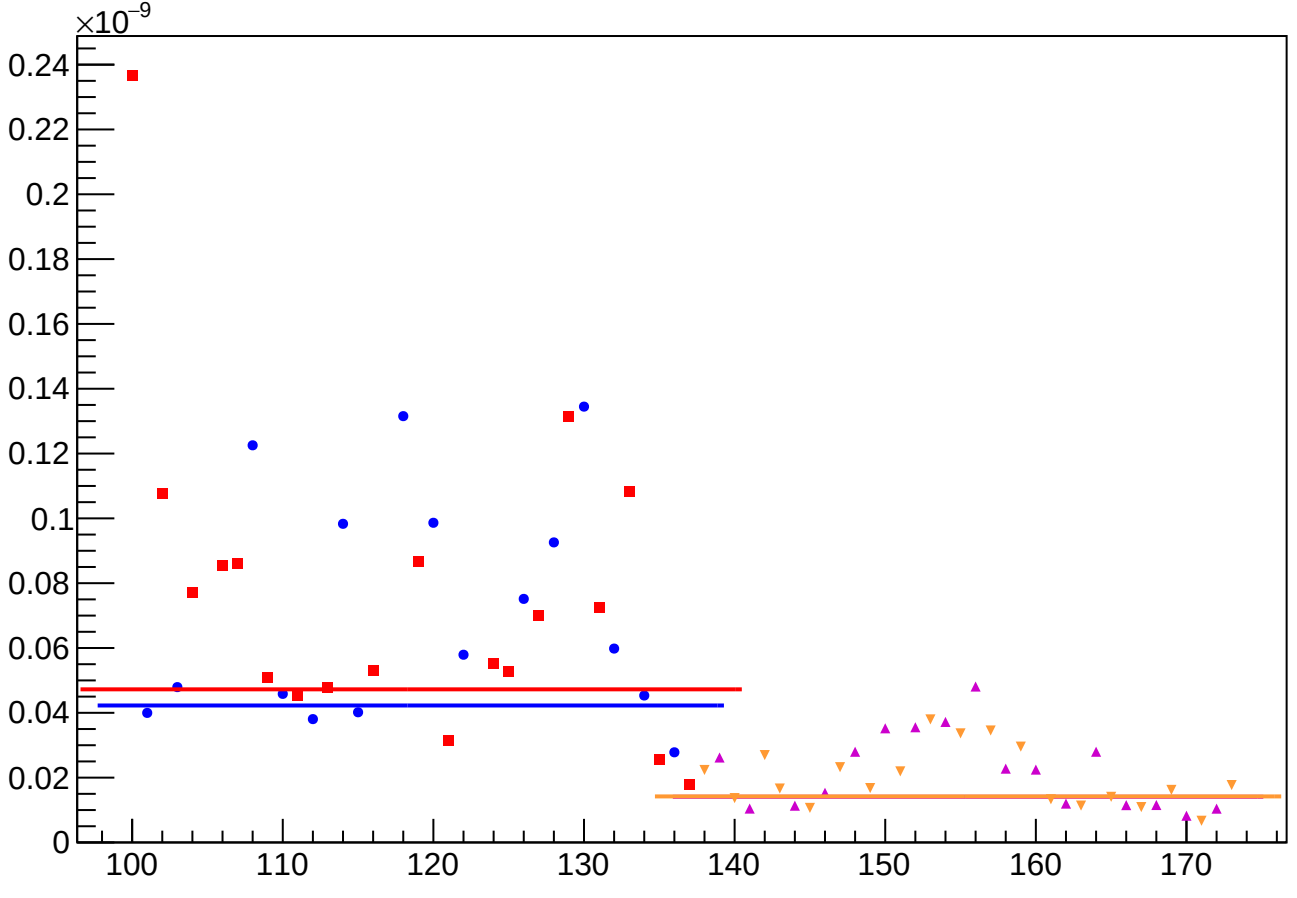
Left: 0.000+/-0.000 χ^2/NDF: 40.5/35

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:24.5/32

Out: 0.000+/-0.000 χ^2/NDF:46.0/37

All: 0.000+/-0.000 χ^2/NDF: 70.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1774471.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2129352.2/16

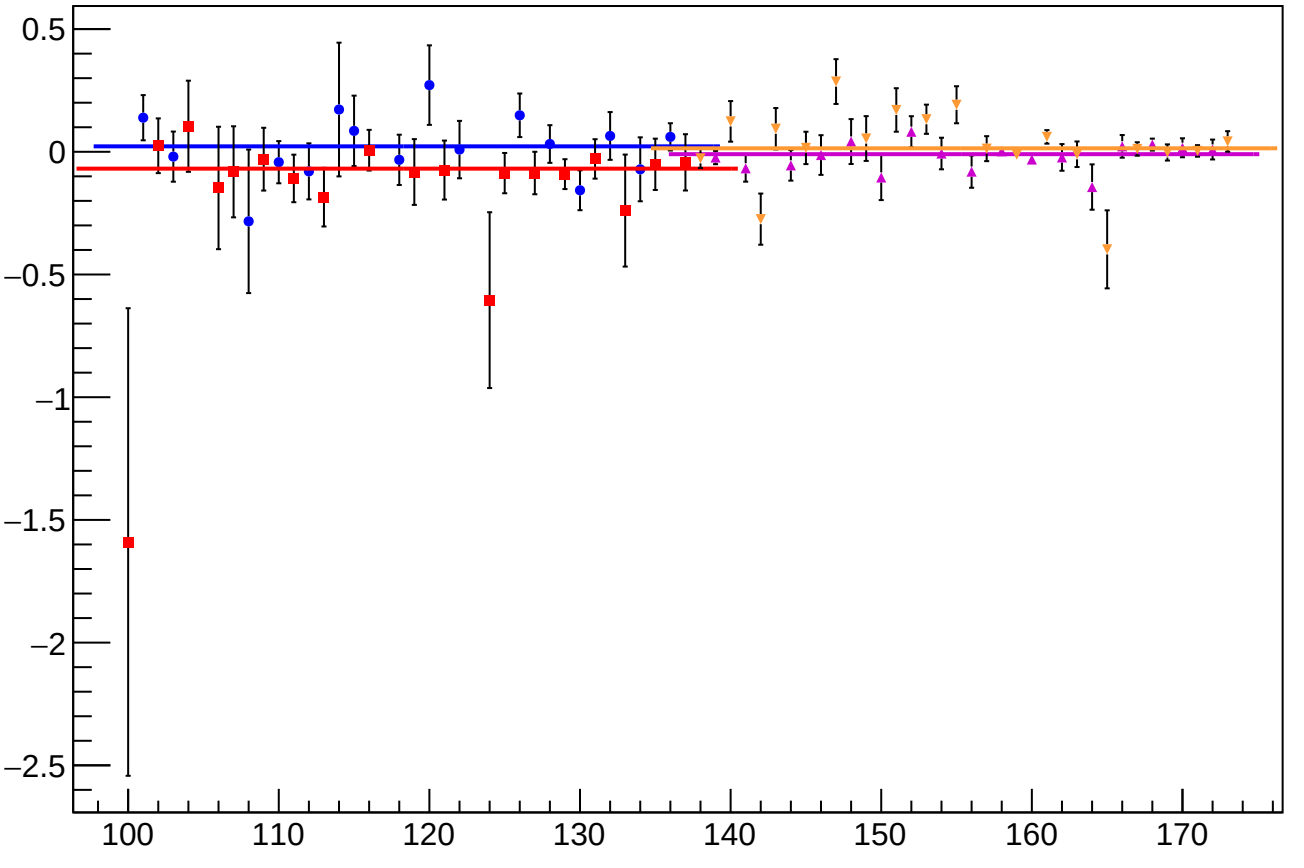
Left: 0.000+/-0.000 χ^2/NDF: 3904088.7/35

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:5280490.6/32

Out: 0.000+/-0.000 χ^2/NDF:5447966.3/37

All: 0.000+/-0.000 χ^2/NDF: 10728559.6/70



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.014+/-0.009 χ^2/NDF:46.6/18

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.008 χ^2/NDF:14.8/16

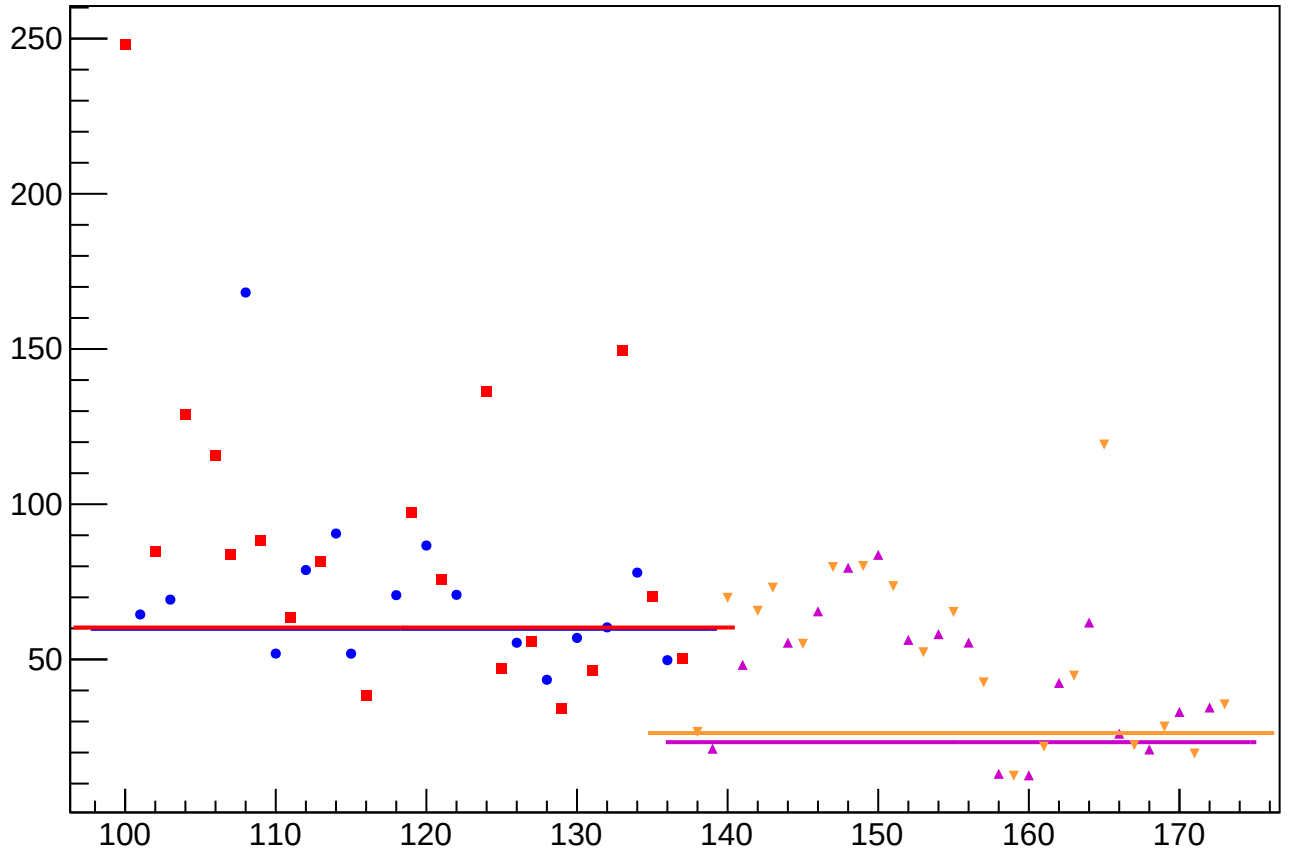
Left: 0.002+/-0.006 χ^2/NDF: 65.4/35

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.006+/-0.008 χ^2/NDF:31.8/32

Out: 0.005+/-0.008 χ^2/NDF:65.9/37

All: -0.001+/-0.006 χ^2/NDF: 98.7/70



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.281+/-0.006 χ^2/NDF:7788411.1/18

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 23.345+/-0.006 χ^2/NDF:7290260.3/16

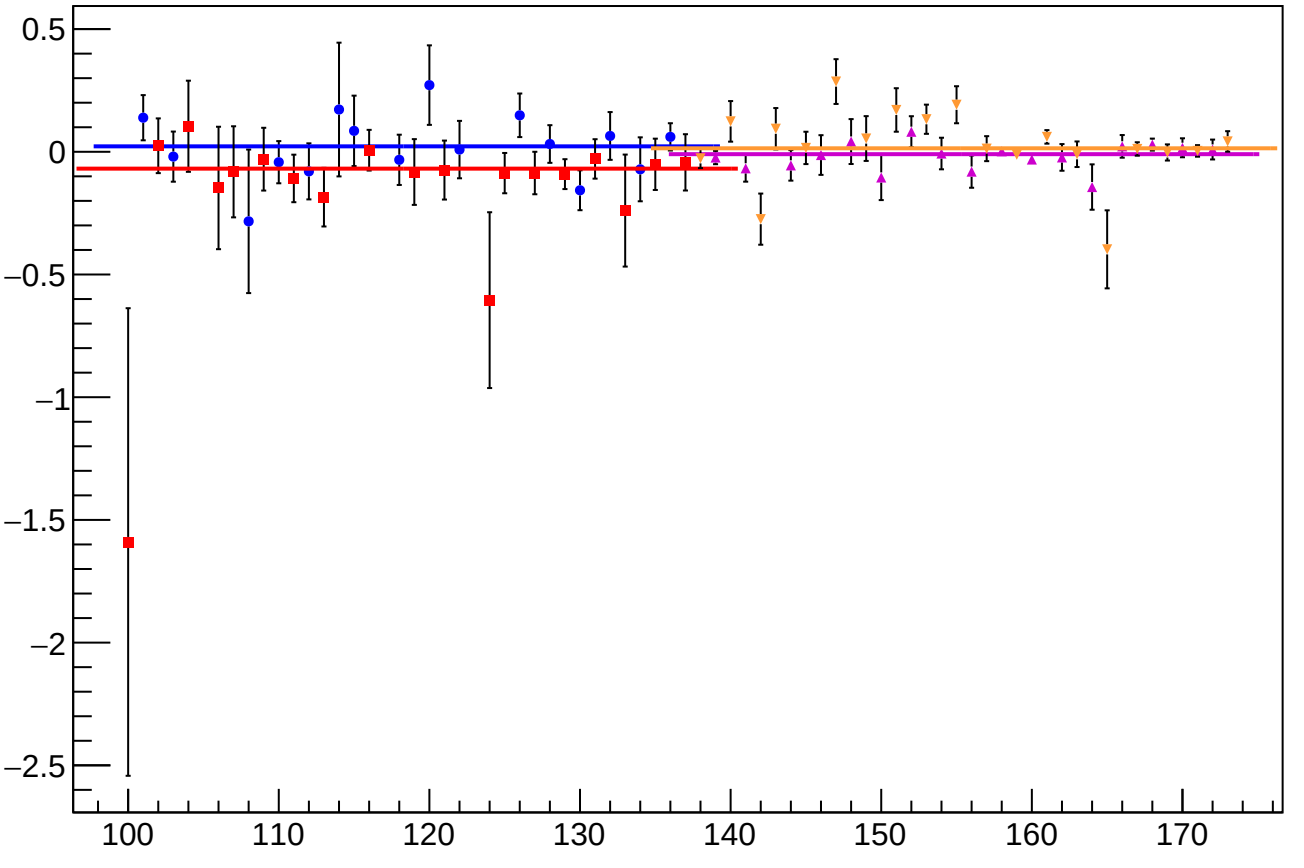
Left: 24.727+/-0.004 χ^2/NDF: 15197224.5/35

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 27.038+/-0.006 χ^2/NDF:11928066.5/32

Out: 29.934+/-0.006 χ^2/NDF:12994629.9/37

All: 28.407+/-0.004 χ^2/NDF: 25051545.4/70



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.014+/-0.009 χ^2/NDF:46.6/18

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.008 χ^2/NDF:14.8/16

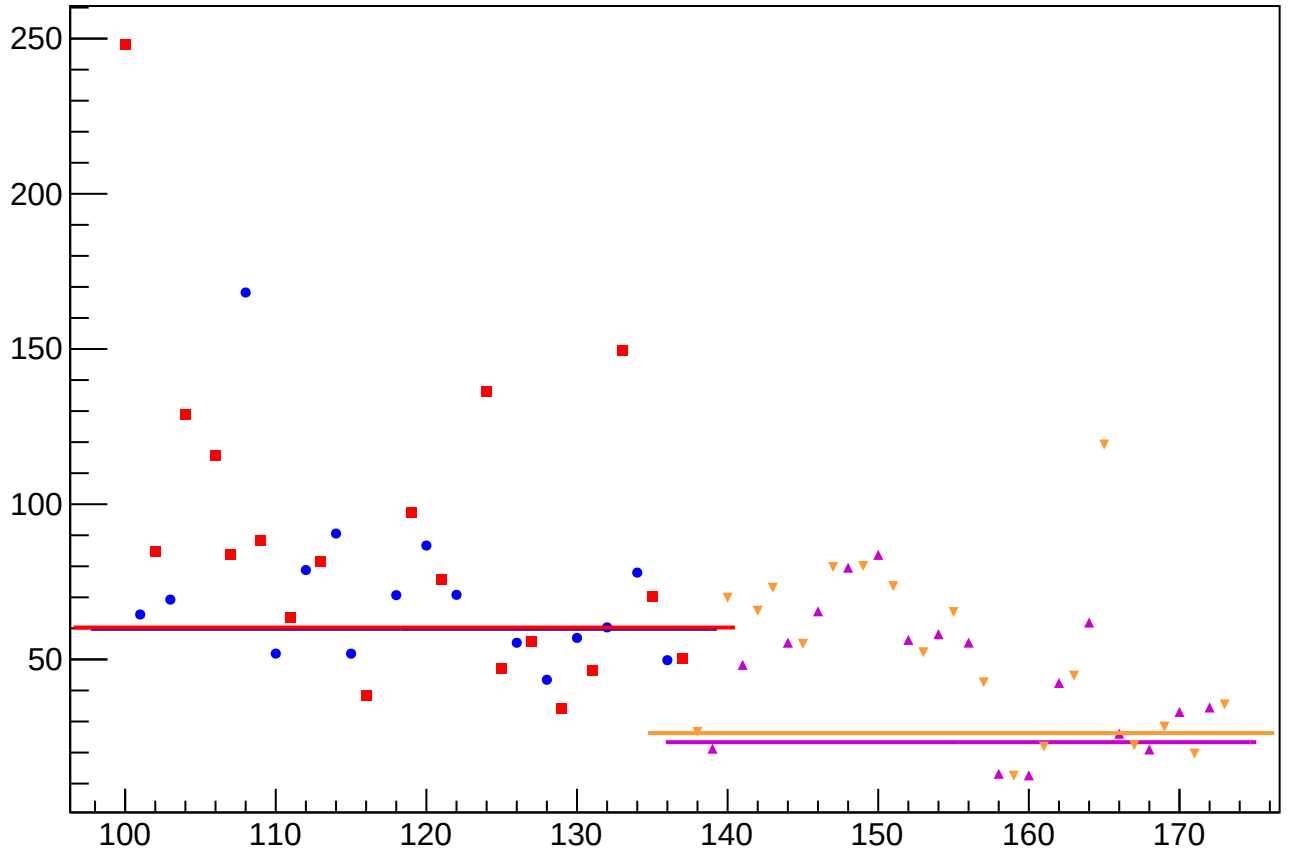
Left: 0.002+/-0.006 χ^2/NDF: 65.4/35

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.006+/-0.008 χ^2/NDF:31.8/32

Out: 0.005+/-0.008 χ^2/NDF:65.9/37

All: -0.001+/-0.006 χ^2/NDF: 98.7/70



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.281+/-0.006 χ^2/NDF:7788411.1/18

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 23.345+/-0.006 χ^2/NDF:7290260.3/16

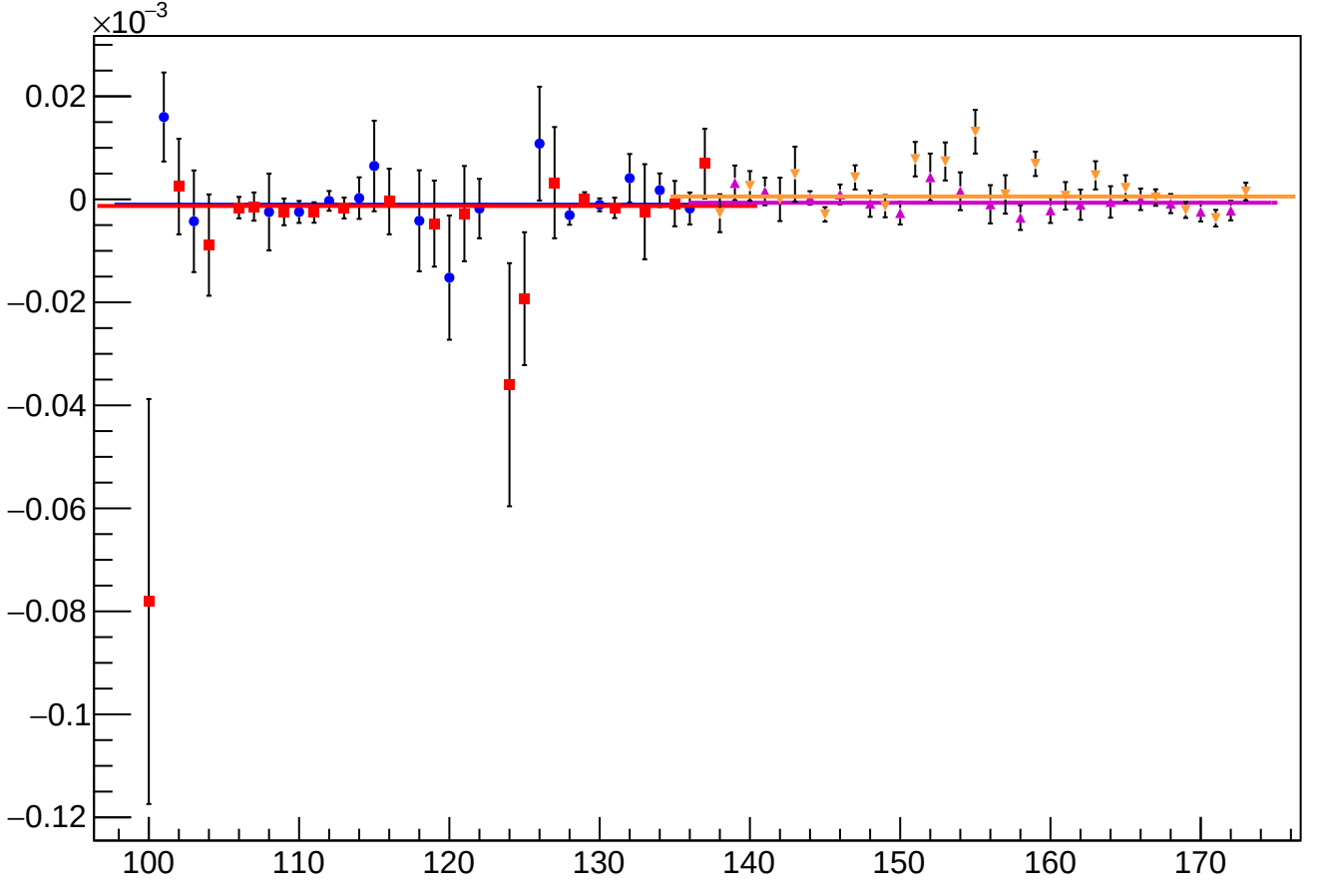
Left: 24.727+/-0.004 χ^2/NDF: 15197224.5/35

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 27.038+/-0.006 χ^2/NDF:11928066.5/32

Out: 29.934+/-0.006 χ^2/NDF:12994629.9/37

All: 28.407+/-0.004 χ^2/NDF: 25051545.4/70



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/16

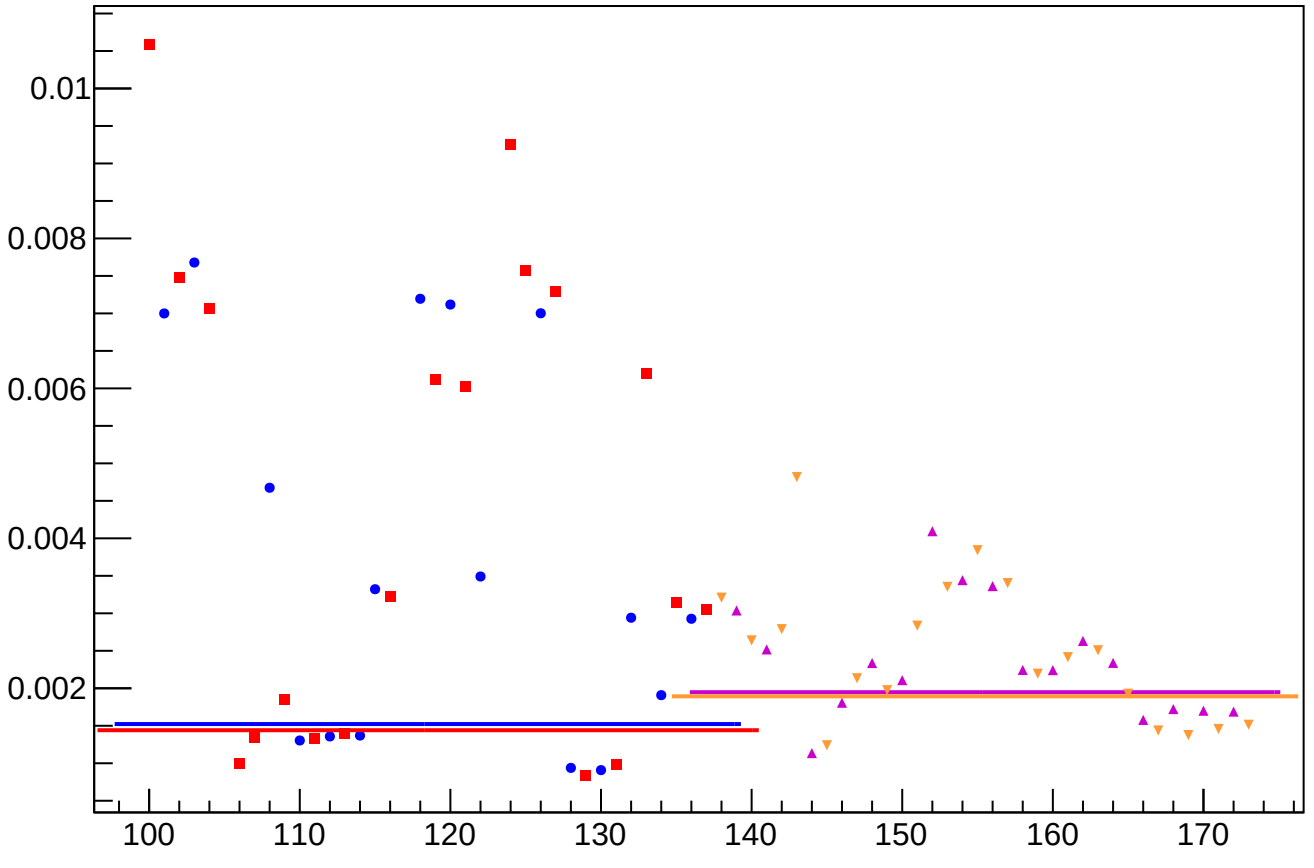
Left: -0.000+/-0.000 χ^2/NDF: 59.6/35

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:20.4/32

Out: -0.000+/-0.000 χ^2/NDF:65.0/37

All: -0.000+/-0.000 χ^2/NDF: 86.7/70



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:3601330.0/18

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2560504.2/16

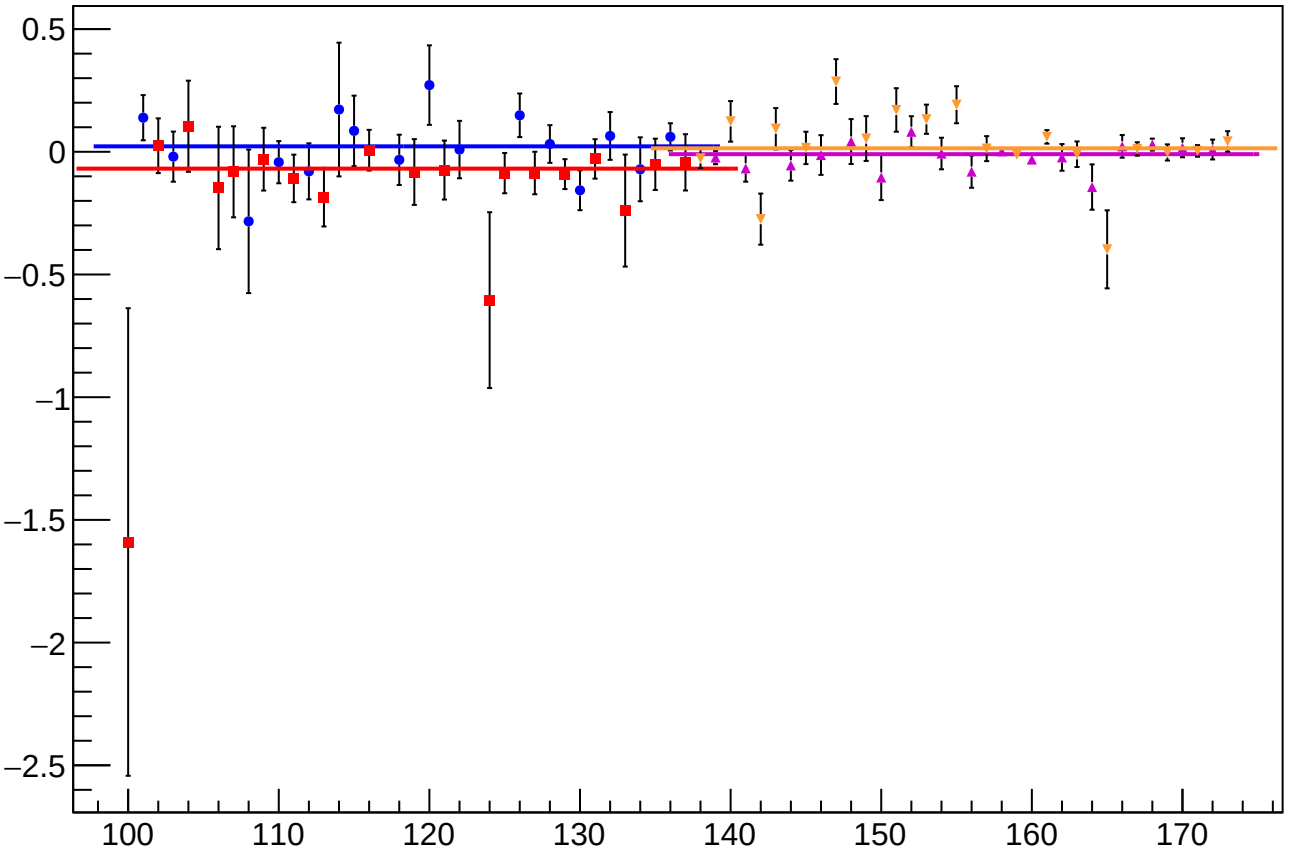
Left: 0.002+/-0.000 χ^2/NDF: 6172318.8/35

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:8166885.3/32

Out: 0.002+/-0.000 χ^2/NDF:9925119.8/37

All: 0.002+/-0.000 χ^2/NDF: 18114931.4/70



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.014+/-0.009 χ^2/NDF:46.6/18

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.008 χ^2/NDF:14.8/16

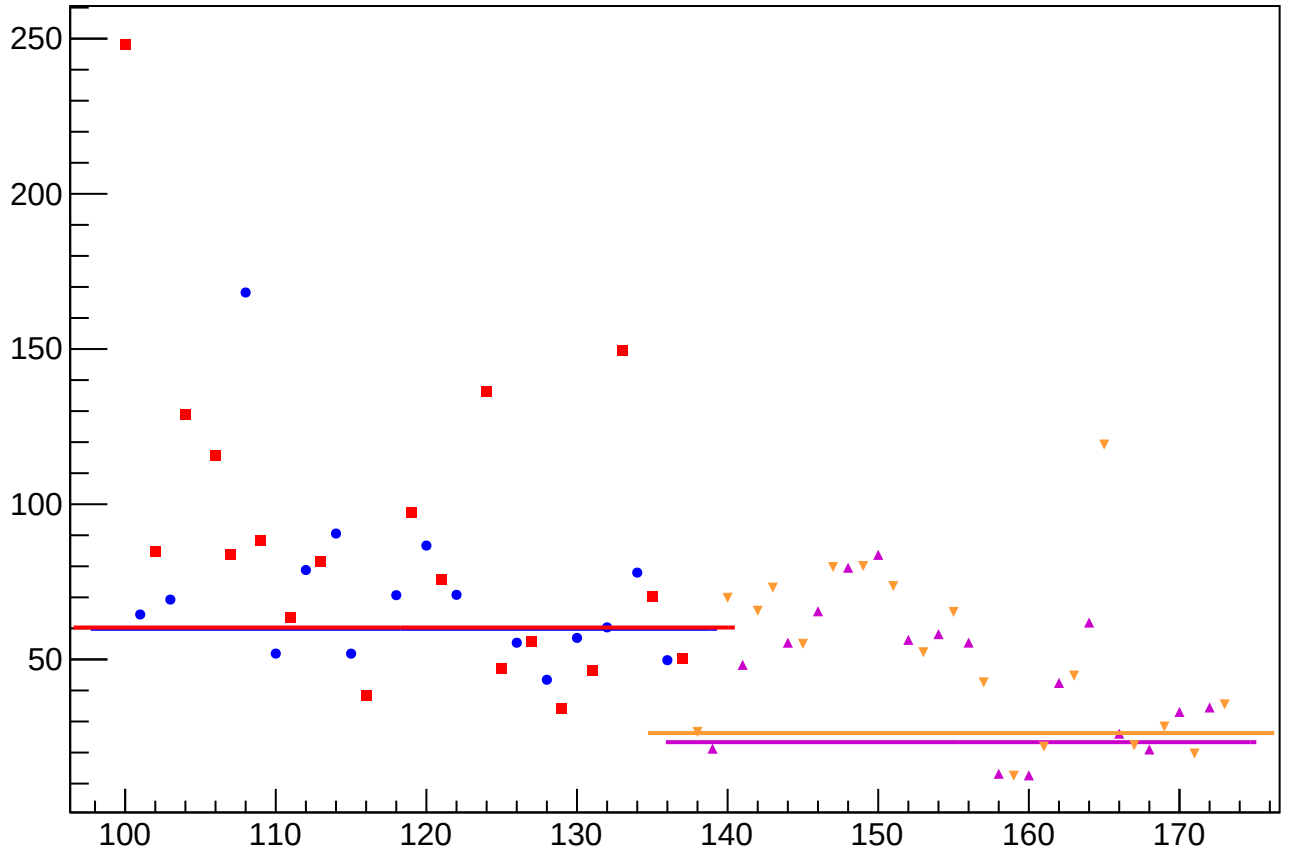
Left: 0.002+/-0.006 χ^2/NDF: 65.3/35

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.006+/-0.008 χ^2/NDF:31.8/32

Out: 0.005+/-0.008 χ^2/NDF:65.9/37

All: -0.001+/-0.006 χ^2/NDF: 98.7/70



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.279+/-0.006 χ^2/NDF:7789320.2/18

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 23.344+/-0.006 χ^2/NDF:7290675.3/16

Left: 24.727+/-0.004 χ^2/NDF: 15198481.3/35

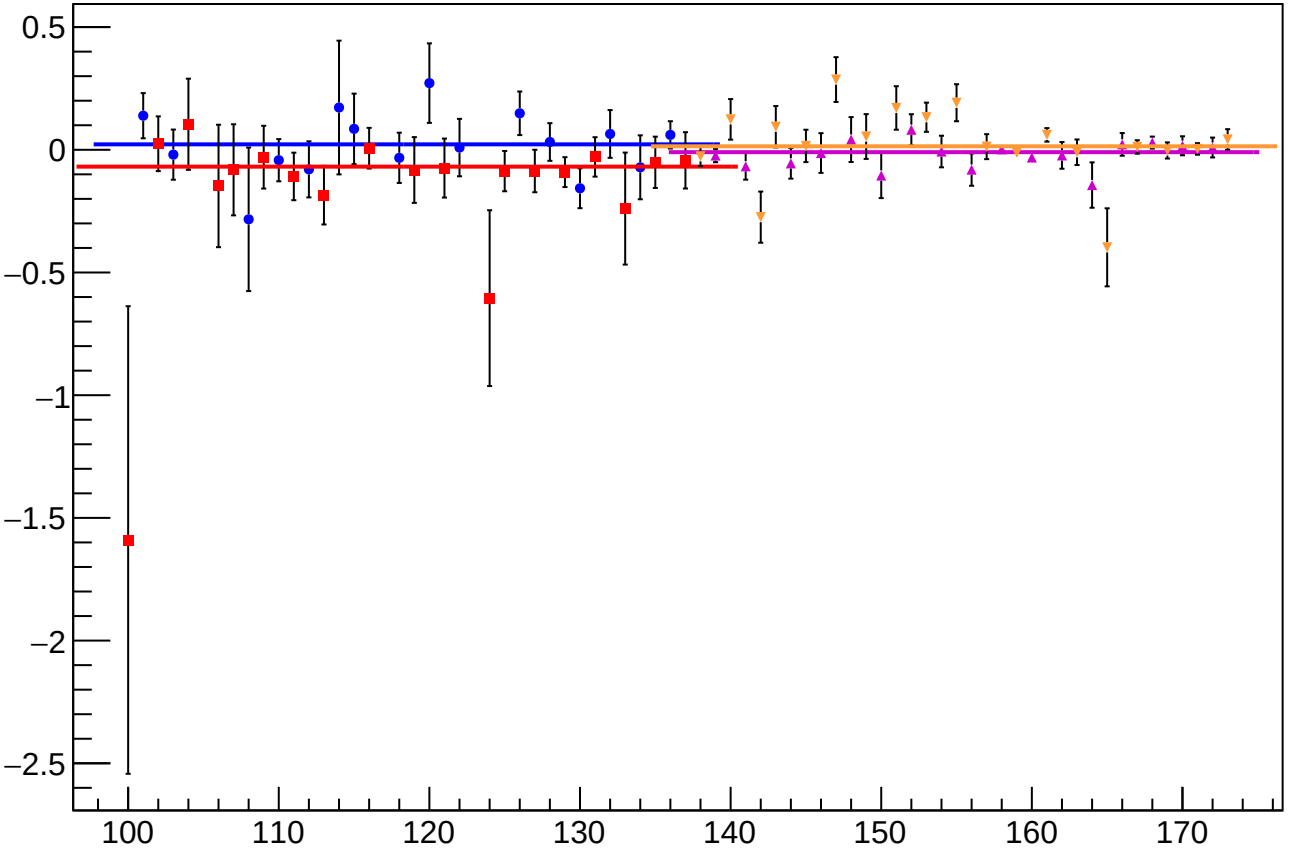
Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 27.037+/-0.006 χ^2/NDF:11928690.6/32

Out: 29.933+/-0.006 χ^2/NDF:12995895.8/37

All: 28.406+/-0.004 χ^2/NDF: 25053360.8/70

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.014+/-0.009 χ^2/NDF:46.6/18

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.008 χ^2/NDF:14.8/16

Left: 0.002+/-0.006 χ^2/NDF: 65.3/35

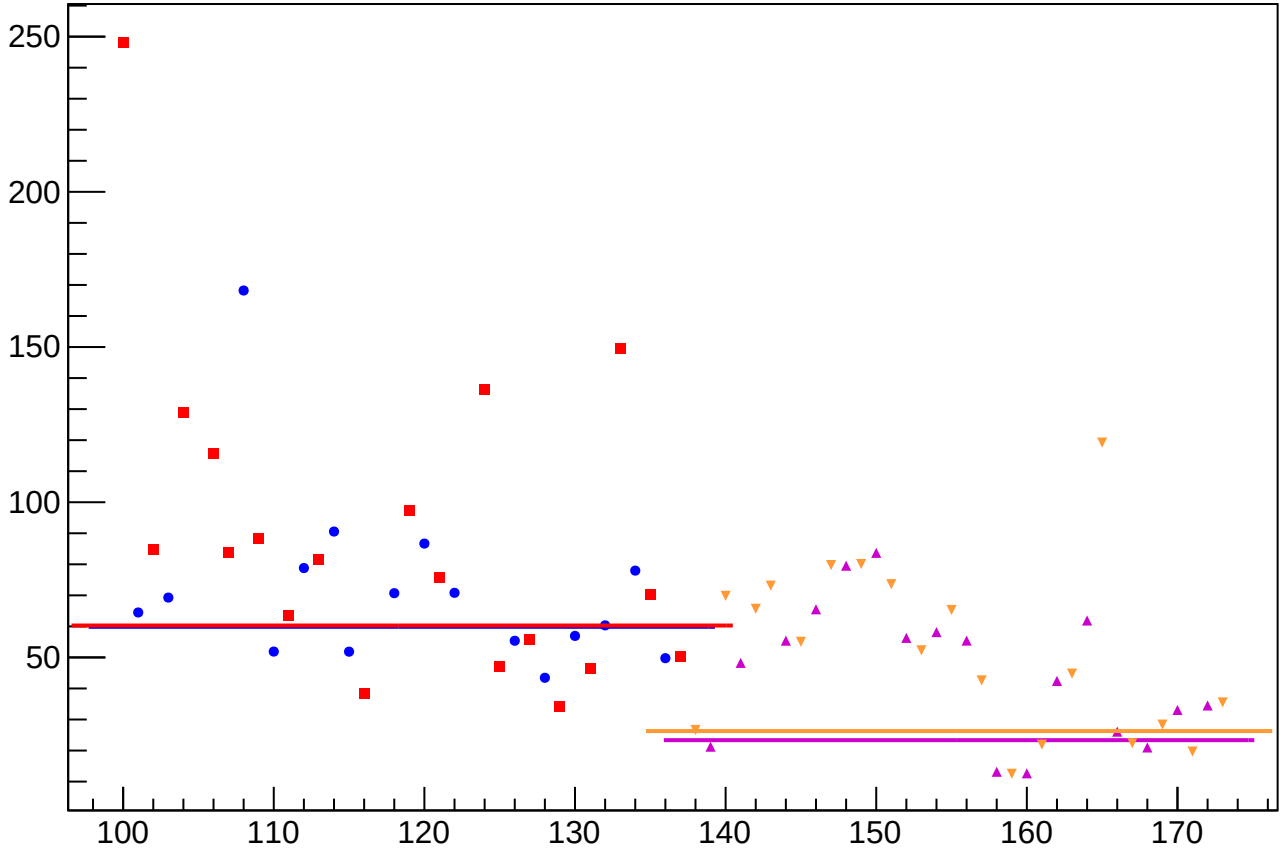
Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.006+/-0.008 χ^2/NDF:31.8/32

Out: 0.005+/-0.008 χ^2/NDF:65.9/37

All: -0.001+/-0.006 χ^2/NDF: 98.7/70

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: 26.279+/-0.006 χ^2/NDF:7789320.2/18

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 23.344+/-0.006 χ^2/NDF:7290675.3/16

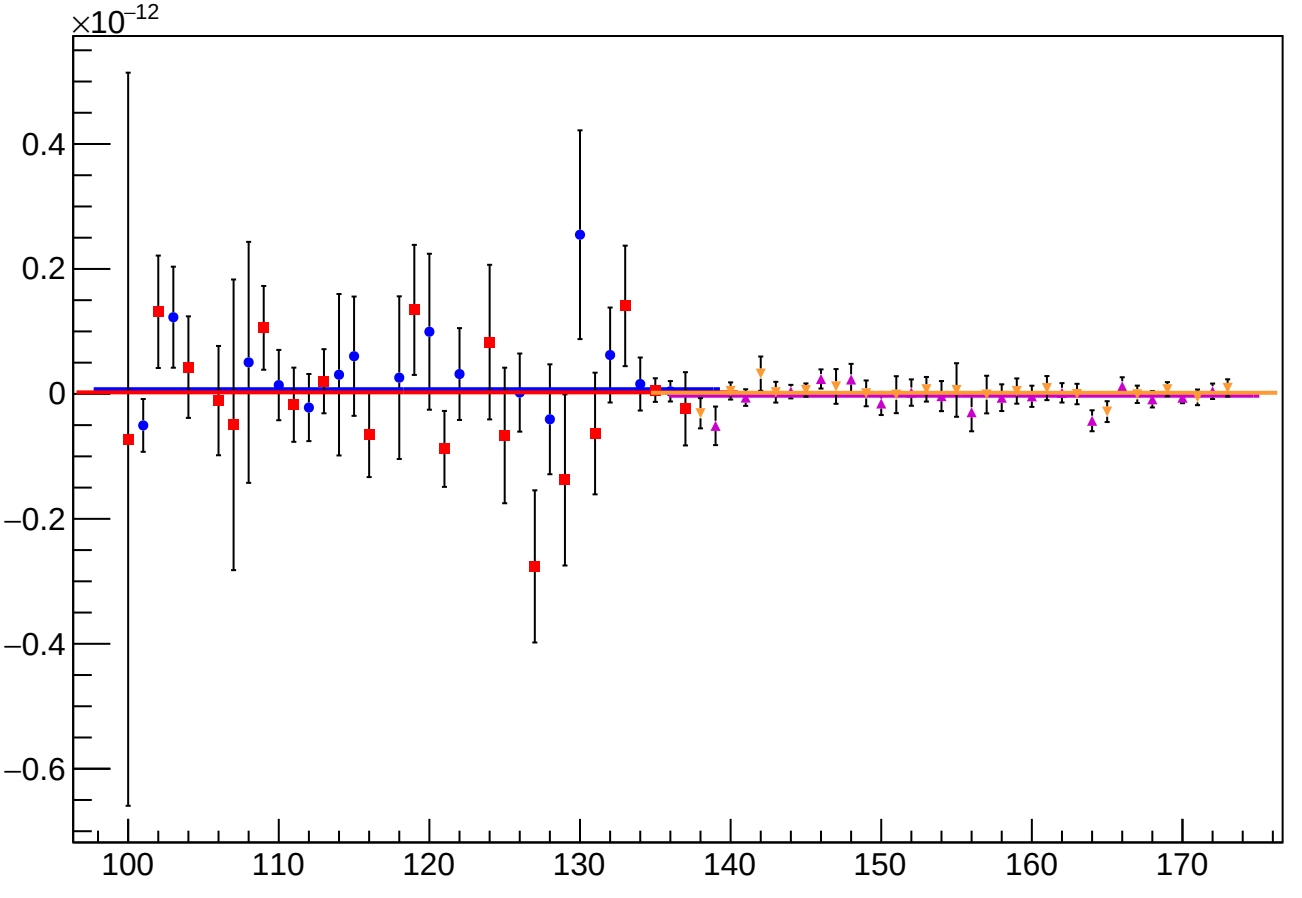
Left: 24.727+/-0.004 χ^2/NDF: 15198481.3/35

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 27.037+/-0.006 χ^2/NDF:11928690.6/32

Out: 29.933+/-0.006 χ^2/NDF:12995895.8/37

All: 28.406+/-0.004 χ^2/NDF: 25053360.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:15.8/16

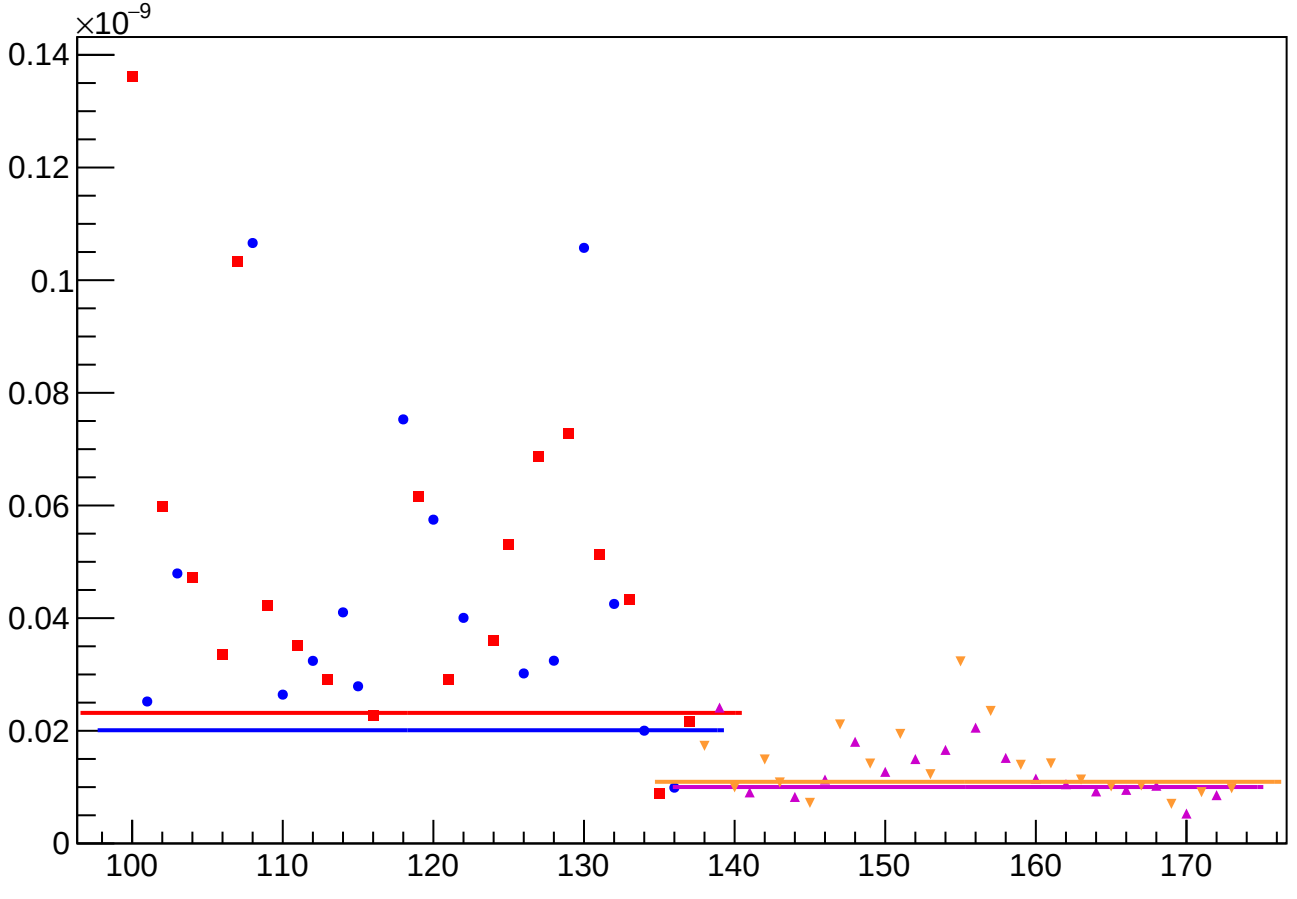
Left: -0.000+/-0.000 χ^2/NDF: 24.5/35

Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: -0.000+/-0.000 χ^2/NDF:24.8/32

Out: 0.000+/-0.000 χ^2/NDF:27.6/37

All: -0.000+/-0.000 χ^2/NDF: 53.0/70



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2184542.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1981010.2/16

Left: 0.000+/-0.000 χ^2/NDF: 4225516.5/35

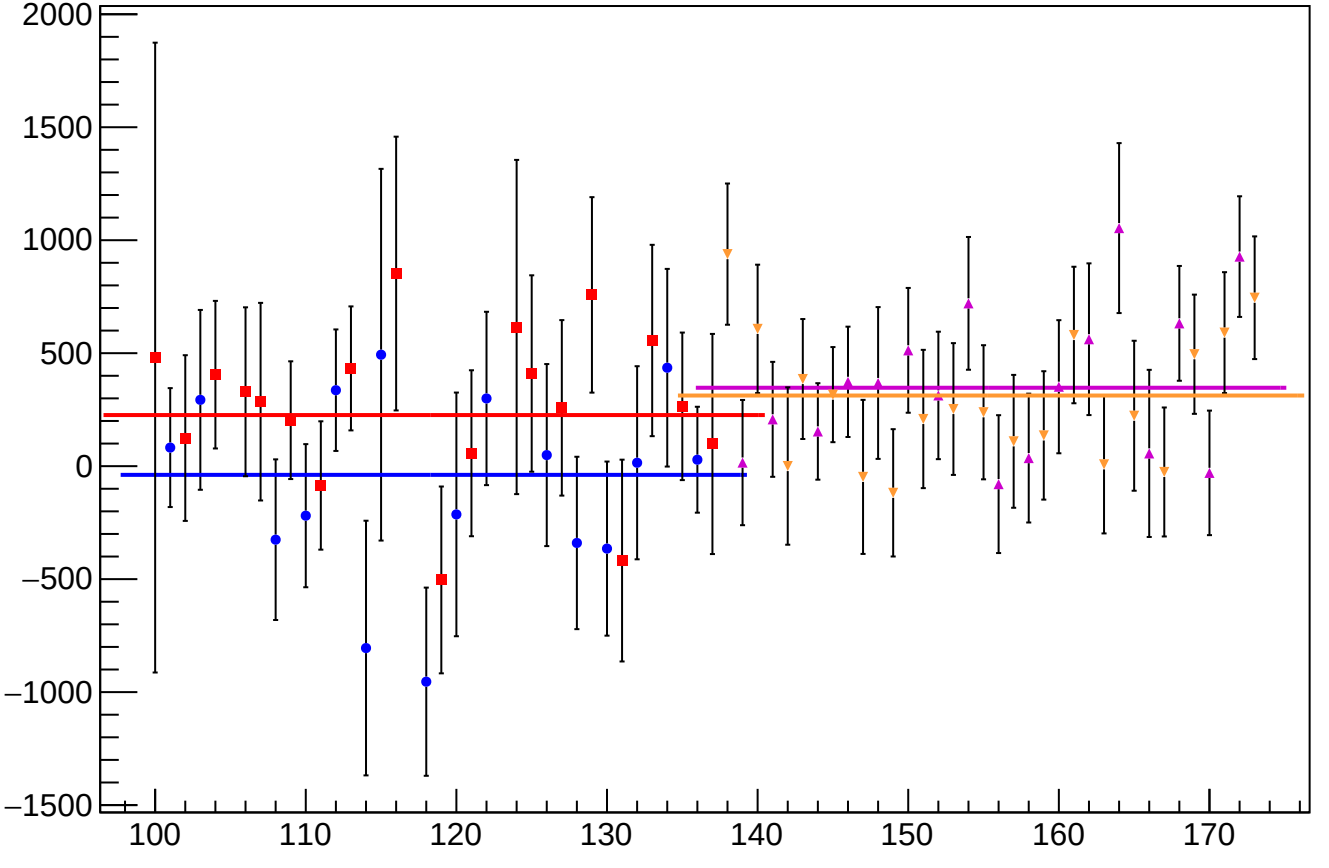
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:6362933.5/32

Out: 0.000+/-0.000 χ^2/NDF:7228067.7/37

All: 0.000+/-0.000 χ^2/NDF: 13665128.4/70

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 312.620+/-65.722 χ^2/NDF:17.9/18

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 347.020+/-68.385 χ^2/NDF:20.1/16

Left: 329.137+/-47.386 χ^2/NDF: 38.1/35

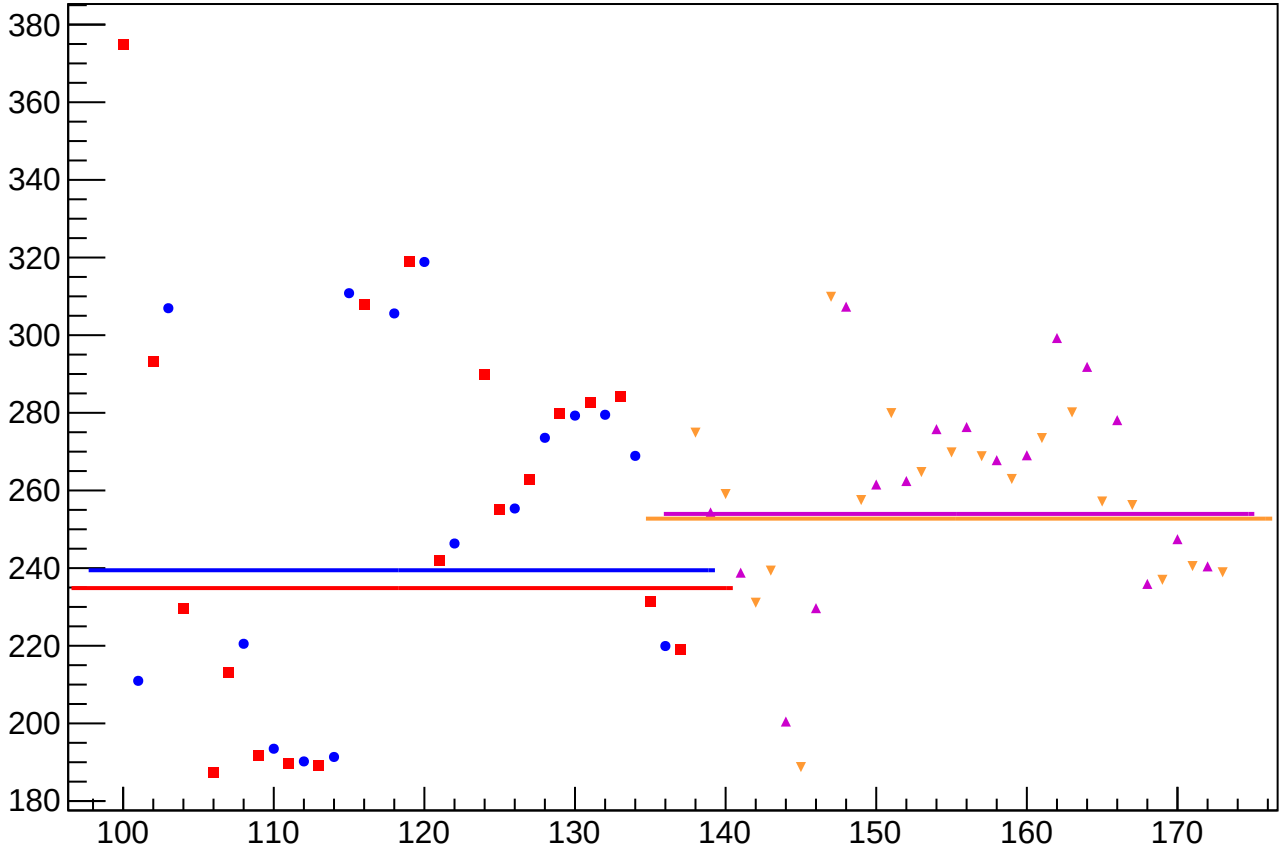
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 207.134+/-54.586 χ^2/NDF:46.1/32

Out: 281.623+/-52.638 χ^2/NDF:29.9/37

All: 245.732+/-37.891 χ^2/NDF: 77.0/70

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 252.743+/-0.046 χ^2/NDF:342461.8/18

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 253.962+/-0.048 χ^2/NDF:319483.5/16

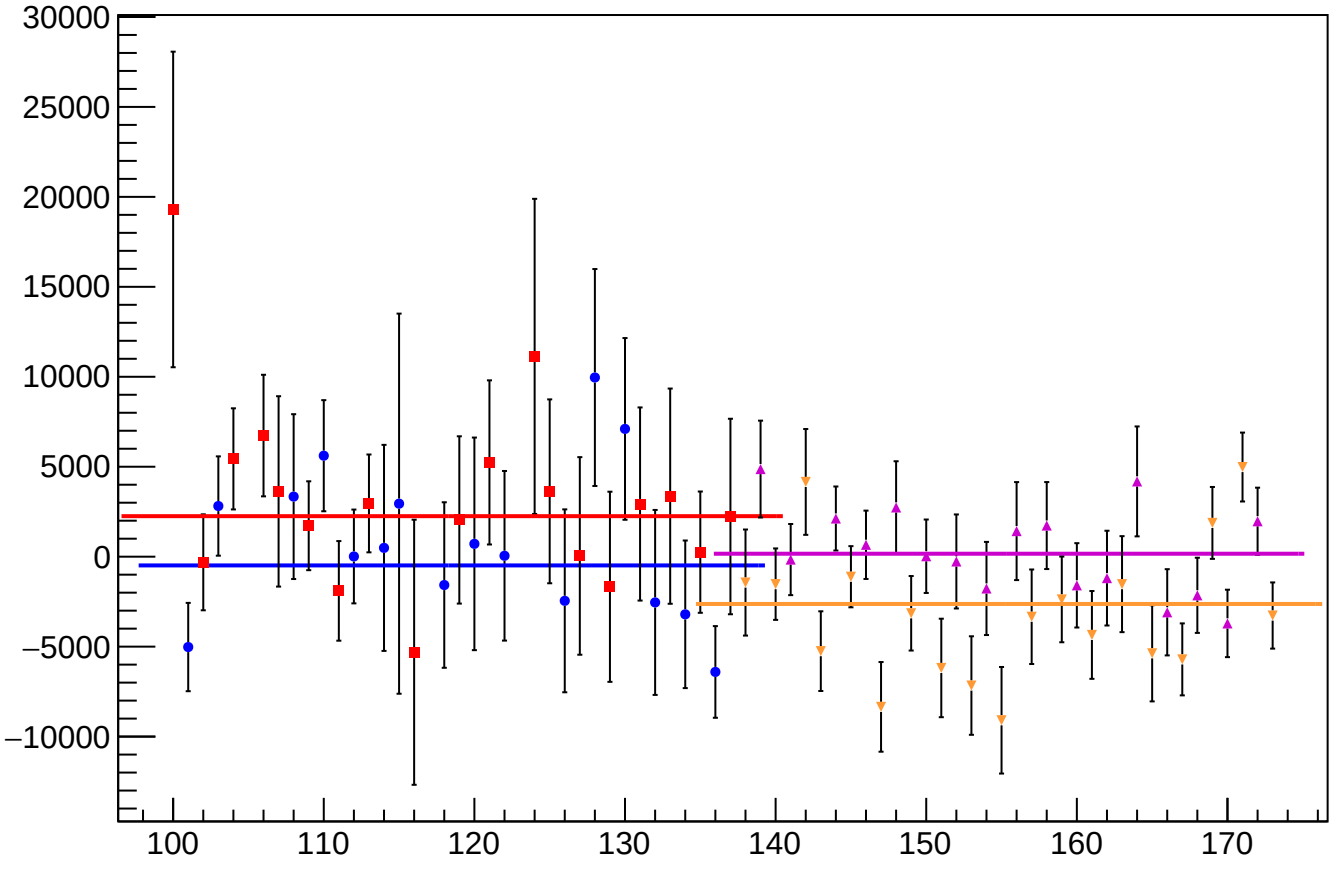
Left: 253.328+/-0.034 χ^2/NDF: 662275.4/35

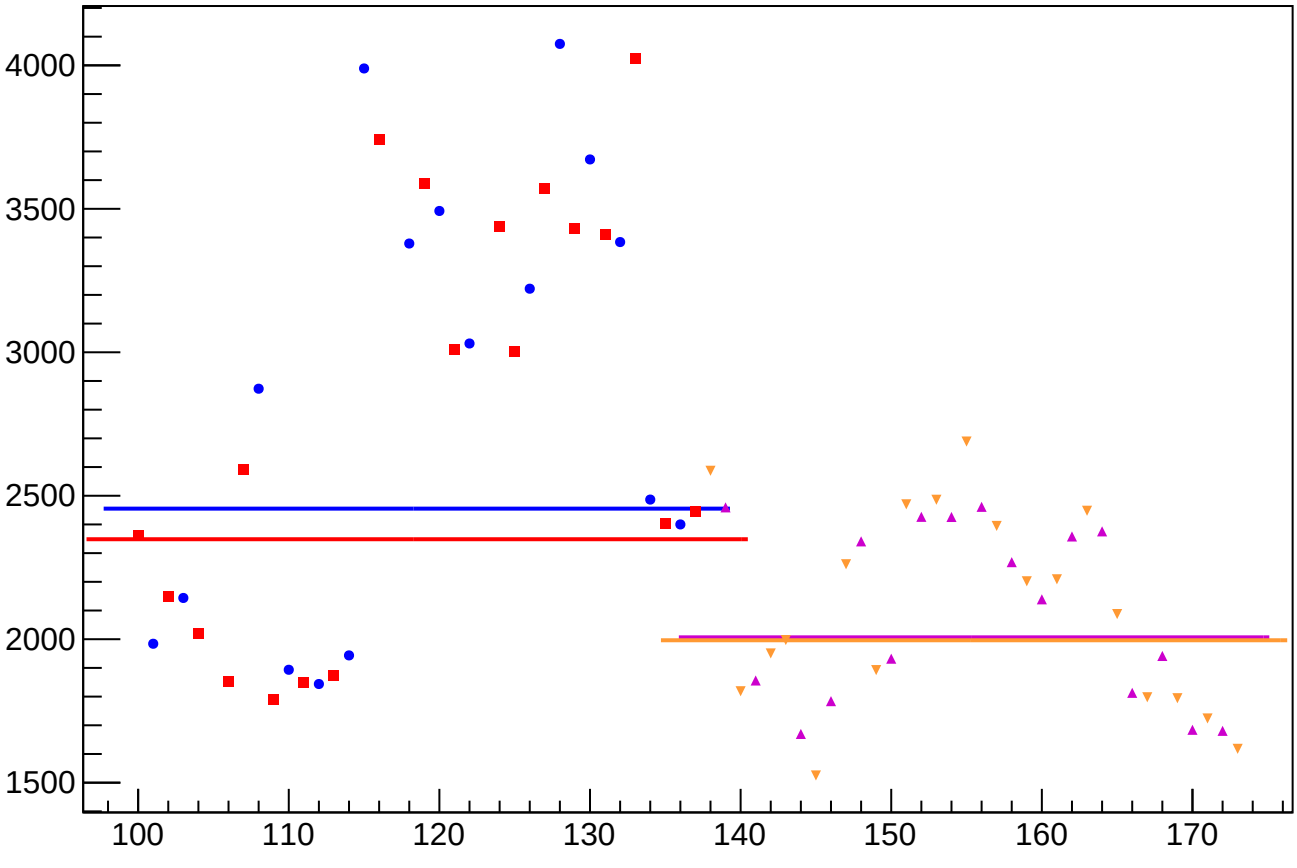
Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 248.696+/-0.039 χ^2/NDF:753123.5/32

Out: 246.330+/-0.037 χ^2/NDF:877303.2/37

All: 247.470+/-0.027 χ^2/NDF: 1632374.1/70


asym_sam4_reg_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -485.932+/-947.459 χ²/NDF: 21.1/15
Left Out: -2628.452+/-523.607 χ²/NDF:47.7/18
Right Out: 2251.898+/-894.171 χ²/NDF: 13.9/18
Left In: 164.341+/-543.216 χ²/NDF:17.4/16
Left: -1283.373+/-376.988 χ²/NDF: 78.8/35
Right: 962.136+/-650.297 χ²/NDF: 39.4/34
In: 3.467+/-471.255 χ²/NDF:38.9/32
Out: -1382.285+/-451.839 χ²/NDF:83.8/37
All: -718.545+/-326.146 χ²/NDF: 127.2/70



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 1996.338+/-0.370 χ^2/NDF:812252.7/18

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 2006.506+/-0.384 χ^2/NDF:593673.6/16

Left: 2001.235+/-0.267 χ^2/NDF: 1406289.5/35

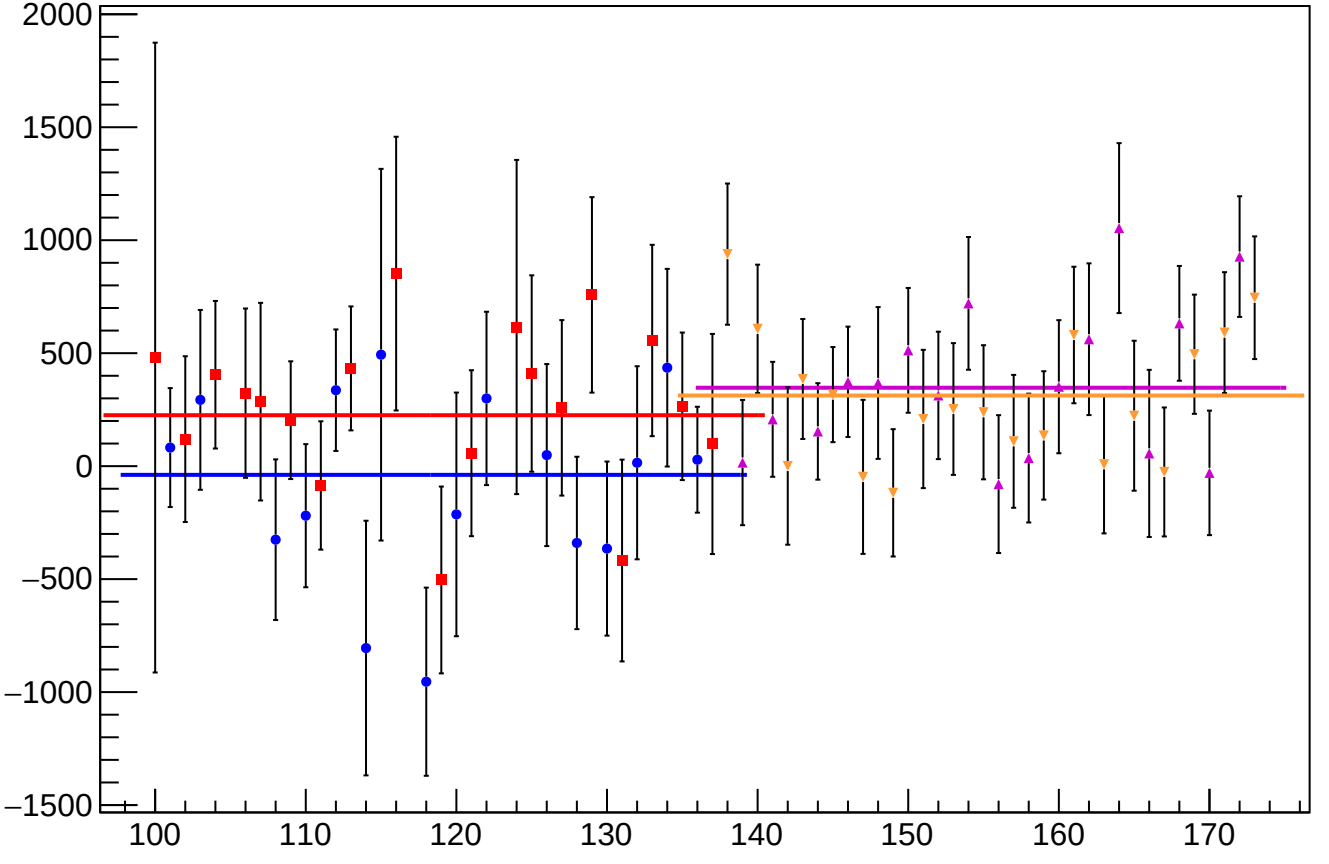
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2117.487+/-0.333 χ^2/NDF:1825497.2/32

Out: 2086.247+/-0.319 χ^2/NDF:2095612.5/37

All: 2101.210+/-0.231 χ^2/NDF: 3925688.9/70

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 312.626+/-65.722 χ^2/NDF:17.9/18

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 347.020+/-68.385 χ^2/NDF:20.1/16

Left: 329.141+/-47.386 χ^2/NDF: 38.1/35

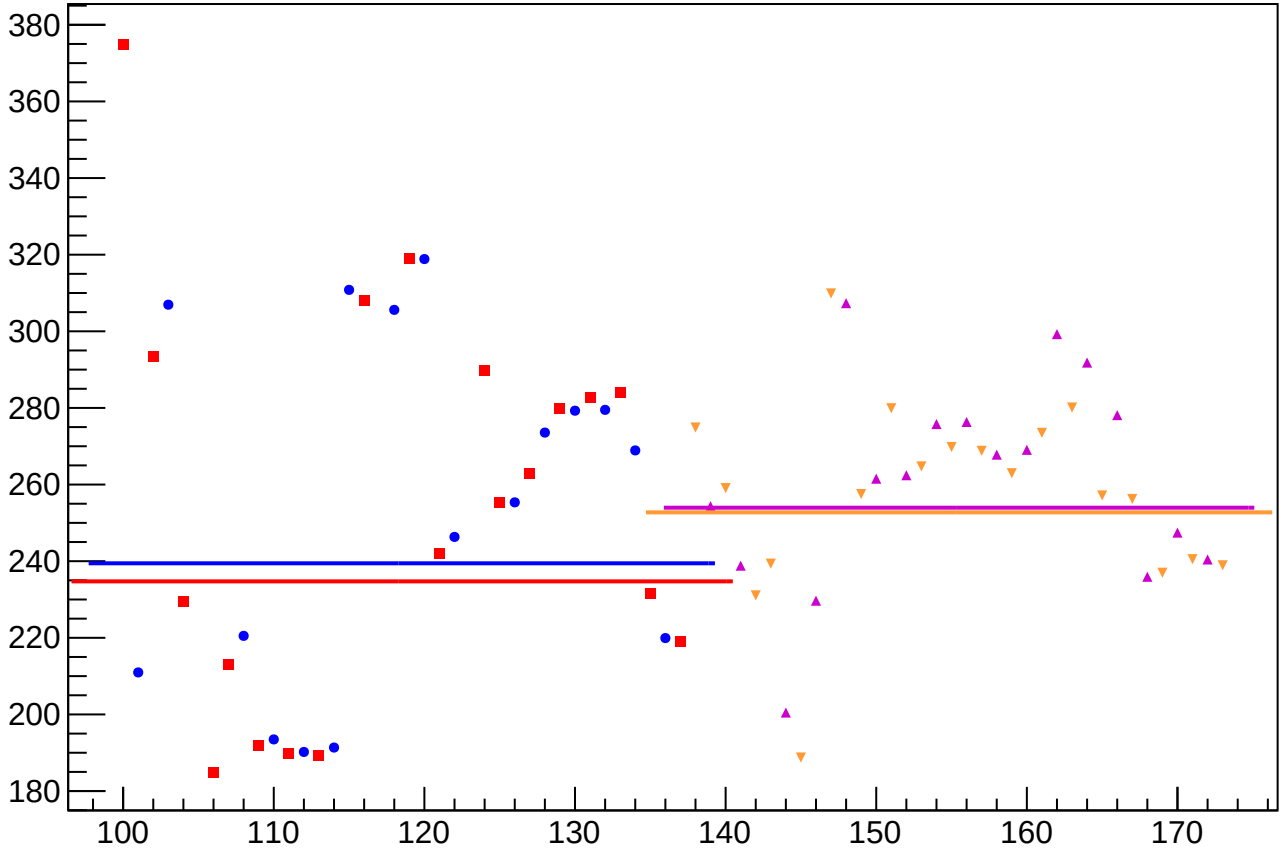
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 207.127+/-54.586 χ^2/NDF:46.1/32

Out: 281.400+/-52.641 χ^2/NDF:29.9/37

All: 245.610+/-37.892 χ^2/NDF: 77.0/70

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 252.743+/-0.046 χ^2/NDF:342461.8/18

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 253.962+/-0.048 χ^2/NDF:319483.5/16

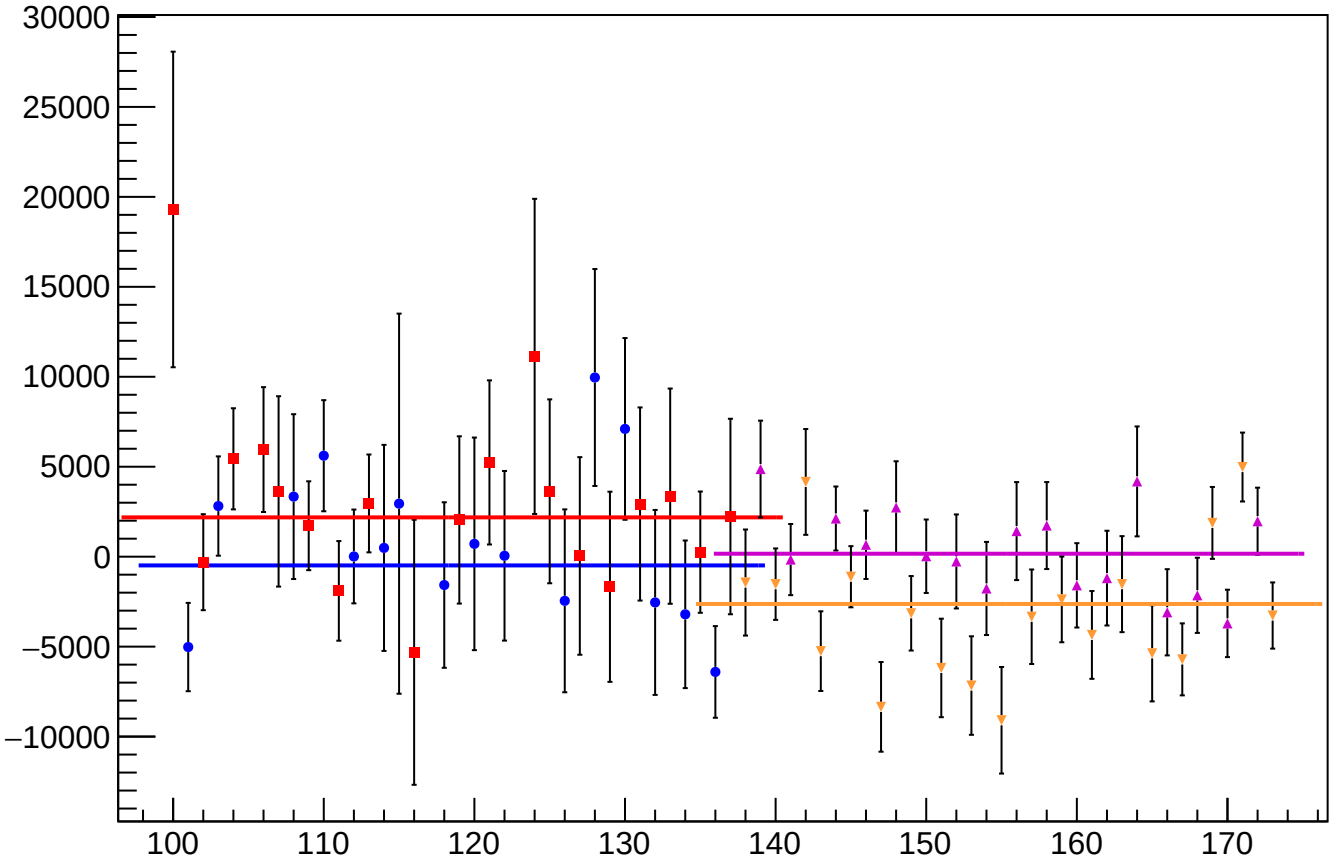
Left: 253.328+/-0.034 χ^2/NDF: 662275.4/35

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 248.696+/-0.039 χ^2/NDF:753125.7/32

Out: 246.287+/-0.037 χ^2/NDF:881540.9/37

All: 247.448+/-0.027 χ^2/NDF: 1636684.3/70



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2628.447+/-523.607 χ^2/NDF:47.7/18

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 164.358+/-543.216 χ^2/NDF:17.4/16

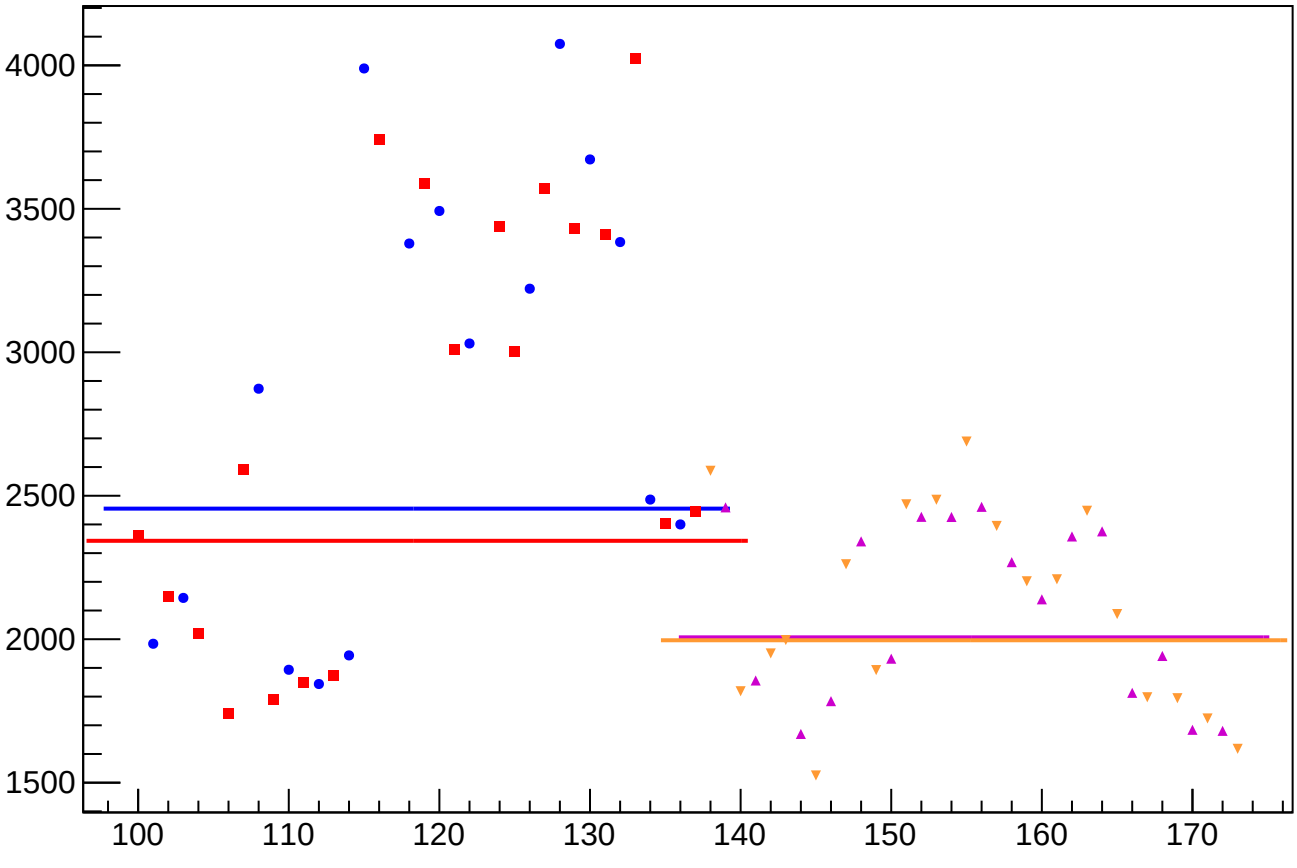
Left: -1283.363+/-376.988 χ^2/NDF: 78.8/35

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 3.439+/-471.256 χ^2/NDF:38.9/32

Out: -1402.862+/-452.056 χ^2/NDF:82.5/37

All: -728.943+/-326.229 χ^2/NDF: 126.0/70



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1996.338+/-0.370 χ^2/NDF:812253.1/18

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2006.506+/-0.384 χ^2/NDF:593673.0/16

Left: 2001.236+/-0.267 χ^2/NDF: 1406289.3/35

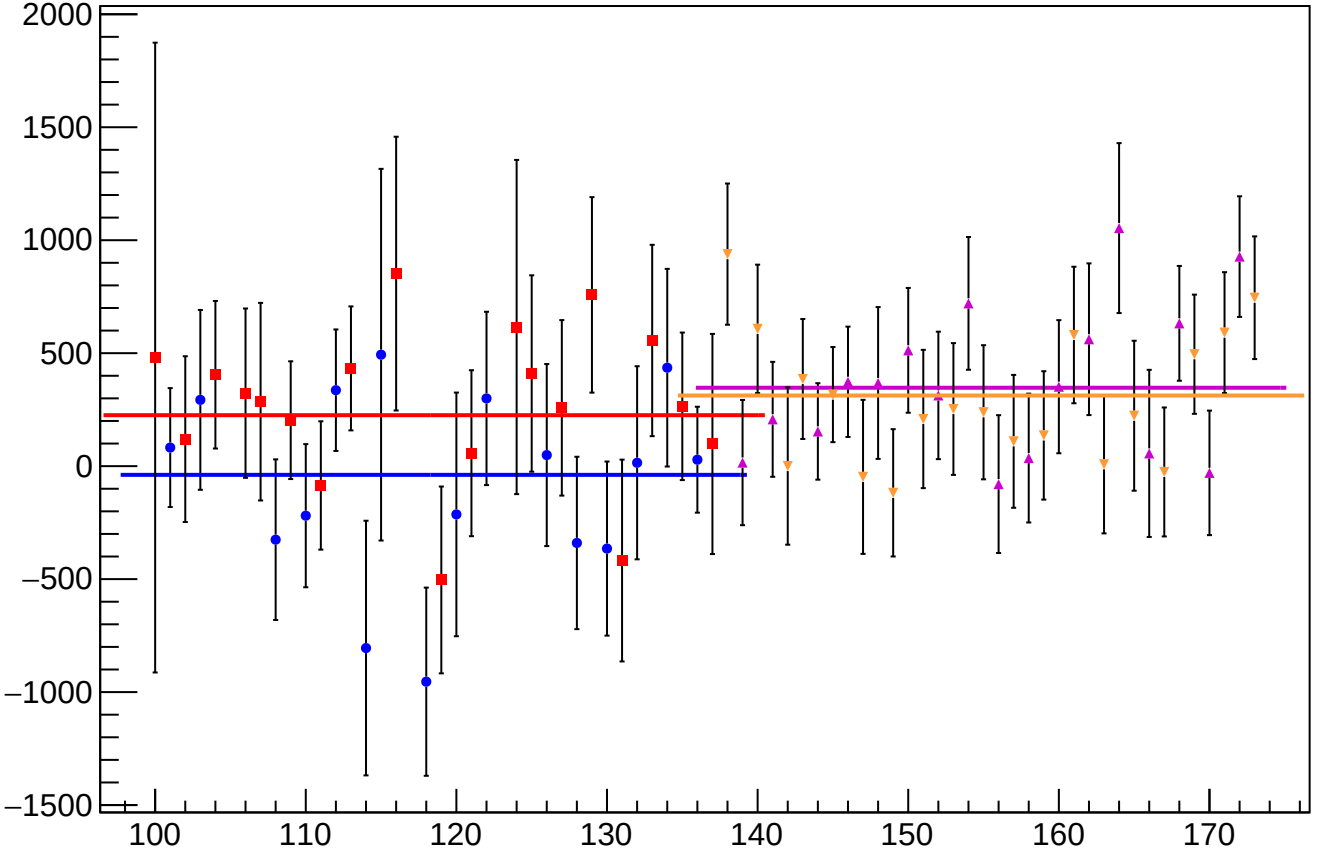
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2117.492+/-0.333 χ^2/NDF:1825497.0/32

Out: 2084.596+/-0.320 χ^2/NDF:2105803.3/37

All: 2100.360+/-0.231 χ^2/NDF: 3936375.4/70

eigen_cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 312.626+/-65.722 χ^2/NDF:17.9/18

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 347.020+/-68.385 χ^2/NDF:20.1/16

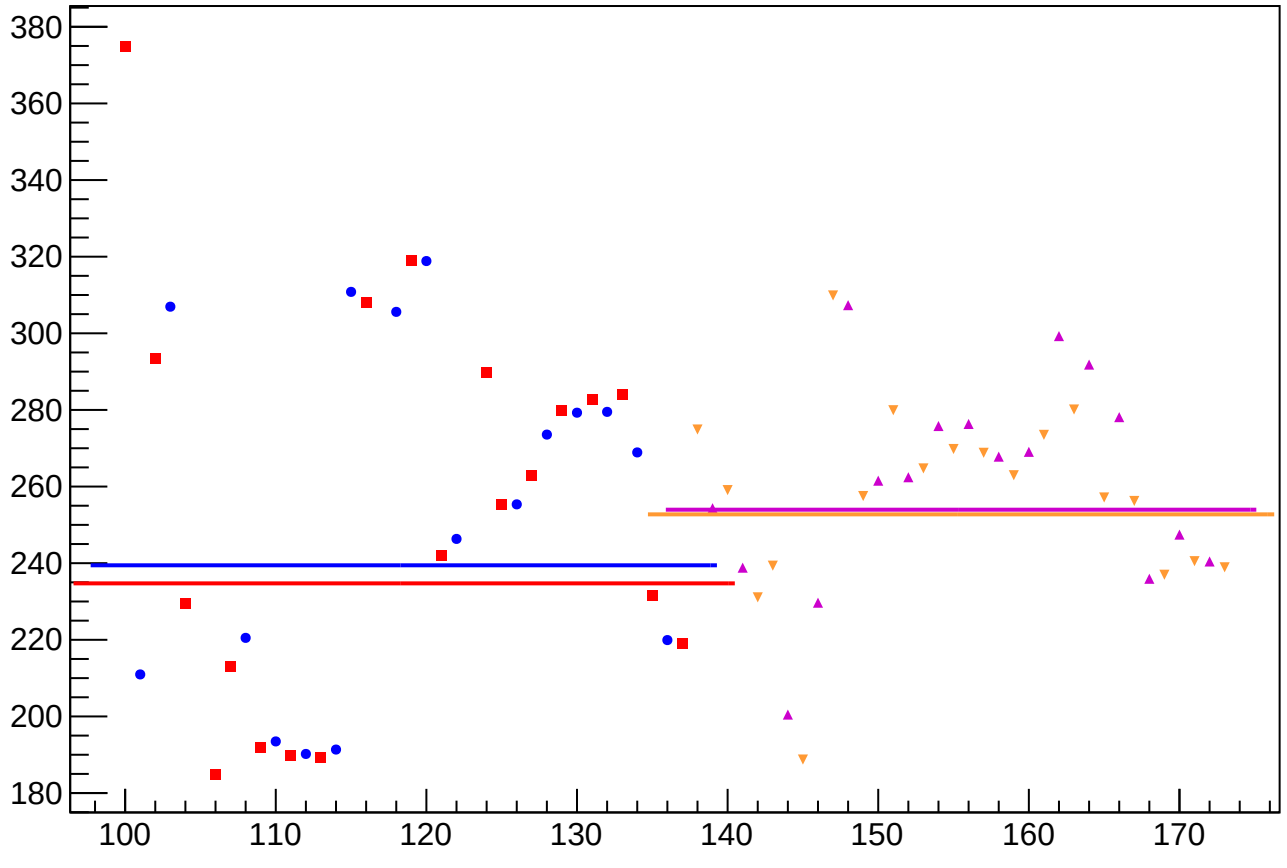
Left: 329.141+/-47.386 χ^2/NDF: 38.1/35

Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 207.127+/-54.586 χ^2/NDF:46.1/32

Out: 281.400+/-52.641 χ^2/NDF:29.9/37

All: 245.610+/-37.892 χ^2/NDF: 77.0/70



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 252.743+/-0.046 χ^2/NDF:342461.8/18

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 253.962+/-0.048 χ^2/NDF:319483.5/16

Left: 253.328+/-0.034 χ^2/NDF: 662275.4/35

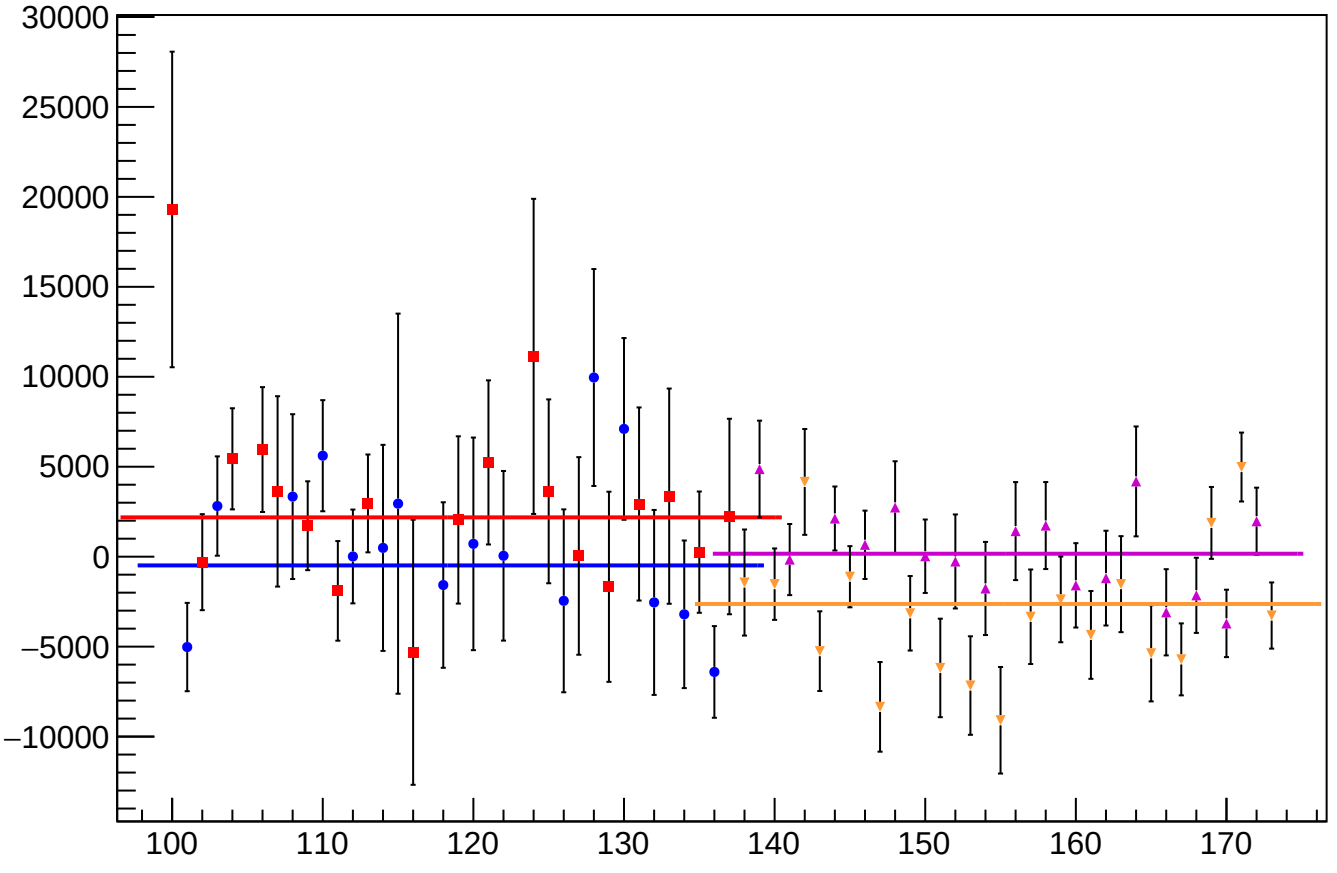
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 248.696+/-0.039 χ^2/NDF:753125.7/32

Out: 246.287+/-0.037 χ^2/NDF:881540.9/37

All: 247.448+/-0.027 χ^2/NDF: 1636684.3/70

asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2628.447+/-523.607 χ^2/NDF:47.7/18

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 164.358+/-543.216 χ^2/NDF:17.4/16

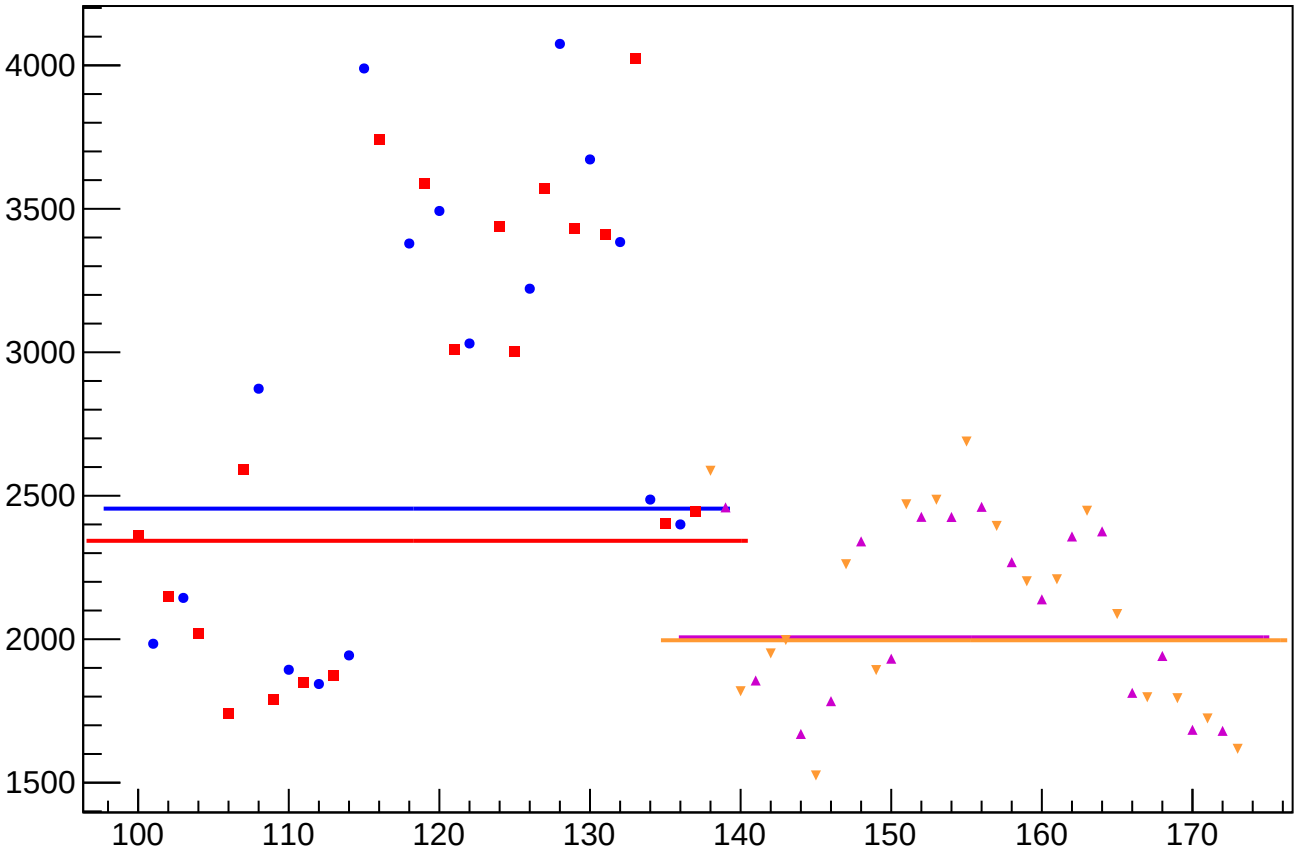
Left: -1283.363+/-376.988 χ^2/NDF: 78.8/35

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 3.439+/-471.256 χ^2/NDF:38.9/32

Out: -1402.862+/-452.056 χ^2/NDF:82.5/37

All: -728.943+/-326.229 χ^2/NDF: 126.0/70



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1996.338+/-0.370 χ^2/NDF:812253.1/18

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2006.506+/-0.384 χ^2/NDF:593673.0/16

Left: 2001.236+/-0.267 χ^2/NDF: 1406289.3/35

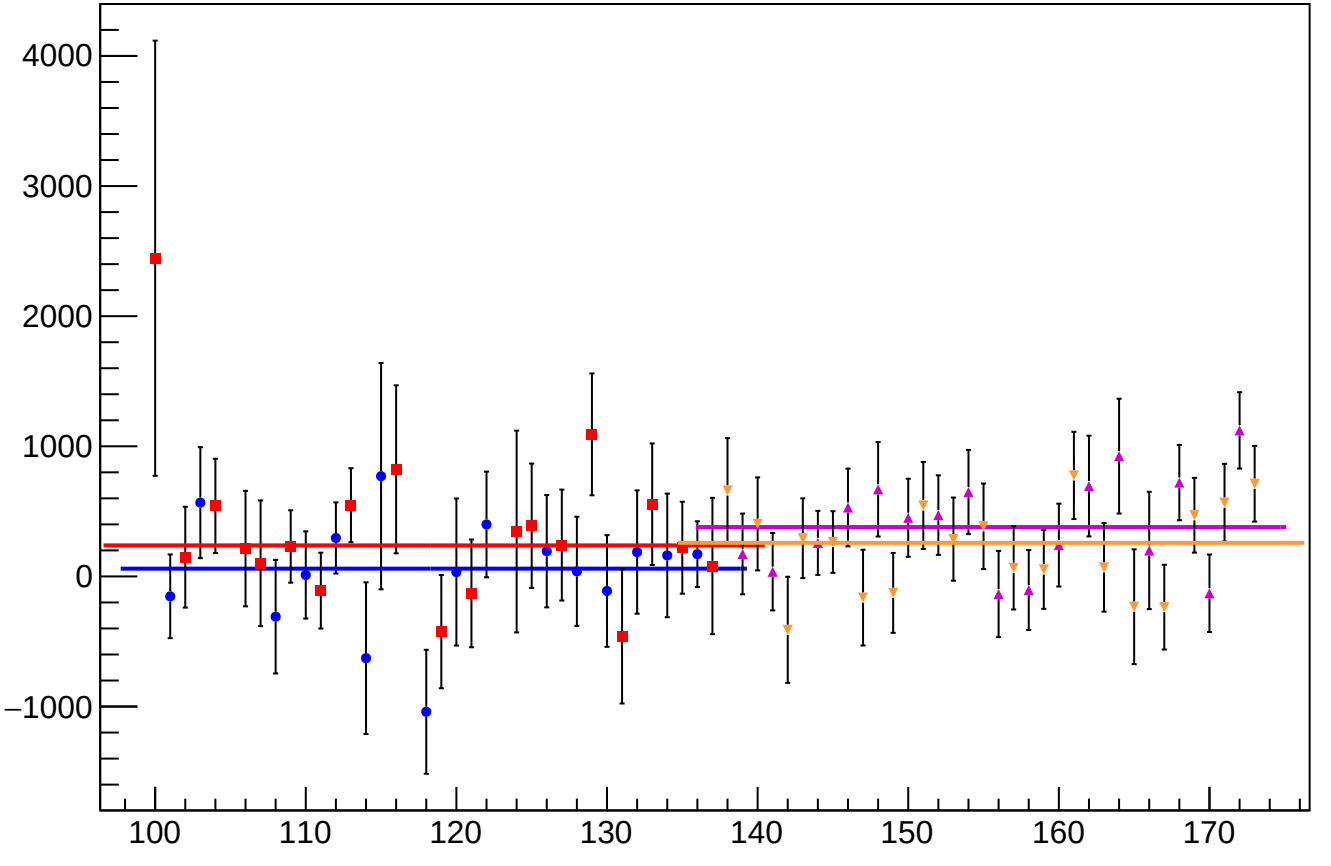
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2117.492+/-0.333 χ^2/NDF:1825497.0/32

Out: 2084.596+/-0.320 χ^2/NDF:2105803.3/37

All: 2100.360+/-0.231 χ^2/NDF: 3936375.4/70

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 258.302+/-74.050 χ^2/NDF:18.7/18

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 379.336+/-76.805 χ^2/NDF:21.9/16

Left: 316.610+/-53.309 χ^2/NDF: 41.9/35

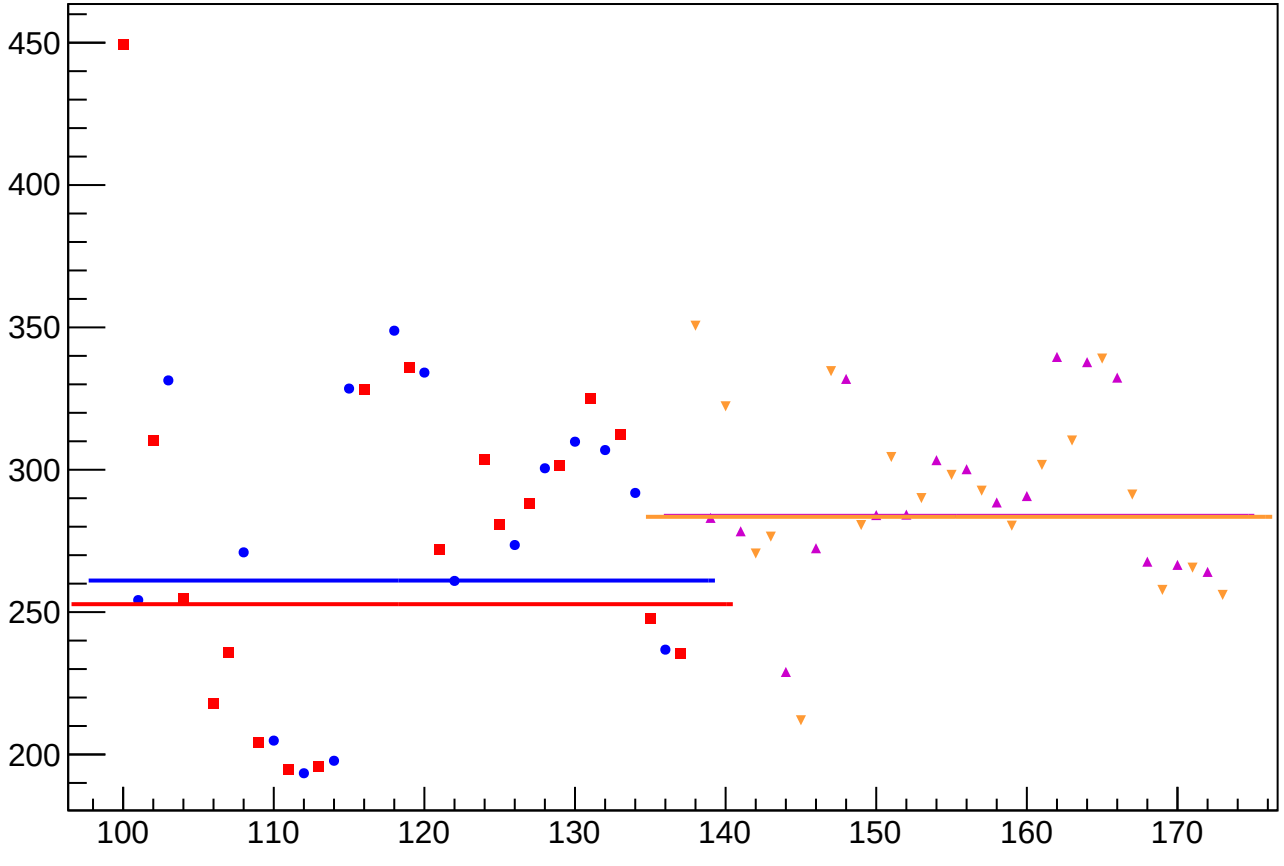
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 259.597+/-60.737 χ^2/NDF:40.4/32

Out: 250.830+/-58.418 χ^2/NDF:33.7/37

All: 255.043+/-42.104 χ^2/NDF: 74.1/70

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 283.474+/-0.052 χ^2/NDF:409626.4/18

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 283.817+/-0.054 χ^2/NDF:268196.1/16

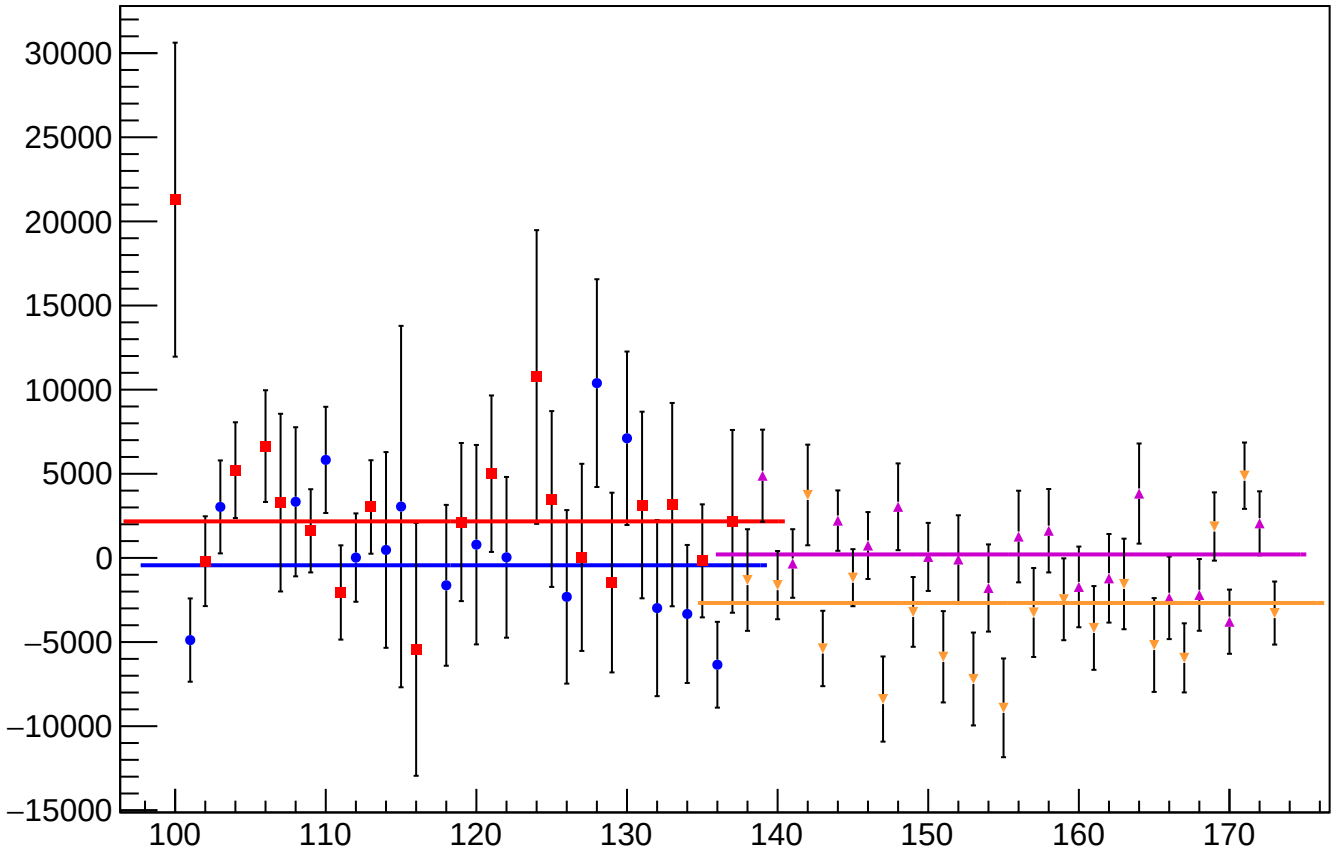
Left: 283.639+/-0.038 χ^2/NDF: 677843.2/35

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 275.302+/-0.043 χ^2/NDF:796476.0/32

Out: 271.885+/-0.041 χ^2/NDF:1076624.0/37

All: 273.527+/-0.030 χ^2/NDF: 1876388.1/70



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2677.124+/-531.006 χ^2/NDF:44.8/18

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 207.371+/-551.065 χ^2/NDF:16.7/16

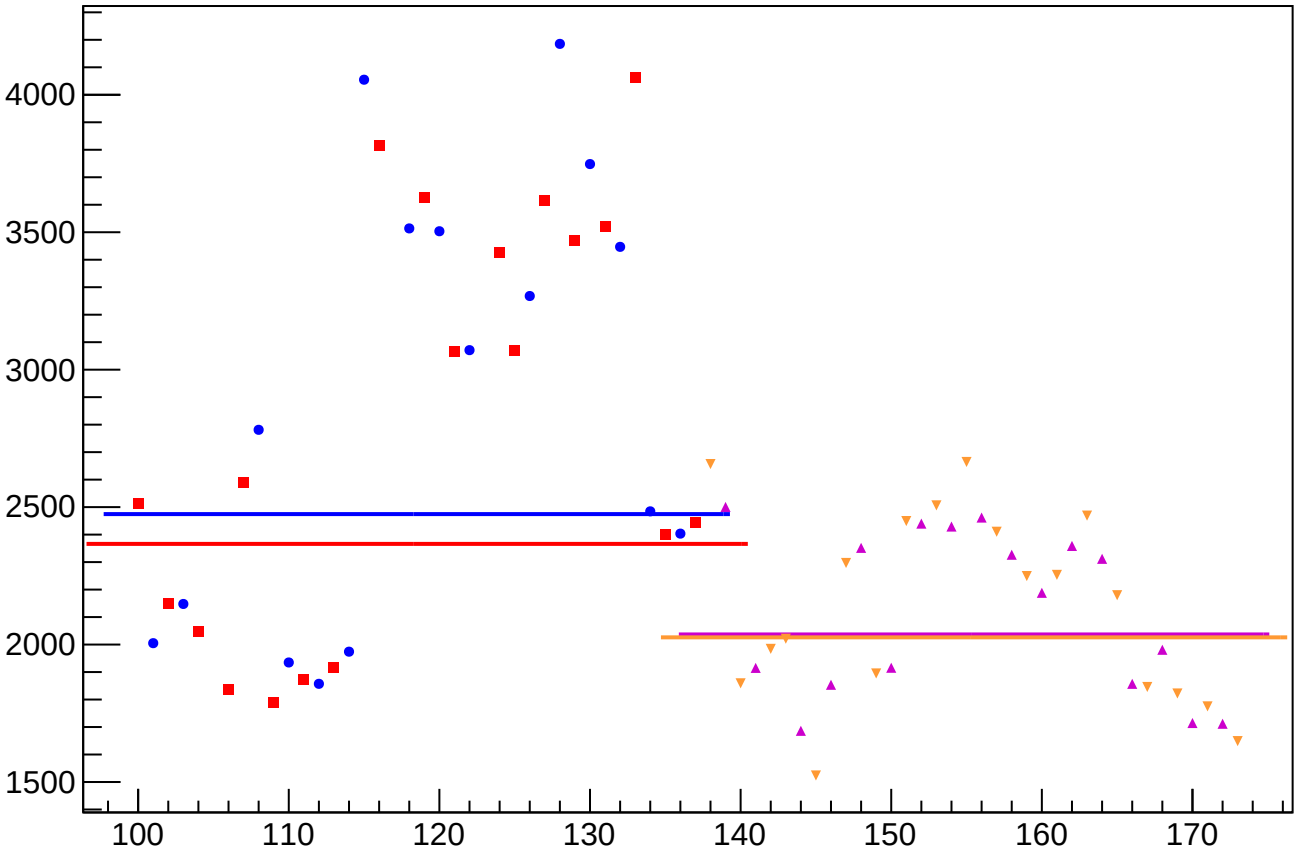
Left: -1288.329+/-382.372 χ^2/NDF: 75.8/35

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 46.513+/-477.319 χ^2/NDF:38.3/32

Out: -1427.234+/-457.482 χ^2/NDF:80.3/37

All: -721.620+/-330.279 χ^2/NDF: 123.6/70



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2026.211+/-0.375 χ^2/NDF:796745.4/18

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2036.800+/-0.390 χ^2/NDF:546633.5/16

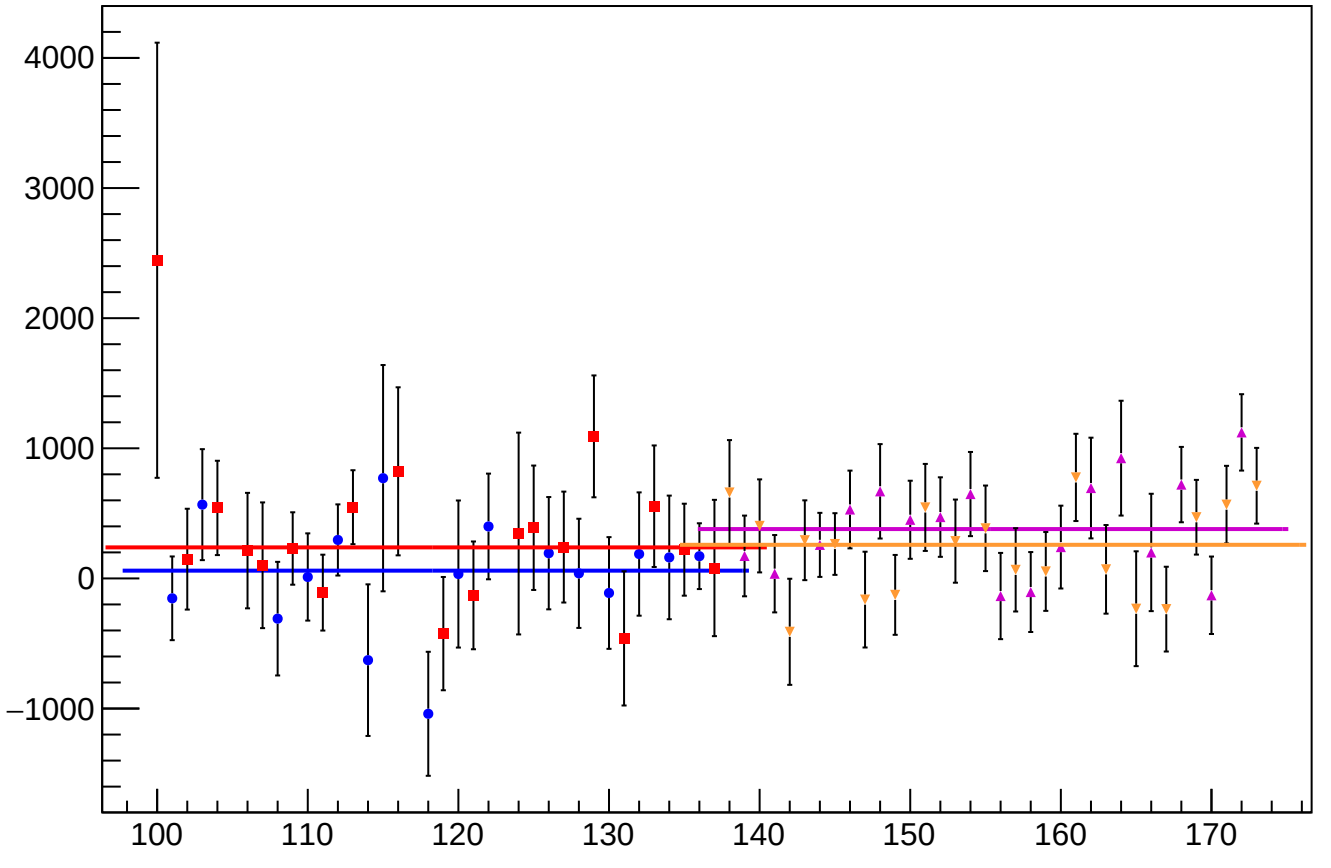
Left: 2031.309+/-0.270 χ^2/NDF: 1343761.8/35

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2146.142+/-0.338 χ^2/NDF:1778173.3/32

Out: 2113.849+/-0.323 χ^2/NDF:2085277.5/37

All: 2129.310+/-0.234 χ^2/NDF: 3868222.1/70



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 258.307+/-74.050 χ^2/NDF:18.7/18

Right Out: 238.515+/-95.062 χ^2/NDF: 14.9/18

Left In: 379.338+/-76.805 χ^2/NDF:21.9/16

Left: 316.613+/-53.309 χ^2/NDF: 41.9/35

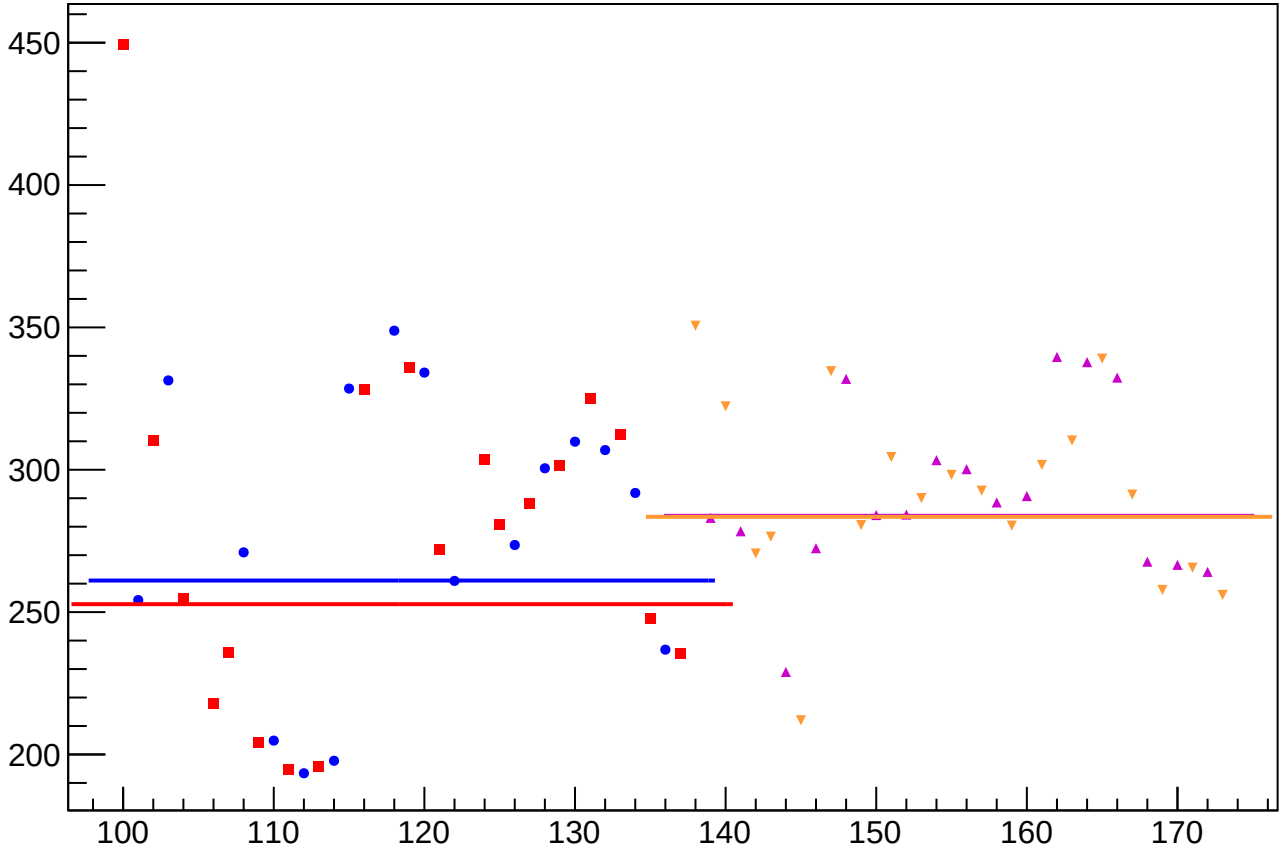
Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 259.600+/-60.737 χ^2/NDF:40.4/32

Out: 250.833+/-58.418 χ^2/NDF:33.7/37

All: 255.046+/-42.104 χ^2/NDF: 74.1/70

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 283.474+/-0.052 χ^2/NDF:409624.0/18

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 283.818+/-0.054 χ^2/NDF:268195.2/16

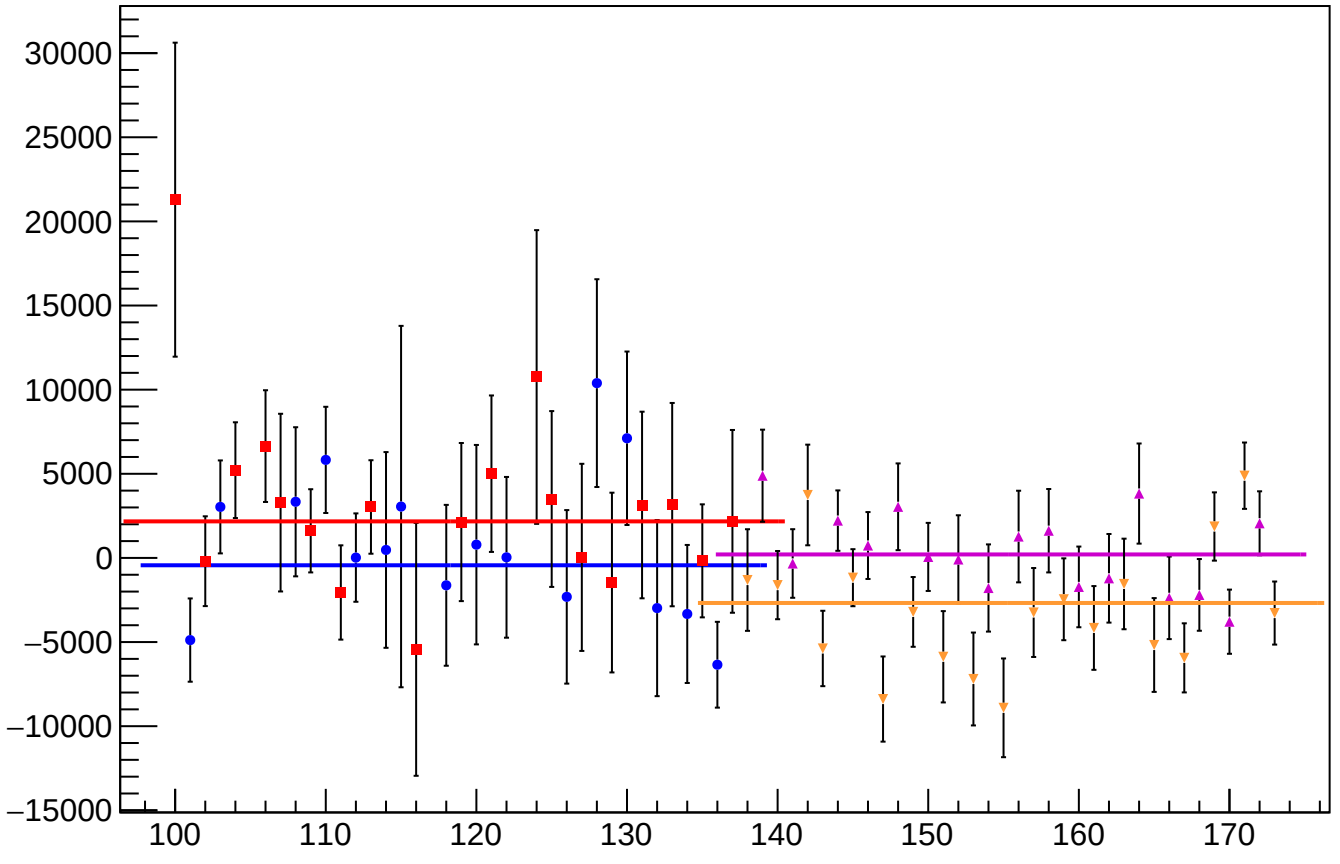
Left: 283.640+/-0.038 χ^2/NDF: 677840.0/35

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 275.303+/-0.043 χ^2/NDF:796479.7/32

Out: 271.886+/-0.041 χ^2/NDF:1076628.3/37

All: 273.528+/-0.030 χ^2/NDF: 1876396.1/70



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2677.119+/-531.005 χ^2/NDF:44.8/18

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 207.368+/-551.064 χ^2/NDF:16.7/16

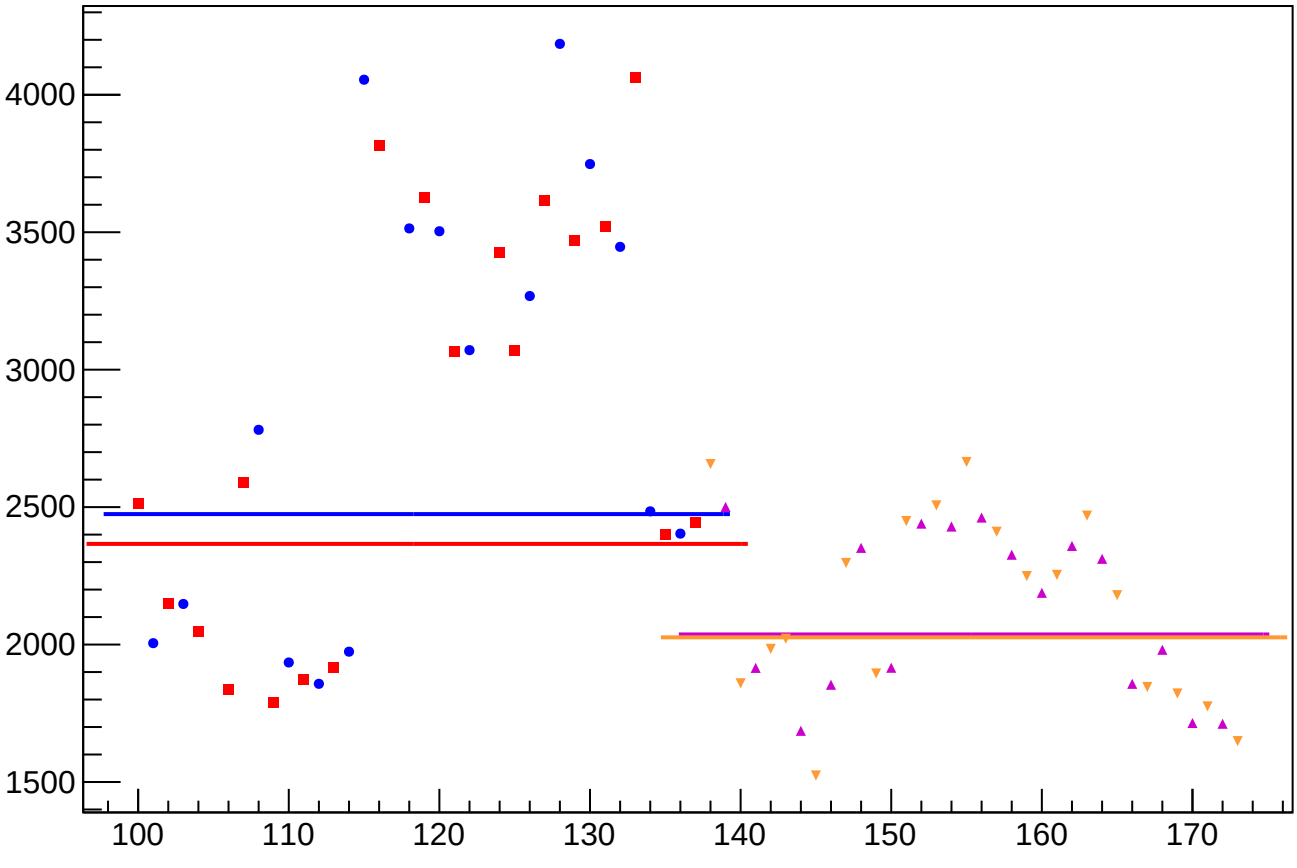
Left: -1288.328+/-382.372 χ^2/NDF: 75.8/35

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 46.511+/-477.318 χ^2/NDF:38.3/32

Out: -1427.232+/-457.482 χ^2/NDF:80.3/37

All: -721.620+/-330.278 χ^2/NDF: 123.6/70



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2026.208+/-0.375 χ^2/NDF:796749.2/18

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 2036.798+/-0.390 χ^2/NDF:546633.5/16

Left: 2031.307+/-0.270 χ^2/NDF: 1343765.7/35

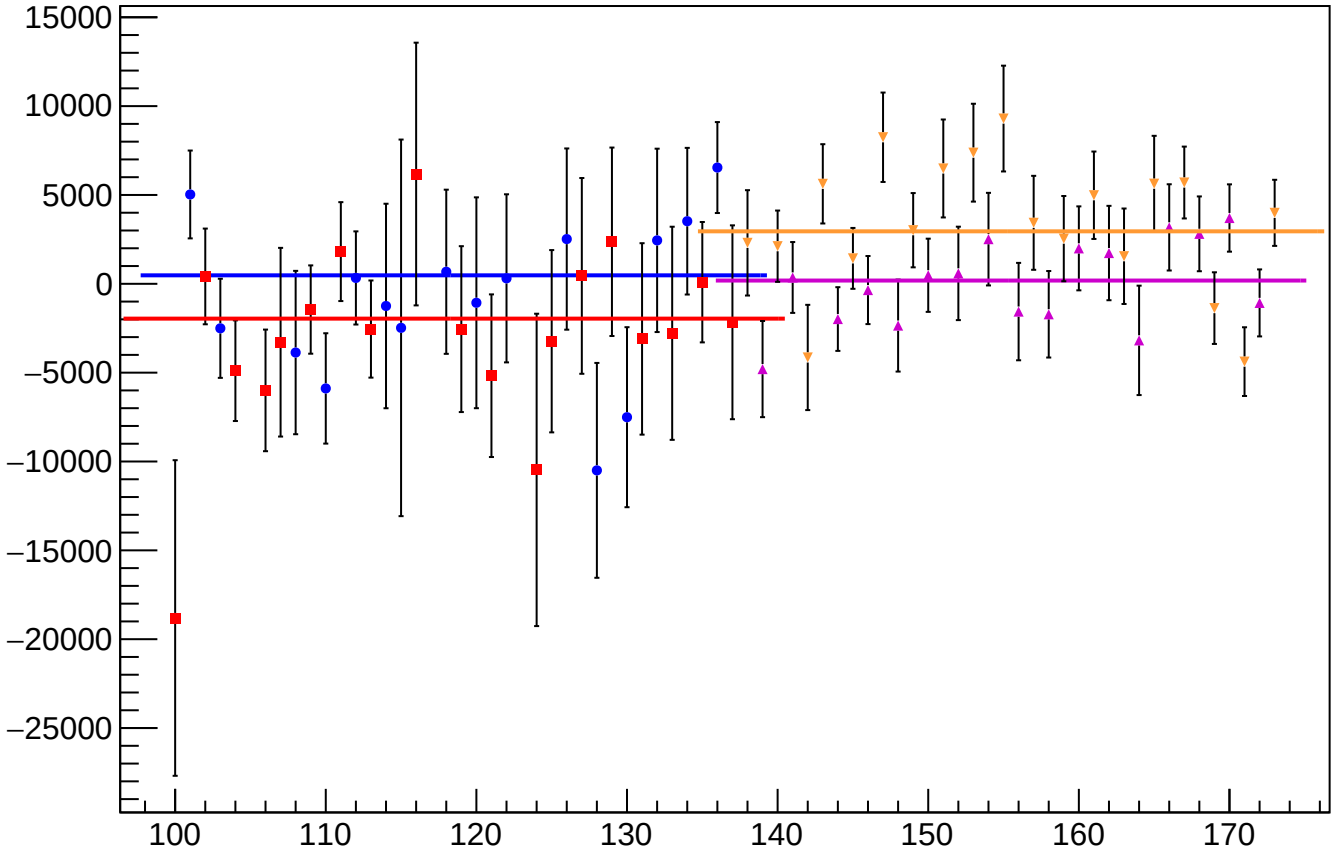
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2146.139+/-0.338 χ^2/NDF:1778177.9/32

Out: 2113.847+/-0.323 χ^2/NDF:2085284.9/37

All: 2129.308+/-0.234 χ^2/NDF: 3868234.1/70

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2953.458+/-527.990 χ^2/NDF:44.5/18

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: 183.733+/-547.773 χ^2/NDF:16.9/16

Left: 1619.513+/-380.147 χ^2/NDF: 74.6/35

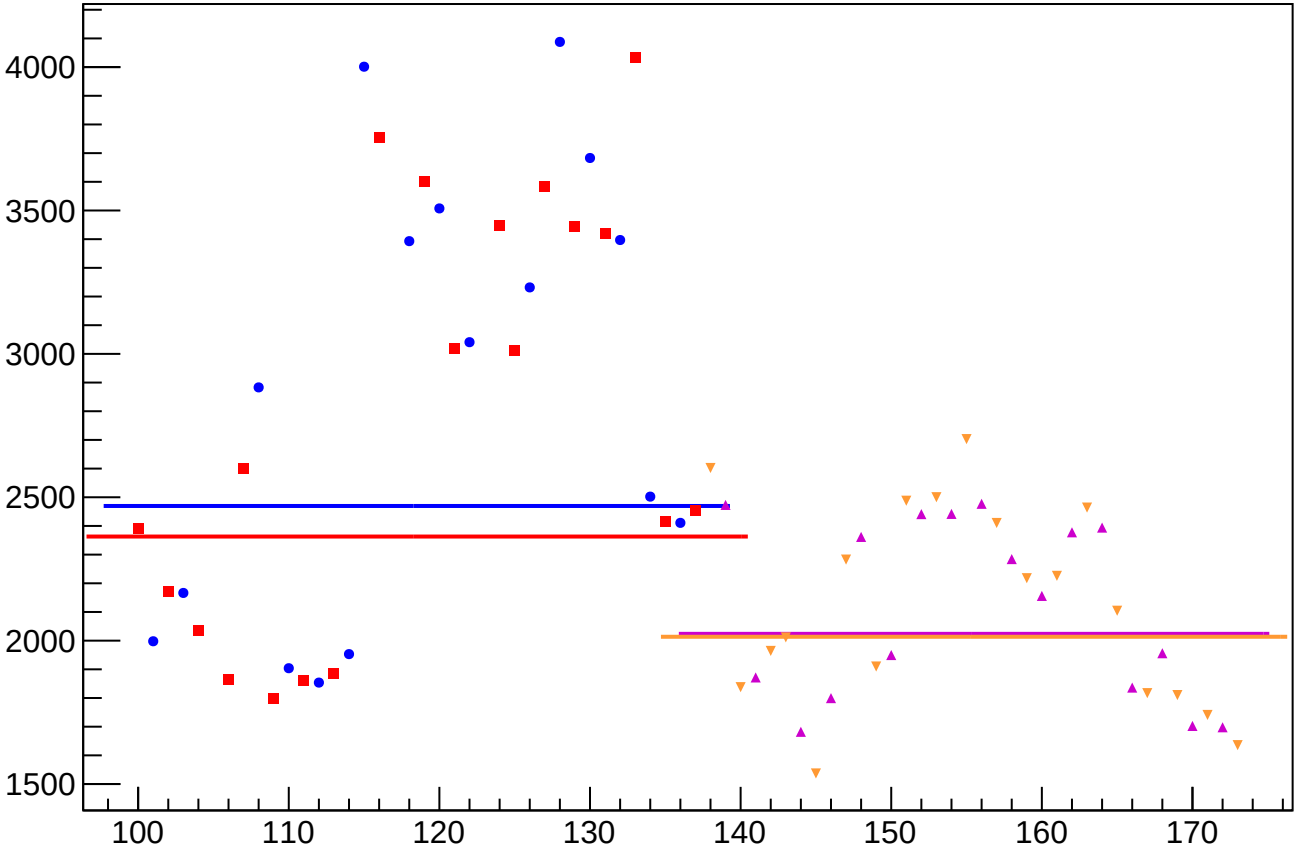
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: 256.661+/-474.881 χ^2/NDF:39.0/32

Out: 1694.908+/-455.368 χ^2/NDF:79.5/37

All: 1005.939+/-328.676 χ^2/NDF: 123.4/70

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2013.540+/-0.373 χ^2/NDF:800952.3/18

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 2023.734+/-0.387 χ^2/NDF:585208.9/16

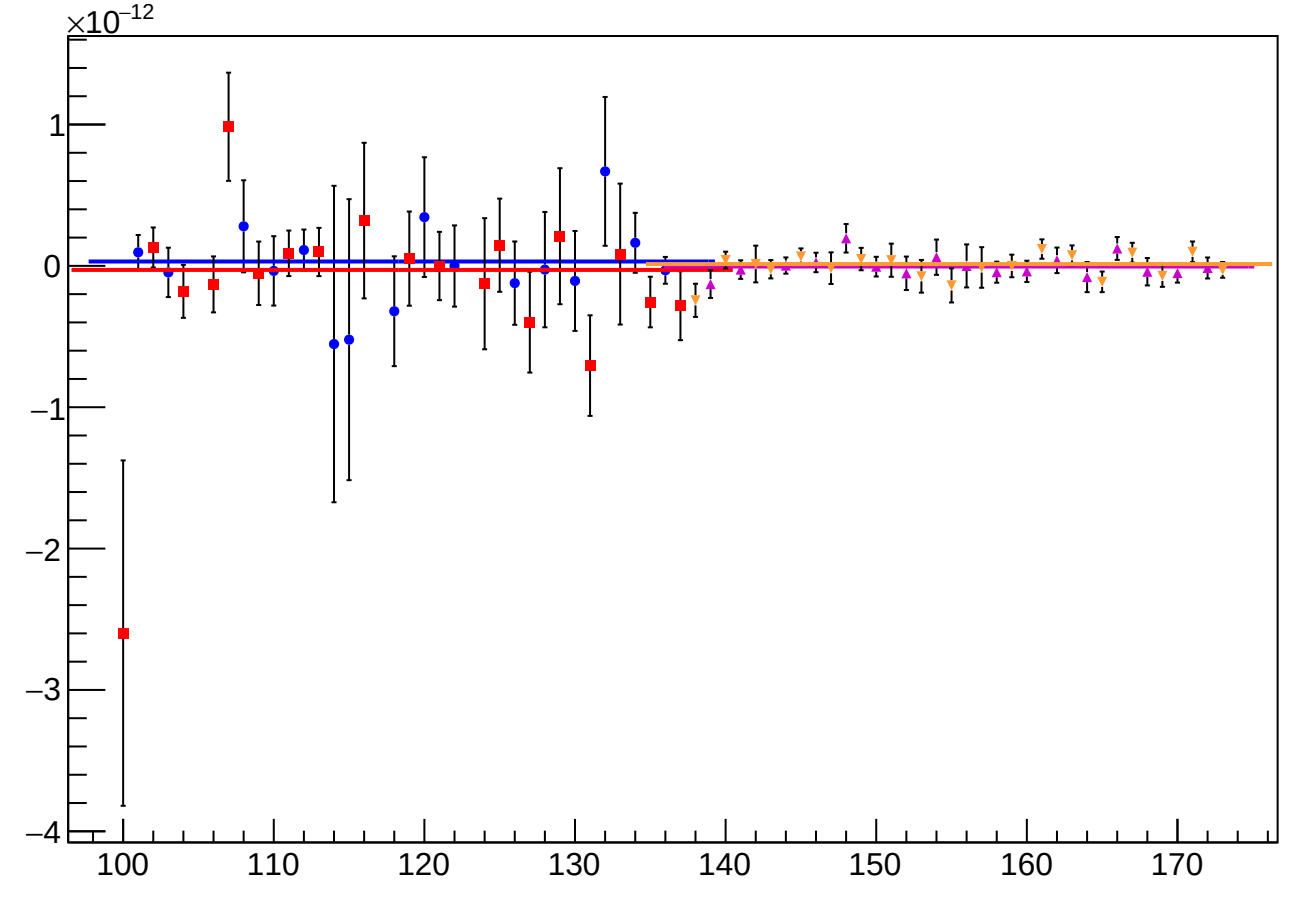
Left: 2018.449+/-0.269 χ^2/NDF: 1386520.3/35

Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2134.512+/-0.336 χ^2/NDF:1800635.3/32

Out: 2103.074+/-0.322 χ^2/NDF:2068805.0/37

All: 2118.134+/-0.232 χ^2/NDF: 3874006.6/70



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.6/16

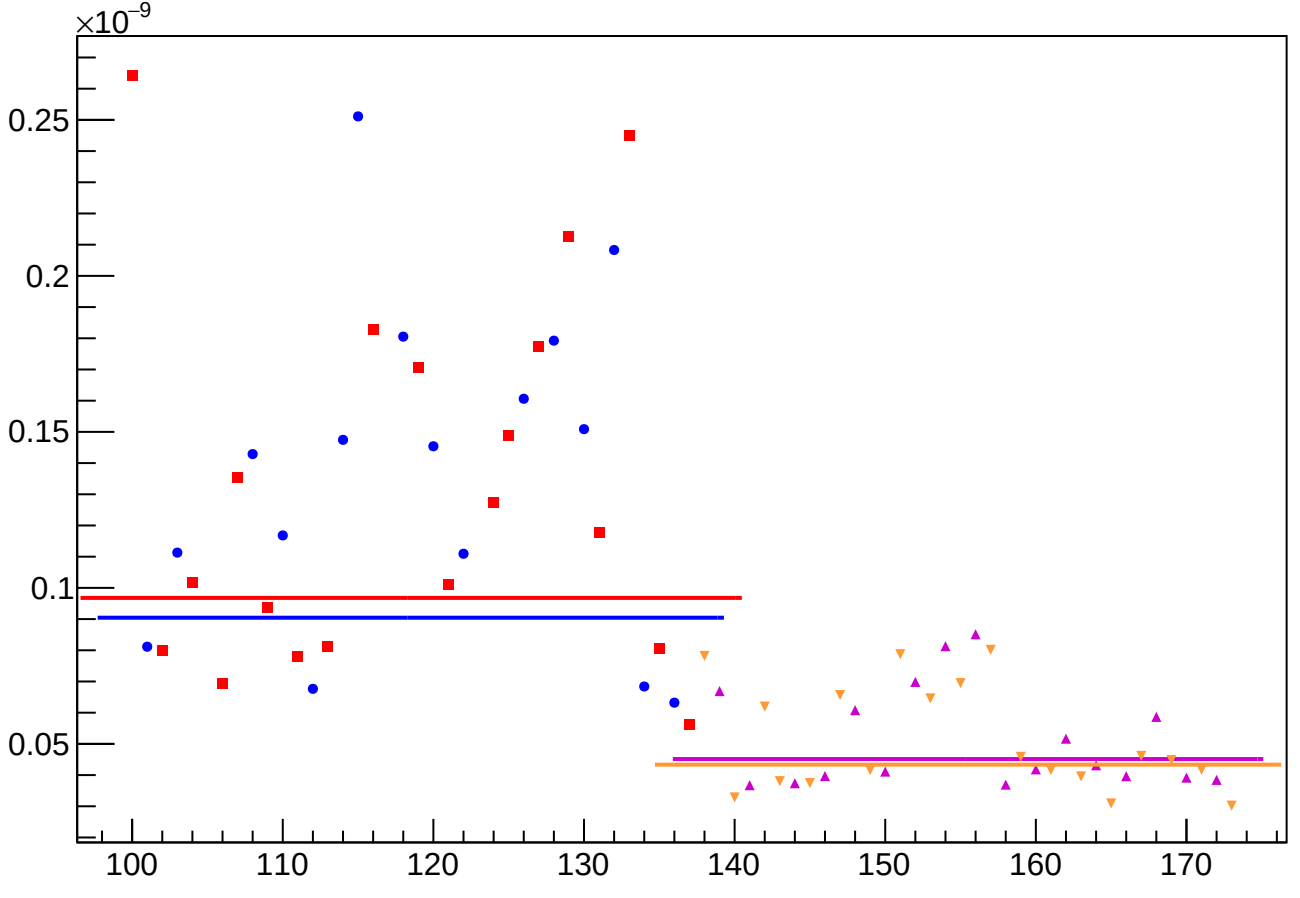
Left: 0.000+/-0.000 χ^2/NDF: 30.3/35

Right: 0.000+/-0.000 χ^2/NDF: 29.9/34

In: -0.000+/-0.000 χ^2/NDF:17.2/32

Out: 0.000+/-0.000 χ^2/NDF:42.9/37

All: 0.000+/-0.000 χ^2/NDF: 60.2/70



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1053162.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:747246.5/16

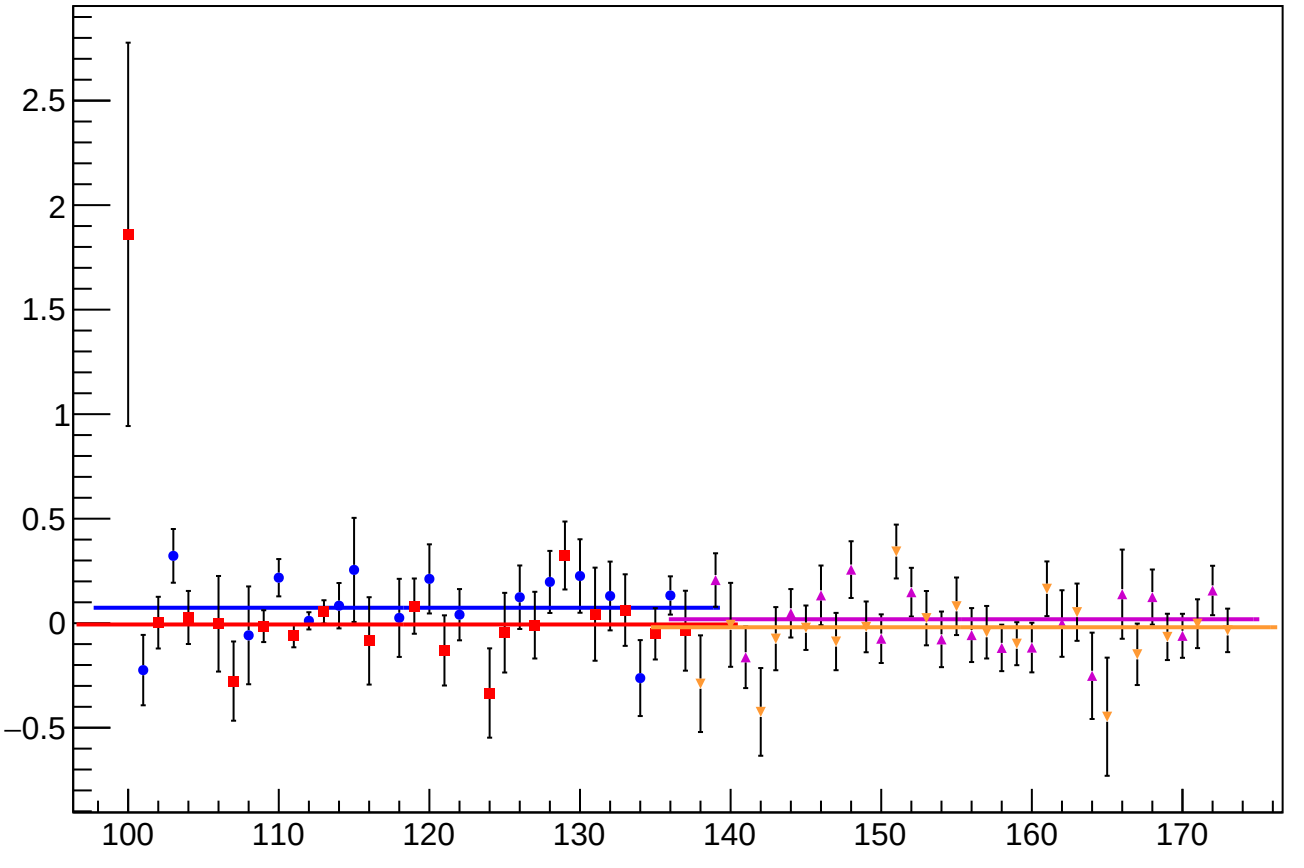
Left: 0.000+/-0.000 χ^2/NDF: 1809490.0/35

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:2975032.5/32

Out: 0.000+/-0.000 χ^2/NDF:3560322.9/37

All: 0.000+/-0.000 χ^2/NDF: 6553848.6/70



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.019+/-0.031 χ^2/NDF:20.2/18

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.019+/-0.032 χ^2/NDF:17.6/16

Left: -0.001+/-0.022 χ^2/NDF: 38.6/35

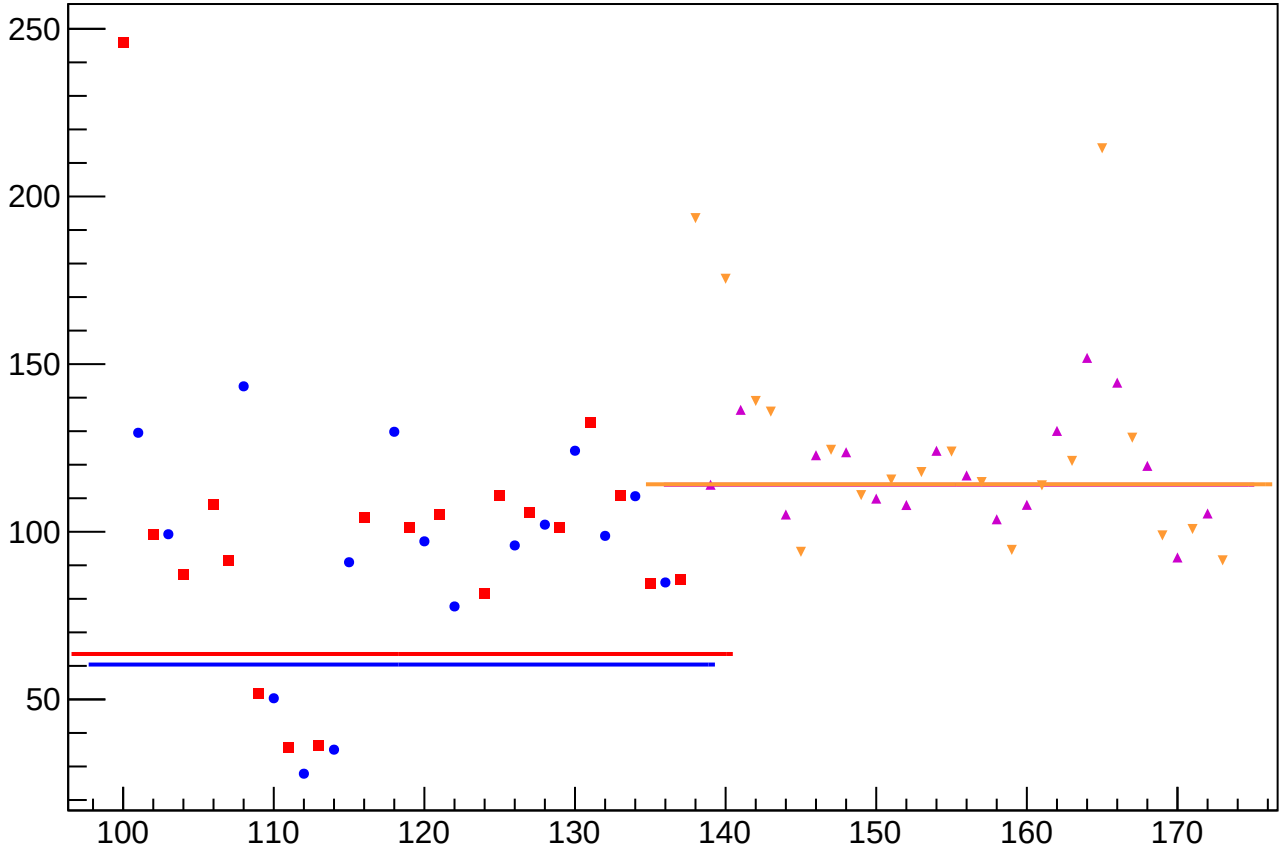
Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.051+/-0.021 χ^2/NDF:38.3/32

Out: -0.012+/-0.020 χ^2/NDF:36.7/37

All: 0.019+/-0.014 χ^2/NDF: 79.8/70

asym_sam4_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 114.166+/-0.022 χ^2/NDF:1093618.4/18

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.033+/-0.022 χ^2/NDF:345441.6/16

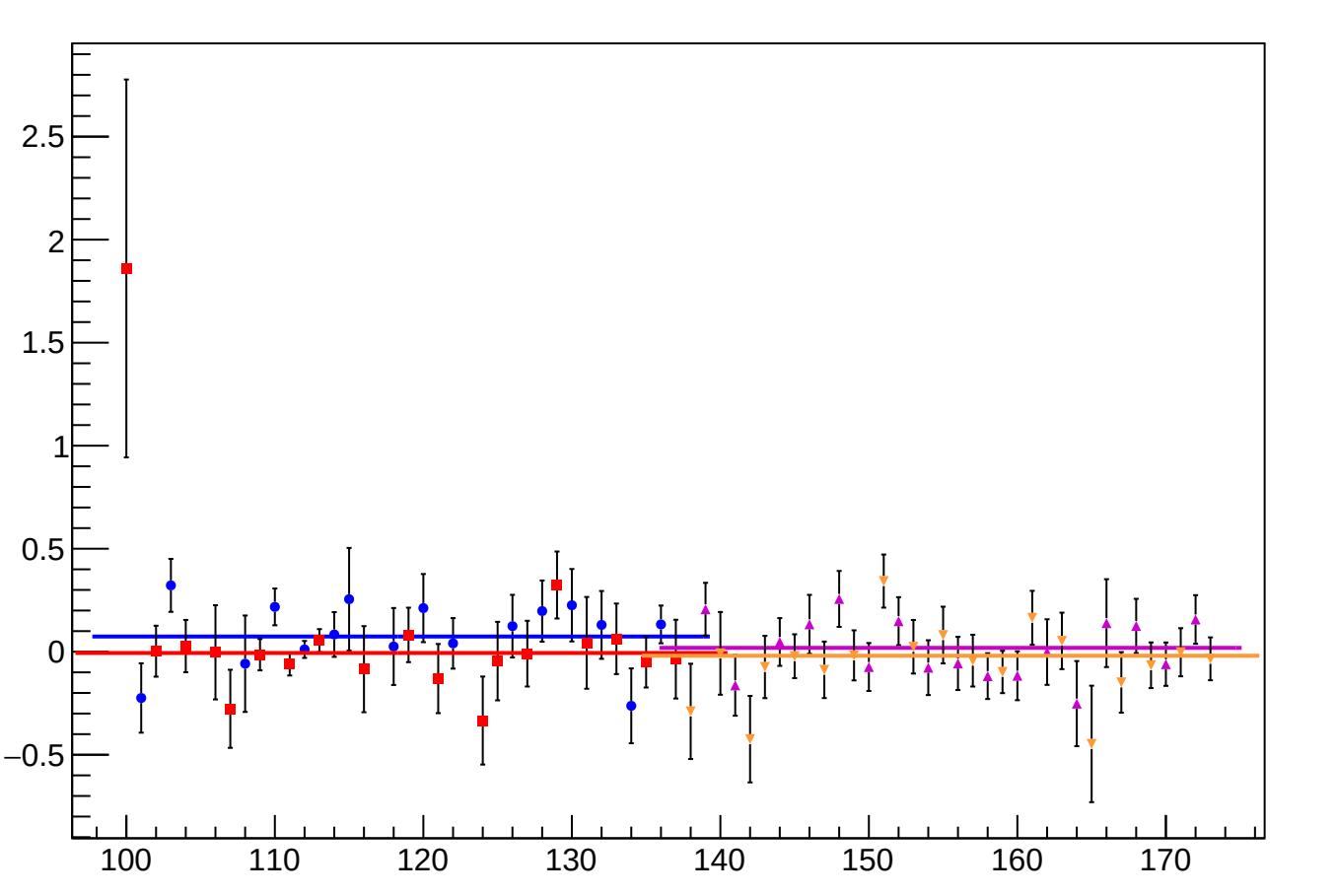
Left: 114.101+/-0.016 χ^2/NDF: 1439078.3/35

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 83.091+/-0.015 χ^2/NDF:7219140.7/32

Out: 85.546+/-0.014 χ^2/NDF:6840691.4/37

All: 84.339+/-0.010 χ^2/NDF: 14074389.8/70



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.019+/-0.031 χ^2/NDF:20.2/18

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.019+/-0.032 χ^2/NDF:17.6/16

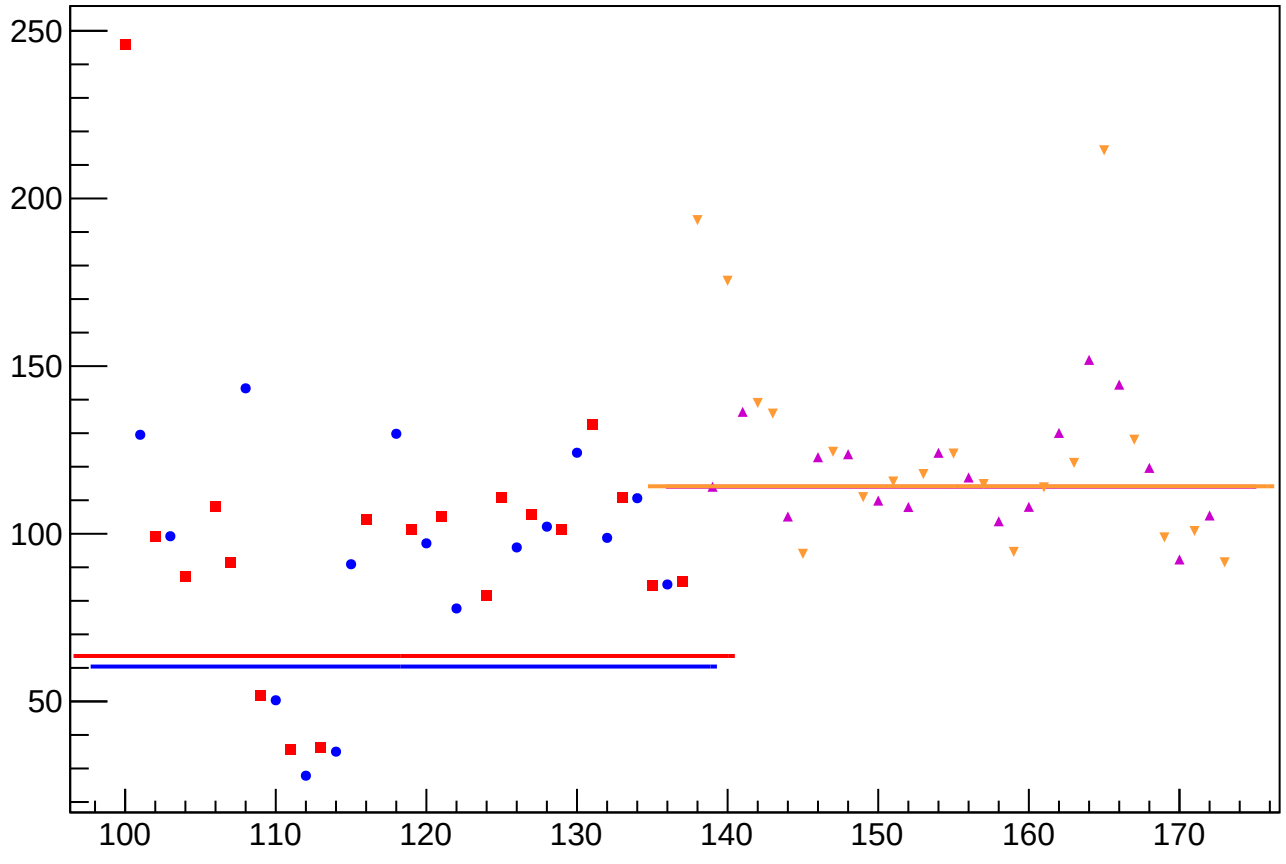
Left: -0.001+/-0.022 χ^2/NDF: 38.6/35

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.051+/-0.021 χ^2/NDF:38.3/32

Out: -0.012+/-0.020 χ^2/NDF:36.7/37

All: 0.019+/-0.014 χ^2/NDF: 79.8/70



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 114.166+/-0.022 χ^2/NDF:1093618.4/18

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.033+/-0.022 χ^2/NDF:345441.6/16

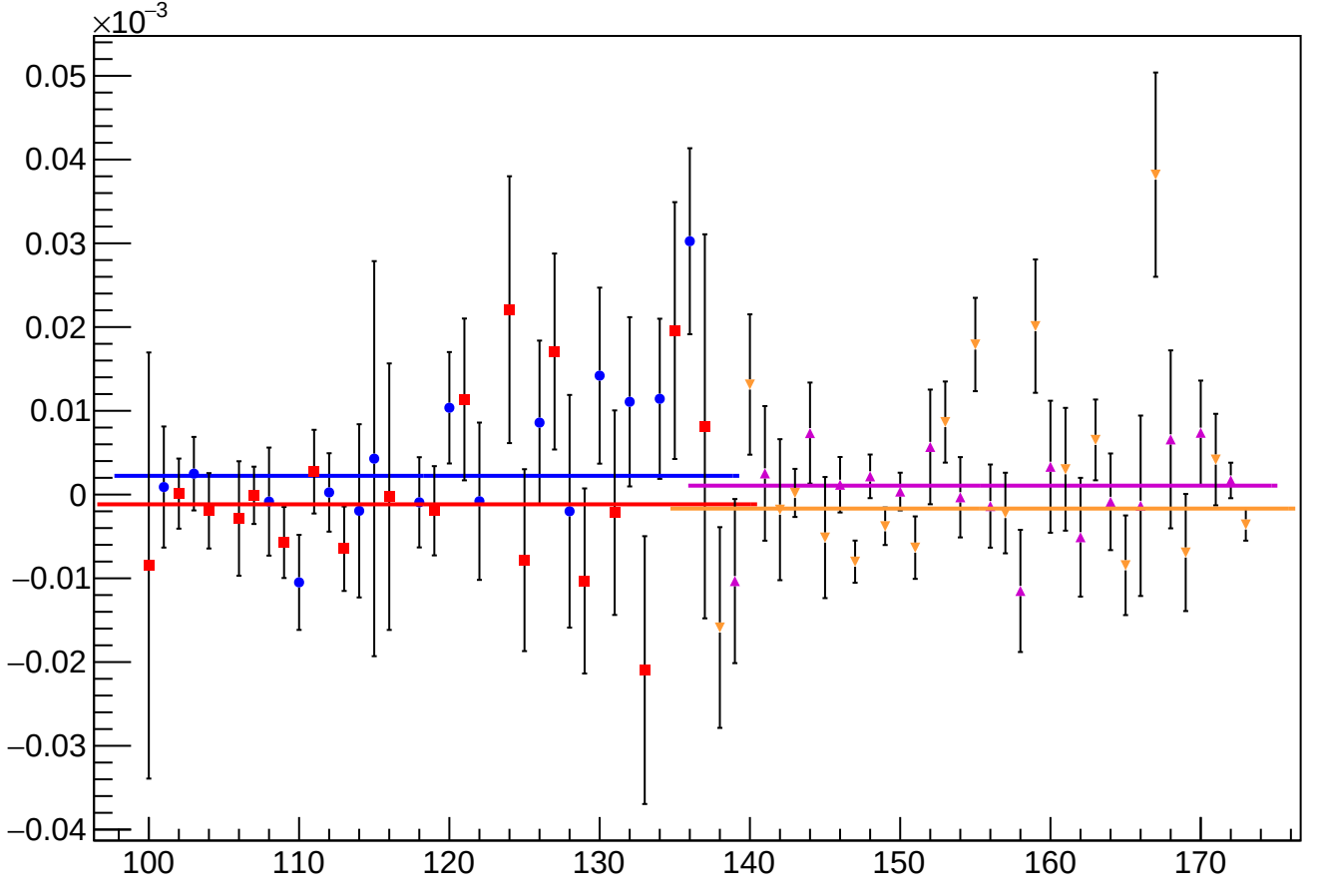
Left: 114.101+/-0.016 χ^2/NDF: 1439078.3/35

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 83.091+/-0.015 χ^2/NDF:7219140.7/32

Out: 85.546+/-0.014 χ^2/NDF:6840691.4/37

All: 84.339+/-0.010 χ^2/NDF: 14074389.8/70



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

Left Out: -0.000+/-0.000 χ^2/NDF:56.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/16

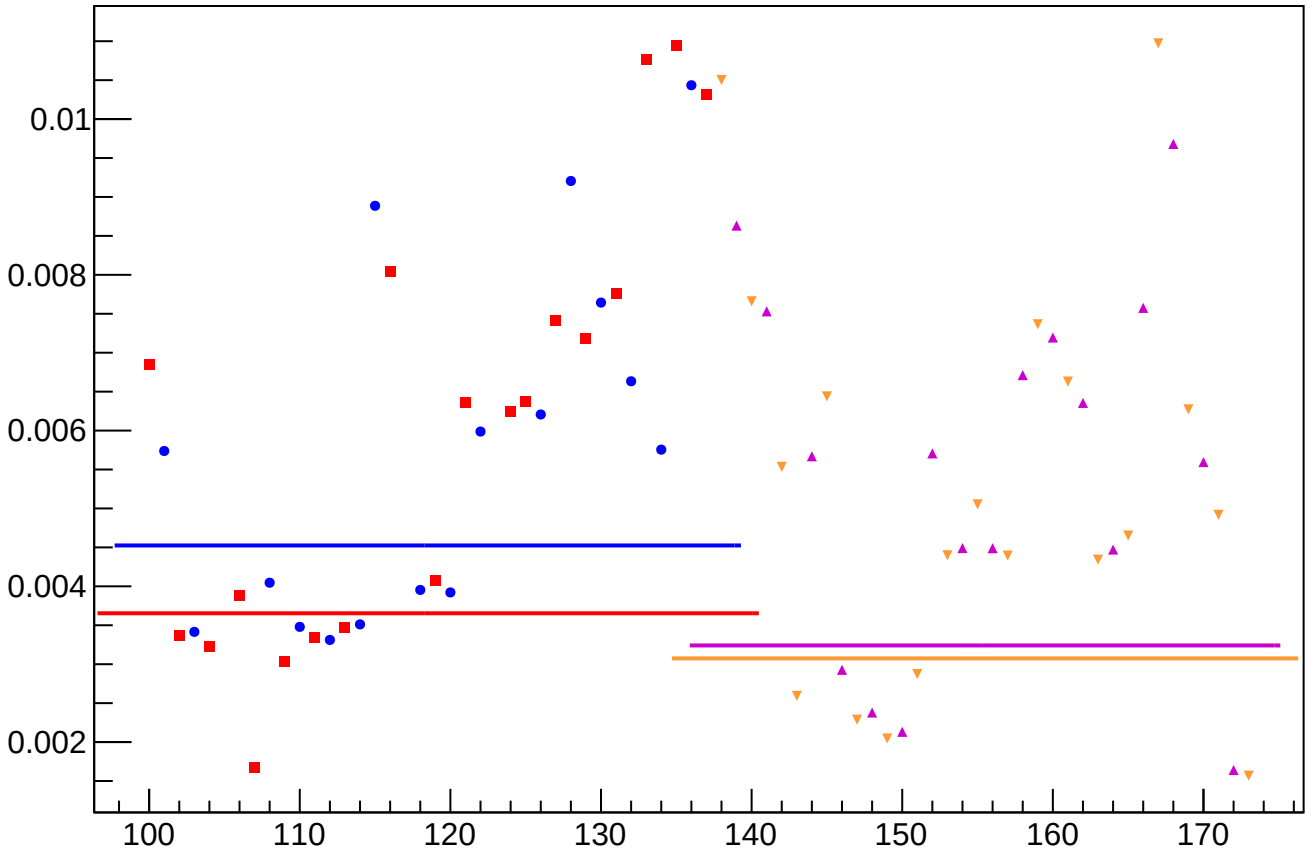
Left: -0.000+/-0.000 χ^2/NDF: 69.1/35

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:26.7/32

Out: -0.000+/-0.000 χ^2/NDF:70.5/37

All: -0.000+/-0.000 χ^2/NDF: 103.0/70



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:7235376.6/18

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:6660466.1/16

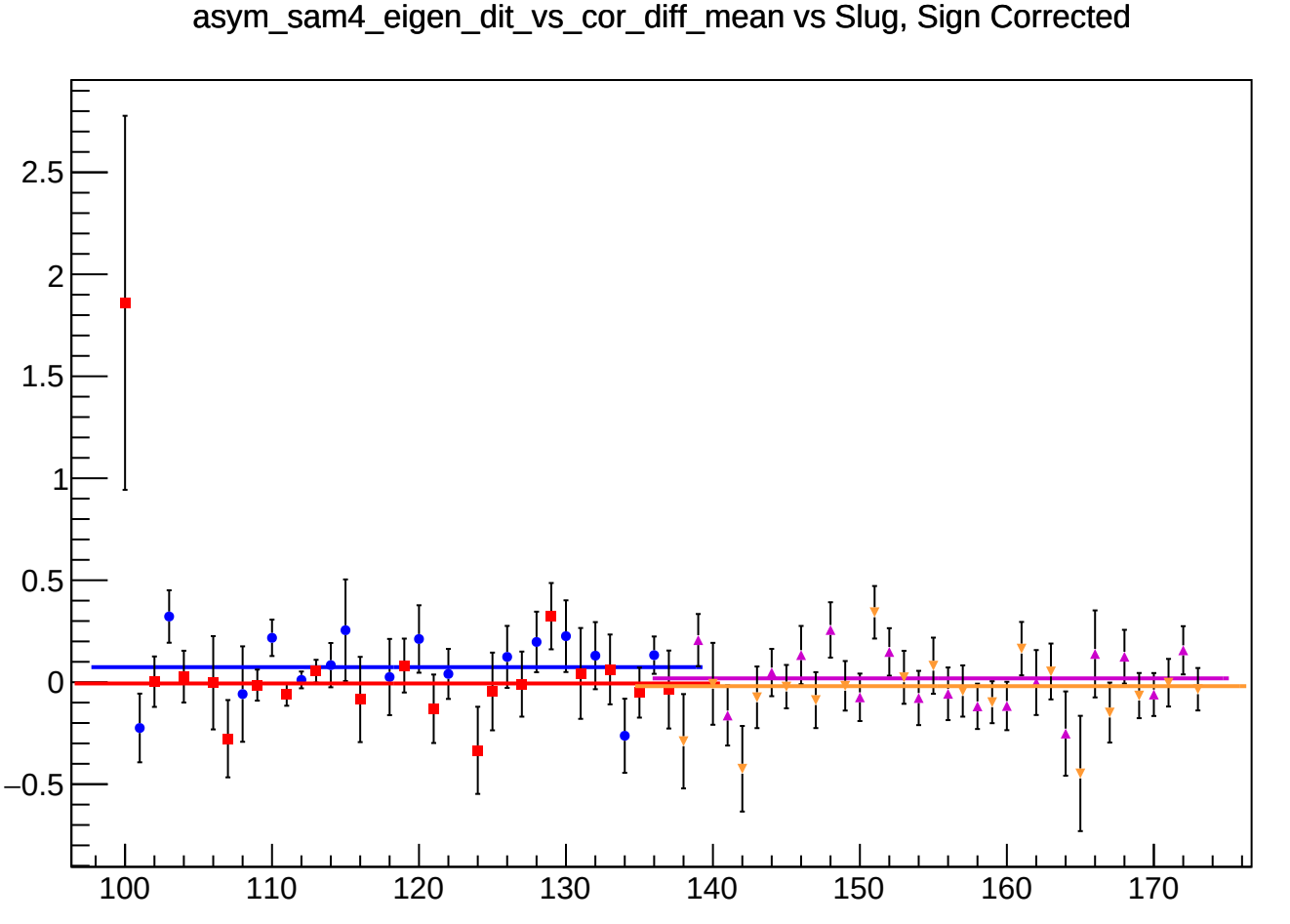
Left: 0.003+/-0.000 χ^2/NDF: 13924583.9/35

Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:9141941.9/32

Out: 0.003+/-0.000 χ^2/NDF:10384275.4/37

All: 0.003+/-0.000 χ^2/NDF: 19668748.8/70



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.019+/-0.031 χ^2/NDF:20.2/18

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.019+/-0.032 χ^2/NDF:17.6/16

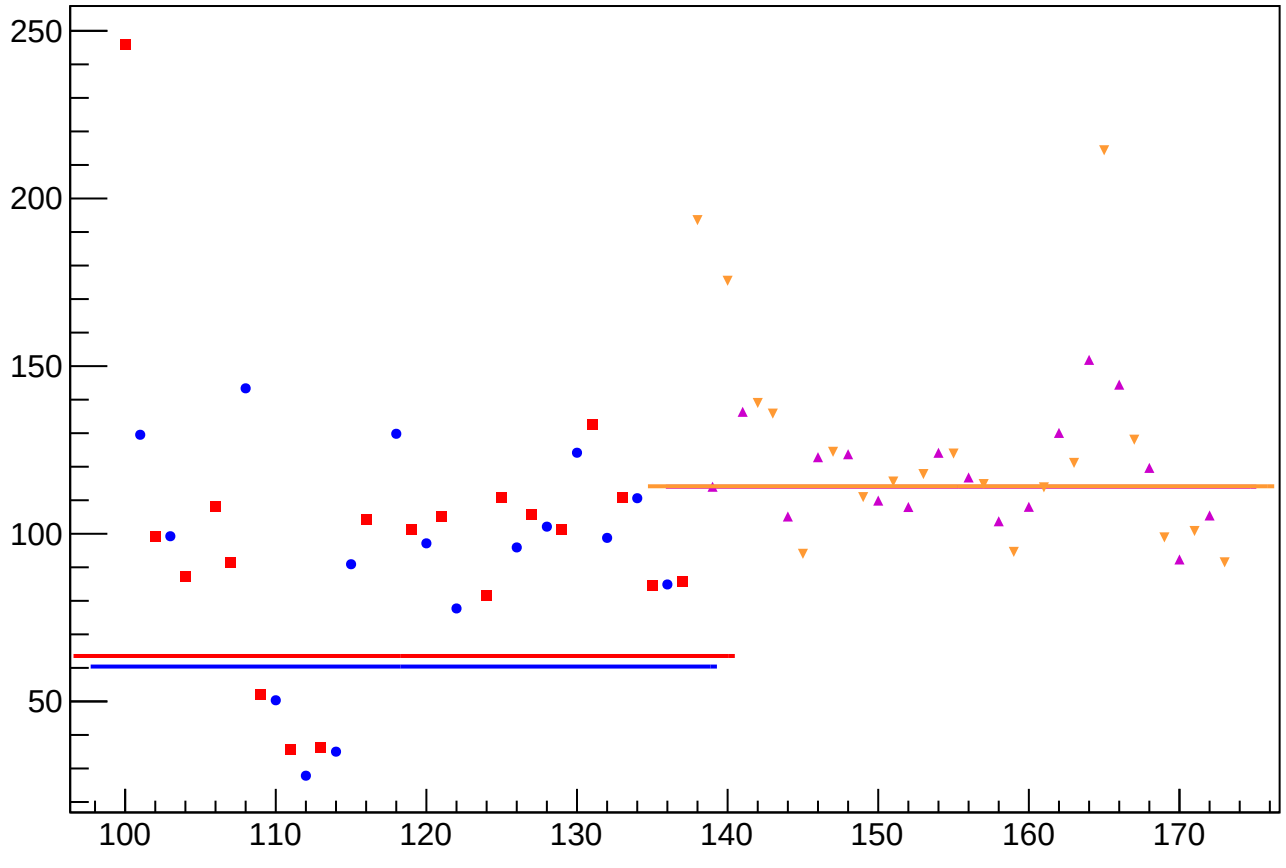
Left: -0.001+/-0.022 χ^2/NDF: 38.6/35

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.051+/-0.021 χ^2/NDF:38.3/32

Out: -0.012+/-0.020 χ^2/NDF:36.7/37

All: 0.019+/-0.014 χ^2/NDF: 79.8/70



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 114.167+/-0.022 χ^2/NDF:1093598.0/18

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.034+/-0.022 χ^2/NDF:345444.7/16

Left: 114.102+/-0.016 χ^2/NDF: 1439061.1/35

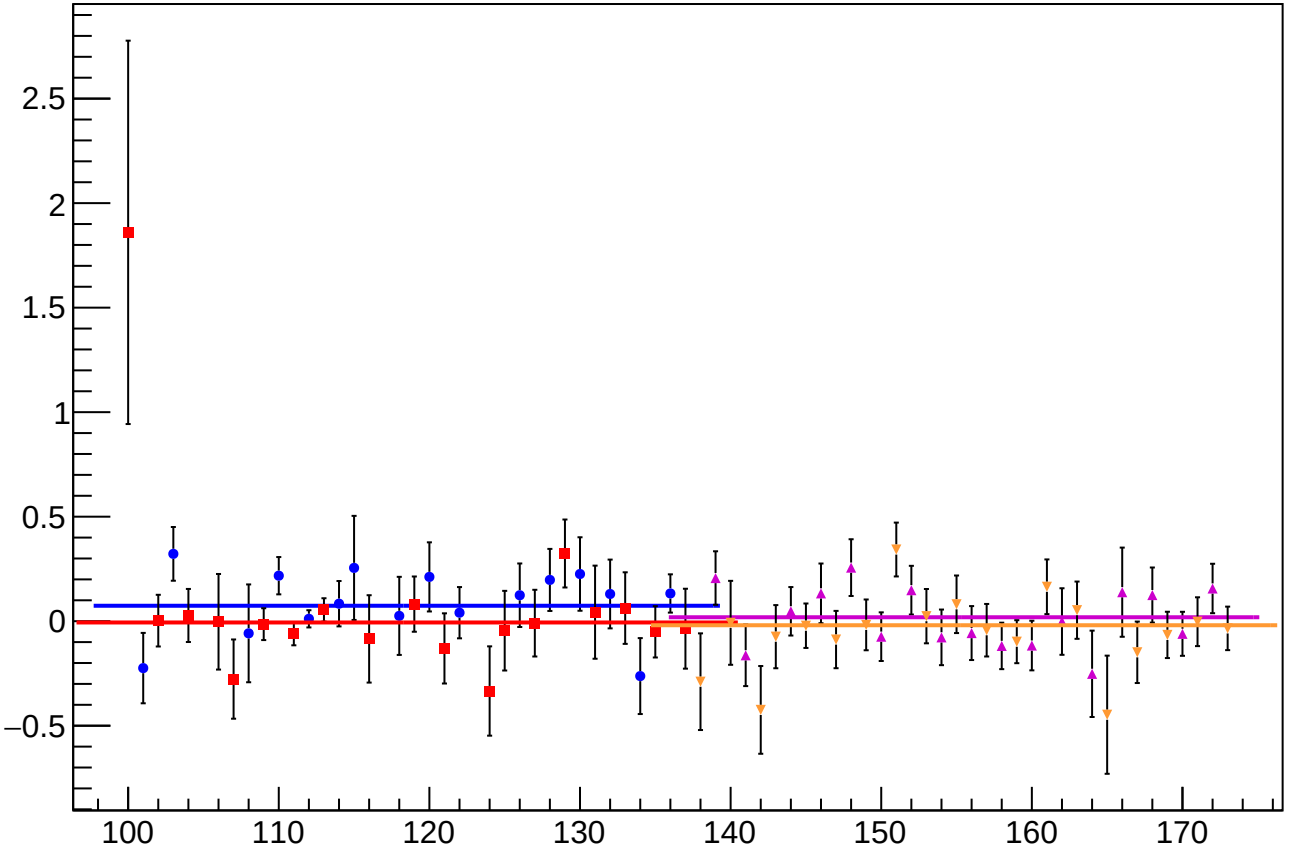
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 83.089+/-0.015 χ^2/NDF:7219809.3/32

Out: 85.545+/-0.014 χ^2/NDF:6841299.8/37

All: 84.338+/-0.010 χ^2/NDF: 14075671.2/70

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: -0.019+/-0.031 χ^2/NDF:20.2/18

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.019+/-0.032 χ^2/NDF:17.6/16

Left: -0.001+/-0.022 χ^2/NDF: 38.6/35

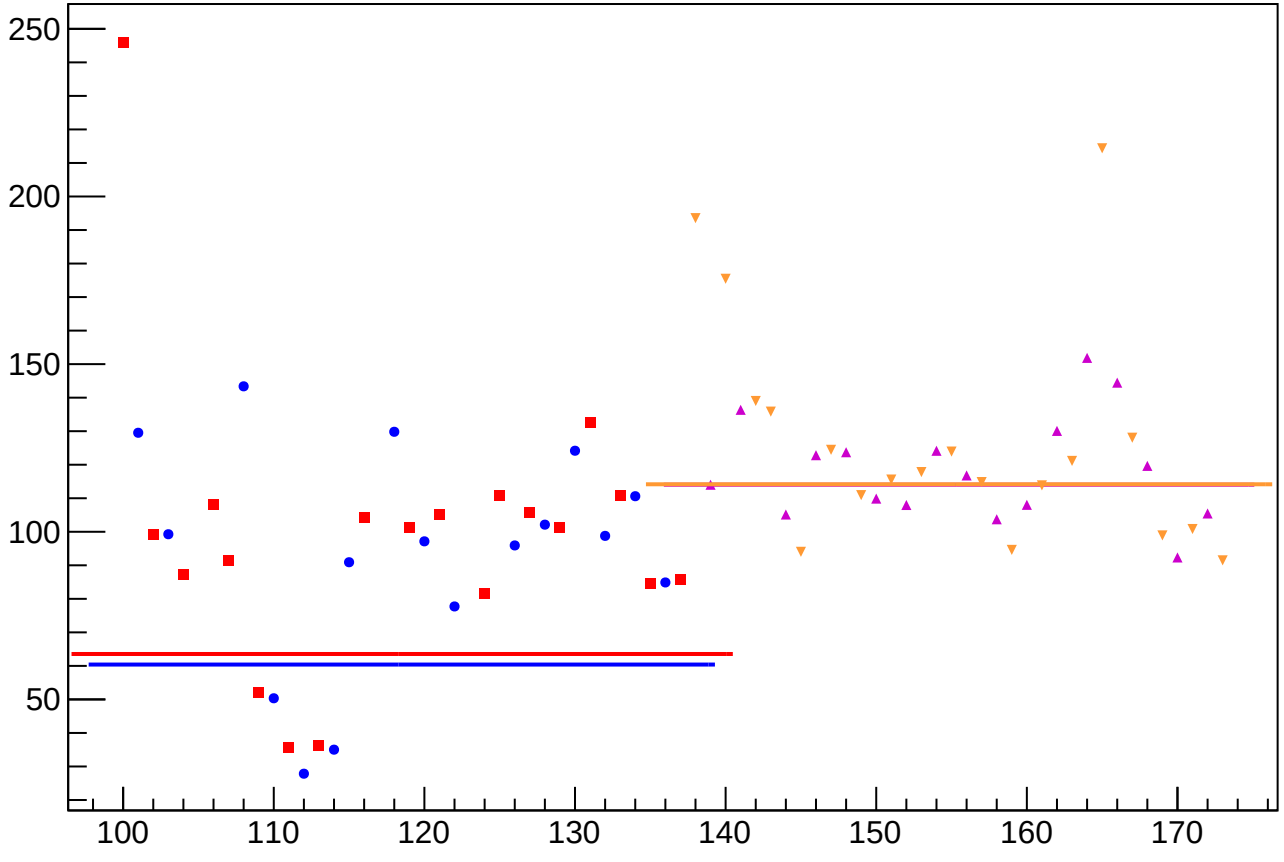
Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.051+/-0.021 χ^2/NDF:38.3/32

Out: -0.012+/-0.020 χ^2/NDF:36.7/37

All: 0.019+/-0.014 χ^2/NDF: 79.8/70

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: 114.167+/-0.022 χ^2/NDF:1093598.0/18

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.034+/-0.022 χ^2/NDF:345444.7/16

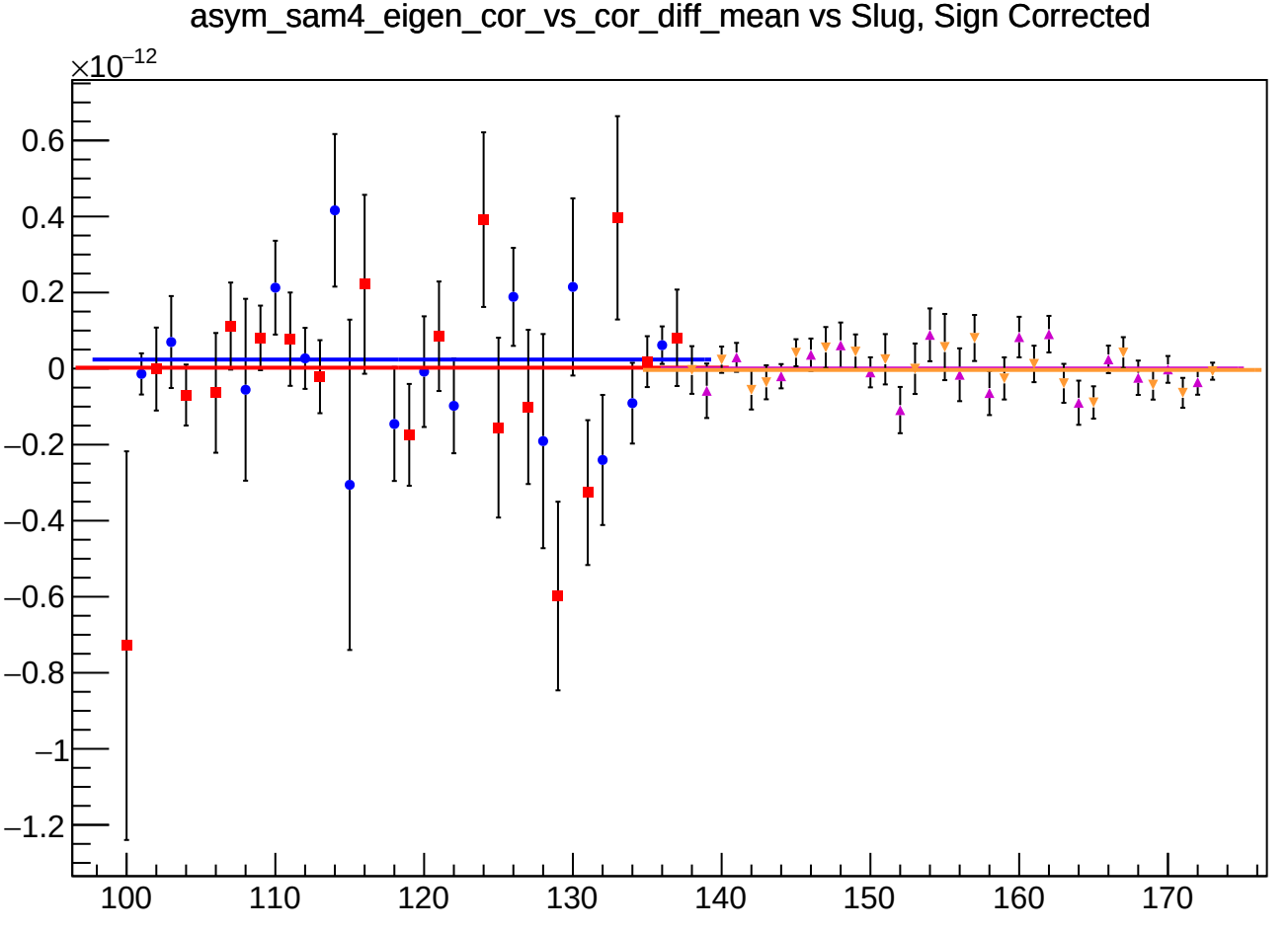
Left: 114.102+/-0.016 χ^2/NDF: 1439061.1/35

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 83.089+/-0.015 χ^2/NDF:7219809.3/32

Out: 85.545+/-0.014 χ^2/NDF:6841299.8/37

All: 84.338+/-0.010 χ^2/NDF: 14075671.2/70



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:19.9/16

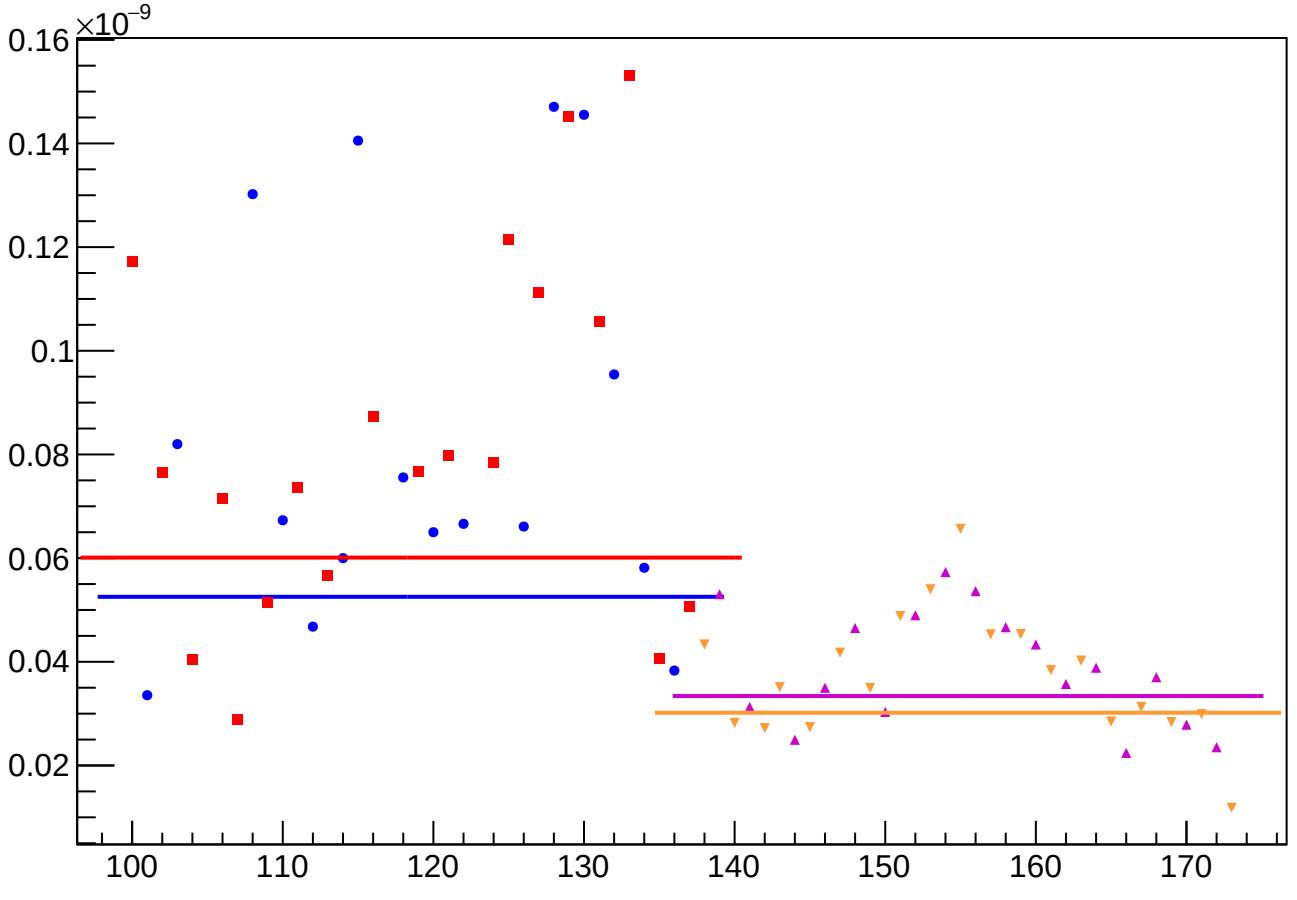
Left: -0.000+/-0.000 χ^2/NDF: 38.1/35

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:37.4/32

Out: -0.000+/-0.000 χ^2/NDF:41.3/37

All: 0.000+/-0.000 χ^2/NDF: 79.0/70



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2754297.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1567234.9/16

Left: 0.000+/-0.000 χ^2/NDF: 4415977.0/35

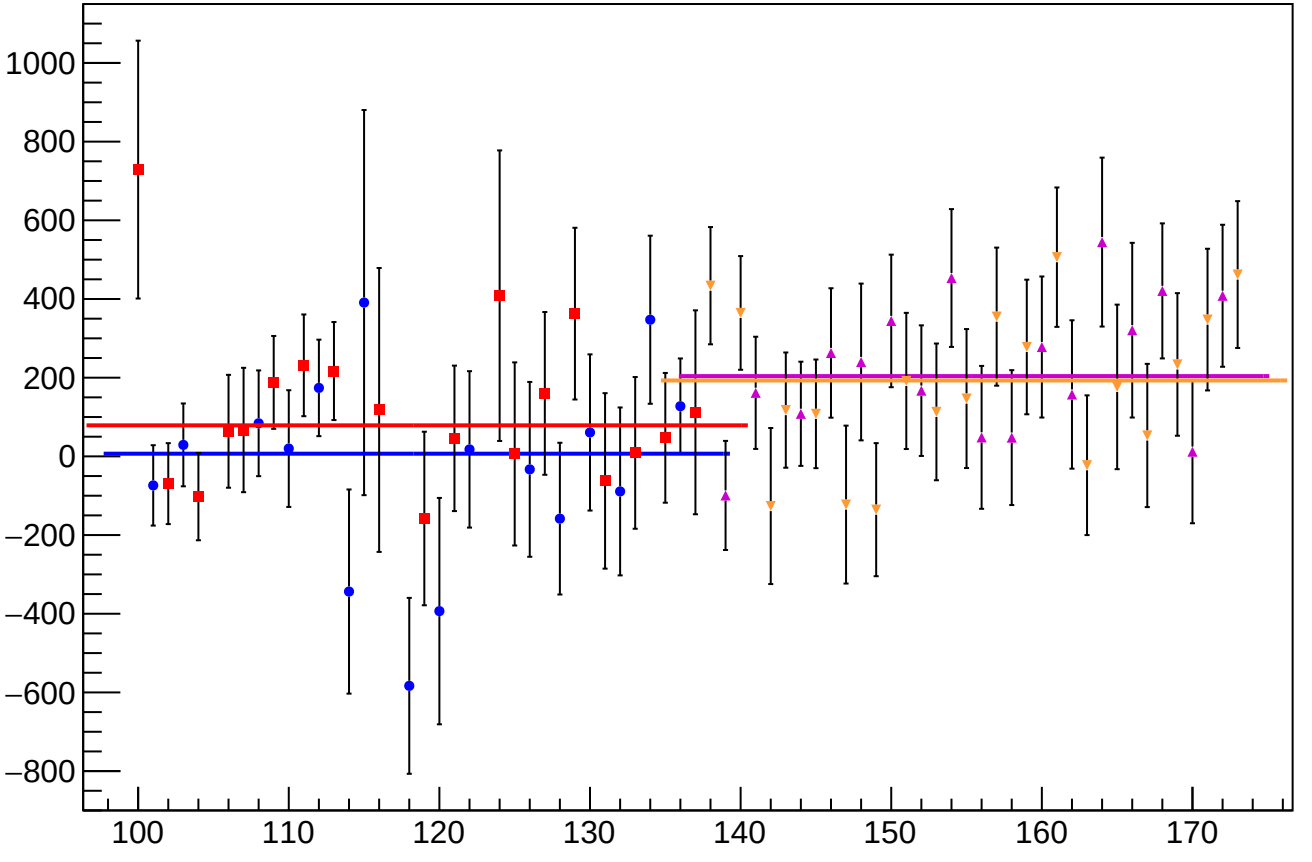
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:4126122.8/32

Out: 0.000+/-0.000 χ^2/NDF:6212447.8/37

All: 0.000+/-0.000 χ^2/NDF: 10424249.9/70

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 192.940+/-39.253 χ^2/NDF:22.9/18

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 204.021+/-41.348 χ^2/NDF:16.9/16

Left: 198.192+/-28.468 χ^2/NDF: 39.9/35

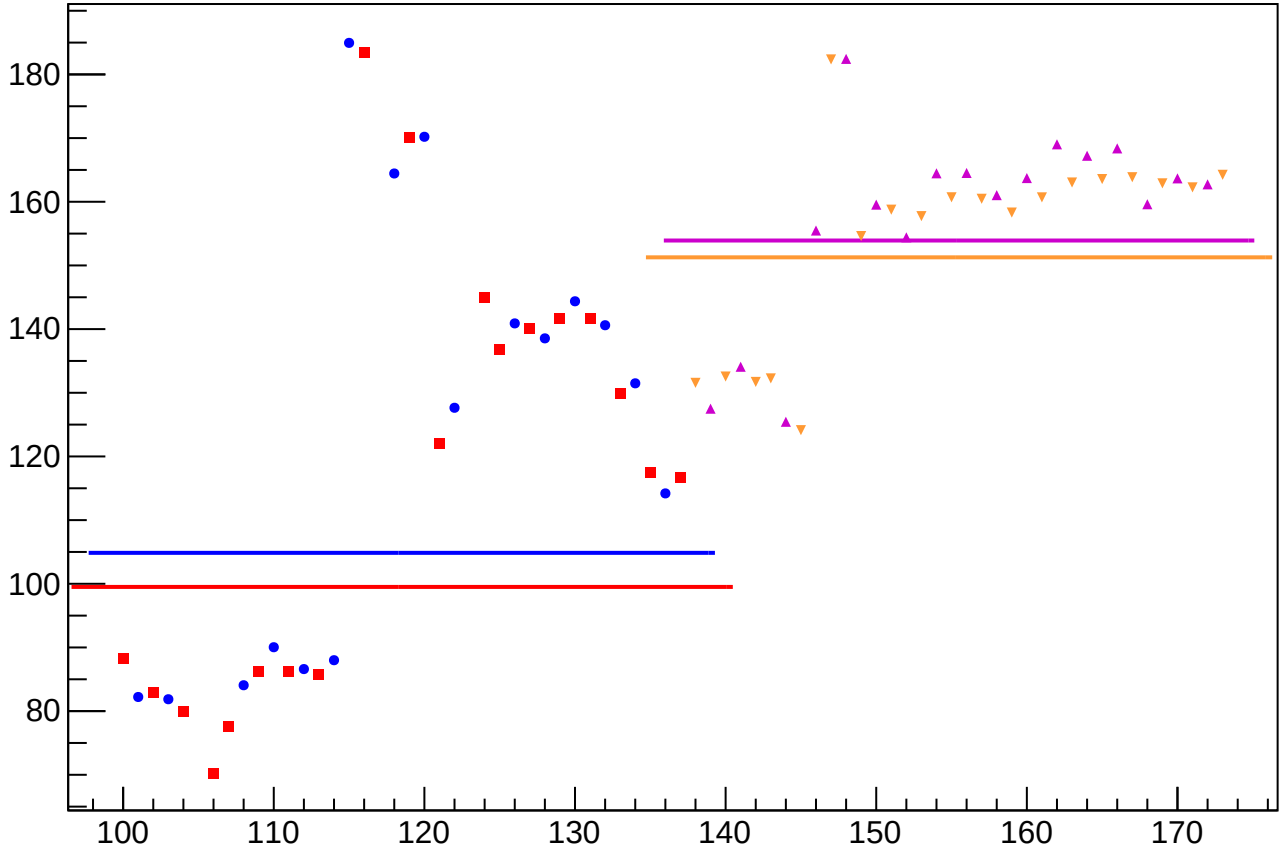
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 103.014+/-28.879 χ^2/NDF:47.3/32

Out: 133.921+/-27.267 χ^2/NDF:44.0/37

All: 119.354+/-19.826 χ^2/NDF: 91.9/70

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 151.272+/-0.028 χ^2/NDF:325100.5/18

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 153.915+/-0.029 χ^2/NDF:312454.8/16

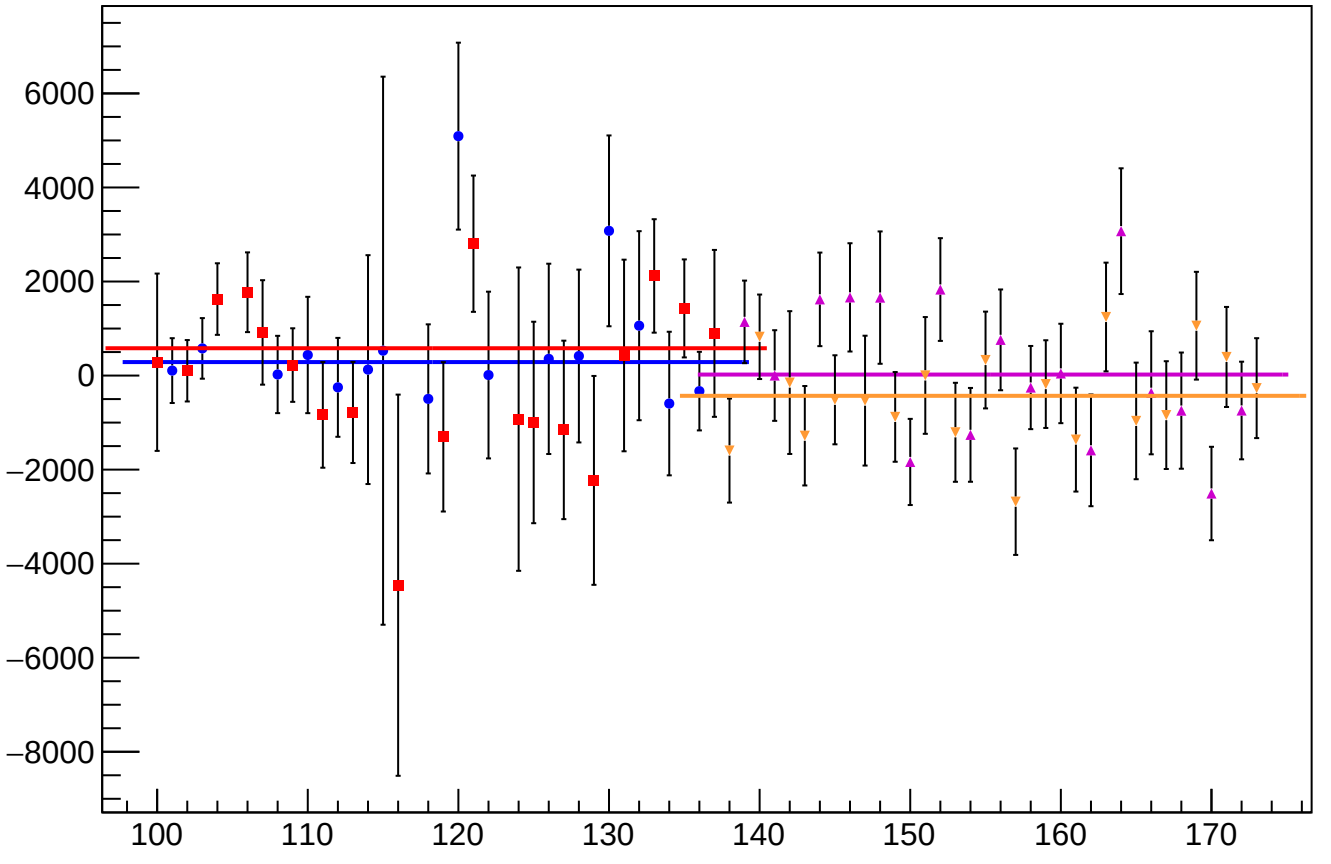
Left: 152.525+/-0.020 χ^2/NDF: 641851.8/35

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 128.790+/-0.020 χ^2/NDF:2685494.8/32

Out: 124.487+/-0.019 χ^2/NDF:3163942.2/37

All: 126.515+/-0.014 χ^2/NDF: 5872914.2/70



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -430.630+/-249.534 χ^2/NDF:14.7/18

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 21.517+/-256.756 χ^2/NDF:31.2/16

Left: -211.006+/-178.946 χ^2/NDF: 47.5/35

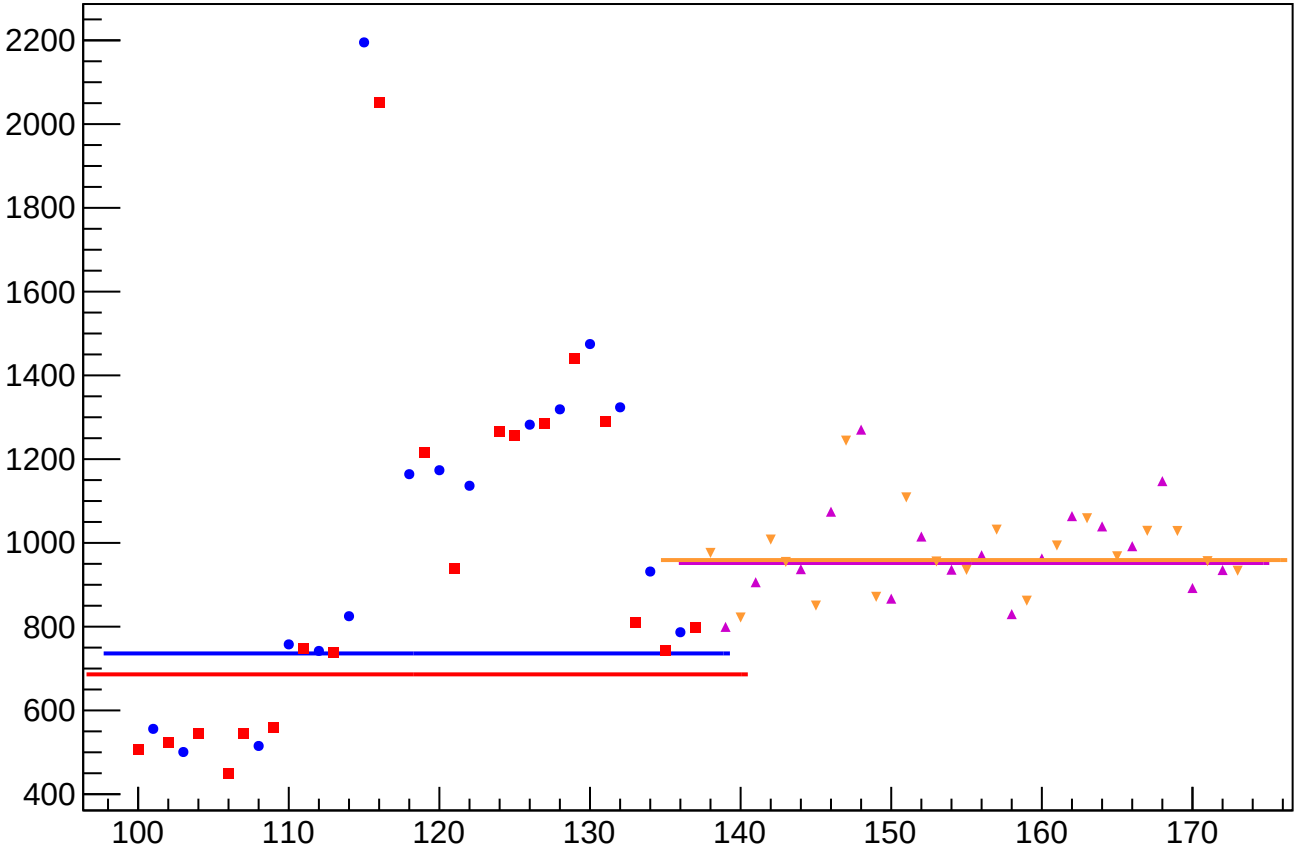
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 136.584+/-193.240 χ^2/NDF:41.4/32

Out: 35.914+/-183.185 χ^2/NDF:41.0/37

All: 83.562+/-132.944 χ^2/NDF: 82.5/70

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 959.015+/-0.176 χ^2/NDF:270710.1/18

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 952.044+/-0.182 χ^2/NDF:339756.4/16

Left: 955.629+/-0.127 χ^2/NDF: 611224.6/35

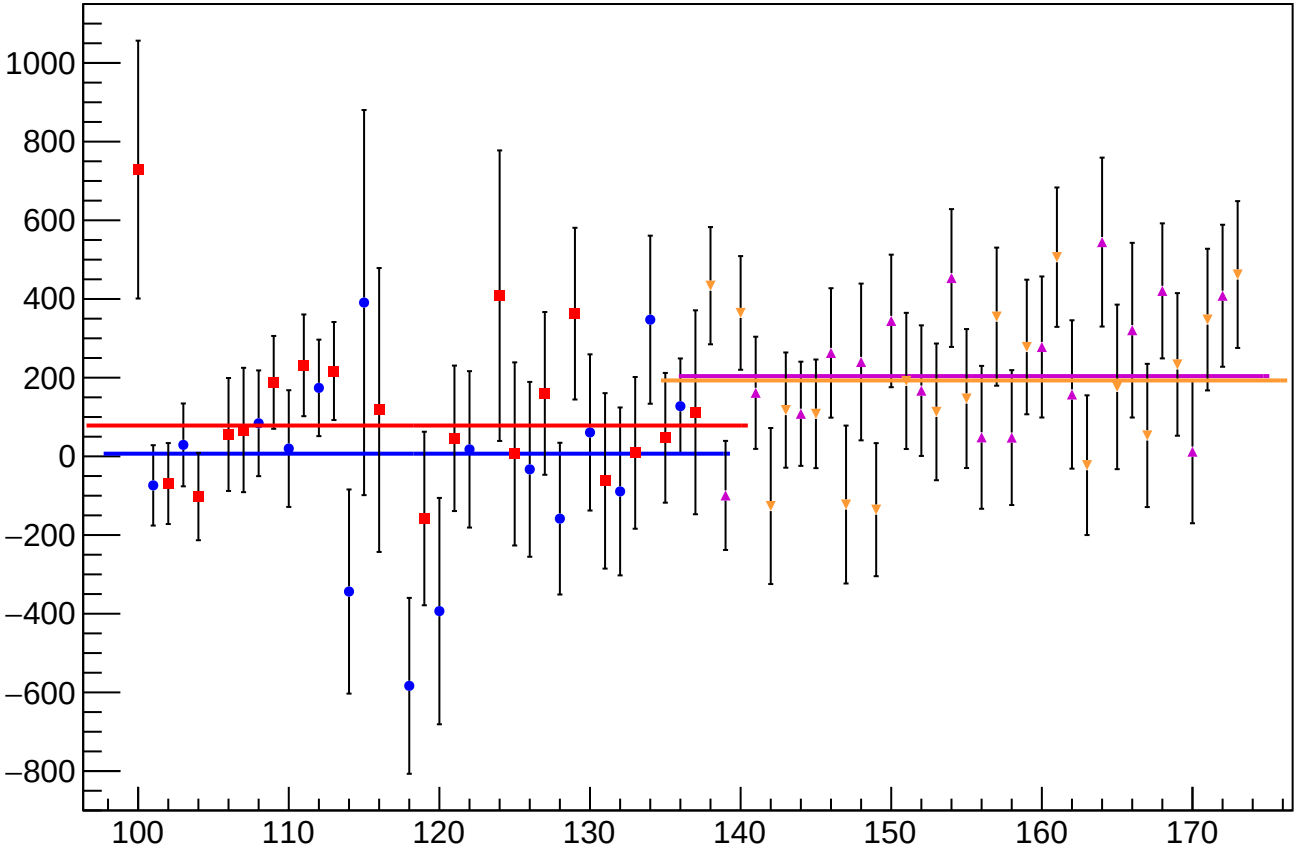
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 858.411+/-0.137 χ^2/NDF:2797715.5/32

Out: 833.183+/-0.130 χ^2/NDF:3192891.6/37

All: 845.124+/-0.094 χ^2/NDF: 6008562.0/70

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 192.938+/-39.253 χ^2/NDF:22.9/18

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 204.022+/-41.348 χ^2/NDF:16.9/16

Left: 198.192+/-28.468 χ^2/NDF: 39.9/35

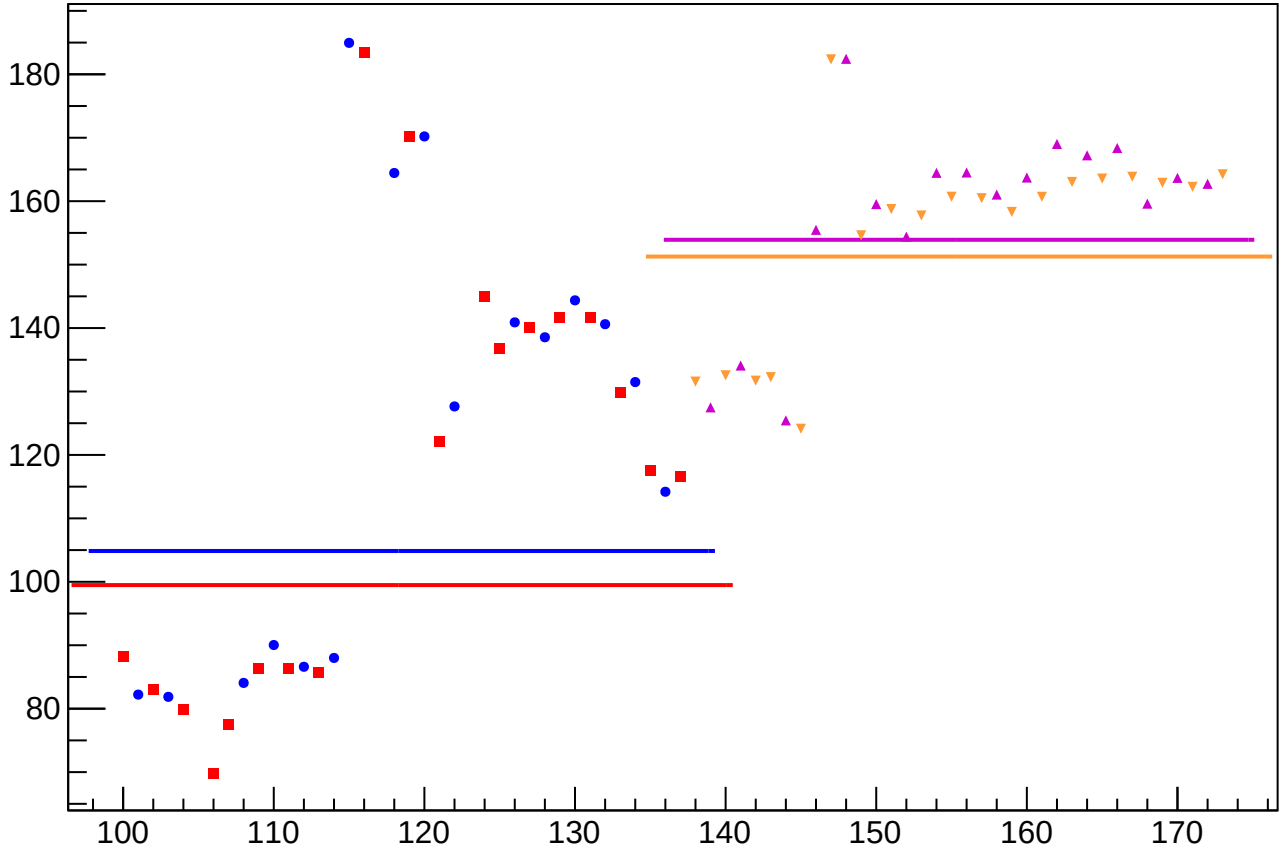
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 103.009+/-28.879 χ^2/NDF:47.3/32

Out: 133.647+/-27.268 χ^2/NDF:44.0/37

All: 119.207+/-19.827 χ^2/NDF: 92.0/70

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 151.272+/-0.028 χ^2/NDF:325100.5/18

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 153.915+/-0.029 χ^2/NDF:312454.8/16

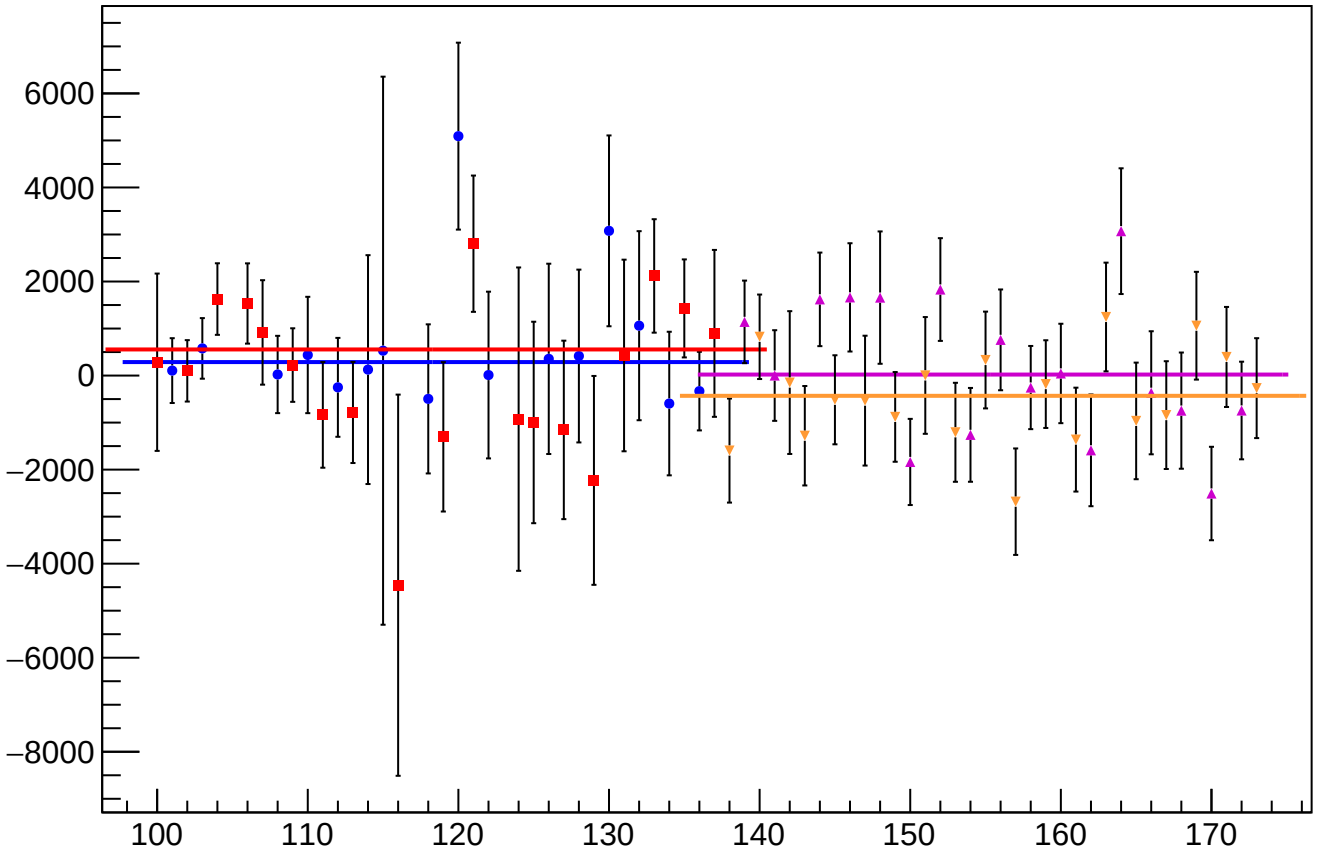
Left: 152.525+/-0.020 χ^2/NDF: 641851.8/35

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 128.790+/-0.020 χ^2/NDF:2685493.1/32

Out: 124.476+/-0.019 χ^2/NDF:3167667.5/37

All: 126.509+/-0.014 χ^2/NDF: 5876752.1/70



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -430.629+/-249.534 χ^2/NDF:14.7/18

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 21.517+/-256.756 χ^2/NDF:31.2/16

Left: -211.005+/-178.946 χ^2/NDF: 47.5/35

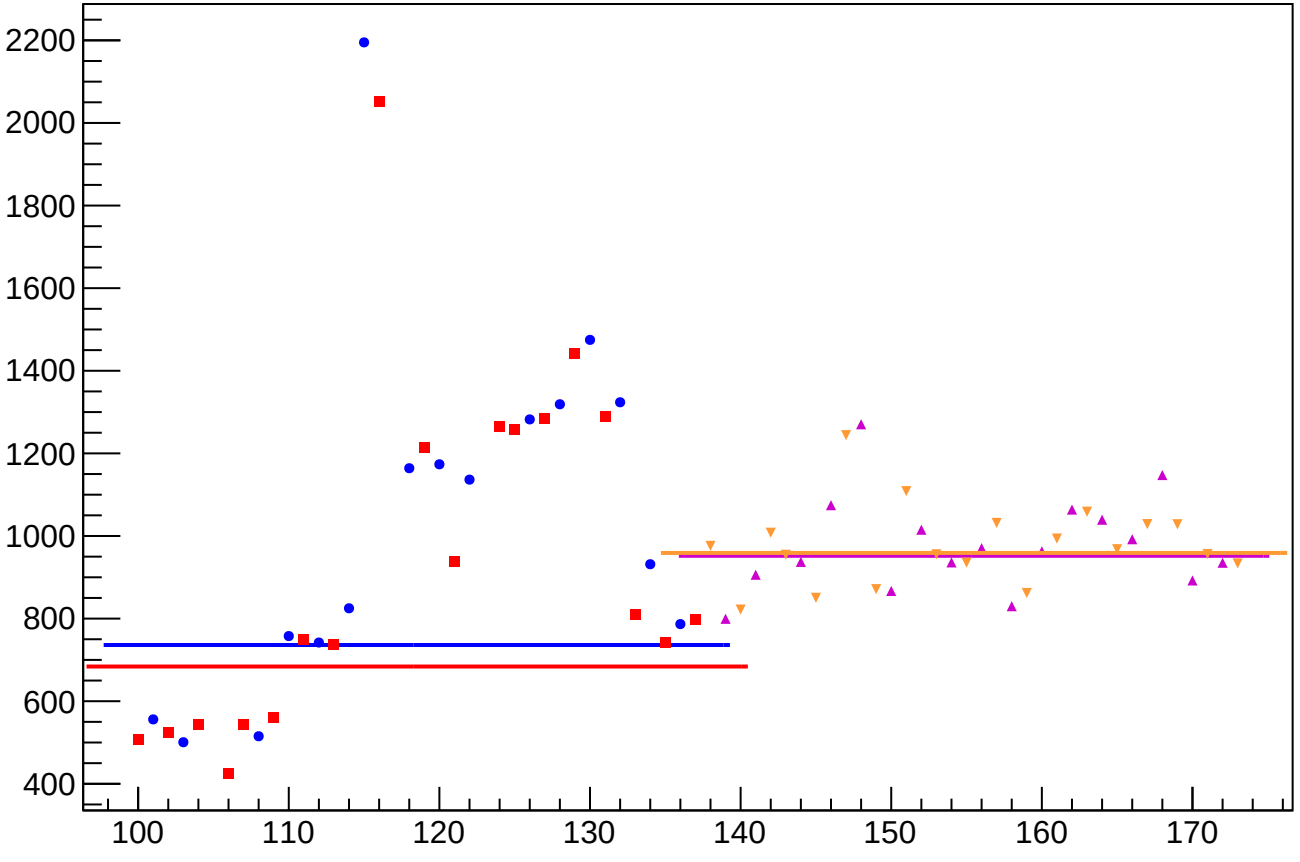
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 136.585+/-193.240 χ^2/NDF:41.4/32

Out: 23.704+/-183.241 χ^2/NDF:39.9/37

All: 77.149+/-132.965 χ^2/NDF: 81.4/70

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 959.015+/-0.176 χ^2/NDF:270709.6/18

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 952.044+/-0.182 χ^2/NDF:339759.0/16

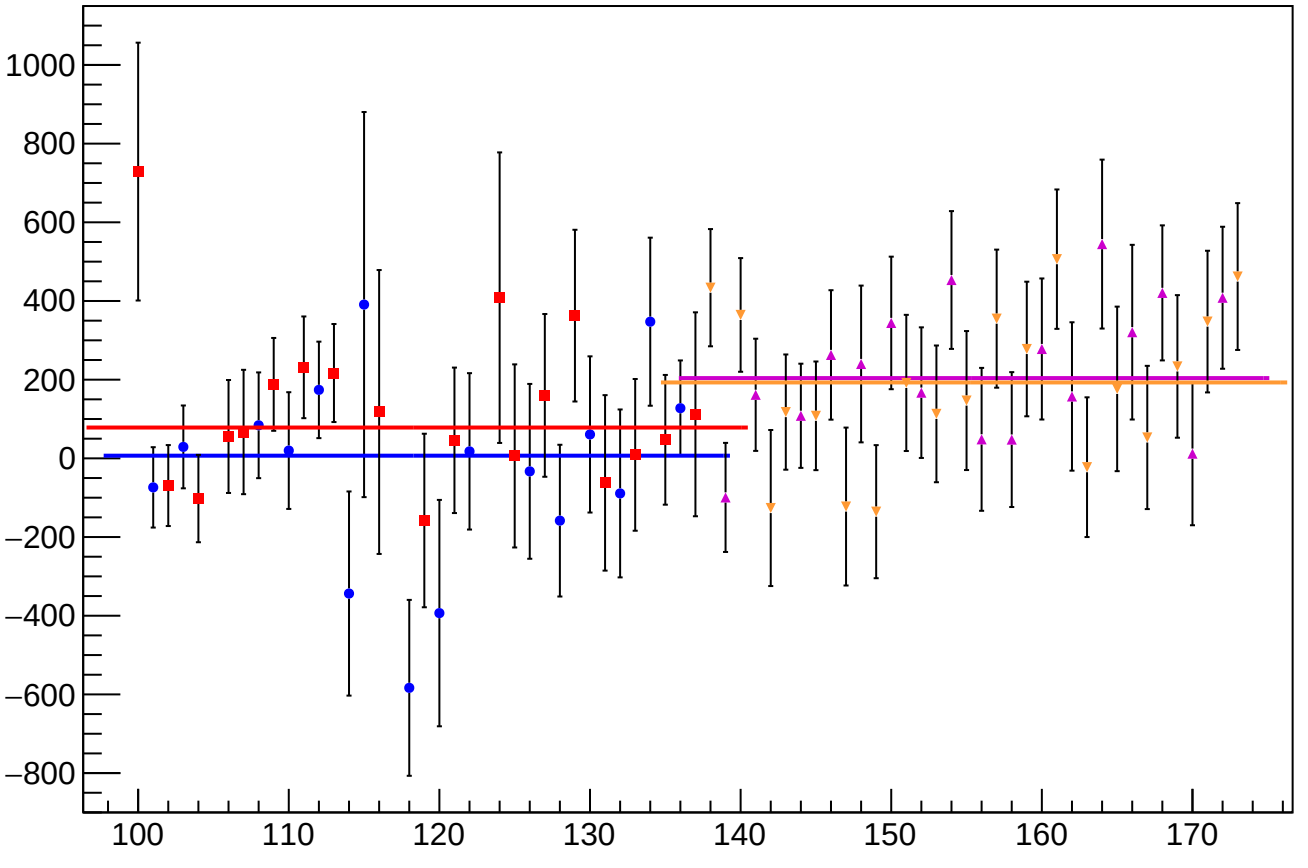
Left: 955.629+/-0.127 χ^2/NDF: 611226.9/35

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 858.411+/-0.137 χ^2/NDF:2797724.2/32

Out: 832.292+/-0.130 χ^2/NDF:3240588.3/37

All: 844.658+/-0.094 χ^2/NDF: 6057551.3/70



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 192.938+/-39.253 χ^2/NDF:22.9/18

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 204.022+/-41.348 χ^2/NDF:16.9/16

Left: 198.192+/-28.468 χ^2/NDF: 39.9/35

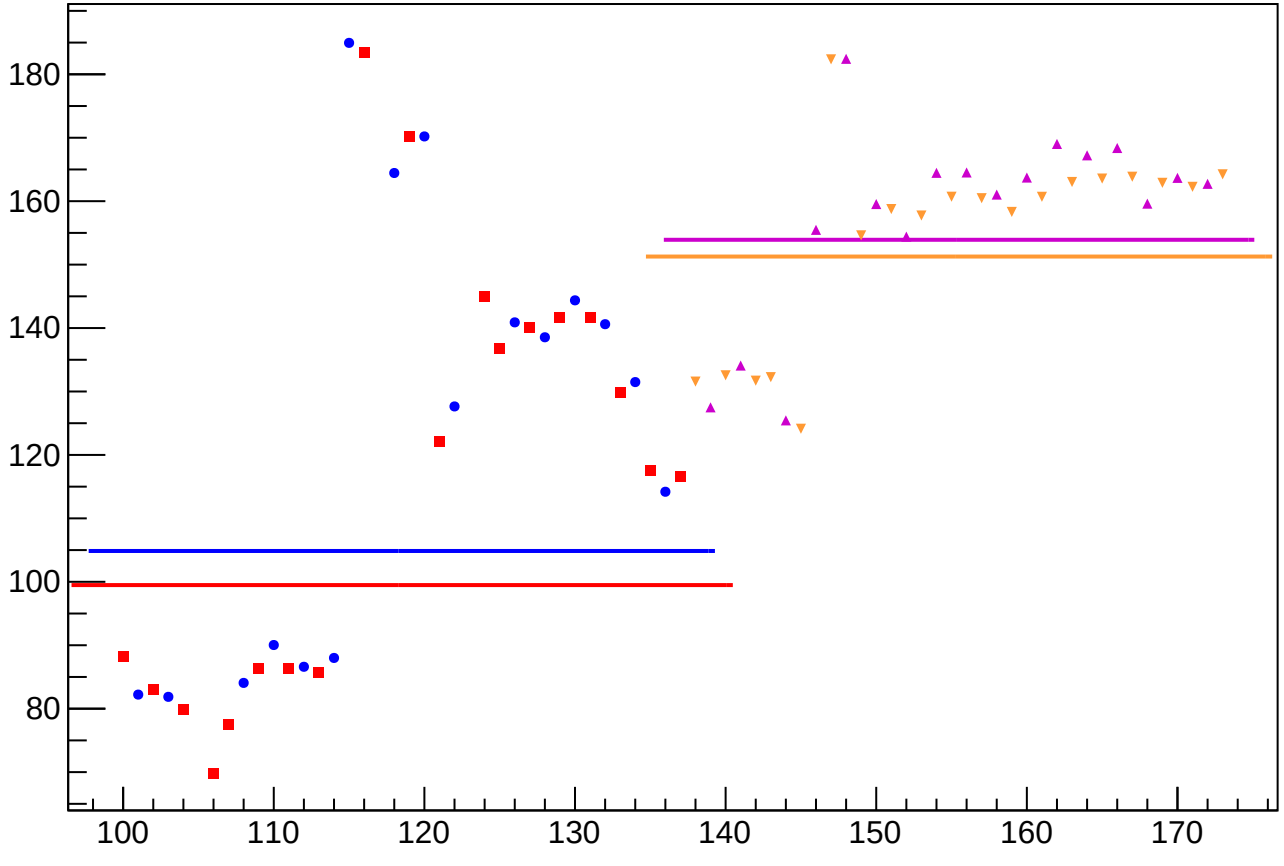
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 103.009+/-28.879 χ^2/NDF:47.3/32

Out: 133.647+/-27.268 χ^2/NDF:44.0/37

All: 119.207+/-19.827 χ^2/NDF: 92.0/70

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 151.272+/-0.028 χ^2/NDF:325100.5/18

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 153.915+/-0.029 χ^2/NDF:312454.8/16

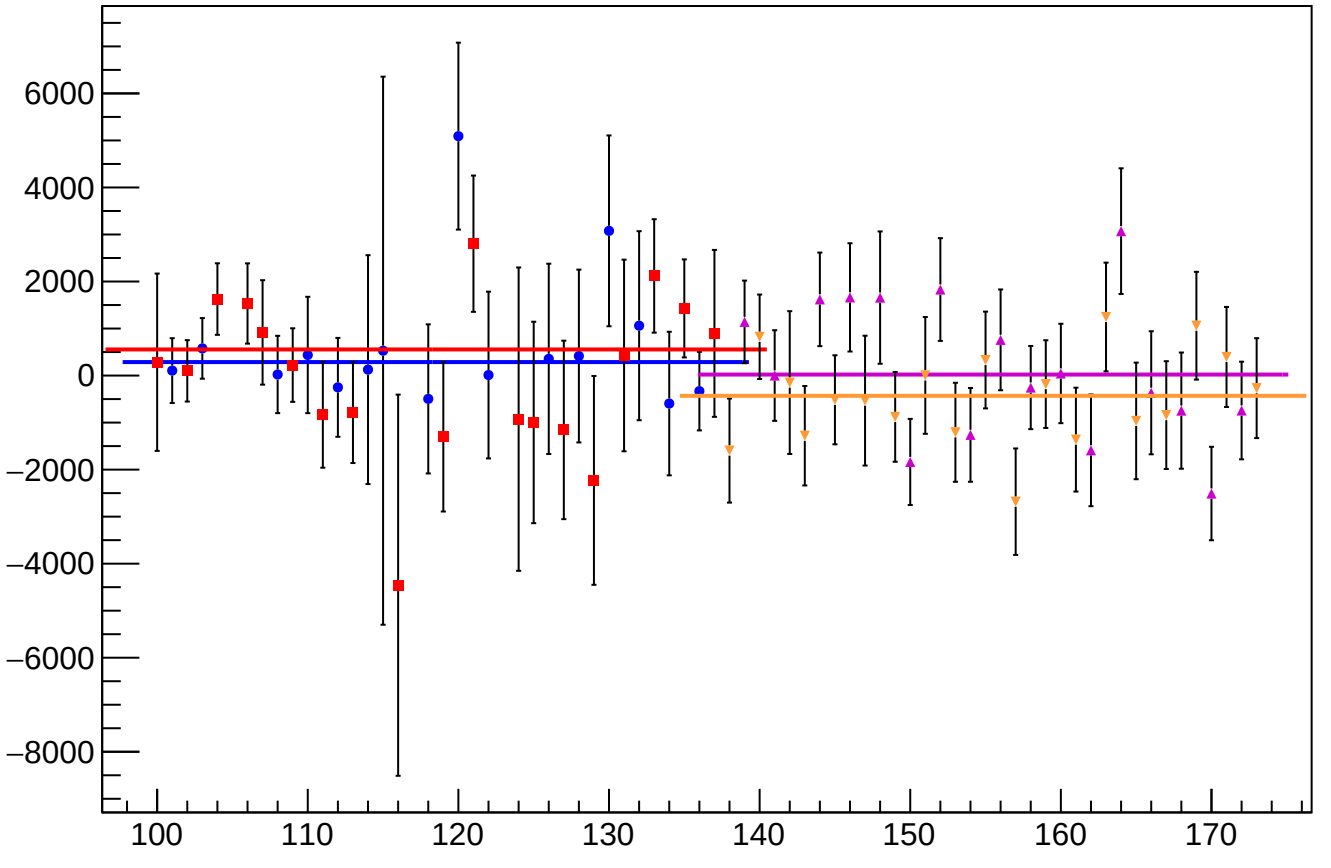
Left: 152.525+/-0.020 χ^2/NDF: 641851.8/35

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 128.790+/-0.020 χ^2/NDF:2685493.1/32

Out: 124.476+/-0.019 χ^2/NDF:3167667.5/37

All: 126.509+/-0.014 χ^2/NDF: 5876752.1/70



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -430.629+/-249.534 χ^2/NDF:14.7/18

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 21.517+/-256.756 χ^2/NDF:31.2/16

Left: -211.005+/-178.946 χ^2/NDF: 47.5/35

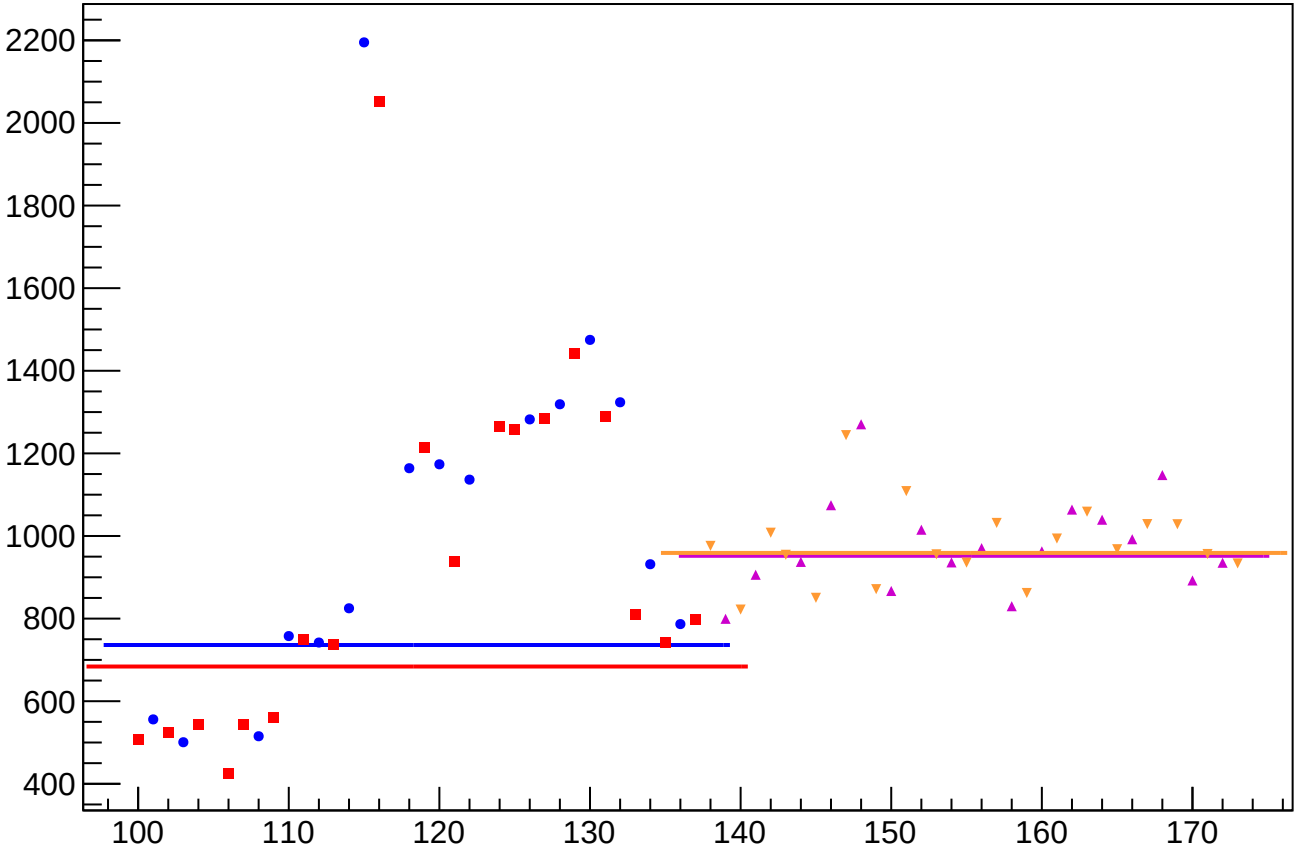
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 136.585+/-193.240 χ^2/NDF:41.4/32

Out: 23.704+/-183.241 χ^2/NDF:39.9/37

All: 77.149+/-132.965 χ^2/NDF: 81.4/70

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 959.015+/-0.176 χ^2/NDF:270709.6/18

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 952.044+/-0.182 χ^2/NDF:339759.0/16

Left: 955.629+/-0.127 χ^2/NDF: 611226.9/35

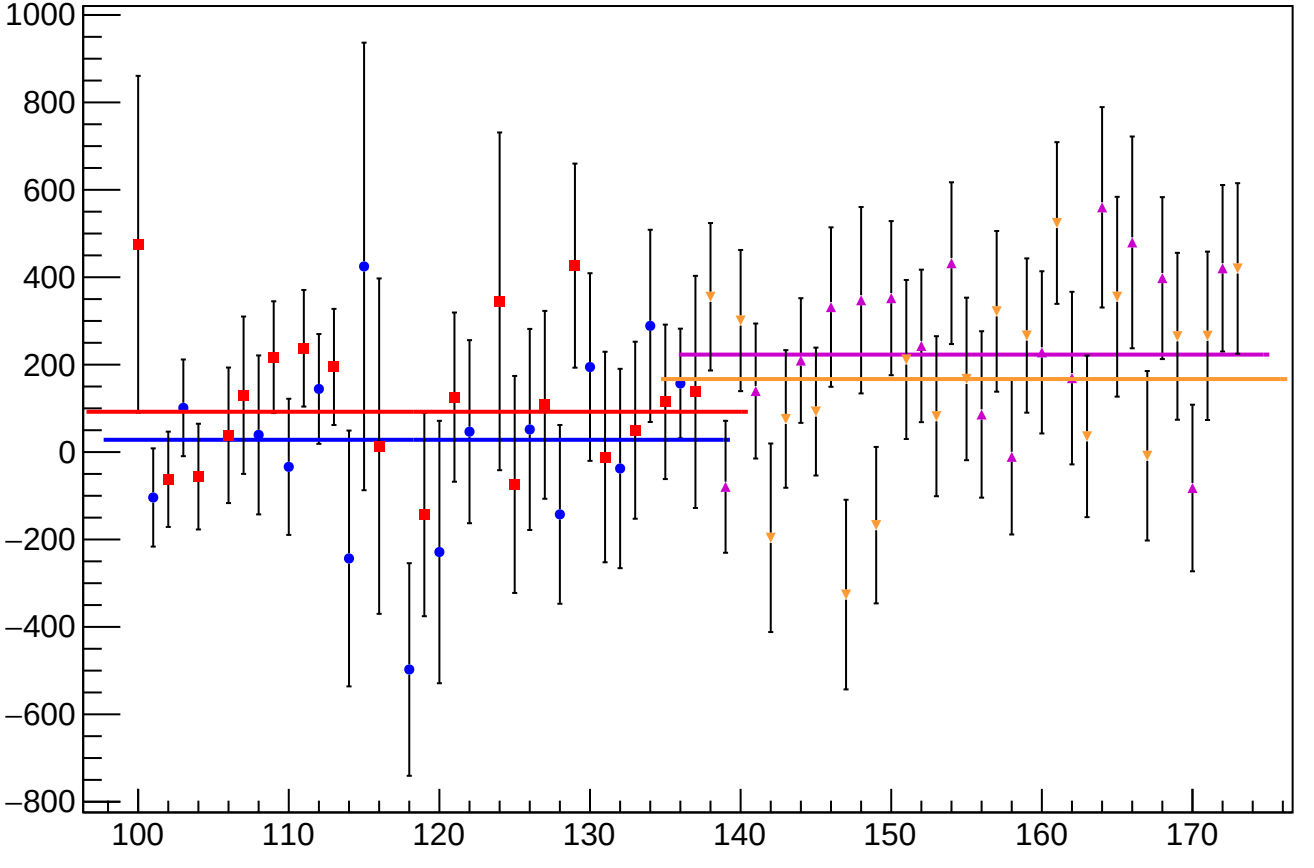
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 858.411+/-0.137 χ^2/NDF:2797724.2/32

Out: 832.292+/-0.130 χ^2/NDF:3240588.3/37

All: 844.658+/-0.094 χ^2/NDF: 6057551.3/70

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 167.068+/-41.882 χ^2/NDF:23.3/18

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 223.020+/-44.044 χ^2/NDF:17.0/16

Left: 193.637+/-30.351 χ^2/NDF: 41.1/35

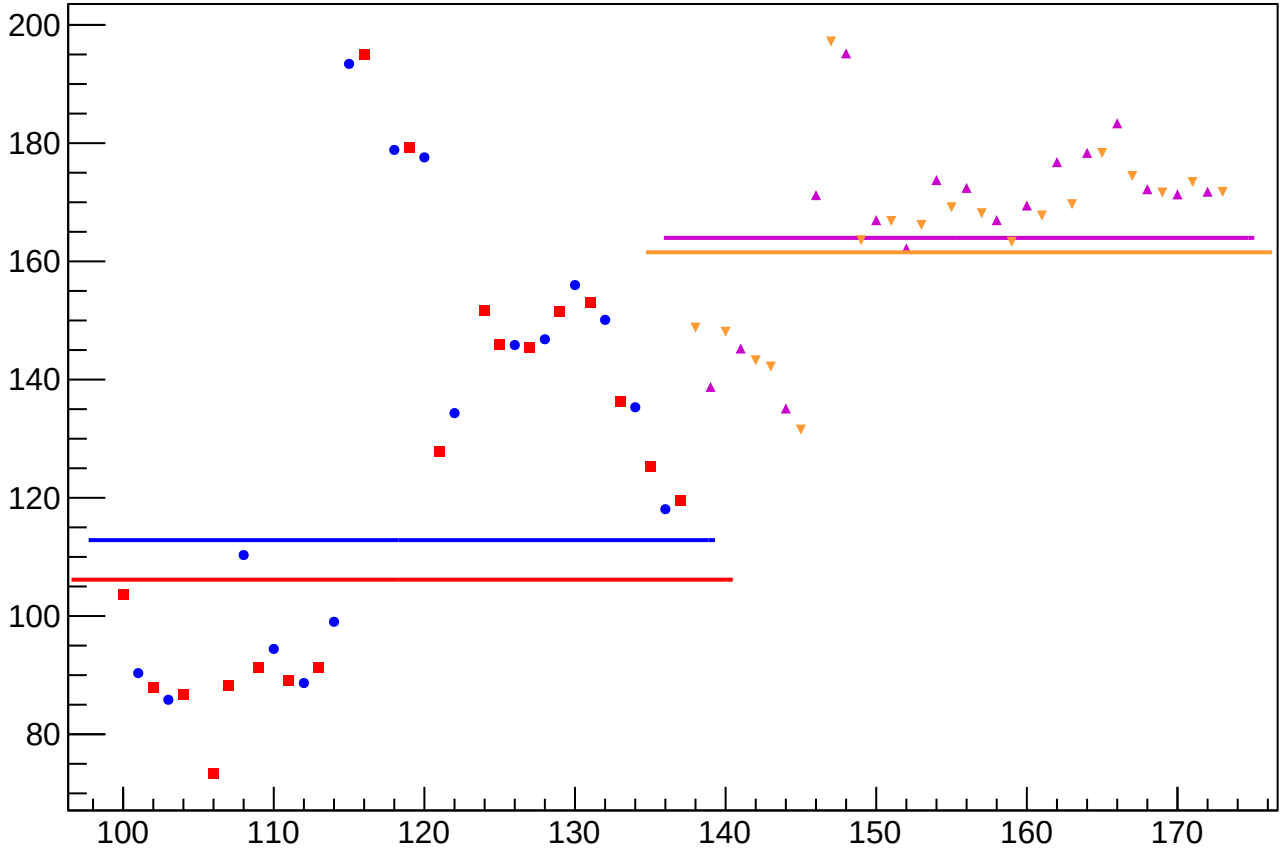
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 124.208+/-30.928 χ^2/NDF:40.5/32

Out: 128.438+/-29.129 χ^2/NDF:36.6/37

All: 126.450+/-21.204 χ^2/NDF: 77.1/70

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 161.538+/-0.030 χ^2/NDF:261805.7/18

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 163.973+/-0.031 χ^2/NDF:265132.4/16

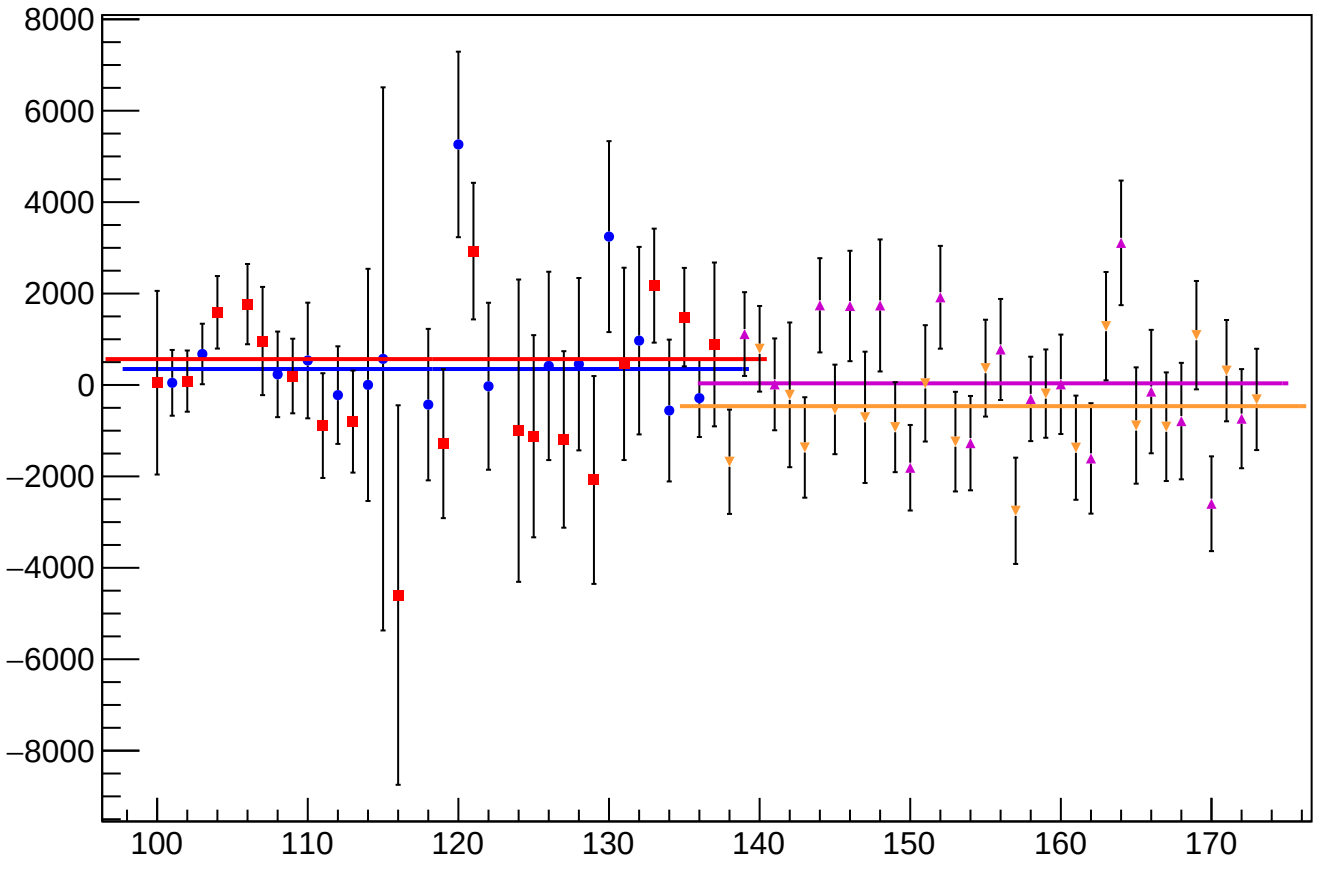
Left: 162.694+/-0.021 χ^2/NDF: 530146.4/35

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 138.054+/-0.022 χ^2/NDF:2503652.5/32

Out: 132.946+/-0.021 χ^2/NDF:3069355.2/37

All: 135.347+/-0.015 χ^2/NDF: 5601913.3/70



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -463.456+/-258.171 χ^2/NDF:14.4/18

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 35.999+/-265.703 χ^2/NDF:30.7/16

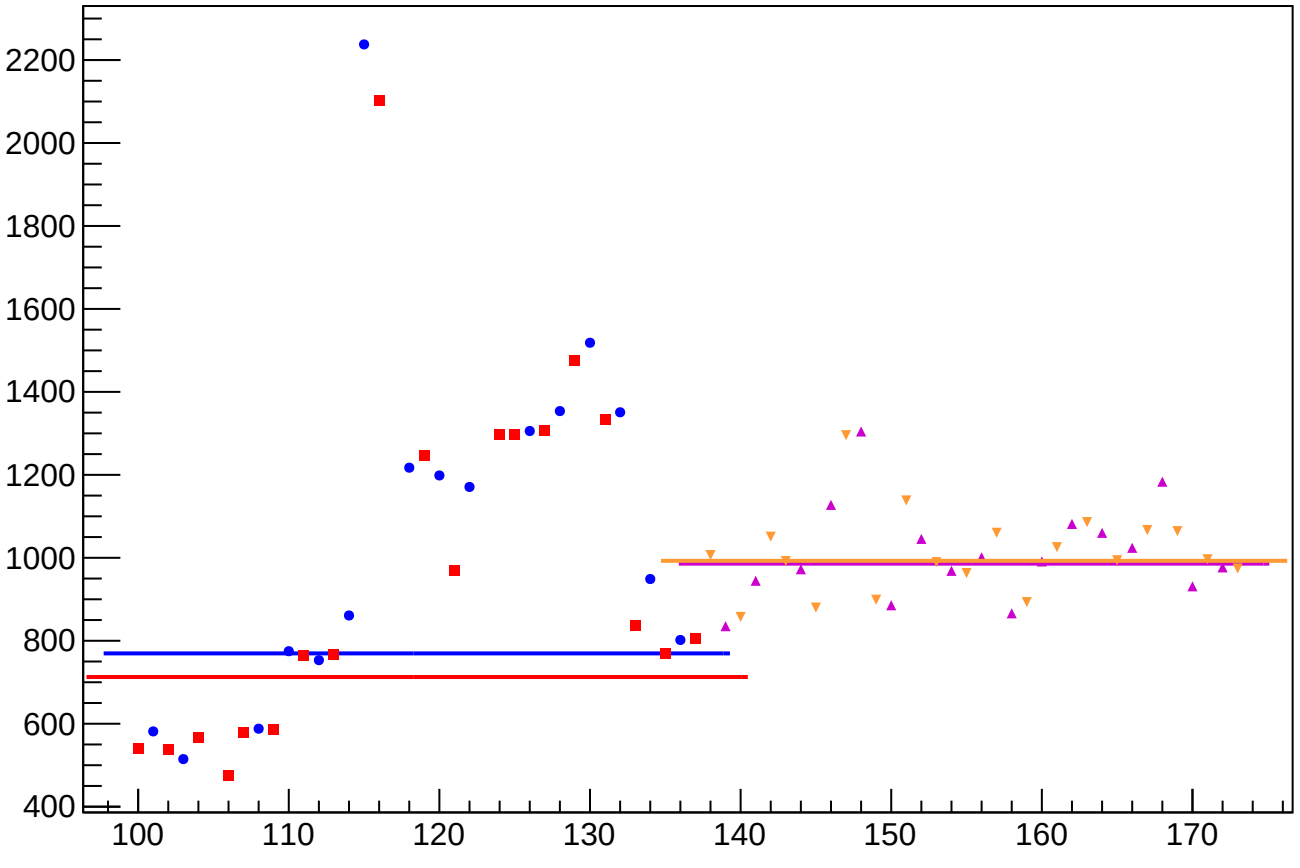
Left: -220.908+/-185.160 χ^2/NDF: 46.9/35

Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 170.932+/-200.436 χ^2/NDF:41.1/32

Out: 11.027+/-189.559 χ^2/NDF:40.0/37

All: 86.523+/-137.723 χ^2/NDF: 81.5/70



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 992.755+/-0.183 χ^2/NDF:263769.8/18

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 985.914+/-0.188 χ^2/NDF:319887.3/16

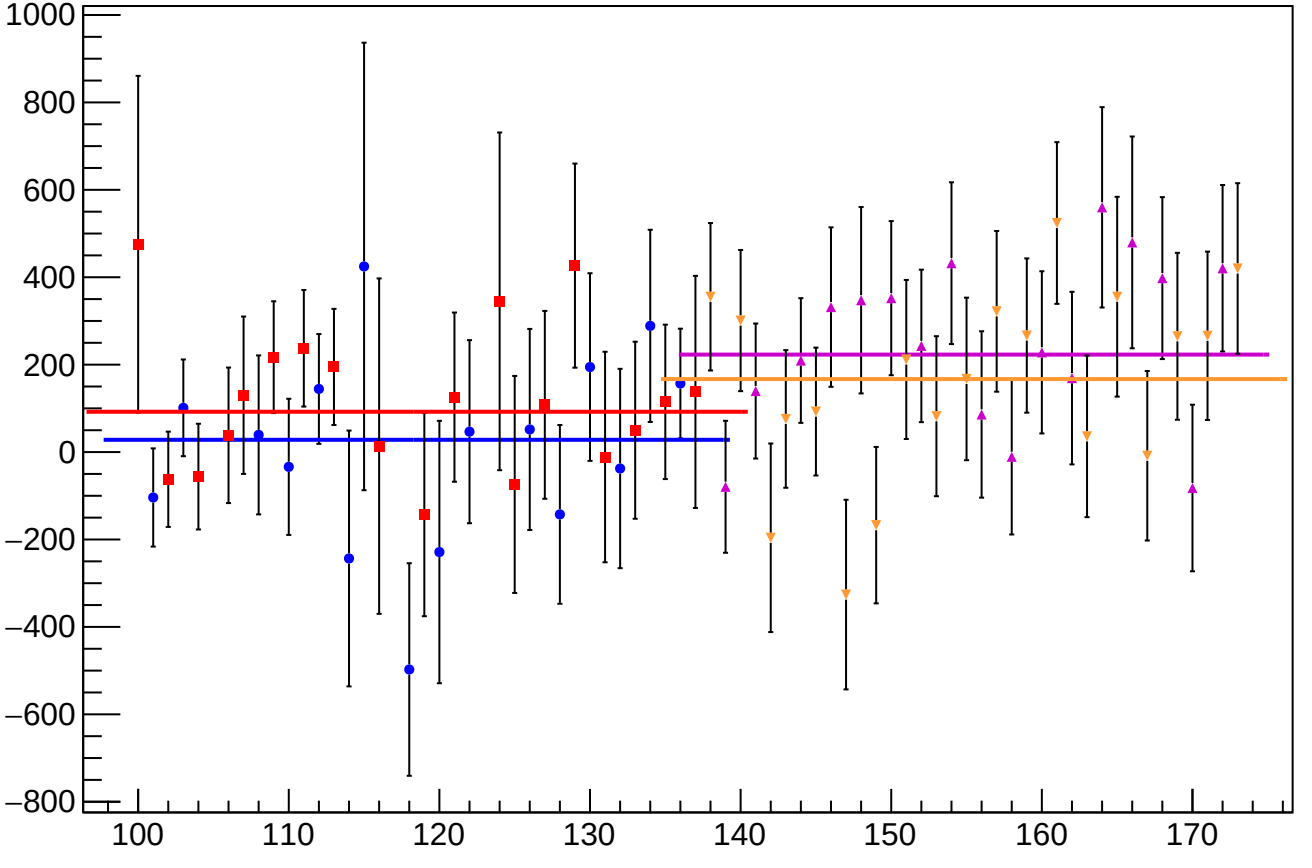
Left: 989.433+/-0.131 χ^2/NDF: 584339.1/35

Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 892.677+/-0.142 χ^2/NDF:2631293.2/32

Out: 863.646+/-0.134 χ^2/NDF:3116232.0/37

All: 877.353+/-0.097 χ^2/NDF: 5769672.1/70



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 167.069+/-41.882 χ^2/NDF:23.3/18

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 223.021+/-44.044 χ^2/NDF:17.0/16

Left: 193.638+/-30.351 χ^2/NDF: 41.1/35

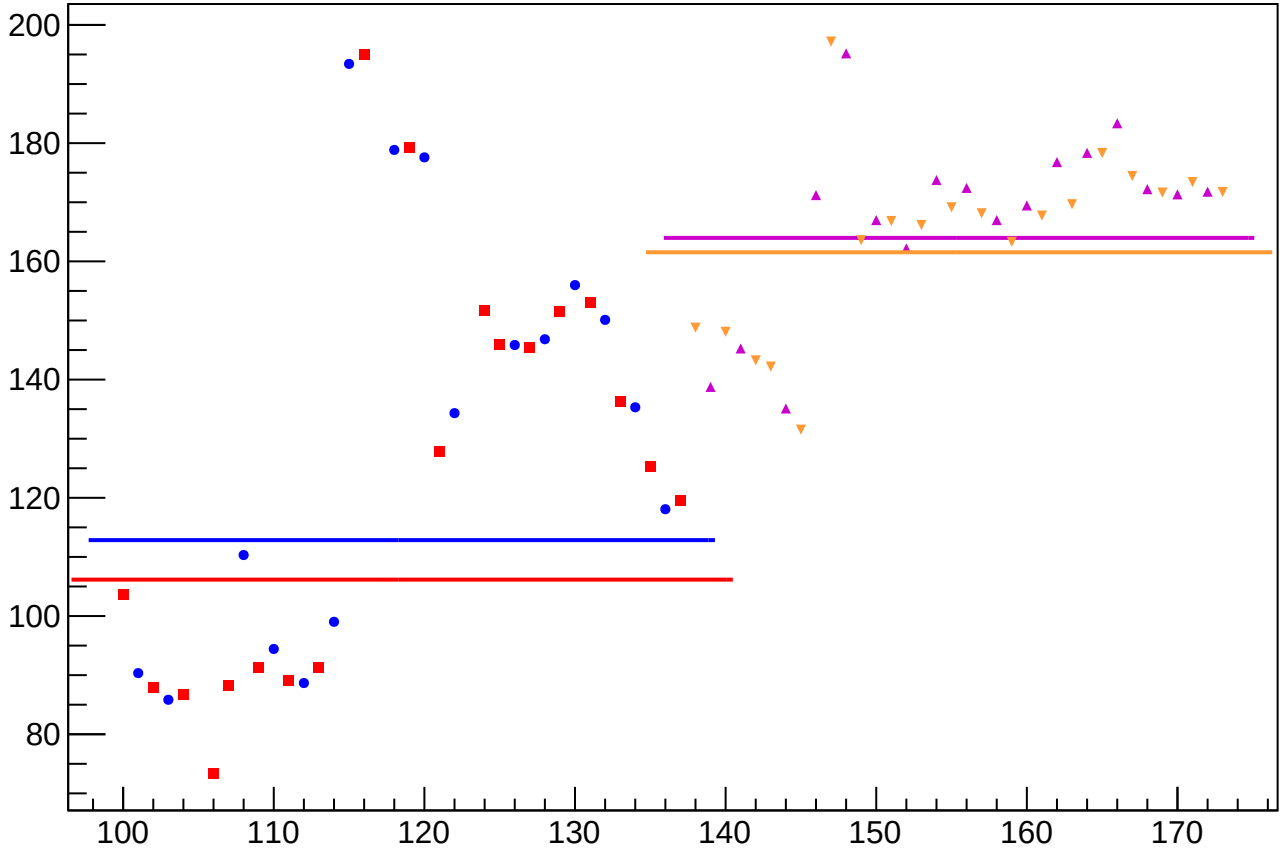
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 124.208+/-30.928 χ^2/NDF:40.5/32

Out: 128.439+/-29.128 χ^2/NDF:36.6/37

All: 126.450+/-21.204 χ^2/NDF: 77.1/70

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 161.539+/-0.030 χ^2/NDF:261806.1/18

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 163.973+/-0.031 χ^2/NDF:265126.9/16

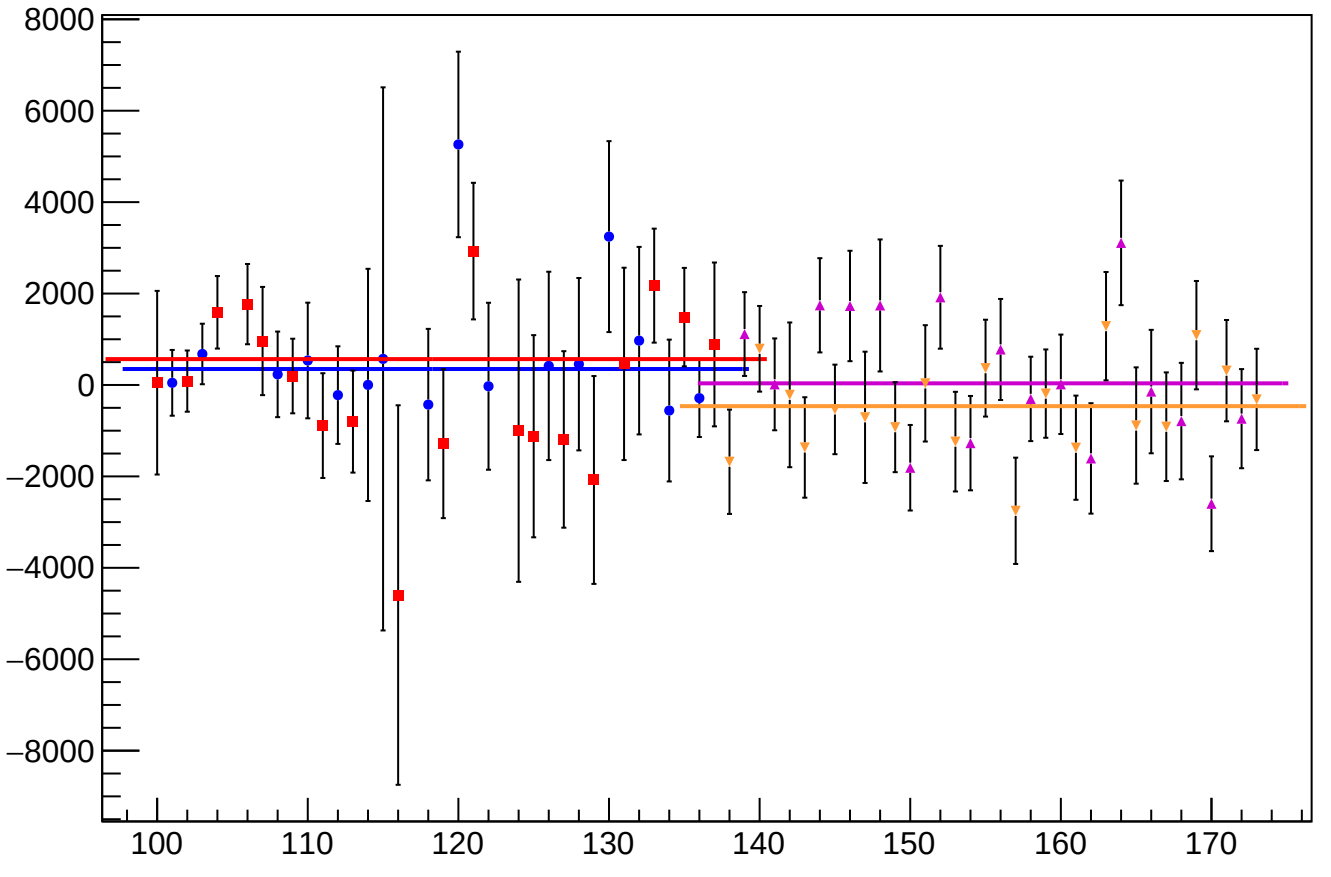
Left: 162.694+/-0.021 χ^2/NDF: 530141.5/35

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 138.054+/-0.022 χ^2/NDF:2503673.6/32

Out: 132.946+/-0.021 χ^2/NDF:3069371.9/37

All: 135.347+/-0.015 χ^2/NDF: 5601951.1/70



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -463.455+/-258.172 χ^2/NDF:14.4/18

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 35.999+/-265.704 χ^2/NDF:30.7/16

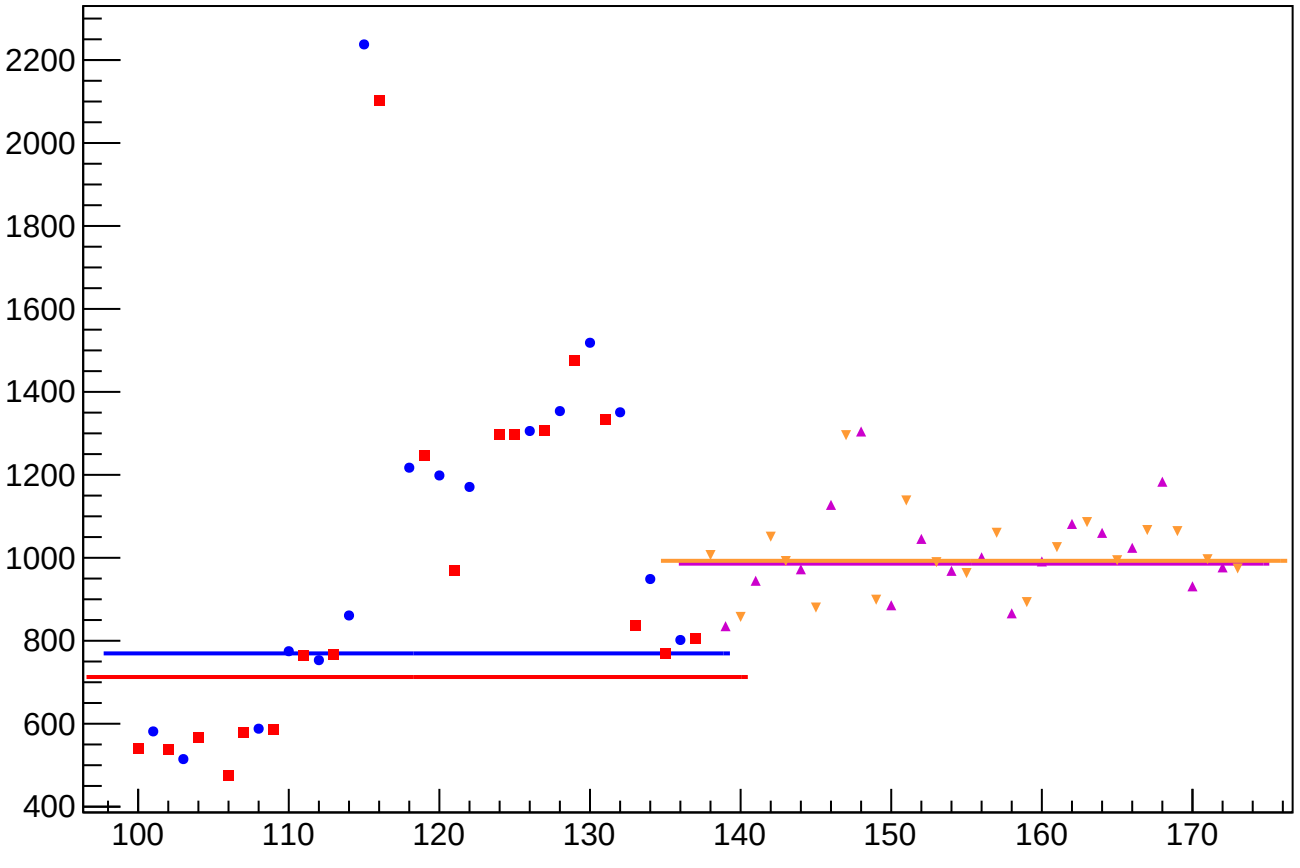
Left: -220.908+/-185.161 χ^2/NDF: 46.9/35

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 170.933+/-200.436 χ^2/NDF:41.1/32

Out: 11.028+/-189.559 χ^2/NDF:40.0/37

All: 86.524+/-137.723 χ^2/NDF: 81.5/70



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 992.757+/-0.183 χ^2/NDF:263769.6/18

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 985.915+/-0.188 χ^2/NDF:319886.1/16

Left: 989.434+/-0.131 χ^2/NDF: 584337.8/35

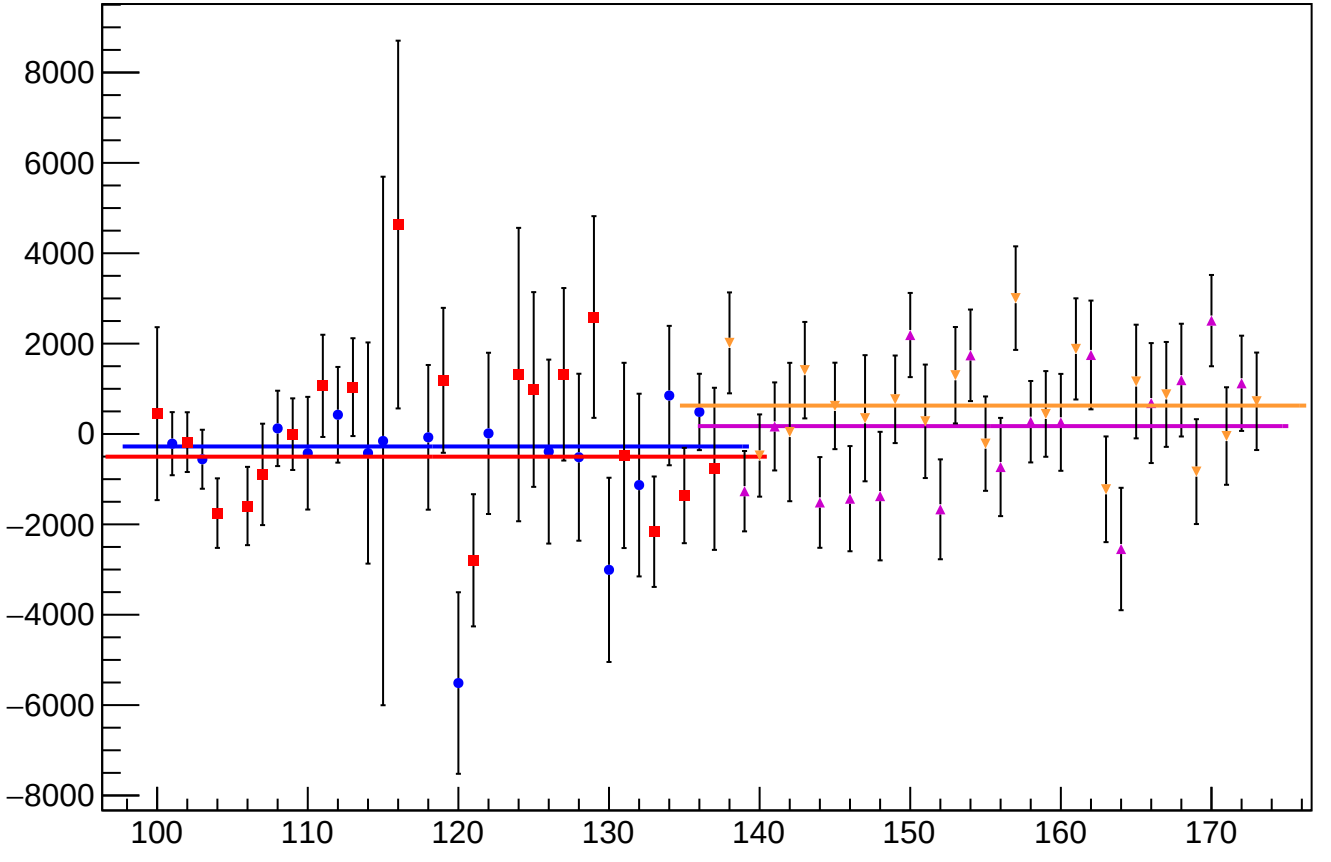
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 892.677+/-0.142 χ^2/NDF:2631302.9/32

Out: 863.646+/-0.134 χ^2/NDF:3116246.3/37

All: 877.352+/-0.097 χ^2/NDF: 5769696.1/70

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 628.601+/-252.778 χ^2/NDF:15.2/18

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: 174.431+/-260.287 χ^2/NDF:31.8/16

Left: 408.161+/-181.338 χ^2/NDF: 48.6/35

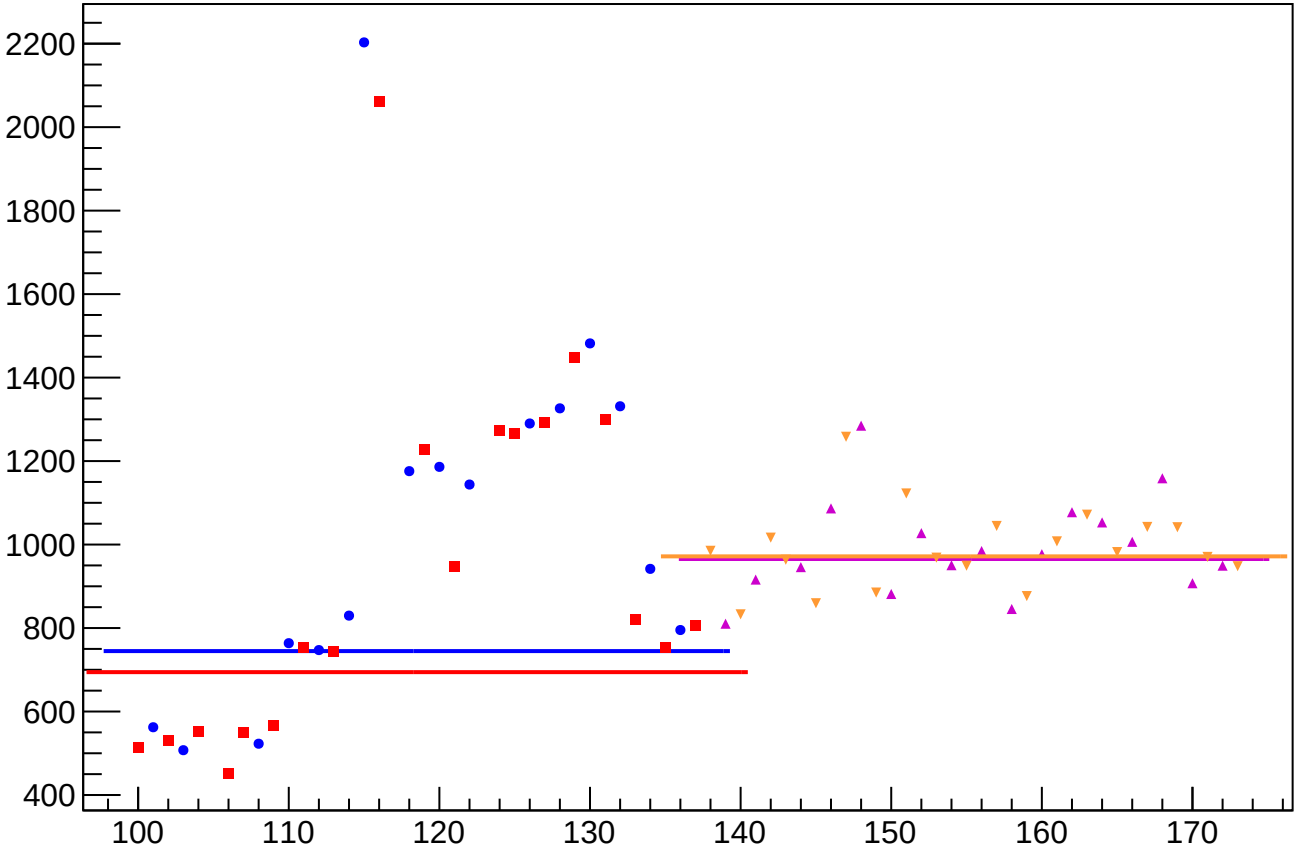
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -21.543+/-195.668 χ^2/NDF:44.2/32

Out: 106.707+/-185.476 χ^2/NDF:44.9/37

All: 46.009+/-134.610 χ^2/NDF: 89.3/70

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 971.709+/-0.179 χ^2/NDF:266858.5/18

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 965.424+/-0.184 χ^2/NDF:331003.1/16

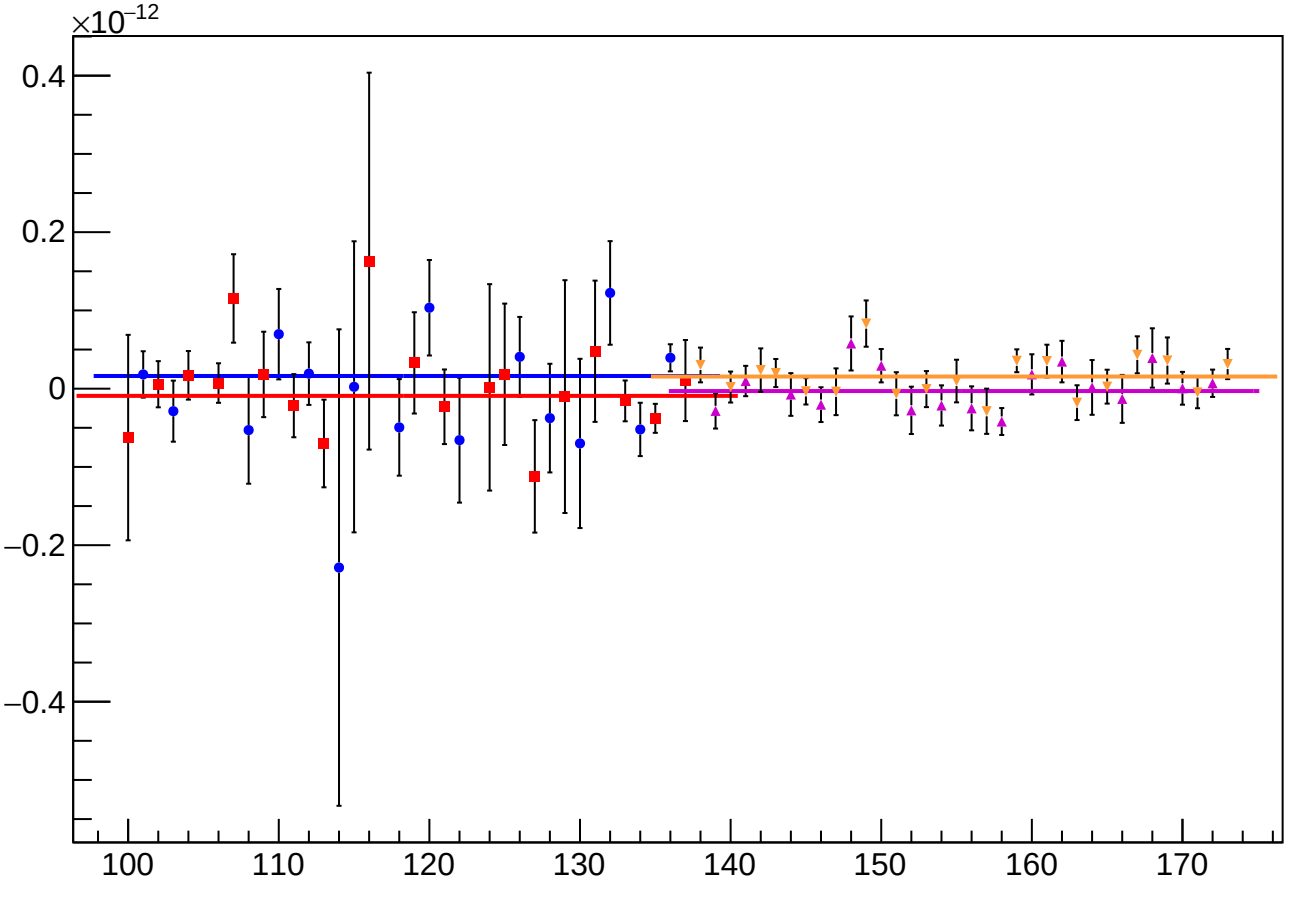
Left: 968.659+/-0.128 χ^2/NDF: 598461.7/35

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 869.470+/-0.138 χ^2/NDF:2778554.0/32

Out: 843.676+/-0.131 χ^2/NDF:3182127.4/37

All: 855.883+/-0.095 χ^2/NDF: 5978987.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.5/18

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:19.1/16

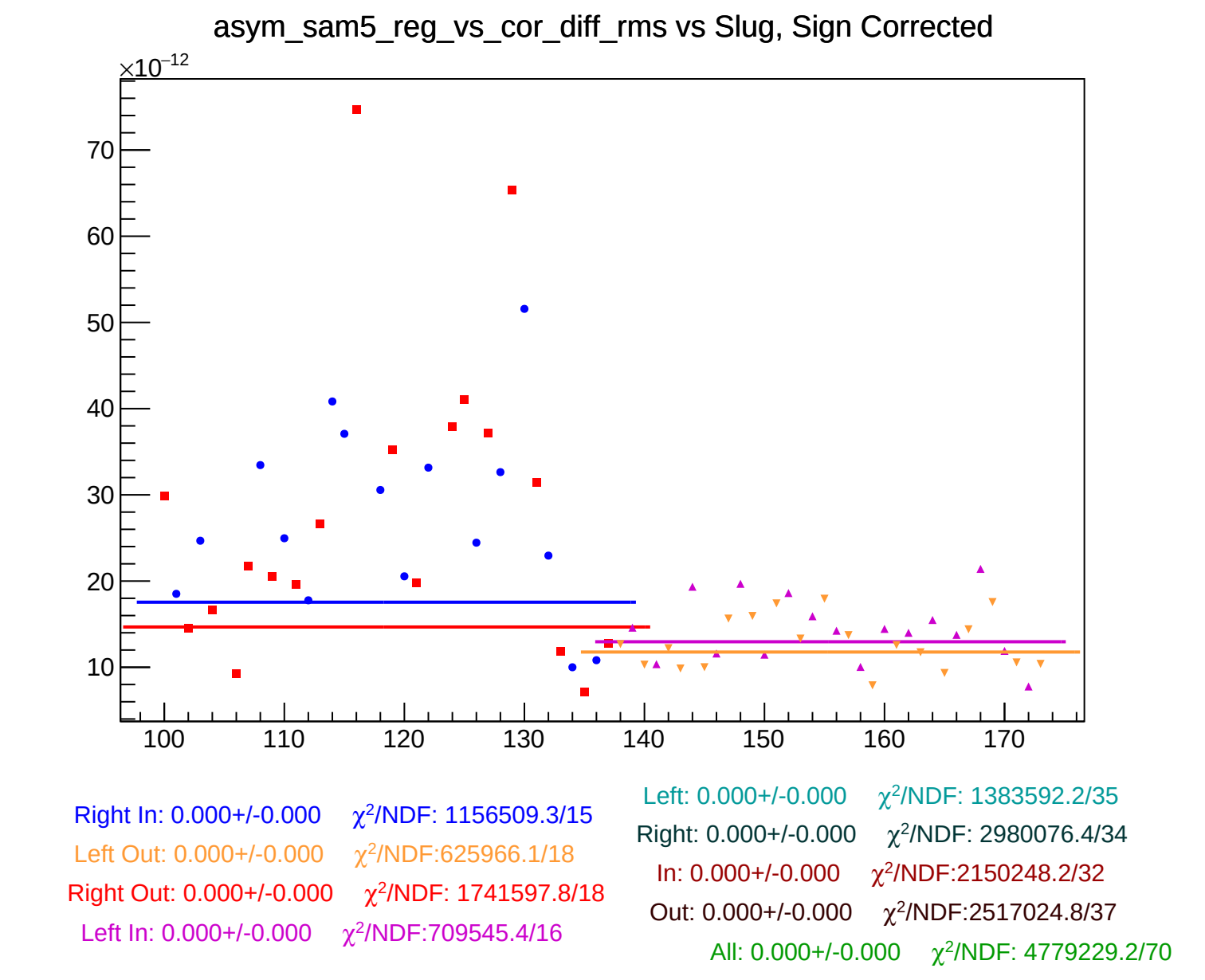
Left: 0.000+/-0.000 χ^2/NDF: 45.3/35

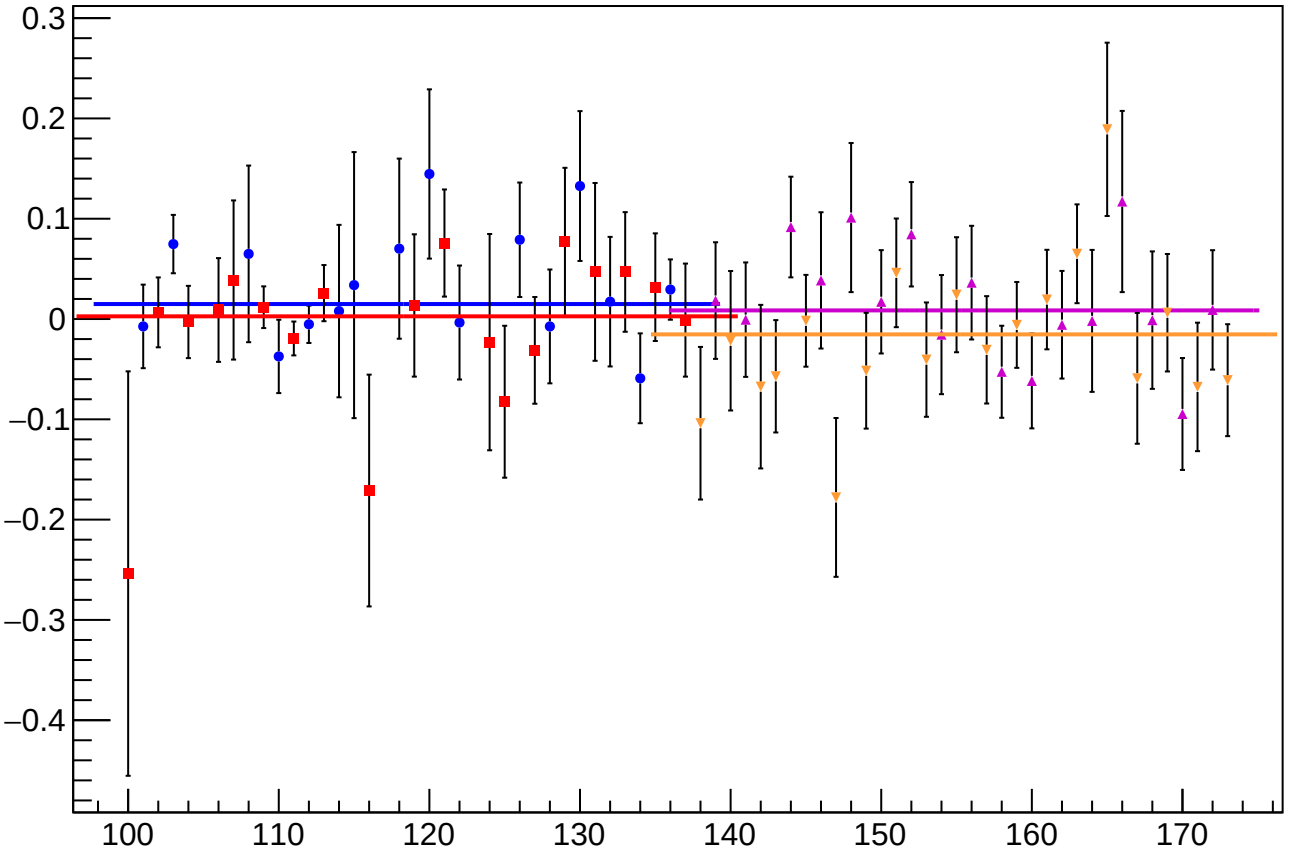
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:39.5/32

Out: 0.000+/-0.000 χ^2/NDF:40.0/37

All: 0.000+/-0.000 χ^2/NDF: 81.1/70


asym_sam5_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:625966.1/18
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:709545.4/16
Left: 0.000+/-0.000 χ²/NDF: 1383592.2/35
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:2150248.2/32
Out: 0.000+/-0.000 χ²/NDF:2517024.8/37
All: 0.000+/-0.000 χ²/NDF: 4779229.2/70



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/18

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.009+/-0.014 χ^2/NDF:16.1/16

Left: -0.004+/-0.010 χ^2/NDF: 37.4/35

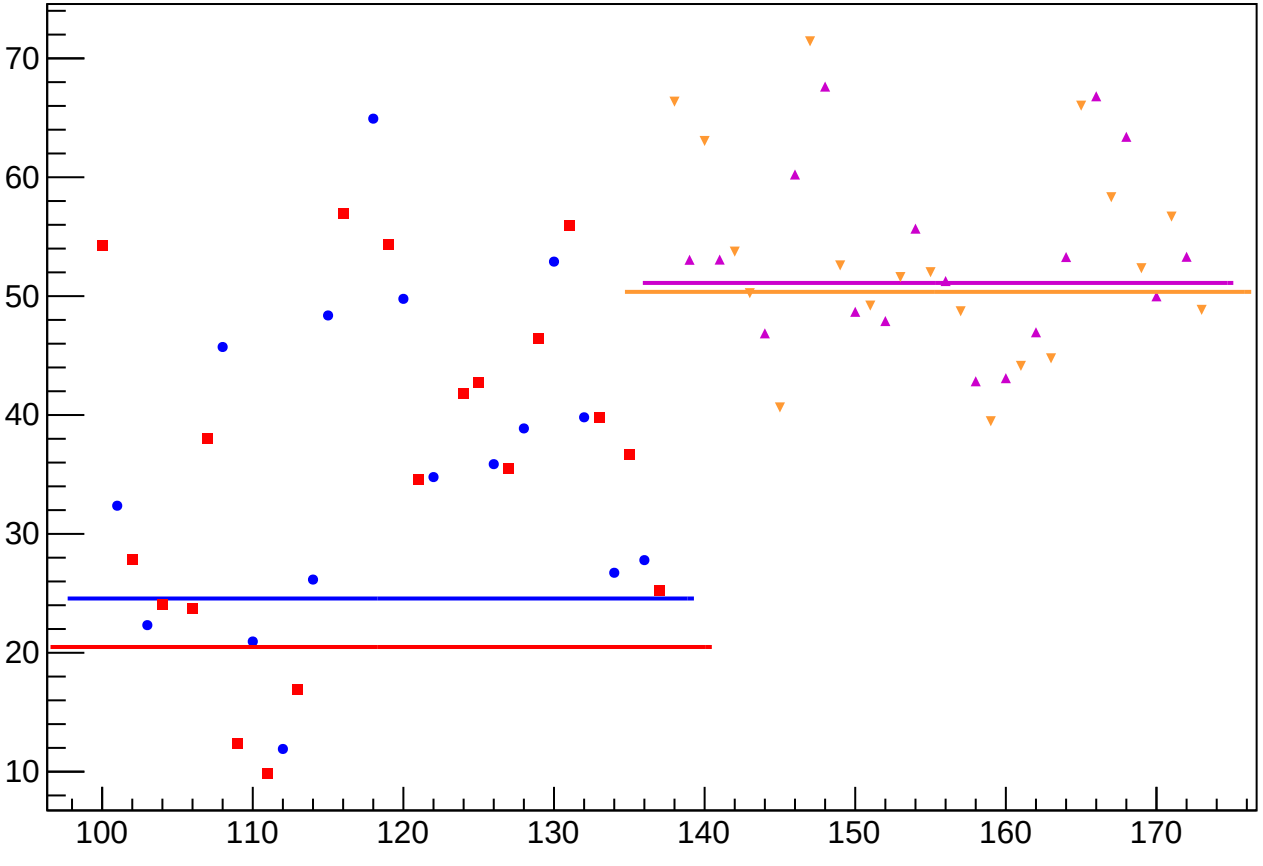
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.013+/-0.008 χ^2/NDF:34.0/32

Out: -0.003+/-0.008 χ^2/NDF:33.5/37

All: 0.004+/-0.006 χ^2/NDF: 69.4/70

asym_sam5_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.360+/-0.009 χ^2/NDF:704140.2/18

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.111+/-0.010 χ^2/NDF:442060.9/16

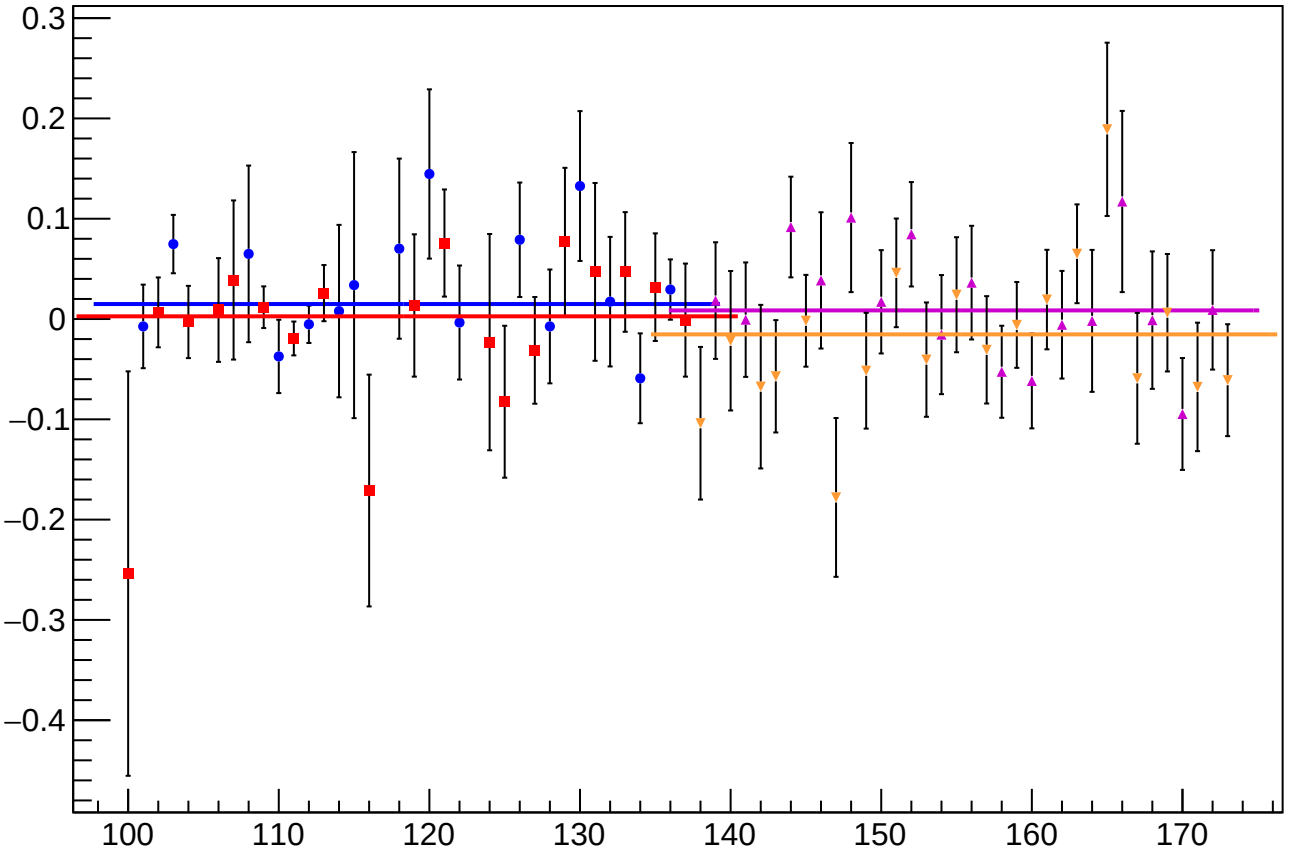
Left: 50.717+/-0.007 χ^2/NDF: 1149244.4/35

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 34.277+/-0.006 χ^2/NDF:7525906.3/32

Out: 30.220+/-0.005 χ^2/NDF:11118955.4/37

All: 32.032+/-0.004 χ^2/NDF: 18901056.1/70



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/18

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.009+/-0.014 χ^2/NDF:16.1/16

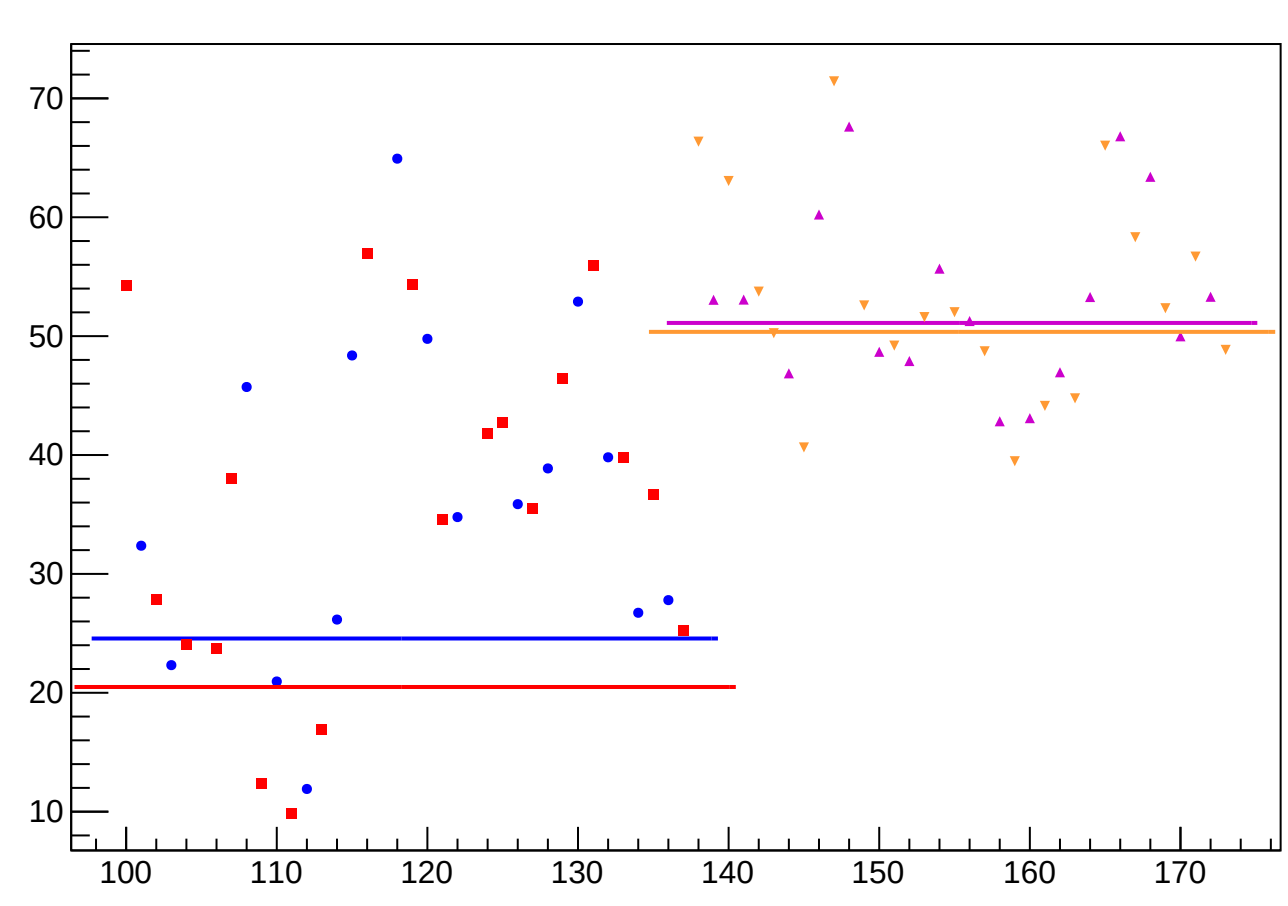
Left: -0.004+/-0.010 χ^2/NDF: 37.4/35

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.013+/-0.008 χ^2/NDF:34.0/32

Out: -0.003+/-0.008 χ^2/NDF:33.5/37

All: 0.004+/-0.006 χ^2/NDF: 69.4/70



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.360+/-0.009 χ^2/NDF:704140.2/18

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.111+/-0.010 χ^2/NDF:442060.9/16

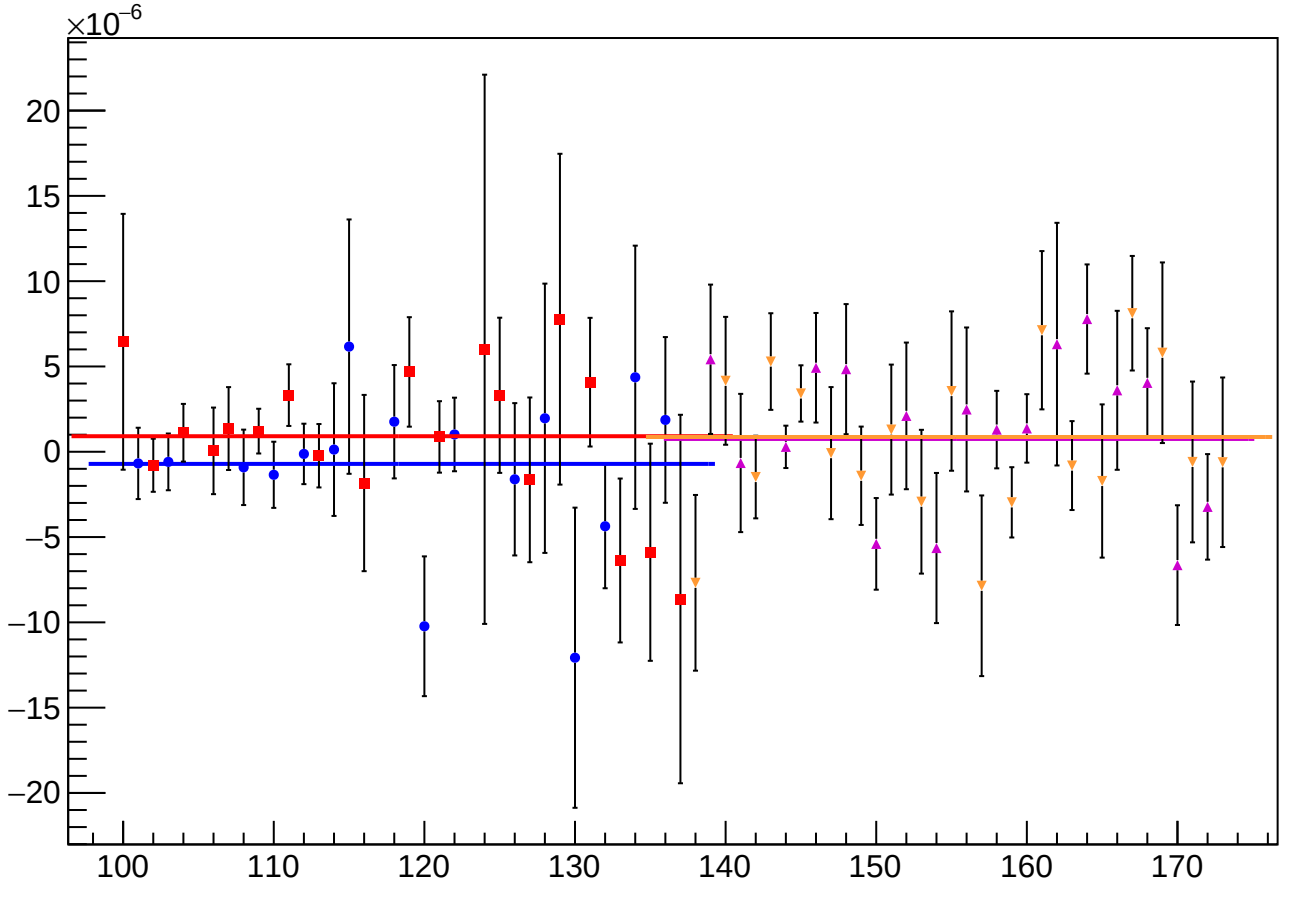
Left: 50.717+/-0.007 χ^2/NDF: 1149244.4/35

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 34.277+/-0.006 χ^2/NDF:7525906.3/32

Out: 30.220+/-0.005 χ^2/NDF:11118955.4/37

All: 32.032+/-0.004 χ^2/NDF: 18901056.1/70



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:24.9/16

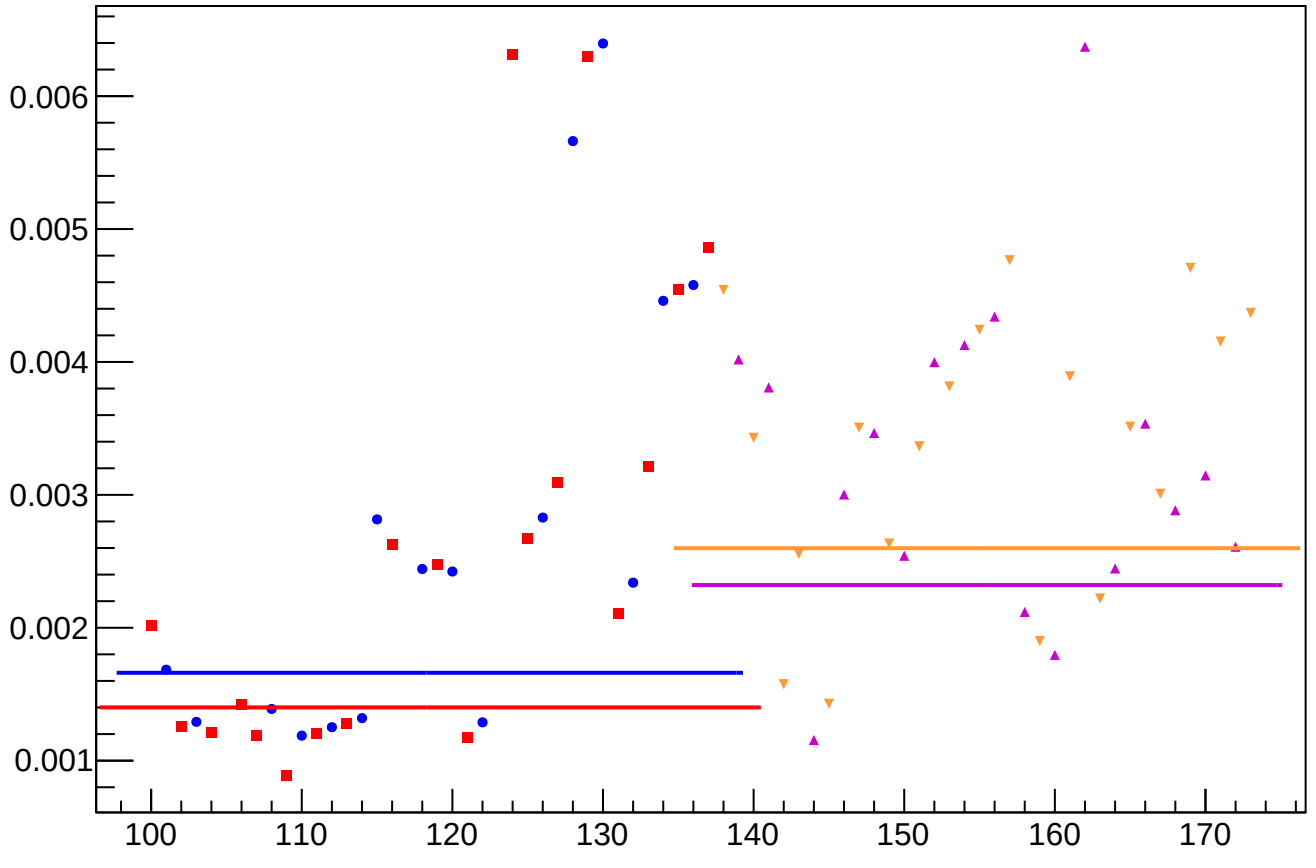
Left: 0.000+/-0.000 χ^2/NDF: 50.5/35

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: 0.000+/-0.000 χ^2/NDF:38.4/32

Out: 0.000+/-0.000 χ^2/NDF:37.5/37

All: 0.000+/-0.000 χ^2/NDF: 77.5/70



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:4015958.2/18

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:4741094.5/16

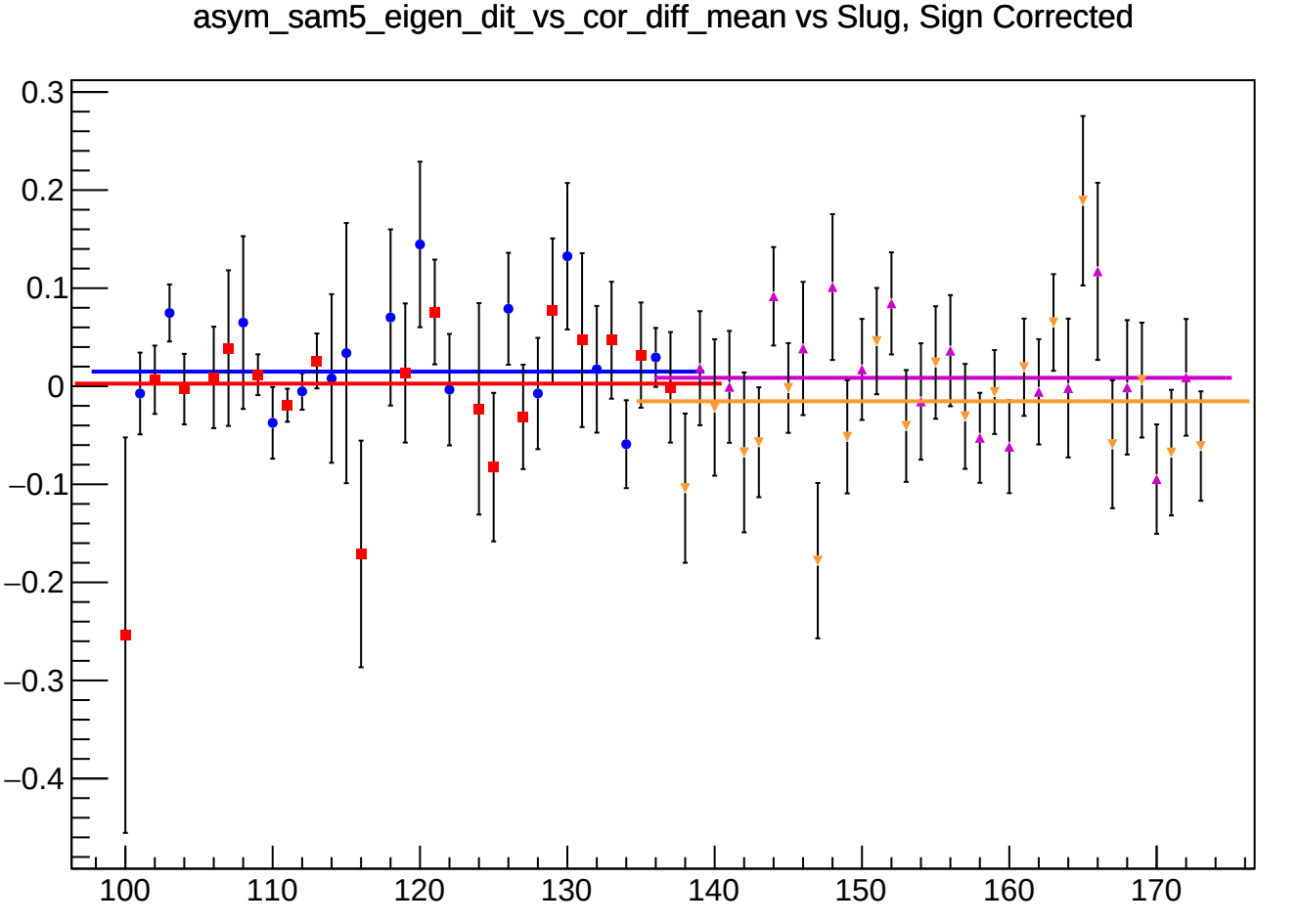
Left: 0.002+/-0.000 χ^2/NDF: 8908694.7/35

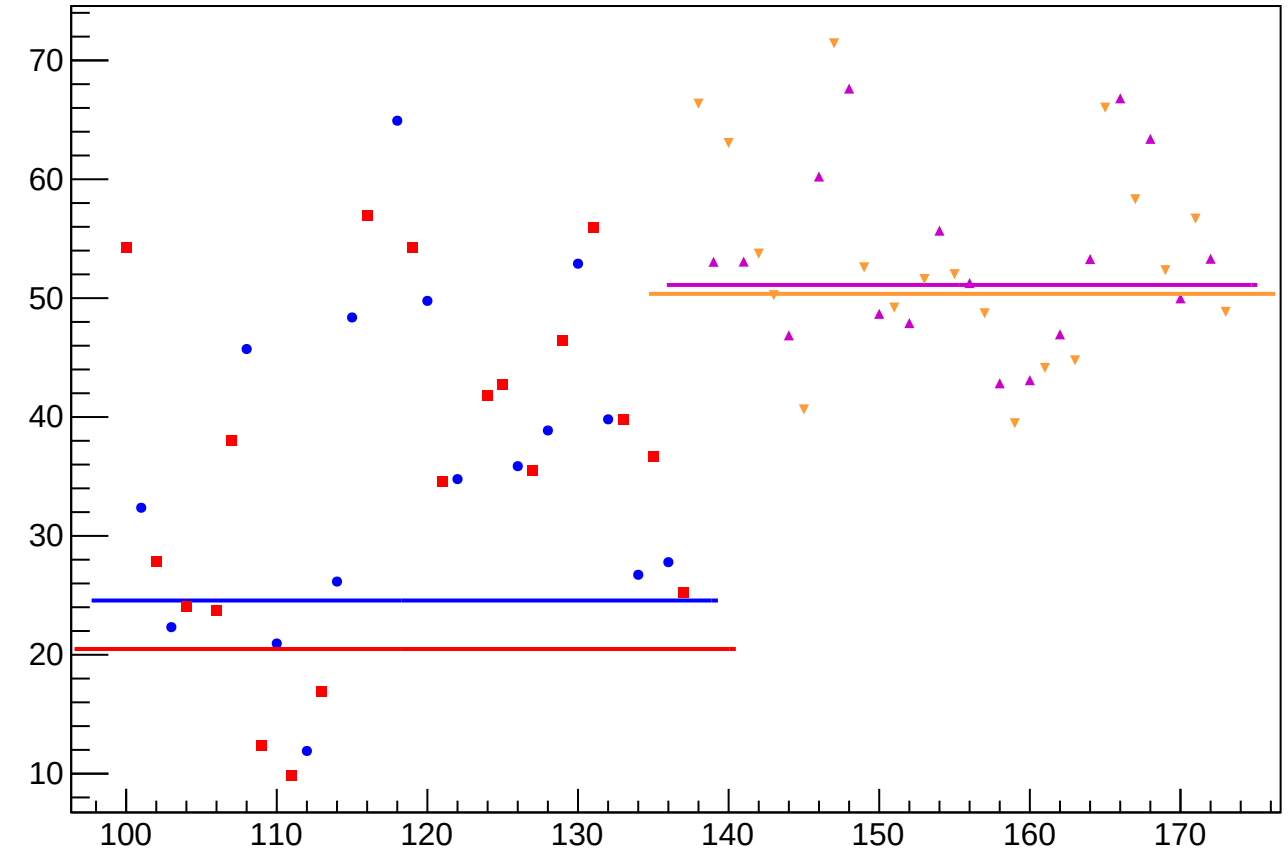
Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:8586511.6/32

Out: 0.002+/-0.000 χ^2/NDF:10176976.9/37

All: 0.002+/-0.000 χ^2/NDF: 18836111.1/70


asym_sam5_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
100
110
120
130
140
150
160
170
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.015+/-0.013 χ²/NDF:19.8/18
Right Out: 0.003+/-0.009 χ²/NDF: 12.5/18
Left In: 0.009+/-0.014 χ²/NDF:16.1/16
Left: -0.004+/-0.010 χ²/NDF: 37.4/35
Right: 0.008+/-0.007 χ²/NDF: 31.0/34
In: 0.013+/-0.008 χ²/NDF:34.0/32
Out: -0.003+/-0.008 χ²/NDF:33.5/37
All: 0.004+/-0.006 χ²/NDF: 69.4/70



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.360+/-0.009 χ^2/NDF:704260.2/18

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 51.111+/-0.010 χ^2/NDF:442159.9/16

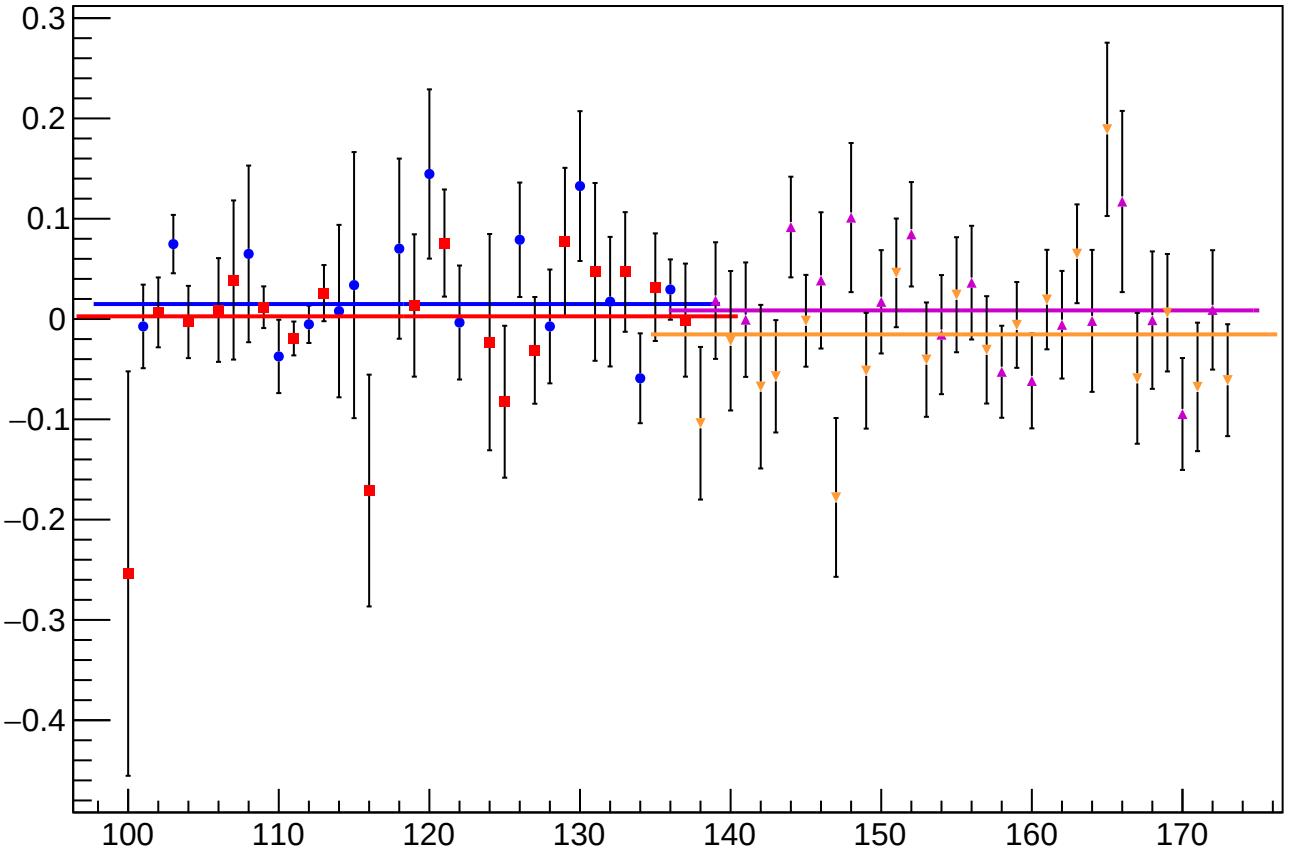
Left: 50.717+/-0.007 χ^2/NDF: 1149462.8/35

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 34.276+/-0.006 χ^2/NDF:7526180.3/32

Out: 30.219+/-0.005 χ^2/NDF:11119412.2/37

All: 32.032+/-0.004 χ^2/NDF: 18901801.8/70



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/18

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.009+/-0.014 χ^2/NDF:16.1/16

Left: -0.004+/-0.010 χ^2/NDF: 37.4/35

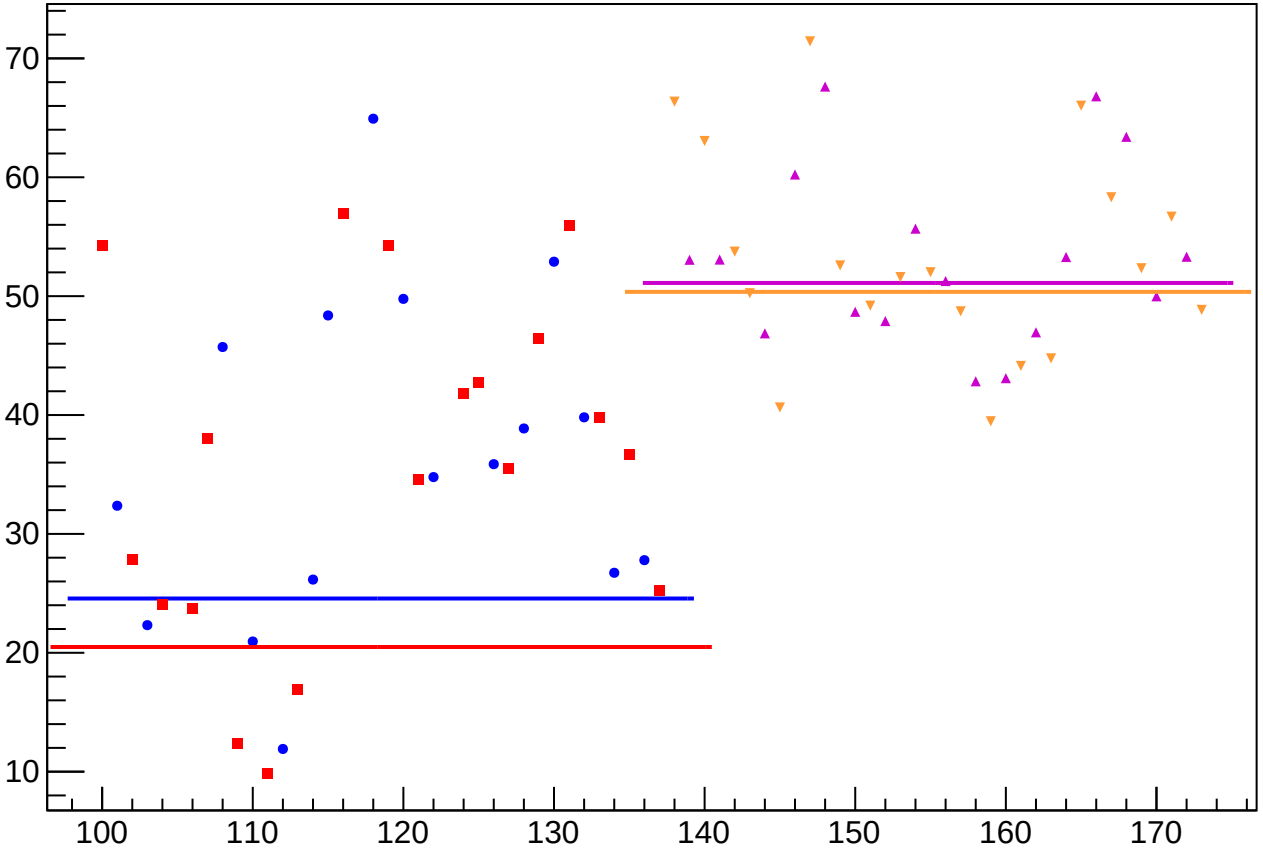
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.013+/-0.008 χ^2/NDF:34.0/32

Out: -0.003+/-0.008 χ^2/NDF:33.5/37

All: 0.004+/-0.006 χ^2/NDF: 69.4/70

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.360+/-0.009 χ^2/NDF:704260.2/18

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 51.111+/-0.010 χ^2/NDF:442159.9/16

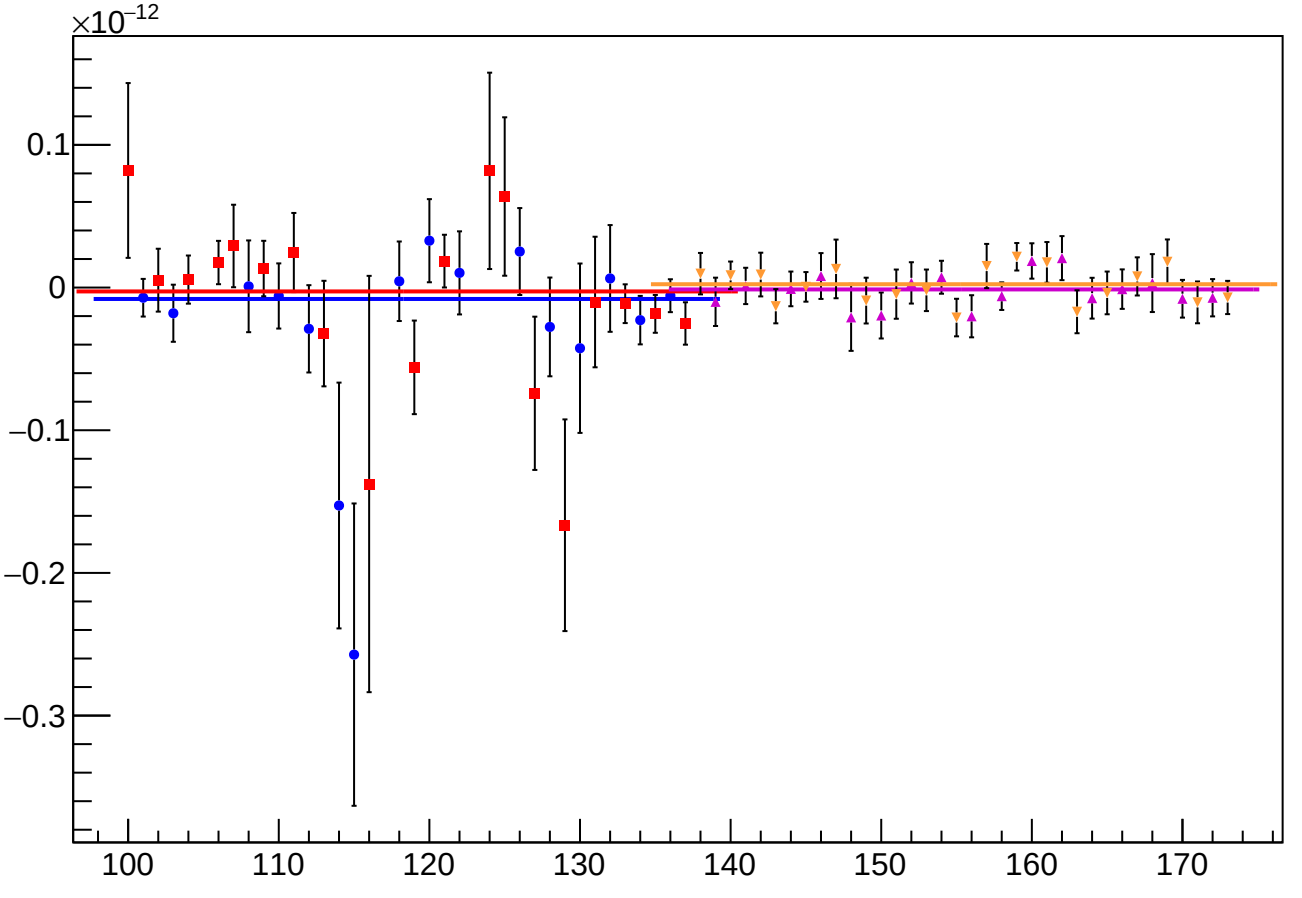
Left: 50.717+/-0.007 χ^2/NDF: 1149462.8/35

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 34.276+/-0.006 χ^2/NDF:7526180.3/32

Out: 30.219+/-0.005 χ^2/NDF:11119412.2/37

All: 32.032+/-0.004 χ^2/NDF: 18901801.8/70



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.9/18

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:10.4/16

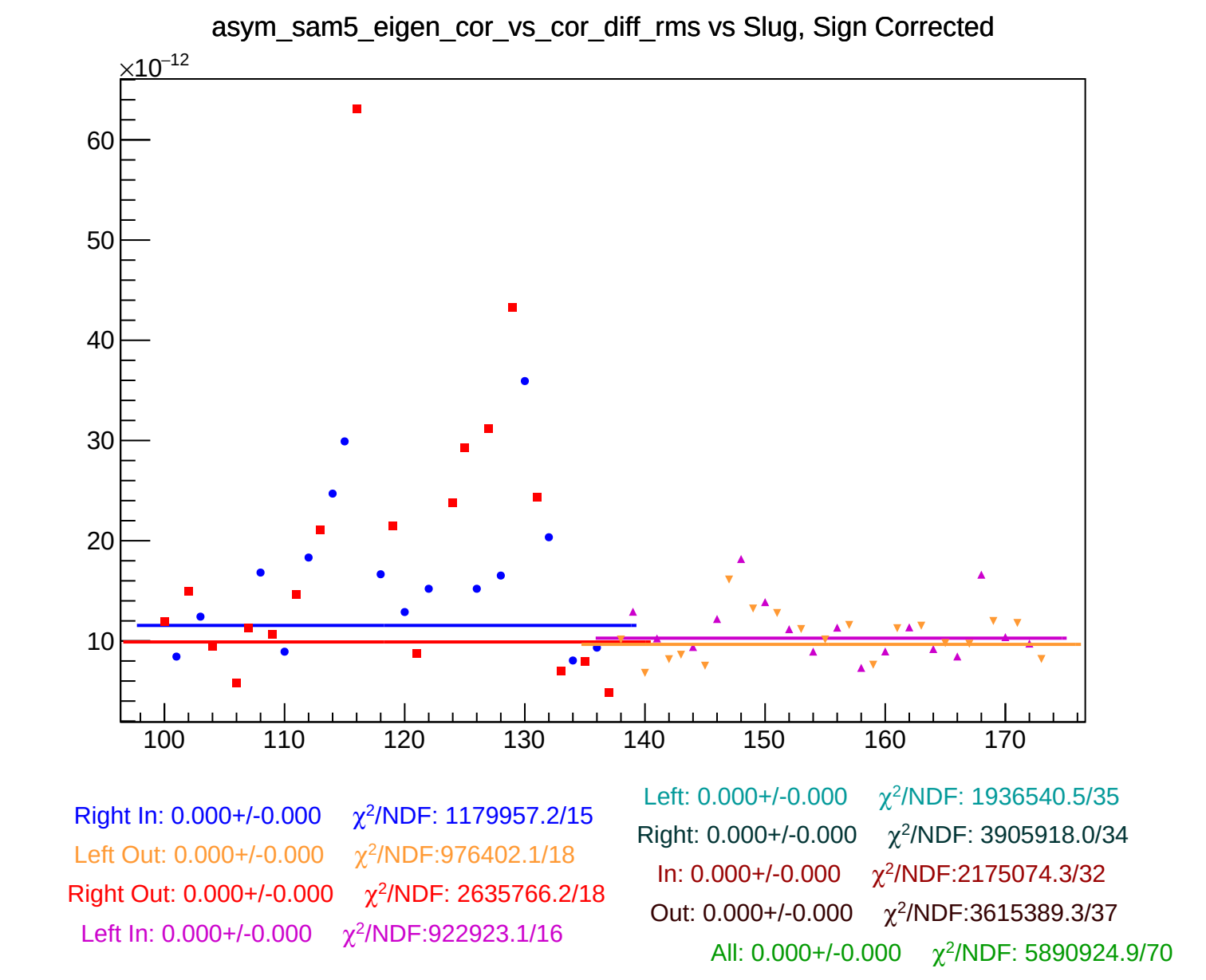
Left: 0.000+/-0.000 χ^2/NDF: 28.0/35

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

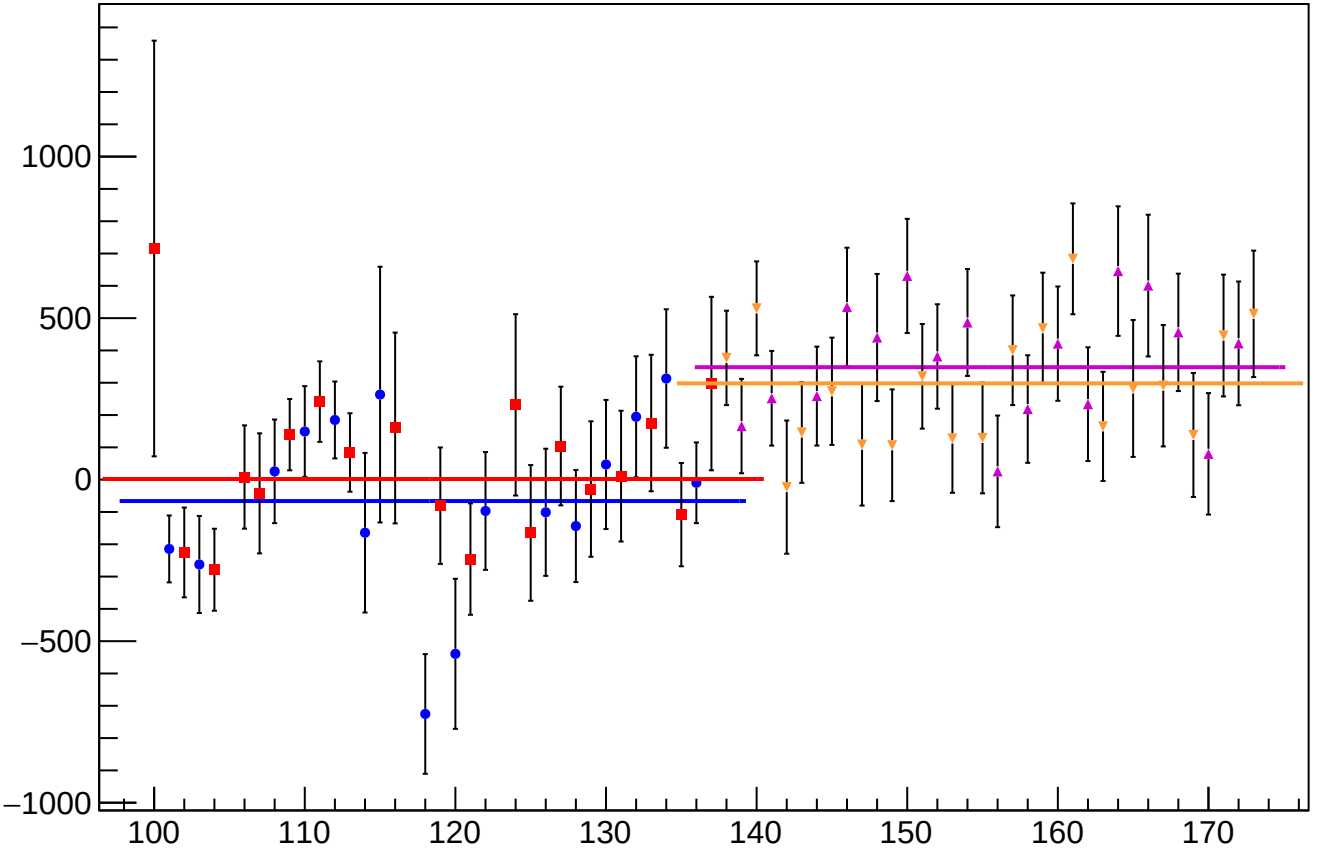
In: -0.000+/-0.000 χ^2/NDF:25.9/32

Out: 0.000+/-0.000 χ^2/NDF:43.7/37

All: -0.000+/-0.000 χ^2/NDF: 70.7/70


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:976402.1/18
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:922923.1/16
Left: 0.000+/-0.000 χ²/NDF: 1936540.5/35
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:2175074.3/32
Out: 0.000+/-0.000 χ²/NDF:3615389.3/37
All: 0.000+/-0.000 χ²/NDF: 5890924.9/70

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 297.981+/-39.726 χ^2/NDF:20.0/18

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 348.090+/-42.124 χ^2/NDF:17.6/16

Left: 321.568+/-28.901 χ^2/NDF: 38.4/35

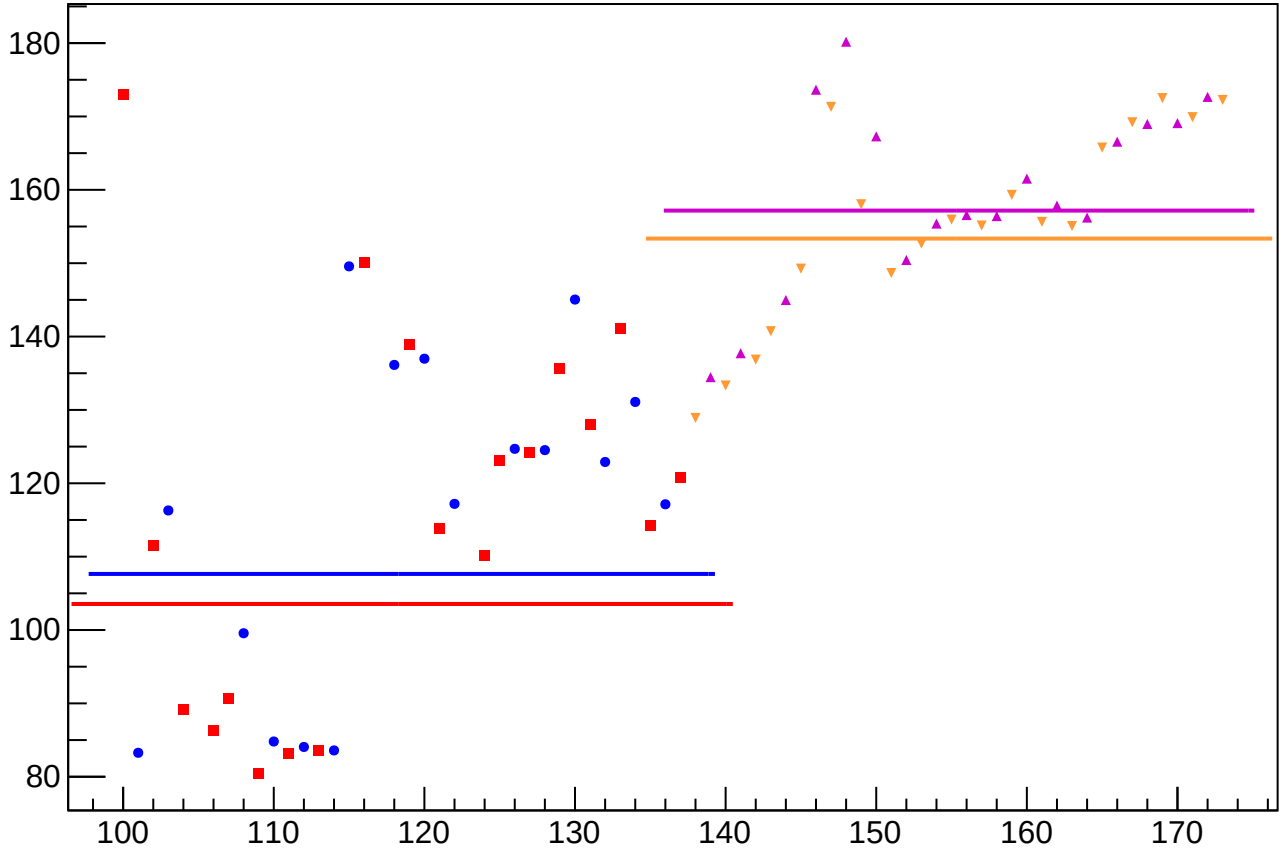
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 135.009+/-29.358 χ^2/NDF:101.8/32

Out: 146.762+/-27.782 χ^2/NDF:69.5/37

All: 141.209+/-20.179 χ^2/NDF: 171.4/70

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 153.355+/-0.028 χ^2/NDF:221006.1/18

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 157.171+/-0.030 χ^2/NDF:184440.3/16

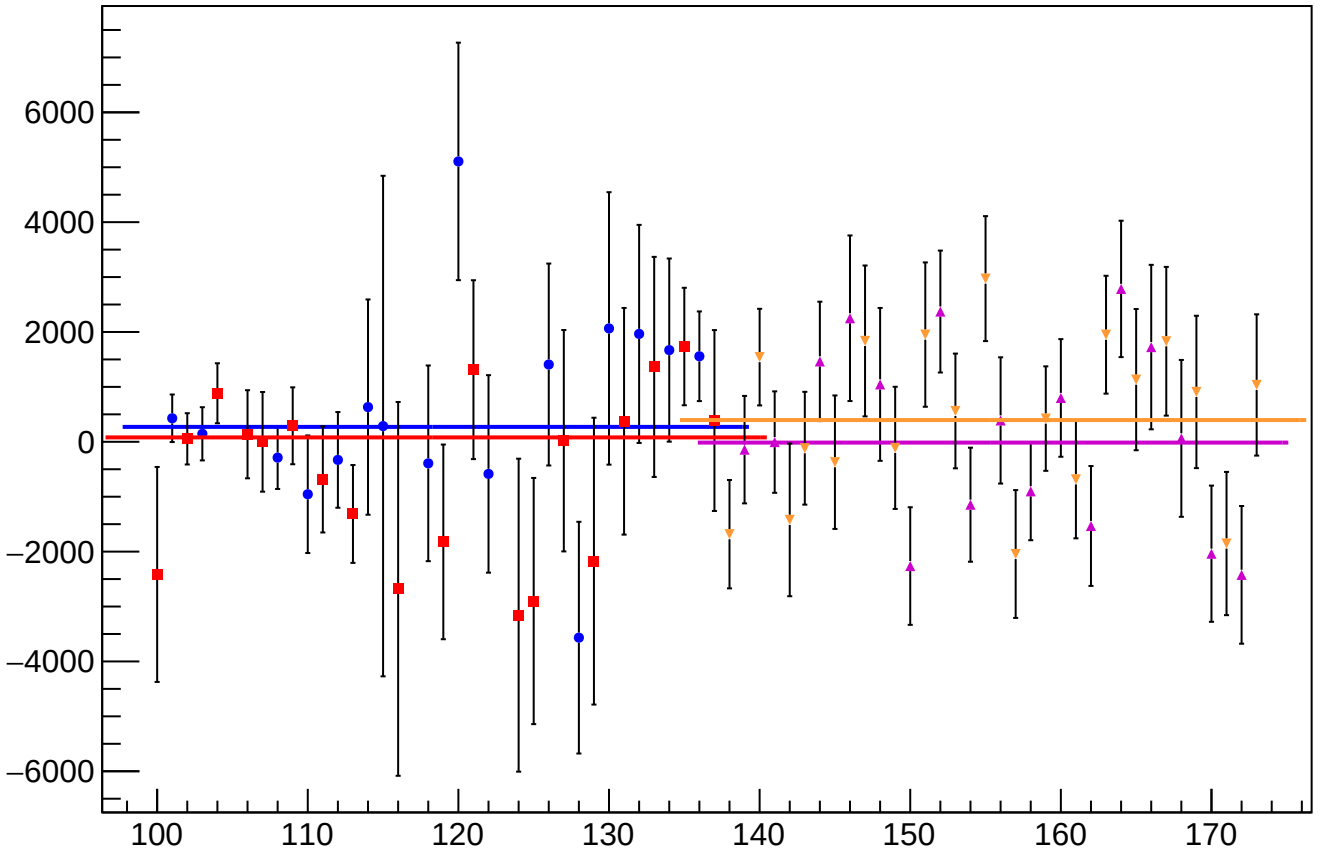
Left: 155.151+/-0.020 χ^2/NDF: 414134.9/35

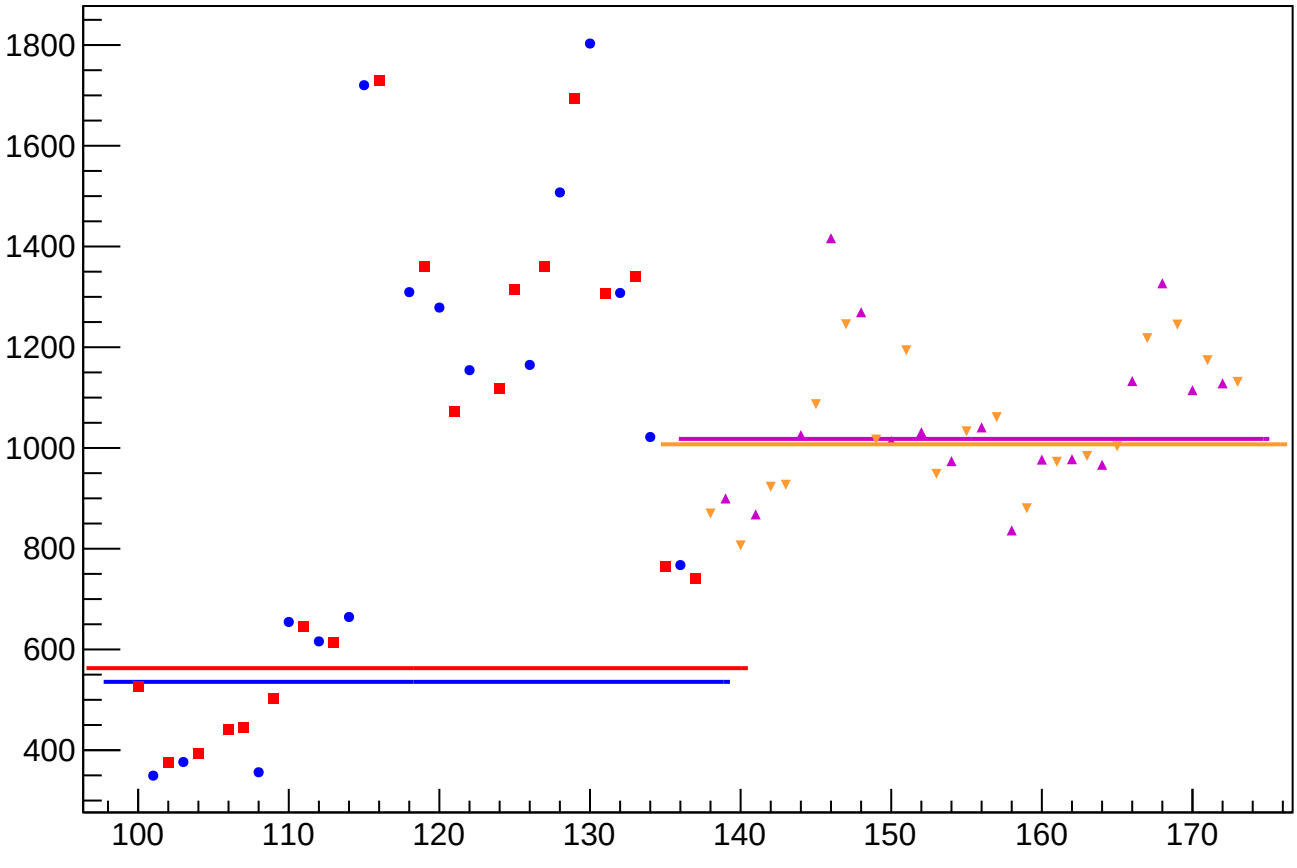
Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 131.700+/-0.021 χ^2/NDF:2139138.3/32

Out: 127.908+/-0.020 χ^2/NDF:2444540.1/37

All: 129.699+/-0.014 χ^2/NDF: 4601284.9/70


asym_sam6_reg_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: 271.505+/-230.663 χ²/NDF: 16.5/15
Left Out: 395.884+/-262.582 χ²/NDF:28.7/18
Right Out: 80.094+/-232.154 χ²/NDF: 16.0/18
Left In: -14.474+/-274.980 χ²/NDF:31.3/16
Left: 200.163+/-189.905 χ²/NDF: 61.1/35
Right: 176.417+/-163.628 χ²/NDF: 32.8/34
In: 153.389+/-176.721 χ²/NDF:48.4/32
Out: 218.640+/-173.926 χ²/NDF:45.5/37
All: 186.535+/-123.960 χ²/NDF: 94.0/70



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 1007.227+/-0.186 χ^2/NDF:480477.0/18

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 1018.018+/-0.194 χ^2/NDF:516755.8/16

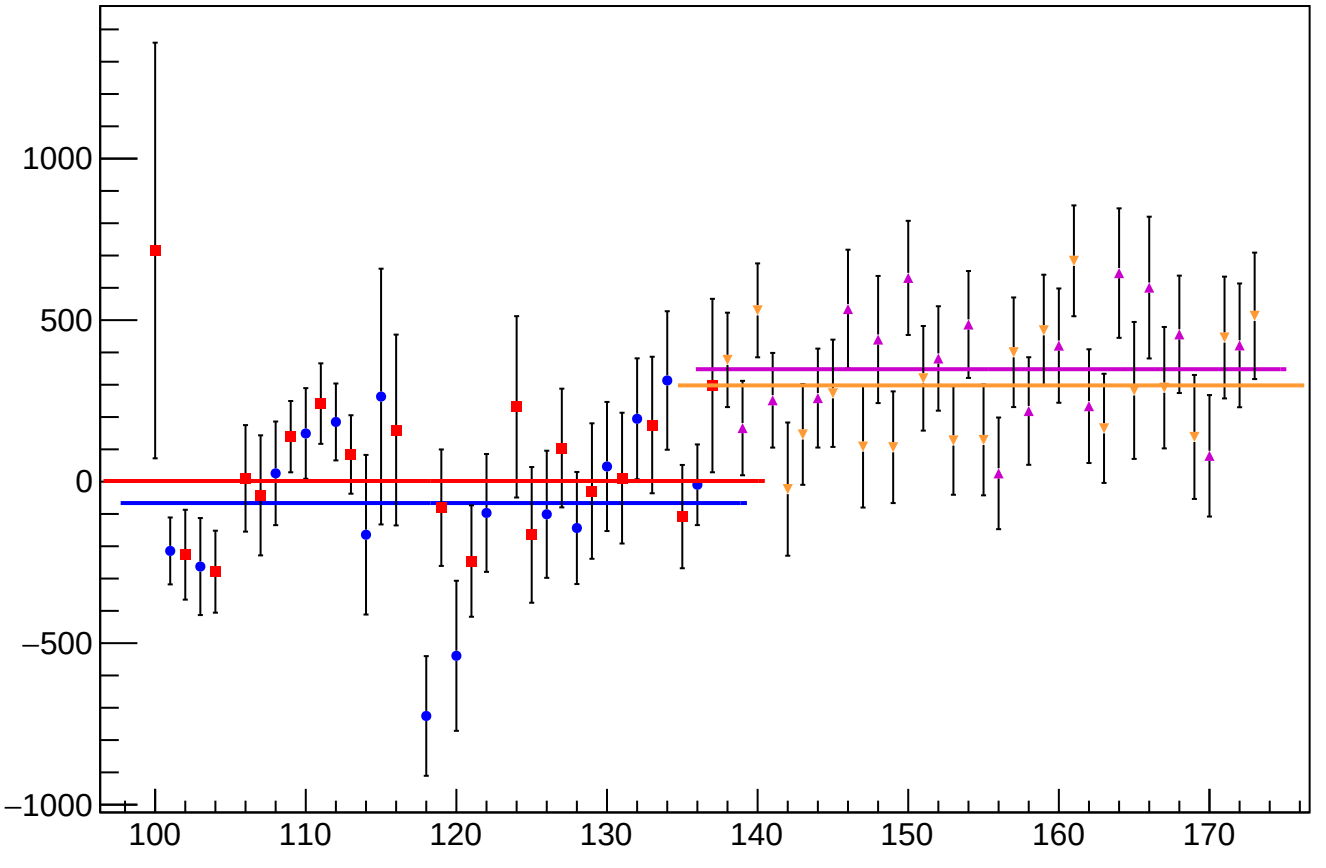
Left: 1012.374+/-0.134 χ^2/NDF: 998843.6/35

Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 734.898+/-0.125 χ^2/NDF:7761139.3/32

Out: 757.808+/-0.123 χ^2/NDF:6806546.8/37

All: 746.536+/-0.088 χ^2/NDF: 14584759.8/70



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 297.978+/-39.726 χ^2/NDF:20.0/18

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 348.094+/-42.124 χ^2/NDF:17.6/16

Left: 321.569+/-28.901 χ^2/NDF: 38.4/35

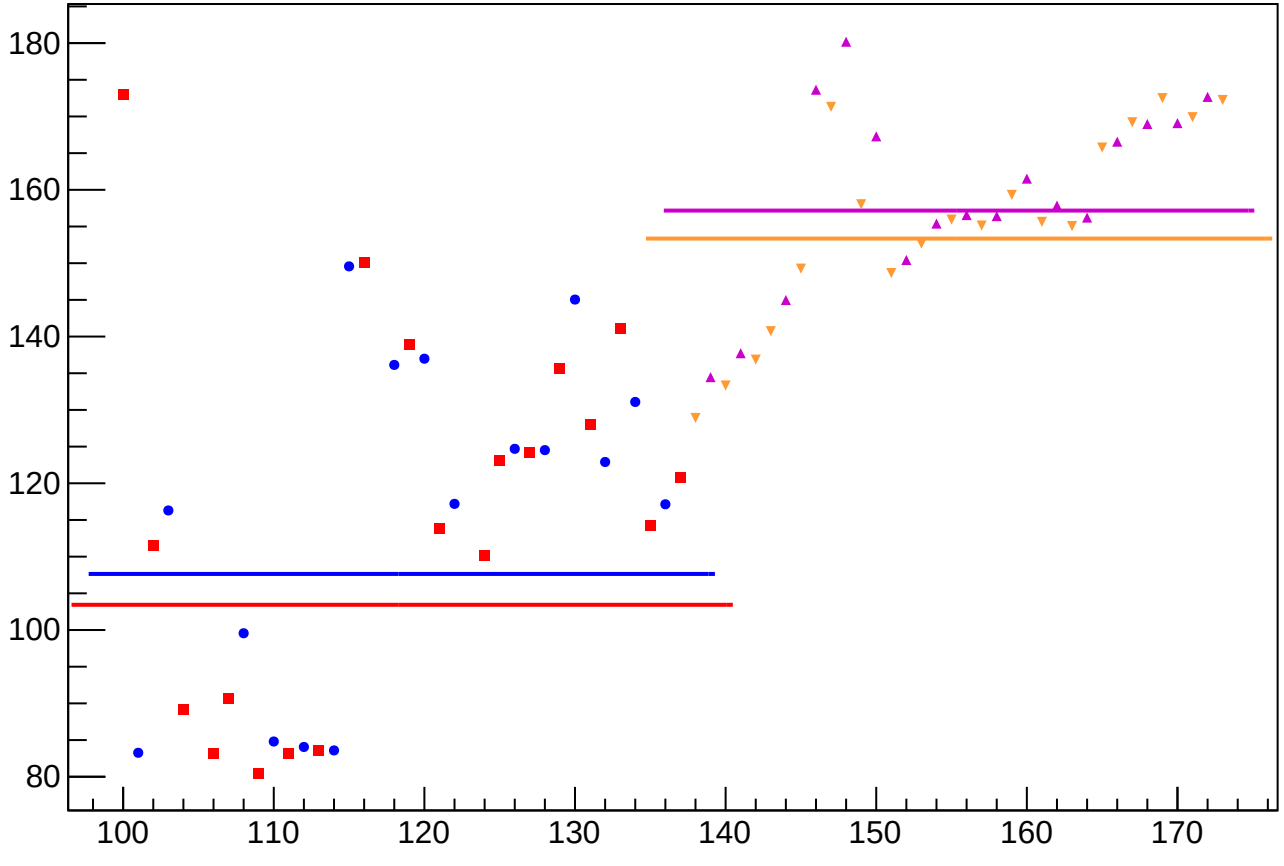
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 134.998+/-29.358 χ^2/NDF:101.8/32

Out: 147.050+/-27.807 χ^2/NDF:69.5/37

All: 141.350+/-20.189 χ^2/NDF: 171.3/70

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 153.355+/-0.028 χ^2/NDF:221006.1/18

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 157.171+/-0.030 χ^2/NDF:184440.3/16

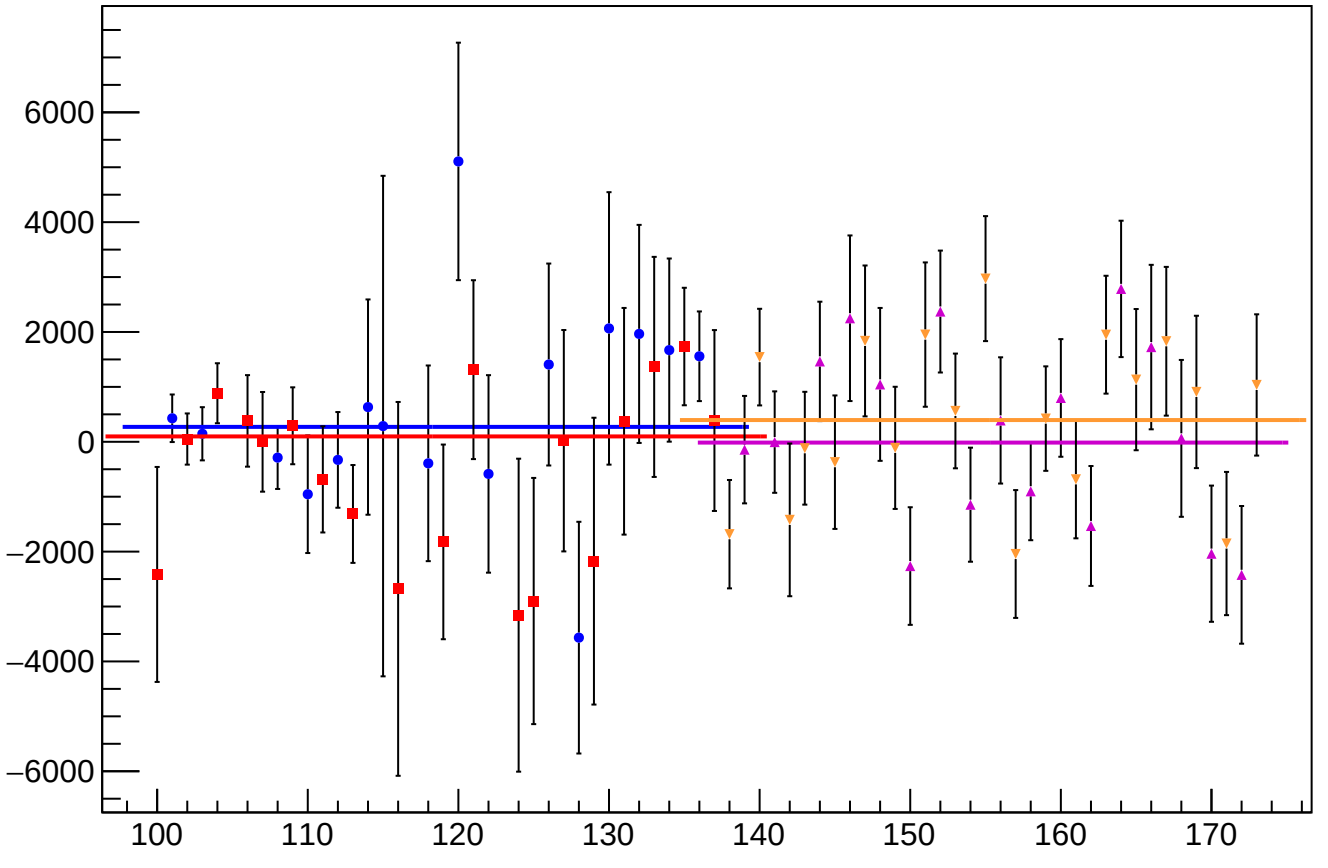
Left: 155.151+/-0.020 χ^2/NDF: 414134.9/35

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 131.700+/-0.021 χ^2/NDF:2139136.0/32

Out: 127.895+/-0.020 χ^2/NDF:2456334.9/37

All: 129.695+/-0.014 χ^2/NDF: 4613176.6/70



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 395.888+/-262.582 χ^2/NDF:28.7/18

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: -14.475+/-274.980 χ^2/NDF:31.3/16

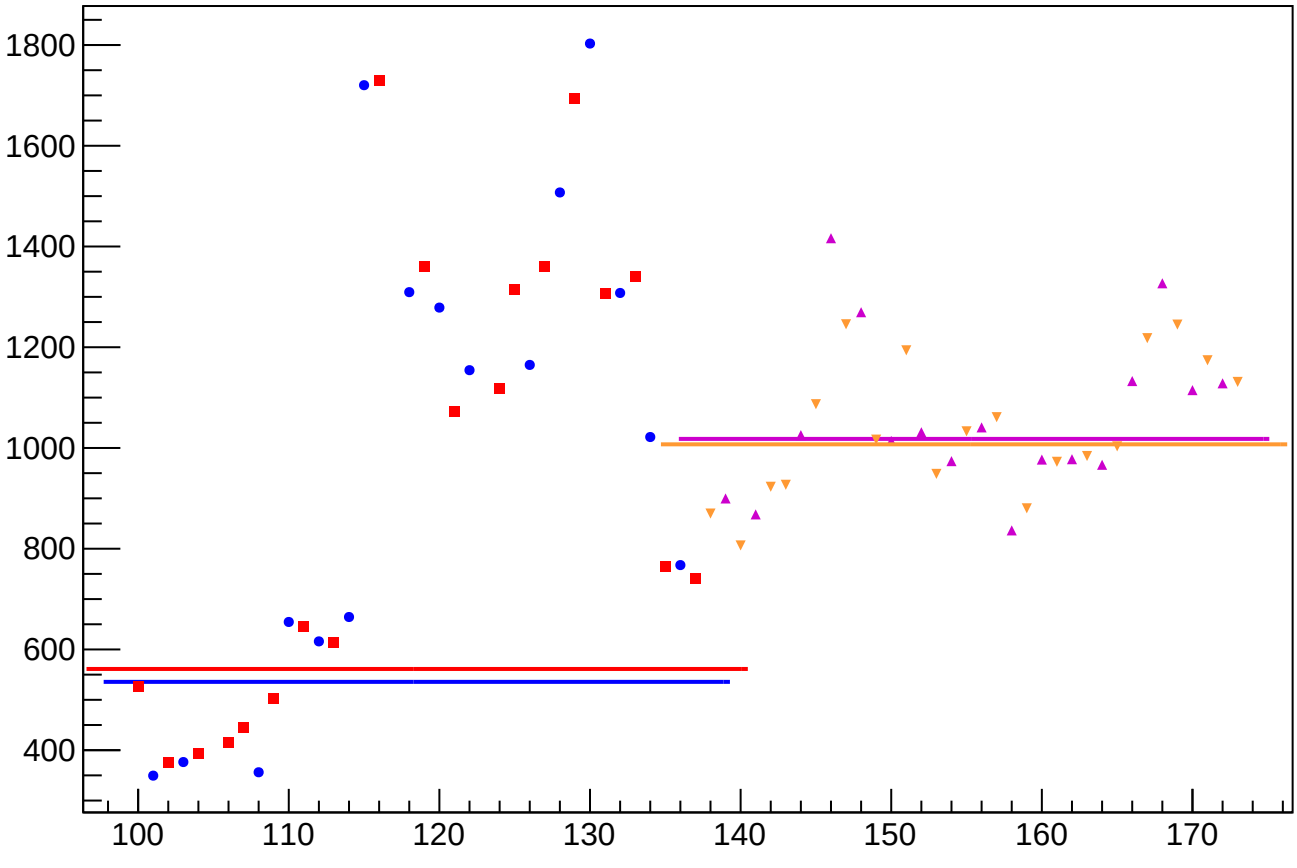
Left: 200.165+/-189.905 χ^2/NDF: 61.1/35

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 153.475+/-176.718 χ^2/NDF:48.4/32

Out: 229.002+/-174.189 χ^2/NDF:45.5/37

All: 191.783+/-124.054 χ^2/NDF: 94.0/70



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1007.228+/-0.186 χ^2/NDF:480477.0/18

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1018.018+/-0.194 χ^2/NDF:516754.7/16

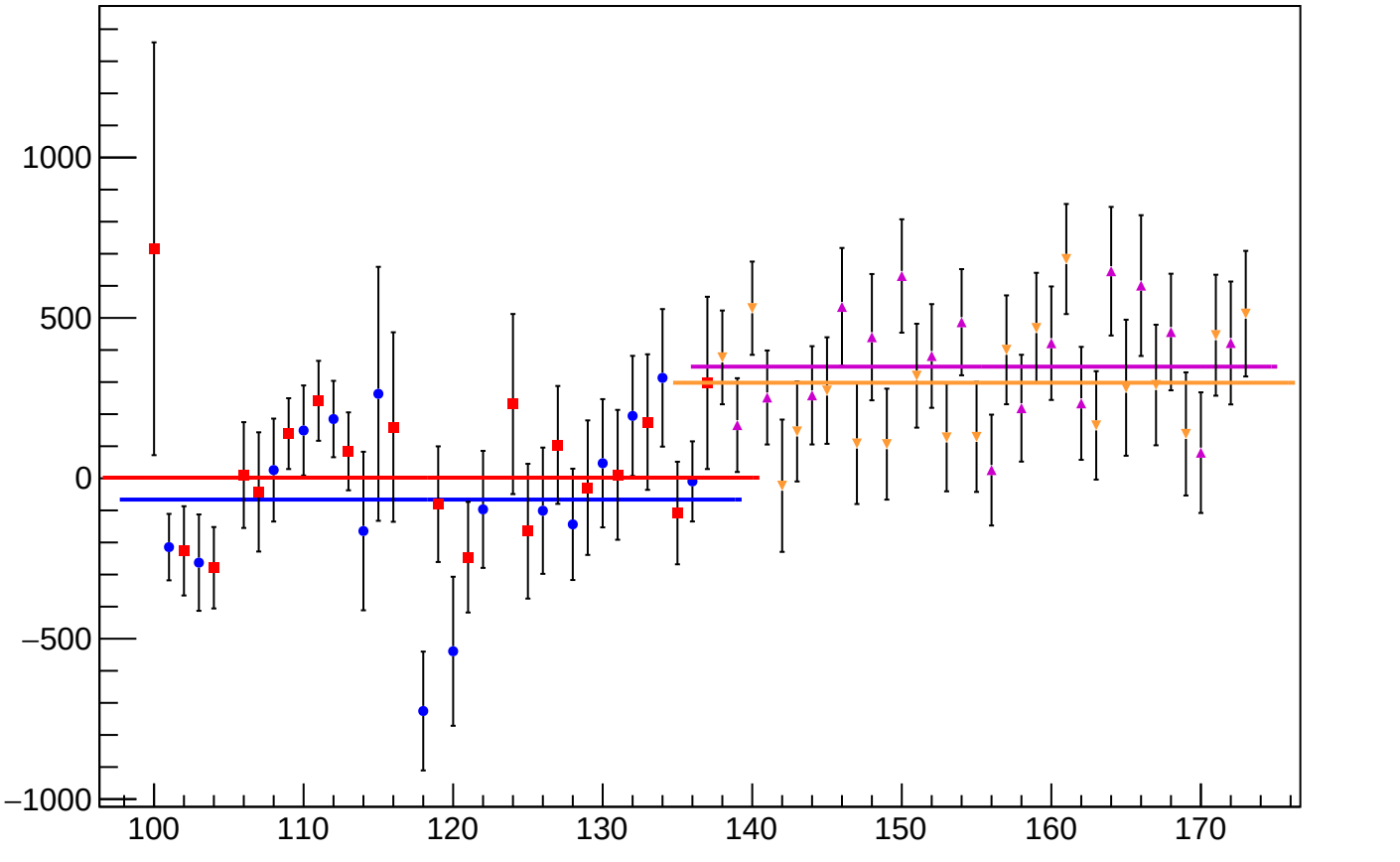
Left: 1012.374+/-0.134 χ^2/NDF: 998842.5/35

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 734.879+/-0.125 χ^2/NDF:7761759.6/32

Out: 757.516+/-0.123 χ^2/NDF:6841452.5/37

All: 746.361+/-0.088 χ^2/NDF: 14619858.6/70



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 297.978+/-39.726 χ^2/NDF:20.0/18

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 348.094+/-42.124 χ^2/NDF:17.6/16

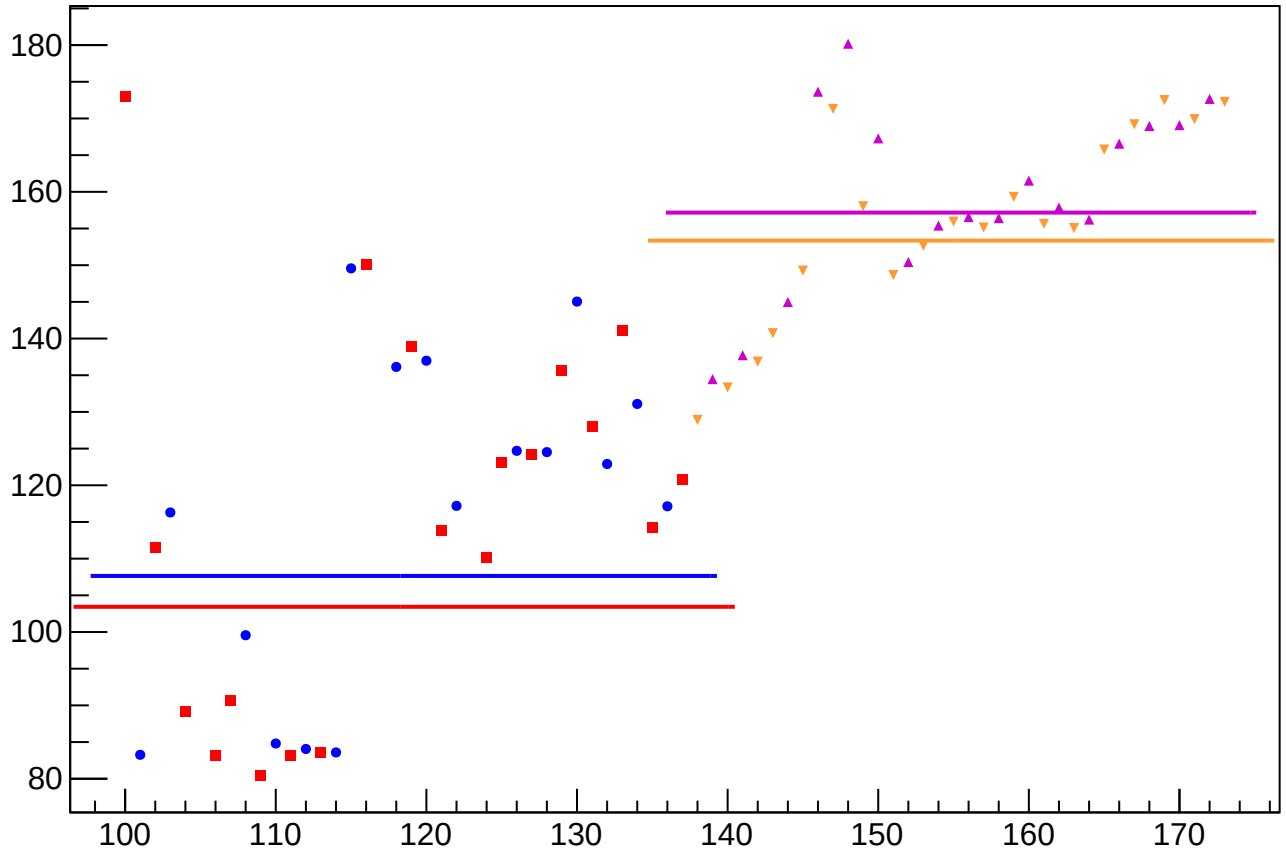
Left: 321.569+/-28.901 χ^2/NDF: 38.4/35

Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 134.998+/-29.358 χ^2/NDF:101.8/32

Out: 147.050+/-27.807 χ^2/NDF:69.5/37

All: 141.350+/-20.189 χ^2/NDF: 171.3/70



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 153.355+/-0.028 χ^2/NDF:221006.1/18

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 157.171+/-0.030 χ^2/NDF:184440.3/16

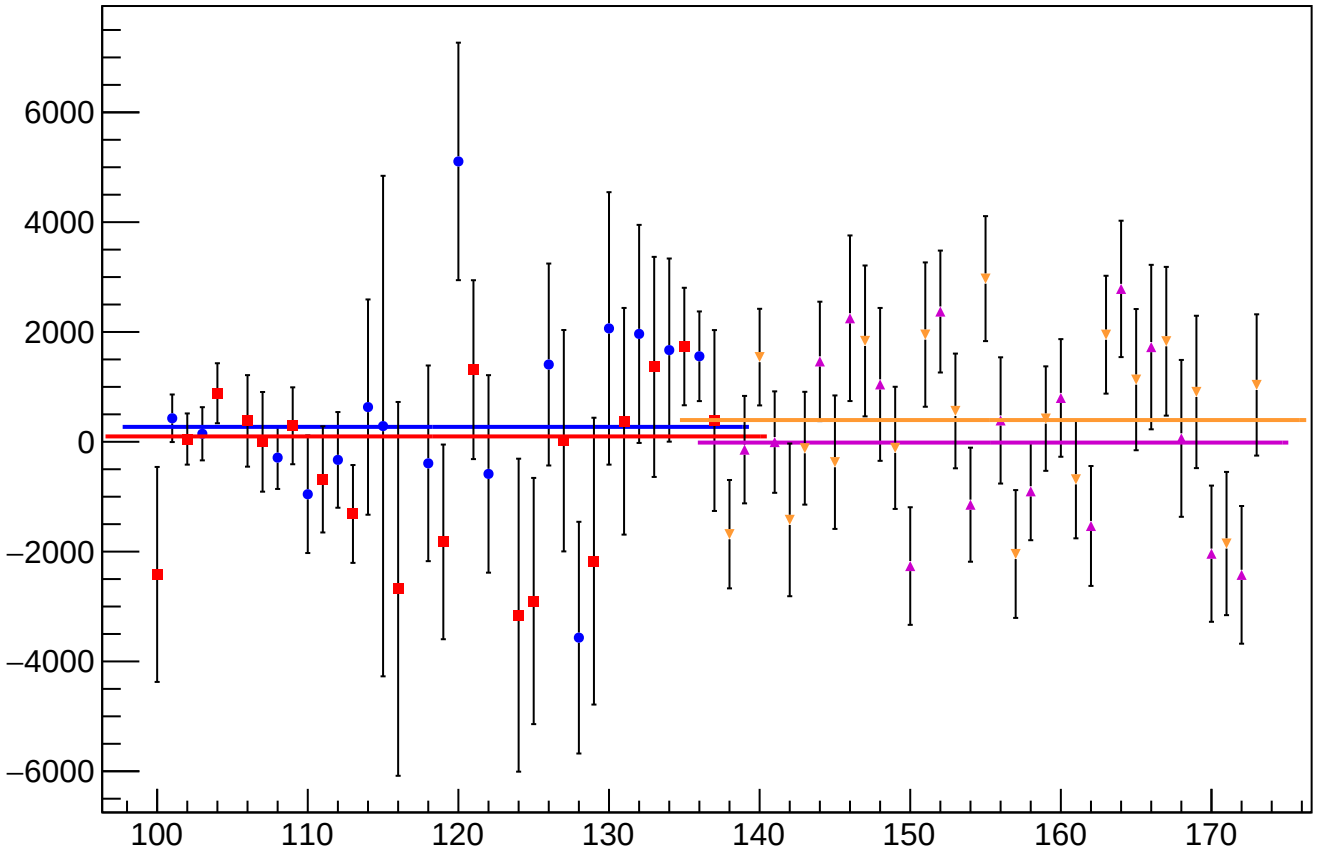
Left: 155.151+/-0.020 χ^2/NDF: 414134.9/35

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 131.700+/-0.021 χ^2/NDF:2139136.0/32

Out: 127.895+/-0.020 χ^2/NDF:2456334.9/37

All: 129.695+/-0.014 χ^2/NDF: 4613176.6/70



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 395.888+/-262.582 χ^2/NDF:28.7/18

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: -14.475+/-274.980 χ^2/NDF:31.3/16

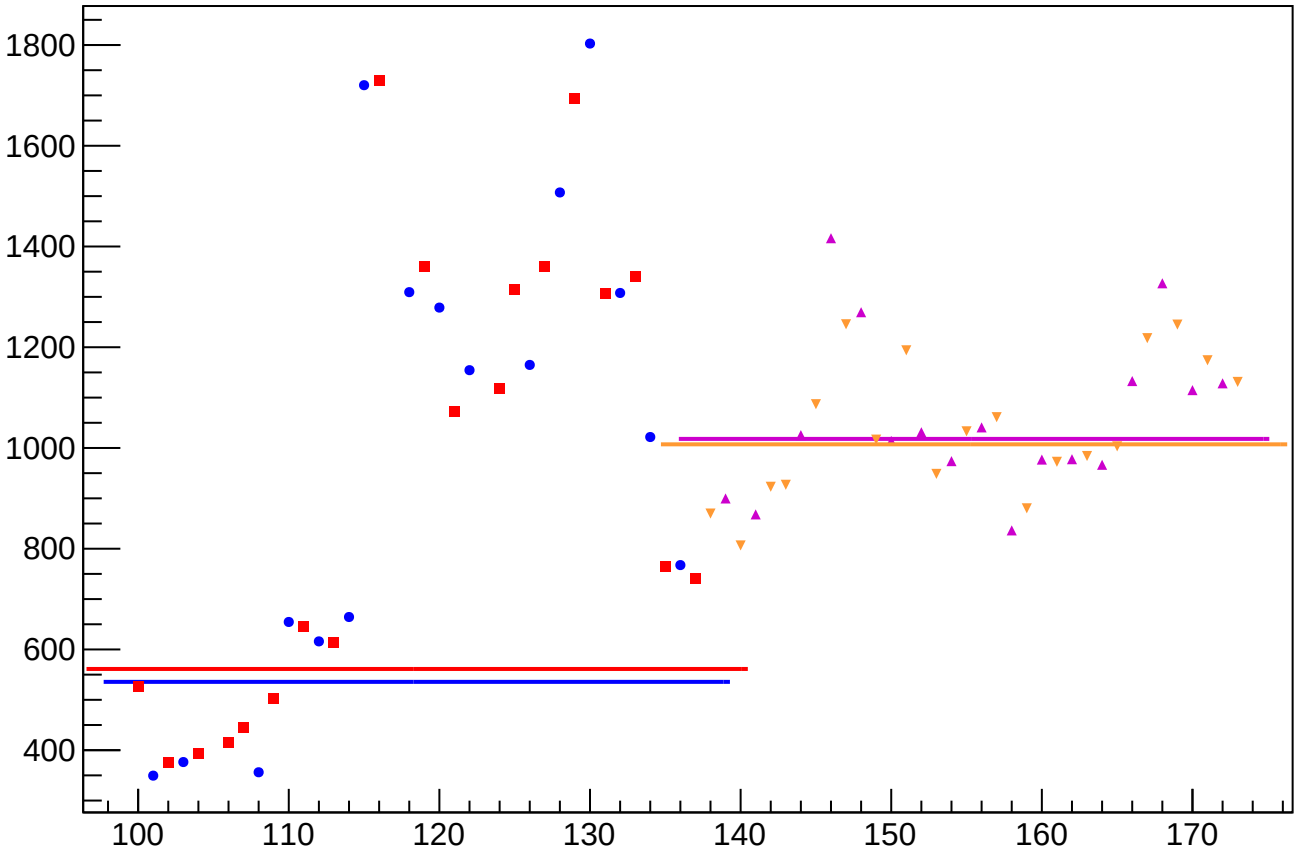
Left: 200.165+/-189.905 χ^2/NDF: 61.1/35

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 153.475+/-176.718 χ^2/NDF:48.4/32

Out: 229.002+/-174.189 χ^2/NDF:45.5/37

All: 191.783+/-124.054 χ^2/NDF: 94.0/70



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1007.228+/-0.186 χ^2/NDF:480477.0/18

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1018.018+/-0.194 χ^2/NDF:516754.7/16

Left: 1012.374+/-0.134 χ^2/NDF: 998842.5/35

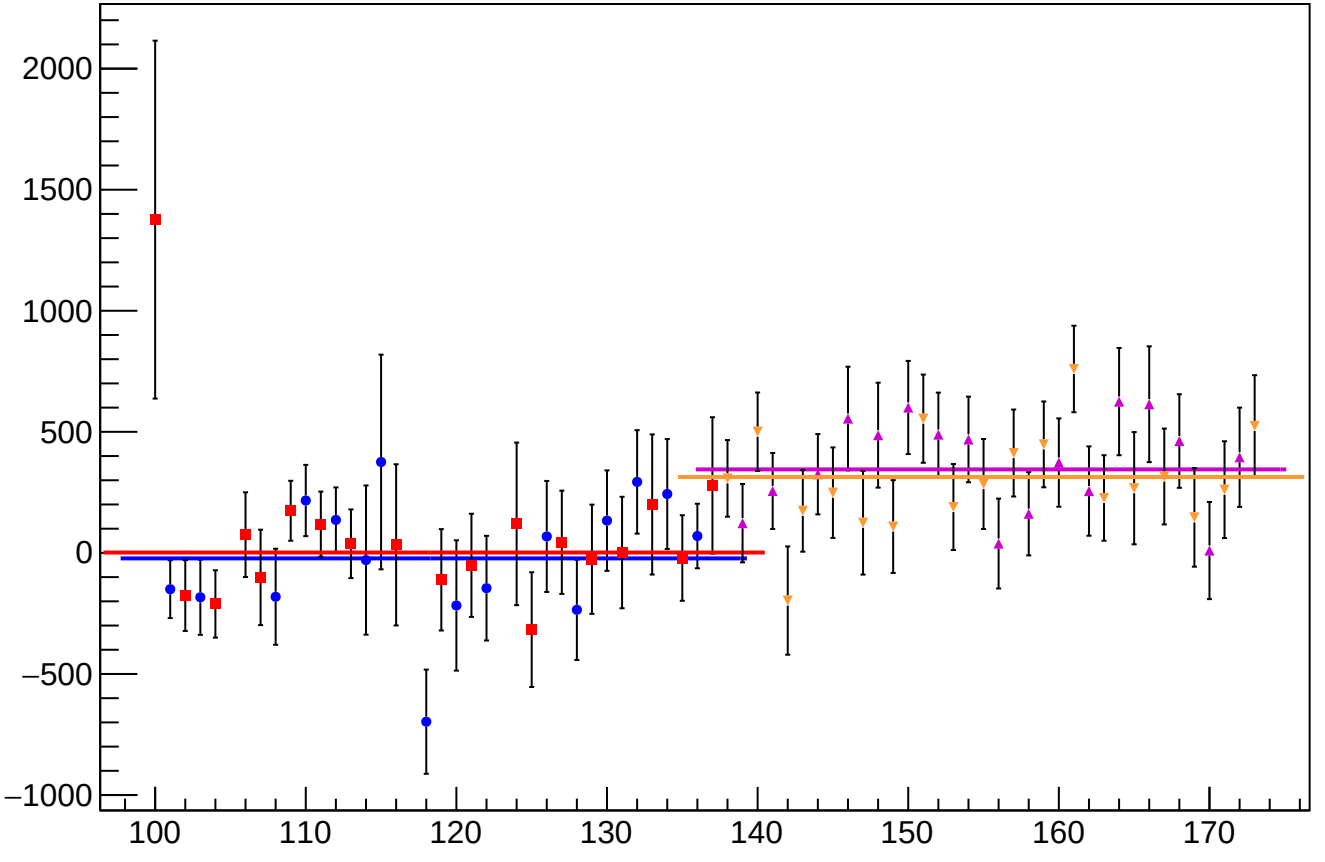
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 734.879+/-0.125 χ^2/NDF:7761759.6/32

Out: 757.516+/-0.123 χ^2/NDF:6841452.5/37

All: 746.361+/-0.088 χ^2/NDF: 14619858.6/70

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 313.411+/-42.868 χ^2/NDF:20.7/18

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 344.828+/-45.360 χ^2/NDF:16.8/16

Left: 328.233+/-31.156 χ^2/NDF: 37.7/35

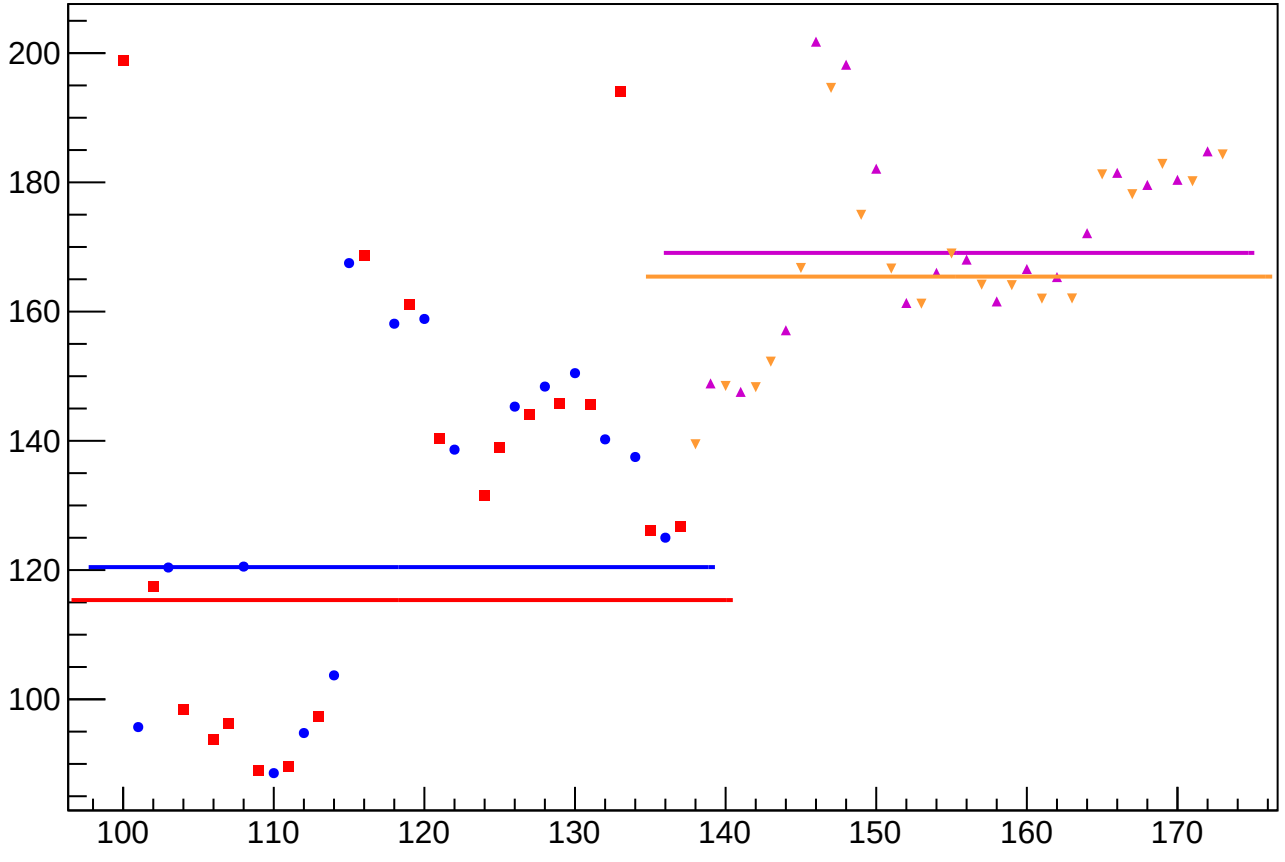
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 163.283+/-32.266 χ^2/NDF:73.4/32

Out: 160.011+/-30.555 χ^2/NDF:61.0/37

All: 161.558+/-22.186 χ^2/NDF: 134.4/70

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 165.416+/-0.030 χ^2/NDF:204890.9/18

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 169.084+/-0.032 χ^2/NDF:210462.5/16

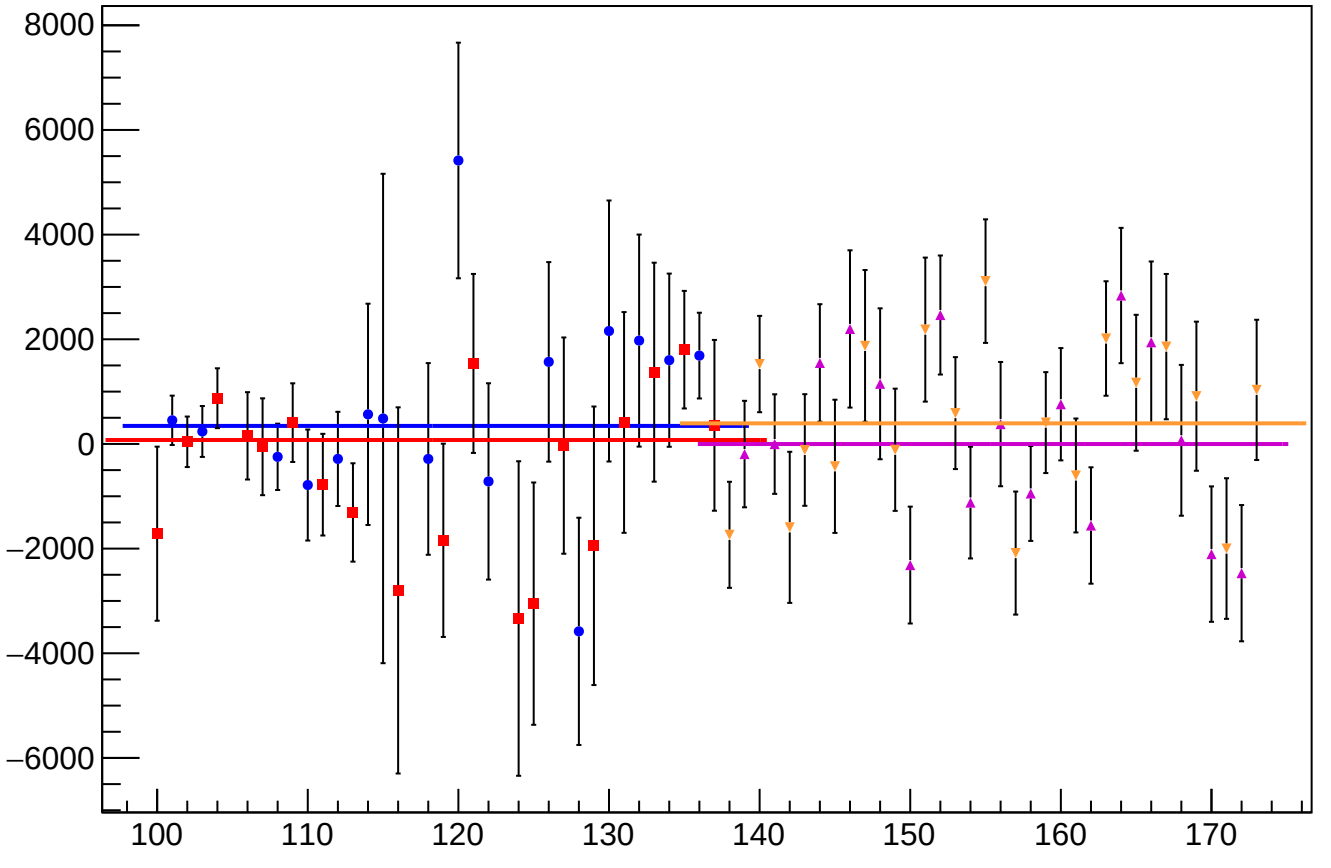
Left: 167.147+/-0.022 χ^2/NDF: 422262.4/35

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 145.063+/-0.023 χ^2/NDF:1876169.0/32

Out: 140.789+/-0.022 χ^2/NDF:2313823.4/37

All: 142.810+/-0.016 χ^2/NDF: 4208497.3/70



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 393.583+/-270.632 χ^2/NDF:29.2/18

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: -1.809+/-282.503 χ^2/NDF:31.1/16

Left: 204.368+/-195.428 χ^2/NDF: 61.3/35

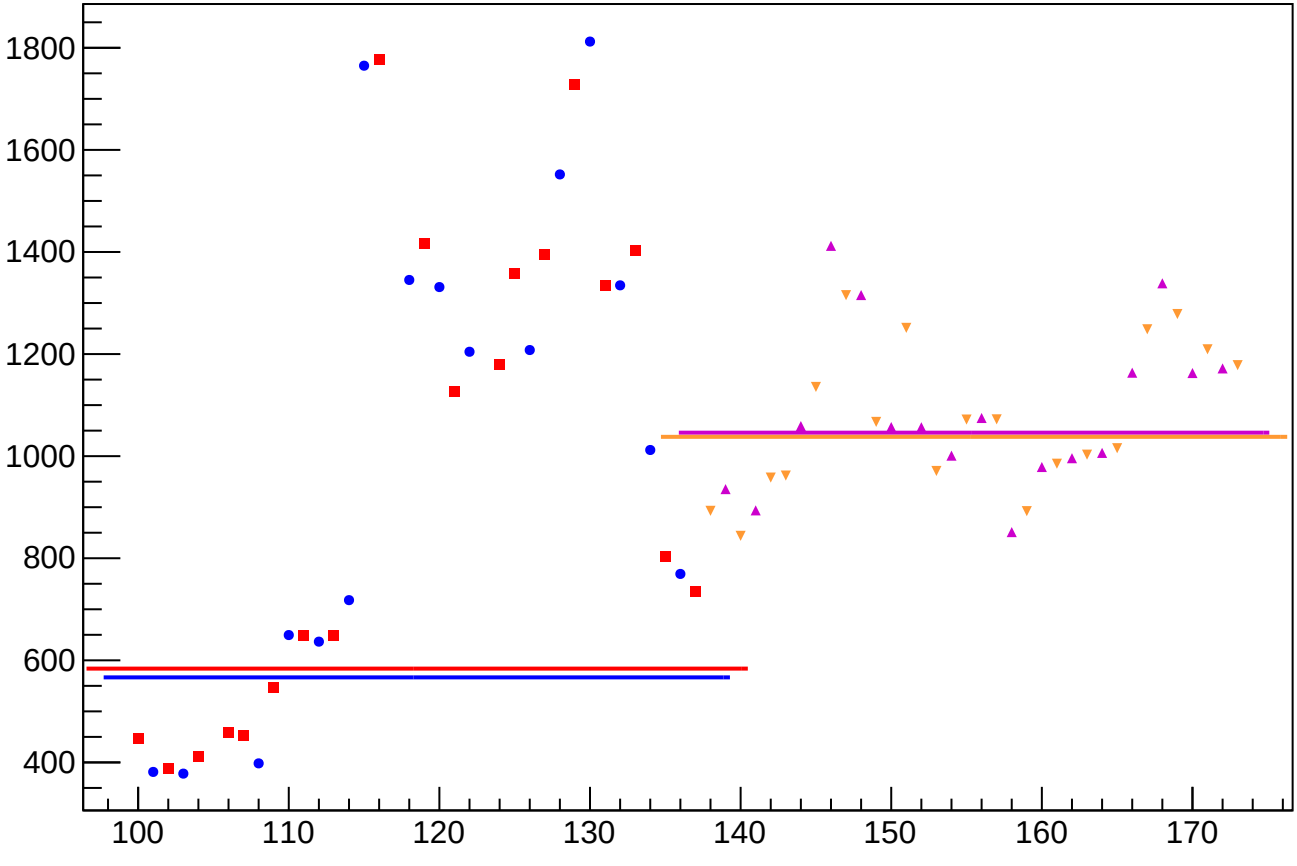
Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 198.221+/-183.581 χ^2/NDF:48.2/32

Out: 215.804+/-179.764 χ^2/NDF:45.2/37

All: 207.197+/-128.441 χ^2/NDF: 93.5/70

asym_sam6_dit_correction_rms vs Slug, Sign Corrected



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1037.855+/-0.191 χ^2/NDF:502209.1/18

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1046.013+/-0.200 χ^2/NDF:503869.5/16

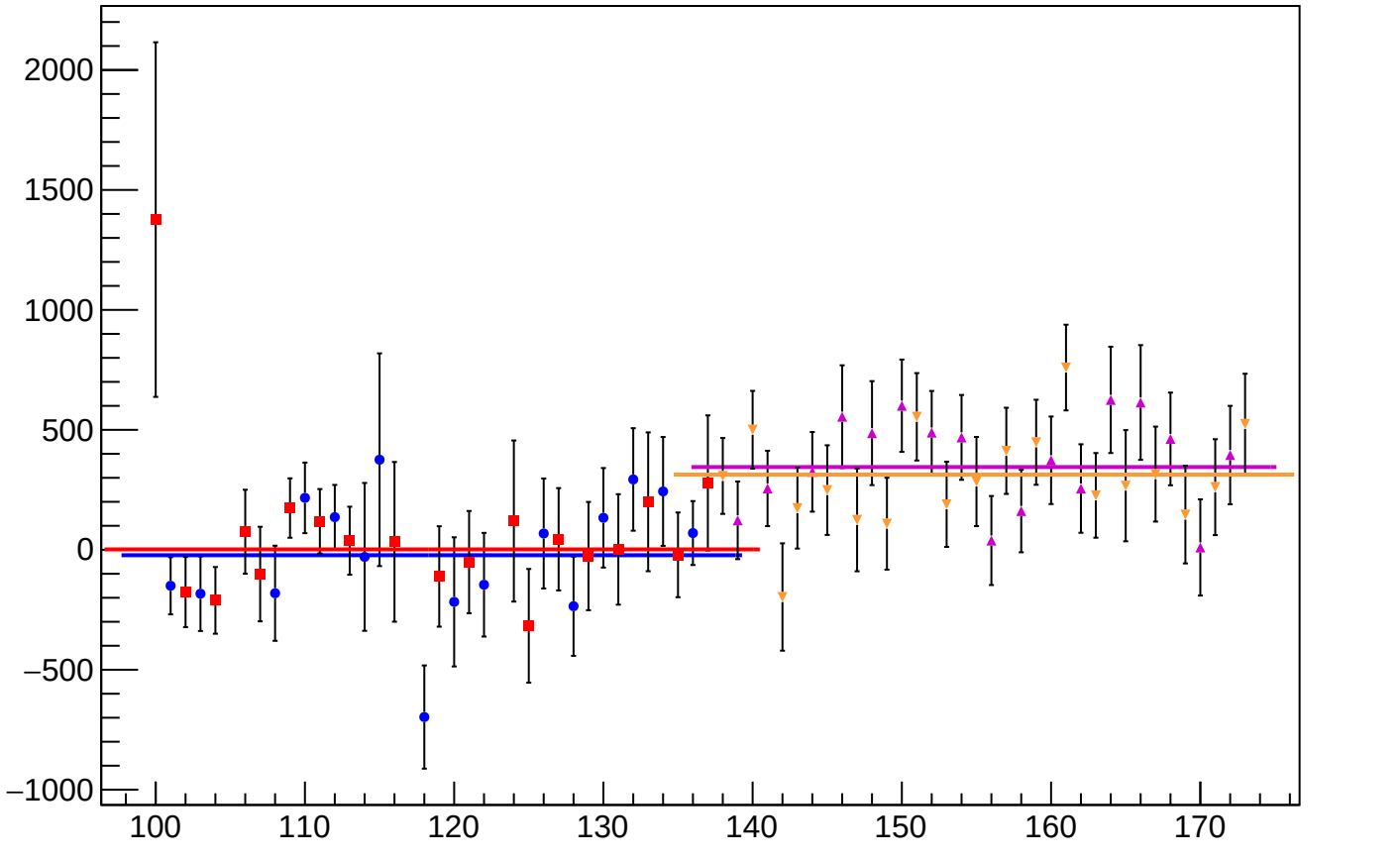
Left: 1041.759+/-0.138 χ^2/NDF: 1006948.2/35

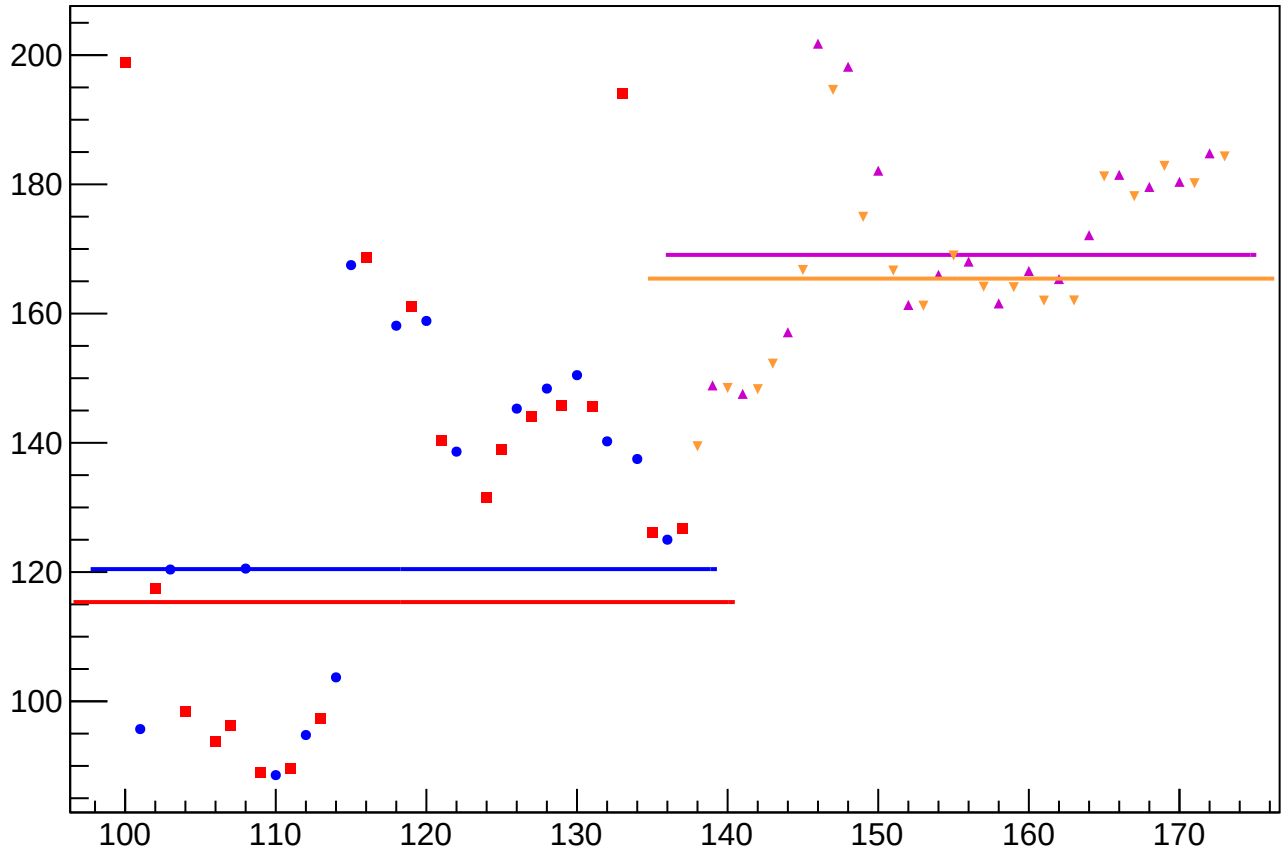
Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 769.053+/-0.130 χ^2/NDF:7263719.0/32

Out: 784.130+/-0.127 χ^2/NDF:6755648.8/37

All: 776.750+/-0.091 χ^2/NDF: 14026254.1/70


eigen_dit_asym_sam6_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: -22.680+/-45.908 χ²/NDF: 24.2/15
Left Out: 313.412+/-42.868 χ²/NDF:20.7/18
Right Out: 1.601+/-43.563 χ²/NDF: 14.3/18
Left In: 344.829+/-45.360 χ²/NDF:16.8/16
Left: 328.234+/-31.156 χ²/NDF: 37.7/35
Right: -9.903+/-31.600 χ²/NDF: 38.6/34
In: 163.282+/-32.266 χ²/NDF:73.4/32
Out: 160.013+/-30.555 χ²/NDF:61.0/37
All: 161.558+/-22.186 χ²/NDF: 134.4/70



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 165.416+/-0.030 χ^2/NDF:204890.4/18

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 169.084+/-0.032 χ^2/NDF:210462.7/16

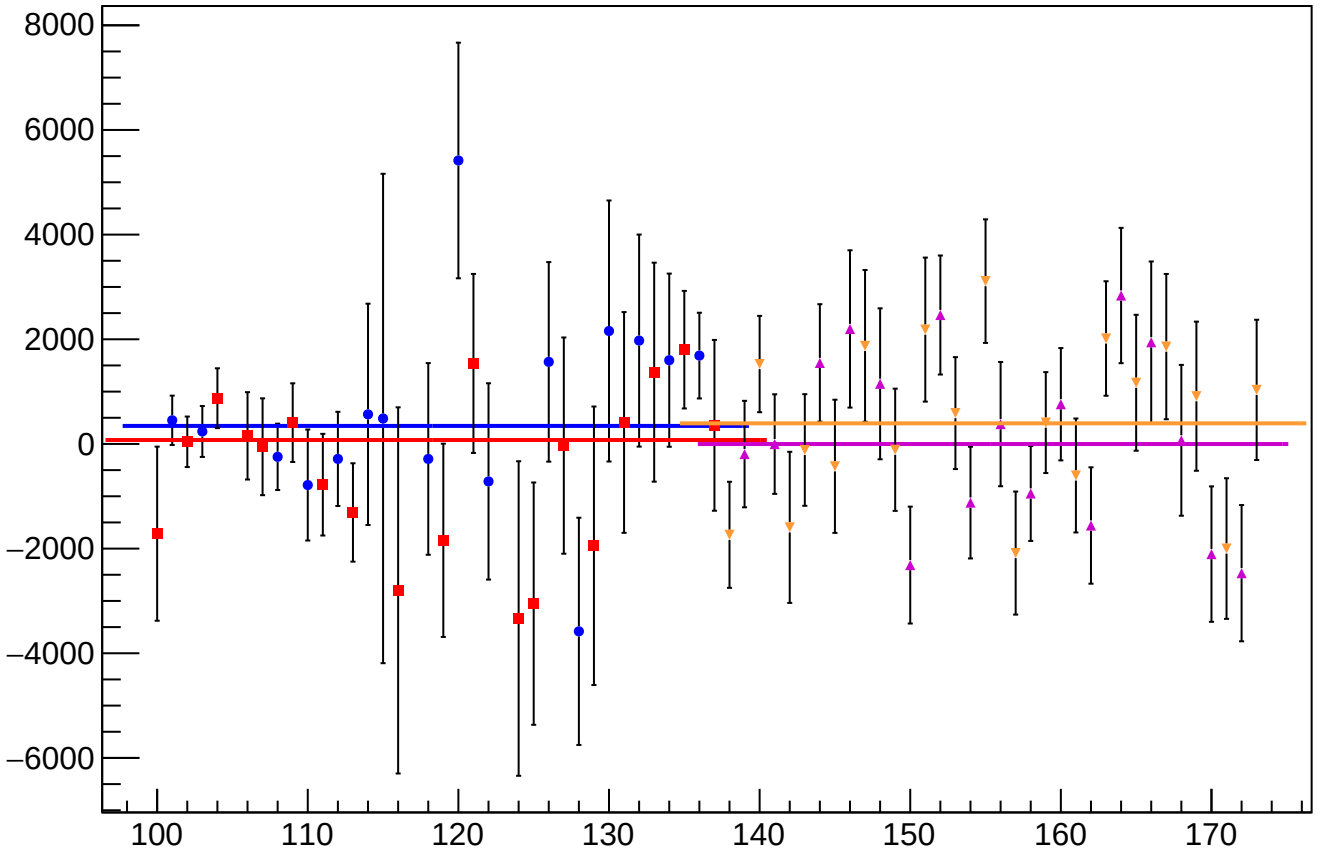
Left: 167.146+/-0.022 χ^2/NDF: 422262.1/35

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 145.063+/-0.023 χ^2/NDF:1876179.8/32

Out: 140.789+/-0.022 χ^2/NDF:2313824.8/37

All: 142.809+/-0.016 χ^2/NDF: 4208509.3/70



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 393.584+/-270.632 χ^2/NDF:29.2/18

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: -1.809+/-282.503 χ^2/NDF:31.1/16

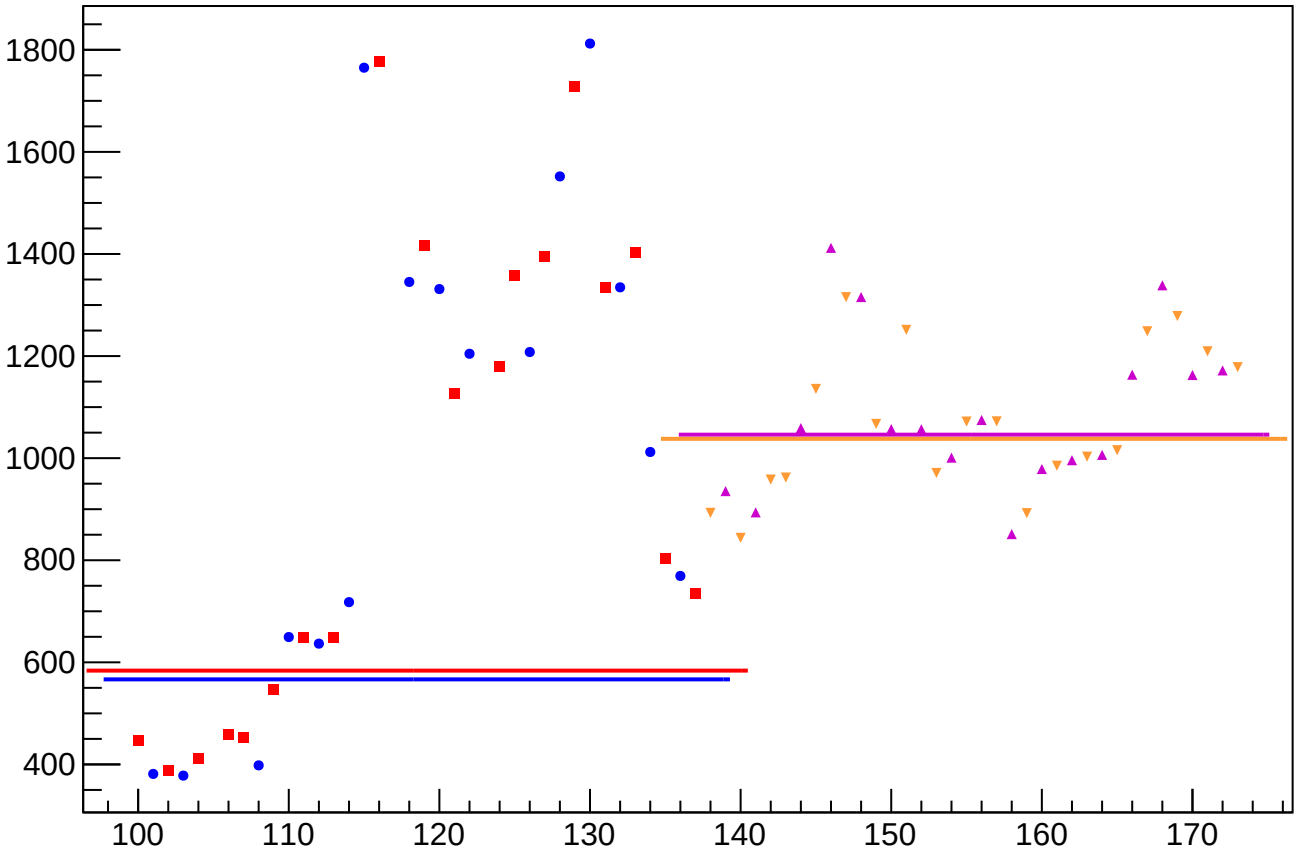
Left: 204.369+/-195.428 χ^2/NDF: 61.3/35

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 198.220+/-183.581 χ^2/NDF:48.2/32

Out: 215.805+/-179.764 χ^2/NDF:45.2/37

All: 207.198+/-128.441 χ^2/NDF: 93.5/70



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1037.855+/-0.191 χ^2/NDF:502212.0/18

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 1046.013+/-0.200 χ^2/NDF:503873.2/16

Left: 1041.759+/-0.138 χ^2/NDF: 1006954.8/35

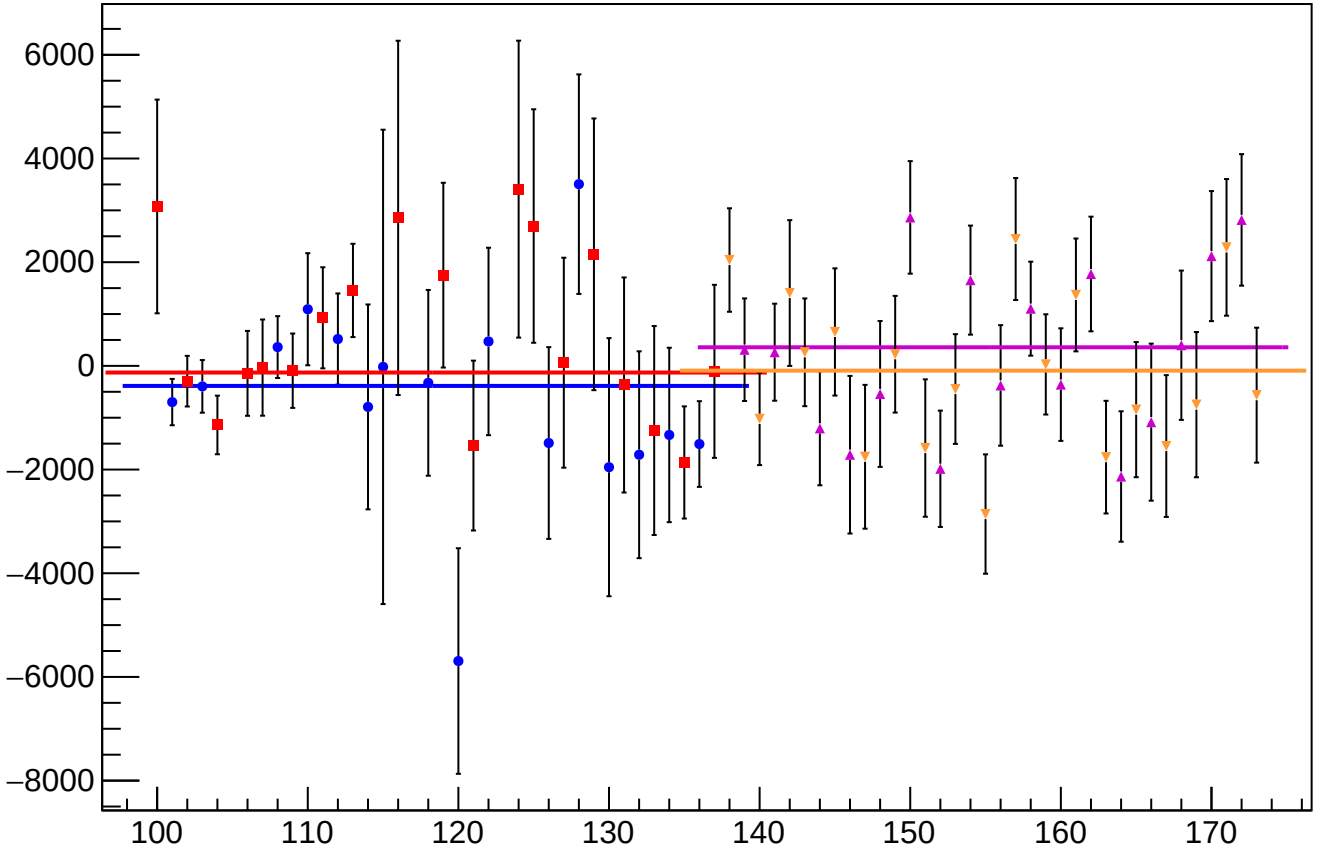
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 769.053+/-0.130 χ^2/NDF:7263738.8/32

Out: 784.130+/-0.127 χ^2/NDF:6755660.8/37

All: 776.750+/-0.091 χ^2/NDF: 14026286.1/70

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -91.707+/-265.698 χ^2/NDF:29.8/18

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: 358.482+/-278.344 χ^2/NDF:29.2/16

Left: 122.929+/-192.192 χ^2/NDF: 60.4/35

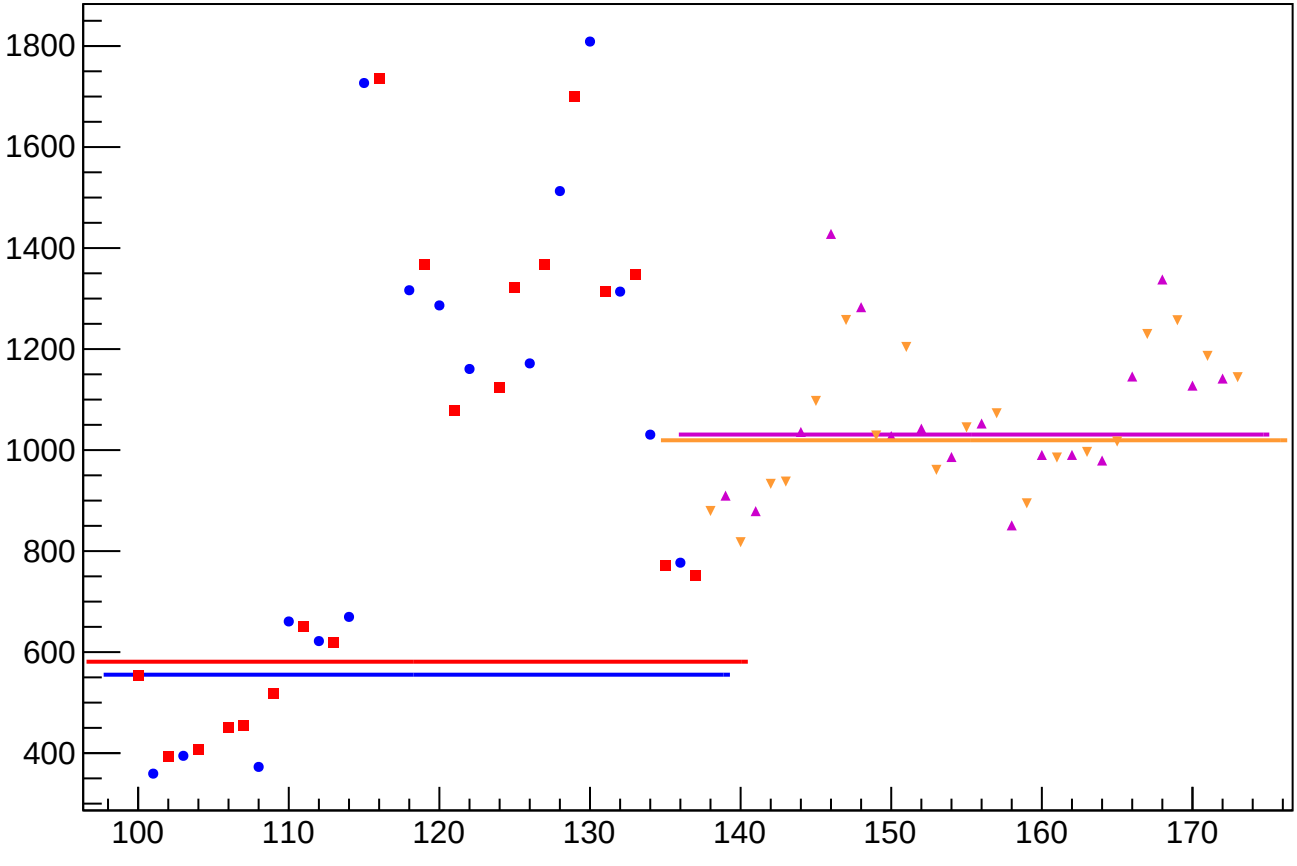
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -72.603+/-180.680 χ^2/NDF:51.3/32

Out: -112.148+/-177.377 χ^2/NDF:49.2/37

All: -92.741+/-126.576 χ^2/NDF: 100.6/70

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 1019.431+/-0.188 χ^2/NDF:470689.6/18

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1030.776+/-0.197 χ^2/NDF:504995.5/16

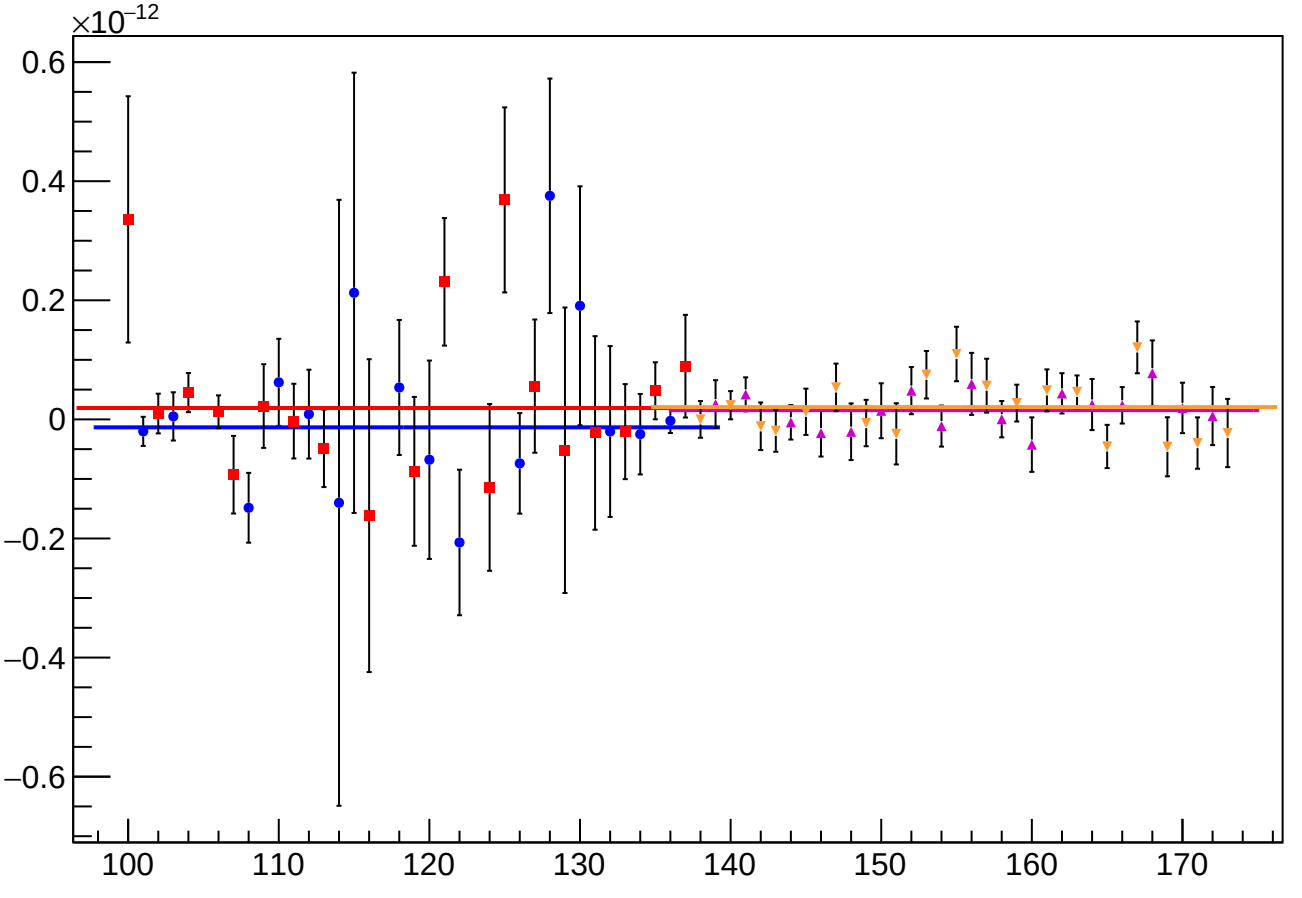
Left: 1024.840+/-0.136 χ^2/NDF: 977423.5/35

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 755.644+/-0.128 χ^2/NDF:7364618.0/32

Out: 776.396+/-0.125 χ^2/NDF:6473012.0/37

All: 766.212+/-0.090 χ^2/NDF: 13851064.7/70



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/16

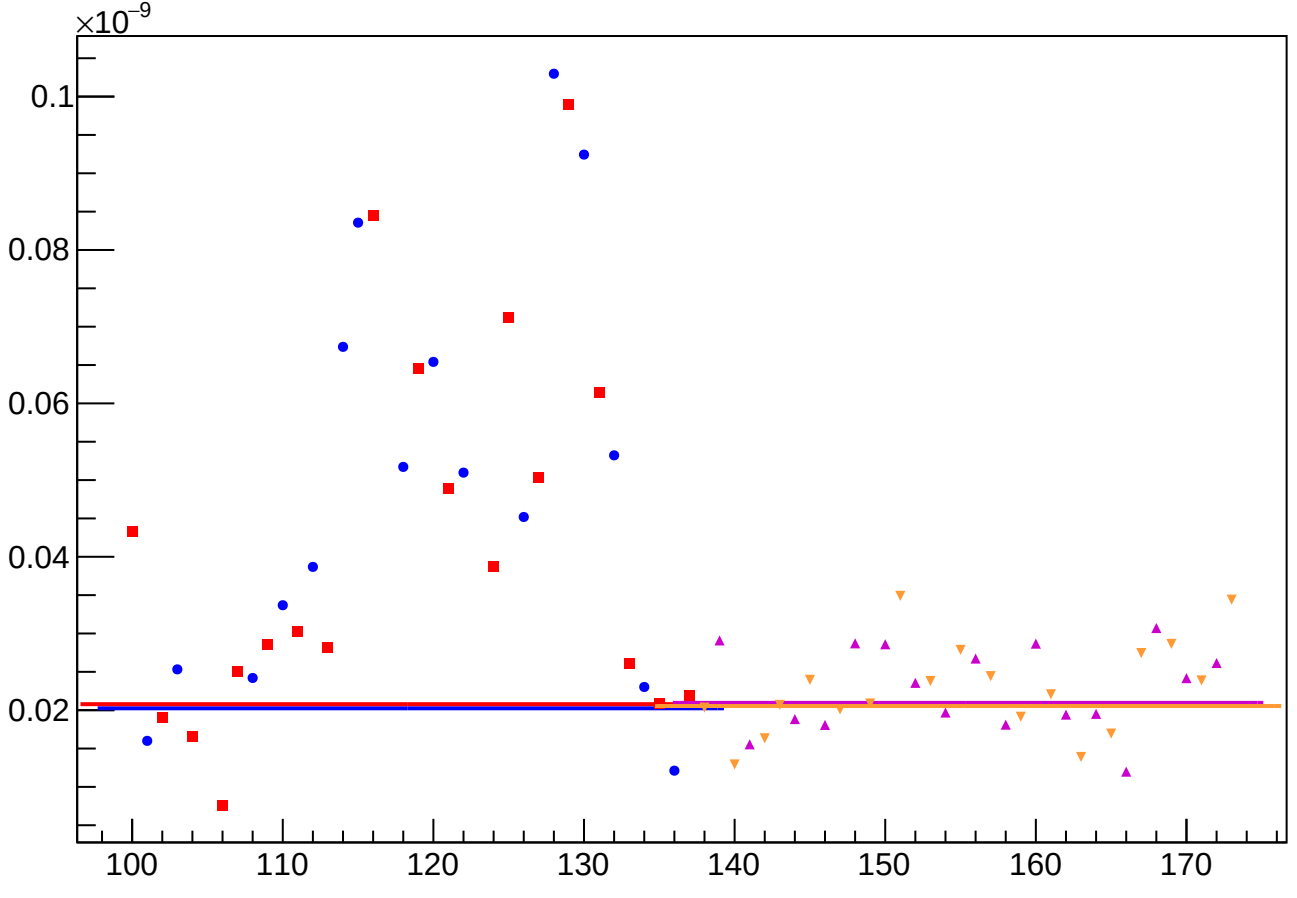
Left: 0.000+/-0.000 χ^2/NDF: 34.3/35

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: 0.000+/-0.000 χ^2/NDF:28.2/32

Out: 0.000+/-0.000 χ^2/NDF:45.0/37

All: 0.000+/-0.000 χ^2/NDF: 75.1/70



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:857032.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:668626.0/16

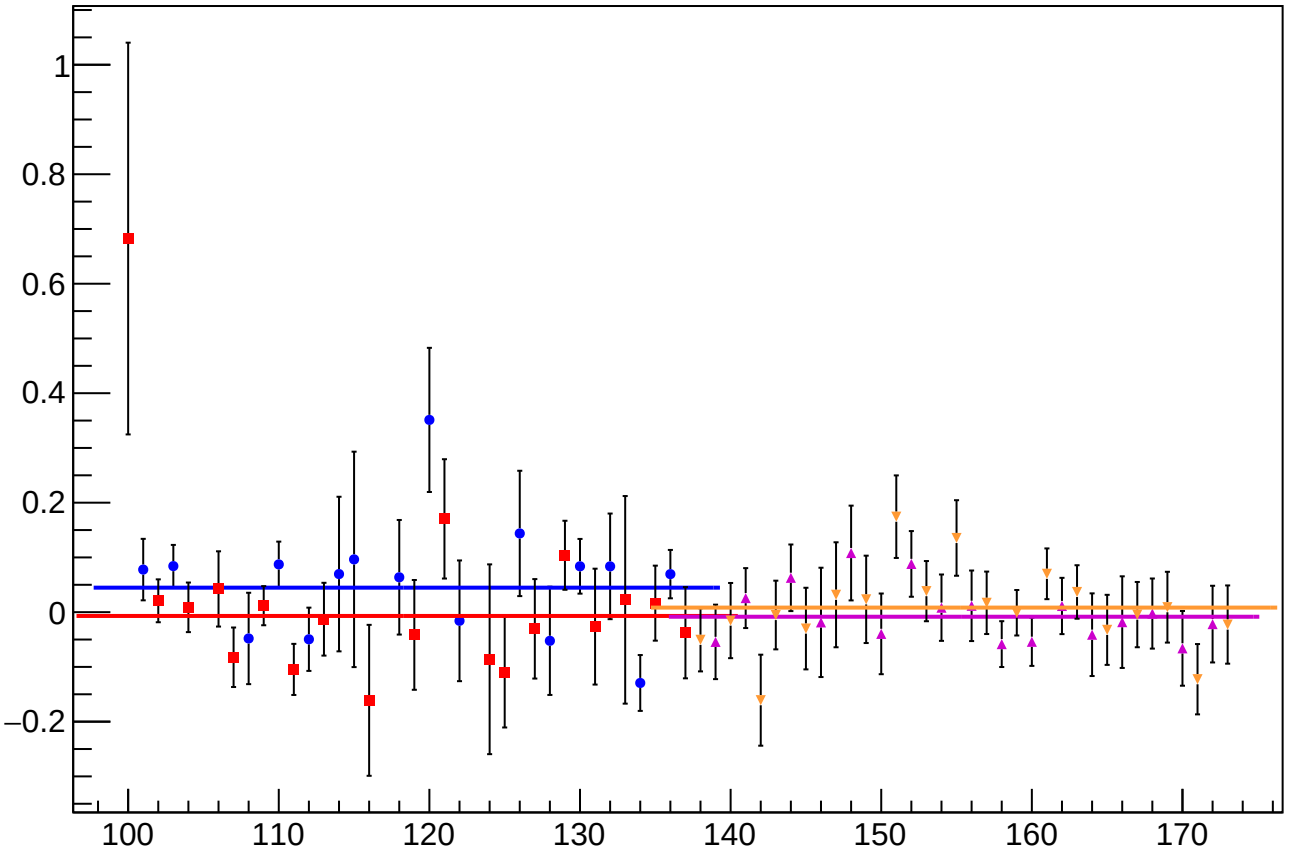
Left: 0.000+/-0.000 χ^2/NDF: 1527779.3/35

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2677260.7/32

Out: 0.000+/-0.000 χ^2/NDF:2713361.6/37

All: 0.000+/-0.000 χ^2/NDF: 5390821.9/70



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.008+/-0.014 χ^2/NDF:21.2/18

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.008+/-0.015 χ^2/NDF:10.6/16

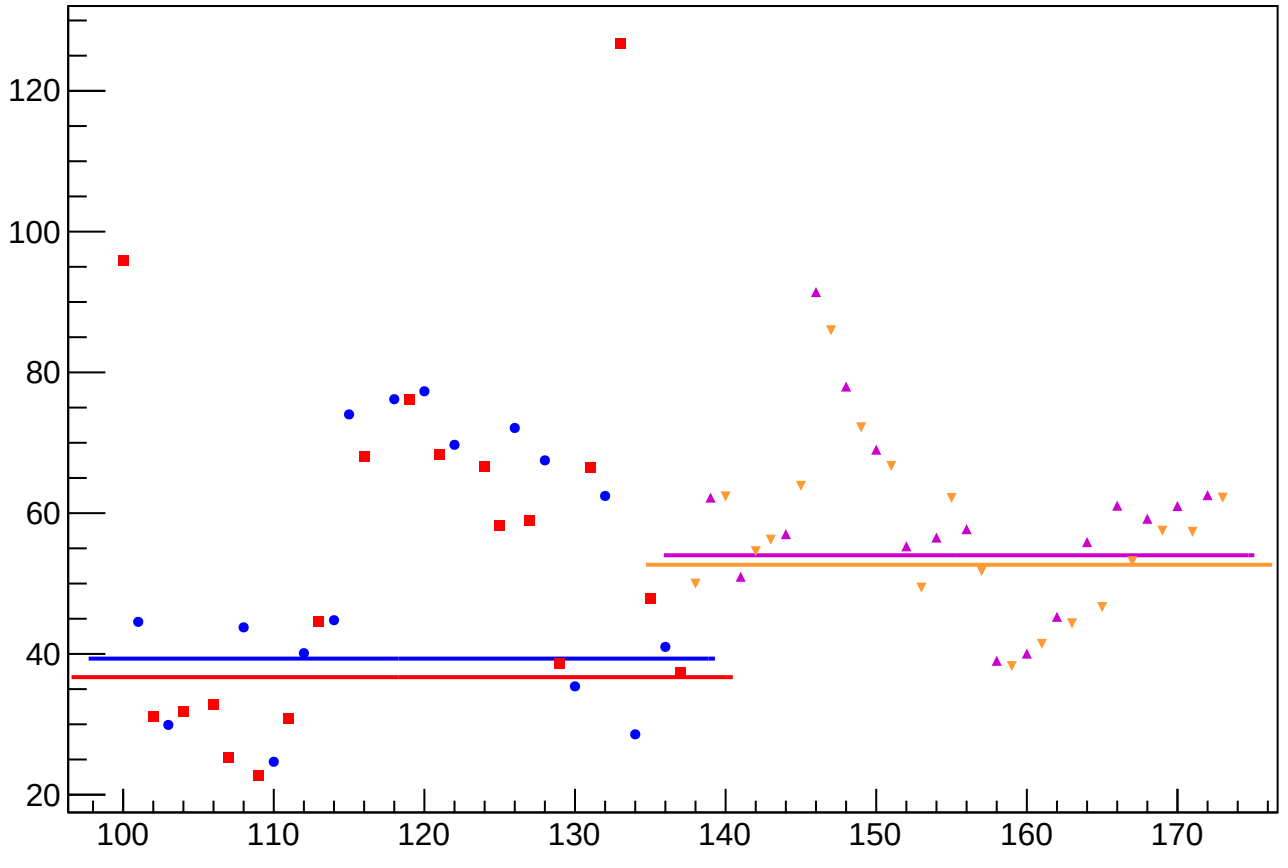
Left: 0.001+/-0.010 χ^2/NDF: 32.5/35

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.016+/-0.011 χ^2/NDF:43.1/32

Out: 0.001+/-0.010 χ^2/NDF:41.9/37

All: 0.008+/-0.007 χ^2/NDF: 86.0/70



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 52.667+/-0.010 χ^2/NDF:1063788.7/18

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 54.018+/-0.011 χ^2/NDF:1162494.2/16

Left: 53.302+/-0.007 χ^2/NDF: 2234927.7/35

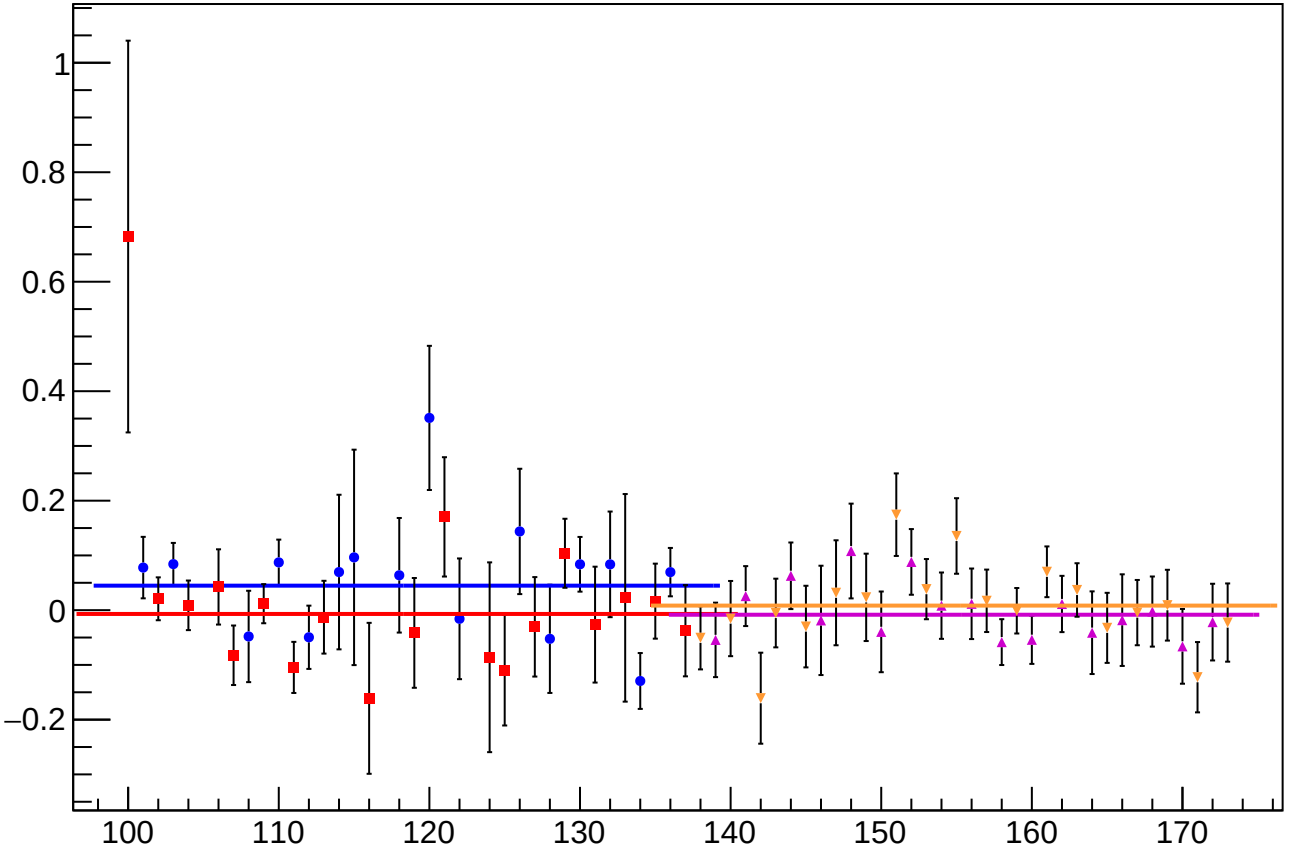
Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 47.183+/-0.008 χ^2/NDF:3626862.7/32

Out: 45.249+/-0.007 χ^2/NDF:4356298.9/37

All: 46.159+/-0.005 χ^2/NDF: 8016312.4/70

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.008+/-0.014 χ^2/NDF:21.2/18

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.008+/-0.015 χ^2/NDF:10.6/16

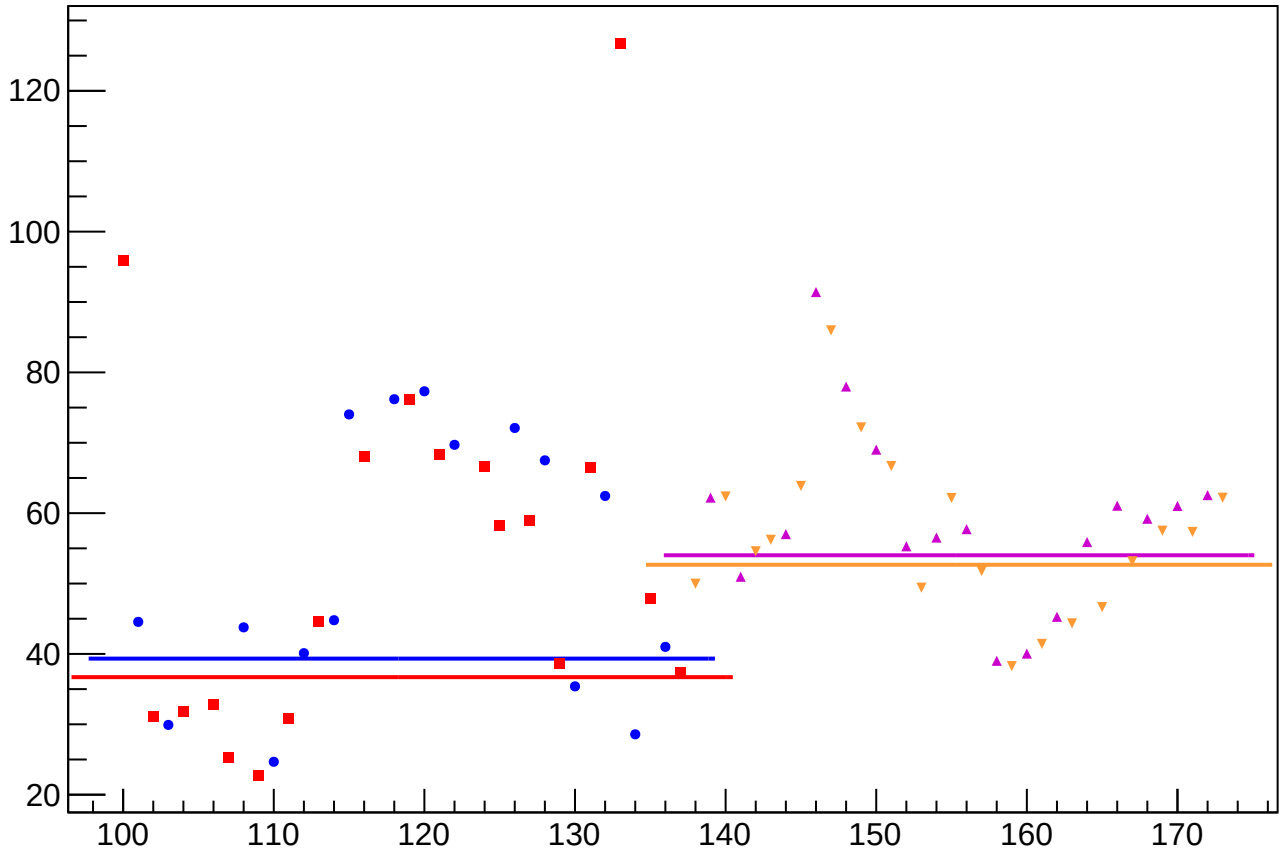
Left: 0.001+/-0.010 χ^2/NDF: 32.5/35

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.016+/-0.011 χ^2/NDF:43.1/32

Out: 0.001+/-0.010 χ^2/NDF:41.9/37

All: 0.008+/-0.007 χ^2/NDF: 86.0/70



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 52.667+/-0.010 χ^2/NDF:1063788.7/18

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 54.018+/-0.011 χ^2/NDF:1162494.2/16

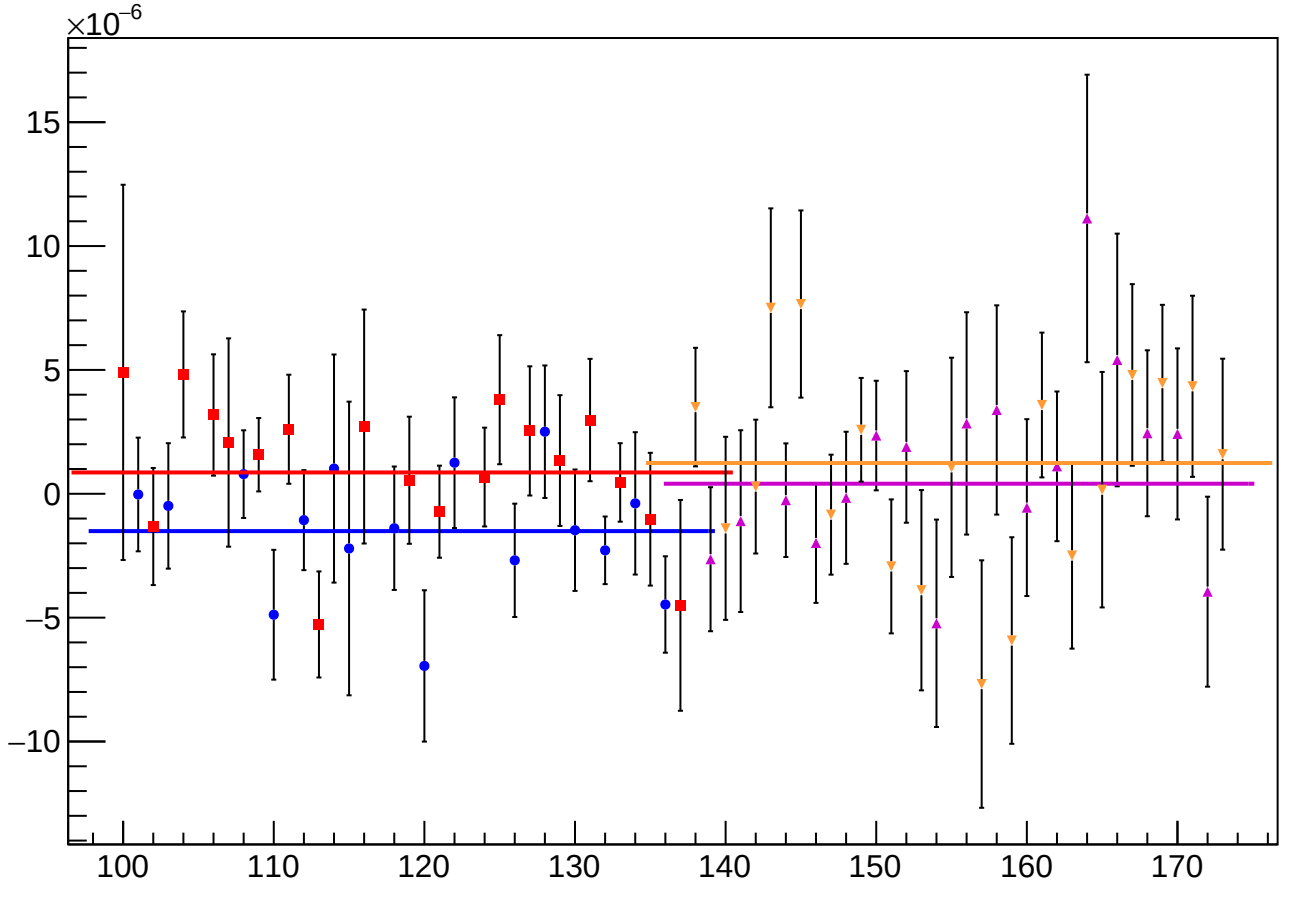
Left: 53.302+/-0.007 χ^2/NDF: 2234927.7/35

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 47.183+/-0.008 χ^2/NDF:3626862.7/32

Out: 45.249+/-0.007 χ^2/NDF:4356298.9/37

All: 46.159+/-0.005 χ^2/NDF: 8016312.4/70



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: 0.000+/-0.000 χ^2/NDF:12.5/16

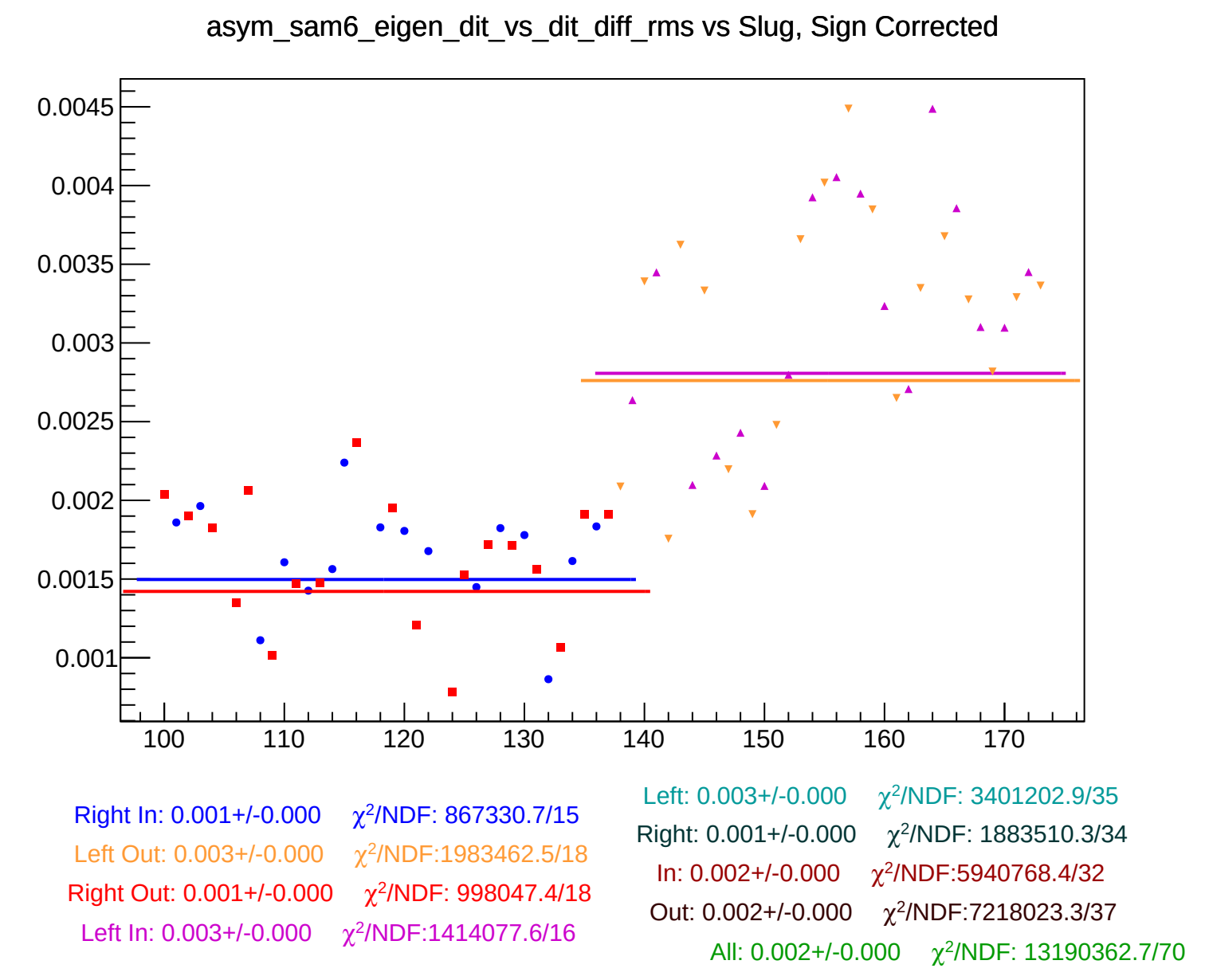
Left: 0.000+/-0.000 χ^2/NDF: 35.6/35

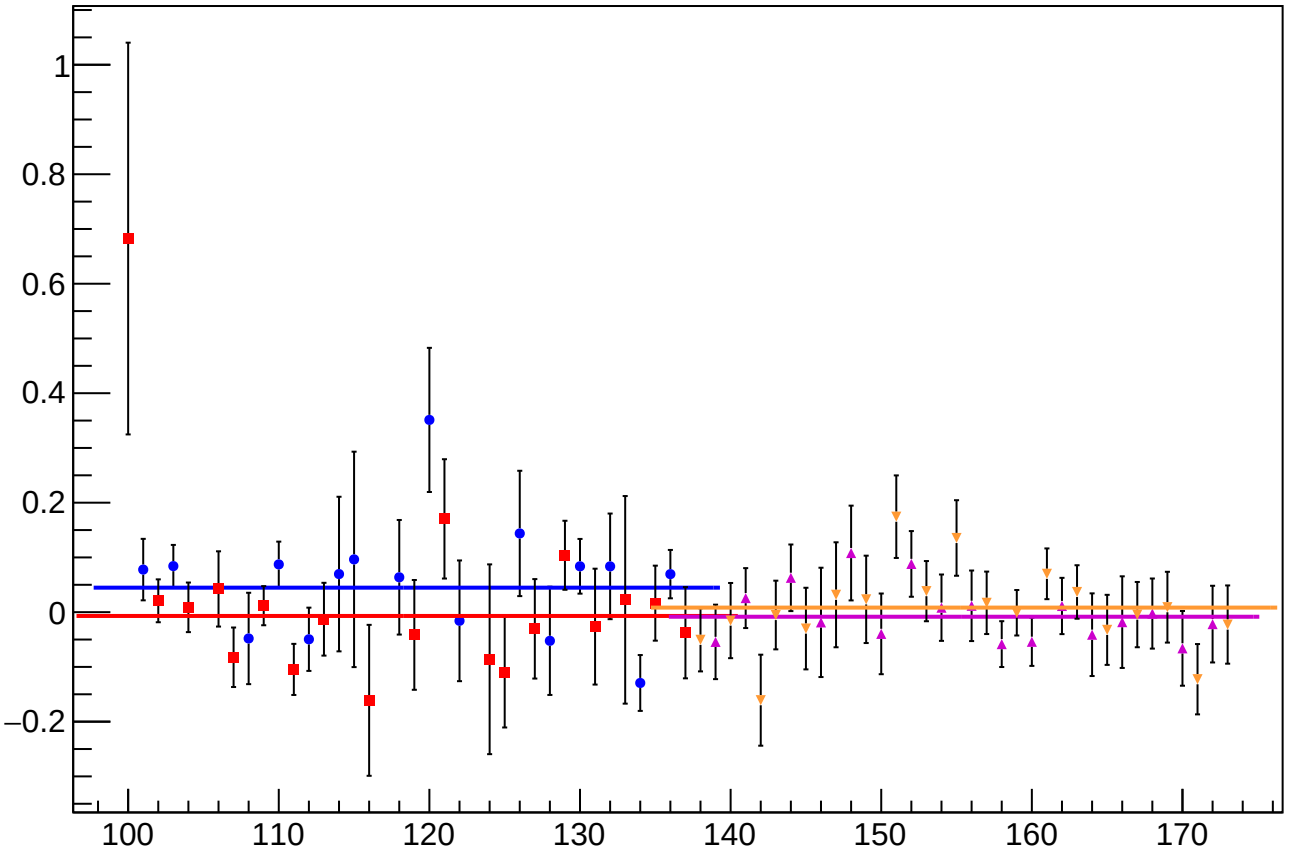
Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:30.3/32

Out: 0.000+/-0.000 χ^2/NDF:41.8/37

All: 0.000+/-0.000 χ^2/NDF: 80.1/70


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
170
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.003+/-0.000 χ²/NDF:1983462.5/18
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:1414077.6/16
Left: 0.003+/-0.000 χ²/NDF: 3401202.9/35
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:5940768.4/32
Out: 0.002+/-0.000 χ²/NDF:7218023.3/37
All: 0.002+/-0.000 χ²/NDF: 13190362.7/70



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.008+/-0.014 χ^2/NDF:21.2/18

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.008+/-0.015 χ^2/NDF:10.6/16

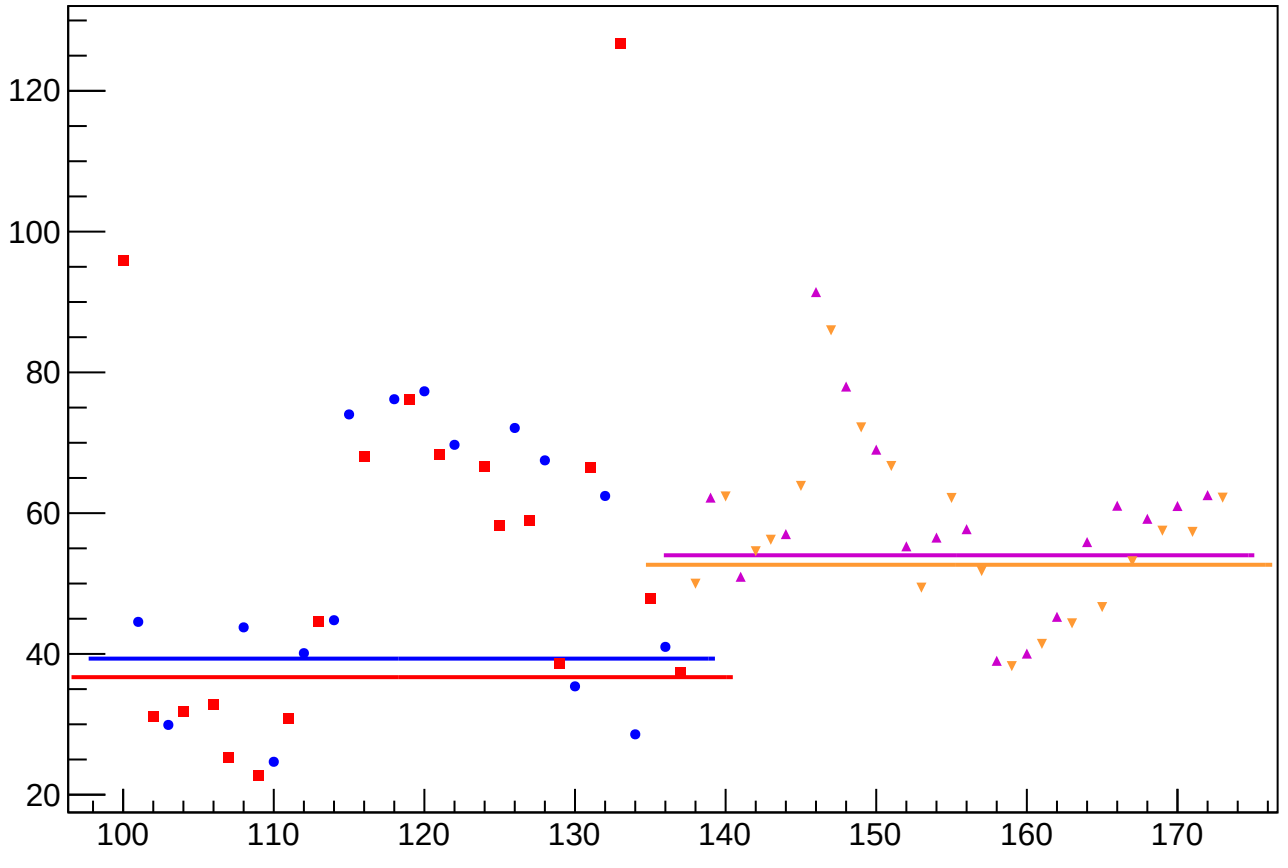
Left: 0.001+/-0.010 χ^2/NDF: 32.5/35

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.016+/-0.011 χ^2/NDF:43.1/32

Out: 0.001+/-0.010 χ^2/NDF:41.9/37

All: 0.008+/-0.007 χ^2/NDF: 86.0/70



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 52.666+/-0.010 χ^2/NDF:1063876.1/18

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 54.016+/-0.011 χ^2/NDF:1162629.7/16

Left: 53.301+/-0.007 χ^2/NDF: 2235148.5/35

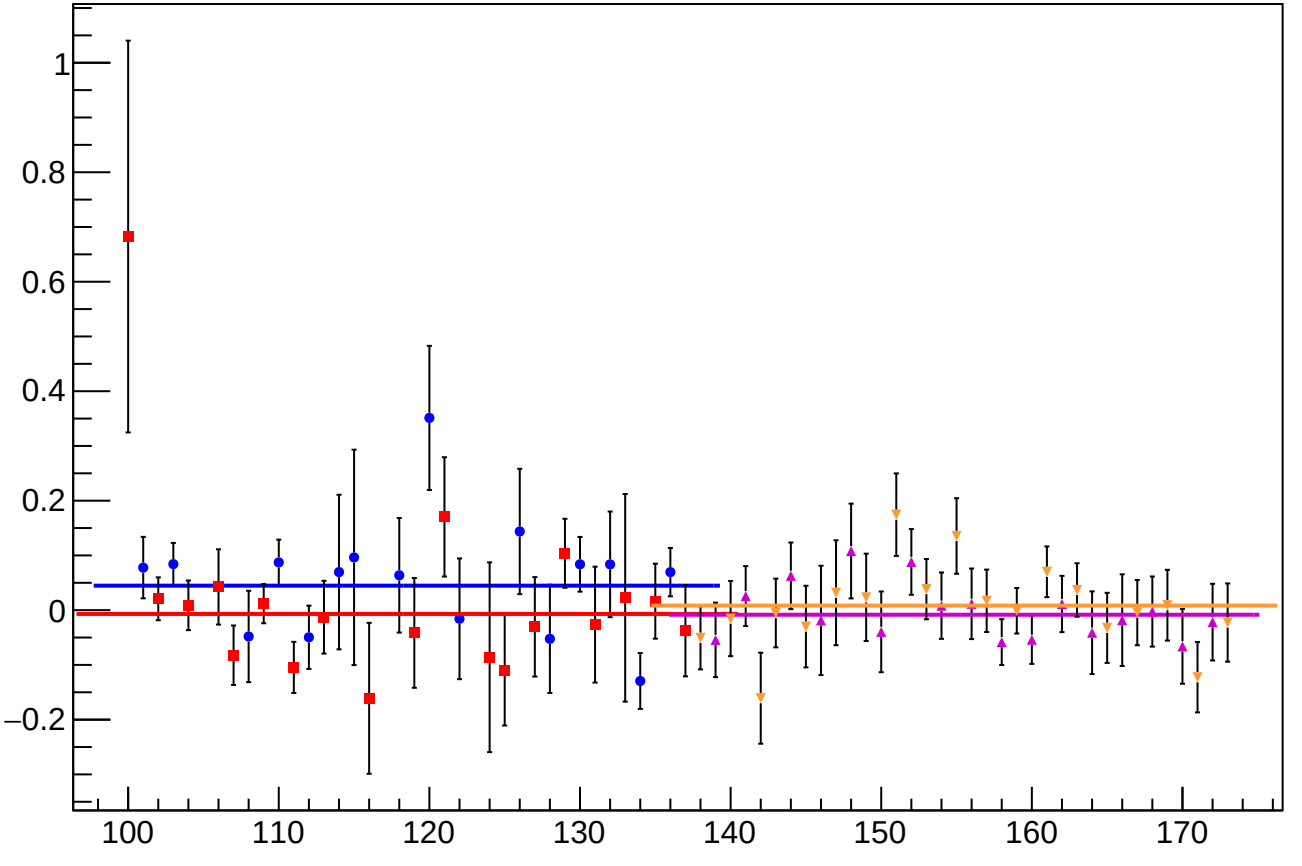
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 47.182+/-0.008 χ^2/NDF:3626963.1/32

Out: 45.249+/-0.007 χ^2/NDF:4356292.2/37

All: 46.158+/-0.005 χ^2/NDF: 8016398.3/70

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.008+/-0.014 χ^2/NDF:21.2/18

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.008+/-0.015 χ^2/NDF:10.6/16

Left: 0.001+/-0.010 χ^2/NDF: 32.5/35

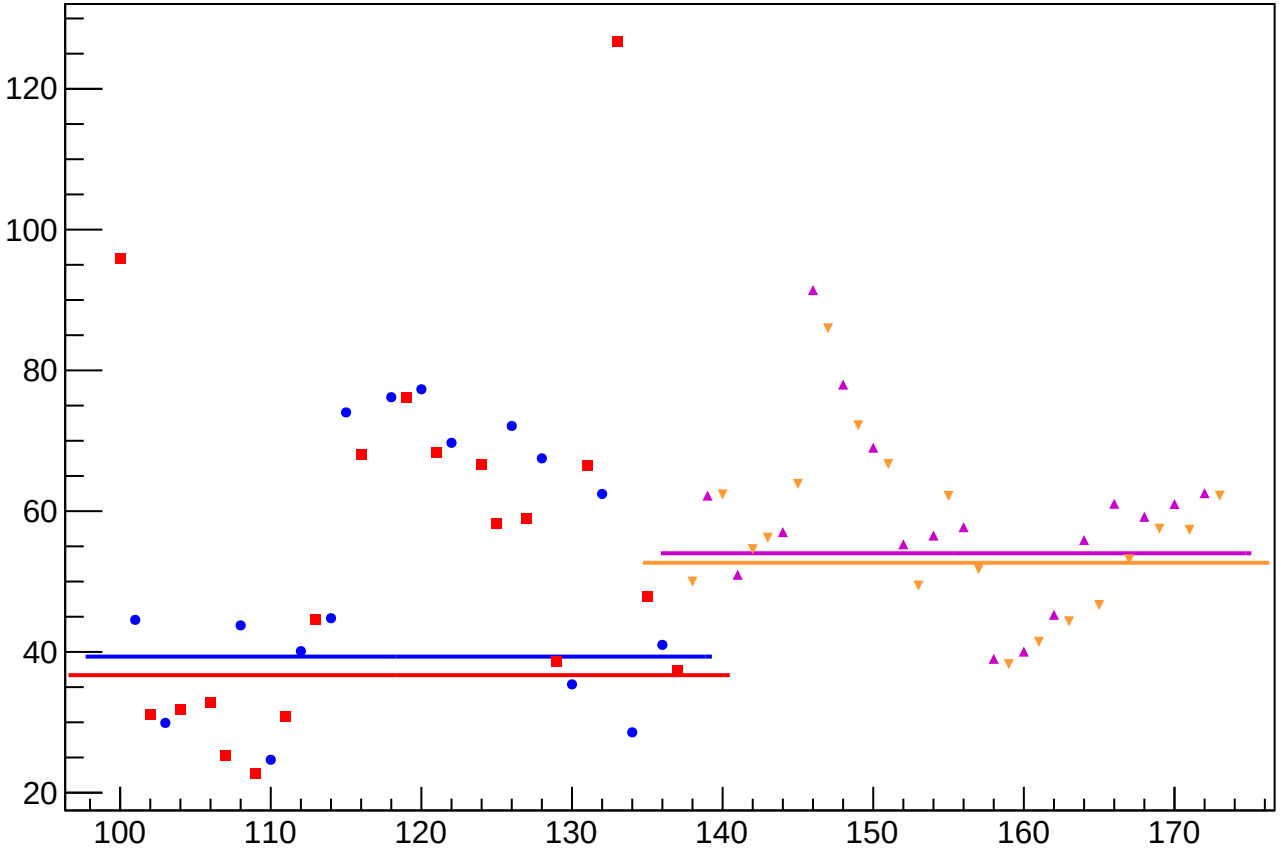
Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.016+/-0.011 χ^2/NDF:43.1/32

Out: 0.001+/-0.010 χ^2/NDF:41.9/37

All: 0.008+/-0.007 χ^2/NDF: 86.0/70

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 52.666+/-0.010 χ^2/NDF:1063876.1/18

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 54.016+/-0.011 χ^2/NDF:1162629.7/16

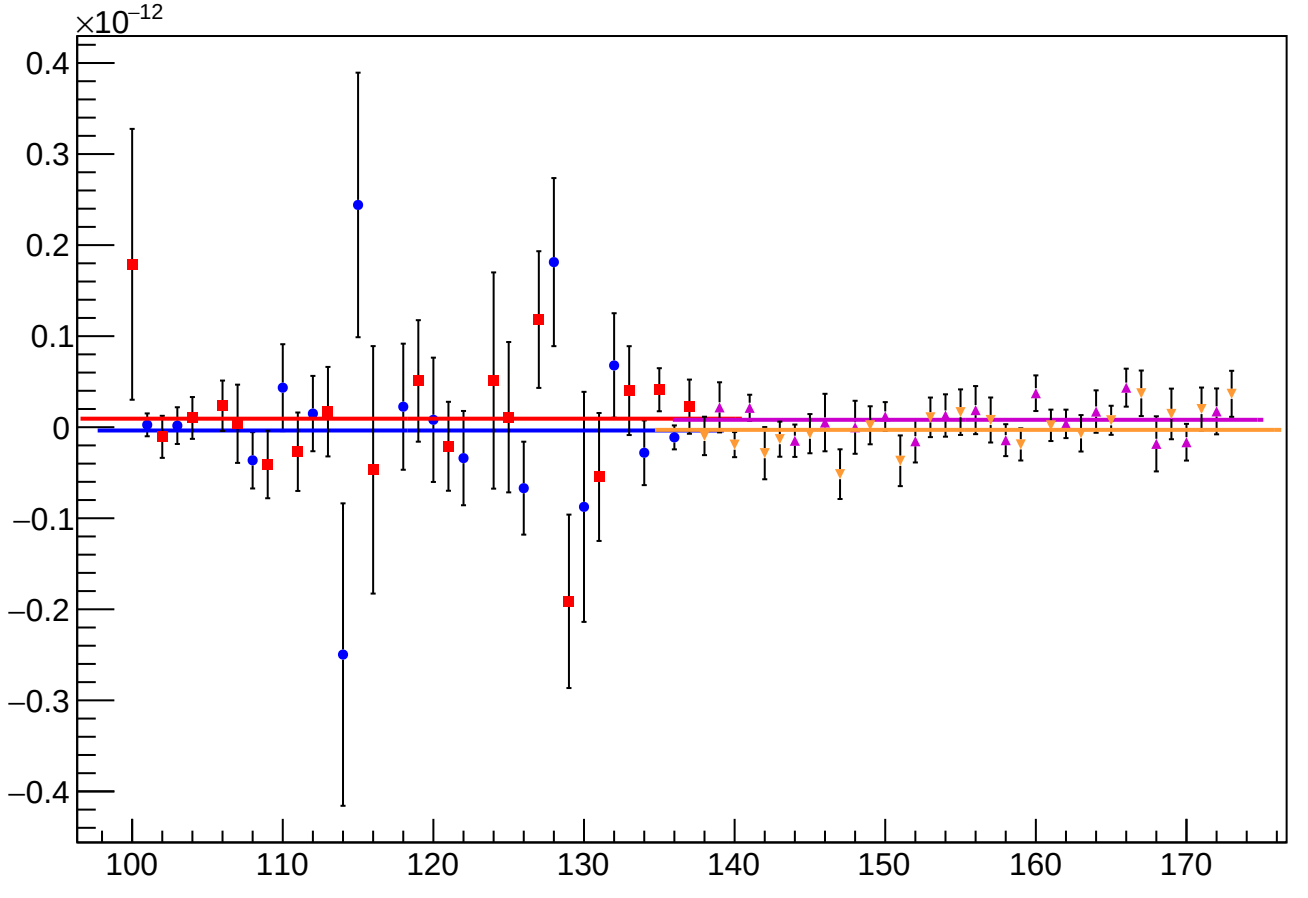
Left: 53.301+/-0.007 χ^2/NDF: 2235148.5/35

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 47.182+/-0.008 χ^2/NDF:3626963.1/32

Out: 45.249+/-0.007 χ^2/NDF:4356292.2/37

All: 46.158+/-0.005 χ^2/NDF: 8016398.3/70



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:13.5/16

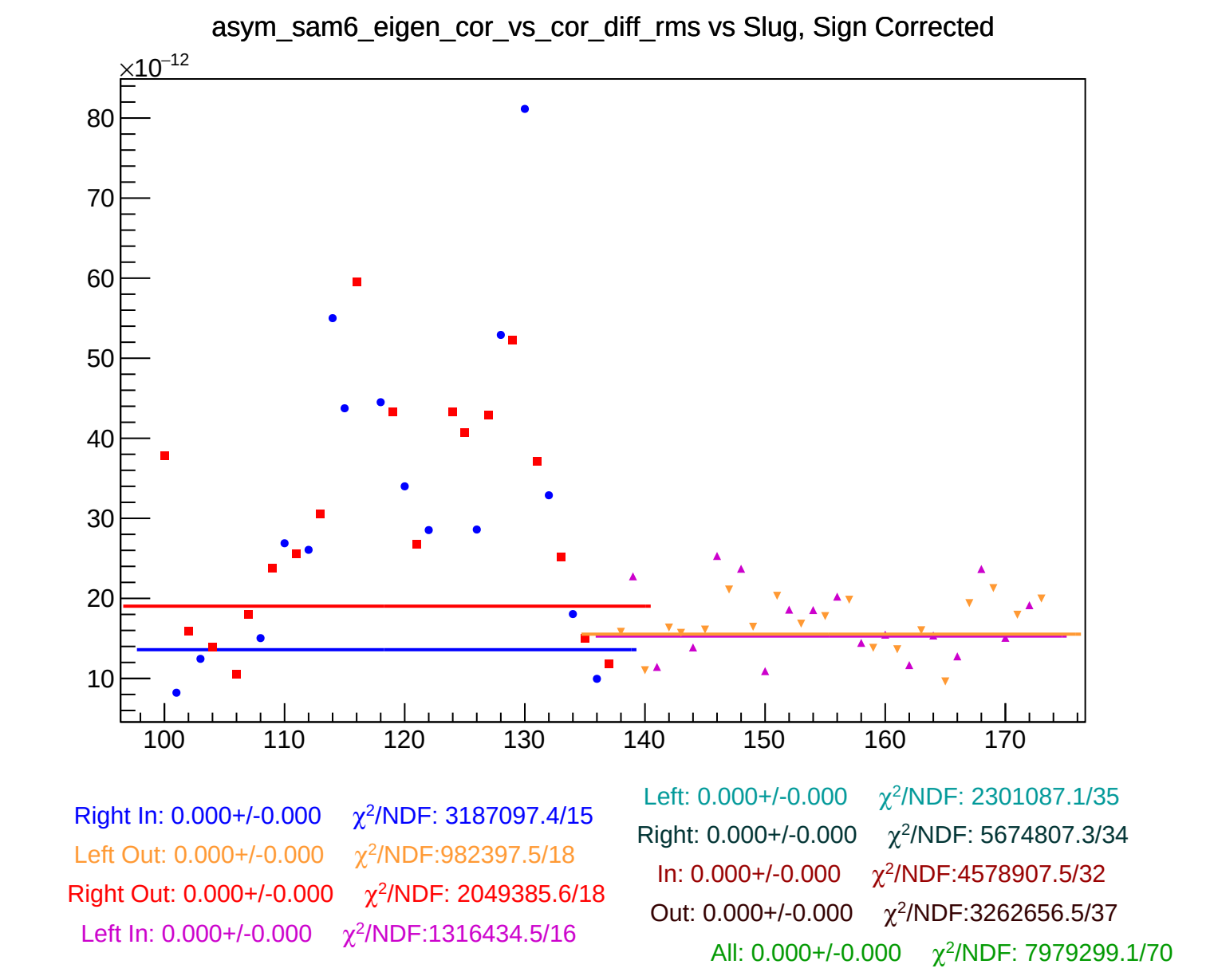
Left: 0.000+/-0.000 χ^2/NDF: 32.2/35

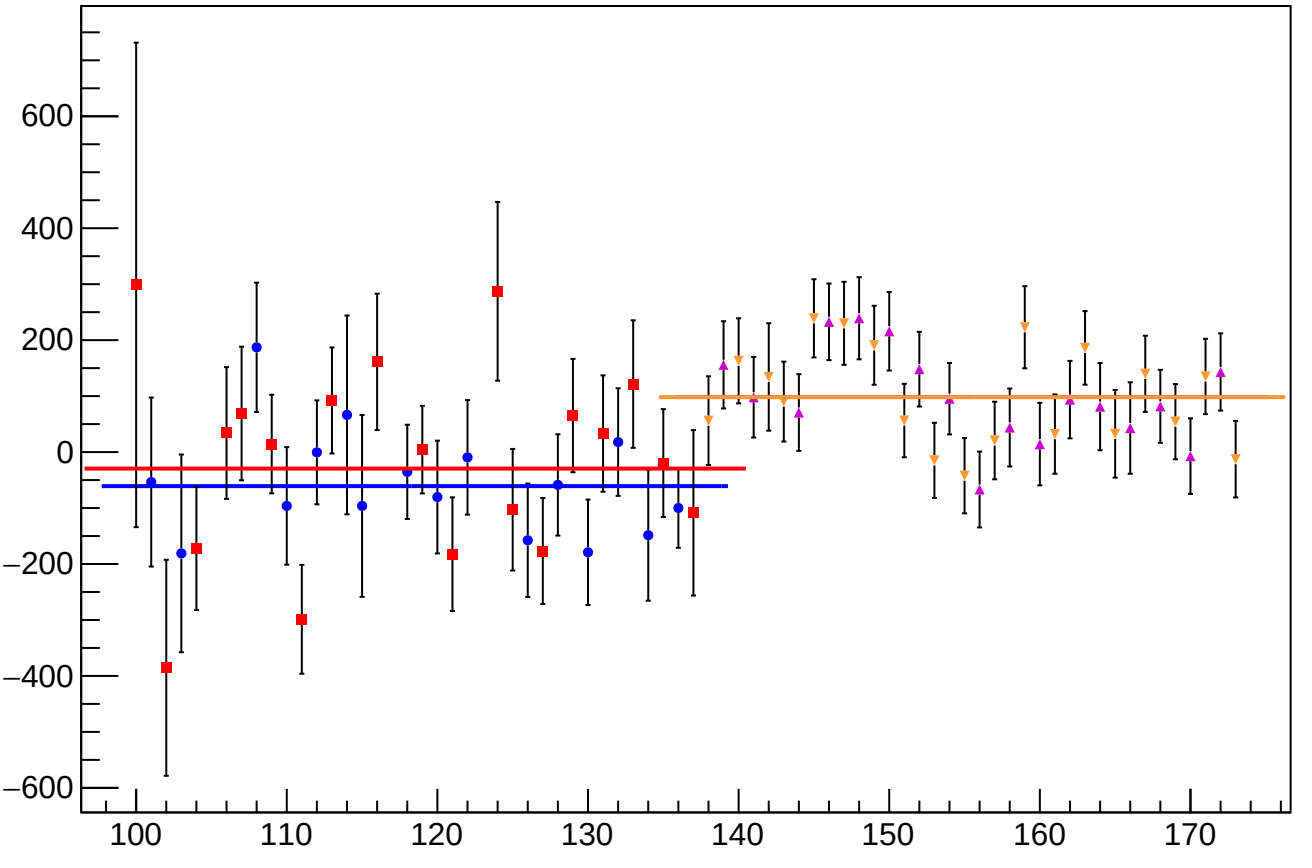
Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:31.8/32

Out: -0.000+/-0.000 χ^2/NDF:33.4/37

All: 0.000+/-0.000 χ^2/NDF: 65.8/70


asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:982397.5/18
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:1316434.5/16
Left: 0.000+/-0.000 χ²/NDF: 2301087.1/35
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:4578907.5/32
Out: 0.000+/-0.000 χ²/NDF:3262656.5/37
All: 0.000+/-0.000 χ²/NDF: 7979299.1/70



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 98.132+/-16.310 χ^2/NDF:28.9/18

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 98.395+/-17.057 χ^2/NDF:22.9/16

Left: 98.258+/-11.788 χ^2/NDF: 51.8/35

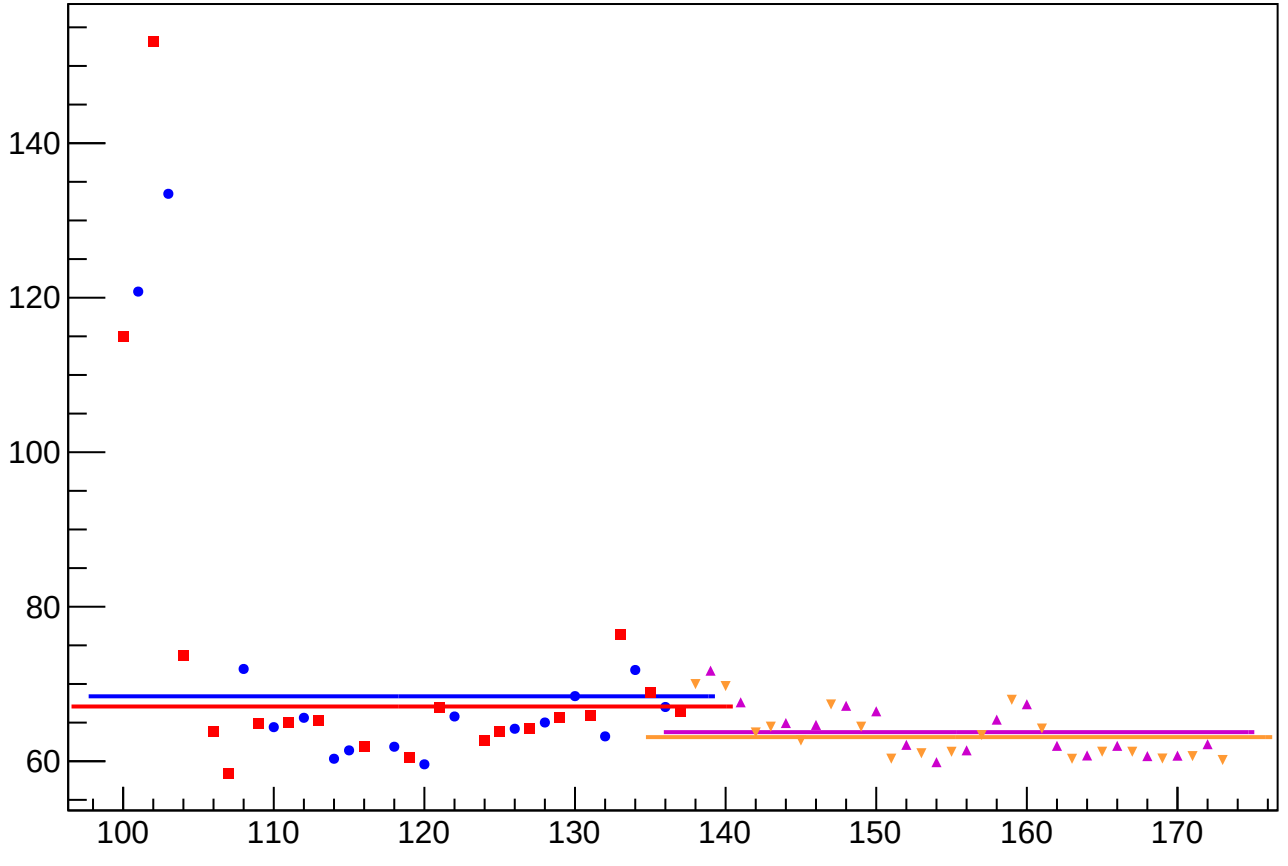
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 50.621+/-14.270 χ^2/NDF:59.6/32

Out: 60.265+/-13.677 χ^2/NDF:78.3/37

All: 55.648+/-9.874 χ^2/NDF: 138.2/70

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 63.121+/-0.012 χ^2/NDF:70726.1/18

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 63.766+/-0.012 χ^2/NDF:66617.2/16

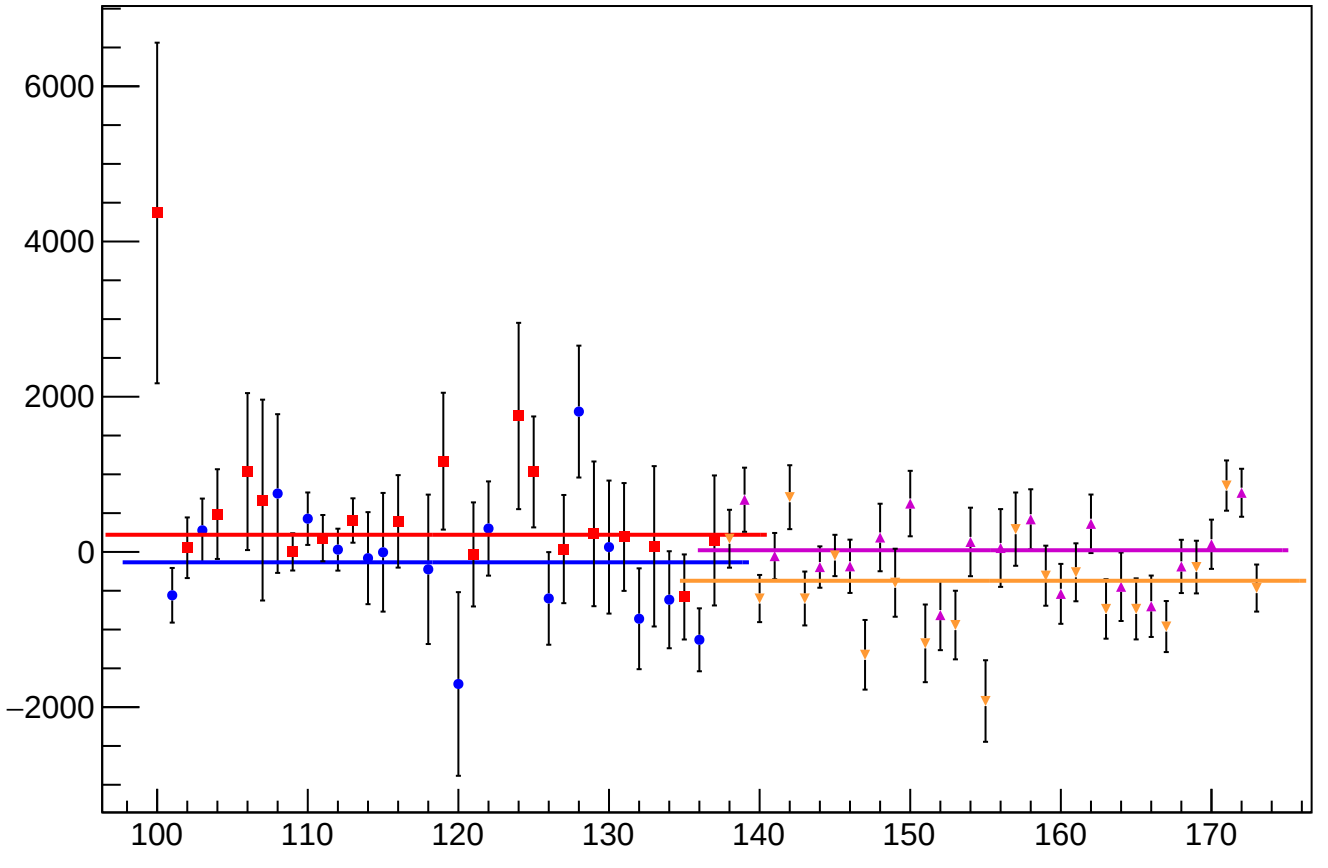
Left: 63.429+/-0.008 χ^2/NDF: 138836.8/35

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 65.157+/-0.010 χ^2/NDF:680528.4/32

Out: 64.298+/-0.010 χ^2/NDF:587616.4/37

All: 64.709+/-0.007 χ^2/NDF: 1271925.8/70



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -371.468+/-84.768 χ^2/NDF:50.7/18

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: 21.854+/-89.292 χ^2/NDF:23.9/16

Left: -185.024+/-61.477 χ^2/NDF: 84.8/35

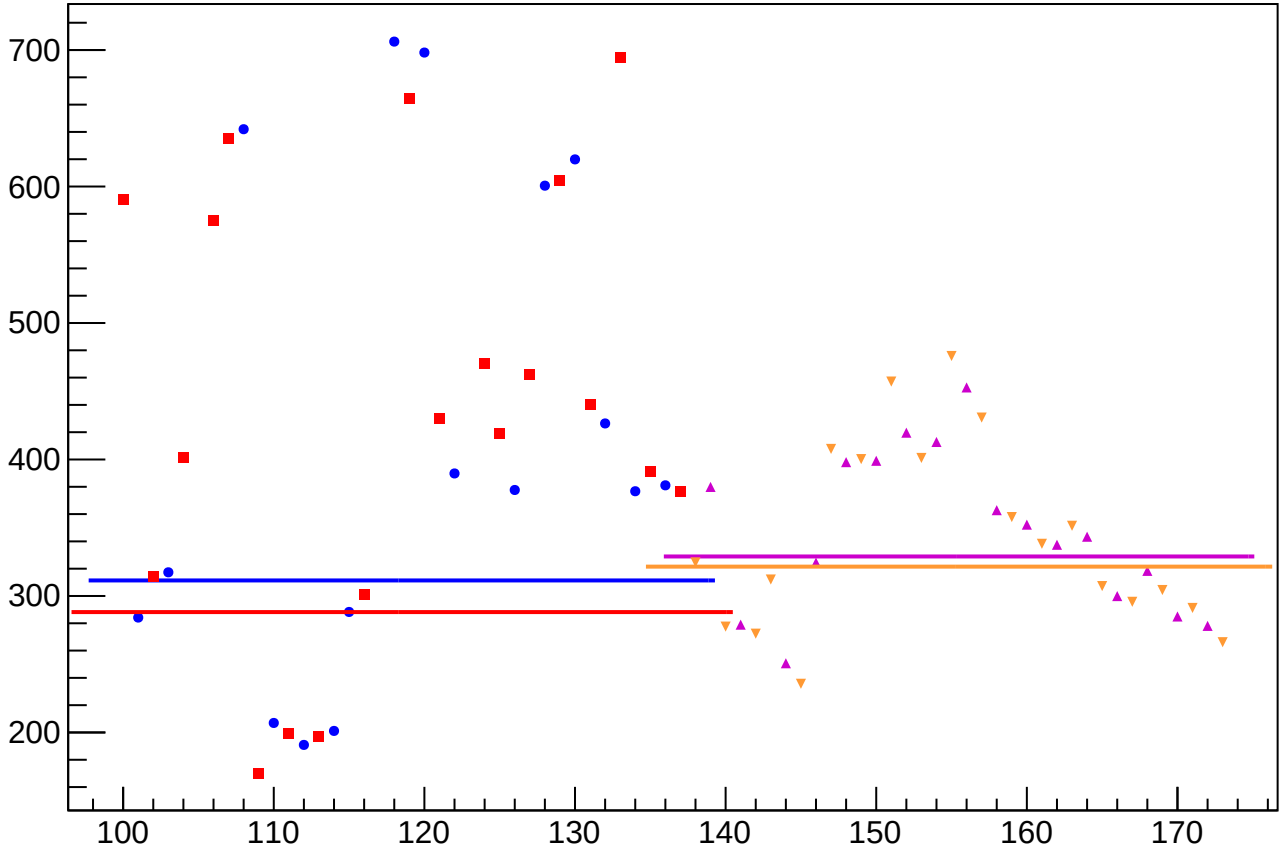
Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -30.166+/-72.834 χ^2/NDF:47.3/32

Out: -169.194+/-68.802 χ^2/NDF:79.9/37

All: -103.635+/-50.015 χ^2/NDF: 129.2/70

asym_sam7_reg_correction_rms vs Slug, Sign Corrected



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 321.508+/-0.060 χ^2/NDF:1047539.1/18

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 328.952+/-0.063 χ^2/NDF:770864.0/16

Left: 325.036+/-0.043 χ^2/NDF: 1825713.2/35

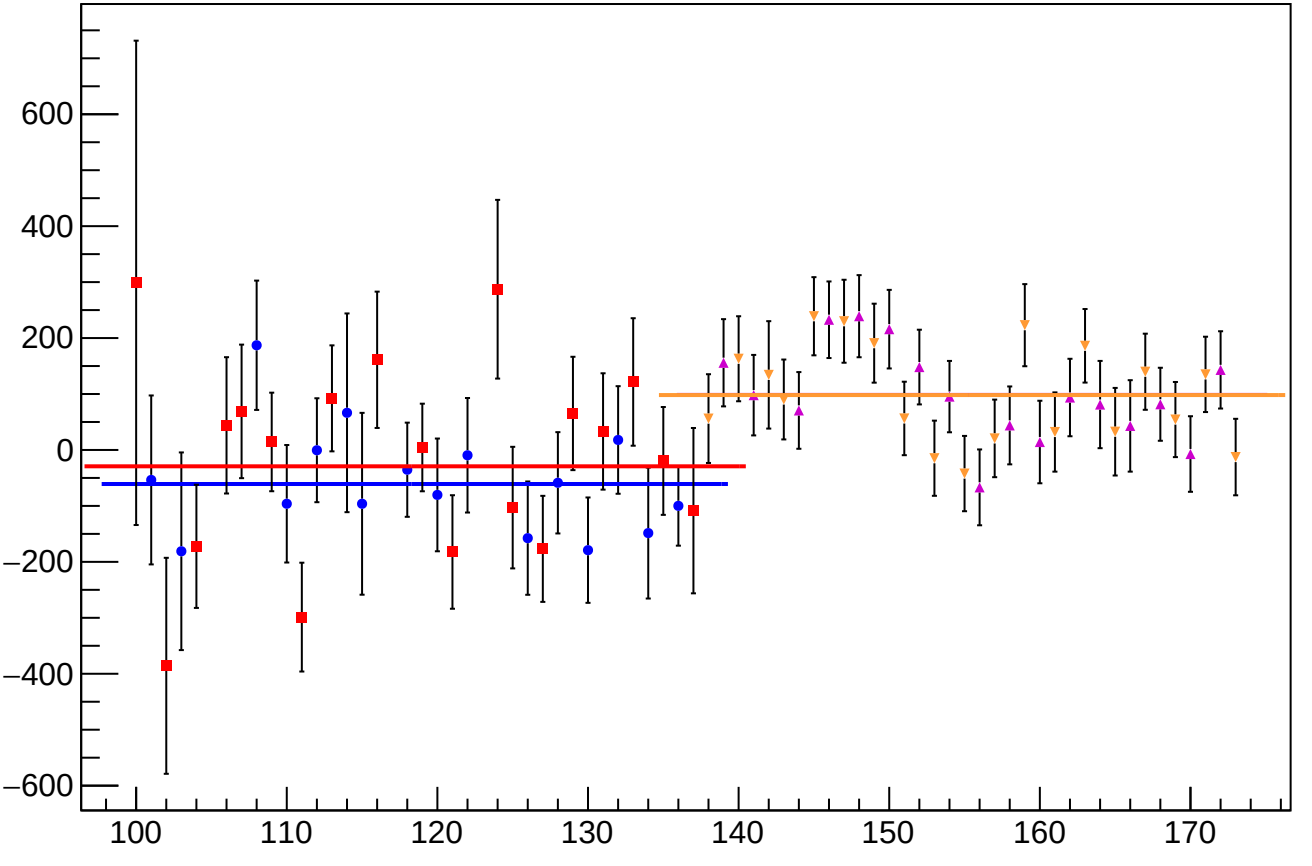
Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 323.073+/-0.052 χ^2/NDF:2920562.7/32

Out: 310.144+/-0.049 χ^2/NDF:3868256.5/37

All: 316.241+/-0.035 χ^2/NDF: 6822122.4/70

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 98.132+/-16.310 χ^2/NDF:28.9/18

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 98.393+/-17.057 χ^2/NDF:22.9/16

Left: 98.257+/-11.788 χ^2/NDF: 51.8/35

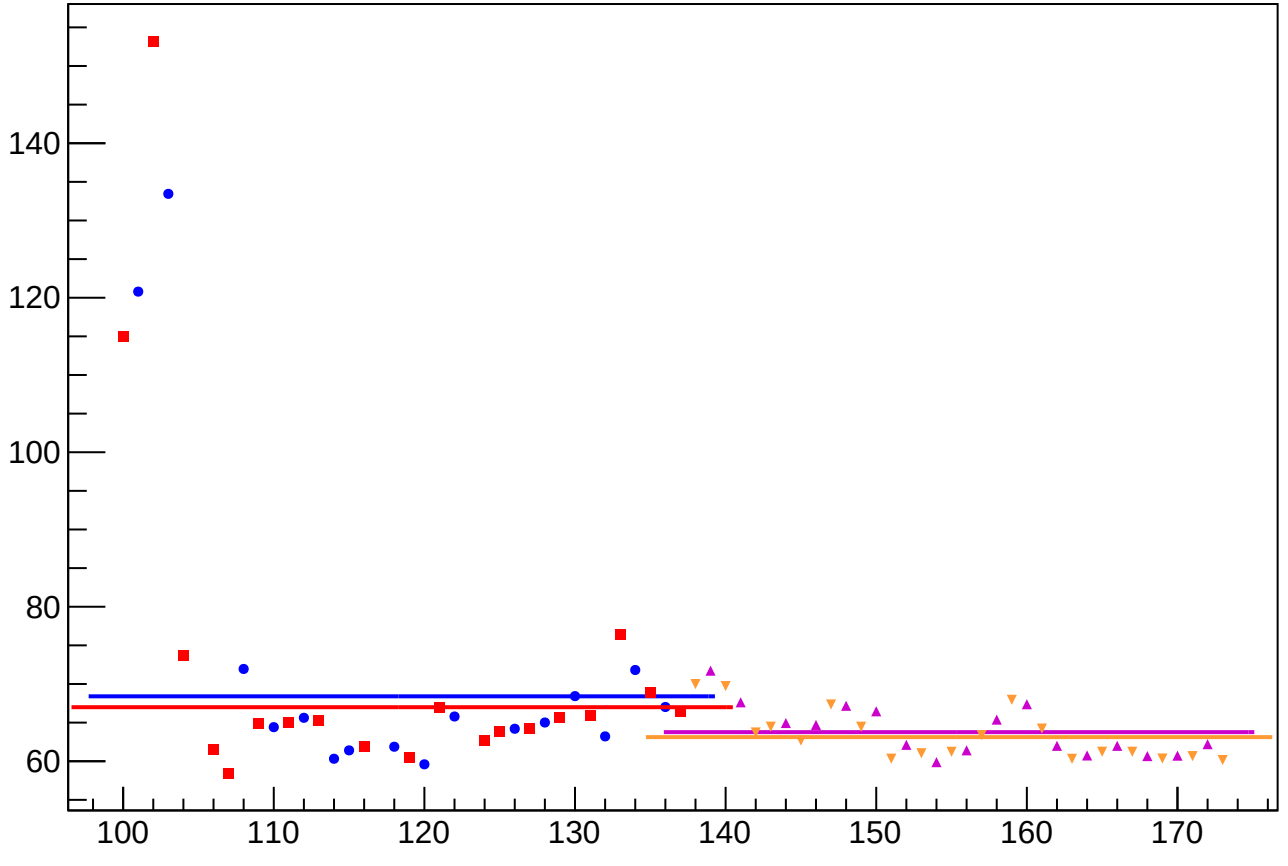
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 50.619+/-14.270 χ^2/NDF:59.6/32

Out: 60.414+/-13.683 χ^2/NDF:78.3/37

All: 55.722+/-9.877 χ^2/NDF: 138.1/70

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.121+/-0.012 χ^2/NDF:70726.1/18

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 63.766+/-0.012 χ^2/NDF:66617.2/16

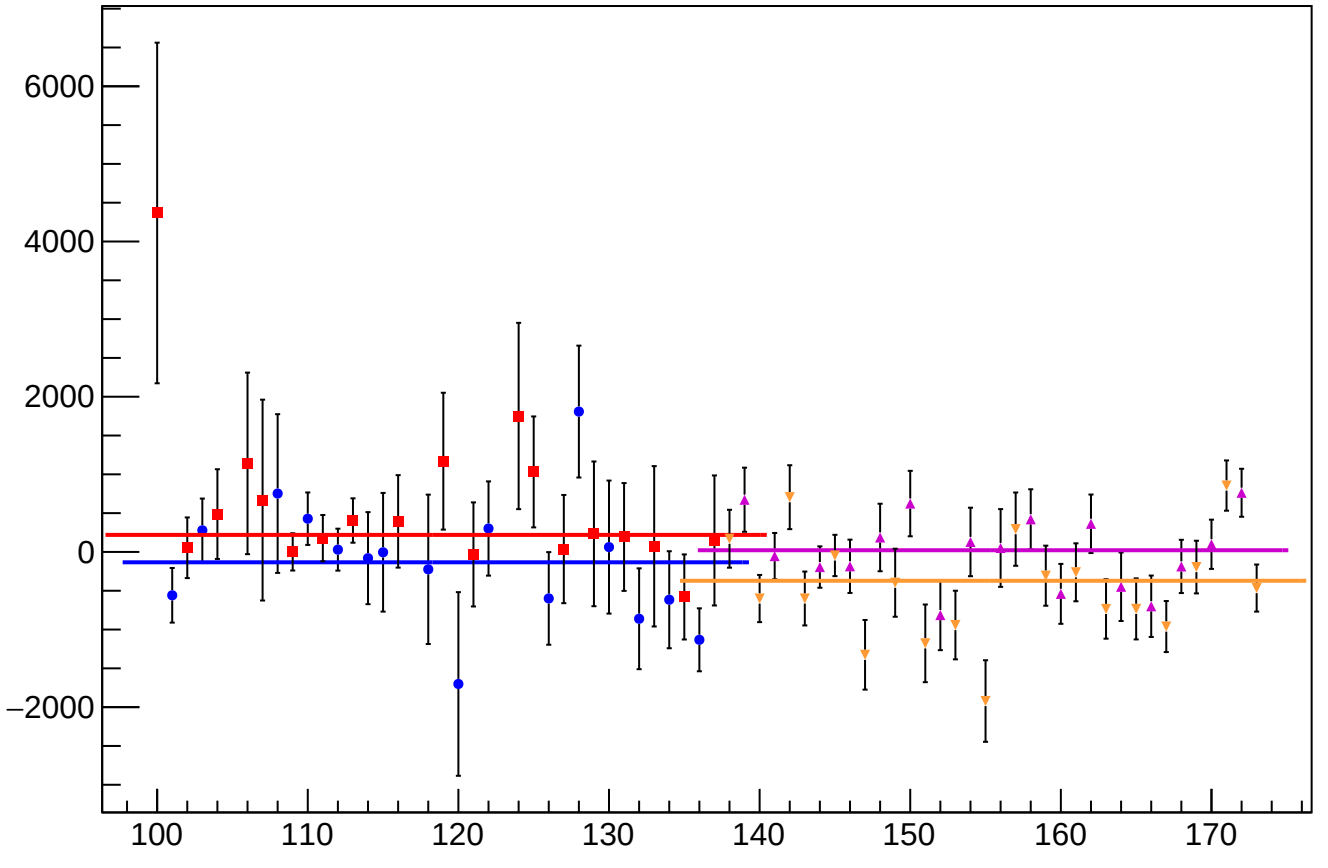
Left: 63.429+/-0.008 χ^2/NDF: 138836.7/35

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.157+/-0.010 χ^2/NDF:680528.8/32

Out: 64.268+/-0.010 χ^2/NDF:588624.9/37

All: 64.694+/-0.007 χ^2/NDF: 1273196.6/70



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -371.468+/-84.768 χ^2/NDF:50.7/18

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 21.847+/-89.292 χ^2/NDF:23.9/16

Left: -185.027+/-61.477 χ^2/NDF: 84.8/35

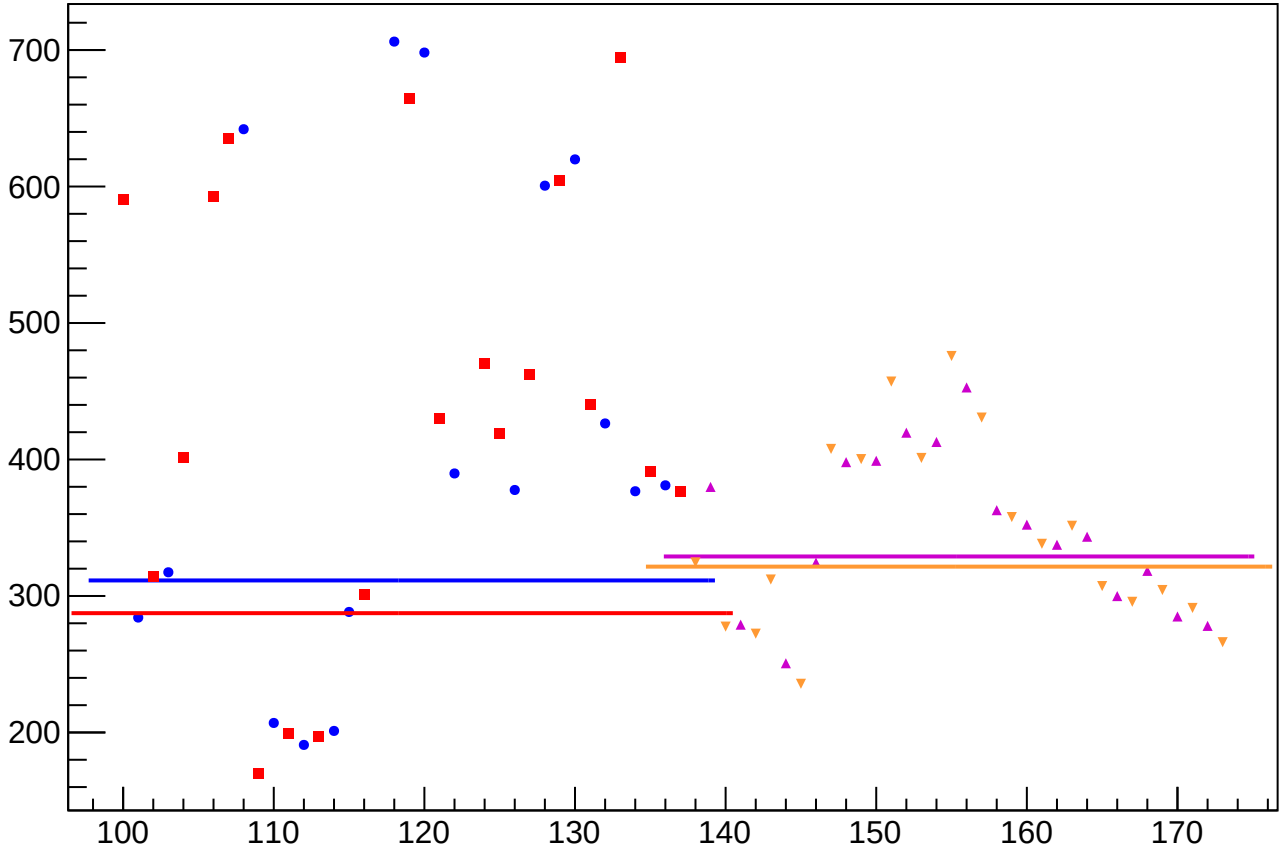
Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -30.169+/-72.835 χ^2/NDF:47.3/32

Out: -170.243+/-68.843 χ^2/NDF:79.8/37

All: -104.149+/-50.031 χ^2/NDF: 129.1/70

asym_sam7_cor_correction_rms vs Slug, Sign Corrected



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 321.508+/-0.060 χ^2/NDF:1047542.8/18

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 328.952+/-0.063 χ^2/NDF:770867.6/16

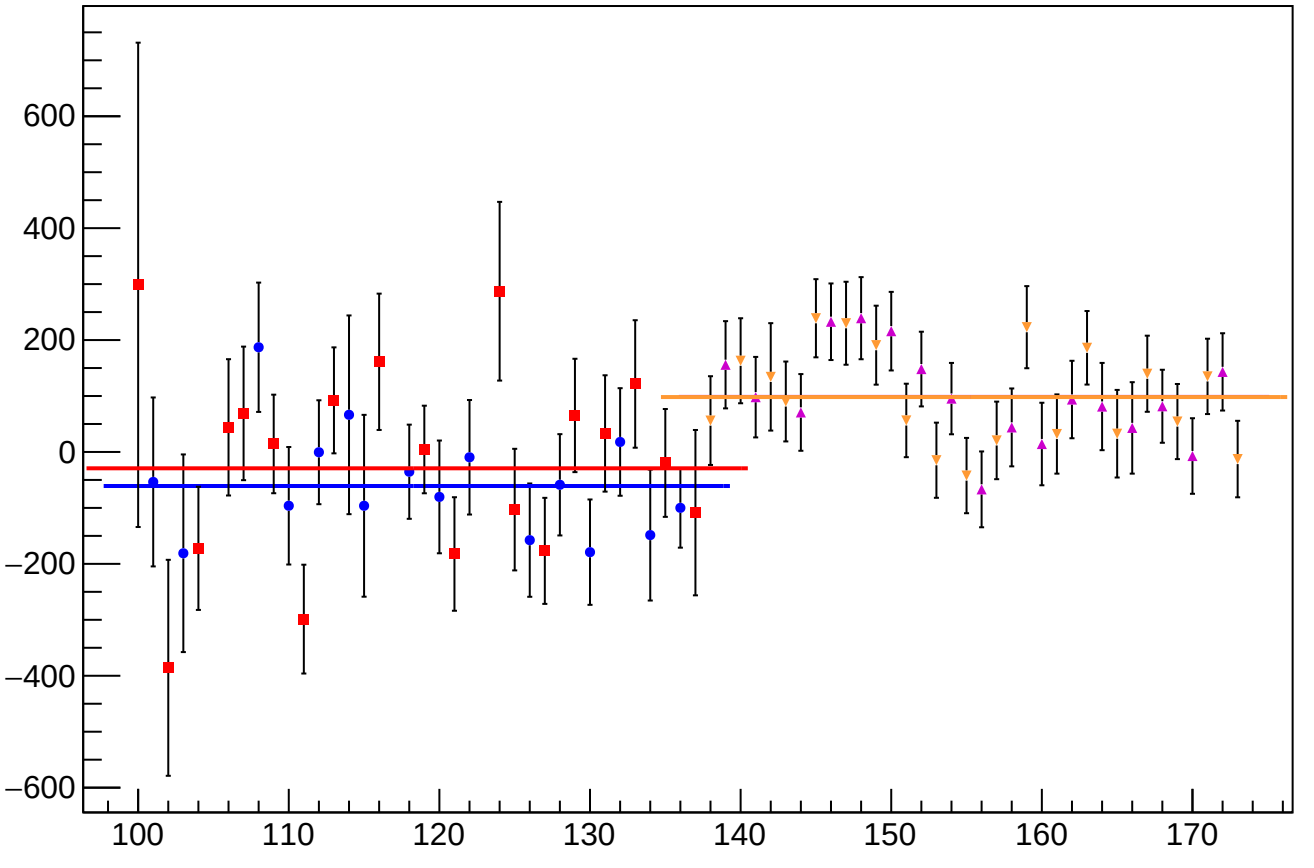
Left: 325.036+/-0.043 χ^2/NDF: 1825720.6/35

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 323.074+/-0.052 χ^2/NDF:2920561.6/32

Out: 309.901+/-0.049 χ^2/NDF:3847949.5/37

All: 316.117+/-0.035 χ^2/NDF: 6803063.8/70



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 98.132+/-16.310 χ^2/NDF:28.9/18

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 98.393+/-17.057 χ^2/NDF:22.9/16

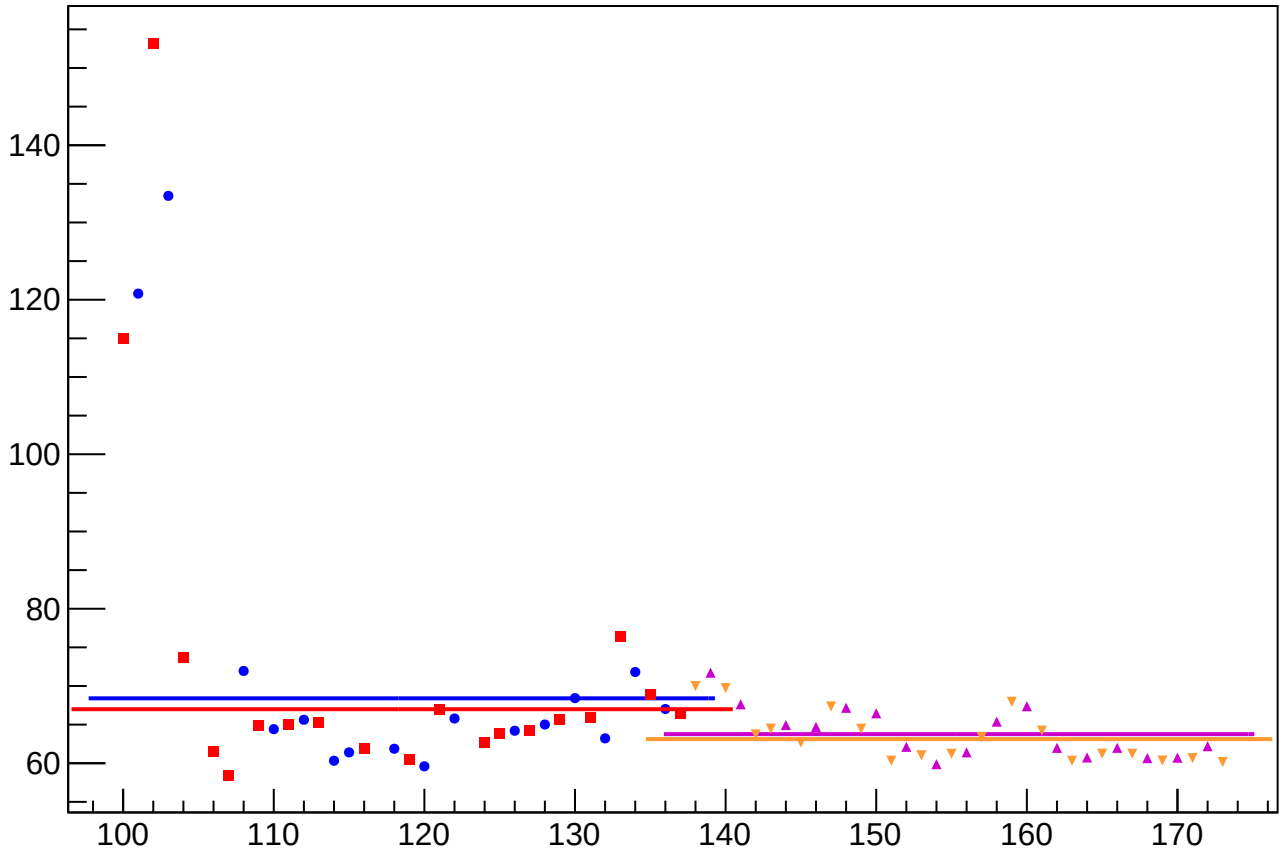
Left: 98.257+/-11.788 χ^2/NDF: 51.8/35

Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 50.619+/-14.270 χ^2/NDF:59.6/32

Out: 60.414+/-13.683 χ^2/NDF:78.3/37

All: 55.722+/-9.877 χ^2/NDF: 138.1/70



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.121+/-0.012 χ^2/NDF:70726.1/18

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 63.766+/-0.012 χ^2/NDF:66617.2/16

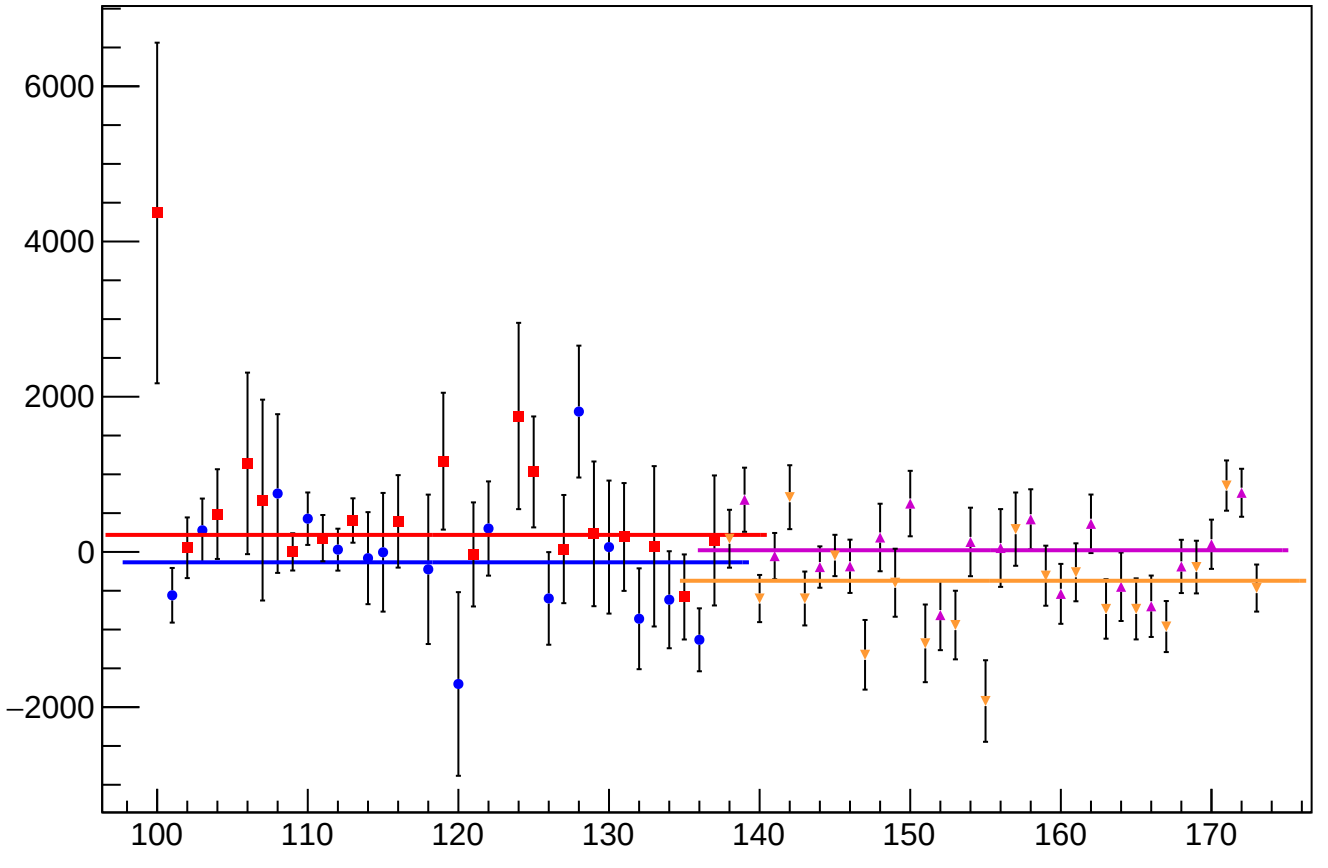
Left: 63.429+/-0.008 χ^2/NDF: 138836.7/35

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.157+/-0.010 χ^2/NDF:680528.8/32

Out: 64.268+/-0.010 χ^2/NDF:588624.9/37

All: 64.694+/-0.007 χ^2/NDF: 1273196.6/70



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -371.468+/-84.768 χ^2/NDF:50.7/18

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 21.847+/-89.292 χ^2/NDF:23.9/16

Left: -185.027+/-61.477 χ^2/NDF: 84.8/35

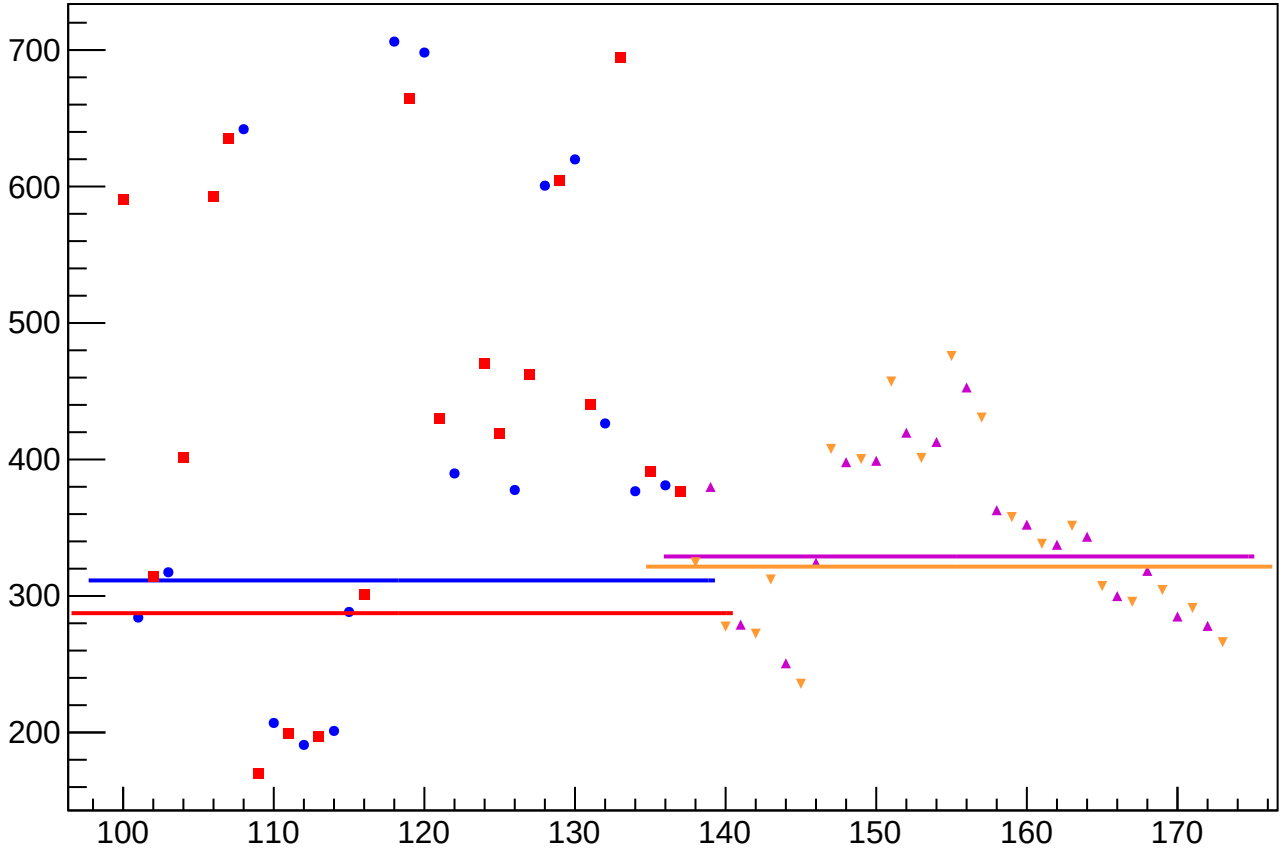
Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -30.169+/-72.835 χ^2/NDF:47.3/32

Out: -170.243+/-68.843 χ^2/NDF:79.8/37

All: -104.149+/-50.031 χ^2/NDF: 129.1/70

asym_sam7_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 321.508+/-0.060 χ^2/NDF:1047542.8/18

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 328.952+/-0.063 χ^2/NDF:770867.6/16

Left: 325.036+/-0.043 χ^2/NDF: 1825720.6/35

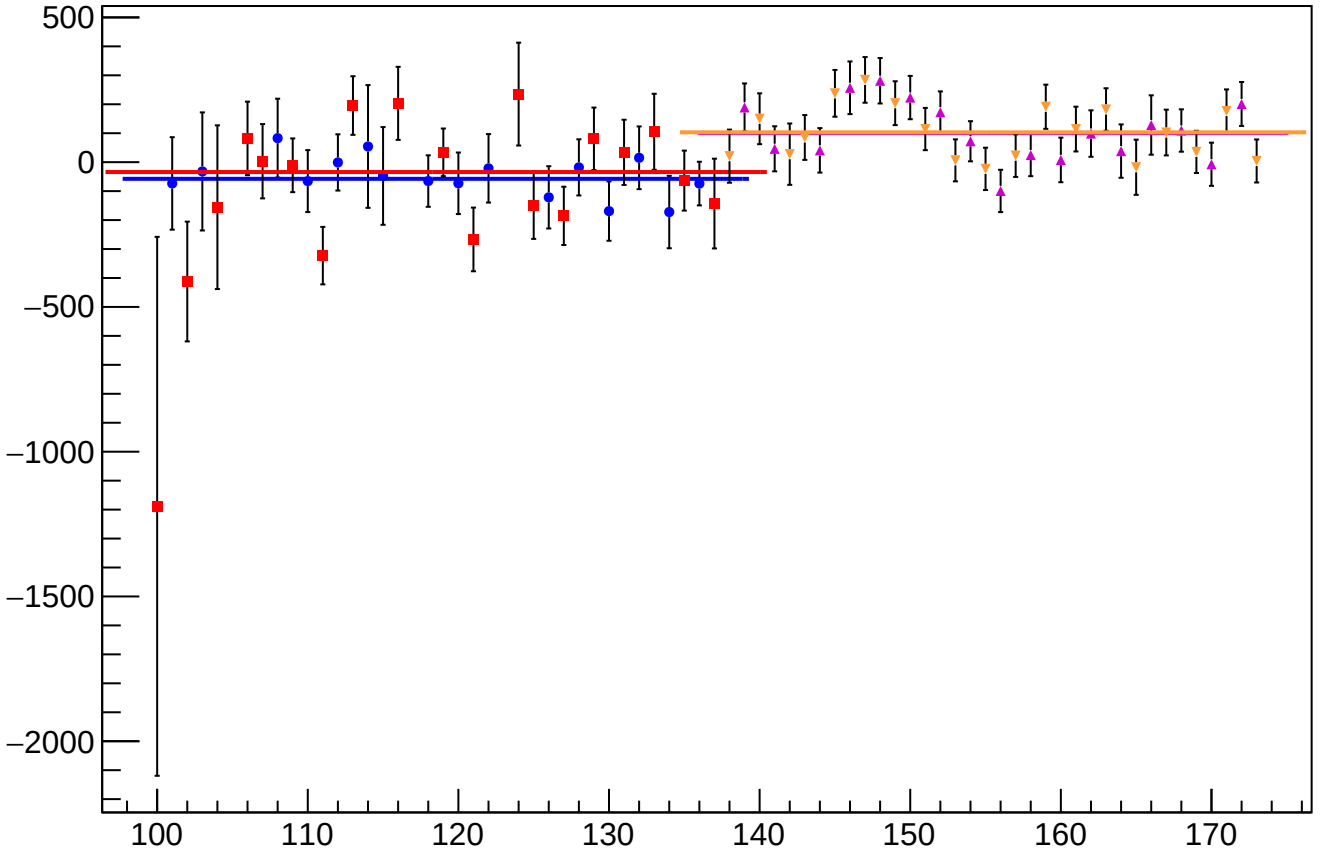
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 323.074+/-0.052 χ^2/NDF:2920561.6/32

Out: 309.901+/-0.049 χ^2/NDF:3847949.5/37

All: 316.117+/-0.035 χ^2/NDF: 6803063.8/70

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 103.094+/-18.000 χ^2/NDF:25.2/18

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 100.325+/-18.912 χ^2/NDF:28.7/16

Left: 101.778+/-13.039 χ^2/NDF: 53.9/35

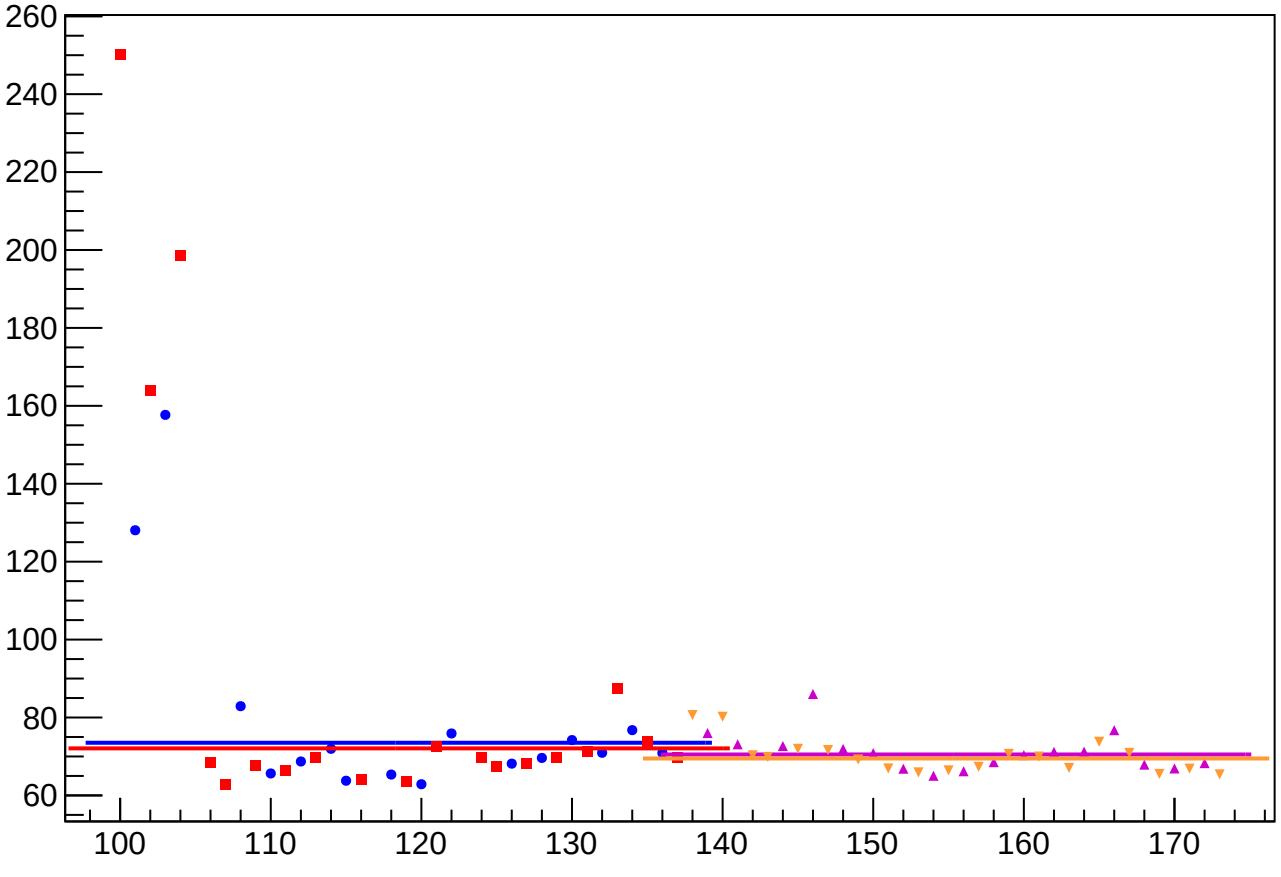
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 51.081+/-15.687 χ^2/NDF:55.4/32

Out: 61.751+/-15.044 χ^2/NDF:79.8/37

All: 56.639+/-10.858 χ^2/NDF: 135.4/70

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 69.480+/-0.013 χ^2/NDF:97168.6/18

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 70.509+/-0.013 χ^2/NDF:114103.2/16

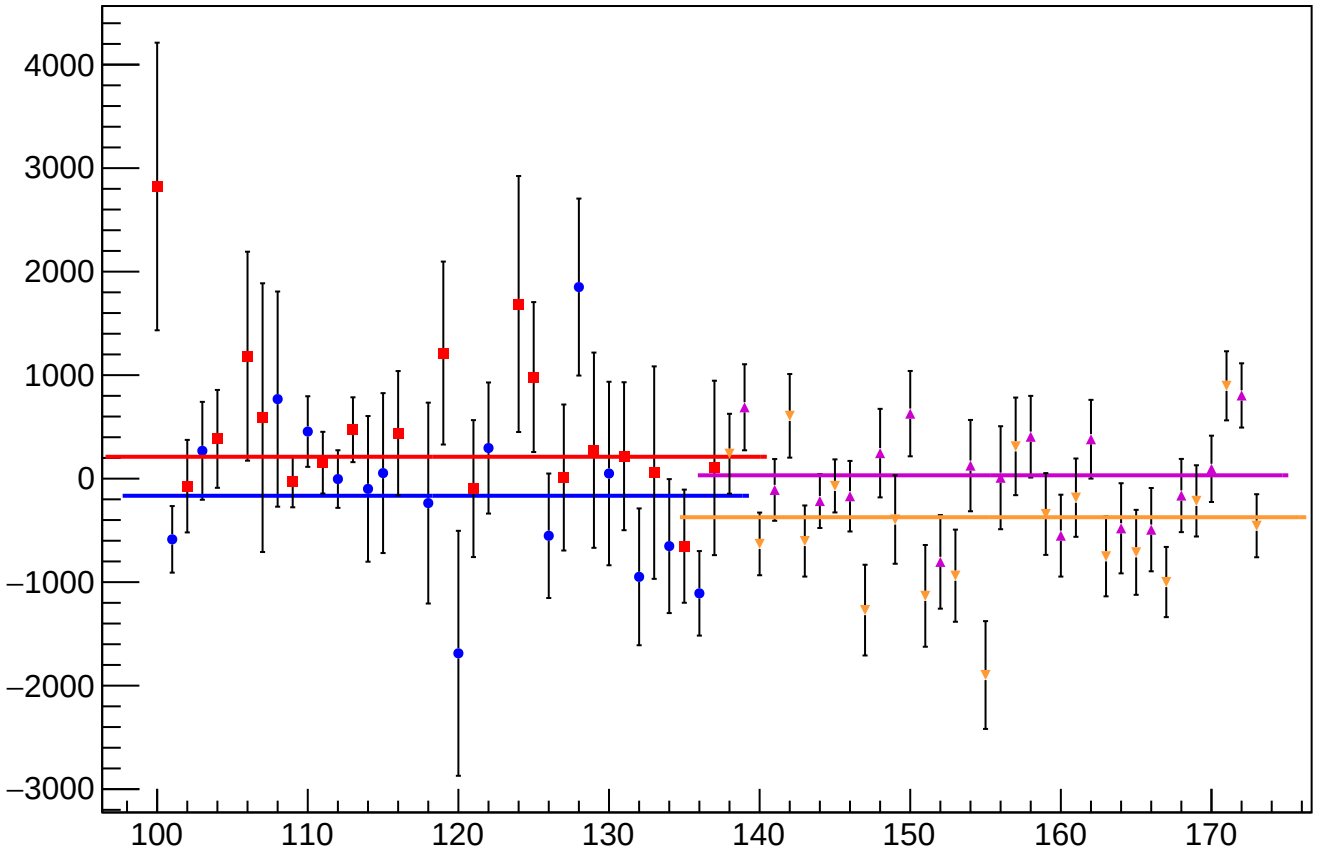
Left: 69.969+/-0.009 χ^2/NDF: 214374.9/35

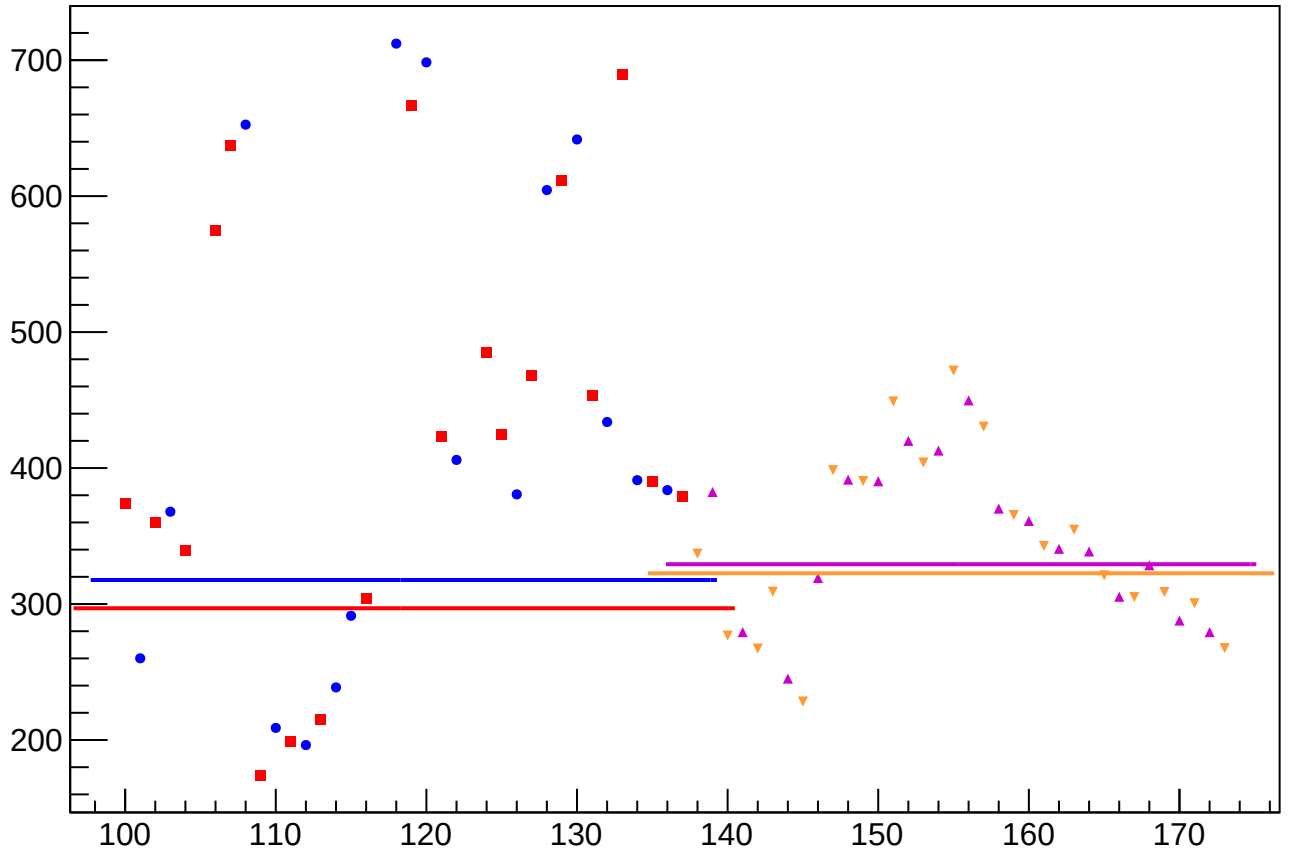
Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 71.448+/-0.011 χ^2/NDF:786759.9/32

Out: 70.262+/-0.011 χ^2/NDF:1068184.6/37

All: 70.830+/-0.008 χ^2/NDF: 1860894.5/70


asym_sam7_dit_correction_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
Right In: -165.500+/-128.438 χ²/NDF: 22.6/15
Left Out: -372.743+/-85.002 χ²/NDF:49.9/18
Right Out: 211.347+/-120.122 χ²/NDF: 13.6/18
Left In: 32.143+/-89.423 χ²/NDF:23.3/16
Left: -180.554+/-61.609 χ²/NDF: 84.0/35
Right: 35.518+/-87.732 χ²/NDF: 40.8/34
In: -32.384+/-73.387 χ²/NDF:47.5/32
Out: -177.852+/-69.387 χ²/NDF:79.3/37
All: -109.191+/-50.419 χ²/NDF: 128.9/70



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 322.607+/-0.060 χ^2/NDF:1063709.2/18

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 329.274+/-0.063 χ^2/NDF:783683.6/16

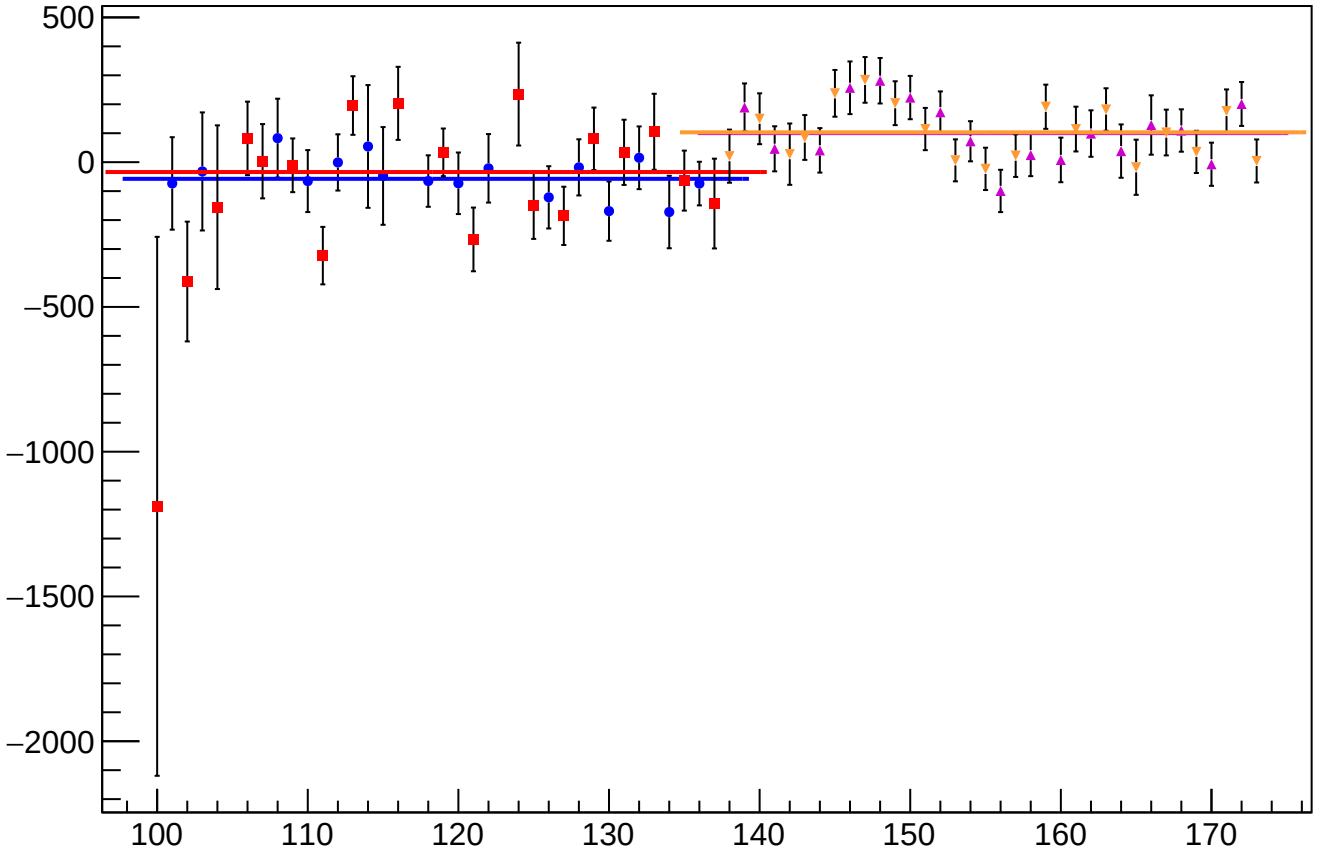
Left: 325.772+/-0.044 χ^2/NDF: 1853232.0/35

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 325.483+/-0.052 χ^2/NDF:2930882.7/32

Out: 314.026+/-0.049 χ^2/NDF:3665842.5/37

All: 319.434+/-0.036 χ^2/NDF: 6622465.5/70



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 103.094+/-18.000 χ^2/NDF:25.2/18

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 100.325+/-18.912 χ^2/NDF:28.7/16

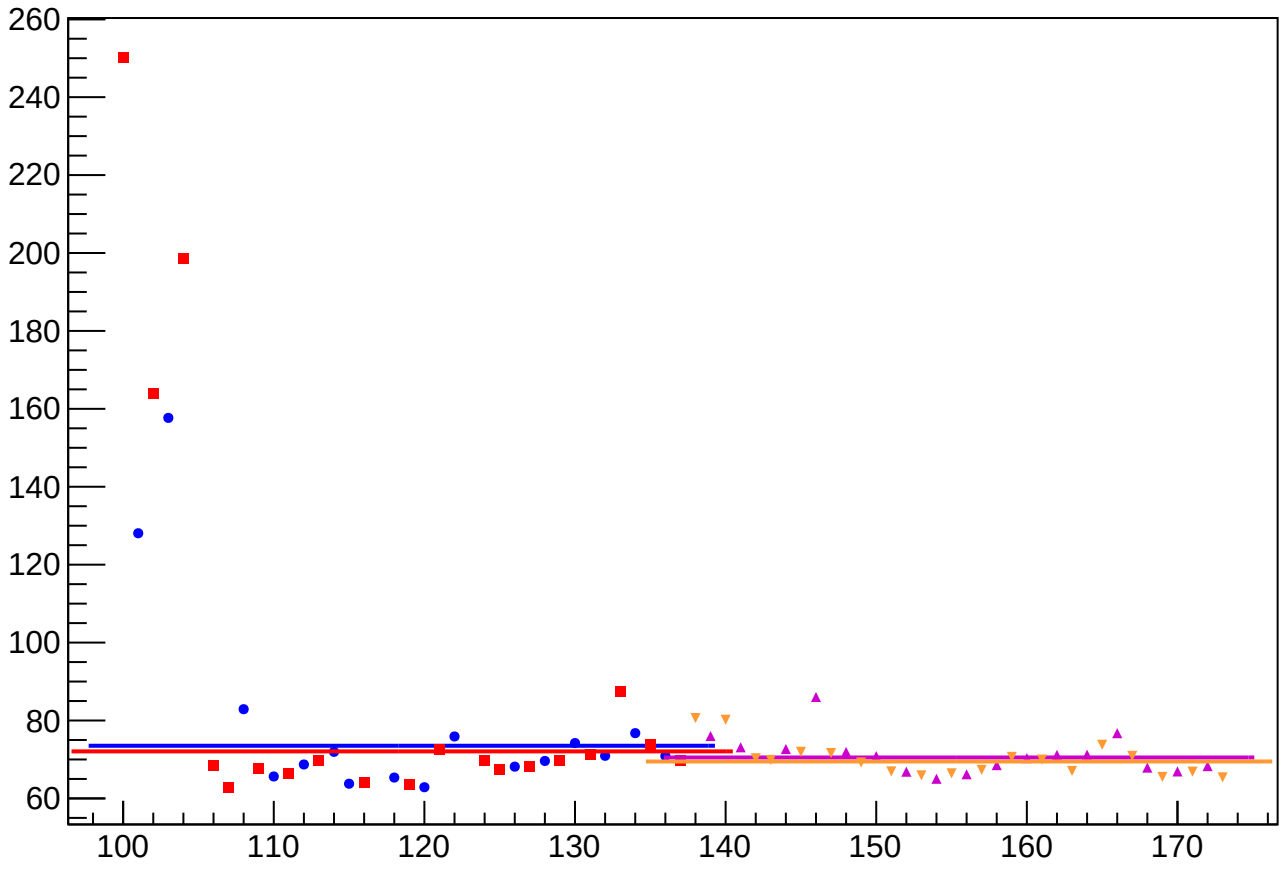
Left: 101.778+/-13.039 χ^2/NDF: 53.9/35

Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 51.081+/-15.687 χ^2/NDF:55.4/32

Out: 61.750+/-15.044 χ^2/NDF:79.8/37

All: 56.638+/-10.858 χ^2/NDF: 135.4/70



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 69.480+/-0.013 χ^2/NDF:97167.5/18

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 70.509+/-0.013 χ^2/NDF:114102.9/16

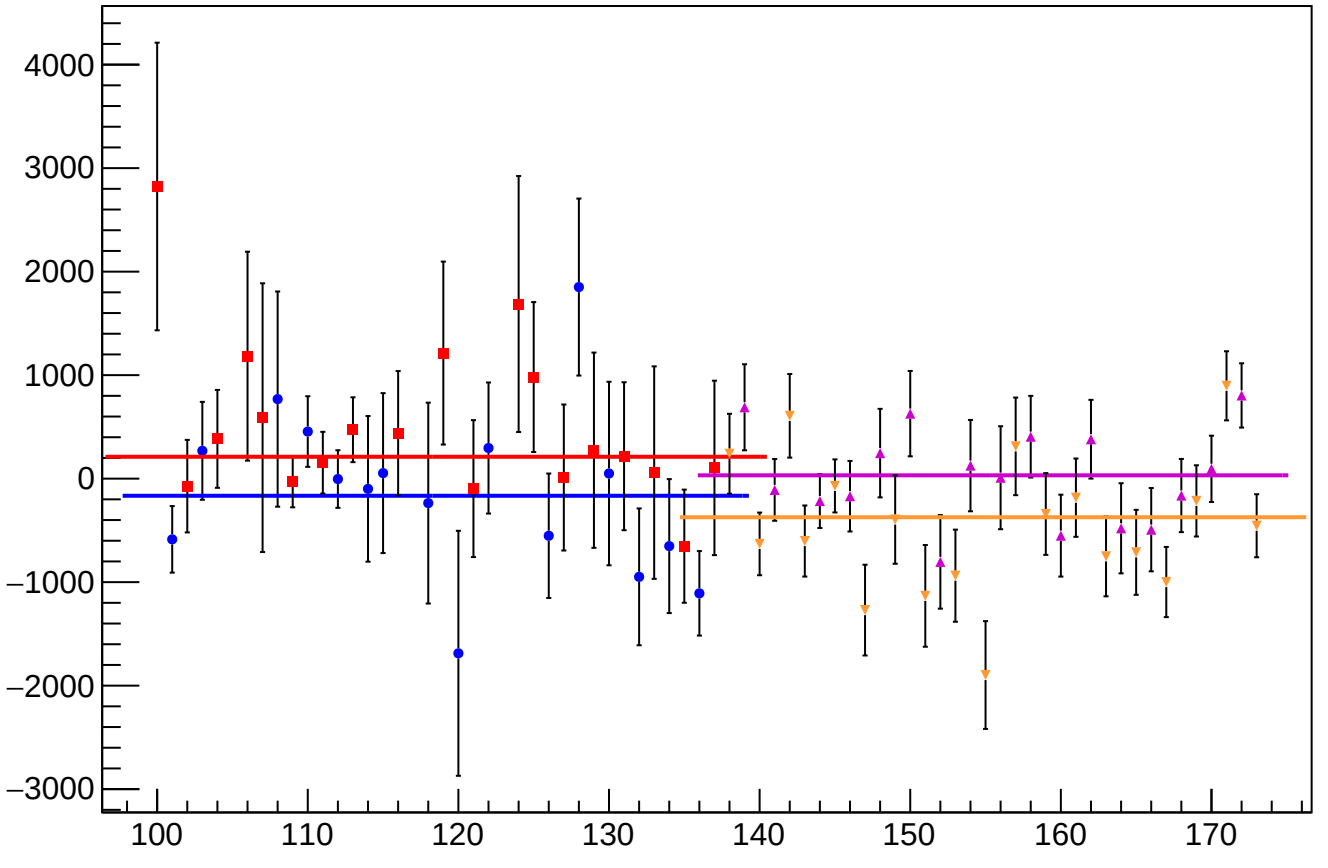
Left: 69.969+/-0.009 χ^2/NDF: 214373.6/35

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 71.448+/-0.011 χ^2/NDF:786759.6/32

Out: 70.262+/-0.011 χ^2/NDF:1068183.9/37

All: 70.830+/-0.008 χ^2/NDF: 1860893.5/70



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -372.743+/-85.002 χ^2/NDF:49.9/18

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: 32.142+/-89.423 χ^2/NDF:23.3/16

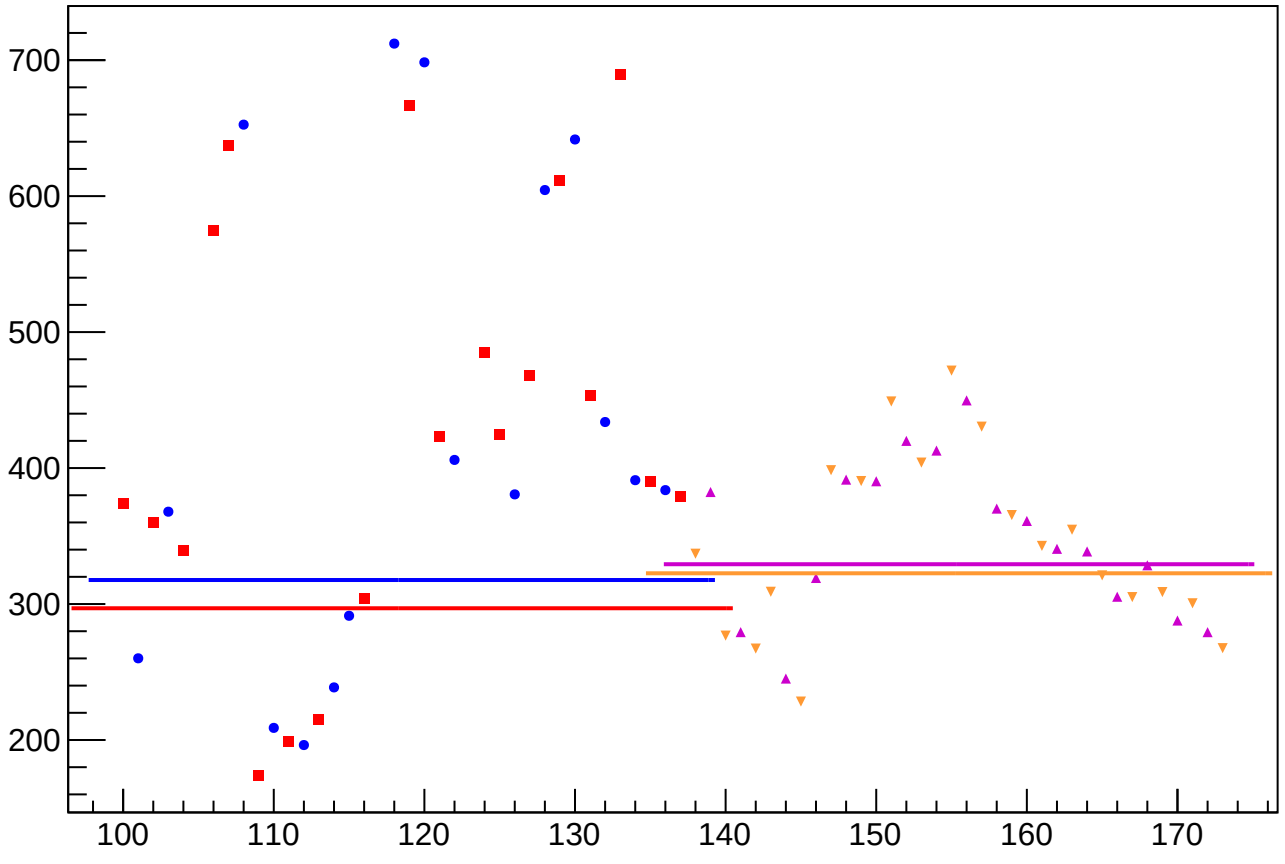
Left: -180.554+/-61.609 χ^2/NDF: 84.0/35

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -32.385+/-73.387 χ^2/NDF:47.5/32

Out: -177.851+/-69.387 χ^2/NDF:79.3/37

All: -109.191+/-50.419 χ^2/NDF: 128.9/70



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 322.607+/-0.060 χ^2/NDF:1063715.2/18

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 329.274+/-0.063 χ^2/NDF:783687.0/16

Left: 325.772+/-0.044 χ^2/NDF: 1853241.7/35

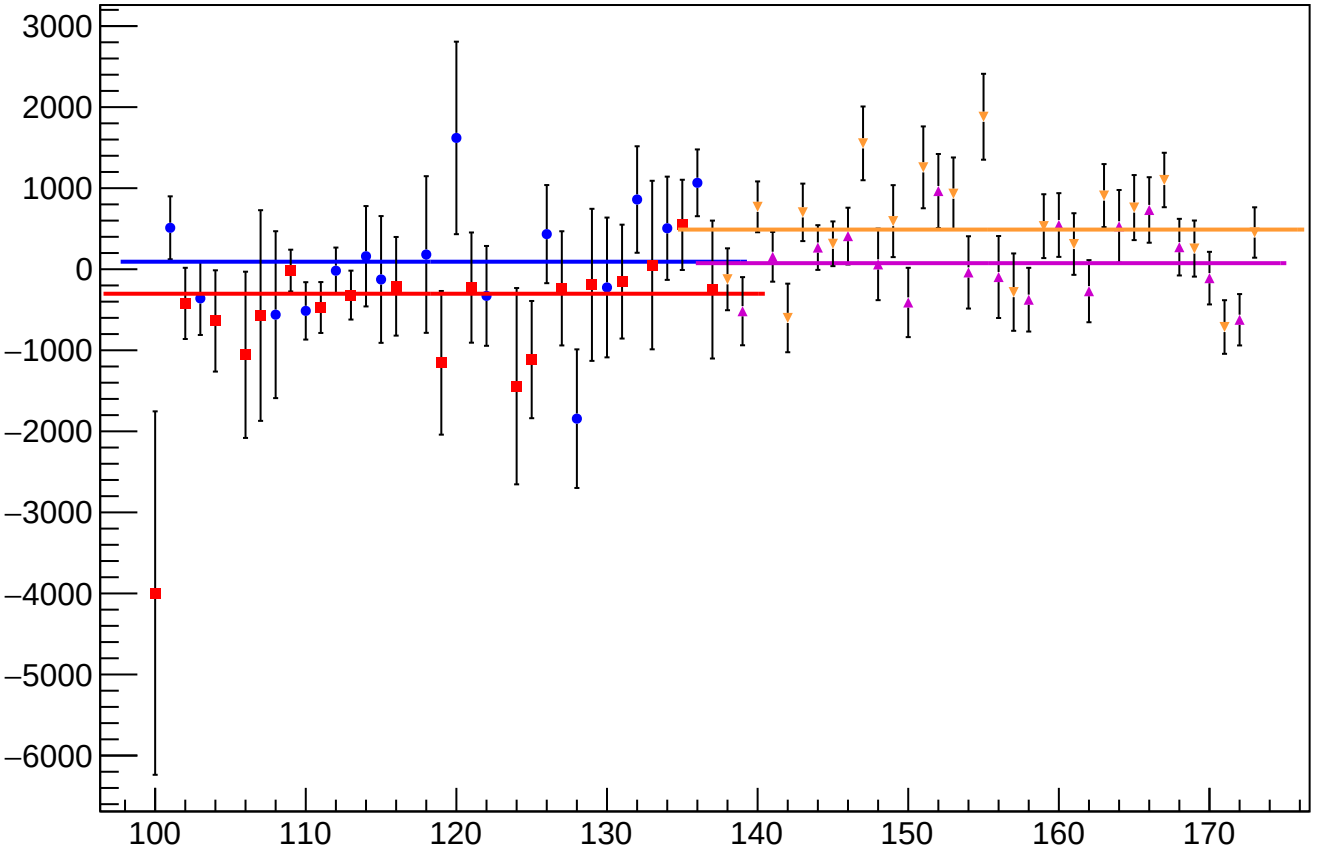
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 325.482+/-0.052 χ^2/NDF:2930922.5/32

Out: 314.025+/-0.049 χ^2/NDF:3665866.4/37

All: 319.433+/-0.036 χ^2/NDF: 6622528.4/70

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 489.298+/-86.593 χ^2/NDF:48.0/18

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: 74.863+/-91.139 χ^2/NDF:21.4/16

Left: 292.675+/-62.776 χ^2/NDF: 80.3/35

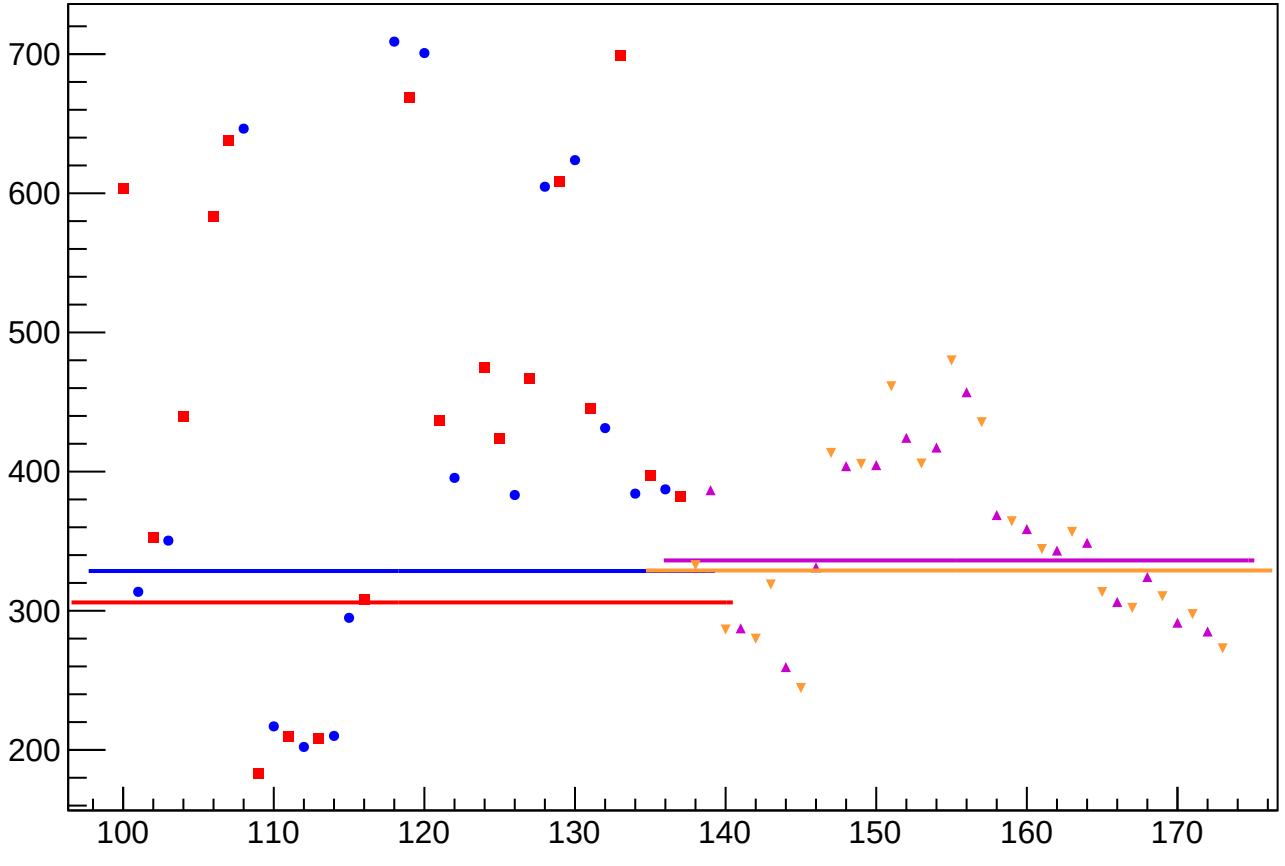
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 80.659+/-74.986 χ^2/NDF:42.3/32

Out: 229.581+/-70.980 χ^2/NDF:86.2/37

All: 159.205+/-51.548 χ^2/NDF: 130.5/70

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 328.941+/-0.061 χ^2/NDF:973501.6/18

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 336.173+/-0.064 χ^2/NDF:713154.9/16

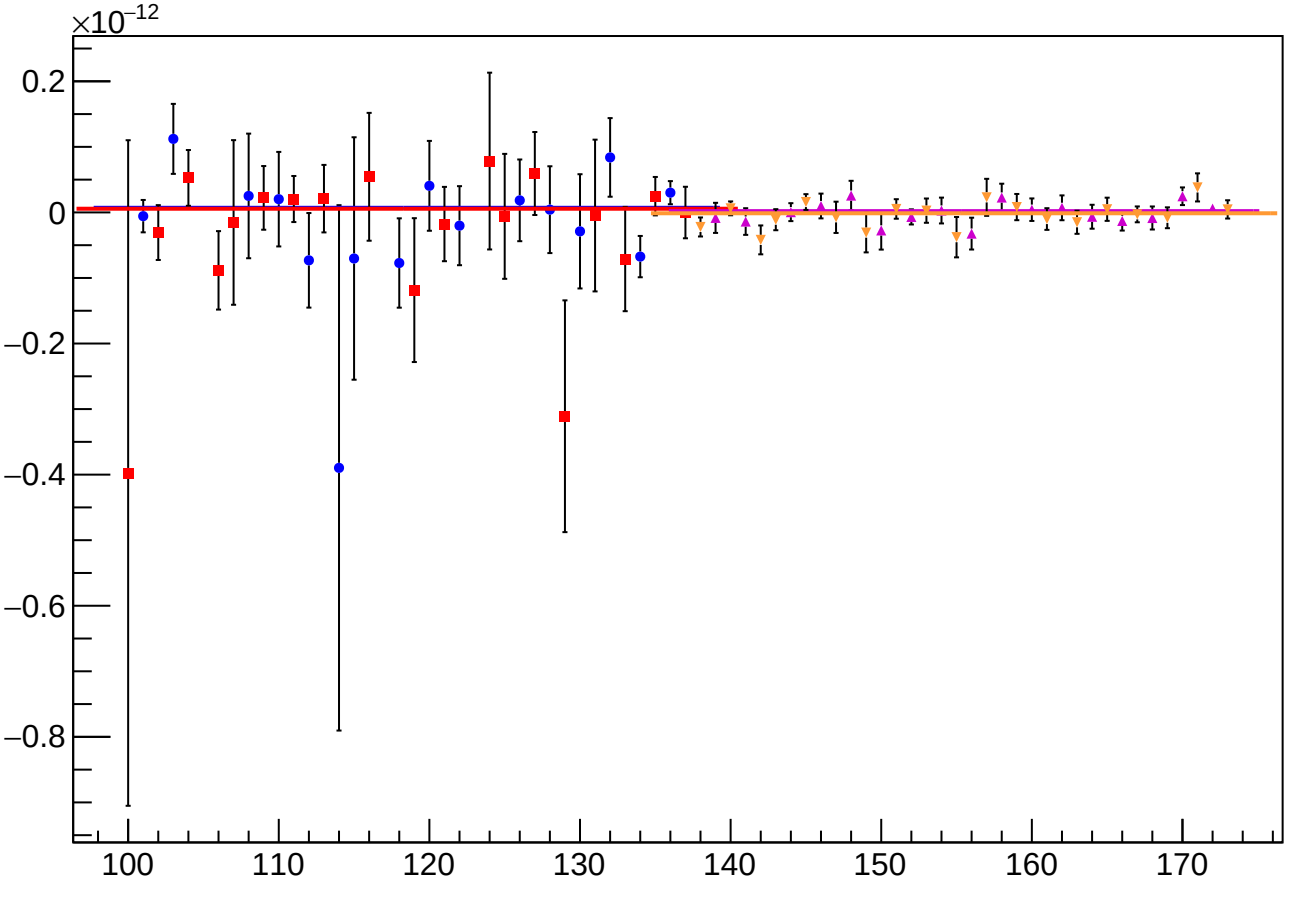
Left: 332.372+/-0.044 χ^2/NDF: 1693274.2/35

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 333.715+/-0.053 χ^2/NDF:2676528.5/32

Out: 321.410+/-0.050 χ^2/NDF:3547070.2/37

All: 327.225+/-0.036 χ^2/NDF: 6252004.6/70



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:11.5/16

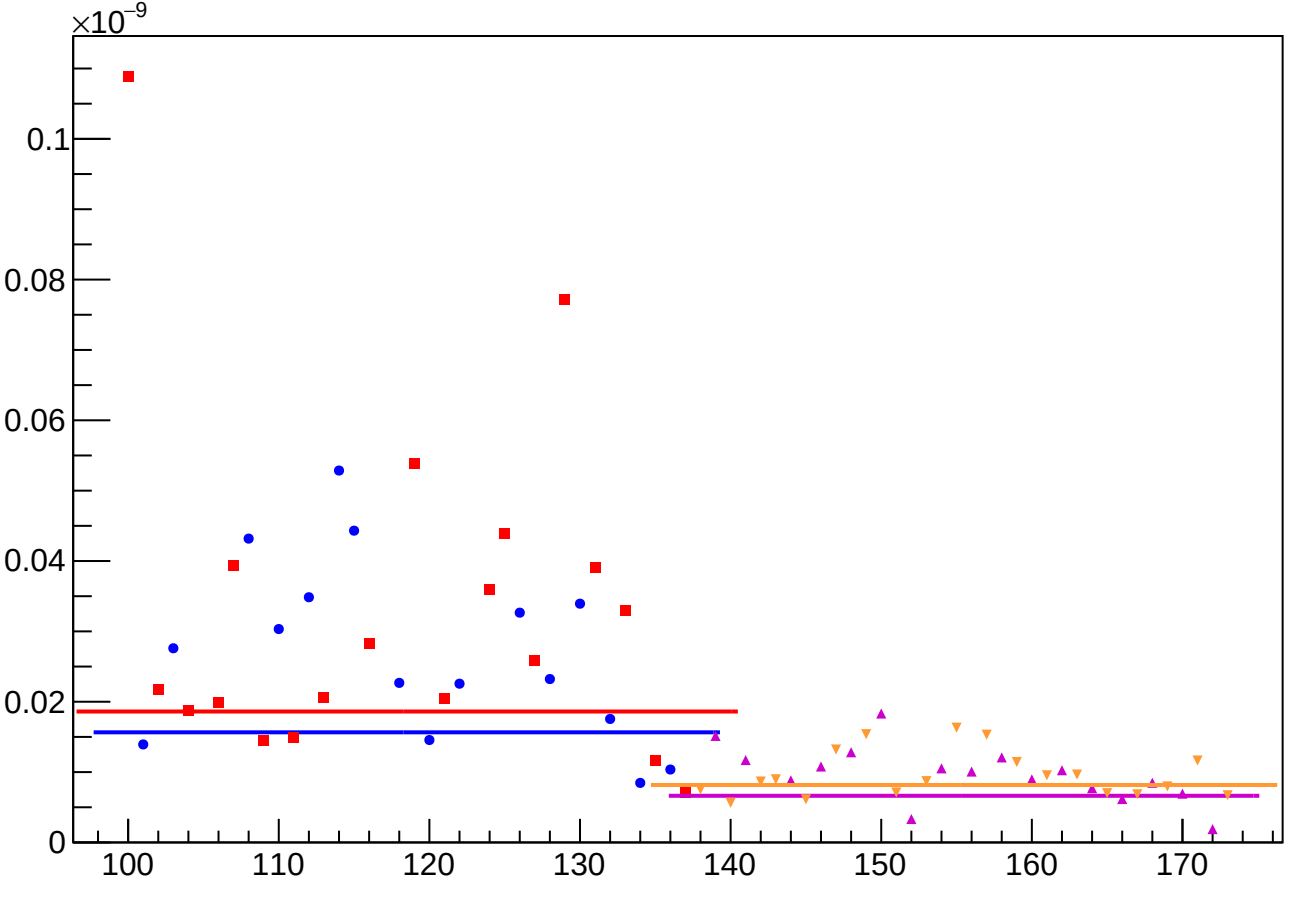
Left: 0.000+/-0.000 χ^2/NDF: 28.7/35

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:29.4/32

Out: -0.000+/-0.000 χ^2/NDF:29.9/37

All: 0.000+/-0.000 χ^2/NDF: 59.7/70



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:854314.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2599192.1/16

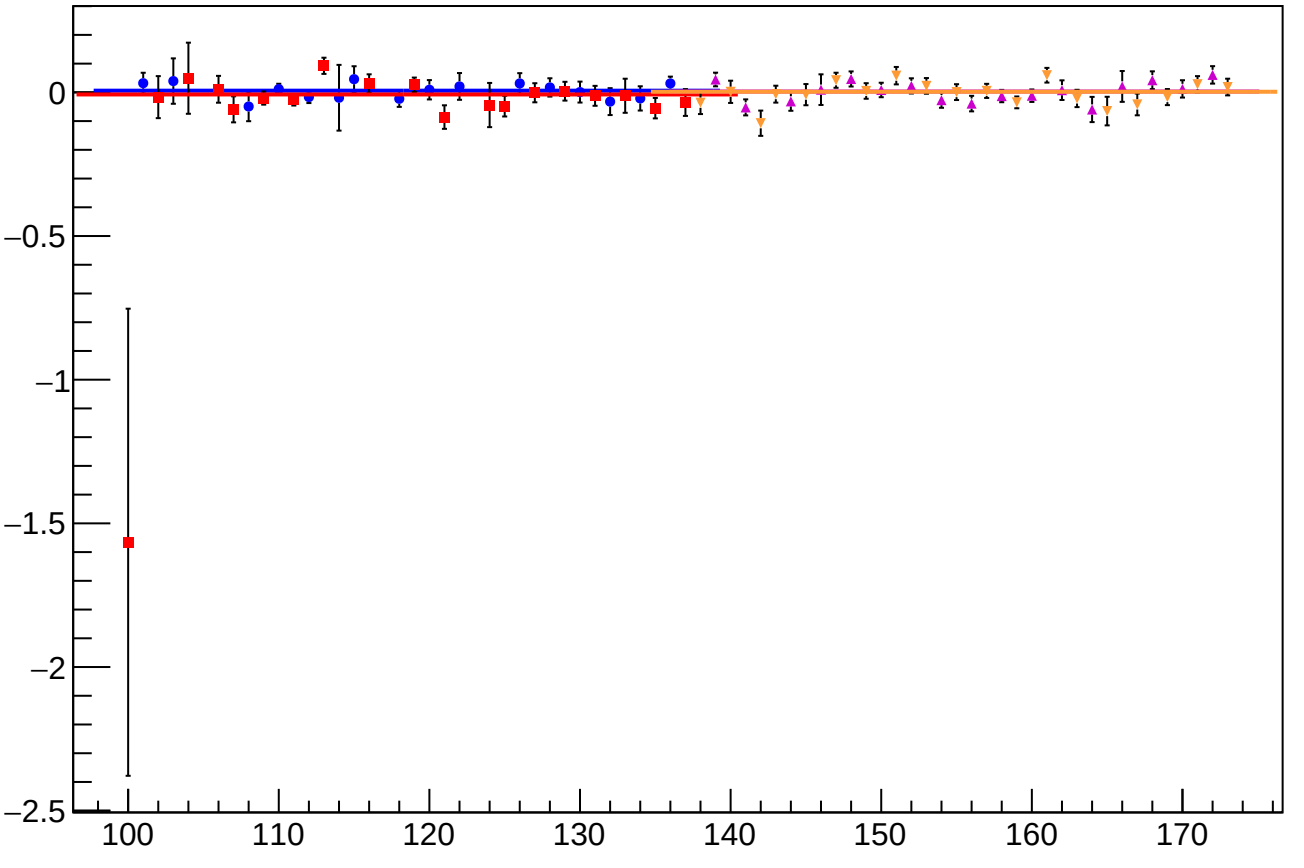
Left: 0.000+/-0.000 χ^2/NDF: 3623803.1/35

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:4984455.1/32

Out: 0.000+/-0.000 χ^2/NDF:3301298.3/37

All: 0.000+/-0.000 χ^2/NDF: 8456719.5/70



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.007 χ^2/NDF:27.3/18

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.003+/-0.007 χ^2/NDF:23.6/16

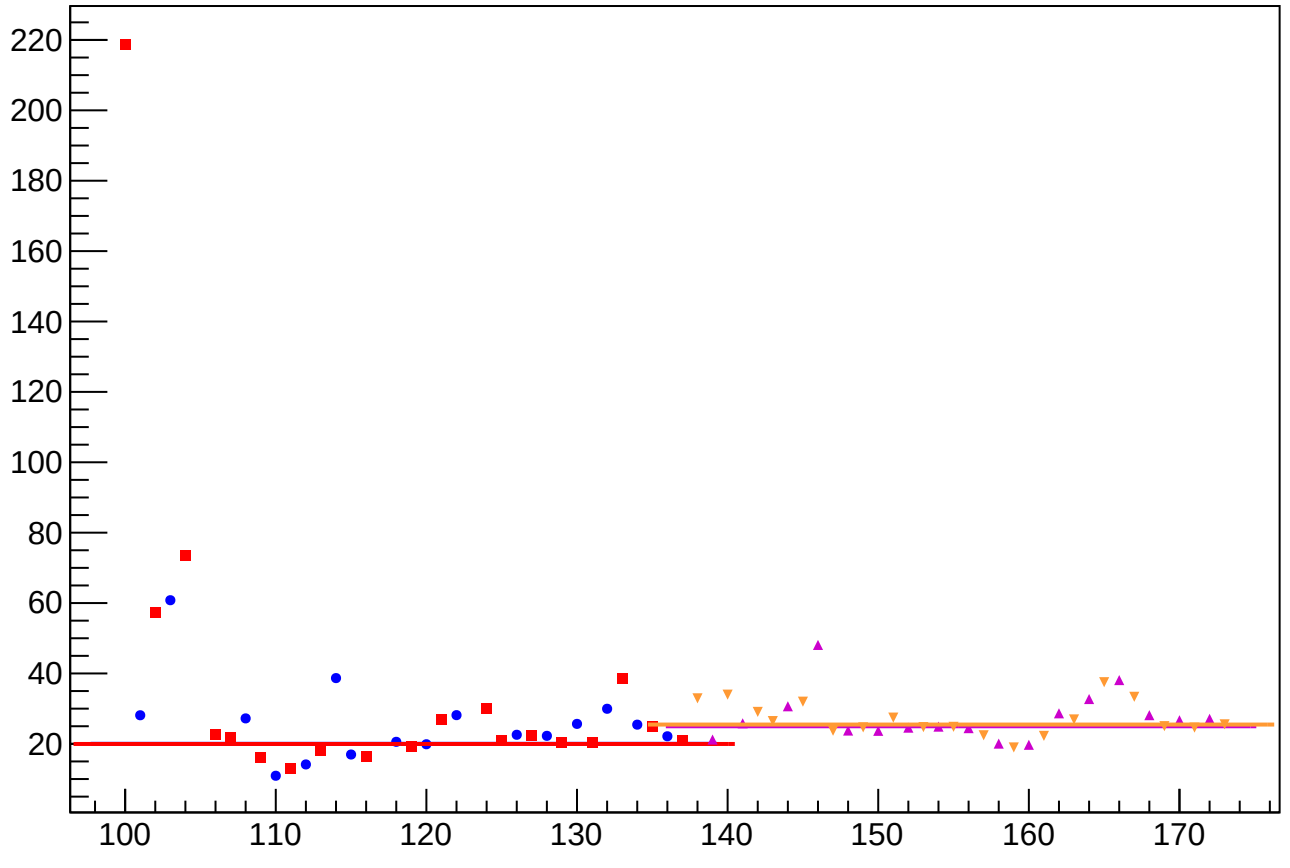
Left: 0.003+/-0.005 χ^2/NDF: 50.9/35

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.004+/-0.005 χ^2/NDF:31.6/32

Out: -0.002+/-0.005 χ^2/NDF:57.9/37

All: 0.001+/-0.004 χ^2/NDF: 90.1/70



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.478+/-0.005 χ^2/NDF:739904.2/18

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.992+/-0.005 χ^2/NDF:963709.3/16

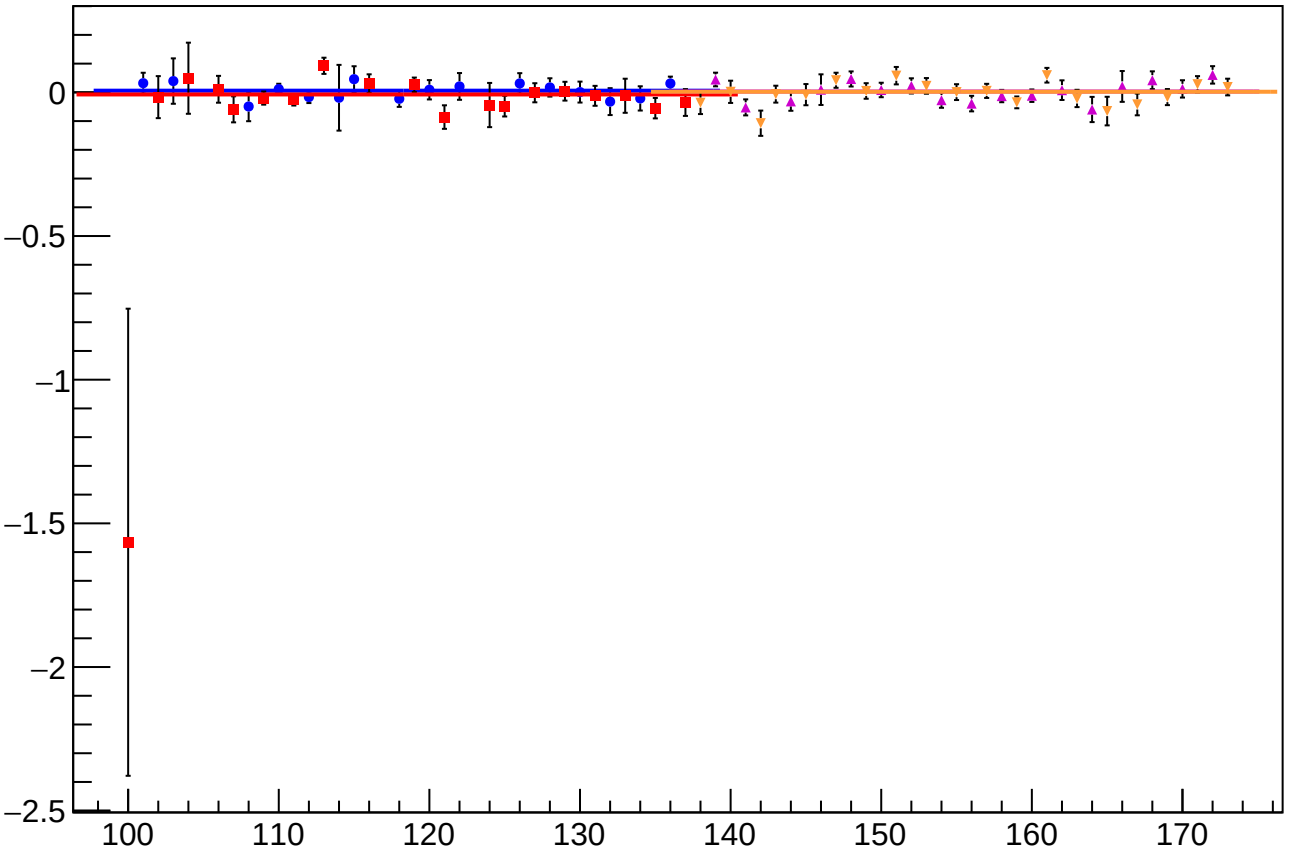
Left: 25.240+/-0.003 χ^2/NDF: 1708633.0/35

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.902+/-0.004 χ^2/NDF:3039310.2/32

Out: 23.203+/-0.004 χ^2/NDF:3002237.9/37

All: 23.055+/-0.003 χ^2/NDF: 6044853.8/70



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.007 χ^2/NDF:27.3/18

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.003+/-0.007 χ^2/NDF:23.6/16

Left: 0.003+/-0.005 χ^2/NDF: 50.9/35

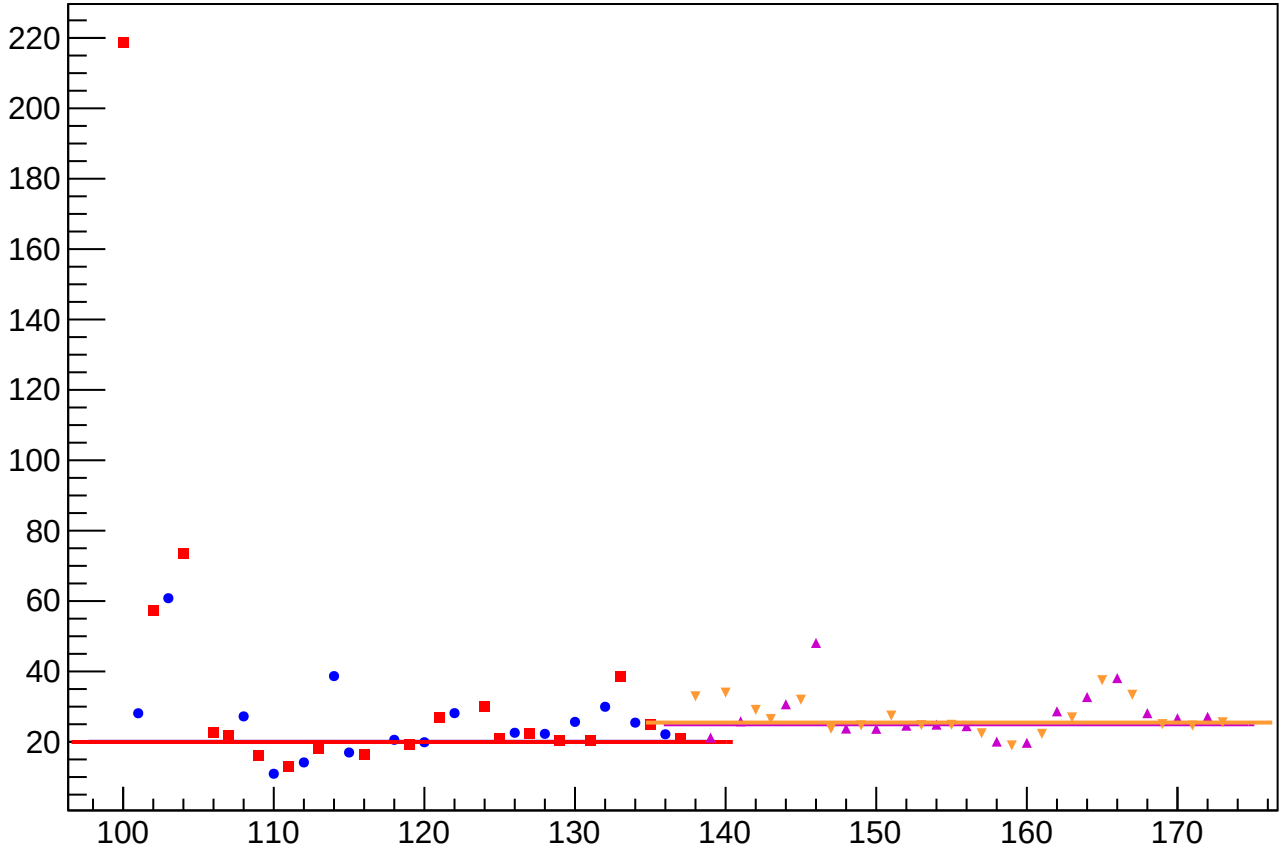
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.004+/-0.005 χ^2/NDF:31.6/32

Out: -0.002+/-0.005 χ^2/NDF:57.9/37

All: 0.001+/-0.004 χ^2/NDF: 90.1/70

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.478+/-0.005 χ^2/NDF:739904.2/18

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.992+/-0.005 χ^2/NDF:963709.3/16

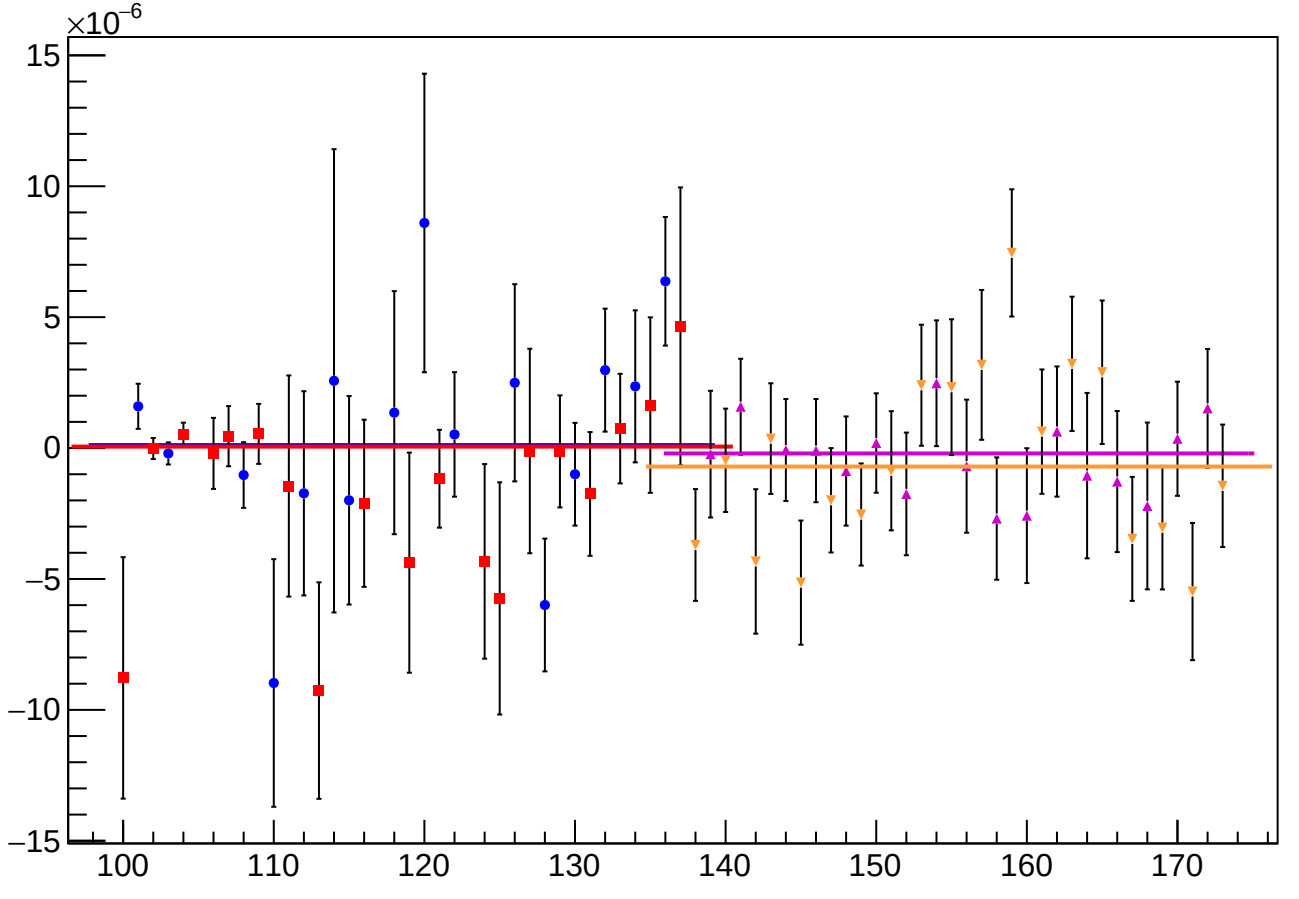
Left: 25.240+/-0.003 χ^2/NDF: 1708633.0/35

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.902+/-0.004 χ^2/NDF:3039310.2/32

Out: 23.203+/-0.004 χ^2/NDF:3002237.9/37

All: 23.055+/-0.003 χ^2/NDF: 6044853.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:35.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: -0.000+/-0.000 χ^2/NDF:6.2/16

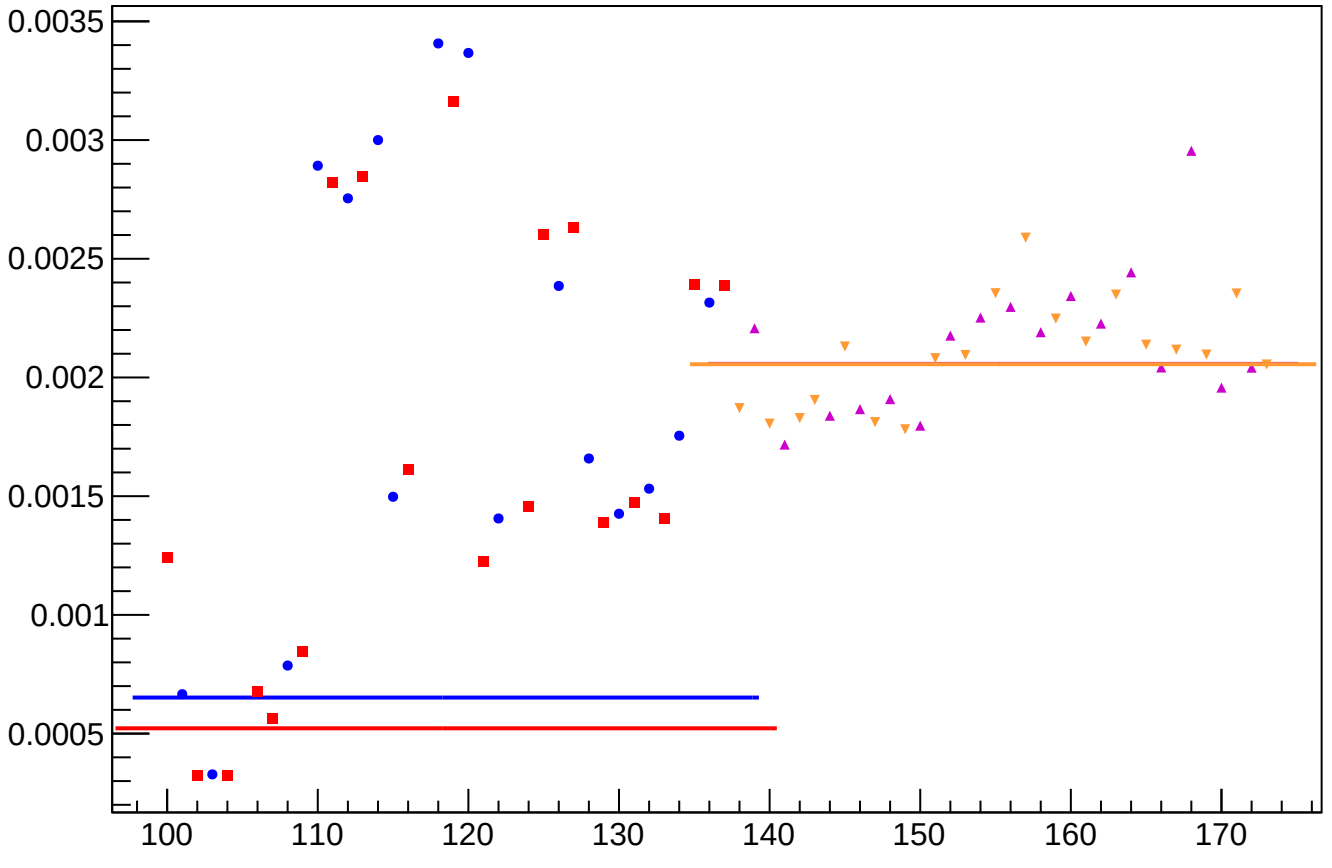
Left: -0.000+/-0.000 χ^2/NDF: 41.8/35

Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:32.5/32

Out: -0.000+/-0.000 χ^2/NDF:53.9/37

All: -0.000+/-0.000 χ^2/NDF: 86.5/70



Right In: 0.001+/-0.000 χ^2/NDF: 6357494.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:310428.1/18

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

Left In: 0.002+/-0.000 χ^2/NDF:437834.9/16

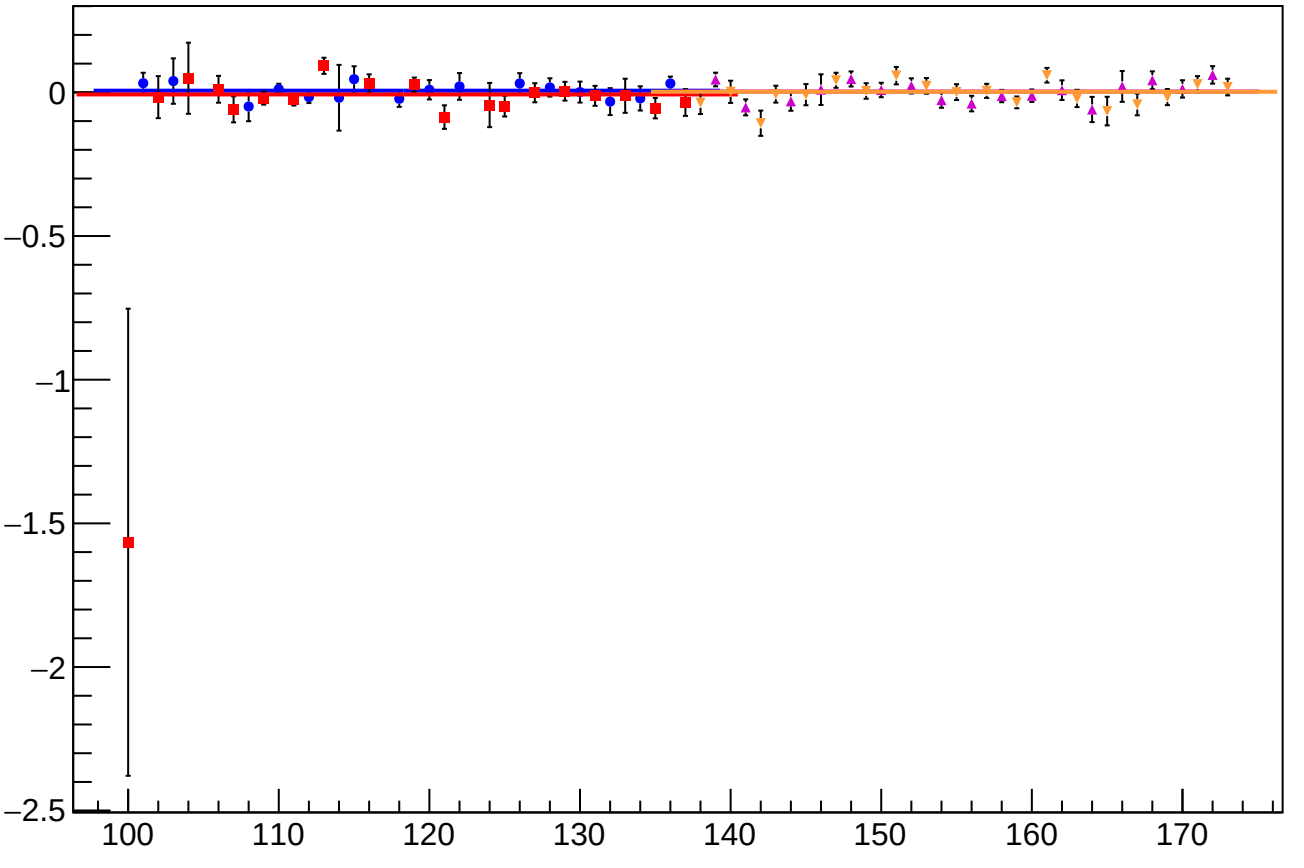
Left: 0.002+/-0.000 χ^2/NDF: 748270.6/35

Right: 0.001+/-0.000 χ^2/NDF: 13221881.1/34

In: 0.001+/-0.000 χ^2/NDF:16216544.6/32

Out: 0.001+/-0.000 χ^2/NDF:20271457.0/37

All: 0.001+/-0.000 χ^2/NDF: 37126297.5/70



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.007 χ^2/NDF:27.3/18

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.003+/-0.007 χ^2/NDF:23.6/16

Left: 0.003+/-0.005 χ^2/NDF: 50.9/35

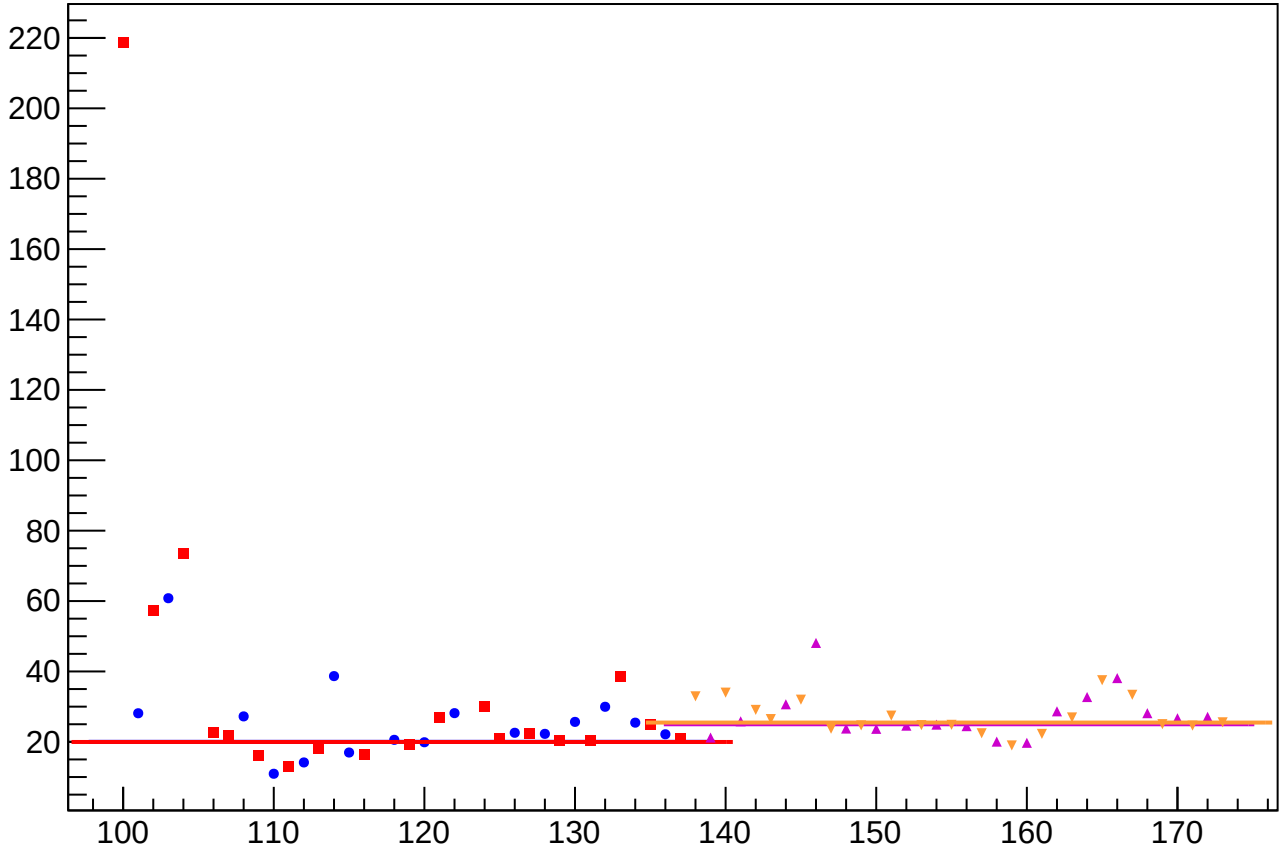
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.004+/-0.005 χ^2/NDF:31.6/32

Out: -0.002+/-0.005 χ^2/NDF:57.9/37

All: 0.001+/-0.004 χ^2/NDF: 90.1/70

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.478+/-0.005 χ^2/NDF:739946.7/18

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.992+/-0.005 χ^2/NDF:963764.6/16

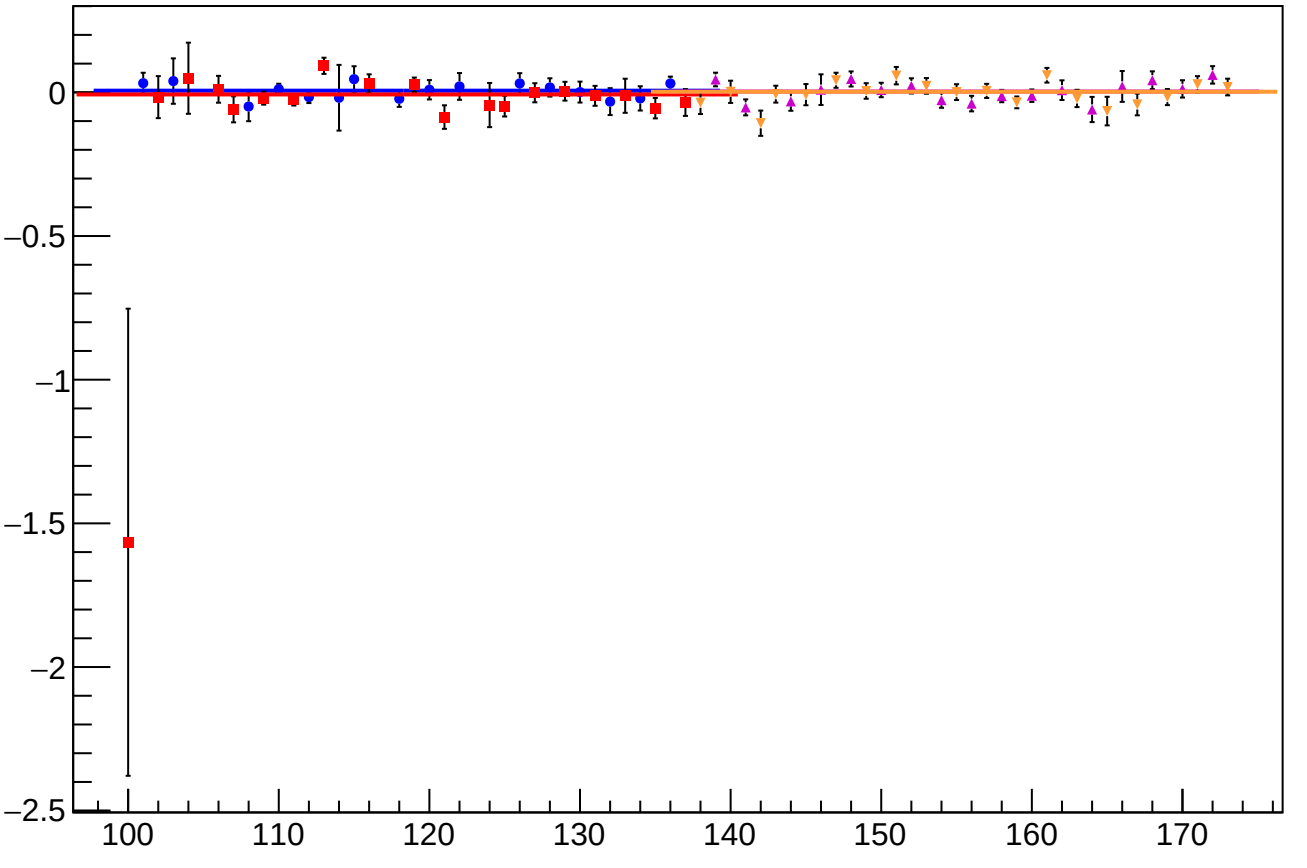
Left: 25.240+/-0.003 χ^2/NDF: 1708731.4/35

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.902+/-0.004 χ^2/NDF:3039095.5/32

Out: 23.203+/-0.004 χ^2/NDF:3002186.6/37

All: 23.055+/-0.003 χ^2/NDF: 6044584.3/70



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.007 χ^2/NDF:27.3/18

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.003+/-0.007 χ^2/NDF:23.6/16

Left: 0.003+/-0.005 χ^2/NDF: 50.9/35

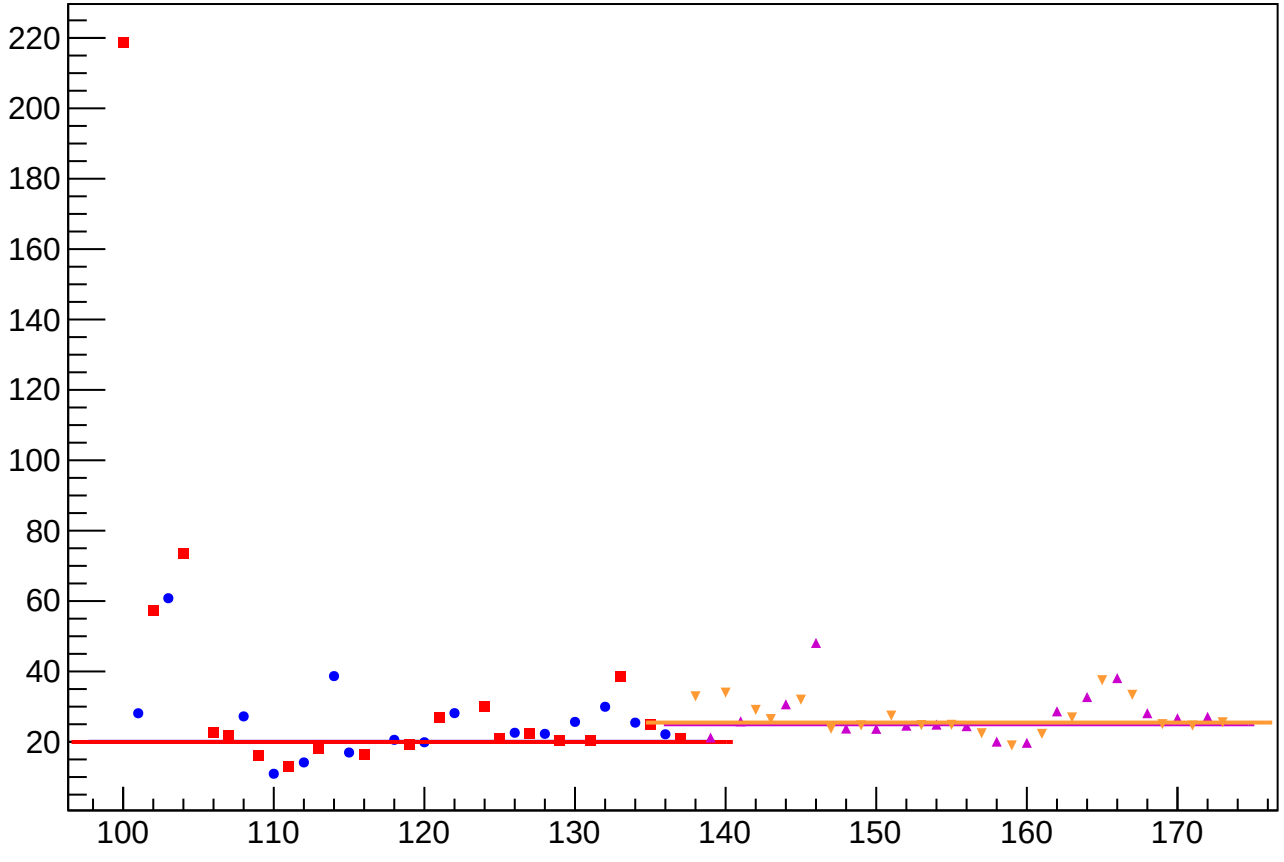
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.004+/-0.005 χ^2/NDF:31.6/32

Out: -0.002+/-0.005 χ^2/NDF:57.9/37

All: 0.001+/-0.004 χ^2/NDF: 90.1/70

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.478+/-0.005 χ^2/NDF:739946.7/18

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.992+/-0.005 χ^2/NDF:963764.6/16

Left: 25.240+/-0.003 χ^2/NDF: 1708731.4/35

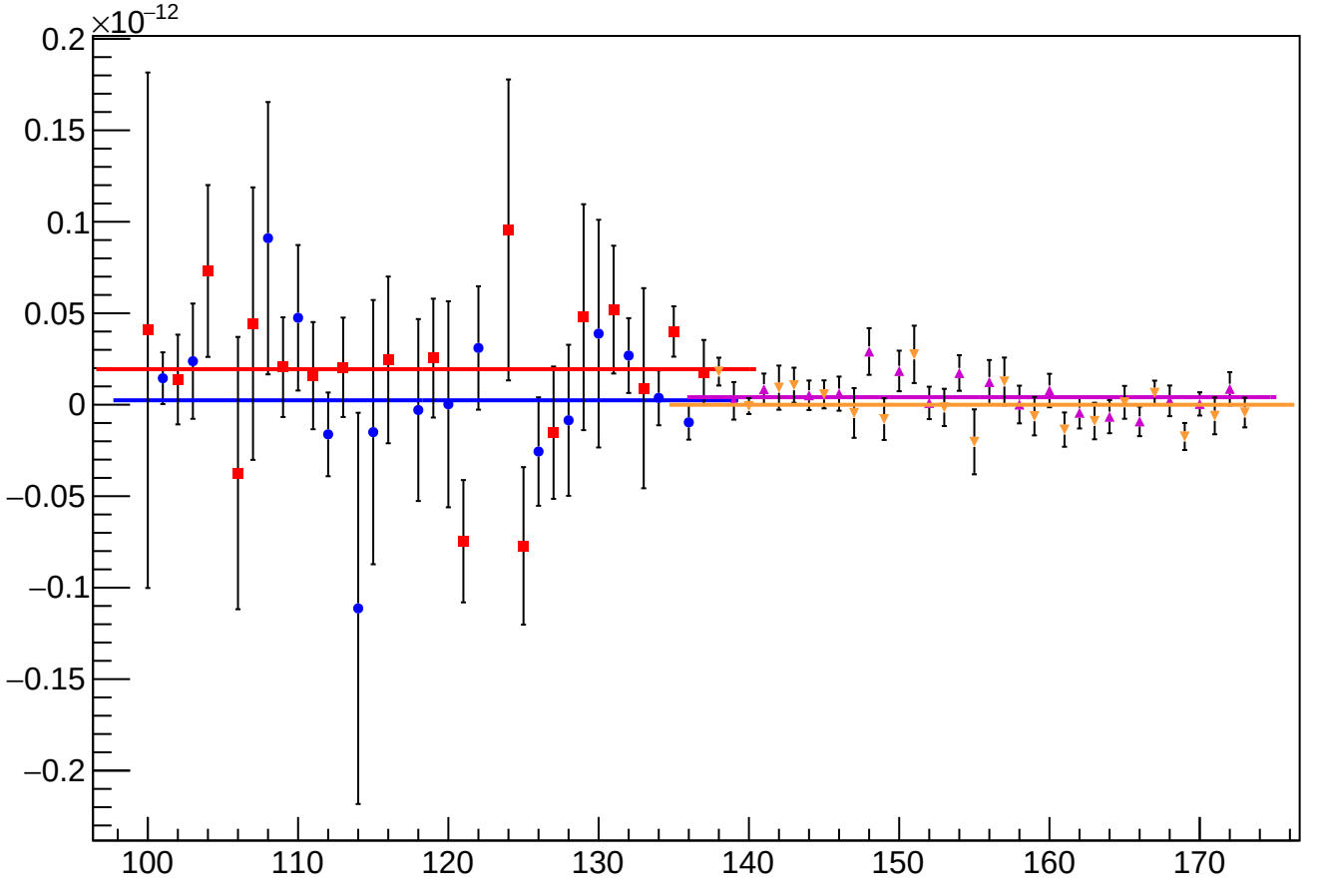
Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.902+/-0.004 χ^2/NDF:3039095.5/32

Out: 23.203+/-0.004 χ^2/NDF:3002186.6/37

All: 23.055+/-0.003 χ^2/NDF: 6044584.3/70

asym_sam7_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:14.3/16

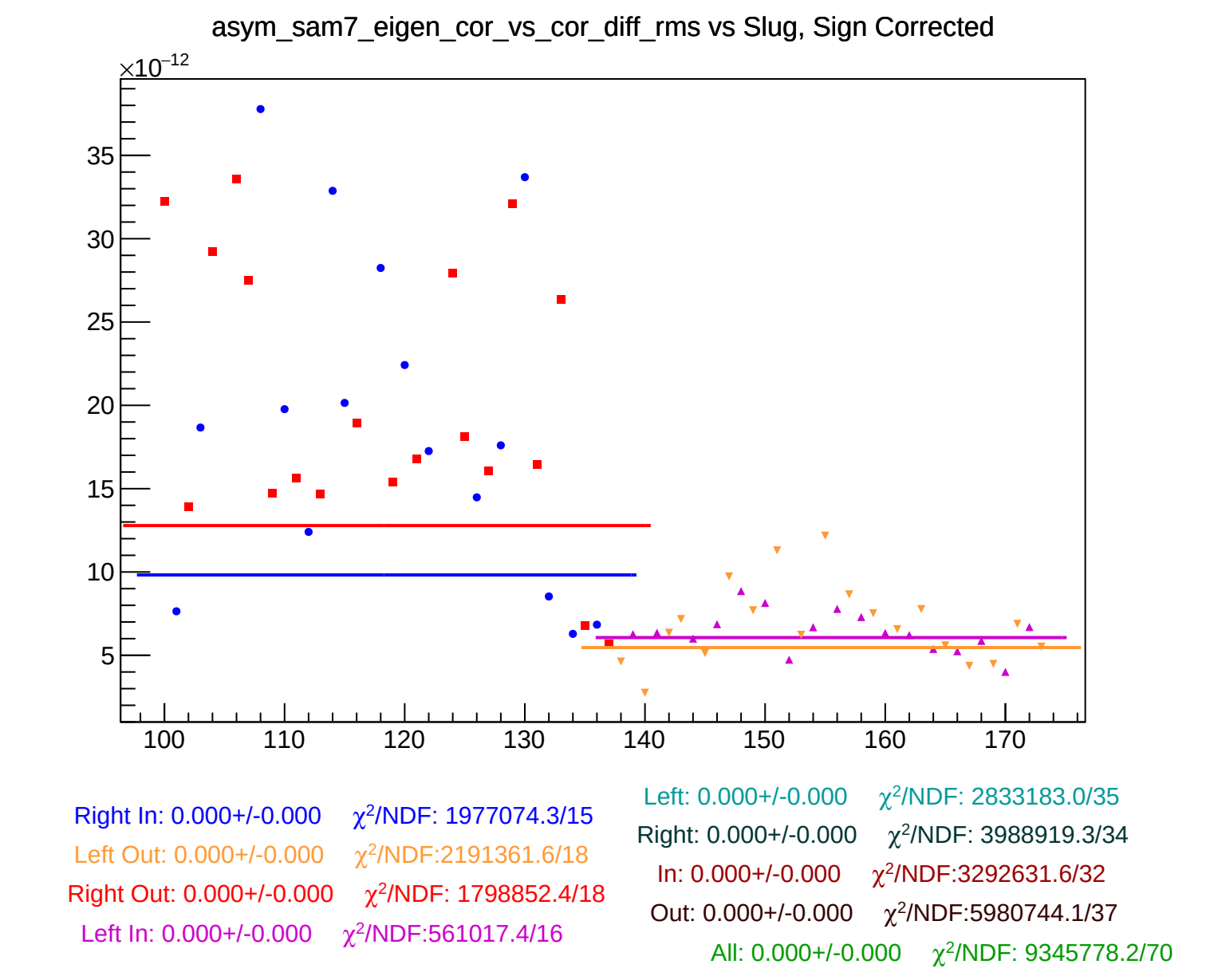
Left: 0.000+/-0.000 χ^2/NDF: 40.6/35

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

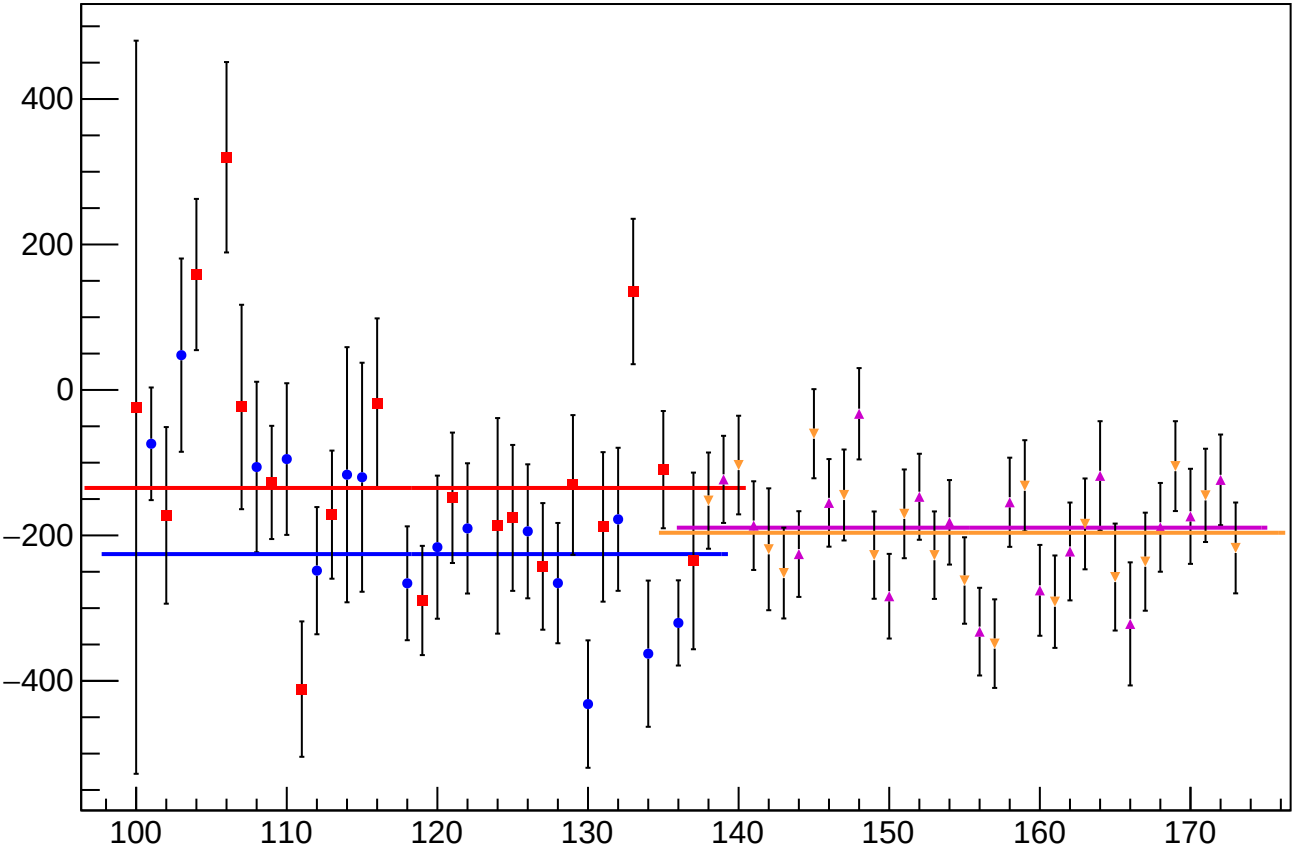
In: 0.000+/-0.000 χ^2/NDF:25.2/32

Out: 0.000+/-0.000 χ^2/NDF:51.7/37

All: 0.000+/-0.000 χ^2/NDF: 77.7/70


asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1977074.3/15
Left Out: 0.000+/-0.000 χ²/NDF:2191361.6/18
Right Out: 0.000+/-0.000 χ²/NDF: 1798852.4/18
Left In: 0.000+/-0.000 χ²/NDF:561017.4/16
Left: 0.000+/-0.000 χ²/NDF: 2833183.0/35
Right: 0.000+/-0.000 χ²/NDF: 3988919.3/34
In: 0.000+/-0.000 χ²/NDF:3292631.6/32
Out: 0.000+/-0.000 χ²/NDF:5980744.1/37
All: 0.000+/-0.000 χ²/NDF: 9345778.2/70

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -196.374+/-14.636 χ^2/NDF:24.3/18

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -189.371+/-15.184 χ^2/NDF:23.9/16

Left: -193.001+/-10.538 χ^2/NDF: 48.3/35

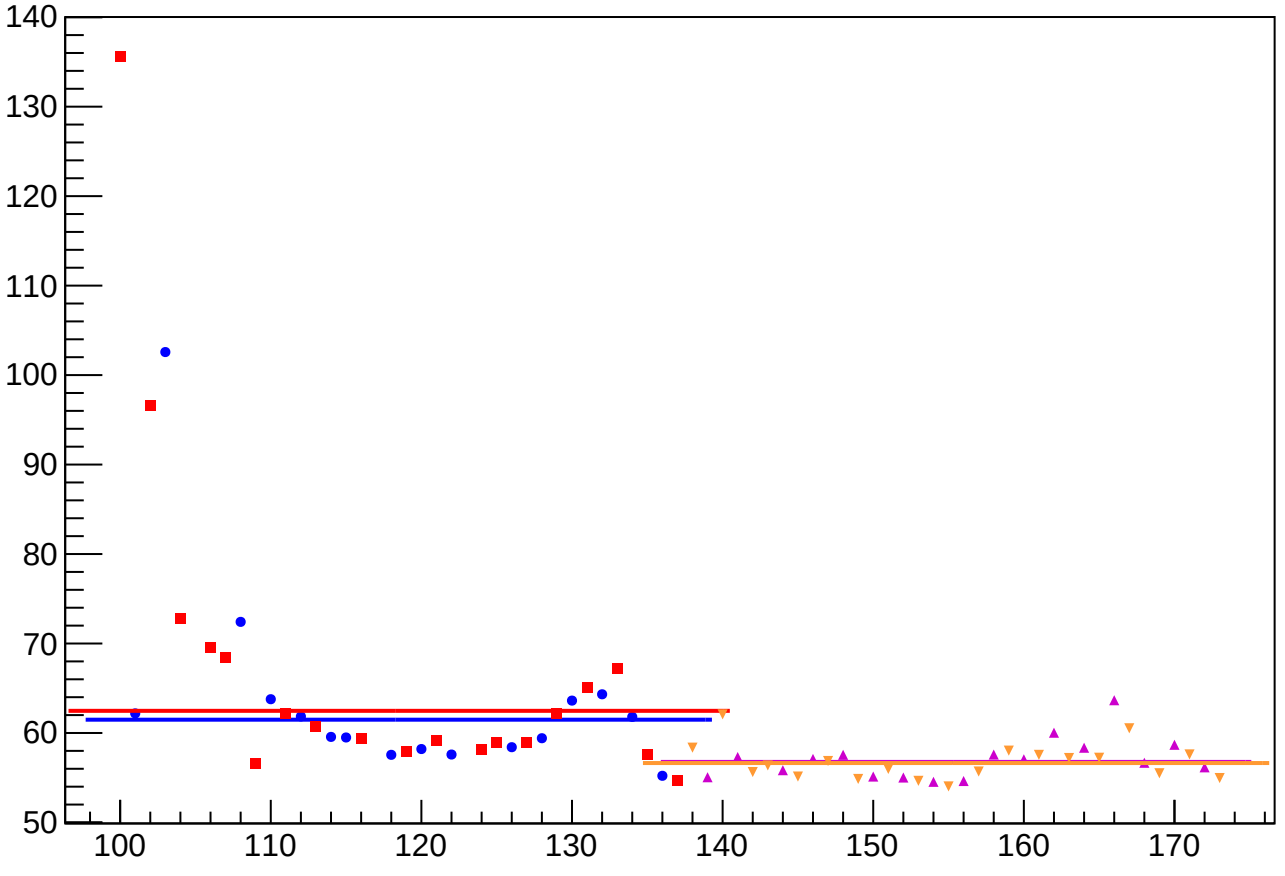
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -200.317+/-12.691 χ^2/NDF:48.2/32

Out: -178.824+/-12.378 χ^2/NDF:74.6/37

All: -189.301+/-8.861 χ^2/NDF: 124.3/70

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.641+/-0.010 χ^2/NDF:35228.6/18

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 56.767+/-0.011 χ^2/NDF:32618.8/16

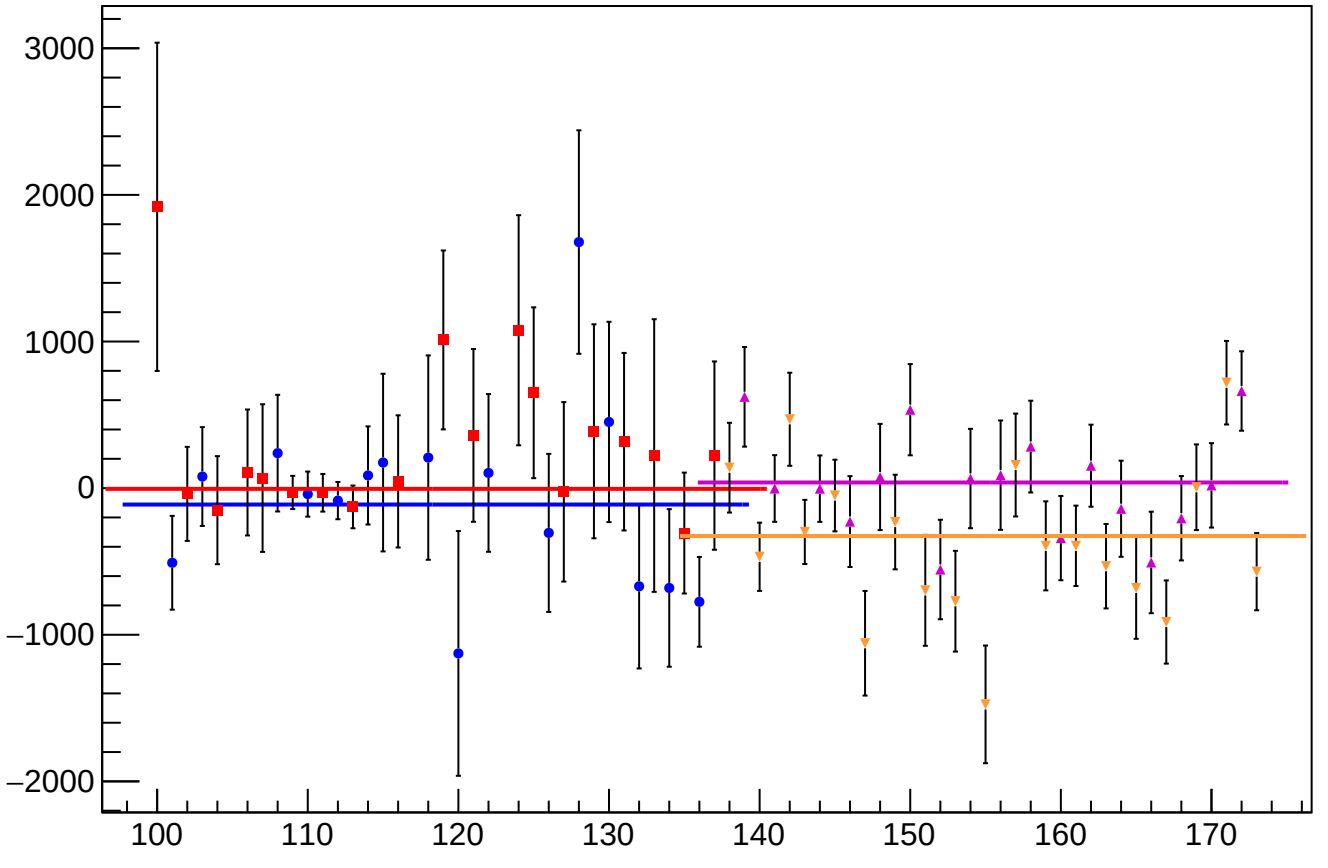
Left: 56.701+/-0.007 χ^2/NDF: 67918.7/35

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 58.189+/-0.009 χ^2/NDF:341508.3/32

Out: 58.303+/-0.009 χ^2/NDF:406916.9/37

All: 58.247+/-0.006 χ^2/NDF: 748507.6/70



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -326.395+/-67.520 χ^2/NDF:48.9/18

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 38.515+/-72.361 χ^2/NDF:20.7/16

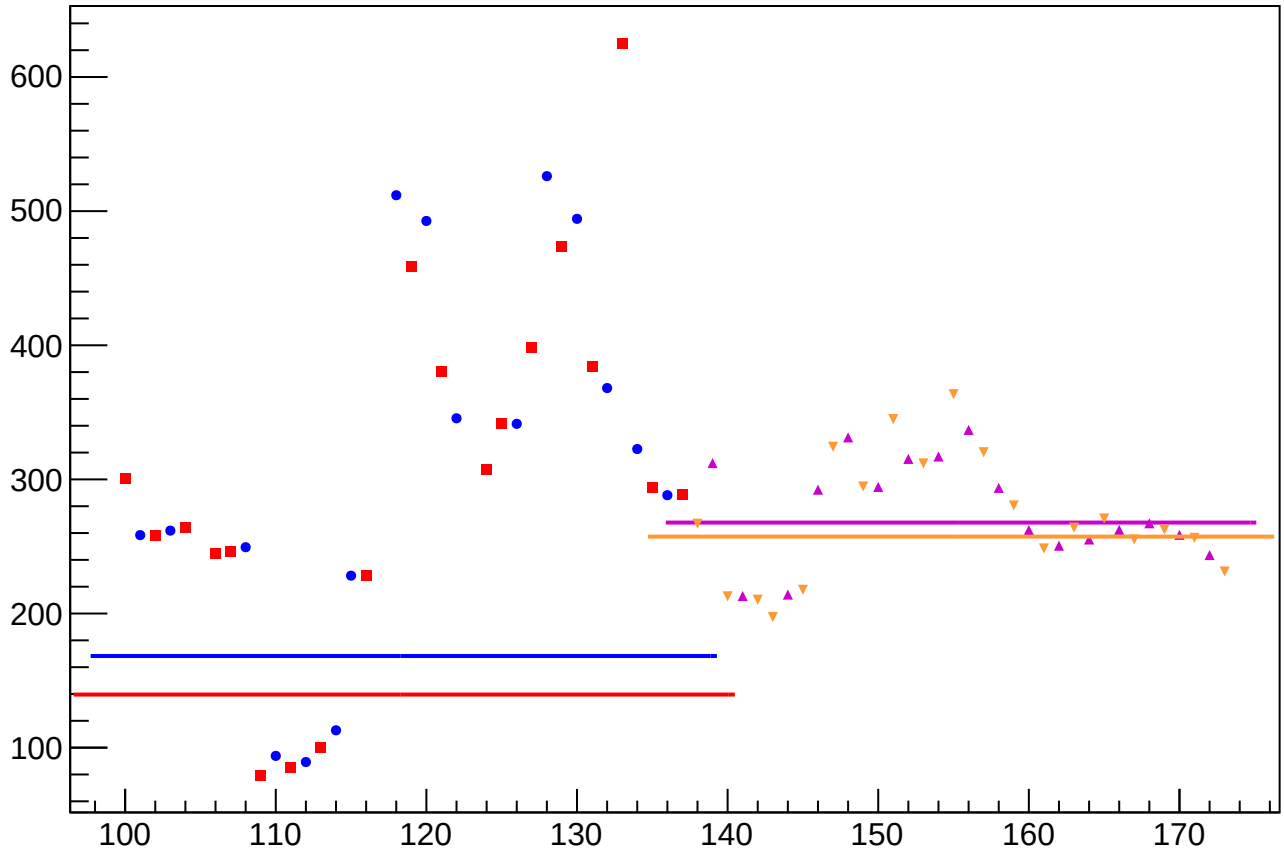
Left: -156.554+/-49.367 χ^2/NDF: 83.2/35

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -32.789+/-52.476 χ^2/NDF:41.2/32

Out: -156.876+/-46.424 χ^2/NDF:72.4/37

All: -102.397+/-34.770 χ^2/NDF: 116.8/70



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 257.341+/-0.048 χ^2/NDF:819743.7/18

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 267.819+/-0.051 χ^2/NDF:544594.2/16

Left: 262.218+/-0.035 χ^2/NDF: 1386756.0/35

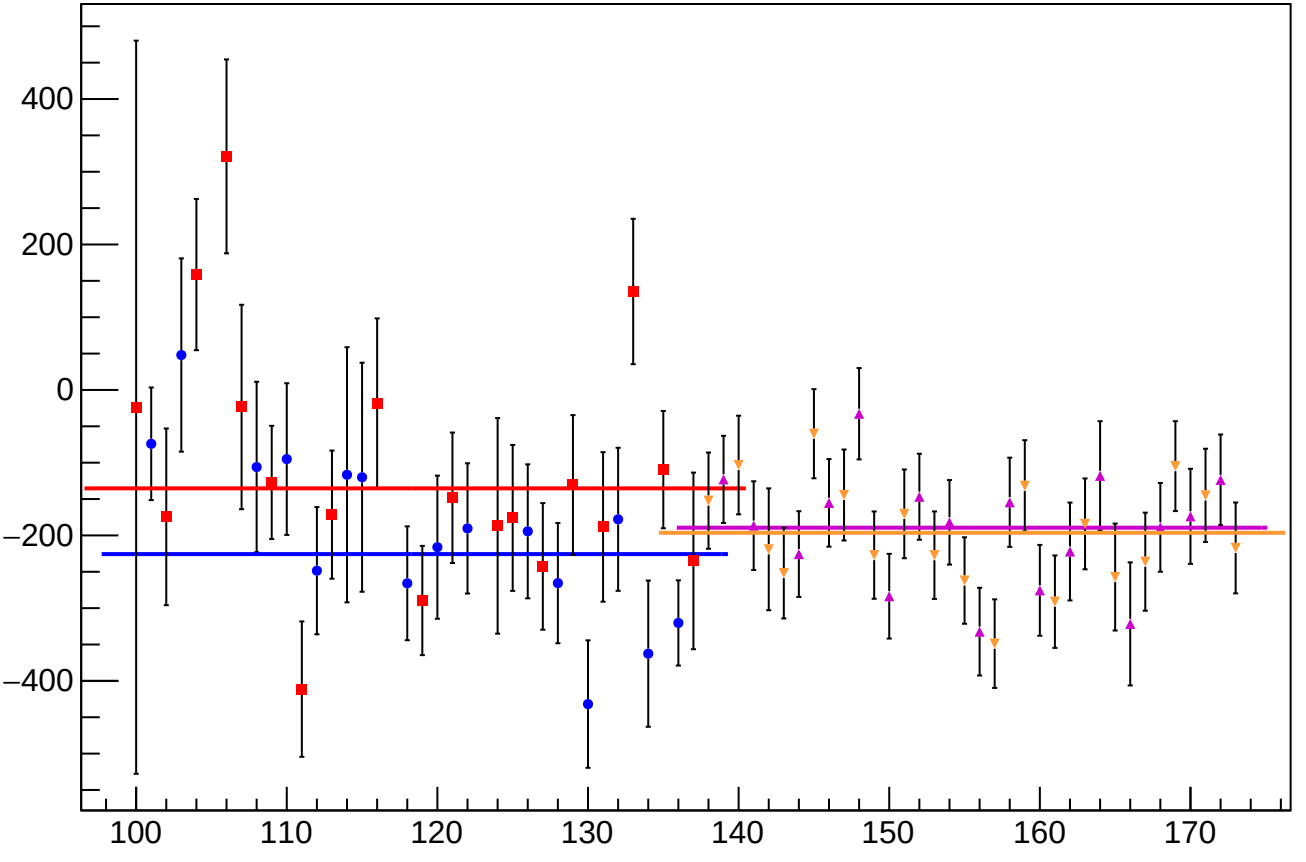
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 220.651+/-0.037 χ^2/NDF:6881050.4/32

Out: 195.256+/-0.033 χ^2/NDF:9180884.9/37

All: 206.405+/-0.025 χ^2/NDF: 16324696.1/70

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -196.372+/-14.636 χ^2/NDF:24.3/18

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -189.373+/-15.184 χ^2/NDF:23.9/16

Left: -193.001+/-10.538 χ^2/NDF: 48.3/35

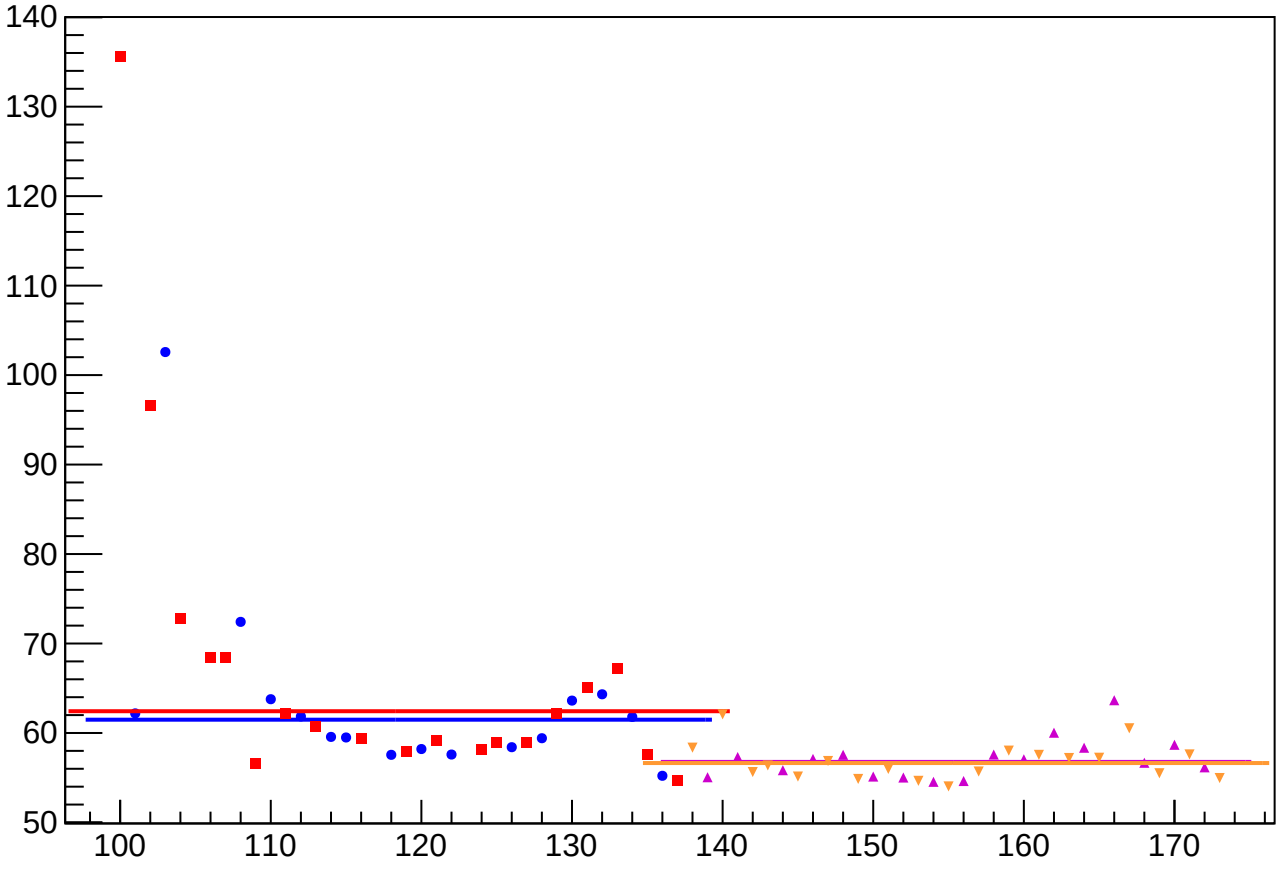
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -200.318+/-12.691 χ^2/NDF:48.2/32

Out: -178.993+/-12.380 χ^2/NDF:74.2/37

All: -189.391+/-8.862 χ^2/NDF: 123.9/70

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.641+/-0.010 χ^2/NDF:35228.6/18

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.767+/-0.011 χ^2/NDF:32618.8/16

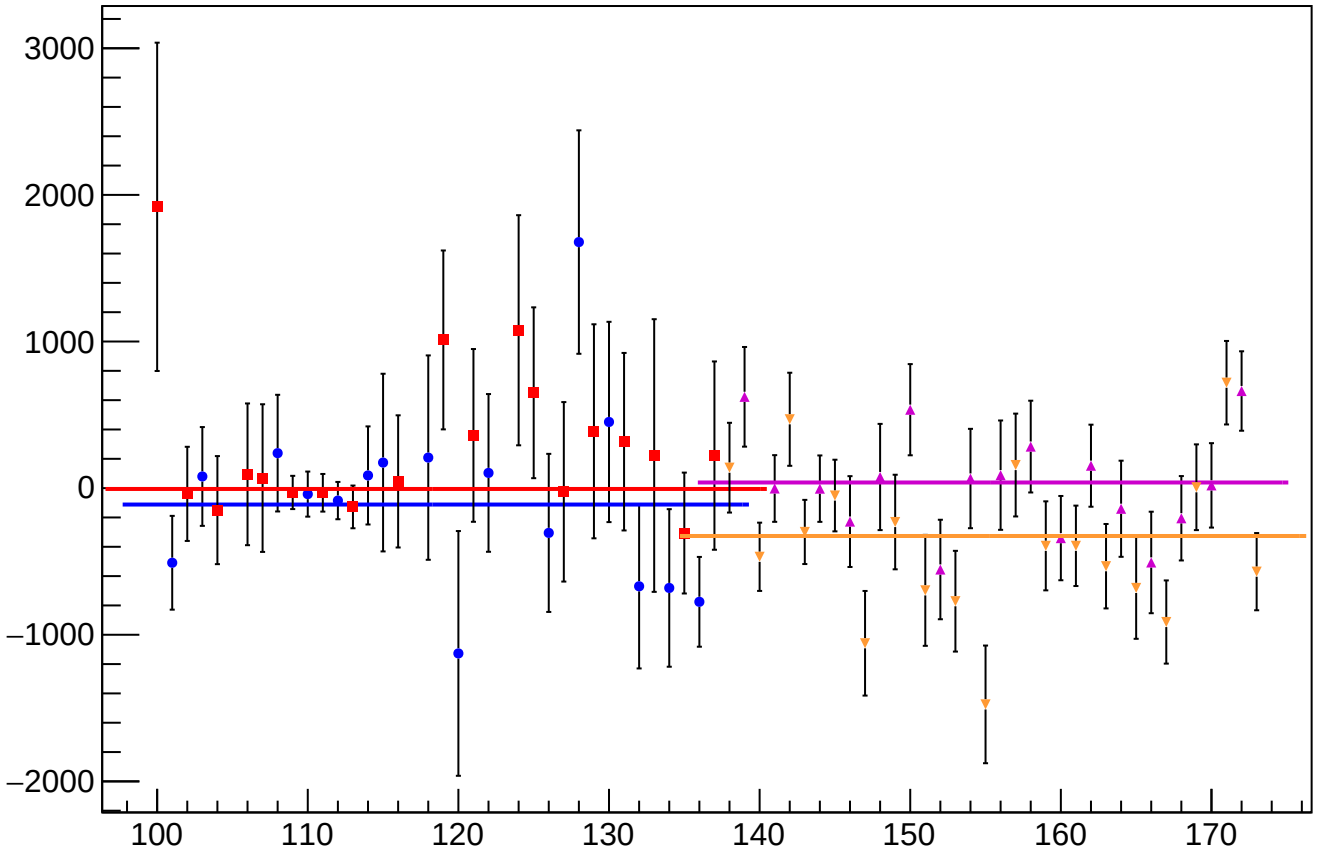
Left: 56.701+/-0.007 χ^2/NDF: 67918.7/35

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.189+/-0.009 χ^2/NDF:341510.9/32

Out: 58.289+/-0.009 χ^2/NDF:403771.7/37

All: 58.240+/-0.006 χ^2/NDF: 745346.5/70



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -326.392+/-67.520 χ^2/NDF:48.9/18

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 38.511+/-72.361 χ^2/NDF:20.7/16

Left: -156.554+/-49.367 χ^2/NDF: 83.2/35

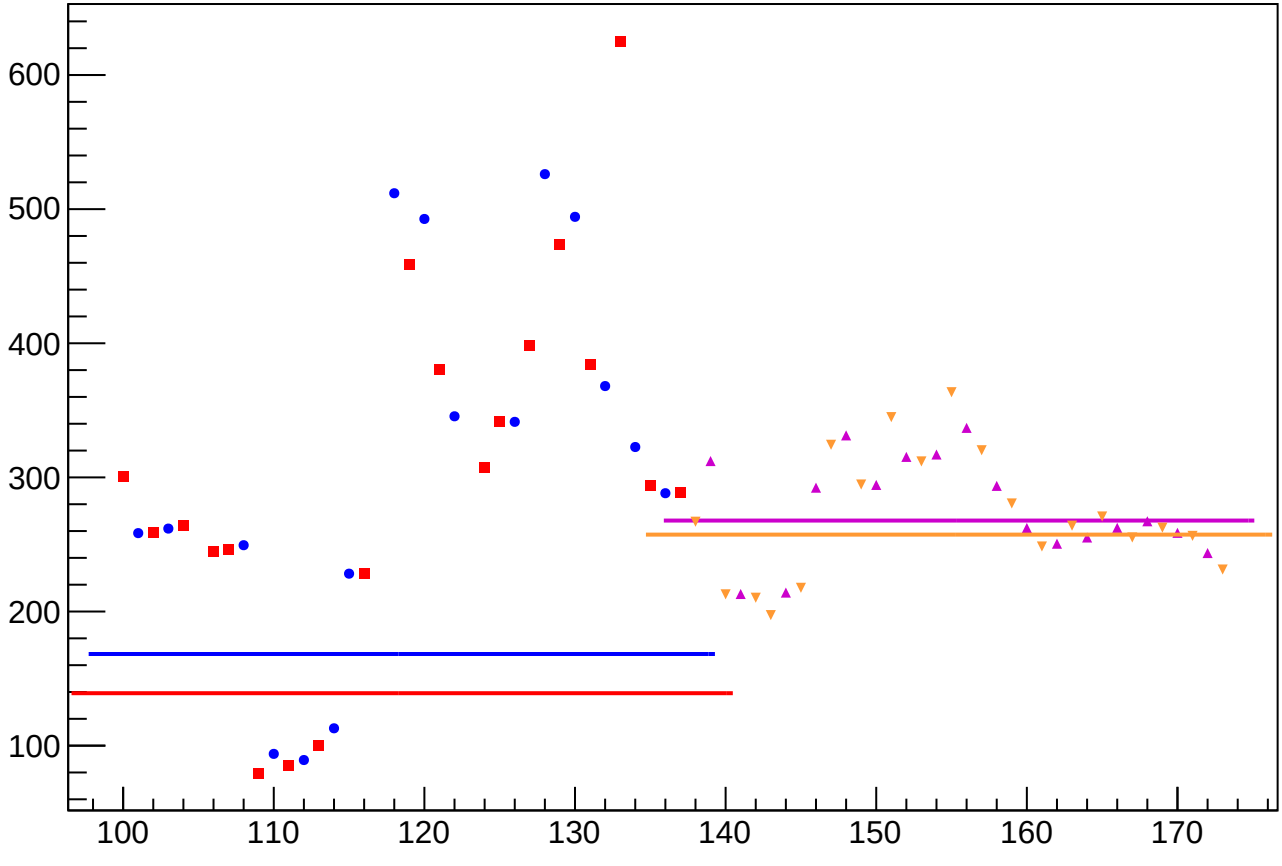
Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -32.782+/-52.476 χ^2/NDF:41.2/32

Out: -157.636+/-46.482 χ^2/NDF:72.3/37

All: -102.744+/-34.795 χ^2/NDF: 116.8/70

asym_sam8_cor_correction_rms vs Slug, Sign Corrected



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 257.340+/-0.048 χ^2/NDF:819747.9/18

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 267.819+/-0.051 χ^2/NDF:544594.6/16

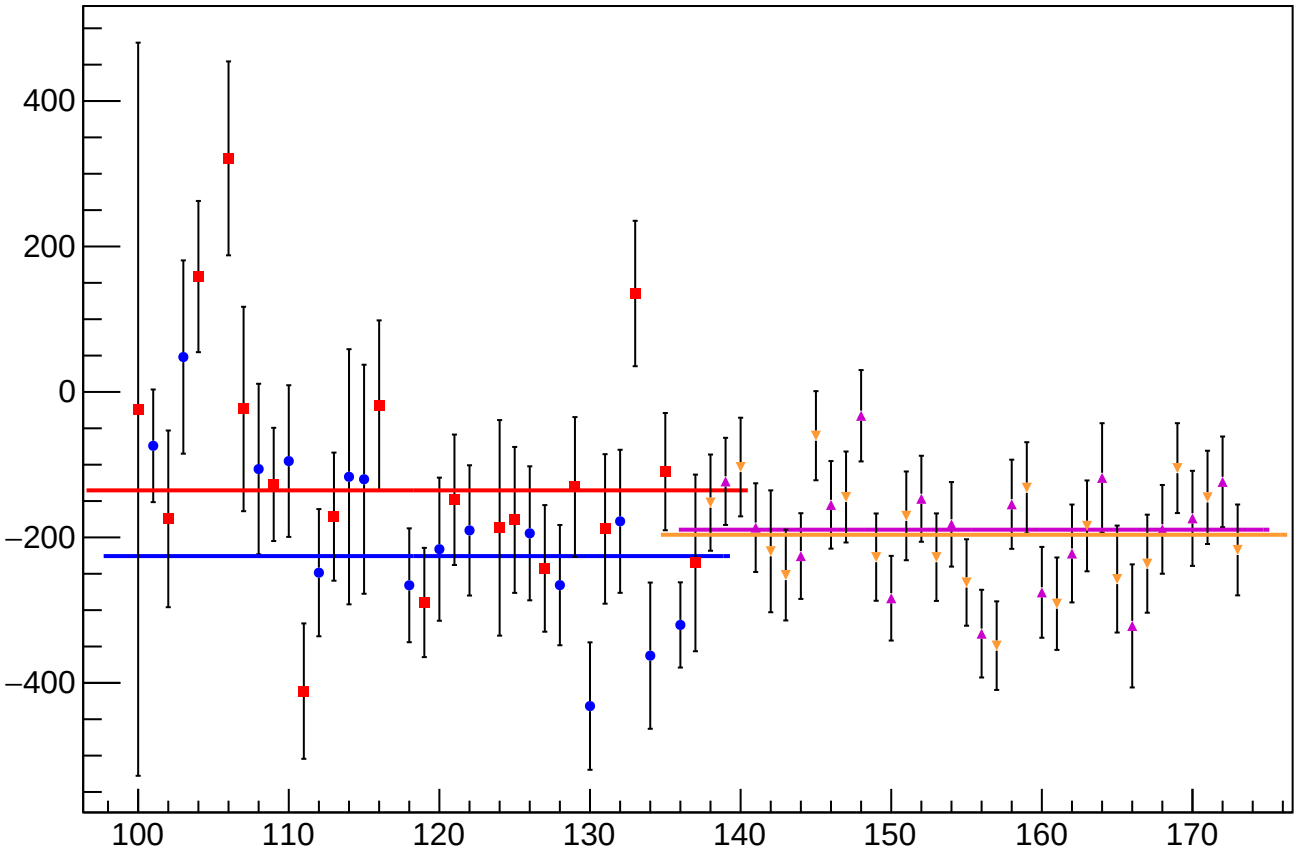
Left: 262.217+/-0.035 χ^2/NDF: 1386760.7/35

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

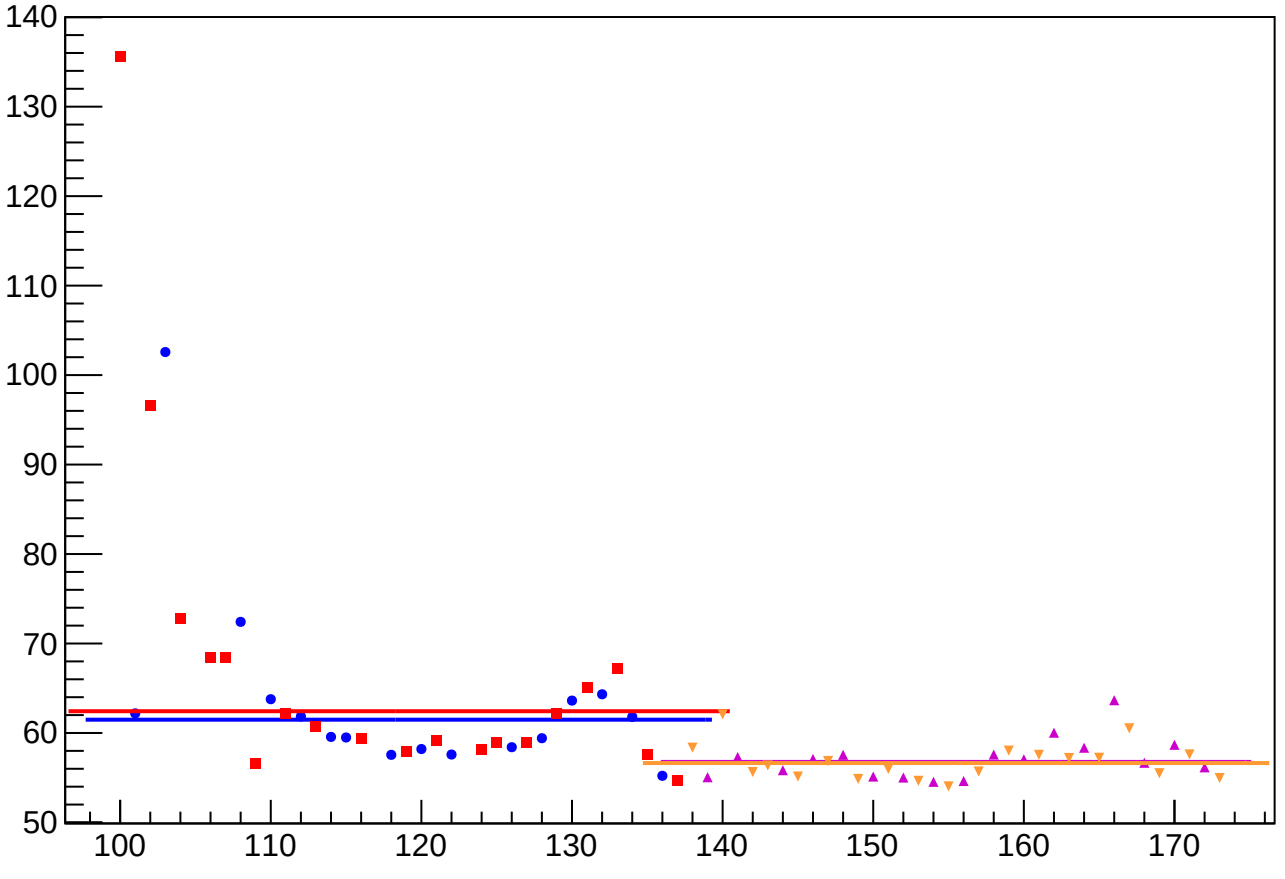
In: 220.652+/-0.037 χ^2/NDF:6881081.2/32

Out: 195.138+/-0.033 χ^2/NDF:9176153.1/37

All: 206.355+/-0.025 χ^2/NDF: 16322150.0/70


eigen_cor_asym_sam8_mean vs Slug, Sign Corrected
400
200
0
−200
−400
100
110
120
130
140
150
160
170
Right In: -225.692+/-23.118 χ²/NDF: 22.6/15
Left Out: -196.372+/-14.636 χ²/NDF:24.3/18
Right Out: -135.311+/-23.205 χ²/NDF: 44.9/18
Left In: -189.373+/-15.184 χ²/NDF:23.9/16
Left: -193.001+/-10.538 χ²/NDF: 48.3/35
Right: -180.670+/-16.378 χ²/NDF: 75.1/34
In: -200.318+/-12.691 χ²/NDF:48.2/32
Out: -178.993+/-12.380 χ²/NDF:74.2/37
All: -189.391+/-8.862 χ²/NDF: 123.9/70

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.641+/-0.010 χ^2/NDF:35228.6/18

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.767+/-0.011 χ^2/NDF:32618.8/16

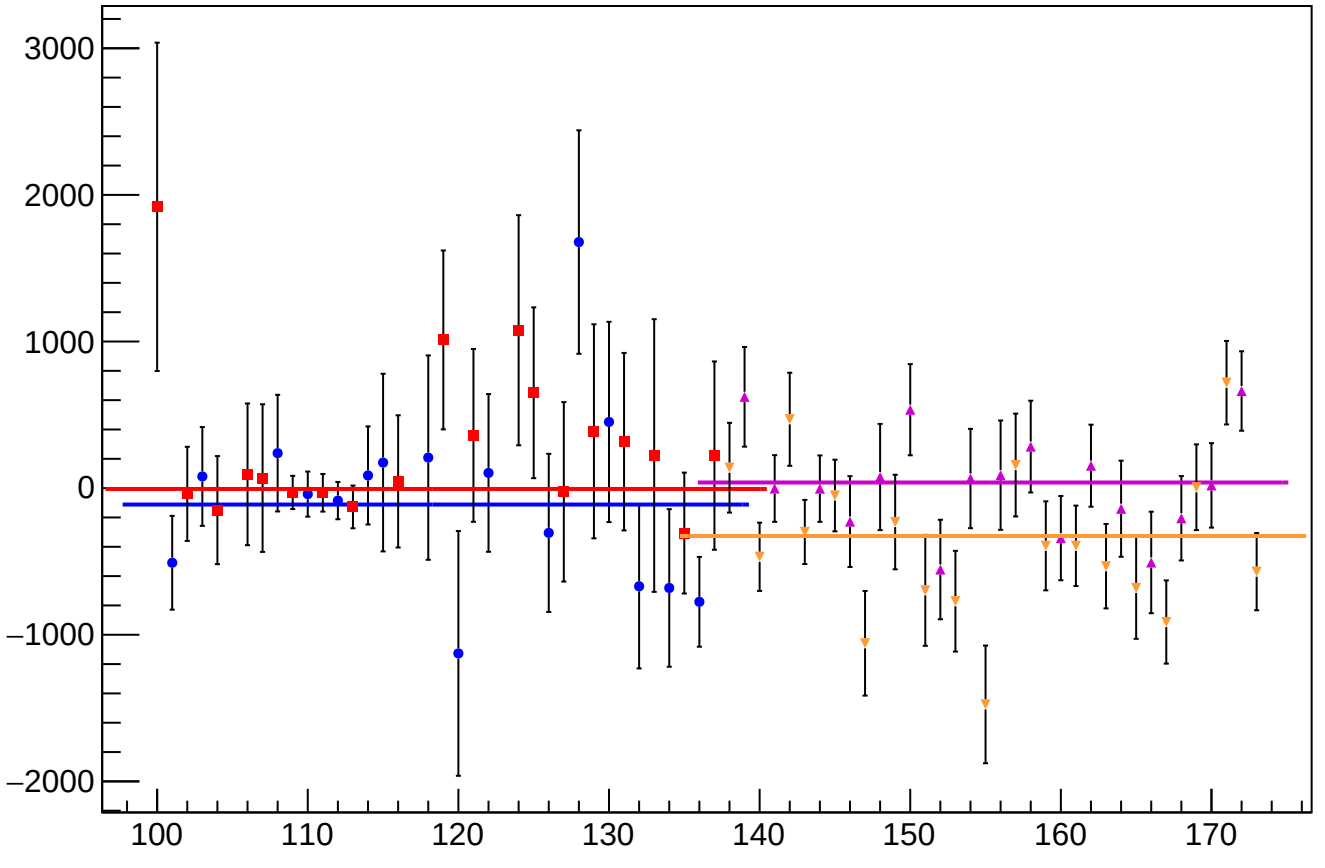
Left: 56.701+/-0.007 χ^2/NDF: 67918.7/35

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.189+/-0.009 χ^2/NDF:341510.9/32

Out: 58.289+/-0.009 χ^2/NDF:403771.7/37

All: 58.240+/-0.006 χ^2/NDF: 745346.5/70



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -326.392+/-67.520 χ^2/NDF:48.9/18

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 38.511+/-72.361 χ^2/NDF:20.7/16

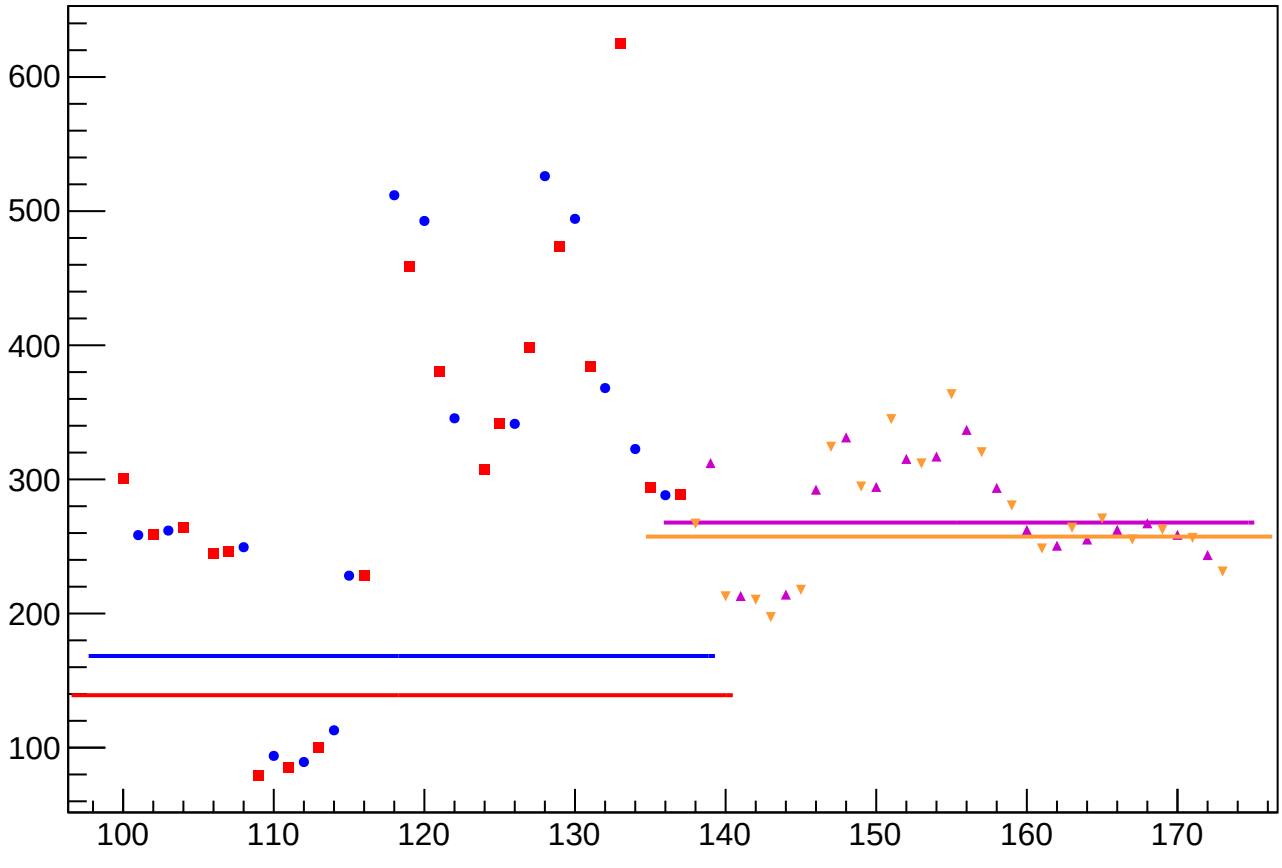
Left: -156.554+/-49.367 χ^2/NDF: 83.2/35

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -32.782+/-52.476 χ^2/NDF:41.2/32

Out: -157.636+/-46.482 χ^2/NDF:72.3/37

All: -102.744+/-34.795 χ^2/NDF: 116.8/70



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 257.340+/-0.048 χ^2/NDF:819747.9/18

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 267.819+/-0.051 χ^2/NDF:544594.6/16

Left: 262.217+/-0.035 χ^2/NDF: 1386760.7/35

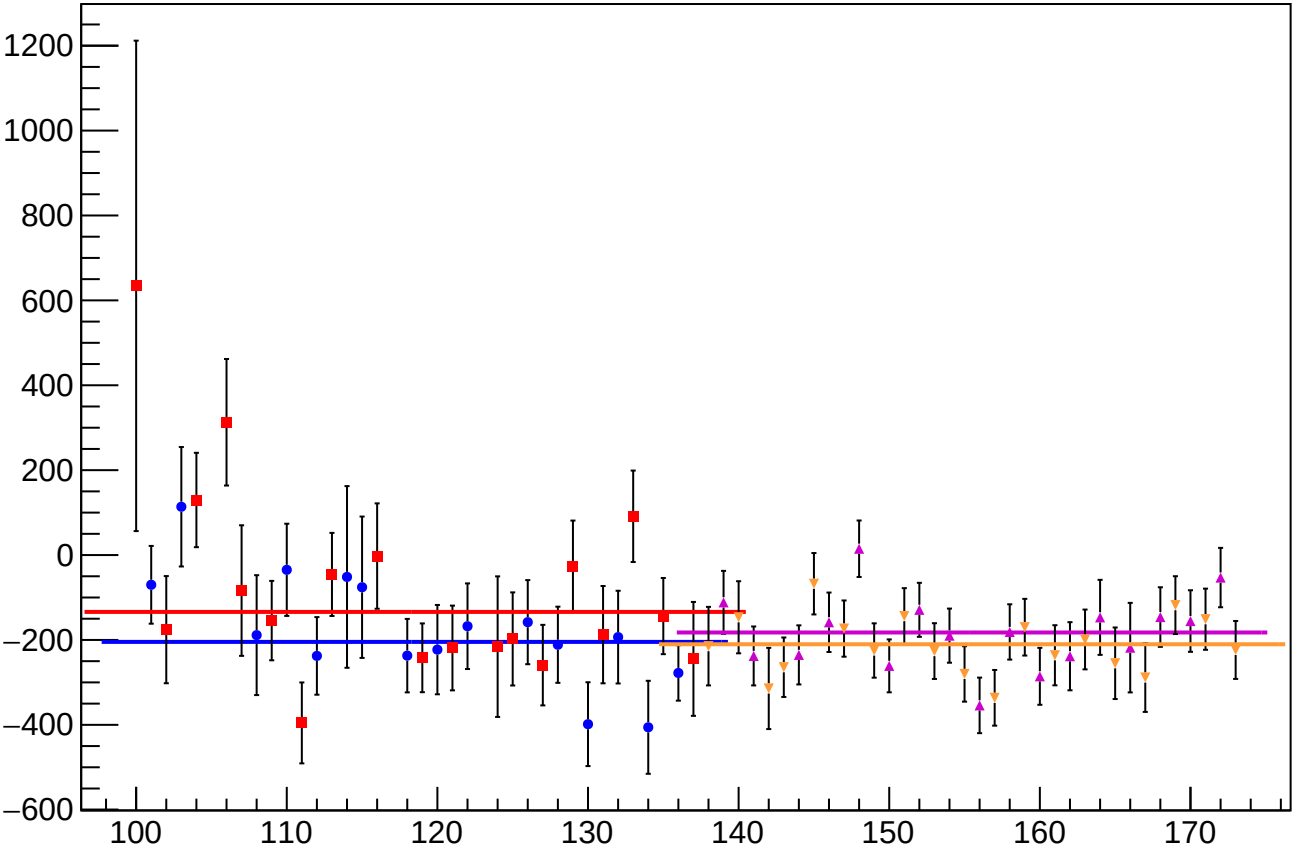
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 220.652+/-0.037 χ^2/NDF:6881081.2/32

Out: 195.138+/-0.033 χ^2/NDF:9176153.1/37

All: 206.355+/-0.025 χ^2/NDF: 16322150.0/70

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -210.140+/-16.436 χ^2/NDF:16.8/18

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -182.408+/-17.055 χ^2/NDF:27.2/16

Left: -196.786+/-11.835 χ^2/NDF: 45.4/35

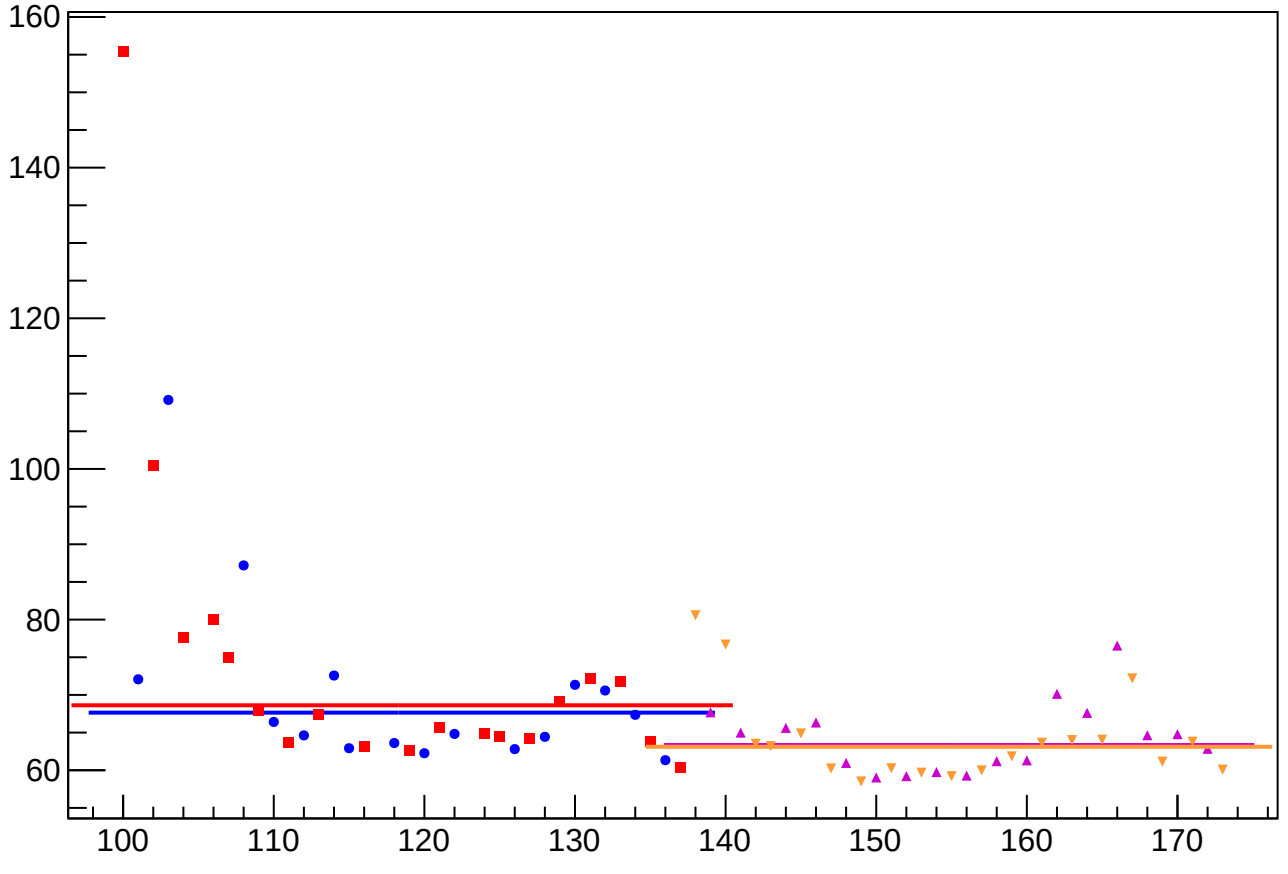
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -189.251+/-14.180 χ^2/NDF:47.7/32

Out: -187.750+/-13.812 χ^2/NDF:60.3/37

All: -188.481+/-9.894 χ^2/NDF: 108.1/70

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 63.116+/-0.012 χ^2/NDF:190881.6/18

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 63.348+/-0.012 χ^2/NDF:104279.2/16

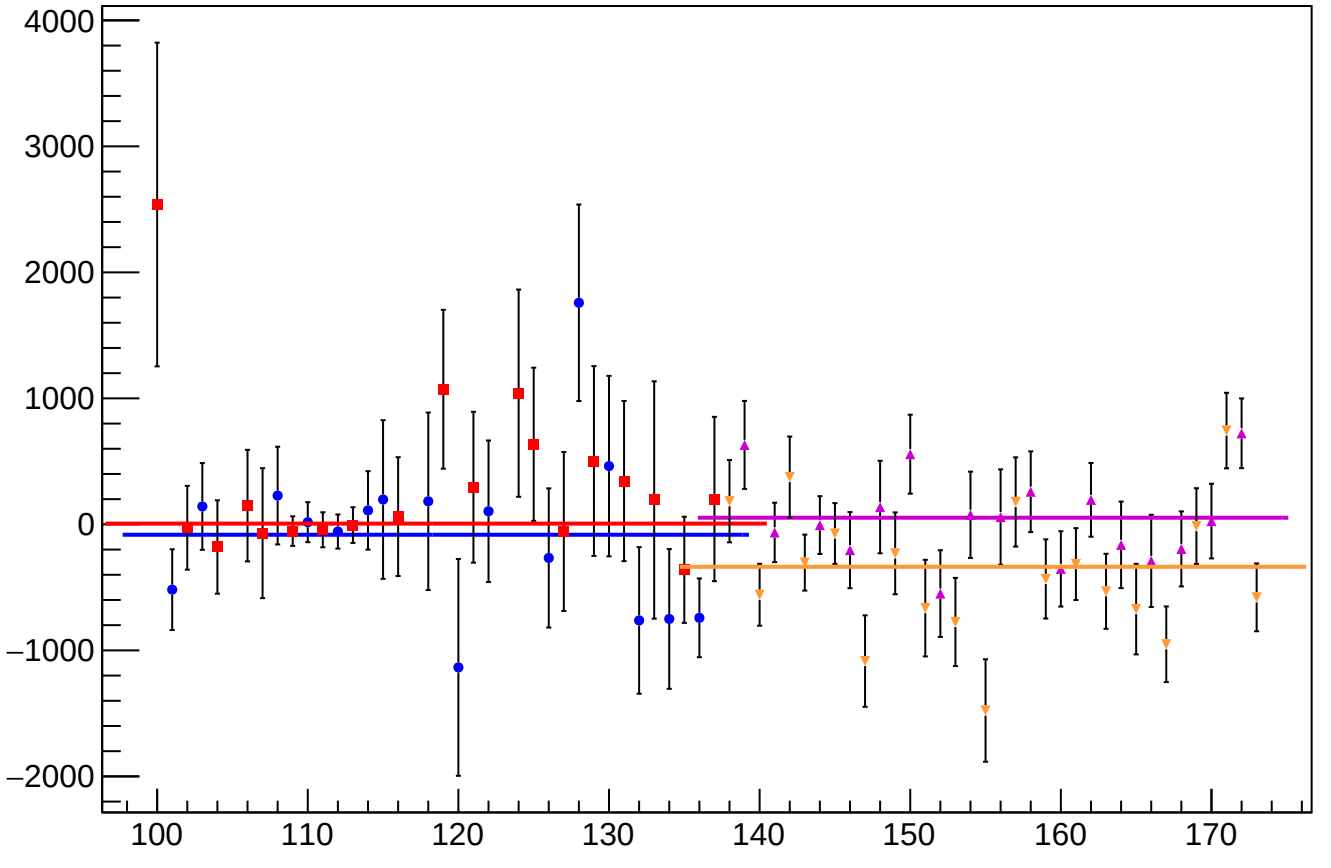
Left: 63.228+/-0.008 χ^2/NDF: 295352.7/35

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 64.675+/-0.010 χ^2/NDF:407185.4/32

Out: 64.734+/-0.010 χ^2/NDF:505032.4/37

All: 64.705+/-0.007 χ^2/NDF: 912235.6/70



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -336.909+/-69.385 χ^2/NDF:46.7/18

Right Out: 6.063+/-65.910 χ^2/NDF: 12.0/18

Left In: 52.827+/-74.135 χ^2/NDF:19.8/16

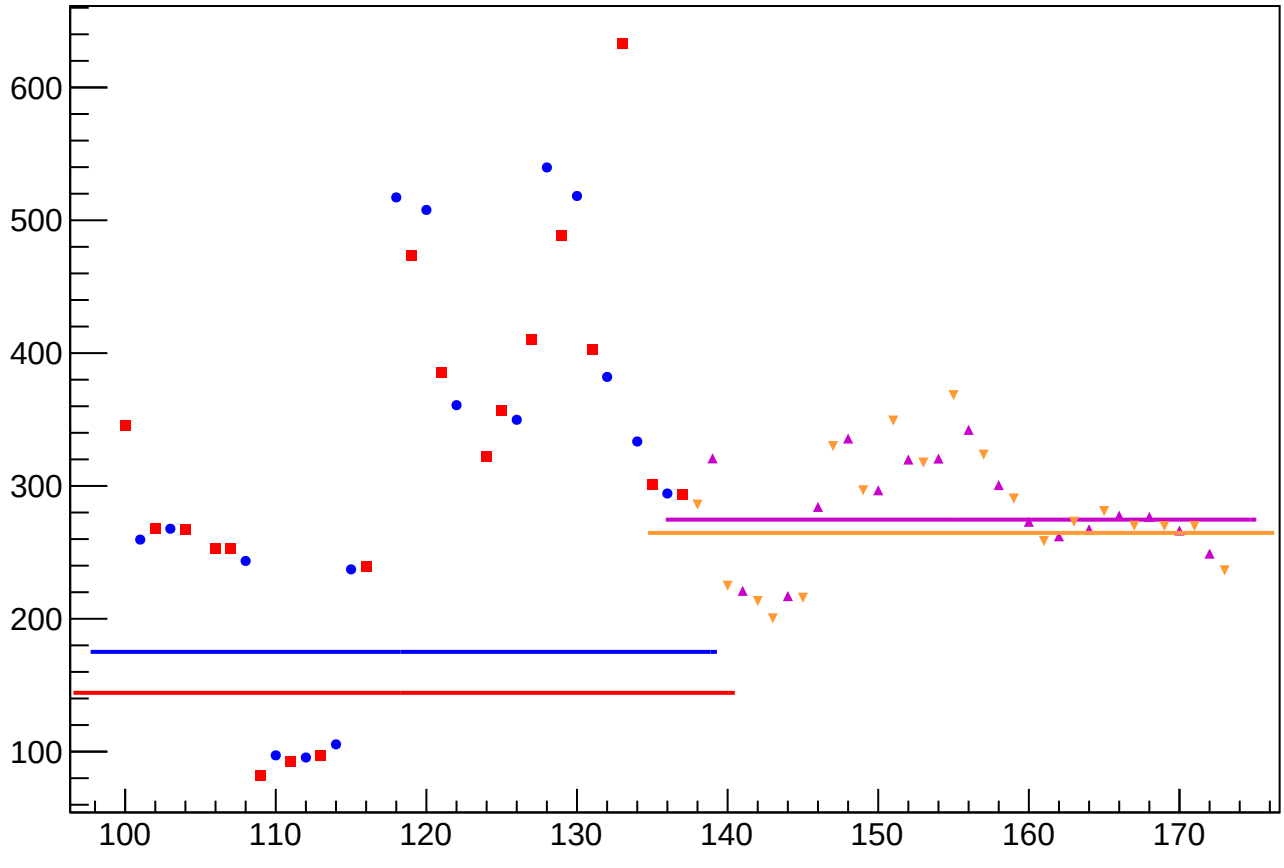
Left: -154.925+/-50.659 χ^2/NDF: 81.2/35

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -10.690+/-53.955 χ^2/NDF:40.6/32

Out: -156.620+/-47.787 χ^2/NDF:71.6/37

All: -92.470+/-35.773 χ^2/NDF: 116.2/70



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 264.658+/-0.049 χ^2/NDF:818299.0/18

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 274.631+/-0.052 χ^2/NDF:502582.2/16

Left: 269.315+/-0.036 χ^2/NDF: 1340171.3/35

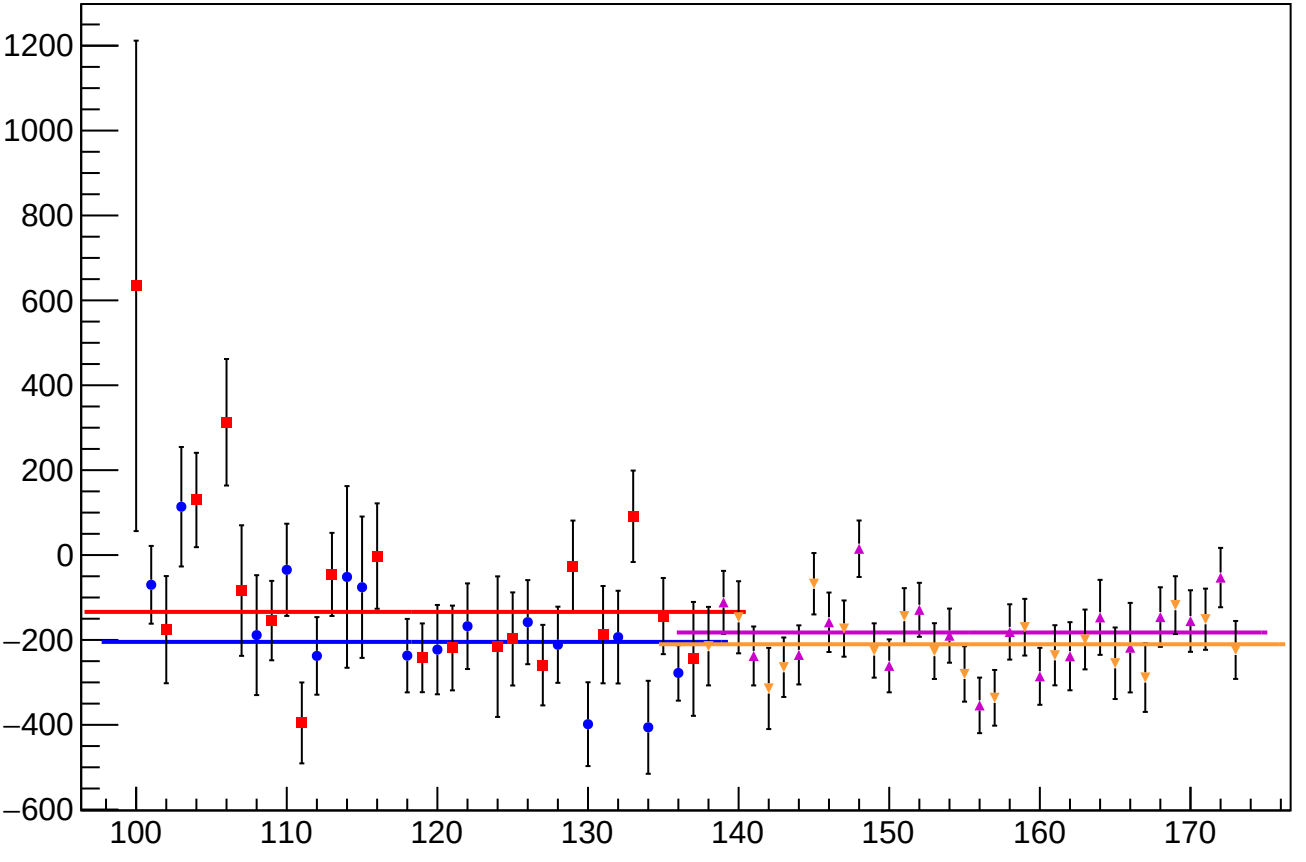
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 227.820+/-0.038 χ^2/NDF:6627115.4/32

Out: 201.378+/-0.034 χ^2/NDF:9115440.7/37

All: 213.002+/-0.025 χ^2/NDF: 16011754.1/70

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -210.140+/-16.436 χ^2/NDF:16.8/18

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -182.409+/-17.055 χ^2/NDF:27.2/16

Left: -196.786+/-11.835 χ^2/NDF: 45.4/35

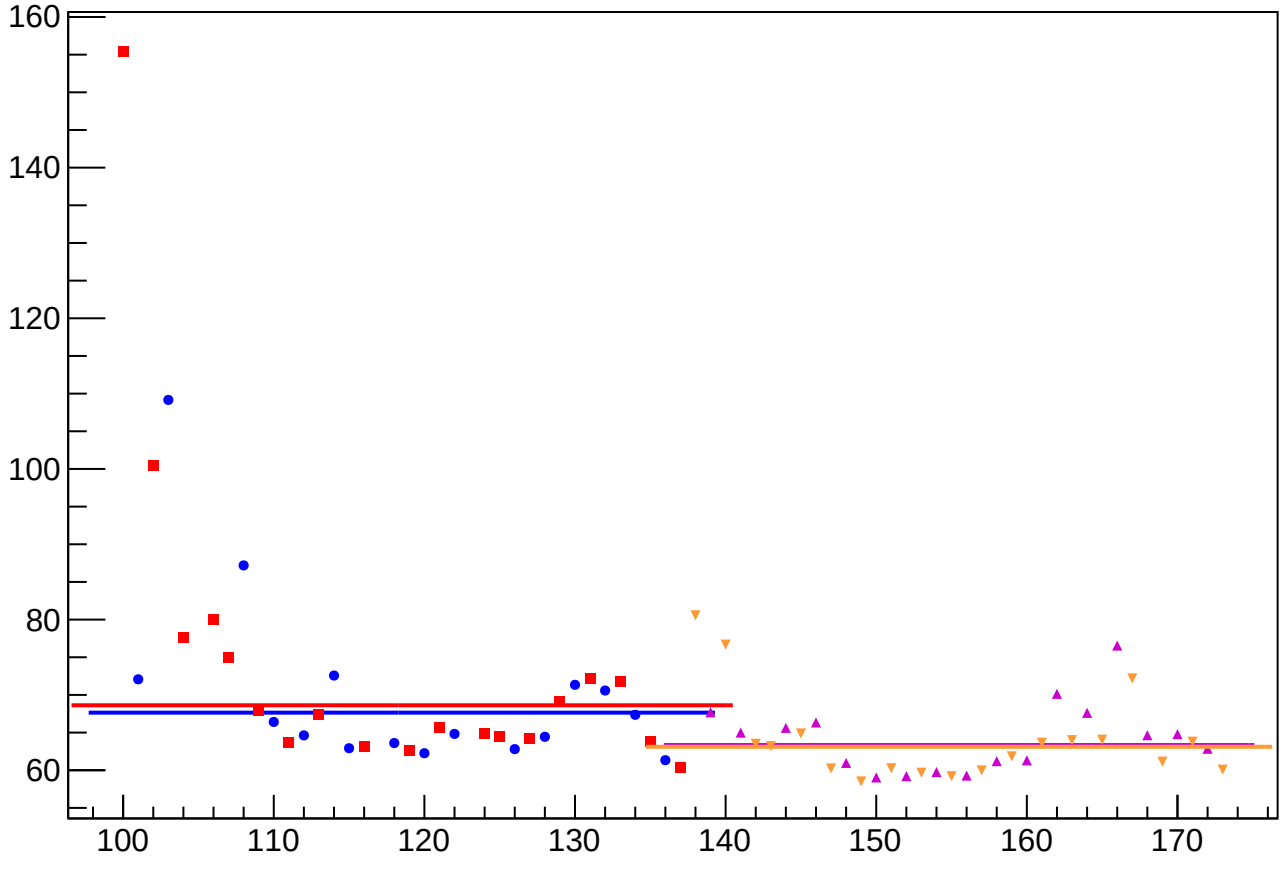
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -189.251+/-14.180 χ^2/NDF:47.7/32

Out: -187.750+/-13.812 χ^2/NDF:60.3/37

All: -188.481+/-9.894 χ^2/NDF: 108.1/70

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 63.116+/-0.012 χ^2/NDF:190880.3/18

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 63.348+/-0.012 χ^2/NDF:104279.4/16

Left: 63.228+/-0.008 χ^2/NDF: 295351.6/35

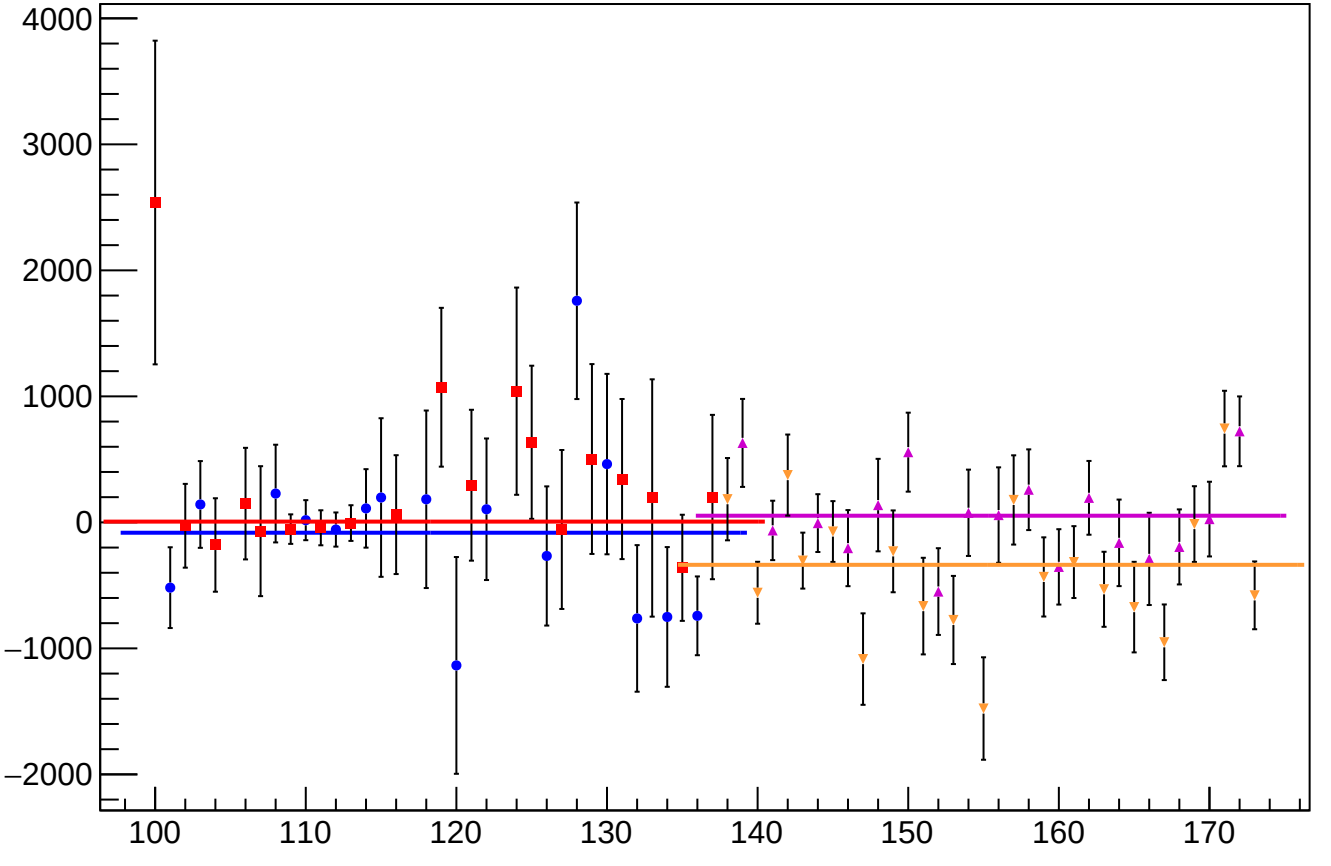
Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 64.675+/-0.010 χ^2/NDF:407180.6/32

Out: 64.734+/-0.010 χ^2/NDF:505027.1/37

All: 64.705+/-0.007 χ^2/NDF: 912225.5/70

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -336.909+/-69.385 χ^2/NDF:46.7/18

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 52.827+/-74.135 χ^2/NDF:19.8/16

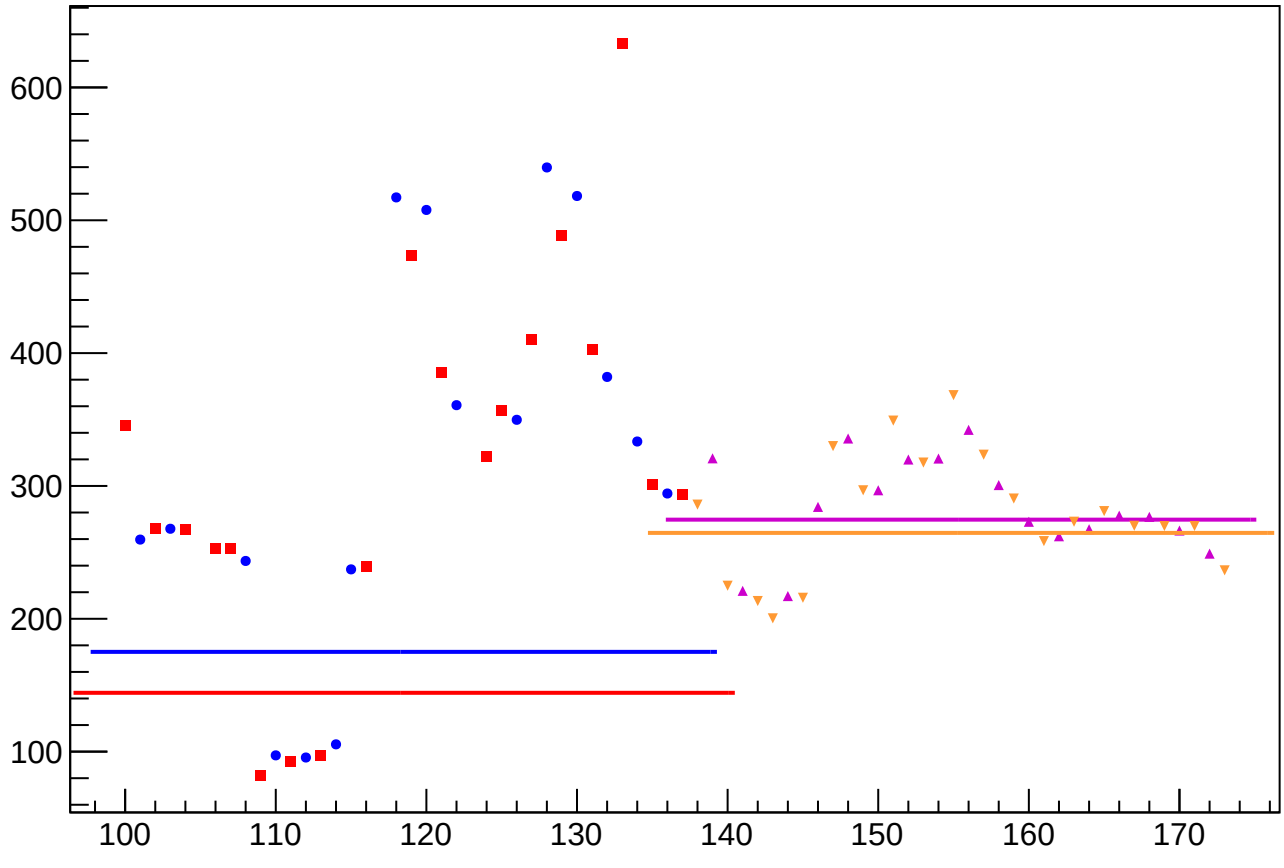
Left: -154.925+/-50.658 χ^2/NDF: 81.2/35

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -10.690+/-53.955 χ^2/NDF:40.6/32

Out: -156.621+/-47.787 χ^2/NDF:71.6/37

All: -92.471+/-35.773 χ^2/NDF: 116.2/70



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 264.657+/-0.049 χ^2/NDF:818308.4/18

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 274.630+/-0.052 χ^2/NDF:502584.3/16

Left: 269.314+/-0.036 χ^2/NDF: 1340183.4/35

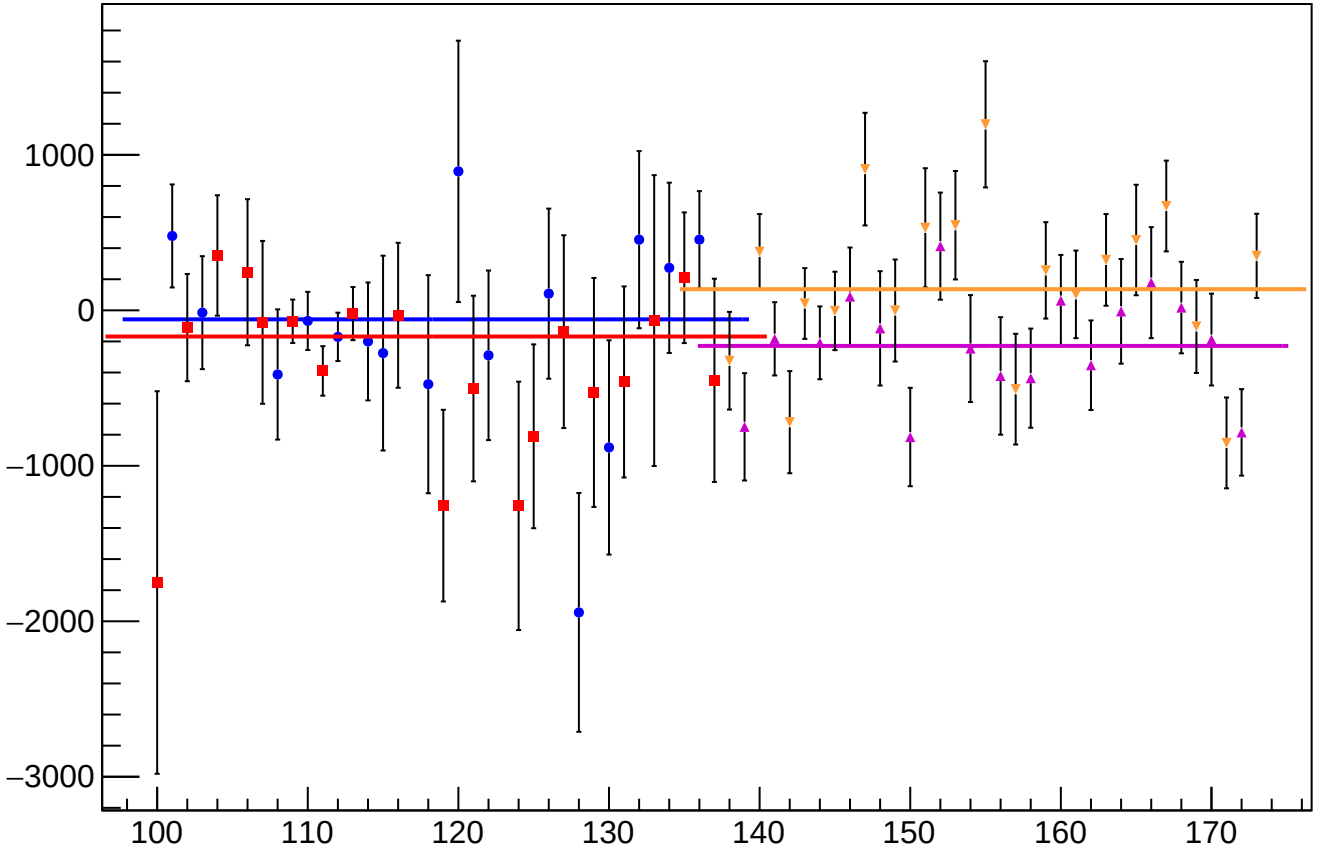
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 227.819+/-0.038 χ^2/NDF:6627171.9/32

Out: 201.377+/-0.034 χ^2/NDF:9115411.8/37

All: 213.001+/-0.025 χ^2/NDF: 16011769.6/70

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 136.051+/-69.338 χ^2/NDF:45.1/18

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -228.860+/-74.129 χ^2/NDF:18.6/16

Left: -34.232+/-50.639 χ^2/NDF: 76.6/35

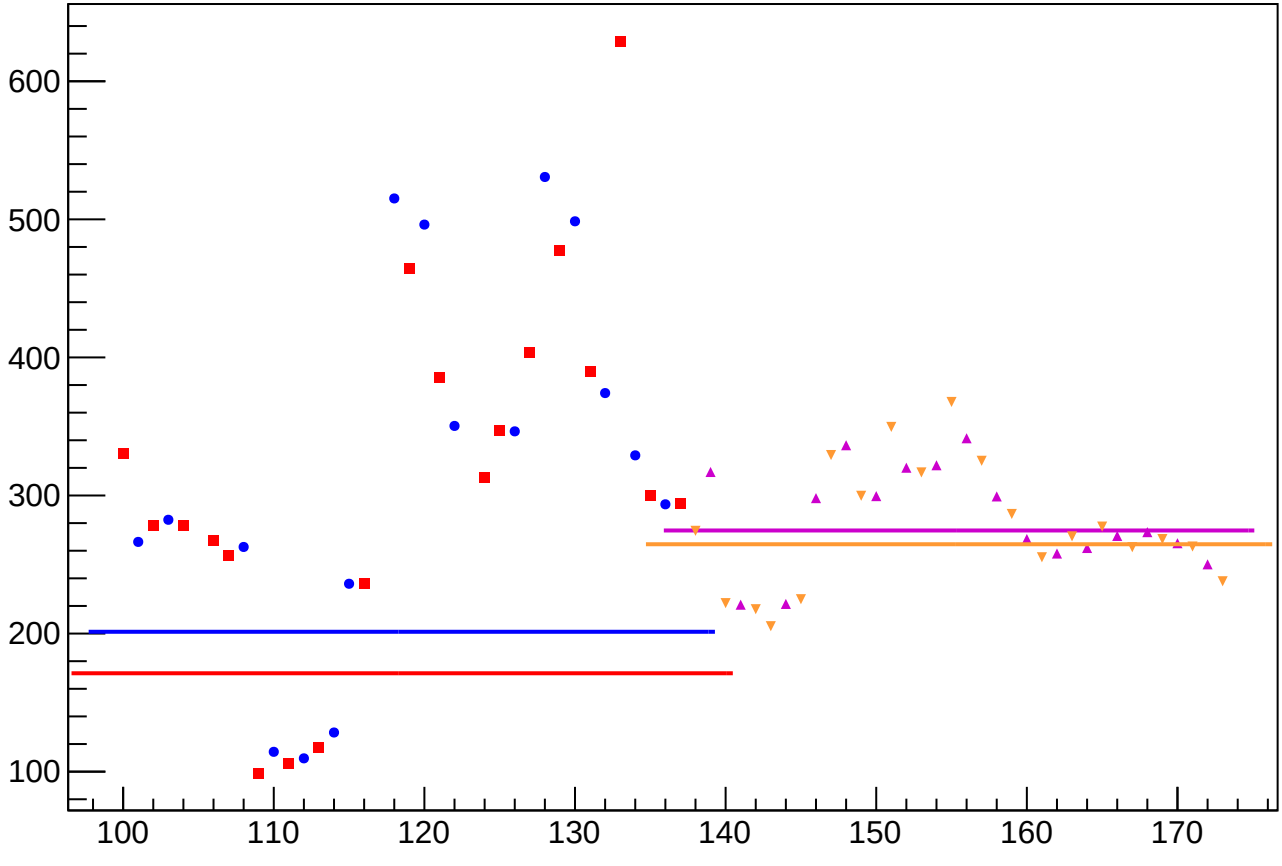
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -156.874+/-56.395 χ^2/NDF:38.2/32

Out: -5.028+/-50.787 χ^2/NDF:69.5/37

All: -73.029+/-37.739 χ^2/NDF: 111.8/70

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 264.695+/-0.049 χ^2/NDF:741976.4/18

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 274.665+/-0.052 χ^2/NDF:492281.1/16

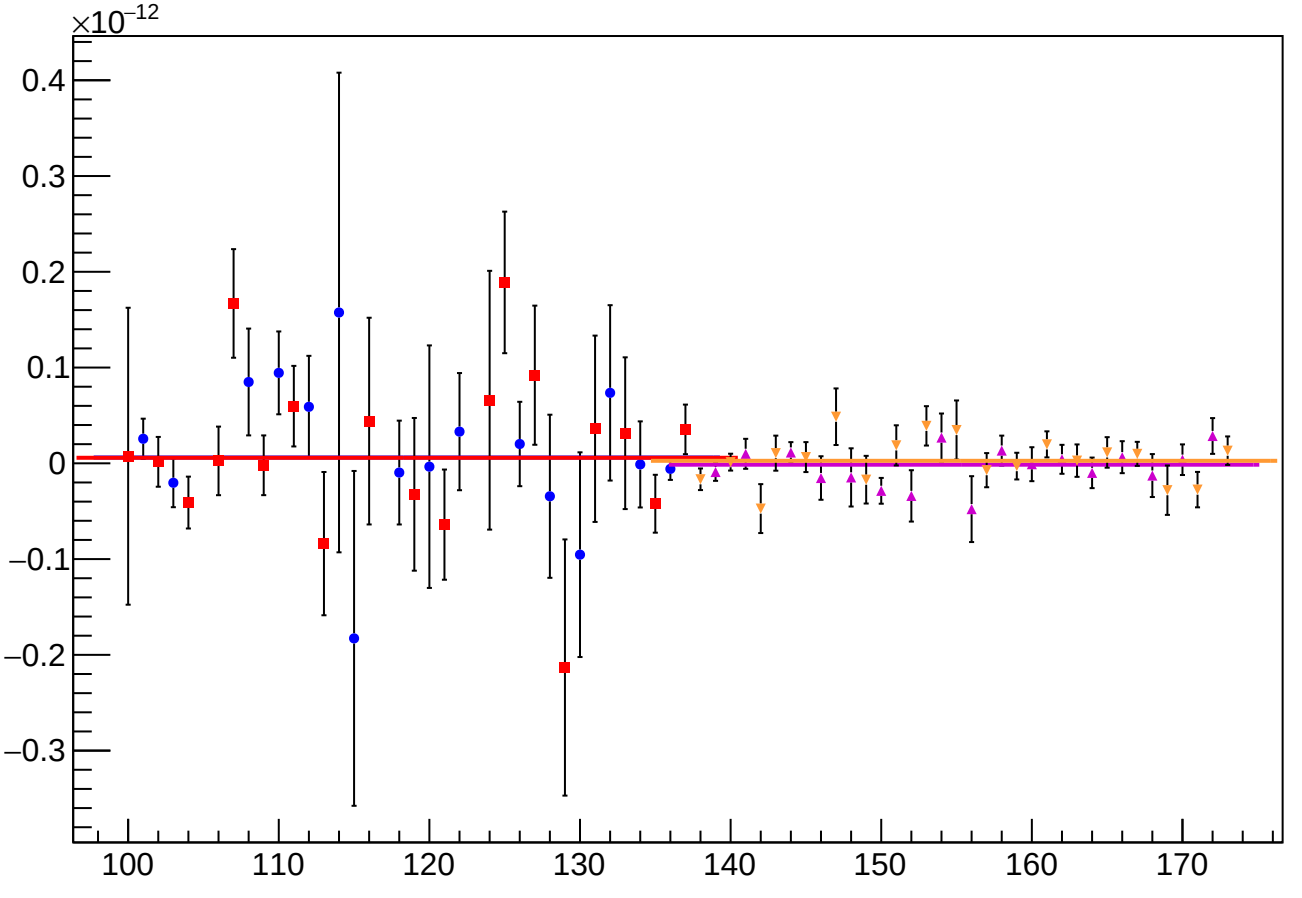
Left: 269.347+/-0.036 χ^2/NDF: 1253554.6/35

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 243.761+/-0.040 χ^2/NDF:4889655.0/32

Out: 221.383+/-0.036 χ^2/NDF:6618115.2/37

All: 231.405+/-0.027 χ^2/NDF: 11681661.7/70



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

Left Out: 0.000+/-0.000 χ^2/NDF:22.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:16.3/16

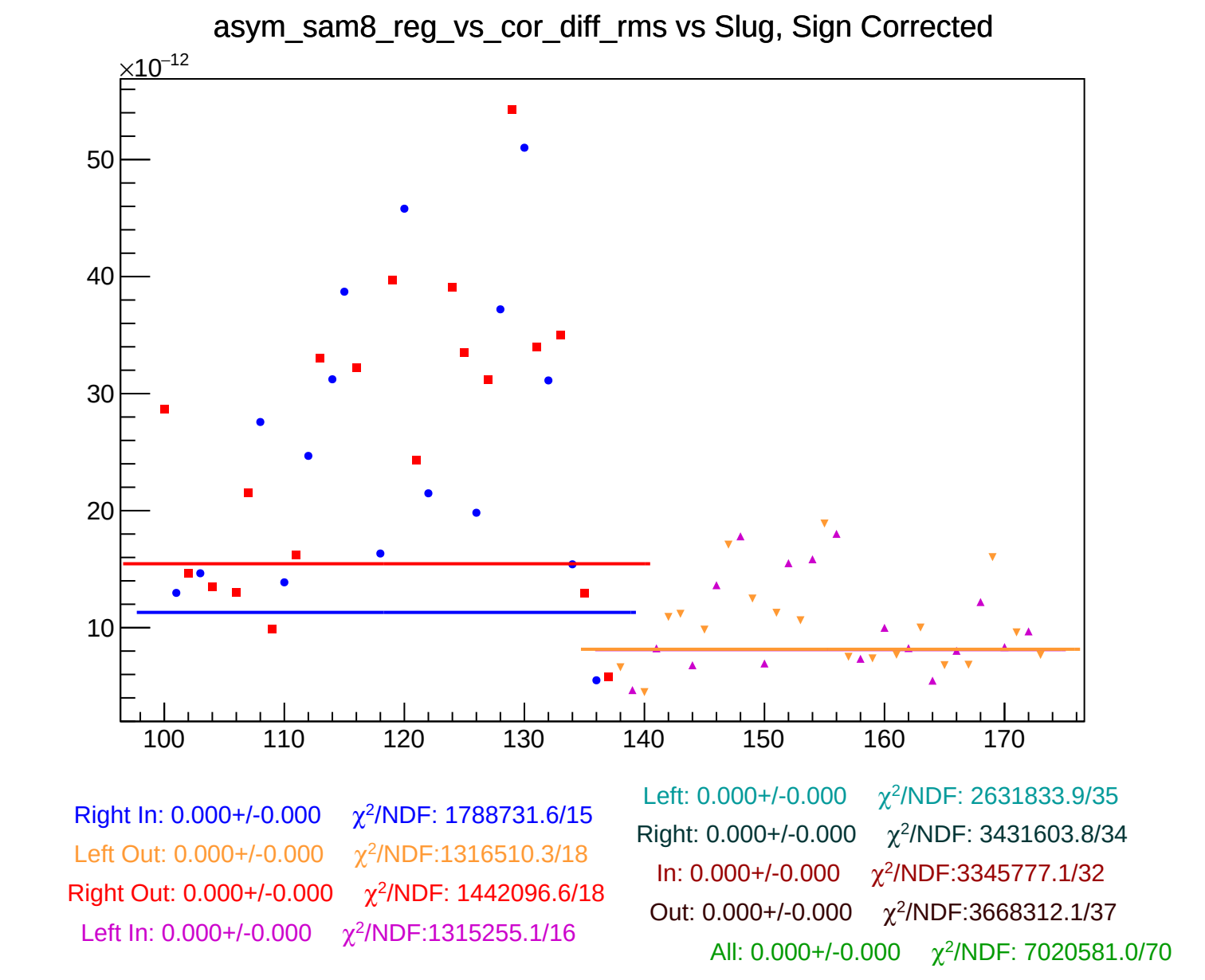
Left: 0.000+/-0.000 χ^2/NDF: 39.0/35

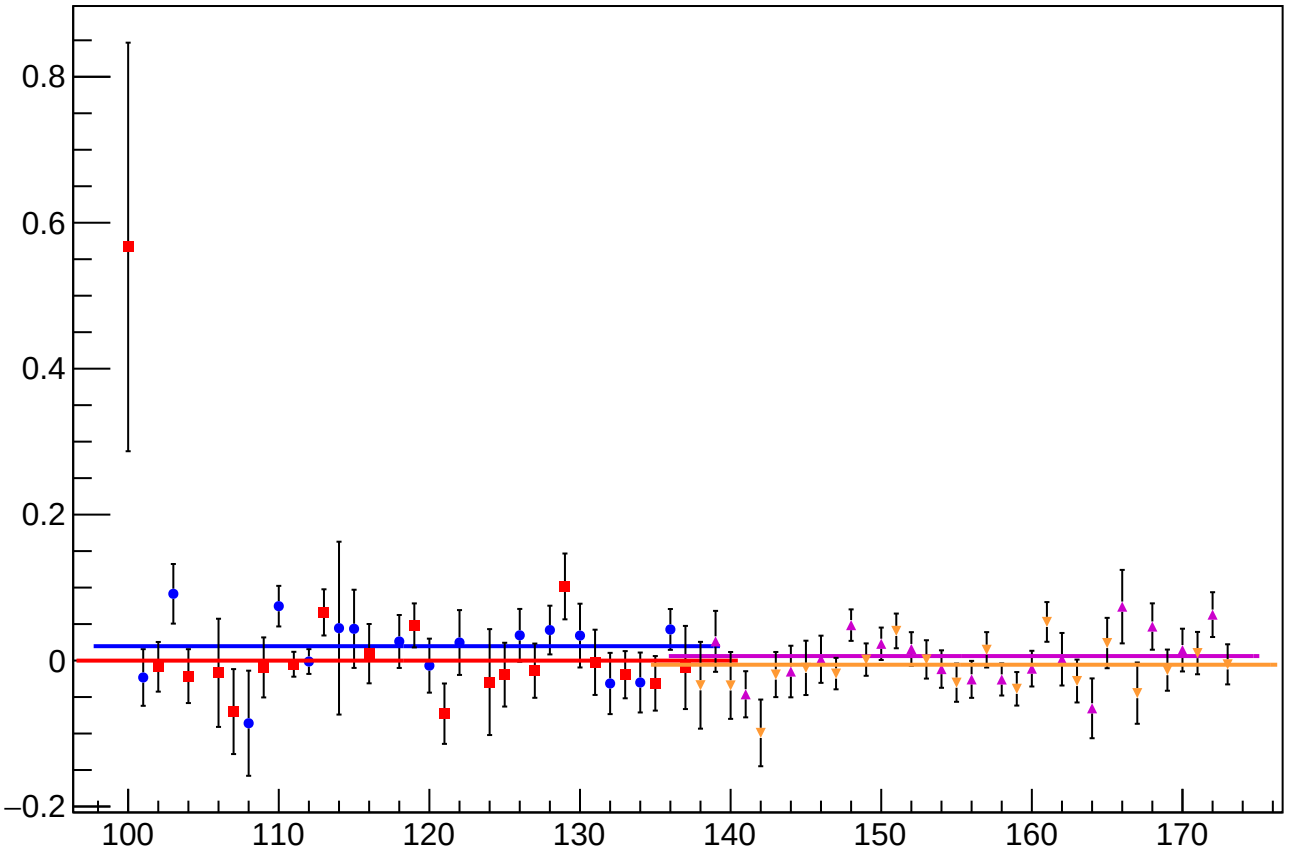
Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:30.8/32

Out: 0.000+/-0.000 χ^2/NDF:52.8/37

All: 0.000+/-0.000 χ^2/NDF: 83.9/70


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
170
Right In: 0.000+/-0.000 χ²/NDF: 1788731.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1316510.3/18
Right Out: 0.000+/-0.000 χ²/NDF: 1442096.6/18
Left In: 0.000+/-0.000 χ²/NDF:1315255.1/16
Left: 0.000+/-0.000 χ²/NDF: 2631833.9/35
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:3345777.1/32
Out: 0.000+/-0.000 χ²/NDF:3668312.1/37
All: 0.000+/-0.000 χ²/NDF: 7020581.0/70



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.1/18

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.006+/-0.007 χ^2/NDF:22.7/16

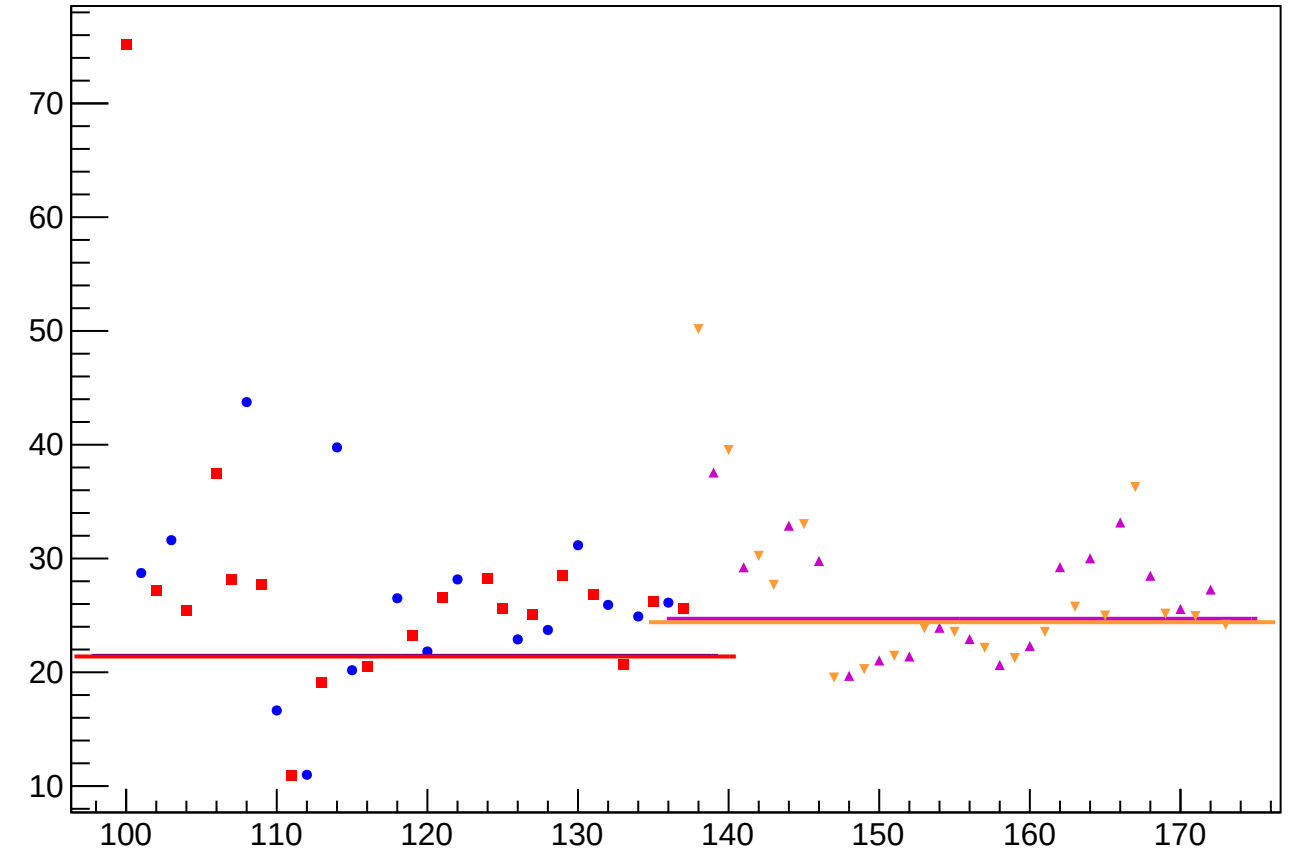
Left: -0.000+/-0.005 χ^2/NDF: 44.4/35

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:41.2/32

Out: -0.004+/-0.005 χ^2/NDF:43.3/37

All: 0.004+/-0.004 χ^2/NDF: 88.4/70



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.400+/-0.005 χ^2/NDF:1184437.1/18

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.703+/-0.005 χ^2/NDF:855846.0/16

Left: 24.545+/-0.003 χ^2/NDF: 2042310.2/35

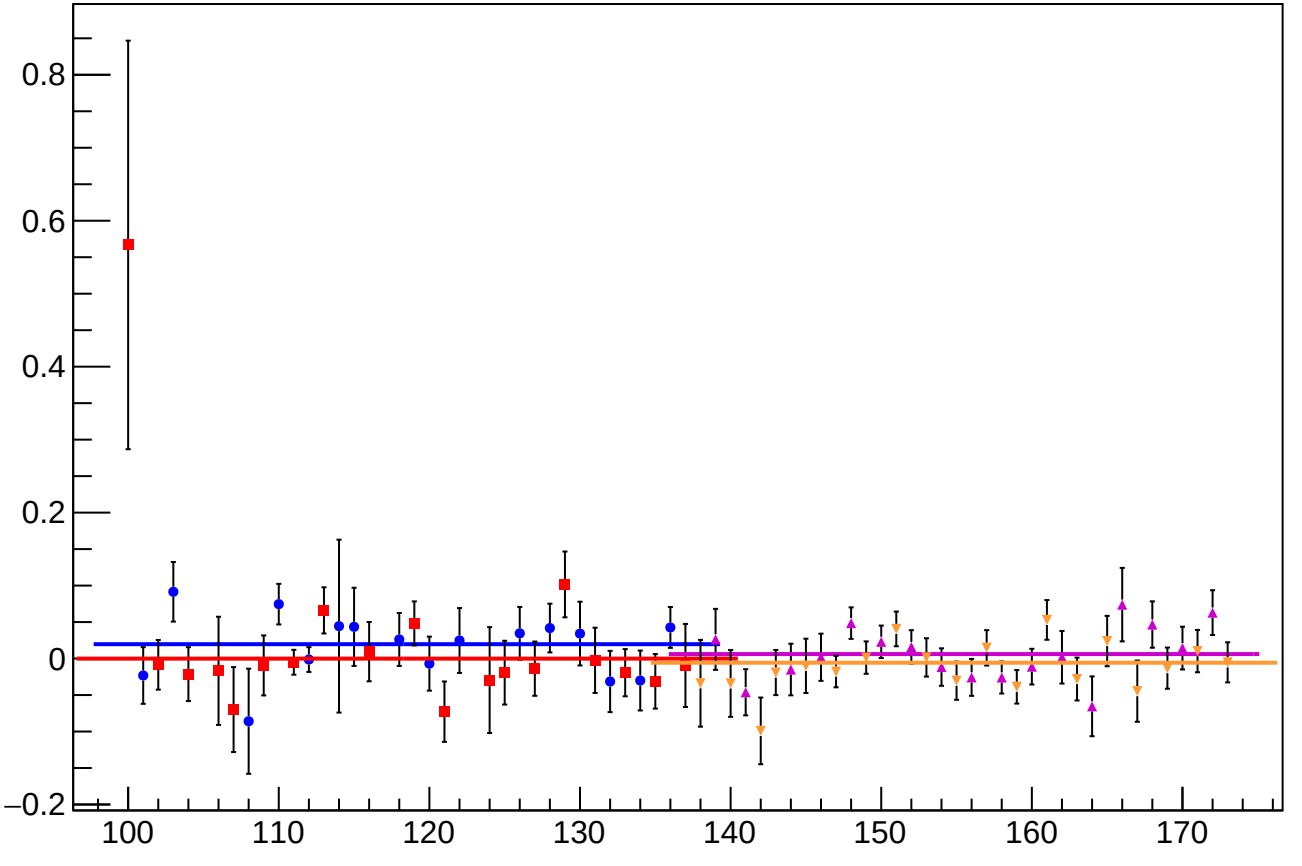
Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.448+/-0.004 χ^2/NDF:2569762.2/32

Out: 23.274+/-0.004 χ^2/NDF:2653222.2/37

All: 23.358+/-0.003 χ^2/NDF: 5224058.5/70

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.1/18

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.006+/-0.007 χ^2/NDF:22.7/16

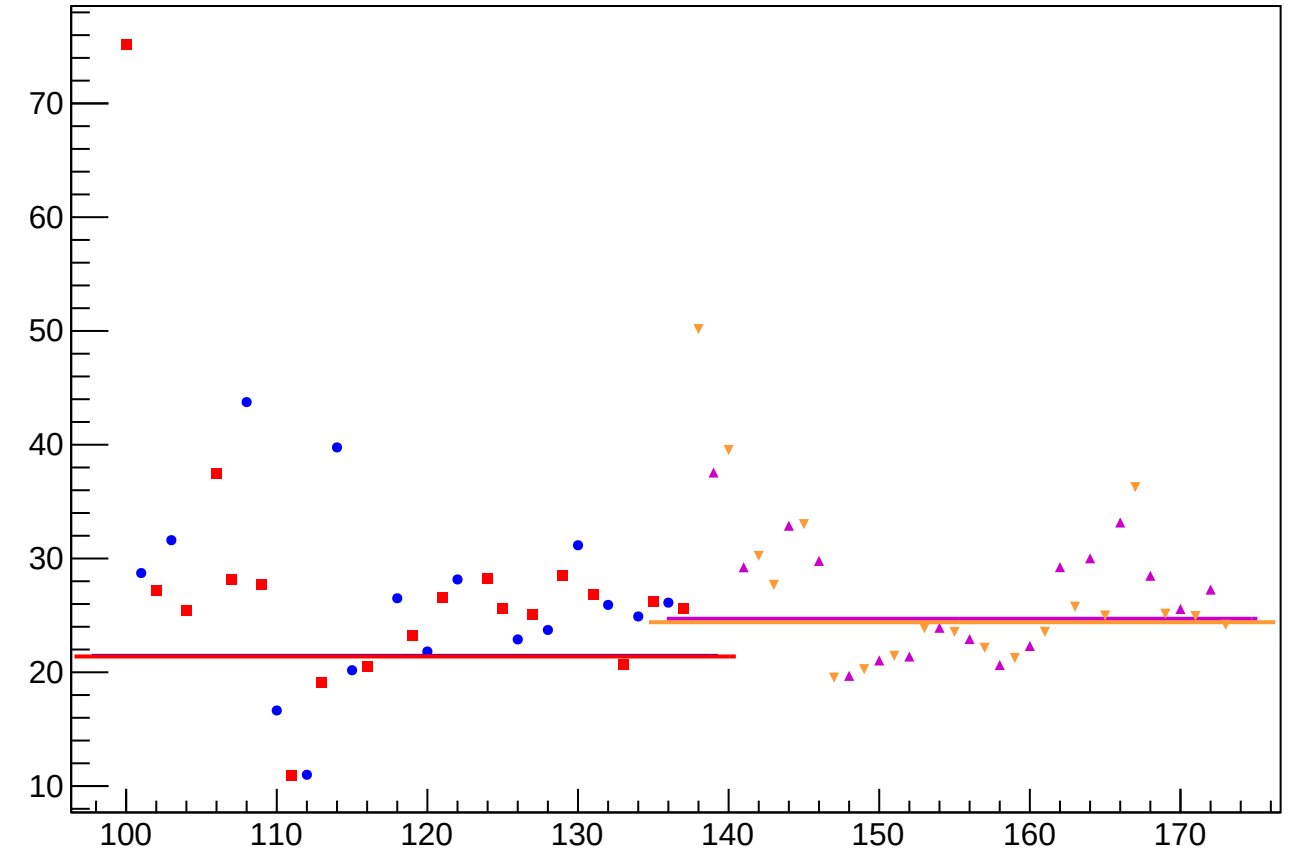
Left: -0.000+/-0.005 χ^2/NDF: 44.4/35

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:41.2/32

Out: -0.004+/-0.005 χ^2/NDF:43.3/37

All: 0.004+/-0.004 χ^2/NDF: 88.4/70



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.400+/-0.005 χ^2/NDF:1184437.1/18

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.703+/-0.005 χ^2/NDF:855846.0/16

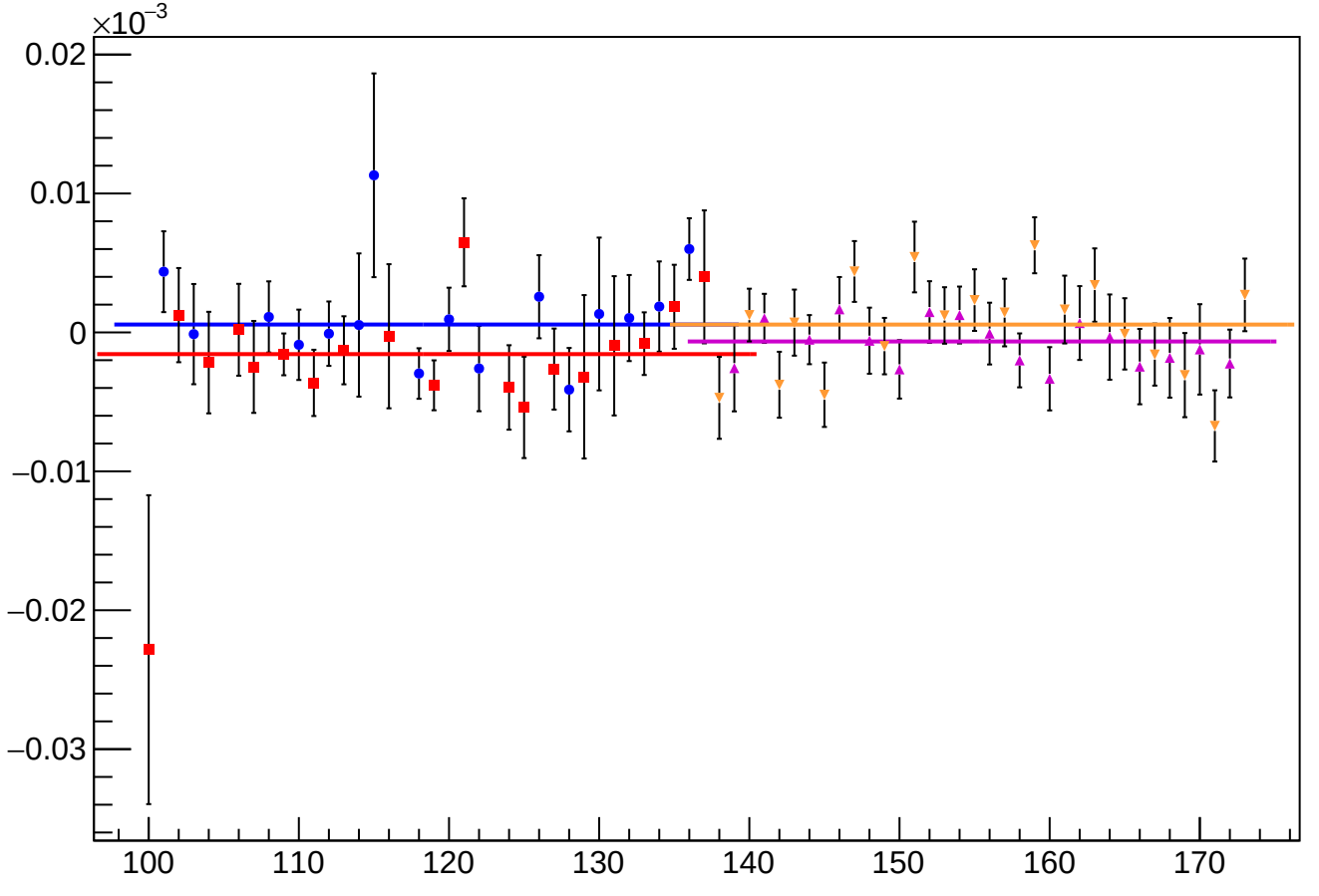
Left: 24.545+/-0.003 χ^2/NDF: 2042310.2/35

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.448+/-0.004 χ^2/NDF:2569762.2/32

Out: 23.274+/-0.004 χ^2/NDF:2653222.2/37

All: 23.358+/-0.003 χ^2/NDF: 5224058.5/70



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

Left Out: 0.000+/-0.000 χ^2/NDF:40.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/16

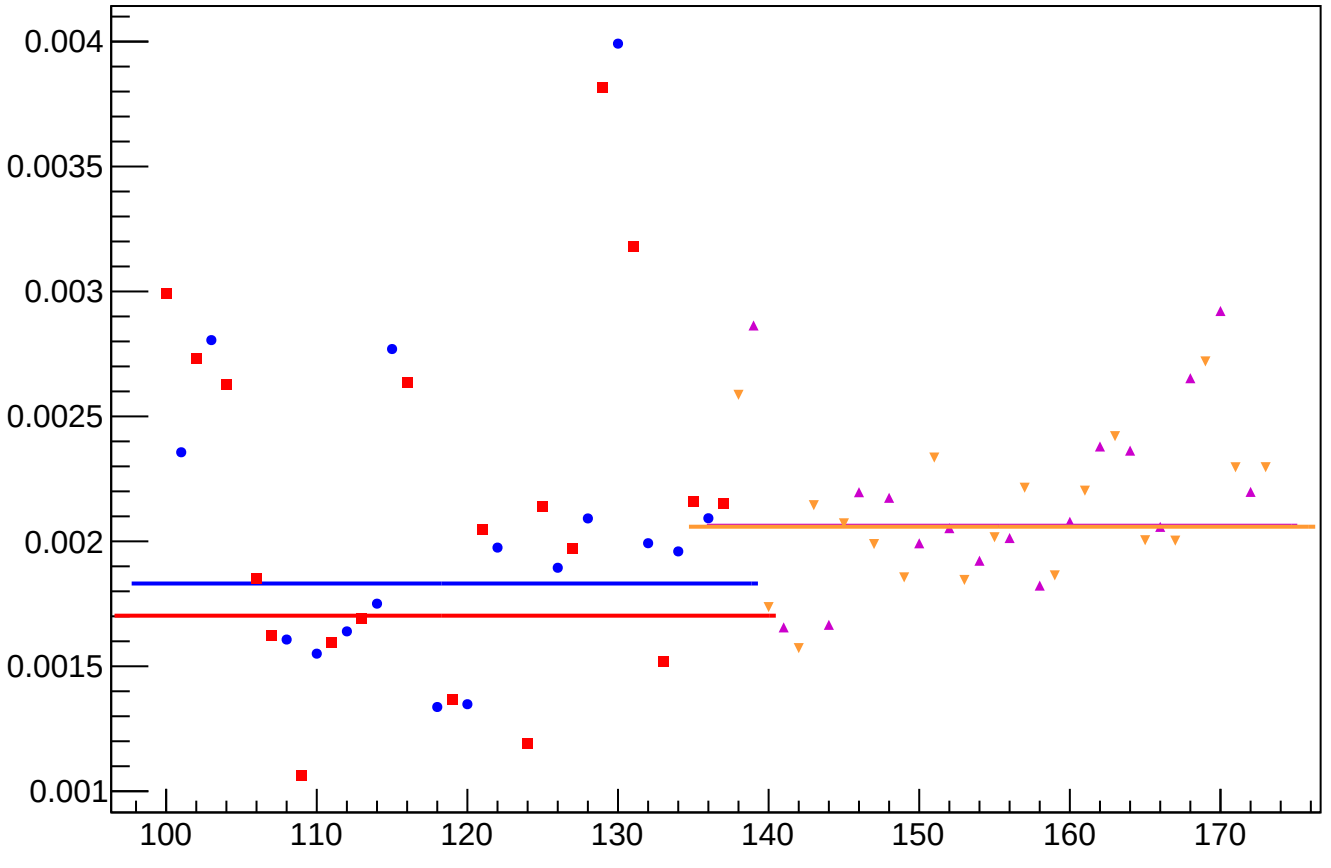
Left: -0.000+/-0.000 χ^2/NDF: 50.8/35

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:28.3/32

Out: -0.000+/-0.000 χ^2/NDF:64.7/37

All: -0.000+/-0.000 χ^2/NDF: 93.0/70



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:479079.5/18

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:671858.1/16

Left: 0.002+/-0.000 χ^2/NDF: 1150989.4/35

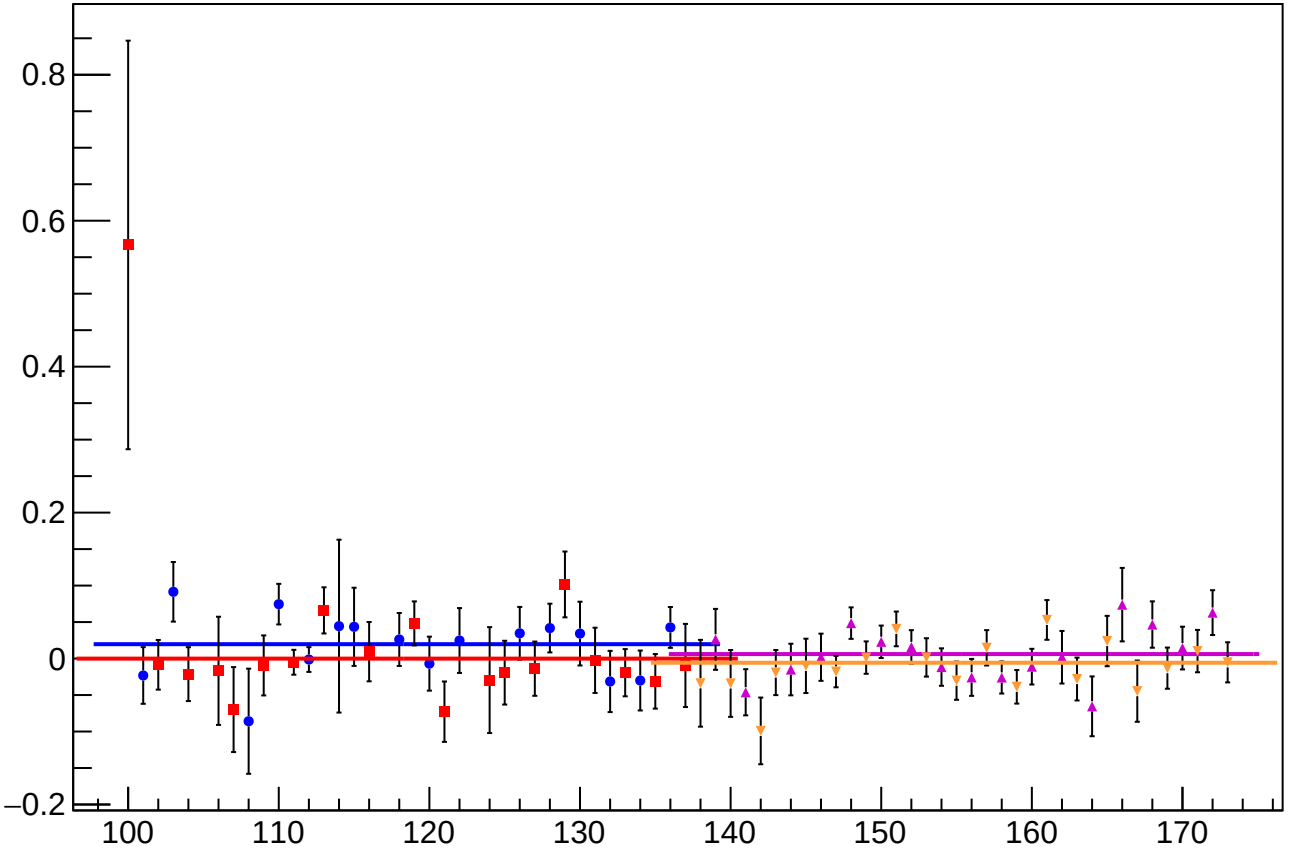
Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1704061.1/32

Out: 0.002+/-0.000 χ^2/NDF:2308009.9/37

All: 0.002+/-0.000 χ^2/NDF: 4029810.4/70

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:20.1/18

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.006+/-0.007 χ^2/NDF:22.7/16

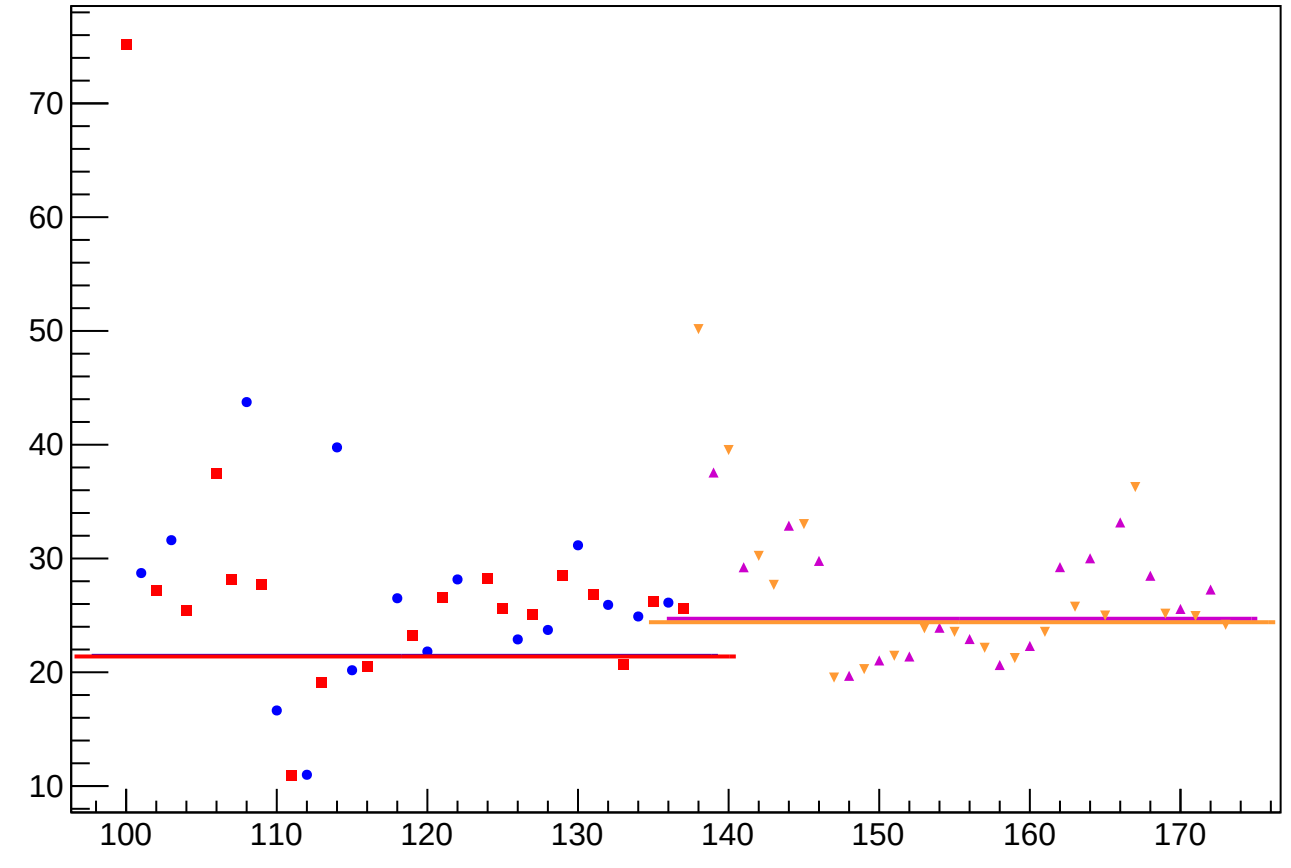
Left: -0.000+/-0.005 χ^2/NDF: 44.4/35

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:41.2/32

Out: -0.004+/-0.005 χ^2/NDF:43.3/37

All: 0.004+/-0.004 χ^2/NDF: 88.4/70



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.400+/-0.005 χ^2/NDF:1184436.1/18

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.703+/-0.005 χ^2/NDF:855850.9/16

Left: 24.545+/-0.003 χ^2/NDF: 2042314.6/35

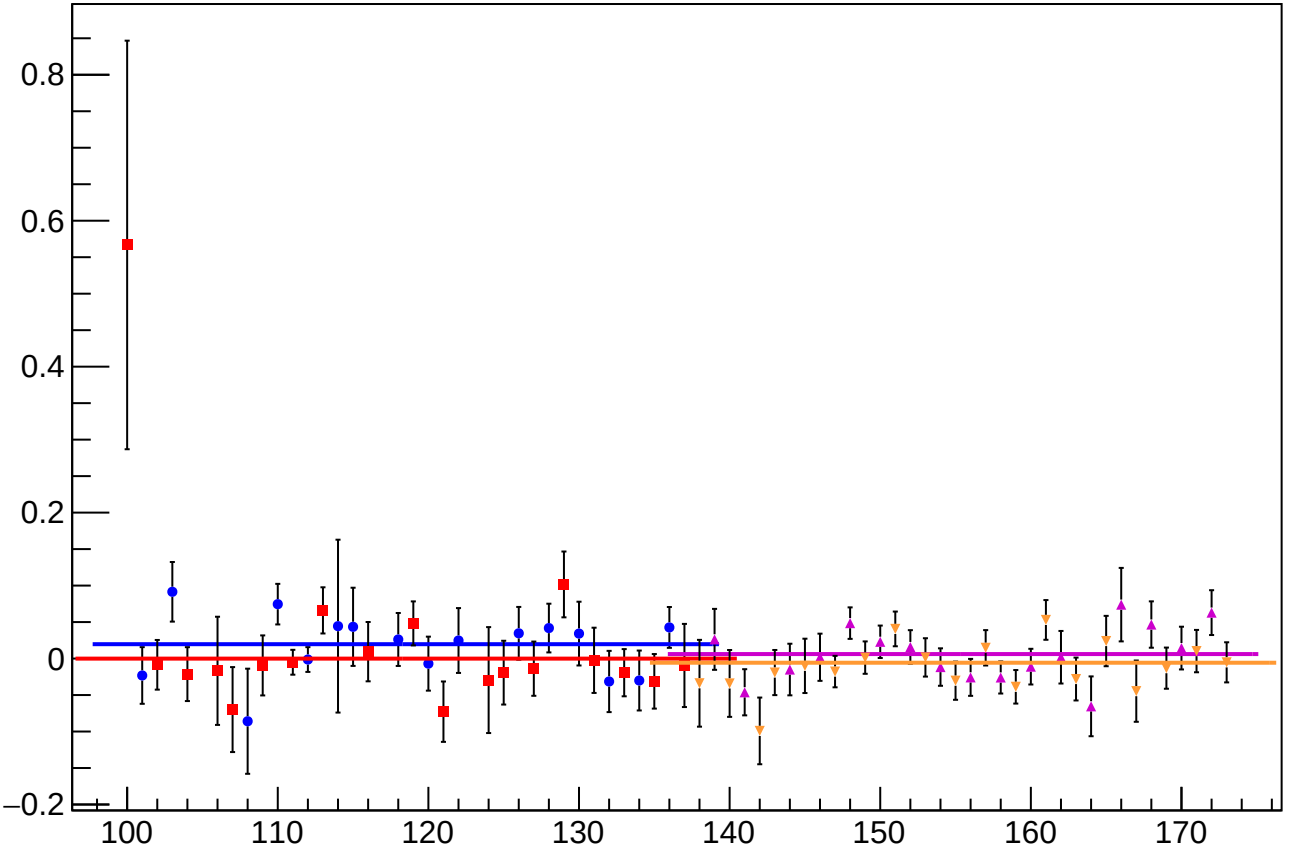
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.448+/-0.004 χ^2/NDF:2570003.6/32

Out: 23.274+/-0.004 χ^2/NDF:2653426.2/37

All: 23.358+/-0.003 χ^2/NDF: 5224503.8/70

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:20.1/18

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.006+/-0.007 χ^2/NDF:22.7/16

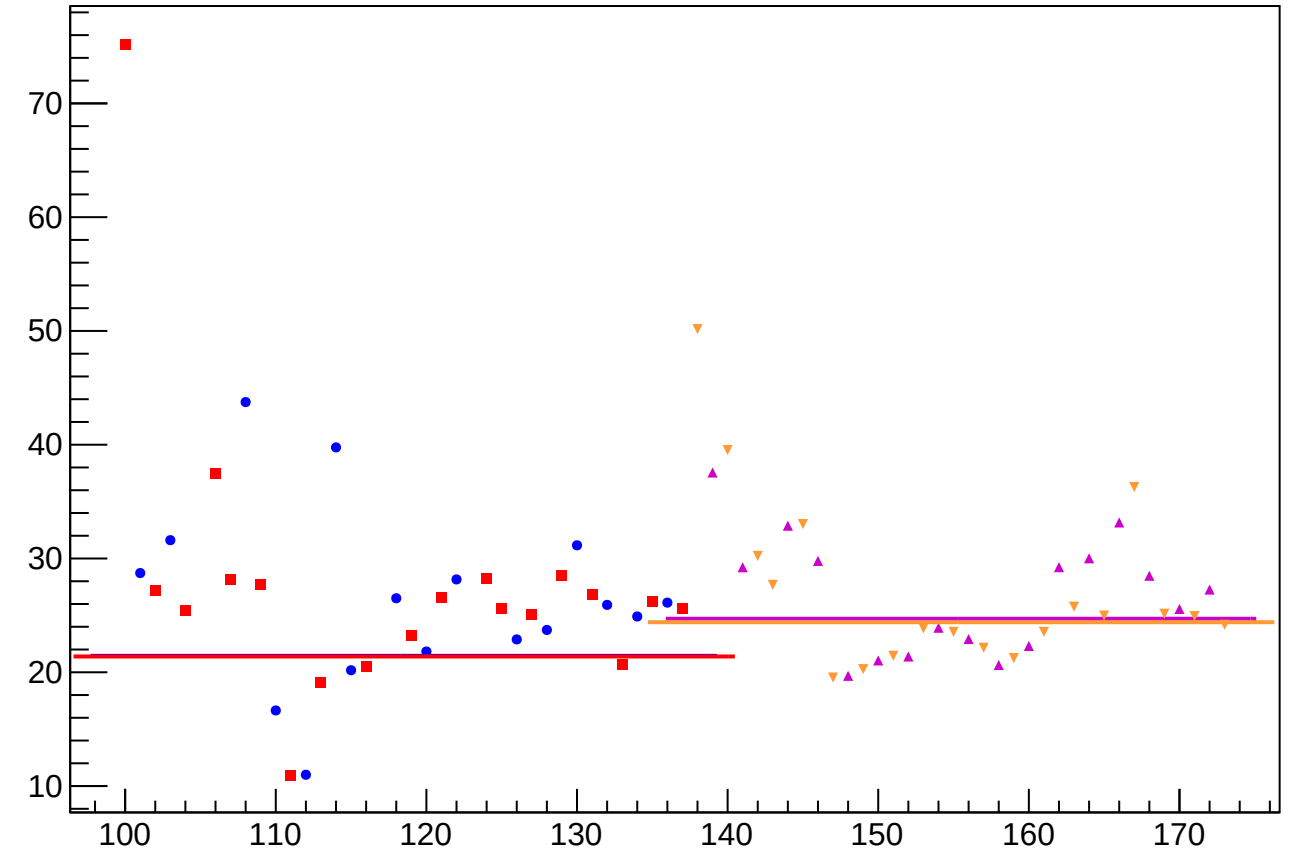
Left: -0.000+/-0.005 χ^2/NDF: 44.4/35

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:41.2/32

Out: -0.004+/-0.005 χ^2/NDF:43.3/37

All: 0.004+/-0.004 χ^2/NDF: 88.4/70



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.400+/-0.005 χ^2/NDF:1184436.1/18

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.703+/-0.005 χ^2/NDF:855850.9/16

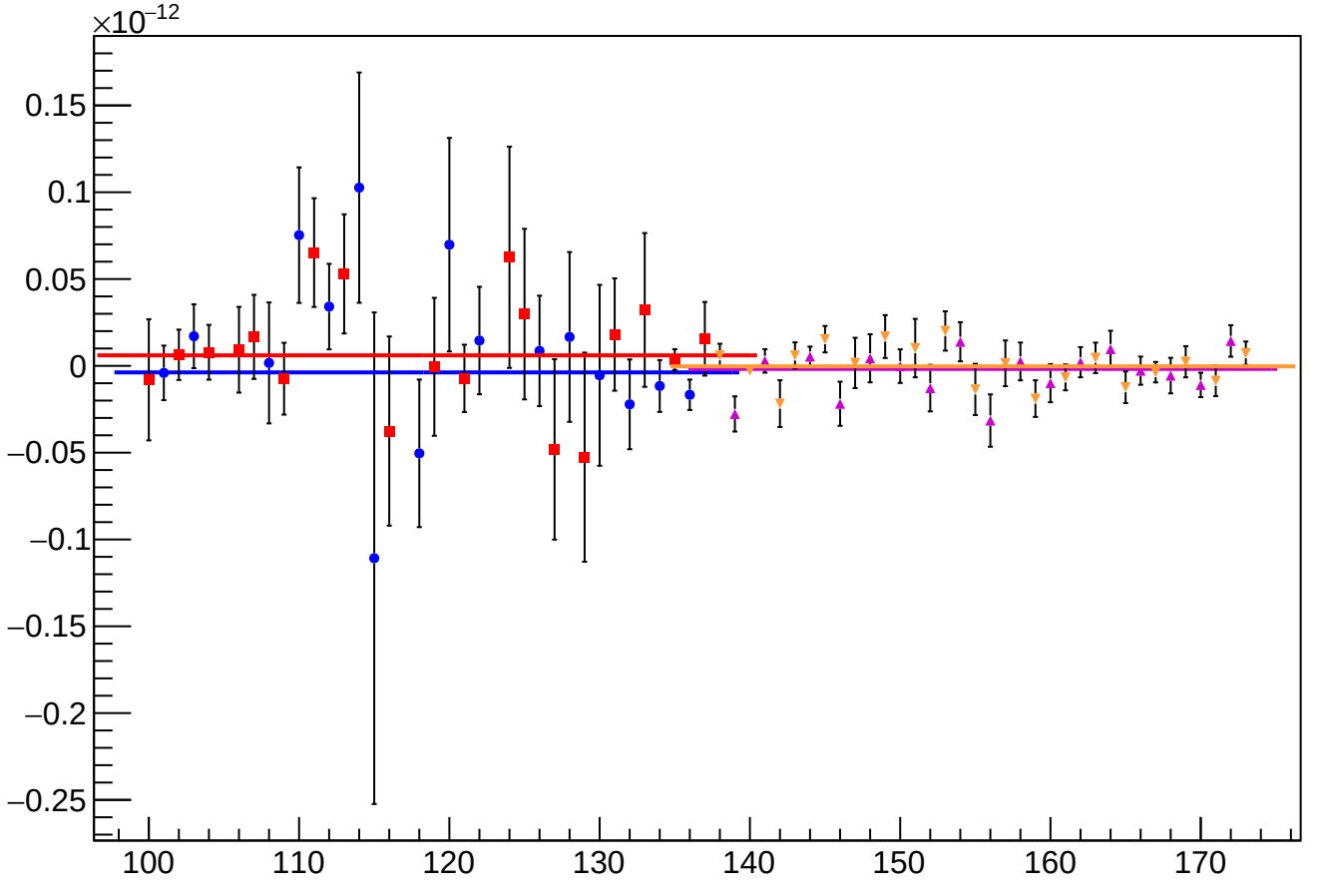
Left: 24.545+/-0.003 χ^2/NDF: 2042314.6/35

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.448+/-0.004 χ^2/NDF:2570003.6/32

Out: 23.274+/-0.004 χ^2/NDF:2653426.2/37

All: 23.358+/-0.003 χ^2/NDF: 5224503.8/70



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:24.9/16

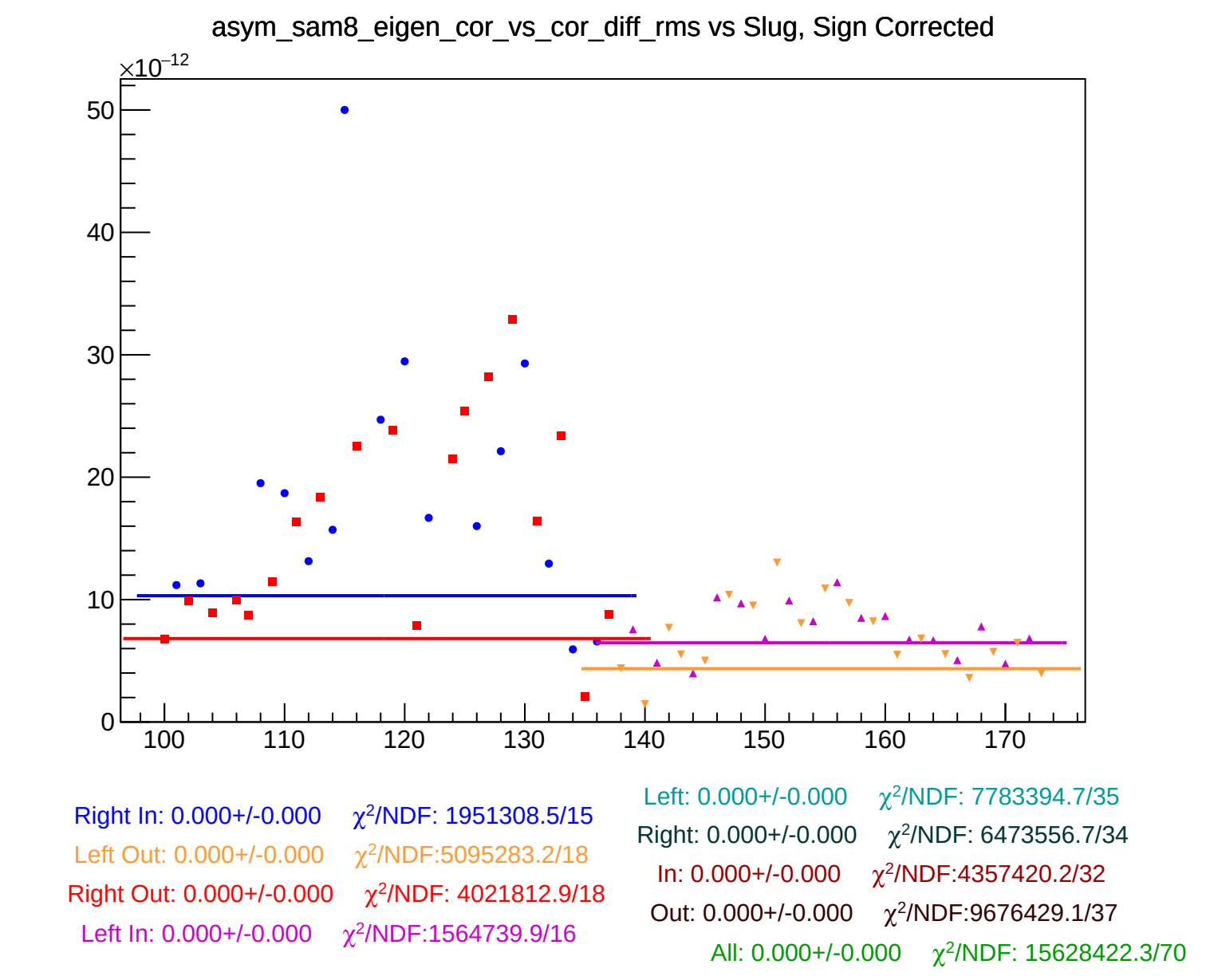
Left: -0.000+/-0.000 χ^2/NDF: 49.1/35

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:42.2/32

Out: 0.000+/-0.000 χ^2/NDF:37.1/37

All: -0.000+/-0.000 χ^2/NDF: 80.3/70


asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
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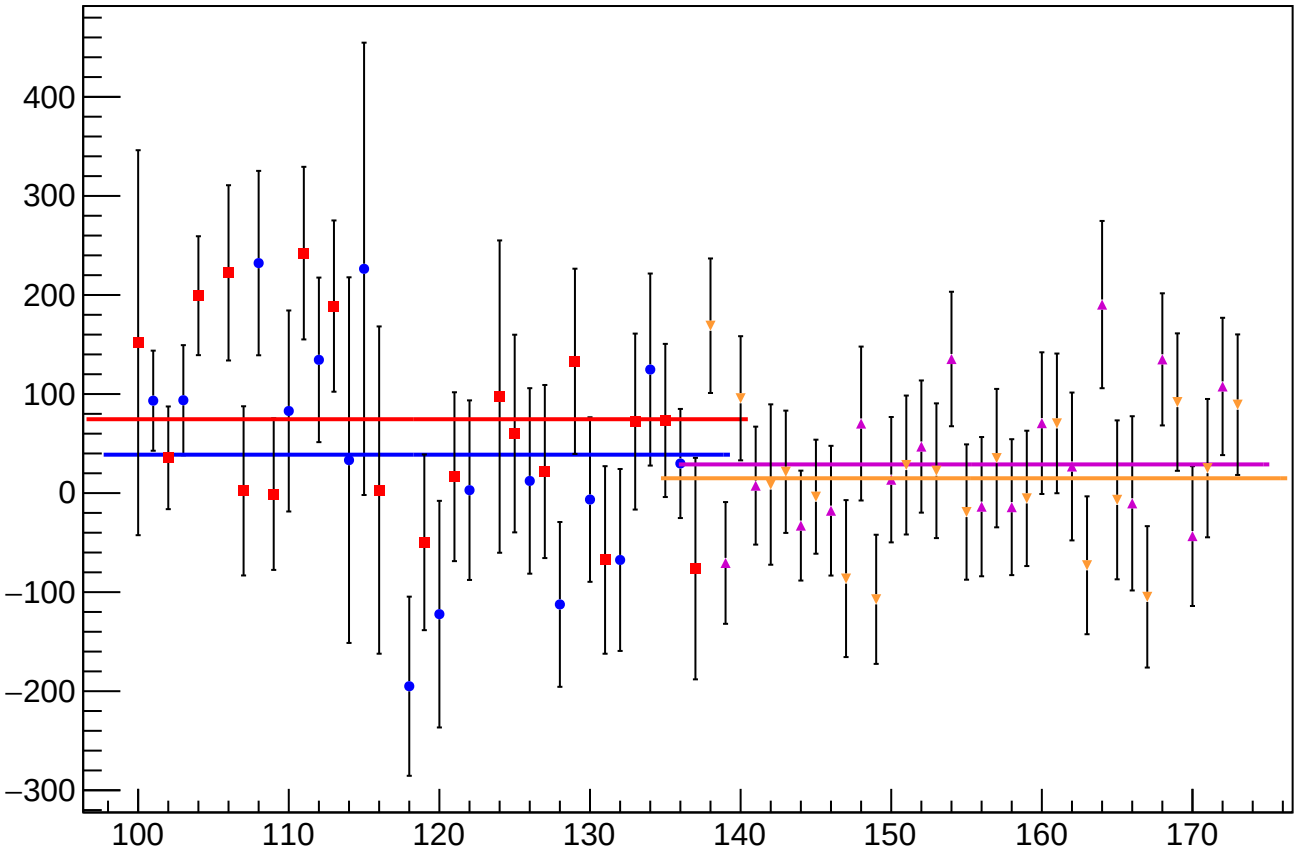
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:5095283.2/18
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:1564739.9/16
Left: 0.000+/-0.000 χ²/NDF: 7783394.7/35
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:4357420.2/32
Out: 0.000+/-0.000 χ²/NDF:9676429.1/37
All: 0.000+/-0.000 χ²/NDF: 15628422.3/70



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 14.981+/-15.799 χ^2/NDF:20.0/18

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: 28.961+/-16.541 χ^2/NDF:17.2/16

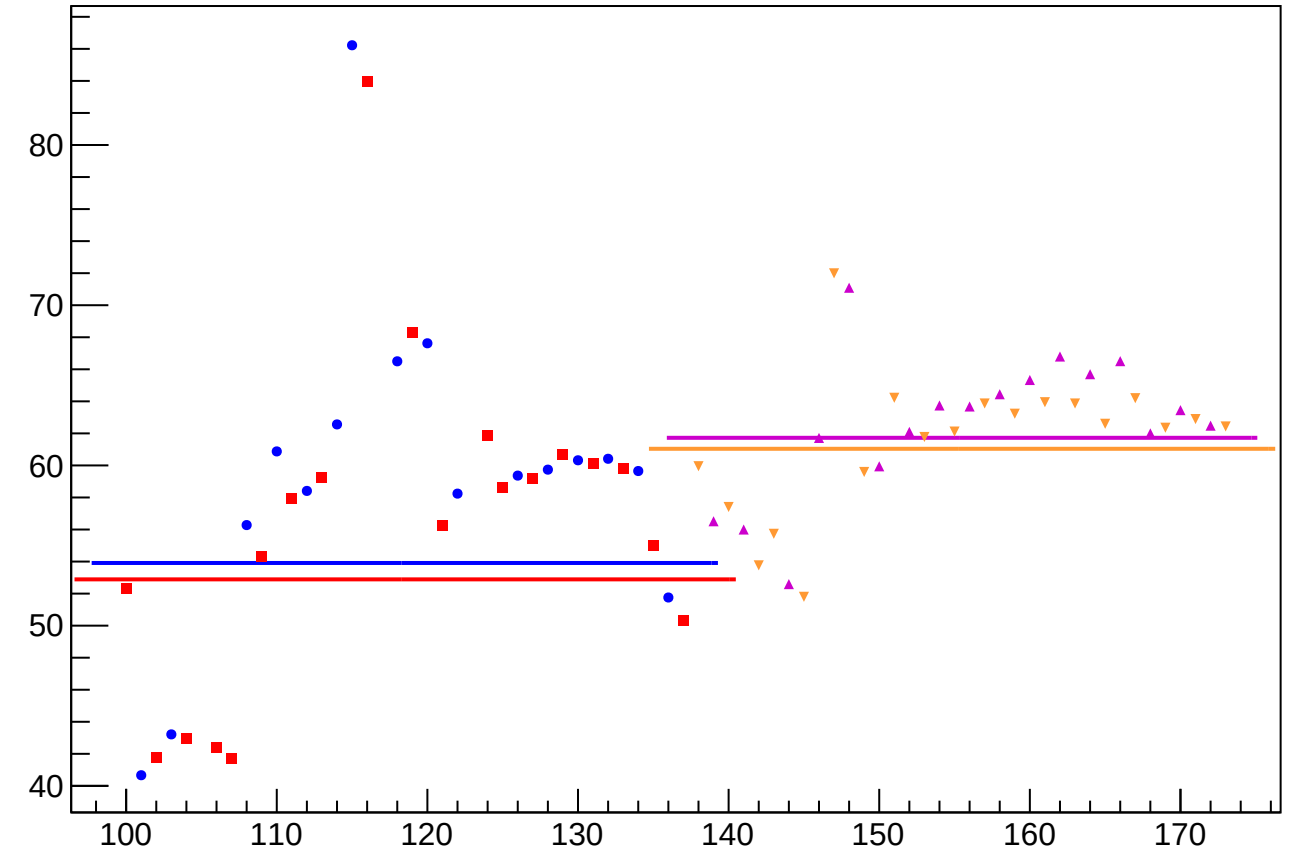
Left: 21.650+/-11.425 χ^2/NDF: 37.6/35

Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 32.854+/-12.851 χ^2/NDF:40.6/32

Out: 38.162+/-12.350 χ^2/NDF:48.0/37

All: 35.613+/-8.905 χ^2/NDF: 88.7/70



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 61.039+/-0.011 χ^2/NDF:153327.7/18

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 61.724+/-0.012 χ^2/NDF:150332.7/16

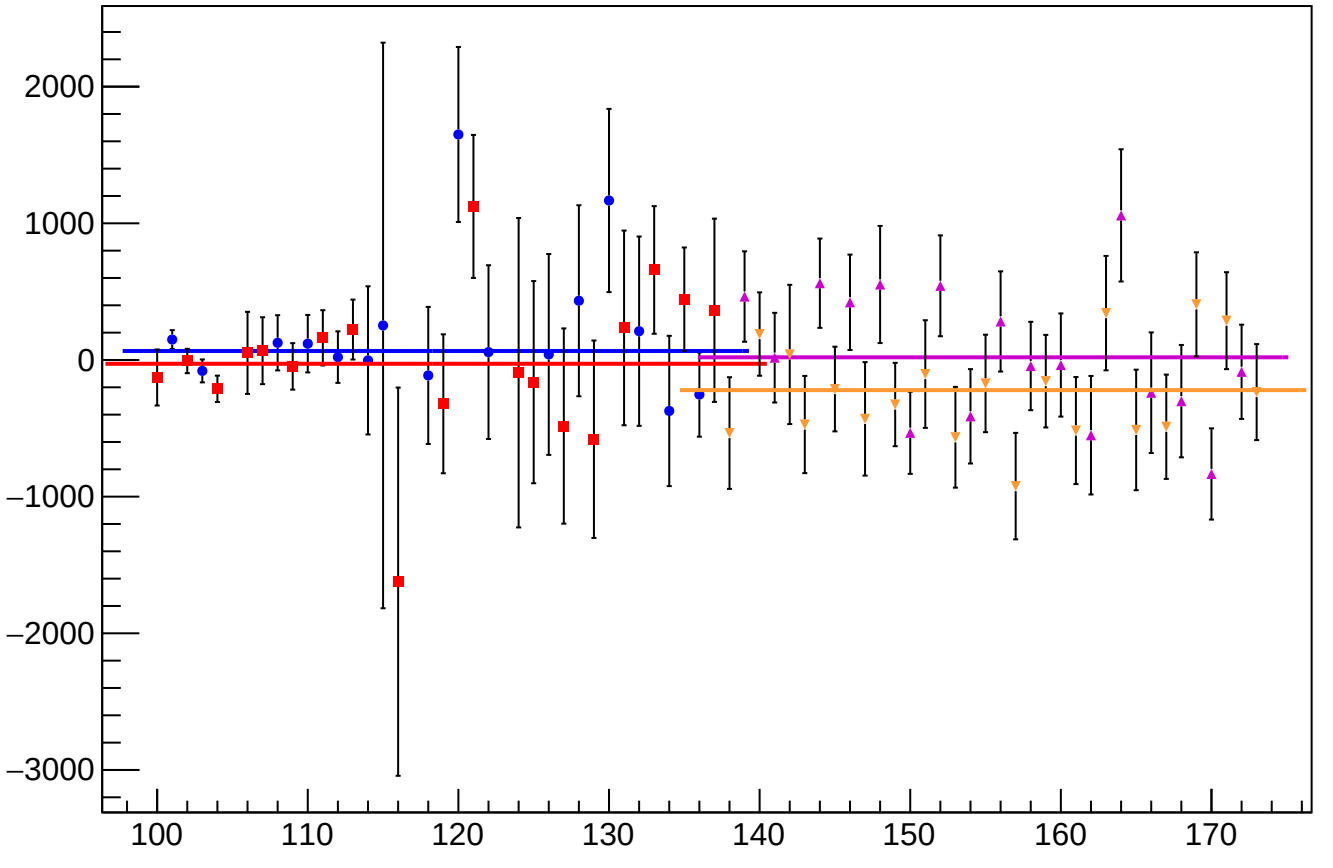
Left: 61.366+/-0.008 χ^2/NDF: 305457.6/35

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 58.628+/-0.009 χ^2/NDF:720419.6/32

Out: 57.869+/-0.009 χ^2/NDF:785568.2/37

All: 58.233+/-0.006 χ^2/NDF: 1509615.9/70



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -220.497+/-84.627 χ^2/NDF:15.9/18

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 19.530+/-87.602 χ^2/NDF:28.9/16

Left: -104.629+/-60.865 χ^2/NDF: 48.7/35

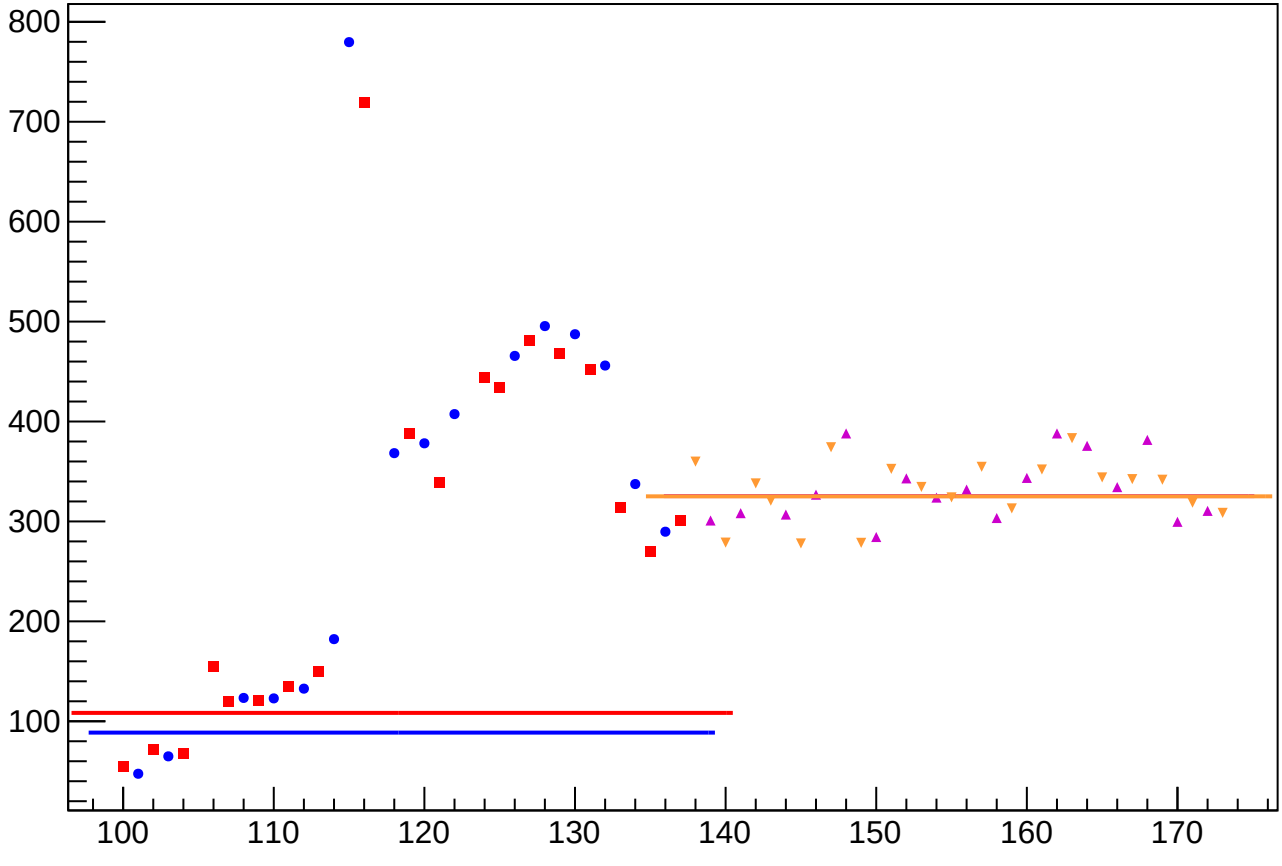
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 55.678+/-41.058 χ^2/NDF:44.8/32

Out: -78.129+/-43.233 χ^2/NDF:37.7/37

All: -7.774+/-29.772 χ^2/NDF: 87.6/70

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: 325.114+/-0.060 χ^2/NDF:272870.1/18

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 325.371+/-0.062 χ^2/NDF:239096.9/16

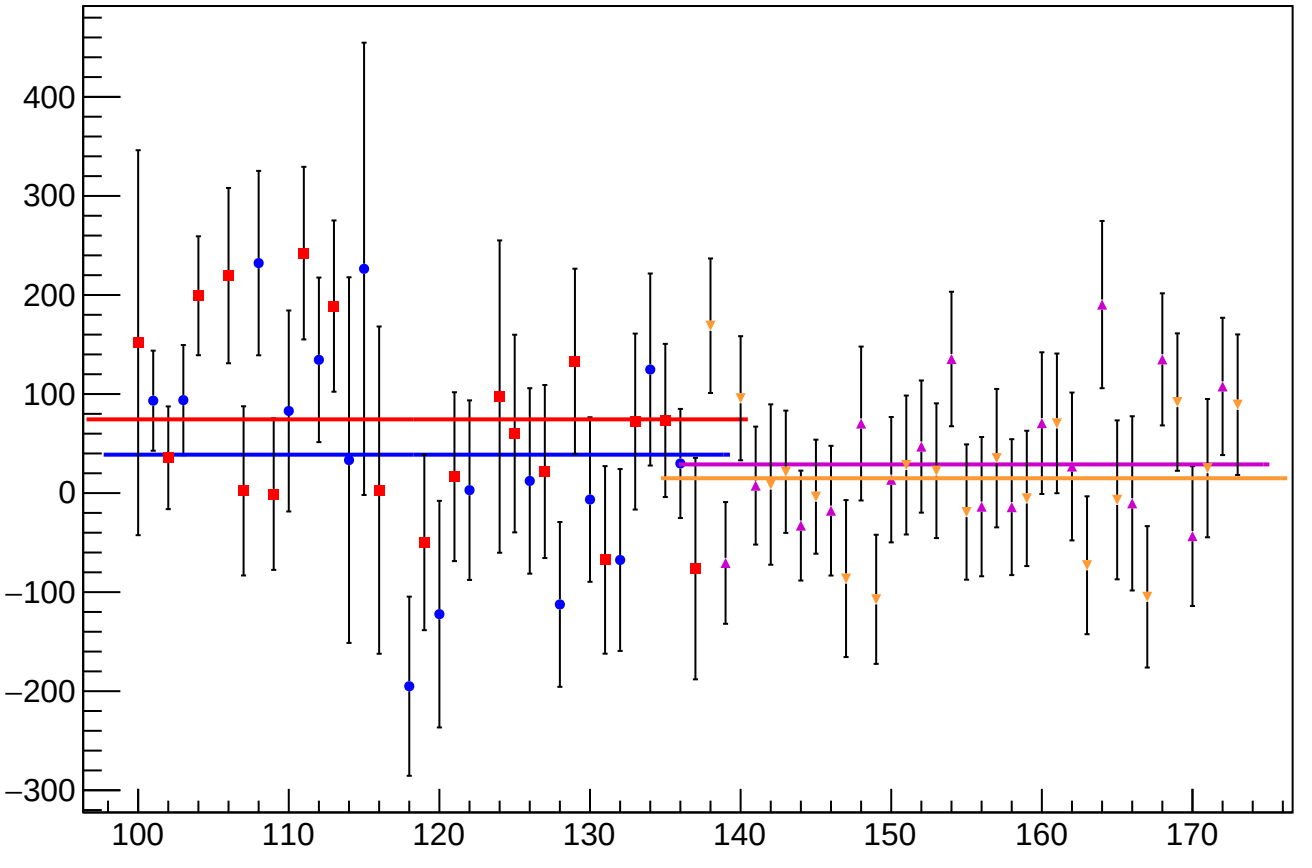
Left: 325.238+/-0.043 χ^2/NDF: 511976.0/35

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 140.655+/-0.029 χ^2/NDF:18282580.2/32

Out: 164.949+/-0.031 χ^2/NDF:15329635.1/37

All: 152.175+/-0.021 χ^2/NDF: 33944267.0/70



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 14.981+/-15.799 χ^2/NDF:20.0/18

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 28.959+/-16.541 χ^2/NDF:17.2/16

Left: 21.649+/-11.425 χ^2/NDF: 37.6/35

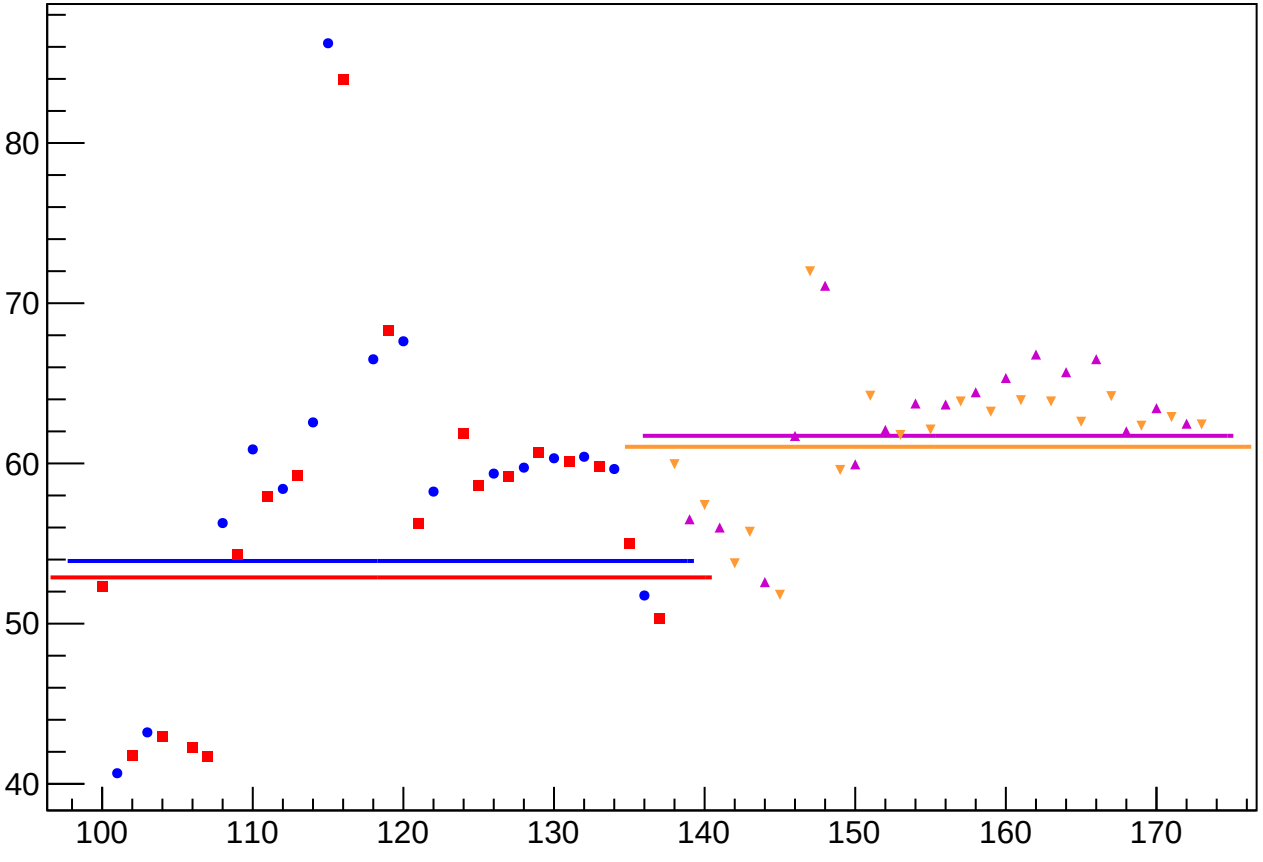
Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 32.857+/-12.852 χ^2/NDF:40.6/32

Out: 38.107+/-12.350 χ^2/NDF:47.8/37

All: 35.587+/-8.905 χ^2/NDF: 88.6/70

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 61.039+/-0.011 χ^2/NDF:153327.7/18

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.724+/-0.012 χ^2/NDF:150332.8/16

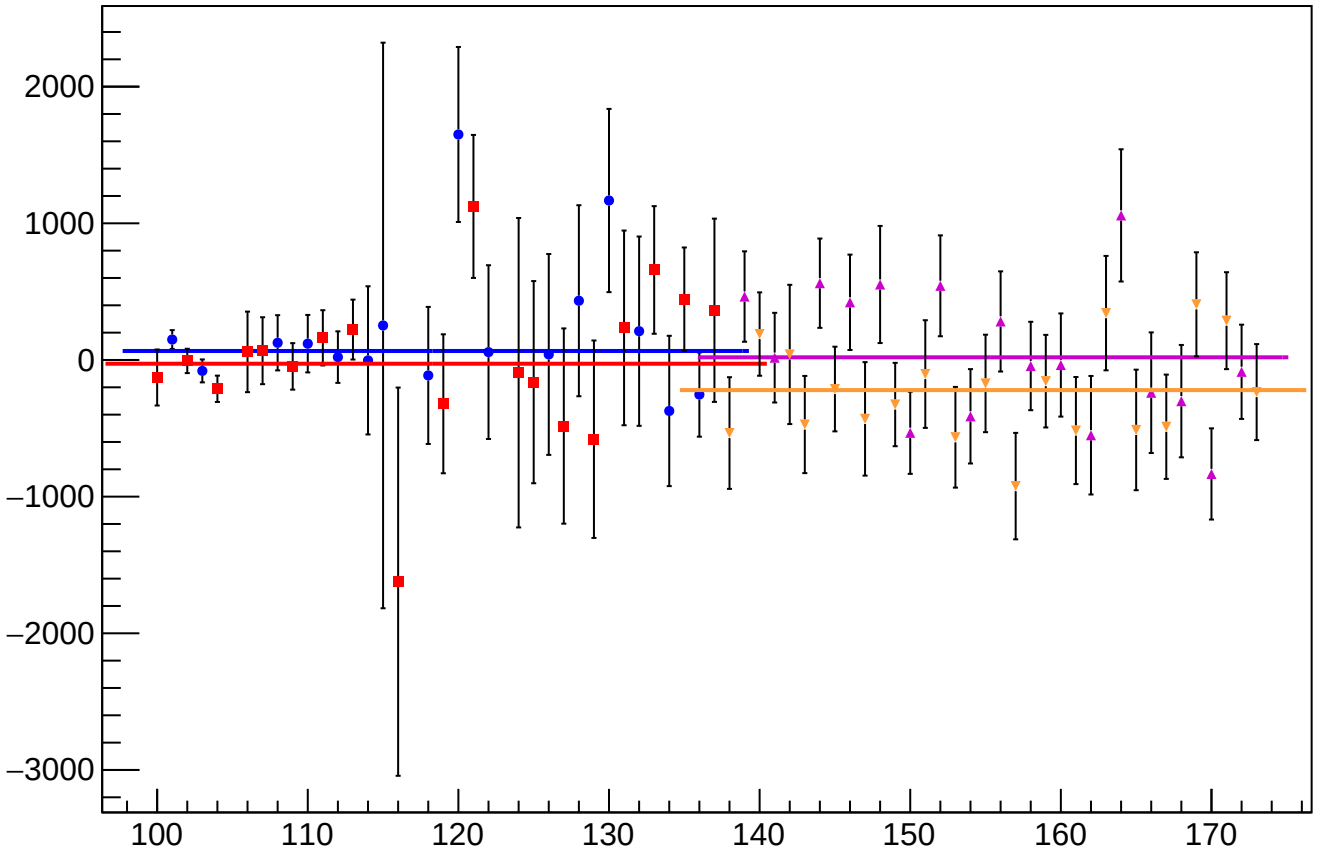
Left: 61.366+/-0.008 χ^2/NDF: 305457.6/35

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 58.628+/-0.009 χ^2/NDF:720418.7/32

Out: 57.868+/-0.009 χ^2/NDF:785971.9/37

All: 58.233+/-0.006 χ^2/NDF: 1510024.3/70



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -220.497+/-84.627 χ^2/NDF:15.9/18

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 19.528+/-87.602 χ^2/NDF:28.9/16

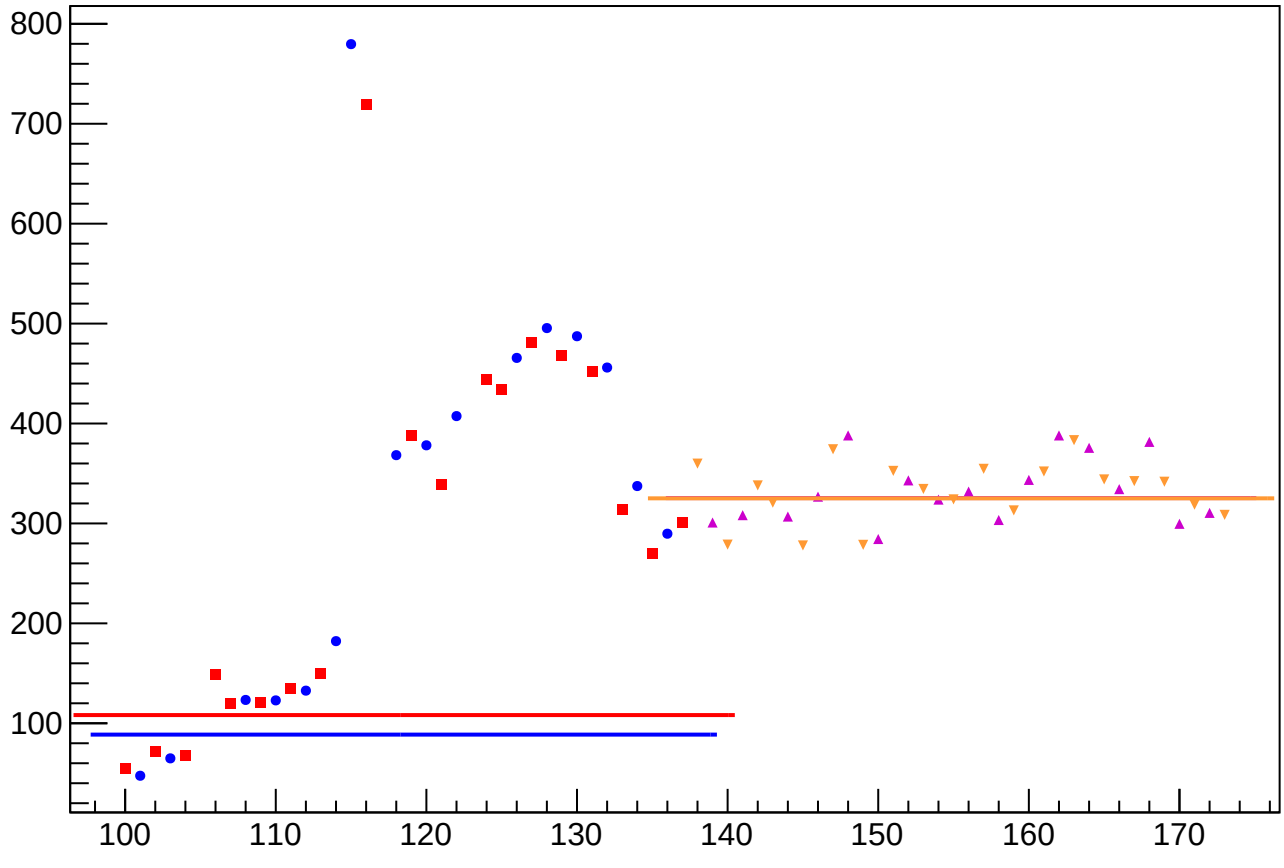
Left: -104.629+/-60.865 χ^2/NDF: 48.7/35

Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 55.681+/-41.057 χ^2/NDF:44.8/32

Out: -77.737+/-43.206 χ^2/NDF:37.8/37

All: -7.627+/-29.762 χ^2/NDF: 87.6/70



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 325.114+/-0.060 χ^2/NDF:272868.7/18

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 325.371+/-0.062 χ^2/NDF:239102.4/16

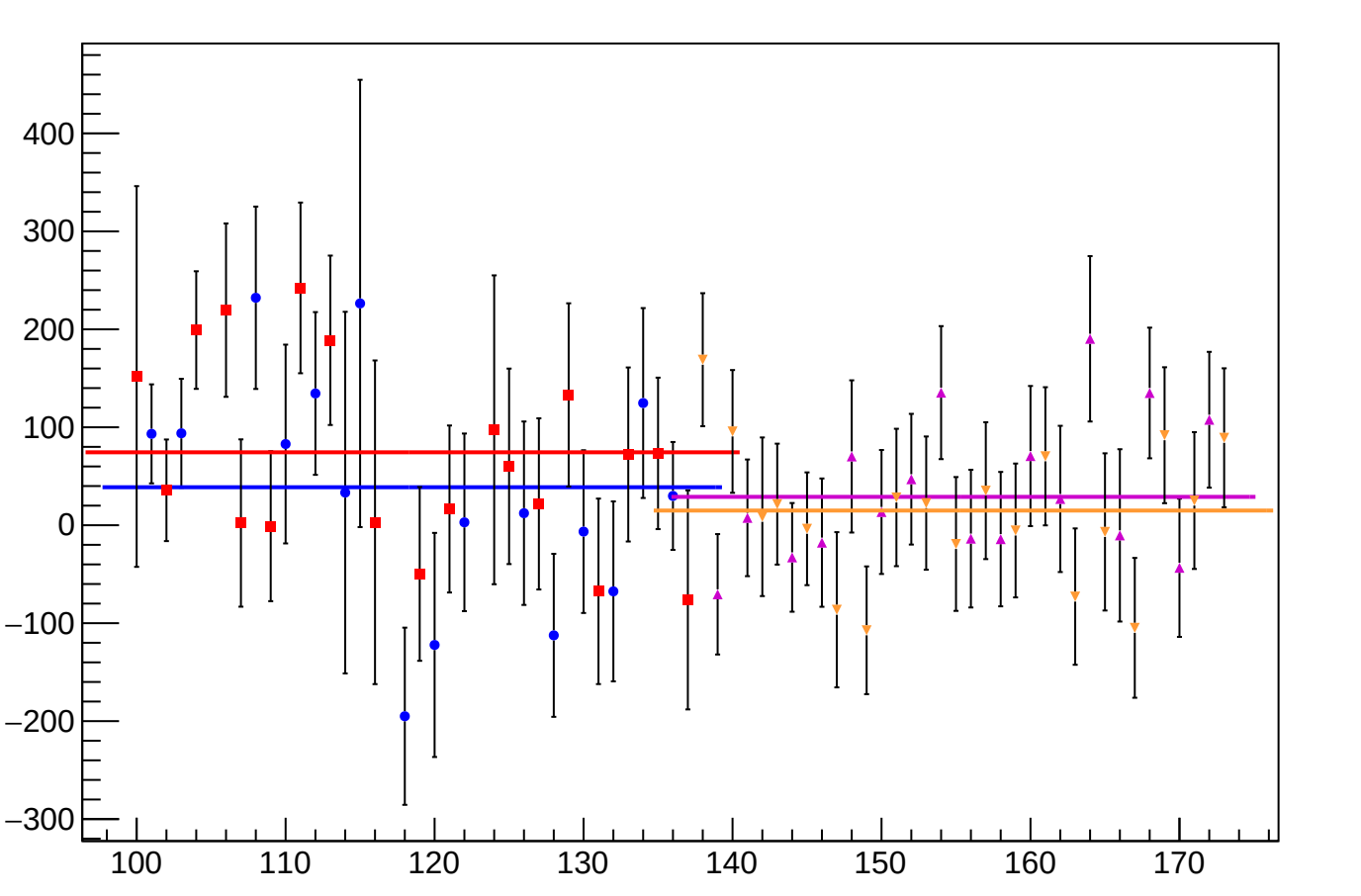
Left: 325.238+/-0.043 χ^2/NDF: 511980.1/35

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 140.651+/-0.029 χ^2/NDF:18283009.9/32

Out: 164.746+/-0.031 χ^2/NDF:15341955.9/37

All: 152.085+/-0.021 χ^2/NDF: 33951811.8/70



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 14.981+/-15.799 χ^2/NDF:20.0/18

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 28.959+/-16.541 χ^2/NDF:17.2/16

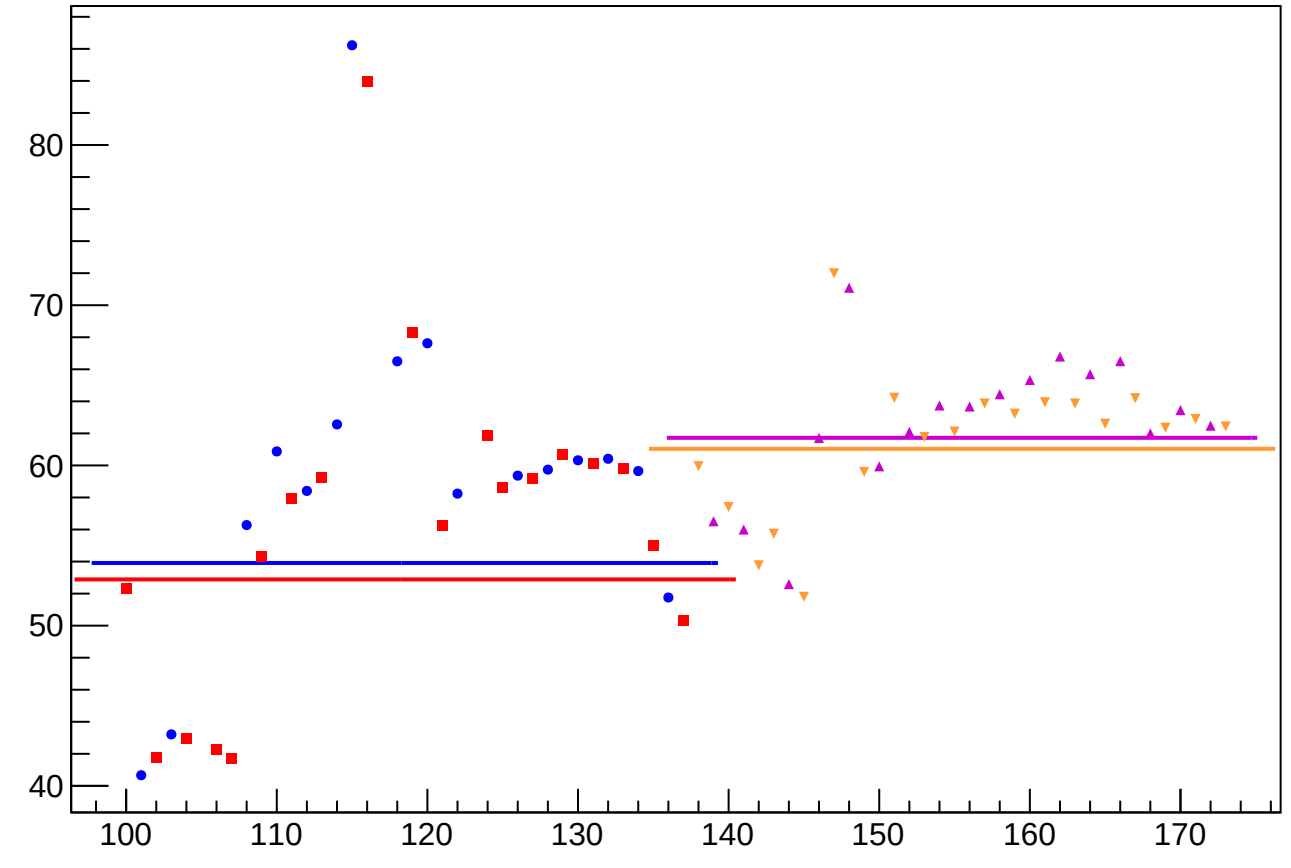
Left: 21.649+/-11.425 χ^2/NDF: 37.6/35

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 32.857+/-12.852 χ^2/NDF:40.6/32

Out: 38.107+/-12.350 χ^2/NDF:47.8/37

All: 35.587+/-8.905 χ^2/NDF: 88.6/70



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 61.039+/-0.011 χ^2/NDF:153327.7/18

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.724+/-0.012 χ^2/NDF:150332.8/16

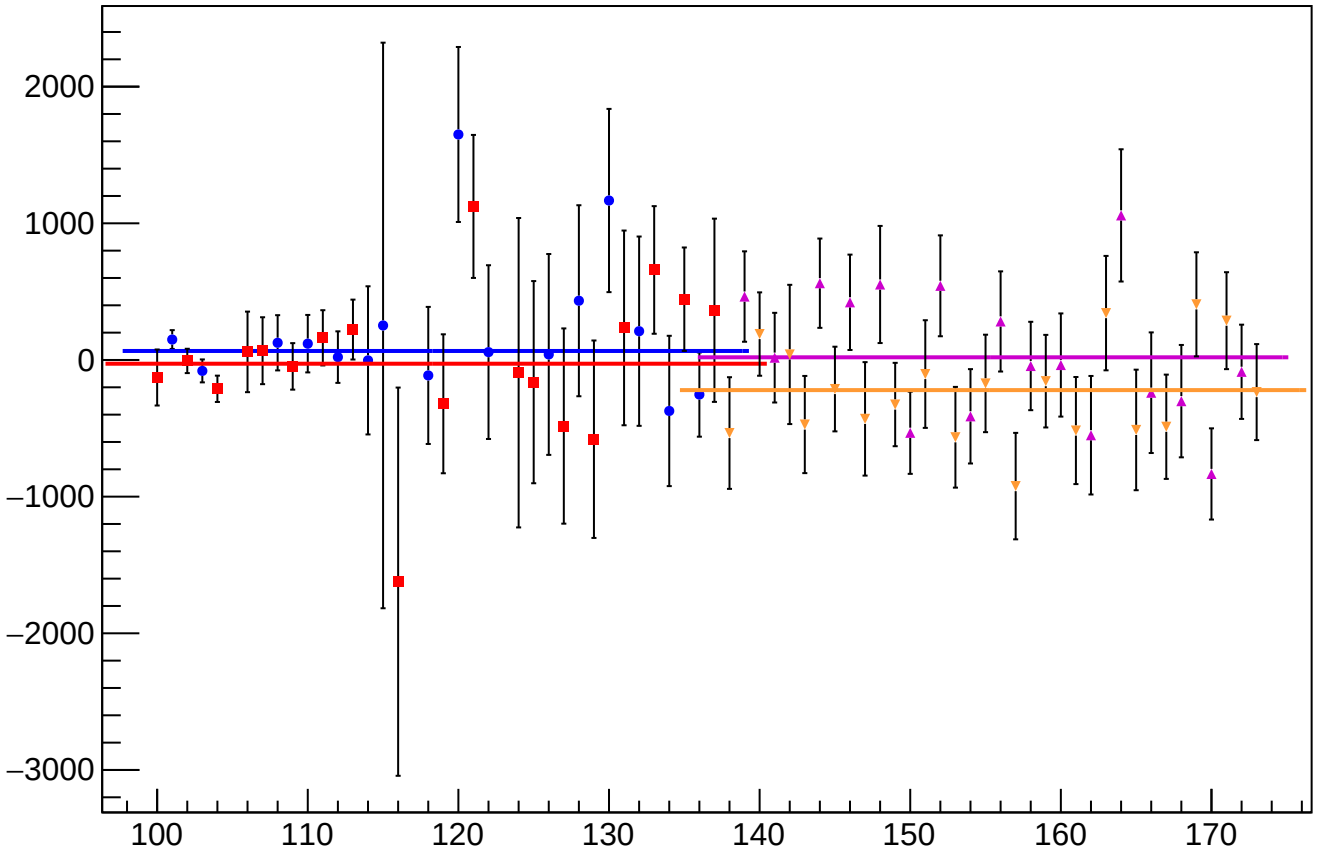
Left: 61.366+/-0.008 χ^2/NDF: 305457.6/35

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 58.628+/-0.009 χ^2/NDF:720418.7/32

Out: 57.868+/-0.009 χ^2/NDF:785971.9/37

All: 58.233+/-0.006 χ^2/NDF: 1510024.3/70



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -220.497+/-84.627 χ^2/NDF:15.9/18

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 19.528+/-87.602 χ^2/NDF:28.9/16

Left: -104.629+/-60.865 χ^2/NDF: 48.7/35

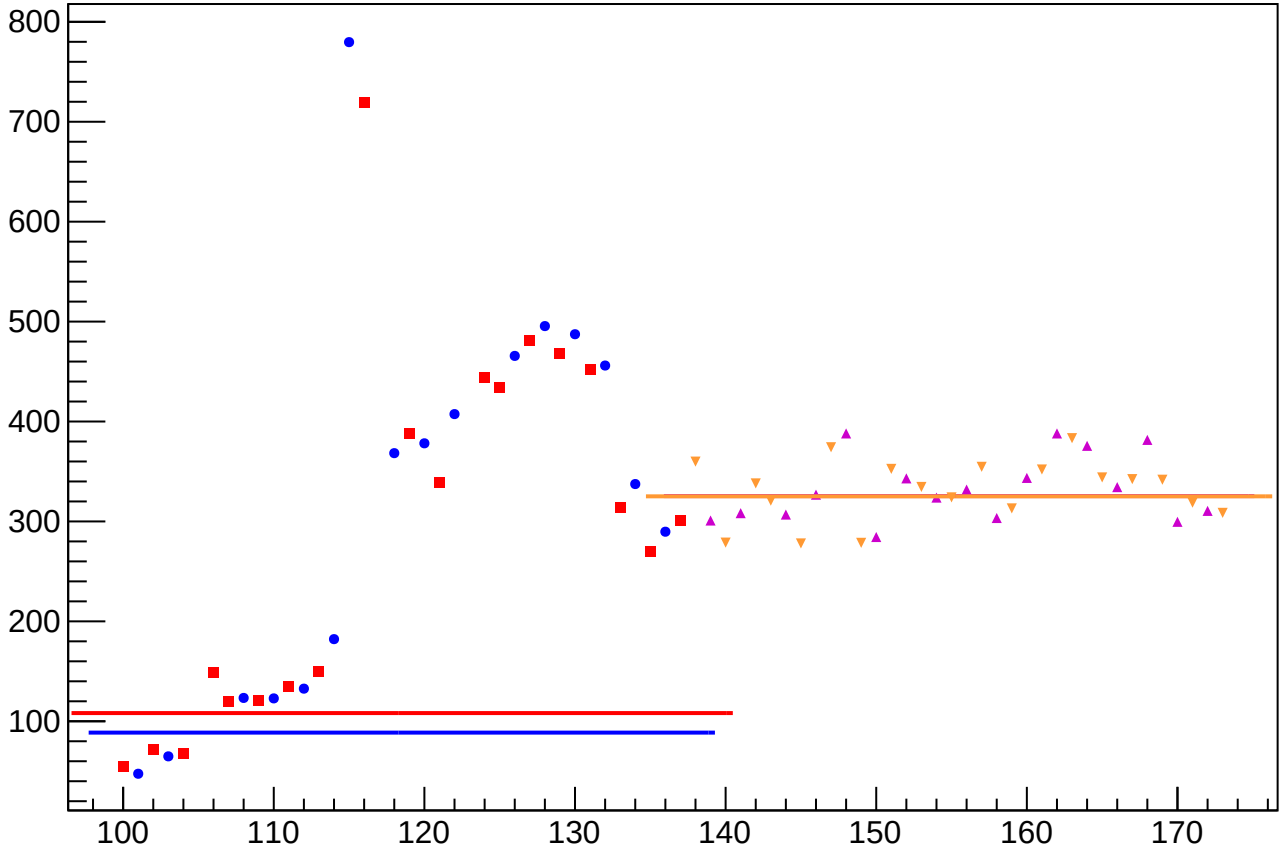
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 55.681+/-41.057 χ^2/NDF:44.8/32

Out: -77.737+/-43.206 χ^2/NDF:37.8/37

All: -7.627+/-29.762 χ^2/NDF: 87.6/70

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: 325.114+/-0.060 χ^2/NDF:272868.7/18

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 325.371+/-0.062 χ^2/NDF:239102.4/16

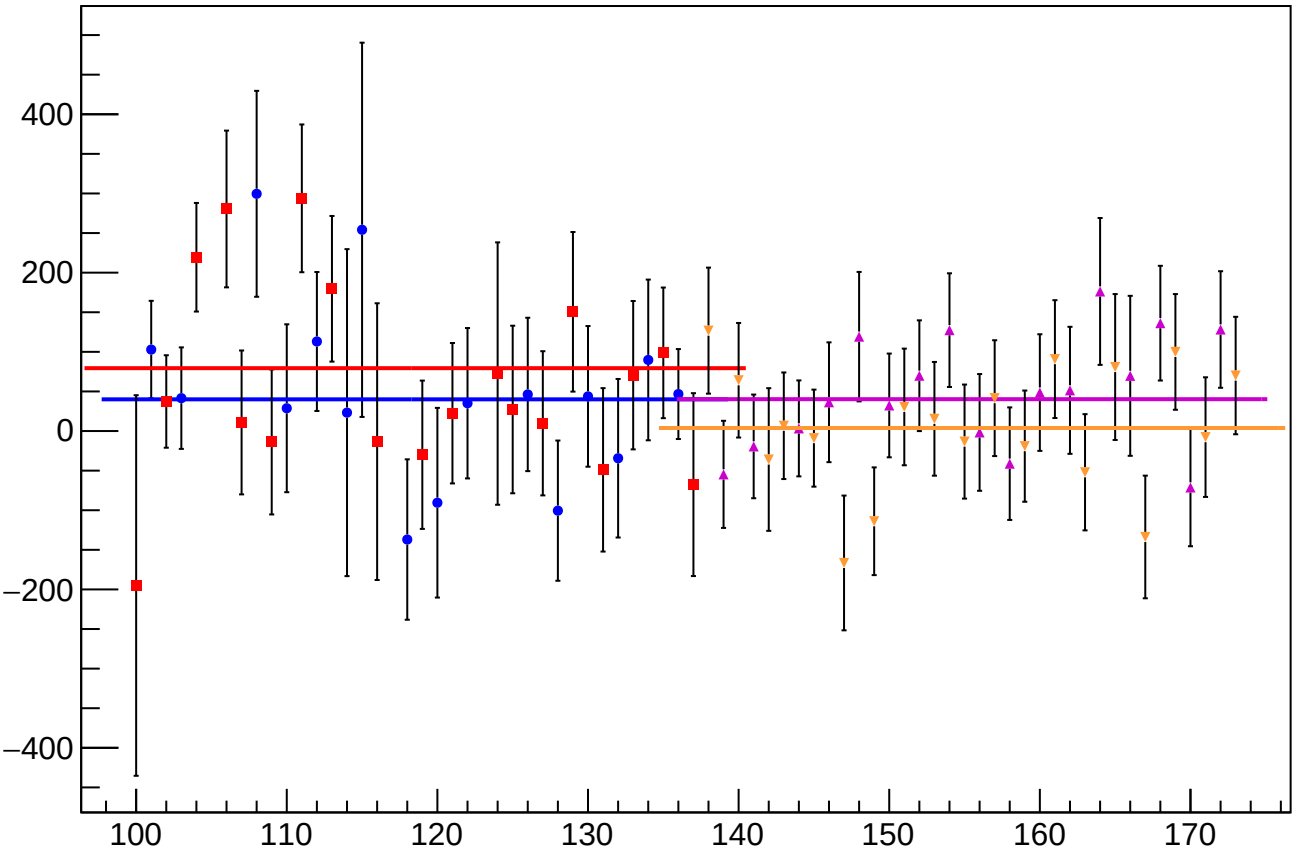
Left: 325.238+/-0.043 χ^2/NDF: 511980.1/35

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 140.651+/-0.029 χ^2/NDF:18283009.9/32

Out: 164.746+/-0.031 χ^2/NDF:15341955.9/37

All: 152.085+/-0.021 χ^2/NDF: 33951811.8/70



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 3.840+/-16.975 χ^2/NDF:19.3/18

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 40.236+/-17.751 χ^2/NDF:15.1/16

Left: 21.225+/-12.268 χ^2/NDF: 36.6/35

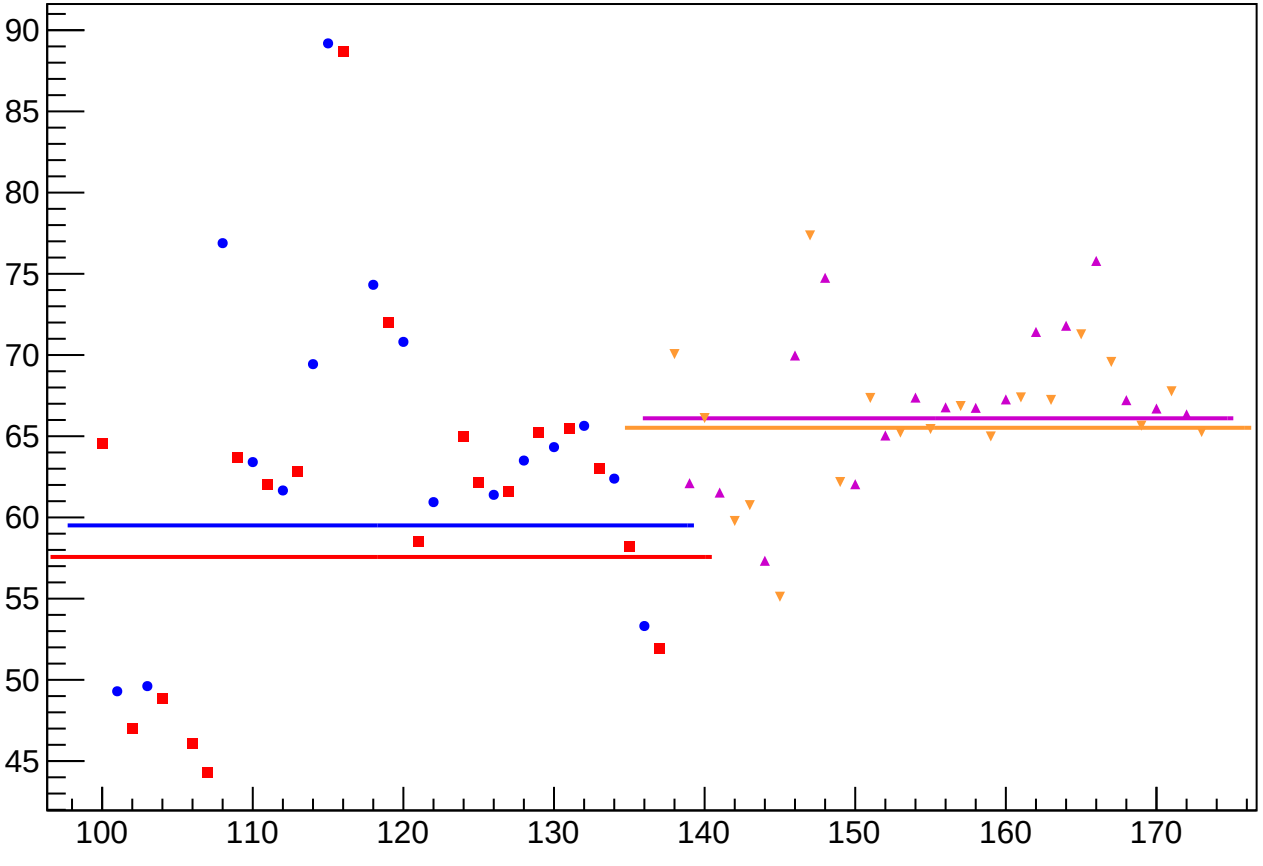
Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 40.157+/-13.940 χ^2/NDF:29.3/32

Out: 32.719+/-13.341 χ^2/NDF:51.7/37

All: 36.275+/-9.638 χ^2/NDF: 81.1/70

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 65.520+/-0.012 χ^2/NDF:145520.2/18

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 66.104+/-0.013 χ^2/NDF:131280.4/16

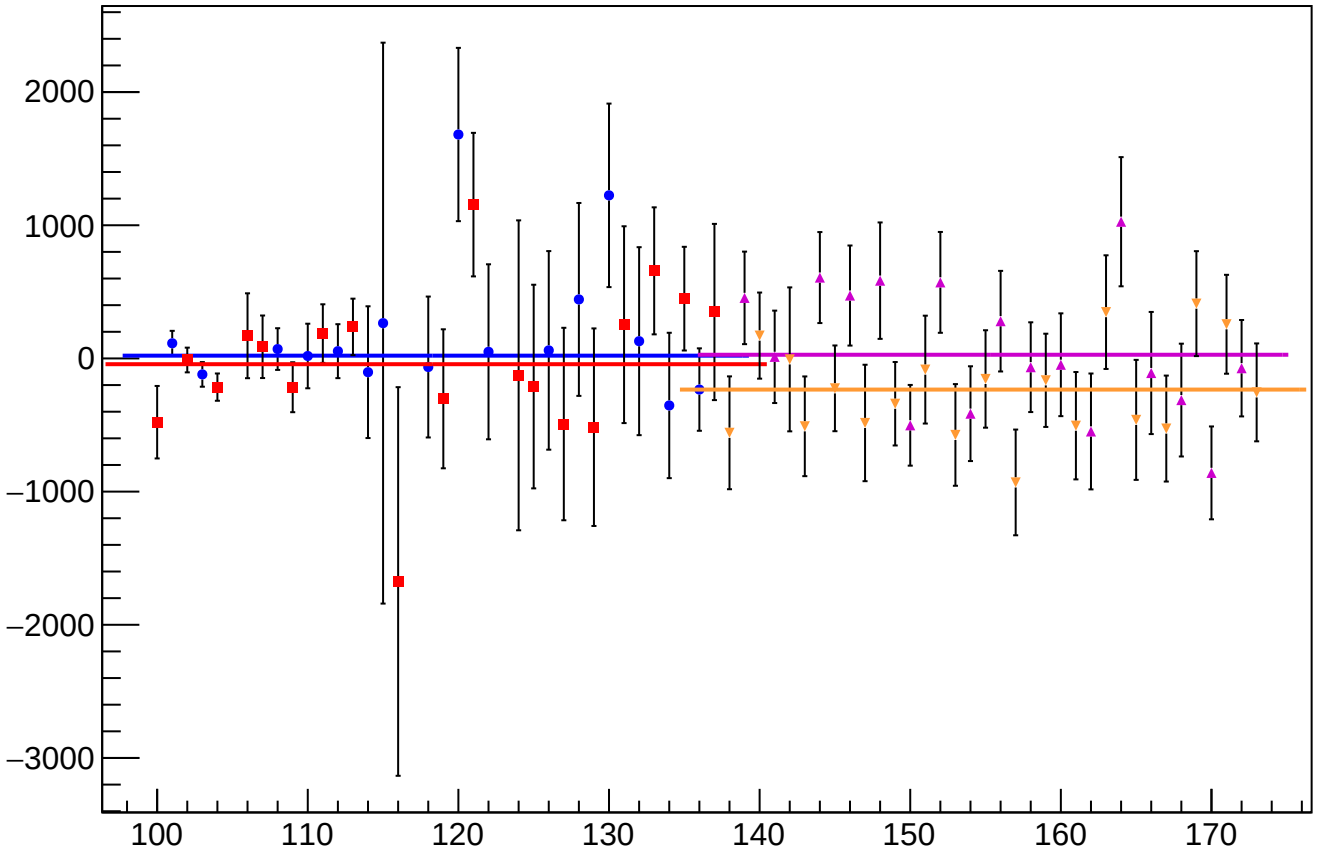
Left: 65.799+/-0.009 χ^2/NDF: 277933.4/35

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 63.576+/-0.010 χ^2/NDF:520314.1/32

Out: 62.479+/-0.009 χ^2/NDF:660727.5/37

All: 63.004+/-0.007 χ^2/NDF: 1187503.3/70



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -233.845+/-87.808 χ^2/NDF:15.0/18

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 27.587+/-90.727 χ^2/NDF:27.9/16

Left: -107.402+/-63.096 χ^2/NDF: 47.2/35

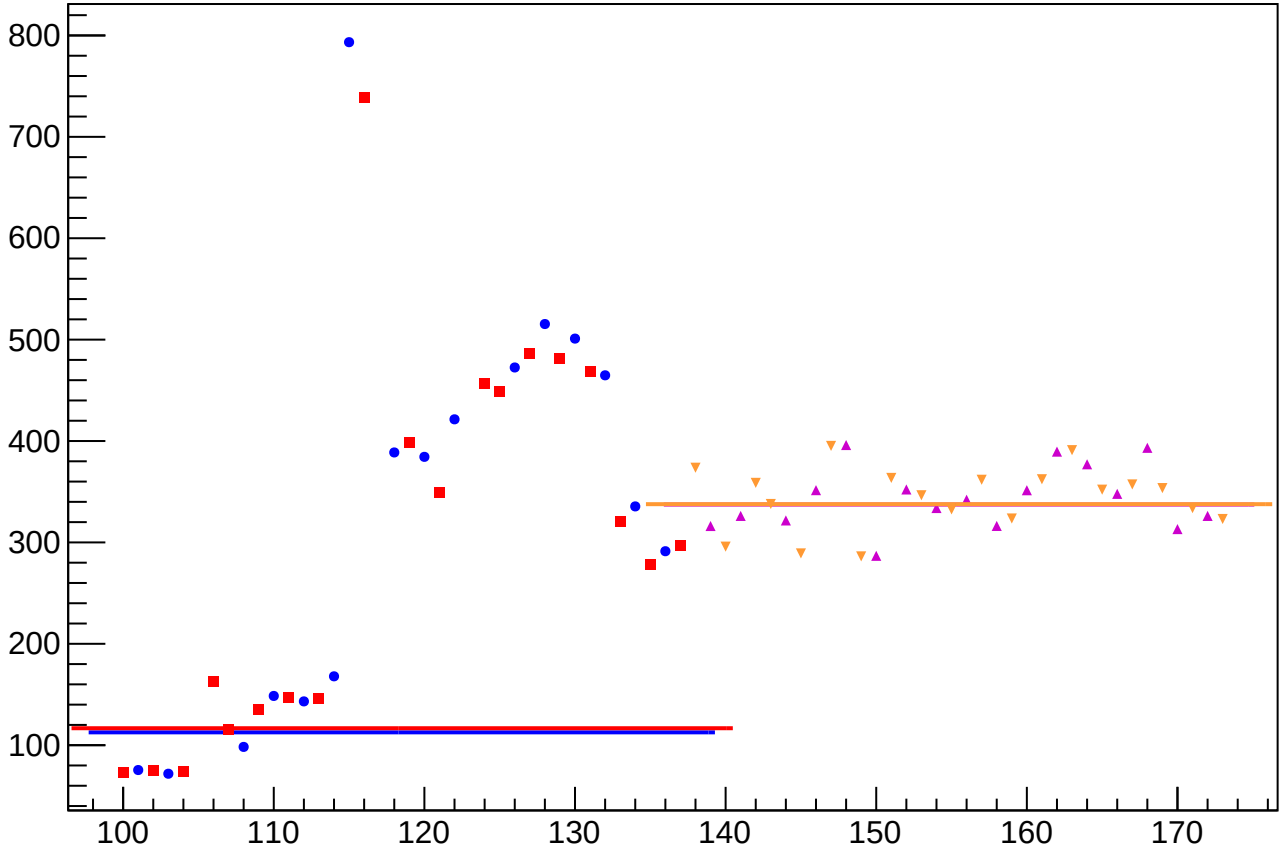
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 22.585+/-46.139 χ^2/NDF:42.5/32

Out: -94.450+/-45.507 χ^2/NDF:39.9/37

All: -36.740+/-32.399 χ^2/NDF: 85.7/70

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 337.714+/-0.062 χ^2/NDF:257416.1/18

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 337.319+/-0.064 χ^2/NDF:212151.0/16

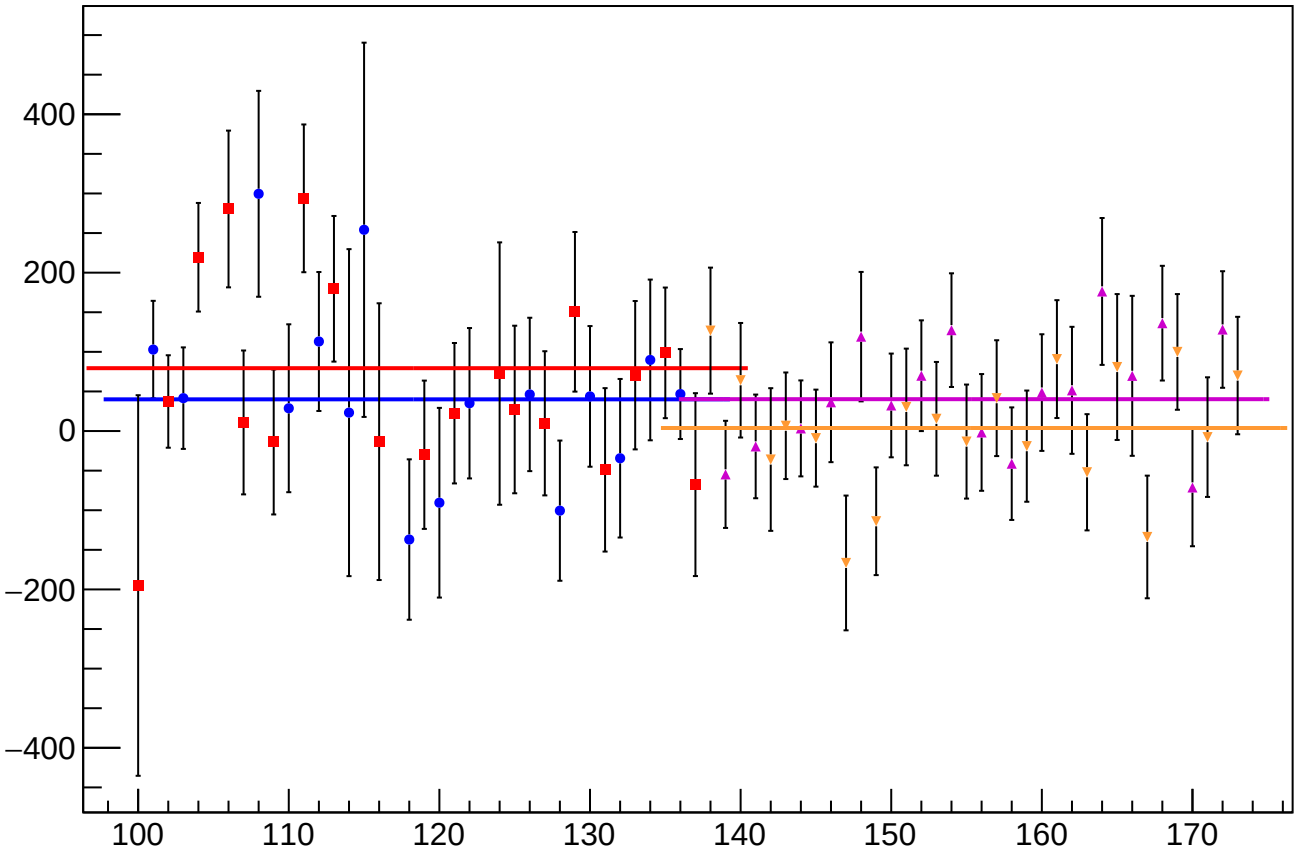
Left: 337.523+/-0.045 χ^2/NDF: 469586.8/35

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 170.767+/-0.033 χ^2/NDF:14902889.9/32

Out: 176.086+/-0.032 χ^2/NDF:14663652.4/37

All: 173.463+/-0.023 χ^2/NDF: 29580015.2/70



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 3.840+/-16.975 χ^2/NDF:19.3/18

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 40.236+/-17.751 χ^2/NDF:15.1/16

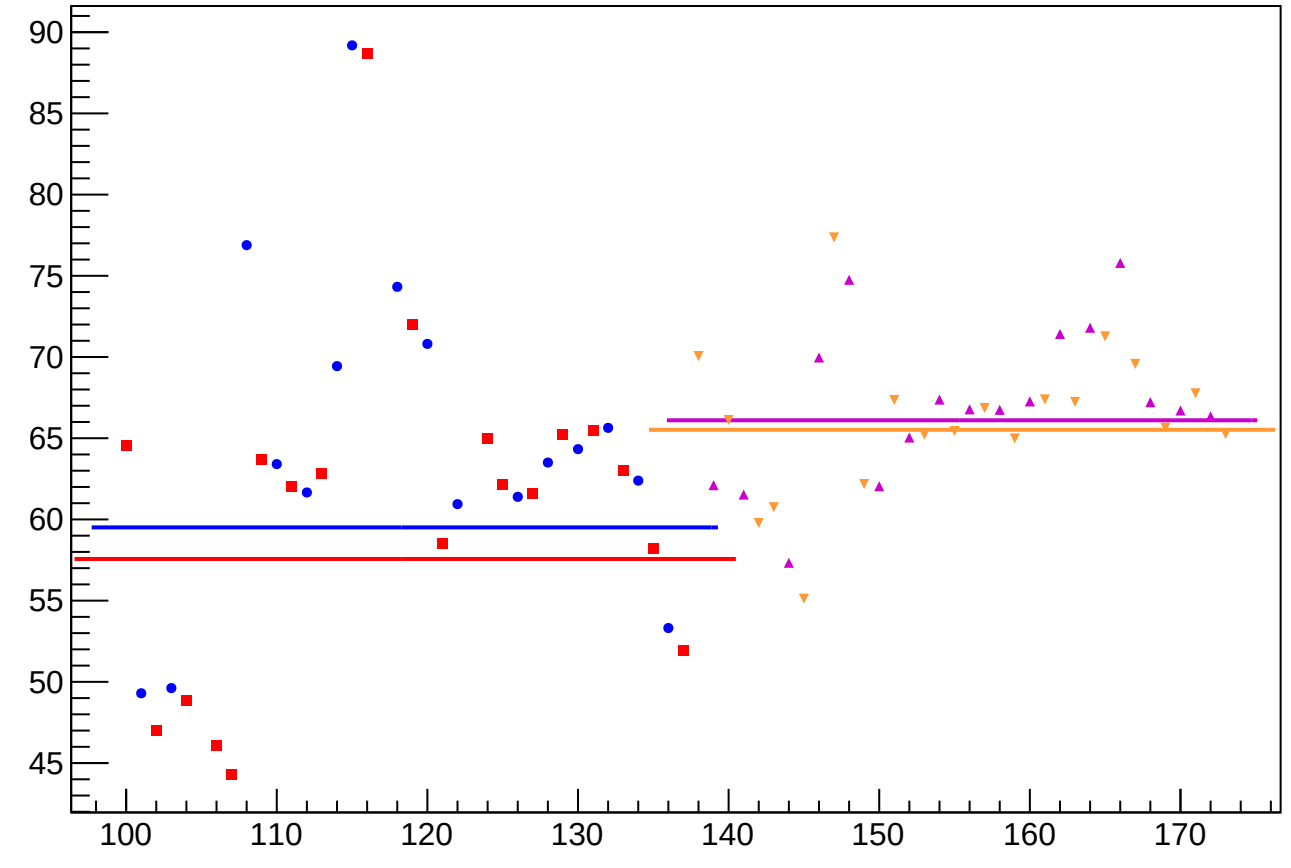
Left: 21.225+/-12.268 χ^2/NDF: 36.6/35

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 40.157+/-13.940 χ^2/NDF:29.3/32

Out: 32.719+/-13.341 χ^2/NDF:51.7/37

All: 36.275+/-9.638 χ^2/NDF: 81.1/70



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 65.520+/-0.012 χ^2/NDF:145522.2/18

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 66.104+/-0.013 χ^2/NDF:131276.5/16

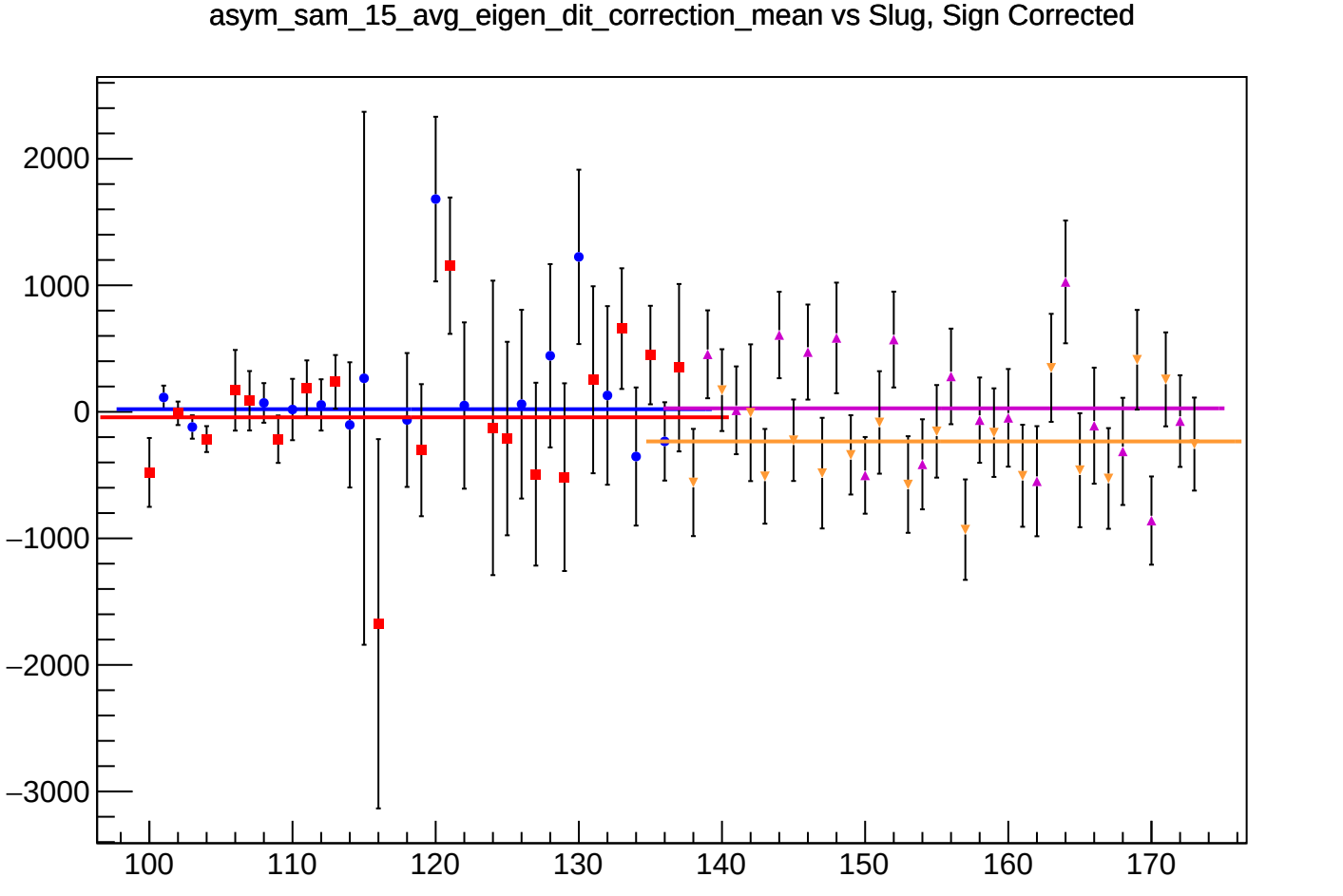
Left: 65.799+/-0.009 χ^2/NDF: 277931.7/35

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 63.576+/-0.010 χ^2/NDF:520315.8/32

Out: 62.479+/-0.009 χ^2/NDF:660734.0/37

All: 63.004+/-0.007 χ^2/NDF: 1187511.8/70



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -233.844+/-87.808 χ^2/NDF:15.0/18

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 27.587+/-90.727 χ^2/NDF:27.9/16

Left: -107.402+/-63.096 χ^2/NDF: 47.2/35

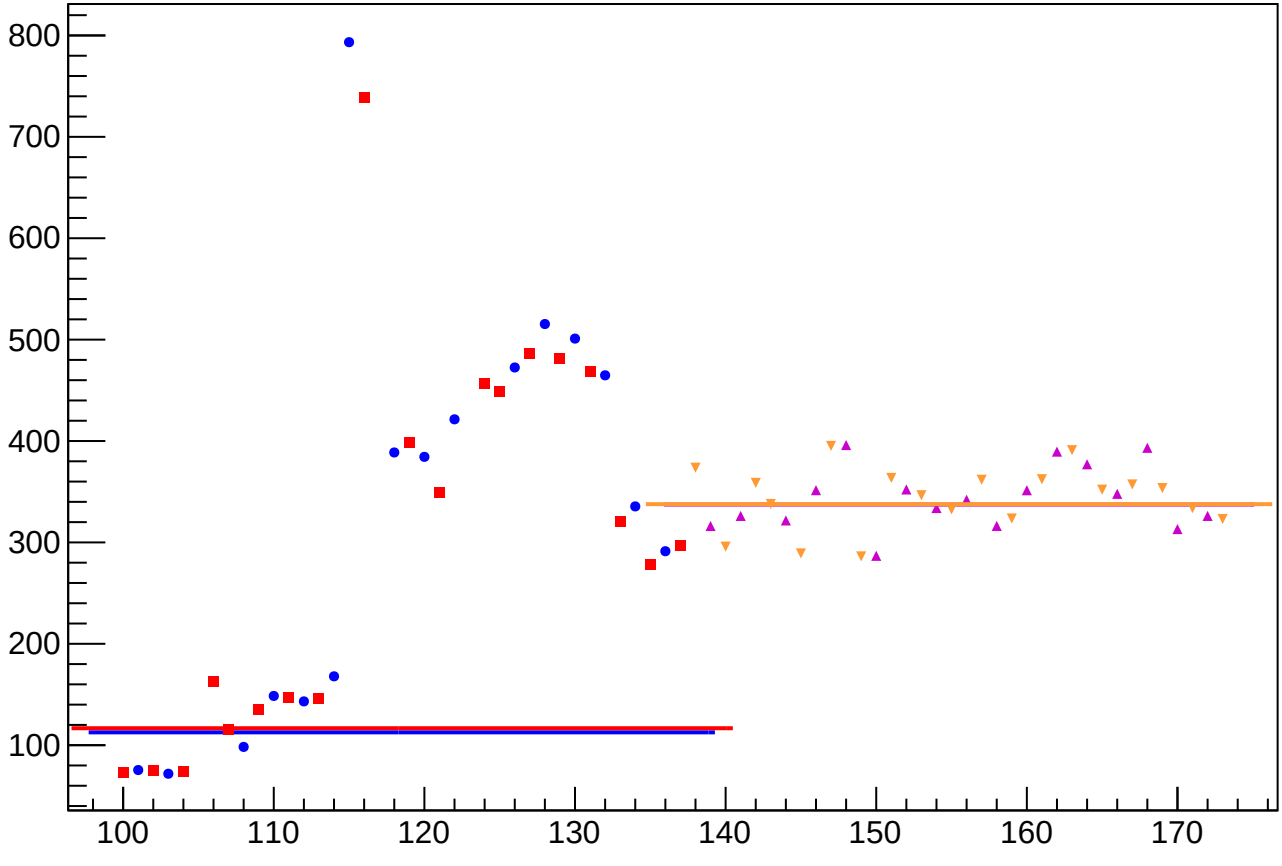
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 22.585+/-46.139 χ^2/NDF:42.5/32

Out: -94.450+/-45.507 χ^2/NDF:39.9/37

All: -36.739+/-32.399 χ^2/NDF: 85.7/70

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: 337.715+/-0.062 χ^2/NDF:257414.1/18

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 337.320+/-0.064 χ^2/NDF:212145.4/16

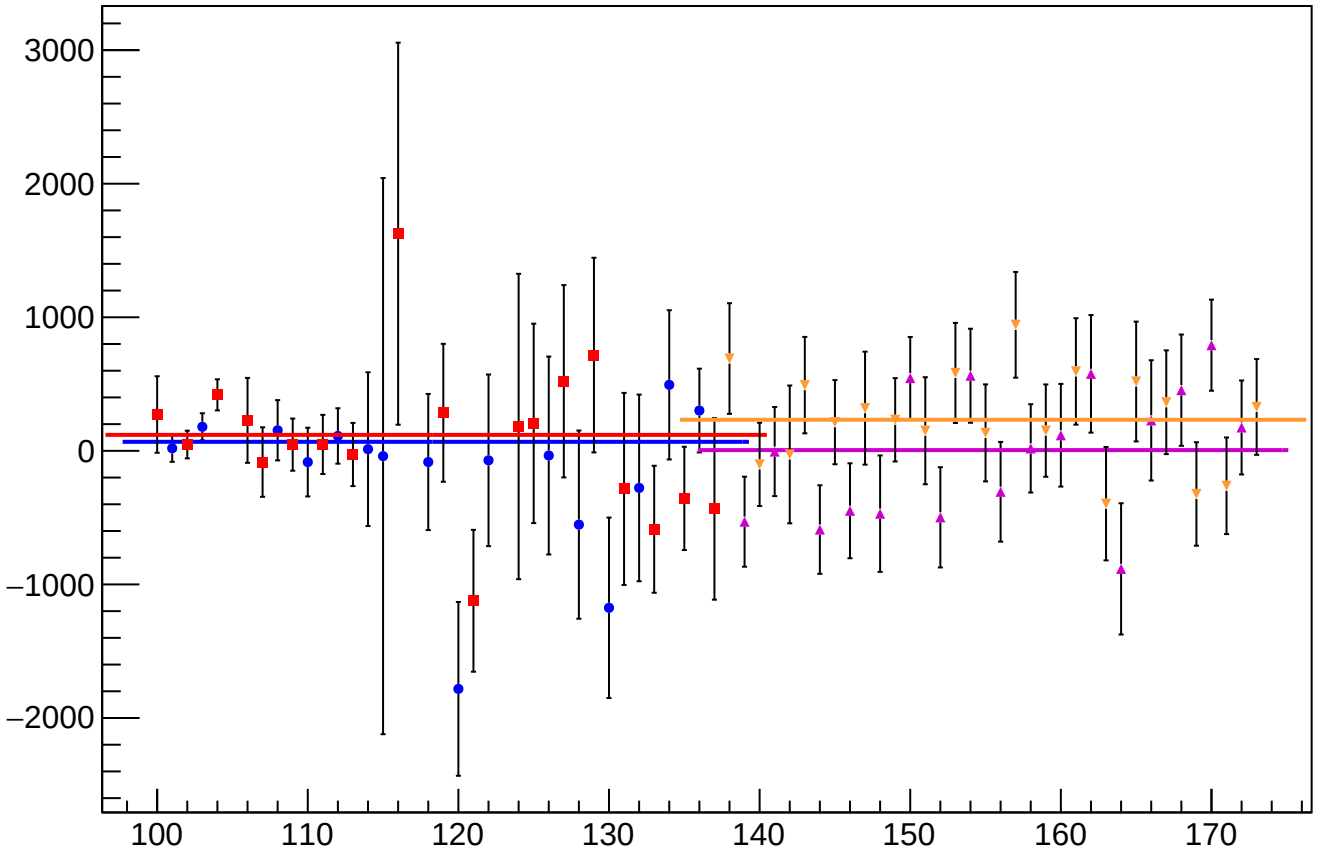
Left: 337.524+/-0.045 χ^2/NDF: 469579.1/35

Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 170.767+/-0.033 χ^2/NDF:14902938.9/32

Out: 176.085+/-0.032 χ^2/NDF:14663729.0/37

All: 173.463+/-0.023 χ^2/NDF: 29580140.0/70



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 232.683+/-86.157 χ^2/NDF:15.0/18

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: 5.644+/-89.223 χ^2/NDF:28.6/16

Left: 123.131+/-61.978 χ^2/NDF: 47.0/35

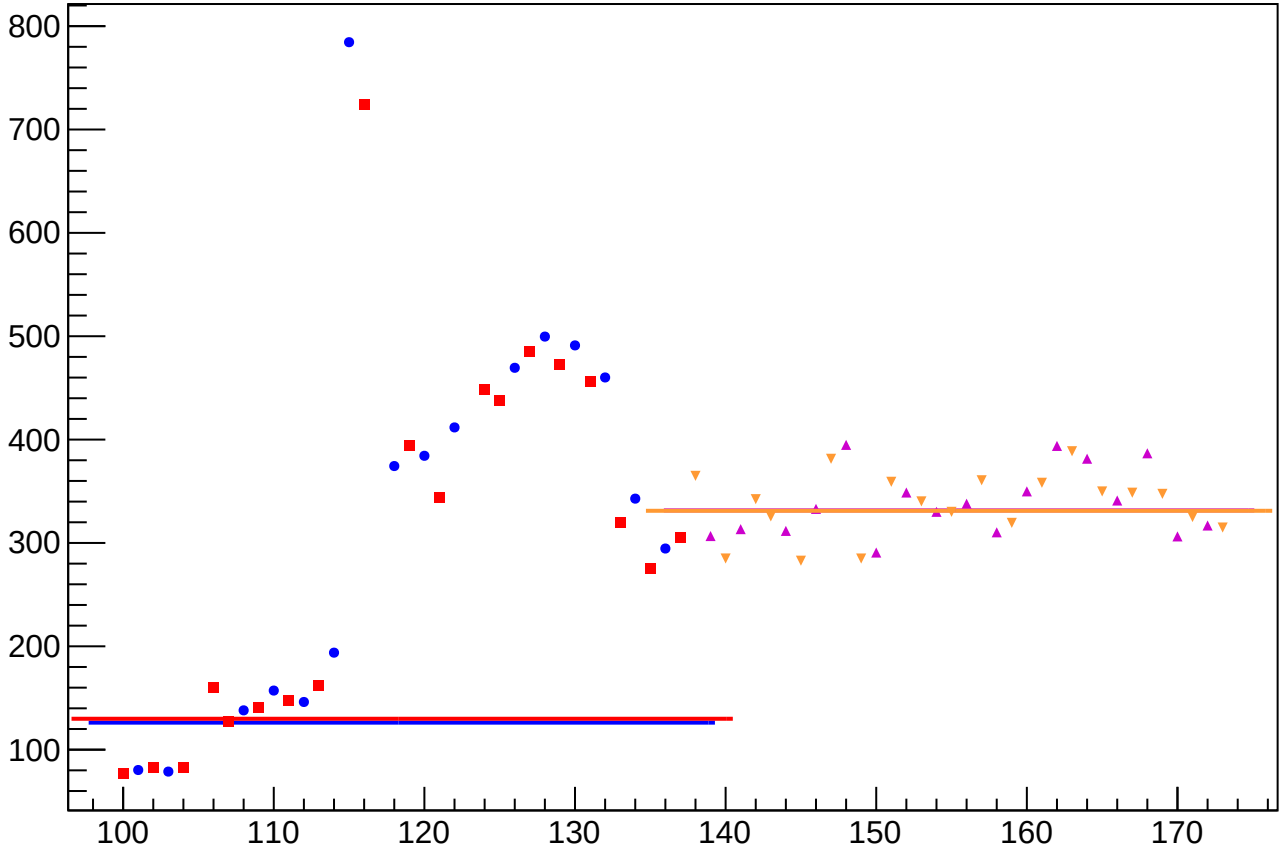
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 48.690+/-49.311 χ^2/NDF:44.8/32

Out: 154.841+/-48.080 χ^2/NDF:37.3/37

All: 103.107+/-34.425 χ^2/NDF: 84.4/70

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 331.120+/-0.061 χ^2/NDF:263957.4/18

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 331.511+/-0.063 χ^2/NDF:230493.4/16

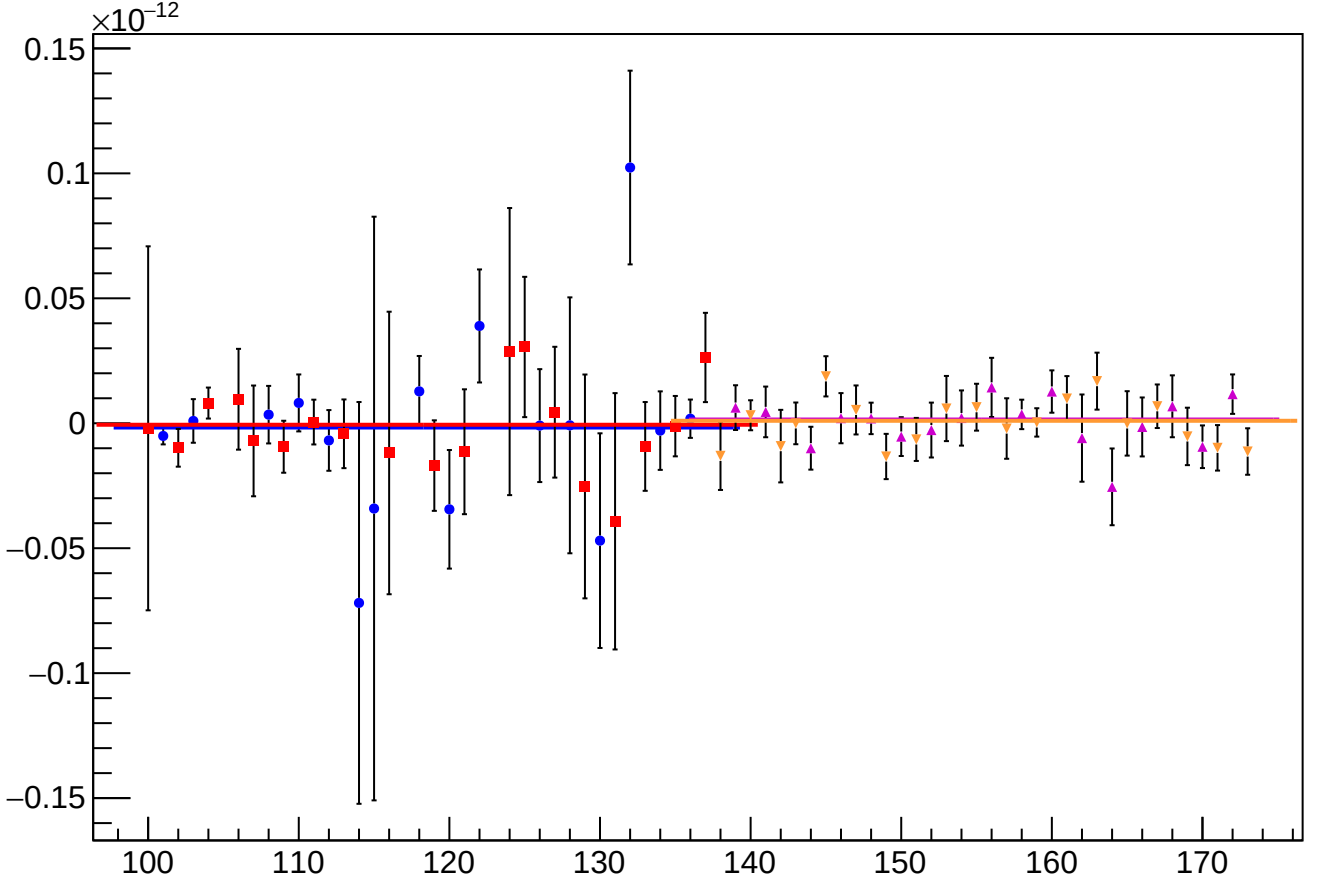
Left: 331.309+/-0.044 χ^2/NDF: 494470.6/35

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 188.880+/-0.035 χ^2/NDF:12809322.0/32

Out: 192.575+/-0.034 χ^2/NDF:12422435.3/37

All: 190.774+/-0.024 χ^2/NDF: 25237512.2/70



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.4/18

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

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

Left: 0.000+/-0.000 χ^2/NDF: 30.4/35

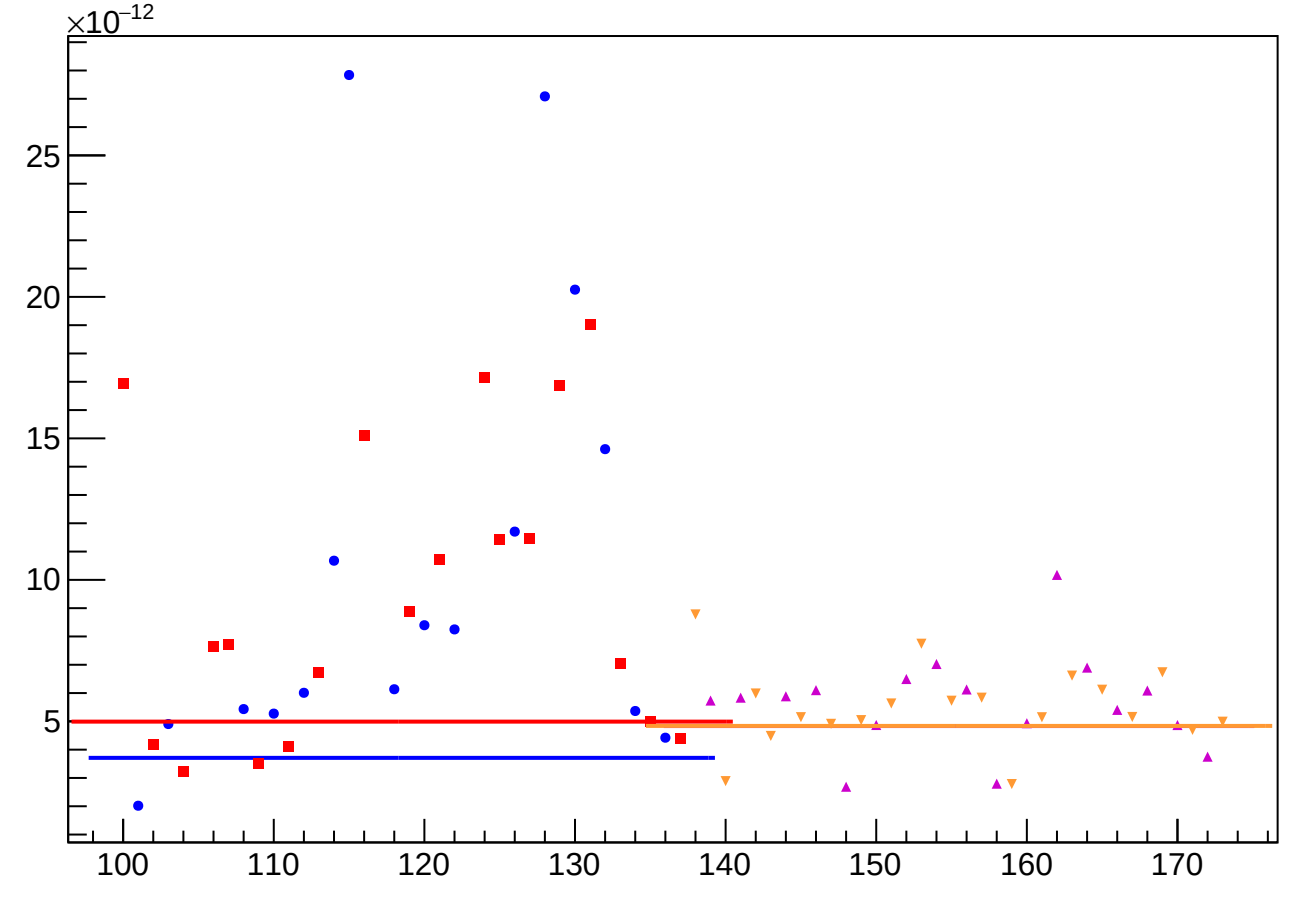
Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: 0.000+/-0.000 χ^2/NDF:31.6/32

Out: 0.000+/-0.000 χ^2/NDF:28.1/37

All: 0.000+/-0.000 χ^2/NDF: 59.7/70

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:936591.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1007838.5/16

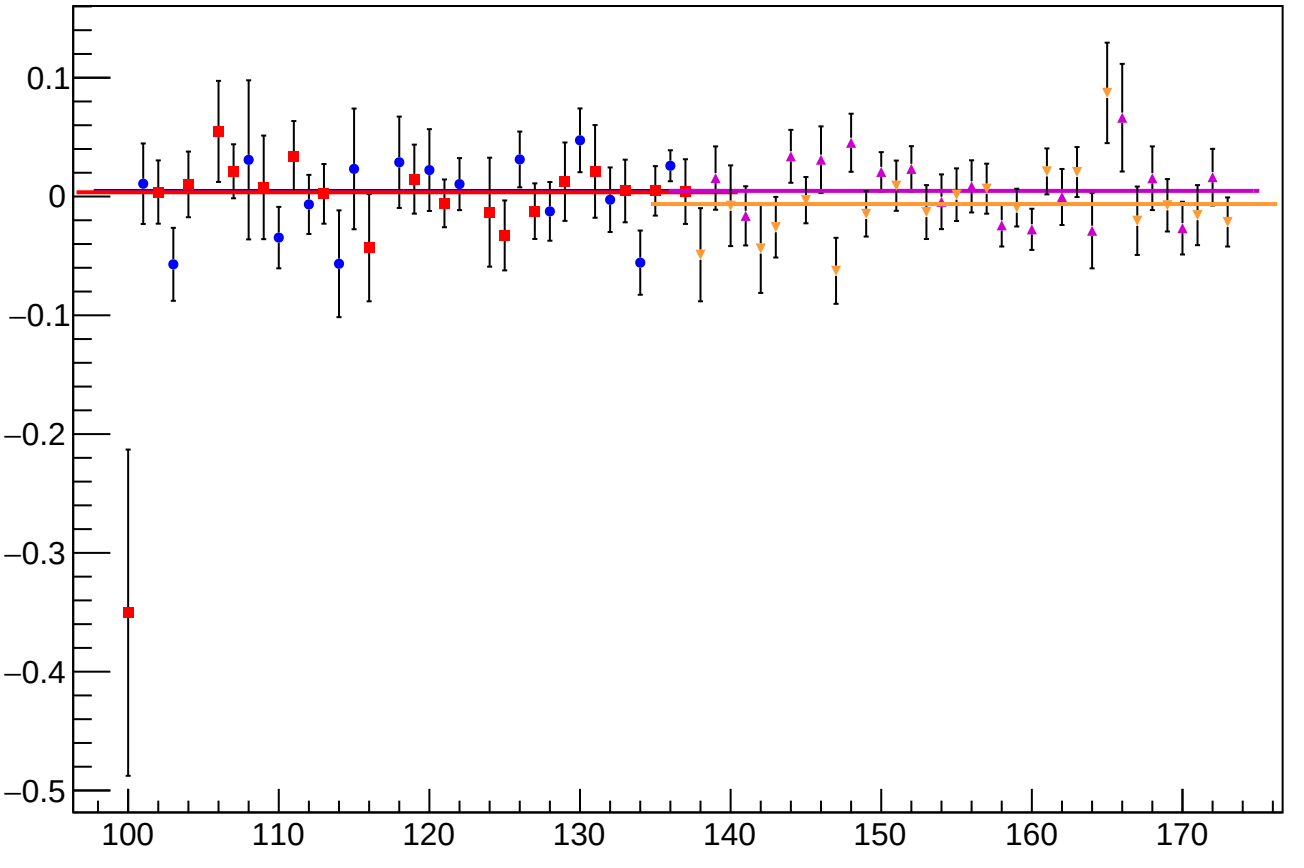
Left: 0.000+/-0.000 χ^2/NDF: 1944435.0/35

Right: 0.000+/-0.000 χ^2/NDF: 3664320.8/34

In: 0.000+/-0.000 χ^2/NDF:3404240.0/32

Out: 0.000+/-0.000 χ^2/NDF:2235108.0/37

All: 0.000+/-0.000 χ^2/NDF: 5737977.8/70



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.7/18

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.005+/-0.005 χ^2/NDF:19.8/16

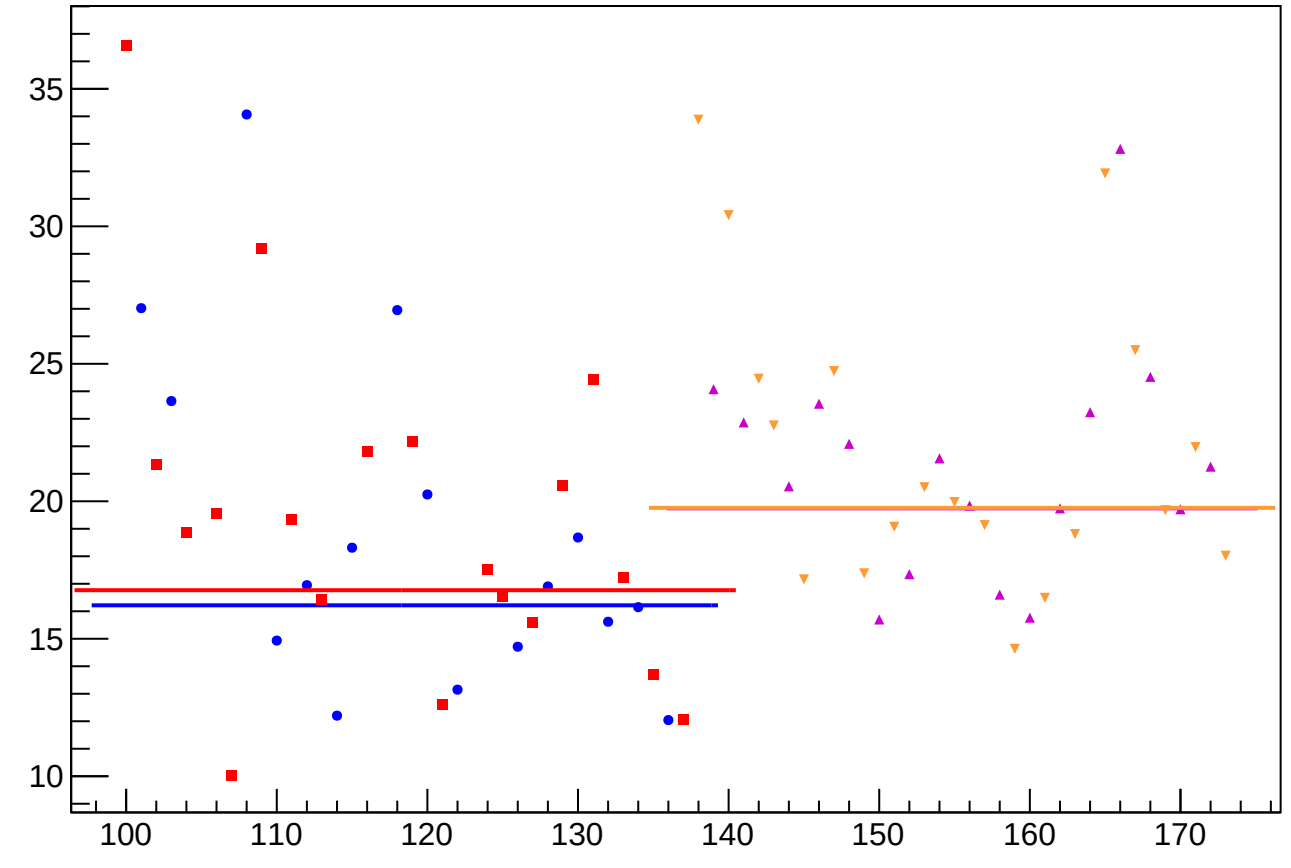
Left: -0.001+/-0.004 χ^2/NDF: 39.6/35

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:41.2/32

Out: -0.002+/-0.004 χ^2/NDF:32.7/37

All: 0.001+/-0.003 χ^2/NDF: 75.4/70



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.761+/-0.004 χ^2/NDF:1196356.2/18

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.743+/-0.004 χ^2/NDF:734037.3/16

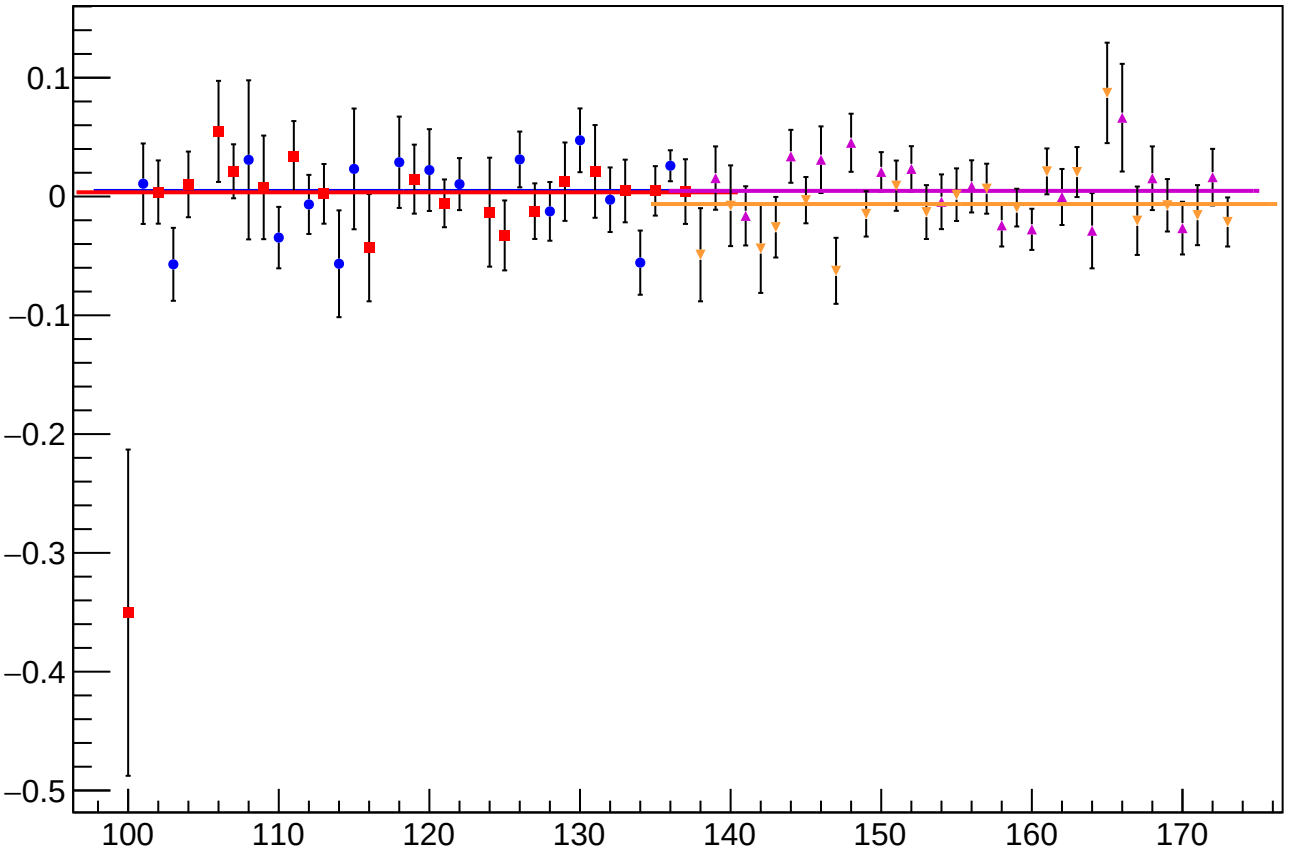
Left: 19.752+/-0.003 χ^2/NDF: 1930405.1/35

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 18.293+/-0.003 χ^2/NDF:2017719.0/32

Out: 18.592+/-0.003 χ^2/NDF:2312152.6/37

All: 18.445+/-0.002 χ^2/NDF: 4334991.5/70



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.7/18

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.005+/-0.005 χ^2/NDF:19.8/16

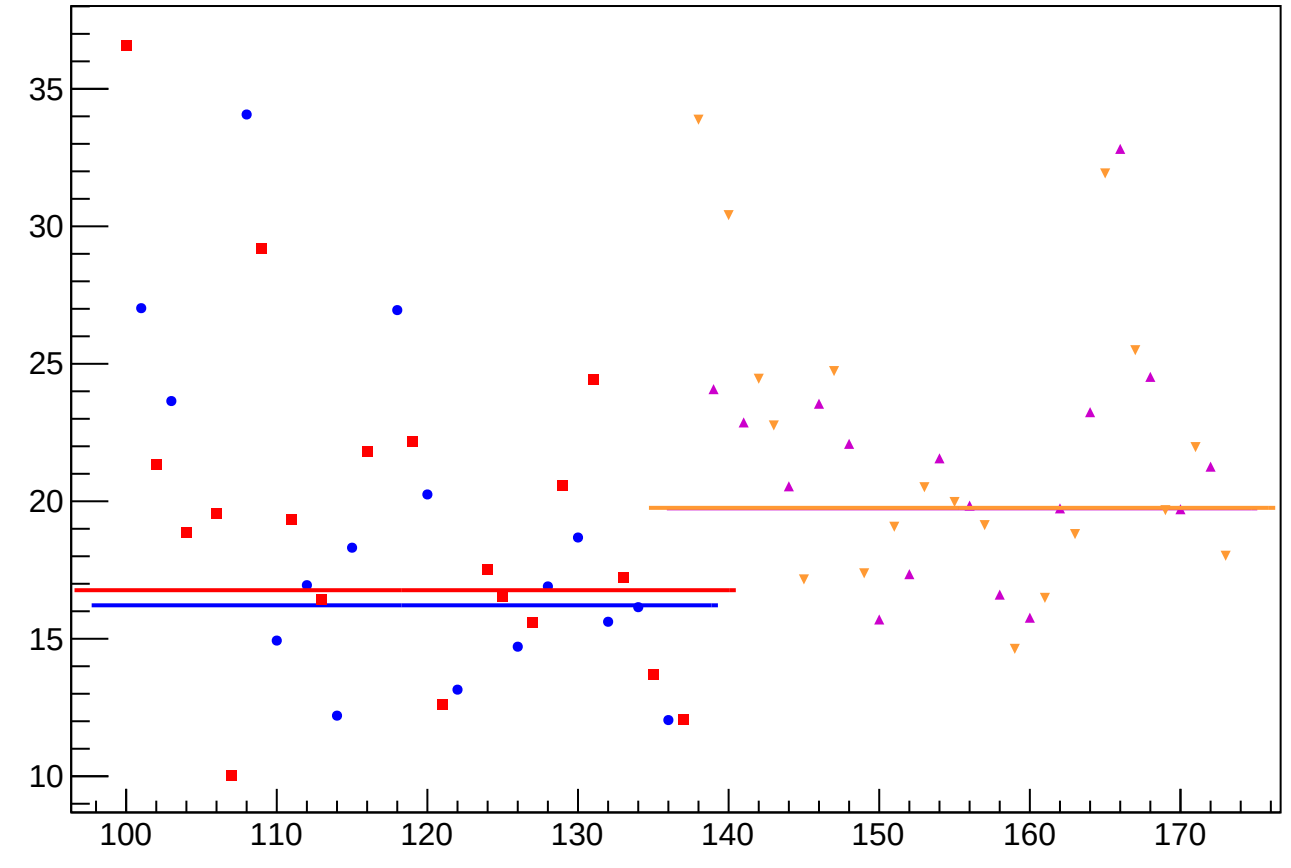
Left: -0.001+/-0.004 χ^2/NDF: 39.6/35

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:41.2/32

Out: -0.002+/-0.004 χ^2/NDF:32.7/37

All: 0.001+/-0.003 χ^2/NDF: 75.4/70



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.761+/-0.004 χ^2/NDF:1196356.2/18

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.743+/-0.004 χ^2/NDF:734037.3/16

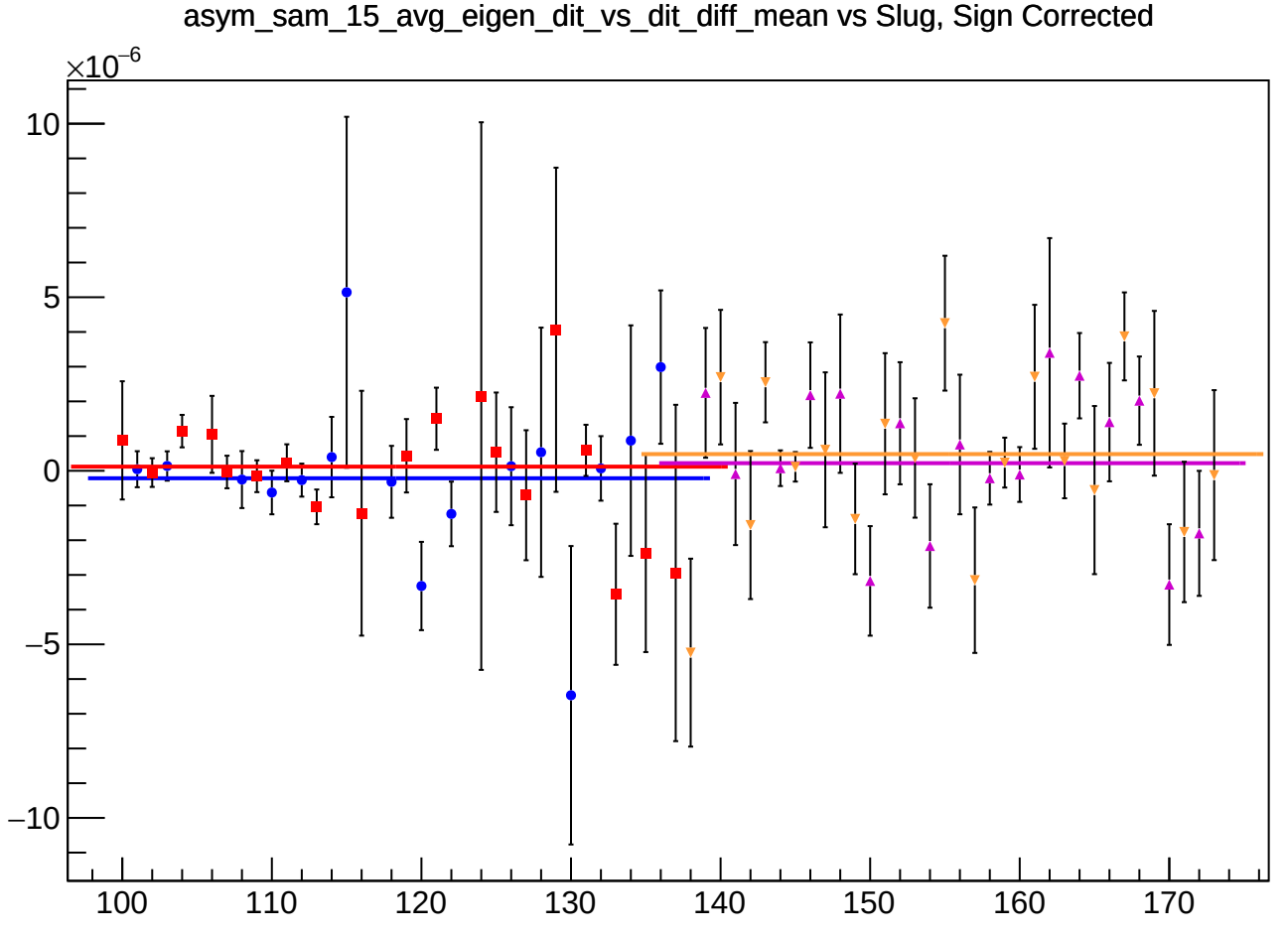
Left: 19.752+/-0.003 χ^2/NDF: 1930405.1/35

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 18.293+/-0.003 χ^2/NDF:2017719.0/32

Out: 18.592+/-0.003 χ^2/NDF:2312152.6/37

All: 18.445+/-0.002 χ^2/NDF: 4334991.5/70



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:24.1/16

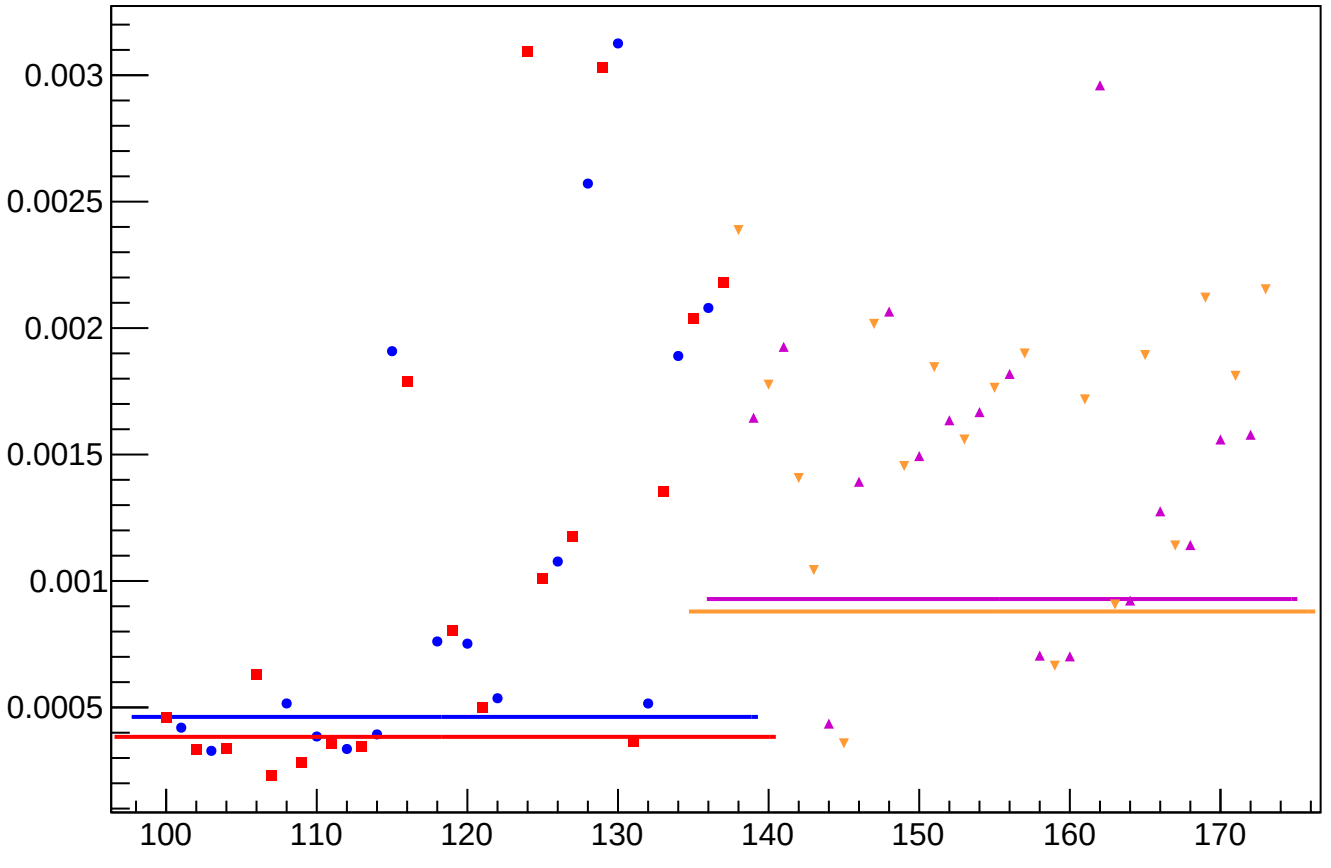
Left: 0.000+/-0.000 χ^2/NDF: 53.9/35

Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:40.0/32

Out: 0.000+/-0.000 χ^2/NDF:50.9/37

All: 0.000+/-0.000 χ^2/NDF: 92.6/70



Right In: 0.000+/-0.000 χ^2/NDF: 4015939.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:9092008.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4058129.5/18

Left In: 0.001+/-0.000 χ^2/NDF:6360651.3/16

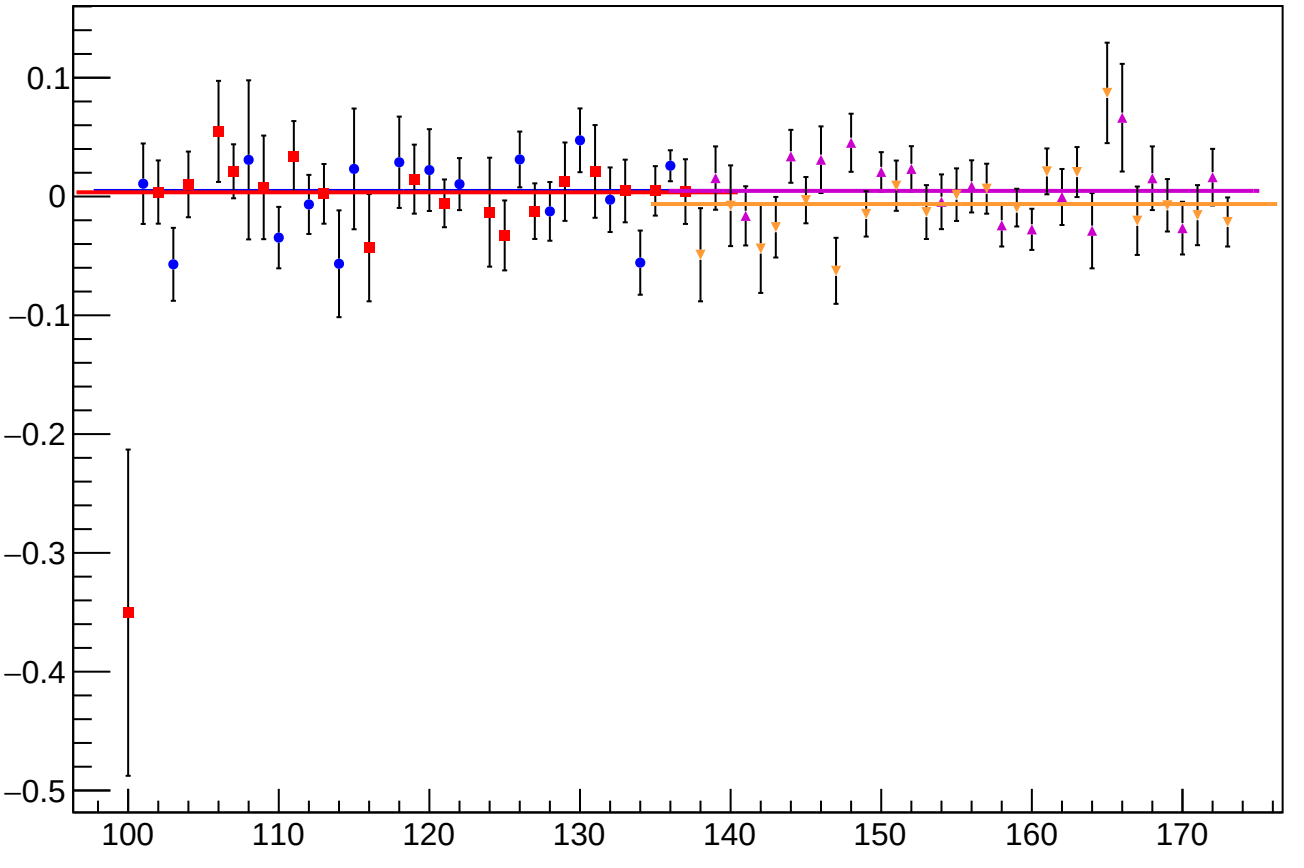
Left: 0.001+/-0.000 χ^2/NDF: 15482858.2/35

Right: 0.000+/-0.000 χ^2/NDF: 8244700.4/34

In: 0.001+/-0.000 χ^2/NDF:13795909.1/32

Out: 0.001+/-0.000 χ^2/NDF:17742294.2/37

All: 0.001+/-0.000 χ^2/NDF: 31929442.2/70



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.7/18

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.005+/-0.005 χ^2/NDF:19.8/16

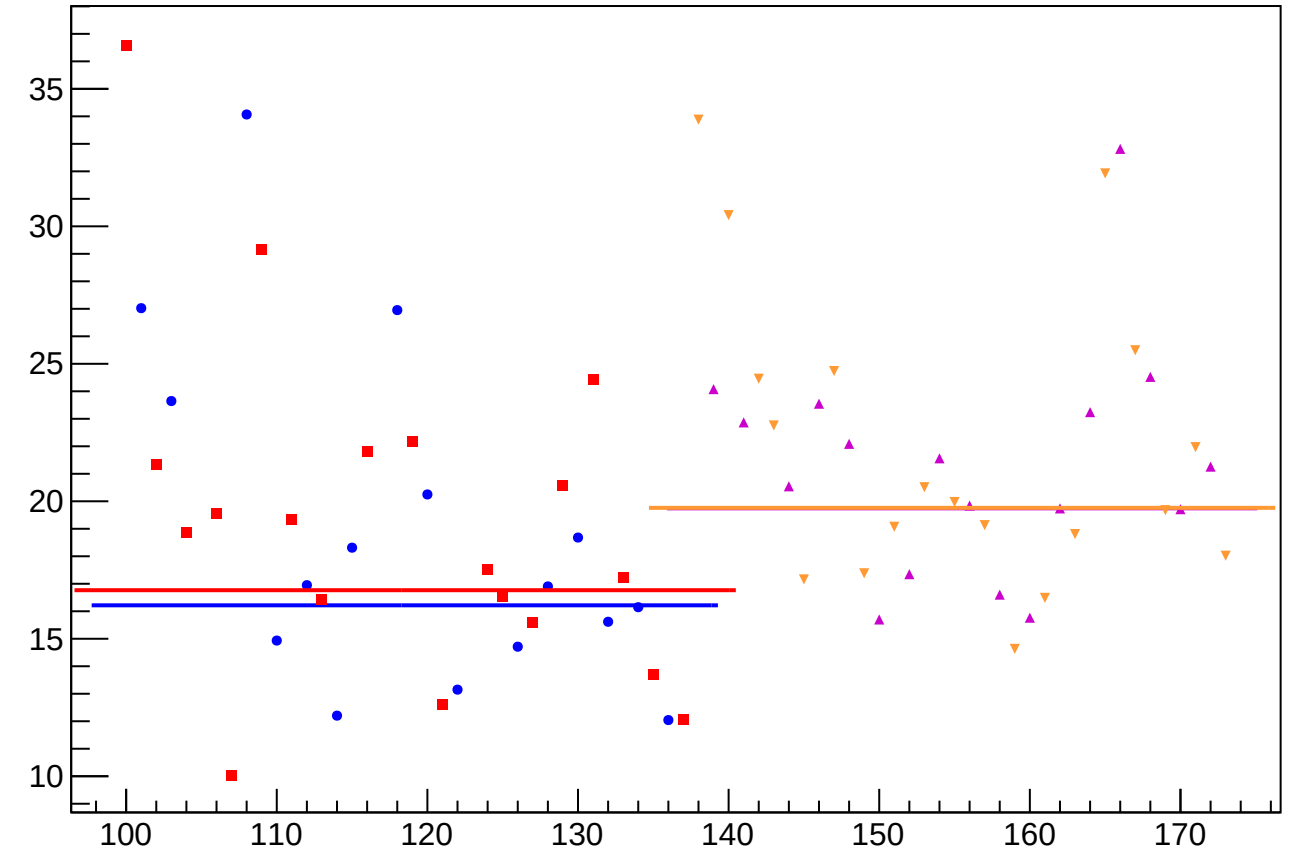
Left: -0.001+/-0.004 χ^2/NDF: 39.6/35

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:41.3/32

Out: -0.002+/-0.004 χ^2/NDF:32.7/37

All: 0.001+/-0.003 χ^2/NDF: 75.4/70



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.762+/-0.004 χ^2/NDF:1196437.2/18

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.743+/-0.004 χ^2/NDF:734146.6/16

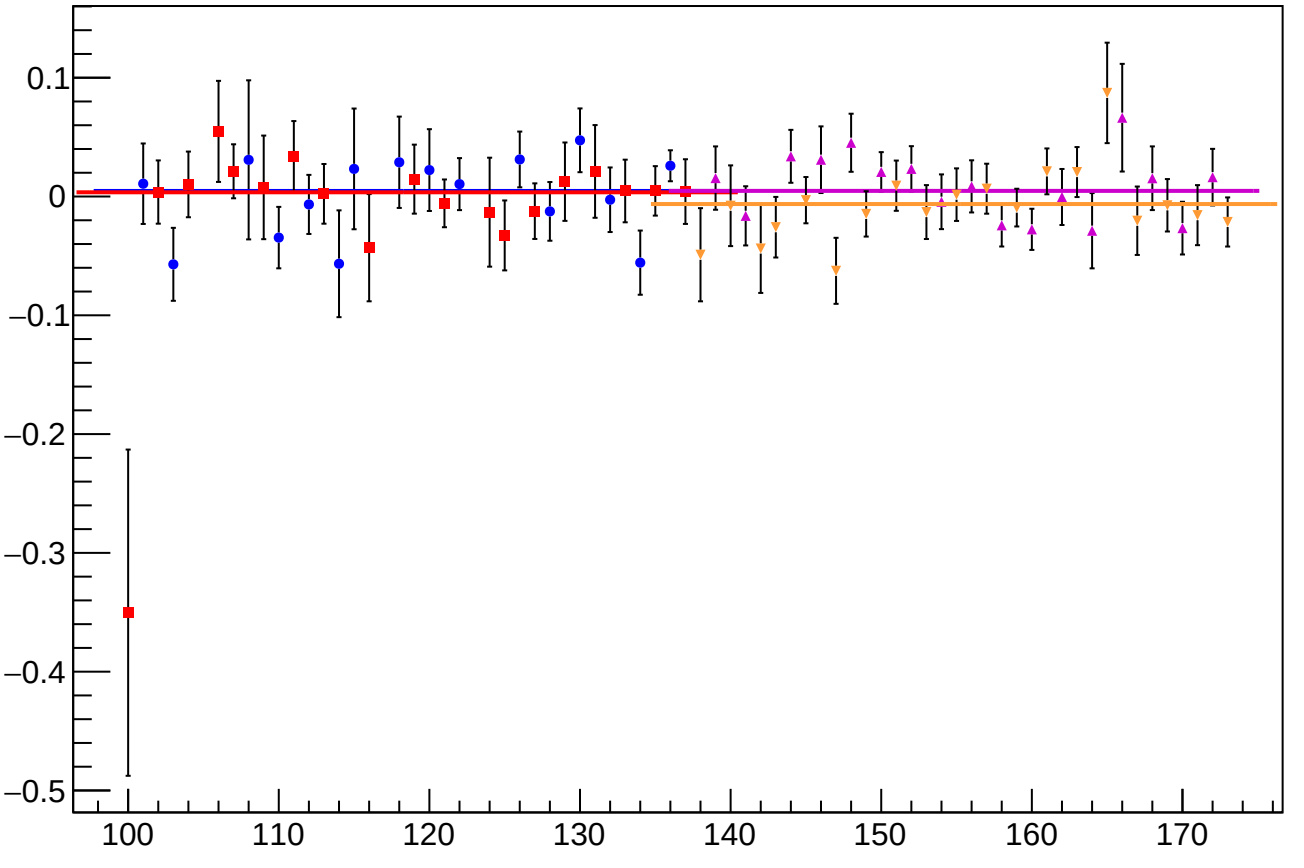
Left: 19.753+/-0.003 χ^2/NDF: 1930595.6/35

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 18.293+/-0.003 χ^2/NDF:2017834.7/32

Out: 18.592+/-0.003 χ^2/NDF:2312282.1/37

All: 18.445+/-0.002 χ^2/NDF: 4335238.8/70



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.7/18

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.005+/-0.005 χ^2/NDF:19.8/16

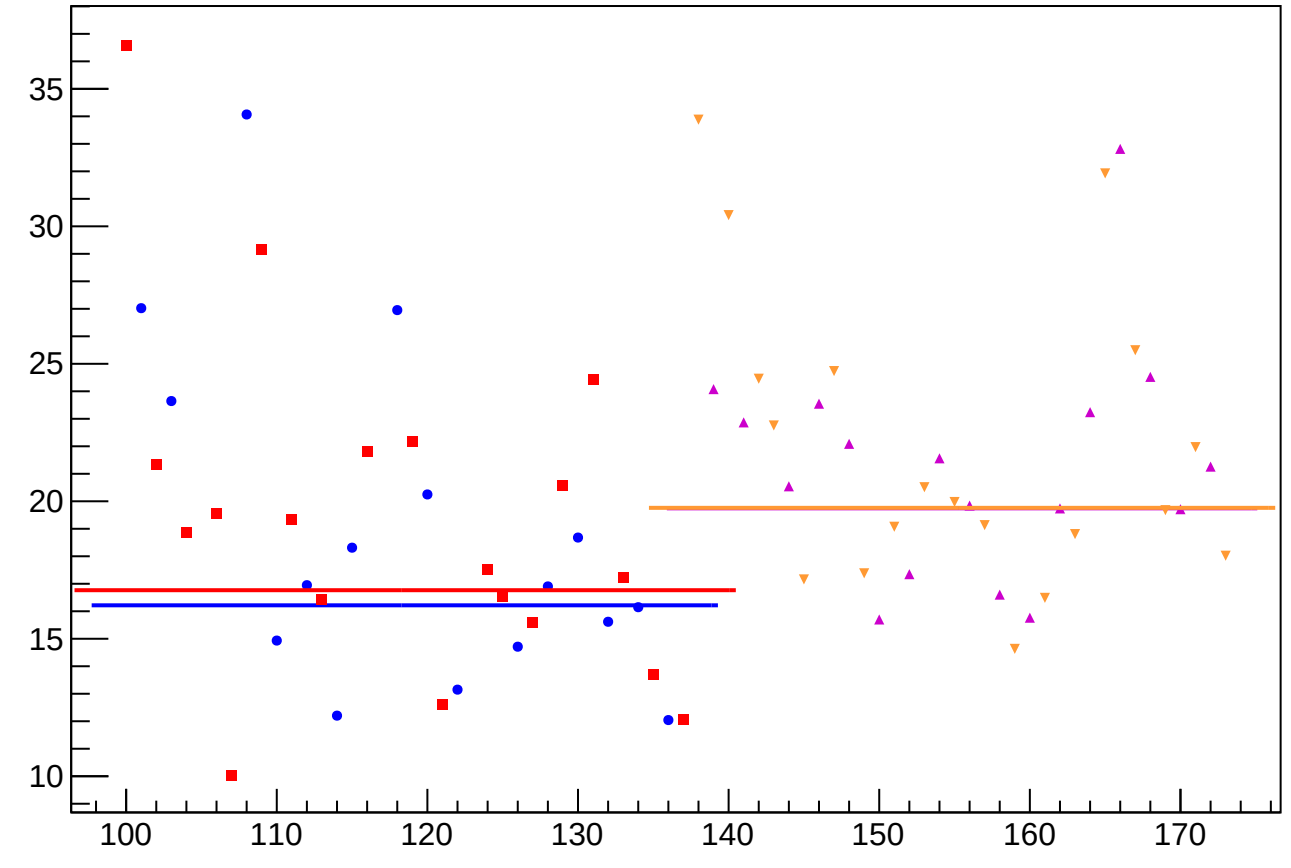
Left: -0.001+/-0.004 χ^2/NDF: 39.6/35

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.005+/-0.004 χ^2/NDF:41.3/32

Out: -0.002+/-0.004 χ^2/NDF:32.7/37

All: 0.001+/-0.003 χ^2/NDF: 75.4/70



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.762+/-0.004 χ^2/NDF:1196437.2/18

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.743+/-0.004 χ^2/NDF:734146.6/16

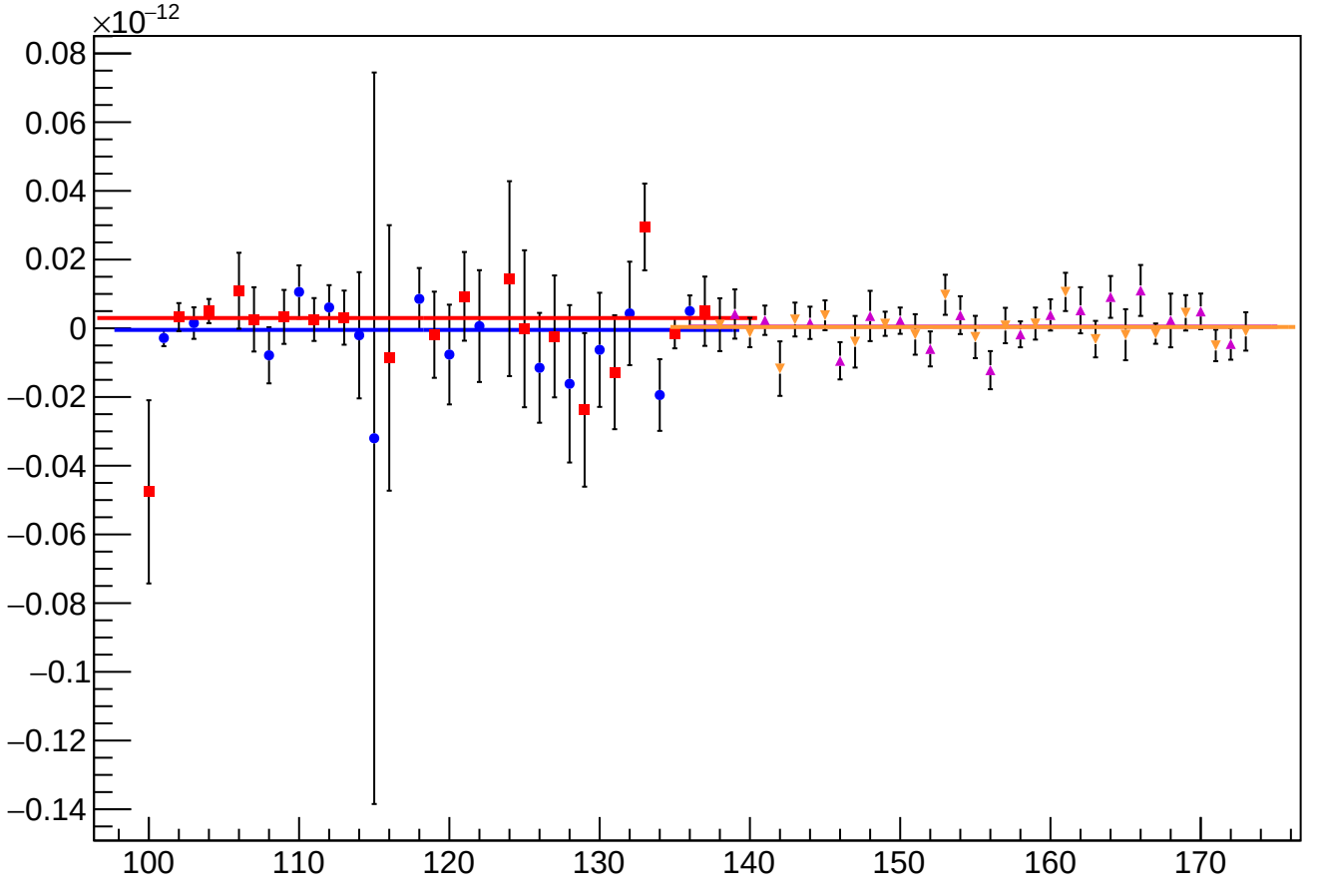
Left: 19.753+/-0.003 χ^2/NDF: 1930595.6/35

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 18.293+/-0.003 χ^2/NDF:2017834.7/32

Out: 18.592+/-0.003 χ^2/NDF:2312282.1/37

All: 18.445+/-0.002 χ^2/NDF: 4335238.8/70



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:18.9/16

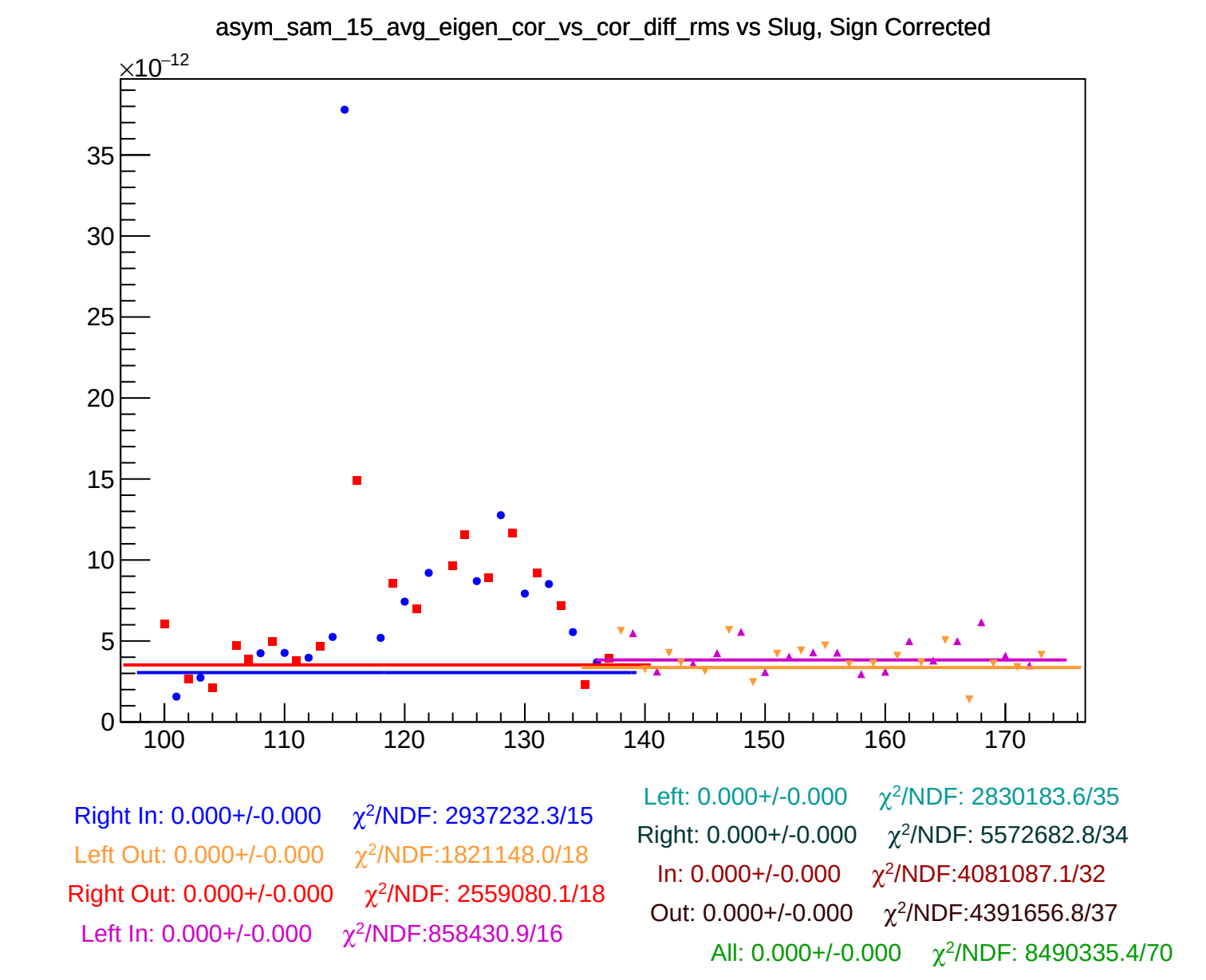
Left: 0.000+/-0.000 χ^2/NDF: 31.9/35

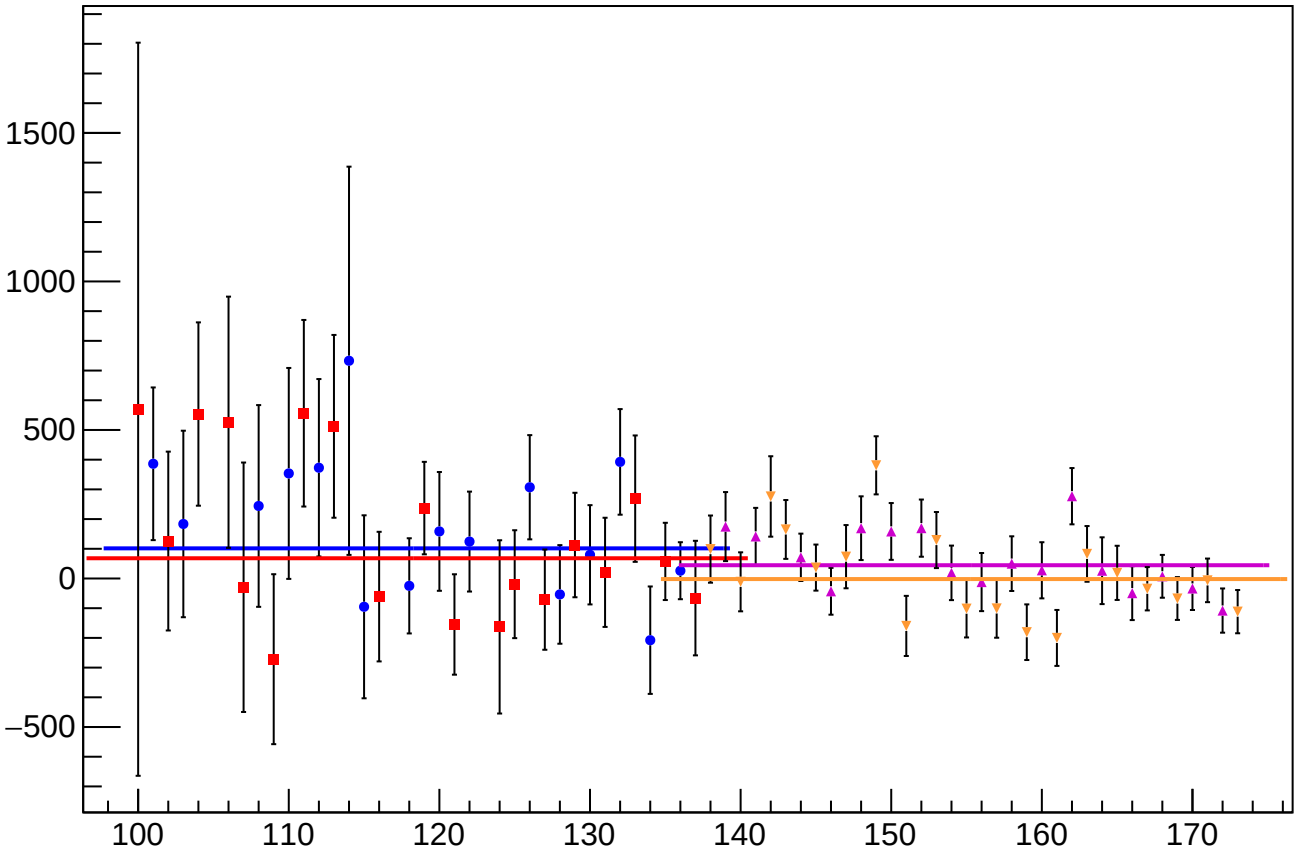
Right: 0.000+/-0.000 χ^2/NDF: 27.4/34

In: 0.000+/-0.000 χ^2/NDF:31.4/32

Out: 0.000+/-0.000 χ^2/NDF:27.6/37

All: 0.000+/-0.000 χ^2/NDF: 59.5/70


asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2937232.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1821148.0/18
Right Out: 0.000+/-0.000 χ²/NDF: 2559080.1/18
Left In: 0.000+/-0.000 χ²/NDF:858430.9/16
Left: 0.000+/-0.000 χ²/NDF: 2830183.6/35
Right: 0.000+/-0.000 χ²/NDF: 5572682.8/34
In: 0.000+/-0.000 χ²/NDF:4081087.1/32
Out: 0.000+/-0.000 χ²/NDF:4391656.8/37
All: 0.000+/-0.000 χ²/NDF: 8490335.4/70



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: -1.926+/-20.717 χ^2/NDF:42.6/18

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 44.665+/-21.648 χ^2/NDF:21.3/16

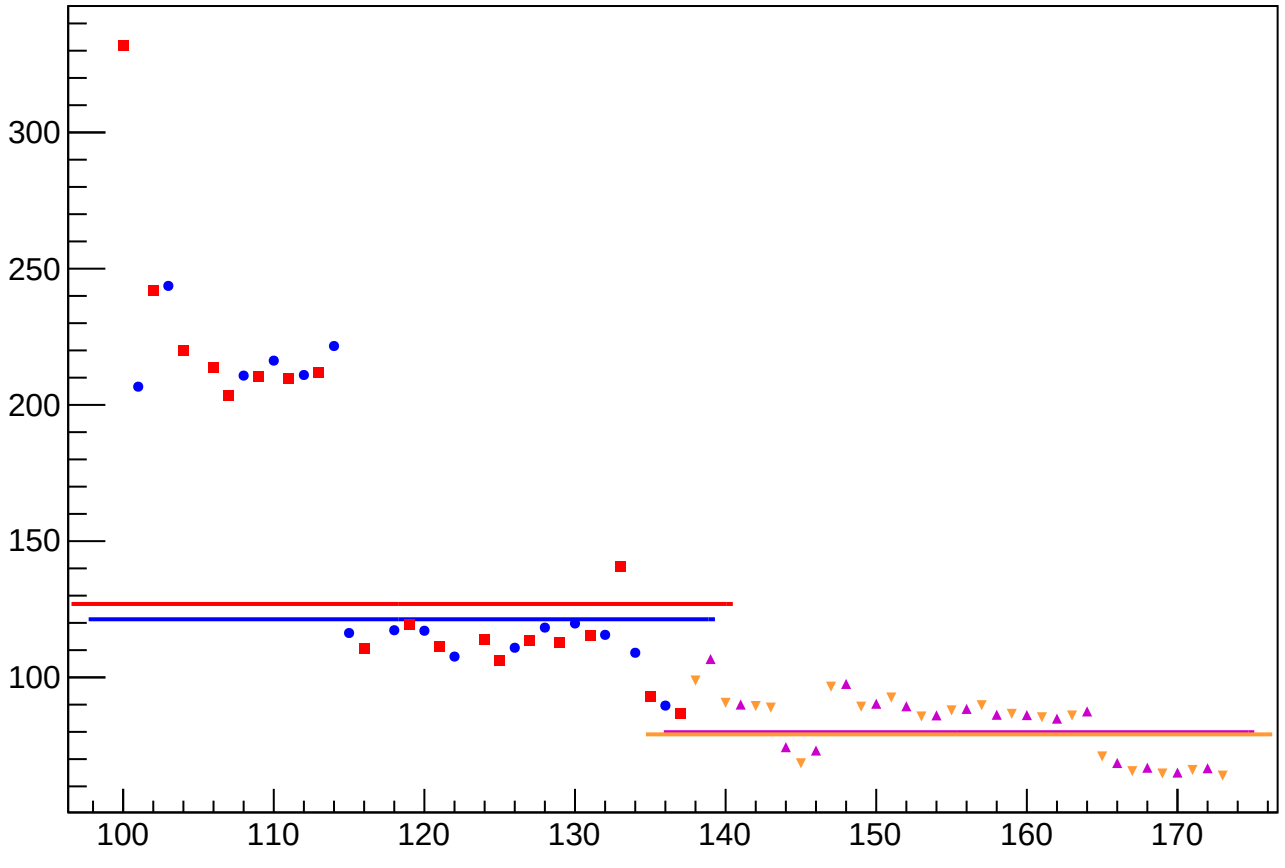
Left: 20.345+/-14.967 χ^2/NDF: 66.3/35

Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 54.389+/-19.708 χ^2/NDF:35.8/32

Out: 8.575+/-19.101 χ^2/NDF:60.5/37

All: 30.765+/-13.716 χ^2/NDF: 99.1/70



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 79.086+/-0.015 χ^2/NDF:664947.5/18

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 79.885+/-0.015 χ^2/NDF:552044.6/16

Left: 79.468+/-0.011 χ^2/NDF: 1218411.4/35

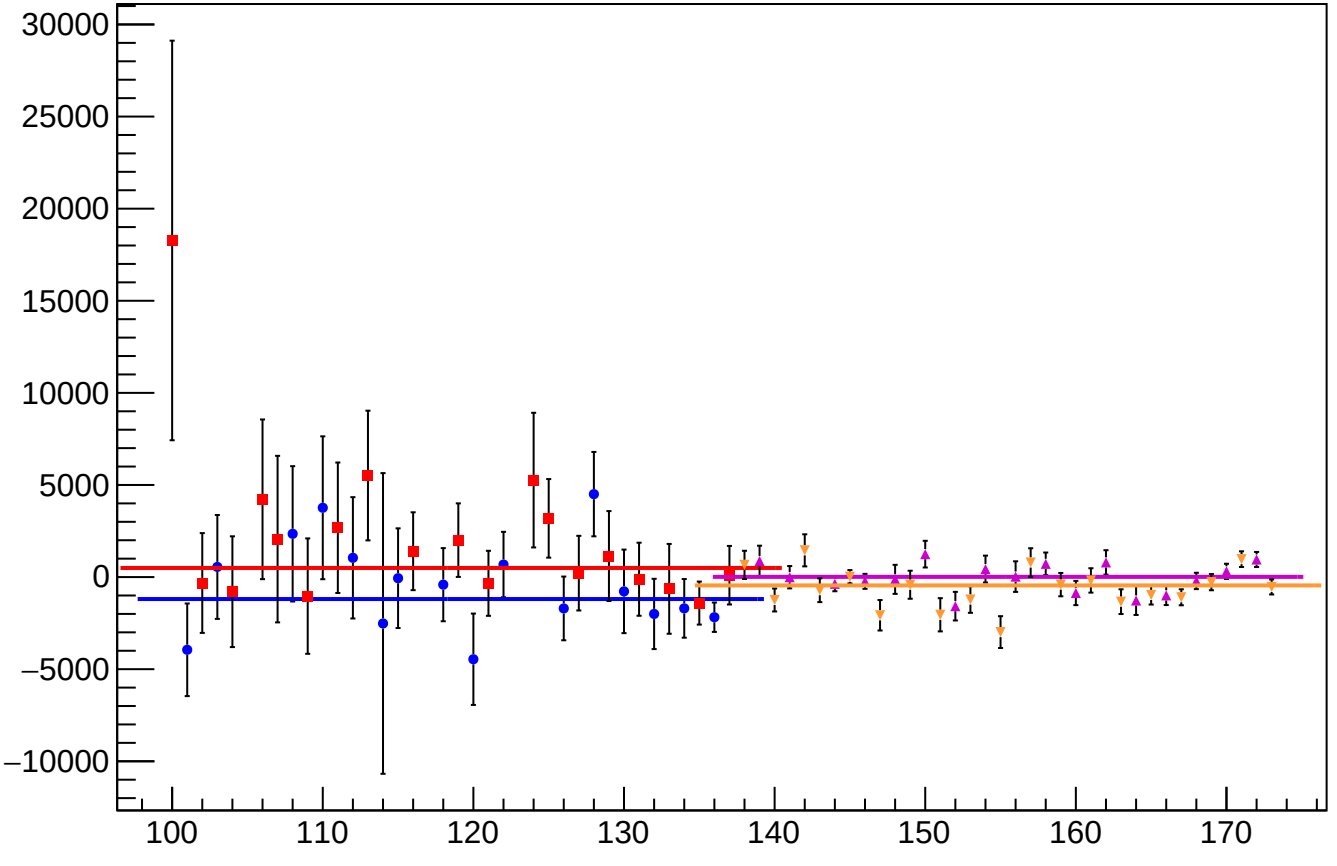
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 86.980+/-0.014 χ^2/NDF:3093452.0/32

Out: 86.262+/-0.014 χ^2/NDF:3736902.9/37

All: 86.610+/-0.010 χ^2/NDF: 6831721.2/70

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: -452.805+/-131.648 χ^2/NDF:46.2/18

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: 11.183+/-135.812 χ^2/NDF:26.6/16

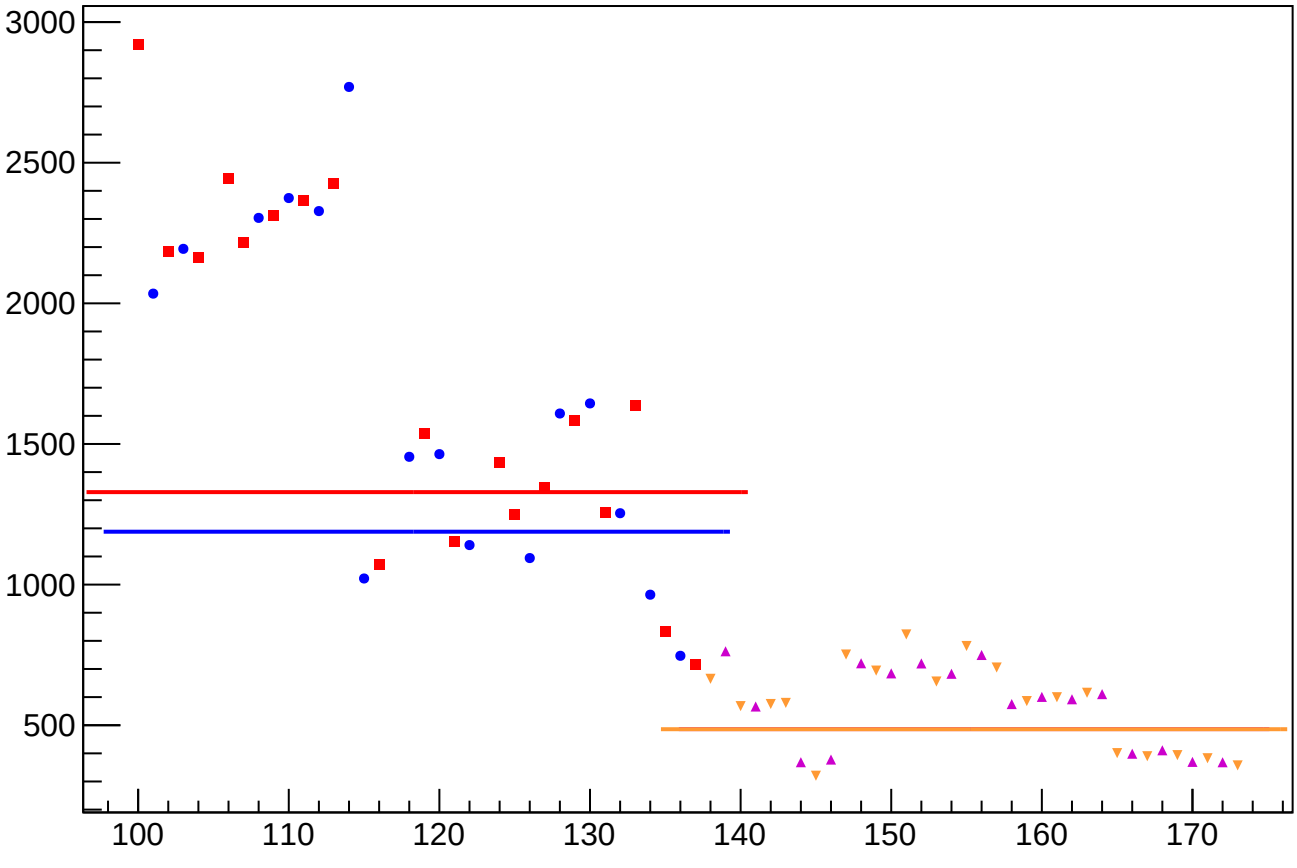
Left: -228.032+/-94.527 χ^2/NDF: 78.8/35

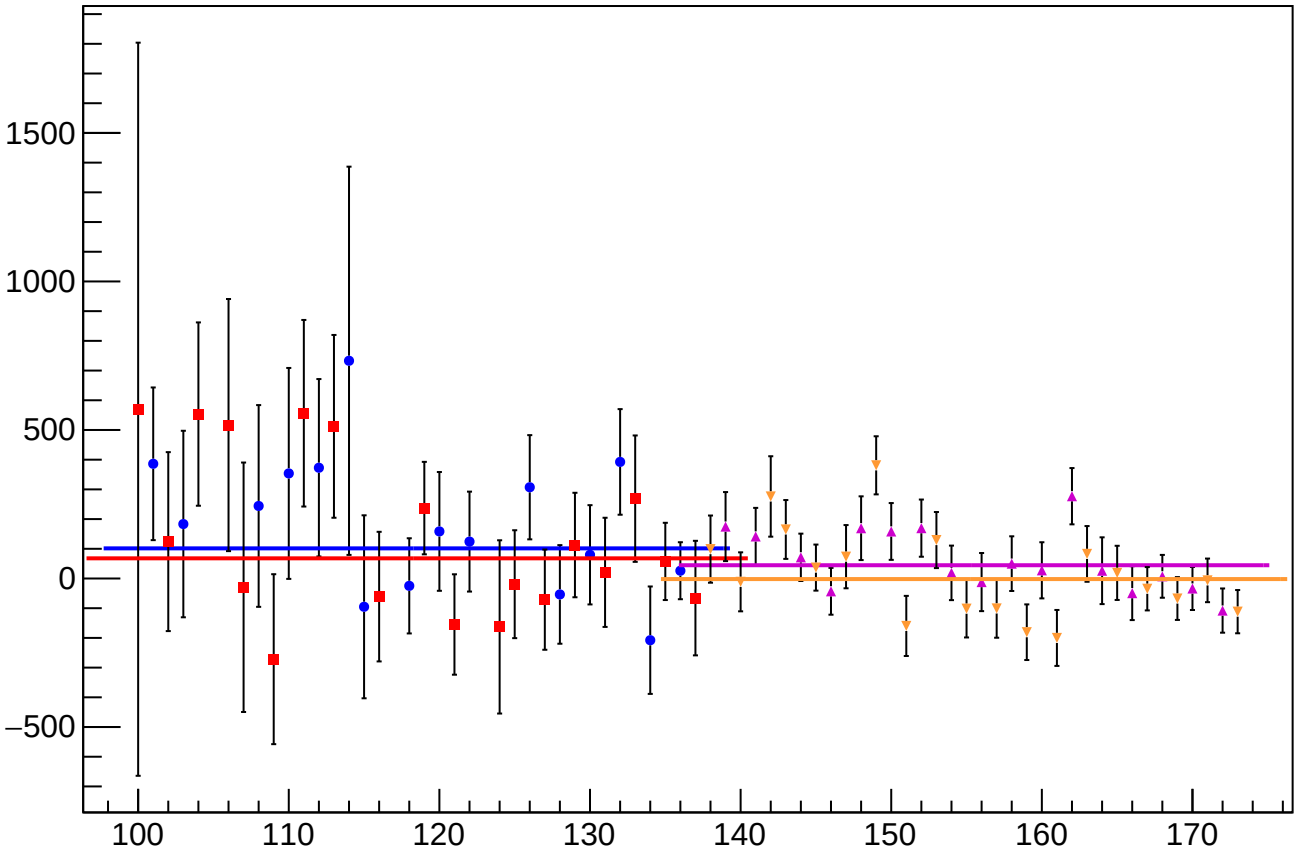
Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -78.389+/-130.660 χ^2/NDF:48.4/32

Out: -396.097+/-127.648 χ^2/NDF:63.1/37

All: -240.947+/-91.307 χ^2/NDF: 114.6/70


asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
Right In: 1188.069+/-0.339 χ²/NDF: 2044635.7/15
Left Out: 485.845+/-0.093 χ²/NDF:2505294.9/18
Right Out: 1328.816+/-0.369 χ²/NDF: 1957758.3/18
Left In: 486.260+/-0.096 χ²/NDF:2064275.2/16
Left: 486.046+/-0.067 χ²/NDF: 4569579.7/35
Right: 1252.427+/-0.249 χ²/NDF: 4081382.8/34
In: 538.500+/-0.092 χ²/NDF:8084219.5/32
Out: 536.300+/-0.090 χ²/NDF:9371191.6/37
All: 537.374+/-0.065 χ²/NDF: 17455701.1/70



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: -1.925+/-20.717 χ^2/NDF:42.6/18

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 44.664+/-21.648 χ^2/NDF:21.3/16

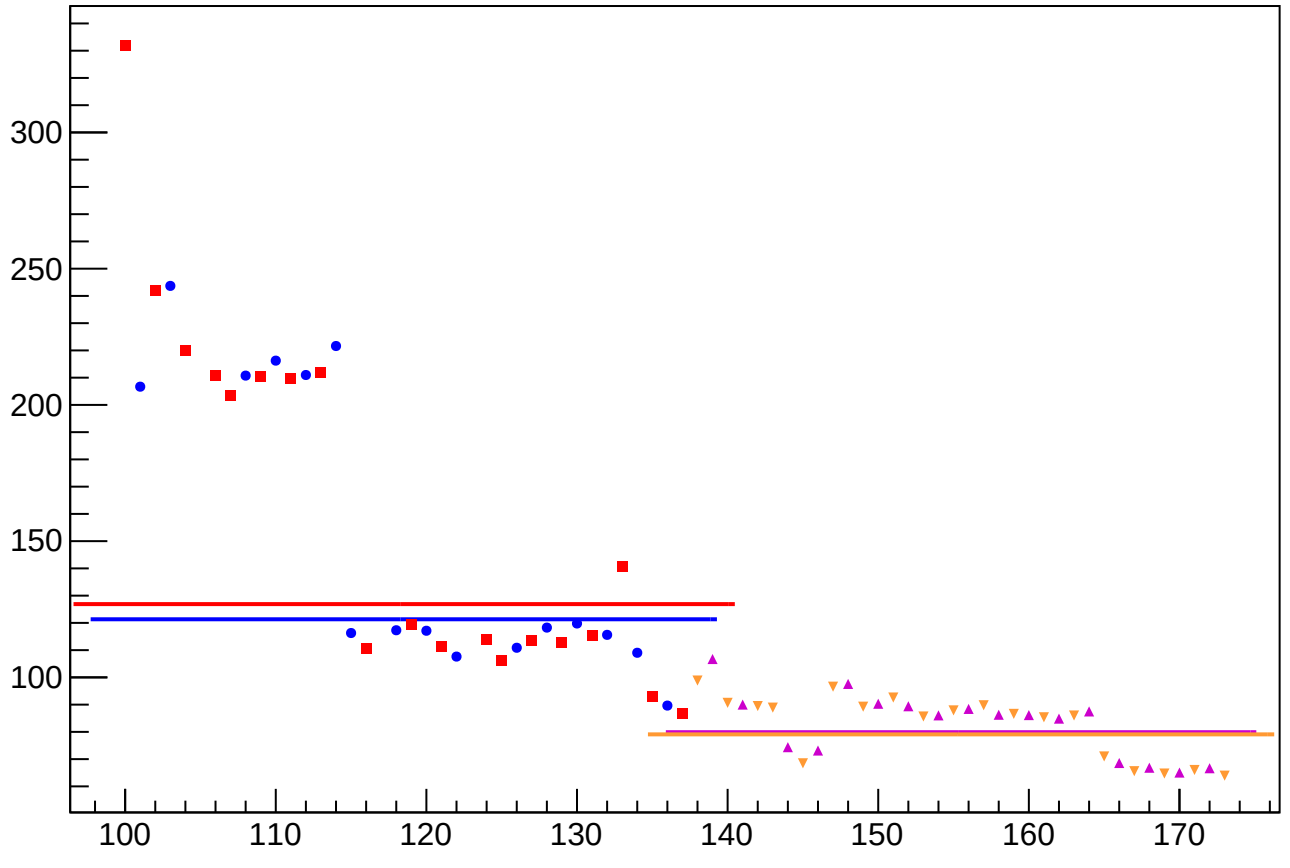
Left: 20.346+/-14.967 χ^2/NDF: 66.3/35

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 54.386+/-19.708 χ^2/NDF:35.8/32

Out: 8.541+/-19.101 χ^2/NDF:60.4/37

All: 30.746+/-13.716 χ^2/NDF: 99.0/70



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 79.086+/-0.015 χ^2/NDF:664947.5/18

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 79.885+/-0.015 χ^2/NDF:552044.6/16

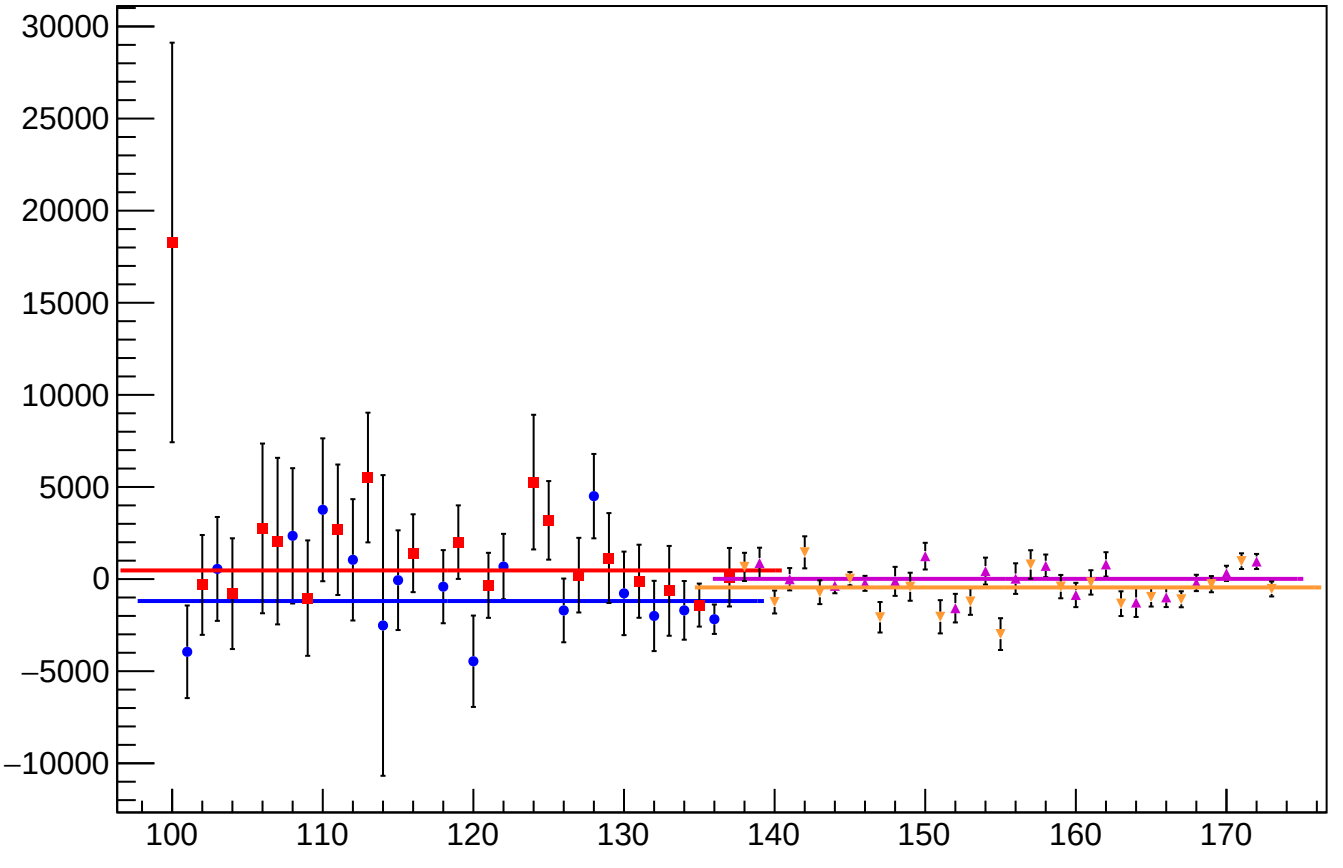
Left: 79.468+/-0.011 χ^2/NDF: 1218411.4/35

Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 86.980+/-0.014 χ^2/NDF:3093454.1/32

Out: 86.254+/-0.014 χ^2/NDF:3727276.6/37

All: 86.605+/-0.010 χ^2/NDF: 6822128.5/70



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -452.801+/-131.648 χ^2/NDF:46.2/18

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 11.184+/-135.812 χ^2/NDF:26.6/16

Left: -228.030+/-94.527 χ^2/NDF: 78.8/35

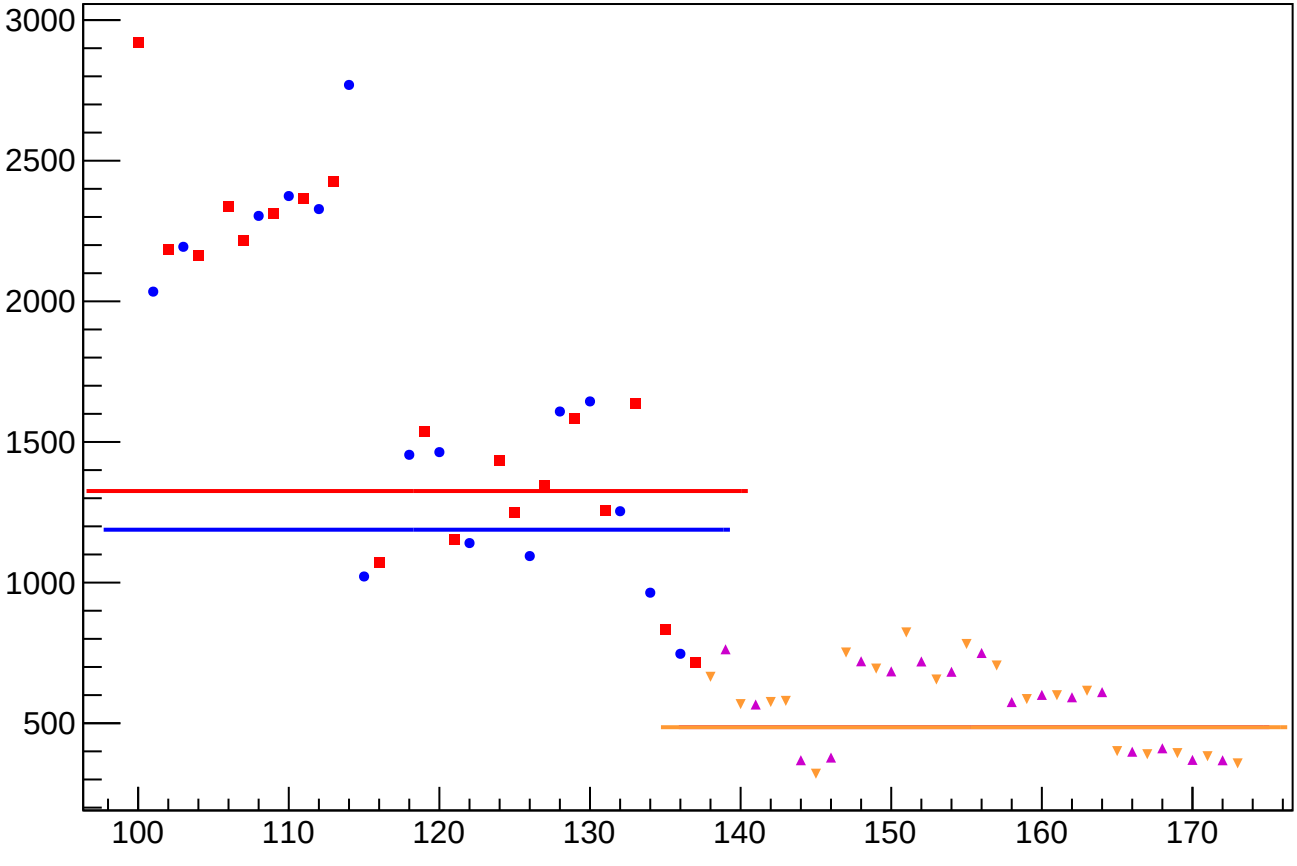
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -78.387+/-130.660 χ^2/NDF:48.4/32

Out: -397.672+/-127.654 χ^2/NDF:62.5/37

All: -241.744+/-91.309 χ^2/NDF: 113.9/70

asym_sam_26_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 485.845+/-0.093 χ^2/NDF:2505301.6/18

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 486.260+/-0.096 χ^2/NDF:2064273.5/16

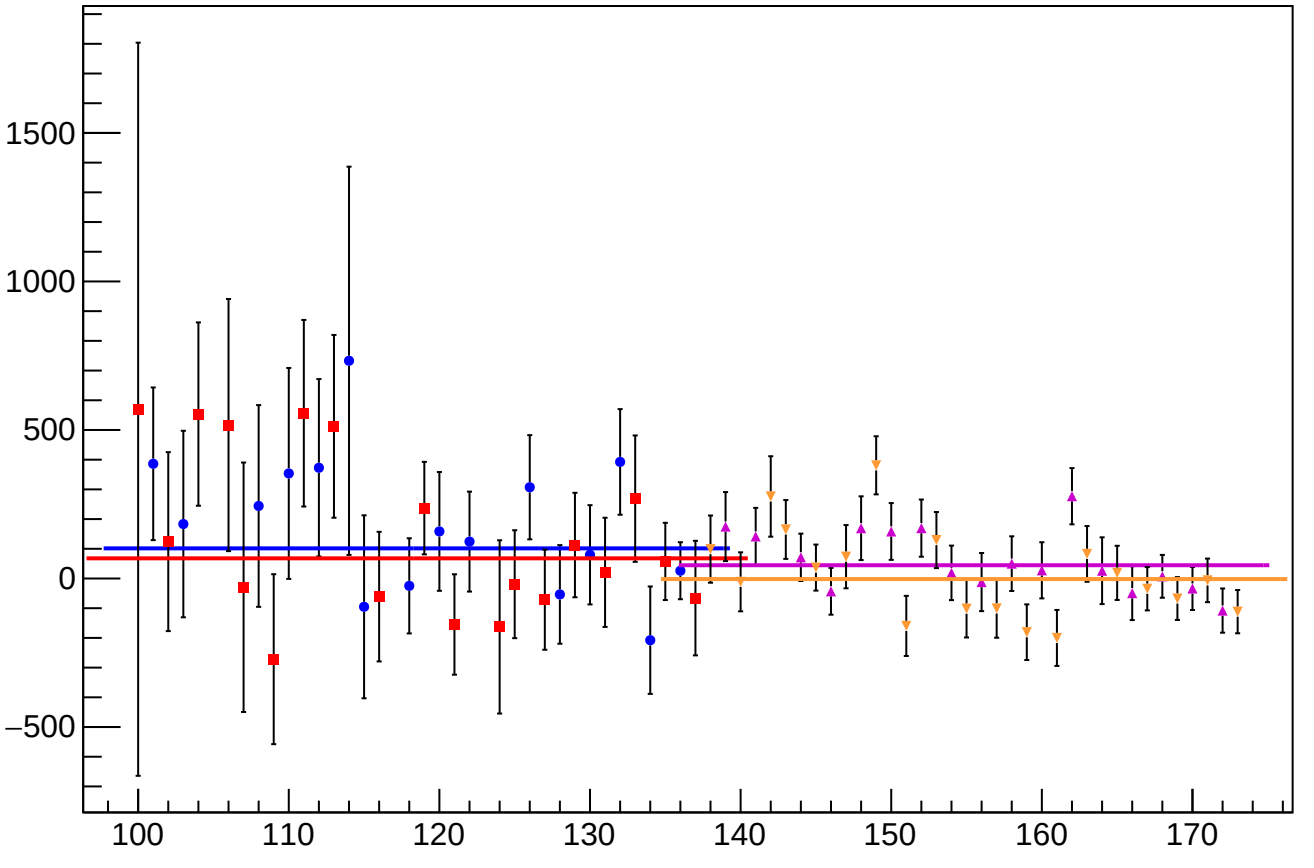
Left: 486.046+/-0.067 χ^2/NDF: 4569584.8/35

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 538.500+/-0.092 χ^2/NDF:8084232.3/32

Out: 536.024+/-0.090 χ^2/NDF:9288785.6/37

All: 537.233+/-0.065 χ^2/NDF: 17373385.2/70



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: -1.925+/-20.717 χ^2/NDF:42.6/18

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 44.664+/-21.648 χ^2/NDF:21.3/16

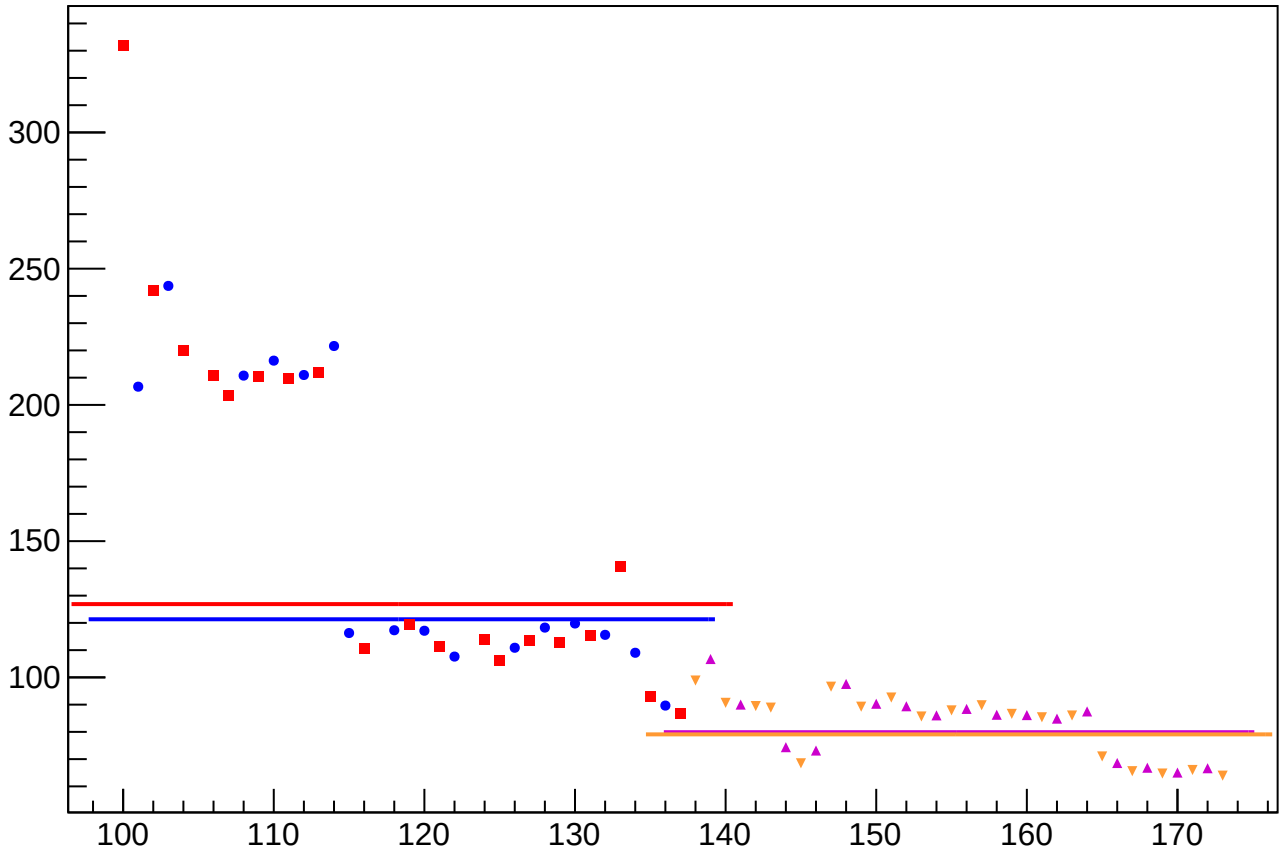
Left: 20.346+/-14.967 χ^2/NDF: 66.3/35

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 54.386+/-19.708 χ^2/NDF:35.8/32

Out: 8.541+/-19.101 χ^2/NDF:60.4/37

All: 30.746+/-13.716 χ^2/NDF: 99.0/70



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 79.086+/-0.015 χ^2/NDF:664947.5/18

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 79.885+/-0.015 χ^2/NDF:552044.6/16

Left: 79.468+/-0.011 χ^2/NDF: 1218411.4/35

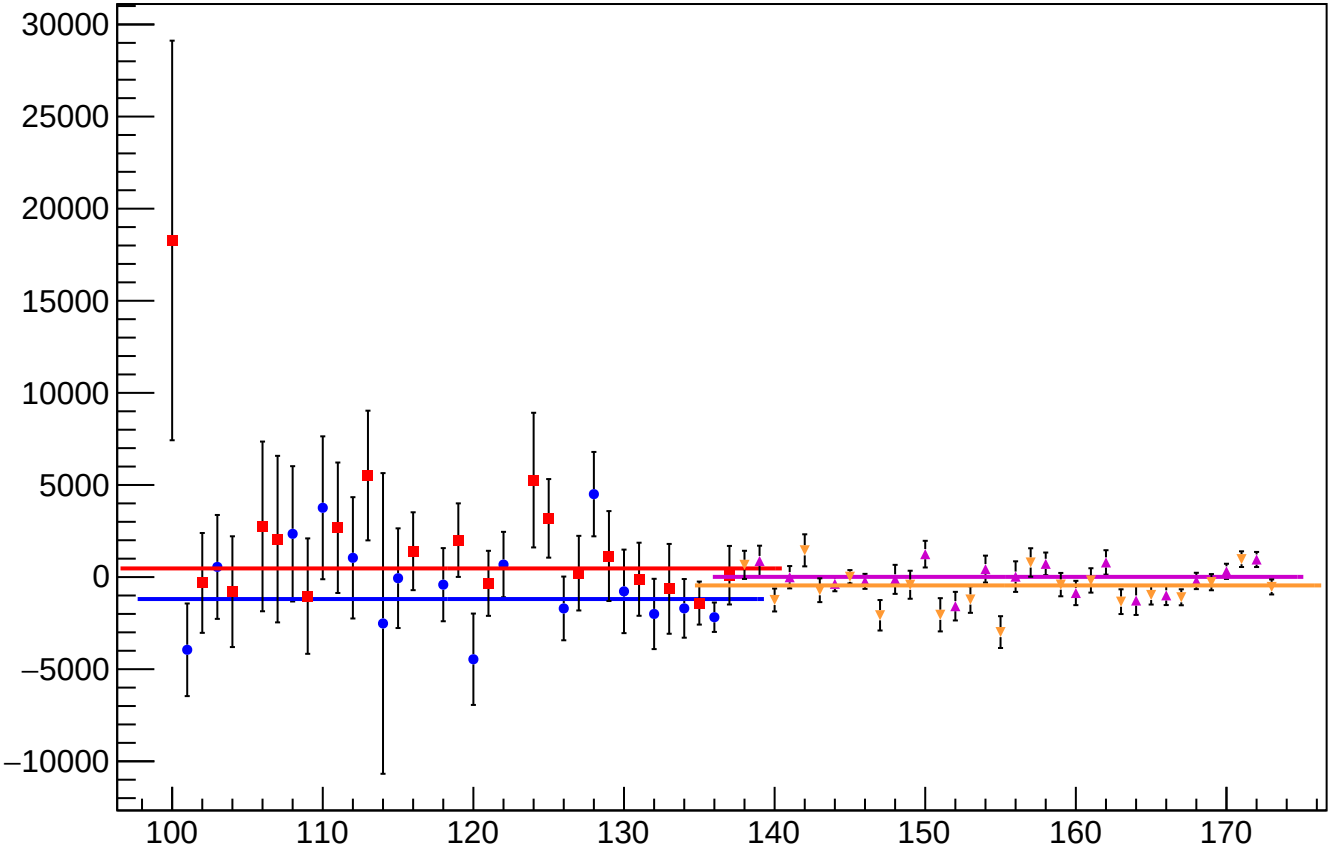
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 86.980+/-0.014 χ^2/NDF:3093454.1/32

Out: 86.254+/-0.014 χ^2/NDF:3727276.6/37

All: 86.605+/-0.010 χ^2/NDF: 6822128.5/70

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: -452.801+/-131.648 χ^2/NDF:46.2/18

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 11.184+/-135.812 χ^2/NDF:26.6/16

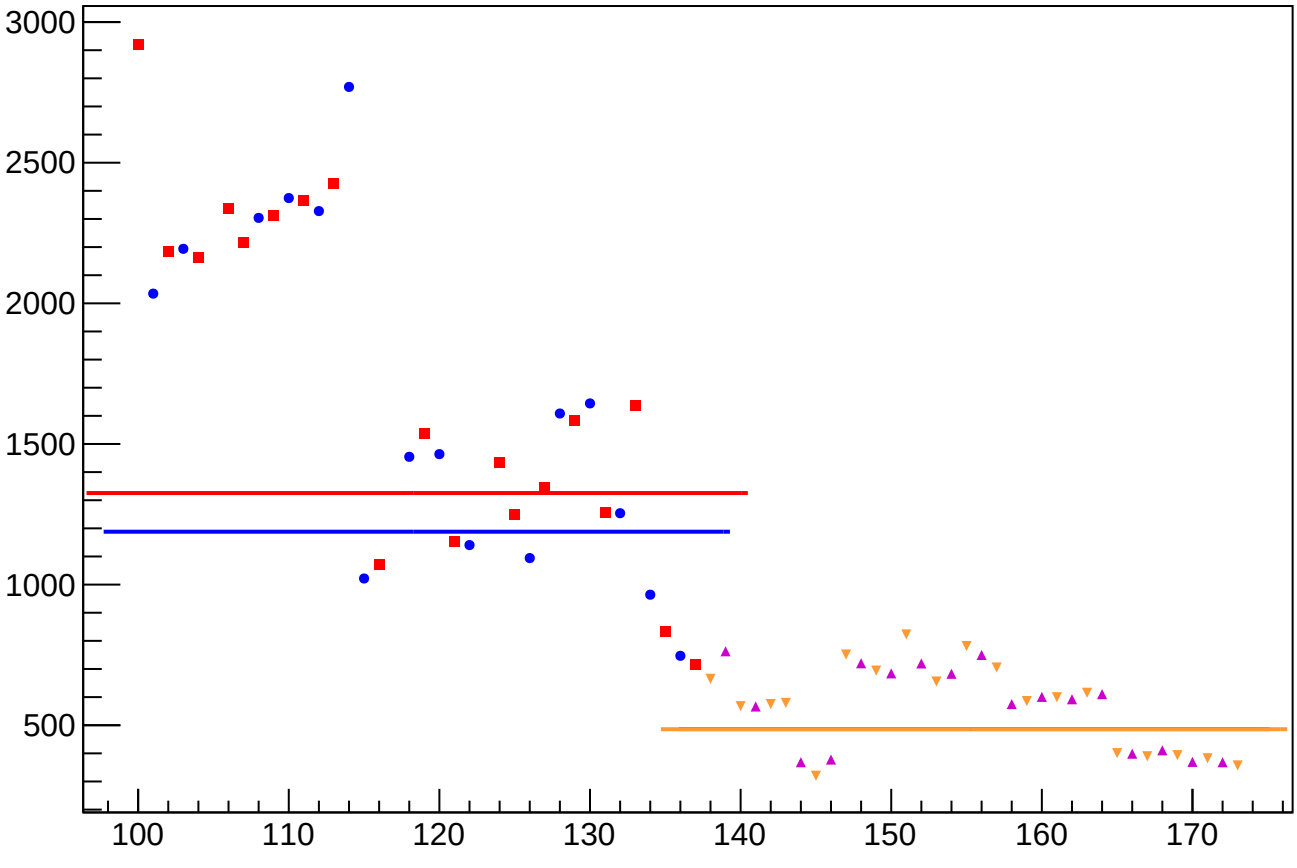
Left: -228.030+/-94.527 χ^2/NDF: 78.8/35

Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -78.387+/-130.660 χ^2/NDF:48.4/32

Out: -397.672+/-127.654 χ^2/NDF:62.5/37

All: -241.744+/-91.309 χ^2/NDF: 113.9/70


asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
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500
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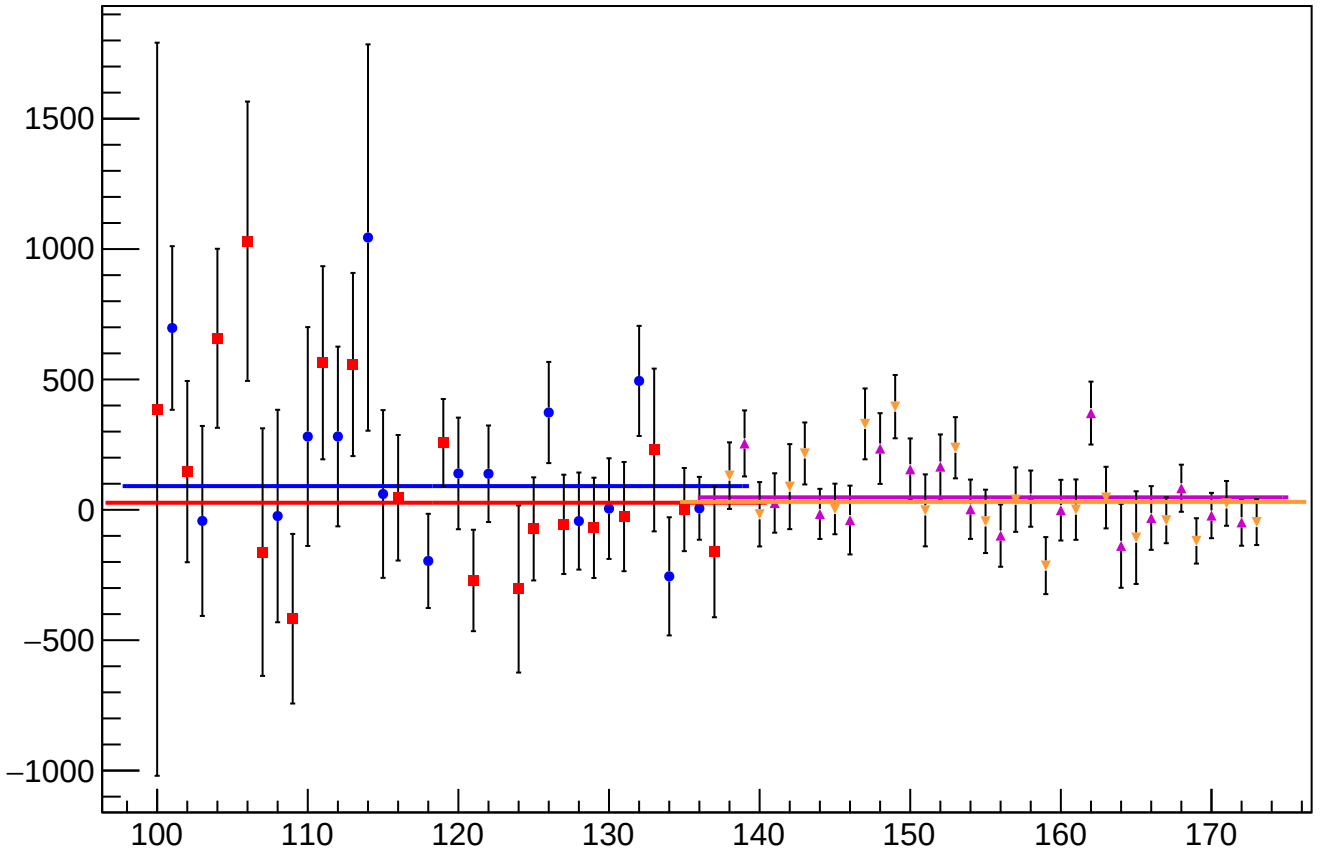
120
130
140
150
160
170
Right In: 1188.069+/-0.339 χ²/NDF: 2044666.3/15
Left Out: 485.845+/-0.093 χ²/NDF:2505301.6/18
Right Out: 1325.564+/-0.369 χ²/NDF: 1920986.7/18
Left In: 486.260+/-0.096 χ²/NDF:2064273.5/16
Left: 486.046+/-0.067 χ²/NDF: 4569584.8/35
Right: 1250.882+/-0.250 χ²/NDF: 4040963.9/34
In: 538.500+/-0.092 χ²/NDF:8084232.3/32
Out: 536.024+/-0.090 χ²/NDF:9288785.6/37
All: 537.233+/-0.065 χ²/NDF: 17373385.2/70



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 30.390+/-25.740 χ^2/NDF:30.9/18

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 47.858+/-27.147 χ^2/NDF:19.9/16

Left: 38.660+/-18.678 χ^2/NDF: 51.1/35

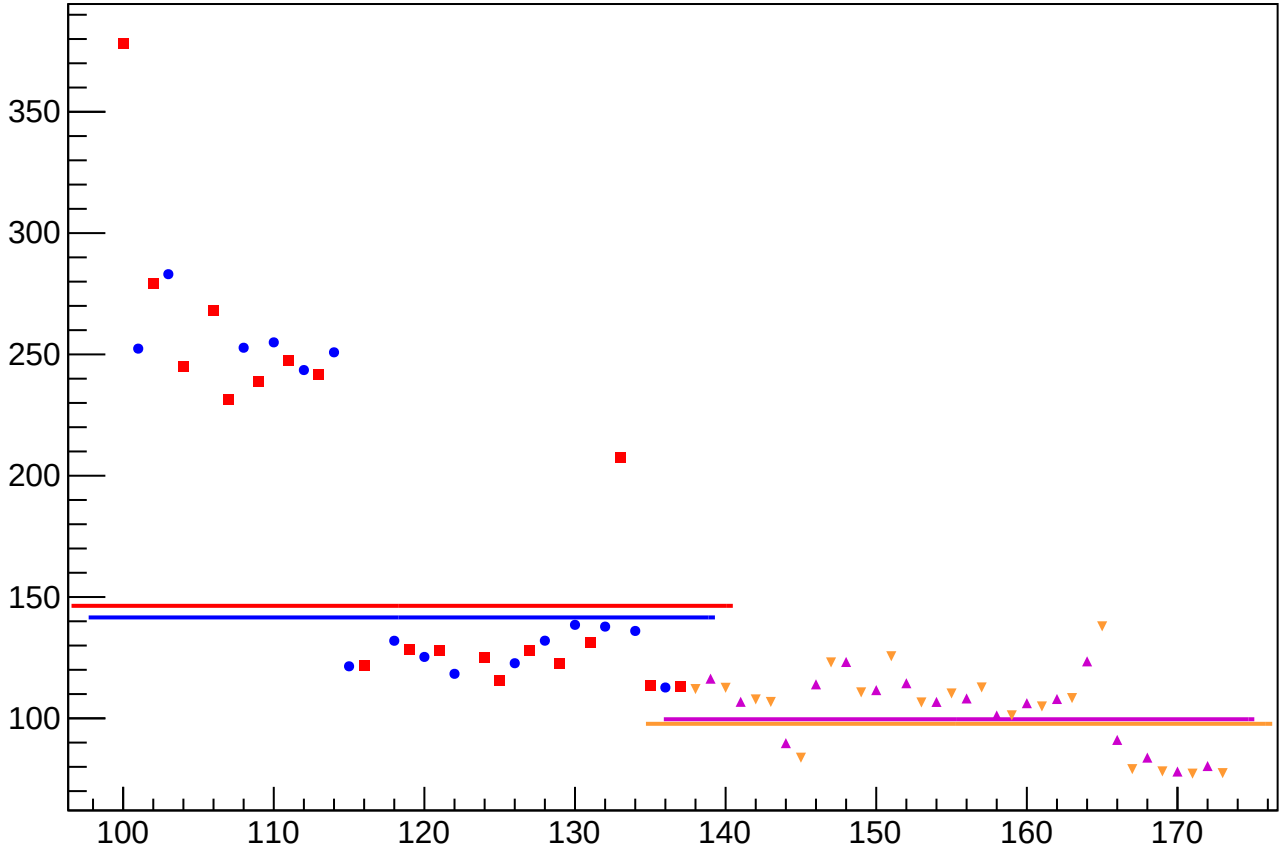
Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 56.154+/-24.392 χ^2/NDF:38.5/32

Out: 29.845+/-23.460 χ^2/NDF:51.5/37

All: 42.487+/-16.908 χ^2/NDF: 90.6/70

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 97.742+/-0.018 χ^2/NDF:890735.1/18

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 99.620+/-0.019 χ^2/NDF:562793.2/16

Left: 98.631+/-0.013 χ^2/NDF: 1458567.2/35

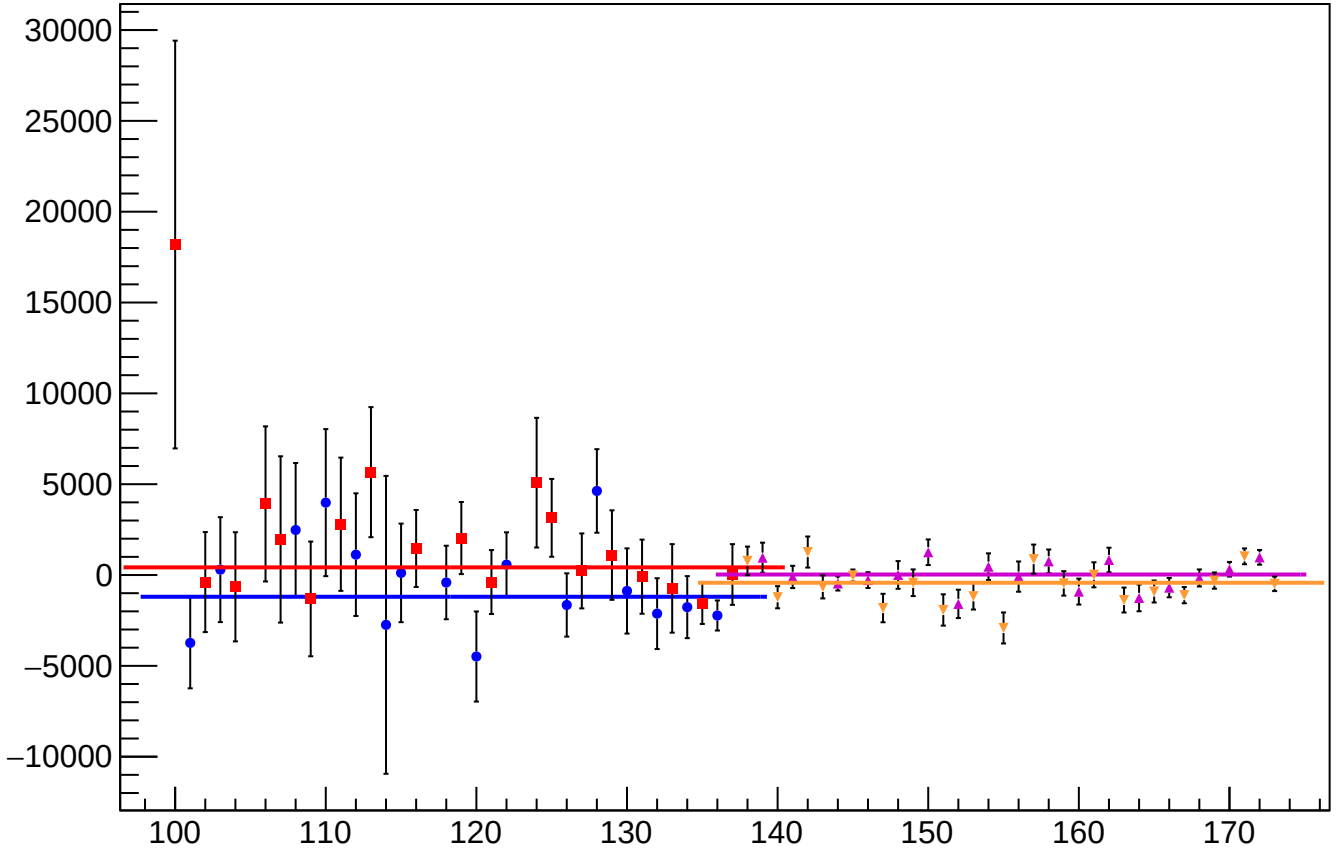
Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 107.707+/-0.017 χ^2/NDF:2746183.4/32

Out: 105.975+/-0.017 χ^2/NDF:3612852.5/37

All: 106.807+/-0.012 χ^2/NDF: 6364275.1/70

asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -425.210+/-131.845 χ^2/NDF:44.4/18

Right Out: 422.161+/-523.834 χ^2/NDF: 14.3/18

Left In: 27.353+/-136.933 χ^2/NDF:26.5/16

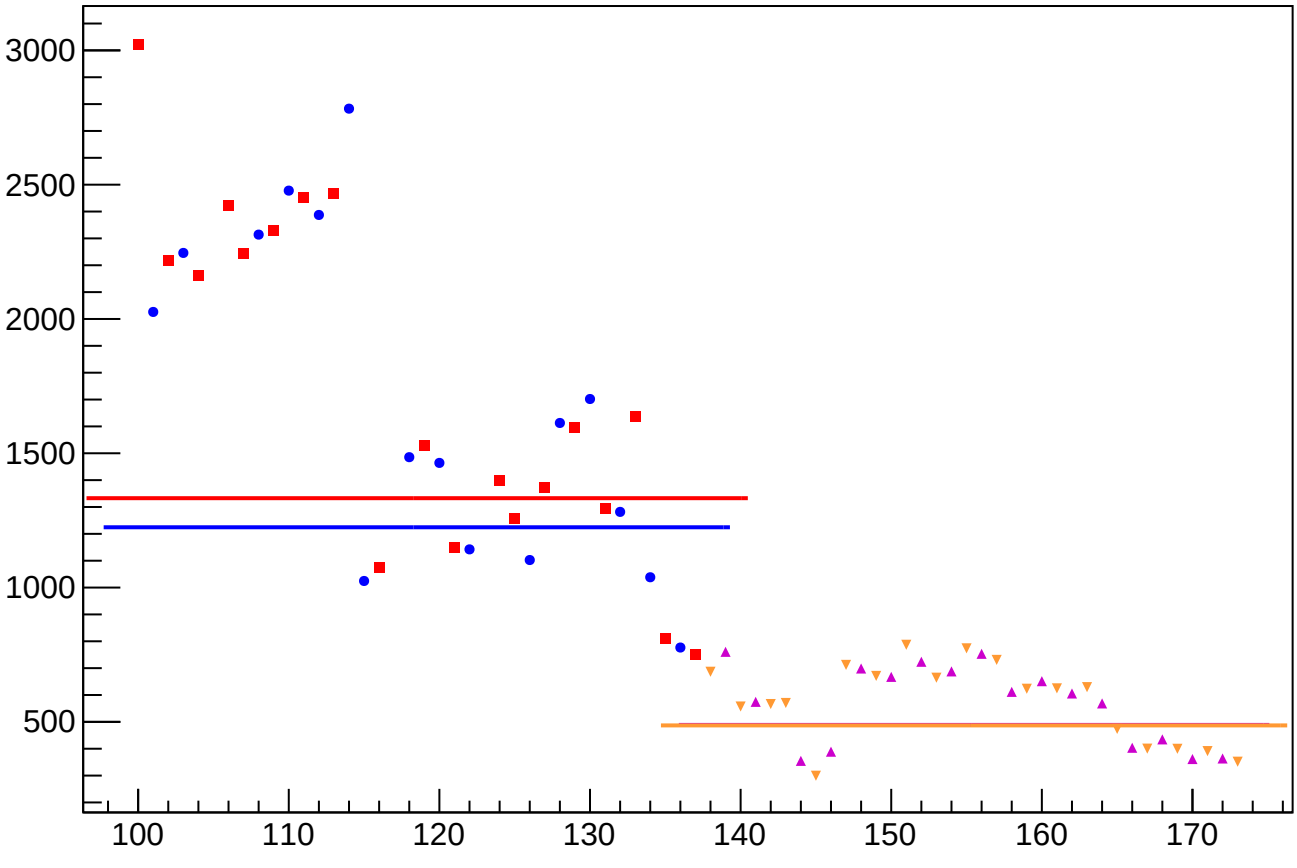
Left: -207.492+/-94.976 χ^2/NDF: 76.6/35

Right: -438.942+/-358.384 χ^2/NDF: 35.3/34

In: -60.849+/-131.907 χ^2/NDF:48.2/32

Out: -374.728+/-127.857 χ^2/NDF:61.1/37

All: -222.681+/-91.807 χ^2/NDF: 112.3/70



Right In: 1224.470+/-0.347 χ^2/NDF: 1959362.3/15

Left Out: 486.815+/-0.093 χ^2/NDF:2626007.3/18

Right Out: 1332.785+/-0.370 χ^2/NDF: 1994811.5/18

Left In: 488.662+/-0.097 χ^2/NDF:2132593.1/16

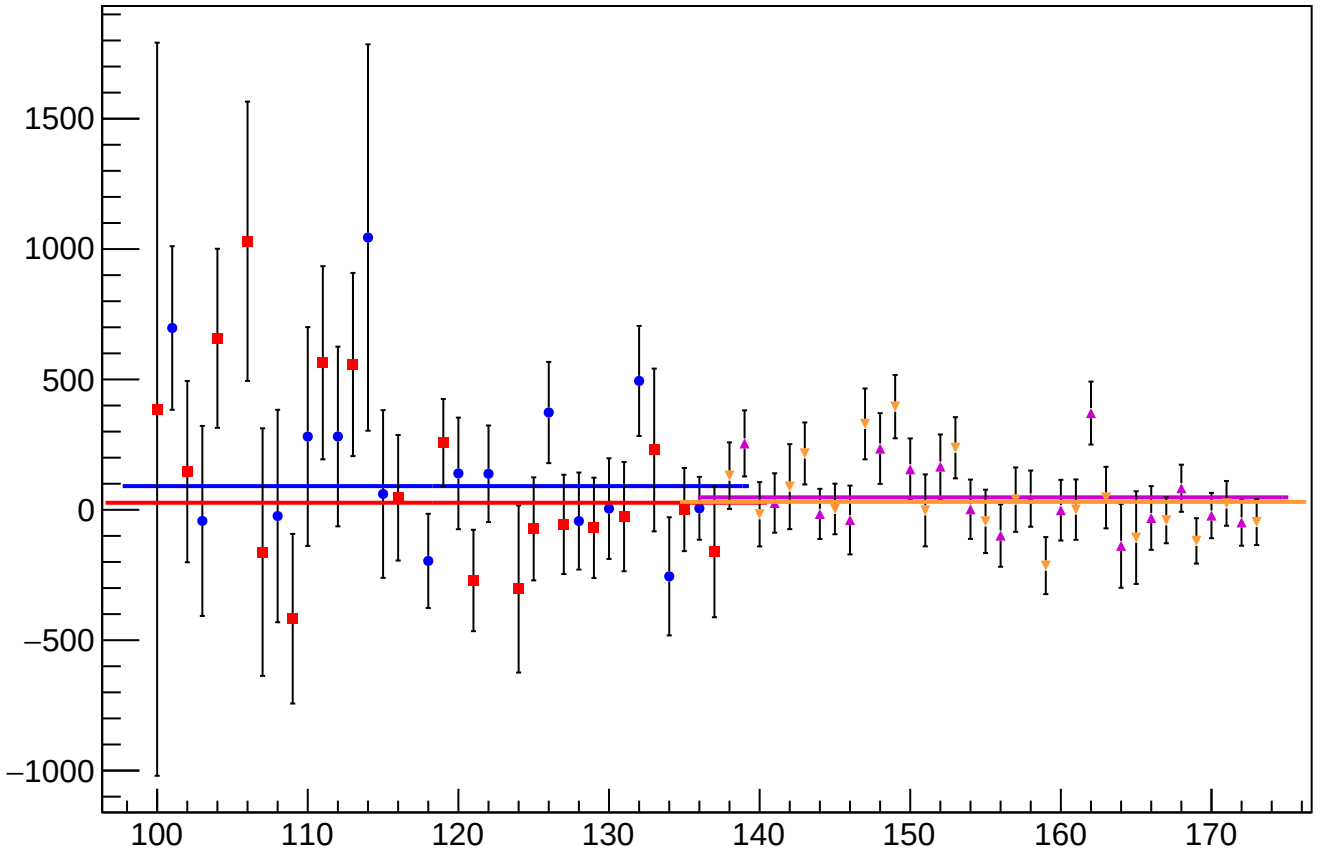
Left: 487.704+/-0.067 χ^2/NDF: 4758789.3/35

Right: 1275.169+/-0.253 χ^2/NDF: 3999659.2/34

In: 541.684+/-0.093 χ^2/NDF:8253331.0/32

Out: 537.213+/-0.090 χ^2/NDF:9526246.3/37

All: 539.379+/-0.065 χ^2/NDF: 17780762.0/70



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 30.388+/-25.740 χ^2/NDF:30.9/18

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 47.857+/-27.147 χ^2/NDF:19.9/16

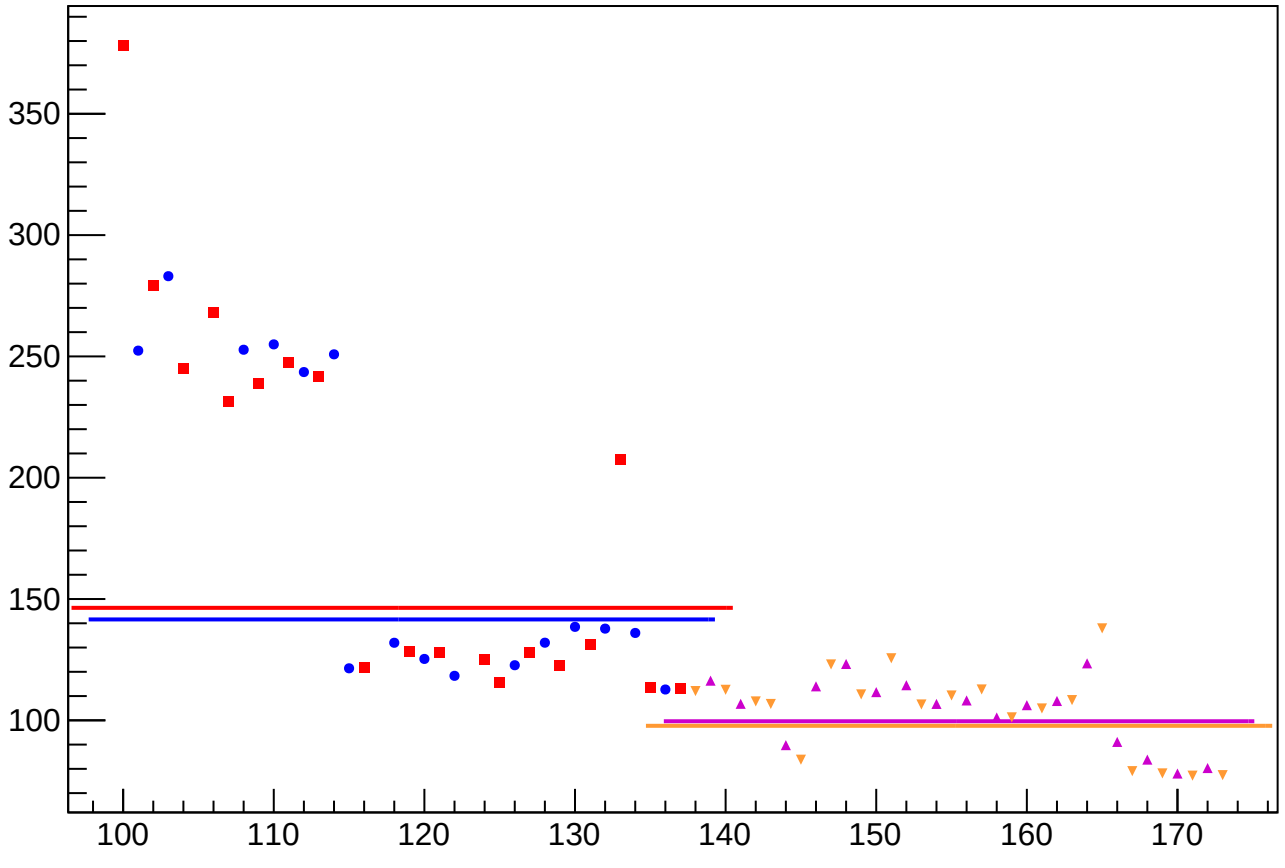
Left: 38.658+/-18.678 χ^2/NDF: 51.1/35

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 56.153+/-24.392 χ^2/NDF:38.5/32

Out: 29.843+/-23.460 χ^2/NDF:51.5/37

All: 42.486+/-16.908 χ^2/NDF: 90.6/70



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 97.742+/-0.018 χ^2/NDF:890731.9/18

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 99.620+/-0.019 χ^2/NDF:562785.0/16

Left: 98.631+/-0.013 χ^2/NDF: 1458556.5/35

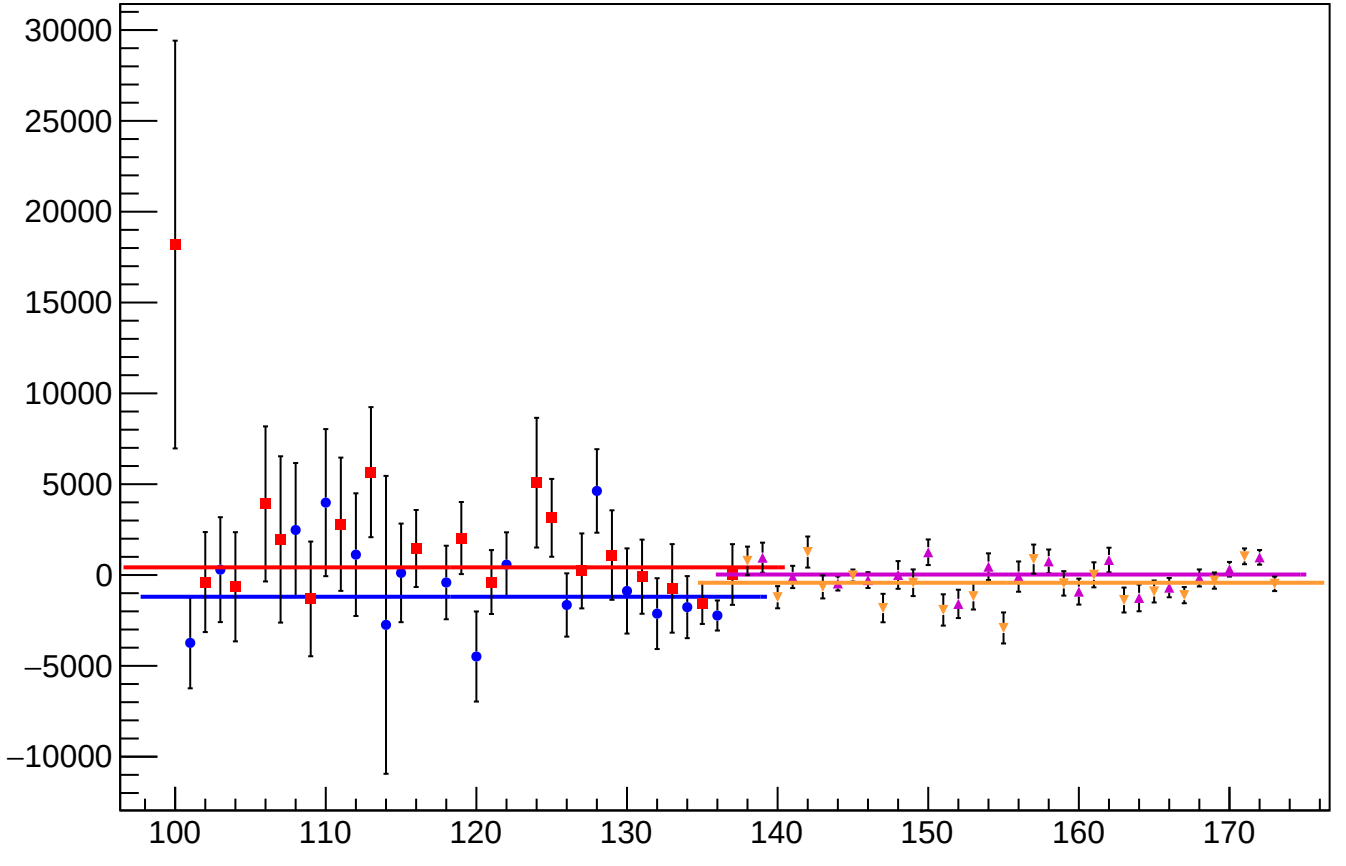
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 107.707+/-0.017 χ^2/NDF:2746118.2/32

Out: 105.975+/-0.017 χ^2/NDF:3612809.2/37

All: 106.807+/-0.012 χ^2/NDF: 6364167.1/70

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -425.209+/-131.845 χ^2/NDF:44.4/18

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: 27.352+/-136.932 χ^2/NDF:26.5/16

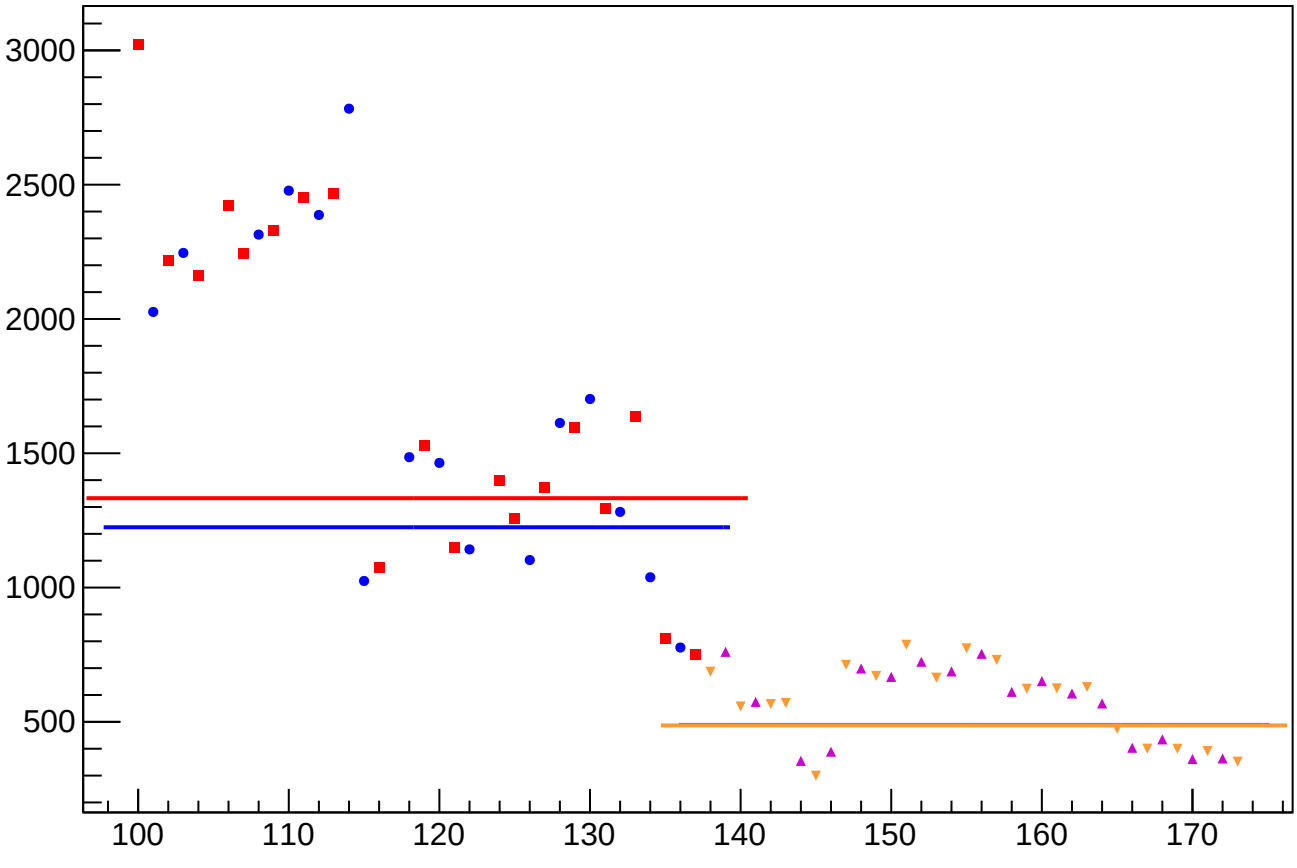
Left: -207.492+/-94.976 χ^2/NDF: 76.6/35

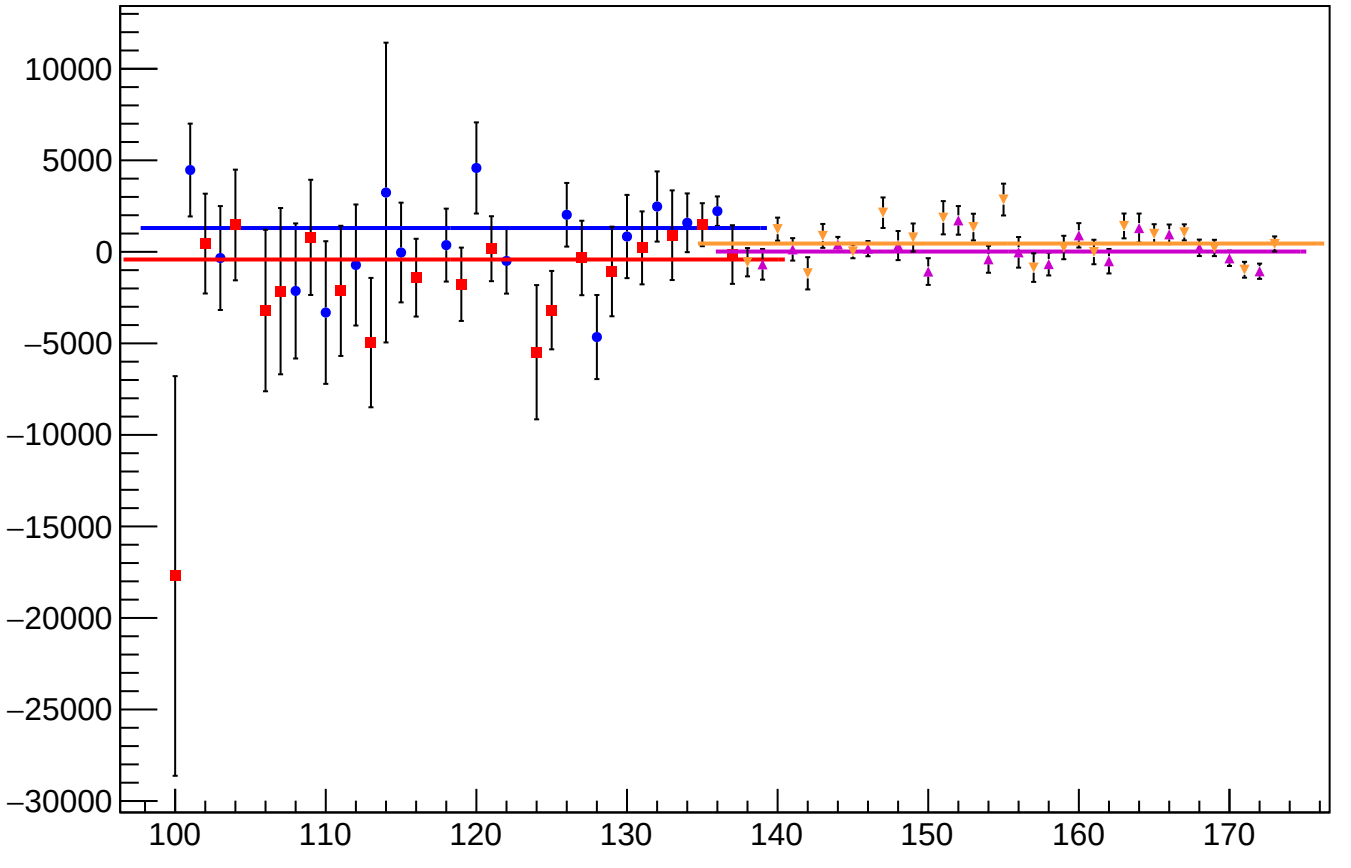
Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -60.850+/-131.906 χ^2/NDF:48.2/32

Out: -374.727+/-127.857 χ^2/NDF:61.1/37

All: -222.680+/-91.807 χ^2/NDF: 112.3/70


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
170
Right In: 1224.470+/-0.347 χ²/NDF: 1959341.1/15
Left Out: 486.814+/-0.093 χ²/NDF:2626036.4/18
Right Out: 1332.784+/-0.370 χ²/NDF: 1994794.3/18
Left In: 488.661+/-0.097 χ²/NDF:2132611.6/16
Left: 487.703+/-0.067 χ²/NDF: 4758836.9/35
Right: 1275.168+/-0.253 χ²/NDF: 3999620.7/34
In: 541.683+/-0.093 χ²/NDF:8253341.7/32
Out: 537.212+/-0.090 χ²/NDF:9526272.1/37
All: 539.378+/-0.065 χ²/NDF: 17780798.6/70



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 453.550+/-133.492 χ^2/NDF:43.9/18

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: 15.923+/-137.798 χ^2/NDF:26.2/16

Left: 241.682+/-95.879 χ^2/NDF: 75.3/35

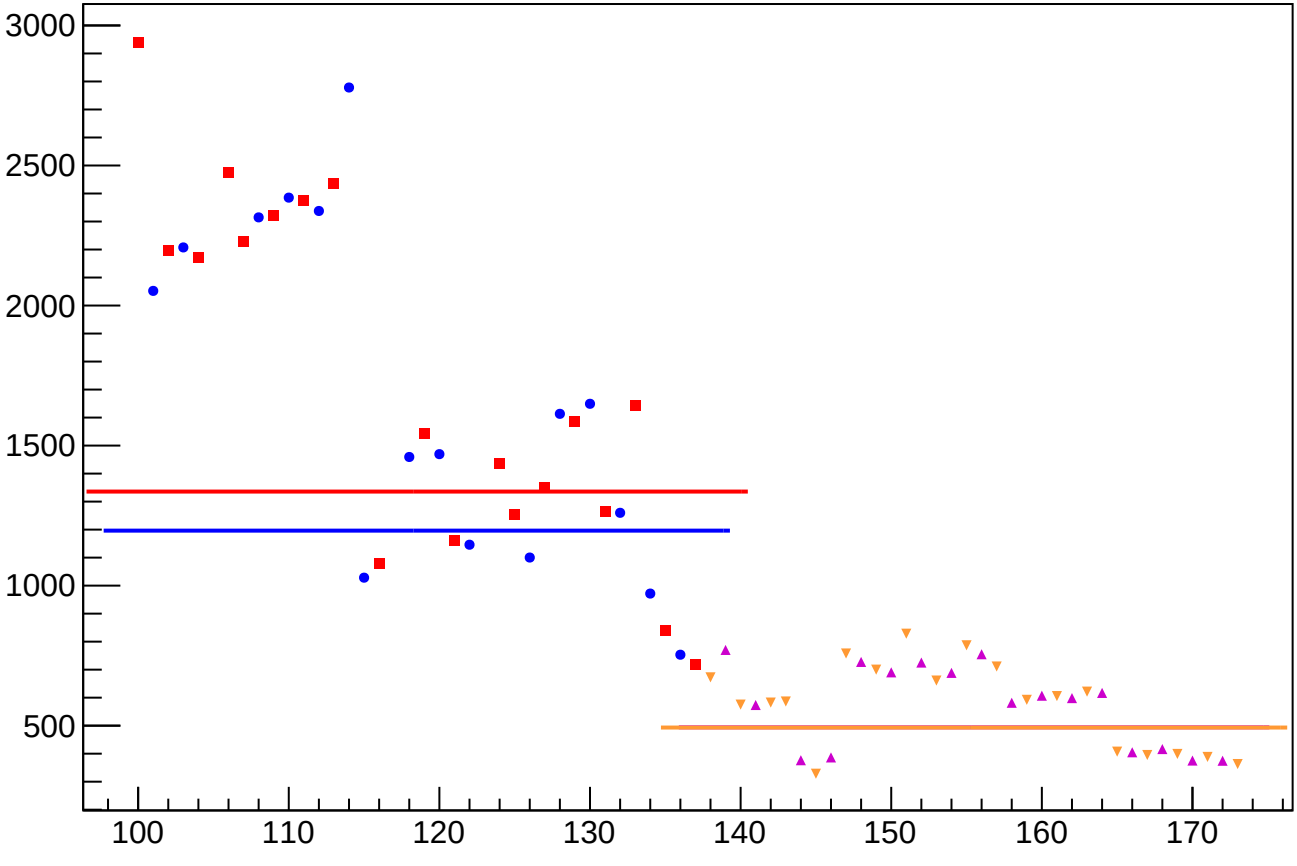
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 113.082+/-132.490 χ^2/NDF:49.2/32

Out: 400.514+/-129.368 χ^2/NDF:59.6/37

All: 260.224+/-92.561 χ^2/NDF: 111.2/70

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 493.284+/-0.094 χ^2/NDF:2439386.5/18

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 493.987+/-0.097 χ^2/NDF:2005771.0/16

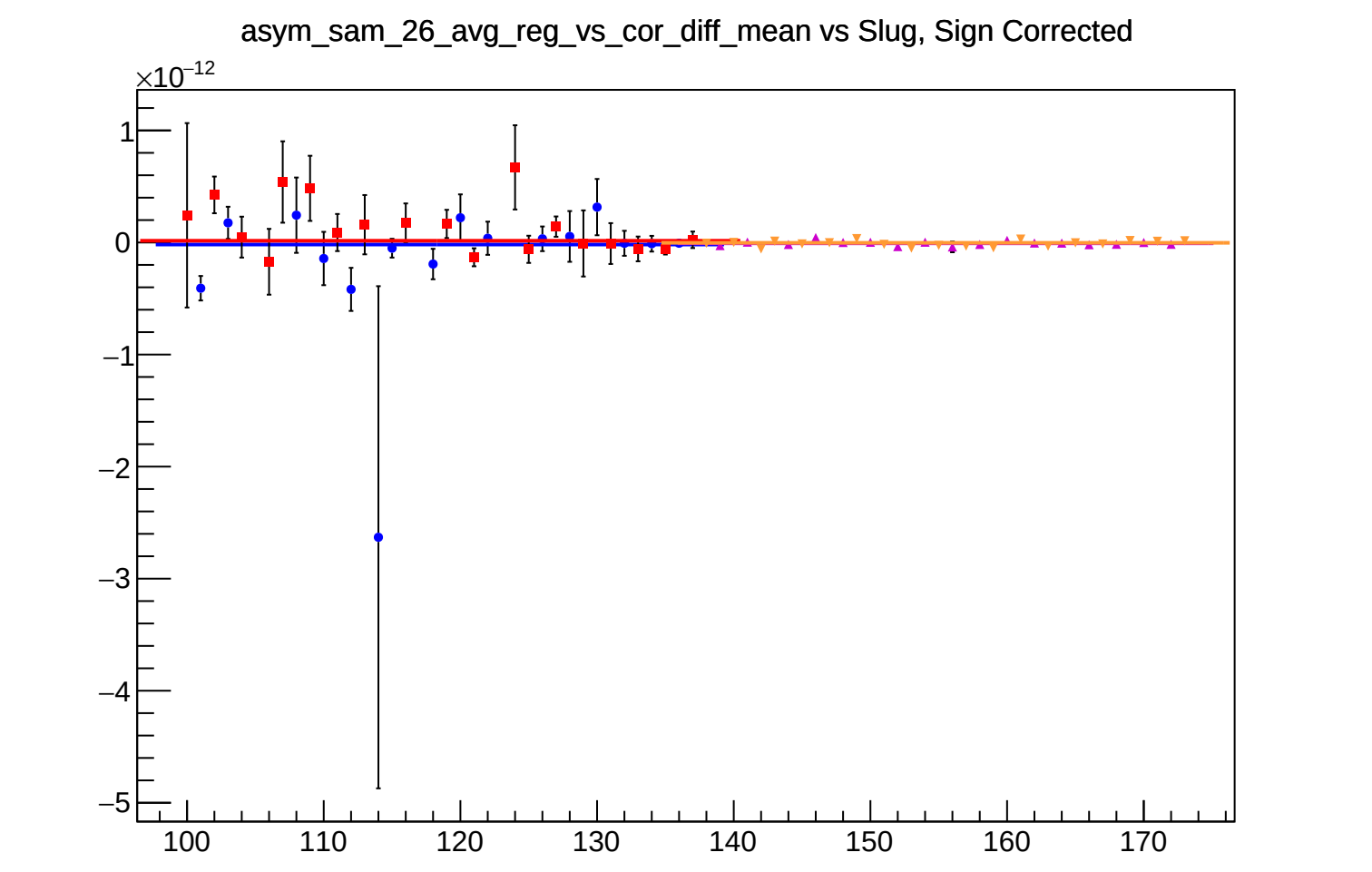
Left: 493.624+/-0.068 χ^2/NDF: 4445184.4/35

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 547.064+/-0.094 χ^2/NDF:7964033.7/32

Out: 544.537+/-0.091 χ^2/NDF:9237294.4/37

All: 545.771+/-0.065 χ^2/NDF: 17201700.7/70



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/16

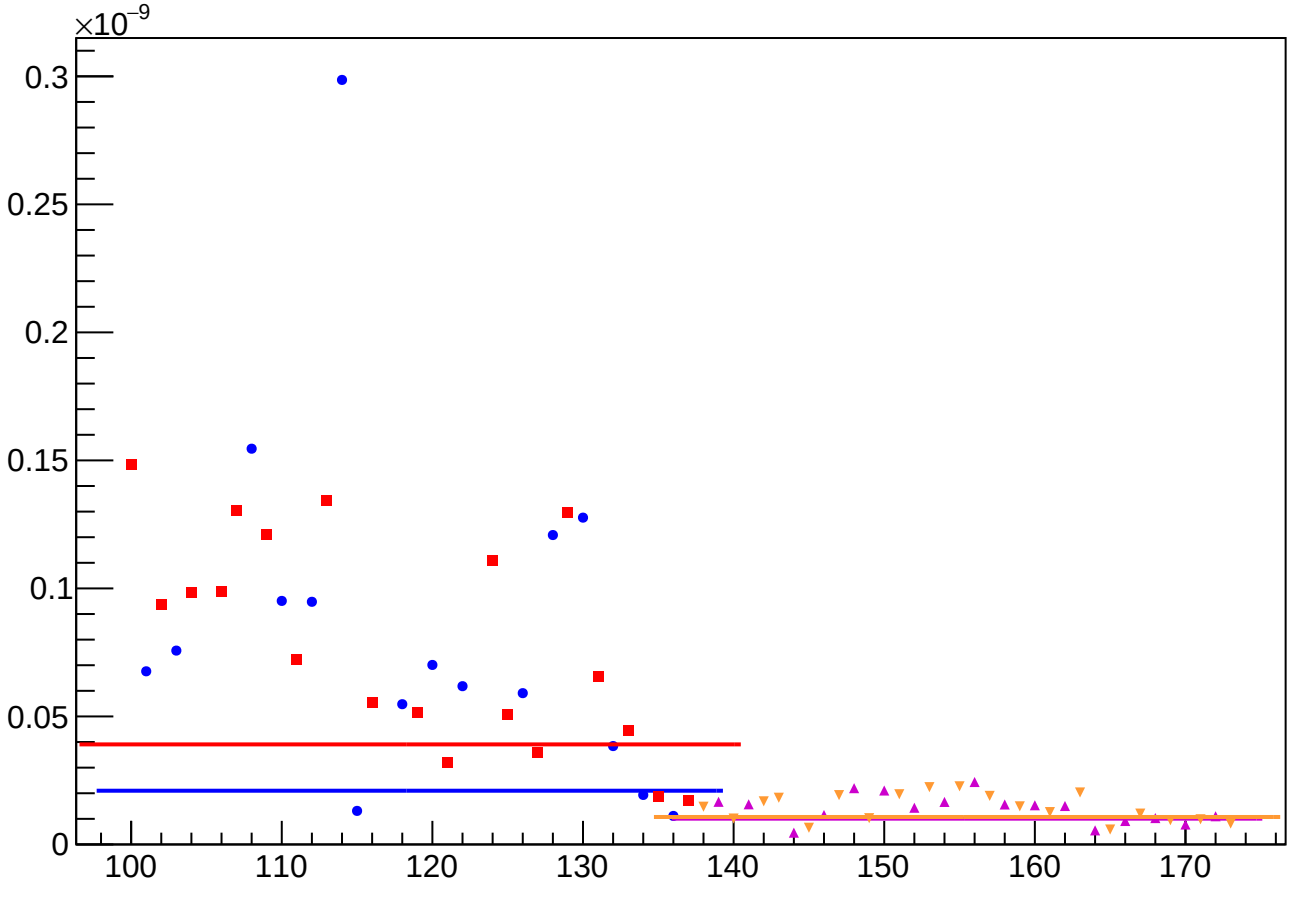
Left: -0.000+/-0.000 χ^2/NDF: 32.9/35

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:40.7/32

Out: -0.000+/-0.000 χ^2/NDF:45.0/37

All: -0.000+/-0.000 χ^2/NDF: 86.5/70



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1897824.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2072588.4/16

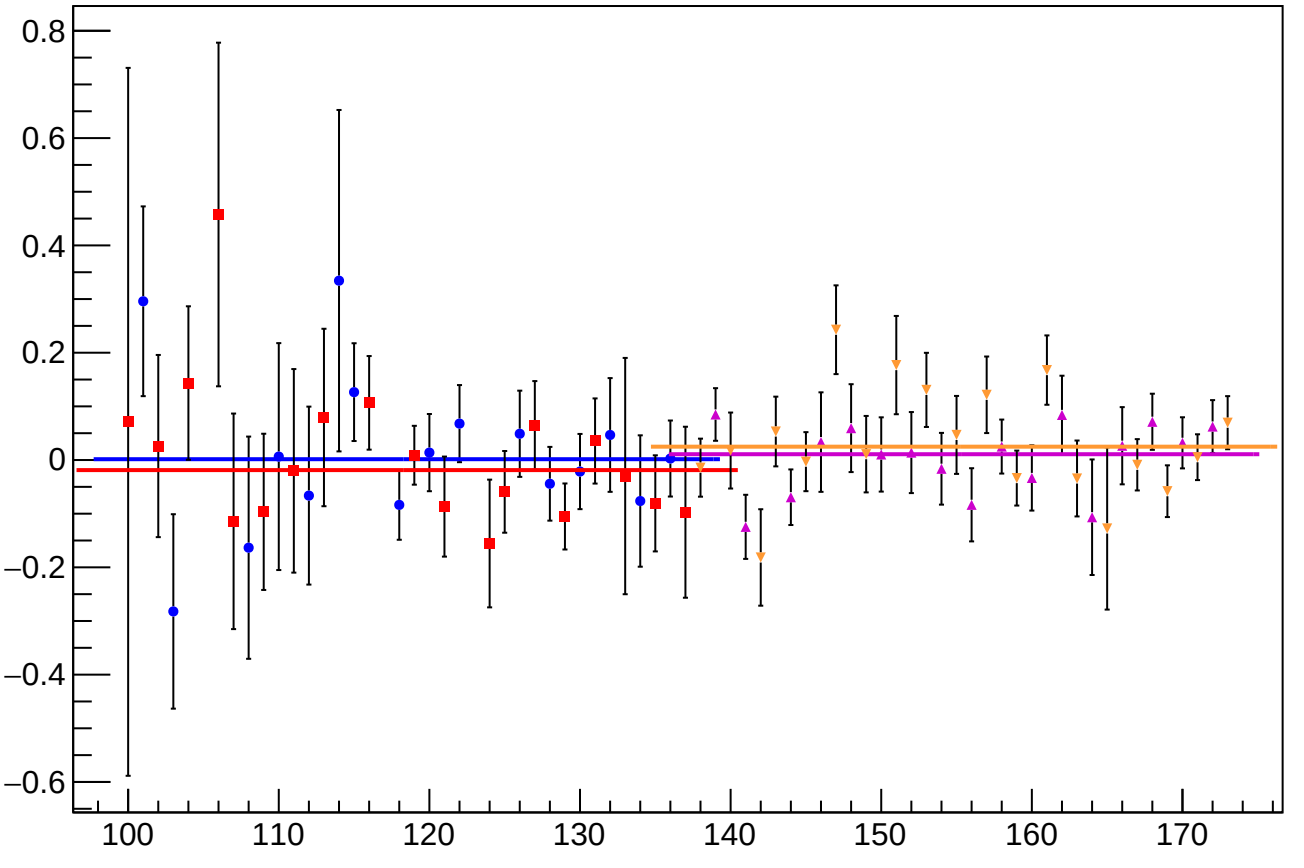
Left: 0.000+/-0.000 χ^2/NDF: 3988762.8/35

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:6151520.9/32

Out: 0.000+/-0.000 χ^2/NDF:6025142.9/37

All: 0.000+/-0.000 χ^2/NDF: 12198207.3/70



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.025+/-0.014 χ^2/NDF:32.7/18

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.011+/-0.015 χ^2/NDF:17.8/16

Left: 0.018+/-0.010 χ^2/NDF: 50.9/35

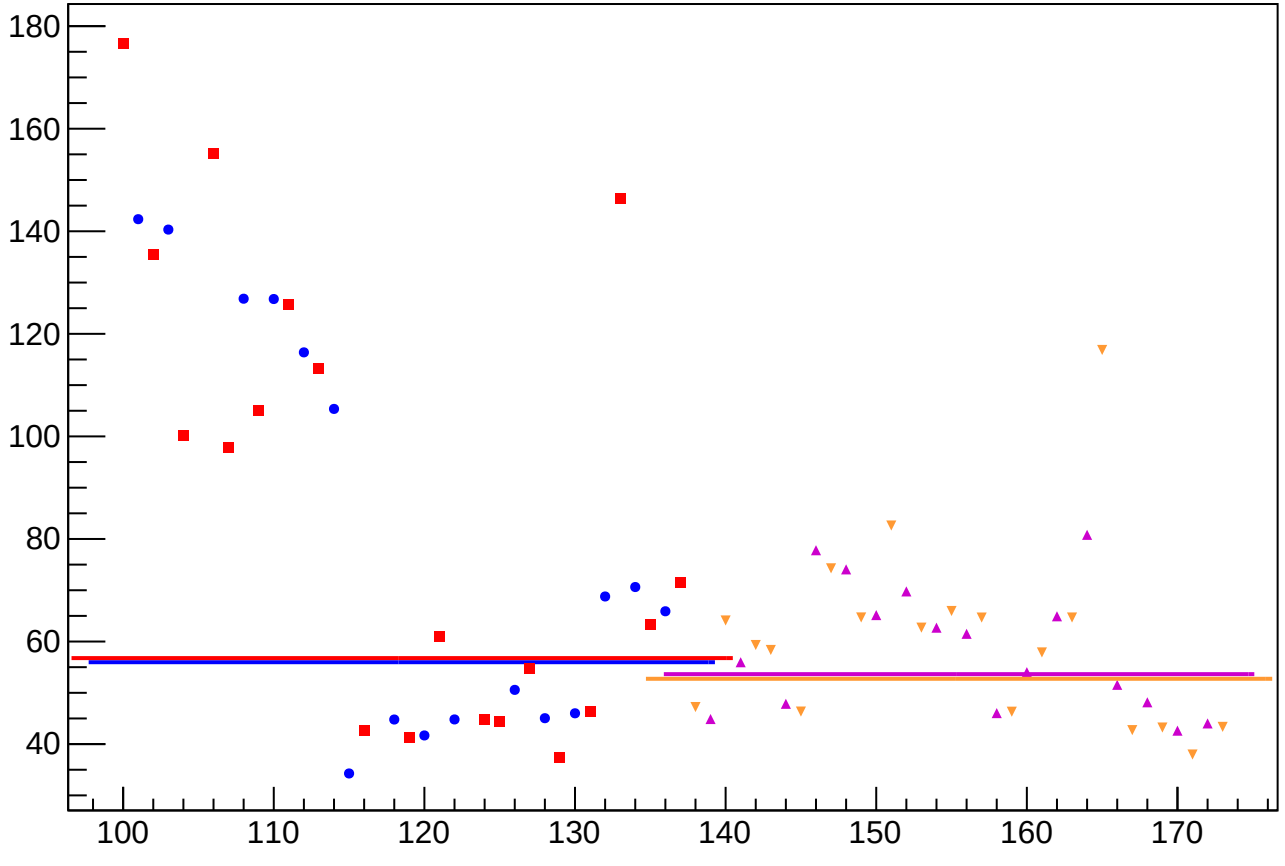
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.008+/-0.013 χ^2/NDF:31.0/32

Out: 0.013+/-0.012 χ^2/NDF:48.3/37

All: 0.011+/-0.009 χ^2/NDF: 79.3/70

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 52.736+/-0.010 χ^2/NDF:1630885.7/18

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.641+/-0.011 χ^2/NDF:989428.5/16

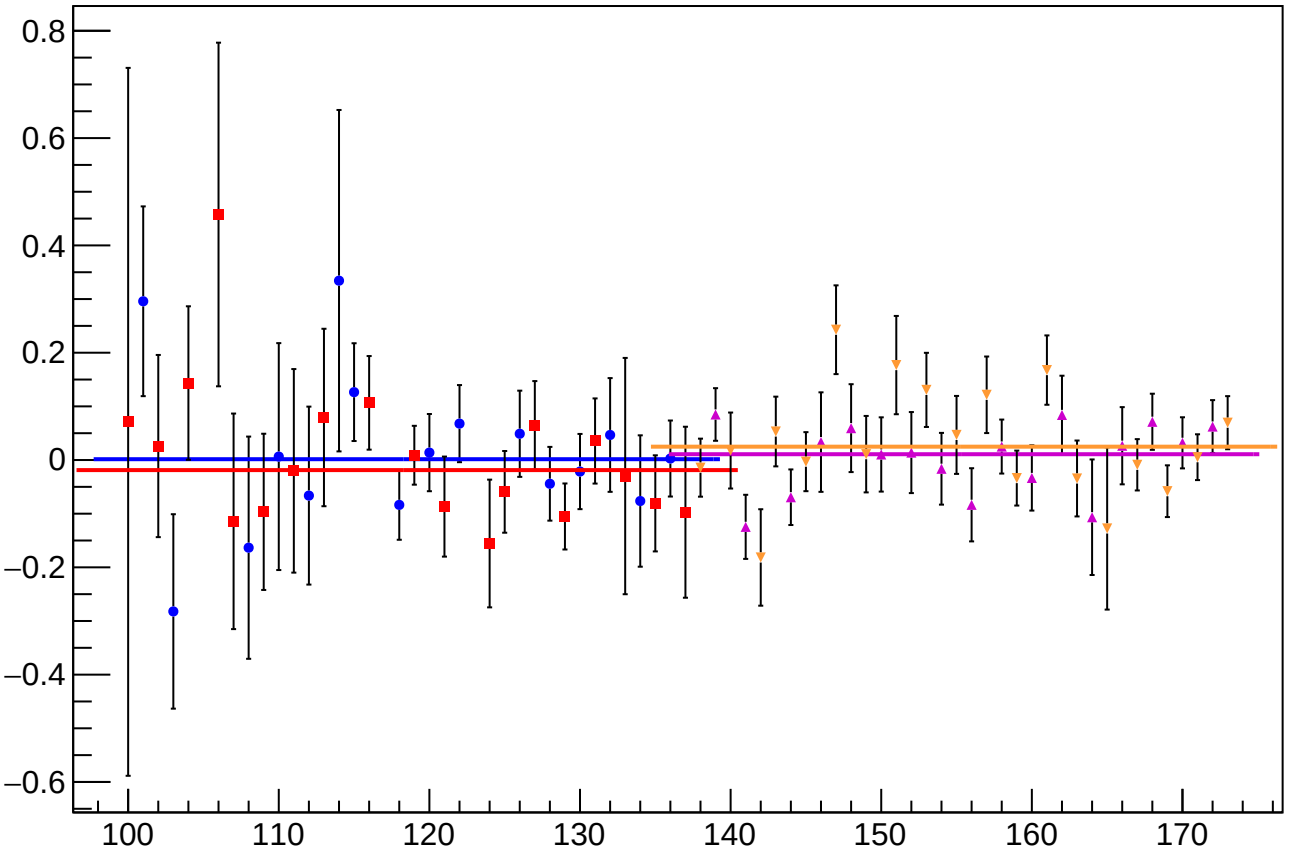
Left: 53.166+/-0.007 χ^2/NDF: 2624193.2/35

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.312+/-0.009 χ^2/NDF:3183317.4/32

Out: 53.811+/-0.009 χ^2/NDF:4227290.3/37

All: 54.052+/-0.006 χ^2/NDF: 7412250.7/70



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.025+/-0.014 χ^2/NDF:32.7/18

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.011+/-0.015 χ^2/NDF:17.8/16

Left: 0.018+/-0.010 χ^2/NDF: 50.9/35

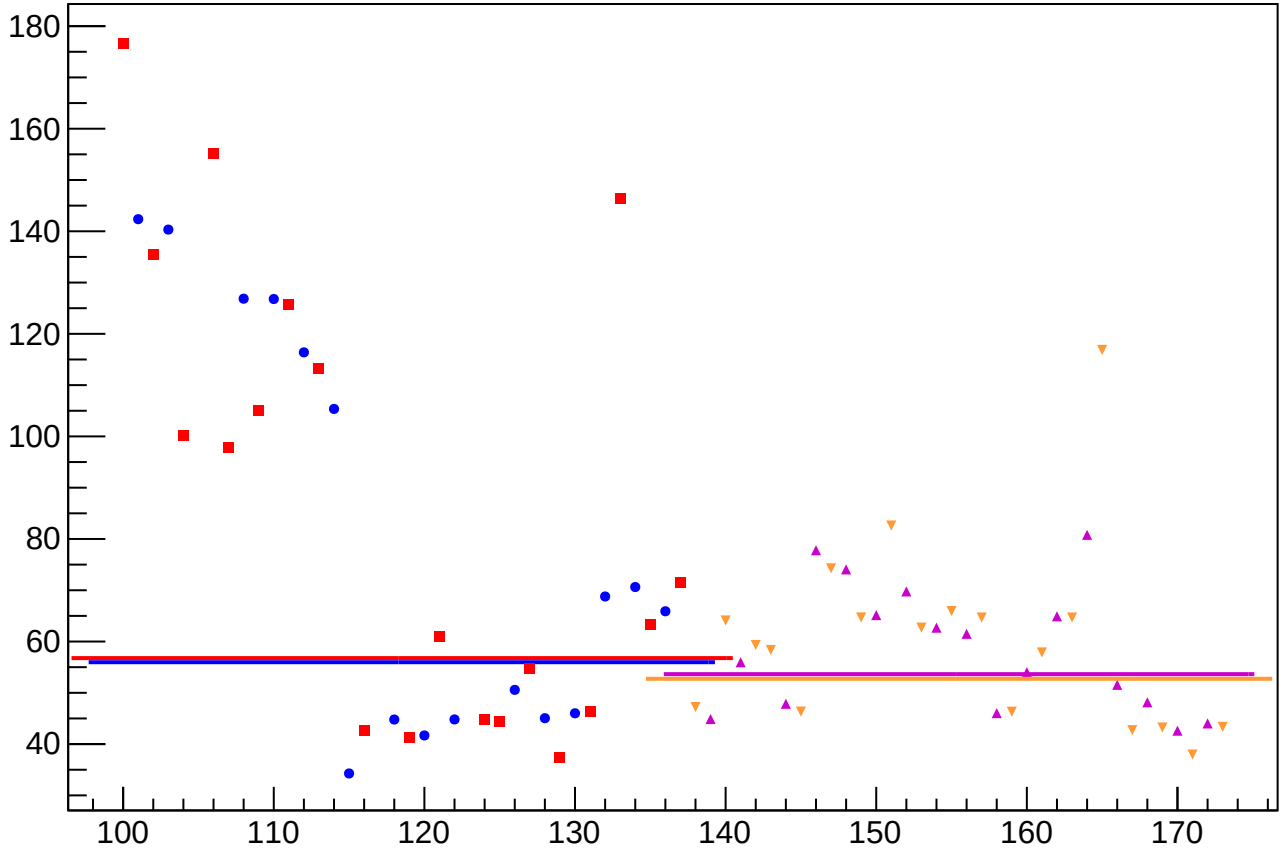
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.008+/-0.013 χ^2/NDF:31.0/32

Out: 0.013+/-0.012 χ^2/NDF:48.3/37

All: 0.011+/-0.009 χ^2/NDF: 79.3/70

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: 52.736+/-0.010 χ^2/NDF:1630885.7/18

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.641+/-0.011 χ^2/NDF:989428.5/16

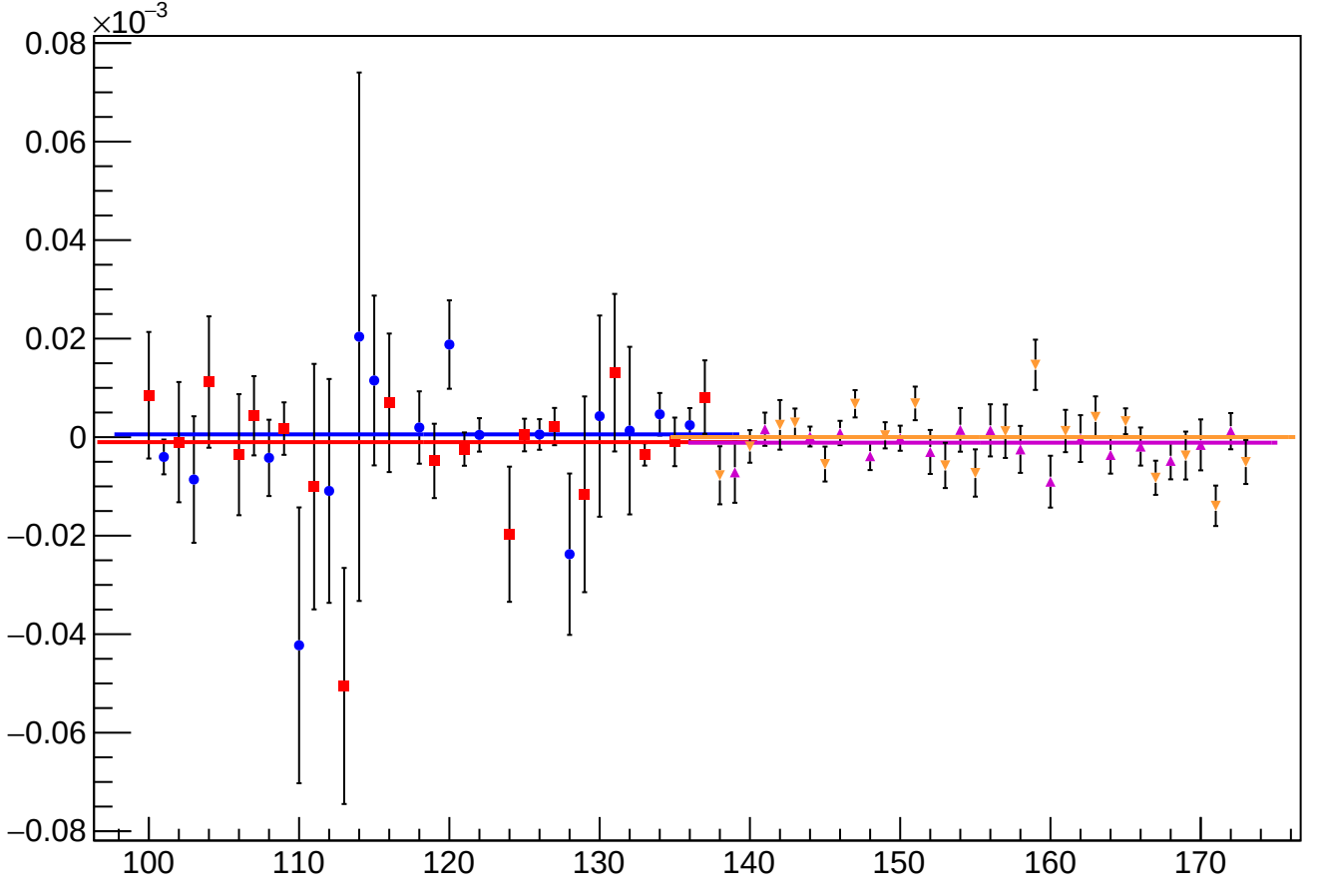
Left: 53.166+/-0.007 χ^2/NDF: 2624193.2/35

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.312+/-0.009 χ^2/NDF:3183317.4/32

Out: 53.811+/-0.009 χ^2/NDF:4227290.3/37

All: 54.052+/-0.006 χ^2/NDF: 7412250.7/70



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:49.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.6/16

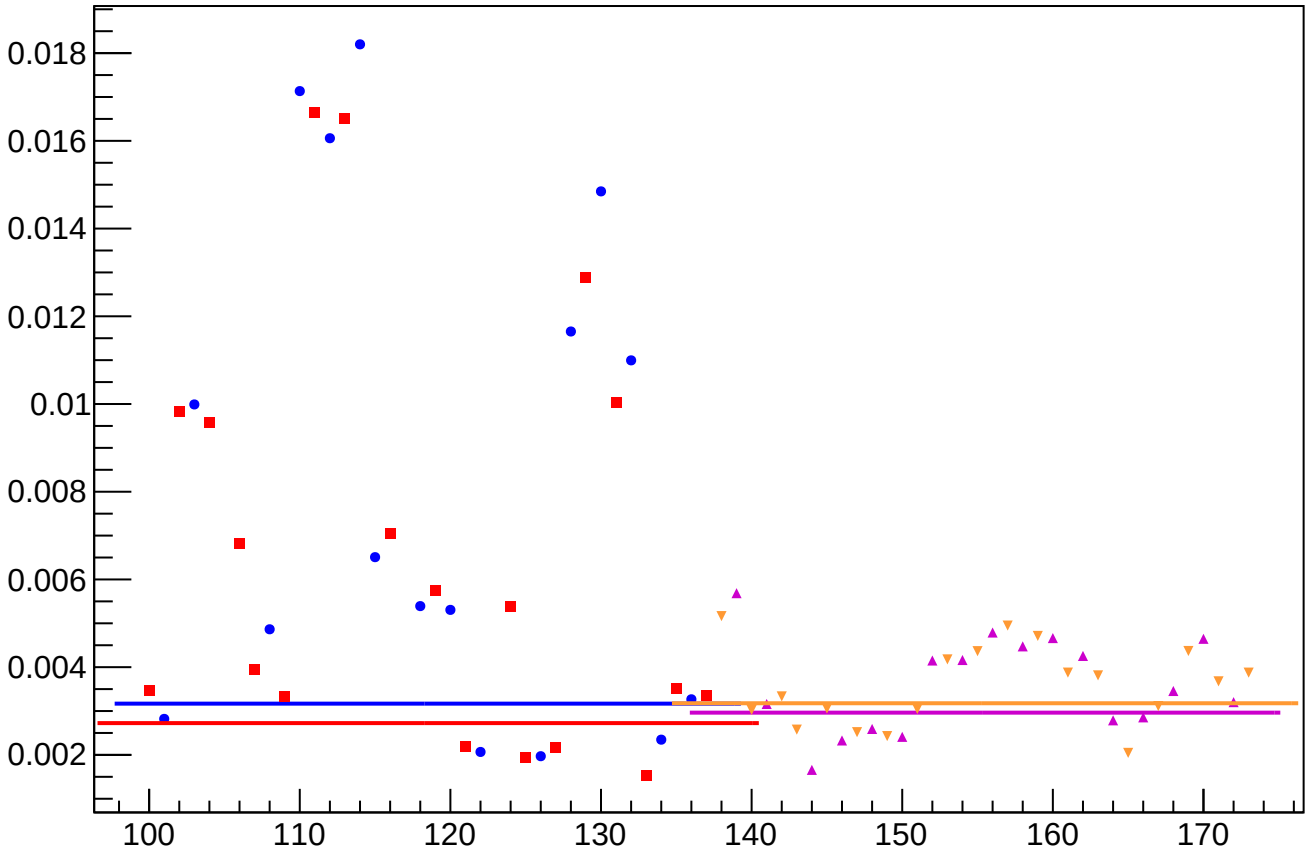
Left: -0.000+/-0.000 χ^2/NDF: 59.2/35

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:23.0/32

Out: -0.000+/-0.000 χ^2/NDF:63.9/37

All: -0.000+/-0.000 χ^2/NDF: 87.0/70



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:1883222.0/18

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2836956.9/16

Left: 0.003+/-0.000 χ^2/NDF: 4783494.3/35

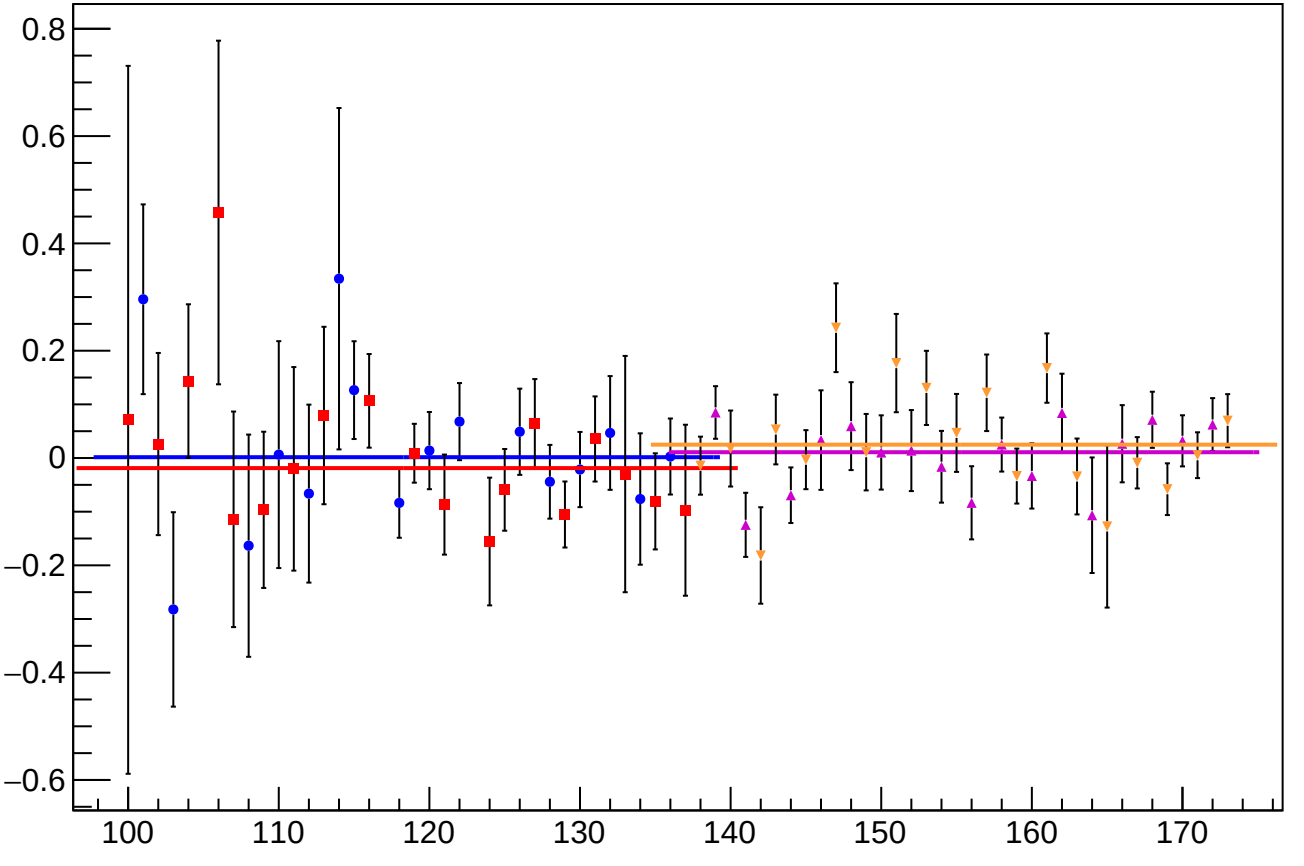
Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:7412501.3/32

Out: 0.003+/-0.000 χ^2/NDF:7210805.6/37

All: 0.003+/-0.000 χ^2/NDF: 14624200.7/70

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.025+/-0.014 χ^2/NDF:32.7/18

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.011+/-0.015 χ^2/NDF:17.8/16

Left: 0.018+/-0.010 χ^2/NDF: 50.9/35

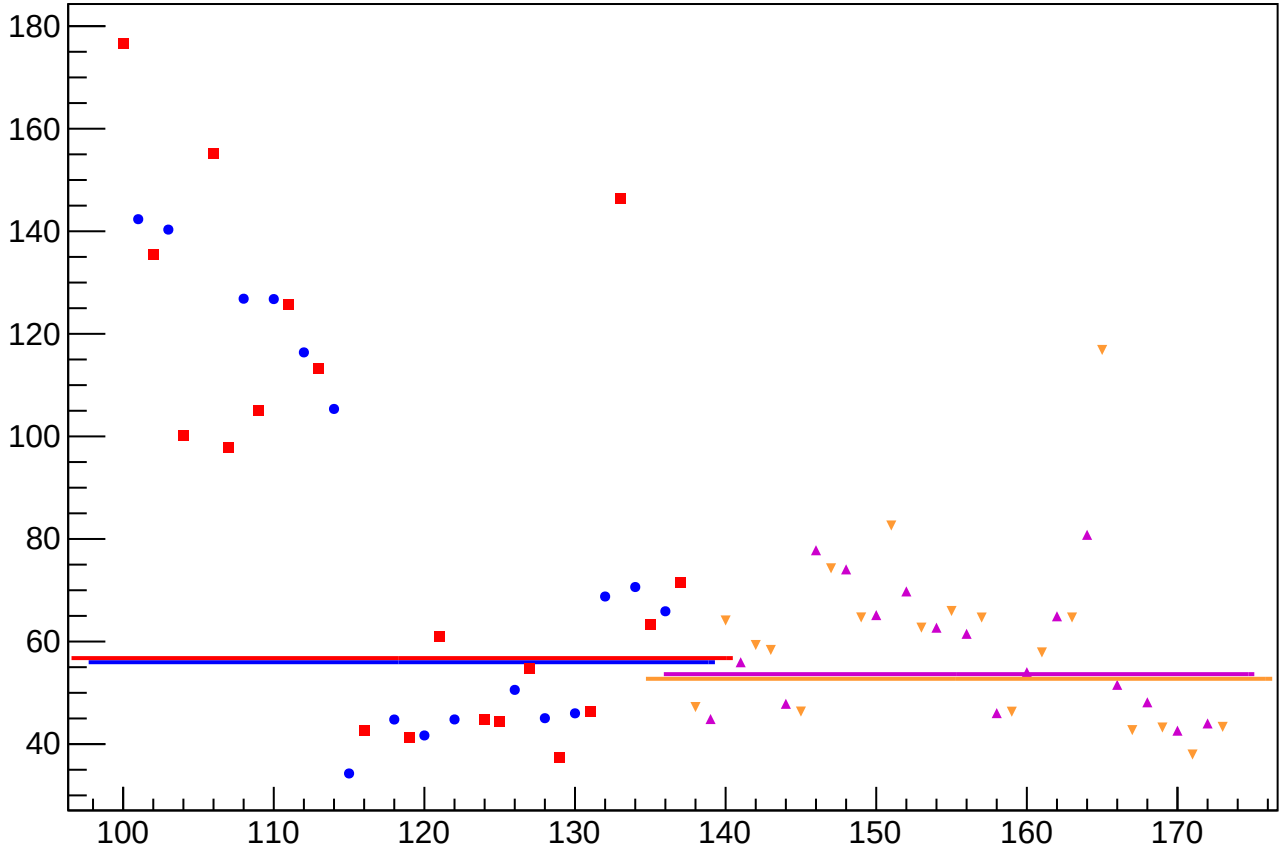
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.008+/-0.013 χ^2/NDF:31.0/32

Out: 0.013+/-0.012 χ^2/NDF:48.3/37

All: 0.011+/-0.009 χ^2/NDF: 79.3/70

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 52.736+/-0.010 χ^2/NDF:1630872.7/18

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 53.642+/-0.011 χ^2/NDF:989407.7/16

Left: 53.167+/-0.007 χ^2/NDF: 2624161.1/35

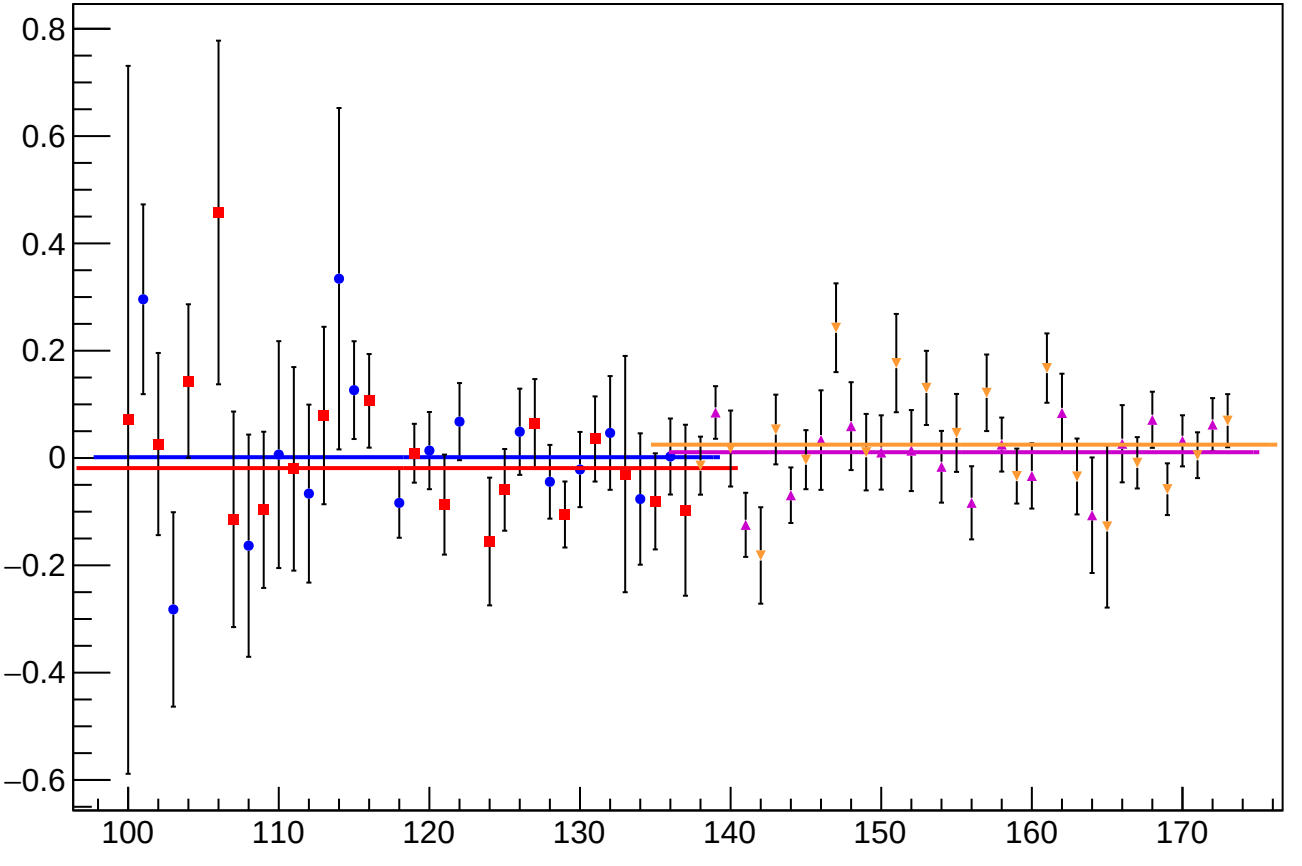
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.312+/-0.009 χ^2/NDF:3183213.4/32

Out: 53.811+/-0.009 χ^2/NDF:4227201.7/37

All: 54.053+/-0.006 χ^2/NDF: 7412059.1/70

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: 0.025+/-0.014 χ^2/NDF:32.7/18

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.011+/-0.015 χ^2/NDF:17.8/16

Left: 0.018+/-0.010 χ^2/NDF: 50.9/35

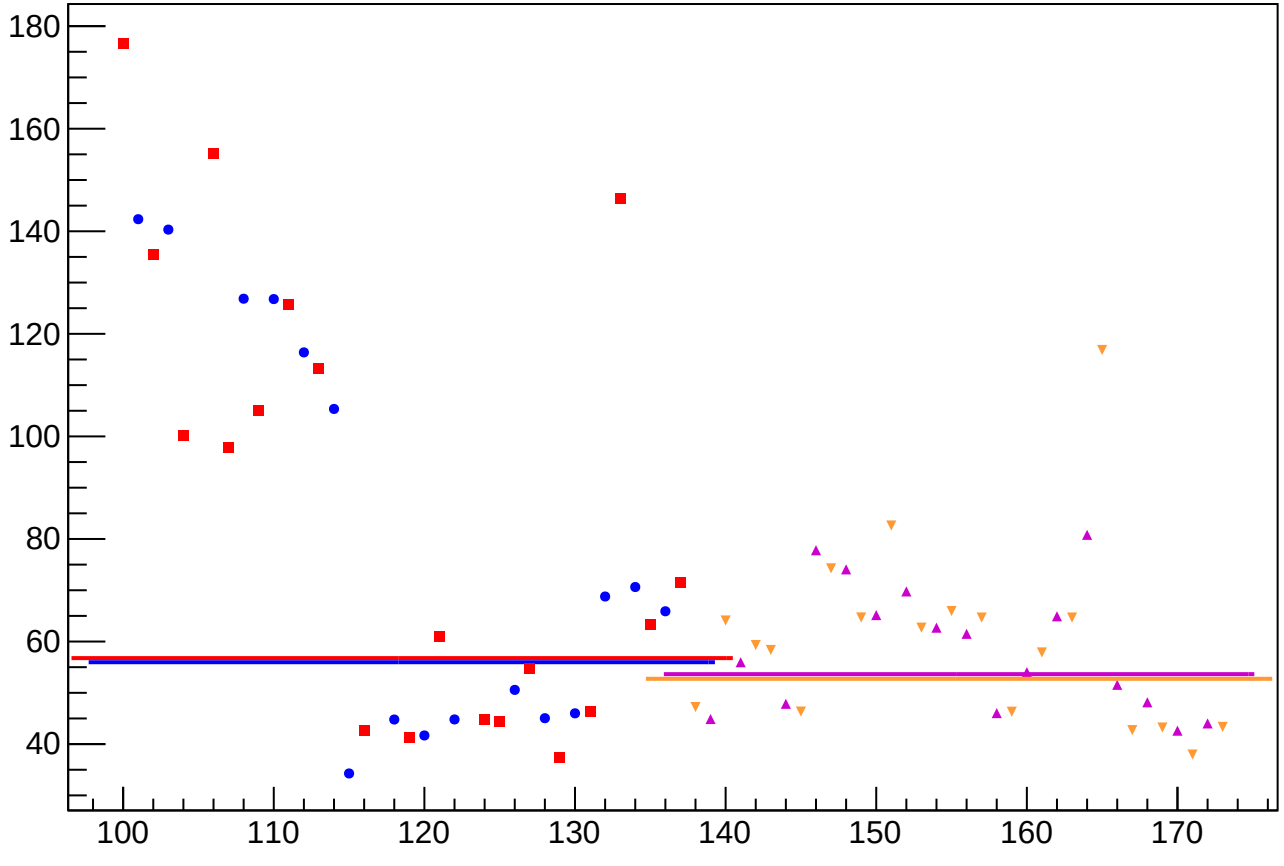
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.008+/-0.013 χ^2/NDF:31.0/32

Out: 0.013+/-0.012 χ^2/NDF:48.3/37

All: 0.011+/-0.009 χ^2/NDF: 79.3/70

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: 52.736+/-0.010 χ^2/NDF:1630872.7/18

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 53.642+/-0.011 χ^2/NDF:989407.7/16

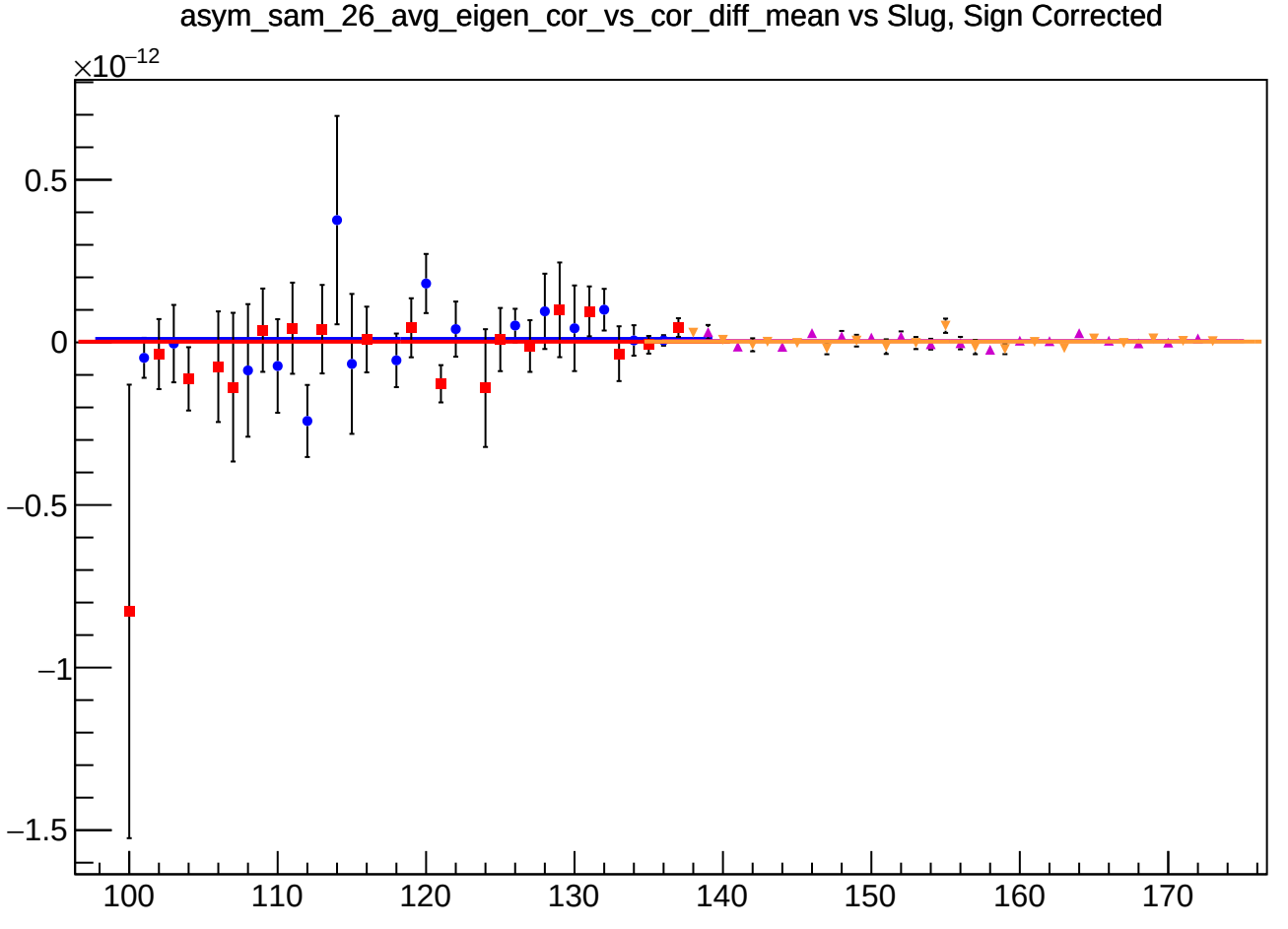
Left: 53.167+/-0.007 χ^2/NDF: 2624161.1/35

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.312+/-0.009 χ^2/NDF:3183213.4/32

Out: 53.811+/-0.009 χ^2/NDF:4227201.7/37

All: 54.053+/-0.006 χ^2/NDF: 7412059.1/70



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:29.4/16

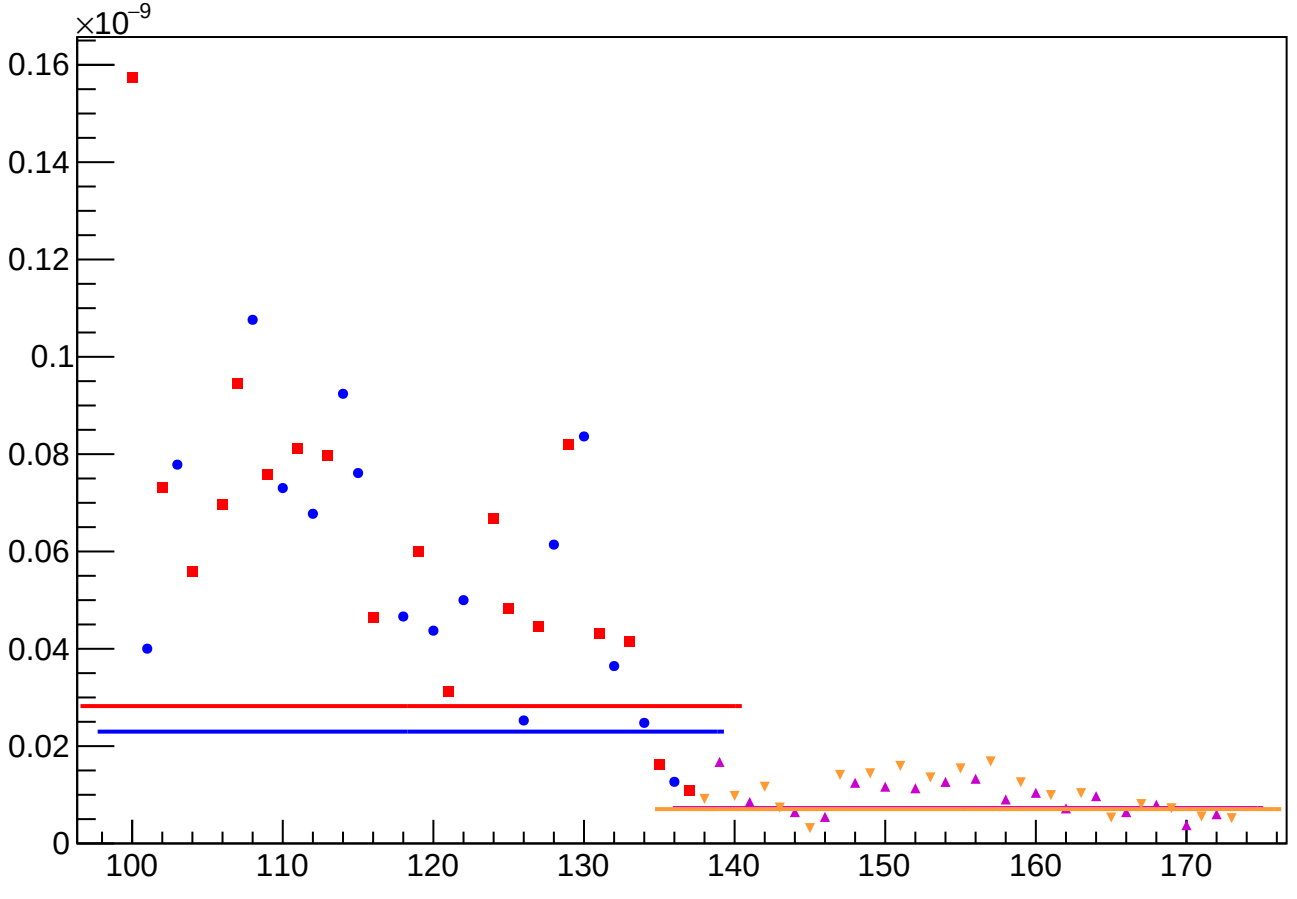
Left: 0.000+/-0.000 χ^2/NDF: 49.2/35

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:45.3/32

Out: 0.000+/-0.000 χ^2/NDF:33.8/37

All: 0.000+/-0.000 χ^2/NDF: 79.4/70



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4065871.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2406933.5/16

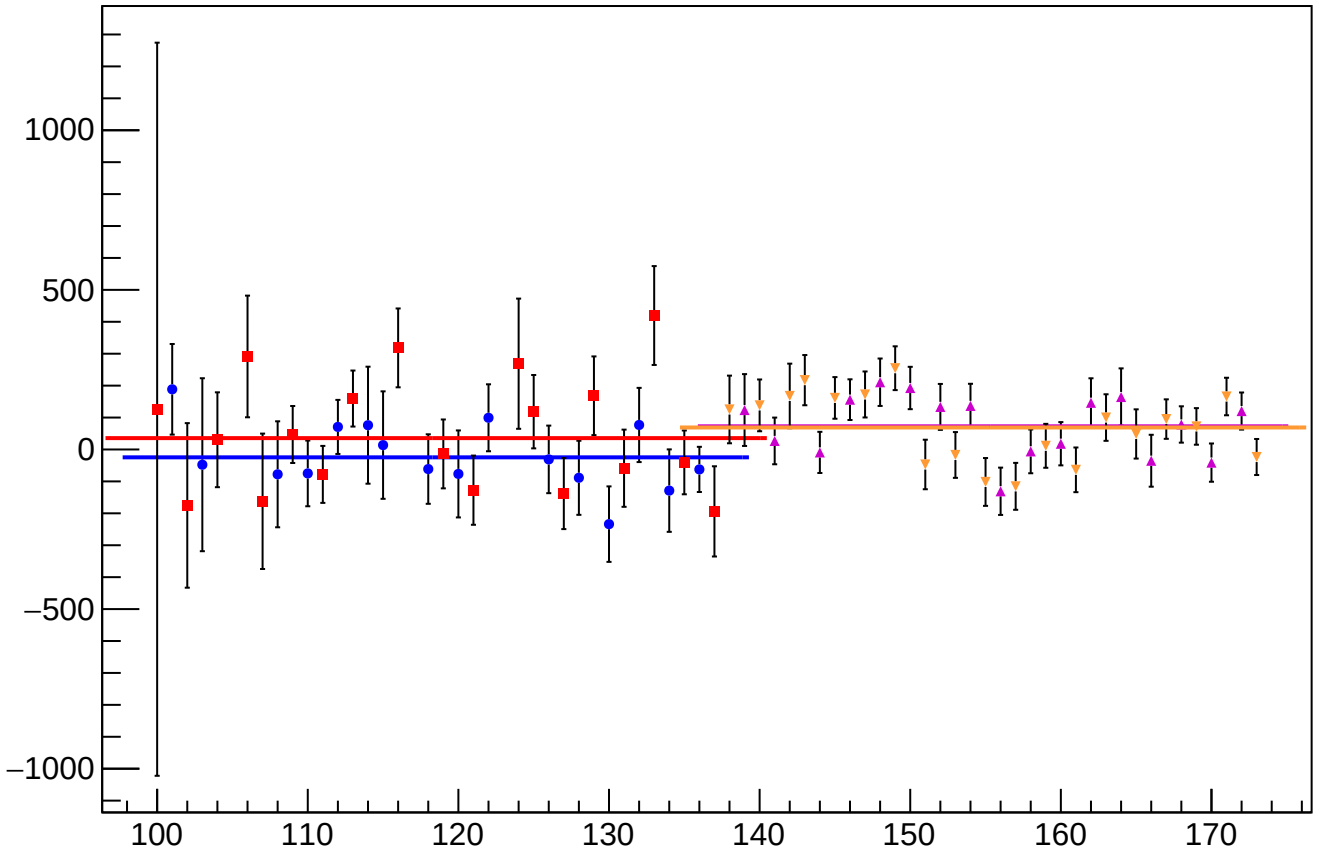
Left: 0.000+/-0.000 χ^2/NDF: 6479895.2/35

Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:8962278.5/32

Out: 0.000+/-0.000 χ^2/NDF:11521638.2/37

All: 0.000+/-0.000 χ^2/NDF: 20496943.6/70



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 68.879+/-16.210 χ^2/NDF:42.2/18

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 72.560+/-16.893 χ^2/NDF:29.7/16

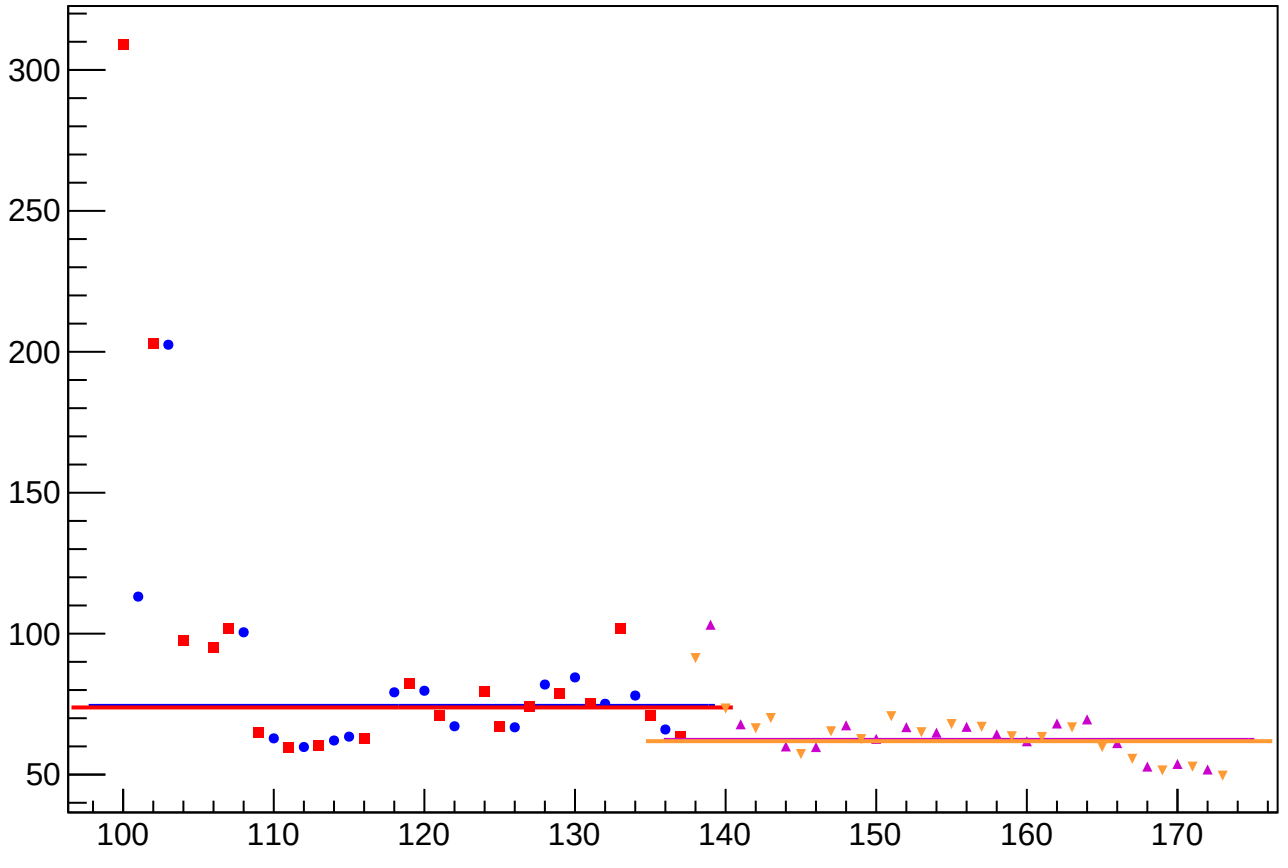
Left: 70.644+/-11.696 χ^2/NDF: 72.0/35

Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 47.824+/-14.586 χ^2/NDF:49.2/32

Out: 60.721+/-14.085 χ^2/NDF:73.3/37

All: 54.498+/-10.132 χ^2/NDF: 122.9/70



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 61.854+/-0.011 χ^2/NDF:529272.3/18

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 62.314+/-0.012 χ^2/NDF:497060.0/16

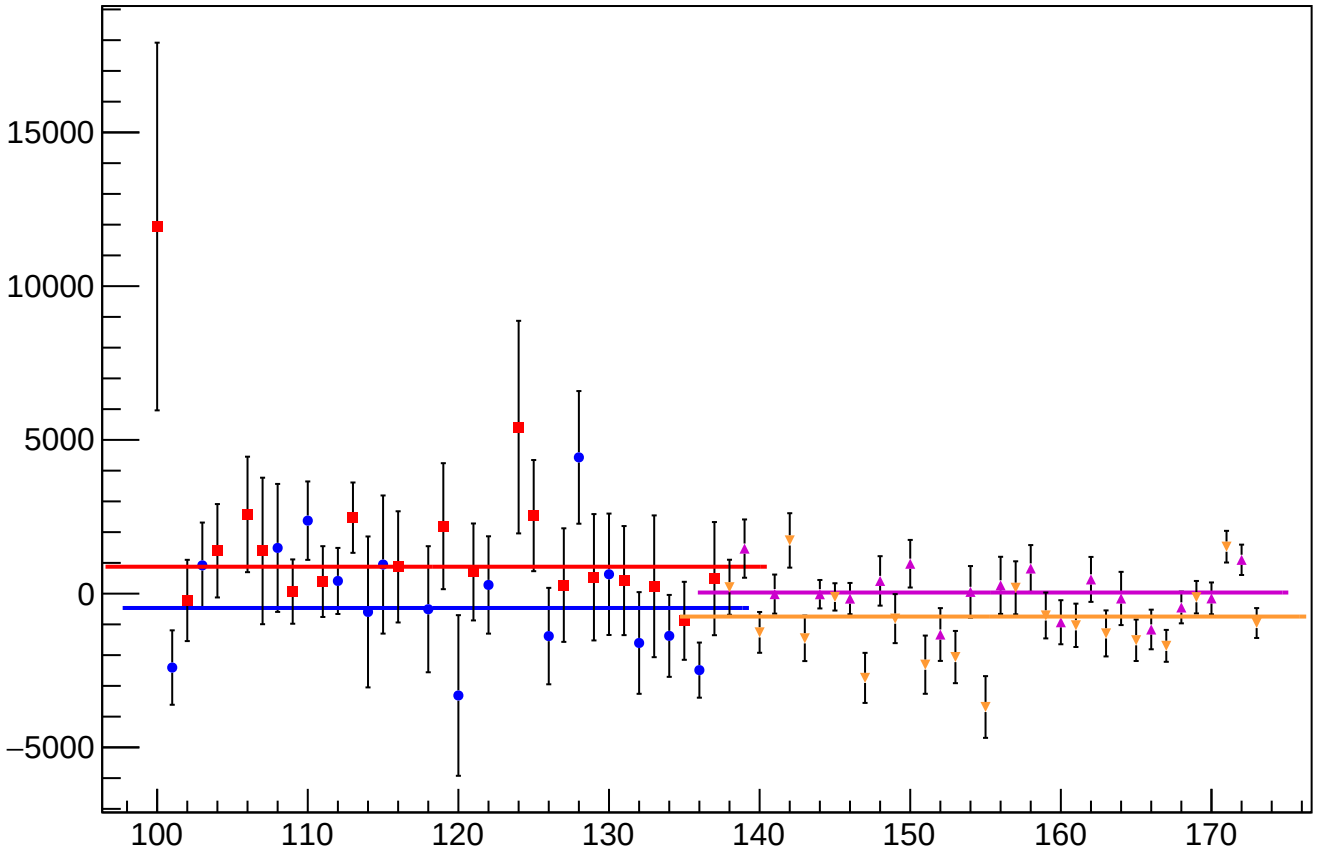
Left: 62.074+/-0.008 χ^2/NDF: 1027103.8/35

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 65.382+/-0.010 χ^2/NDF:1583862.5/32

Out: 64.784+/-0.010 χ^2/NDF:1728040.0/37

All: 65.073+/-0.007 χ^2/NDF: 3313637.7/70



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -745.664+/-153.003 χ^2/NDF:59.9/18

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 36.000+/-157.840 χ^2/NDF:19.1/16

Left: -366.992+/-109.860 χ^2/NDF: 91.7/35

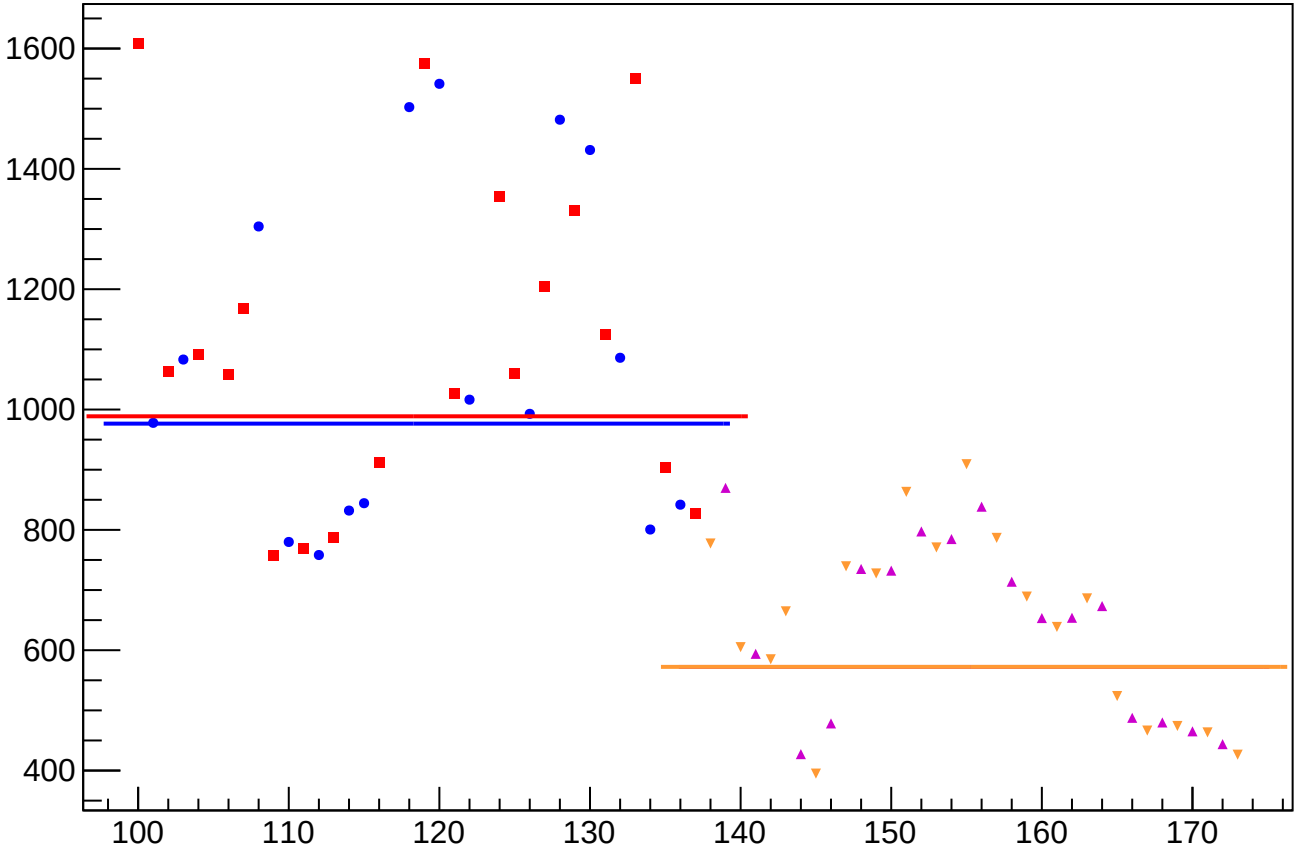
Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -39.620+/-145.480 χ^2/NDF:44.3/32

Out: -511.377+/-141.515 χ^2/NDF:89.2/37

All: -282.015+/-101.439 χ^2/NDF: 138.9/70

asym_sam_37_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 572.309+/-0.108 χ^2/NDF:1813489.0/18

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 572.147+/-0.112 χ^2/NDF:1527388.0/16

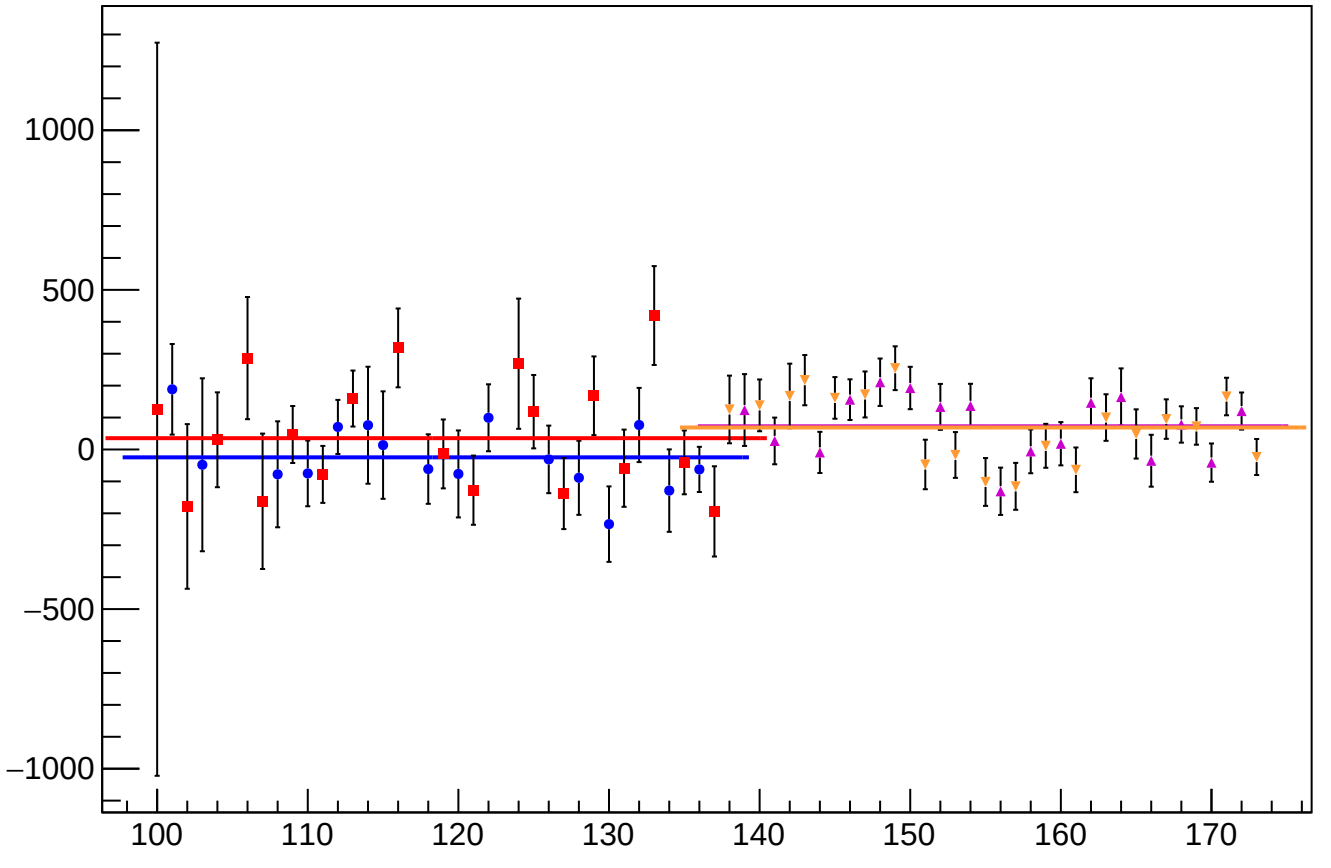
Left: 572.231+/-0.078 χ^2/NDF: 3340878.1/35

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 633.006+/-0.103 χ^2/NDF:4239920.8/32

Out: 632.500+/-0.100 χ^2/NDF:4670724.7/37

All: 632.746+/-0.072 χ^2/NDF: 8910657.9/70



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 68.882+/-16.210 χ^2/NDF:42.2/18

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 72.558+/-16.893 χ^2/NDF:29.7/16

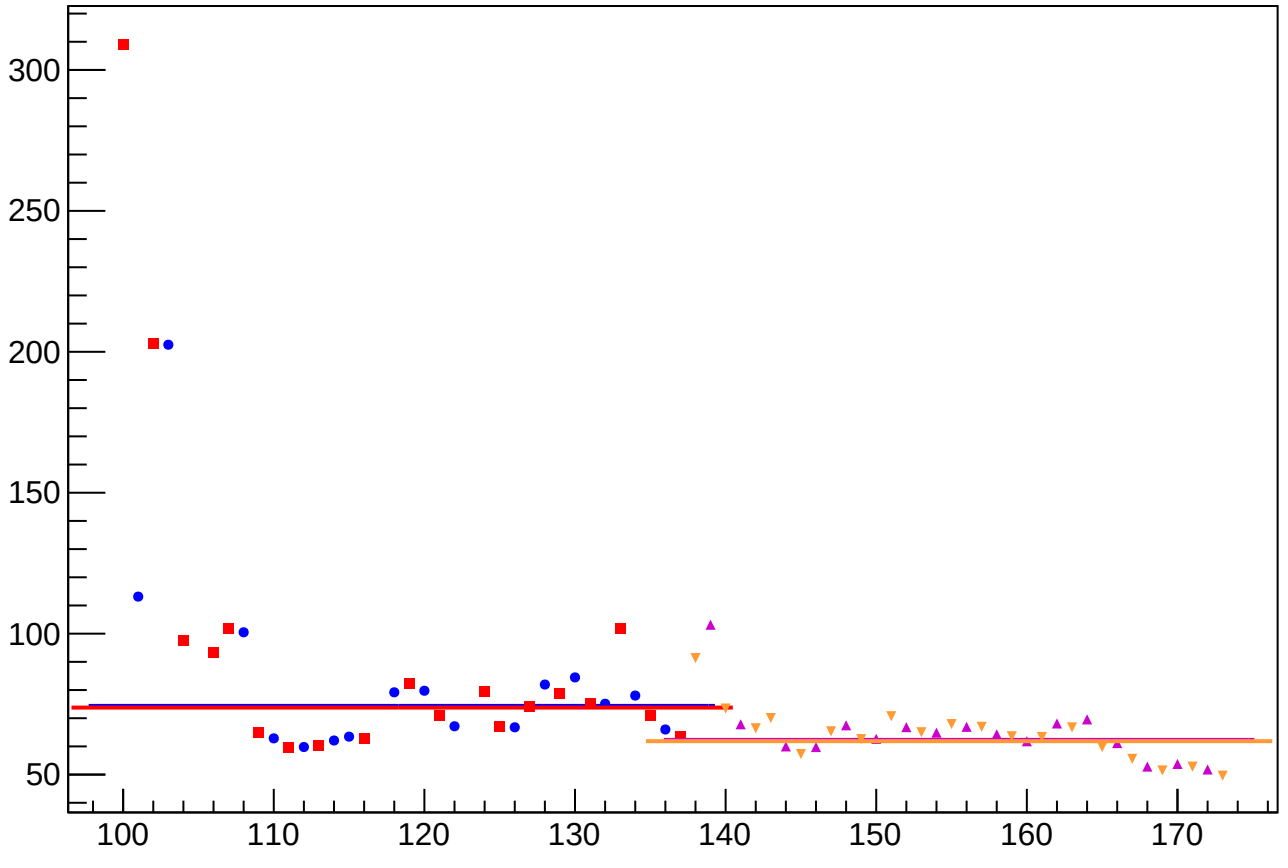
Left: 70.644+/-11.696 χ^2/NDF: 72.0/35

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 47.821+/-14.586 χ^2/NDF:49.2/32

Out: 60.675+/-14.085 χ^2/NDF:73.3/37

All: 54.472+/-10.132 χ^2/NDF: 122.9/70



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 61.854+/-0.011 χ^2/NDF:529272.3/18

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 62.314+/-0.012 χ^2/NDF:497060.0/16

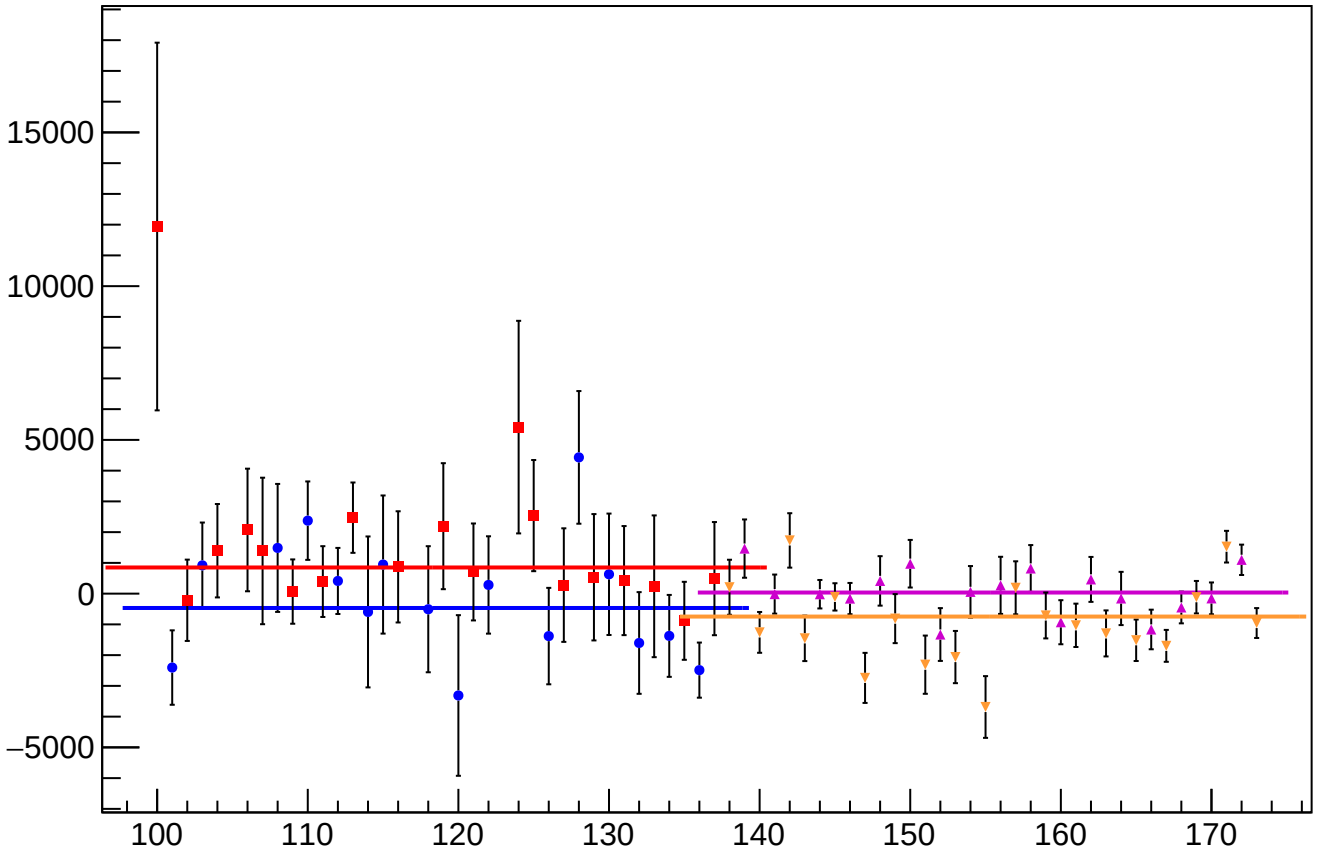
Left: 62.074+/-0.008 χ^2/NDF: 1027103.8/35

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 65.382+/-0.010 χ^2/NDF:1583864.4/32

Out: 64.774+/-0.010 χ^2/NDF:1722350.0/37

All: 65.067+/-0.007 χ^2/NDF: 3308012.3/70



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -745.660+/-153.003 χ^2/NDF:59.9/18

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 35.998+/-157.840 χ^2/NDF:19.1/16

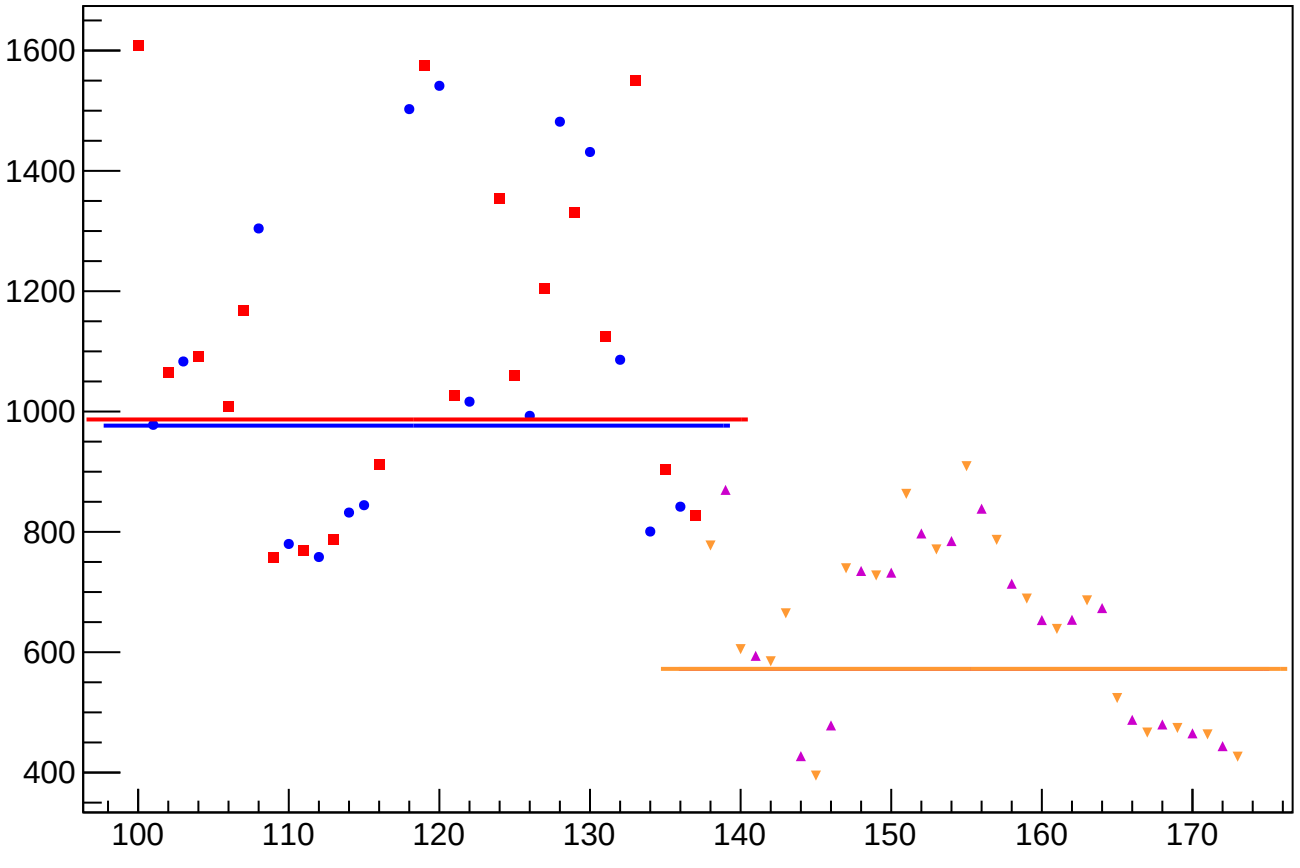
Left: -366.991+/-109.860 χ^2/NDF: 91.7/35

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -39.618+/-145.481 χ^2/NDF:44.3/32

Out: -515.830+/-141.562 χ^2/NDF:88.2/37

All: -284.224+/-101.456 χ^2/NDF: 138.0/70



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 572.309+/-0.108 χ^2/NDF:1813490.0/18

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 572.147+/-0.112 χ^2/NDF:1527389.7/16

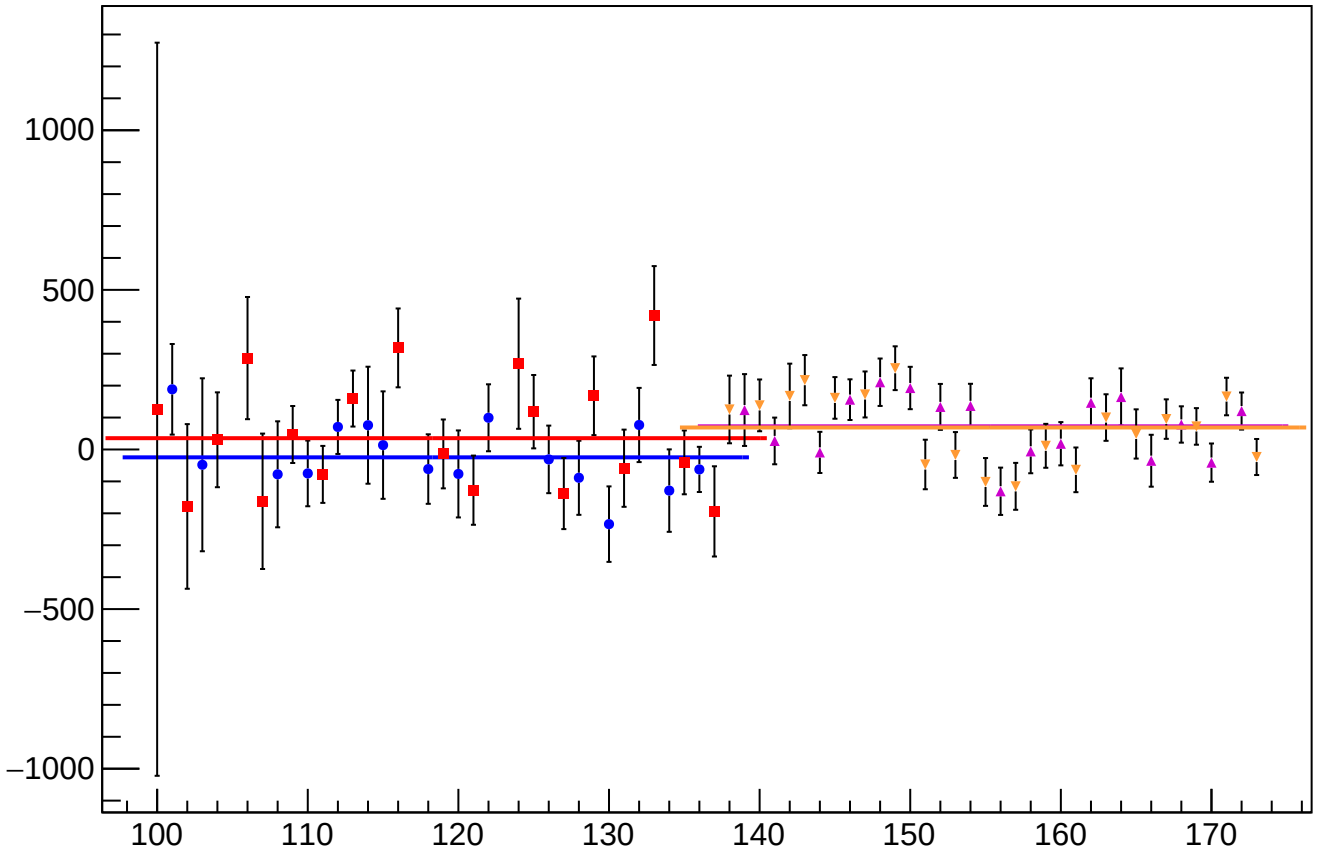
Left: 572.230+/-0.078 χ^2/NDF: 3340880.8/35

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 633.006+/-0.103 χ^2/NDF:4239981.1/32

Out: 631.985+/-0.100 χ^2/NDF:4640138.5/37

All: 632.482+/-0.072 χ^2/NDF: 8880170.2/70



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 68.882+/-16.210 χ^2/NDF:42.2/18

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 72.558+/-16.893 χ^2/NDF:29.7/16

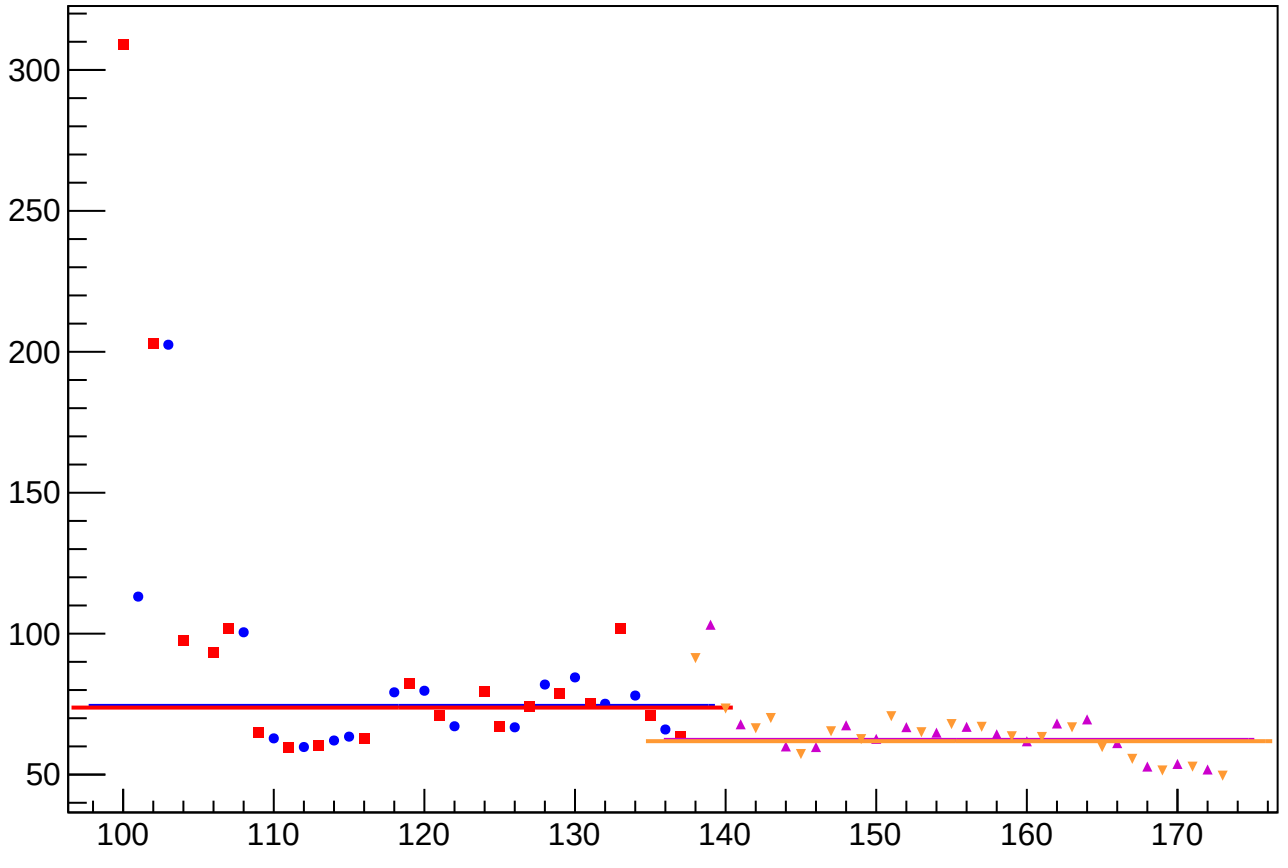
Left: 70.644+/-11.696 χ^2/NDF: 72.0/35

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 47.821+/-14.586 χ^2/NDF:49.2/32

Out: 60.675+/-14.085 χ^2/NDF:73.3/37

All: 54.472+/-10.132 χ^2/NDF: 122.9/70



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 61.854+/-0.011 χ^2/NDF:529272.3/18

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 62.314+/-0.012 χ^2/NDF:497060.0/16

Left: 62.074+/-0.008 χ^2/NDF: 1027103.8/35

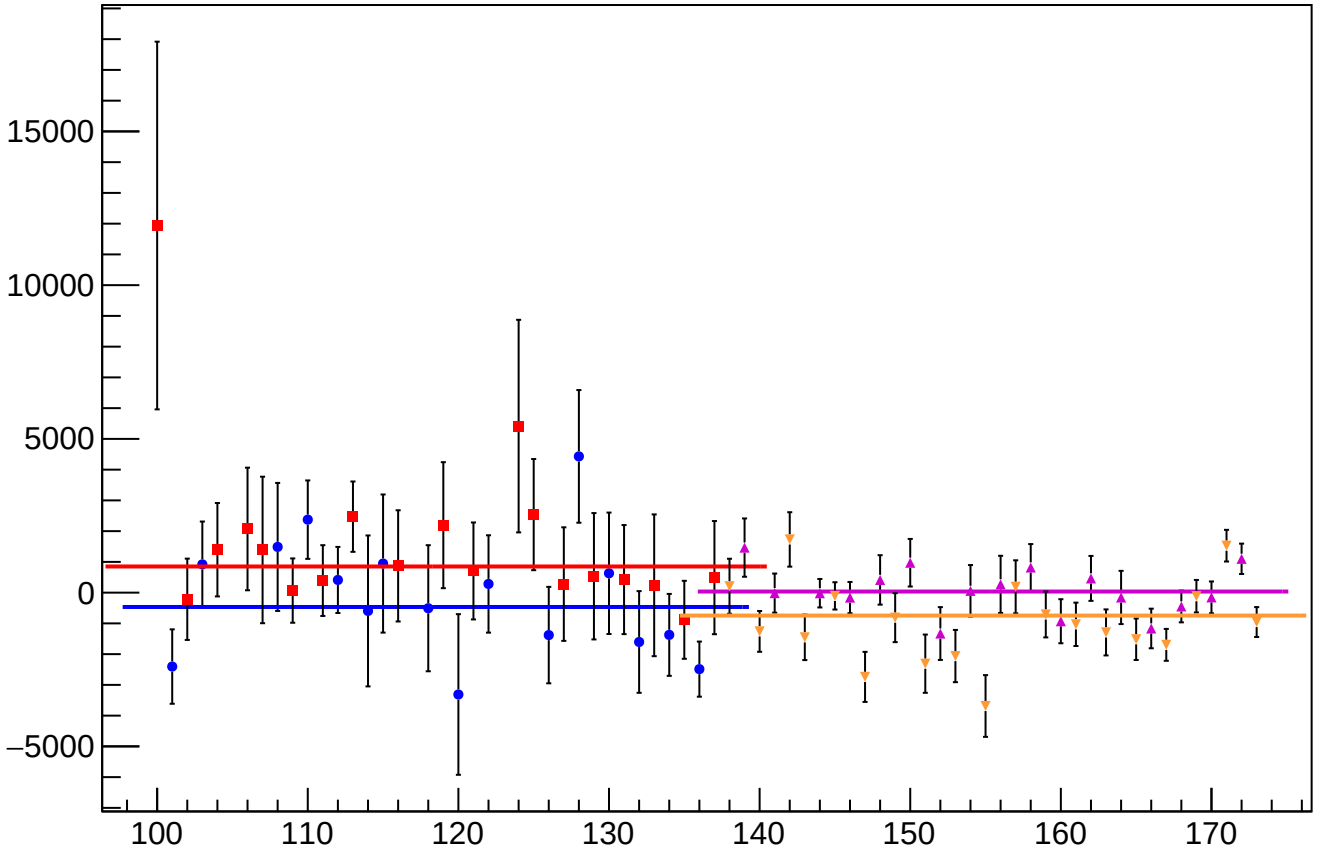
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 65.382+/-0.010 χ^2/NDF:1583864.4/32

Out: 64.774+/-0.010 χ^2/NDF:1722350.0/37

All: 65.067+/-0.007 χ^2/NDF: 3308012.3/70

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: -745.660+/-153.003 χ^2/NDF:59.9/18

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 35.998+/-157.840 χ^2/NDF:19.1/16

Left: -366.991+/-109.860 χ^2/NDF: 91.7/35

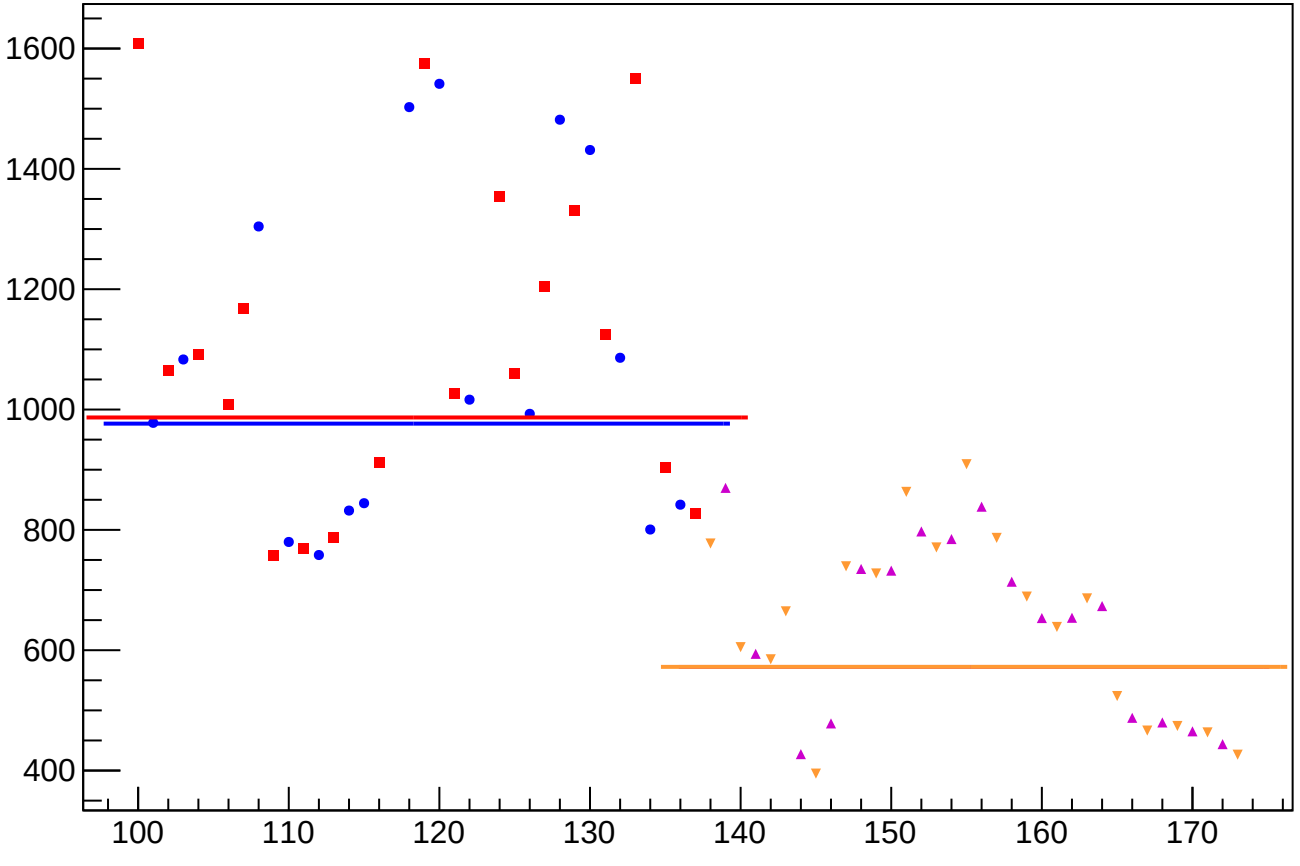
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -39.618+/-145.481 χ^2/NDF:44.3/32

Out: -515.830+/-141.562 χ^2/NDF:88.2/37

All: -284.224+/-101.456 χ^2/NDF: 138.0/70

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: 572.309+/-0.108 χ^2/NDF:1813490.0/18

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 572.147+/-0.112 χ^2/NDF:1527389.7/16

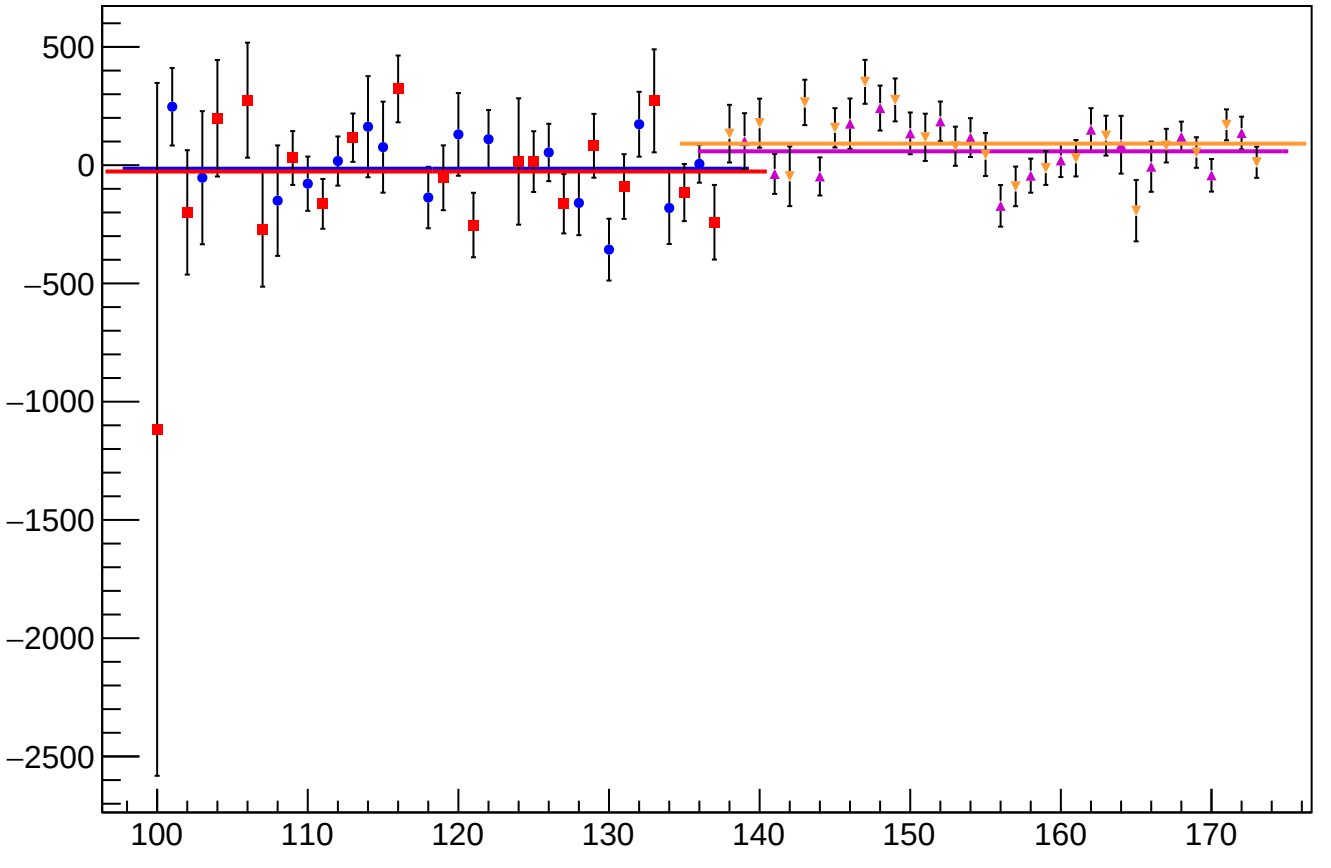
Left: 572.230+/-0.078 χ^2/NDF: 3340880.8/35

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 633.006+/-0.103 χ^2/NDF:4239981.1/32

Out: 631.985+/-0.100 χ^2/NDF:4640138.5/37

All: 632.482+/-0.072 χ^2/NDF: 8880170.2/70



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 91.100+/-19.281 χ^2/NDF:33.9/18

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 58.558+/-20.222 χ^2/NDF:26.6/16

Left: 75.604+/-13.955 χ^2/NDF: 61.9/35

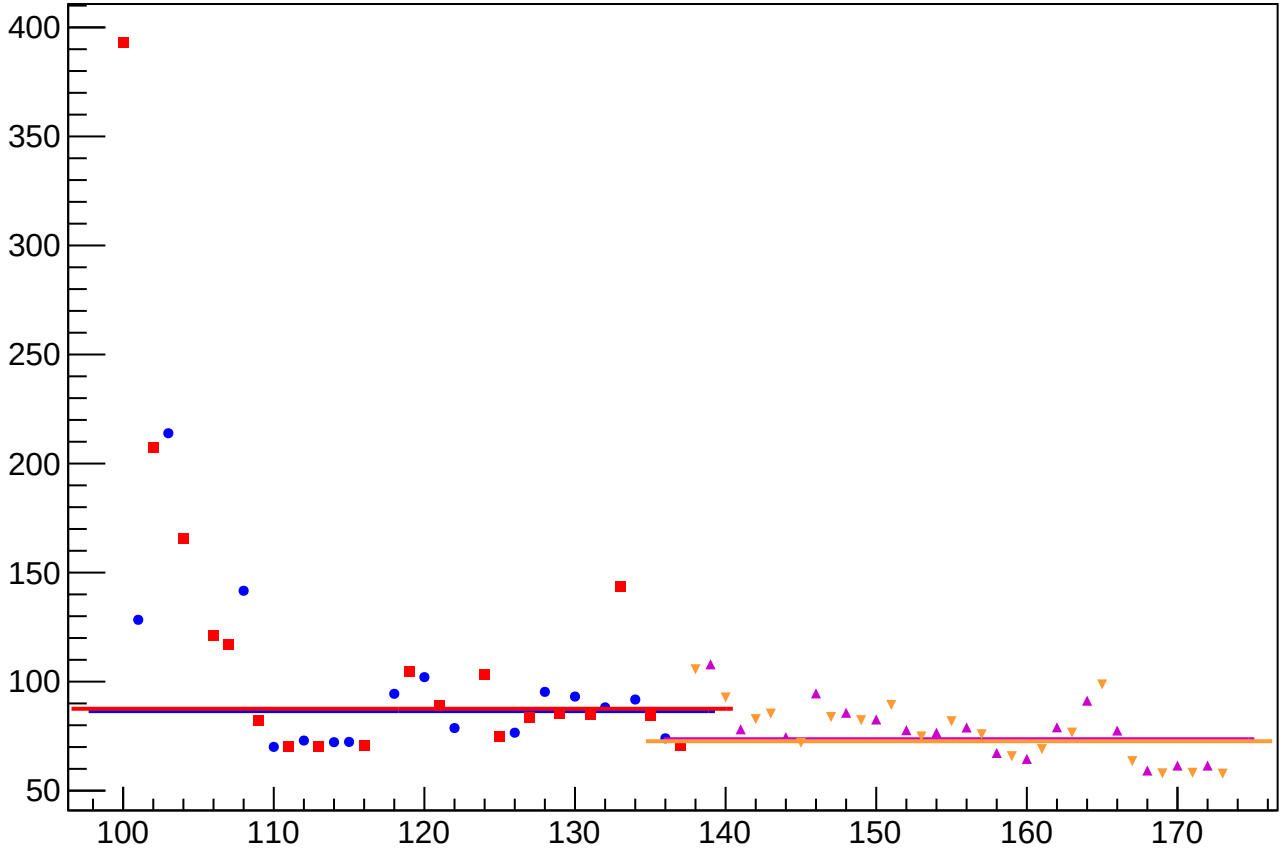
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 39.148+/-17.348 χ^2/NDF:48.3/32

Out: 62.539+/-16.781 χ^2/NDF:66.6/37

All: 51.232+/-12.061 χ^2/NDF: 115.8/70

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 72.665+/-0.014 χ^2/NDF:845034.4/18

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 73.585+/-0.014 χ^2/NDF:645332.2/16

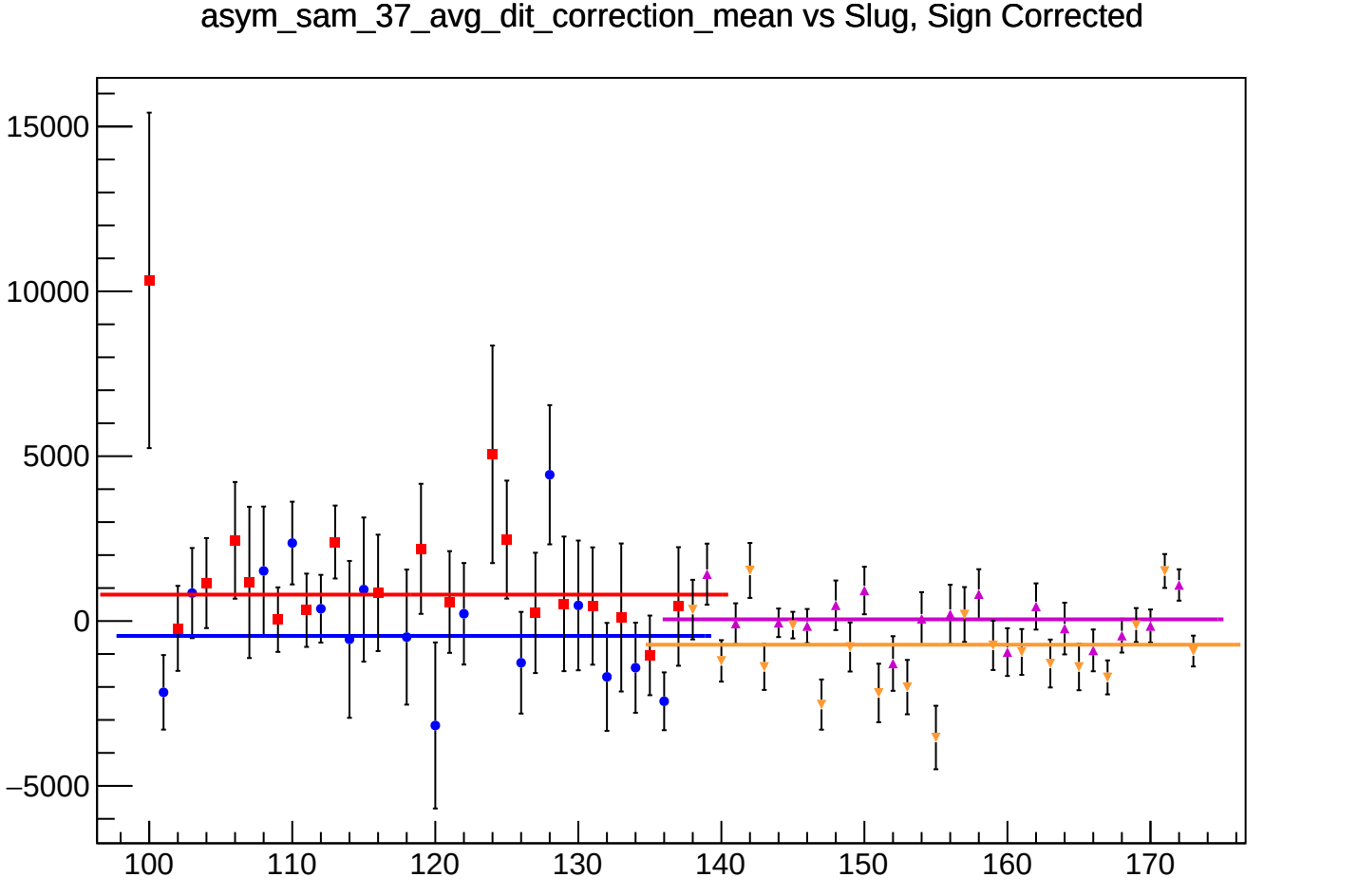
Left: 73.103+/-0.010 χ^2/NDF: 1492532.2/35

Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 76.992+/-0.012 χ^2/NDF:1716634.5/32

Out: 76.277+/-0.012 χ^2/NDF:2264110.9/37

All: 76.622+/-0.009 χ^2/NDF: 3982502.6/70



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -717.720+/-147.694 χ^2/NDF:58.8/18

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 51.380+/-152.805 χ^2/NDF:18.3/16

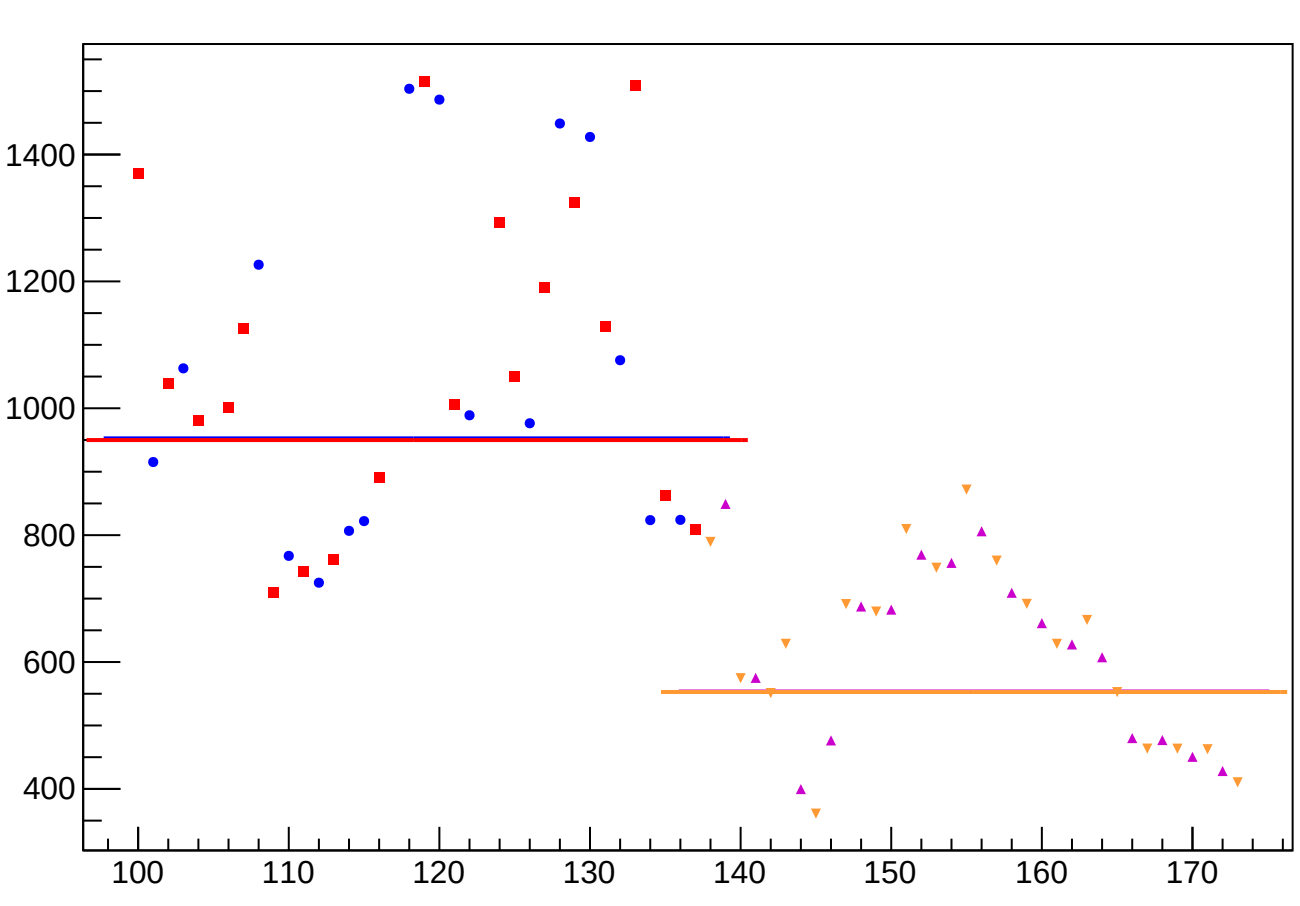
Left: -346.248+/-106.196 χ^2/NDF: 90.2/35

Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -23.384+/-140.986 χ^2/NDF:43.7/32

Out: -496.659+/-136.524 χ^2/NDF:87.8/37

All: -267.630+/-98.077 χ^2/NDF: 137.3/70



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 552.773+/-0.104 χ^2/NDF:1872885.8/18

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 553.557+/-0.108 χ^2/NDF:1508187.7/16

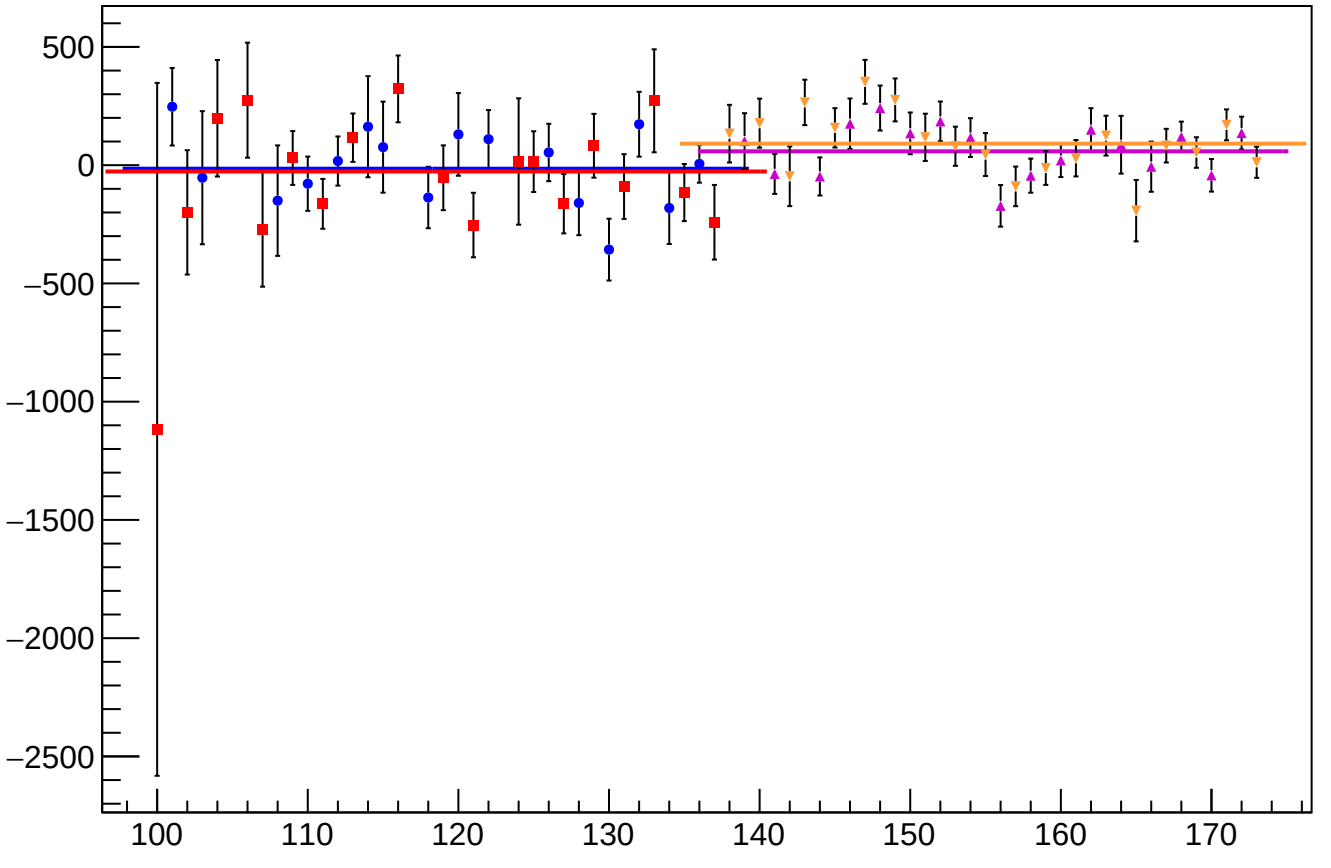
Left: 553.152+/-0.075 χ^2/NDF: 3381100.8/35

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 612.890+/-0.100 χ^2/NDF:4282291.9/32

Out: 610.568+/-0.097 χ^2/NDF:4728936.8/37

All: 611.692+/-0.069 χ^2/NDF: 9011508.6/70



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 91.101+/-19.281 χ^2/NDF:33.9/18

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 58.558+/-20.222 χ^2/NDF:26.6/16

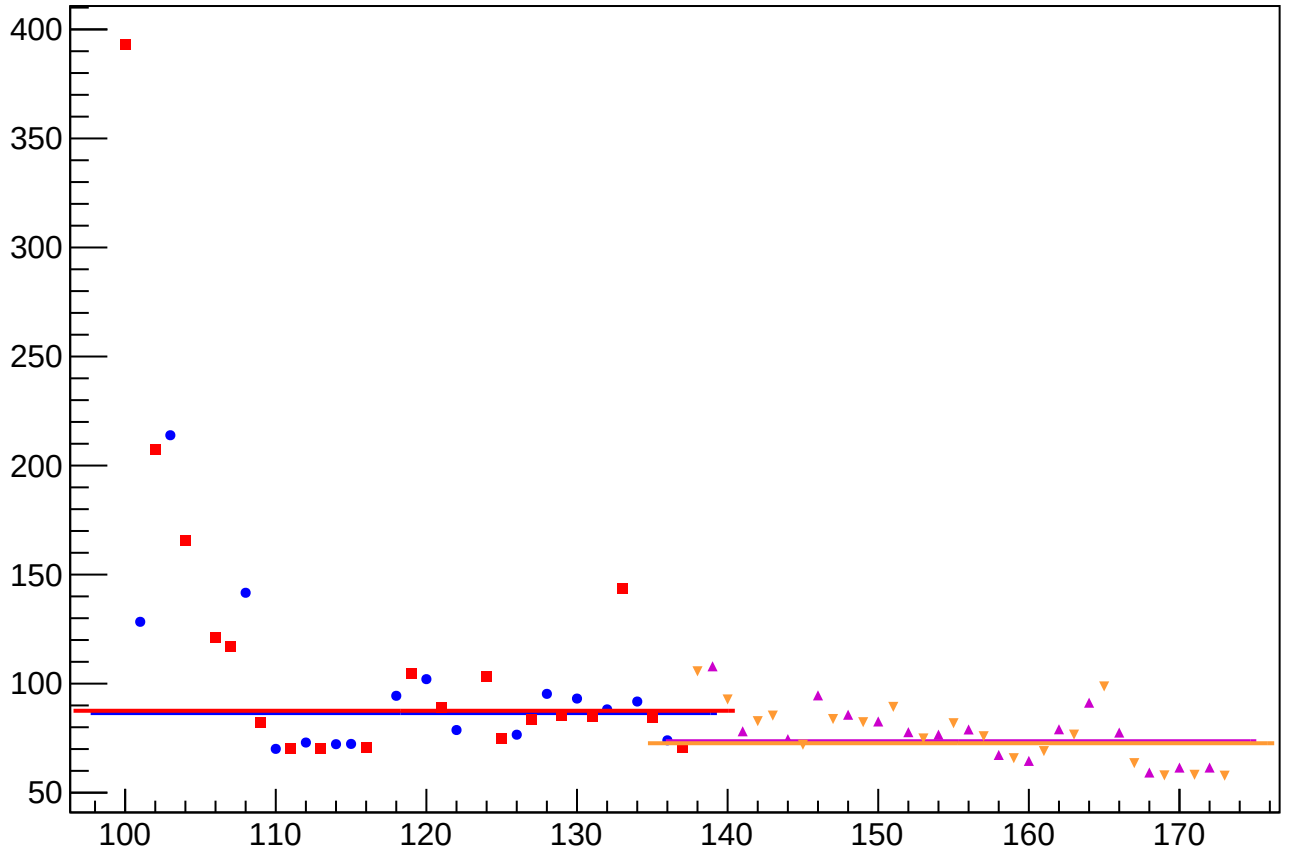
Left: 75.604+/-13.955 χ^2/NDF: 61.9/35

Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 39.147+/-17.348 χ^2/NDF:48.3/32

Out: 62.539+/-16.781 χ^2/NDF:66.6/37

All: 51.232+/-12.061 χ^2/NDF: 115.8/70



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 72.665+/-0.014 χ^2/NDF:845044.8/18

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 73.585+/-0.014 χ^2/NDF:645337.7/16

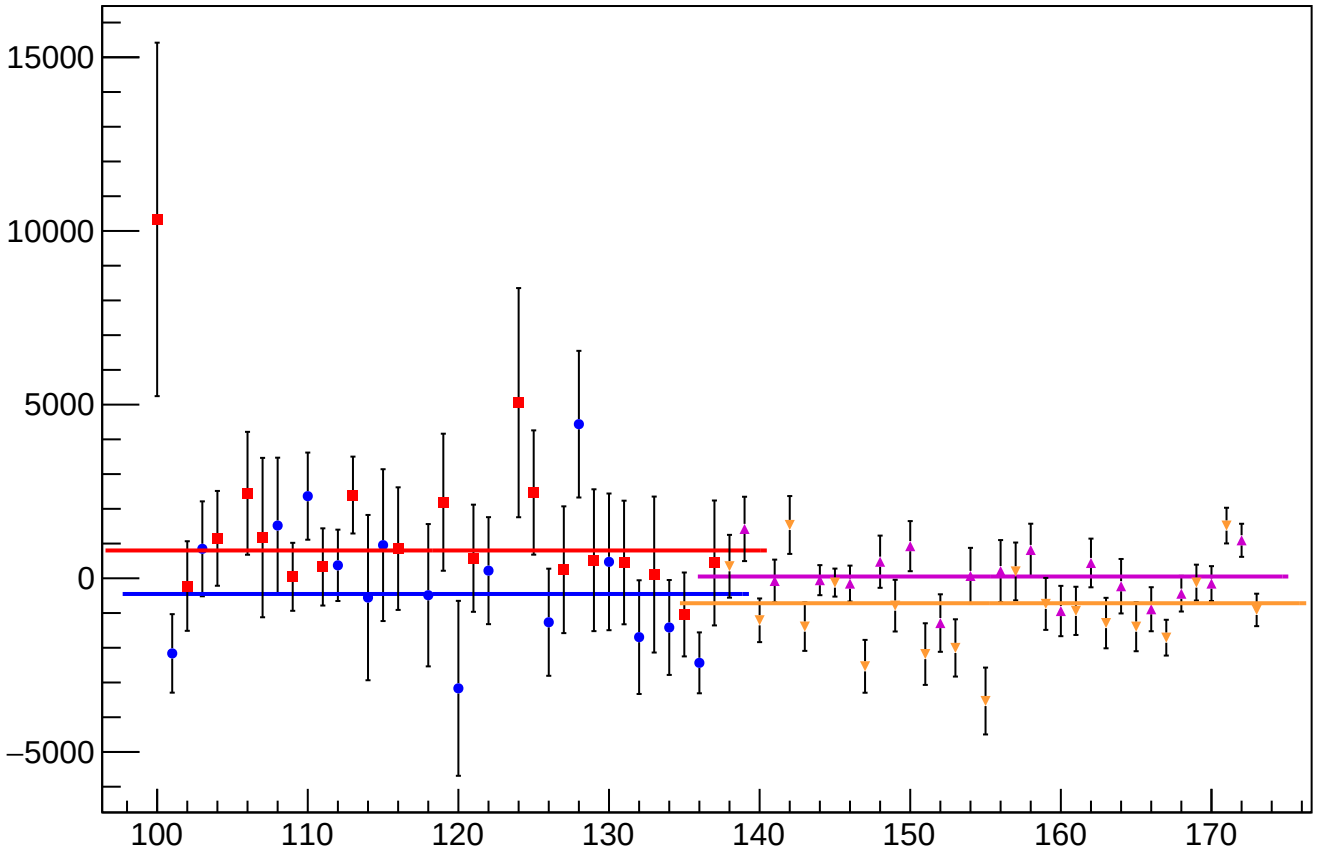
Left: 73.103+/-0.010 χ^2/NDF: 1492548.1/35

Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 76.992+/-0.012 χ^2/NDF:1716634.5/32

Out: 76.277+/-0.012 χ^2/NDF:2264125.0/37

All: 76.623+/-0.009 χ^2/NDF: 3982516.7/70



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -717.721+/-147.693 χ^2/NDF:58.8/18

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 51.379+/-152.805 χ^2/NDF:18.3/16

Left: -346.249+/-106.196 χ^2/NDF: 90.2/35

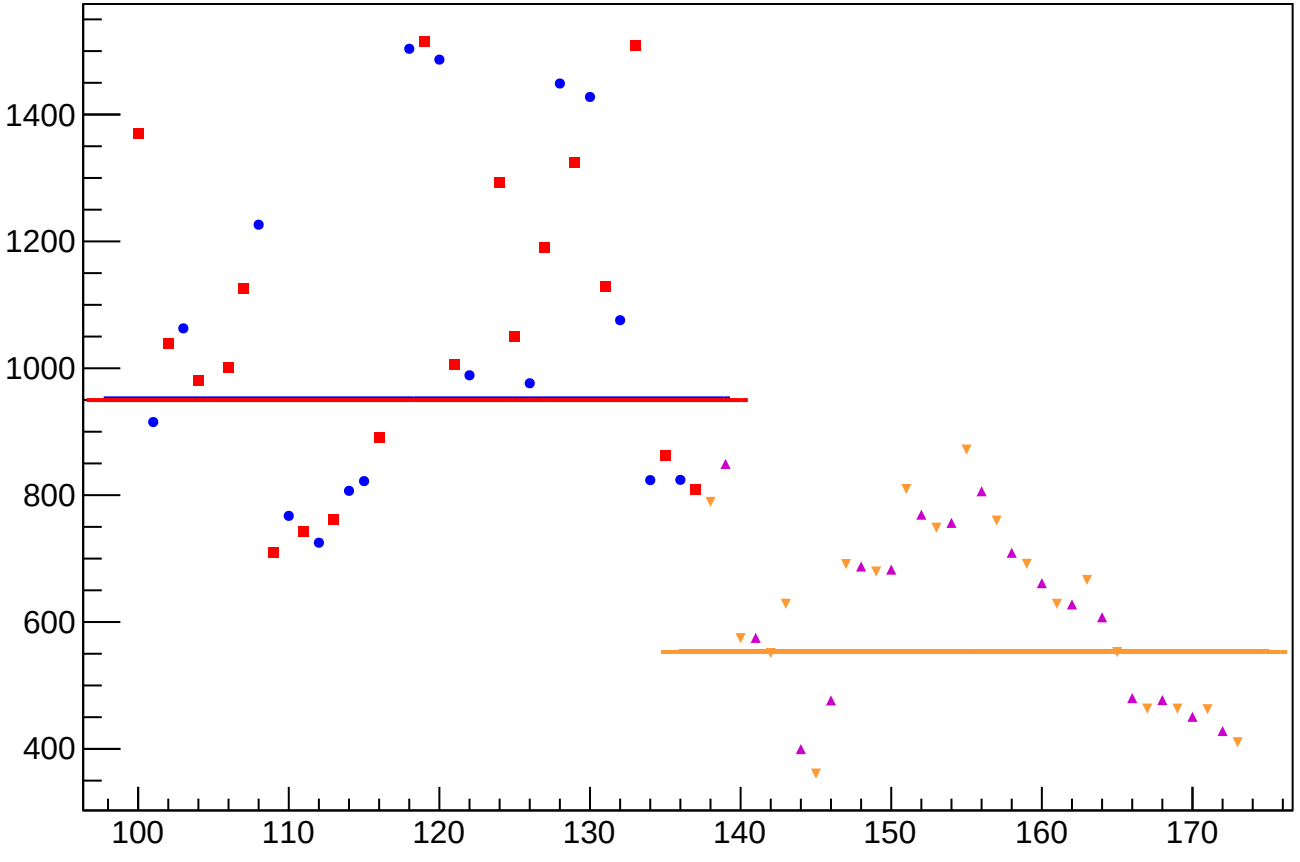
Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -23.384+/-140.986 χ^2/NDF:43.7/32

Out: -496.659+/-136.524 χ^2/NDF:87.8/37

All: -267.631+/-98.076 χ^2/NDF: 137.3/70

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: 552.772+/-0.104 χ^2/NDF:1872881.7/18

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 553.557+/-0.108 χ^2/NDF:1508183.9/16

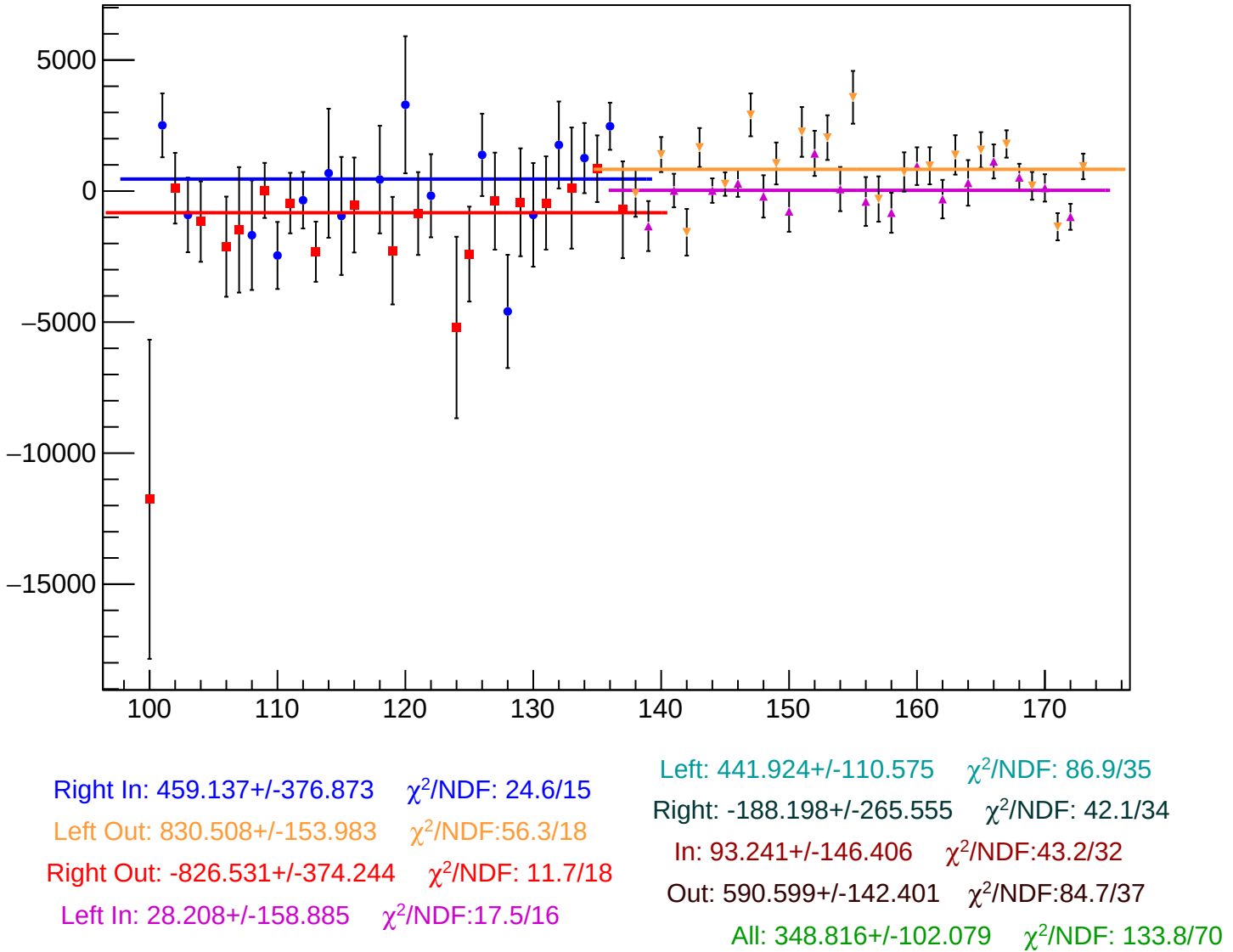
Left: 553.151+/-0.075 χ^2/NDF: 3381093.0/35

Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

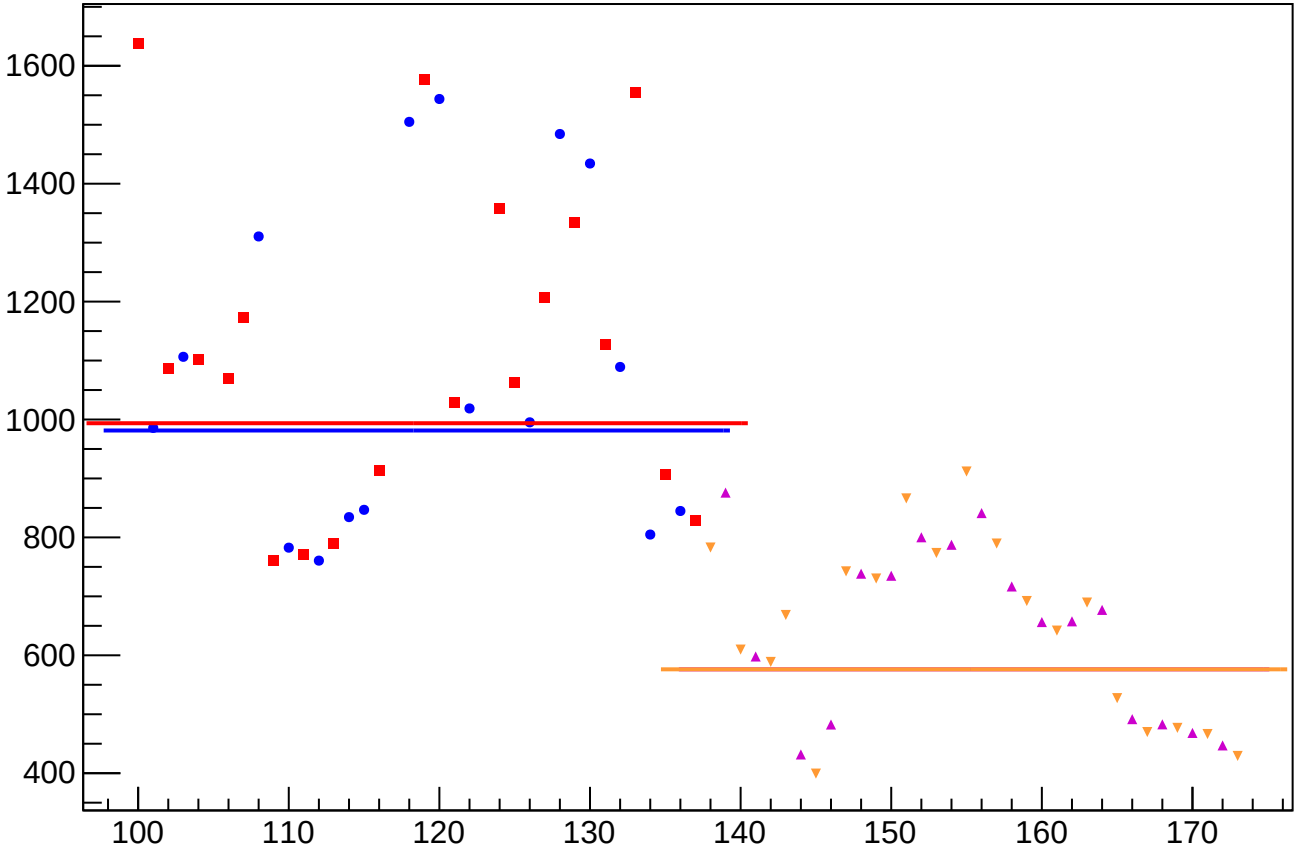
In: 612.890+/-0.100 χ^2/NDF:4282282.9/32

Out: 610.568+/-0.097 χ^2/NDF:4728924.5/37

All: 611.691+/-0.069 χ^2/NDF: 9011487.3/70


asym_sam_37_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 459.137+/-376.873 χ²/NDF: 24.6/15
Left Out: 830.508+/-153.983 χ²/NDF:56.3/18
Right Out: -826.531+/-374.244 χ²/NDF: 11.7/18
Left In: 28.208+/-158.885 χ²/NDF:17.5/16
Left: 441.924+/-110.575 χ²/NDF: 86.9/35
Right: -188.198+/-265.555 χ²/NDF: 42.1/34
In: 93.241+/-146.406 χ²/NDF:43.2/32
Out: 590.599+/-142.401 χ²/NDF:84.7/37
All: 348.816+/-102.079 χ²/NDF: 133.8/70

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 576.212+/-0.109 χ^2/NDF:1789546.1/18

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 576.173+/-0.112 χ^2/NDF:1506176.7/16

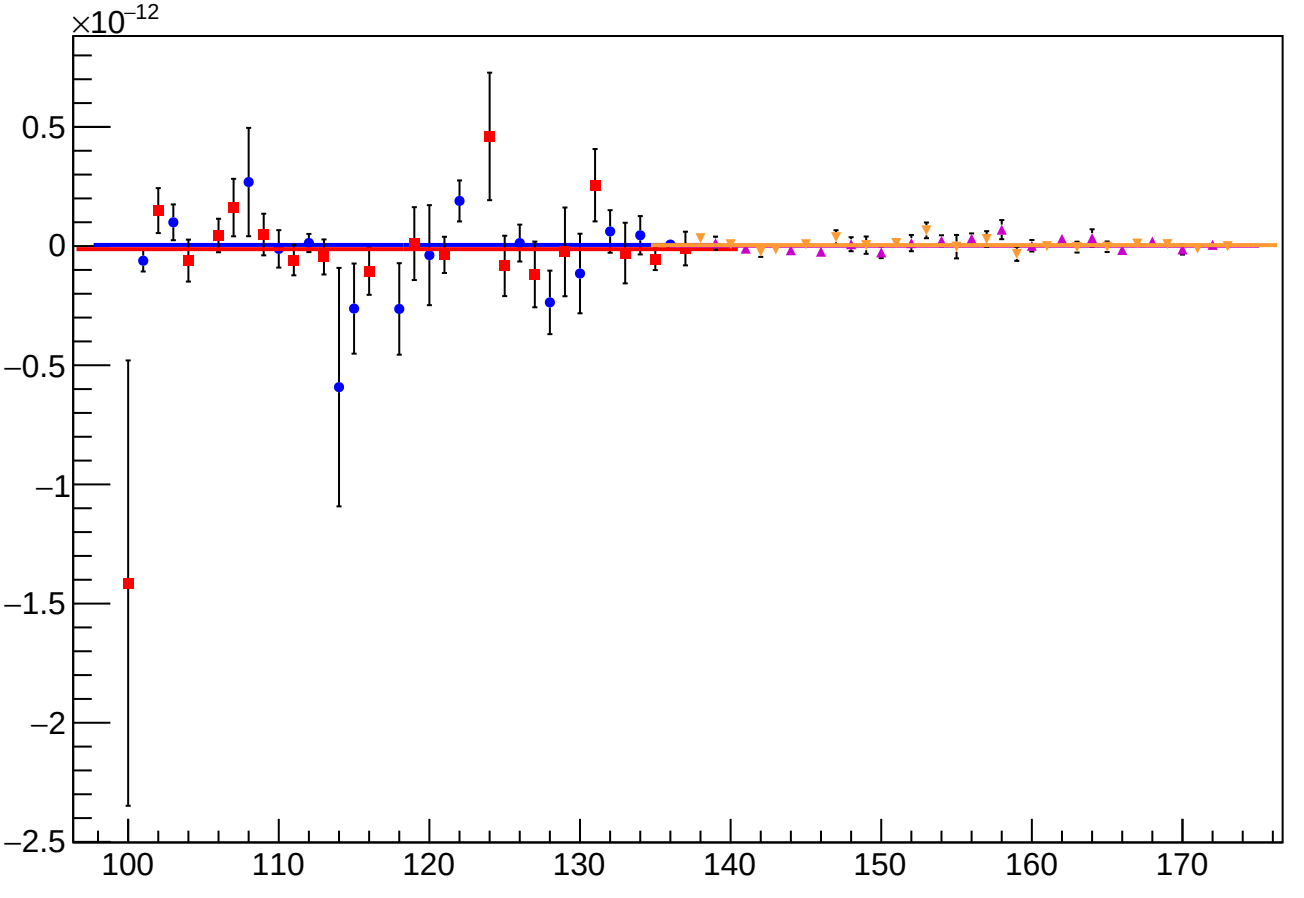
Left: 576.193+/-0.078 χ^2/NDF: 3295722.8/35

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 637.319+/-0.104 χ^2/NDF:4206617.4/32

Out: 636.654+/-0.101 χ^2/NDF:4637742.7/37

All: 636.978+/-0.072 χ^2/NDF: 8844381.2/70



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.2/16

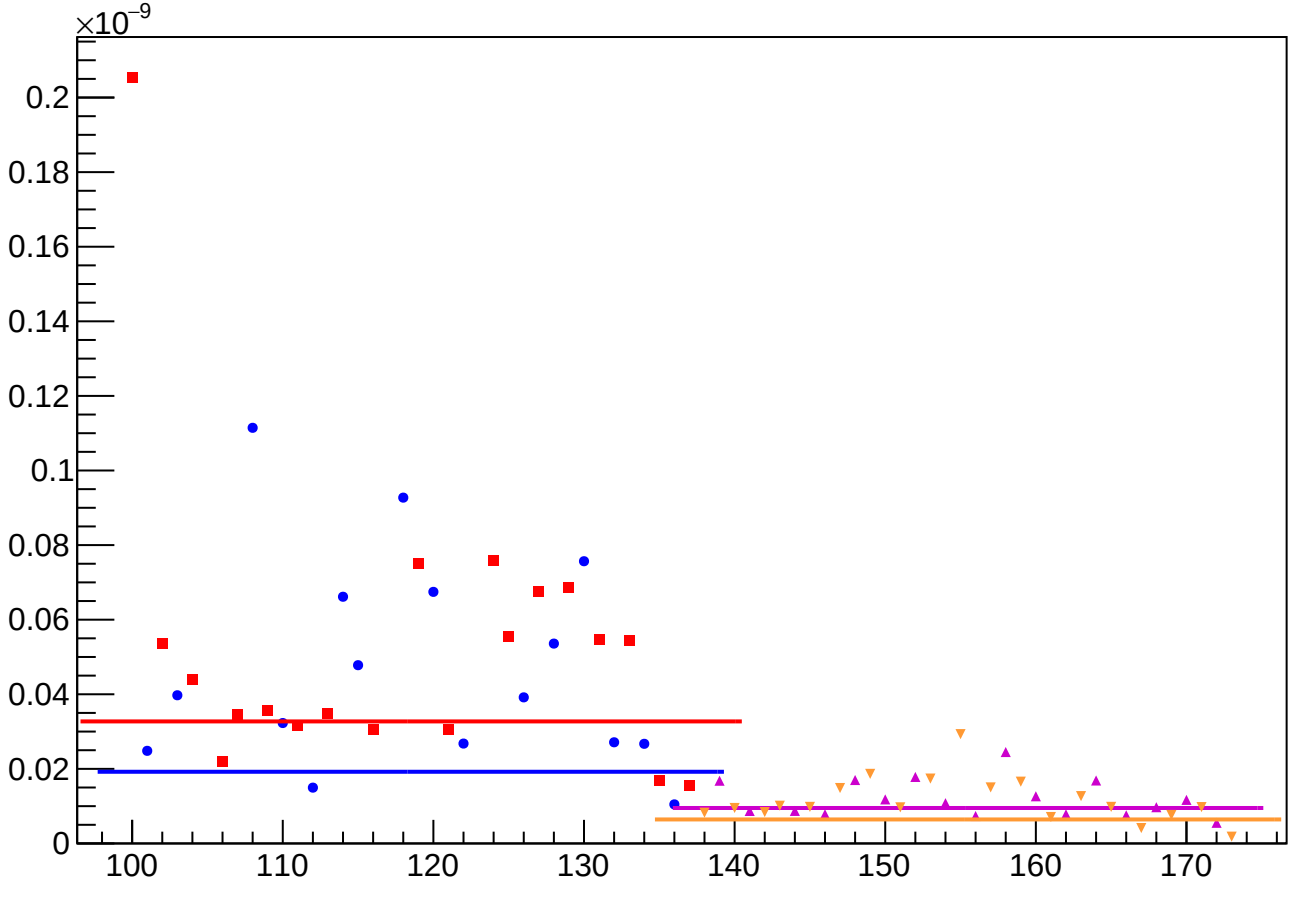
Left: 0.000+/-0.000 χ^2/NDF: 32.7/35

Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: 0.000+/-0.000 χ^2/NDF:37.9/32

Out: 0.000+/-0.000 χ^2/NDF:33.4/37

All: 0.000+/-0.000 χ^2/NDF: 71.4/70



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3198387.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1134690.0/16

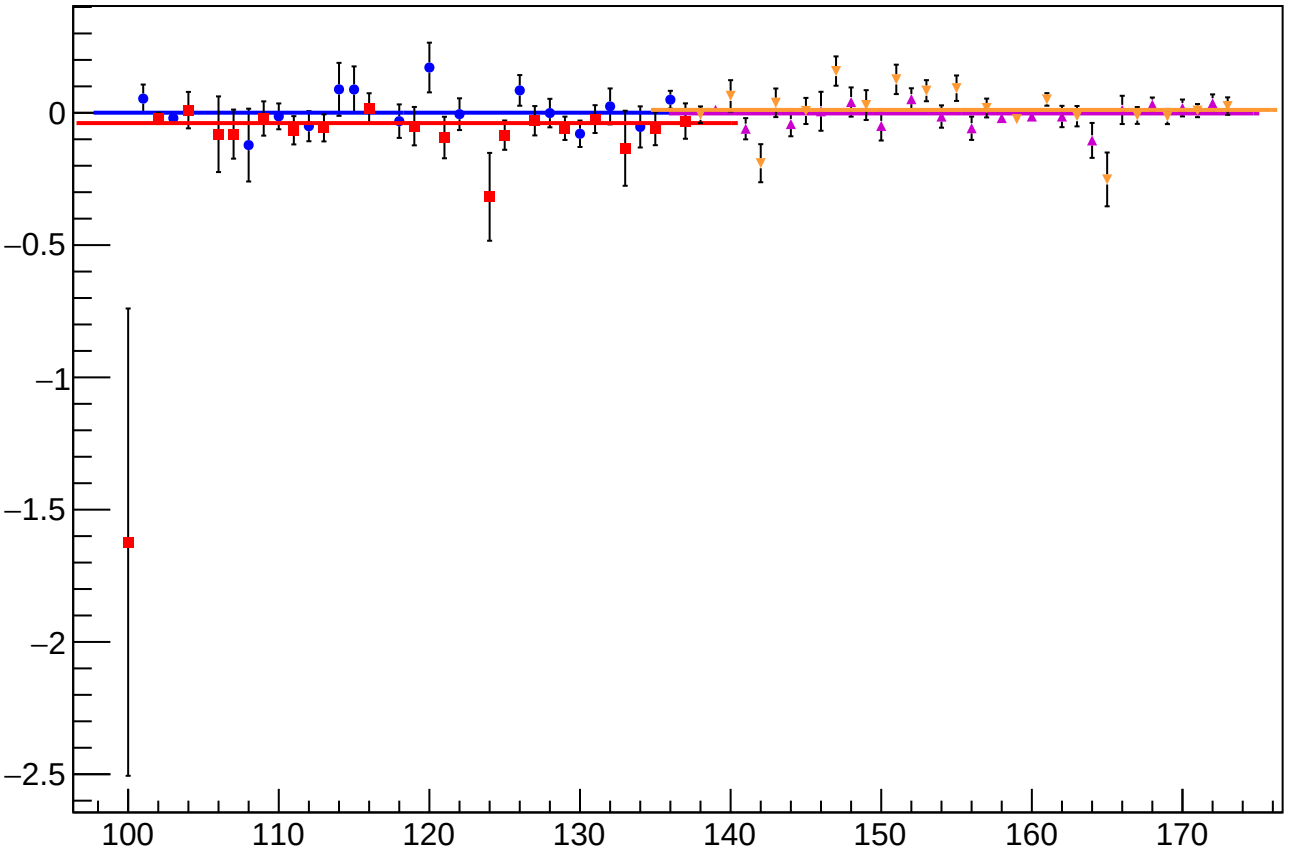
Left: 0.000+/-0.000 χ^2/NDF: 4855458.2/35

Right: 0.000+/-0.000 χ^2/NDF: 3729954.2/34

In: 0.000+/-0.000 χ^2/NDF:3927835.5/32

Out: 0.000+/-0.000 χ^2/NDF:7496519.5/37

All: 0.000+/-0.000 χ^2/NDF: 12056914.9/70



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:42.7/18

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.002+/-0.007 χ^2/NDF:15.7/16

Left: 0.004+/-0.005 χ^2/NDF: 60.0/35

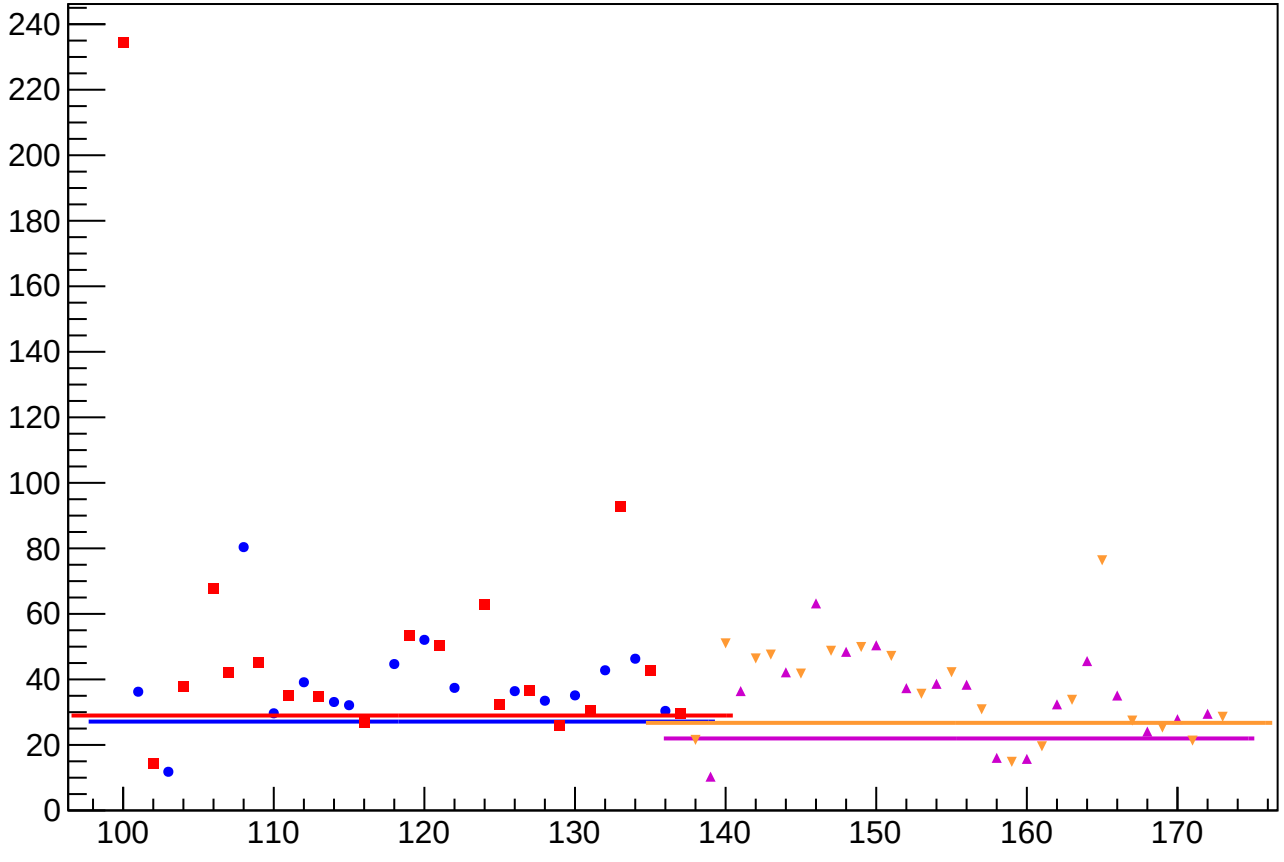
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.002+/-0.006 χ^2/NDF:32.3/32

Out: -0.003+/-0.007 χ^2/NDF:65.0/37

All: -0.002+/-0.005 χ^2/NDF: 97.3/70

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: 26.741+/-0.006 χ^2/NDF:4156963.1/18

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 21.977+/-0.005 χ^2/NDF:5785708.4/16

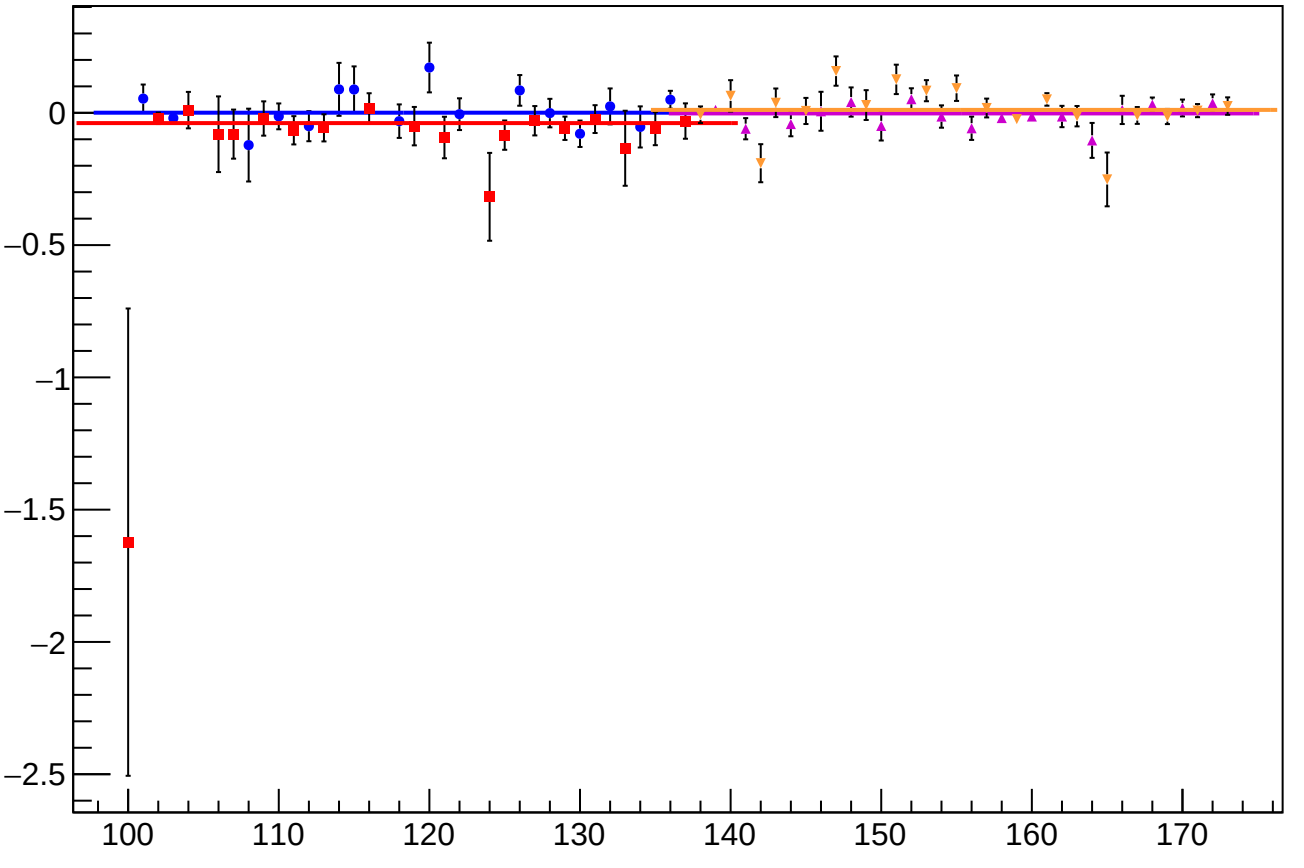
Left: 24.106+/-0.004 χ^2/NDF: 10345466.6/35

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.306+/-0.004 χ^2/NDF:8472967.5/32

Out: 27.369+/-0.005 χ^2/NDF:6658349.9/37

All: 25.153+/-0.003 χ^2/NDF: 15532973.3/70



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:42.7/18

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.002+/-0.007 χ^2/NDF:15.7/16

Left: 0.004+/-0.005 χ^2/NDF: 60.0/35

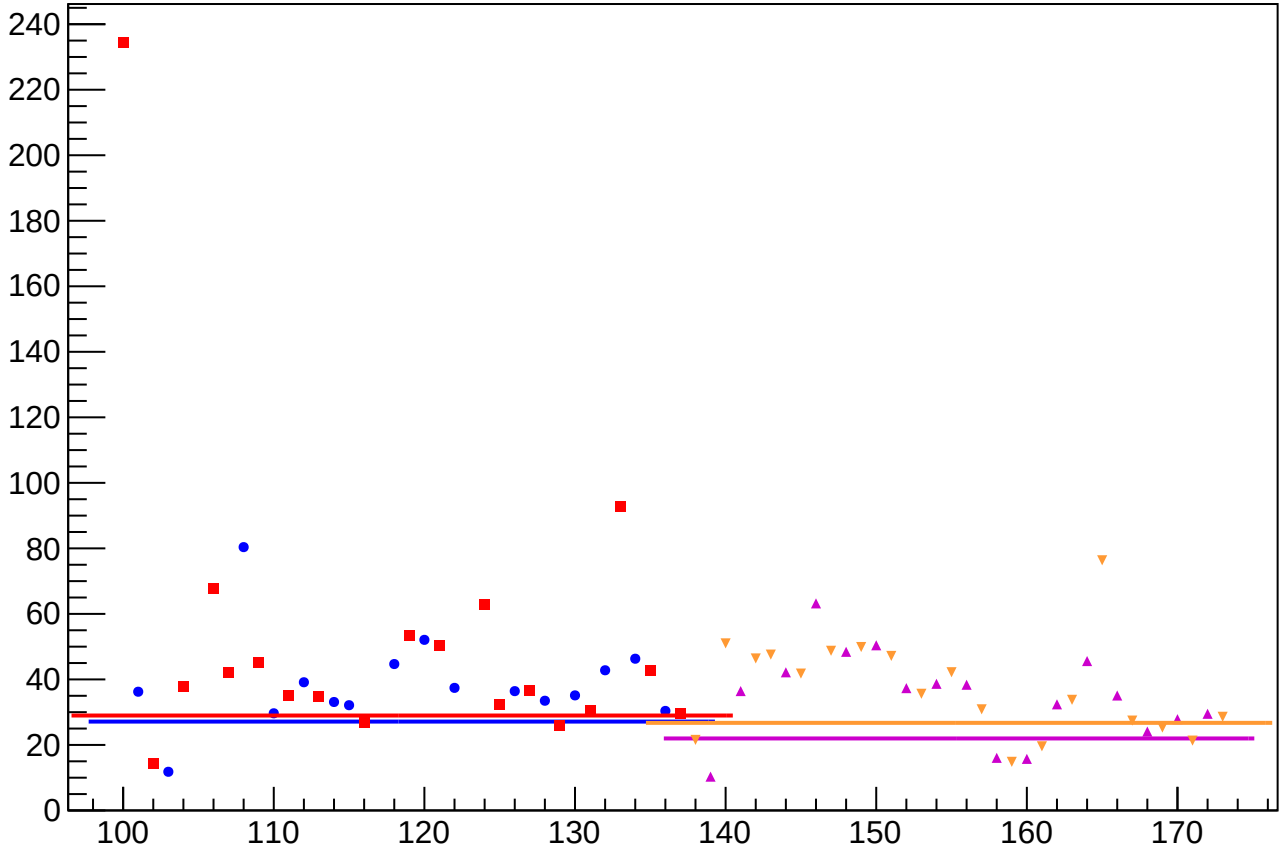
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.002+/-0.006 χ^2/NDF:32.3/32

Out: -0.003+/-0.007 χ^2/NDF:65.0/37

All: -0.002+/-0.005 χ^2/NDF: 97.3/70

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: 26.741+/-0.006 χ^2/NDF:4156963.1/18

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 21.977+/-0.005 χ^2/NDF:5785708.4/16

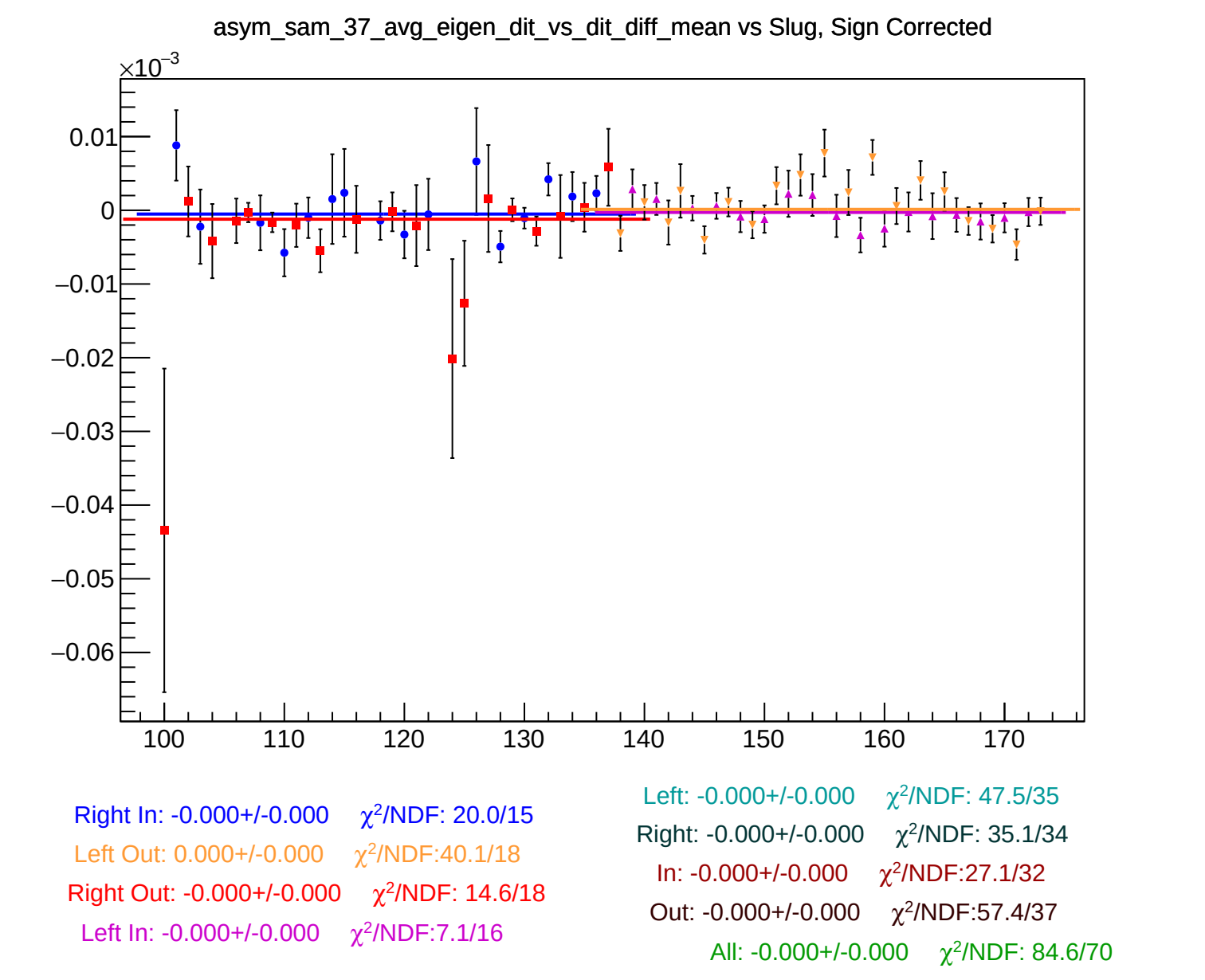
Left: 24.106+/-0.004 χ^2/NDF: 10345466.6/35

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

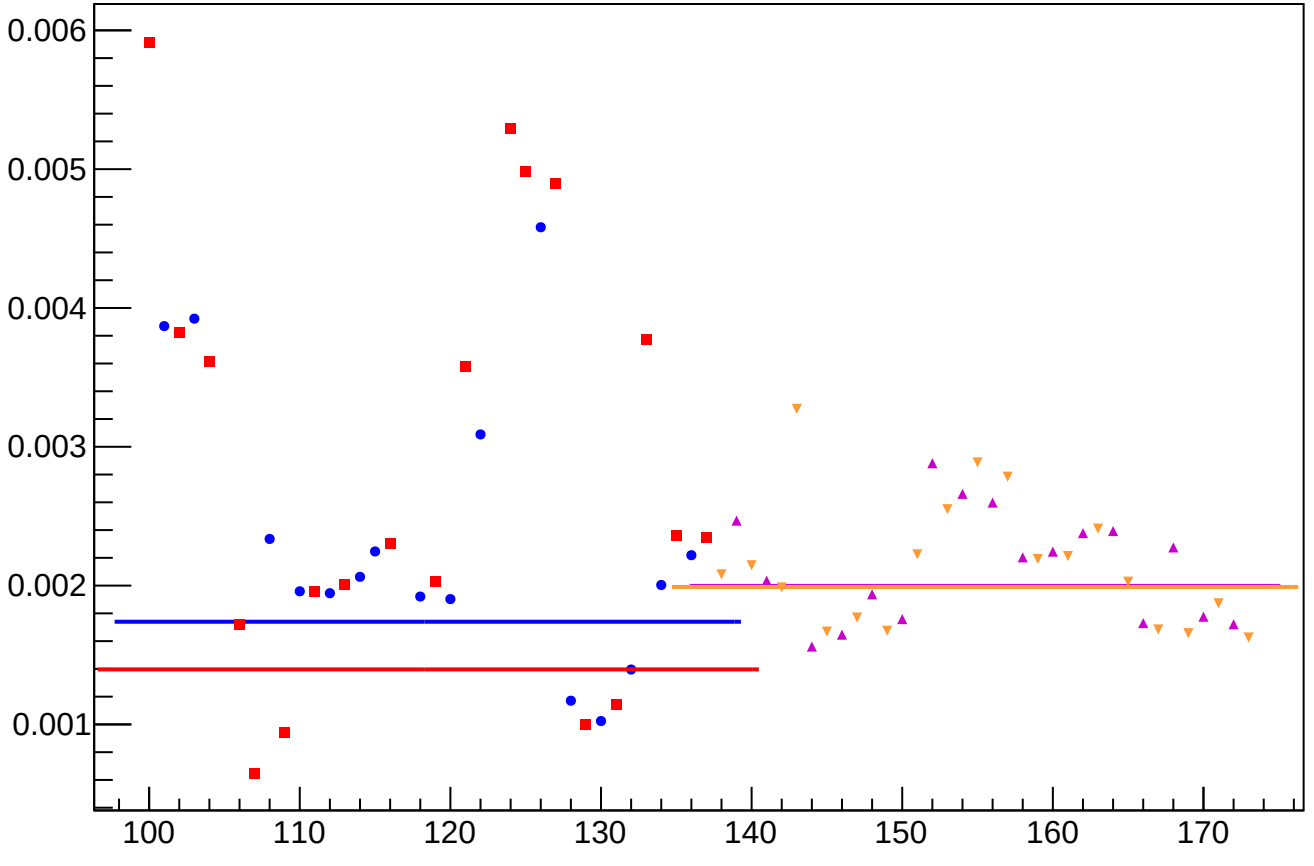
In: 23.306+/-0.004 χ^2/NDF:8472967.5/32

Out: 27.369+/-0.005 χ^2/NDF:6658349.9/37

All: 25.153+/-0.003 χ^2/NDF: 15532973.3/70


asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
−0.06
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 20.0/15
Left Out: 0.000+/-0.000 χ²/NDF:40.1/18
Right Out: -0.000+/-0.000 χ²/NDF: 14.6/18
Left In: -0.000+/-0.000 χ²/NDF:7.1/16
Left: -0.000+/-0.000 χ²/NDF: 47.5/35
Right: -0.000+/-0.000 χ²/NDF: 35.1/34
In: -0.000+/-0.000 χ²/NDF:27.1/32
Out: -0.000+/-0.000 χ²/NDF:57.4/37
All: -0.000+/-0.000 χ²/NDF: 84.6/70

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1080098.2/18

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:899316.5/16

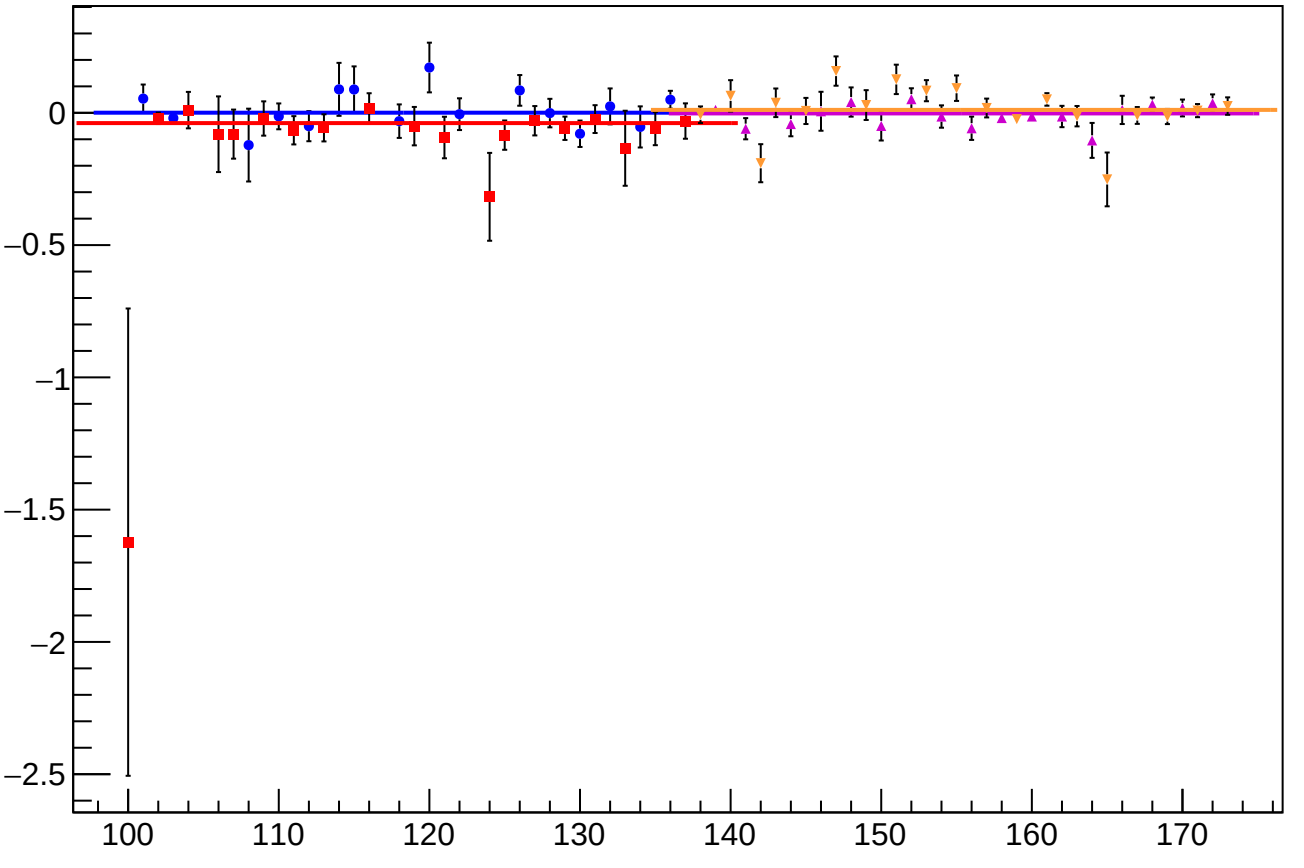
Left: 0.002+/-0.000 χ^2/NDF: 1979598.6/35

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:3210356.6/32

Out: 0.002+/-0.000 χ^2/NDF:6487942.3/37

All: 0.002+/-0.000 χ^2/NDF: 9855714.0/70



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:42.7/18

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.002+/-0.007 χ^2/NDF:15.8/16

Left: 0.004+/-0.005 χ^2/NDF: 60.0/35

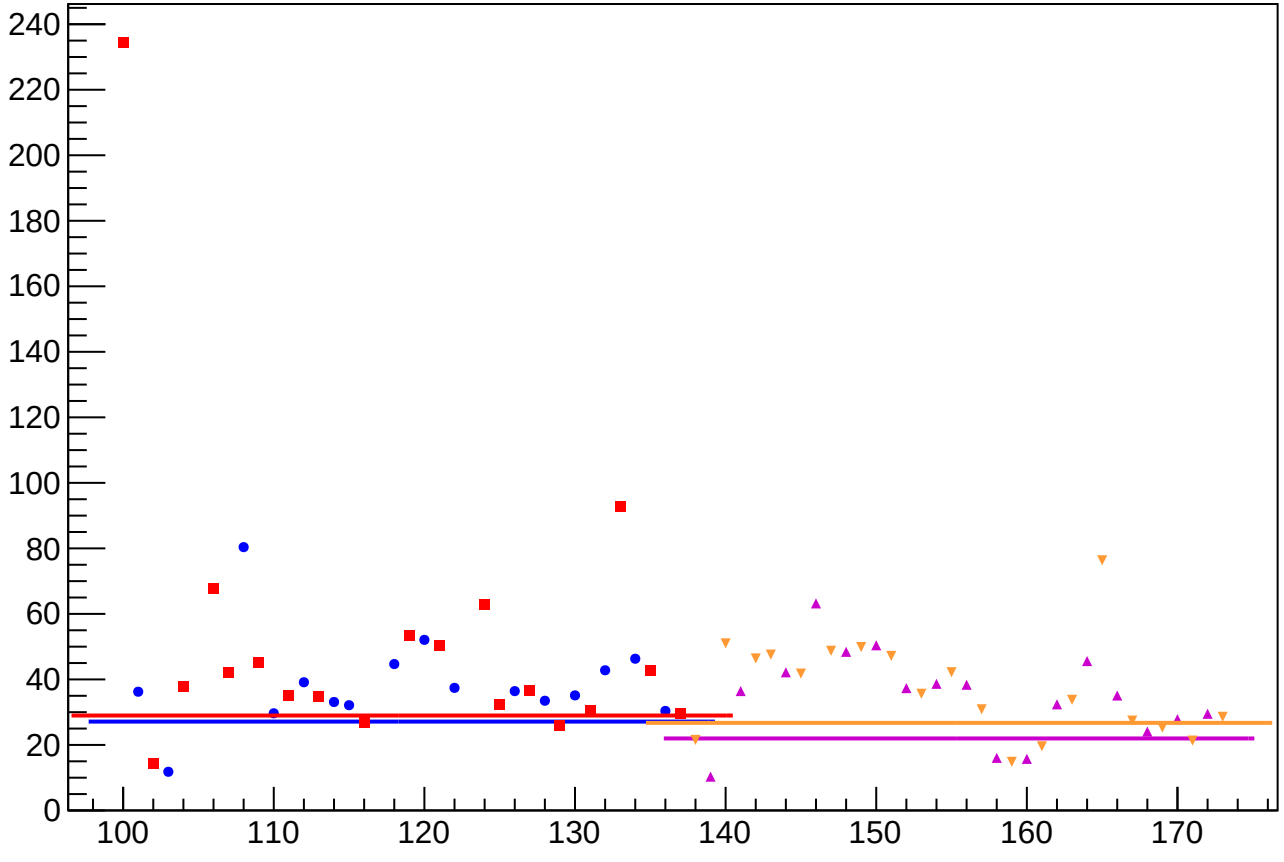
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.002+/-0.006 χ^2/NDF:32.3/32

Out: -0.003+/-0.007 χ^2/NDF:65.0/37

All: -0.002+/-0.005 χ^2/NDF: 97.3/70

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: 26.740+/-0.006 χ^2/NDF:4157370.2/18

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 21.976+/-0.005 χ^2/NDF:5786590.1/16

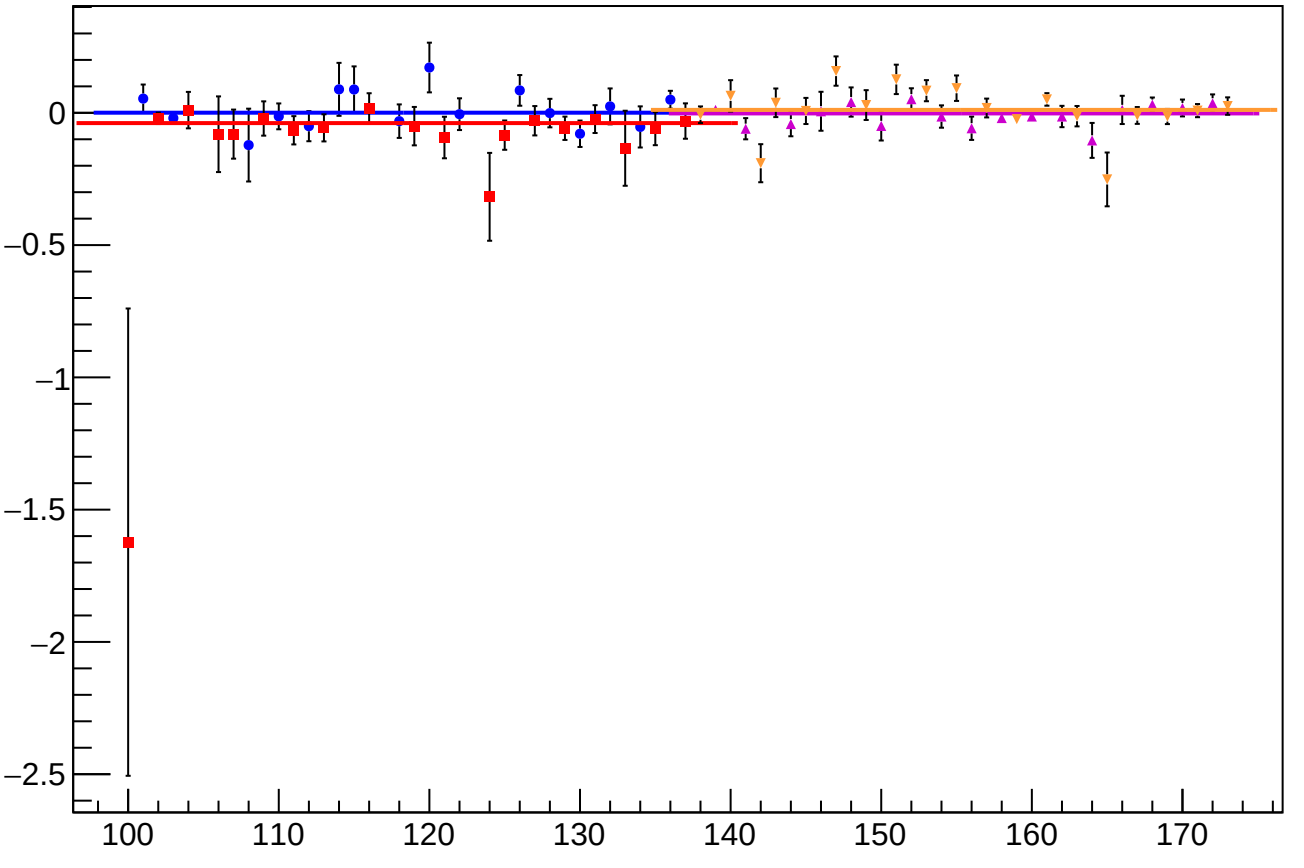
Left: 24.105+/-0.004 χ^2/NDF: 10346891.7/35

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.305+/-0.004 χ^2/NDF:8474234.5/32

Out: 27.369+/-0.005 χ^2/NDF:6658284.6/37

All: 25.153+/-0.003 χ^2/NDF: 15534471.6/70



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:42.7/18

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.002+/-0.007 χ^2/NDF:15.8/16

Left: 0.004+/-0.005 χ^2/NDF: 60.0/35

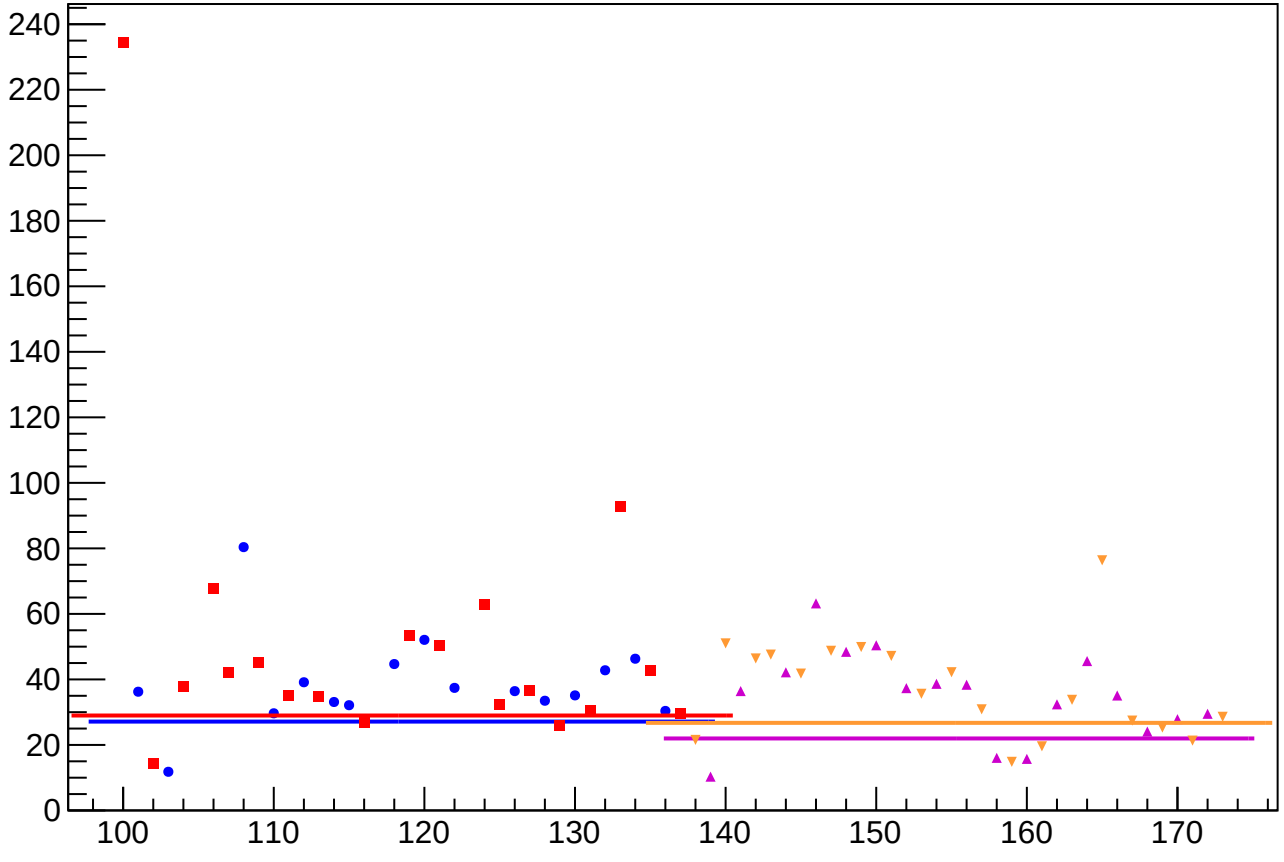
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.002+/-0.006 χ^2/NDF:32.3/32

Out: -0.003+/-0.007 χ^2/NDF:65.0/37

All: -0.002+/-0.005 χ^2/NDF: 97.3/70

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: 26.740+/-0.006 χ^2/NDF:4157370.2/18

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 21.976+/-0.005 χ^2/NDF:5786590.1/16

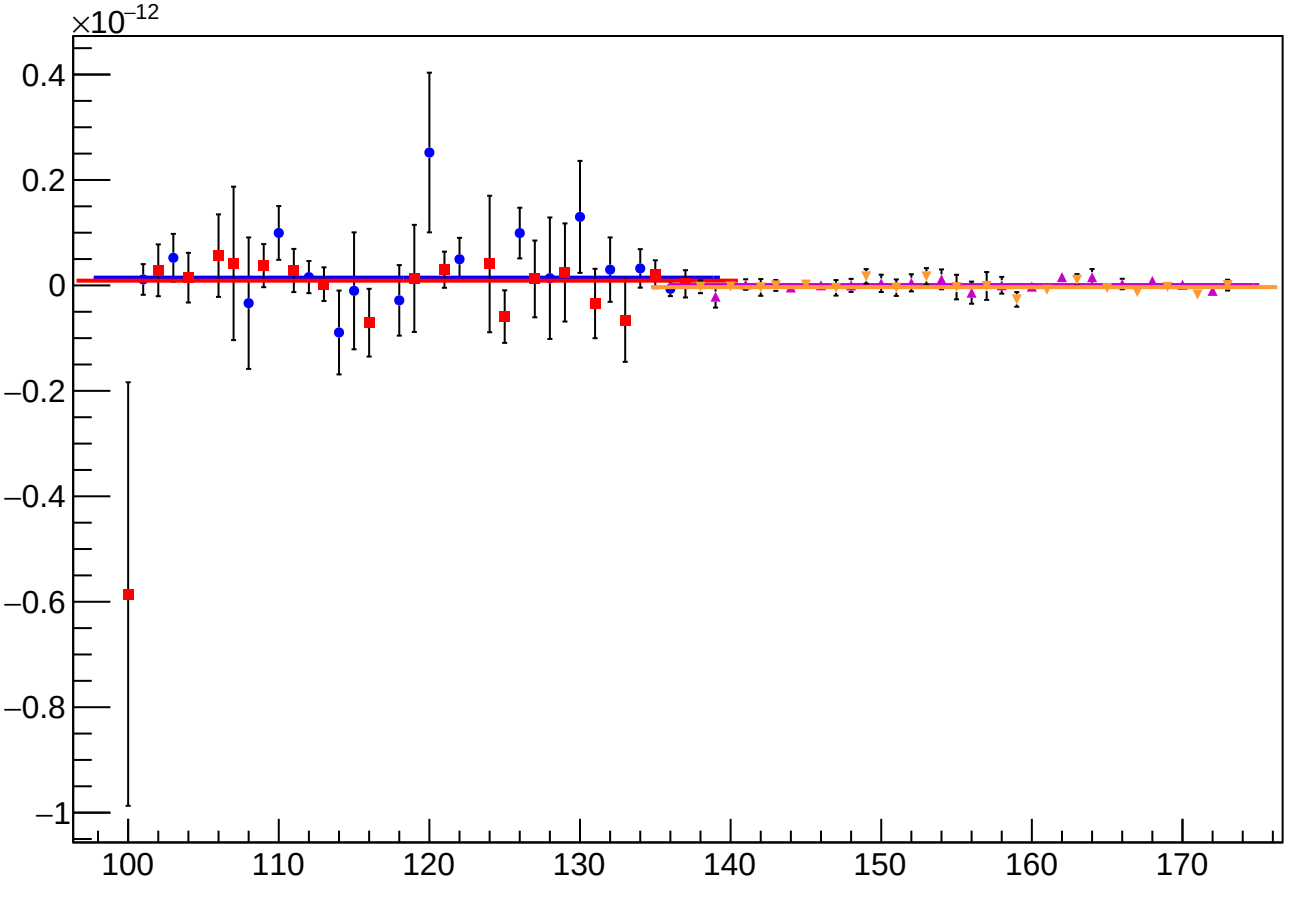
Left: 24.105+/-0.004 χ^2/NDF: 10346891.7/35

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.305+/-0.004 χ^2/NDF:8474234.5/32

Out: 27.369+/-0.005 χ^2/NDF:6658284.6/37

All: 25.153+/-0.003 χ^2/NDF: 15534471.6/70



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.3/16

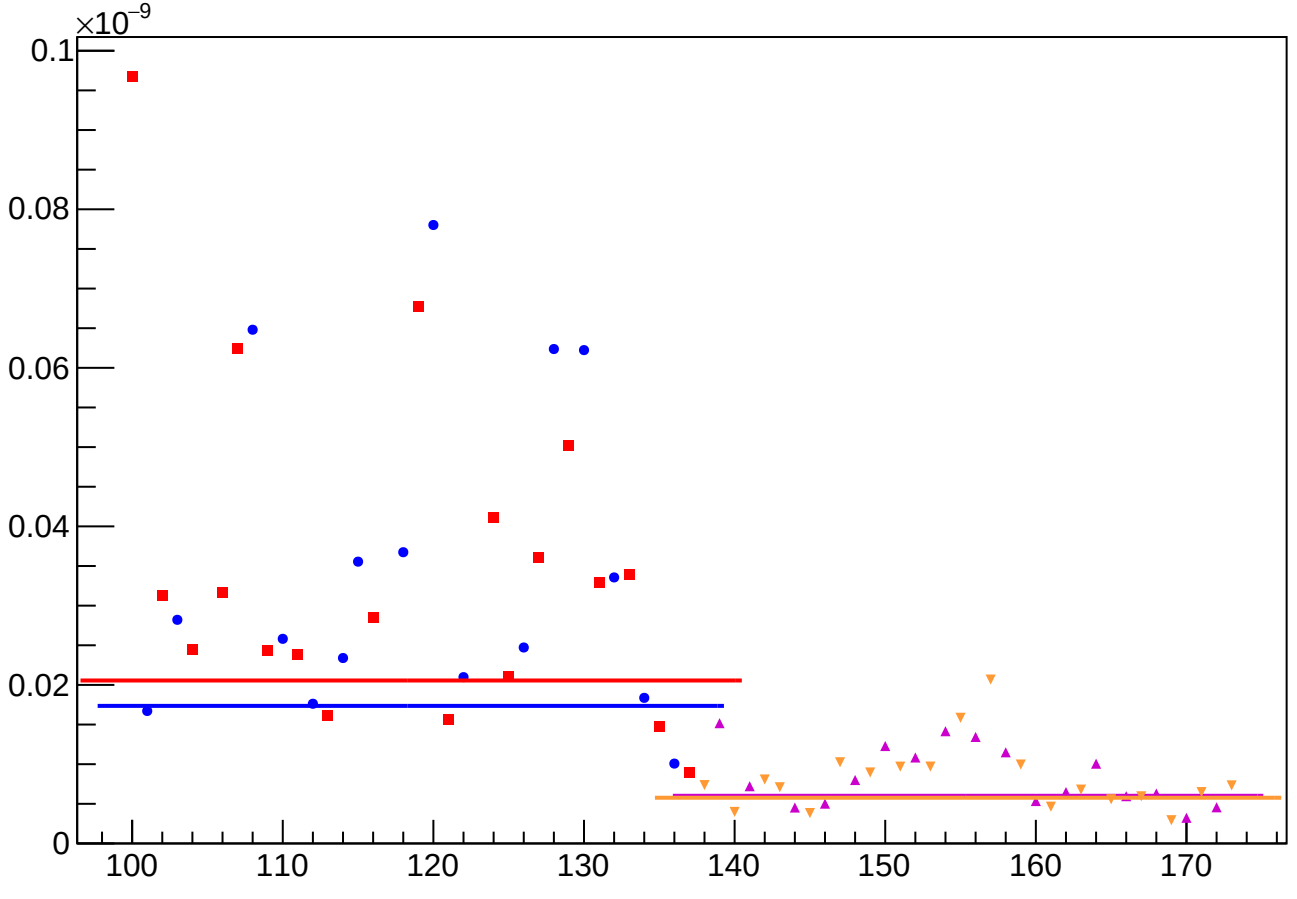
Left: -0.000+/-0.000 χ^2/NDF: 24.1/35

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: 0.000+/-0.000 χ^2/NDF:27.4/32

Out: -0.000+/-0.000 χ^2/NDF:23.6/37

All: -0.000+/-0.000 χ^2/NDF: 52.7/70



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2797399.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2667194.9/16

Left: 0.000+/-0.000 χ^2/NDF: 5475858.1/35

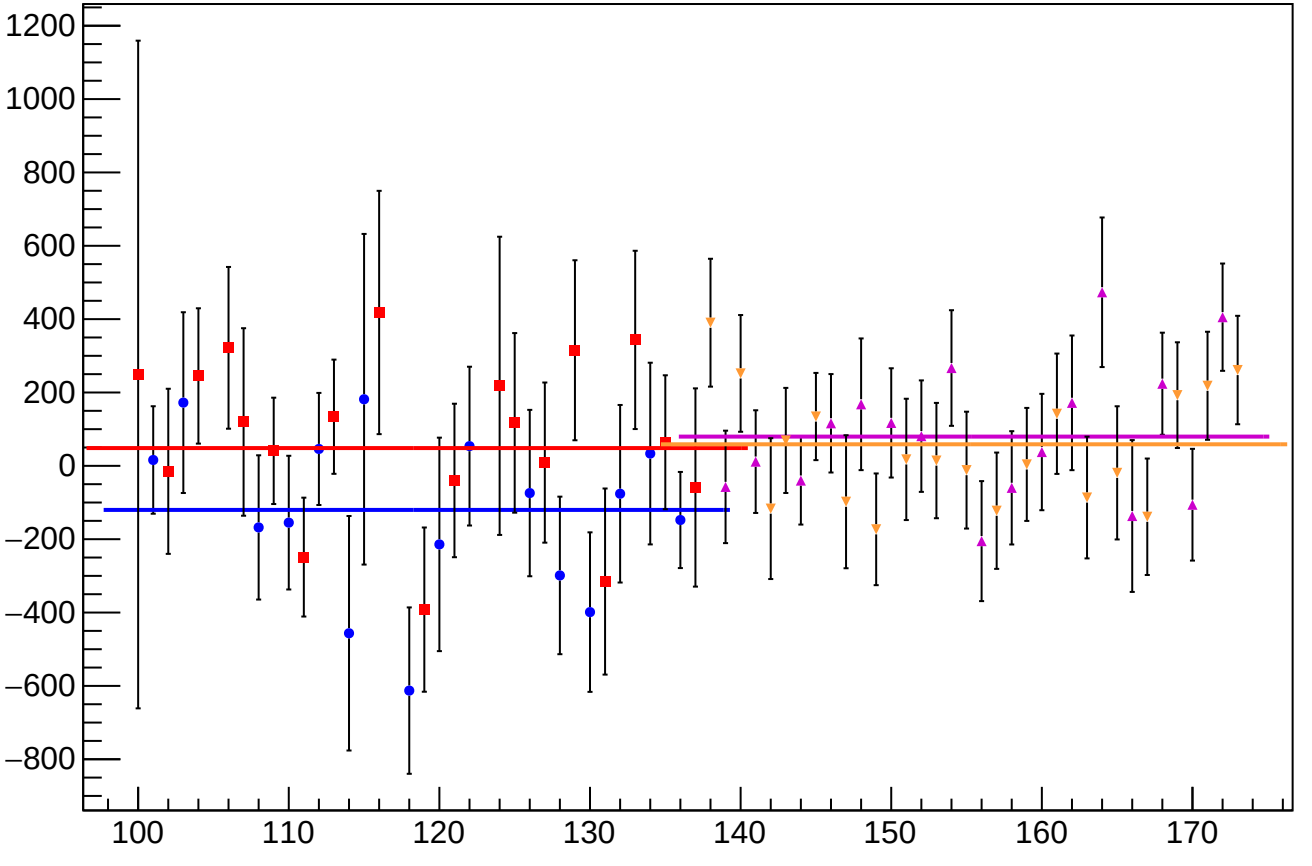
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:7816891.4/32

Out: 0.000+/-0.000 χ^2/NDF:8301250.8/37

All: 0.000+/-0.000 χ^2/NDF: 16137324.4/70

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 58.766+/-35.939 χ^2/NDF:17.8/18

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: 79.734+/-37.380 χ^2/NDF:20.3/16

Left: 68.838+/-25.907 χ^2/NDF: 38.3/35

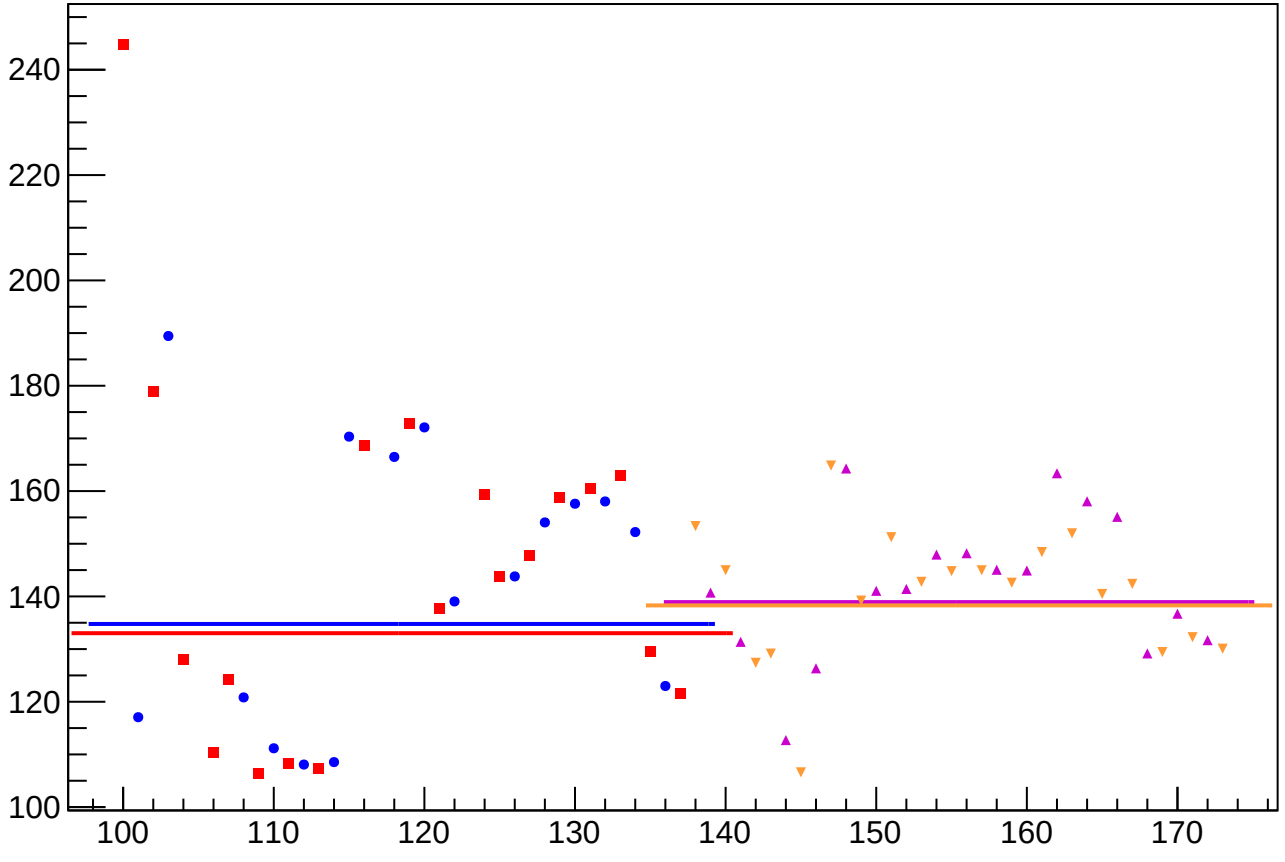
Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: 10.062+/-30.170 χ^2/NDF:43.7/32

Out: 55.243+/-29.165 χ^2/NDF:34.9/37

All: 33.418+/-20.969 χ^2/NDF: 79.7/70

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 138.293+/-0.025 χ^2/NDF:280383.9/18

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 138.921+/-0.026 χ^2/NDF:259375.4/16

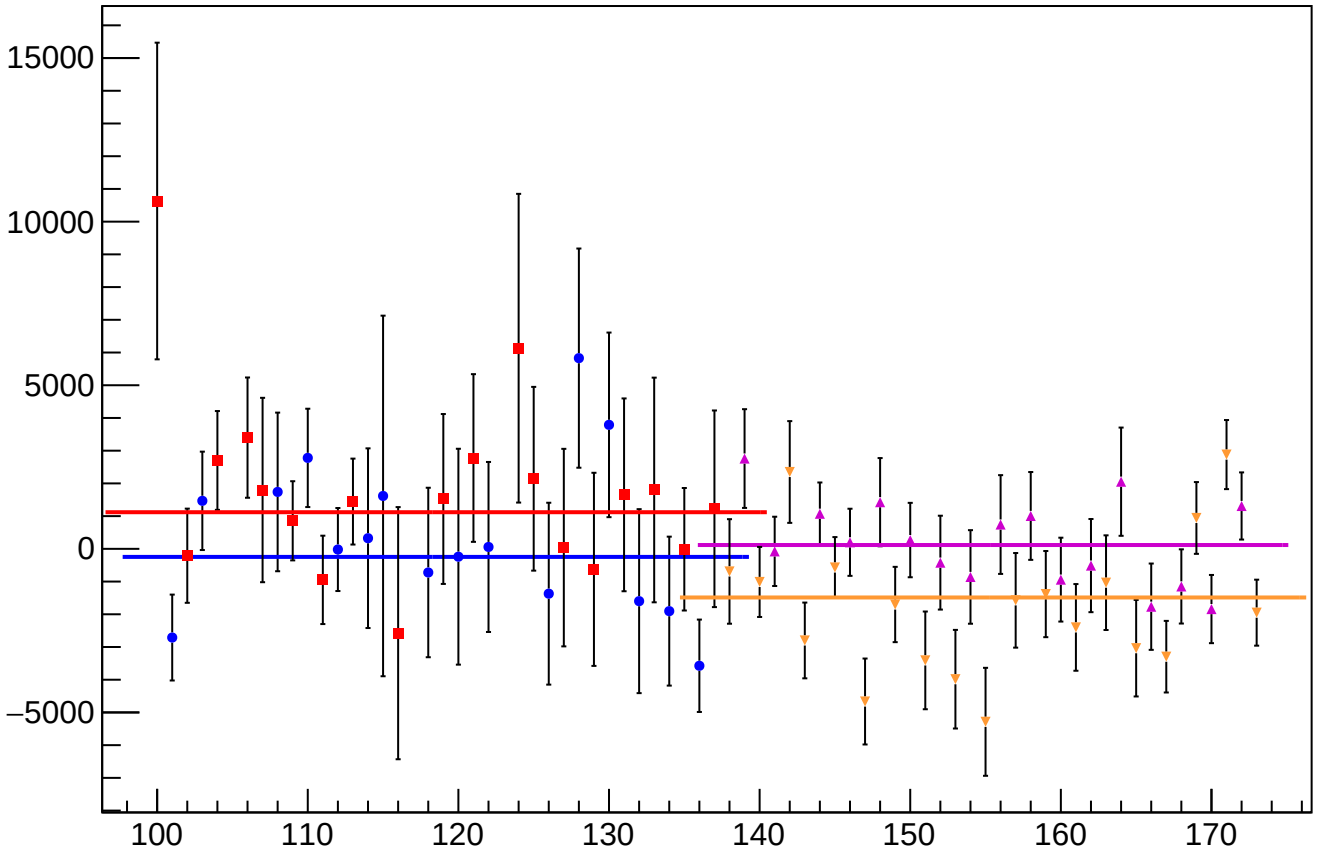
Left: 138.595+/-0.018 χ^2/NDF: 540052.8/35

Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 137.475+/-0.021 χ^2/NDF:684746.4/32

Out: 136.492+/-0.021 χ^2/NDF:790805.9/37

All: 136.967+/-0.015 χ^2/NDF: 1476648.6/70



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1486.501+/-285.331 χ^2/NDF:51.1/18

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 116.705+/-296.680 χ^2/NDF:16.7/16

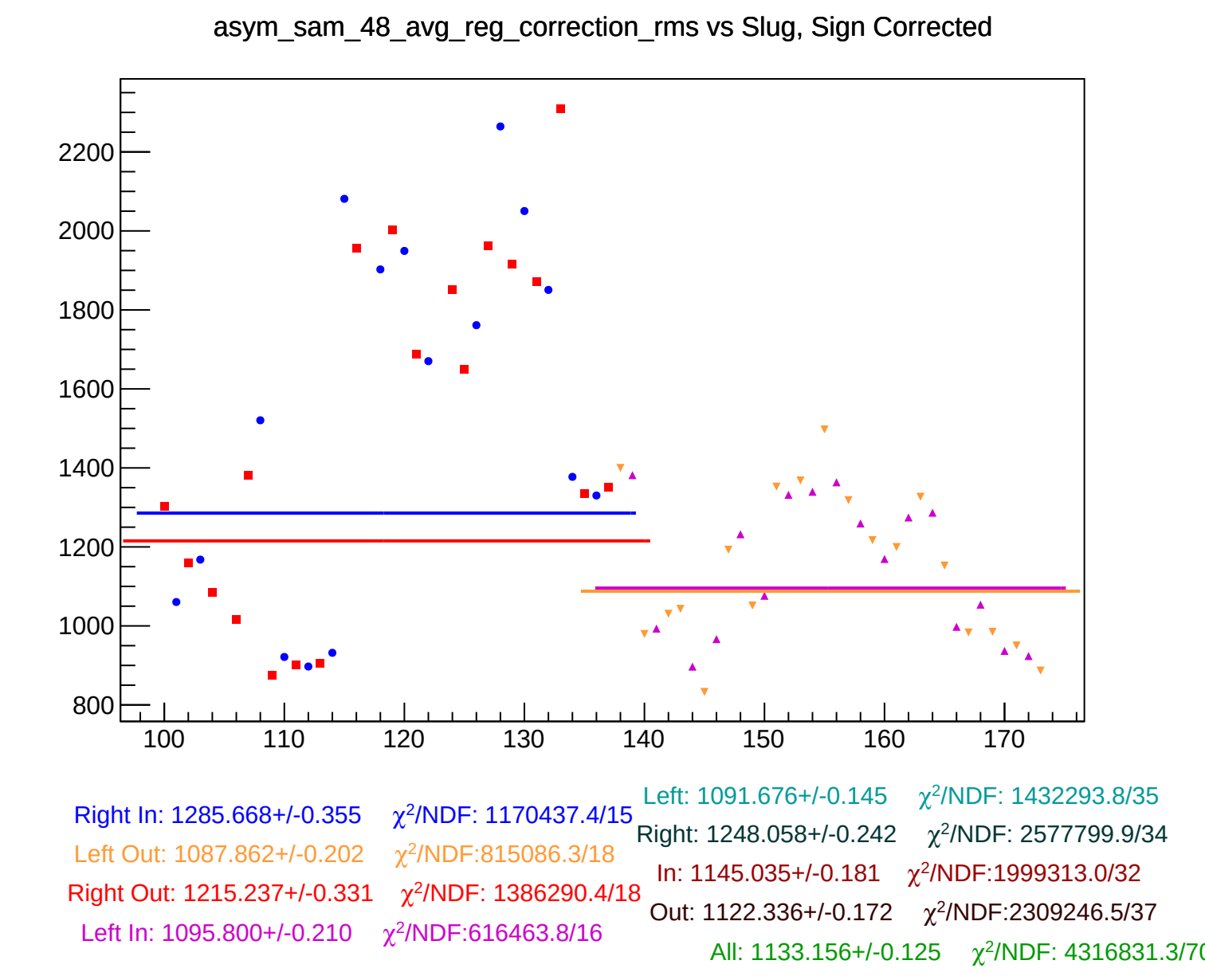
Left: -716.146+/-205.655 χ^2/NDF: 82.9/35

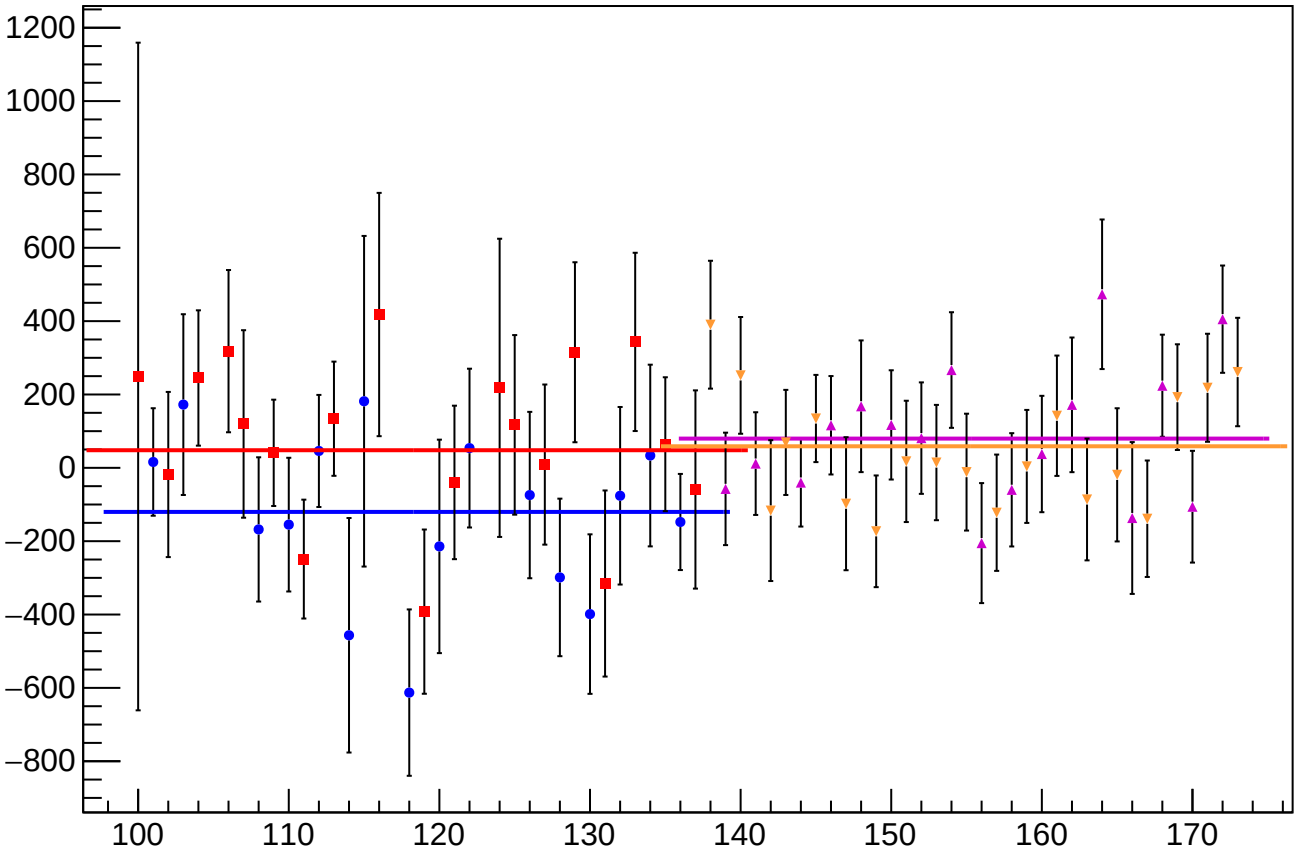
Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 22.559+/-255.332 χ^2/NDF:38.7/32

Out: -781.215+/-243.679 χ^2/NDF:87.0/37

All: -398.088+/-176.283 χ^2/NDF: 130.9/70


asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
170
Right In: 1285.668+/-0.355 χ²/NDF: 1170437.4/15
Left Out: 1087.862+/-0.202 χ²/NDF:815086.3/18
Right Out: 1215.237+/-0.331 χ²/NDF: 1386290.4/18
Left In: 1095.800+/-0.210 χ²/NDF:616463.8/16
Left: 1091.676+/-0.145 χ²/NDF: 1432293.8/35
Right: 1248.058+/-0.242 χ²/NDF: 2577799.9/34
In: 1145.035+/-0.181 χ²/NDF:1999313.0/32
Out: 1122.336+/-0.172 χ²/NDF:2309246.5/37
All: 1133.156+/-0.125 χ²/NDF: 4316831.3/70



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 58.769+/-35.939 χ^2/NDF:17.8/18

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 79.734+/-37.380 χ^2/NDF:20.3/16

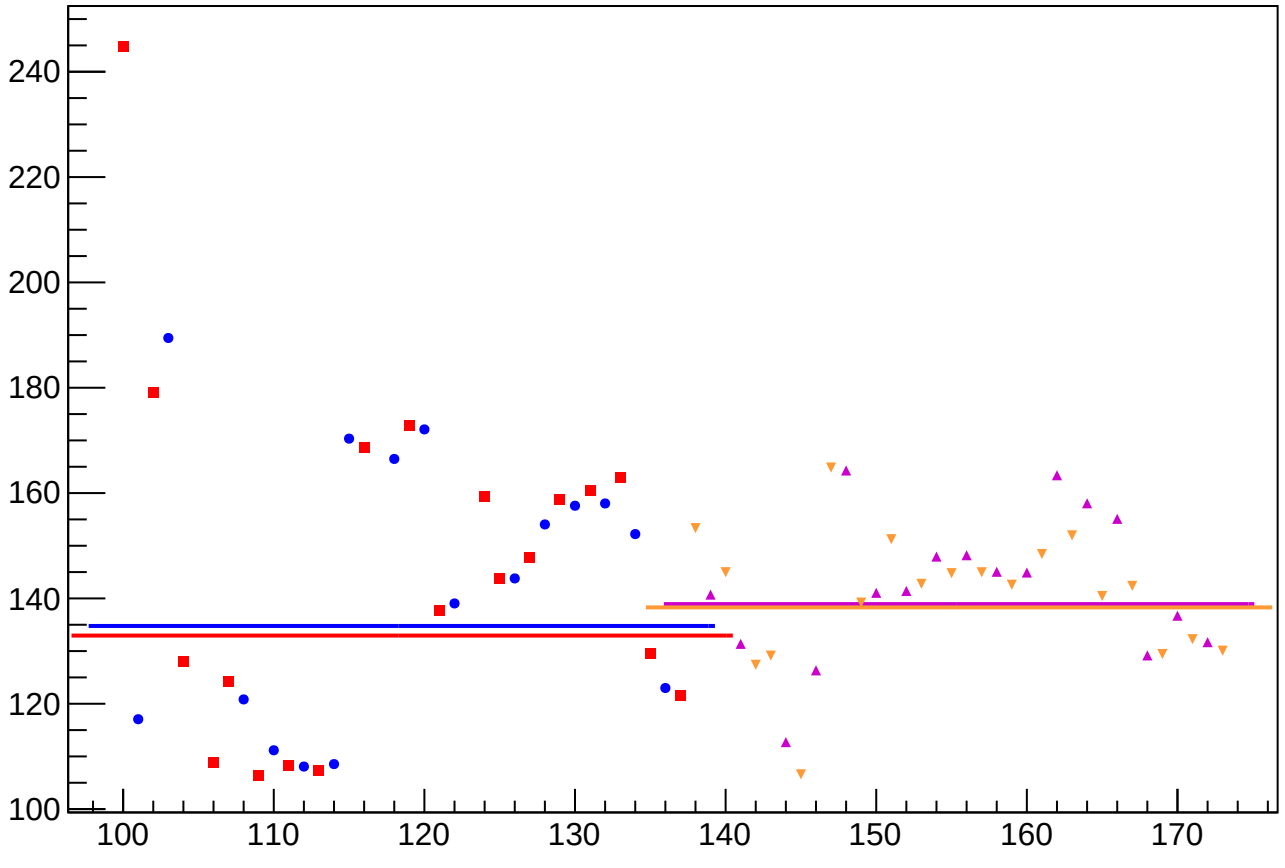
Left: 68.840+/-25.907 χ^2/NDF: 38.3/35

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: 10.058+/-30.170 χ^2/NDF:43.7/32

Out: 55.097+/-29.166 χ^2/NDF:34.8/37

All: 33.339+/-20.970 χ^2/NDF: 79.7/70



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 138.293+/-0.025 χ^2/NDF:280383.9/18

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 138.921+/-0.026 χ^2/NDF:259375.4/16

Left: 138.595+/-0.018 χ^2/NDF: 540052.8/35

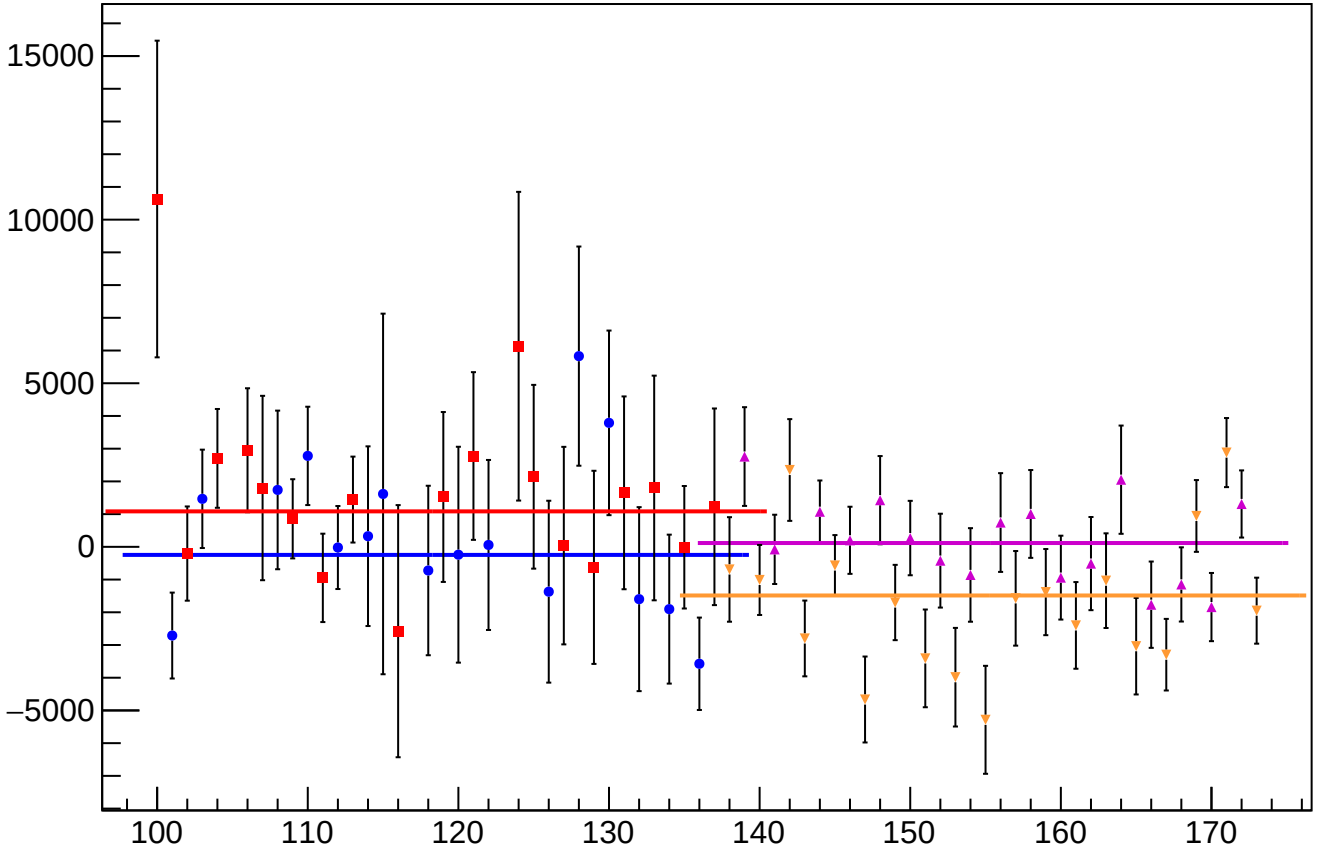
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 137.475+/-0.021 χ^2/NDF:684749.4/32

Out: 136.468+/-0.021 χ^2/NDF:794342.3/37

All: 136.954+/-0.015 χ^2/NDF: 1480242.7/70

asym_sam_48_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1486.497+/-285.331 χ^2/NDF:51.0/18

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 116.714+/-296.680 χ^2/NDF:16.7/16

Left: -716.139+/-205.655 χ^2/NDF: 82.9/35

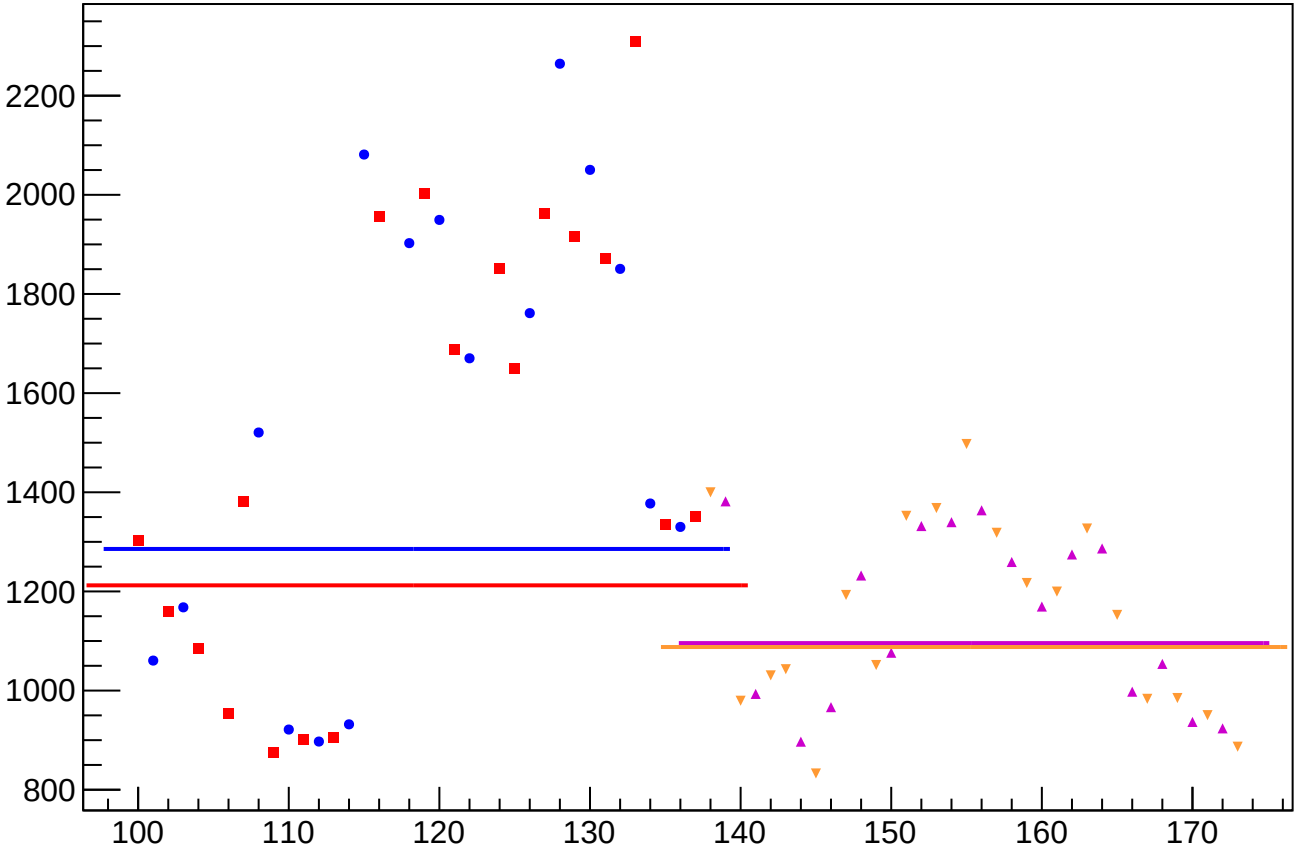
Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 22.549+/-255.333 χ^2/NDF:38.7/32

Out: -792.771+/-243.809 χ^2/NDF:85.7/37

All: -403.925+/-176.332 χ^2/NDF: 129.8/70

asym_sam_48_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1087.862+/-0.202 χ^2/NDF:815087.0/18

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1095.800+/-0.210 χ^2/NDF:616463.0/16

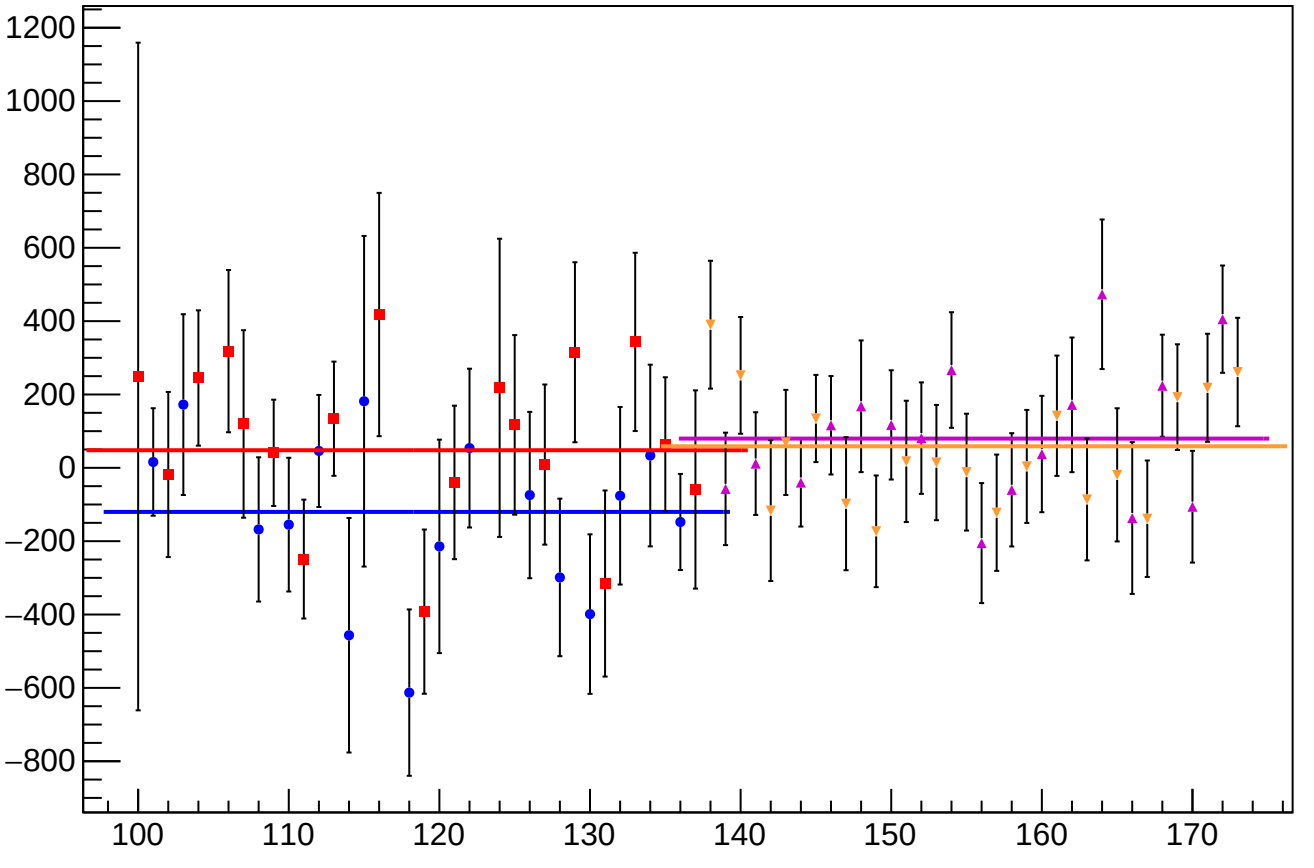
Left: 1091.677+/-0.145 χ^2/NDF: 1432293.7/35

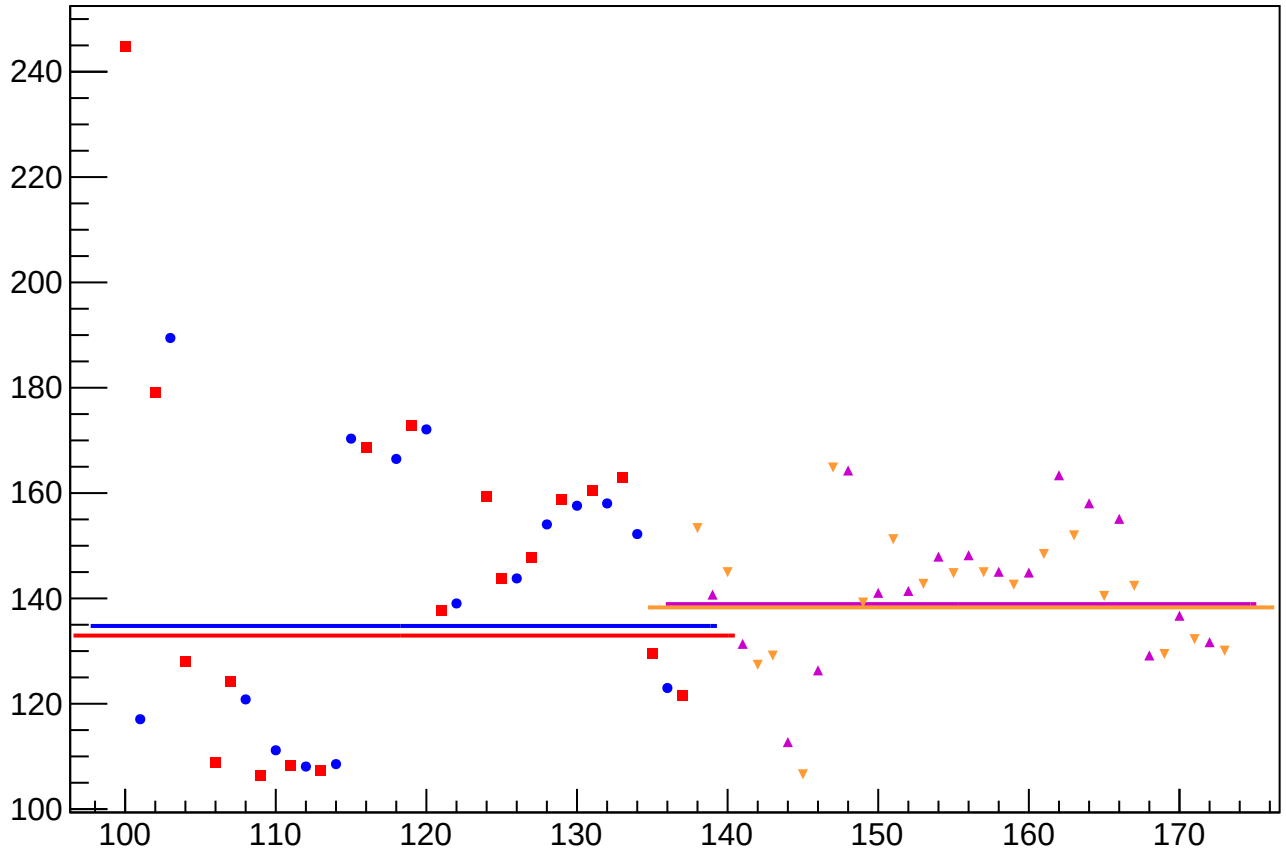
Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1145.038+/-0.181 χ^2/NDF:1999314.4/32

Out: 1121.438+/-0.172 χ^2/NDF:2318339.2/37

All: 1132.693+/-0.125 χ^2/NDF: 4326590.7/70


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
170
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 58.769+/-35.939 χ²/NDF:17.8/18
Right Out: 48.013+/-49.919 χ²/NDF: 17.0/18
Left In: 79.734+/-37.380 χ²/NDF:20.3/16
Left: 68.840+/-25.907 χ²/NDF: 38.3/35
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: 10.058+/-30.170 χ²/NDF:43.7/32
Out: 55.097+/-29.166 χ²/NDF:34.8/37
All: 33.339+/-20.970 χ²/NDF: 79.7/70



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 138.293+/-0.025 χ^2/NDF:280383.9/18

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 138.921+/-0.026 χ^2/NDF:259375.4/16

Left: 138.595+/-0.018 χ^2/NDF: 540052.8/35

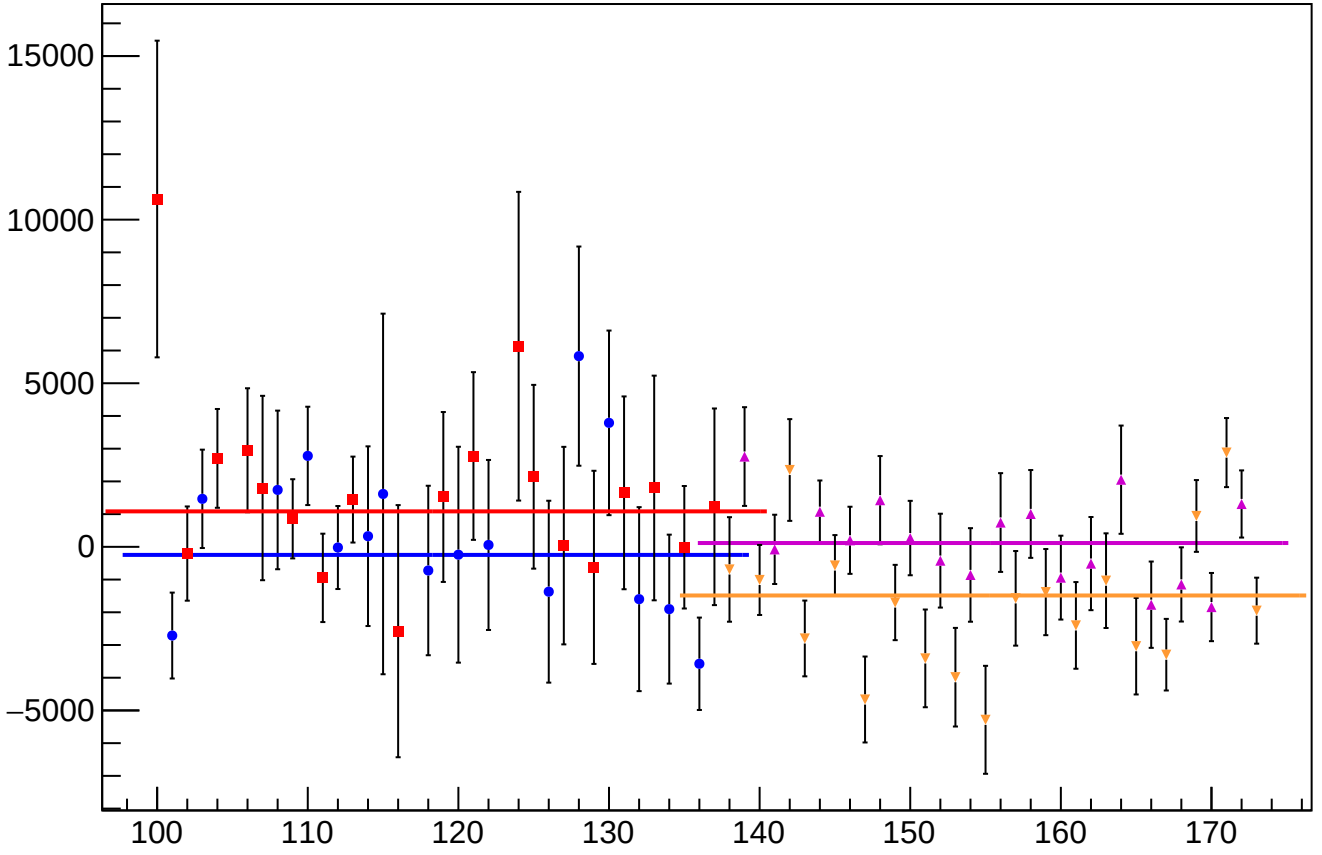
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 137.475+/-0.021 χ^2/NDF:684749.4/32

Out: 136.468+/-0.021 χ^2/NDF:794342.3/37

All: 136.954+/-0.015 χ^2/NDF: 1480242.7/70

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: -1486.497+/-285.331 χ^2/NDF:51.0/18

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 116.714+/-296.680 χ^2/NDF:16.7/16

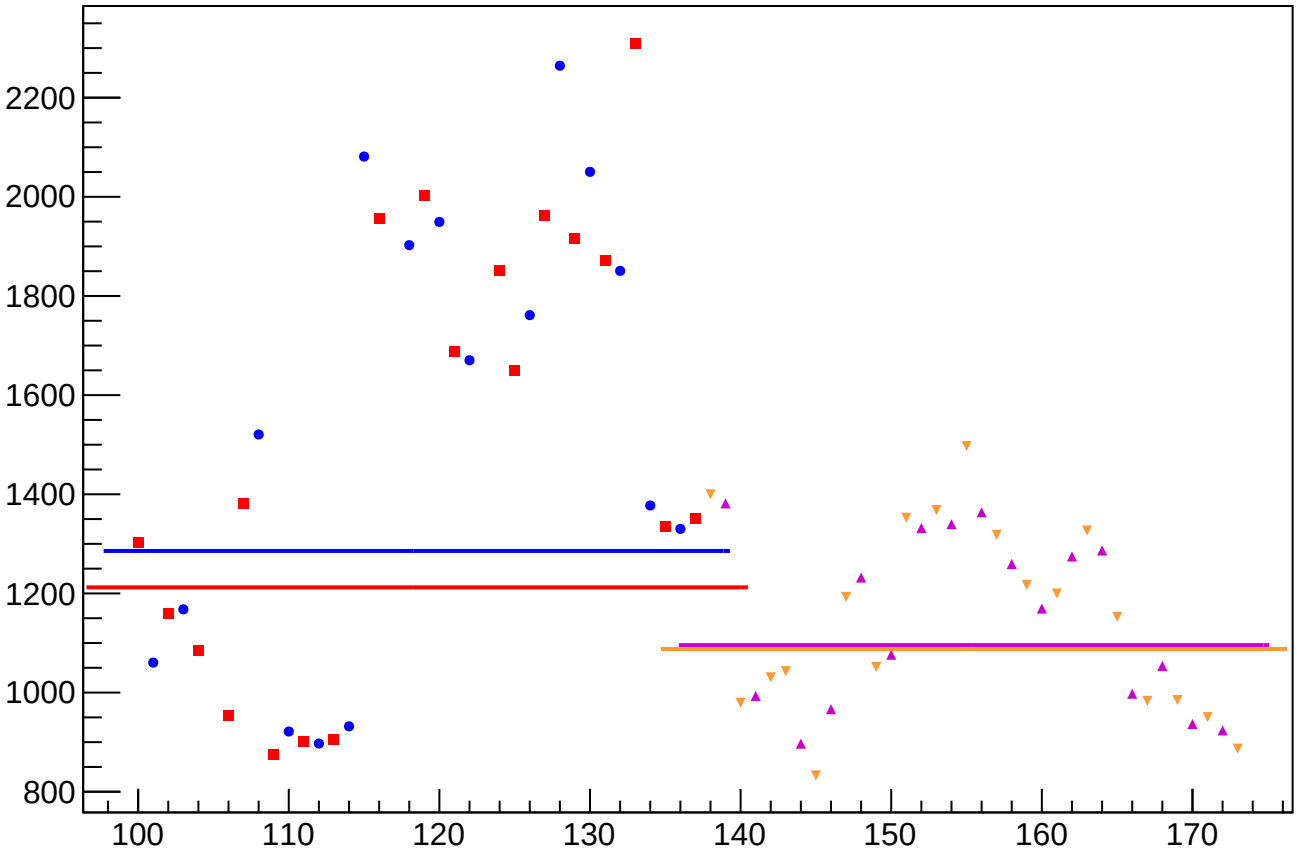
Left: -716.139+/-205.655 χ^2/NDF: 82.9/35

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 22.549+/-255.333 χ^2/NDF:38.7/32

Out: -792.771+/-243.809 χ^2/NDF:85.7/37

All: -403.925+/-176.332 χ^2/NDF: 129.8/70



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1087.862+/-0.202 χ^2/NDF:815087.0/18

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1095.800+/-0.210 χ^2/NDF:616463.0/16

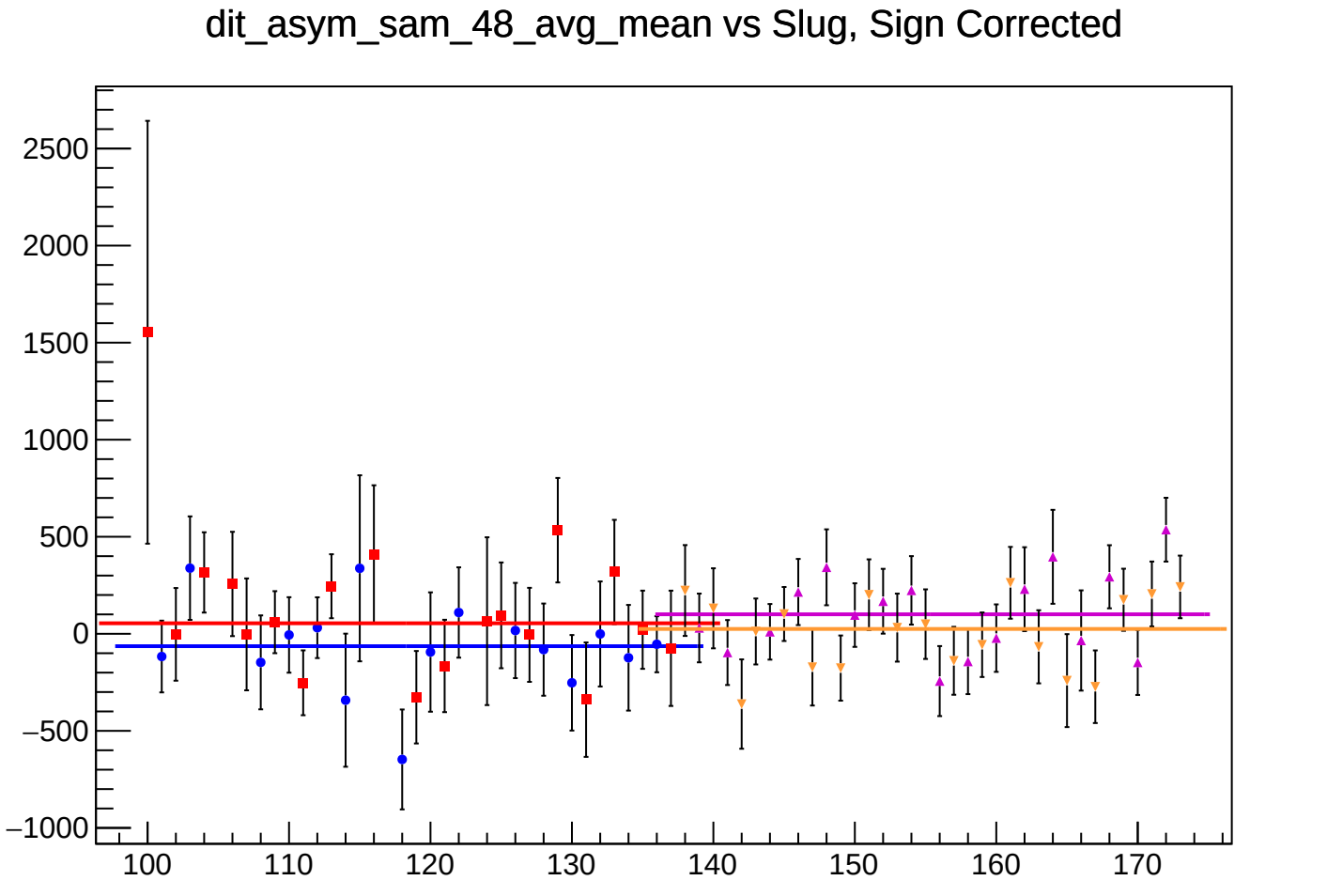
Left: 1091.677+/-0.145 χ^2/NDF: 1432293.7/35

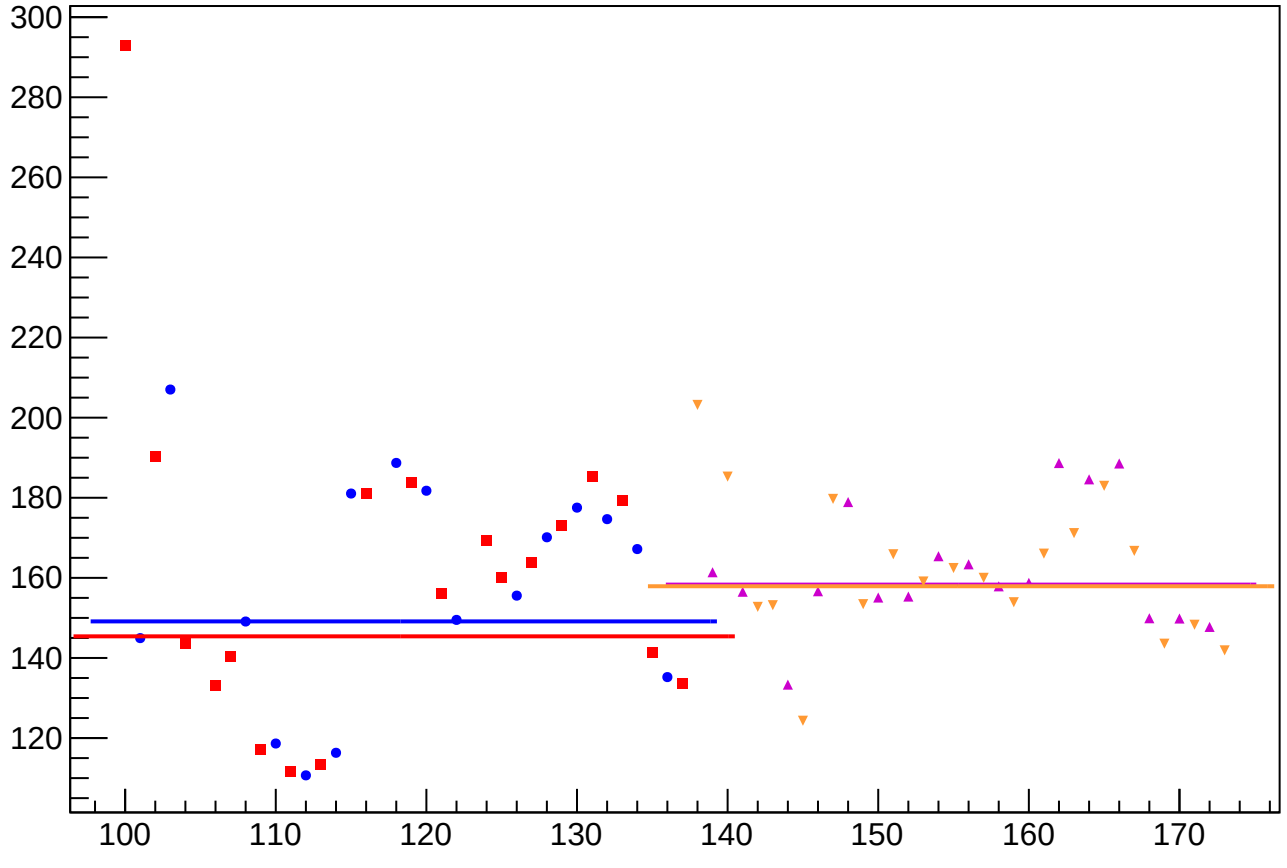
Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1145.038+/-0.181 χ^2/NDF:1999314.4/32

Out: 1121.438+/-0.172 χ^2/NDF:2318339.2/37

All: 1132.693+/-0.125 χ^2/NDF: 4326590.7/70


dit_asym_sam_48_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: -63.781+/-56.734 χ²/NDF: 10.8/15
Left Out: 25.036+/-41.256 χ²/NDF:18.1/18
Right Out: 54.305+/-54.743 χ²/NDF: 19.5/18
Left In: 100.528+/-42.820 χ²/NDF:23.6/16
Left: 61.378+/-29.710 χ²/NDF: 43.3/35
Right: -2.630+/-39.394 χ²/NDF: 32.6/34
In: 40.896+/-34.178 χ²/NDF:39.7/32
Out: 35.638+/-32.947 χ²/NDF:37.8/37
All: 38.171+/-23.720 χ²/NDF: 77.6/70



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 157.905+/-0.029 χ^2/NDF:344326.7/18

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 158.315+/-0.030 χ^2/NDF:199467.3/16

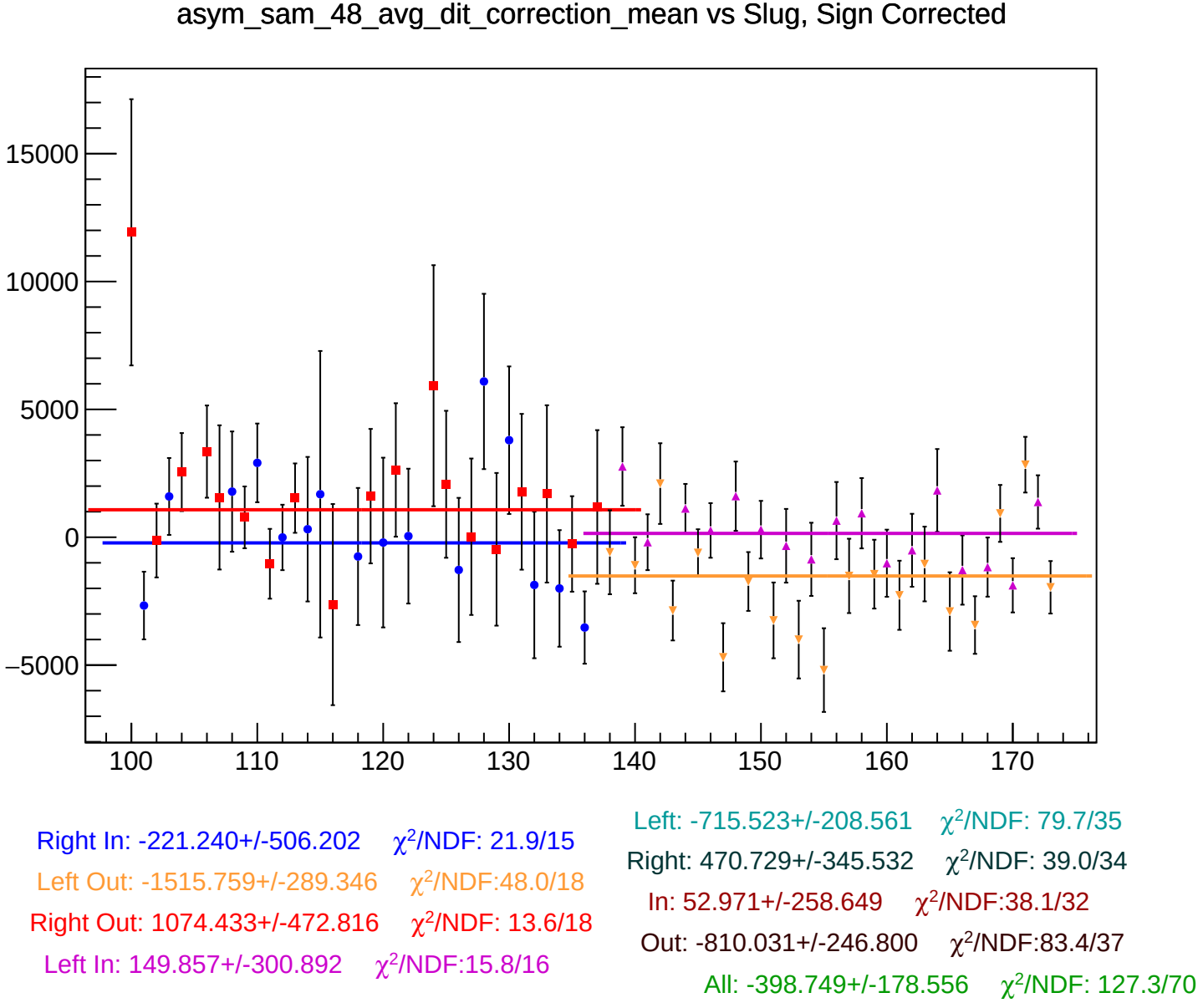
Left: 158.102+/-0.021 χ^2/NDF: 543889.0/35

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

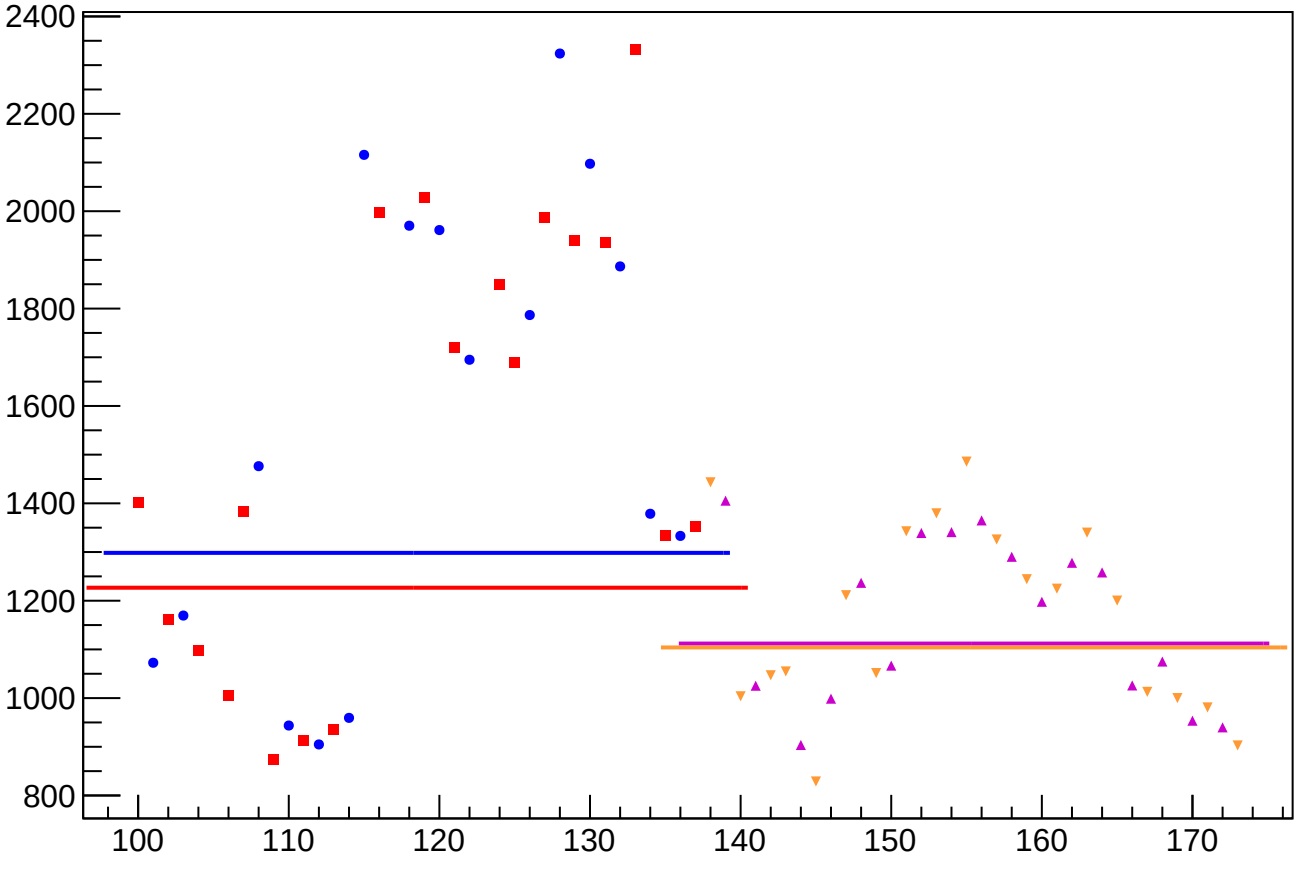
In: 154.982+/-0.024 χ^2/NDF:683864.8/32

Out: 153.375+/-0.023 χ^2/NDF:936715.3/37

All: 154.149+/-0.017 χ^2/NDF: 1622870.8/70


asym_sam_48_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
Right In: -221.240+/-506.202 χ²/NDF: 21.9/15
Left Out: -1515.759+/-289.346 χ²/NDF:48.0/18
Right Out: 1074.433+/-472.816 χ²/NDF: 13.6/18
Left In: 149.857+/-300.892 χ²/NDF:15.8/16
Left: -715.523+/-208.561 χ²/NDF: 79.7/35
Right: 470.729+/-345.532 χ²/NDF: 39.0/34
In: 52.971+/-258.649 χ²/NDF:38.1/32
Out: -810.031+/-246.800 χ²/NDF:83.4/37
All: -398.749+/-178.556 χ²/NDF: 127.3/70

asym_sam_48_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1104.029+/-0.205 χ^2/NDF:806891.1/18

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1112.024+/-0.213 χ^2/NDF:573817.0/16

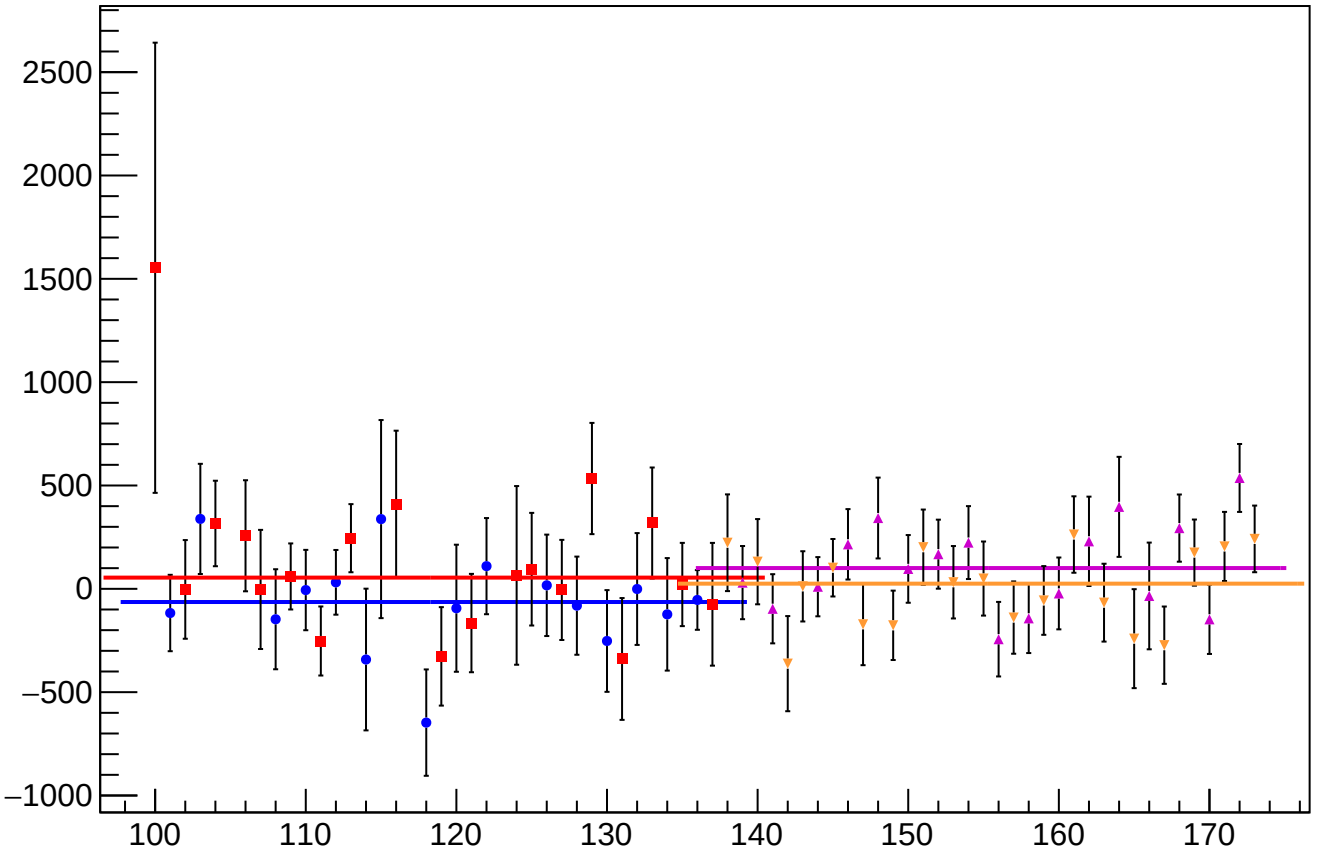
Left: 1107.871+/-0.147 χ^2/NDF: 1381441.6/35

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1160.655+/-0.183 χ^2/NDF:1956046.4/32

Out: 1137.460+/-0.175 χ^2/NDF:2309403.1/37

All: 1148.514+/-0.126 χ^2/NDF: 4273868.4/70



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 25.038+/-41.256 χ^2/NDF:18.1/18

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 100.528+/-42.820 χ^2/NDF:23.6/16

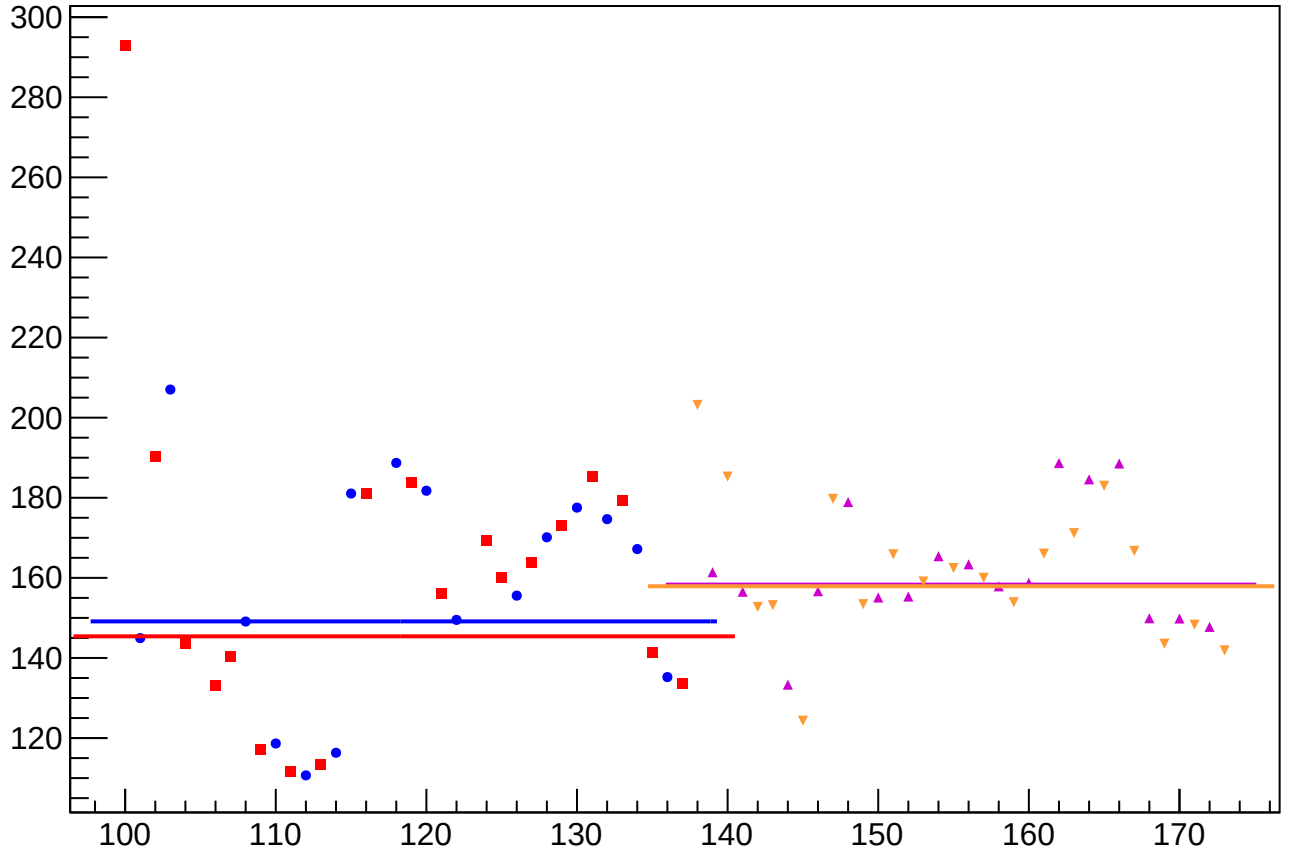
Left: 61.379+/-29.710 χ^2/NDF: 43.3/35

Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

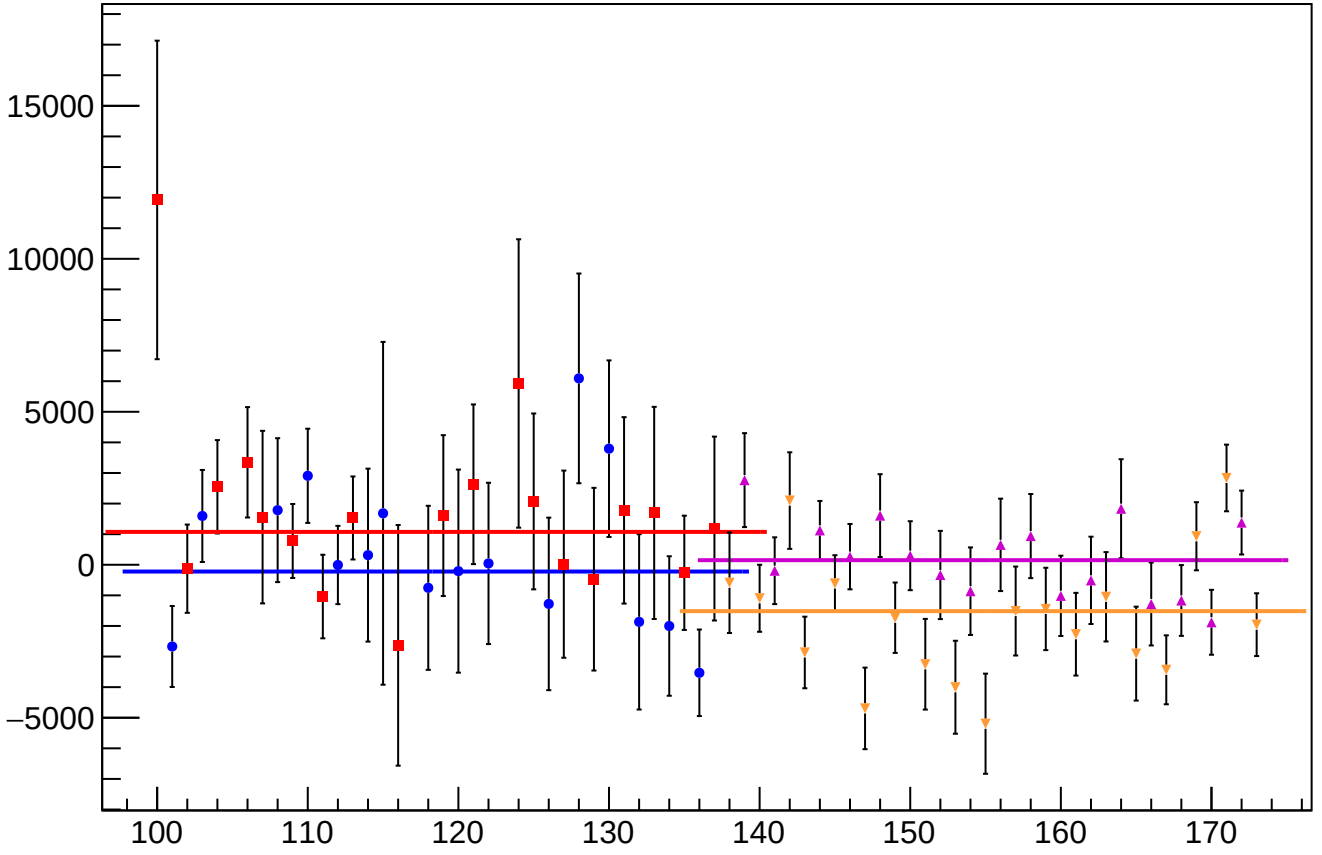
In: 40.898+/-34.178 χ^2/NDF:39.7/32

Out: 35.639+/-32.947 χ^2/NDF:37.8/37

All: 38.172+/-23.720 χ^2/NDF: 77.6/70


eigen_dit_asym_sam_48_avg_rms vs Slug, Sign Corrected
300
280
260
240
220
200
180
160
140
120
100
110
120
130
140
150
160
170
Right In: 149.130+/-0.040 χ²/NDF: 451005.1/15
Left Out: 157.905+/-0.029 χ²/NDF:344322.0/18
Right Out: 145.399+/-0.039 χ²/NDF: 525822.2/18
Left In: 158.315+/-0.030 χ²/NDF:199466.1/16
Left: 158.103+/-0.021 χ²/NDF: 543883.1/35
Right: 147.198+/-0.028 χ²/NDF: 981307.0/34
In: 154.982+/-0.024 χ²/NDF:683867.2/32
Out: 153.375+/-0.023 χ²/NDF:936716.7/37
All: 154.149+/-0.017 χ²/NDF: 1622874.6/70

asym_sam_48_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1515.756+/-289.345 χ^2/NDF:48.0/18

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 149.855+/-300.892 χ^2/NDF:15.8/16

Left: -715.522+/-208.561 χ^2/NDF: 79.7/35

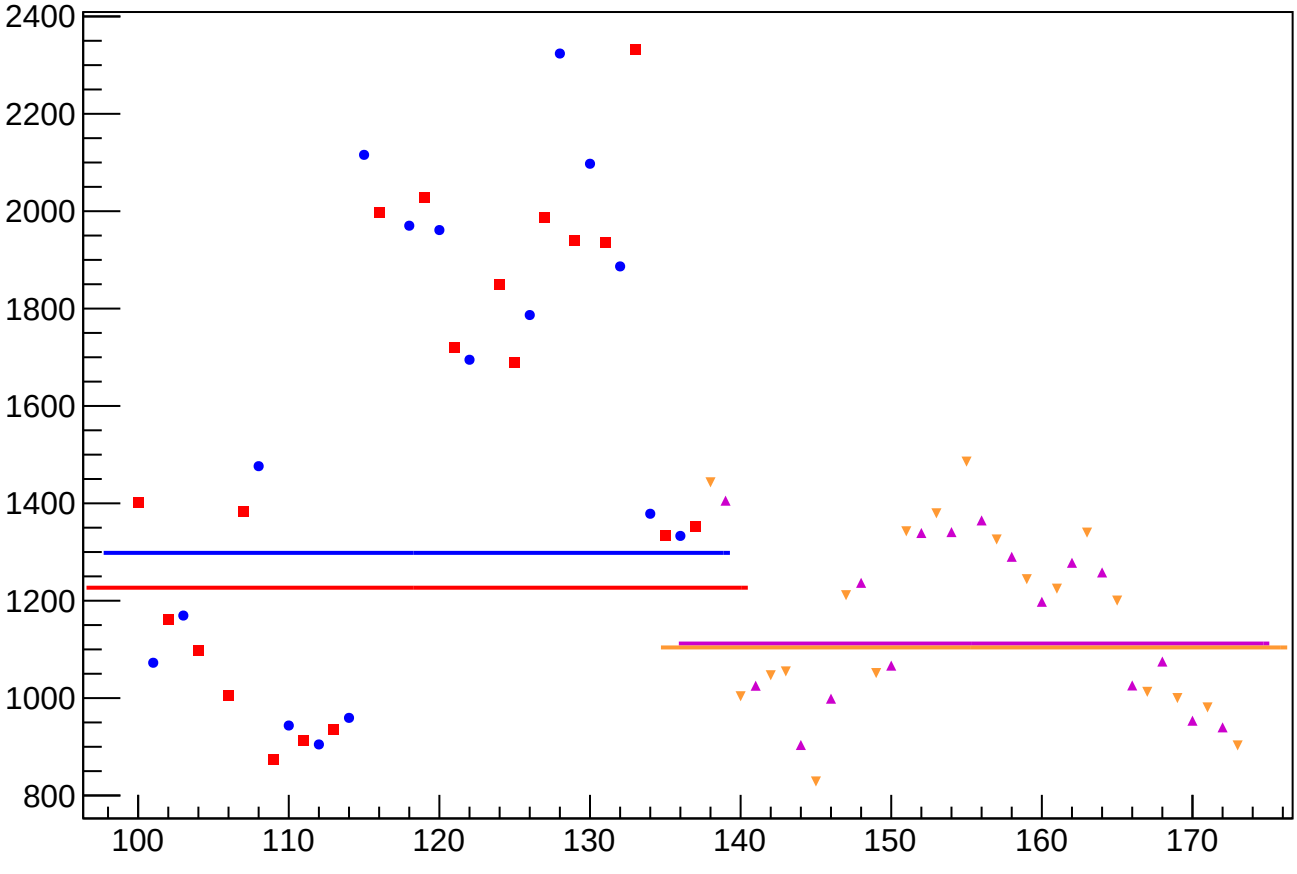
Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 52.970+/-258.648 χ^2/NDF:38.1/32

Out: -810.030+/-246.800 χ^2/NDF:83.4/37

All: -398.749+/-178.556 χ^2/NDF: 127.3/70

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: 1104.028+/-0.205 χ^2/NDF:806894.7/18

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1112.023+/-0.213 χ^2/NDF:573817.1/16

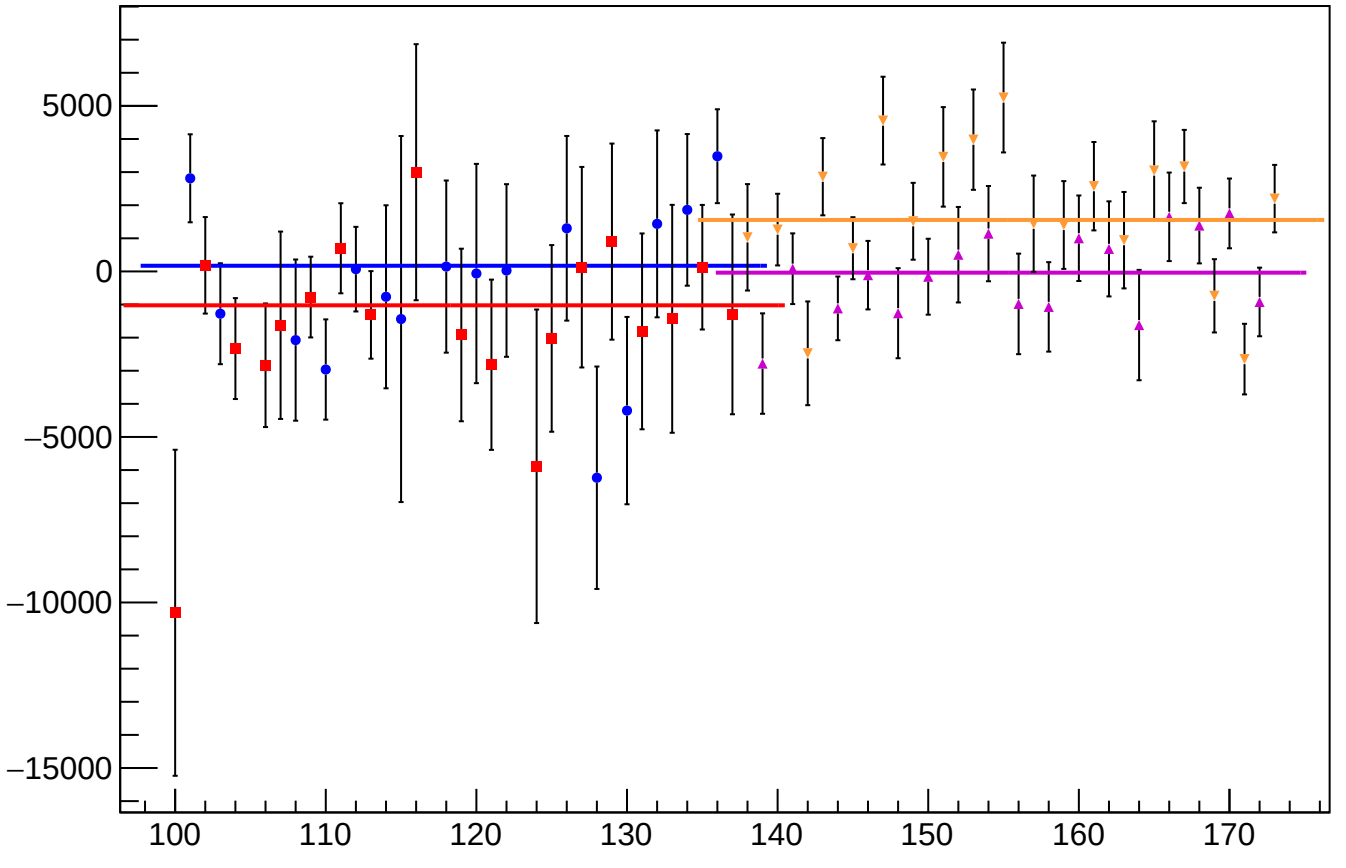
Left: 1107.869+/-0.147 χ^2/NDF: 1381445.4/35

Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1160.654+/-0.183 χ^2/NDF:1956051.5/32

Out: 1137.459+/-0.175 χ^2/NDF:2309410.3/37

All: 1148.513+/-0.126 χ^2/NDF: 4273880.8/70



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1555.130+/-287.756 χ^2/NDF:47.3/18

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: -37.341+/-299.191 χ^2/NDF:15.7/16

Left: 789.909+/-207.399 χ^2/NDF: 77.7/35

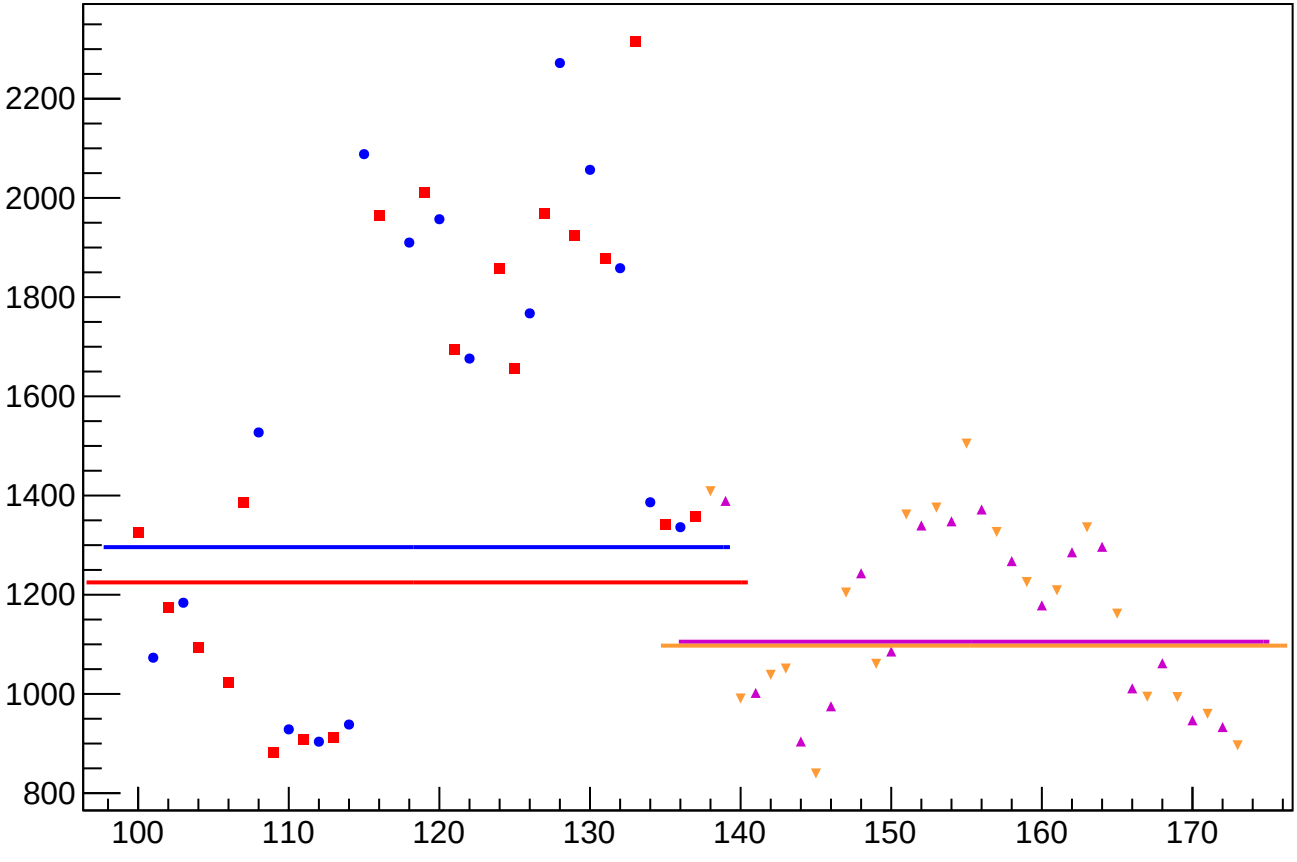
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: 16.782+/-257.425 χ^2/NDF:38.4/32

Out: 856.377+/-245.697 χ^2/NDF:80.6/37

All: 456.140+/-177.736 χ^2/NDF: 124.6/70

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1097.393+/-0.203 χ^2/NDF:802307.8/18

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1105.315+/-0.212 χ^2/NDF:606574.9/16

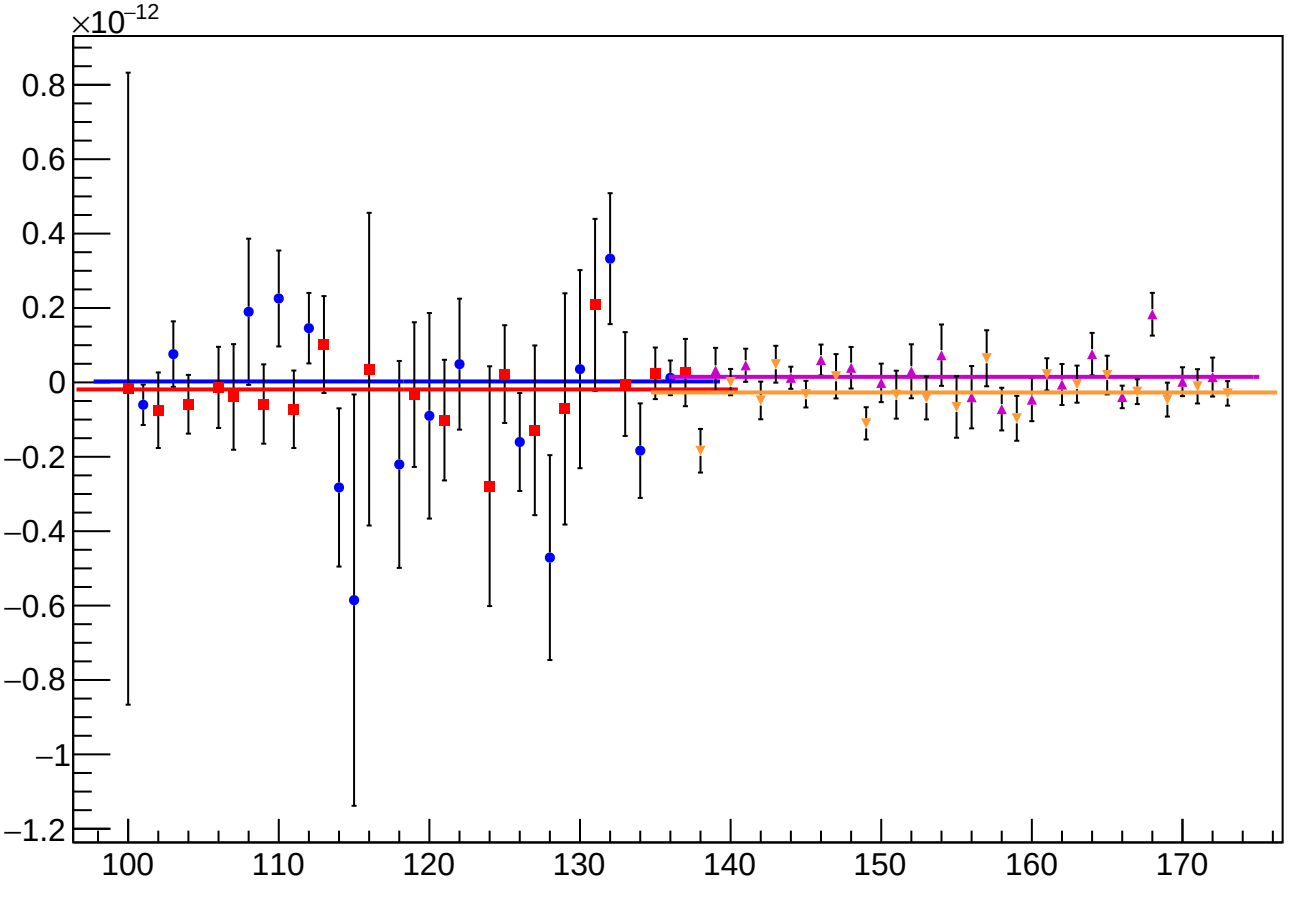
Left: 1101.200+/-0.147 χ^2/NDF: 1409610.9/35

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1154.834+/-0.182 χ^2/NDF:1971717.2/32

Out: 1131.935+/-0.174 χ^2/NDF:2279947.9/37

All: 1142.851+/-0.126 χ^2/NDF: 4259946.6/70



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:19.6/16

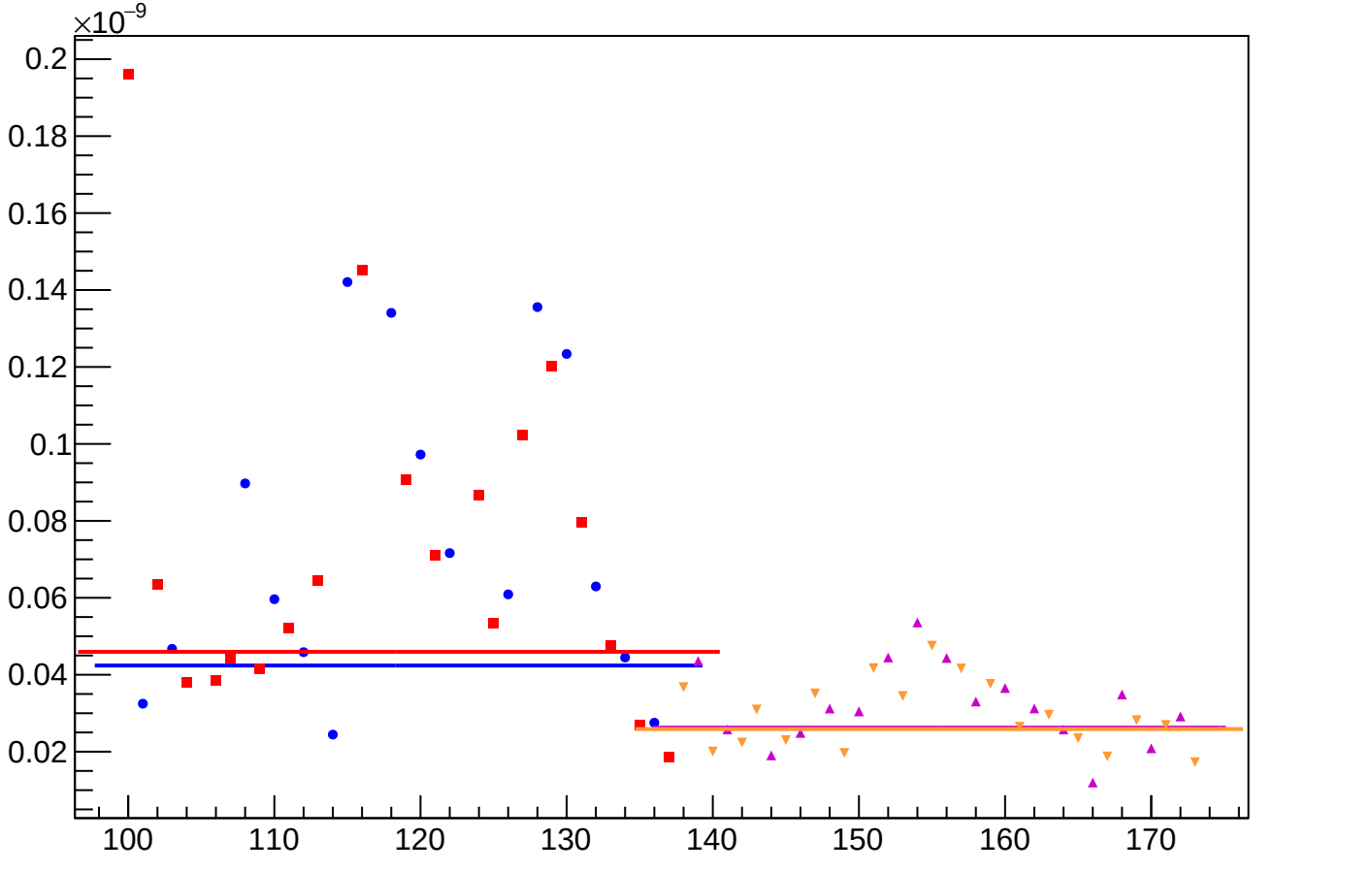
Left: -0.000+/-0.000 χ^2/NDF: 46.8/35

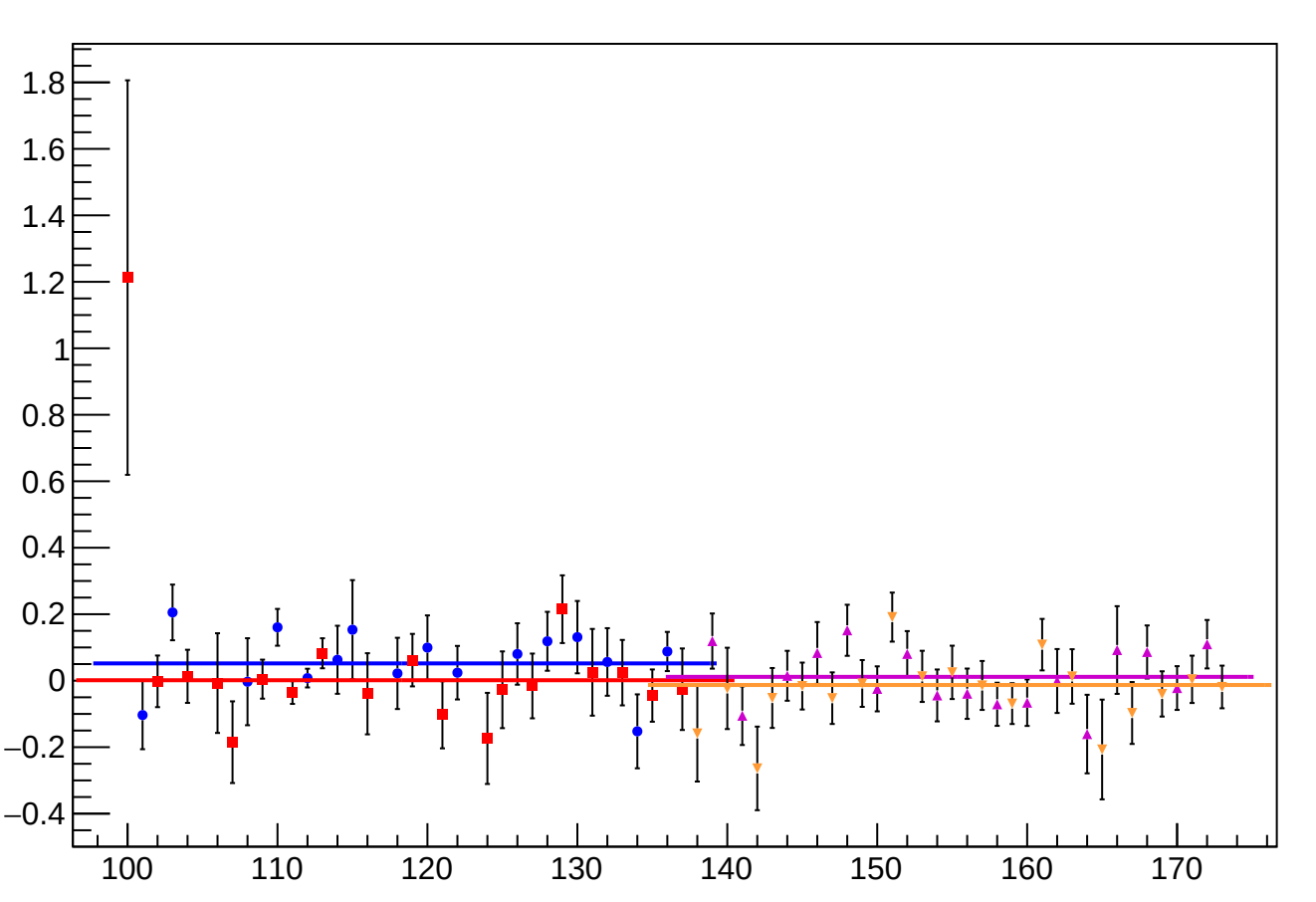
Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:41.9/32

Out: -0.000+/-0.000 χ^2/NDF:25.0/37

All: -0.000+/-0.000 χ^2/NDF: 74.0/70


asym_sam_48_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1341259.3/15
Left Out: 0.000+/-0.000 χ²/NDF:972375.5/18
Right Out: 0.000+/-0.000 χ²/NDF: 1118551.4/18
Left In: 0.000+/-0.000 χ²/NDF:1390964.5/16
Left: 0.000+/-0.000 χ²/NDF: 2364435.5/35
Right: 0.000+/-0.000 χ²/NDF: 2476096.3/34
In: 0.000+/-0.000 χ²/NDF:3340745.6/32
Out: 0.000+/-0.000 χ²/NDF:2939976.9/37
All: 0.000+/-0.000 χ²/NDF: 6283217.3/70



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.013+/-0.018 χ^2/NDF:19.6/18

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.012+/-0.019 χ^2/NDF:17.9/16

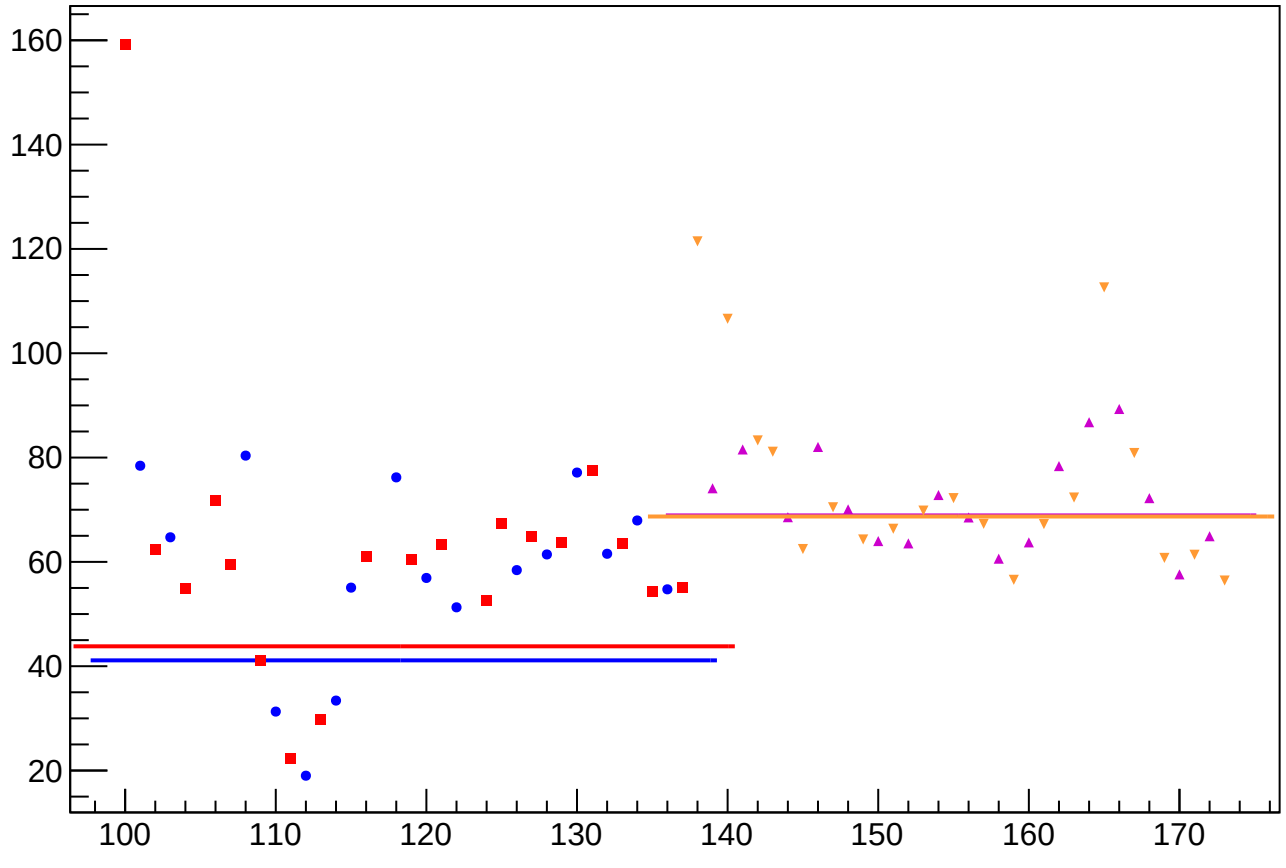
Left: -0.001+/-0.013 χ^2/NDF: 38.4/35

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.033+/-0.013 χ^2/NDF:38.3/32

Out: -0.006+/-0.013 χ^2/NDF:39.1/37

All: 0.014+/-0.009 χ^2/NDF: 82.0/70



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 68.701+/-0.013 χ^2/NDF:964163.8/18

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 68.912+/-0.013 χ^2/NDF:342152.8/16

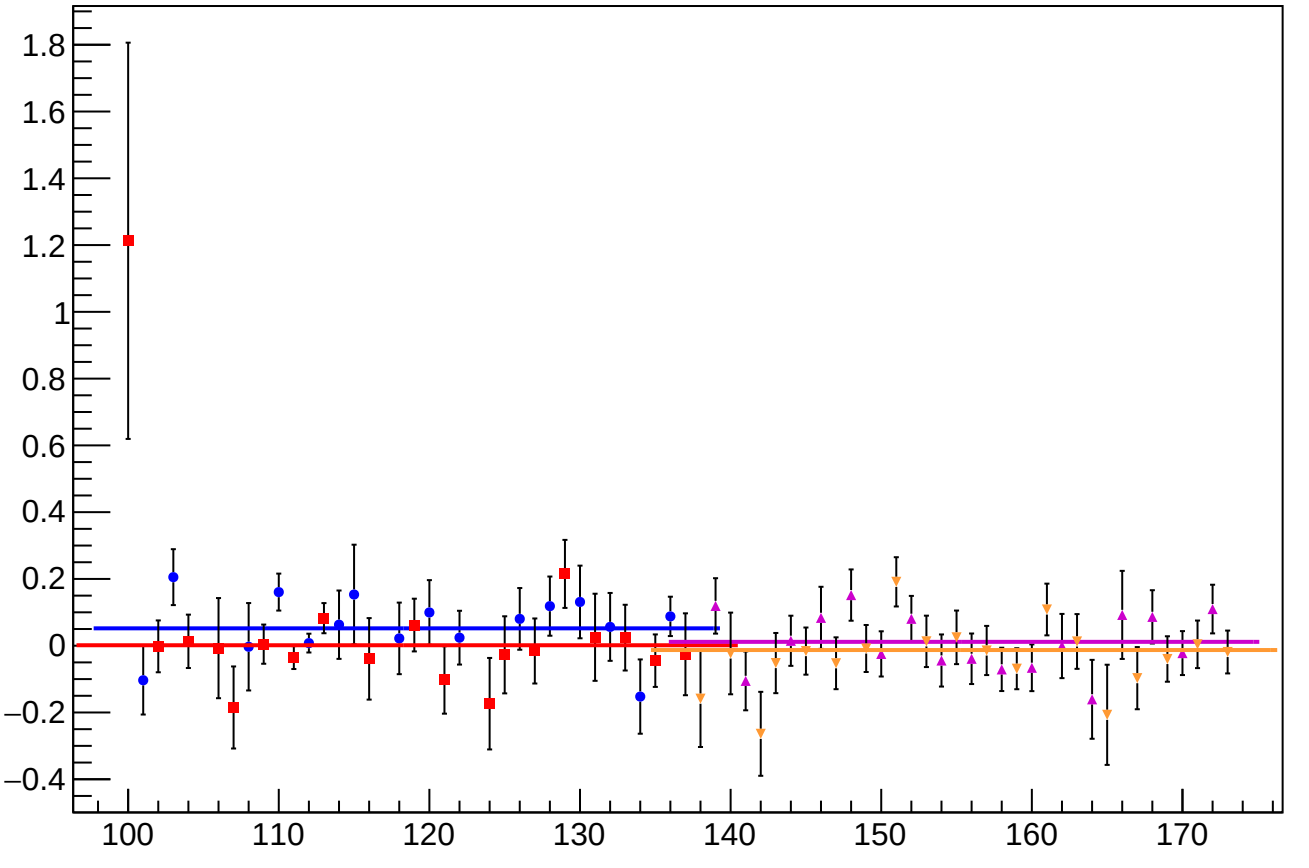
Left: 68.803+/-0.009 χ^2/NDF: 1306444.2/35

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 54.066+/-0.009 χ^2/NDF:5545742.9/32

Out: 55.942+/-0.009 χ^2/NDF:4890940.8/37

All: 55.015+/-0.006 χ^2/NDF: 10457785.0/70



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.013+/-0.018 χ^2/NDF:19.6/18

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.012+/-0.019 χ^2/NDF:17.9/16

Left: -0.001+/-0.013 χ^2/NDF: 38.4/35

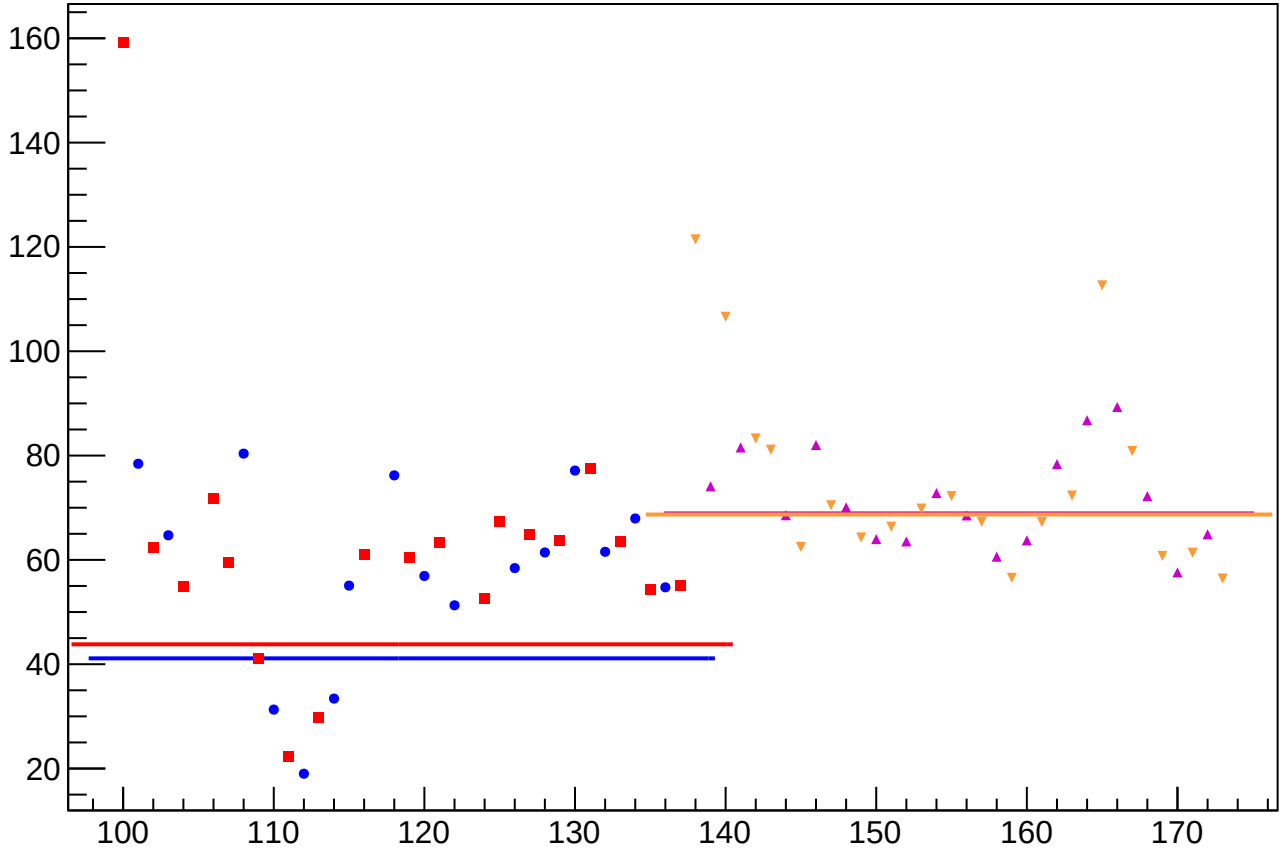
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.033+/-0.013 χ^2/NDF:38.3/32

Out: -0.006+/-0.013 χ^2/NDF:39.1/37

All: 0.014+/-0.009 χ^2/NDF: 82.0/70

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: 68.701+/-0.013 χ^2/NDF:964163.8/18

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 68.912+/-0.013 χ^2/NDF:342152.8/16

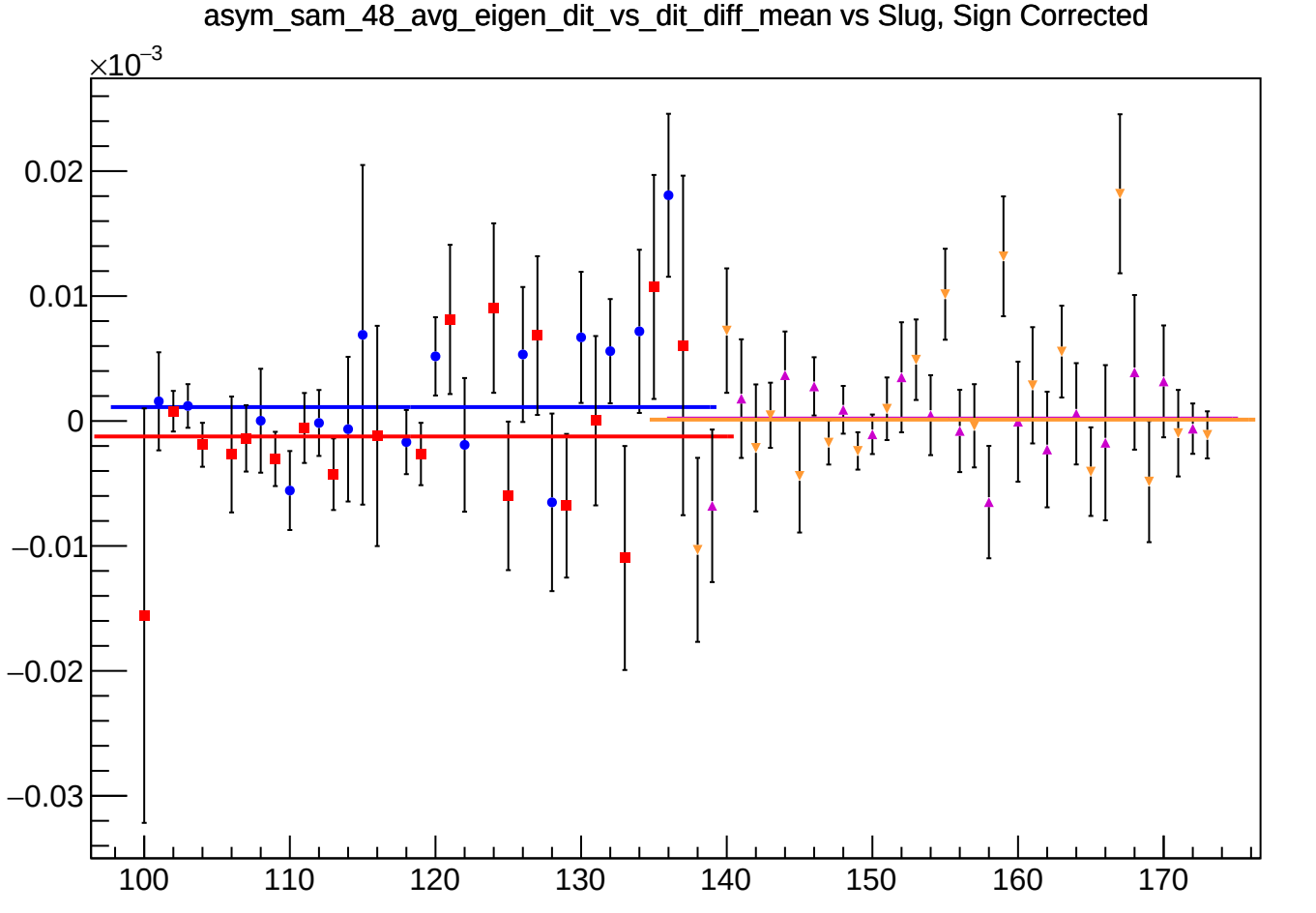
Left: 68.803+/-0.009 χ^2/NDF: 1306444.2/35

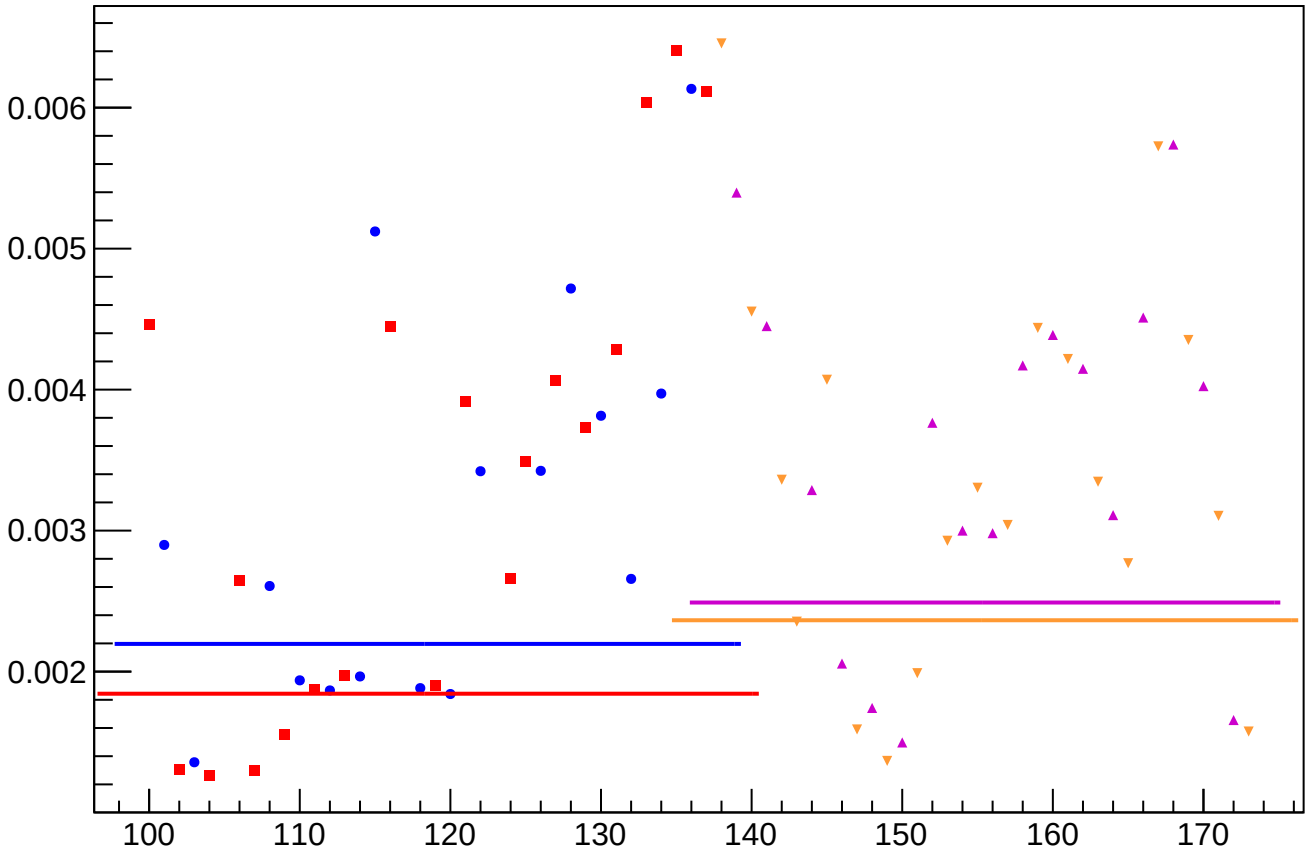
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 54.066+/-0.009 χ^2/NDF:5545742.9/32

Out: 55.942+/-0.009 χ^2/NDF:4890940.8/37

All: 55.015+/-0.006 χ^2/NDF: 10457785.0/70


asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 19.9/15
Left Out: 0.000+/-0.000 χ²/NDF:40.1/18
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: 0.000+/-0.000 χ²/NDF:8.6/16
Left: 0.000+/-0.000 χ²/NDF: 48.7/35
Right: -0.000+/-0.000 χ²/NDF: 39.8/34
In: 0.000+/-0.000 χ²/NDF:29.1/32
Out: -0.000+/-0.000 χ²/NDF:57.8/37
All: -0.000+/-0.000 χ²/NDF: 88.8/70



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:5162100.4/18

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.002+/-0.000 χ^2/NDF:4557994.3/16

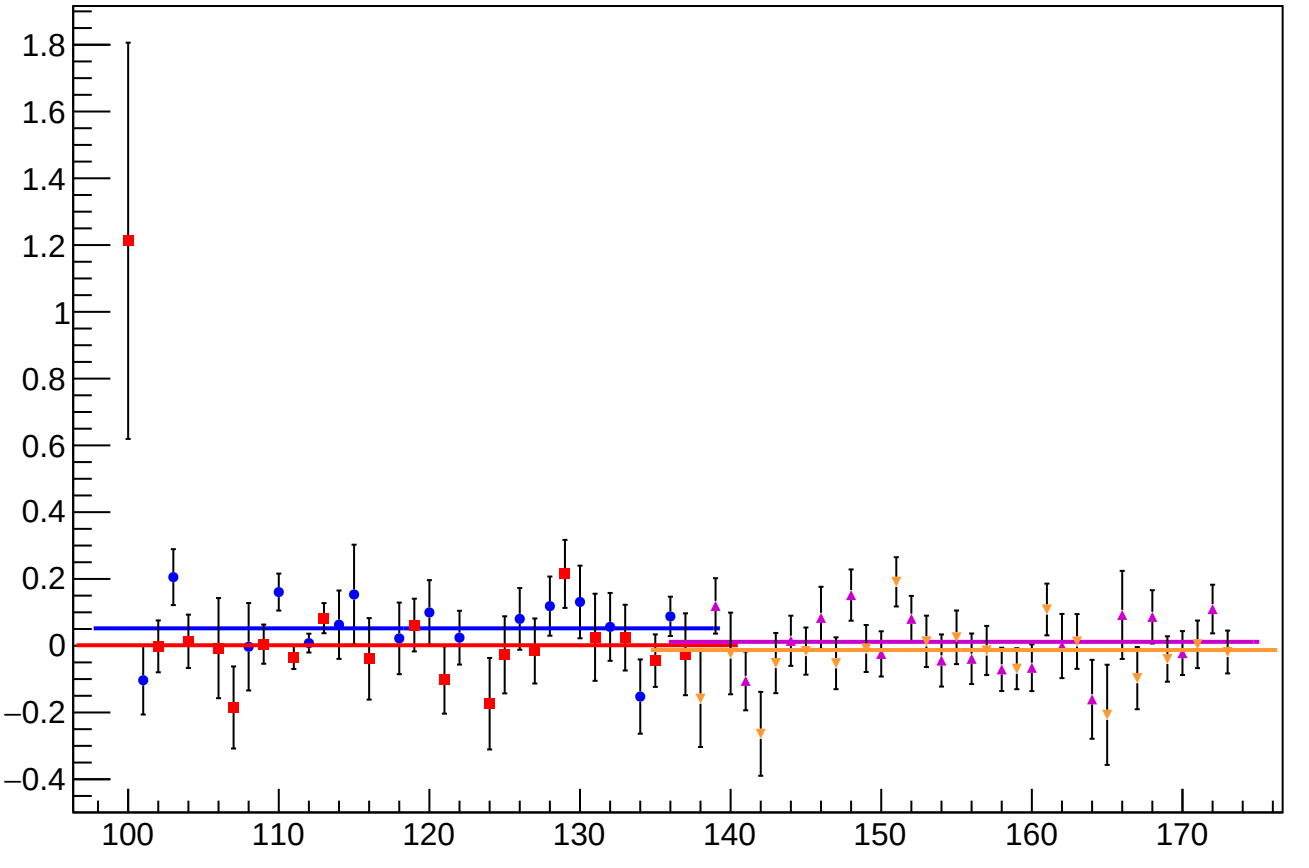
Left: 0.002+/-0.000 χ^2/NDF: 9751157.1/35

Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:6975750.0/32

Out: 0.002+/-0.000 χ^2/NDF:8818677.3/37

All: 0.002+/-0.000 χ^2/NDF: 15986297.5/70



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.013+/-0.018 χ^2/NDF:19.6/18

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.012+/-0.019 χ^2/NDF:17.9/16

Left: -0.001+/-0.013 χ^2/NDF: 38.4/35

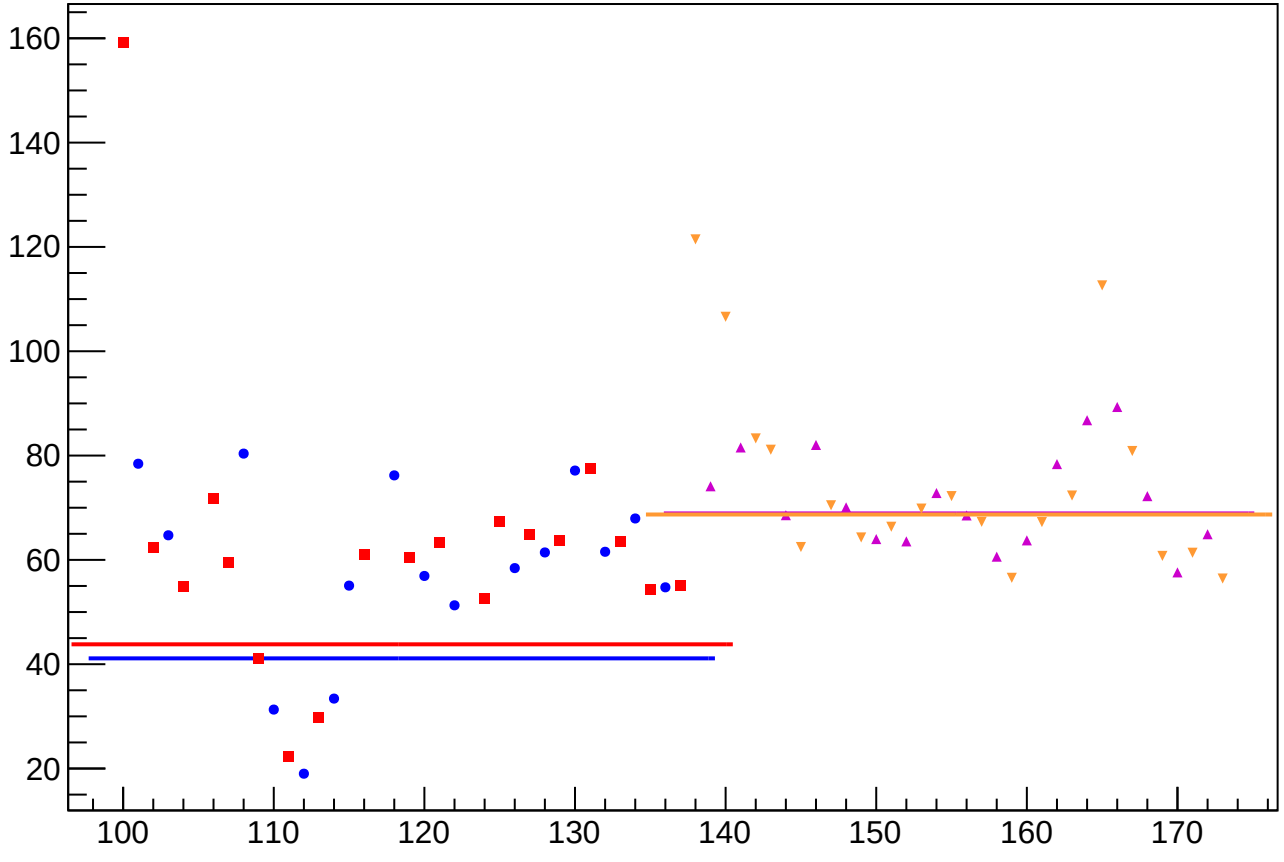
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.033+/-0.013 χ^2/NDF:38.3/32

Out: -0.006+/-0.013 χ^2/NDF:39.1/37

All: 0.014+/-0.009 χ^2/NDF: 82.0/70

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: 68.701+/-0.013 χ^2/NDF:964143.5/18

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 68.913+/-0.013 χ^2/NDF:342150.7/16

Left: 68.803+/-0.009 χ^2/NDF: 1306421.8/35

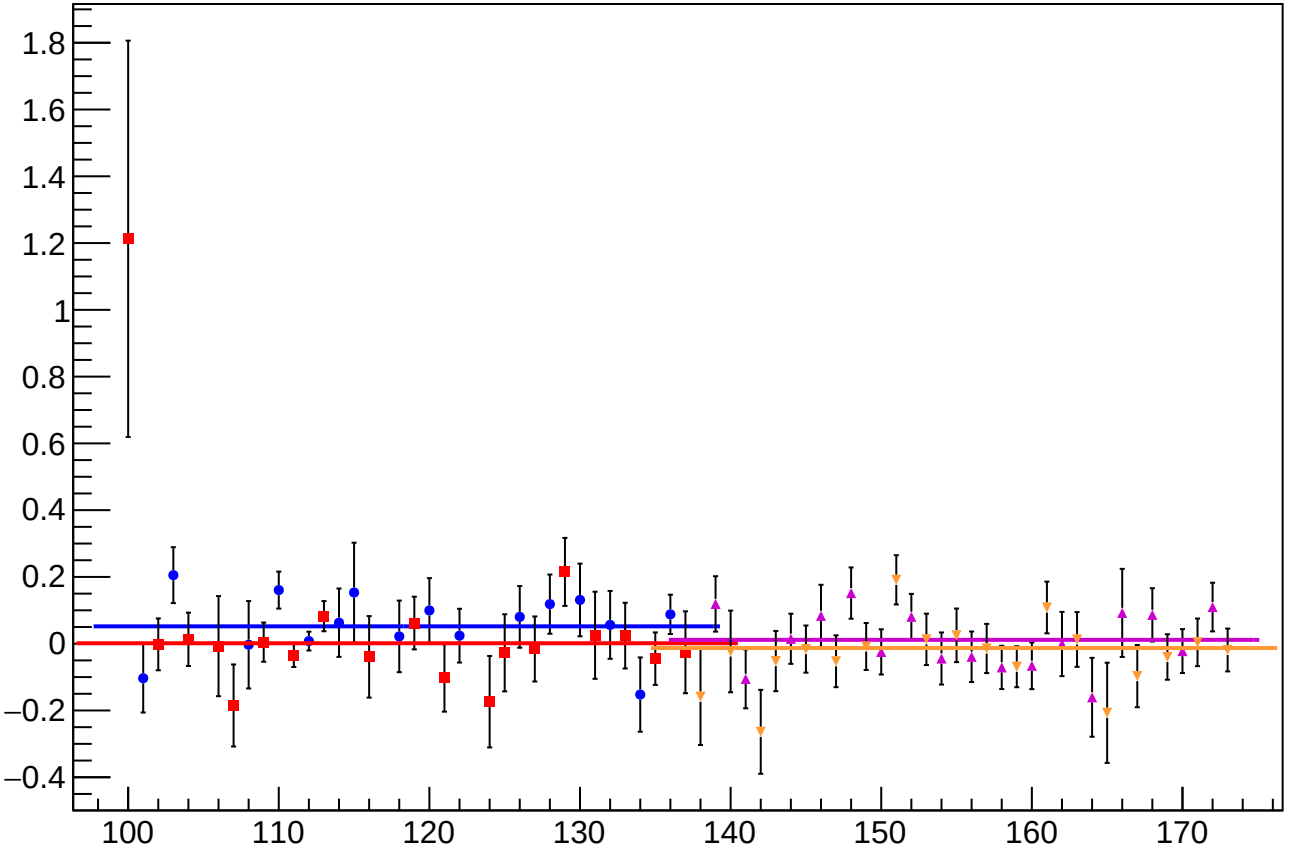
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 54.066+/-0.009 χ^2/NDF:5546163.1/32

Out: 55.941+/-0.009 χ^2/NDF:4891333.0/37

All: 55.015+/-0.006 χ^2/NDF: 10458599.8/70

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: -0.013+/-0.018 χ^2/NDF:19.6/18

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.012+/-0.019 χ^2/NDF:17.9/16

Left: -0.001+/-0.013 χ^2/NDF: 38.4/35

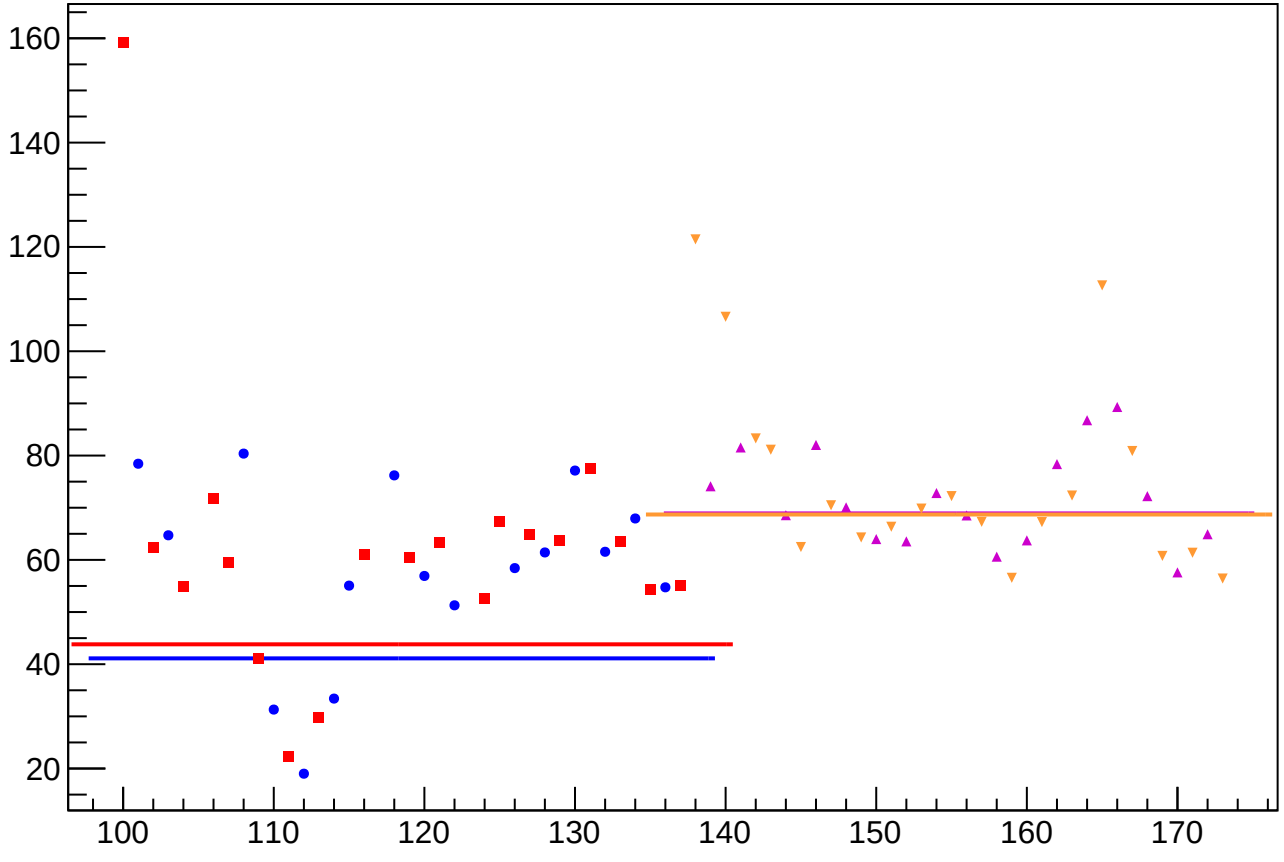
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.033+/-0.013 χ^2/NDF:38.3/32

Out: -0.006+/-0.013 χ^2/NDF:39.1/37

All: 0.014+/-0.009 χ^2/NDF: 82.0/70

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: 68.701+/-0.013 χ^2/NDF:964143.5/18

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 68.913+/-0.013 χ^2/NDF:342150.7/16

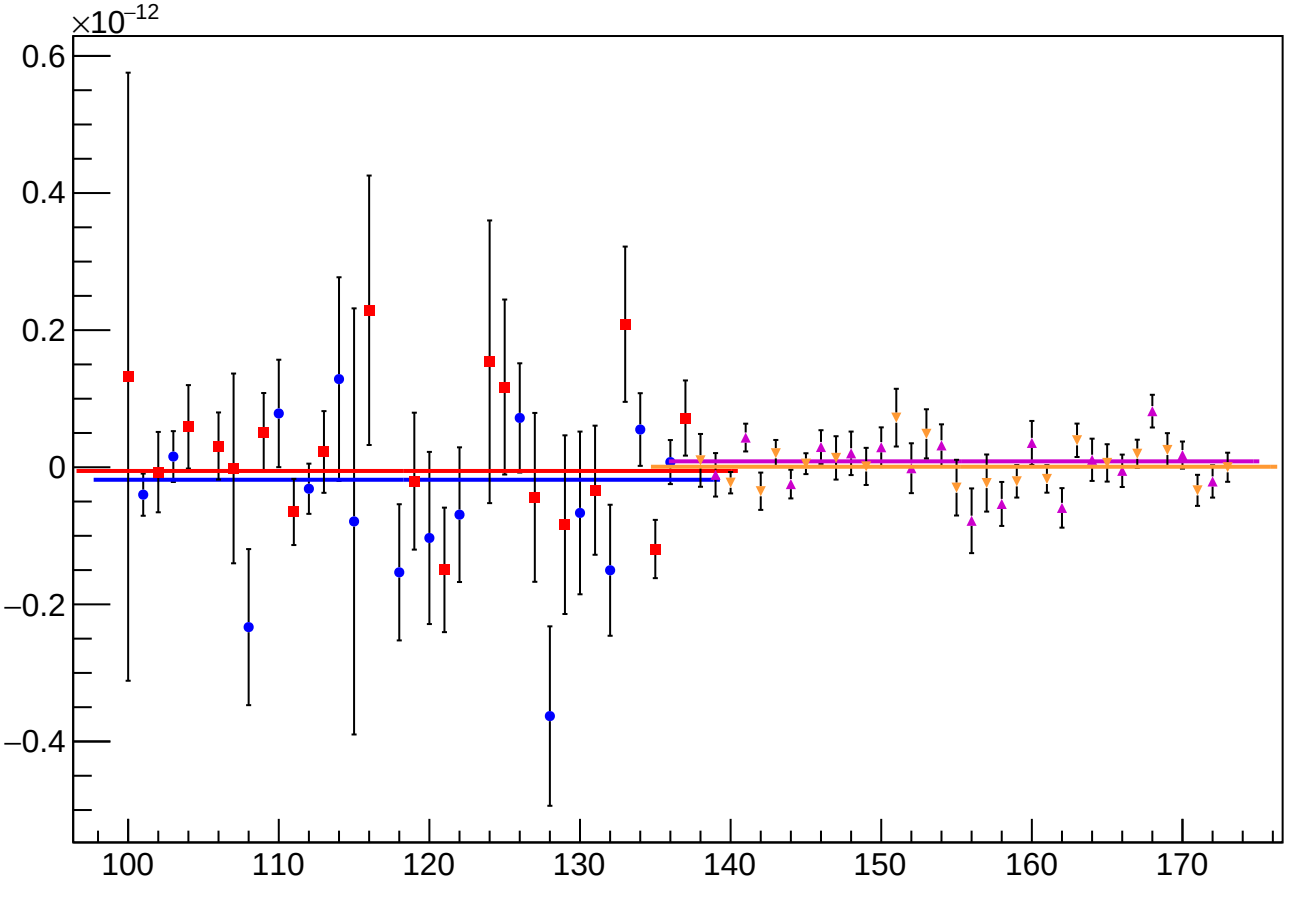
Left: 68.803+/-0.009 χ^2/NDF: 1306421.8/35

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 54.066+/-0.009 χ^2/NDF:5546163.1/32

Out: 55.941+/-0.009 χ^2/NDF:4891333.0/37

All: 55.015+/-0.006 χ^2/NDF: 10458599.8/70



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:32.8/16

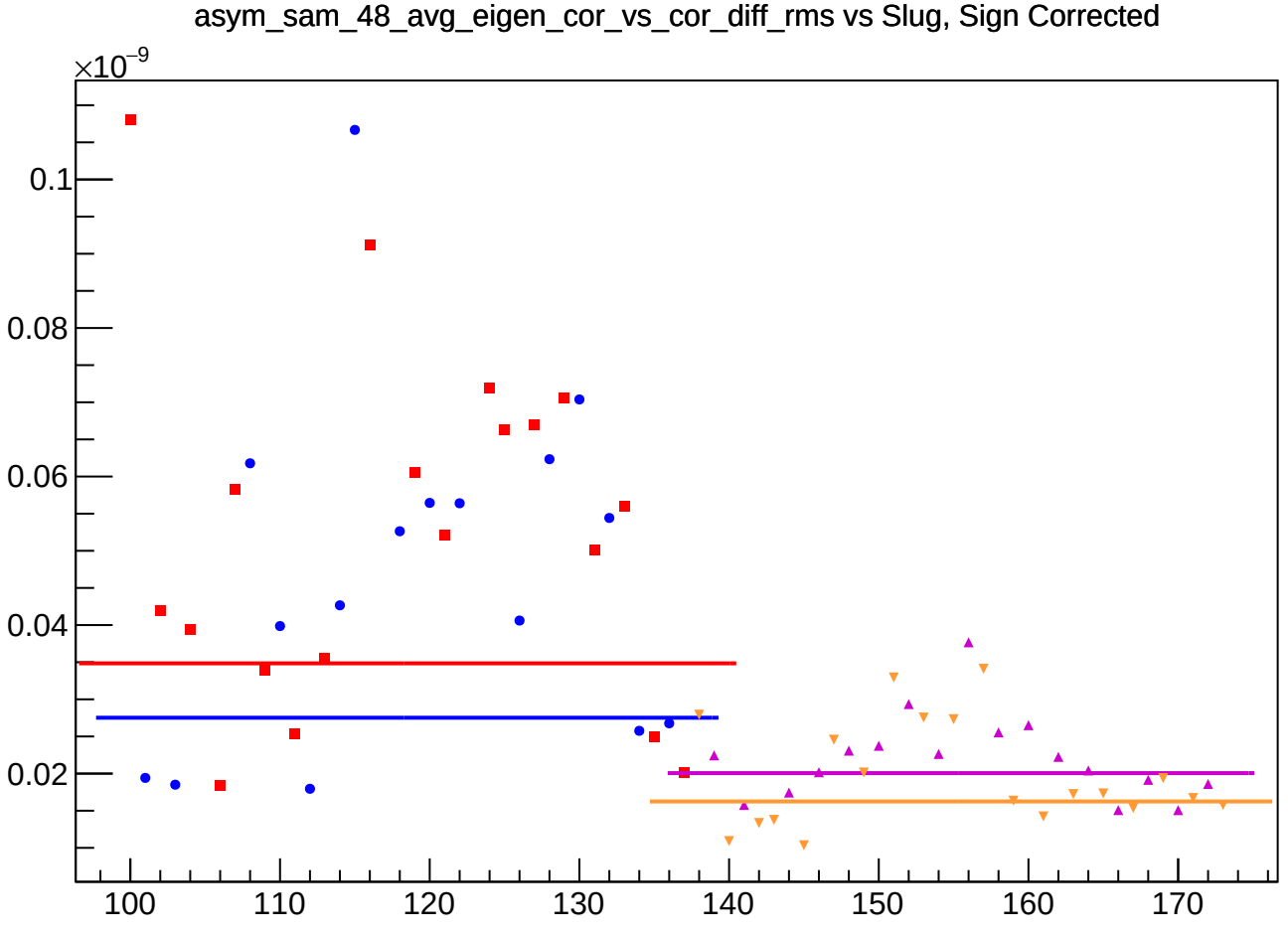
Left: 0.000+/-0.000 χ^2/NDF: 52.8/35

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:58.6/32

Out: 0.000+/-0.000 χ^2/NDF:42.6/37

All: 0.000+/-0.000 χ^2/NDF: 101.5/70



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2048399.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:984267.6/16

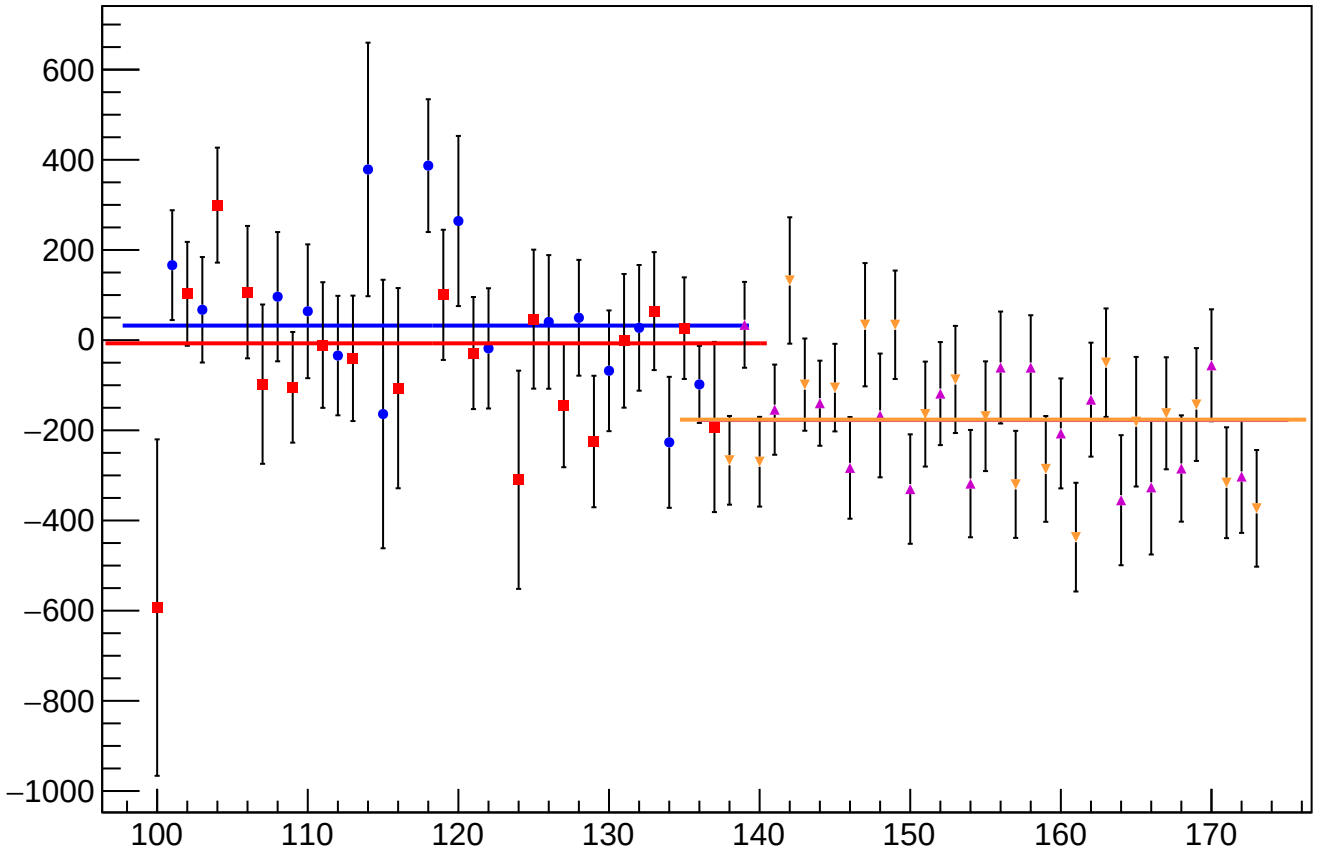
Left: 0.000+/-0.000 χ^2/NDF: 3439740.9/35

Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:3229985.9/32

Out: 0.000+/-0.000 χ^2/NDF:5968466.3/37

All: 0.000+/-0.000 χ^2/NDF: 9544029.6/70



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -176.314+/-26.957 χ^2/NDF:25.5/18

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: -177.165+/-28.490 χ^2/NDF:16.7/16

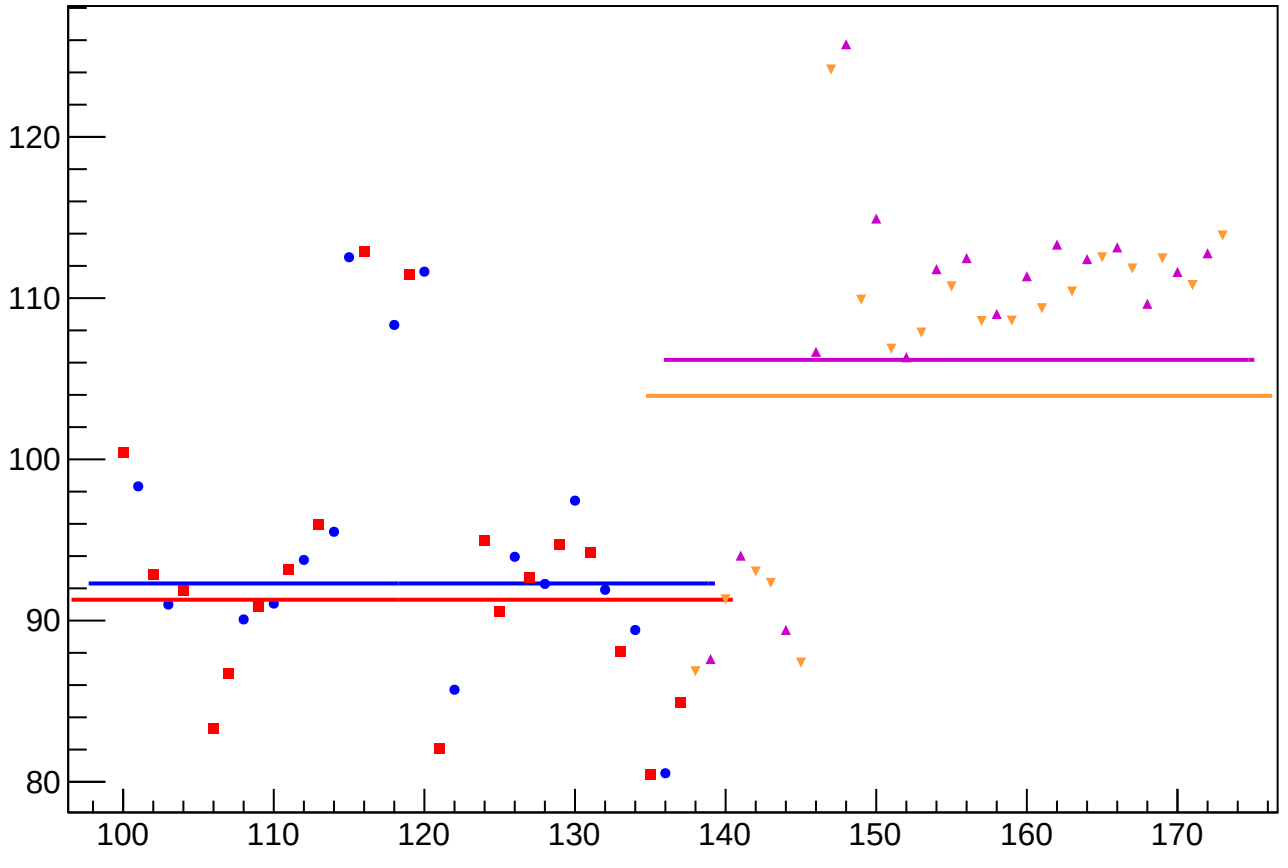
Left: -176.716+/-19.581 χ^2/NDF: 42.2/35

Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -92.030+/-21.949 χ^2/NDF:55.9/32

Out: -109.603+/-20.982 χ^2/NDF:58.8/37

All: -101.212+/-15.167 χ^2/NDF: 115.1/70



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 103.940+/-0.019 χ^2/NDF:305463.8/18

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 106.173+/-0.020 χ^2/NDF:259768.3/16

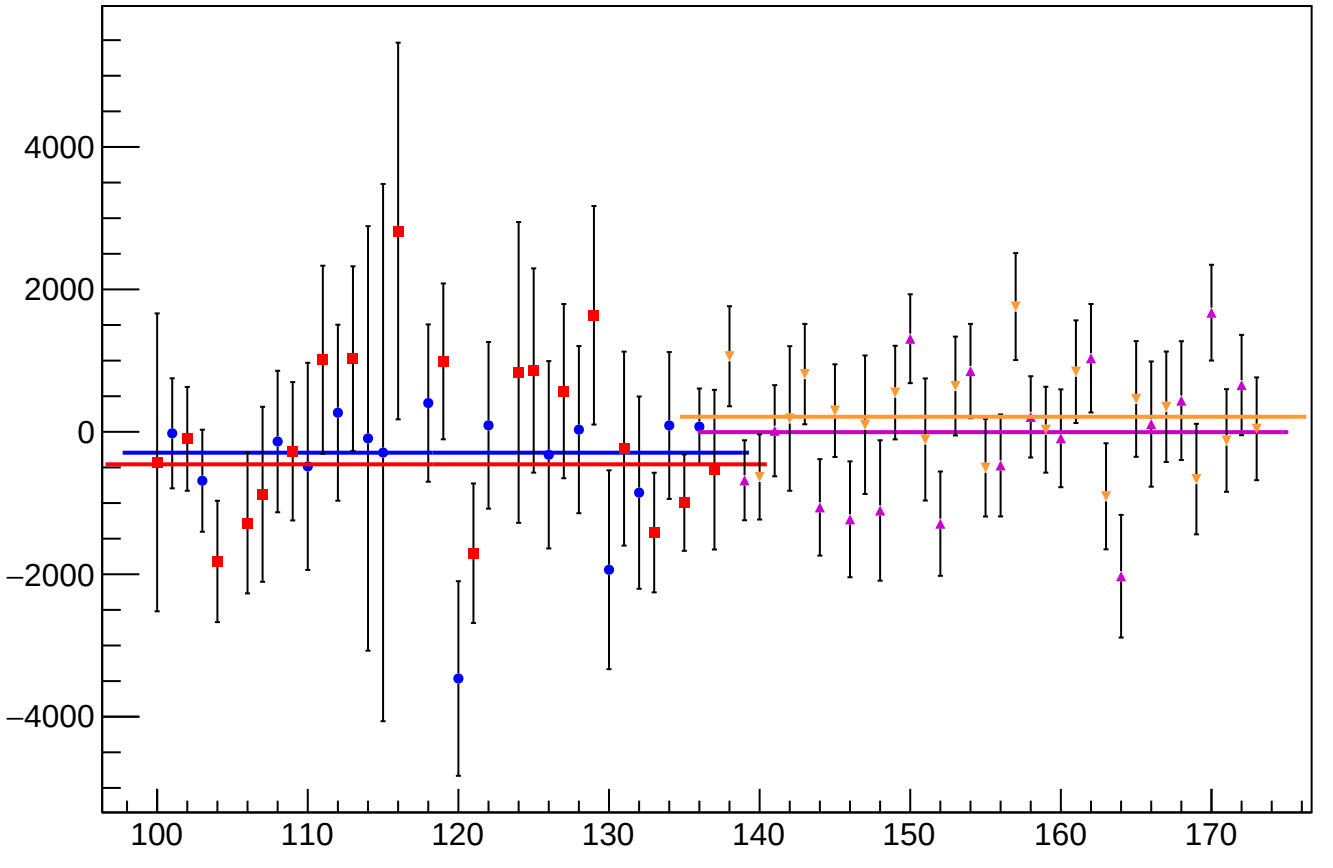
Left: 104.995+/-0.014 χ^2/NDF: 571714.6/35

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 100.535+/-0.016 χ^2/NDF:559512.4/32

Out: 98.955+/-0.015 χ^2/NDF:584059.2/37

All: 99.710+/-0.011 χ^2/NDF: 1148987.5/70



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 211.730+/-166.567 χ^2/NDF:15.1/18

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -4.266+/-170.959 χ^2/NDF:31.9/16

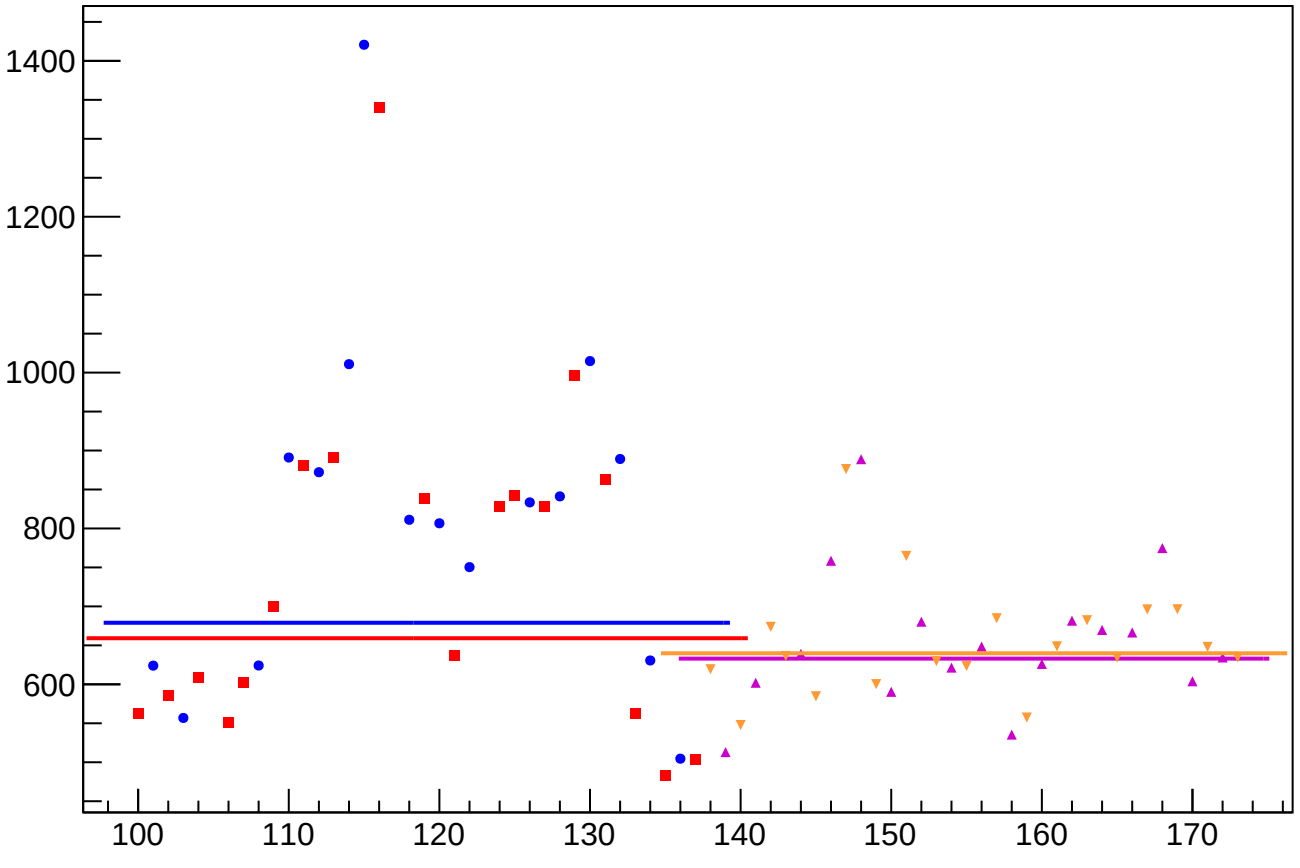
Left: 106.542+/-119.303 χ^2/NDF: 47.9/35

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -91.490+/-142.795 χ^2/NDF:41.6/32

Out: 5.031+/-138.397 χ^2/NDF:36.9/37

All: -41.720+/-99.380 χ^2/NDF: 78.8/70



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 639.847+/-0.118 χ^2/NDF:308231.8/18

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 632.980+/-0.121 χ^2/NDF:432658.5/16

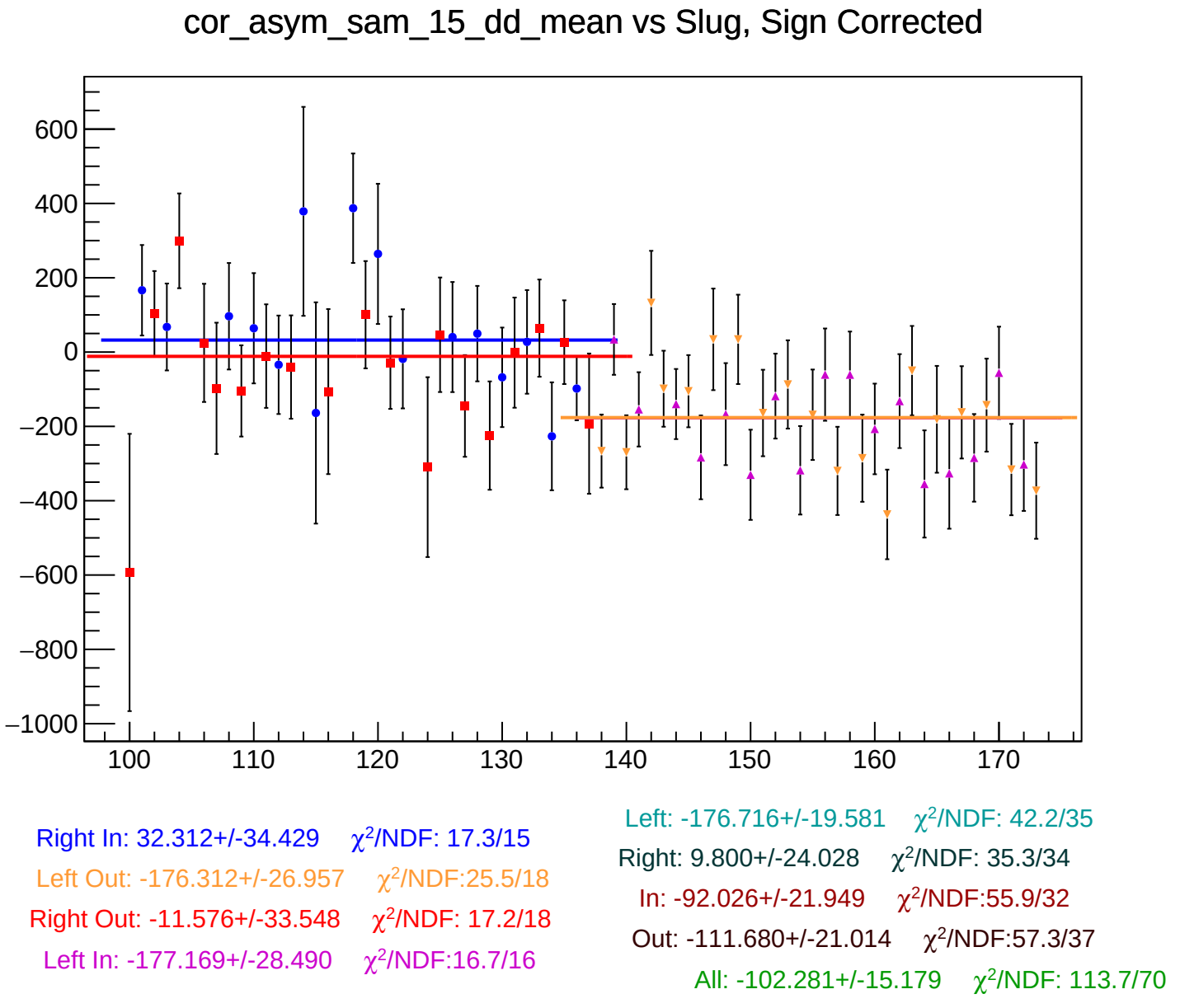
Left: 636.503+/-0.084 χ^2/NDF: 742546.0/35

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 646.895+/-0.101 χ^2/NDF:1244464.8/32

Out: 645.819+/-0.098 χ^2/NDF:1112411.4/37

All: 646.340+/-0.070 χ^2/NDF: 2356934.8/70


cor_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
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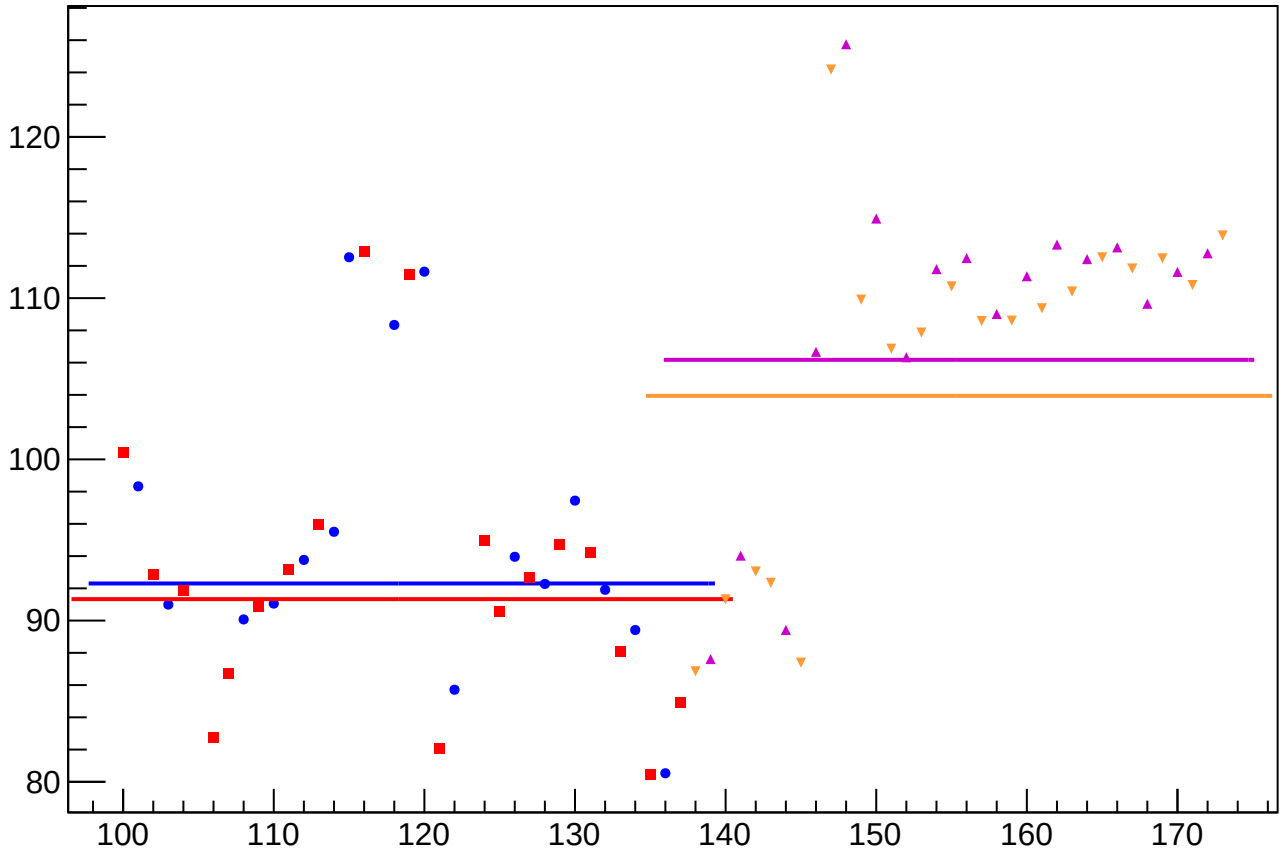
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
Right In: 32.312+/-34.429 χ²/NDF: 17.3/15
Left Out: -176.312+/-26.957 χ²/NDF:25.5/18
Right Out: -11.576+/-33.548 χ²/NDF: 17.2/18
Left In: -177.169+/-28.490 χ²/NDF:16.7/16
Left: -176.716+/-19.581 χ²/NDF: 42.2/35
Right: 9.800+/-24.028 χ²/NDF: 35.3/34
In: -92.026+/-21.949 χ²/NDF:55.9/32
Out: -111.680+/-21.014 χ²/NDF:57.3/37
All: -102.281+/-15.179 χ²/NDF: 113.7/70



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 103.940+/-0.019 χ^2/NDF:305463.8/18

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 106.173+/-0.020 χ^2/NDF:259768.3/16

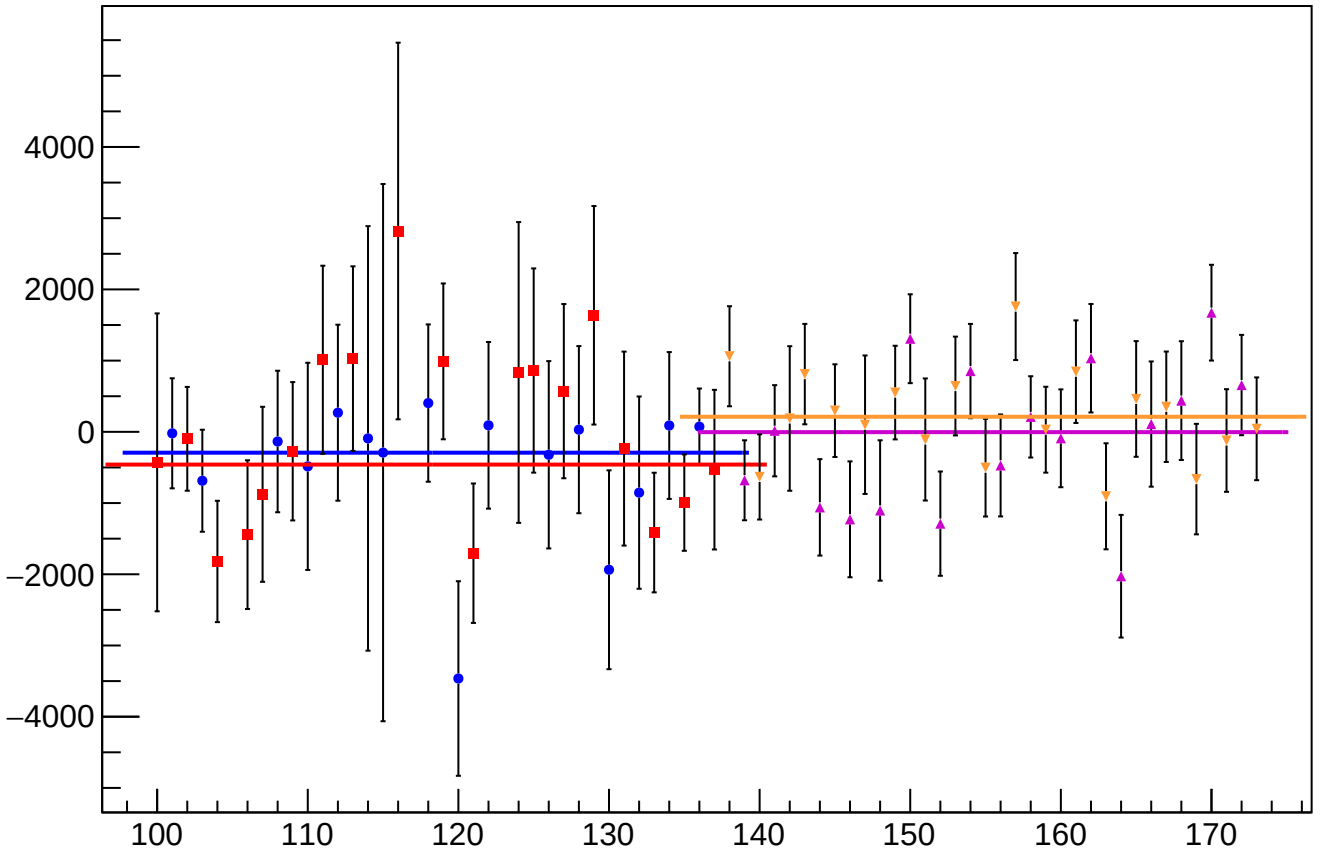
Left: 104.995+/-0.014 χ^2/NDF: 571714.6/35

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 100.535+/-0.016 χ^2/NDF:559512.3/32

Out: 98.993+/-0.015 χ^2/NDF:582028.8/37

All: 99.731+/-0.011 χ^2/NDF: 1146690.7/70



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 211.729+/-166.567 χ^2/NDF:15.1/18

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -4.268+/-170.959 χ^2/NDF:31.9/16

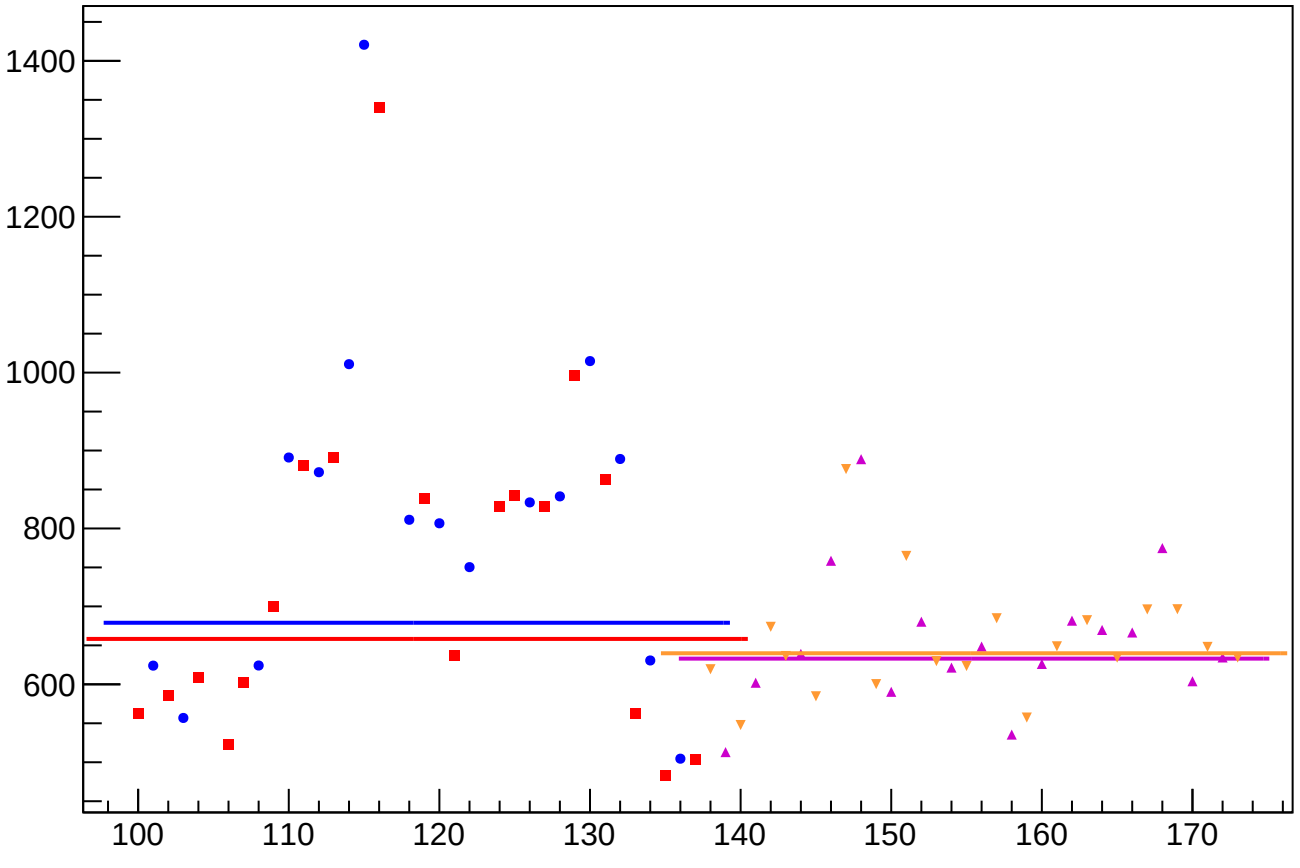
Left: 106.541+/-119.303 χ^2/NDF: 47.9/35

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -91.491+/-142.795 χ^2/NDF:41.6/32

Out: 4.816+/-138.539 χ^2/NDF:37.2/37

All: -41.881+/-99.432 χ^2/NDF: 79.0/70



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 639.848+/-0.118 χ^2/NDF:308232.9/18

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 632.980+/-0.121 χ^2/NDF:432659.8/16

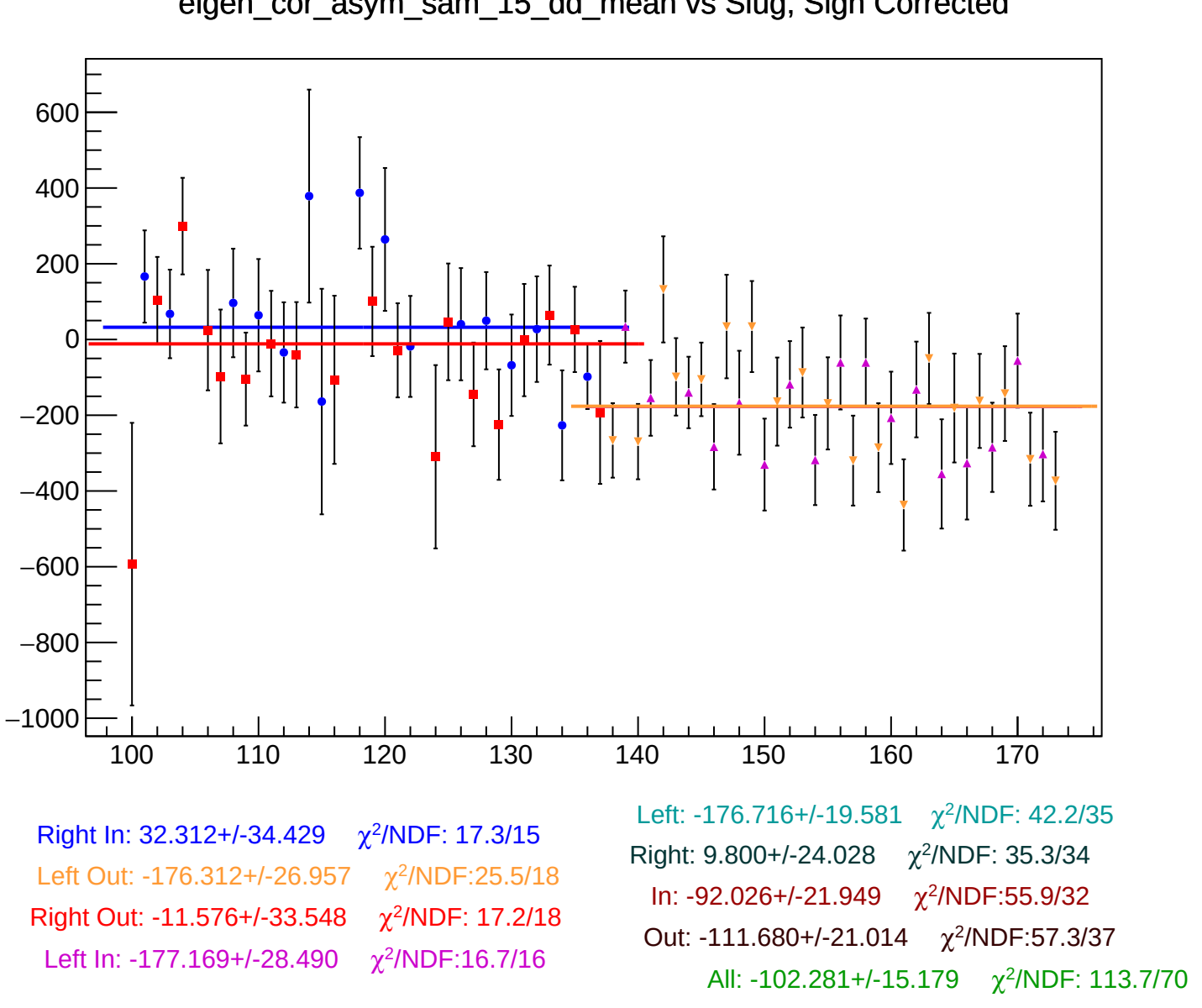
Left: 636.503+/-0.084 χ^2/NDF: 742548.3/35

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 646.895+/-0.101 χ^2/NDF:1244467.2/32

Out: 645.523+/-0.098 χ^2/NDF:1121664.8/37

All: 646.188+/-0.070 χ^2/NDF: 2366227.0/70


eigen_cor_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
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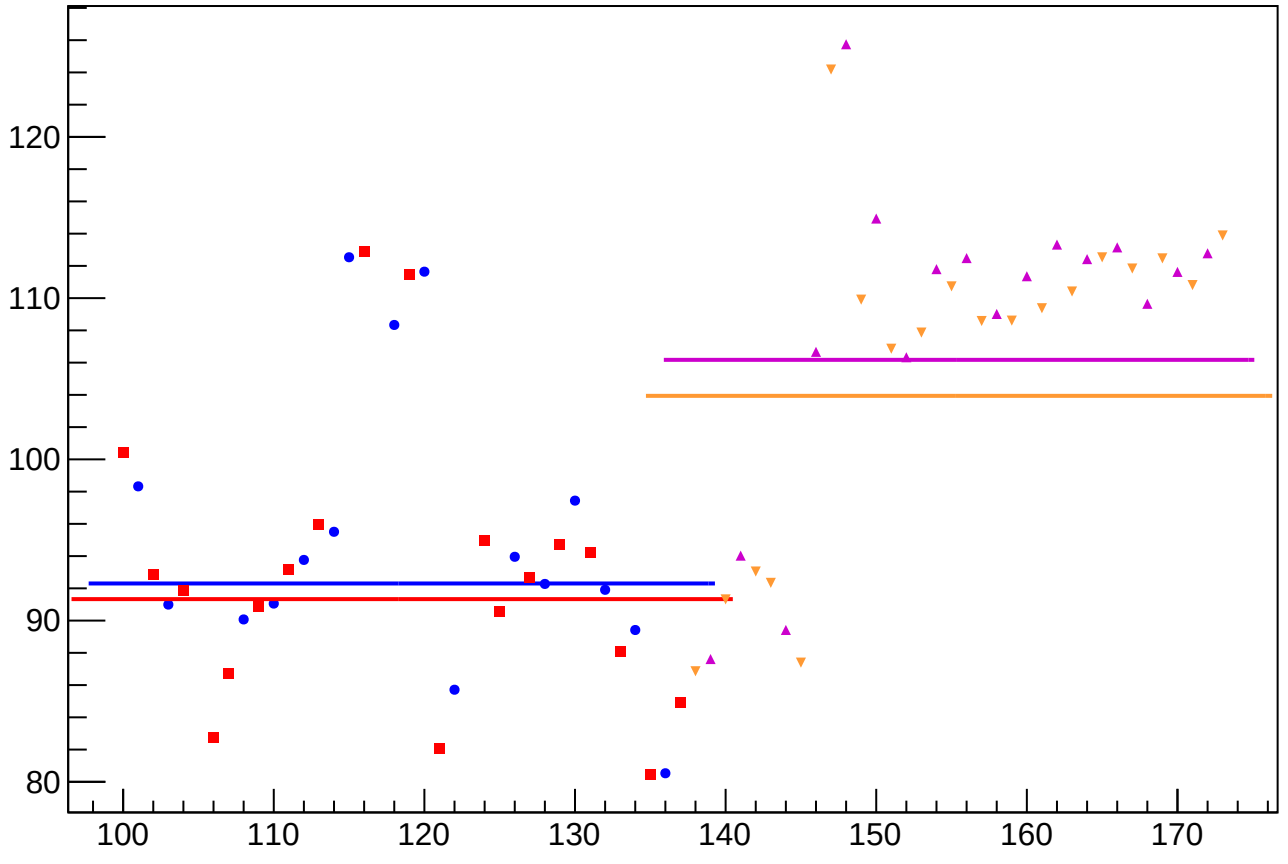
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
Right In: 32.312+/-34.429 χ²/NDF: 17.3/15
Left Out: -176.312+/-26.957 χ²/NDF:25.5/18
Right Out: -11.576+/-33.548 χ²/NDF: 17.2/18
Left In: -177.169+/-28.490 χ²/NDF:16.7/16
Left: -176.716+/-19.581 χ²/NDF: 42.2/35
Right: 9.800+/-24.028 χ²/NDF: 35.3/34
In: -92.026+/-21.949 χ²/NDF:55.9/32
Out: -111.680+/-21.014 χ²/NDF:57.3/37
All: -102.281+/-15.179 χ²/NDF: 113.7/70



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 103.940+/-0.019 χ^2/NDF:305463.8/18

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 106.173+/-0.020 χ^2/NDF:259768.3/16

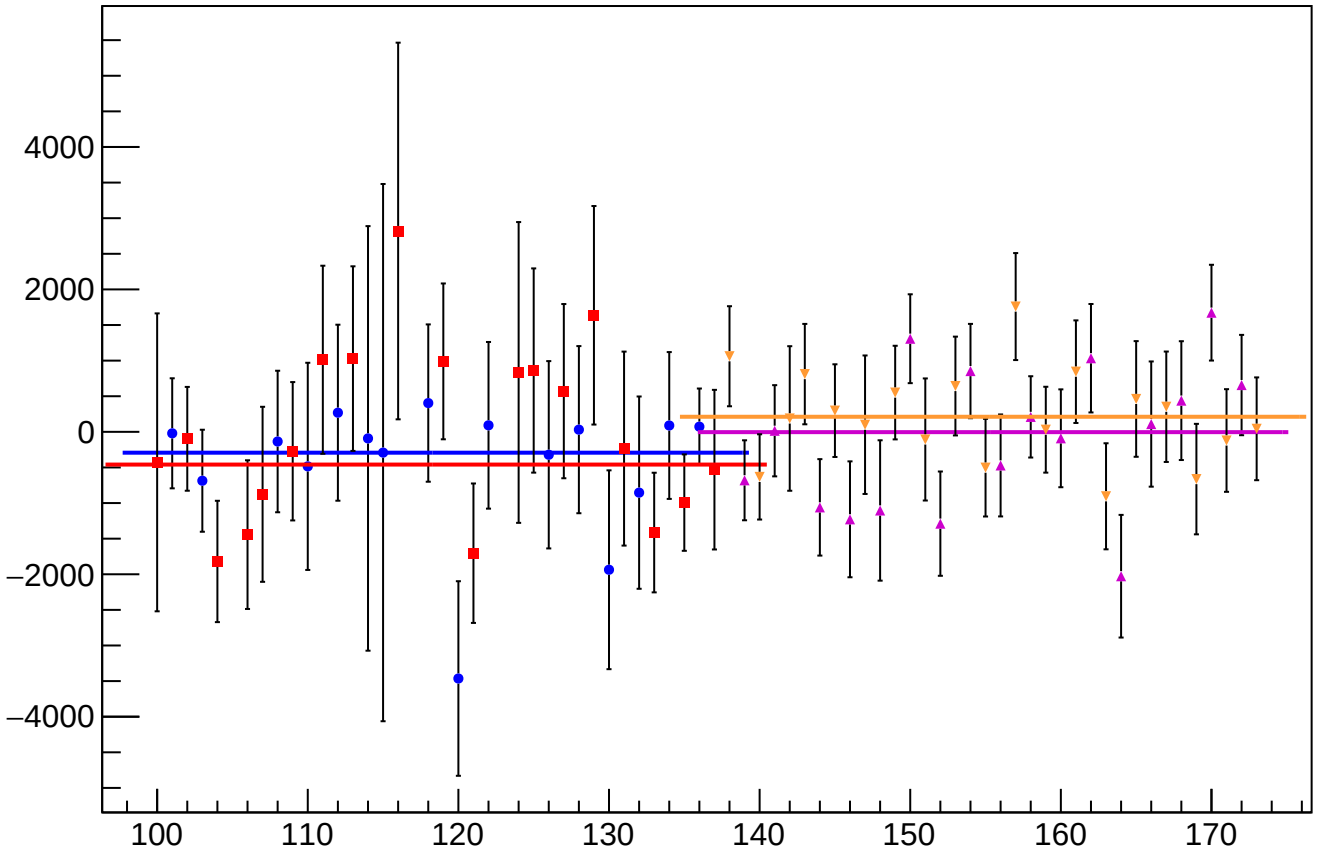
Left: 104.995+/-0.014 χ^2/NDF: 571714.6/35

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 100.535+/-0.016 χ^2/NDF:559512.3/32

Out: 98.993+/-0.015 χ^2/NDF:582028.8/37

All: 99.731+/-0.011 χ^2/NDF: 1146690.7/70



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 211.729+/-166.567 χ^2/NDF:15.1/18

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -4.268+/-170.959 χ^2/NDF:31.9/16

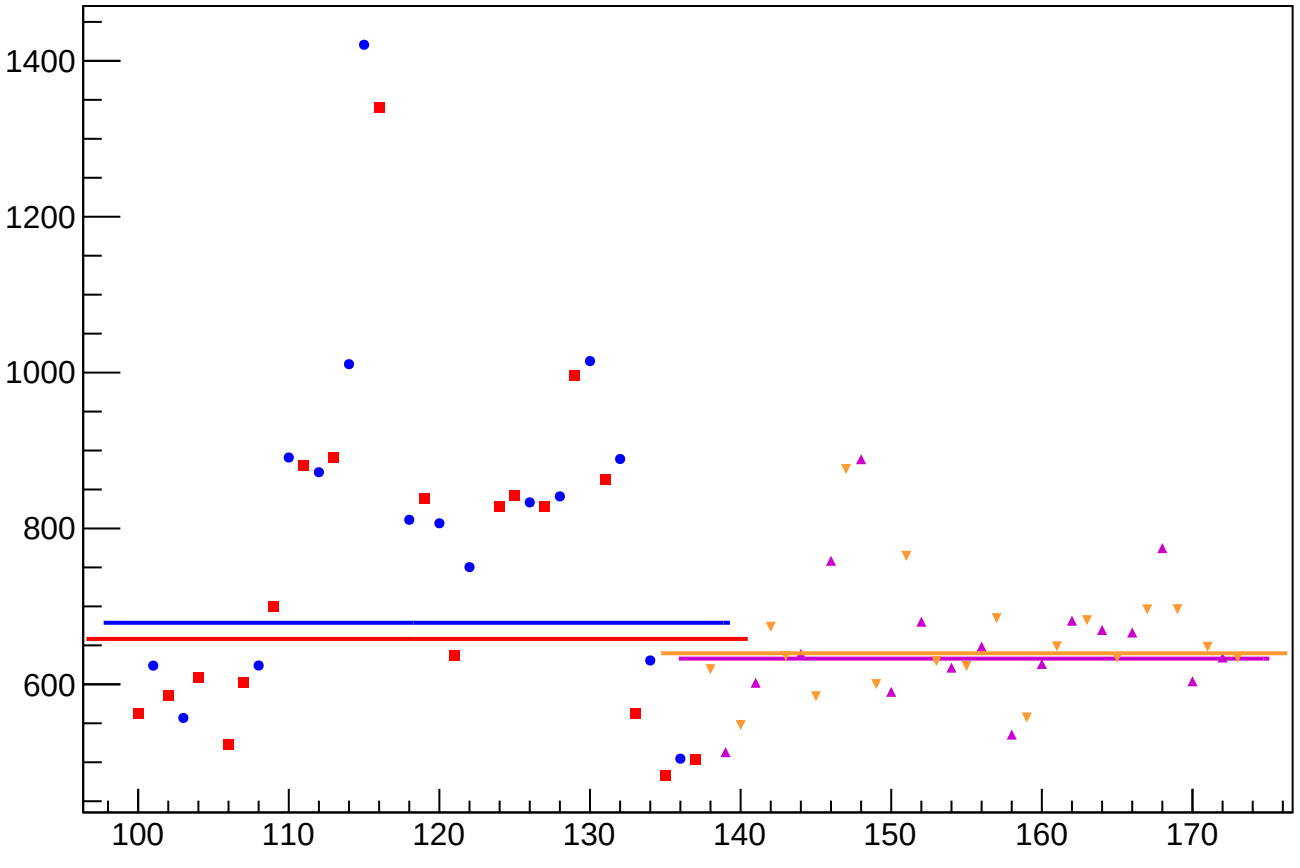
Left: 106.541+/-119.303 χ^2/NDF: 47.9/35

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -91.491+/-142.795 χ^2/NDF:41.6/32

Out: 4.816+/-138.539 χ^2/NDF:37.2/37

All: -41.881+/-99.432 χ^2/NDF: 79.0/70



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 639.848+/-0.118 χ^2/NDF:308232.9/18

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 632.980+/-0.121 χ^2/NDF:432659.8/16

Left: 636.503+/-0.084 χ^2/NDF: 742548.3/35

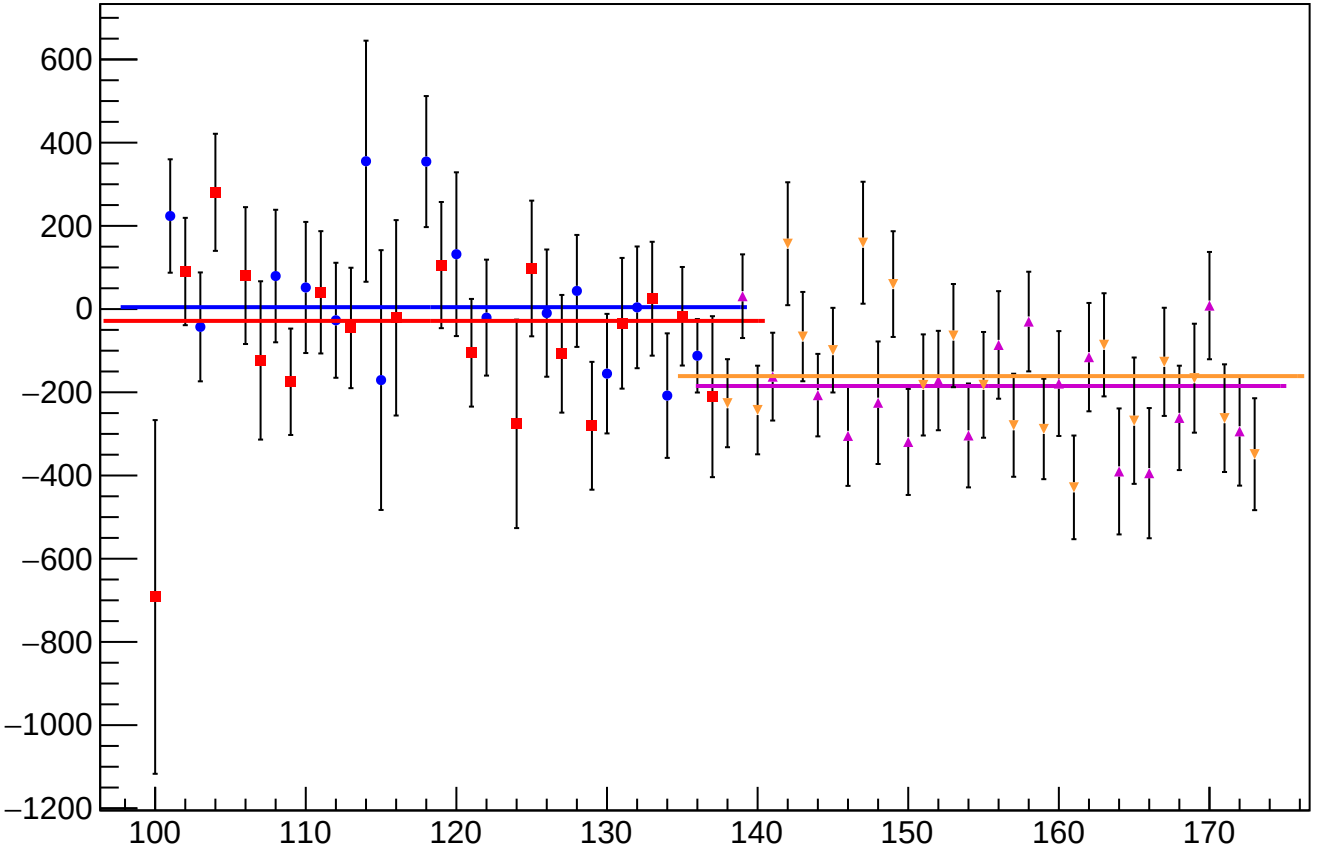
Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 646.895+/-0.101 χ^2/NDF:1244467.2/32

Out: 645.523+/-0.098 χ^2/NDF:1121664.8/37

All: 646.188+/-0.070 χ^2/NDF: 2366227.0/70

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -161.106+/-28.295 χ^2/NDF:25.4/18

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -184.890+/-29.884 χ^2/NDF:17.3/16

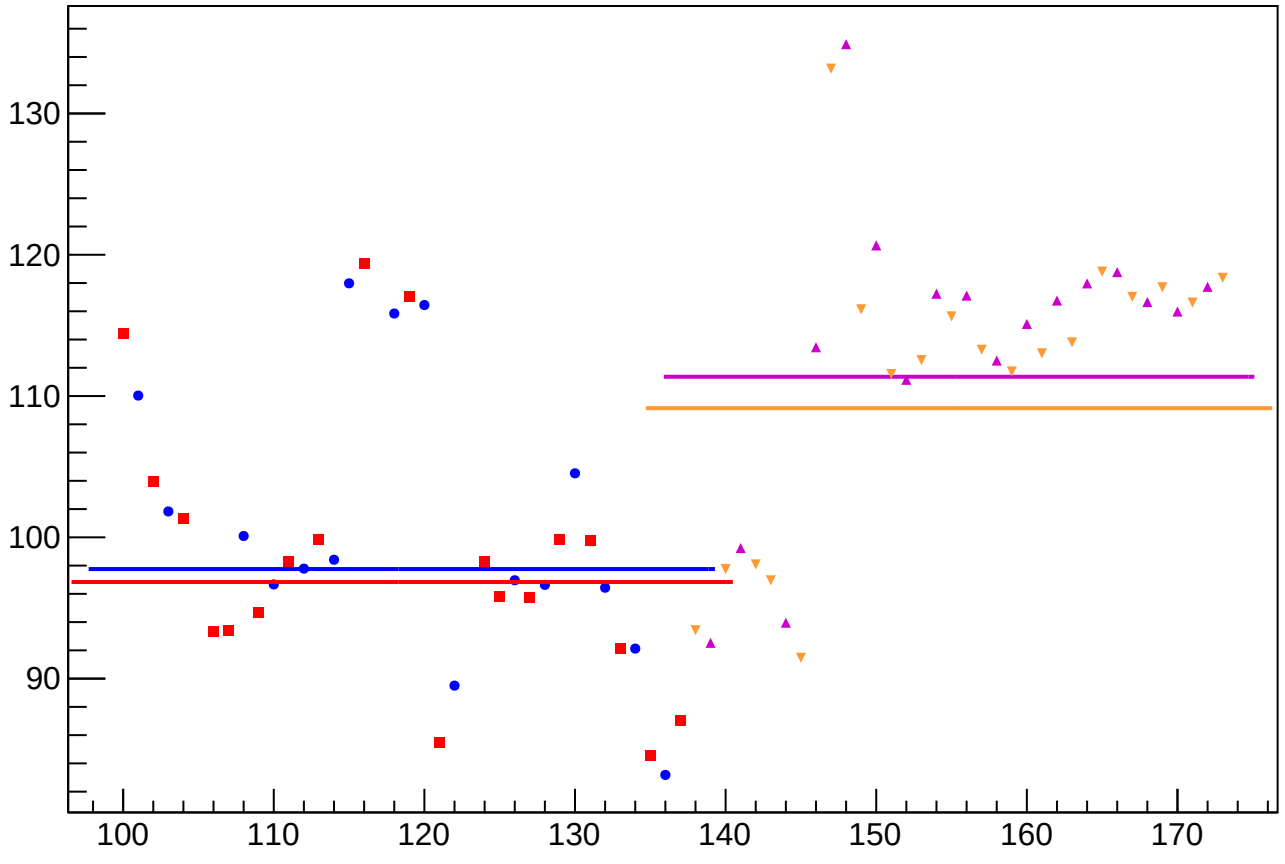
Left: -172.349+/-20.546 χ^2/NDF: 43.0/35

Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -108.859+/-23.125 χ^2/NDF:48.8/32

Out: -109.492+/-22.118 χ^2/NDF:51.0/37

All: -109.190+/-15.984 χ^2/NDF: 99.8/70



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 109.143+/-0.020 χ^2/NDF:279664.2/18

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 111.366+/-0.021 χ^2/NDF:253412.7/16

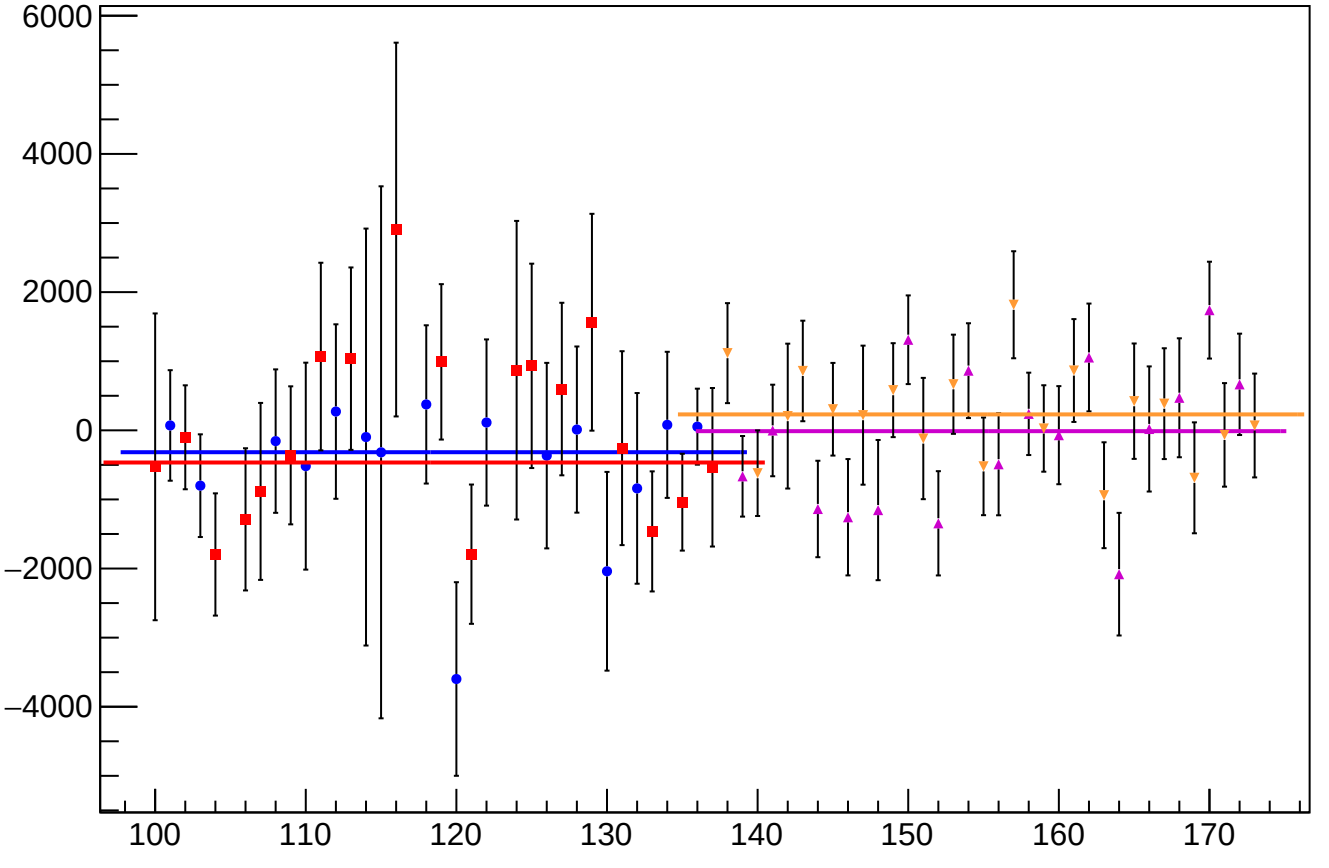
Left: 110.194+/-0.015 χ^2/NDF: 538910.5/35

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 105.906+/-0.016 χ^2/NDF:560497.3/32

Out: 104.358+/-0.016 χ^2/NDF:541924.3/37

All: 105.097+/-0.011 χ^2/NDF: 1107101.0/70



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 230.539+/-172.102 χ^2/NDF:15.0/18

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -11.960+/-176.851 χ^2/NDF:31.6/16

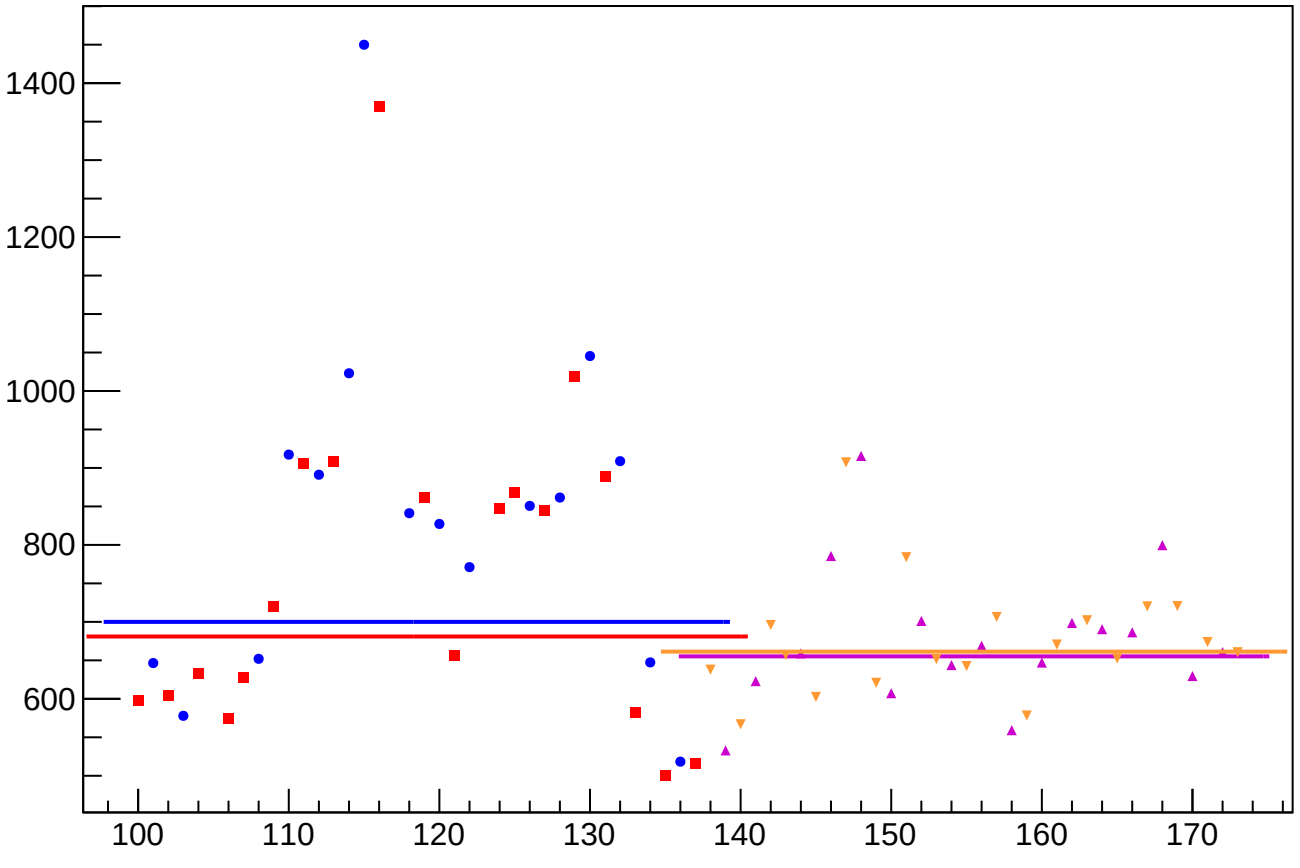
Left: 112.589+/-123.339 χ^2/NDF: 47.6/35

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -104.600+/-147.528 χ^2/NDF:41.7/32

Out: 14.609+/-142.939 χ^2/NDF:36.6/37

All: -43.112+/-102.657 χ^2/NDF: 78.6/70



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 661.342+/-0.122 χ^2/NDF:304094.9/18

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 655.181+/-0.125 χ^2/NDF:415014.2/16

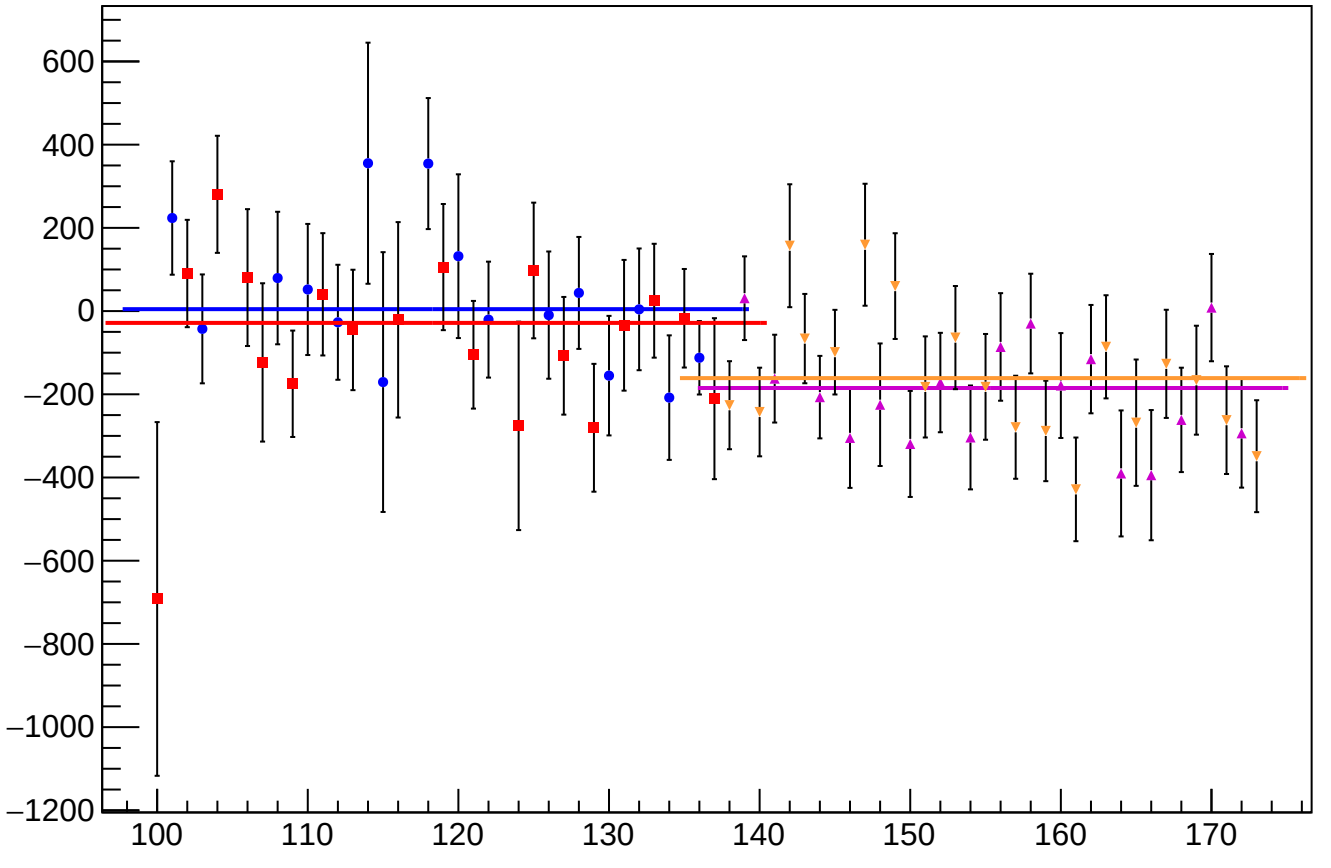
Left: 658.346+/-0.087 χ^2/NDF: 720355.8/35

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 668.803+/-0.104 χ^2/NDF:1207696.9/32

Out: 667.445+/-0.101 χ^2/NDF:1081599.7/37

All: 668.103+/-0.073 χ^2/NDF: 2289384.1/70



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -161.107+/-28.295 χ^2/NDF:25.4/18

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -184.890+/-29.884 χ^2/NDF:17.3/16

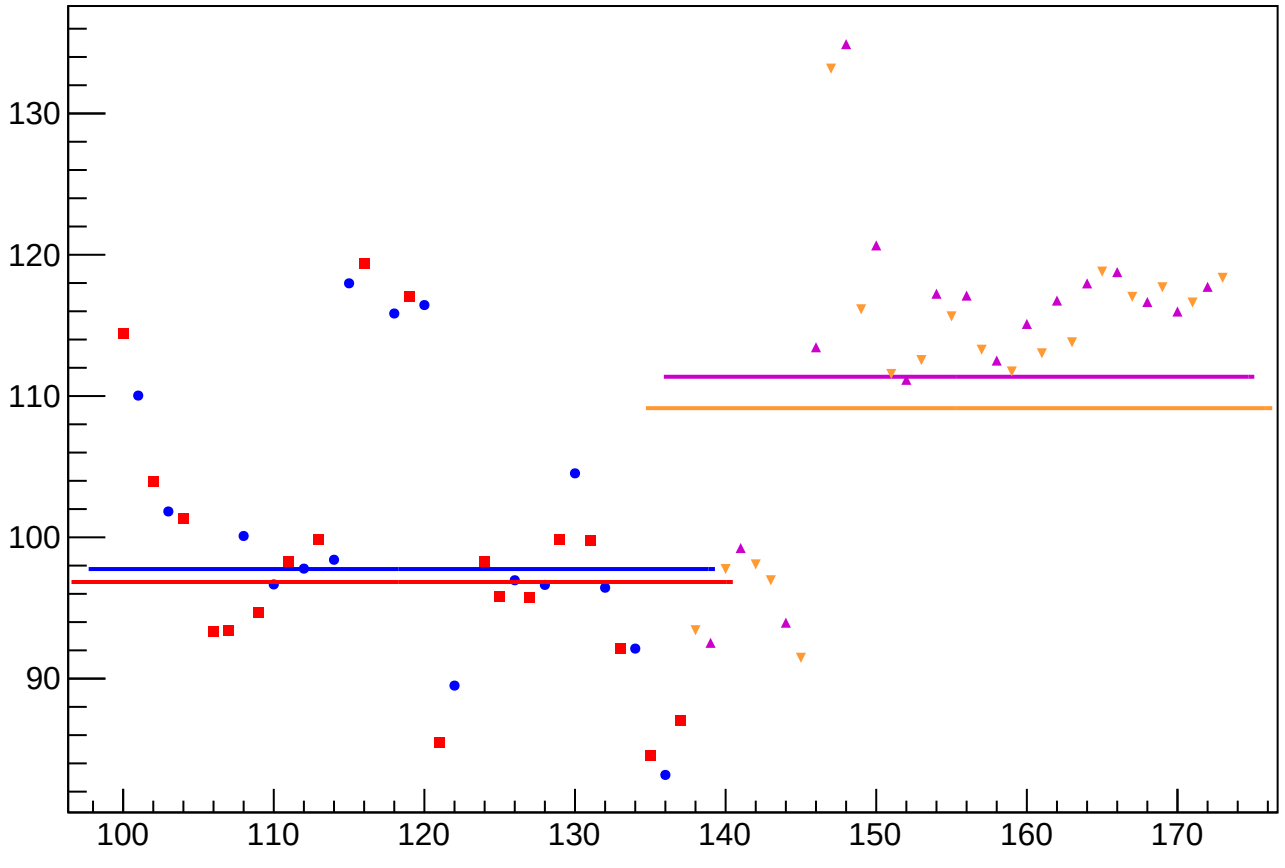
Left: -172.349+/-20.546 χ^2/NDF: 43.0/35

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -108.858+/-23.125 χ^2/NDF:48.8/32

Out: -109.492+/-22.118 χ^2/NDF:51.0/37

All: -109.189+/-15.984 χ^2/NDF: 99.8/70



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 109.143+/-0.020 χ^2/NDF:279663.7/18

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 111.366+/-0.021 χ^2/NDF:253410.2/16

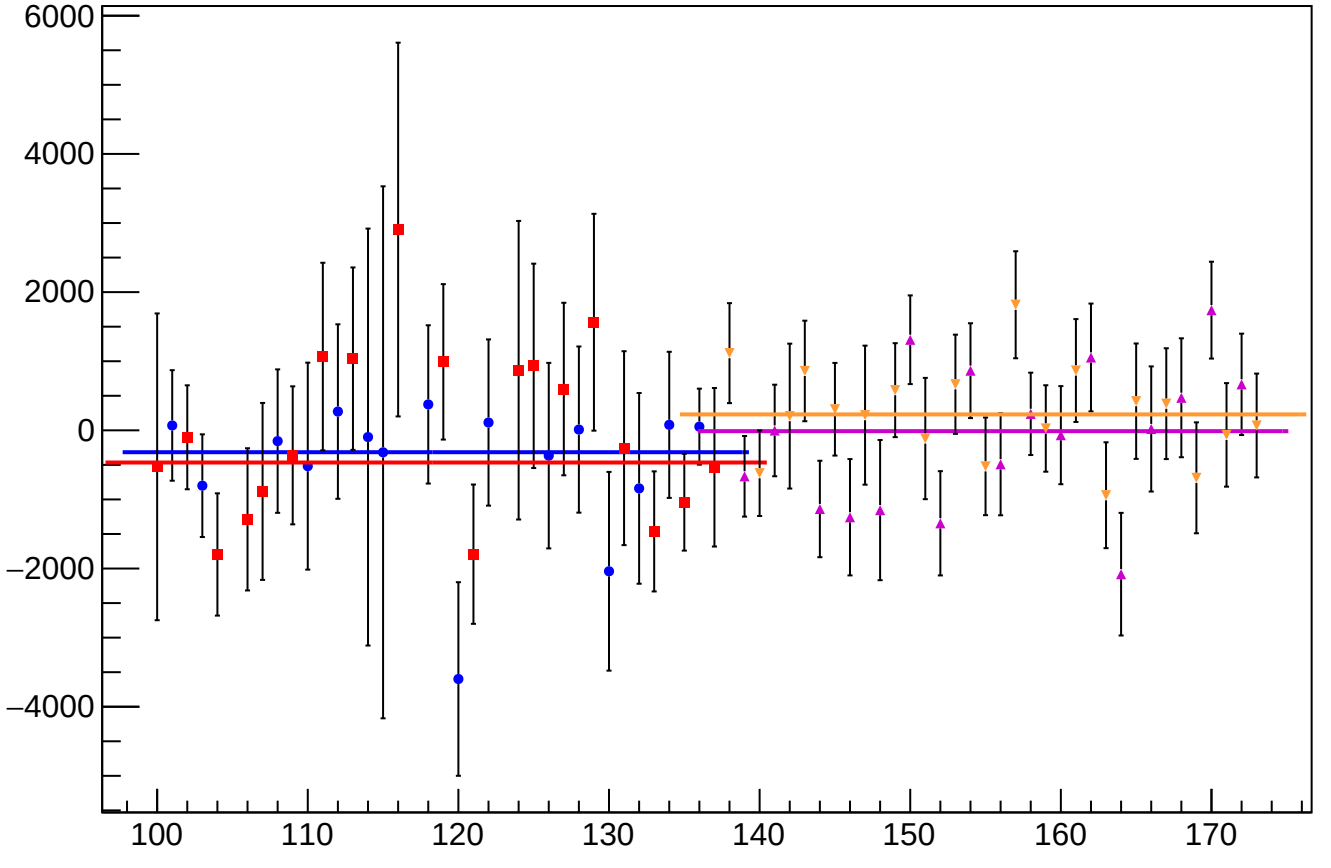
Left: 110.194+/-0.015 χ^2/NDF: 538907.5/35

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 105.906+/-0.016 χ^2/NDF:560505.0/32

Out: 104.358+/-0.016 χ^2/NDF:541935.7/37

All: 105.097+/-0.011 χ^2/NDF: 1107120.2/70



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 230.539+/-172.102 χ^2/NDF:15.0/18

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -11.960+/-176.851 χ^2/NDF:31.6/16

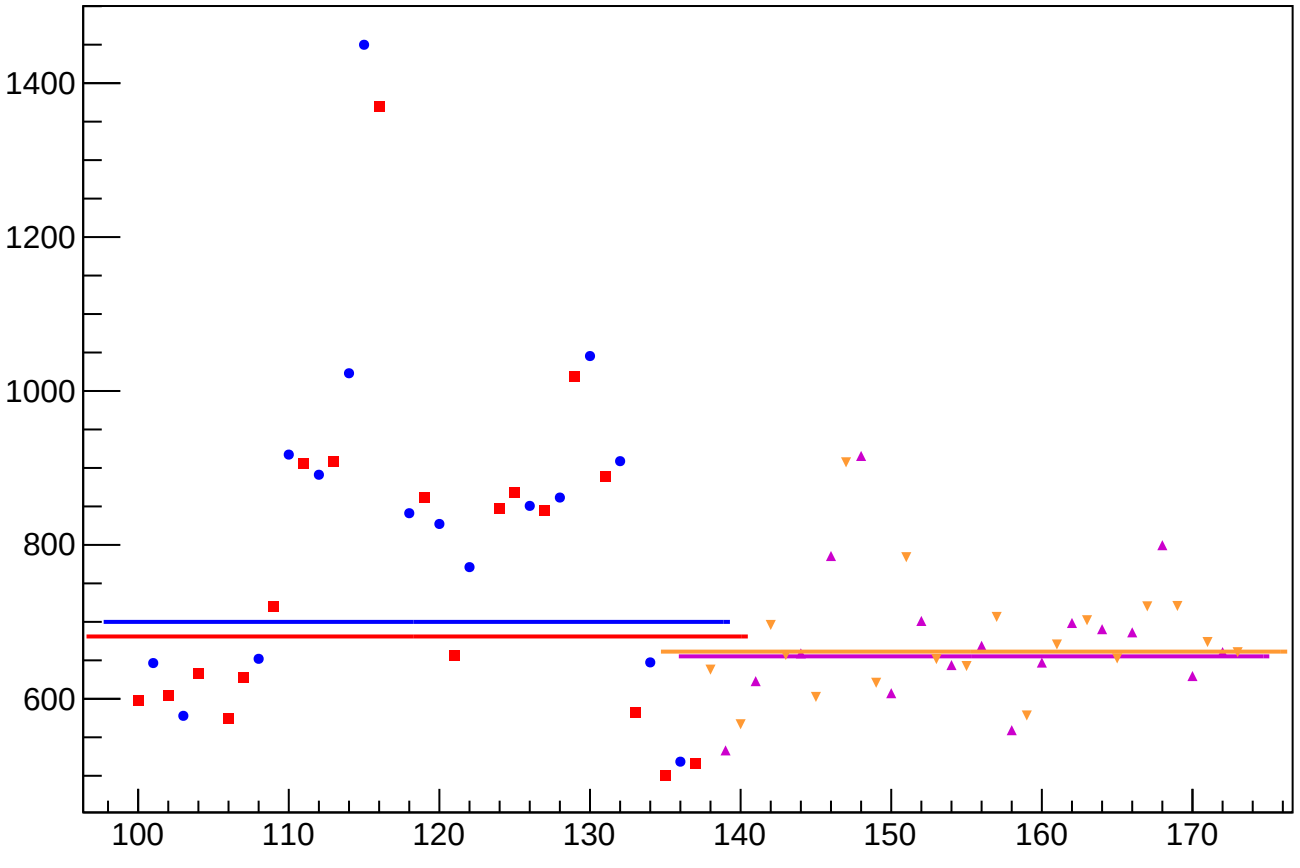
Left: 112.589+/-123.339 χ^2/NDF: 47.6/35

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -104.600+/-147.528 χ^2/NDF:41.7/32

Out: 14.608+/-142.939 χ^2/NDF:36.6/37

All: -43.113+/-102.657 χ^2/NDF: 78.6/70



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 661.343+/-0.122 χ^2/NDF:304095.1/18

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 655.182+/-0.125 χ^2/NDF:415014.6/16

Left: 658.346+/-0.087 χ^2/NDF: 720356.3/35

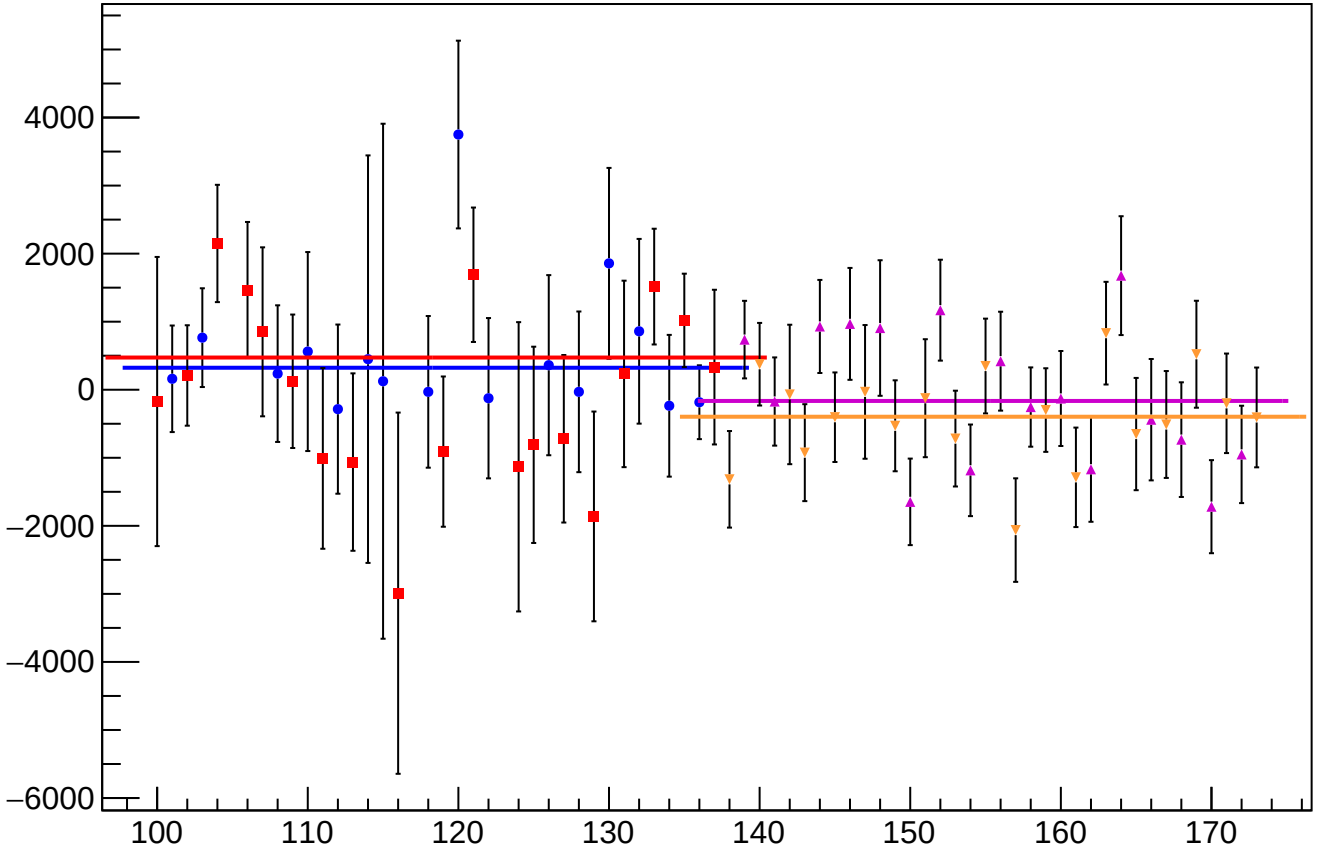
Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 668.804+/-0.104 χ^2/NDF:1207696.5/32

Out: 667.445+/-0.101 χ^2/NDF:1081601.0/37

All: 668.103+/-0.073 χ^2/NDF: 2289385.0/70

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -396.636+/-168.871 χ^2/NDF:16.1/18

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: -164.785+/-173.483 χ^2/NDF:32.8/16

Left: -283.834+/-121.007 χ^2/NDF: 49.8/35

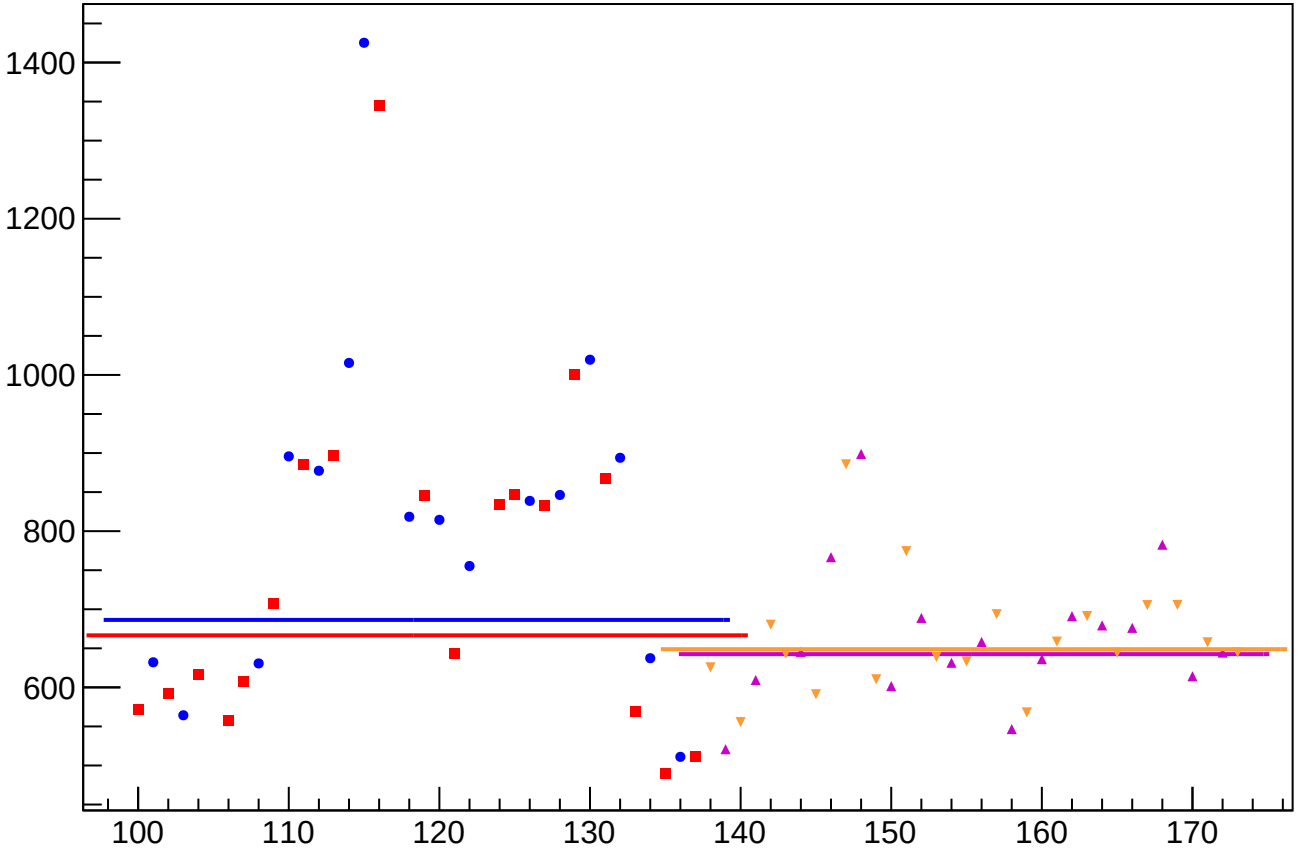
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: -16.308+/-144.704 χ^2/NDF:44.9/32

Out: -126.073+/-140.169 χ^2/NDF:43.7/37

All: -72.937+/-100.679 χ^2/NDF: 89.0/70

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 648.875+/-0.119 χ^2/NDF:302376.7/18

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 642.571+/-0.123 χ^2/NDF:419525.2/16

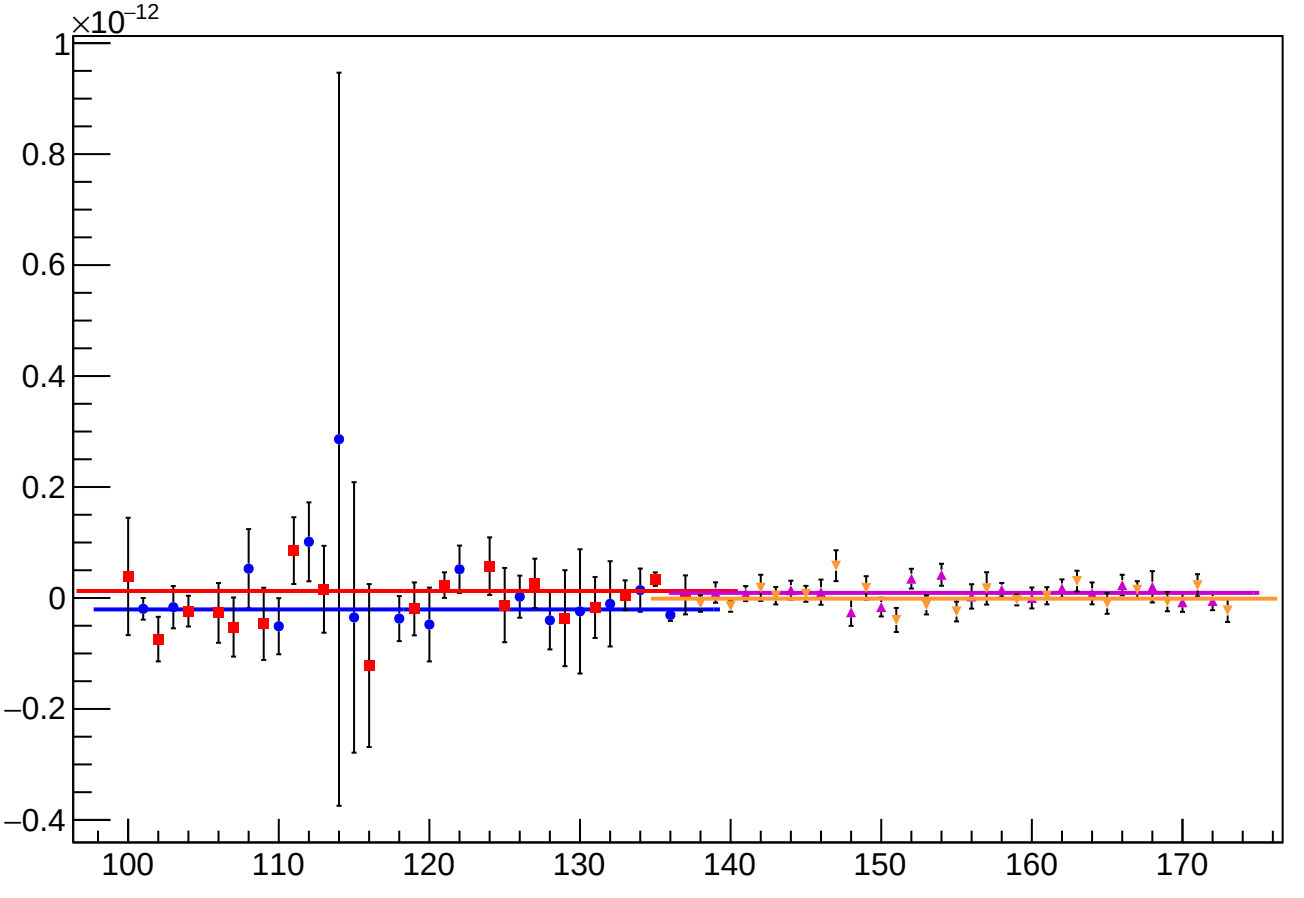
Left: 645.808+/-0.086 χ^2/NDF: 723258.1/35

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 655.905+/-0.102 χ^2/NDF:1207811.1/32

Out: 654.399+/-0.099 χ^2/NDF:1086290.1/37

All: 655.128+/-0.071 χ^2/NDF: 2294212.9/70



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.4/16

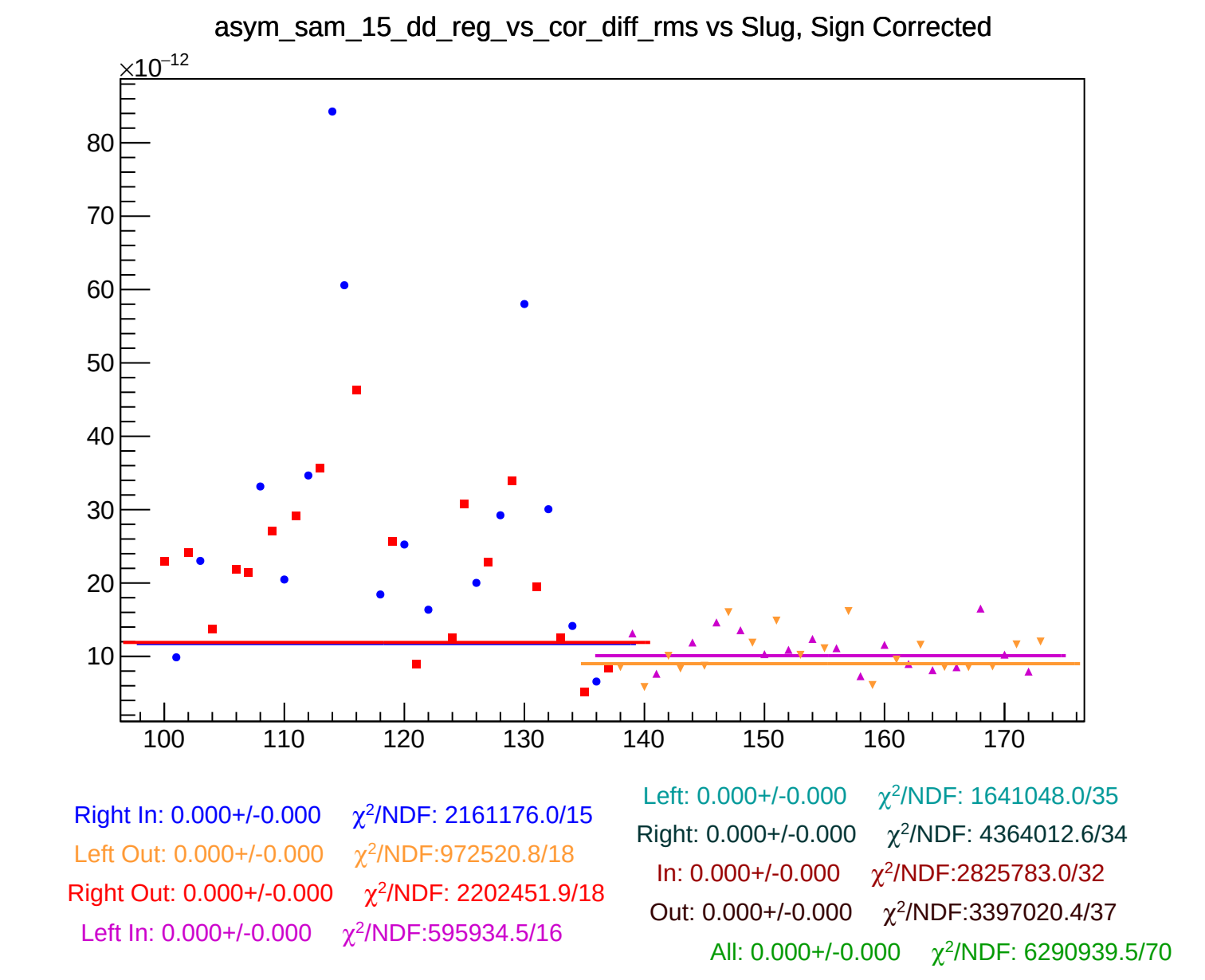
Left: 0.000+/-0.000 χ^2/NDF: 37.0/35

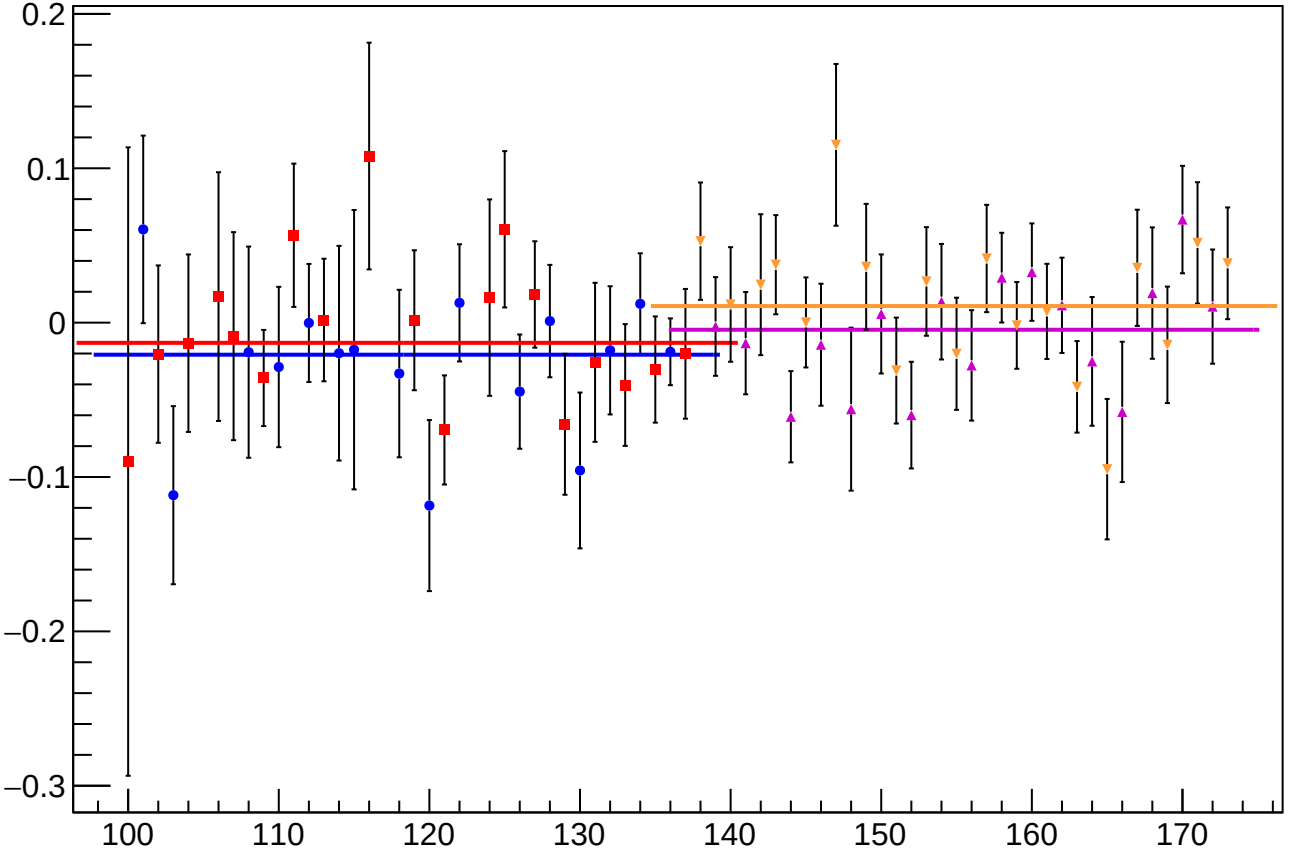
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:33.5/32

Out: 0.000+/-0.000 χ^2/NDF:40.8/37

All: 0.000+/-0.000 χ^2/NDF: 74.4/70


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:972520.8/18
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:595934.5/16
Left: 0.000+/-0.000 χ²/NDF: 1641048.0/35
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2825783.0/32
Out: 0.000+/-0.000 χ²/NDF:3397020.4/37
All: 0.000+/-0.000 χ²/NDF: 6290939.5/70



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.0/18

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.005+/-0.009 χ^2/NDF:17.3/16

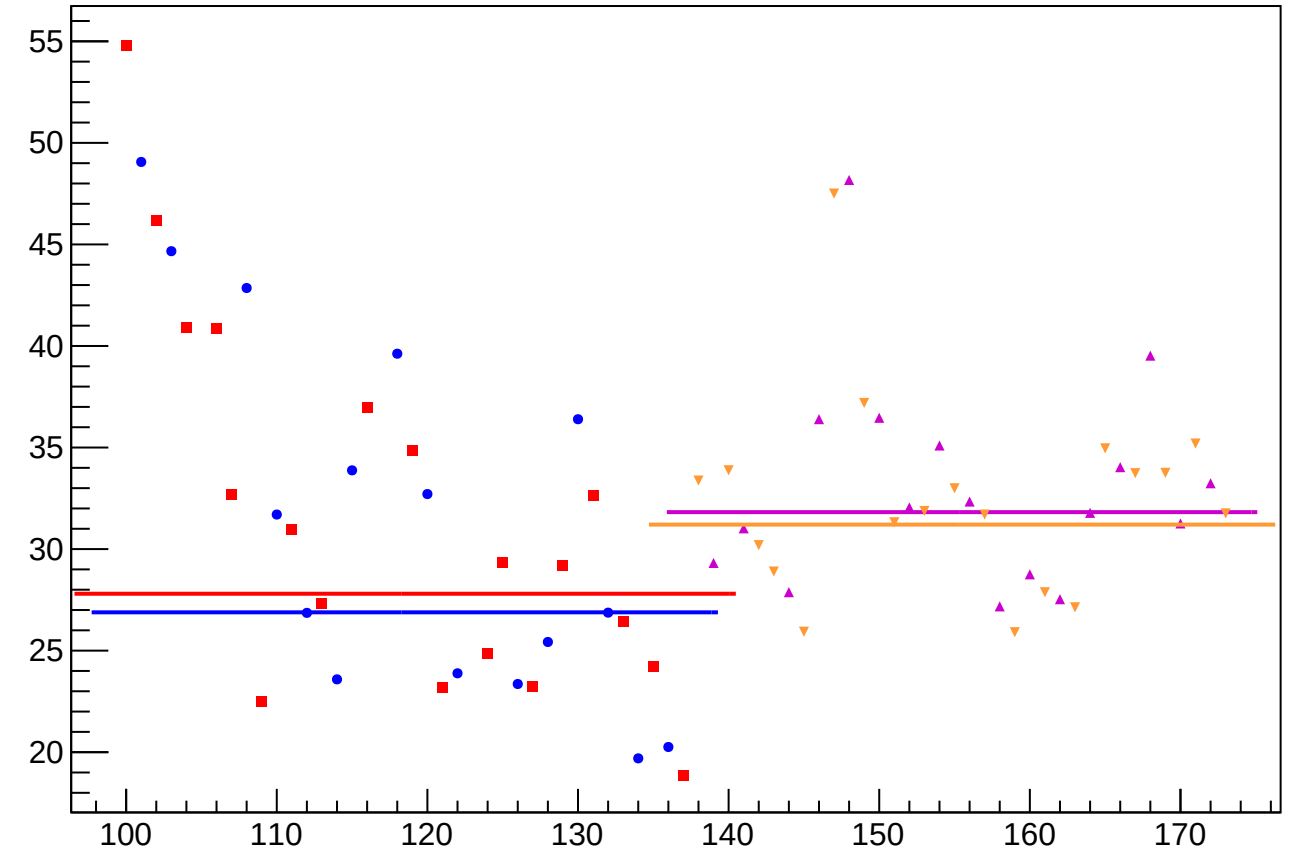
Left: 0.003+/-0.006 χ^2/NDF: 39.9/35

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.011+/-0.007 χ^2/NDF:31.3/32

Out: 0.002+/-0.006 χ^2/NDF:38.1/37

All: -0.004+/-0.005 χ^2/NDF: 71.3/70



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.206+/-0.006 χ^2/NDF:521177.4/18

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.820+/-0.006 χ^2/NDF:494771.5/16

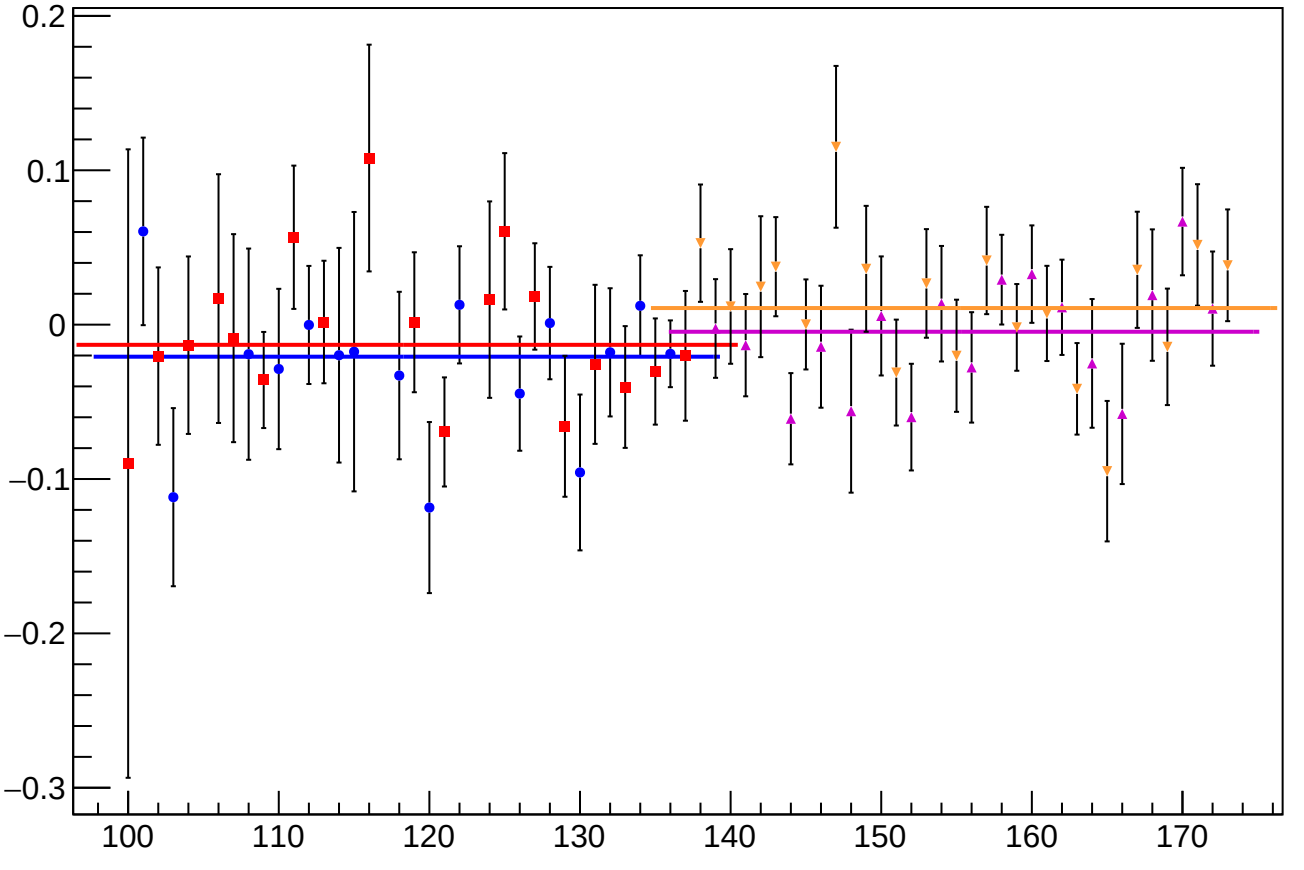
Left: 31.496+/-0.004 χ^2/NDF: 1021295.7/35

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.834+/-0.005 χ^2/NDF:1878716.7/32

Out: 29.930+/-0.005 χ^2/NDF:1414631.1/37

All: 29.883+/-0.003 χ^2/NDF: 3293560.5/70



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.0/18

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.005+/-0.009 χ^2/NDF:17.3/16

Left: 0.003+/-0.006 χ^2/NDF: 39.9/35

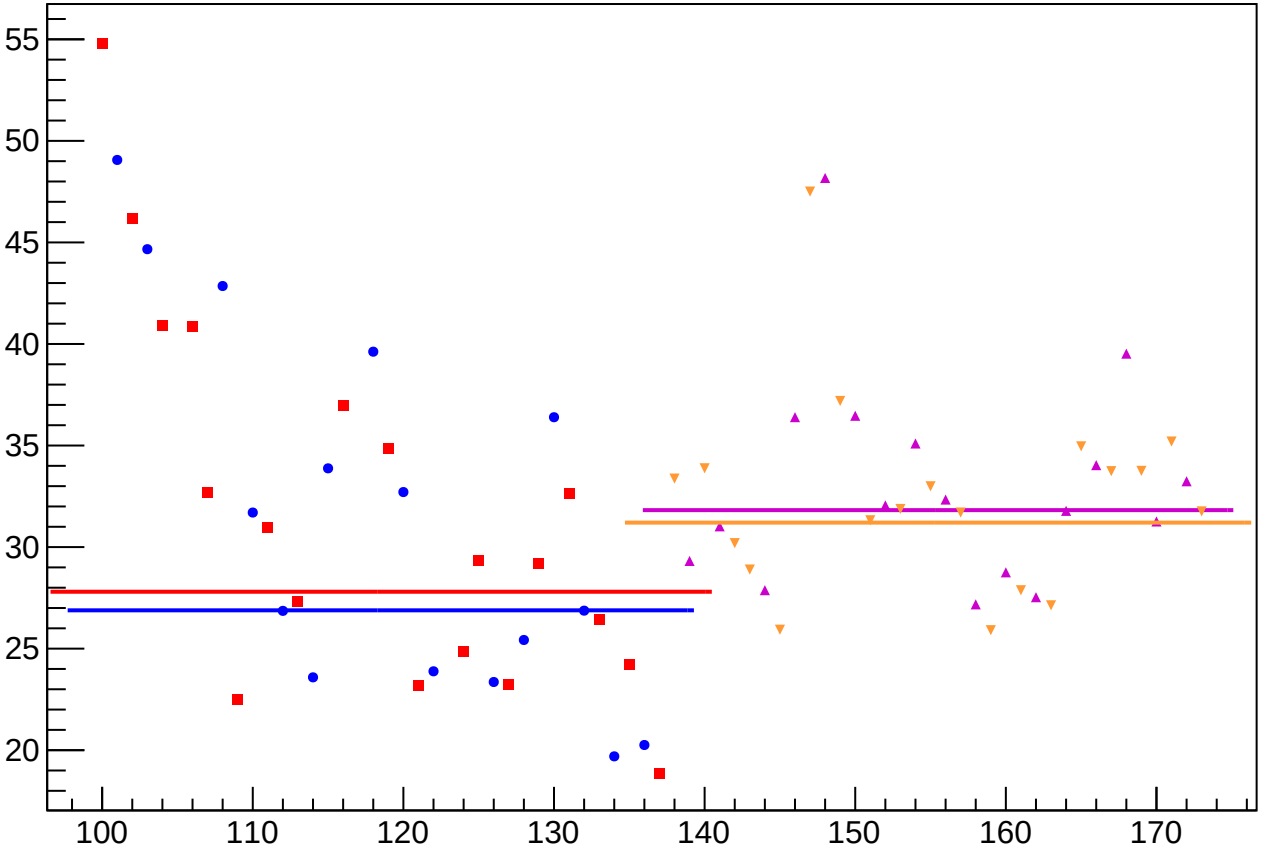
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.011+/-0.007 χ^2/NDF:31.3/32

Out: 0.002+/-0.006 χ^2/NDF:38.1/37

All: -0.004+/-0.005 χ^2/NDF: 71.3/70

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.206+/-0.006 χ^2/NDF:521177.4/18

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.820+/-0.006 χ^2/NDF:494771.5/16

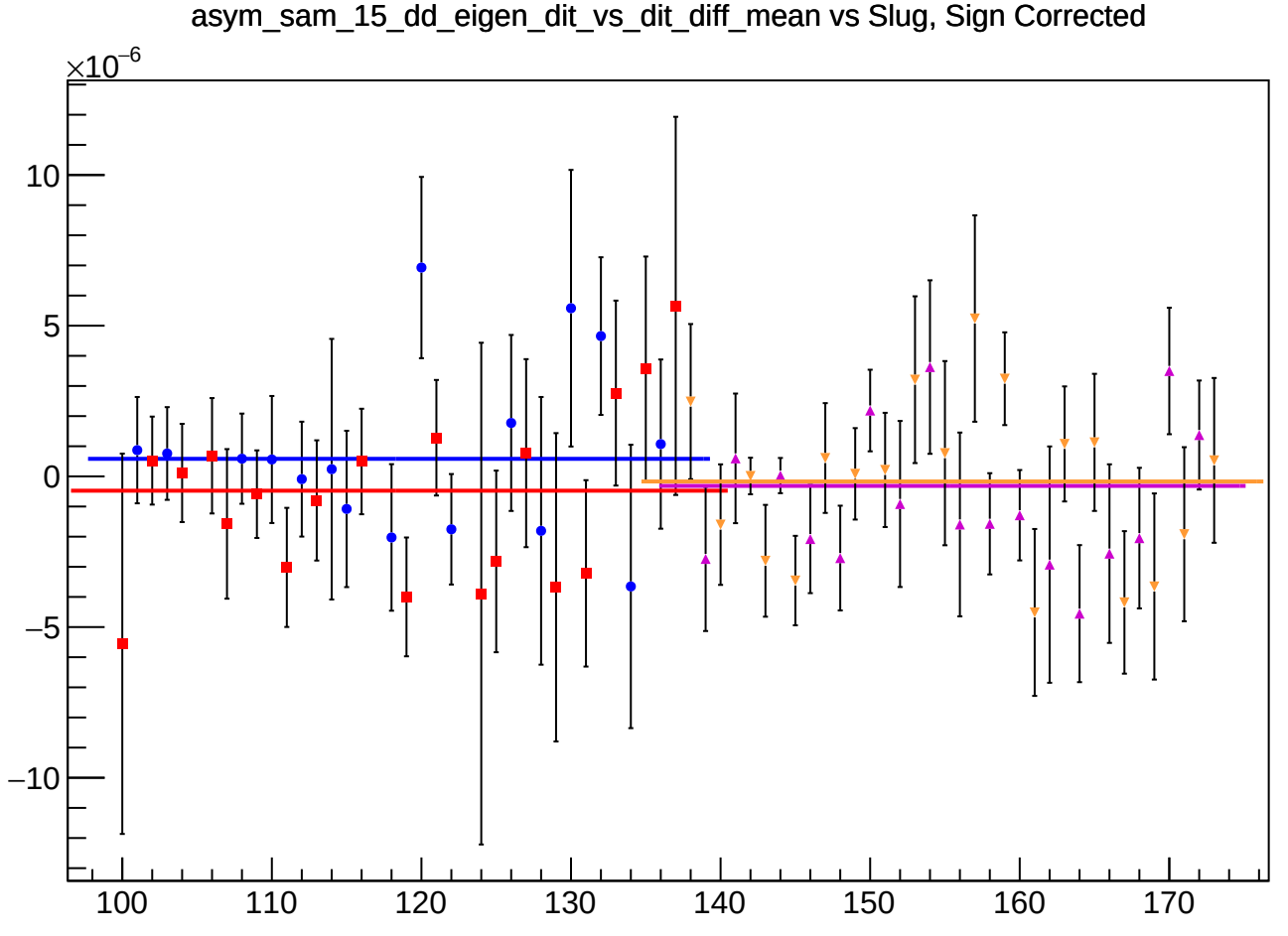
Left: 31.496+/-0.004 χ^2/NDF: 1021295.7/35

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.834+/-0.005 χ^2/NDF:1878716.7/32

Out: 29.930+/-0.005 χ^2/NDF:1414631.1/37

All: 29.883+/-0.003 χ^2/NDF: 3293560.5/70



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: -0.000+/-0.000 χ^2/NDF:20.1/16

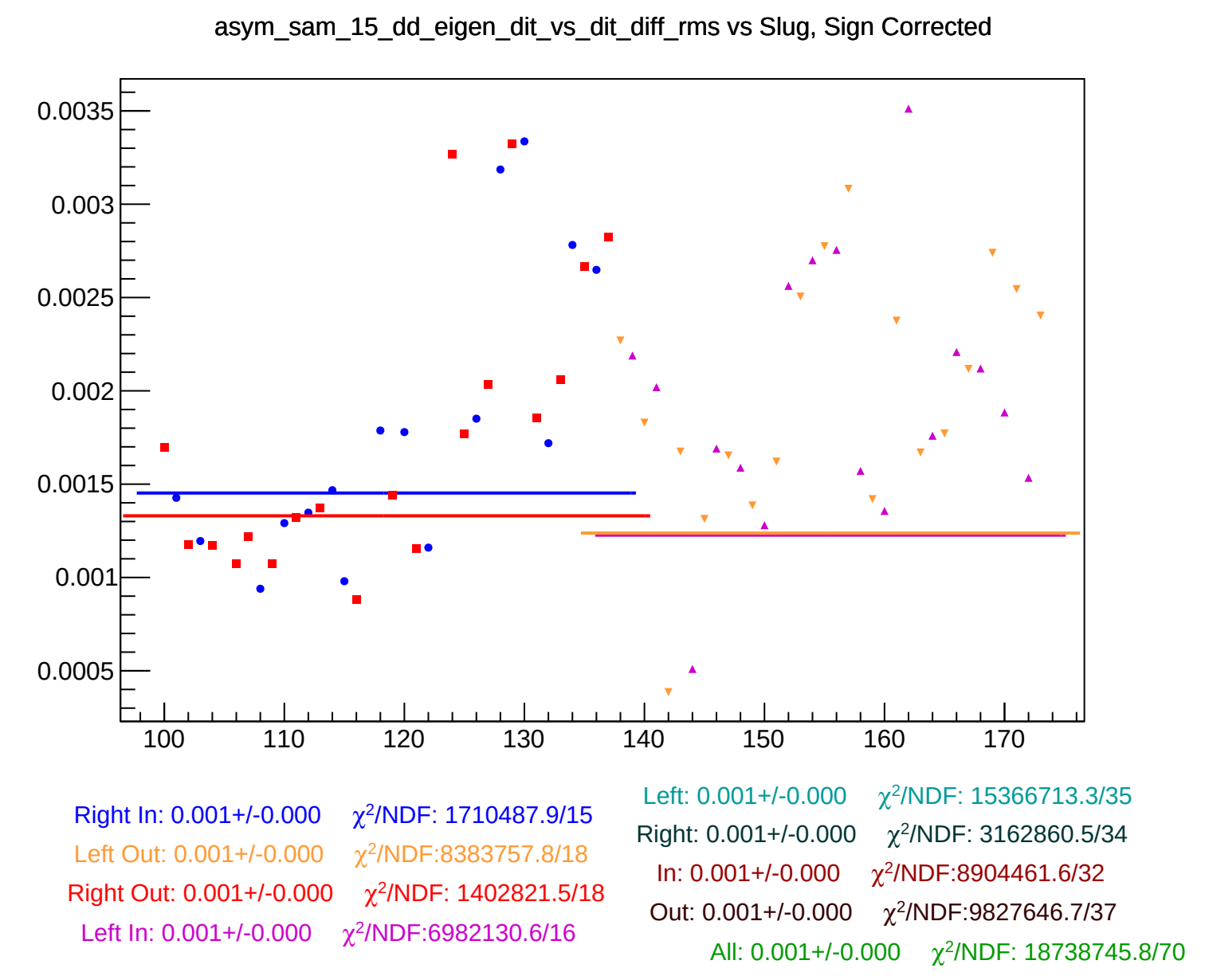
Left: -0.000+/-0.000 χ^2/NDF: 45.8/35

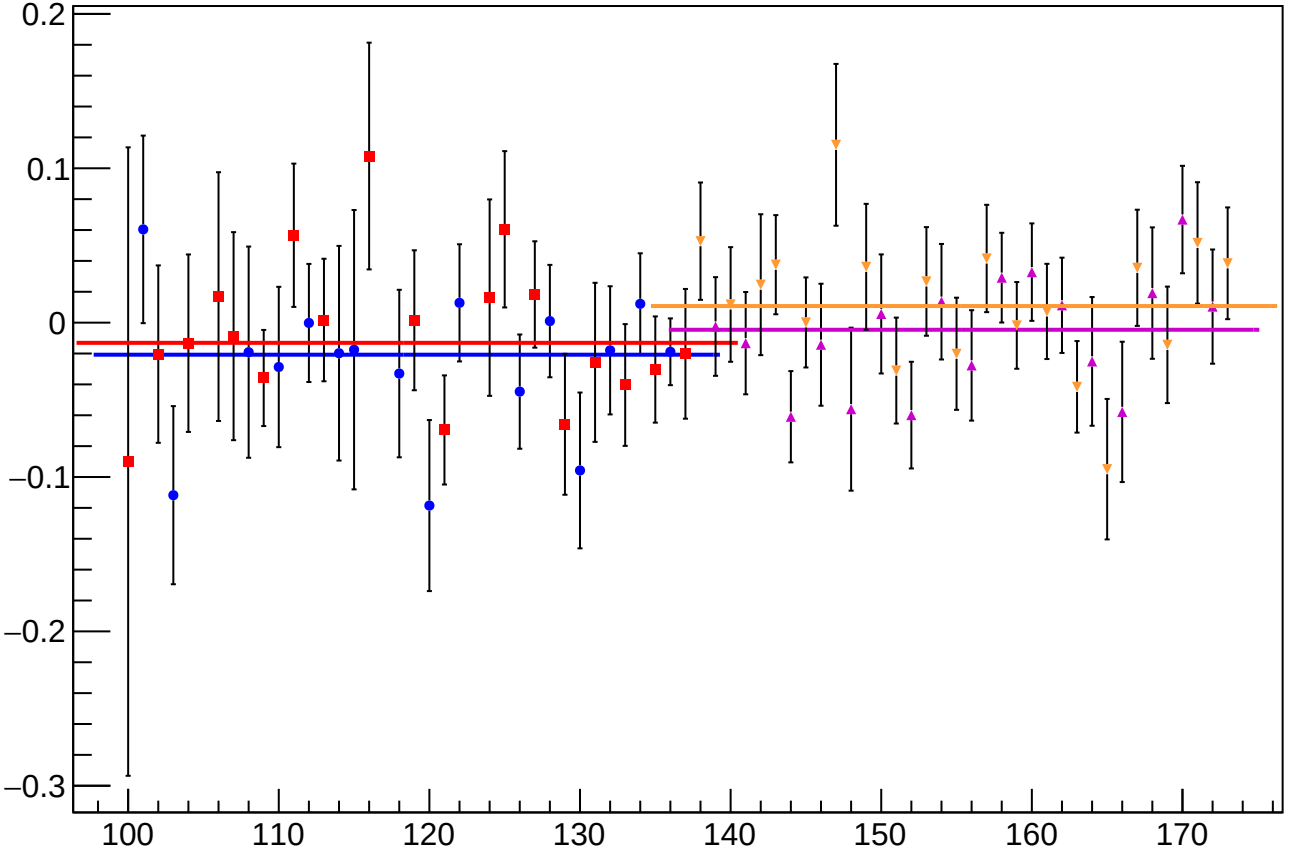
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:34.5/32

Out: -0.000+/-0.000 χ^2/NDF:39.0/37

All: -0.000+/-0.000 χ^2/NDF: 73.8/70


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
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:8383757.8/18
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:6982130.6/16
Left: 0.001+/-0.000 χ²/NDF: 15366713.3/35
Right: 0.001+/-0.000 χ²/NDF: 3162860.5/34
In: 0.001+/-0.000 χ²/NDF:8904461.6/32
Out: 0.001+/-0.000 χ²/NDF:9827646.7/37
All: 0.001+/-0.000 χ²/NDF: 18738745.8/70



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.0/18

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.005+/-0.009 χ^2/NDF:17.3/16

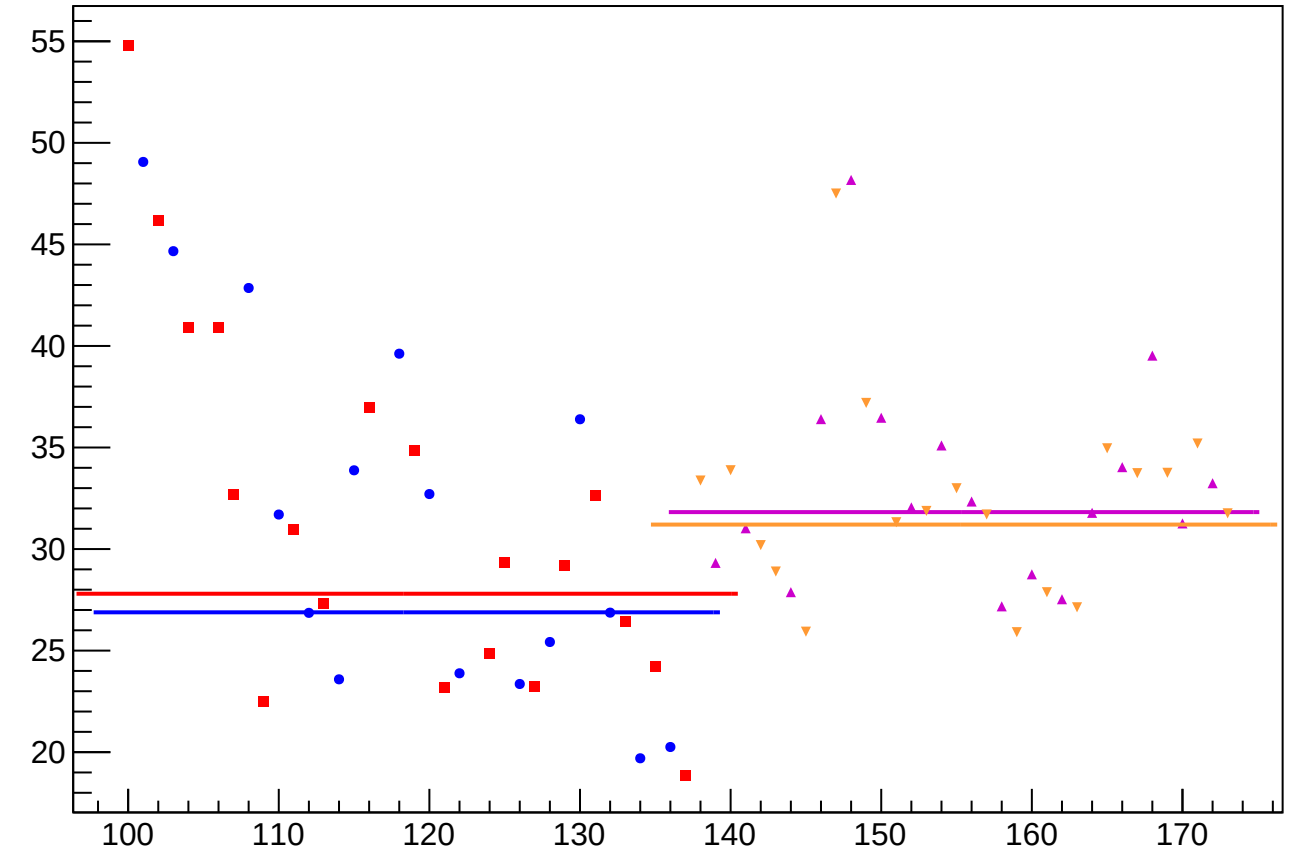
Left: 0.003+/-0.006 χ^2/NDF: 39.9/35

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.011+/-0.007 χ^2/NDF:31.3/32

Out: 0.002+/-0.006 χ^2/NDF:38.1/37

All: -0.004+/-0.005 χ^2/NDF: 71.3/70



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.205+/-0.006 χ^2/NDF:521300.1/18

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.819+/-0.006 χ^2/NDF:494871.7/16

Left: 31.496+/-0.004 χ^2/NDF: 1021518.9/35

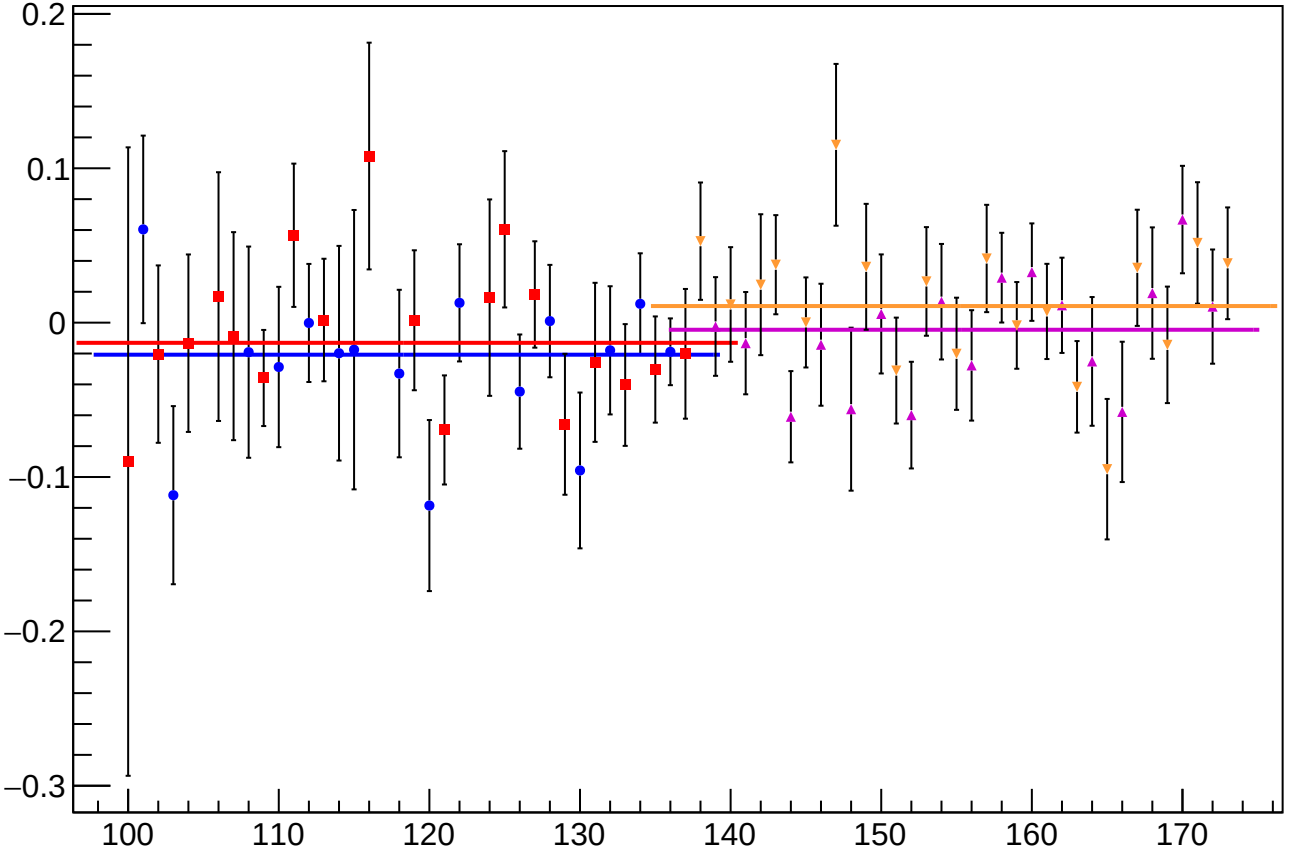
Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.834+/-0.005 χ^2/NDF:1878926.8/32

Out: 29.929+/-0.005 χ^2/NDF:1414968.1/37

All: 29.883+/-0.003 χ^2/NDF: 3294106.9/70

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+/-0.008 χ^2/NDF:21.0/18

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.005+/-0.009 χ^2/NDF:17.3/16

Left: 0.003+/-0.006 χ^2/NDF: 39.9/35

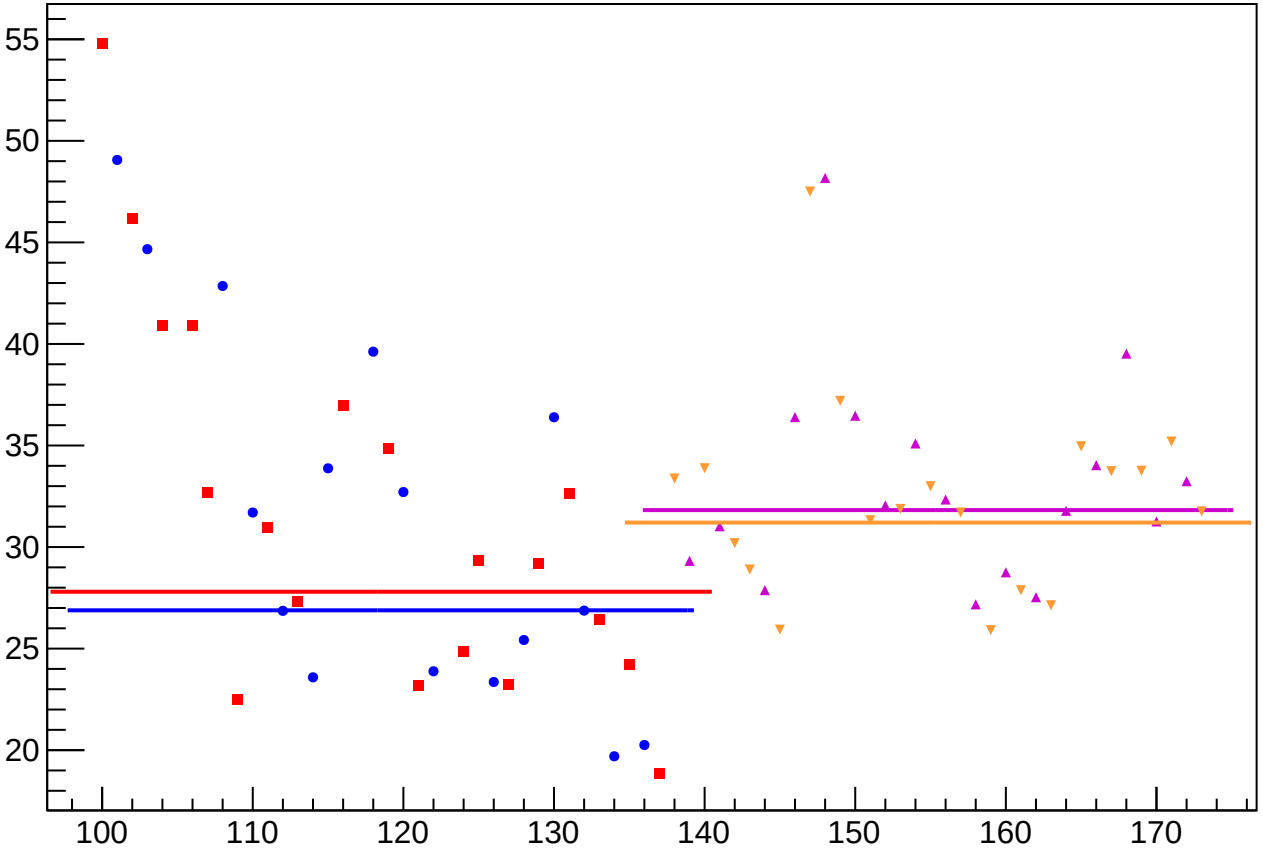
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.011+/-0.007 χ^2/NDF:31.3/32

Out: 0.002+/-0.006 χ^2/NDF:38.1/37

All: -0.004+/-0.005 χ^2/NDF: 71.3/70

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.205+/-0.006 χ^2/NDF:521300.1/18

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.819+/-0.006 χ^2/NDF:494871.7/16

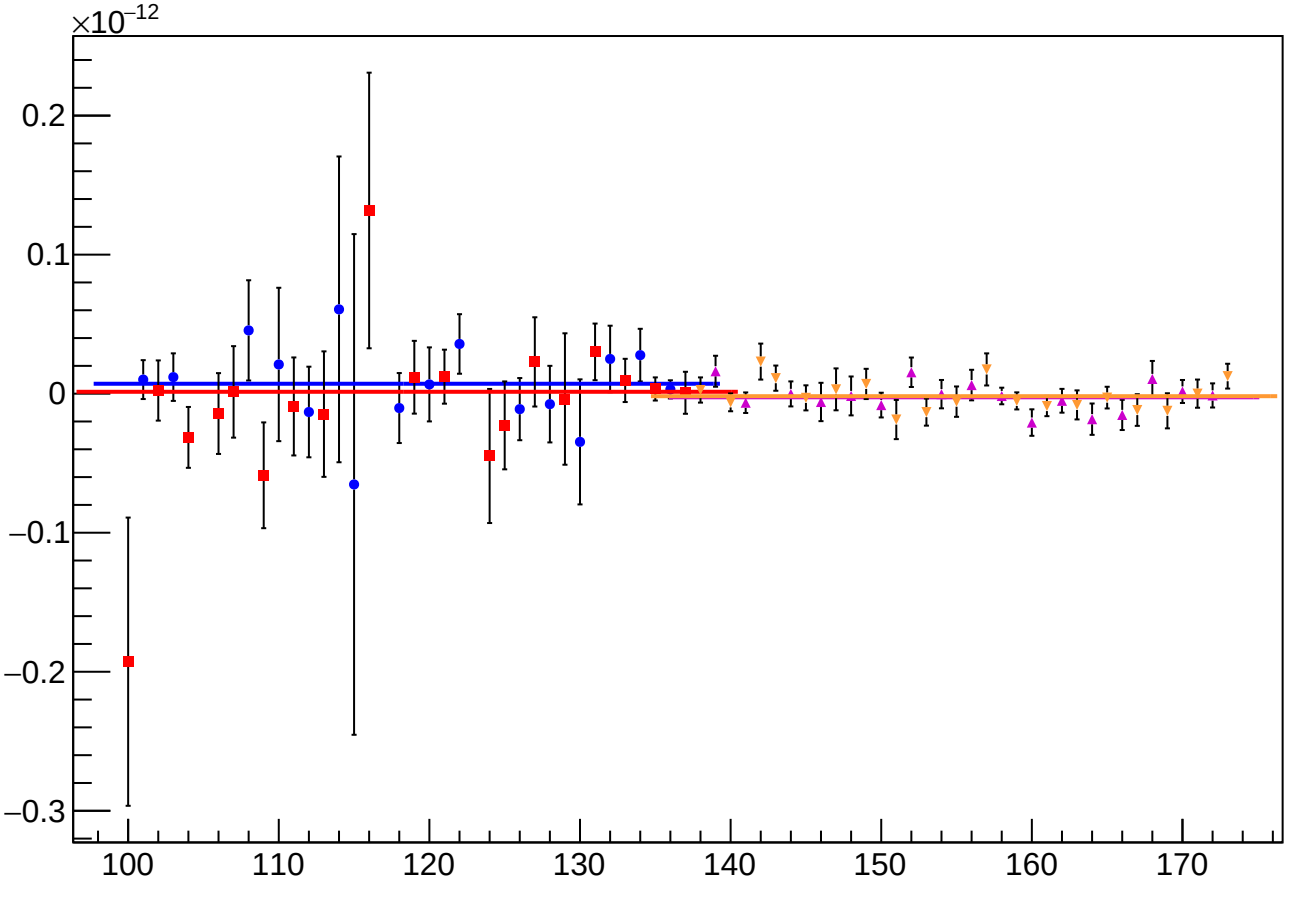
Left: 31.496+/-0.004 χ^2/NDF: 1021518.9/35

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.834+/-0.005 χ^2/NDF:1878926.8/32

Out: 29.929+/-0.005 χ^2/NDF:1414968.1/37

All: 29.883+/-0.003 χ^2/NDF: 3294106.9/70



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.6/16

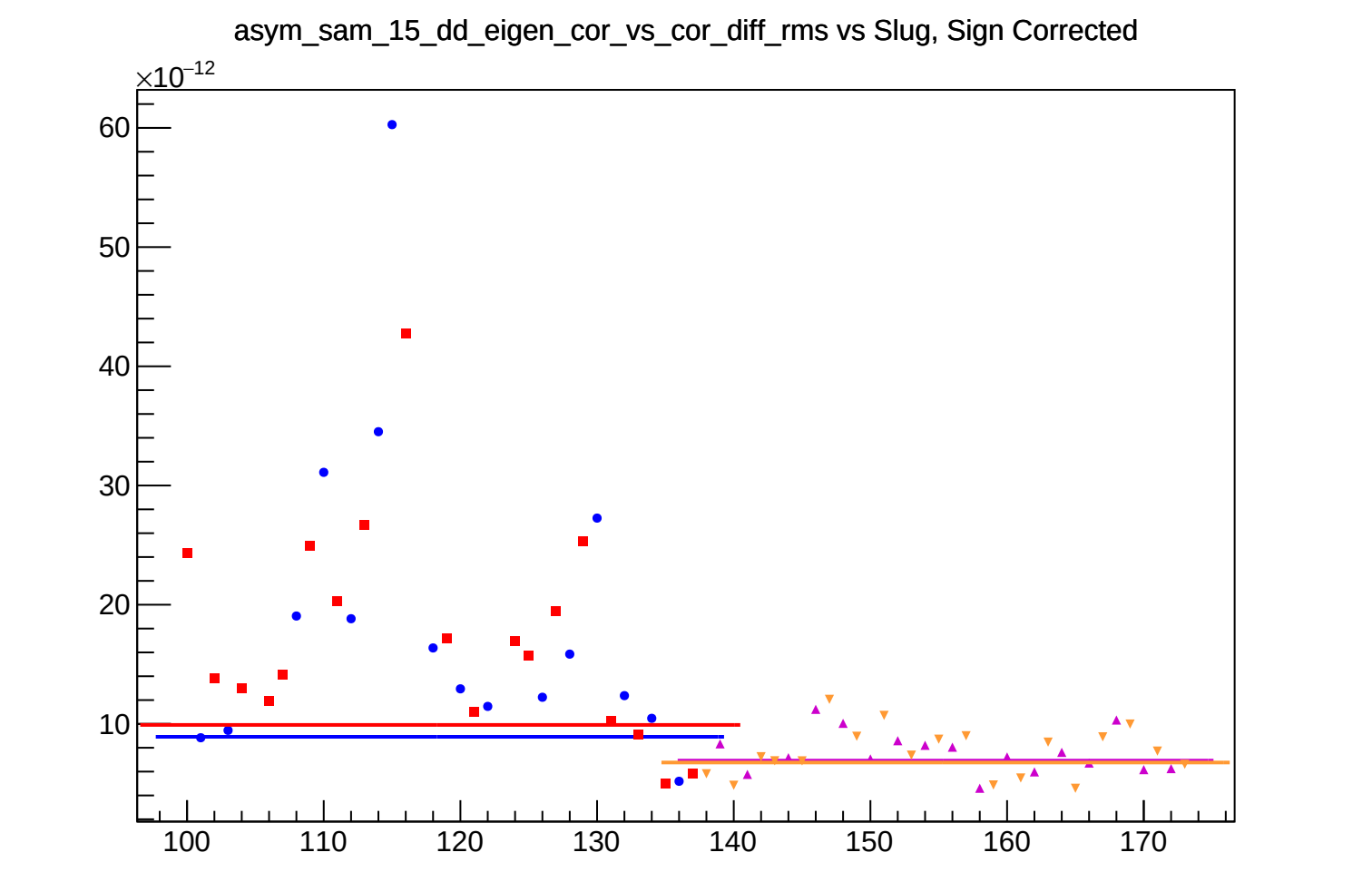
Left: -0.000+/-0.000 χ^2/NDF: 34.3/35

Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: -0.000+/-0.000 χ^2/NDF:27.5/32

Out: -0.000+/-0.000 χ^2/NDF:34.3/37

All: -0.000+/-0.000 χ^2/NDF: 61.9/70



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1516107.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

Left In: 0.000+/-0.000 χ^2/NDF:983640.0/16

Left: 0.000+/-0.000 χ^2/NDF: 2504774.6/35

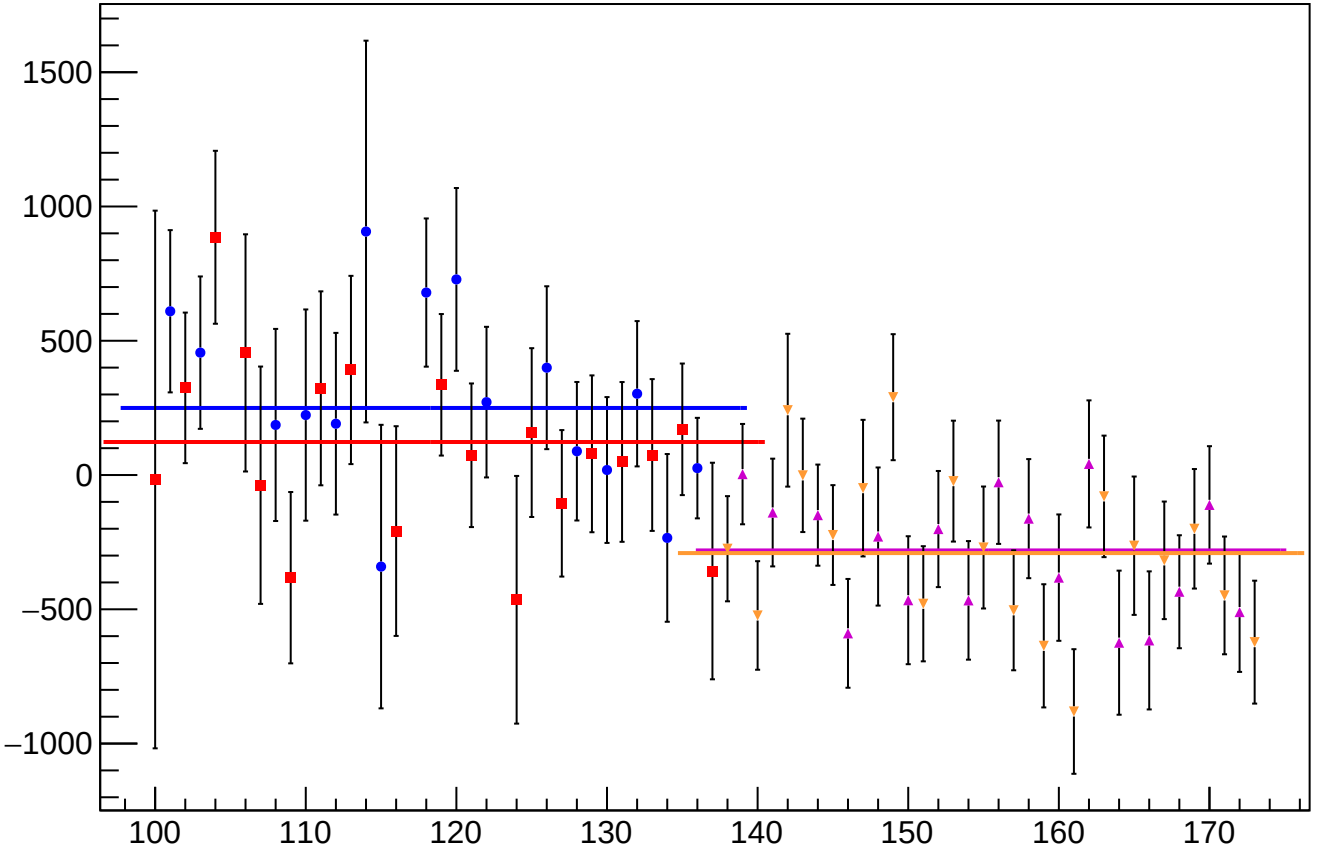
Right: 0.000+/-0.000 χ^2/NDF: 5116378.6/34

In: 0.000+/-0.000 χ^2/NDF:3691820.9/32

Out: 0.000+/-0.000 χ^2/NDF:4870030.0/37

All: 0.000+/-0.000 χ^2/NDF: 8562718.7/70

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -290.659+/-51.168 χ^2/NDF:29.4/18

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -280.817+/-53.560 χ^2/NDF:16.2/16

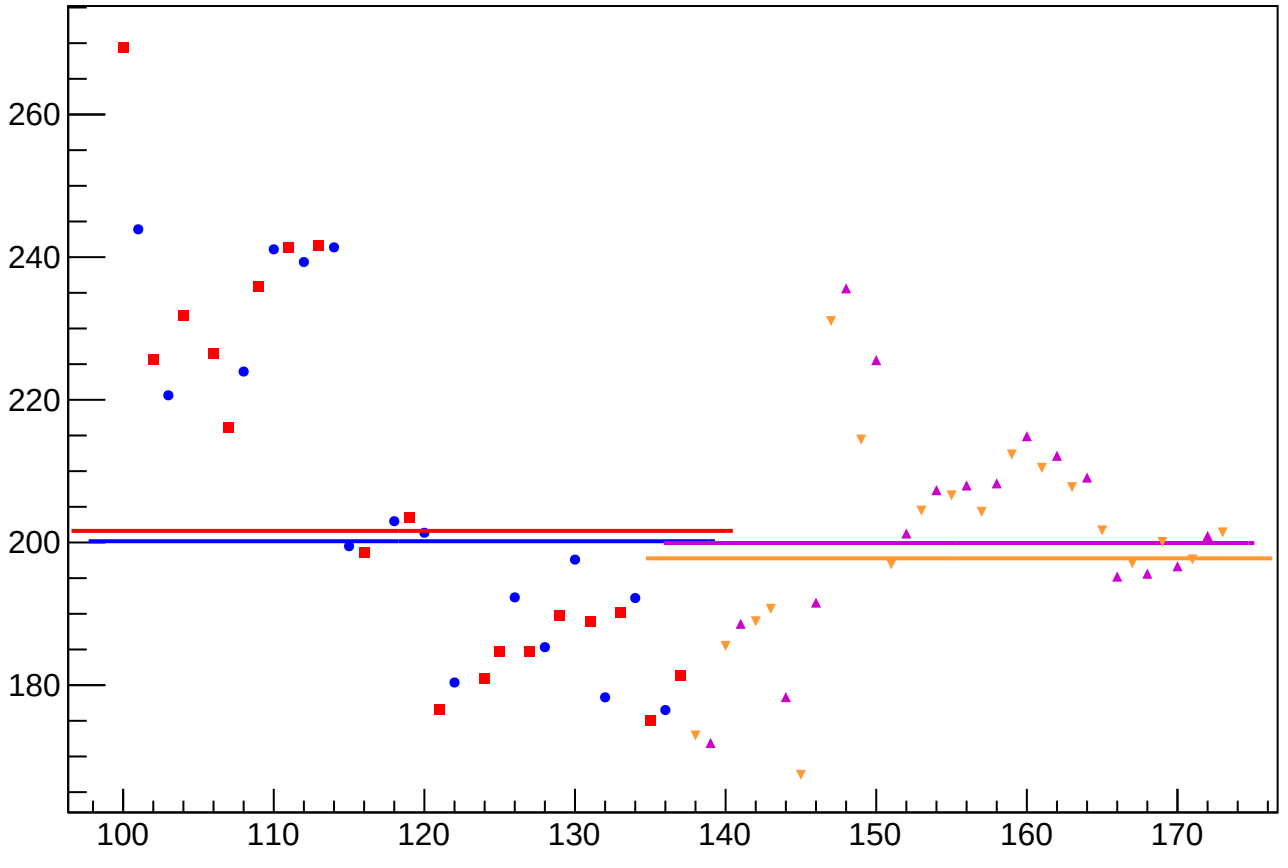
Left: -285.962+/-36.998 χ^2/NDF: 45.6/35

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -101.231+/-43.562 χ^2/NDF:63.2/32

Out: -157.760+/-42.154 χ^2/NDF:65.9/37

All: -130.424+/-30.293 χ^2/NDF: 130.0/70



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 197.777+/-0.036 χ^2/NDF:166961.8/18

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 199.923+/-0.038 χ^2/NDF:168208.7/16

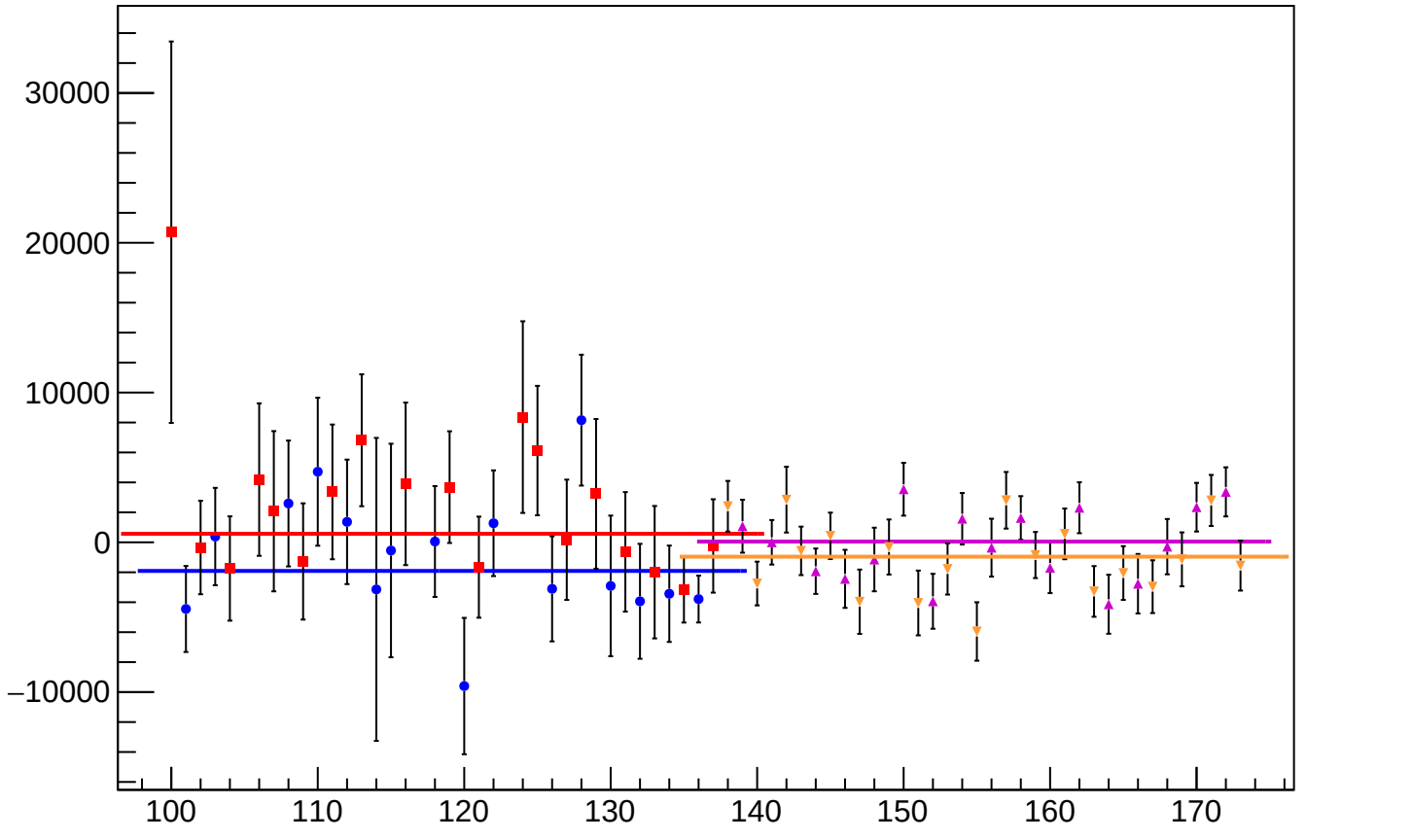
Left: 198.801+/-0.026 χ^2/NDF: 336848.7/35

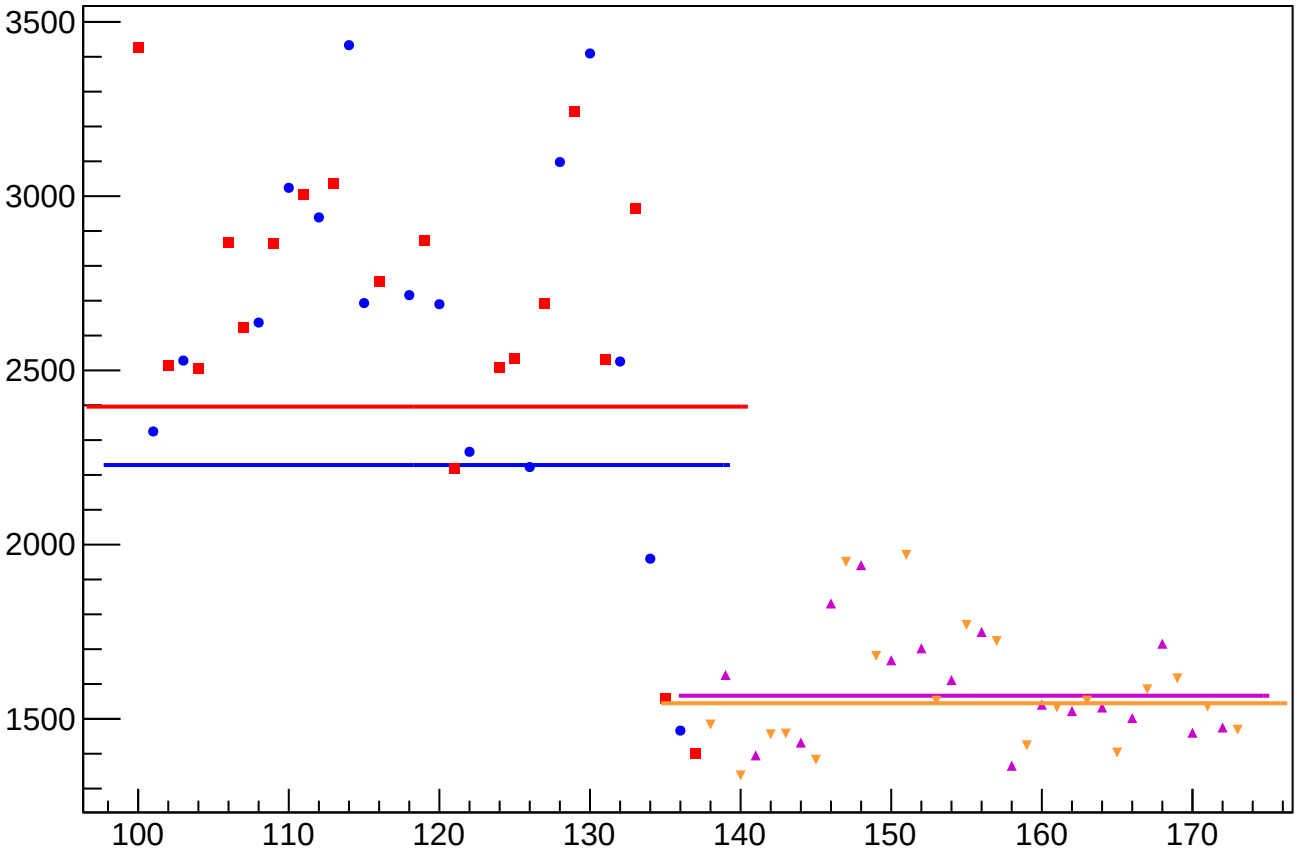
Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 200.009+/-0.031 χ^2/NDF:349225.3/32

Out: 199.014+/-0.030 χ^2/NDF:367845.6/37

All: 199.495+/-0.021 χ^2/NDF: 717609.4/70


asym_sam_26_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: -1910.348+/-859.088 χ²/NDF: 16.3/15
Left Out: -958.781+/-401.666 χ²/NDF:33.6/18
Right Out: 570.946+/-900.451 χ²/NDF: 14.6/18
Left In: 47.533+/-420.904 χ²/NDF:30.2/16
Left: -479.146+/-290.584 χ²/NDF: 66.7/35
Right: -728.000+/-621.575 χ²/NDF: 34.9/34
In: -331.467+/-377.976 χ²/NDF:50.6/32
Out: -704.911+/-366.825 χ²/NDF:50.6/37
All: -523.779+/-263.239 χ²/NDF: 101.7/70



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1544.889+/-0.284 χ^2/NDF:311290.4/18

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1566.426+/-0.298 χ^2/NDF:251564.4/16

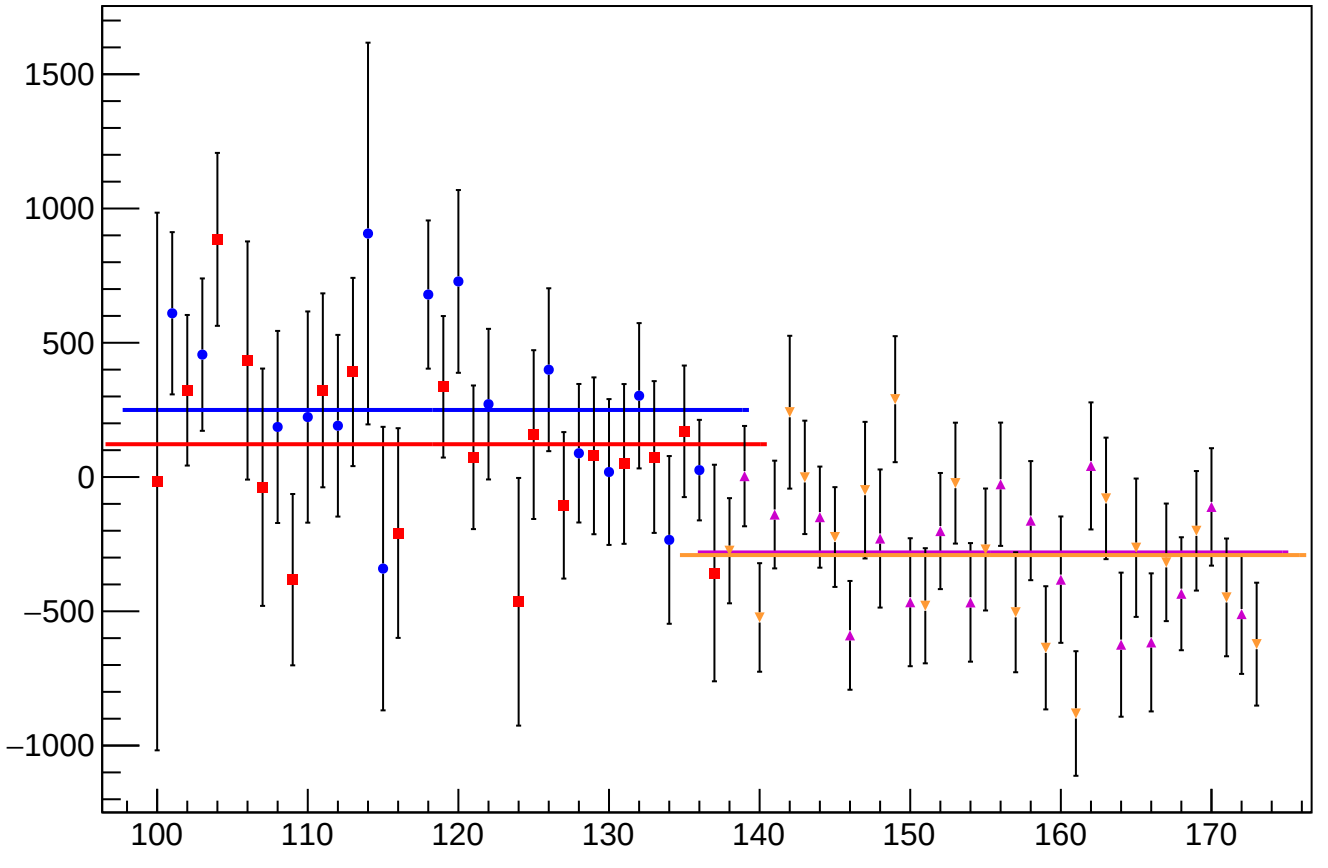
Left: 1555.154+/-0.205 χ^2/NDF: 565595.3/35

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1694.575+/-0.267 χ^2/NDF:2156943.6/32

Out: 1686.151+/-0.259 χ^2/NDF:2601297.0/37

All: 1690.237+/-0.186 χ^2/NDF: 4758752.2/70



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -290.655+/-51.168 χ^2/NDF:29.4/18

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -280.820+/-53.560 χ^2/NDF:16.2/16

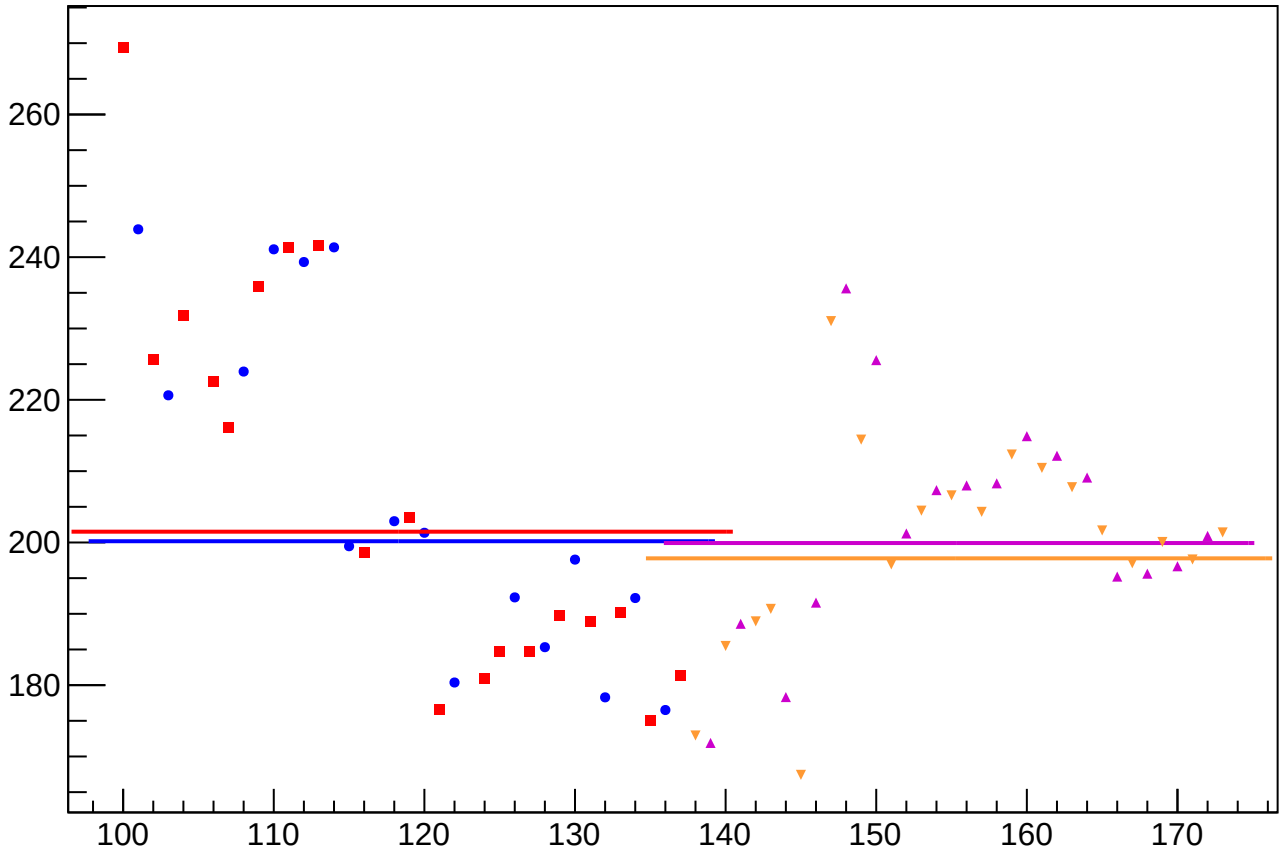
Left: -285.962+/-36.998 χ^2/NDF: 45.6/35

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -101.232+/-43.562 χ^2/NDF:63.2/32

Out: -158.034+/-42.156 χ^2/NDF:65.8/37

All: -130.565+/-30.294 χ^2/NDF: 129.8/70



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.777+/-0.036 χ^2/NDF:166961.8/18

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 199.923+/-0.038 χ^2/NDF:168208.7/16

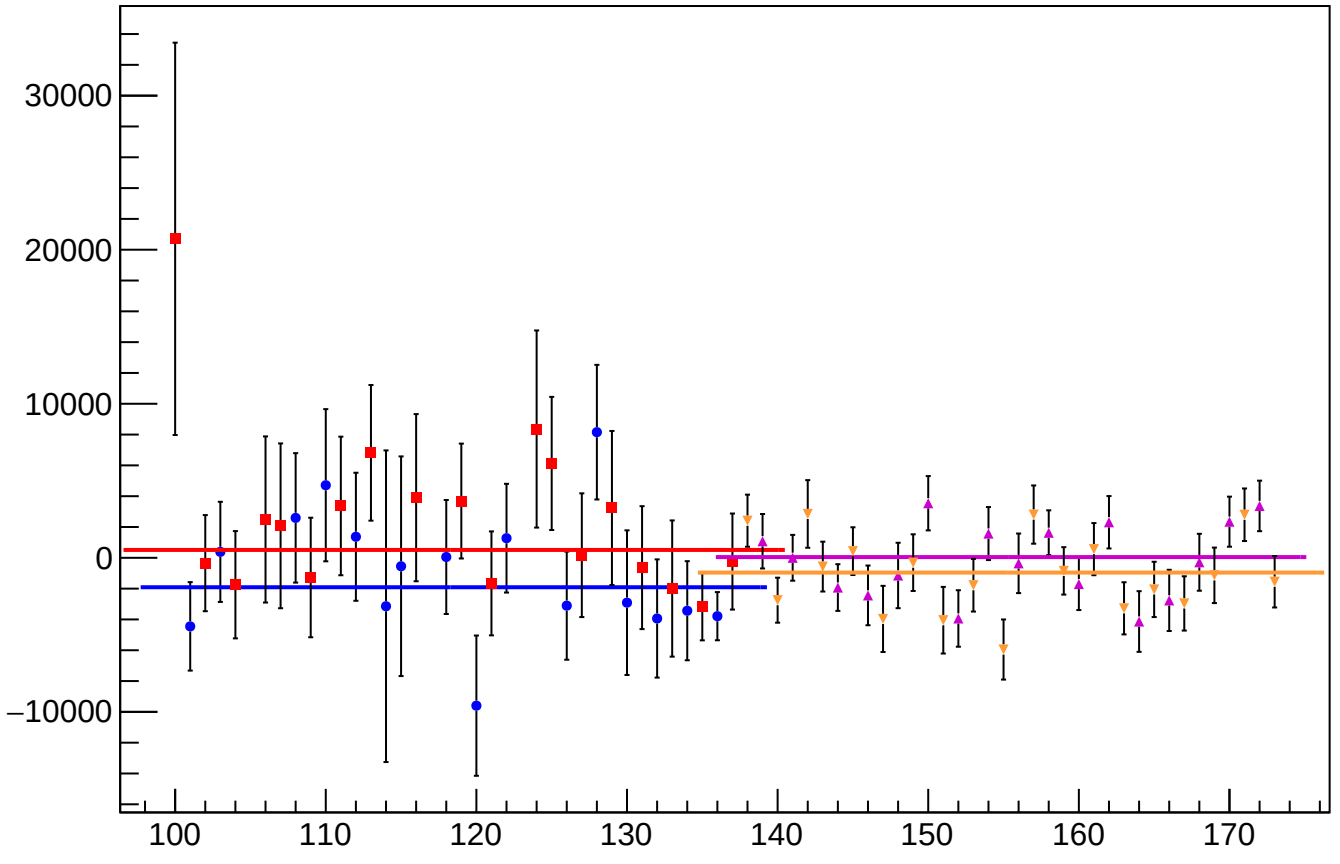
Left: 198.801+/-0.026 χ^2/NDF: 336848.7/35

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.009+/-0.031 χ^2/NDF:349225.6/32

Out: 198.977+/-0.030 χ^2/NDF:365820.4/37

All: 199.476+/-0.021 χ^2/NDF: 715624.8/70



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -958.781+/-401.666 χ^2/NDF:33.6/18

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 47.537+/-420.904 χ^2/NDF:30.2/16

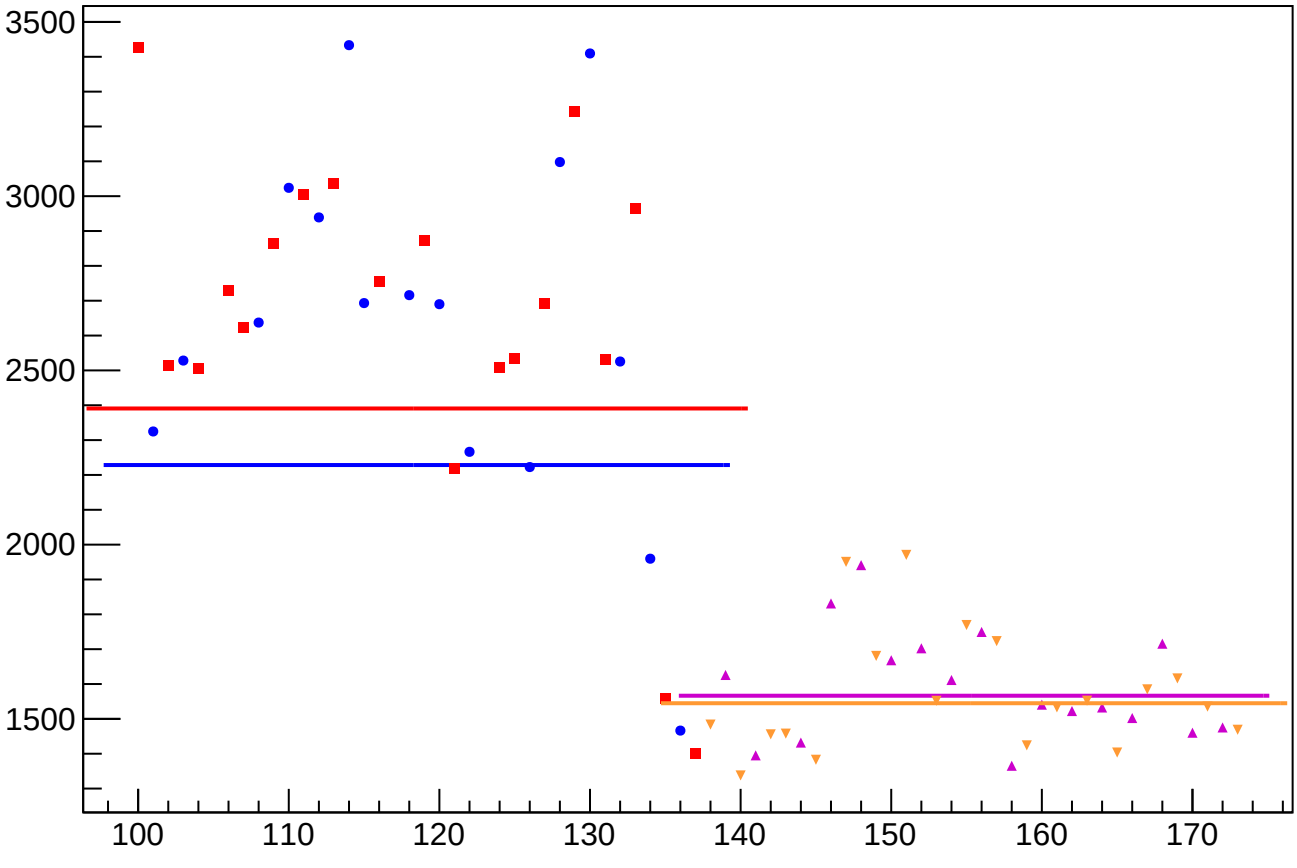
Left: -479.144+/-290.584 χ^2/NDF: 66.7/35

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -331.456+/-377.976 χ^2/NDF:50.6/32

Out: -715.518+/-366.931 χ^2/NDF:50.0/37

All: -529.181+/-263.278 χ^2/NDF: 101.2/70



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1544.890+/-0.284 χ^2/NDF:311290.4/18

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1566.427+/-0.298 χ^2/NDF:251565.2/16

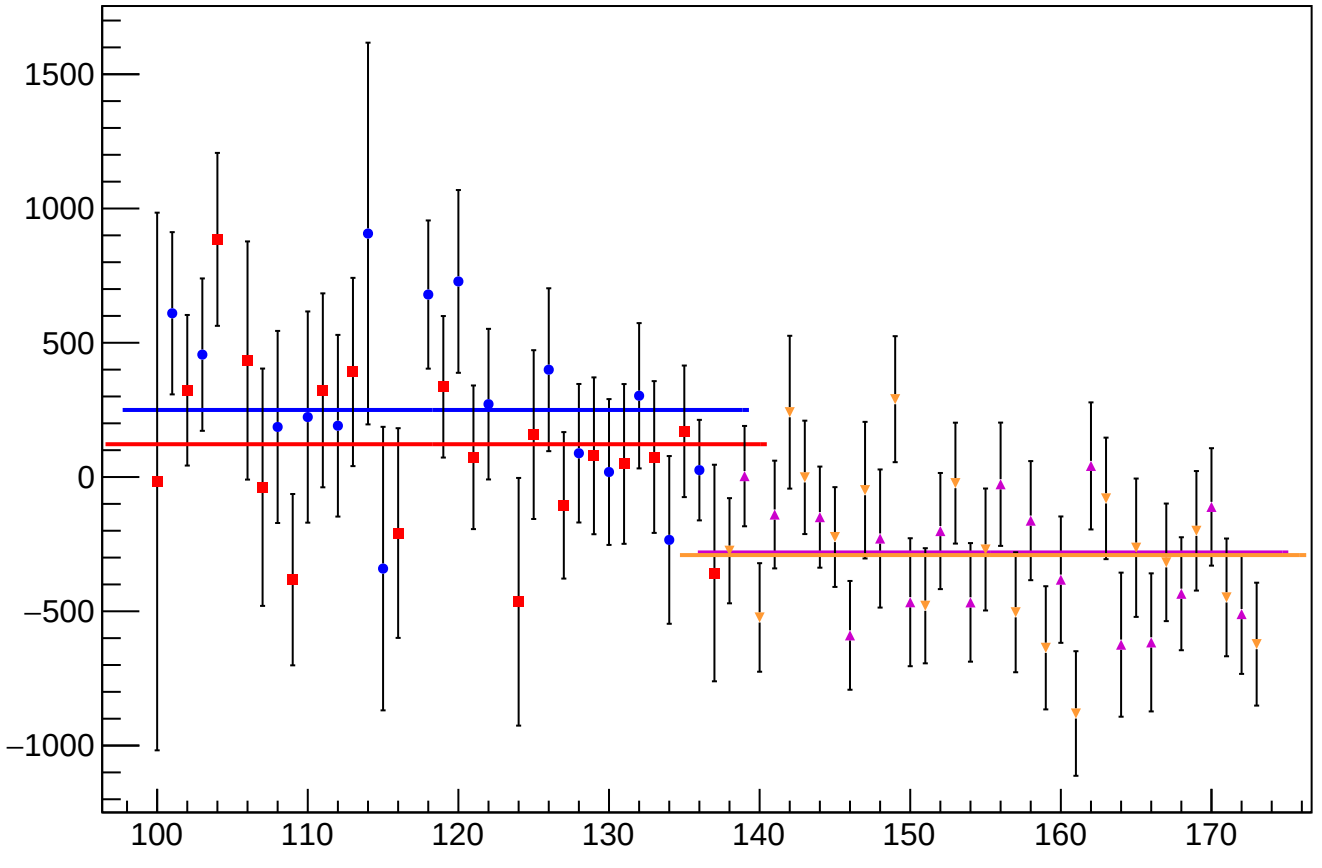
Left: 1555.155+/-0.205 χ^2/NDF: 565596.3/35

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1694.576+/-0.267 χ^2/NDF:2156954.8/32

Out: 1684.858+/-0.259 χ^2/NDF:2568930.6/37

All: 1689.573+/-0.186 χ^2/NDF: 4726565.9/70



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -290.655+/-51.168 χ^2/NDF:29.4/18

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -280.820+/-53.560 χ^2/NDF:16.2/16

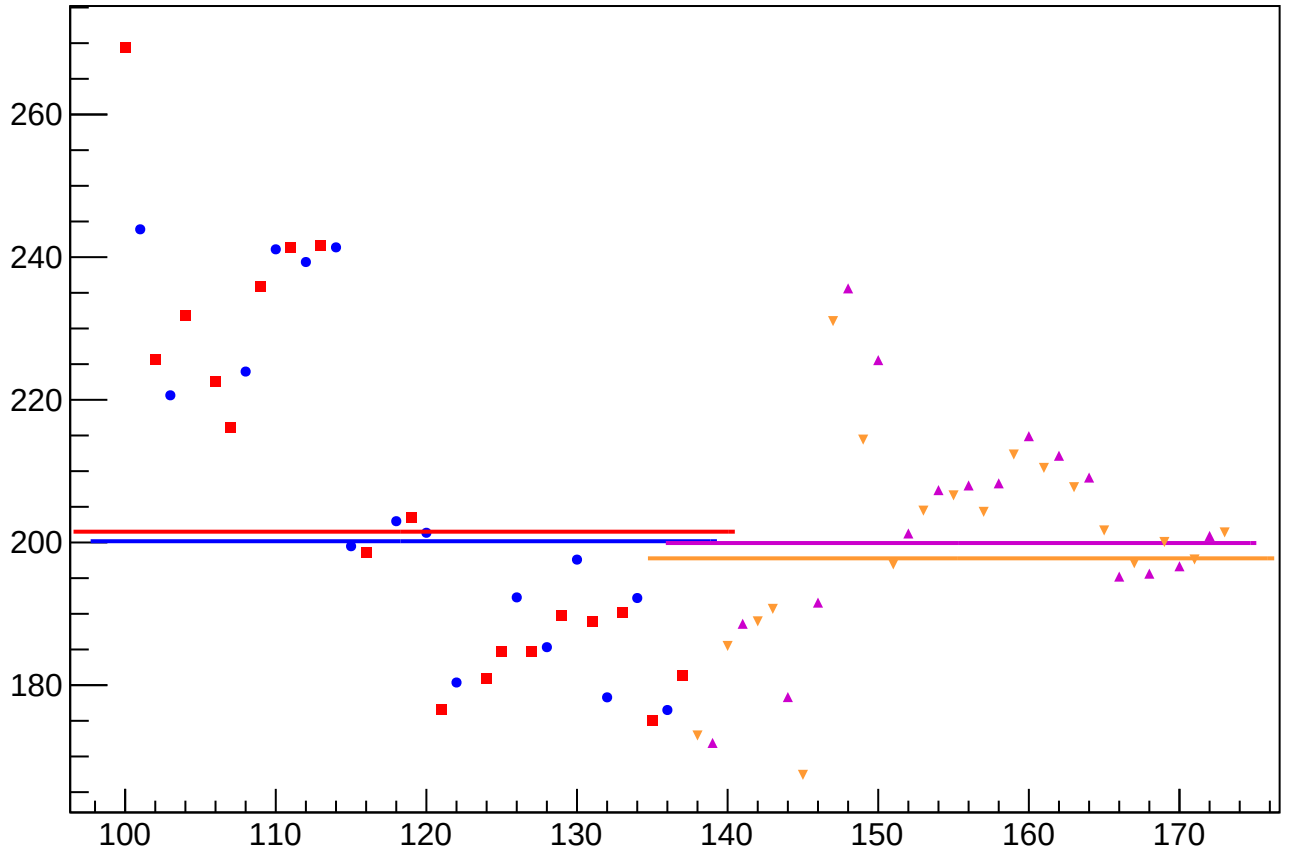
Left: -285.962+/-36.998 χ^2/NDF: 45.6/35

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -101.232+/-43.562 χ^2/NDF:63.2/32

Out: -158.034+/-42.156 χ^2/NDF:65.8/37

All: -130.565+/-30.294 χ^2/NDF: 129.8/70



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.777+/-0.036 χ^2/NDF:166961.8/18

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 199.923+/-0.038 χ^2/NDF:168208.7/16

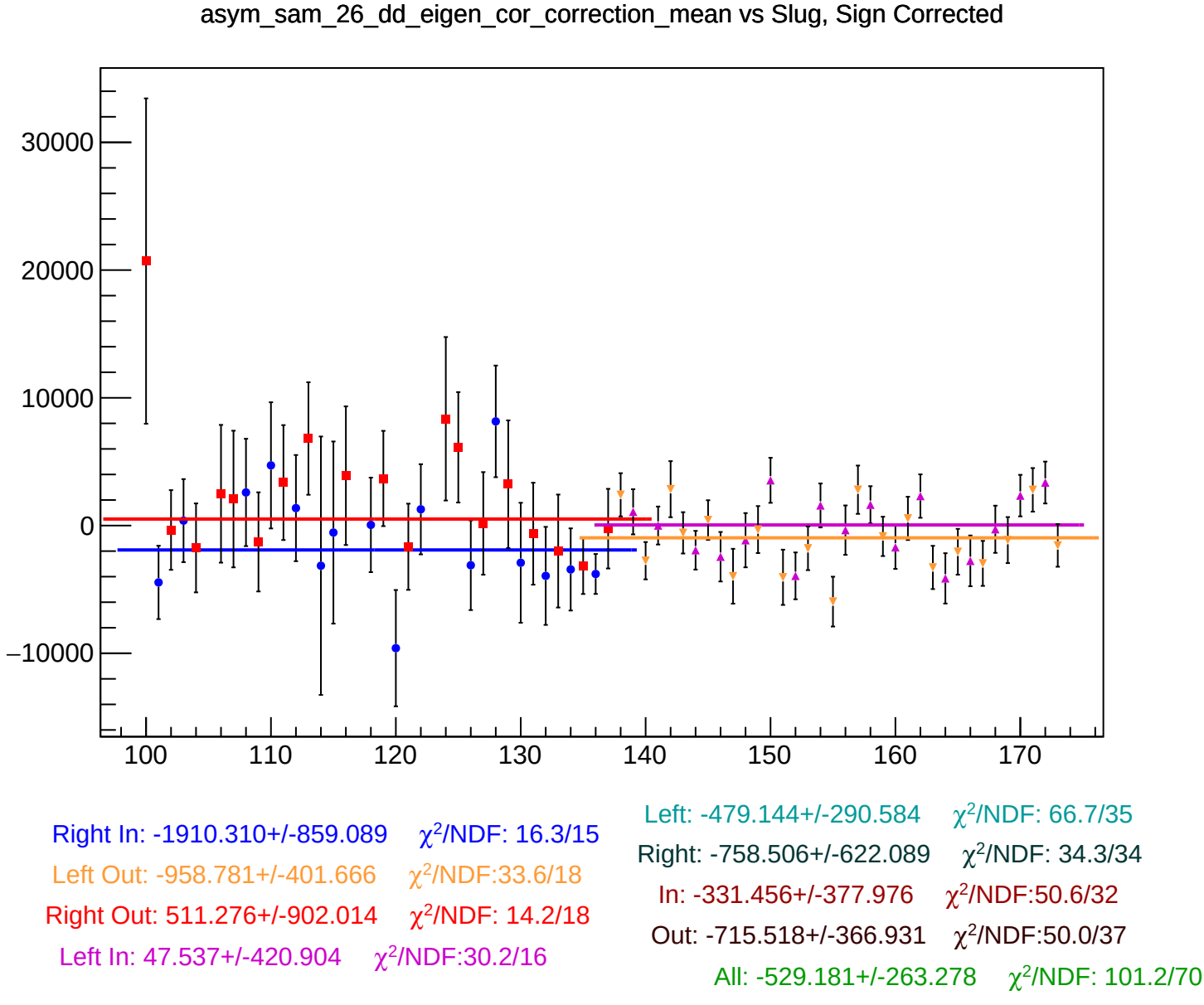
Left: 198.801+/-0.026 χ^2/NDF: 336848.7/35

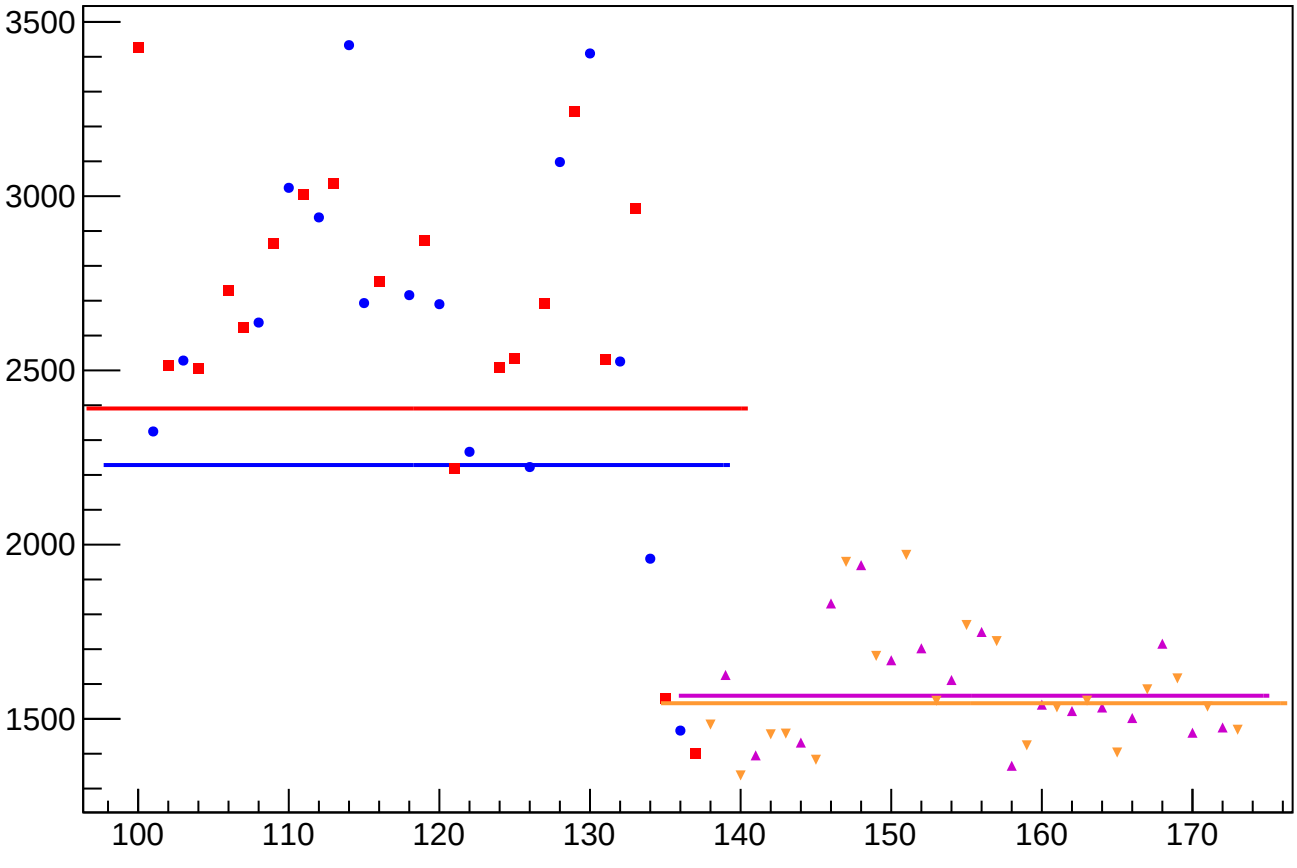
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.009+/-0.031 χ^2/NDF:349225.6/32

Out: 198.977+/-0.030 χ^2/NDF:365820.4/37

All: 199.476+/-0.021 χ^2/NDF: 715624.8/70


asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: -1910.310+/-859.089 χ²/NDF: 16.3/15
Left Out: -958.781+/-401.666 χ²/NDF:33.6/18
Right Out: 511.276+/-902.014 χ²/NDF: 14.2/18
Left In: 47.537+/-420.904 χ²/NDF:30.2/16
Left: -479.144+/-290.584 χ²/NDF: 66.7/35
Right: -758.506+/-622.089 χ²/NDF: 34.3/34
In: -331.456+/-377.976 χ²/NDF:50.6/32
Out: -715.518+/-366.931 χ²/NDF:50.0/37
All: -529.181+/-263.278 χ²/NDF: 101.2/70



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1544.890+/-0.284 χ^2/NDF:311290.4/18

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1566.427+/-0.298 χ^2/NDF:251565.2/16

Left: 1555.155+/-0.205 χ^2/NDF: 565596.3/35

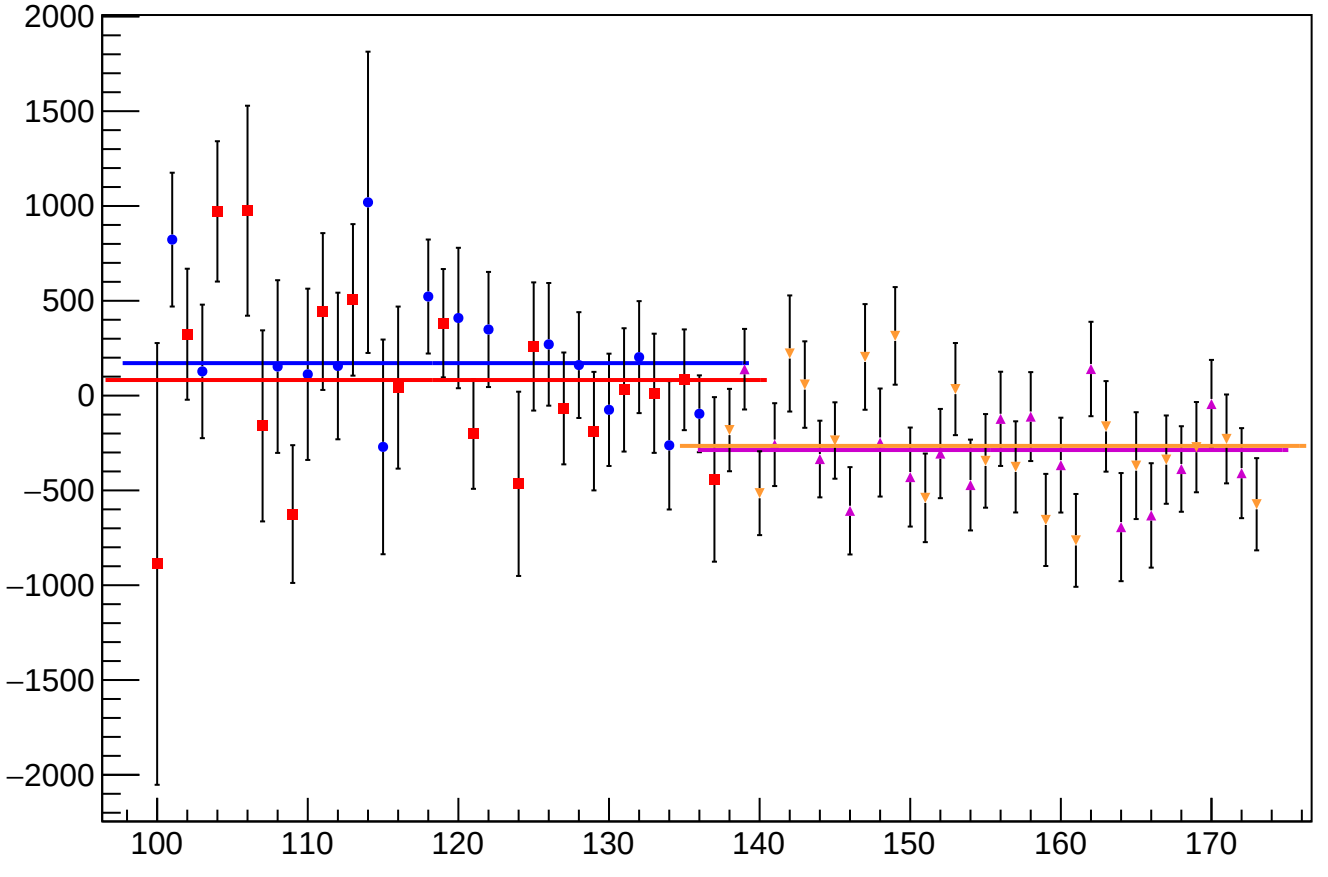
Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1694.576+/-0.267 χ^2/NDF:2156954.8/32

Out: 1684.858+/-0.259 χ^2/NDF:2568930.6/37

All: 1689.573+/-0.186 χ^2/NDF: 4726565.9/70

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -265.270+/-55.207 χ^2/NDF:25.9/18

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -287.111+/-58.050 χ^2/NDF:16.2/16

Left: -275.643+/-40.005 χ^2/NDF: 42.1/35

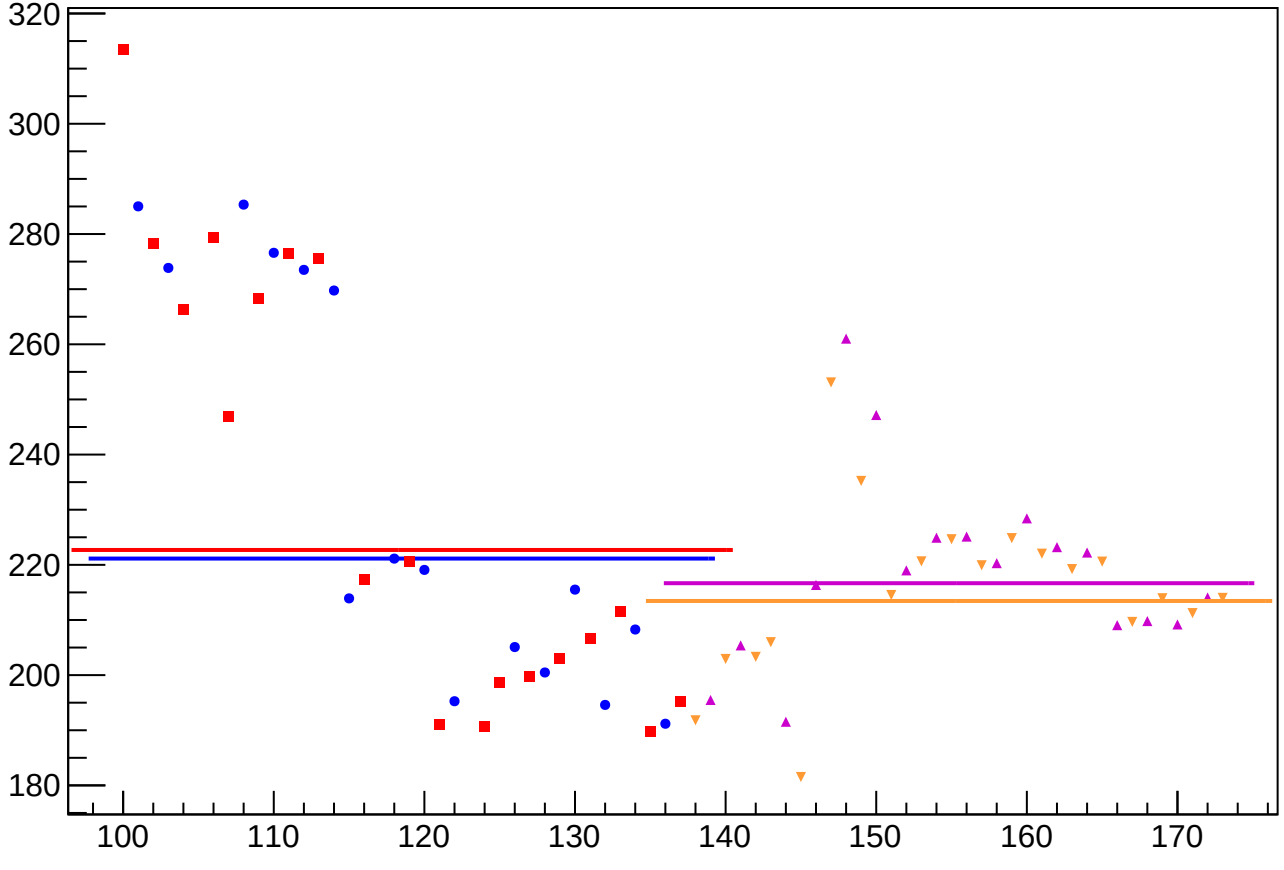
Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -136.827+/-47.592 χ^2/NDF:48.1/32

Out: -157.894+/-45.890 χ^2/NDF:59.7/37

All: -147.744+/-33.034 χ^2/NDF: 107.9/70

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 213.448+/-0.039 χ^2/NDF:151130.5/18

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 216.670+/-0.041 χ^2/NDF:149490.6/16

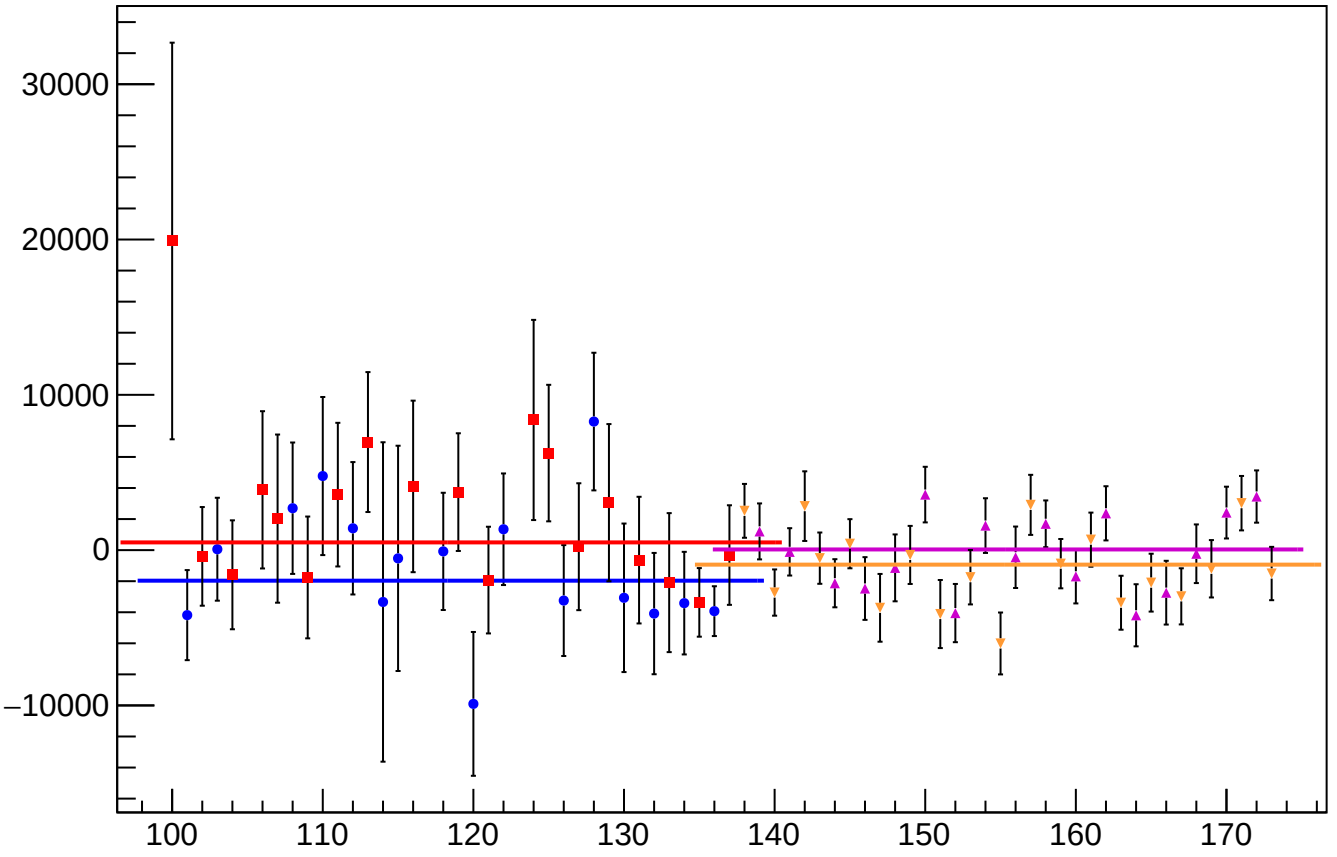
Left: 214.978+/-0.028 χ^2/NDF: 303857.6/35

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 218.135+/-0.034 χ^2/NDF:472078.5/32

Out: 216.306+/-0.032 χ^2/NDF:495514.2/37

All: 217.188+/-0.023 χ^2/NDF: 969123.5/70



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -934.051+/-411.425 χ^2/NDF:33.3/18

Right Out: 497.281+/-914.759 χ^2/NDF: 14.8/18

Left In: 43.614+/-431.538 χ^2/NDF:30.2/16

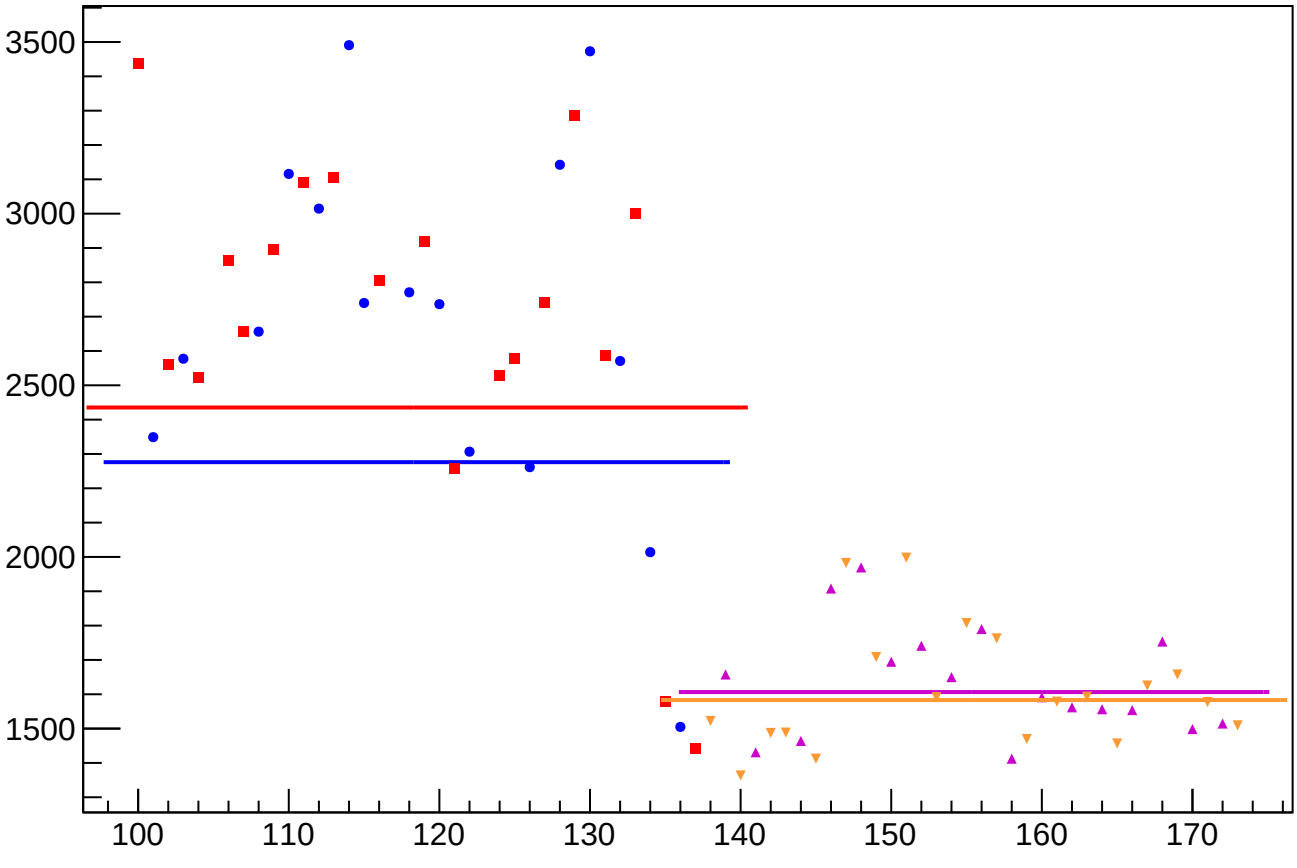
Left: -468.532+/-297.778 χ^2/NDF: 66.2/35

Right: -787.531+/-632.914 χ^2/NDF: 34.7/34

In: -348.672+/-387.167 χ^2/NDF:50.6/32

Out: -693.227+/-375.221 χ^2/NDF:50.1/37

All: -526.347+/-269.446 χ^2/NDF: 101.1/70



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1583.171+/-0.291 χ^2/NDF:297397.0/18

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1606.450+/-0.305 χ^2/NDF:243827.4/16

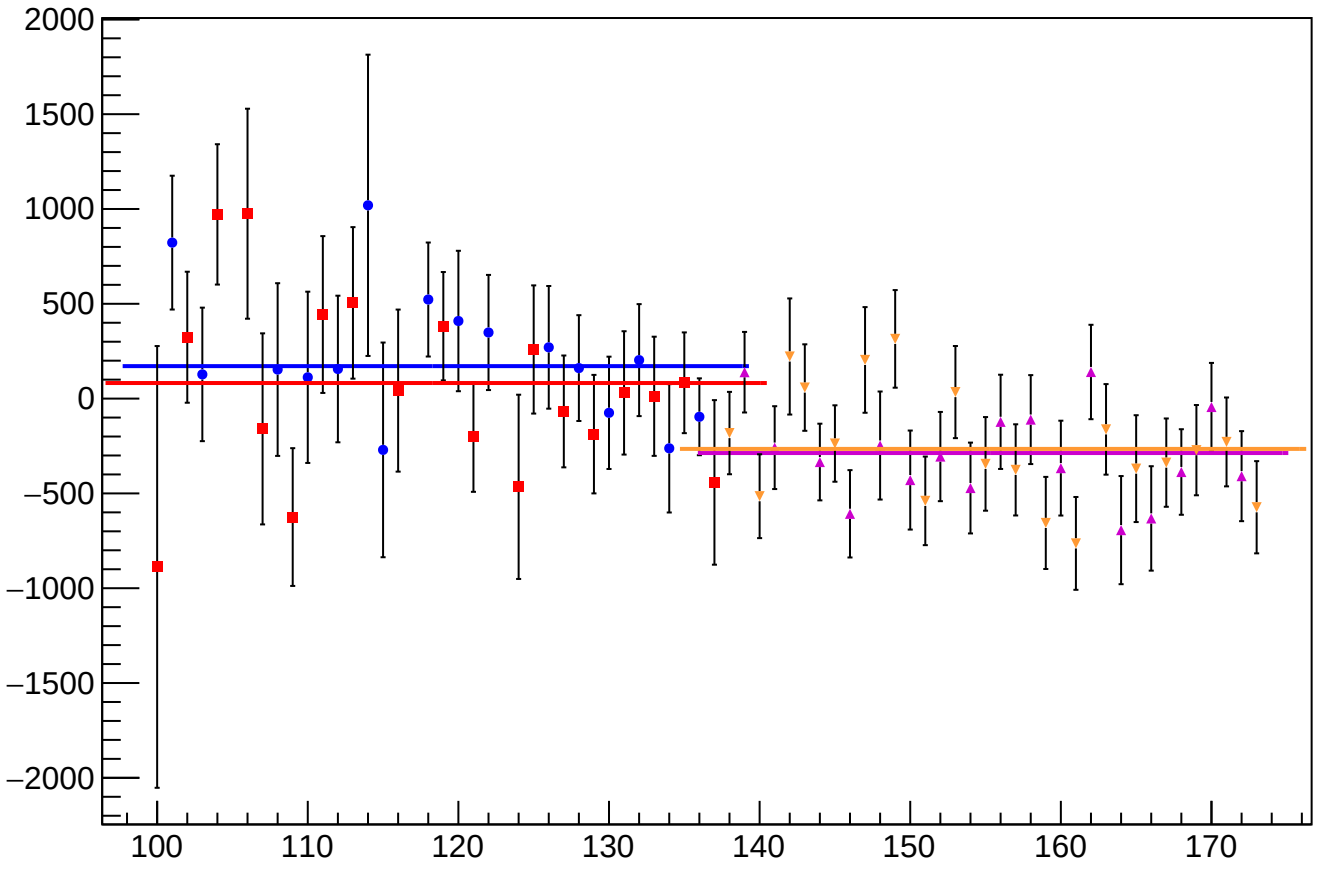
Left: 1594.255+/-0.211 χ^2/NDF: 544273.1/35

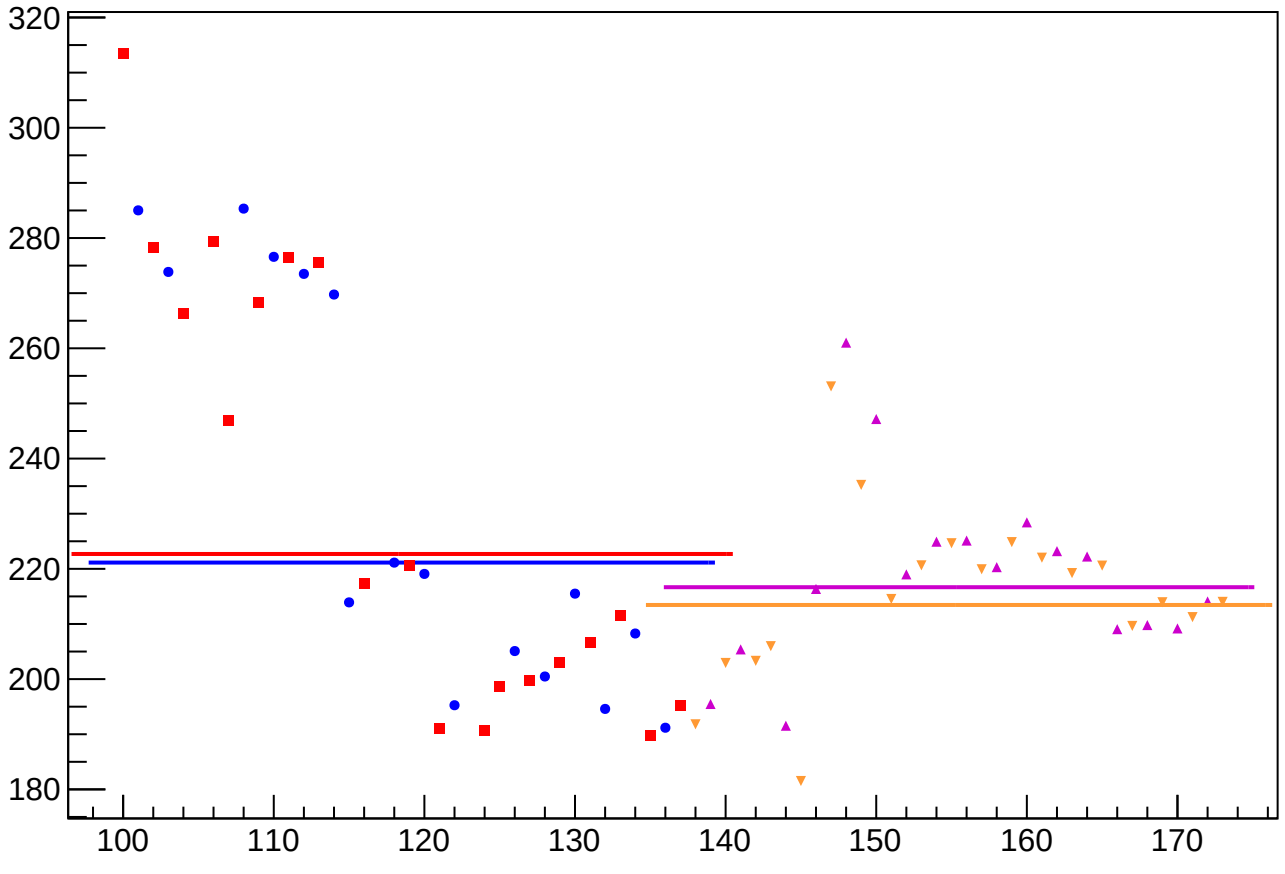
Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1737.084+/-0.274 χ^2/NDF:2110353.9/32

Out: 1726.553+/-0.265 χ^2/NDF:2532604.1/37

All: 1731.653+/-0.191 χ^2/NDF: 4643721.0/70


eigen_dit_asym_sam_26_dd_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
110
120
130
140
150
160
170
Right In: 171.260+/-83.115 χ²/NDF: 11.5/15
Left Out: -265.273+/-55.207 χ²/NDF:25.9/18
Right Out: 82.150+/-82.545 χ²/NDF: 21.6/18
Left In: -287.113+/-58.050 χ²/NDF:16.2/16
Left: -275.645+/-40.005 χ²/NDF: 42.1/35
Right: 126.398+/-58.569 χ²/NDF: 33.7/34
In: -136.827+/-47.592 χ²/NDF:48.1/32
Out: -157.896+/-45.890 χ²/NDF:59.7/37
All: -147.745+/-33.034 χ²/NDF: 107.9/70



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 213.448+/-0.039 χ^2/NDF:151134.7/18

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 216.670+/-0.041 χ^2/NDF:149493.2/16

Left: 214.978+/-0.028 χ^2/NDF: 303864.1/35

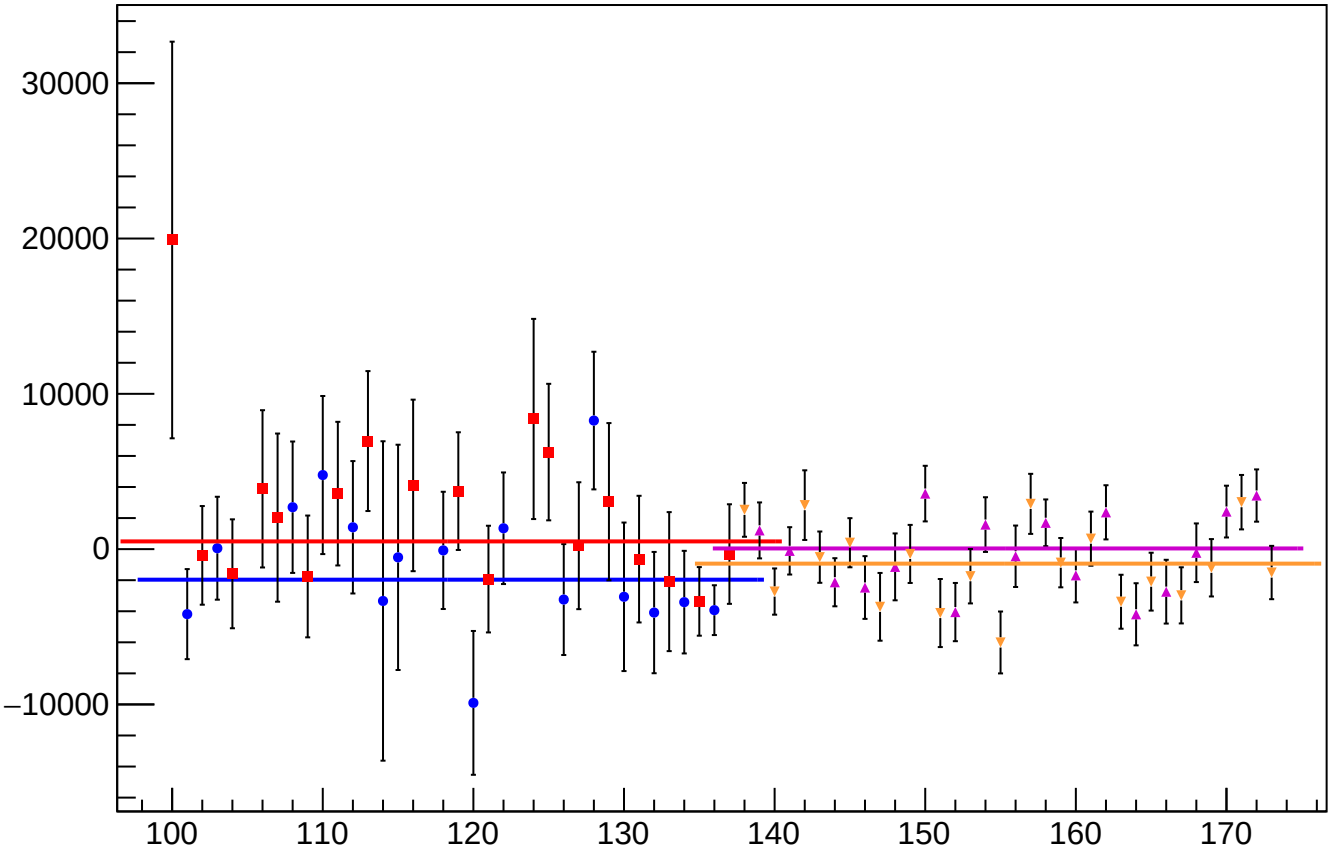
Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 218.135+/-0.034 χ^2/NDF:472074.3/32

Out: 216.306+/-0.032 χ^2/NDF:495508.5/37

All: 217.187+/-0.023 χ^2/NDF: 969113.2/70

asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -934.052+/-411.425 χ^2/NDF:33.3/18

Right Out: 497.282+/-914.757 χ^2/NDF: 14.8/18

Left In: 43.614+/-431.538 χ^2/NDF:30.2/16

Left: -468.532+/-297.778 χ^2/NDF: 66.2/35

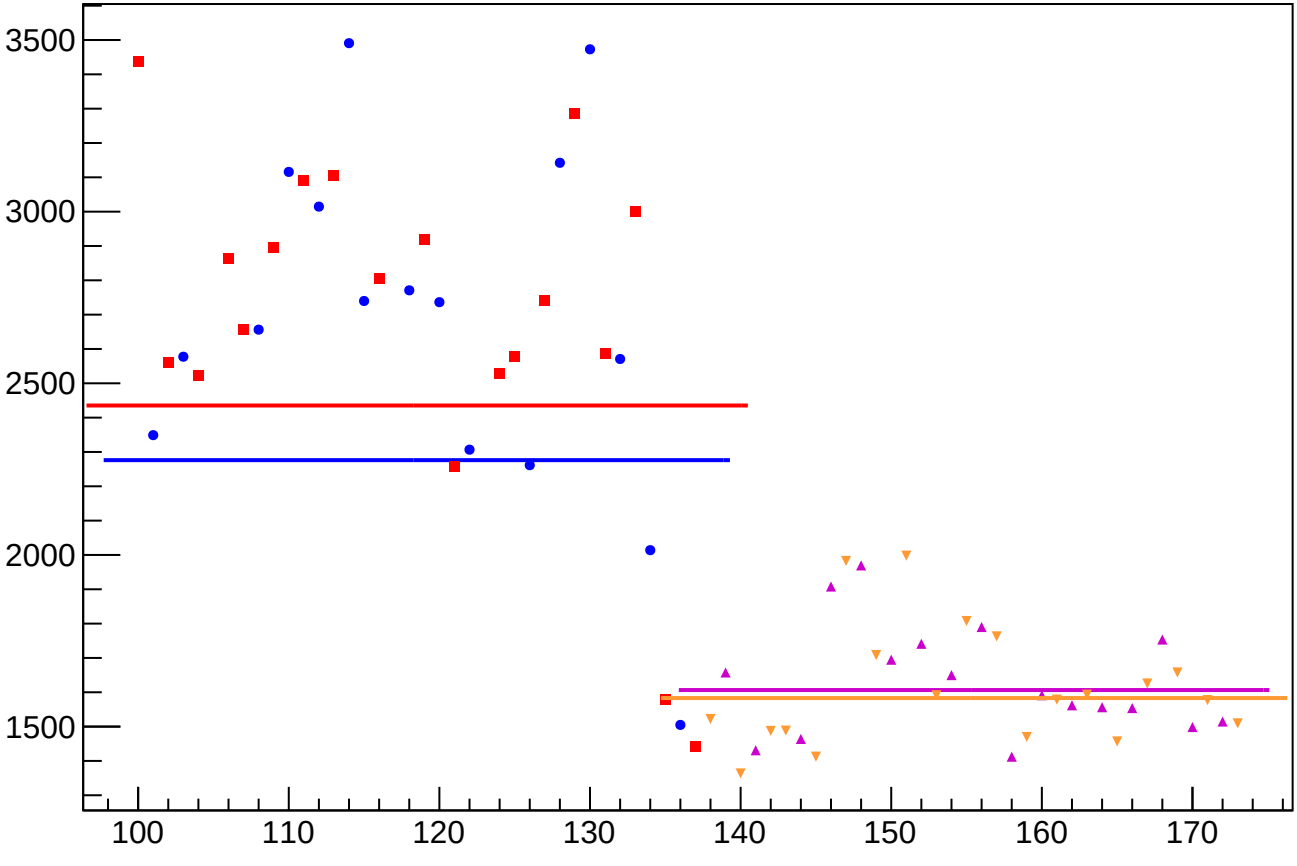
Right: -787.528+/-632.913 χ^2/NDF: 34.7/34

In: -348.672+/-387.167 χ^2/NDF:50.6/32

Out: -693.226+/-375.221 χ^2/NDF:50.1/37

All: -526.347+/-269.446 χ^2/NDF: 101.1/70

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: 1583.171+/-0.291 χ^2/NDF:297399.5/18

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1606.450+/-0.305 χ^2/NDF:243829.1/16

Left: 1594.255+/-0.211 χ^2/NDF: 544277.3/35

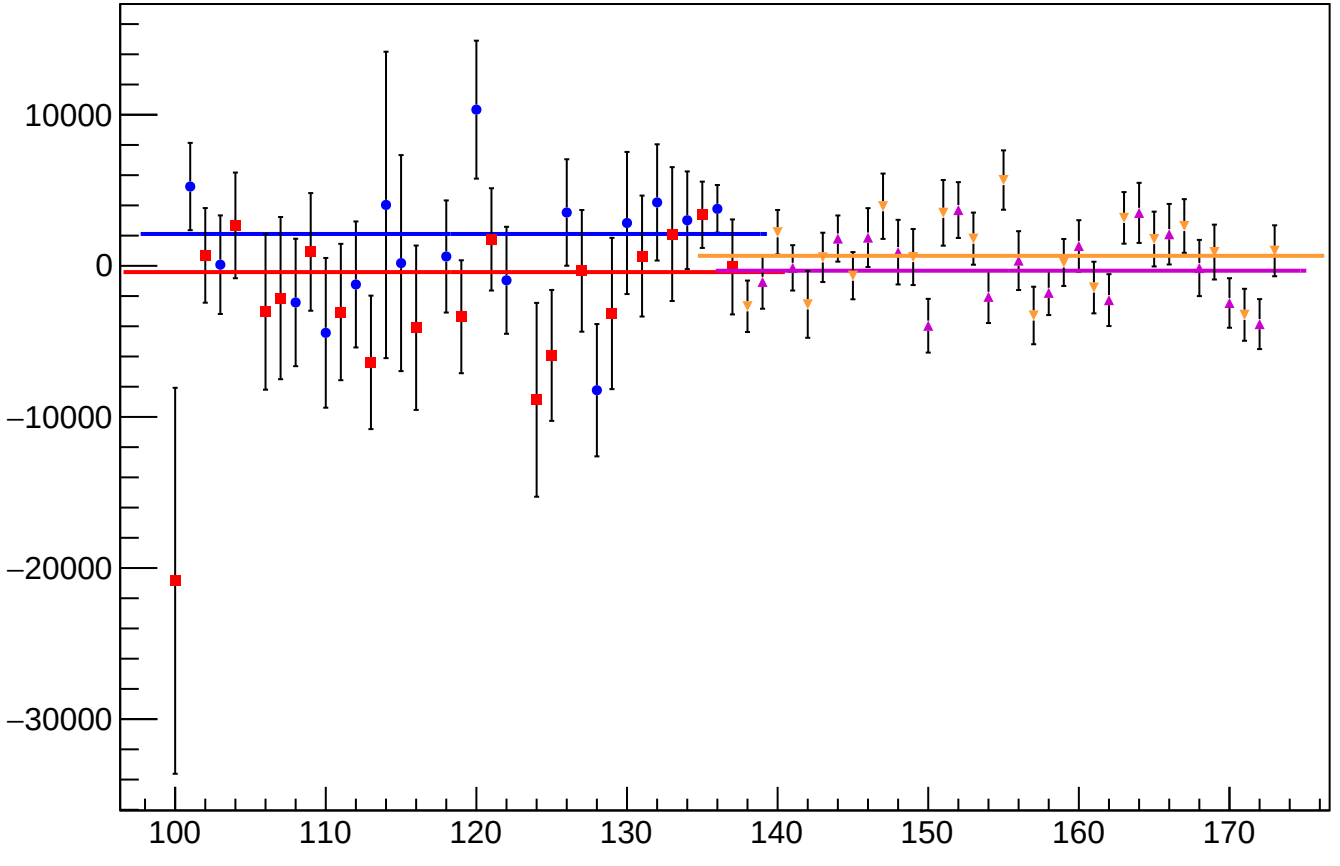
Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1737.083+/-0.274 χ^2/NDF:2110341.3/32

Out: 1726.553+/-0.265 χ^2/NDF:2532592.5/37

All: 1731.653+/-0.191 χ^2/NDF: 4643696.8/70

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 663.249+/-405.073 χ^2/NDF:33.6/18

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: -322.411+/-424.489 χ^2/NDF:28.4/16

Left: 193.476+/-293.053 χ^2/NDF: 64.8/35

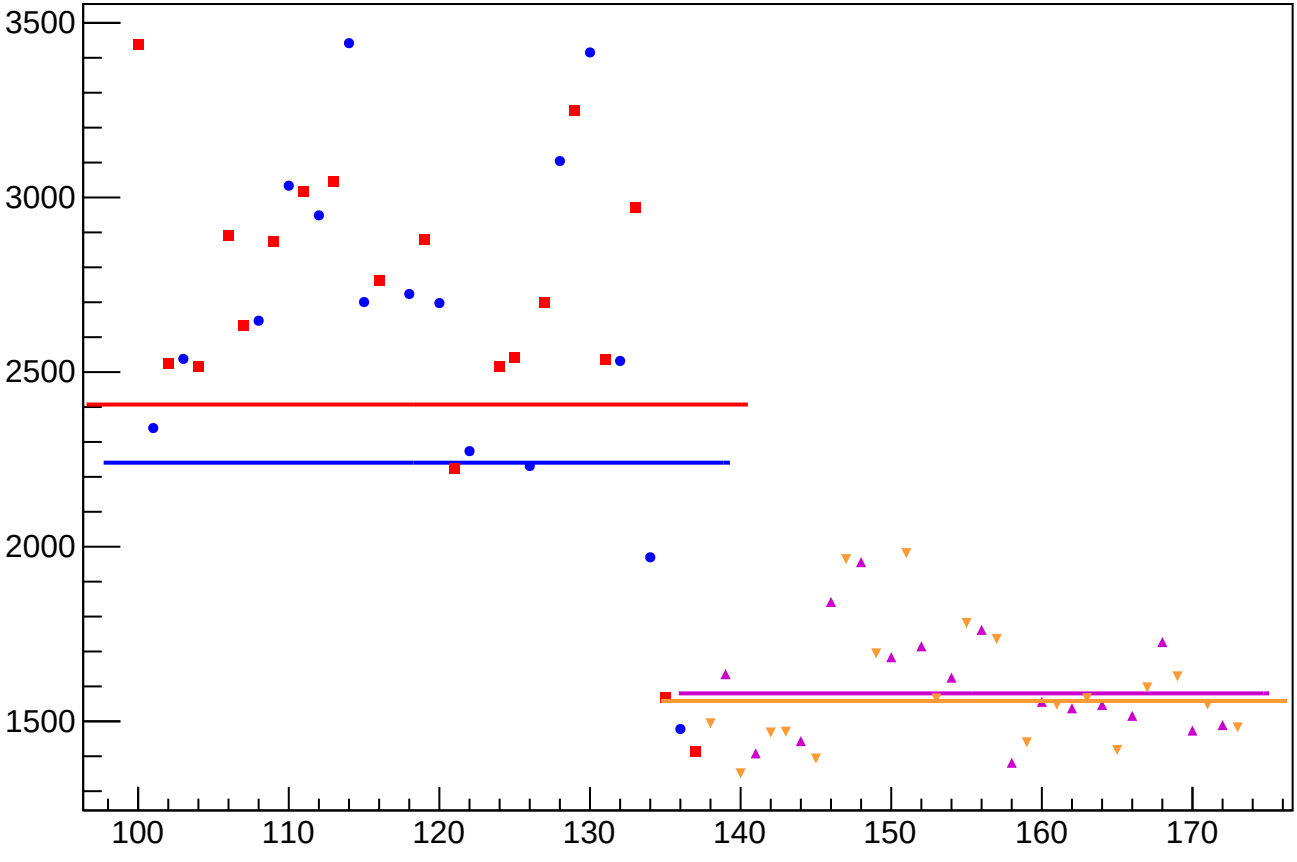
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 151.098+/-380.929 χ^2/NDF:51.4/32

Out: 483.243+/-369.687 χ^2/NDF:49.5/37

All: 322.144+/-265.293 χ^2/NDF: 101.2/70

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1558.249+/-0.286 χ^2/NDF:305967.6/18

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1580.022+/-0.300 χ^2/NDF:245881.8/16

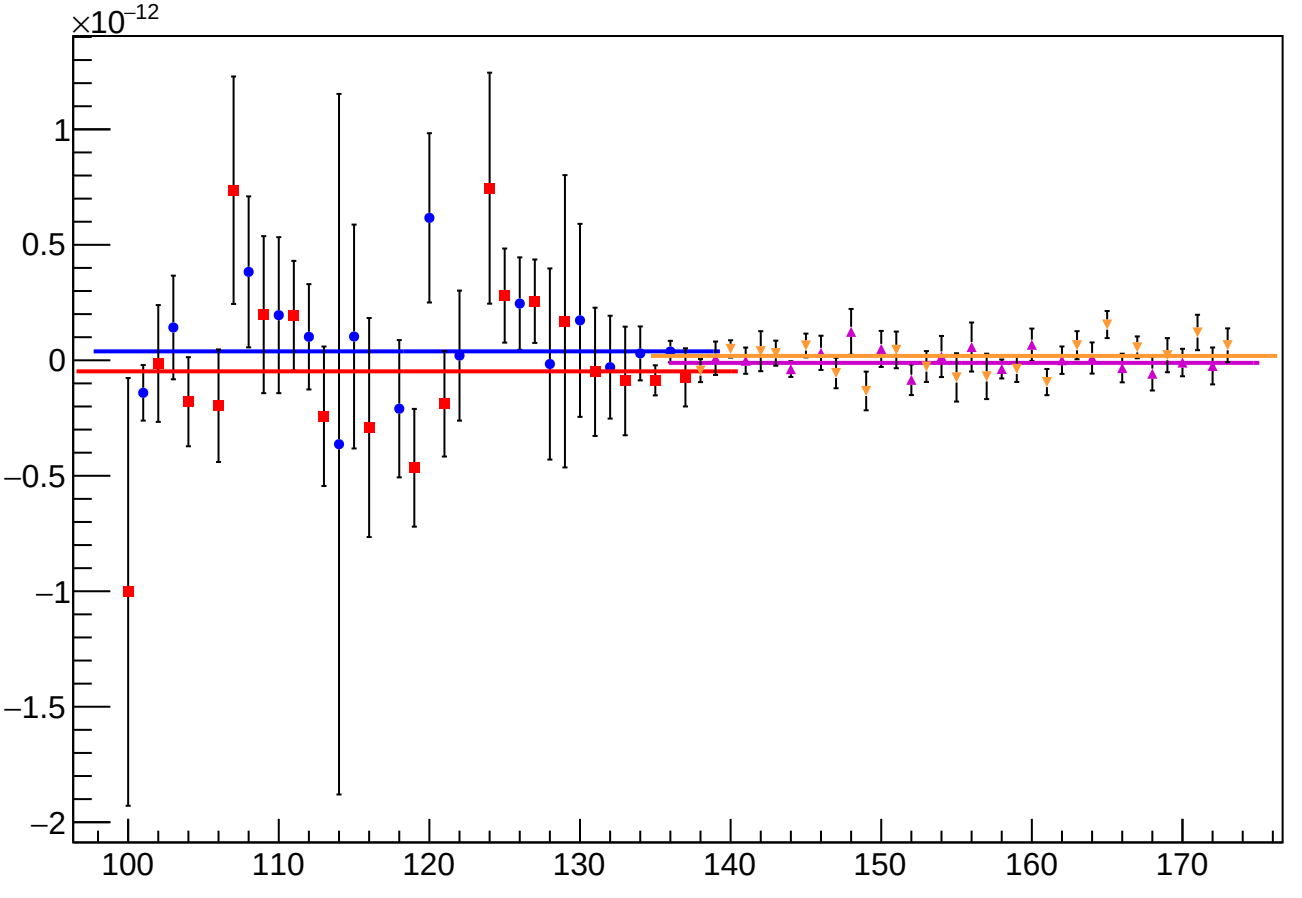
Left: 1568.626+/-0.207 χ^2/NDF: 554603.4/35

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1708.644+/-0.269 χ^2/NDF:2122565.0/32

Out: 1700.081+/-0.261 χ^2/NDF:2562467.7/37

All: 1704.234+/-0.188 χ^2/NDF: 4685553.1/70



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.5/18

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:7.6/16

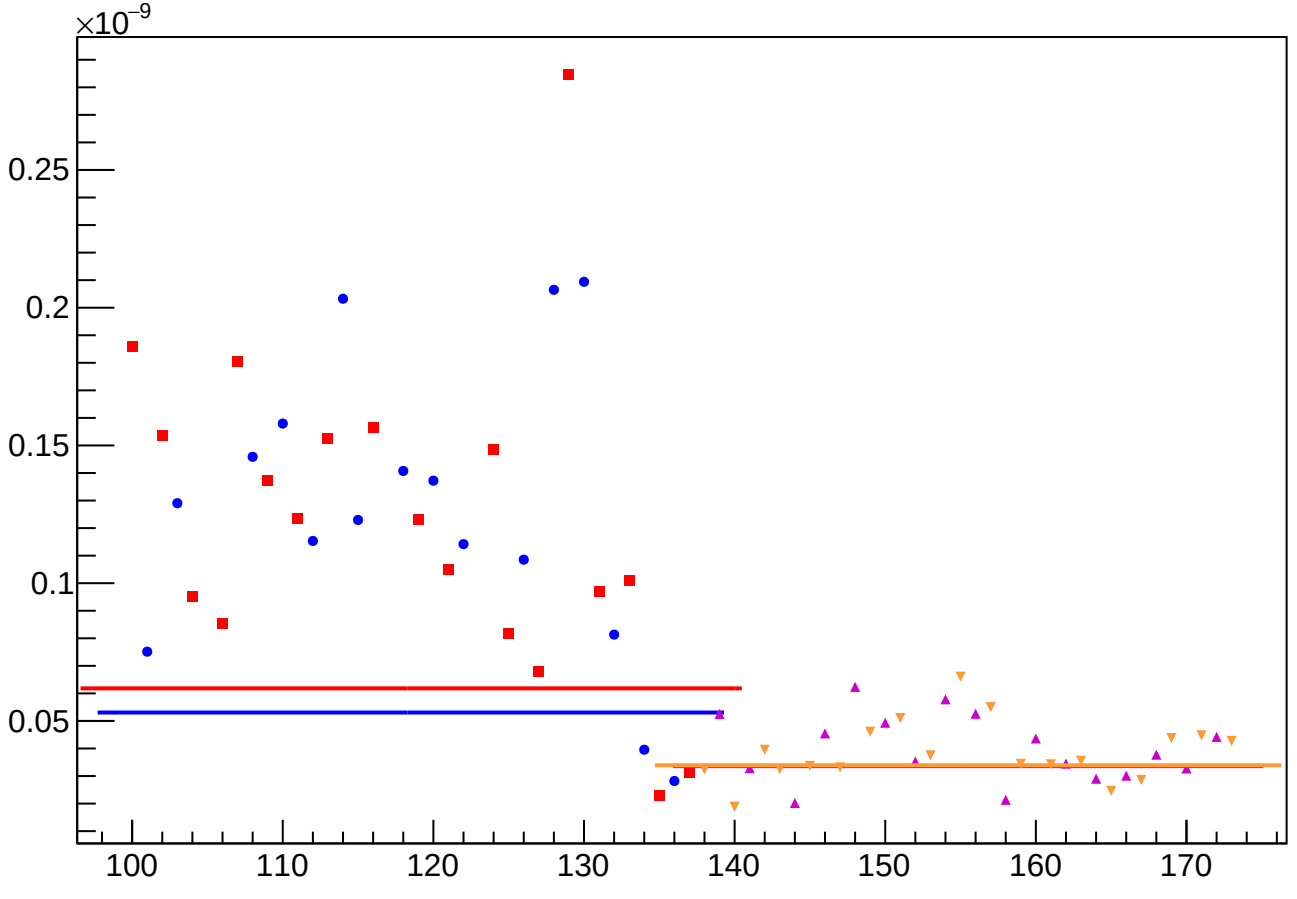
Left: 0.000+/-0.000 χ^2/NDF: 33.3/35

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: -0.000+/-0.000 χ^2/NDF:17.6/32

Out: 0.000+/-0.000 χ^2/NDF:43.9/37

All: 0.000+/-0.000 χ^2/NDF: 62.3/70



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:939303.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1240664.4/16

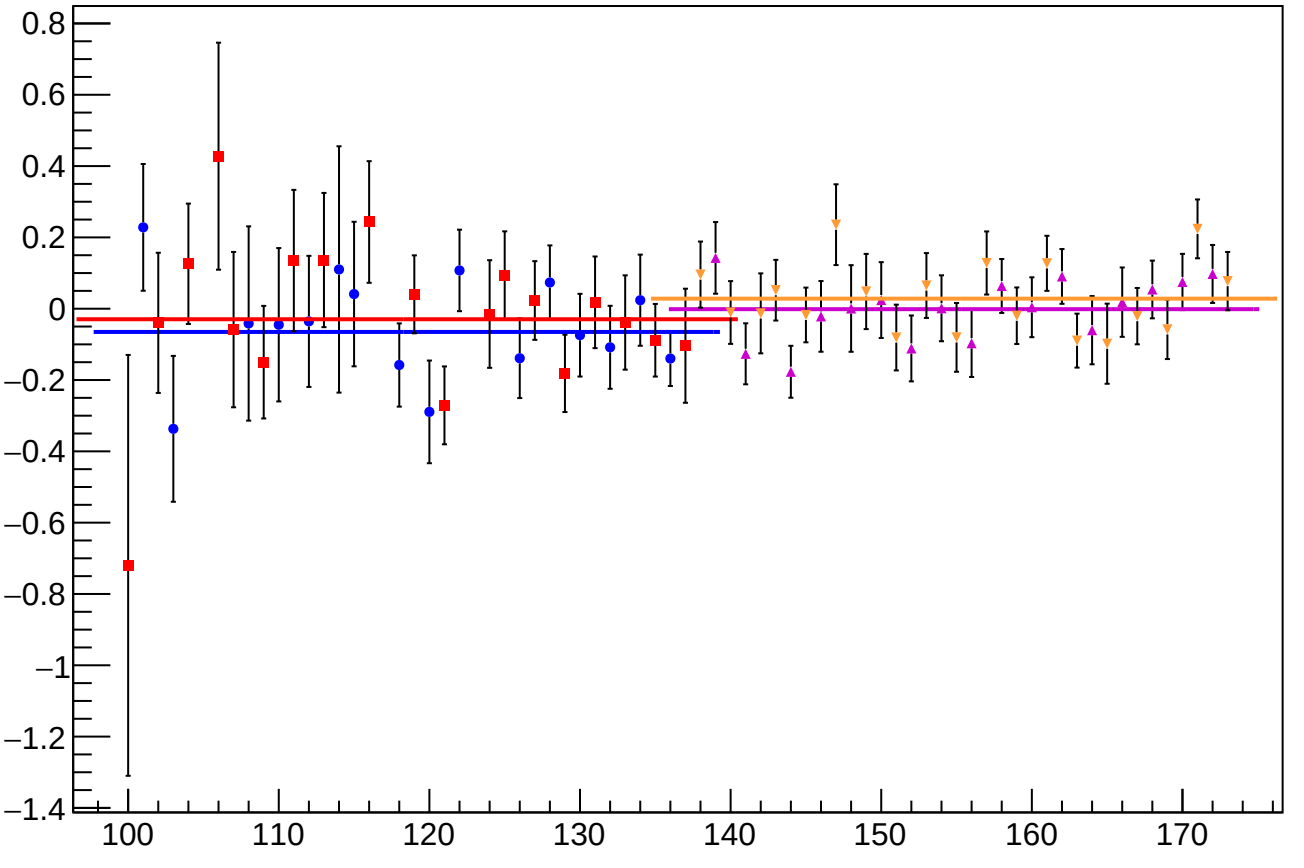
Left: 0.000+/-0.000 χ^2/NDF: 2180436.3/35

Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:4306828.5/32

Out: 0.000+/-0.000 χ^2/NDF:4106132.9/37

All: 0.000+/-0.000 χ^2/NDF: 8413053.5/70



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.028+/-0.020 χ^2/NDF:21.9/18

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.001+/-0.021 χ^2/NDF:18.0/16

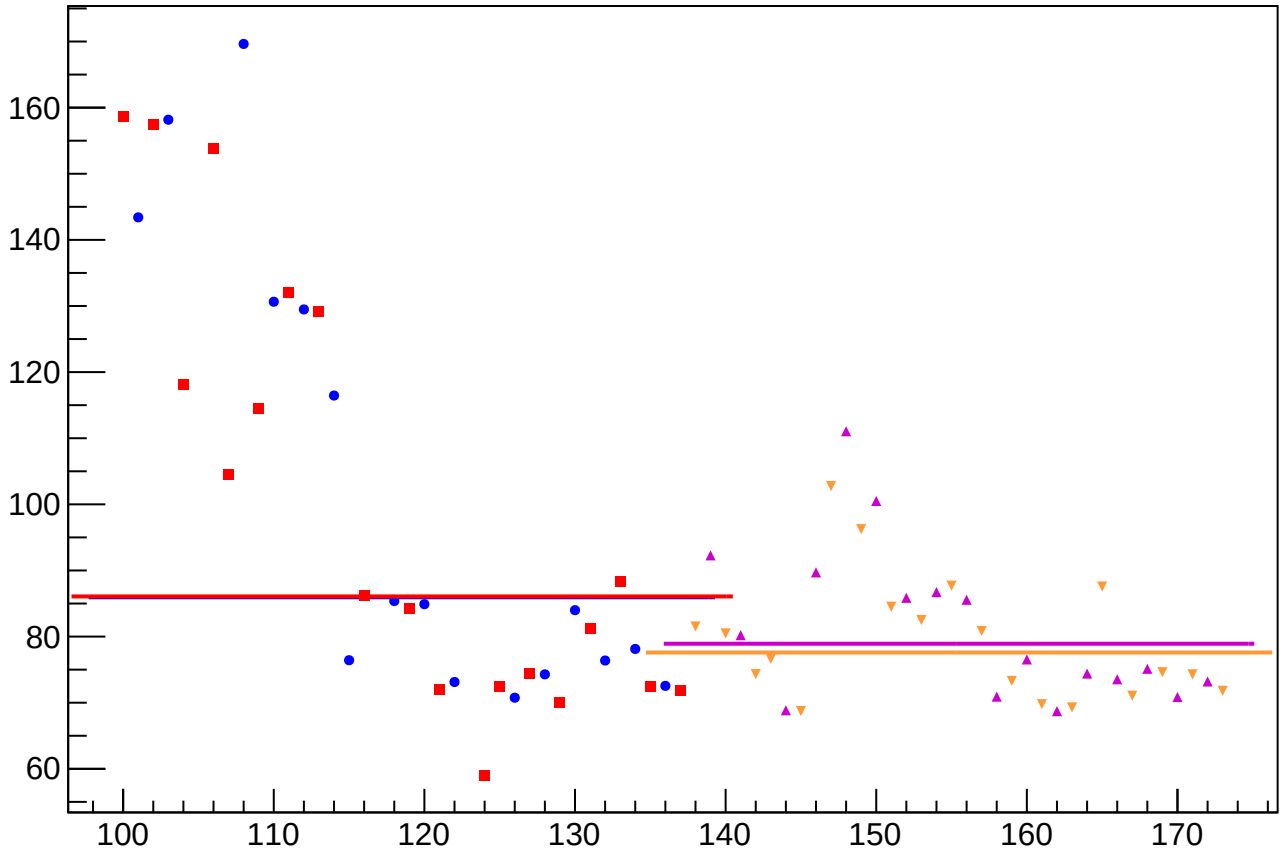
Left: 0.014+/-0.015 χ^2/NDF: 41.0/35

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.020+/-0.018 χ^2/NDF:34.8/32

Out: 0.012+/-0.017 χ^2/NDF:42.3/37

All: -0.003+/-0.012 χ^2/NDF: 78.7/70



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 77.590+/-0.014 χ^2/NDF:333200.4/18

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.921+/-0.015 χ^2/NDF:460549.2/16

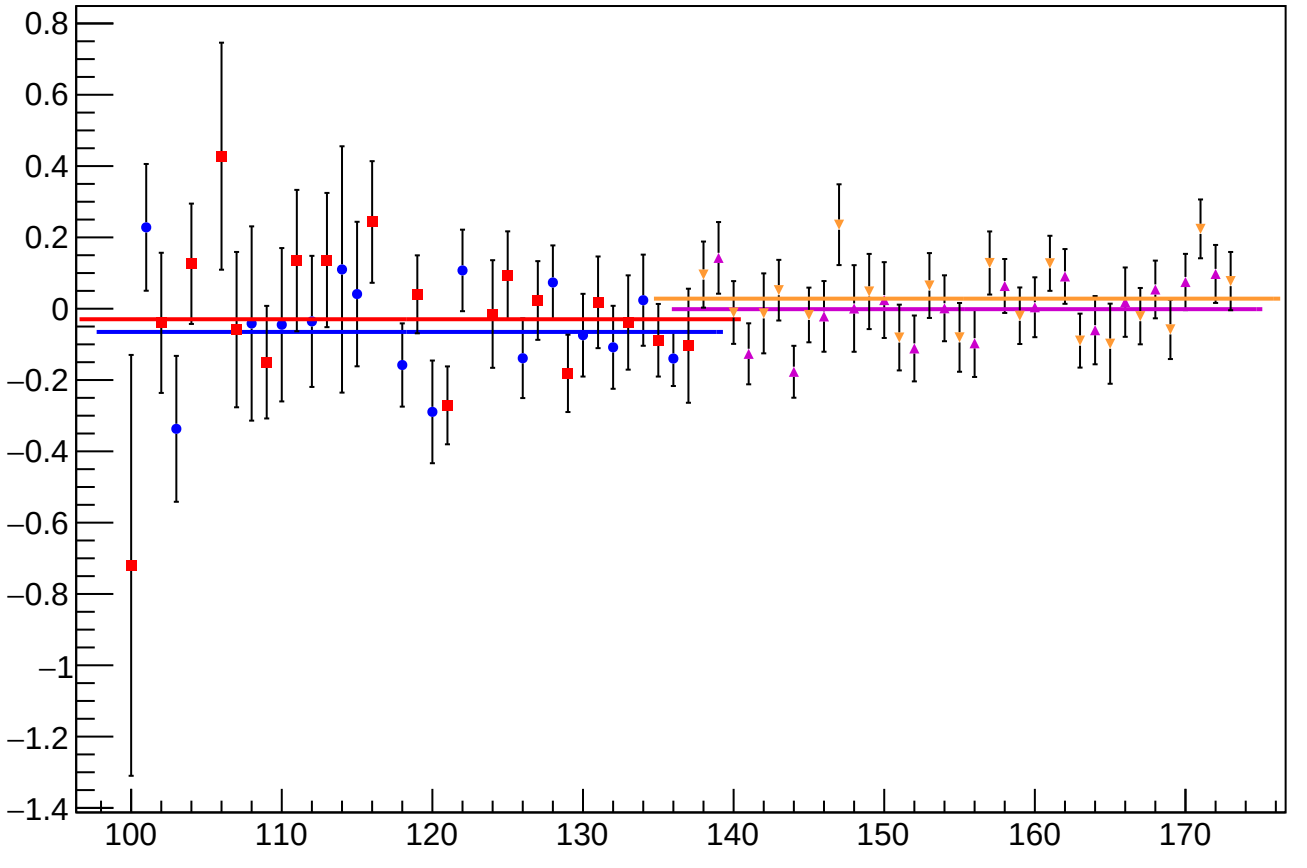
Left: 78.218+/-0.010 χ^2/NDF: 797852.8/35

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 80.966+/-0.013 χ^2/NDF:1558611.1/32

Out: 79.902+/-0.012 χ^2/NDF:1420920.6/37

All: 80.411+/-0.009 χ^2/NDF: 2983191.3/70



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.028+/-0.020 χ^2/NDF:21.9/18

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.001+/-0.021 χ^2/NDF:18.0/16

Left: 0.014+/-0.015 χ^2/NDF: 41.0/35

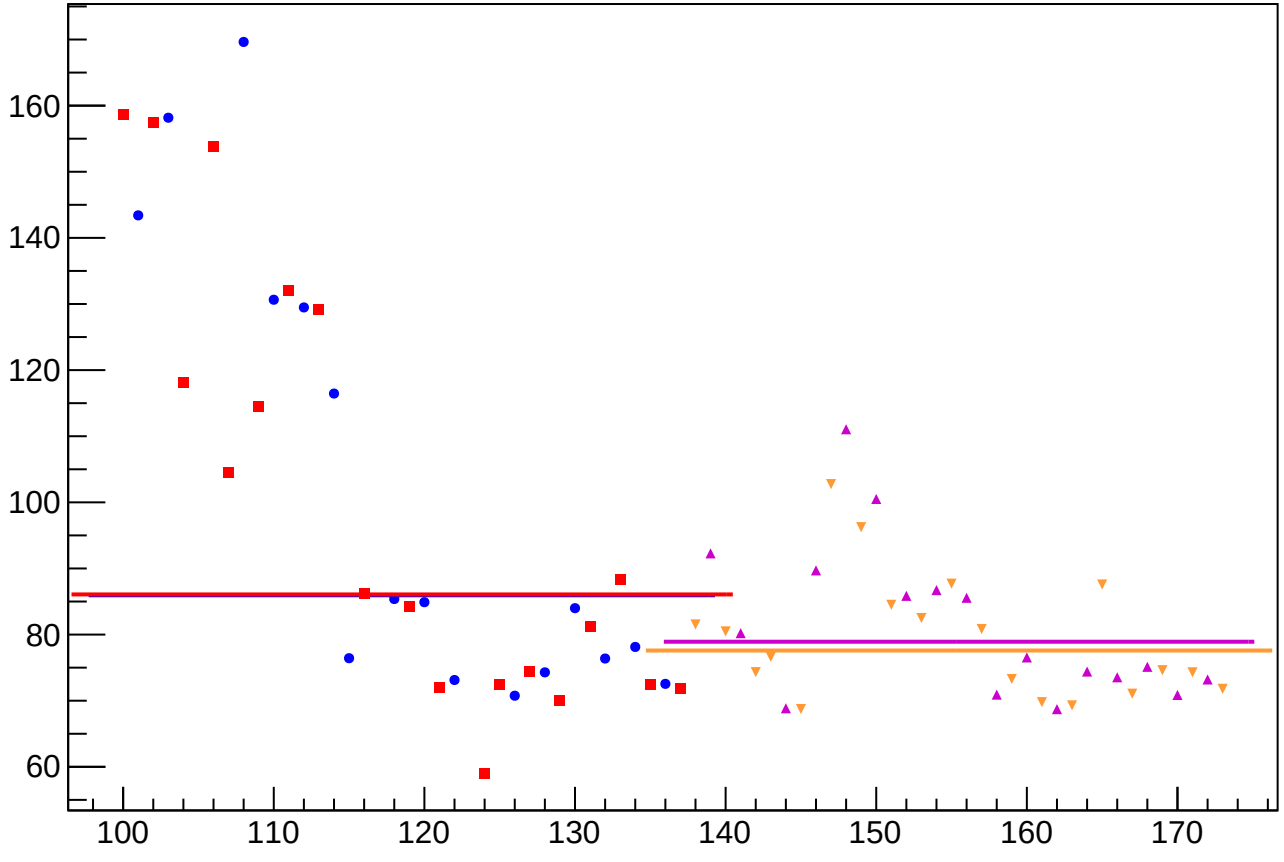
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.020+/-0.018 χ^2/NDF:34.8/32

Out: 0.012+/-0.017 χ^2/NDF:42.3/37

All: -0.003+/-0.012 χ^2/NDF: 78.7/70

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 77.590+/-0.014 χ^2/NDF:333200.4/18

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.921+/-0.015 χ^2/NDF:460549.2/16

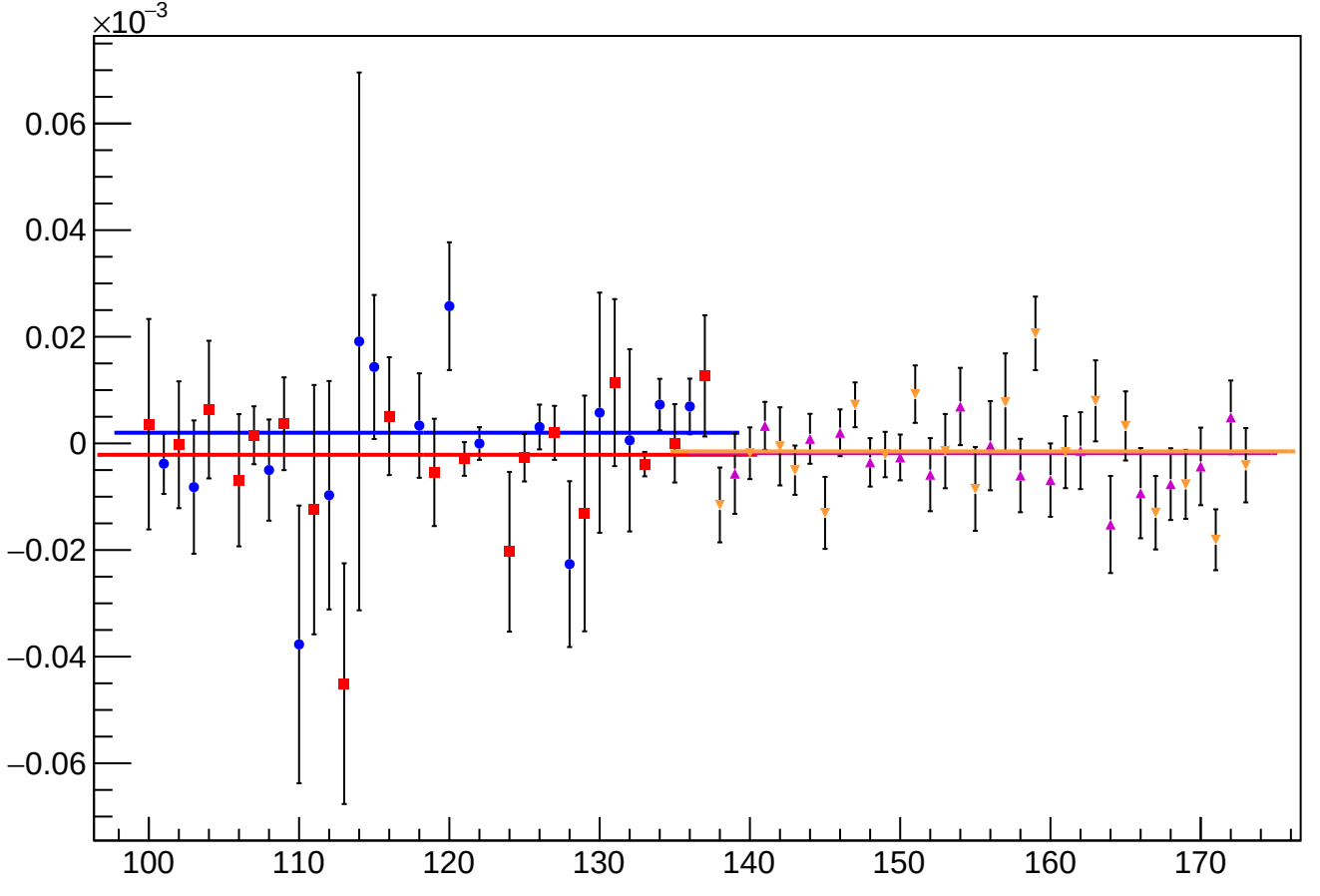
Left: 78.218+/-0.010 χ^2/NDF: 797852.8/35

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 80.966+/-0.013 χ^2/NDF:1558611.1/32

Out: 79.902+/-0.012 χ^2/NDF:1420920.6/37

All: 80.411+/-0.009 χ^2/NDF: 2983191.3/70



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:10.3/16

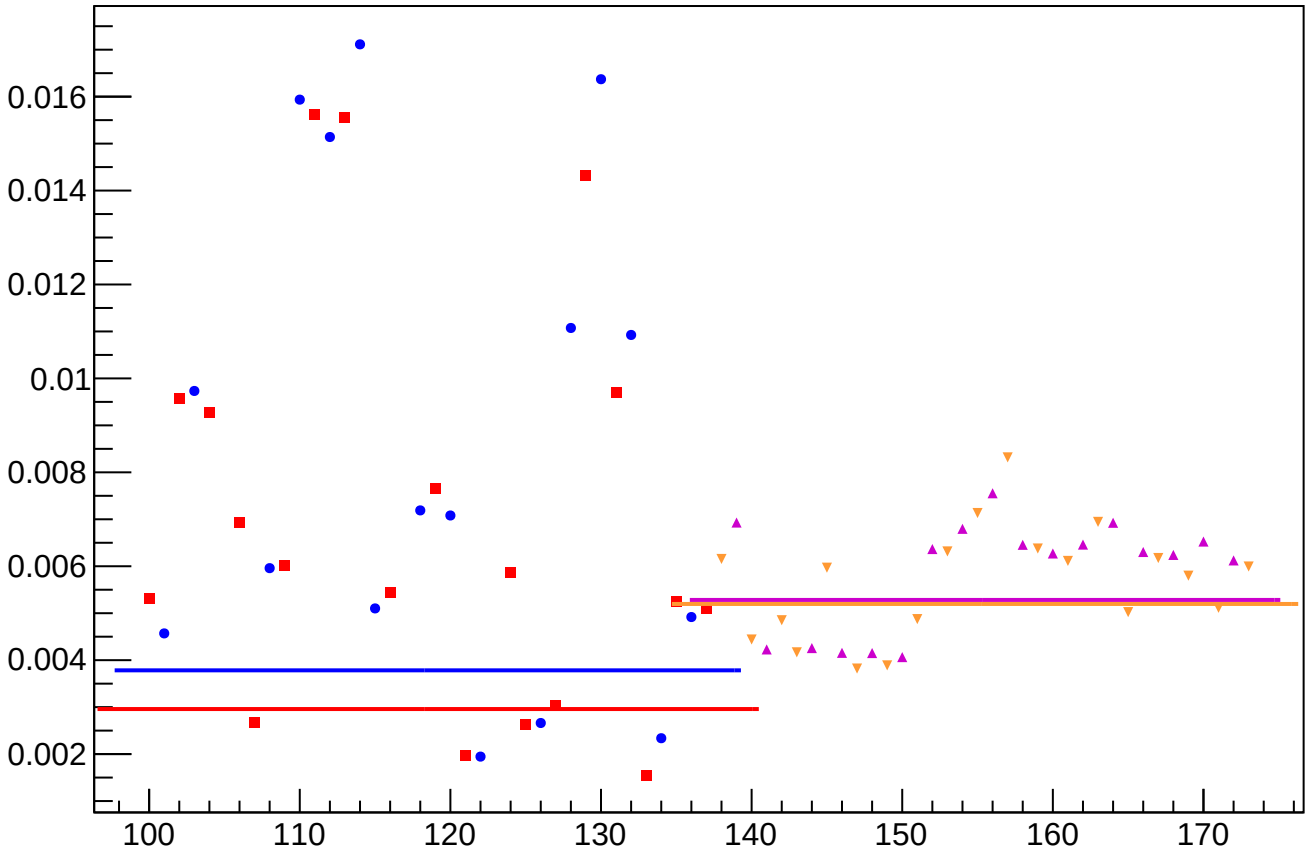
Left: -0.000+/-0.000 χ^2/NDF: 50.7/35

Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: -0.000+/-0.000 χ^2/NDF:28.1/32

Out: -0.000+/-0.000 χ^2/NDF:52.0/37

All: -0.000+/-0.000 χ^2/NDF: 81.1/70



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1317420.7/18

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:1378411.4/16

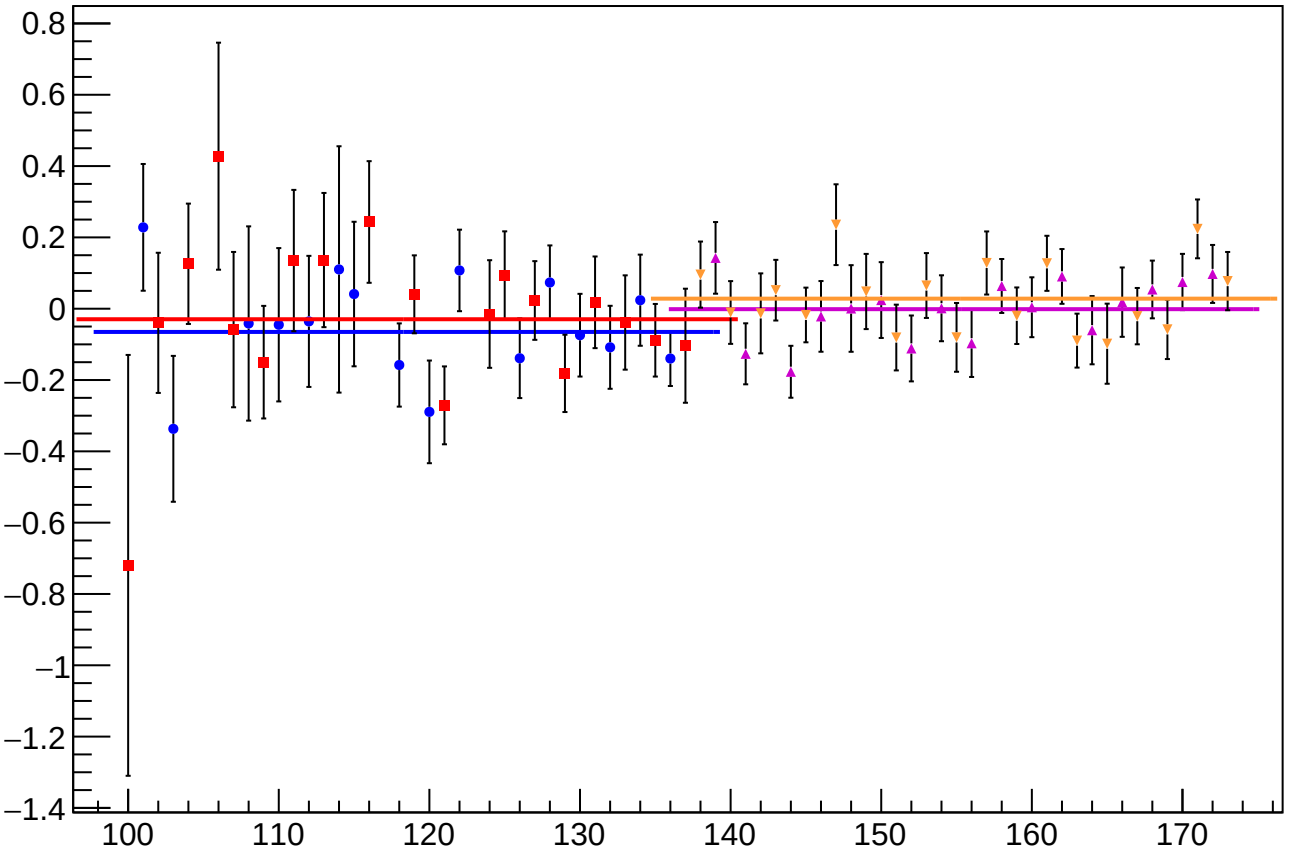
Left: 0.005+/-0.000 χ^2/NDF: 2699484.3/35

Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.005+/-0.000 χ^2/NDF:6941592.2/32

Out: 0.004+/-0.000 χ^2/NDF:9453165.7/37

All: 0.004+/-0.000 χ^2/NDF: 16689213.4/70



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.028+/-0.020 χ^2/NDF:21.9/18

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.001+/-0.021 χ^2/NDF:18.0/16

Left: 0.014+/-0.015 χ^2/NDF: 41.0/35

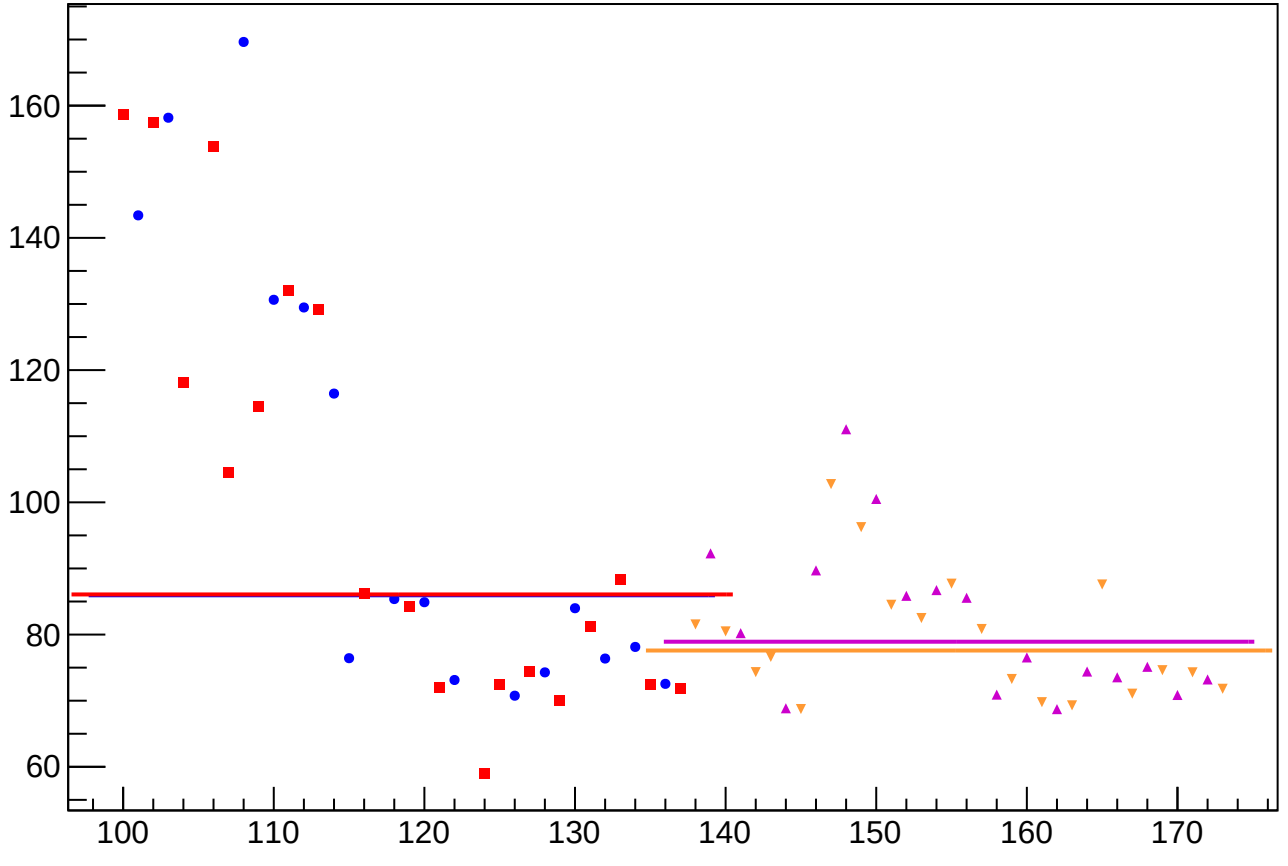
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.020+/-0.018 χ^2/NDF:34.8/32

Out: 0.012+/-0.017 χ^2/NDF:42.3/37

All: -0.003+/-0.012 χ^2/NDF: 78.7/70

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 77.590+/-0.014 χ^2/NDF:333240.6/18

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.920+/-0.015 χ^2/NDF:460590.5/16

Left: 78.217+/-0.010 χ^2/NDF: 797932.6/35

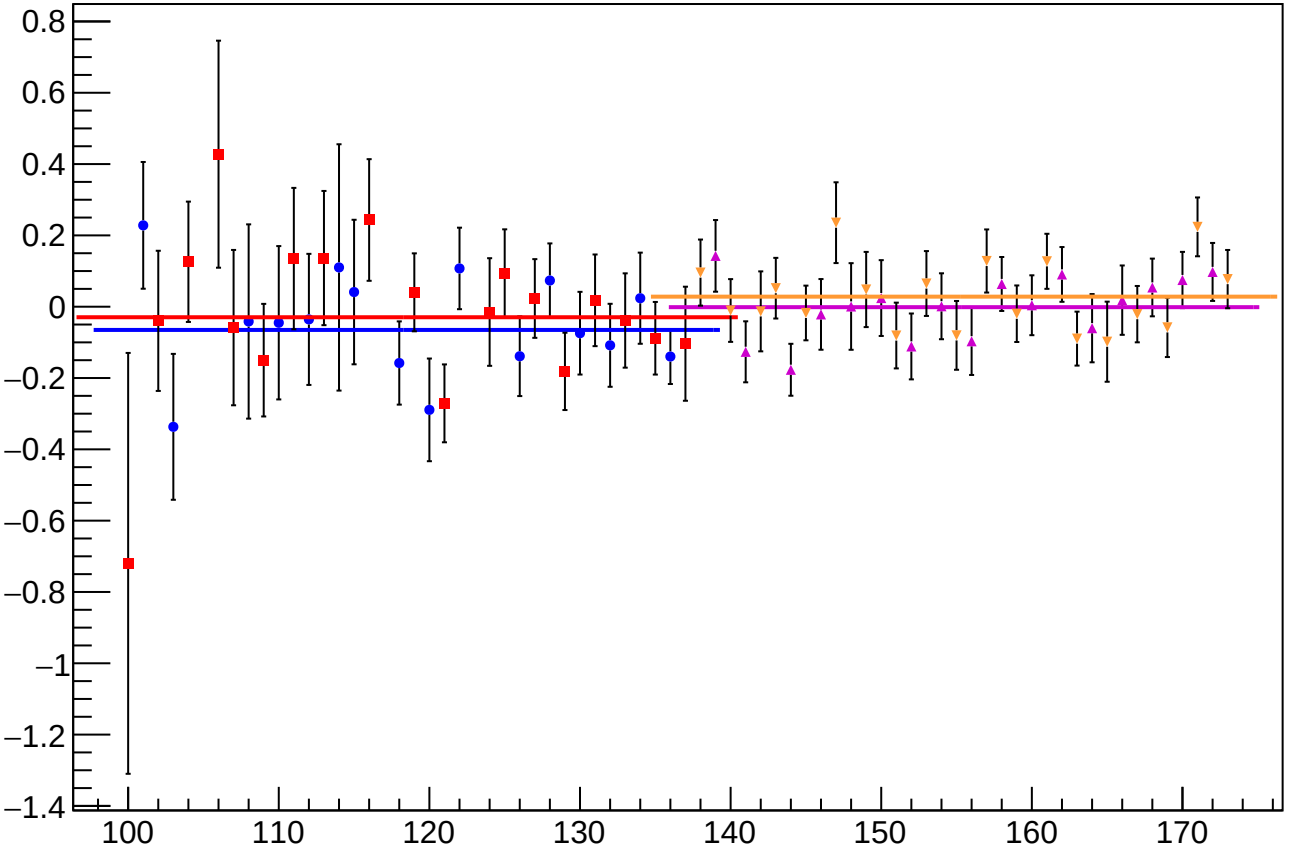
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 80.965+/-0.013 χ^2/NDF:1558607.2/32

Out: 79.901+/-0.012 χ^2/NDF:1420921.3/37

All: 80.410+/-0.009 χ^2/NDF: 2983185.8/70

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.028+/-0.020 χ^2/NDF:21.9/18

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.001+/-0.021 χ^2/NDF:18.0/16

Left: 0.014+/-0.015 χ^2/NDF: 41.0/35

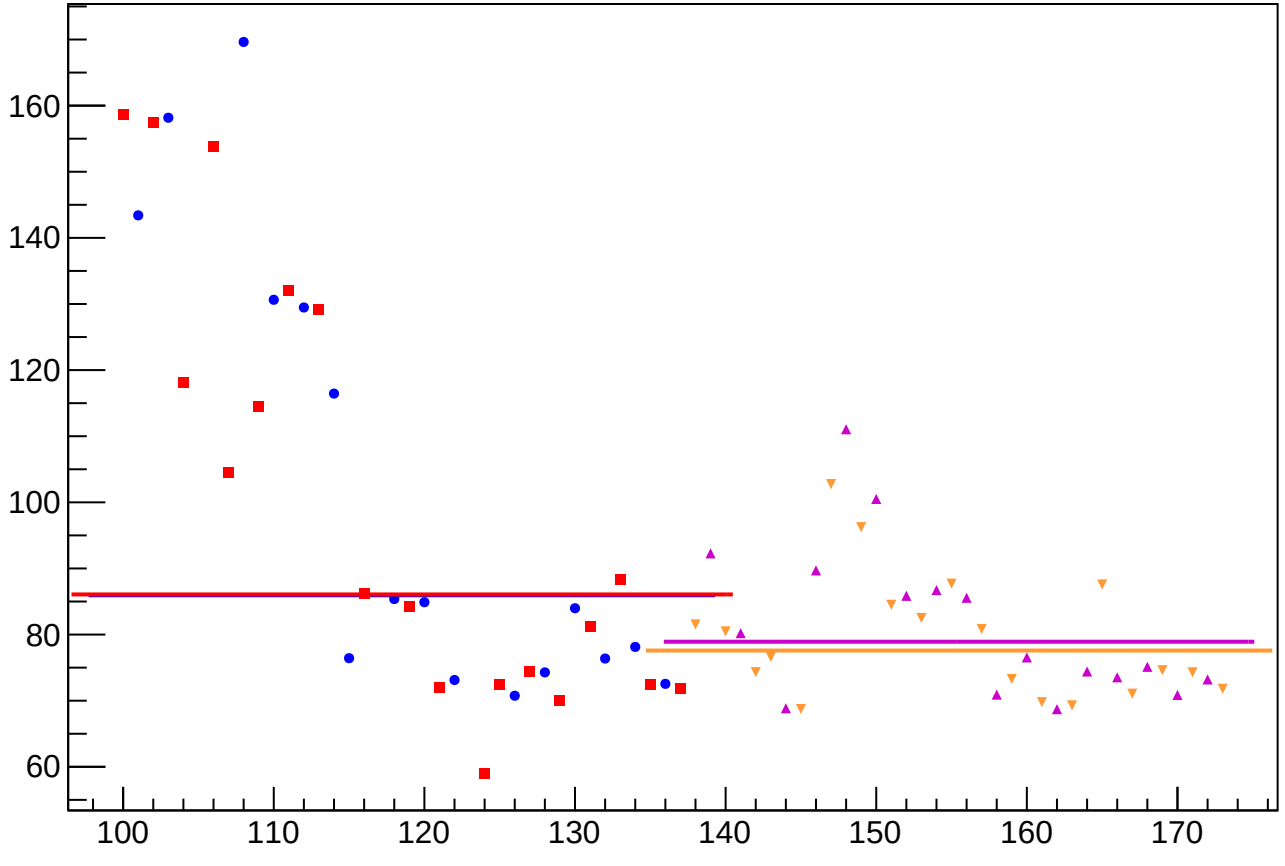
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.020+/-0.018 χ^2/NDF:34.8/32

Out: 0.012+/-0.017 χ^2/NDF:42.3/37

All: -0.003+/-0.012 χ^2/NDF: 78.7/70

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: 77.590+/-0.014 χ^2/NDF:333240.6/18

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.920+/-0.015 χ^2/NDF:460590.5/16

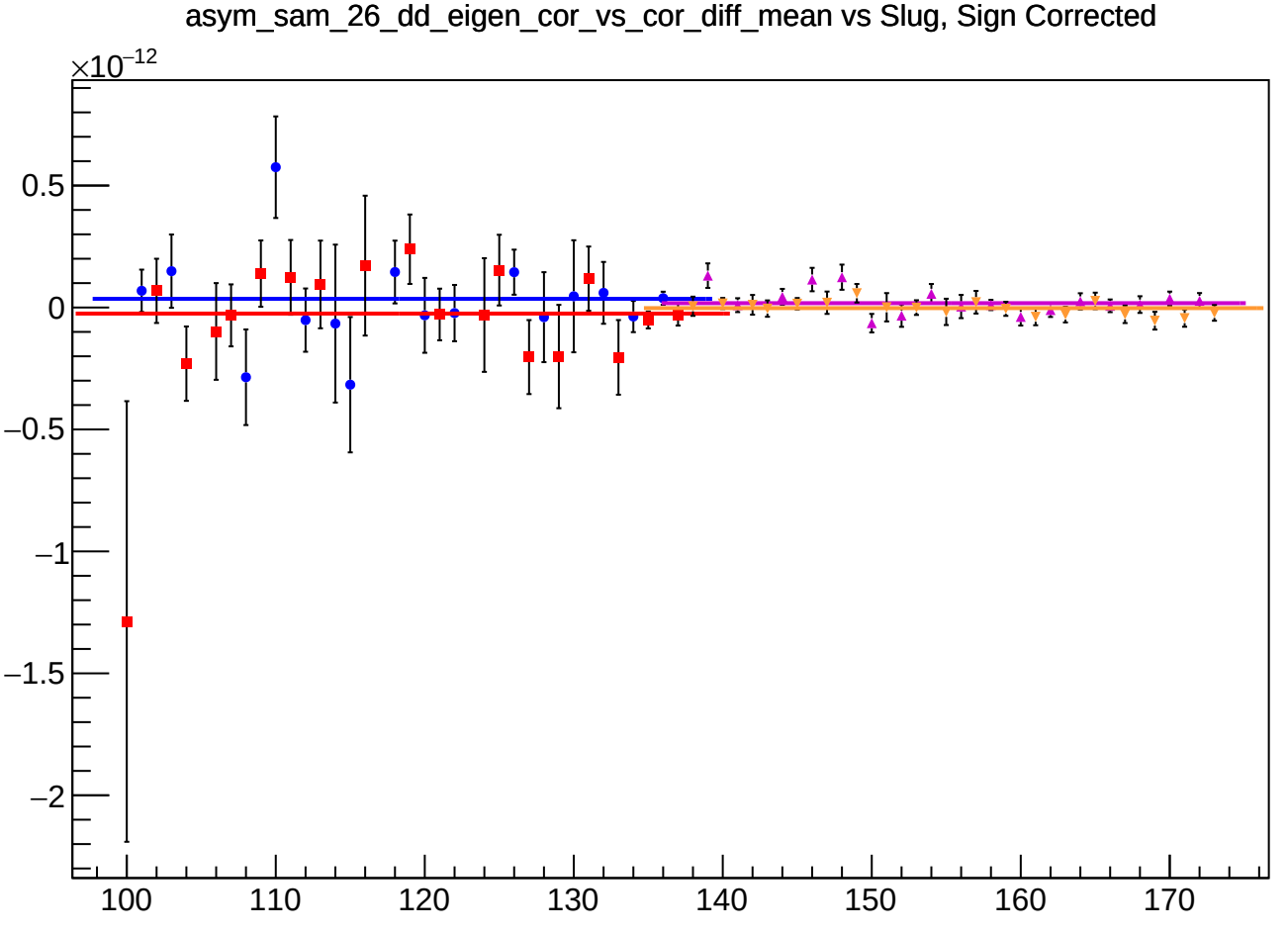
Left: 78.217+/-0.010 χ^2/NDF: 797932.6/35

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 80.965+/-0.013 χ^2/NDF:1558607.2/32

Out: 79.901+/-0.012 χ^2/NDF:1420921.3/37

All: 80.410+/-0.009 χ^2/NDF: 2983185.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:25.3/16

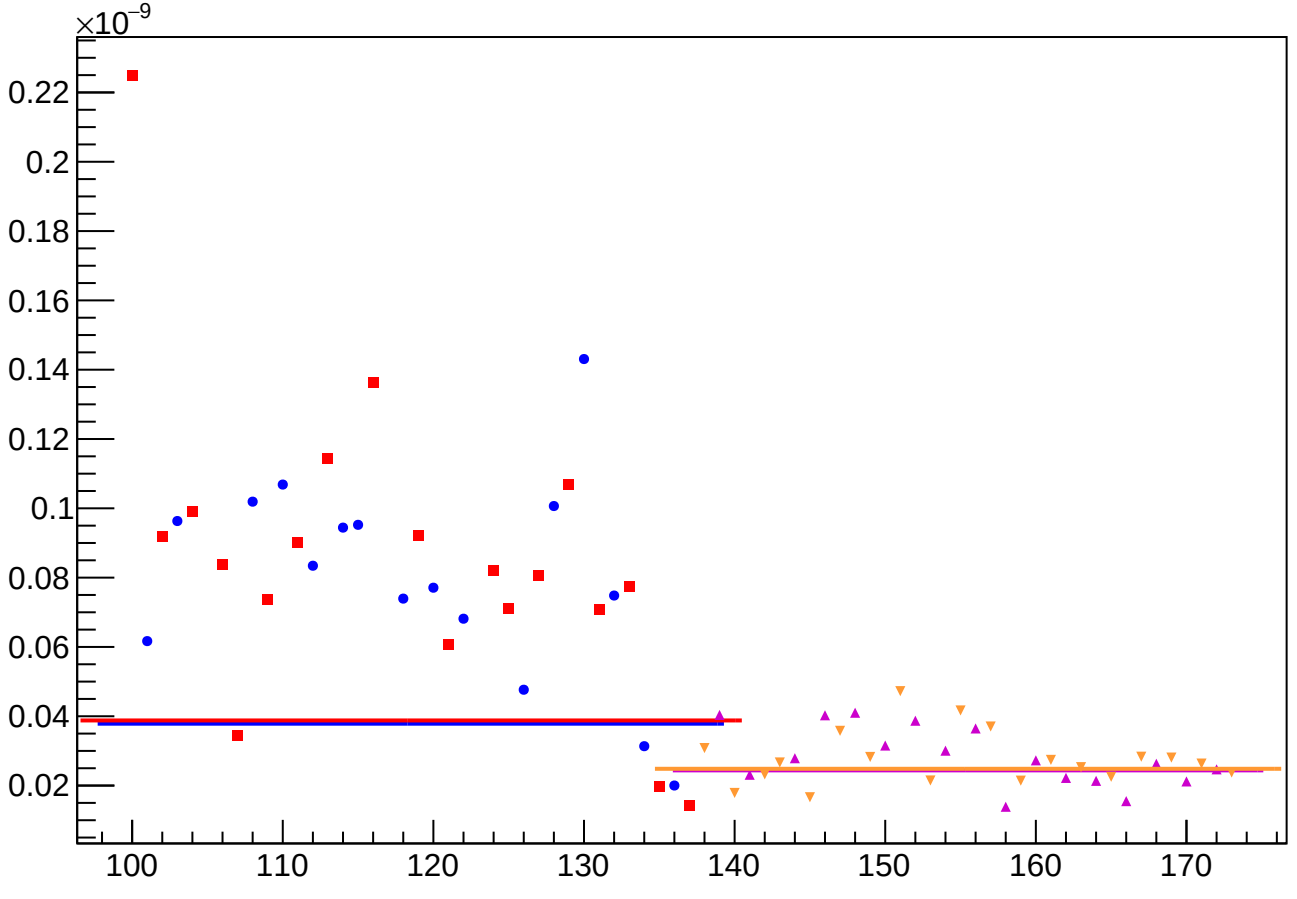
Left: 0.000+/-0.000 χ^2/NDF: 39.9/35

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:42.3/32

Out: -0.000+/-0.000 χ^2/NDF:30.1/37

All: 0.000+/-0.000 χ^2/NDF: 78.2/70



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1361273.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1895912.9/16

Left: 0.000+/-0.000 χ^2/NDF: 3260455.5/35

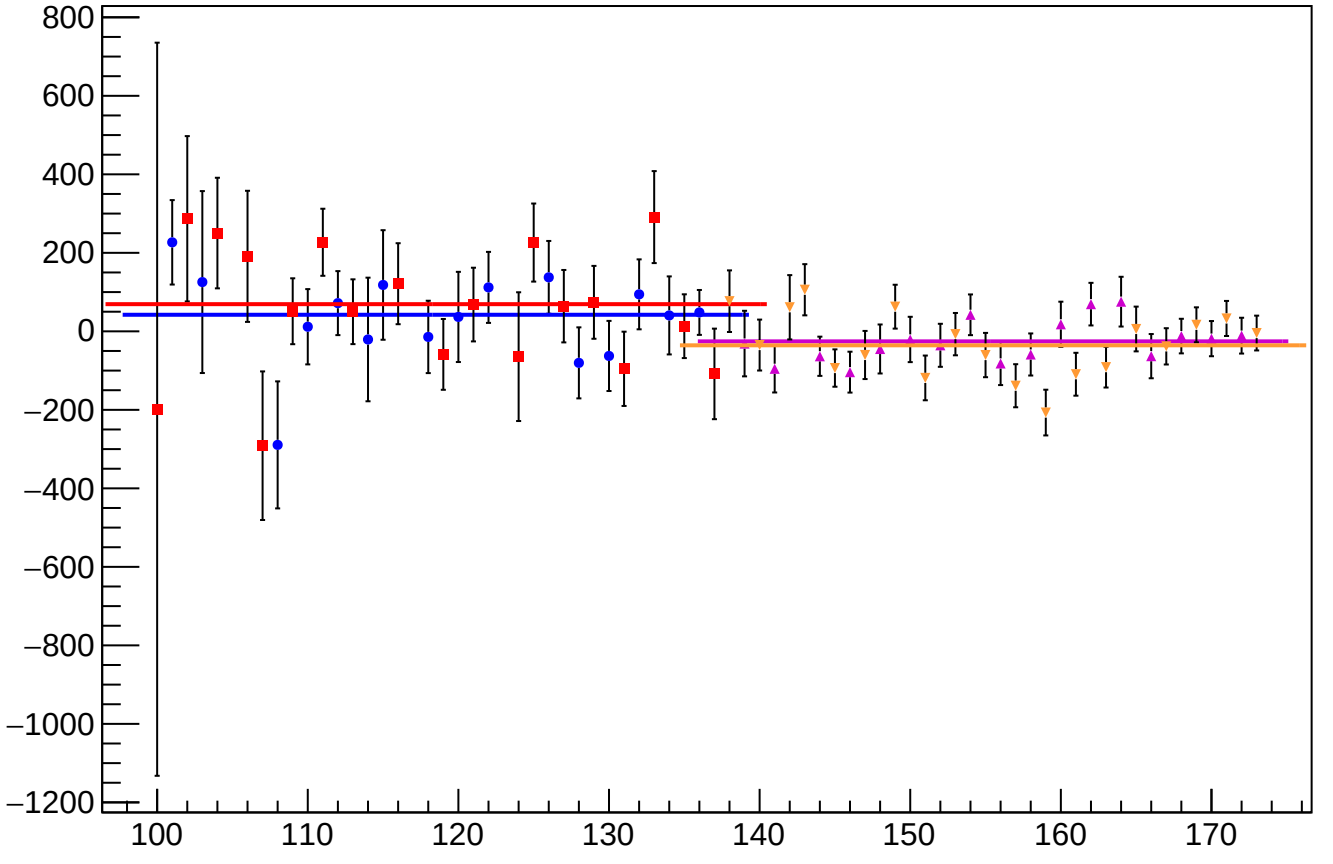
Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:6092133.5/32

Out: 0.000+/-0.000 χ^2/NDF:6186969.3/37

All: 0.000+/-0.000 χ^2/NDF: 12279803.3/70

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -35.619+/-12.498 χ^2/NDF:35.4/18

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -25.532+/-13.101 χ^2/NDF:14.3/16

Left: -30.813+/-9.043 χ^2/NDF: 50.0/35

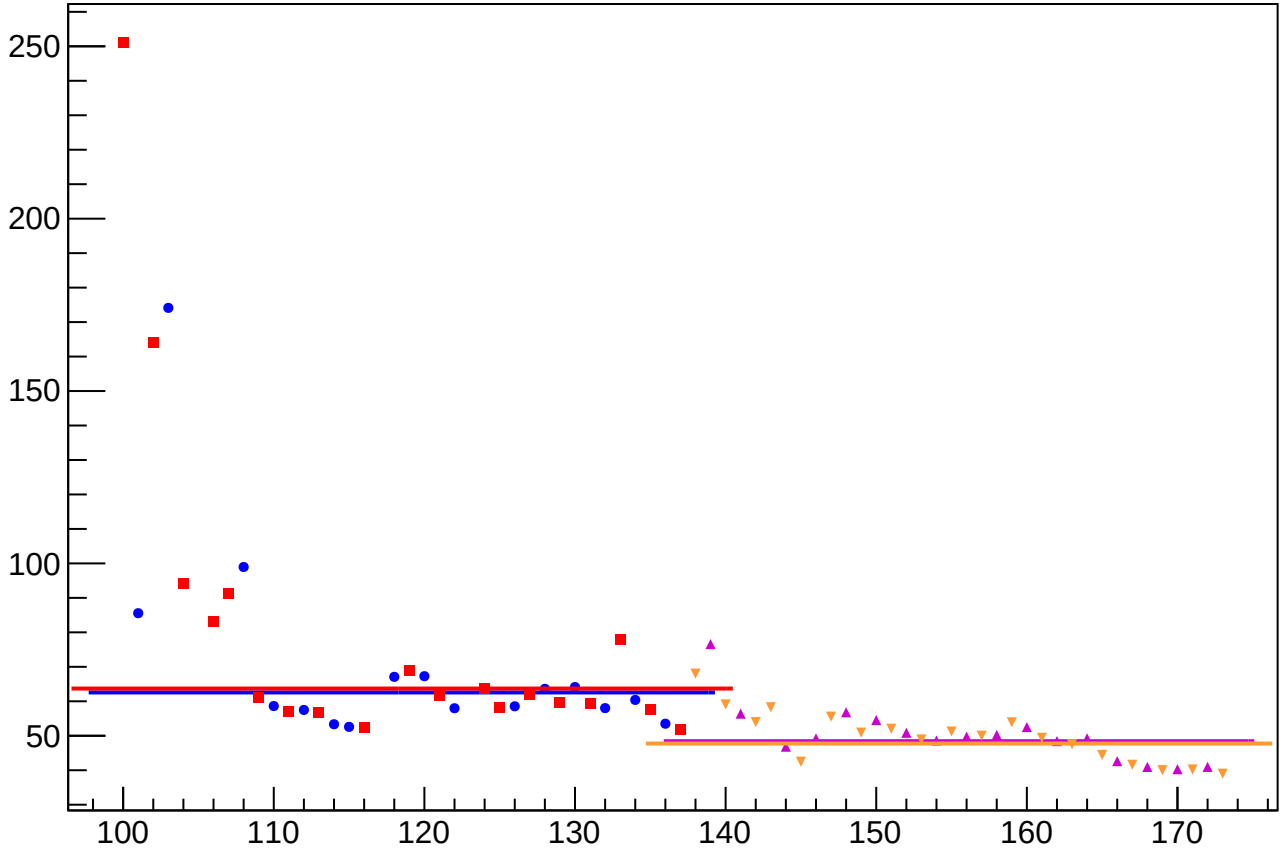
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -10.182+/-11.522 χ^2/NDF:33.9/32

Out: -13.850+/-11.125 χ^2/NDF:75.4/37

All: -12.080+/-8.003 χ^2/NDF: 109.4/70

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 47.747+/-0.009 χ^2/NDF:605906.7/18

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 48.428+/-0.009 χ^2/NDF:539256.7/16

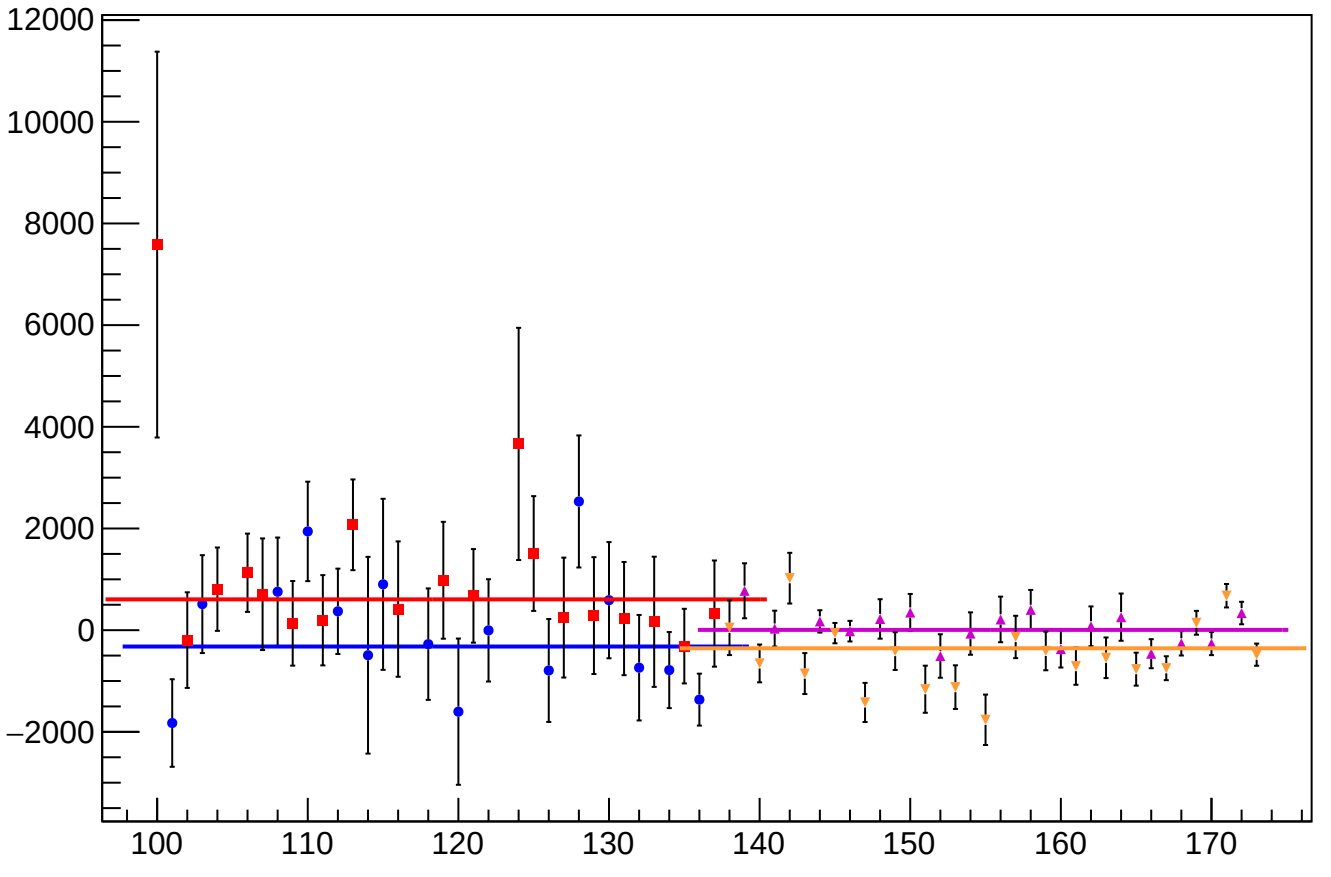
Left: 48.071+/-0.006 χ^2/NDF: 1147992.8/35

Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 51.631+/-0.008 χ^2/NDF:1825515.2/32

Out: 51.058+/-0.008 χ^2/NDF:2116517.7/37

All: 51.334+/-0.006 χ^2/NDF: 3944588.8/70



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -356.281+/-73.330 χ^2/NDF:65.4/18

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 5.636+/-74.162 χ^2/NDF:15.5/16

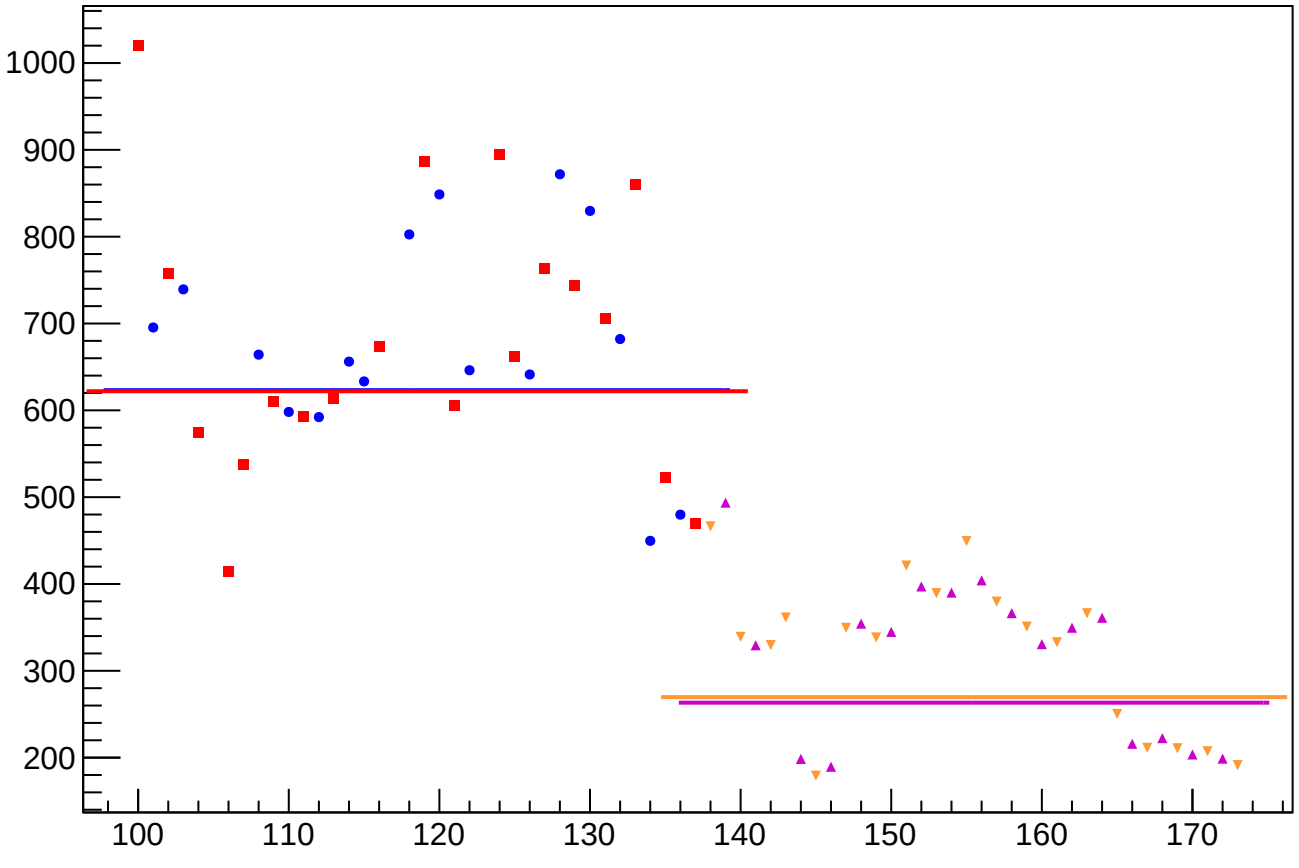
Left: -177.365+/-52.144 χ^2/NDF: 92.9/35

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: -23.225+/-70.817 χ^2/NDF:39.9/32

Out: -270.004+/-69.965 χ^2/NDF:93.3/37

All: -148.109+/-49.771 χ^2/NDF: 139.3/70



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 269.694+/-0.052 χ^2/NDF:2733287.6/18

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 263.297+/-0.052 χ^2/NDF:2476888.9/16

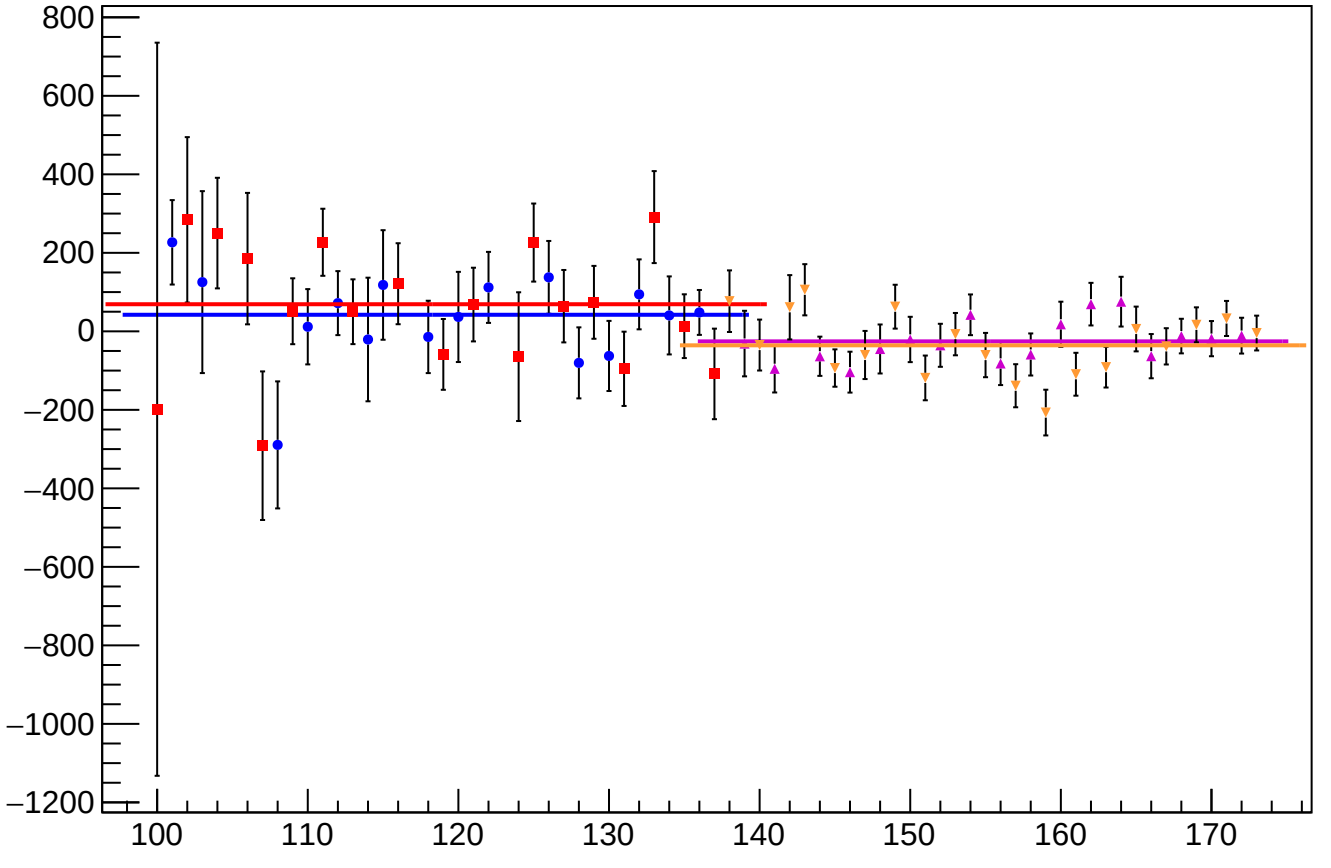
Left: 266.532+/-0.037 χ^2/NDF: 5217700.5/35

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 295.031+/-0.050 χ^2/NDF:7195318.5/32

Out: 301.284+/-0.049 χ^2/NDF:7454922.5/37

All: 298.195+/-0.035 χ^2/NDF: 14658130.1/70



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -35.617+/-12.498 χ^2/NDF:35.4/18

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -25.531+/-13.101 χ^2/NDF:14.3/16

Left: -30.812+/-9.043 χ^2/NDF: 50.0/35

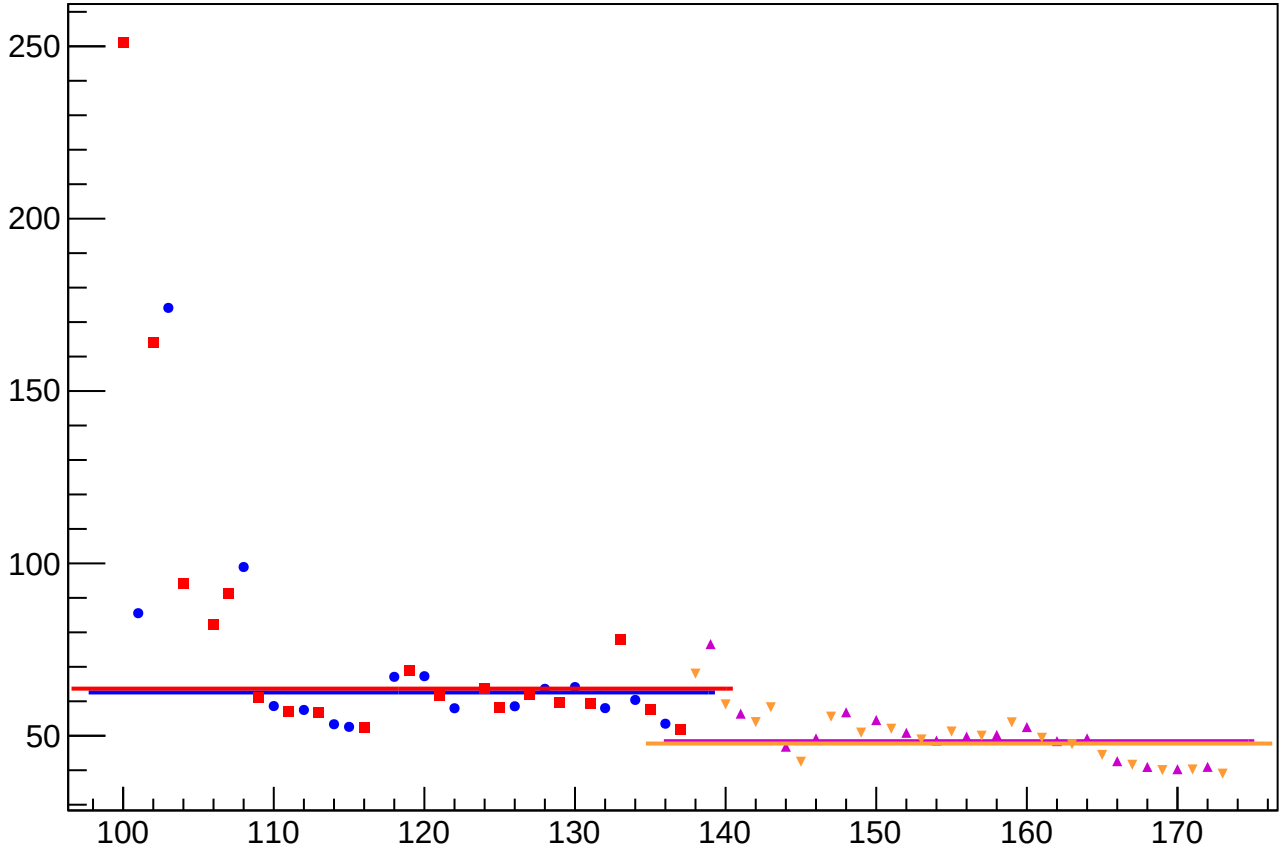
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -10.183+/-11.522 χ^2/NDF:33.9/32

Out: -13.888+/-11.125 χ^2/NDF:75.3/37

All: -12.100+/-8.003 χ^2/NDF: 109.2/70

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.747+/-0.009 χ^2/NDF:605906.6/18

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 48.428+/-0.009 χ^2/NDF:539256.7/16

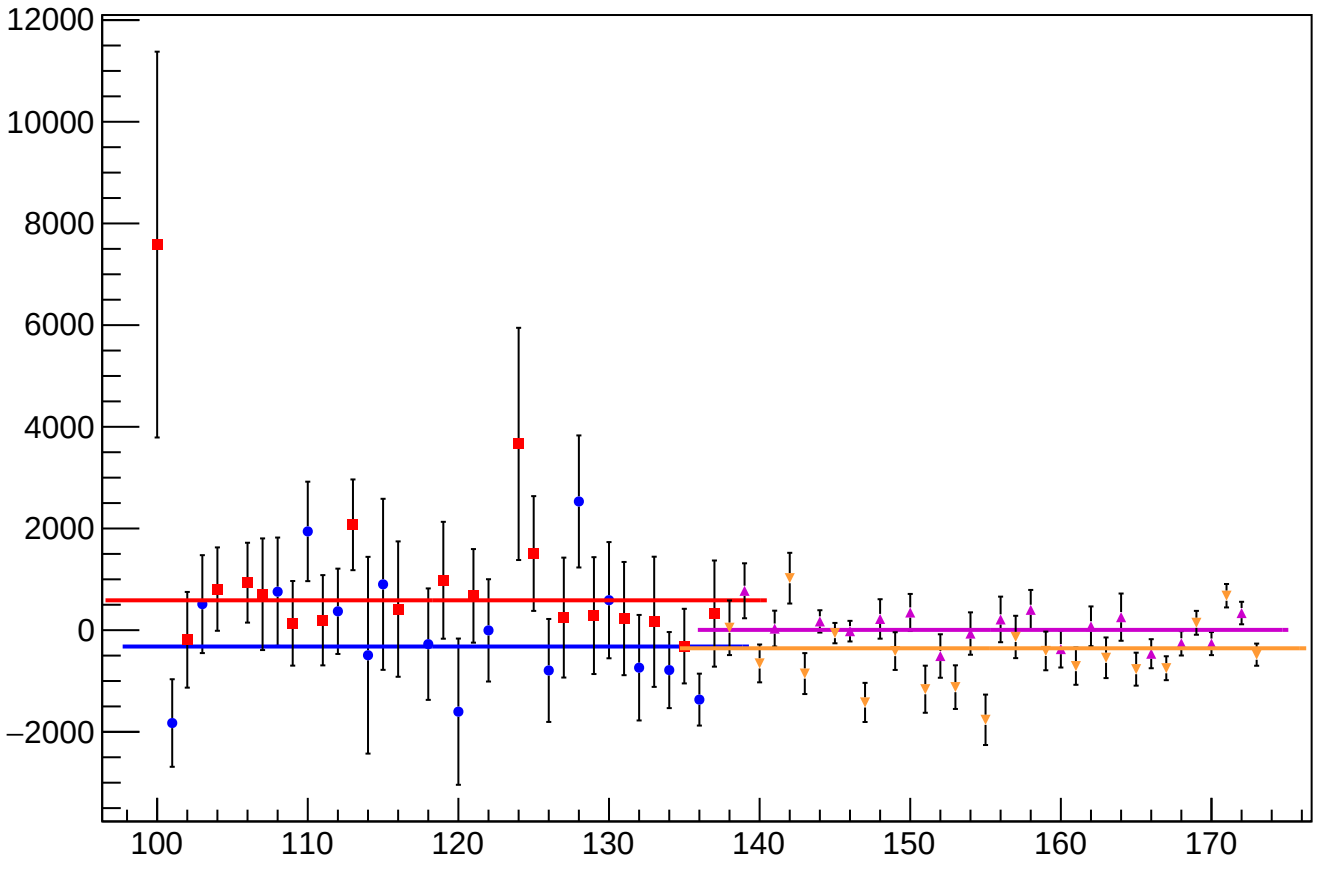
Left: 48.071+/-0.006 χ^2/NDF: 1147992.7/35

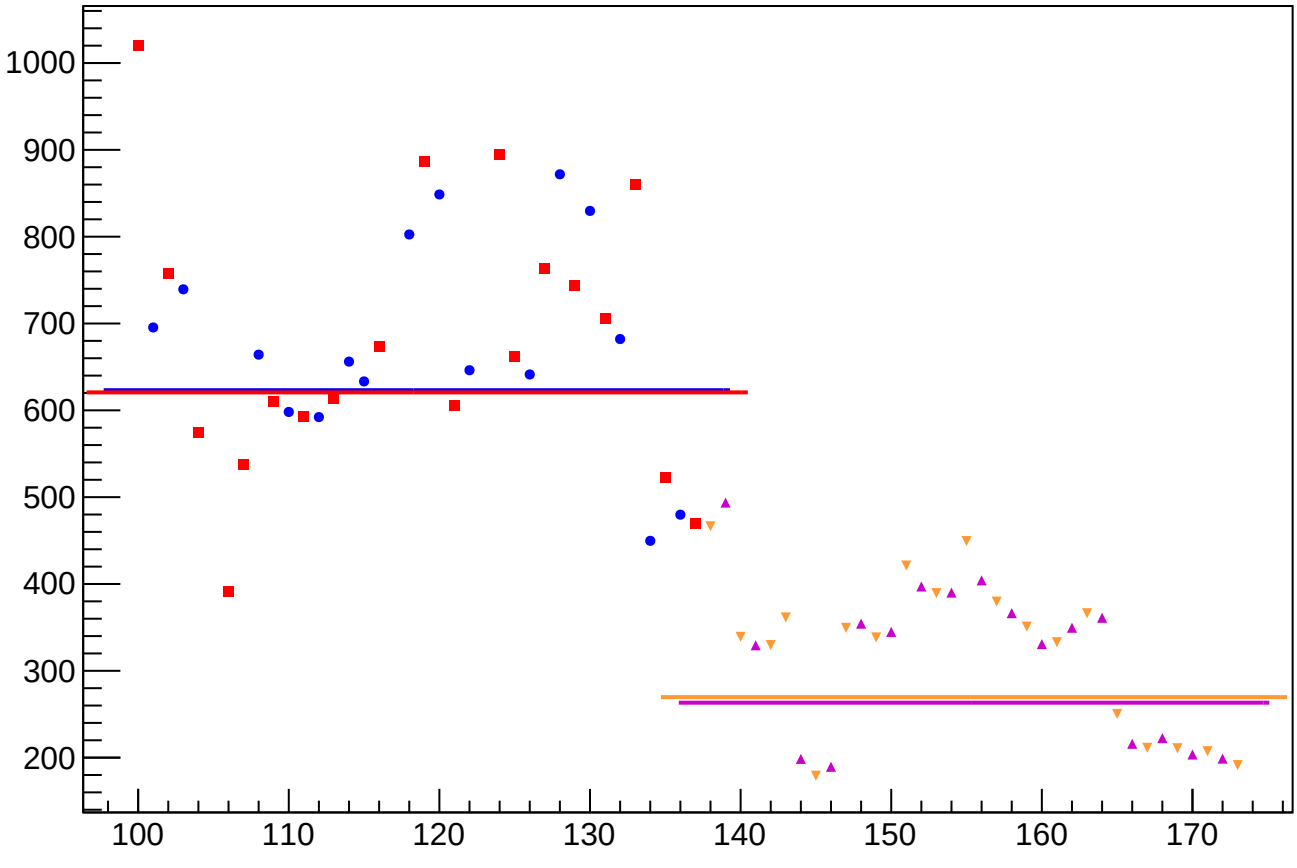
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 51.631+/-0.008 χ^2/NDF:1825517.0/32

Out: 51.053+/-0.008 χ^2/NDF:2111659.3/37

All: 51.332+/-0.006 χ^2/NDF: 3939780.1/70


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
170
Right In: -321.660+/-238.484 χ²/NDF: 22.7/15
Left Out: -356.276+/-73.330 χ²/NDF:65.4/18
Right Out: 587.224+/-234.080 χ²/NDF: 12.2/18
Left In: 5.639+/-74.162 χ²/NDF:15.5/16
Left: -177.362+/-52.144 χ²/NDF: 92.9/35
Right: 141.251+/-167.055 χ²/NDF: 42.3/34
In: -23.222+/-70.817 χ²/NDF:39.9/32
Out: -271.959+/-69.976 χ²/NDF:92.3/37
All: -149.075+/-49.775 χ²/NDF: 138.5/70



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 269.694+/-0.052 χ^2/NDF:2733293.4/18

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 263.297+/-0.052 χ^2/NDF:2476883.3/16

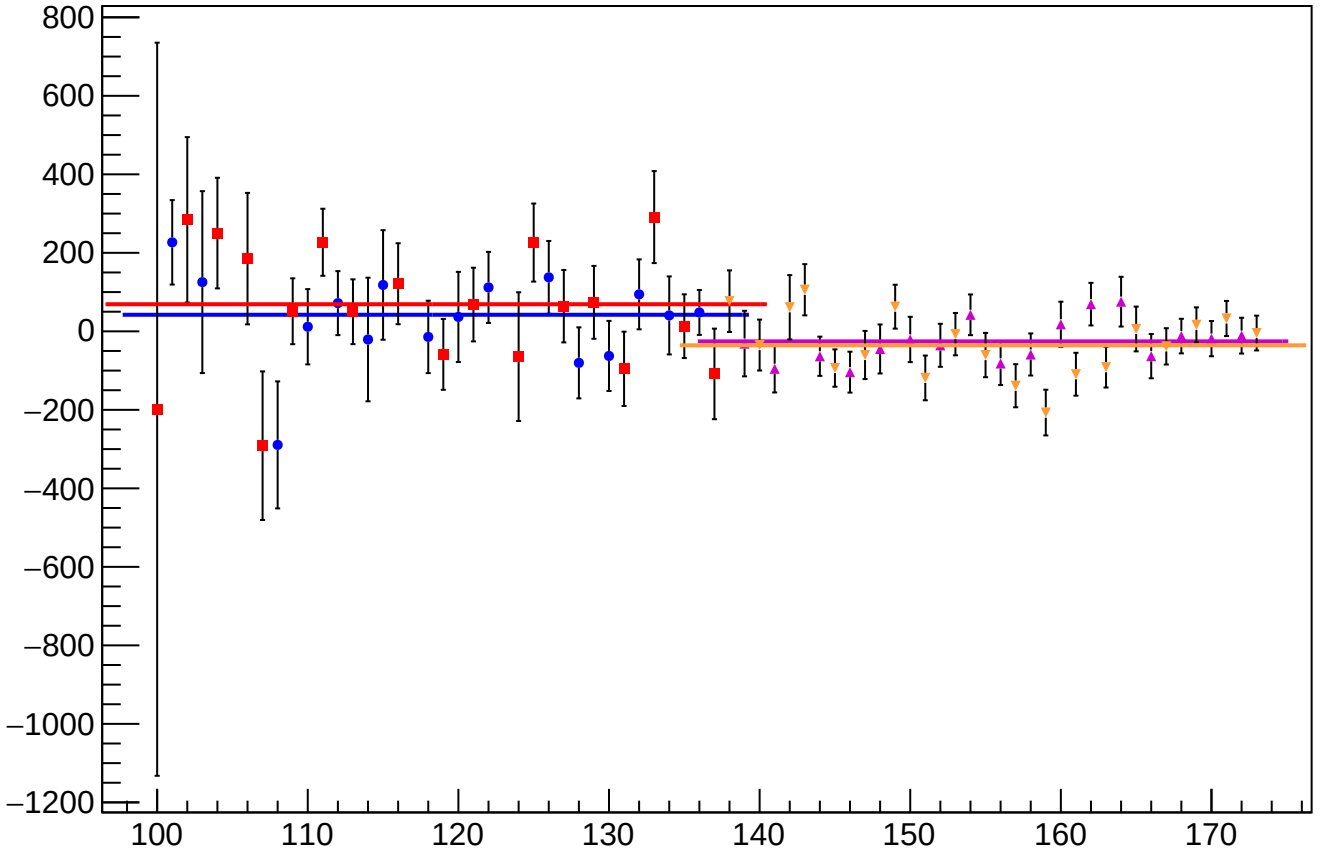
Left: 266.532+/-0.037 χ^2/NDF: 5217700.0/35

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 295.031+/-0.050 χ^2/NDF:7195362.5/32

Out: 301.060+/-0.049 χ^2/NDF:7438380.3/37

All: 298.081+/-0.035 χ^2/NDF: 14641076.0/70



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -35.617+/-12.498 χ^2/NDF:35.4/18

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -25.531+/-13.101 χ^2/NDF:14.3/16

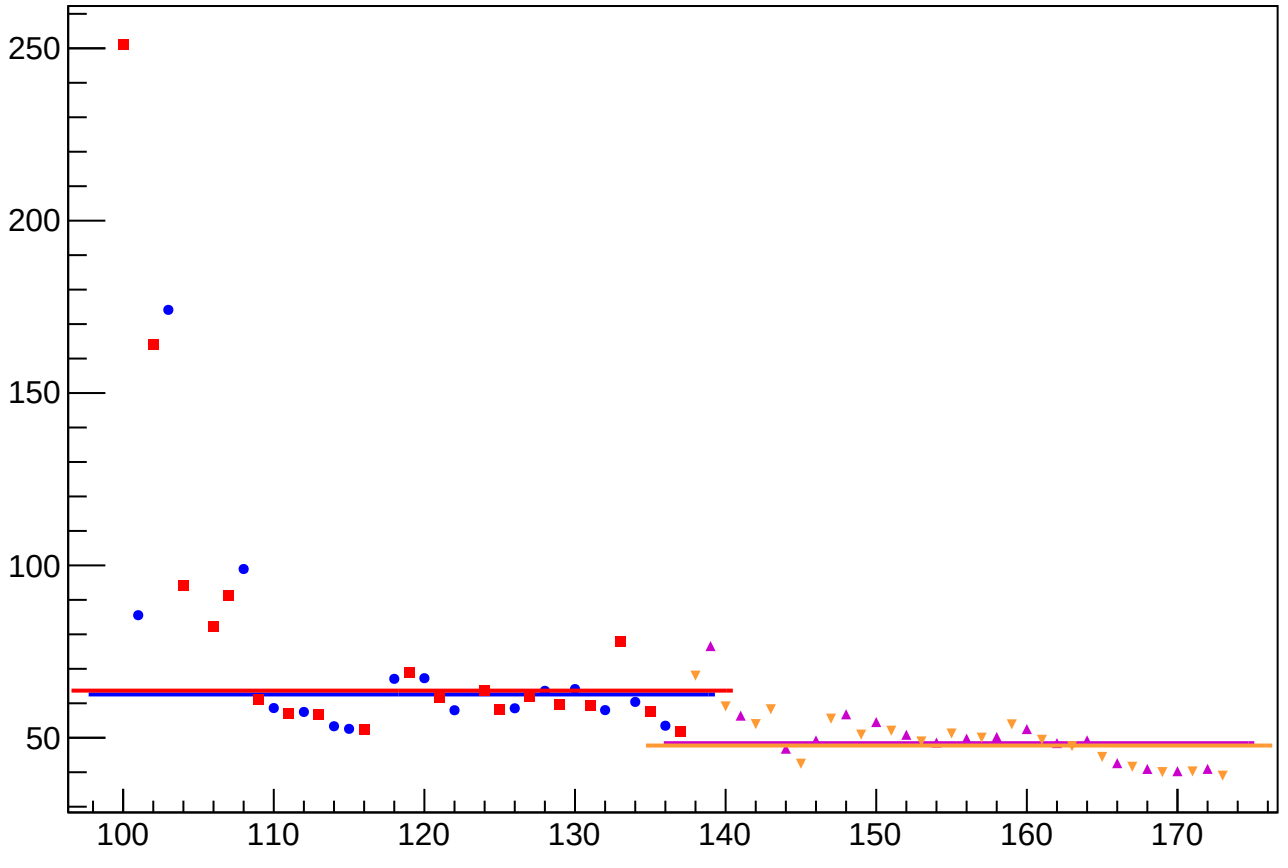
Left: -30.812+/-9.043 χ^2/NDF: 50.0/35

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -10.183+/-11.522 χ^2/NDF:33.9/32

Out: -13.888+/-11.125 χ^2/NDF:75.3/37

All: -12.100+/-8.003 χ^2/NDF: 109.2/70



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.747+/-0.009 χ^2/NDF:605906.6/18

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 48.428+/-0.009 χ^2/NDF:539256.7/16

Left: 48.071+/-0.006 χ^2/NDF: 1147992.7/35

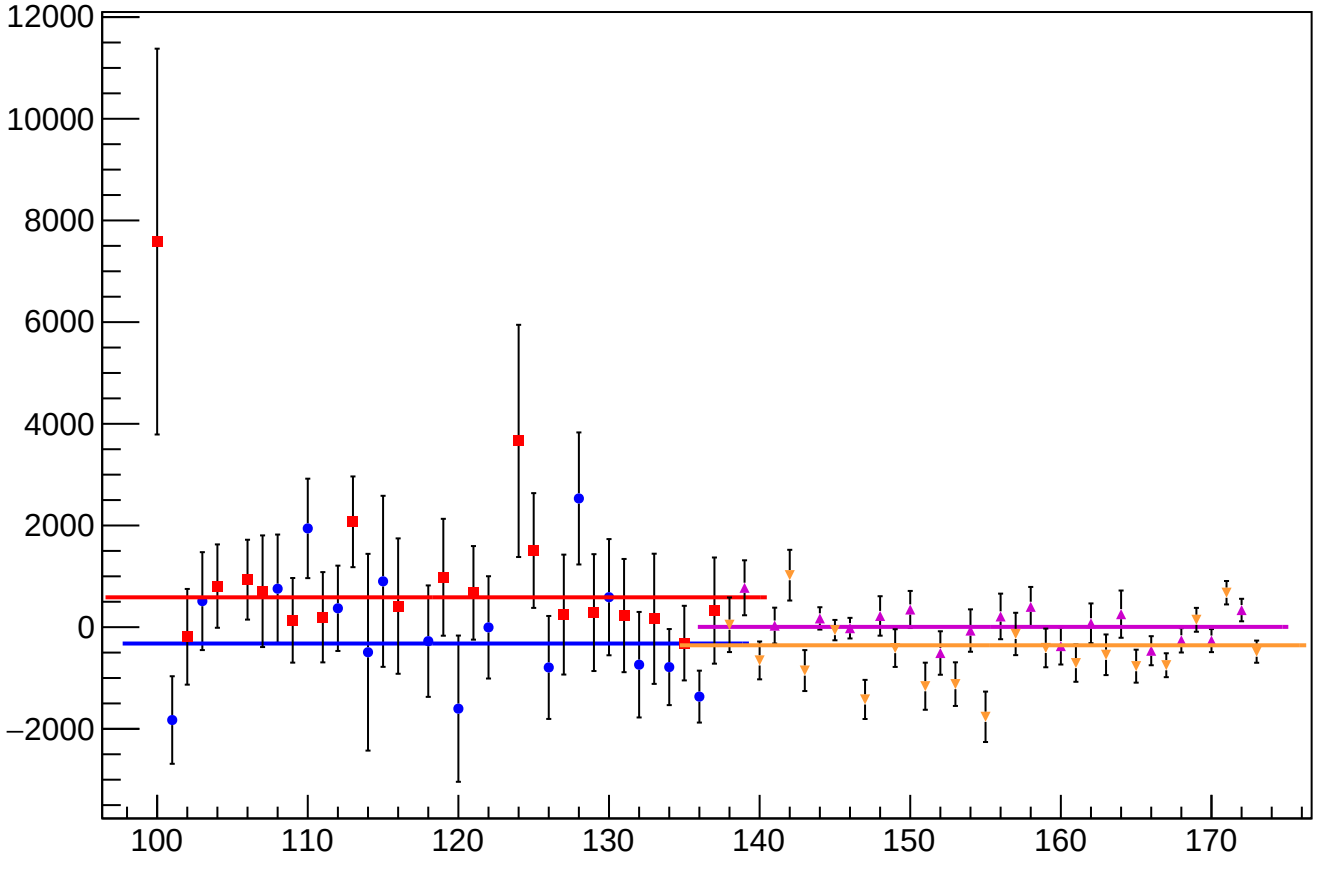
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 51.631+/-0.008 χ^2/NDF:1825517.0/32

Out: 51.053+/-0.008 χ^2/NDF:2111659.3/37

All: 51.332+/-0.006 χ^2/NDF: 3939780.1/70

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: -356.276+/-73.330 χ^2/NDF:65.4/18

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 5.639+/-74.162 χ^2/NDF:15.5/16

Left: -177.362+/-52.144 χ^2/NDF: 92.9/35

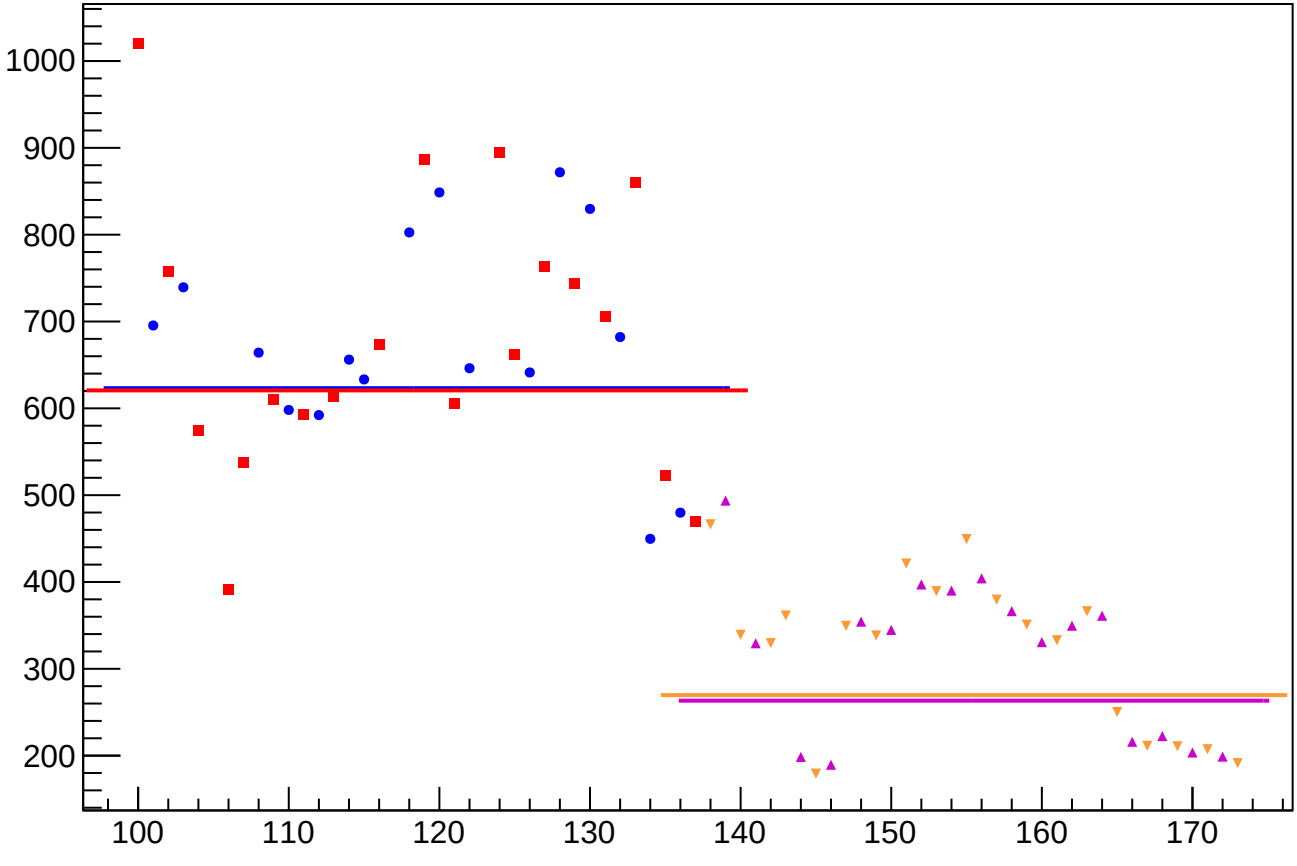
Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: -23.222+/-70.817 χ^2/NDF:39.9/32

Out: -271.959+/-69.976 χ^2/NDF:92.3/37

All: -149.075+/-49.775 χ^2/NDF: 138.5/70

asym_sam_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 269.694+/-0.052 χ^2/NDF:2733293.4/18

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 263.297+/-0.052 χ^2/NDF:2476883.3/16

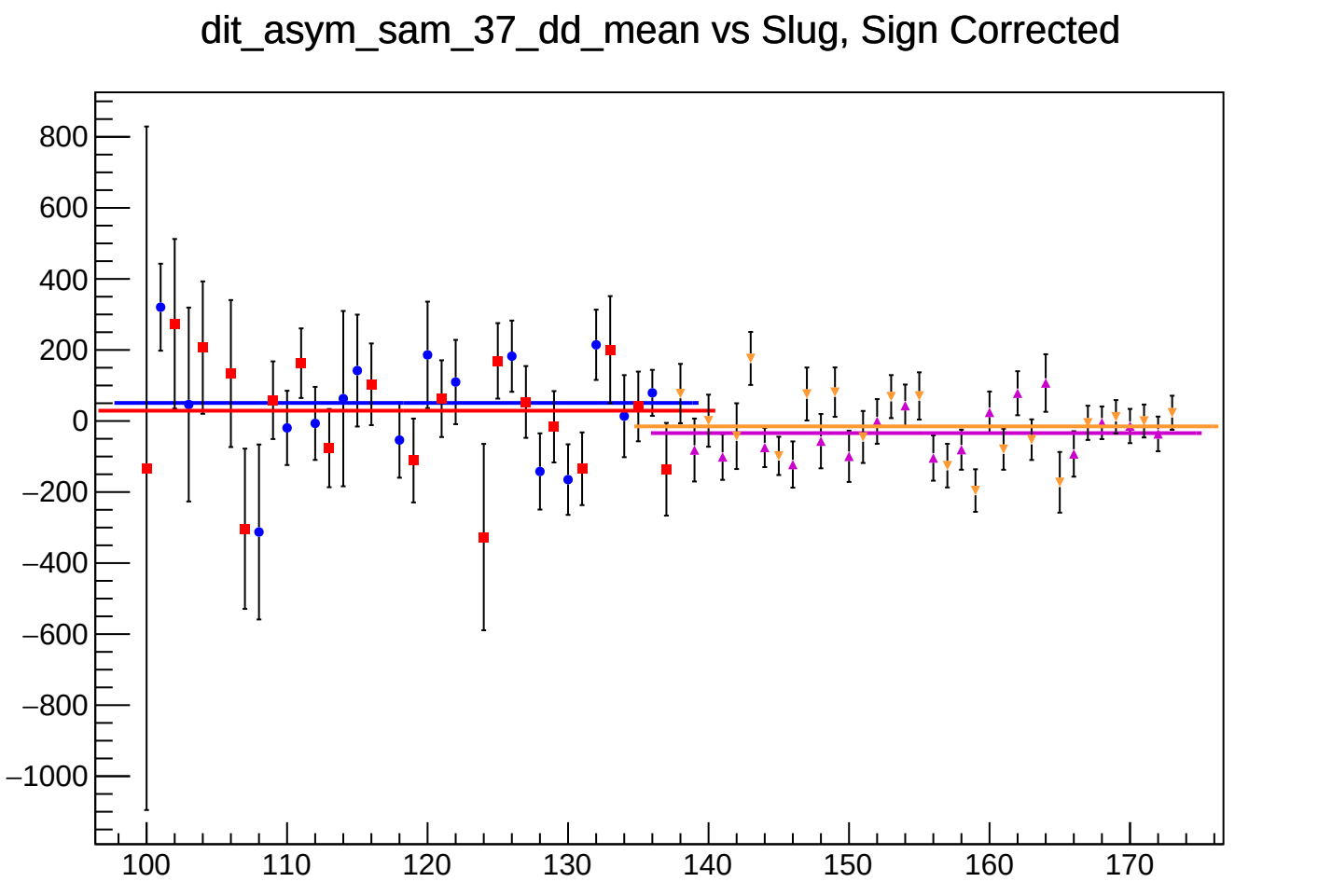
Left: 266.532+/-0.037 χ^2/NDF: 5217700.0/35

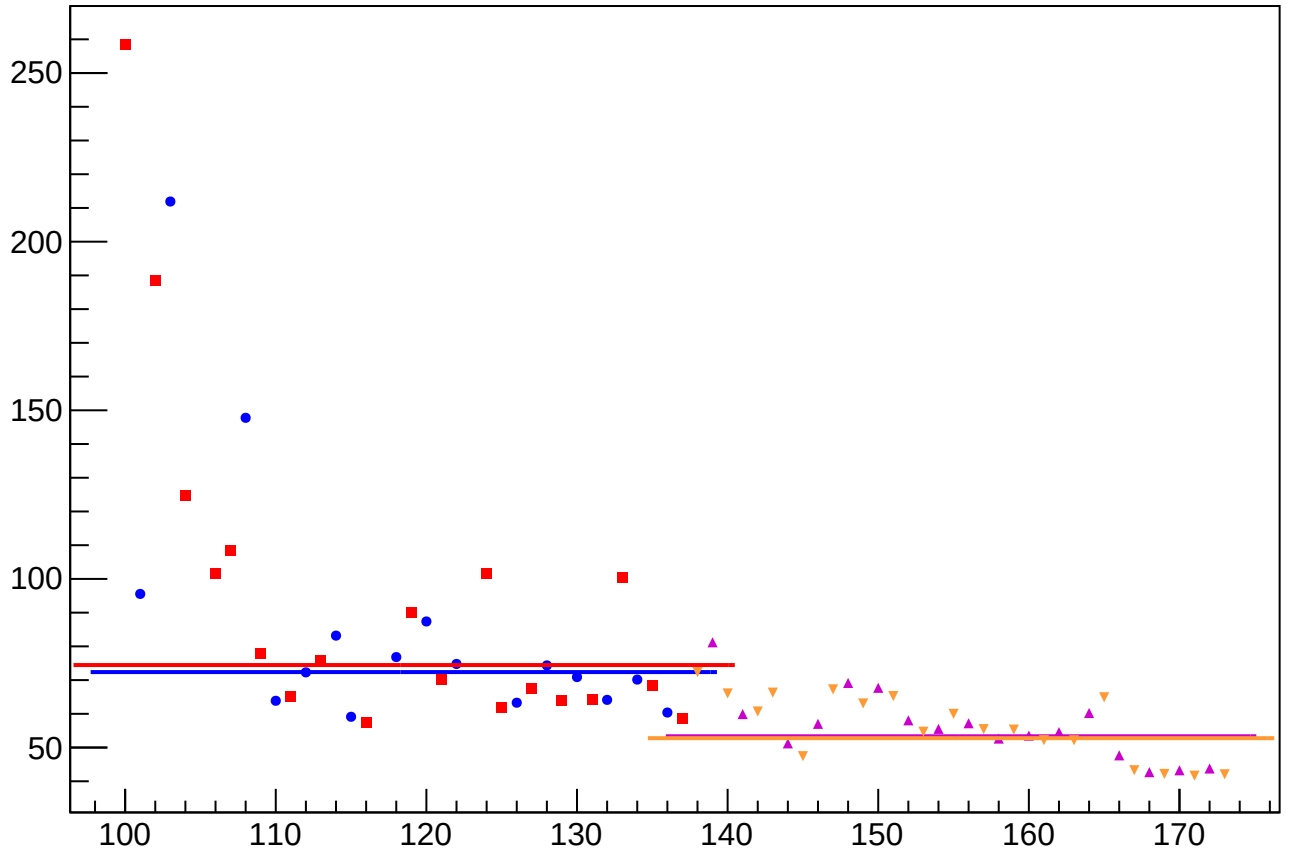
Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 295.031+/-0.050 χ^2/NDF:7195362.5/32

Out: 301.060+/-0.049 χ^2/NDF:7438380.3/37

All: 298.081+/-0.035 χ^2/NDF: 14641076.0/70


dit_asym_sam_37_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
Right In: 50.840+/-28.316 χ²/NDF: 22.9/15
Left Out: -15.132+/-13.983 χ²/NDF:36.0/18
Right Out: 29.040+/-28.910 χ²/NDF: 18.5/18
Left In: -34.078+/-14.644 χ²/NDF:17.2/16
Left: -24.168+/-10.113 χ²/NDF: 54.1/35
Right: 40.166+/-20.229 χ²/NDF: 41.7/34
In: -16.159+/-13.007 χ²/NDF:47.2/32
Out: -6.758+/-12.588 χ²/NDF:56.4/37
All: -11.305+/-9.046 χ²/NDF: 103.9/70



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 52.773+/-0.010 χ^2/NDF:921029.3/18

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 53.343+/-0.010 χ^2/NDF:717357.2/16

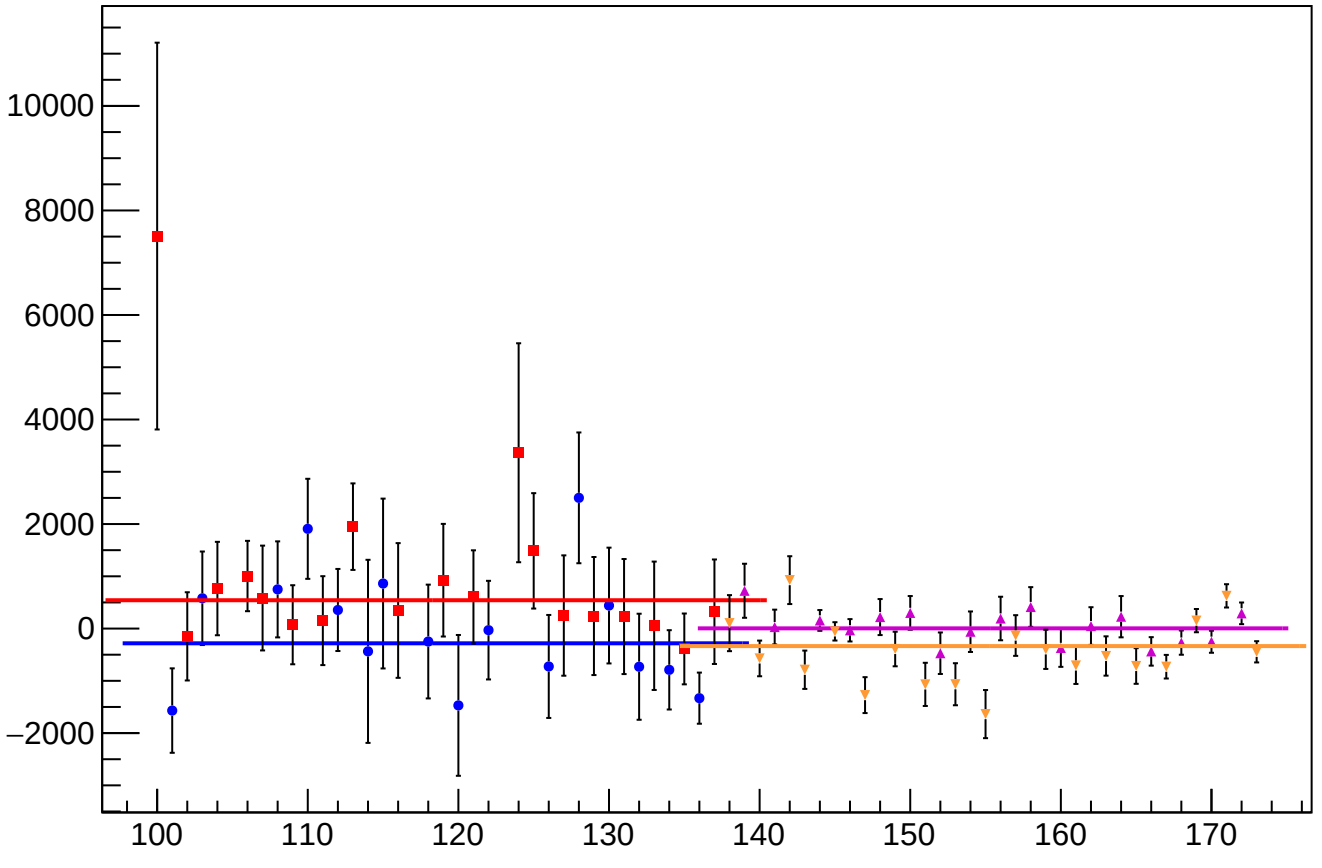
Left: 53.045+/-0.007 χ^2/NDF: 1639970.3/35

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 57.359+/-0.009 χ^2/NDF:2368608.2/32

Out: 56.885+/-0.009 χ^2/NDF:2885737.9/37

All: 57.114+/-0.006 χ^2/NDF: 5255719.6/70



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -335.254+/-68.573 χ^2/NDF:64.4/18

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 3.996+/-70.177 χ^2/NDF:15.4/16

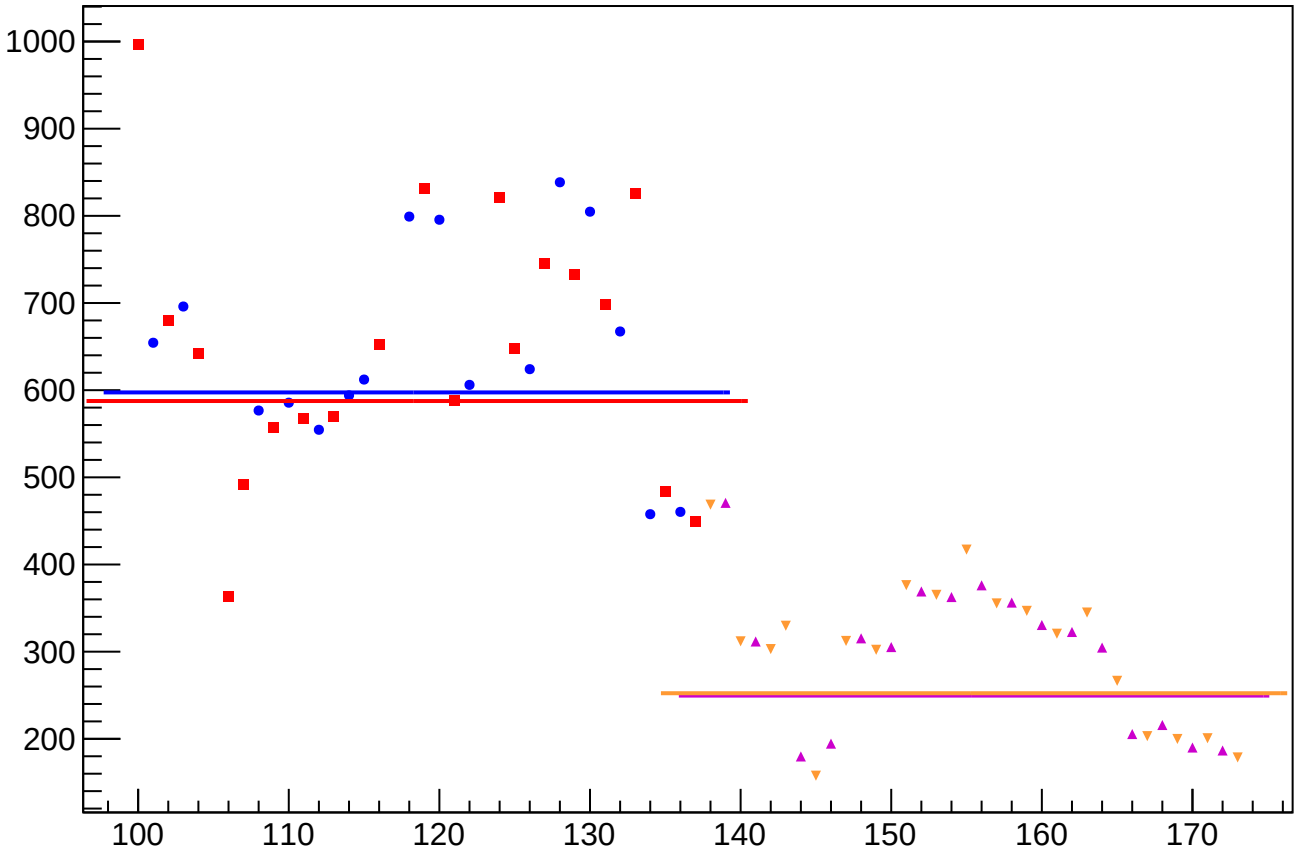
Left: -169.551+/-49.046 χ^2/NDF: 91.7/35

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: -20.799+/-67.066 χ^2/NDF:39.6/32

Out: -258.150+/-65.490 χ^2/NDF:92.0/37

All: -142.296+/-46.856 χ^2/NDF: 138.1/70



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 252.323+/-0.048 χ^2/NDF:2824796.2/18

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 249.616+/-0.050 χ^2/NDF:2299800.5/16

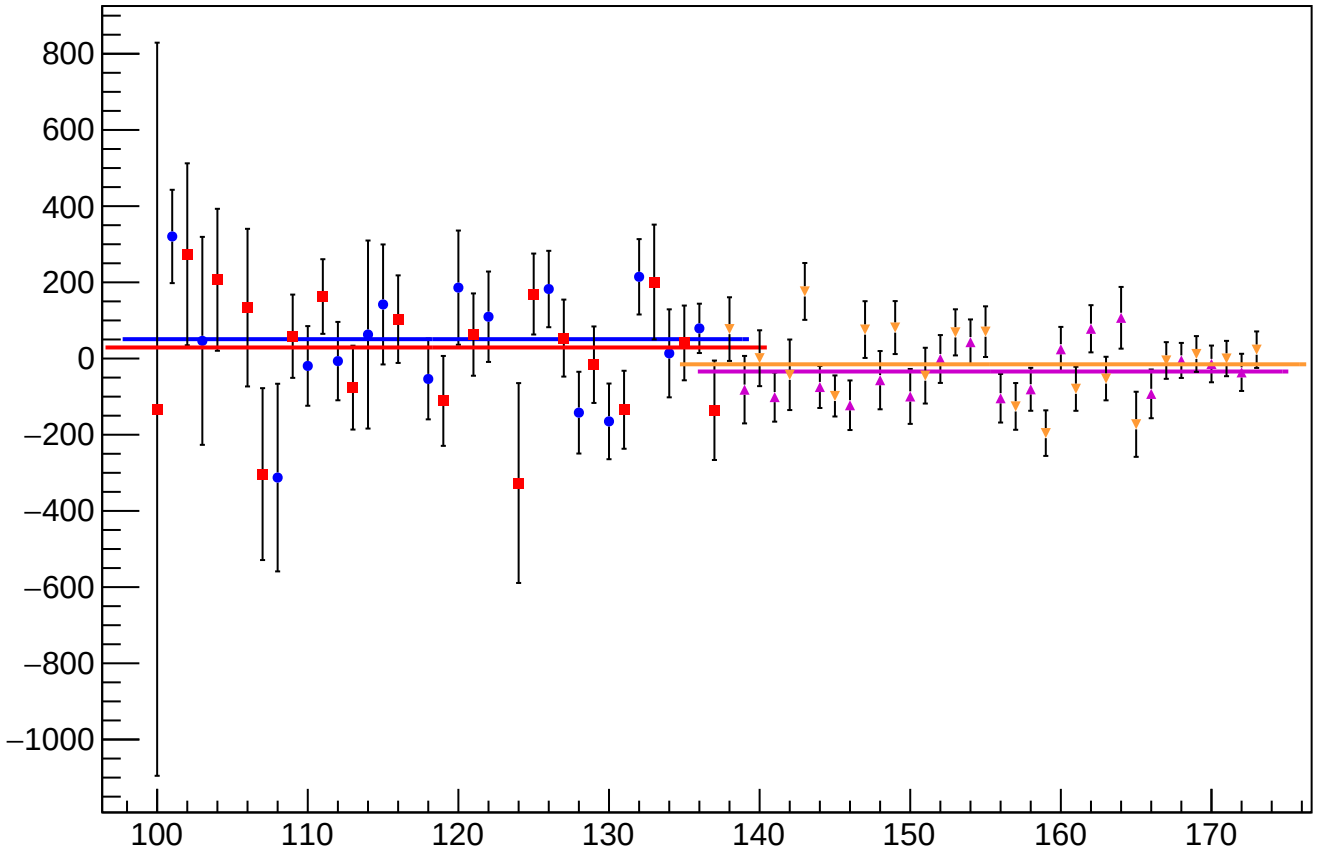
Left: 251.001+/-0.035 χ^2/NDF: 5126119.0/35

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 279.767+/-0.047 χ^2/NDF:7092505.4/32

Out: 281.788+/-0.046 χ^2/NDF:7715158.5/37

All: 280.801+/-0.033 χ^2/NDF: 14808593.3/70



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -15.131+/-13.983 χ^2/NDF:36.0/18

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -34.079+/-14.644 χ^2/NDF:17.2/16

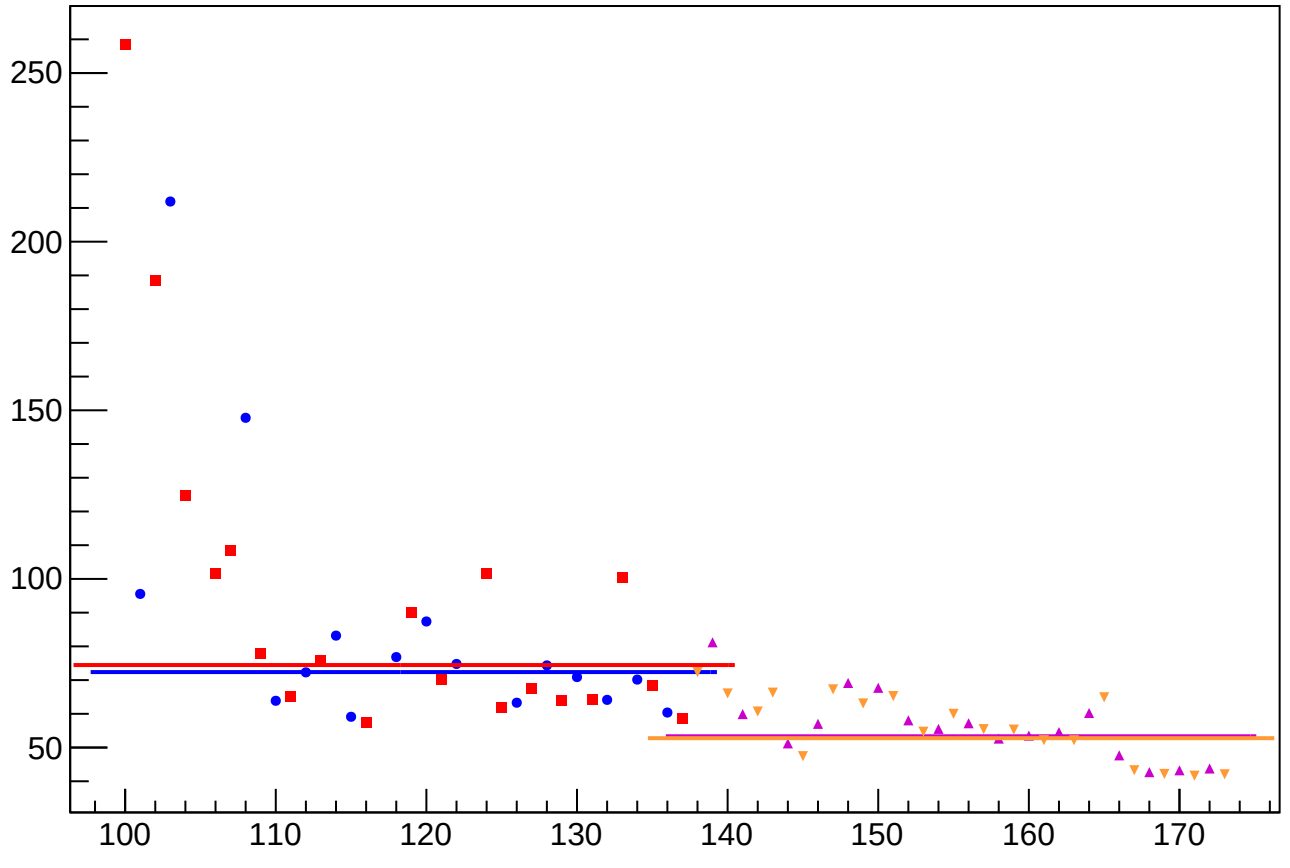
Left: -24.167+/-10.113 χ^2/NDF: 54.1/35

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -16.159+/-13.007 χ^2/NDF:47.2/32

Out: -6.758+/-12.588 χ^2/NDF:56.4/37

All: -11.304+/-9.046 χ^2/NDF: 103.9/70



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 52.773+/-0.010 χ^2/NDF:921052.0/18

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 53.343+/-0.010 χ^2/NDF:717365.8/16

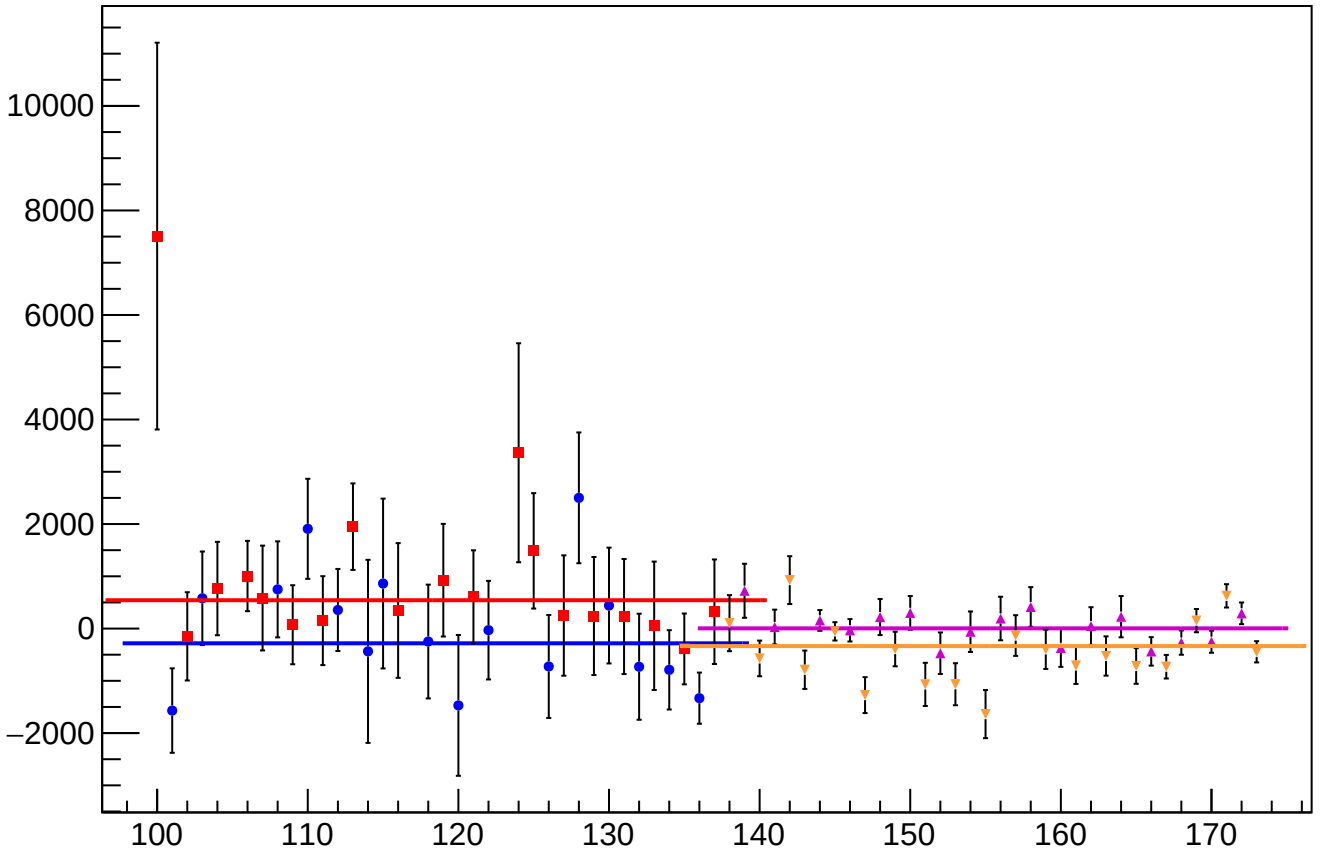
Left: 53.045+/-0.007 χ^2/NDF: 1640001.5/35

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 57.360+/-0.009 χ^2/NDF:2368604.6/32

Out: 56.885+/-0.009 χ^2/NDF:2885740.1/37

All: 57.115+/-0.006 χ^2/NDF: 5255718.2/70



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -335.255+/-68.573 χ^2/NDF:64.4/18

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 3.996+/-70.177 χ^2/NDF:15.4/16

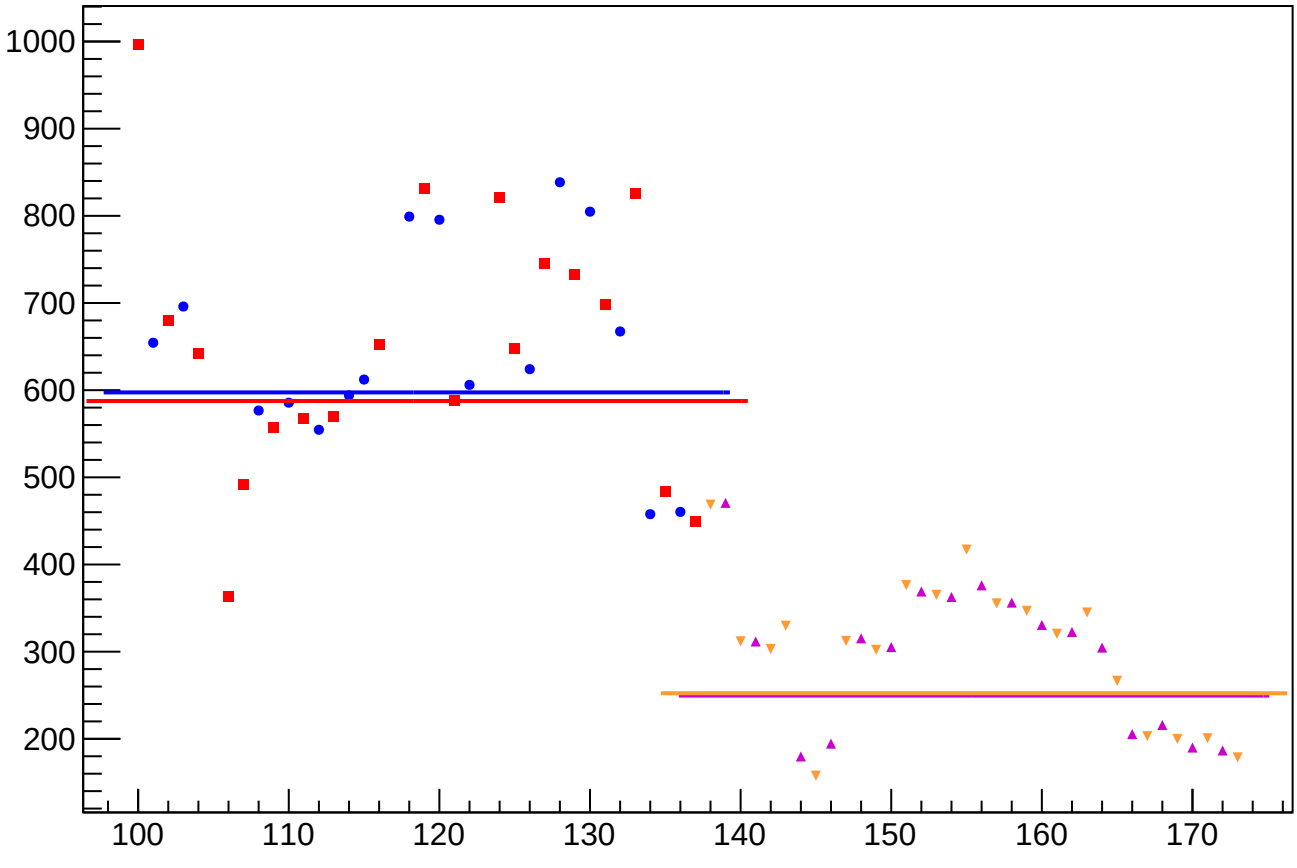
Left: -169.551+/-49.046 χ^2/NDF: 91.7/35

Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: -20.799+/-67.066 χ^2/NDF:39.6/32

Out: -258.150+/-65.490 χ^2/NDF:92.0/37

All: -142.297+/-46.856 χ^2/NDF: 138.1/70



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 252.323+/-0.048 χ^2/NDF:2824786.2/18

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 249.616+/-0.050 χ^2/NDF:2299793.7/16

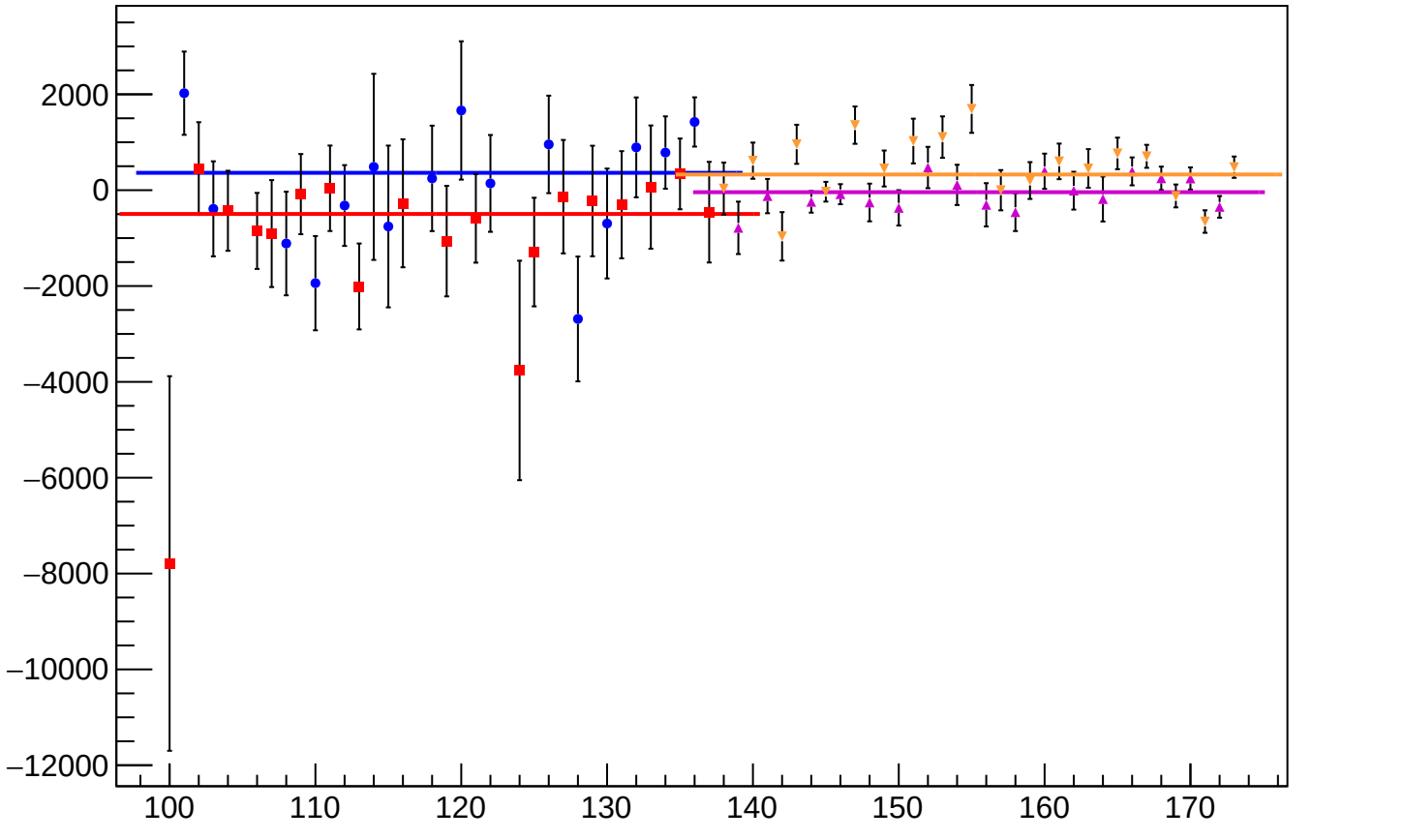
Left: 251.001+/-0.035 χ^2/NDF: 5126102.5/35

Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 279.767+/-0.047 χ^2/NDF:7092507.2/32

Out: 281.787+/-0.046 χ^2/NDF:7715147.6/37

All: 280.801+/-0.033 χ^2/NDF: 14808584.3/70



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 327.108+/-74.569 χ^2/NDF:60.0/18

Right Out: -496.639+/-236.029 χ^2/NDF: 12.7/18

Left In: -41.898+/-75.582 χ^2/NDF:15.4/16

Left: 145.095+/-53.083 χ^2/NDF: 87.4/35

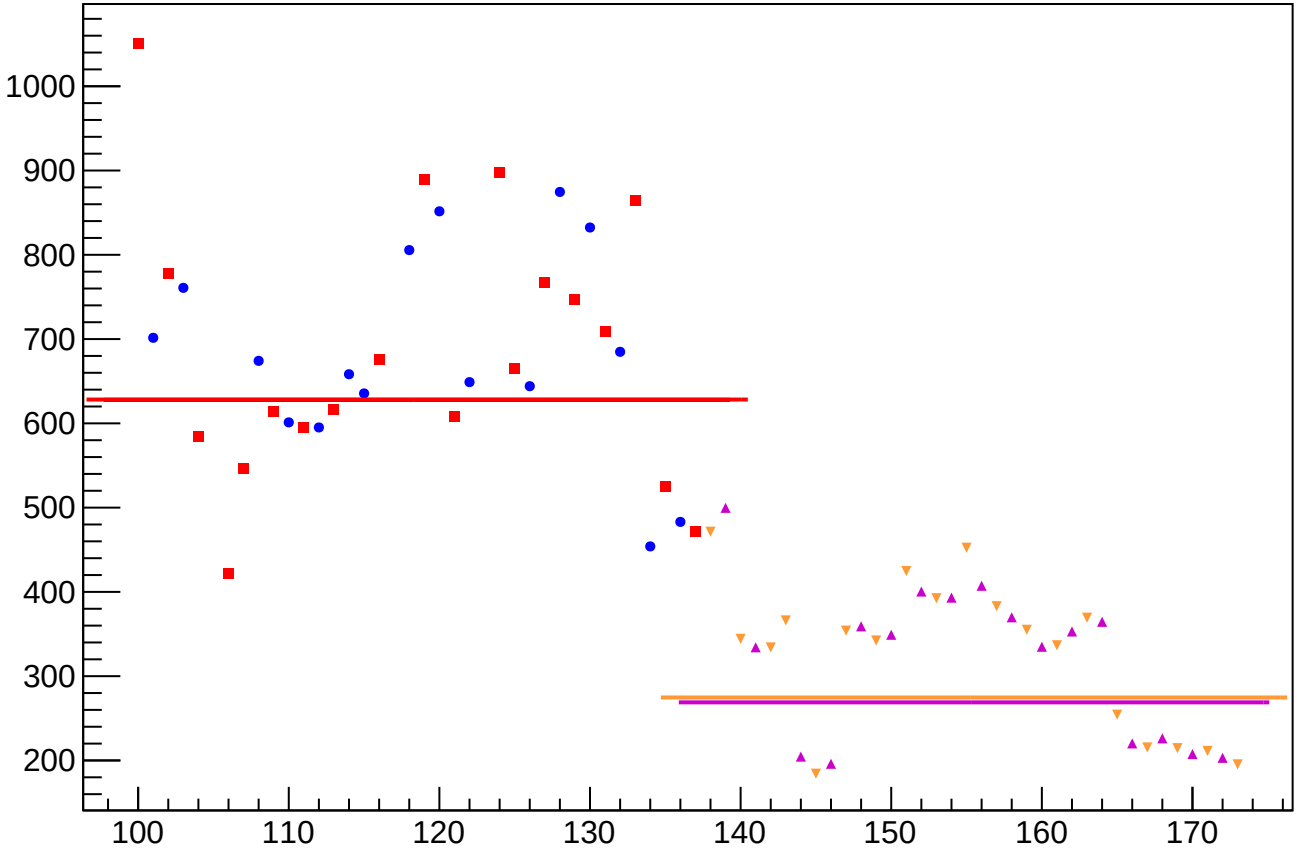
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -5.503+/-72.100 χ^2/NDF:43.0/32

Out: 252.350+/-71.105 χ^2/NDF:83.8/37

All: 125.215+/-50.627 χ^2/NDF: 133.2/70

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 274.724+/-0.053 χ^2/NDF:2643006.6/18

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 268.953+/-0.053 χ^2/NDF:2372363.3/16

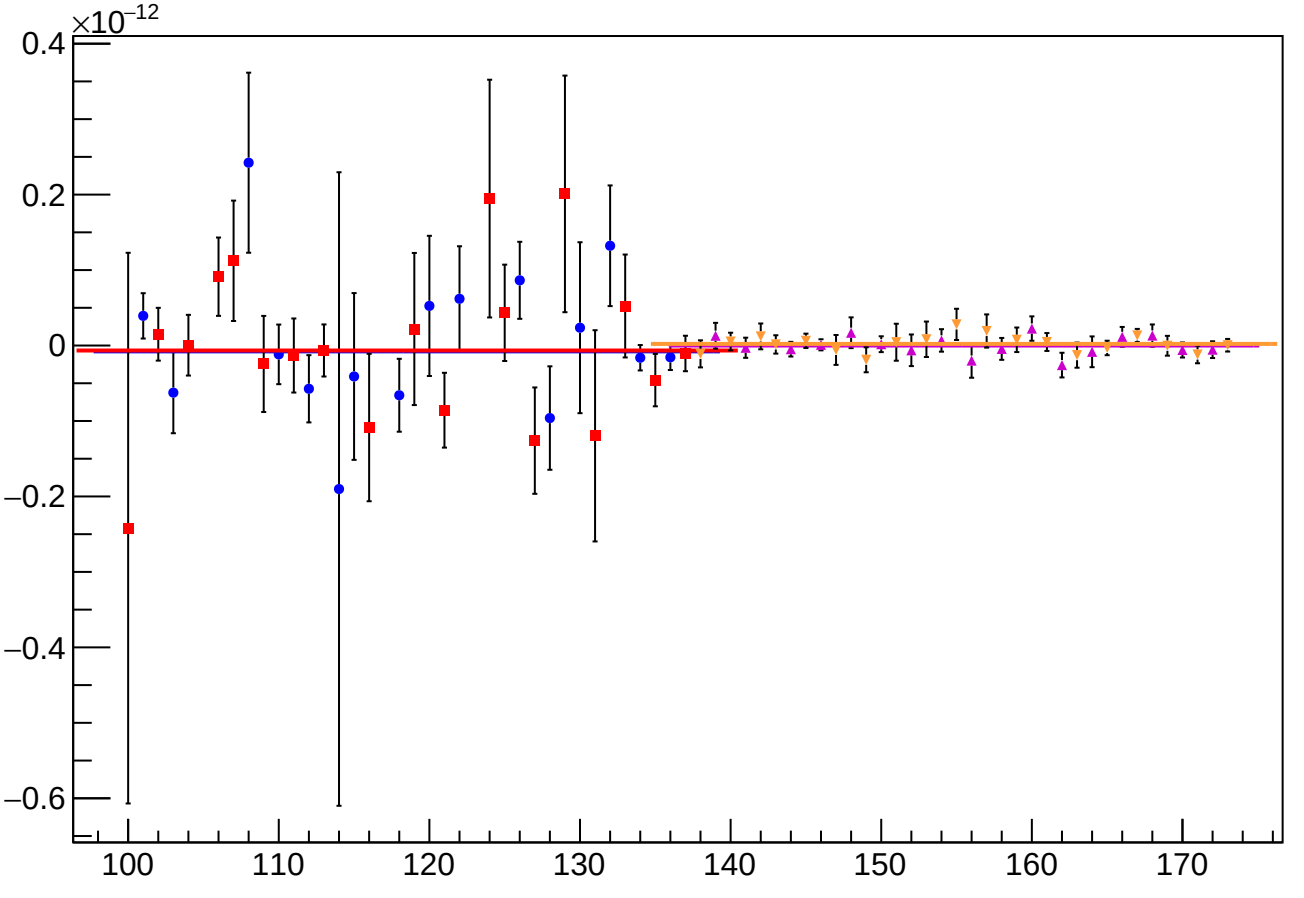
Left: 271.877+/-0.038 χ^2/NDF: 5021277.2/35

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 301.266+/-0.051 χ^2/NDF:6999777.4/32

Out: 306.808+/-0.050 χ^2/NDF:7293652.4/37

All: 304.075+/-0.036 χ^2/NDF: 14299419.1/70



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.6/16

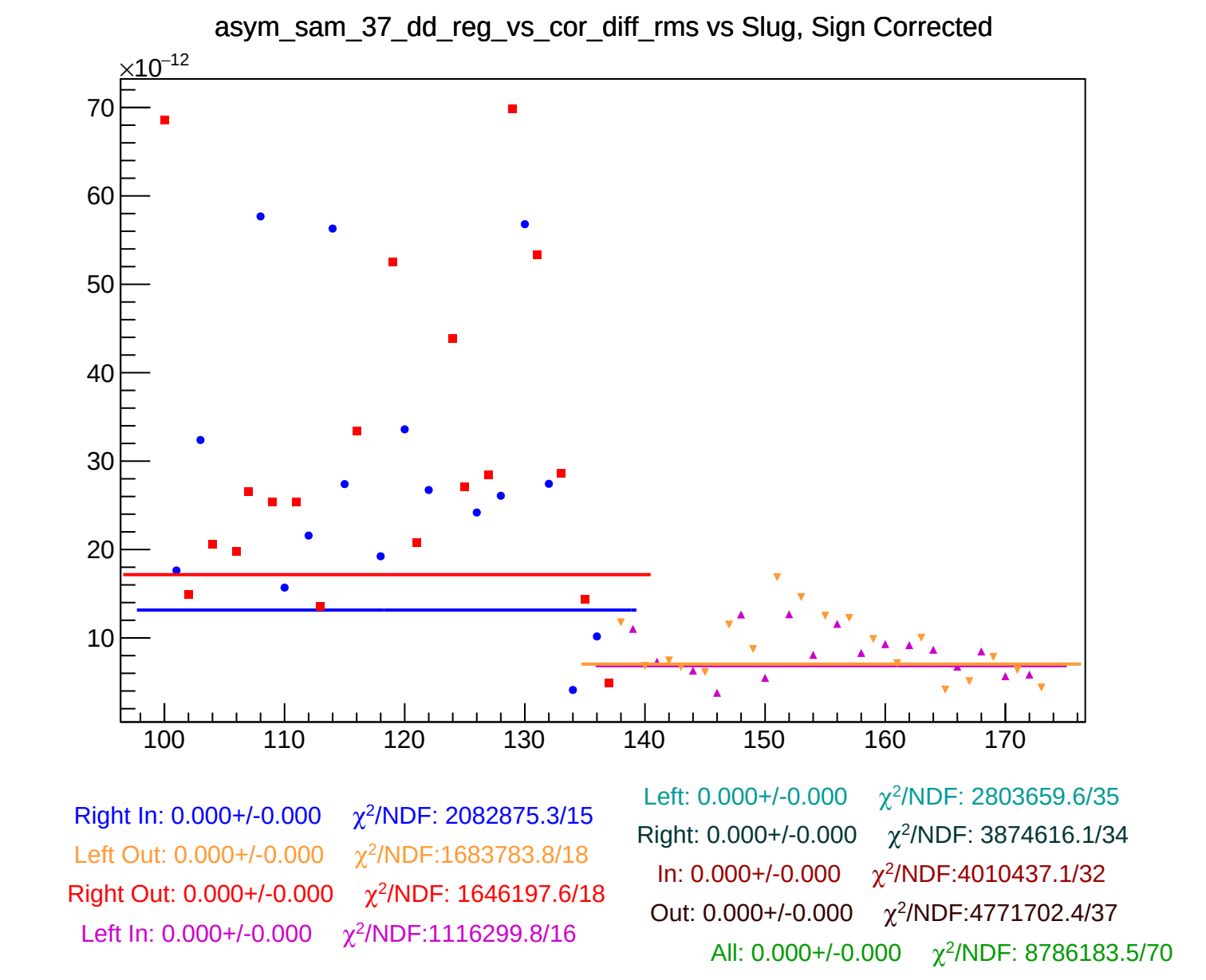
Left: 0.000+/-0.000 χ^2/NDF: 19.4/35

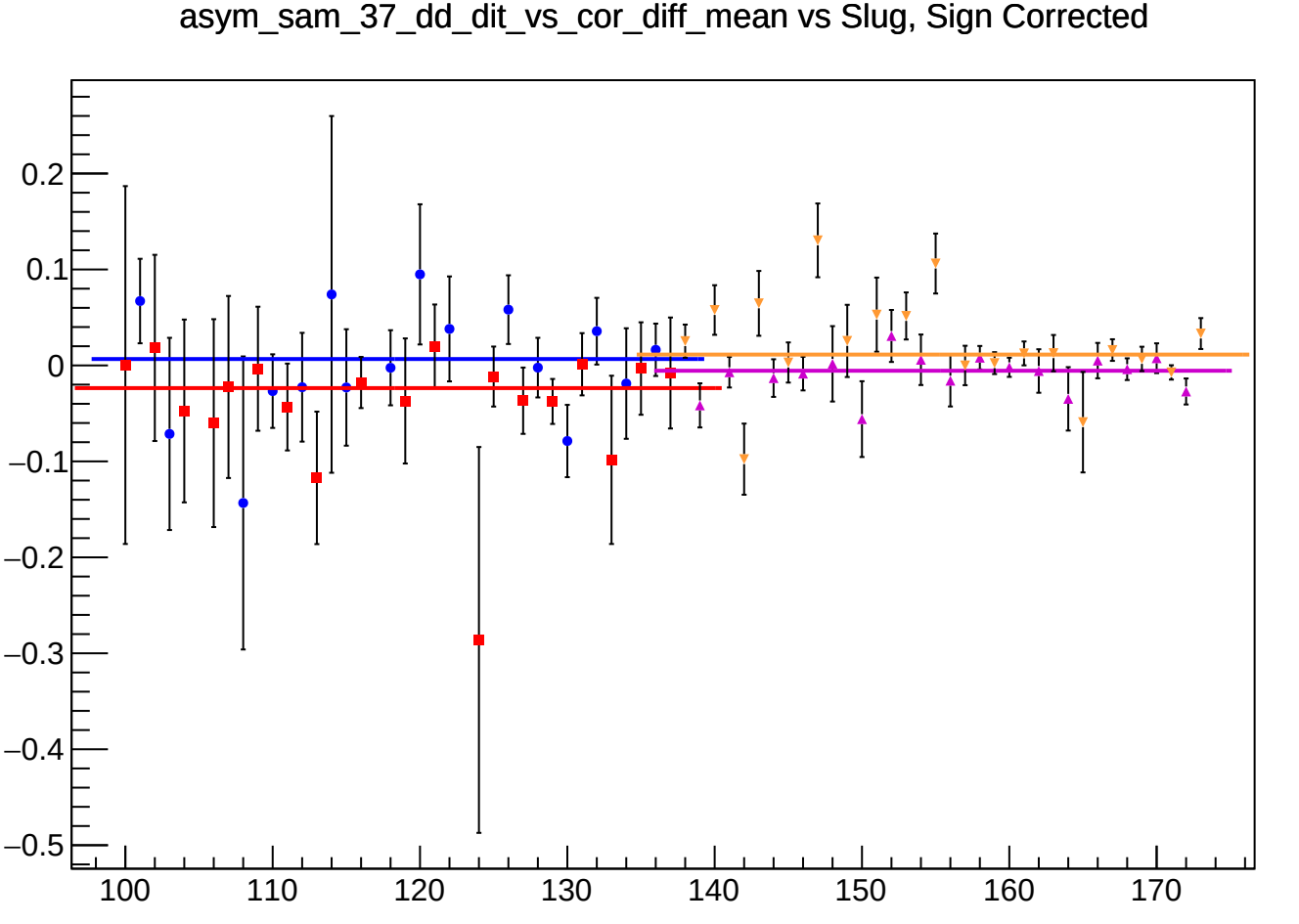
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:31.1/32

Out: 0.000+/-0.000 χ^2/NDF:30.2/37

All: 0.000+/-0.000 χ^2/NDF: 61.6/70


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1683783.8/18
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:1116299.8/16
Left: 0.000+/-0.000 χ²/NDF: 2803659.6/35
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:4010437.1/32
Out: 0.000+/-0.000 χ²/NDF:4771702.4/37
All: 0.000+/-0.000 χ²/NDF: 8786183.5/70



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.011+/-0.004 χ^2/NDF:49.0/18

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.006+/-0.004 χ^2/NDF:12.2/16

Left: 0.004+/-0.003 χ^2/NDF: 70.1/35

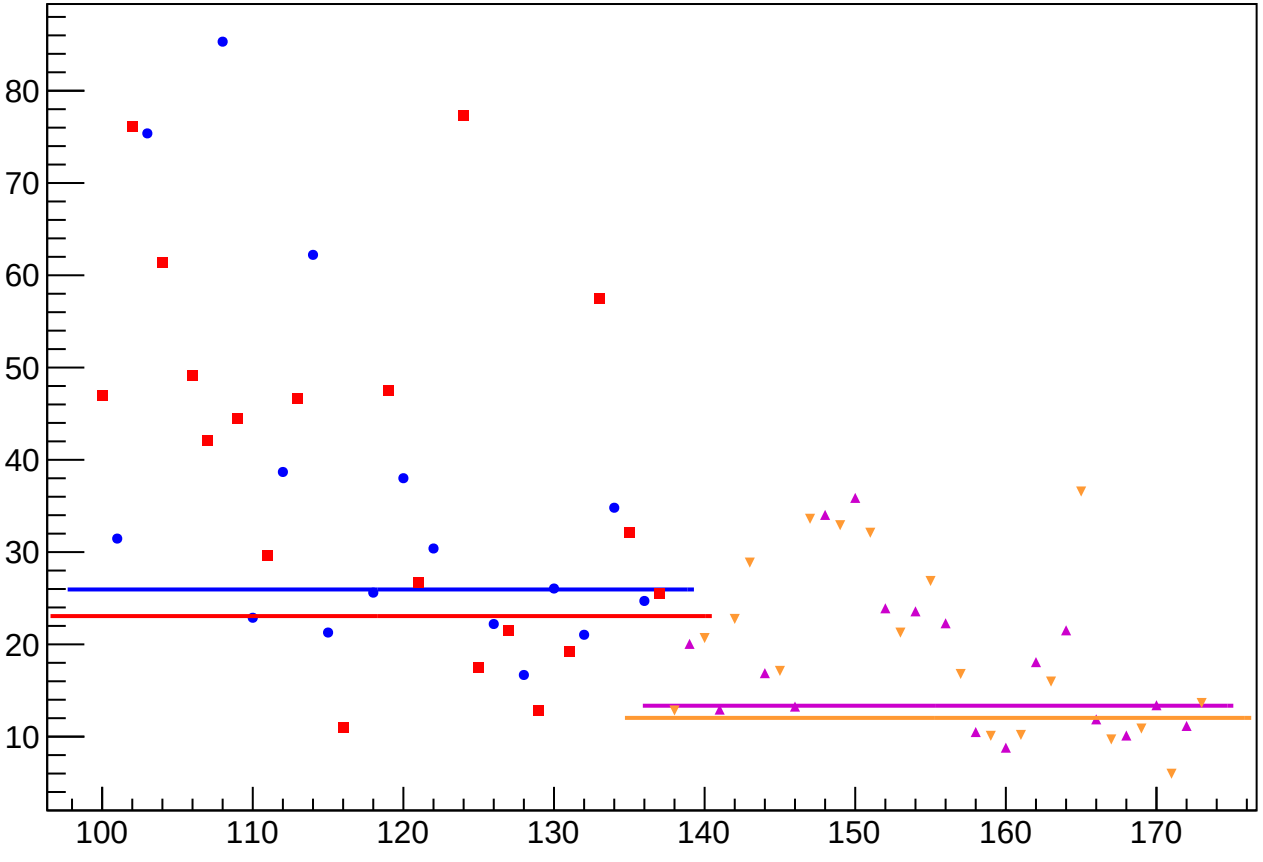
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.004+/-0.004 χ^2/NDF:28.3/32

Out: 0.007+/-0.004 χ^2/NDF:66.3/37

All: 0.002+/-0.003 χ^2/NDF: 99.1/70

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.032+/-0.003 χ^2/NDF:5698061.1/18

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.351+/-0.003 χ^2/NDF:3229122.7/16

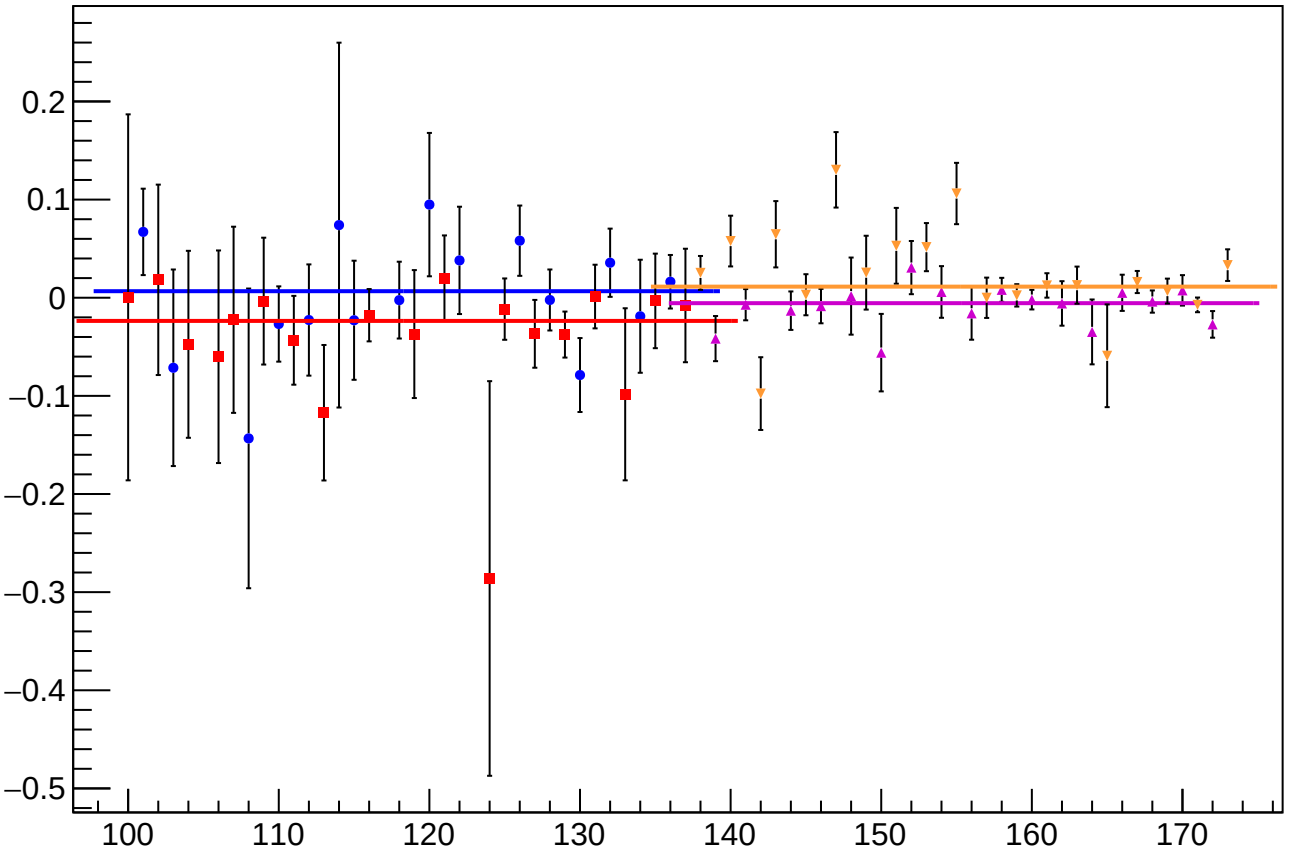
Left: 12.630+/-0.002 χ^2/NDF: 9035774.4/35

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 14.918+/-0.003 χ^2/NDF:6866787.0/32

Out: 13.315+/-0.003 χ^2/NDF:11009744.8/37

All: 14.045+/-0.002 χ^2/NDF: 18059205.7/70



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.011+/-0.004 χ^2/NDF:49.0/18

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.006+/-0.004 χ^2/NDF:12.2/16

Left: 0.004+/-0.003 χ^2/NDF: 70.1/35

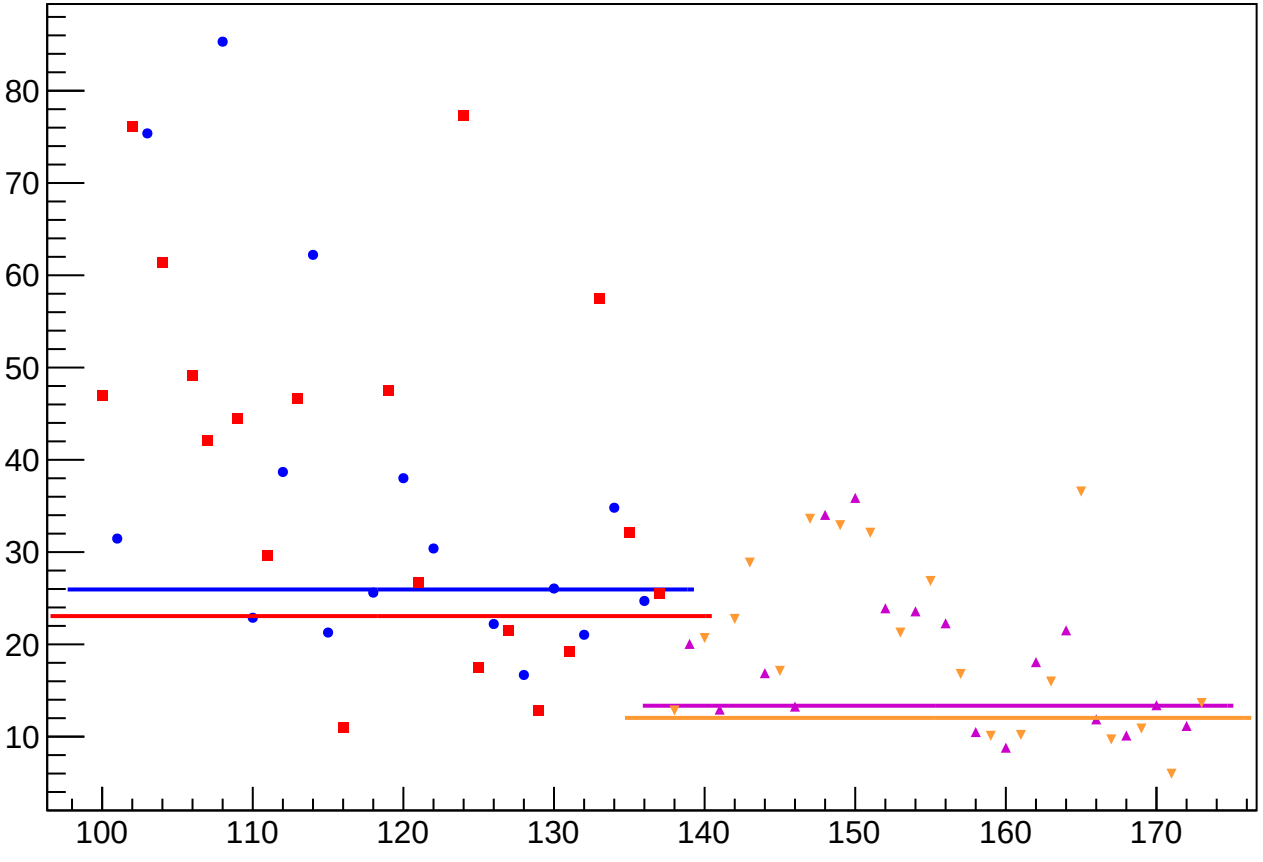
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.004+/-0.004 χ^2/NDF:28.3/32

Out: 0.007+/-0.004 χ^2/NDF:66.3/37

All: 0.002+/-0.003 χ^2/NDF: 99.1/70

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: 12.032+/-0.003 χ^2/NDF:5698061.1/18

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.351+/-0.003 χ^2/NDF:3229122.7/16

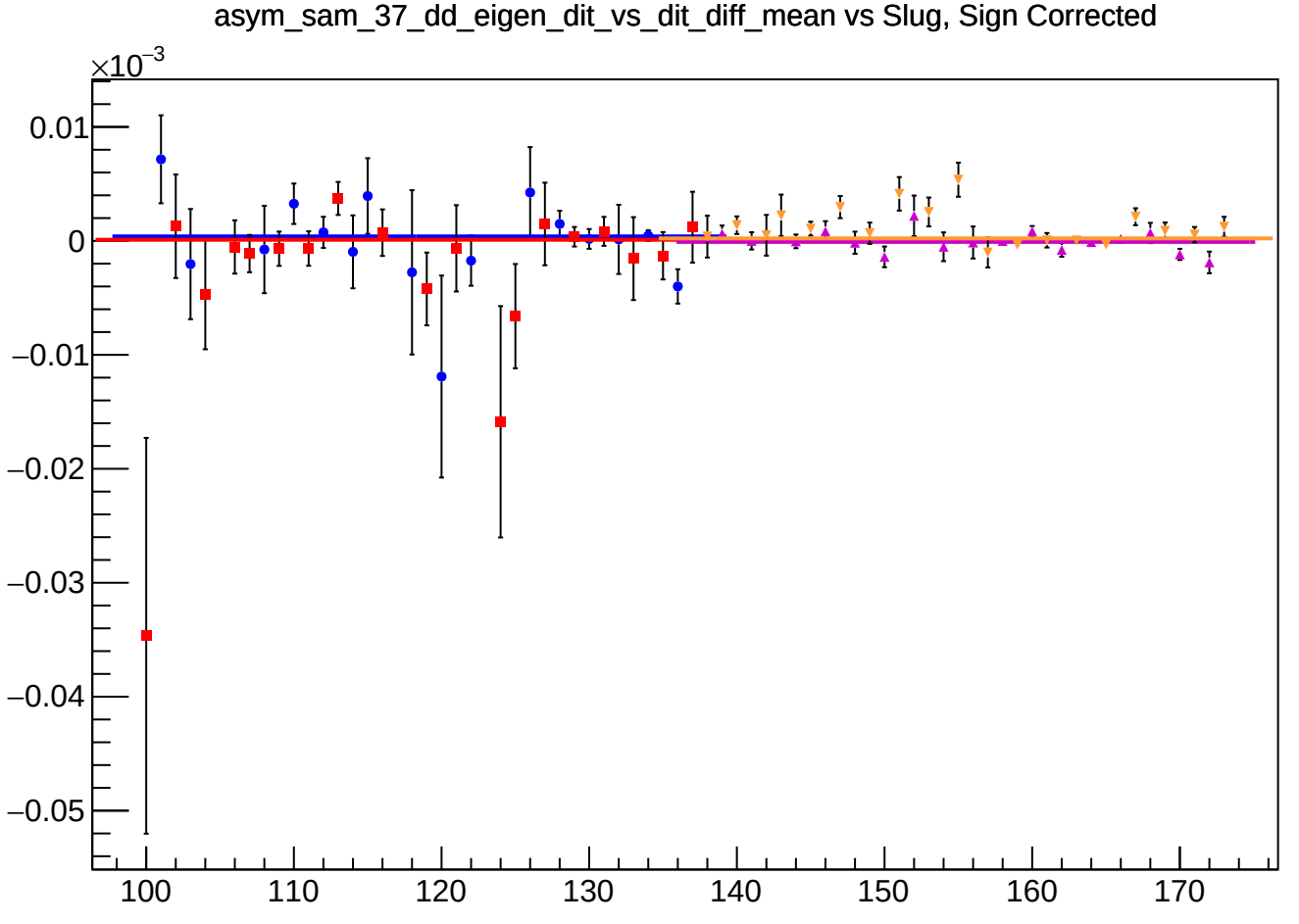
Left: 12.630+/-0.002 χ^2/NDF: 9035774.4/35

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 14.918+/-0.003 χ^2/NDF:6866787.0/32

Out: 13.315+/-0.003 χ^2/NDF:11009744.8/37

All: 14.045+/-0.002 χ^2/NDF: 18059205.7/70



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:54.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:21.1/16

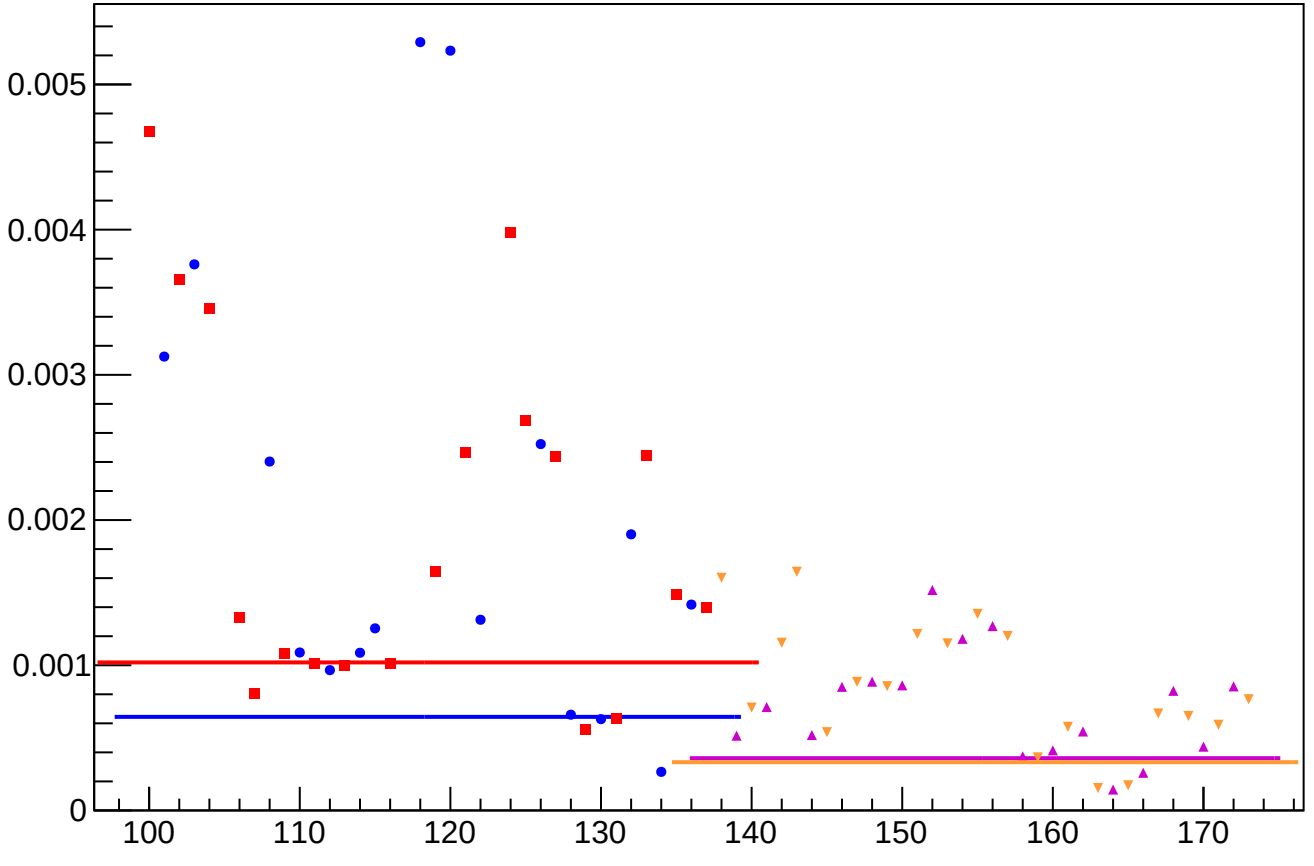
Left: 0.000+/-0.000 χ^2/NDF: 79.0/35

Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: -0.000+/-0.000 χ^2/NDF:43.8/32

Out: 0.000+/-0.000 χ^2/NDF:75.1/37

All: 0.000+/-0.000 χ^2/NDF: 121.1/70



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12496986.6/18

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9135980.9/16

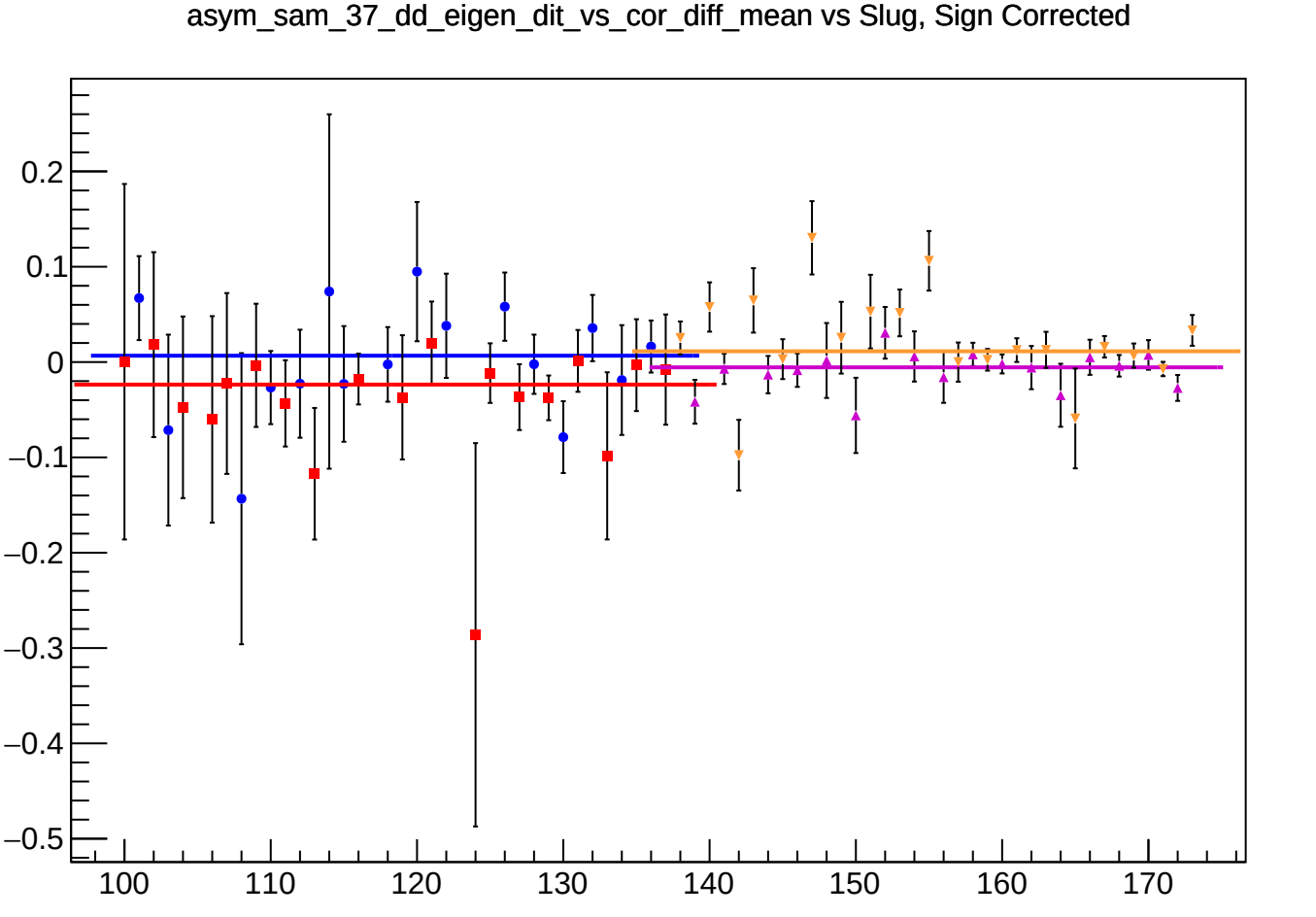
Left: 0.000+/-0.000 χ^2/NDF: 21686227.4/35

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.000+/-0.000 χ^2/NDF:16949129.8/32

Out: 0.000+/-0.000 χ^2/NDF:20531799.5/37

All: 0.000+/-0.000 χ^2/NDF: 37506592.6/70



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.011+/-0.004 χ^2/NDF:49.0/18

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.006+/-0.004 χ^2/NDF:12.2/16

Left: 0.004+/-0.003 χ^2/NDF: 70.1/35

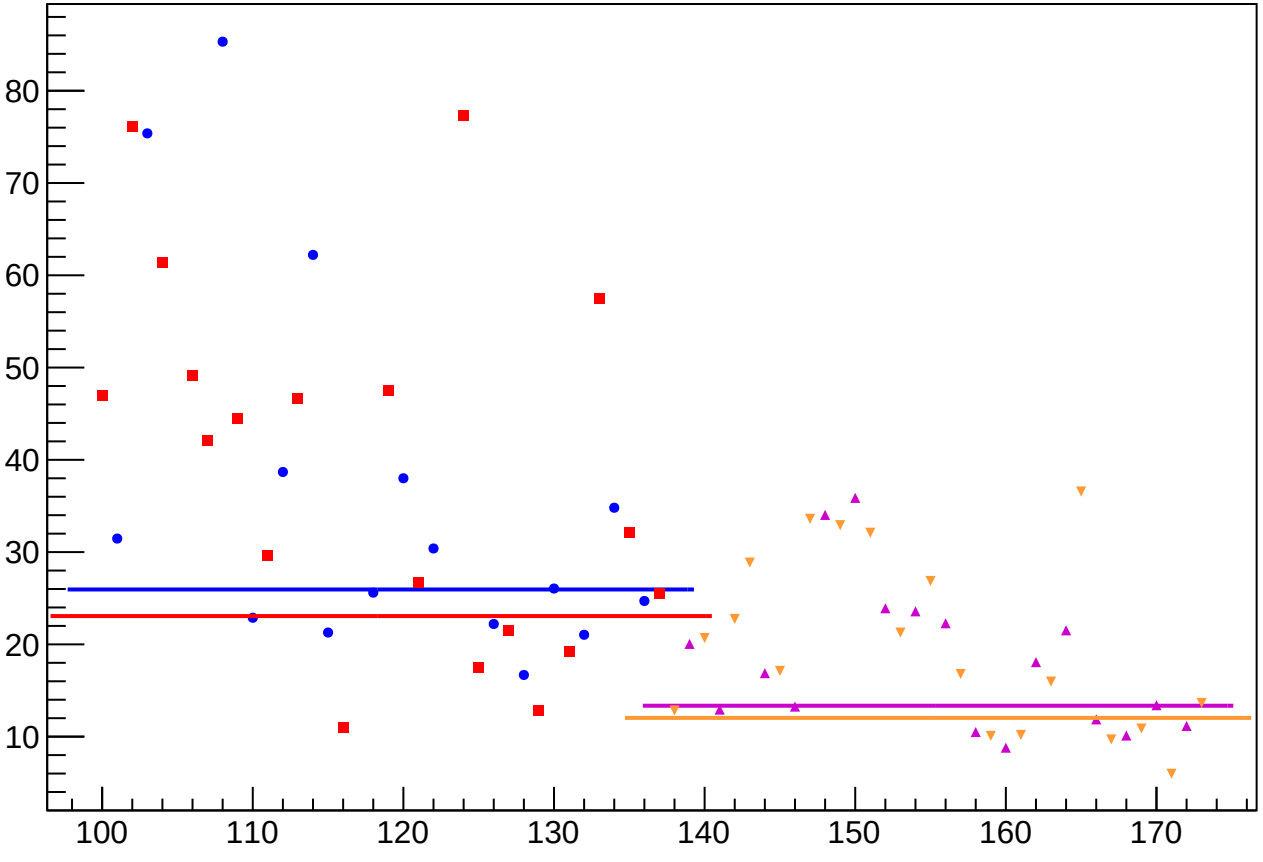
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.004+/-0.004 χ^2/NDF:28.3/32

Out: 0.007+/-0.004 χ^2/NDF:66.3/37

All: 0.002+/-0.003 χ^2/NDF: 99.1/70

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: 12.032+/-0.003 χ^2/NDF:5698276.2/18

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.351+/-0.003 χ^2/NDF:3229251.5/16

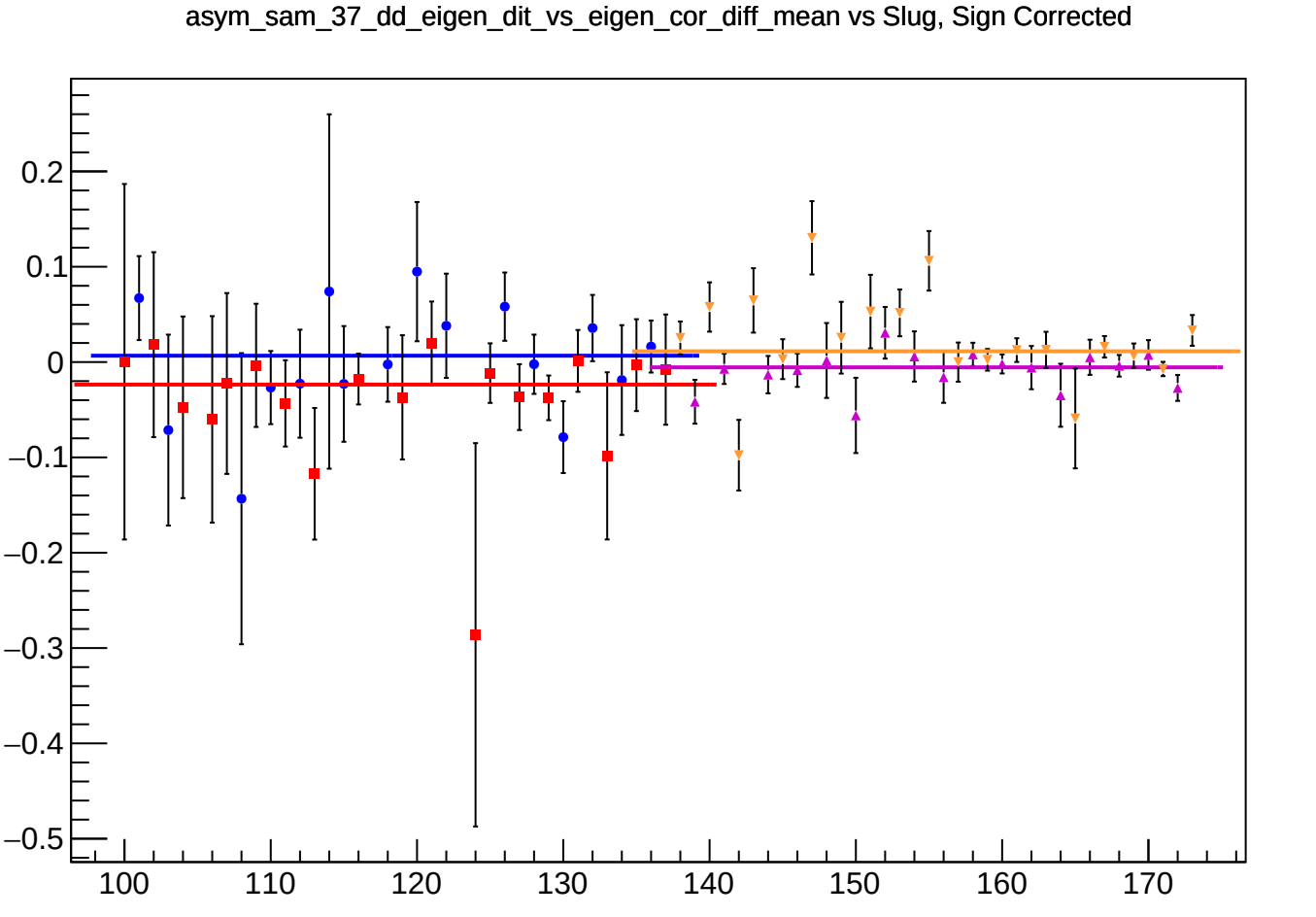
Left: 12.630+/-0.002 χ^2/NDF: 9036113.7/35

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 14.918+/-0.003 χ^2/NDF:6866913.1/32

Out: 13.315+/-0.003 χ^2/NDF:11009869.1/37

All: 14.045+/-0.002 χ^2/NDF: 18059447.9/70



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.011+/-0.004 χ^2/NDF:49.0/18

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.006+/-0.004 χ^2/NDF:12.2/16

Left: 0.004+/-0.003 χ^2/NDF: 70.1/35

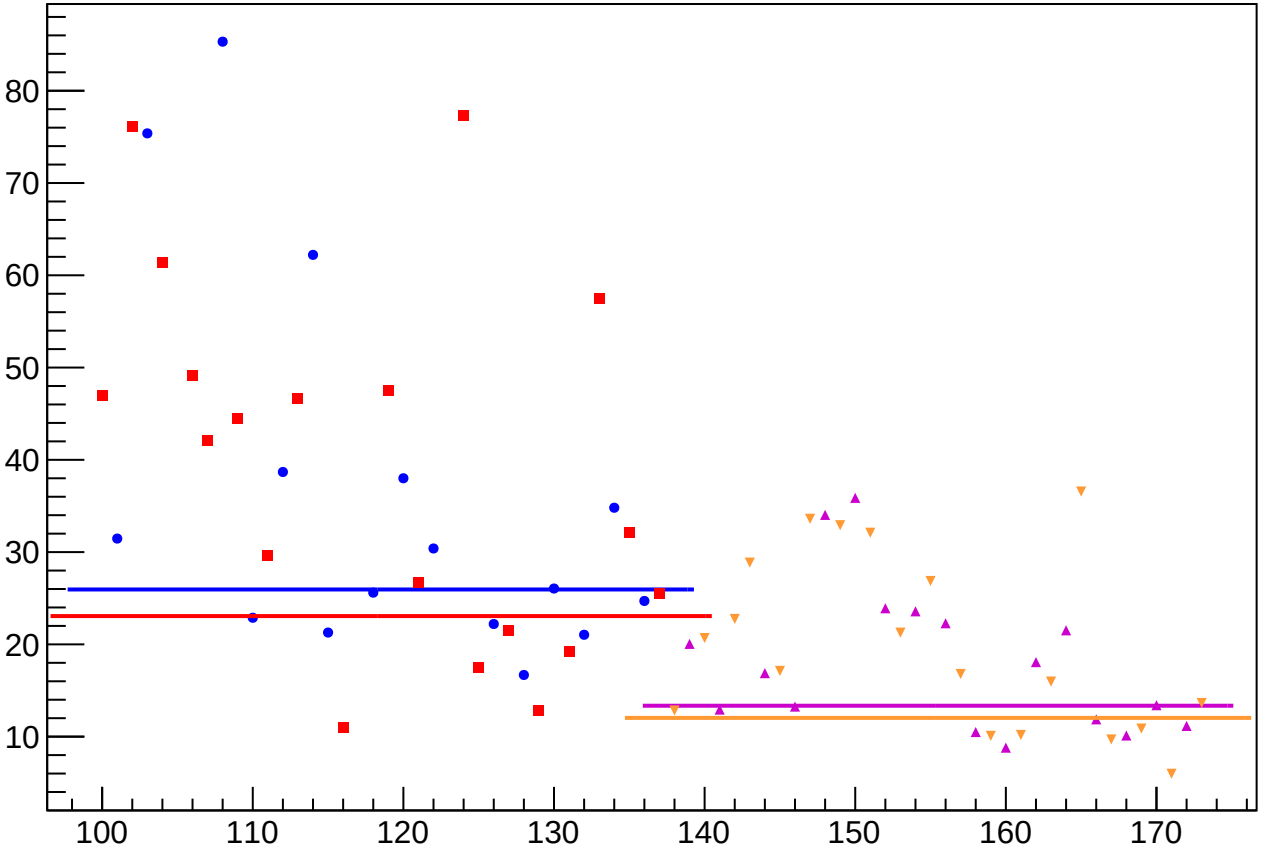
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.004+/-0.004 χ^2/NDF:28.3/32

Out: 0.007+/-0.004 χ^2/NDF:66.3/37

All: 0.002+/-0.003 χ^2/NDF: 99.1/70

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: 12.032+/-0.003 χ^2/NDF:5698276.2/18

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.351+/-0.003 χ^2/NDF:3229251.5/16

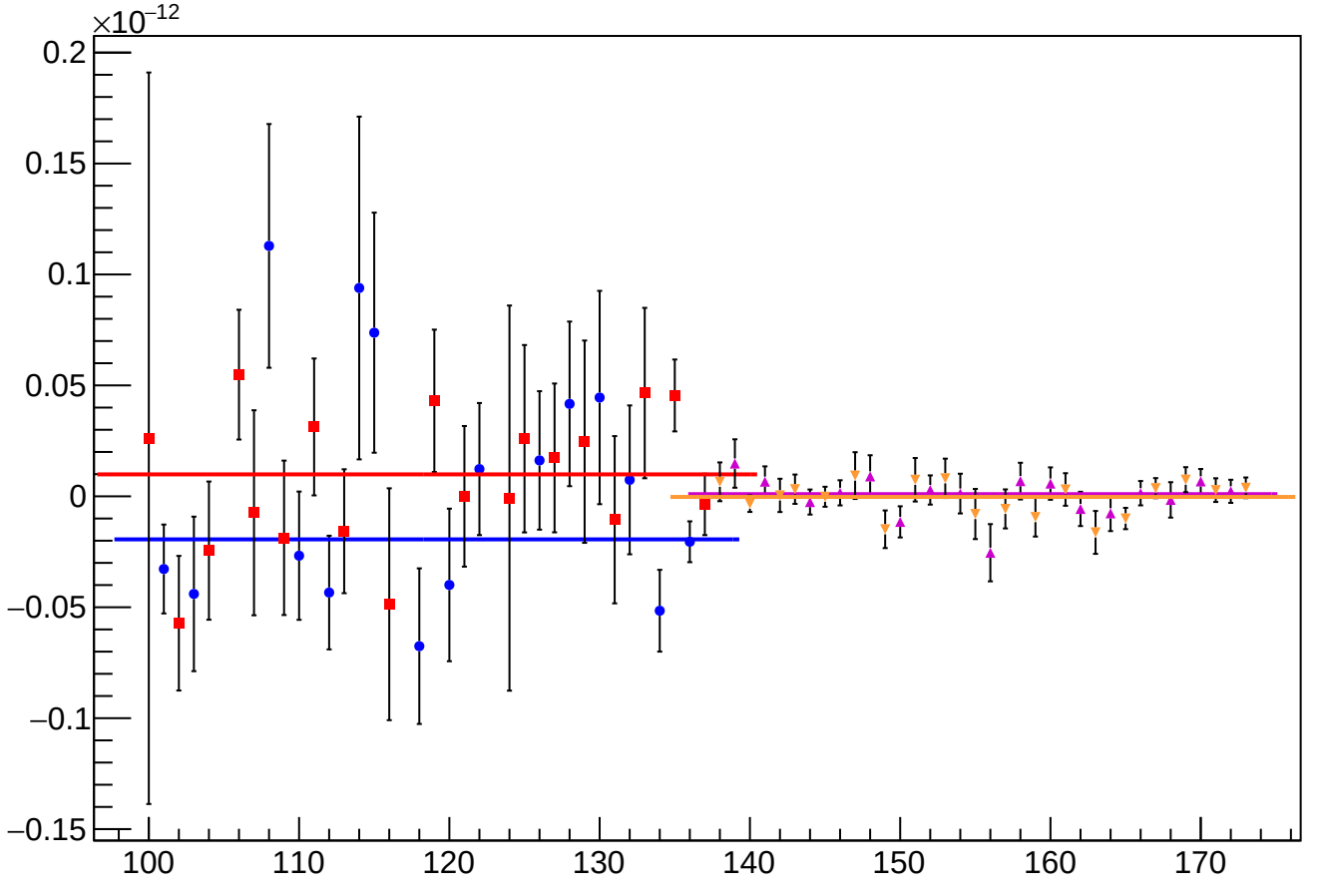
Left: 12.630+/-0.002 χ^2/NDF: 9036113.7/35

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 14.918+/-0.003 χ^2/NDF:6866913.1/32

Out: 13.315+/-0.003 χ^2/NDF:11009869.1/37

All: 14.045+/-0.002 χ^2/NDF: 18059447.9/70



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:14.9/16

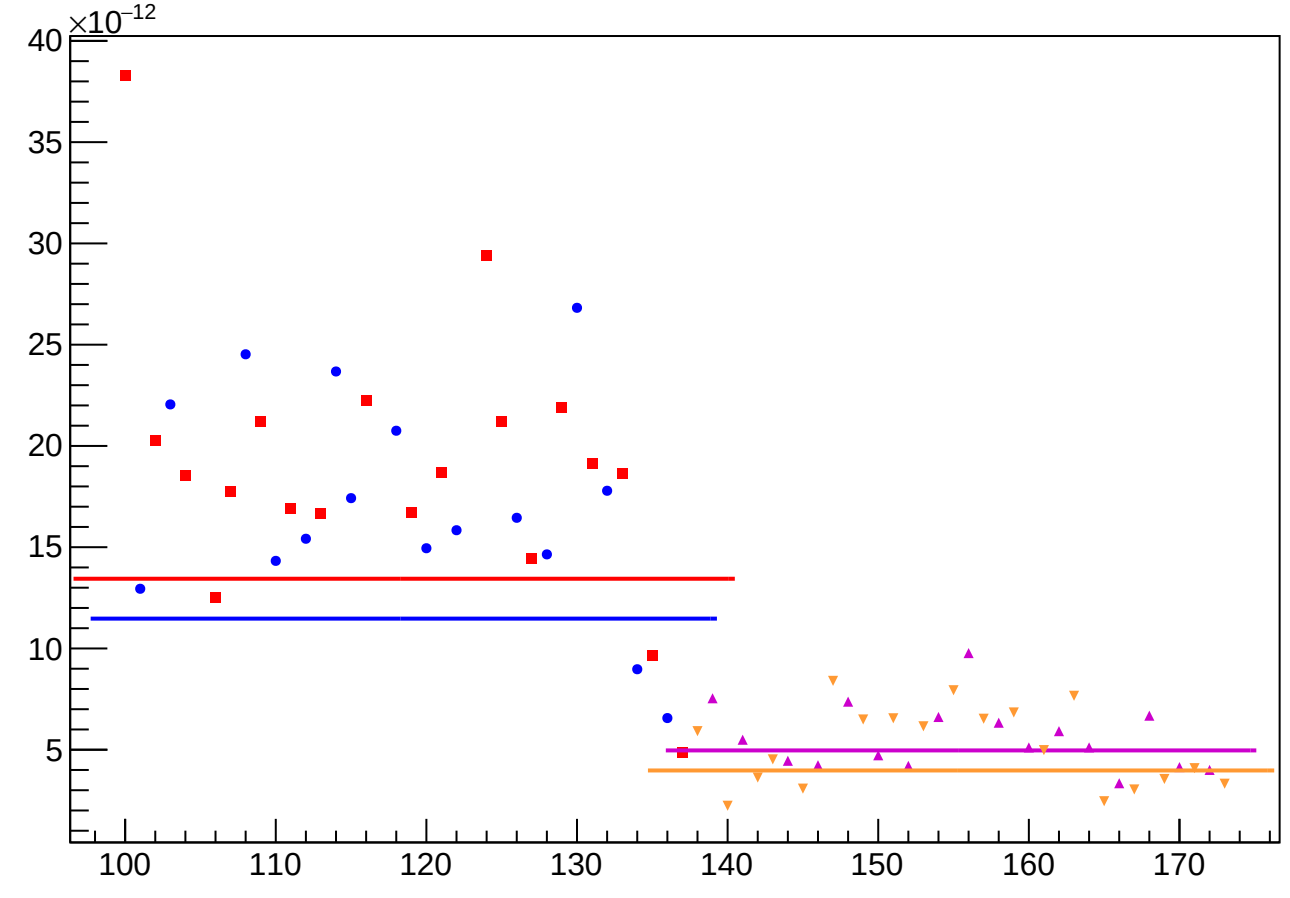
Left: 0.000+/-0.000 χ^2/NDF: 34.8/35

Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:51.1/32

Out: 0.000+/-0.000 χ^2/NDF:42.1/37

All: -0.000+/-0.000 χ^2/NDF: 93.3/70



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2713603.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1140629.2/16

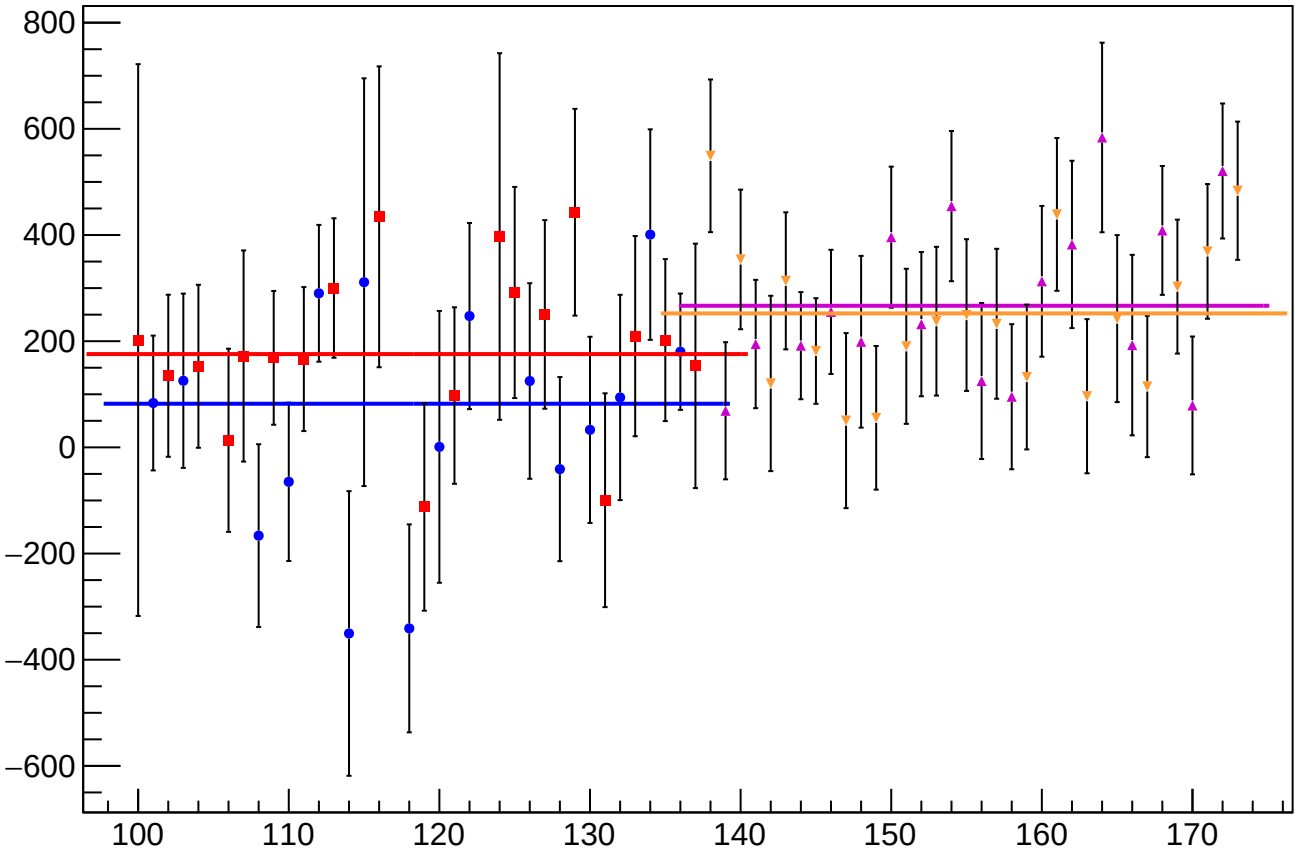
Left: 0.000+/-0.000 χ^2/NDF: 4252997.5/35

Right: 0.000+/-0.000 χ^2/NDF: 3365640.7/34

In: 0.000+/-0.000 χ^2/NDF:4897021.2/32

Out: 0.000+/-0.000 χ^2/NDF:8121909.7/37

All: 0.000+/-0.000 χ^2/NDF: 13507855.5/70



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 252.360+/-31.270 χ^2/NDF:18.9/18

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 266.747+/-32.555 χ^2/NDF:20.1/16

Left: 259.264+/-22.552 χ^2/NDF: 39.1/35

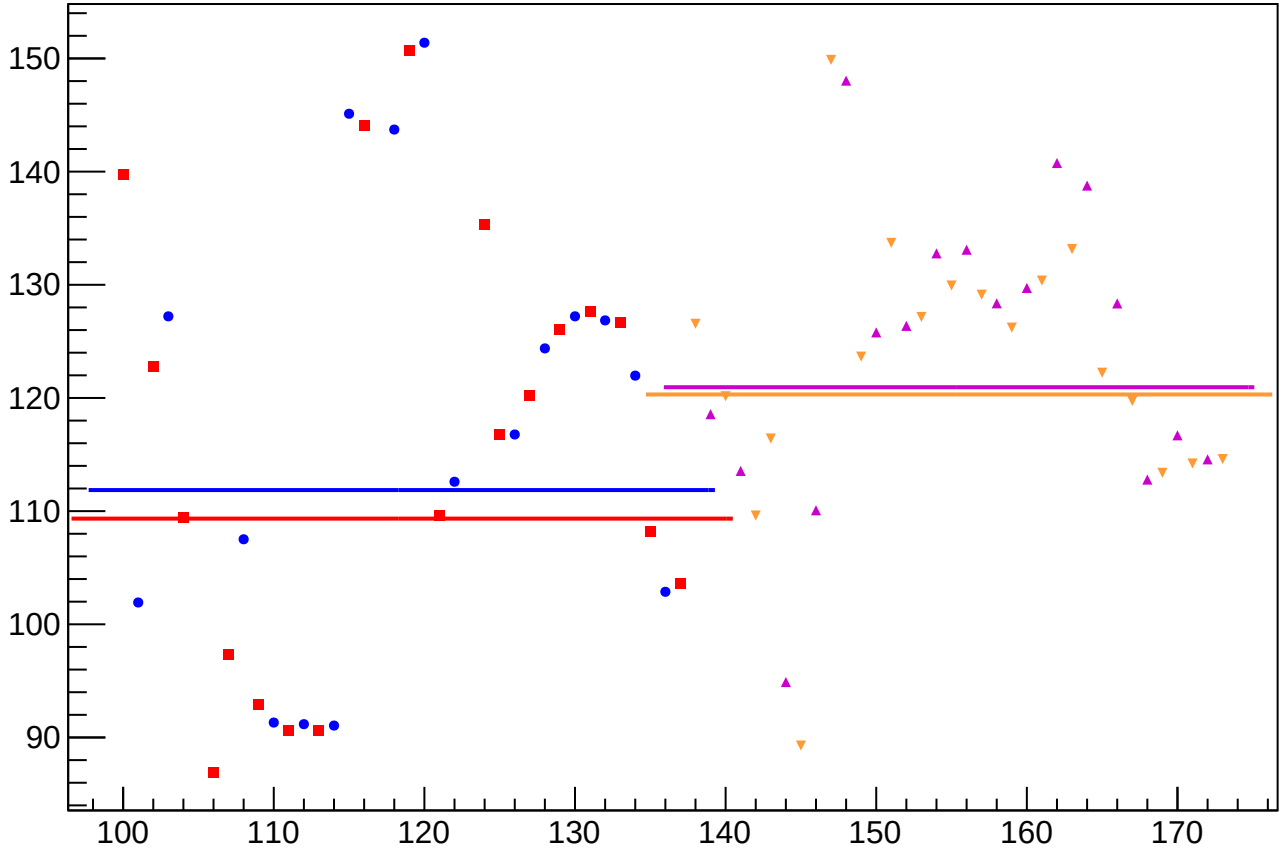
Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 197.756+/-25.761 χ^2/NDF:50.5/32

Out: 223.892+/-24.790 χ^2/NDF:31.0/37

All: 211.326+/-17.863 χ^2/NDF: 82.0/70

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 120.309+/-0.022 χ^2/NDF:356588.7/18

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 120.950+/-0.023 χ^2/NDF:333372.9/16

Left: 120.617+/-0.016 χ^2/NDF: 690365.0/35

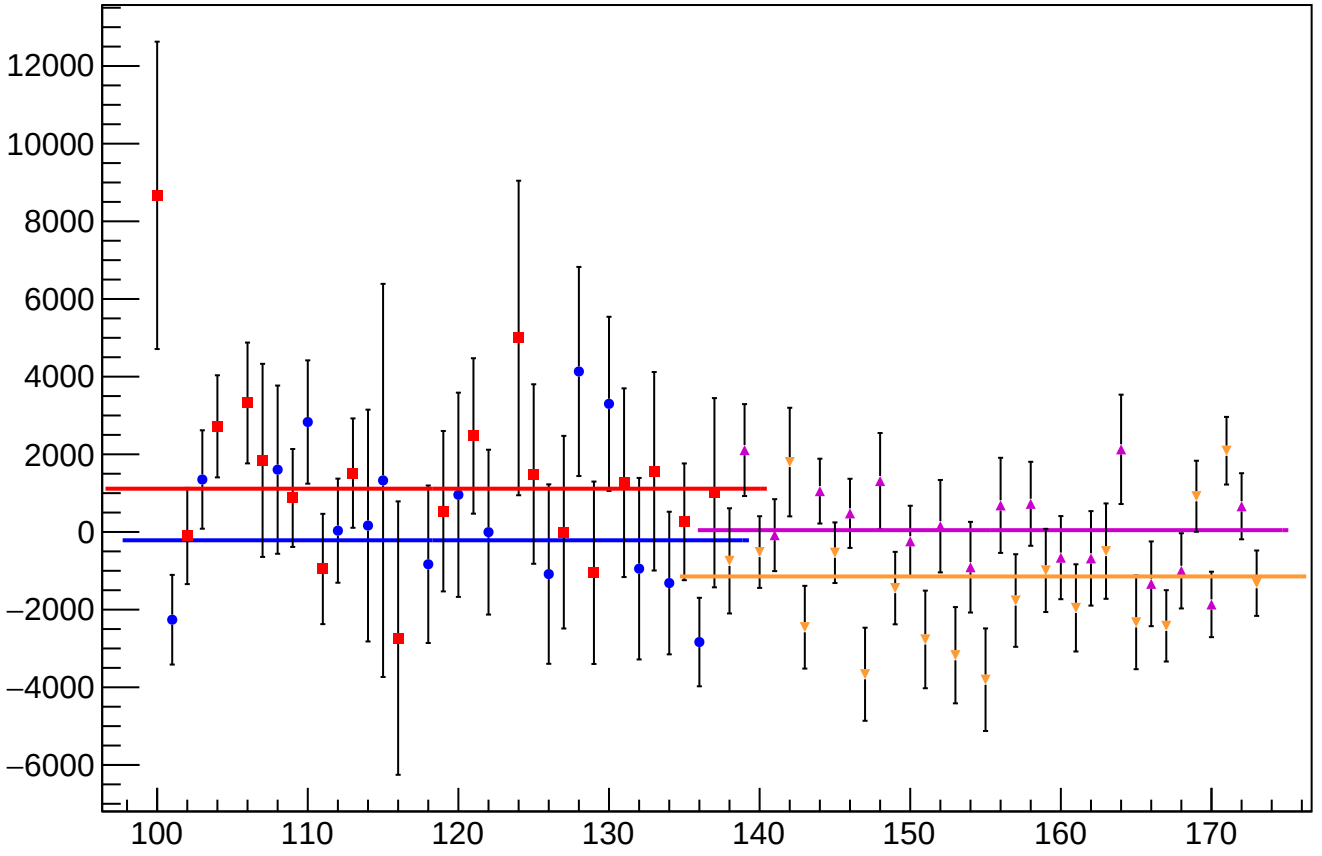
Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 117.553+/-0.018 χ^2/NDF:697661.6/32

Out: 116.234+/-0.018 χ^2/NDF:815225.4/37

All: 116.868+/-0.013 χ^2/NDF: 1515607.7/70

asym_sam_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1145.010+/-240.554 χ^2/NDF:43.0/18

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 46.580+/-248.959 χ^2/NDF:18.7/16

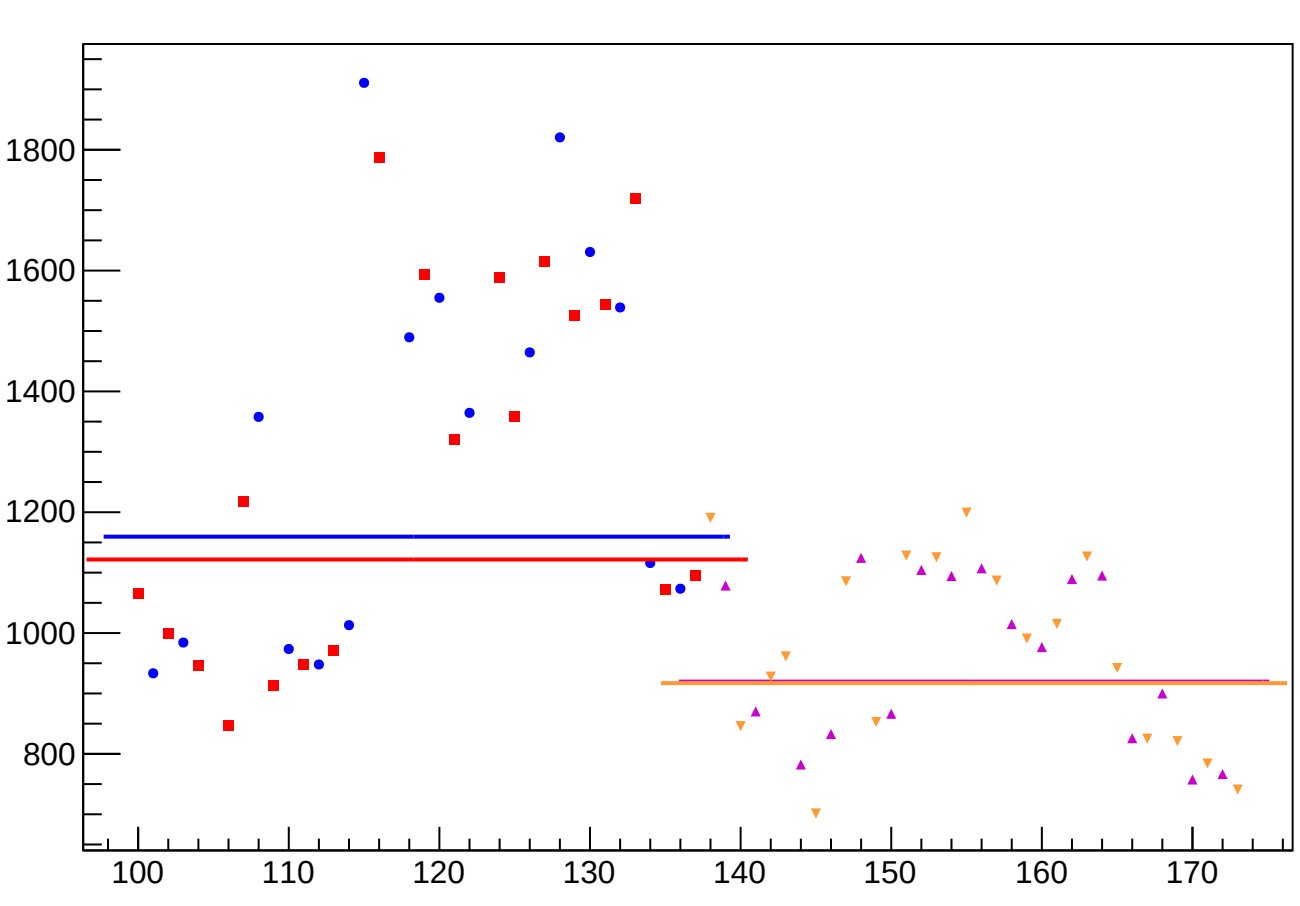
Left: -569.670+/-172.992 χ^2/NDF: 73.5/35

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: -15.803+/-217.147 χ^2/NDF:39.4/32

Out: -592.877+/-209.111 χ^2/NDF:79.0/37

All: -315.217+/-150.625 χ^2/NDF: 122.1/70



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 917.096+/-0.170 χ^2/NDF:804040.6/18

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 919.625+/-0.176 χ^2/NDF:561863.2/16

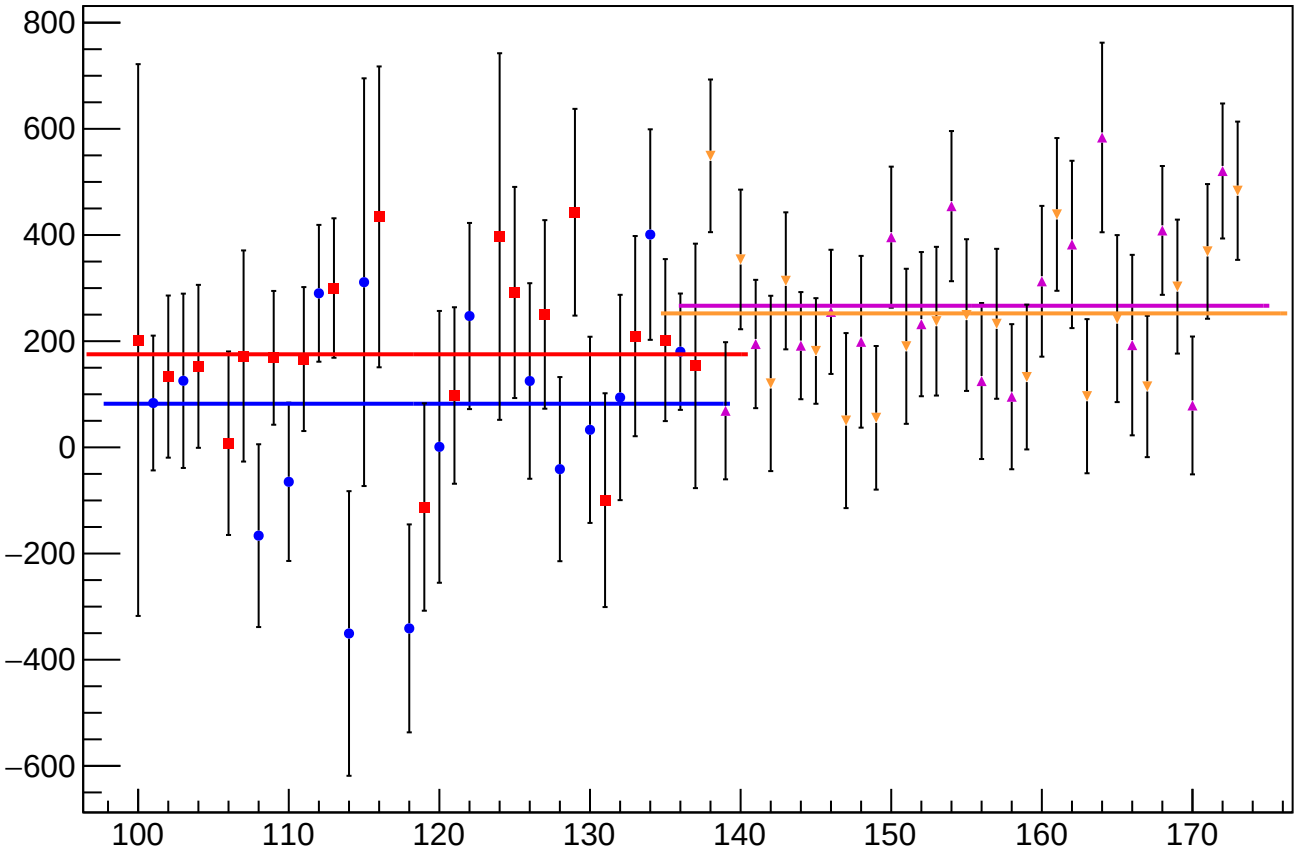
Left: 918.317+/-0.122 χ^2/NDF: 1366010.5/35

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 977.026+/-0.154 χ^2/NDF:1689987.5/32

Out: 967.101+/-0.148 χ^2/NDF:1940020.7/37

All: 971.877+/-0.107 χ^2/NDF: 3632175.9/70



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 252.362+/-31.270 χ^2/NDF:18.9/18

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 266.748+/-32.555 χ^2/NDF:20.1/16

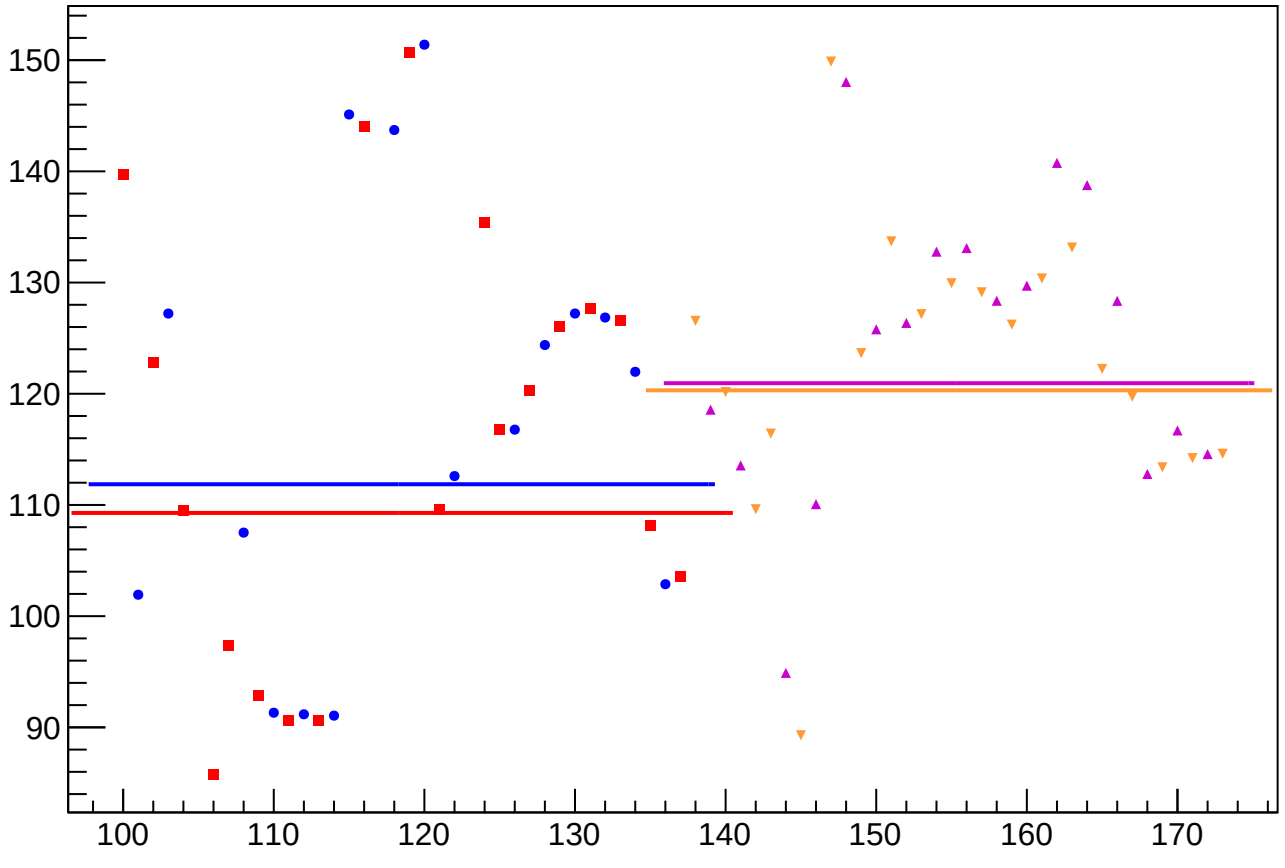
Left: 259.266+/-22.552 χ^2/NDF: 39.1/35

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 197.752+/-25.761 χ^2/NDF:50.5/32

Out: 223.752+/-24.792 χ^2/NDF:31.1/37

All: 211.251+/-17.863 χ^2/NDF: 82.1/70



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 120.309+/-0.022 χ^2/NDF:356588.7/18

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 120.950+/-0.023 χ^2/NDF:333372.9/16

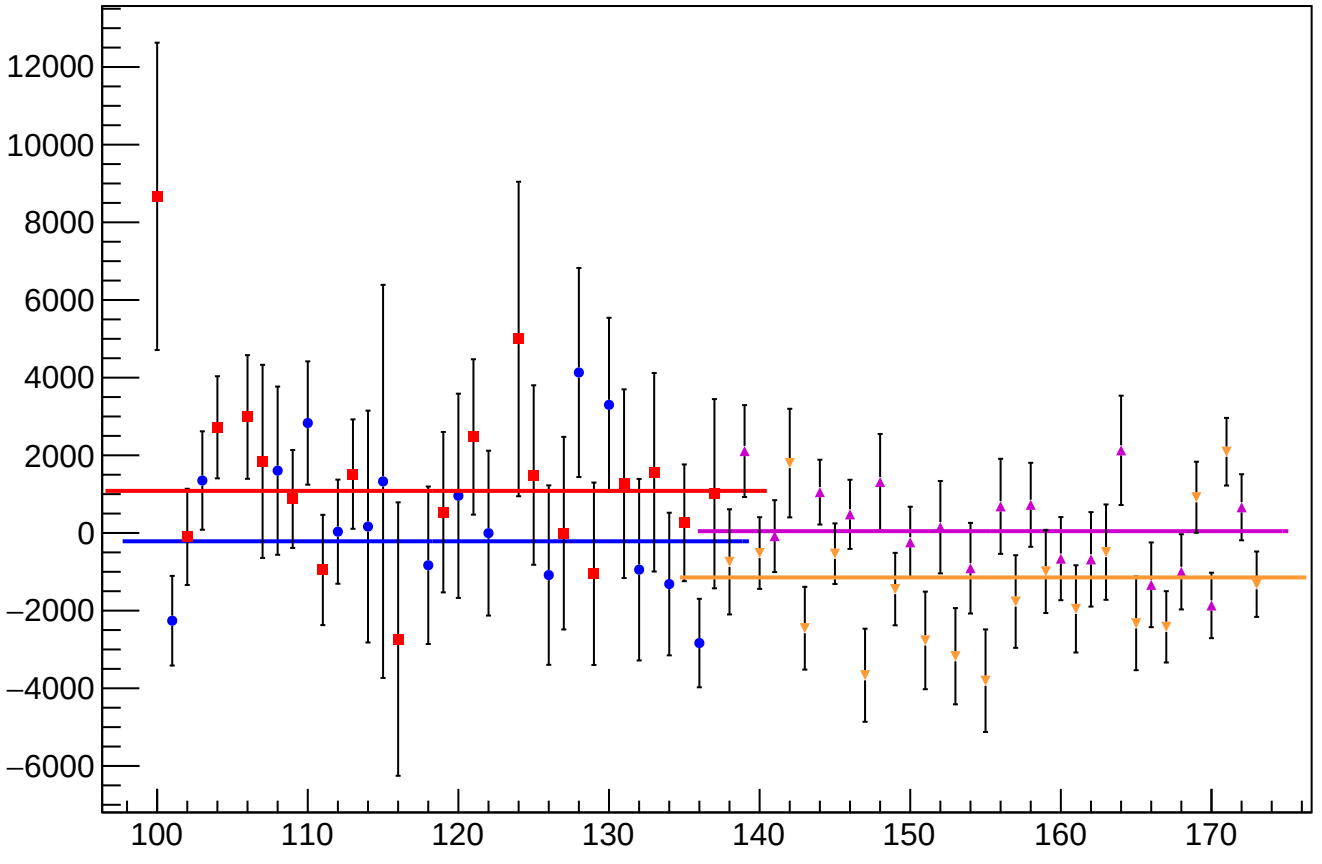
Left: 120.617+/-0.016 χ^2/NDF: 690365.0/35

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.553+/-0.018 χ^2/NDF:697662.4/32

Out: 116.214+/-0.018 χ^2/NDF:819639.2/37

All: 116.858+/-0.013 χ^2/NDF: 1520106.1/70



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1145.010+/-240.554 χ^2/NDF:43.0/18

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 46.587+/-248.959 χ^2/NDF:18.7/16

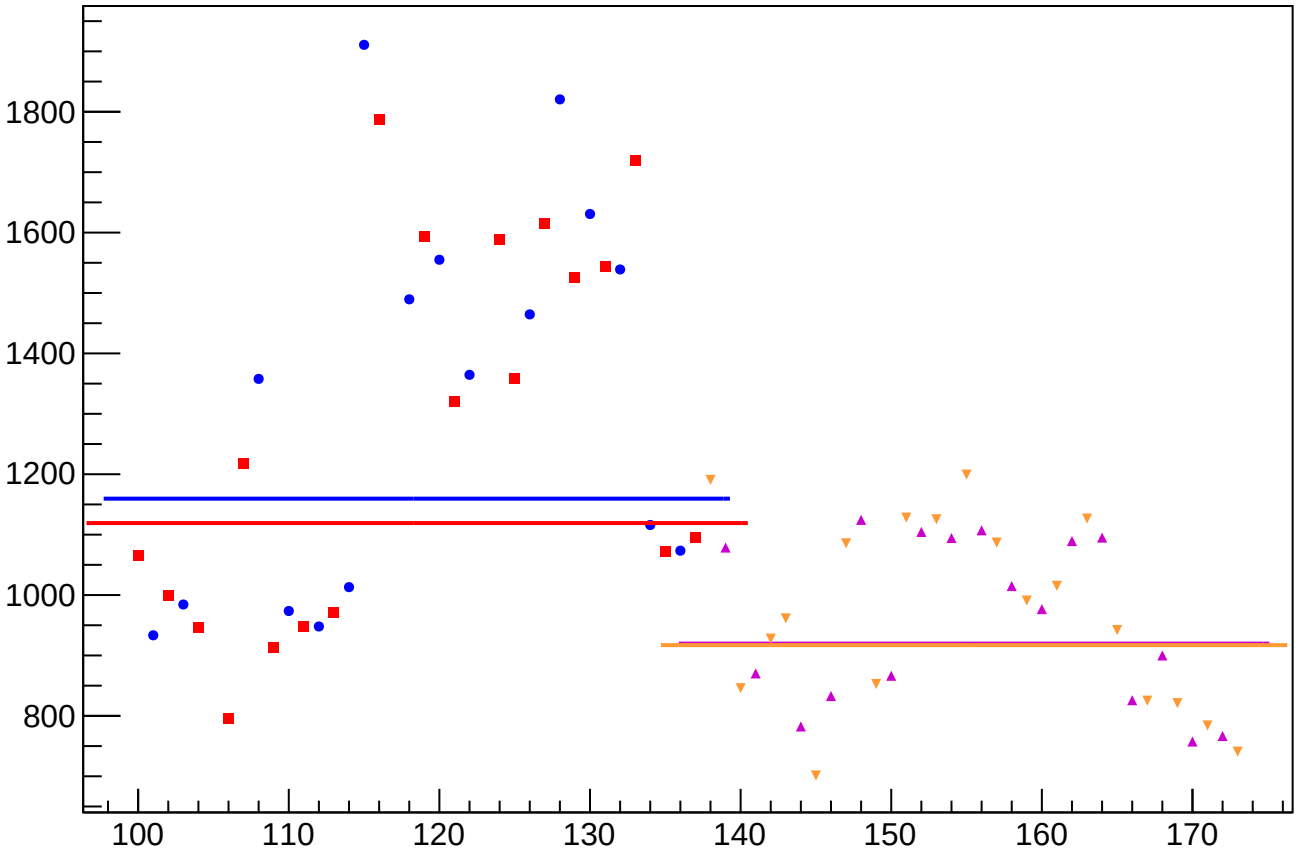
Left: -569.666+/-172.992 χ^2/NDF: 73.5/35

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: -15.819+/-217.148 χ^2/NDF:39.4/32

Out: -601.820+/-209.199 χ^2/NDF:77.8/37

All: -319.741+/-150.658 χ^2/NDF: 120.9/70



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 917.096+/-0.170 χ^2/NDF:804040.2/18

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 919.625+/-0.176 χ^2/NDF:561863.2/16

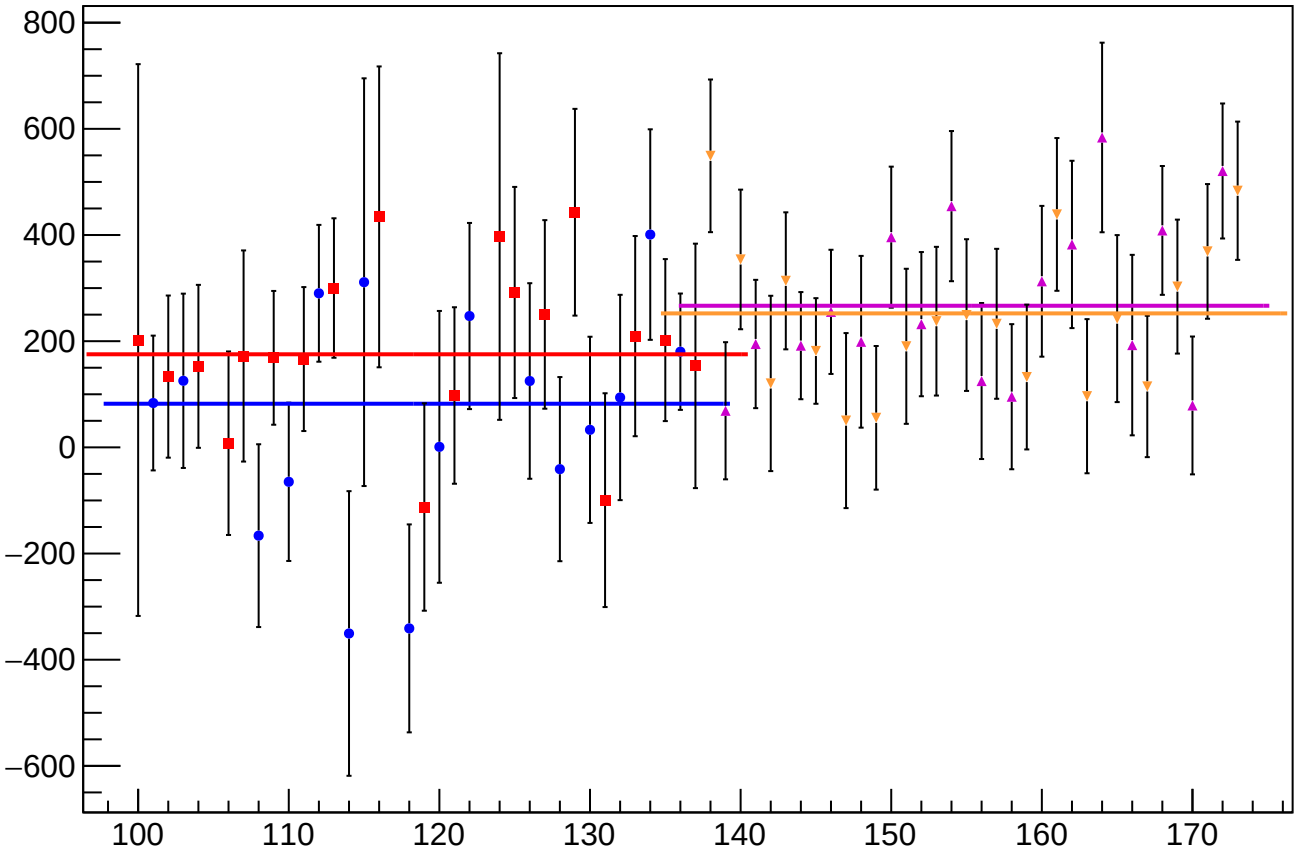
Left: 918.317+/-0.122 χ^2/NDF: 1366010.1/35

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 977.028+/-0.154 χ^2/NDF:1689986.7/32

Out: 966.338+/-0.148 χ^2/NDF:1951080.3/37

All: 971.484+/-0.107 χ^2/NDF: 3643581.0/70



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 252.362+/-31.270 χ^2/NDF:18.9/18

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 266.748+/-32.555 χ^2/NDF:20.1/16

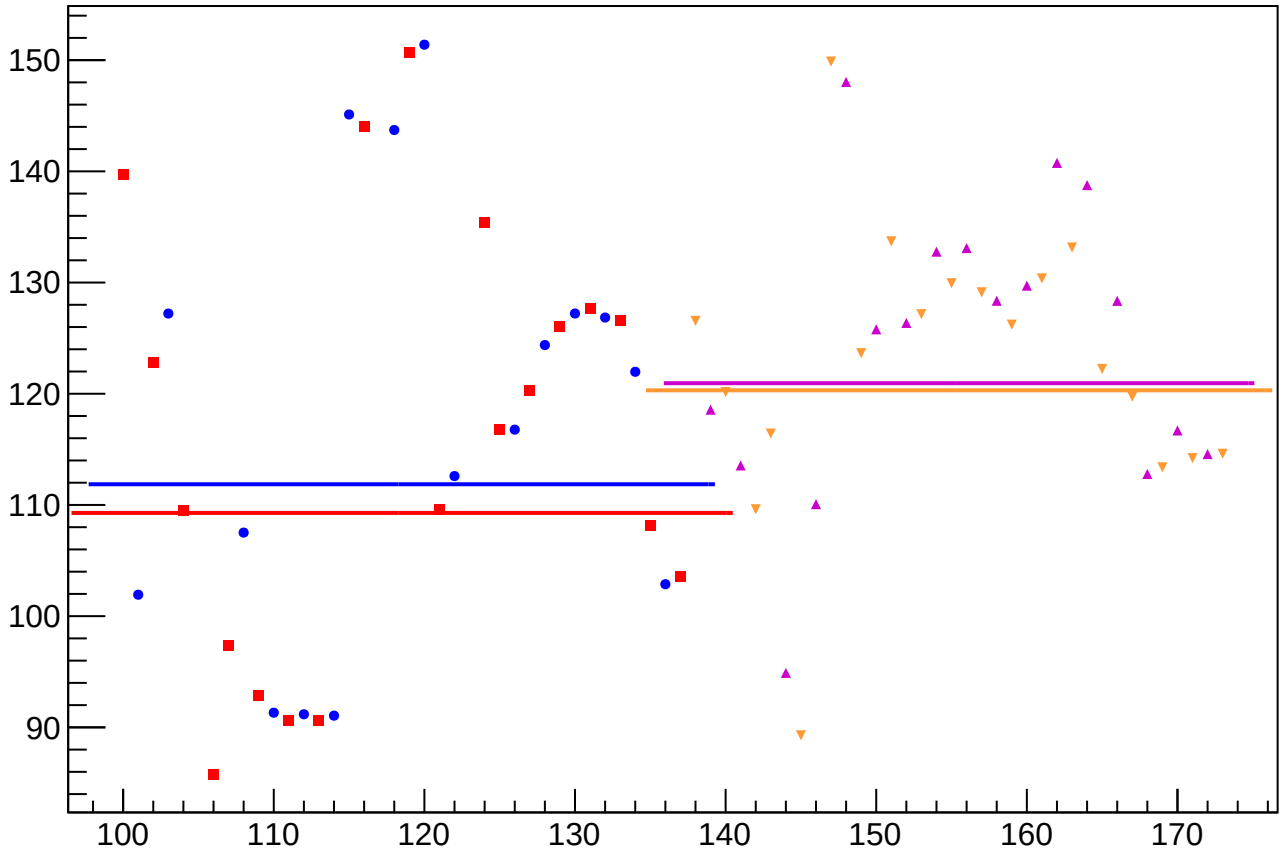
Left: 259.266+/-22.552 χ^2/NDF: 39.1/35

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 197.752+/-25.761 χ^2/NDF:50.5/32

Out: 223.752+/-24.792 χ^2/NDF:31.1/37

All: 211.251+/-17.863 χ^2/NDF: 82.1/70



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 120.309+/-0.022 χ^2/NDF:356588.7/18

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 120.950+/-0.023 χ^2/NDF:333372.9/16

Left: 120.617+/-0.016 χ^2/NDF: 690365.0/35

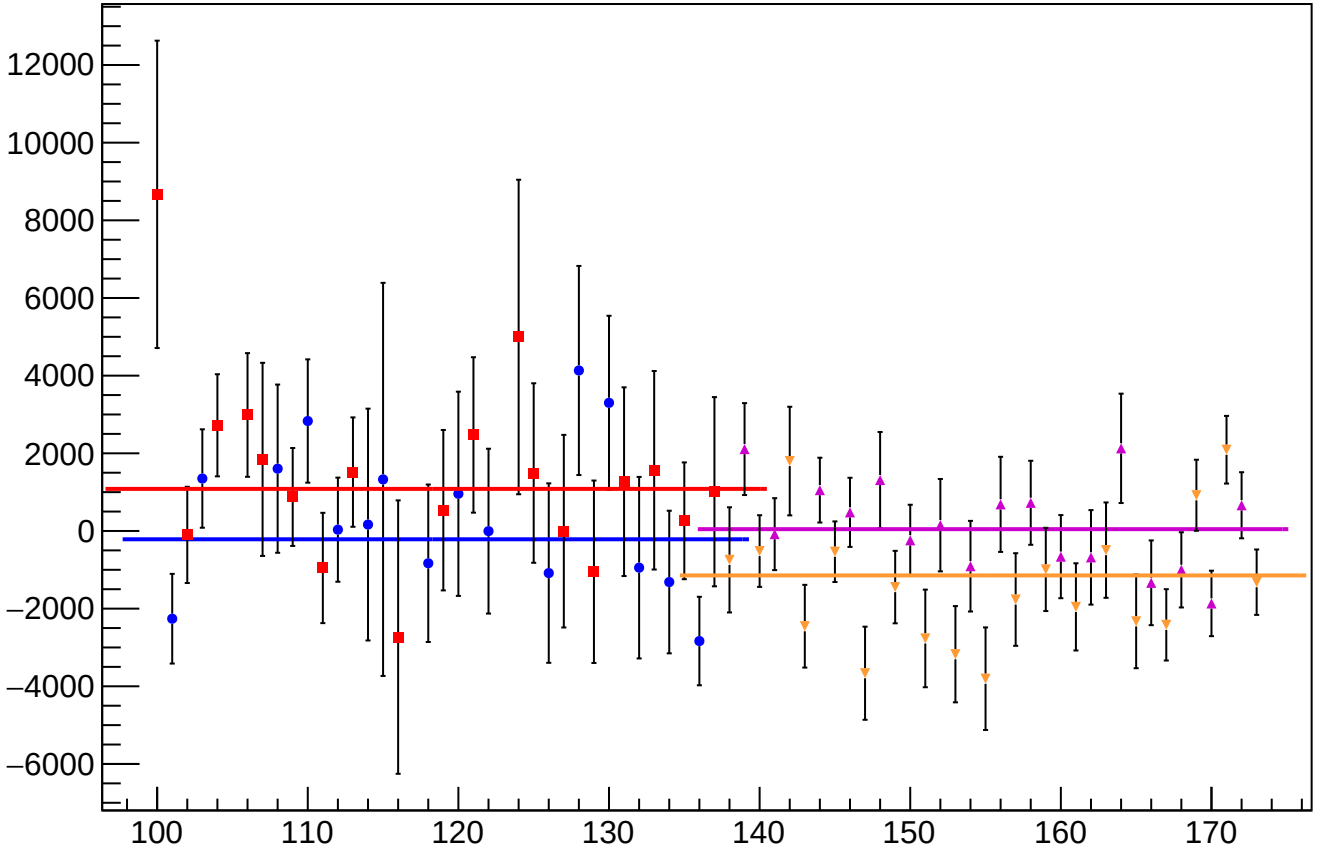
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.553+/-0.018 χ^2/NDF:697662.4/32

Out: 116.214+/-0.018 χ^2/NDF:819639.2/37

All: 116.858+/-0.013 χ^2/NDF: 1520106.1/70

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: -1145.010+/-240.554 χ^2/NDF:43.0/18

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 46.587+/-248.959 χ^2/NDF:18.7/16

Left: -569.666+/-172.992 χ^2/NDF: 73.5/35

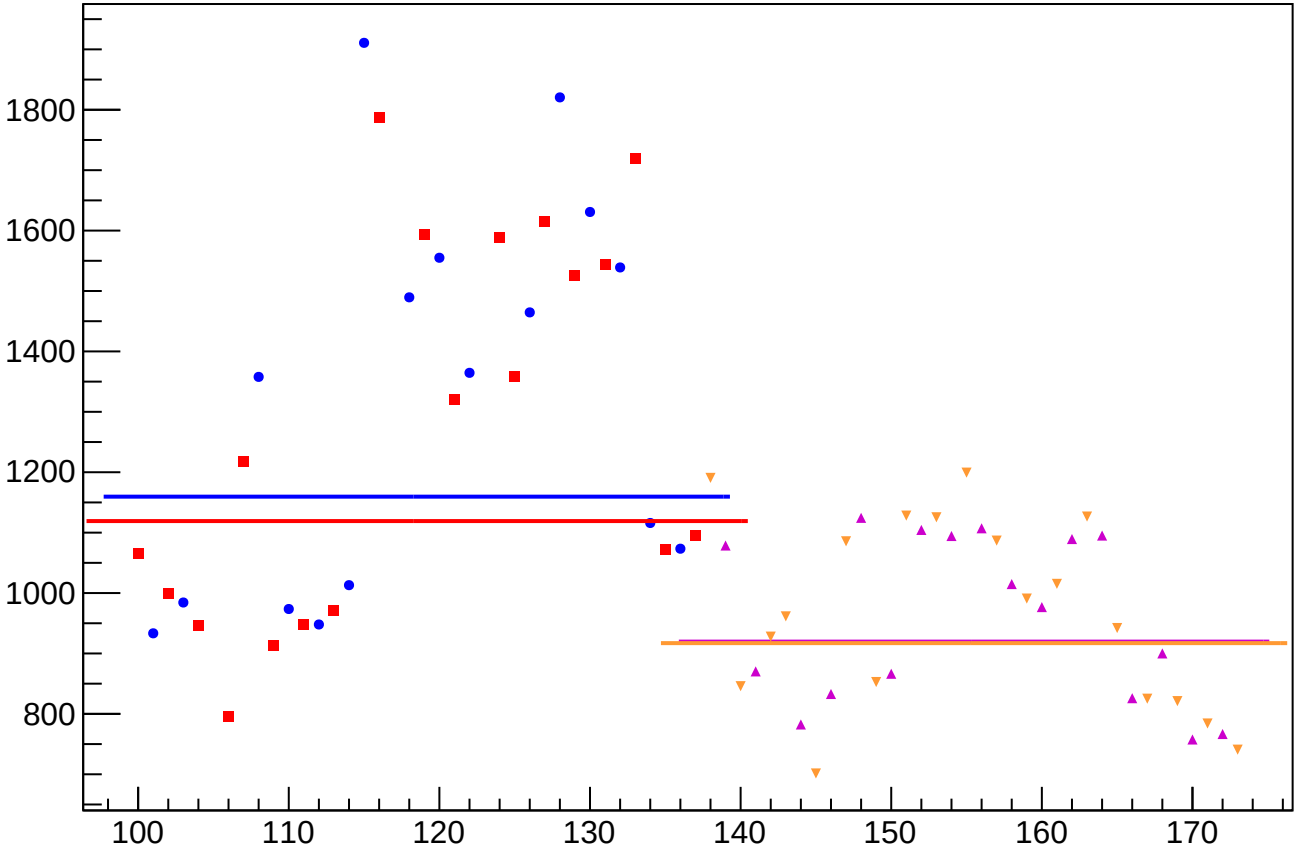
Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: -15.819+/-217.148 χ^2/NDF:39.4/32

Out: -601.820+/-209.199 χ^2/NDF:77.8/37

All: -319.741+/-150.658 χ^2/NDF: 120.9/70

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: 917.096+/-0.170 χ^2/NDF:804040.2/18

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 919.625+/-0.176 χ^2/NDF:561863.2/16

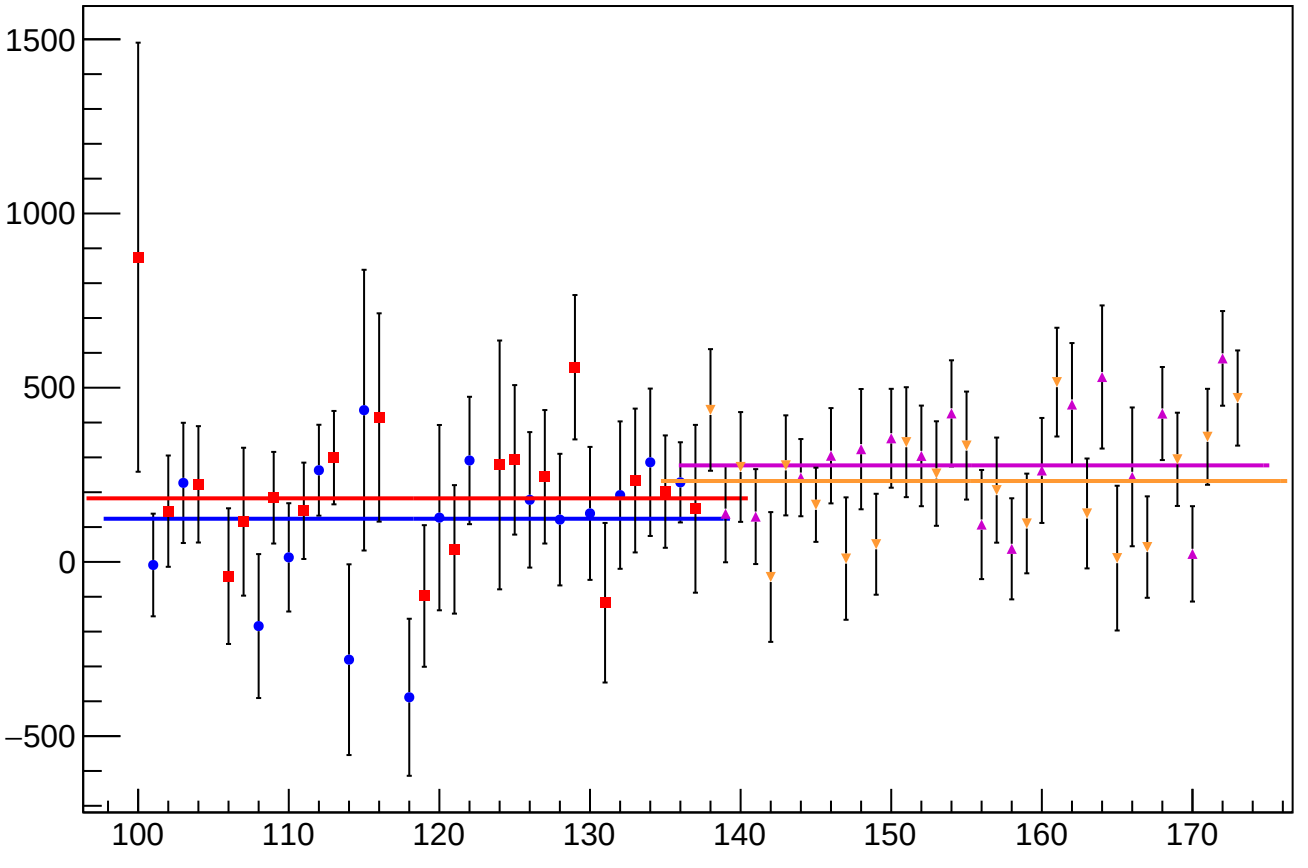
Left: 918.317+/-0.122 χ^2/NDF: 1366010.1/35

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 977.028+/-0.154 χ^2/NDF:1689986.7/32

Out: 966.338+/-0.148 χ^2/NDF:1951080.3/37

All: 971.484+/-0.107 χ^2/NDF: 3643581.0/70



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 232.190+/-34.269 χ^2/NDF:19.6/18

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 277.061+/-35.543 χ^2/NDF:19.9/16

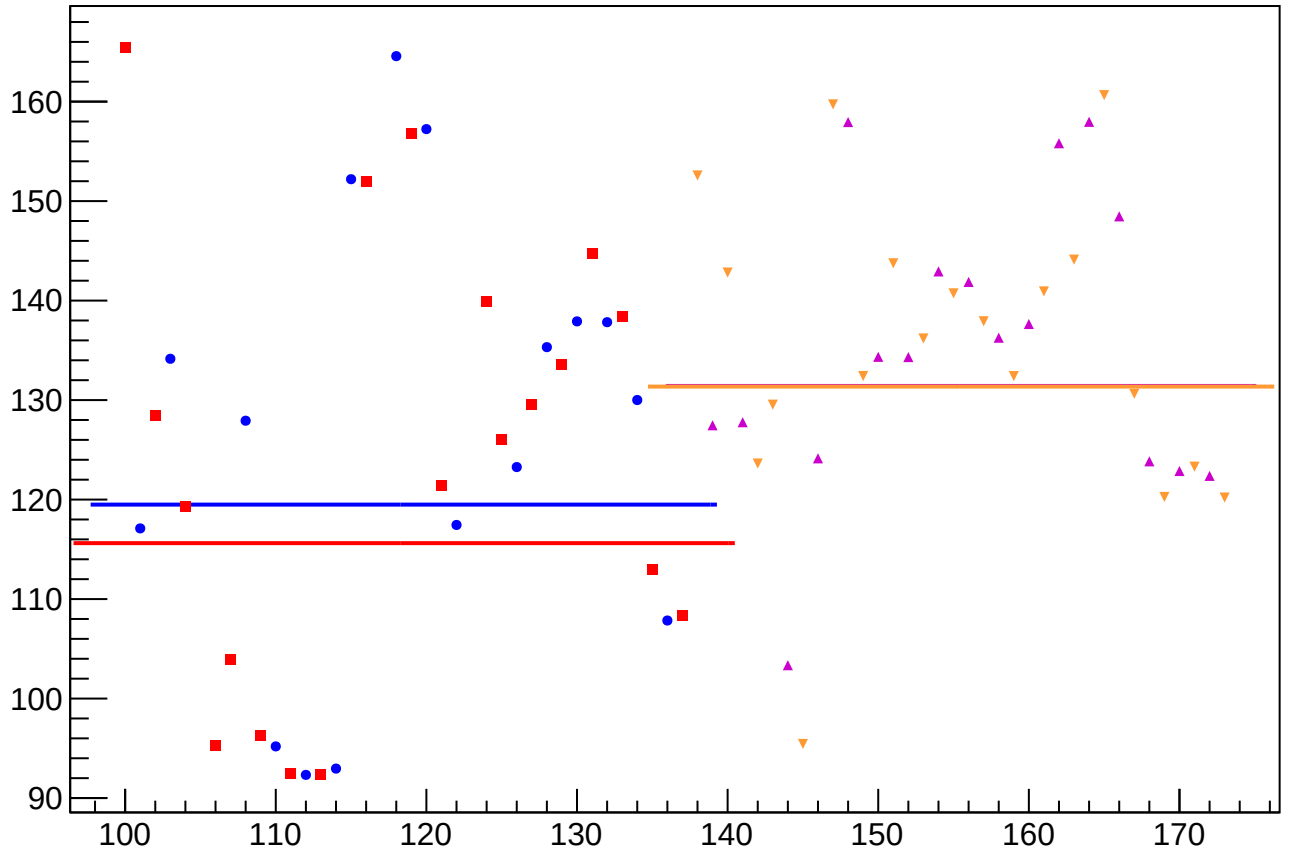
Left: 253.807+/-24.670 χ^2/NDF: 40.3/35

Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 218.598+/-27.949 χ^2/NDF:42.4/32

Out: 212.999+/-26.853 χ^2/NDF:32.7/37

All: 215.687+/-19.364 χ^2/NDF: 75.1/70



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 131.357+/-0.024 χ^2/NDF:443736.4/18

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 131.420+/-0.025 χ^2/NDF:321289.2/16

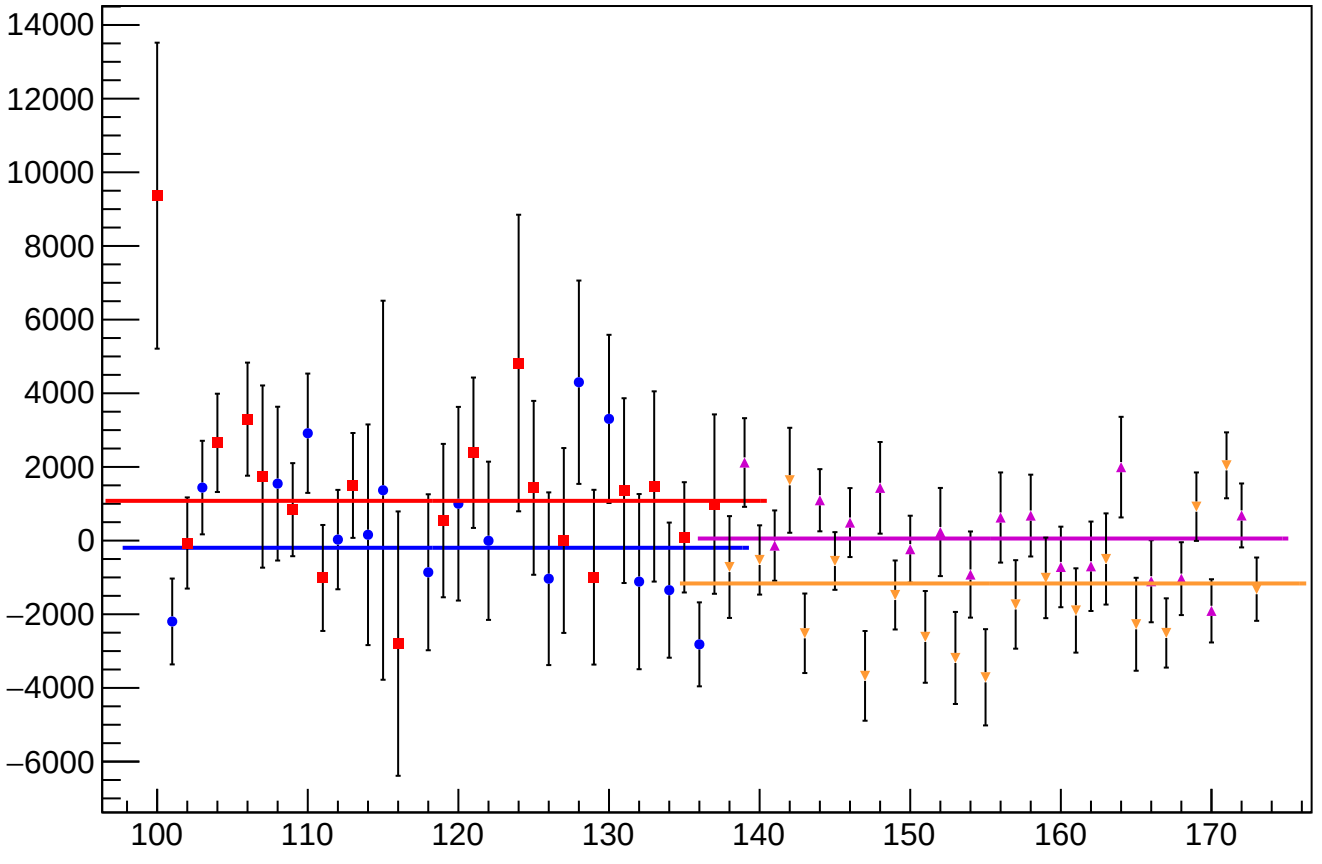
Left: 131.387+/-0.017 χ^2/NDF: 765028.9/35

Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 126.868+/-0.020 χ^2/NDF:787477.6/32

Out: 125.284+/-0.019 χ^2/NDF:1033449.2/37

All: 126.044+/-0.014 χ^2/NDF: 1824268.9/70



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1163.876+/-244.104 χ^2/NDF:40.4/18

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 56.399+/-252.720 χ^2/NDF:18.2/16

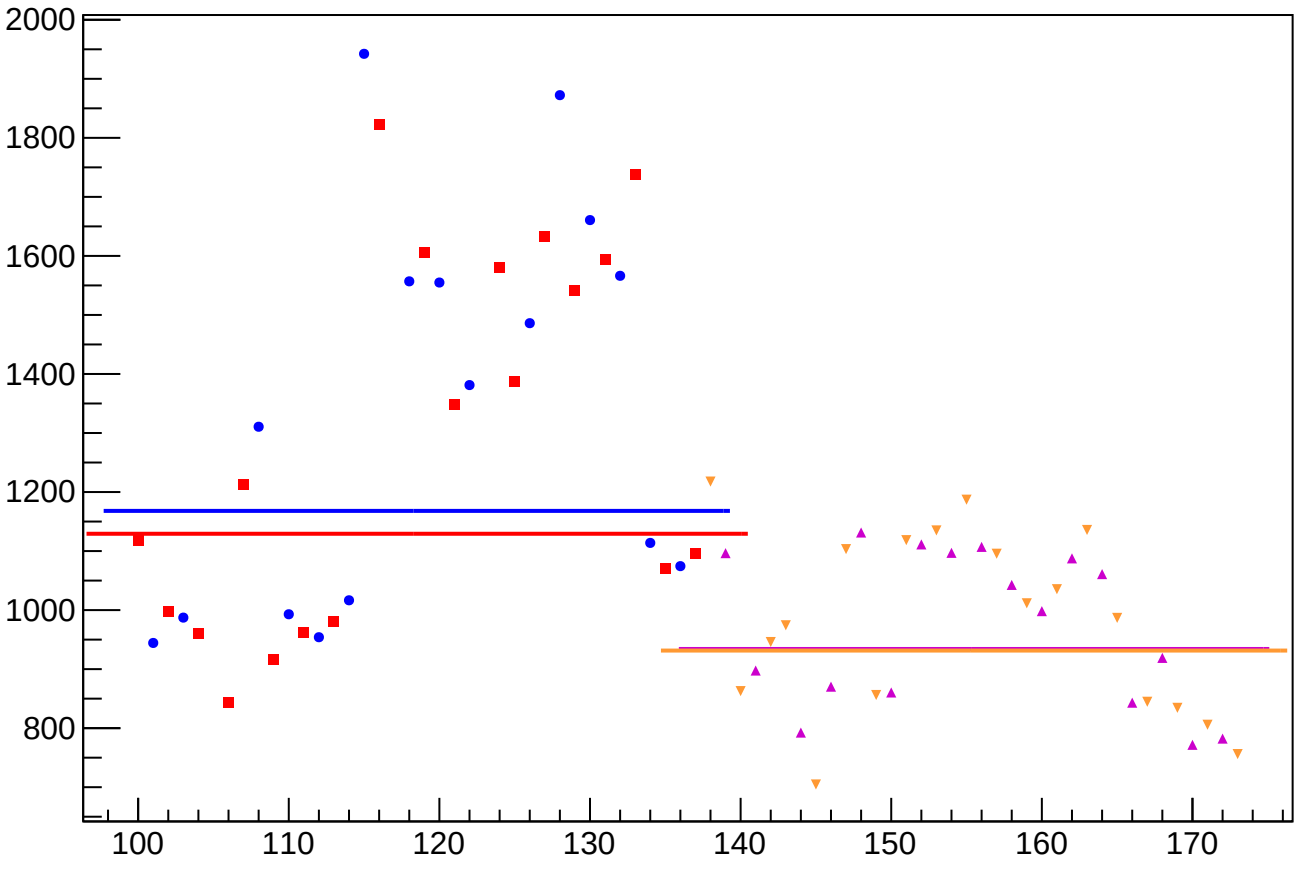
Left: -574.895+/-175.574 χ^2/NDF: 70.7/35

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: -4.447+/-220.034 χ^2/NDF:38.9/32

Out: -609.280+/-211.790 χ^2/NDF:75.9/37

All: -318.405+/-152.590 χ^2/NDF: 118.7/70



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 931.454+/-0.173 χ^2/NDF:779249.0/18

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 934.145+/-0.179 χ^2/NDF:512526.6/16

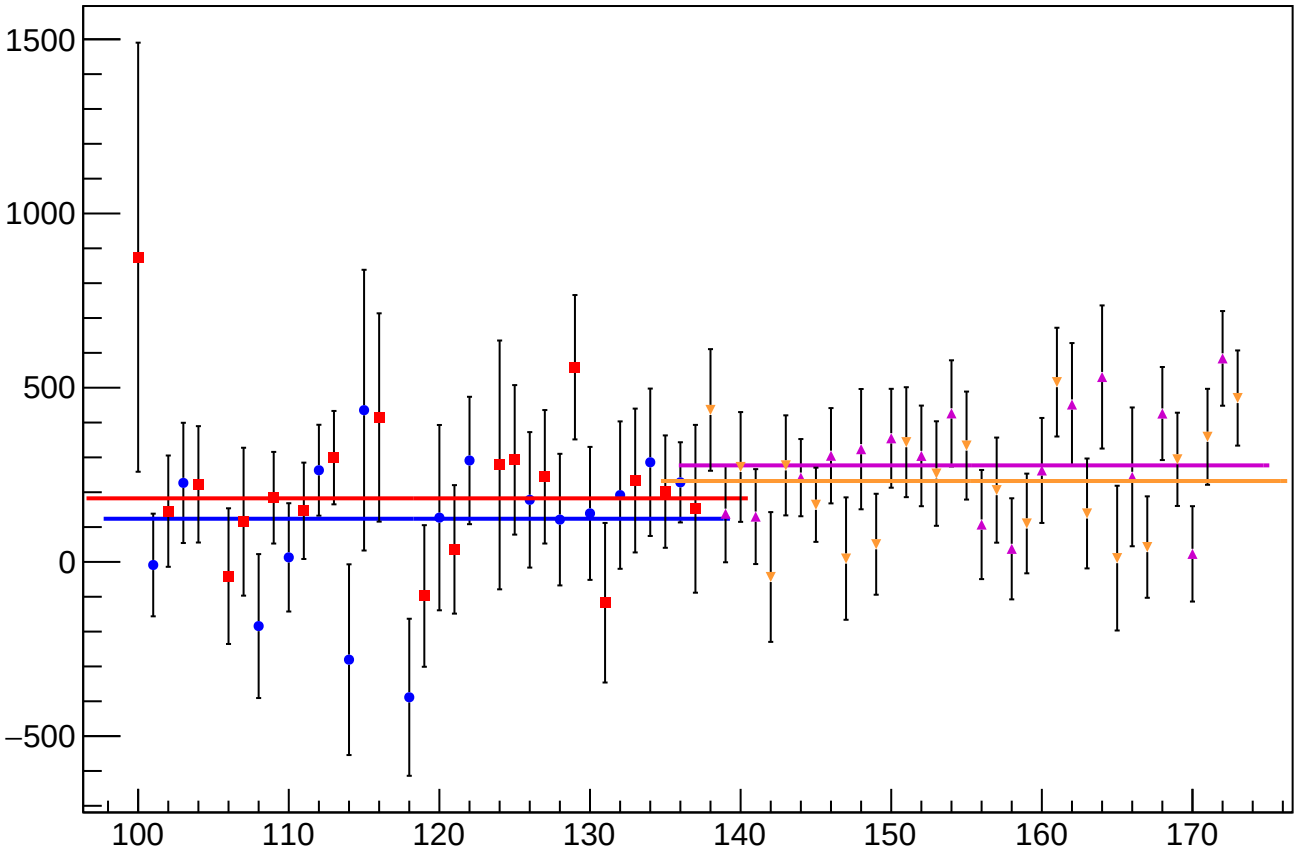
Left: 932.753+/-0.124 χ^2/NDF: 1291892.9/35

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 990.740+/-0.156 χ^2/NDF:1636456.7/32

Out: 980.371+/-0.150 χ^2/NDF:1911337.2/37

All: 985.358+/-0.108 χ^2/NDF: 3550099.5/70



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 232.193+/-34.269 χ^2/NDF:19.6/18

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 277.062+/-35.543 χ^2/NDF:19.9/16

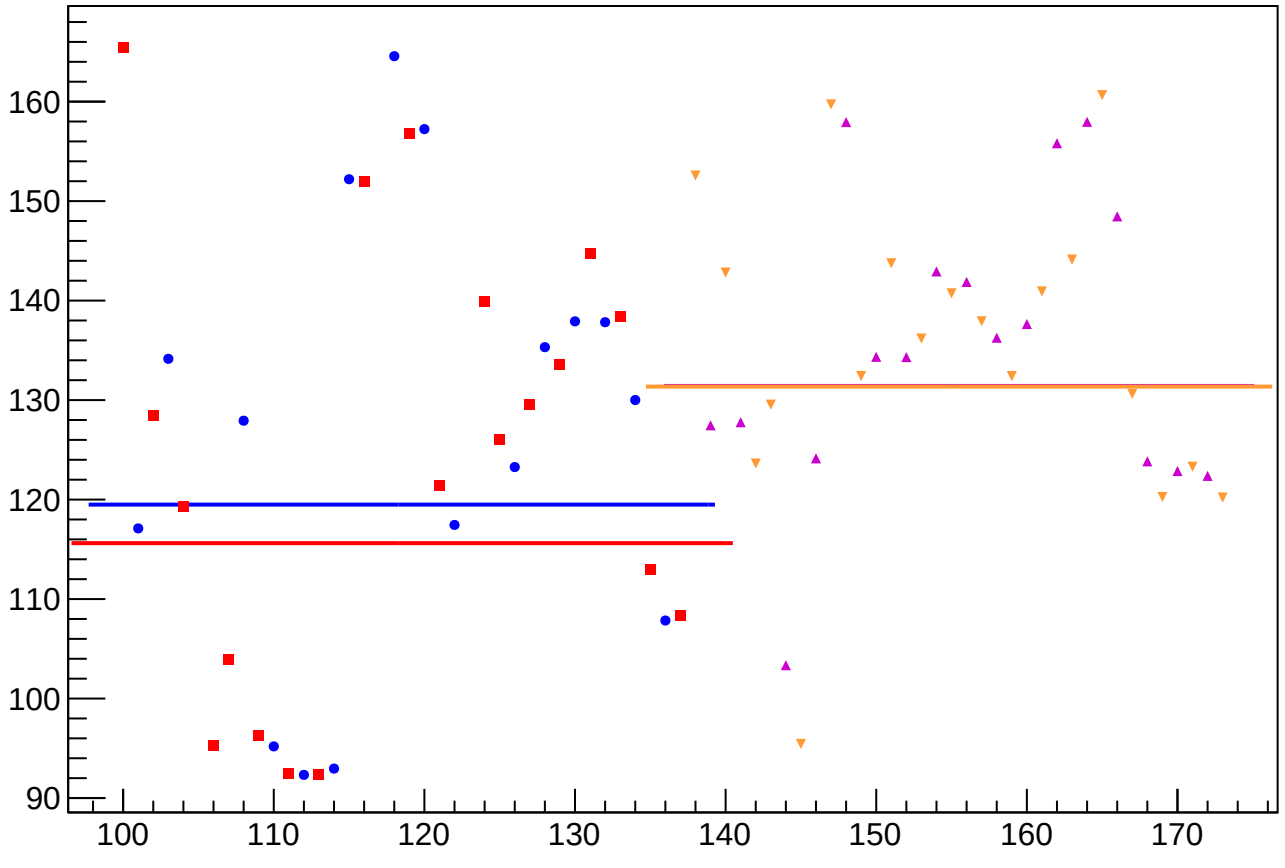
Left: 253.809+/-24.670 χ^2/NDF: 40.3/35

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 218.599+/-27.949 χ^2/NDF:42.4/32

Out: 213.001+/-26.853 χ^2/NDF:32.7/37

All: 215.688+/-19.364 χ^2/NDF: 75.1/70



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 131.357+/-0.024 χ^2/NDF:443738.0/18

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 131.420+/-0.025 χ^2/NDF:321289.3/16

Left: 131.388+/-0.017 χ^2/NDF: 765030.6/35

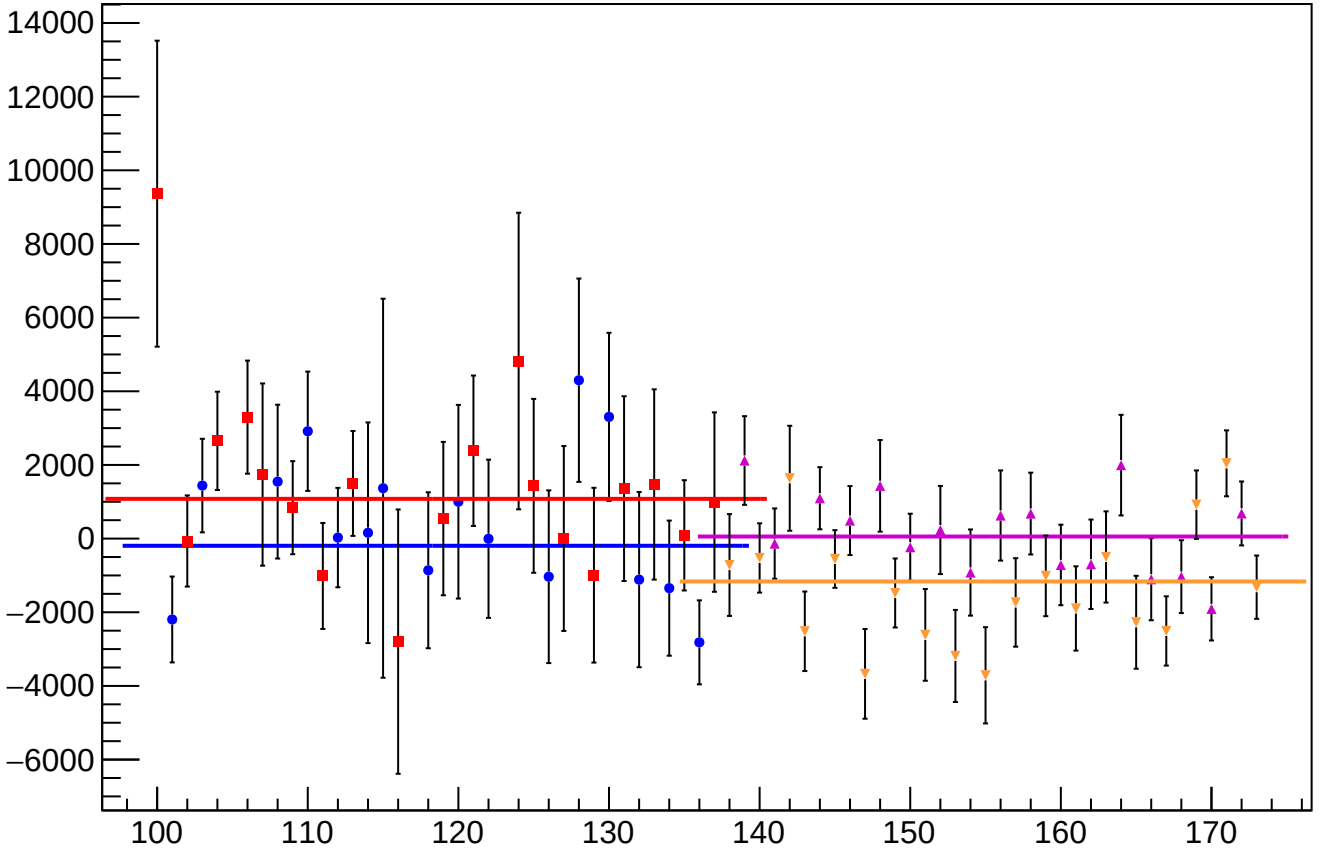
Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

In: 126.868+/-0.020 χ^2/NDF:787481.3/32

Out: 125.284+/-0.019 χ^2/NDF:1033457.3/37

All: 126.044+/-0.014 χ^2/NDF: 1824280.7/70

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: -1163.873+/-244.103 χ^2/NDF:40.4/18

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 56.398+/-252.720 χ^2/NDF:18.2/16

Left: -574.894+/-175.574 χ^2/NDF: 70.7/35

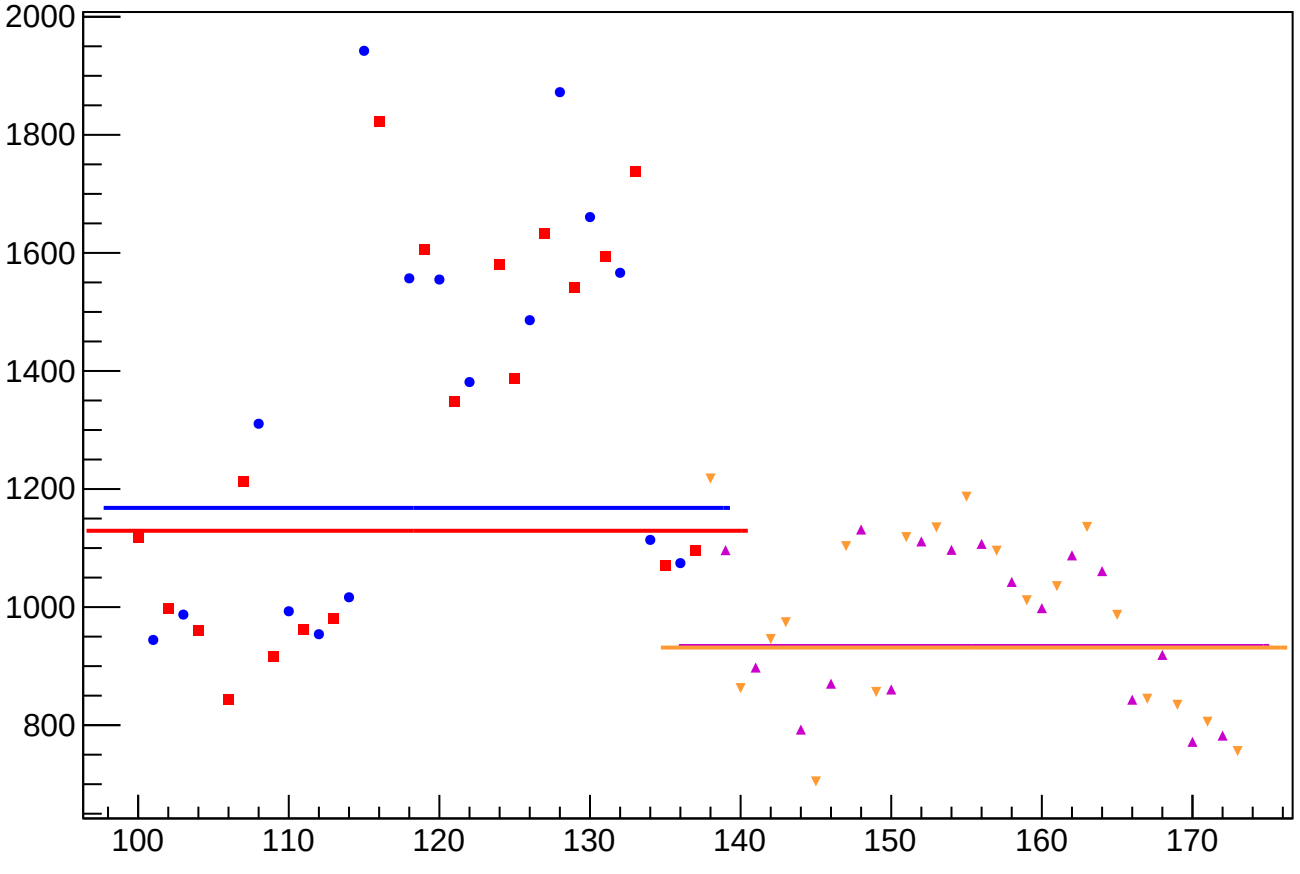
Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: -4.447+/-220.034 χ^2/NDF:38.9/32

Out: -609.278+/-211.790 χ^2/NDF:75.9/37

All: -318.405+/-152.589 χ^2/NDF: 118.7/70

asym_sam_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 931.453+/-0.173 χ^2/NDF:779252.7/18

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 934.144+/-0.179 χ^2/NDF:512526.9/16

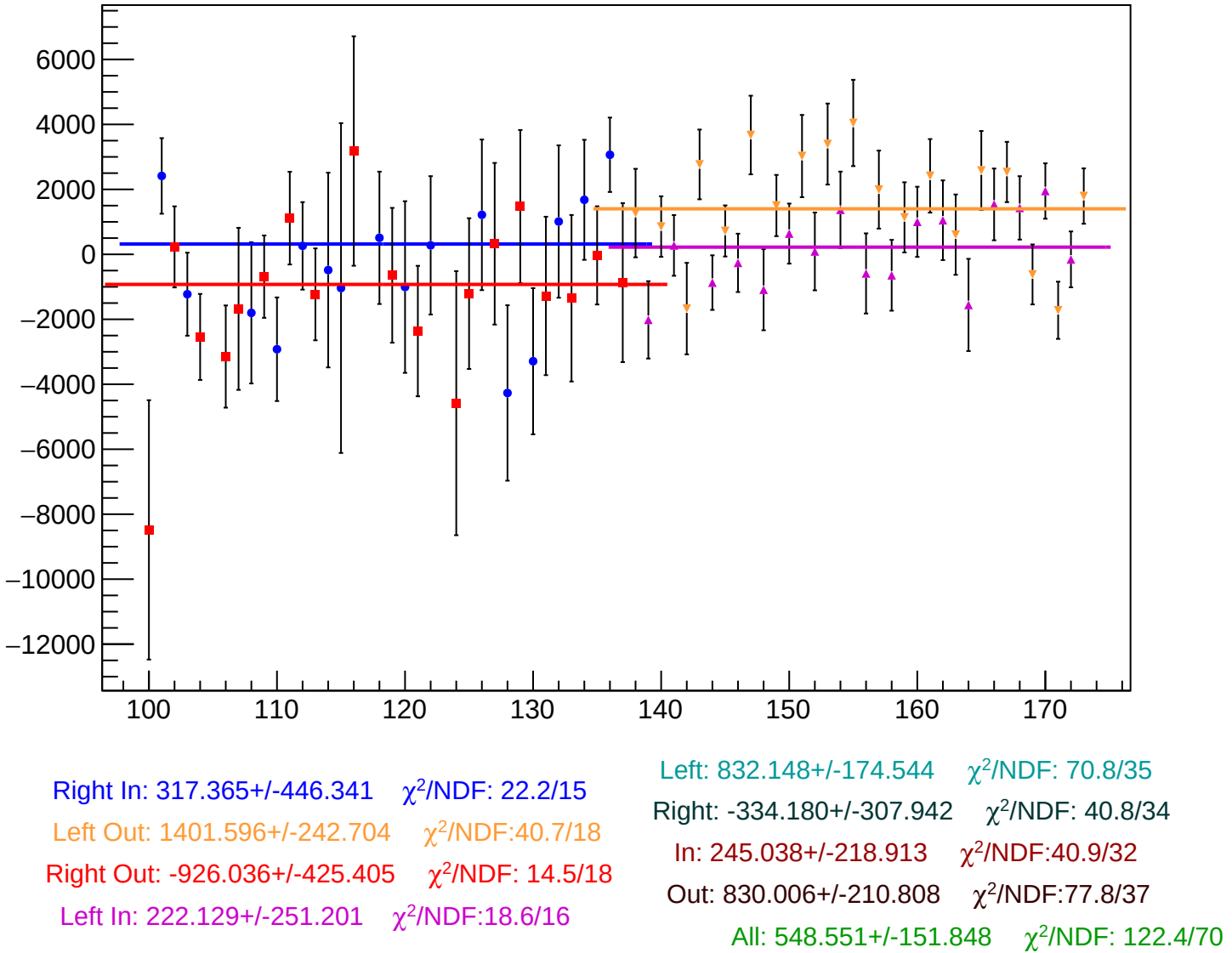
Left: 932.752+/-0.124 χ^2/NDF: 1291897.0/35

Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

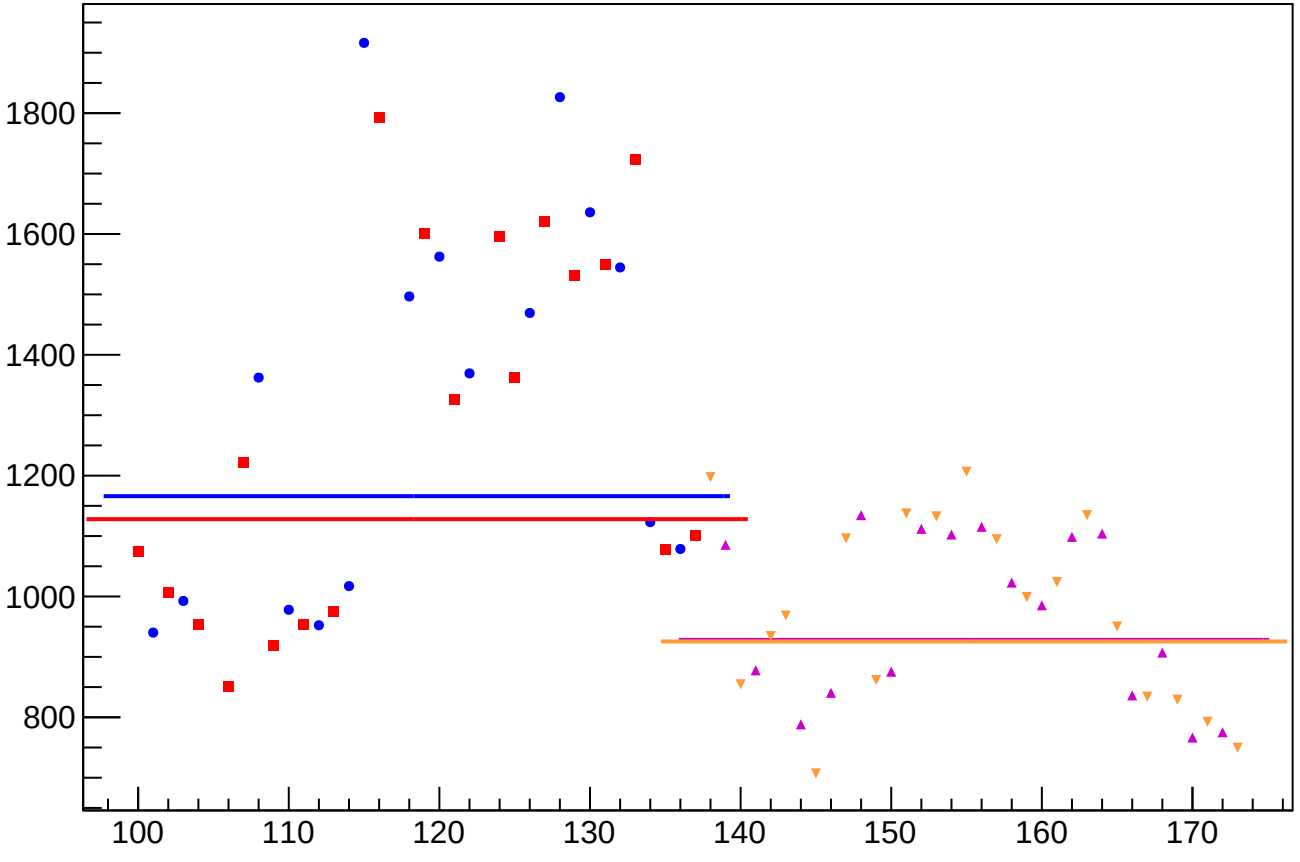
In: 990.740+/-0.156 χ^2/NDF:1636460.9/32

Out: 980.370+/-0.150 χ^2/NDF:1911344.2/37

All: 985.357+/-0.108 χ^2/NDF: 3550110.8/70


asym_sam_48_dd_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
Right In: 317.365+/-446.341 χ²/NDF: 22.2/15
Left Out: 1401.596+/-242.704 χ²/NDF:40.7/18
Right Out: -926.036+/-425.405 χ²/NDF: 14.5/18
Left In: 222.129+/-251.201 χ²/NDF:18.6/16
Left: 832.148+/-174.544 χ²/NDF: 70.8/35
Right: -334.180+/-307.942 χ²/NDF: 40.8/34
In: 245.038+/-218.913 χ²/NDF:40.9/32
Out: 830.006+/-210.808 χ²/NDF:77.8/37
All: 548.551+/-151.848 χ²/NDF: 122.4/70

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 925.539+/-0.172 χ^2/NDF:792483.9/18

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 928.105+/-0.178 χ^2/NDF:553407.8/16

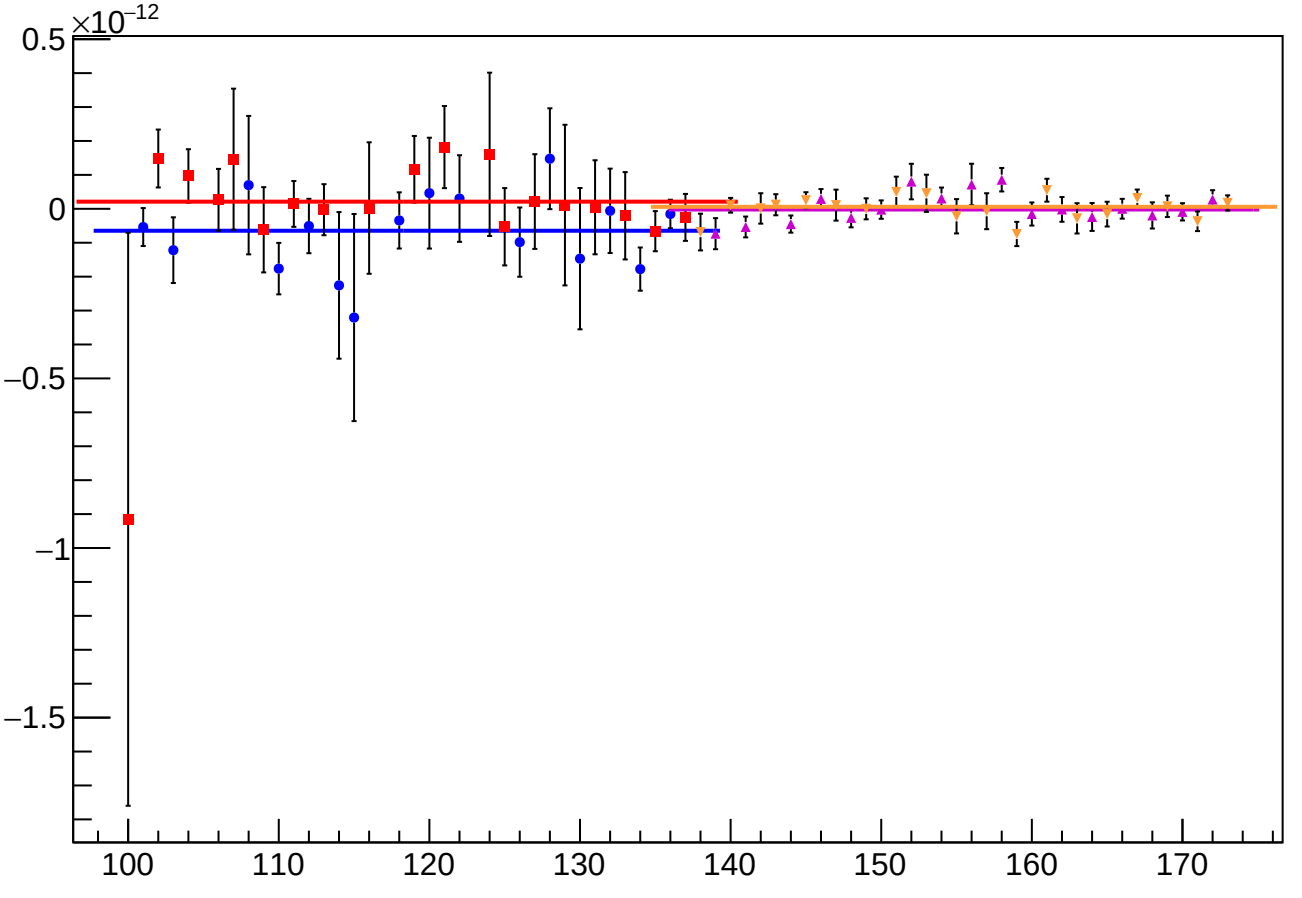
Left: 926.778+/-0.123 χ^2/NDF: 1345999.6/35

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 985.345+/-0.155 χ^2/NDF:1662160.5/32

Out: 975.259+/-0.149 χ^2/NDF:1910036.7/37

All: 980.112+/-0.107 χ^2/NDF: 3574400.1/70



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:23.4/16

Left: 0.000+/-0.000 χ^2/NDF: 40.0/35

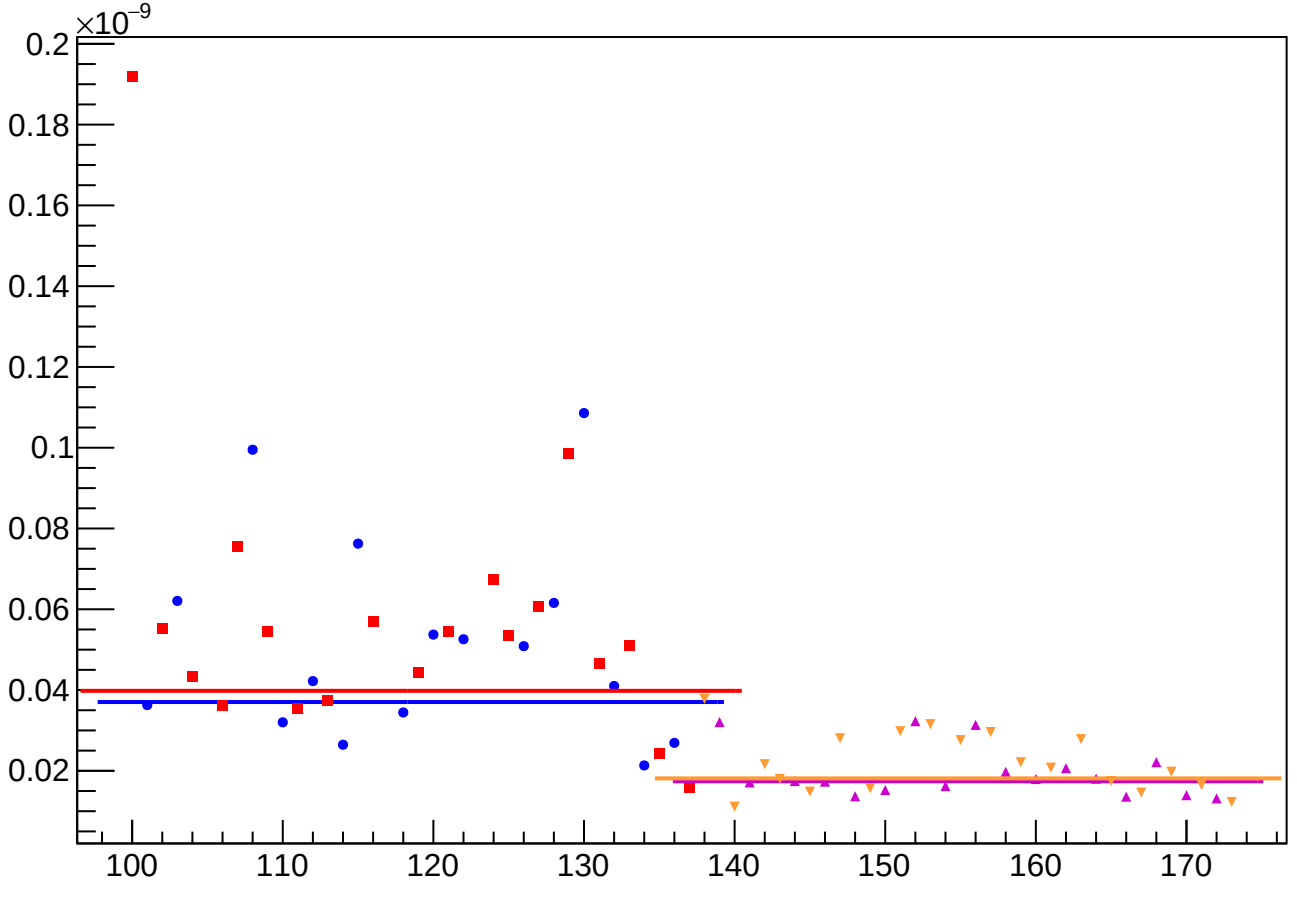
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:43.1/32

Out: 0.000+/-0.000 χ^2/NDF:28.0/37

All: -0.000+/-0.000 χ^2/NDF: 73.7/70

asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1370746.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:695792.2/16

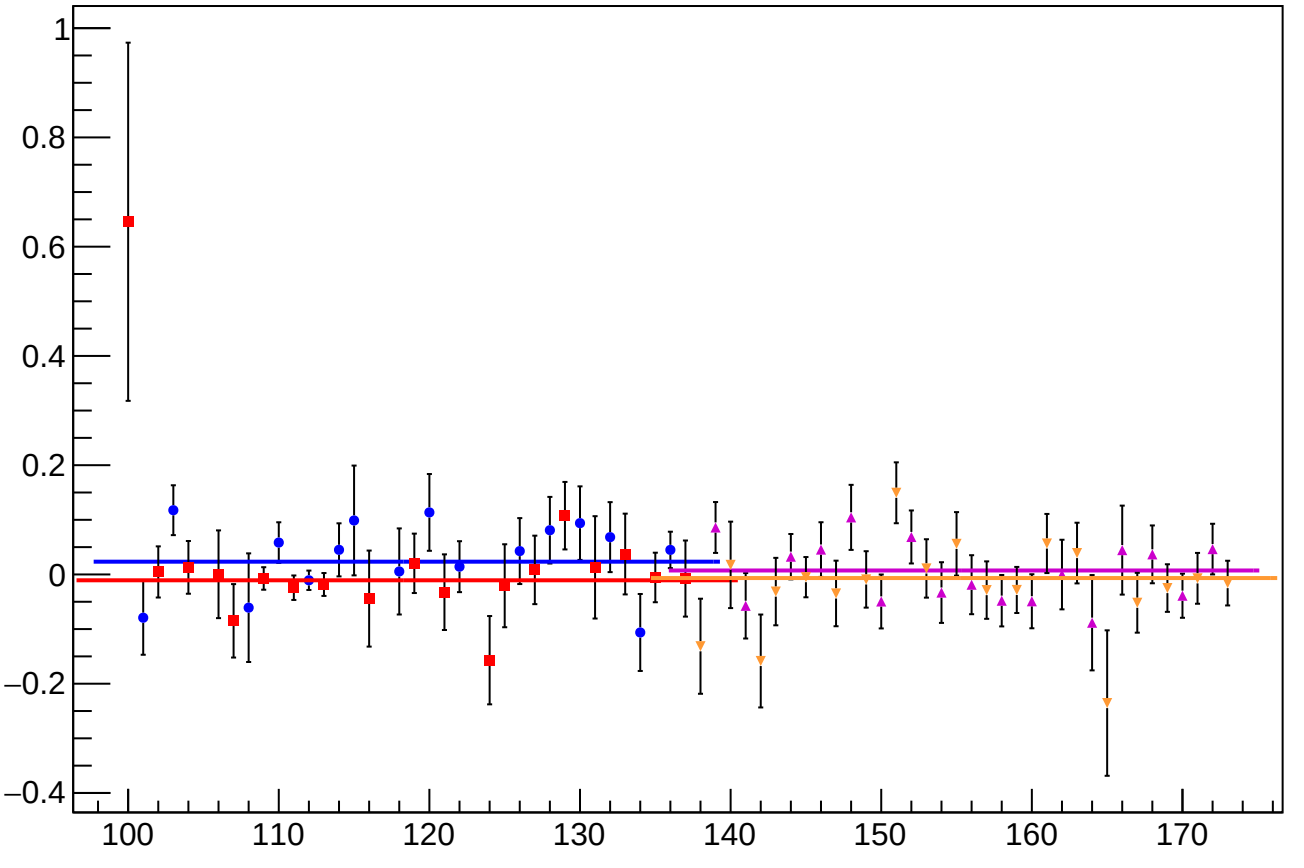
Left: 0.000+/-0.000 χ^2/NDF: 2075118.5/35

Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:3121558.0/32

Out: 0.000+/-0.000 χ^2/NDF:3864729.8/37

All: 0.000+/-0.000 χ^2/NDF: 6992254.6/70



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.007+/-0.012 χ^2/NDF:21.2/18

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.013 χ^2/NDF:17.8/16

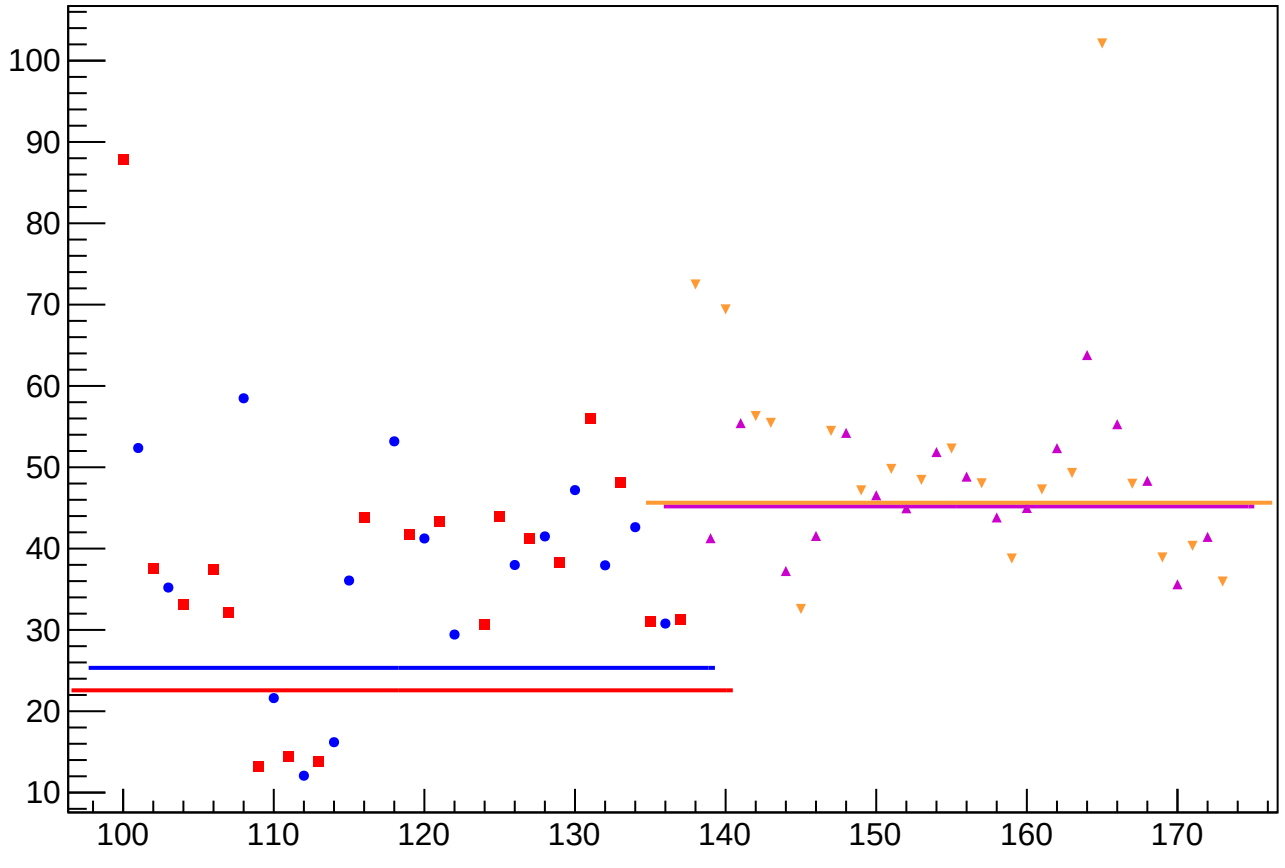
Left: 0.000+/-0.009 χ^2/NDF: 39.6/35

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:39.4/32

Out: -0.009+/-0.008 χ^2/NDF:35.5/37

All: 0.003+/-0.006 χ^2/NDF: 80.0/70



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 45.642+/-0.009 χ^2/NDF:1409427.4/18

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.189+/-0.009 χ^2/NDF:523426.1/16

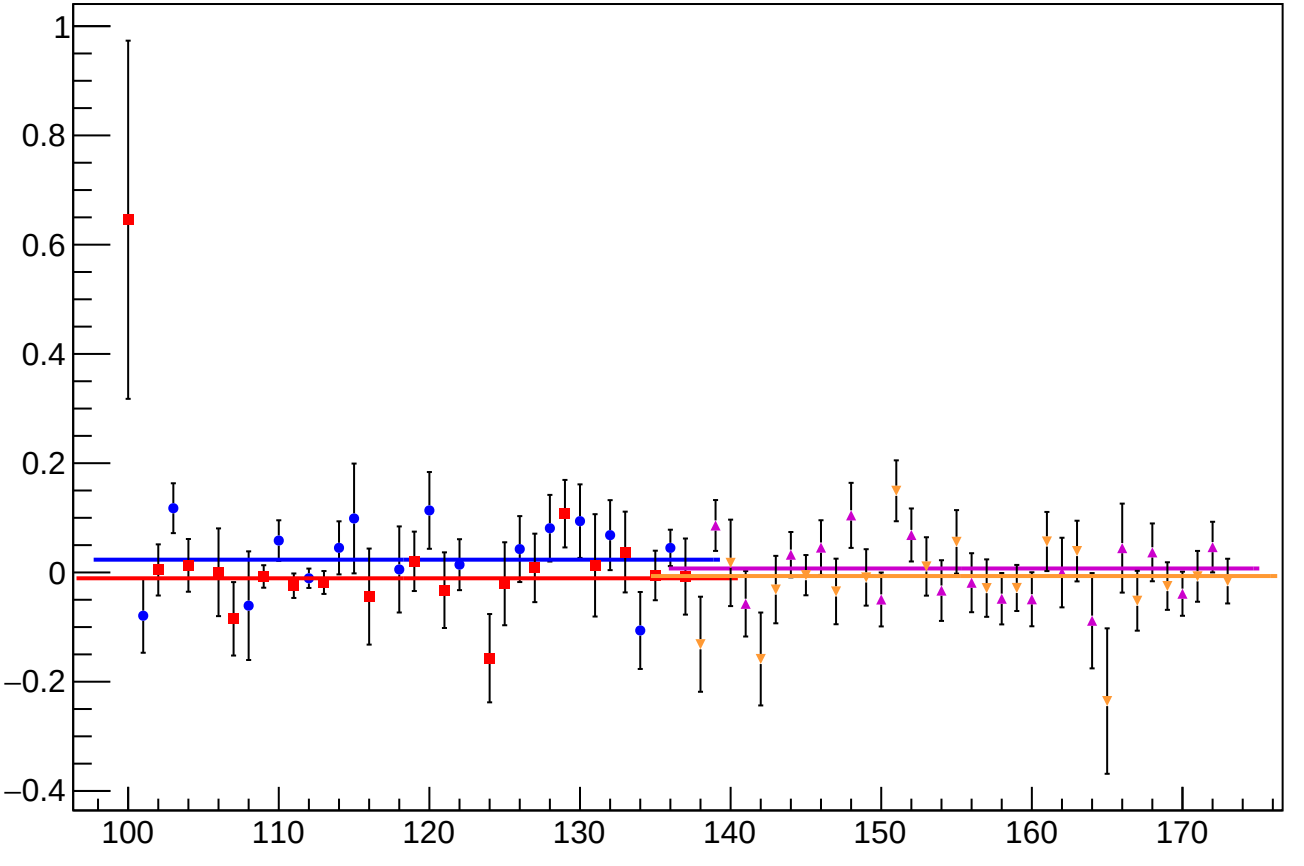
Left: 45.420+/-0.006 χ^2/NDF: 1934181.3/35

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 34.004+/-0.006 χ^2/NDF:6258758.8/32

Out: 31.537+/-0.005 χ^2/NDF:8855006.3/37

All: 32.671+/-0.004 χ^2/NDF: 15209047.1/70



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.007+/-0.012 χ^2/NDF:21.2/18

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.013 χ^2/NDF:17.8/16

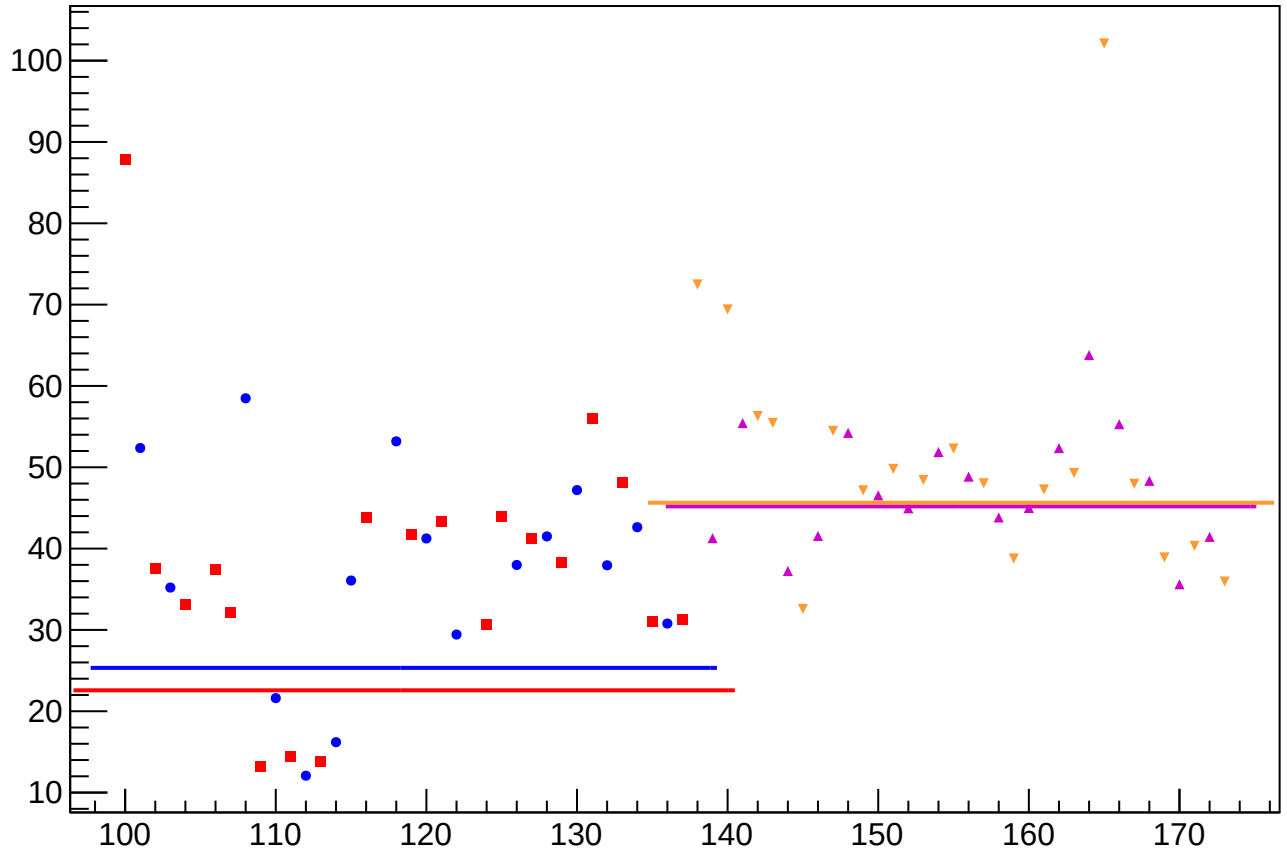
Left: 0.000+/-0.009 χ^2/NDF: 39.6/35

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:39.4/32

Out: -0.009+/-0.008 χ^2/NDF:35.5/37

All: 0.003+/-0.006 χ^2/NDF: 80.0/70



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 45.642+/-0.009 χ^2/NDF:1409427.4/18

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.189+/-0.009 χ^2/NDF:523426.1/16

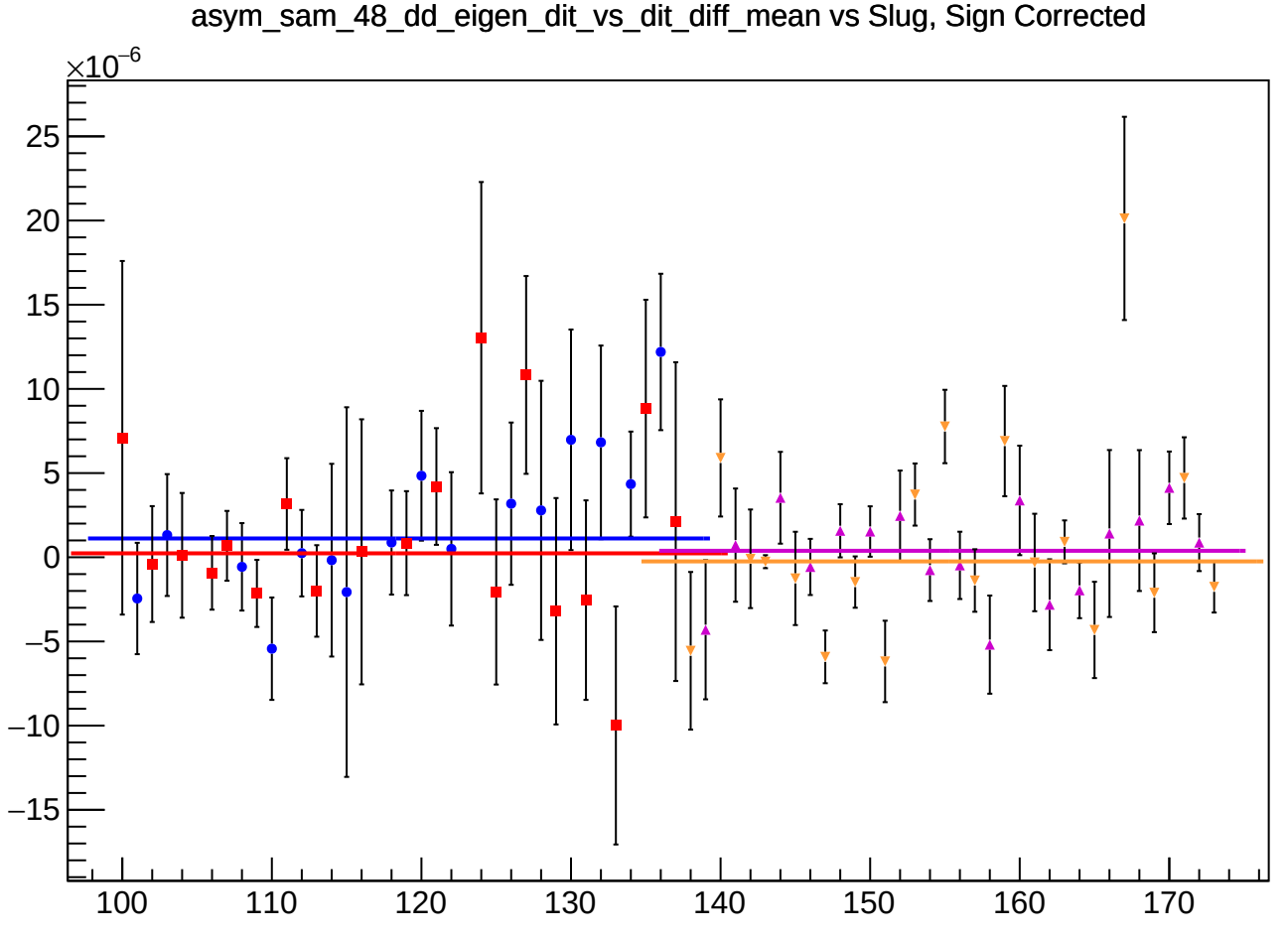
Left: 45.420+/-0.006 χ^2/NDF: 1934181.3/35

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 34.004+/-0.006 χ^2/NDF:6258758.8/32

Out: 31.537+/-0.005 χ^2/NDF:8855006.3/37

All: 32.671+/-0.004 χ^2/NDF: 15209047.1/70



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:67.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:16.5/16

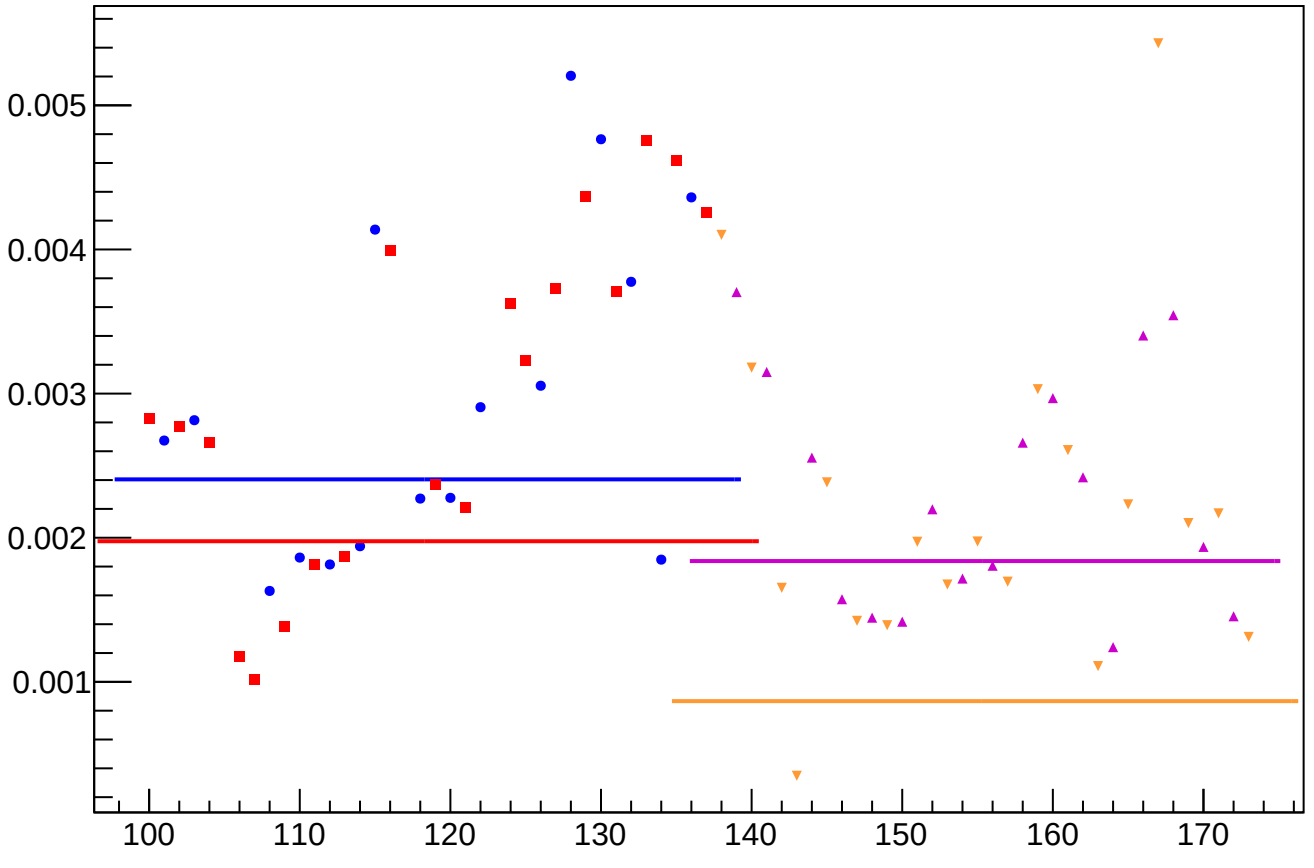
Left: -0.000+/-0.000 χ^2/NDF: 85.3/35

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:33.2/32

Out: -0.000+/-0.000 χ^2/NDF:83.1/37

All: 0.000+/-0.000 χ^2/NDF: 118.2/70



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:12970007.5/18

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:2620399.0/16

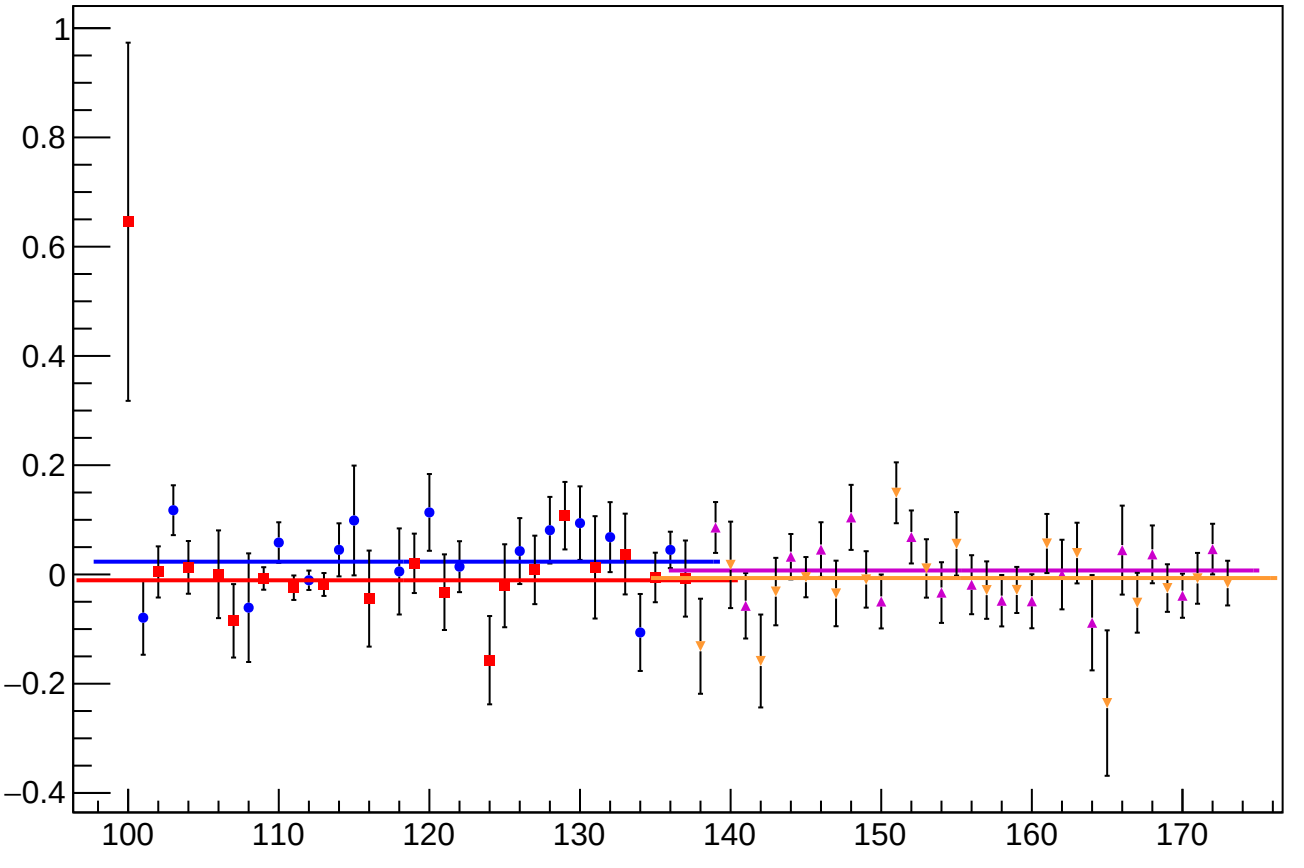
Left: 0.001+/-0.000 χ^2/NDF: 20621791.8/35

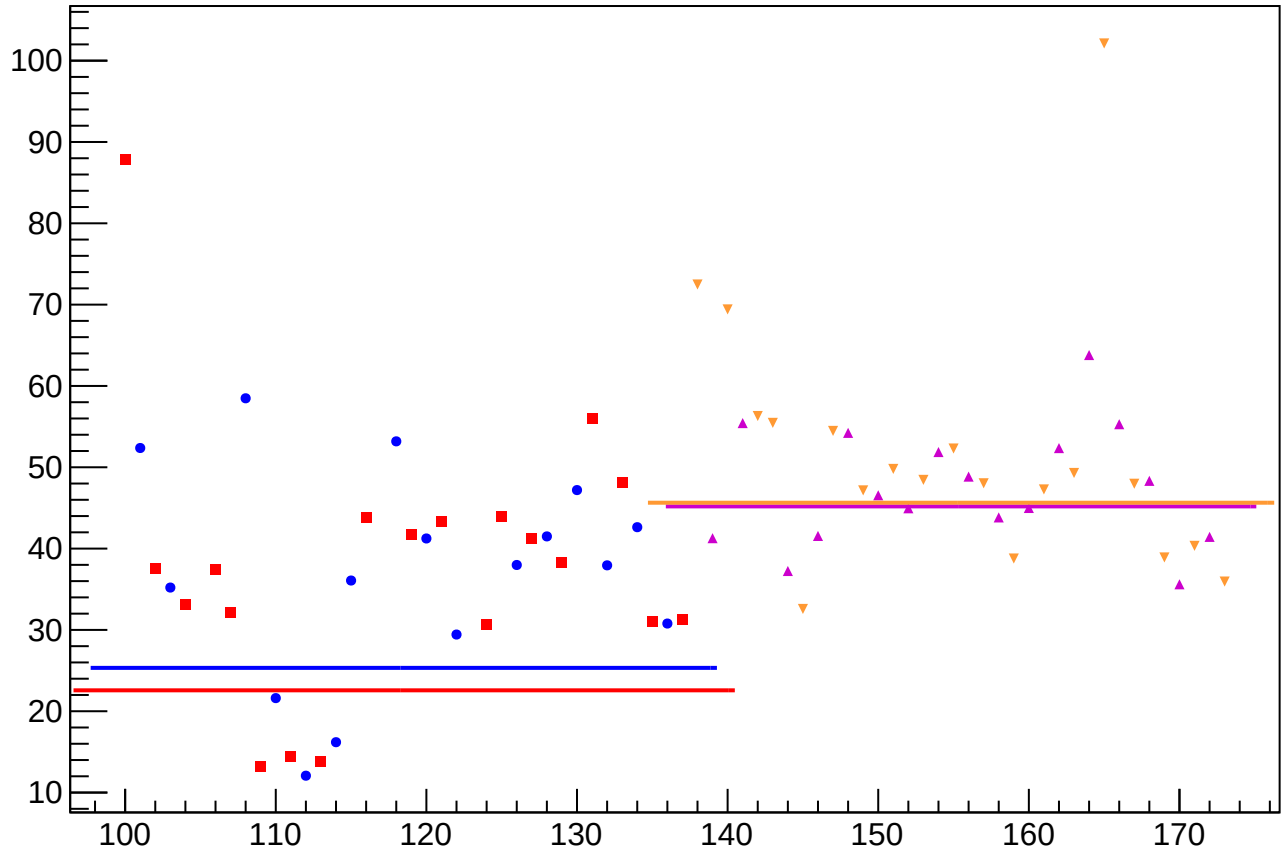
Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:4730730.1/32

Out: 0.001+/-0.000 χ^2/NDF:19008845.1/37

All: 0.001+/-0.000 χ^2/NDF: 30036298.3/70


asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: 0.023+/-0.011 χ²/NDF: 20.7/15
Left Out: -0.007+/-0.012 χ²/NDF:21.2/18
Right Out: -0.011+/-0.010 χ²/NDF: 14.2/18
Left In: 0.007+/-0.013 χ²/NDF:17.8/16
Left: 0.000+/-0.009 χ²/NDF: 39.6/35
Right: 0.004+/-0.007 χ²/NDF: 40.3/34
In: 0.016+/-0.008 χ²/NDF:39.4/32
Out: -0.009+/-0.008 χ²/NDF:35.5/37
All: 0.003+/-0.006 χ²/NDF: 80.0/70



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 45.642+/-0.009 χ^2/NDF:1409416.0/18

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.189+/-0.009 χ^2/NDF:523438.3/16

Left: 45.421+/-0.006 χ^2/NDF: 1934182.1/35

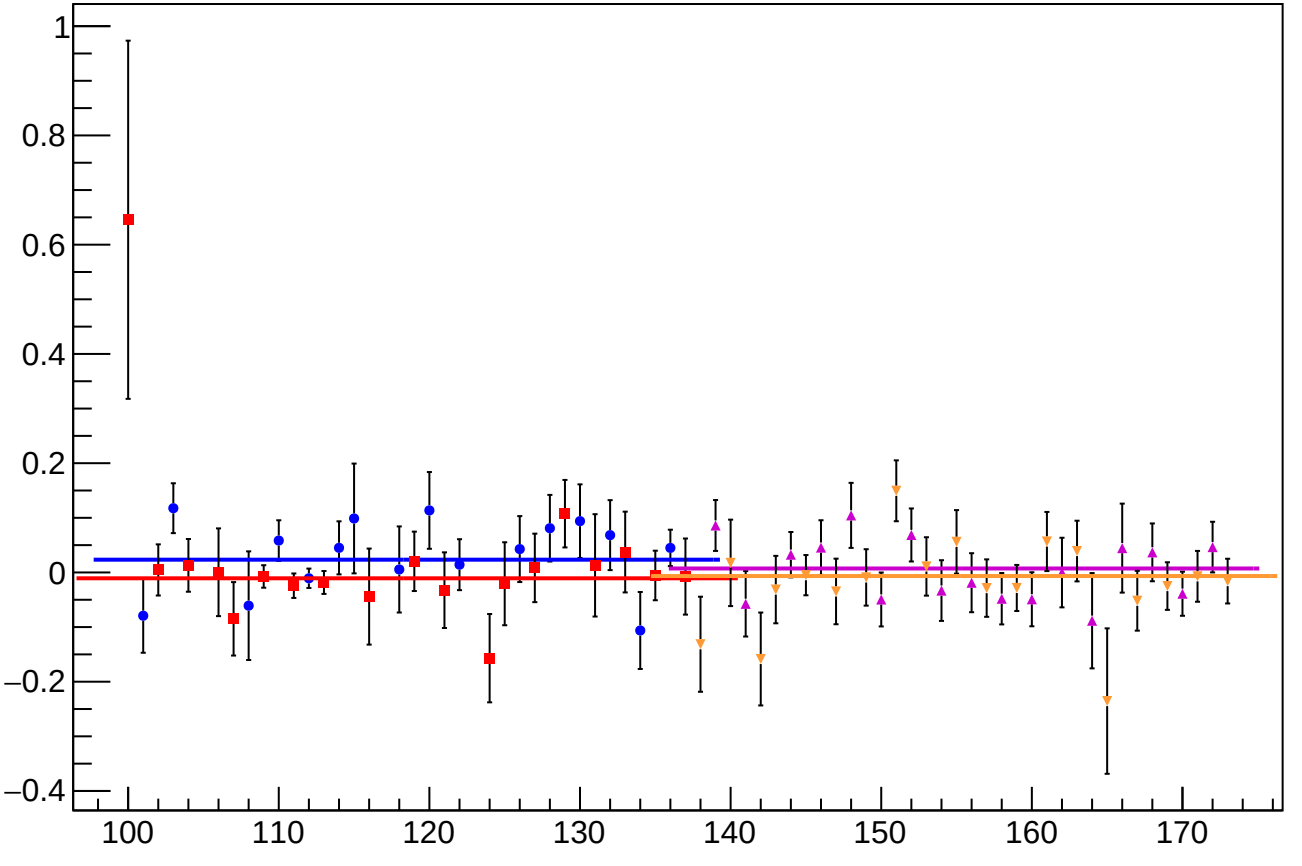
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 34.003+/-0.006 χ^2/NDF:6259697.3/32

Out: 31.537+/-0.005 χ^2/NDF:8855353.1/37

All: 32.671+/-0.004 χ^2/NDF: 15210277.2/70

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: -0.007+/-0.012 χ^2/NDF:21.2/18

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.013 χ^2/NDF:17.8/16

Left: 0.000+/-0.009 χ^2/NDF: 39.6/35

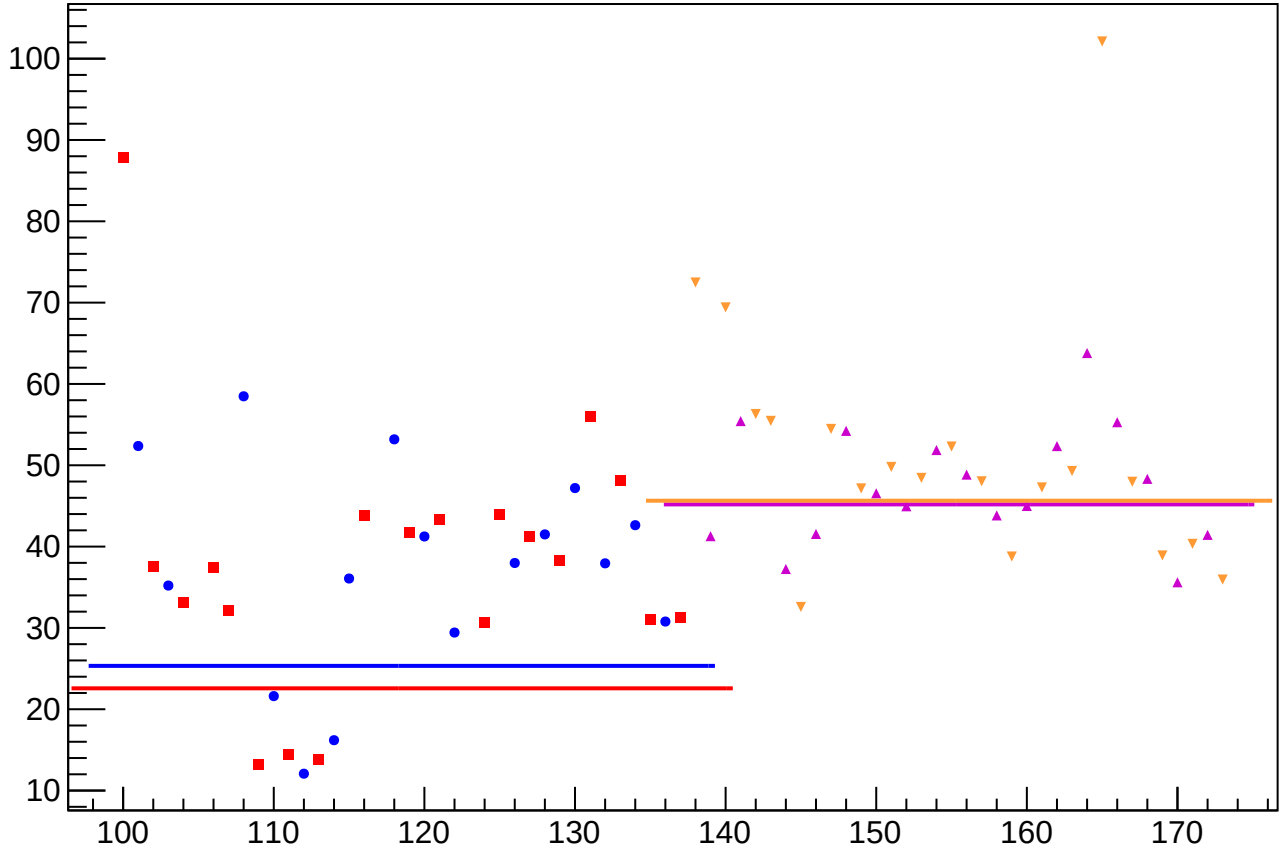
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:39.4/32

Out: -0.009+/-0.008 χ^2/NDF:35.5/37

All: 0.003+/-0.006 χ^2/NDF: 80.0/70

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 45.642+/-0.009 χ^2/NDF:1409416.0/18

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.189+/-0.009 χ^2/NDF:523438.3/16

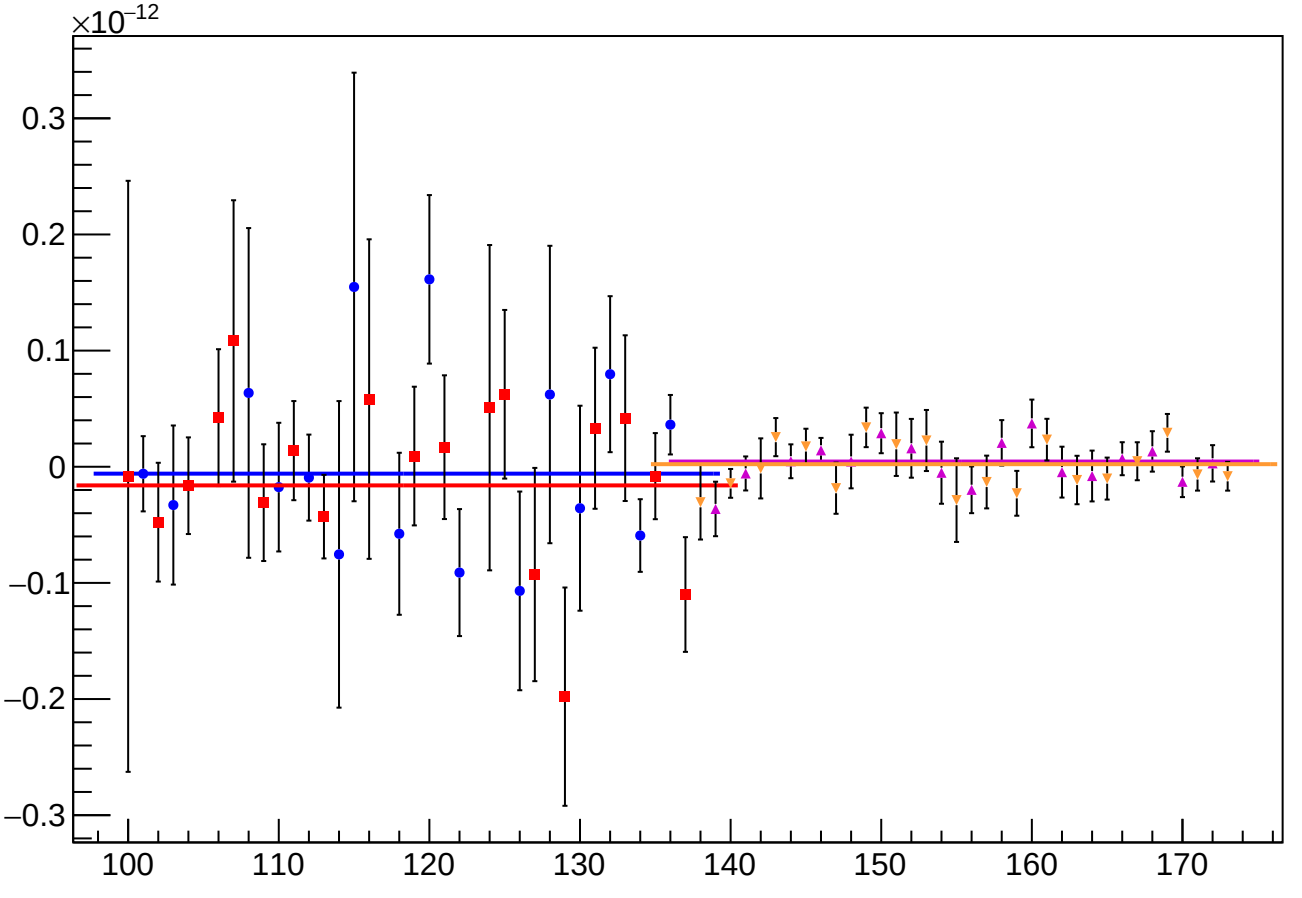
Left: 45.421+/-0.006 χ^2/NDF: 1934182.1/35

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 34.003+/-0.006 χ^2/NDF:6259697.3/32

Out: 31.537+/-0.005 χ^2/NDF:8855353.1/37

All: 32.671+/-0.004 χ^2/NDF: 15210277.2/70



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.9/16

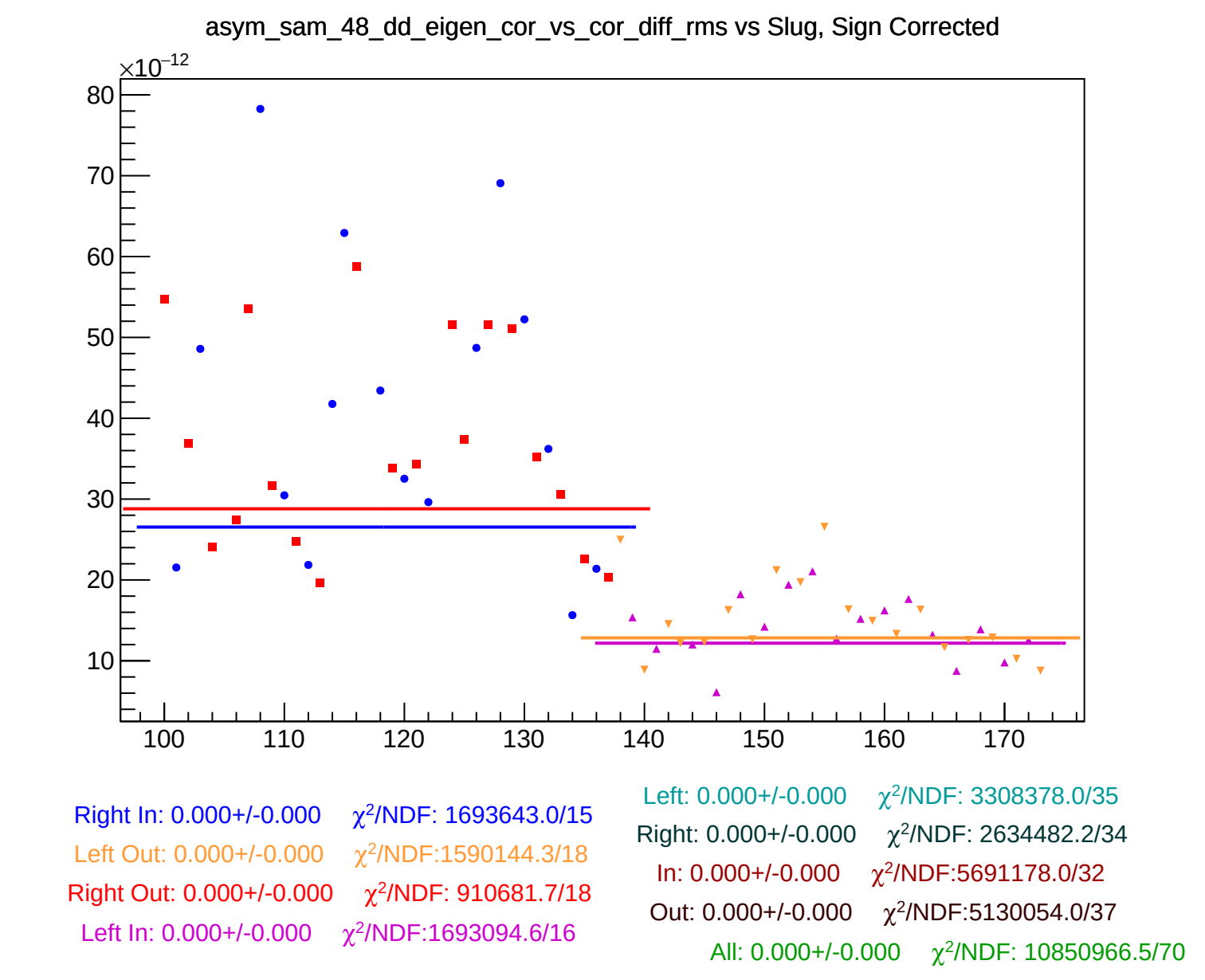
Left: 0.000+/-0.000 χ^2/NDF: 34.3/35

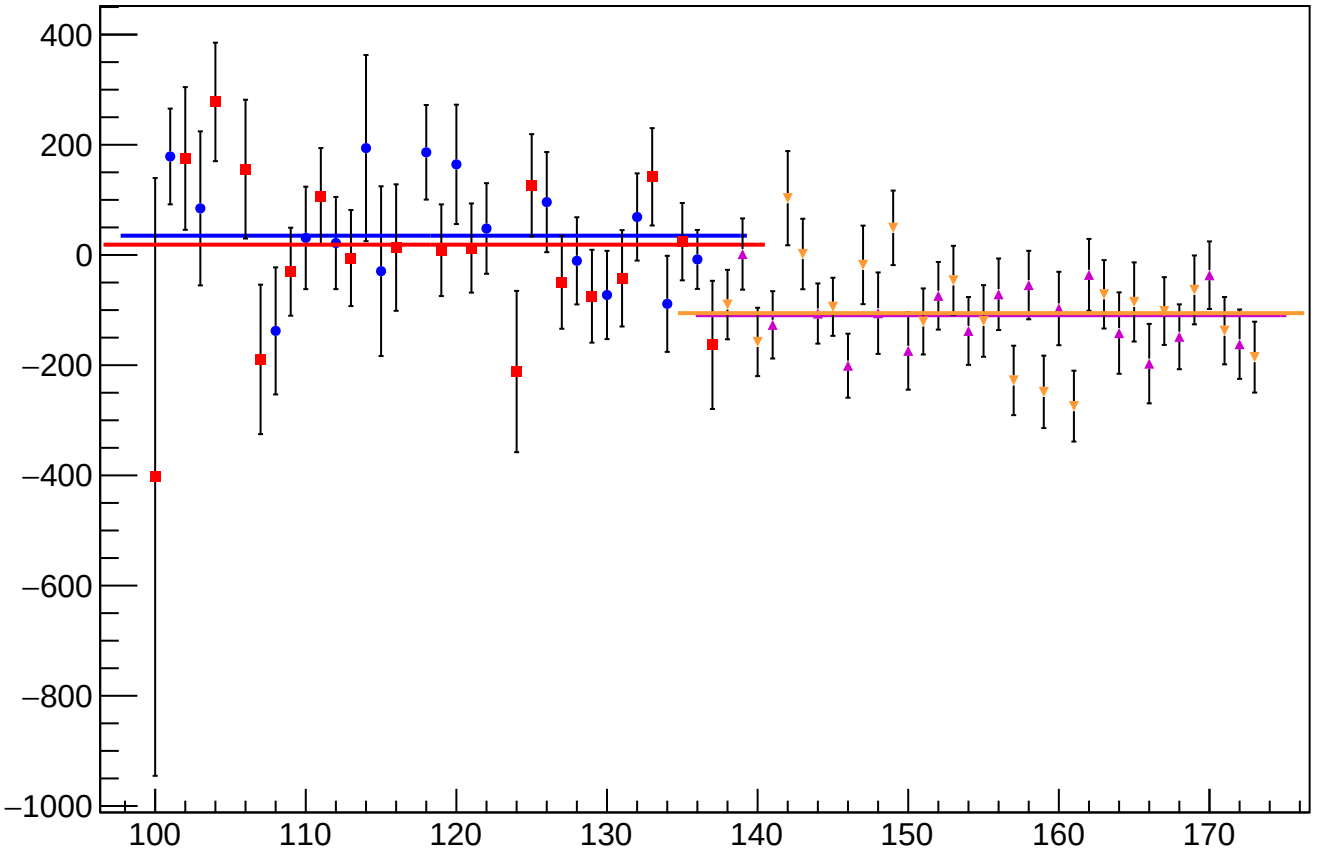
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:33.3/32

Out: 0.000+/-0.000 χ^2/NDF:37.0/37

All: 0.000+/-0.000 χ^2/NDF: 70.5/70


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
170
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1590144.3/18
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1693094.6/16
Left: 0.000+/-0.000 χ²/NDF: 3308378.0/35
Right: 0.000+/-0.000 χ²/NDF: 2634482.2/34
In: 0.000+/-0.000 χ²/NDF:5691178.0/32
Out: 0.000+/-0.000 χ²/NDF:5130054.0/37
All: 0.000+/-0.000 χ²/NDF: 10850966.5/70



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -105.547+/-14.671 χ^2/NDF:35.4/18

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -109.252+/-15.447 χ^2/NDF:13.5/16

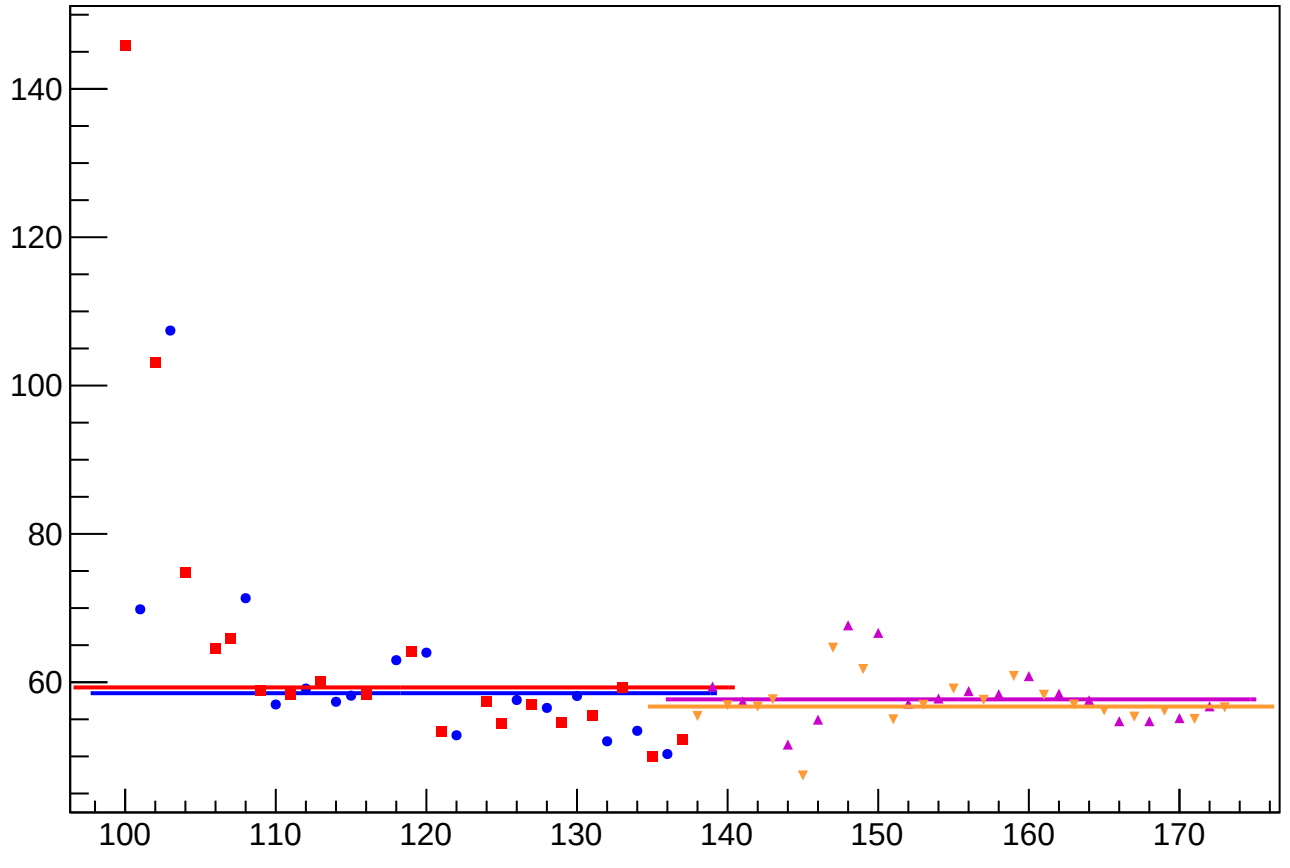
Left: -107.304+/-10.638 χ^2/NDF: 48.9/35

Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -62.001+/-12.667 χ^2/NDF:58.3/32

Out: -67.632+/-12.229 χ^2/NDF:80.8/37

All: -64.916+/-8.798 χ^2/NDF: 139.2/70



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.720+/-0.010 χ^2/NDF:116308.3/18

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 57.691+/-0.011 χ^2/NDF:117559.8/16

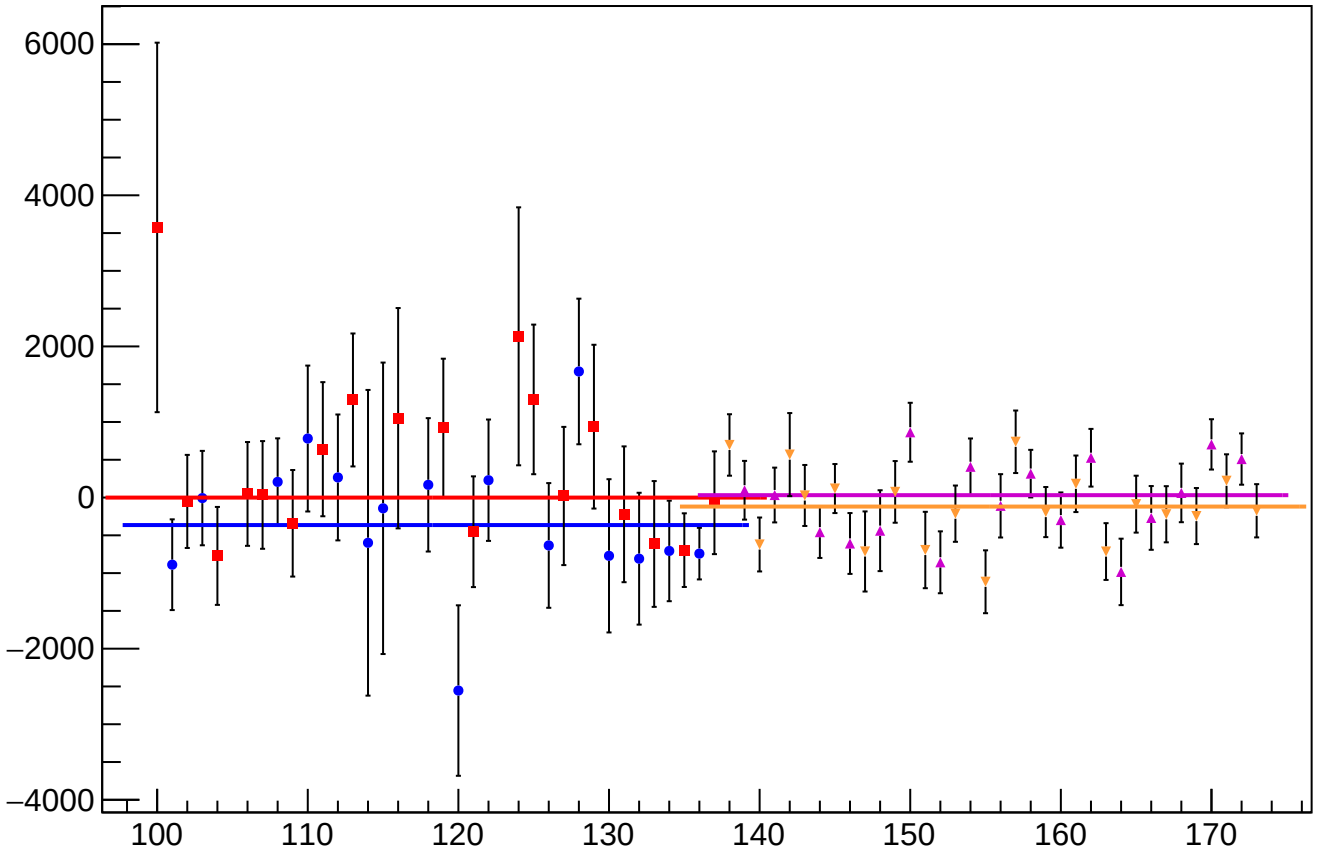
Left: 57.180+/-0.008 χ^2/NDF: 238022.9/35

Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 57.963+/-0.009 χ^2/NDF:512197.4/32

Out: 57.508+/-0.009 χ^2/NDF:541817.4/37

All: 57.727+/-0.006 χ^2/NDF: 1055352.2/70



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -119.357+/-89.000 χ^2/NDF:25.5/18

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: 31.474+/-92.296 χ^2/NDF:31.0/16

Left: -46.683+/-64.066 χ^2/NDF: 57.8/35

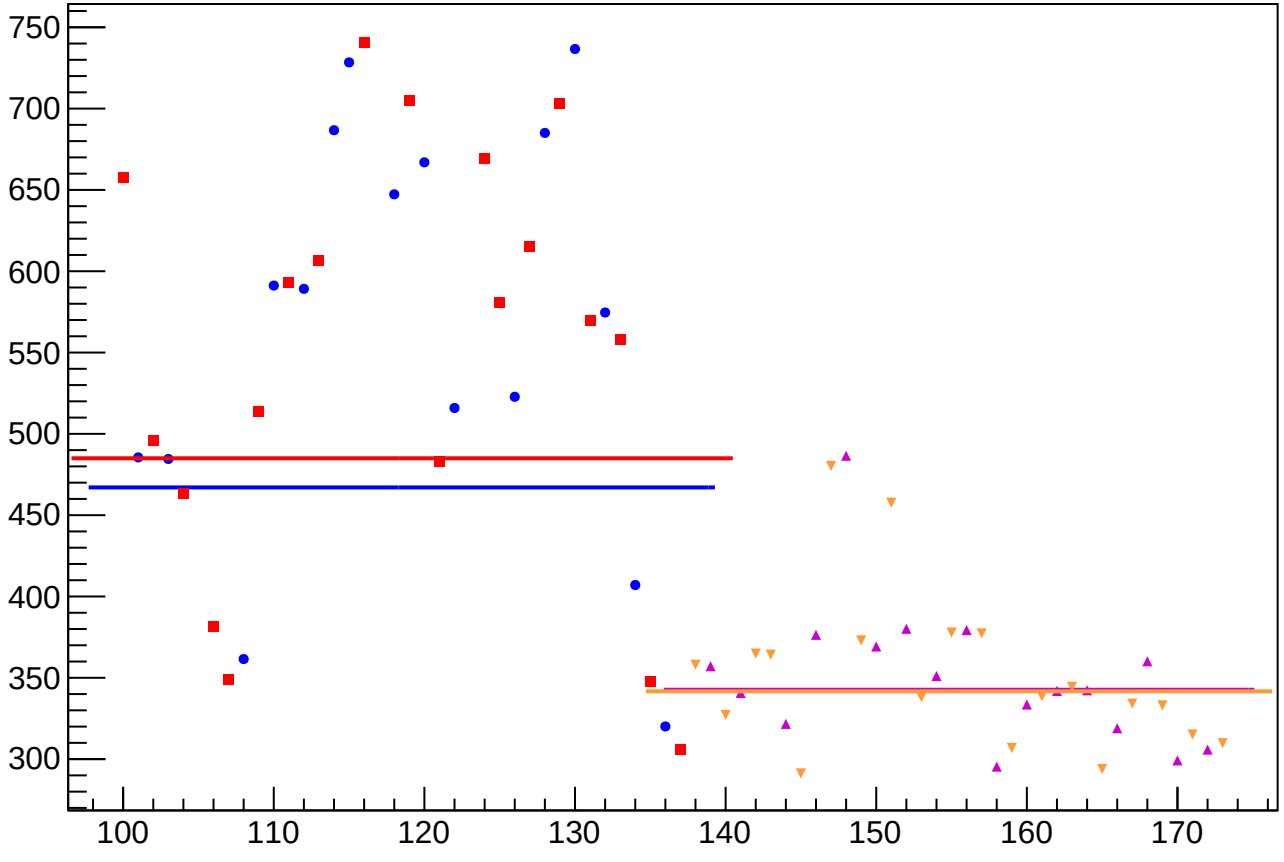
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -50.439+/-82.185 χ^2/NDF:50.0/32

Out: -96.652+/-80.044 χ^2/NDF:40.9/37

All: -74.156+/-57.342 χ^2/NDF: 91.1/70

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: 341.694+/-0.063 χ^2/NDF:432816.5/18

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 342.660+/-0.065 χ^2/NDF:325685.6/16

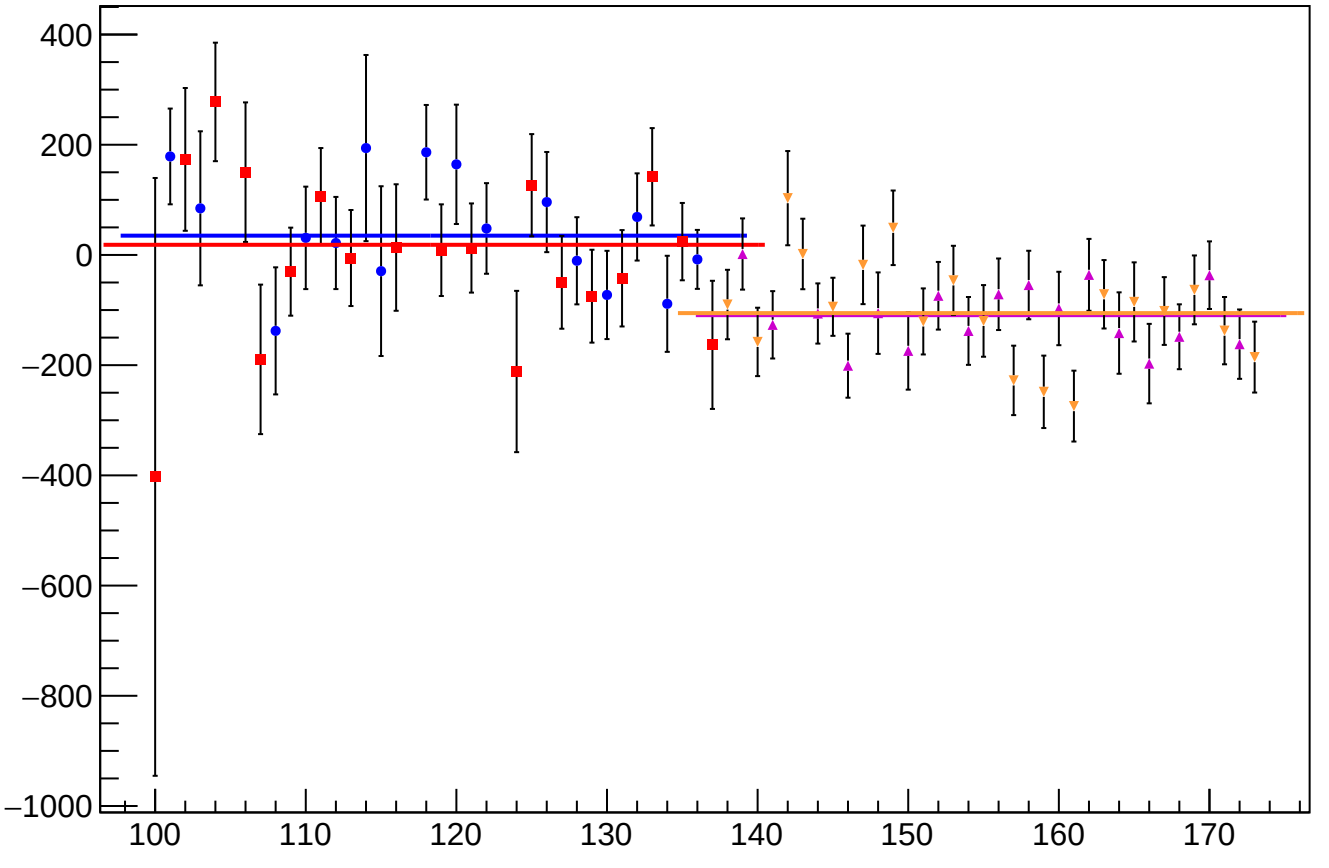
Left: 342.160+/-0.045 χ^2/NDF: 758615.7/35

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 368.424+/-0.058 χ^2/NDF:2108471.5/32

Out: 369.082+/-0.057 χ^2/NDF:2297781.6/37

All: 368.761+/-0.041 χ^2/NDF: 4406319.0/70



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -105.545+/-14.671 χ^2/NDF:35.4/18

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -109.254+/-15.447 χ^2/NDF:13.5/16

Left: -107.304+/-10.638 χ^2/NDF: 48.9/35

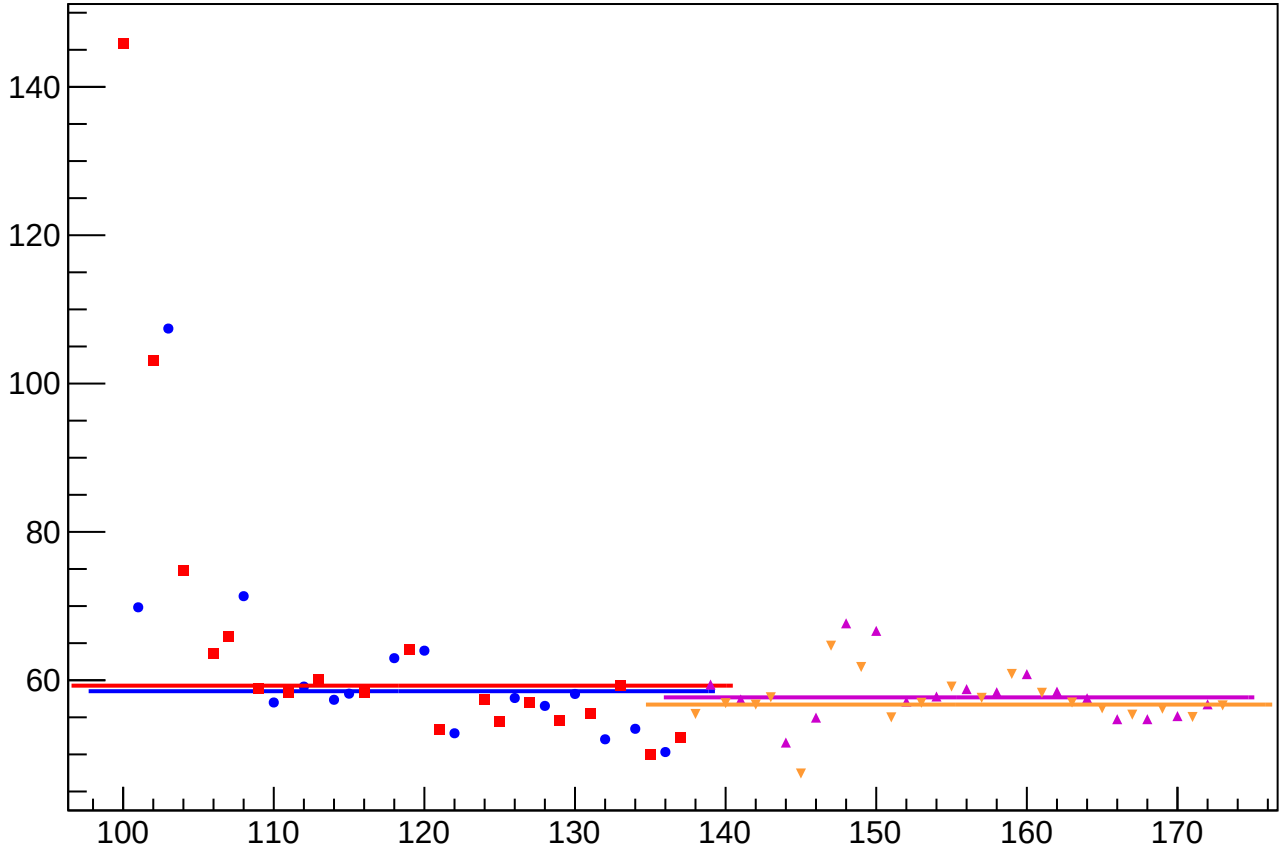
Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -62.003+/-12.667 χ^2/NDF:58.3/32

Out: -67.724+/-12.230 χ^2/NDF:80.5/37

All: -64.964+/-8.798 χ^2/NDF: 138.9/70

cor_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.720+/-0.010 χ^2/NDF:116308.3/18

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.691+/-0.011 χ^2/NDF:117559.8/16

Left: 57.180+/-0.008 χ^2/NDF: 238022.9/35

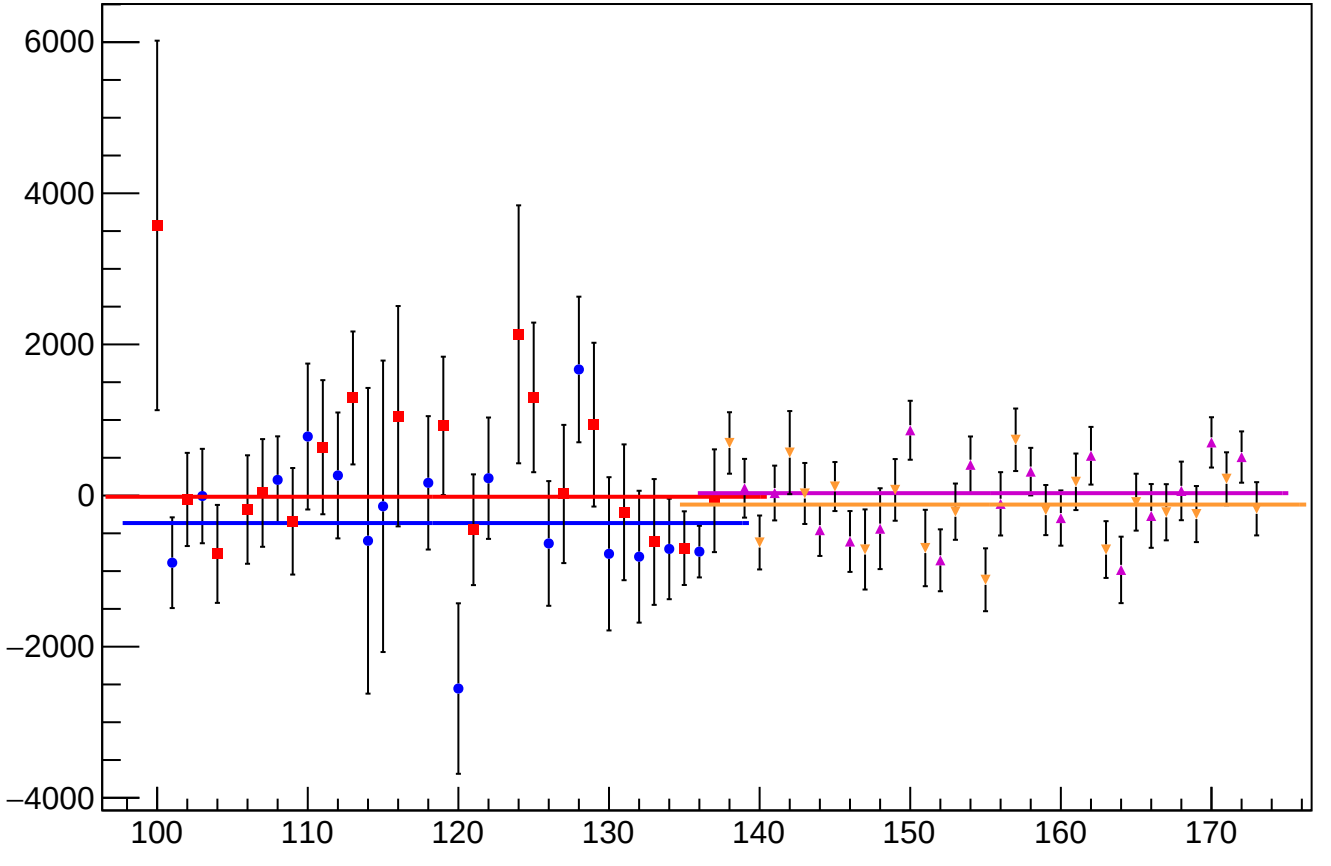
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.963+/-0.009 χ^2/NDF:512199.5/32

Out: 57.498+/-0.009 χ^2/NDF:540354.4/37

All: 57.722+/-0.006 χ^2/NDF: 1053950.1/70

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: -119.358+/-89.000 χ^2/NDF:25.5/18

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 31.473+/-92.296 χ^2/NDF:31.0/16

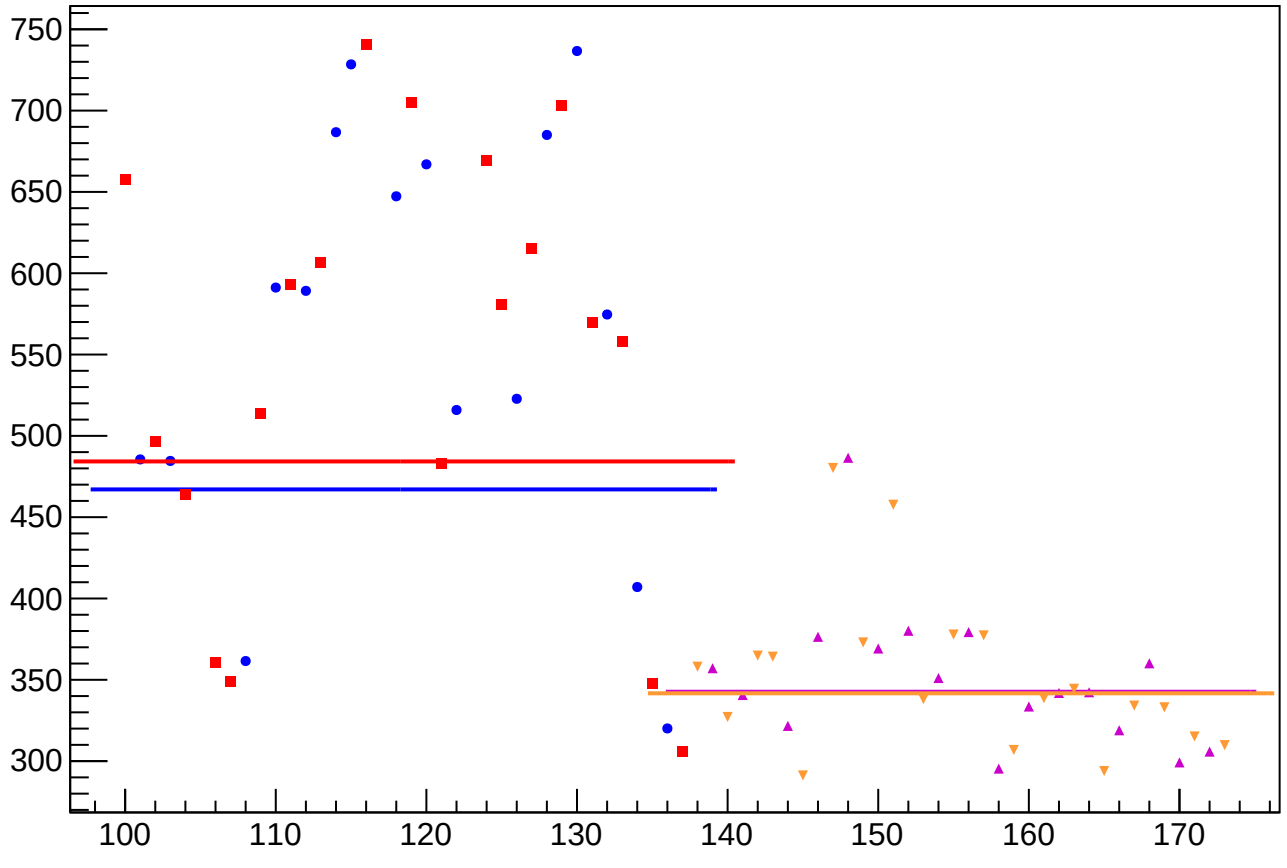
Left: -46.683+/-64.066 χ^2/NDF: 57.8/35

Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -50.432+/-82.186 χ^2/NDF:50.0/32

Out: -99.717+/-80.091 χ^2/NDF:40.9/37

All: -75.710+/-57.359 χ^2/NDF: 91.0/70



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 341.694+/-0.063 χ^2/NDF:432816.0/18

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 342.661+/-0.065 χ^2/NDF:325687.6/16

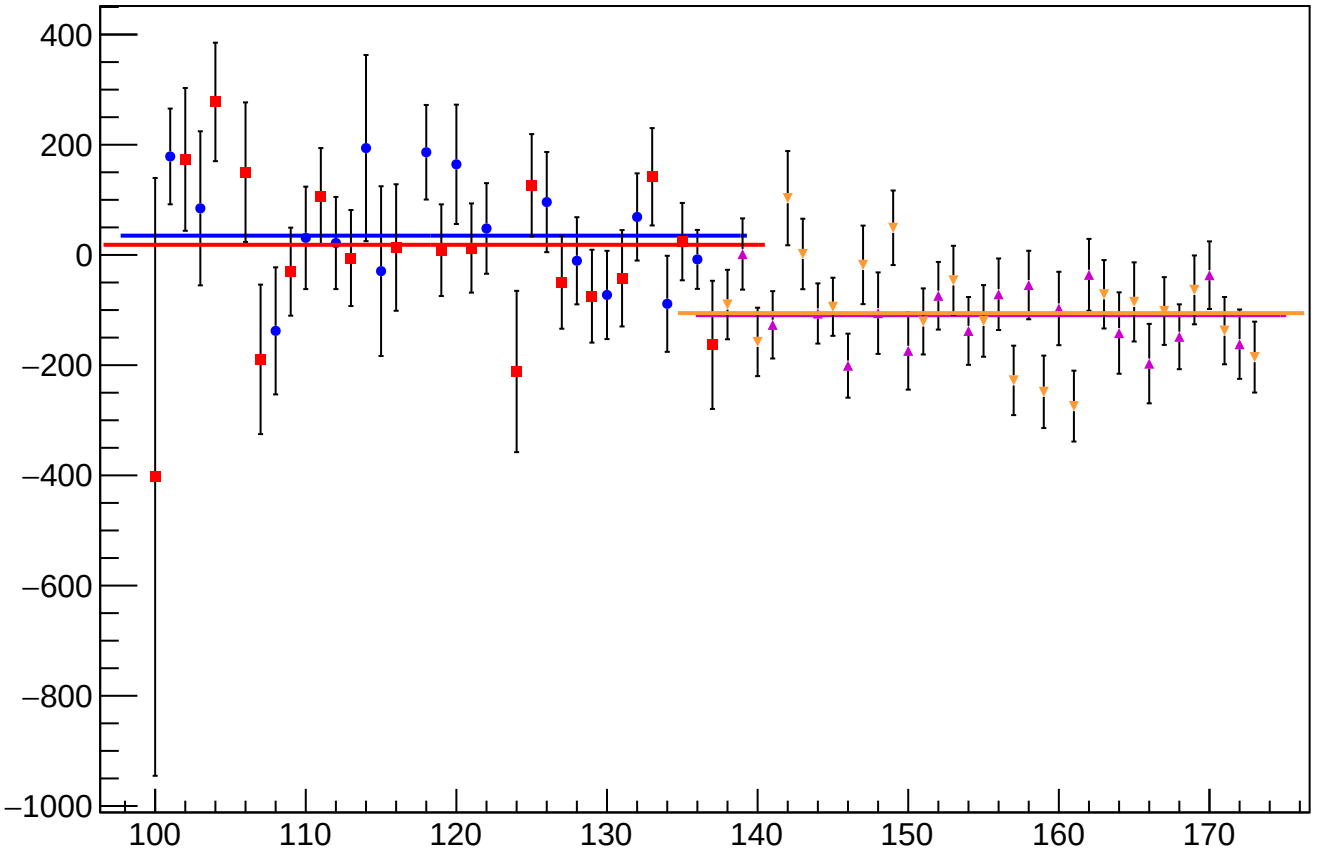
Left: 342.160+/-0.045 χ^2/NDF: 758617.1/35

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 368.424+/-0.058 χ^2/NDF:2108499.2/32

Out: 368.811+/-0.057 χ^2/NDF:2297824.3/37

All: 368.623+/-0.041 χ^2/NDF: 4406346.3/70



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -105.545+/-14.671 χ^2/NDF:35.4/18

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -109.254+/-15.447 χ^2/NDF:13.5/16

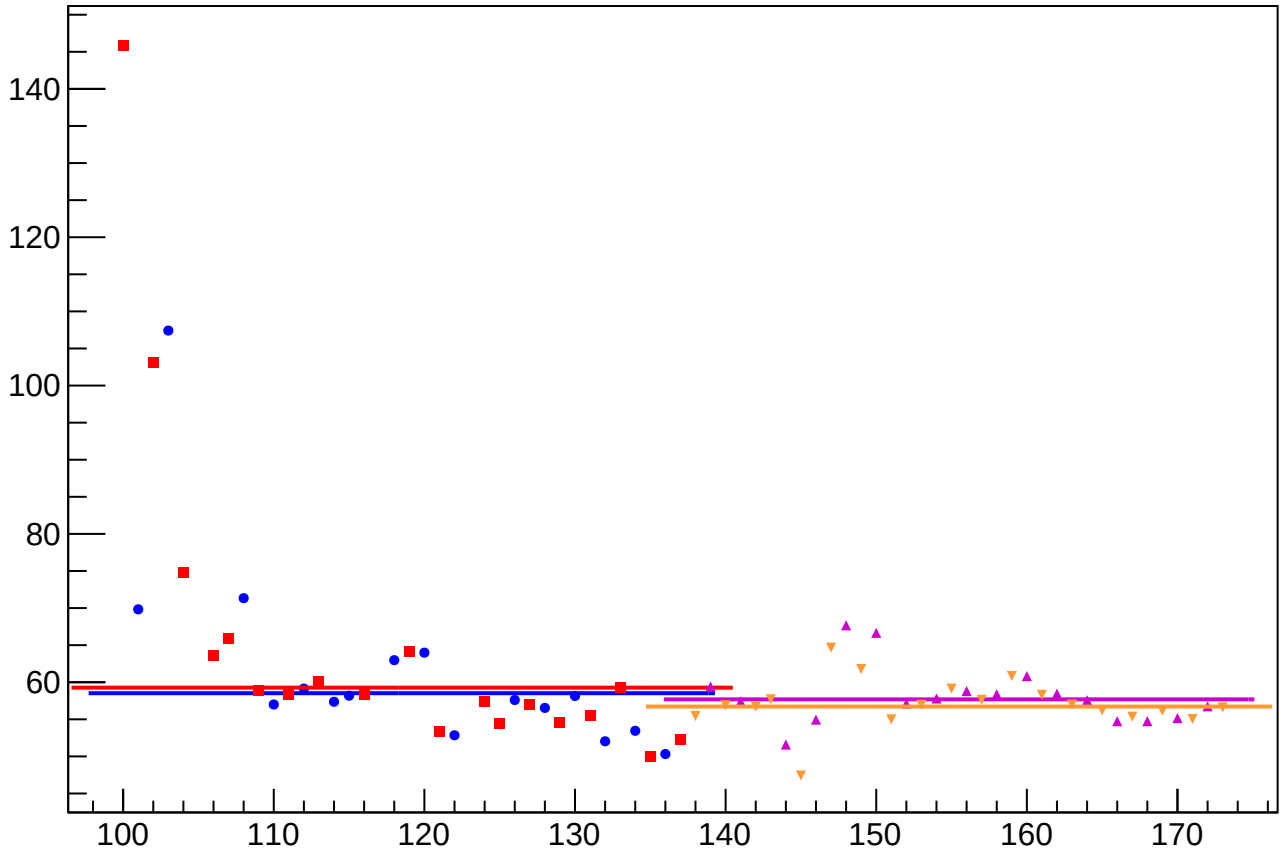
Left: -107.304+/-10.638 χ^2/NDF: 48.9/35

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -62.003+/-12.667 χ^2/NDF:58.3/32

Out: -67.724+/-12.230 χ^2/NDF:80.5/37

All: -64.964+/-8.798 χ^2/NDF: 138.9/70



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.720+/-0.010 χ^2/NDF:116308.3/18

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.691+/-0.011 χ^2/NDF:117559.8/16

Left: 57.180+/-0.008 χ^2/NDF: 238022.9/35

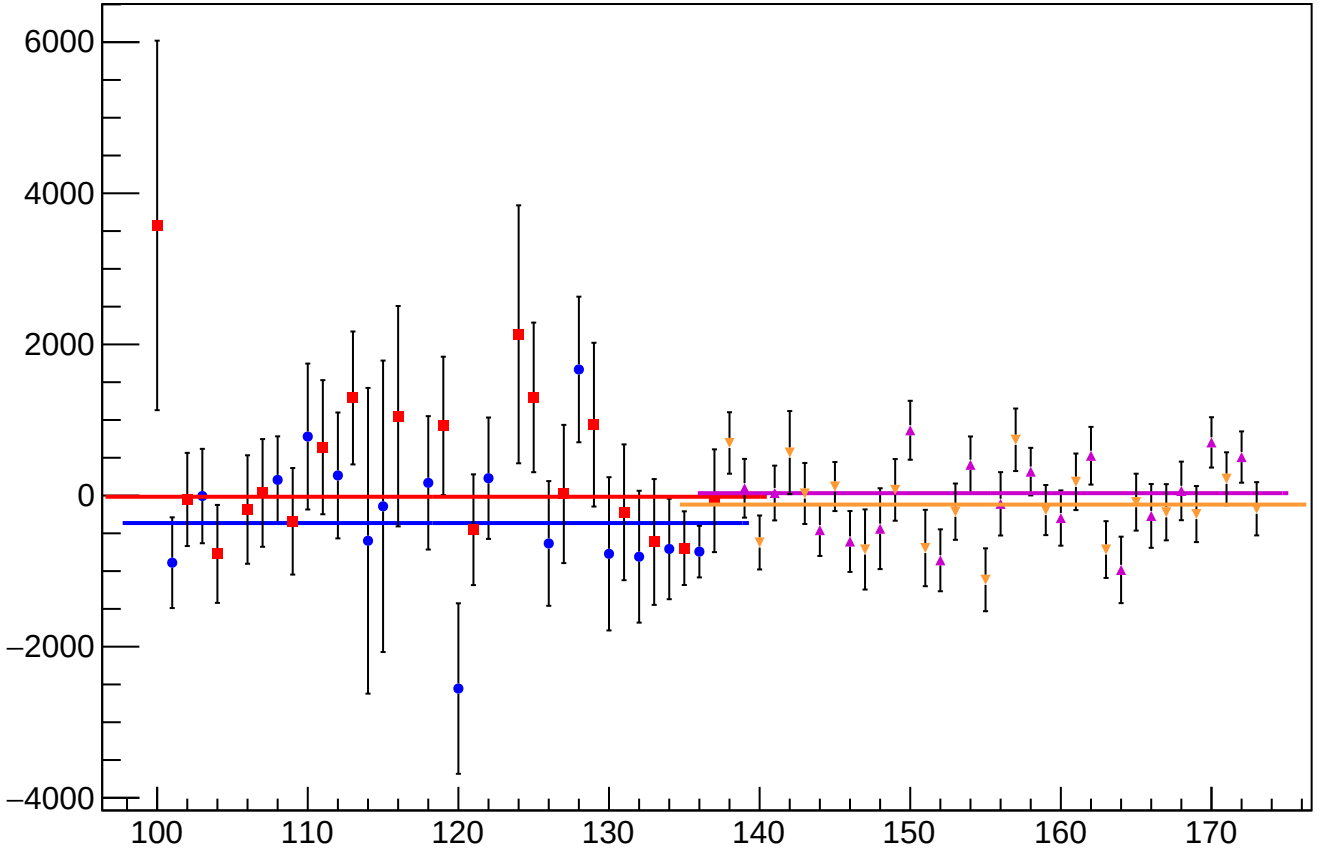
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.963+/-0.009 χ^2/NDF:512199.5/32

Out: 57.498+/-0.009 χ^2/NDF:540354.4/37

All: 57.722+/-0.006 χ^2/NDF: 1053950.1/70

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -119.358+/-89.000 χ^2/NDF:25.5/18

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 31.473+/-92.296 χ^2/NDF:31.0/16

Left: -46.683+/-64.066 χ^2/NDF: 57.8/35

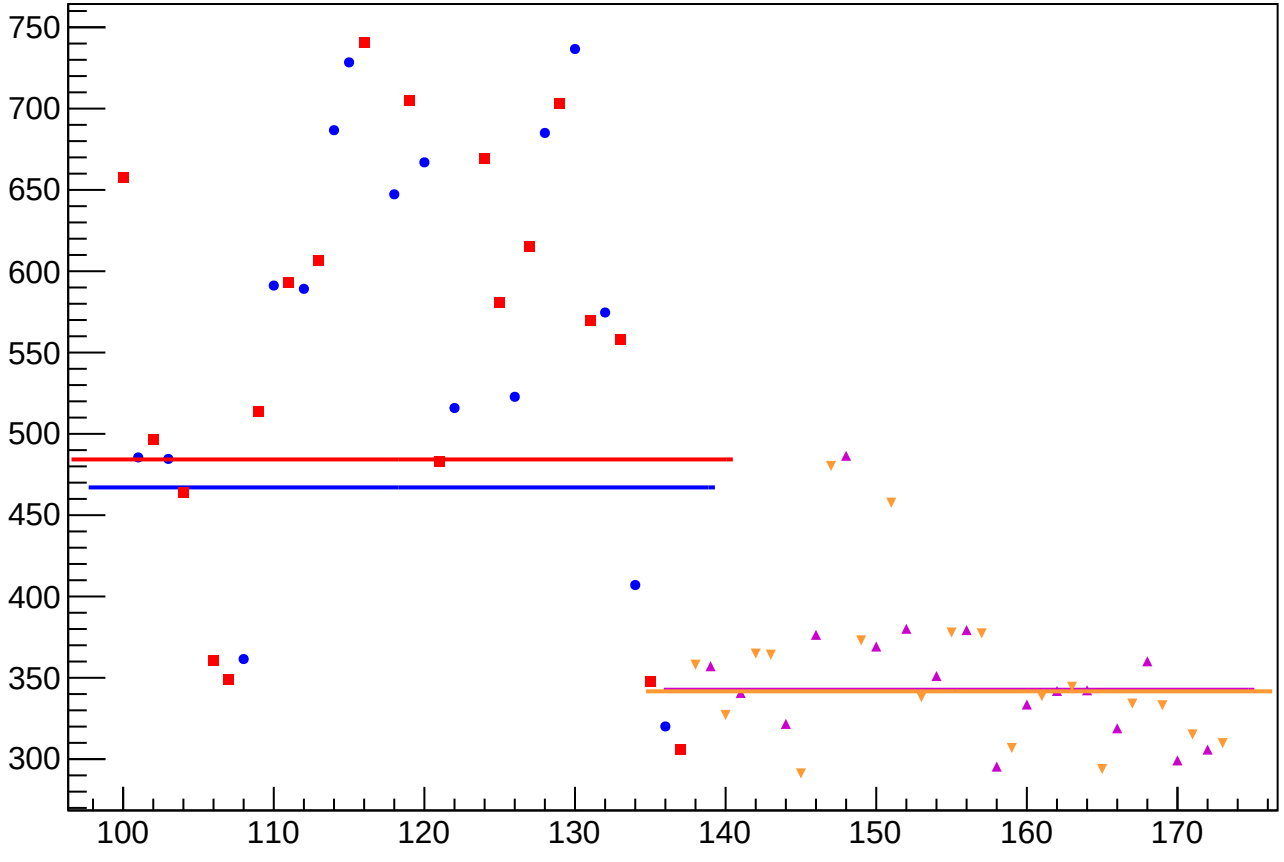
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -50.432+/-82.186 χ^2/NDF:50.0/32

Out: -99.717+/-80.091 χ^2/NDF:40.9/37

All: -75.710+/-57.359 χ^2/NDF: 91.0/70

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: 341.694+/-0.063 χ^2/NDF:432816.0/18

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 342.661+/-0.065 χ^2/NDF:325687.6/16

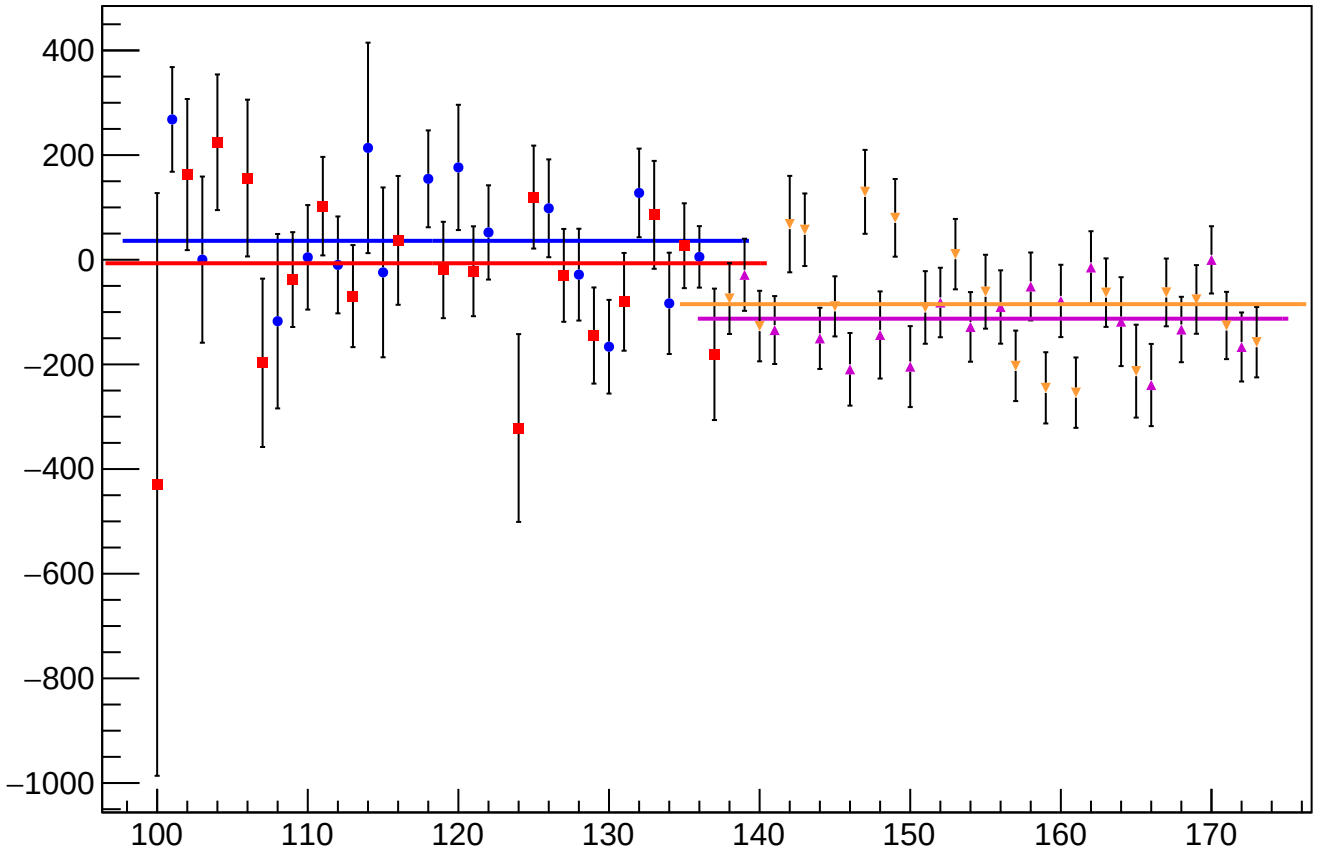
Left: 342.160+/-0.045 χ^2/NDF: 758617.1/35

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 368.424+/-0.058 χ^2/NDF:2108499.2/32

Out: 368.811+/-0.057 χ^2/NDF:2297824.3/37

All: 368.623+/-0.041 χ^2/NDF: 4406346.3/70



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -84.909+/-15.841 χ^2/NDF:40.4/18

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -112.655+/-16.667 χ^2/NDF:15.5/16

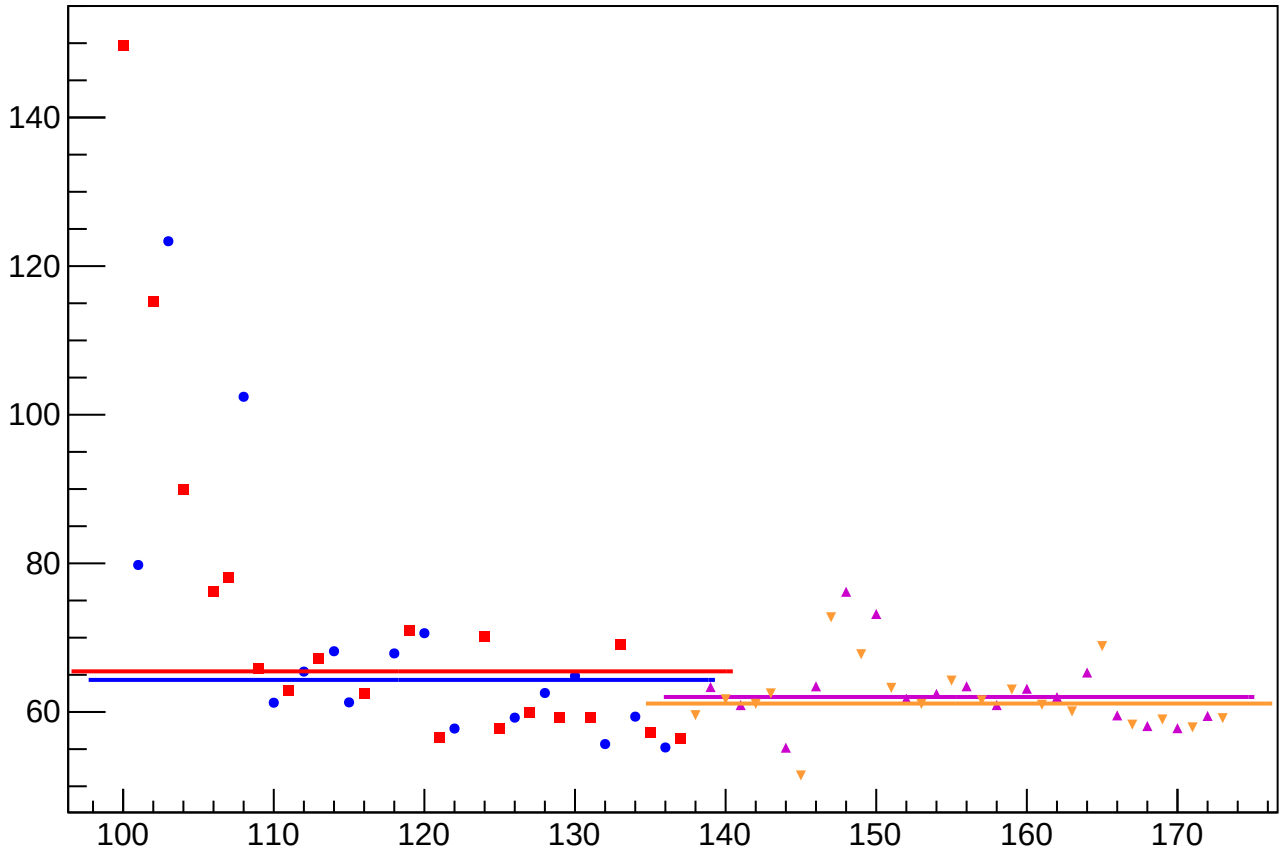
Left: -98.077+/-11.482 χ^2/NDF: 57.4/35

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -65.498+/-13.776 χ^2/NDF:60.4/32

Out: -61.949+/-13.313 χ^2/NDF:67.9/37

All: -63.663+/-9.573 χ^2/NDF: 128.3/70



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.133+/-0.011 χ^2/NDF:152346.1/18

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 62.018+/-0.012 χ^2/NDF:155246.1/16

Left: 61.553+/-0.008 χ^2/NDF: 310554.0/35

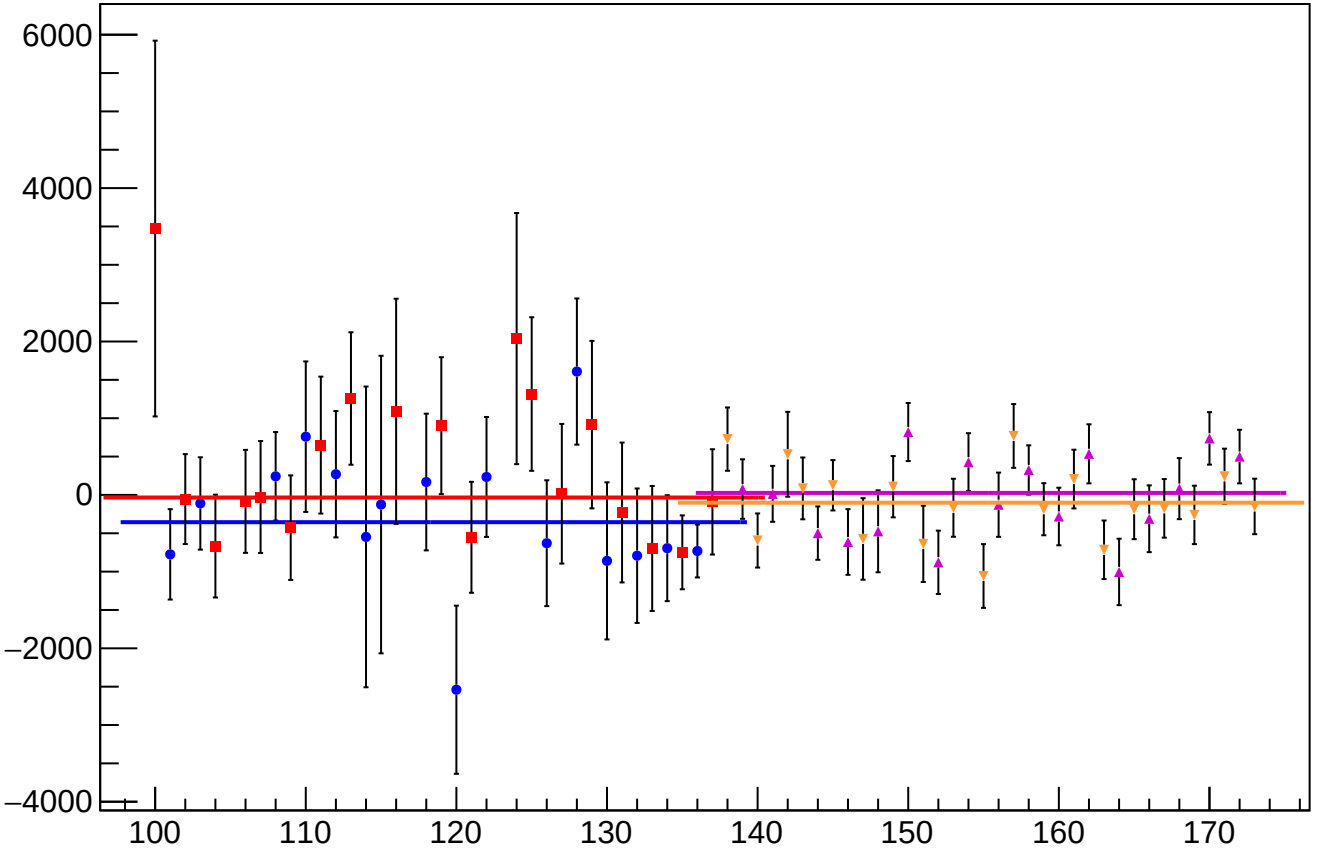
Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 62.746+/-0.010 χ^2/NDF:699362.8/32

Out: 62.406+/-0.009 χ^2/NDF:678657.8/37

All: 62.570+/-0.007 χ^2/NDF: 1378652.7/70

asym_sam_13_57_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -101.489+/-90.154 χ^2/NDF:24.4/18

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: 26.173+/-93.603 χ^2/NDF:31.6/16

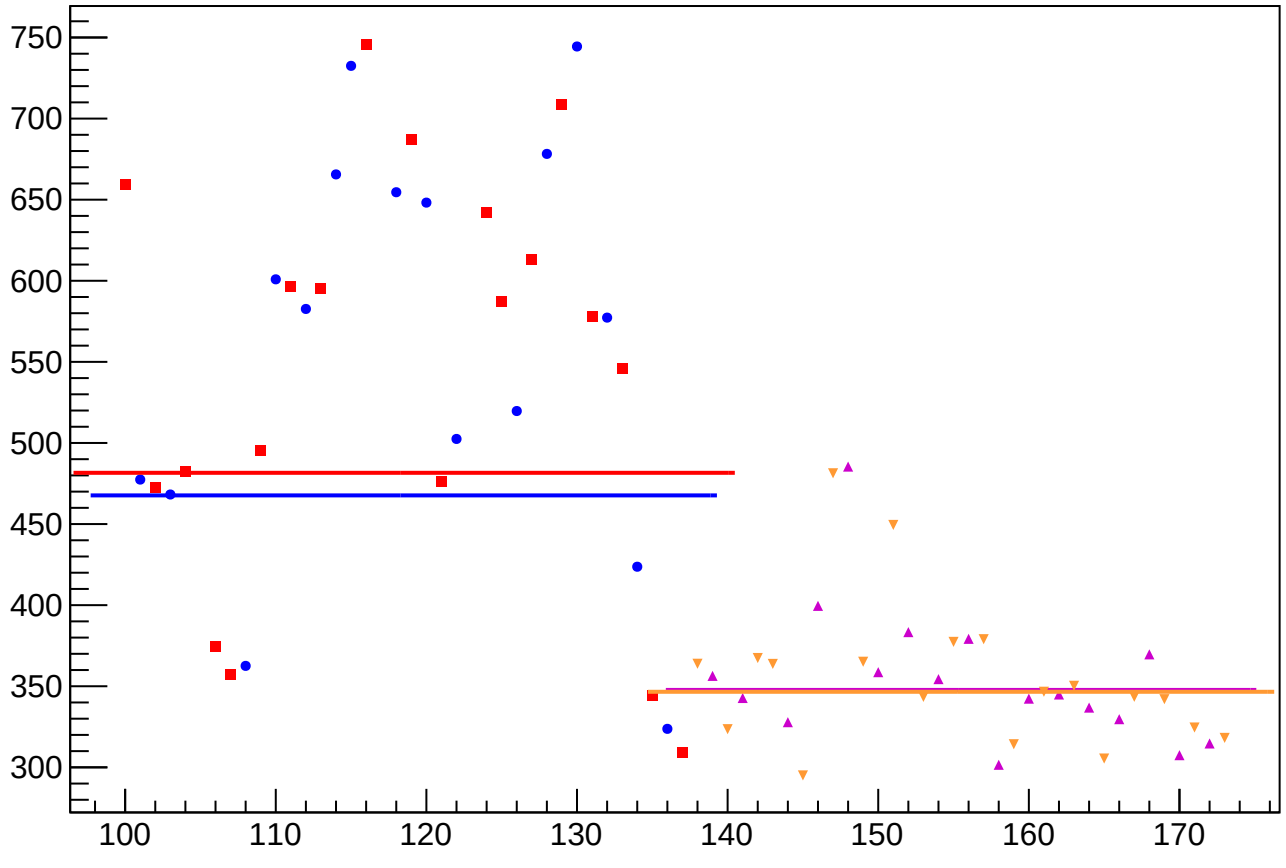
Left: -40.054+/-64.934 χ^2/NDF: 56.9/35

Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -54.838+/-83.078 χ^2/NDF:49.9/32

Out: -88.098+/-80.747 χ^2/NDF:39.9/37

All: -71.941+/-57.904 χ^2/NDF: 89.9/70



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 346.589+/-0.064 χ^2/NDF:370435.5/18

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 347.738+/-0.066 χ^2/NDF:296771.9/16

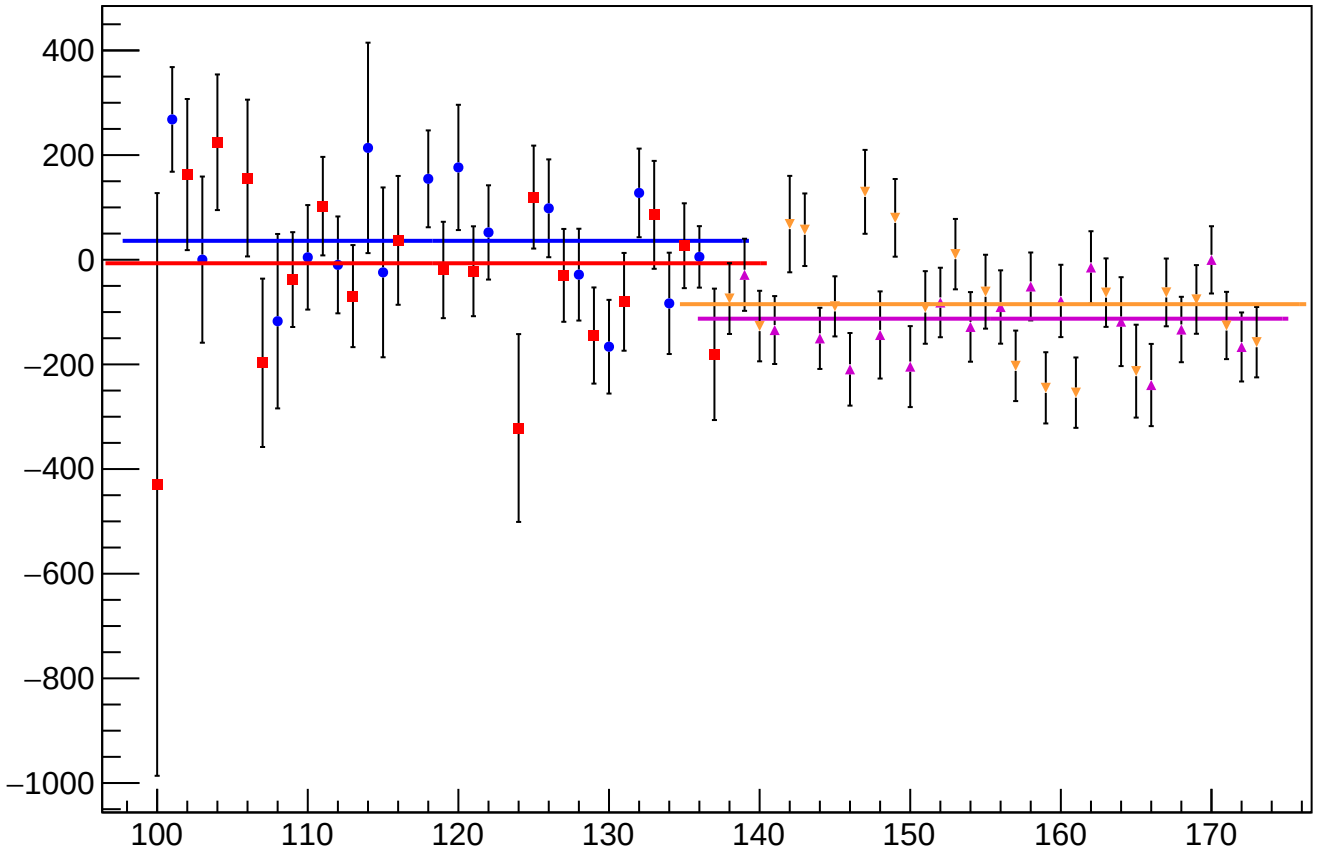
Left: 347.142+/-0.046 χ^2/NDF: 667363.8/35

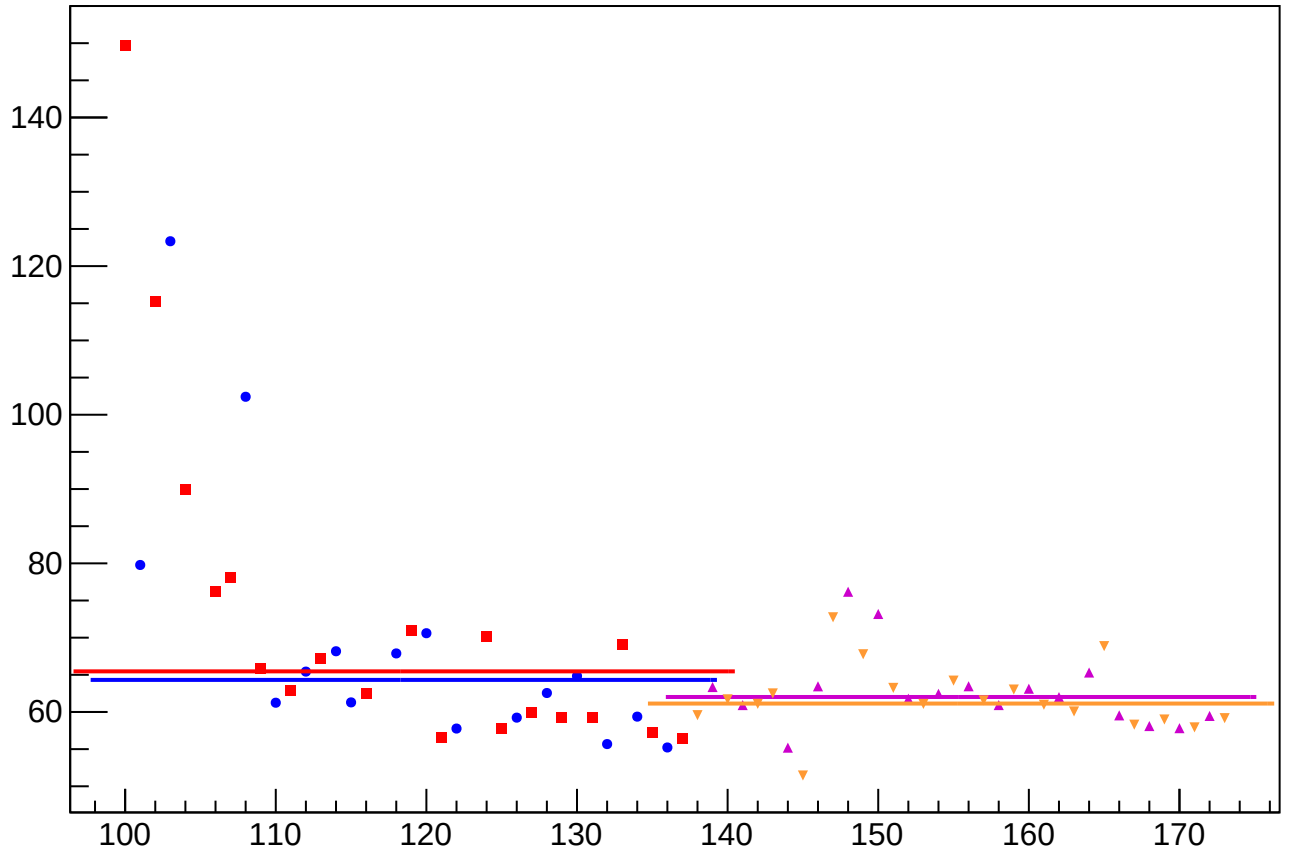
Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 373.192+/-0.059 χ^2/NDF:1979621.3/32

Out: 373.293+/-0.057 χ^2/NDF:2111890.7/37

All: 373.244+/-0.041 χ^2/NDF: 4091513.5/70


eigen_dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
Right In: 36.157+/-24.471 χ²/NDF: 19.6/15
Left Out: -84.908+/-15.841 χ²/NDF:40.4/18
Right Out: -6.735+/-24.565 χ²/NDF: 20.3/18
Left In: -112.655+/-16.667 χ²/NDF:15.5/16
Left: -98.077+/-11.482 χ²/NDF: 57.4/35
Right: 14.793+/-17.337 χ²/NDF: 41.5/34
In: -65.498+/-13.776 χ²/NDF:60.4/32
Out: -61.949+/-13.313 χ²/NDF:67.9/37
All: -63.663+/-9.573 χ²/NDF: 128.3/70



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.133+/-0.011 χ^2/NDF:152350.7/18

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 62.018+/-0.012 χ^2/NDF:155249.6/16

Left: 61.553+/-0.008 χ^2/NDF: 310562.0/35

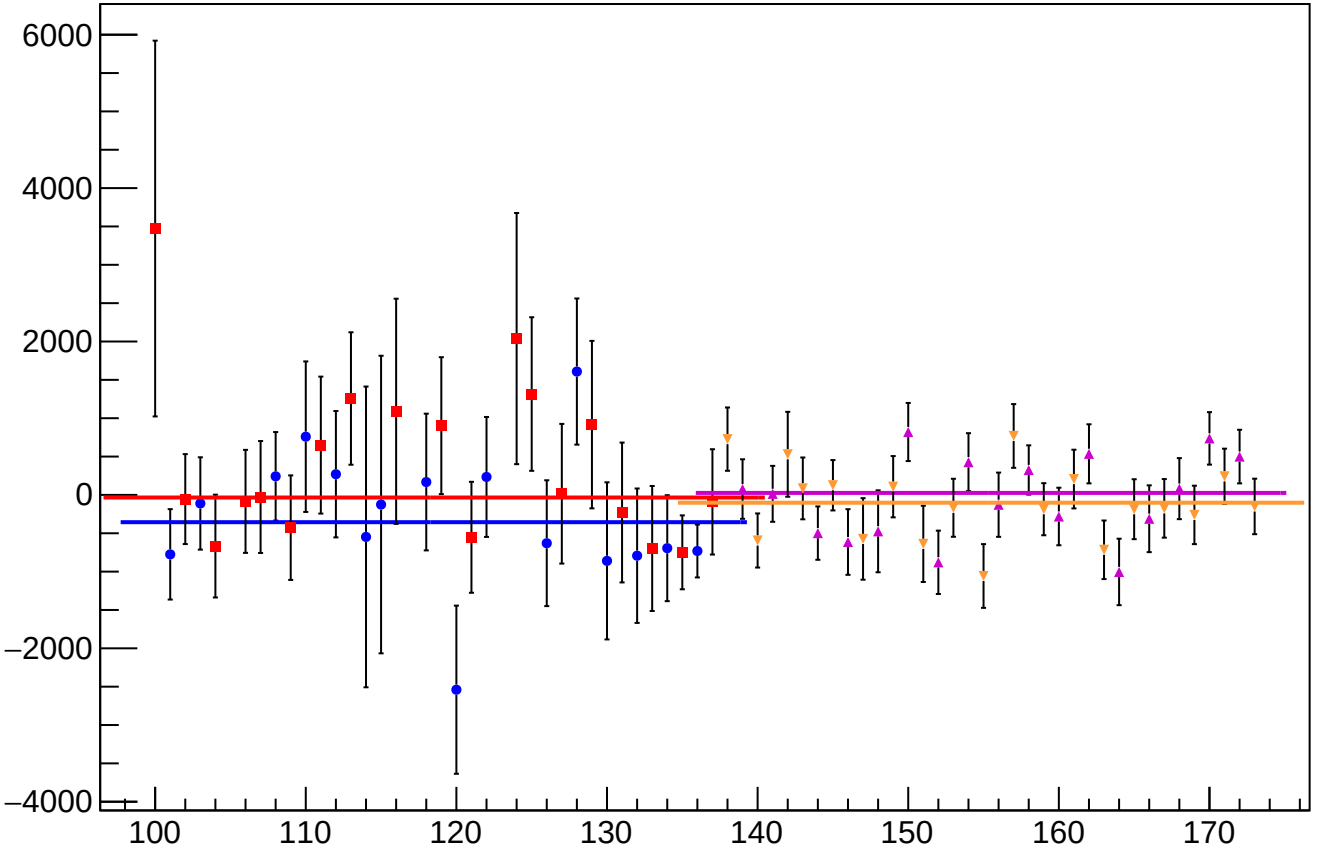
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 62.746+/-0.010 χ^2/NDF:699373.2/32

Out: 62.406+/-0.009 χ^2/NDF:678665.6/37

All: 62.570+/-0.007 χ^2/NDF: 1378670.9/70

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: -101.489+/-90.154 χ^2/NDF:24.4/18

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: 26.173+/-93.603 χ^2/NDF:31.6/16

Left: -40.054+/-64.934 χ^2/NDF: 56.9/35

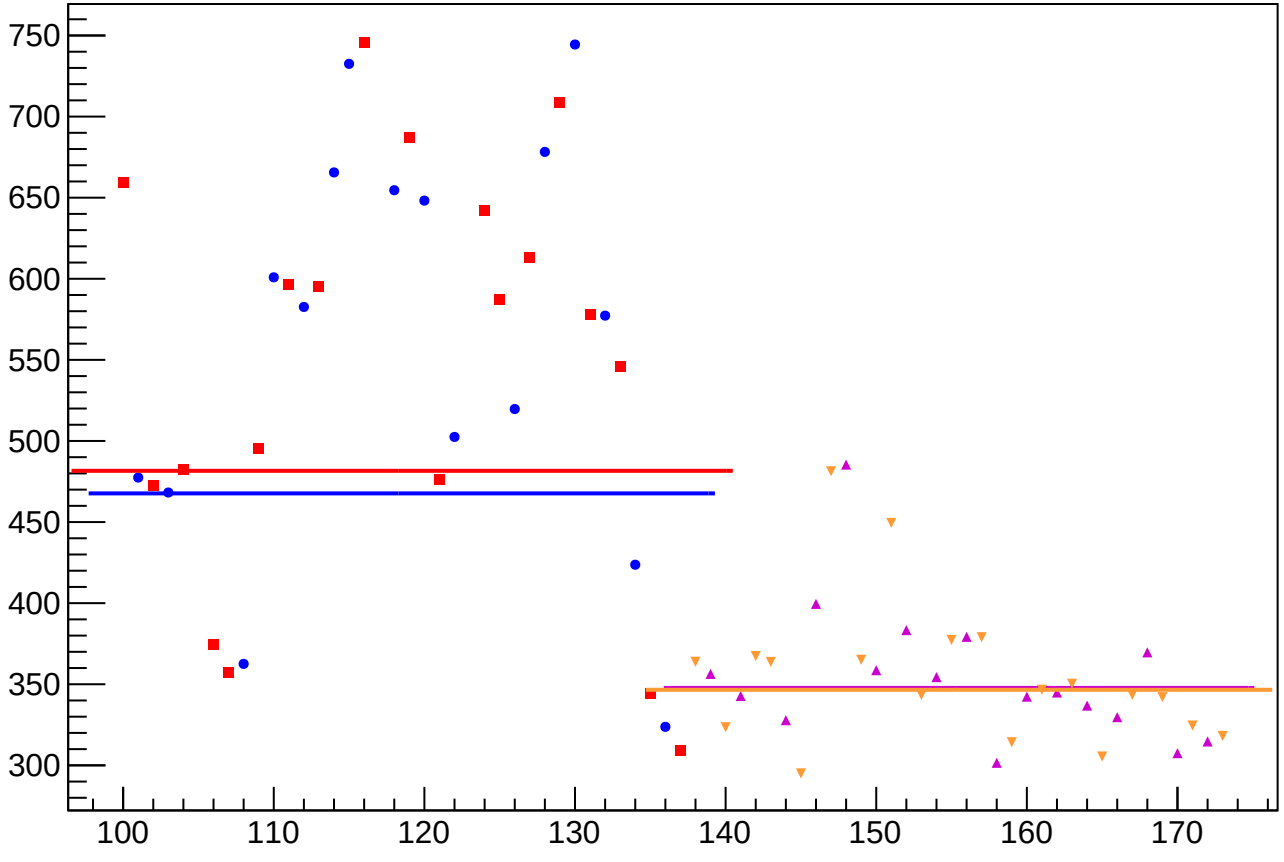
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -54.838+/-83.078 χ^2/NDF:49.9/32

Out: -88.098+/-80.747 χ^2/NDF:39.9/37

All: -71.941+/-57.903 χ^2/NDF: 89.9/70

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: 346.589+/-0.064 χ^2/NDF:370434.5/18

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 347.738+/-0.066 χ^2/NDF:296772.6/16

Left: 347.142+/-0.046 χ^2/NDF: 667363.4/35

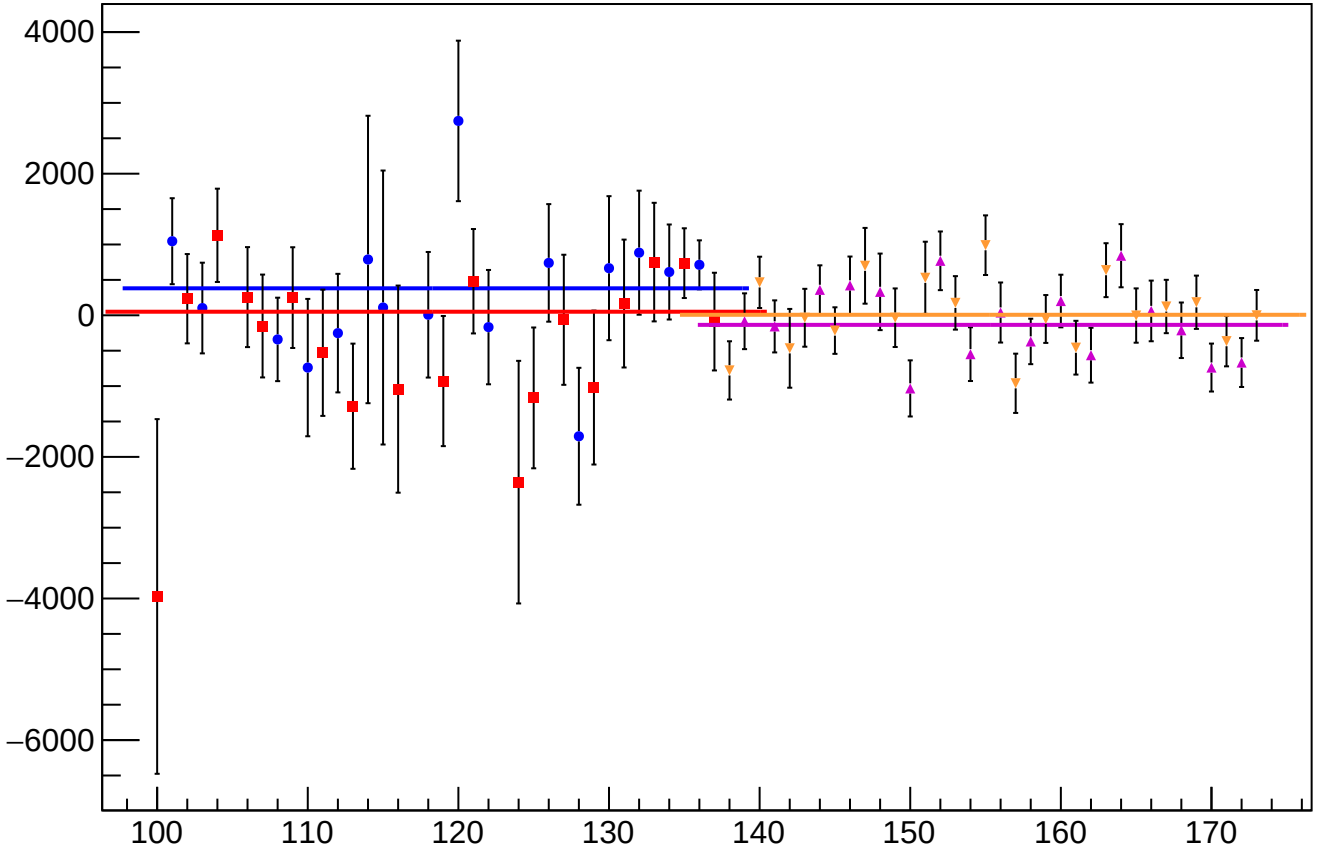
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 373.192+/-0.059 χ^2/NDF:1979617.0/32

Out: 373.293+/-0.057 χ^2/NDF:2111879.3/37

All: 373.244+/-0.041 χ^2/NDF: 4091497.8/70

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: 7.018+/-90.268 χ^2/NDF:25.8/18

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: -135.225+/-93.640 χ^2/NDF:29.1/16

Left: -61.496+/-64.989 χ^2/NDF: 56.1/35

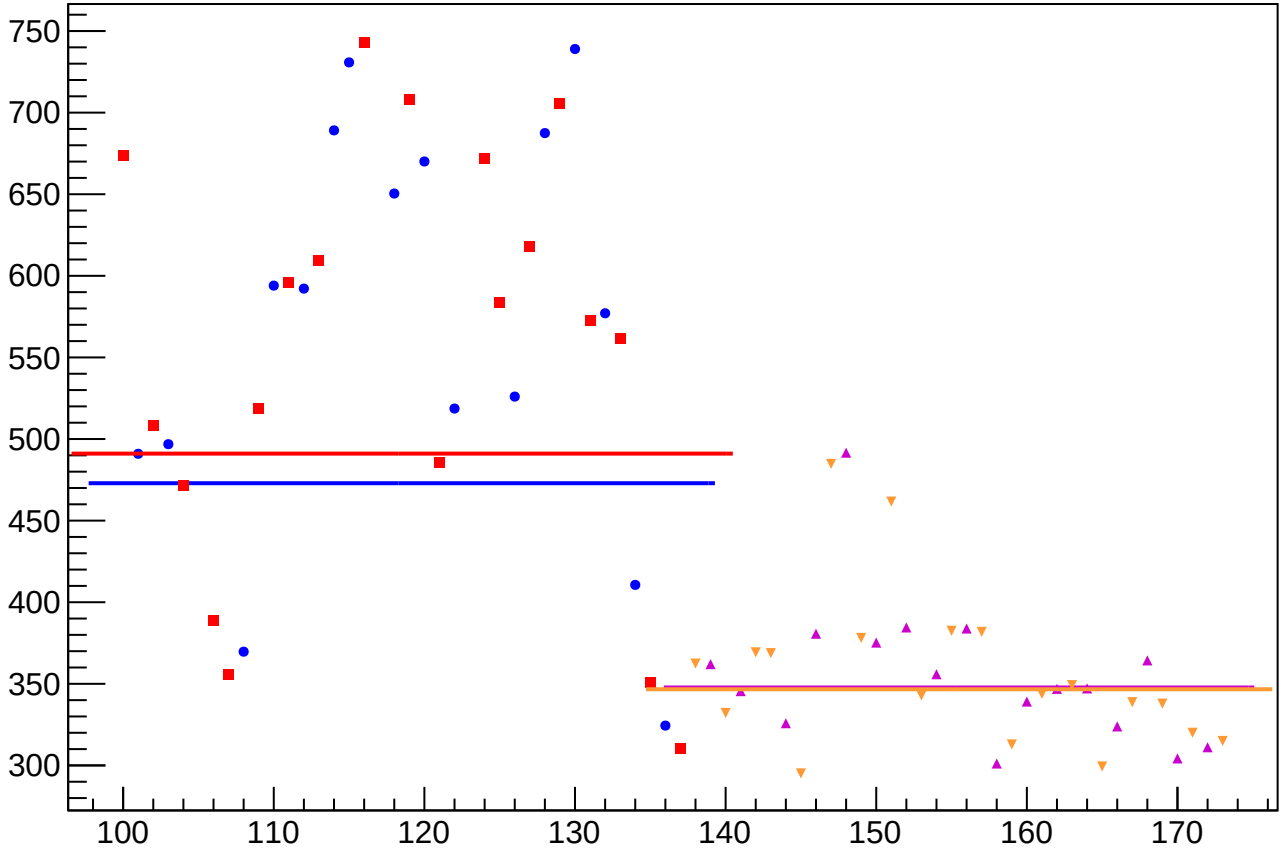
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: -27.769+/-83.328 χ^2/NDF:51.6/32

Out: 15.340+/-81.148 χ^2/NDF:43.4/37

All: -5.643+/-58.136 χ^2/NDF: 95.1/70

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 346.672+/-0.064 χ^2/NDF:419461.6/18

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 347.754+/-0.066 χ^2/NDF:314858.3/16

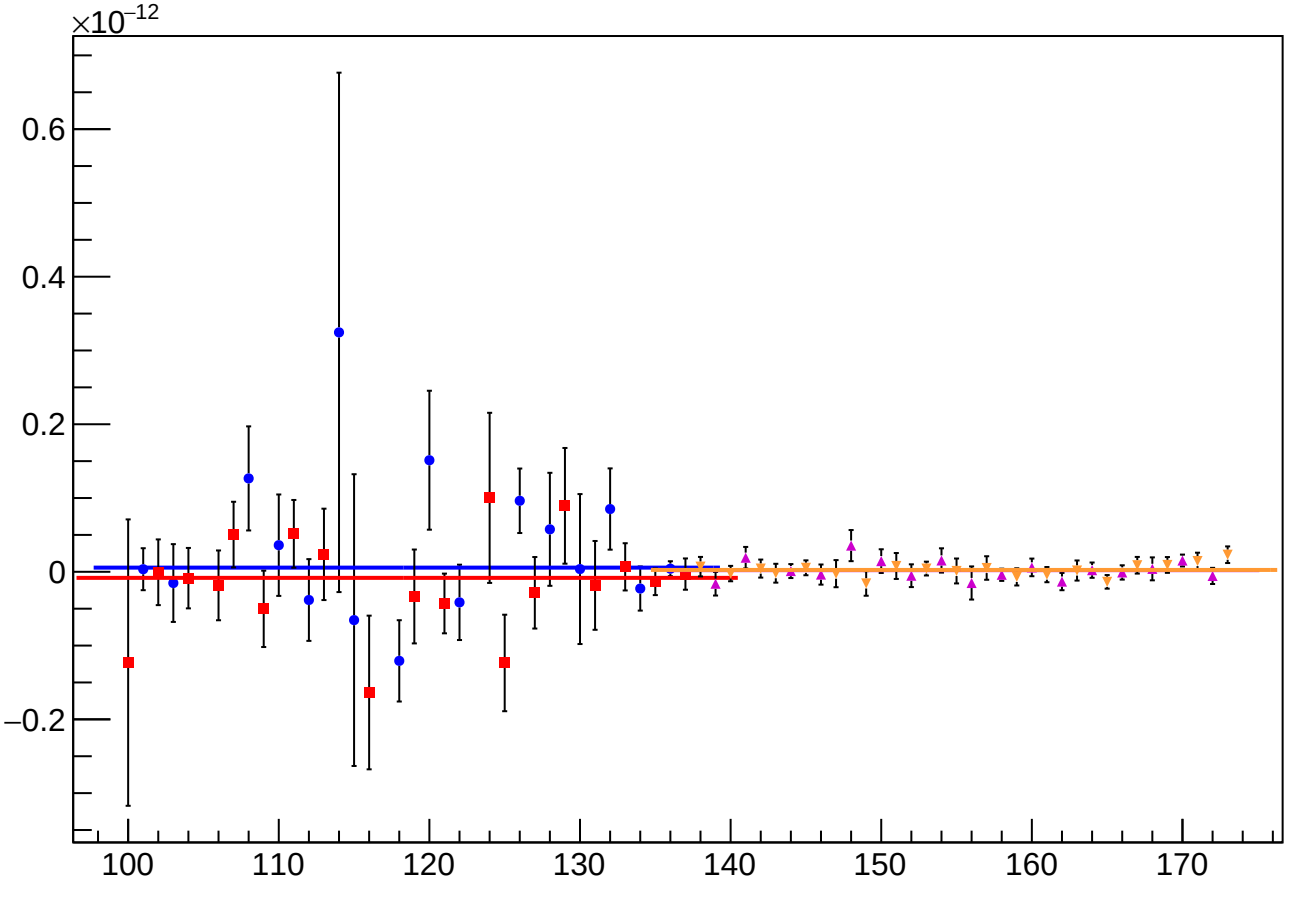
Left: 347.193+/-0.046 χ^2/NDF: 734458.3/35

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 373.805+/-0.059 χ^2/NDF:2058880.7/32

Out: 374.375+/-0.057 χ^2/NDF:2248755.0/37

All: 374.097+/-0.041 χ^2/NDF: 4307683.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.1/16

Left: 0.000+/-0.000 χ^2/NDF: 24.4/35

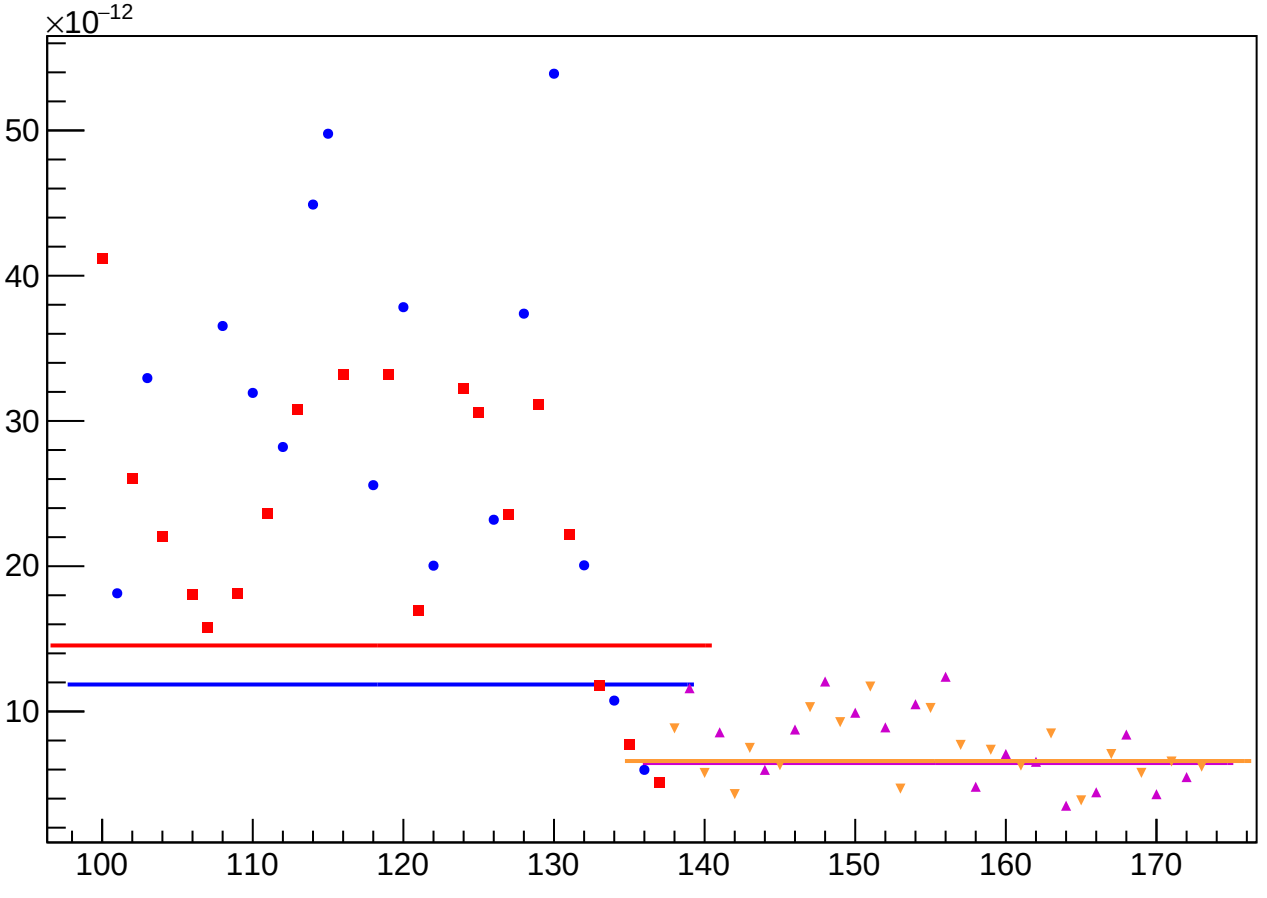
Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:34.4/32

Out: 0.000+/-0.000 χ^2/NDF:26.5/37

All: 0.000+/-0.000 χ^2/NDF: 60.9/70

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2848478.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:878445.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1375582.5/16

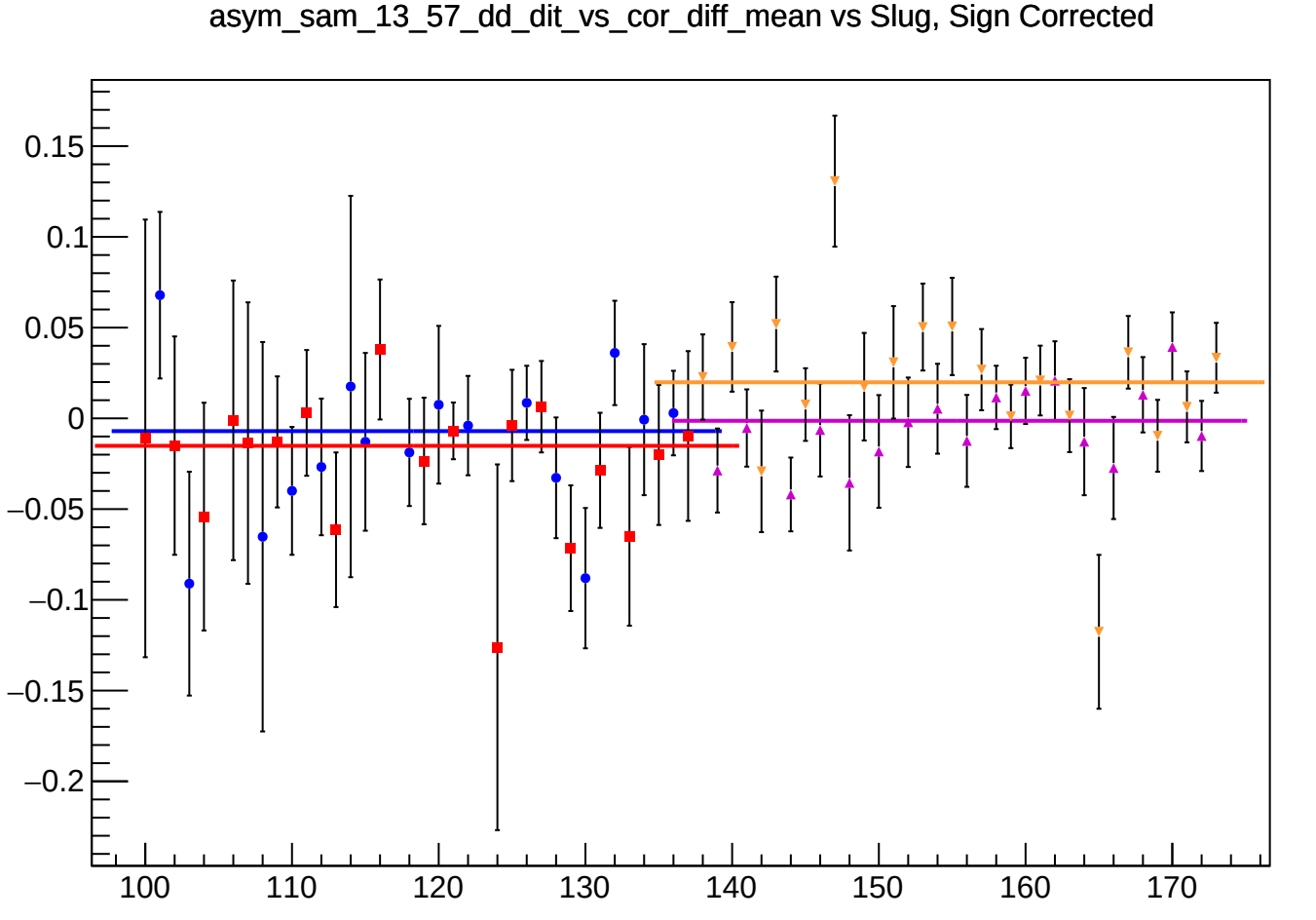
Left: 0.000+/-0.000 χ^2/NDF: 2256408.4/35

Right: 0.000+/-0.000 χ^2/NDF: 4713356.4/34

In: 0.000+/-0.000 χ^2/NDF:5012029.5/32

Out: 0.000+/-0.000 χ^2/NDF:3996496.3/37

All: 0.000+/-0.000 χ^2/NDF: 9012058.9/70



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.020+/-0.005 χ^2/NDF:33.6/18

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.001+/-0.005 χ^2/NDF:15.5/16

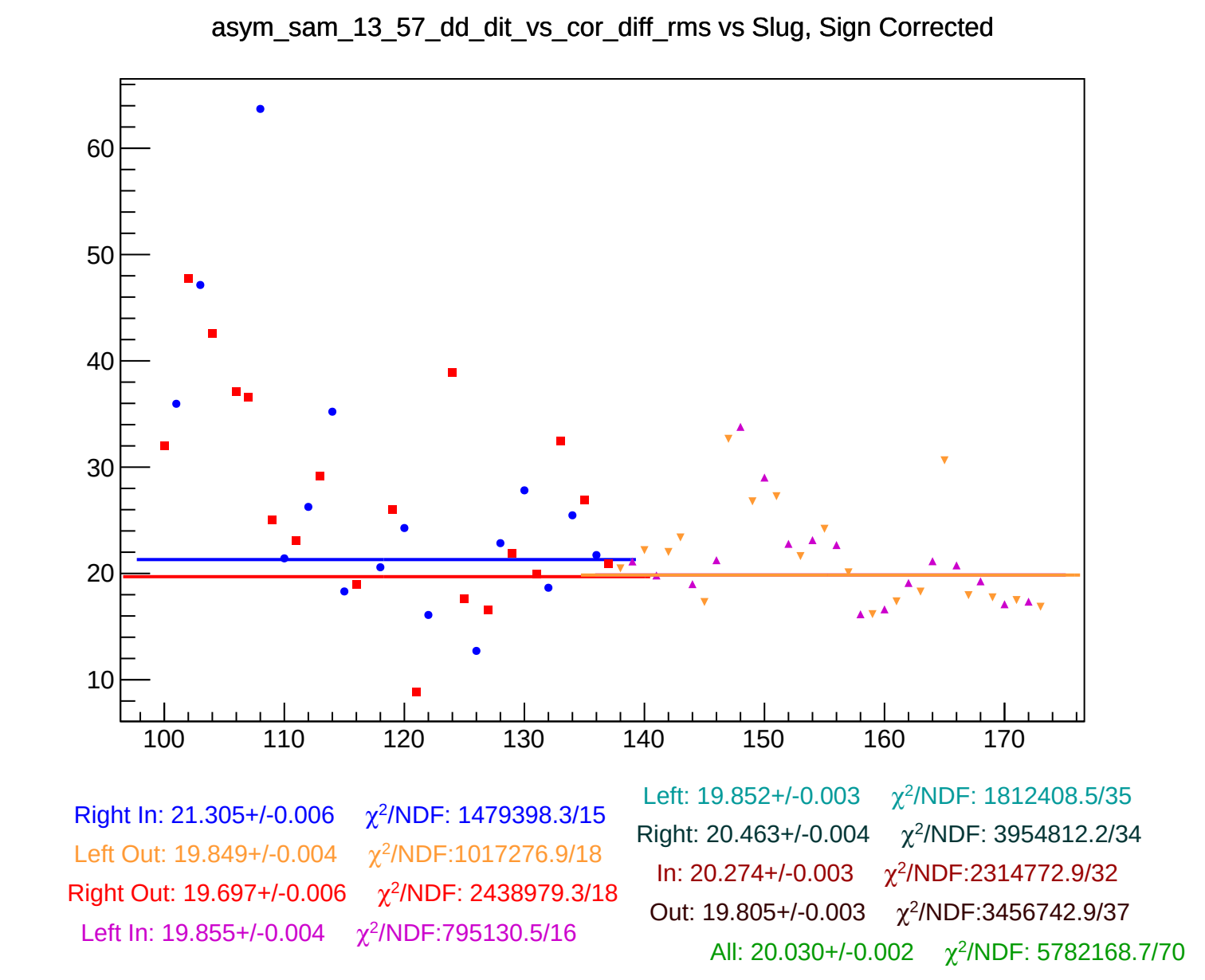
Left: 0.010+/-0.004 χ^2/NDF: 56.8/35

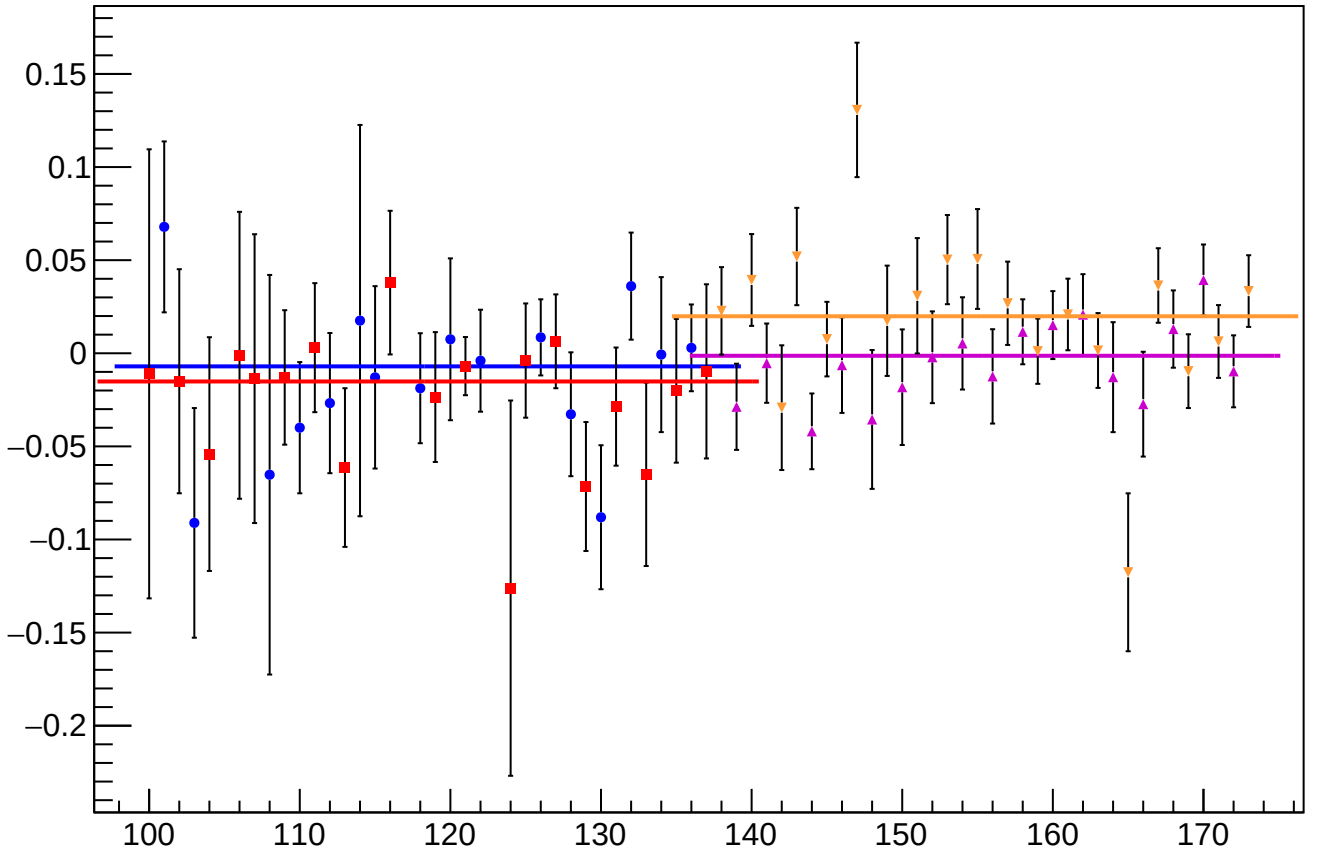
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.005 χ^2/NDF:30.1/32

Out: 0.010+/-0.004 χ^2/NDF:56.5/37

All: 0.004+/-0.003 χ^2/NDF: 90.5/70


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
170
Right In: 21.305+/-0.006 χ²/NDF: 1479398.3/15
Left Out: 19.849+/-0.004 χ²/NDF:1017276.9/18
Right Out: 19.697+/-0.006 χ²/NDF: 2438979.3/18
Left In: 19.855+/-0.004 χ²/NDF:795130.5/16
Left: 19.852+/-0.003 χ²/NDF: 1812408.5/35
Right: 20.463+/-0.004 χ²/NDF: 3954812.2/34
In: 20.274+/-0.003 χ²/NDF:2314772.9/32
Out: 19.805+/-0.003 χ²/NDF:3456742.9/37
All: 20.030+/-0.002 χ²/NDF: 5782168.7/70



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.020+/-0.005 χ^2/NDF:33.6/18

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.001+/-0.005 χ^2/NDF:15.5/16

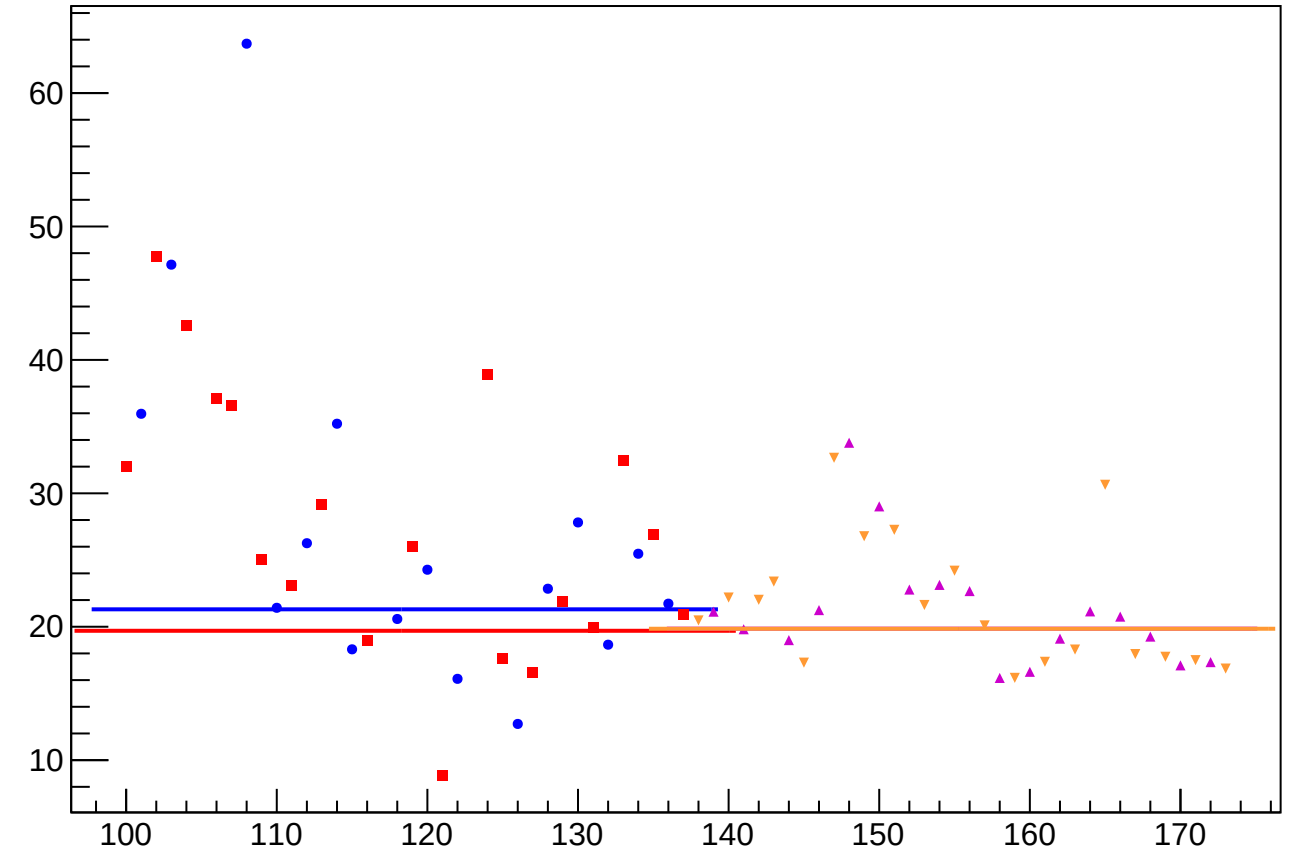
Left: 0.010+/-0.004 χ^2/NDF: 56.8/35

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.005 χ^2/NDF:30.1/32

Out: 0.010+/-0.004 χ^2/NDF:56.5/37

All: 0.004+/-0.003 χ^2/NDF: 90.5/70



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 19.849+/-0.004 χ^2/NDF:1017276.9/18

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 19.855+/-0.004 χ^2/NDF:795130.5/16

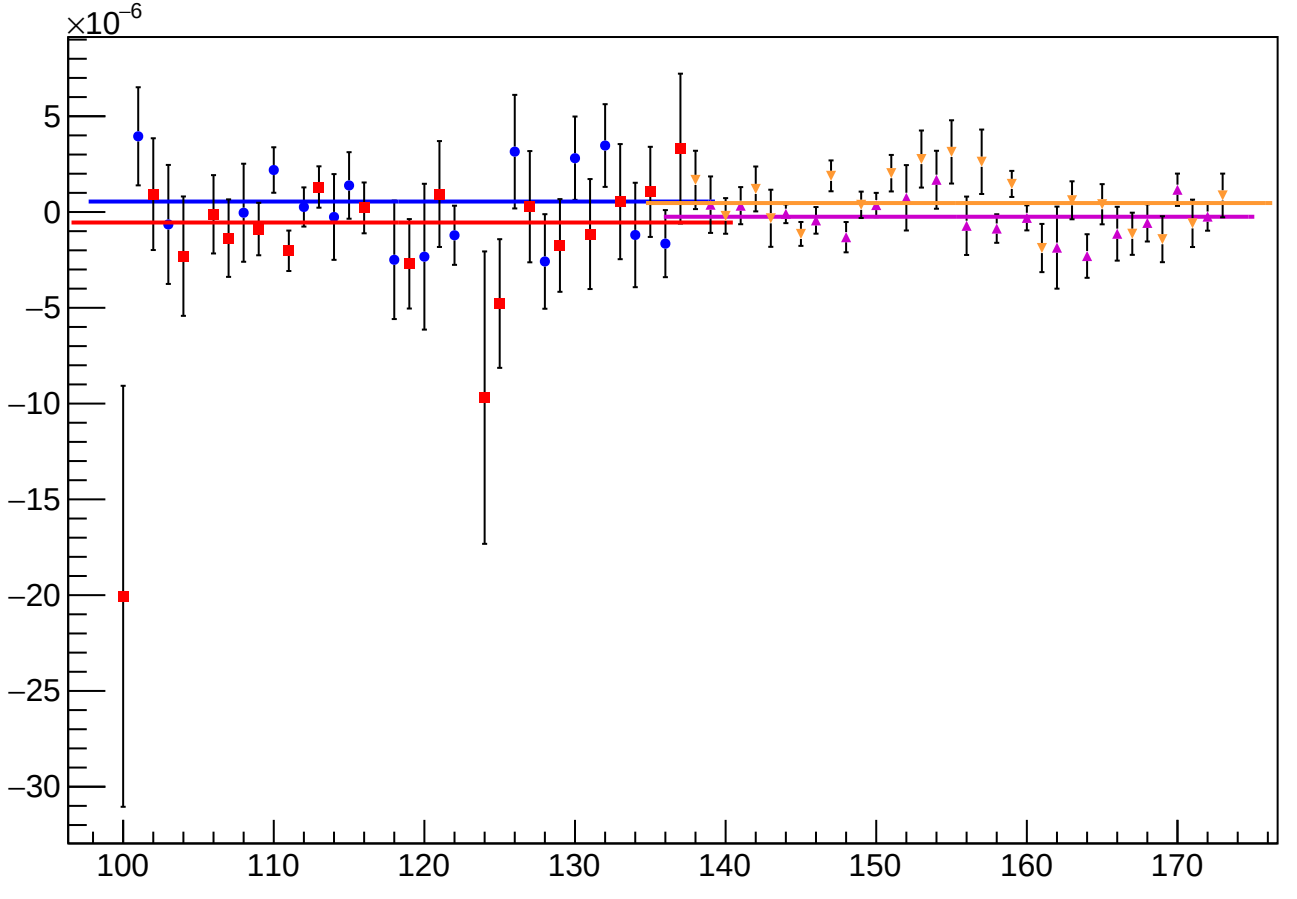
Left: 19.852+/-0.003 χ^2/NDF: 1812408.5/35

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.274+/-0.003 χ^2/NDF:2314772.9/32

Out: 19.805+/-0.003 χ^2/NDF:3456742.9/37

All: 20.030+/-0.002 χ^2/NDF: 5782168.7/70



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.3/16

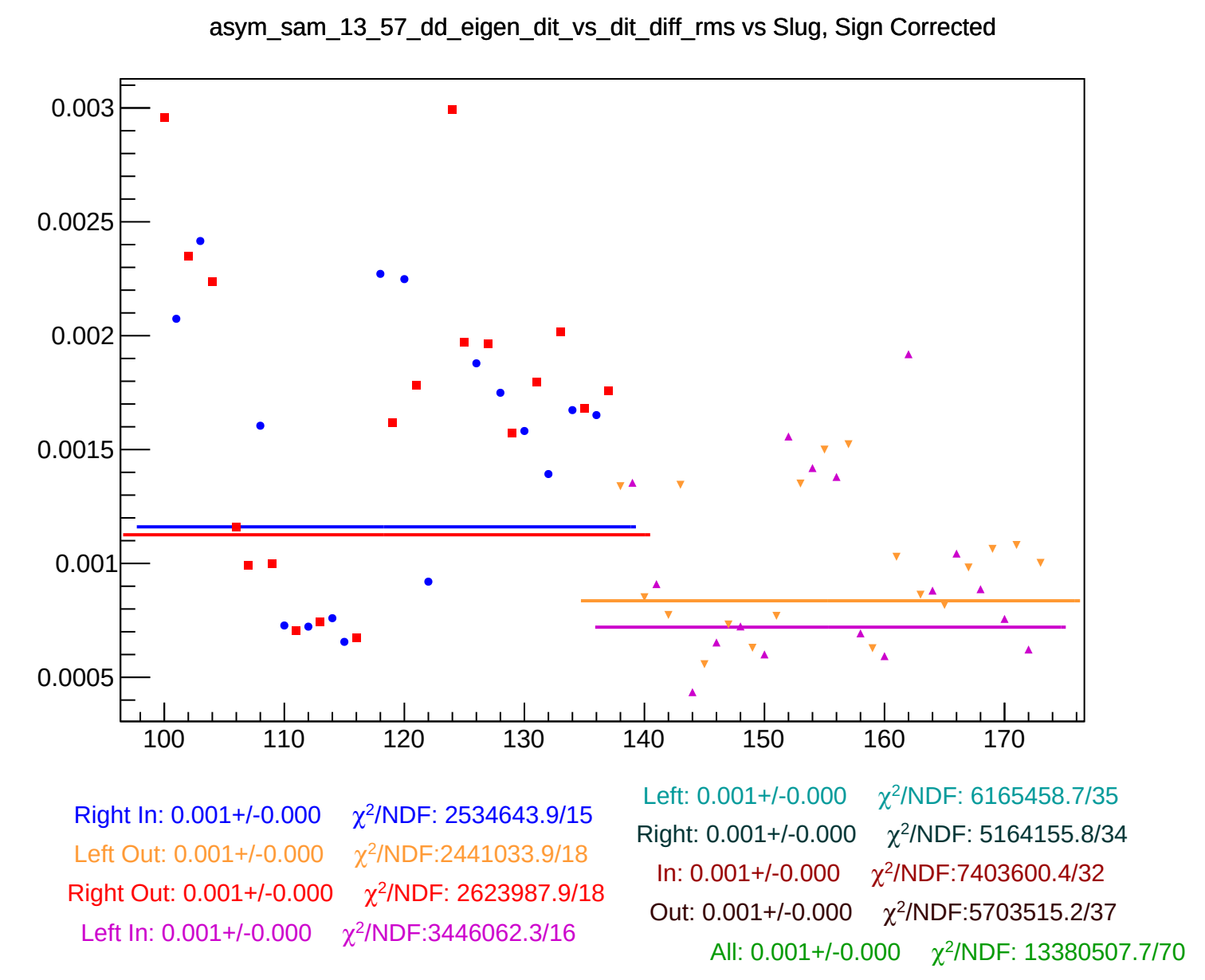
Left: 0.000+/-0.000 χ^2/NDF: 50.7/35

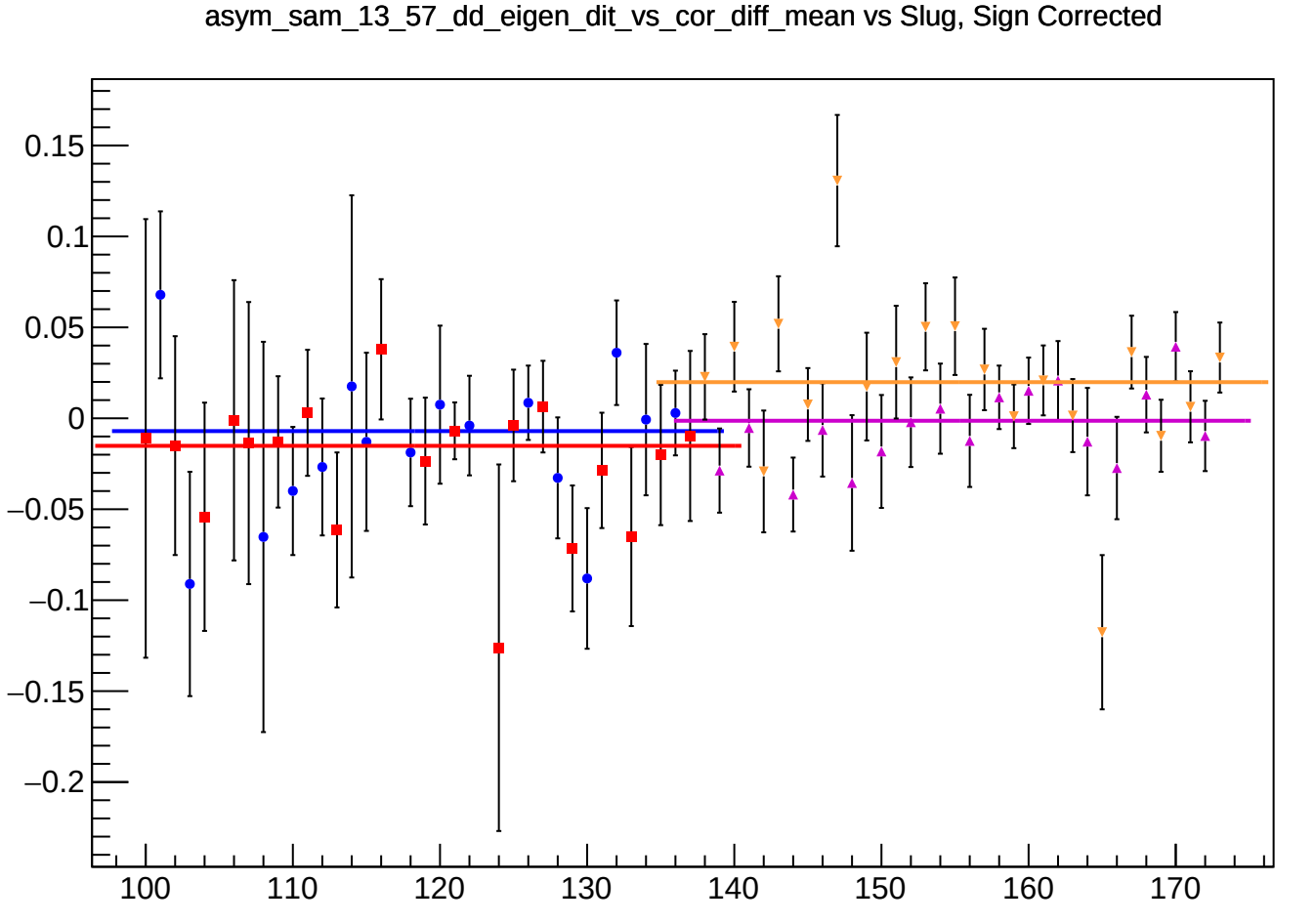
Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

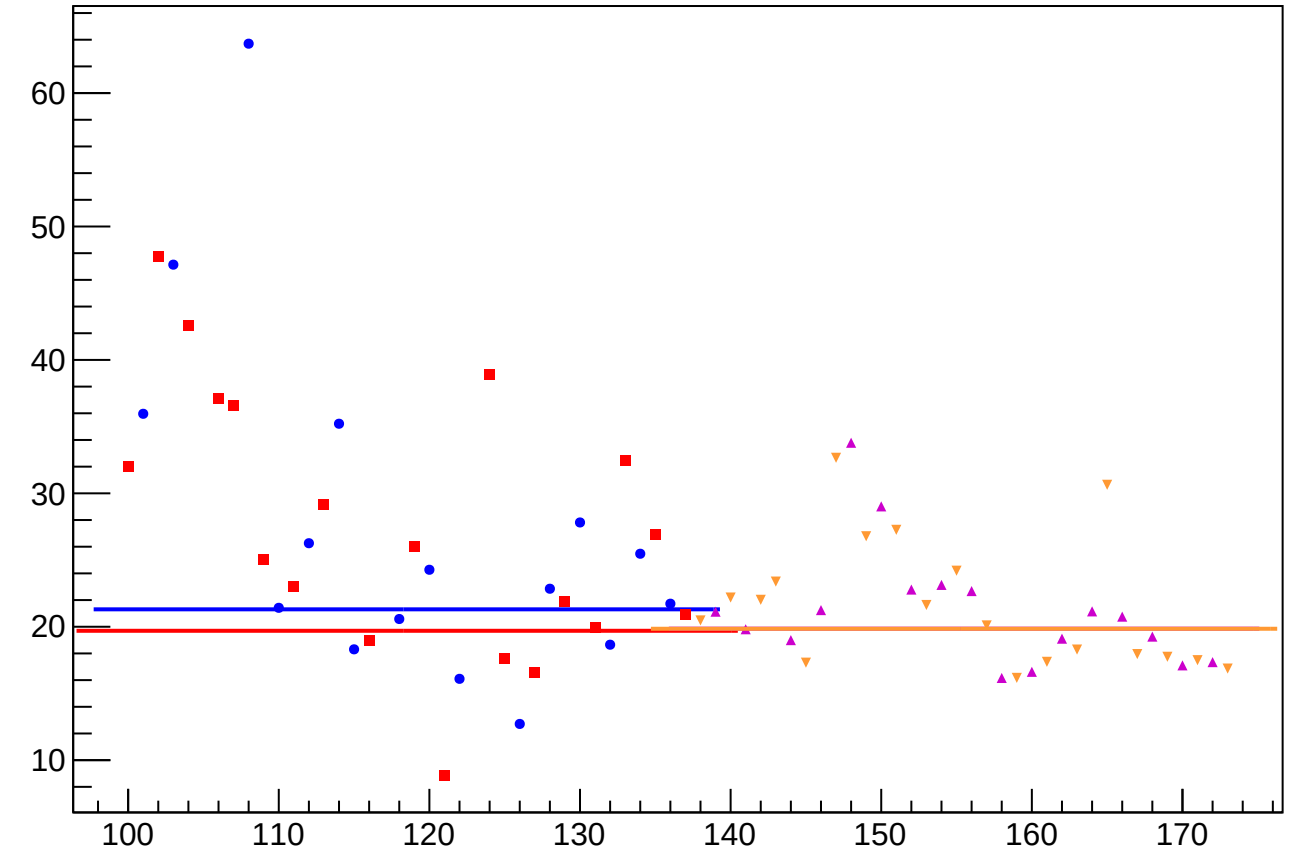
In: -0.000+/-0.000 χ^2/NDF:30.1/32

Out: 0.000+/-0.000 χ^2/NDF:51.3/37

All: 0.000+/-0.000 χ^2/NDF: 83.3/70


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 2534643.9/15
Left Out: 0.001+/-0.000 χ²/NDF:2441033.9/18
Right Out: 0.001+/-0.000 χ²/NDF: 2623987.9/18
Left In: 0.001+/-0.000 χ²/NDF:3446062.3/16
Left: 0.001+/-0.000 χ²/NDF: 6165458.7/35
Right: 0.001+/-0.000 χ²/NDF: 5164155.8/34
In: 0.001+/-0.000 χ²/NDF:7403600.4/32
Out: 0.001+/-0.000 χ²/NDF:5703515.2/37
All: 0.001+/-0.000 χ²/NDF: 13380507.7/70


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
160
170
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.020+/-0.005 χ²/NDF:33.6/18
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.001+/-0.005 χ²/NDF:15.5/16
Left: 0.010+/-0.004 χ²/NDF: 56.8/35
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.003+/-0.005 χ²/NDF:30.1/32
Out: 0.010+/-0.004 χ²/NDF:56.5/37
All: 0.004+/-0.003 χ²/NDF: 90.5/70



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 19.849+/-0.004 χ^2/NDF:1017393.2/18

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.855+/-0.004 χ^2/NDF:795218.0/16

Left: 19.852+/-0.003 χ^2/NDF: 1812612.3/35

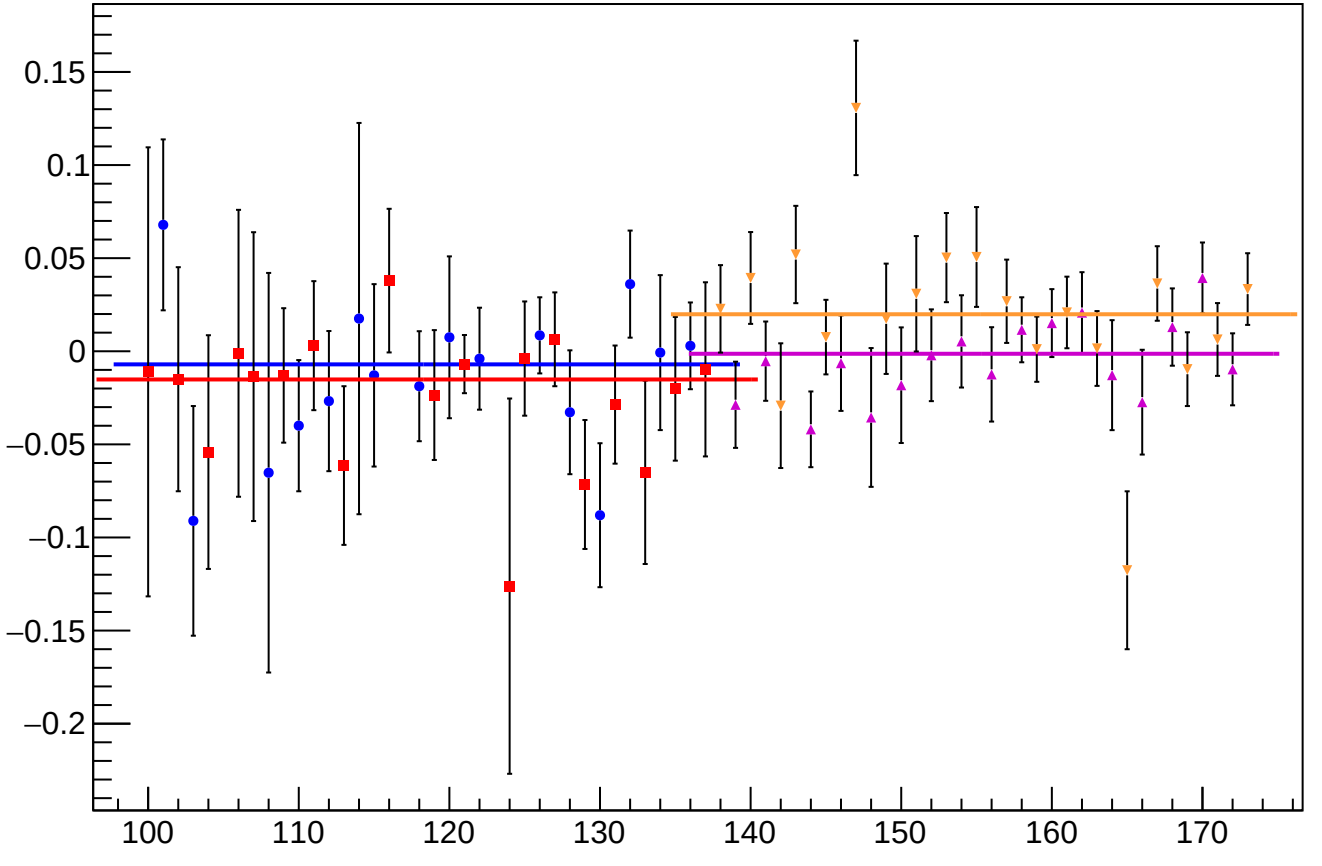
Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.274+/-0.003 χ^2/NDF:2314710.4/32

Out: 19.805+/-0.003 χ^2/NDF:3456488.0/37

All: 20.030+/-0.002 χ^2/NDF: 5781846.4/70

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.020+/-0.005 χ^2/NDF:33.6/18

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.001+/-0.005 χ^2/NDF:15.5/16

Left: 0.010+/-0.004 χ^2/NDF: 56.8/35

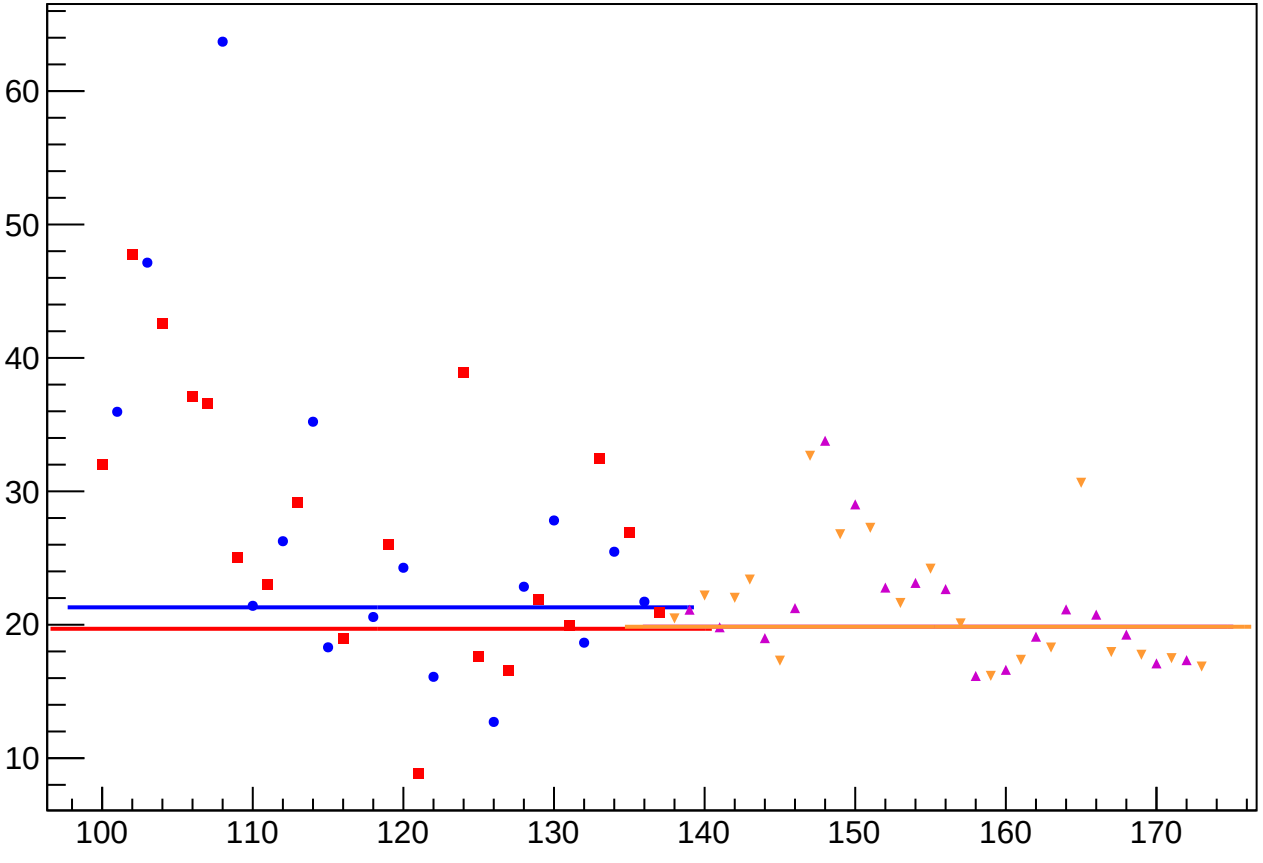
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.005 χ^2/NDF:30.1/32

Out: 0.010+/-0.004 χ^2/NDF:56.5/37

All: 0.004+/-0.003 χ^2/NDF: 90.5/70

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: 19.849+/-0.004 χ^2/NDF:1017393.2/18

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.855+/-0.004 χ^2/NDF:795218.0/16

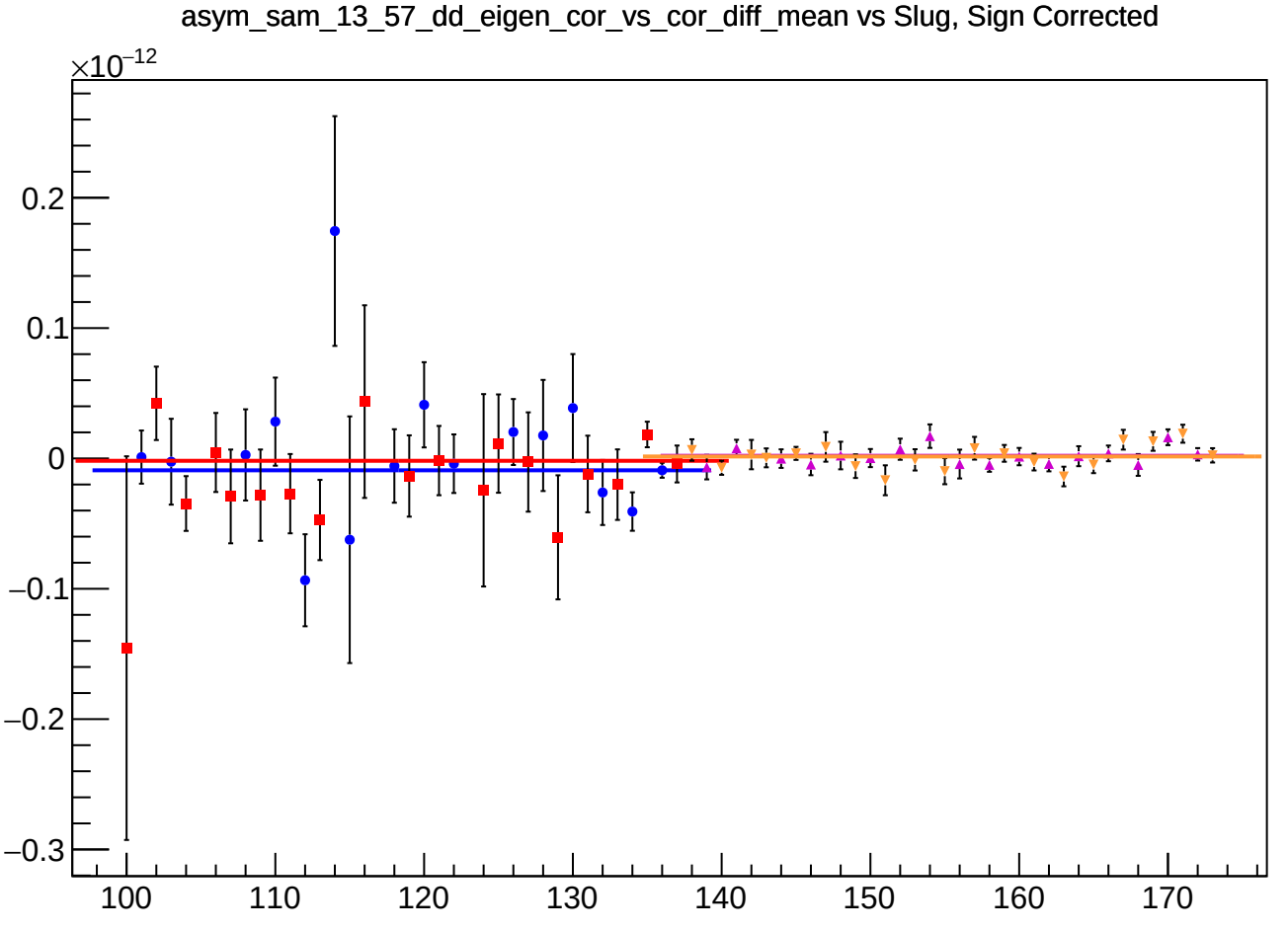
Left: 19.852+/-0.003 χ^2/NDF: 1812612.3/35

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.274+/-0.003 χ^2/NDF:2314710.4/32

Out: 19.805+/-0.003 χ^2/NDF:3456488.0/37

All: 20.030+/-0.002 χ^2/NDF: 5781846.4/70



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:15.2/16

Left: 0.000+/-0.000 χ^2/NDF: 41.5/35

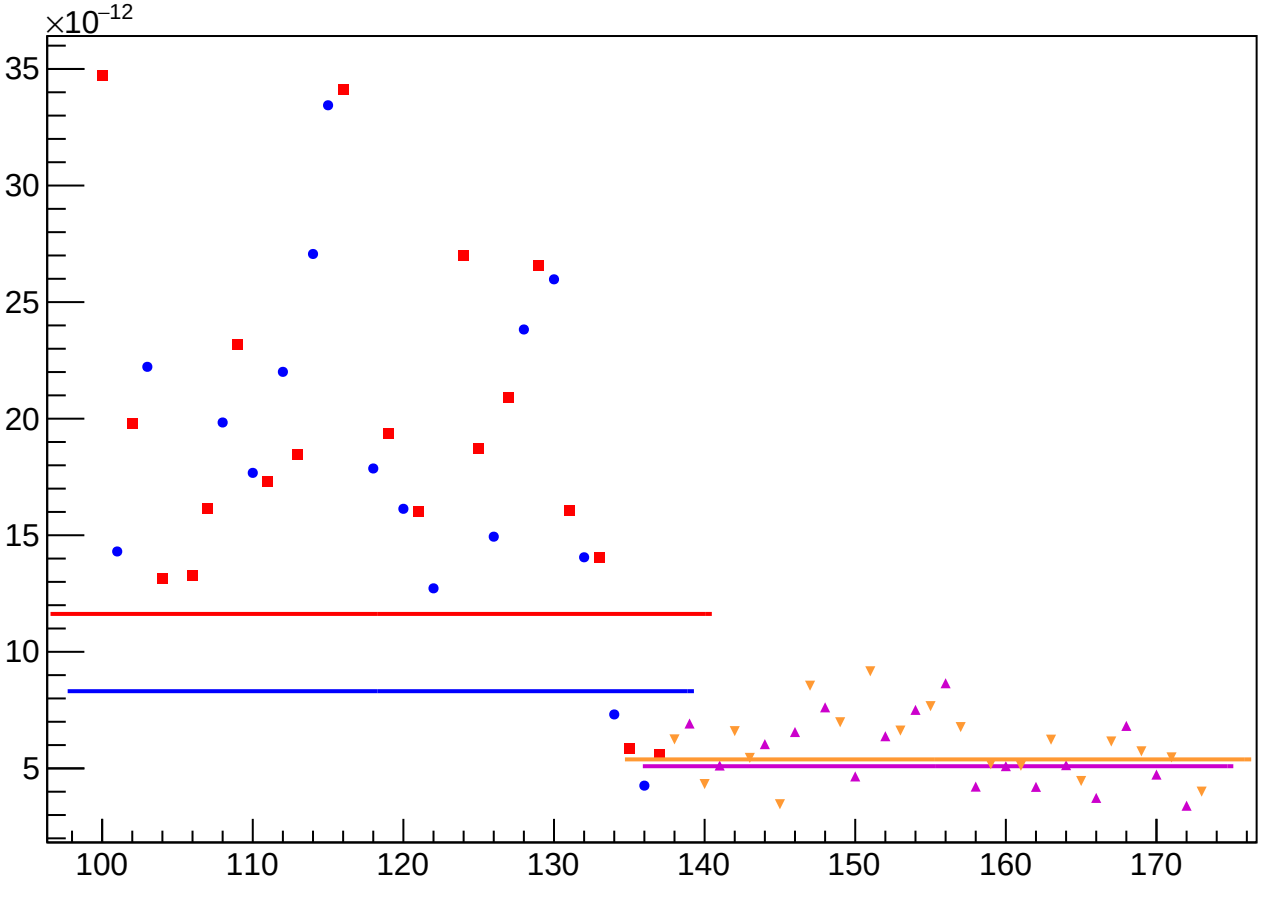
Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: 0.000+/-0.000 χ^2/NDF:43.2/32

Out: 0.000+/-0.000 χ^2/NDF:43.5/37

All: 0.000+/-0.000 χ^2/NDF: 86.8/70

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3731754.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1274244.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1246179.0/16

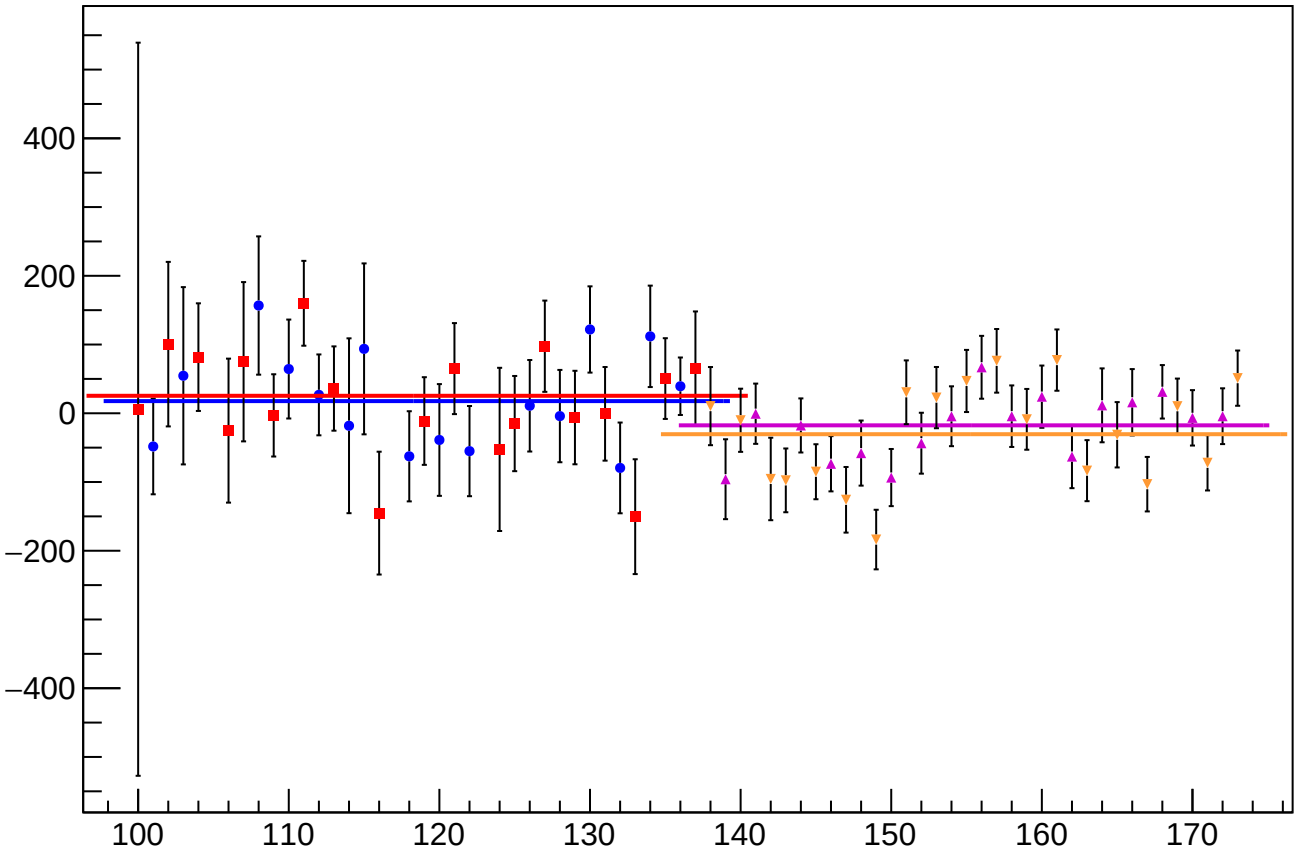
Left: 0.000+/-0.000 χ^2/NDF: 2551077.6/35

Right: 0.000+/-0.000 χ^2/NDF: 6760845.1/34

In: 0.000+/-0.000 χ^2/NDF:5877265.3/32

Out: 0.000+/-0.000 χ^2/NDF:6104071.4/37

All: 0.000+/-0.000 χ^2/NDF: 12041802.5/70



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -30.454+/-10.260 χ^2/NDF:50.8/18

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -17.553+/-10.696 χ^2/NDF:16.3/16

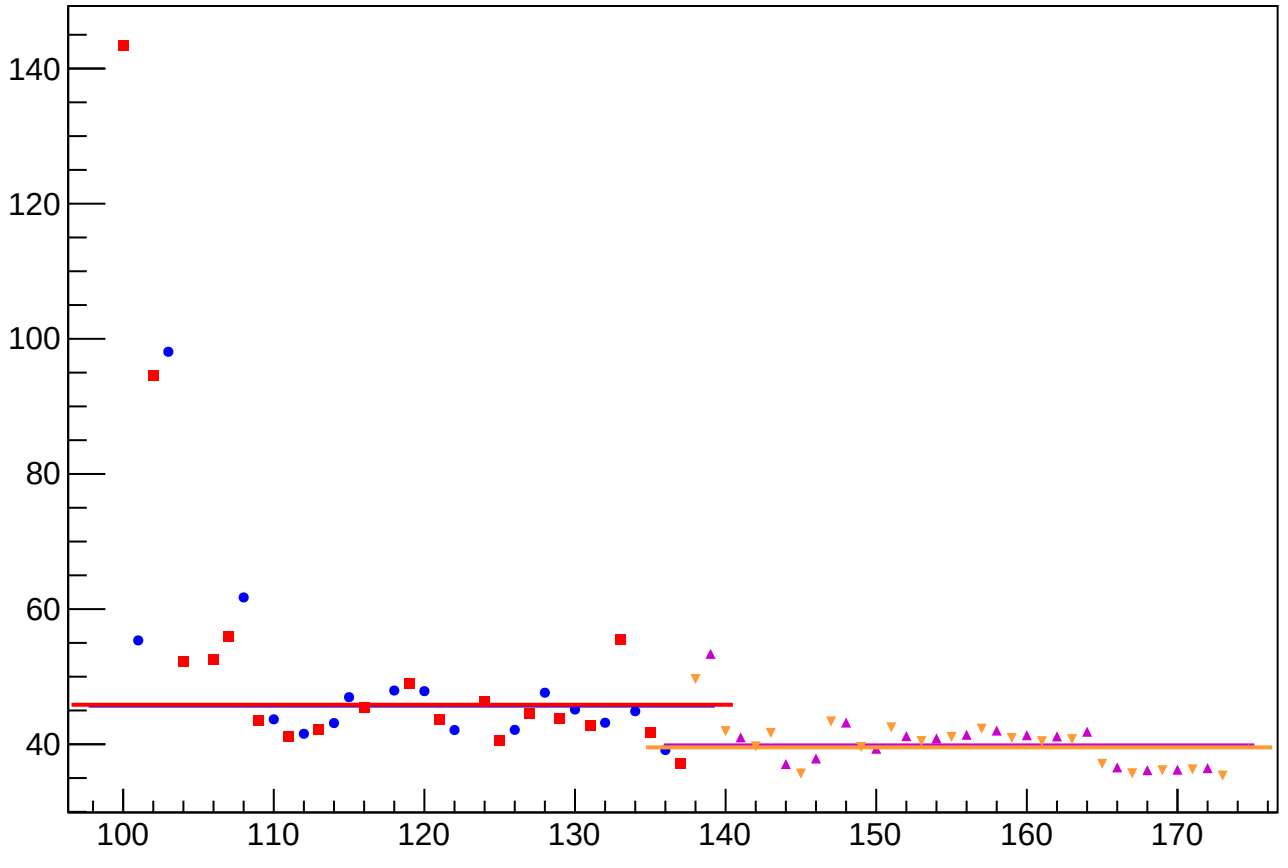
Left: -24.272+/-7.404 χ^2/NDF: 67.9/35

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -7.941+/-9.122 χ^2/NDF:33.2/32

Out: -15.955+/-8.830 χ^2/NDF:76.4/37

All: -12.079+/-6.344 χ^2/NDF: 110.0/70



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 39.541+/-0.007 χ^2/NDF:200367.6/18

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 39.830+/-0.008 χ^2/NDF:208514.3/16

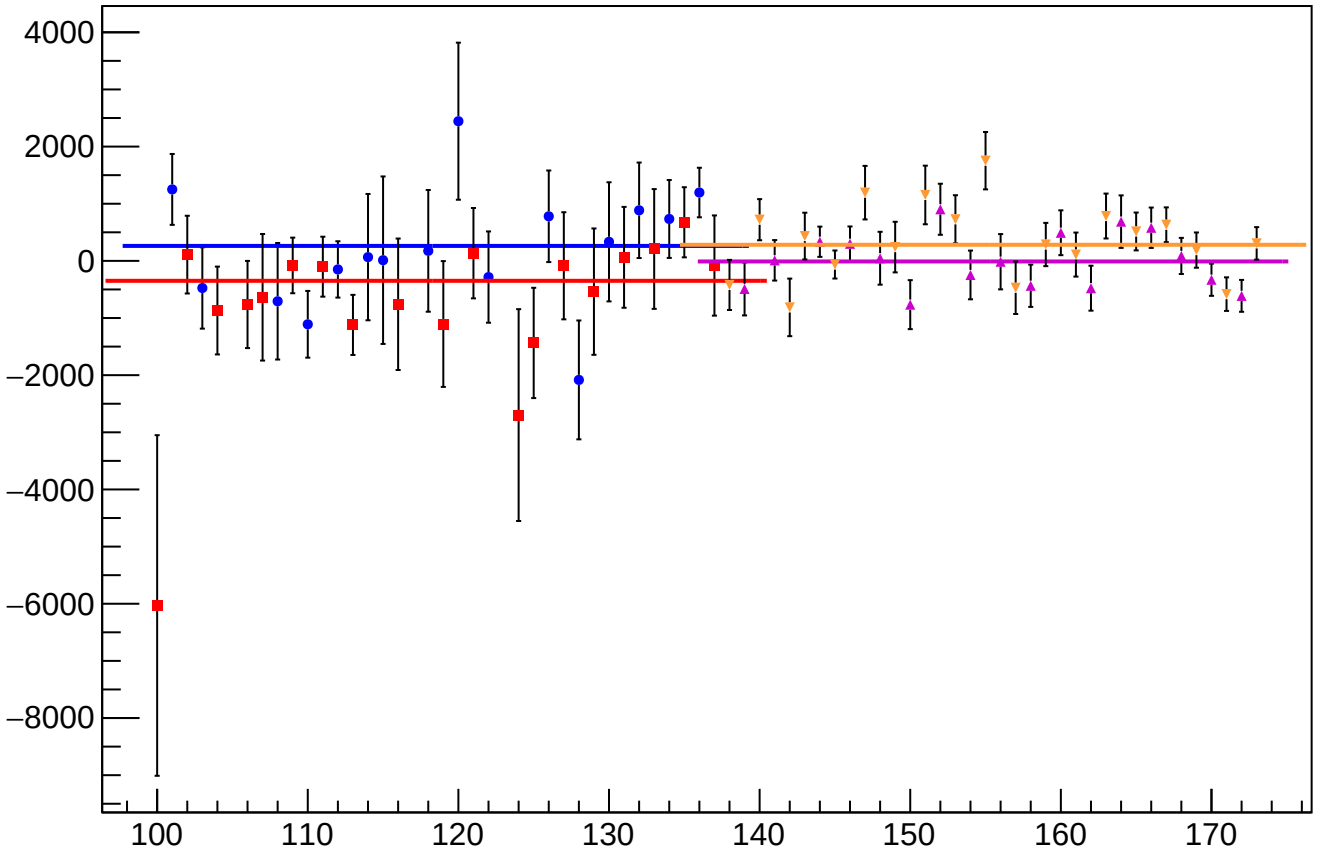
Left: 39.680+/-0.005 χ^2/NDF: 409644.1/35

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 41.438+/-0.006 χ^2/NDF:875687.7/32

Out: 41.177+/-0.006 χ^2/NDF:936637.2/37

All: 41.303+/-0.004 χ^2/NDF: 1813168.5/70



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 281.723+/-83.947 χ^2/NDF:42.4/18

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: -10.146+/-87.313 χ^2/NDF:26.9/16

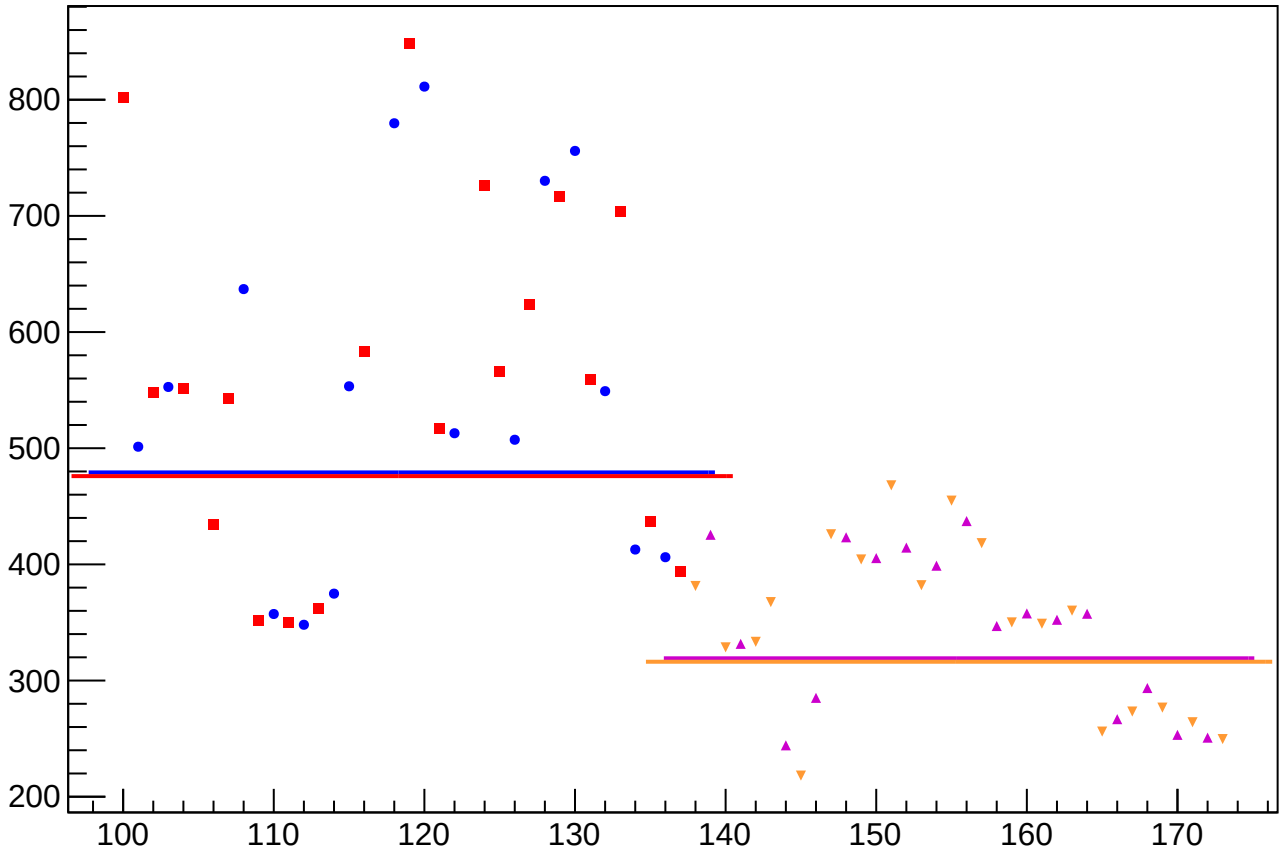
Left: 141.522+/-60.514 χ^2/NDF: 75.1/35

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 39.328+/-78.977 χ^2/NDF:53.7/32

Out: 169.800+/-76.131 χ^2/NDF:67.3/37

All: 106.957+/-54.811 χ^2/NDF: 122.4/70



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 316.196+/-0.059 χ^2/NDF:1430771.6/18

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 319.147+/-0.062 χ^2/NDF:1101072.5/16

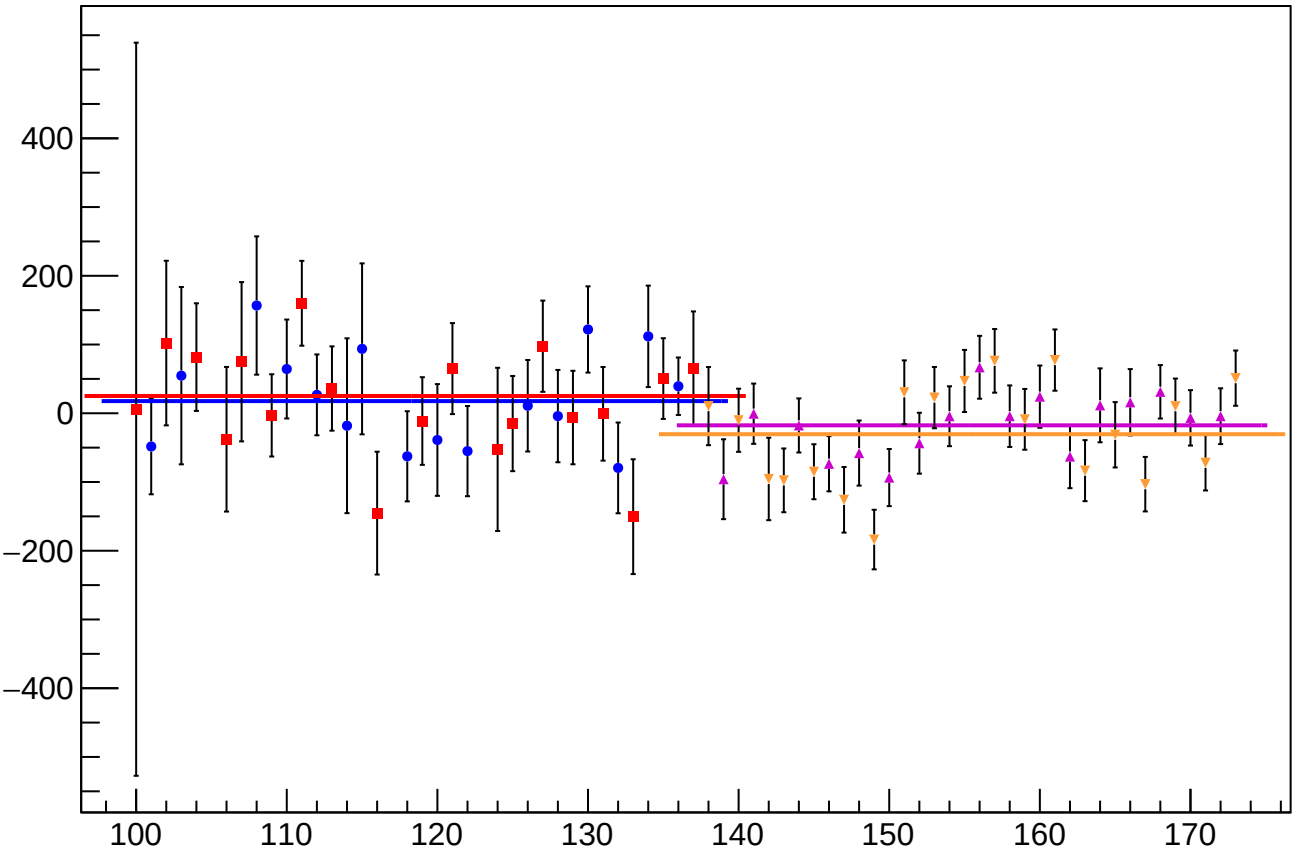
Left: 317.614+/-0.043 χ^2/NDF: 2533031.3/35

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 348.246+/-0.056 χ^2/NDF:3275413.8/32

Out: 344.566+/-0.054 χ^2/NDF:3723862.5/37

All: 346.338+/-0.039 χ^2/NDF: 7001526.1/70



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -30.455+/-10.260 χ^2/NDF:50.8/18

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -17.553+/-10.696 χ^2/NDF:16.3/16

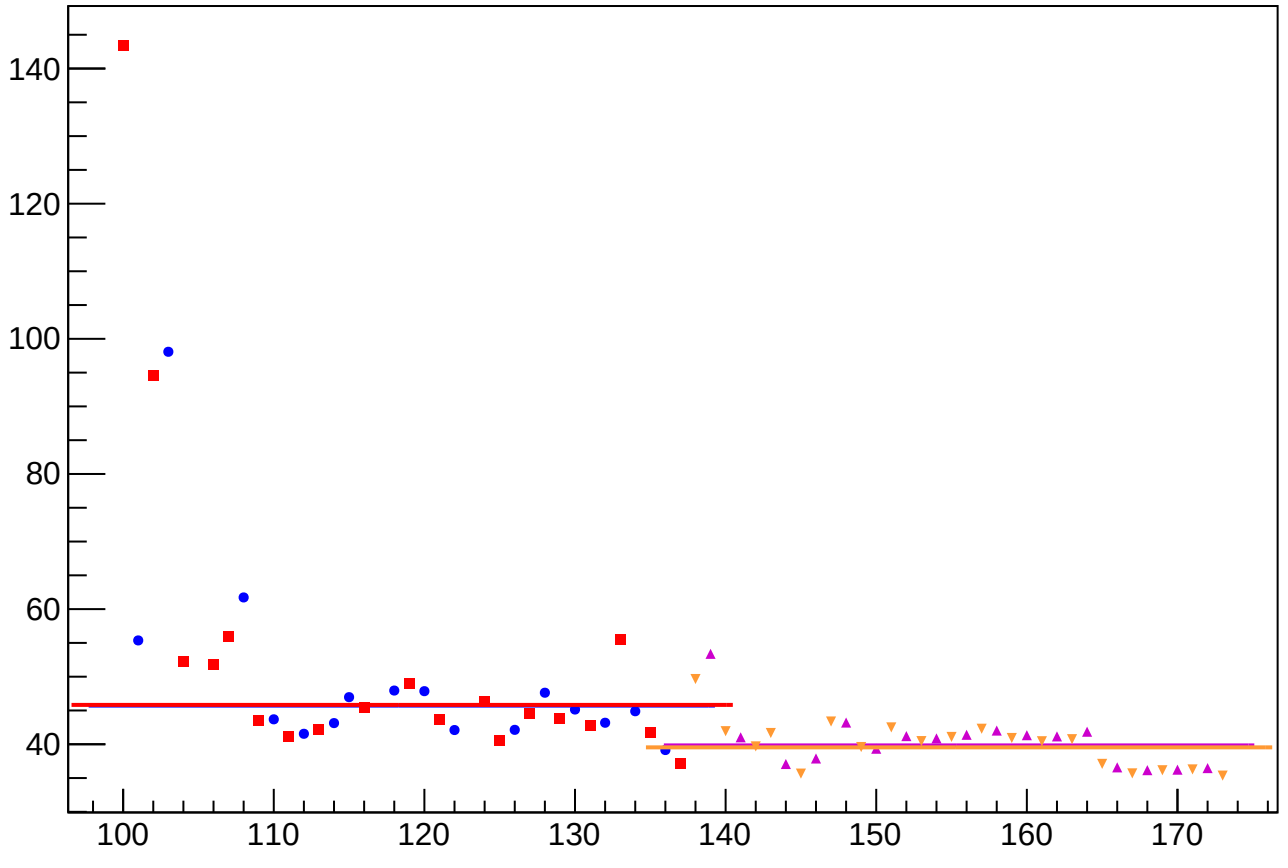
Left: -24.272+/-7.404 χ^2/NDF: 67.9/35

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -7.939+/-9.122 χ^2/NDF:33.2/32

Out: -16.036+/-8.830 χ^2/NDF:76.4/37

All: -12.119+/-6.345 χ^2/NDF: 110.0/70



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.541+/-0.007 χ^2/NDF:200367.6/18

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.830+/-0.008 χ^2/NDF:208514.3/16

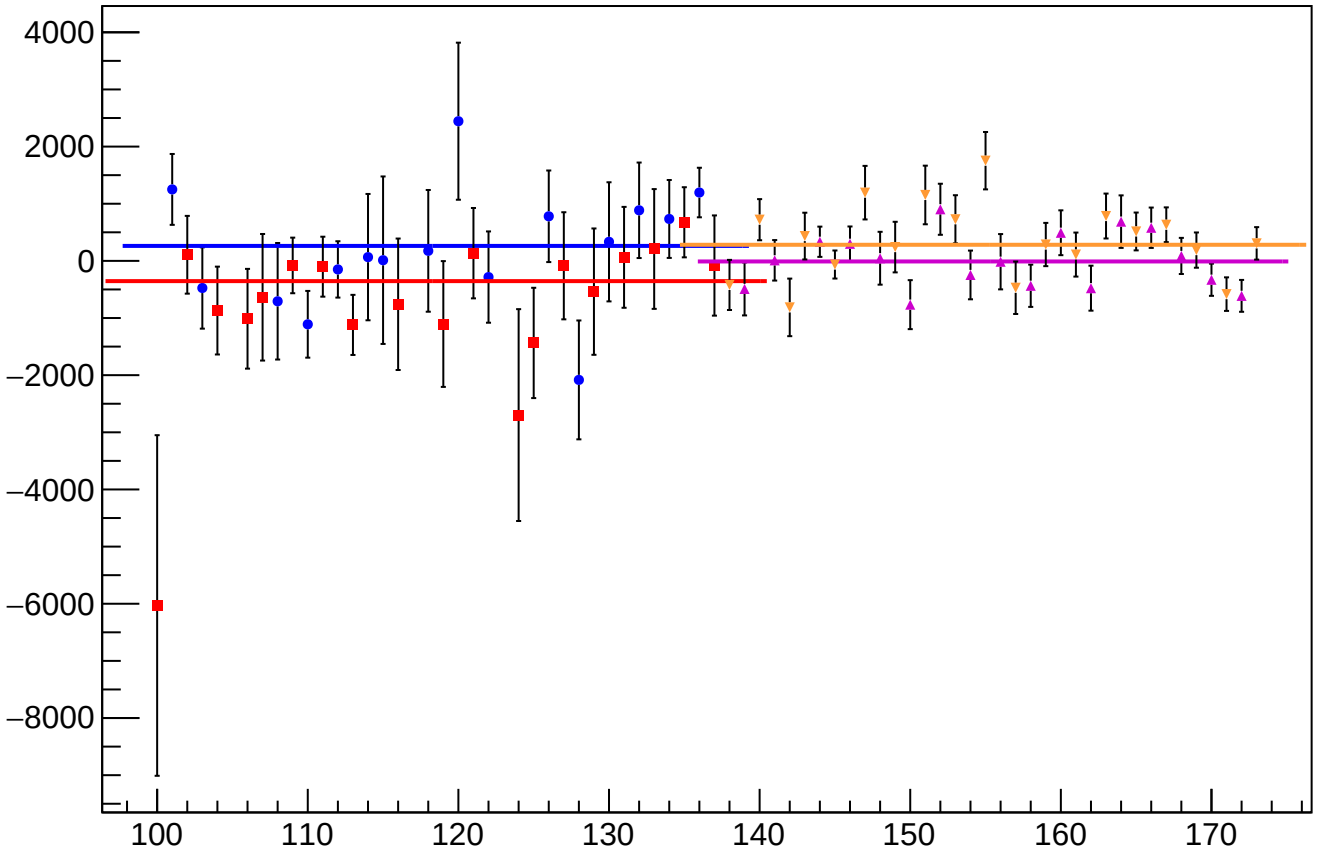
Left: 39.680+/-0.005 χ^2/NDF: 409644.1/35

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 41.438+/-0.006 χ^2/NDF:875690.7/32

Out: 41.171+/-0.006 χ^2/NDF:933432.5/37

All: 41.300+/-0.004 χ^2/NDF: 1810009.4/70



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 281.720+/-83.947 χ^2/NDF:42.4/18

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -10.144+/-87.313 χ^2/NDF:26.9/16

Left: 141.522+/-60.514 χ^2/NDF: 75.1/35

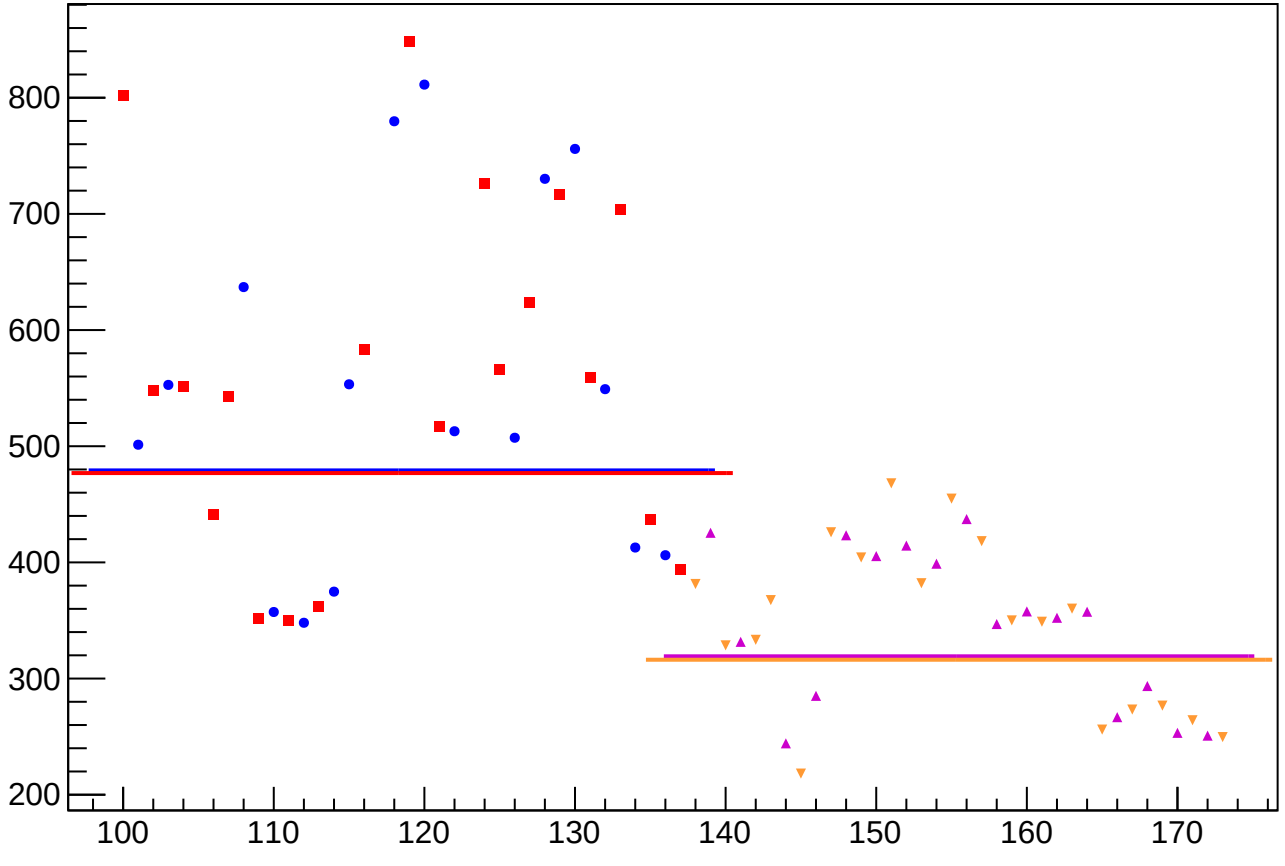
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 39.330+/-78.977 χ^2/NDF:53.7/32

Out: 170.063+/-76.222 χ^2/NDF:67.7/37

All: 107.016+/-54.845 χ^2/NDF: 122.8/70

asym_sam_15_37_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 316.196+/-0.059 χ^2/NDF:1430767.8/18

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 319.147+/-0.062 χ^2/NDF:1101077.9/16

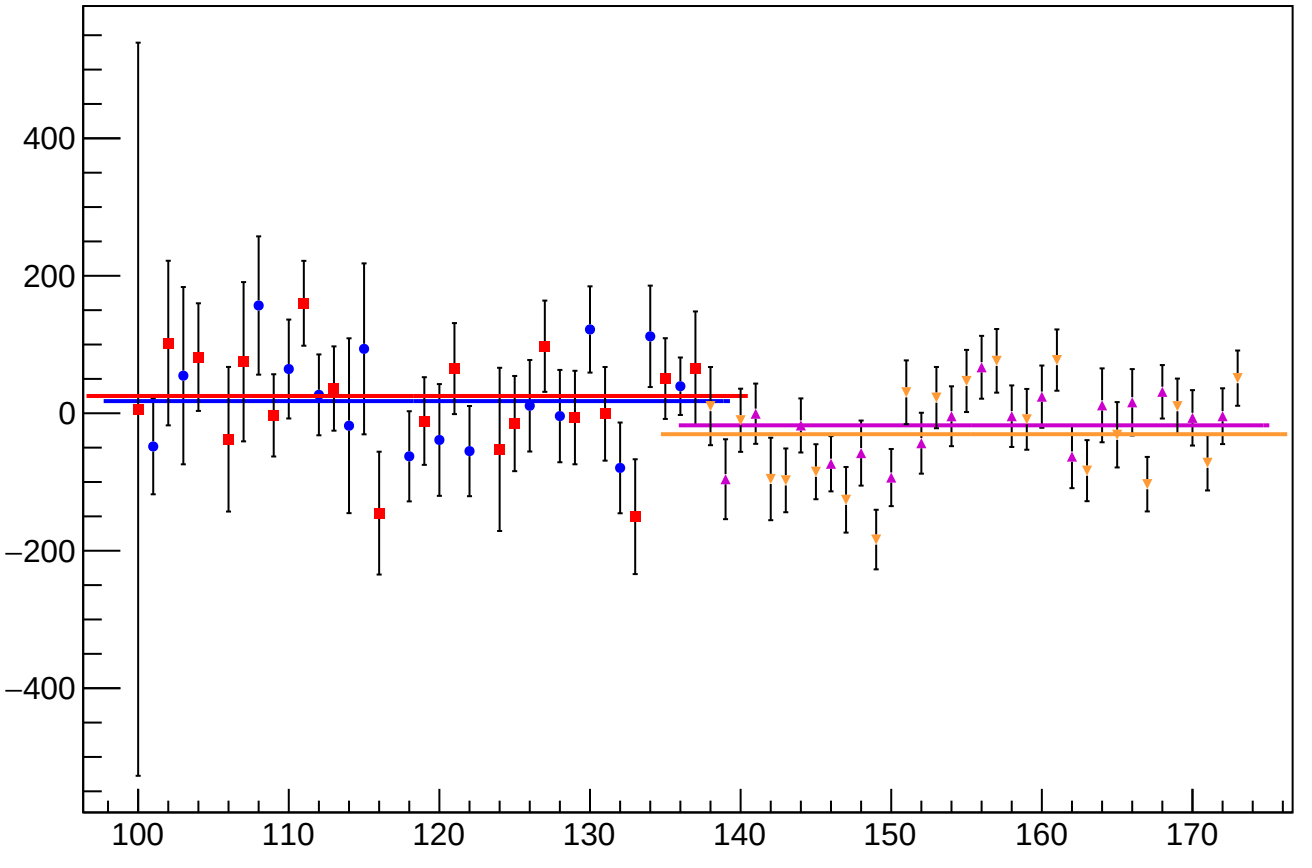
Left: 317.614+/-0.043 χ^2/NDF: 2533032.8/35

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 348.246+/-0.056 χ^2/NDF:3275470.3/32

Out: 344.412+/-0.054 χ^2/NDF:3721337.9/37

All: 346.261+/-0.039 χ^2/NDF: 6999248.3/70



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -30.455+/-10.260 χ^2/NDF:50.8/18

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -17.553+/-10.696 χ^2/NDF:16.3/16

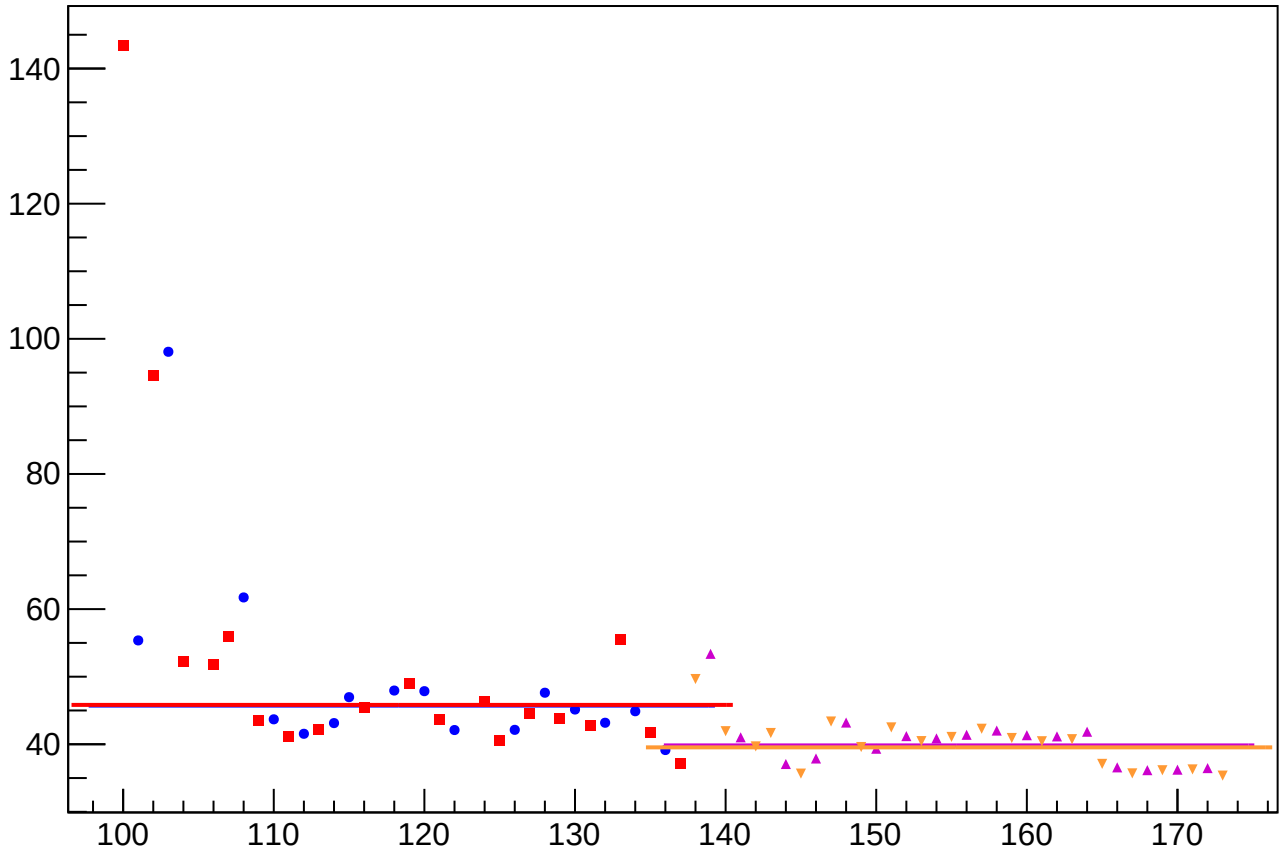
Left: -24.272+/-7.404 χ^2/NDF: 67.9/35

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -7.939+/-9.122 χ^2/NDF:33.2/32

Out: -16.036+/-8.830 χ^2/NDF:76.4/37

All: -12.119+/-6.345 χ^2/NDF: 110.0/70



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.541+/-0.007 χ^2/NDF:200367.6/18

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.830+/-0.008 χ^2/NDF:208514.3/16

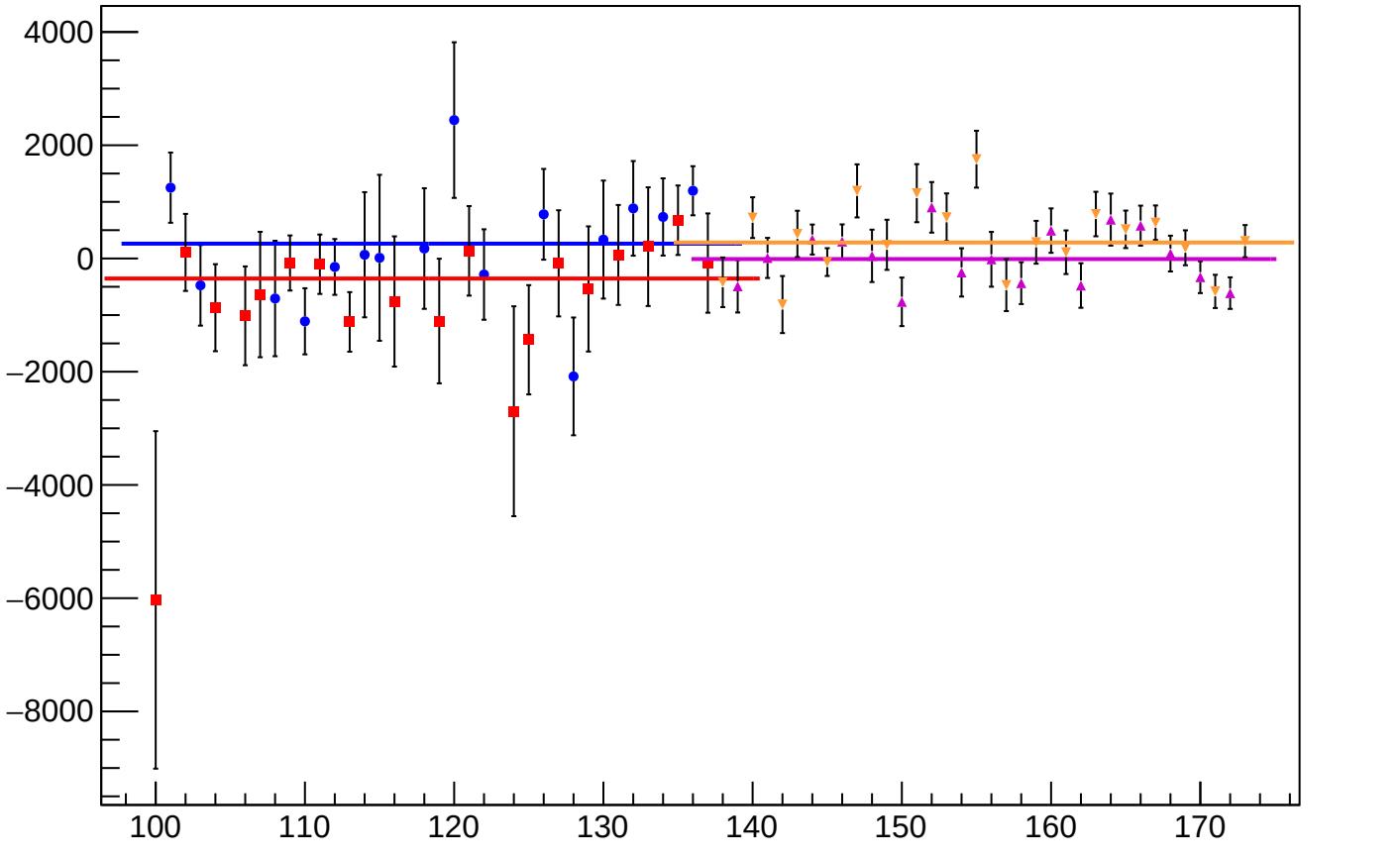
Left: 39.680+/-0.005 χ^2/NDF: 409644.1/35

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 41.438+/-0.006 χ^2/NDF:875690.7/32

Out: 41.171+/-0.006 χ^2/NDF:933432.5/37

All: 41.300+/-0.004 χ^2/NDF: 1810009.4/70



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 281.720+/-83.947 χ^2/NDF:42.4/18

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -10.144+/-87.313 χ^2/NDF:26.9/16

Left: 141.522+/-60.514 χ^2/NDF: 75.1/35

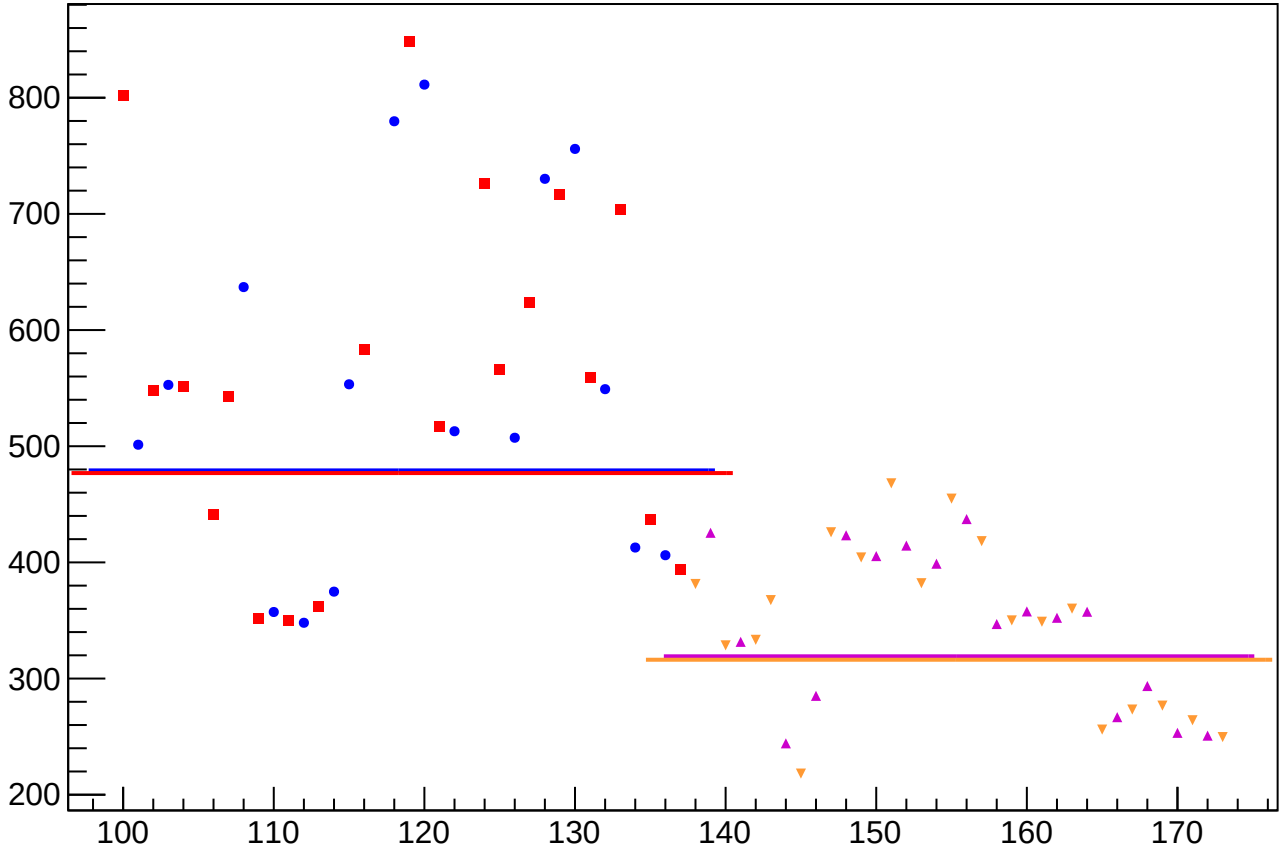
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 39.330+/-78.977 χ^2/NDF:53.7/32

Out: 170.063+/-76.222 χ^2/NDF:67.7/37

All: 107.016+/-54.845 χ^2/NDF: 122.8/70

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: 316.196+/-0.059 χ^2/NDF:1430767.8/18

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 319.147+/-0.062 χ^2/NDF:1101077.9/16

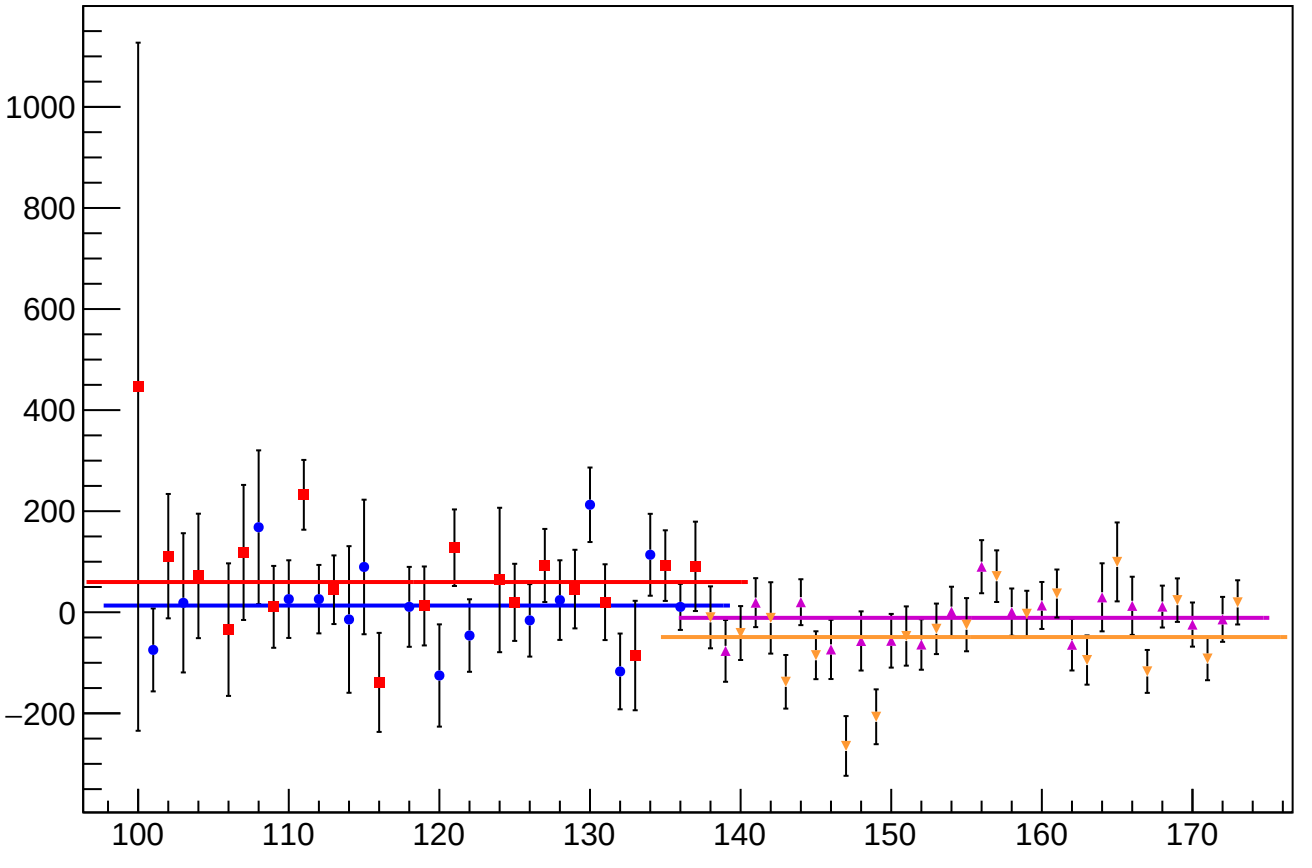
Left: 317.614+/-0.043 χ^2/NDF: 2533032.8/35

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 348.246+/-0.056 χ^2/NDF:3275470.3/32

Out: 344.412+/-0.054 χ^2/NDF:3721337.9/37

All: 346.261+/-0.039 χ^2/NDF: 6999248.3/70



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -49.079+/-11.664 χ^2/NDF:49.4/18

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -11.061+/-12.192 χ^2/NDF:11.7/16

Left: -30.912+/-8.428 χ^2/NDF: 66.2/35

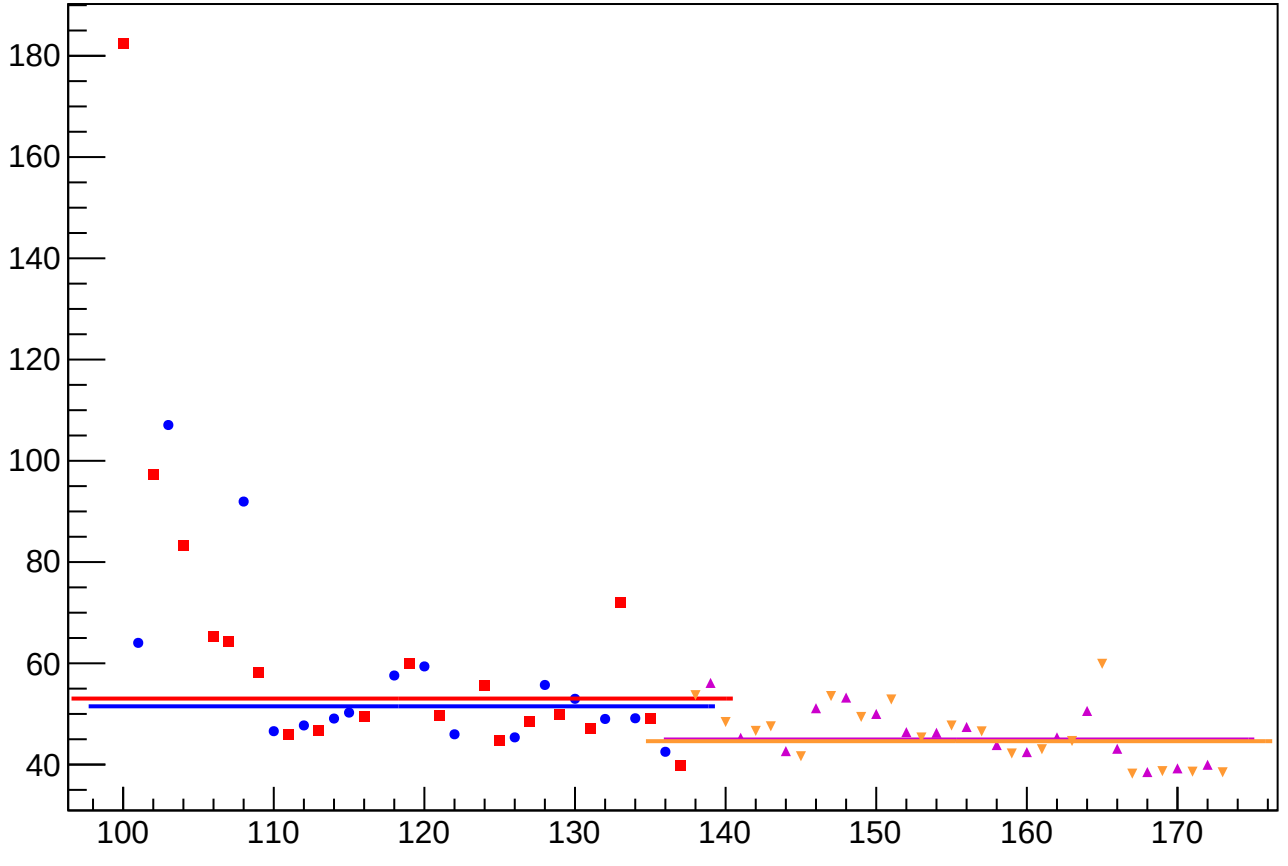
Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -4.397+/-10.389 χ^2/NDF:30.0/32

Out: -21.921+/-10.105 χ^2/NDF:87.2/37

All: -13.402+/-7.244 χ^2/NDF: 118.7/70

dit_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 44.618+/-0.008 χ^2/NDF:427371.5/18

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 44.953+/-0.009 χ^2/NDF:290418.5/16

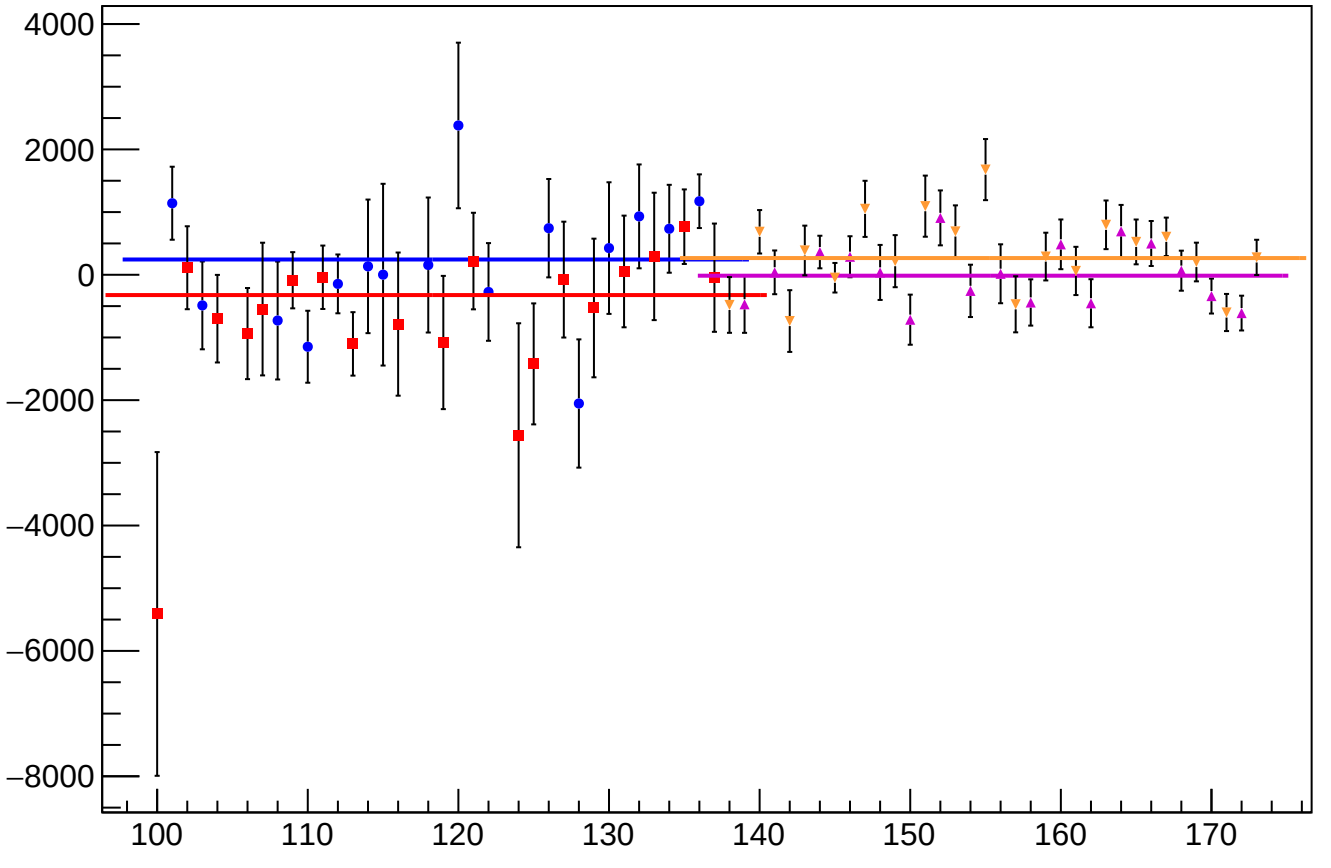
Left: 44.778+/-0.006 χ^2/NDF: 718580.8/35

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 46.748+/-0.007 χ^2/NDF:1115712.5/32

Out: 46.718+/-0.007 χ^2/NDF:1400213.1/37

All: 46.733+/-0.005 χ^2/NDF: 2515934.5/70



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 266.683+/-83.013 χ^2/NDF:41.0/18

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: -14.715+/-86.490 χ^2/NDF:27.0/16

Left: 131.754+/-59.891 χ^2/NDF: 73.5/35

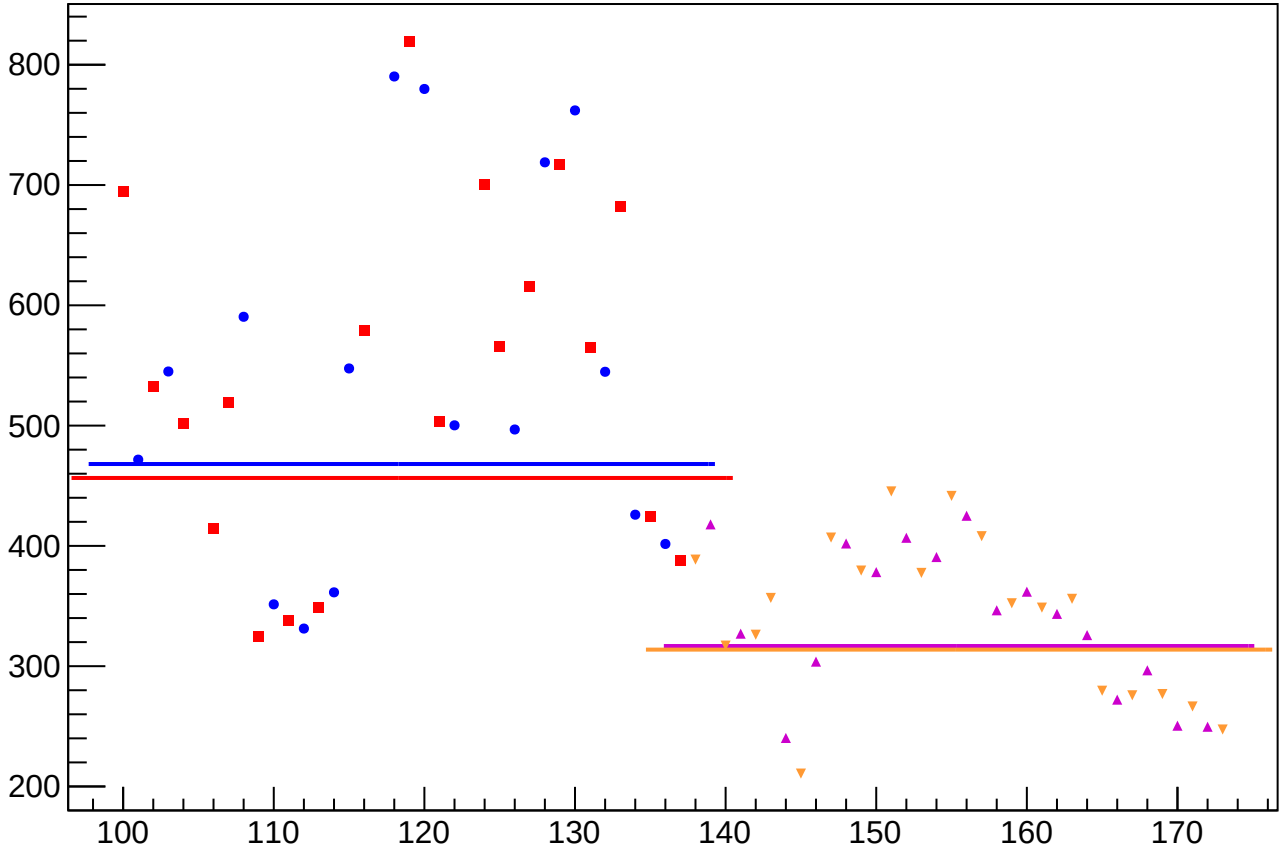
Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 33.402+/-78.028 χ^2/NDF:54.3/32

Out: 156.855+/-74.894 χ^2/NDF:66.9/37

All: 97.657+/-54.032 χ^2/NDF: 122.4/70

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: 313.771+/-0.059 χ^2/NDF:1319609.8/18

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 316.763+/-0.061 χ^2/NDF:970742.7/16

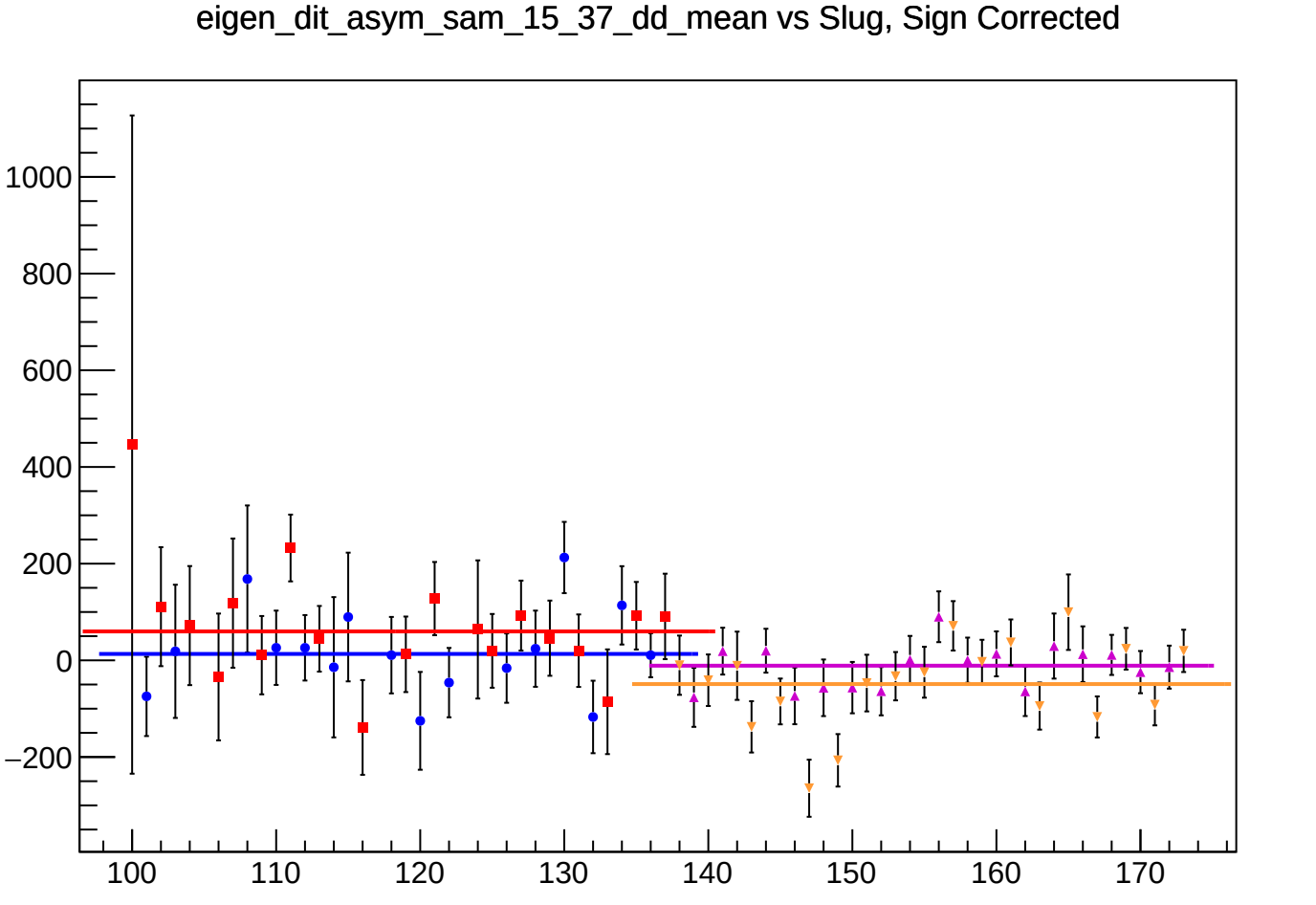
Left: 315.206+/-0.042 χ^2/NDF: 2291598.2/35

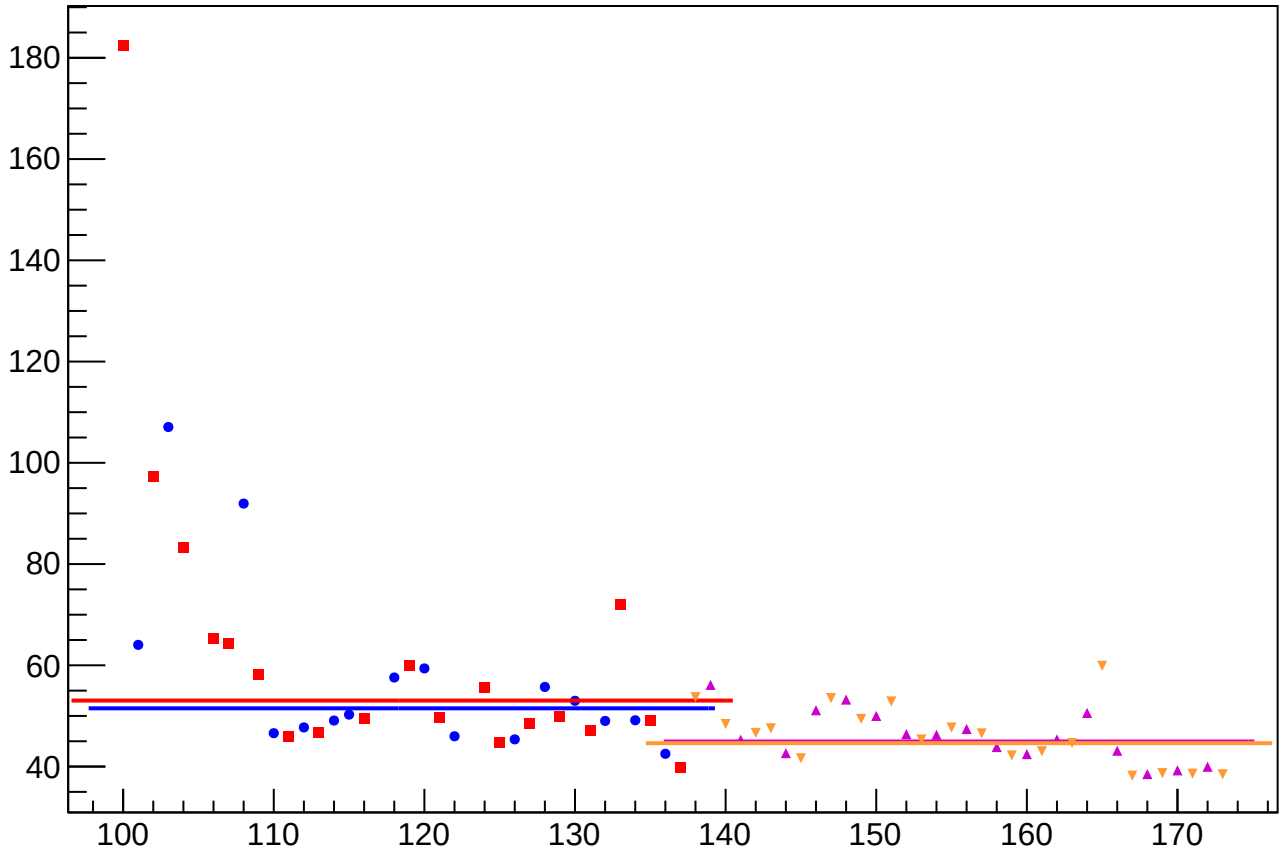
Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 344.921+/-0.055 χ^2/NDF:3092719.9/32

Out: 340.320+/-0.053 χ^2/NDF:3501683.3/37

All: 342.527+/-0.038 χ^2/NDF: 6598023.1/70


eigen_dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
100
110
120
130
140
150
160
170
Right In: 13.266+/-19.849 χ²/NDF: 17.2/15
Left Out: -49.079+/-11.664 χ²/NDF:49.4/18
Right Out: 59.811+/-20.234 χ²/NDF: 16.1/18
Left In: -11.061+/-12.192 χ²/NDF:11.7/16
Left: -30.912+/-8.428 χ²/NDF: 66.2/35
Right: 36.092+/-14.170 χ²/NDF: 36.0/34
In: -4.397+/-10.389 χ²/NDF:30.0/32
Out: -21.921+/-10.105 χ²/NDF:87.2/37
All: -13.402+/-7.244 χ²/NDF: 118.7/70



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 44.618+/-0.008 χ^2/NDF:427374.8/18

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 44.953+/-0.009 χ^2/NDF:290419.0/16

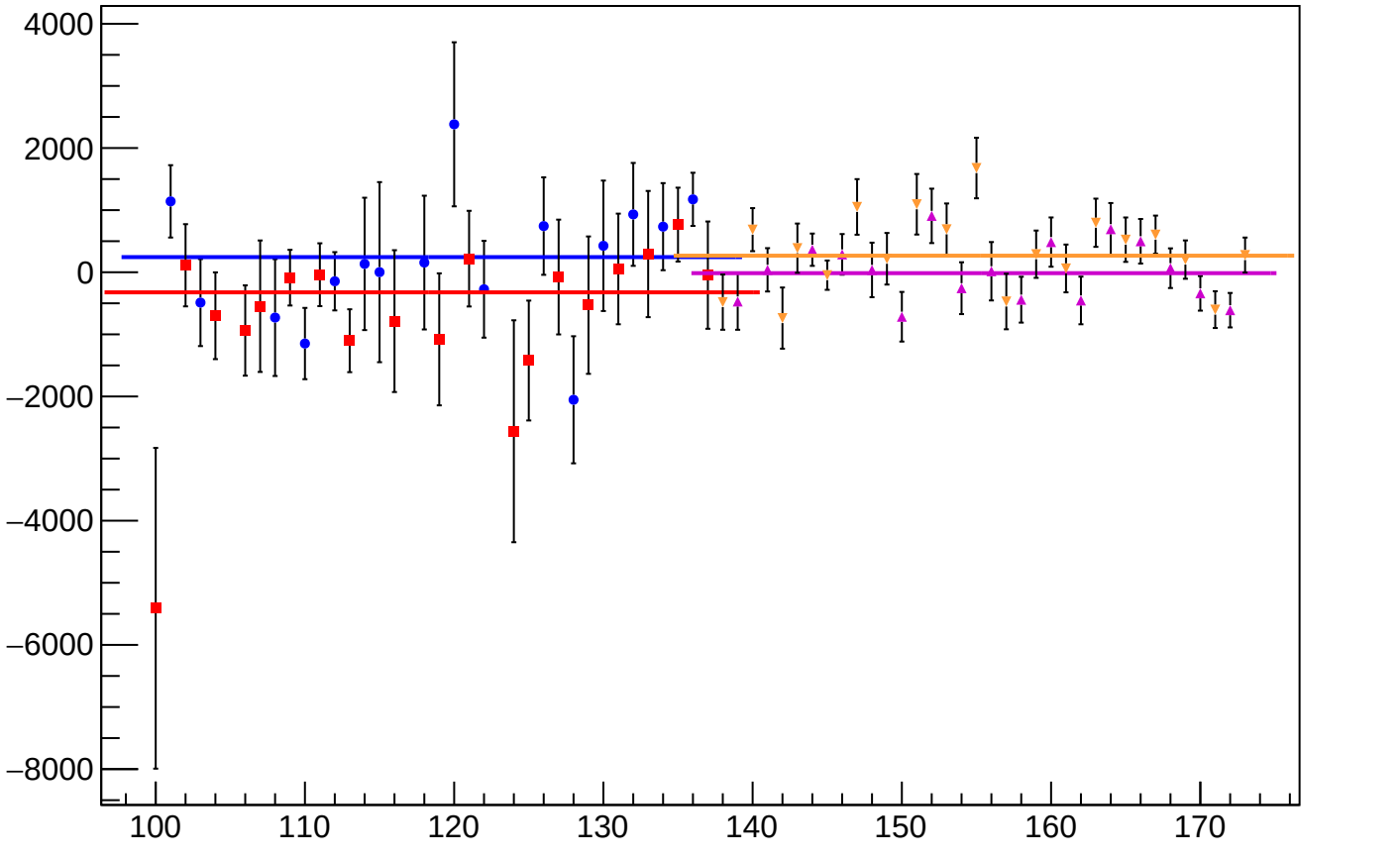
Left: 44.778+/-0.006 χ^2/NDF: 718584.7/35

Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

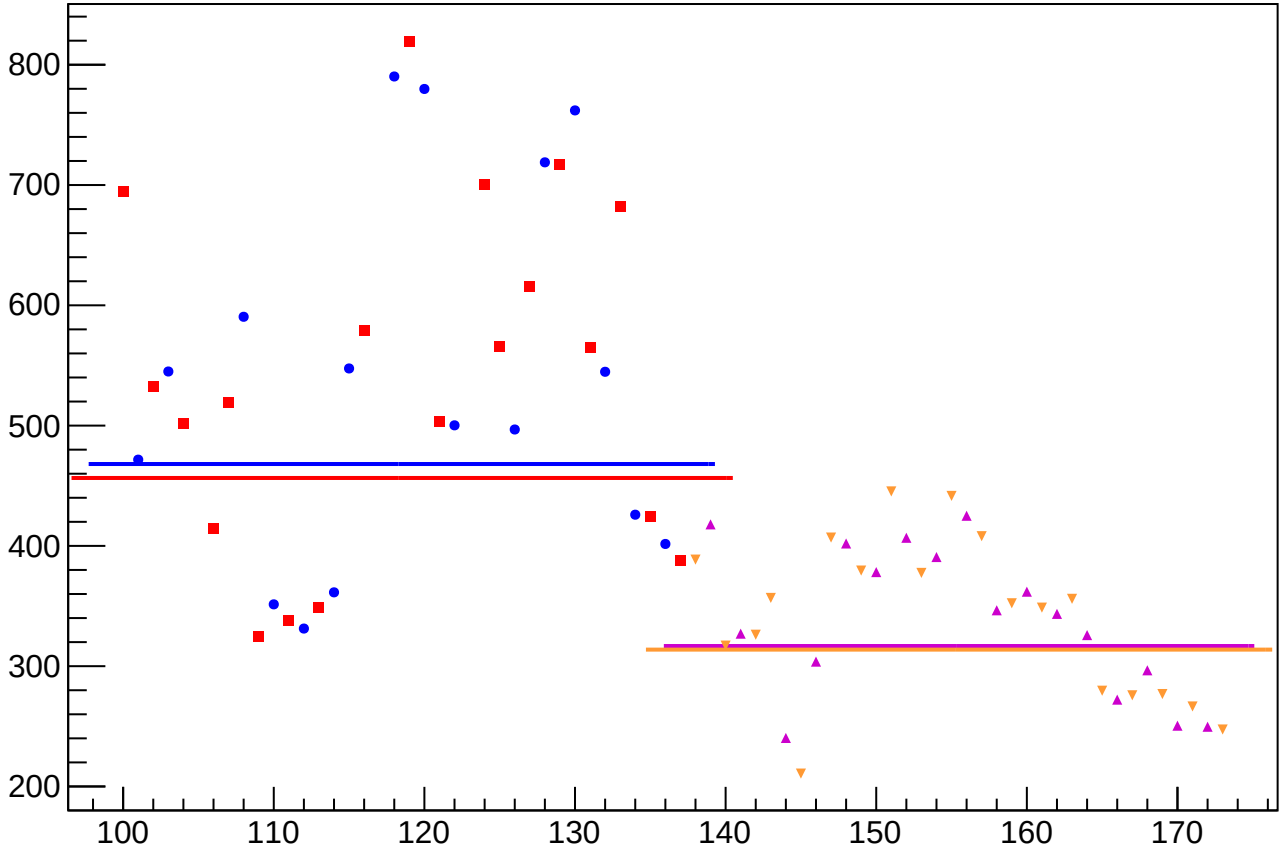
In: 46.748+/-0.007 χ^2/NDF:1115717.8/32

Out: 46.718+/-0.007 χ^2/NDF:1400226.4/37

All: 46.733+/-0.005 χ^2/NDF: 2515953.1/70


asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
Right In: 243.826+/-180.872 χ²/NDF: 25.6/15
Left Out: 266.684+/-83.013 χ²/NDF:41.0/18
Right Out: -323.628+/-173.631 χ²/NDF: 16.5/18
Left In: -14.714+/-86.490 χ²/NDF:27.0/16
Left: 131.755+/-59.891 χ²/NDF: 73.5/35
Right: -51.485+/-125.257 χ²/NDF: 47.2/34
In: 33.402+/-78.028 χ²/NDF:54.3/32
Out: 156.855+/-74.894 χ²/NDF:66.9/37
All: 97.658+/-54.032 χ²/NDF: 122.4/70

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: 313.771+/-0.059 χ^2/NDF:1319606.2/18

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 316.763+/-0.061 χ^2/NDF:970739.4/16

Left: 315.206+/-0.042 χ^2/NDF: 2291591.4/35

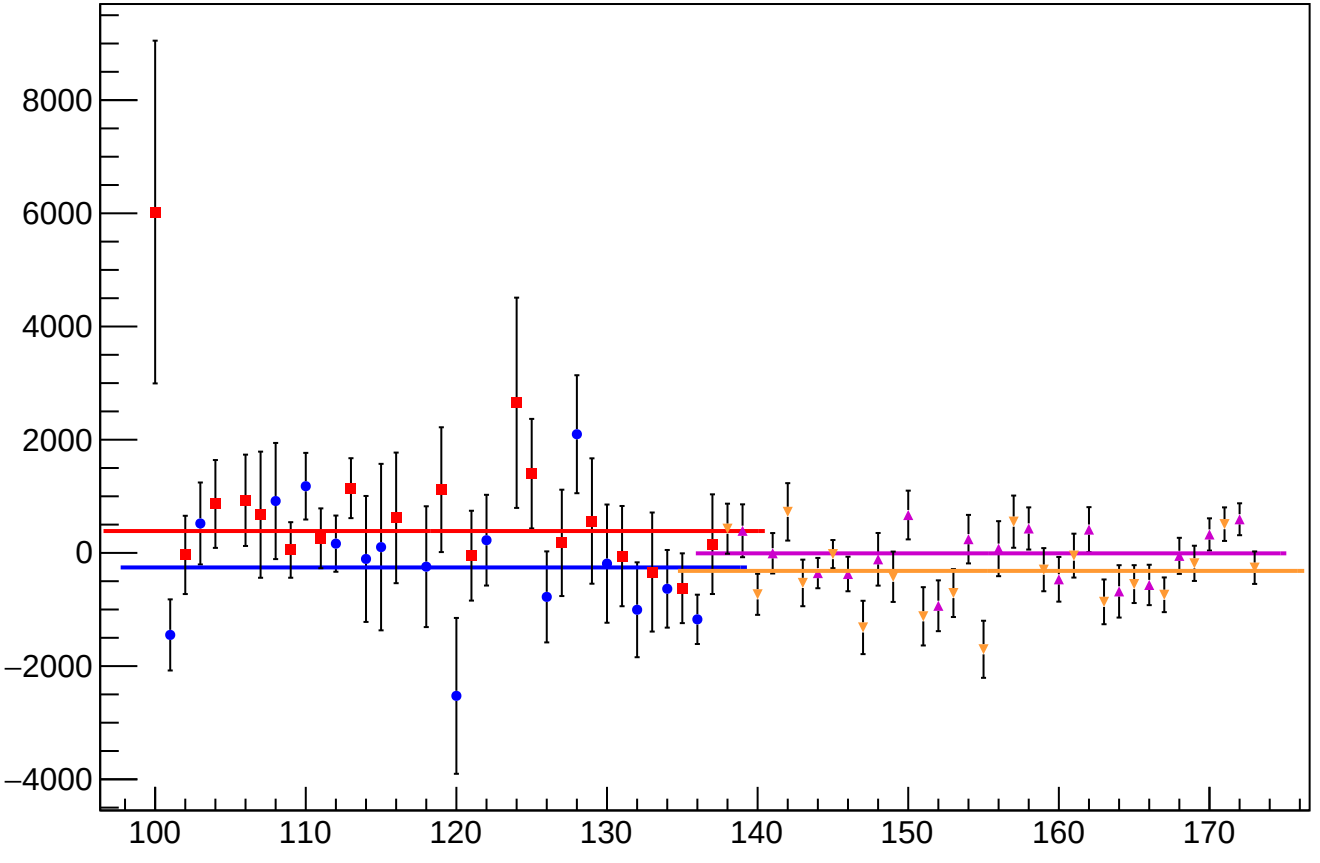
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 344.922+/-0.055 χ^2/NDF:3092703.7/32

Out: 340.320+/-0.053 χ^2/NDF:3501663.8/37

All: 342.527+/-0.038 χ^2/NDF: 6597987.4/70

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -317.776+/-84.646 χ^2/NDF:41.8/18

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: -7.767+/-88.038 χ^2/NDF:25.4/16

Left: -168.858+/-61.018 χ^2/NDF: 73.6/35

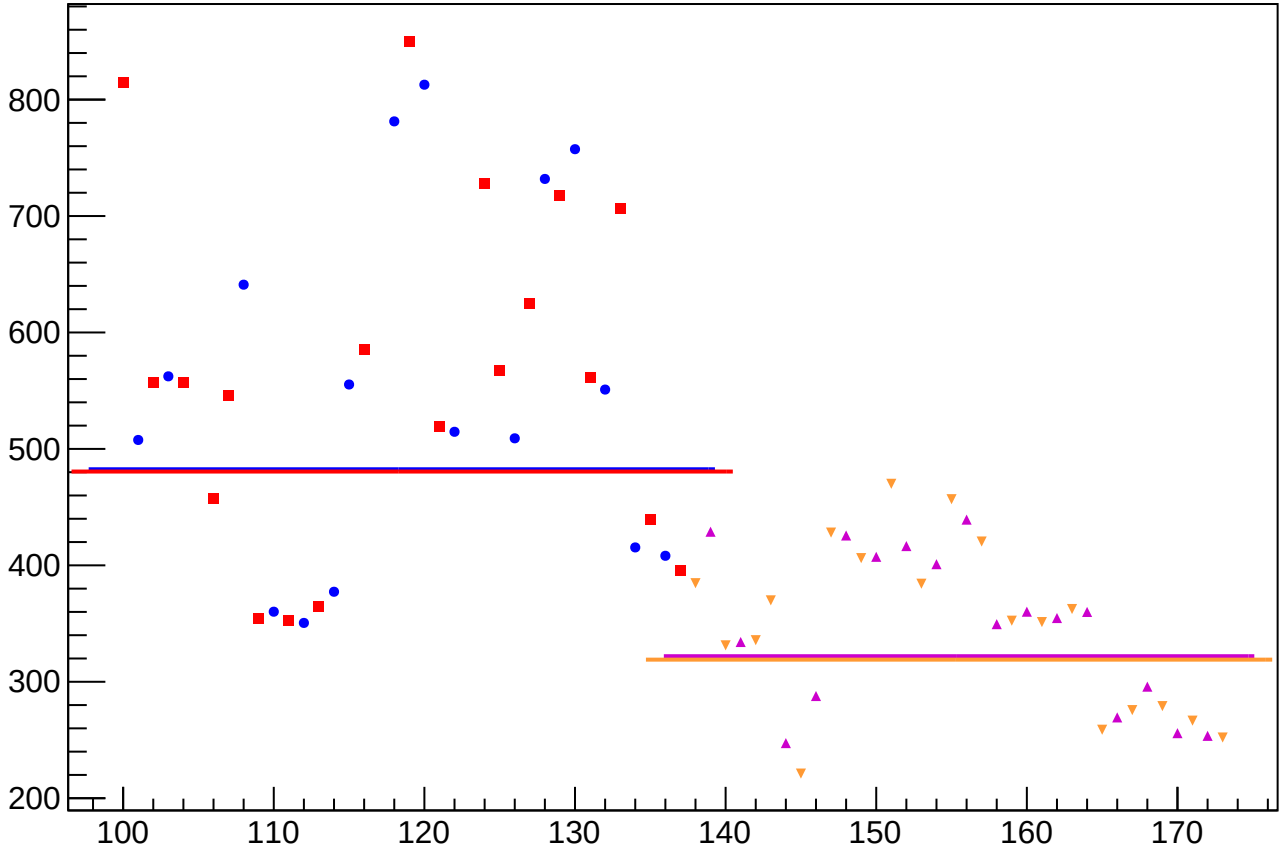
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -53.153+/-79.611 χ^2/NDF:53.8/32

Out: -192.947+/-76.778 χ^2/NDF:68.3/37

All: -125.581+/-55.265 χ^2/NDF: 123.6/70

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 319.014+/-0.060 χ^2/NDF:1400547.7/18

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 321.963+/-0.062 χ^2/NDF:1077892.2/16

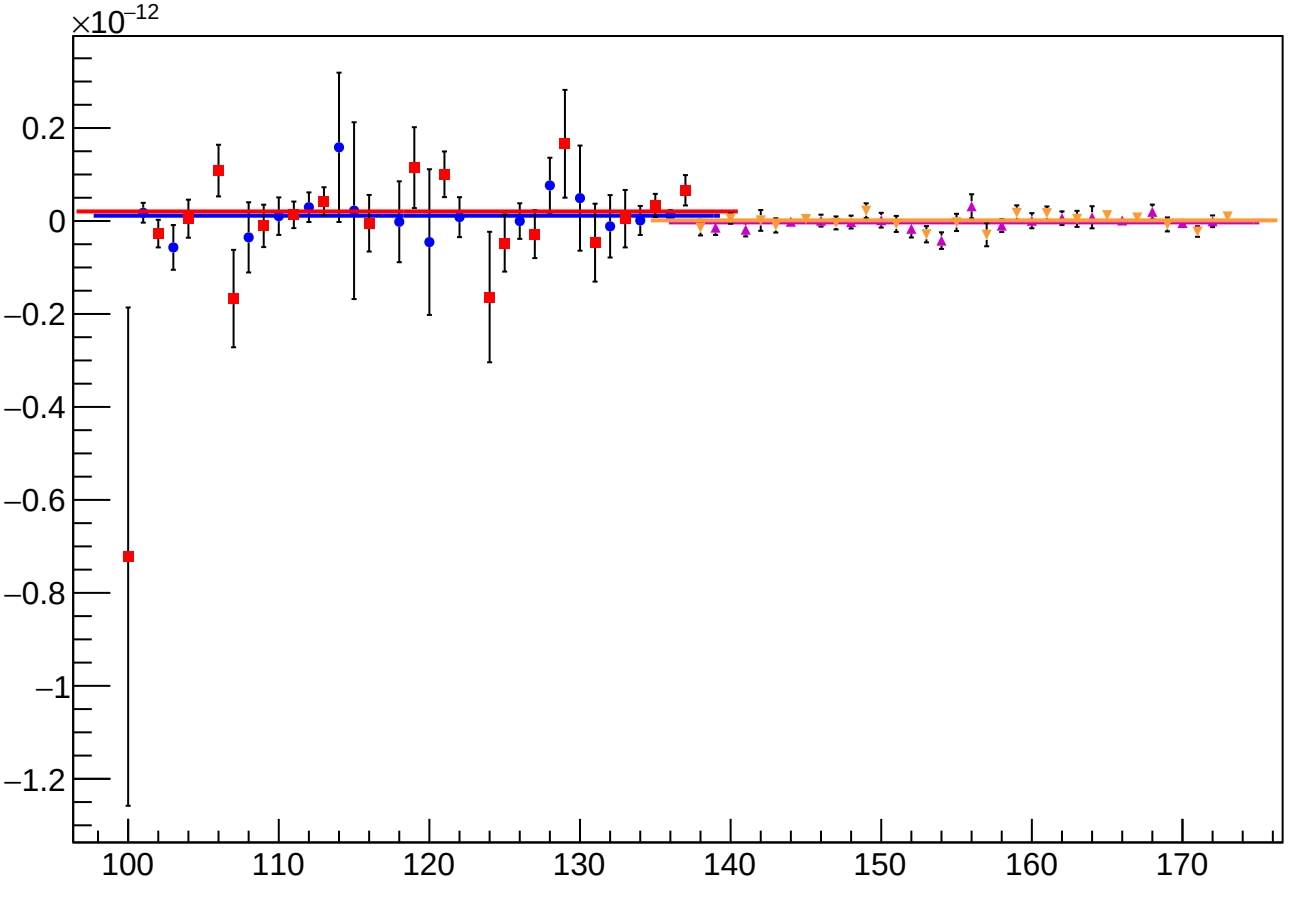
Left: 320.431+/-0.043 χ^2/NDF: 2479606.0/35

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 351.230+/-0.056 χ^2/NDF:3236874.7/32

Out: 347.649+/-0.054 χ^2/NDF:3685587.5/37

All: 349.375+/-0.039 χ^2/NDF: 6924558.0/70



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:12.2/16

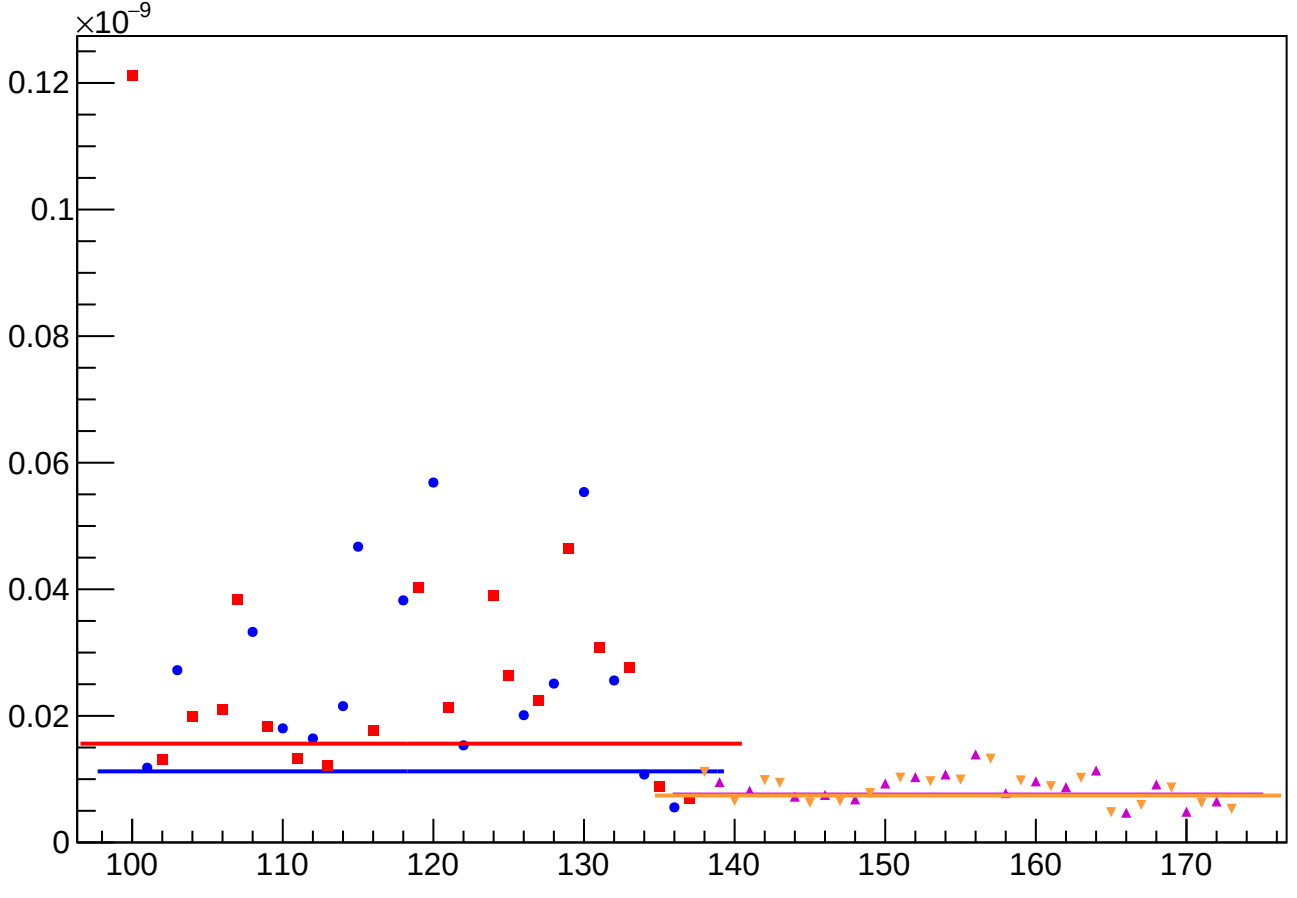
Left: -0.000+/-0.000 χ^2/NDF: 30.4/35

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: -0.000+/-0.000 χ^2/NDF:20.4/32

Out: 0.000+/-0.000 χ^2/NDF:44.3/37

All: 0.000+/-0.000 χ^2/NDF: 65.4/70



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:847307.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:753438.3/16

Left: 0.000+/-0.000 χ^2/NDF: 1602876.0/35

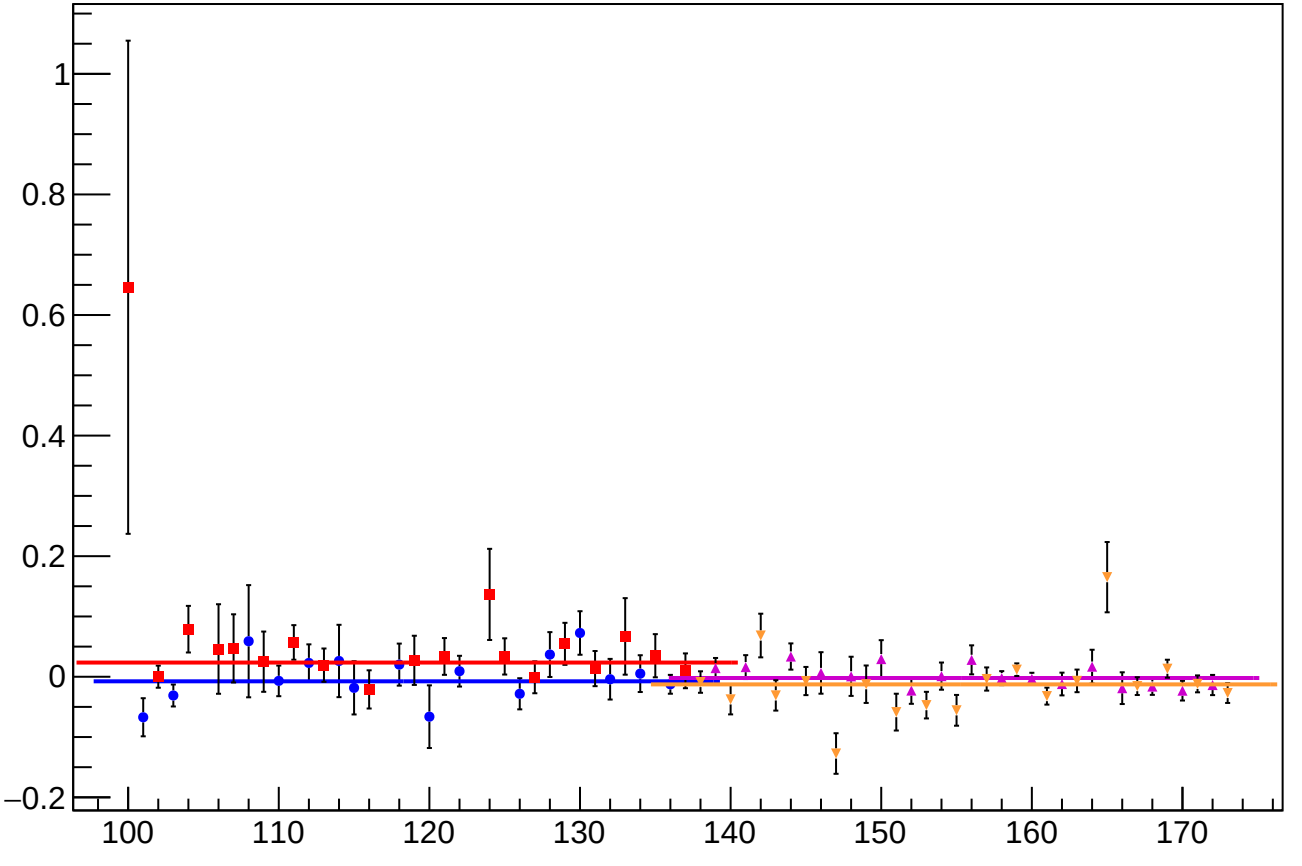
Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:3213201.2/32

Out: 0.000+/-0.000 χ^2/NDF:3199468.6/37

All: 0.000+/-0.000 χ^2/NDF: 6412680.0/70

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.013+/-0.004 χ^2/NDF:46.6/18

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.002+/-0.004 χ^2/NDF:12.4/16

Left: -0.007+/-0.003 χ^2/NDF: 61.9/35

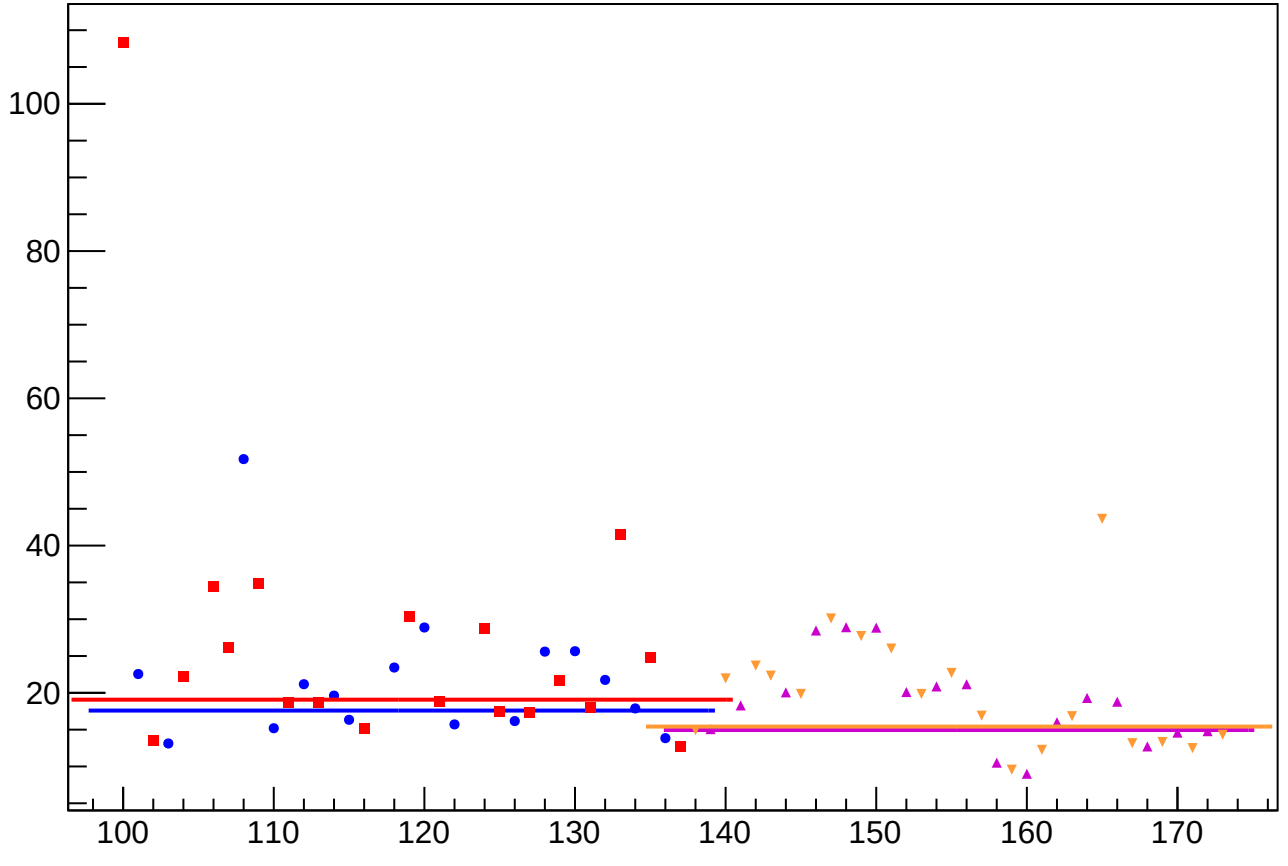
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.004 χ^2/NDF:29.5/32

Out: -0.004+/-0.004 χ^2/NDF:77.9/37

All: -0.004+/-0.003 χ^2/NDF: 107.4/70

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 15.418+/-0.003 χ^2/NDF:3045528.3/18

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 14.949+/-0.003 χ^2/NDF:2766302.5/16

Left: 15.186+/-0.002 χ^2/NDF: 5823437.3/35

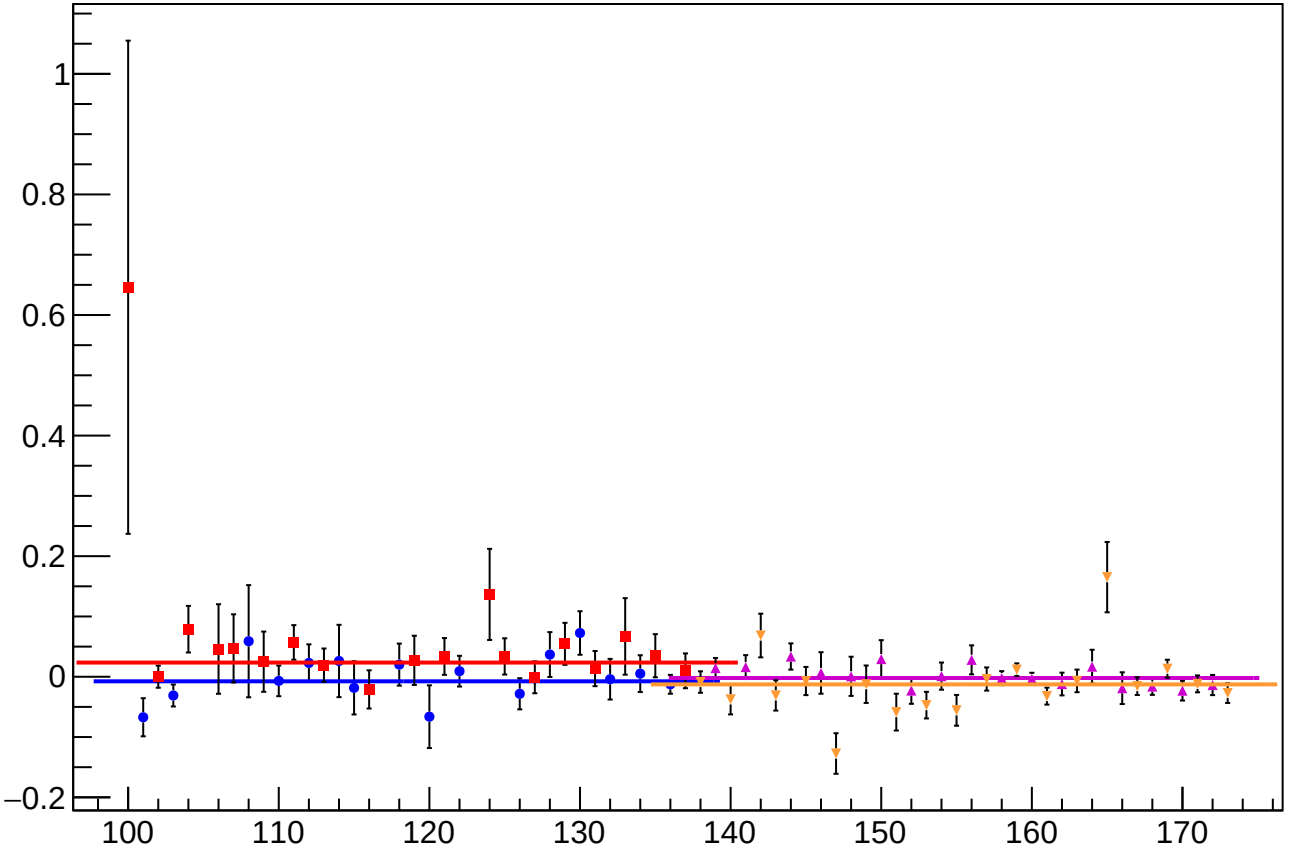
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.662+/-0.003 χ^2/NDF:3956209.1/32

Out: 16.289+/-0.003 χ^2/NDF:4632747.8/37

All: 15.972+/-0.002 χ^2/NDF: 8616753.9/70

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: -0.013+/-0.004 χ^2/NDF:46.6/18

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.002+/-0.004 χ^2/NDF:12.4/16

Left: -0.007+/-0.003 χ^2/NDF: 61.9/35

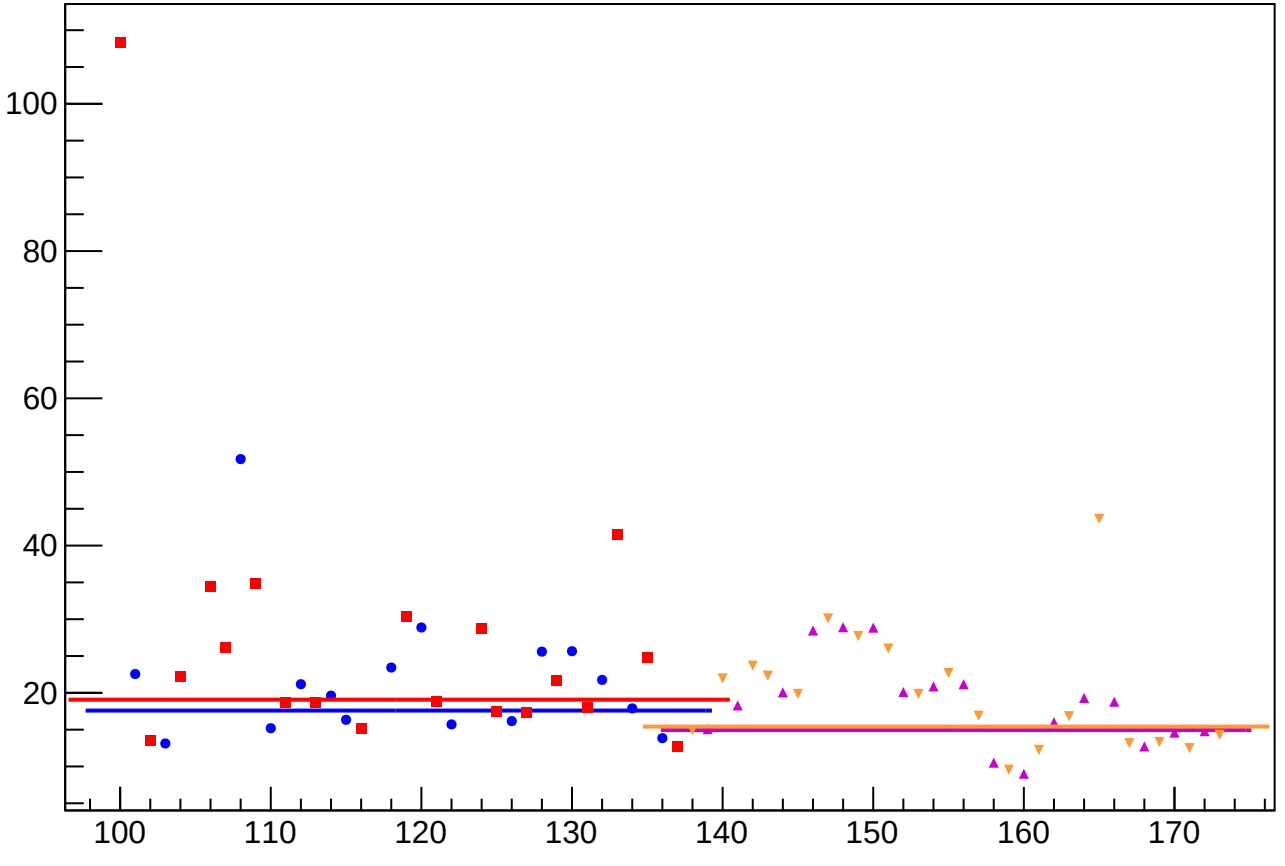
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.004 χ^2/NDF:29.5/32

Out: -0.004+/-0.004 χ^2/NDF:77.9/37

All: -0.004+/-0.003 χ^2/NDF: 107.4/70

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: 15.418+/-0.003 χ^2/NDF:3045528.3/18

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 14.949+/-0.003 χ^2/NDF:2766302.5/16

Left: 15.186+/-0.002 χ^2/NDF: 5823437.3/35

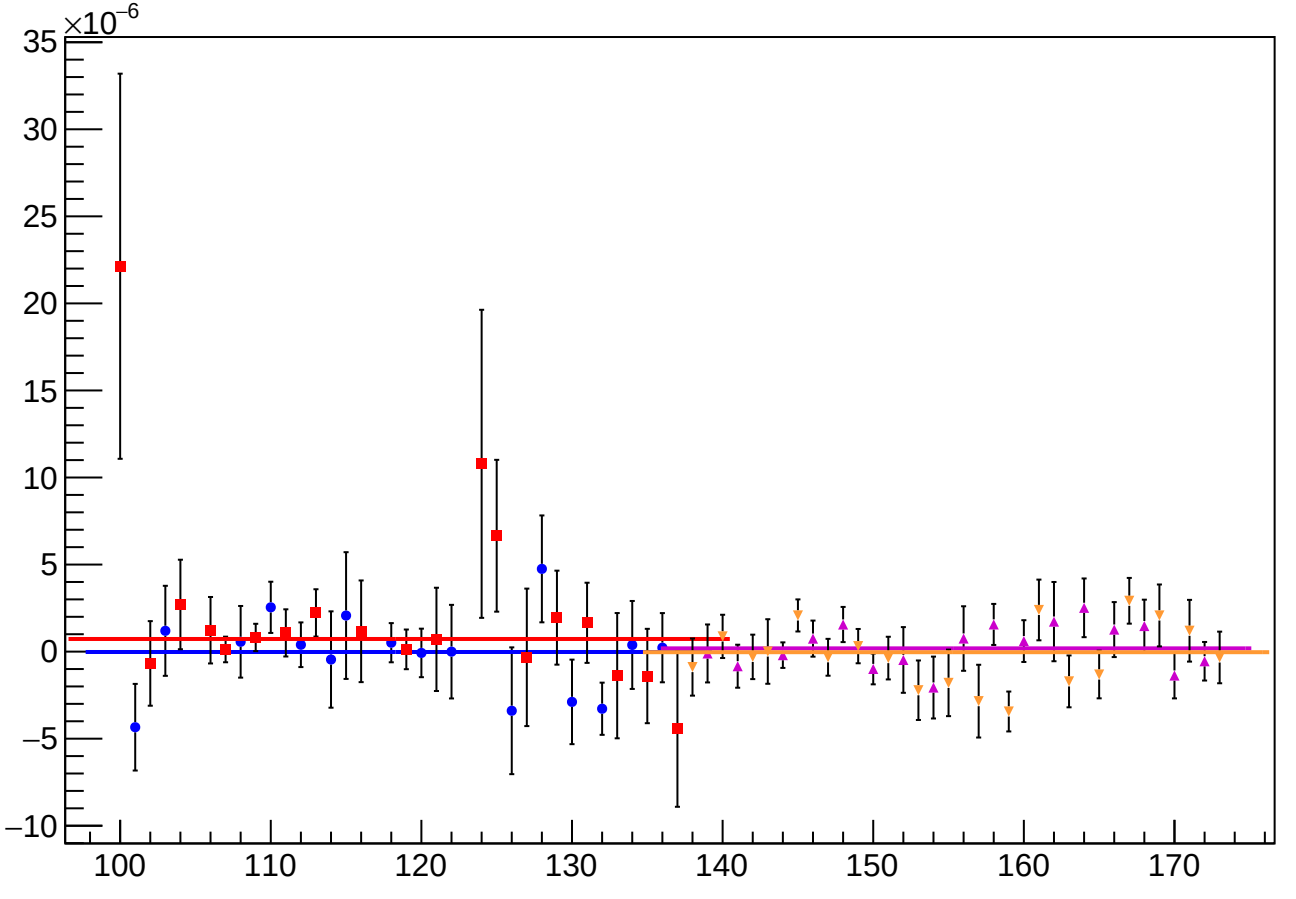
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.662+/-0.003 χ^2/NDF:3956209.1/32

Out: 16.289+/-0.003 χ^2/NDF:4632747.8/37

All: 15.972+/-0.002 χ^2/NDF: 8616753.9/70

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/16

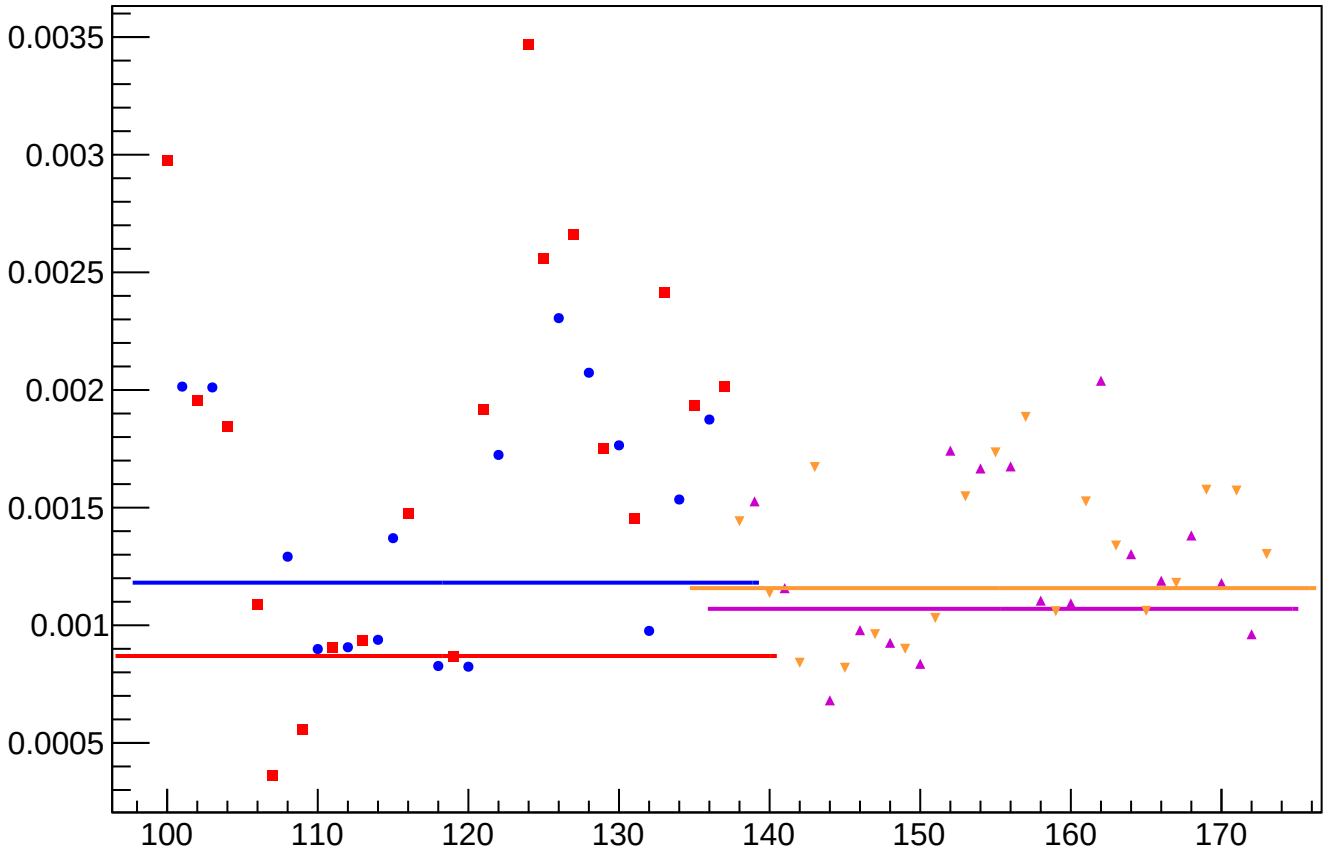
Left: 0.000+/-0.000 χ^2/NDF: 44.5/35

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:30.3/32

Out: 0.000+/-0.000 χ^2/NDF:45.8/37

All: 0.000+/-0.000 χ^2/NDF: 76.2/70



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1747069.6/18

Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:2143322.3/16

Left: 0.001+/-0.000 χ^2/NDF: 3973416.0/35

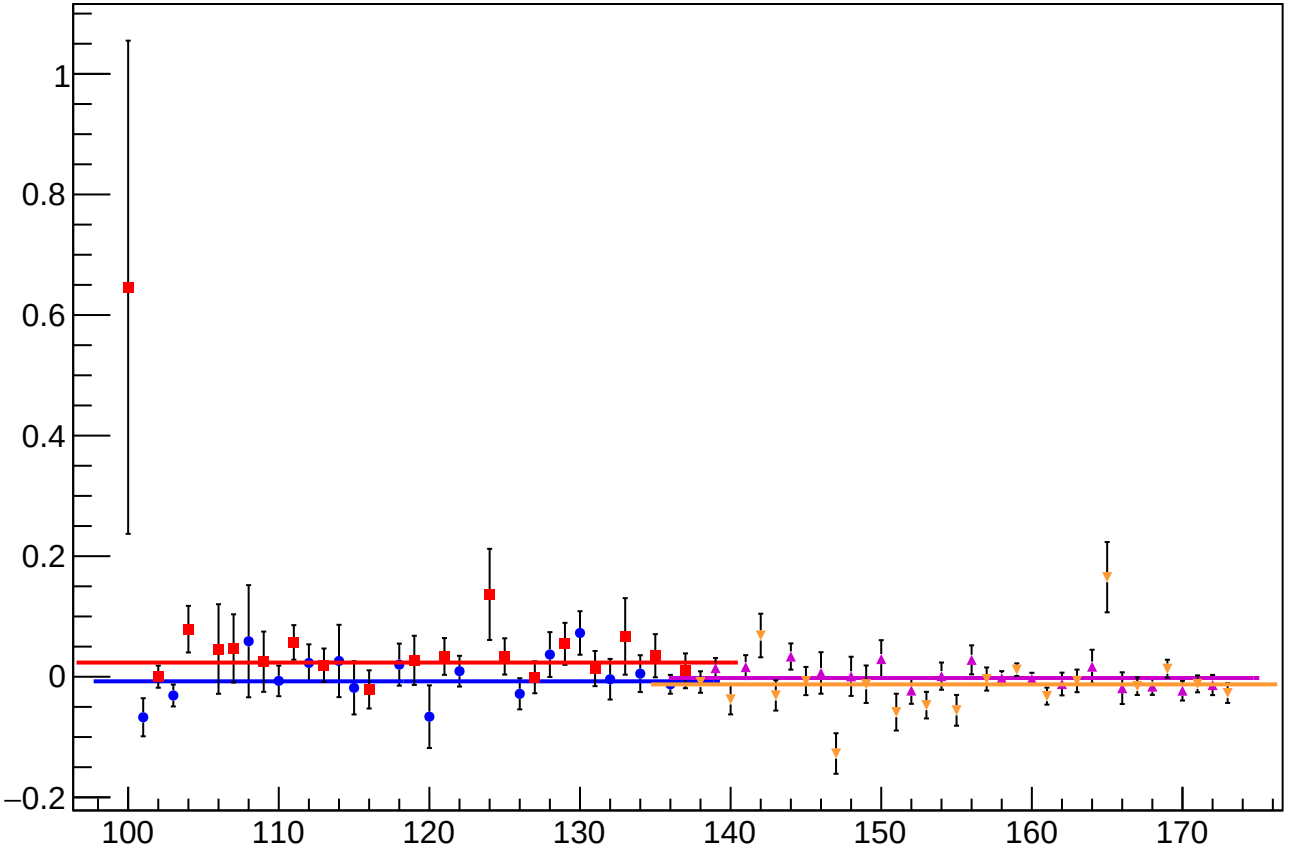
Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:4050593.7/32

Out: 0.001+/-0.000 χ^2/NDF:6868995.2/37

All: 0.001+/-0.000 χ^2/NDF: 10977423.5/70

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.013+/-0.004 χ^2/NDF:46.6/18

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.002+/-0.004 χ^2/NDF:12.4/16

Left: -0.007+/-0.003 χ^2/NDF: 61.9/35

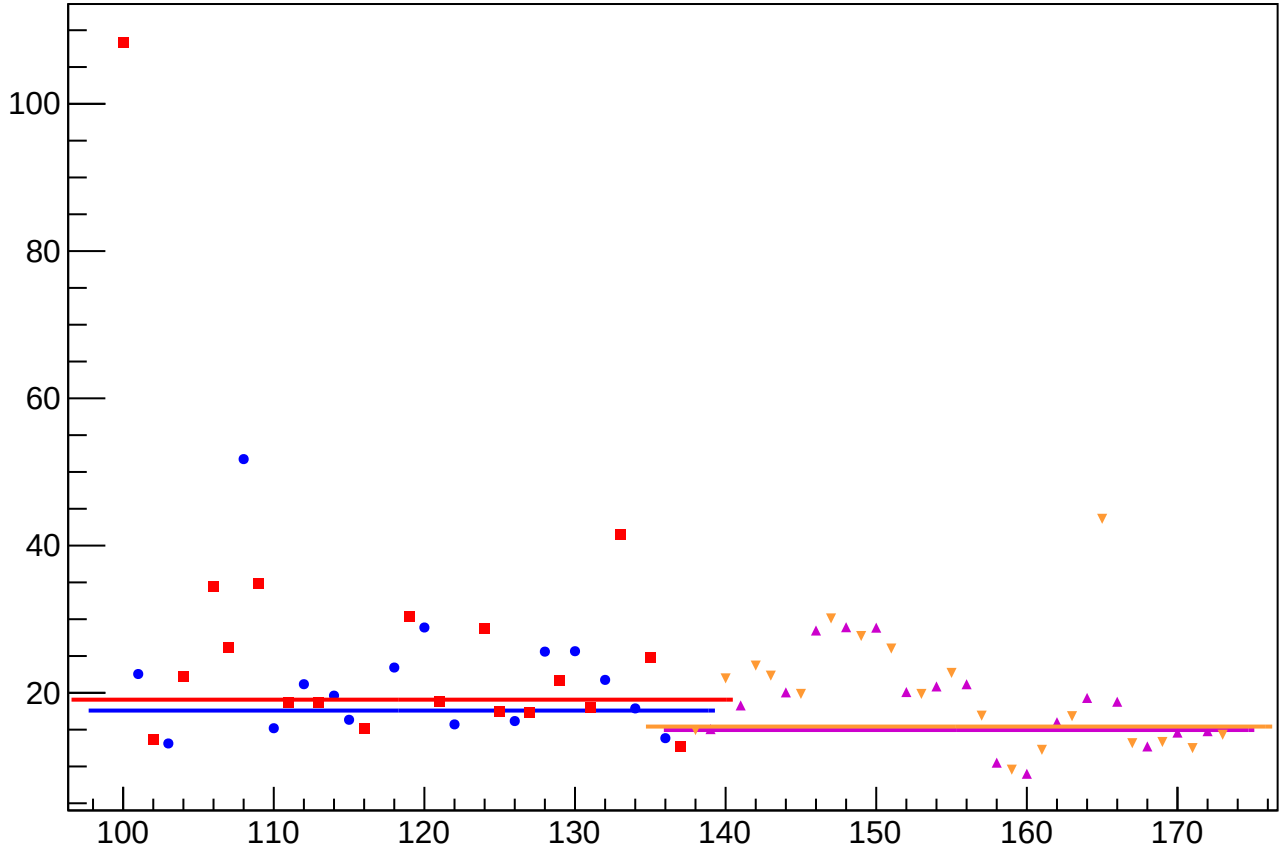
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.004 χ^2/NDF:29.5/32

Out: -0.004+/-0.004 χ^2/NDF:77.9/37

All: -0.004+/-0.003 χ^2/NDF: 107.4/70

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: 15.418+/-0.003 χ^2/NDF:3045780.3/18

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 14.949+/-0.003 χ^2/NDF:2766612.7/16

Left: 15.186+/-0.002 χ^2/NDF: 5824005.0/35

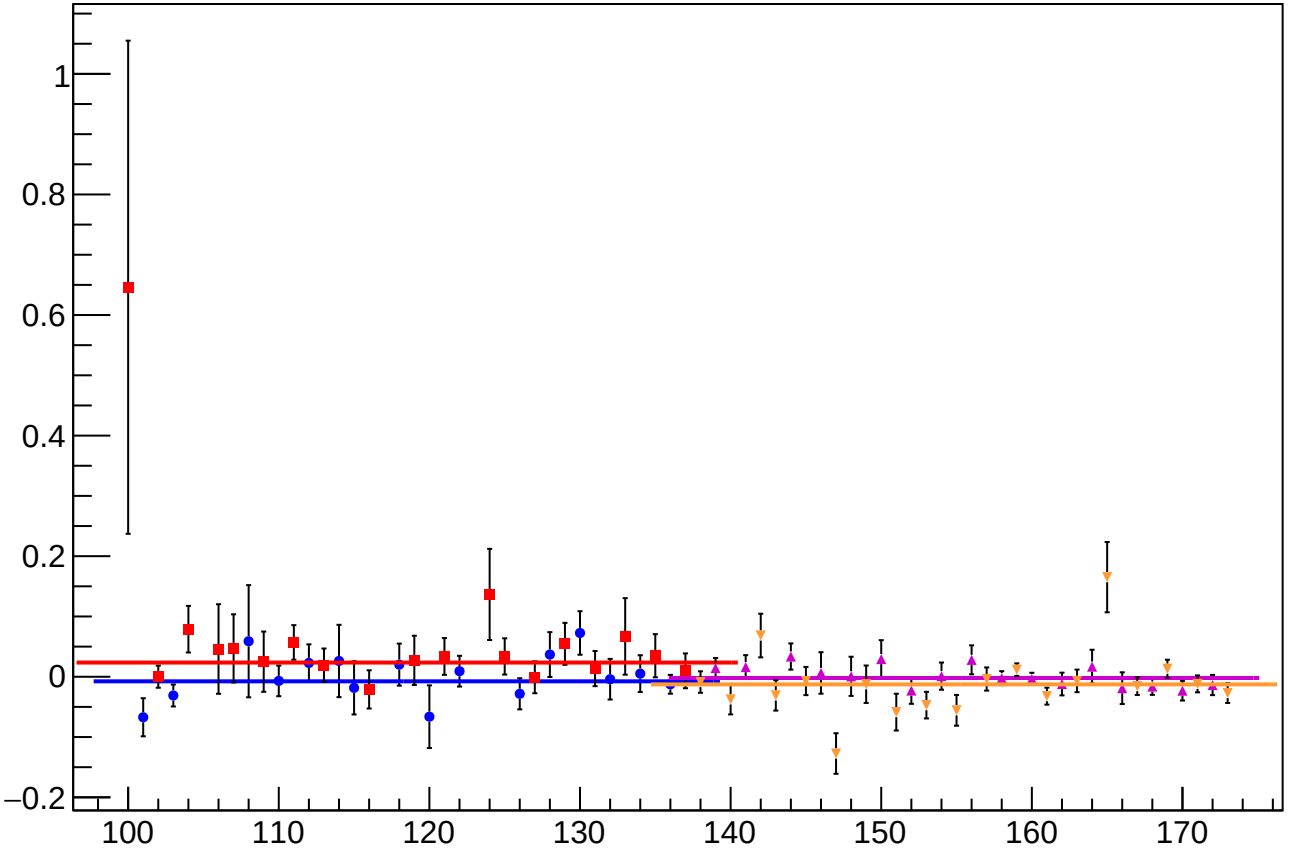
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.662+/-0.003 χ^2/NDF:3956612.3/32

Out: 16.289+/-0.003 χ^2/NDF:4633017.6/37

All: 15.972+/-0.002 χ^2/NDF: 8617438.7/70

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: -0.013+/-0.004 χ^2/NDF:46.6/18

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.002+/-0.004 χ^2/NDF:12.4/16

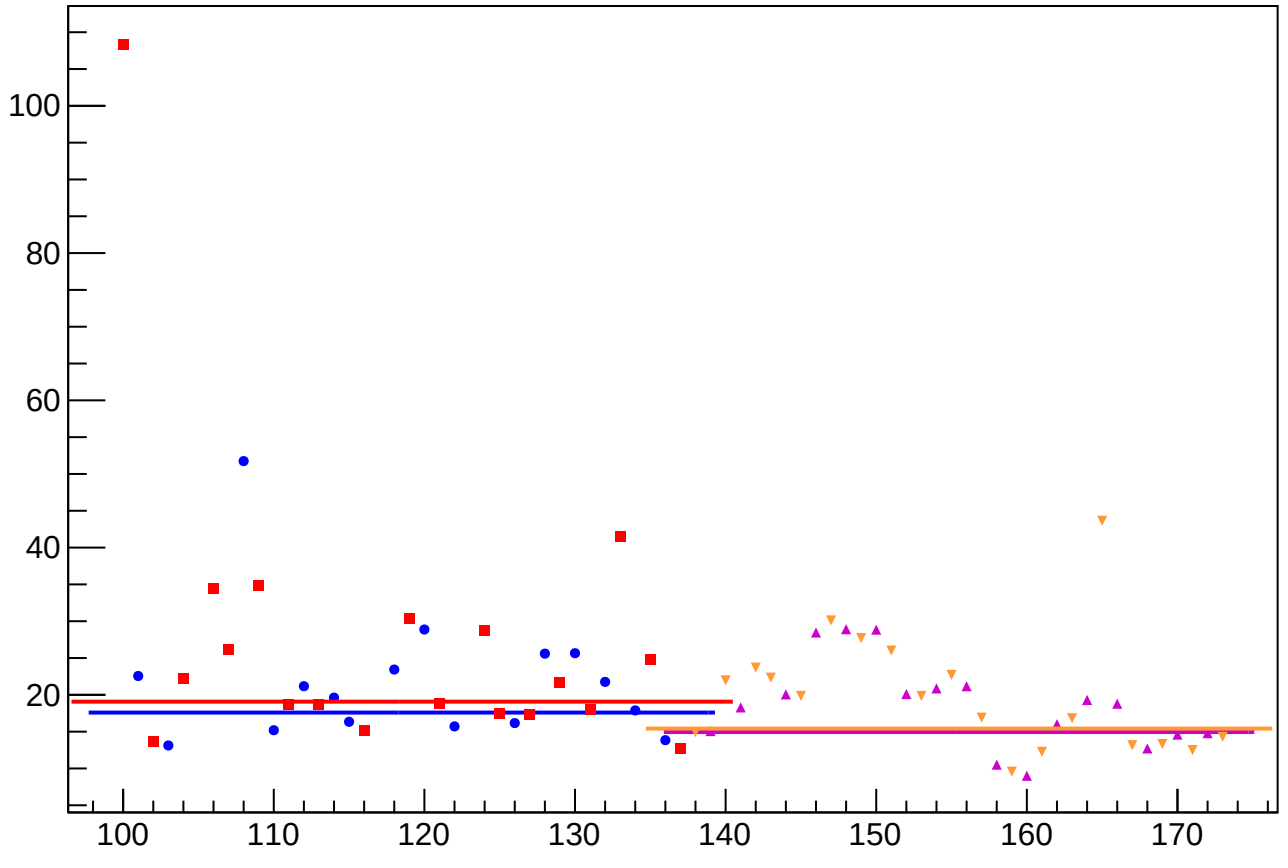
Left: -0.007+/-0.003 χ^2/NDF: 61.9/35

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.004 χ^2/NDF:29.5/32

Out: -0.004+/-0.004 χ^2/NDF:77.9/37

All: -0.004+/-0.003 χ^2/NDF: 107.4/70



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 15.418+/-0.003 χ^2/NDF:3045780.3/18

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 14.949+/-0.003 χ^2/NDF:2766612.7/16

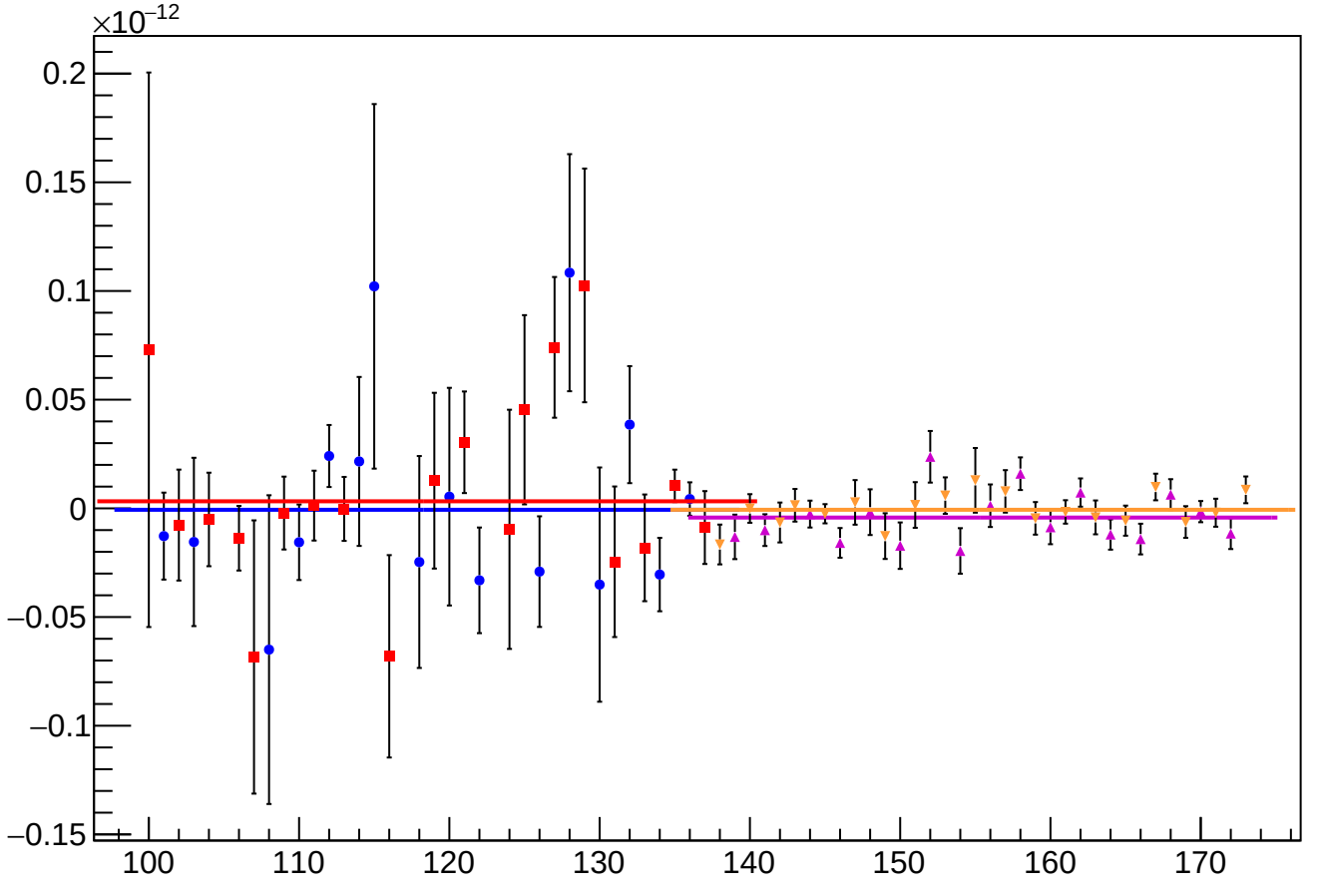
Left: 15.186+/-0.002 χ^2/NDF: 5824005.0/35

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.662+/-0.003 χ^2/NDF:3956612.3/32

Out: 16.289+/-0.003 χ^2/NDF:4633017.6/37

All: 15.972+/-0.002 χ^2/NDF: 8617438.7/70



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:31.4/16

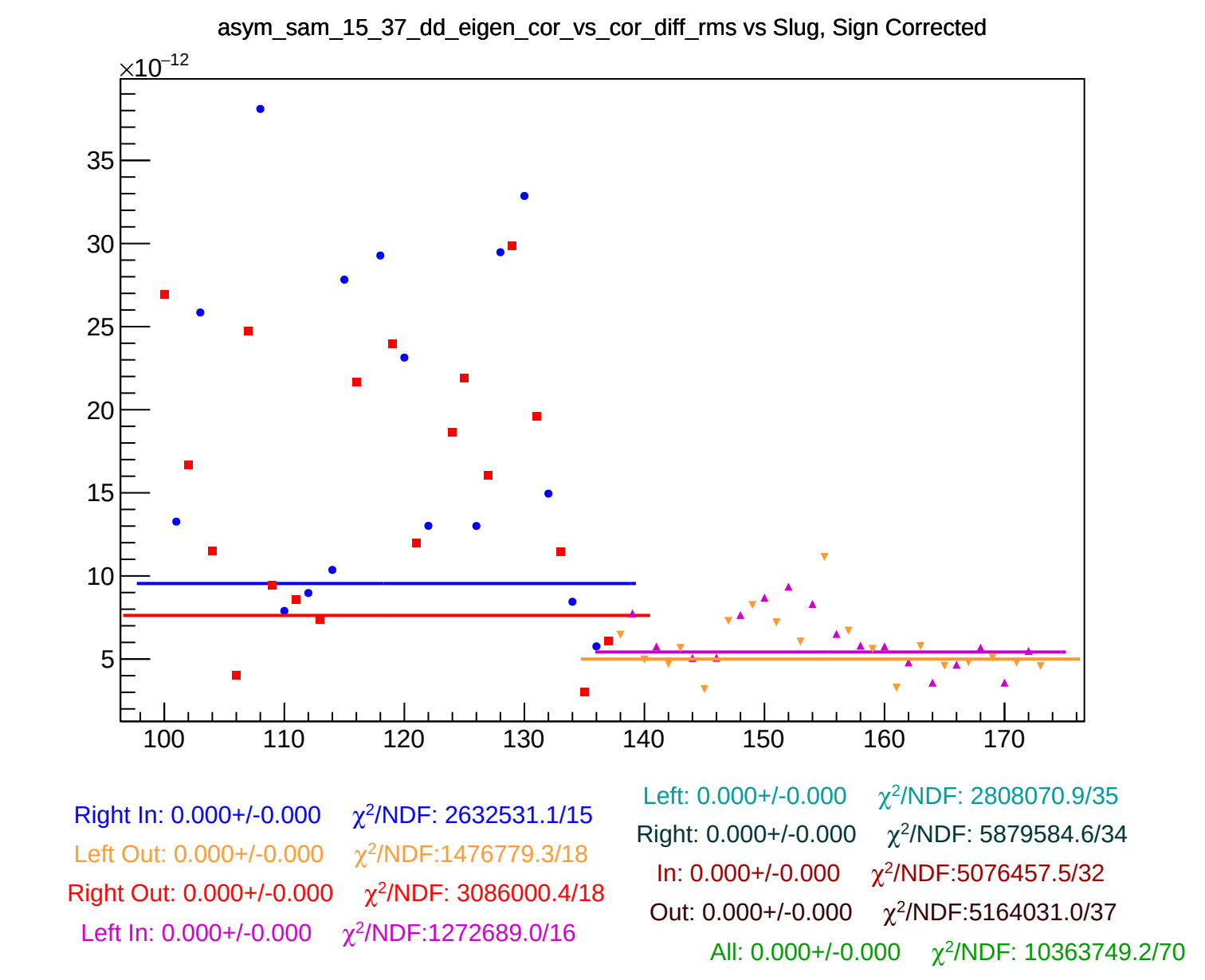
Left: -0.000+/-0.000 χ^2/NDF: 47.7/35

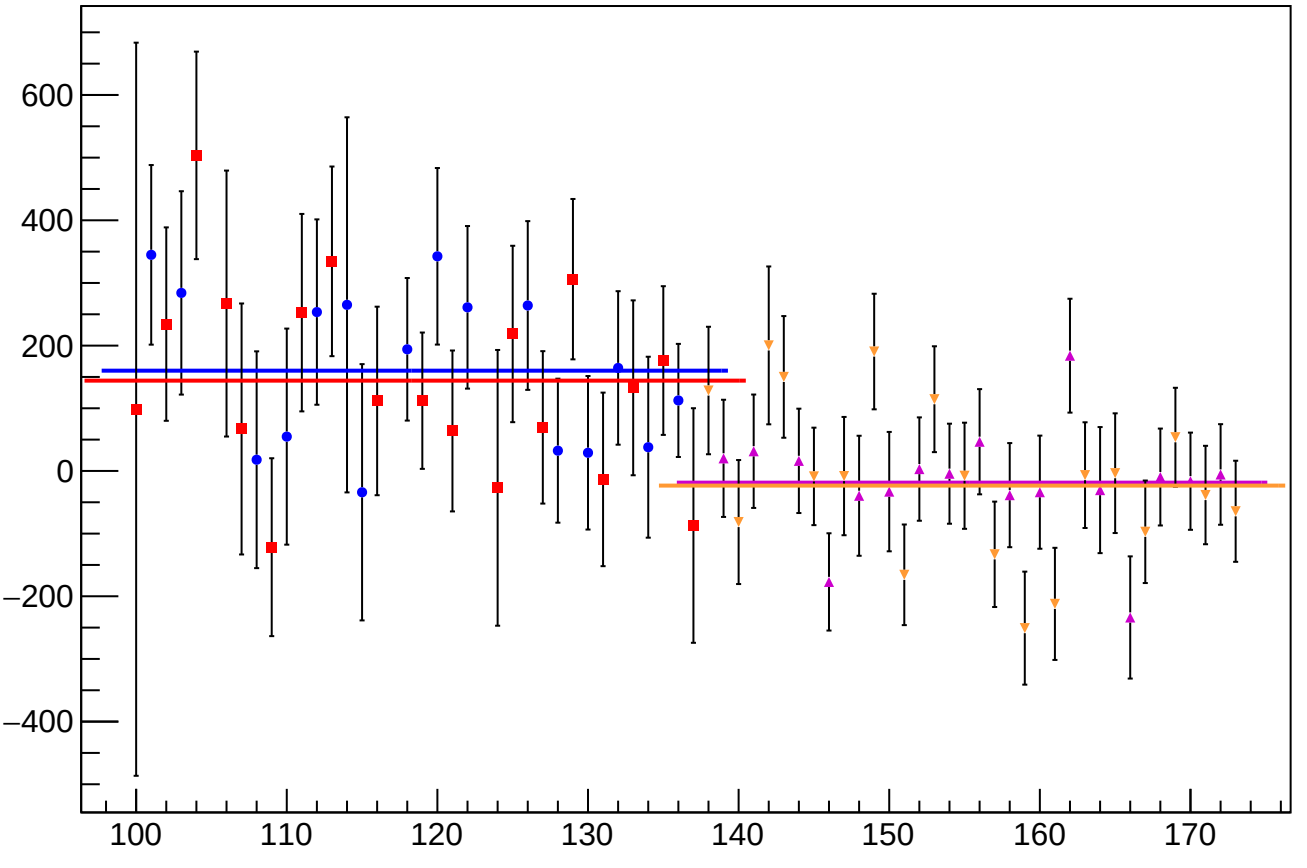
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:52.1/32

Out: -0.000+/-0.000 χ^2/NDF:34.1/37

All: -0.000+/-0.000 χ^2/NDF: 88.6/70


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
170
Right In: 0.000+/-0.000 χ²/NDF: 2632531.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1476779.3/18
Right Out: 0.000+/-0.000 χ²/NDF: 3086000.4/18
Left In: 0.000+/-0.000 χ²/NDF:1272689.0/16
Left: 0.000+/-0.000 χ²/NDF: 2808070.9/35
Right: 0.000+/-0.000 χ²/NDF: 5879584.6/34
In: 0.000+/-0.000 χ²/NDF:5076457.5/32
Out: 0.000+/-0.000 χ²/NDF:5164031.0/37
All: 0.000+/-0.000 χ²/NDF: 10363749.2/70



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -23.369+/-20.150 χ^2/NDF:34.9/18

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: -18.673+/-20.883 χ^2/NDF:15.6/16

Left: -21.105+/-14.500 χ^2/NDF: 50.5/35

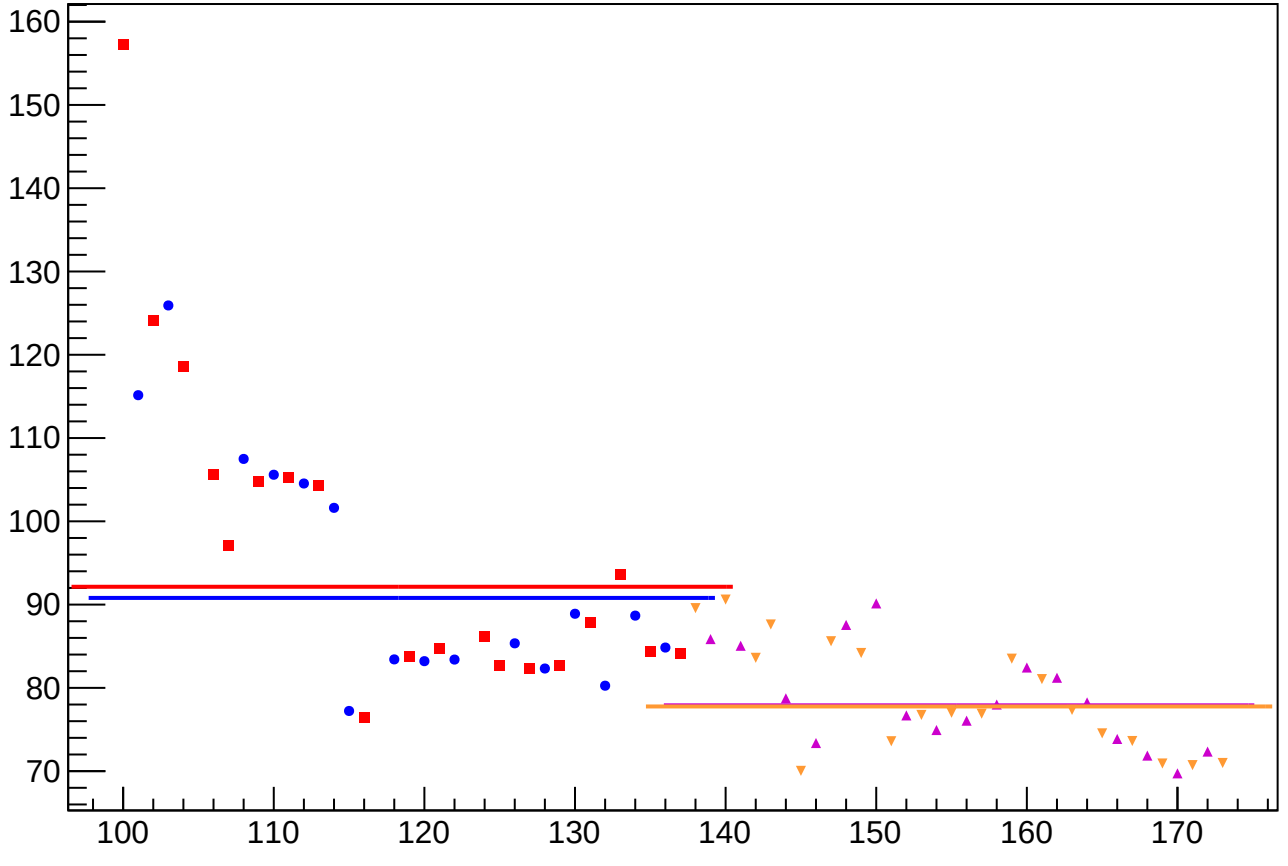
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 29.921+/-17.819 χ^2/NDF:46.6/32

Out: 19.763+/-17.362 χ^2/NDF:70.1/37

All: 24.710+/-12.435 χ^2/NDF: 116.8/70

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: 77.767+/-0.014 χ^2/NDF:198369.5/18

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 77.906+/-0.015 χ^2/NDF:146573.2/16

Left: 77.834+/-0.010 χ^2/NDF: 344988.8/35

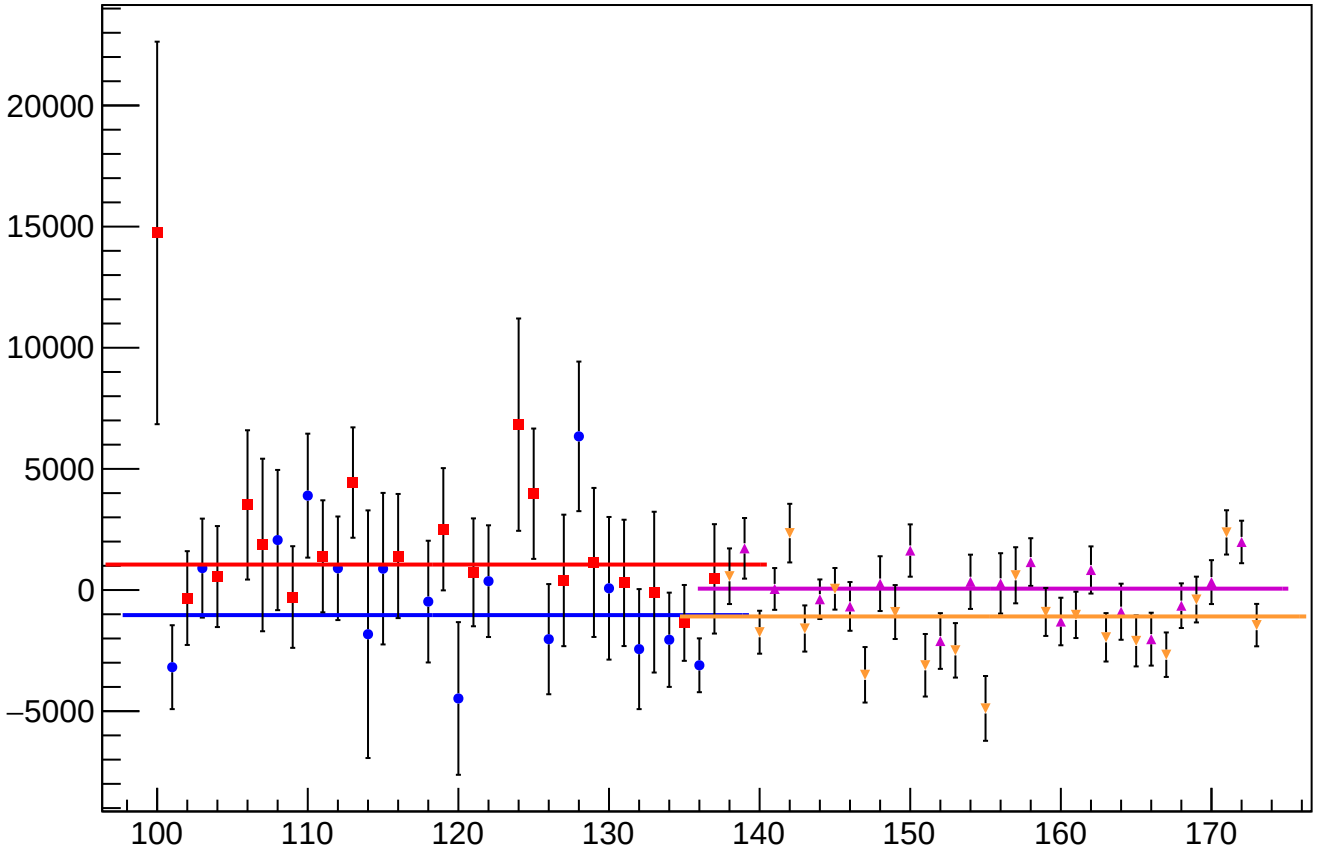
Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 81.413+/-0.013 χ^2/NDF:626716.0/32

Out: 81.469+/-0.012 χ^2/NDF:762505.8/37

All: 81.442+/-0.009 χ^2/NDF: 1389231.8/70

asym_sam_24_68_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1090.508+/-233.993 χ^2/NDF:51.2/18

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 56.679+/-244.592 χ^2/NDF:22.0/16

Left: -542.309+/-169.081 χ^2/NDF: 84.6/35

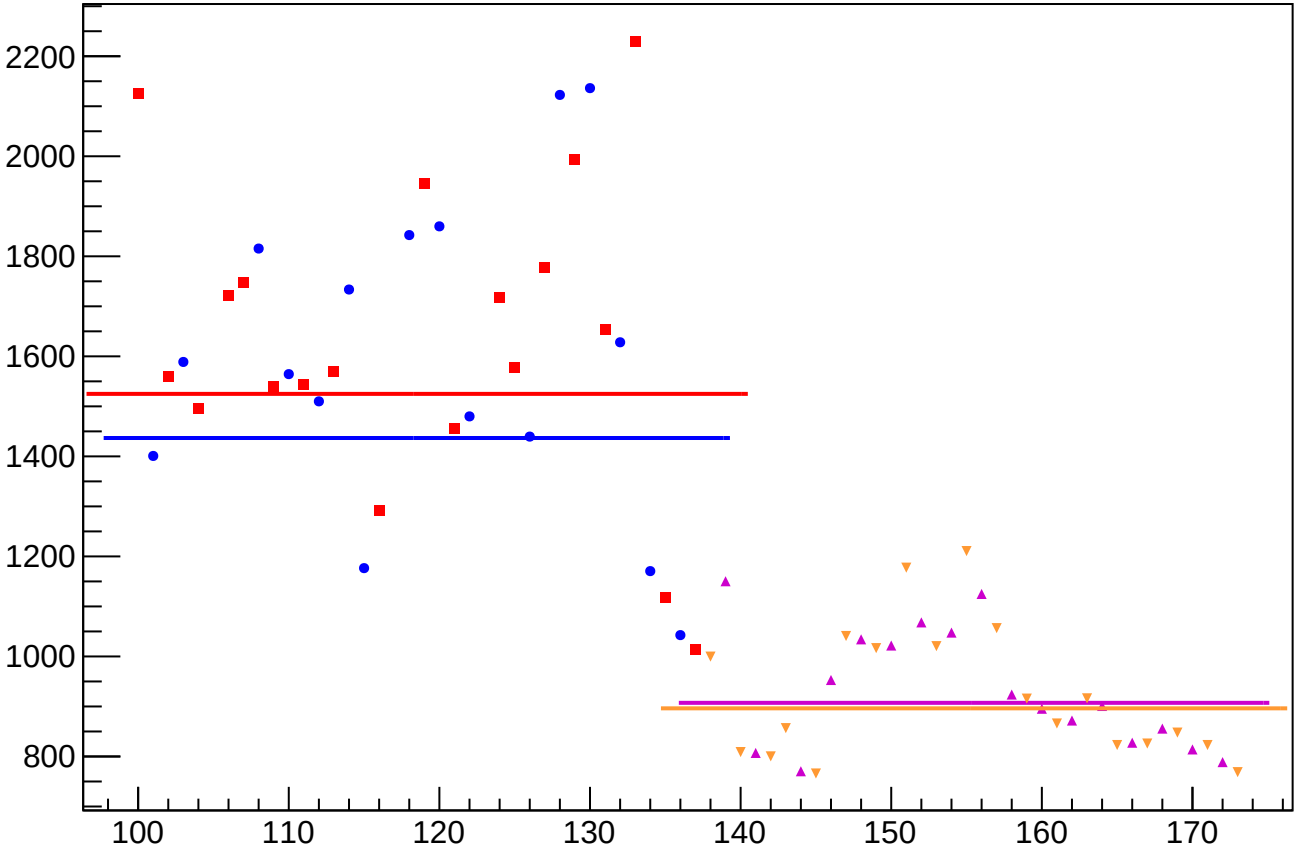
Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -123.465+/-223.502 χ^2/NDF:45.5/32

Out: -780.601+/-216.405 χ^2/NDF:76.2/37

All: -462.633+/-155.470 χ^2/NDF: 126.1/70

asym_sam_24_68_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 896.252+/-0.165 χ^2/NDF:507018.4/18

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 907.269+/-0.173 χ^2/NDF:420261.1/16

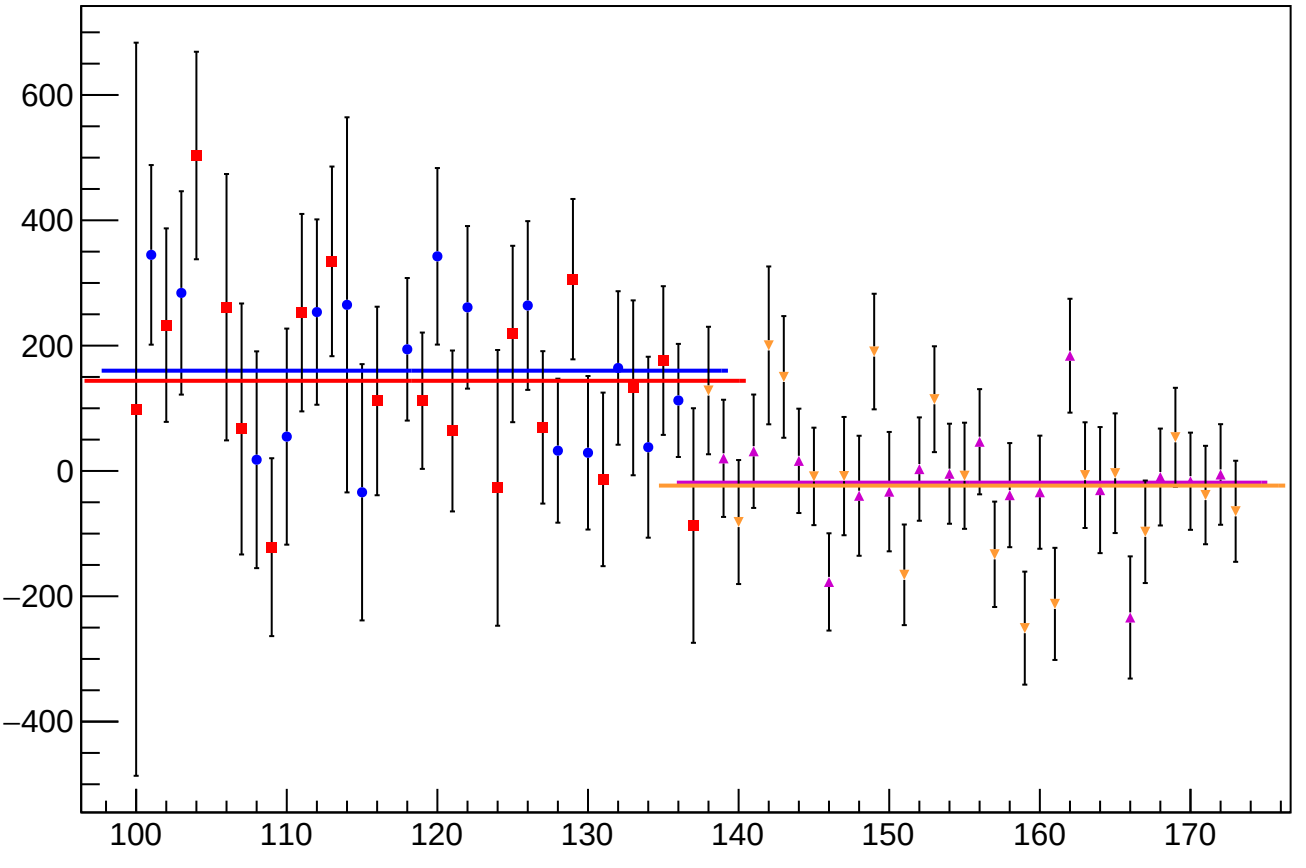
Left: 901.516+/-0.120 χ^2/NDF: 929398.0/35

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 994.636+/-0.158 χ^2/NDF:2642377.3/32

Out: 987.213+/-0.153 χ^2/NDF:3100519.5/37

All: 990.805+/-0.110 χ^2/NDF: 5744035.5/70



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -23.368+/-20.150 χ^2/NDF:34.9/18

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -18.675+/-20.883 χ^2/NDF:15.6/16

Left: -21.105+/-14.500 χ^2/NDF: 50.5/35

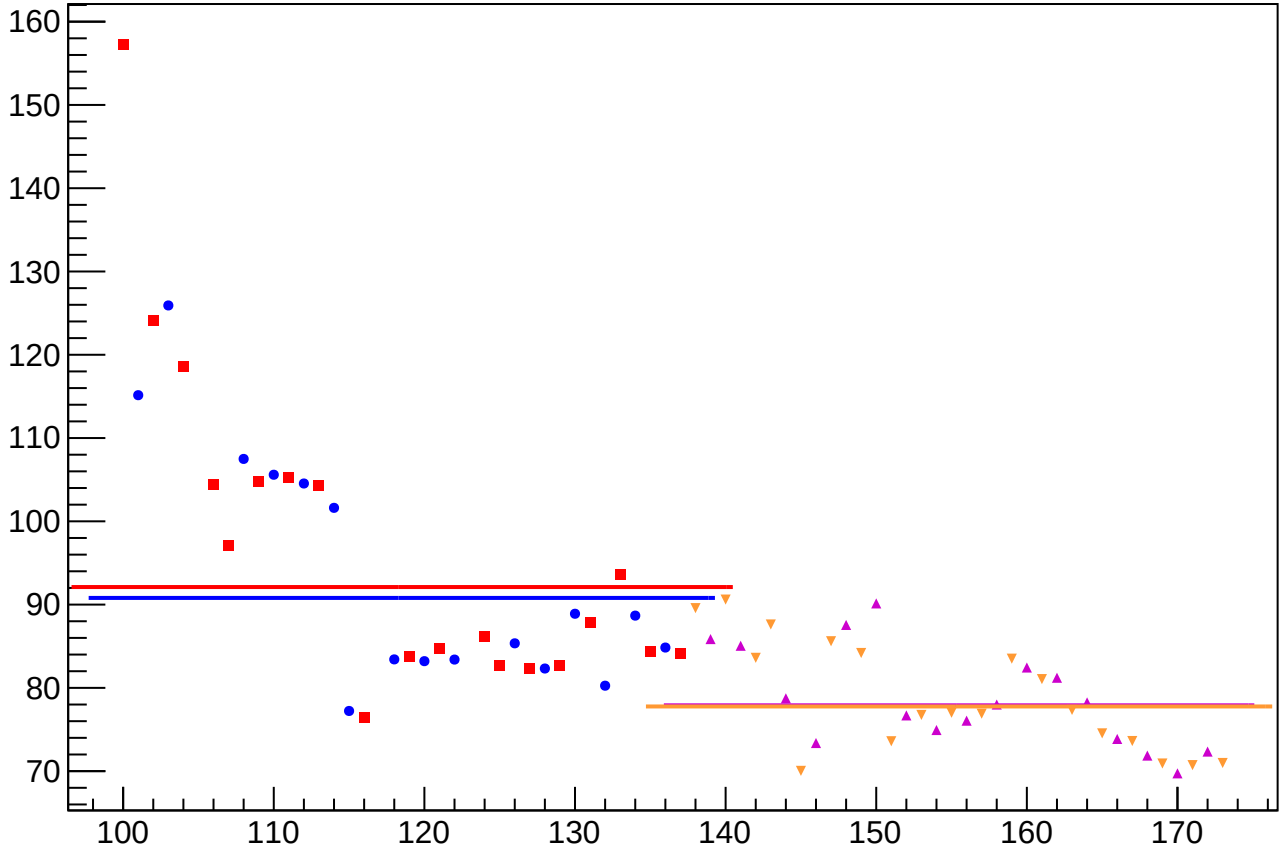
Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 29.919+/-17.819 χ^2/NDF:46.6/32

Out: 19.694+/-17.363 χ^2/NDF:69.9/37

All: 24.674+/-12.435 χ^2/NDF: 116.7/70

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: 77.767+/-0.014 χ^2/NDF:198369.5/18

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.906+/-0.015 χ^2/NDF:146573.2/16

Left: 77.834+/-0.010 χ^2/NDF: 344988.8/35

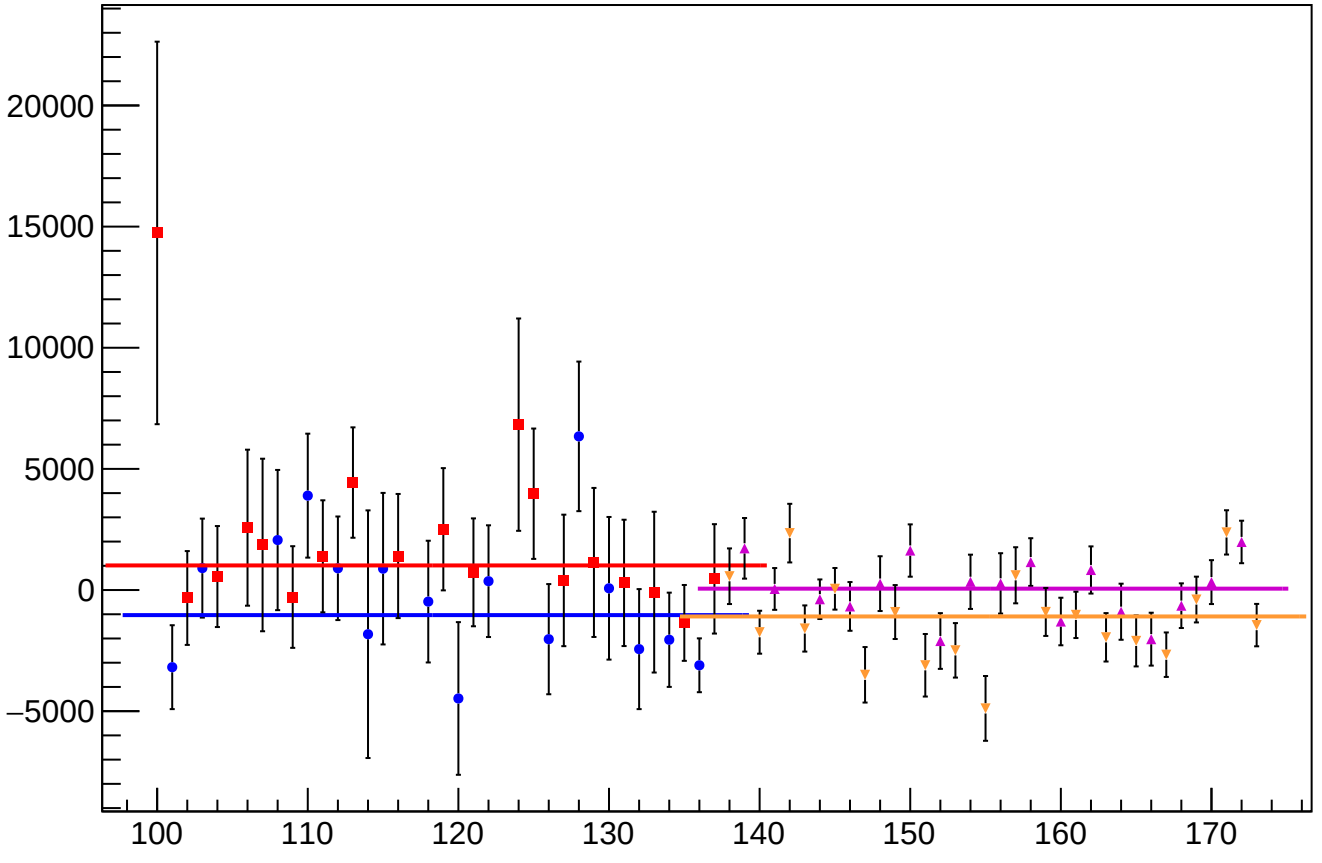
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 81.413+/-0.013 χ^2/NDF:626718.0/32

Out: 81.460+/-0.012 χ^2/NDF:760012.0/37

All: 81.437+/-0.009 χ^2/NDF: 1386737.1/70

asym_sam_24_68_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1090.505+/-233.992 χ^2/NDF:51.2/18

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 56.680+/-244.592 χ^2/NDF:22.0/16

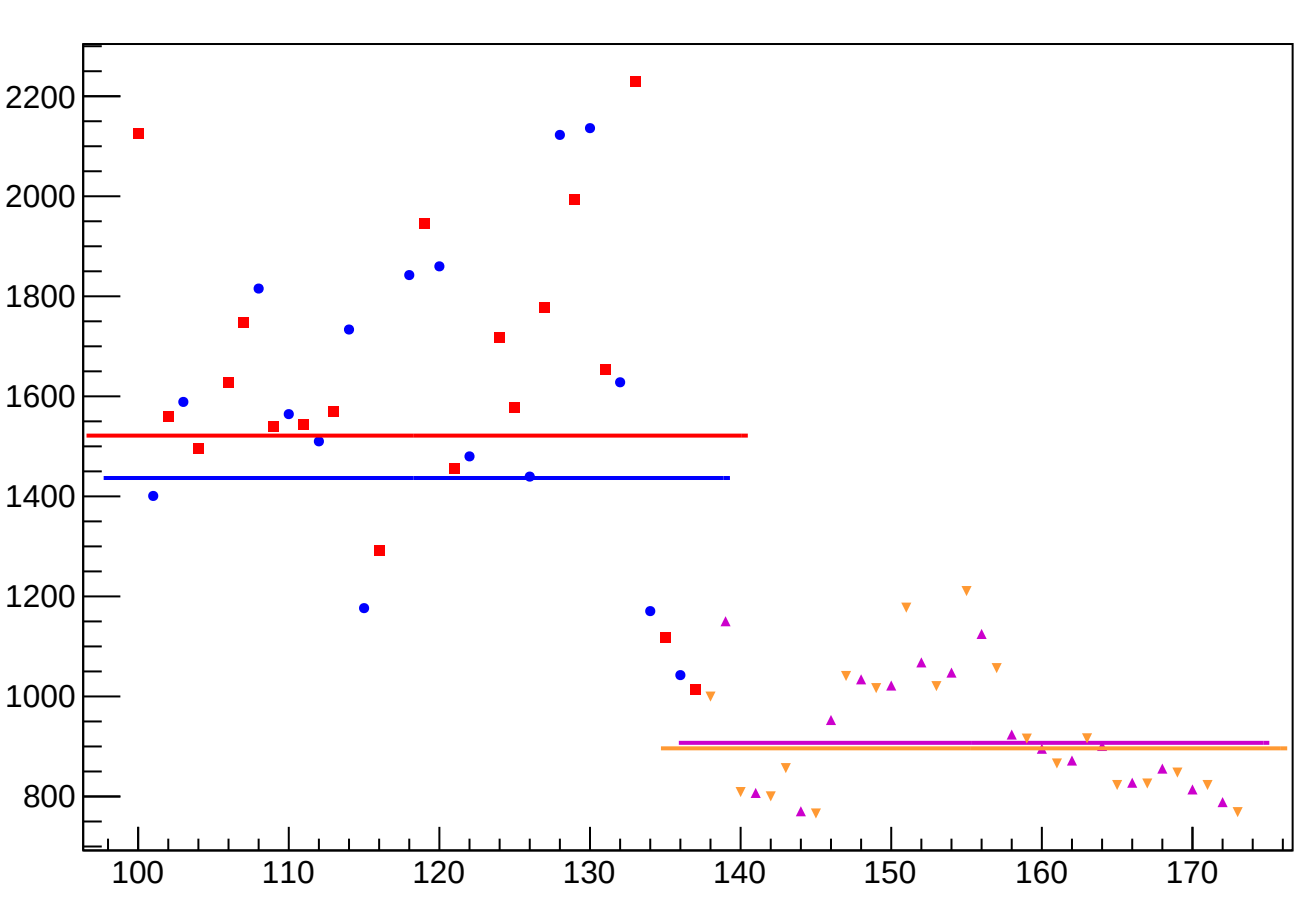
Left: -542.307+/-169.081 χ^2/NDF: 84.6/35

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -123.460+/-223.503 χ^2/NDF:45.5/32

Out: -786.592+/-216.451 χ^2/NDF:75.3/37

All: -465.652+/-155.487 χ^2/NDF: 125.4/70



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 896.252+/-0.165 χ^2/NDF:507019.9/18

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 907.269+/-0.173 χ^2/NDF:420260.1/16

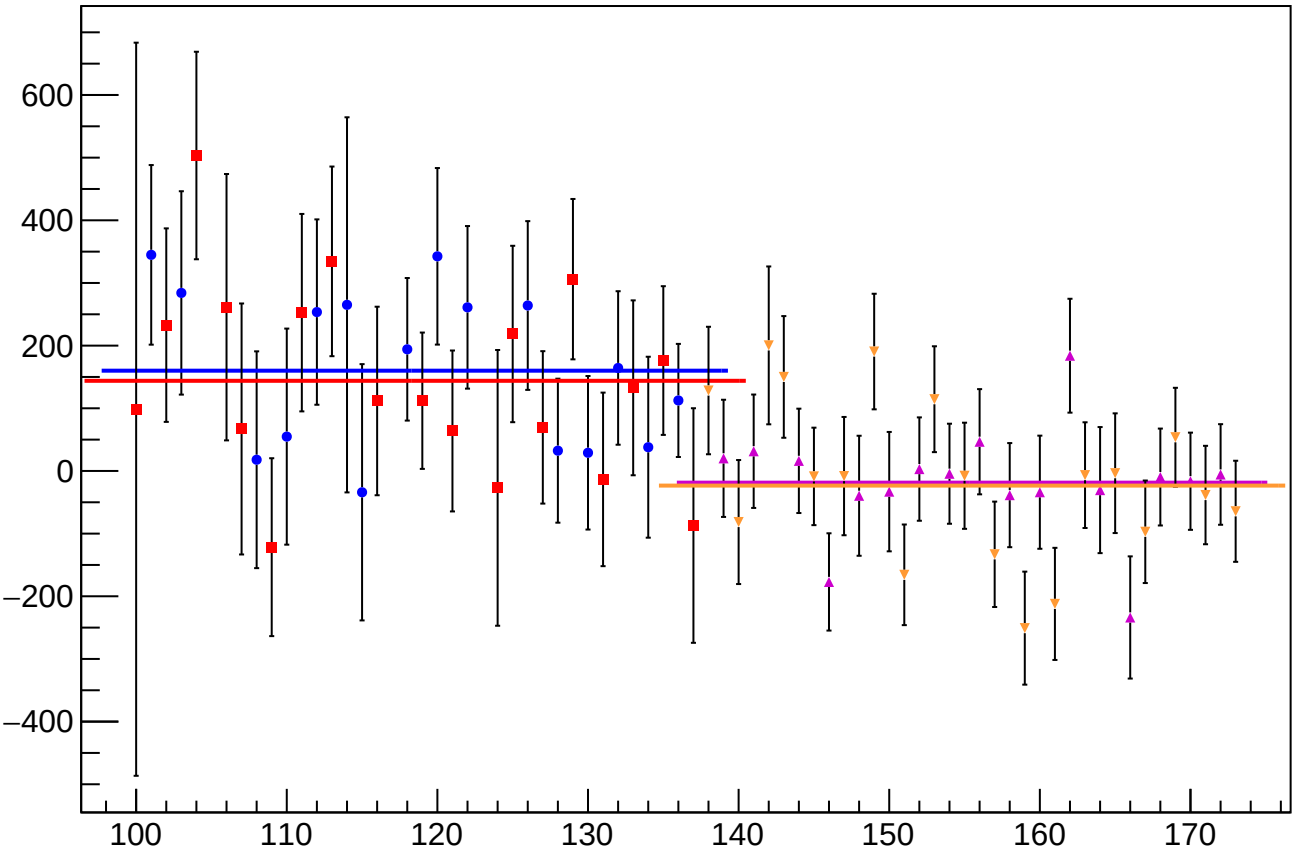
Left: 901.516+/-0.120 χ^2/NDF: 929398.7/35

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 994.637+/-0.158 χ^2/NDF:2642396.1/32

Out: 986.484+/-0.153 χ^2/NDF:3066202.3/37

All: 990.430+/-0.110 χ^2/NDF: 5709971.4/70



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -23.368+/-20.150 χ^2/NDF:34.9/18

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -18.675+/-20.883 χ^2/NDF:15.6/16

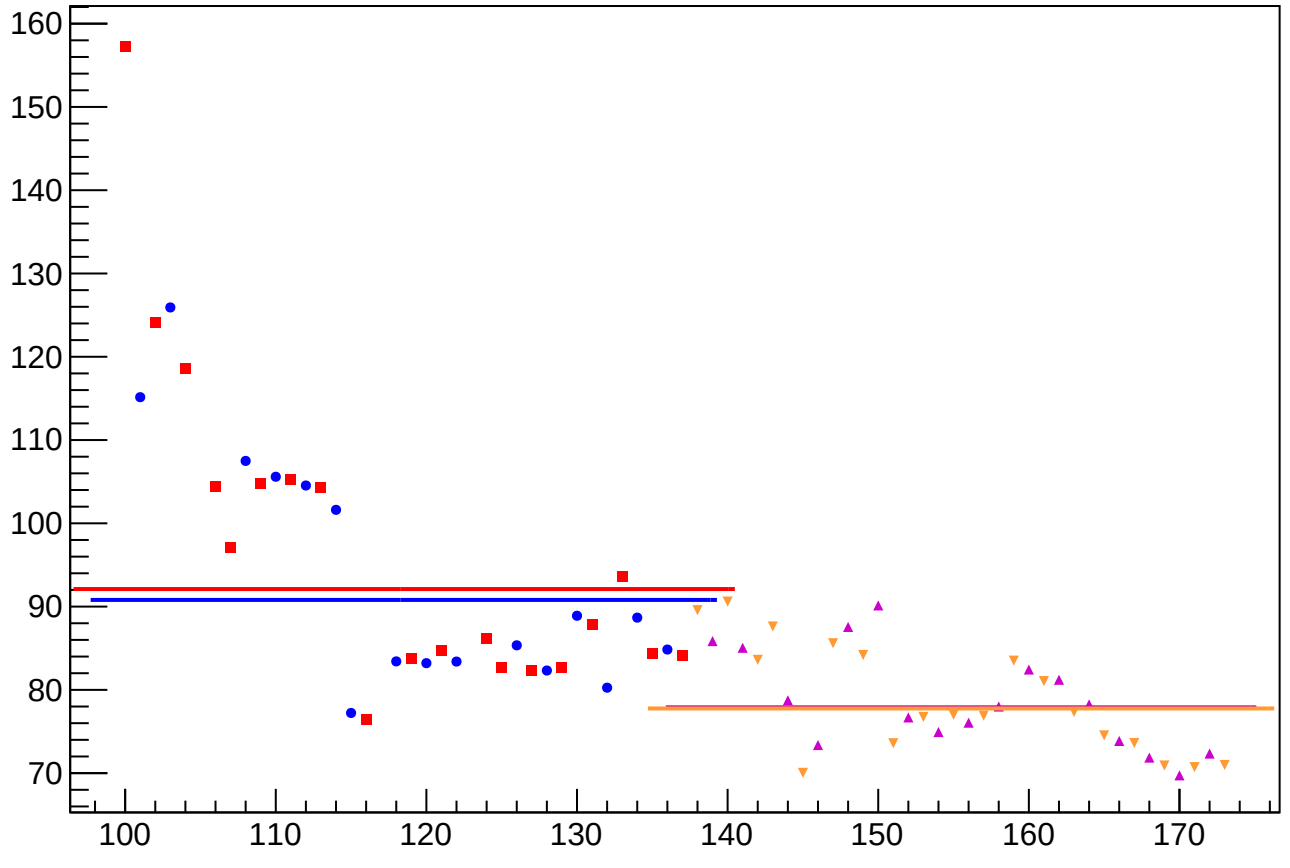
Left: -21.105+/-14.500 χ^2/NDF: 50.5/35

Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 29.919+/-17.819 χ^2/NDF:46.6/32

Out: 19.694+/-17.363 χ^2/NDF:69.9/37

All: 24.674+/-12.435 χ^2/NDF: 116.7/70



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 77.767+/-0.014 χ^2/NDF:198369.5/18

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.906+/-0.015 χ^2/NDF:146573.2/16

Left: 77.834+/-0.010 χ^2/NDF: 344988.8/35

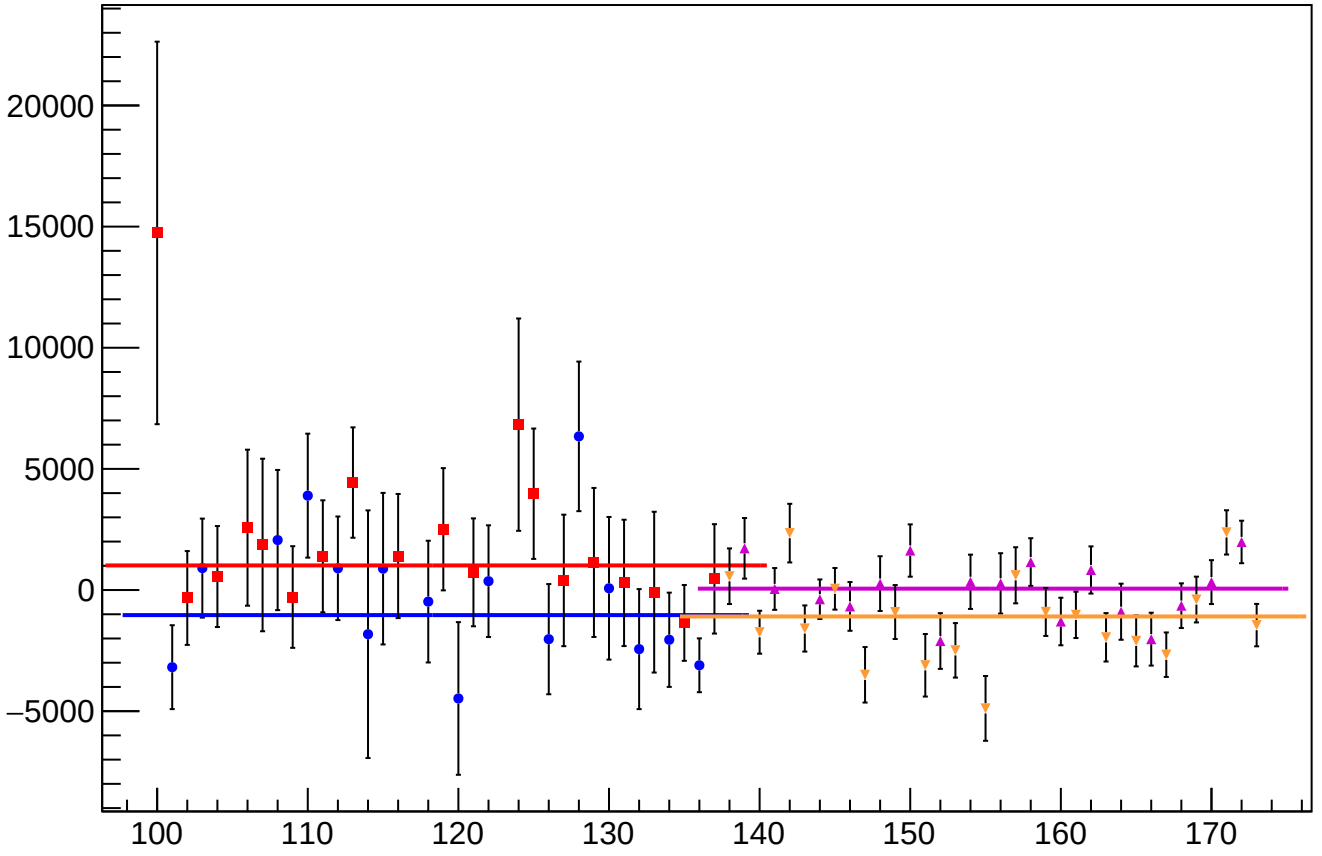
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 81.413+/-0.013 χ^2/NDF:626718.0/32

Out: 81.460+/-0.012 χ^2/NDF:760012.0/37

All: 81.437+/-0.009 χ^2/NDF: 1386737.1/70

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1090.505+/-233.992 χ^2/NDF:51.2/18

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 56.680+/-244.592 χ^2/NDF:22.0/16

Left: -542.307+/-169.081 χ^2/NDF: 84.6/35

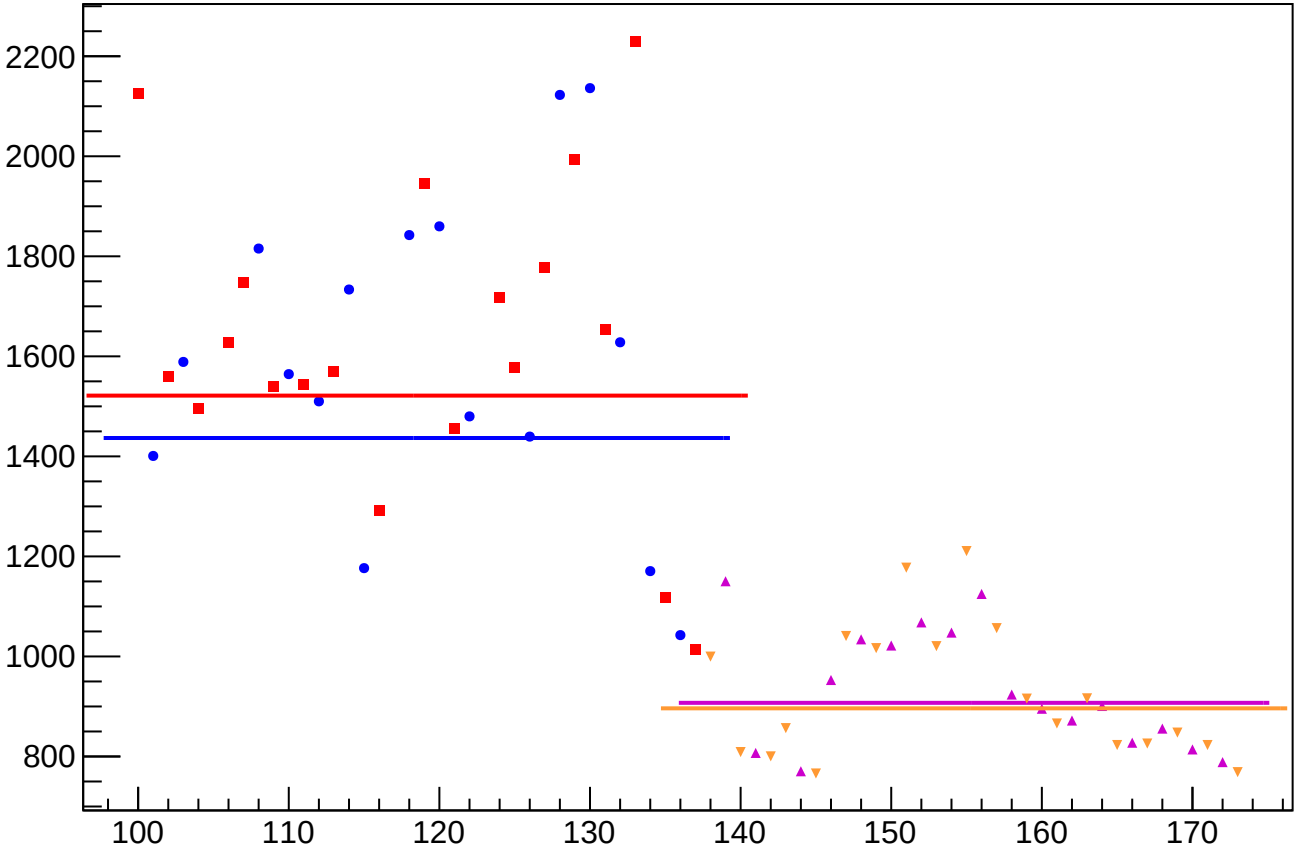
Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -123.460+/-223.503 χ^2/NDF:45.5/32

Out: -786.592+/-216.451 χ^2/NDF:75.3/37

All: -465.652+/-155.487 χ^2/NDF: 125.4/70

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: 896.252+/-0.165 χ^2/NDF:507019.9/18

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 907.269+/-0.173 χ^2/NDF:420260.1/16

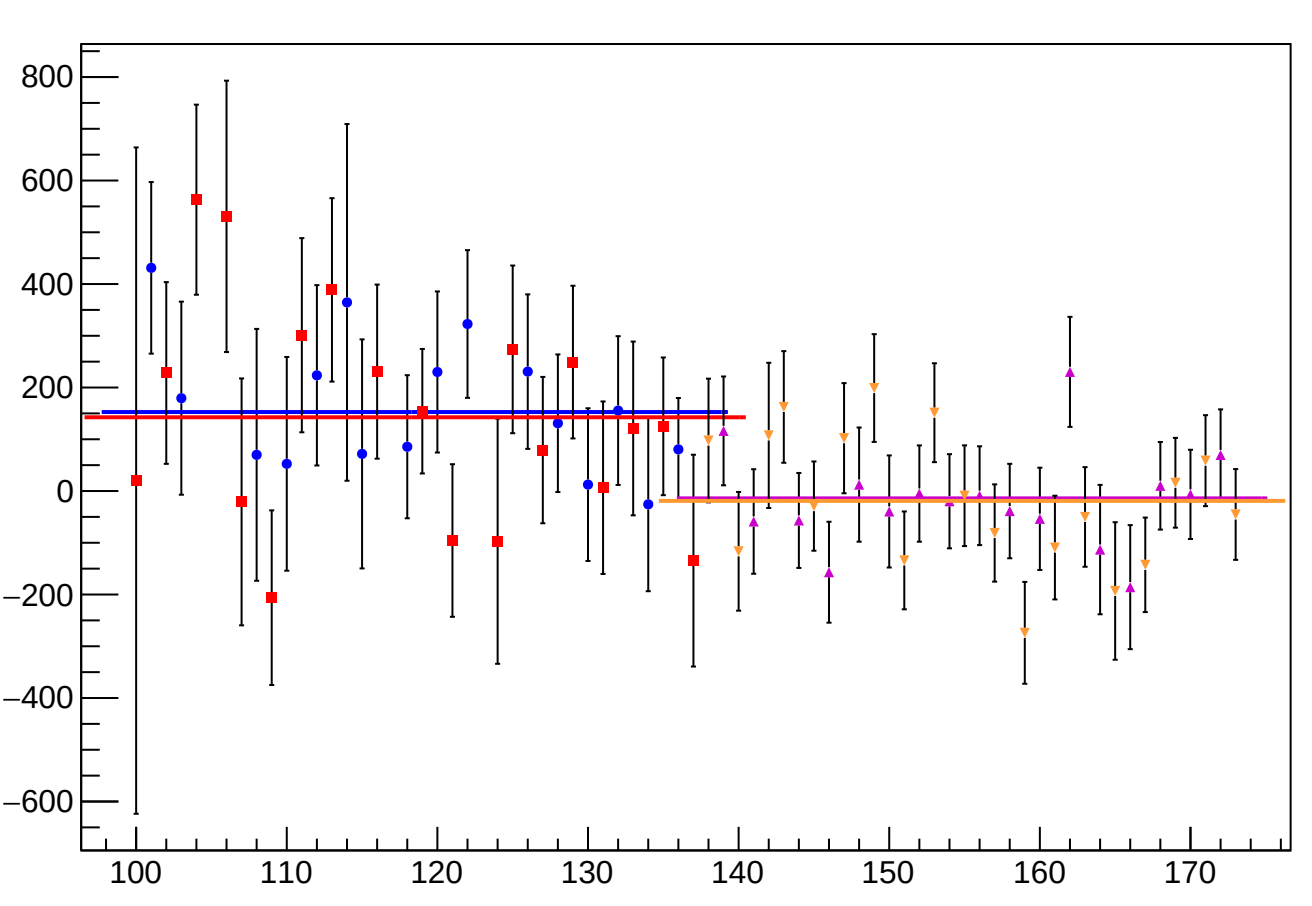
Left: 901.516+/-0.120 χ^2/NDF: 929398.7/35

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 994.637+/-0.158 χ^2/NDF:2642396.1/32

Out: 986.484+/-0.153 χ^2/NDF:3066202.3/37

All: 990.430+/-0.110 χ^2/NDF: 5709971.4/70



Right In: 152.626+/-39.446 χ^2/NDF: 8.6/15

Left Out: -19.039+/-22.838 χ^2/NDF:28.3/18

Right Out: 142.496+/-39.340 χ^2/NDF: 22.9/18

Left In: -14.231+/-23.747 χ^2/NDF:13.4/16

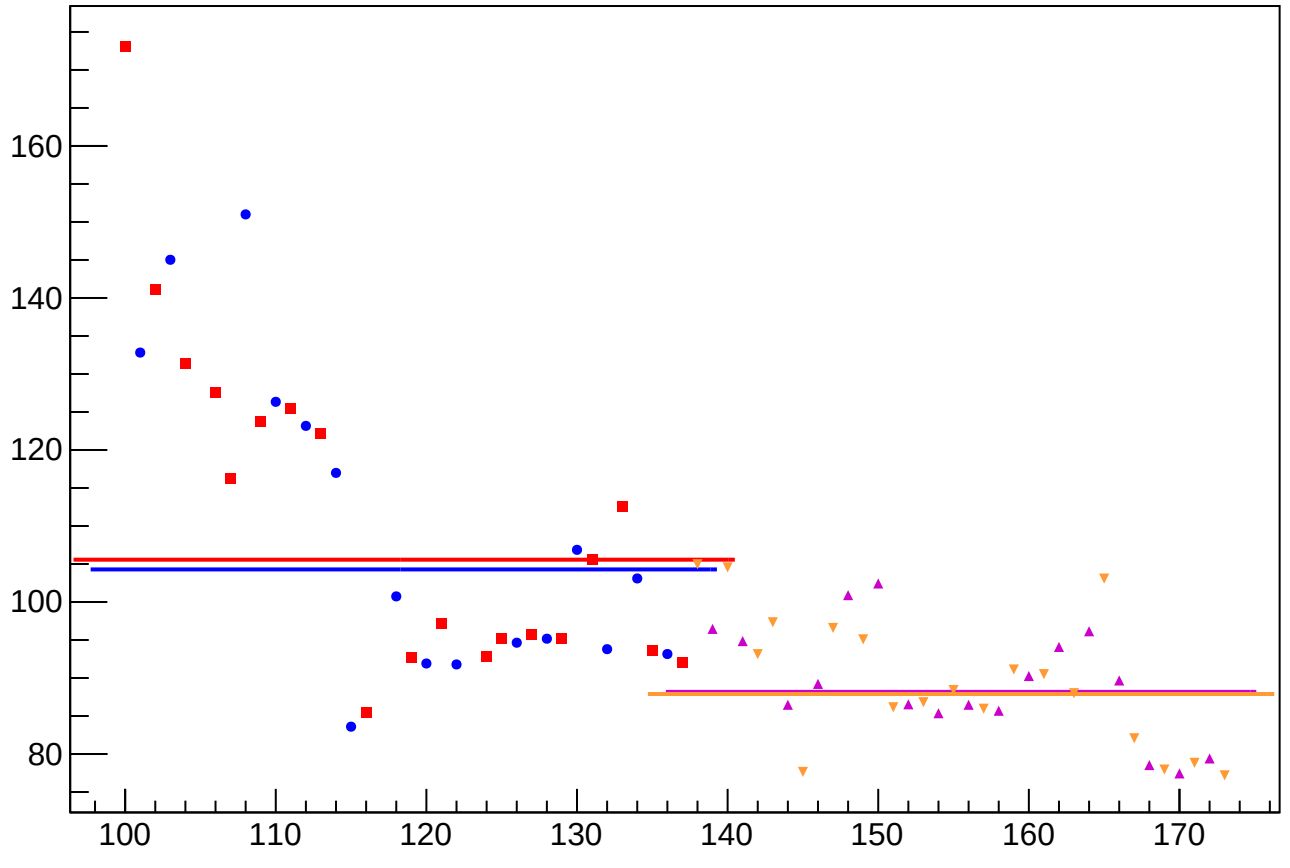
Left: -16.728+/-16.461 χ^2/NDF: 41.8/35

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 30.154+/-20.345 χ^2/NDF:35.2/32

Out: 21.678+/-19.751 χ^2/NDF:63.9/37

All: 25.791+/-14.171 χ^2/NDF: 99.1/70



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 87.893+/-0.016 χ^2/NDF:269055.7/18

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 88.176+/-0.017 χ^2/NDF:180183.7/16

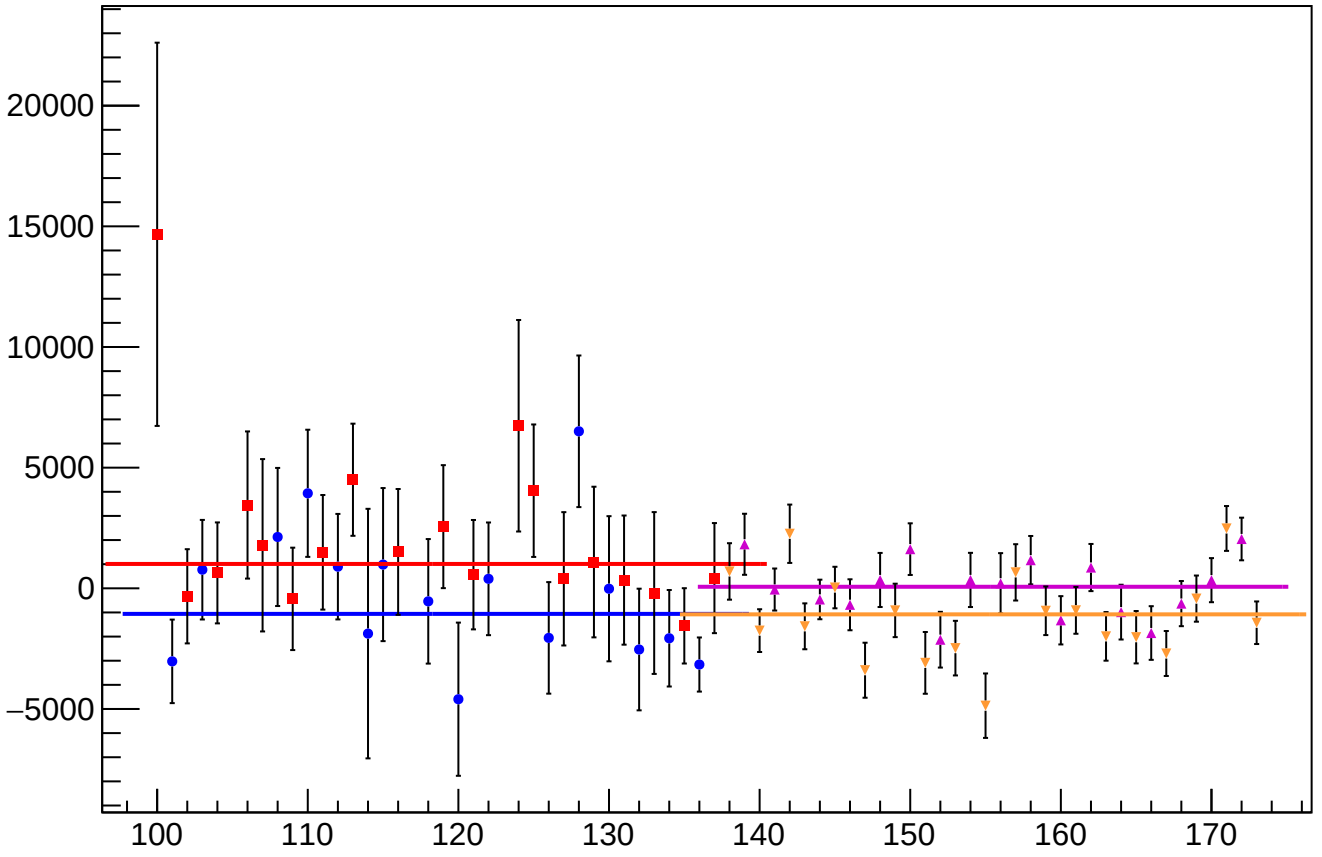
Left: 88.029+/-0.012 χ^2/NDF: 449386.6/35

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 92.461+/-0.014 χ^2/NDF:803362.2/32

Out: 92.348+/-0.014 χ^2/NDF:915619.8/37

All: 92.403+/-0.010 χ^2/NDF: 1719013.7/70



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -1078.662+/-235.770 χ^2/NDF:50.8/18

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 64.246+/-246.710 χ^2/NDF:22.0/16

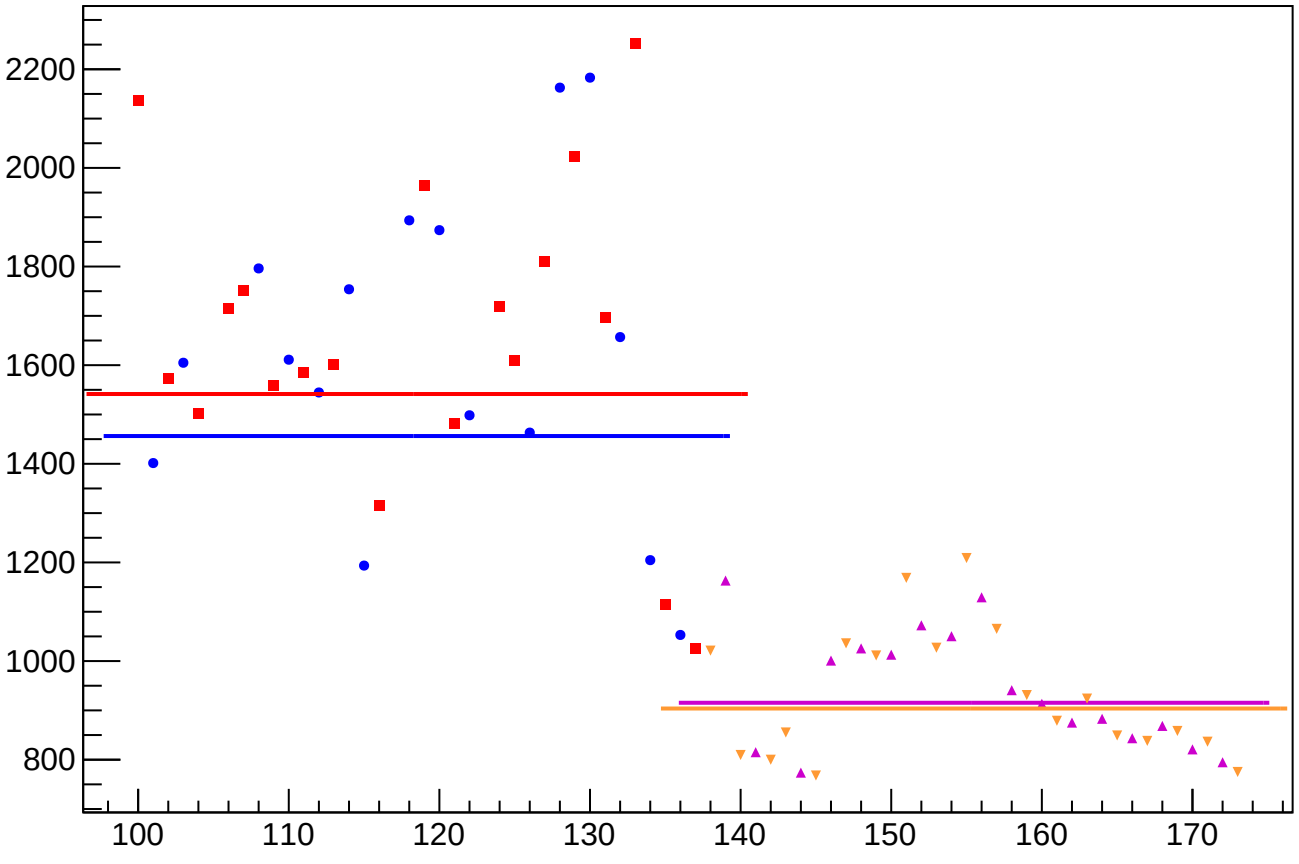
Left: -533.111+/-170.451 χ^2/NDF: 84.1/35

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -119.679+/-225.616 χ^2/NDF:45.5/32

Out: -778.144+/-218.149 χ^2/NDF:75.4/37

All: -459.988+/-156.828 χ^2/NDF: 125.3/70



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 903.791+/-0.167 χ^2/NDF:486660.3/18

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 915.444+/-0.174 χ^2/NDF:414930.1/16

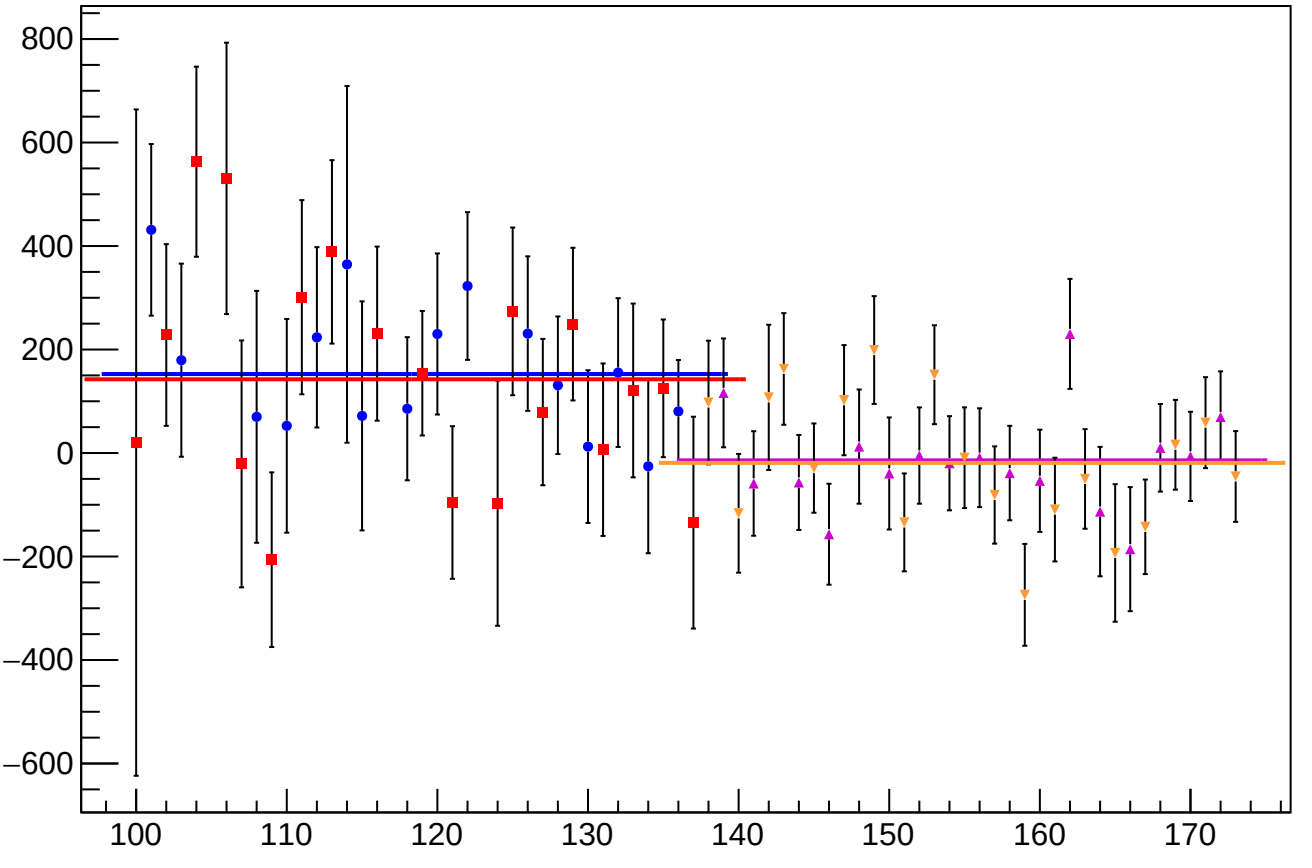
Left: 909.353+/-0.121 χ^2/NDF: 903922.4/35

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1003.978+/-0.160 χ^2/NDF:2673175.2/32

Out: 995.552+/-0.154 χ^2/NDF:3111471.7/37

All: 999.623+/-0.111 χ^2/NDF: 5786088.5/70



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: -19.039+/-22.838 χ^2/NDF:28.3/18

Right Out: 142.494+/-39.340 χ^2/NDF: 22.9/18

Left In: -14.231+/-23.747 χ^2/NDF:13.4/16

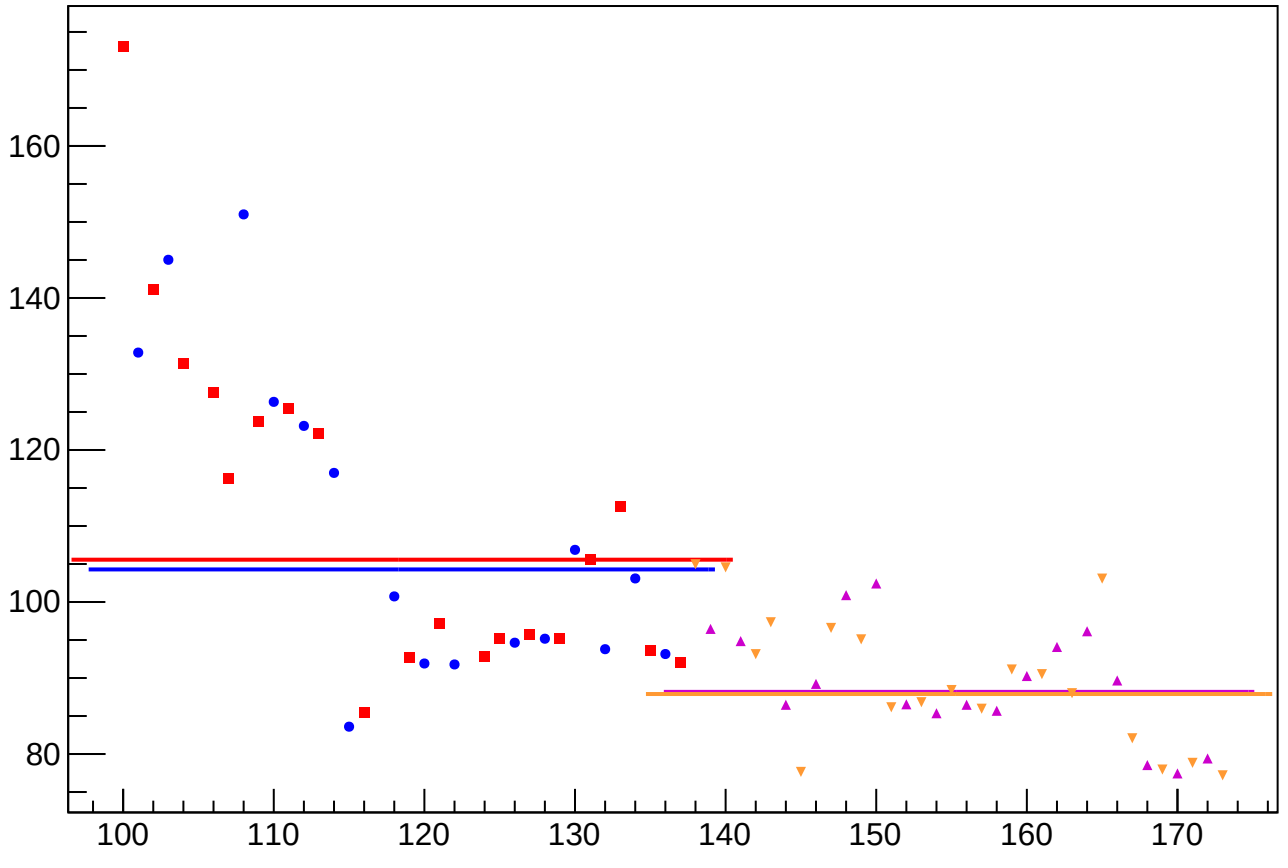
Left: -16.729+/-16.461 χ^2/NDF: 41.8/35

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 30.155+/-20.345 χ^2/NDF:35.2/32

Out: 21.678+/-19.751 χ^2/NDF:63.9/37

All: 25.791+/-14.171 χ^2/NDF: 99.1/70



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 87.893+/-0.016 χ^2/NDF:269053.7/18

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 88.176+/-0.017 χ^2/NDF:180184.5/16

Left: 88.029+/-0.012 χ^2/NDF: 449385.2/35

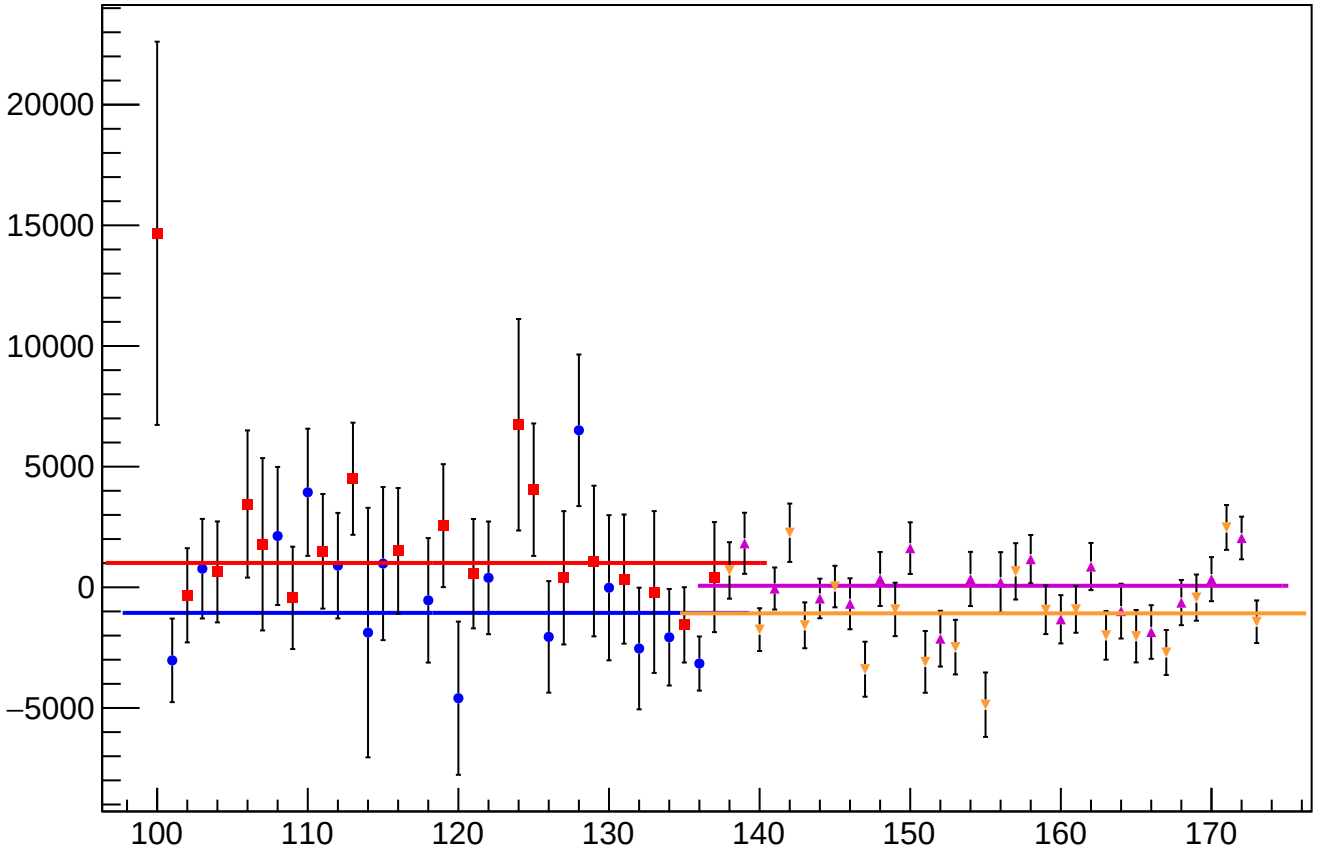
Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 92.461+/-0.014 χ^2/NDF:803338.5/32

Out: 92.348+/-0.014 χ^2/NDF:915592.1/37

All: 92.403+/-0.010 χ^2/NDF: 1718962.1/70

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: -1078.662+/-235.770 χ^2/NDF:50.8/18

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 64.244+/-246.710 χ^2/NDF:22.0/16

Left: -533.111+/-170.451 χ^2/NDF: 84.1/35

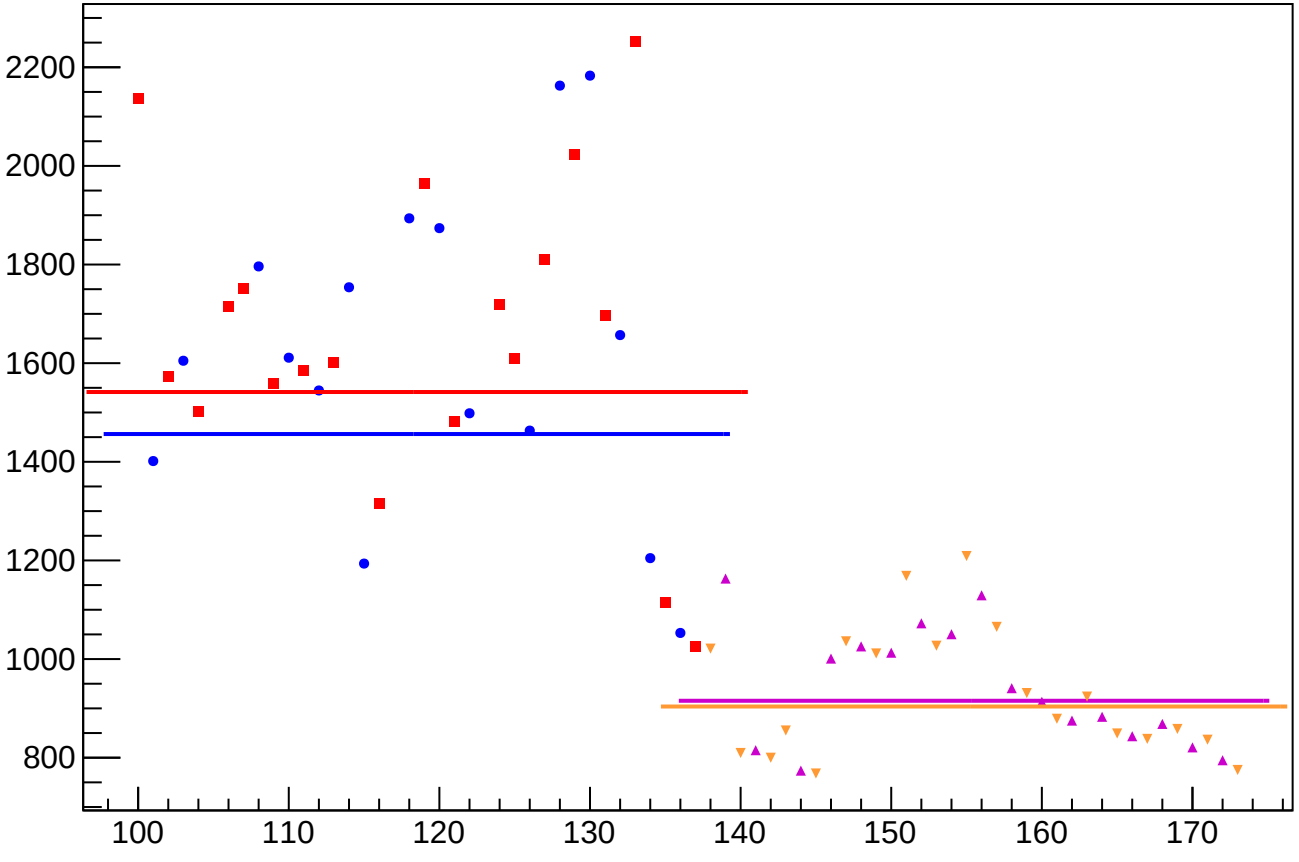
Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -119.679+/-225.616 χ^2/NDF:45.5/32

Out: -778.144+/-218.149 χ^2/NDF:75.4/37

All: -459.988+/-156.828 χ^2/NDF: 125.3/70

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: 903.790+/-0.167 χ^2/NDF:486661.2/18

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 915.443+/-0.174 χ^2/NDF:414930.9/16

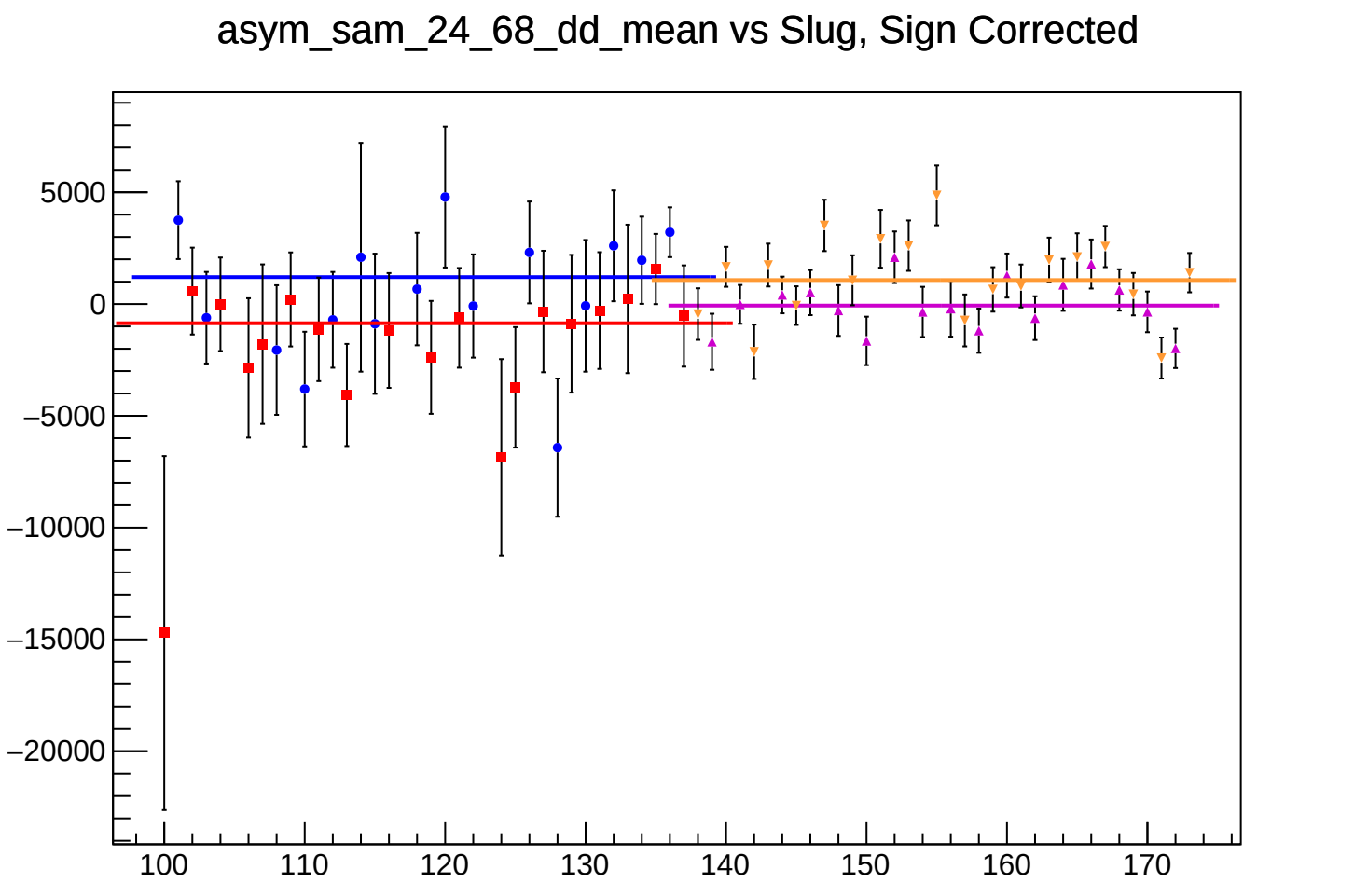
Left: 909.353+/-0.121 χ^2/NDF: 903924.0/35

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1003.977+/-0.160 χ^2/NDF:2673168.5/32

Out: 995.551+/-0.154 χ^2/NDF:3111464.7/37

All: 999.622+/-0.111 χ^2/NDF: 5786074.8/70



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1073.027+/-234.947 χ^2/NDF:49.9/18

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: -69.082+/-245.556 χ^2/NDF:20.5/16

Left: 527.176+/-169.759 χ^2/NDF: 81.7/35

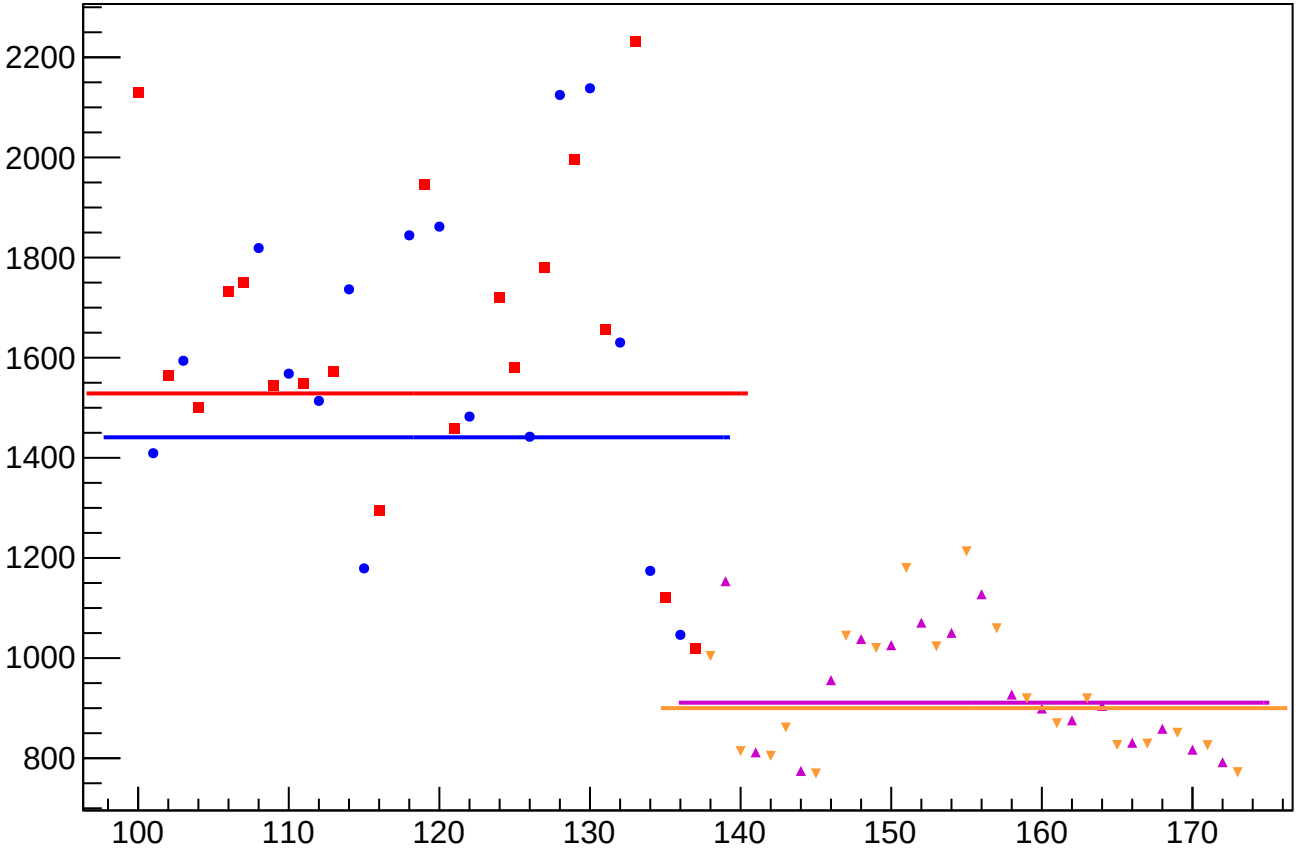
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 141.516+/-224.340 χ^2/NDF:46.1/32

Out: 792.735+/-217.240 χ^2/NDF:72.2/37

All: 477.594+/-156.061 χ^2/NDF: 122.6/70

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 900.033+/-0.166 χ^2/NDF:501461.9/18

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 910.950+/-0.174 χ^2/NDF:415393.1/16

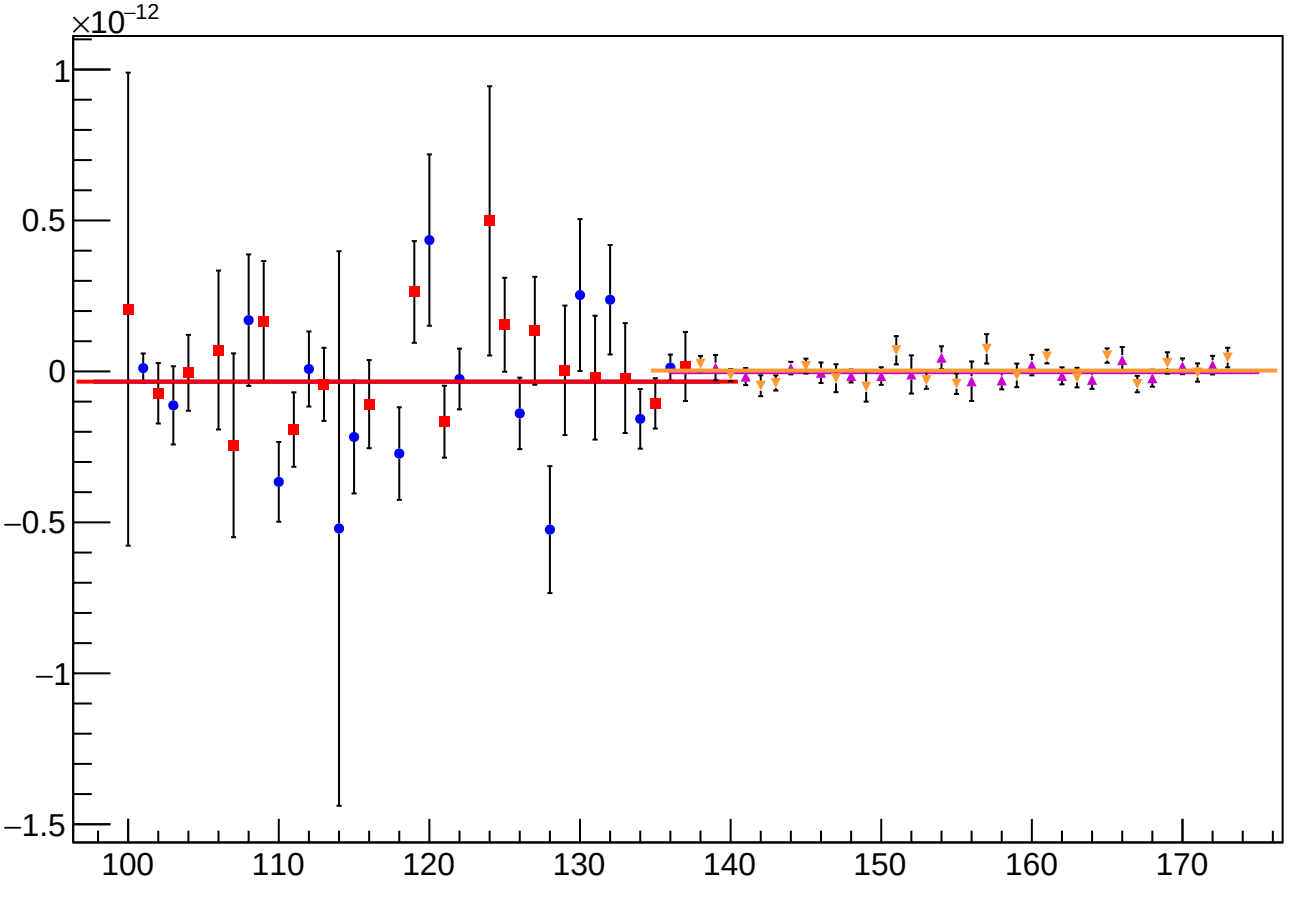
Left: 905.251+/-0.120 χ^2/NDF: 918918.7/35

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 998.589+/-0.159 χ^2/NDF:2626937.0/32

Out: 991.217+/-0.154 χ^2/NDF:3079989.4/37

All: 994.785+/-0.110 χ^2/NDF: 5708040.9/70



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:7.9/16

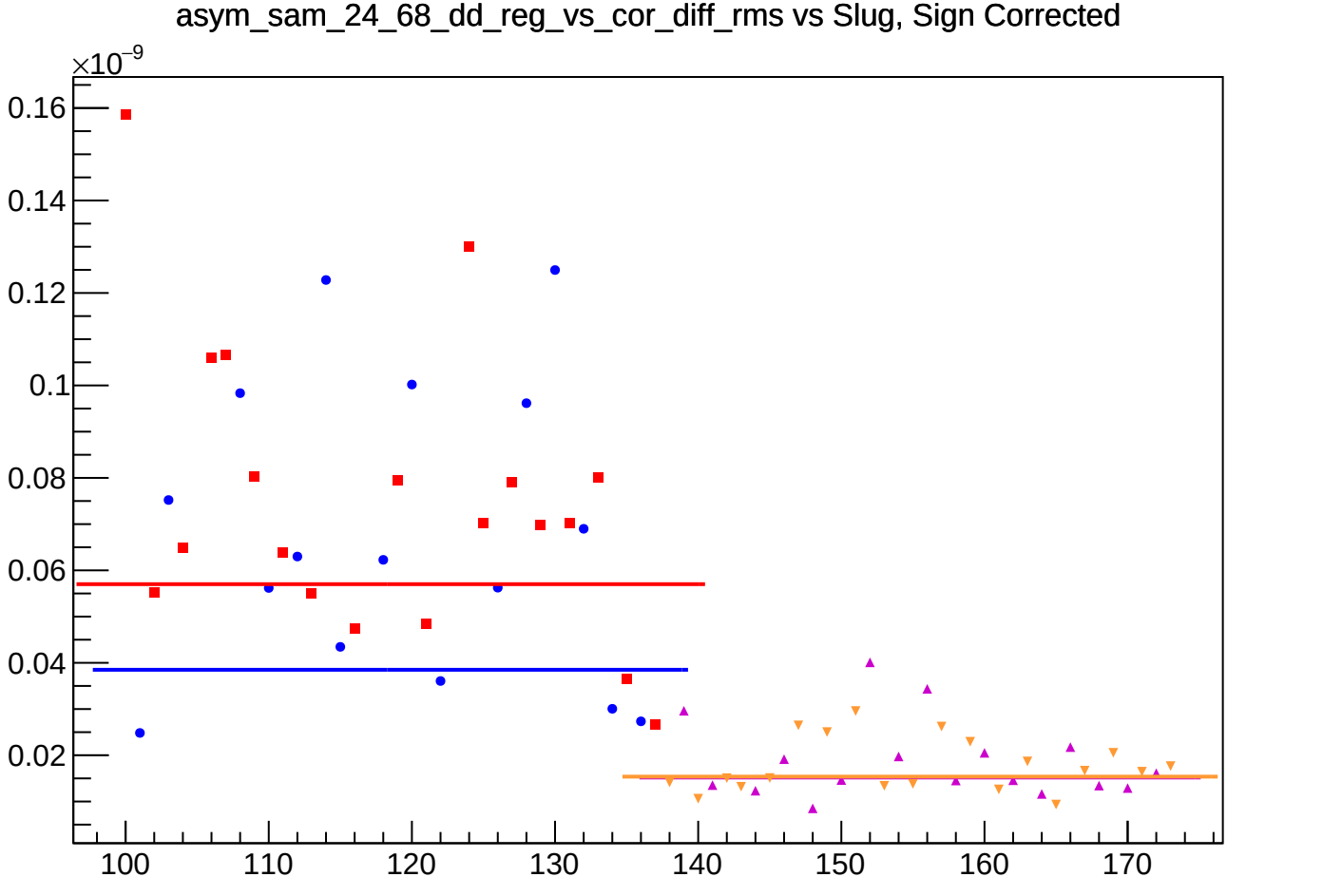
Left: 0.000+/-0.000 χ^2/NDF: 37.5/35

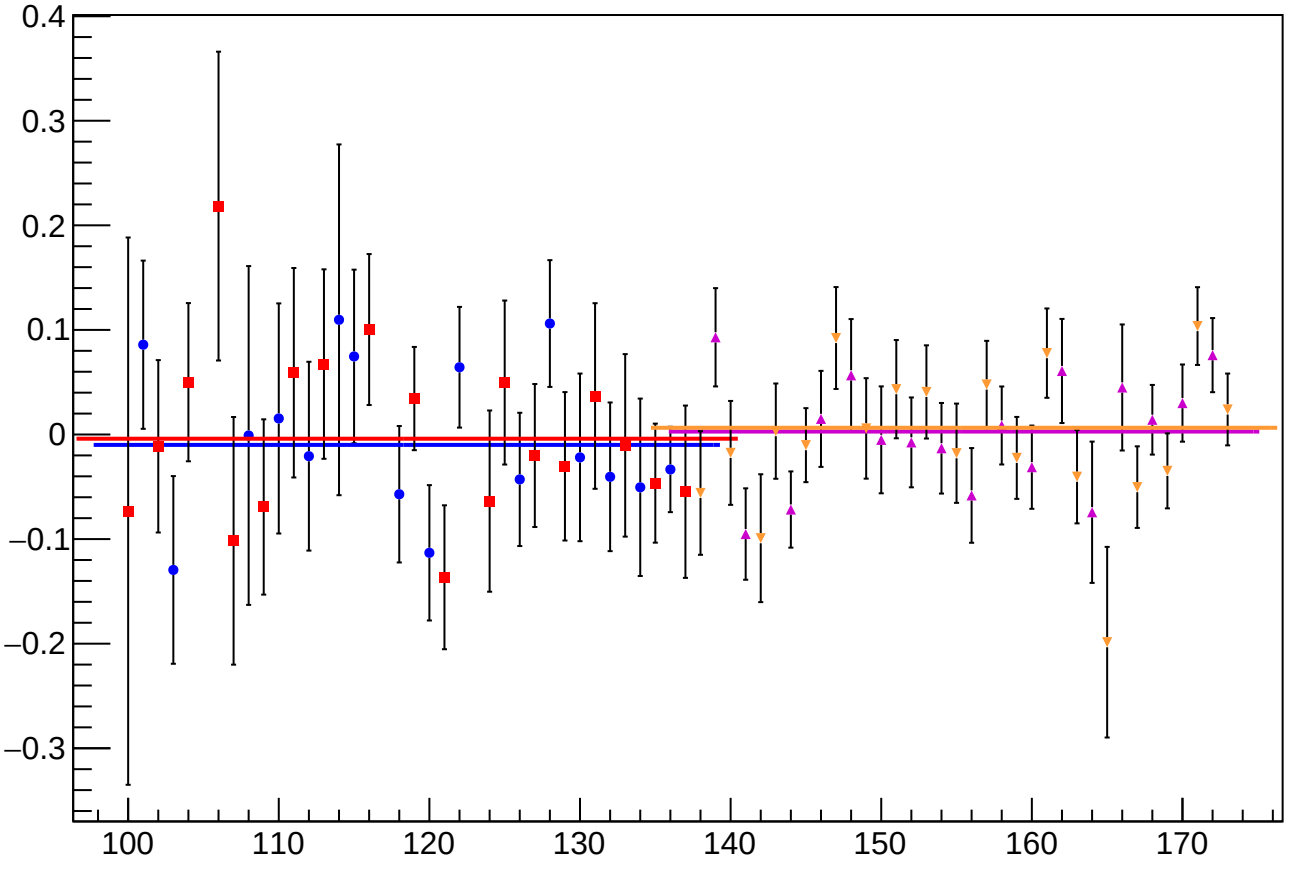
Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:36.8/32

Out: 0.000+/-0.000 χ^2/NDF:43.4/37

All: -0.000+/-0.000 χ^2/NDF: 80.6/70


asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1382311.2/15
Left Out: 0.000+/-0.000 χ²/NDF:931963.1/18
Right Out: 0.000+/-0.000 χ²/NDF: 660994.1/18
Left In: 0.000+/-0.000 χ²/NDF:1163050.1/16
Left: 0.000+/-0.000 χ²/NDF: 2095696.7/35
Right: 0.000+/-0.000 χ²/NDF: 2430892.0/34
In: 0.000+/-0.000 χ²/NDF:4136687.2/32
Out: 0.000+/-0.000 χ²/NDF:4508371.4/37
All: 0.000+/-0.000 χ²/NDF: 8645100.1/70



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.1/18

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.010 χ^2/NDF:24.8/16

Left: 0.005+/-0.007 χ^2/NDF: 55.0/35

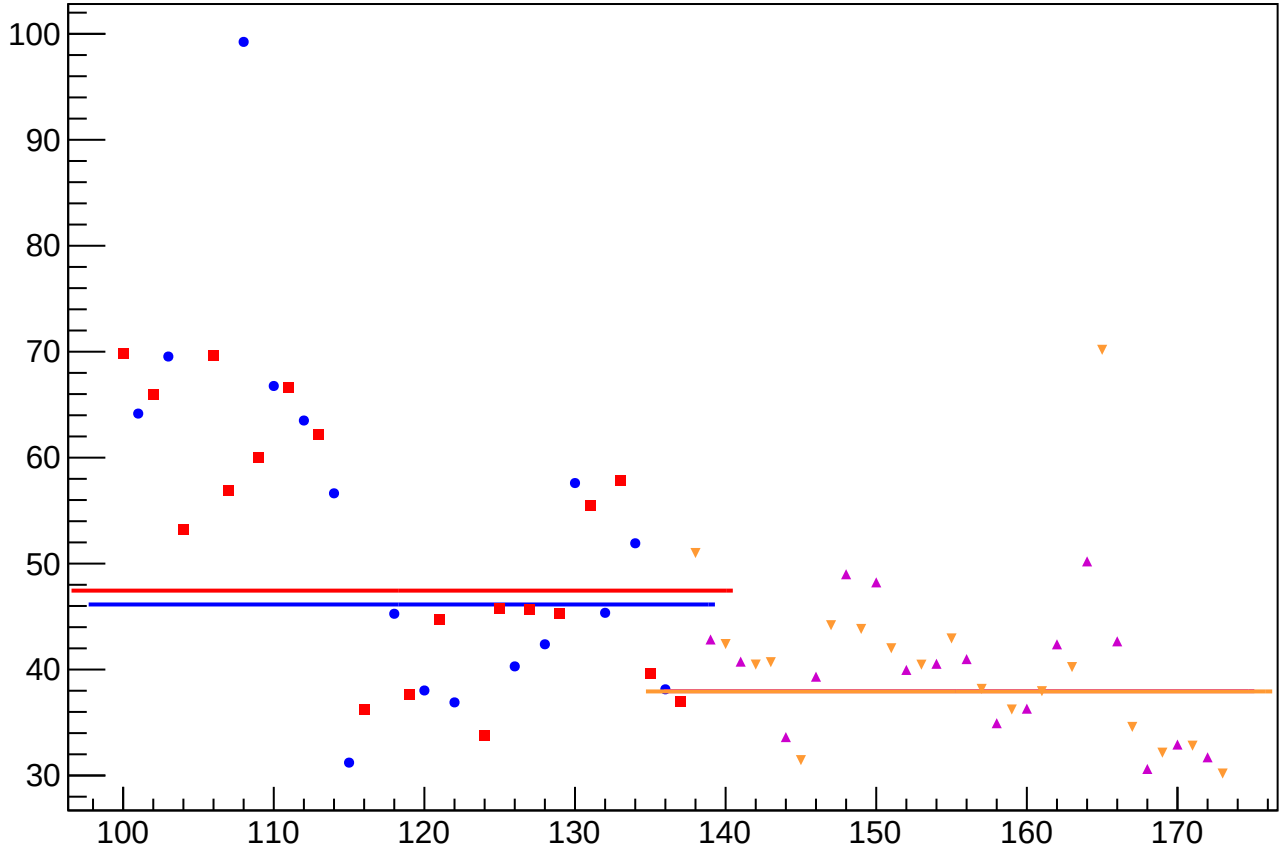
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.000+/-0.009 χ^2/NDF:39.4/32

Out: 0.004+/-0.009 χ^2/NDF:44.3/37

All: 0.002+/-0.006 χ^2/NDF: 83.8/70

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 37.934+/-0.007 χ^2/NDF:764586.2/18

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 37.961+/-0.007 χ^2/NDF:552013.9/16

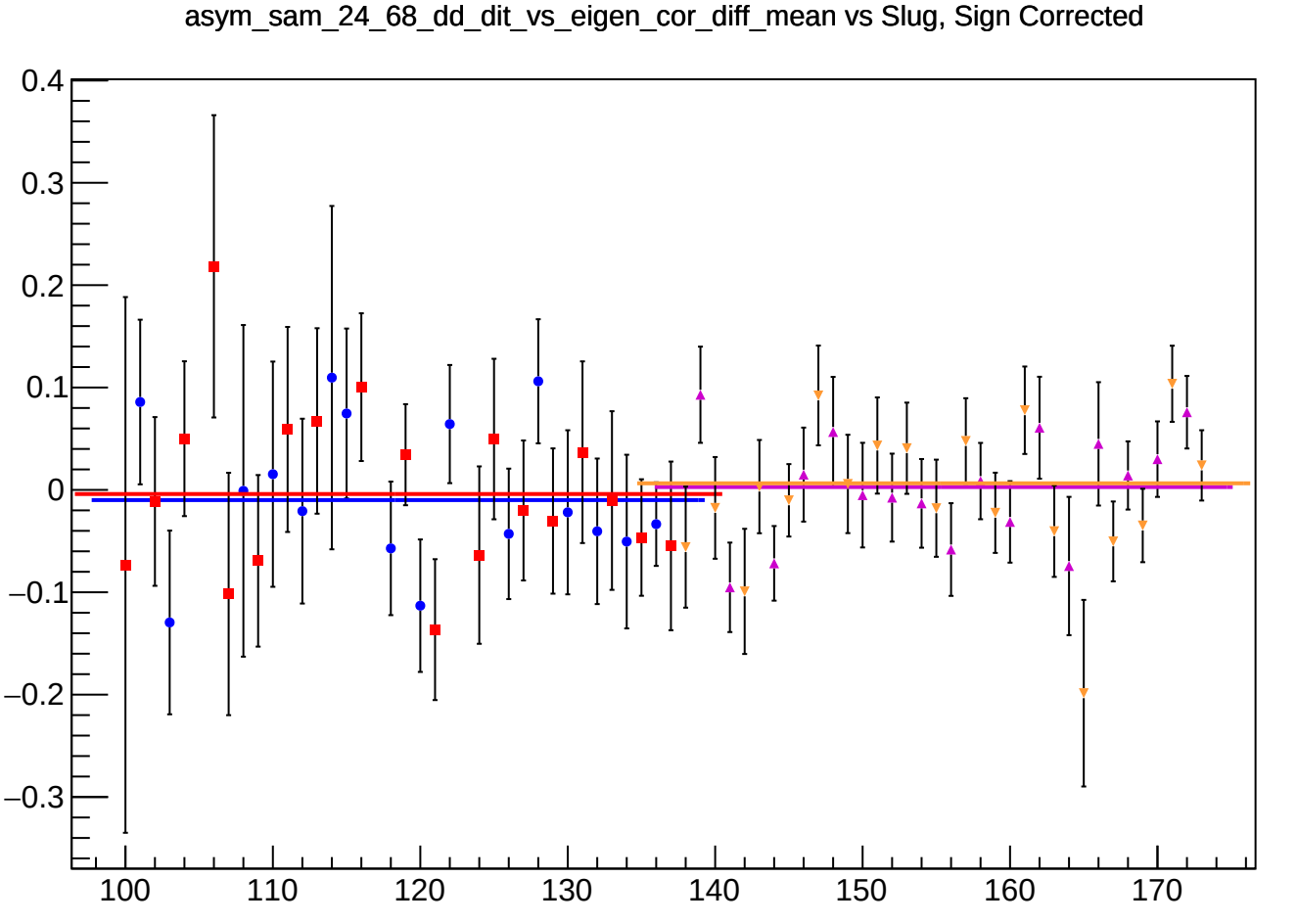
Left: 37.947+/-0.005 χ^2/NDF: 1316607.0/35

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

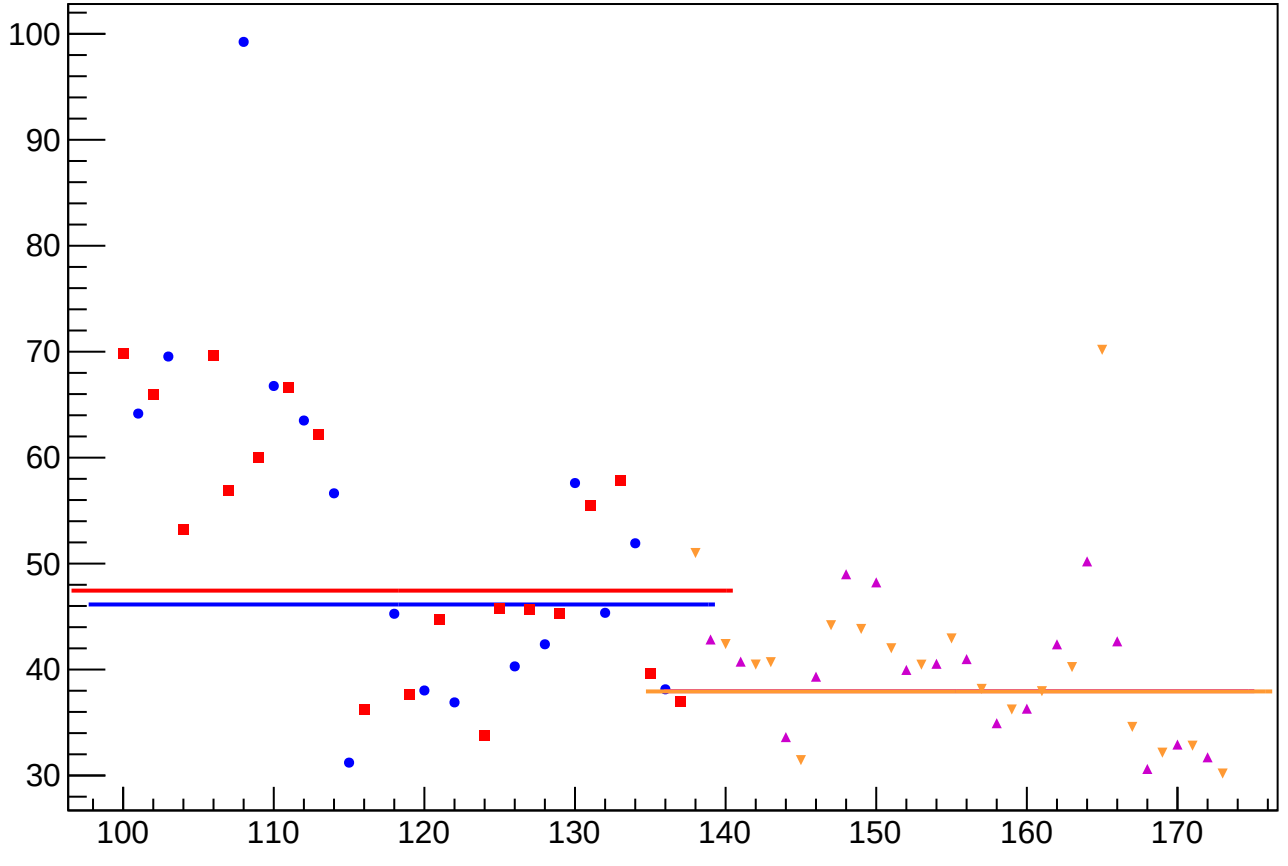
In: 40.022+/-0.006 χ^2/NDF:1764563.4/32

Out: 40.178+/-0.006 χ^2/NDF:1842009.5/37

All: 40.102+/-0.004 χ^2/NDF: 3606882.8/70


asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
Right In: -0.010+/-0.018 χ²/NDF: 14.2/15
Left Out: 0.006+/-0.010 χ²/NDF:30.1/18
Right Out: -0.004+/-0.018 χ²/NDF: 13.9/18
Left In: 0.003+/-0.010 χ²/NDF:24.8/16
Left: 0.005+/-0.007 χ²/NDF: 55.0/35
Right: -0.007+/-0.013 χ²/NDF: 28.1/34
In: -0.000+/-0.009 χ²/NDF:39.4/32
Out: 0.004+/-0.009 χ²/NDF:44.3/37
All: 0.002+/-0.006 χ²/NDF: 83.8/70

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: 37.934+/-0.007 χ^2/NDF:764586.2/18

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 37.961+/-0.007 χ^2/NDF:552013.9/16

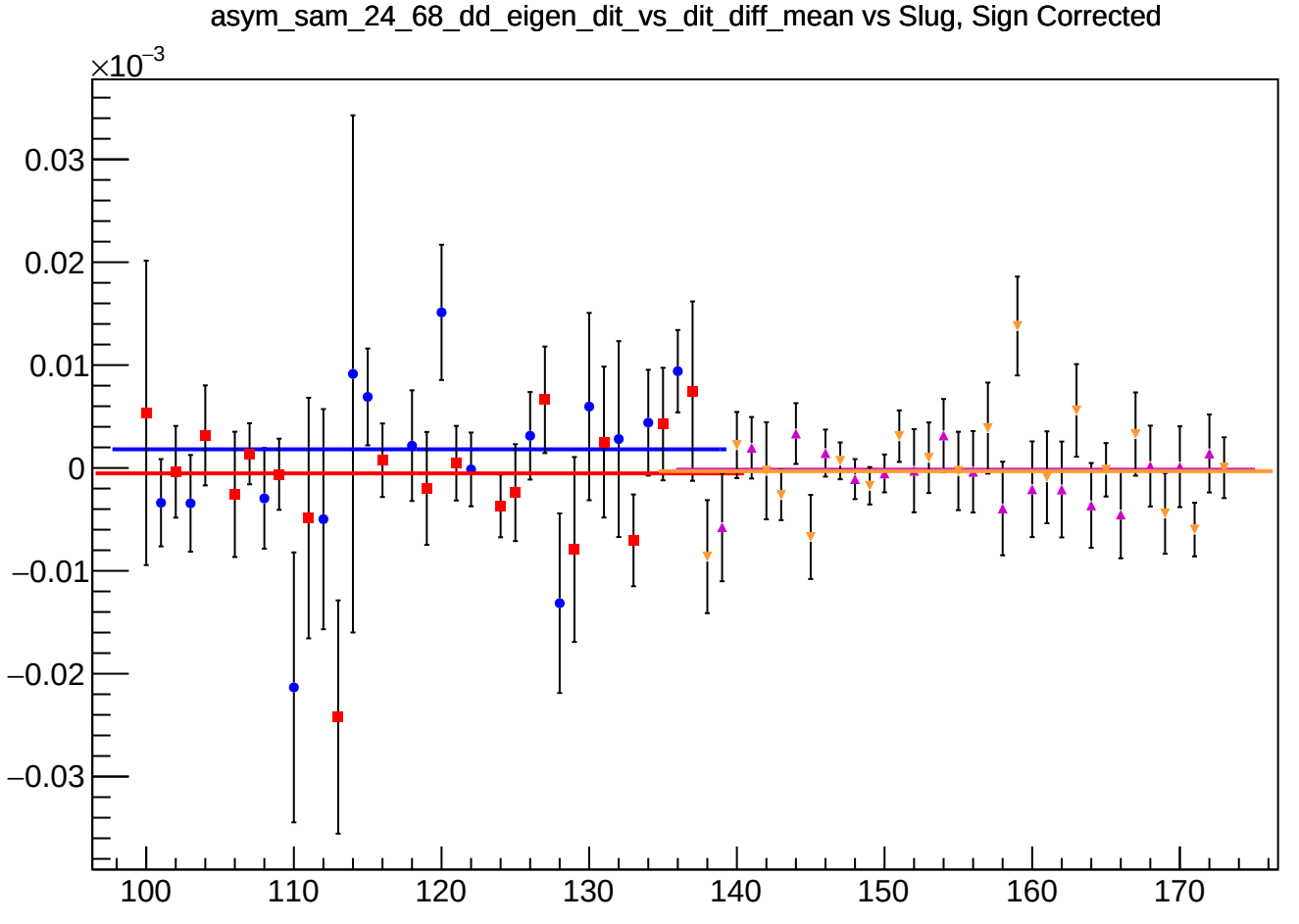
Left: 37.947+/-0.005 χ^2/NDF: 1316607.0/35

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 40.022+/-0.006 χ^2/NDF:1764563.4/32

Out: 40.178+/-0.006 χ^2/NDF:1842009.5/37

All: 40.102+/-0.004 χ^2/NDF: 3606882.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.1/18

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.7/16

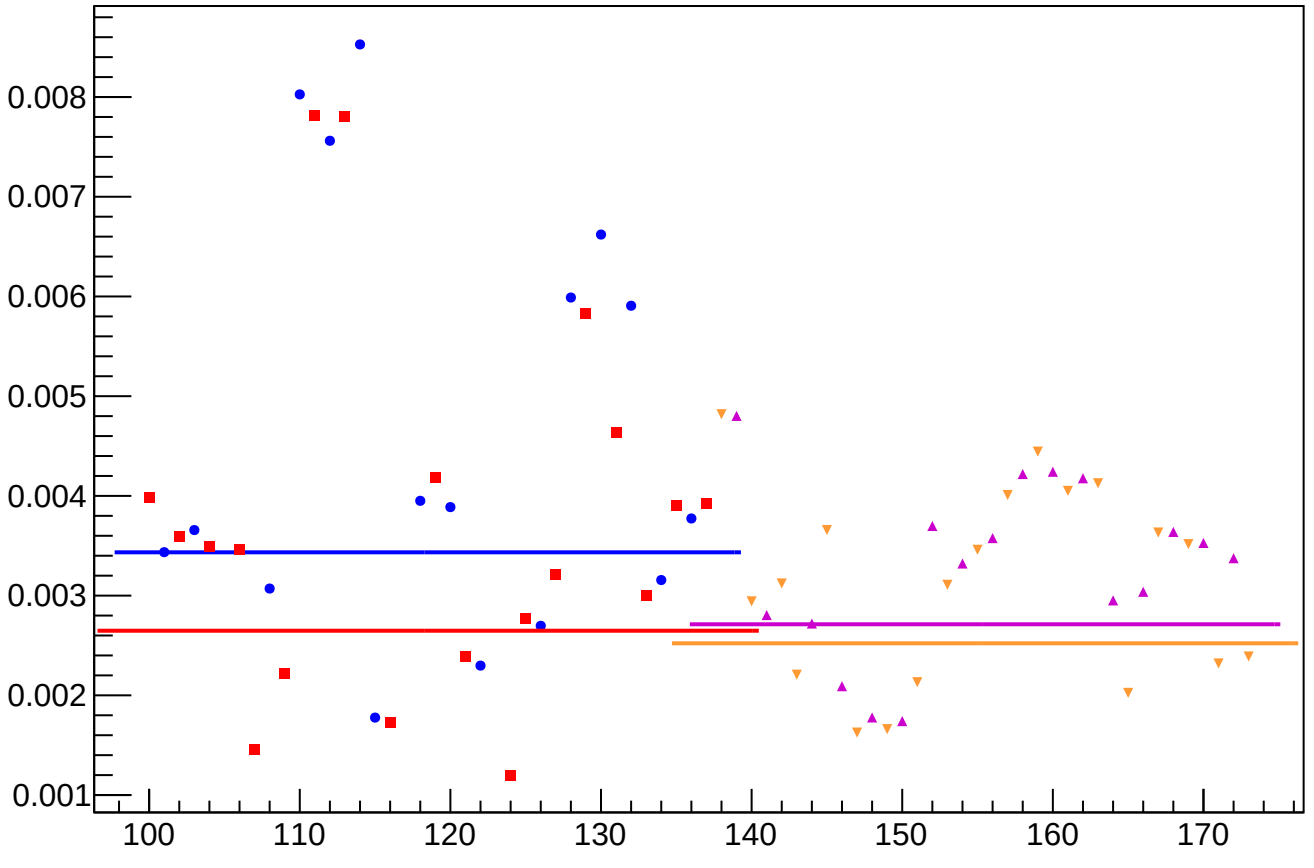
Left: -0.000+/-0.000 χ^2/NDF: 34.8/35

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:29.2/32

Out: -0.000+/-0.000 χ^2/NDF:40.9/37

All: -0.000+/-0.000 χ^2/NDF: 70.7/70



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3185111.1/18

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2667622.7/16

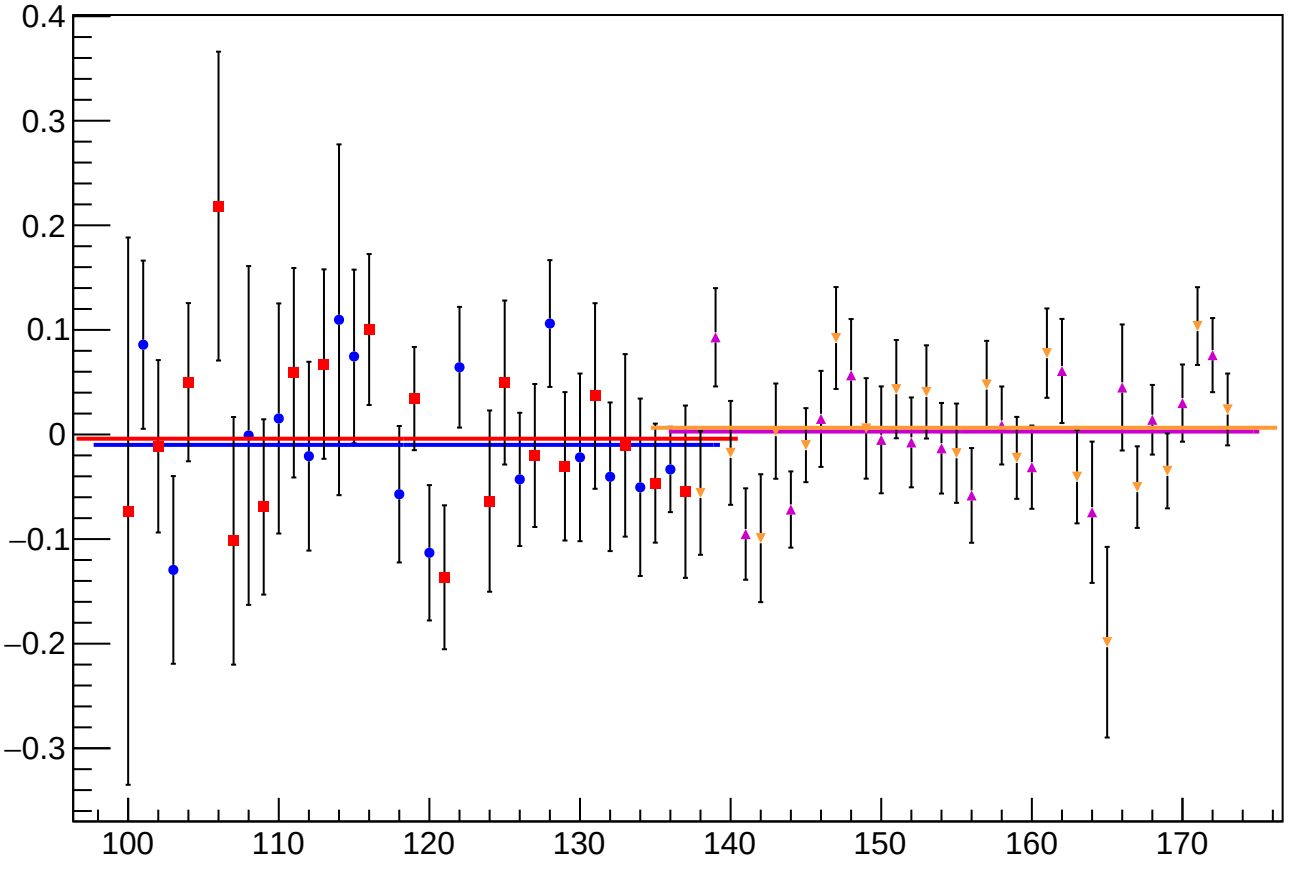
Left: 0.003+/-0.000 χ^2/NDF: 5919756.7/35

Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:4836038.1/32

Out: 0.003+/-0.000 χ^2/NDF:5900945.0/37

All: 0.003+/-0.000 χ^2/NDF: 11006318.6/70



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.1/18

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.010 χ^2/NDF:24.8/16

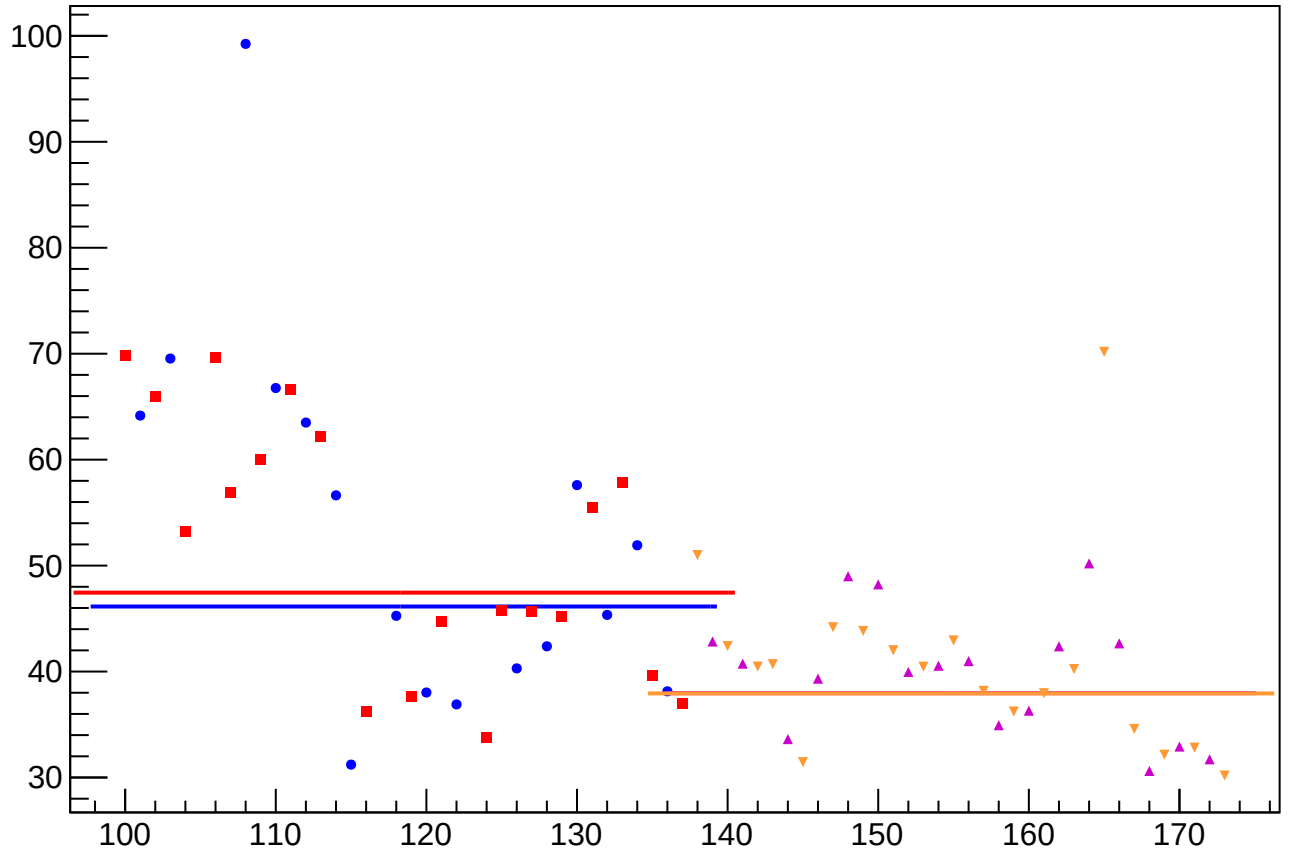
Left: 0.005+/-0.007 χ^2/NDF: 55.0/35

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.000+/-0.009 χ^2/NDF:39.4/32

Out: 0.004+/-0.009 χ^2/NDF:44.3/37

All: 0.002+/-0.006 χ^2/NDF: 83.8/70



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 37.934+/-0.007 χ^2/NDF:764609.1/18

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 37.961+/-0.007 χ^2/NDF:552063.9/16

Left: 37.947+/-0.005 χ^2/NDF: 1316679.9/35

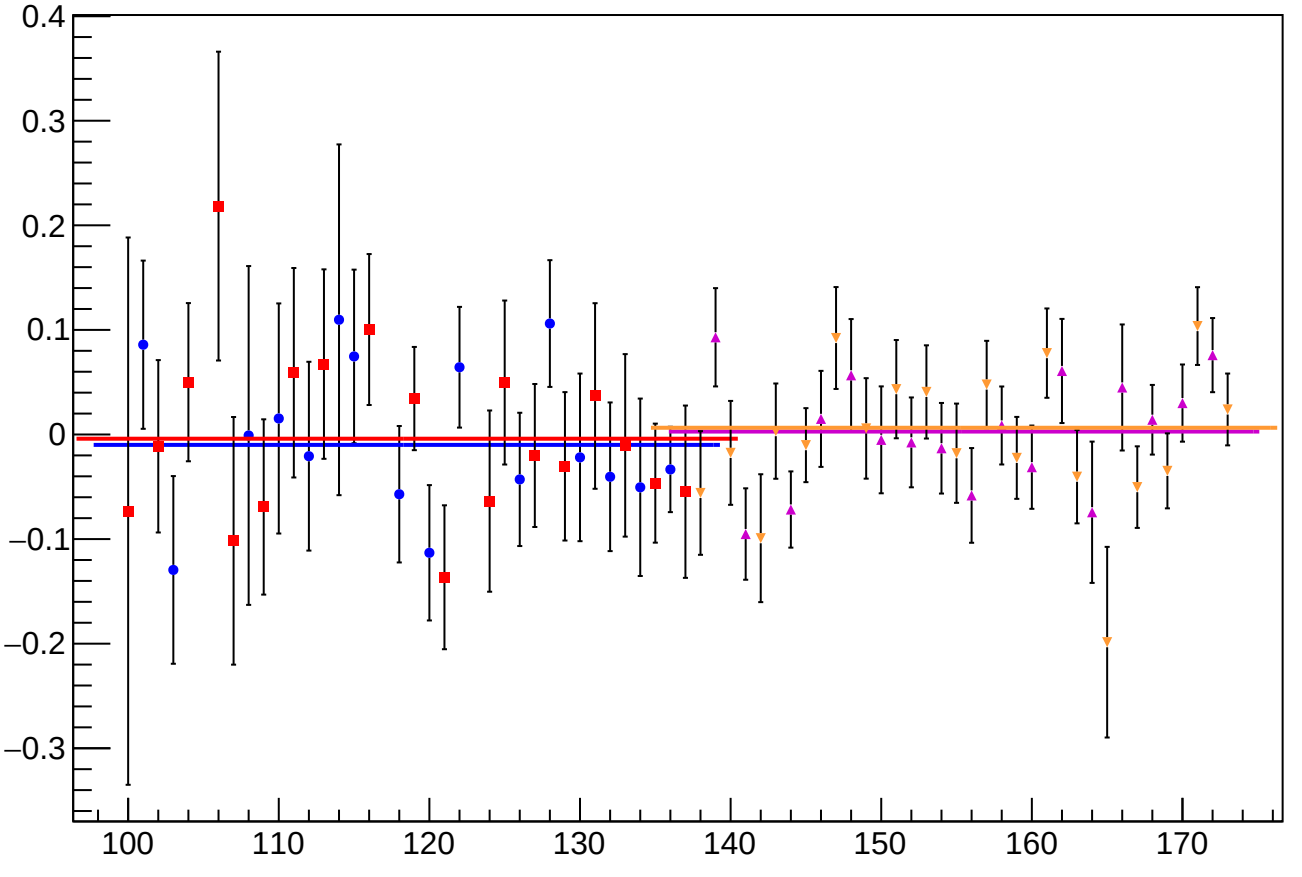
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 40.021+/-0.006 χ^2/NDF:1764496.5/32

Out: 40.178+/-0.006 χ^2/NDF:1841925.4/37

All: 40.102+/-0.004 χ^2/NDF: 3606733.0/70

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.1/18

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.010 χ^2/NDF:24.8/16

Left: 0.005+/-0.007 χ^2/NDF: 55.0/35

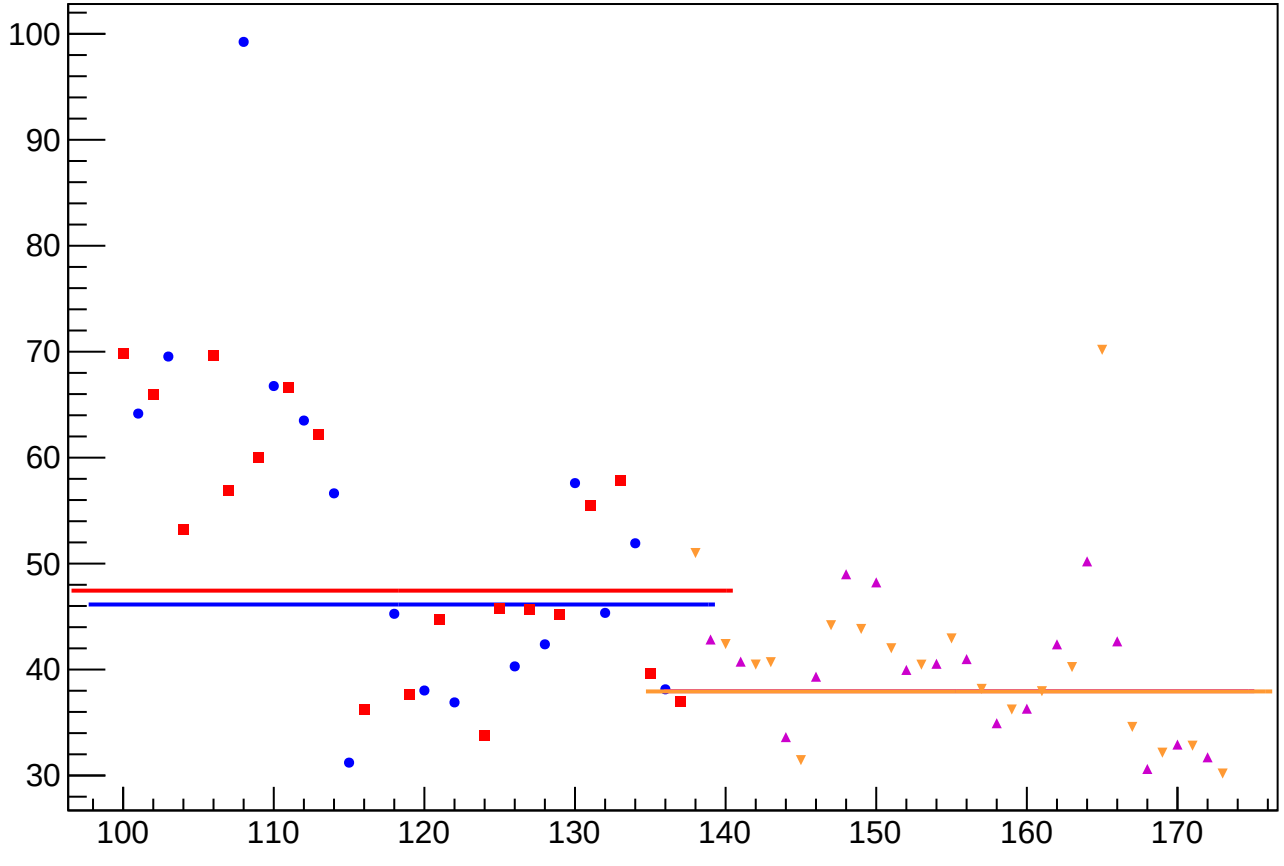
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.000+/-0.009 χ^2/NDF:39.4/32

Out: 0.004+/-0.009 χ^2/NDF:44.3/37

All: 0.002+/-0.006 χ^2/NDF: 83.8/70

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: 37.934+/-0.007 χ^2/NDF:764609.1/18

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 37.961+/-0.007 χ^2/NDF:552063.9/16

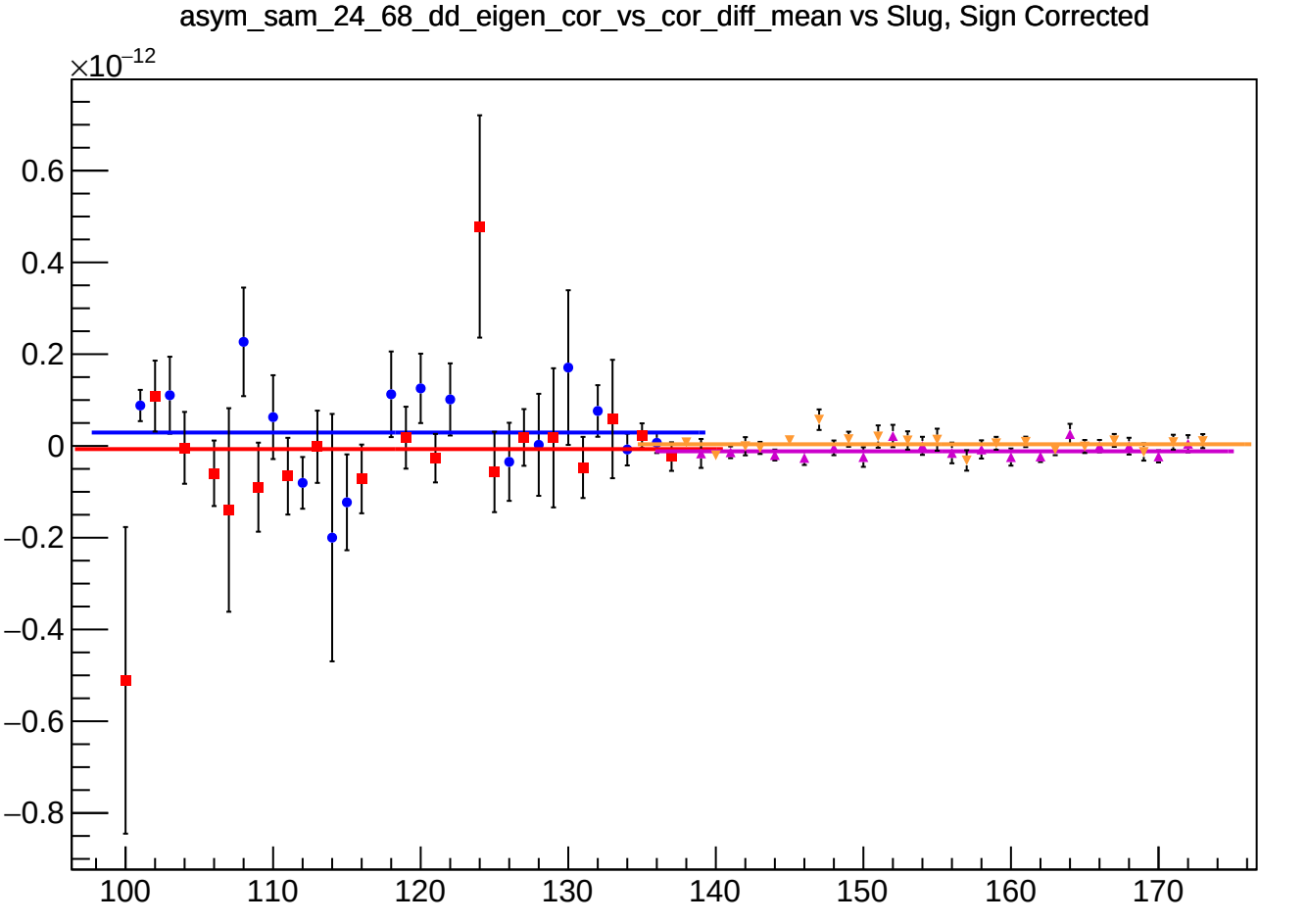
Left: 37.947+/-0.005 χ^2/NDF: 1316679.9/35

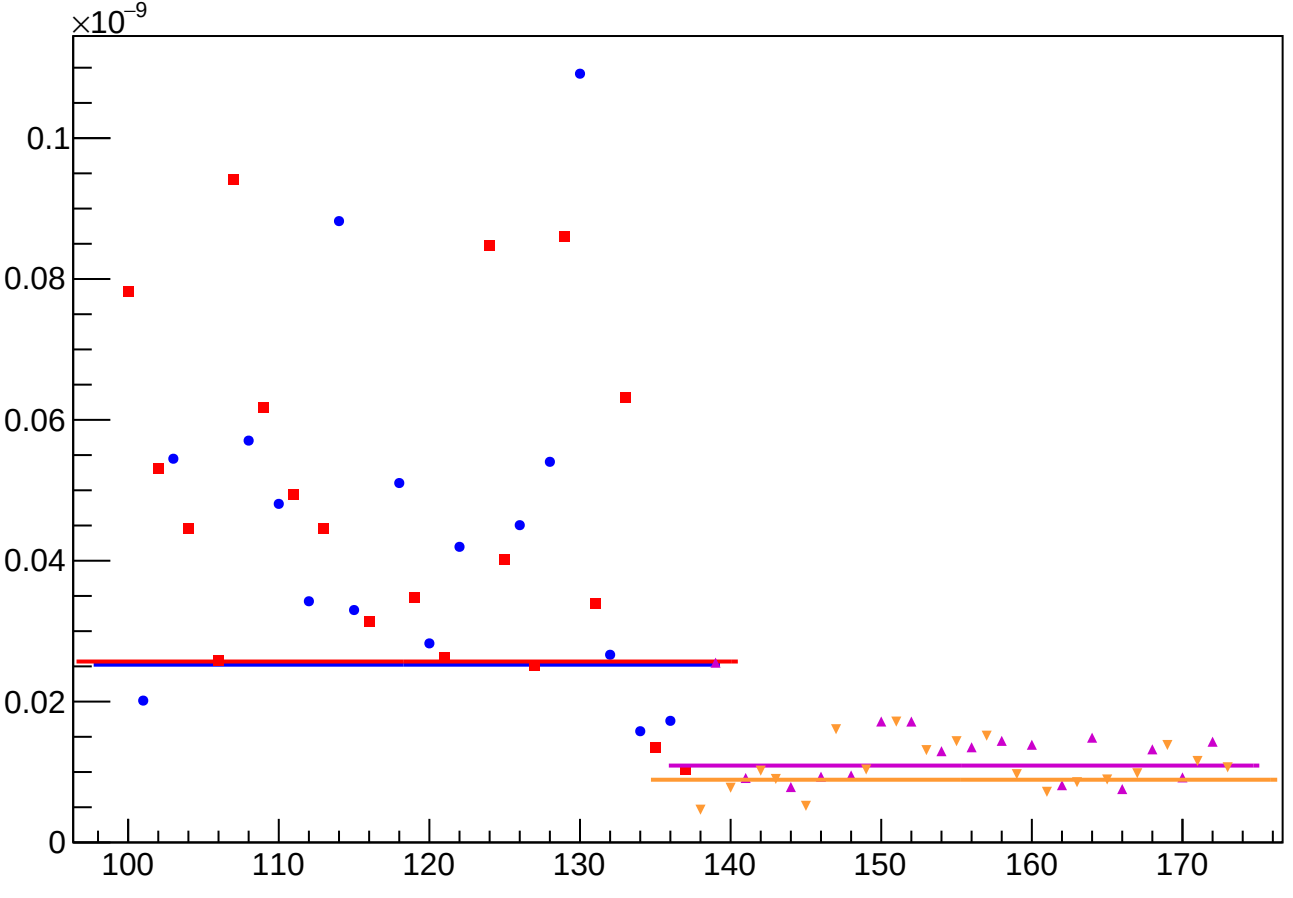
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 40.021+/-0.006 χ^2/NDF:1764496.5/32

Out: 40.178+/-0.006 χ^2/NDF:1841925.4/37

All: 40.102+/-0.004 χ^2/NDF: 3606733.0/70


asym_sam_24_68_dd_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
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 20.9/15
Left Out: 0.000+/-0.000 χ²/NDF:18.7/18
Right Out: -0.000+/-0.000 χ²/NDF: 14.3/18
Left In: -0.000+/-0.000 χ²/NDF:11.0/16
Left: -0.000+/-0.000 χ²/NDF: 38.5/35
Right: 0.000+/-0.000 χ²/NDF: 38.5/34
In: -0.000+/-0.000 χ²/NDF:40.3/32
Out: 0.000+/-0.000 χ²/NDF:33.5/37
All: -0.000+/-0.000 χ²/NDF: 79.1/70



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1791851.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1517362.2/16

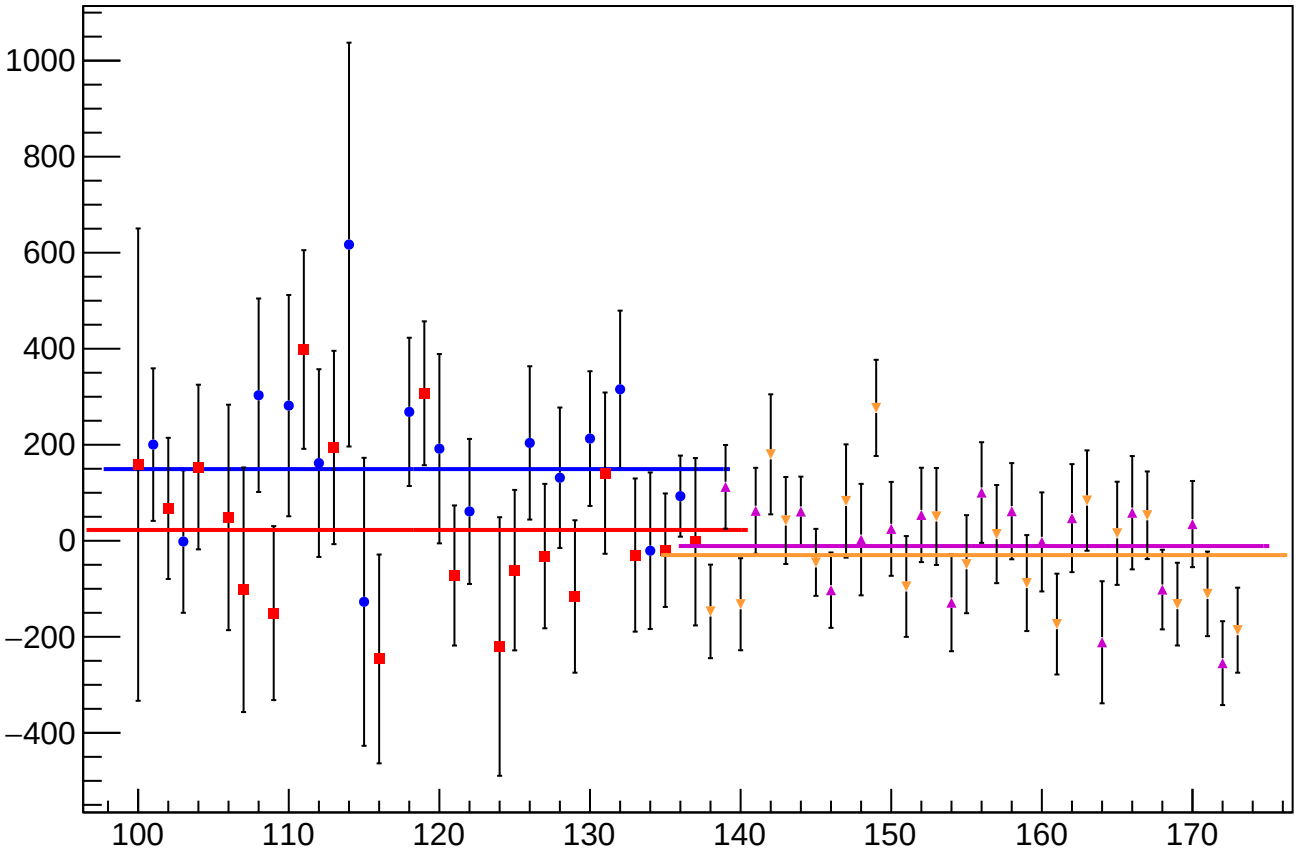
Left: 0.000+/-0.000 χ^2/NDF: 3608954.4/35

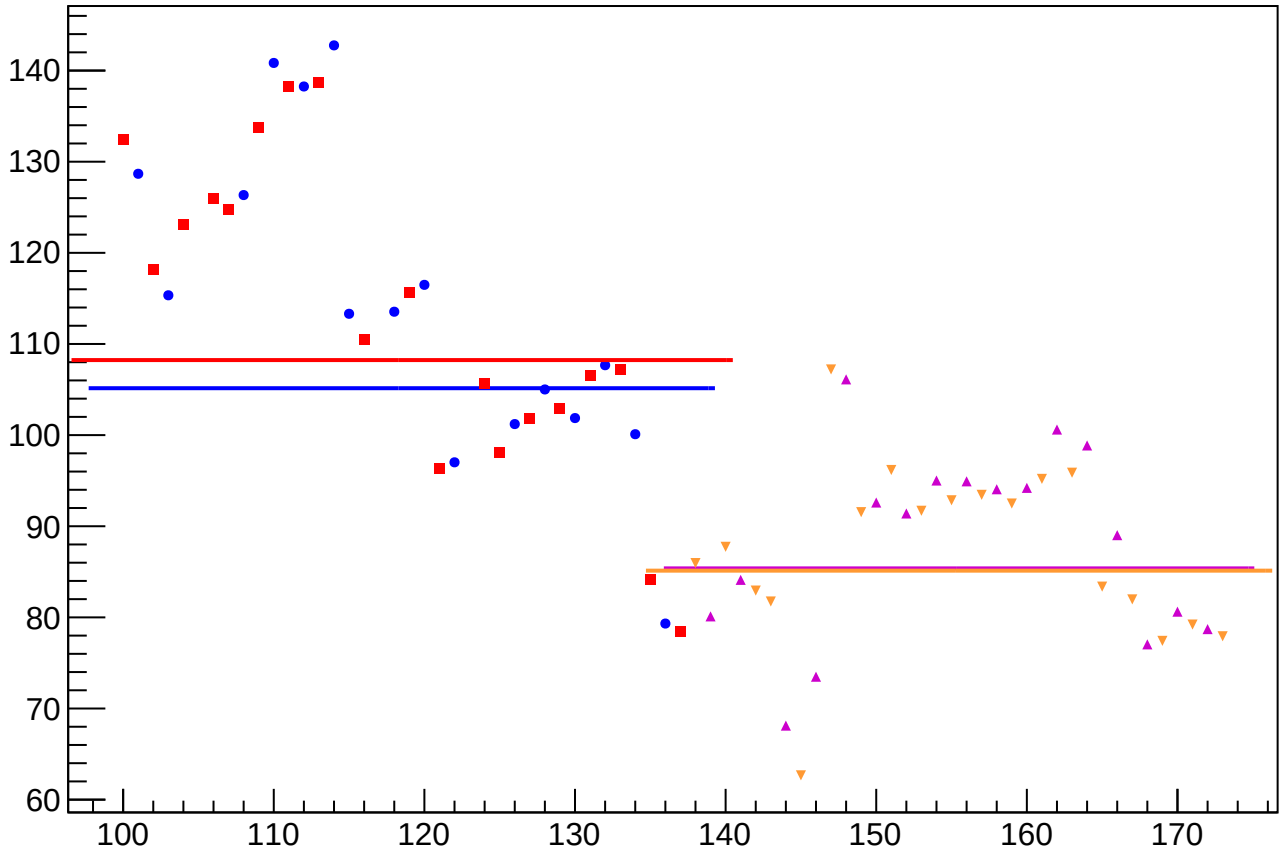
Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:5699269.2/32

Out: 0.000+/-0.000 χ^2/NDF:7184743.8/37

All: 0.000+/-0.000 χ^2/NDF: 13318506.0/70


reg_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
170
Right In: 149.303+/-39.687 χ²/NDF: 8.0/15
Left Out: -29.834+/-22.153 χ²/NDF:27.4/18
Right Out: 22.549+/-40.100 χ²/NDF: 14.2/18
Left In: -10.960+/-23.023 χ²/NDF:21.0/16
Left: -20.760+/-15.963 χ²/NDF: 48.7/35
Right: 86.583+/-28.208 χ²/NDF: 27.3/34
In: 29.395+/-19.915 χ²/NDF:41.2/32
Out: -17.585+/-19.391 χ²/NDF:42.9/37
All: 5.278+/-13.893 χ²/NDF: 86.9/70



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 85.127+/-0.016 χ^2/NDF:437489.0/18

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 85.376+/-0.016 χ^2/NDF:411820.2/16

Left: 85.247+/-0.011 χ^2/NDF: 849430.2/35

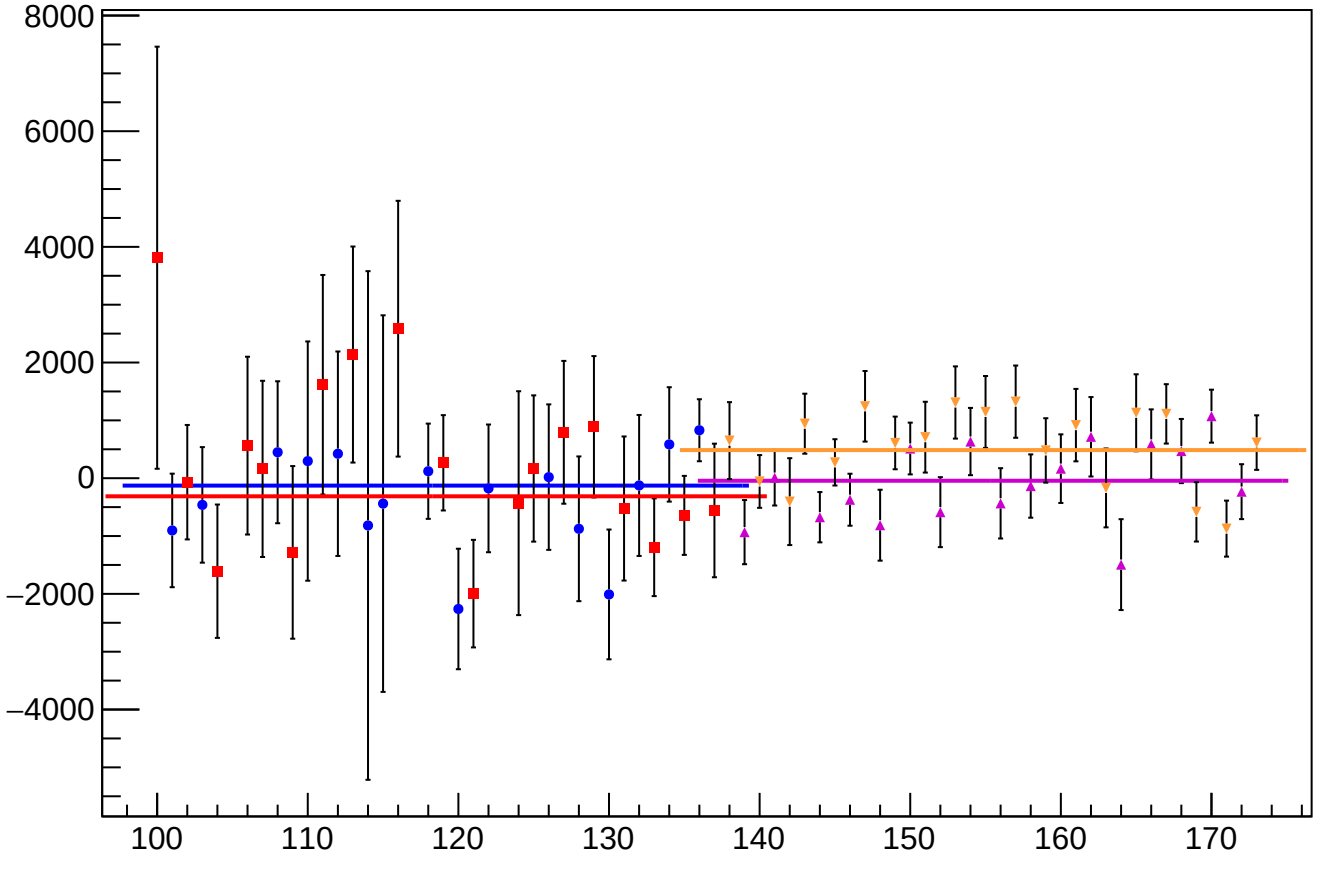
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 90.354+/-0.014 χ^2/NDF:1191576.5/32

Out: 90.530+/-0.014 χ^2/NDF:1296164.7/37

All: 90.444+/-0.010 χ^2/NDF: 2487821.2/70

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: 485.895+/-125.765 χ^2/NDF:26.4/18

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -44.065+/-130.250 χ^2/NDF:23.7/16

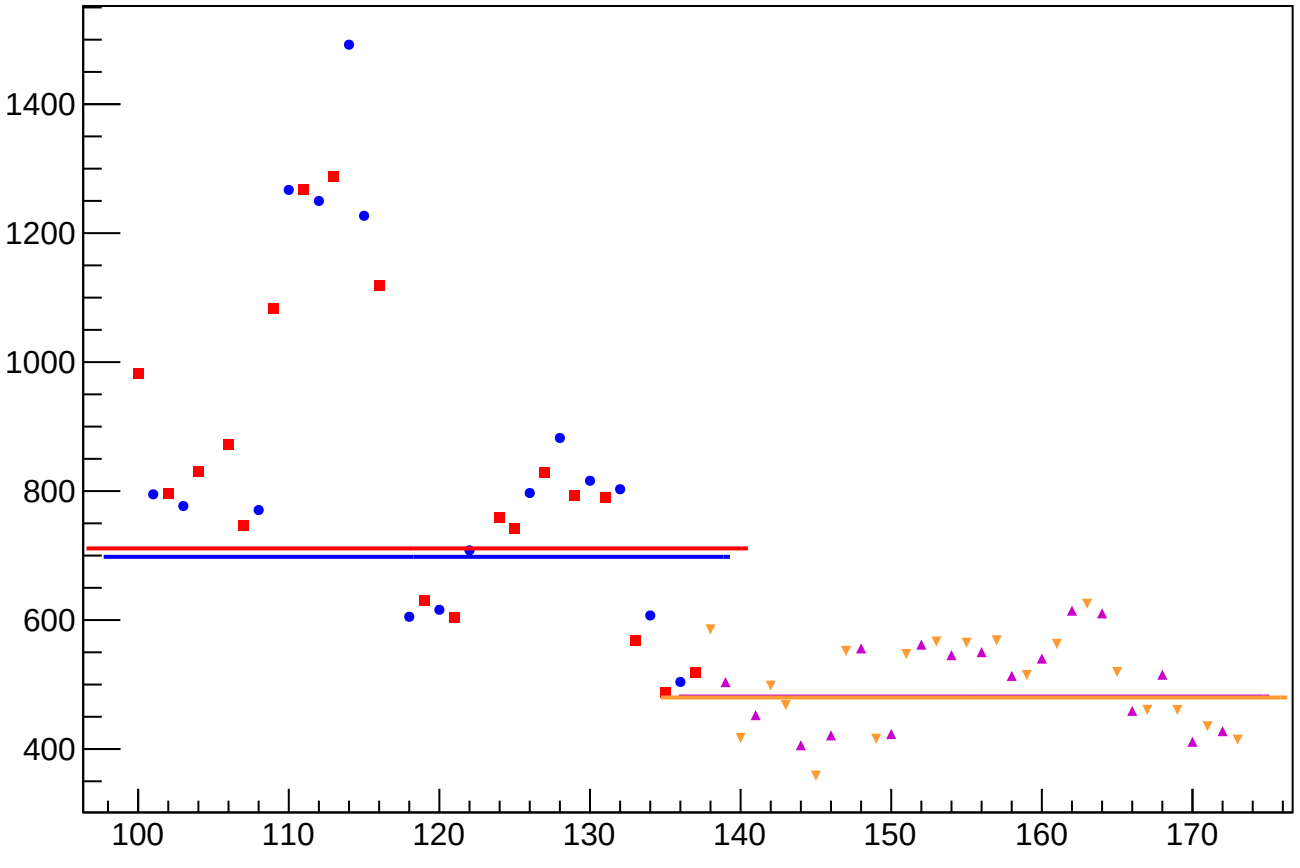
Left: 230.196+/-90.473 χ^2/NDF: 58.7/35

Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -60.054+/-117.198 χ^2/NDF:36.1/32

Out: 343.572+/-114.014 χ^2/NDF:48.6/37

All: 147.316+/-81.723 χ^2/NDF: 90.8/70



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 479.906+/-0.089 χ^2/NDF:683560.8/18

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 481.398+/-0.092 χ^2/NDF:493831.1/16

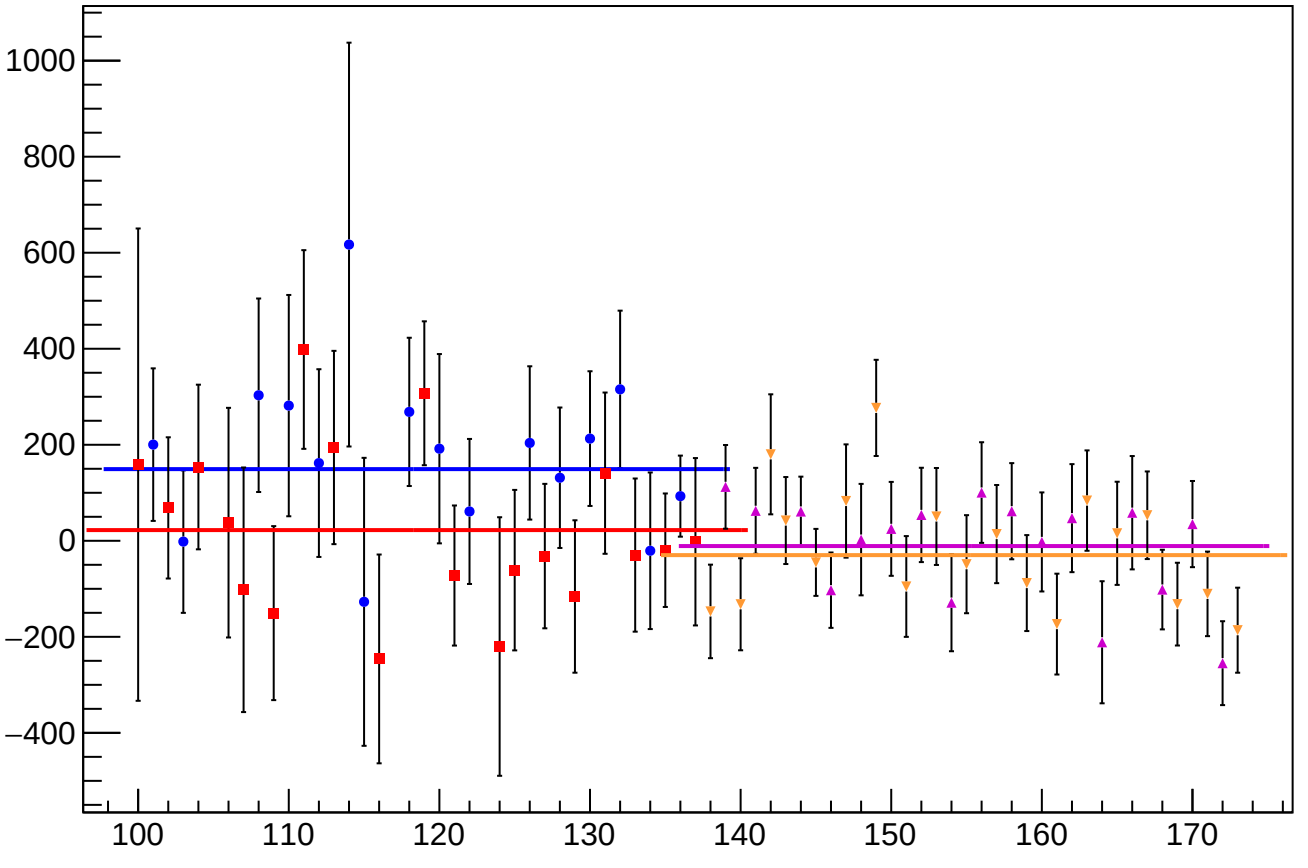
Left: 480.626+/-0.064 χ^2/NDF: 1177527.8/35

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 522.643+/-0.083 χ^2/NDF:2460126.6/32

Out: 521.089+/-0.081 χ^2/NDF:2922566.4/37

All: 521.845+/-0.058 χ^2/NDF: 5382873.6/70



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -29.835+/-22.153 χ^2/NDF:27.4/18

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: -10.960+/-23.023 χ^2/NDF:21.0/16

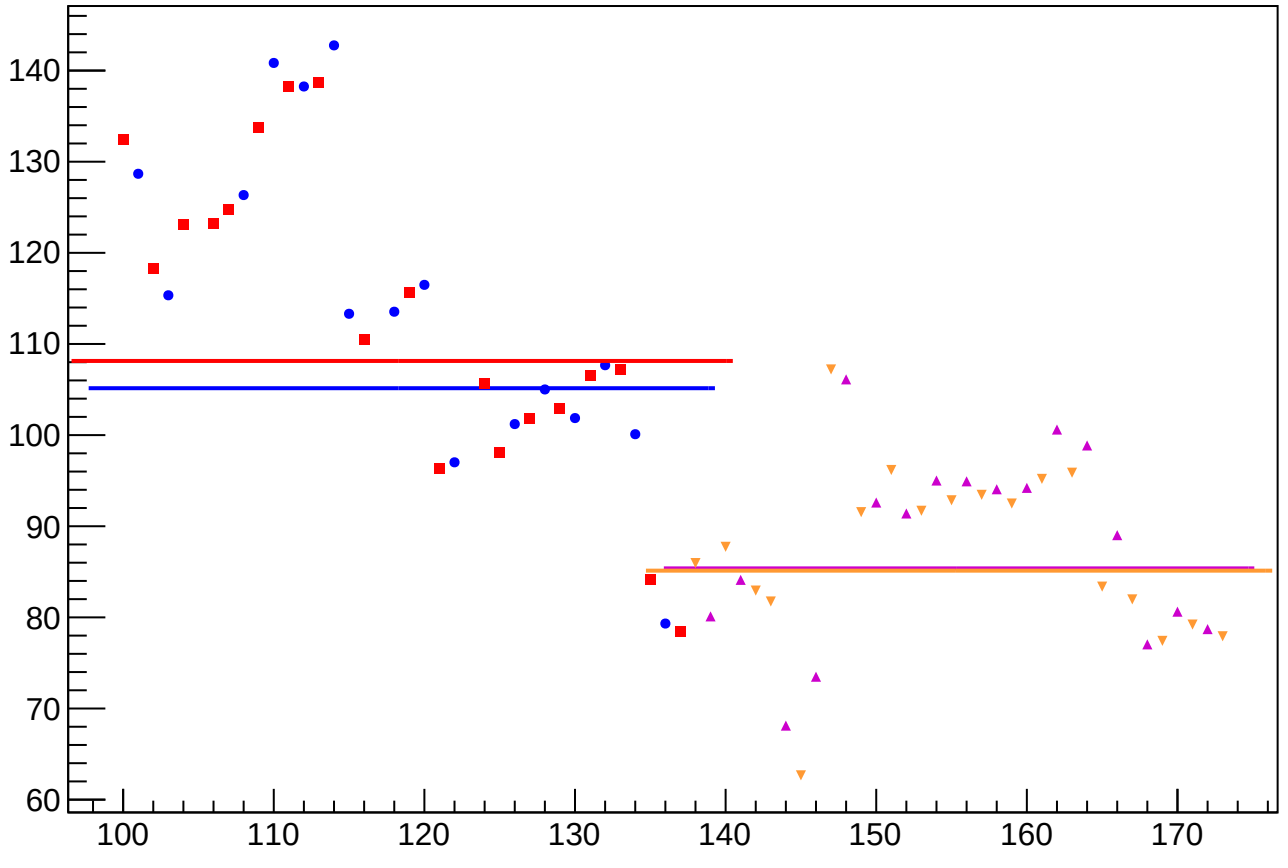
Left: -20.761+/-15.963 χ^2/NDF: 48.7/35

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 29.393+/-19.915 χ^2/NDF:41.2/32

Out: -17.656+/-19.393 χ^2/NDF:42.9/37

All: 5.244+/-13.894 χ^2/NDF: 86.9/70



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.127+/-0.016 χ^2/NDF:437489.0/18

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.376+/-0.016 χ^2/NDF:411820.2/16

Left: 85.247+/-0.011 χ^2/NDF: 849430.2/35

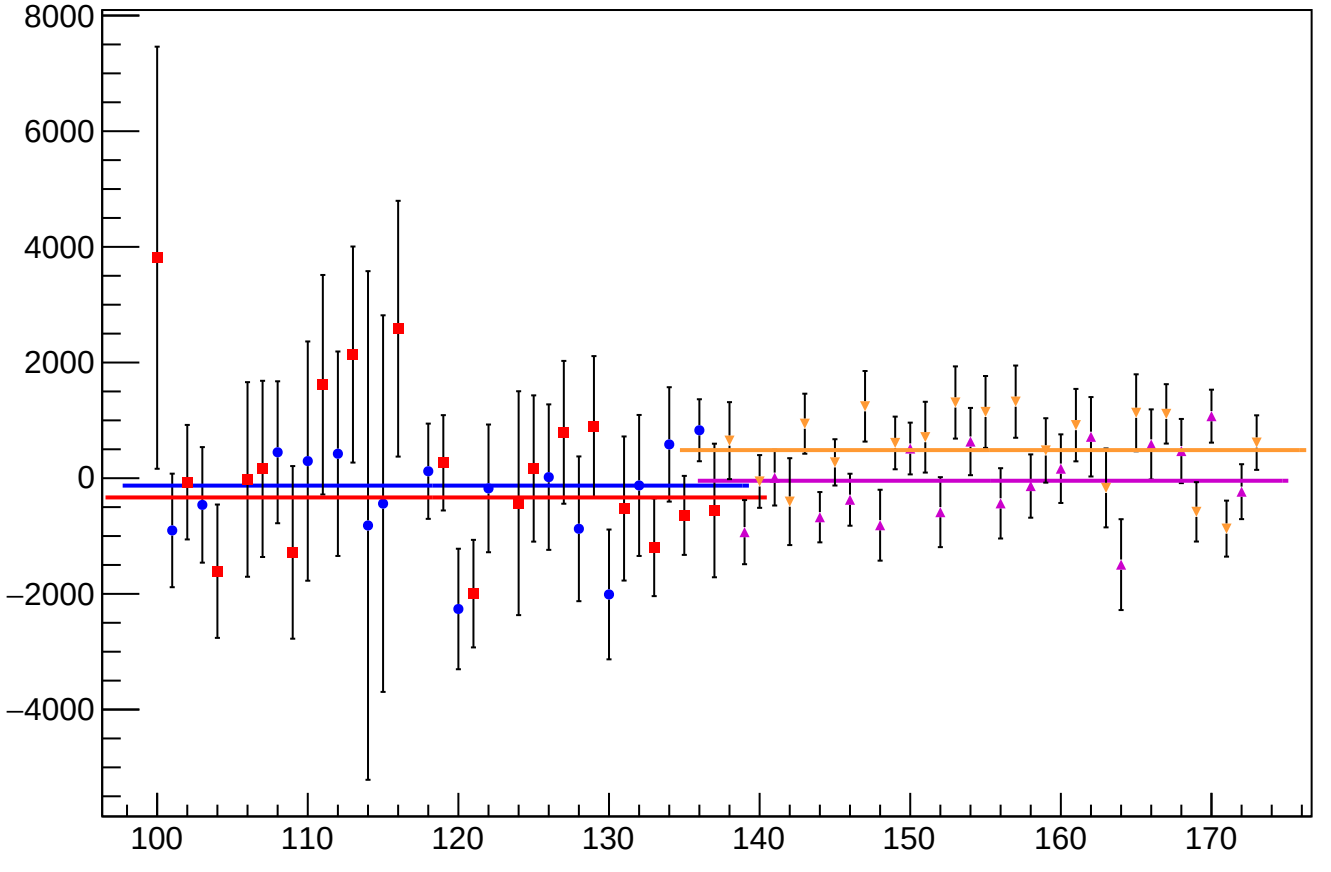
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 90.354+/-0.014 χ^2/NDF:1191576.8/32

Out: 90.503+/-0.014 χ^2/NDF:1287889.2/37

All: 90.430+/-0.010 χ^2/NDF: 2479523.3/70

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: 485.897+/-125.765 χ^2/NDF:26.4/18

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -44.066+/-130.250 χ^2/NDF:23.7/16

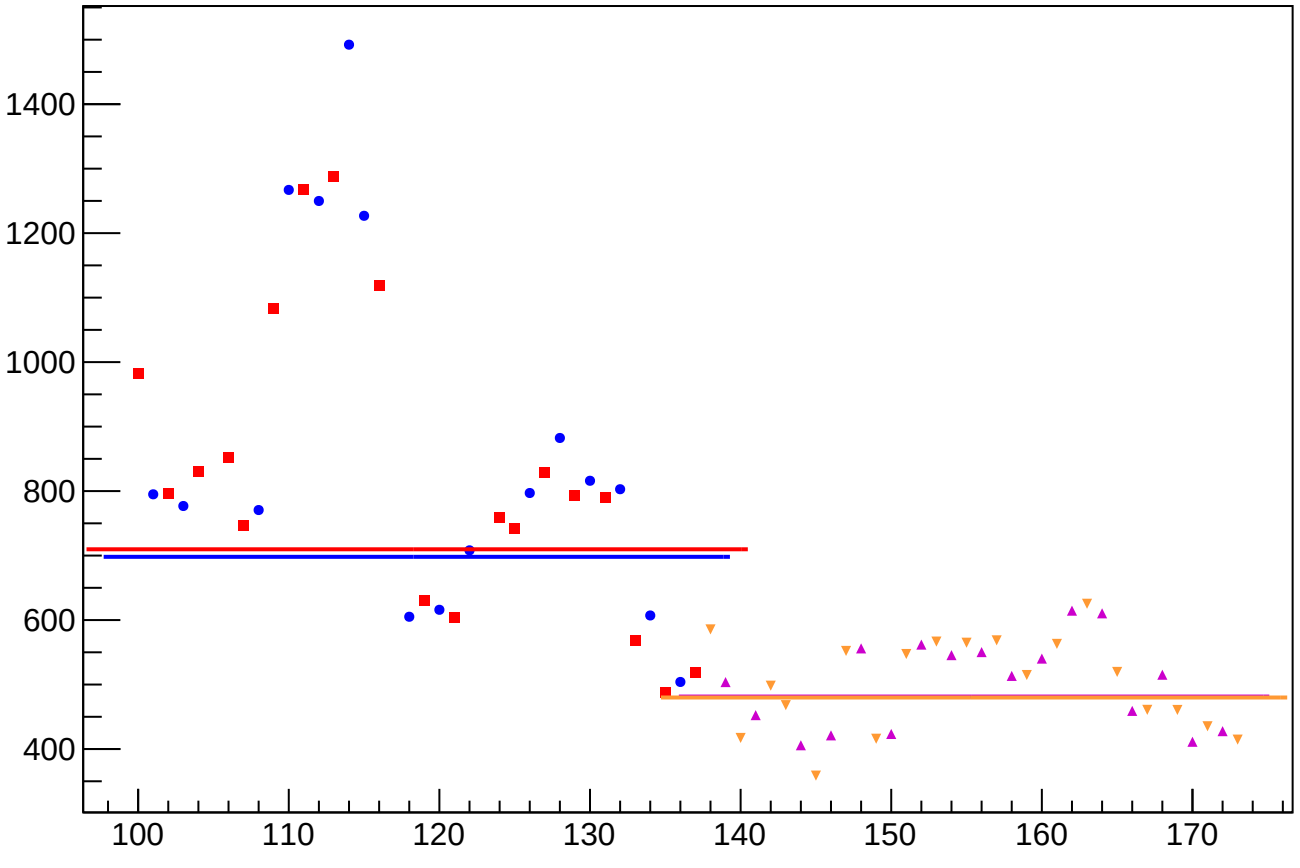
Left: 230.196+/-90.473 χ^2/NDF: 58.7/35

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -60.053+/-117.198 χ^2/NDF:36.1/32

Out: 340.699+/-114.067 χ^2/NDF:48.6/37

All: 145.748+/-81.742 χ^2/NDF: 90.8/70



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 479.906+/-0.089 χ^2/NDF:683559.0/18

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 481.398+/-0.092 χ^2/NDF:493833.5/16

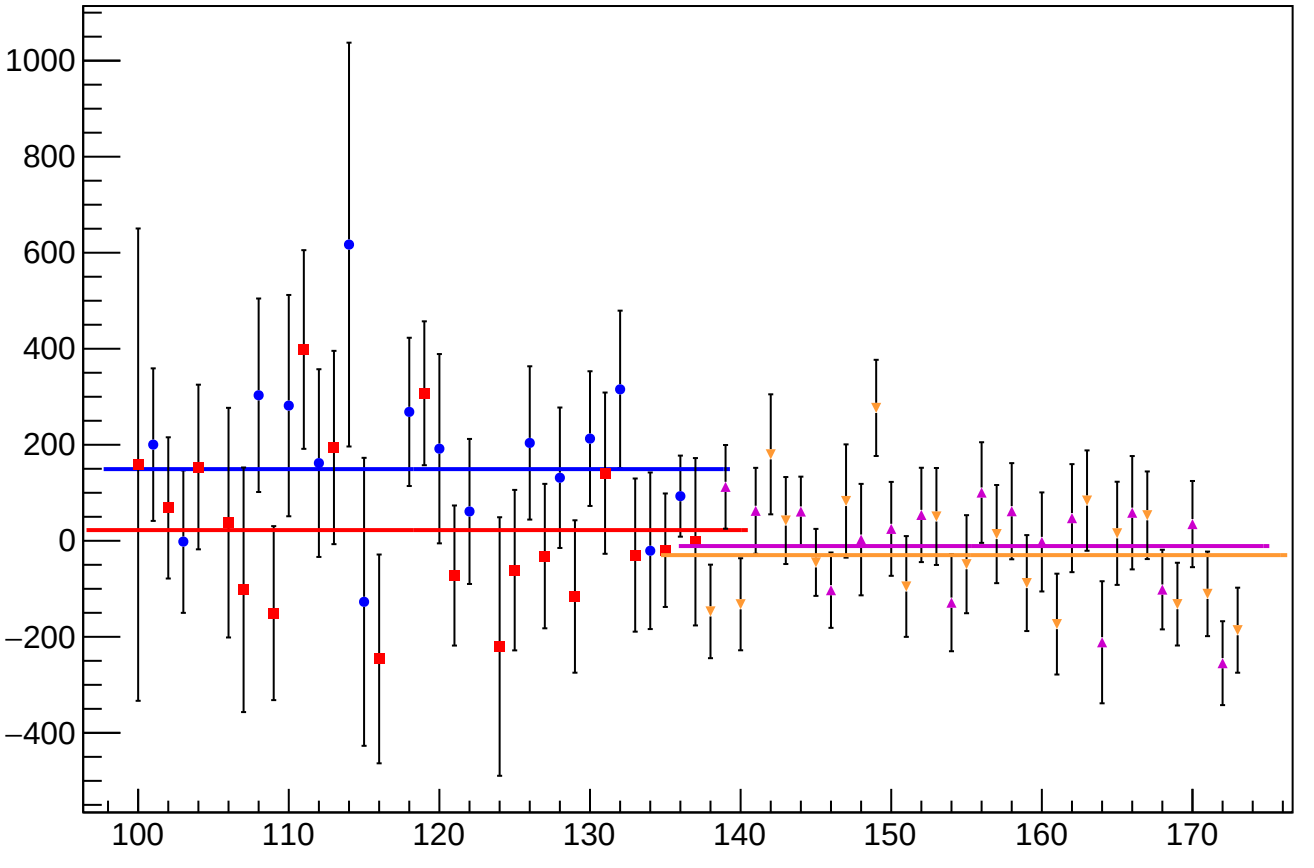
Left: 480.626+/-0.064 χ^2/NDF: 1177528.5/35

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 522.643+/-0.083 χ^2/NDF:2460141.9/32

Out: 520.676+/-0.081 χ^2/NDF:2895563.4/37

All: 521.633+/-0.058 χ^2/NDF: 5355994.6/70



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -29.835+/-22.153 χ^2/NDF:27.4/18

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: -10.960+/-23.023 χ^2/NDF:21.0/16

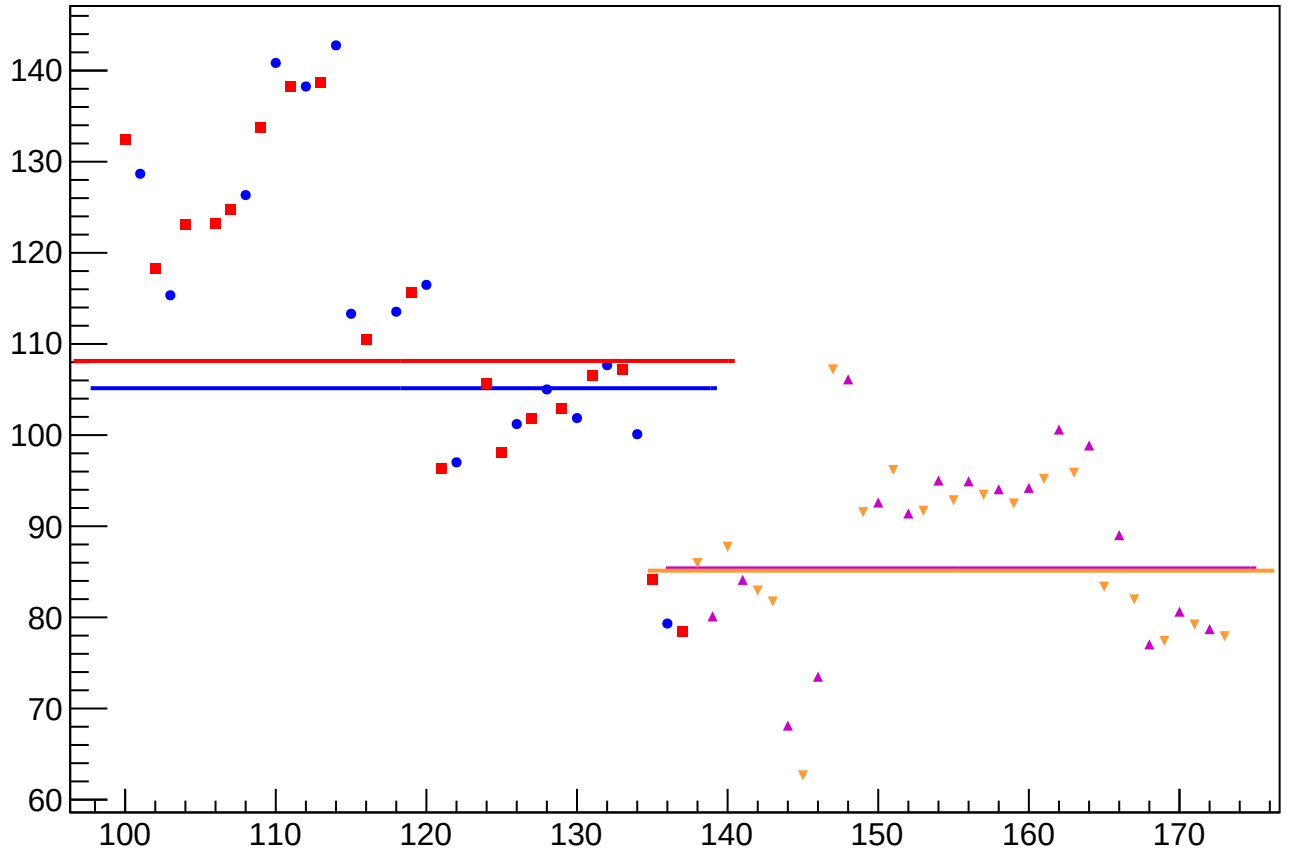
Left: -20.761+/-15.963 χ^2/NDF: 48.7/35

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 29.393+/-19.915 χ^2/NDF:41.2/32

Out: -17.656+/-19.393 χ^2/NDF:42.9/37

All: 5.244+/-13.894 χ^2/NDF: 86.9/70



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.127+/-0.016 χ^2/NDF:437489.0/18

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.376+/-0.016 χ^2/NDF:411820.2/16

Left: 85.247+/-0.011 χ^2/NDF: 849430.2/35

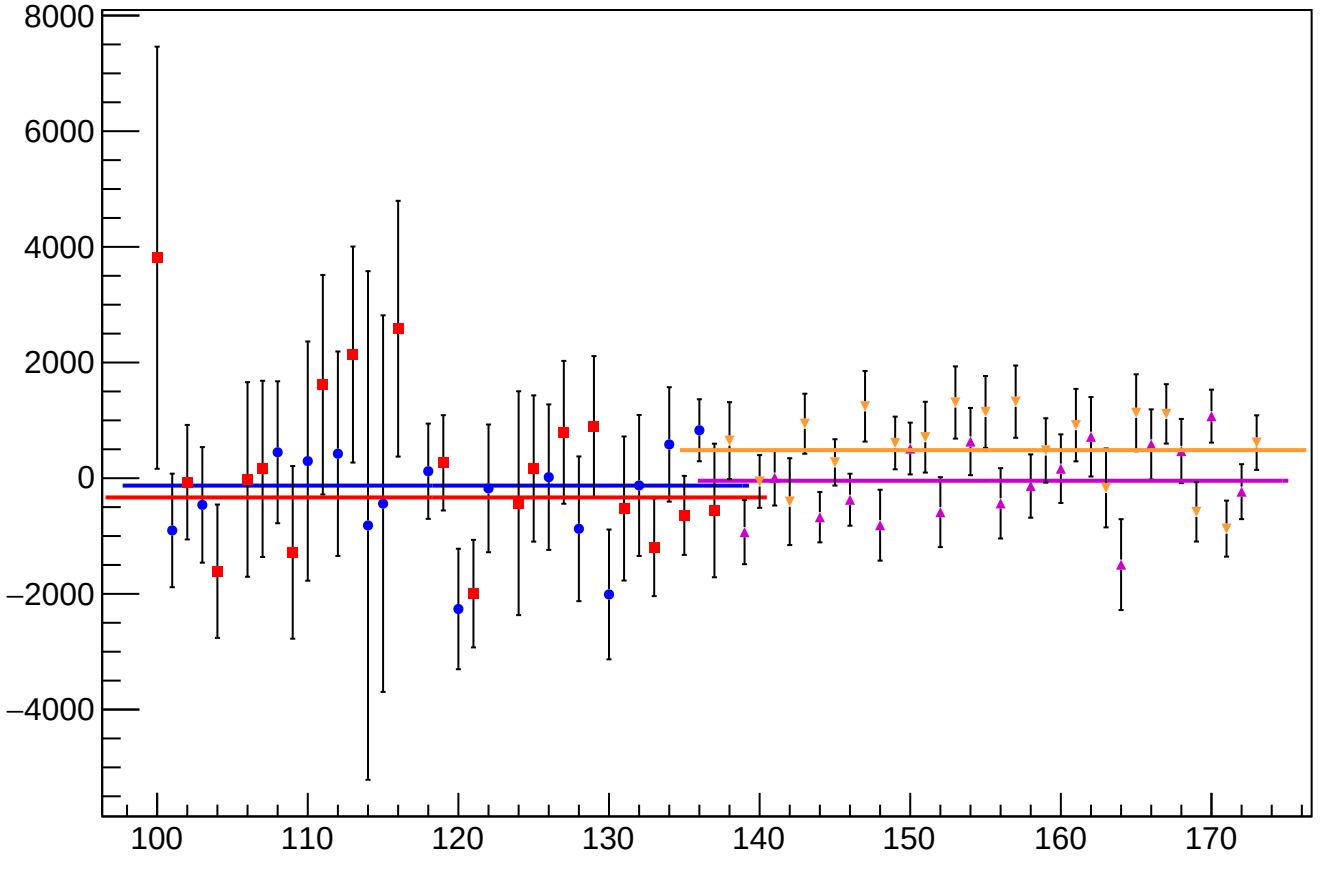
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 90.354+/-0.014 χ^2/NDF:1191576.8/32

Out: 90.503+/-0.014 χ^2/NDF:1287889.2/37

All: 90.430+/-0.010 χ^2/NDF: 2479523.3/70

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: 485.897+/-125.765 χ^2/NDF:26.4/18

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -44.066+/-130.250 χ^2/NDF:23.7/16

Left: 230.196+/-90.473 χ^2/NDF: 58.7/35

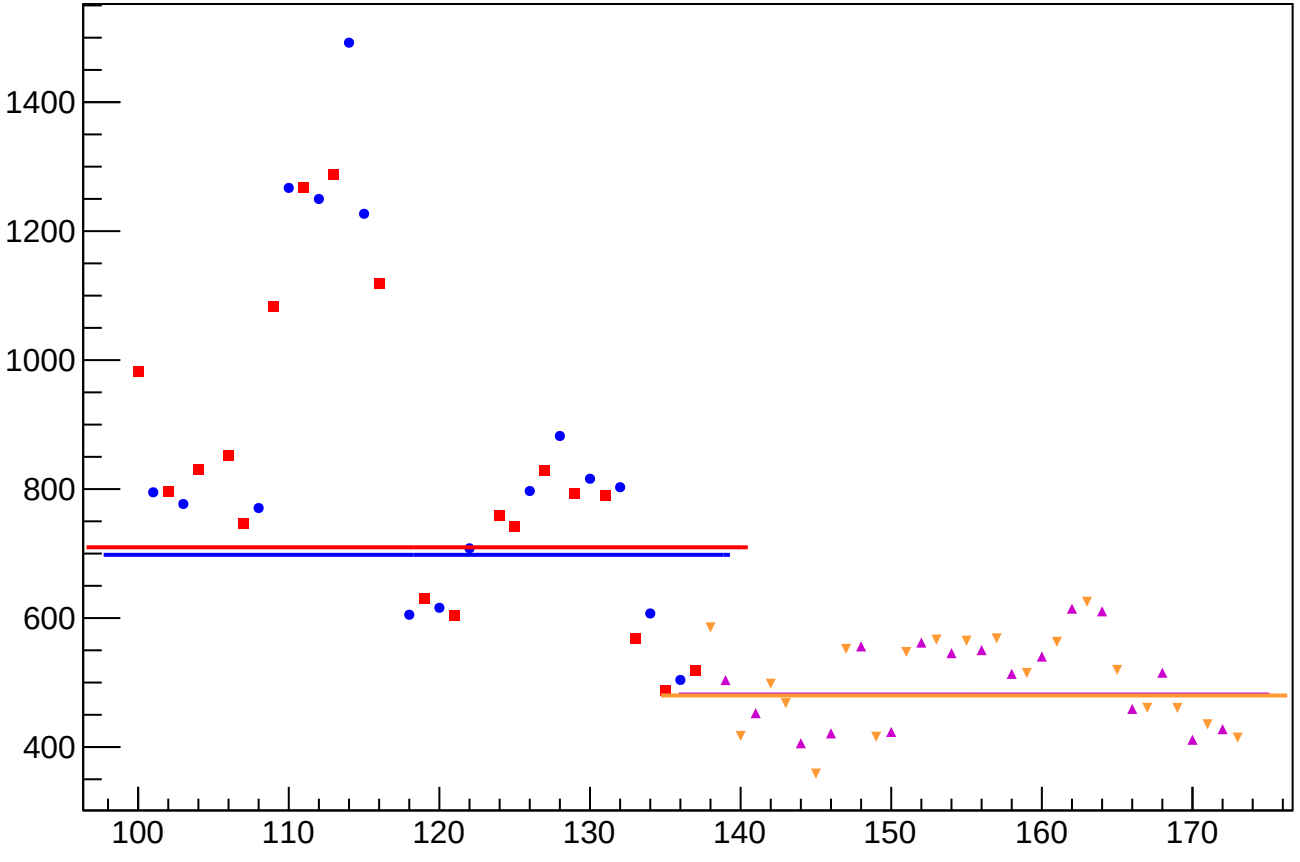
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -60.053+/-117.198 χ^2/NDF:36.1/32

Out: 340.699+/-114.067 χ^2/NDF:48.6/37

All: 145.748+/-81.742 χ^2/NDF: 90.8/70

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: 479.906+/-0.089 χ^2/NDF:683559.0/18

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 481.398+/-0.092 χ^2/NDF:493833.5/16

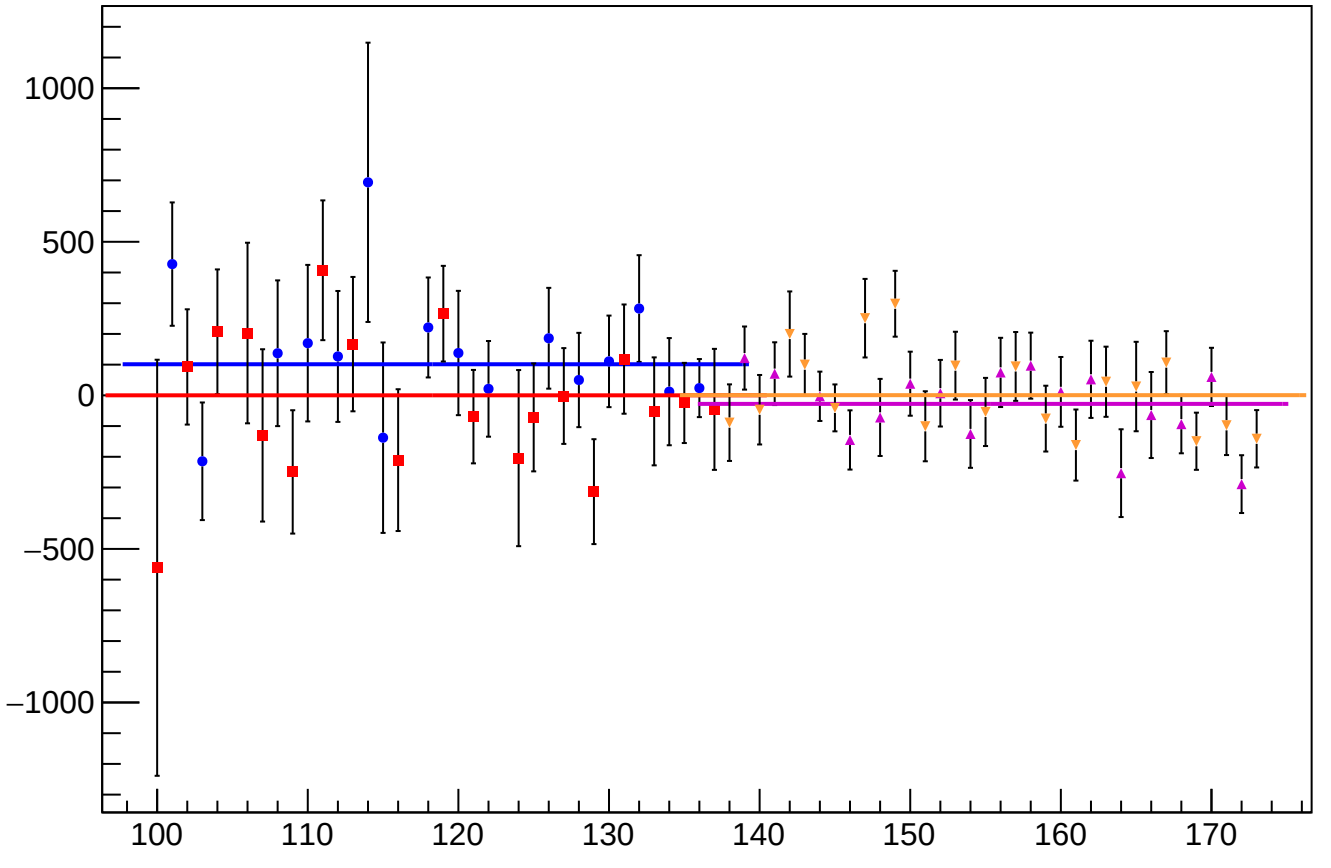
Left: 480.626+/-0.064 χ^2/NDF: 1177528.5/35

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 522.643+/-0.083 χ^2/NDF:2460141.9/32

Out: 520.676+/-0.081 χ^2/NDF:2895563.4/37

All: 521.633+/-0.058 χ^2/NDF: 5355994.6/70



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 0.608+/-24.611 χ^2/NDF:27.7/18

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -27.792+/-25.677 χ^2/NDF:20.3/16

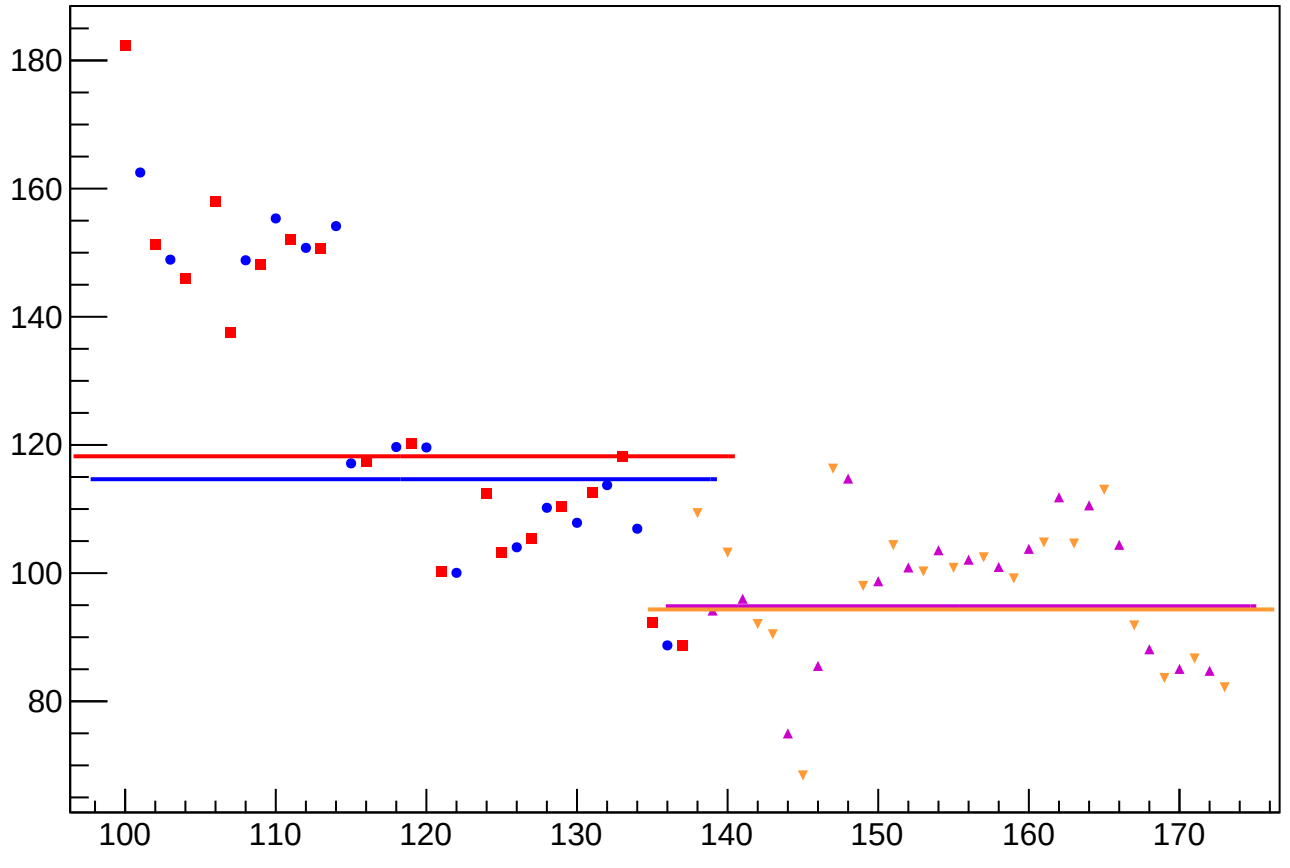
Left: -12.990+/-17.768 χ^2/NDF: 48.7/35

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 5.550+/-22.114 χ^2/NDF:37.9/32

Out: 0.493+/-21.483 χ^2/NDF:44.3/37

All: 2.949+/-15.409 χ^2/NDF: 82.2/70



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 94.332+/-0.017 χ^2/NDF:518198.8/18

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 94.829+/-0.018 χ^2/NDF:364739.9/16

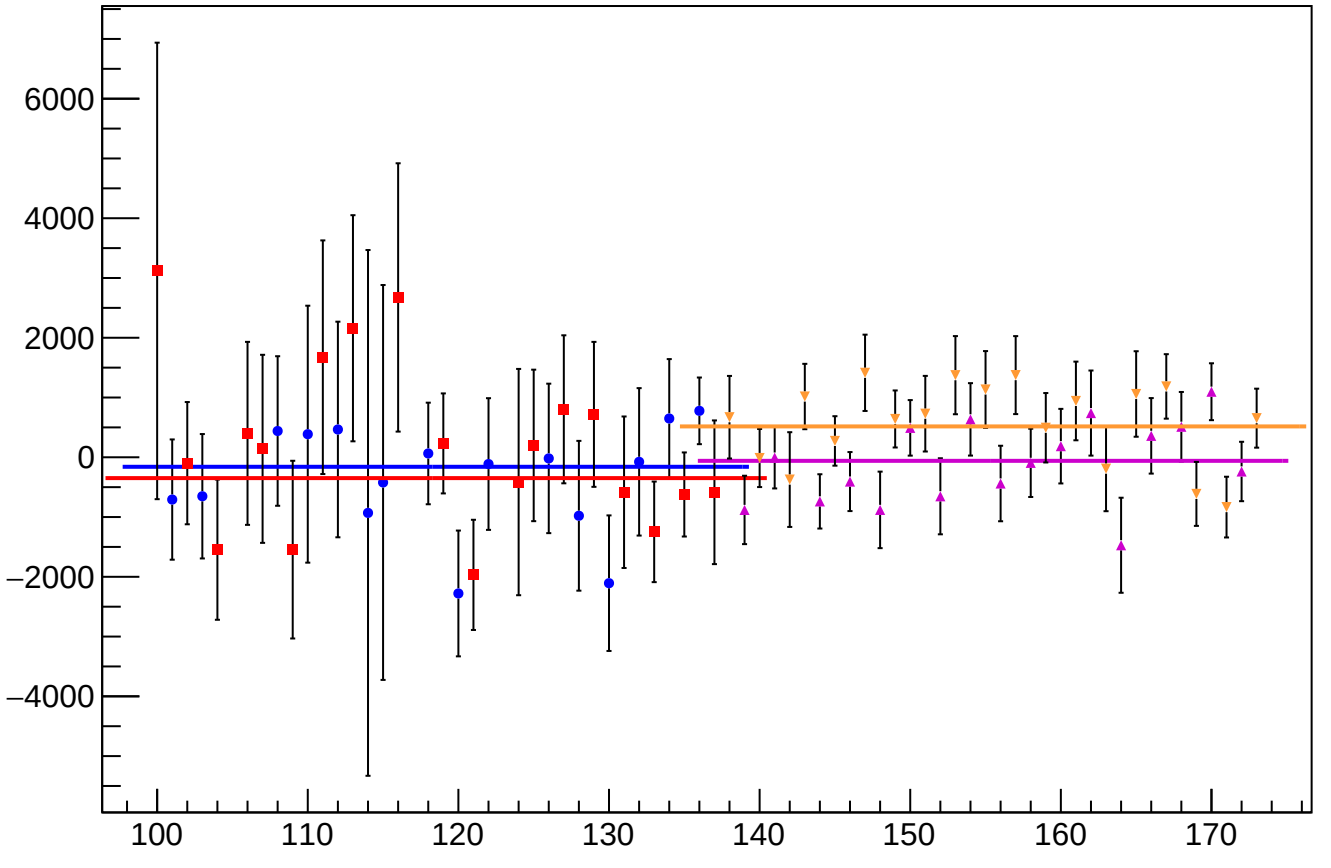
Left: 94.570+/-0.013 χ^2/NDF: 883329.1/35

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

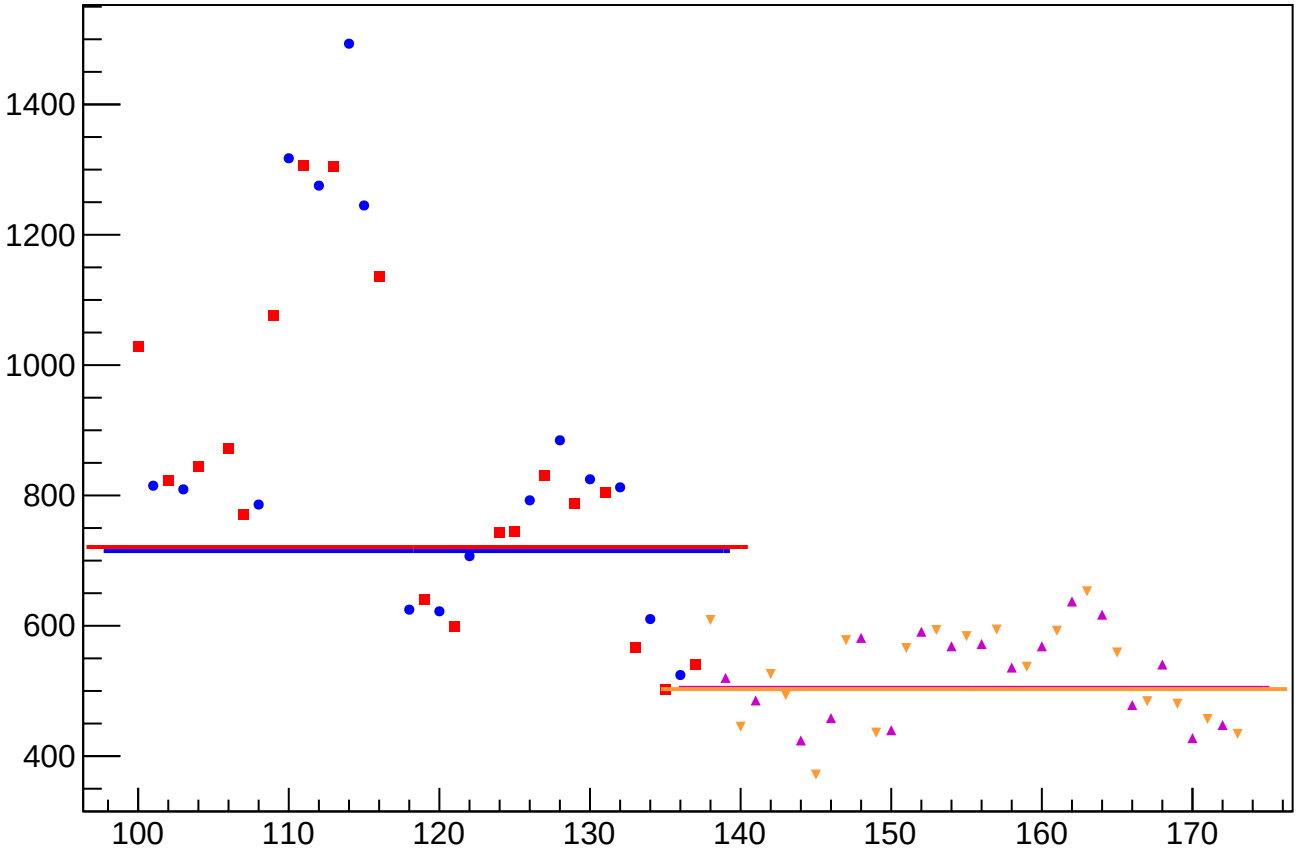
In: 99.950+/-0.016 χ^2/NDF:1204712.4/32

Out: 100.020+/-0.015 χ^2/NDF:1450488.1/37

All: 99.986+/-0.011 χ^2/NDF: 2655210.9/70


asym_sam_26_48_dd_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: -159.110+/-274.558 χ²/NDF: 12.0/15
Left Out: 516.451+/-131.697 χ²/NDF:25.3/18
Right Out: -348.528+/-273.595 χ²/NDF: 14.3/18
Left In: -59.569+/-136.549 χ²/NDF:22.4/16
Left: 238.857+/-94.792 χ²/NDF: 56.9/35
Right: -254.152+/-193.800 χ²/NDF: 26.5/34
In: -79.308+/-122.263 χ²/NDF:34.5/32
Out: 353.735+/-118.665 χ²/NDF:47.7/37
All: 143.679+/-85.152 χ²/NDF: 88.7/70

asym_sam_26_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 502.819+/-0.093 χ^2/NDF:681201.6/18

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 504.802+/-0.097 χ^2/NDF:460453.2/16

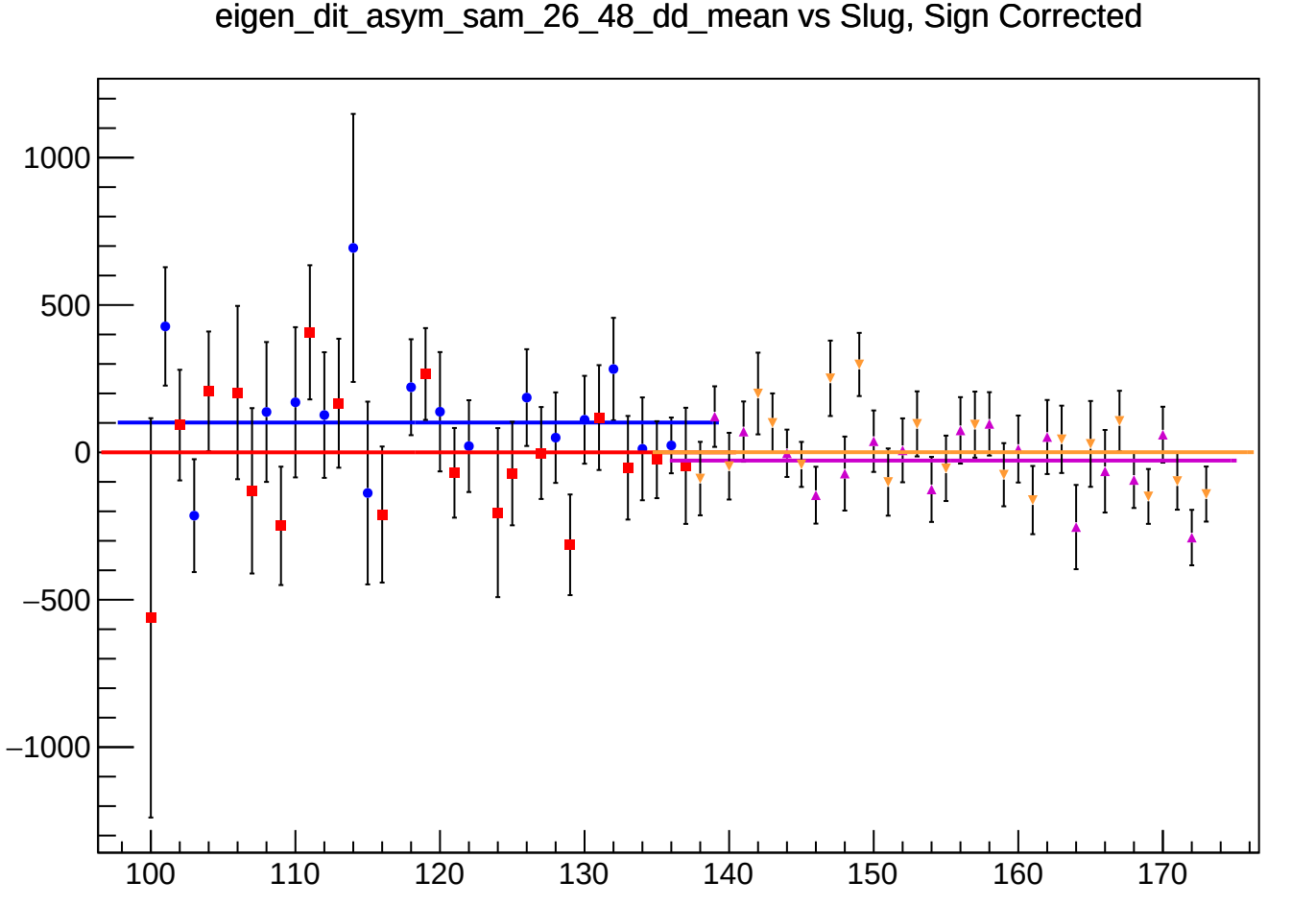
Left: 503.775+/-0.067 χ^2/NDF: 1141873.3/35

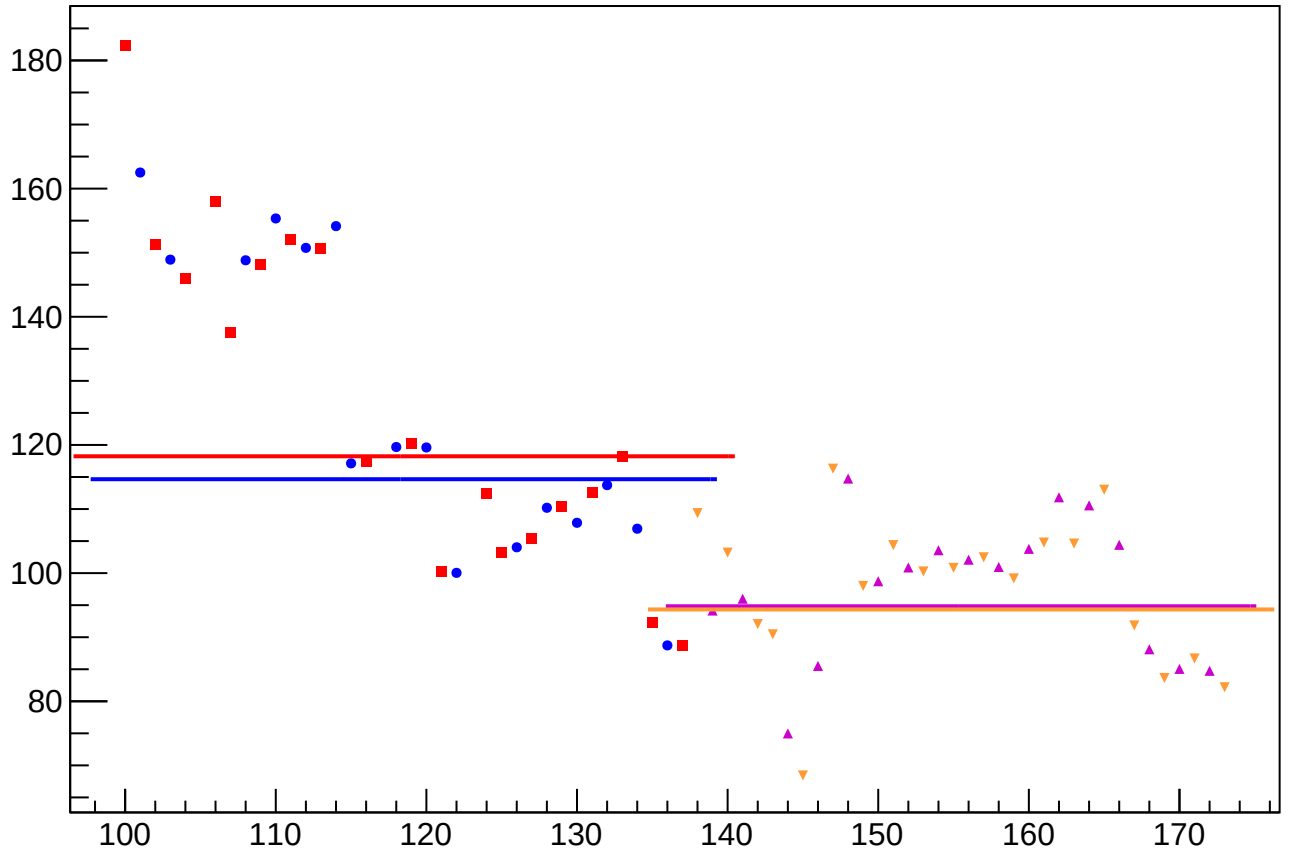
Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 546.418+/-0.086 χ^2/NDF:2273481.8/32

Out: 543.841+/-0.084 χ^2/NDF:2731167.4/37

All: 545.091+/-0.060 χ^2/NDF: 5005106.8/70


eigen_dit_asym_sam_26_48_dd_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: 101.278+/-43.510 χ²/NDF: 11.0/15
Left Out: 0.606+/-24.611 χ²/NDF:27.7/18
Right Out: 0.125+/-44.035 χ²/NDF: 16.6/18
Left In: -27.792+/-25.677 χ²/NDF:20.3/16
Left: -12.991+/-17.768 χ²/NDF: 48.7/35
Right: 51.308+/-30.950 χ²/NDF: 30.3/34
In: 5.549+/-22.114 χ²/NDF:37.9/32
Out: 0.492+/-21.483 χ²/NDF:44.3/37
All: 2.947+/-15.409 χ²/NDF: 82.2/70



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 94.332+/-0.017 χ^2/NDF:518206.1/18

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 94.829+/-0.018 χ^2/NDF:364742.0/16

Left: 94.570+/-0.013 χ^2/NDF: 883338.5/35

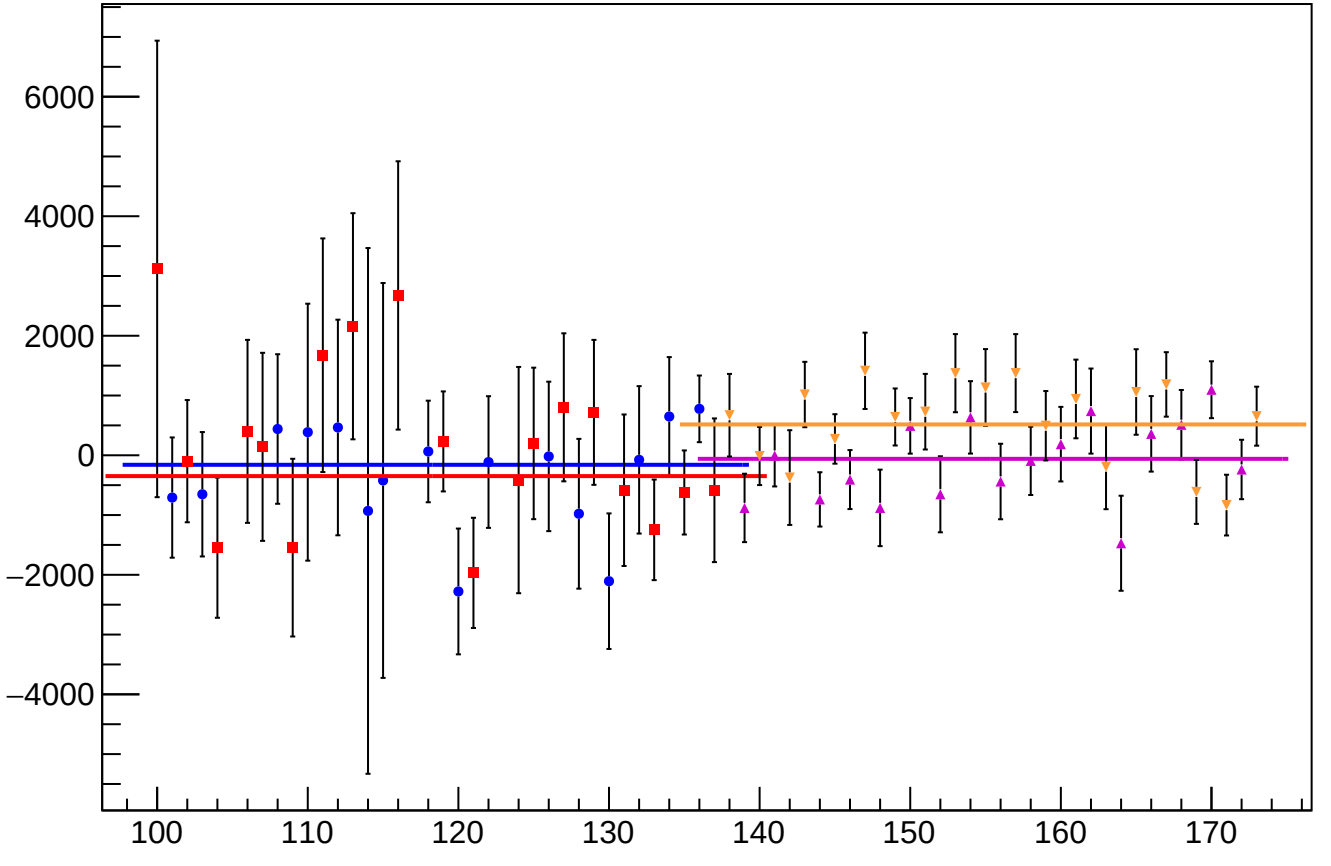
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 99.950+/-0.016 χ^2/NDF:1204705.2/32

Out: 100.020+/-0.015 χ^2/NDF:1450488.7/37

All: 99.986+/-0.011 χ^2/NDF: 2655204.3/70

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 516.450+/-131.697 χ^2/NDF:25.3/18

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -59.569+/-136.549 χ^2/NDF:22.4/16

Left: 238.856+/-94.792 χ^2/NDF: 56.9/35

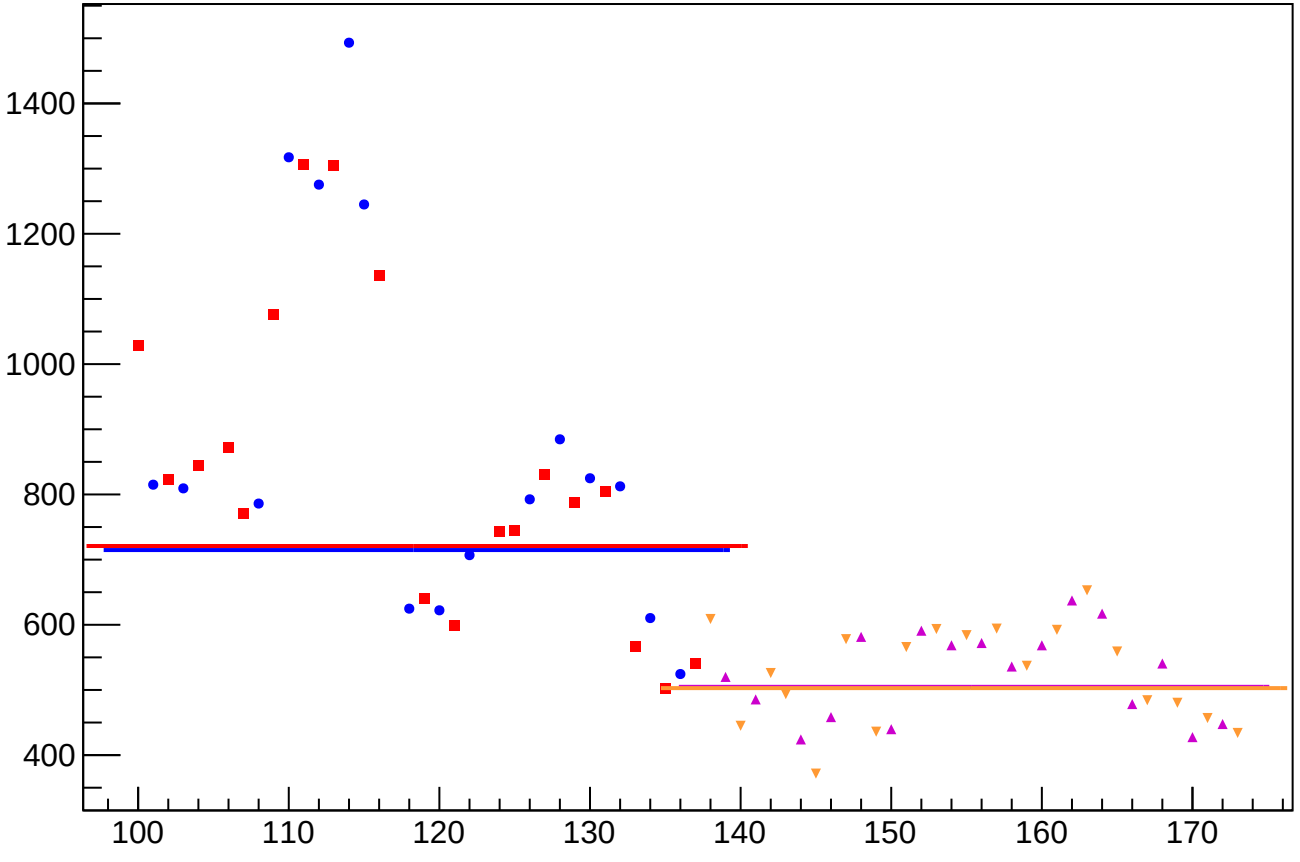
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -79.308+/-122.263 χ^2/NDF:34.5/32

Out: 353.734+/-118.665 χ^2/NDF:47.7/37

All: 143.678+/-85.152 χ^2/NDF: 88.7/70

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 502.819+/-0.093 χ^2/NDF:681203.6/18

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 504.802+/-0.097 χ^2/NDF:460452.8/16

Left: 503.775+/-0.067 χ^2/NDF: 1141875.0/35

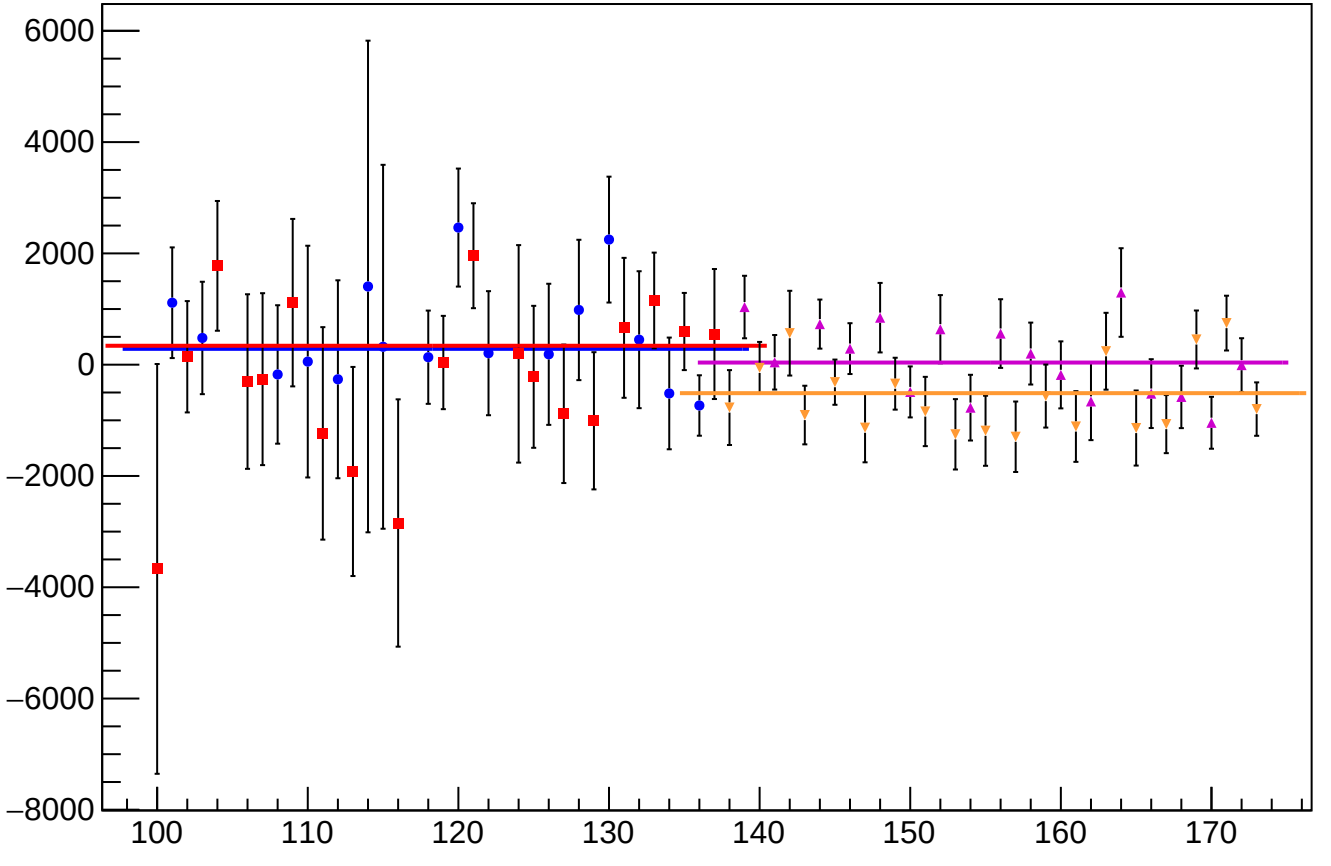
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 546.418+/-0.086 χ^2/NDF:2273476.2/32

Out: 543.841+/-0.084 χ^2/NDF:2731161.8/37

All: 545.091+/-0.060 χ^2/NDF: 5005095.6/70

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -511.772+/-127.833 χ^2/NDF:23.8/18

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 38.204+/-132.392 χ^2/NDF:23.6/16

Left: -246.416+/-91.961 χ^2/NDF: 56.3/35

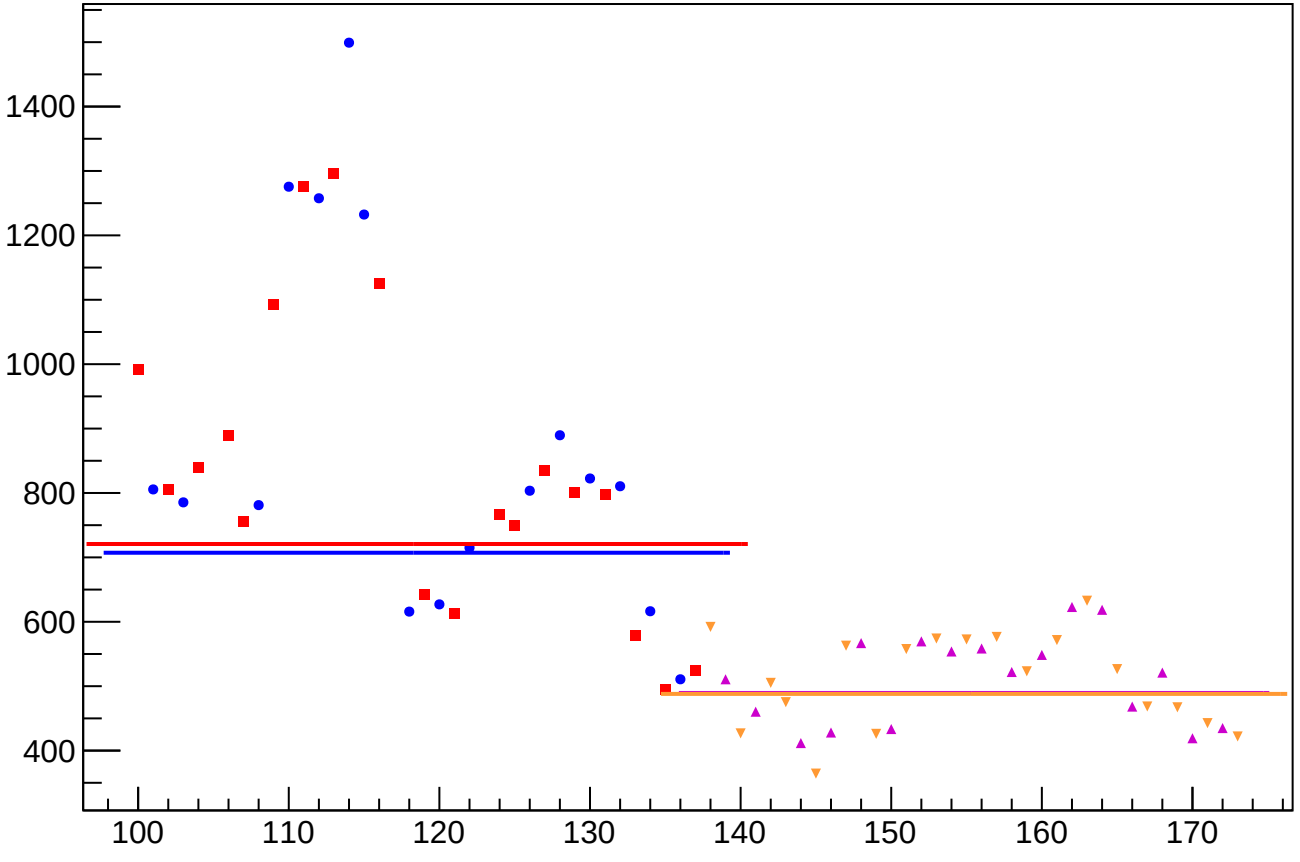
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 85.447+/-119.035 χ^2/NDF:37.1/32

Out: -359.146+/-115.816 χ^2/NDF:45.8/37

All: -142.943+/-83.009 χ^2/NDF: 90.0/70

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 488.019+/-0.090 χ^2/NDF:669227.7/18

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 489.474+/-0.094 χ^2/NDF:483801.8/16

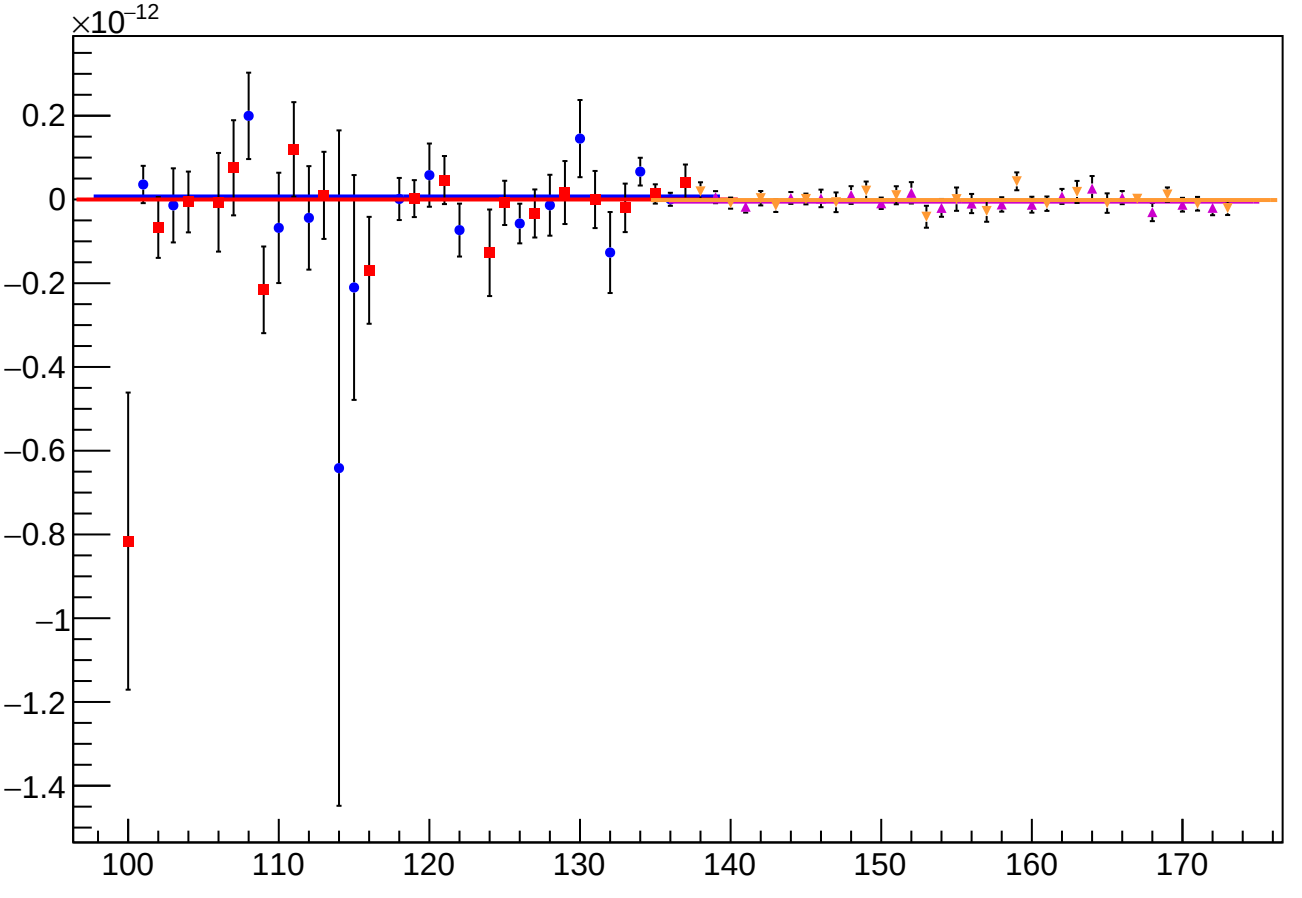
Left: 488.721+/-0.065 χ^2/NDF: 1153154.6/35

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 531.192+/-0.084 χ^2/NDF:2416956.2/32

Out: 529.725+/-0.082 χ^2/NDF:2872604.1/37

All: 530.439+/-0.059 χ^2/NDF: 5289716.3/70



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.4/18

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/16

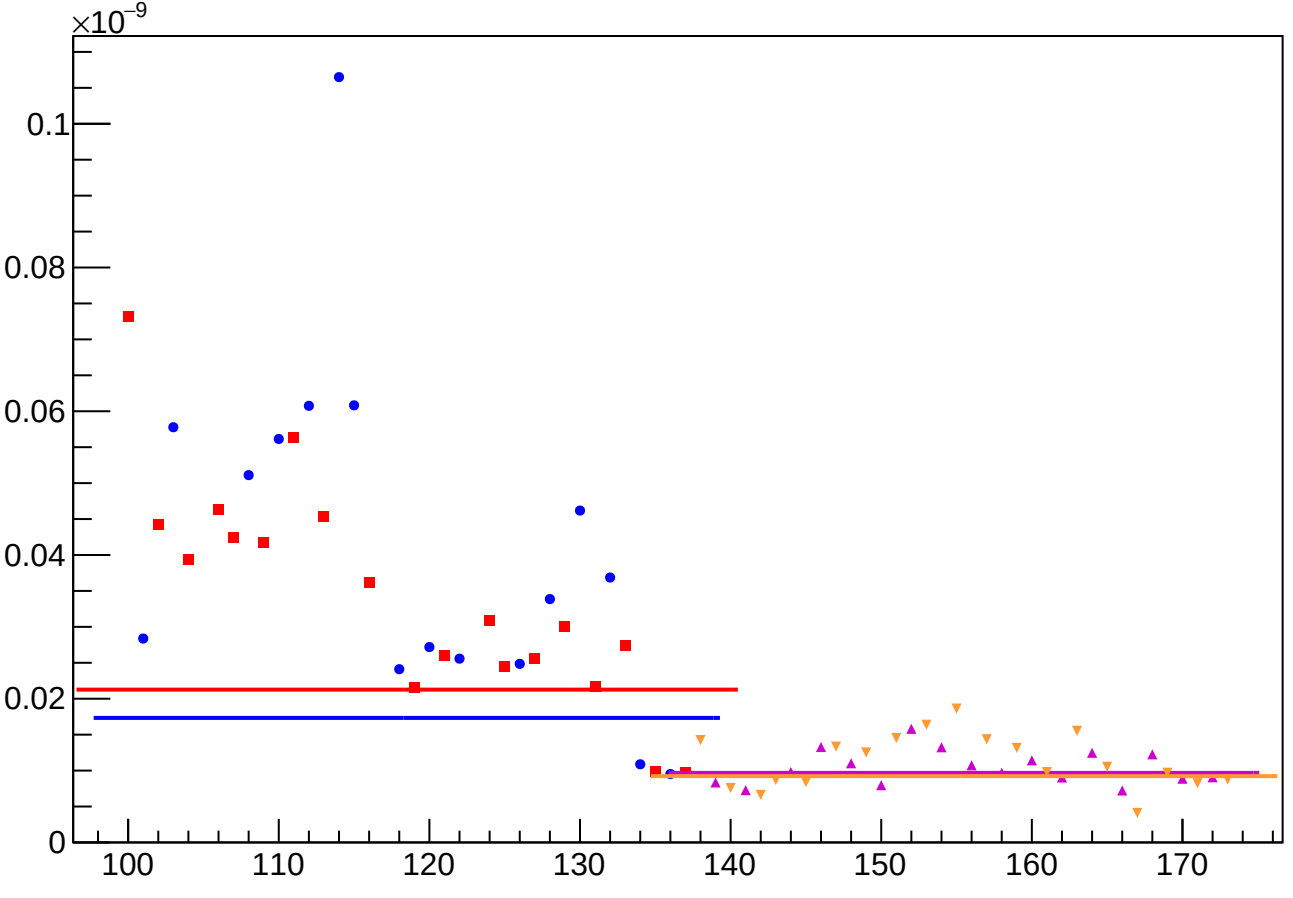
Left: -0.000+/-0.000 χ^2/NDF: 22.9/35

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:26.4/32

Out: -0.000+/-0.000 χ^2/NDF:32.2/37

All: -0.000+/-0.000 χ^2/NDF: 58.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1686831.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:470154.0/16

Left: 0.000+/-0.000 χ^2/NDF: 2168993.4/35

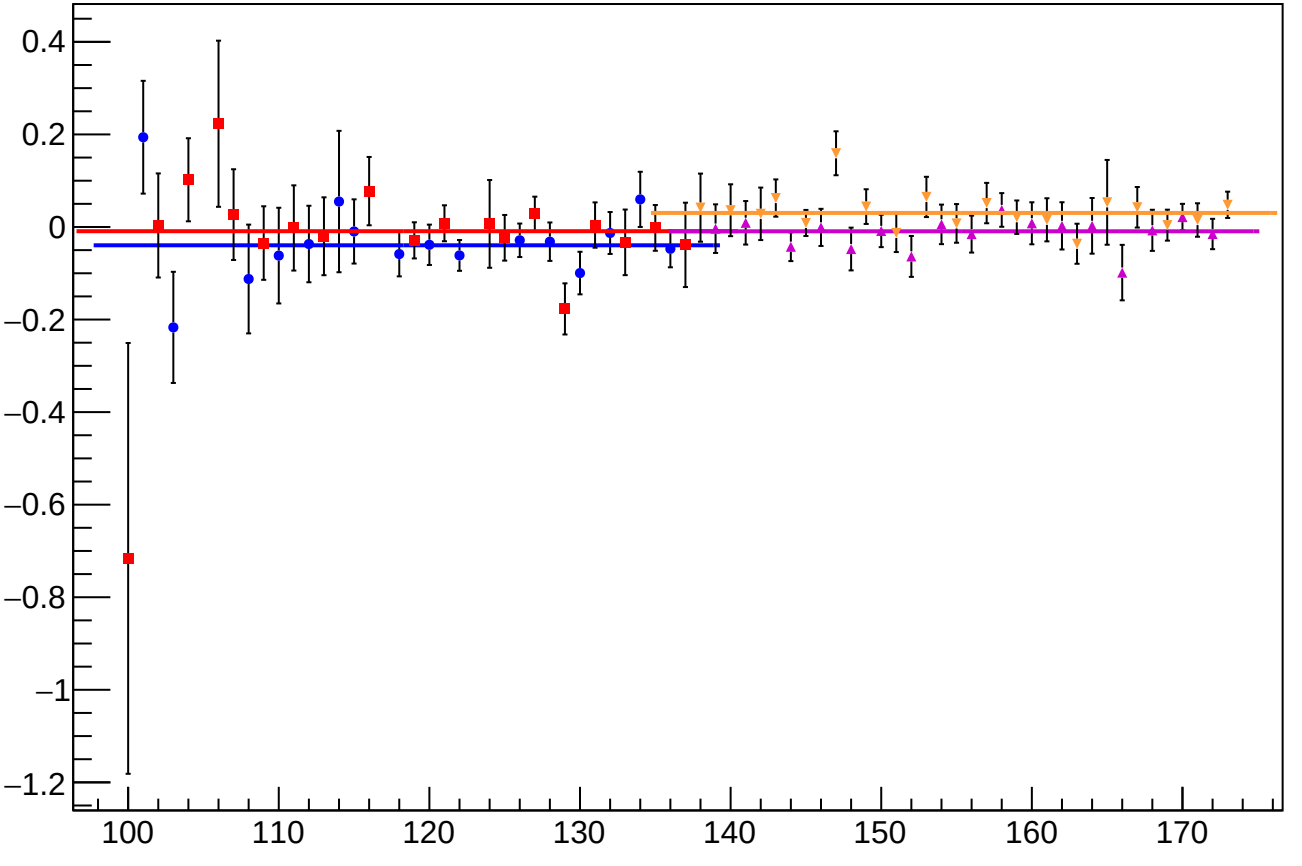
Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3617151.3/32

Out: 0.000+/-0.000 χ^2/NDF:4841289.9/37

All: 0.000+/-0.000 χ^2/NDF: 8470018.7/70

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.030+/-0.009 χ^2/NDF:14.9/18

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:9.0/16

Left: 0.012+/-0.007 χ^2/NDF: 32.3/35

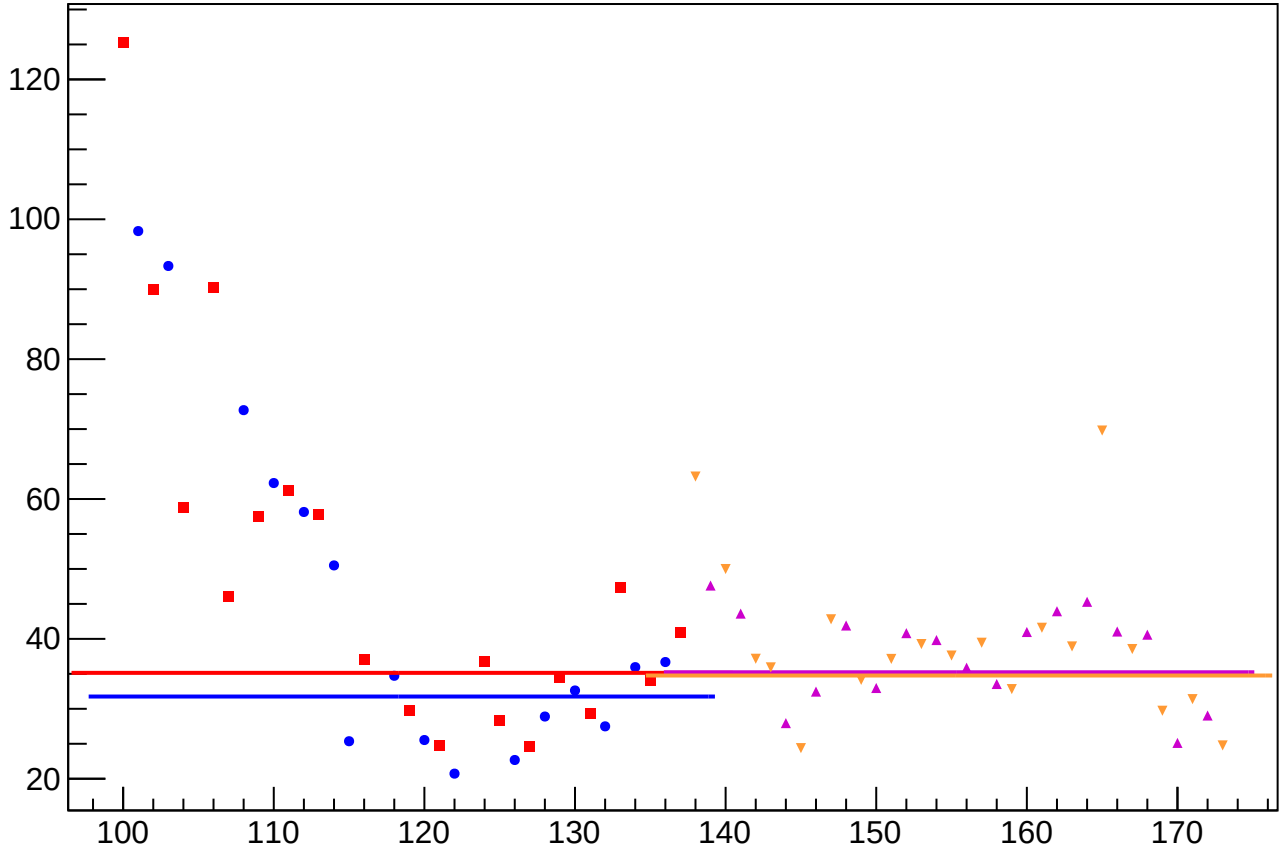
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:24.8/32

Out: 0.018+/-0.008 χ^2/NDF:38.6/37

All: -0.001+/-0.006 χ^2/NDF: 75.4/70

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 34.761+/-0.007 χ^2/NDF:1527253.8/18

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.224+/-0.007 χ^2/NDF:921041.6/16

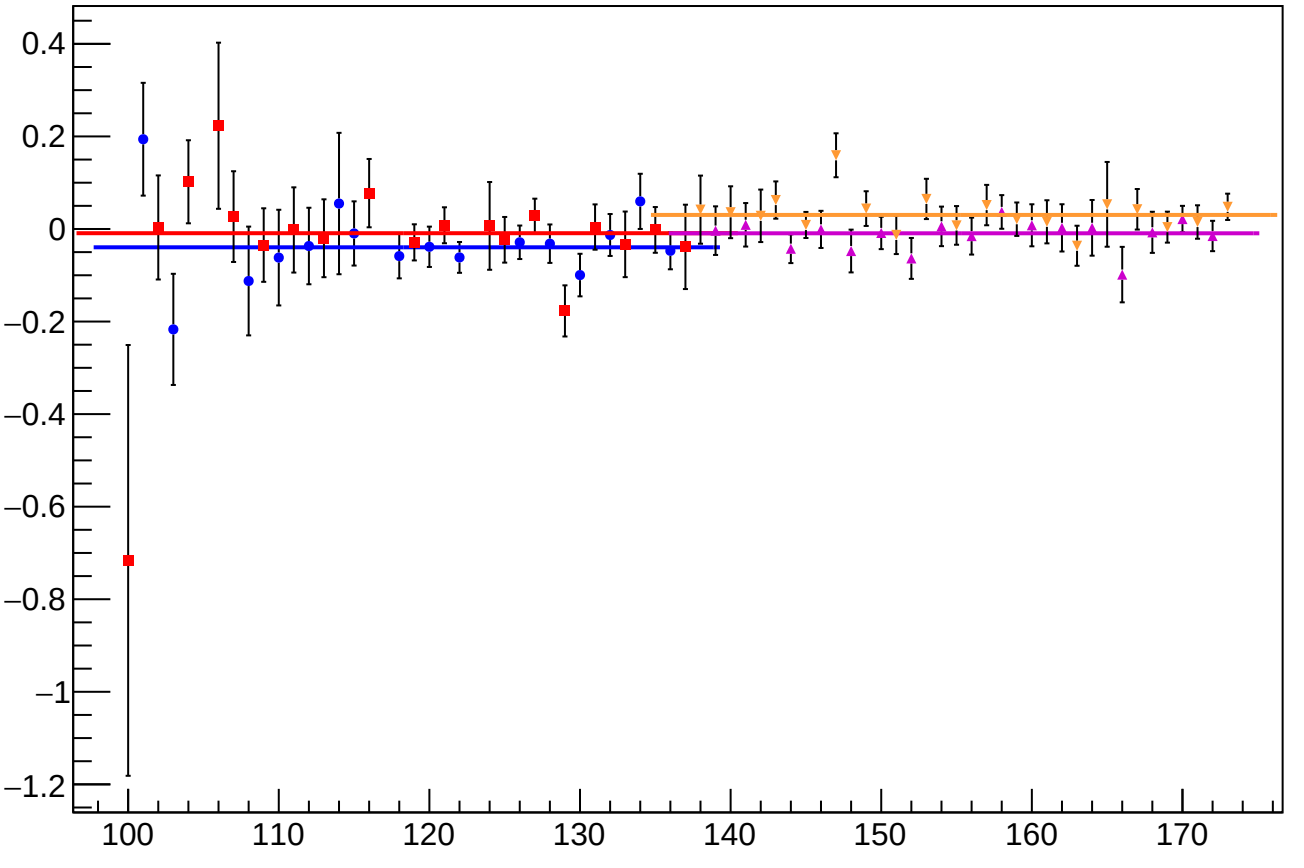
Left: 34.981+/-0.005 χ^2/NDF: 2450615.3/35

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 33.978+/-0.006 χ^2/NDF:3262426.8/32

Out: 34.876+/-0.006 χ^2/NDF:3372923.9/37

All: 34.431+/-0.004 χ^2/NDF: 6648434.5/70



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.030+/-0.009 χ^2/NDF:14.9/18

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:9.0/16

Left: 0.012+/-0.007 χ^2/NDF: 32.3/35

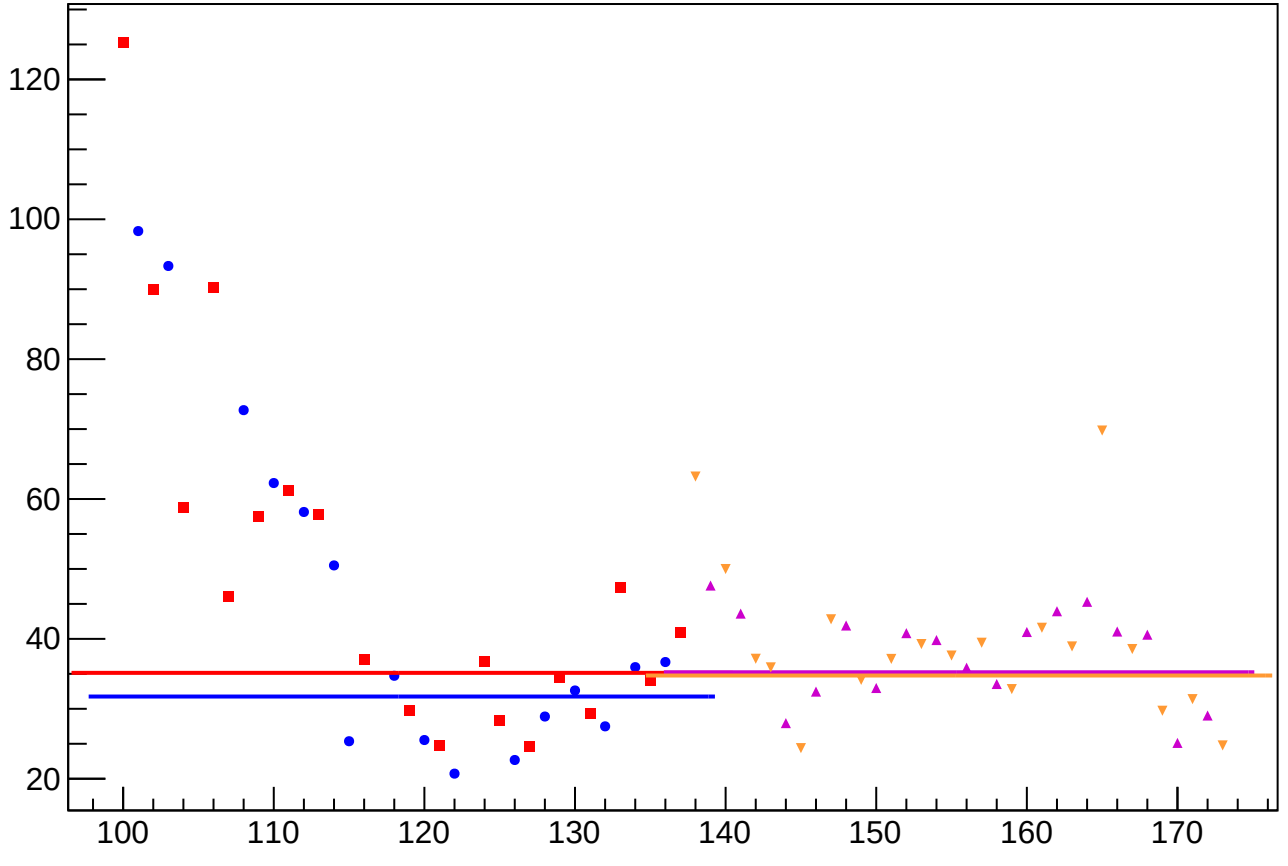
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:24.8/32

Out: 0.018+/-0.008 χ^2/NDF:38.6/37

All: -0.001+/-0.006 χ^2/NDF: 75.4/70

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: 34.761+/-0.007 χ^2/NDF:1527253.8/18

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.224+/-0.007 χ^2/NDF:921041.6/16

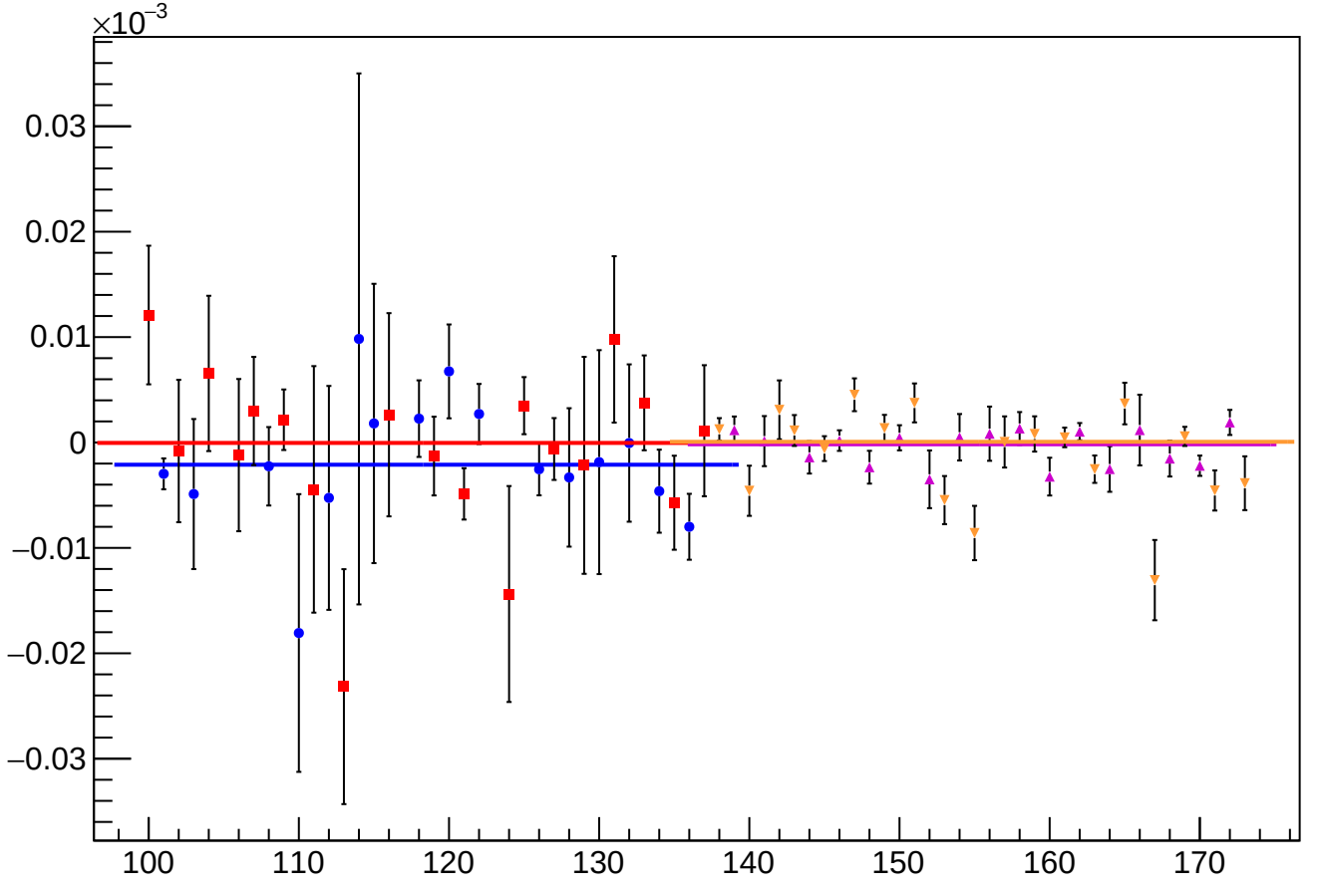
Left: 34.981+/-0.005 χ^2/NDF: 2450615.3/35

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 33.978+/-0.006 χ^2/NDF:3262426.8/32

Out: 34.876+/-0.006 χ^2/NDF:3372923.9/37

All: 34.431+/-0.004 χ^2/NDF: 6648434.5/70



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:65.7/18

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:21.3/16

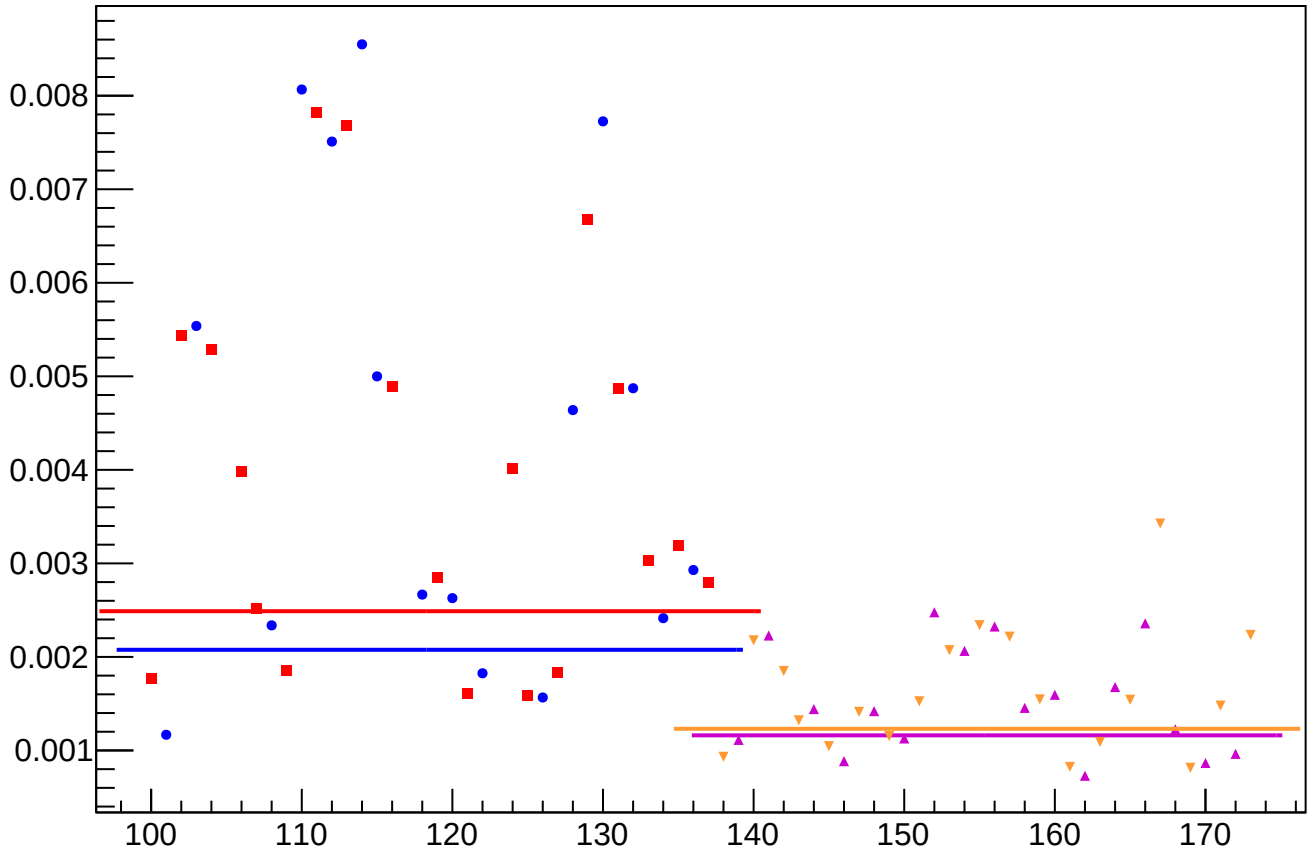
Left: -0.000+/-0.000 χ^2/NDF: 87.3/35

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:40.0/32

Out: 0.000+/-0.000 χ^2/NDF:87.1/37

All: -0.000+/-0.000 χ^2/NDF: 128.1/70



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:3641810.1/18

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:3261524.2/16

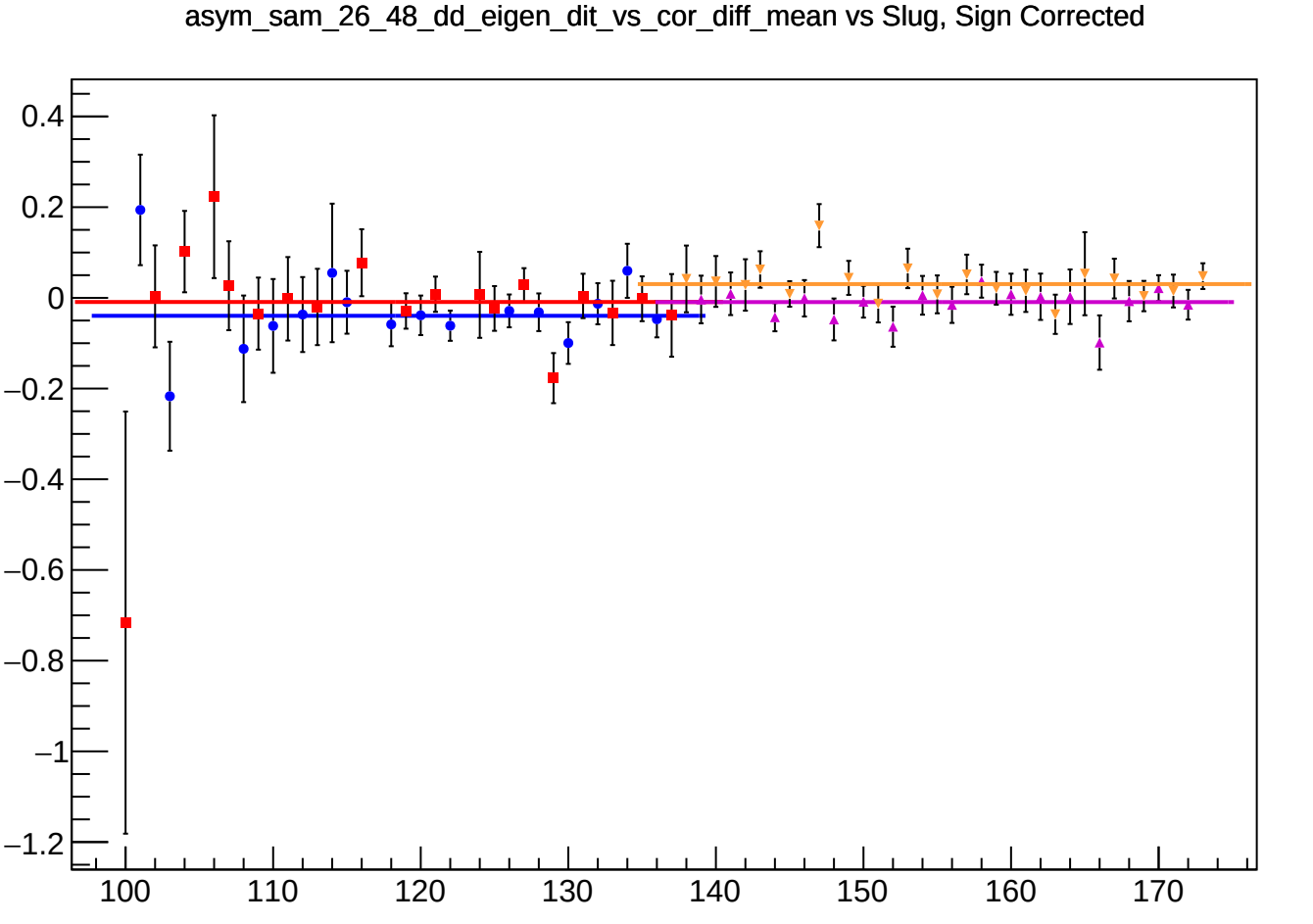
Left: 0.001+/-0.000 χ^2/NDF: 6944736.7/35

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:8950560.7/32

Out: 0.001+/-0.000 χ^2/NDF:9353746.9/37

All: 0.001+/-0.000 χ^2/NDF: 18367834.1/70



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.030+/-0.009 χ^2/NDF:14.9/18

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:9.0/16

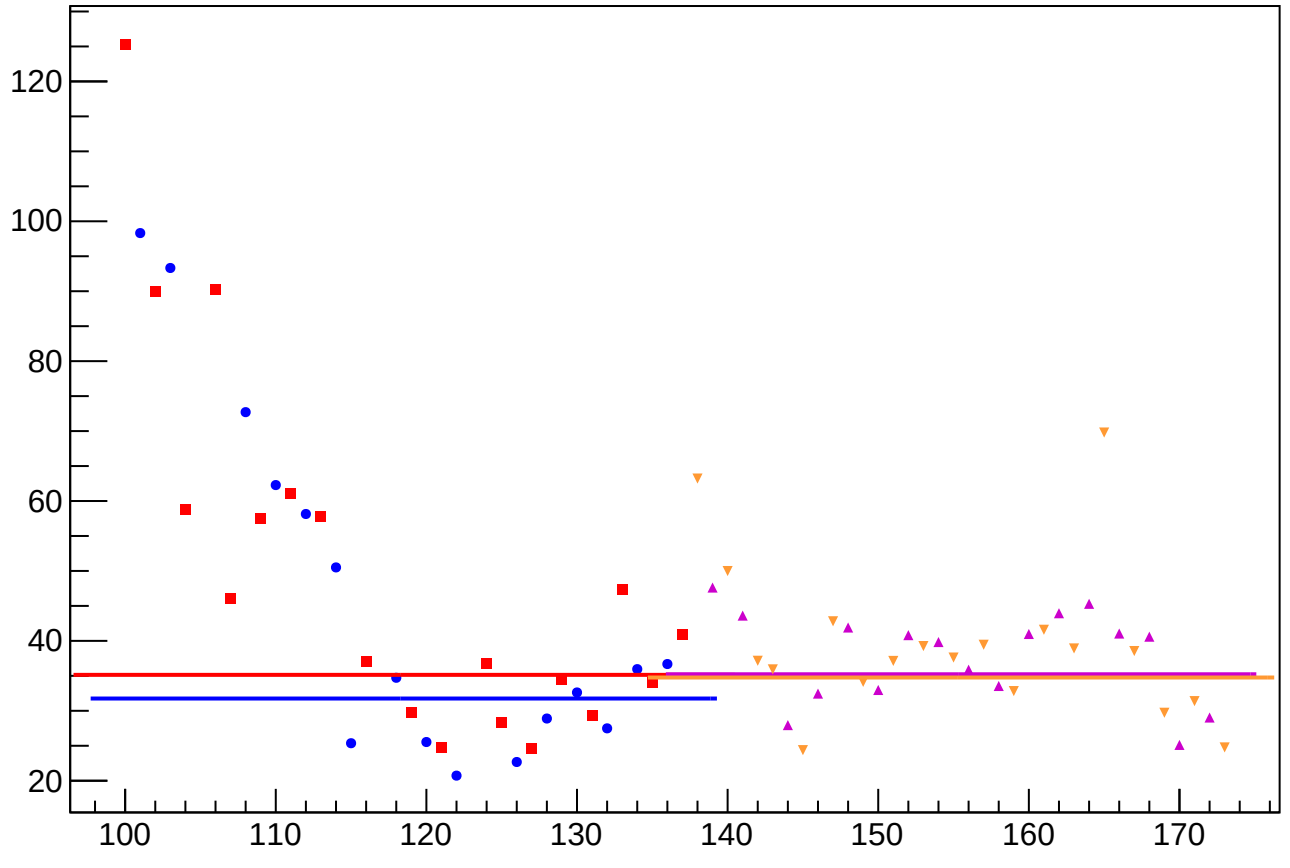
Left: 0.012+/-0.007 χ^2/NDF: 32.3/35

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:24.8/32

Out: 0.018+/-0.008 χ^2/NDF:38.6/37

All: -0.001+/-0.006 χ^2/NDF: 75.4/70



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 34.761+/-0.007 χ^2/NDF:1527287.9/18

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.224+/-0.007 χ^2/NDF:921057.4/16

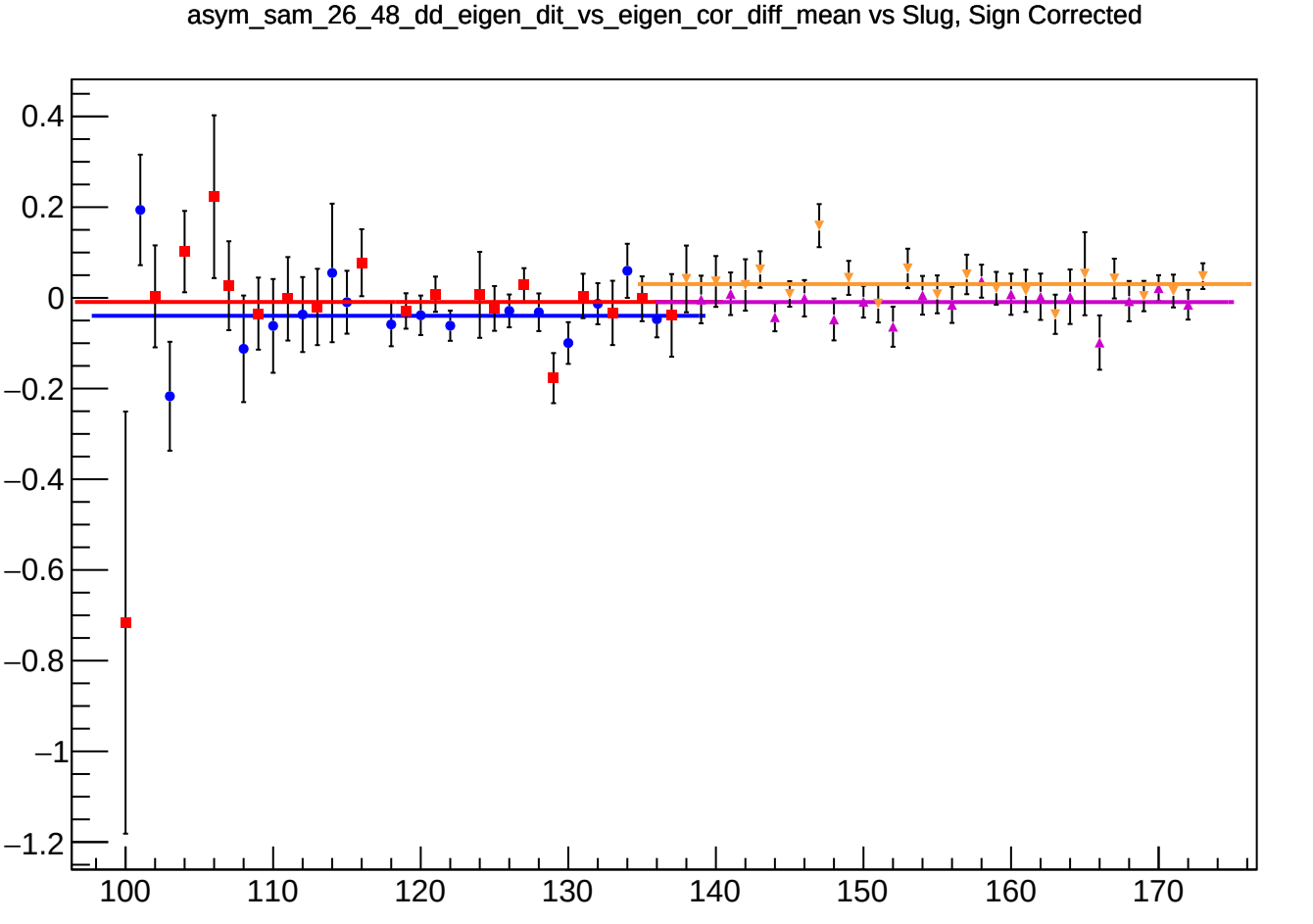
Left: 34.981+/-0.005 χ^2/NDF: 2450664.9/35

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 33.978+/-0.006 χ^2/NDF:3262394.8/32

Out: 34.876+/-0.006 χ^2/NDF:3372856.7/37

All: 34.431+/-0.004 χ^2/NDF: 6648335.6/70



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.030+/-0.009 χ^2/NDF:14.9/18

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:9.0/16

Left: 0.012+/-0.007 χ^2/NDF: 32.3/35

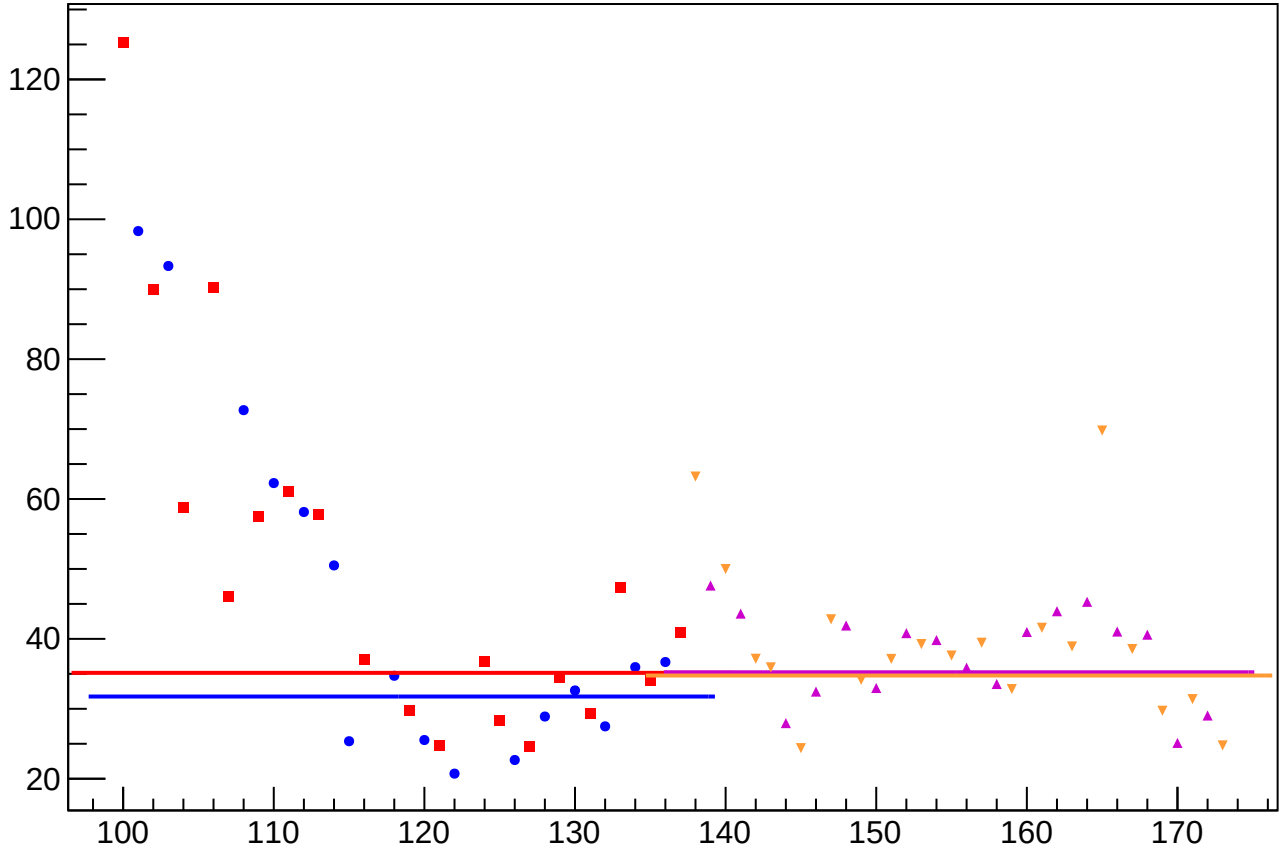
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:24.8/32

Out: 0.018+/-0.008 χ^2/NDF:38.6/37

All: -0.001+/-0.006 χ^2/NDF: 75.4/70

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: 34.761+/-0.007 χ^2/NDF:1527287.9/18

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.224+/-0.007 χ^2/NDF:921057.4/16

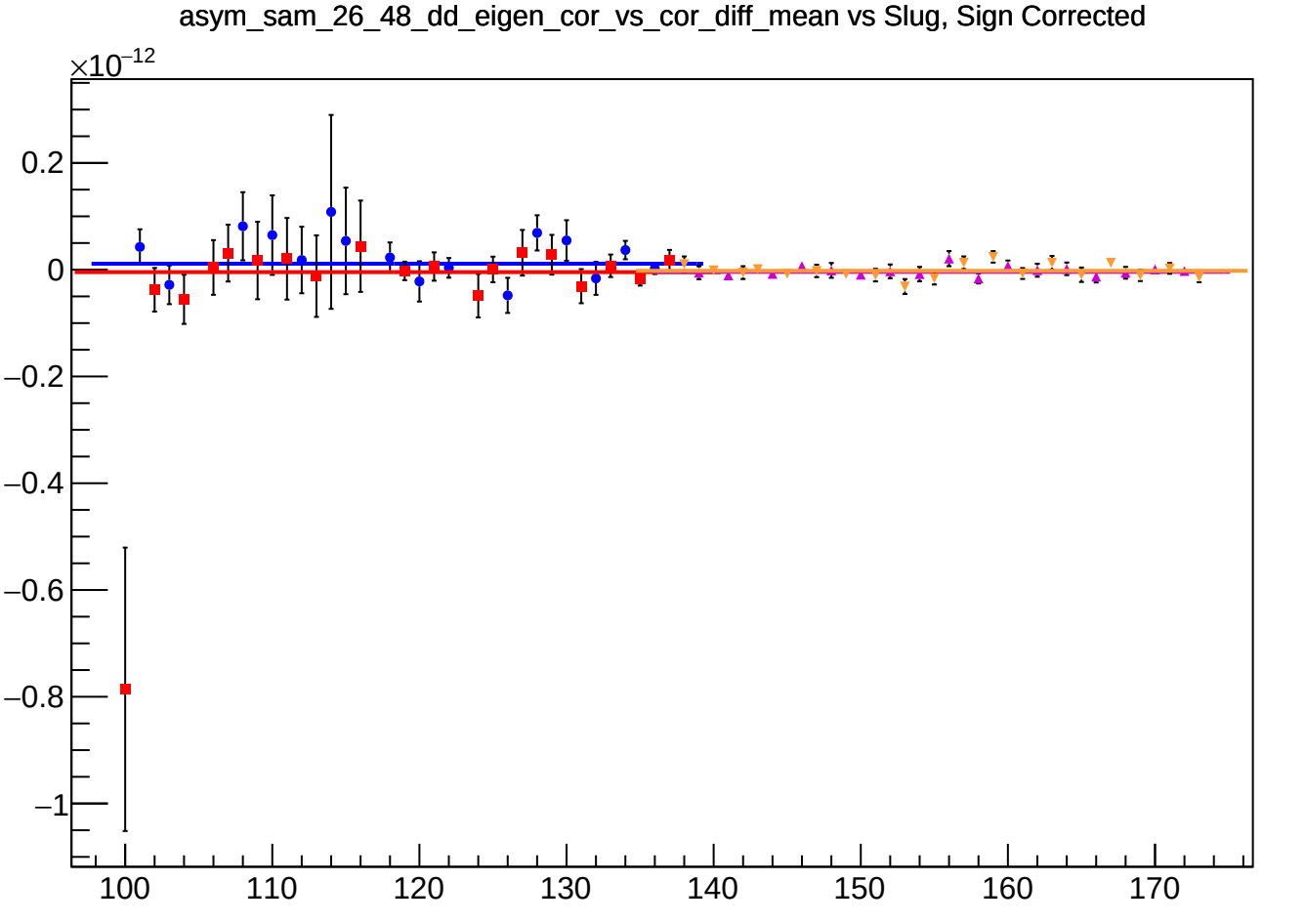
Left: 34.981+/-0.005 χ^2/NDF: 2450664.9/35

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 33.978+/-0.006 χ^2/NDF:3262394.8/32

Out: 34.876+/-0.006 χ^2/NDF:3372856.7/37

All: 34.431+/-0.004 χ^2/NDF: 6648335.6/70



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:10.6/16

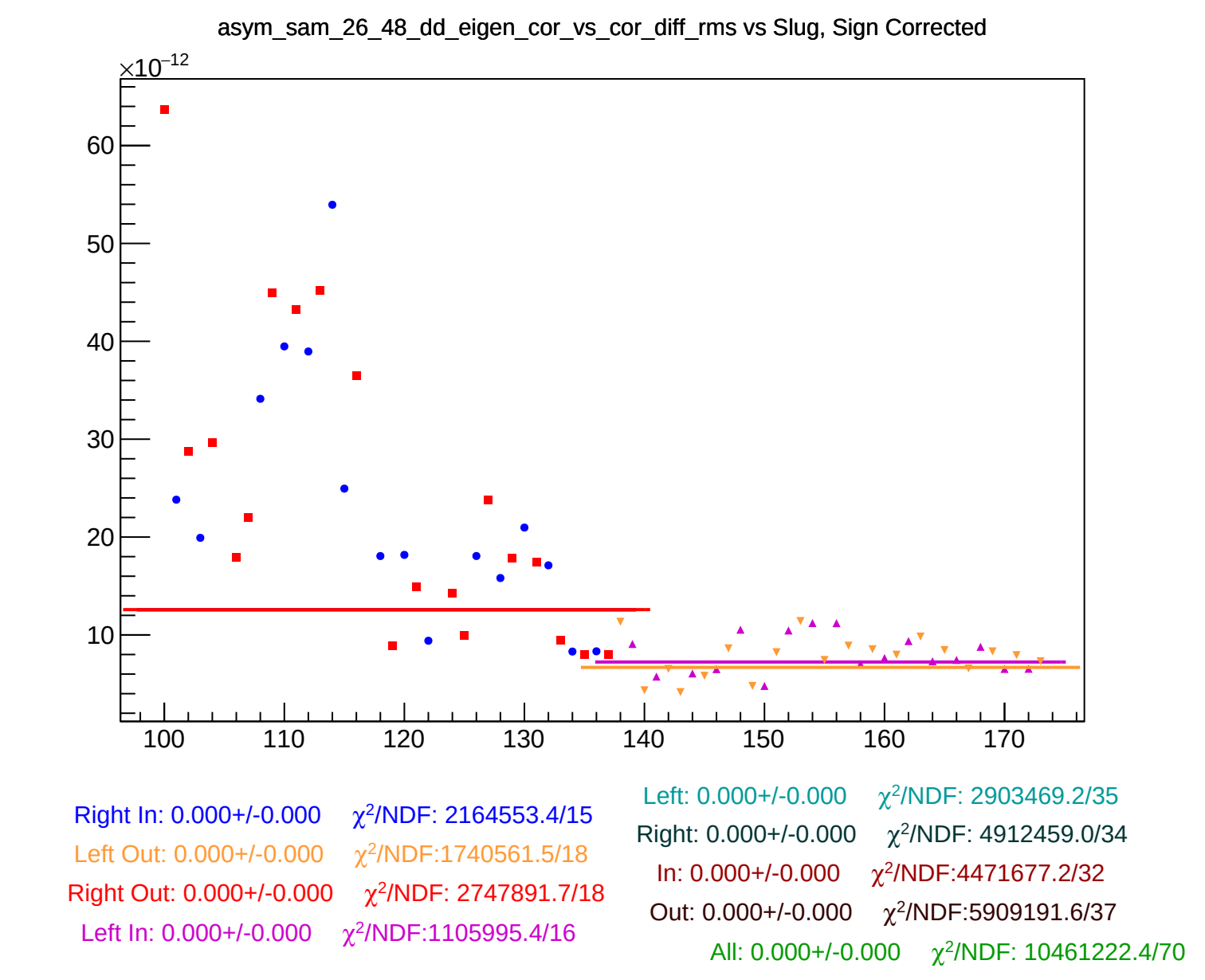
Left: -0.000+/-0.000 χ^2/NDF: 34.2/35

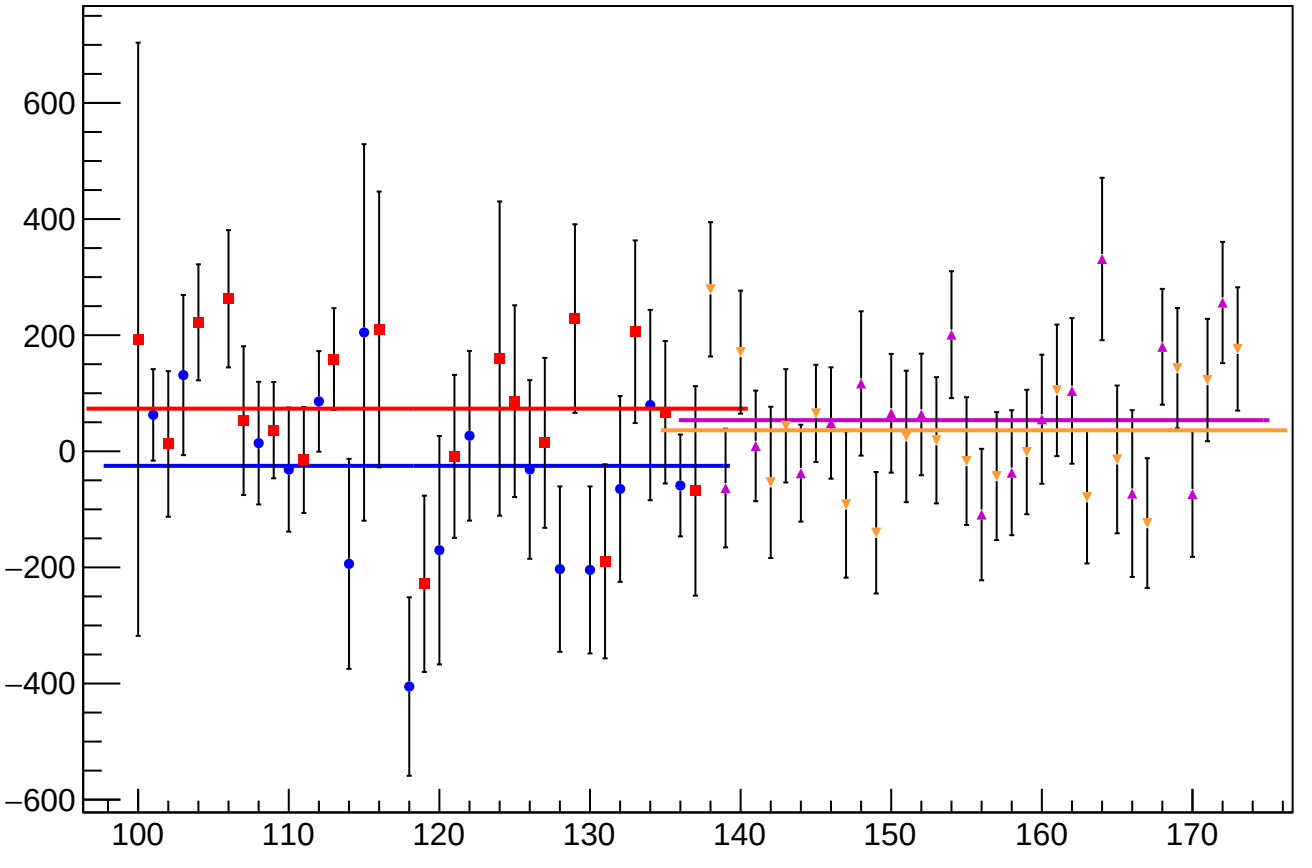
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:32.4/32

Out: -0.000+/-0.000 χ^2/NDF:40.8/37

All: -0.000+/-0.000 χ^2/NDF: 73.2/70


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
170
Right In: 0.000+/-0.000 χ²/NDF: 2164553.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1740561.5/18
Right Out: 0.000+/-0.000 χ²/NDF: 2747891.7/18
Left In: 0.000+/-0.000 χ²/NDF:1105995.4/16
Left: 0.000+/-0.000 χ²/NDF: 2903469.2/35
Right: 0.000+/-0.000 χ²/NDF: 4912459.0/34
In: 0.000+/-0.000 χ²/NDF:4471677.2/32
Out: 0.000+/-0.000 χ²/NDF:5909191.6/37
All: 0.000+/-0.000 χ²/NDF: 10461222.4/70



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 36.182+/-24.940 χ^2/NDF:18.5/18

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 53.646+/-25.998 χ^2/NDF:19.2/16

Left: 44.551+/-17.998 χ^2/NDF: 37.9/35

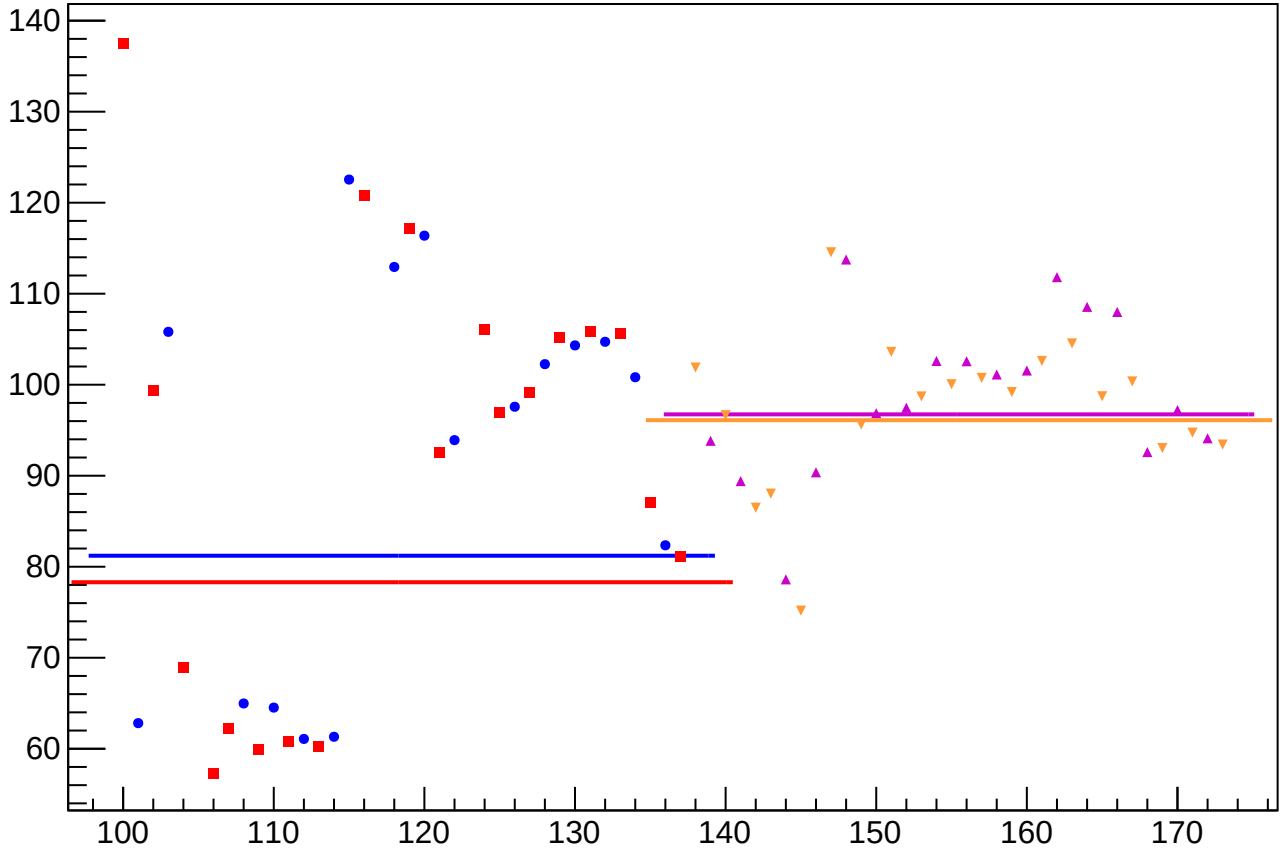
Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: 21.424+/-19.981 χ^2/NDF:39.2/32

Out: 51.455+/-19.161 χ^2/NDF:36.2/37

All: 37.068+/-13.830 χ^2/NDF: 76.5/70

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 96.101+/-0.018 χ^2/NDF:239835.5/18

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 96.742+/-0.018 χ^2/NDF:232728.2/16

Left: 96.408+/-0.013 χ^2/NDF: 473196.9/35

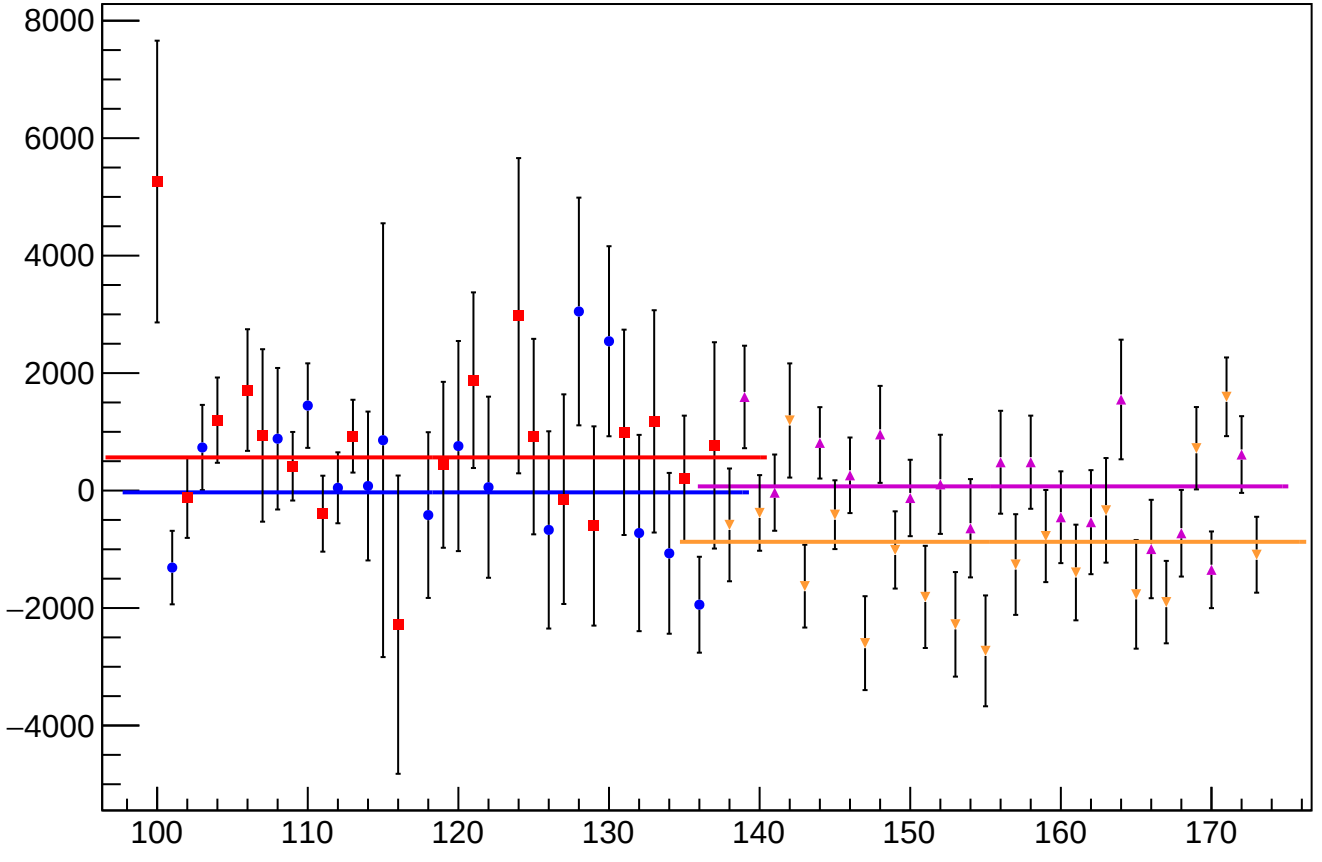
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 90.384+/-0.014 χ^2/NDF:1312633.8/32

Out: 88.807+/-0.014 χ^2/NDF:1592078.7/37

All: 89.562+/-0.010 χ^2/NDF: 2911206.7/70

asym_sam_1548_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -30.407+/-256.999 χ^2/NDF: 21.9/15

Left Out: -872.372+/-174.934 χ^2/NDF:42.1/18

Right Out: 564.890+/-238.492 χ^2/NDF: 13.3/18

Left In: 71.418+/-181.992 χ^2/NDF:18.4/16

Left: -419.131+/-126.119 χ^2/NDF: 74.4/35

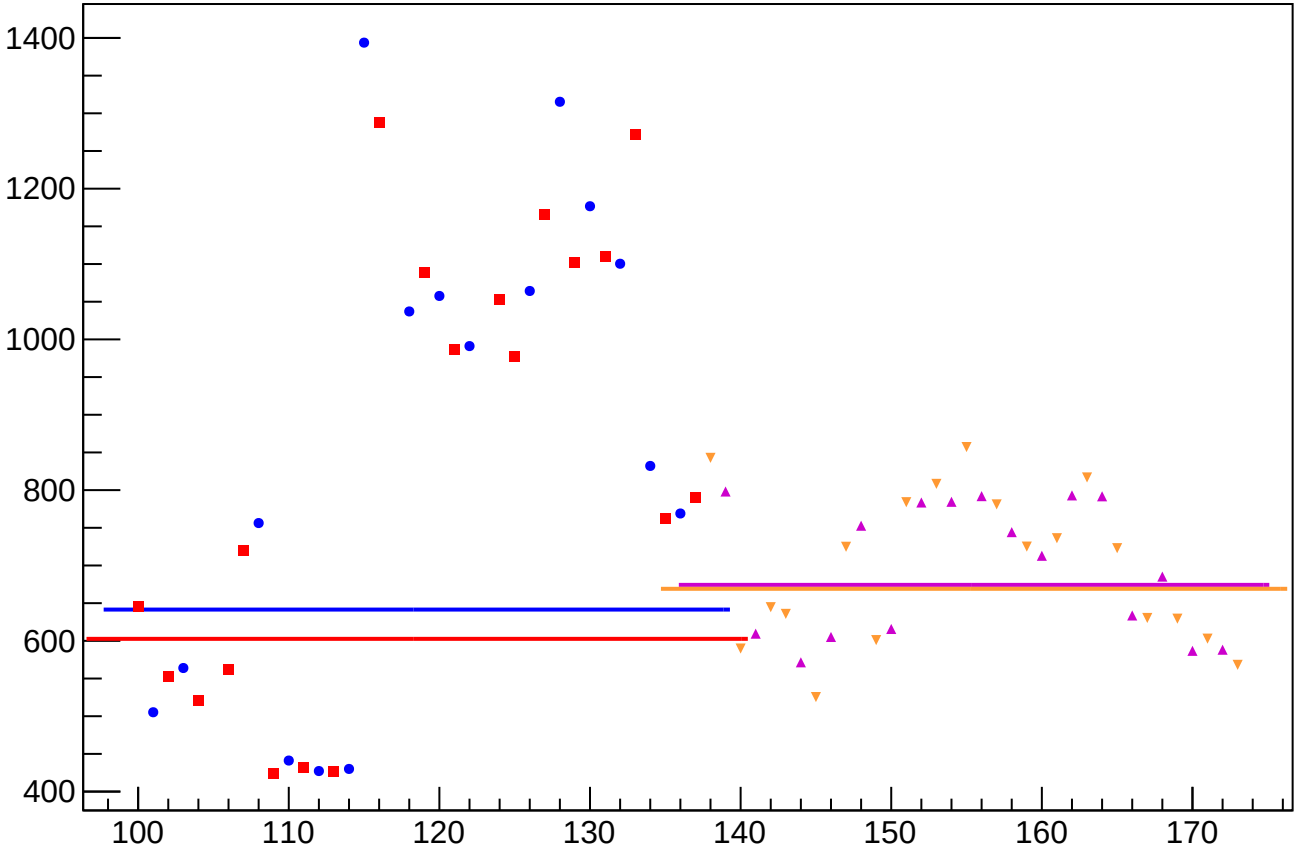
Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 37.410+/-148.523 χ^2/NDF:40.3/32

Out: -369.595+/-141.057 χ^2/NDF:79.0/37

All: -176.580+/-102.280 χ^2/NDF: 123.3/70

asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 669.057+/-0.124 χ^2/NDF:616789.0/18

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 674.276+/-0.129 χ^2/NDF:437865.6/16

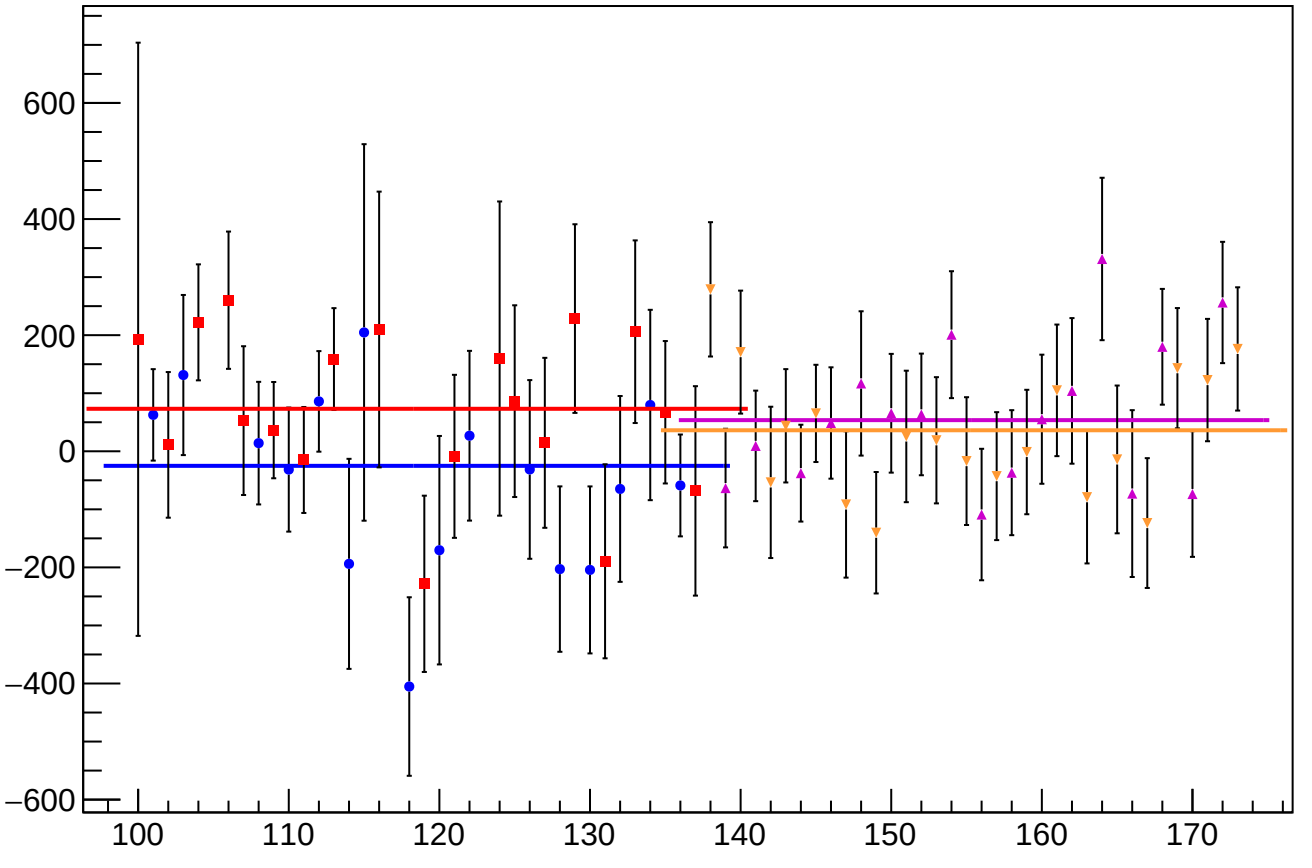
Left: 671.563+/-0.089 χ^2/NDF: 1055509.2/35

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 663.329+/-0.105 χ^2/NDF:2334523.1/32

Out: 645.828+/-0.100 χ^2/NDF:2787907.0/37

All: 654.128+/-0.072 χ^2/NDF: 5137029.0/70



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 36.184+/-24.940 χ^2/NDF:18.5/18

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 53.645+/-25.998 χ^2/NDF:19.2/16

Left: 44.552+/-17.998 χ^2/NDF: 37.9/35

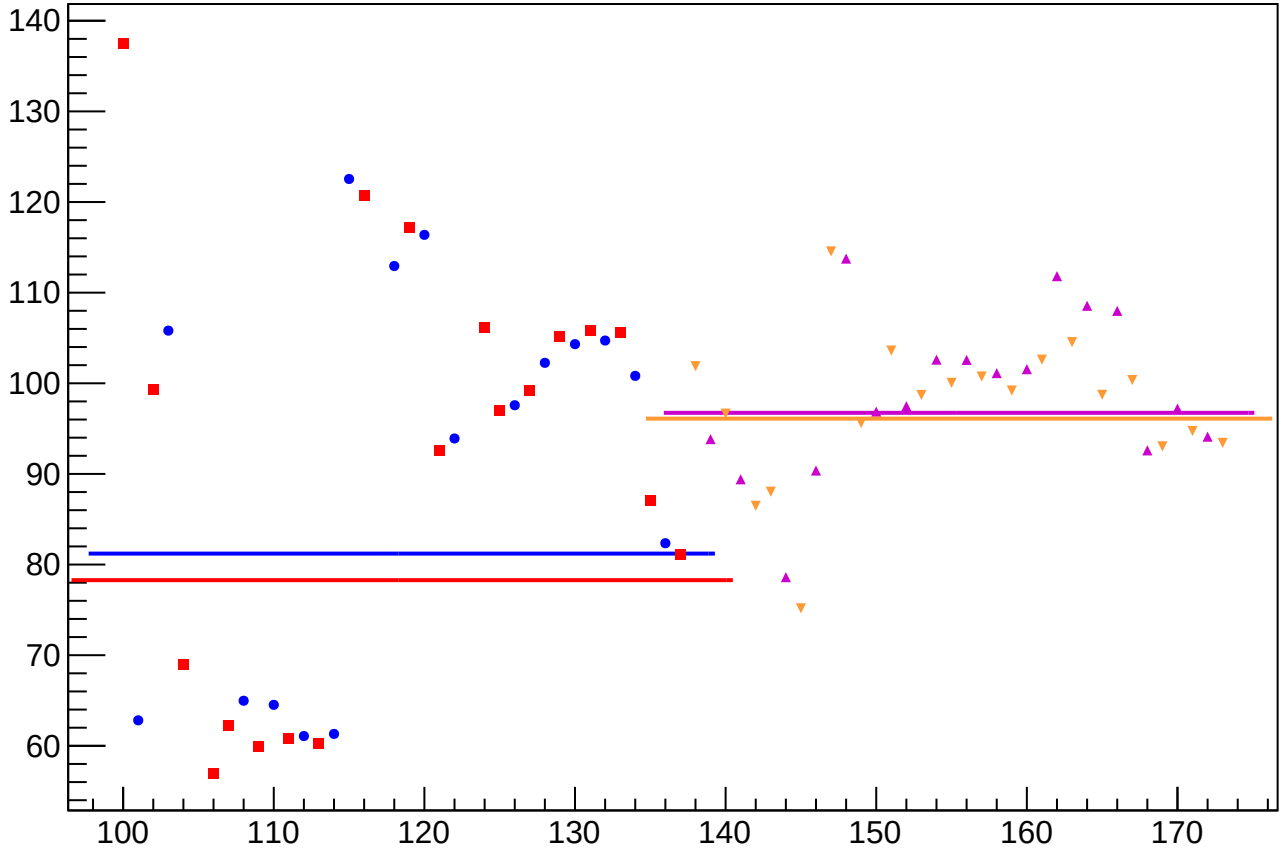
Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 21.422+/-19.981 χ^2/NDF:39.2/32

Out: 51.346+/-19.162 χ^2/NDF:36.1/37

All: 37.010+/-13.830 χ^2/NDF: 76.4/70

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.101+/-0.018 χ^2/NDF:239835.5/18

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.742+/-0.018 χ^2/NDF:232728.2/16

Left: 96.408+/-0.013 χ^2/NDF: 473196.9/35

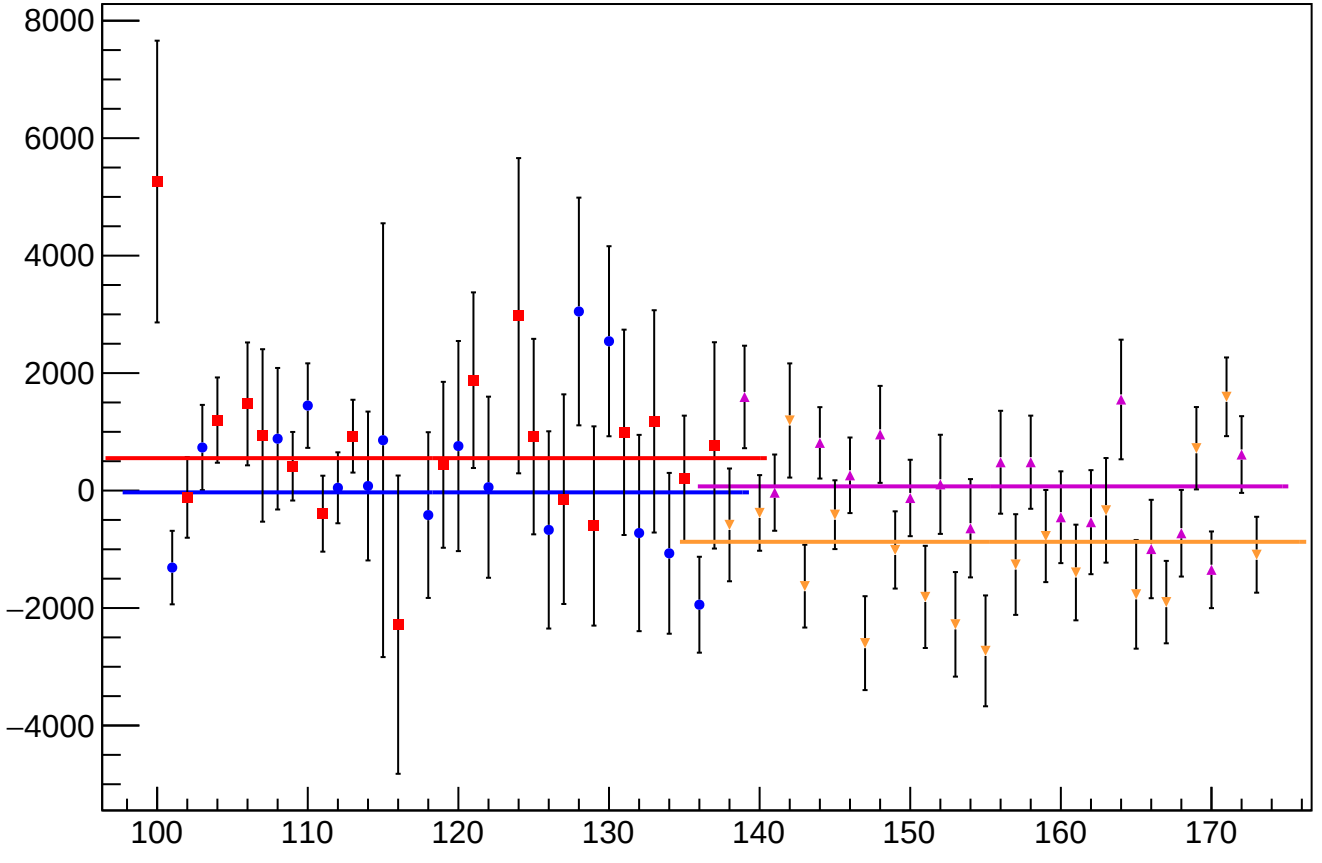
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 90.384+/-0.014 χ^2/NDF:1312635.5/32

Out: 88.800+/-0.014 χ^2/NDF:1595061.8/37

All: 89.559+/-0.010 χ^2/NDF: 2914250.0/70

asym_sam_1548_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -872.370+/-174.934 χ^2/NDF:42.1/18

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 71.422+/-181.992 χ^2/NDF:18.4/16

Left: -419.128+/-126.119 χ^2/NDF: 74.4/35

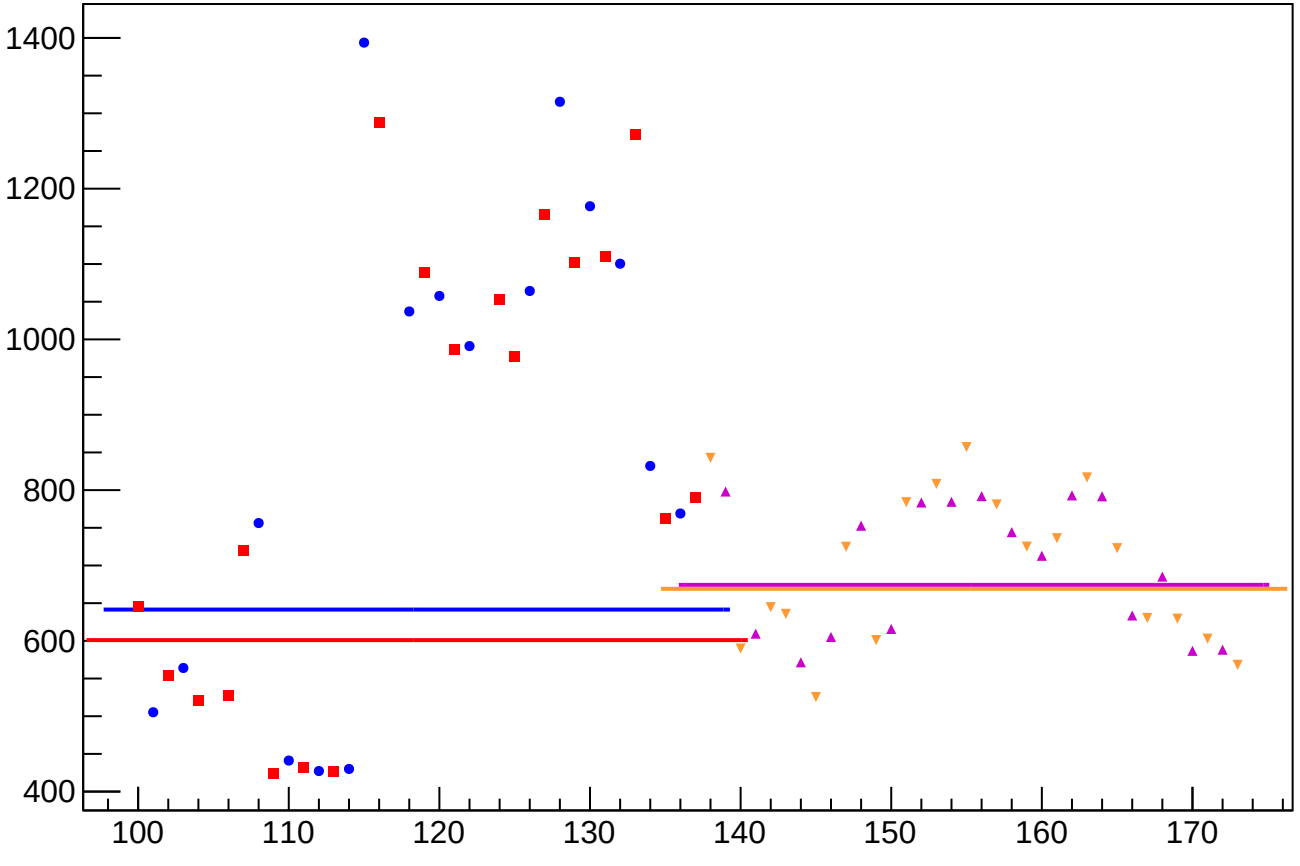
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 37.405+/-148.524 χ^2/NDF:40.3/32

Out: -374.523+/-141.087 χ^2/NDF:78.1/37

All: -179.129+/-102.292 χ^2/NDF: 122.5/70

asym_sam_1548_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 669.058+/-0.124 χ^2/NDF:616789.1/18

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 674.276+/-0.129 χ^2/NDF:437865.5/16

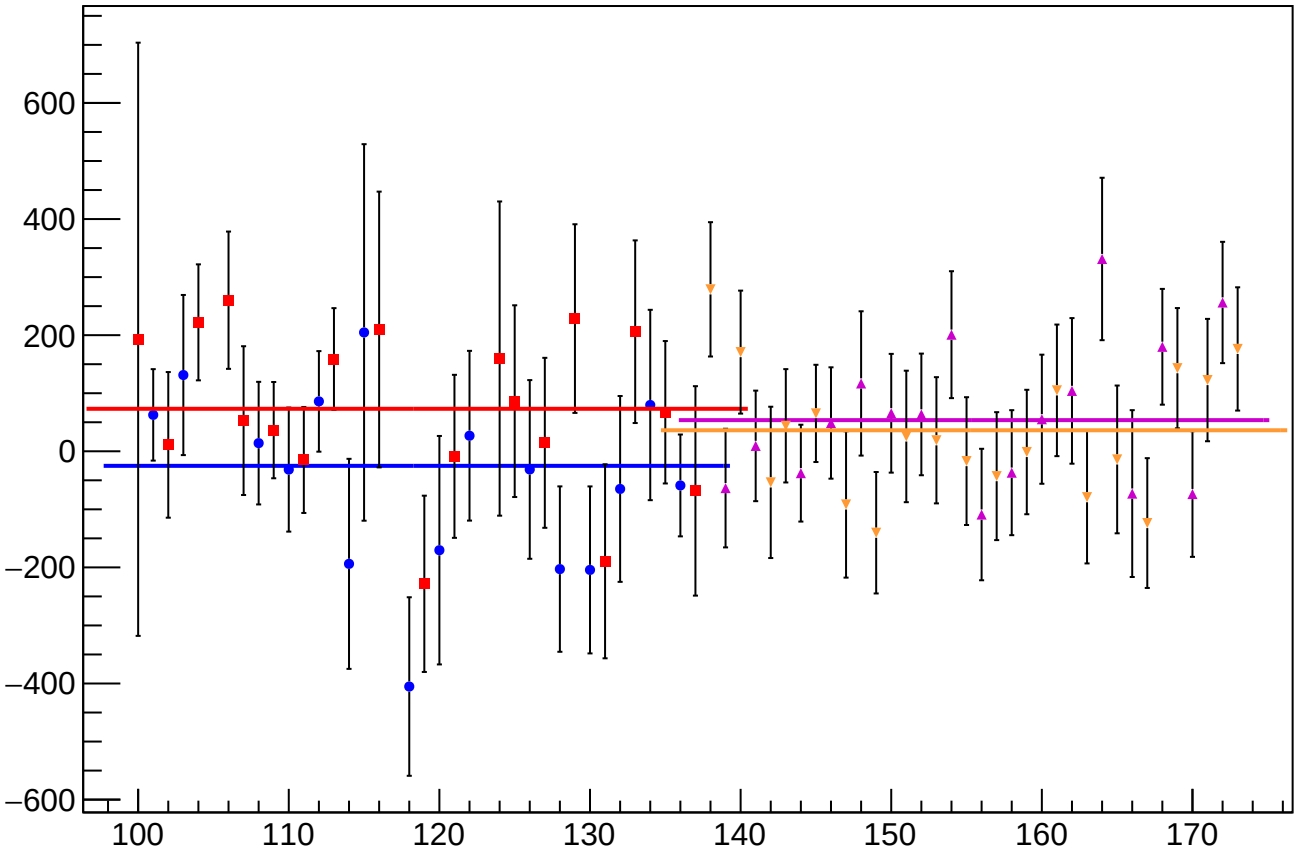
Left: 671.563+/-0.089 χ^2/NDF: 1055509.2/35

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 663.332+/-0.105 χ^2/NDF:2334470.1/32

Out: 645.261+/-0.100 χ^2/NDF:2799906.5/37

All: 653.832+/-0.072 χ^2/NDF: 5149940.5/70



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 36.184+/-24.940 χ^2/NDF:18.5/18

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 53.645+/-25.998 χ^2/NDF:19.2/16

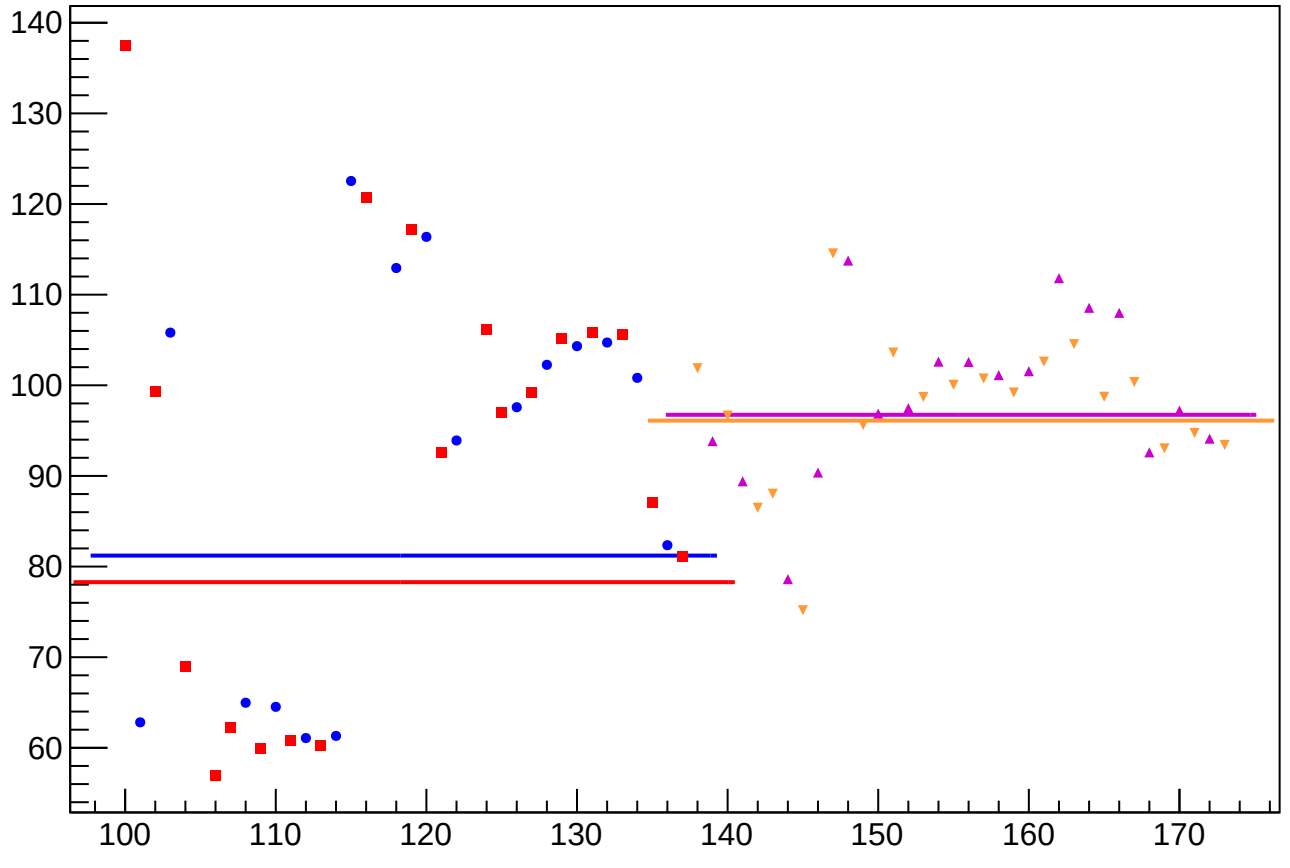
Left: 44.552+/-17.998 χ^2/NDF: 37.9/35

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 21.422+/-19.981 χ^2/NDF:39.2/32

Out: 51.346+/-19.162 χ^2/NDF:36.1/37

All: 37.010+/-13.830 χ^2/NDF: 76.4/70



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.101+/-0.018 χ^2/NDF:239835.5/18

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.742+/-0.018 χ^2/NDF:232728.2/16

Left: 96.408+/-0.013 χ^2/NDF: 473196.9/35

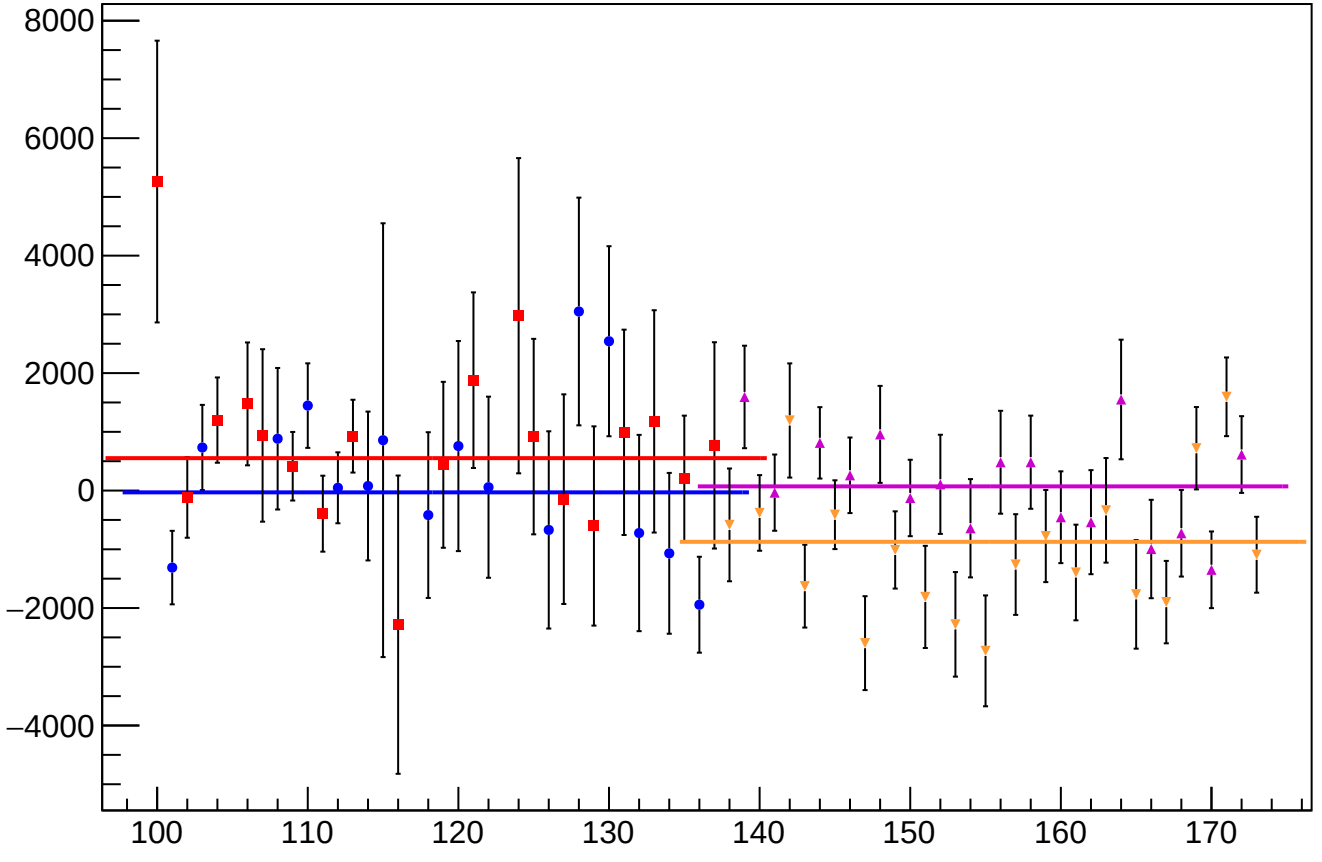
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 90.384+/-0.014 χ^2/NDF:1312635.5/32

Out: 88.800+/-0.014 χ^2/NDF:1595061.8/37

All: 89.559+/-0.010 χ^2/NDF: 2914250.0/70

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: -872.370+/-174.934 χ^2/NDF:42.1/18

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 71.422+/-181.992 χ^2/NDF:18.4/16

Left: -419.128+/-126.119 χ^2/NDF: 74.4/35

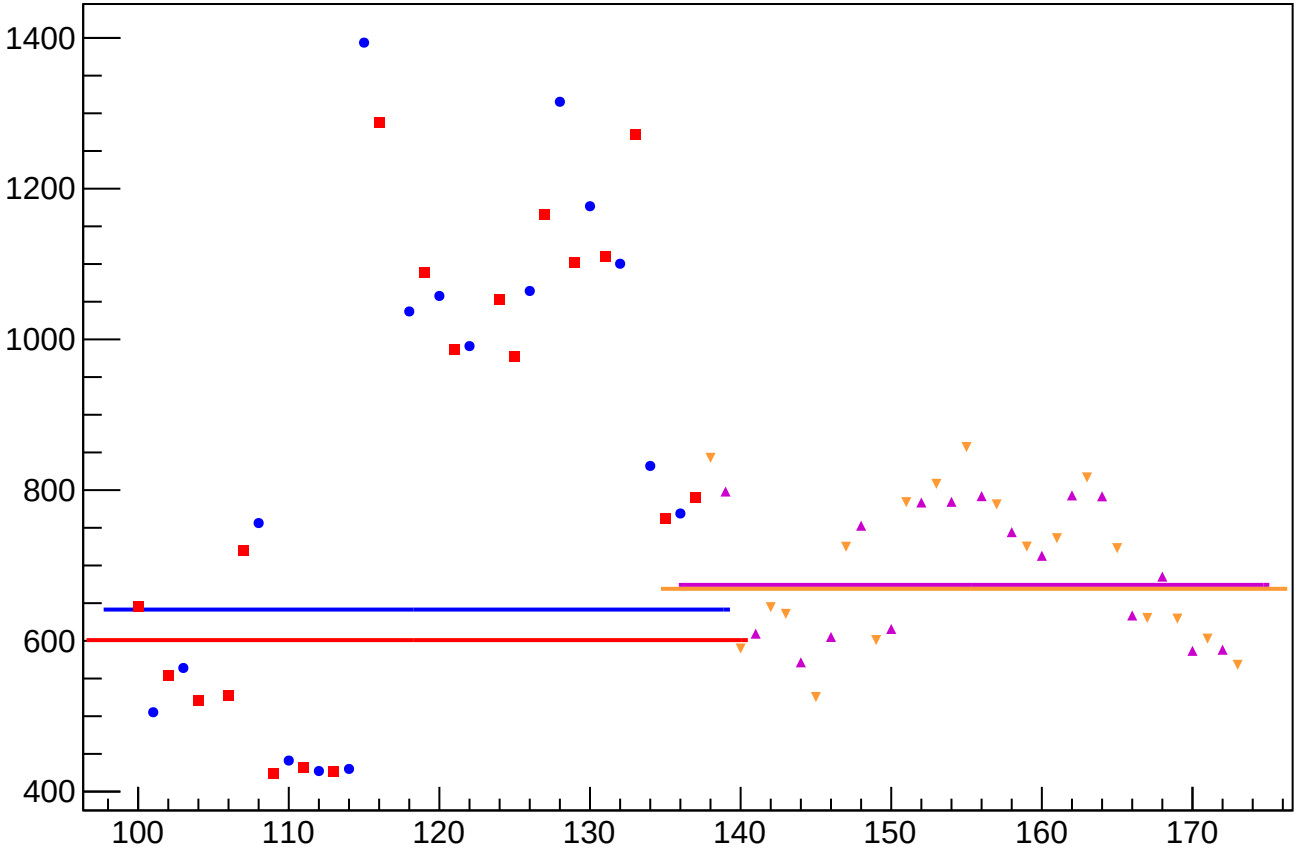
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 37.405+/-148.524 χ^2/NDF:40.3/32

Out: -374.523+/-141.087 χ^2/NDF:78.1/37

All: -179.129+/-102.292 χ^2/NDF: 122.5/70

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: 669.058+/-0.124 χ^2/NDF:616789.1/18

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 674.276+/-0.129 χ^2/NDF:437865.5/16

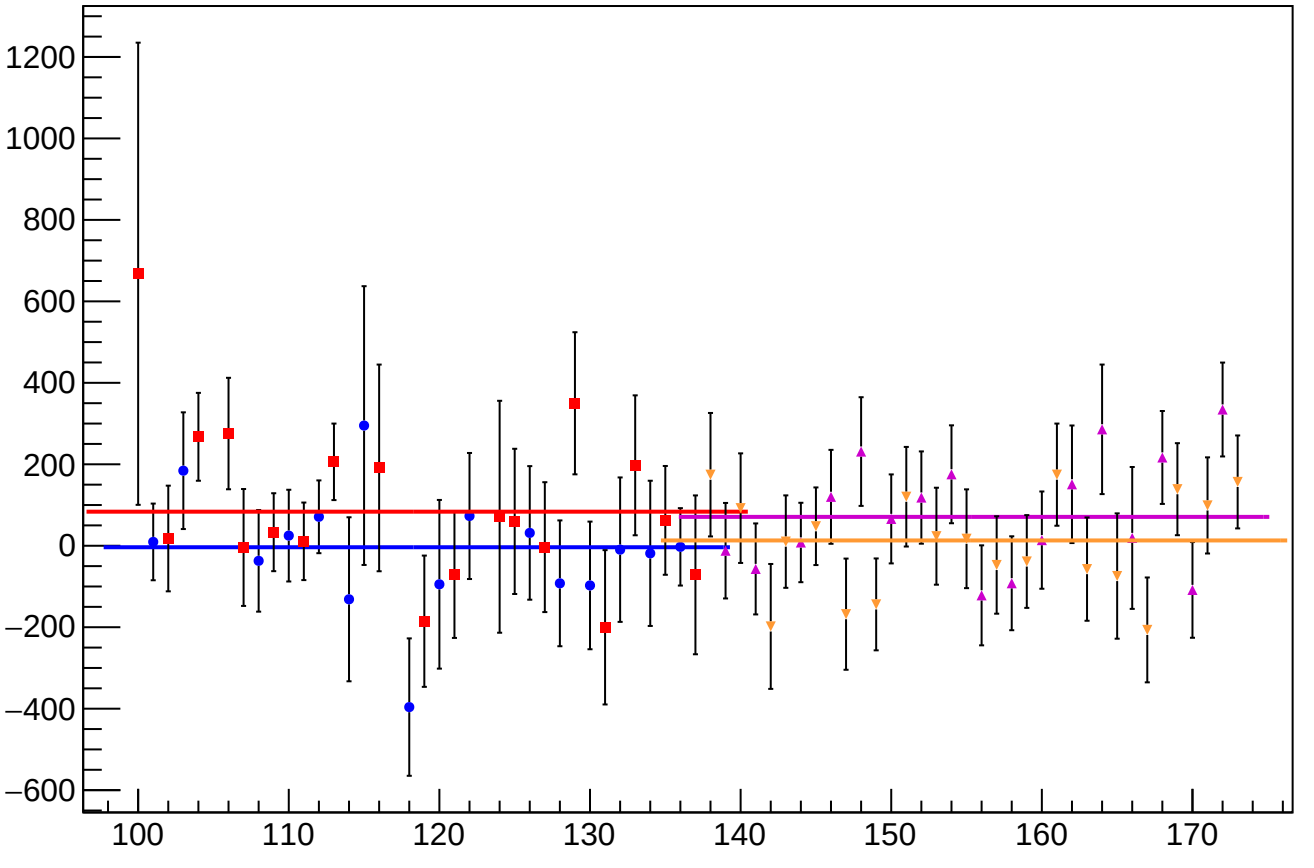
Left: 671.563+/-0.089 χ^2/NDF: 1055509.2/35

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 663.332+/-0.105 χ^2/NDF:2334470.1/32

Out: 645.261+/-0.100 χ^2/NDF:2799906.5/37

All: 653.832+/-0.072 χ^2/NDF: 5149940.5/70



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 13.042+/-28.068 χ^2/NDF:17.0/18

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 70.895+/-29.143 χ^2/NDF:20.9/16

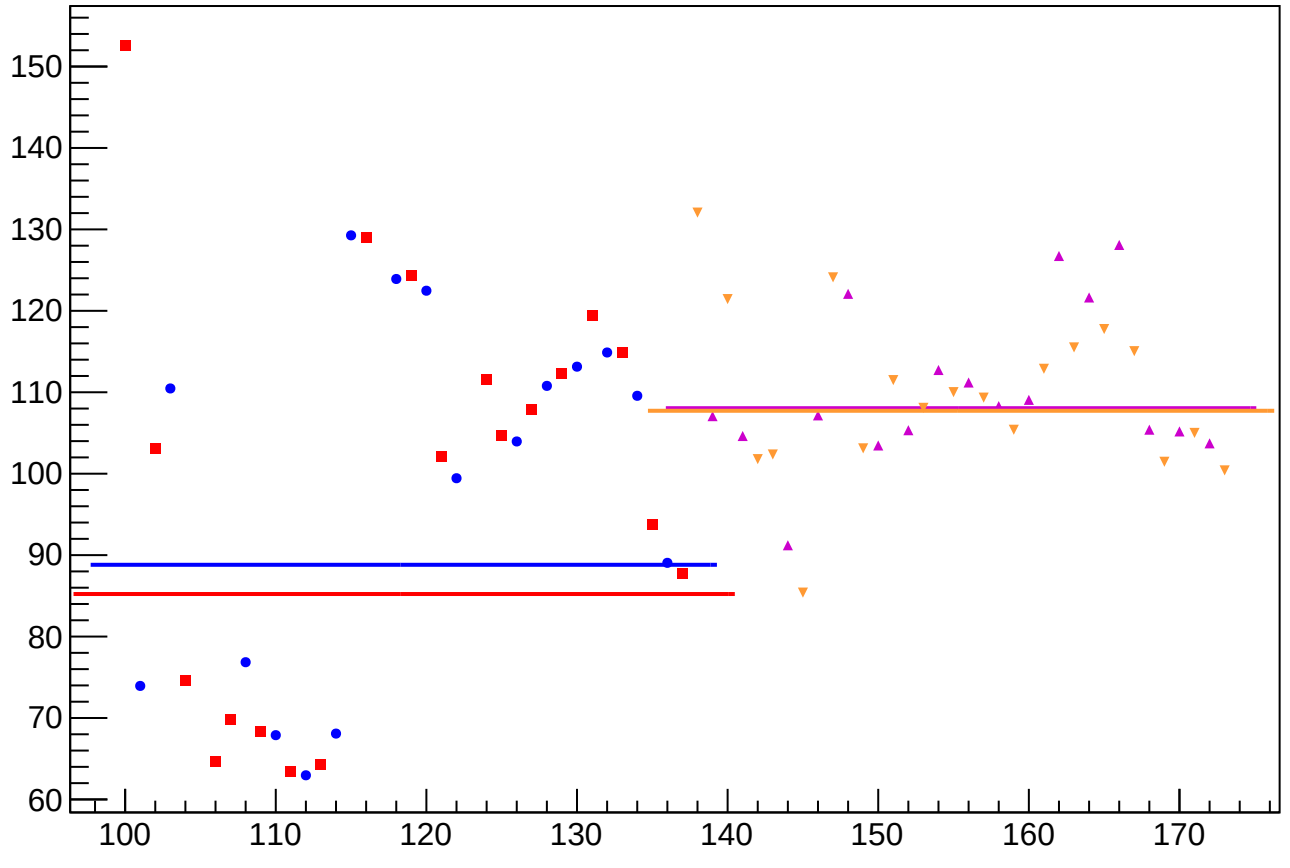
Left: 40.882+/-20.216 χ^2/NDF: 39.9/35

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 39.492+/-22.169 χ^2/NDF:34.0/32

Out: 43.078+/-21.280 χ^2/NDF:38.8/37

All: 41.358+/-15.352 χ^2/NDF: 72.8/70



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 107.727+/-0.020 χ^2/NDF:266988.3/18

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 108.044+/-0.021 χ^2/NDF:172823.2/16

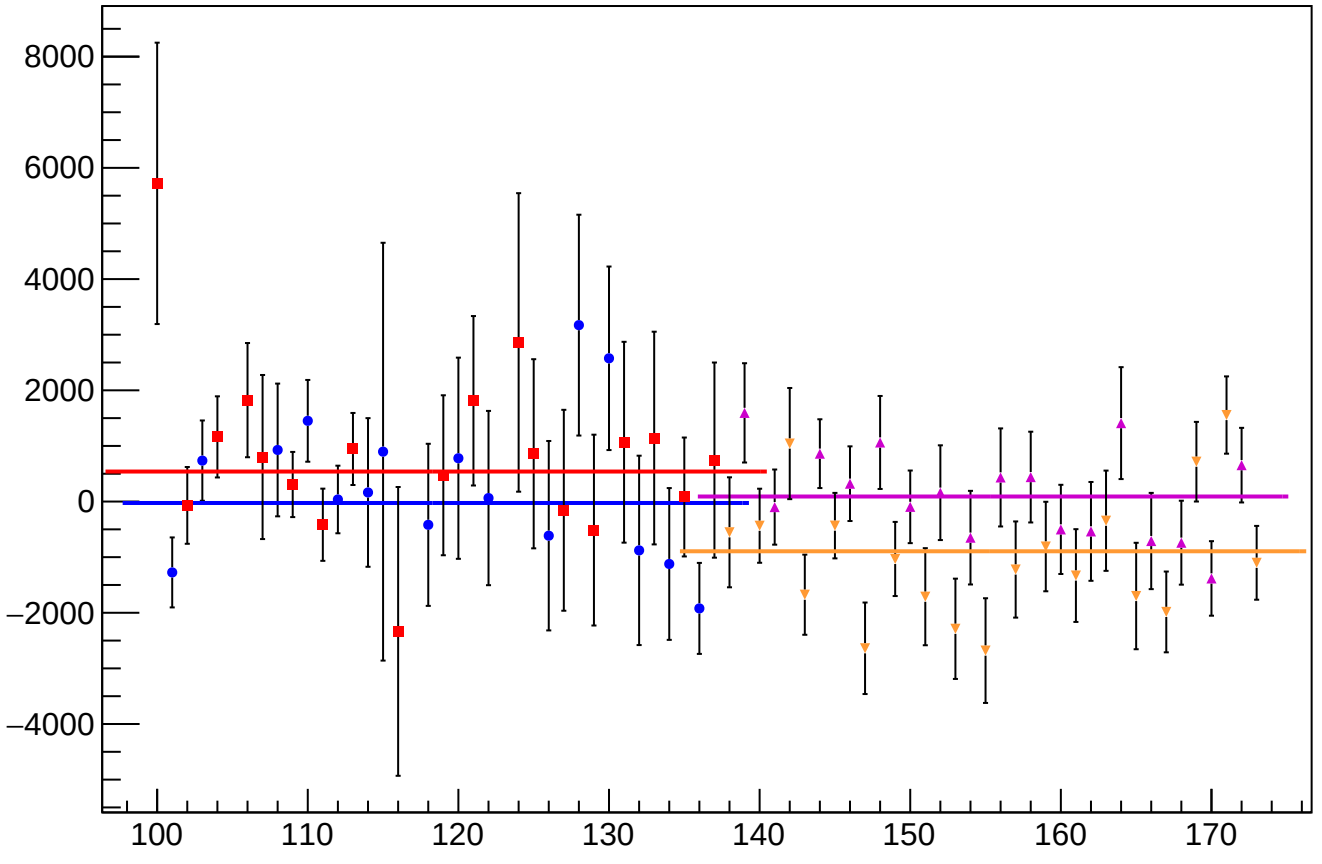
Left: 107.879+/-0.014 χ^2/NDF: 439934.2/35

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 99.941+/-0.016 χ^2/NDF:1264365.8/32

Out: 98.158+/-0.015 χ^2/NDF:1697670.1/37

All: 99.013+/-0.011 χ^2/NDF: 2968767.3/70



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -894.161+/-178.685 χ^2/NDF:38.9/18

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 90.634+/-185.744 χ^2/NDF:17.5/16

Left: -420.829+/-128.773 χ^2/NDF: 71.0/35

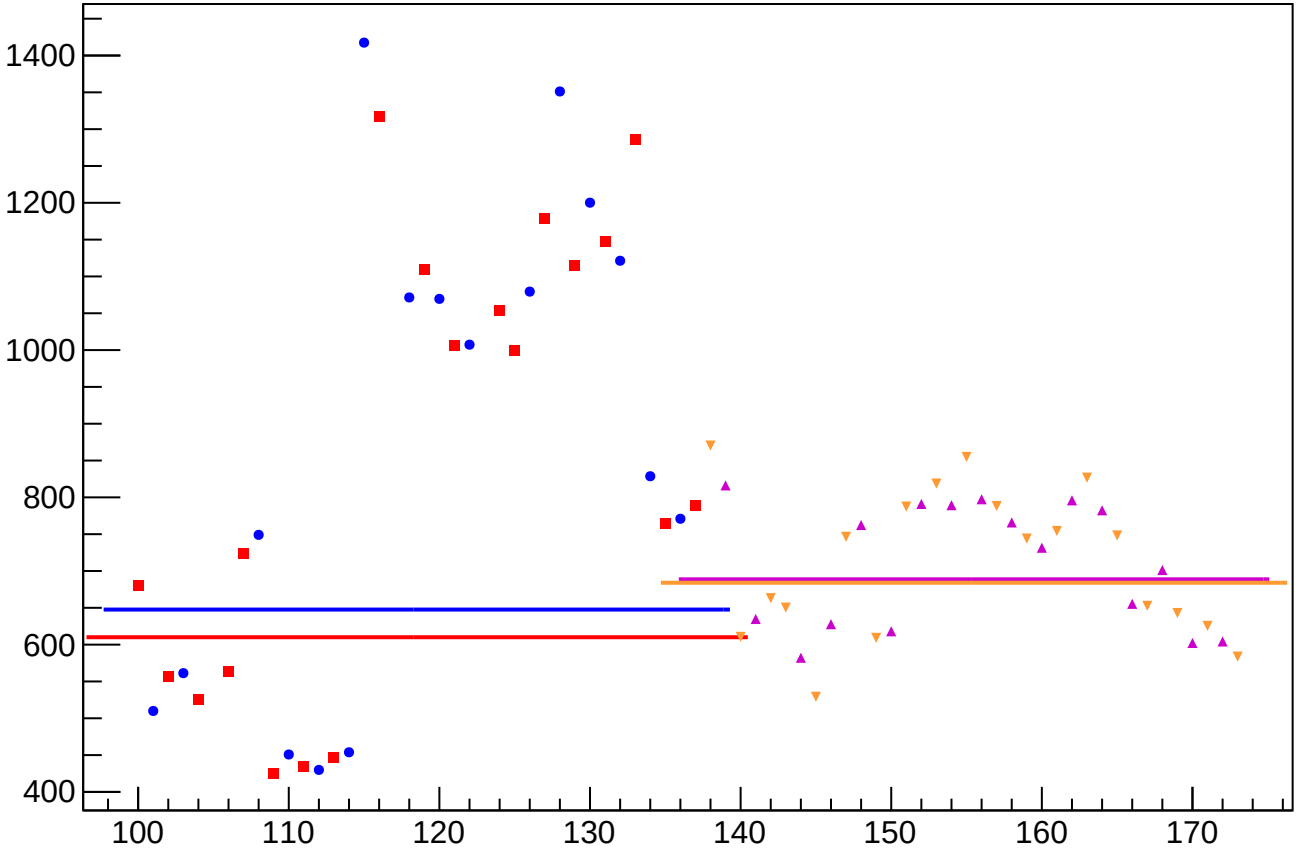
Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 51.180+/-151.020 χ^2/NDF:39.2/32

Out: -386.208+/-143.587 χ^2/NDF:75.3/37

All: -178.543+/-104.060 χ^2/NDF: 118.9/70

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: 684.051+/-0.126 χ^2/NDF:597984.0/18

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 688.708+/-0.131 χ^2/NDF:394730.4/16

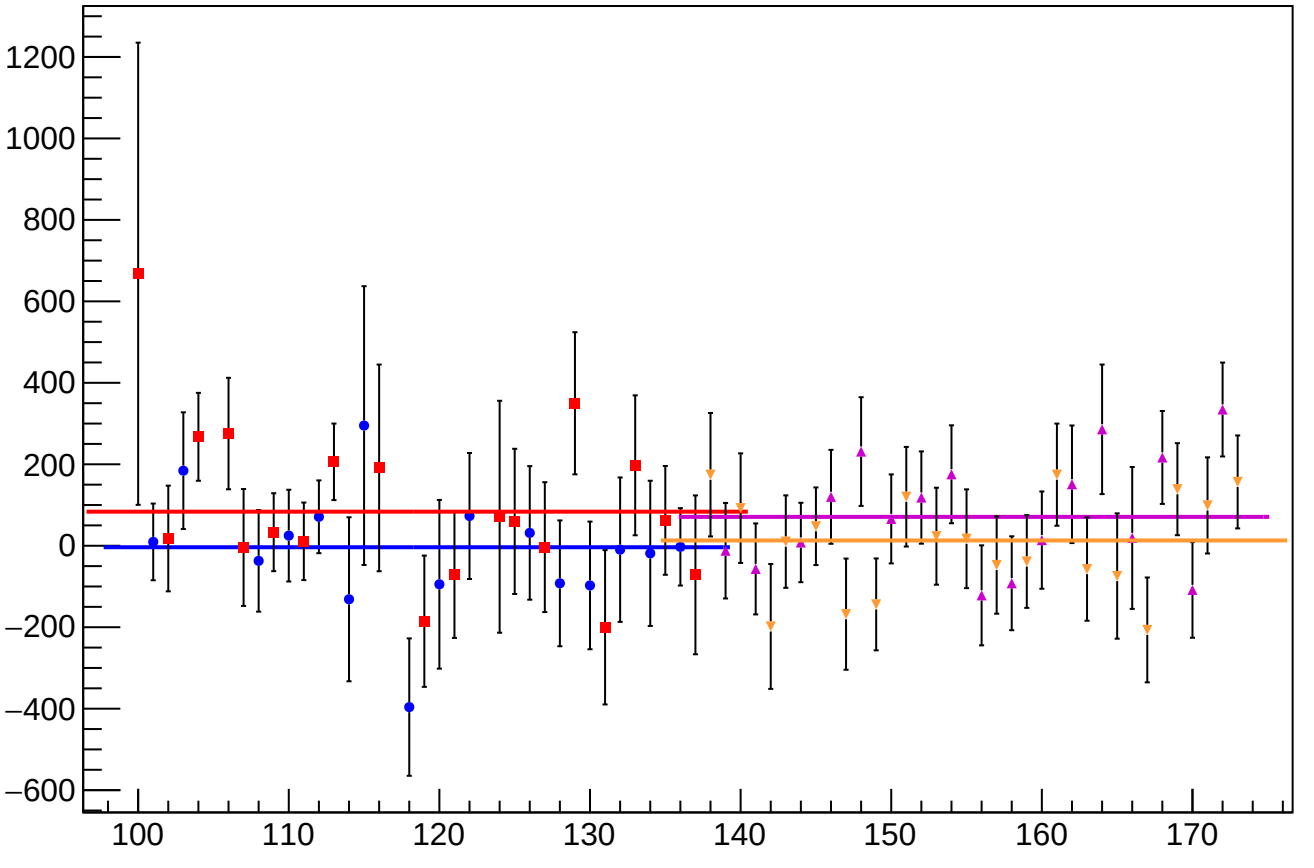
Left: 686.290+/-0.091 χ^2/NDF: 993367.4/35

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 674.789+/-0.107 χ^2/NDF:2315684.5/32

Out: 657.839+/-0.102 χ^2/NDF:2793723.0/37

All: 665.886+/-0.074 χ^2/NDF: 5122640.3/70



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 13.043+/-28.068 χ^2/NDF:17.0/18

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 70.895+/-29.143 χ^2/NDF:20.9/16

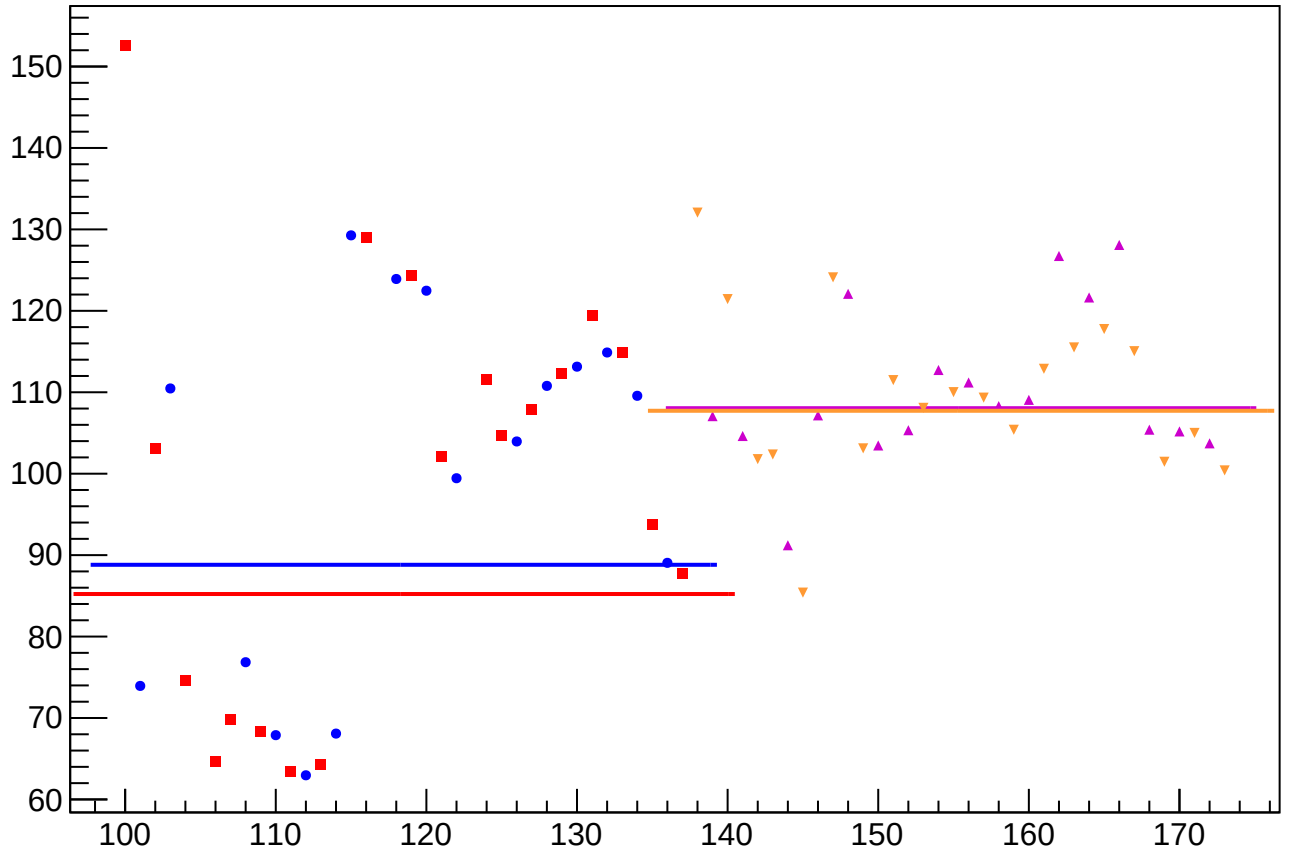
Left: 40.883+/-20.217 χ^2/NDF: 39.9/35

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 39.493+/-22.169 χ^2/NDF:34.0/32

Out: 43.078+/-21.280 χ^2/NDF:38.8/37

All: 41.359+/-15.352 χ^2/NDF: 72.8/70



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 107.727+/-0.020 χ^2/NDF:266986.4/18

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 108.044+/-0.021 χ^2/NDF:172821.2/16

Left: 107.880+/-0.014 χ^2/NDF: 439930.3/35

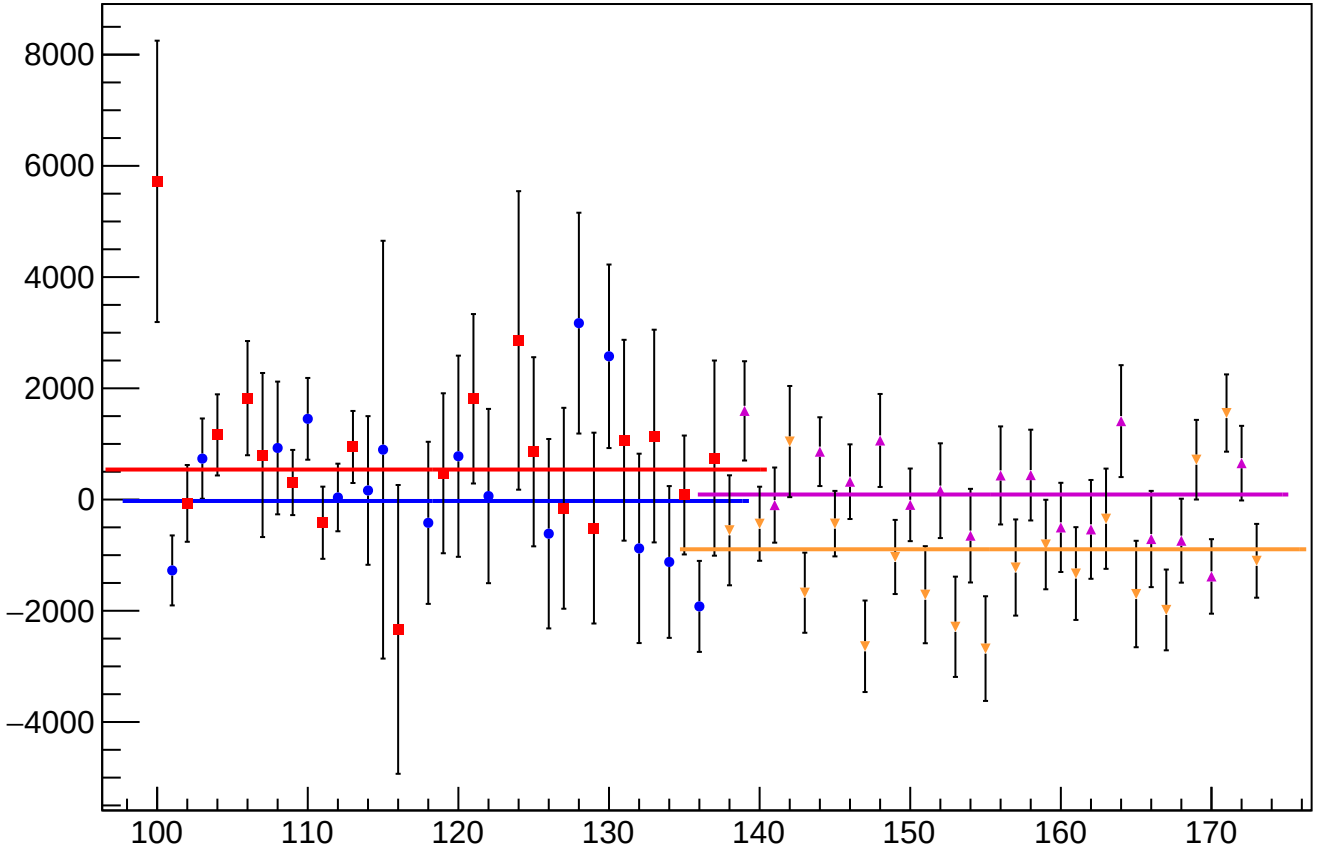
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 99.941+/-0.016 χ^2/NDF:1264370.9/32

Out: 98.158+/-0.015 χ^2/NDF:1697679.5/37

All: 99.013+/-0.011 χ^2/NDF: 2968781.9/70

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: -894.159+/-178.685 χ^2/NDF:38.9/18

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 90.633+/-185.743 χ^2/NDF:17.5/16

Left: -420.829+/-128.772 χ^2/NDF: 71.0/35

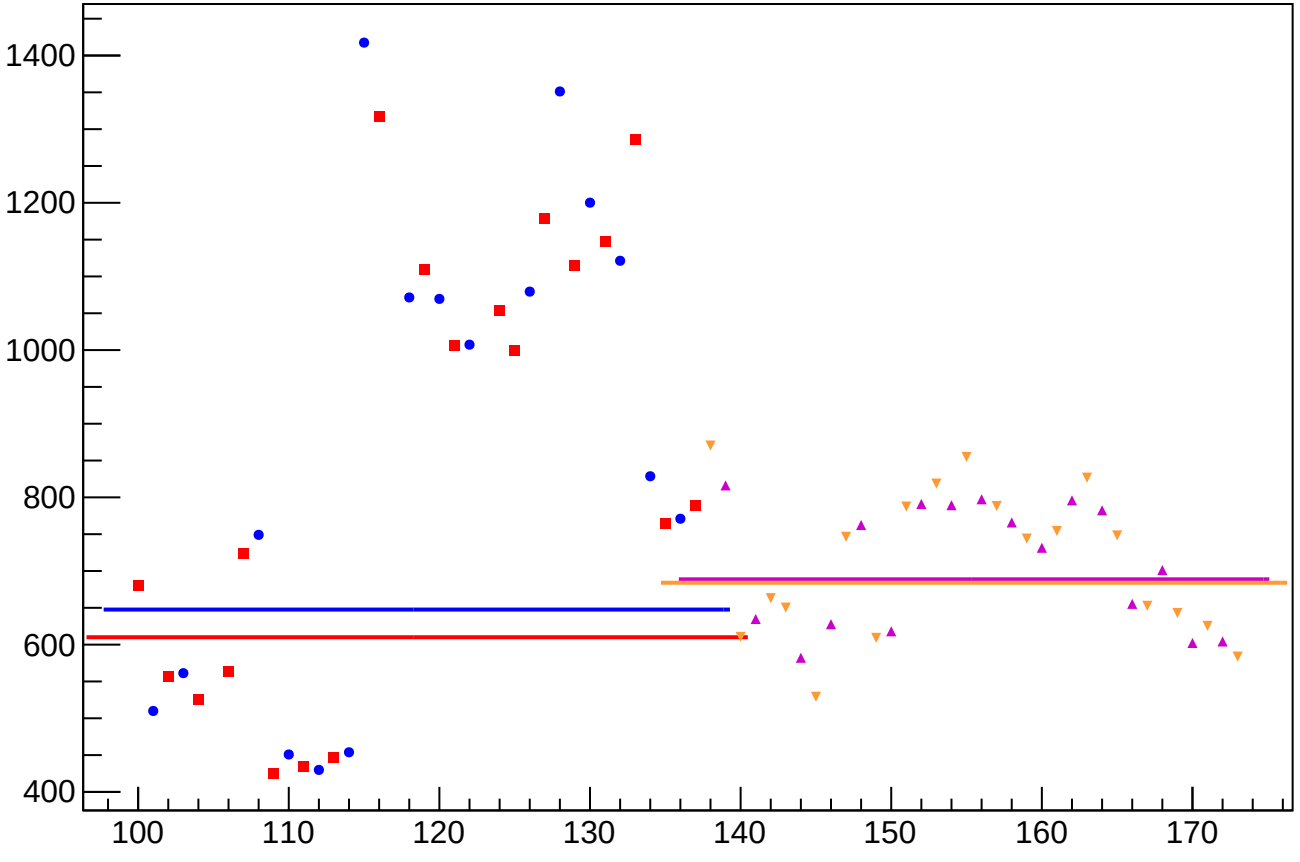
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 51.179+/-151.020 χ^2/NDF:39.2/32

Out: -386.207+/-143.587 χ^2/NDF:75.3/37

All: -178.543+/-104.060 χ^2/NDF: 118.9/70

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: 684.051+/-0.126 χ^2/NDF:597984.7/18

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 688.708+/-0.131 χ^2/NDF:394727.9/16

Left: 686.289+/-0.091 χ^2/NDF: 993365.6/35

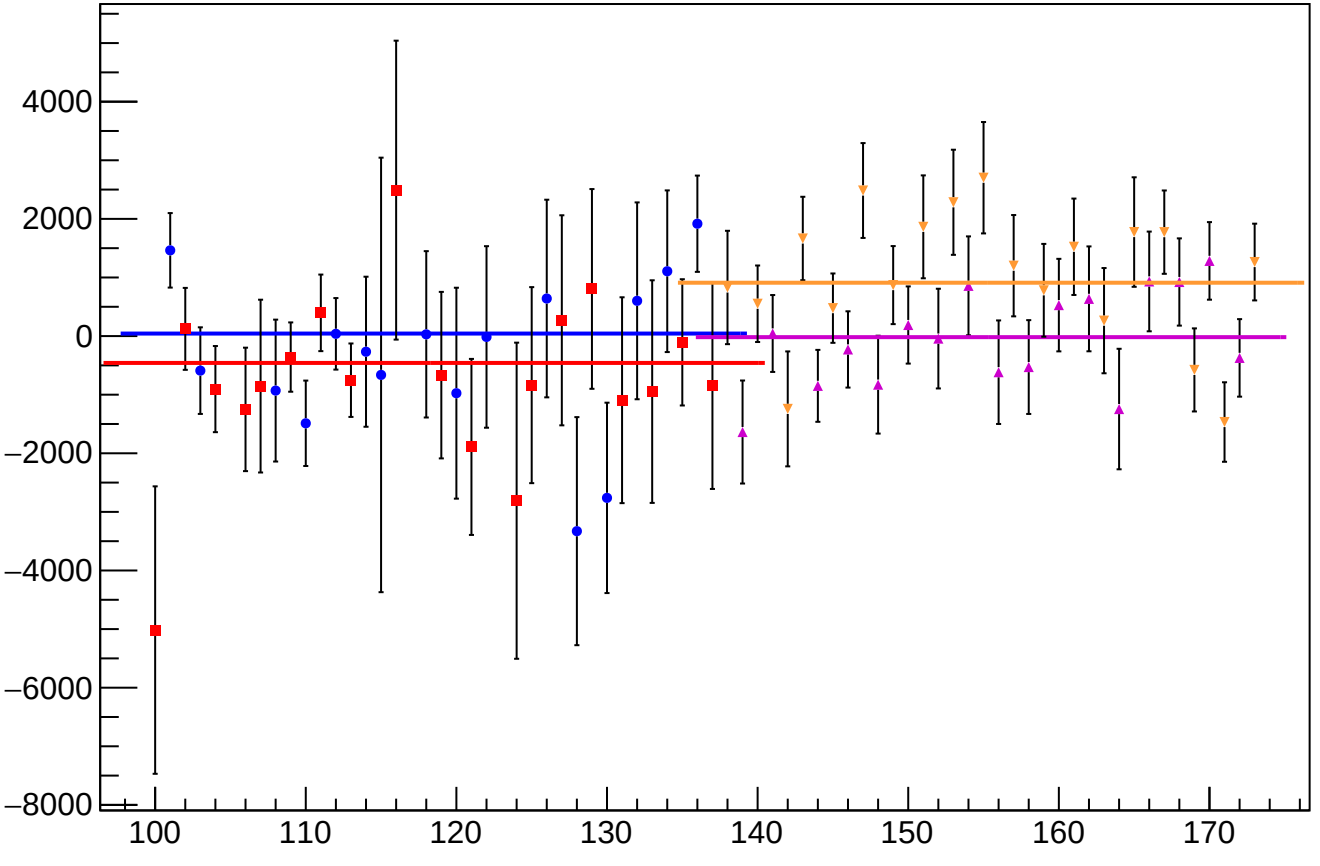
Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 674.788+/-0.107 χ^2/NDF:2315687.2/32

Out: 657.838+/-0.102 χ^2/NDF:2793727.5/37

All: 665.886+/-0.074 χ^2/NDF: 5122647.5/70

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 910.554+/-176.817 χ^2/NDF:38.2/18

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -18.142+/-183.947 χ^2/NDF:17.8/16

Left: 464.553+/-127.475 χ^2/NDF: 69.2/35

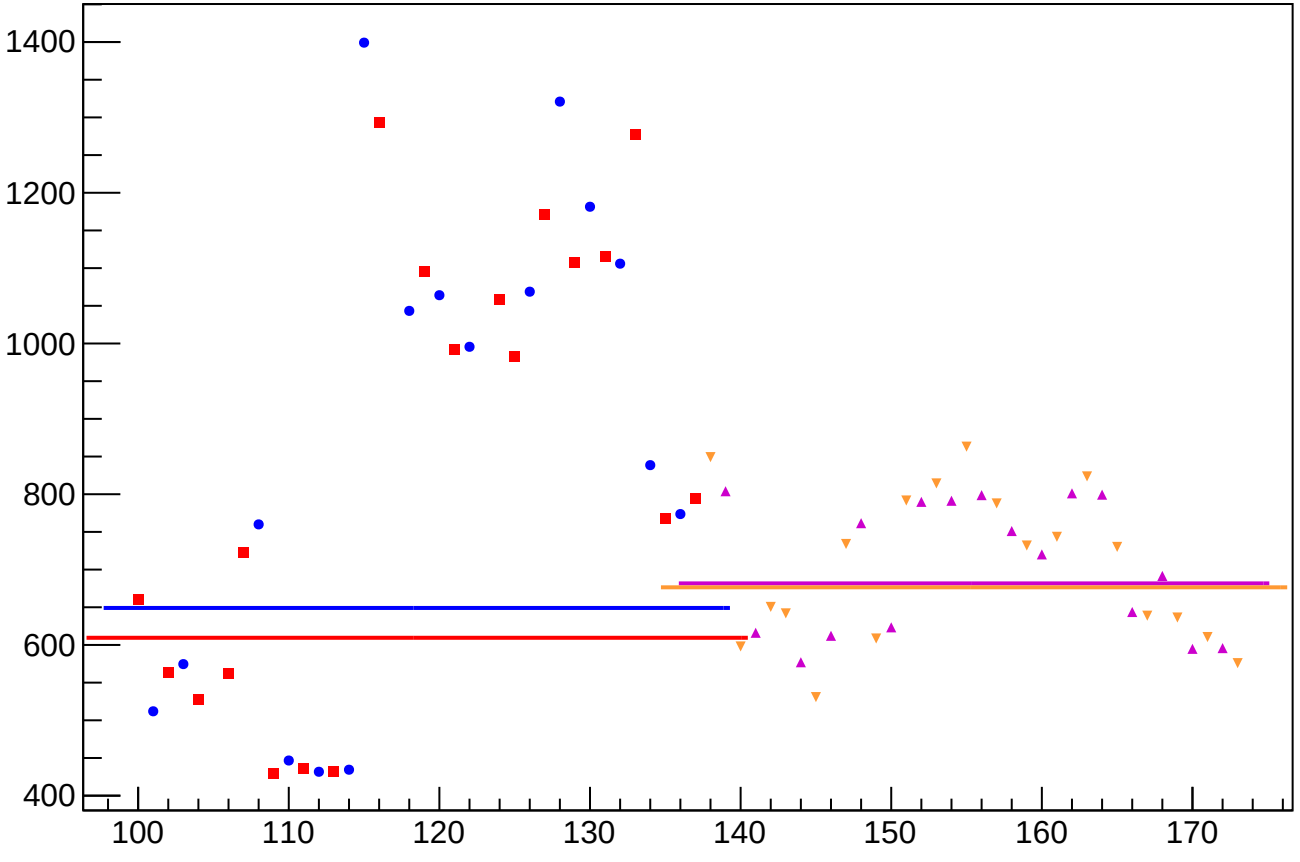
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: 2.325+/-150.126 χ^2/NDF:41.0/32

Out: 431.924+/-142.587 χ^2/NDF:70.4/37

All: 228.182+/-103.387 χ^2/NDF: 115.7/70

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 676.452+/-0.125 χ^2/NDF:604484.8/18

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 681.670+/-0.130 χ^2/NDF:429043.2/16

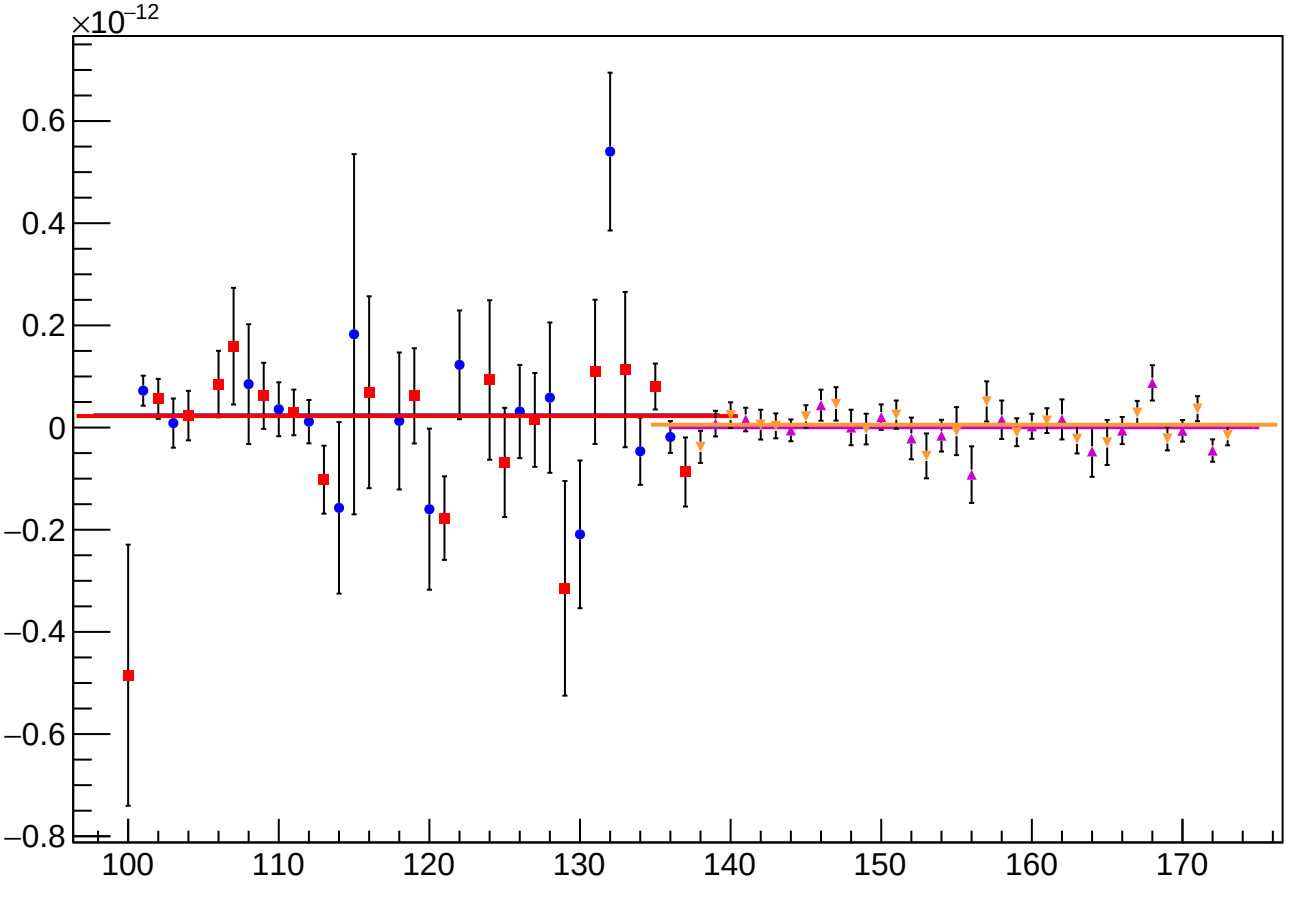
Left: 678.958+/-0.090 χ^2/NDF: 1034364.5/35

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 670.791+/-0.106 χ^2/NDF:2295808.4/32

Out: 653.044+/-0.101 χ^2/NDF:2748306.6/37

All: 661.461+/-0.073 χ^2/NDF: 5058808.4/70



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:18.7/16

Left: 0.000+/-0.000 χ^2/NDF: 34.5/35

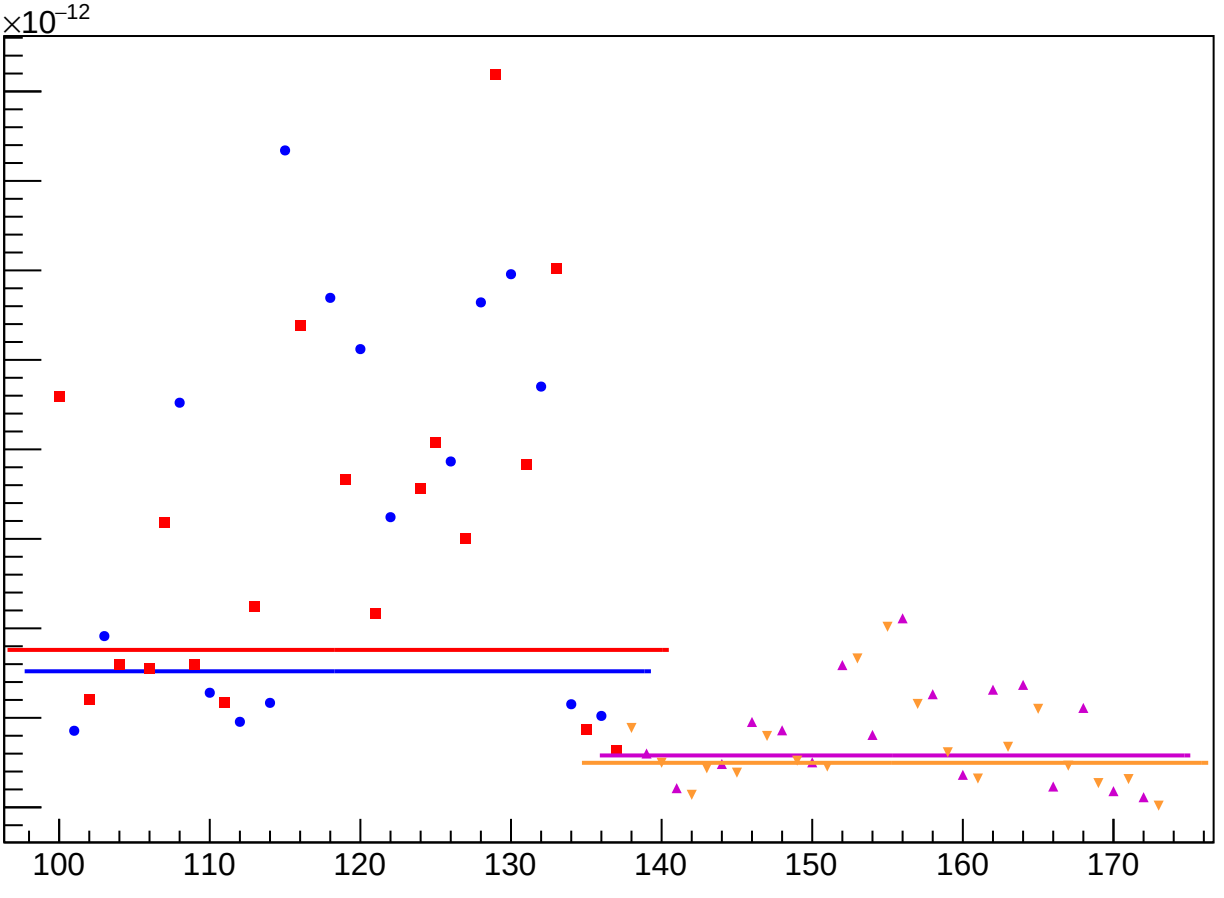
Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:44.2/32

Out: 0.000+/-0.000 χ^2/NDF:42.2/37

All: 0.000+/-0.000 χ^2/NDF: 86.5/70

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1312245.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:697159.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 988490.8/18

Left In: 0.000+/-0.000 χ^2/NDF:832613.7/16

Left: 0.000+/-0.000 χ^2/NDF: 1545384.0/35

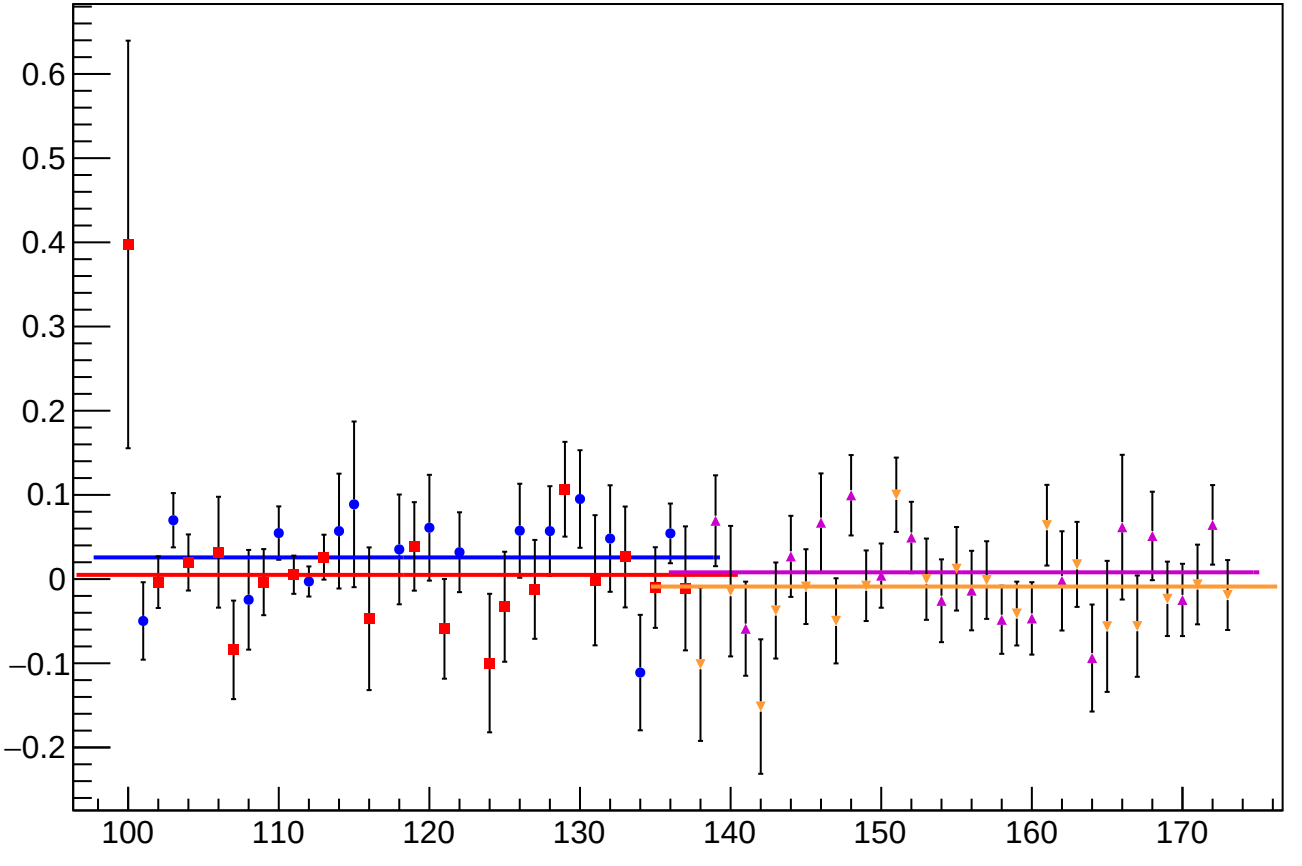
Right: 0.000+/-0.000 χ^2/NDF: 2323625.0/34

In: 0.000+/-0.000 χ^2/NDF:2779924.7/32

Out: 0.000+/-0.000 χ^2/NDF:2723400.1/37

All: 0.000+/-0.000 χ^2/NDF: 5520047.0/70

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.009+/-0.012 χ^2/NDF:15.9/18

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.008+/-0.012 χ^2/NDF:18.4/16

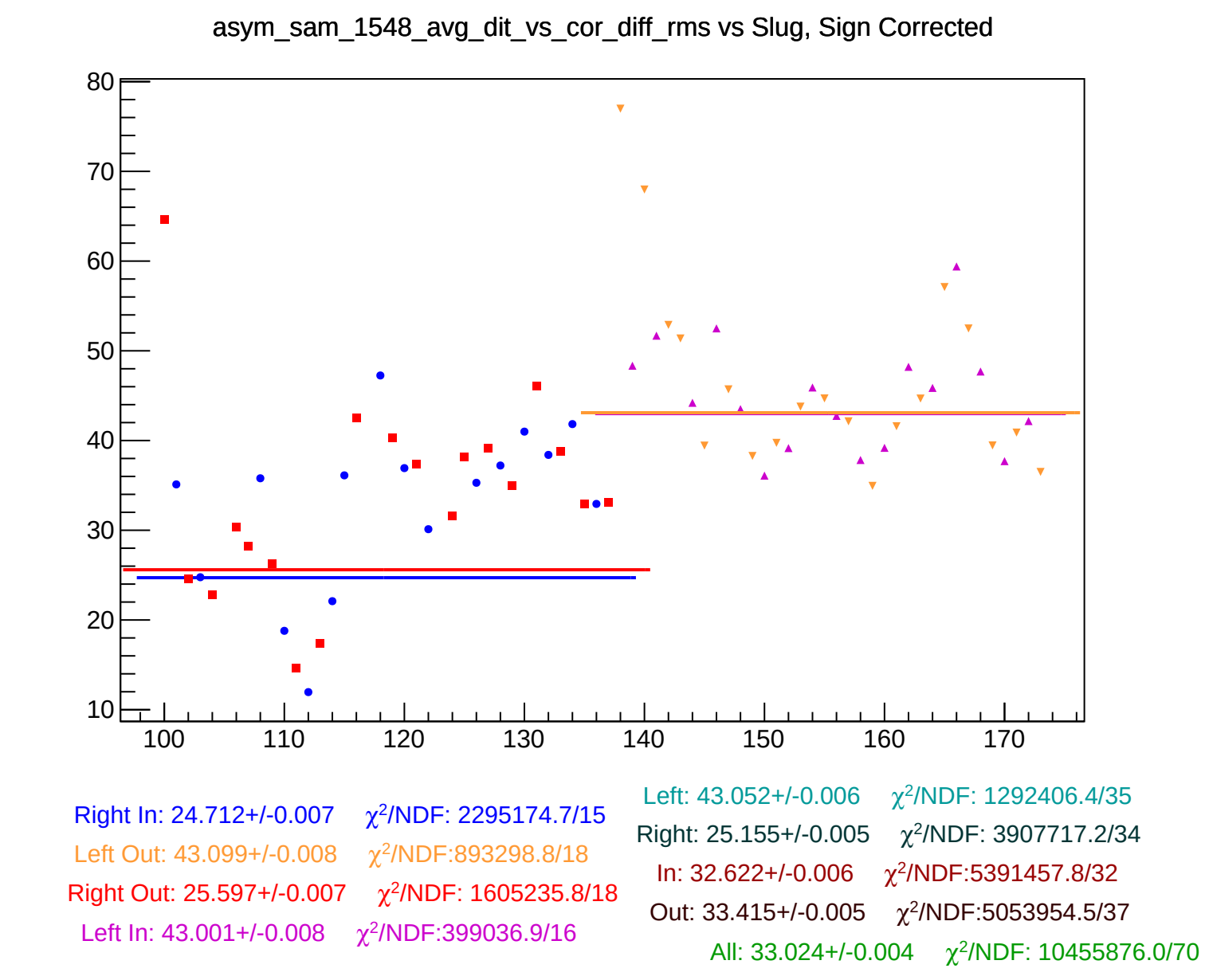
Left: -0.001+/-0.008 χ^2/NDF: 35.4/35

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

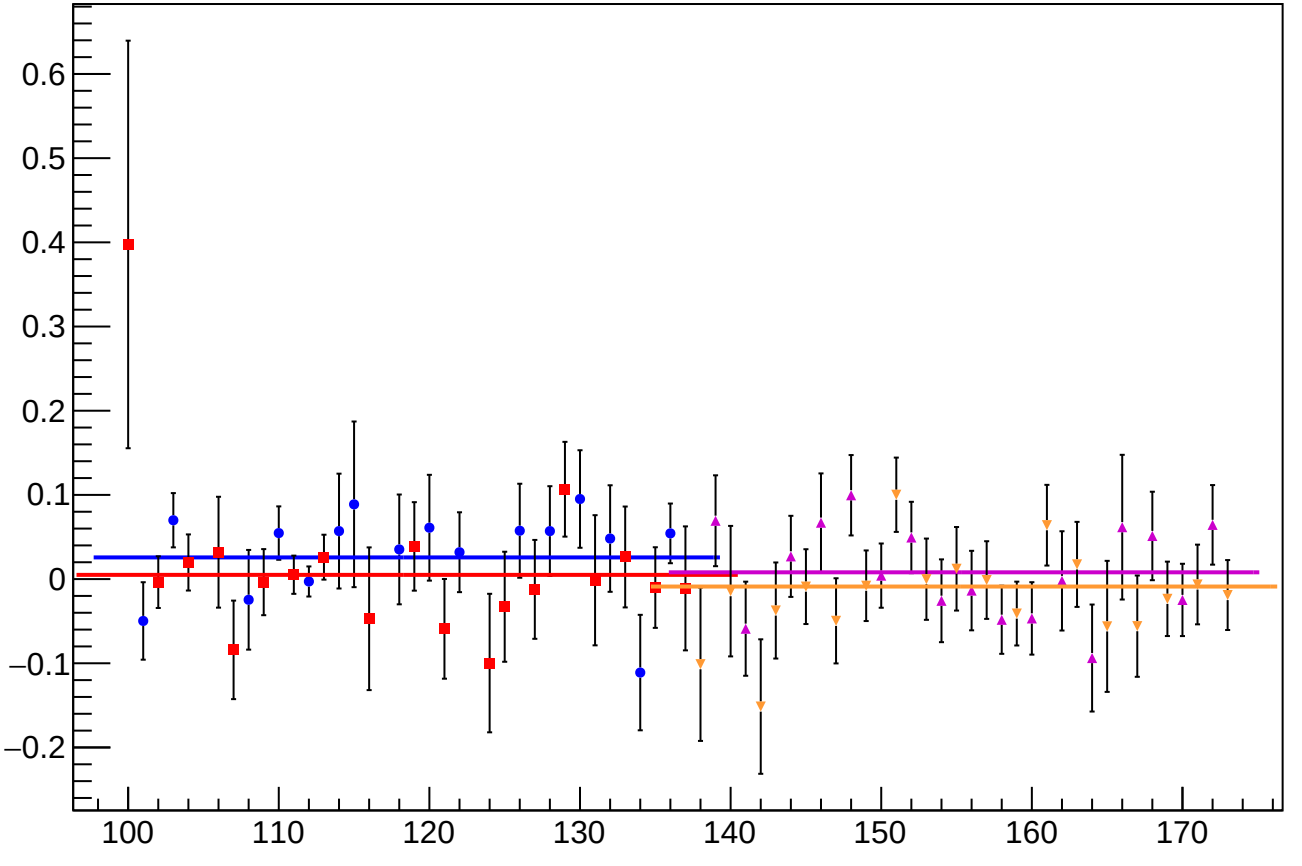
In: 0.018+/-0.008 χ^2/NDF:36.2/32

Out: -0.001+/-0.008 χ^2/NDF:30.3/37

All: 0.008+/-0.005 χ^2/NDF: 69.6/70


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
170
Right In: 24.712+/-0.007 χ²/NDF: 2295174.7/15
Left Out: 43.099+/-0.008 χ²/NDF:893298.8/18
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 43.001+/-0.008 χ²/NDF:399036.9/16
Left: 43.052+/-0.006 χ²/NDF: 1292406.4/35
Right: 25.155+/-0.005 χ²/NDF: 3907717.2/34
In: 32.622+/-0.006 χ²/NDF:5391457.8/32
Out: 33.415+/-0.005 χ²/NDF:5053954.5/37
All: 33.024+/-0.004 χ²/NDF: 10455876.0/70

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: -0.009+/-0.012 χ^2/NDF:15.9/18

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.008+/-0.012 χ^2/NDF:18.4/16

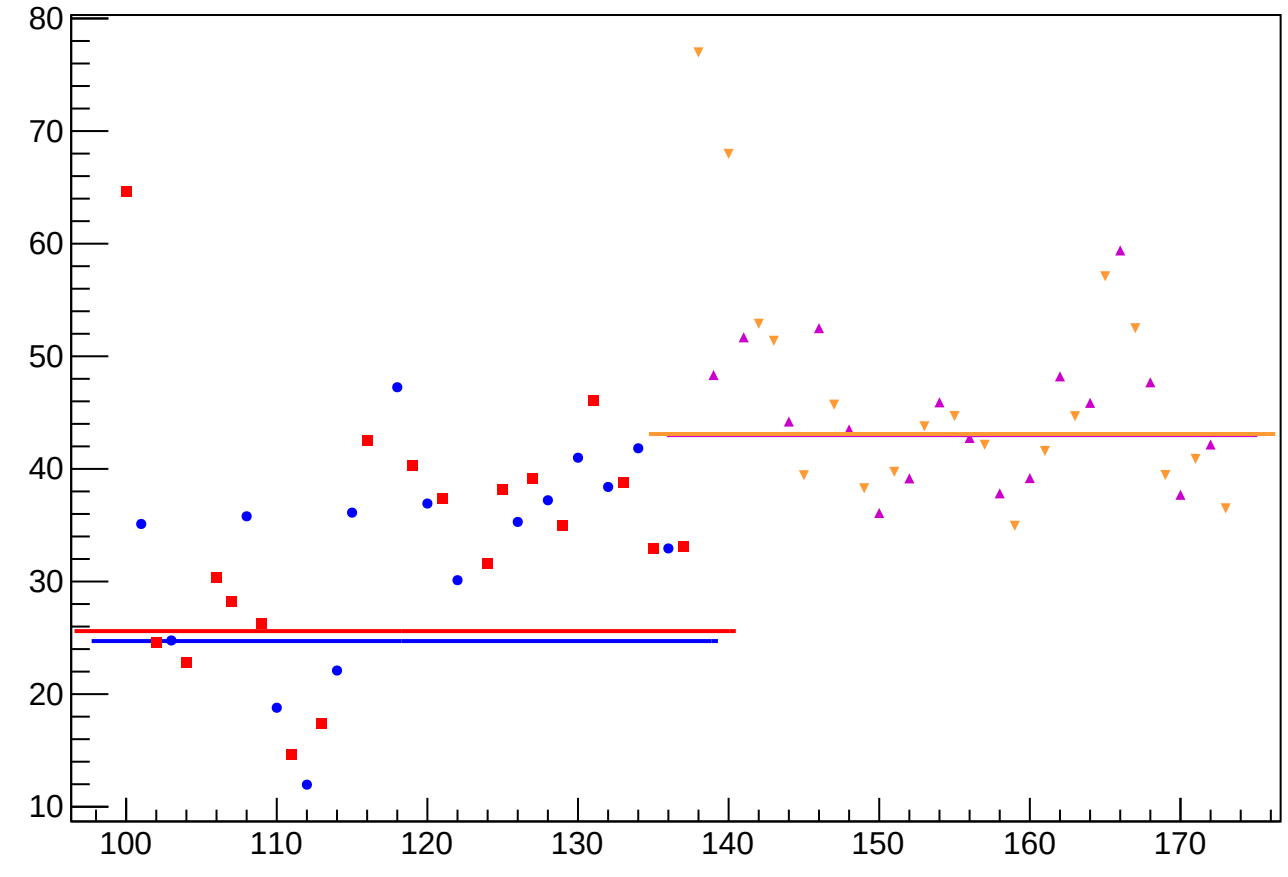
Left: -0.001+/-0.008 χ^2/NDF: 35.4/35

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.018+/-0.008 χ^2/NDF:36.2/32

Out: -0.001+/-0.008 χ^2/NDF:30.3/37

All: 0.008+/-0.005 χ^2/NDF: 69.6/70



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 43.099+/-0.008 χ^2/NDF:893298.8/18

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.001+/-0.008 χ^2/NDF:399036.9/16

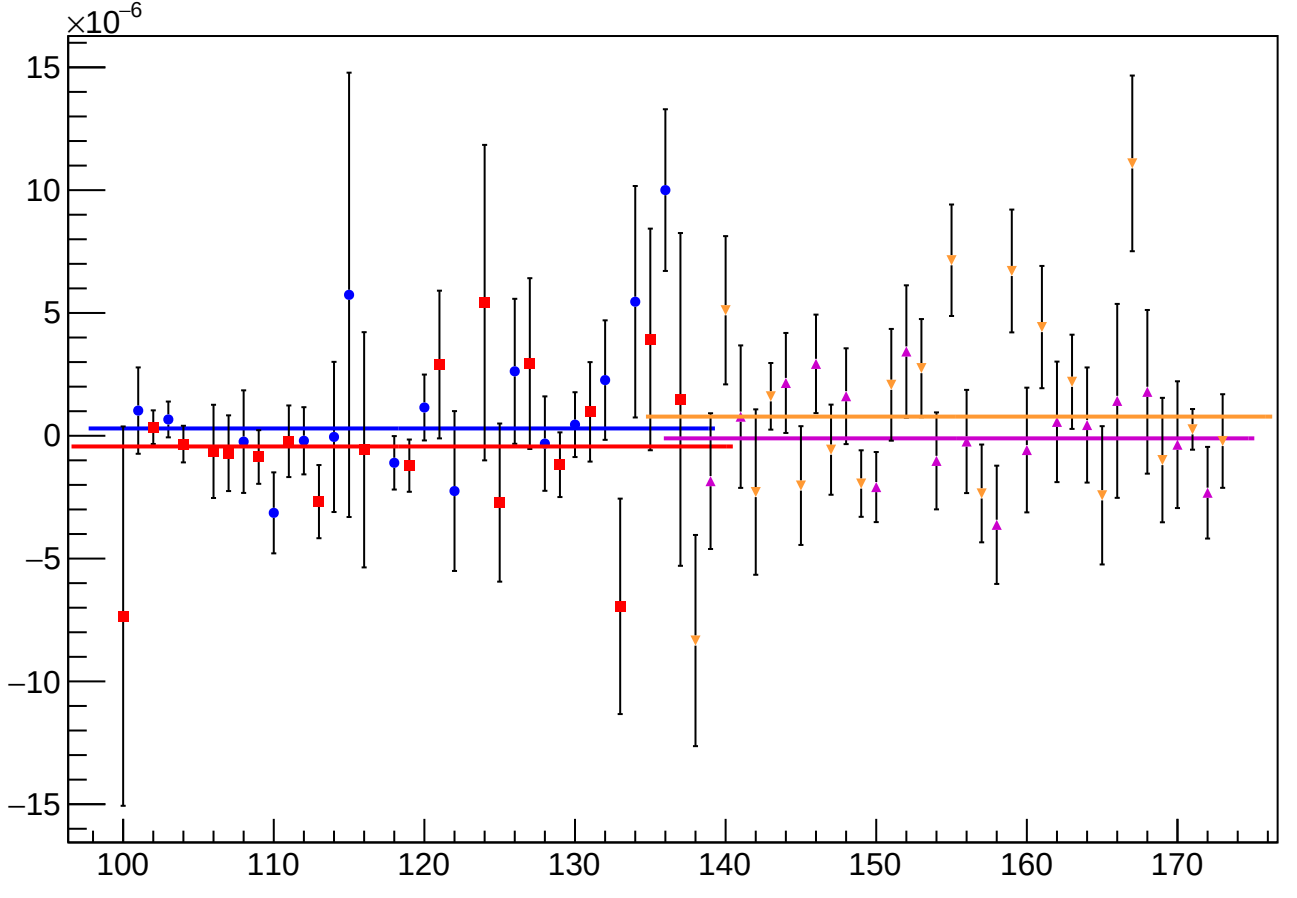
Left: 43.052+/-0.006 χ^2/NDF: 1292406.4/35

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 32.622+/-0.006 χ^2/NDF:5391457.8/32

Out: 33.415+/-0.005 χ^2/NDF:5053954.5/37

All: 33.024+/-0.004 χ^2/NDF: 10455876.0/70



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.4/18

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:12.8/16

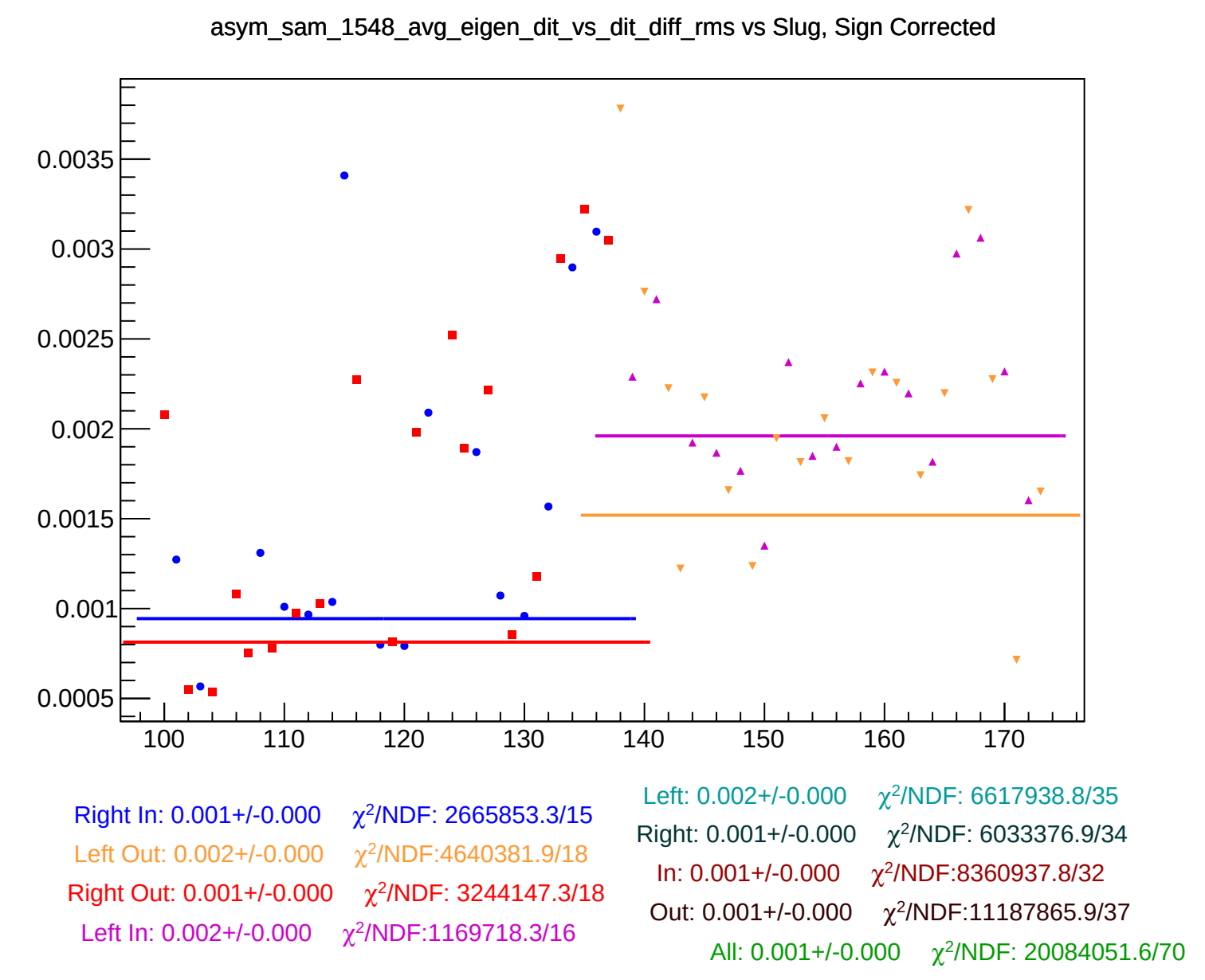
Left: 0.000+/-0.000 χ^2/NDF: 58.9/35

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

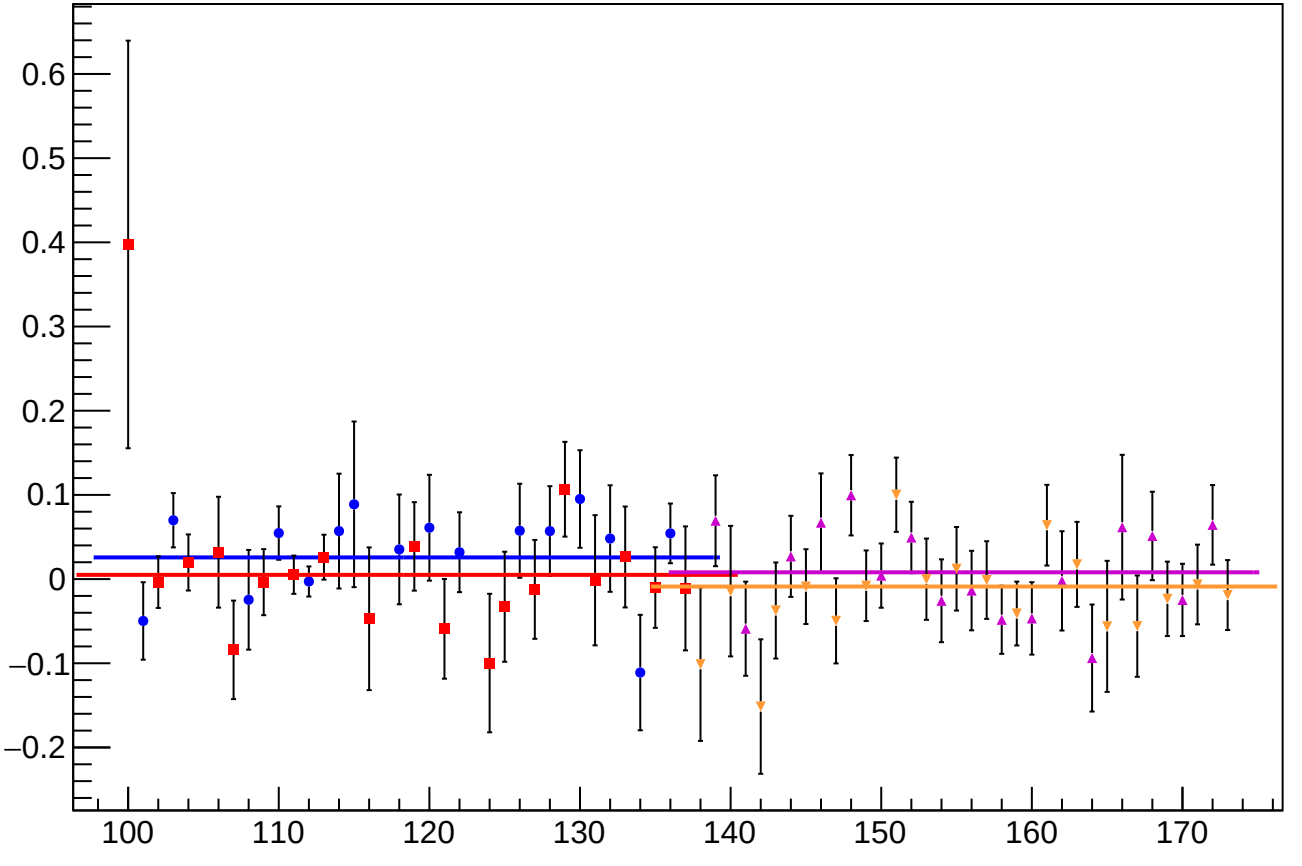
In: 0.000+/-0.000 χ^2/NDF:32.5/32

Out: 0.000+/-0.000 χ^2/NDF:62.0/37

All: 0.000+/-0.000 χ^2/NDF: 94.6/70


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
170
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:4640381.9/18
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:1169718.3/16
Left: 0.002+/-0.000 χ²/NDF: 6617938.8/35
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:8360937.8/32
Out: 0.001+/-0.000 χ²/NDF:11187865.9/37
All: 0.001+/-0.000 χ²/NDF: 20084051.6/70

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: -0.009+/-0.012 χ^2/NDF:15.9/18

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.008+/-0.012 χ^2/NDF:18.4/16

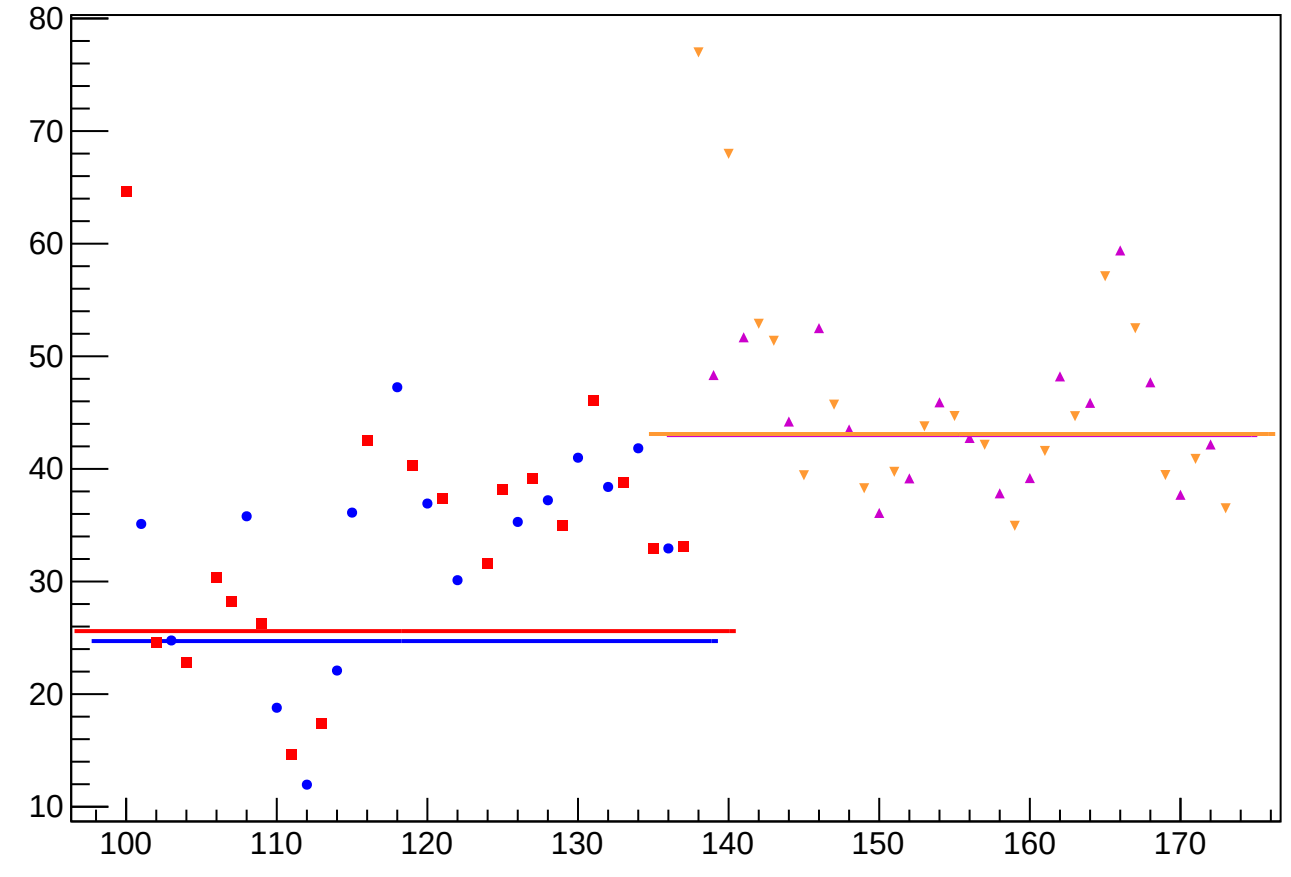
Left: -0.001+/-0.008 χ^2/NDF: 35.4/35

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.018+/-0.008 χ^2/NDF:36.2/32

Out: -0.001+/-0.008 χ^2/NDF:30.3/37

All: 0.008+/-0.005 χ^2/NDF: 69.6/70



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.100+/-0.008 χ^2/NDF:893282.9/18

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.001+/-0.008 χ^2/NDF:399032.9/16

Left: 43.052+/-0.006 χ^2/NDF: 1292386.4/35

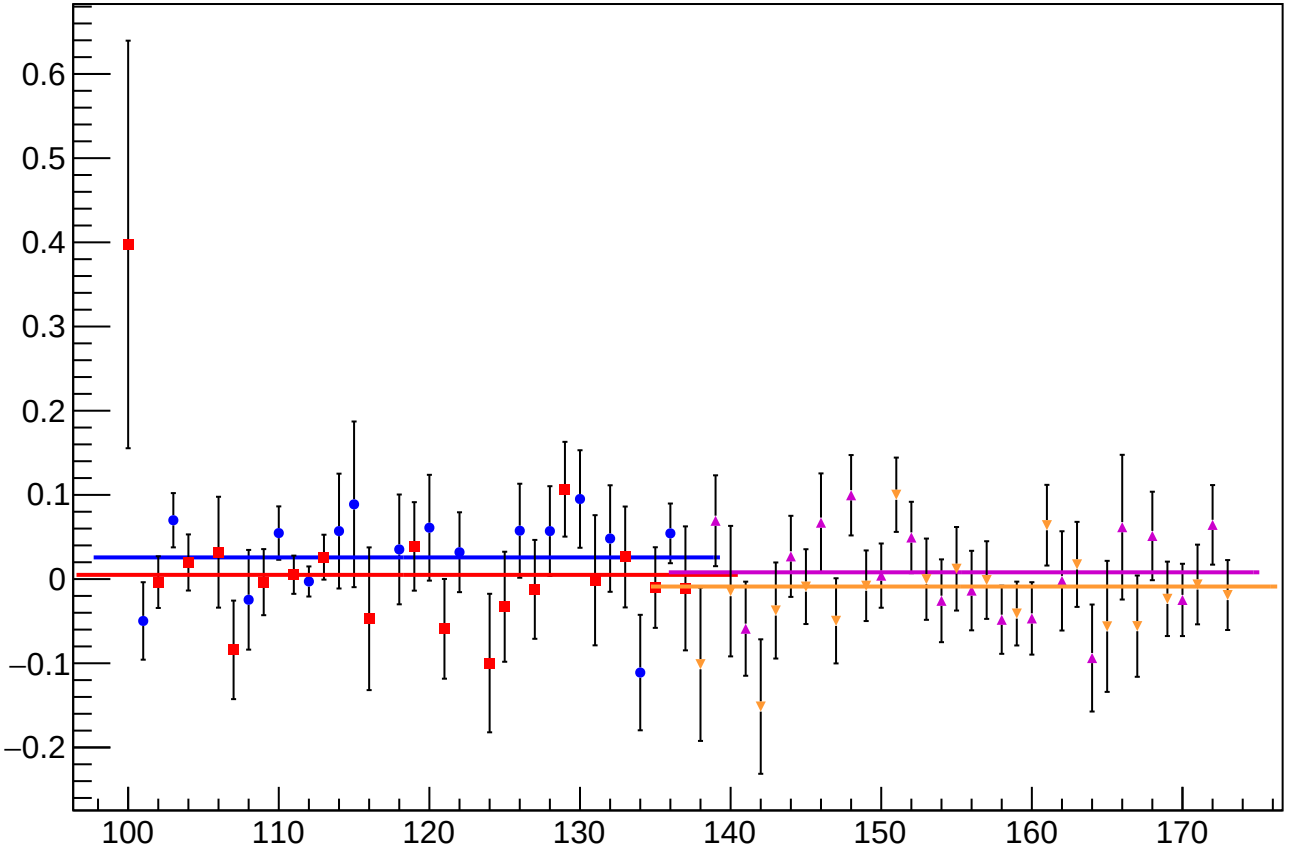
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 32.622+/-0.006 χ^2/NDF:5391921.8/32

Out: 33.415+/-0.005 χ^2/NDF:5054321.3/37

All: 33.023+/-0.004 χ^2/NDF: 10456710.5/70

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: -0.009+/-0.012 χ^2/NDF:15.9/18

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.008+/-0.012 χ^2/NDF:18.4/16

Left: -0.001+/-0.008 χ^2/NDF: 35.4/35

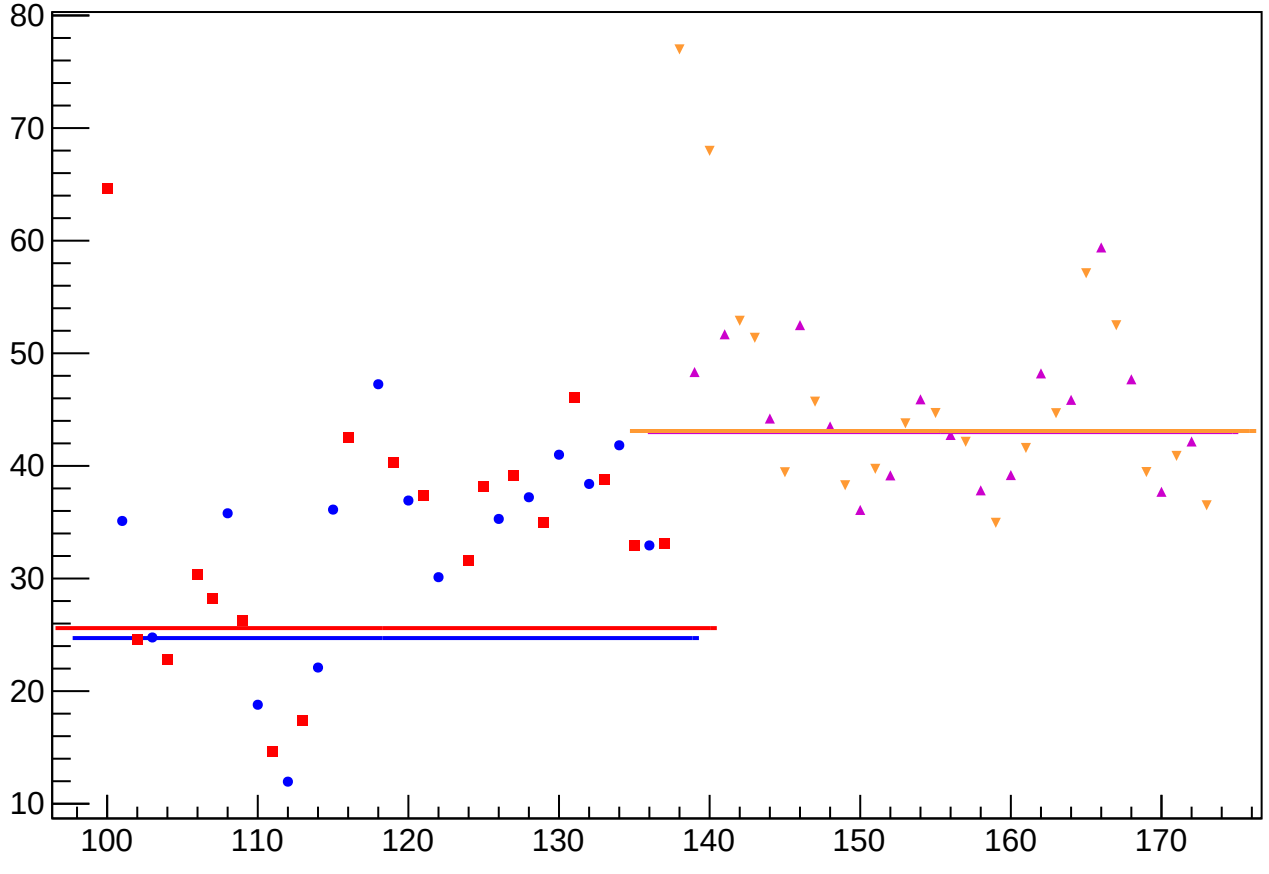
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.018+/-0.008 χ^2/NDF:36.2/32

Out: -0.001+/-0.008 χ^2/NDF:30.3/37

All: 0.008+/-0.005 χ^2/NDF: 69.6/70

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.100+/-0.008 χ^2/NDF:893282.9/18

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.001+/-0.008 χ^2/NDF:399032.9/16

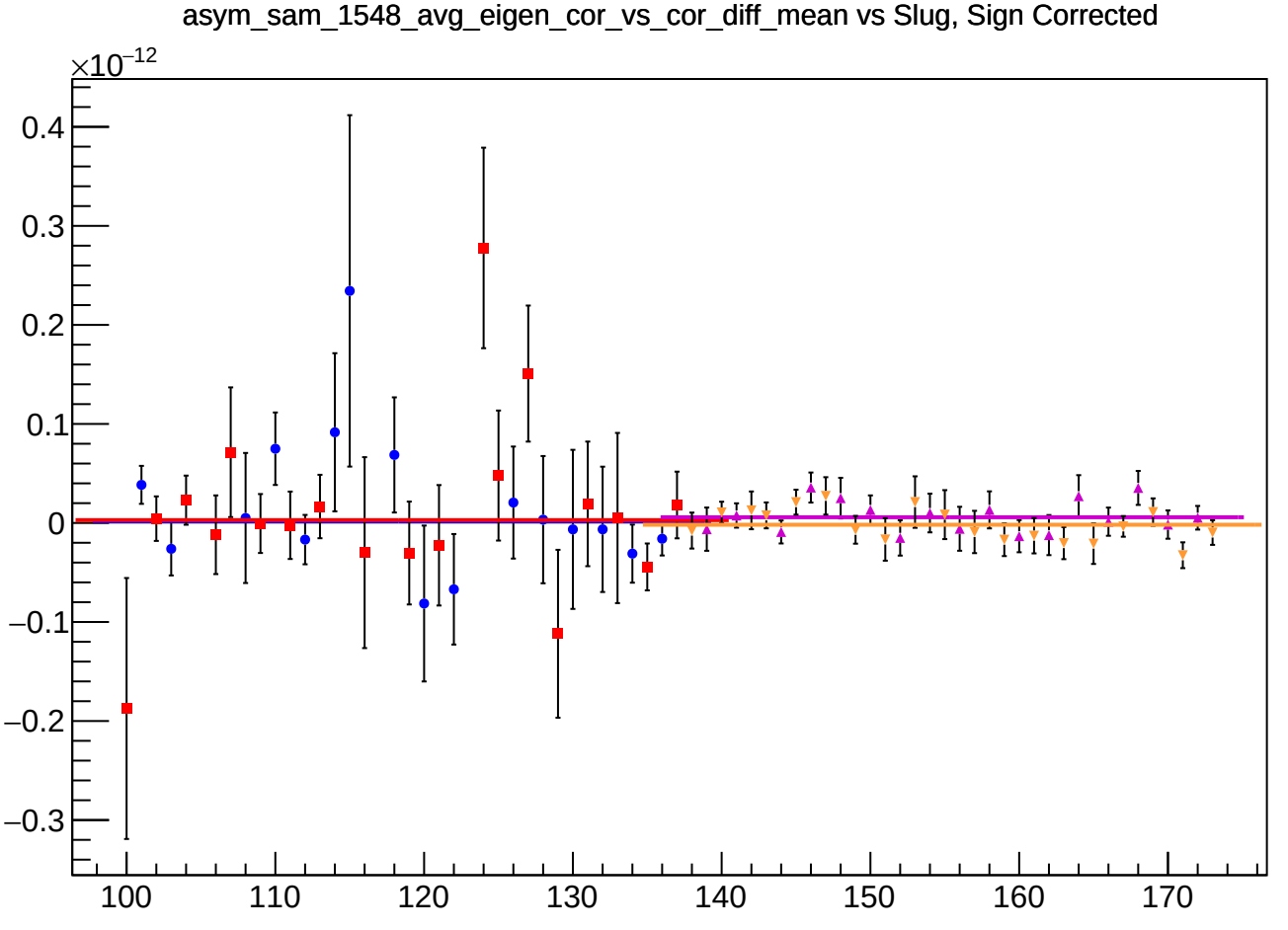
Left: 43.052+/-0.006 χ^2/NDF: 1292386.4/35

Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 32.622+/-0.006 χ^2/NDF:5391921.8/32

Out: 33.415+/-0.005 χ^2/NDF:5054321.3/37

All: 33.023+/-0.004 χ^2/NDF: 10456710.5/70



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: 0.000+/-0.000 χ^2/NDF:15.4/16

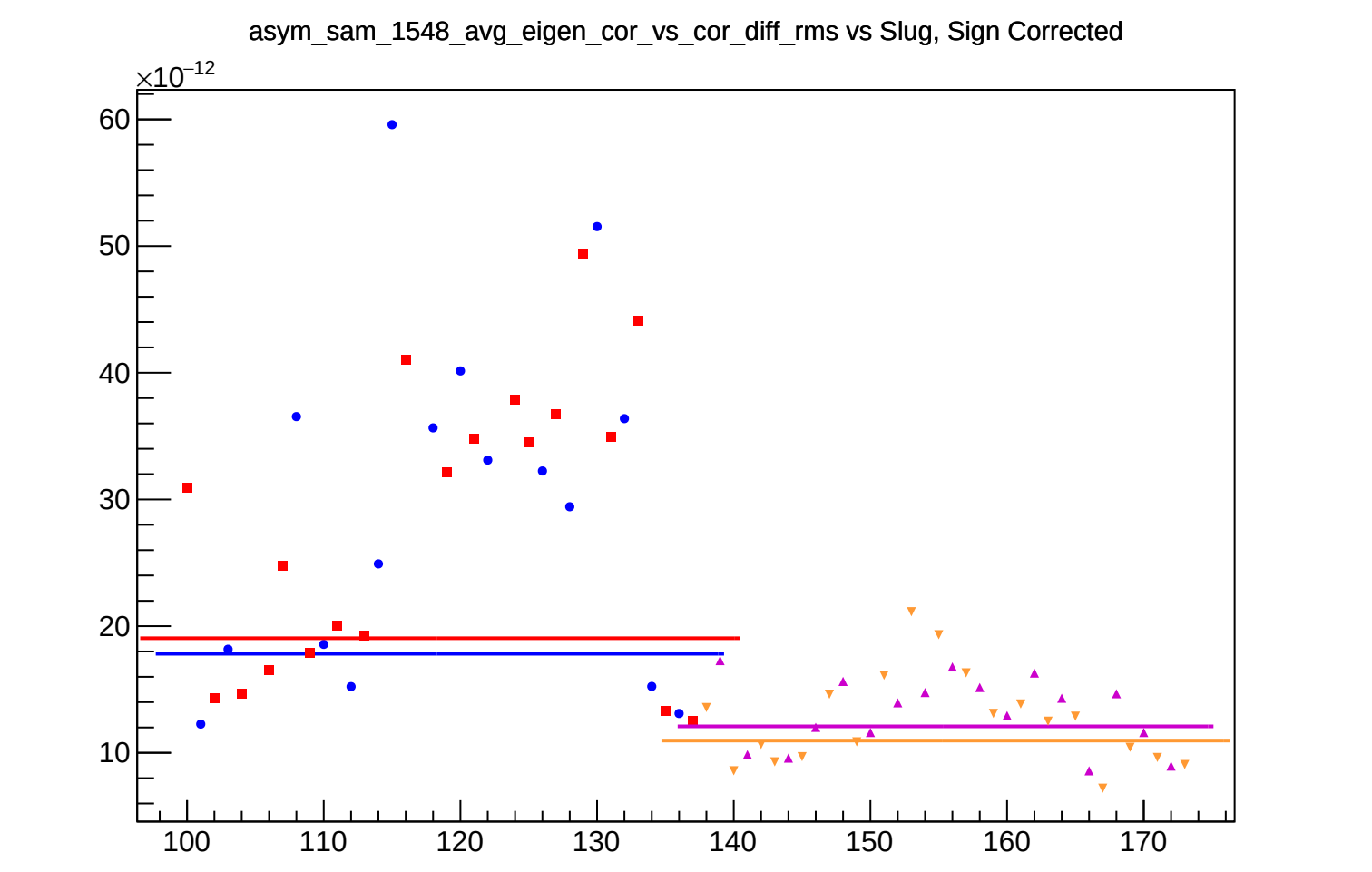
Left: 0.000+/-0.000 χ^2/NDF: 37.6/35

Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

In: 0.000+/-0.000 χ^2/NDF:34.3/32

Out: -0.000+/-0.000 χ^2/NDF:43.8/37

All: 0.000+/-0.000 χ^2/NDF: 79.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1494584.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

Left In: 0.000+/-0.000 χ^2/NDF:957594.1/16

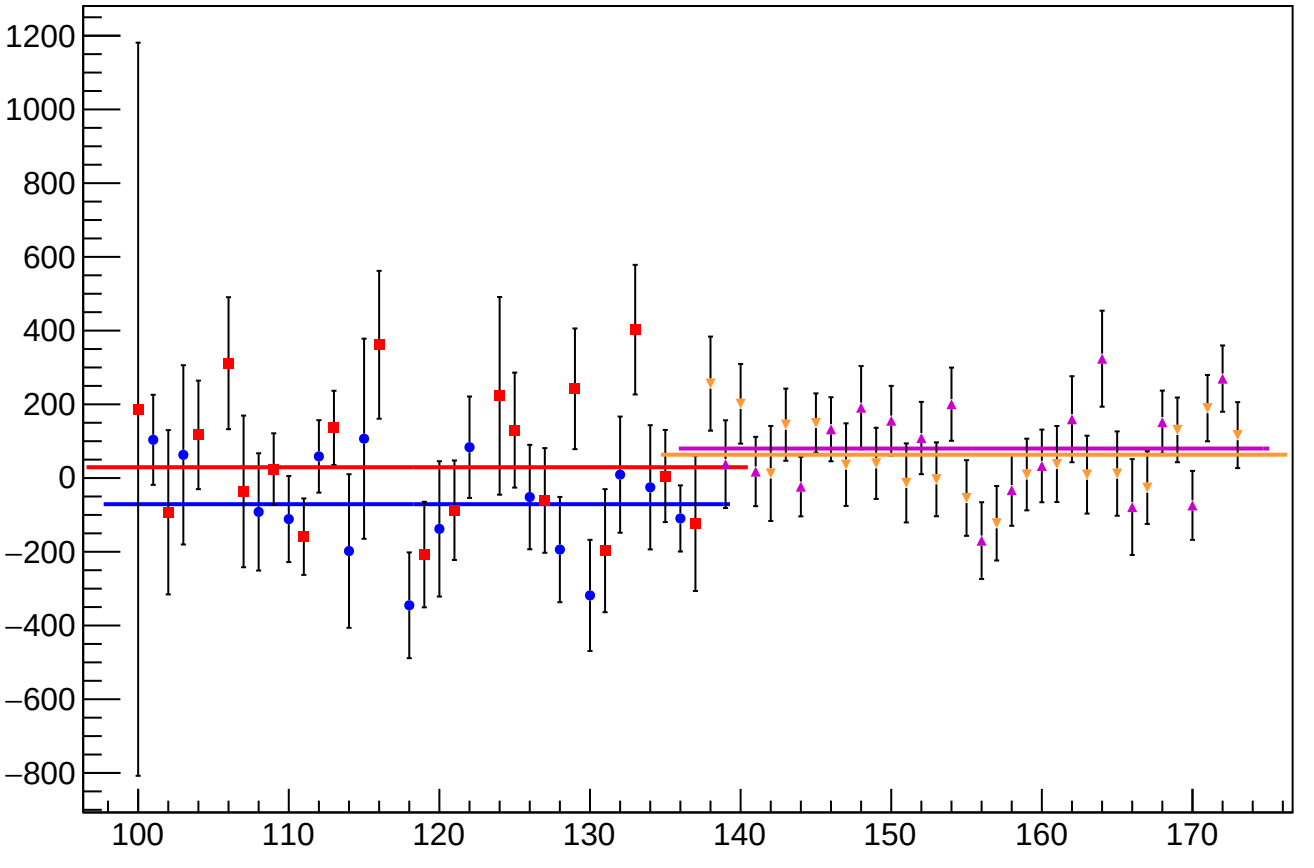
Left: 0.000+/-0.000 χ^2/NDF: 2544869.5/35

Right: 0.000+/-0.000 χ^2/NDF: 3509564.6/34

In: 0.000+/-0.000 χ^2/NDF:3556033.8/32

Out: 0.000+/-0.000 χ^2/NDF:4479187.6/37

All: 0.000+/-0.000 χ^2/NDF: 8128395.9/70



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 63.387+/-23.062 χ^2/NDF:16.2/18

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 80.095+/-24.022 χ^2/NDF:26.4/16

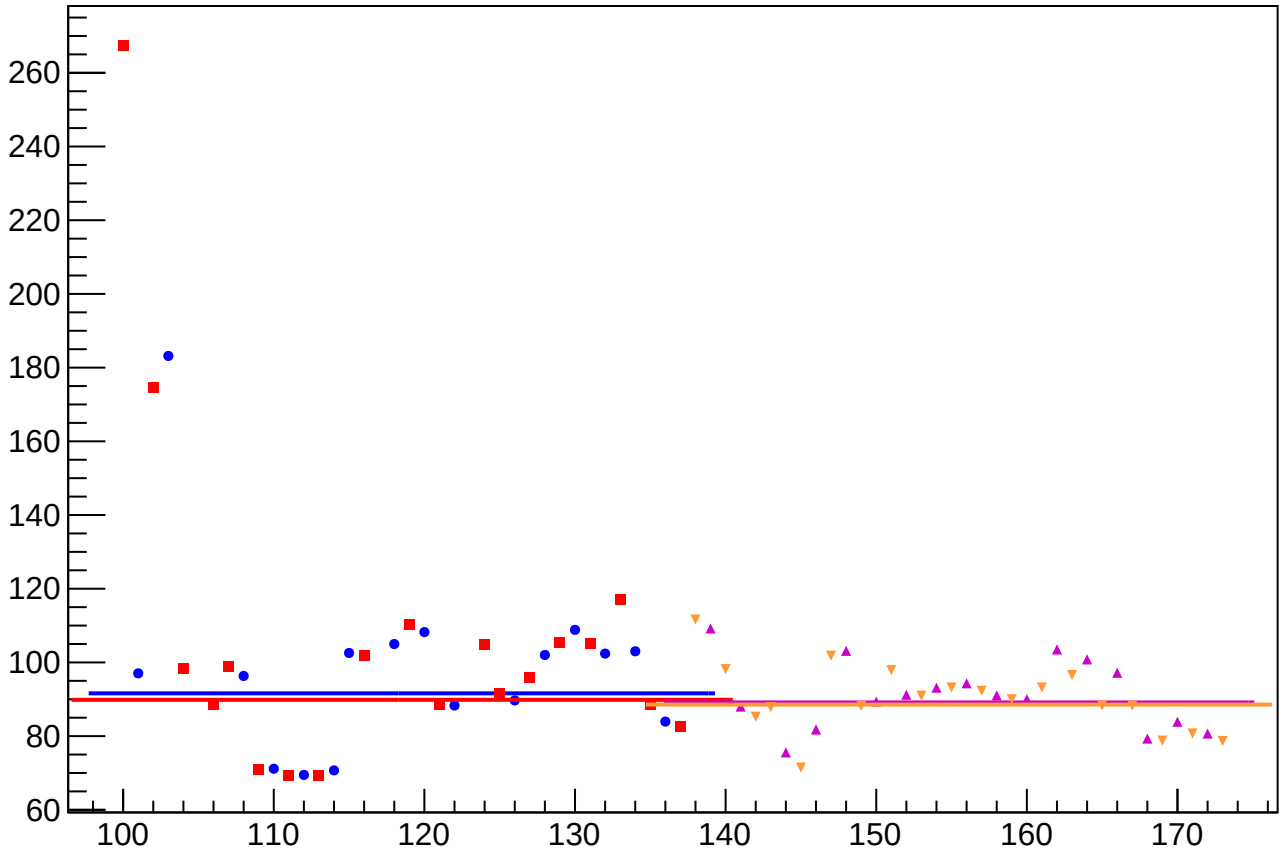
Left: 71.400+/-16.636 χ^2/NDF: 42.9/35

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 31.975+/-19.828 χ^2/NDF:53.0/32

Out: 52.785+/-19.128 χ^2/NDF:40.9/37

All: 42.753+/-13.766 χ^2/NDF: 94.5/70



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 88.558+/-0.016 χ^2/NDF:304707.0/18

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 89.143+/-0.017 χ^2/NDF:272953.5/16

Left: 88.839+/-0.012 χ^2/NDF: 578277.8/35

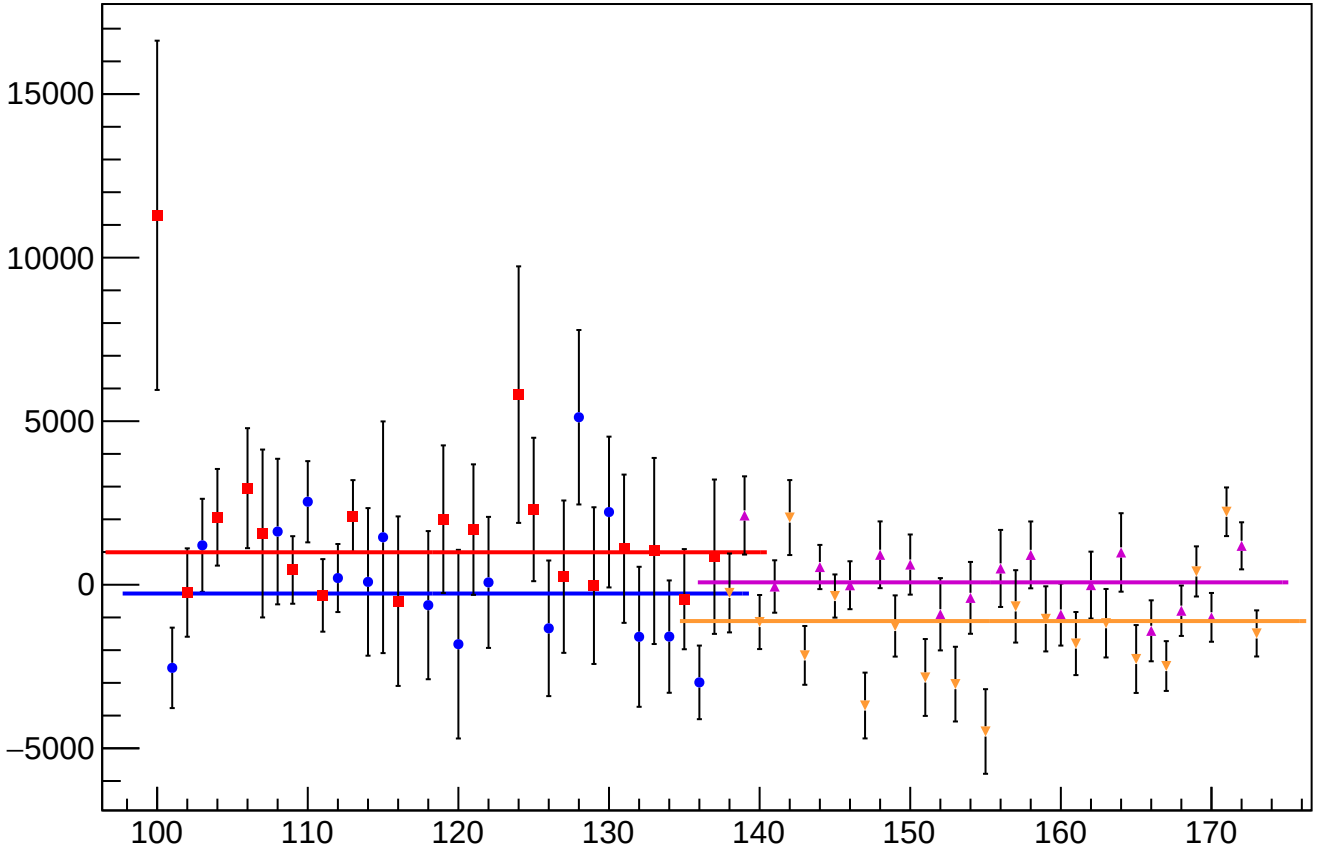
Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 89.929+/-0.014 χ^2/NDF:860337.4/32

Out: 88.963+/-0.014 χ^2/NDF:1052968.0/37

All: 89.428+/-0.010 χ^2/NDF: 1915764.4/70

asym_sam_3748_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1110.552+/-210.088 χ^2/NDF:58.9/18

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 73.172+/-217.690 χ^2/NDF:16.2/16

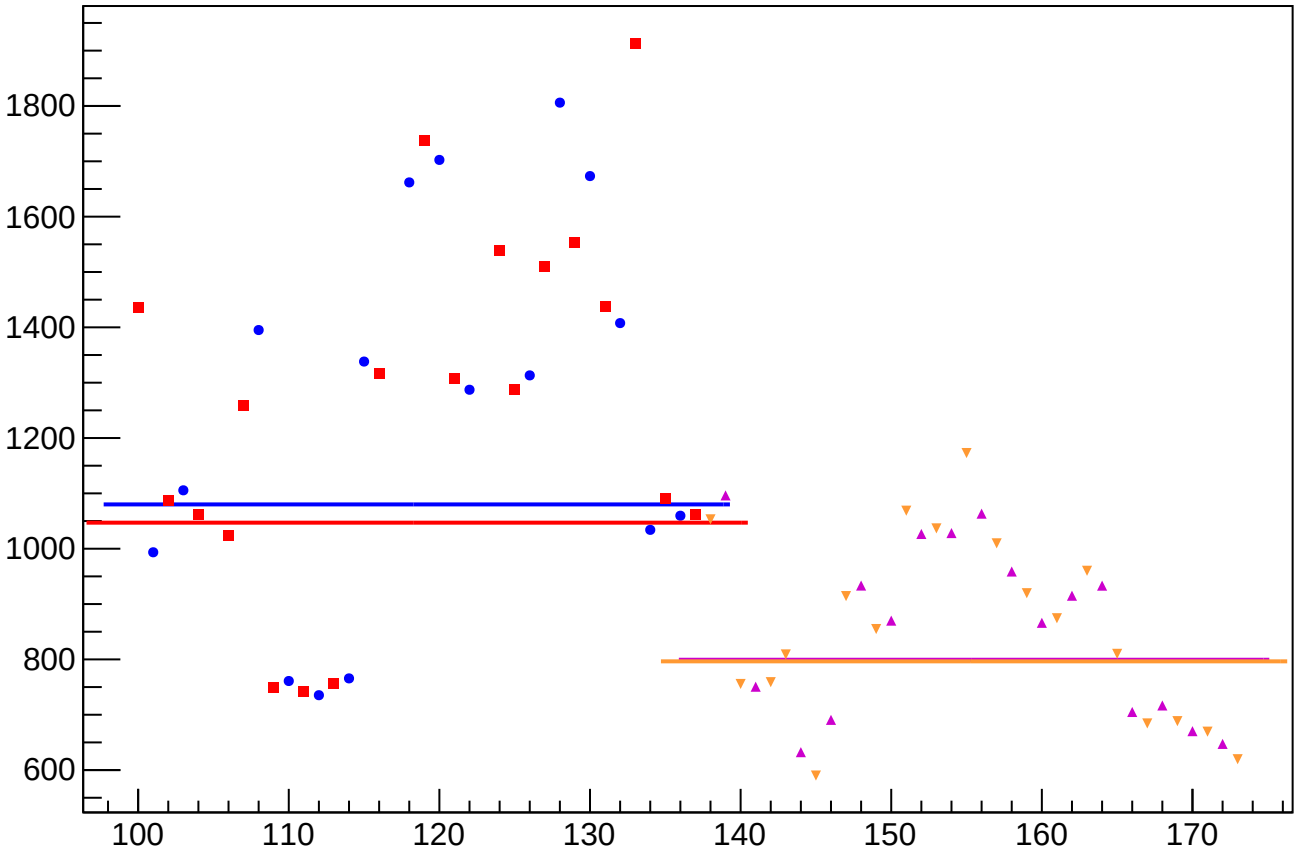
Left: -539.719+/-151.171 χ^2/NDF: 90.3/35

Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 0.709+/-193.231 χ^2/NDF:40.1/32

Out: -657.275+/-186.077 χ^2/NDF:93.1/37

All: -340.687+/-134.034 χ^2/NDF: 139.3/70



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 796.483+/-0.149 χ^2/NDF:1128530.5/18

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 799.370+/-0.154 χ^2/NDF:916740.4/16

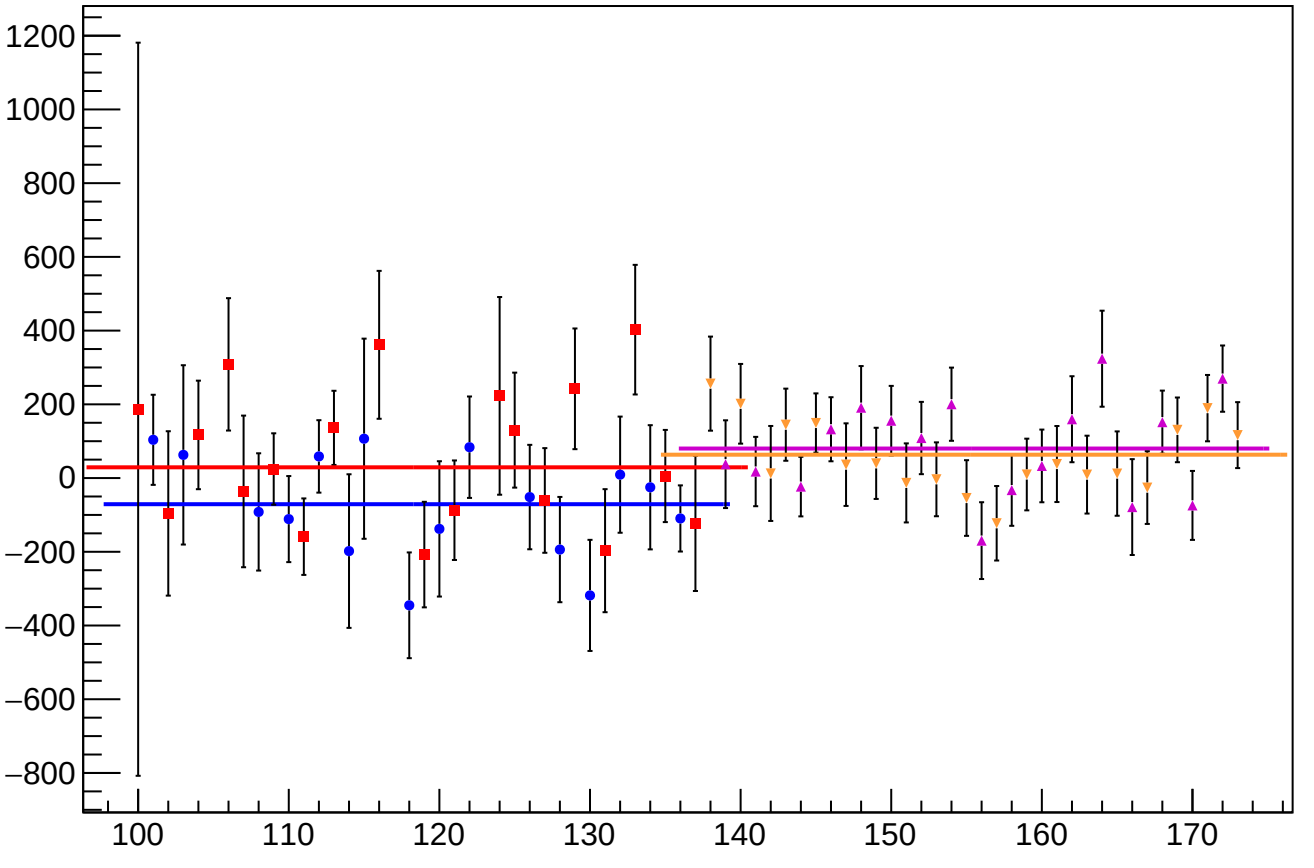
Left: 797.875+/-0.107 χ^2/NDF: 2045453.0/35

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 858.899+/-0.137 χ^2/NDF:2675370.0/32

Out: 850.488+/-0.132 χ^2/NDF:2940395.8/37

All: 854.535+/-0.095 χ^2/NDF: 5617732.1/70



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 63.390+/-23.062 χ^2/NDF:16.2/18

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 80.094+/-24.022 χ^2/NDF:26.4/16

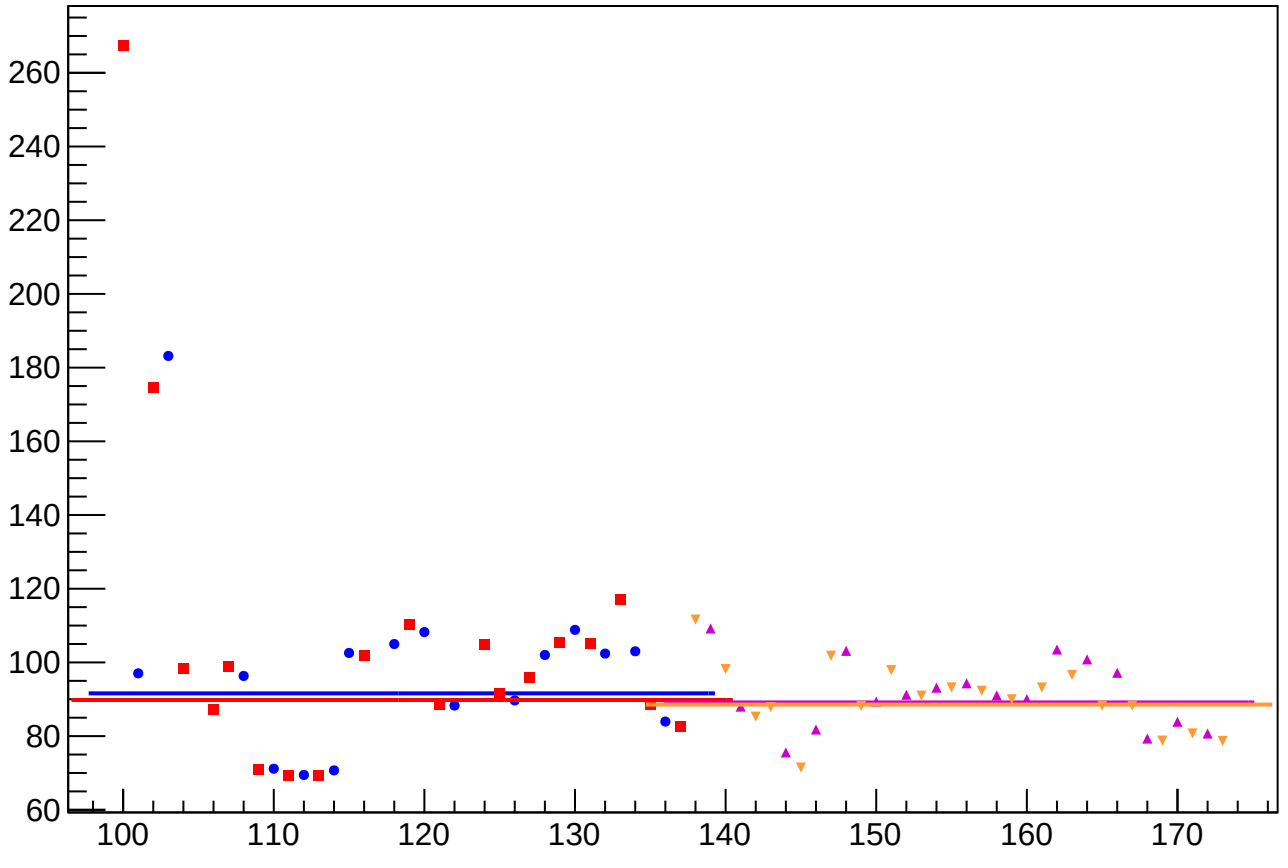
Left: 71.401+/-16.636 χ^2/NDF: 42.9/35

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 31.971+/-19.828 χ^2/NDF:53.0/32

Out: 52.710+/-19.129 χ^2/NDF:40.9/37

All: 42.712+/-13.767 χ^2/NDF: 94.5/70



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 88.558+/-0.016 χ^2/NDF:304707.0/18

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.143+/-0.017 χ^2/NDF:272953.5/16

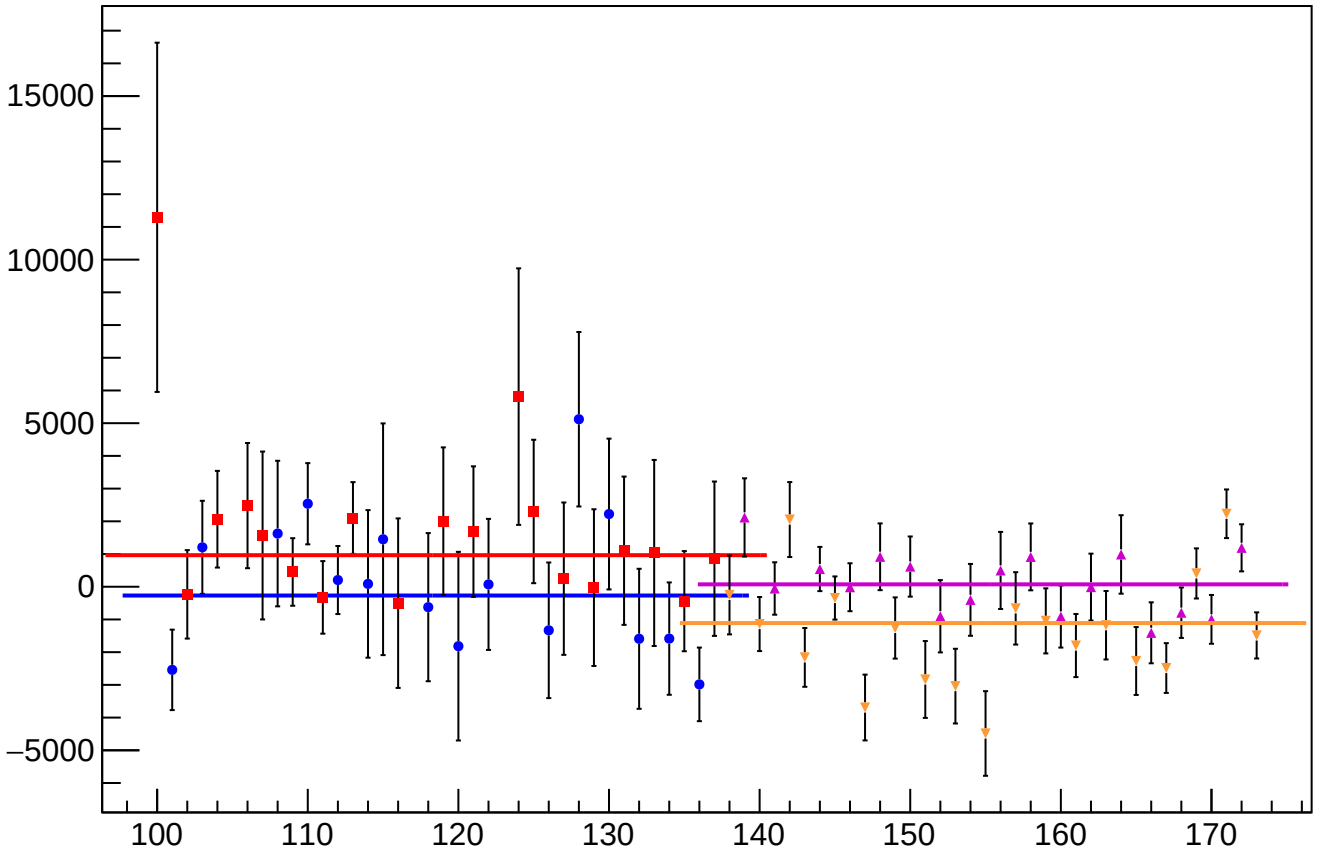
Left: 88.839+/-0.012 χ^2/NDF: 578277.8/35

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 89.929+/-0.014 χ^2/NDF:860340.5/32

Out: 88.948+/-0.014 χ^2/NDF:1053370.3/37

All: 89.421+/-0.010 χ^2/NDF: 1916246.0/70



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1110.547+/-210.088 χ^2/NDF:58.9/18

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 73.178+/-217.690 χ^2/NDF:16.2/16

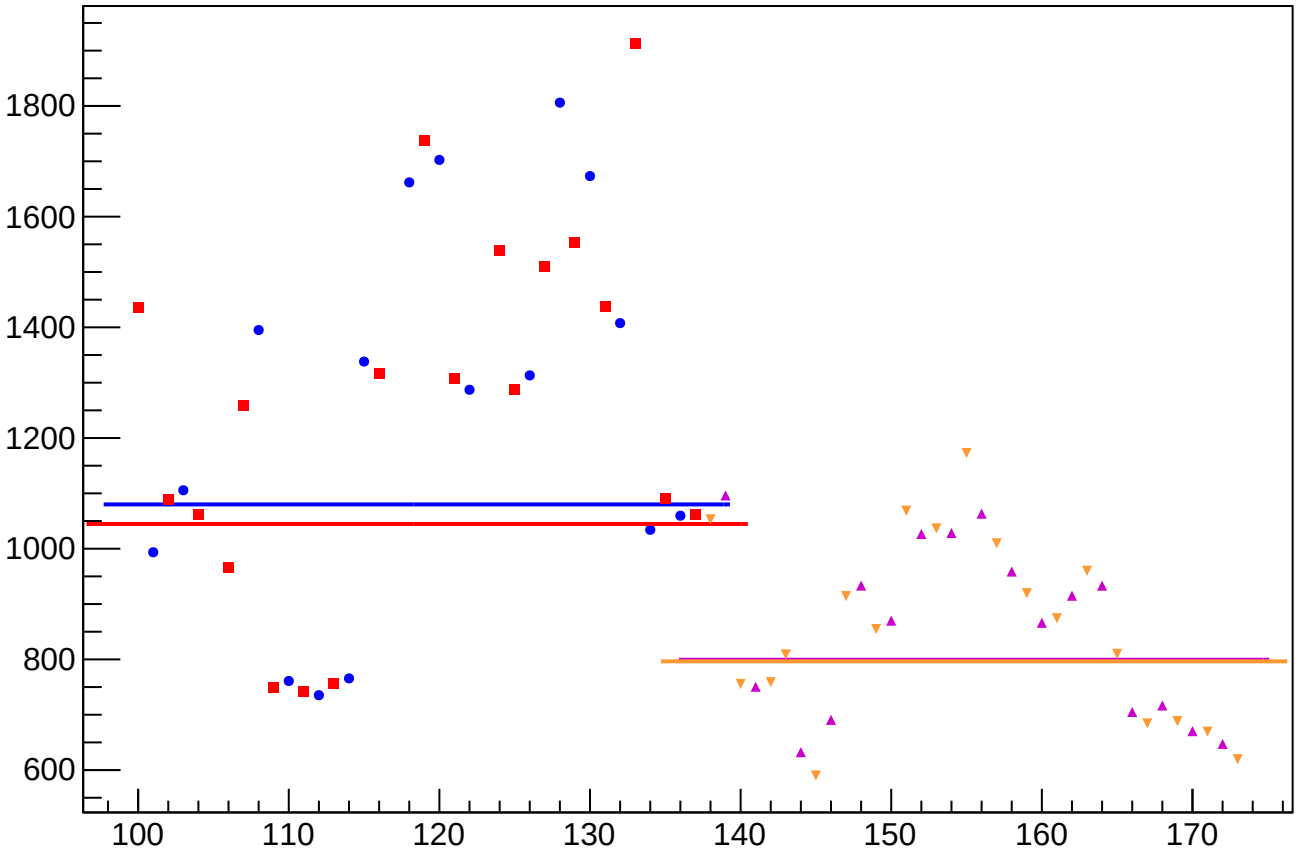
Left: -539.715+/-151.171 χ^2/NDF: 90.3/35

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 0.710+/-193.231 χ^2/NDF:40.1/32

Out: -664.651+/-186.158 χ^2/NDF:91.9/37

All: -344.371+/-134.064 χ^2/NDF: 138.2/70



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 796.483+/-0.149 χ^2/NDF:1128532.2/18

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 799.370+/-0.154 χ^2/NDF:916739.8/16

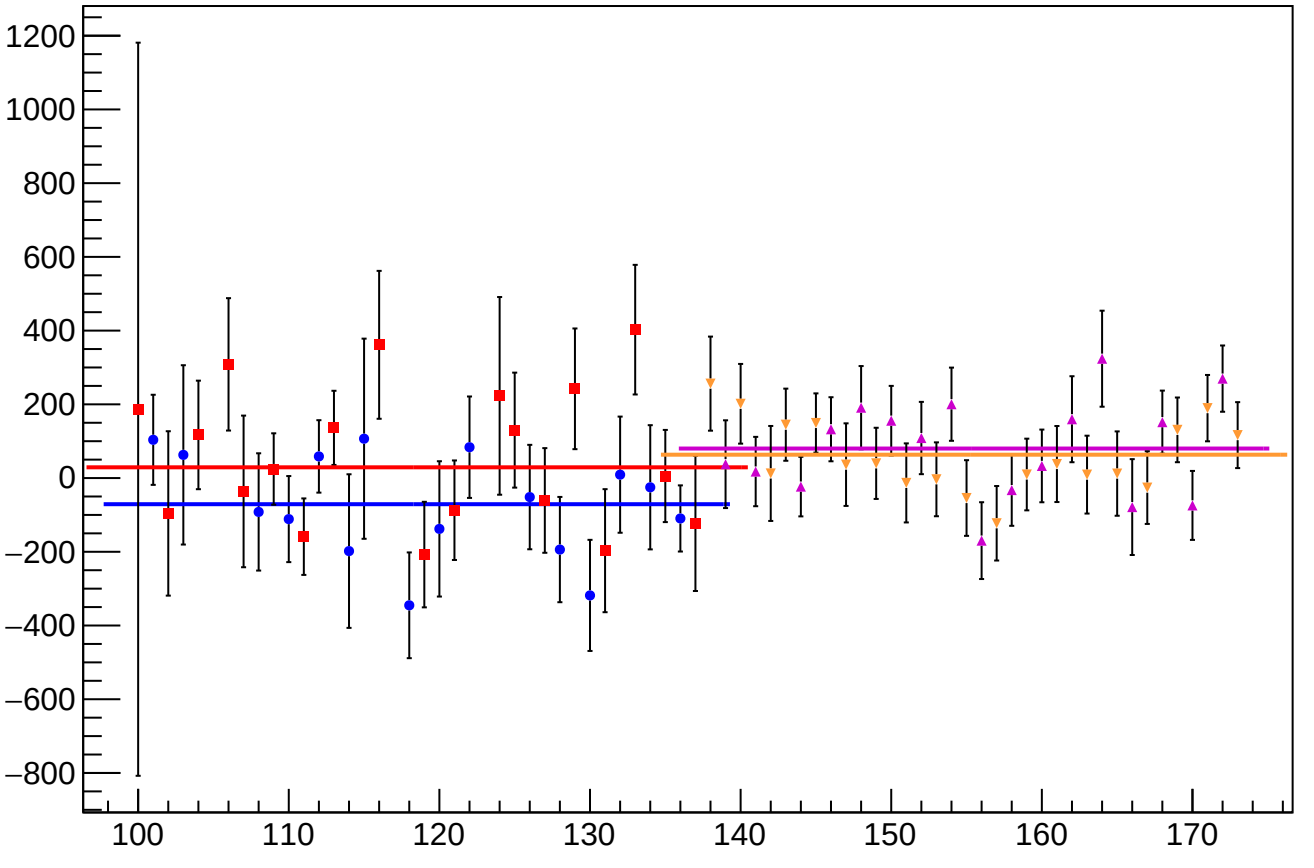
Left: 797.875+/-0.107 χ^2/NDF: 2045454.2/35

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 858.900+/-0.137 χ^2/NDF:2675409.8/32

Out: 849.812+/-0.132 χ^2/NDF:2930225.2/37

All: 854.187+/-0.095 χ^2/NDF: 5607929.6/70



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 63.390+/-23.062 χ^2/NDF:16.2/18

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 80.094+/-24.022 χ^2/NDF:26.4/16

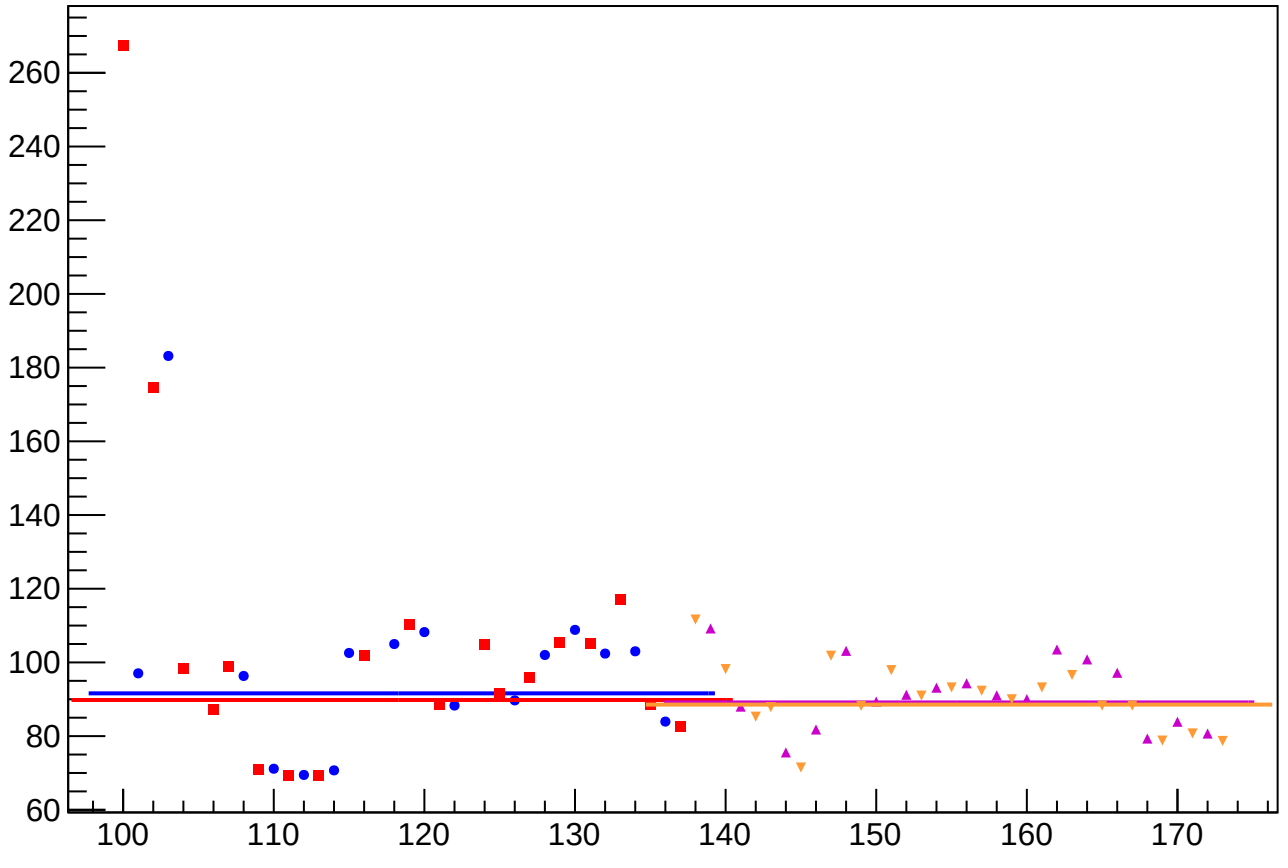
Left: 71.401+/-16.636 χ^2/NDF: 42.9/35

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 31.971+/-19.828 χ^2/NDF:53.0/32

Out: 52.710+/-19.129 χ^2/NDF:40.9/37

All: 42.712+/-13.767 χ^2/NDF: 94.5/70



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 88.558+/-0.016 χ^2/NDF:304707.0/18

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 89.143+/-0.017 χ^2/NDF:272953.5/16

Left: 88.839+/-0.012 χ^2/NDF: 578277.8/35

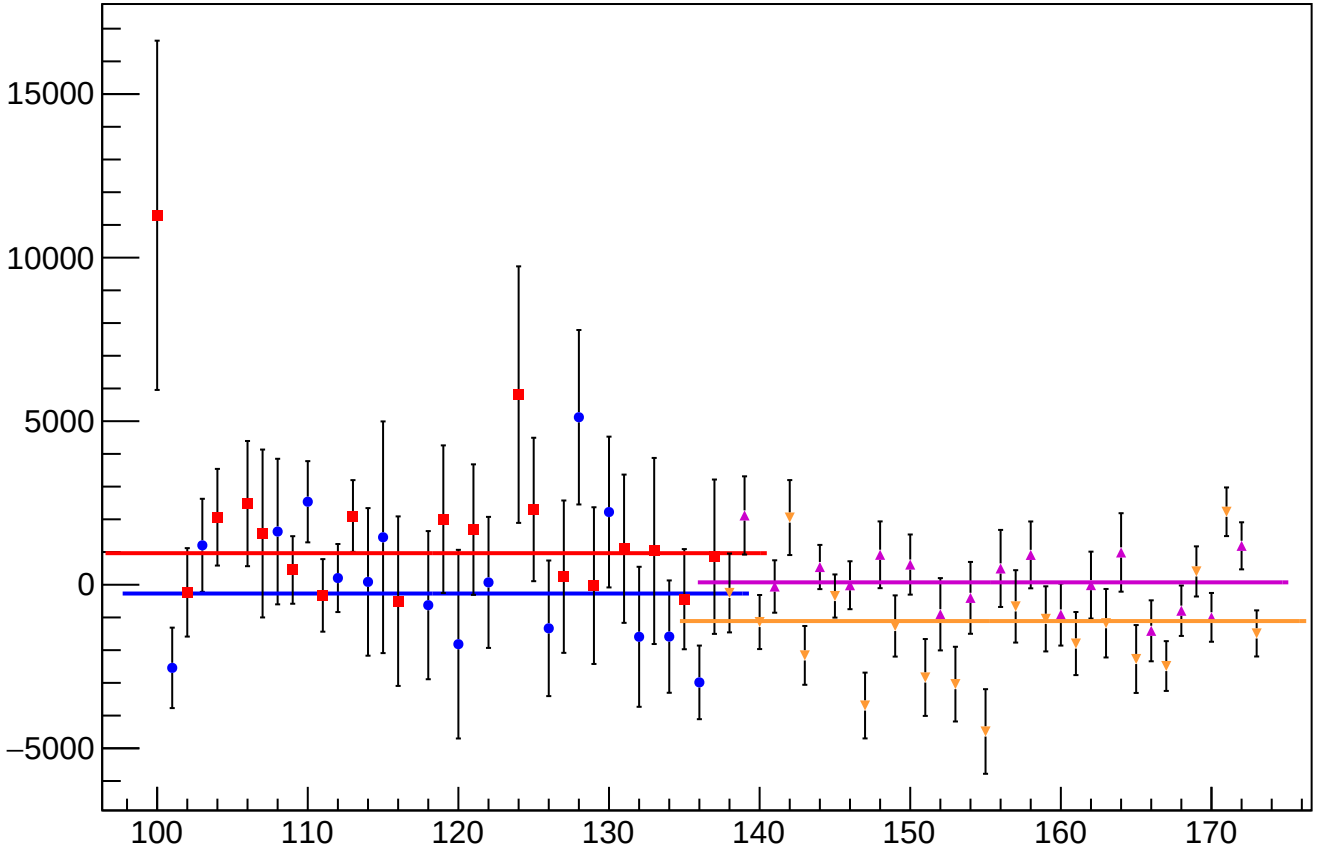
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 89.929+/-0.014 χ^2/NDF:860340.5/32

Out: 88.948+/-0.014 χ^2/NDF:1053370.3/37

All: 89.421+/-0.010 χ^2/NDF: 1916246.0/70

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1110.547+/-210.088 χ^2/NDF:58.9/18

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 73.178+/-217.690 χ^2/NDF:16.2/16

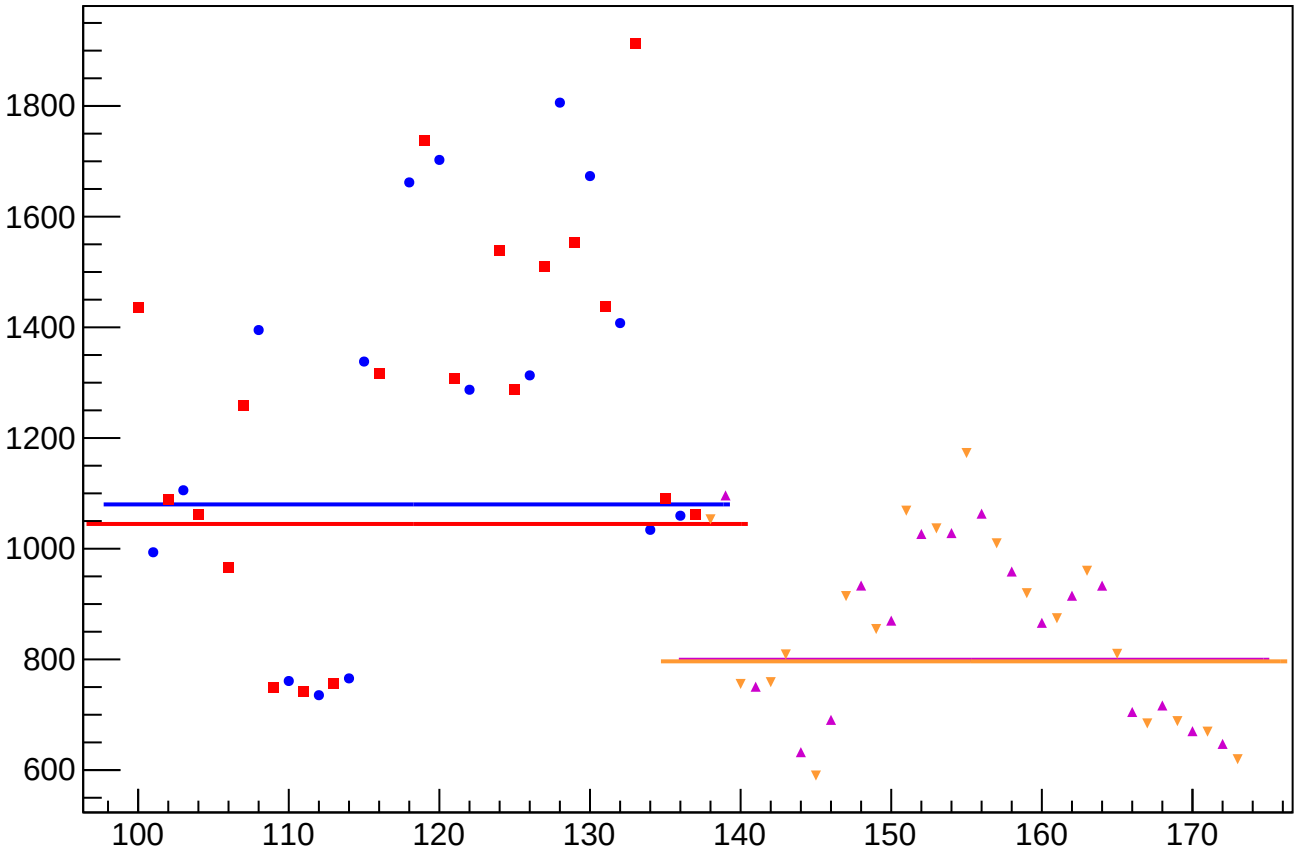
Left: -539.715+/-151.171 χ^2/NDF: 90.3/35

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 0.710+/-193.231 χ^2/NDF:40.1/32

Out: -664.651+/-186.158 χ^2/NDF:91.9/37

All: -344.371+/-134.064 χ^2/NDF: 138.2/70



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 796.483+/-0.149 χ^2/NDF:1128532.2/18

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 799.370+/-0.154 χ^2/NDF:916739.8/16

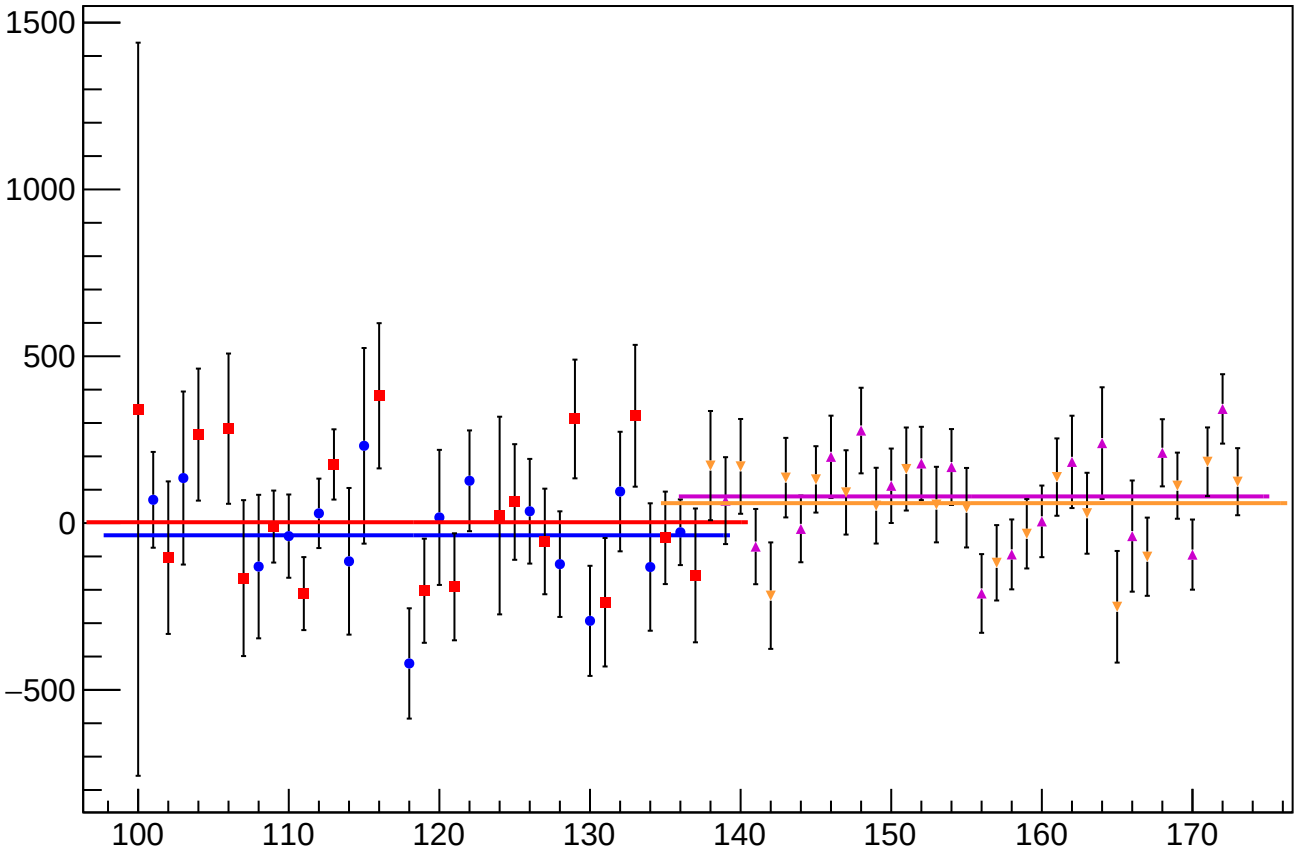
Left: 797.875+/-0.107 χ^2/NDF: 2045454.2/35

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 858.900+/-0.137 χ^2/NDF:2675409.8/32

Out: 849.812+/-0.132 χ^2/NDF:2930225.2/37

All: 854.187+/-0.095 χ^2/NDF: 5607929.6/70



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 59.734+/-27.040 χ^2/NDF:17.0/18

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: 79.931+/-28.173 χ^2/NDF:29.6/16

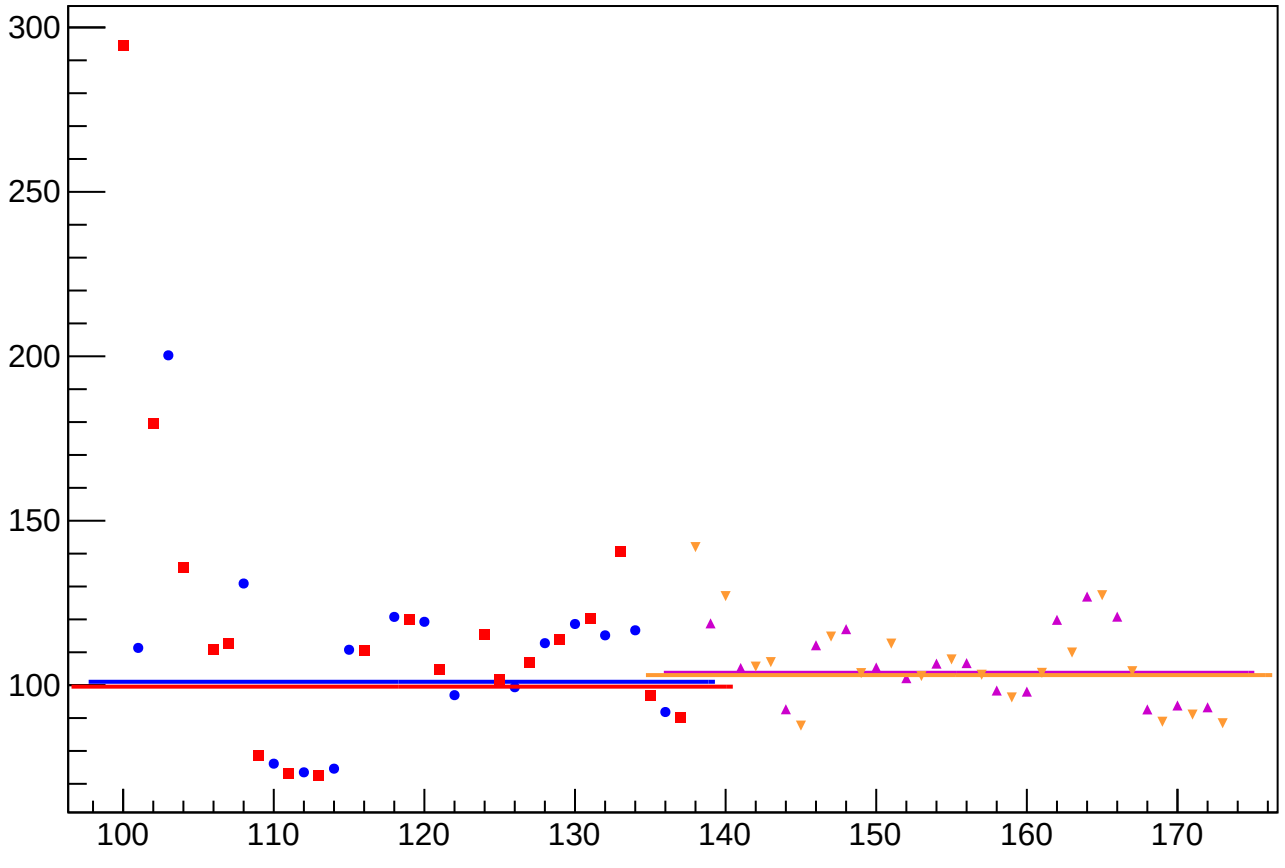
Left: 69.419+/-19.509 χ^2/NDF: 46.9/35

Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 39.964+/-22.836 χ^2/NDF:48.4/32

Out: 40.628+/-22.064 χ^2/NDF:43.3/37

All: 40.307+/-15.867 χ^2/NDF: 91.6/70



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 103.063+/-0.019 χ^2/NDF:420864.9/18

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 103.765+/-0.020 χ^2/NDF:245641.3/16

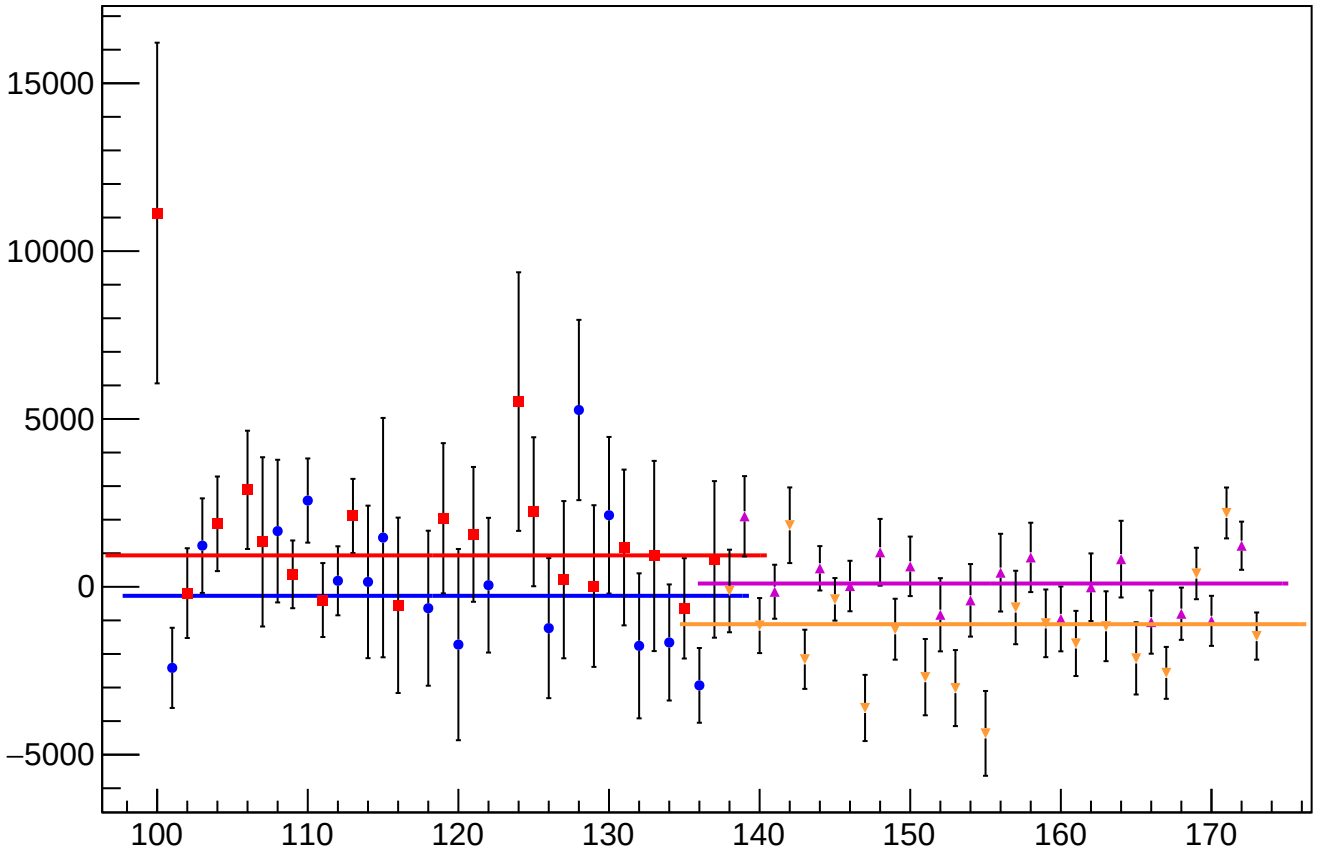
Left: 103.400+/-0.014 χ^2/NDF: 667153.6/35

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 102.828+/-0.016 χ^2/NDF:968198.6/32

Out: 101.888+/-0.016 χ^2/NDF:1312662.1/37

All: 102.341+/-0.011 χ^2/NDF: 2282612.4/70



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1112.691+/-208.748 χ^2/NDF:56.3/18

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 98.676+/-216.613 χ^2/NDF:15.3/16

Left: -529.398+/-150.311 χ^2/NDF: 87.8/35

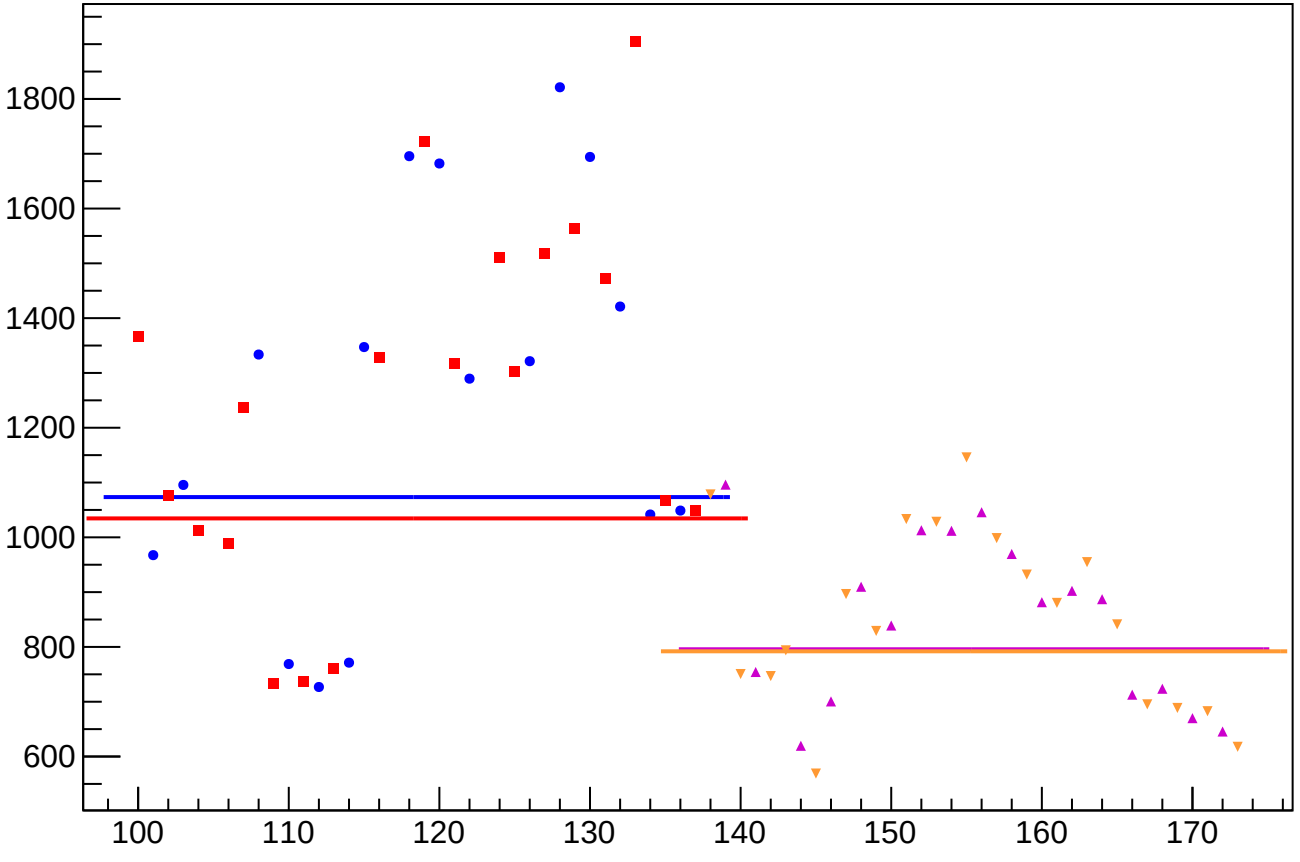
Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 20.802+/-192.231 χ^2/NDF:39.4/32

Out: -667.451+/-184.686 χ^2/NDF:90.4/37

All: -337.098+/-133.180 χ^2/NDF: 136.4/70

asym_sam_3748_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 792.006+/-0.148 χ^2/NDF:1136469.5/18

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 795.731+/-0.153 χ^2/NDF:874095.7/16

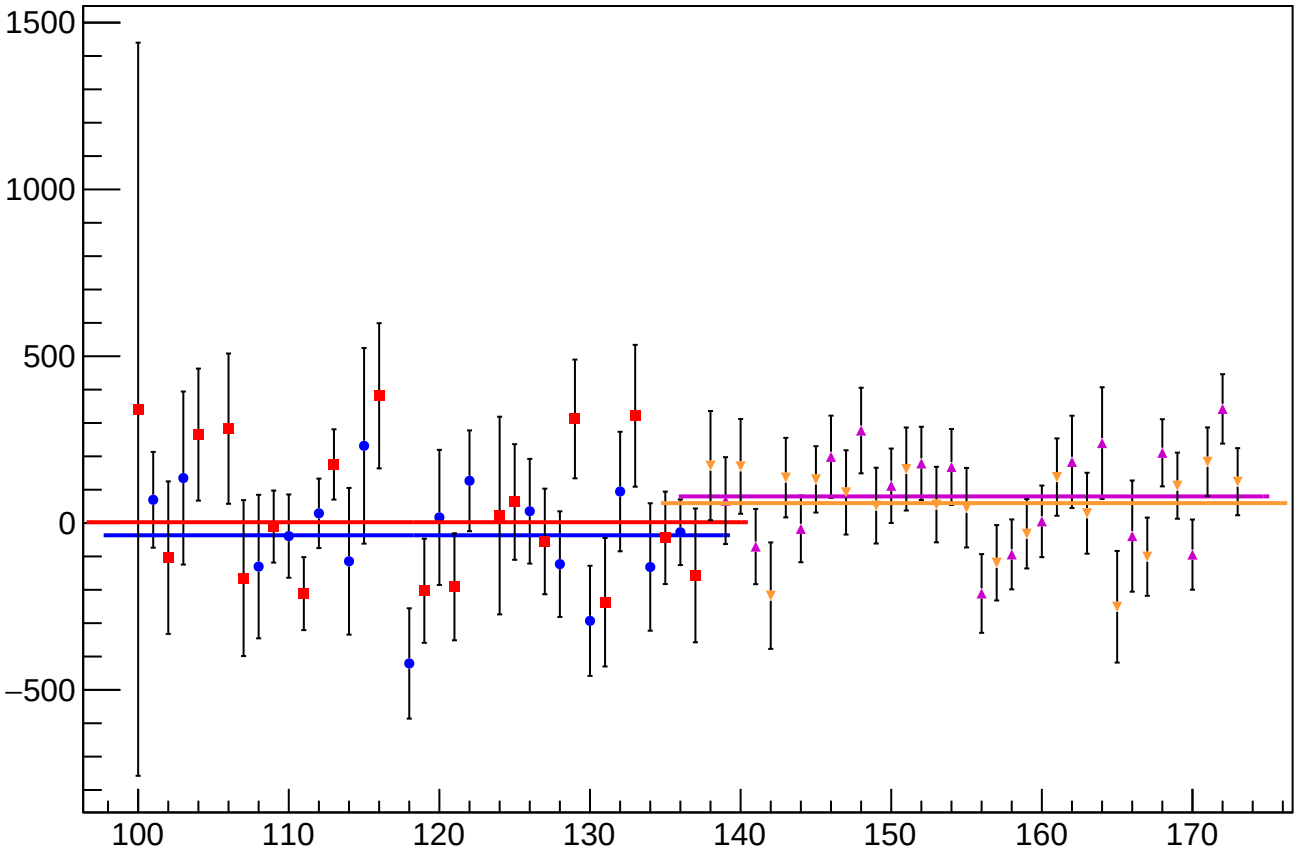
Left: 793.800+/-0.106 χ^2/NDF: 2010871.9/35

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 854.732+/-0.136 χ^2/NDF:2649607.7/32

Out: 844.696+/-0.131 χ^2/NDF:2952323.5/37

All: 849.513+/-0.094 χ^2/NDF: 5604766.4/70



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 59.736+/-27.041 χ^2/NDF:17.0/18

Right Out: 2.566+/-38.165 χ^2/NDF: 24.7/18

Left In: 79.931+/-28.173 χ^2/NDF:29.6/16

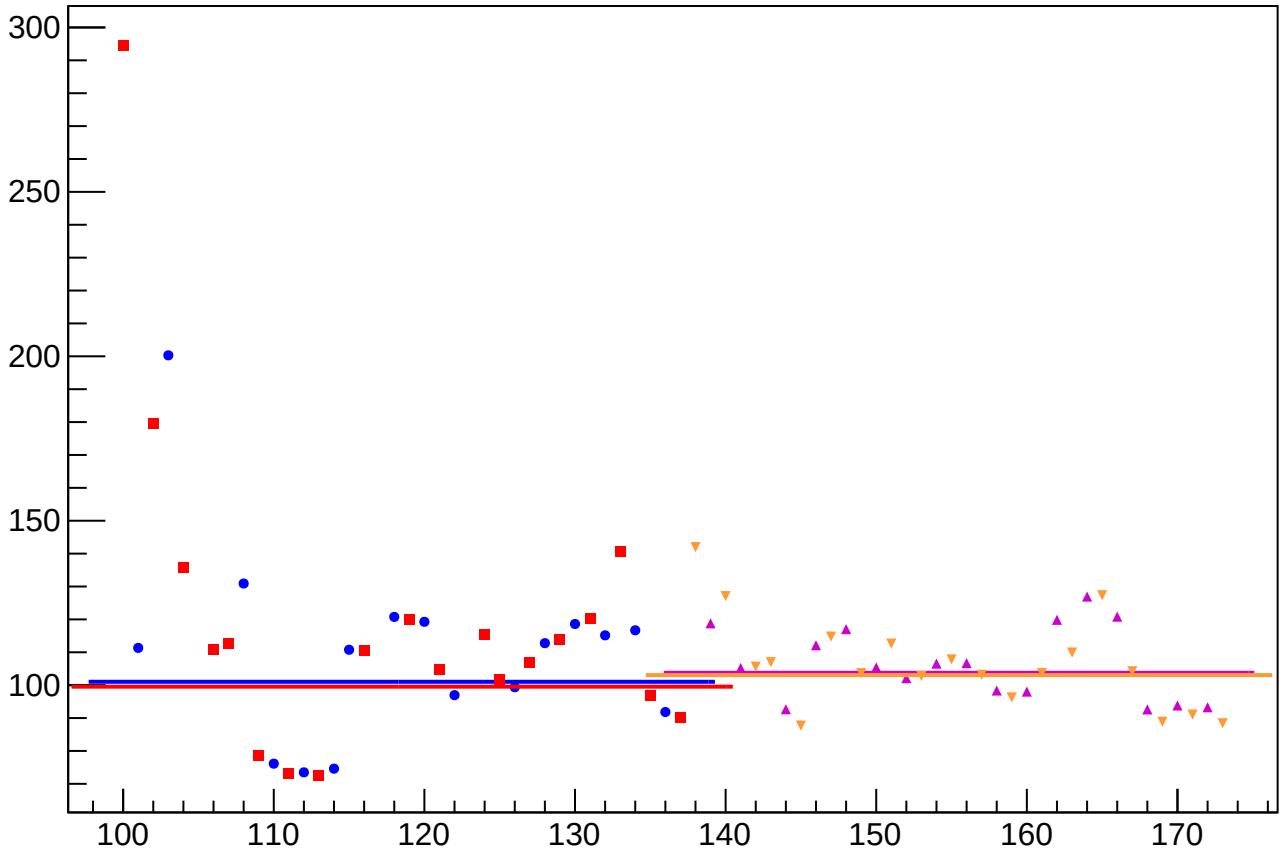
Left: 69.419+/-19.509 χ^2/NDF: 46.9/35

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: 39.964+/-22.836 χ^2/NDF:48.4/32

Out: 40.628+/-22.064 χ^2/NDF:43.3/37

All: 40.307+/-15.867 χ^2/NDF: 91.6/70



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 103.063+/-0.019 χ^2/NDF:420861.7/18

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 103.766+/-0.020 χ^2/NDF:245641.6/16

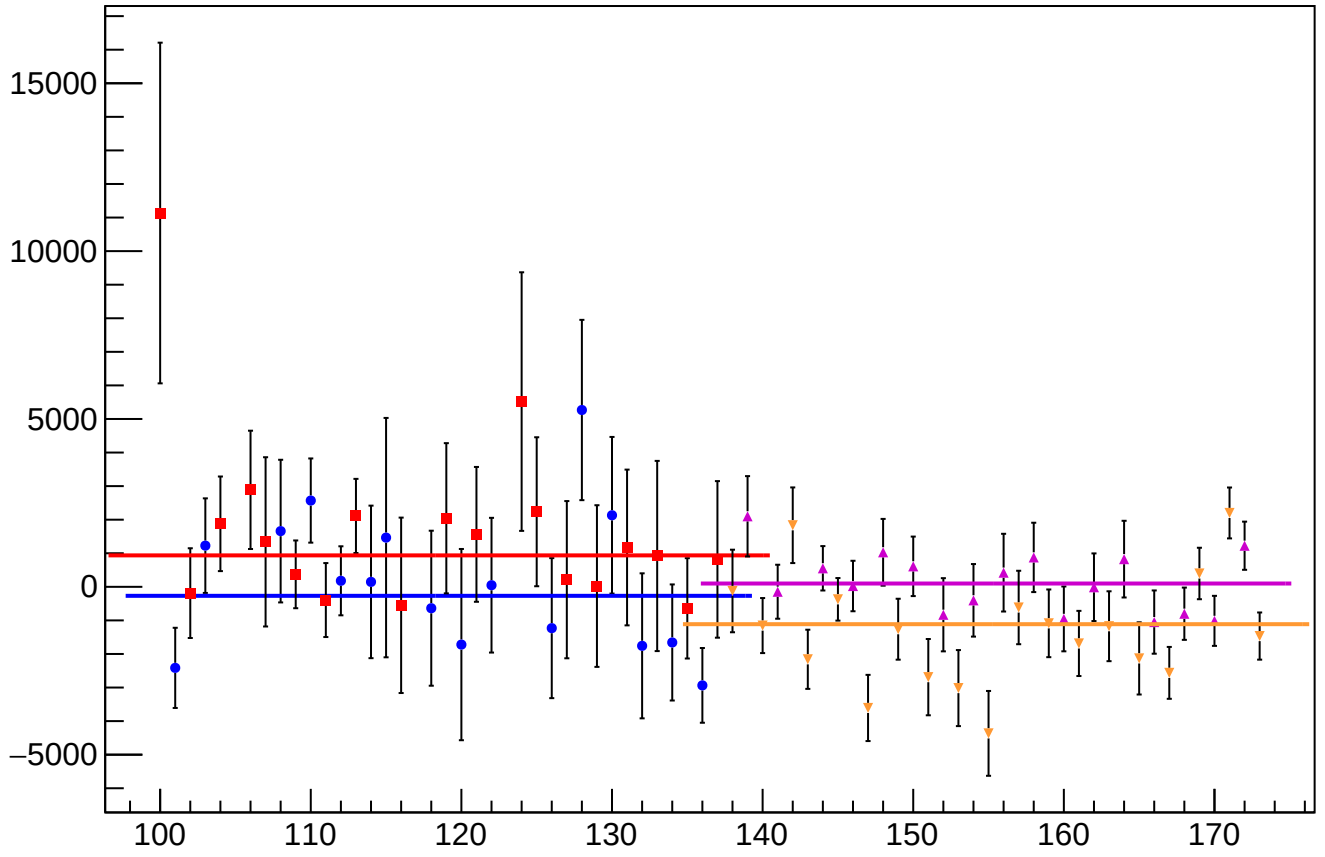
Left: 103.400+/-0.014 χ^2/NDF: 667150.7/35

Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 102.828+/-0.016 χ^2/NDF:968198.4/32

Out: 101.888+/-0.016 χ^2/NDF:1312662.4/37

All: 102.342+/-0.011 χ^2/NDF: 2282612.4/70



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1112.690+/-208.748 χ^2/NDF:56.3/18

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 98.675+/-216.613 χ^2/NDF:15.3/16

Left: -529.398+/-150.310 χ^2/NDF: 87.8/35

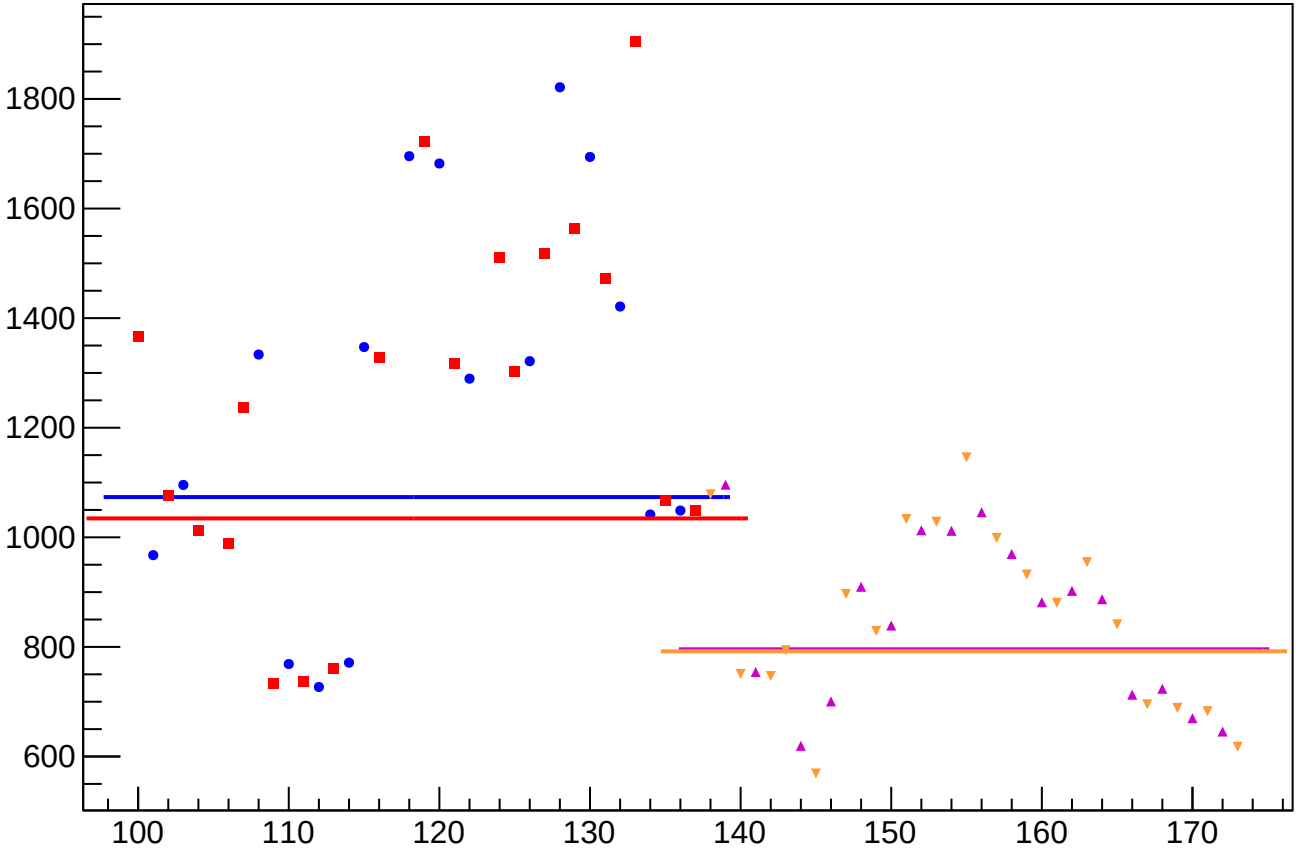
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 20.801+/-192.231 χ^2/NDF:39.4/32

Out: -667.451+/-184.685 χ^2/NDF:90.4/37

All: -337.098+/-133.180 χ^2/NDF: 136.4/70

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 792.005+/-0.148 χ^2/NDF:1136472.4/18

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 795.730+/-0.153 χ^2/NDF:874096.0/16

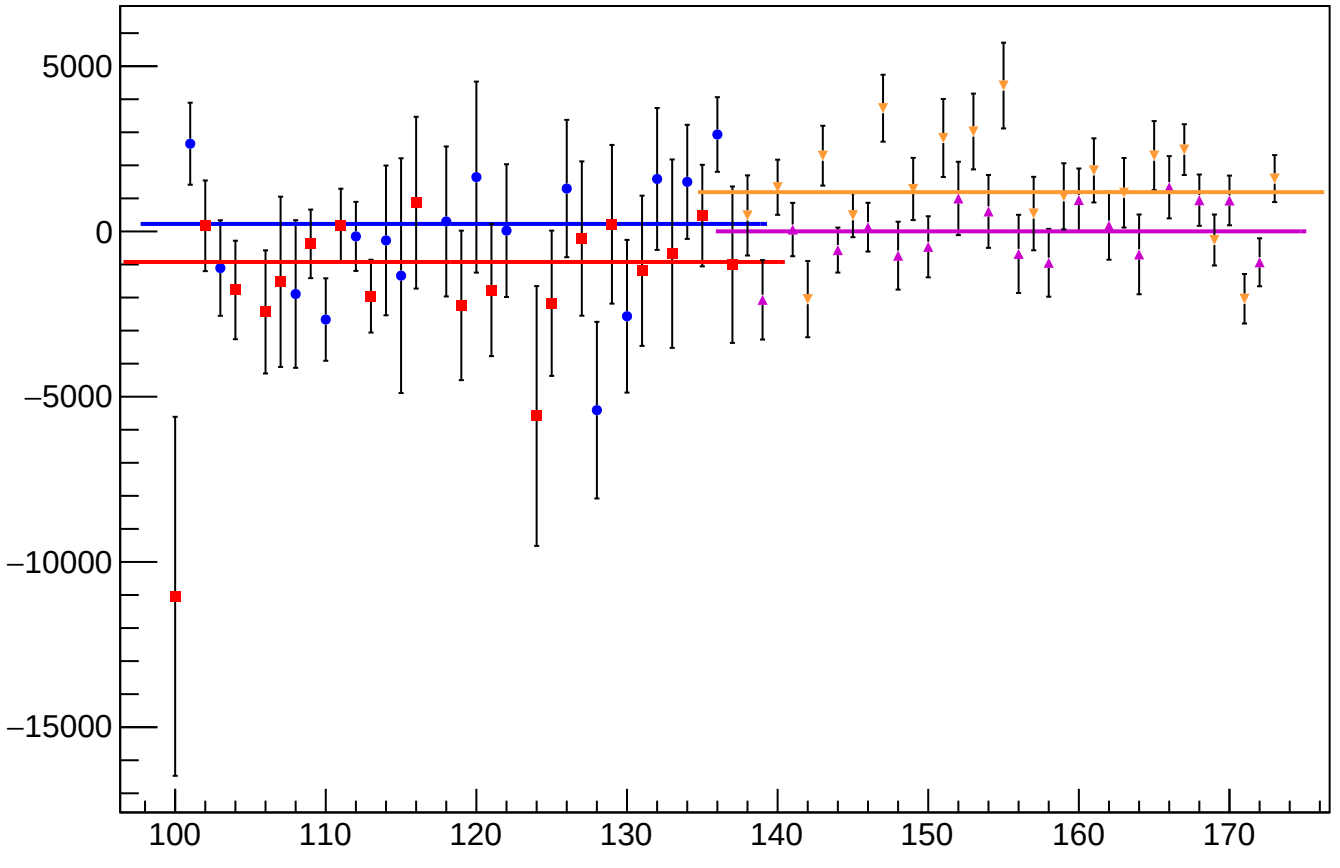
Left: 793.798+/-0.106 χ^2/NDF: 2010875.0/35

Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 854.731+/-0.136 χ^2/NDF:2649612.2/32

Out: 844.694+/-0.131 χ^2/NDF:2952328.4/37

All: 849.512+/-0.094 χ^2/NDF: 5604775.8/70



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1189.372+/-211.465 χ^2/NDF:54.9/18

Right Out: -923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: 2.663+/-219.129 χ^2/NDF:14.8/16

Left: 617.131+/-152.166 χ^2/NDF: 84.9/35

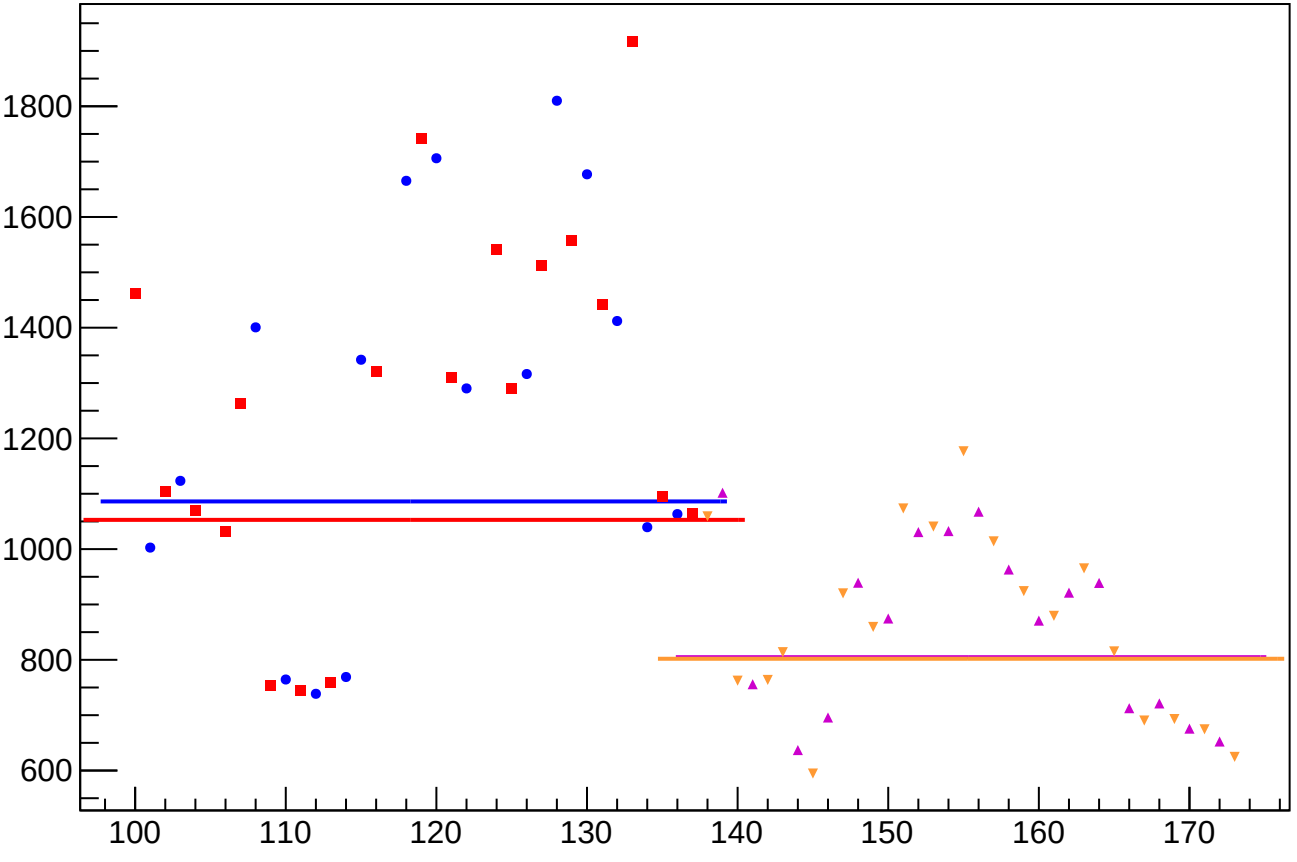
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: 50.441+/-194.458 χ^2/NDF:39.5/32

Out: 733.362+/-187.262 χ^2/NDF:87.7/37

All: 404.770+/-134.886 χ^2/NDF: 133.5/70

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 801.917+/-0.150 χ^2/NDF:1114099.7/18

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 804.848+/-0.155 χ^2/NDF:904547.5/16

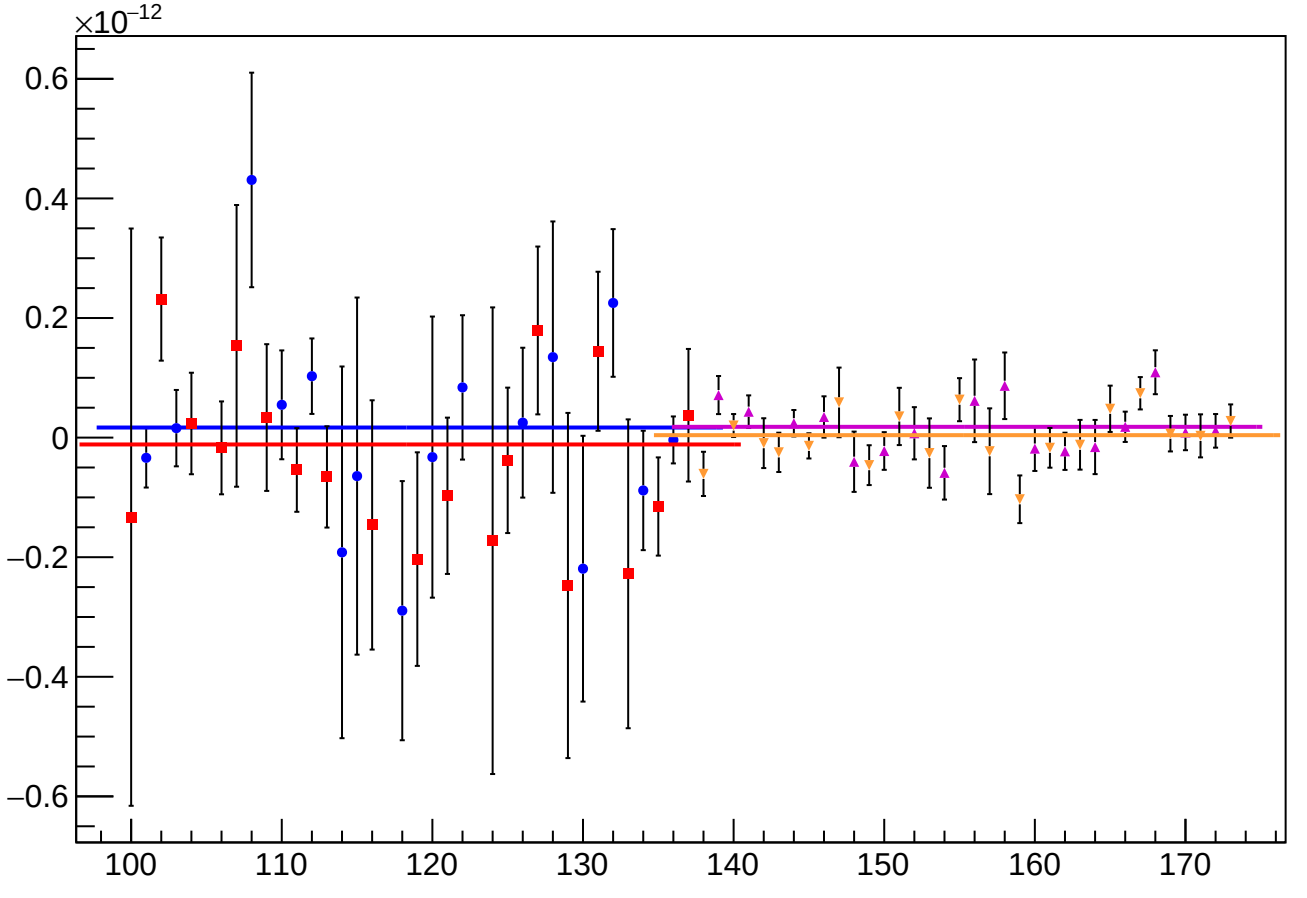
Left: 803.330+/-0.108 χ^2/NDF: 2018832.5/35

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 864.622+/-0.138 χ^2/NDF:2652347.2/32

Out: 856.066+/-0.132 χ^2/NDF:2916196.8/37

All: 860.183+/-0.095 χ^2/NDF: 5570552.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:21.4/16

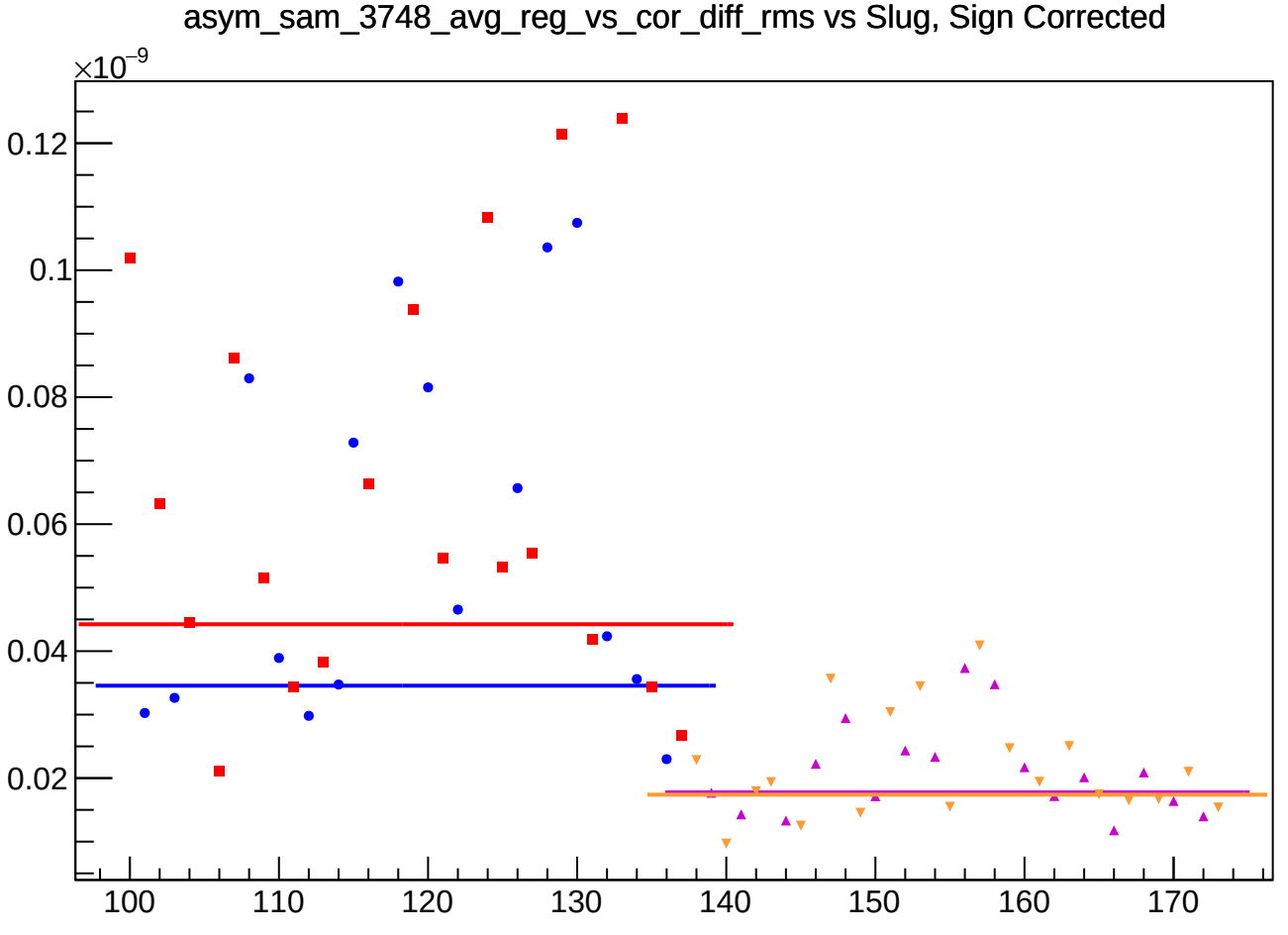
Left: 0.000+/-0.000 χ^2/NDF: 51.6/35

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:38.3/32

Out: 0.000+/-0.000 χ^2/NDF:44.7/37

All: 0.000+/-0.000 χ^2/NDF: 85.1/70



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1408730.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:874507.6/16

Left: 0.000+/-0.000 χ^2/NDF: 2285422.8/35

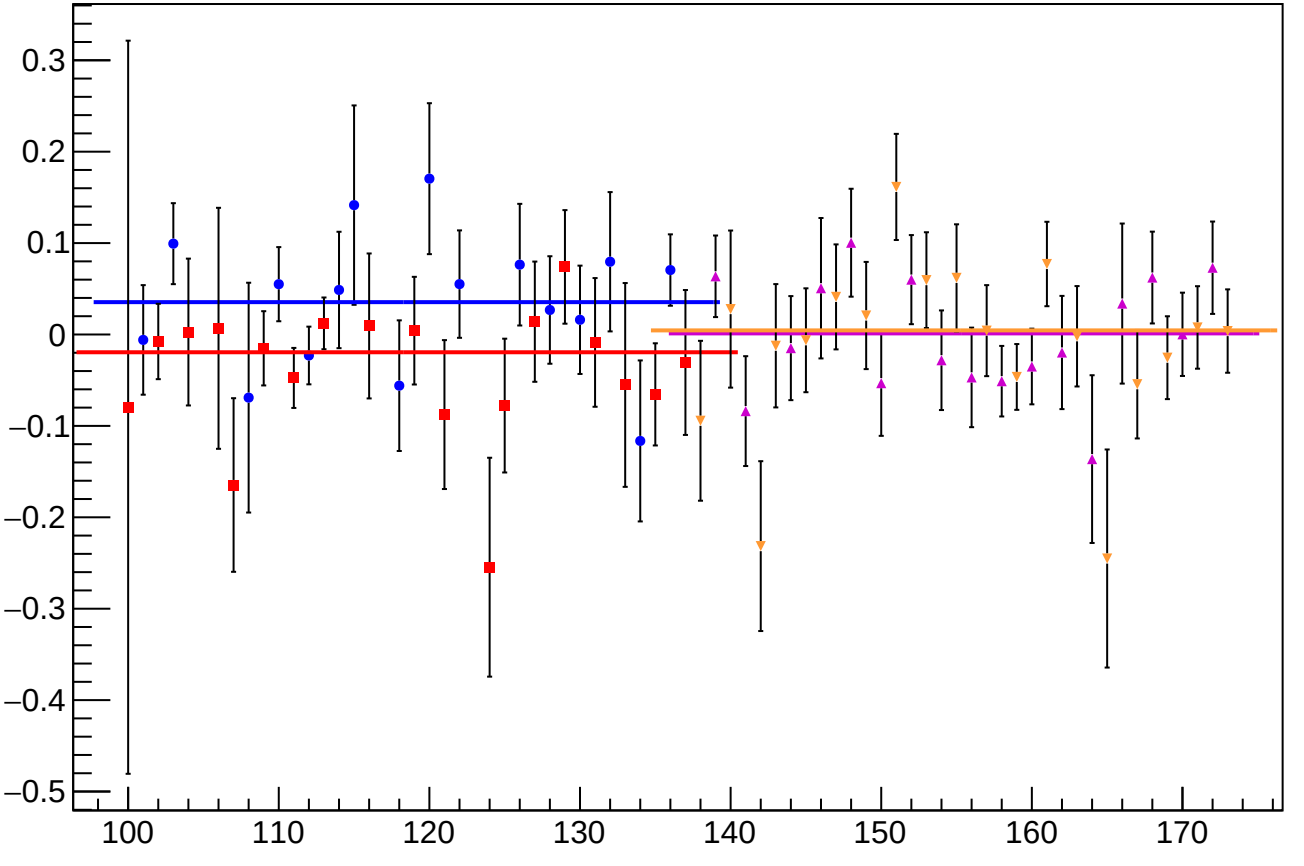
Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:3103982.5/32

Out: 0.000+/-0.000 χ^2/NDF:4327878.3/37

All: 0.000+/-0.000 χ^2/NDF: 7435444.1/70

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.004+/-0.013 χ^2/NDF:28.0/18

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.001+/-0.013 χ^2/NDF:19.3/16

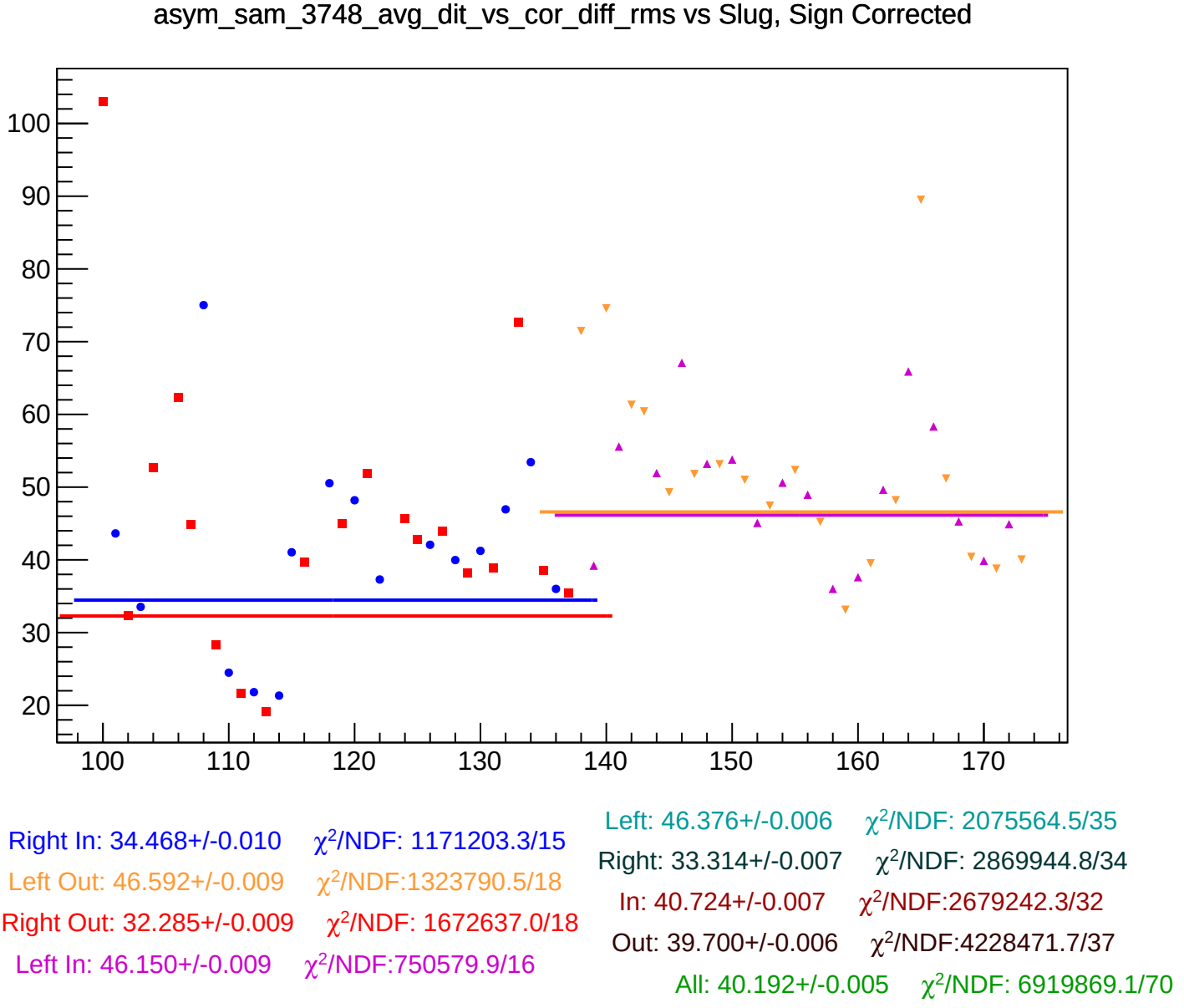
Left: 0.003+/-0.009 χ^2/NDF: 47.4/35

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.017+/-0.009 χ^2/NDF:39.5/32

Out: -0.007+/-0.009 χ^2/NDF:43.1/37

All: 0.005+/-0.007 χ^2/NDF: 86.0/70


asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
100
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100
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120
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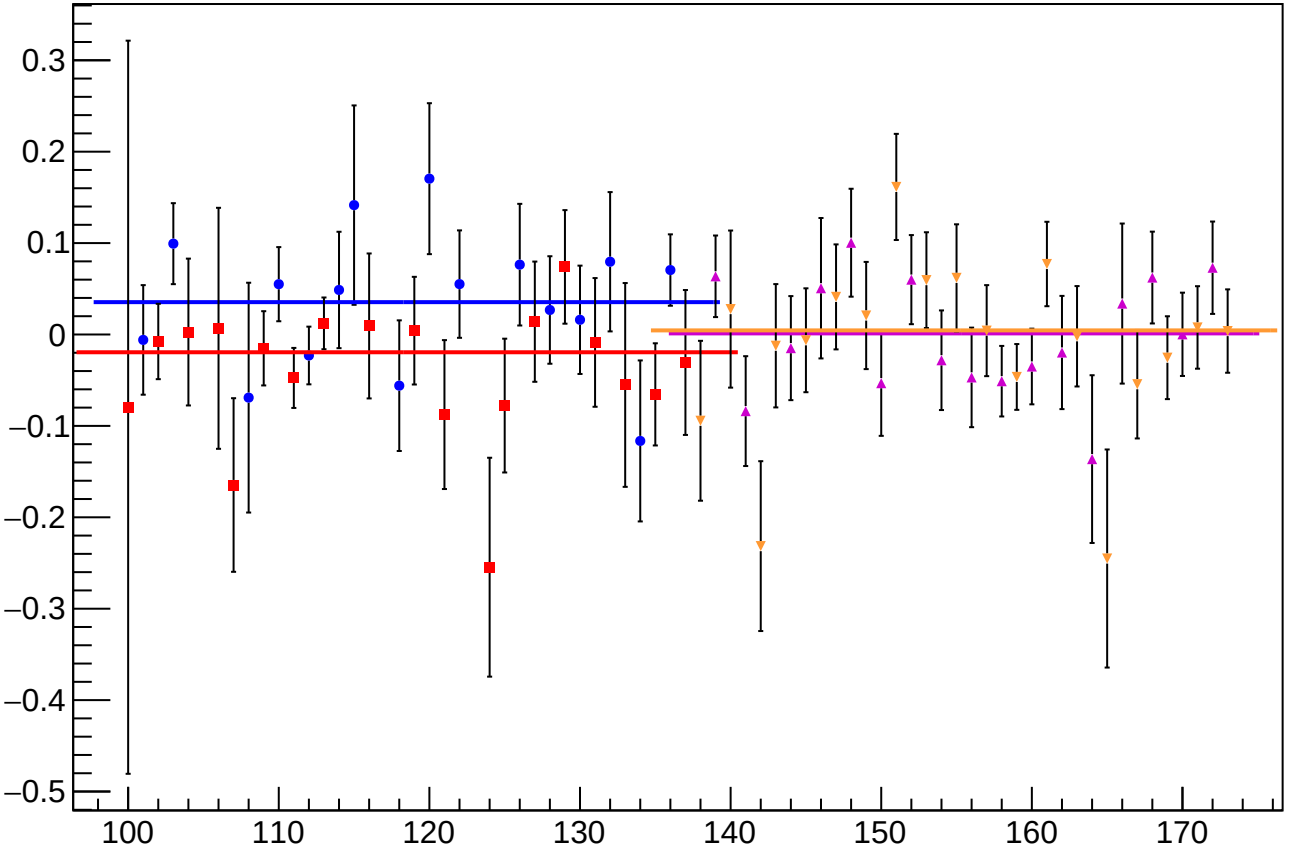
140
150
160
170
Right In: 34.468+/-0.010 χ²/NDF: 1171203.3/15
Left Out: 46.592+/-0.009 χ²/NDF:1323790.5/18
Right Out: 32.285+/-0.009 χ²/NDF: 1672637.0/18
Left In: 46.150+/-0.009 χ²/NDF:750579.9/16
Left: 46.376+/-0.006 χ²/NDF: 2075564.5/35
Right: 33.314+/-0.007 χ²/NDF: 2869944.8/34
In: 40.724+/-0.007 χ²/NDF:2679242.3/32
Out: 39.700+/-0.006 χ²/NDF:4228471.7/37
All: 40.192+/-0.005 χ²/NDF: 6919869.1/70

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.004+/-0.013 χ^2/NDF:28.0/18

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.001+/-0.013 χ^2/NDF:19.3/16

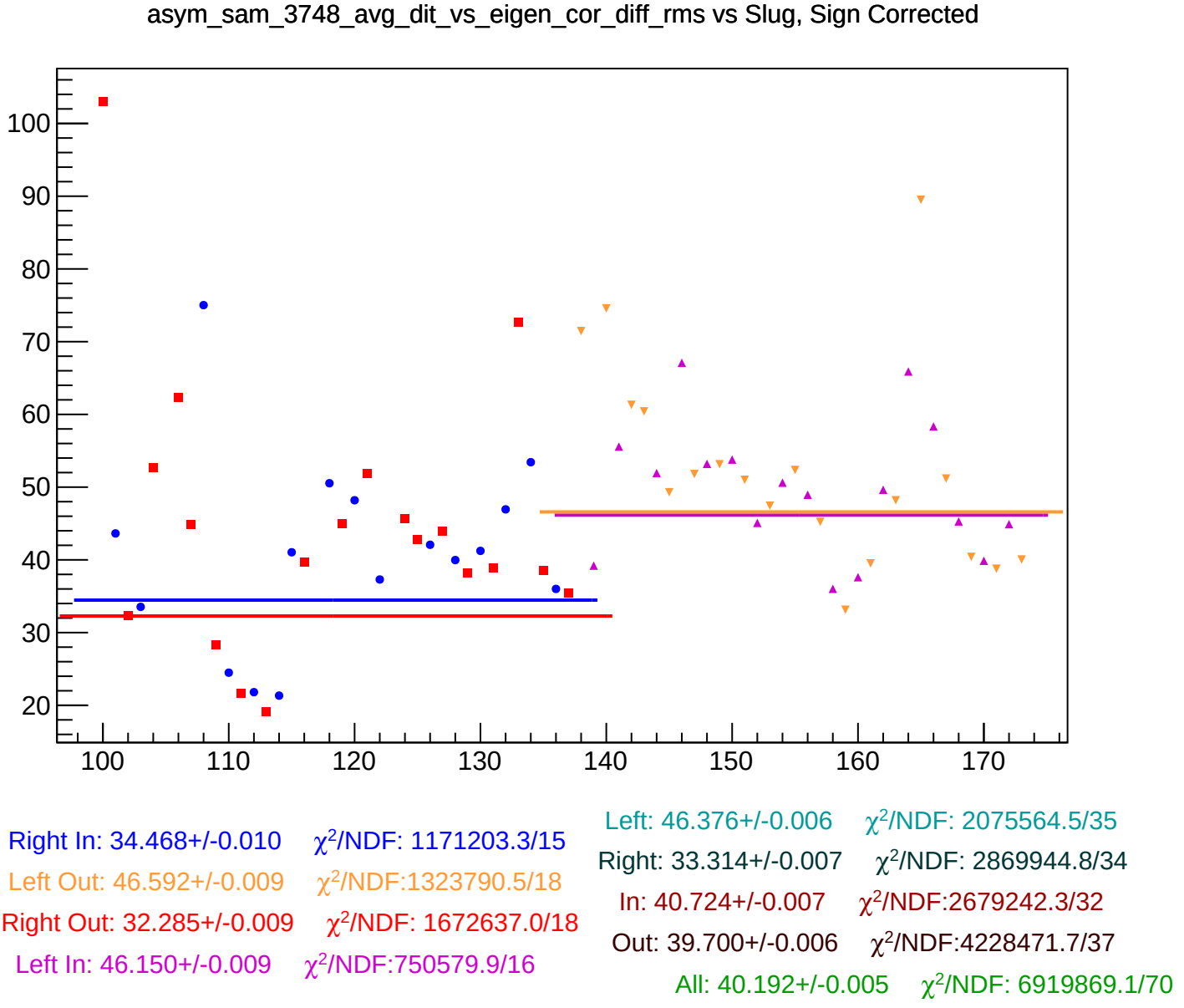
Left: 0.003+/-0.009 χ^2/NDF: 47.4/35

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.017+/-0.009 χ^2/NDF:39.5/32

Out: -0.007+/-0.009 χ^2/NDF:43.1/37

All: 0.005+/-0.007 χ^2/NDF: 86.0/70


asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
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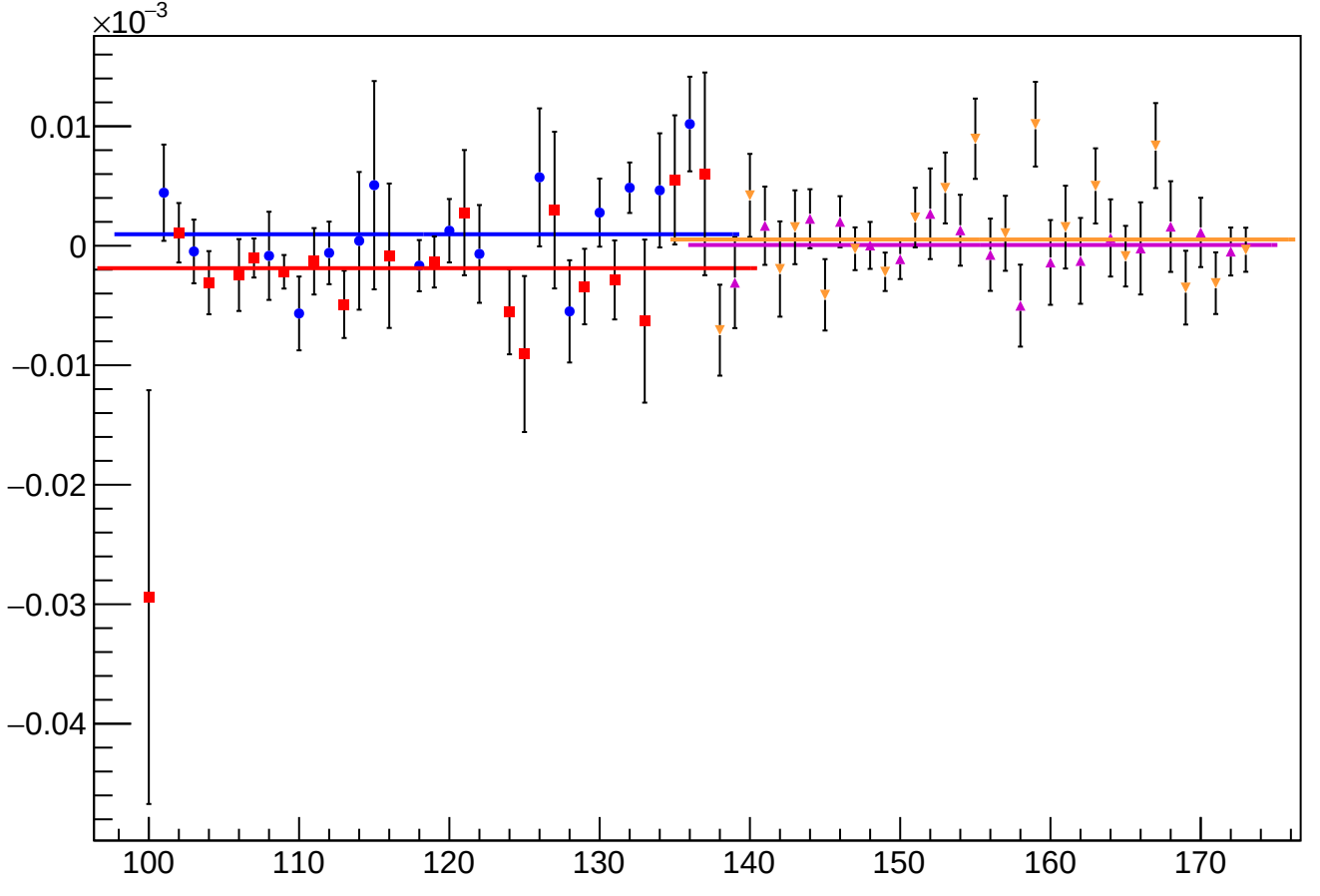
Right In: 34.468+/-0.010 χ²/NDF: 1171203.3/15
Left Out: 46.592+/-0.009 χ²/NDF:1323790.5/18
Right Out: 32.285+/-0.009 χ²/NDF: 1672637.0/18
Left In: 46.150+/-0.009 χ²/NDF:750579.9/16
Left: 46.376+/-0.006 χ²/NDF: 2075564.5/35
Right: 33.314+/-0.007 χ²/NDF: 2869944.8/34
In: 40.724+/-0.007 χ²/NDF:2679242.3/32
Out: 39.700+/-0.006 χ²/NDF:4228471.7/37
All: 40.192+/-0.005 χ²/NDF: 6919869.1/70



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:38.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.7/16

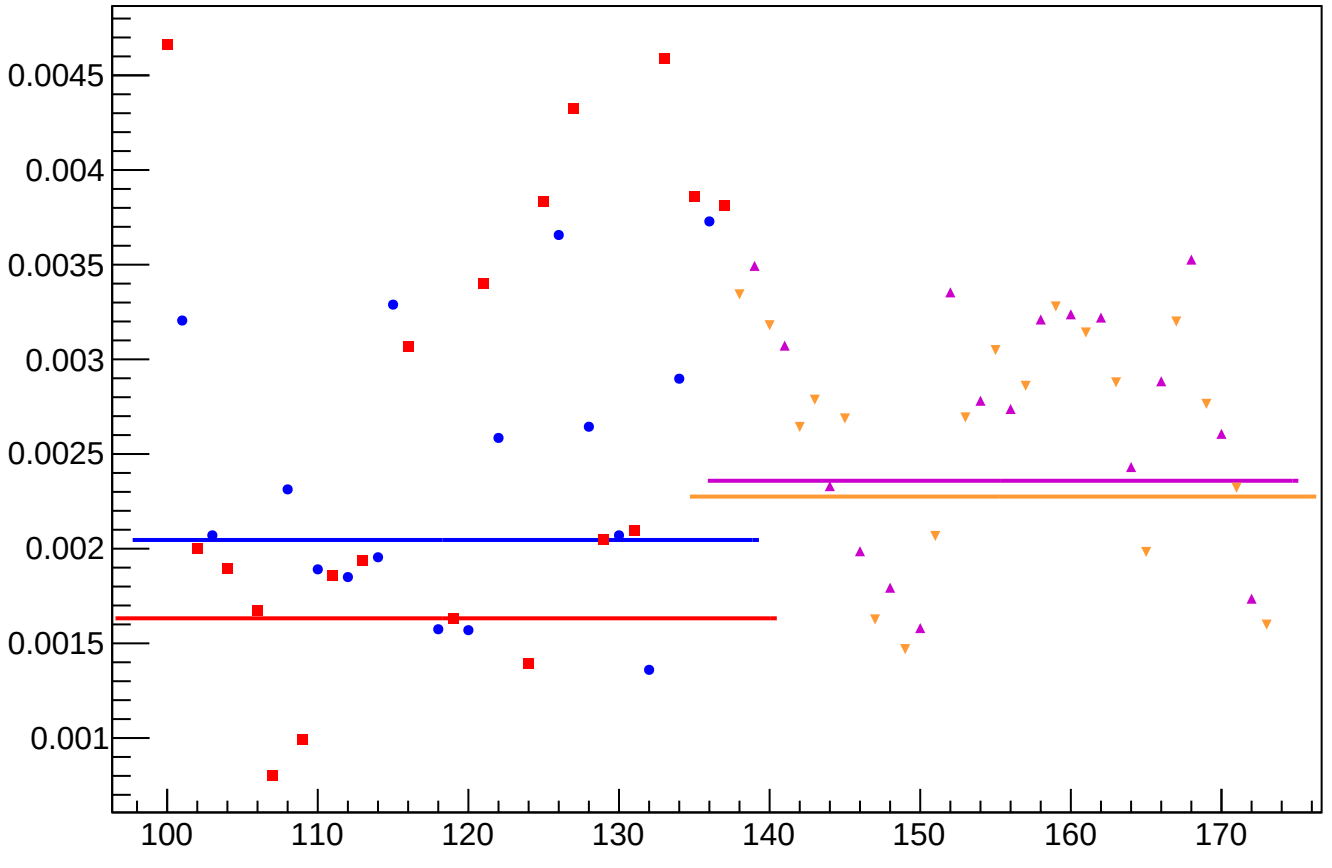
Left: 0.000+/-0.000 χ^2/NDF: 45.6/35

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:28.3/32

Out: -0.000+/-0.000 χ^2/NDF:58.5/37

All: -0.000+/-0.000 χ^2/NDF: 89.0/70



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2237513.9/18

Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.002+/-0.000 χ^2/NDF:1937798.4/16

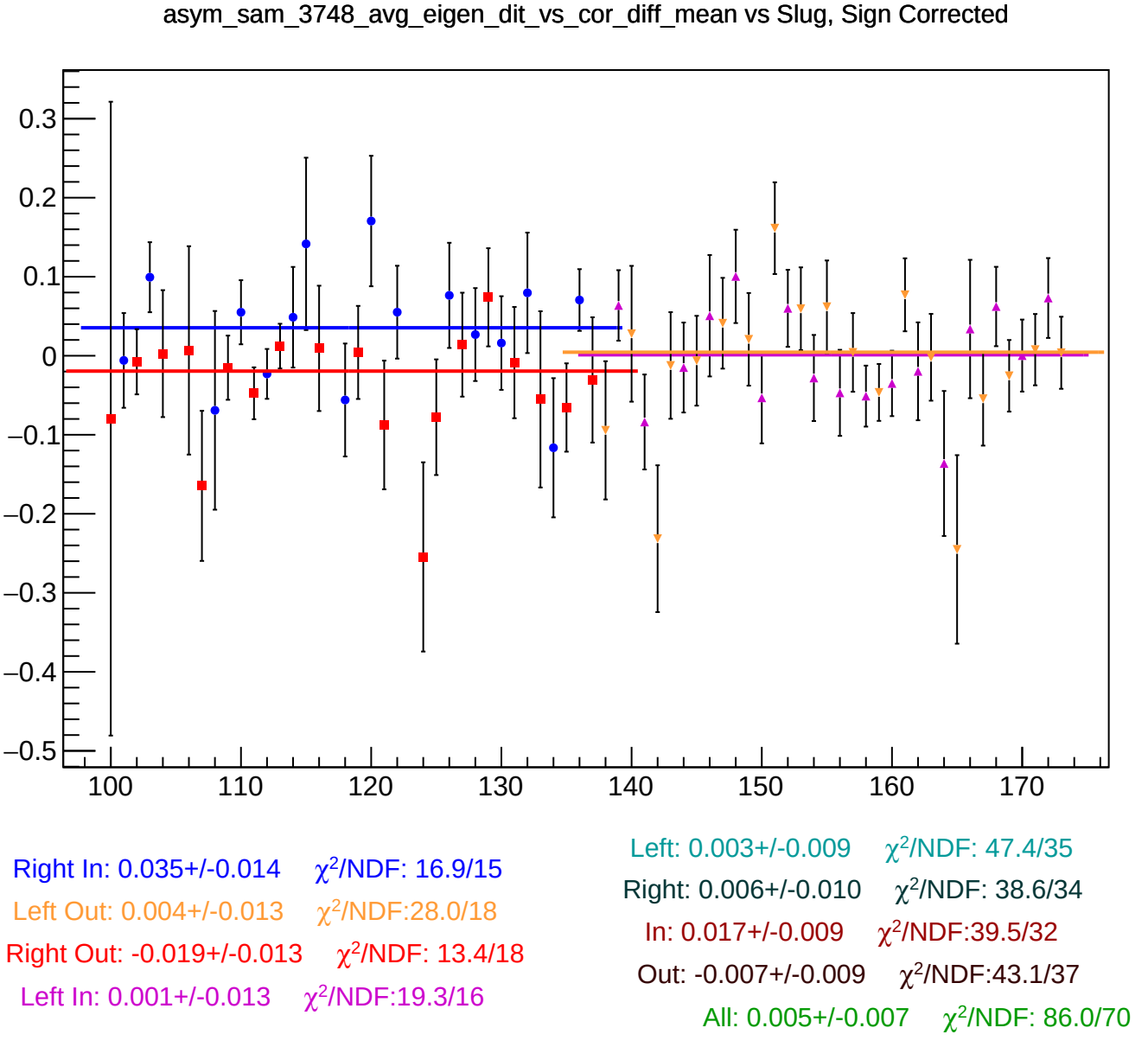
Left: 0.002+/-0.000 χ^2/NDF: 4192433.4/35

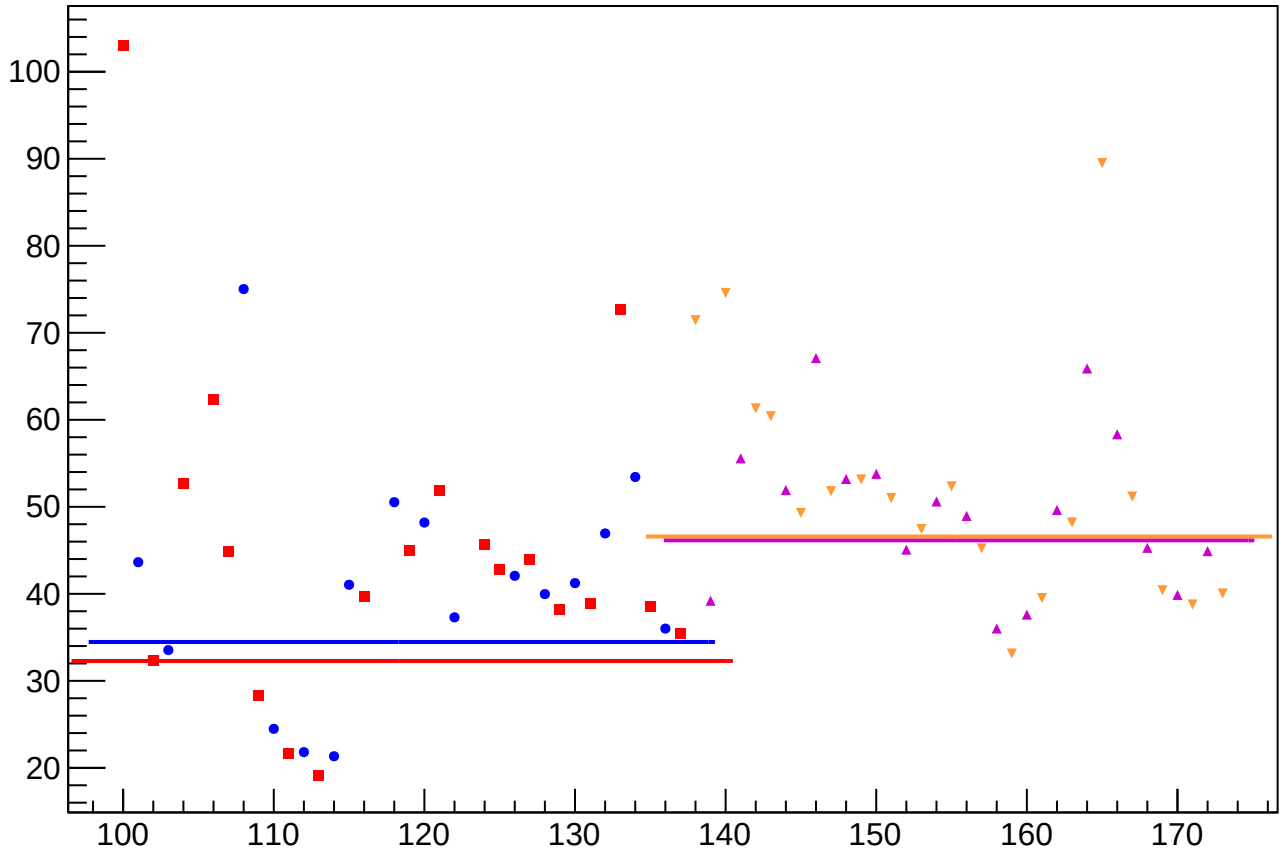
Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

In: 0.002+/-0.000 χ^2/NDF:3377793.9/32

Out: 0.002+/-0.000 χ^2/NDF:6165267.5/37

All: 0.002+/-0.000 χ^2/NDF: 9816061.7/70


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
170
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: 0.004+/-0.013 χ²/NDF:28.0/18
Right Out: -0.019+/-0.013 χ²/NDF: 13.4/18
Left In: 0.001+/-0.013 χ²/NDF:19.3/16
Left: 0.003+/-0.009 χ²/NDF: 47.4/35
Right: 0.006+/-0.010 χ²/NDF: 38.6/34
In: 0.017+/-0.009 χ²/NDF:39.5/32
Out: -0.007+/-0.009 χ²/NDF:43.1/37
All: 0.005+/-0.007 χ²/NDF: 86.0/70



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 46.593+/-0.009 χ^2/NDF:1323802.7/18

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.151+/-0.009 χ^2/NDF:750614.3/16

Left: 46.377+/-0.006 χ^2/NDF: 2075611.5/35

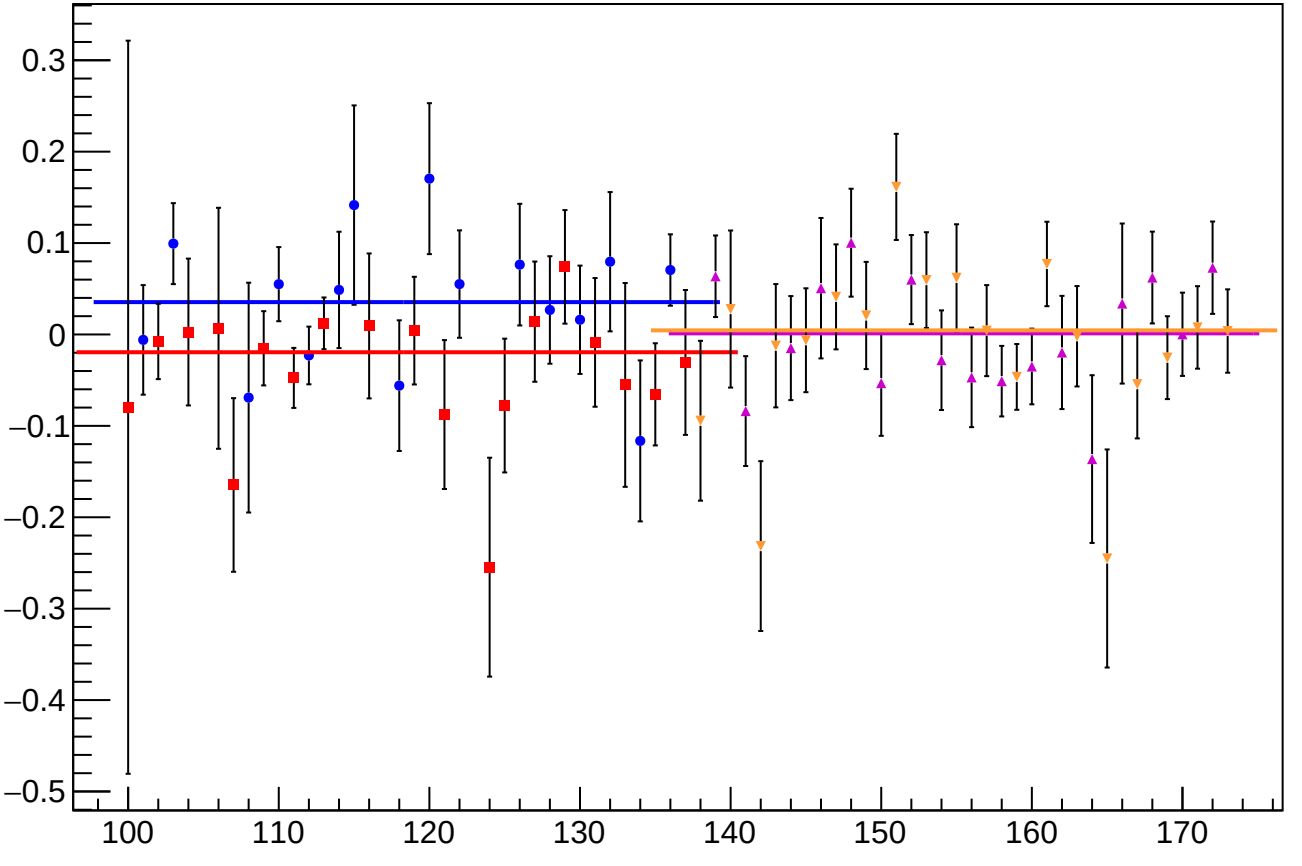
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 40.724+/-0.007 χ^2/NDF:2679241.4/32

Out: 39.700+/-0.006 χ^2/NDF:4228464.2/37

All: 40.192+/-0.005 χ^2/NDF: 6919859.5/70

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.004+/-0.013 χ^2/NDF:28.0/18

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.001+/-0.013 χ^2/NDF:19.3/16

Left: 0.003+/-0.009 χ^2/NDF: 47.4/35

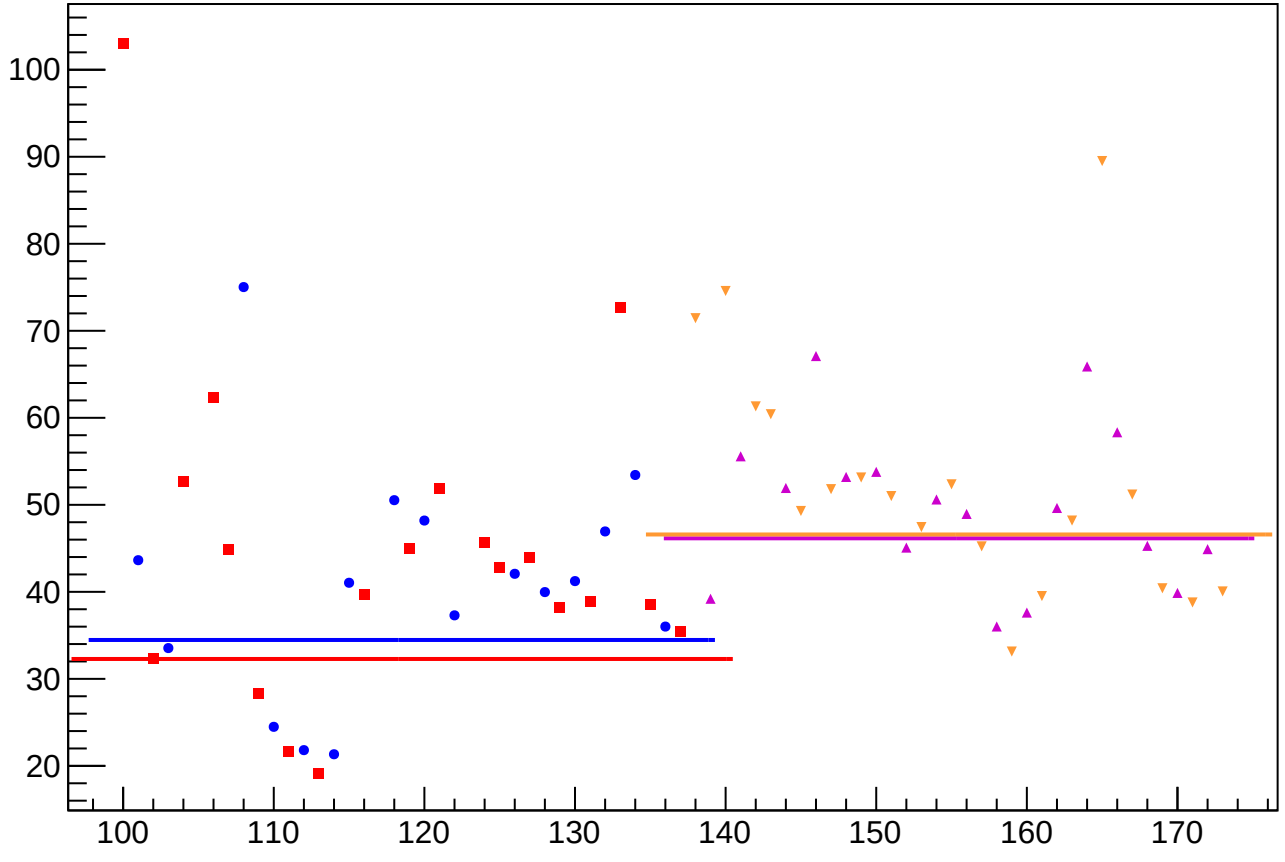
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.017+/-0.009 χ^2/NDF:39.5/32

Out: -0.007+/-0.009 χ^2/NDF:43.1/37

All: 0.005+/-0.007 χ^2/NDF: 86.0/70

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 46.593+/-0.009 χ^2/NDF:1323802.7/18

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.151+/-0.009 χ^2/NDF:750614.3/16

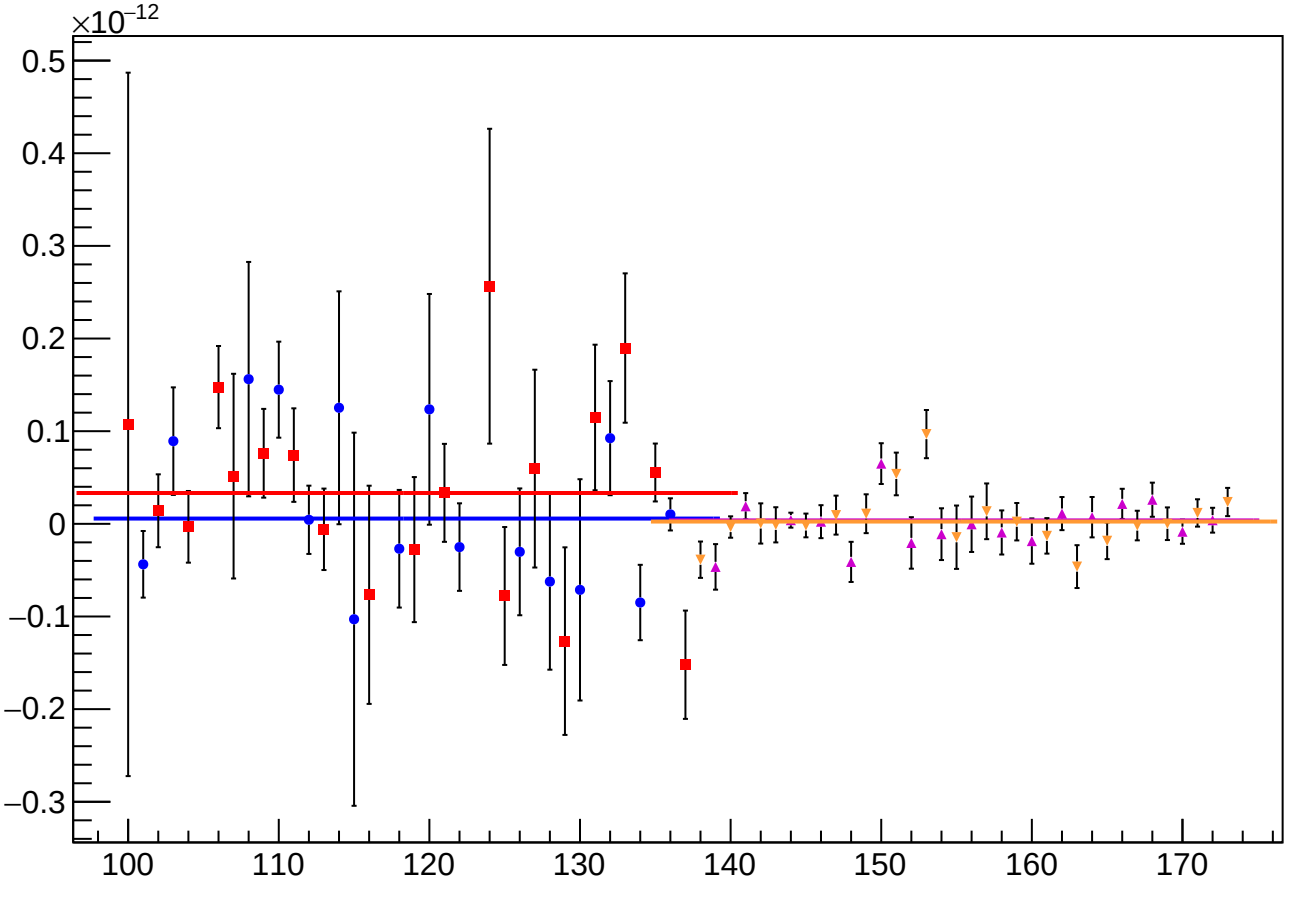
Left: 46.377+/-0.006 χ^2/NDF: 2075611.5/35

Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 40.724+/-0.007 χ^2/NDF:2679241.4/32

Out: 39.700+/-0.006 χ^2/NDF:4228464.2/37

All: 40.192+/-0.005 χ^2/NDF: 6919859.5/70



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: 0.000+/-0.000 χ^2/NDF:23.3/16

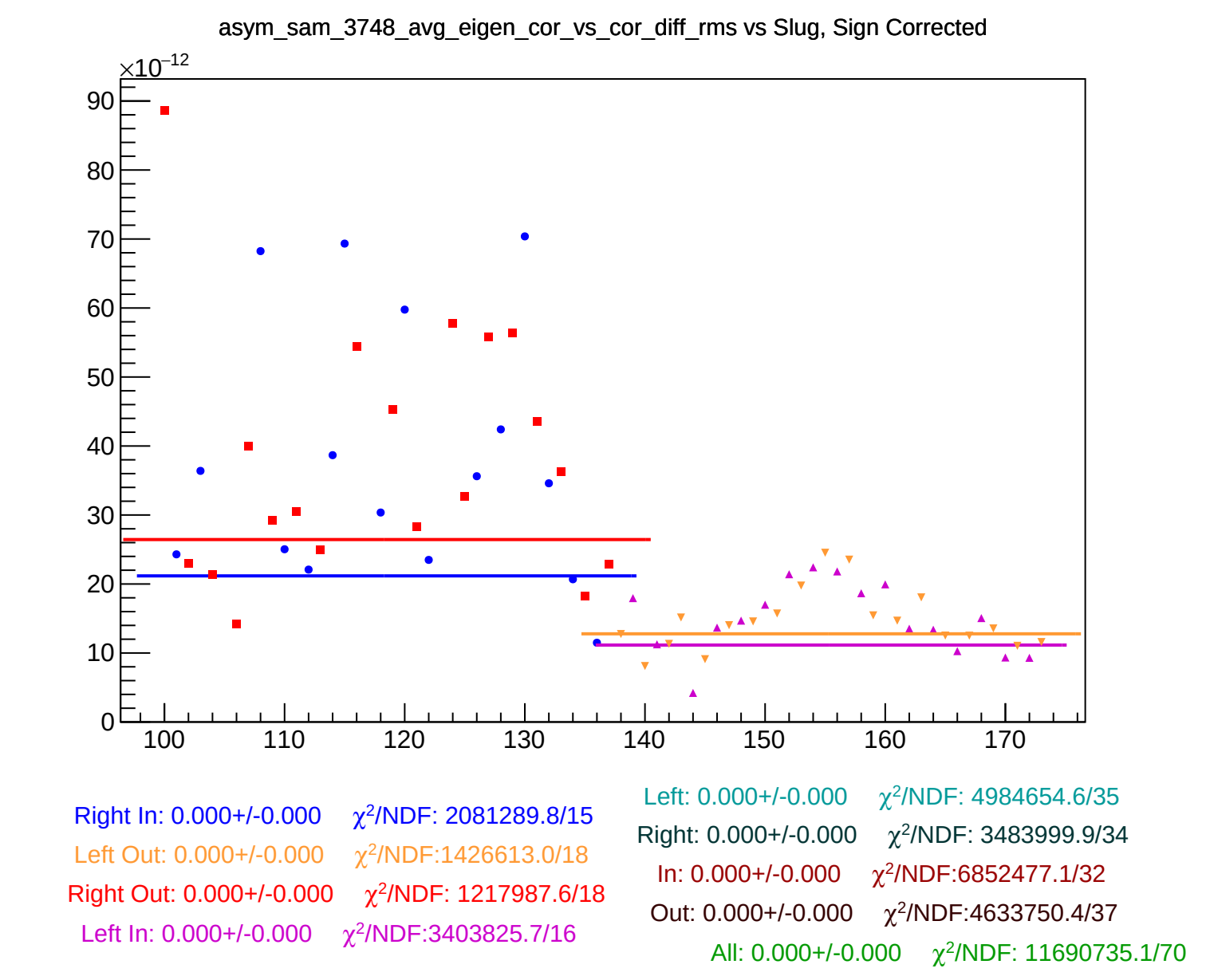
Left: 0.000+/-0.000 χ^2/NDF: 55.5/35

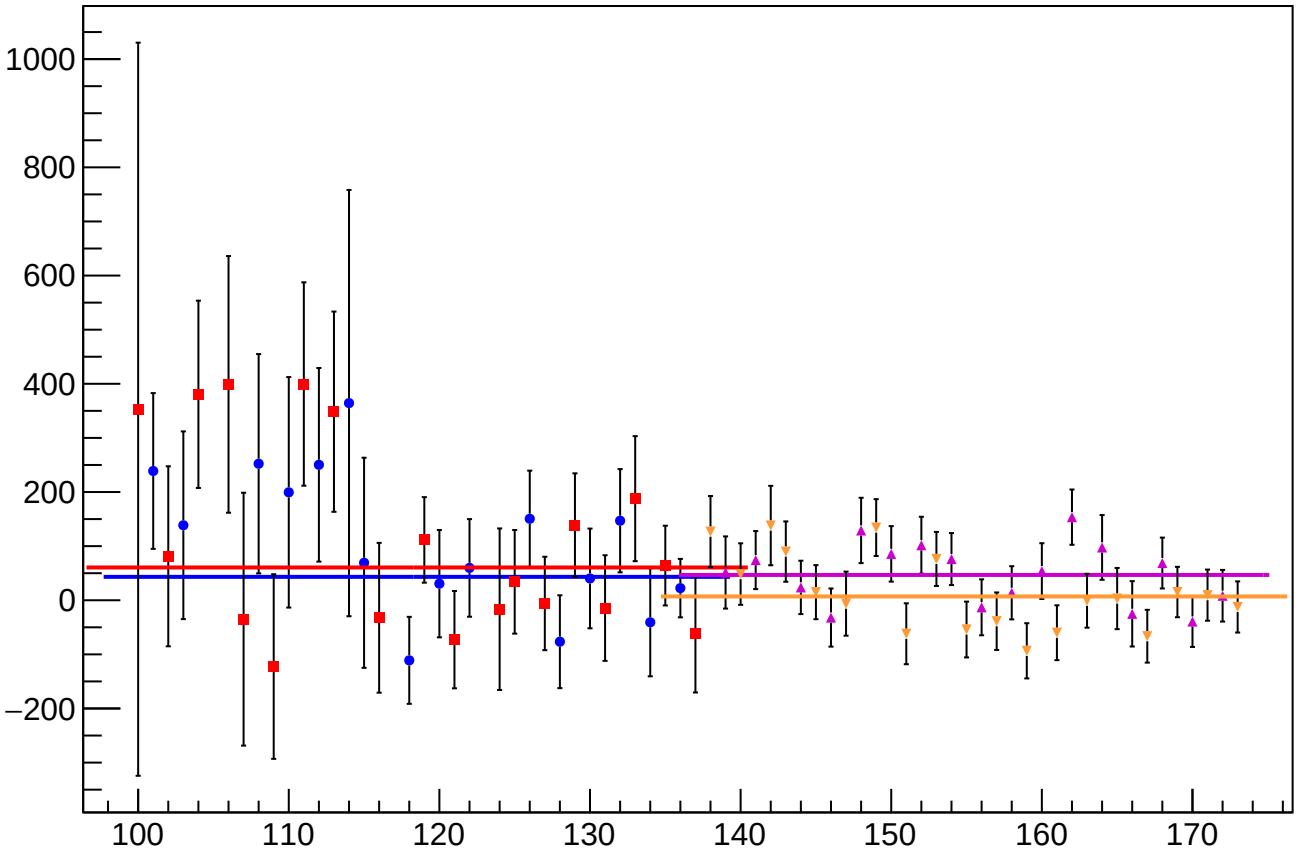
Right: 0.000+/-0.000 χ^2/NDF: 59.6/34

In: 0.000+/-0.000 χ^2/NDF:46.9/32

Out: 0.000+/-0.000 χ^2/NDF:70.7/37

All: 0.000+/-0.000 χ^2/NDF: 117.7/70


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
170
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1426613.0/18
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:3403825.7/16
Left: 0.000+/-0.000 χ²/NDF: 4984654.6/35
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:6852477.1/32
Out: 0.000+/-0.000 χ²/NDF:4633750.4/37
All: 0.000+/-0.000 χ²/NDF: 11690735.1/70



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 7.020+/-12.119 χ^2/NDF:28.9/18

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 46.763+/-12.670 χ^2/NDF:19.1/16

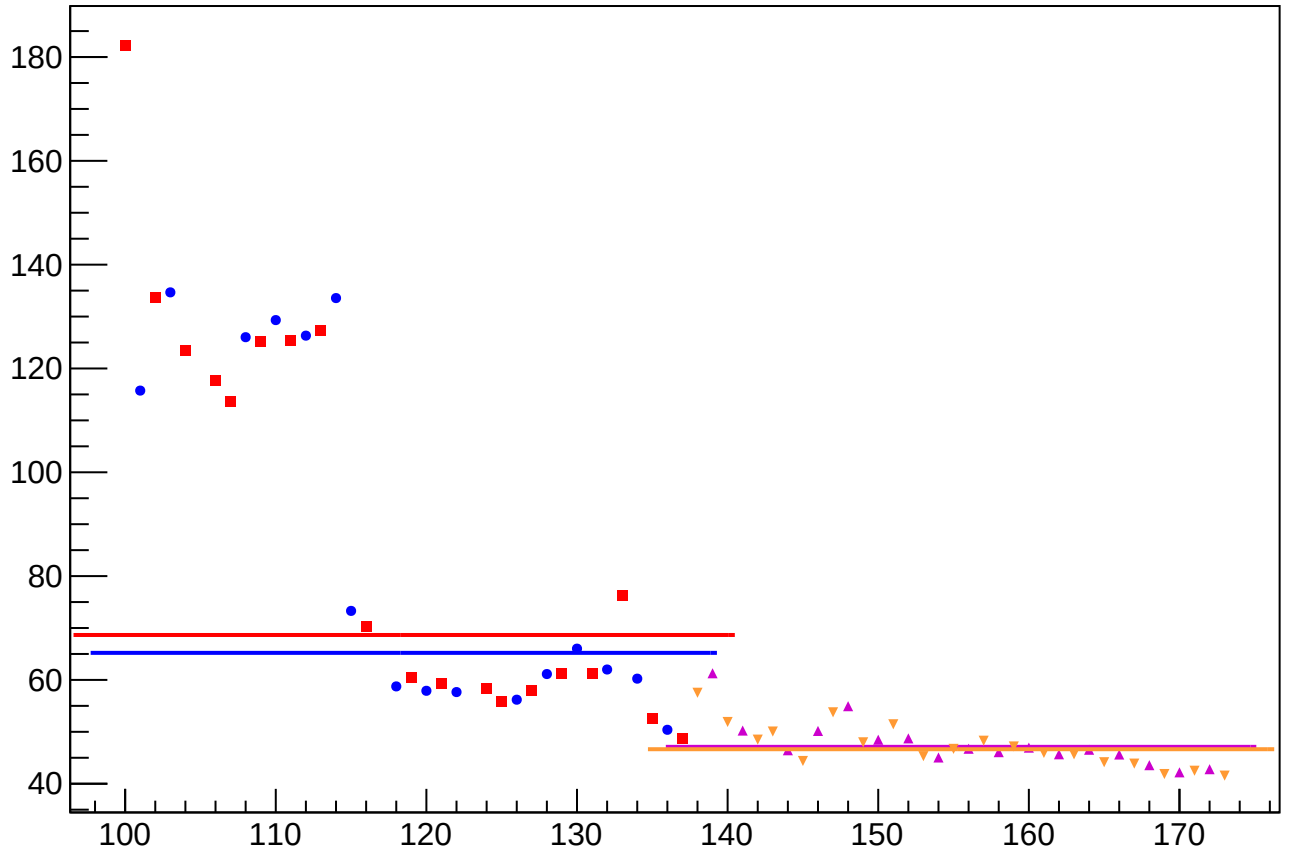
Left: 26.009+/-8.758 χ^2/NDF: 53.1/35

Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 46.079+/-11.371 χ^2/NDF:34.1/32

Out: 16.060+/-11.049 χ^2/NDF:52.6/37

All: 30.639+/-7.924 χ^2/NDF: 90.2/70



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 46.648+/-0.009 χ^2/NDF:203980.8/18

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 47.105+/-0.009 χ^2/NDF:198034.8/16

Left: 46.867+/-0.006 χ^2/NDF: 403374.2/35

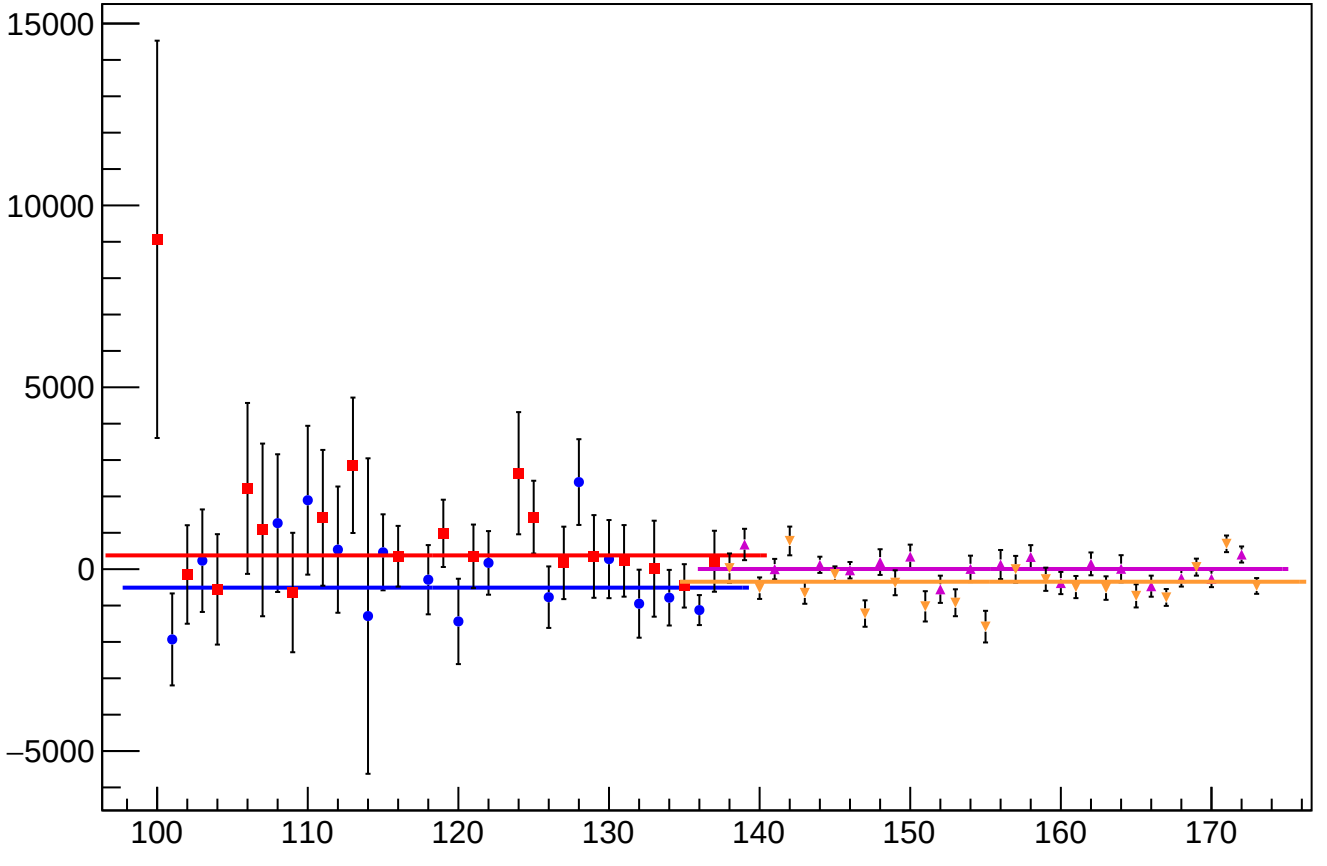
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 50.628+/-0.008 χ^2/NDF:2439203.8/32

Out: 50.363+/-0.008 χ^2/NDF:2958098.9/37

All: 50.492+/-0.006 χ^2/NDF: 5397861.1/70

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: -345.240+/-67.966 χ^2/NDF:60.6/18

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 4.962+/-70.128 χ^2/NDF:17.7/16

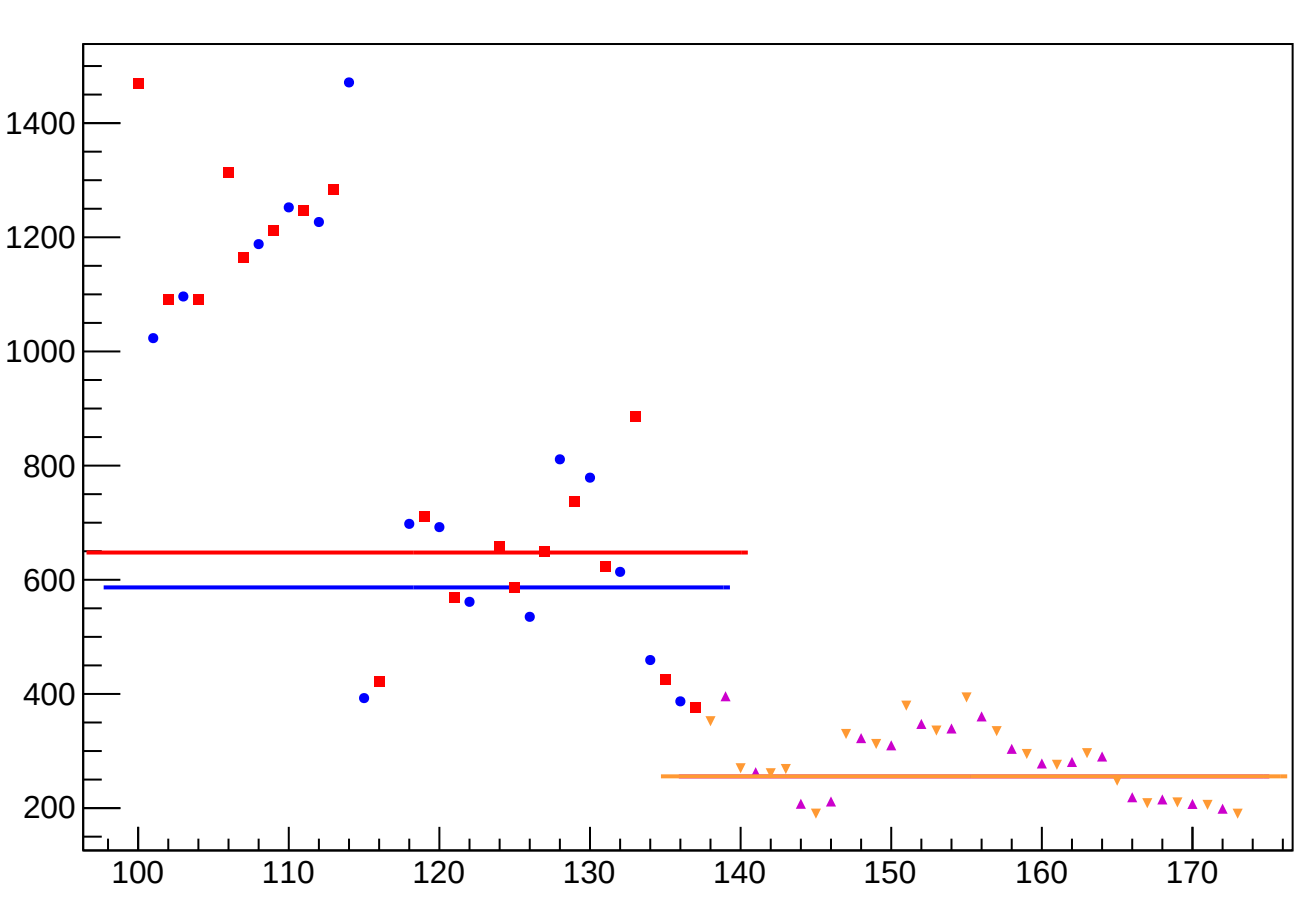
Left: -175.621+/-48.805 χ^2/NDF: 91.2/35

Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: -36.347+/-67.244 χ^2/NDF:37.6/32

Out: -297.702+/-65.697 χ^2/NDF:79.8/37

All: -170.066+/-46.992 χ^2/NDF: 125.2/70



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 255.663+/-0.048 χ^2/NDF:1523533.1/18

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 255.497+/-0.050 χ^2/NDF:1270651.2/16

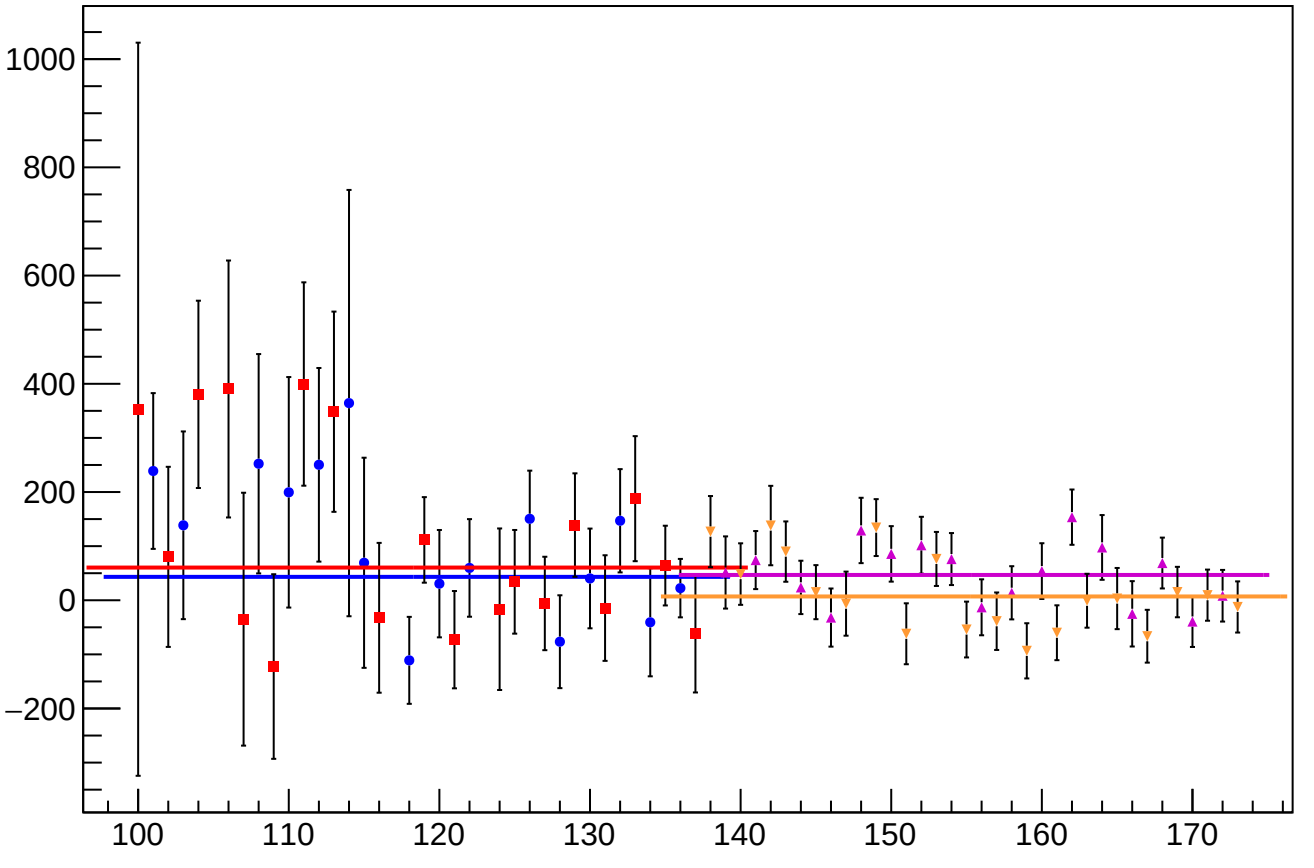
Left: 255.583+/-0.035 χ^2/NDF: 2794190.1/35

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 282.168+/-0.048 χ^2/NDF:6915591.7/32

Out: 281.403+/-0.046 χ^2/NDF:7998483.7/37

All: 281.776+/-0.033 χ^2/NDF: 14914208.0/70



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 7.020+/-12.119 χ^2/NDF:28.9/18

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 46.762+/-12.670 χ^2/NDF:19.1/16

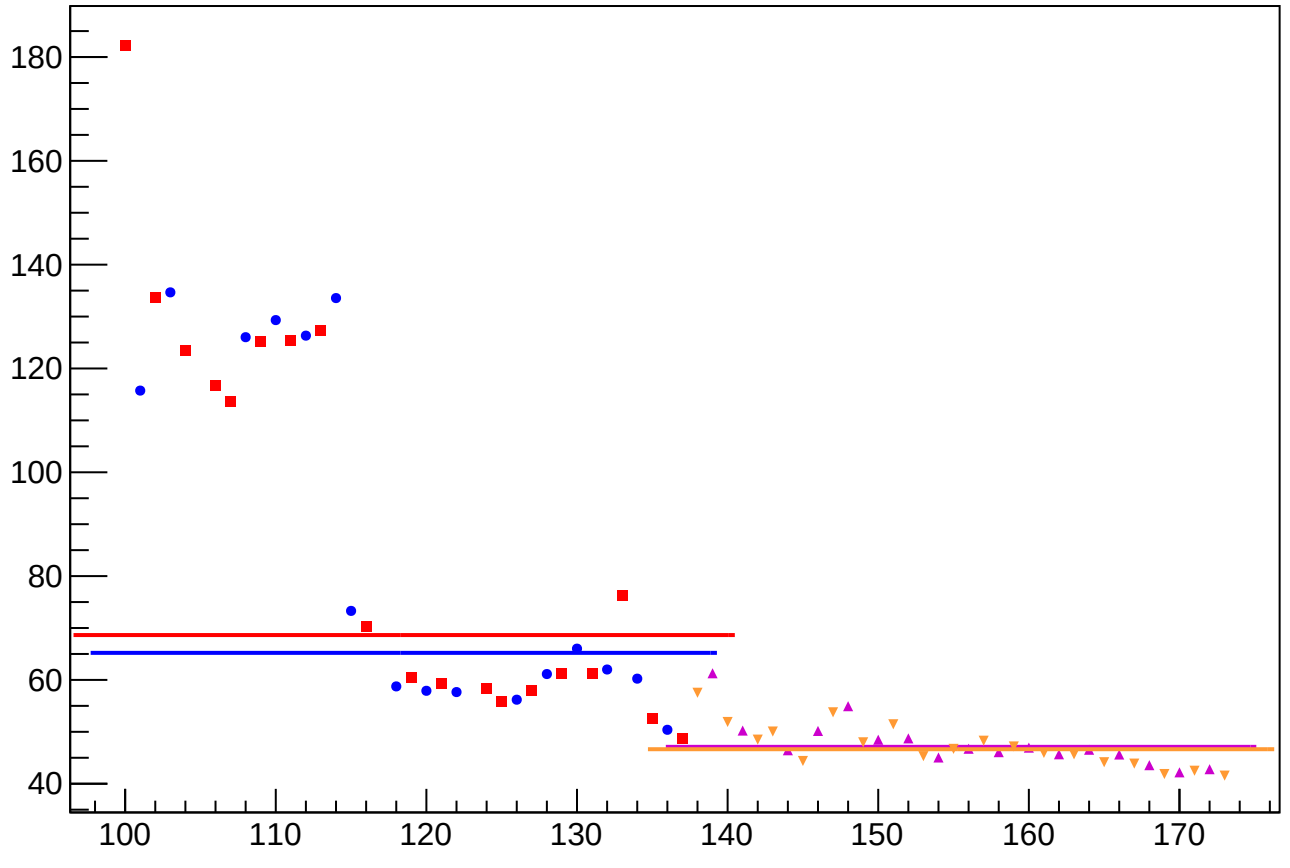
Left: 26.008+/-8.758 χ^2/NDF: 53.1/35

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 46.077+/-11.371 χ^2/NDF:34.0/32

Out: 16.035+/-11.049 χ^2/NDF:52.5/37

All: 30.625+/-7.924 χ^2/NDF: 90.1/70



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.648+/-0.009 χ^2/NDF:203980.8/18

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 47.105+/-0.009 χ^2/NDF:198034.8/16

Left: 46.867+/-0.006 χ^2/NDF: 403374.2/35

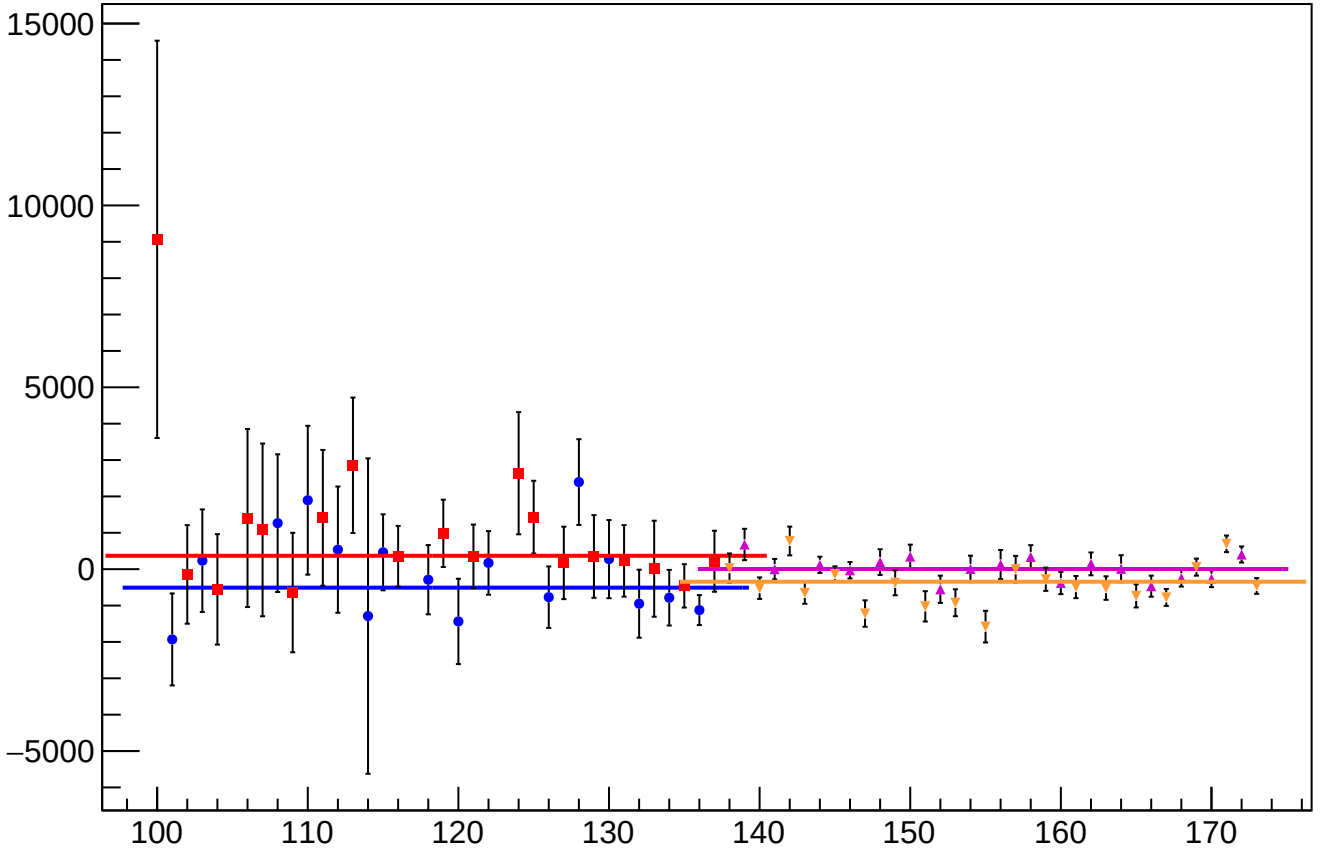
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 50.628+/-0.008 χ^2/NDF:2439205.8/32

Out: 50.360+/-0.008 χ^2/NDF:2953245.0/37

All: 50.490+/-0.006 χ^2/NDF: 5393020.3/70

asym_sam_1526_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -345.238+/-67.965 χ^2/NDF:60.6/18

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 4.959+/-70.128 χ^2/NDF:17.7/16

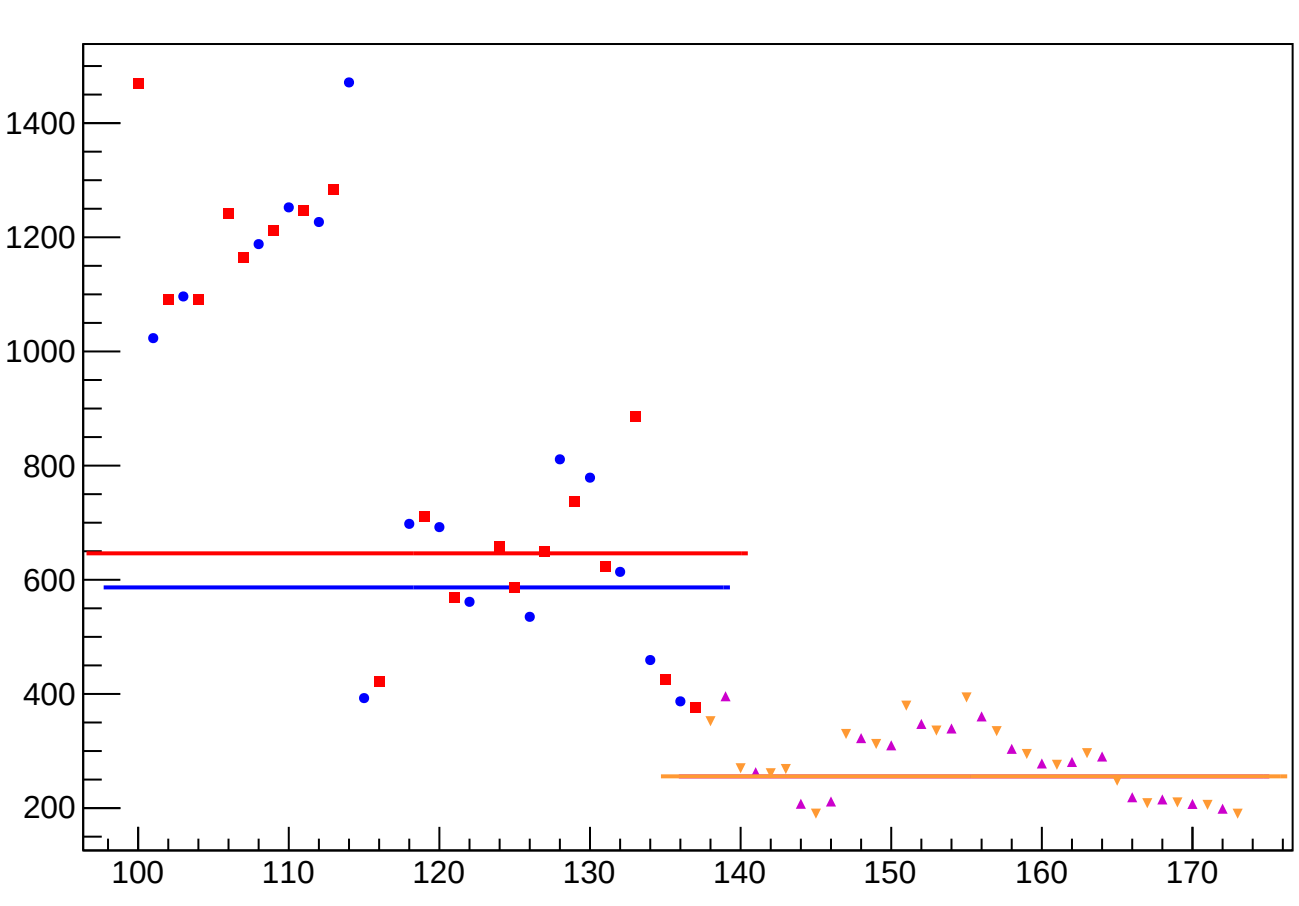
Left: -175.621+/-48.805 χ^2/NDF: 91.2/35

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -36.348+/-67.244 χ^2/NDF:37.6/32

Out: -298.436+/-65.699 χ^2/NDF:79.2/37

All: -170.439+/-46.993 χ^2/NDF: 124.6/70



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 255.663+/-0.048 χ^2/NDF:1523542.0/18

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 255.497+/-0.050 χ^2/NDF:1270646.6/16

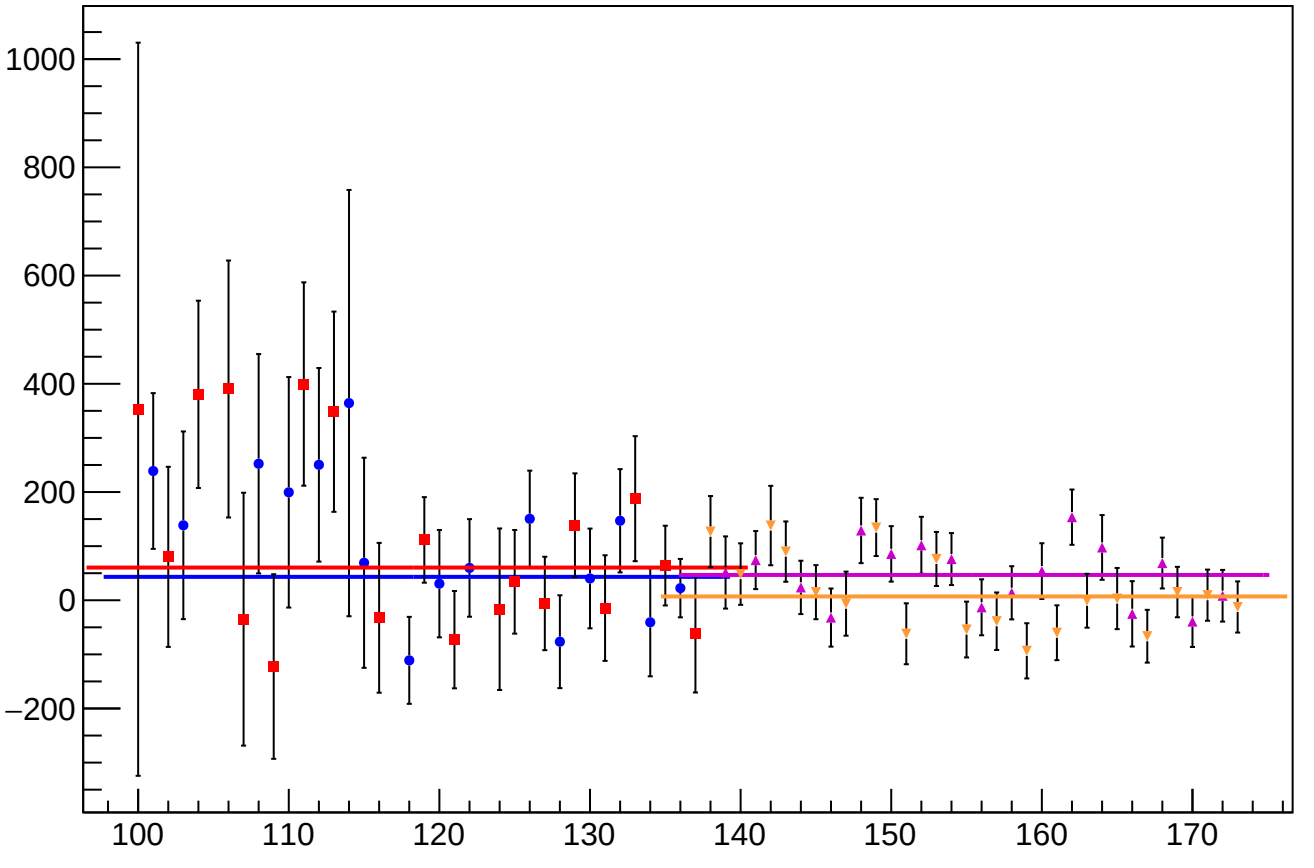
Left: 255.583+/-0.035 χ^2/NDF: 2794194.4/35

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 282.168+/-0.048 χ^2/NDF:6915606.3/32

Out: 281.286+/-0.046 χ^2/NDF:7920708.9/37

All: 281.717+/-0.033 χ^2/NDF: 14836491.2/70



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 7.020+/-12.119 χ^2/NDF:28.9/18

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 46.762+/-12.670 χ^2/NDF:19.1/16

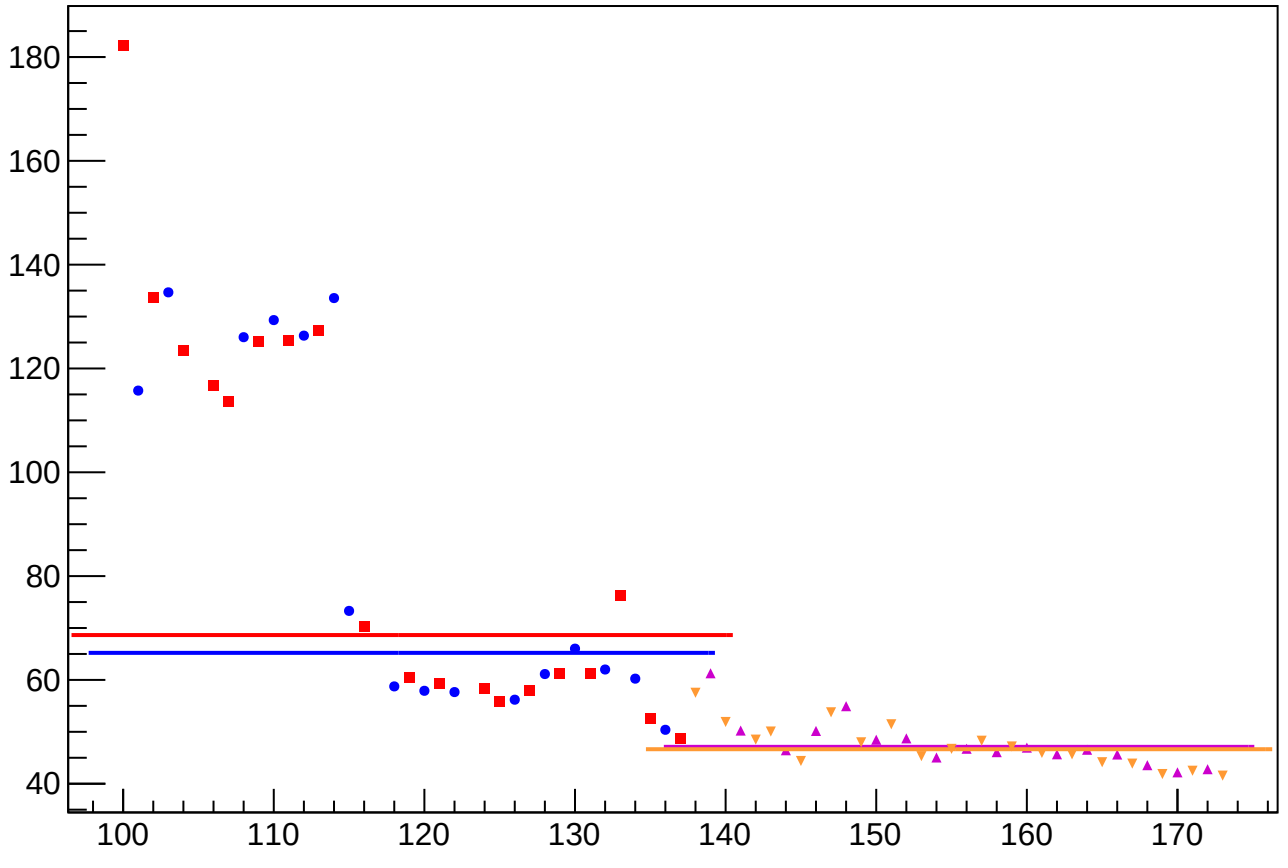
Left: 26.008+/-8.758 χ^2/NDF: 53.1/35

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 46.077+/-11.371 χ^2/NDF:34.0/32

Out: 16.035+/-11.049 χ^2/NDF:52.5/37

All: 30.625+/-7.924 χ^2/NDF: 90.1/70



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.648+/-0.009 χ^2/NDF:203980.8/18

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 47.105+/-0.009 χ^2/NDF:198034.8/16

Left: 46.867+/-0.006 χ^2/NDF: 403374.2/35

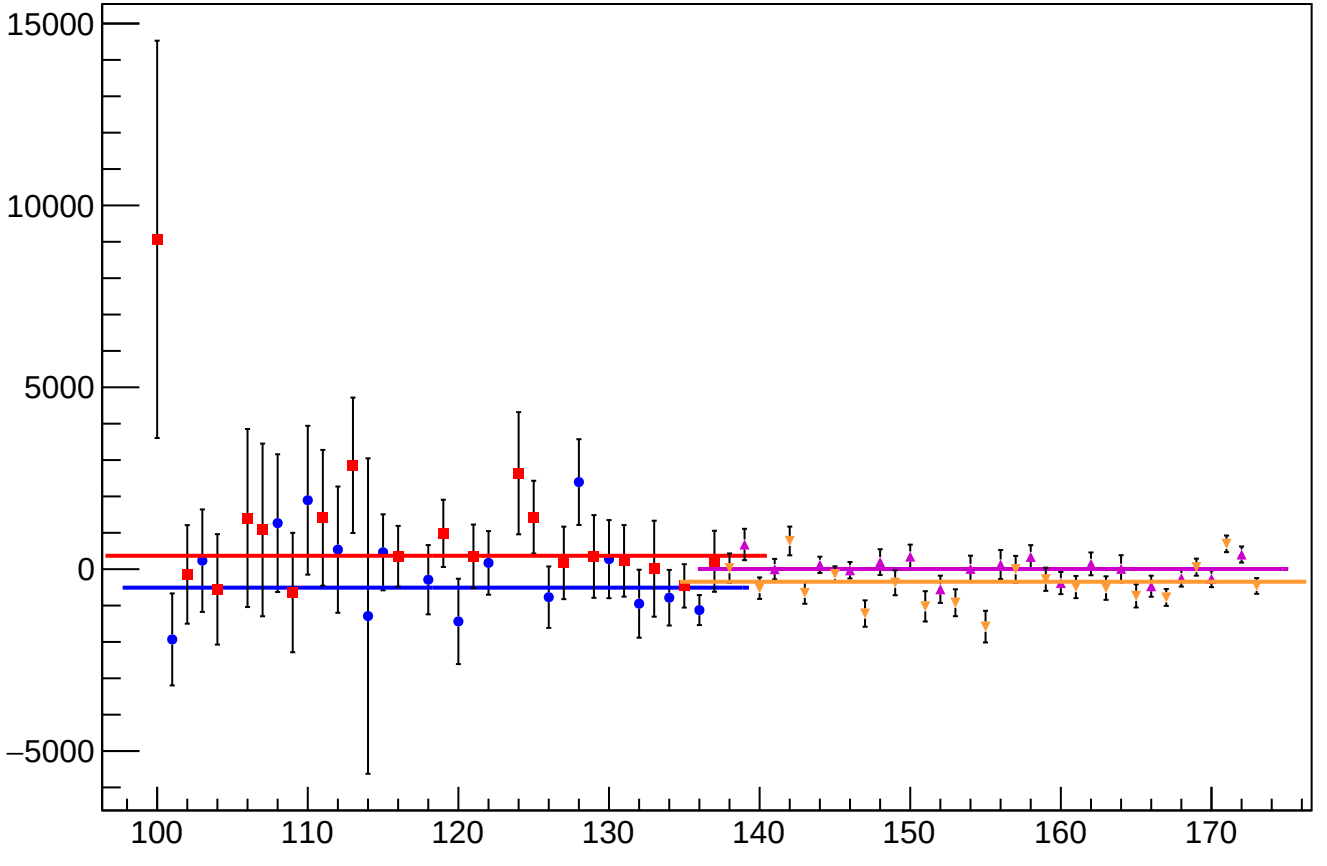
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 50.628+/-0.008 χ^2/NDF:2439205.8/32

Out: 50.360+/-0.008 χ^2/NDF:2953245.0/37

All: 50.490+/-0.006 χ^2/NDF: 5393020.3/70

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -345.238+/-67.965 χ^2/NDF:60.6/18

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 4.959+/-70.128 χ^2/NDF:17.7/16

Left: -175.621+/-48.805 χ^2/NDF: 91.2/35

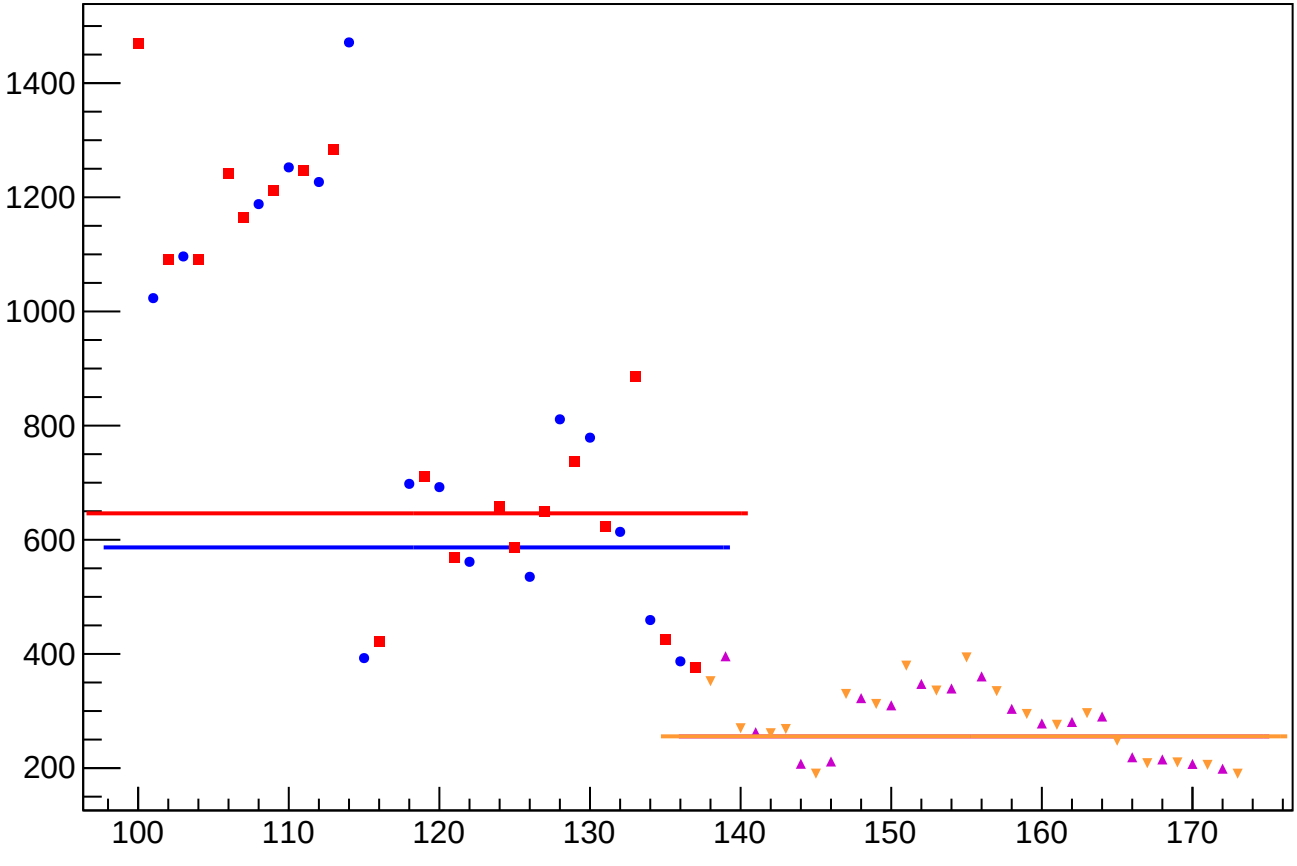
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -36.348+/-67.244 χ^2/NDF:37.6/32

Out: -298.436+/-65.699 χ^2/NDF:79.2/37

All: -170.439+/-46.993 χ^2/NDF: 124.6/70

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: 255.663+/-0.048 χ^2/NDF:1523542.0/18

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 255.497+/-0.050 χ^2/NDF:1270646.6/16

Left: 255.583+/-0.035 χ^2/NDF: 2794194.4/35

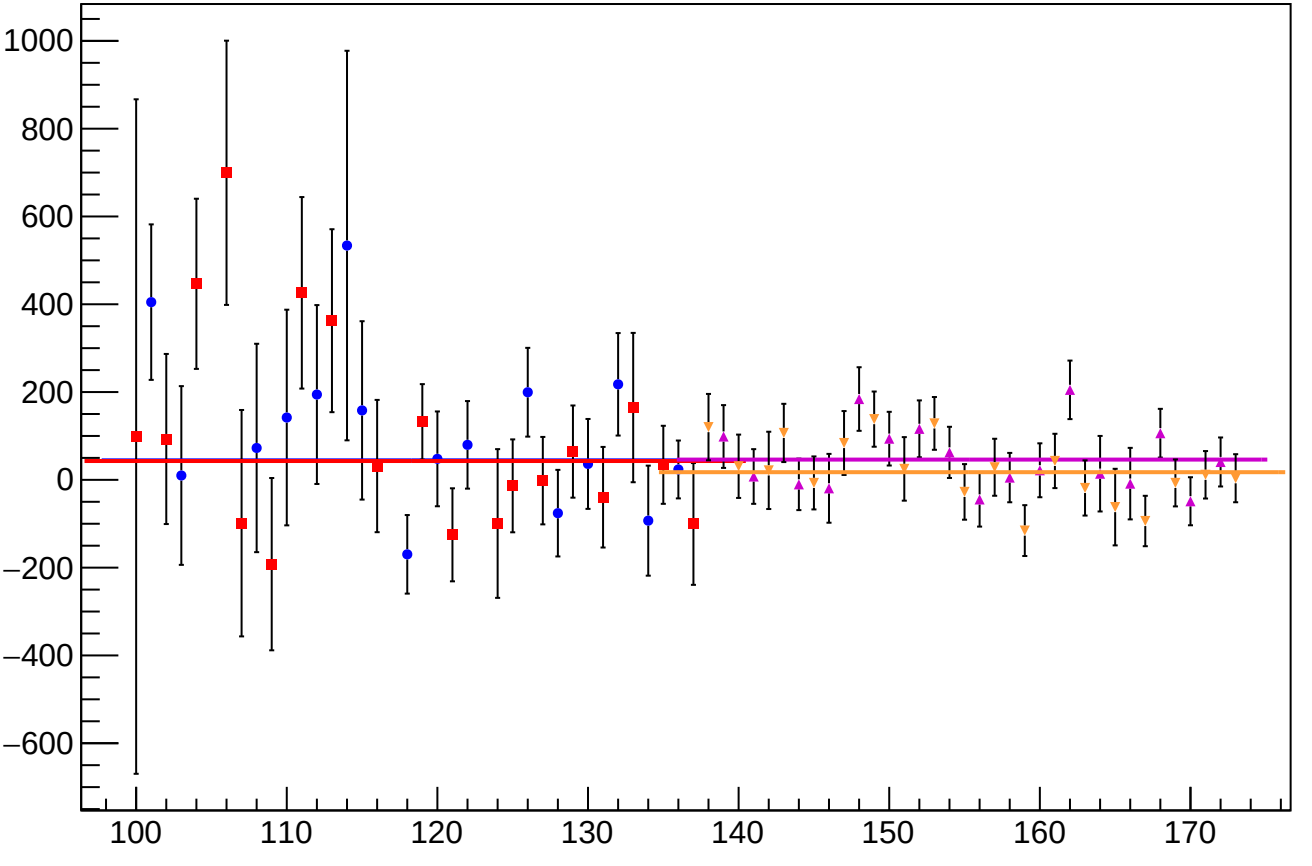
Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 282.168+/-0.048 χ^2/NDF:6915606.3/32

Out: 281.286+/-0.046 χ^2/NDF:7920708.9/37

All: 281.717+/-0.033 χ^2/NDF: 14836491.2/70

dit_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 17.462+/-14.639 χ^2/NDF:23.0/18

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 46.151+/-15.377 χ^2/NDF:21.3/16

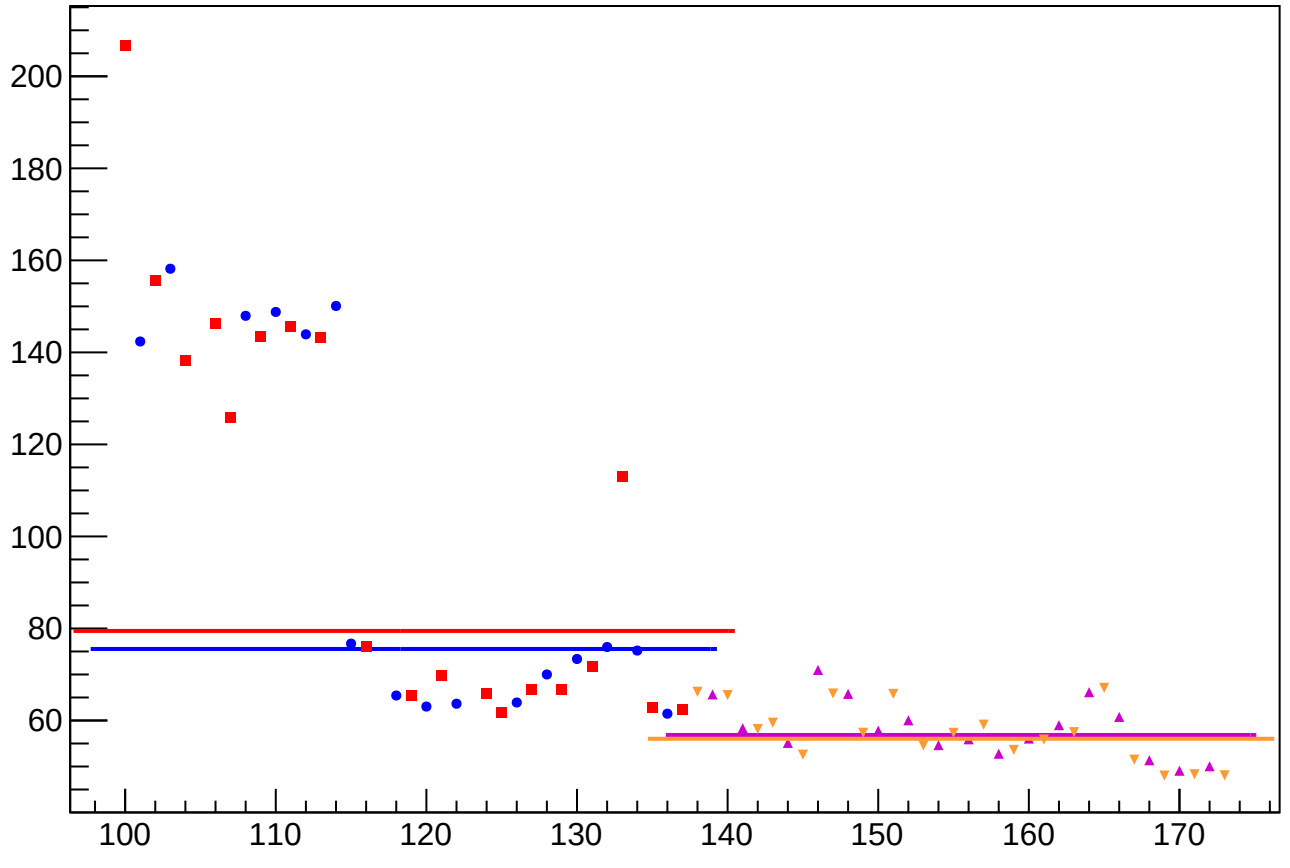
Left: 31.101+/-10.603 χ^2/NDF: 46.1/35

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 45.782+/-13.676 χ^2/NDF:40.9/32

Out: 22.040+/-13.256 χ^2/NDF:46.8/37

All: 33.541+/-9.518 χ^2/NDF: 89.3/70



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 56.029+/-0.010 χ^2/NDF:341542.4/18

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 56.853+/-0.011 χ^2/NDF:267610.3/16

Left: 56.421+/-0.007 χ^2/NDF: 612166.7/35

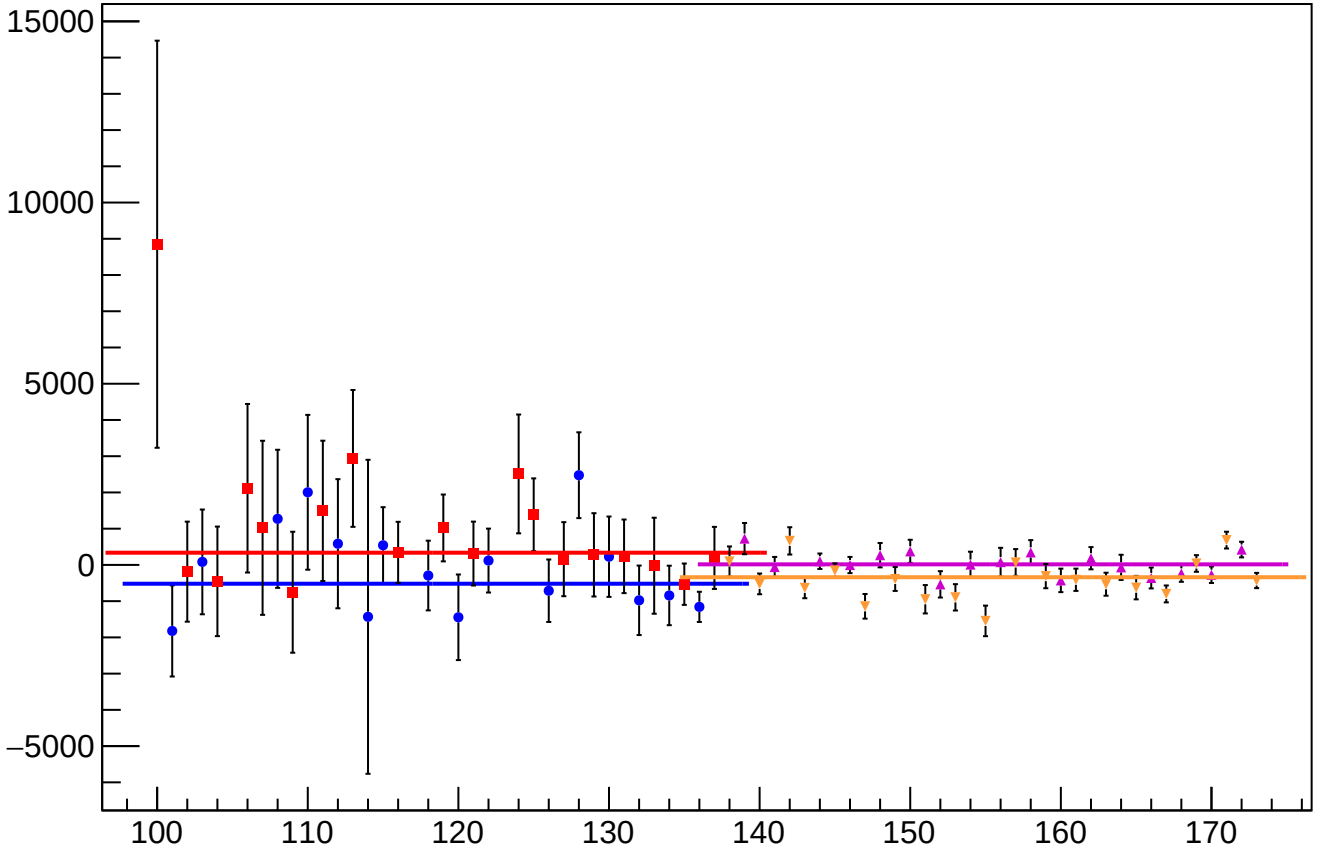
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 60.761+/-0.010 χ^2/NDF:2350960.4/32

Out: 60.247+/-0.009 χ^2/NDF:2947735.5/37

All: 60.496+/-0.007 χ^2/NDF: 5300154.3/70

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: -339.800+/-66.572 χ^2/NDF:57.9/18

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 15.945+/-69.099 χ^2/NDF:18.3/16

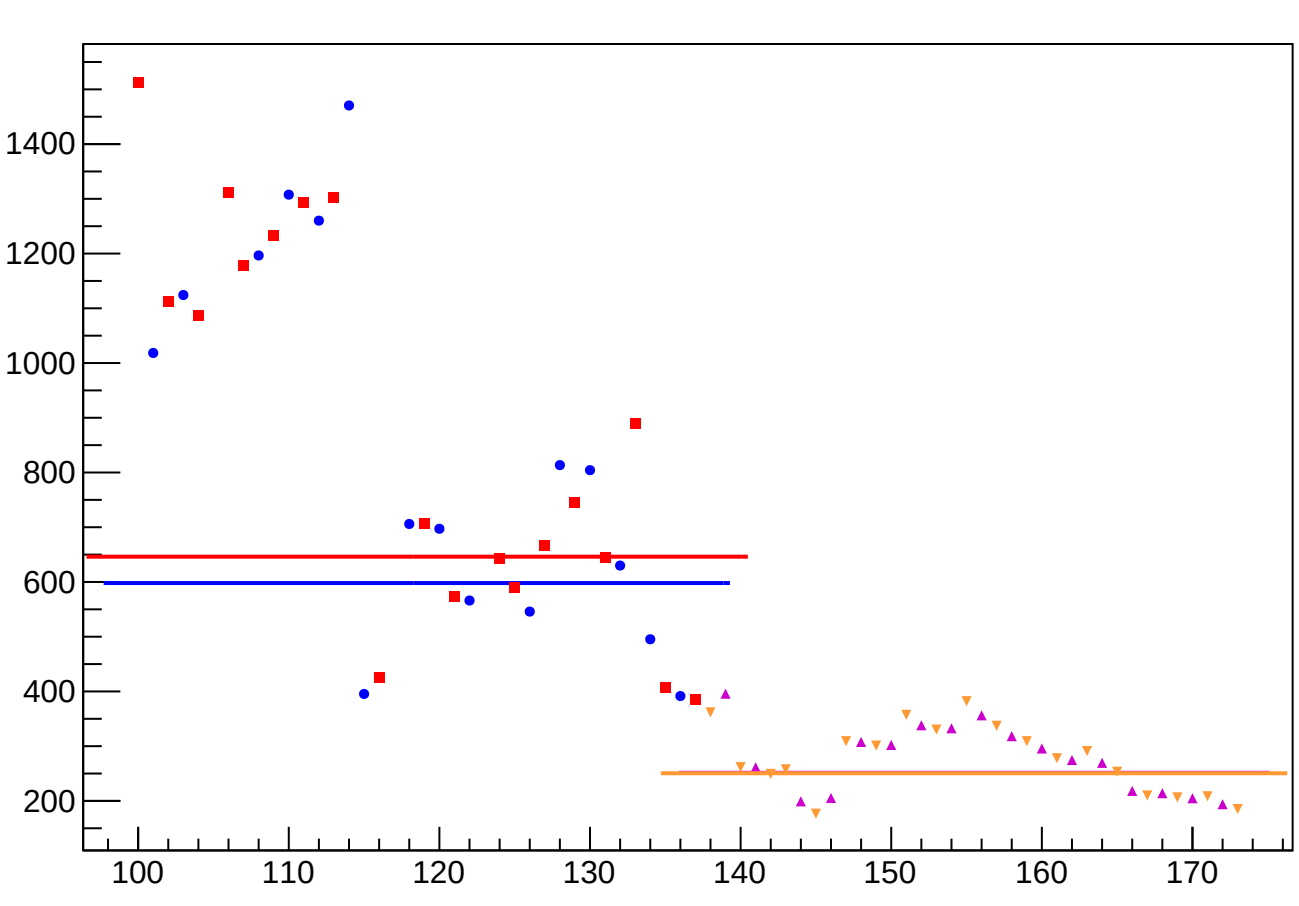
Left: -168.550+/-47.942 χ^2/NDF: 89.9/35

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: -24.611+/-66.429 χ^2/NDF:38.7/32

Out: -297.141+/-64.439 χ^2/NDF:76.3/37

All: -165.019+/-46.253 χ^2/NDF: 123.6/70



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 250.517+/-0.047 χ^2/NDF:1592137.9/18

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 251.326+/-0.049 χ^2/NDF:1334780.6/16

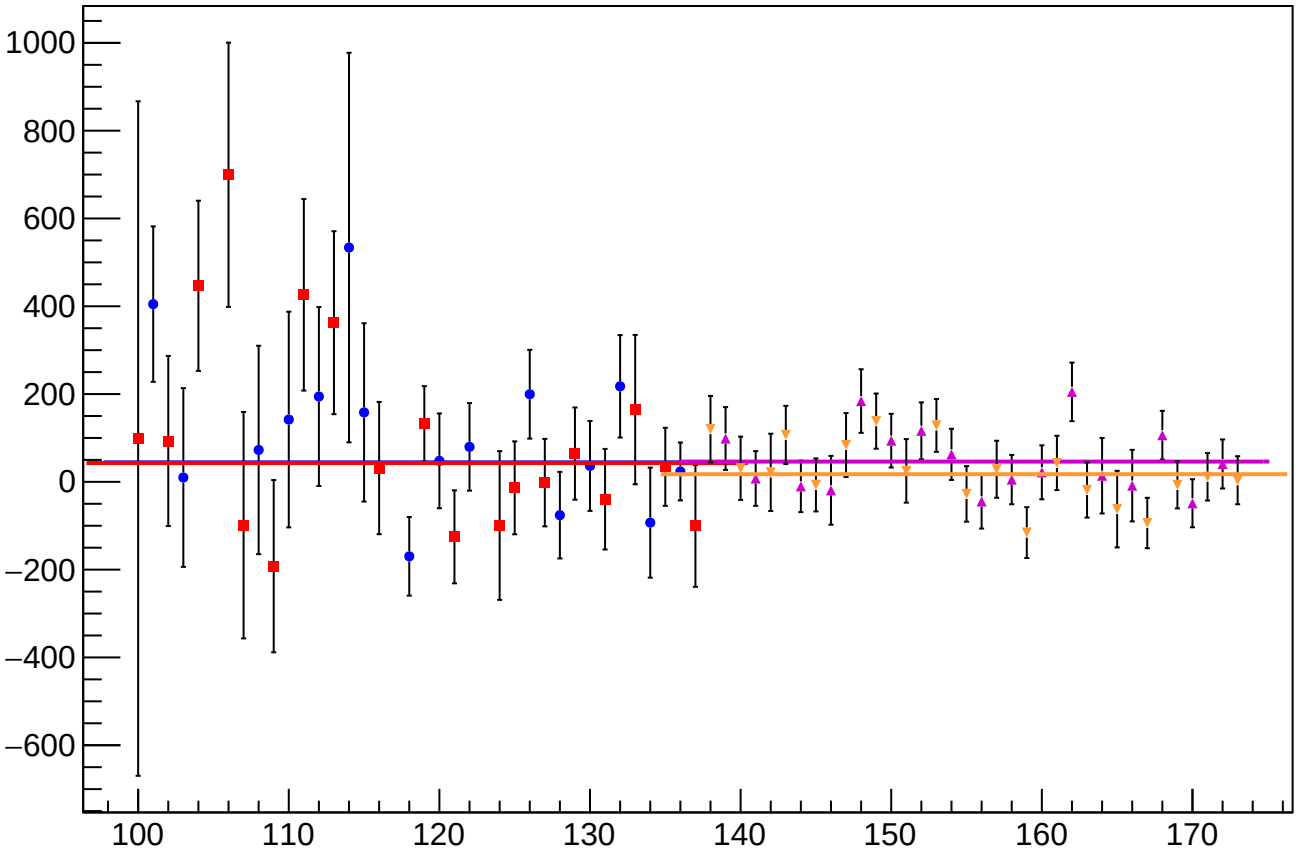
Left: 250.906+/-0.034 χ^2/NDF: 2927060.7/35

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 277.600+/-0.047 χ^2/NDF:7198398.3/32

Out: 275.466+/-0.046 χ^2/NDF:8252531.4/37

All: 276.501+/-0.033 χ^2/NDF: 15451992.3/70



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 17.461+/-14.639 χ^2/NDF:23.0/18

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 46.150+/-15.377 χ^2/NDF:21.3/16

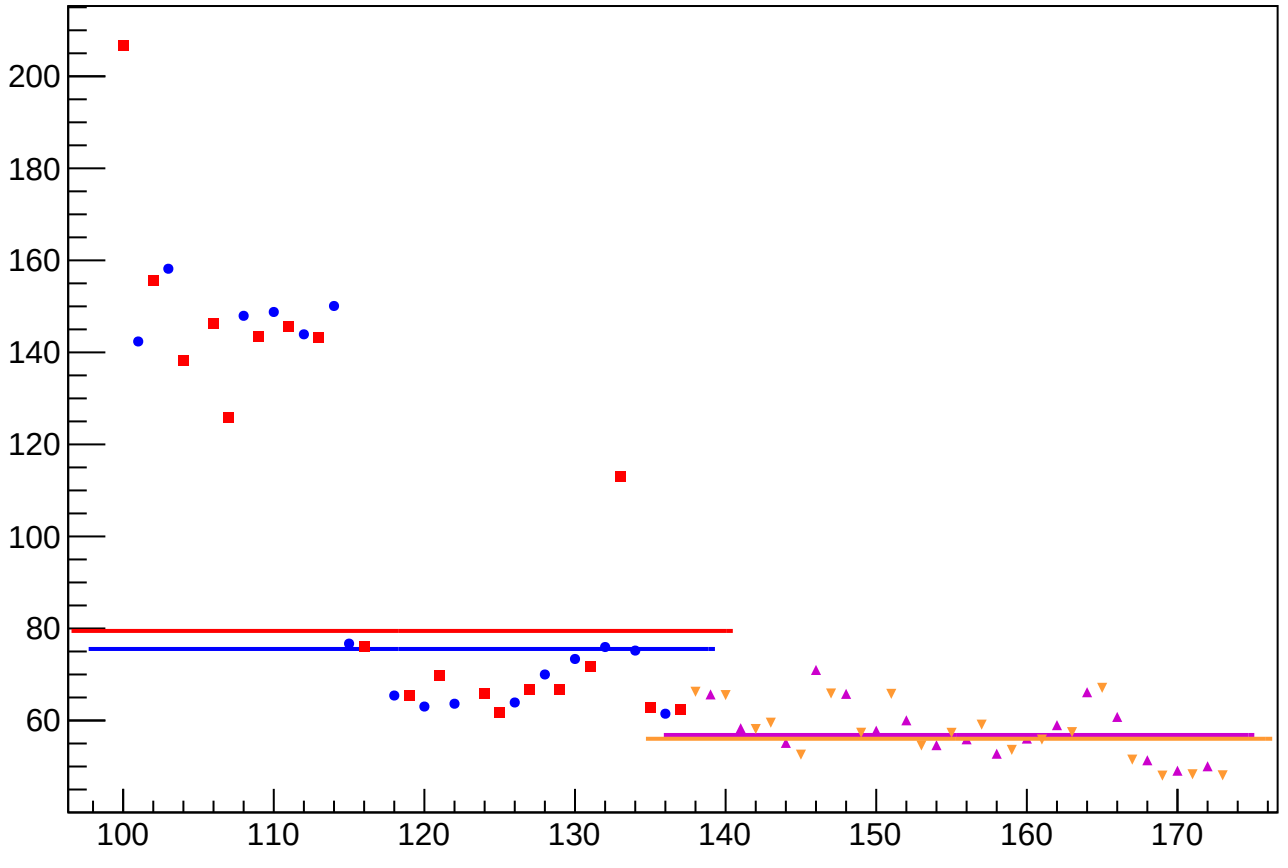
Left: 31.100+/-10.603 χ^2/NDF: 46.1/35

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 45.782+/-13.676 χ^2/NDF:40.9/32

Out: 22.039+/-13.256 χ^2/NDF:46.8/37

All: 33.541+/-9.518 χ^2/NDF: 89.3/70



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 56.029+/-0.010 χ^2/NDF:341544.6/18

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 56.853+/-0.011 χ^2/NDF:267610.7/16

Left: 56.421+/-0.007 χ^2/NDF: 612170.0/35

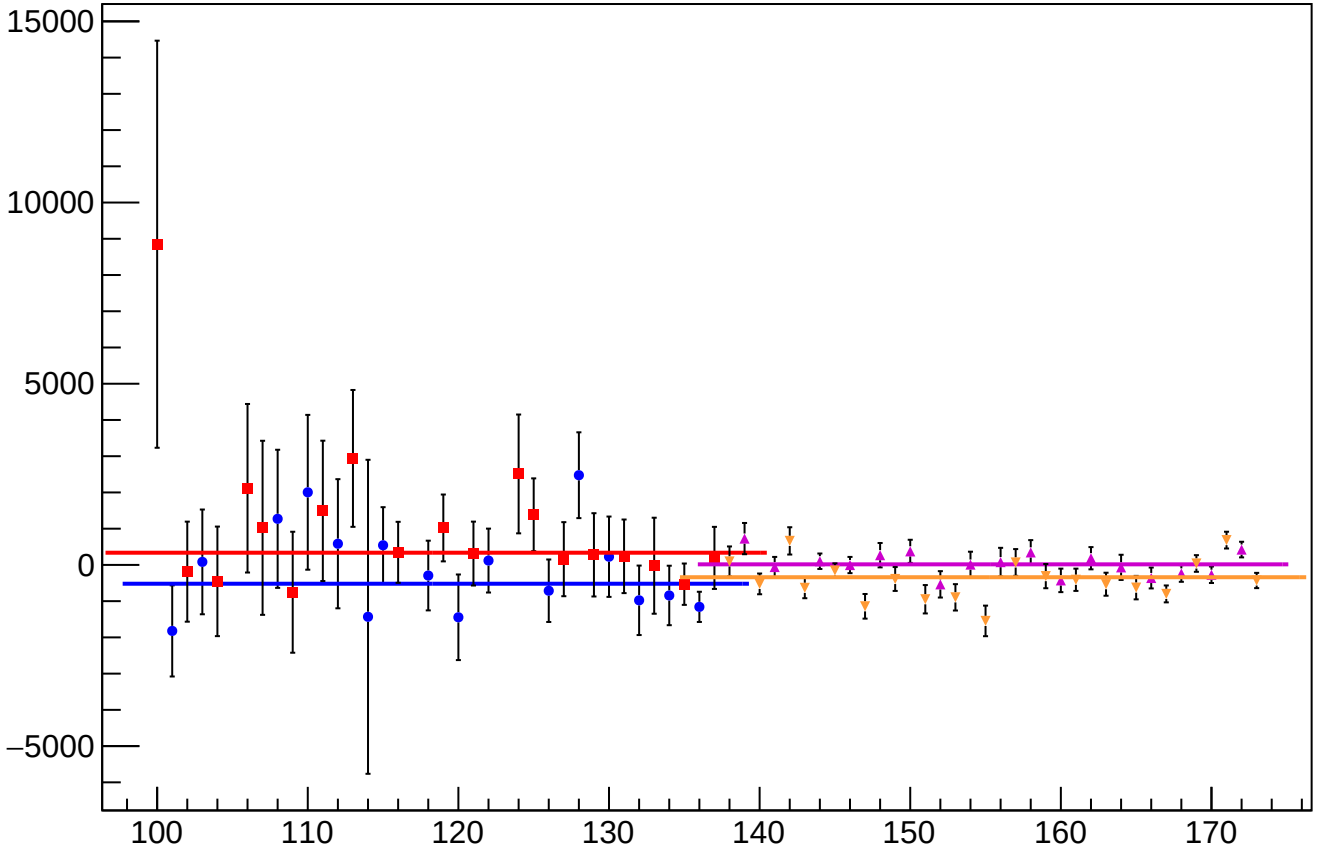
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 60.761+/-0.010 χ^2/NDF:2350915.7/32

Out: 60.247+/-0.009 χ^2/NDF:2947706.1/37

All: 60.496+/-0.007 χ^2/NDF: 5300080.5/70

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: -339.798+/-66.572 χ^2/NDF:57.9/18

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 15.944+/-69.099 χ^2/NDF:18.3/16

Left: -168.550+/-47.942 χ^2/NDF: 89.9/35

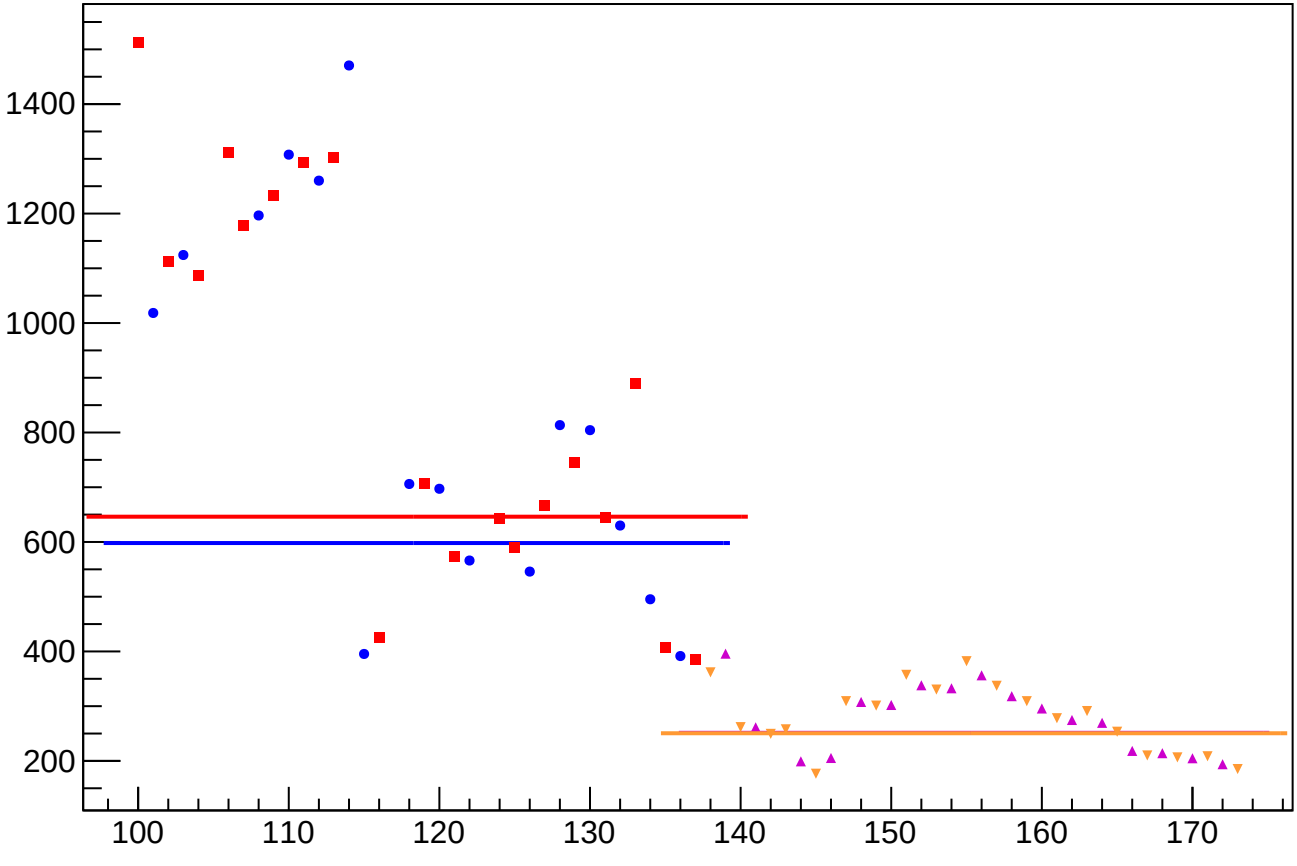
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: -24.612+/-66.429 χ^2/NDF:38.7/32

Out: -297.139+/-64.439 χ^2/NDF:76.3/37

All: -165.019+/-46.253 χ^2/NDF: 123.6/70

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: 250.516+/-0.047 χ^2/NDF:1592140.2/18

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 251.326+/-0.049 χ^2/NDF:1334773.9/16

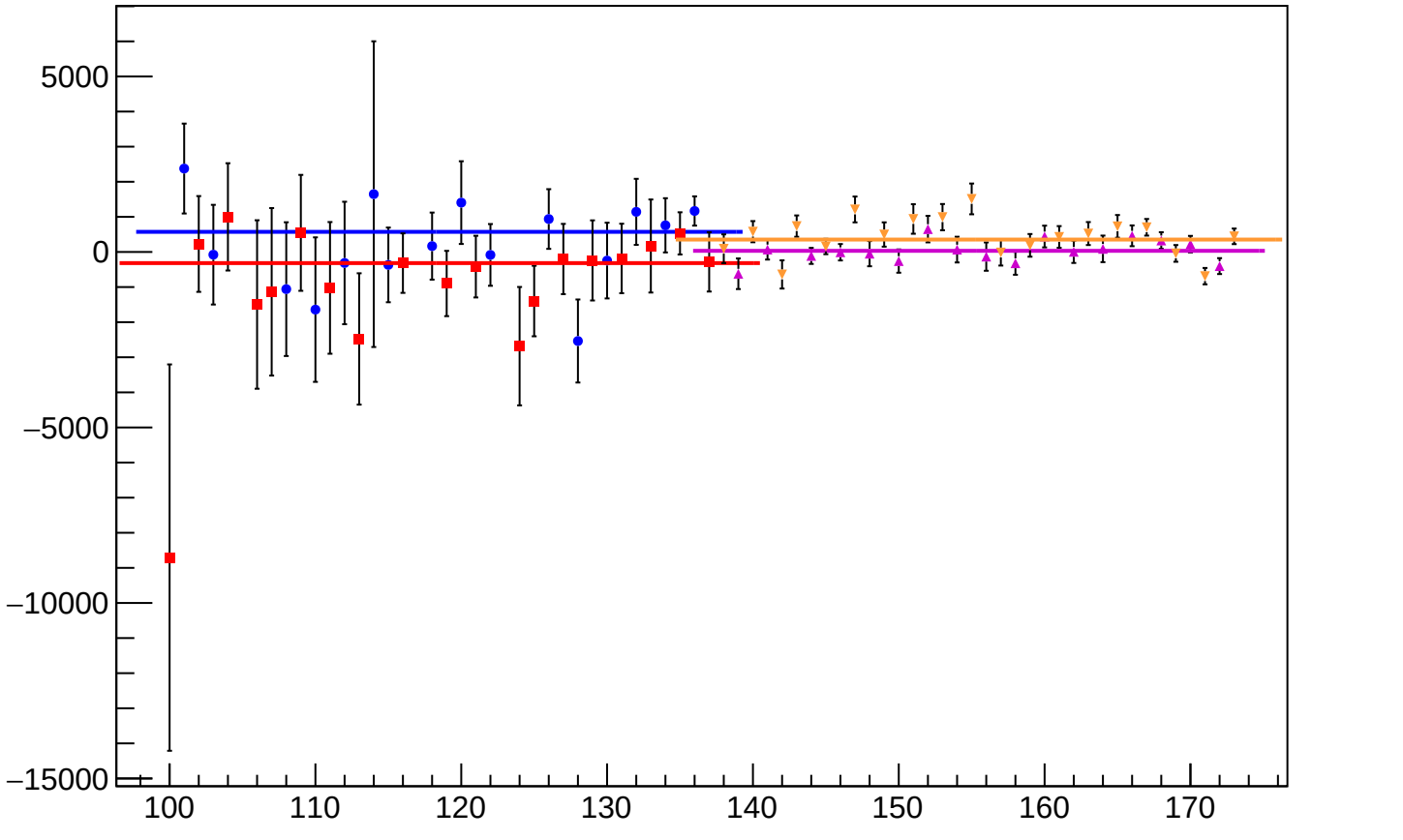
Left: 250.906+/-0.034 χ^2/NDF: 2927056.4/35

Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 277.599+/-0.047 χ^2/NDF:7198378.8/32

Out: 275.466+/-0.046 χ^2/NDF:8252528.9/37

All: 276.500+/-0.033 χ^2/NDF: 15451970.5/70



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 353.295+/-69.190 χ^2/NDF:54.9/18

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: 32.368+/-71.465 χ^2/NDF:17.3/16

Left: 198.023+/-49.710 χ^2/NDF: 82.6/35

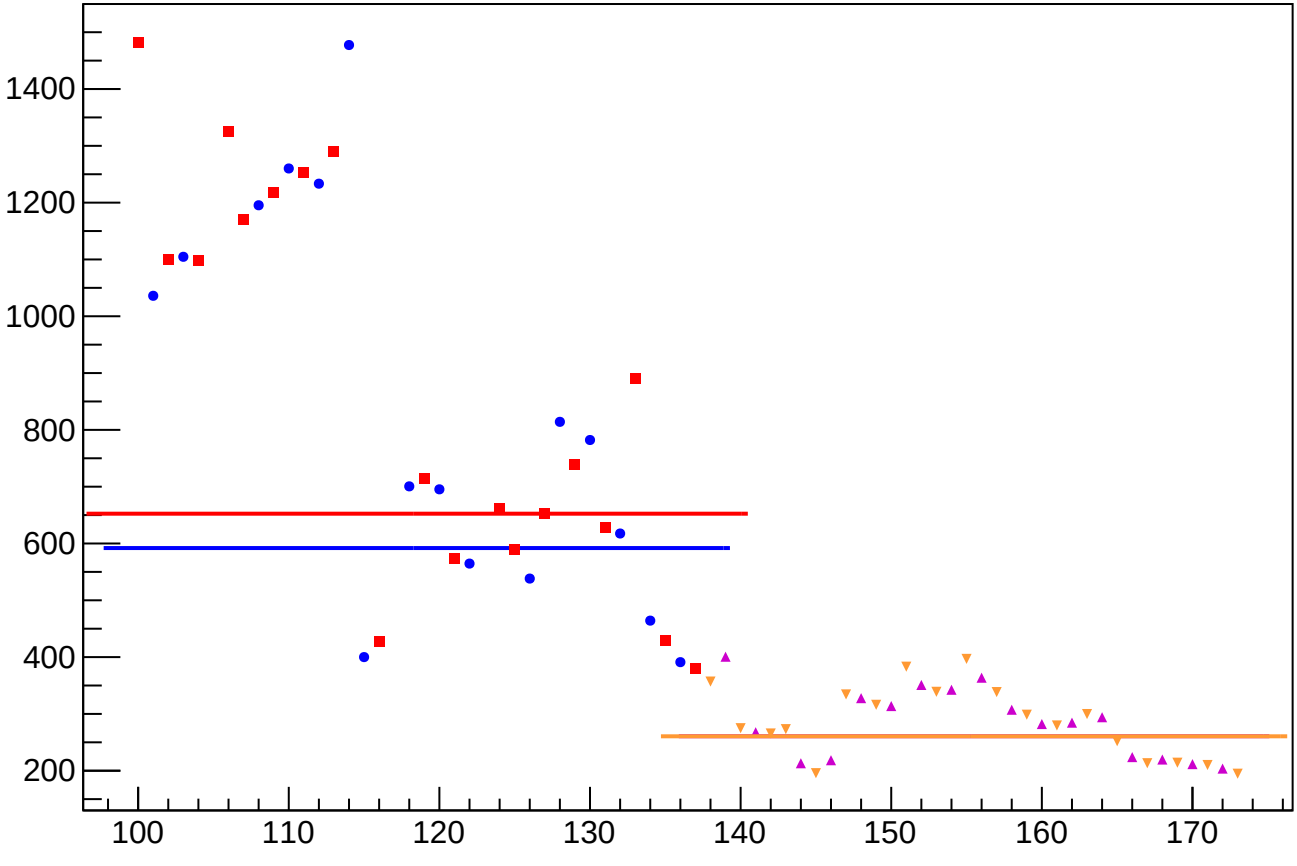
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 76.797+/-68.468 χ^2/NDF:38.5/32

Out: 308.412+/-66.832 χ^2/NDF:72.2/37

All: 195.404+/-47.825 χ^2/NDF: 116.6/70

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 260.590+/-0.049 χ^2/NDF:1456280.2/18

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 260.709+/-0.051 χ^2/NDF:1205907.2/16

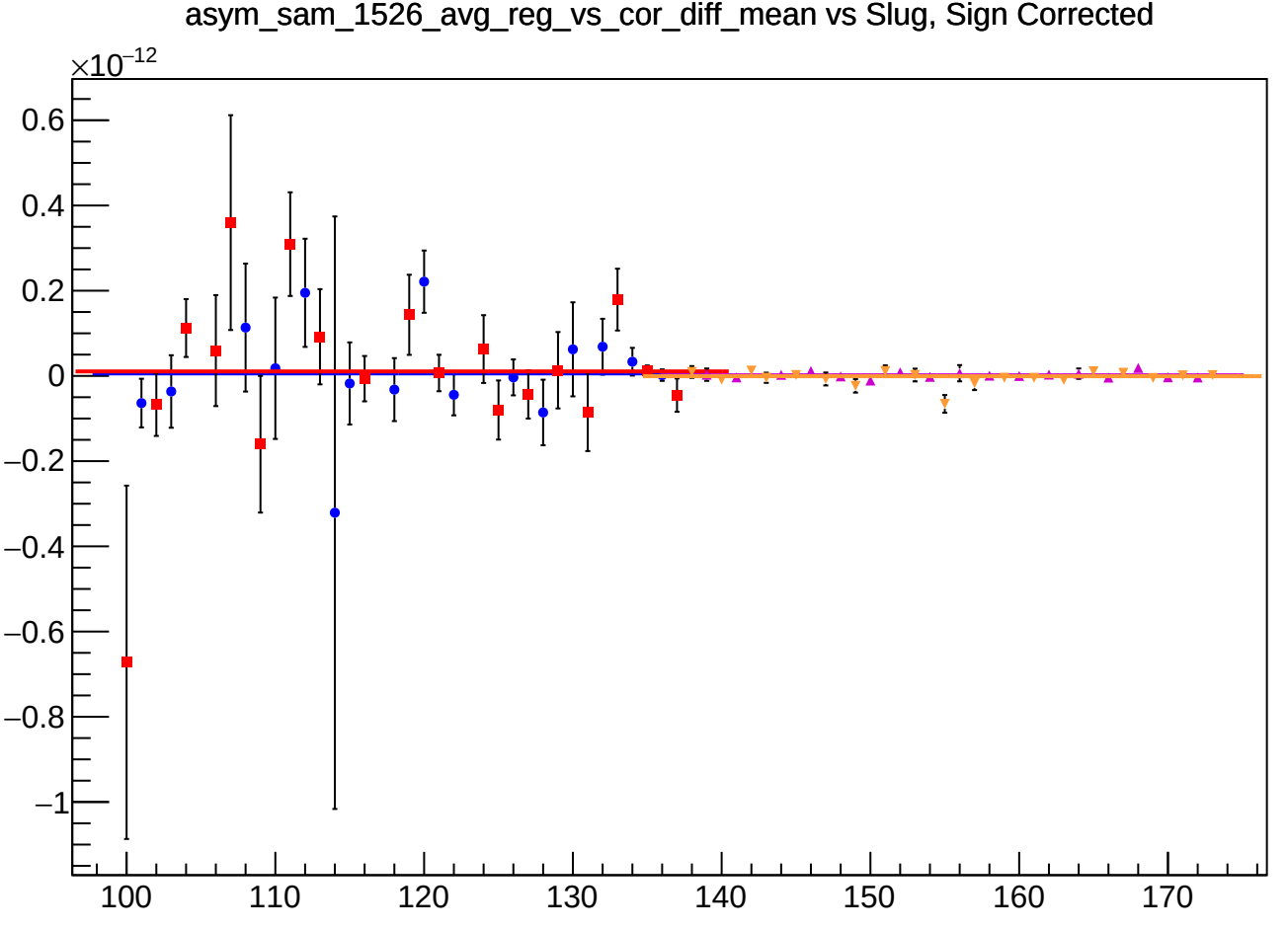
Left: 260.648+/-0.035 χ^2/NDF: 2662190.3/35

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 287.913+/-0.048 χ^2/NDF:6770645.5/32

Out: 286.837+/-0.047 χ^2/NDF:7843217.0/37

All: 287.362+/-0.034 χ^2/NDF: 14614115.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:9.5/16

Left: 0.000+/-0.000 χ^2/NDF: 31.8/35

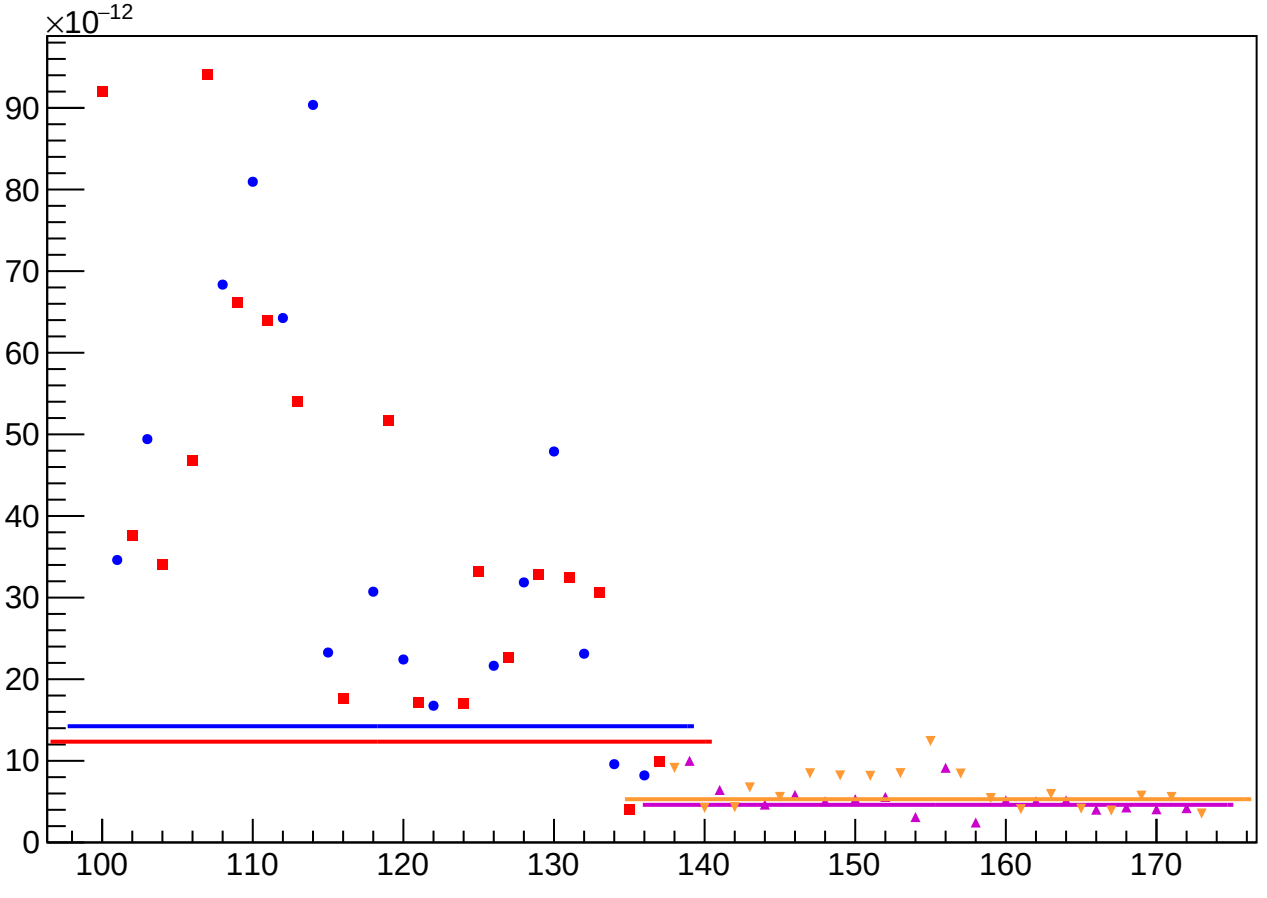
Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

In: 0.000+/-0.000 χ^2/NDF:27.9/32

Out: -0.000+/-0.000 χ^2/NDF:52.4/37

All: 0.000+/-0.000 χ^2/NDF: 80.7/70

asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2493527.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1215797.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3472954.4/18

Left In: 0.000+/-0.000 χ^2/NDF:809387.5/16

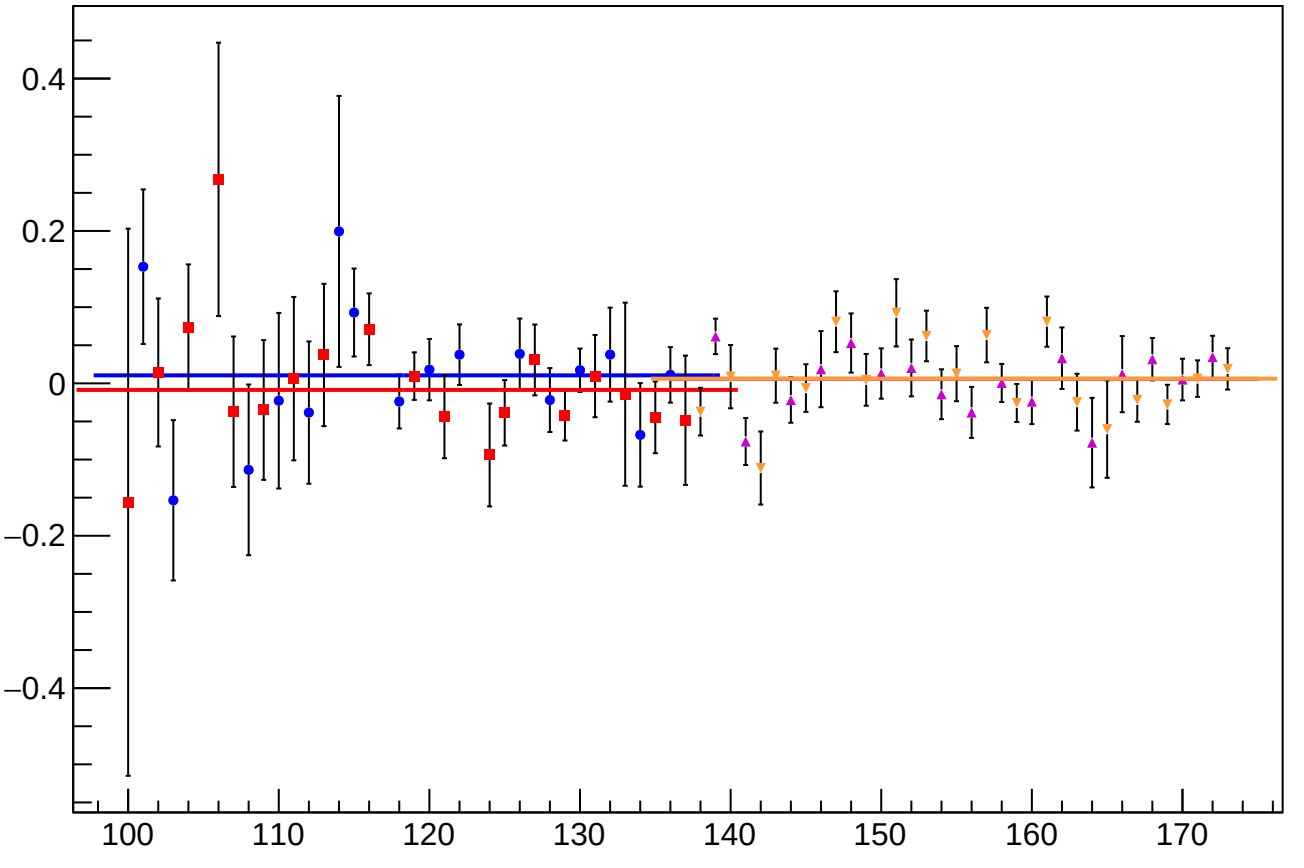
Left: 0.000+/-0.000 χ^2/NDF: 2118664.6/35

Right: 0.000+/-0.000 χ^2/NDF: 5998748.7/34

In: 0.000+/-0.000 χ^2/NDF:4904897.1/32

Out: 0.000+/-0.000 χ^2/NDF:5542795.4/37

All: 0.000+/-0.000 χ^2/NDF: 10519001.2/70



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.006+/-0.008 χ^2/NDF:32.3/18

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.006+/-0.008 χ^2/NDF:23.0/16

Left: 0.006+/-0.005 χ^2/NDF: 55.3/35

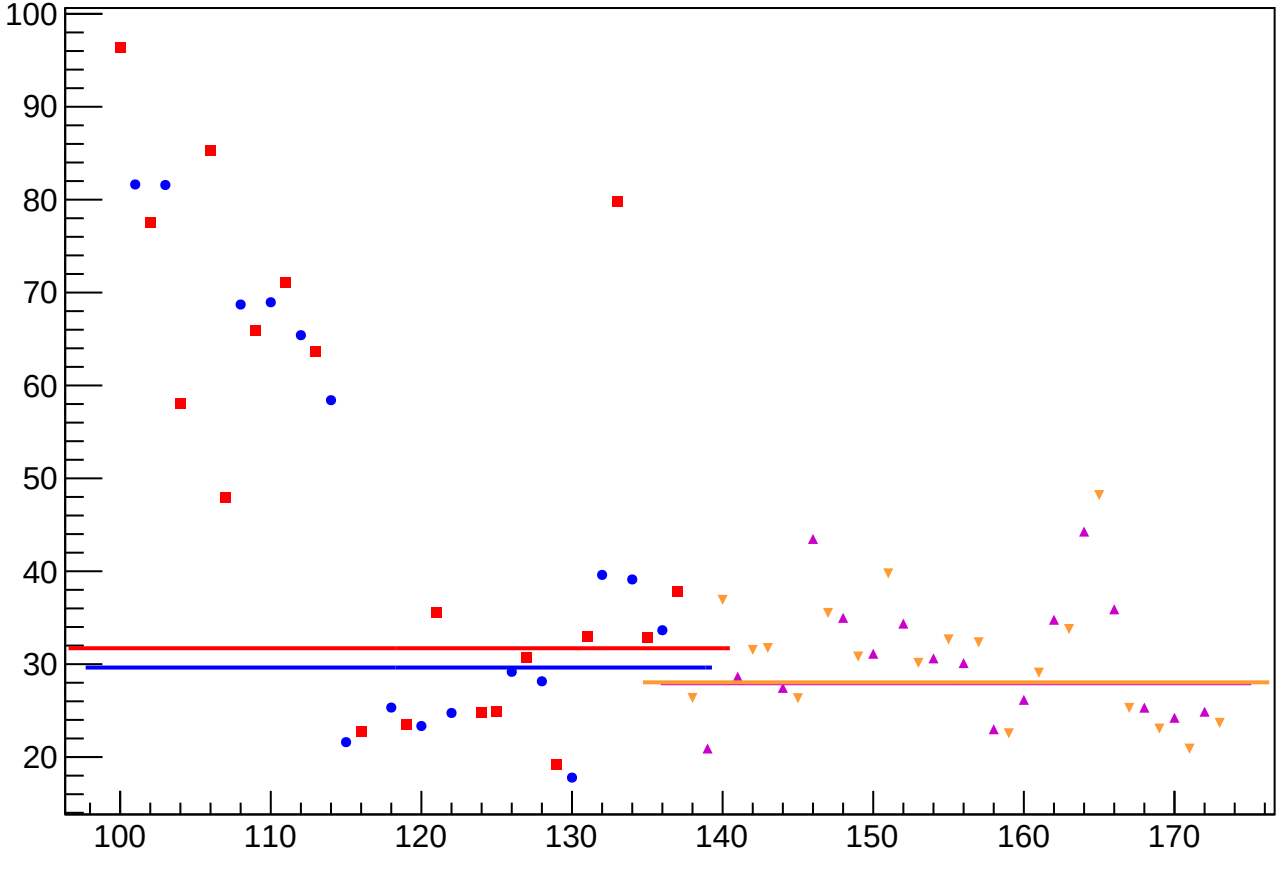
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.007 χ^2/NDF:36.3/32

Out: 0.003+/-0.007 χ^2/NDF:45.7/37

All: 0.005+/-0.005 χ^2/NDF: 82.2/70

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.042+/-0.005 χ^2/NDF:1096928.6/18

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 27.944+/-0.006 χ^2/NDF:969662.0/16

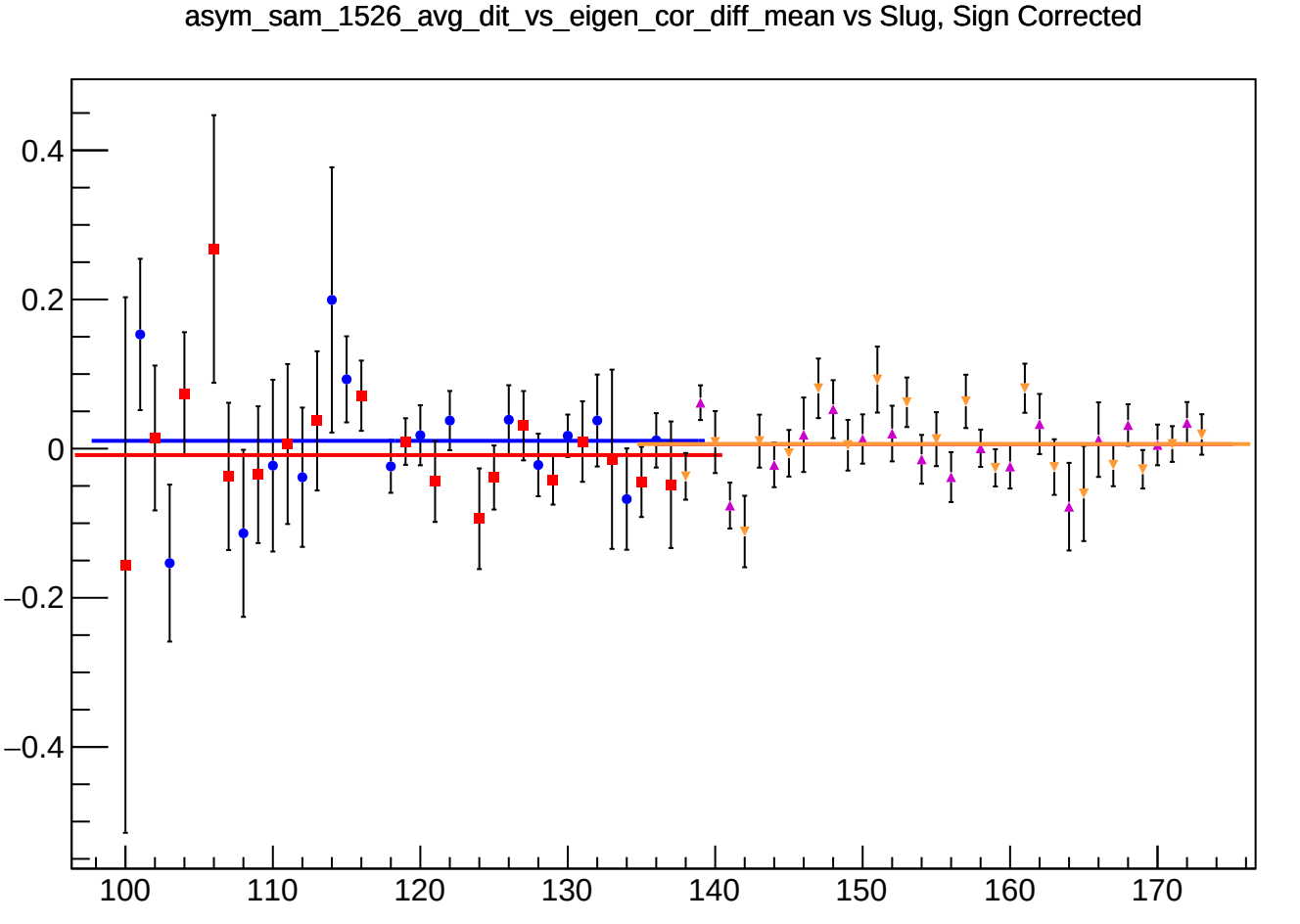
Left: 27.995+/-0.004 χ^2/NDF: 2066752.6/35

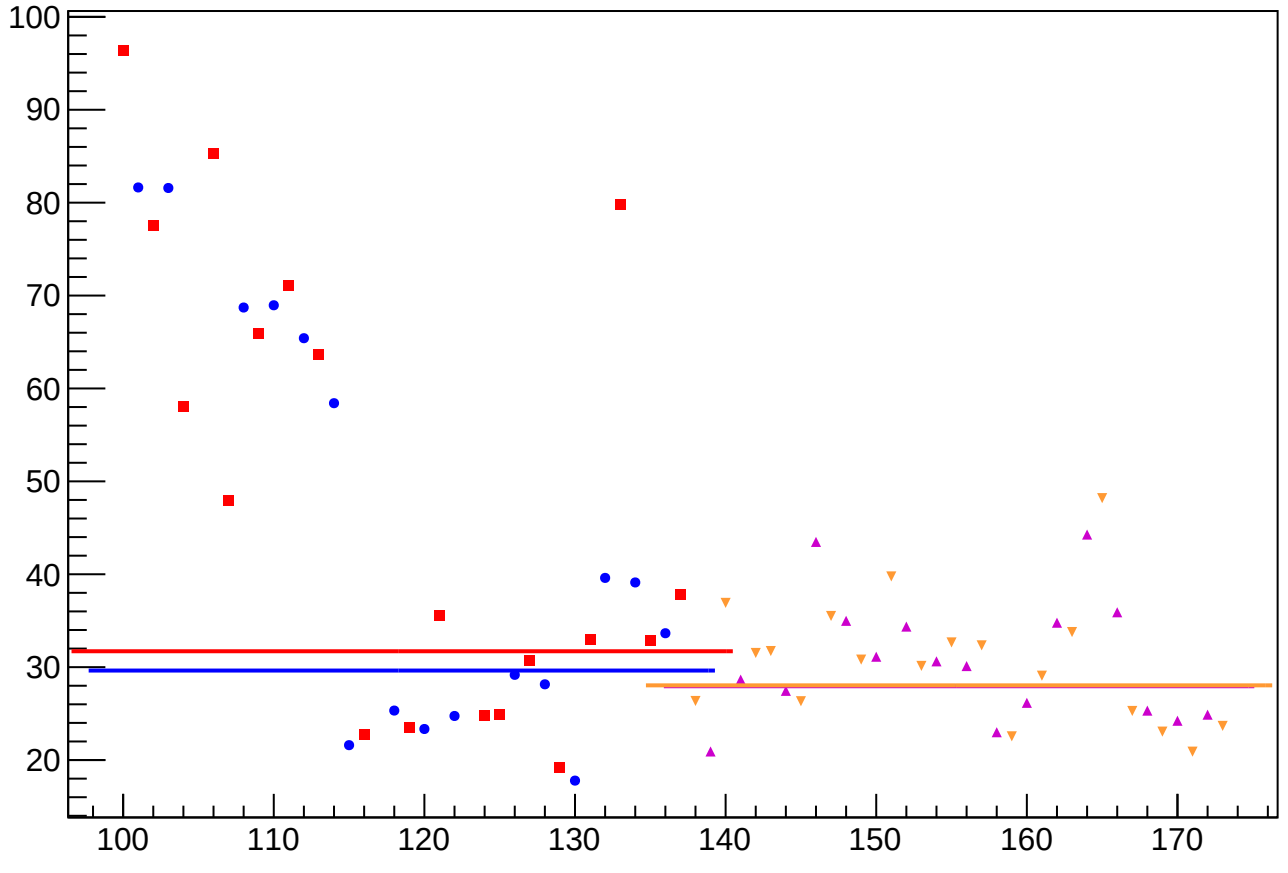
Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.413+/-0.005 χ^2/NDF:3444308.6/32

Out: 28.939+/-0.005 χ^2/NDF:3864504.1/37

All: 28.679+/-0.003 χ^2/NDF: 7315195.6/70


asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: 0.010+/-0.013 χ²/NDF: 13.1/15
Left Out: 0.006+/-0.008 χ²/NDF:32.3/18
Right Out: -0.009+/-0.013 χ²/NDF: 12.4/18
Left In: 0.006+/-0.008 χ²/NDF:23.0/16
Left: 0.006+/-0.005 χ²/NDF: 55.3/35
Right: 0.001+/-0.009 χ²/NDF: 26.7/34
In: 0.007+/-0.007 χ²/NDF:36.3/32
Out: 0.003+/-0.007 χ²/NDF:45.7/37
All: 0.005+/-0.005 χ²/NDF: 82.2/70



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.042+/-0.005 χ^2/NDF:1096928.6/18

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 27.944+/-0.006 χ^2/NDF:969662.0/16

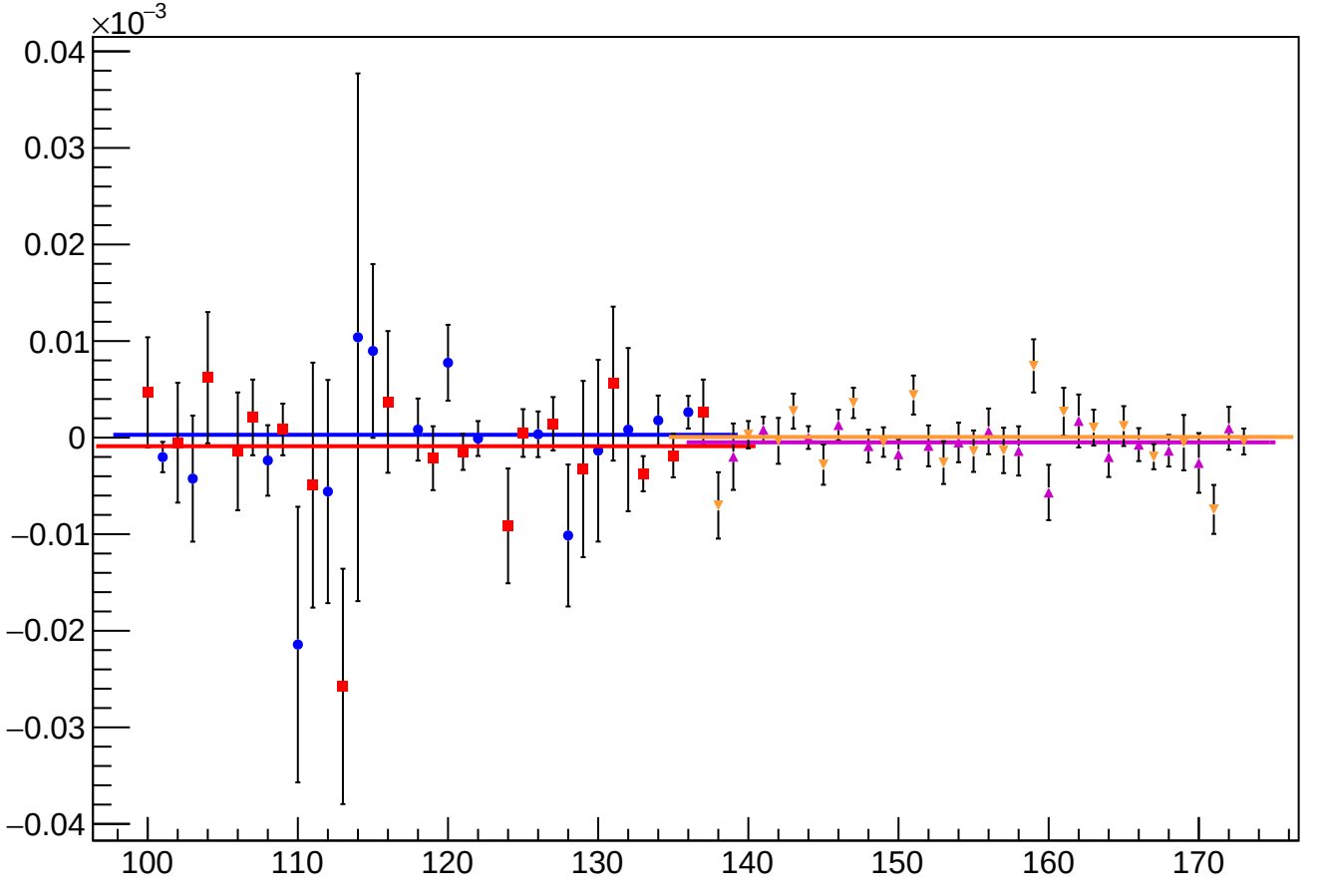
Left: 27.995+/-0.004 χ^2/NDF: 2066752.6/35

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.413+/-0.005 χ^2/NDF:3444308.6/32

Out: 28.939+/-0.005 χ^2/NDF:3864504.1/37

All: 28.679+/-0.003 χ^2/NDF: 7315195.6/70



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:9.4/16

Left: -0.000+/-0.000 χ^2/NDF: 50.8/35

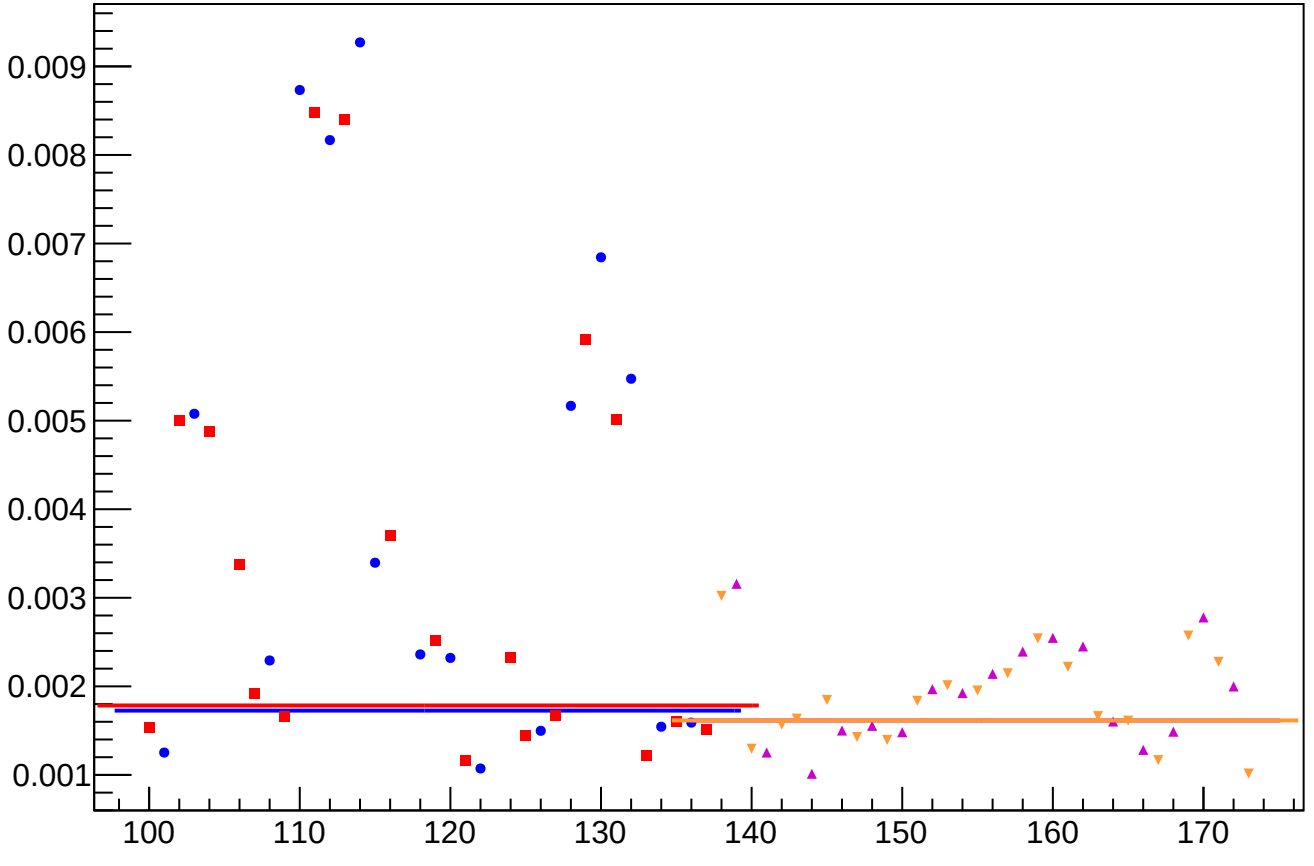
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:24.9/32

Out: -0.000+/-0.000 χ^2/NDF:57.2/37

All: -0.000+/-0.000 χ^2/NDF: 82.1/70

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:2118783.9/18

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.002+/-0.000 χ^2/NDF:2315080.0/16

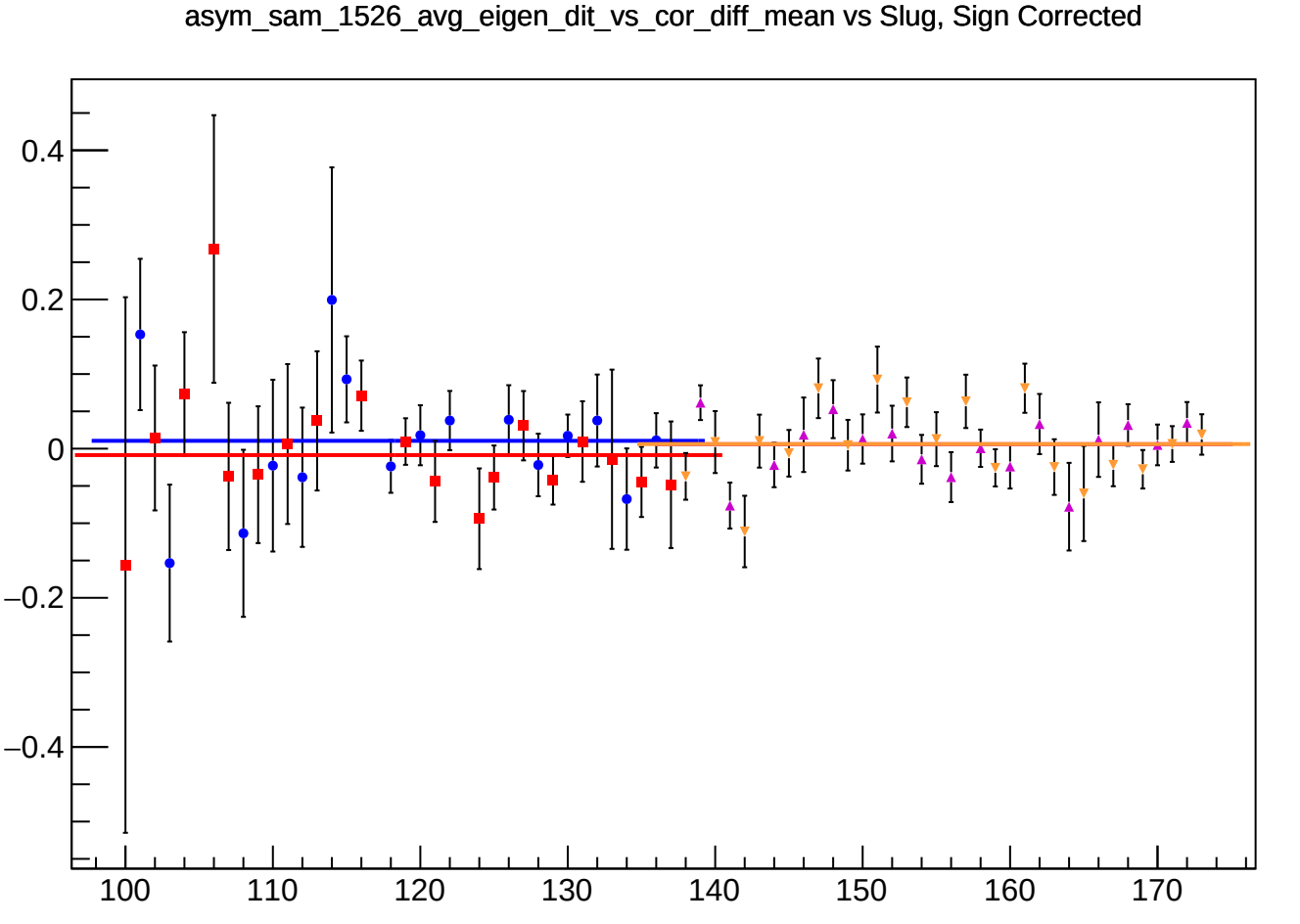
Left: 0.002+/-0.000 χ^2/NDF: 4433865.1/35

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

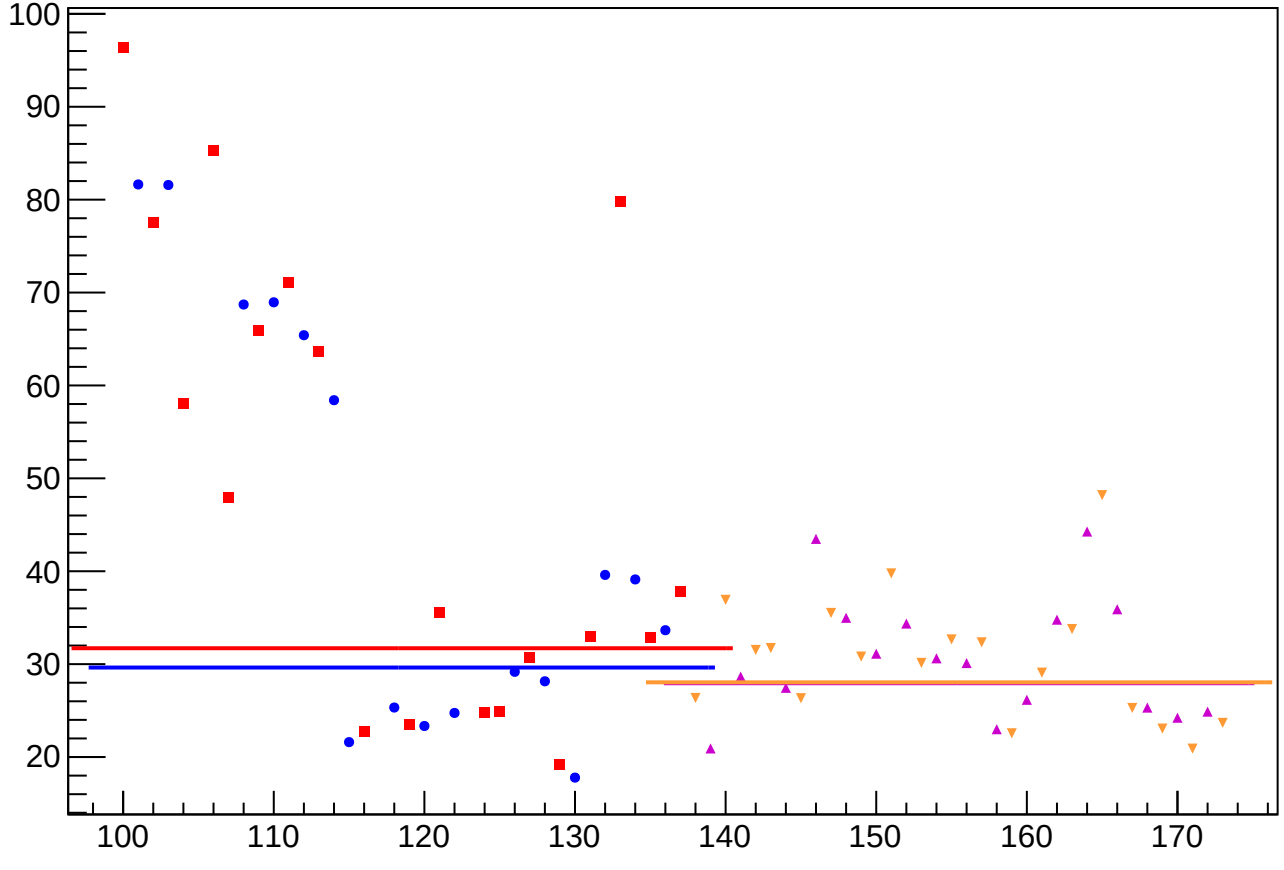
In: 0.002+/-0.000 χ^2/NDF:6278873.8/32

Out: 0.002+/-0.000 χ^2/NDF:5909223.6/37

All: 0.002+/-0.000 χ^2/NDF: 12189037.5/70


asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: 0.010+/-0.013 χ²/NDF: 13.1/15
Left Out: 0.006+/-0.008 χ²/NDF:32.3/18
Right Out: -0.009+/-0.013 χ²/NDF: 12.4/18
Left In: 0.006+/-0.008 χ²/NDF:23.0/16
Left: 0.006+/-0.005 χ²/NDF: 55.3/35
Right: 0.001+/-0.009 χ²/NDF: 26.7/34
In: 0.007+/-0.007 χ²/NDF:36.3/32
Out: 0.003+/-0.007 χ²/NDF:45.7/37
All: 0.005+/-0.005 χ²/NDF: 82.2/70

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.042+/-0.005 χ^2/NDF:1096965.9/18

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 27.945+/-0.006 χ^2/NDF:969670.5/16

Left: 27.995+/-0.004 χ^2/NDF: 2066797.7/35

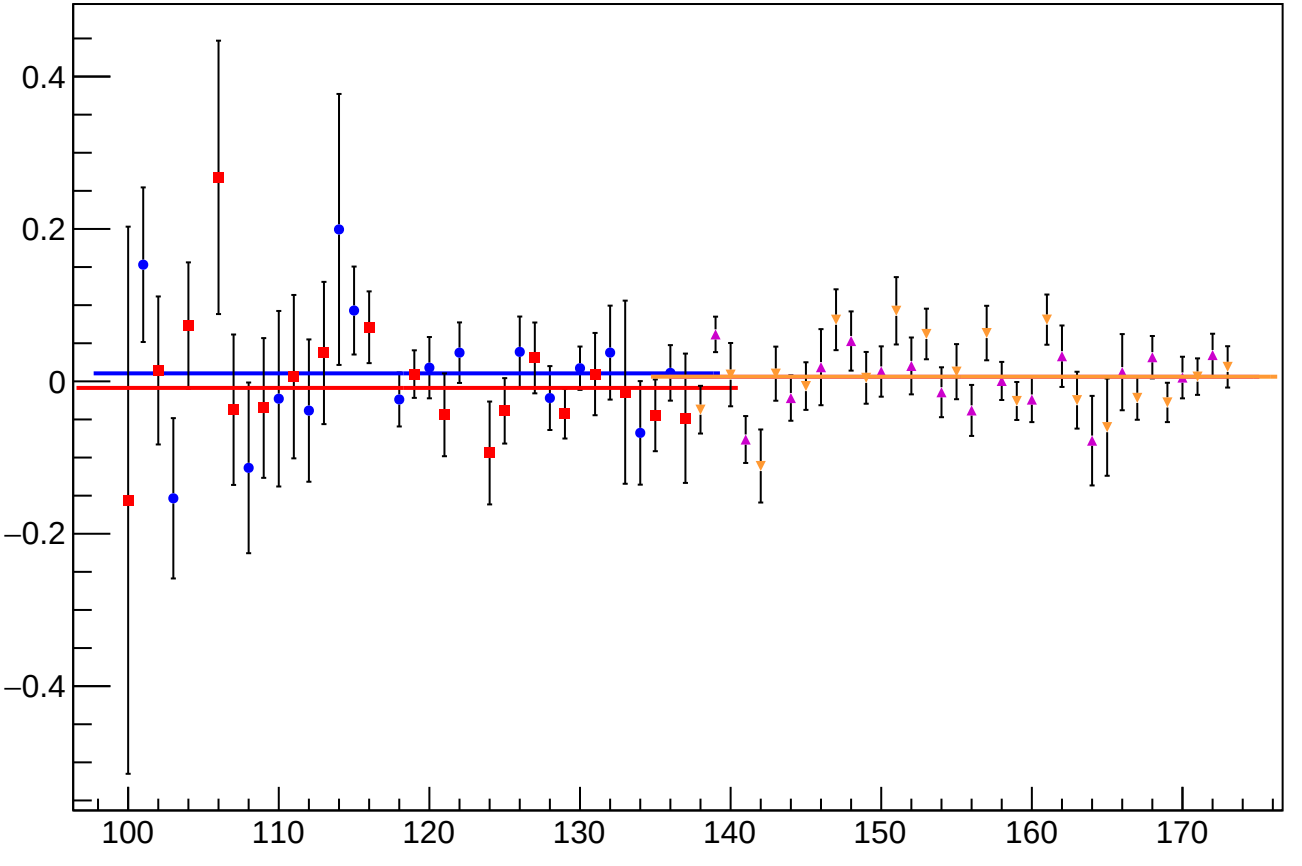
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.413+/-0.005 χ^2/NDF:3444469.5/32

Out: 28.939+/-0.005 χ^2/NDF:3864623.2/37

All: 28.679+/-0.003 χ^2/NDF: 7315472.9/70

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.006+/-0.008 χ^2/NDF:32.3/18

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.006+/-0.008 χ^2/NDF:23.0/16

Left: 0.006+/-0.005 χ^2/NDF: 55.3/35

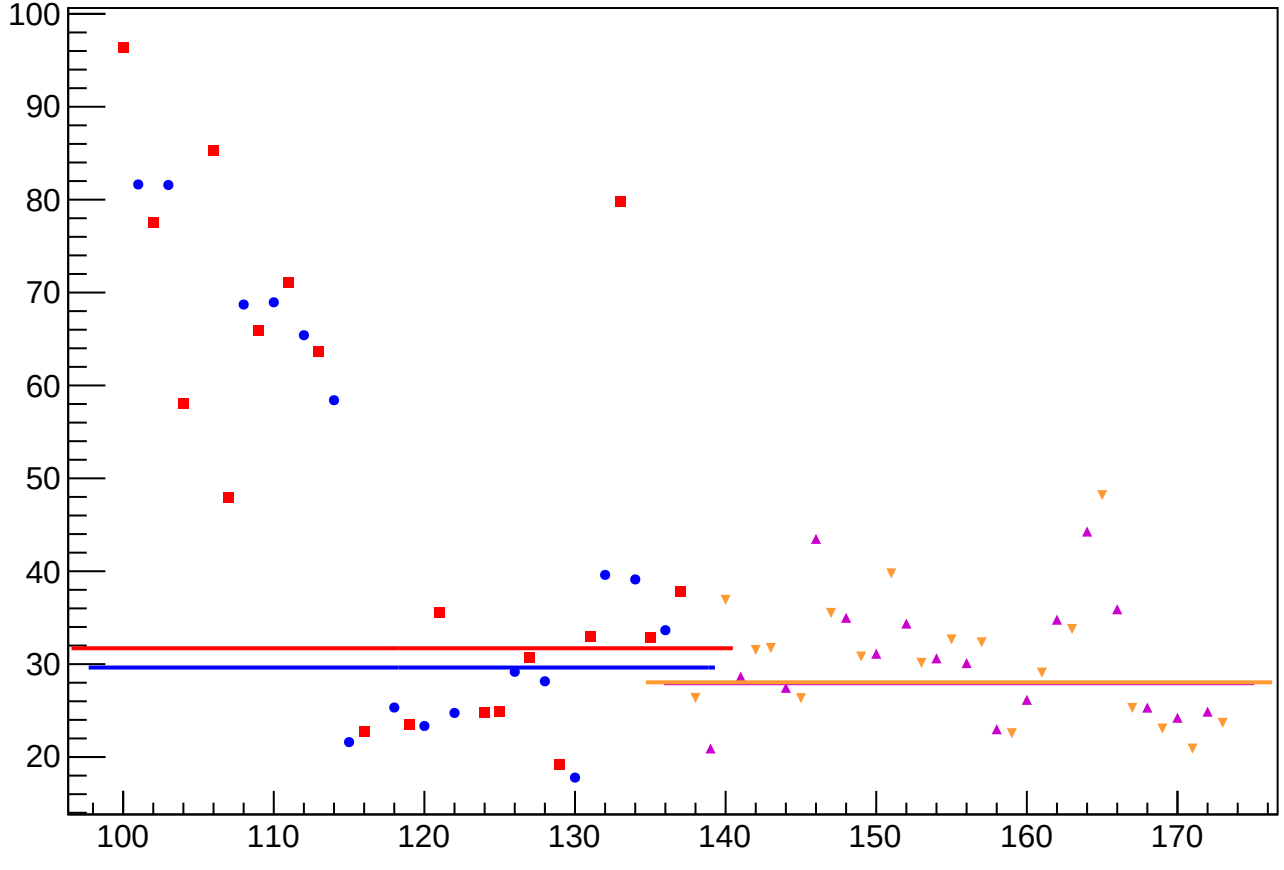
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.007 χ^2/NDF:36.3/32

Out: 0.003+/-0.007 χ^2/NDF:45.7/37

All: 0.005+/-0.005 χ^2/NDF: 82.2/70

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.042+/-0.005 χ^2/NDF:1096965.9/18

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 27.945+/-0.006 χ^2/NDF:969670.5/16

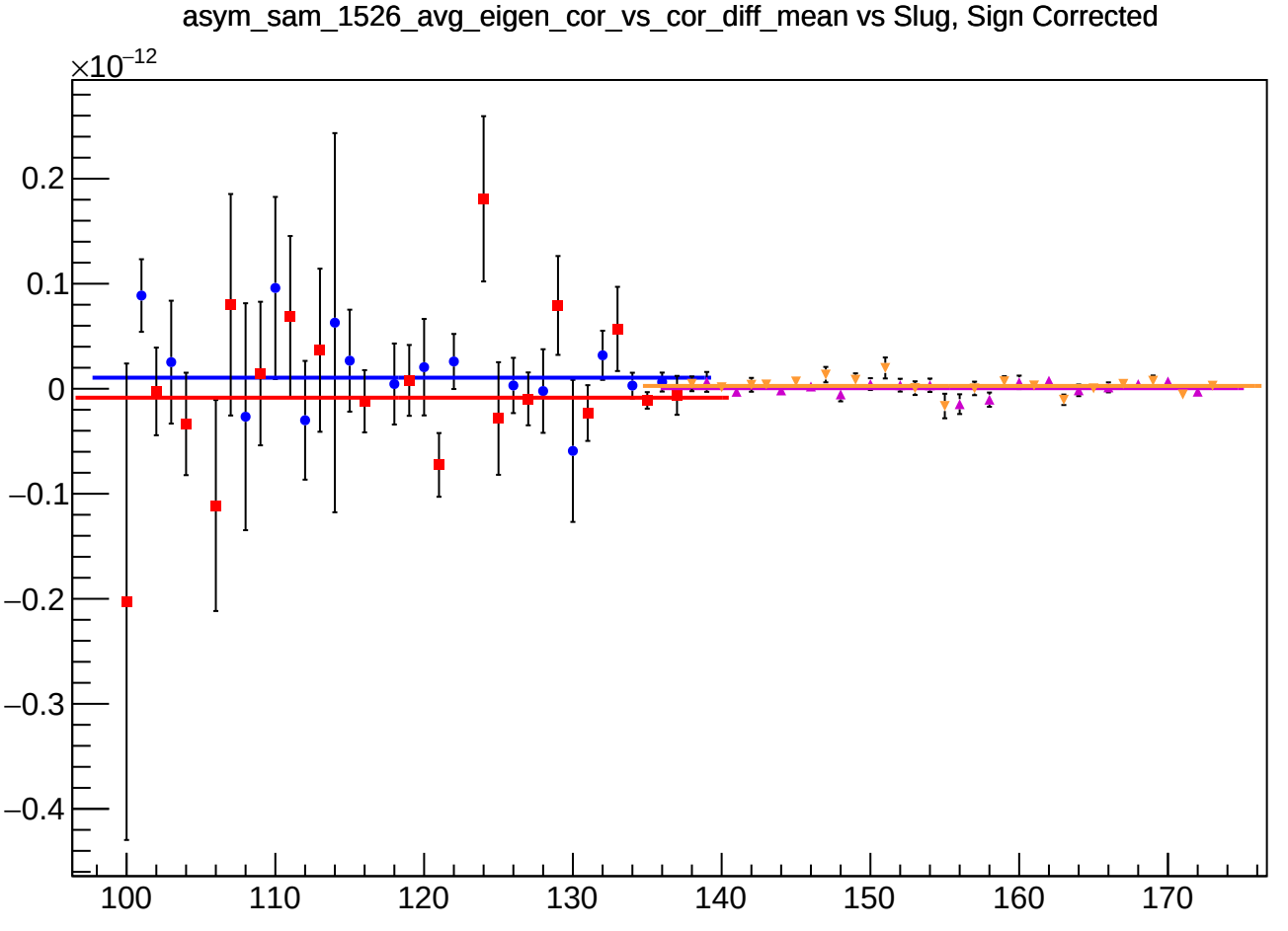
Left: 27.995+/-0.004 χ^2/NDF: 2066797.7/35

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

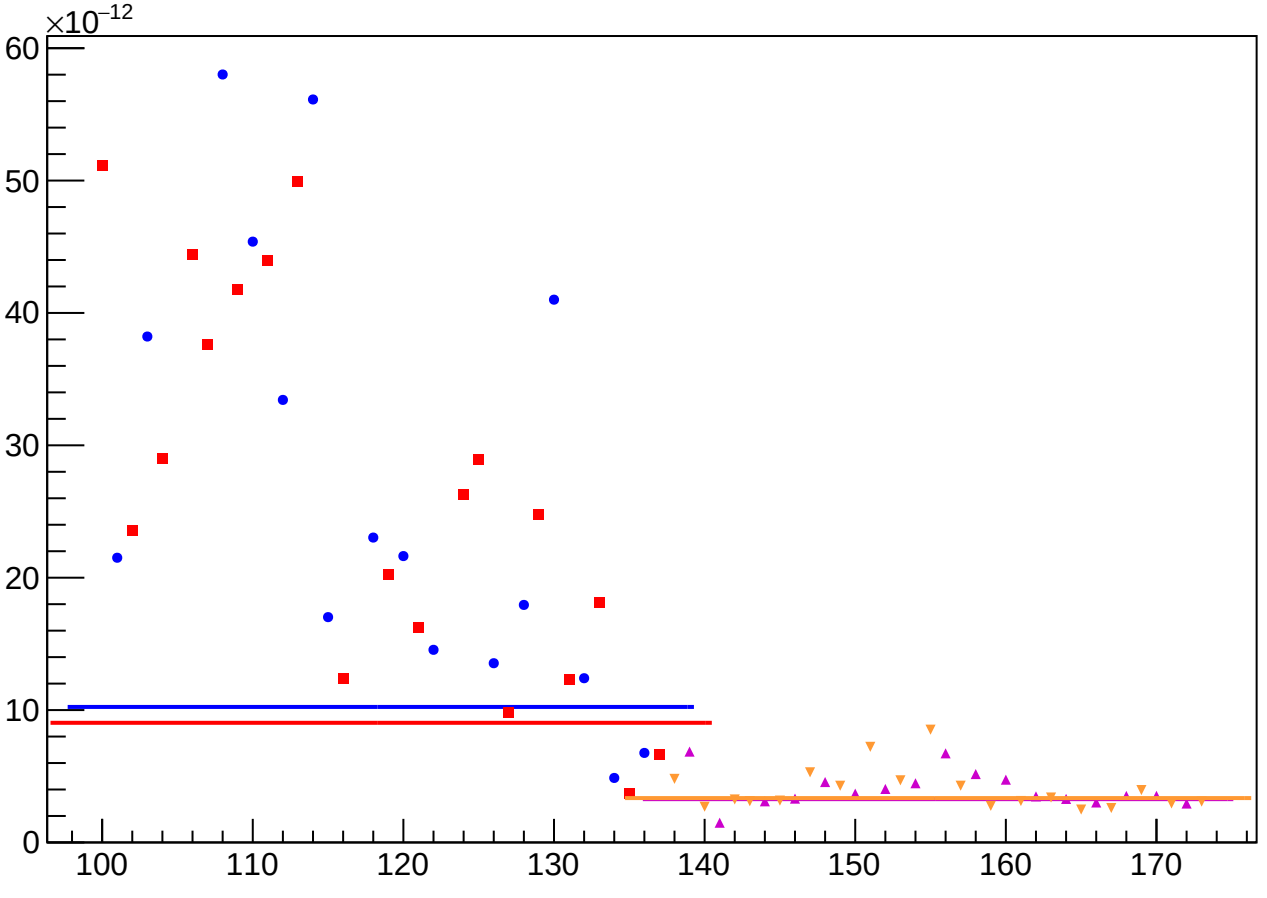
In: 28.413+/-0.005 χ^2/NDF:3444469.5/32

Out: 28.939+/-0.005 χ^2/NDF:3864623.2/37

All: 28.679+/-0.003 χ^2/NDF: 7315472.9/70


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
170
Right In: 0.000+/-0.000 χ²/NDF: 10.1/15
Left Out: 0.000+/-0.000 χ²/NDF:23.4/18
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/18
Left In: 0.000+/-0.000 χ²/NDF:15.8/16
Left: 0.000+/-0.000 χ²/NDF: 40.9/35
Right: 0.000+/-0.000 χ²/NDF: 36.6/34
In: 0.000+/-0.000 χ²/NDF:28.6/32
Out: 0.000+/-0.000 χ²/NDF:48.3/37
All: 0.000+/-0.000 χ²/NDF: 77.5/70

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:1418100.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1919641.1/16

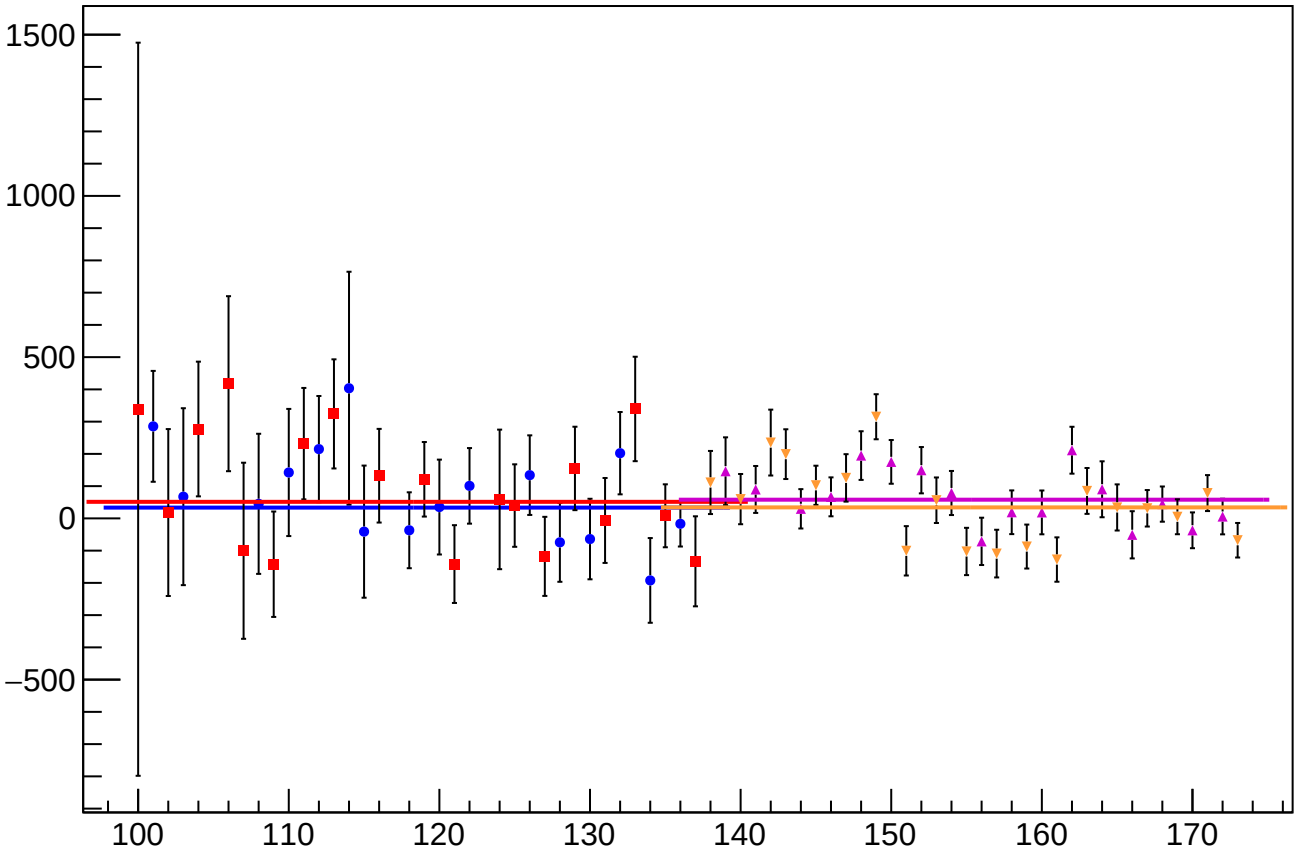
Left: 0.000+/-0.000 χ^2/NDF: 3342395.2/35

Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:8027068.5/32

Out: 0.000+/-0.000 χ^2/NDF:7708046.5/37

All: 0.000+/-0.000 χ^2/NDF: 15735560.8/70



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 34.081+/-15.660 χ^2/NDF:52.4/18

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 57.958+/-16.351 χ^2/NDF:23.6/16

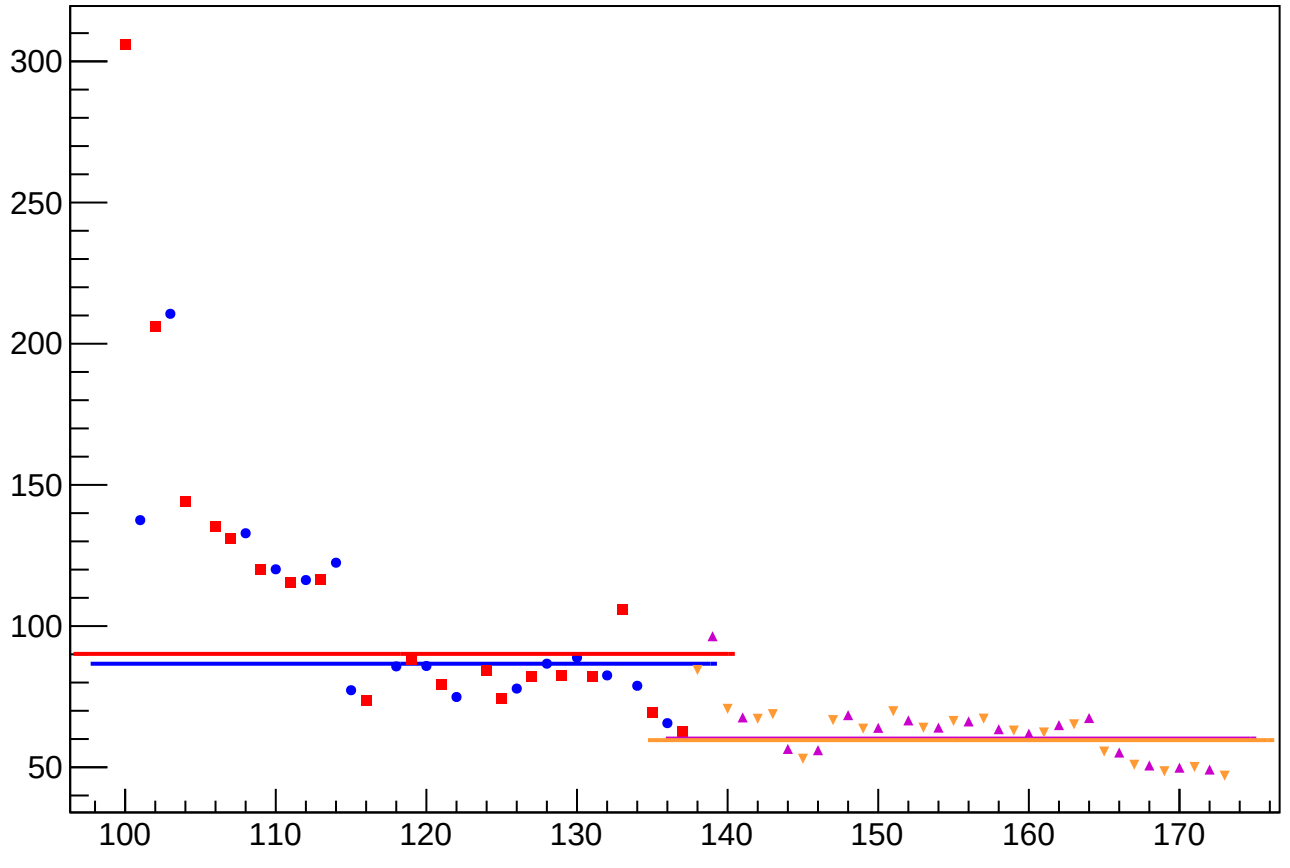
Left: 45.504+/-11.310 χ^2/NDF: 77.1/35

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 53.325+/-14.726 χ^2/NDF:36.8/32

Out: 36.980+/-14.284 χ^2/NDF:72.1/37

All: 44.903+/-10.253 χ^2/NDF: 109.6/70



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 59.606+/-0.011 χ^2/NDF:665354.5/18

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 60.161+/-0.012 χ^2/NDF:589150.8/16

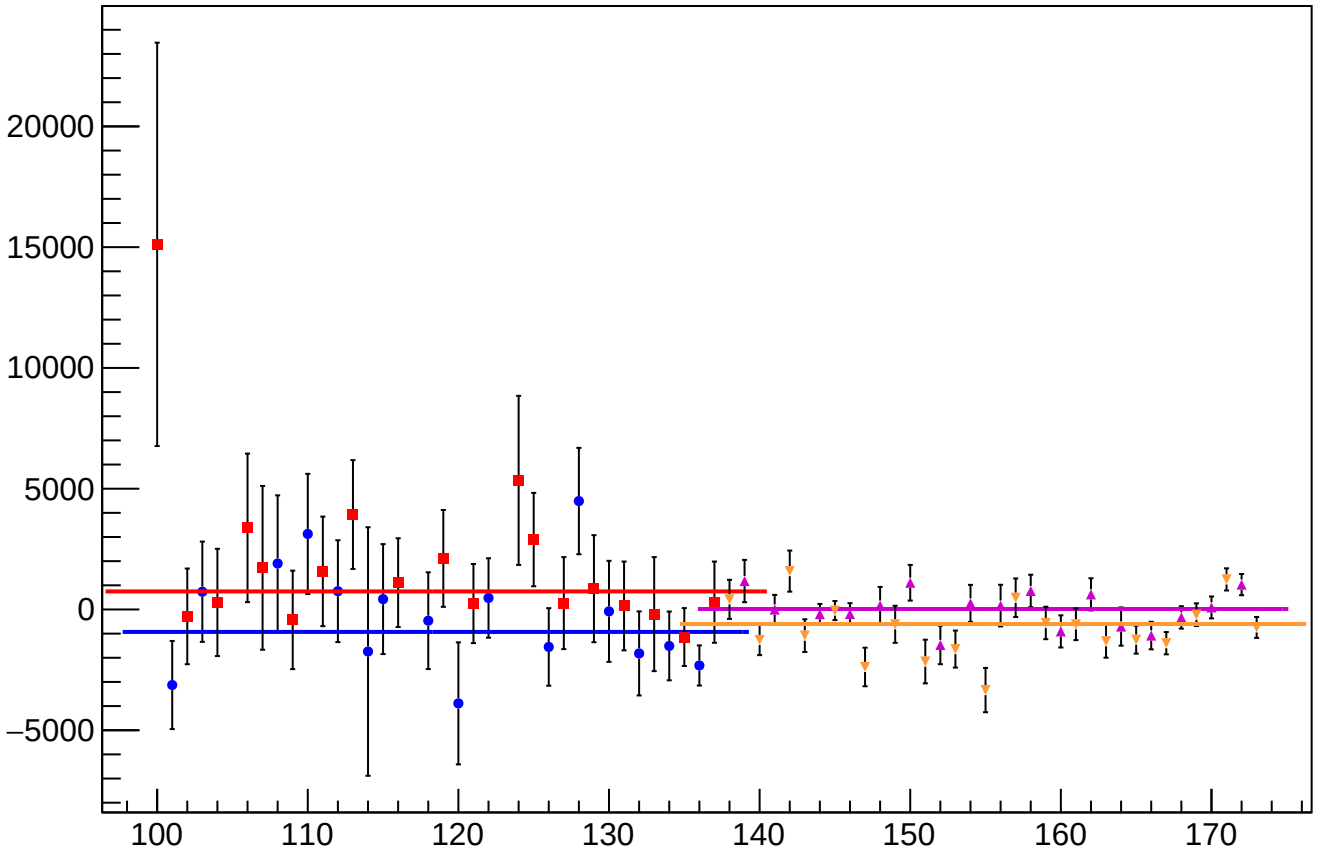
Left: 59.871+/-0.008 χ^2/NDF: 1255705.3/35

Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 65.168+/-0.010 χ^2/NDF:2620768.6/32

Out: 64.738+/-0.010 χ^2/NDF:3093710.6/37

All: 64.946+/-0.007 χ^2/NDF: 5715358.8/70



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -600.367+/-138.697 χ^2/NDF:54.7/18

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: 20.022+/-143.169 χ^2/NDF:22.5/16

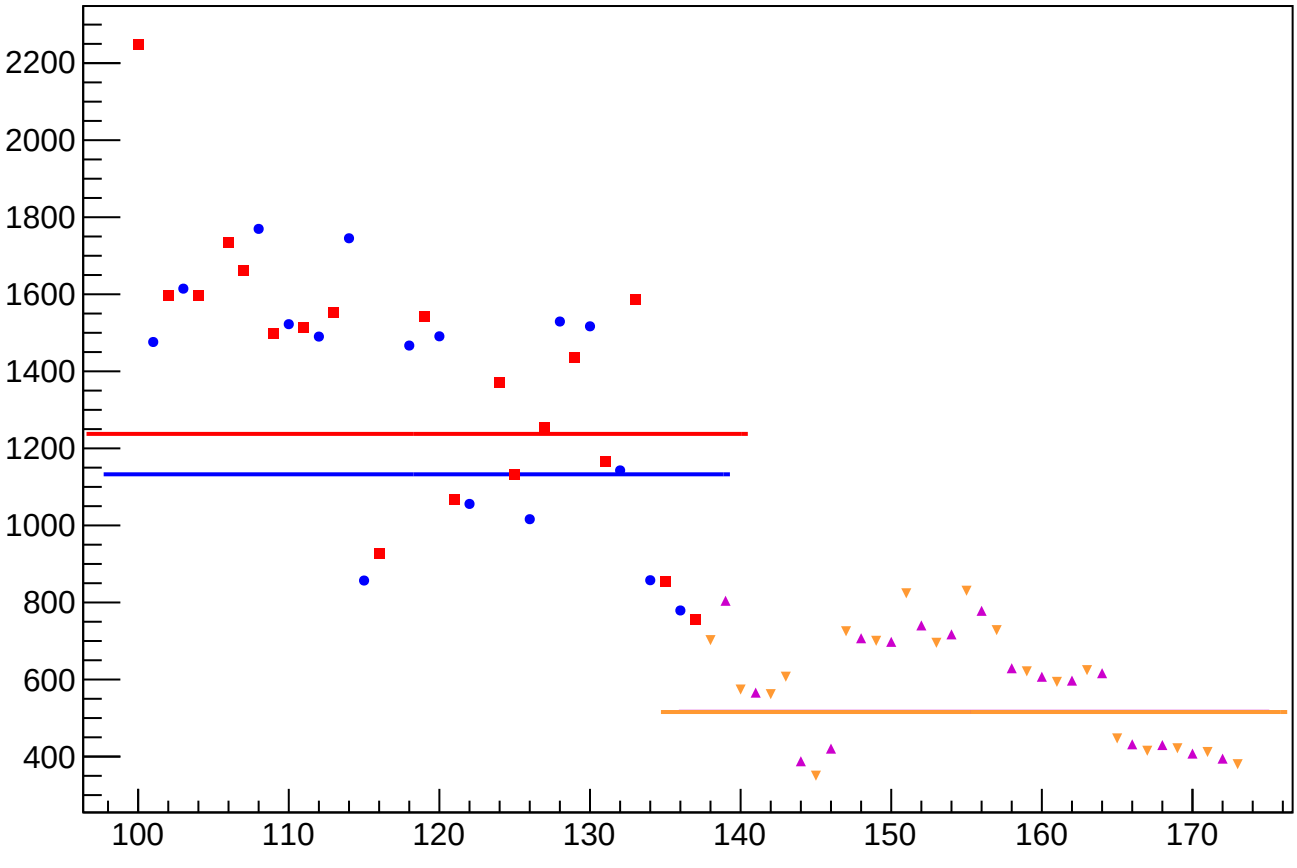
Left: -300.014+/-99.617 χ^2/NDF: 86.8/35

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -70.582+/-136.170 χ^2/NDF:45.2/32

Out: -491.525+/-132.978 χ^2/NDF:75.3/37

All: -286.045+/-95.138 χ^2/NDF: 125.4/70



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 515.668+/-0.098 χ^2/NDF:2120110.0/18

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 516.218+/-0.101 χ^2/NDF:1763997.9/16

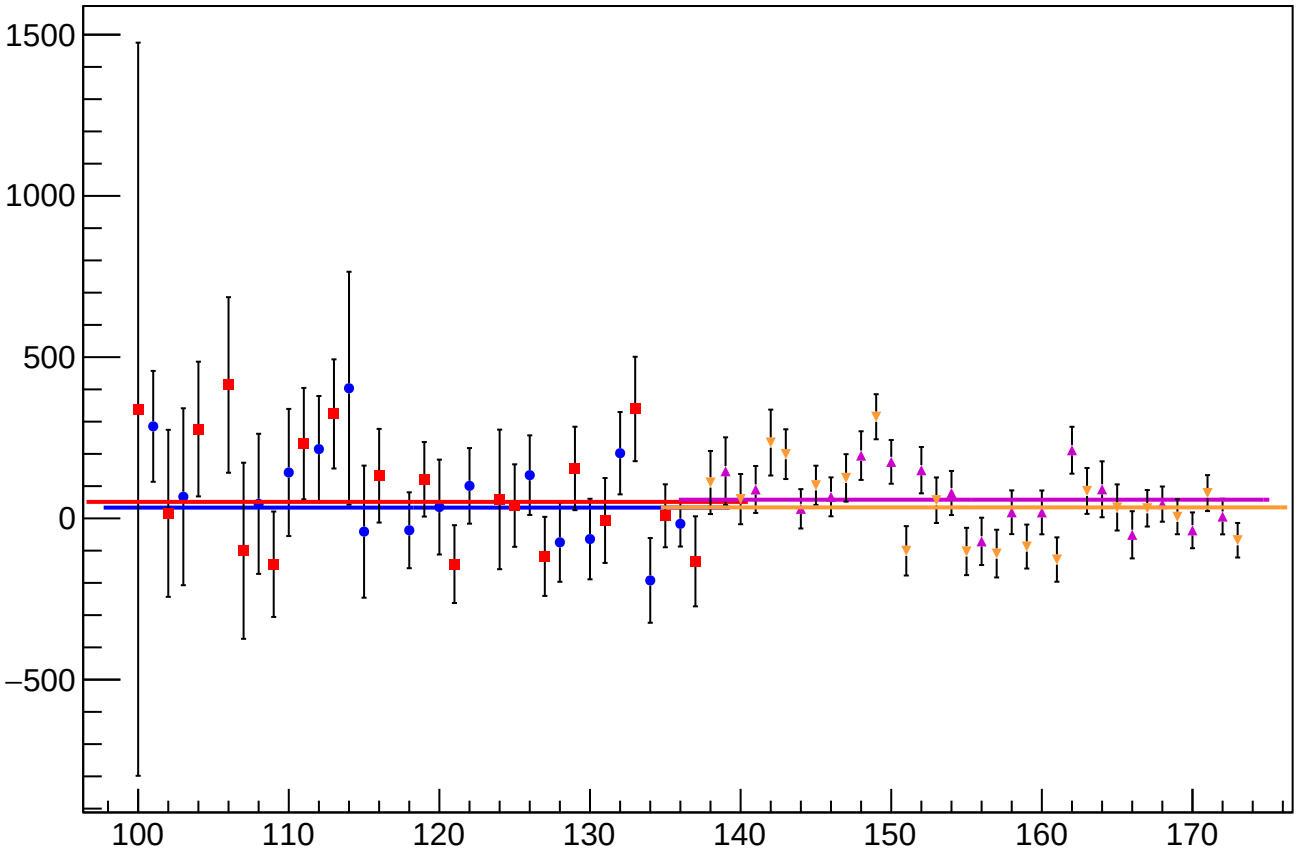
Left: 515.934+/-0.070 χ^2/NDF: 3884123.1/35

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 575.022+/-0.096 χ^2/NDF:6425267.6/32

Out: 573.977+/-0.094 χ^2/NDF:7391918.4/37

All: 574.487+/-0.067 χ^2/NDF: 13817246.3/70



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 34.083+/-15.660 χ^2/NDF:52.4/18

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 57.956+/-16.351 χ^2/NDF:23.6/16

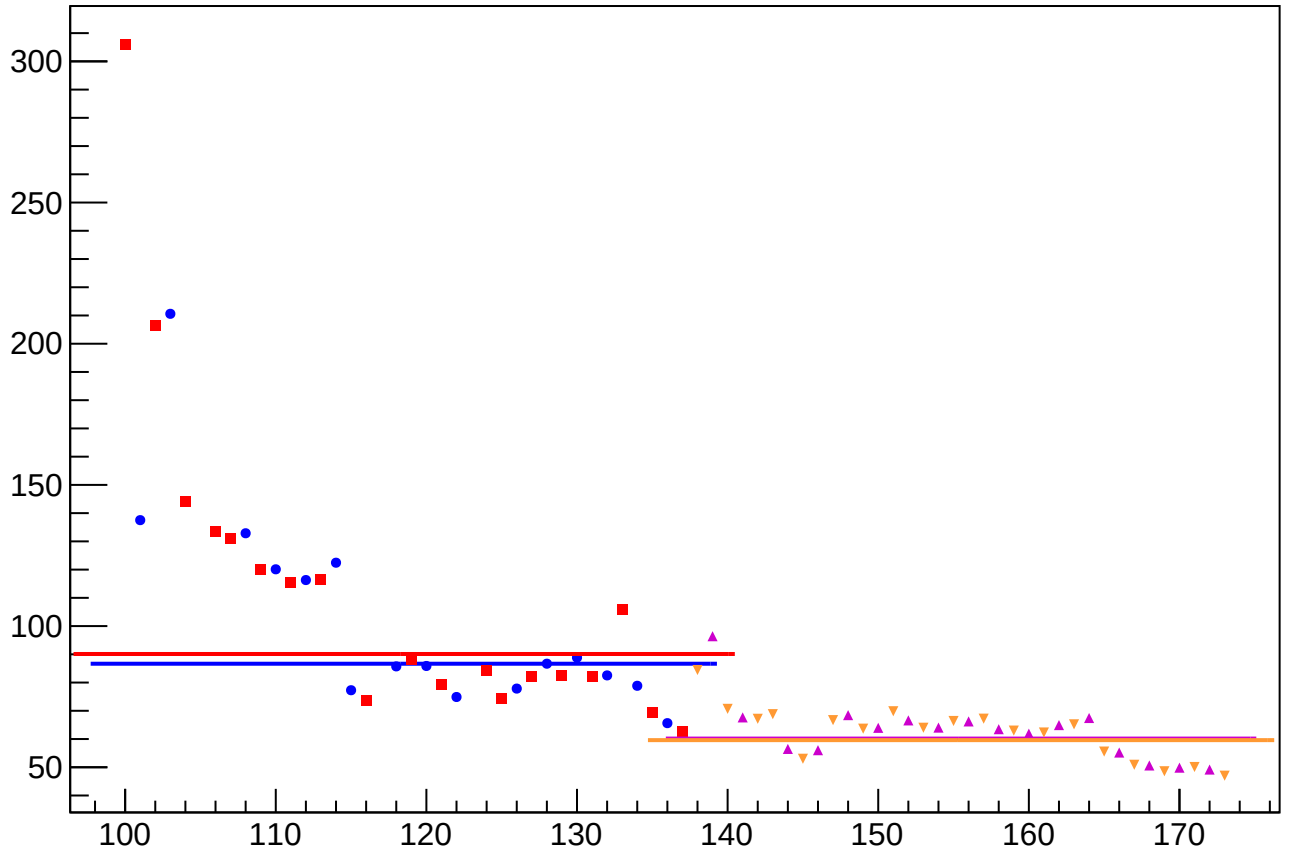
Left: 45.505+/-11.310 χ^2/NDF: 77.1/35

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 53.322+/-14.726 χ^2/NDF:36.8/32

Out: 36.956+/-14.284 χ^2/NDF:72.1/37

All: 44.890+/-10.253 χ^2/NDF: 109.5/70



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 59.606+/-0.011 χ^2/NDF:665354.5/18

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 60.161+/-0.012 χ^2/NDF:589150.8/16

Left: 59.871+/-0.008 χ^2/NDF: 1255705.3/35

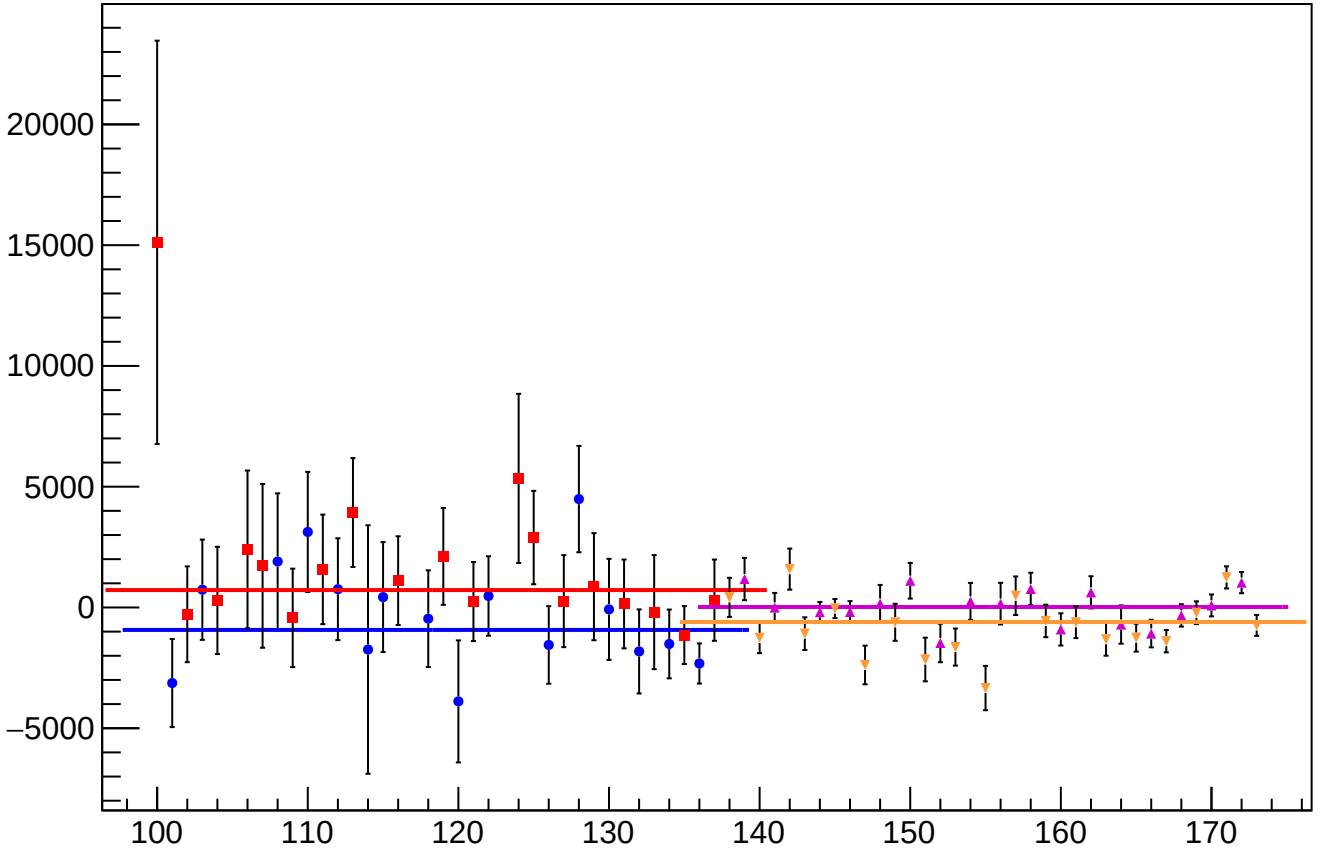
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 65.168+/-0.010 χ^2/NDF:2620770.9/32

Out: 64.731+/-0.010 χ^2/NDF:3085785.1/37

All: 64.943+/-0.007 χ^2/NDF: 5707463.5/70

asym_sam_3726_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -600.363+/-138.697 χ^2/NDF:54.7/18

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 20.020+/-143.169 χ^2/NDF:22.5/16

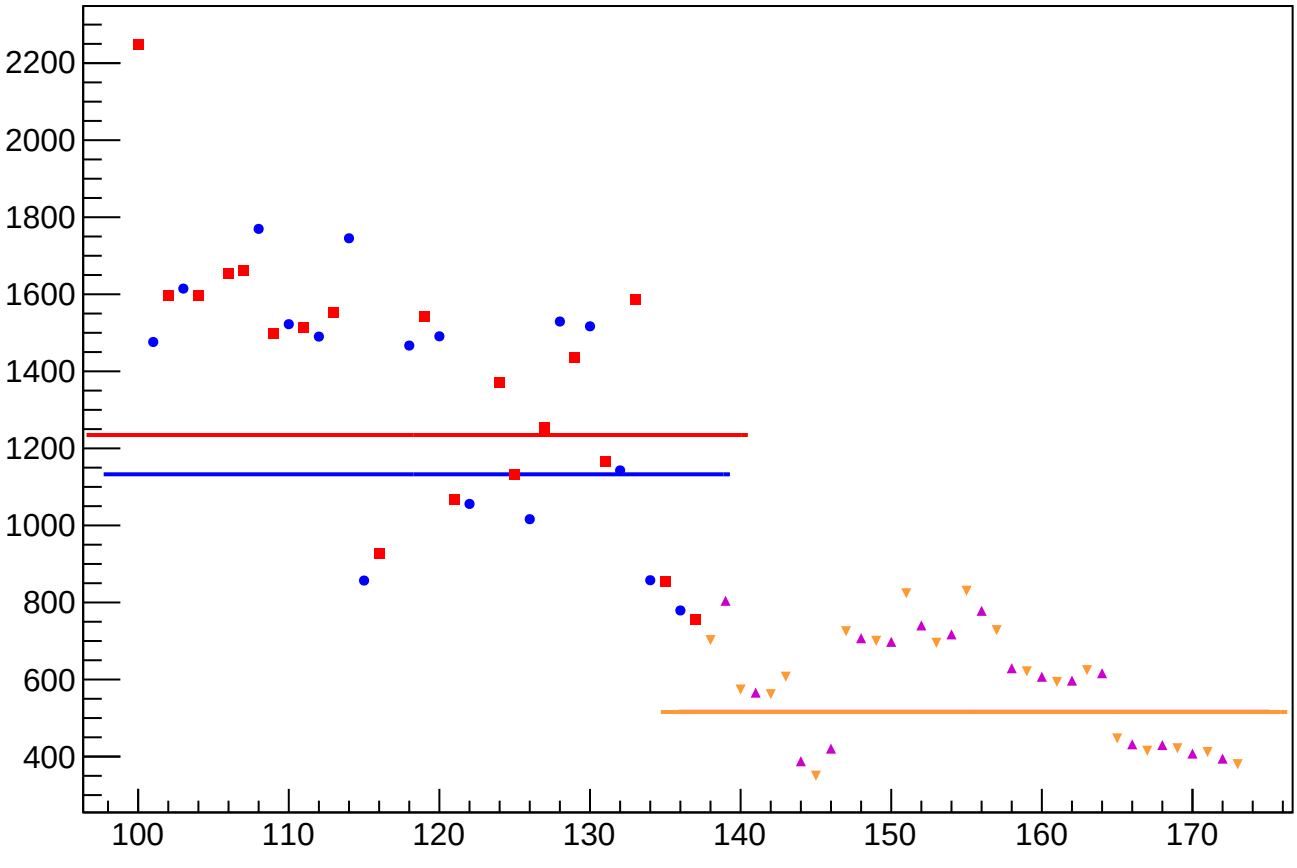
Left: -300.013+/-99.617 χ^2/NDF: 86.8/35

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -70.580+/-136.170 χ^2/NDF:45.2/32

Out: -493.936+/-132.992 χ^2/NDF:74.5/37

All: -287.256+/-95.143 χ^2/NDF: 124.6/70



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 515.667+/-0.098 χ^2/NDF:2120113.3/18

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 516.218+/-0.101 χ^2/NDF:1763997.6/16

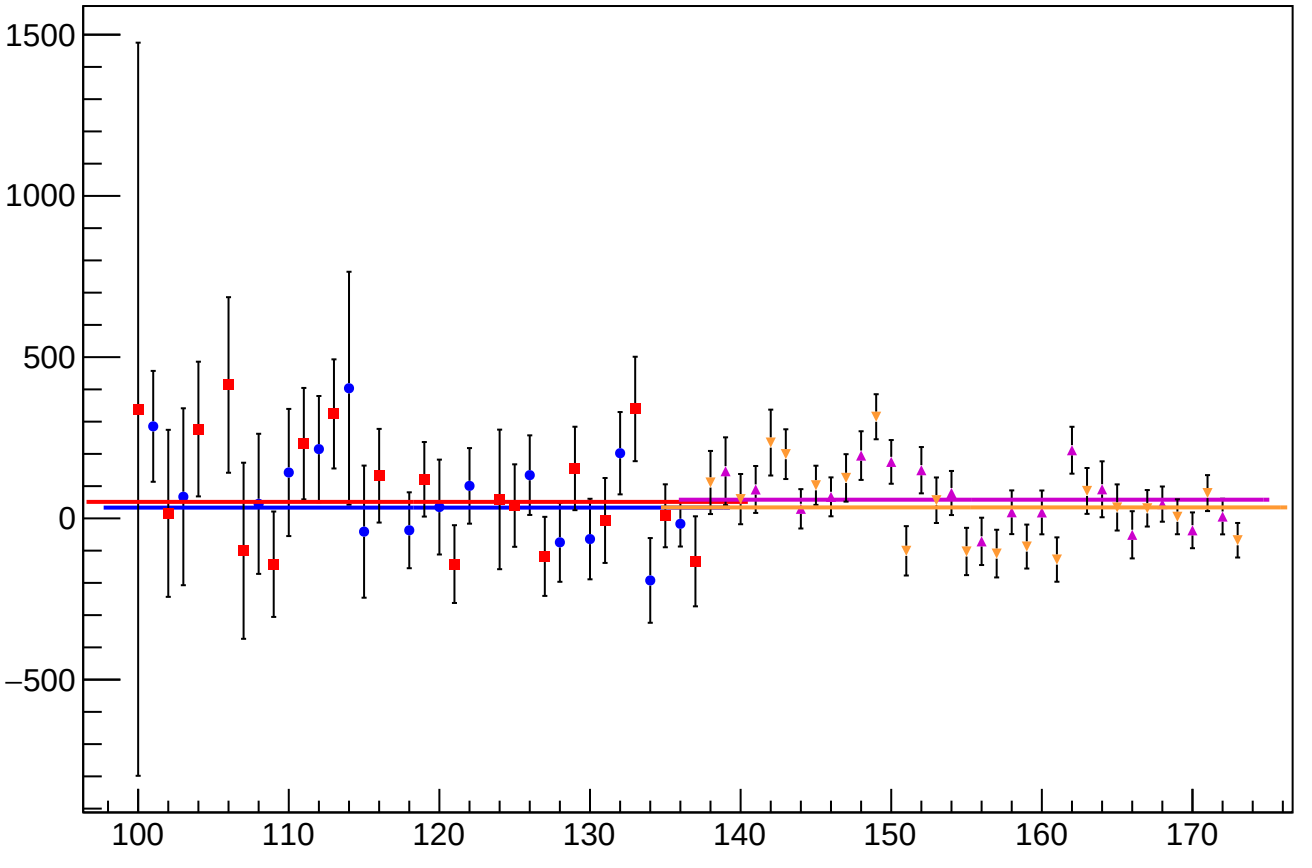
Left: 515.934+/-0.070 χ^2/NDF: 3884126.1/35

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 575.022+/-0.096 χ^2/NDF:6425299.6/32

Out: 573.599+/-0.094 χ^2/NDF:7327150.0/37

All: 574.293+/-0.067 χ^2/NDF: 13752561.4/70



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 34.083+/-15.660 χ^2/NDF:52.4/18

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 57.956+/-16.351 χ^2/NDF:23.6/16

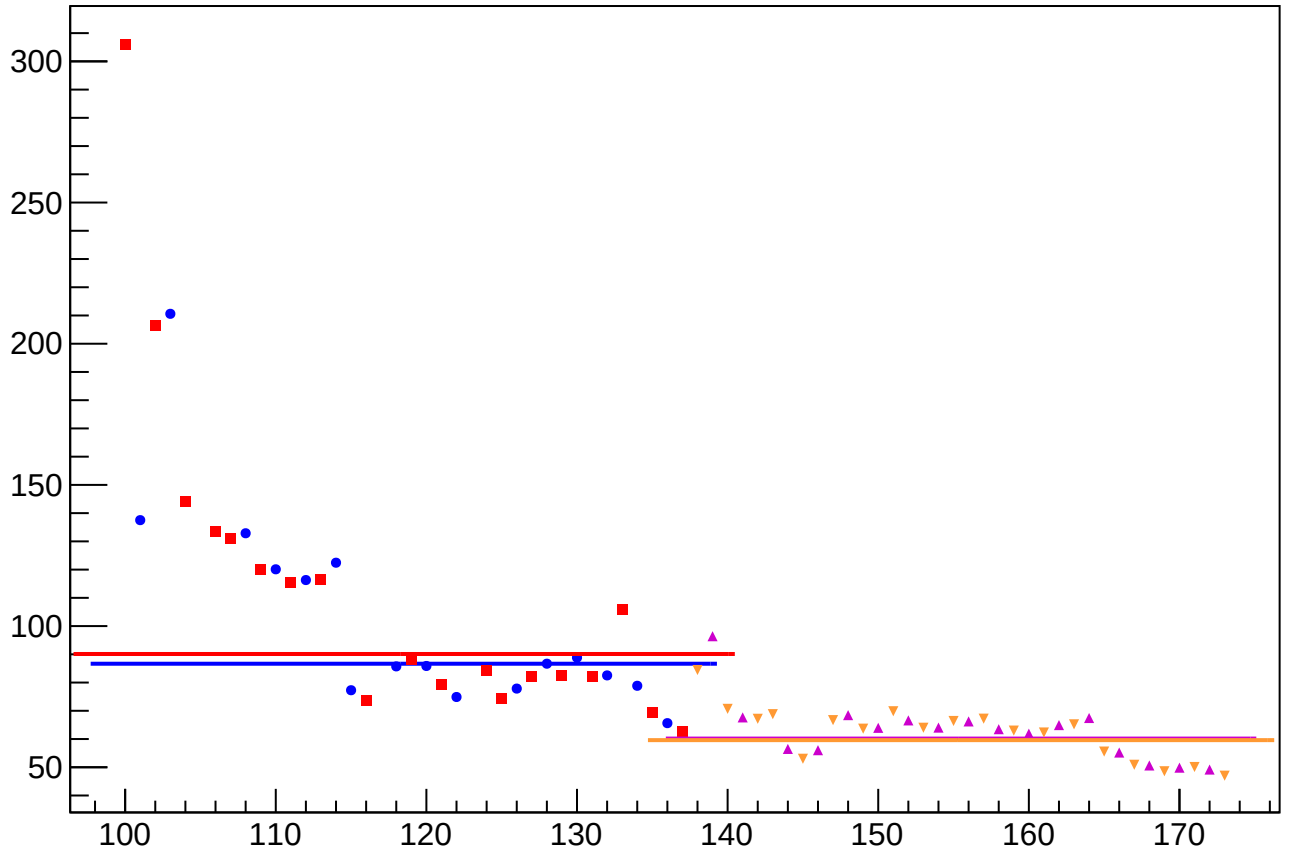
Left: 45.505+/-11.310 χ^2/NDF: 77.1/35

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 53.322+/-14.726 χ^2/NDF:36.8/32

Out: 36.956+/-14.284 χ^2/NDF:72.1/37

All: 44.890+/-10.253 χ^2/NDF: 109.5/70



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 59.606+/-0.011 χ^2/NDF:665354.5/18

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 60.161+/-0.012 χ^2/NDF:589150.8/16

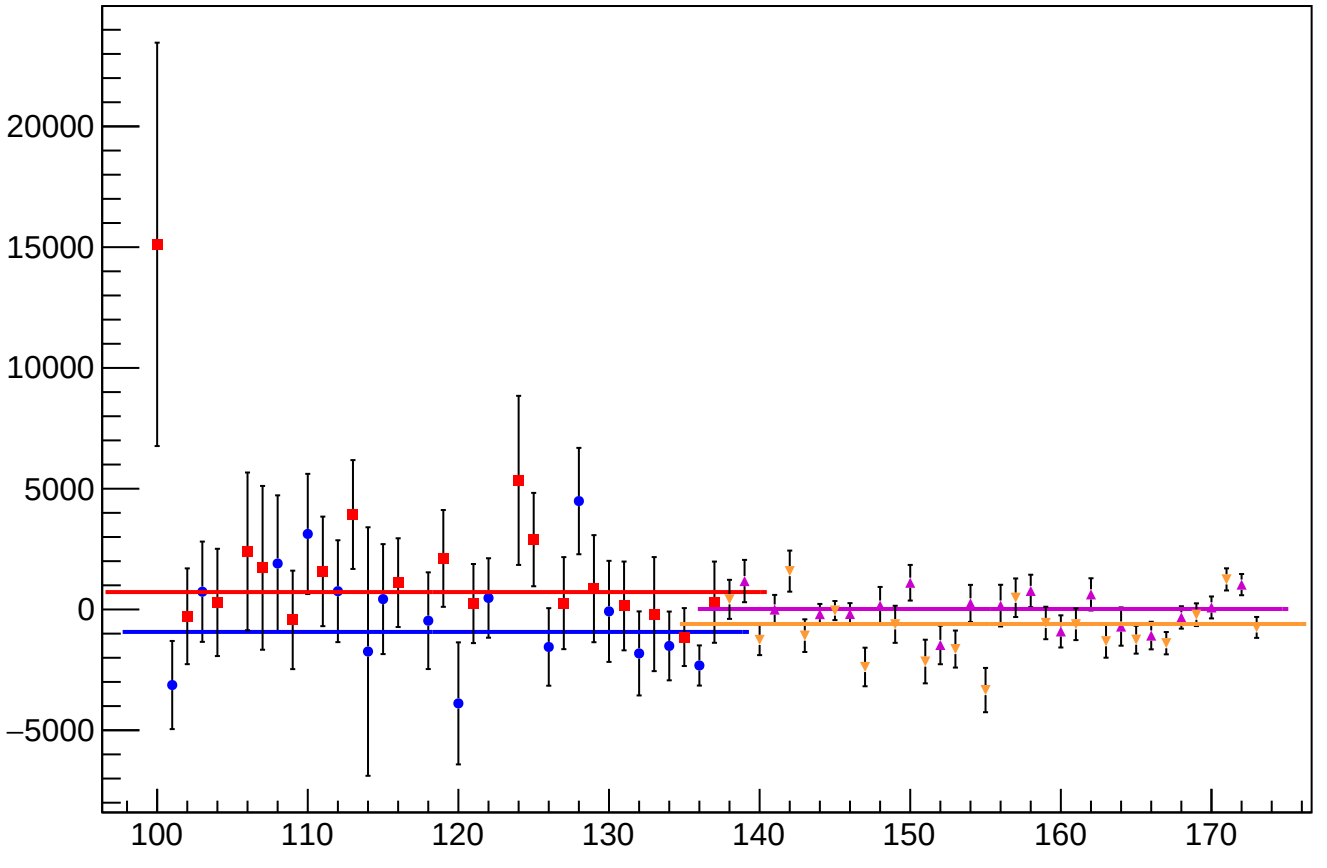
Left: 59.871+/-0.008 χ^2/NDF: 1255705.3/35

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 65.168+/-0.010 χ^2/NDF:2620770.9/32

Out: 64.731+/-0.010 χ^2/NDF:3085785.1/37

All: 64.943+/-0.007 χ^2/NDF: 5707463.5/70



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -600.363+/-138.697 χ^2/NDF:54.7/18

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 20.020+/-143.169 χ^2/NDF:22.5/16

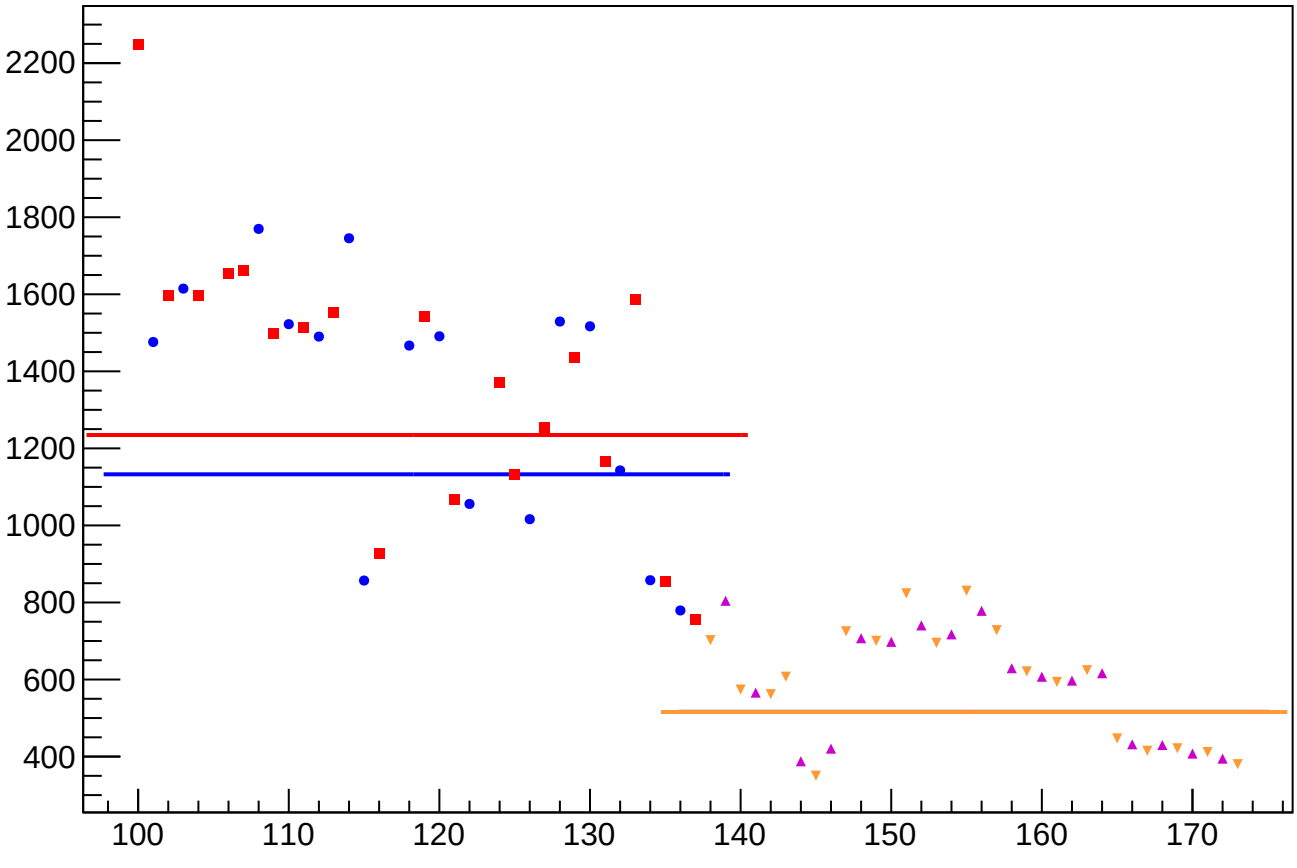
Left: -300.013+/-99.617 χ^2/NDF: 86.8/35

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -70.580+/-136.170 χ^2/NDF:45.2/32

Out: -493.936+/-132.992 χ^2/NDF:74.5/37

All: -287.256+/-95.143 χ^2/NDF: 124.6/70



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 515.667+/-0.098 χ^2/NDF:2120113.3/18

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 516.218+/-0.101 χ^2/NDF:1763997.6/16

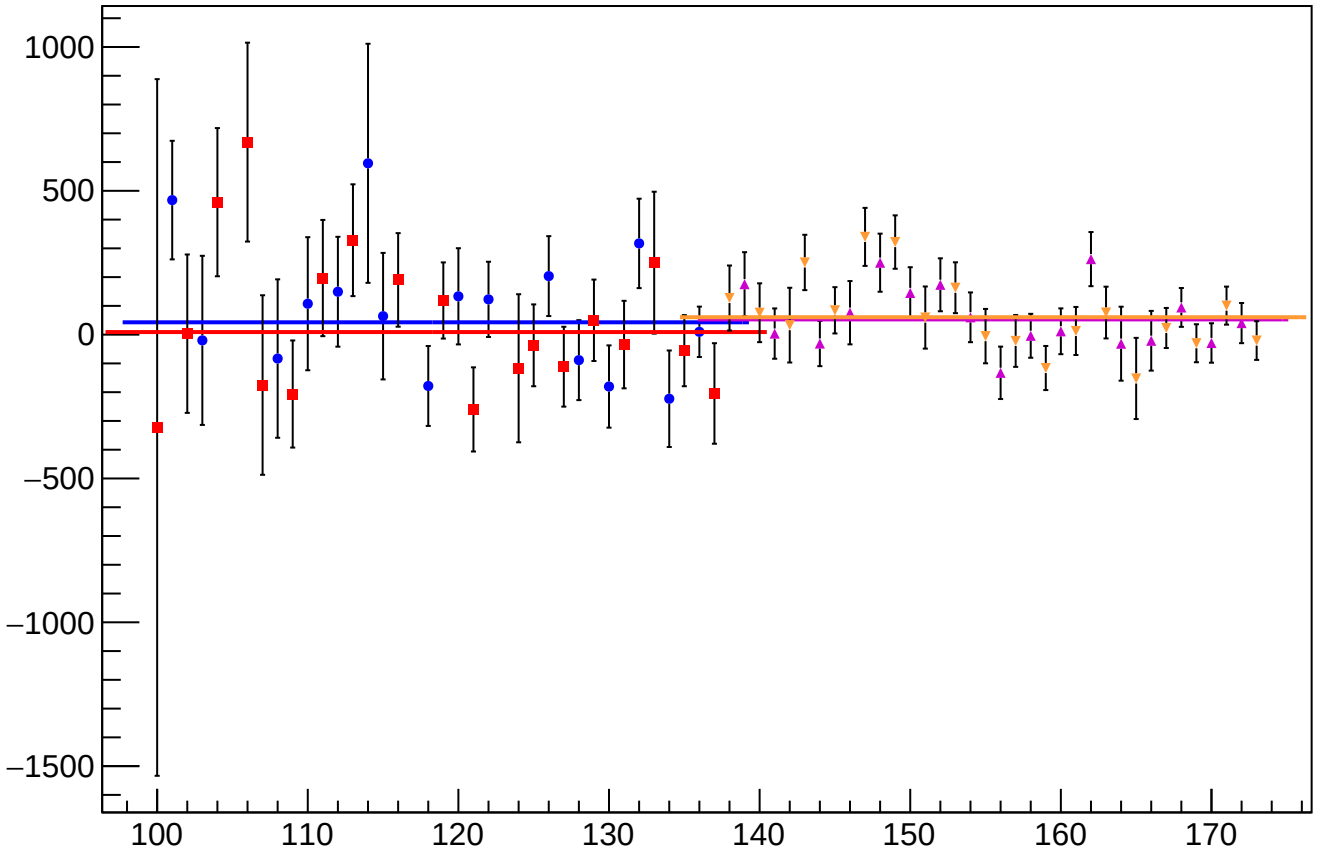
Left: 515.934+/-0.070 χ^2/NDF: 3884126.1/35

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 575.022+/-0.096 χ^2/NDF:6425299.6/32

Out: 573.599+/-0.094 χ^2/NDF:7327150.0/37

All: 574.293+/-0.067 χ^2/NDF: 13752561.4/70



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 60.544+/-19.876 χ^2/NDF:34.6/18

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 52.973+/-20.923 χ^2/NDF:22.0/16

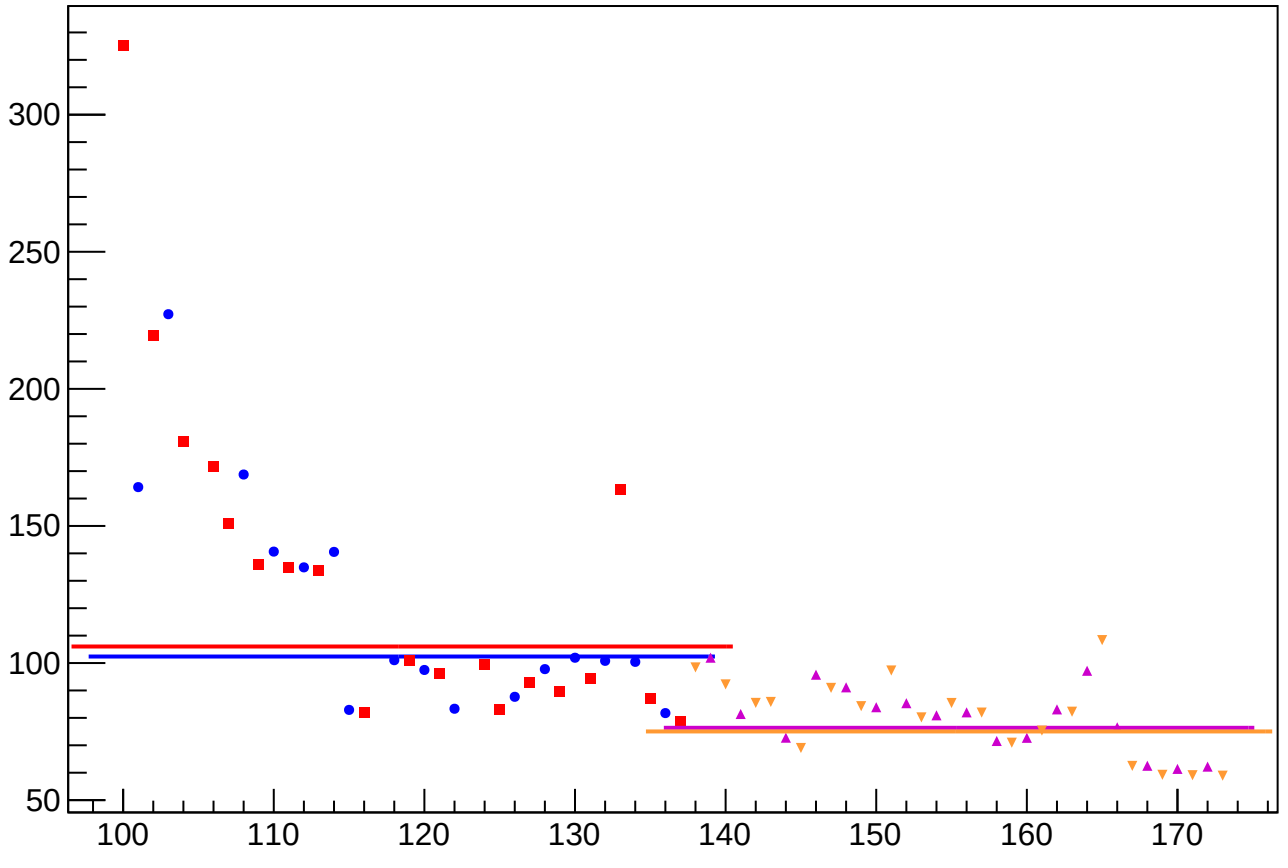
Left: 56.952+/-14.410 χ^2/NDF: 56.7/35

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 50.807+/-18.534 χ^2/NDF:42.4/32

Out: 50.756+/-17.890 χ^2/NDF:57.2/37

All: 50.781+/-12.872 χ^2/NDF: 99.6/70



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 75.051+/-0.014 χ^2/NDF:929023.5/18

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 76.376+/-0.015 χ^2/NDF:604257.4/16

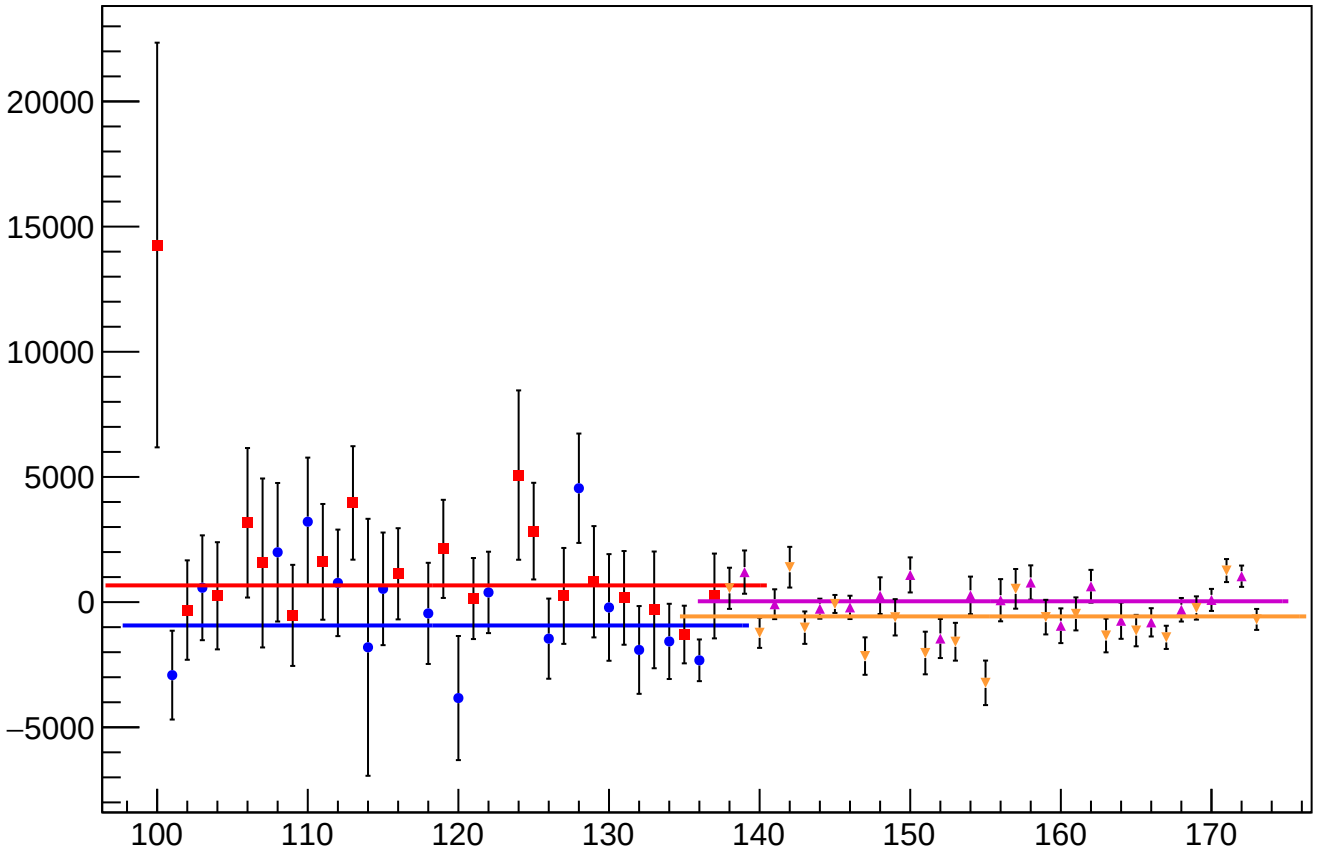
Left: 75.680+/-0.010 χ^2/NDF: 1537497.3/35

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 81.974+/-0.013 χ^2/NDF:2251513.2/32

Out: 80.933+/-0.013 χ^2/NDF:3042811.9/37

All: 81.435+/-0.009 χ^2/NDF: 5297589.9/70



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -570.521+/-135.548 χ^2/NDF:53.2/18

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: 33.819+/-140.631 χ^2/NDF:22.2/16

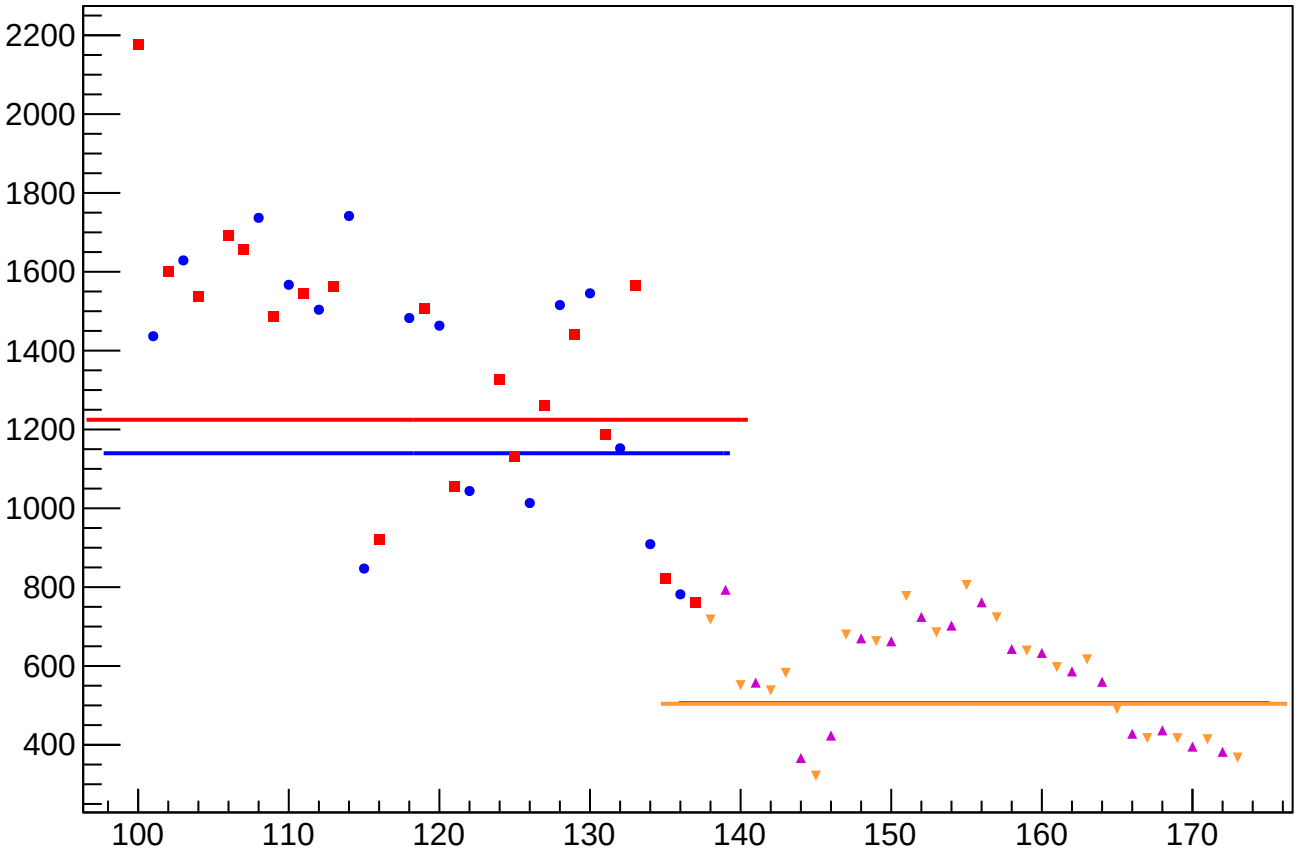
Left: -279.471+/-97.595 χ^2/NDF: 85.0/35

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -54.737+/-134.032 χ^2/NDF:45.0/32

Out: -472.791+/-130.092 χ^2/NDF:73.2/37

All: -269.998+/-93.351 χ^2/NDF: 123.3/70



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 504.216+/-0.096 χ^2/NDF:2209815.4/18

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 506.134+/-0.099 χ^2/NDF:1786218.0/16

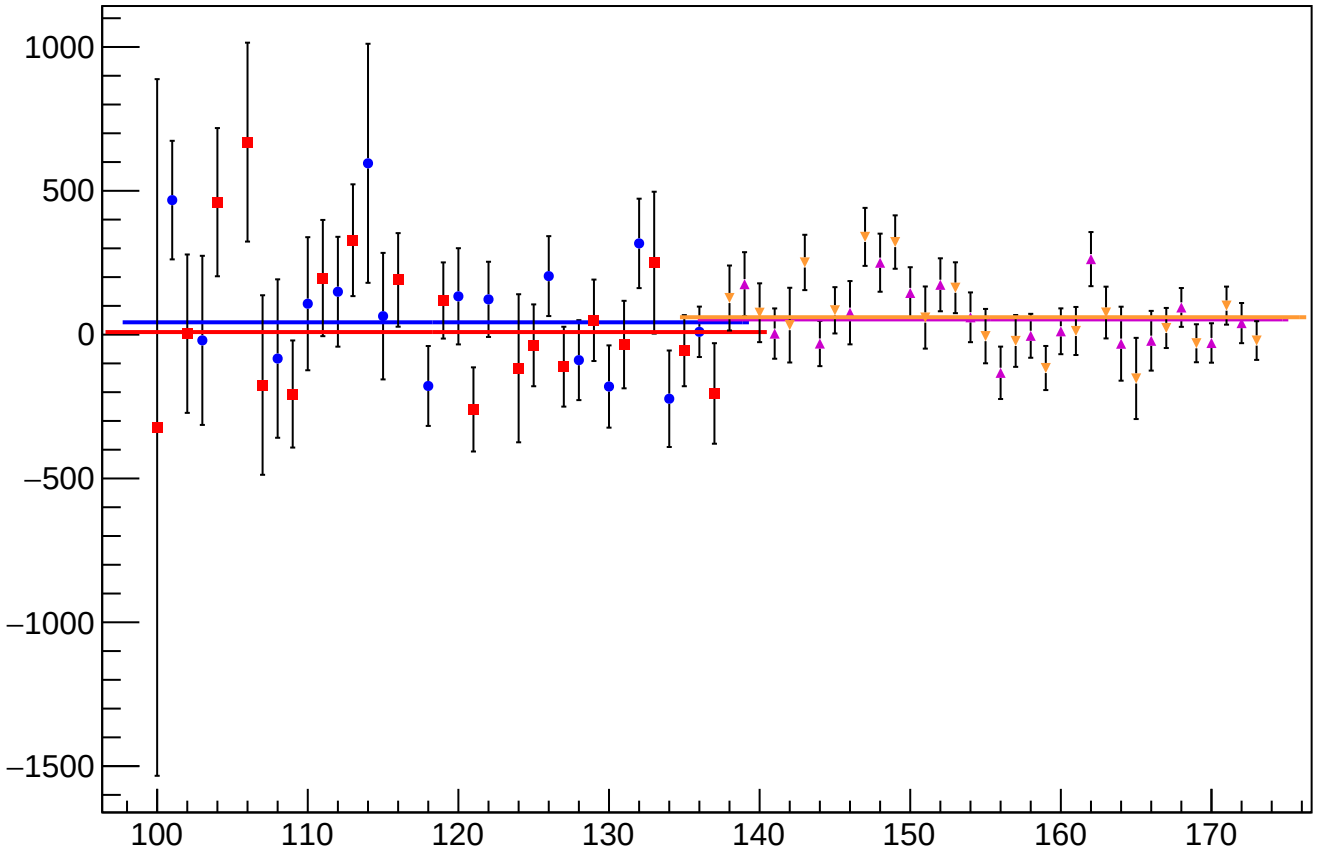
Left: 505.140+/-0.069 χ^2/NDF: 3996226.3/35

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 564.199+/-0.095 χ^2/NDF:6599599.6/32

Out: 561.040+/-0.092 χ^2/NDF:7588354.3/37

All: 562.572+/-0.066 χ^2/NDF: 14188526.0/70



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 60.543+/-19.876 χ^2/NDF:34.6/18

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 52.971+/-20.923 χ^2/NDF:22.0/16

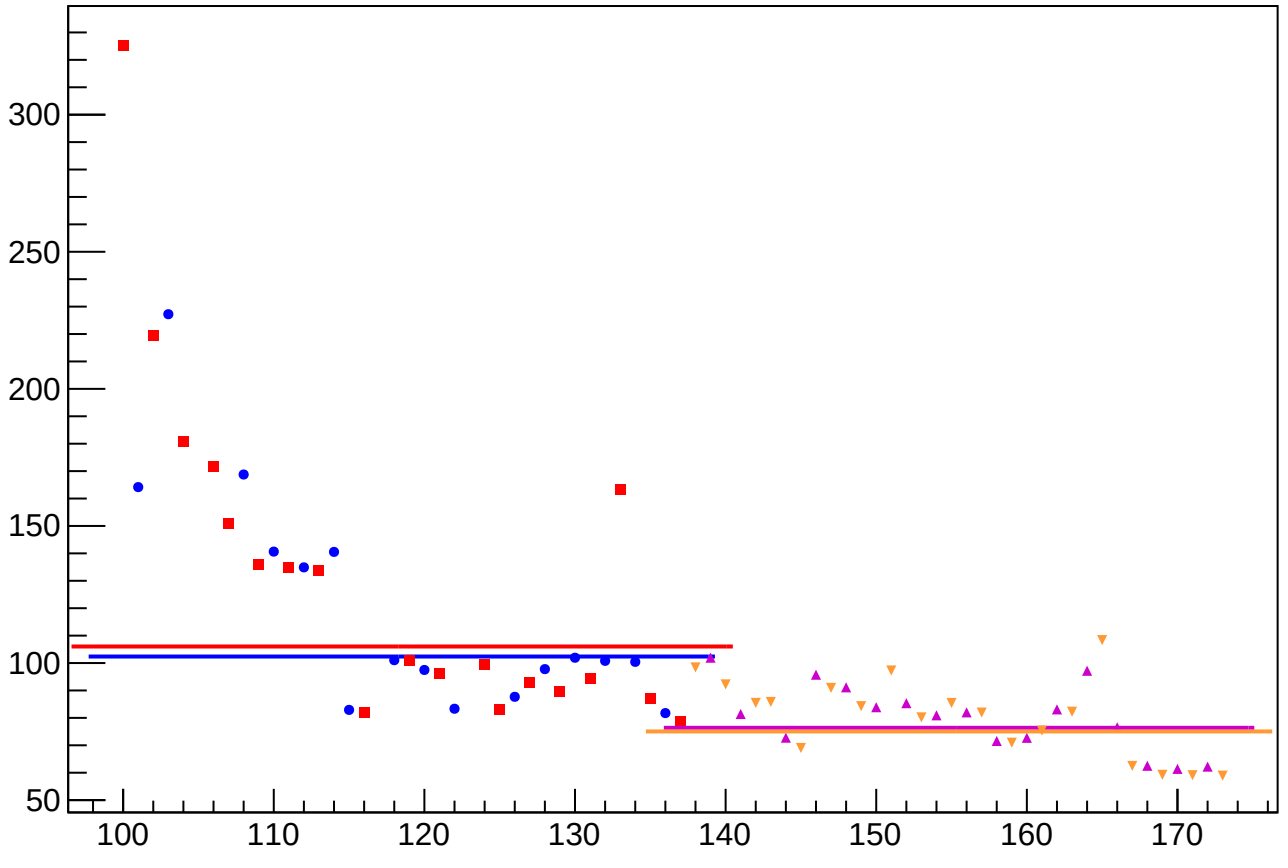
Left: 56.951+/-14.410 χ^2/NDF: 56.7/35

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 50.806+/-18.534 χ^2/NDF:42.4/32

Out: 50.755+/-17.890 χ^2/NDF:57.2/37

All: 50.780+/-12.872 χ^2/NDF: 99.6/70



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 75.051+/-0.014 χ^2/NDF:929022.6/18

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 76.377+/-0.015 χ^2/NDF:604253.9/16

Left: 75.680+/-0.010 χ^2/NDF: 1537493.4/35

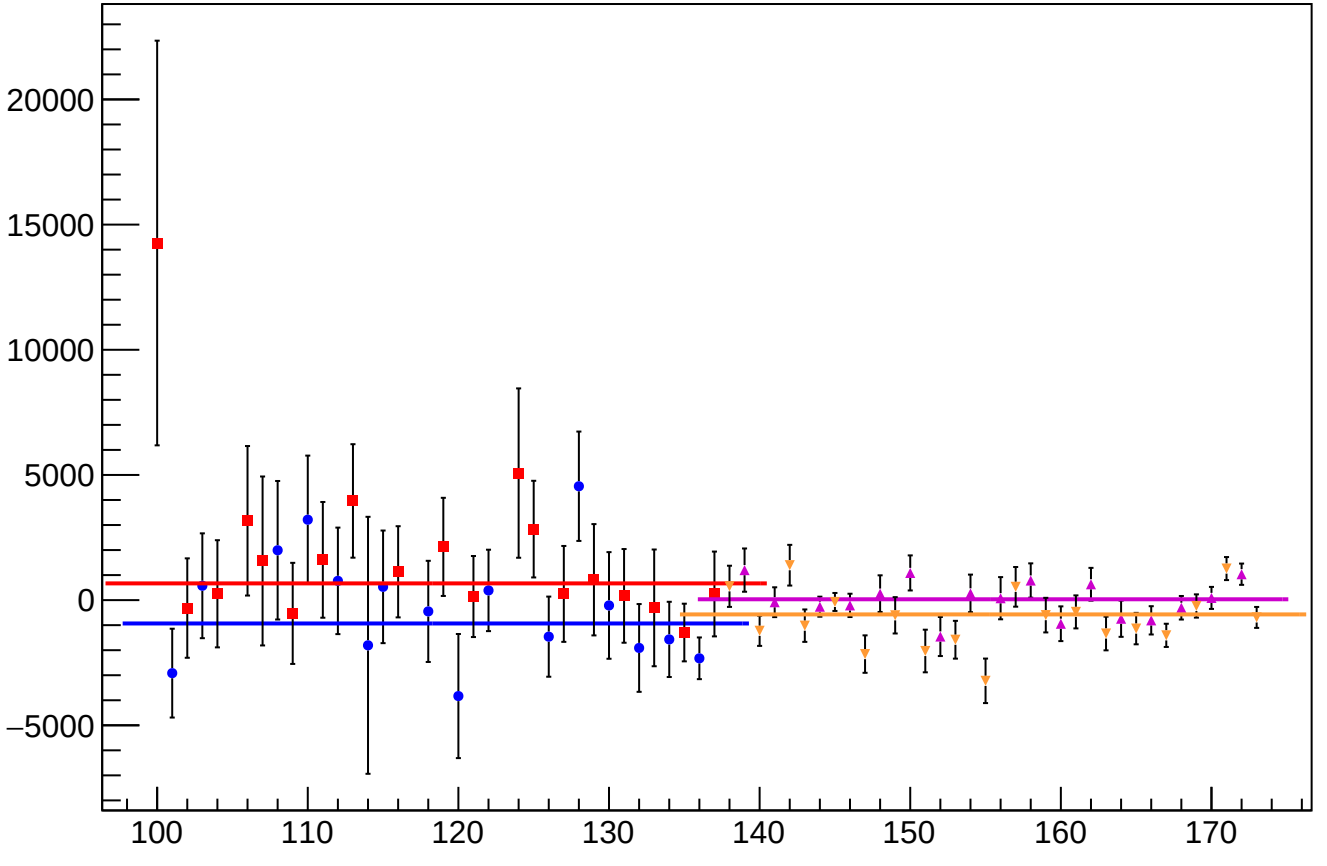
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 81.974+/-0.013 χ^2/NDF:2251478.6/32

Out: 80.933+/-0.013 χ^2/NDF:3042794.7/37

All: 81.435+/-0.009 χ^2/NDF: 5297538.4/70

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -570.520+/-135.548 χ^2/NDF:53.2/18

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: 33.818+/-140.631 χ^2/NDF:22.2/16

Left: -279.471+/-97.594 χ^2/NDF: 85.0/35

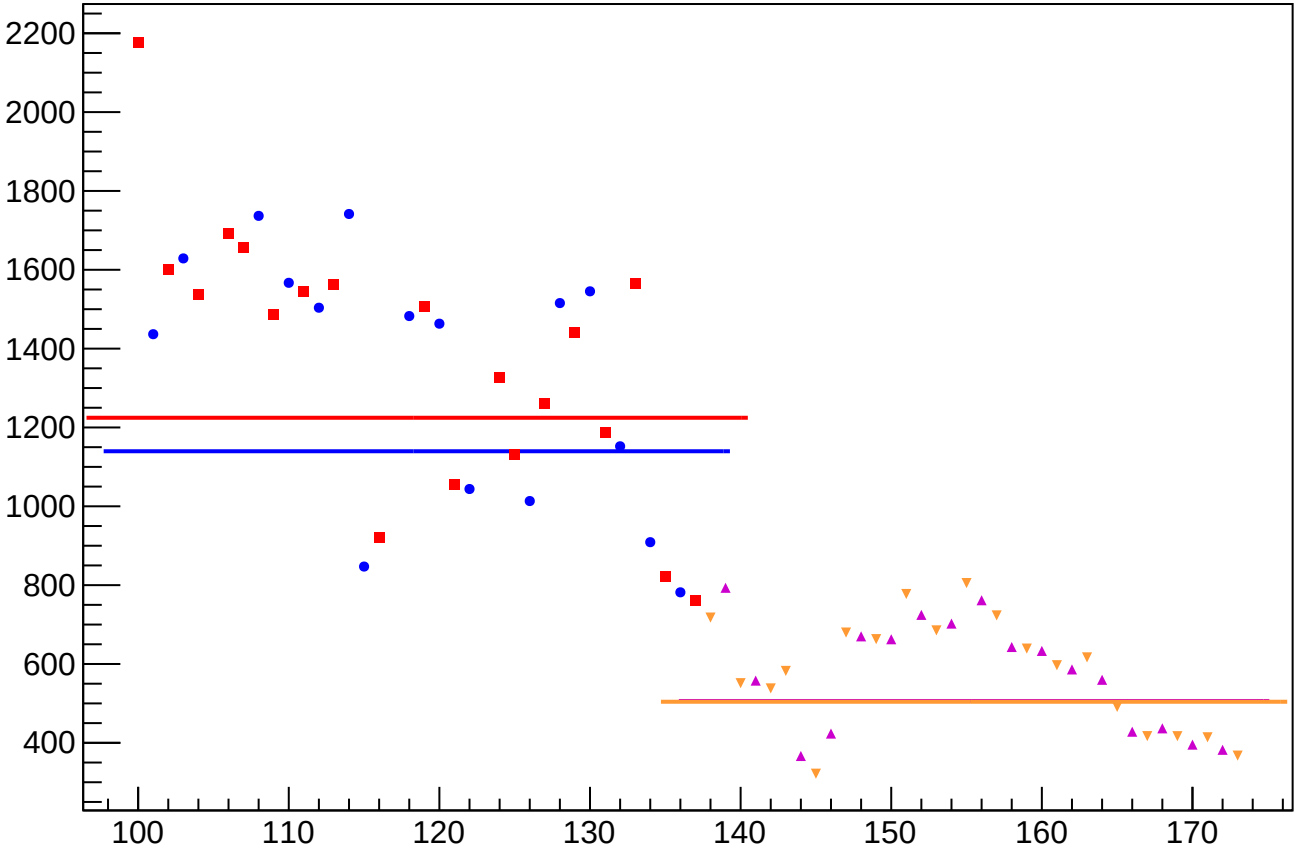
Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -54.737+/-134.032 χ^2/NDF:45.0/32

Out: -472.790+/-130.092 χ^2/NDF:73.2/37

All: -269.998+/-93.351 χ^2/NDF: 123.3/70

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: 504.215+/-0.096 χ^2/NDF:2209823.7/18

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 506.134+/-0.099 χ^2/NDF:1786220.0/16

Left: 505.139+/-0.069 χ^2/NDF: 3996236.7/35

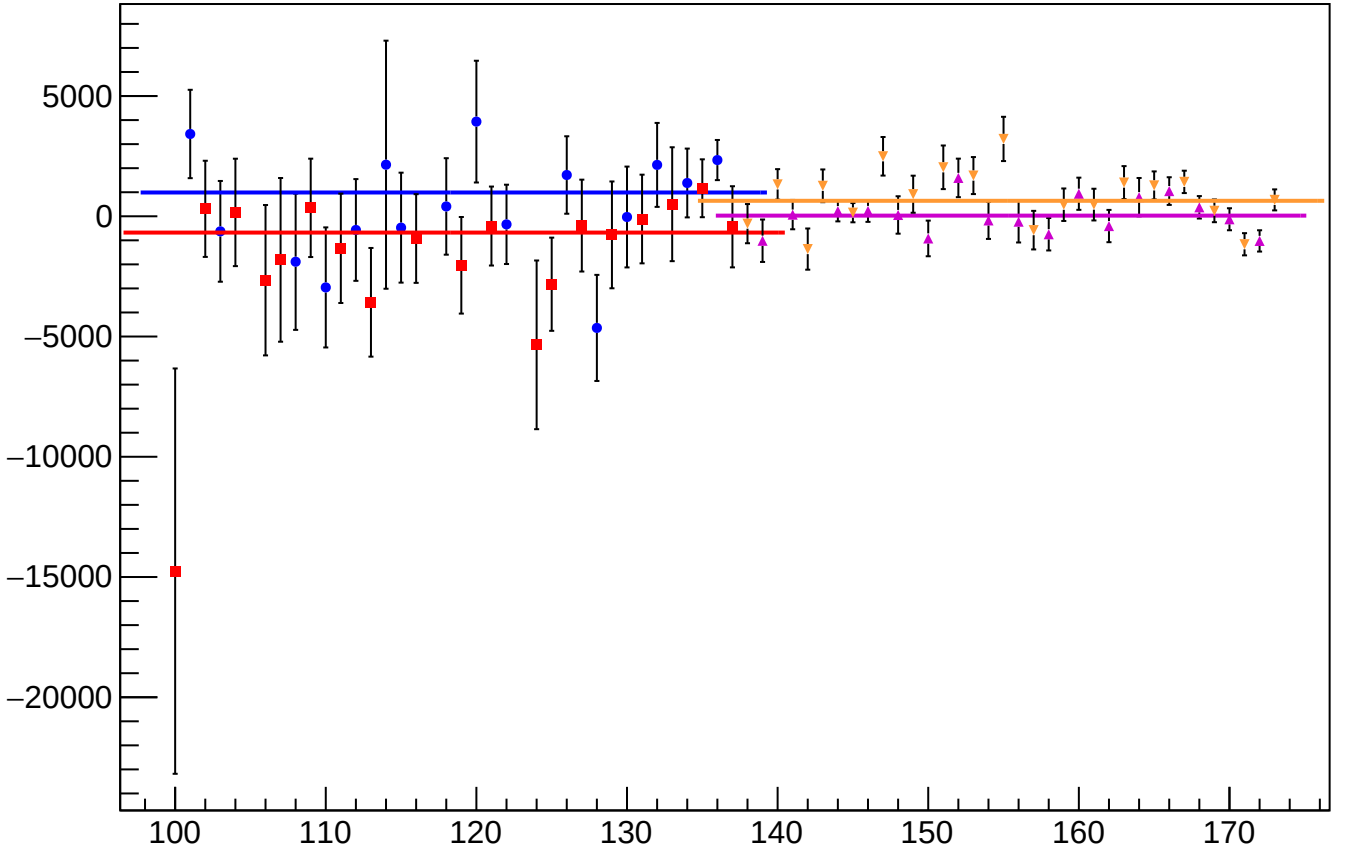
Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 564.199+/-0.095 χ^2/NDF:6599590.5/32

Out: 561.039+/-0.092 χ^2/NDF:7588353.5/37

All: 562.572+/-0.066 χ^2/NDF: 14188516.2/70

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 643.643+/-139.700 χ^2/NDF:51.7/18

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: 27.268+/-144.252 χ^2/NDF:21.4/16

Left: 345.336+/-100.353 χ^2/NDF: 82.5/35

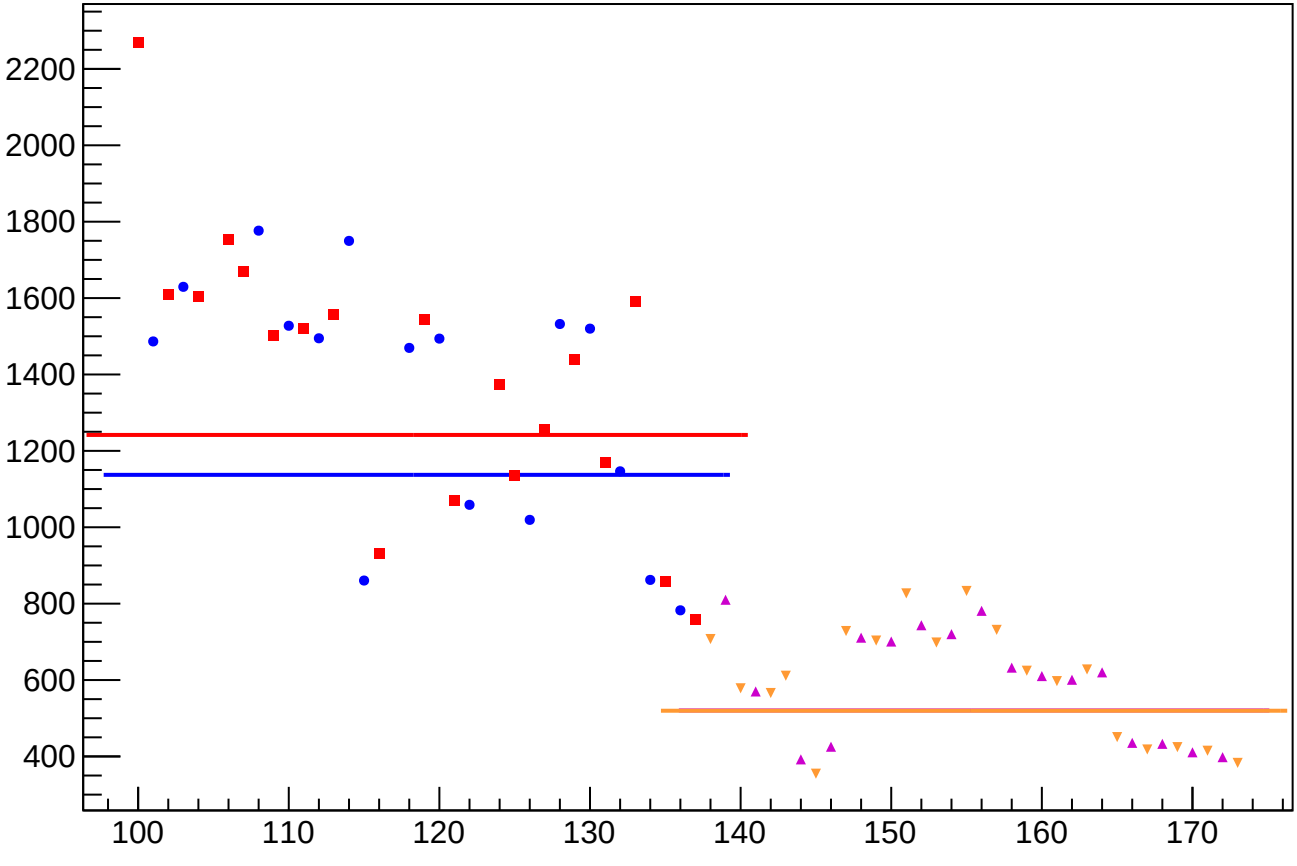
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 119.635+/-137.153 χ^2/NDF:44.7/32

Out: 536.242+/-133.901 χ^2/NDF:70.9/37

All: 332.935+/-95.811 χ^2/NDF: 120.3/70

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 519.659+/-0.099 χ^2/NDF:2091394.3/18

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 520.387+/-0.102 χ^2/NDF:1738306.7/16

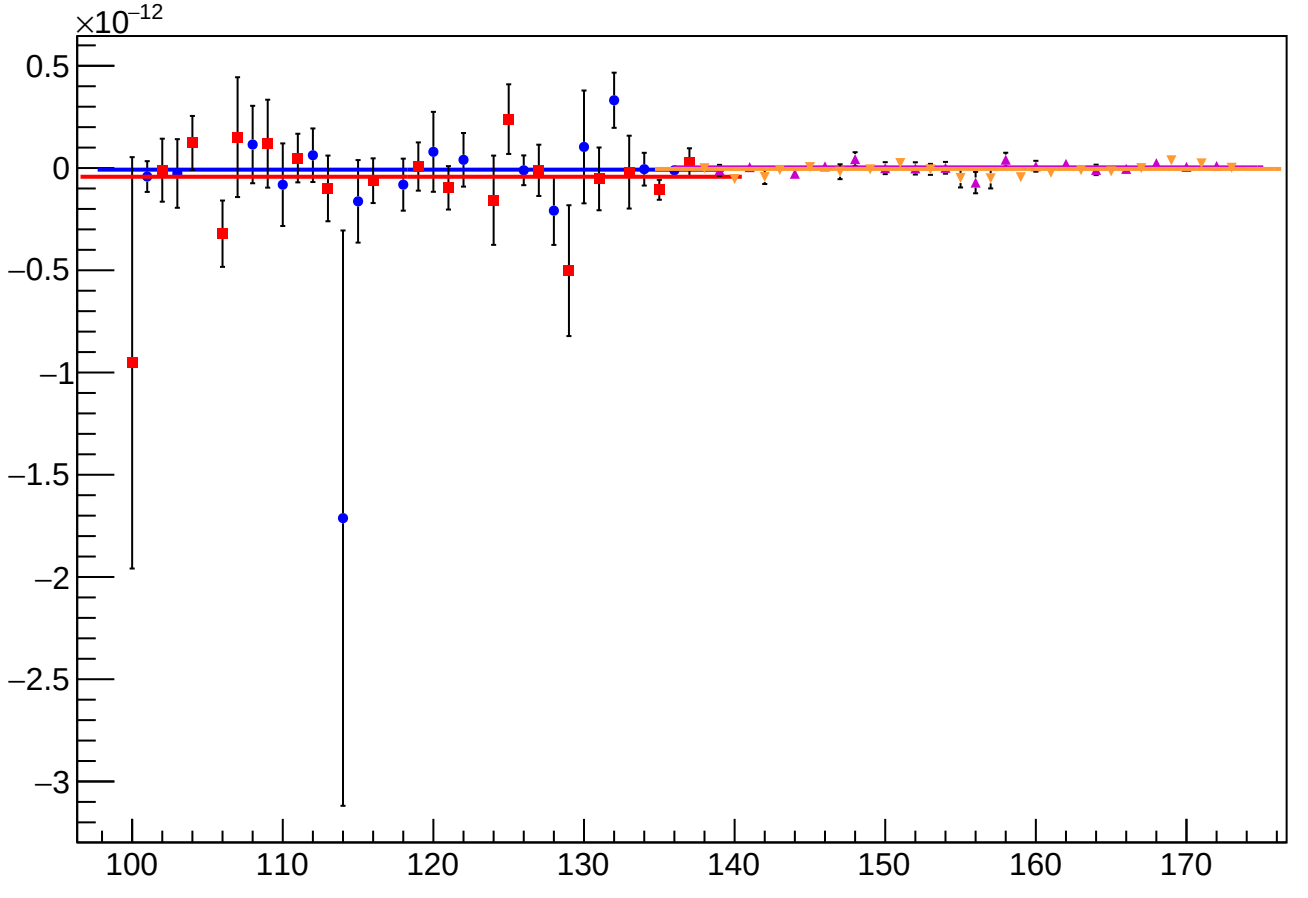
Left: 520.011+/-0.071 χ^2/NDF: 3829727.2/35

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 579.609+/-0.097 χ^2/NDF:6373054.0/32

Out: 578.352+/-0.095 χ^2/NDF:7333836.4/37

All: 578.966+/-0.068 χ^2/NDF: 13706976.4/70



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:10.6/16

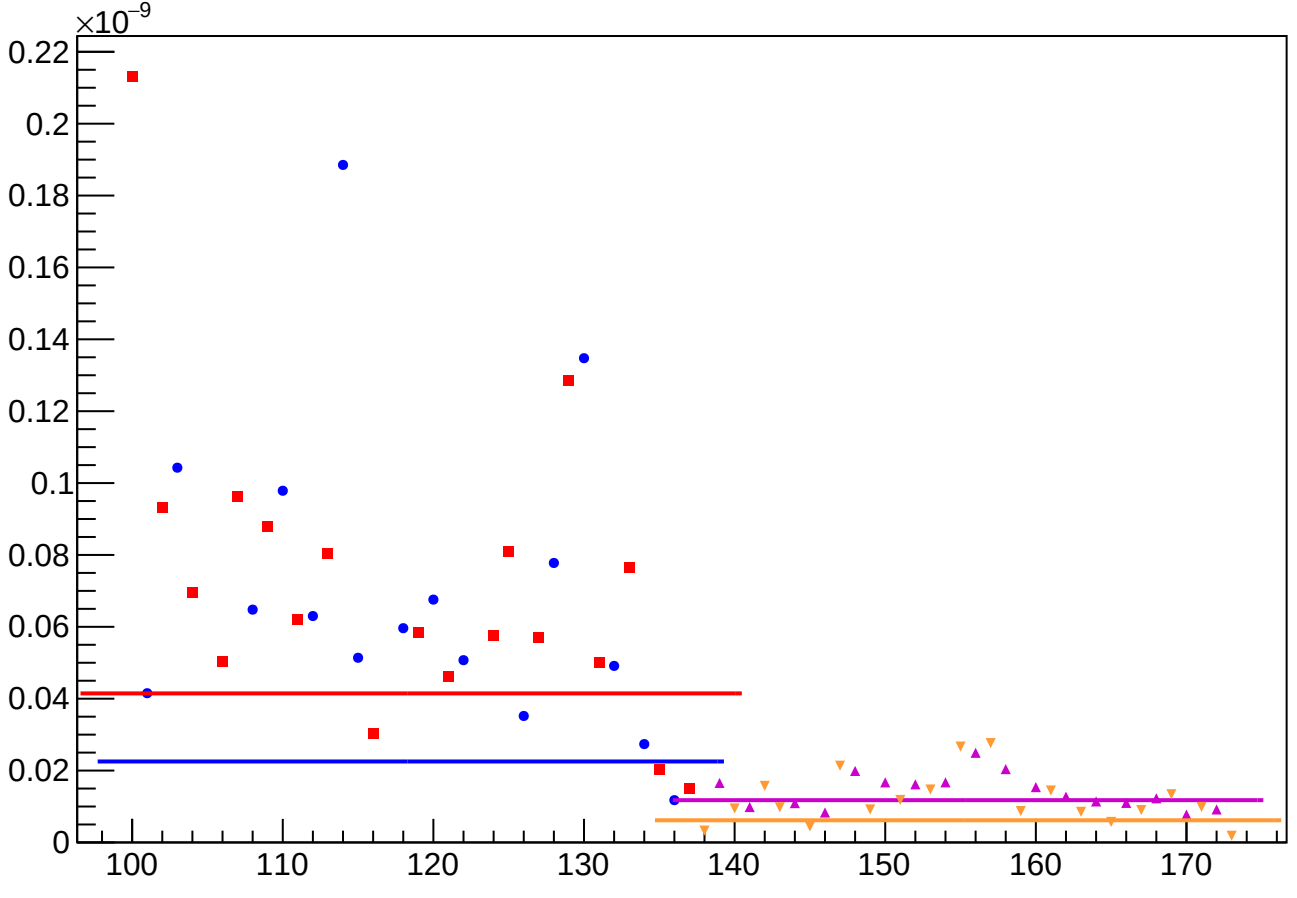
Left: -0.000+/-0.000 χ^2/NDF: 38.5/35

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: 0.000+/-0.000 χ^2/NDF:22.7/32

Out: -0.000+/-0.000 χ^2/NDF:44.0/37

All: -0.000+/-0.000 χ^2/NDF: 68.1/70



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3581190.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

Left In: 0.000+/-0.000 χ^2/NDF:951663.9/16

Left: 0.000+/-0.000 χ^2/NDF: 6040584.9/35

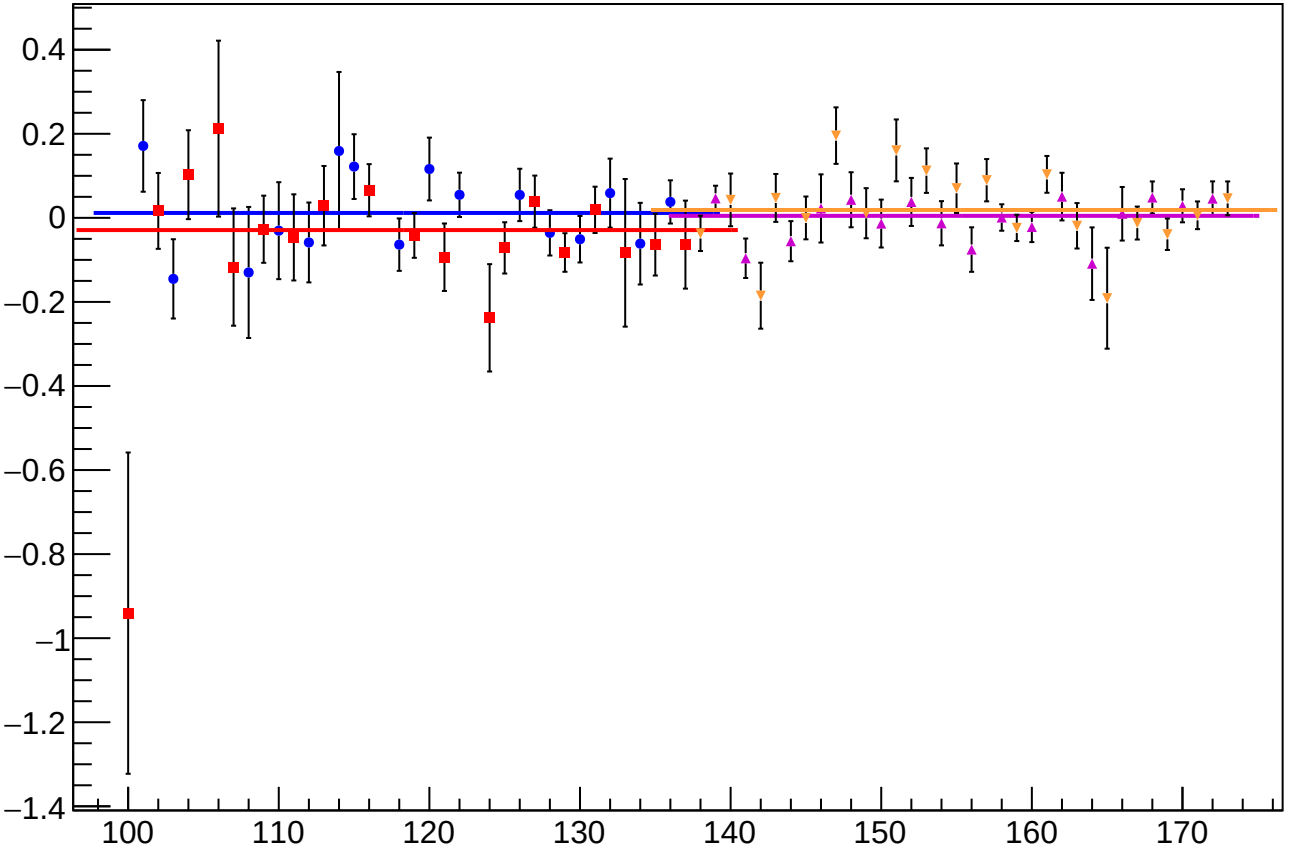
Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:4505496.0/32

Out: 0.000+/-0.000 χ^2/NDF:8776119.3/37

All: 0.000+/-0.000 χ^2/NDF: 15134217.1/70

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: 0.019+/-0.011 χ^2/NDF:38.3/18

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.005+/-0.011 χ^2/NDF:17.0/16

Left: 0.012+/-0.008 χ^2/NDF: 56.1/35

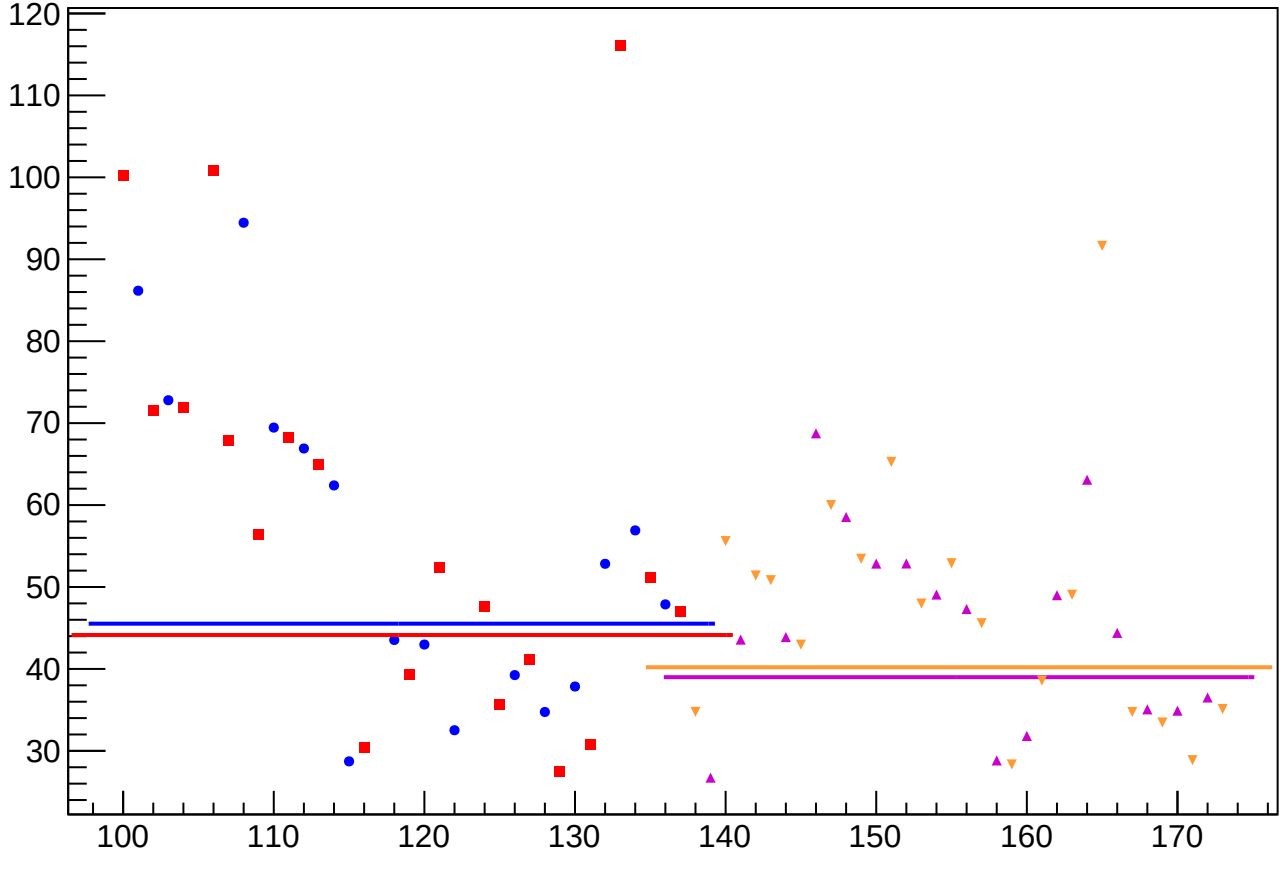
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.007+/-0.009 χ^2/NDF:33.9/32

Out: 0.006+/-0.009 χ^2/NDF:63.1/37

All: 0.006+/-0.007 χ^2/NDF: 97.0/70

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 40.204+/-0.008 χ^2/NDF:2015790.9/18

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 38.995+/-0.008 χ^2/NDF:1749099.8/16

Left: 39.605+/-0.006 χ^2/NDF: 3776872.3/35

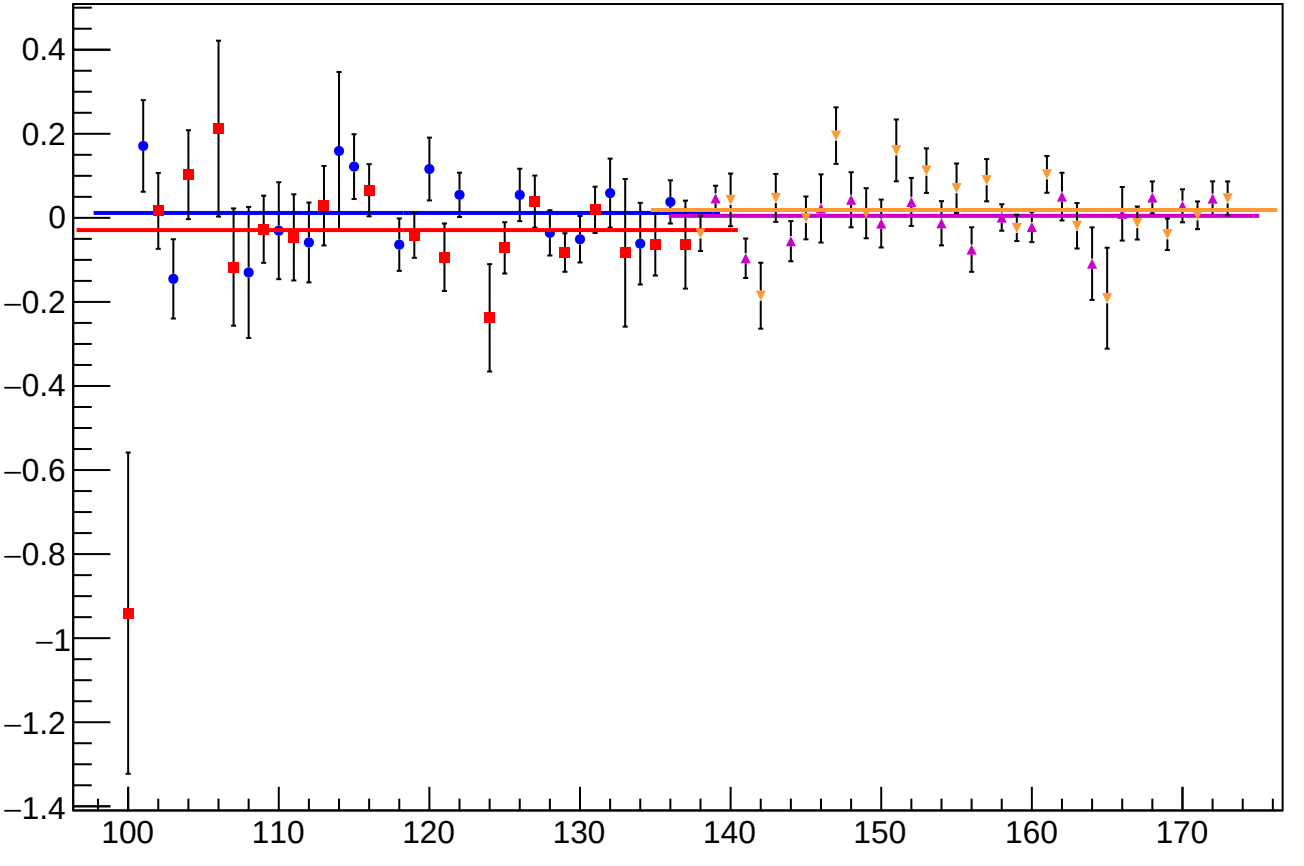
Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 40.749+/-0.007 χ^2/NDF:3188948.3/32

Out: 41.286+/-0.007 χ^2/NDF:3829517.2/37

All: 41.021+/-0.005 χ^2/NDF: 7021701.9/70

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:38.3/18

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.005+/-0.011 χ^2/NDF:17.0/16

Left: 0.012+/-0.008 χ^2/NDF: 56.1/35

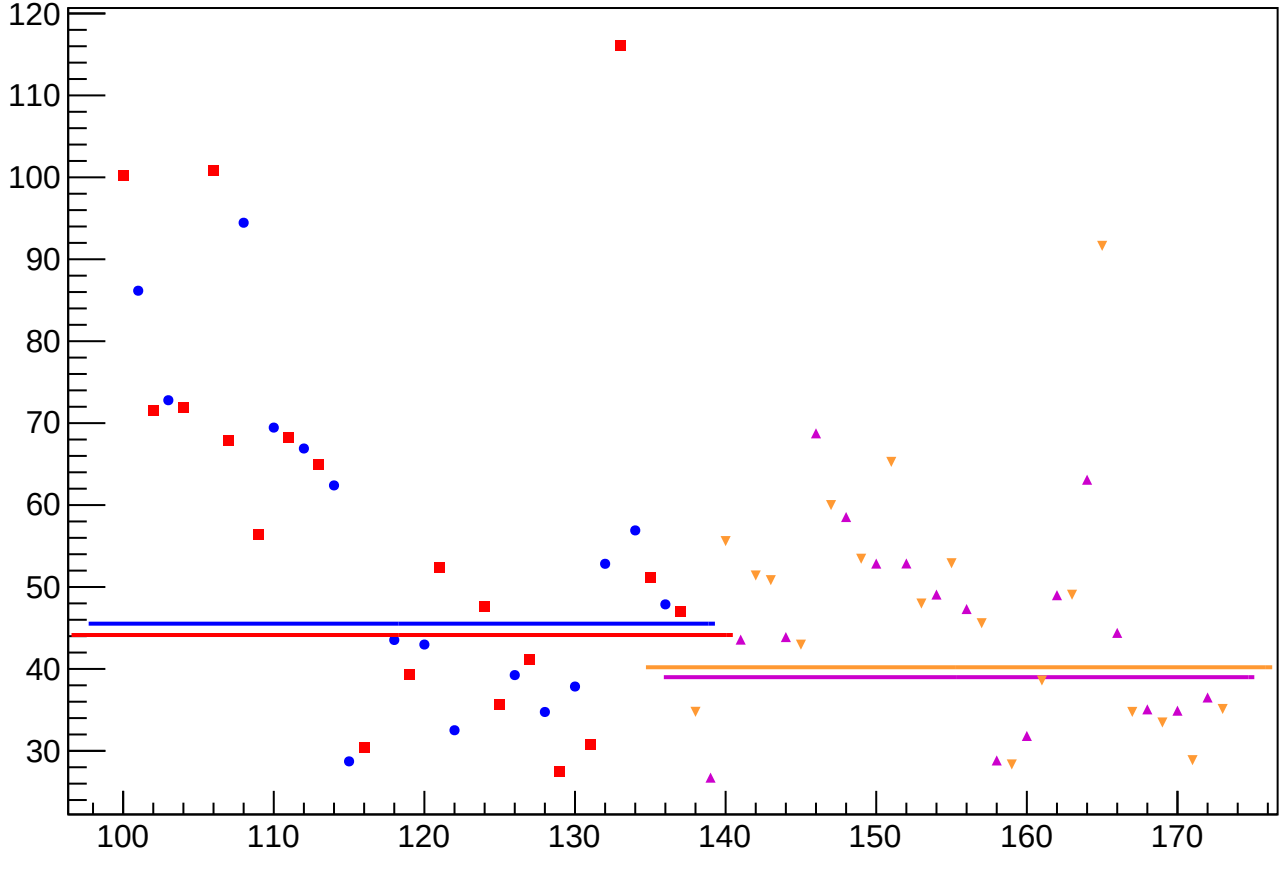
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.007+/-0.009 χ^2/NDF:33.9/32

Out: 0.006+/-0.009 χ^2/NDF:63.1/37

All: 0.006+/-0.007 χ^2/NDF: 97.0/70

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 40.204+/-0.008 χ^2/NDF:2015790.9/18

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 38.995+/-0.008 χ^2/NDF:1749099.8/16

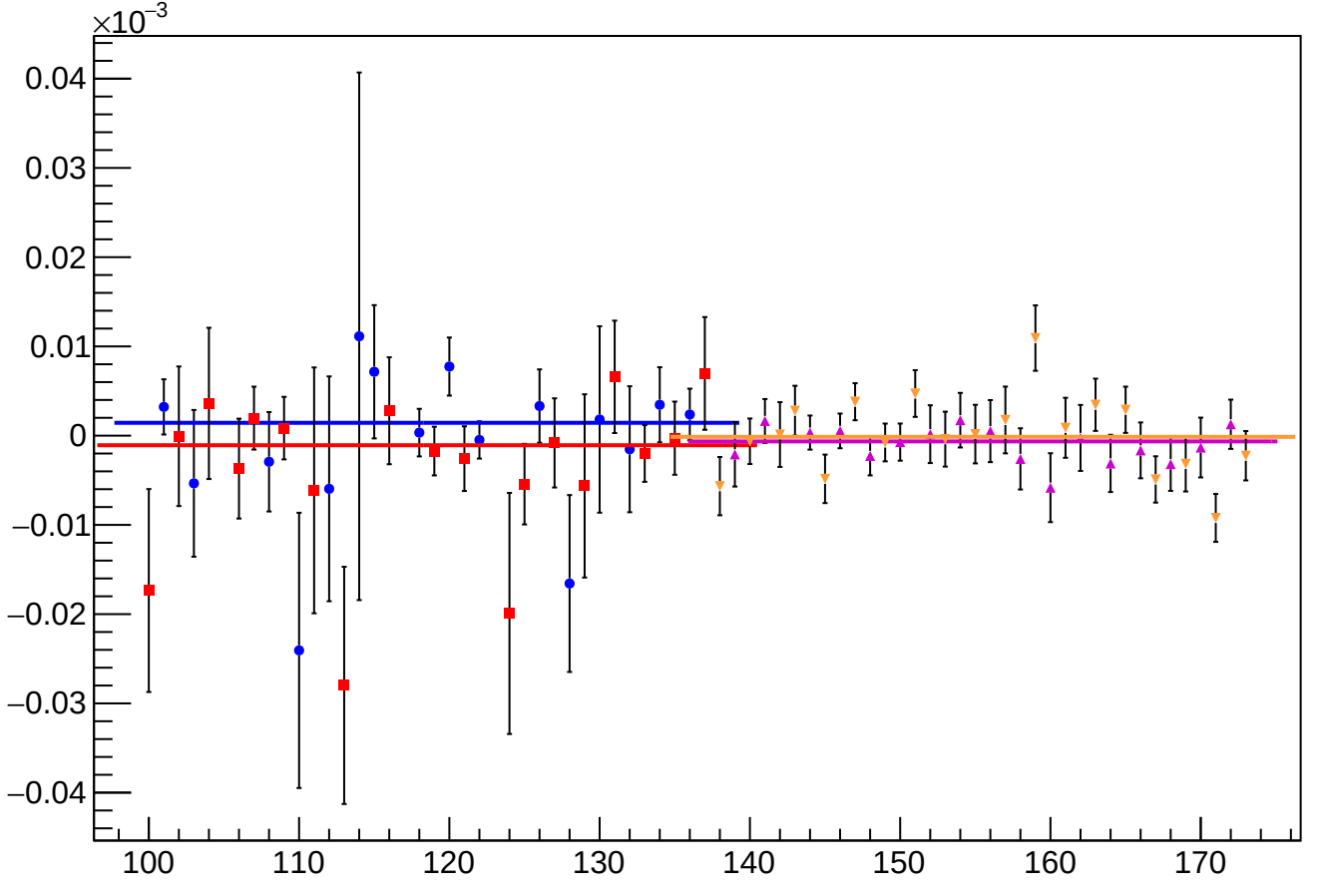
Left: 39.605+/-0.006 χ^2/NDF: 3776872.3/35

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 40.749+/-0.007 χ^2/NDF:3188948.3/32

Out: 41.286+/-0.007 χ^2/NDF:3829517.2/37

All: 41.021+/-0.005 χ^2/NDF: 7021701.9/70



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.9/18

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.1/16

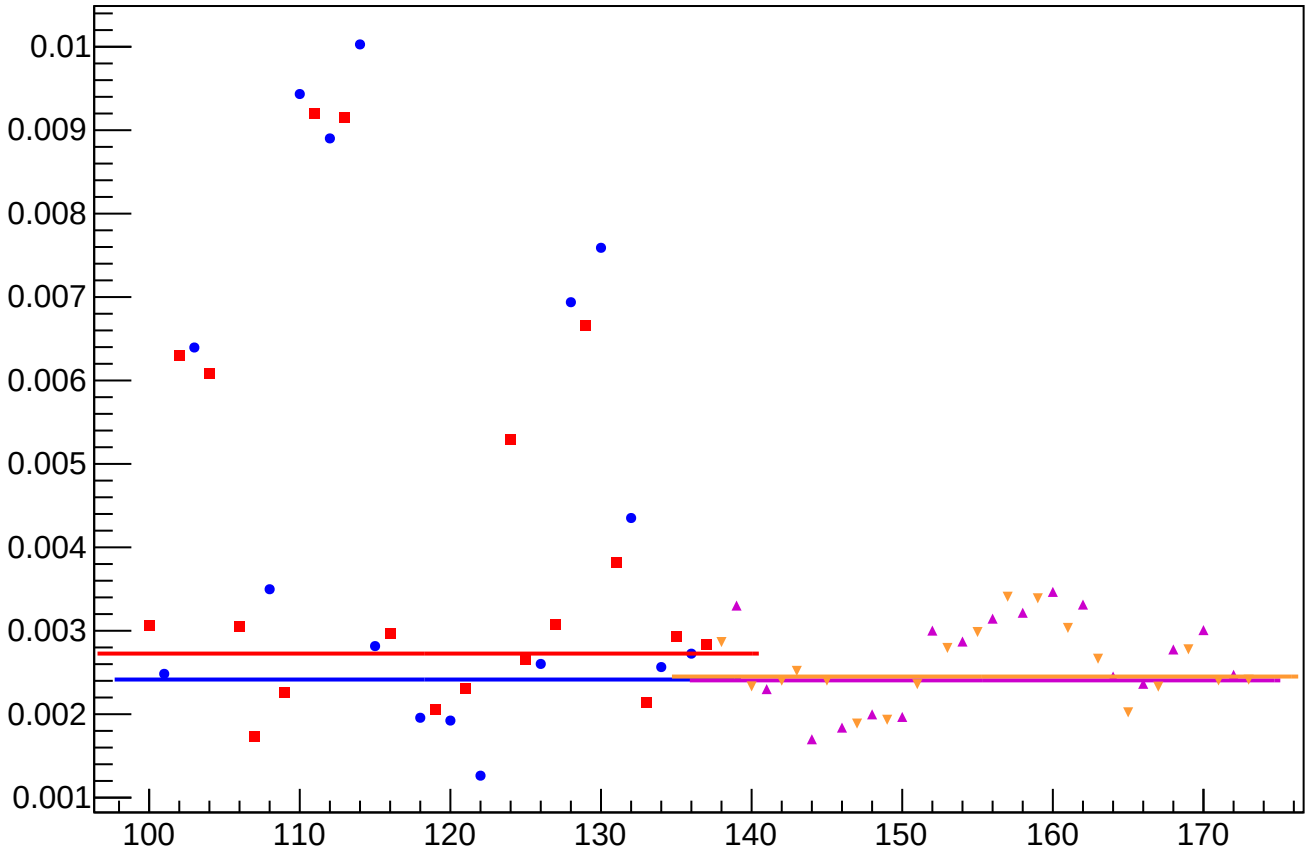
Left: -0.000+/-0.000 χ^2/NDF: 50.3/35

Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: -0.000+/-0.000 χ^2/NDF:24.1/32

Out: -0.000+/-0.000 χ^2/NDF:58.2/37

All: -0.000+/-0.000 χ^2/NDF: 82.5/70



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:801010.1/18

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1414171.4/16

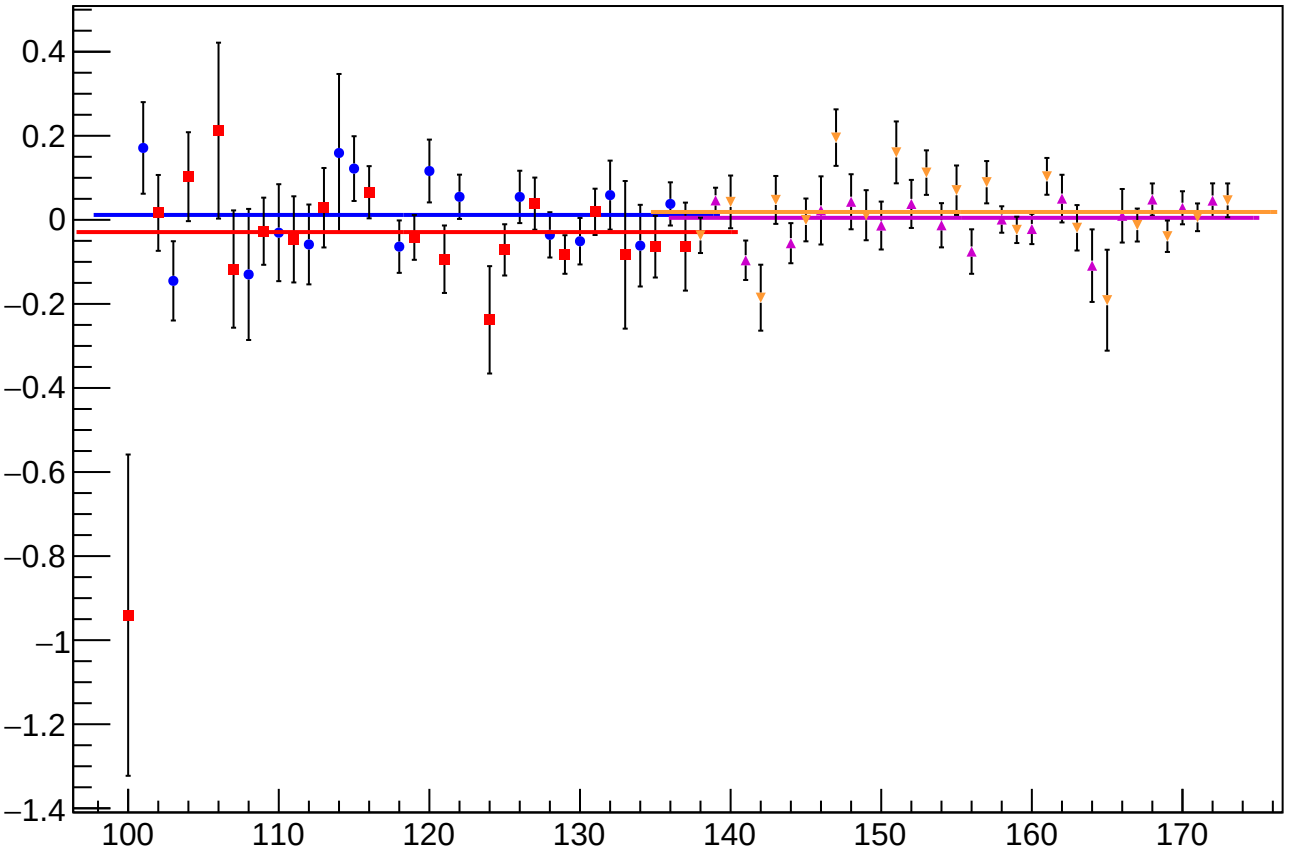
Left: 0.002+/-0.000 χ^2/NDF: 2220093.4/35

Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:4846412.7/32

Out: 0.003+/-0.000 χ^2/NDF:3396622.1/37

All: 0.002+/-0.000 χ^2/NDF: 8282539.8/70



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:38.3/18

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.005+/-0.011 χ^2/NDF:17.0/16

Left: 0.012+/-0.008 χ^2/NDF: 56.1/35

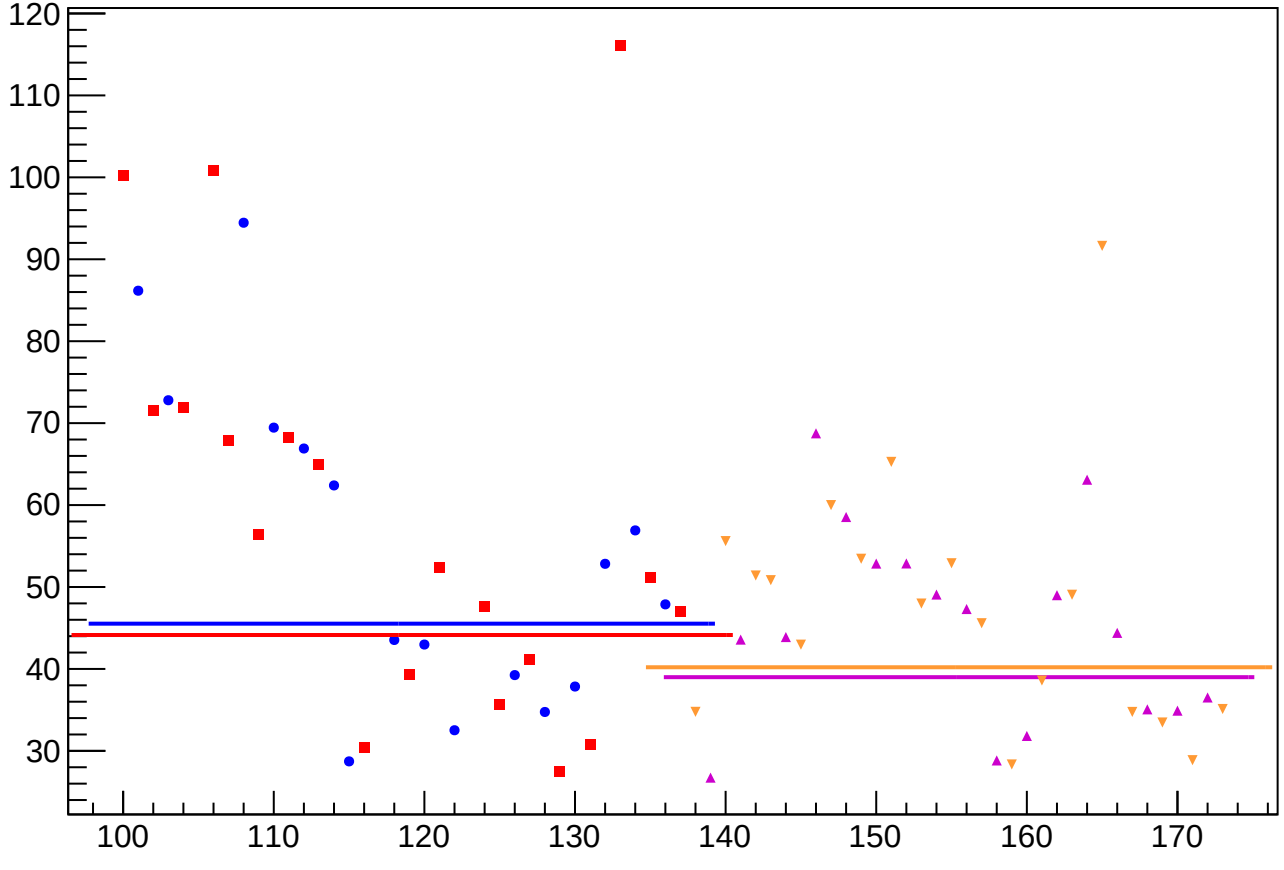
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.007+/-0.009 χ^2/NDF:33.9/32

Out: 0.006+/-0.009 χ^2/NDF:63.1/37

All: 0.006+/-0.007 χ^2/NDF: 97.0/70

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: 40.205+/-0.008 χ^2/NDF:2015819.3/18

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 38.995+/-0.008 χ^2/NDF:1749140.7/16

Left: 39.605+/-0.006 χ^2/NDF: 3776939.9/35

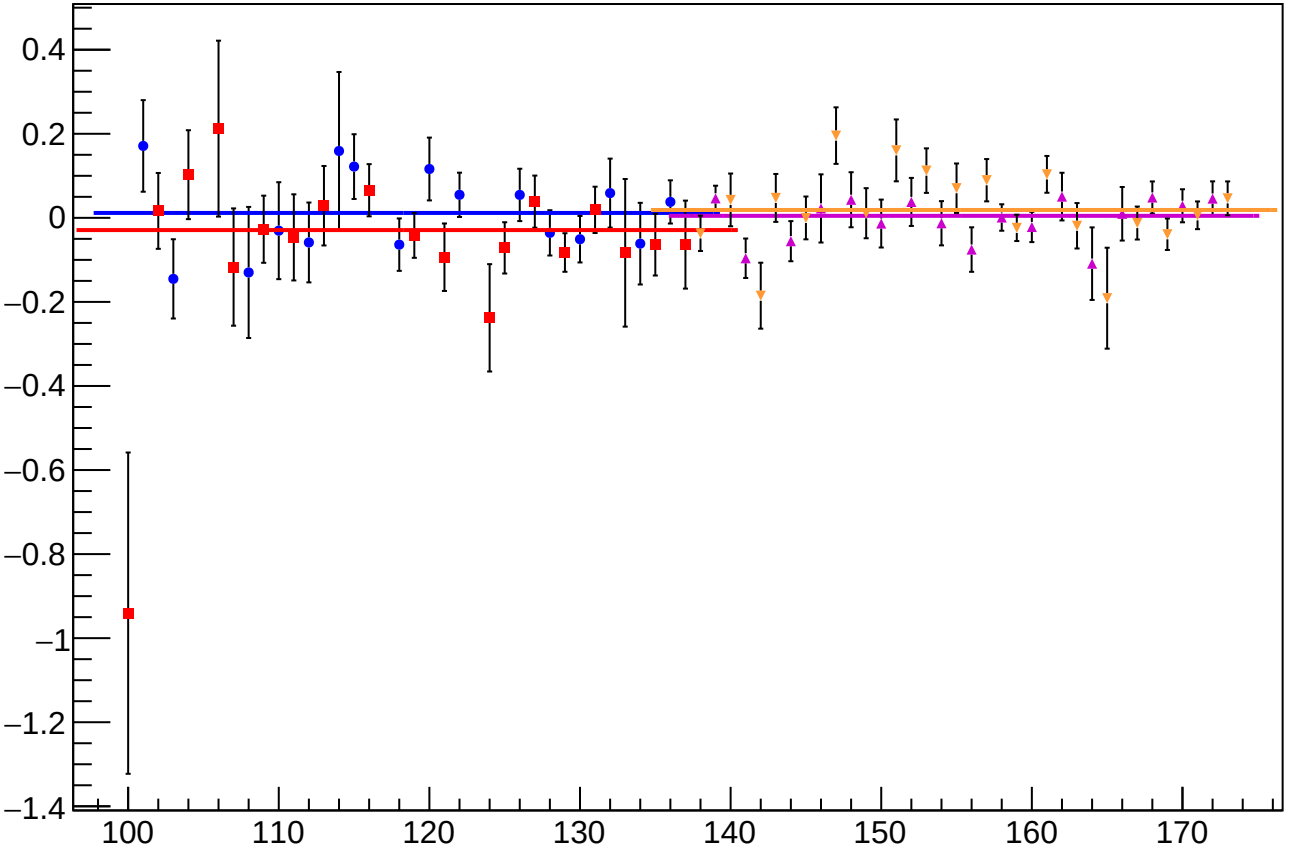
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 40.749+/-0.007 χ^2/NDF:3188924.8/32

Out: 41.286+/-0.007 χ^2/NDF:3829468.8/37

All: 41.021+/-0.005 χ^2/NDF: 7021630.3/70

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: 0.019+/-0.011 χ^2/NDF:38.3/18

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.005+/-0.011 χ^2/NDF:17.0/16

Left: 0.012+/-0.008 χ^2/NDF: 56.1/35

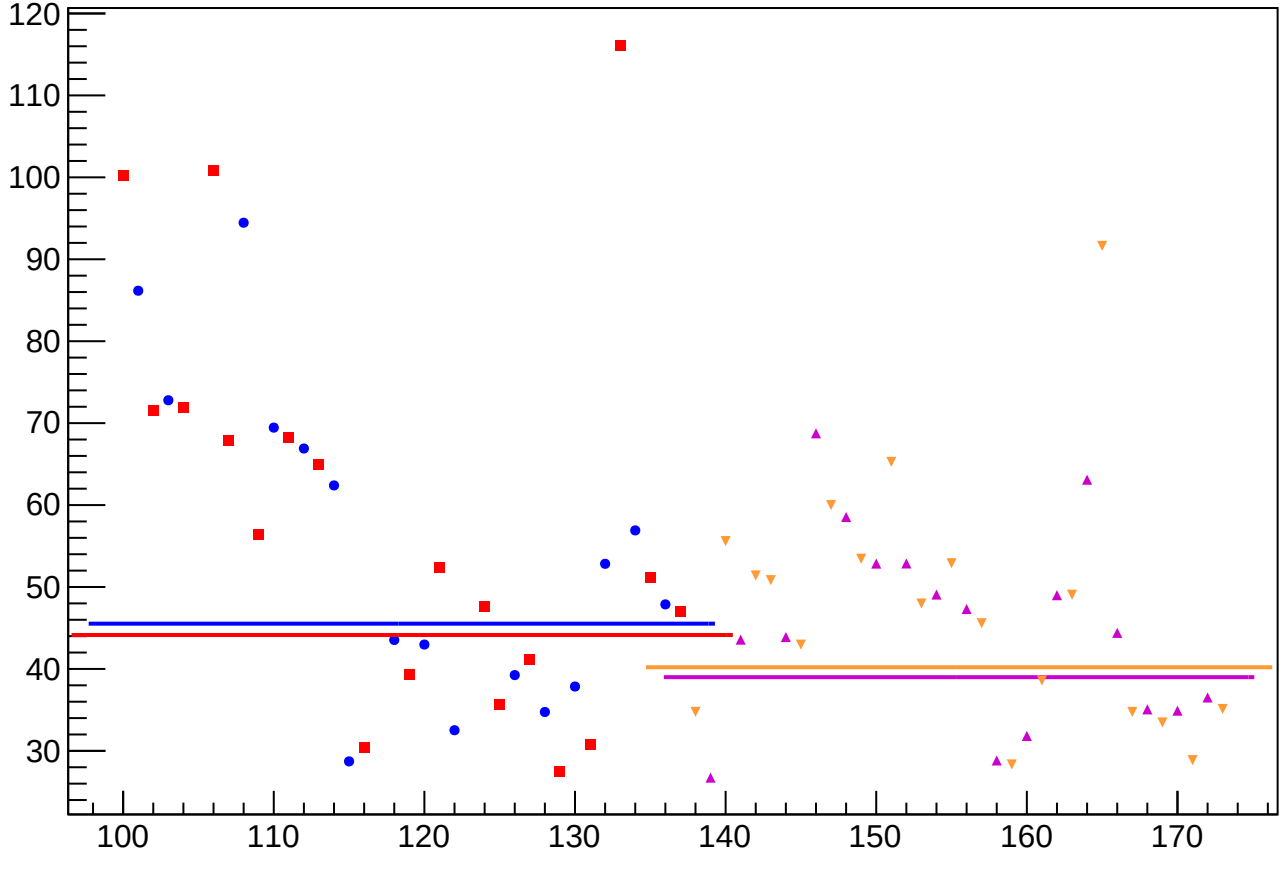
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.007+/-0.009 χ^2/NDF:33.9/32

Out: 0.006+/-0.009 χ^2/NDF:63.1/37

All: 0.006+/-0.007 χ^2/NDF: 97.0/70

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: 40.205+/-0.008 χ^2/NDF:2015819.3/18

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 38.995+/-0.008 χ^2/NDF:1749140.7/16

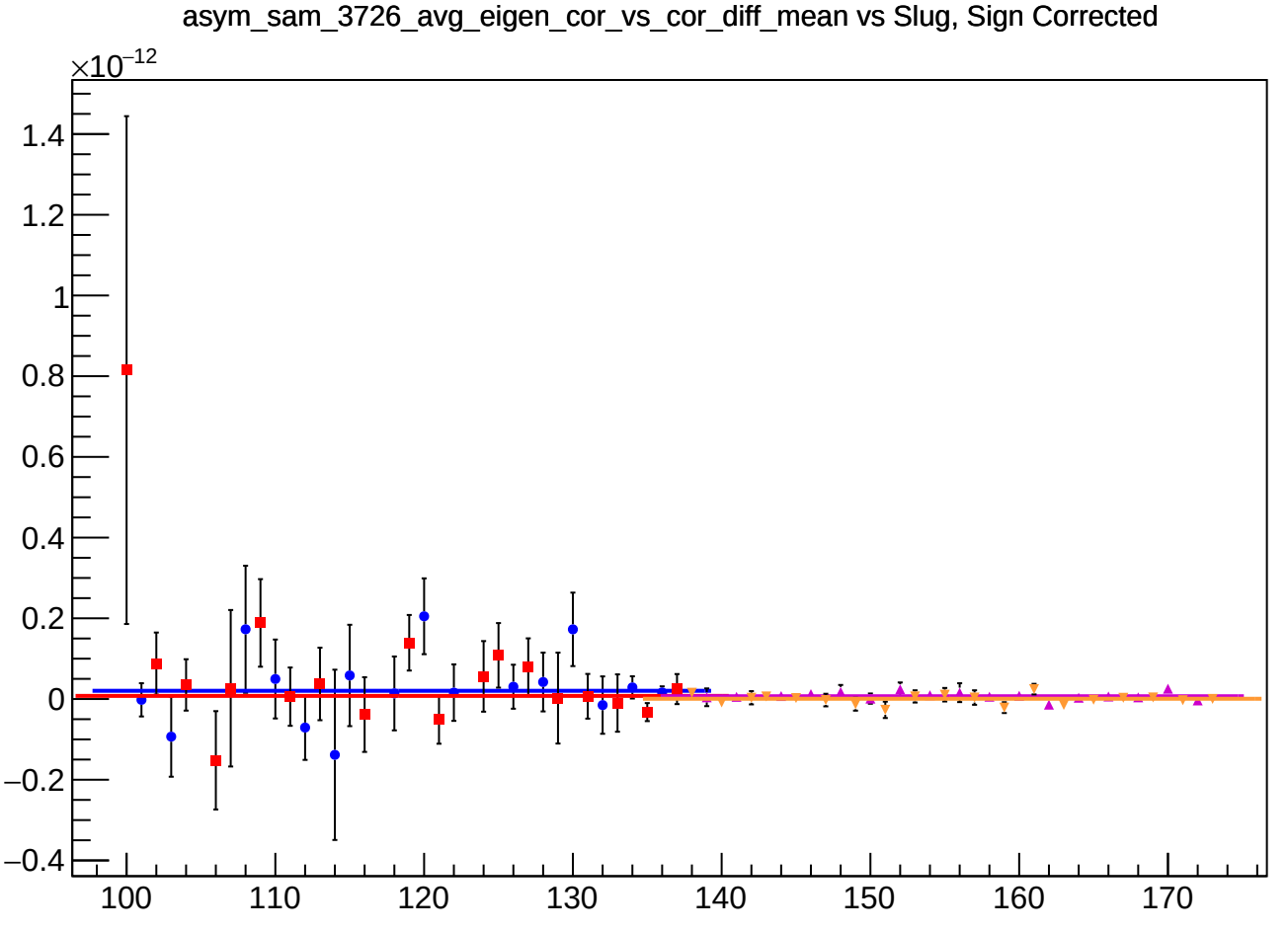
Left: 39.605+/-0.006 χ^2/NDF: 3776939.9/35

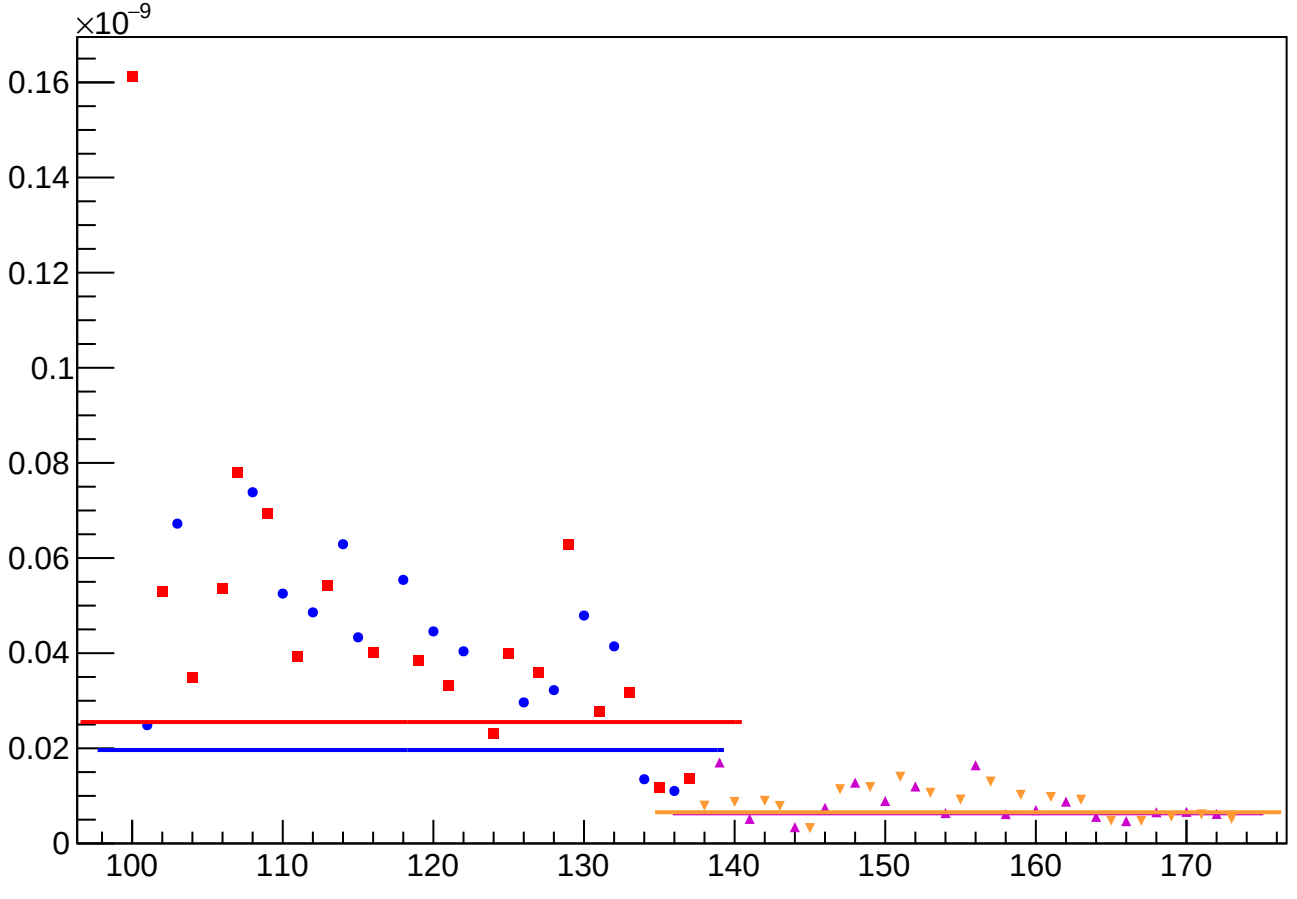
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 40.749+/-0.007 χ^2/NDF:3188924.8/32

Out: 41.286+/-0.007 χ^2/NDF:3829468.8/37

All: 41.021+/-0.005 χ^2/NDF: 7021630.3/70


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: 0.000+/-0.000 χ²/NDF:13.7/18
Right Out: 0.000+/-0.000 χ²/NDF: 18.8/18
Left In: 0.000+/-0.000 χ²/NDF:11.1/16
Left: 0.000+/-0.000 χ²/NDF: 28.2/35
Right: 0.000+/-0.000 χ²/NDF: 31.1/34
In: 0.000+/-0.000 χ²/NDF:24.3/32
Out: 0.000+/-0.000 χ²/NDF:32.7/37
All: 0.000+/-0.000 χ²/NDF: 61.0/70



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2683928.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2189013.1/16

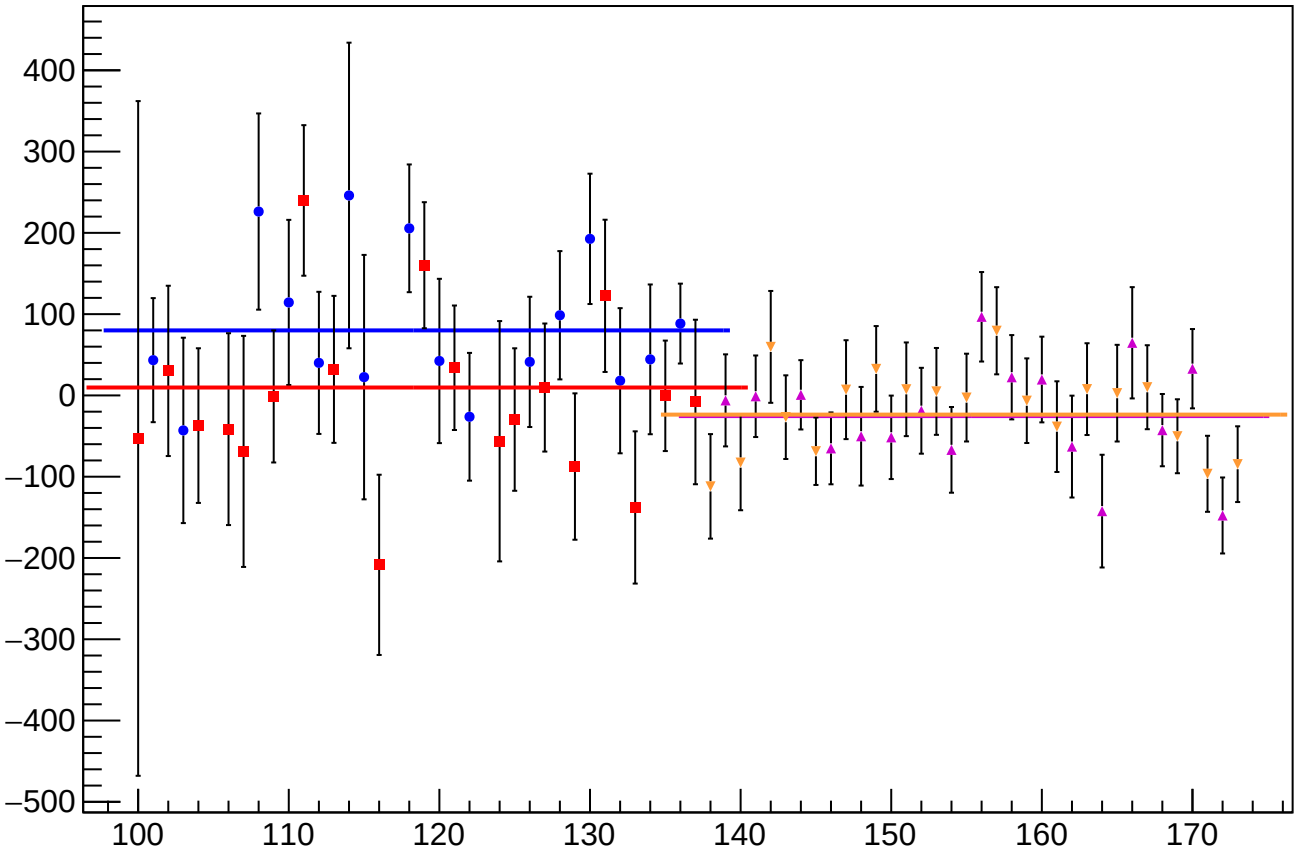
Left: 0.000+/-0.000 χ^2/NDF: 4881952.0/35

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:8137062.2/32

Out: 0.000+/-0.000 χ^2/NDF:9108175.1/37

All: 0.000+/-0.000 χ^2/NDF: 17251253.7/70



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -23.621+/-12.183 χ^2/NDF:17.0/18

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -25.427+/-12.638 χ^2/NDF:22.5/16

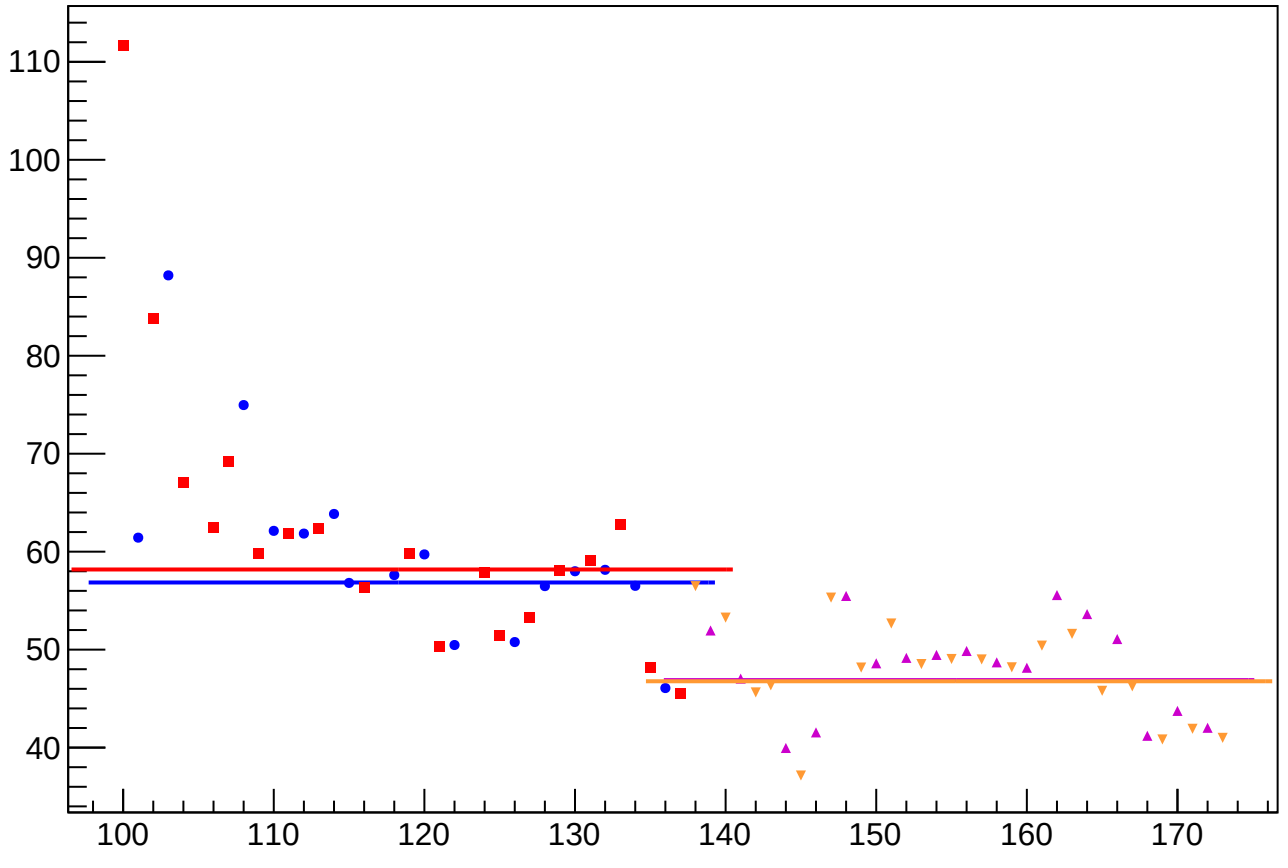
Left: -24.491+/-8.771 χ^2/NDF: 39.4/35

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 1.694+/-10.892 χ^2/NDF:51.9/32

Out: -15.582+/-10.614 χ^2/NDF:39.1/37

All: -7.168+/-7.602 χ^2/NDF: 92.3/70



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 46.772+/-0.009 χ^2/NDF:361071.1/18

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 46.893+/-0.009 χ^2/NDF:285587.1/16

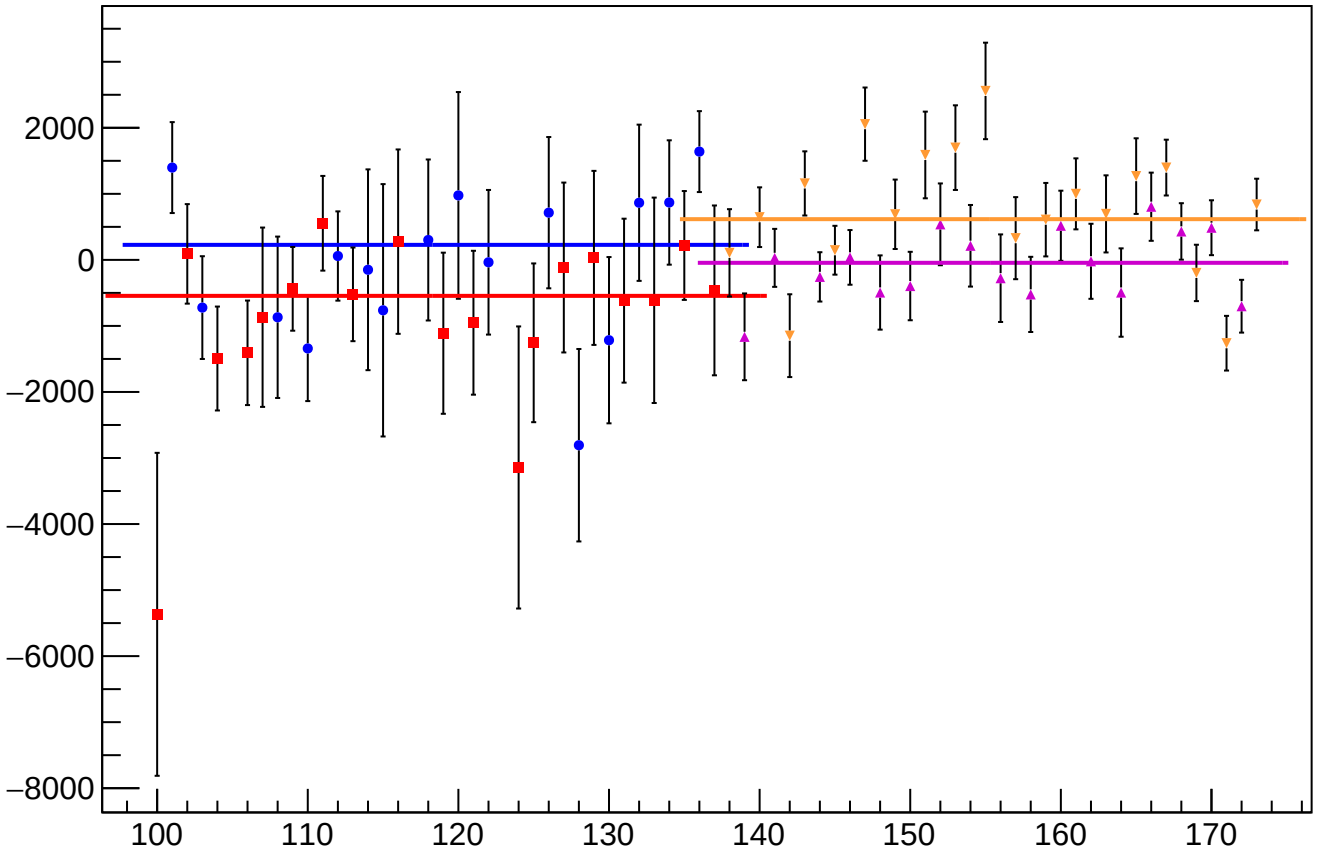
Left: 46.830+/-0.006 χ^2/NDF: 646754.3/35

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 49.456+/-0.008 χ^2/NDF:946808.4/32

Out: 49.522+/-0.008 χ^2/NDF:1098594.7/37

All: 49.490+/-0.005 χ^2/NDF: 2045441.0/70



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 616.626+/-116.628 χ^2/NDF:60.2/18

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -44.368+/-121.141 χ^2/NDF:16.1/16

Left: 298.669+/-84.019 χ^2/NDF: 91.8/35

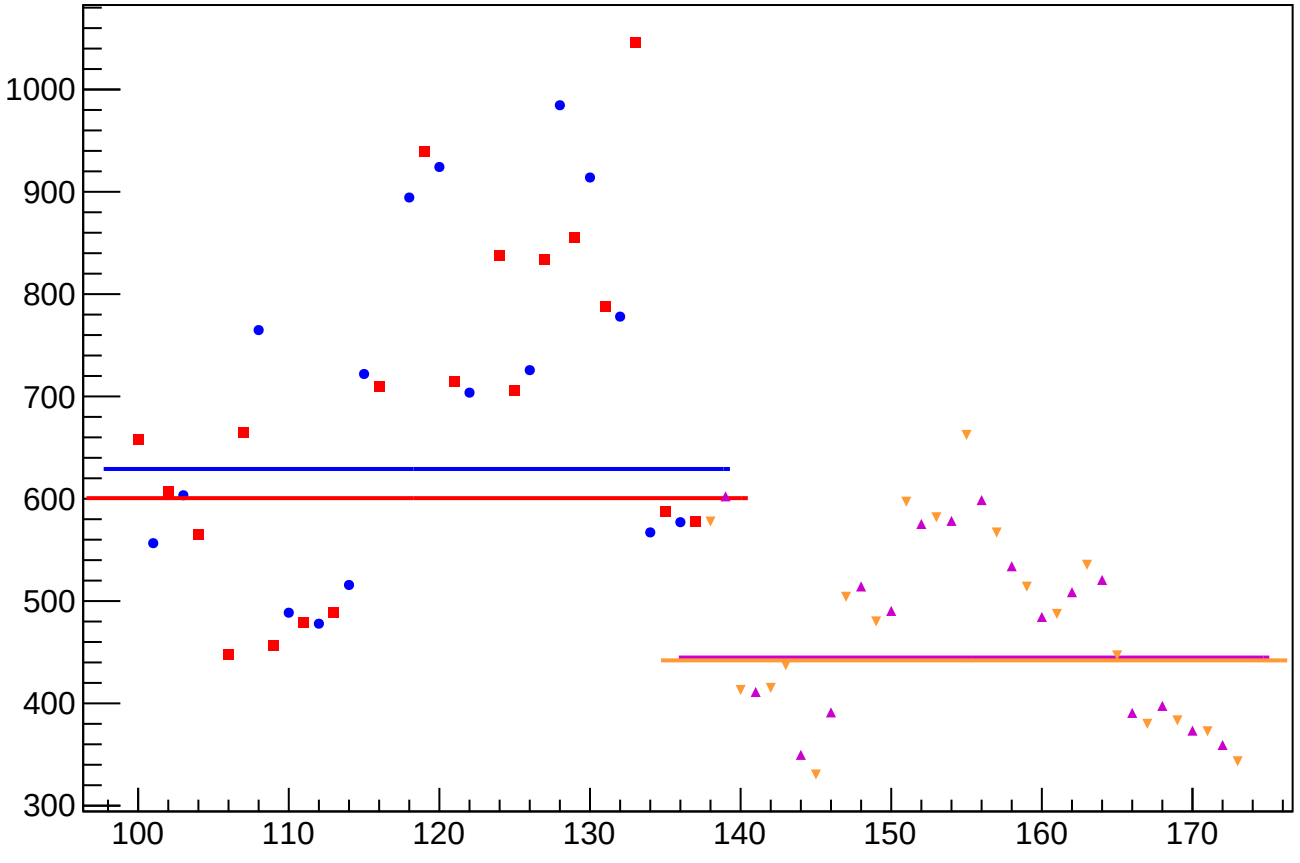
Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: 10.389+/-108.257 χ^2/NDF:38.8/32

Out: 374.487+/-103.761 χ^2/NDF:94.3/37

All: 200.155+/-74.909 χ^2/NDF: 139.0/70

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 442.020+/-0.082 χ^2/NDF:1147138.6/18

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 444.786+/-0.086 χ^2/NDF:934505.2/16

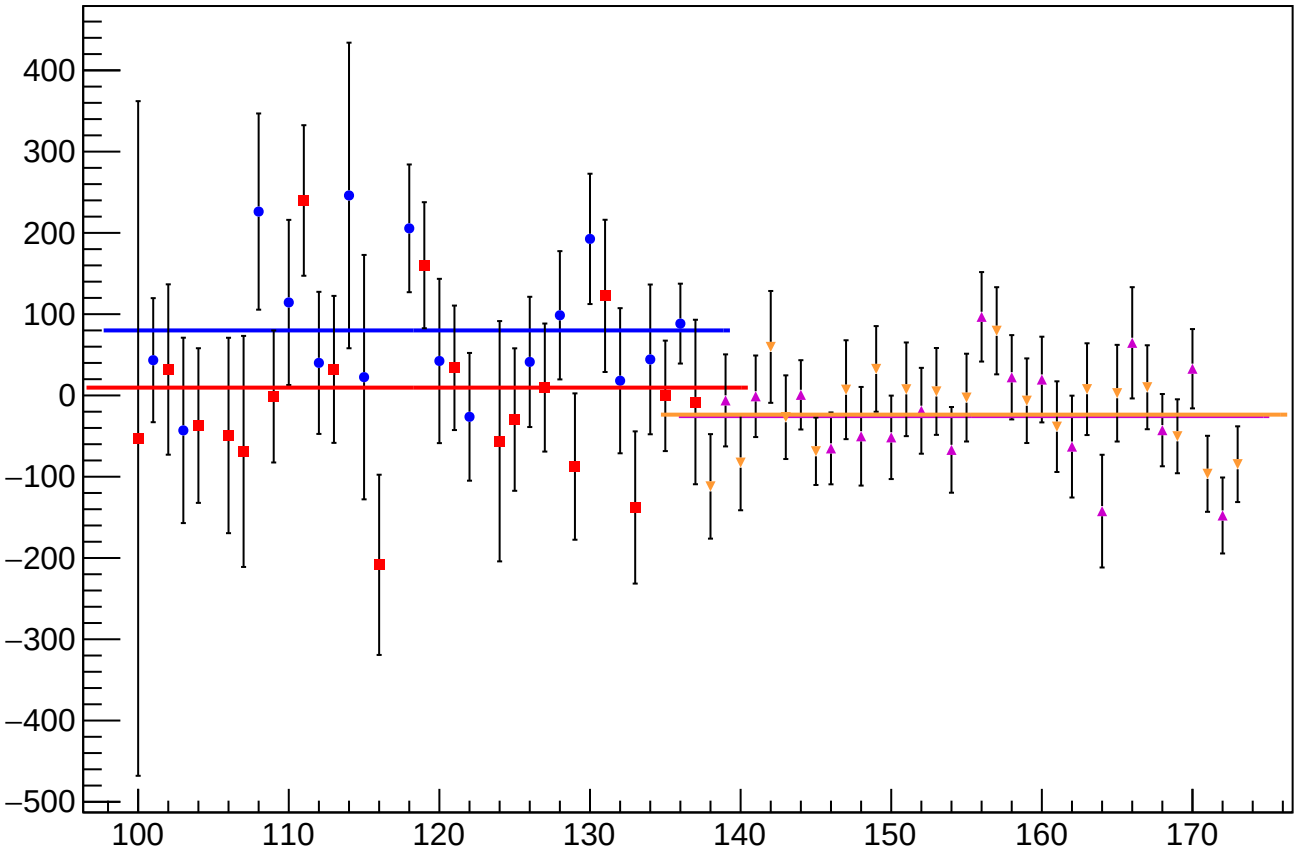
Left: 443.351+/-0.059 χ^2/NDF: 2082185.0/35

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 481.907+/-0.077 χ^2/NDF:2559644.6/32

Out: 475.081+/-0.073 χ^2/NDF:2792595.9/37

All: 478.349+/-0.053 χ^2/NDF: 5356384.3/70



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -23.623+/-12.183 χ^2/NDF:17.0/18

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -25.428+/-12.638 χ^2/NDF:22.5/16

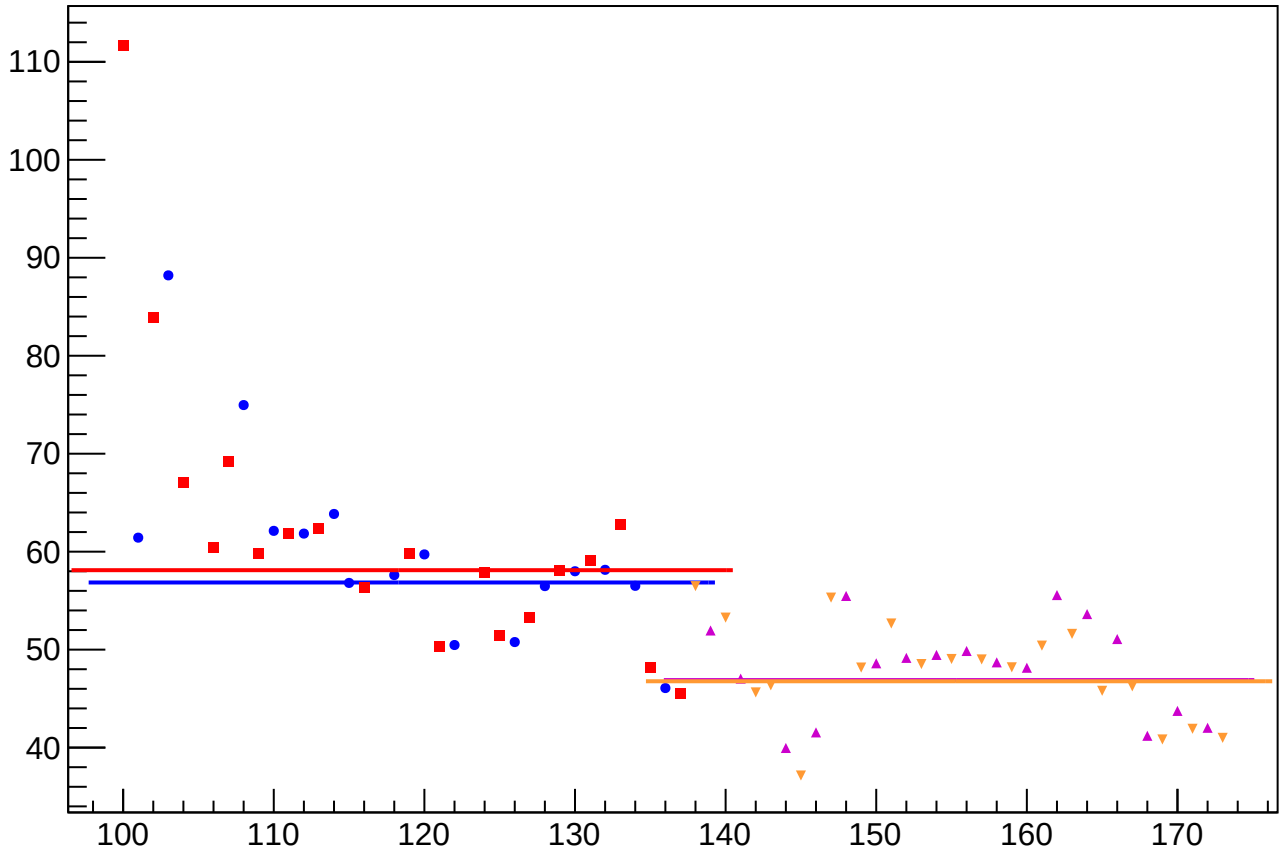
Left: -24.492+/-8.771 χ^2/NDF: 39.4/35

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 1.695+/-10.892 χ^2/NDF:51.9/32

Out: -15.617+/-10.615 χ^2/NDF:39.2/37

All: -7.184+/-7.602 χ^2/NDF: 92.4/70



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 46.772+/-0.009 χ^2/NDF:361071.1/18

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.893+/-0.009 χ^2/NDF:285587.1/16

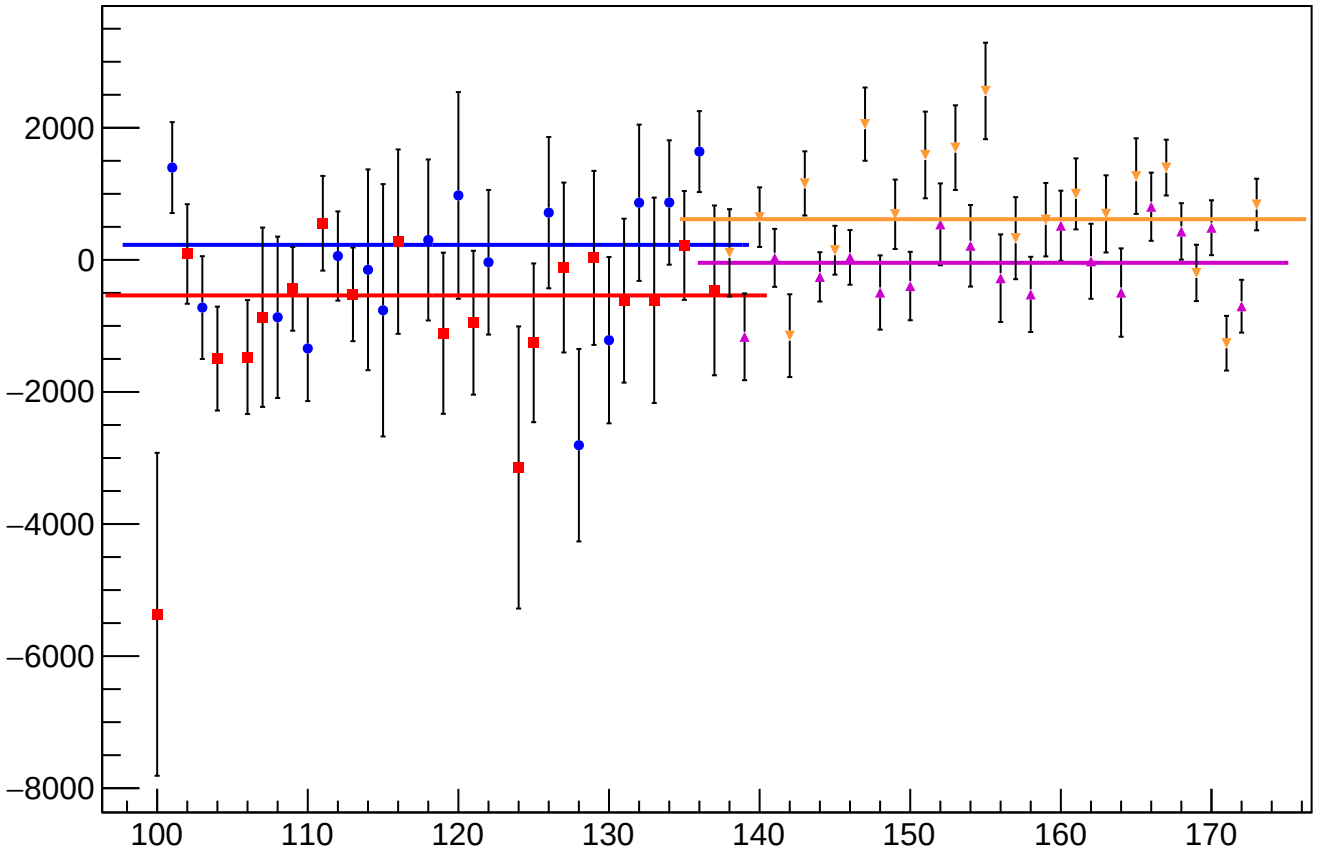
Left: 46.830+/-0.006 χ^2/NDF: 646754.2/35

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 49.456+/-0.008 χ^2/NDF:946812.5/32

Out: 49.502+/-0.008 χ^2/NDF:1091248.4/37

All: 49.480+/-0.005 χ^2/NDF: 2038079.6/70



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 616.624+/-116.628 χ^2/NDF:60.2/18

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -44.372+/-121.141 χ^2/NDF:16.1/16

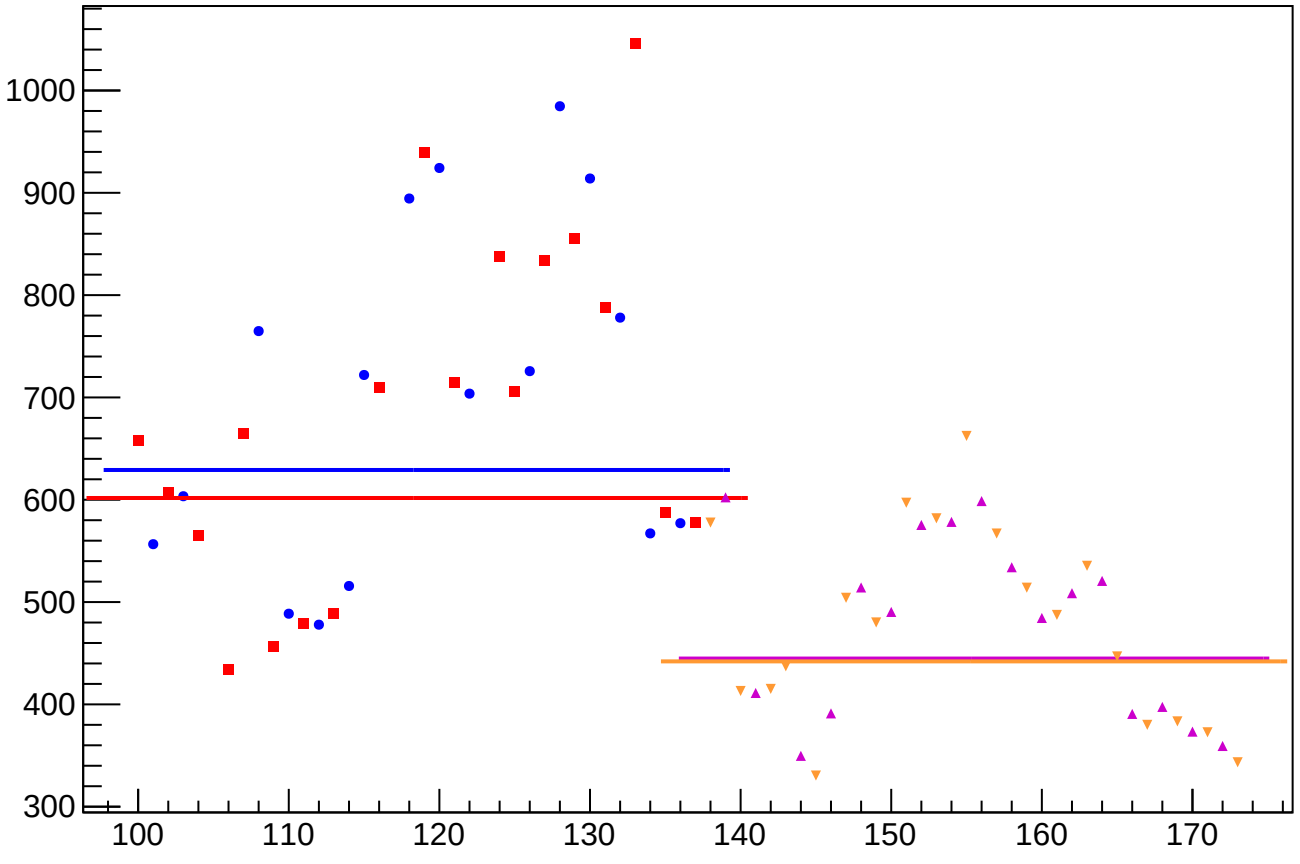
Left: 298.666+/-84.019 χ^2/NDF: 91.8/35

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: 10.393+/-108.257 χ^2/NDF:38.8/32

Out: 378.389+/-103.903 χ^2/NDF:93.8/37

All: 201.939+/-74.963 χ^2/NDF: 138.6/70



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 442.020+/-0.082 χ^2/NDF:1147138.4/18

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 444.786+/-0.086 χ^2/NDF:934504.3/16

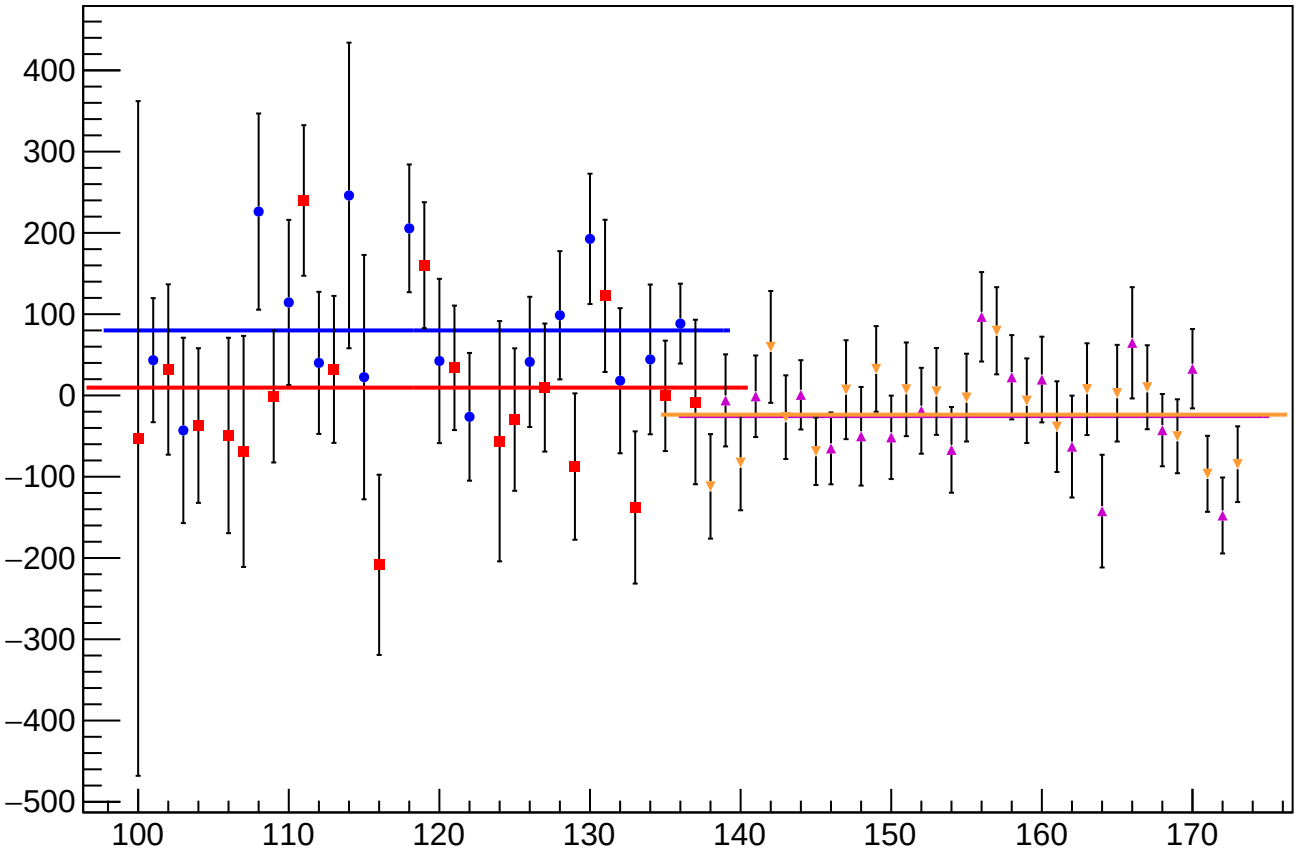
Left: 443.351+/-0.059 χ^2/NDF: 2082184.0/35

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 481.907+/-0.077 χ^2/NDF:2559671.6/32

Out: 474.968+/-0.073 χ^2/NDF:2794851.1/37

All: 478.295+/-0.053 χ^2/NDF: 5358800.0/70



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -23.623+/-12.183 χ^2/NDF:17.0/18

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -25.428+/-12.638 χ^2/NDF:22.5/16

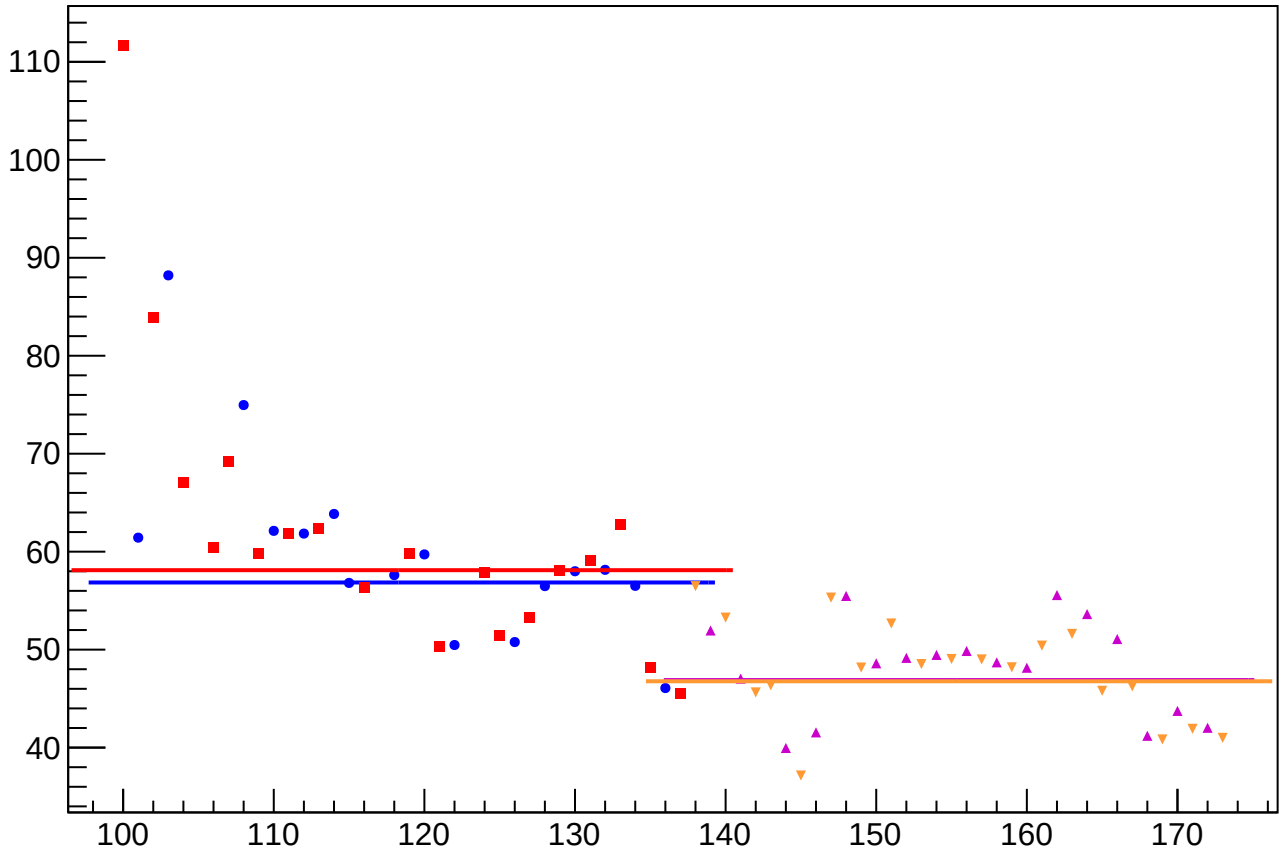
Left: -24.492+/-8.771 χ^2/NDF: 39.4/35

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 1.695+/-10.892 χ^2/NDF:51.9/32

Out: -15.617+/-10.615 χ^2/NDF:39.2/37

All: -7.184+/-7.602 χ^2/NDF: 92.4/70



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 46.772+/-0.009 χ^2/NDF:361071.1/18

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.893+/-0.009 χ^2/NDF:285587.1/16

Left: 46.830+/-0.006 χ^2/NDF: 646754.2/35

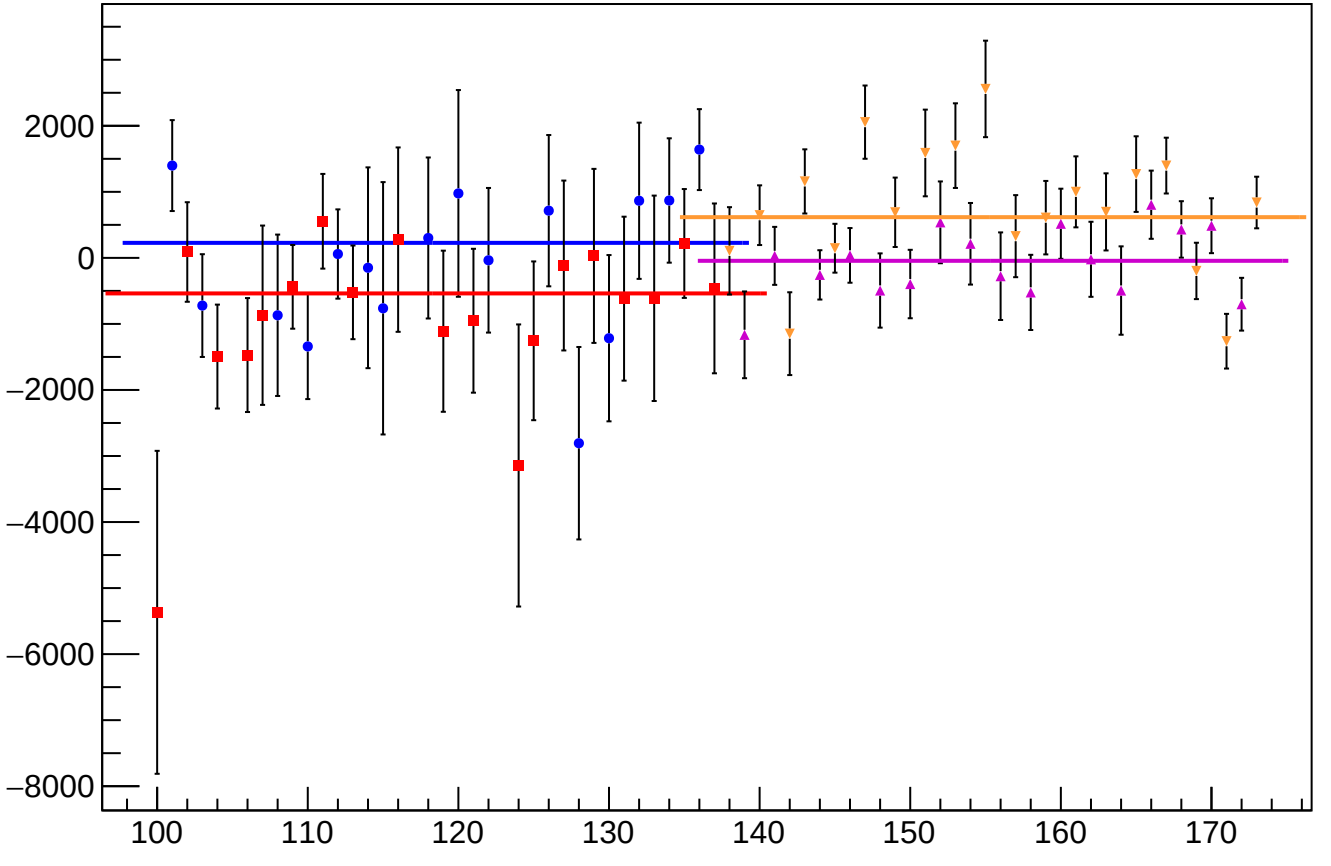
Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 49.456+/-0.008 χ^2/NDF:946812.5/32

Out: 49.502+/-0.008 χ^2/NDF:1091248.4/37

All: 49.480+/-0.005 χ^2/NDF: 2038079.6/70

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 616.624+/-116.628 χ^2/NDF:60.2/18

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -44.372+/-121.141 χ^2/NDF:16.1/16

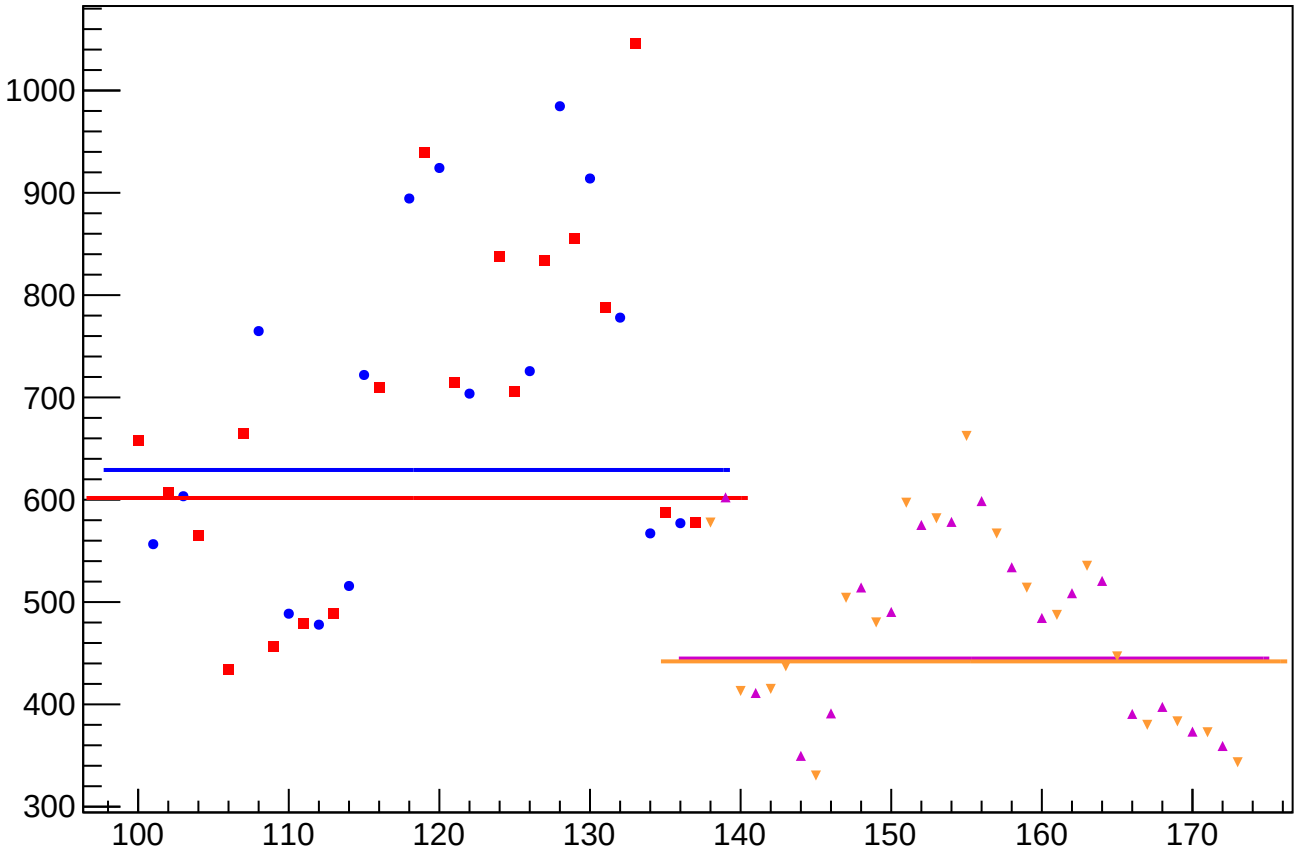
Left: 298.666+/-84.019 χ^2/NDF: 91.8/35

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: 10.393+/-108.257 χ^2/NDF:38.8/32

Out: 378.389+/-103.903 χ^2/NDF:93.8/37

All: 201.939+/-74.963 χ^2/NDF: 138.6/70



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 442.020+/-0.082 χ^2/NDF:1147138.4/18

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 444.786+/-0.086 χ^2/NDF:934504.3/16

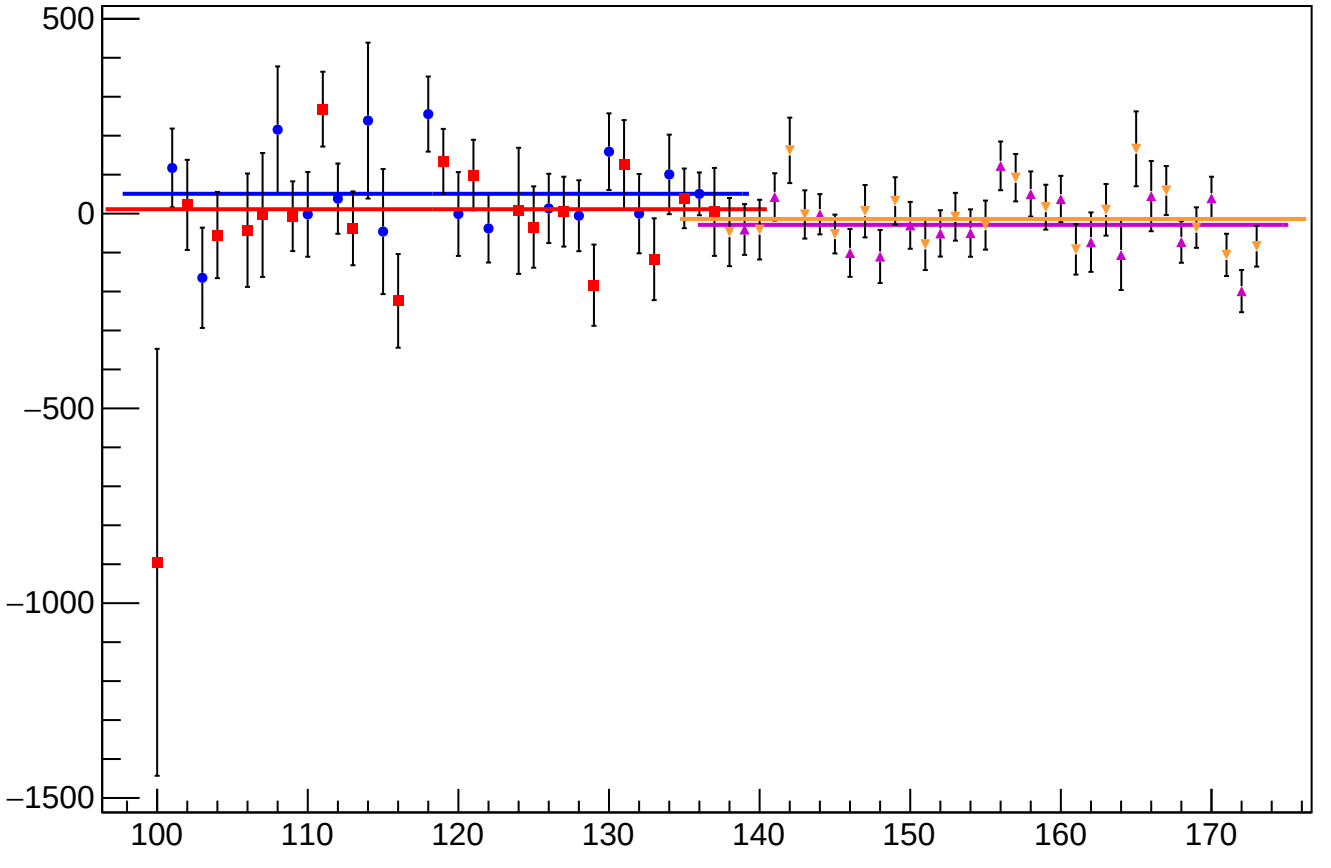
Left: 443.351+/-0.059 χ^2/NDF: 2082184.0/35

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 481.907+/-0.077 χ^2/NDF:2559671.6/32

Out: 474.968+/-0.073 χ^2/NDF:2794851.1/37

All: 478.295+/-0.053 χ^2/NDF: 5358800.0/70



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -13.726+/-14.398 χ^2/NDF:21.6/18

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -28.793+/-14.964 χ^2/NDF:27.5/16

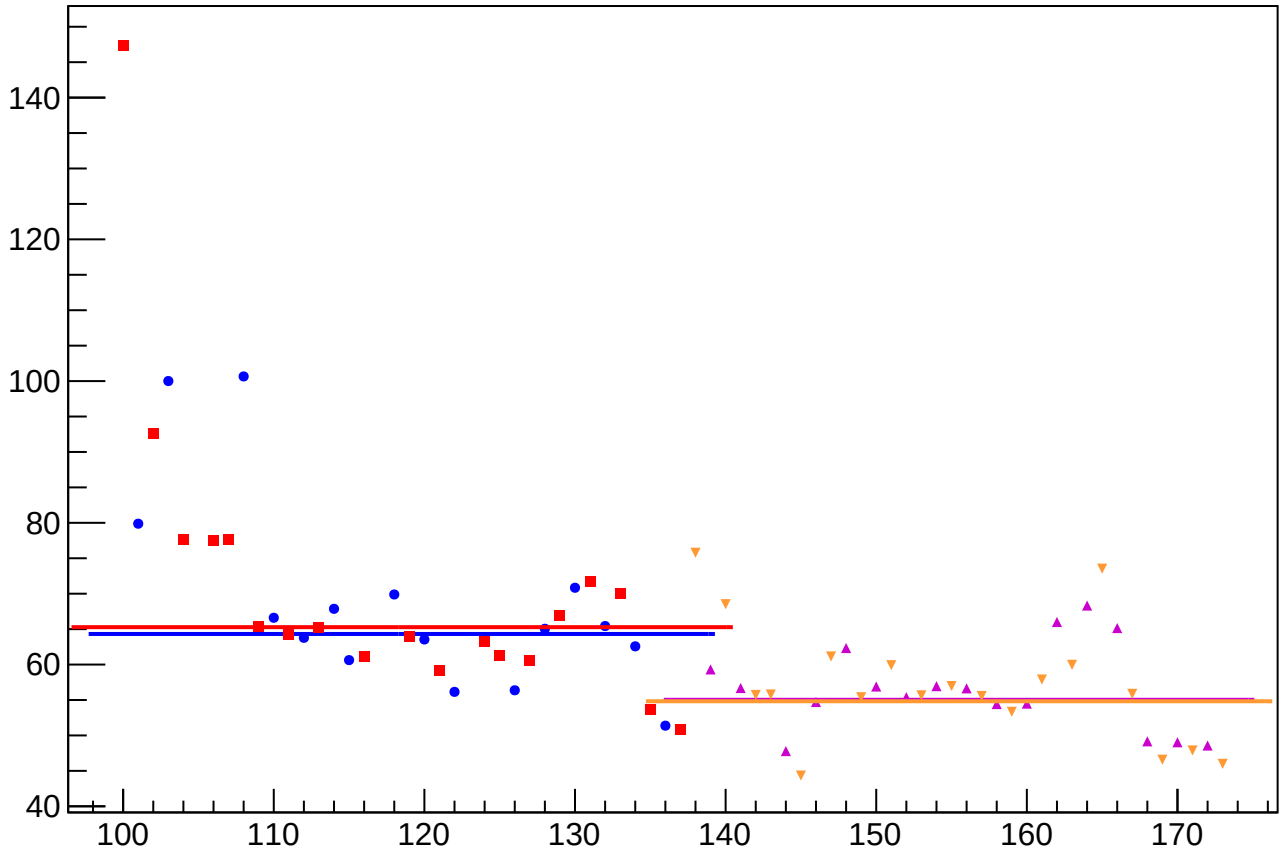
Left: -20.969+/-10.375 χ^2/NDF: 49.7/35

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: -7.142+/-12.769 χ^2/NDF:49.0/32

Out: -7.243+/-12.390 χ^2/NDF:46.4/37

All: -7.194+/-8.892 χ^2/NDF: 95.5/70



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 54.822+/-0.010 χ^2/NDF:534891.0/18

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 55.029+/-0.011 χ^2/NDF:264534.5/16

Left: 54.922+/-0.007 χ^2/NDF: 799624.0/35

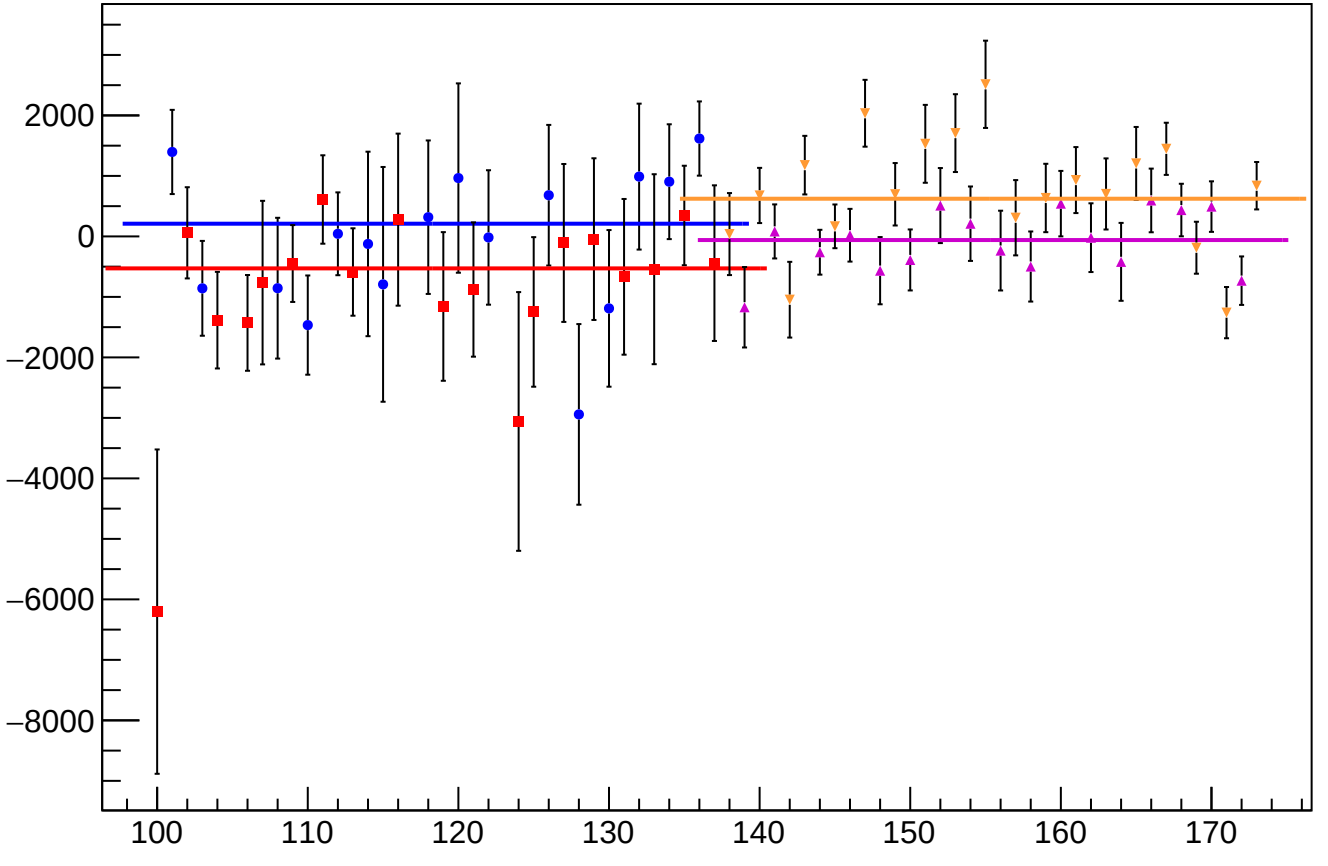
Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 57.554+/-0.009 χ^2/NDF:938923.4/32

Out: 57.535+/-0.009 χ^2/NDF:1127668.8/37

All: 57.544+/-0.006 χ^2/NDF: 2066594.5/70

asym_sam_15_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 622.949+/-117.170 χ^2/NDF:57.9/18

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -60.118+/-121.885 χ^2/NDF:15.1/16

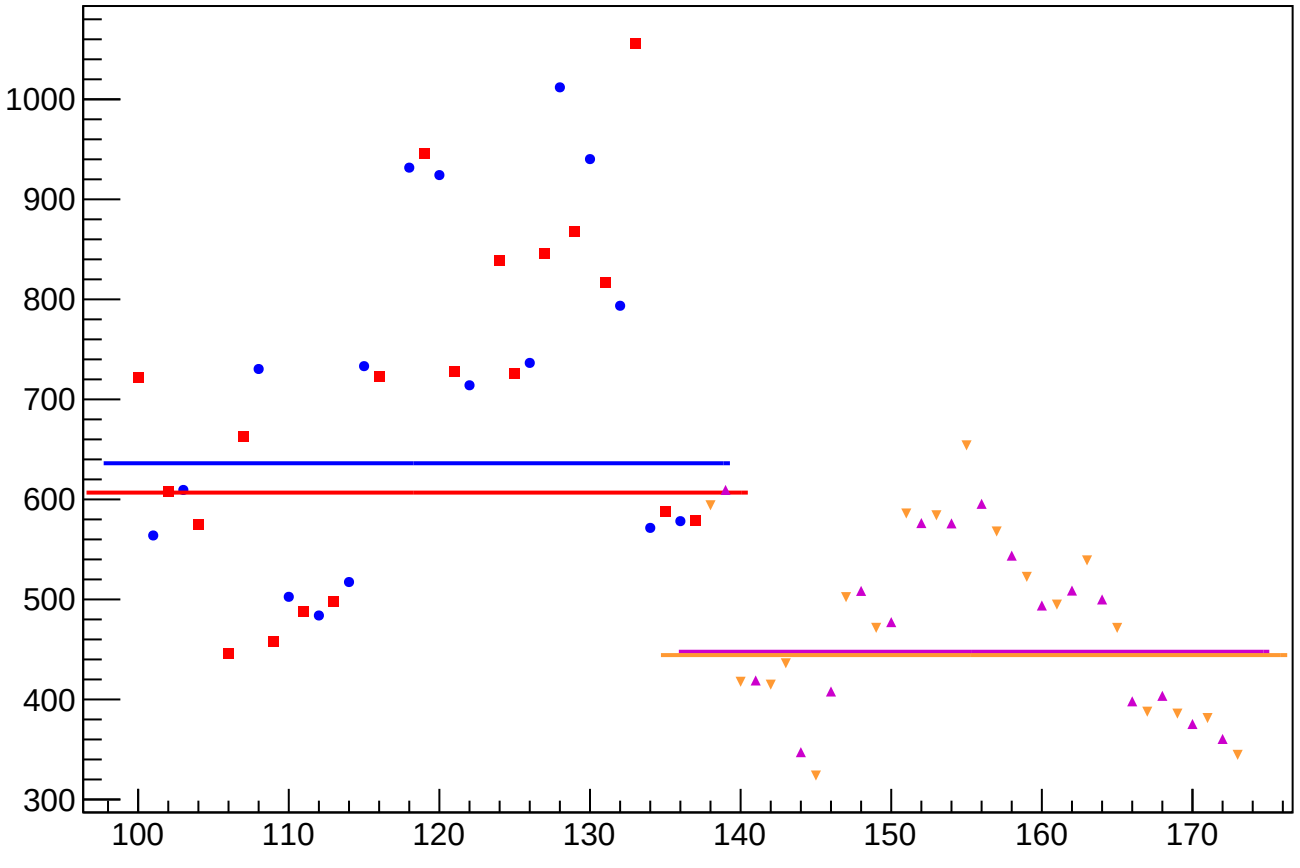
Left: 294.882+/-84.470 χ^2/NDF: 89.3/35

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -6.101+/-109.020 χ^2/NDF:38.5/32

Out: 385.130+/-104.373 χ^2/NDF:91.6/37

All: 198.030+/-75.392 χ^2/NDF: 136.9/70



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 444.351+/-0.083 χ^2/NDF:1154694.5/18

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 447.695+/-0.086 χ^2/NDF:893475.5/16

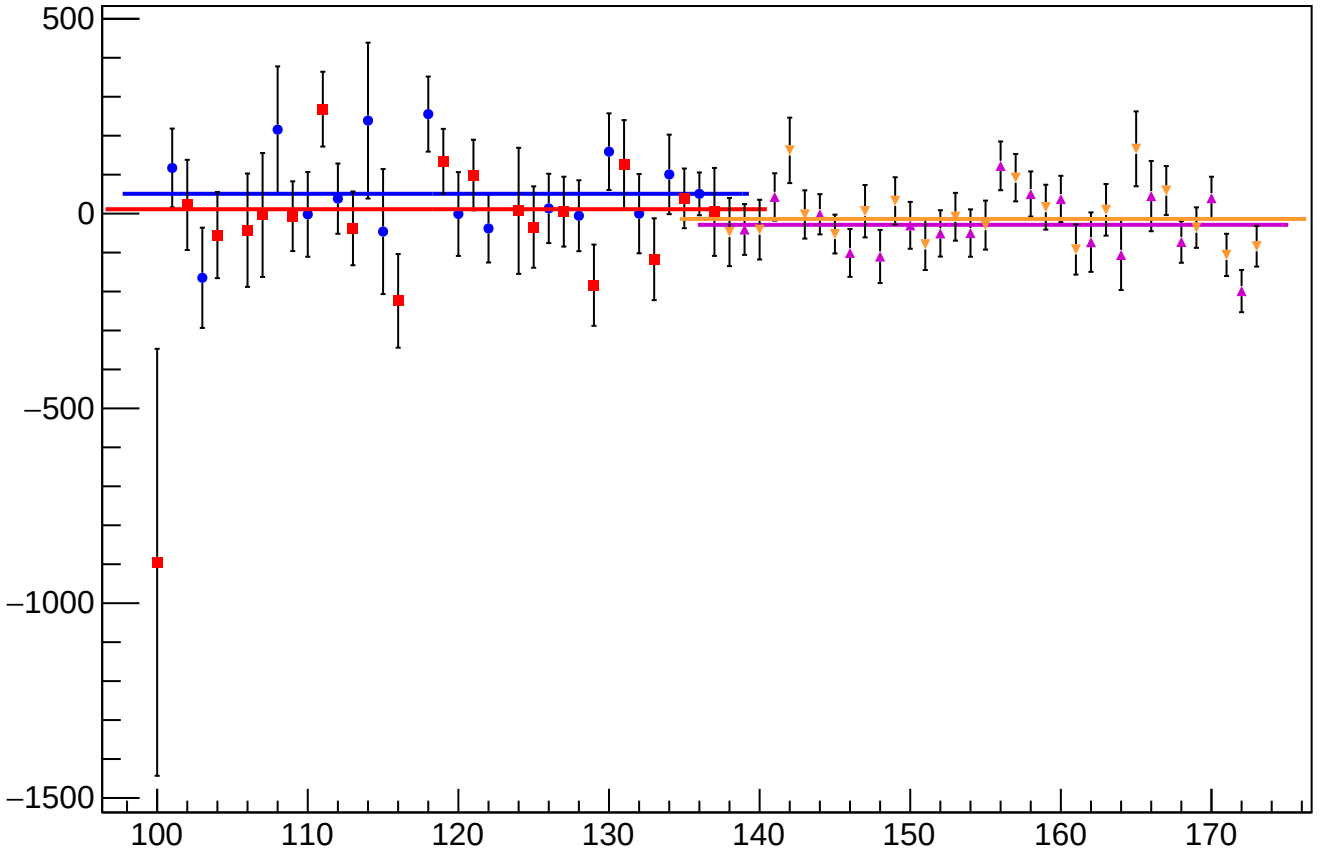
Left: 445.957+/-0.060 χ^2/NDF: 2048952.7/35

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 485.378+/-0.077 χ^2/NDF:2554733.6/32

Out: 477.898+/-0.074 χ^2/NDF:2842502.2/37

All: 481.476+/-0.053 χ^2/NDF: 5402148.2/70



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -13.727+/-14.398 χ^2/NDF:21.6/18

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -28.793+/-14.964 χ^2/NDF:27.5/16

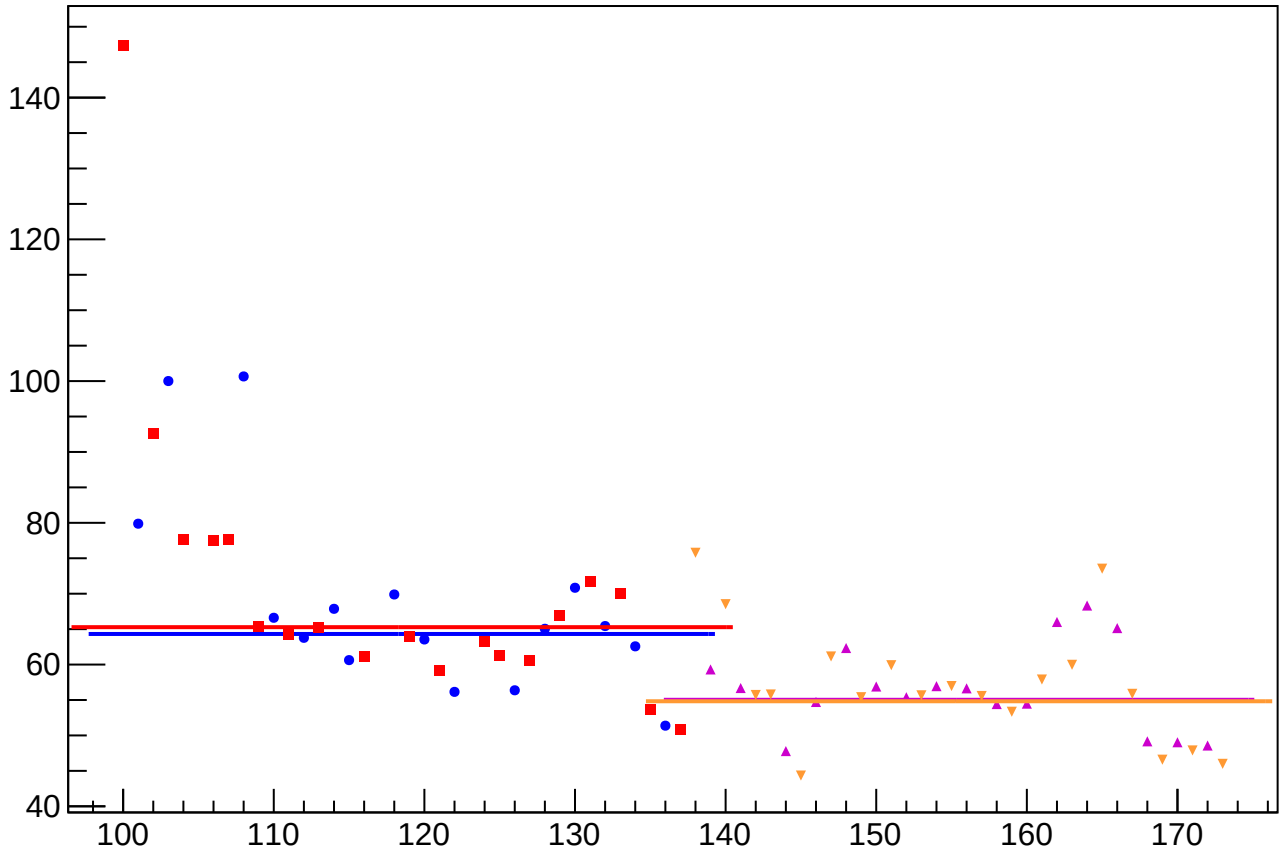
Left: -20.970+/-10.375 χ^2/NDF: 49.7/35

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: -7.142+/-12.769 χ^2/NDF:49.0/32

Out: -7.244+/-12.390 χ^2/NDF:46.4/37

All: -7.195+/-8.892 χ^2/NDF: 95.5/70



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 54.822+/-0.010 χ^2/NDF:534880.1/18

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 55.029+/-0.011 χ^2/NDF:264533.4/16

Left: 54.922+/-0.007 χ^2/NDF: 799612.0/35

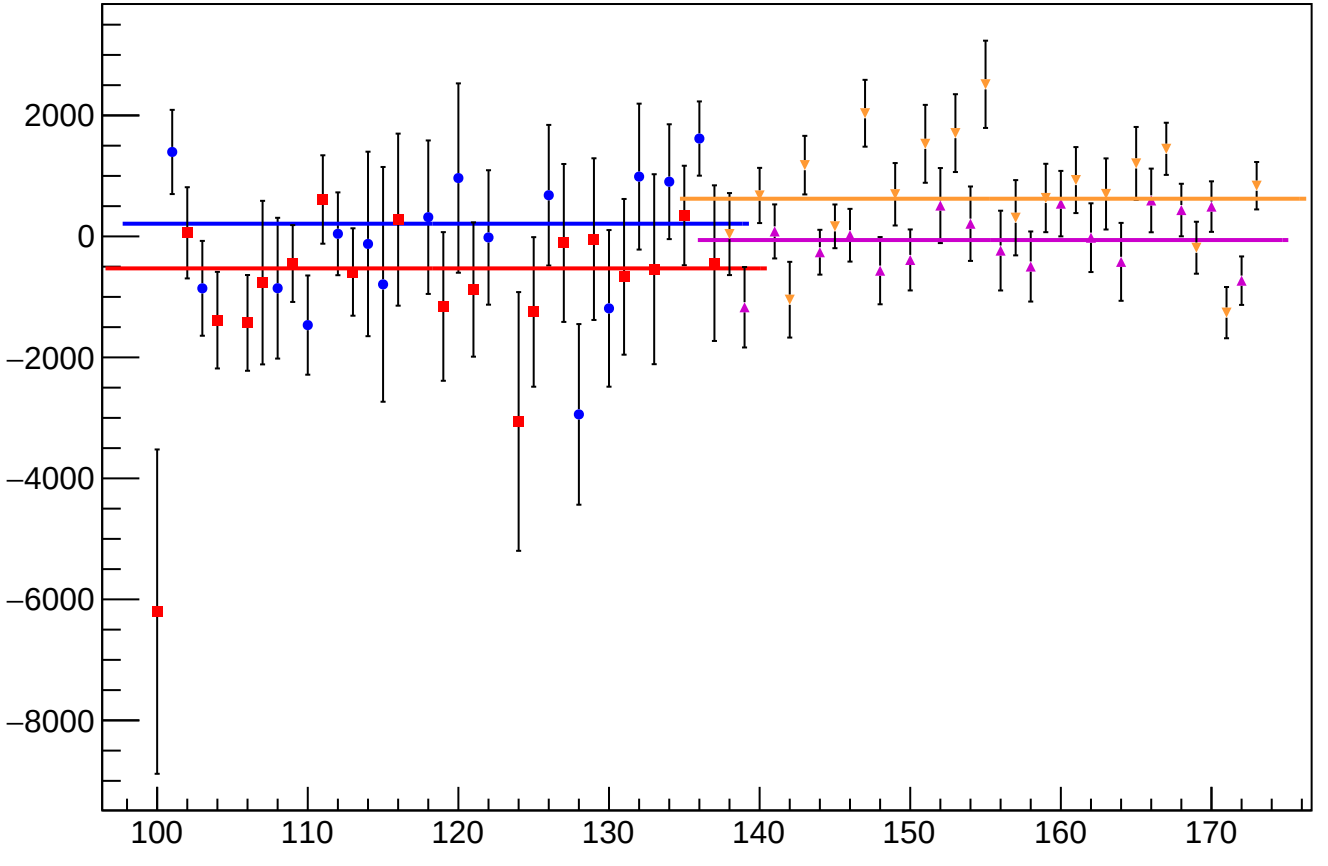
Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 57.554+/-0.009 χ^2/NDF:938913.7/32

Out: 57.535+/-0.009 χ^2/NDF:1127647.4/37

All: 57.544+/-0.006 χ^2/NDF: 2066563.4/70

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 622.948+/-117.170 χ^2/NDF:57.9/18

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: -60.118+/-121.885 χ^2/NDF:15.1/16

Left: 294.882+/-84.469 χ^2/NDF: 89.3/35

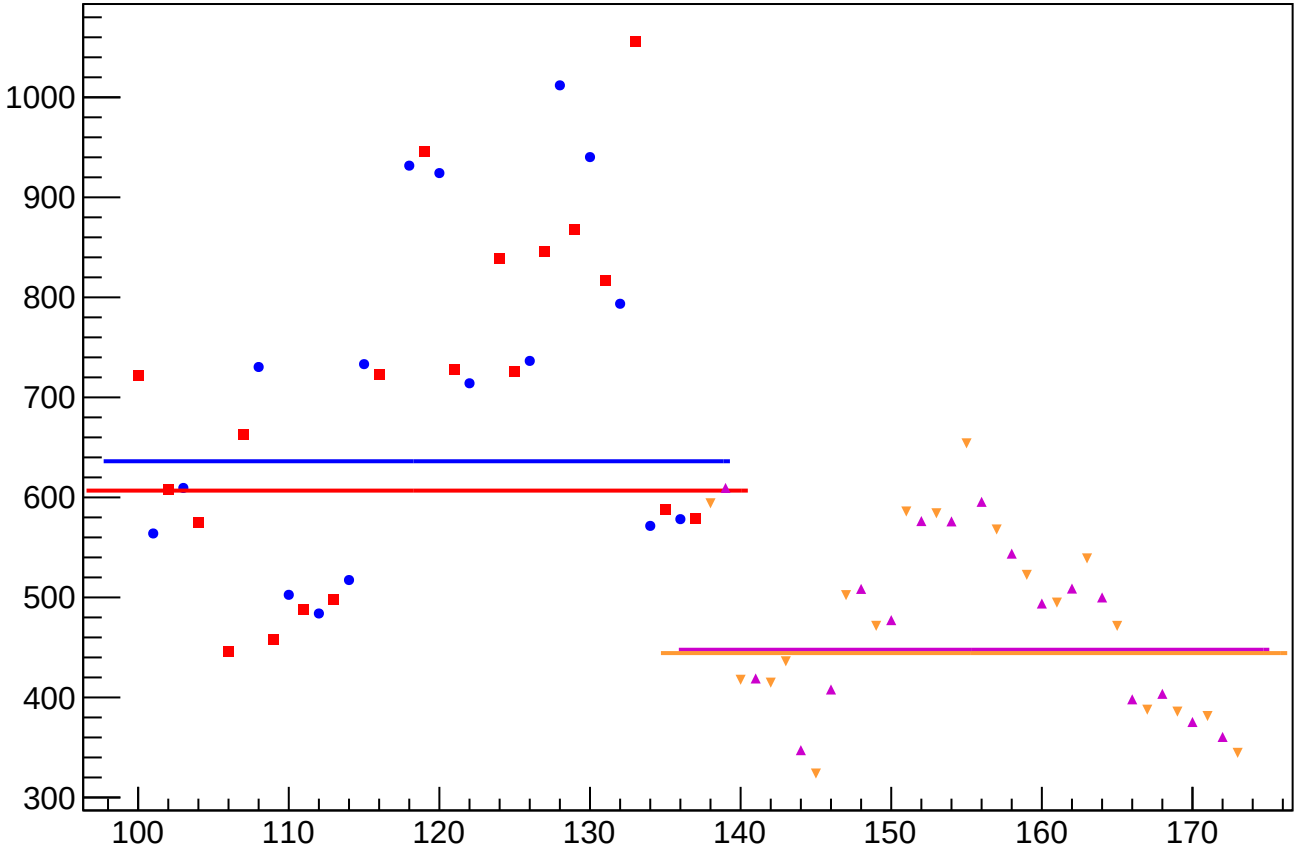
Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -6.101+/-109.020 χ^2/NDF:38.5/32

Out: 385.130+/-104.373 χ^2/NDF:91.6/37

All: 198.030+/-75.392 χ^2/NDF: 136.9/70

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 444.350+/-0.083 χ^2/NDF:1154703.3/18

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 447.695+/-0.086 χ^2/NDF:893480.6/16

Left: 445.956+/-0.060 χ^2/NDF: 2048966.6/35

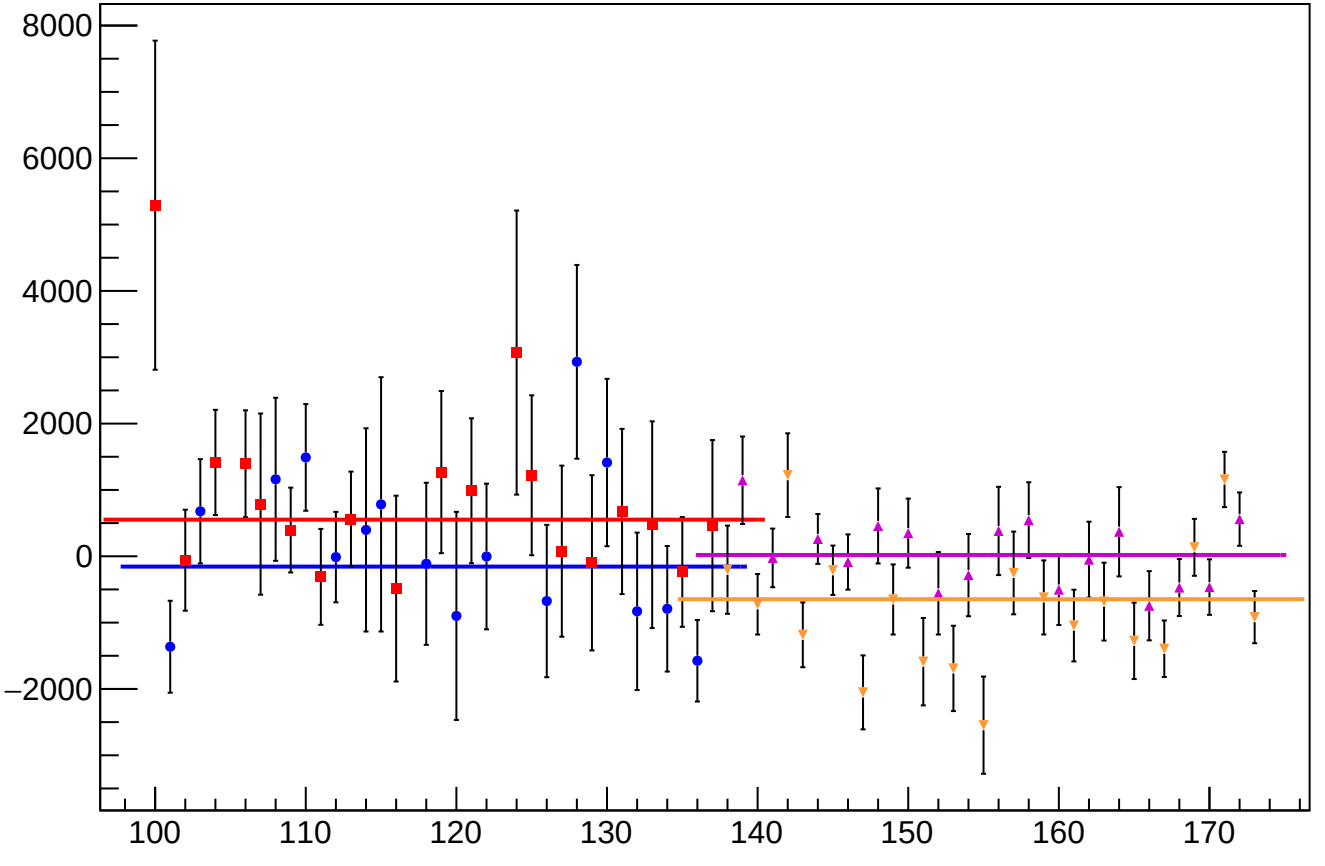
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 485.377+/-0.077 χ^2/NDF:2554746.7/32

Out: 477.898+/-0.074 χ^2/NDF:2842517.2/37

All: 481.475+/-0.053 χ^2/NDF: 5402176.3/70

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -647.045+/-117.324 χ^2/NDF:57.3/18

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 19.861+/-121.862 χ^2/NDF:14.5/16

Left: -326.239+/-84.519 χ^2/NDF: 87.4/35

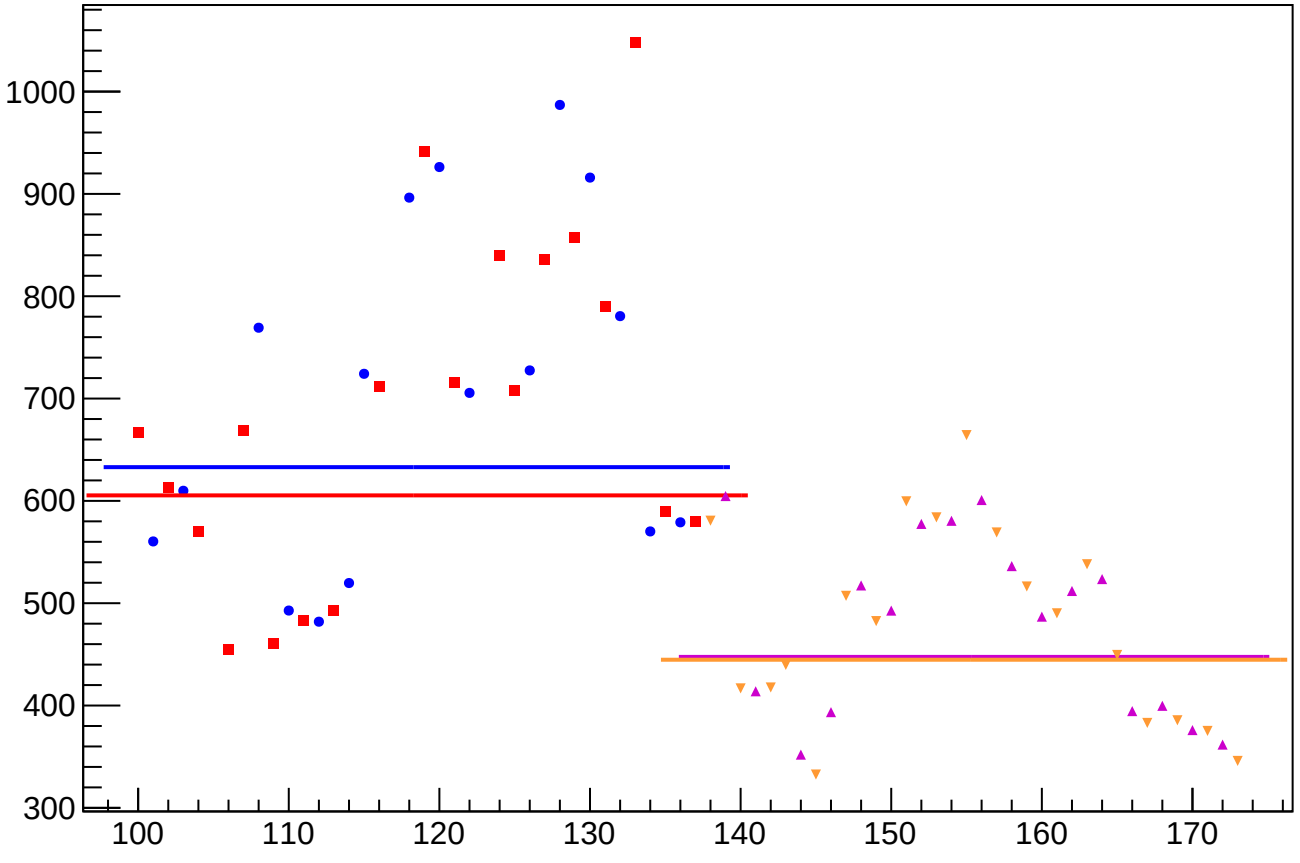
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: -15.503+/-108.895 χ^2/NDF:37.4/32

Out: -397.524+/-104.407 χ^2/NDF:91.2/37

All: -214.547+/-75.364 χ^2/NDF: 135.0/70

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 444.762+/-0.083 χ^2/NDF:1134915.2/18

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 447.531+/-0.086 χ^2/NDF:923600.0/16

Left: 446.094+/-0.060 χ^2/NDF: 2059051.2/35

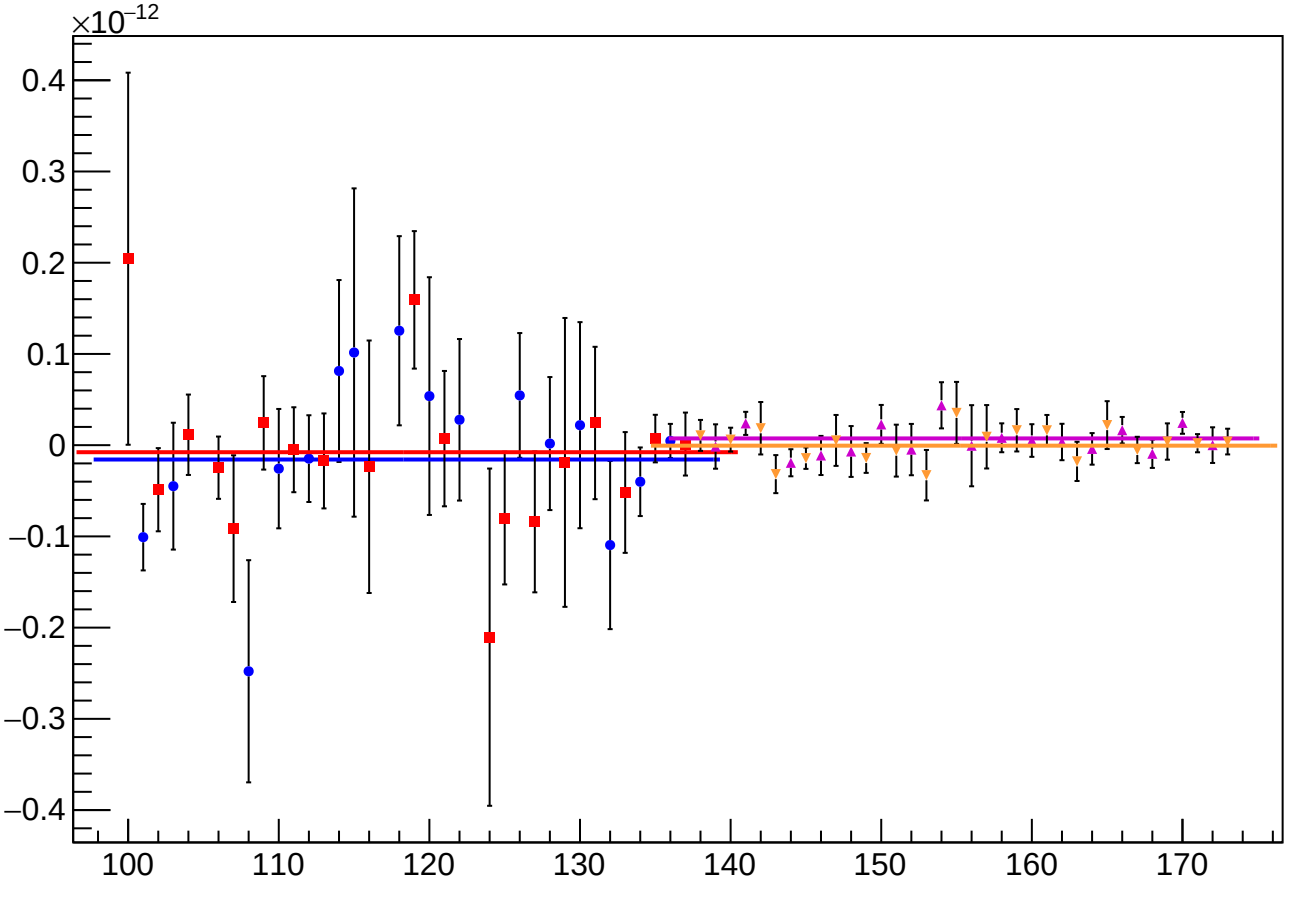
Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 484.894+/-0.077 χ^2/NDF:2537842.8/32

Out: 478.180+/-0.074 χ^2/NDF:2768766.6/37

All: 481.396+/-0.053 χ^2/NDF: 5310570.8/70

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.1/16

Left: 0.000+/-0.000 χ^2/NDF: 26.2/35

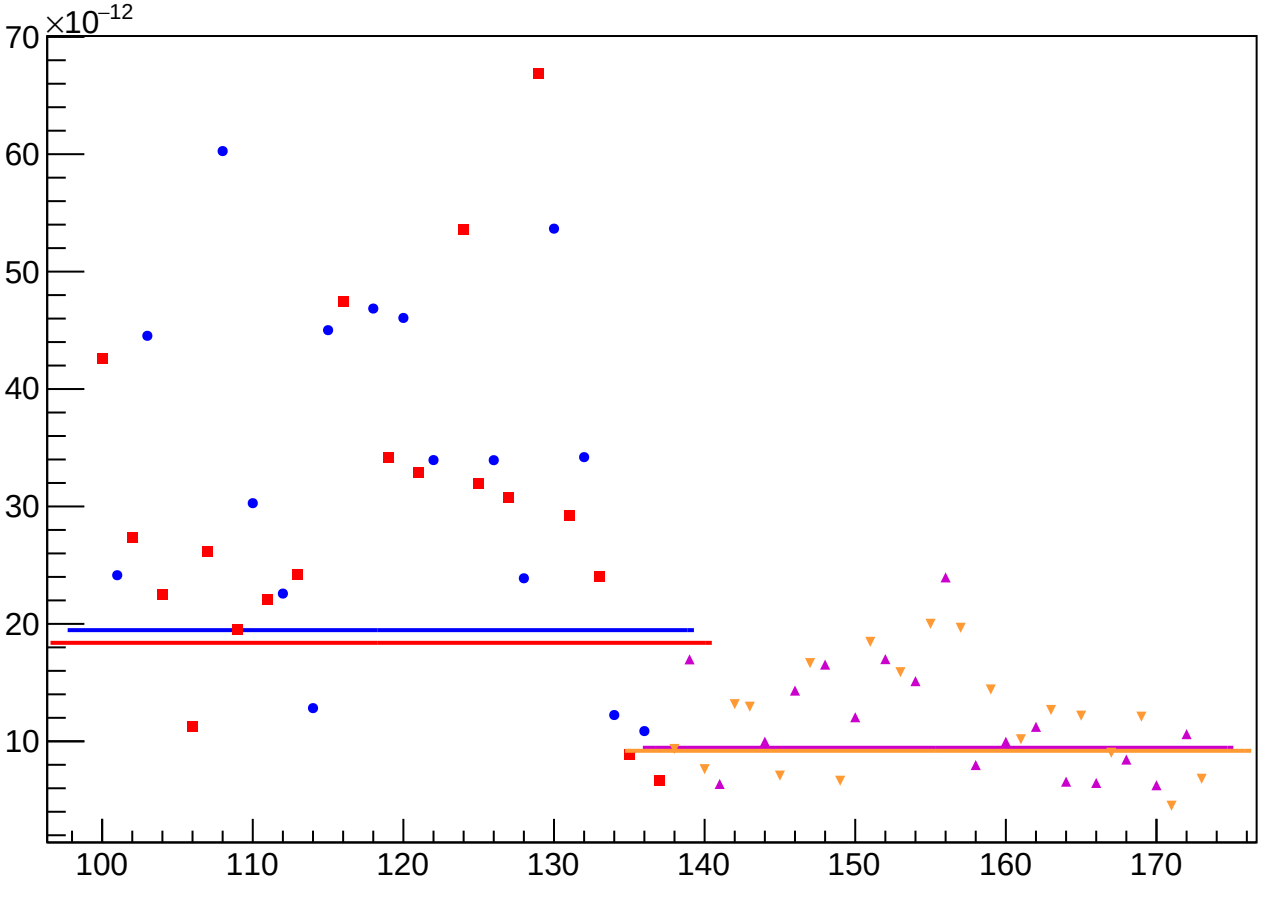
Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:33.0/32

Out: -0.000+/-0.000 χ^2/NDF:24.6/37

All: 0.000+/-0.000 χ^2/NDF: 58.8/70

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1829706.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1365426.6/16

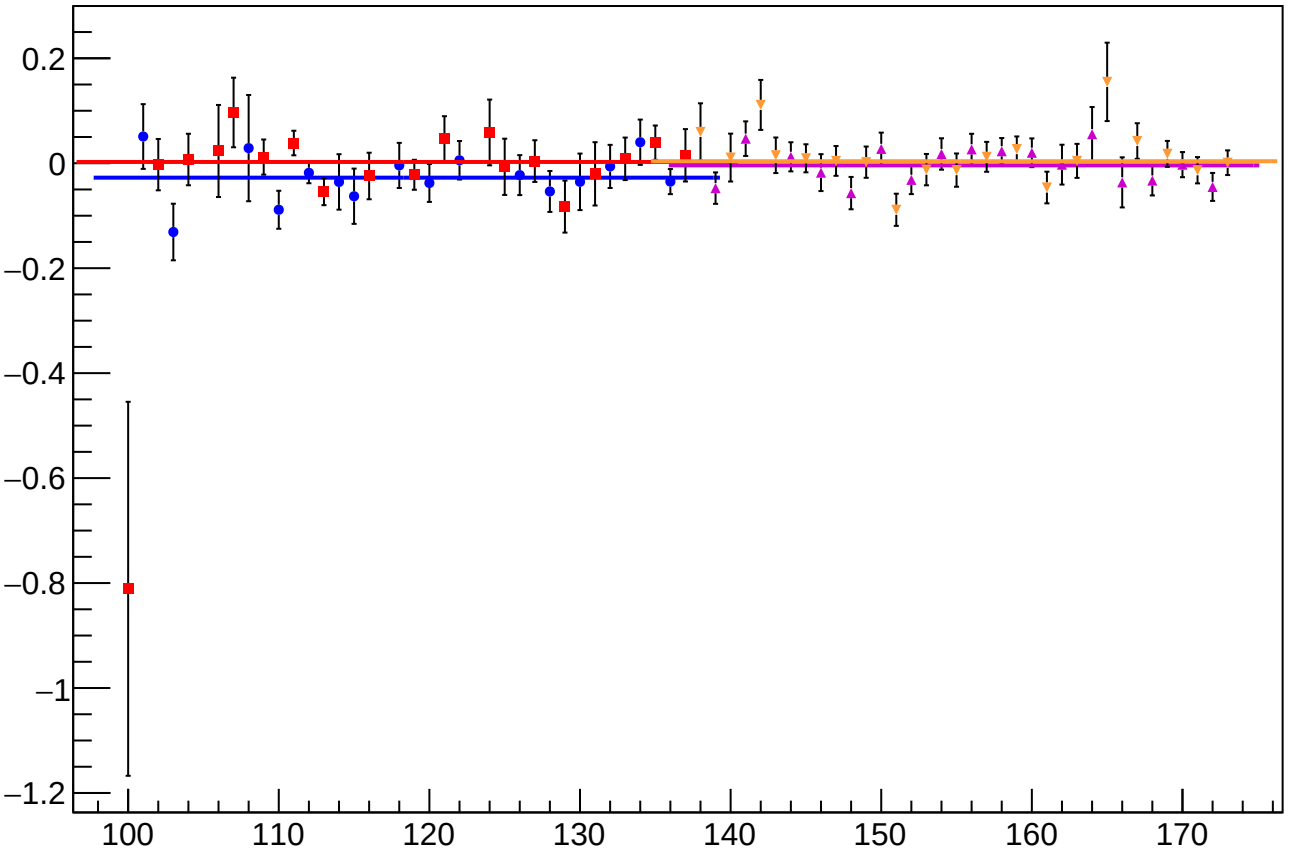
Left: 0.000+/-0.000 χ^2/NDF: 3198846.5/35

Right: 0.000+/-0.000 χ^2/NDF: 3187950.4/34

In: 0.000+/-0.000 χ^2/NDF:4229299.6/32

Out: 0.000+/-0.000 χ^2/NDF:4303074.0/37

All: 0.000+/-0.000 χ^2/NDF: 8542491.3/70



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:26.0/18

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.004+/-0.007 χ^2/NDF:18.7/16

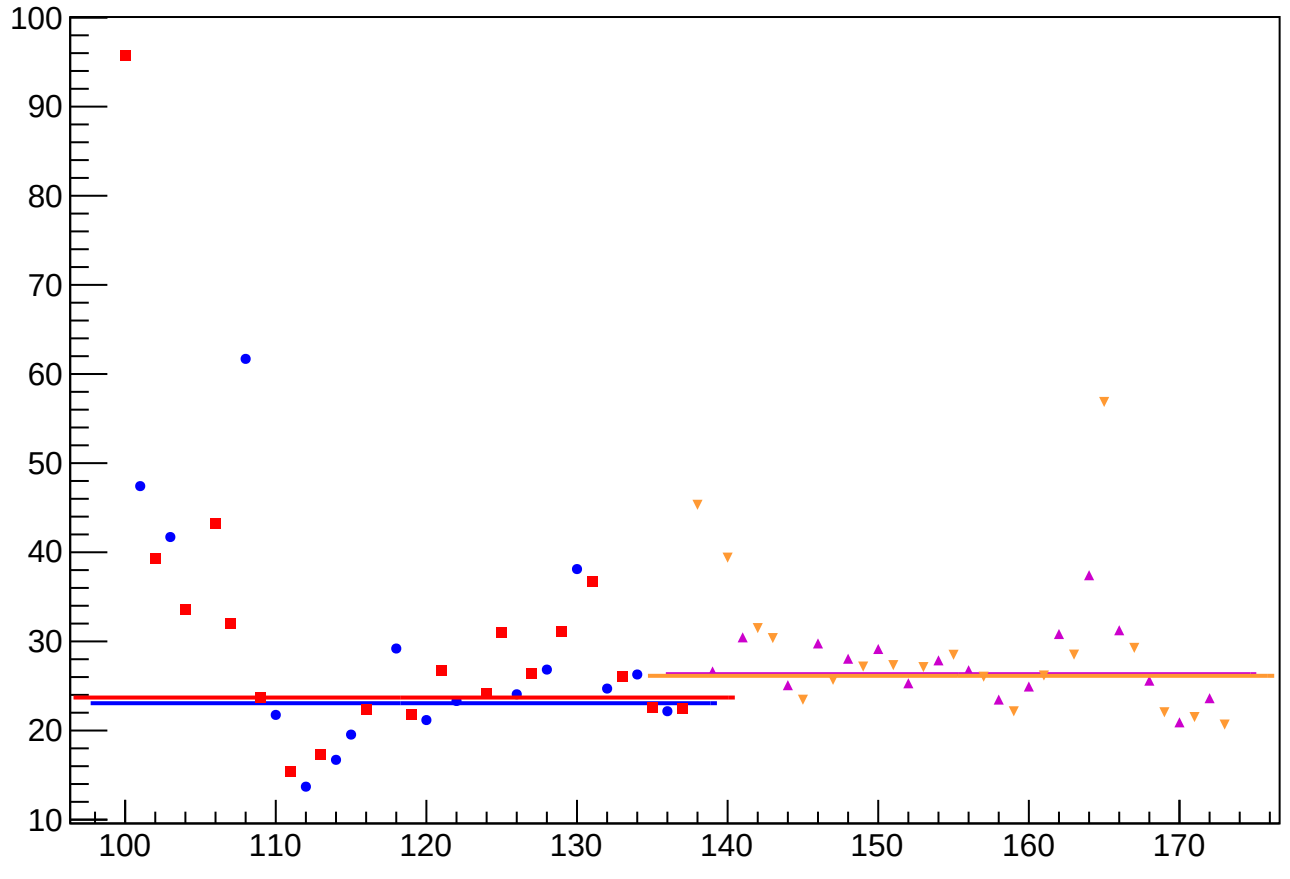
Left: 0.000+/-0.005 χ^2/NDF: 45.3/35

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:36.2/32

Out: 0.003+/-0.006 χ^2/NDF:48.1/37

All: -0.005+/-0.004 χ^2/NDF: 88.4/70



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.140+/-0.005 χ^2/NDF:1164967.9/18

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.323+/-0.005 χ^2/NDF:382404.1/16

Left: 26.228+/-0.004 χ^2/NDF: 1548023.1/35

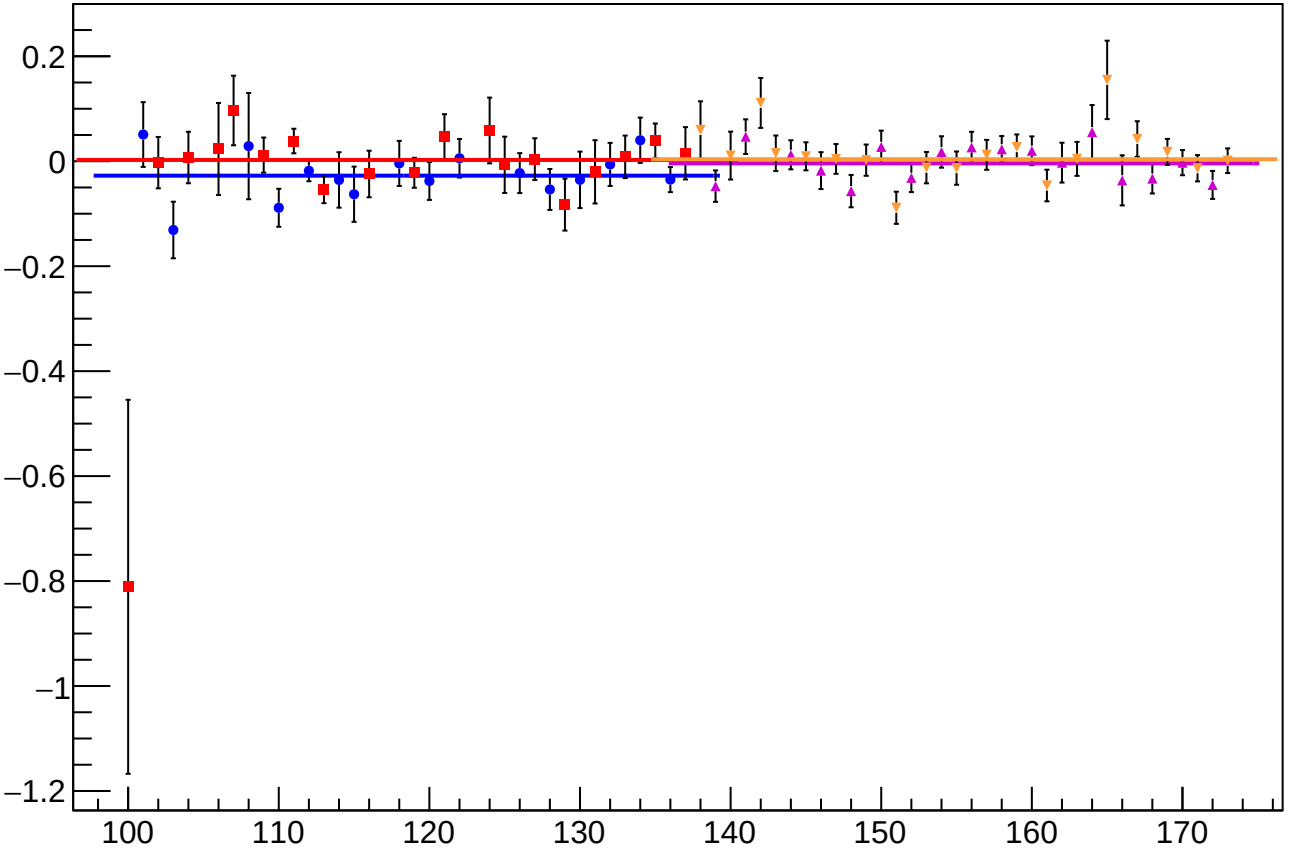
Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.092+/-0.004 χ^2/NDF:2096506.7/32

Out: 25.251+/-0.004 χ^2/NDF:2340902.6/37

All: 25.174+/-0.003 χ^2/NDF: 4438184.5/70

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:26.0/18

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.004+/-0.007 χ^2/NDF:18.7/16

Left: 0.000+/-0.005 χ^2/NDF: 45.3/35

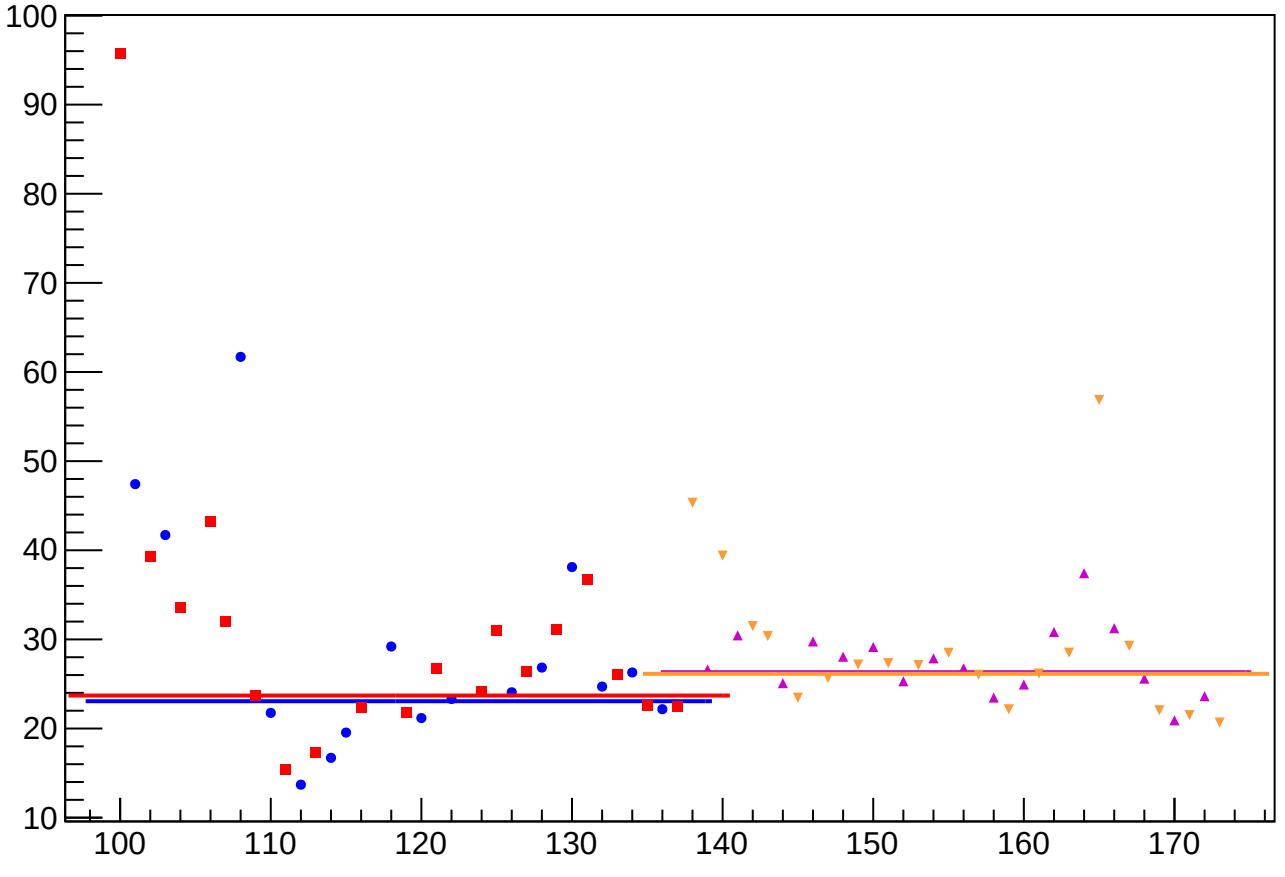
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:36.2/32

Out: 0.003+/-0.006 χ^2/NDF:48.1/37

All: -0.005+/-0.004 χ^2/NDF: 88.4/70

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.140+/-0.005 χ^2/NDF:1164967.9/18

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.323+/-0.005 χ^2/NDF:382404.1/16

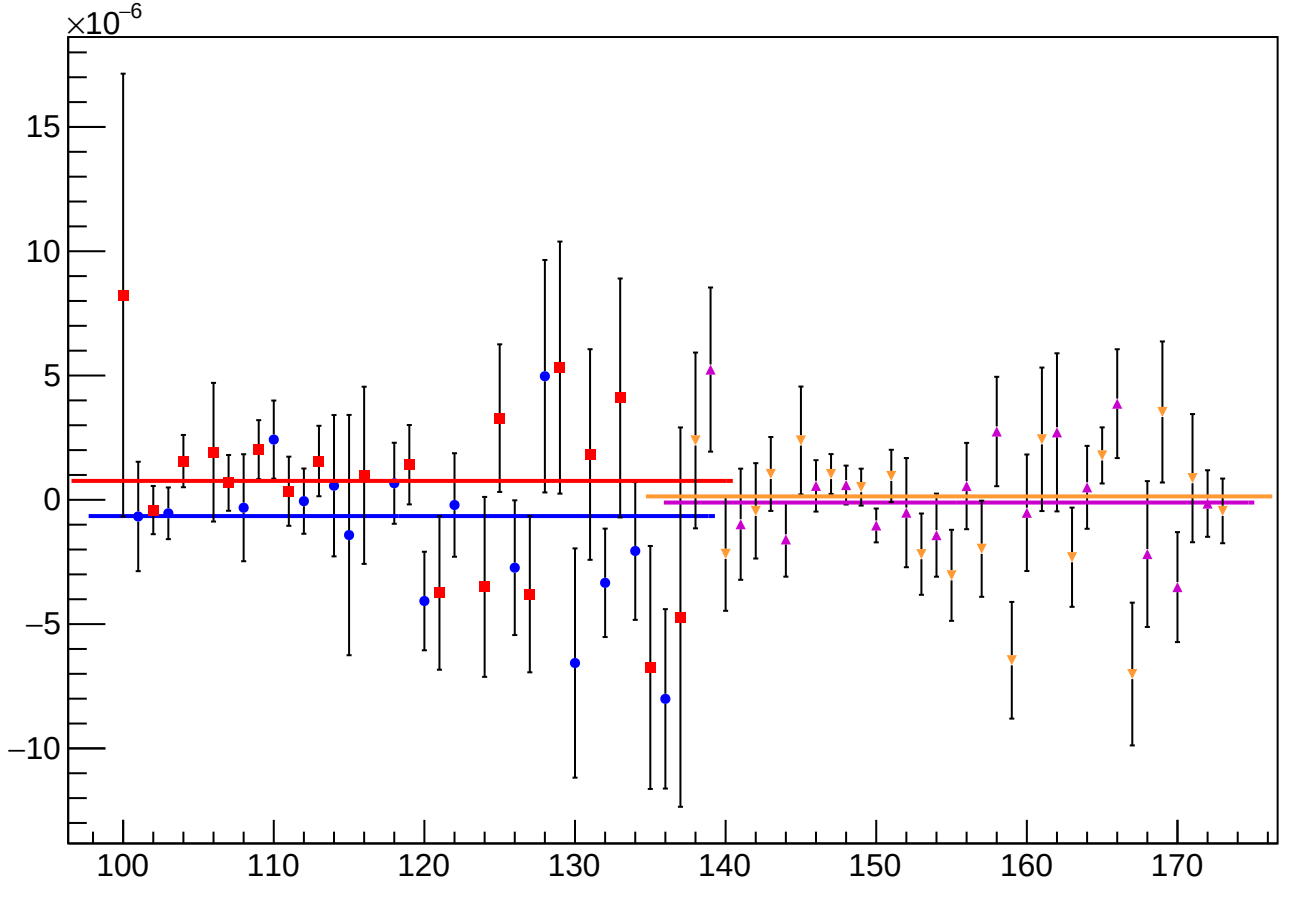
Left: 26.228+/-0.004 χ^2/NDF: 1548023.1/35

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.092+/-0.004 χ^2/NDF:2096506.7/32

Out: 25.251+/-0.004 χ^2/NDF:2340902.6/37

All: 25.174+/-0.003 χ^2/NDF: 4438184.5/70



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:16.4/16

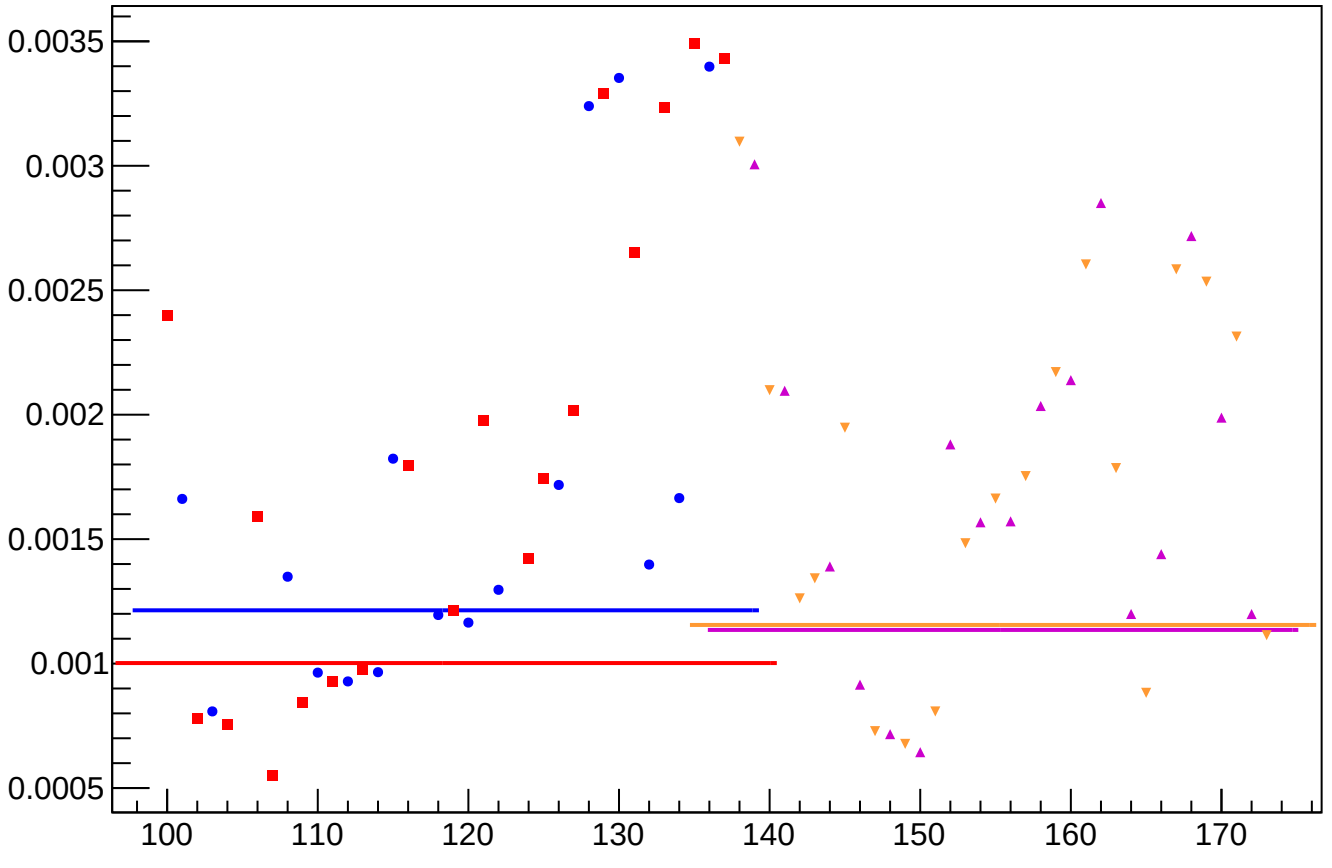
Left: 0.000+/-0.000 χ^2/NDF: 48.0/35

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:34.8/32

Out: 0.000+/-0.000 χ^2/NDF:47.9/37

All: 0.000+/-0.000 χ^2/NDF: 85.7/70



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:5855433.7/18

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:5473499.6/16

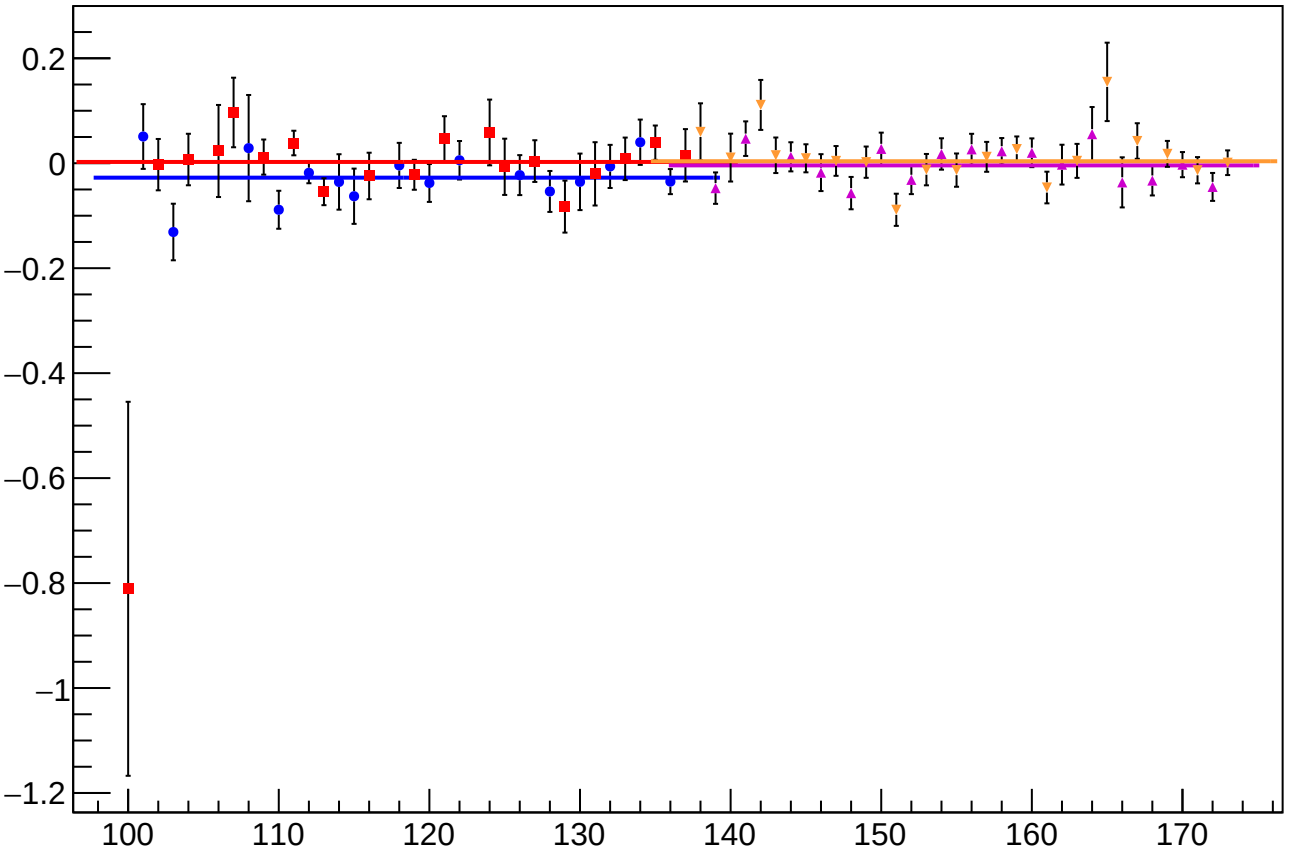
Left: 0.001+/-0.000 χ^2/NDF: 11332350.1/35

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:7774497.2/32

Out: 0.001+/-0.000 χ^2/NDF:9294360.9/37

All: 0.001+/-0.000 χ^2/NDF: 17126727.6/70



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:26.0/18

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.004+/-0.007 χ^2/NDF:18.7/16

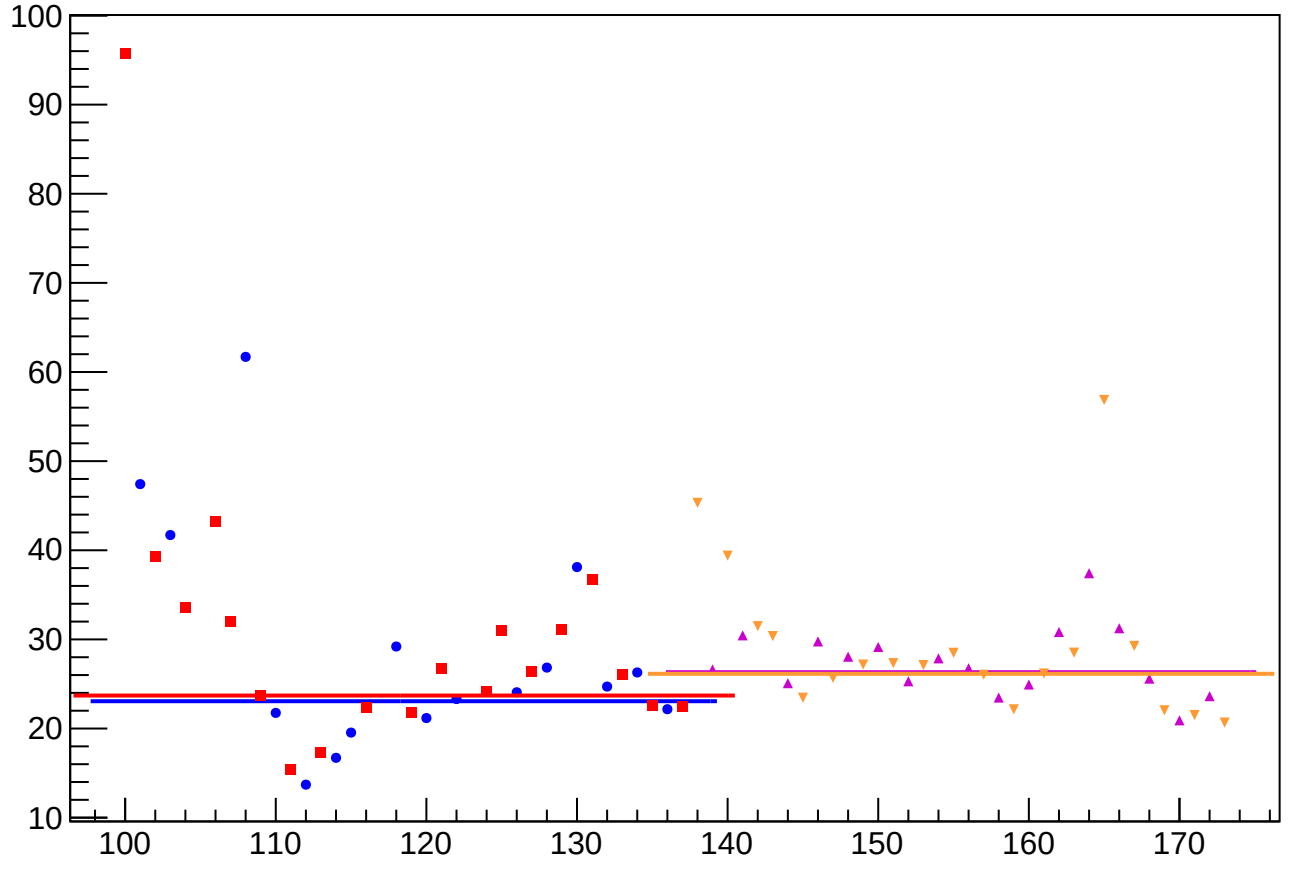
Left: 0.000+/-0.005 χ^2/NDF: 45.3/35

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:36.2/32

Out: 0.003+/-0.006 χ^2/NDF:48.1/37

All: -0.005+/-0.004 χ^2/NDF: 88.4/70



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.140+/-0.005 χ^2/NDF:1164922.7/18

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.323+/-0.005 χ^2/NDF:382406.8/16

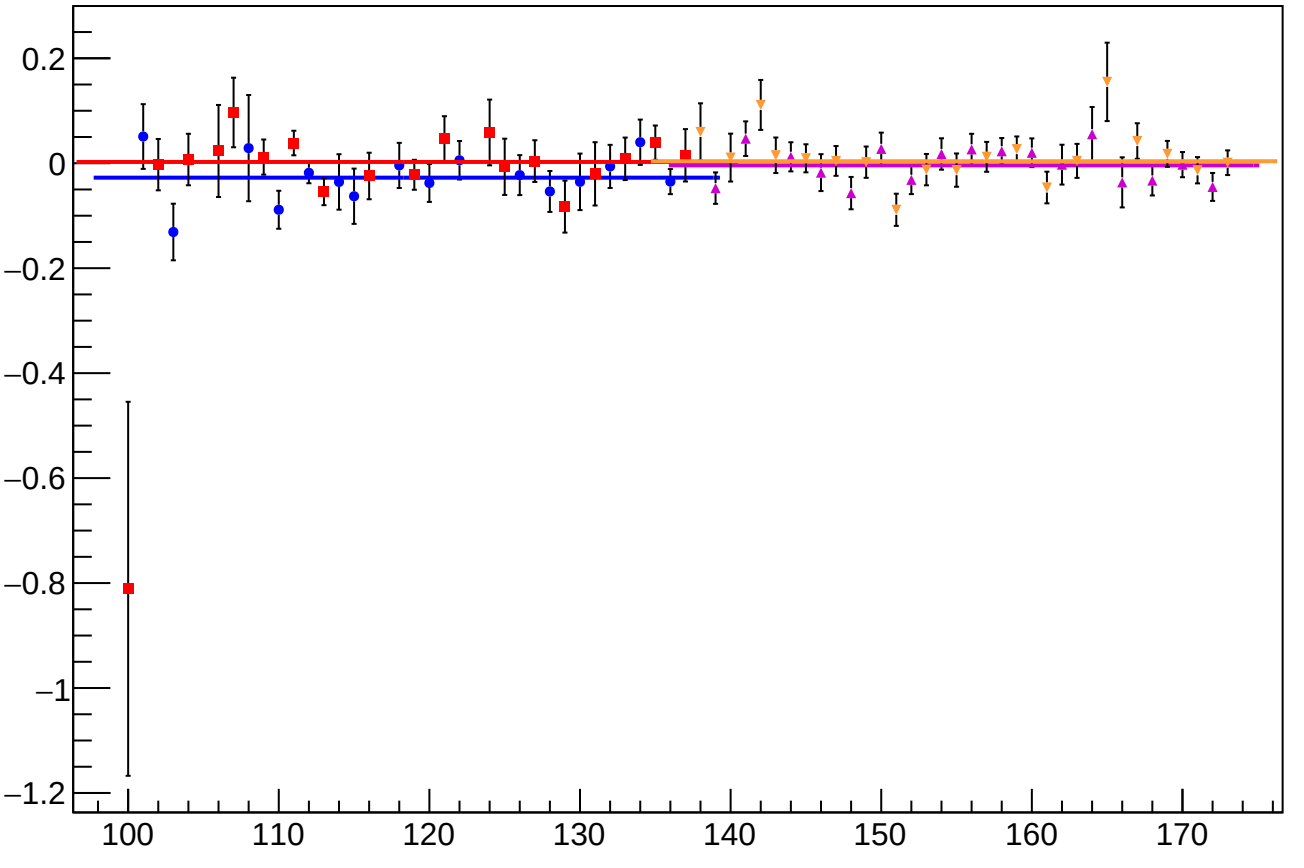
Left: 26.228+/-0.004 χ^2/NDF: 1547979.8/35

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.092+/-0.004 χ^2/NDF:2096561.6/32

Out: 25.251+/-0.004 χ^2/NDF:2340935.8/37

All: 25.174+/-0.003 χ^2/NDF: 4438273.2/70



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:26.0/18

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.004+/-0.007 χ^2/NDF:18.7/16

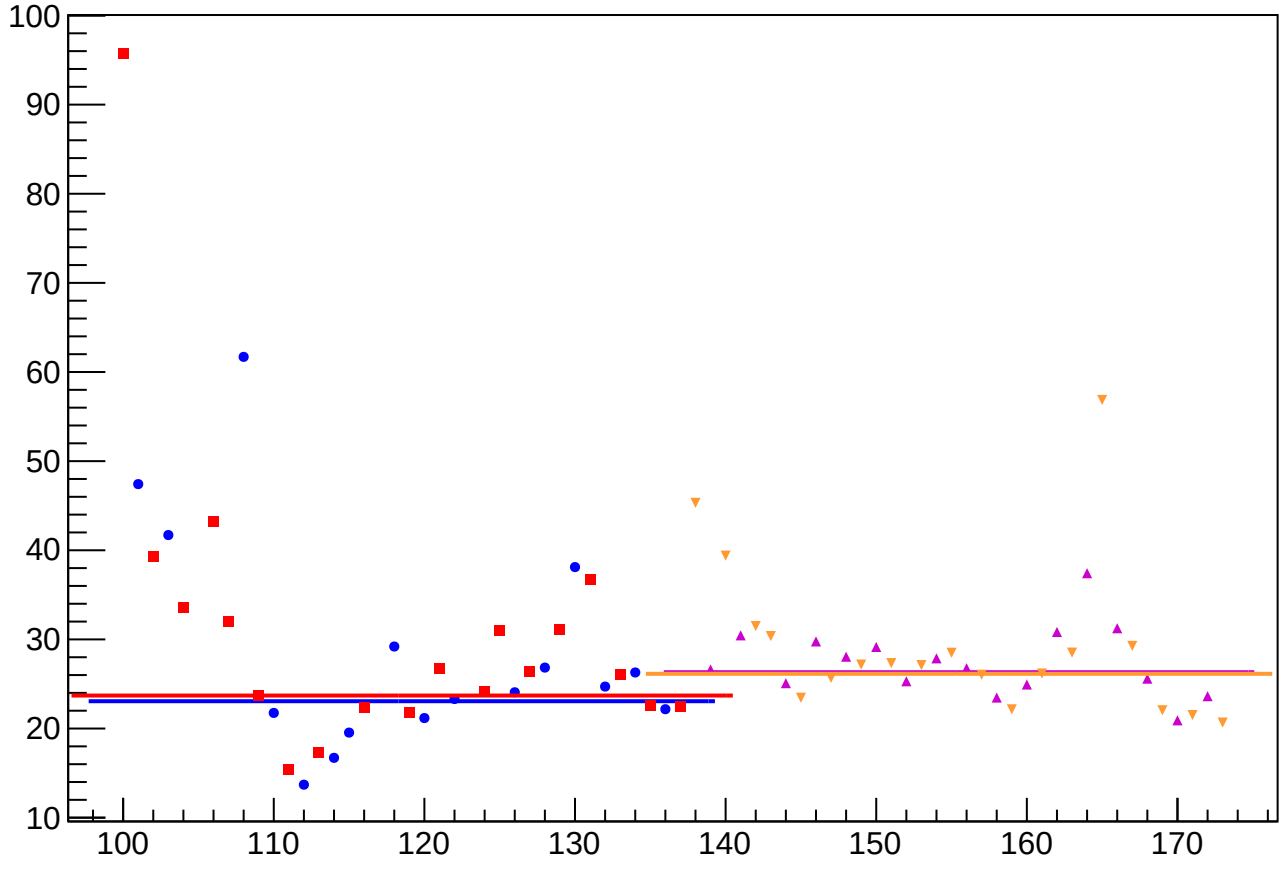
Left: 0.000+/-0.005 χ^2/NDF: 45.3/35

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:36.2/32

Out: 0.003+/-0.006 χ^2/NDF:48.1/37

All: -0.005+/-0.004 χ^2/NDF: 88.4/70



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.140+/-0.005 χ^2/NDF:1164922.7/18

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.323+/-0.005 χ^2/NDF:382406.8/16

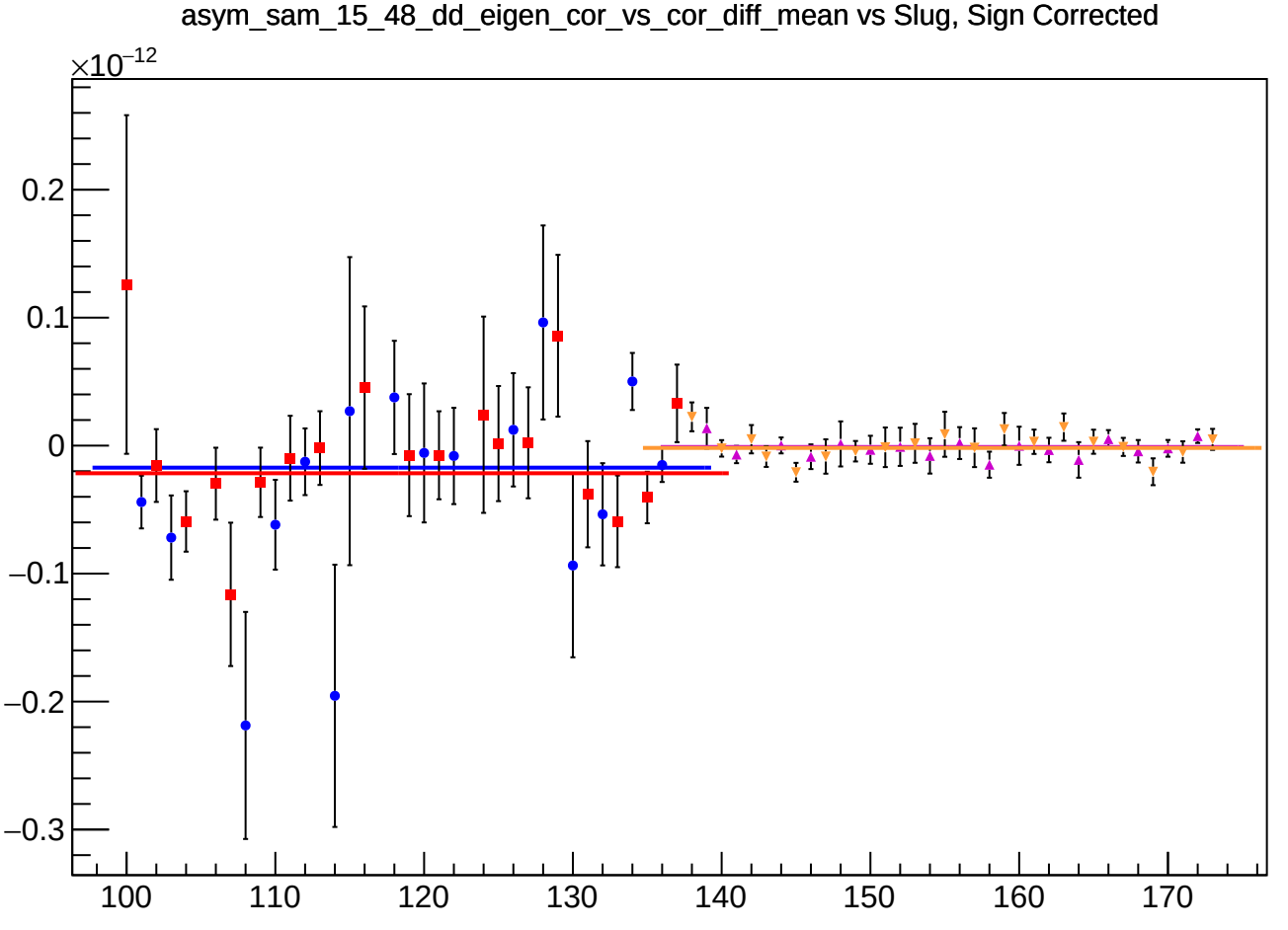
Left: 26.228+/-0.004 χ^2/NDF: 1547979.8/35

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.092+/-0.004 χ^2/NDF:2096561.6/32

Out: 25.251+/-0.004 χ^2/NDF:2340935.8/37

All: 25.174+/-0.003 χ^2/NDF: 4438273.2/70



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.5/16

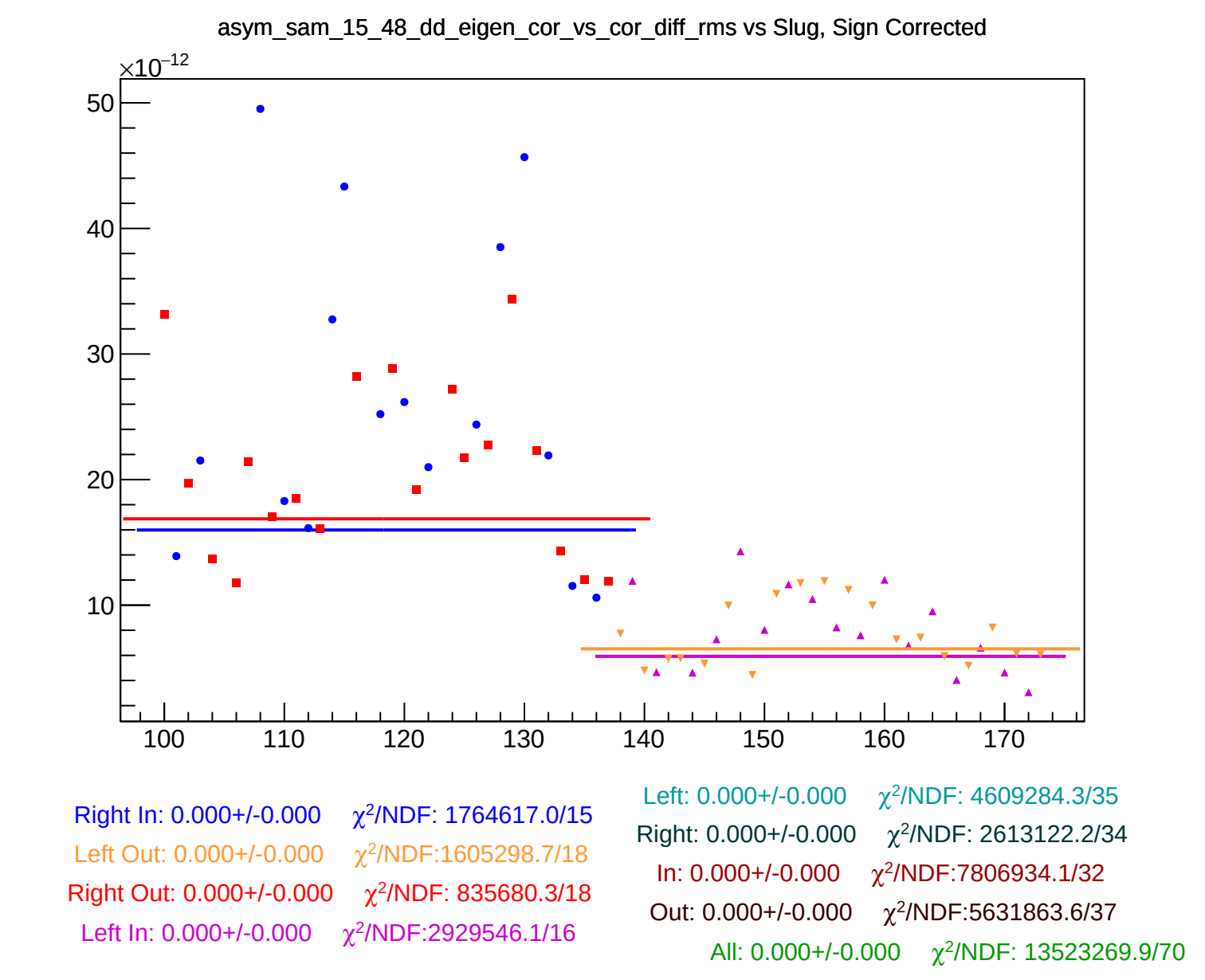
Left: -0.000+/-0.000 χ^2/NDF: 29.9/35

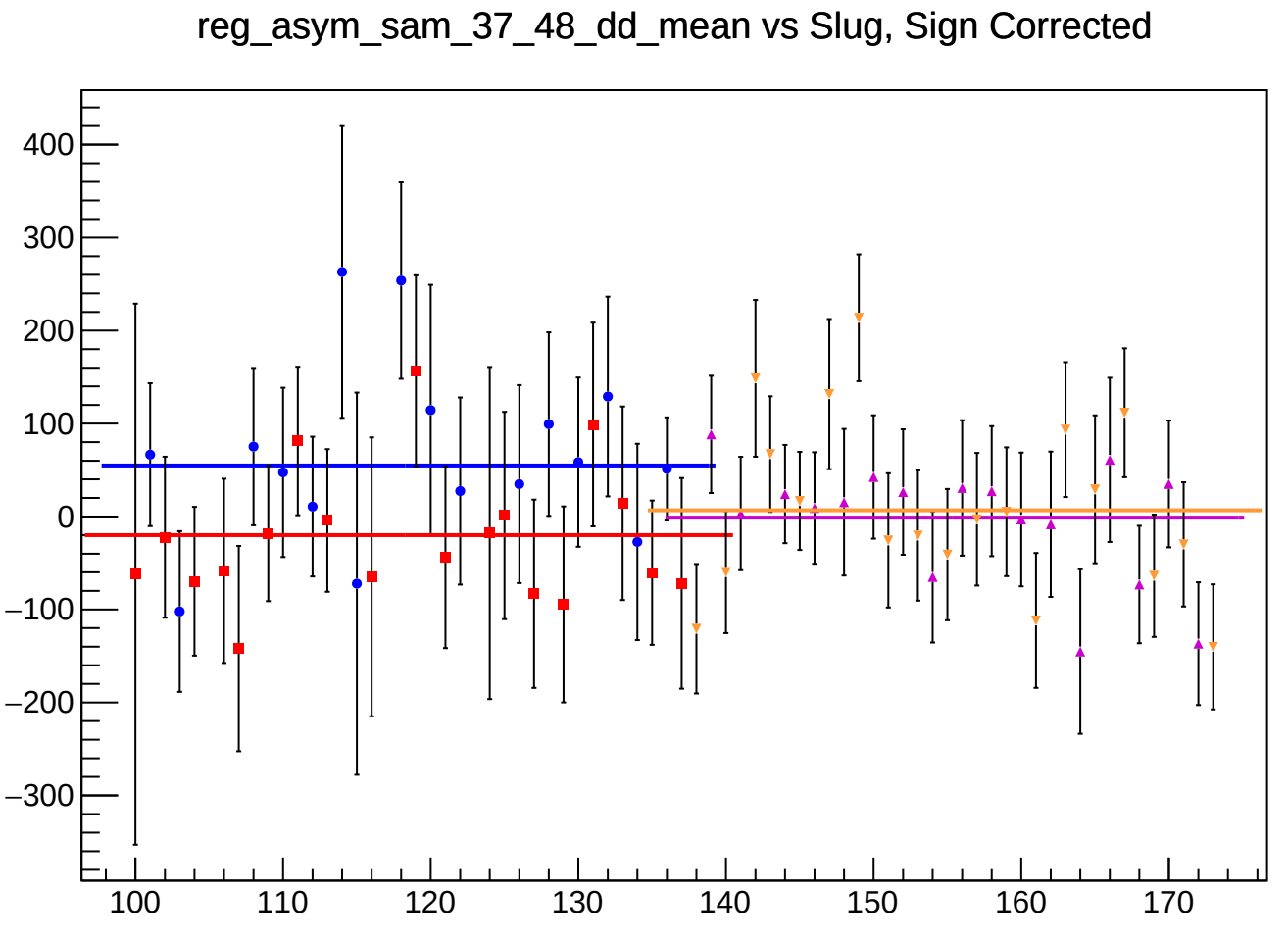
Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:42.4/32

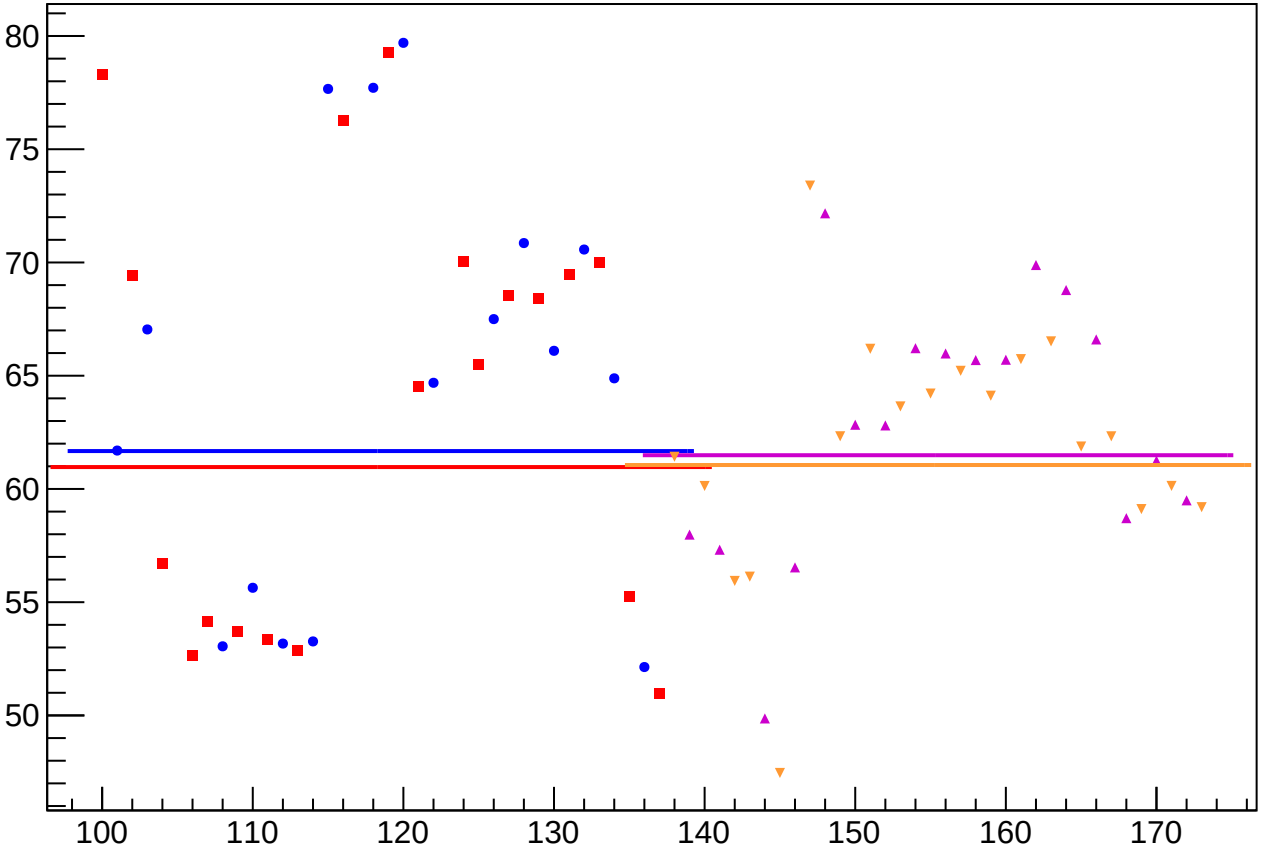
Out: -0.000+/-0.000 χ^2/NDF:45.2/37

All: -0.000+/-0.000 χ^2/NDF: 87.7/70


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1605298.7/18
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:2929546.1/16
Left: 0.000+/-0.000 χ²/NDF: 4609284.3/35
Right: 0.000+/-0.000 χ²/NDF: 2613122.2/34
In: 0.000+/-0.000 χ²/NDF:7806934.1/32
Out: 0.000+/-0.000 χ²/NDF:5631863.6/37
All: 0.000+/-0.000 χ²/NDF: 13523269.9/70


reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
300
200
100
0
−100
−200
−300
100
110
120
130
140
150
160
170
Right In: 54.883+/-23.179 χ²/NDF: 11.0/15
Left Out: 6.737+/-15.835 χ²/NDF:33.3/18
Right Out: -20.020+/-22.571 χ²/NDF: 9.2/18
Left In: -1.194+/-16.516 χ²/NDF:13.1/16
Left: 2.938+/-11.430 χ²/NDF: 46.5/35
Right: 16.437+/-16.171 χ²/NDF: 25.6/34
In: 17.690+/-13.451 χ²/NDF:28.0/32
Out: -2.088+/-12.963 χ²/NDF:43.5/37
All: 7.436+/-9.334 χ²/NDF: 72.6/70

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 61.057+/-0.011 χ^2/NDF:252244.0/18

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 61.490+/-0.012 χ^2/NDF:243983.0/16

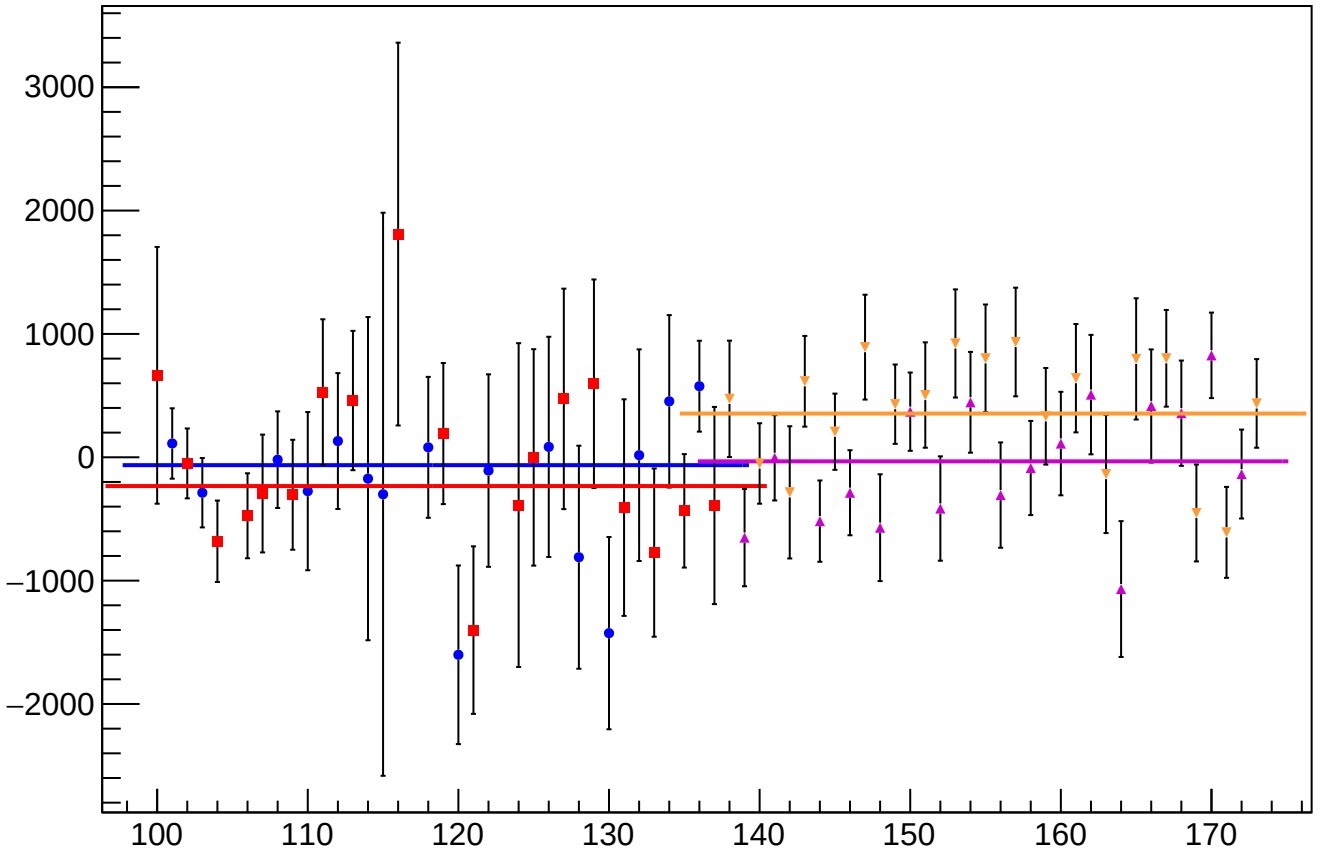
Left: 61.264+/-0.008 χ^2/NDF: 496942.9/35

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 61.551+/-0.010 χ^2/NDF:511174.1/32

Out: 61.027+/-0.009 χ^2/NDF:536448.8/37

All: 61.279+/-0.007 χ^2/NDF: 1049198.8/70



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 354.480+/-91.345 χ^2/NDF:24.7/18

Right Out: -233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: -32.868+/-94.870 χ^2/NDF:23.9/16

Left: 168.134+/-65.802 χ^2/NDF: 57.2/35

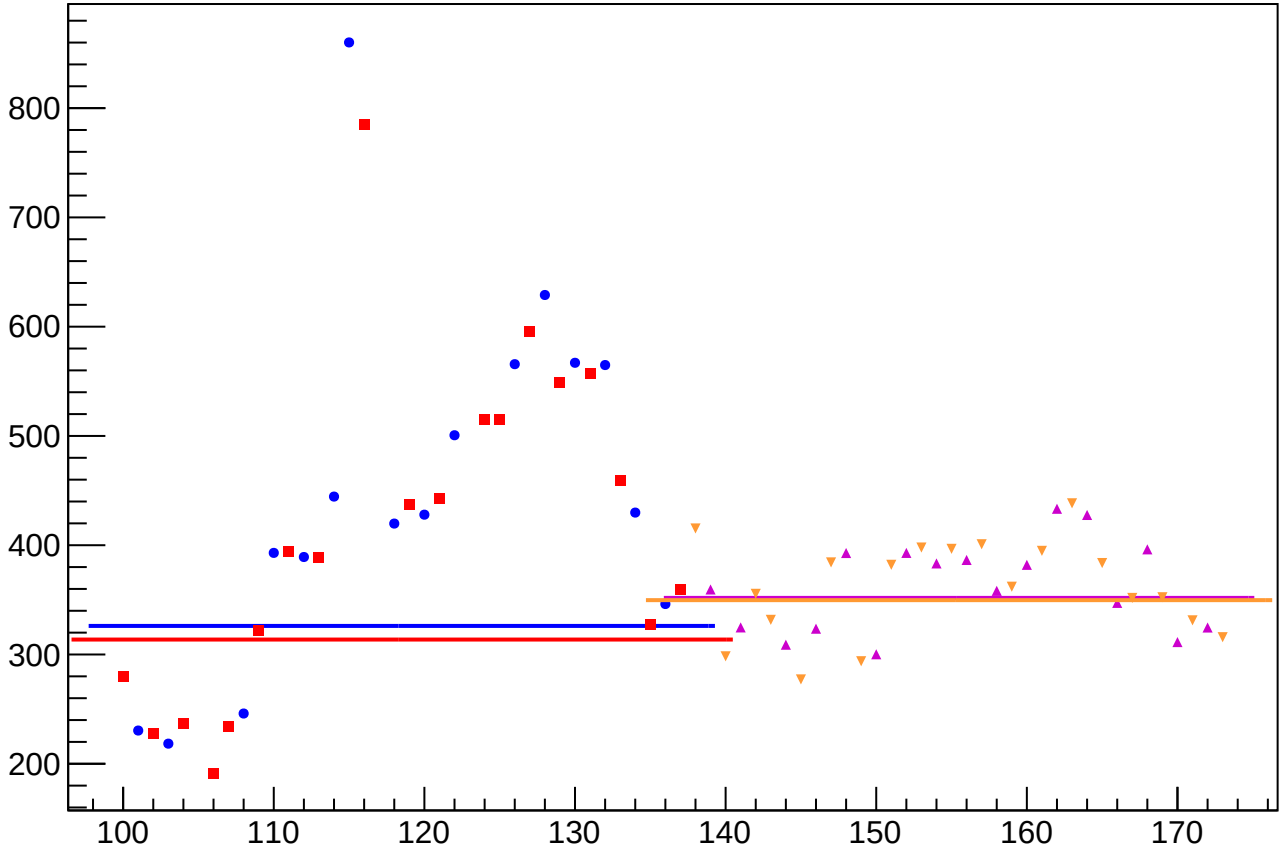
Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -43.664+/-76.567 χ^2/NDF:37.1/32

Out: 145.116+/-73.290 χ^2/NDF:54.0/37

All: 54.852+/-52.944 χ^2/NDF: 94.2/70

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: 349.730+/-0.065 χ^2/NDF:487294.7/18

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 351.797+/-0.067 χ^2/NDF:341241.5/16

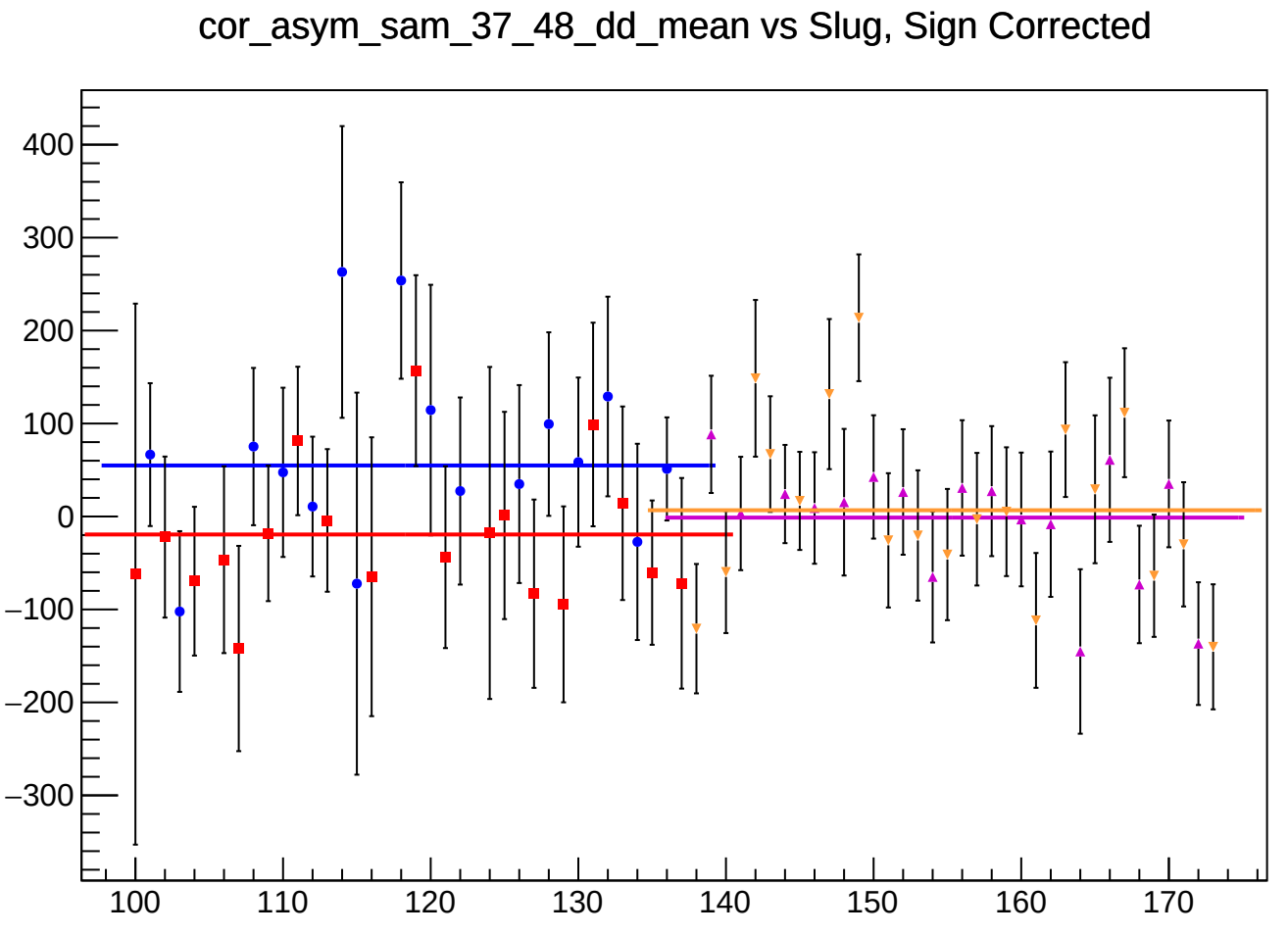
Left: 350.724+/-0.047 χ^2/NDF: 829028.6/35

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 342.854+/-0.054 χ^2/NDF:2126204.5/32

Out: 336.884+/-0.052 χ^2/NDF:2385666.0/37

All: 339.739+/-0.037 χ^2/NDF: 4518215.7/70


cor_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
300
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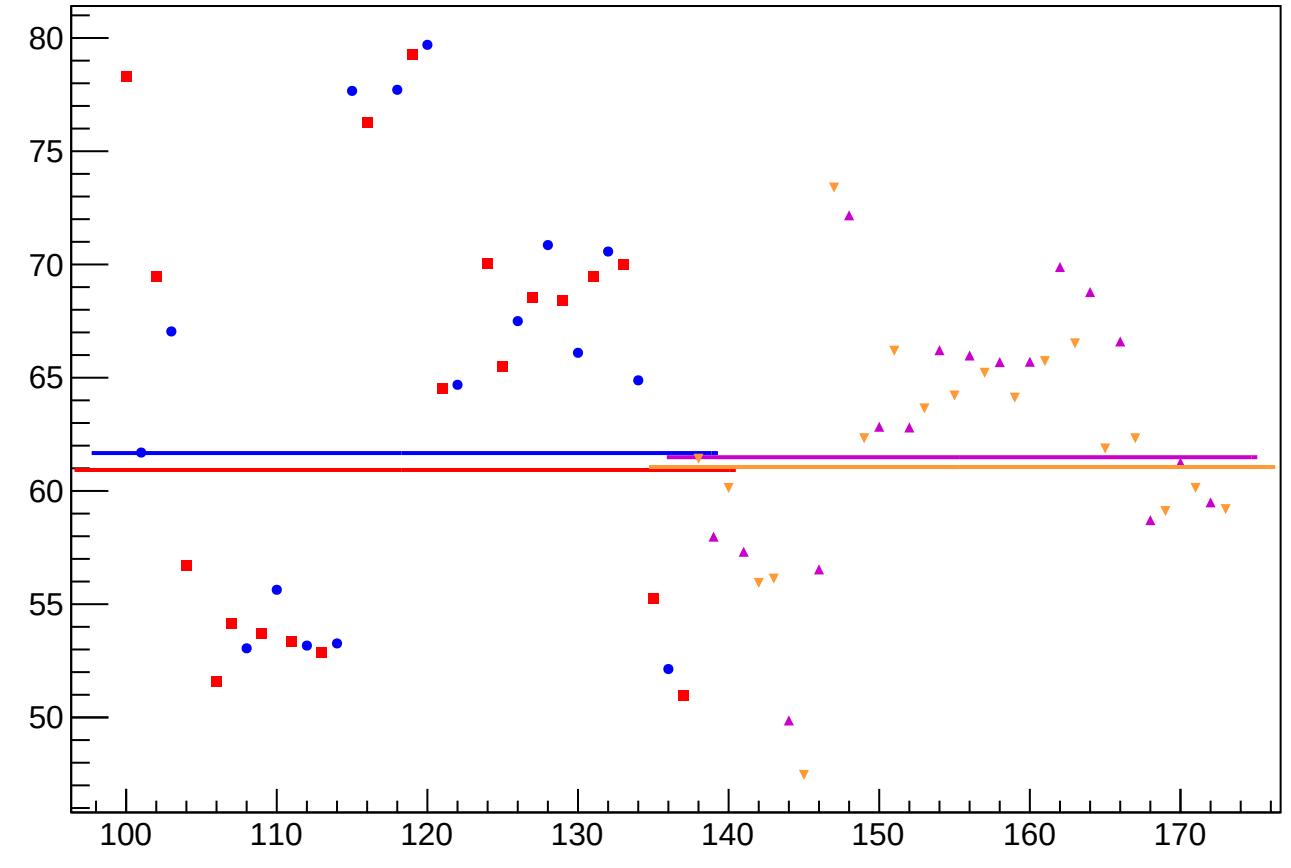
−100
−200
−300
100
110
120
130
140
150
160
170
Right In: 54.877+/-23.179 χ²/NDF: 11.0/15
Left Out: 6.736+/-15.835 χ²/NDF:33.3/18
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: -1.194+/-16.516 χ²/NDF:13.1/16
Left: 2.938+/-11.430 χ²/NDF: 46.5/35
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 17.688+/-13.451 χ²/NDF:28.0/32
Out: -1.860+/-12.966 χ²/NDF:43.4/37
All: 7.555+/-9.335 χ²/NDF: 72.4/70



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.057+/-0.011 χ^2/NDF:252244.0/18

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.490+/-0.012 χ^2/NDF:243983.0/16

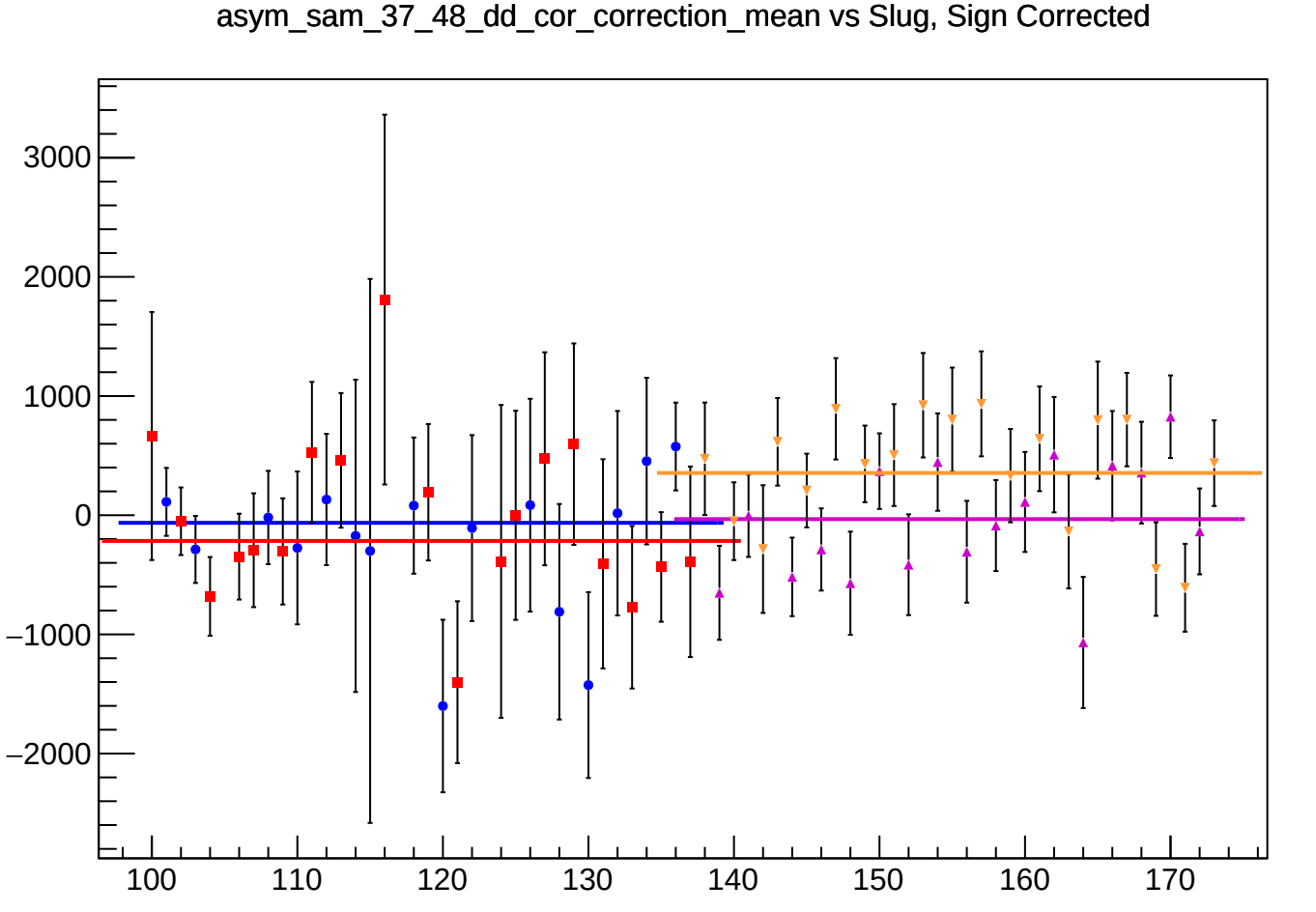
Left: 61.264+/-0.008 χ^2/NDF: 496942.9/35

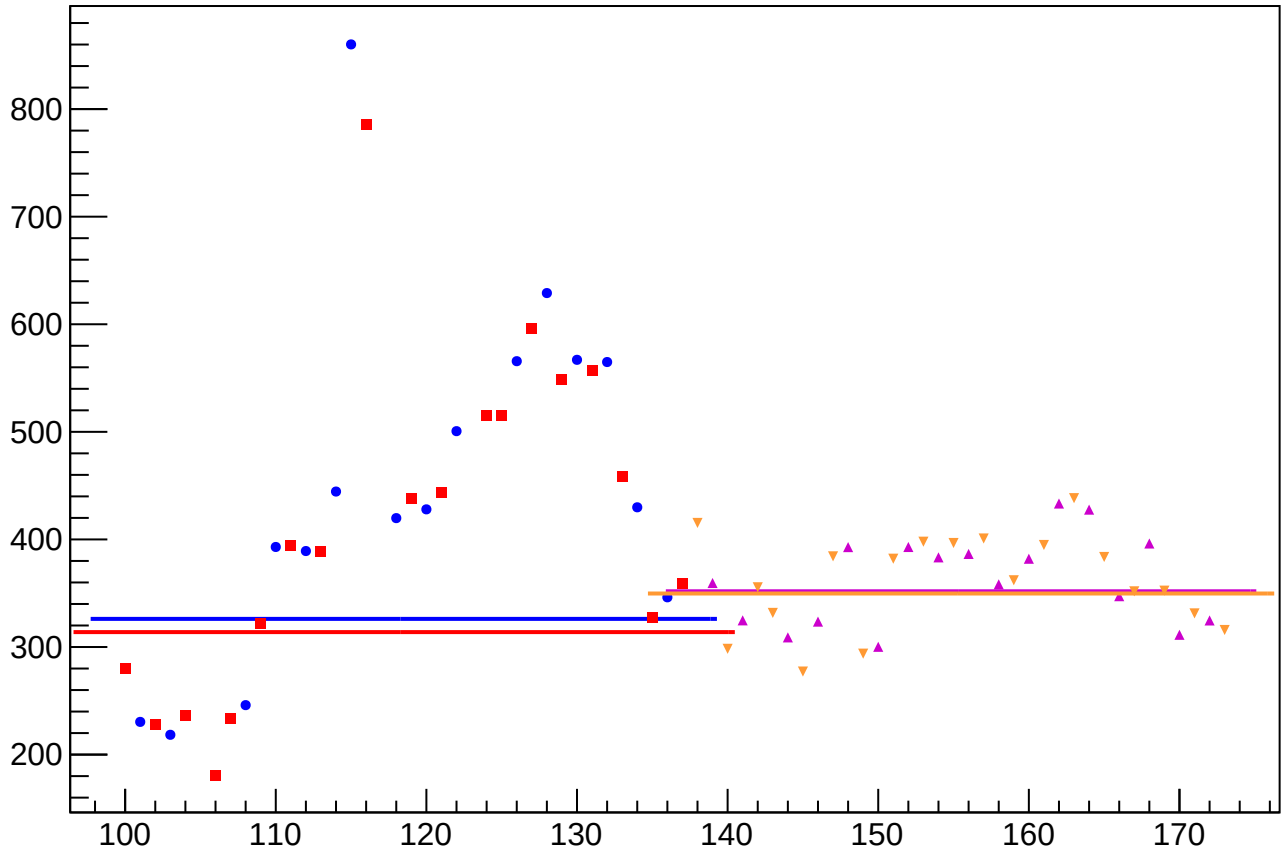
Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.551+/-0.010 χ^2/NDF:511174.3/32

Out: 61.014+/-0.009 χ^2/NDF:539868.8/37

All: 61.273+/-0.007 χ^2/NDF: 1052700.3/70


asym_sam_37_48_dd_cor_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 354.480+/-91.345 χ²/NDF:24.7/18
Right Out: -215.911+/-123.491 χ²/NDF: 14.1/18
Left In: -32.868+/-94.870 χ²/NDF:23.9/16
Left: 168.135+/-65.802 χ²/NDF: 57.2/35
Right: -143.578+/-89.428 χ²/NDF: 28.0/34
In: -43.659+/-76.567 χ²/NDF:37.1/32
Out: 152.763+/-73.438 χ²/NDF:52.6/37
All: 58.647+/-53.000 χ²/NDF: 93.1/70



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 349.730+/-0.065 χ^2/NDF:487292.8/18

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 351.797+/-0.067 χ^2/NDF:341243.0/16

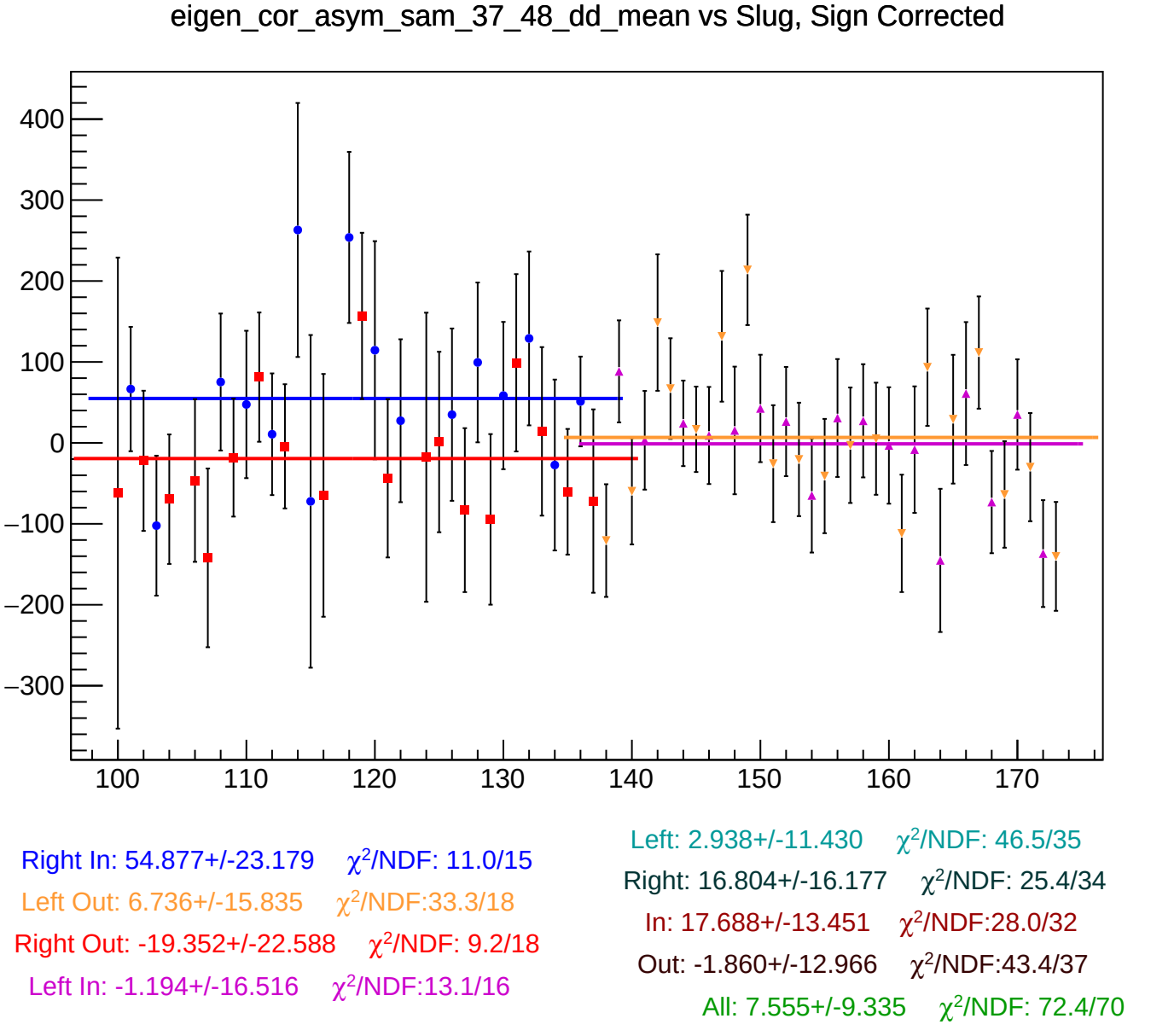
Left: 350.724+/-0.047 χ^2/NDF: 829028.1/35

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 342.855+/-0.054 χ^2/NDF:2126133.5/32

Out: 337.045+/-0.052 χ^2/NDF:2402134.4/37

All: 339.829+/-0.037 χ^2/NDF: 4534266.8/70


eigen_cor_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
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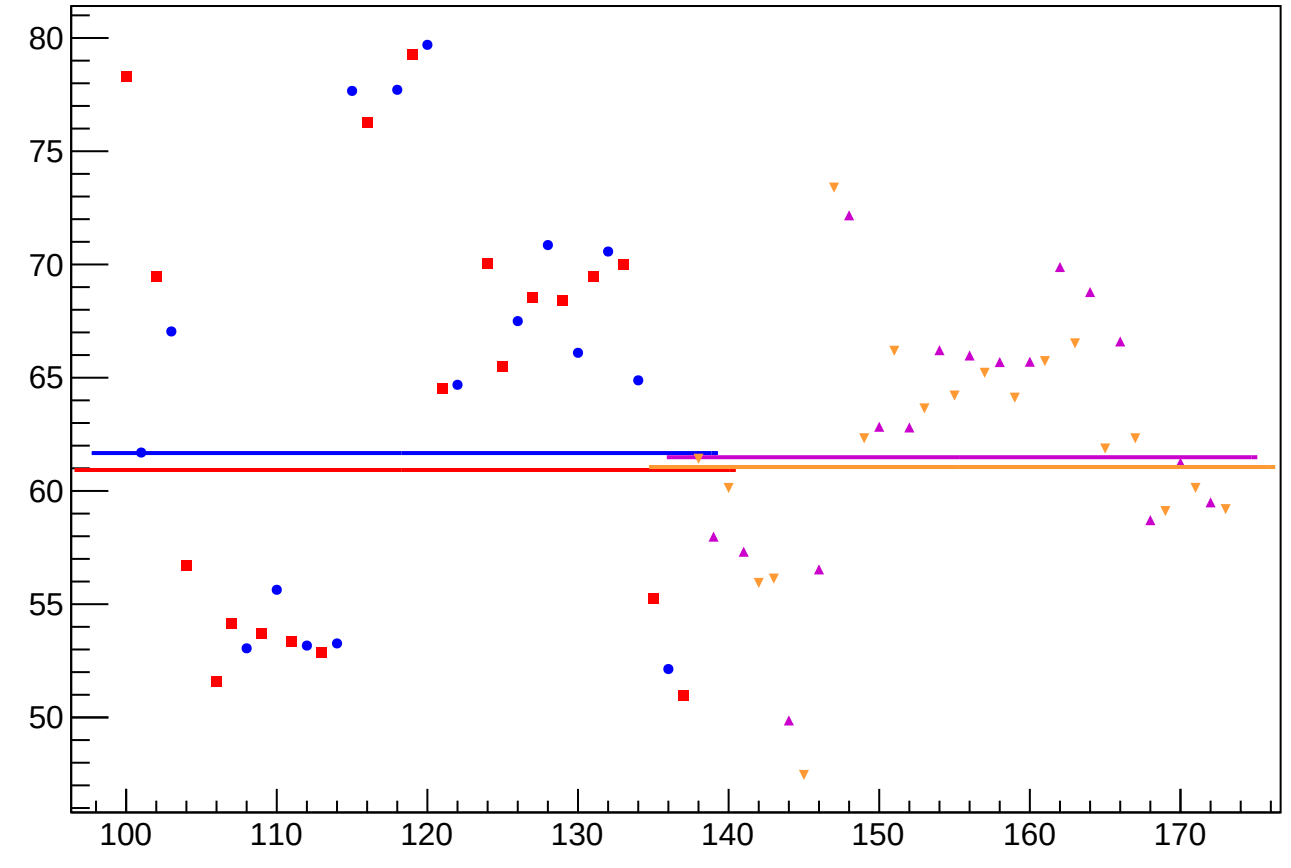
0
−100
−200
−300
100
110
120
130
140
150
160
170
Right In: 54.877+/-23.179 χ²/NDF: 11.0/15
Left Out: 6.736+/-15.835 χ²/NDF:33.3/18
Right Out: -19.352+/-22.588 χ²/NDF: 9.2/18
Left In: -1.194+/-16.516 χ²/NDF:13.1/16
Left: 2.938+/-11.430 χ²/NDF: 46.5/35
Right: 16.804+/-16.177 χ²/NDF: 25.4/34
In: 17.688+/-13.451 χ²/NDF:28.0/32
Out: -1.860+/-12.966 χ²/NDF:43.4/37
All: 7.555+/-9.335 χ²/NDF: 72.4/70



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.057+/-0.011 χ^2/NDF:252244.0/18

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.490+/-0.012 χ^2/NDF:243983.0/16

Left: 61.264+/-0.008 χ^2/NDF: 496942.9/35

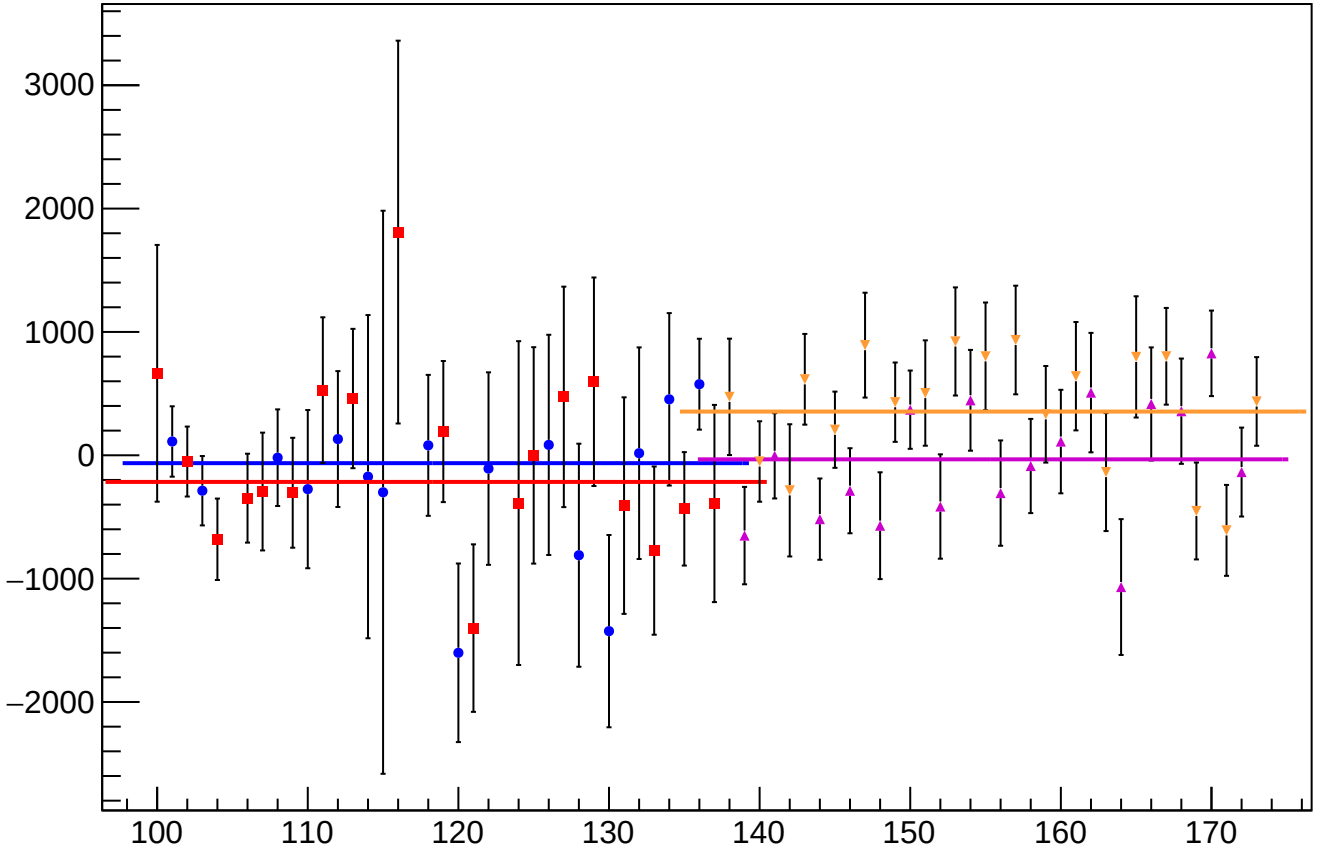
Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.551+/-0.010 χ^2/NDF:511174.3/32

Out: 61.014+/-0.009 χ^2/NDF:539868.8/37

All: 61.273+/-0.007 χ^2/NDF: 1052700.3/70

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: 354.480+/-91.345 χ^2/NDF:24.7/18

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -32.868+/-94.870 χ^2/NDF:23.9/16

Left: 168.135+/-65.802 χ^2/NDF: 57.2/35

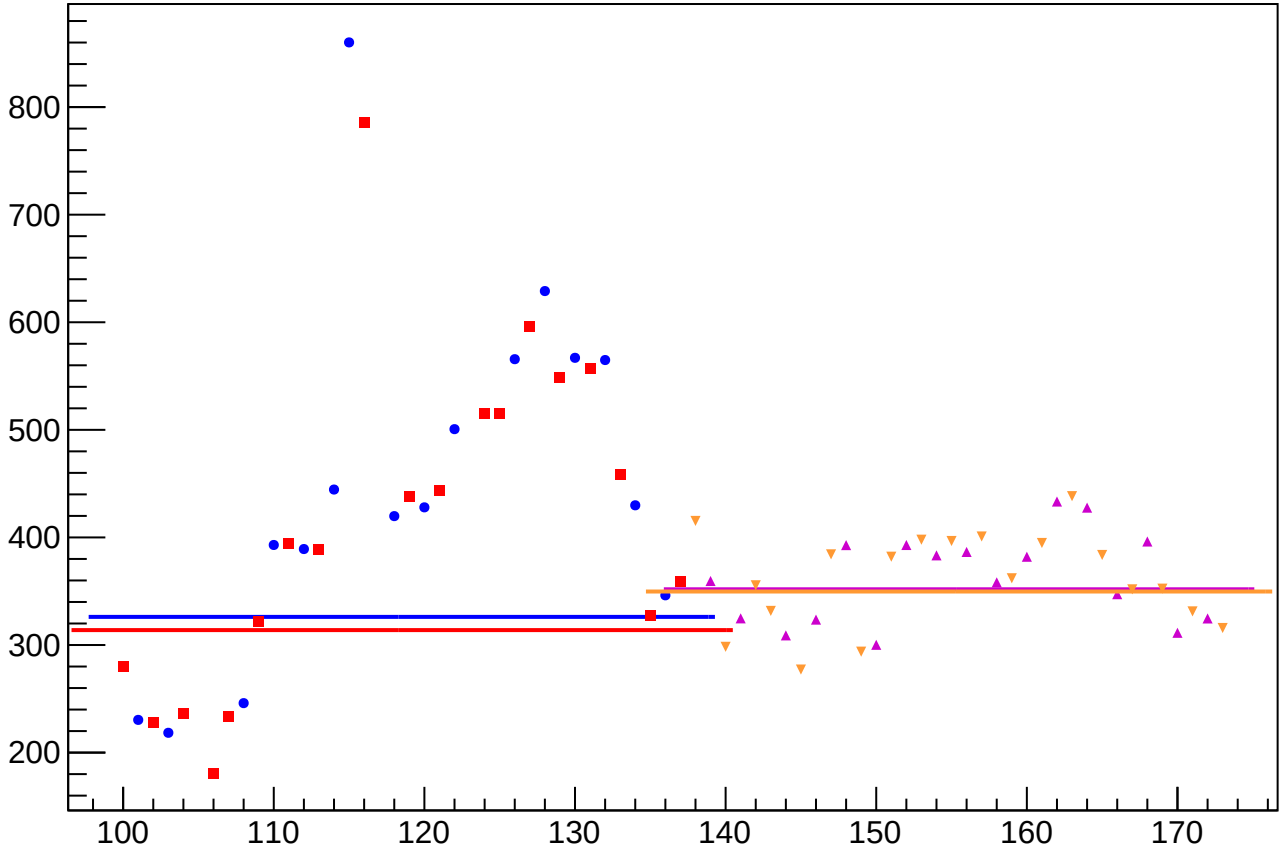
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -43.659+/-76.567 χ^2/NDF:37.1/32

Out: 152.763+/-73.438 χ^2/NDF:52.6/37

All: 58.647+/-53.000 χ^2/NDF: 93.1/70

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: 349.730+/-0.065 χ^2/NDF:487292.8/18

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 351.797+/-0.067 χ^2/NDF:341243.0/16

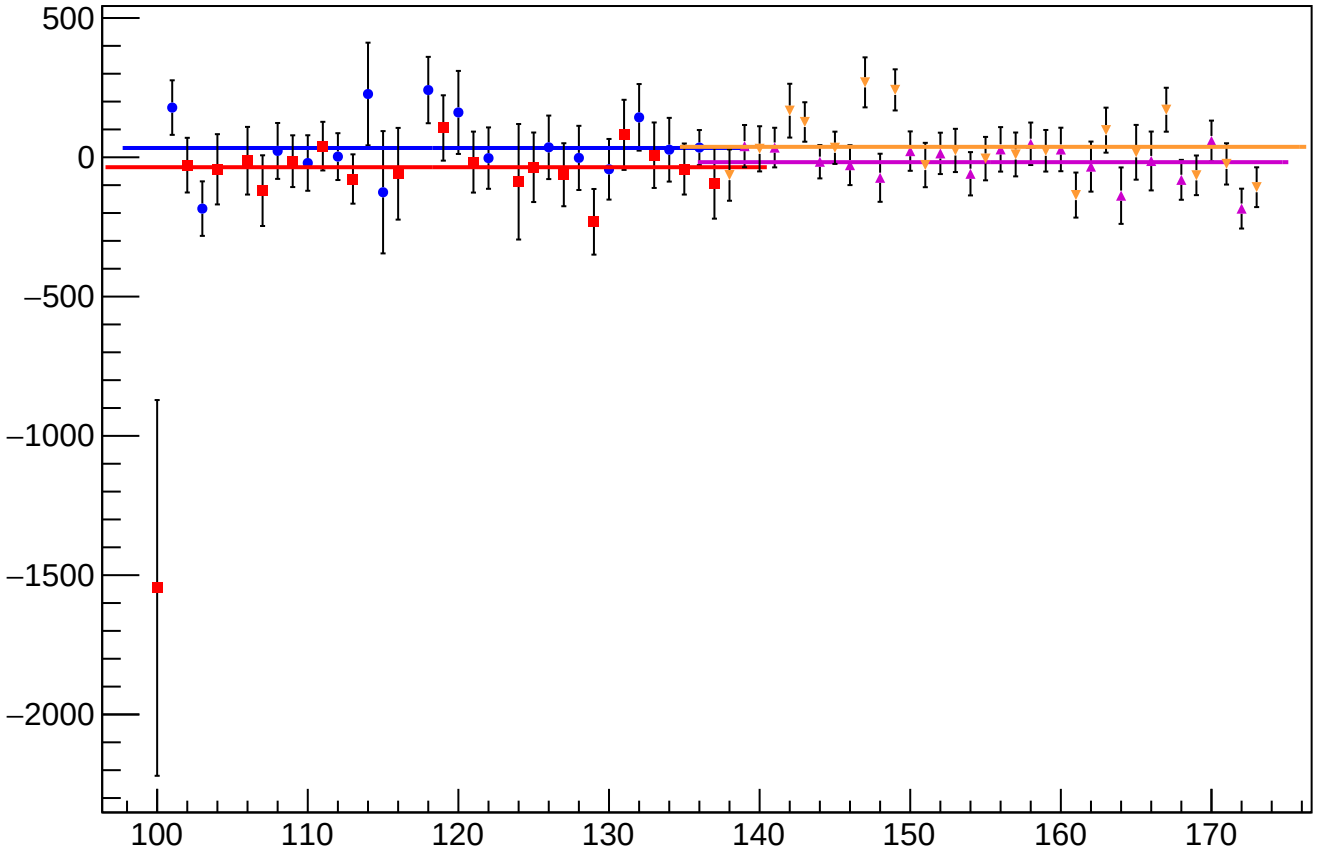
Left: 350.724+/-0.047 χ^2/NDF: 829028.1/35

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 342.855+/-0.054 χ^2/NDF:2126133.5/32

Out: 337.045+/-0.052 χ^2/NDF:2402134.4/37

All: 339.829+/-0.037 χ^2/NDF: 4534266.8/70



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 37.495+/-17.797 χ^2/NDF:35.0/18

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: -17.485+/-18.547 χ^2/NDF:12.5/16

Left: 11.140+/-12.841 χ^2/NDF: 52.0/35

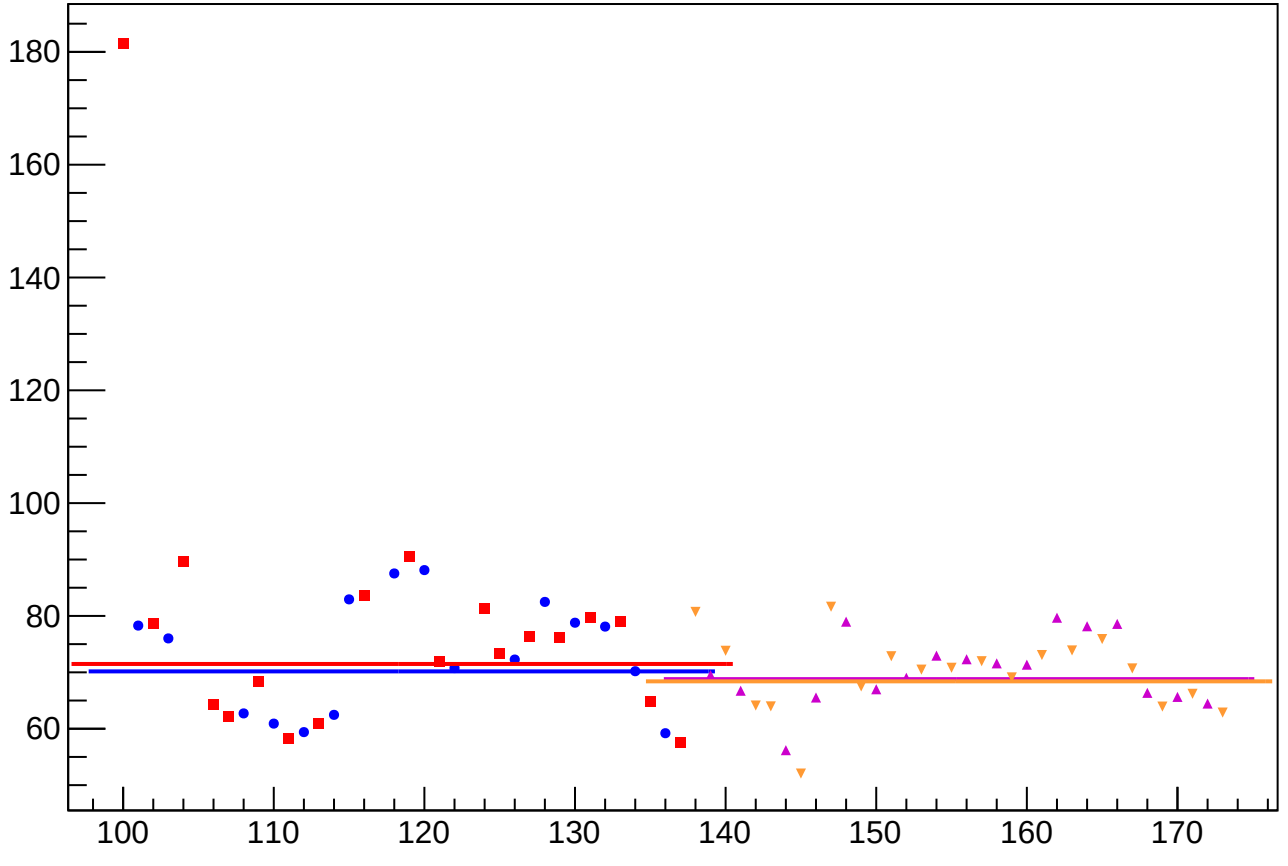
Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: -0.683+/-15.179 χ^2/NDF:29.5/32

Out: 14.826+/-14.780 χ^2/NDF:52.3/37

All: 7.278+/-10.589 χ^2/NDF: 82.4/70

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: 68.402+/-0.013 χ^2/NDF:324340.3/18

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 68.796+/-0.013 χ^2/NDF:215169.2/16

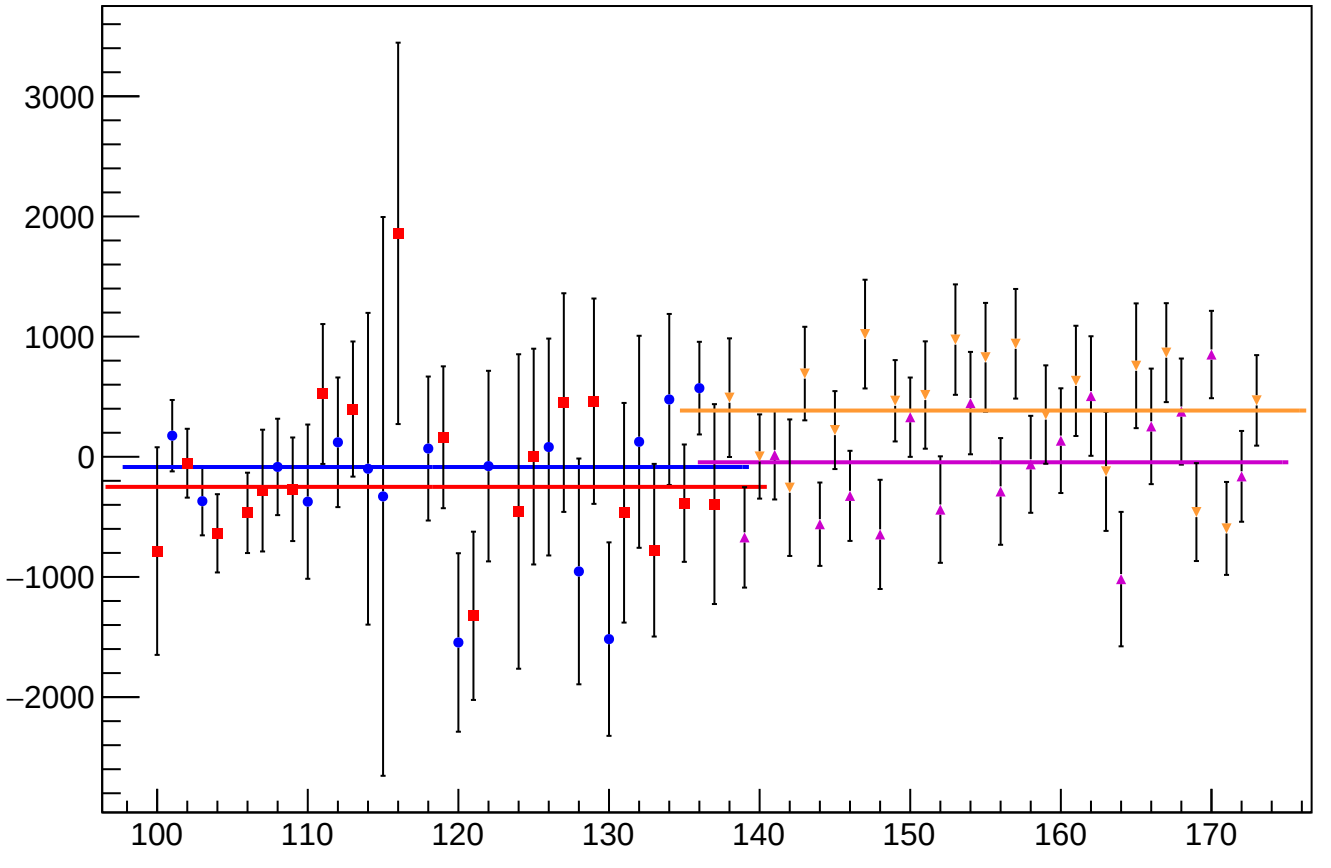
Left: 68.591+/-0.009 χ^2/NDF: 539978.8/35

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

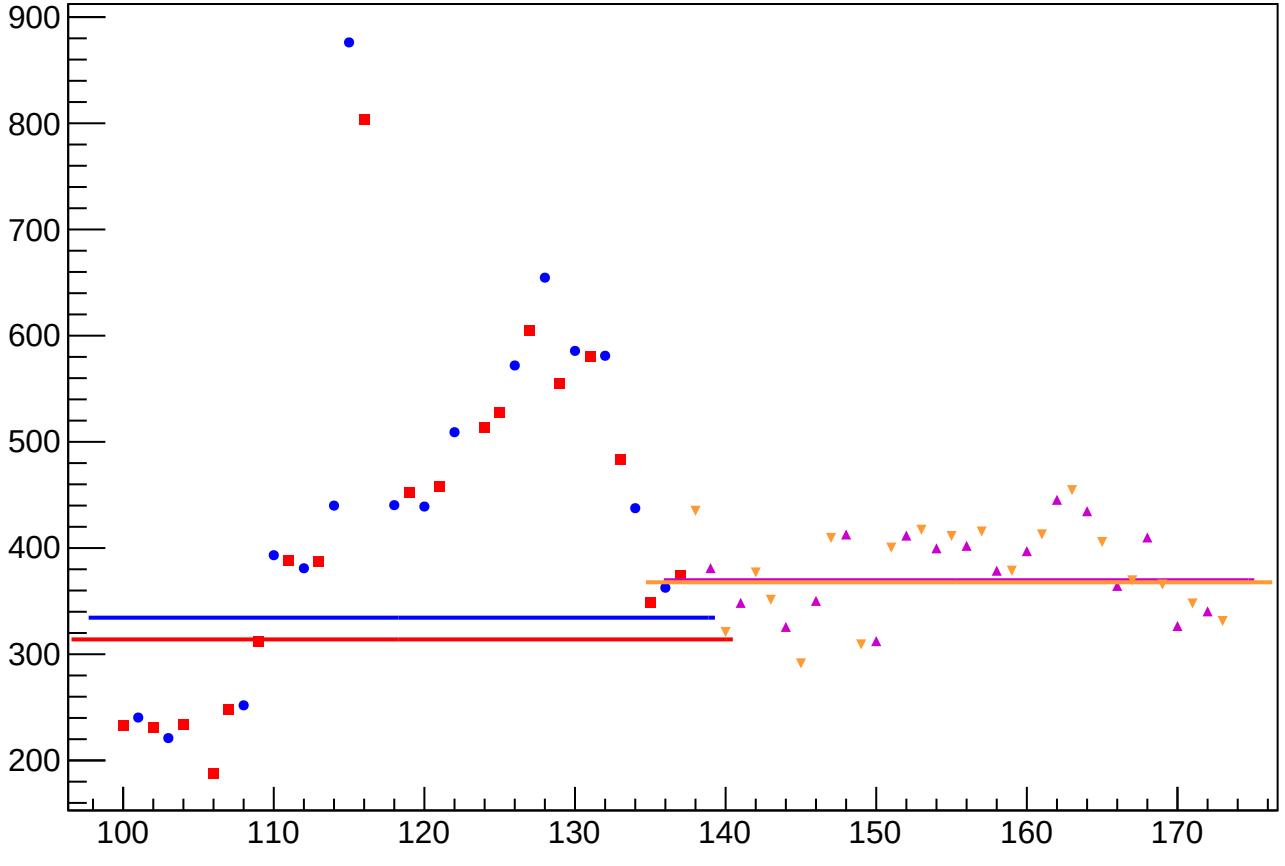
In: 69.249+/-0.011 χ^2/NDF:488030.9/32

Out: 69.358+/-0.010 χ^2/NDF:668653.1/37

All: 69.305+/-0.007 χ^2/NDF: 1156737.2/70


asym_sam_37_48_dd_dit_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
Right In: -85.184+/-132.877 χ²/NDF: 13.7/15
Left Out: 384.824+/-95.936 χ²/NDF:23.6/18
Right Out: -250.440+/-123.302 χ²/NDF: 12.5/18
Left In: -45.717+/-99.601 χ²/NDF:22.4/16
Left: 177.620+/-69.096 χ²/NDF: 55.7/35
Right: -173.980+/-90.383 χ²/NDF: 27.0/34
In: -59.915+/-79.697 χ²/NDF:36.1/32
Out: 145.270+/-75.717 χ²/NDF:52.6/37
All: 47.928+/-54.893 χ²/NDF: 92.2/70

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: 367.769+/-0.068 χ^2/NDF:455942.1/18

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 369.693+/-0.070 χ^2/NDF:301823.8/16

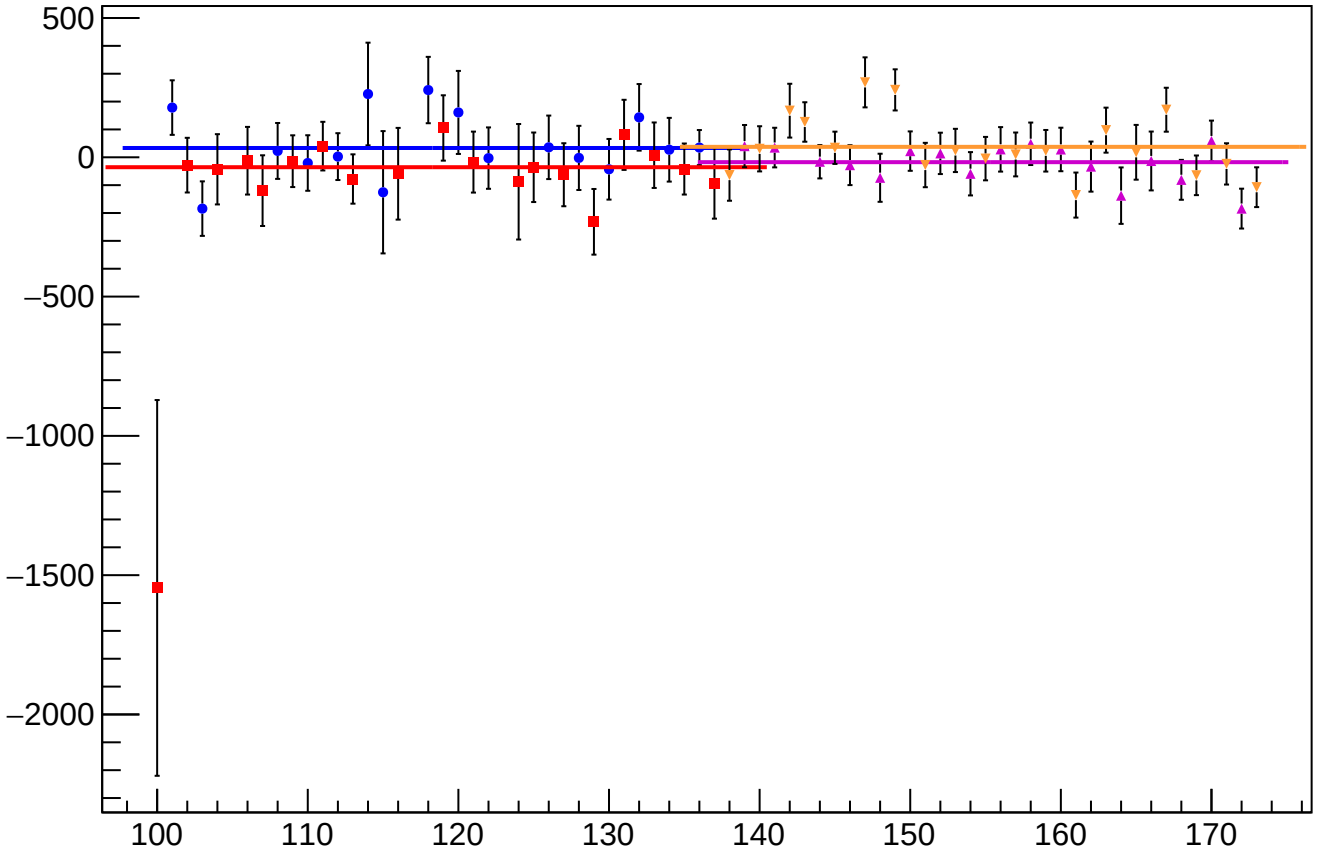
Left: 368.695+/-0.049 χ^2/NDF: 758153.0/35

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 357.008+/-0.056 χ^2/NDF:2122614.5/32

Out: 347.482+/-0.054 χ^2/NDF:2597712.1/37

All: 352.001+/-0.039 χ^2/NDF: 4735344.0/70



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 37.494+/-17.797 χ^2/NDF:35.0/18

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: -17.485+/-18.547 χ^2/NDF:12.5/16

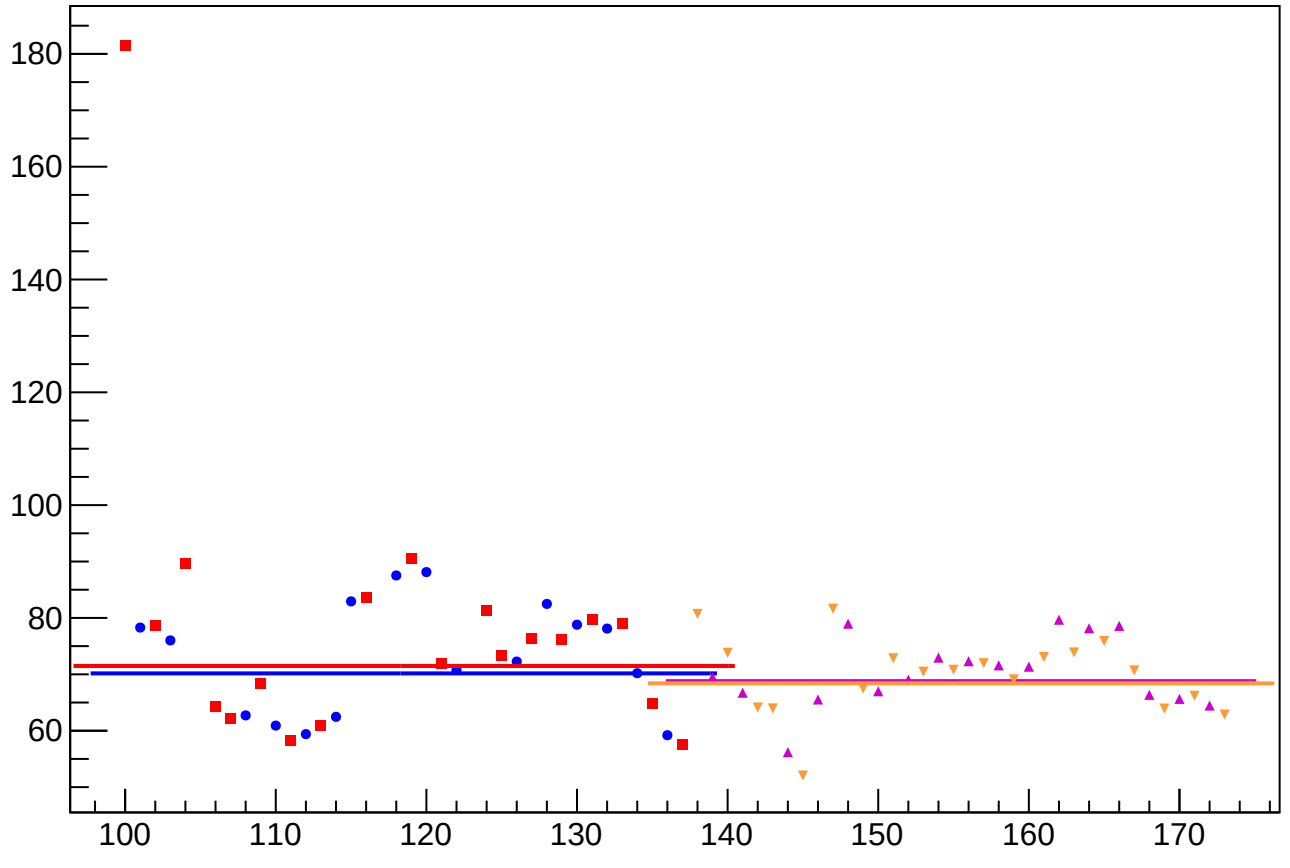
Left: 11.139+/-12.841 χ^2/NDF: 52.0/35

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: -0.683+/-15.179 χ^2/NDF:29.5/32

Out: 14.825+/-14.780 χ^2/NDF:52.3/37

All: 7.277+/-10.589 χ^2/NDF: 82.4/70



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 68.402+/-0.013 χ^2/NDF:324346.7/18

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 68.796+/-0.013 χ^2/NDF:215171.5/16

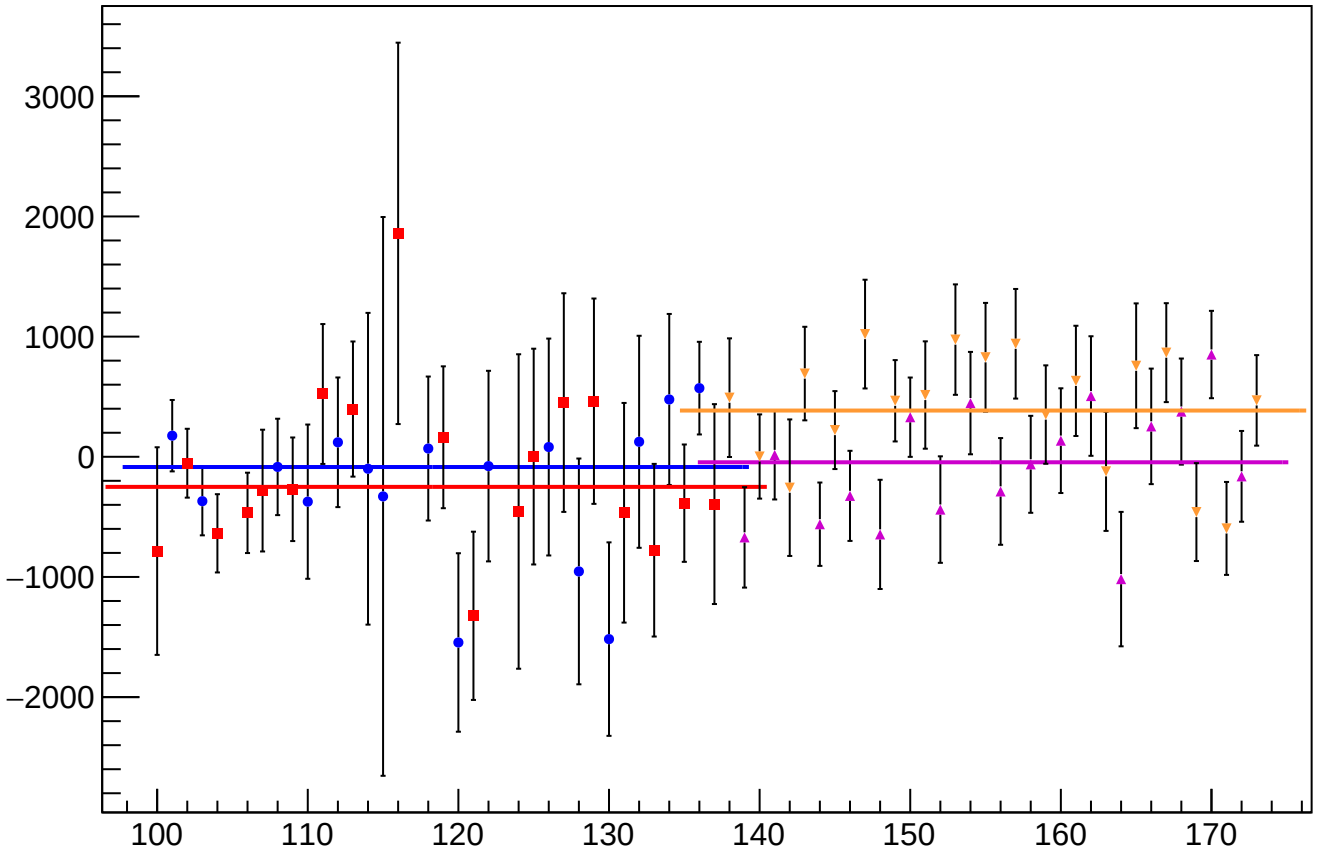
Left: 68.591+/-0.009 χ^2/NDF: 539987.5/35

Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 69.249+/-0.011 χ^2/NDF:488037.0/32

Out: 69.358+/-0.010 χ^2/NDF:668667.3/37

All: 69.305+/-0.007 χ^2/NDF: 1156757.4/70



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 384.823+/-95.936 χ^2/NDF:23.6/18

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -45.717+/-99.601 χ^2/NDF:22.4/16

Left: 177.619+/-69.096 χ^2/NDF: 55.7/35

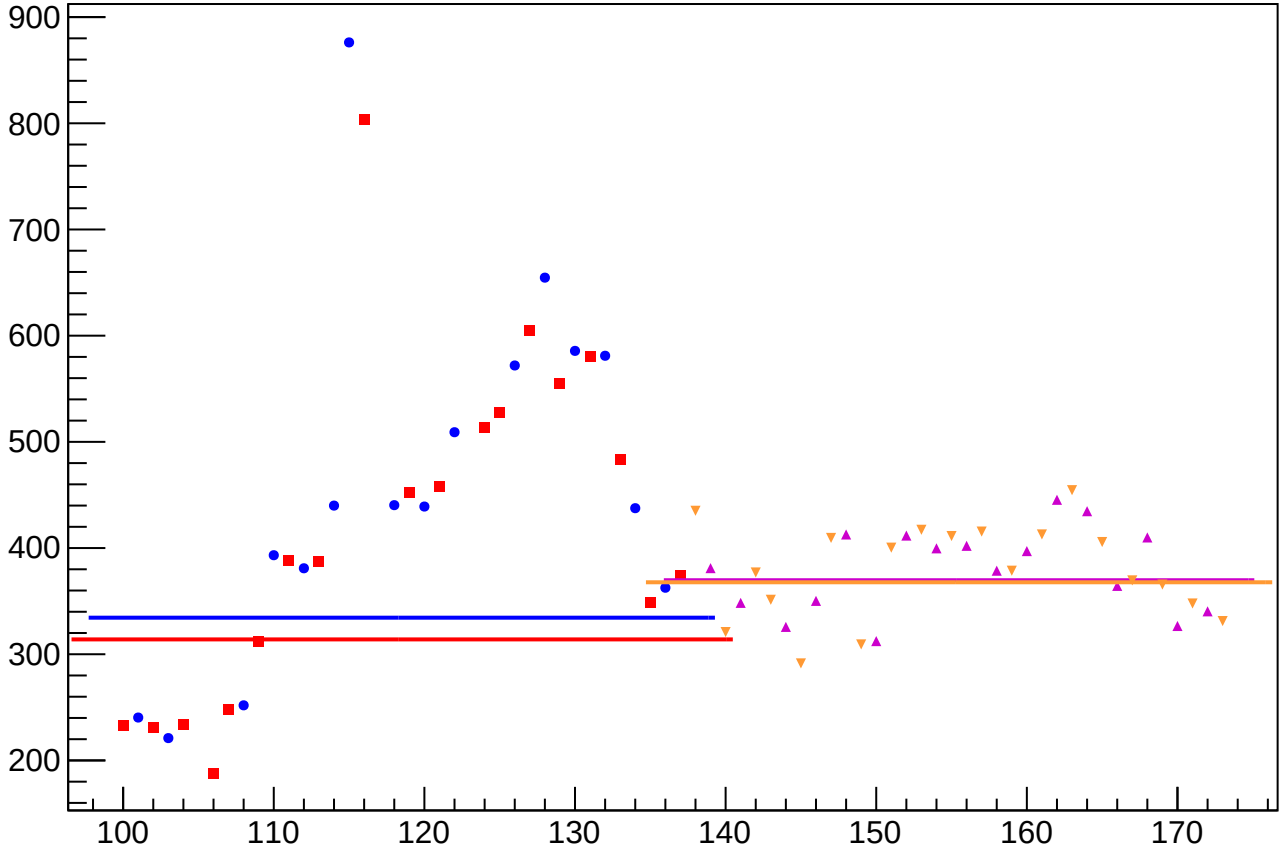
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -59.915+/-79.697 χ^2/NDF:36.1/32

Out: 145.269+/-75.717 χ^2/NDF:52.6/37

All: 47.928+/-54.893 χ^2/NDF: 92.2/70

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: 367.769+/-0.068 χ^2/NDF:455946.2/18

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 369.693+/-0.070 χ^2/NDF:301824.1/16

Left: 368.695+/-0.049 χ^2/NDF: 758157.5/35

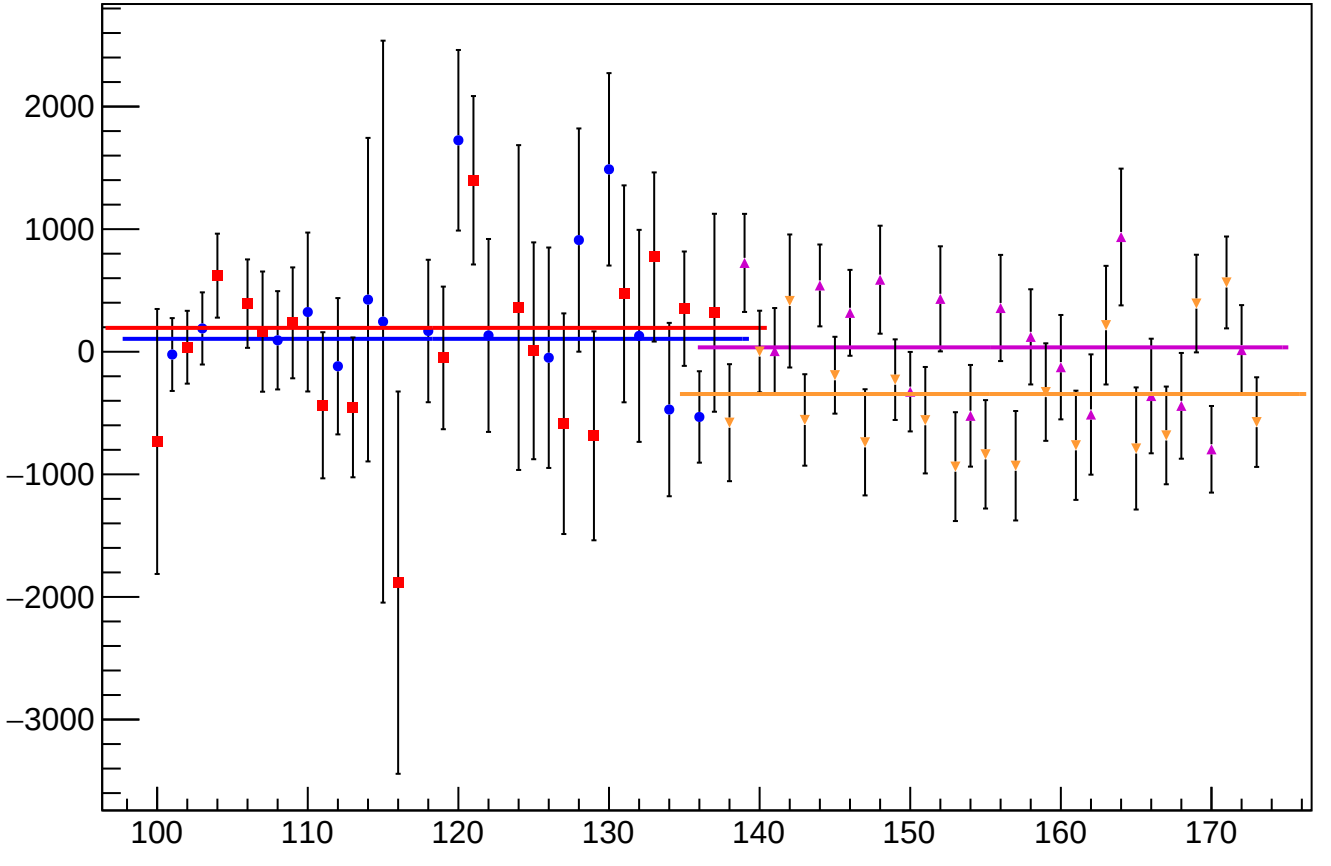
Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 357.008+/-0.056 χ^2/NDF:2122612.1/32

Out: 347.482+/-0.054 χ^2/NDF:2597712.6/37

All: 352.001+/-0.039 χ^2/NDF: 4735342.5/70

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -344.681+/-92.794 χ^2/NDF:23.2/18

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 35.893+/-96.376 χ^2/NDF:23.5/16

Left: -161.598+/-66.846 χ^2/NDF: 54.8/35

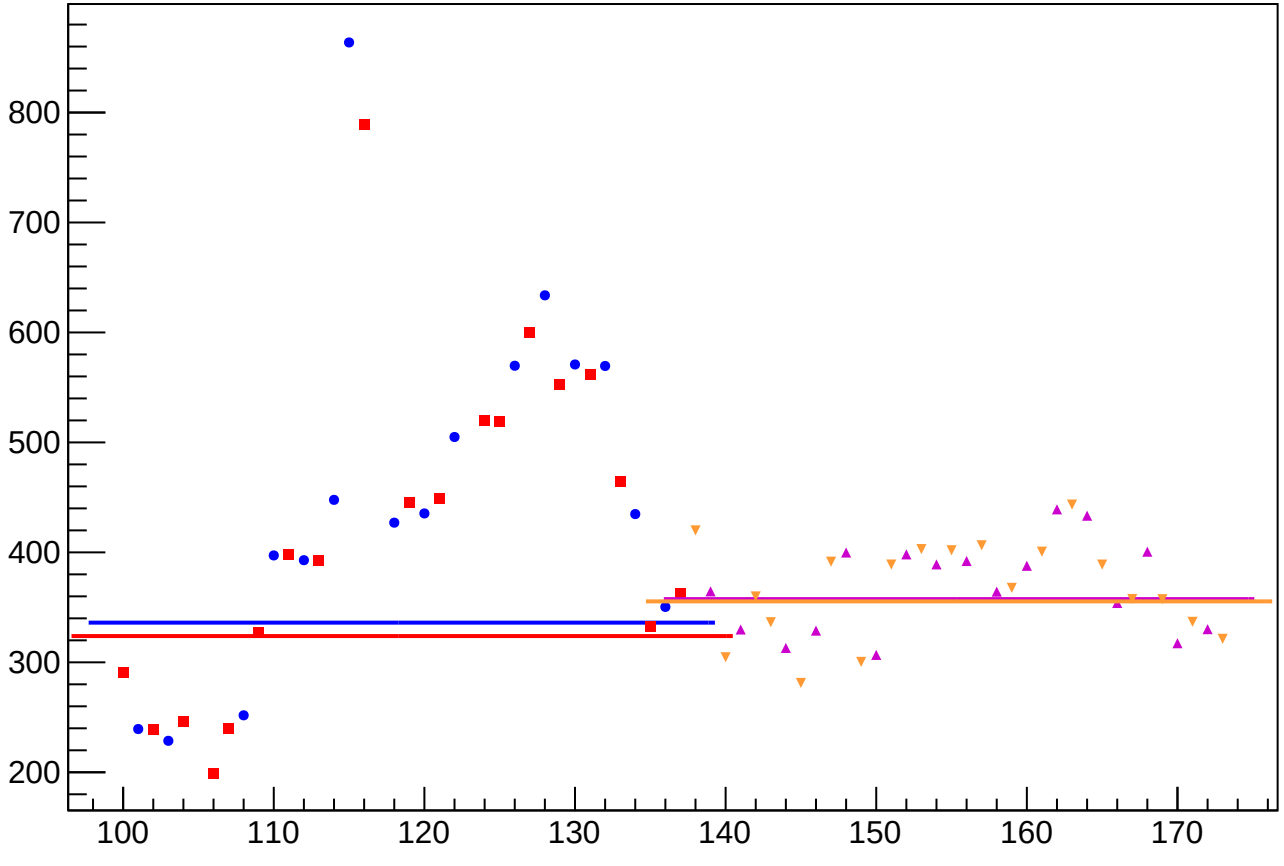
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 59.810+/-78.050 χ^2/NDF:36.6/32

Out: -155.392+/-74.759 χ^2/NDF:48.2/37

All: -52.423+/-53.989 χ^2/NDF: 88.8/70

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 355.432+/-0.066 χ^2/NDF:473617.1/18

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 357.496+/-0.068 χ^2/NDF:331749.6/16

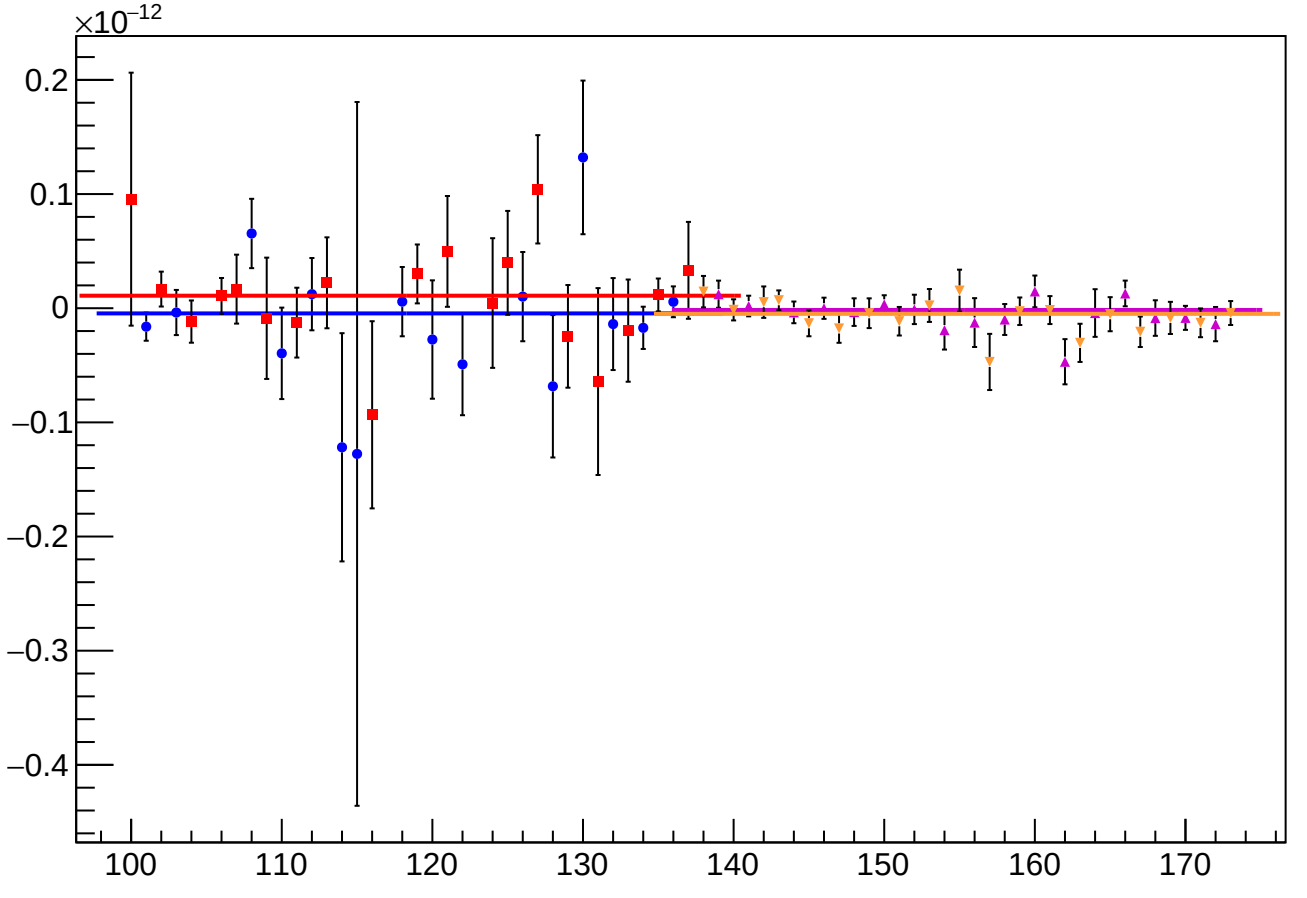
Left: 356.425+/-0.047 χ^2/NDF: 805842.7/35

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 350.130+/-0.055 χ^2/NDF:1984695.0/32

Out: 344.361+/-0.053 χ^2/NDF:2220155.1/37

All: 347.121+/-0.038 χ^2/NDF: 4210548.0/70



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:13.3/16

Left: -0.000+/-0.000 χ^2/NDF: 29.1/35

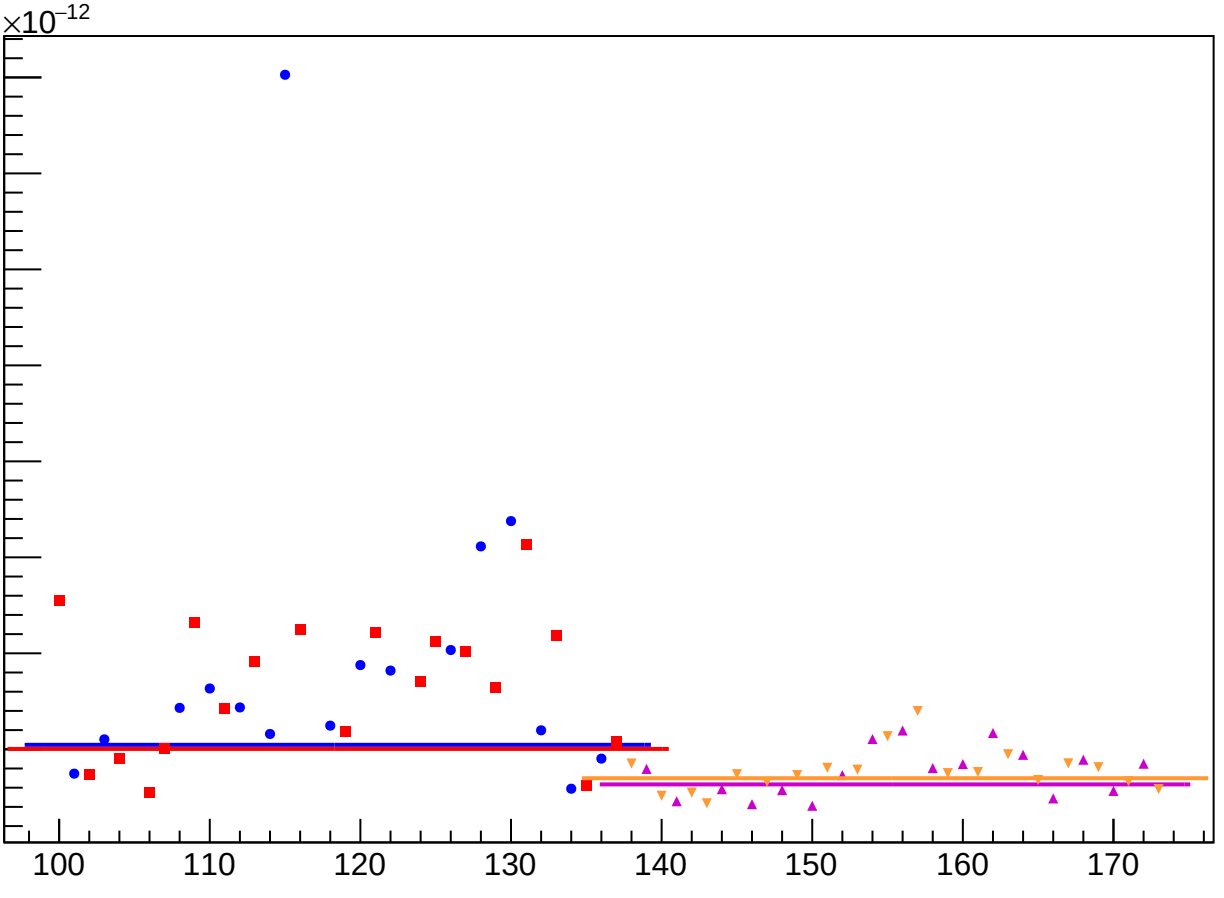
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:30.0/32

Out: -0.000+/-0.000 χ^2/NDF:32.6/37

All: -0.000+/-0.000 χ^2/NDF: 62.6/70

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:735069.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1083504.7/16

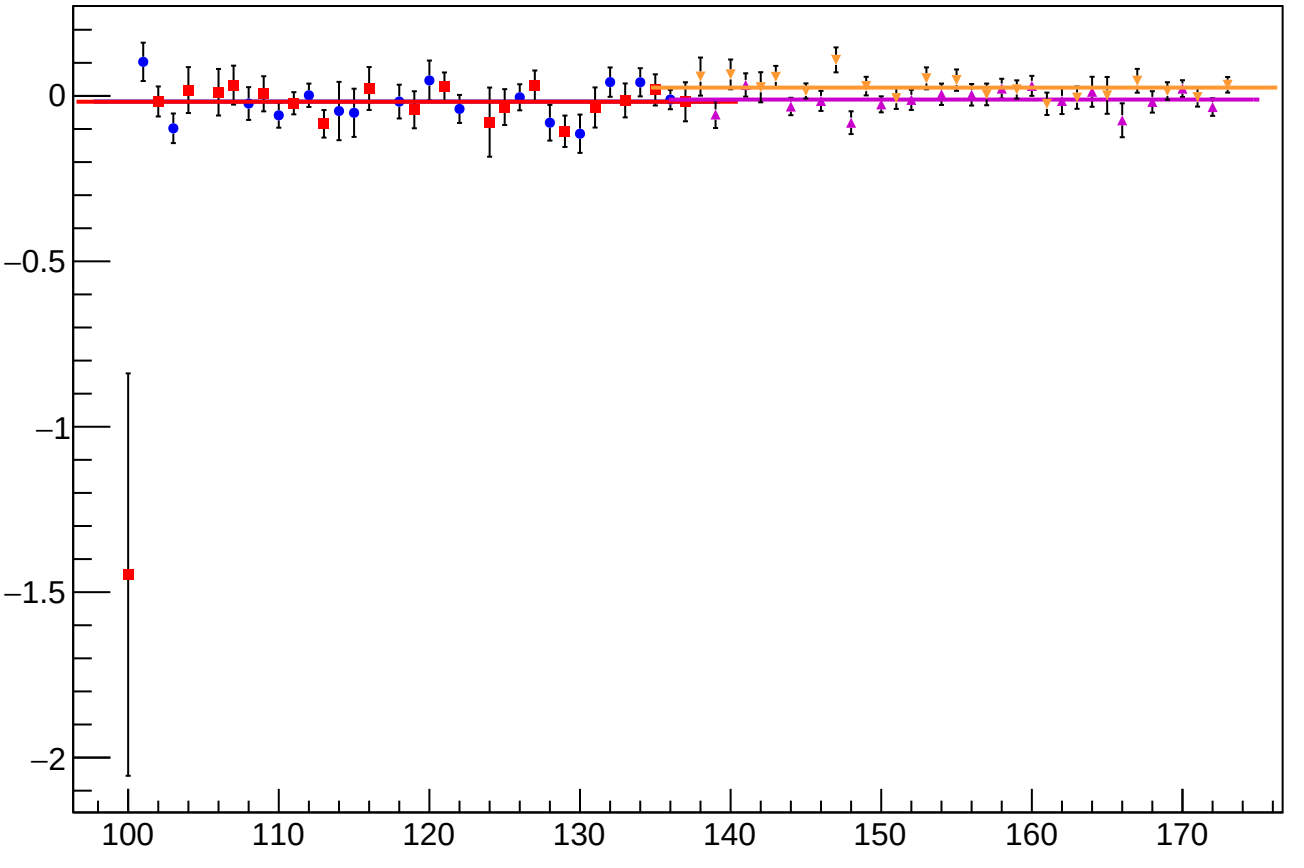
Left: 0.000+/-0.000 χ^2/NDF: 1867645.8/35

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:2946637.2/32

Out: 0.000+/-0.000 χ^2/NDF:2527009.5/37

All: 0.000+/-0.000 χ^2/NDF: 5503474.2/70



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.5/18

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.008 χ^2/NDF:15.7/16

Left: 0.008+/-0.005 χ^2/NDF: 41.9/35

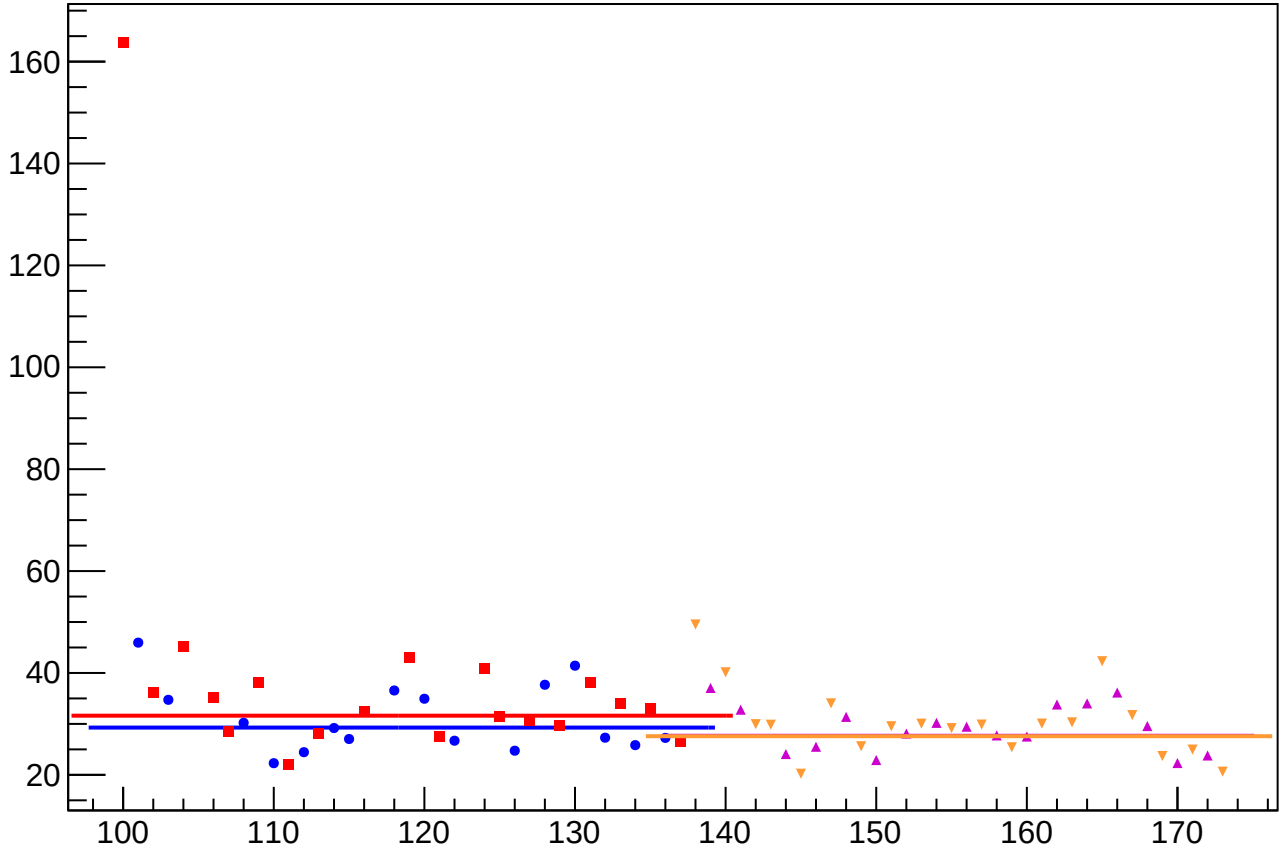
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:34.7/32

Out: 0.014+/-0.006 χ^2/NDF:40.4/37

All: 0.000+/-0.004 χ^2/NDF: 84.0/70

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: 27.585+/-0.005 χ^2/NDF:1205984.8/18

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.670+/-0.005 χ^2/NDF:594639.0/16

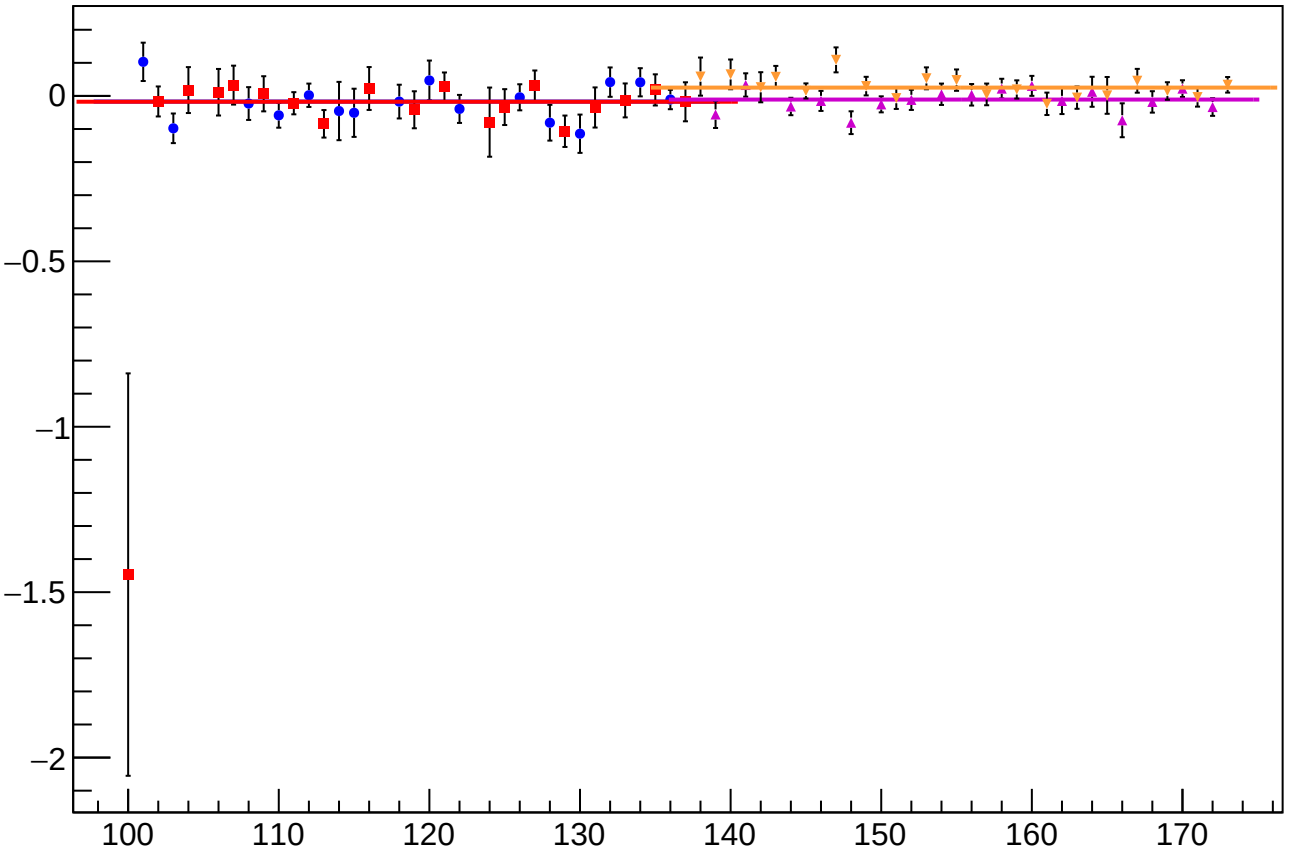
Left: 27.626+/-0.004 χ^2/NDF: 1800752.4/35

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.172+/-0.004 χ^2/NDF:1182934.9/32

Out: 28.675+/-0.004 χ^2/NDF:1939878.9/37

All: 28.425+/-0.003 χ^2/NDF: 3129143.6/70



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.5/18

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.008 χ^2/NDF:15.7/16

Left: 0.008+/-0.005 χ^2/NDF: 41.9/35

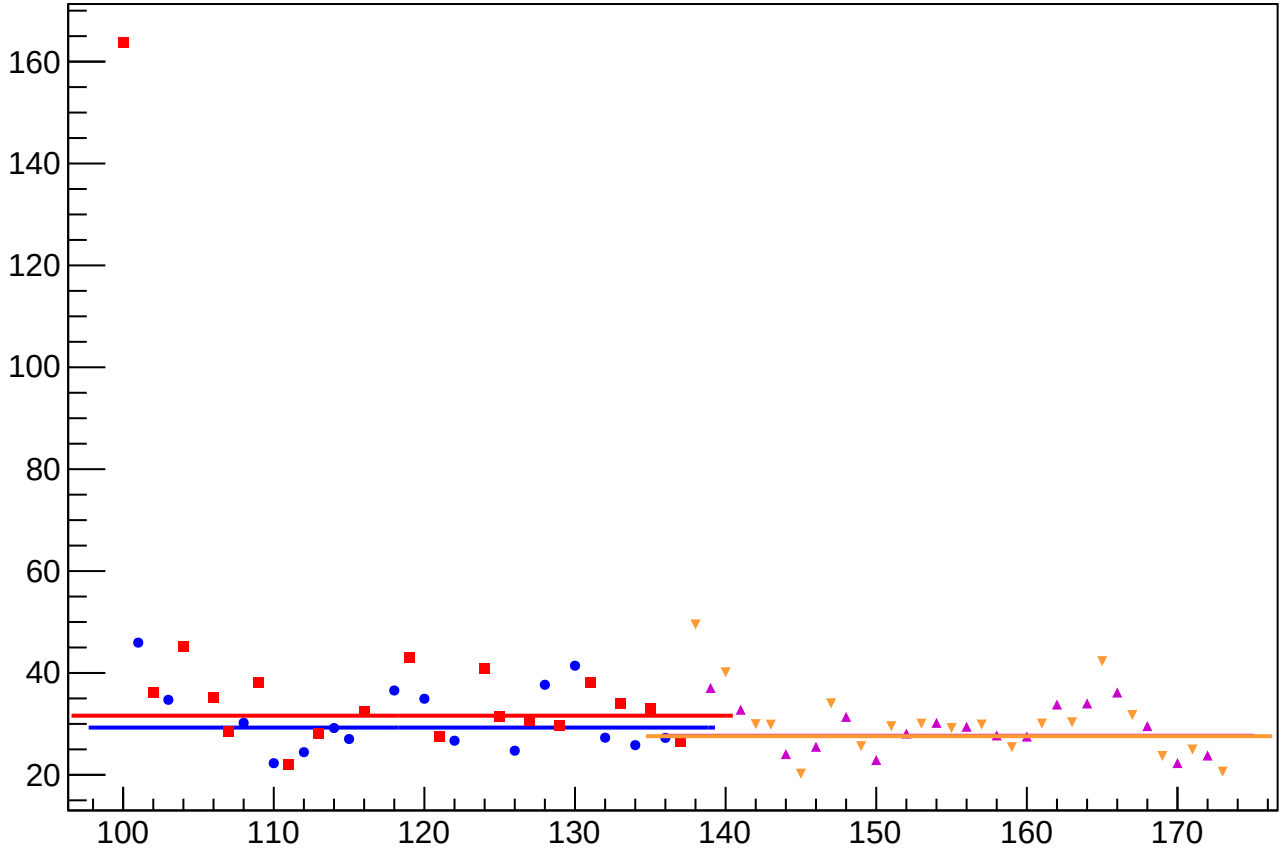
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:34.7/32

Out: 0.014+/-0.006 χ^2/NDF:40.4/37

All: 0.000+/-0.004 χ^2/NDF: 84.0/70

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: 27.585+/-0.005 χ^2/NDF:1205984.8/18

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.670+/-0.005 χ^2/NDF:594639.0/16

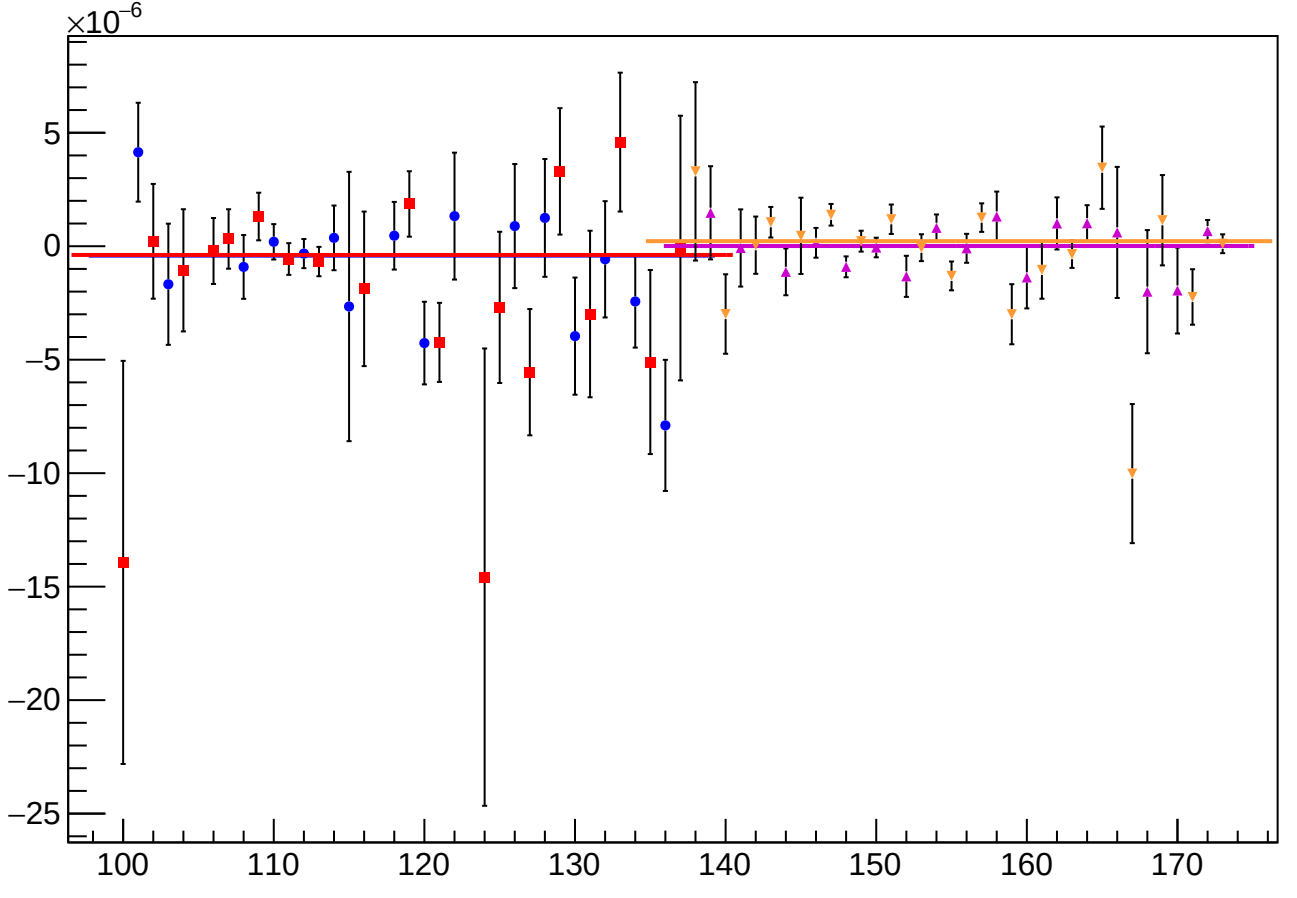
Left: 27.626+/-0.004 χ^2/NDF: 1800752.4/35

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.172+/-0.004 χ^2/NDF:1182934.9/32

Out: 28.675+/-0.004 χ^2/NDF:1939878.9/37

All: 28.425+/-0.003 χ^2/NDF: 3129143.6/70



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:49.0/18

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:18.1/16

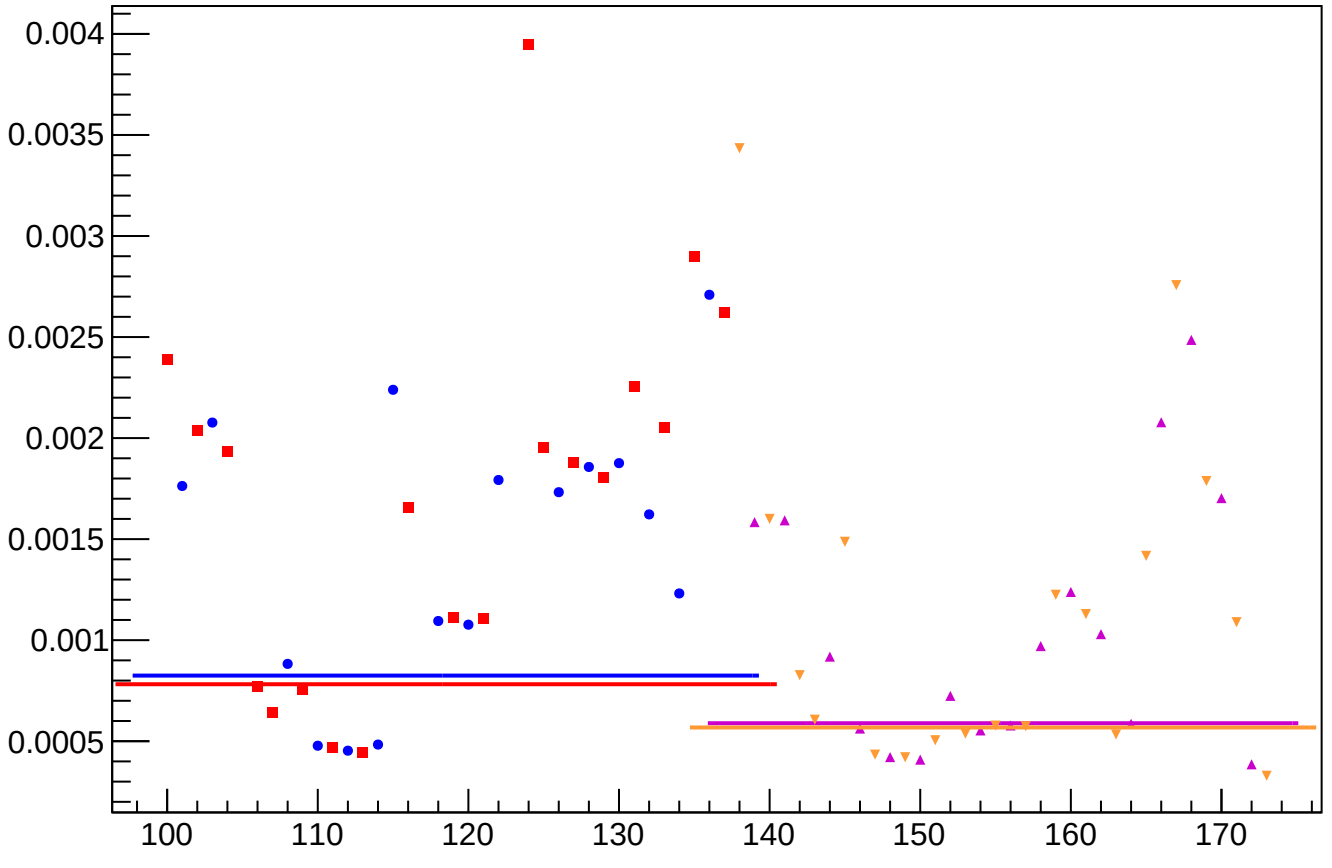
Left: 0.000+/-0.000 χ^2/NDF: 67.8/35

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:40.3/32

Out: 0.000+/-0.000 χ^2/NDF:76.7/37

All: 0.000+/-0.000 χ^2/NDF: 117.7/70



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:6962040.1/18

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:5575505.1/16

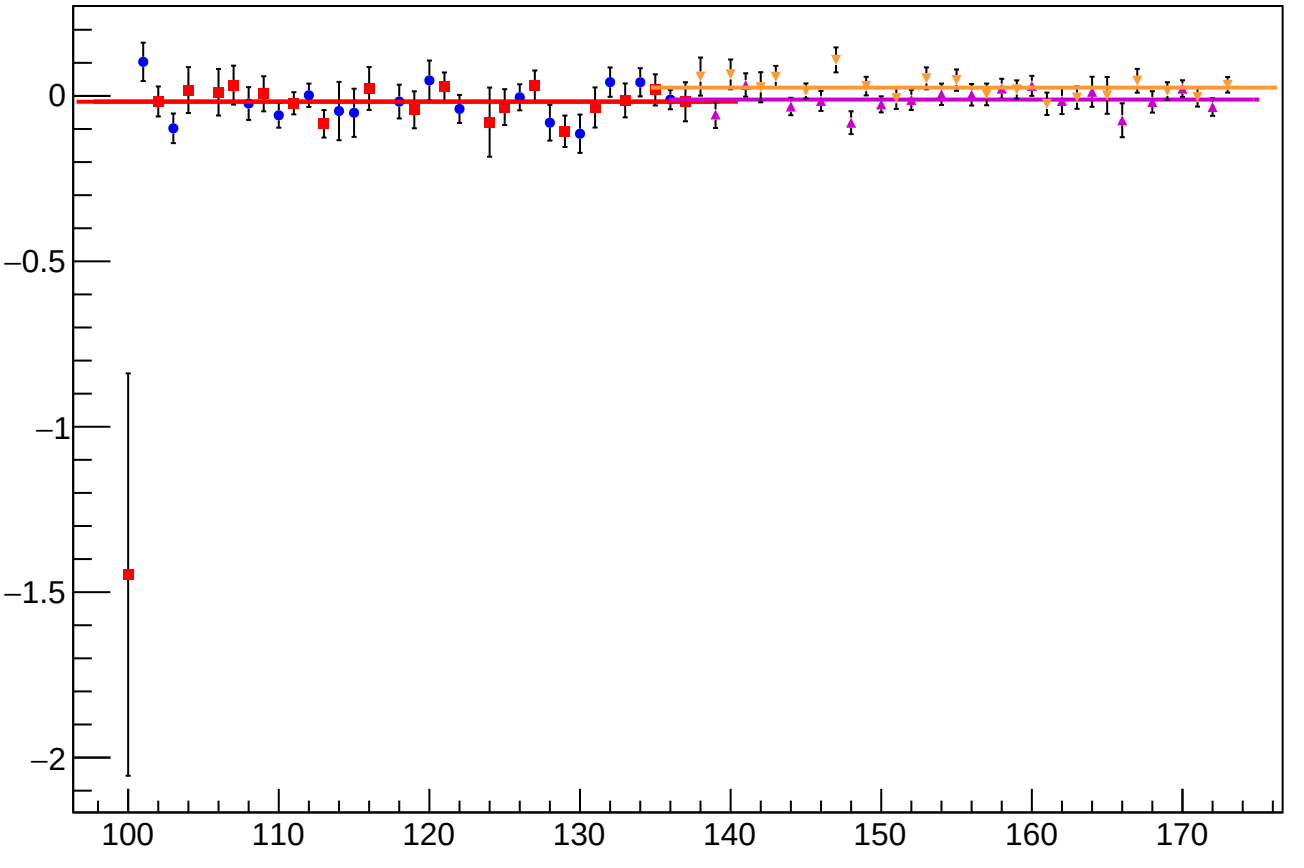
Left: 0.001+/-0.000 χ^2/NDF: 12551394.6/35

Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:10670639.1/32

Out: 0.001+/-0.000 χ^2/NDF:12207497.4/37

All: 0.001+/-0.000 χ^2/NDF: 22906077.7/70



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.5/18

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.008 χ^2/NDF:15.7/16

Left: 0.008+/-0.005 χ^2/NDF: 41.9/35

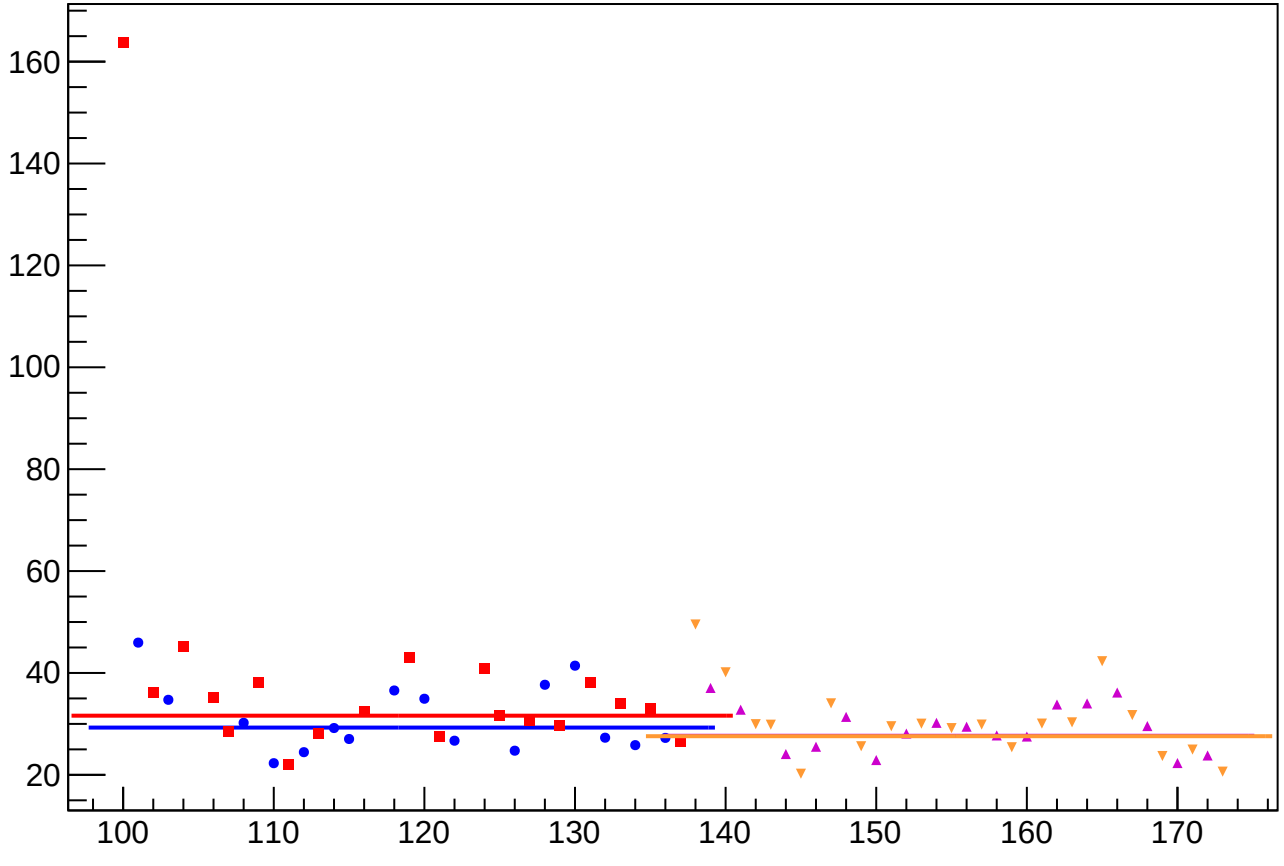
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:34.7/32

Out: 0.014+/-0.006 χ^2/NDF:40.4/37

All: 0.000+/-0.004 χ^2/NDF: 84.0/70

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: 27.585+/-0.005 χ^2/NDF:1206042.5/18

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.670+/-0.005 χ^2/NDF:594627.2/16

Left: 27.626+/-0.004 χ^2/NDF: 1800798.5/35

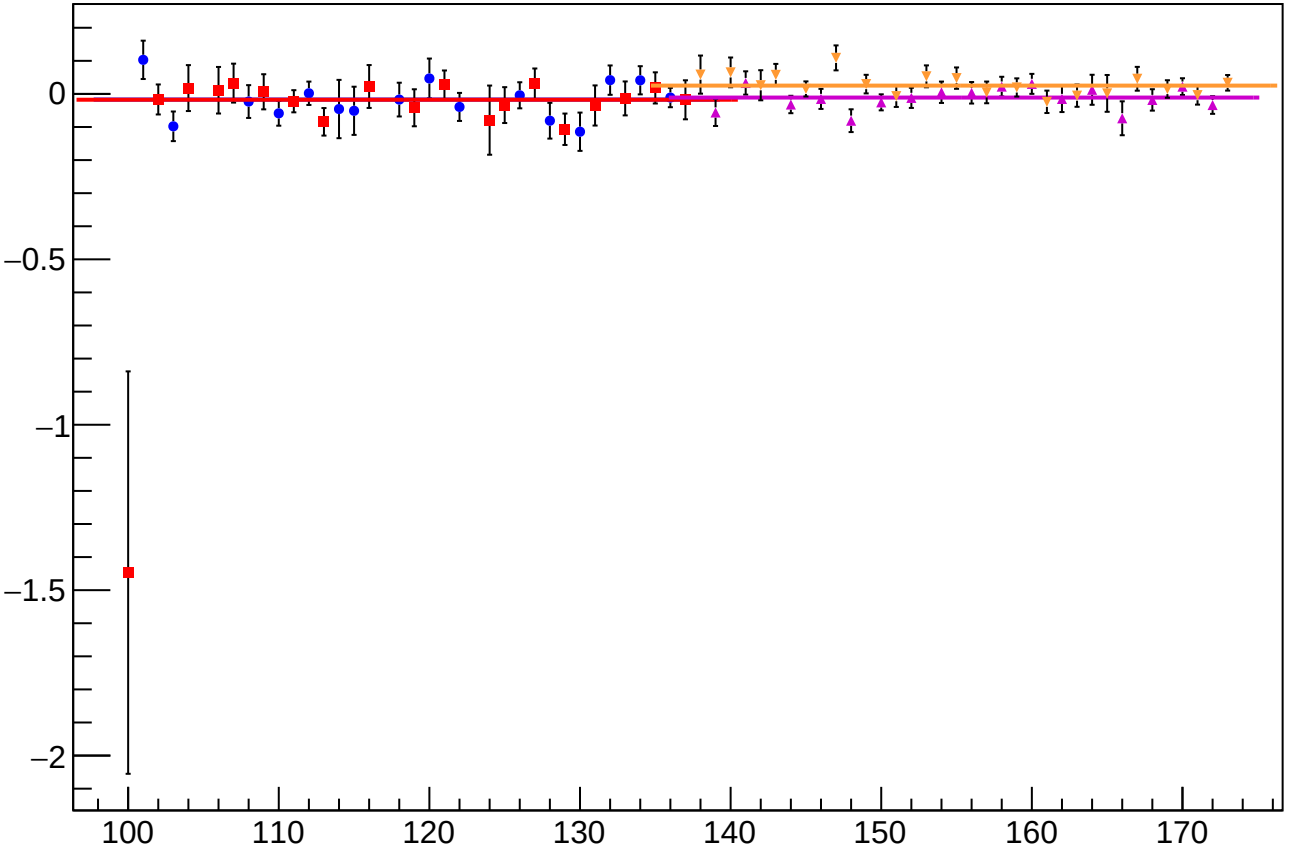
Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.172+/-0.004 χ^2/NDF:1182931.9/32

Out: 28.675+/-0.004 χ^2/NDF:1939969.6/37

All: 28.425+/-0.003 χ^2/NDF: 3129230.4/70

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: 0.025+/-0.007 χ^2/NDF:14.5/18

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.011+/-0.008 χ^2/NDF:15.7/16

Left: 0.008+/-0.005 χ^2/NDF: 41.9/35

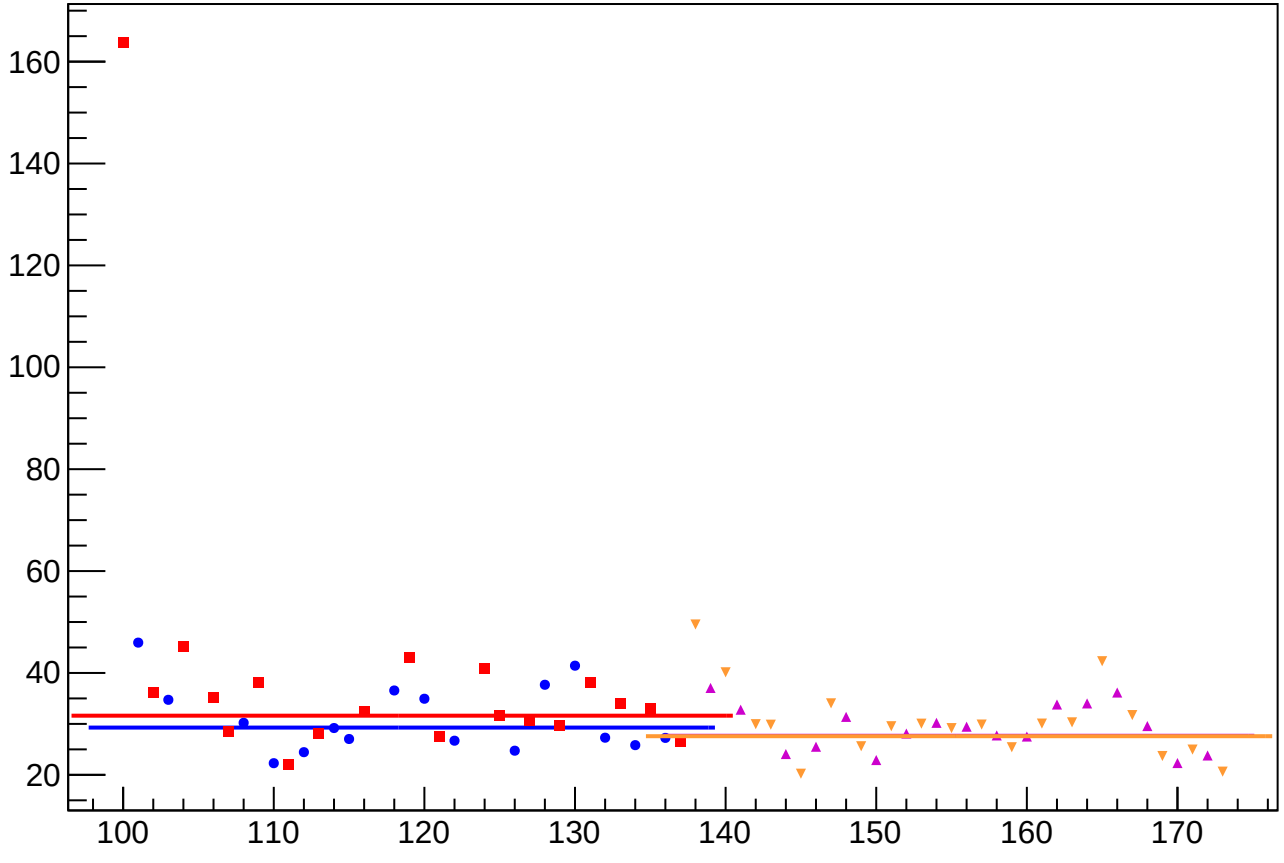
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:34.7/32

Out: 0.014+/-0.006 χ^2/NDF:40.4/37

All: 0.000+/-0.004 χ^2/NDF: 84.0/70

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: 27.585+/-0.005 χ^2/NDF:1206042.5/18

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.670+/-0.005 χ^2/NDF:594627.2/16

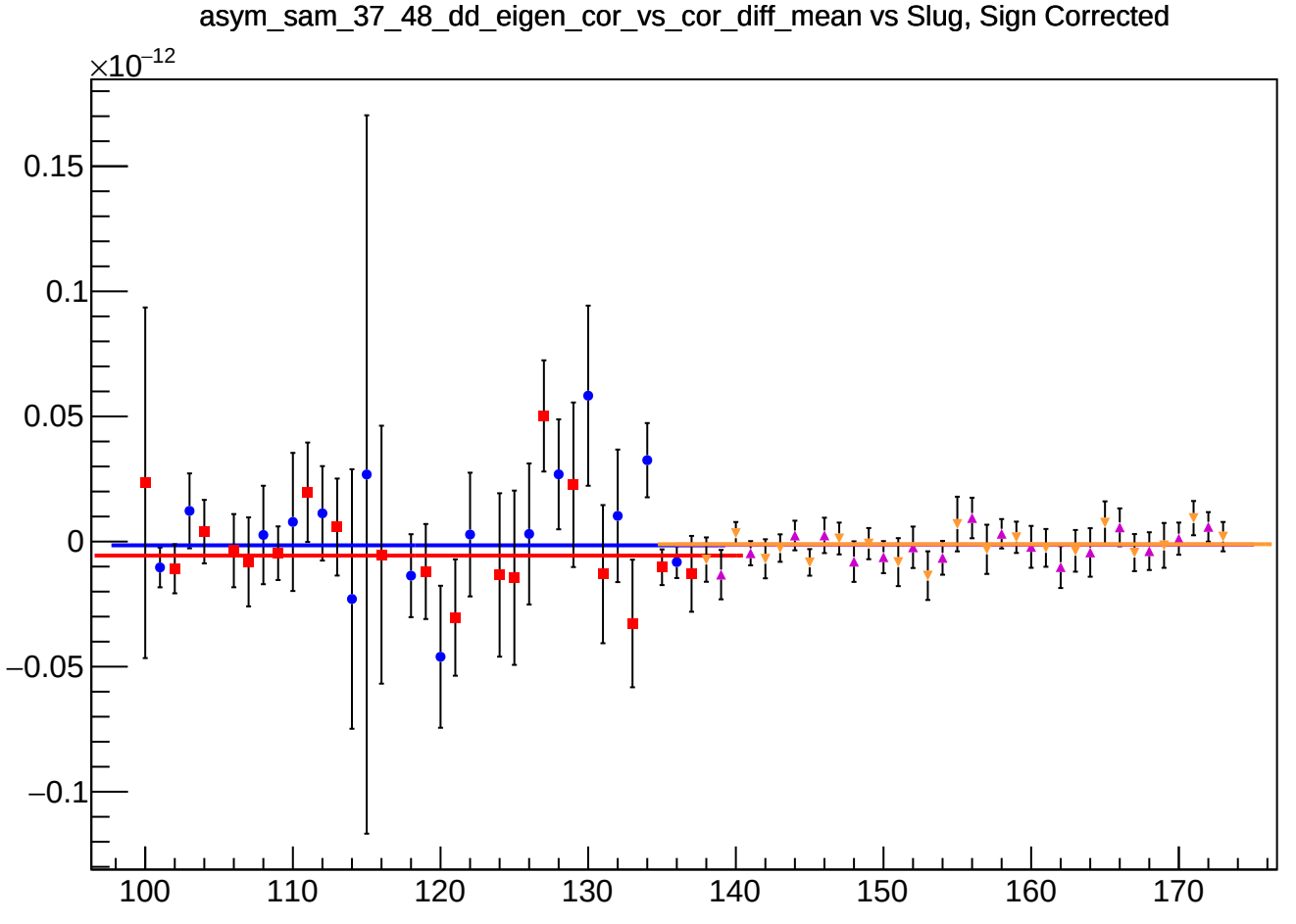
Left: 27.626+/-0.004 χ^2/NDF: 1800798.5/35

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.172+/-0.004 χ^2/NDF:1182931.9/32

Out: 28.675+/-0.004 χ^2/NDF:1939969.6/37

All: 28.425+/-0.003 χ^2/NDF: 3129230.4/70



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.0/18

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: -0.000+/-0.000 χ^2/NDF:10.6/16

Left: -0.000+/-0.000 χ^2/NDF: 21.7/35

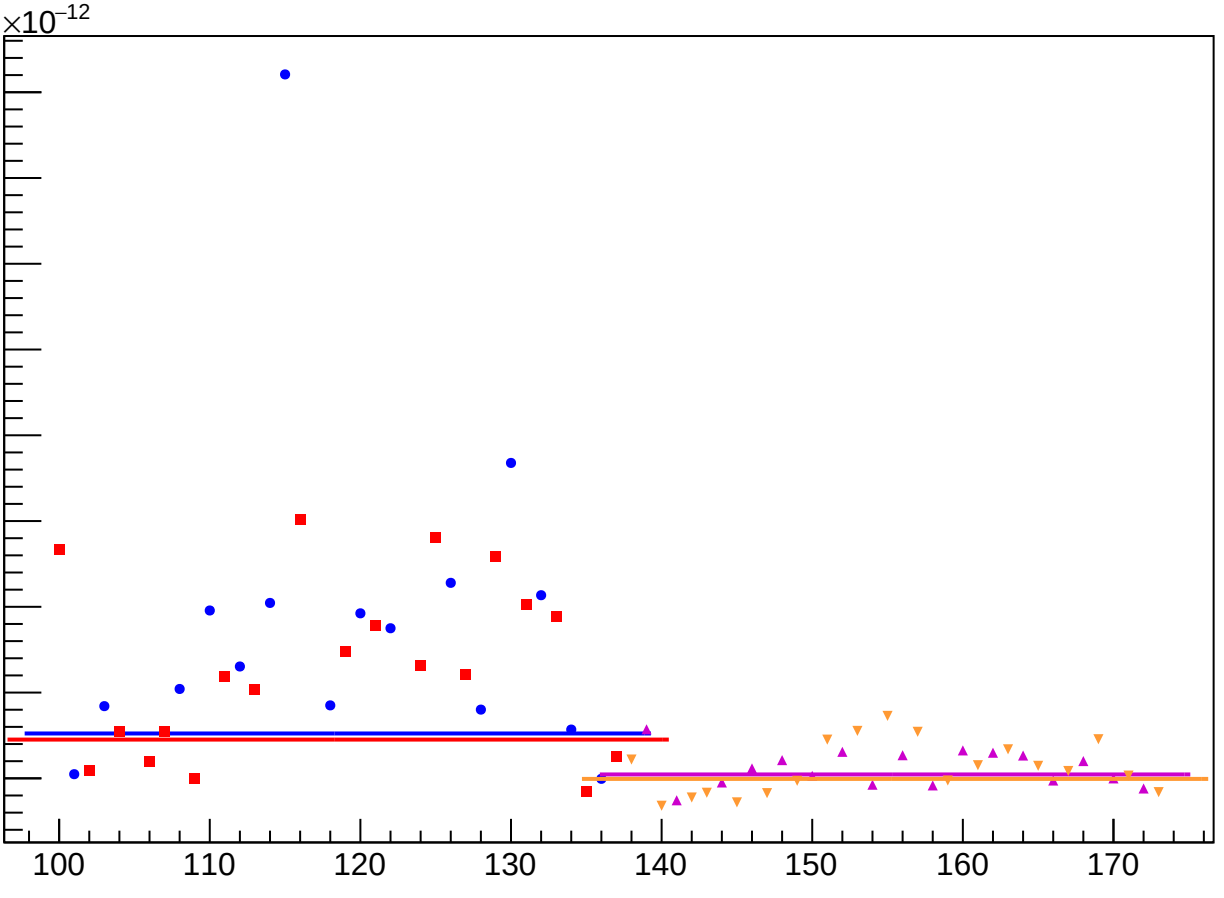
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:27.6/32

Out: -0.000+/-0.000 χ^2/NDF:25.6/37

All: -0.000+/-0.000 χ^2/NDF: 53.3/70

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:1486989.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:698492.1/16

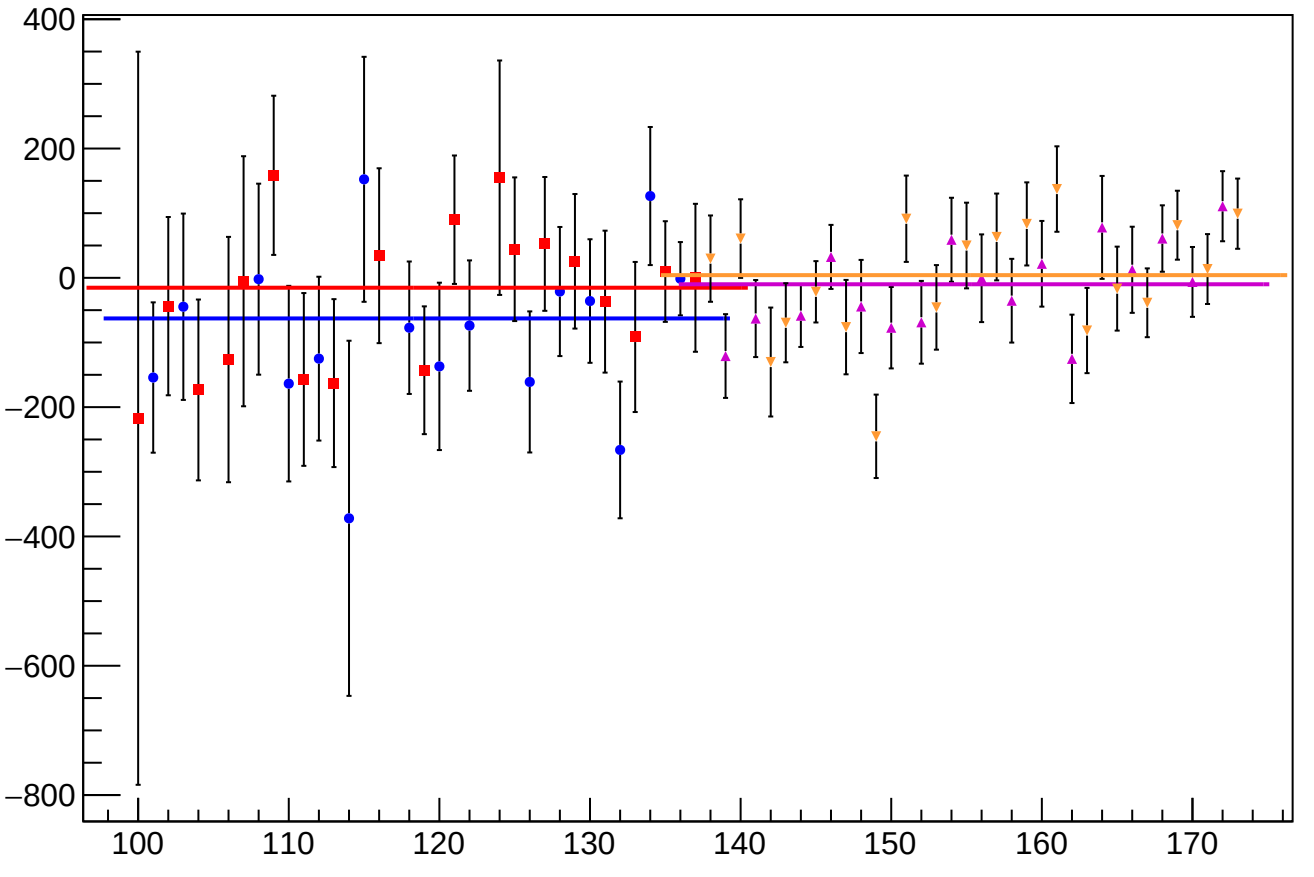
Left: 0.000+/-0.000 χ^2/NDF: 2210442.5/35

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:3372820.5/32

Out: 0.000+/-0.000 χ^2/NDF:4147228.7/37

All: 0.000+/-0.000 χ^2/NDF: 7555023.1/70



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: 4.165+/-14.131 χ^2/NDF:38.2/18

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -9.949+/-14.706 χ^2/NDF:20.2/16

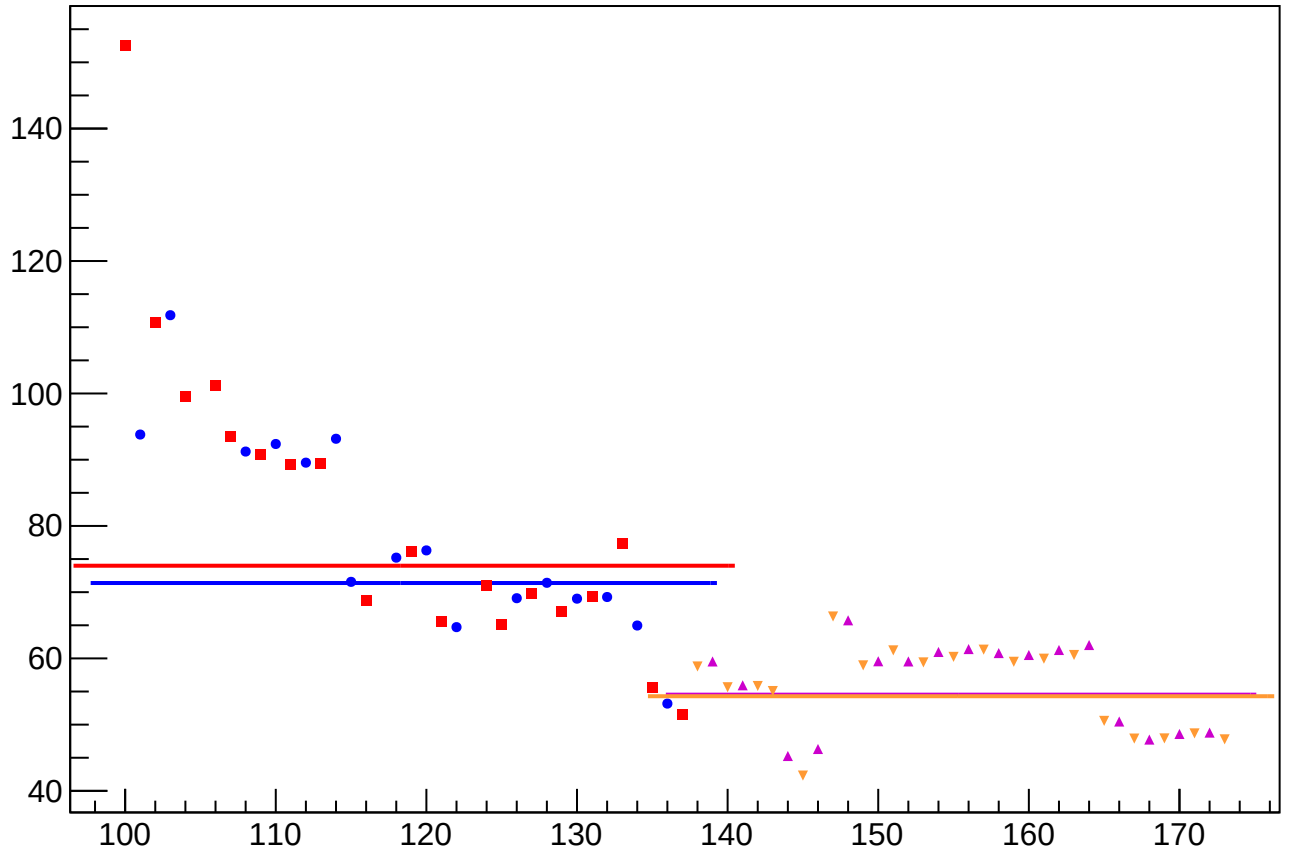
Left: -2.611+/-10.189 χ^2/NDF: 58.9/35

Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -21.894+/-12.938 χ^2/NDF:36.7/32

Out: 0.164+/-12.594 χ^2/NDF:50.1/37

All: -10.569+/-9.025 χ^2/NDF: 88.2/70



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 54.289+/-0.010 χ^2/NDF:435041.9/18

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 54.525+/-0.010 χ^2/NDF:416433.8/16

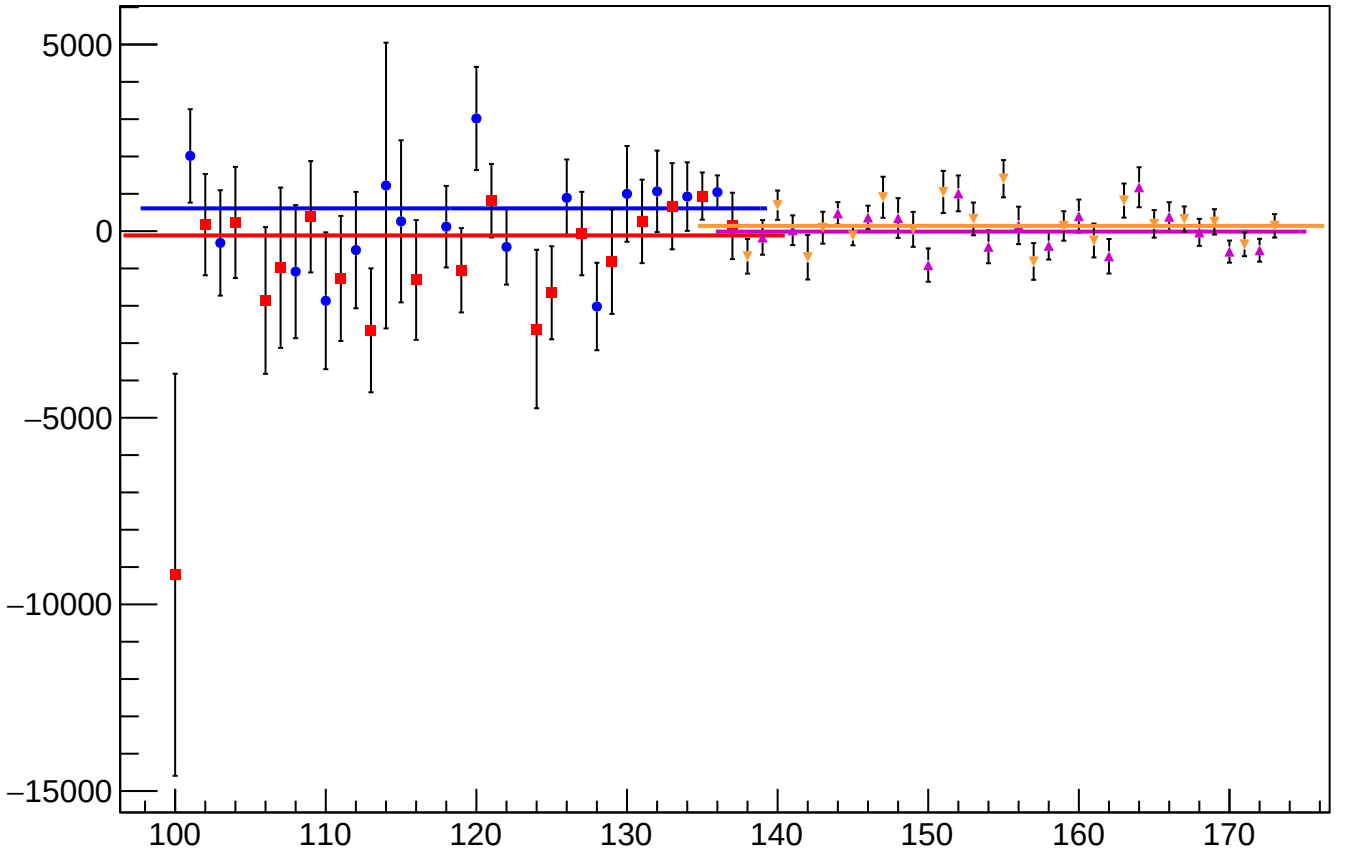
Left: 54.402+/-0.007 χ^2/NDF: 851744.5/35

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 58.336+/-0.009 χ^2/NDF:1601386.3/32

Out: 58.342+/-0.009 χ^2/NDF:1873363.8/37

All: 58.339+/-0.006 χ^2/NDF: 3474750.3/70



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 140.810+/-91.714 χ^2/NDF:28.7/18

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: -12.032+/-94.900 χ^2/NDF:30.1/16

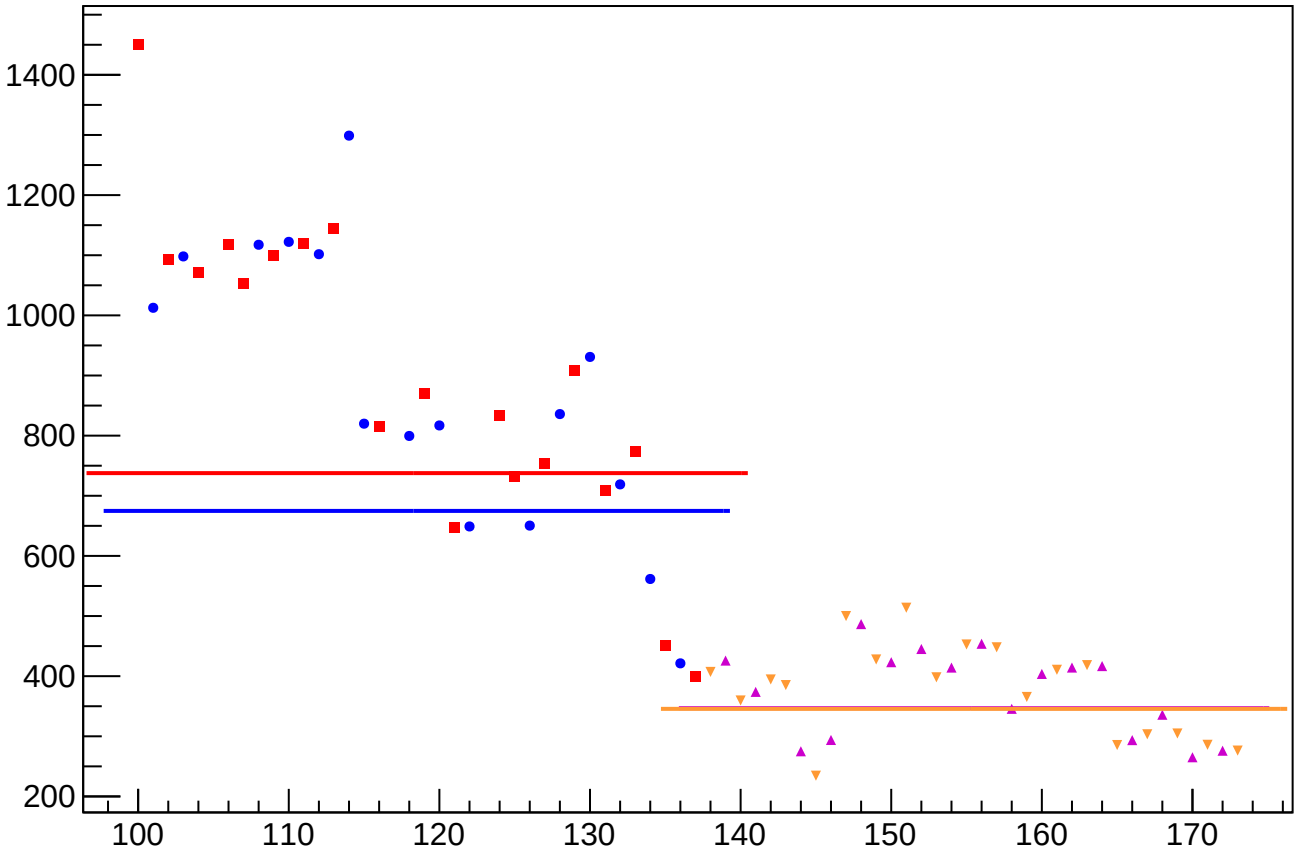
Left: 66.998+/-65.949 χ^2/NDF: 60.2/35

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 57.892+/-89.413 χ^2/NDF:50.7/32

Out: 116.734+/-87.285 χ^2/NDF:45.0/37

All: 88.021+/-62.459 χ^2/NDF: 95.9/70



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 345.652+/-0.065 χ^2/NDF:1405219.7/18

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 346.784+/-0.067 χ^2/NDF:1064370.8/16

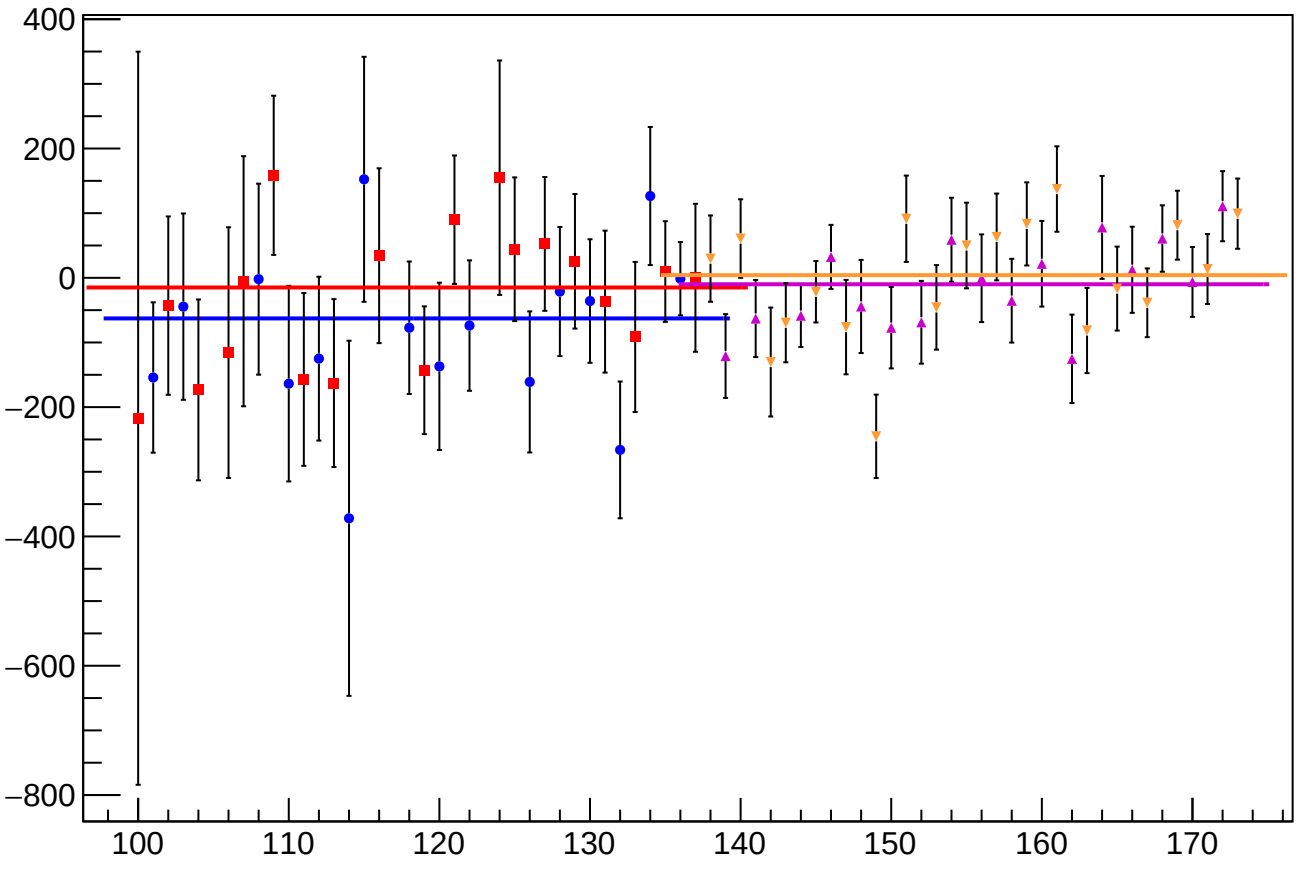
Left: 346.199+/-0.047 χ^2/NDF: 2469737.7/35

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 383.627+/-0.063 χ^2/NDF:5365971.9/32

Out: 382.601+/-0.062 χ^2/NDF:6366012.5/37

All: 383.102+/-0.044 χ^2/NDF: 11732119.2/70



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 4.165+/-14.131 χ^2/NDF:38.2/18

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -9.949+/-14.706 χ^2/NDF:20.3/16

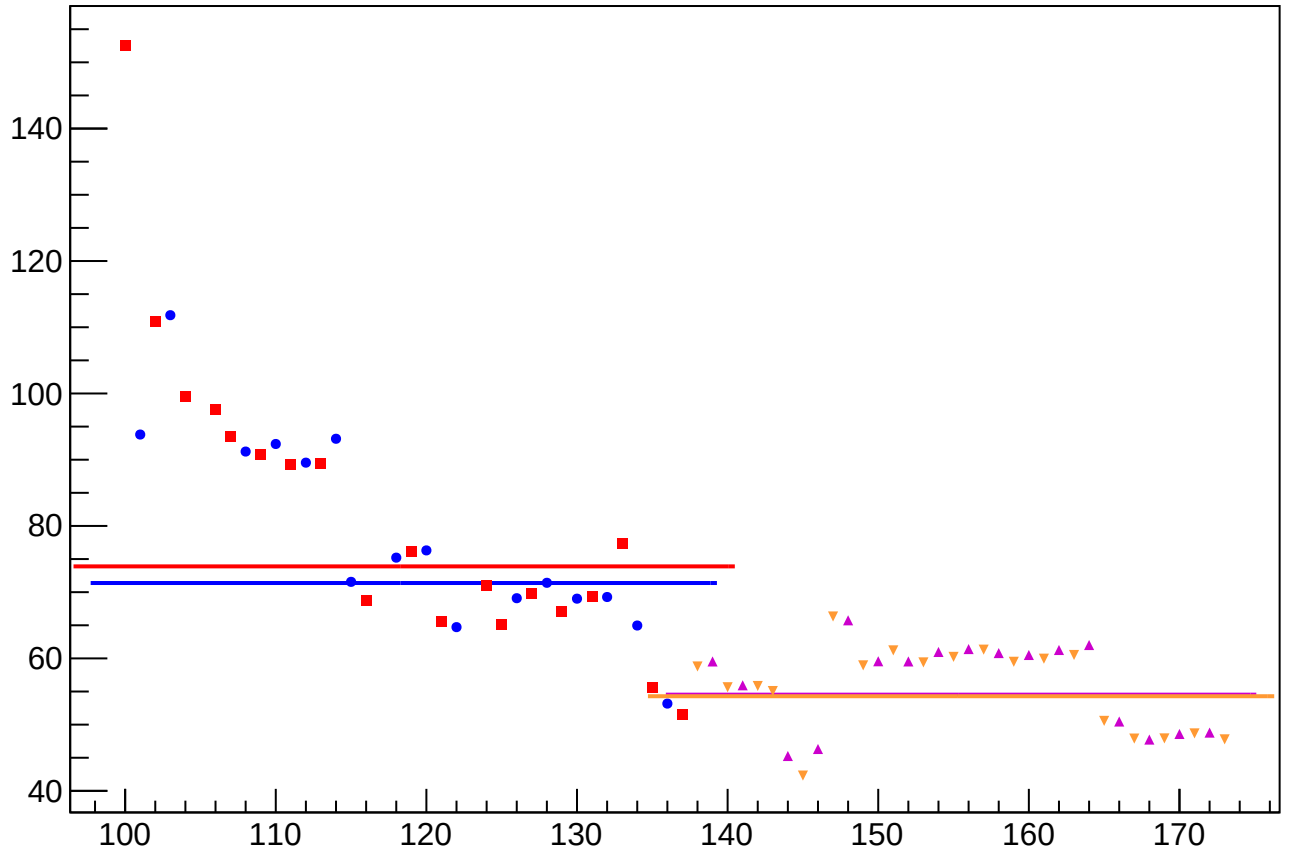
Left: -2.611+/-10.189 χ^2/NDF: 58.9/35

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -21.893+/-12.938 χ^2/NDF:36.7/32

Out: 0.240+/-12.596 χ^2/NDF:50.0/37

All: -10.530+/-9.025 χ^2/NDF: 88.1/70



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 54.289+/-0.010 χ^2/NDF:435041.9/18

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 54.525+/-0.010 χ^2/NDF:416433.8/16

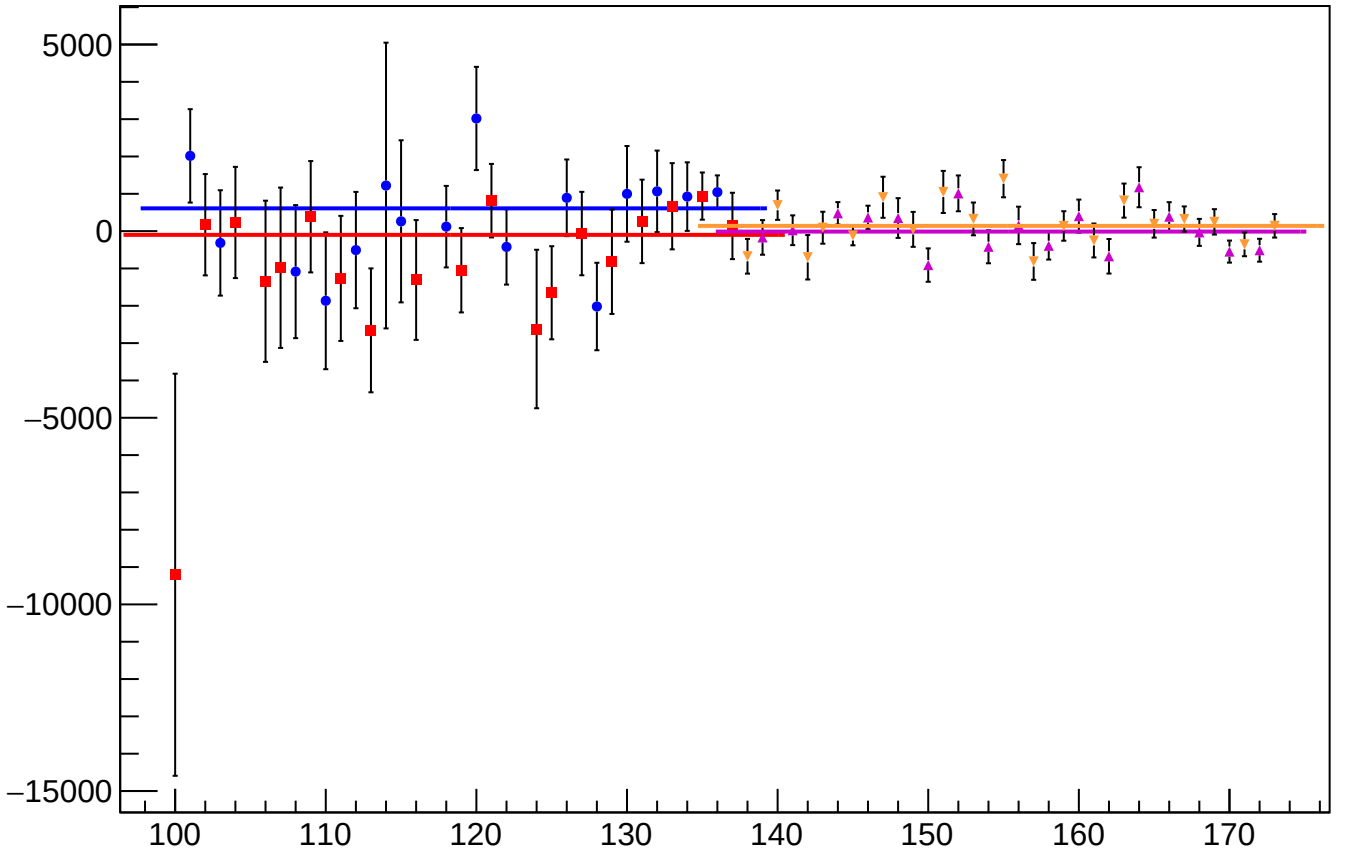
Left: 54.402+/-0.007 χ^2/NDF: 851744.5/35

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 58.336+/-0.009 χ^2/NDF:1601388.9/32

Out: 58.318+/-0.009 χ^2/NDF:1853255.6/37

All: 58.327+/-0.006 χ^2/NDF: 3454646.3/70



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 140.807+/-91.714 χ^2/NDF:28.7/18

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -12.034+/-94.900 χ^2/NDF:30.1/16

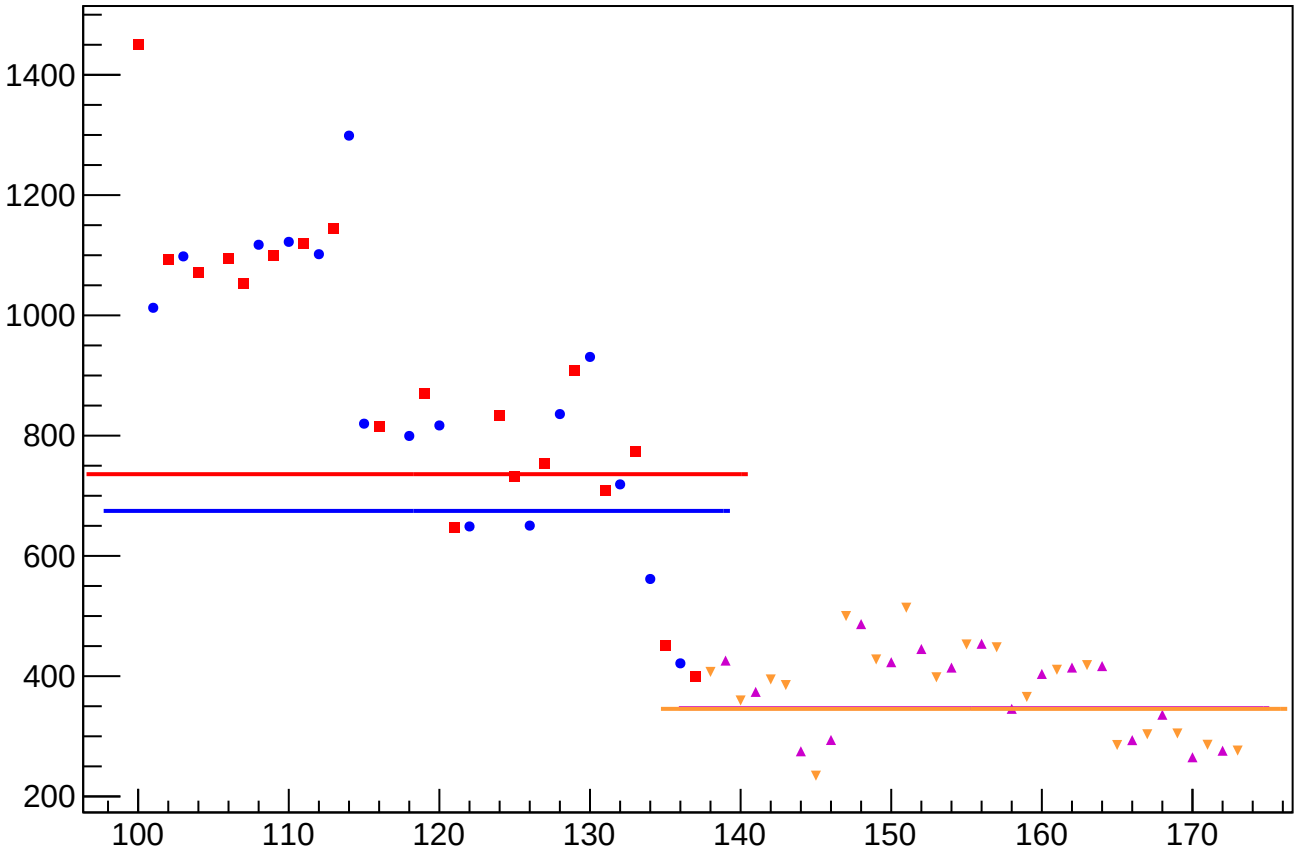
Left: 66.995+/-65.949 χ^2/NDF: 60.2/35

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 57.888+/-89.413 χ^2/NDF:50.7/32

Out: 118.227+/-87.300 χ^2/NDF:44.5/37

All: 88.779+/-62.464 χ^2/NDF: 95.4/70



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 345.652+/-0.065 χ^2/NDF:1405219.9/18

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 346.784+/-0.067 χ^2/NDF:1064376.4/16

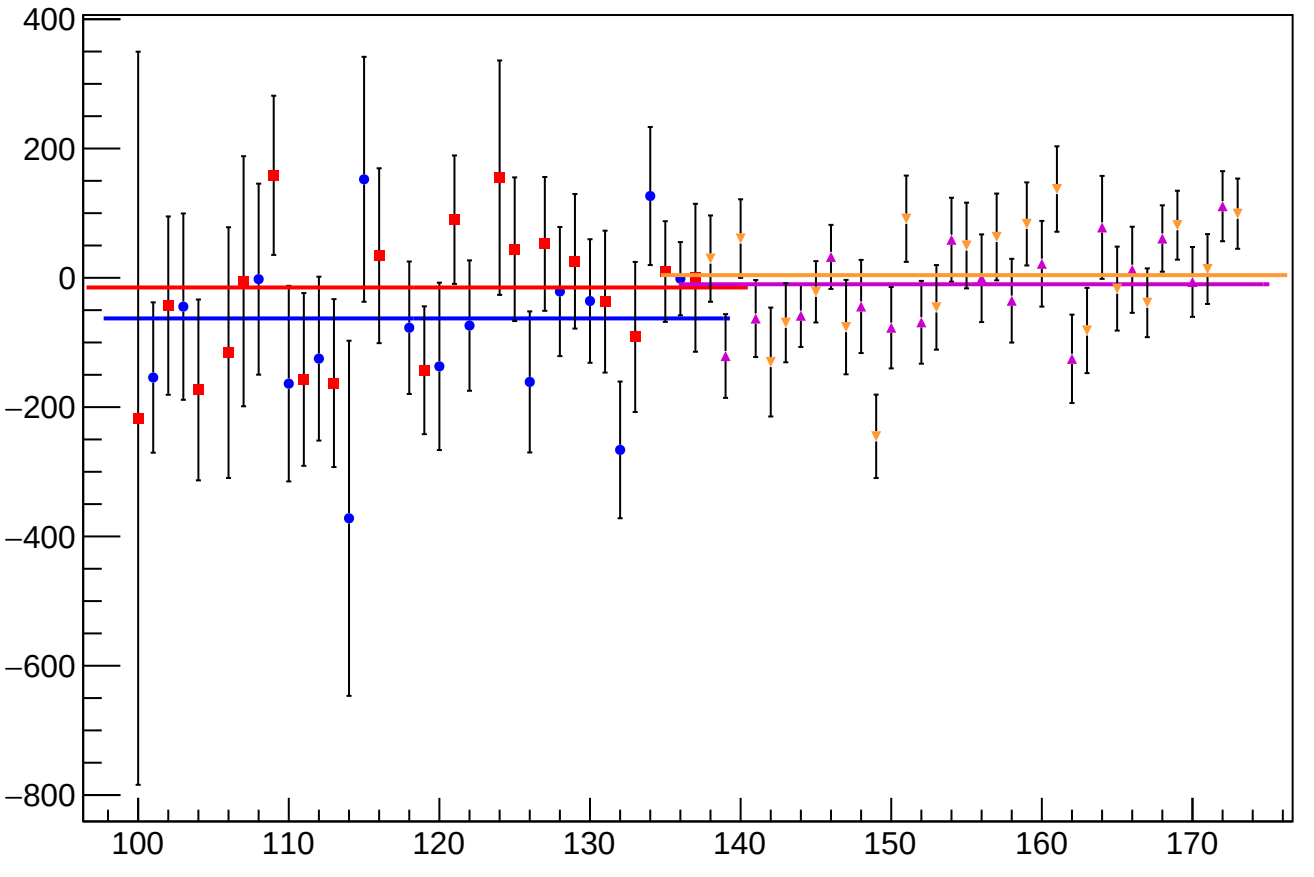
Left: 346.199+/-0.047 χ^2/NDF: 2469743.4/35

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 383.627+/-0.063 χ^2/NDF:5365999.1/32

Out: 382.314+/-0.062 χ^2/NDF:6304211.9/37

All: 382.955+/-0.044 χ^2/NDF: 11670431.6/70



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 4.165+/-14.131 χ^2/NDF:38.2/18

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -9.949+/-14.706 χ^2/NDF:20.3/16

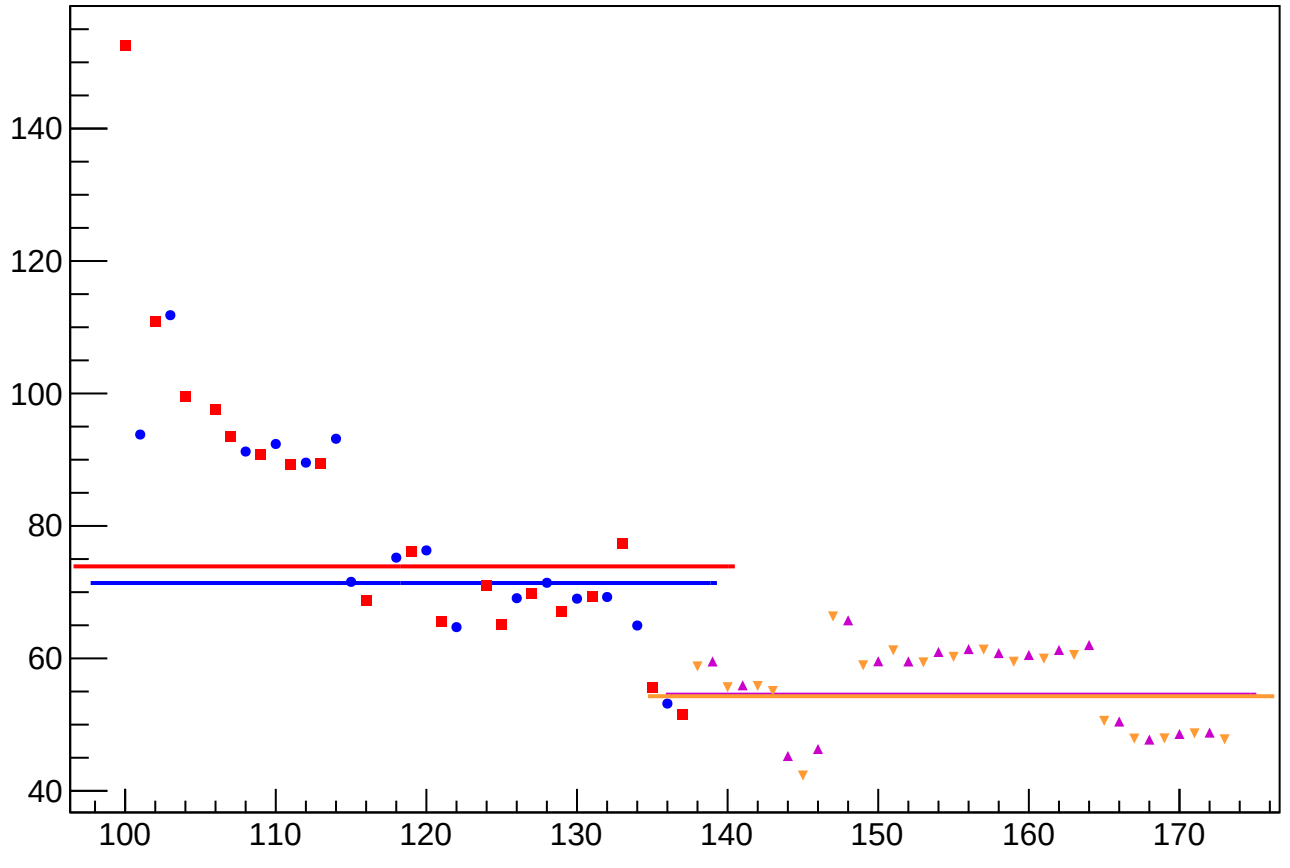
Left: -2.611+/-10.189 χ^2/NDF: 58.9/35

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -21.893+/-12.938 χ^2/NDF:36.7/32

Out: 0.240+/-12.596 χ^2/NDF:50.0/37

All: -10.530+/-9.025 χ^2/NDF: 88.1/70



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 54.289+/-0.010 χ^2/NDF:435041.9/18

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 54.525+/-0.010 χ^2/NDF:416433.8/16

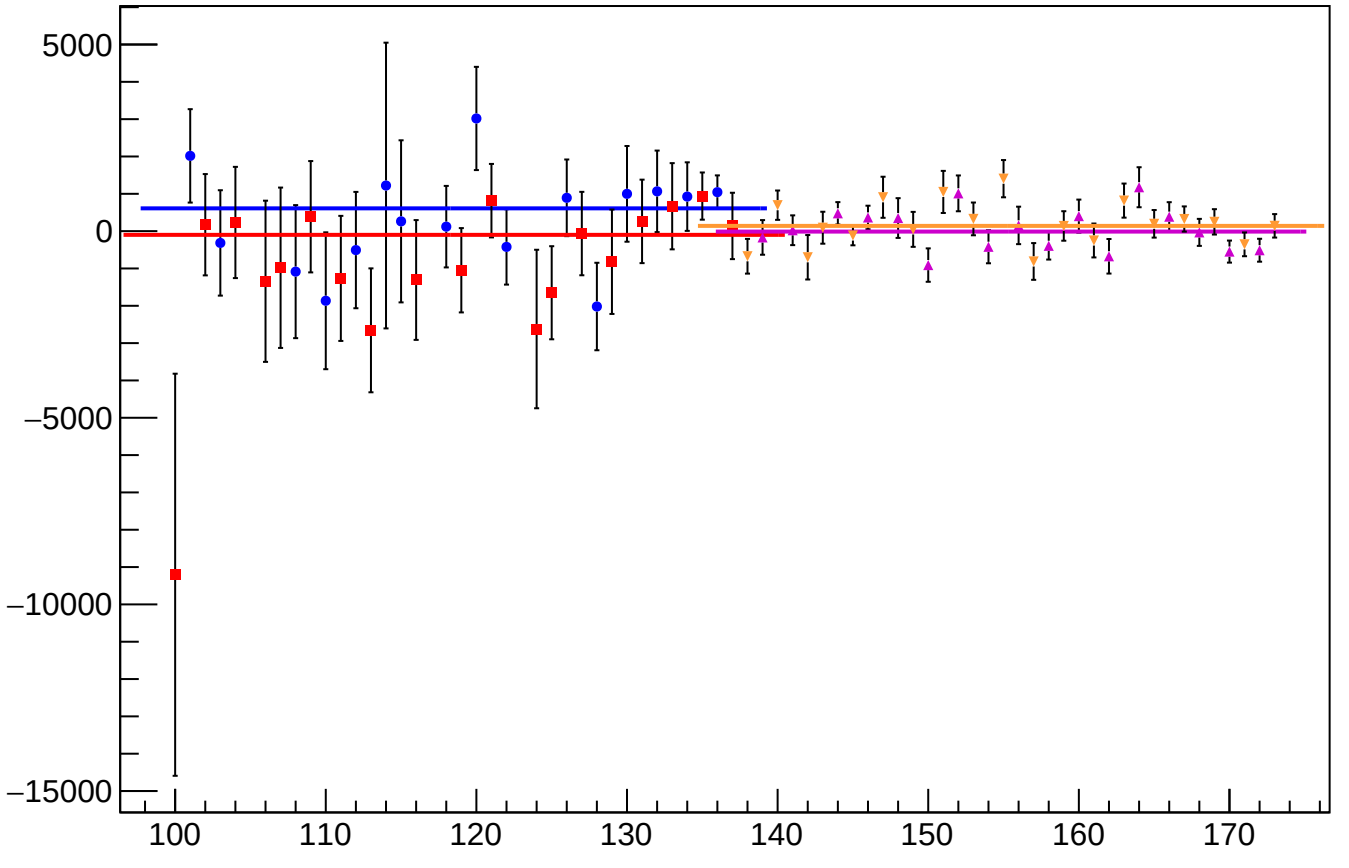
Left: 54.402+/-0.007 χ^2/NDF: 851744.5/35

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 58.336+/-0.009 χ^2/NDF:1601388.9/32

Out: 58.318+/-0.009 χ^2/NDF:1853255.6/37

All: 58.327+/-0.006 χ^2/NDF: 3454646.3/70



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 140.807+/-91.714 χ^2/NDF:28.7/18

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -12.034+/-94.900 χ^2/NDF:30.1/16

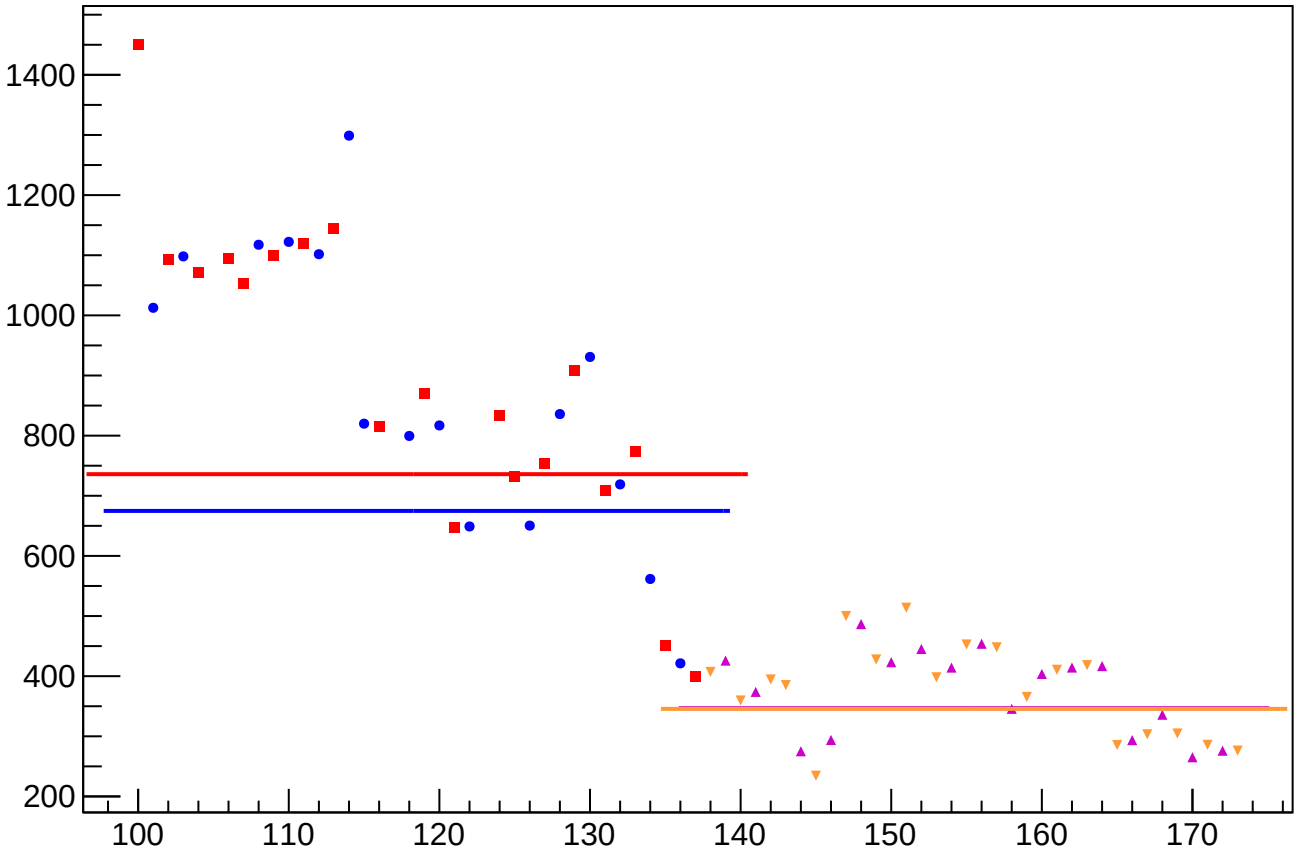
Left: 66.995+/-65.949 χ^2/NDF: 60.2/35

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 57.888+/-89.413 χ^2/NDF:50.7/32

Out: 118.227+/-87.300 χ^2/NDF:44.5/37

All: 88.779+/-62.464 χ^2/NDF: 95.4/70



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 345.652+/-0.065 χ^2/NDF:1405219.9/18

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 346.784+/-0.067 χ^2/NDF:1064376.4/16

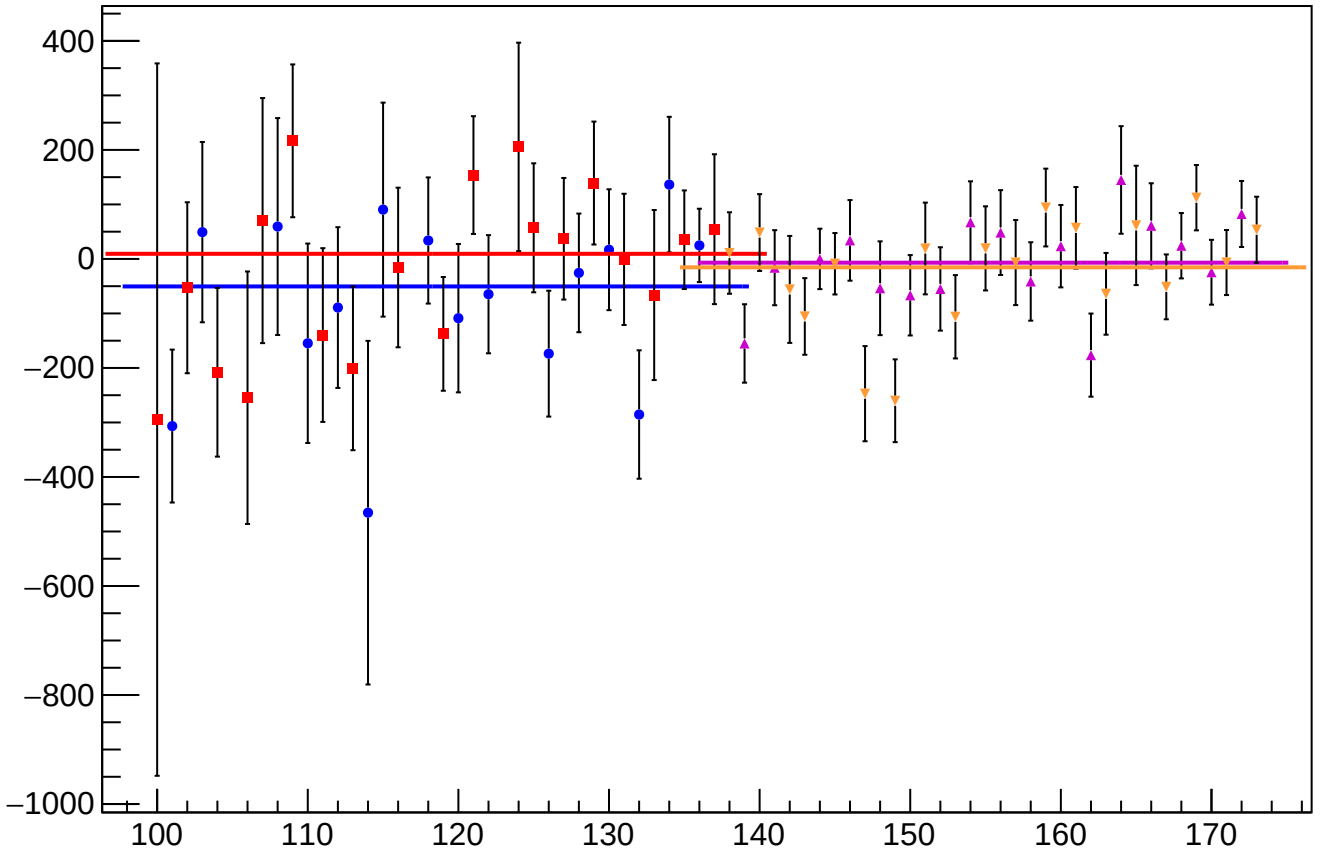
Left: 346.199+/-0.047 χ^2/NDF: 2469743.4/35

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 383.627+/-0.063 χ^2/NDF:5365999.1/32

Out: 382.314+/-0.062 χ^2/NDF:6304211.9/37

All: 382.955+/-0.044 χ^2/NDF: 11670431.6/70



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -15.419+/-16.436 χ^2/NDF:32.5/18

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -6.856+/-17.187 χ^2/NDF:18.4/16

Left: -11.329+/-11.879 χ^2/NDF: 51.0/35

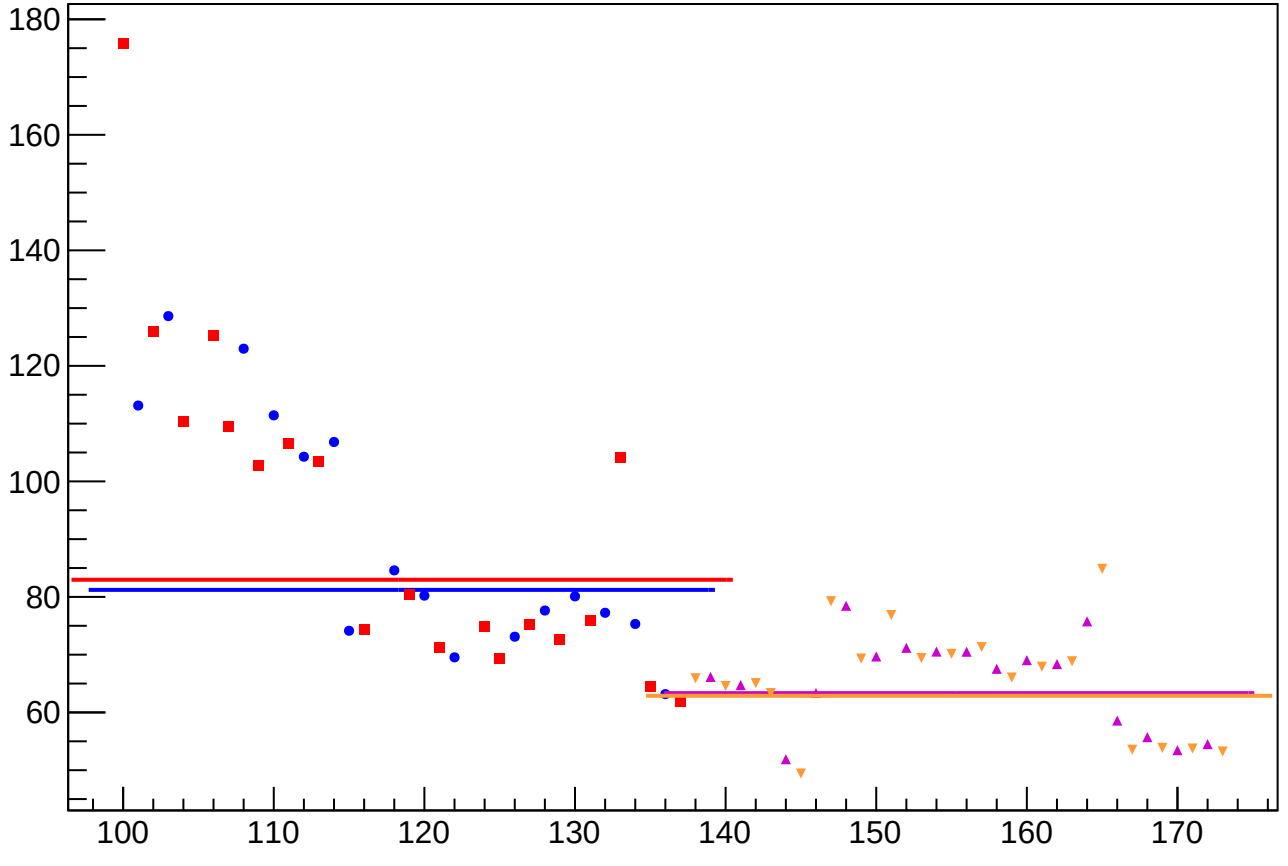
Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -17.079+/-15.038 χ^2/NDF:36.3/32

Out: -10.041+/-14.545 χ^2/NDF:48.5/37

All: -13.442+/-10.455 χ^2/NDF: 85.0/70

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 62.881+/-0.012 χ^2/NDF:613926.4/18

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 63.338+/-0.012 χ^2/NDF:418094.3/16

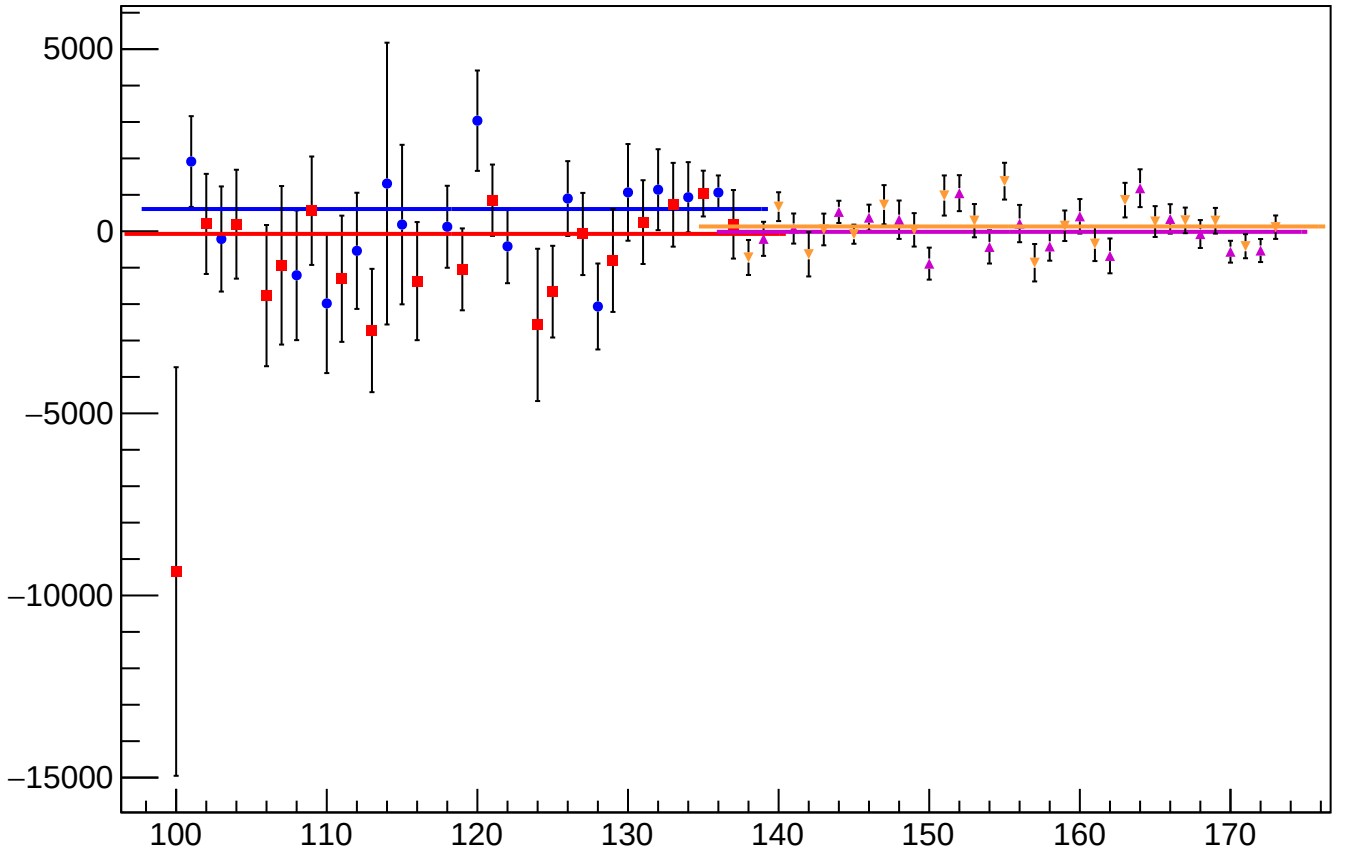
Left: 63.099+/-0.008 χ^2/NDF: 1032757.5/35

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 67.529+/-0.011 χ^2/NDF:1588352.8/32

Out: 67.238+/-0.010 χ^2/NDF:1992263.1/37

All: 67.378+/-0.007 χ^2/NDF: 3581003.7/70



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 131.186+/-94.400 χ^2/NDF:27.4/18

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: -16.291+/-98.214 χ^2/NDF:30.5/16

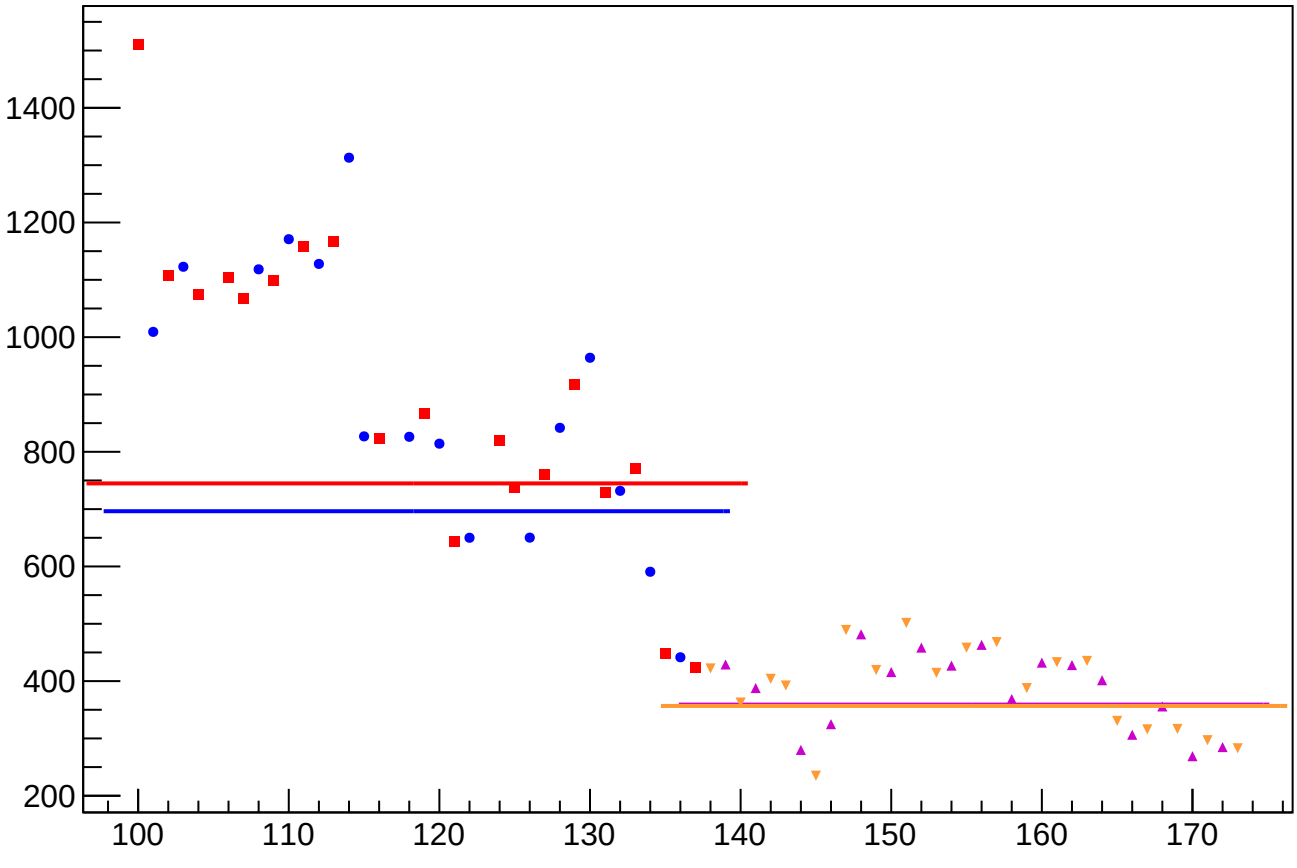
Left: 60.366+/-68.059 χ^2/NDF: 59.0/35

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 55.067+/-92.453 χ^2/NDF:50.9/32

Out: 111.298+/-89.669 χ^2/NDF:44.0/37

All: 84.042+/-64.367 χ^2/NDF: 95.1/70



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 356.678+/-0.067 χ^2/NDF:1344962.4/18

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 359.057+/-0.069 χ^2/NDF:985685.0/16

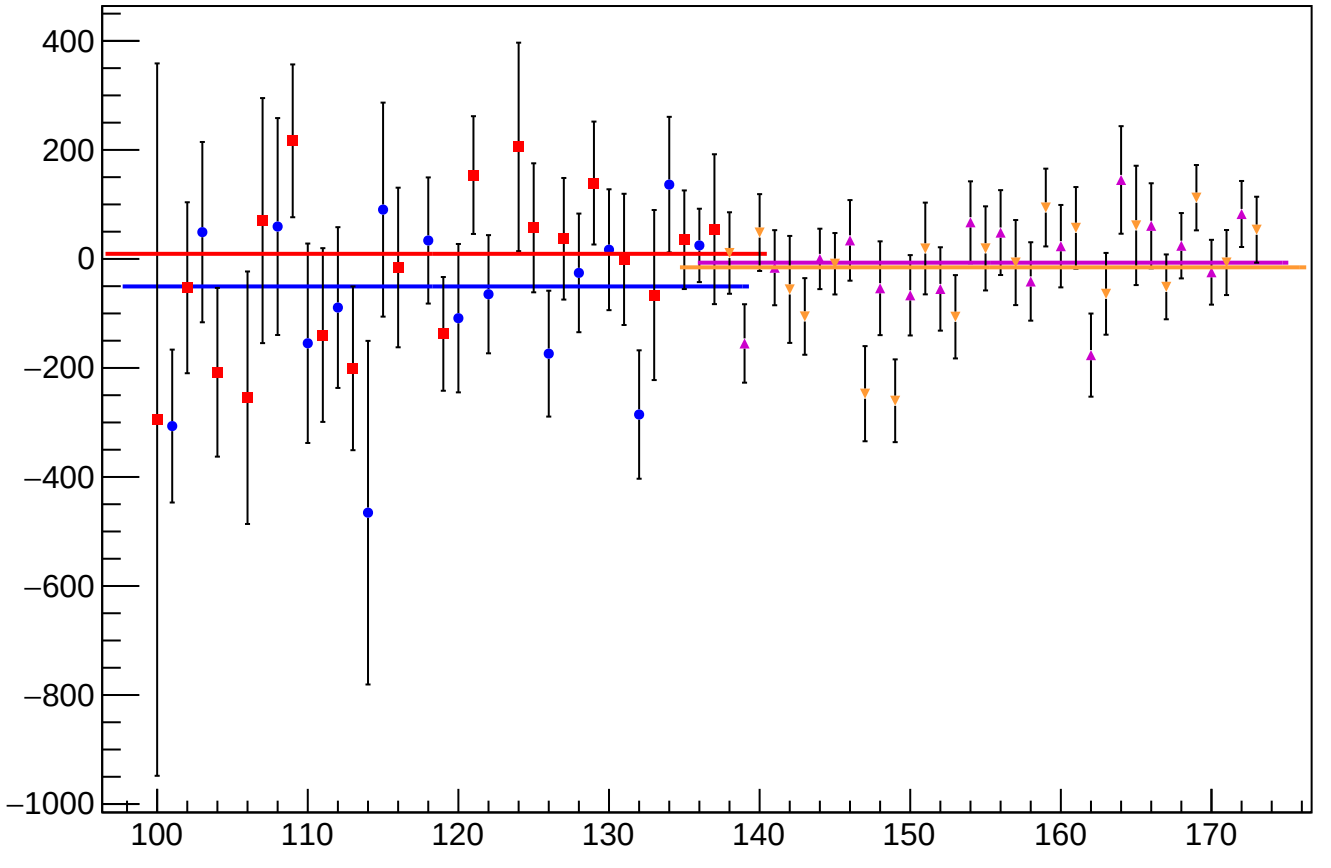
Left: 357.820+/-0.048 χ^2/NDF: 2331257.4/35

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 397.466+/-0.065 χ^2/NDF:5187460.3/32

Out: 394.617+/-0.063 χ^2/NDF:6148703.3/37

All: 395.998+/-0.046 χ^2/NDF: 11337142.4/70



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -15.418+/-16.436 χ^2/NDF:32.5/18

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -6.856+/-17.187 χ^2/NDF:18.4/16

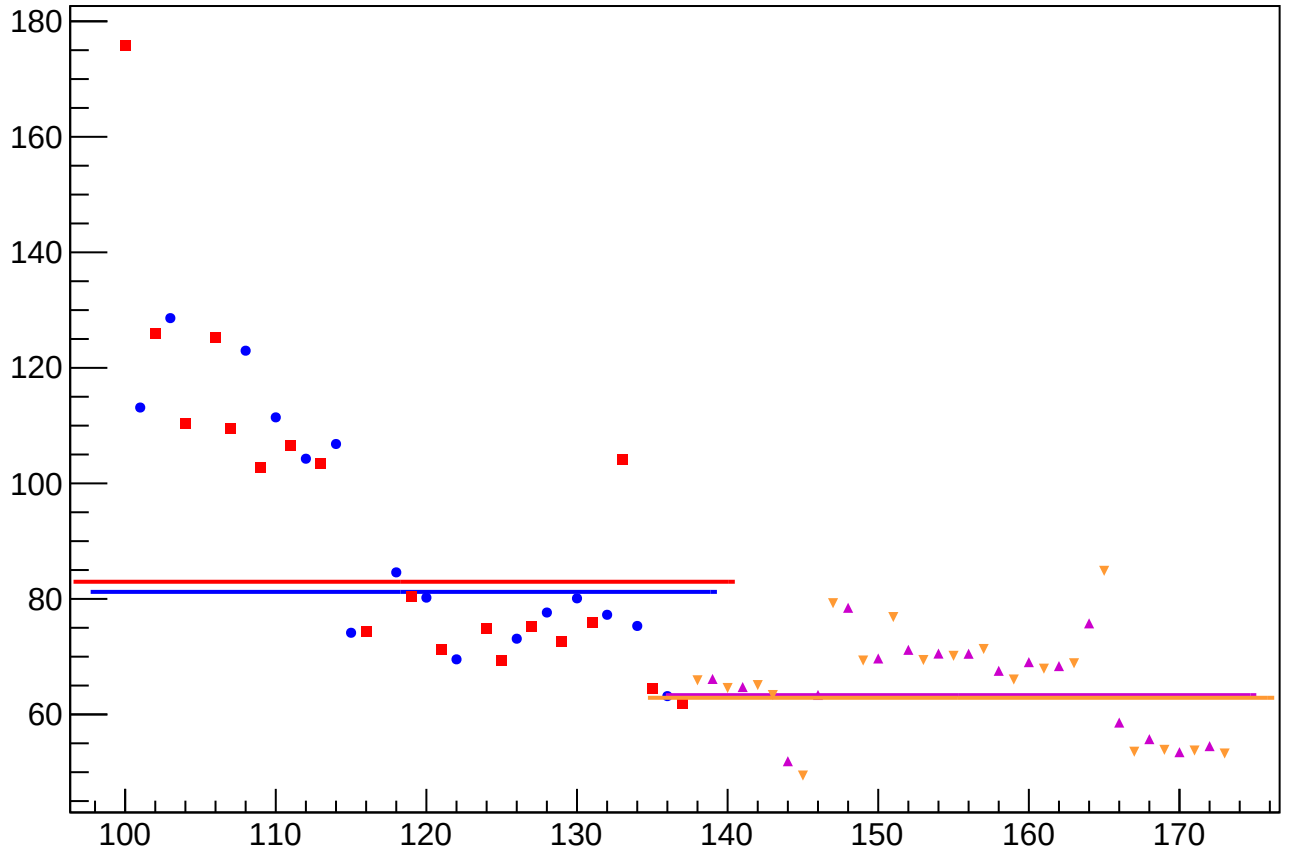
Left: -11.328+/-11.879 χ^2/NDF: 51.0/35

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -17.078+/-15.038 χ^2/NDF:36.3/32

Out: -10.040+/-14.545 χ^2/NDF:48.5/37

All: -13.442+/-10.455 χ^2/NDF: 85.0/70



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 62.881+/-0.012 χ^2/NDF:613922.5/18

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 63.338+/-0.012 χ^2/NDF:418090.4/16

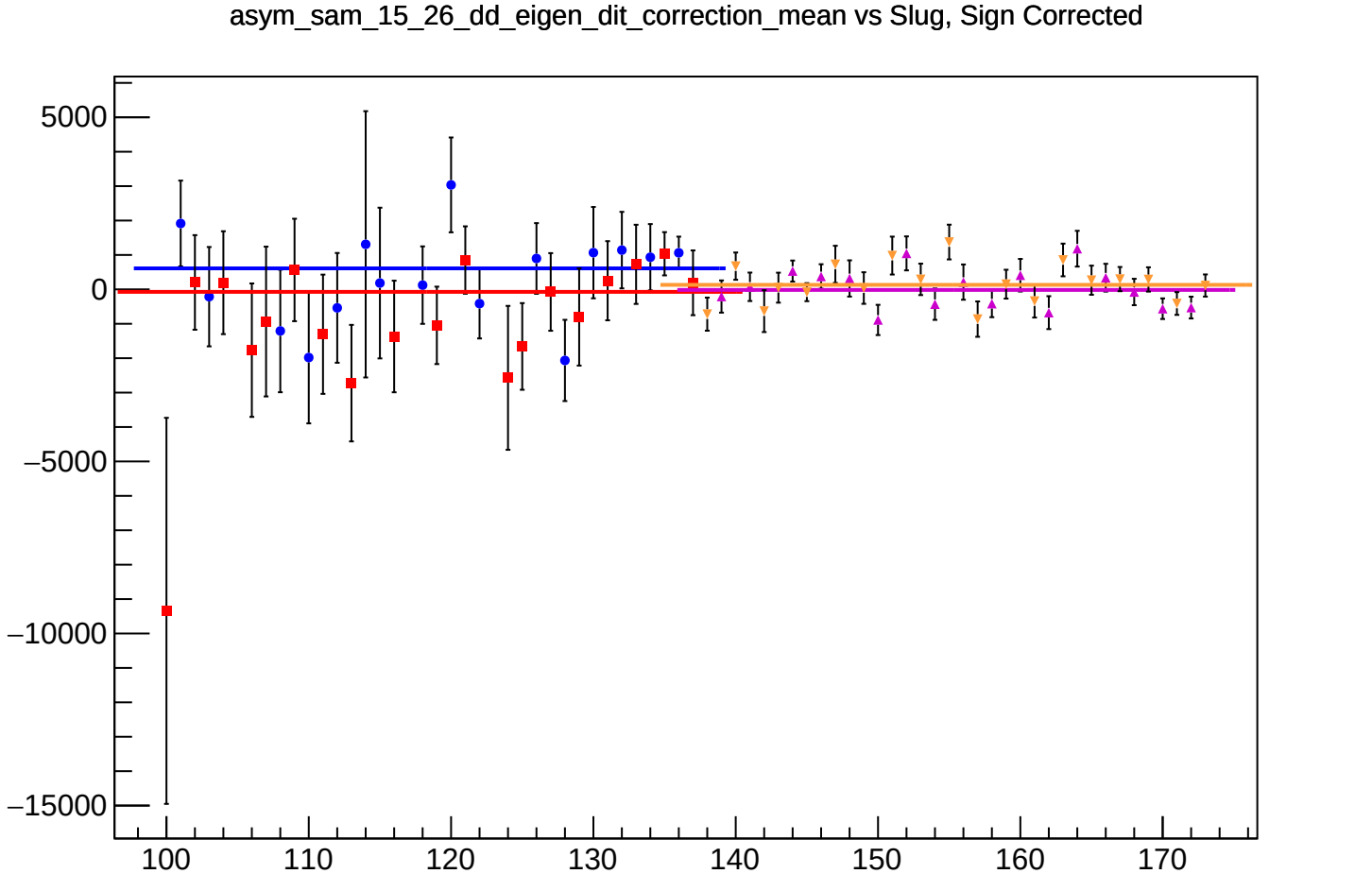
Left: 63.099+/-0.008 χ^2/NDF: 1032749.7/35

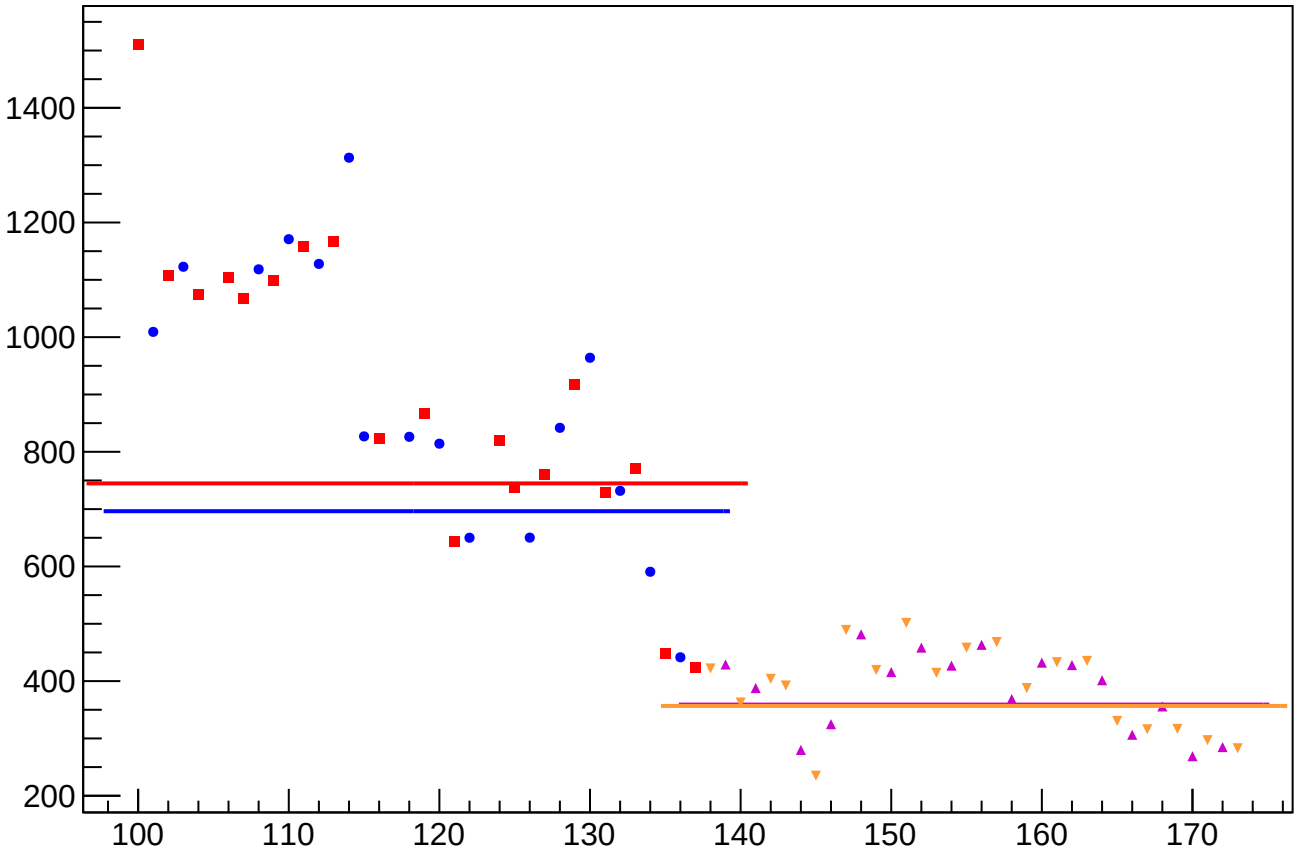
Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 67.529+/-0.011 χ^2/NDF:1588306.1/32

Out: 67.238+/-0.010 χ^2/NDF:1992225.0/37

All: 67.379+/-0.007 χ^2/NDF: 3580918.8/70


asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 610.382+/-273.981 χ²/NDF: 15.8/15
Left Out: 131.187+/-94.400 χ²/NDF:27.4/18
Right Out: -72.313+/-286.830 χ²/NDF: 16.2/18
Left In: -16.291+/-98.214 χ²/NDF:30.5/16
Left: 60.366+/-68.059 χ²/NDF: 59.0/35
Right: 284.667+/-198.121 χ²/NDF: 34.9/34
In: 55.067+/-92.453 χ²/NDF:50.9/32
Out: 111.298+/-89.669 χ²/NDF:44.0/37
All: 84.042+/-64.367 χ²/NDF: 95.1/70



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 356.678+/-0.067 χ^2/NDF:1344975.5/18

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 359.057+/-0.069 χ^2/NDF:985694.3/16

Left: 357.820+/-0.048 χ^2/NDF: 2331279.8/35

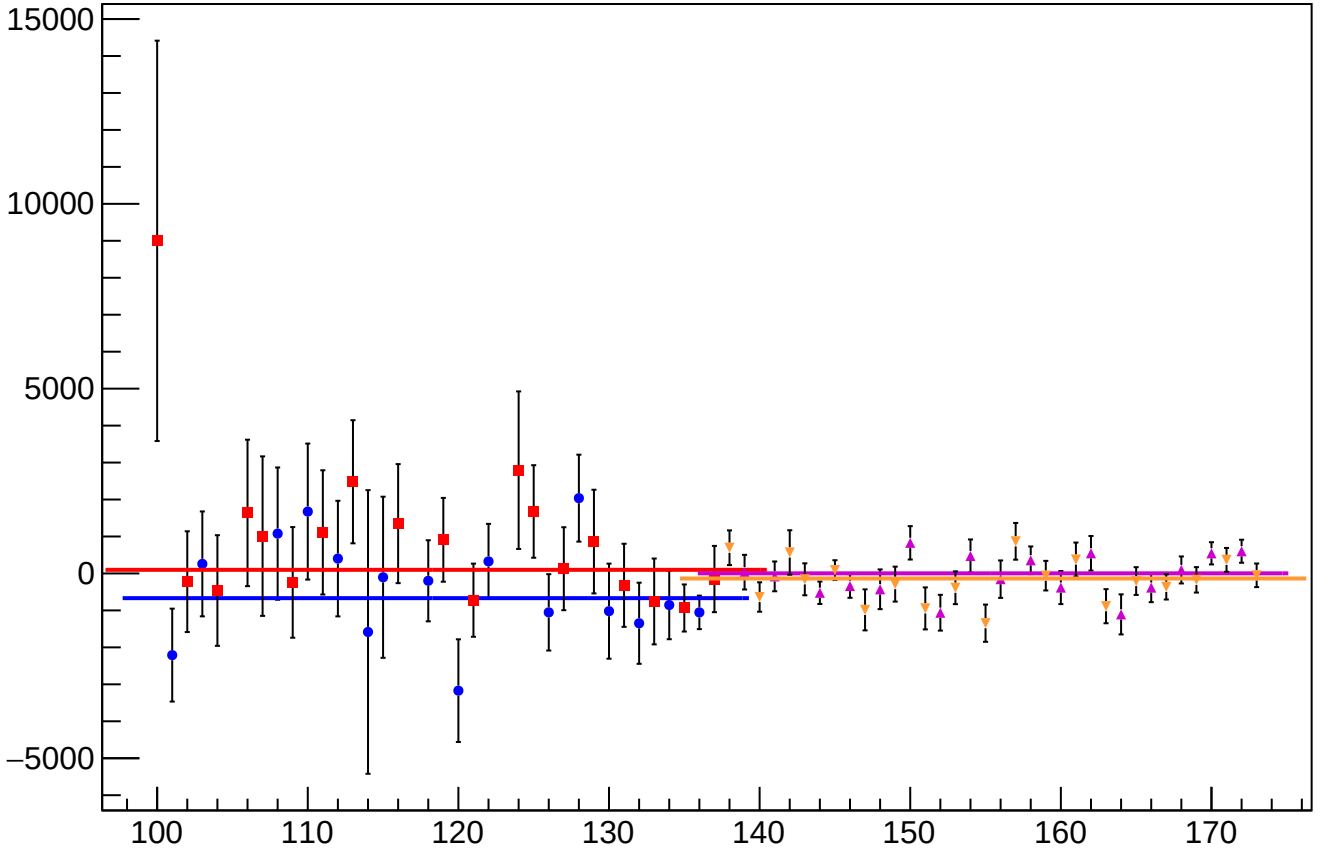
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 397.466+/-0.065 χ^2/NDF:5187446.0/32

Out: 394.617+/-0.063 χ^2/NDF:6148692.3/37

All: 395.998+/-0.046 χ^2/NDF: 11337117.0/70

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -136.611+/-92.863 χ^2/NDF:28.4/18

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: 2.717+/-96.111 χ^2/NDF:29.3/16

Left: -69.341+/-66.783 χ^2/NDF: 58.8/35

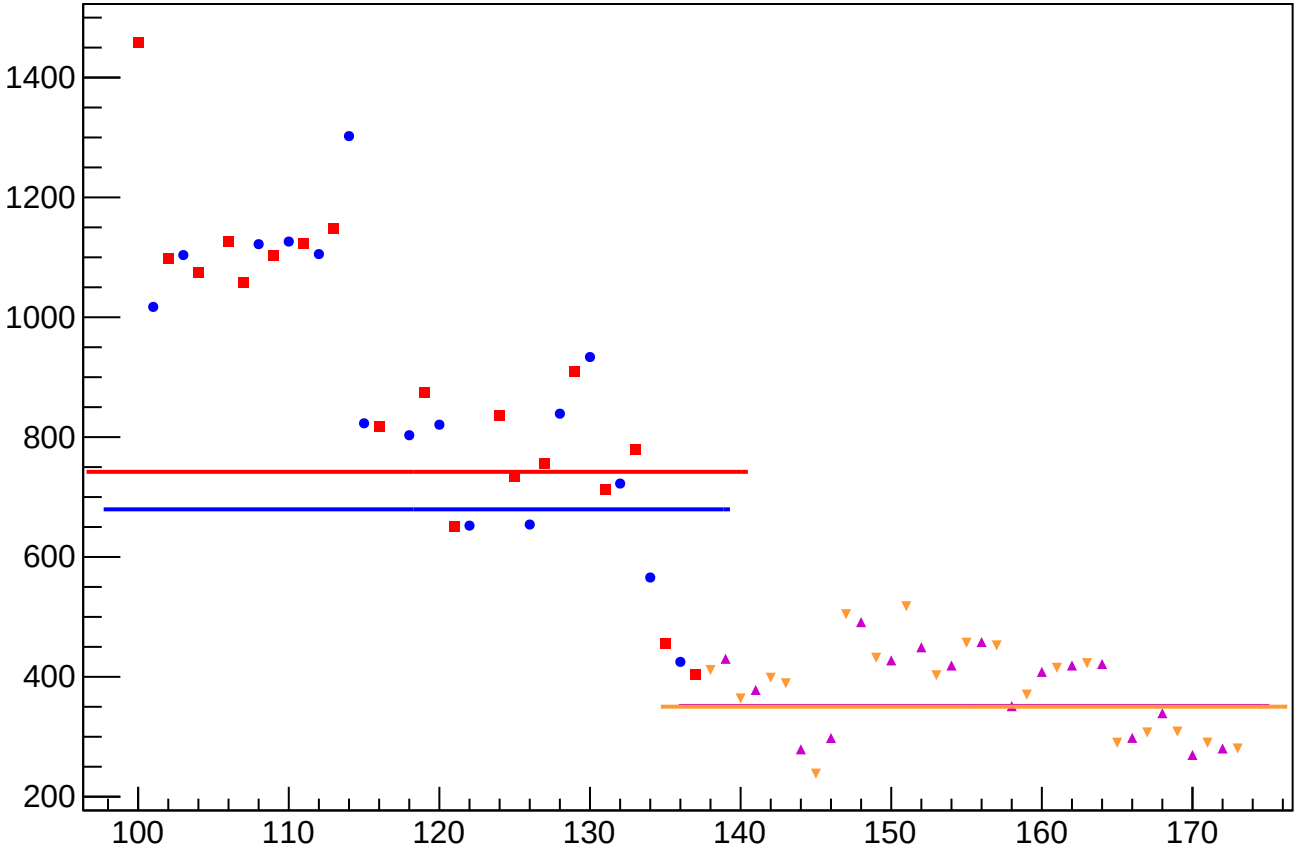
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -73.542+/-90.486 χ^2/NDF:51.0/32

Out: -114.219+/-88.320 χ^2/NDF:43.8/37

All: -94.373+/-63.204 χ^2/NDF: 94.9/70

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 350.201+/-0.066 χ^2/NDF:1375273.4/18

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 351.401+/-0.068 χ^2/NDF:1040755.1/16

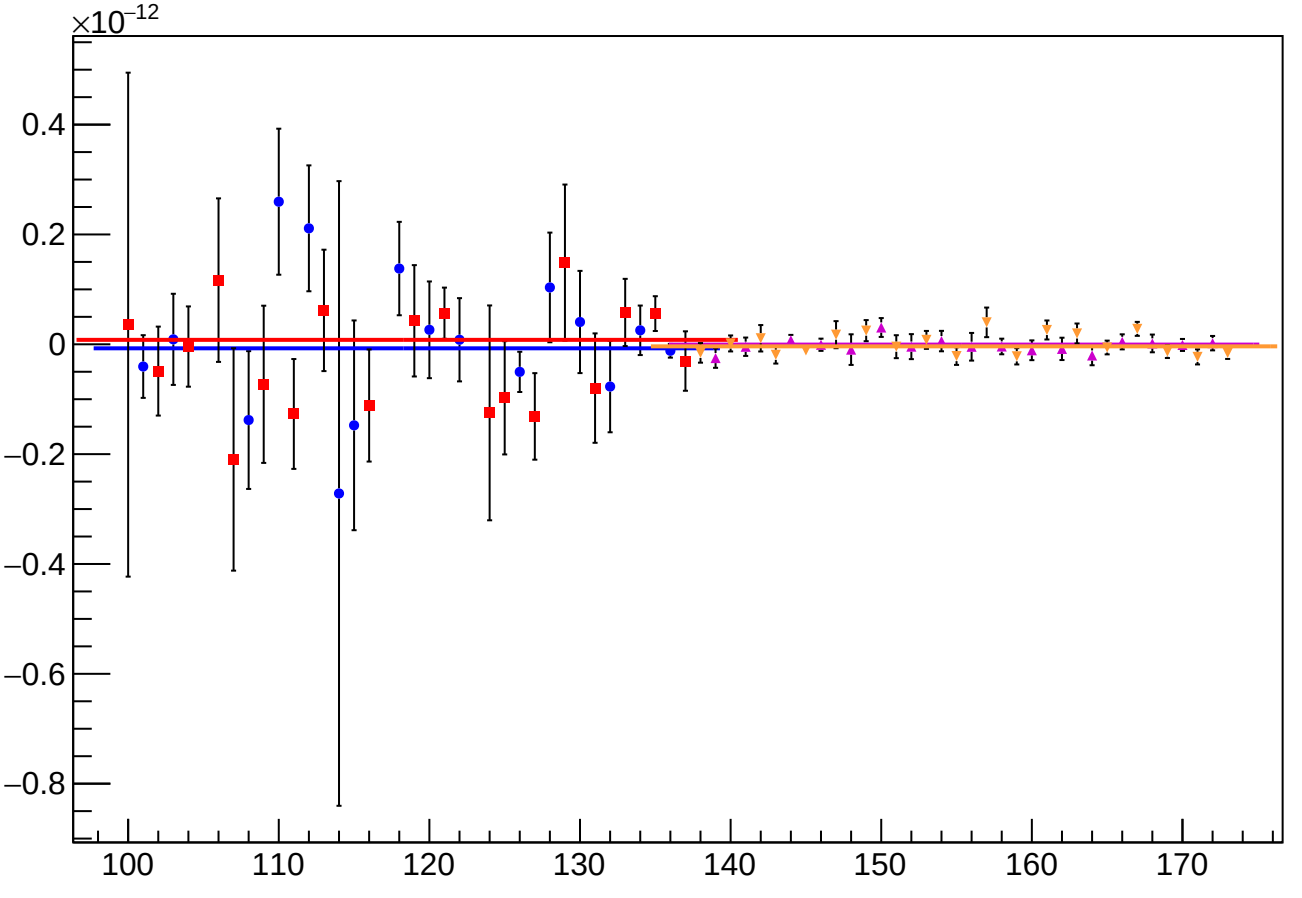
Left: 350.781+/-0.047 χ^2/NDF: 2416189.7/35

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 388.674+/-0.064 χ^2/NDF:5289234.7/32

Out: 387.604+/-0.062 χ^2/NDF:6279030.2/37

All: 388.126+/-0.045 χ^2/NDF: 11568408.2/70



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/16

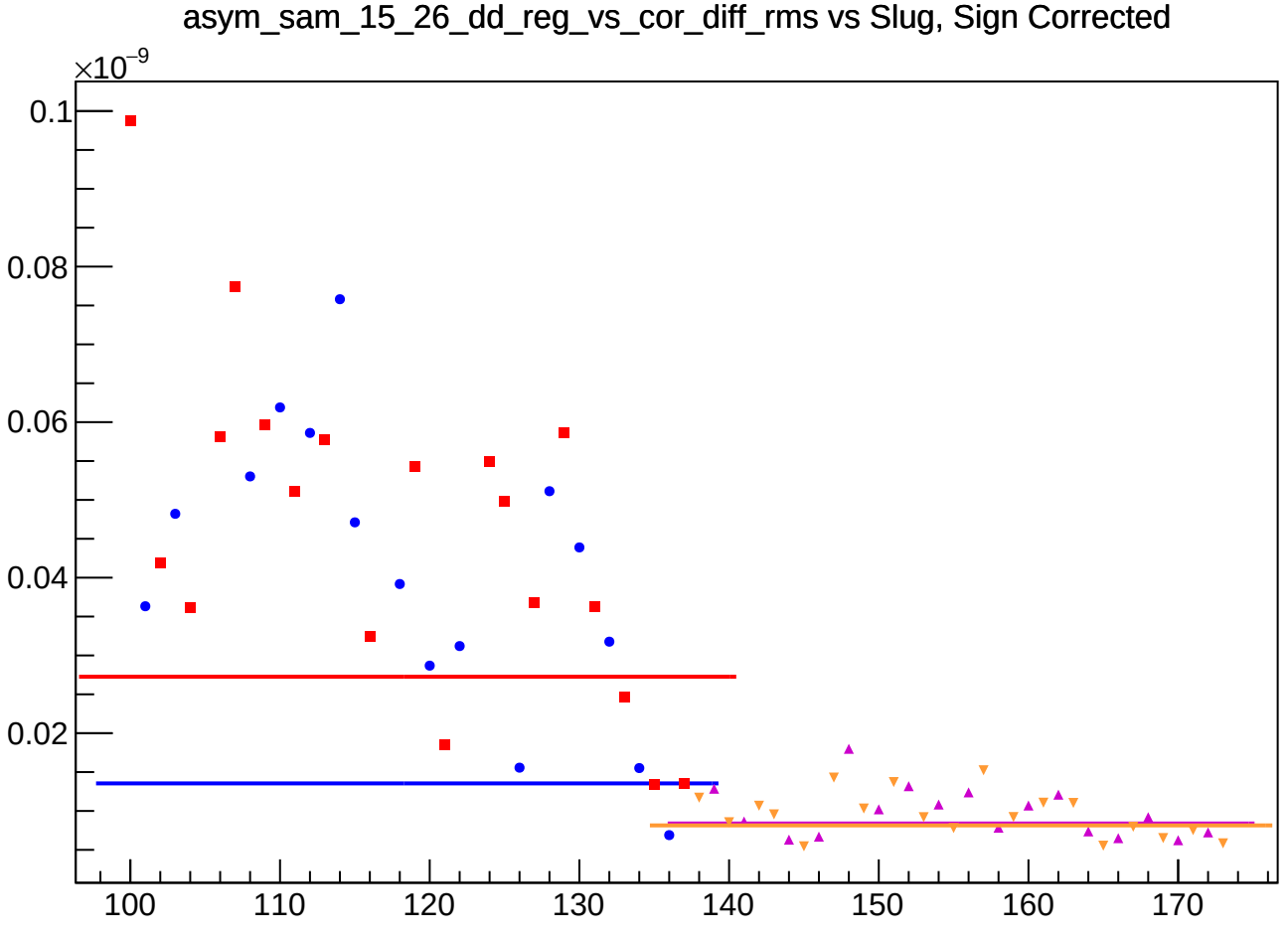
Left: -0.000+/-0.000 χ^2/NDF: 34.7/35

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:25.7/32

Out: -0.000+/-0.000 χ^2/NDF:43.7/37

All: -0.000+/-0.000 χ^2/NDF: 69.6/70



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1085848.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:938907.0/16

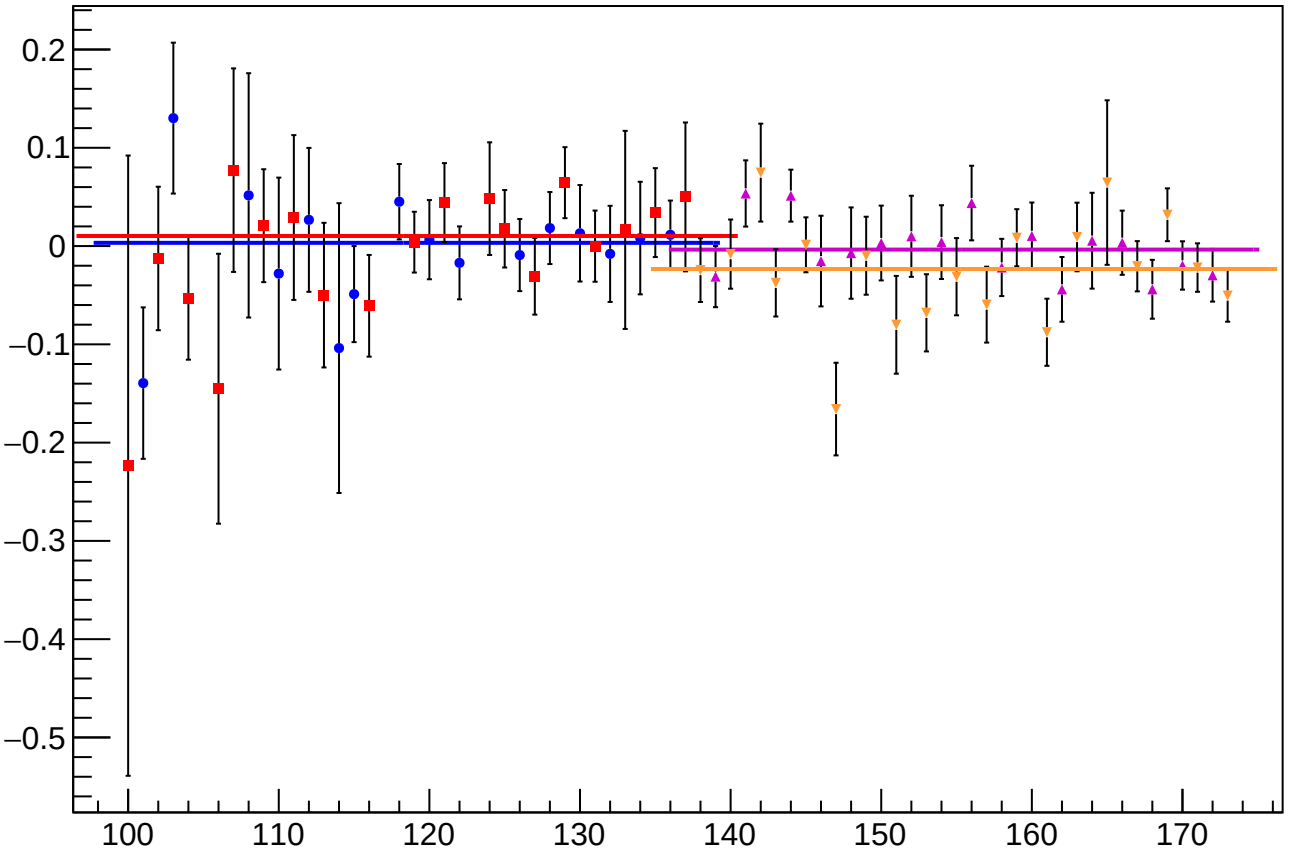
Left: 0.000+/-0.000 χ^2/NDF: 2029520.3/35

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:4416417.4/32

Out: 0.000+/-0.000 χ^2/NDF:5169159.4/37

All: 0.000+/-0.000 χ^2/NDF: 9586638.5/70



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.023+/-0.008 χ^2/NDF:29.8/18

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.004+/-0.008 χ^2/NDF:15.1/16

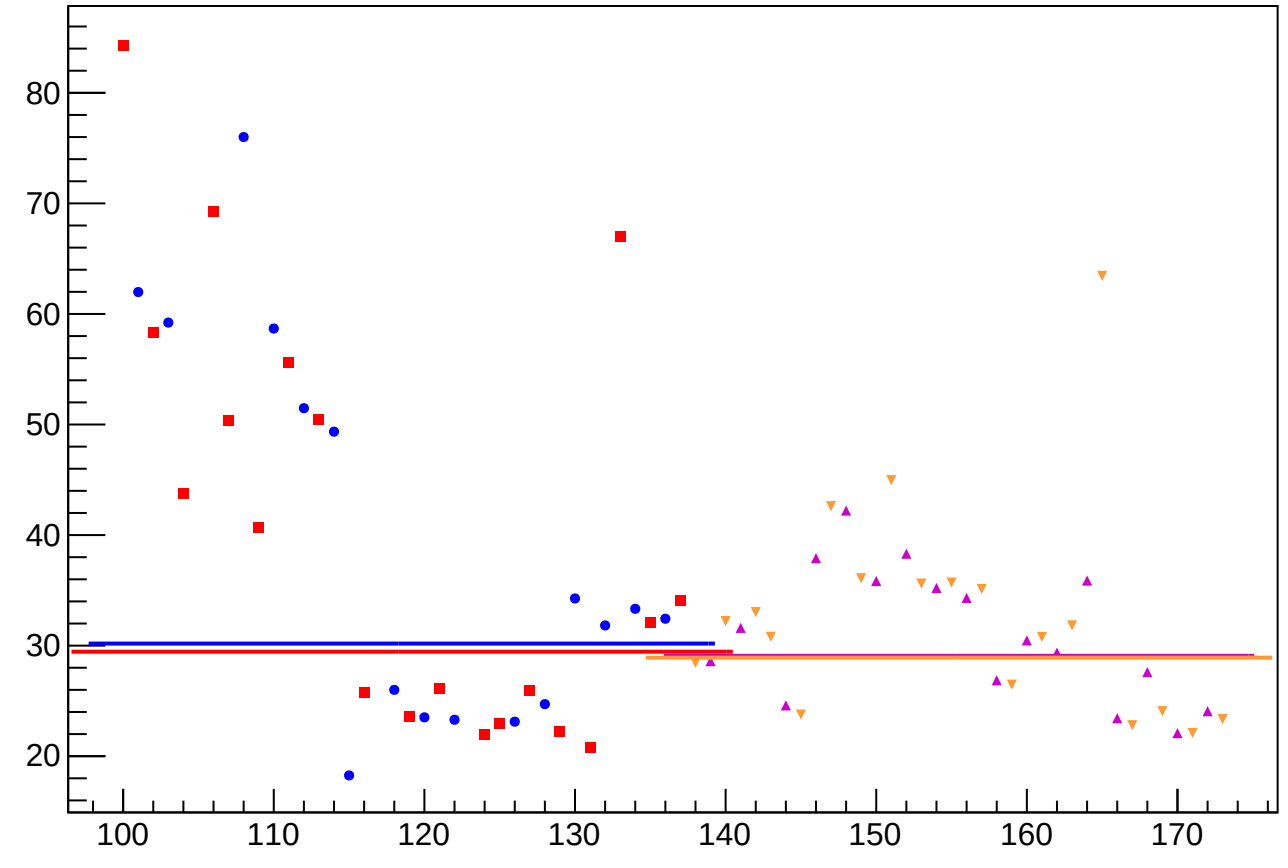
Left: -0.014+/-0.006 χ^2/NDF: 48.0/35

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.002+/-0.007 χ^2/NDF:25.5/32

Out: -0.013+/-0.006 χ^2/NDF:46.7/37

All: -0.008+/-0.005 χ^2/NDF: 73.7/70



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.910+/-0.005 χ^2/NDF:1512083.3/18

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 29.073+/-0.006 χ^2/NDF:907313.2/16

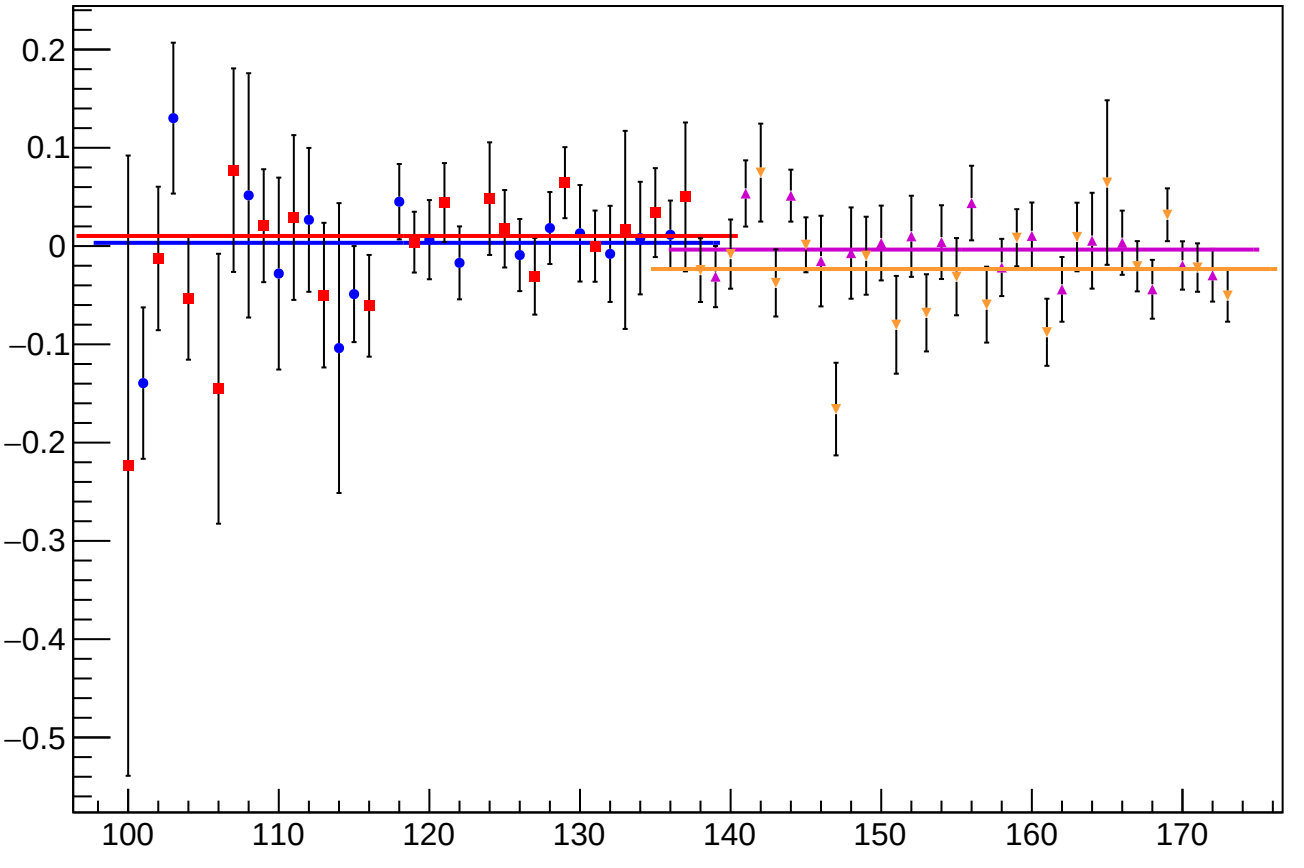
Left: 28.988+/-0.004 χ^2/NDF: 2419826.7/35

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 29.408+/-0.005 χ^2/NDF:2606184.5/32

Out: 29.072+/-0.005 χ^2/NDF:3363663.3/37

All: 29.233+/-0.003 χ^2/NDF: 5972433.8/70



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.023+/-0.008 χ^2/NDF:29.8/18

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.004+/-0.008 χ^2/NDF:15.1/16

Left: -0.014+/-0.006 χ^2/NDF: 48.0/35

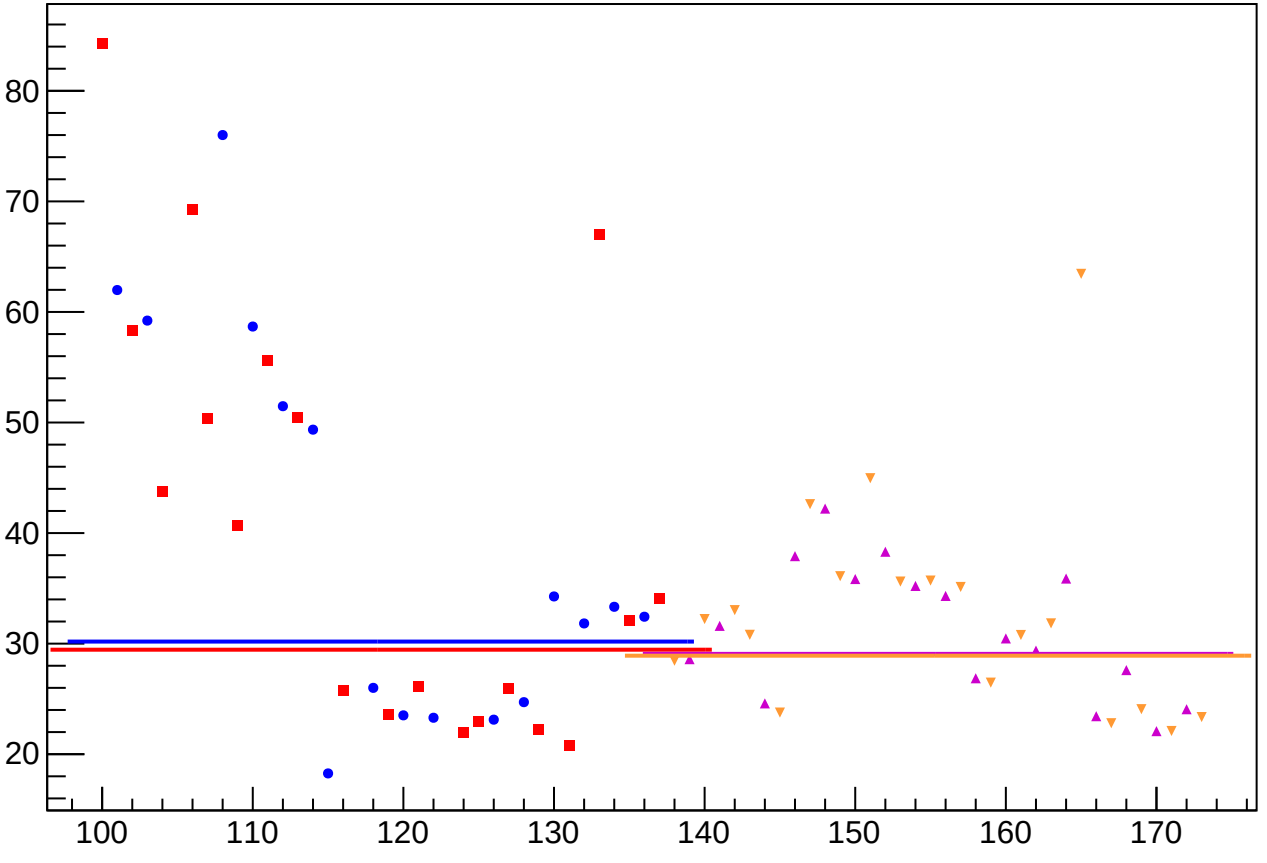
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.002+/-0.007 χ^2/NDF:25.5/32

Out: -0.013+/-0.006 χ^2/NDF:46.7/37

All: -0.008+/-0.005 χ^2/NDF: 73.7/70

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: 28.910+/-0.005 χ^2/NDF:1512083.3/18

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 29.073+/-0.006 χ^2/NDF:907313.2/16

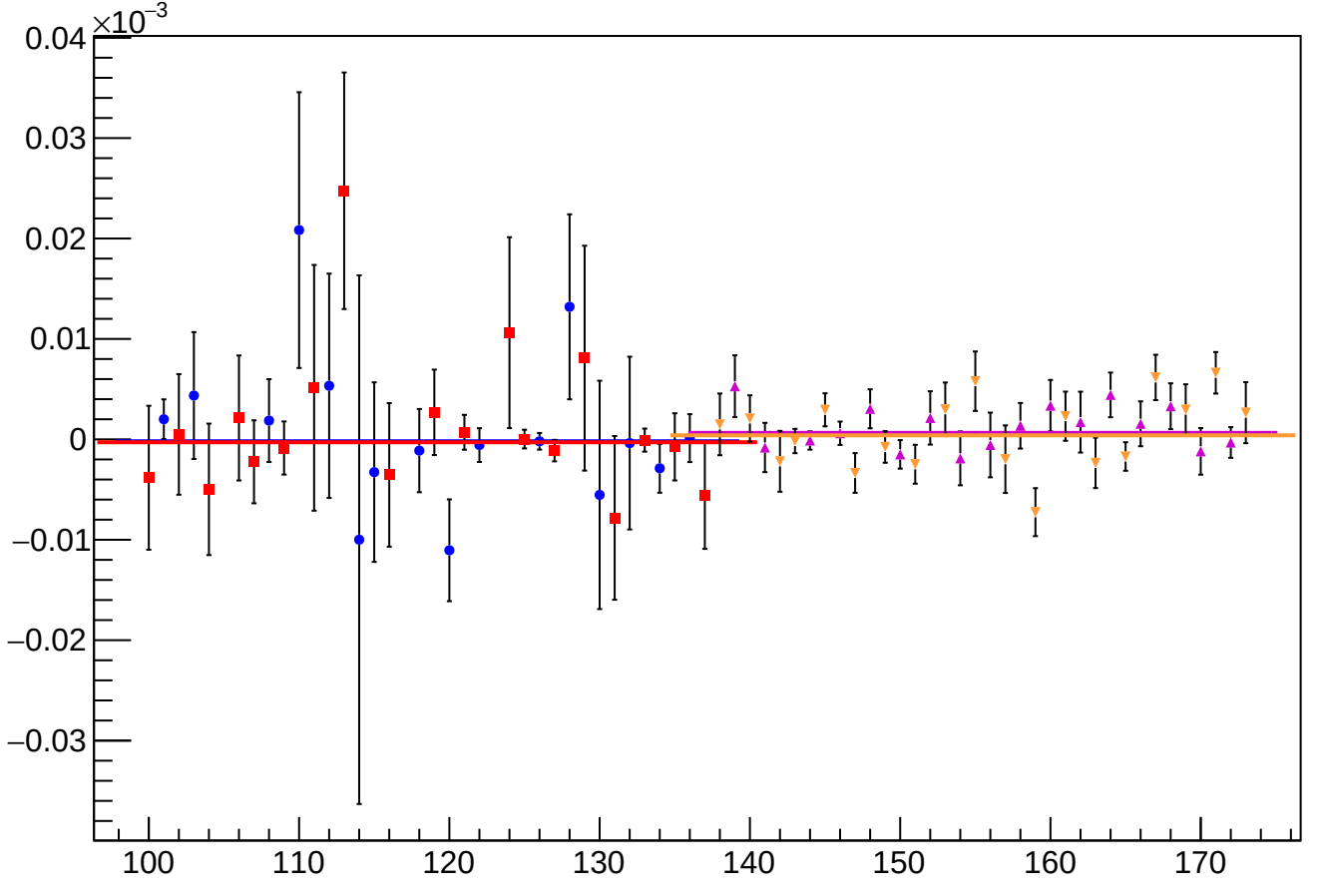
Left: 28.988+/-0.004 χ^2/NDF: 2419826.7/35

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 29.408+/-0.005 χ^2/NDF:2606184.5/32

Out: 29.072+/-0.005 χ^2/NDF:3363663.3/37

All: 29.233+/-0.003 χ^2/NDF: 5972433.8/70



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:46.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:15.2/16

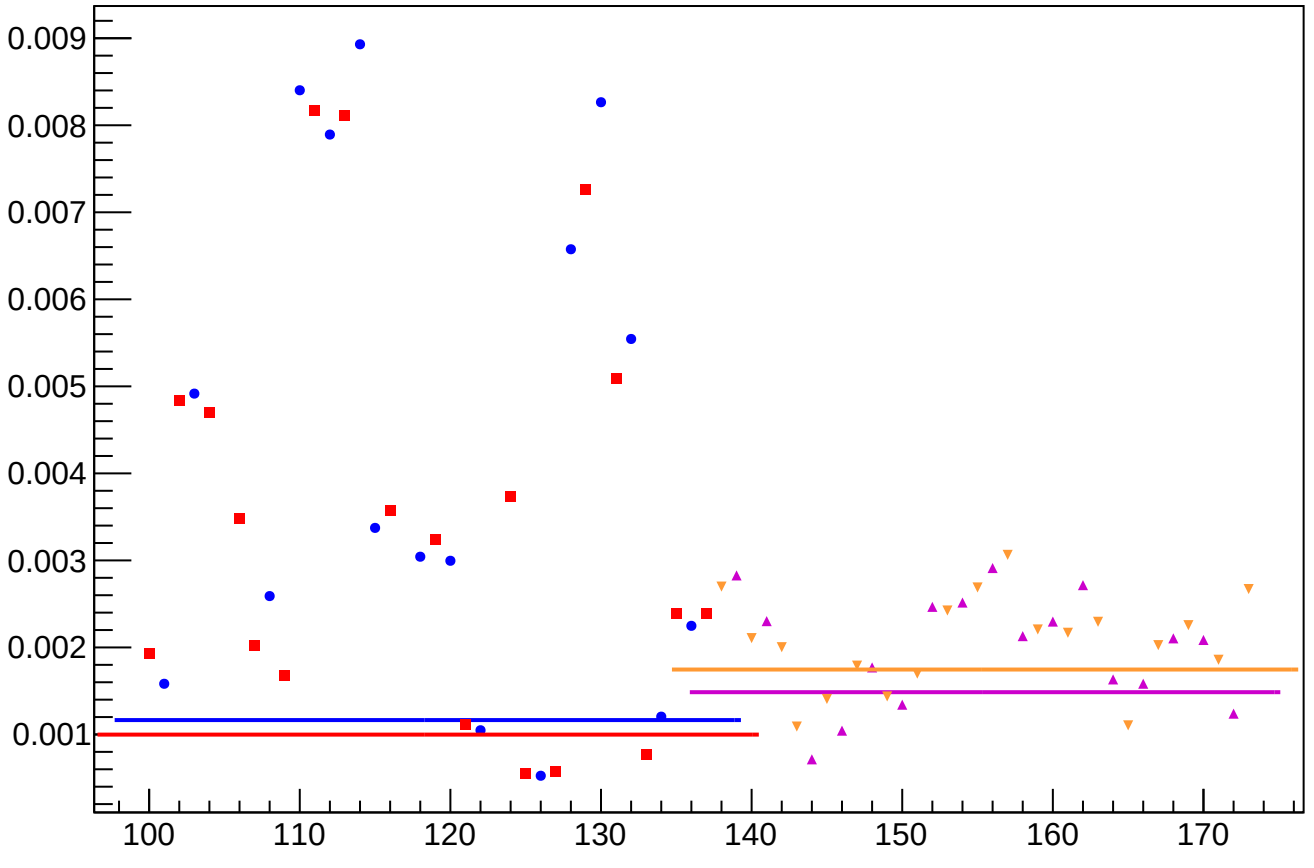
Left: 0.000+/-0.000 χ^2/NDF: 61.9/35

Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:29.5/32

Out: 0.000+/-0.000 χ^2/NDF:58.9/37

All: 0.000+/-0.000 χ^2/NDF: 88.8/70



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2584554.8/18

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.001+/-0.000 χ^2/NDF:4386491.4/16

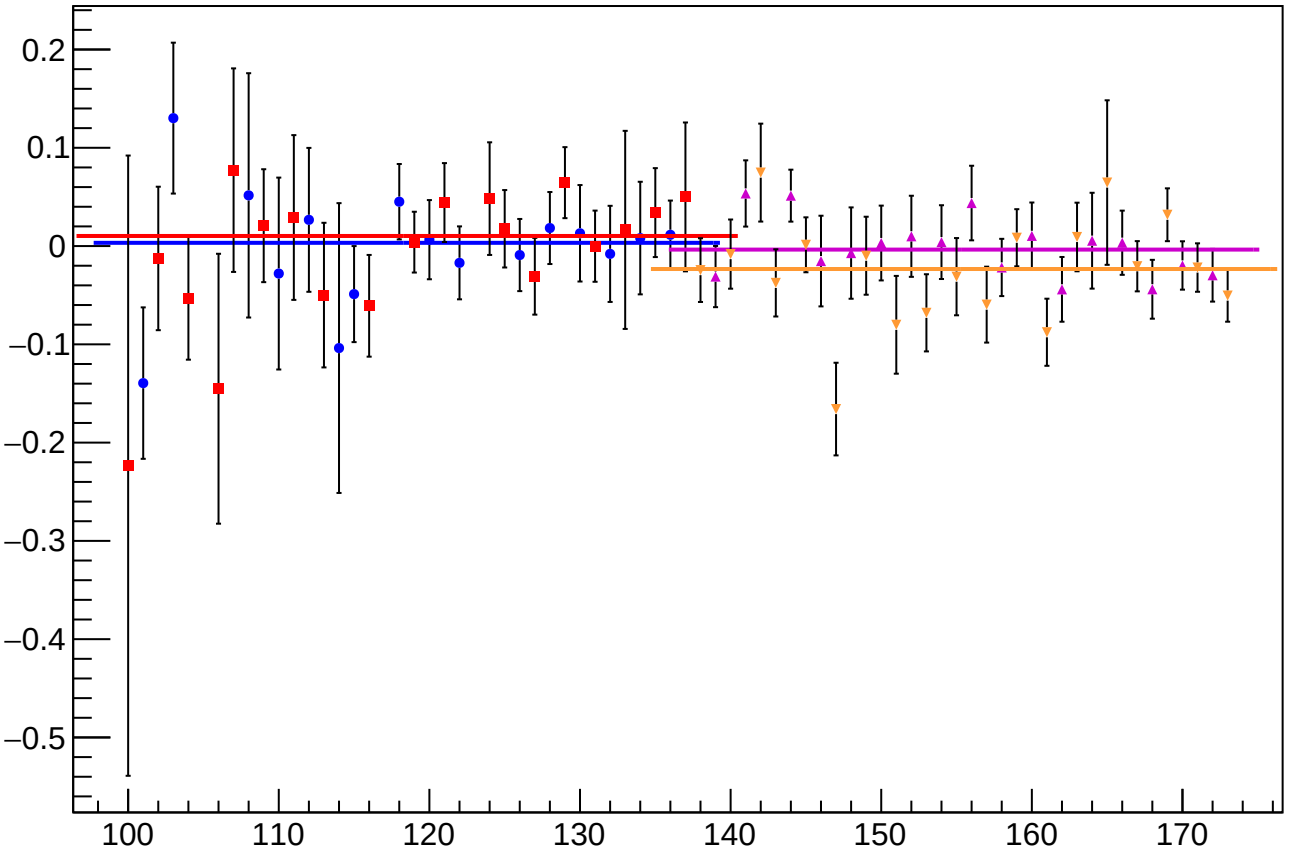
Left: 0.002+/-0.000 χ^2/NDF: 7289507.1/35

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:11624406.2/32

Out: 0.001+/-0.000 χ^2/NDF:11761985.6/37

All: 0.001+/-0.000 χ^2/NDF: 23394414.8/70



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.023+/-0.008 χ^2/NDF:29.8/18

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.004+/-0.008 χ^2/NDF:15.1/16

Left: -0.014+/-0.006 χ^2/NDF: 48.0/35

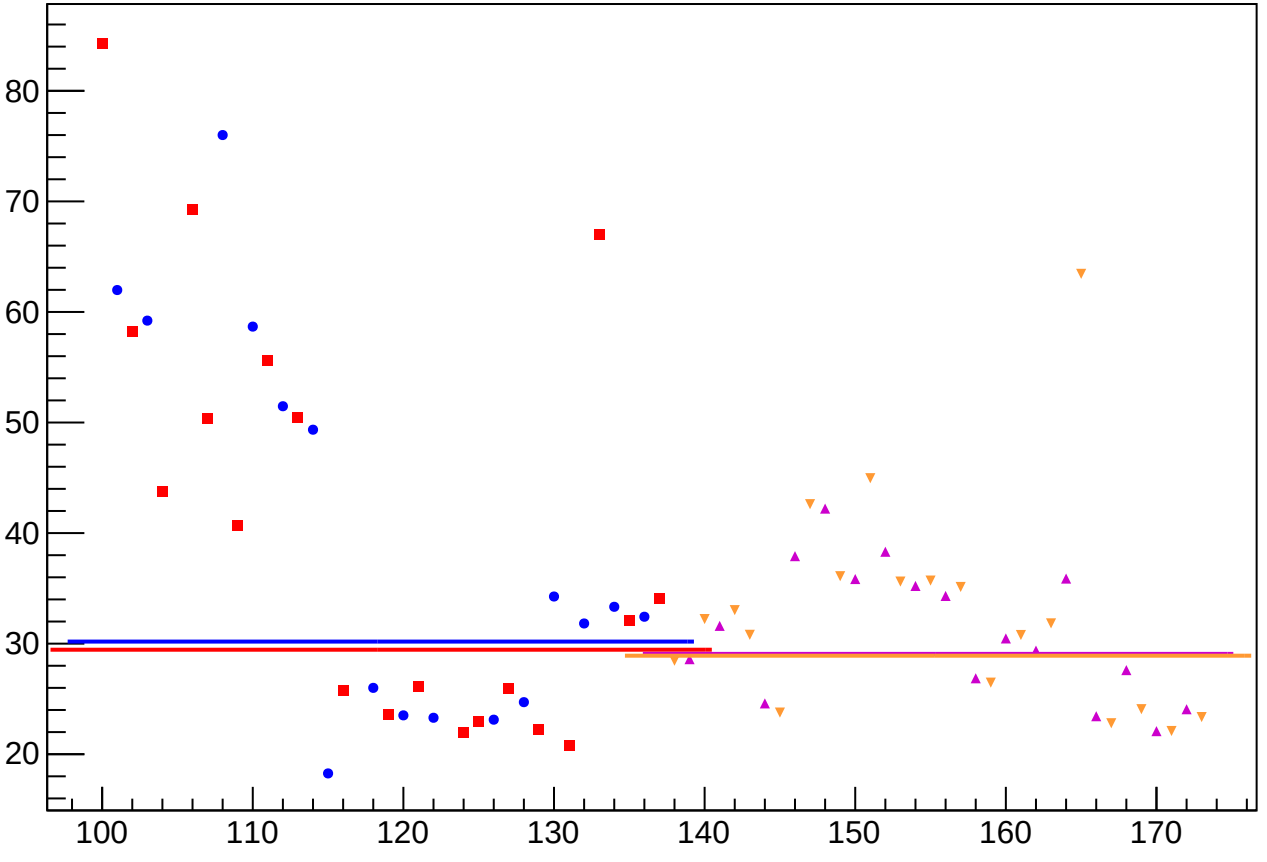
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.002+/-0.007 χ^2/NDF:25.5/32

Out: -0.013+/-0.006 χ^2/NDF:46.7/37

All: -0.008+/-0.005 χ^2/NDF: 73.7/70

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.910+/-0.005 χ^2/NDF:1512068.3/18

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 29.074+/-0.006 χ^2/NDF:907296.1/16

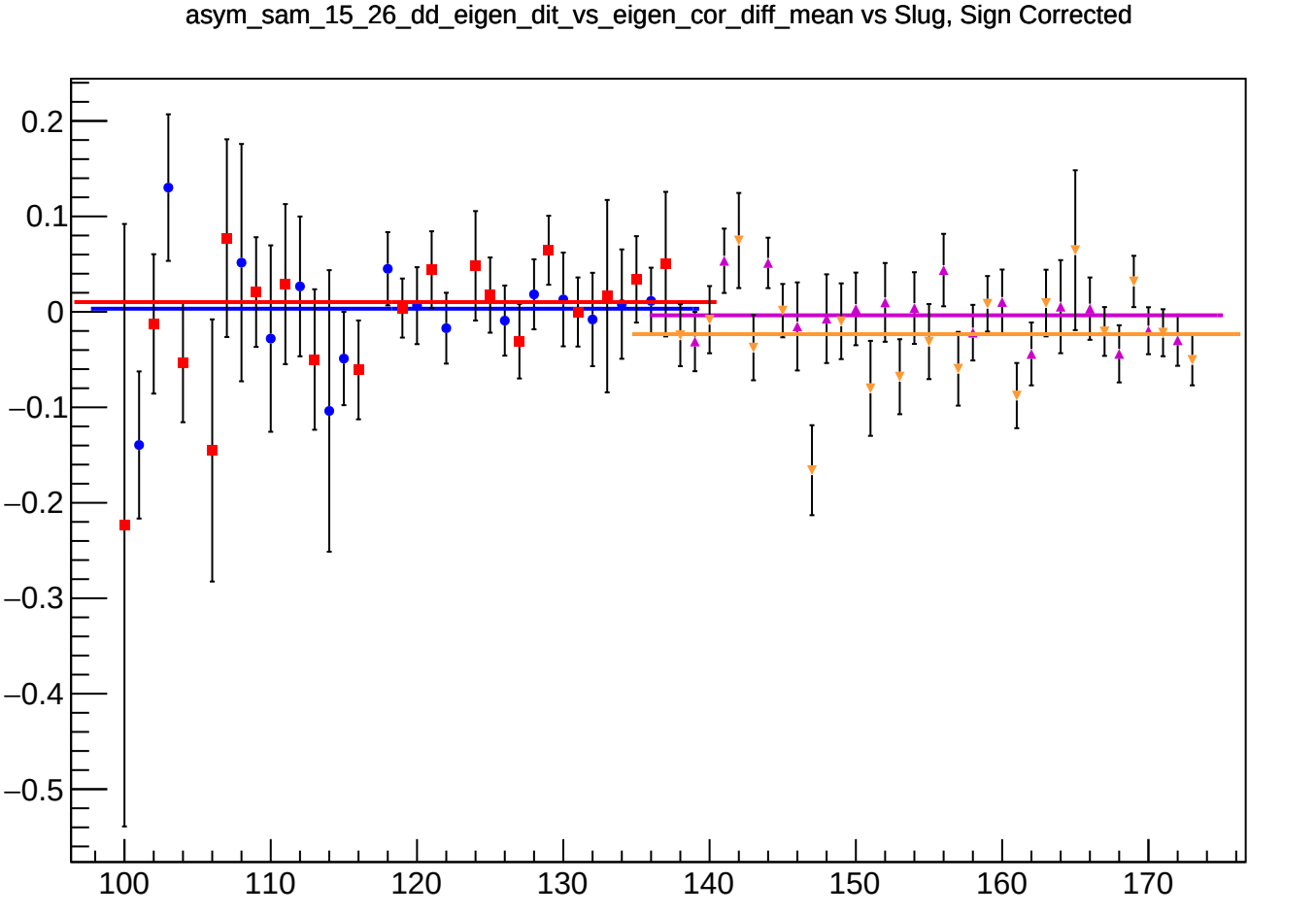
Left: 28.989+/-0.004 χ^2/NDF: 2419794.8/35

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 29.408+/-0.005 χ^2/NDF:2605978.9/32

Out: 29.072+/-0.005 χ^2/NDF:3363636.4/37

All: 29.233+/-0.003 χ^2/NDF: 5972204.4/70



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.023+/-0.008 χ^2/NDF:29.8/18

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.004+/-0.008 χ^2/NDF:15.1/16

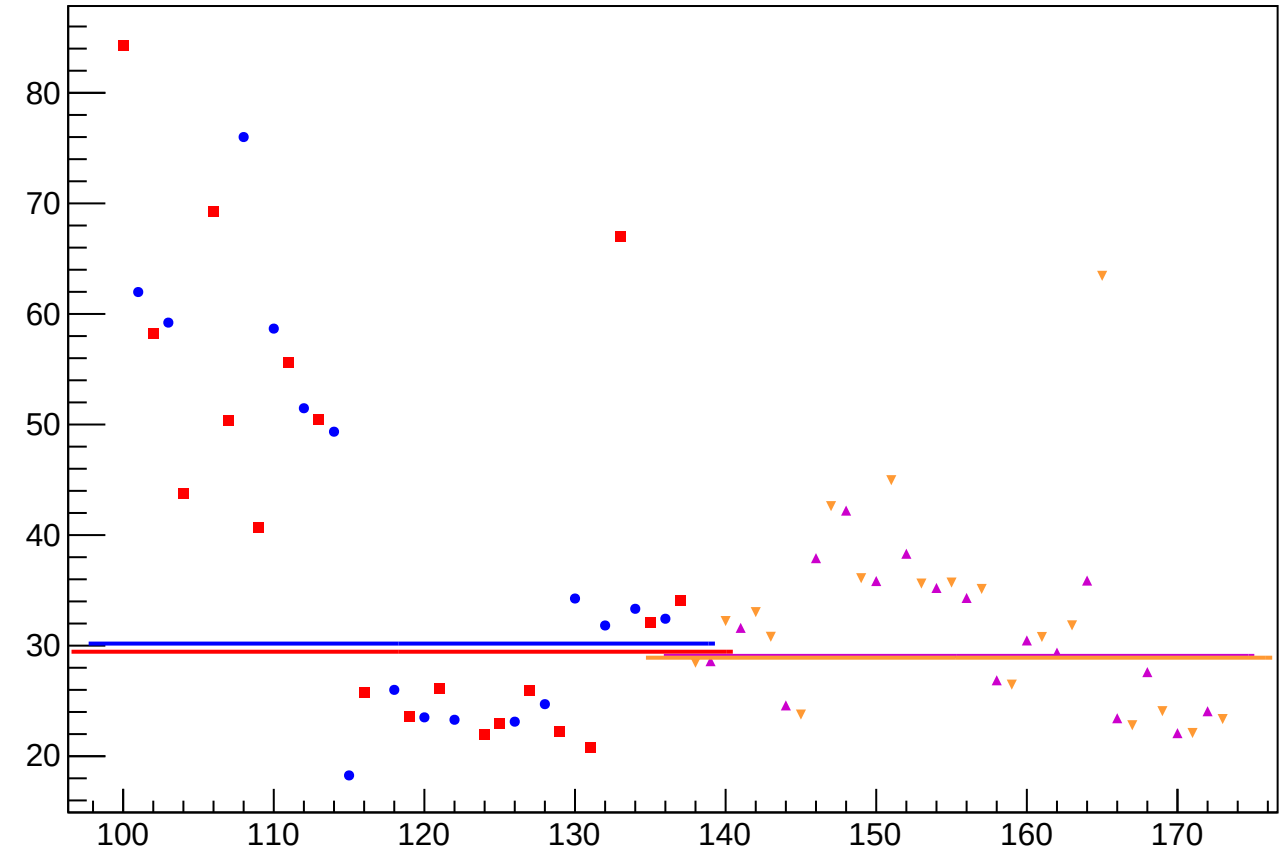
Left: -0.014+/-0.006 χ^2/NDF: 48.0/35

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.002+/-0.007 χ^2/NDF:25.5/32

Out: -0.013+/-0.006 χ^2/NDF:46.7/37

All: -0.008+/-0.005 χ^2/NDF: 73.7/70



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.910+/-0.005 χ^2/NDF:1512068.3/18

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 29.074+/-0.006 χ^2/NDF:907296.1/16

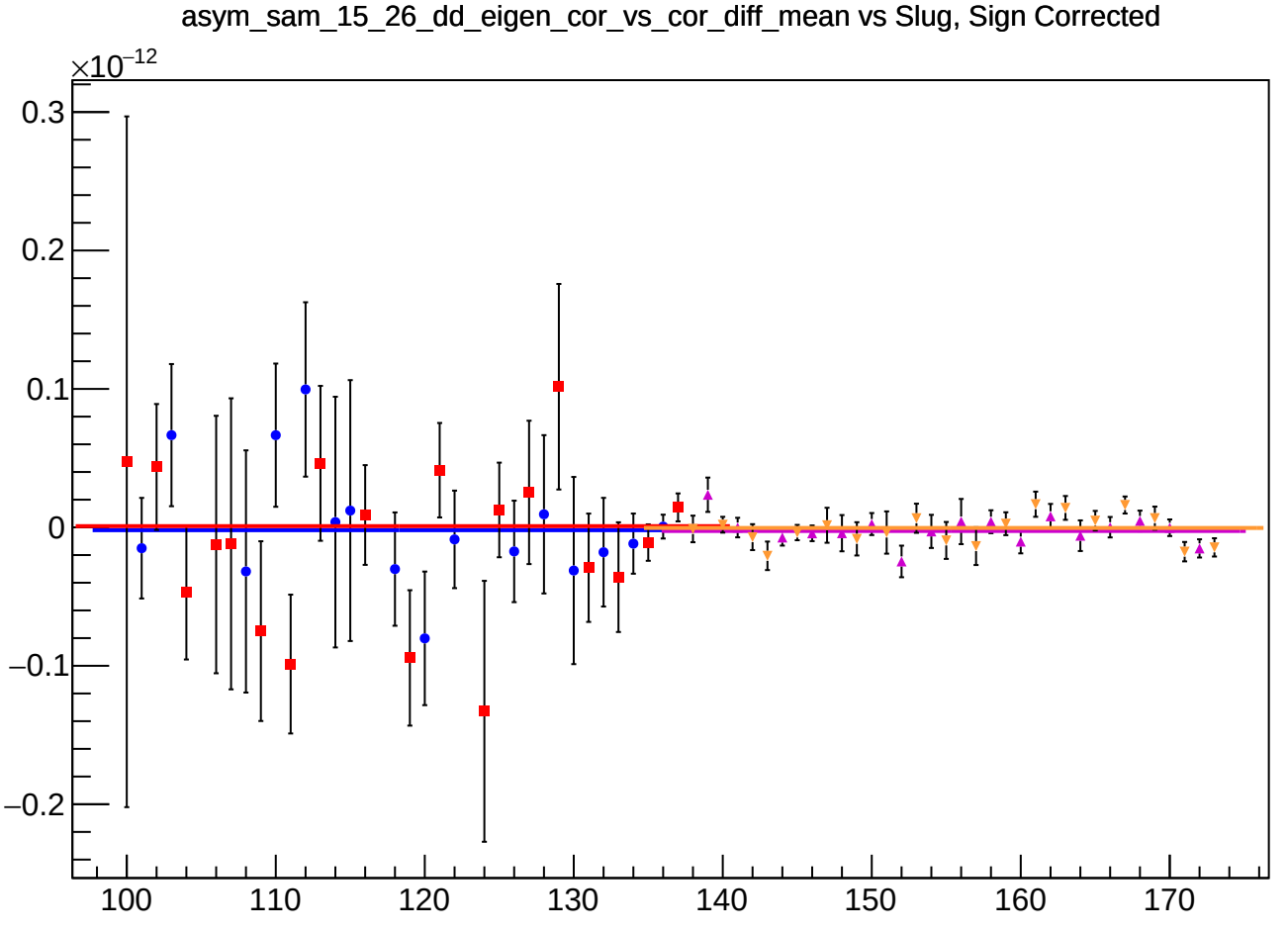
Left: 28.989+/-0.004 χ^2/NDF: 2419794.8/35

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 29.408+/-0.005 χ^2/NDF:2605978.9/32

Out: 29.072+/-0.005 χ^2/NDF:3363636.4/37

All: 29.233+/-0.003 χ^2/NDF: 5972204.4/70



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:17.5/16

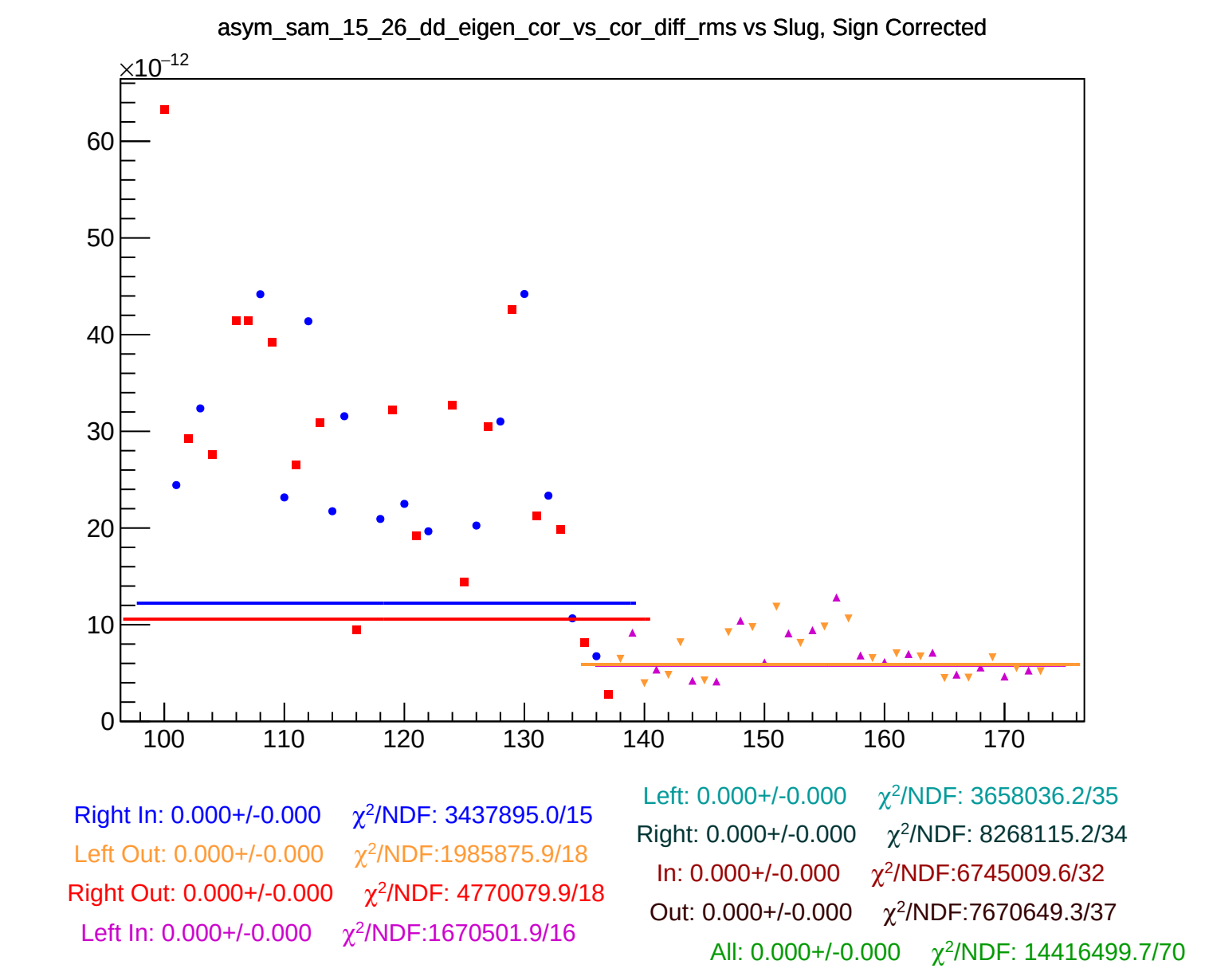
Left: -0.000+/-0.000 χ^2/NDF: 50.8/35

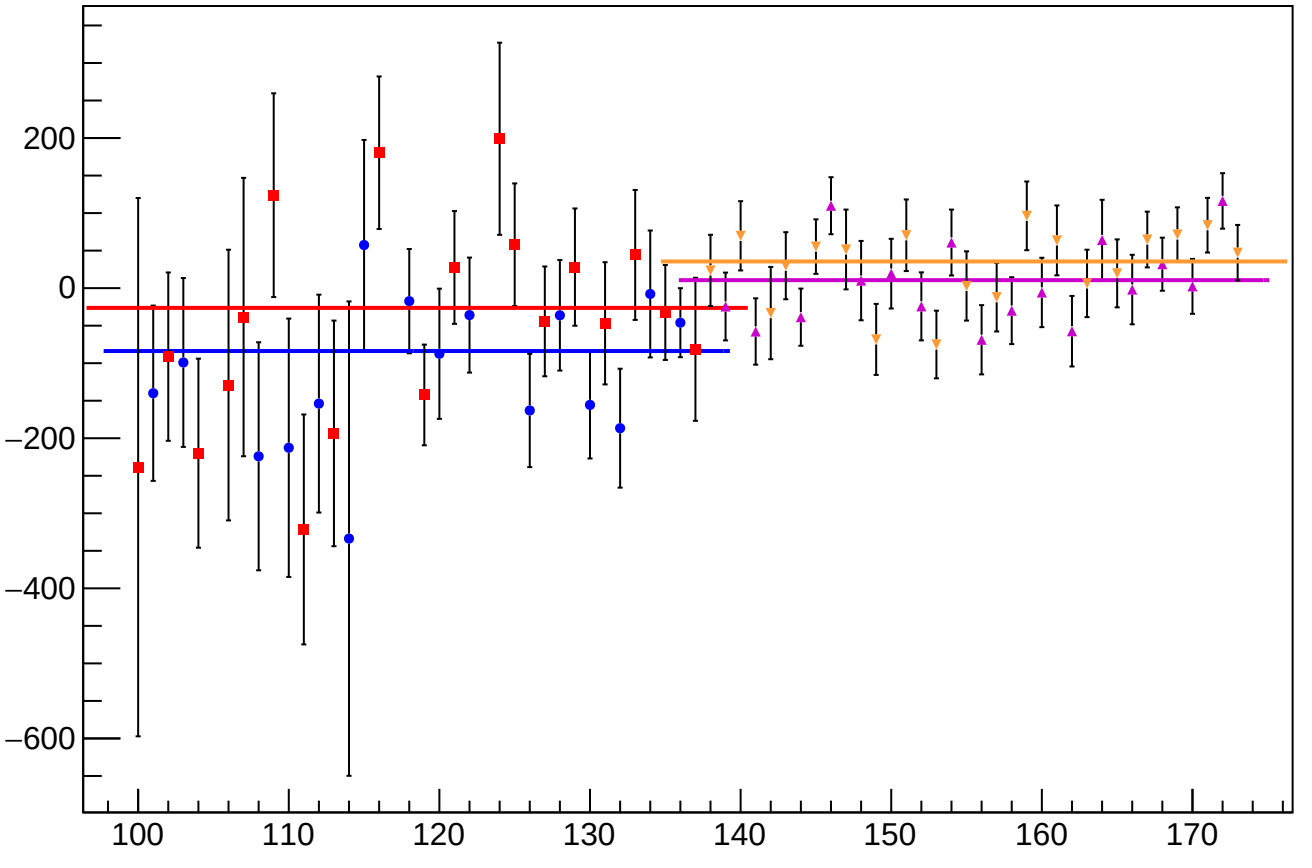
Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:27.9/32

Out: -0.000+/-0.000 χ^2/NDF:54.2/37

All: -0.000+/-0.000 χ^2/NDF: 82.8/70


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3437895.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1985875.9/18
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:1670501.9/16
Left: 0.000+/-0.000 χ²/NDF: 3658036.2/35
Right: 0.000+/-0.000 χ²/NDF: 8268115.2/34
In: 0.000+/-0.000 χ²/NDF:6745009.6/32
Out: 0.000+/-0.000 χ²/NDF:7670649.3/37
All: 0.000+/-0.000 χ²/NDF: 14416499.7/70



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 35.555+/-9.993 χ^2/NDF:21.4/18

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: 10.637+/-10.427 χ^2/NDF:29.1/16

Left: 23.625+/-7.215 χ^2/NDF: 53.4/35

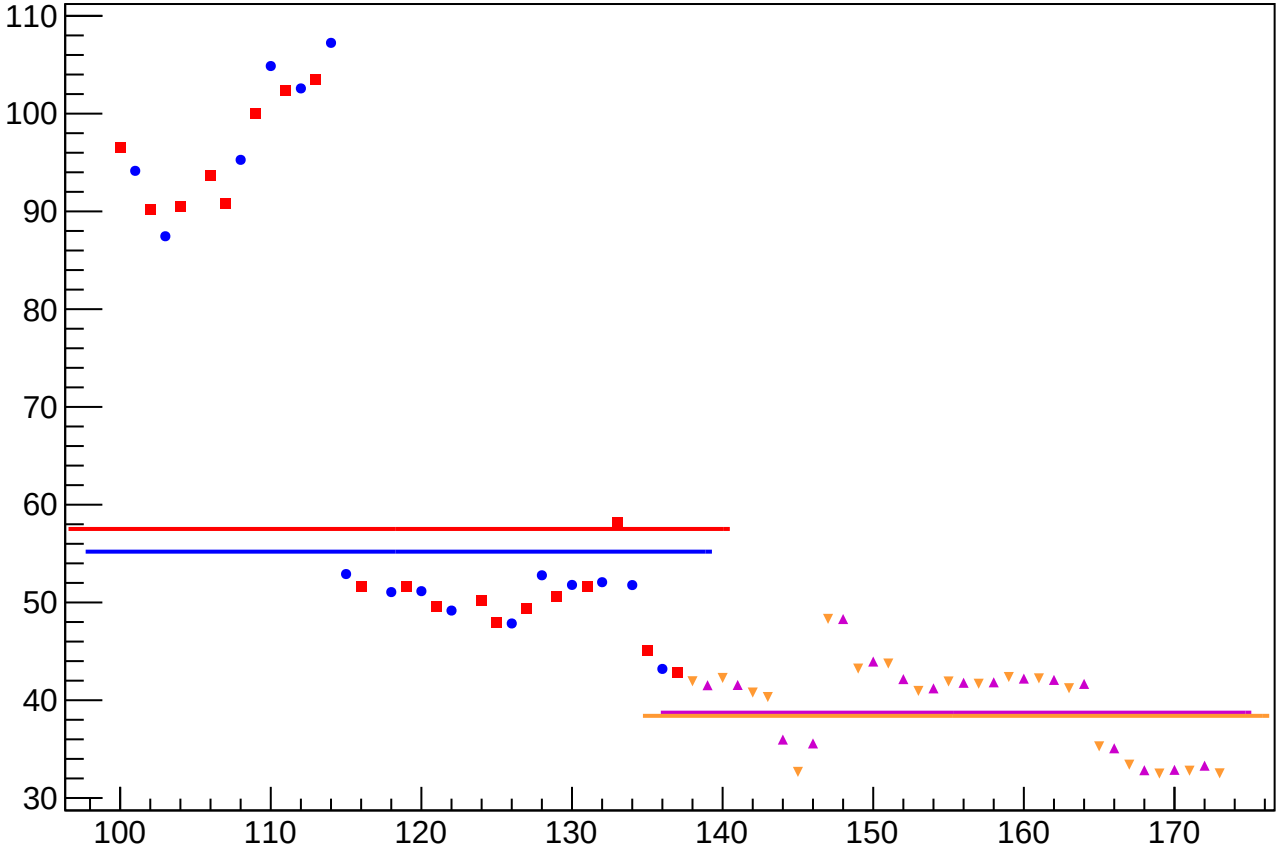
Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -7.435+/-9.376 χ^2/NDF:55.3/32

Out: 25.029+/-9.103 χ^2/NDF:50.9/37

All: 9.276+/-6.531 χ^2/NDF: 112.4/70

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: 38.403+/-0.007 χ^2/NDF:459215.5/18

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 38.729+/-0.007 χ^2/NDF:357019.3/16

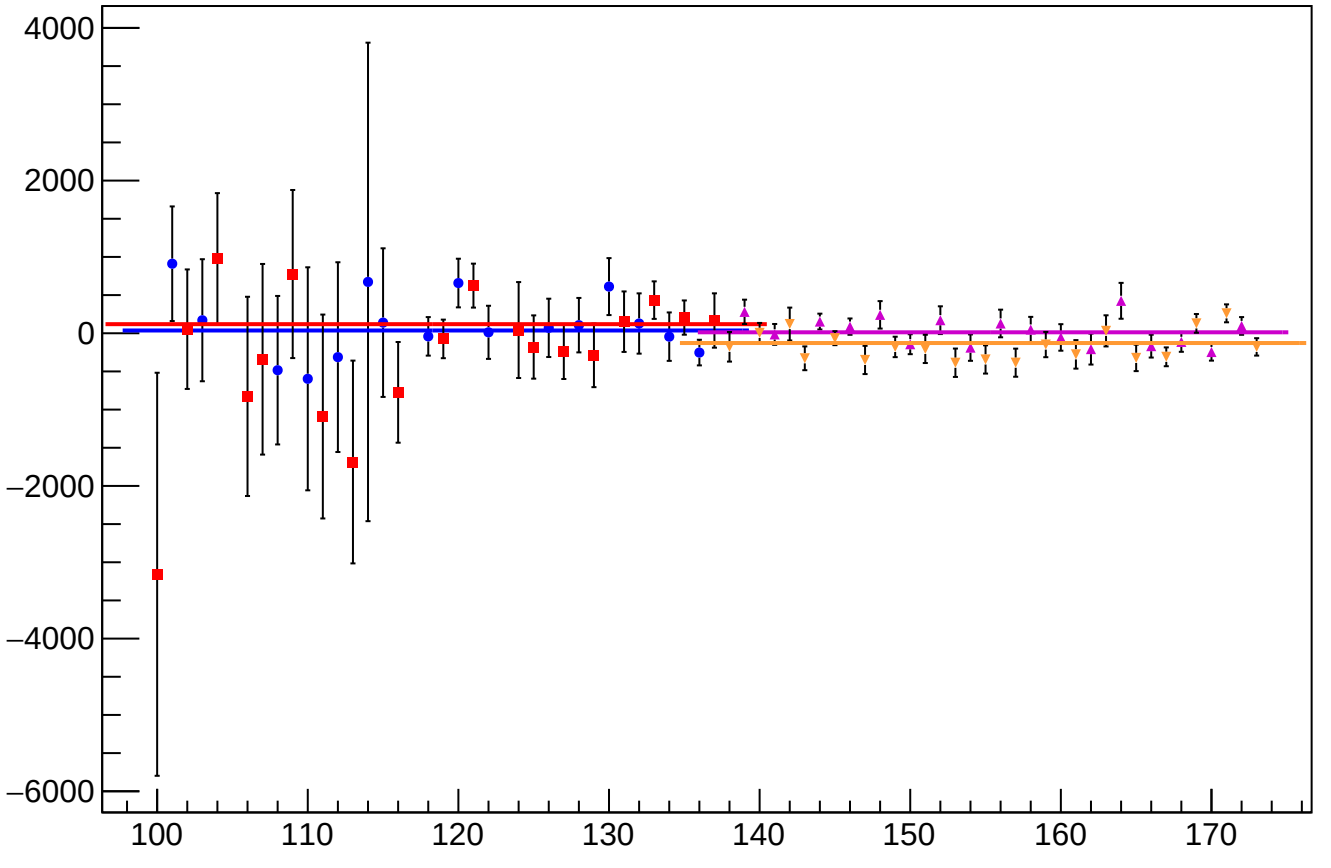
Left: 38.559+/-0.005 χ^2/NDF: 817253.3/35

Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 41.880+/-0.007 χ^2/NDF:2464305.9/32

Out: 41.656+/-0.006 χ^2/NDF:2986434.8/37

All: 41.765+/-0.005 χ^2/NDF: 5451328.7/70



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -127.860+/-33.838 χ^2/NDF:31.8/18

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 12.556+/-34.798 χ^2/NDF:23.3/16

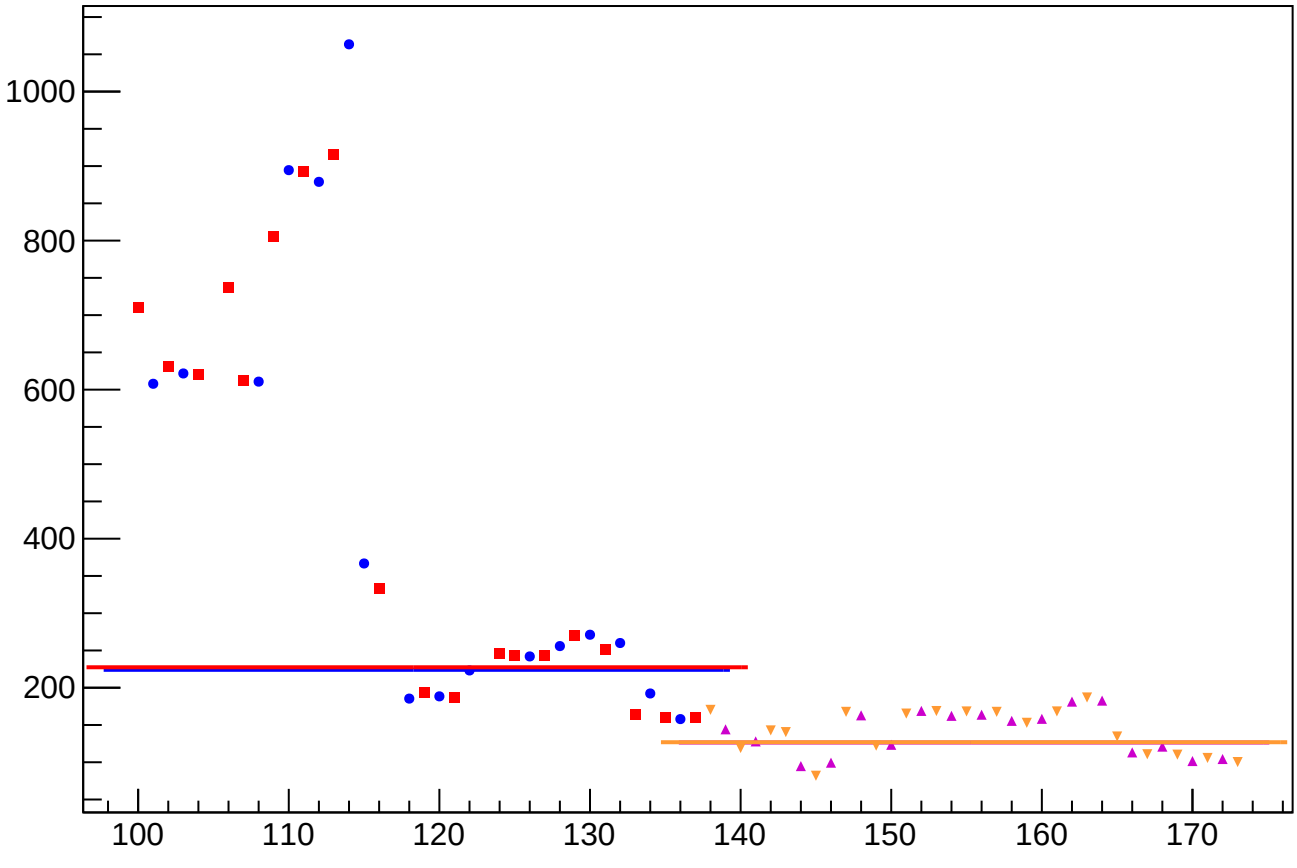
Left: -59.617+/-24.259 χ^2/NDF: 63.4/35

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 15.444+/-32.615 χ^2/NDF:34.8/32

Out: -100.477+/-31.907 χ^2/NDF:53.7/37

All: -43.788+/-22.808 χ^2/NDF: 94.9/70



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 126.871+/-0.024 χ^2/NDF:1669850.2/18

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 126.468+/-0.025 χ^2/NDF:1280966.8/16

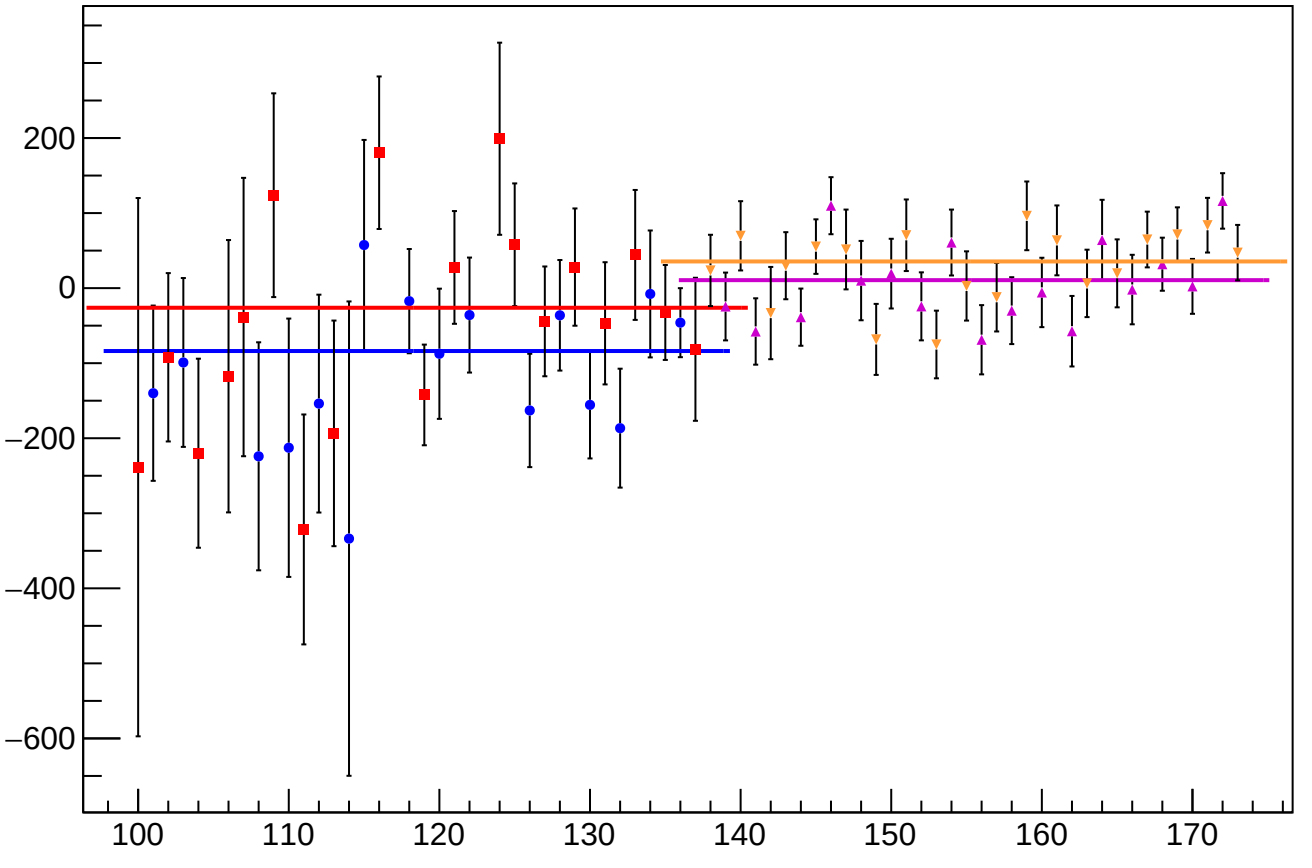
Left: 126.675+/-0.017 χ^2/NDF: 2950955.2/35

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 138.325+/-0.023 χ^2/NDF:6159862.6/32

Out: 138.021+/-0.023 χ^2/NDF:7269285.1/37

All: 138.169+/-0.016 χ^2/NDF: 13429236.4/70



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 35.556+/-9.993 χ^2/NDF:21.4/18

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 10.636+/-10.427 χ^2/NDF:29.1/16

Left: 23.625+/-7.215 χ^2/NDF: 53.4/35

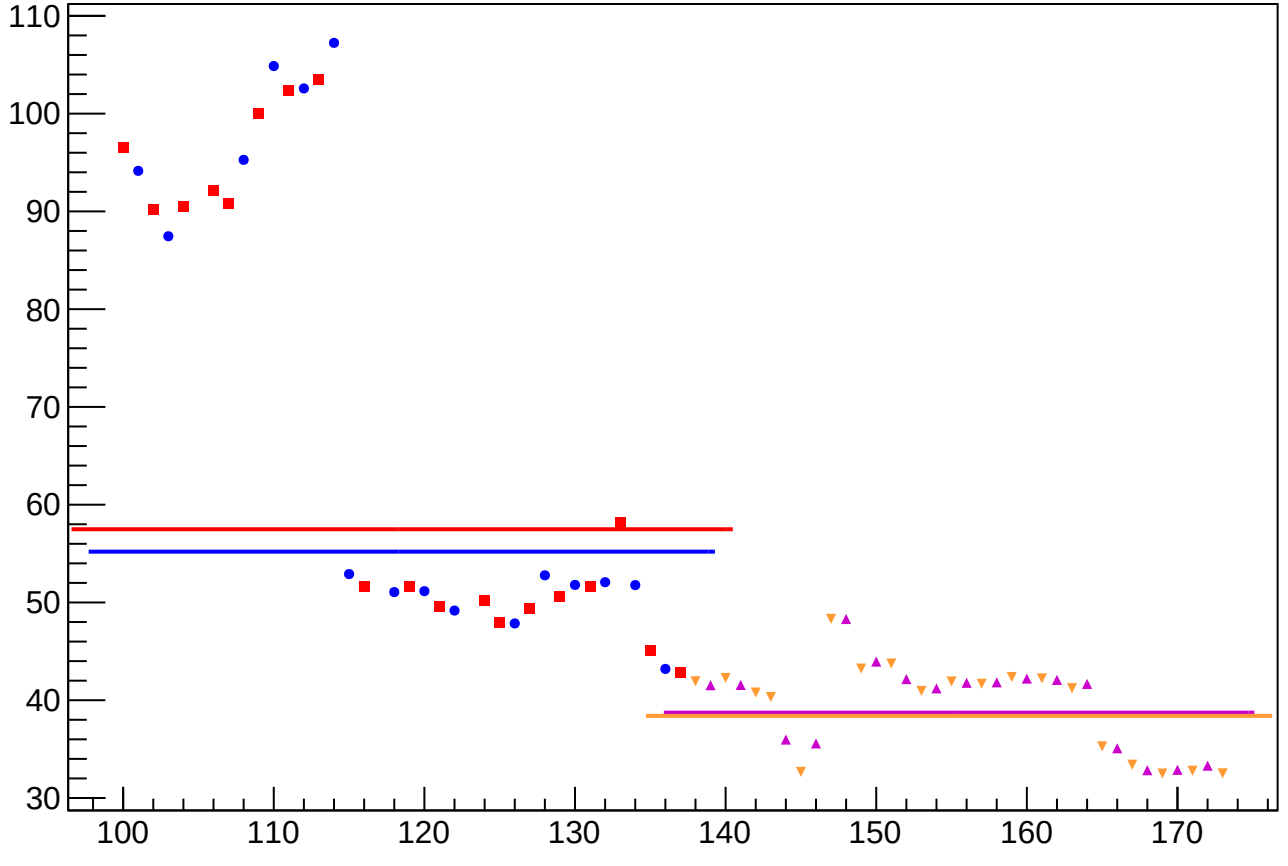
Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -7.435+/-9.376 χ^2/NDF:55.3/32

Out: 25.058+/-9.103 χ^2/NDF:50.8/37

All: 9.291+/-6.531 χ^2/NDF: 112.3/70

cor_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 38.403+/-0.007 χ^2/NDF:459215.5/18

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.729+/-0.007 χ^2/NDF:357019.3/16

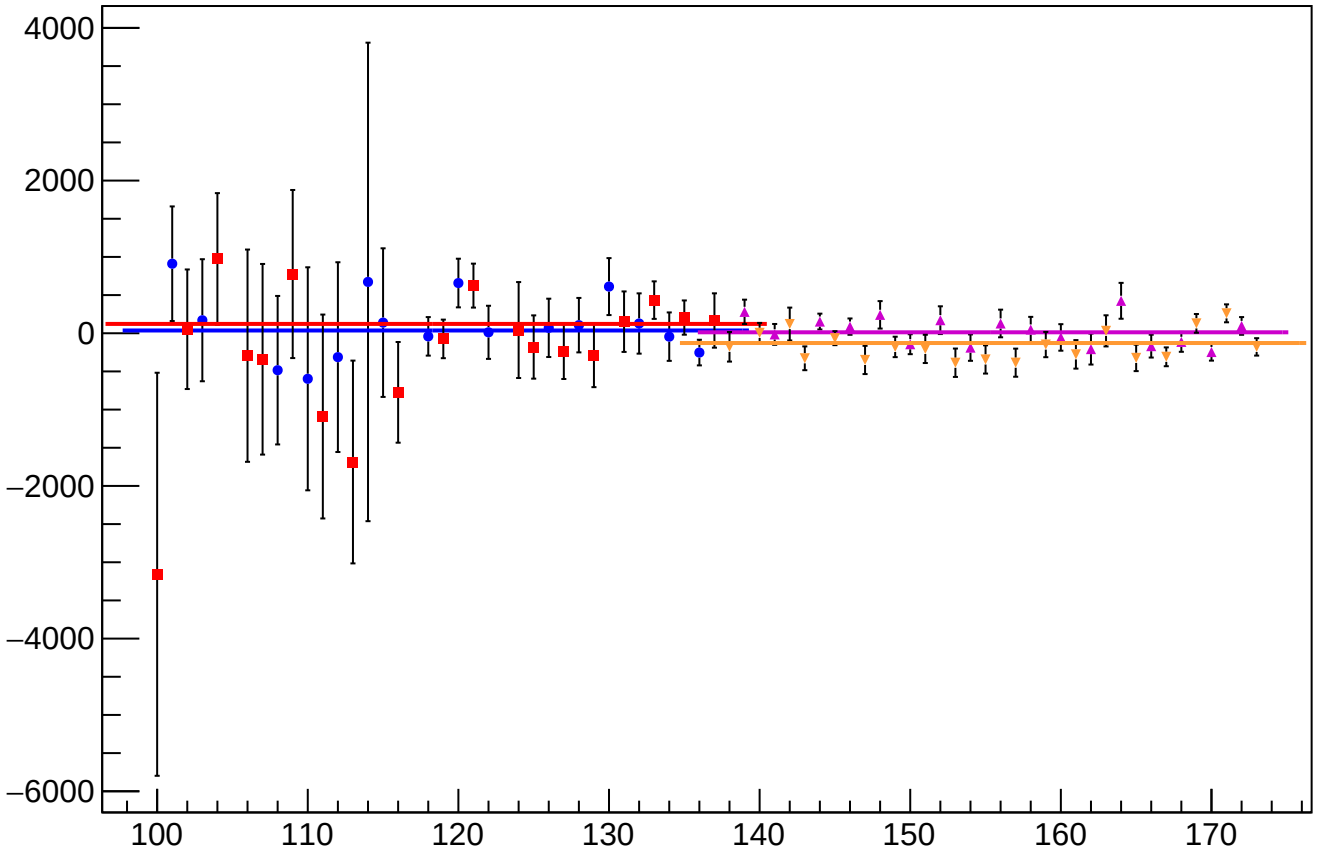
Left: 38.559+/-0.005 χ^2/NDF: 817253.3/35

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 41.880+/-0.007 χ^2/NDF:2464306.1/32

Out: 41.651+/-0.006 χ^2/NDF:2975071.5/37

All: 41.762+/-0.005 χ^2/NDF: 5439994.5/70



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -127.862+/-33.838 χ^2/NDF:31.8/18

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 12.557+/-34.798 χ^2/NDF:23.3/16

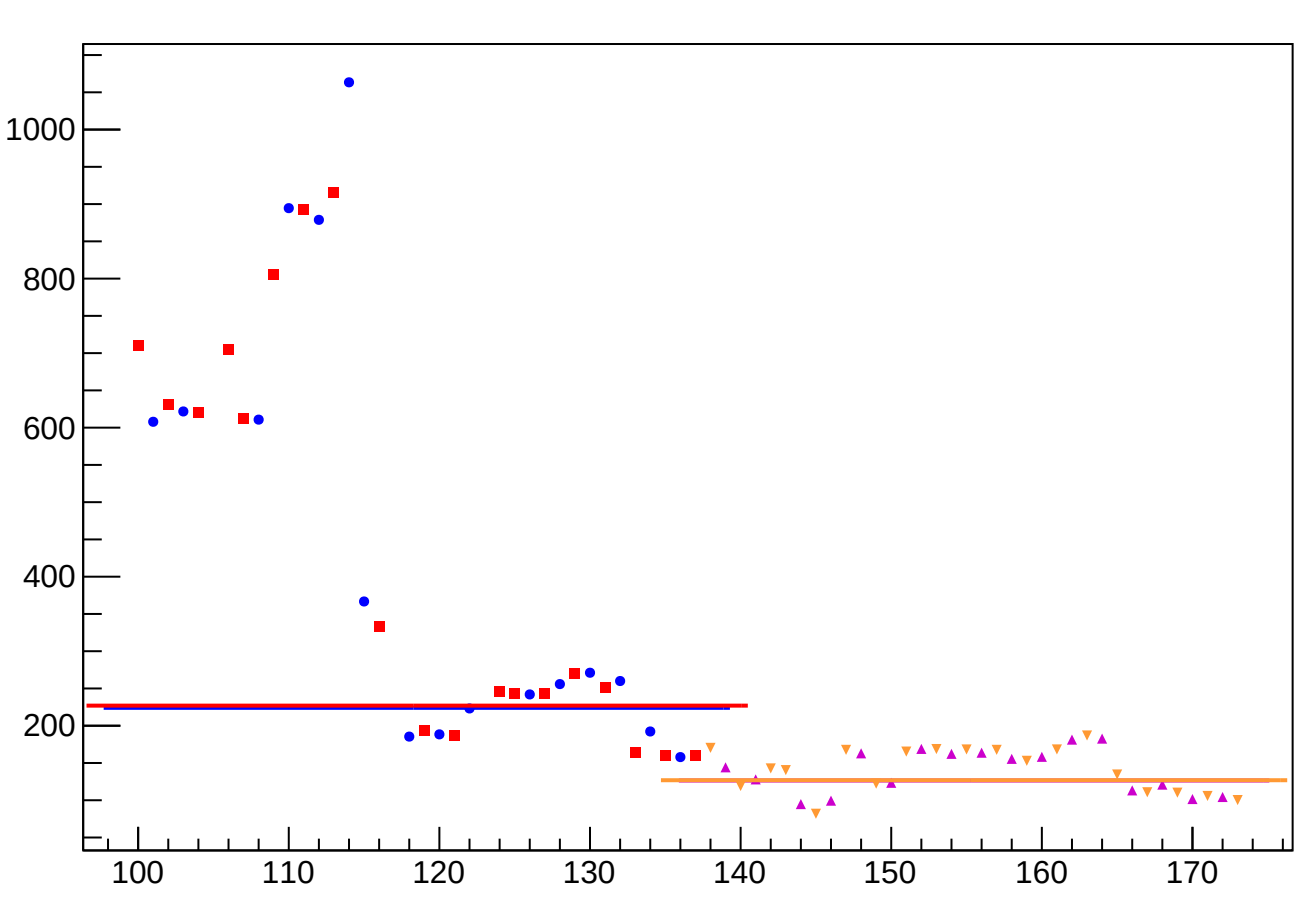
Left: -59.617+/-24.259 χ^2/NDF: 63.4/35

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 15.446+/-32.615 χ^2/NDF:34.8/32

Out: -100.148+/-31.908 χ^2/NDF:53.4/37

All: -43.618+/-22.809 χ^2/NDF: 94.6/70



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 126.871+/-0.024 χ^2/NDF:1669847.8/18

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 126.468+/-0.025 χ^2/NDF:1280974.8/16

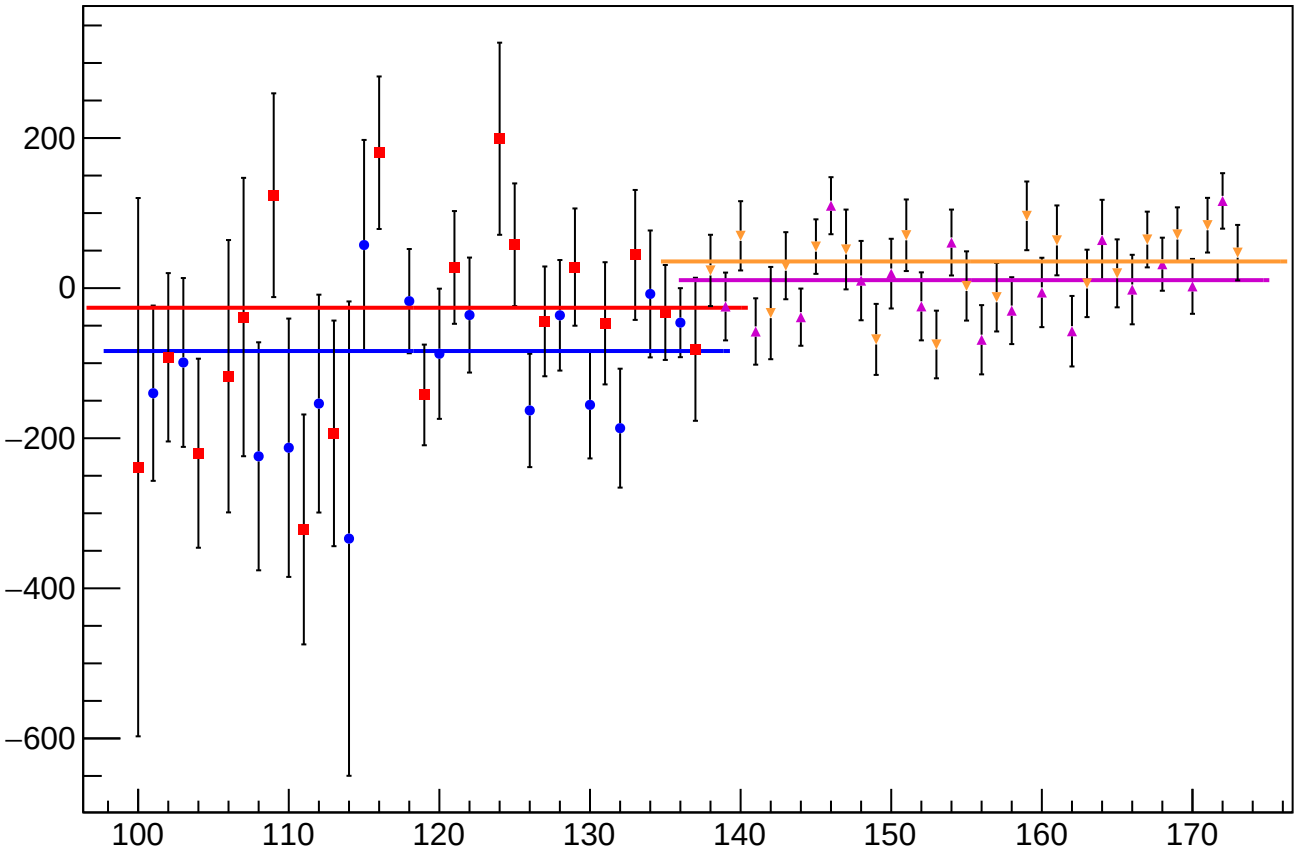
Left: 126.675+/-0.017 χ^2/NDF: 2950960.9/35

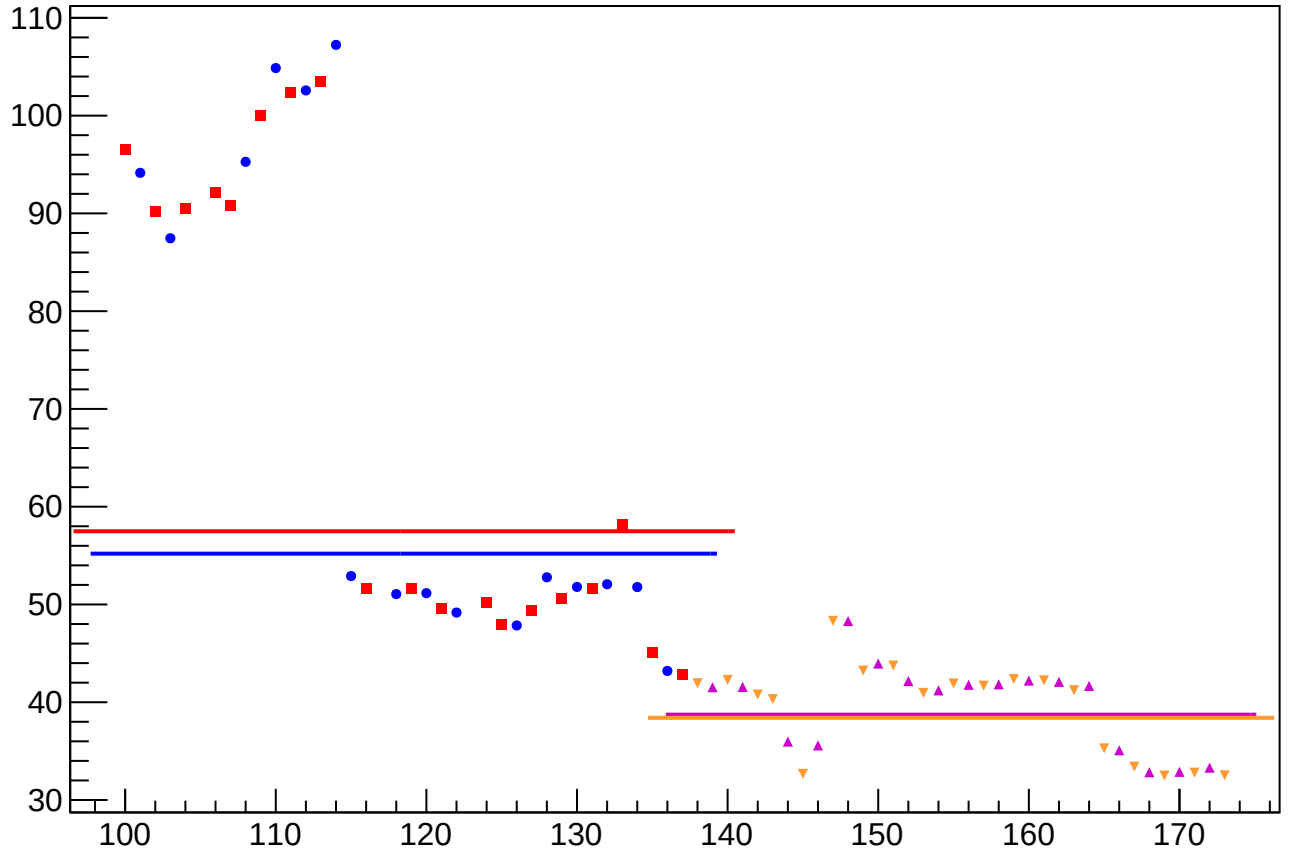
Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 138.325+/-0.023 χ^2/NDF:6159882.1/32

Out: 137.961+/-0.023 χ^2/NDF:7180819.6/37

All: 138.139+/-0.016 χ^2/NDF: 13340828.5/70


eigen_cor_asym_sam_37_26_dd_mean vs Slug, Sign Corrected
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
Right In: -83.805+/-21.434 χ²/NDF: 10.5/15
Left Out: 35.556+/-9.993 χ²/NDF:21.4/18
Right Out: -26.142+/-22.069 χ²/NDF: 22.9/18
Left In: 10.636+/-10.427 χ²/NDF:29.1/16
Left: 23.625+/-7.215 χ²/NDF: 53.4/35
Right: -55.815+/-15.376 χ²/NDF: 37.0/34
In: -7.435+/-9.376 χ²/NDF:55.3/32
Out: 25.058+/-9.103 χ²/NDF:50.8/37
All: 9.291+/-6.531 χ²/NDF: 112.3/70



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 38.403+/-0.007 χ^2/NDF:459215.5/18

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.729+/-0.007 χ^2/NDF:357019.3/16

Left: 38.559+/-0.005 χ^2/NDF: 817253.3/35

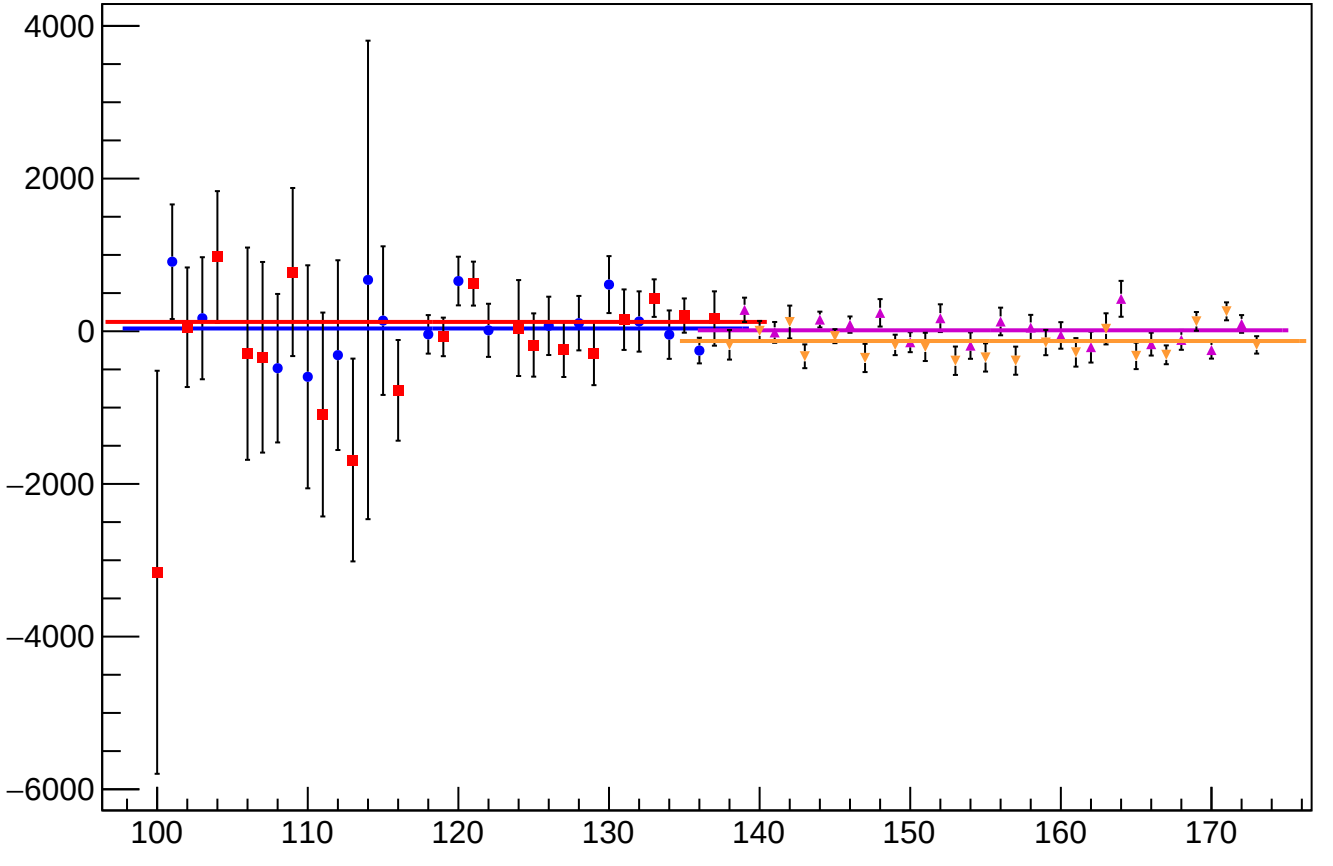
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 41.880+/-0.007 χ^2/NDF:2464306.1/32

Out: 41.651+/-0.006 χ^2/NDF:2975071.5/37

All: 41.762+/-0.005 χ^2/NDF: 5439994.5/70

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: -127.862+/-33.838 χ^2/NDF:31.8/18

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 12.557+/-34.798 χ^2/NDF:23.3/16

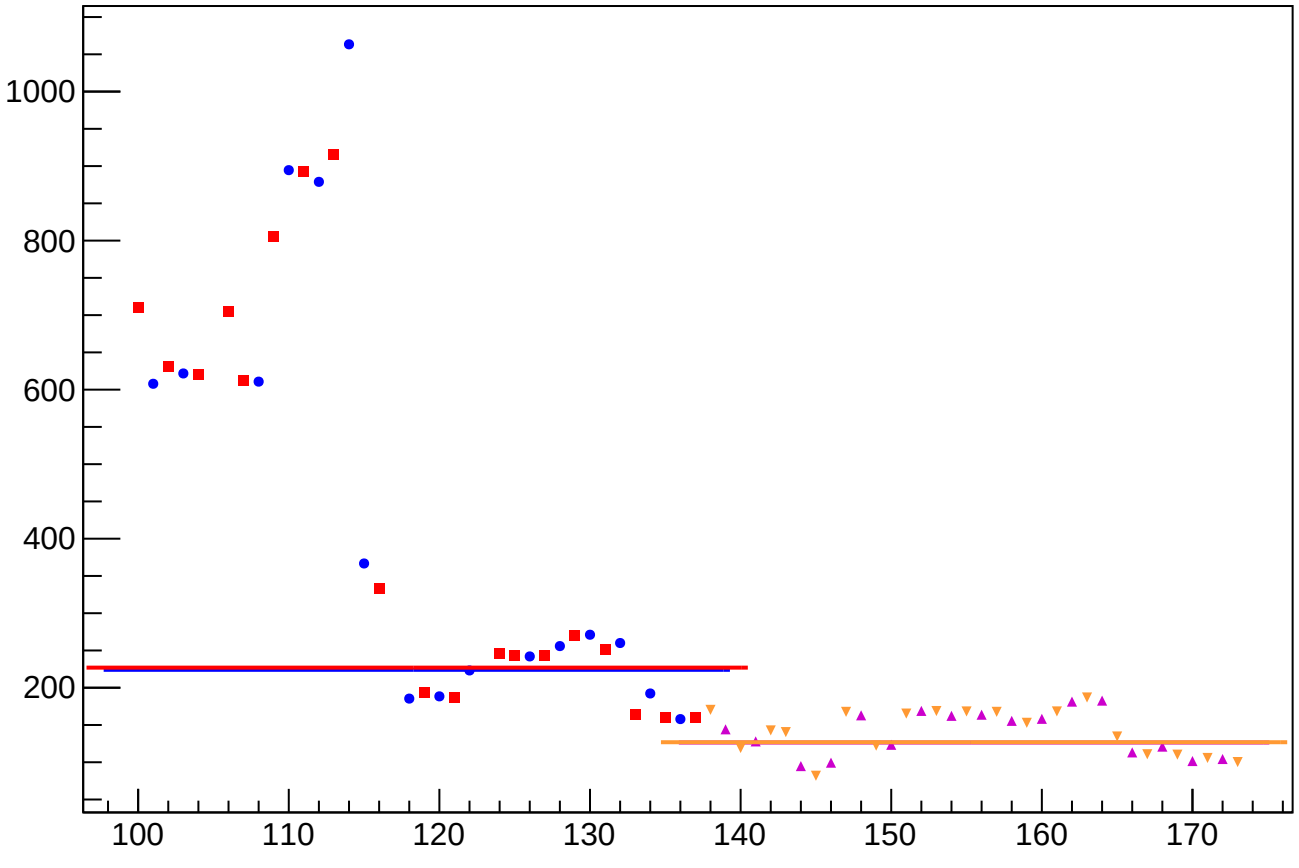
Left: -59.617+/-24.259 χ^2/NDF: 63.4/35

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 15.446+/-32.615 χ^2/NDF:34.8/32

Out: -100.148+/-31.908 χ^2/NDF:53.4/37

All: -43.618+/-22.809 χ^2/NDF: 94.6/70



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 126.871+/-0.024 χ^2/NDF:1669847.8/18

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 126.468+/-0.025 χ^2/NDF:1280974.8/16

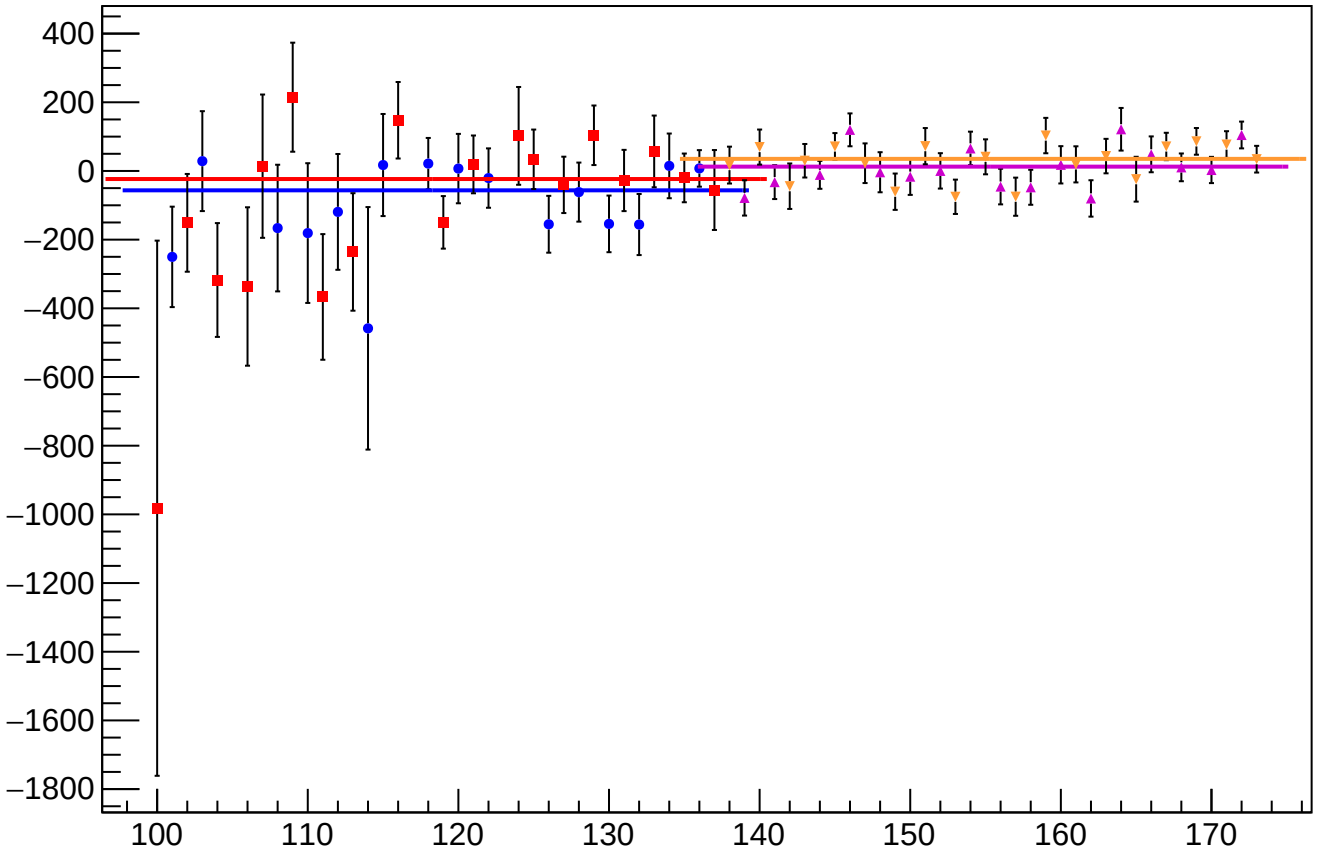
Left: 126.675+/-0.017 χ^2/NDF: 2950960.9/35

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 138.325+/-0.023 χ^2/NDF:6159882.1/32

Out: 137.961+/-0.023 χ^2/NDF:7180819.6/37

All: 138.139+/-0.016 χ^2/NDF: 13340828.5/70



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 35.229+/-11.083 χ^2/NDF:21.9/18

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: 12.596+/-11.698 χ^2/NDF:25.8/16

Left: 24.523+/-8.045 χ^2/NDF: 49.7/35

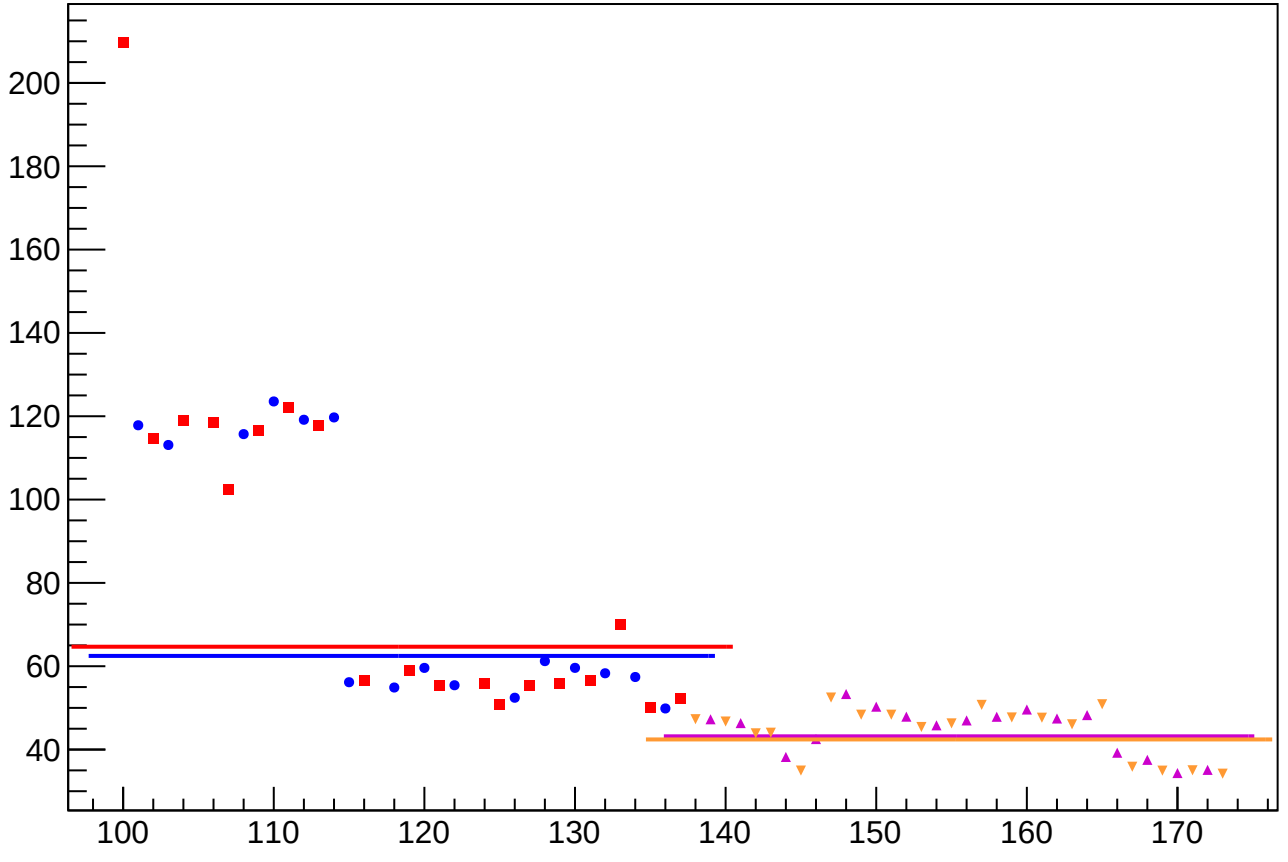
Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -0.226+/-10.556 χ^2/NDF:44.6/32

Out: 25.686+/-10.142 χ^2/NDF:50.5/37

All: 13.248+/-7.313 χ^2/NDF: 98.2/70

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: 42.426+/-0.008 χ^2/NDF:655903.0/18

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 43.175+/-0.008 χ^2/NDF:494348.1/16

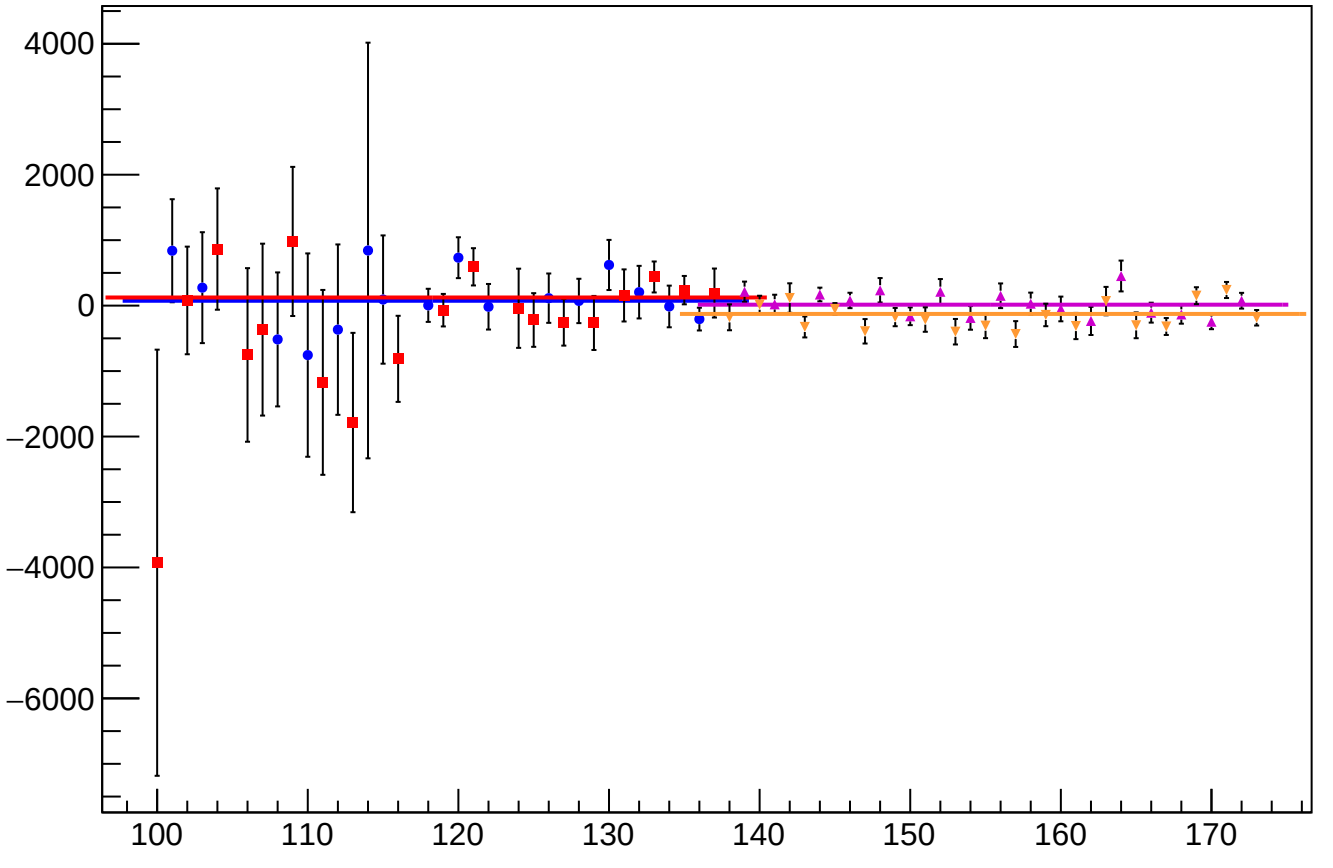
Left: 42.780+/-0.006 χ^2/NDF: 1154572.7/35

Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 46.760+/-0.007 χ^2/NDF:2853951.1/32

Out: 46.042+/-0.007 χ^2/NDF:3556793.5/37

All: 46.387+/-0.005 χ^2/NDF: 6415563.5/70



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -127.015+/-35.073 χ^2/NDF:30.6/18

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 14.253+/-36.206 χ^2/NDF:22.2/16

Left: -58.627+/-25.191 χ^2/NDF: 60.6/35

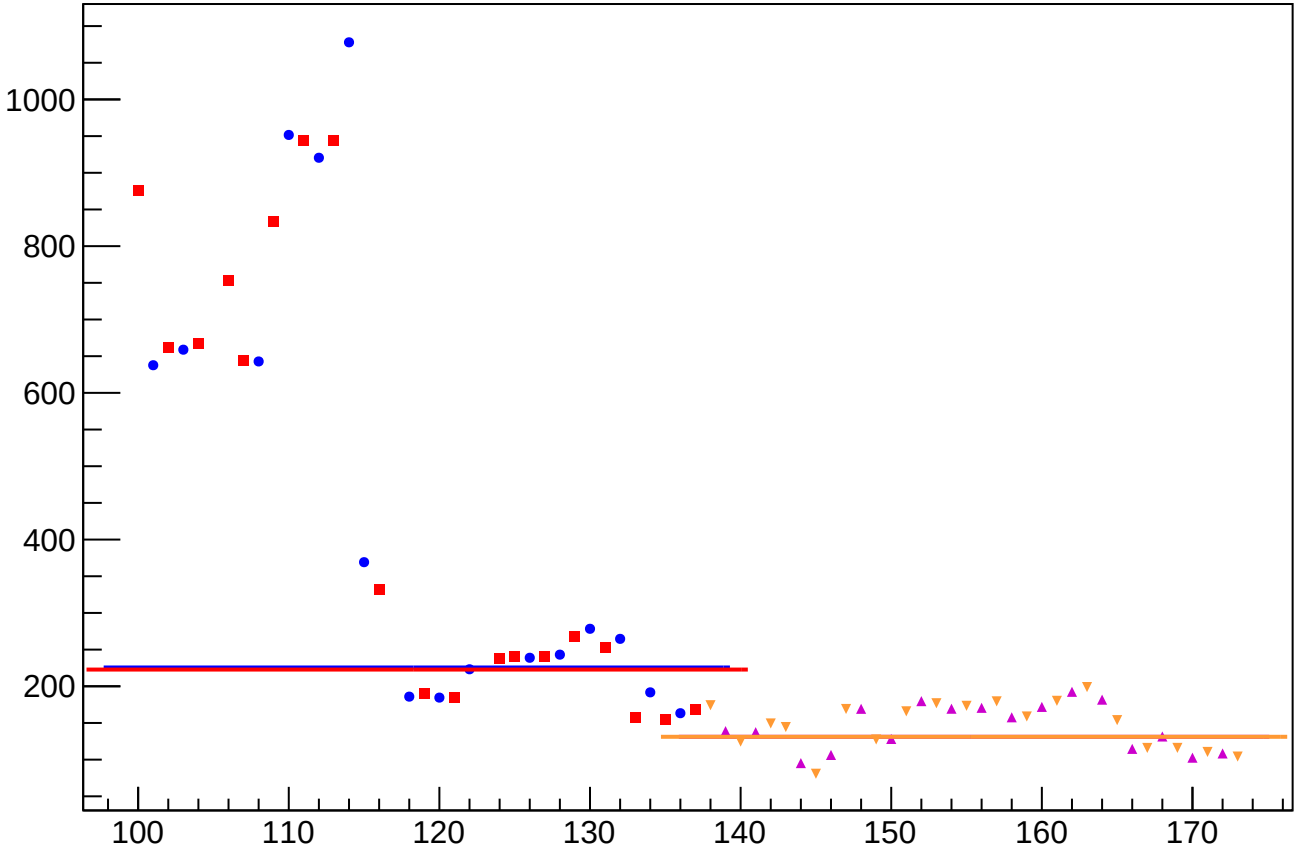
Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 21.939+/-33.809 χ^2/NDF:33.7/32

Out: -96.694+/-32.888 χ^2/NDF:53.1/37

All: -39.015+/-23.574 χ^2/NDF: 93.2/70

asym_sam_37_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 131.141+/-0.025 χ^2/NDF:1842427.2/18

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 131.102+/-0.026 χ^2/NDF:1338306.0/16

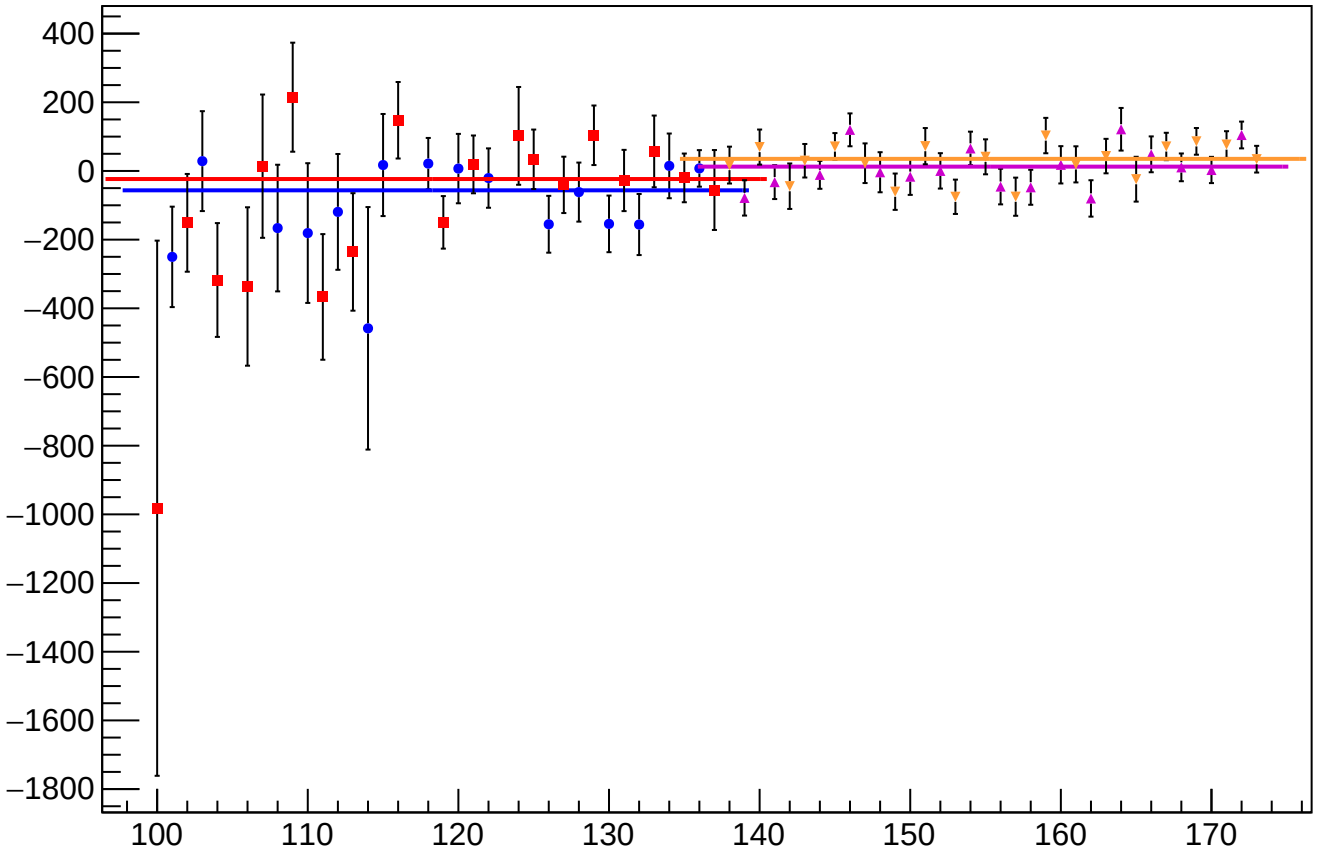
Left: 131.122+/-0.018 χ^2/NDF: 3180734.4/35

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 143.201+/-0.024 χ^2/NDF:6109017.2/32

Out: 142.203+/-0.023 χ^2/NDF:7338748.5/37

All: 142.688+/-0.017 χ^2/NDF: 13448662.4/70



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 35.230+/-11.083 χ^2/NDF:21.9/18

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: 12.596+/-11.698 χ^2/NDF:25.8/16

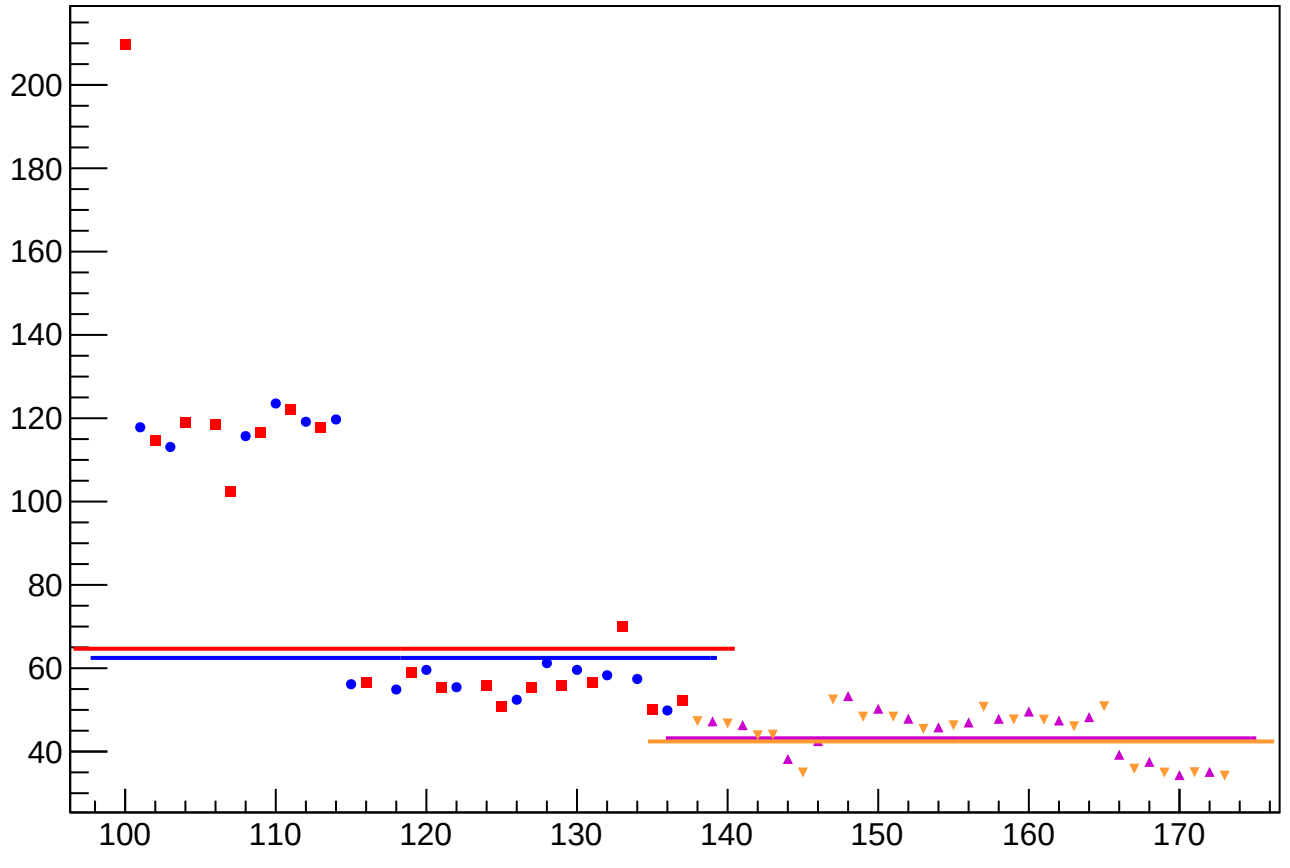
Left: 24.524+/-8.045 χ^2/NDF: 49.7/35

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -0.226+/-10.556 χ^2/NDF:44.6/32

Out: 25.687+/-10.142 χ^2/NDF:50.5/37

All: 13.248+/-7.313 χ^2/NDF: 98.2/70



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 42.426+/-0.008 χ^2/NDF:655916.0/18

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 43.175+/-0.008 χ^2/NDF:494356.8/16

Left: 42.780+/-0.006 χ^2/NDF: 1154594.6/35

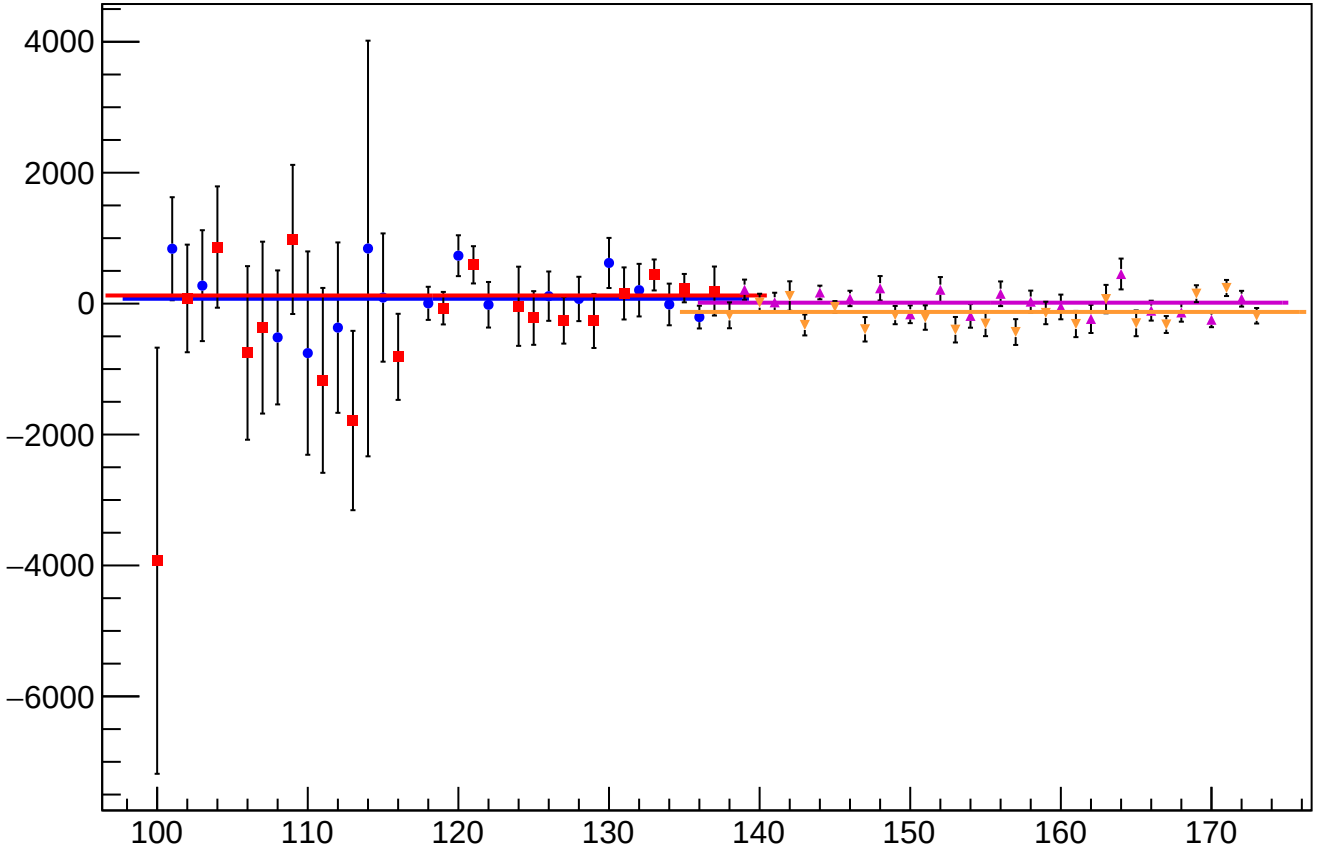
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 46.761+/-0.007 χ^2/NDF:2853894.4/32

Out: 46.042+/-0.007 χ^2/NDF:3556758.0/37

All: 46.387+/-0.005 χ^2/NDF: 6415471.0/70

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: -127.015+/-35.073 χ^2/NDF:30.6/18

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 14.253+/-36.206 χ^2/NDF:22.2/16

Left: -58.626+/-25.191 χ^2/NDF: 60.6/35

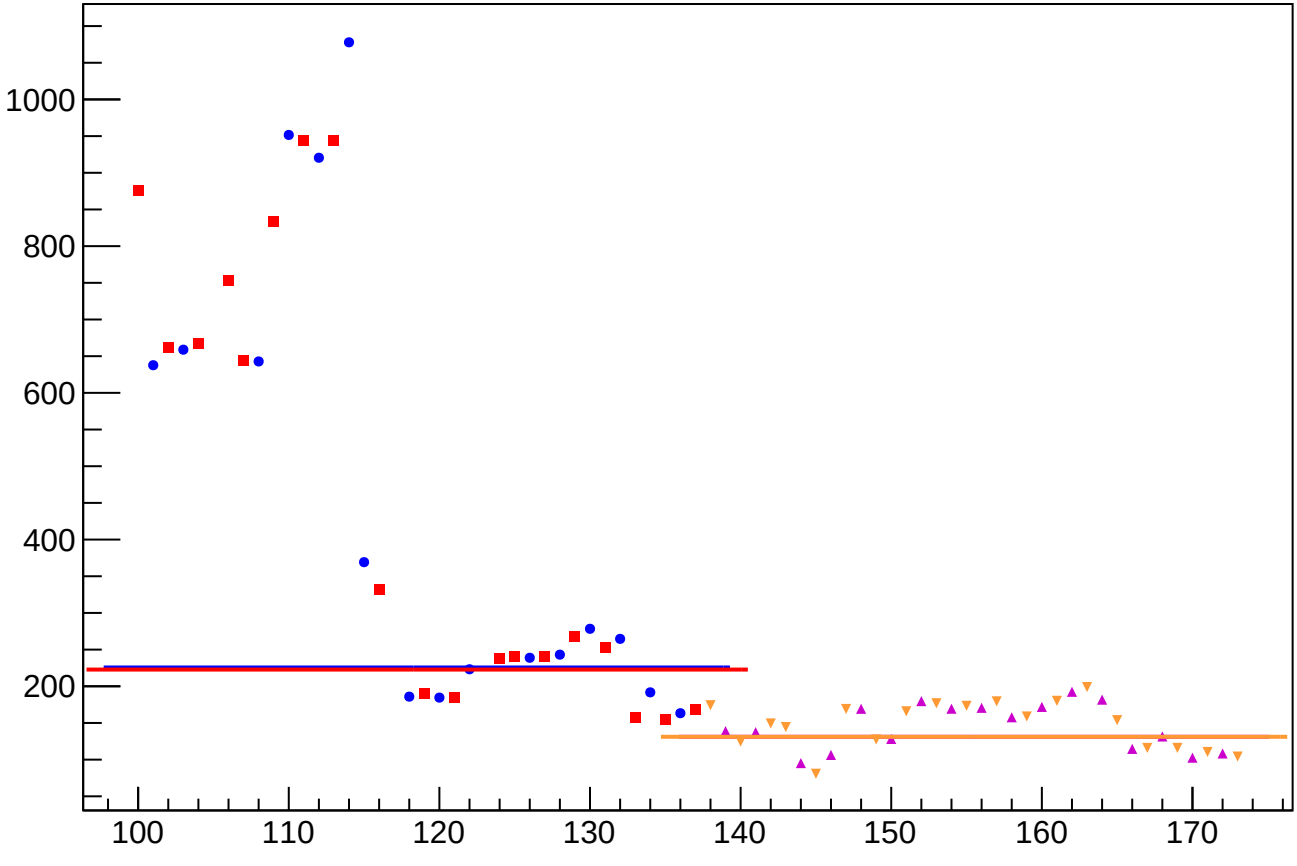
Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 21.940+/-33.809 χ^2/NDF:33.7/32

Out: -96.694+/-32.888 χ^2/NDF:53.1/37

All: -39.015+/-23.574 χ^2/NDF: 93.2/70

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 131.142+/-0.025 χ^2/NDF:1842416.0/18

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 131.102+/-0.026 χ^2/NDF:1338304.3/16

Left: 131.123+/-0.018 χ^2/NDF: 3180721.5/35

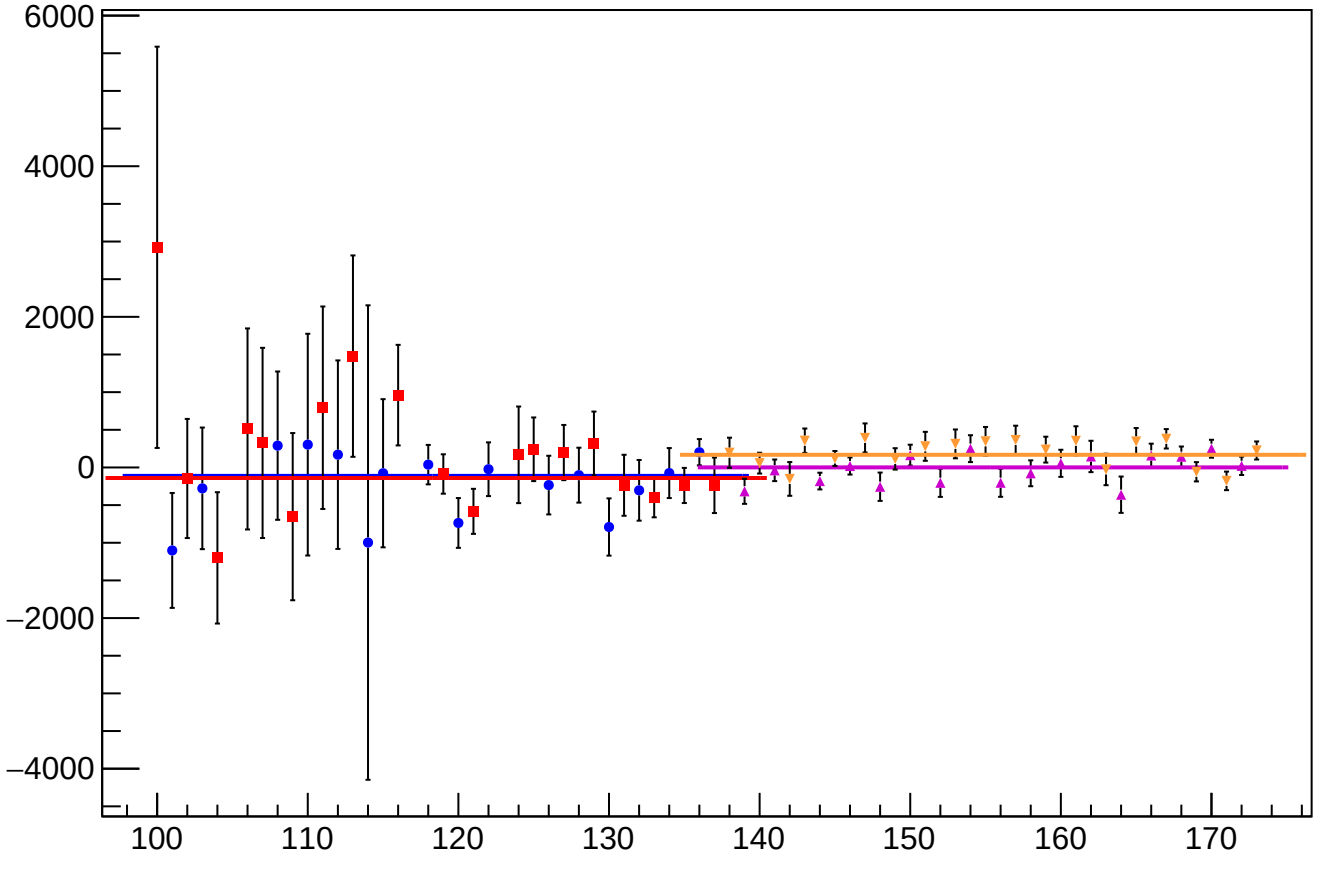
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 143.201+/-0.024 χ^2/NDF:6108996.9/32

Out: 142.203+/-0.023 χ^2/NDF:7338718.7/37

All: 142.688+/-0.017 χ^2/NDF: 13448612.0/70

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 168.005+/-35.456 χ^2/NDF:25.5/18

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: 0.932+/-36.500 χ^2/NDF:23.5/16

Left: 86.893+/-25.432 χ^2/NDF: 59.8/35

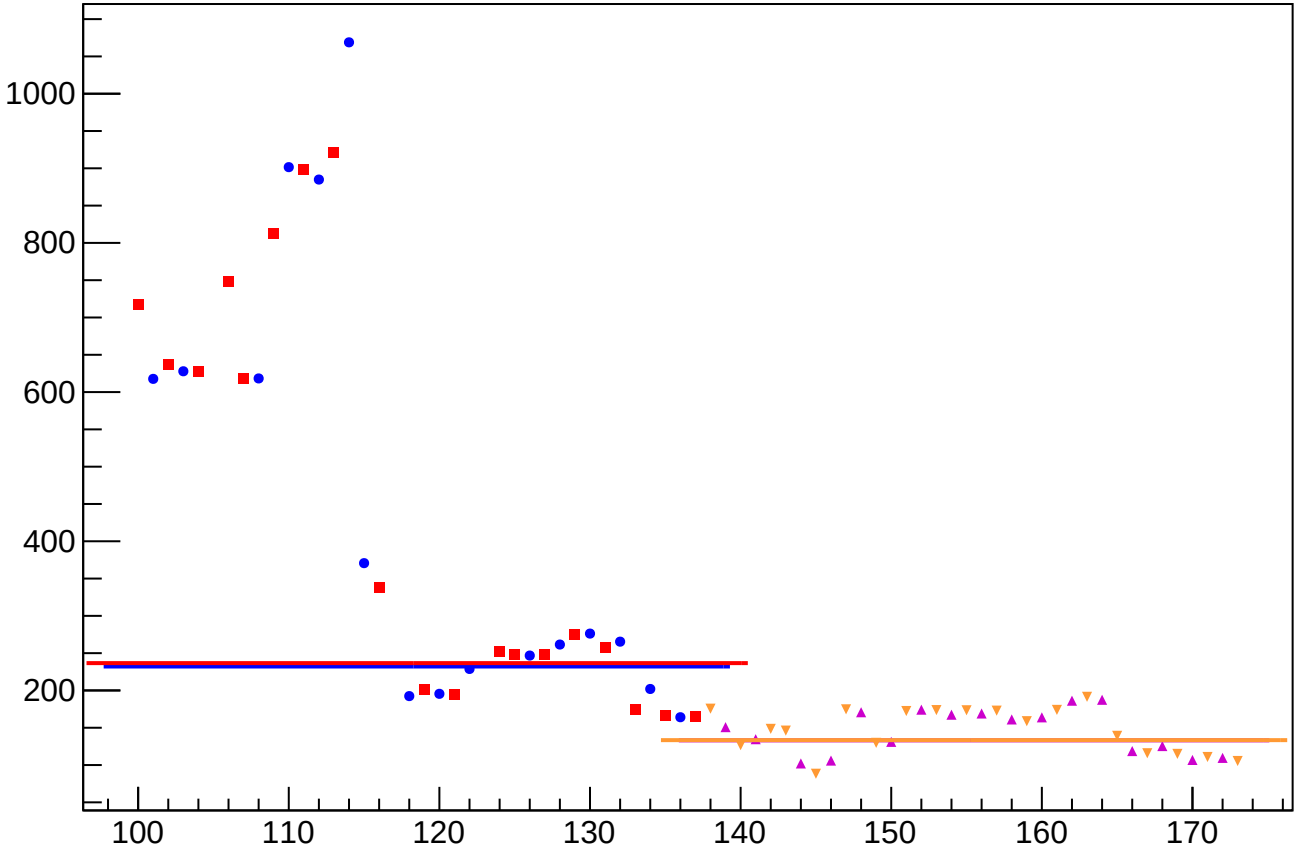
Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -13.179+/-34.142 χ^2/NDF:37.5/32

Out: 133.102+/-33.386 χ^2/NDF:48.7/37

All: 61.598+/-23.870 χ^2/NDF: 95.6/70

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 133.378+/-0.025 χ^2/NDF:1514276.9/18

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 133.059+/-0.026 χ^2/NDF:1156867.1/16

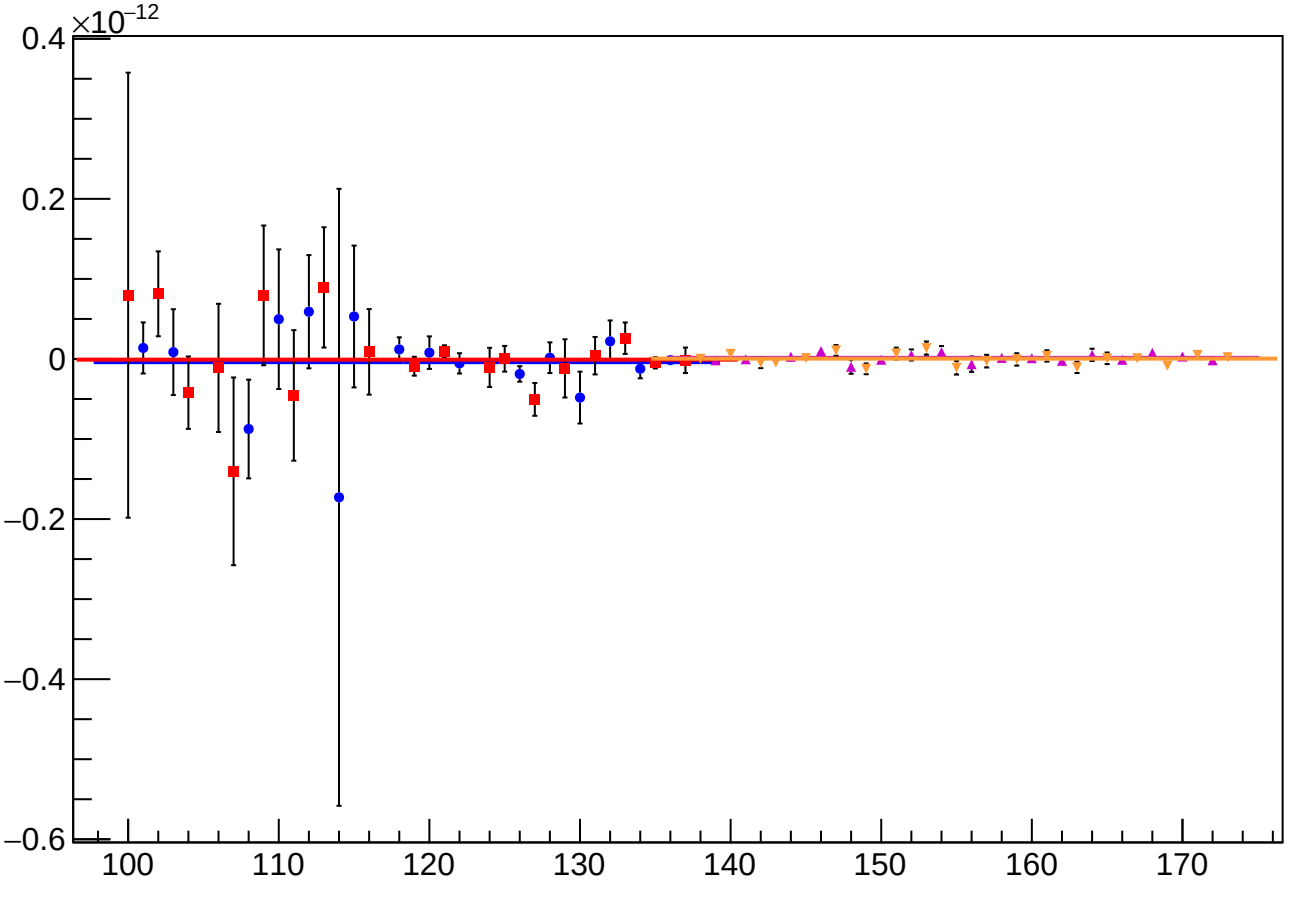
Left: 133.223+/-0.018 χ^2/NDF: 2671222.5/35

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 145.444+/-0.024 χ^2/NDF:5883977.2/32

Out: 145.081+/-0.024 χ^2/NDF:6958128.7/37

All: 145.259+/-0.017 χ^2/NDF: 12842221.6/70



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.5/18

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.6/16

Left: 0.000+/-0.000 χ^2/NDF: 32.3/35

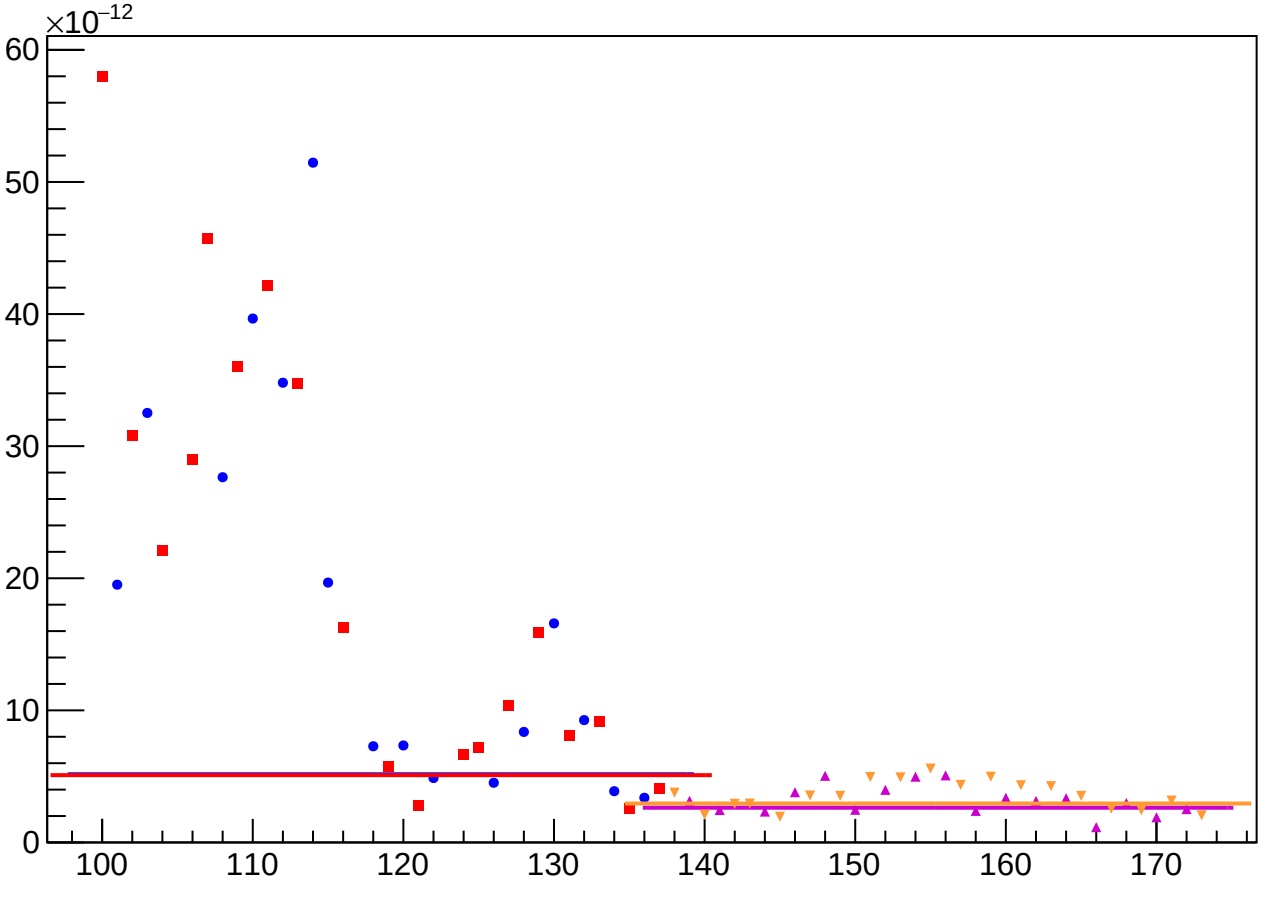
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:22.9/32

Out: 0.000+/-0.000 χ^2/NDF:40.6/37

All: 0.000+/-0.000 χ^2/NDF: 63.6/70

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1347530.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1241986.4/16

Left: 0.000+/-0.000 χ^2/NDF: 2657263.7/35

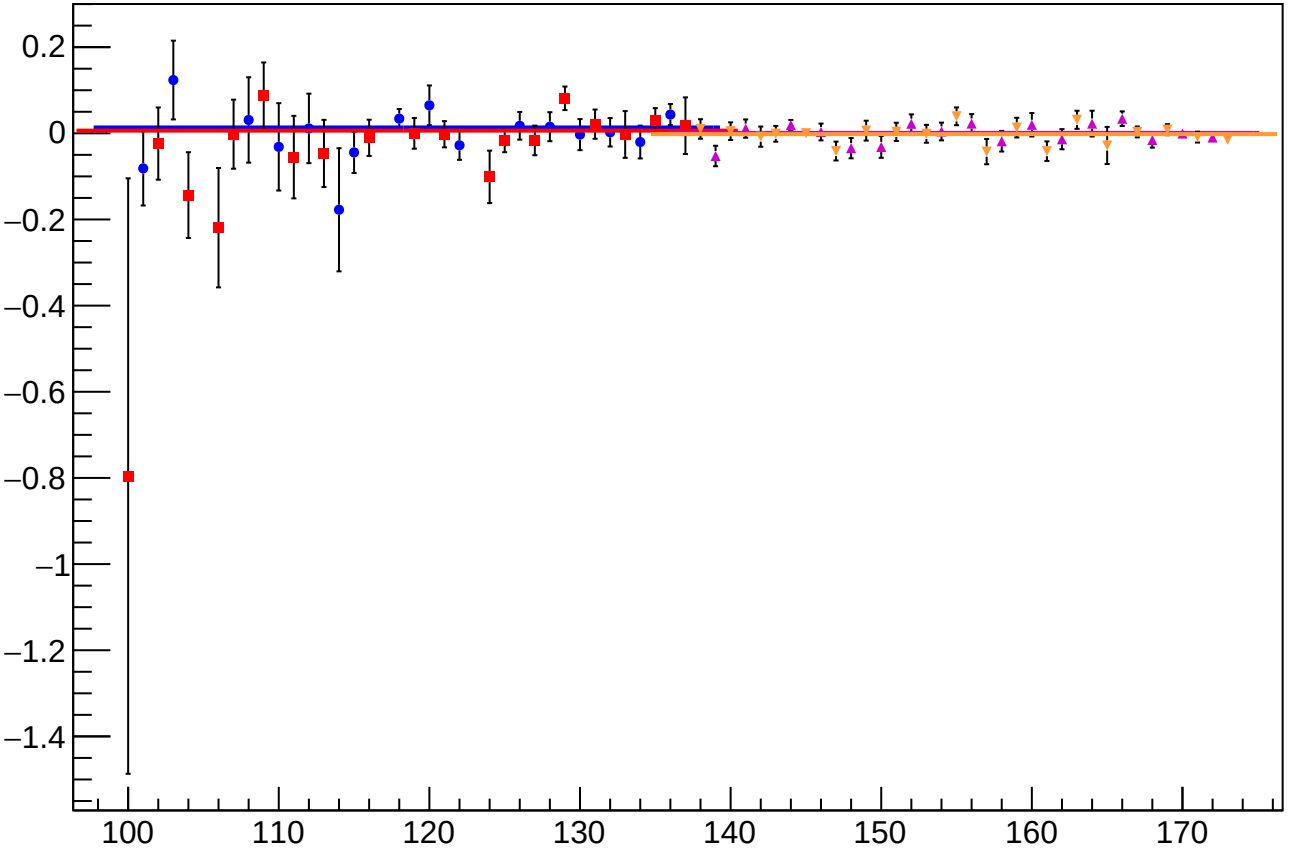
Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:4718597.5/32

Out: 0.000+/-0.000 χ^2/NDF:5121070.6/37

All: 0.000+/-0.000 χ^2/NDF: 9887691.9/70

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.004 χ^2/NDF:18.7/18

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.004 χ^2/NDF:21.3/16

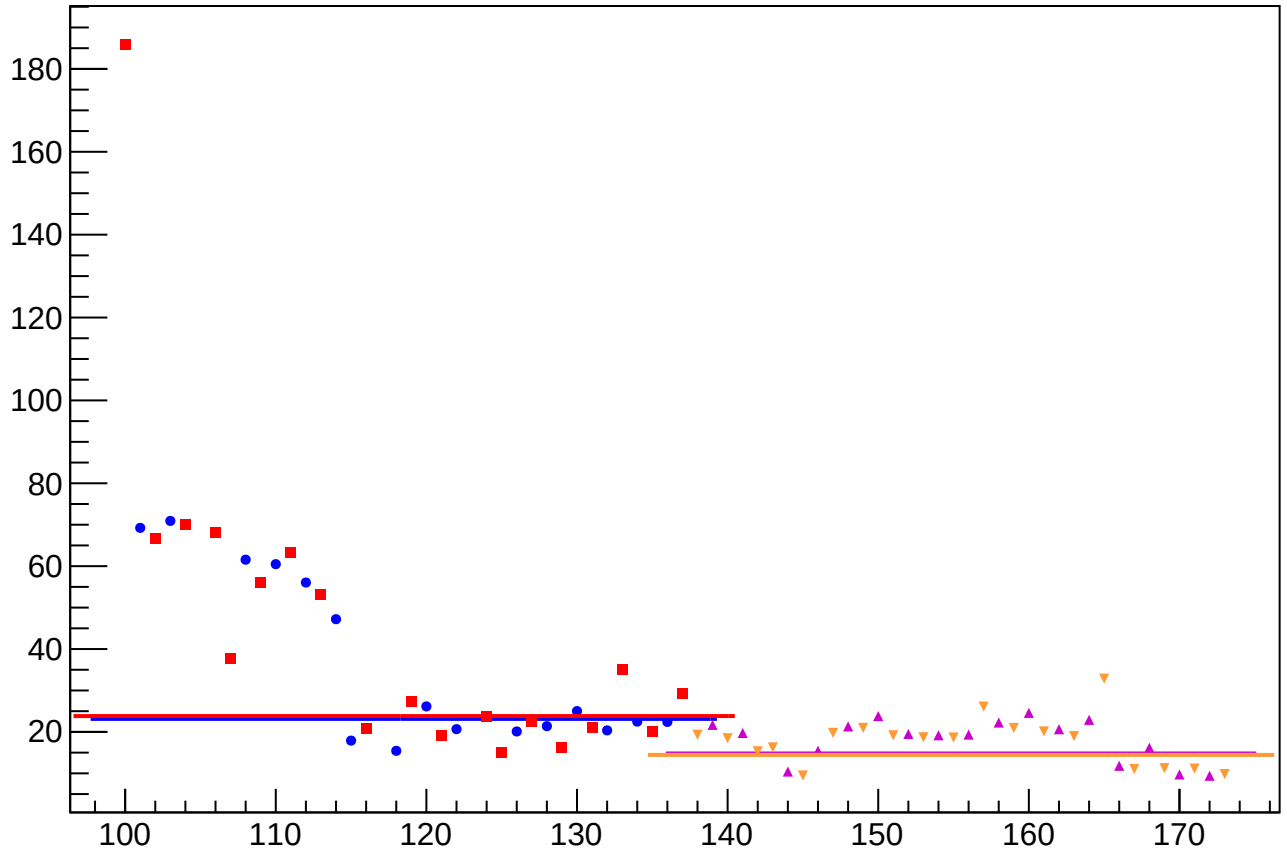
Left: -0.001+/-0.003 χ^2/NDF: 40.1/35

Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.003+/-0.004 χ^2/NDF:35.0/32

Out: -0.001+/-0.004 χ^2/NDF:40.7/37

All: 0.001+/-0.003 χ^2/NDF: 76.1/70



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 14.457+/-0.003 χ^2/NDF:2921128.1/18

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.796+/-0.003 χ^2/NDF:2970159.5/16

Left: 14.614+/-0.002 χ^2/NDF: 5897905.4/35

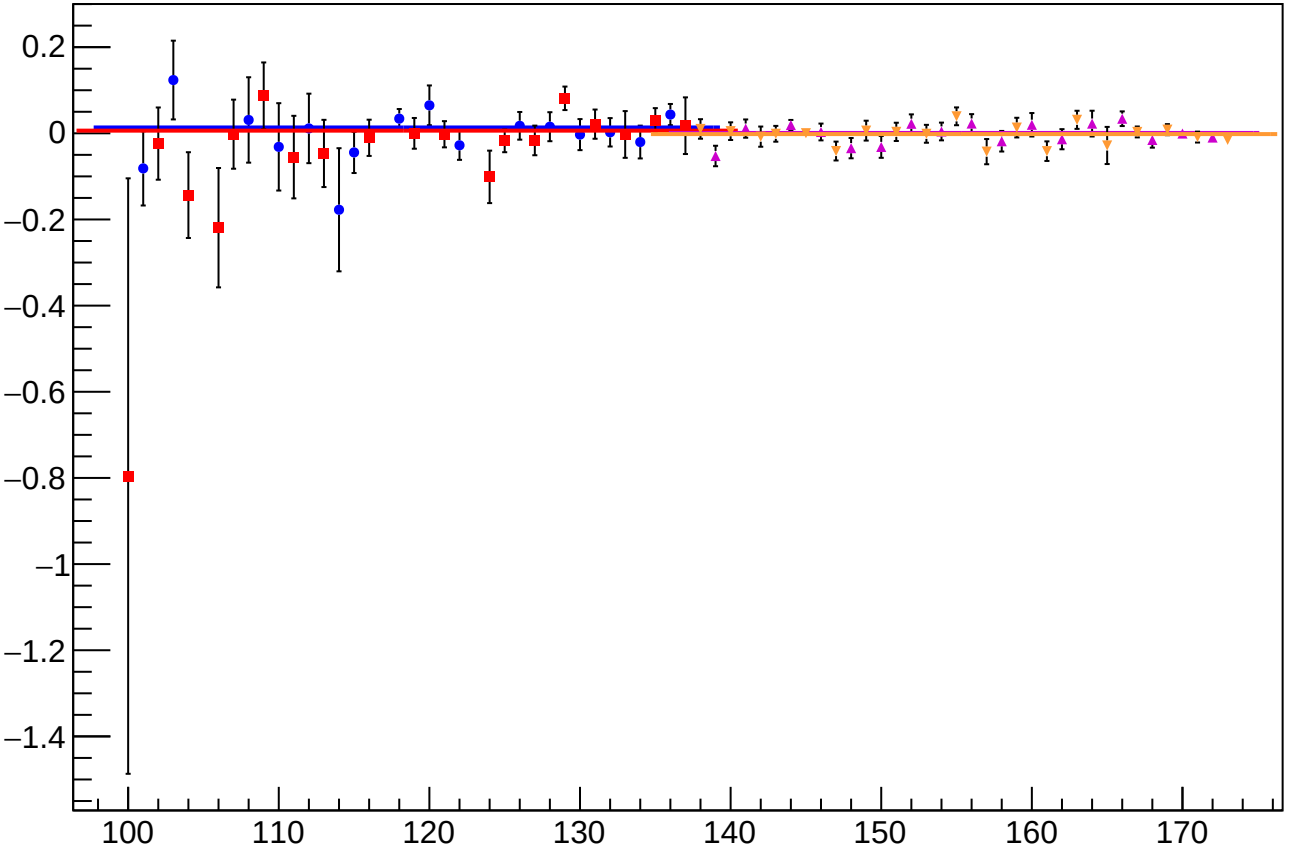
Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 16.145+/-0.003 χ^2/NDF:6582124.3/32

Out: 15.743+/-0.003 χ^2/NDF:7313972.4/37

All: 15.932+/-0.002 χ^2/NDF: 13907023.9/70

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.004 χ^2/NDF:18.7/18

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.004 χ^2/NDF:21.3/16

Left: -0.001+/-0.003 χ^2/NDF: 40.1/35

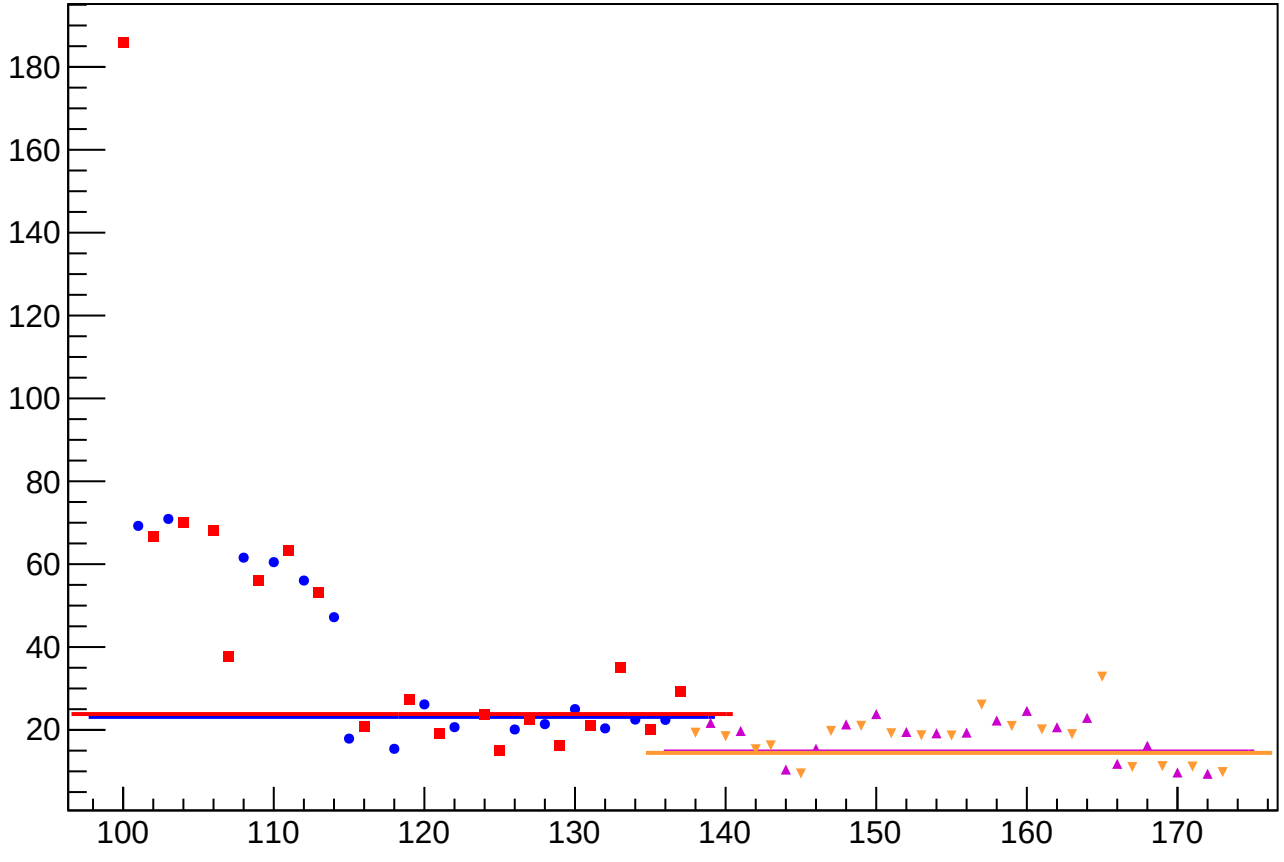
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.003+/-0.004 χ^2/NDF:35.0/32

Out: -0.001+/-0.004 χ^2/NDF:40.7/37

All: 0.001+/-0.003 χ^2/NDF: 76.1/70

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 14.457+/-0.003 χ^2/NDF:2921128.1/18

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.796+/-0.003 χ^2/NDF:2970159.5/16

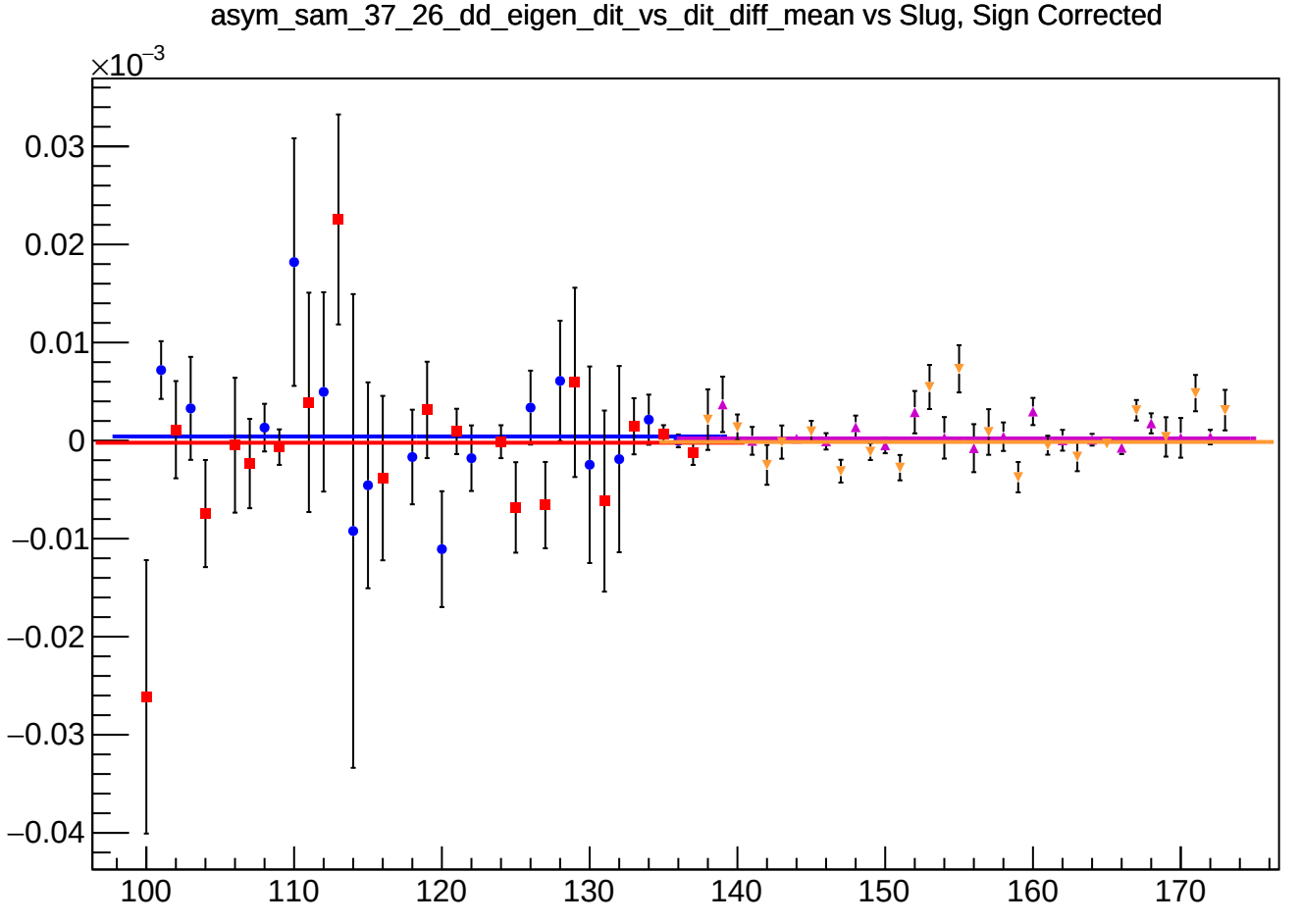
Left: 14.614+/-0.002 χ^2/NDF: 5897905.4/35

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 16.145+/-0.003 χ^2/NDF:6582124.3/32

Out: 15.743+/-0.003 χ^2/NDF:7313972.4/37

All: 15.932+/-0.002 χ^2/NDF: 13907023.9/70



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:58.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/16

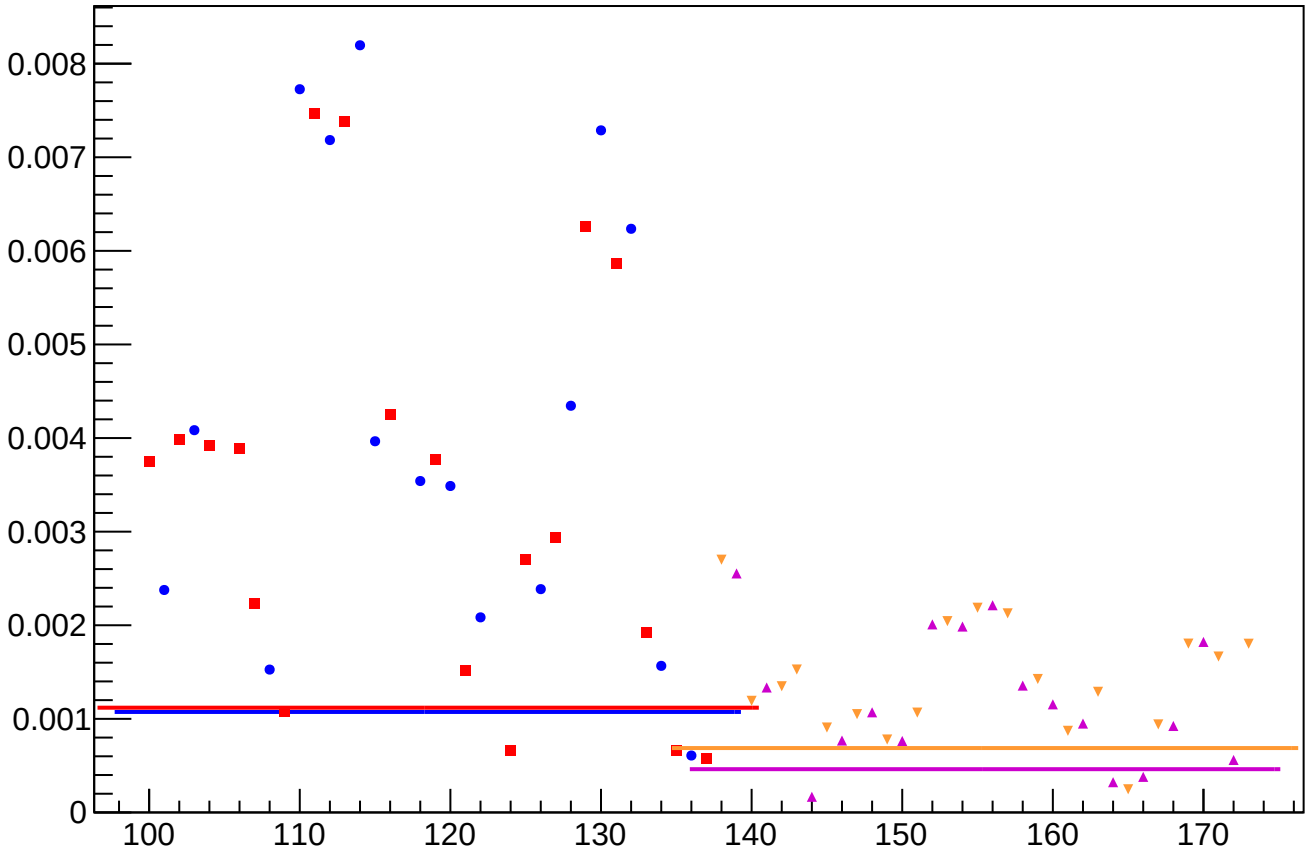
Left: 0.000+/-0.000 χ^2/NDF: 73.5/35

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:29.0/32

Out: -0.000+/-0.000 χ^2/NDF:76.2/37

All: 0.000+/-0.000 χ^2/NDF: 107.2/70



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:11190098.1/18

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:11868962.5/16

Left: 0.001+/-0.000 χ^2/NDF: 24254073.7/35

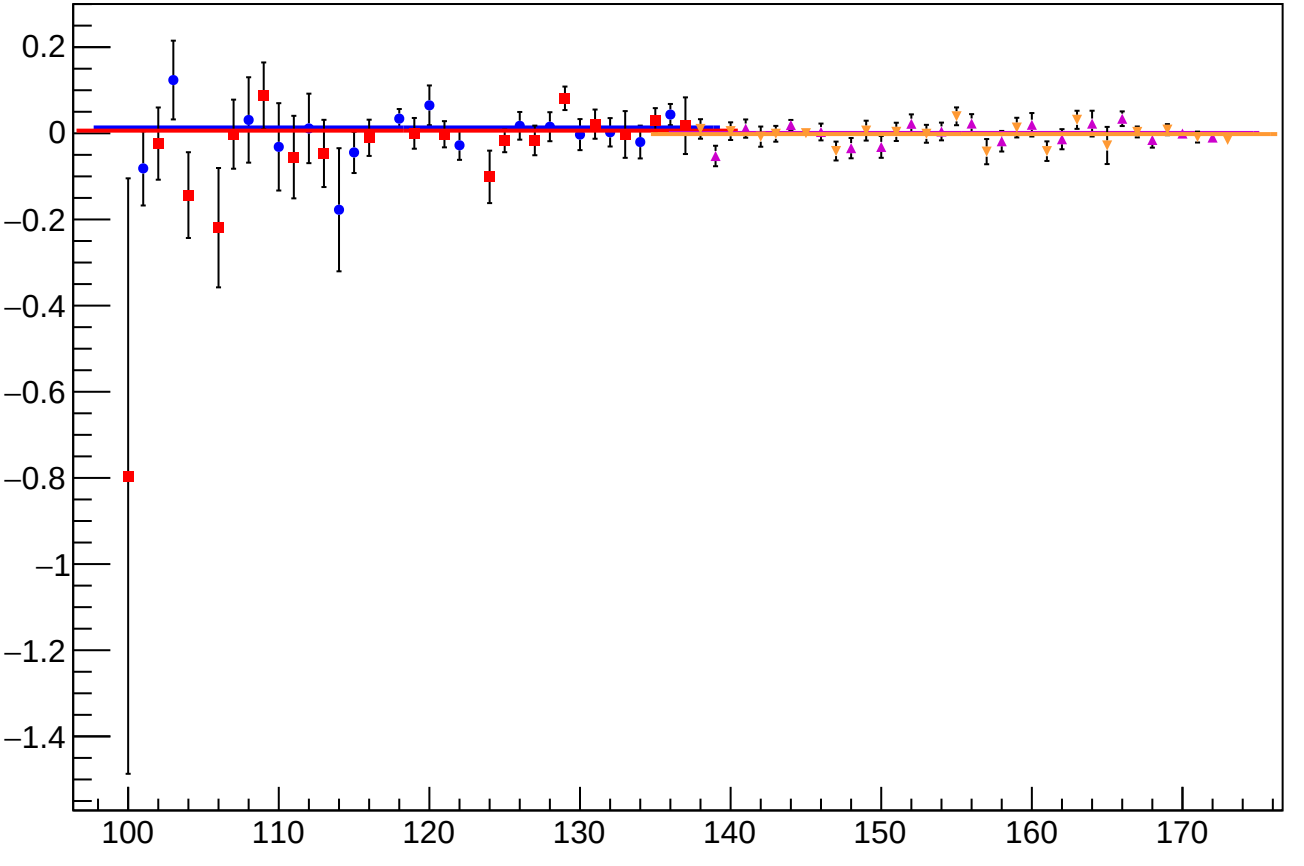
Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.001+/-0.000 χ^2/NDF:21064761.6/32

Out: 0.001+/-0.000 χ^2/NDF:18977102.4/37

All: 0.001+/-0.000 χ^2/NDF: 41438656.0/70

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.004 χ^2/NDF:18.7/18

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.004 χ^2/NDF:21.3/16

Left: -0.001+/-0.003 χ^2/NDF: 40.1/35

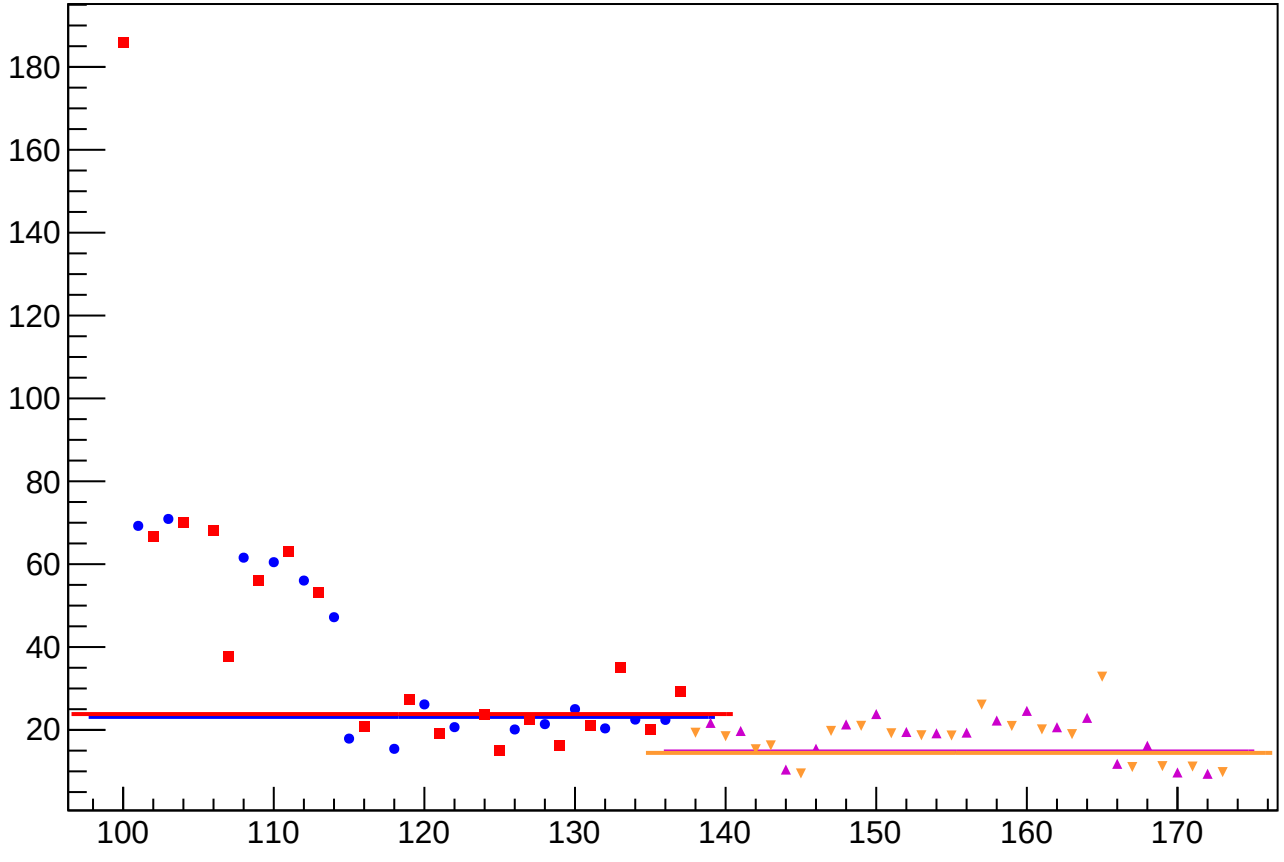
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.003+/-0.004 χ^2/NDF:35.0/32

Out: -0.001+/-0.004 χ^2/NDF:40.7/37

All: 0.001+/-0.003 χ^2/NDF: 76.1/70

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.457+/-0.003 χ^2/NDF:2921257.8/18

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.796+/-0.003 χ^2/NDF:2970234.9/16

Left: 14.614+/-0.002 χ^2/NDF: 5898109.7/35

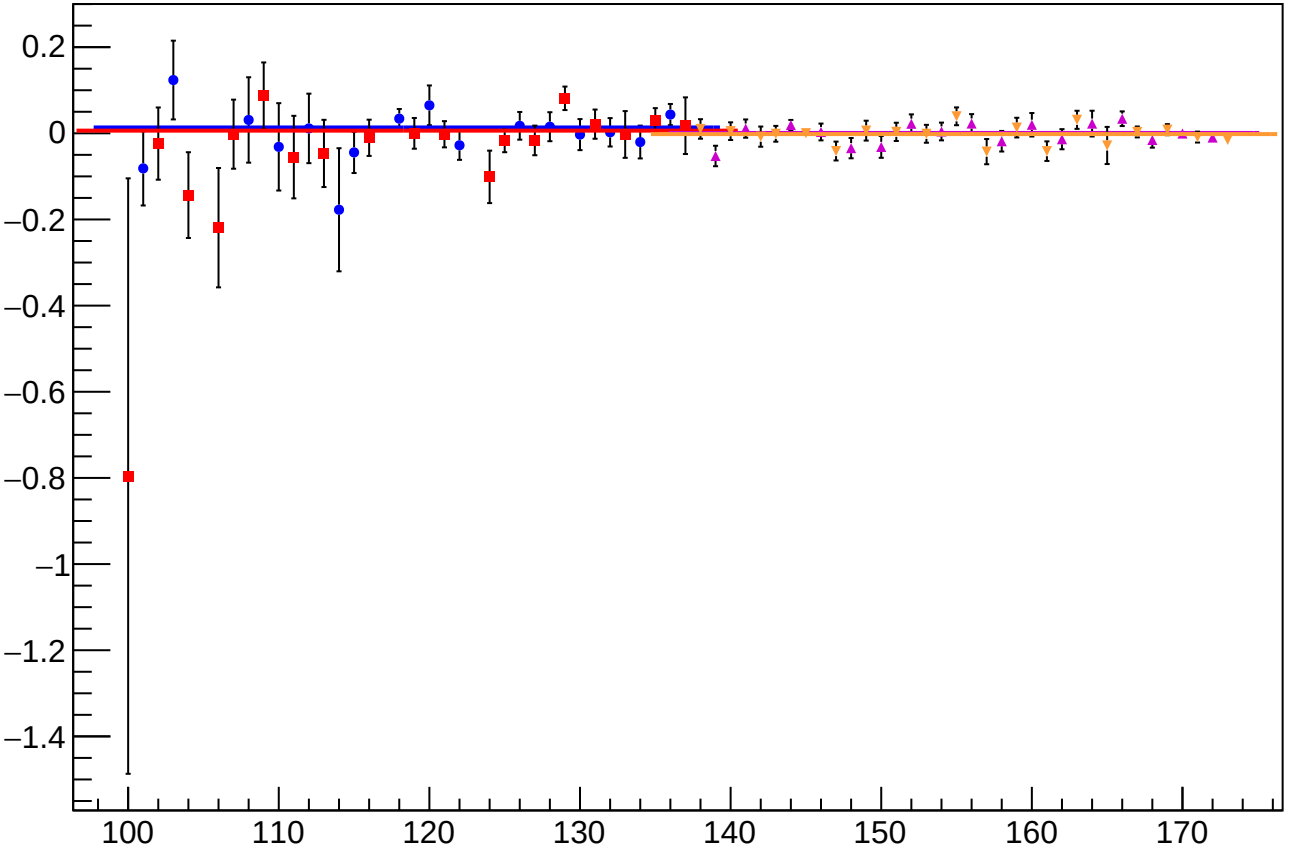
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 16.145+/-0.003 χ^2/NDF:6581943.0/32

Out: 15.743+/-0.003 χ^2/NDF:7313906.8/37

All: 15.932+/-0.002 χ^2/NDF: 13906772.2/70

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: -0.002+/-0.004 χ^2/NDF:18.7/18

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.004 χ^2/NDF:21.3/16

Left: -0.001+/-0.003 χ^2/NDF: 40.1/35

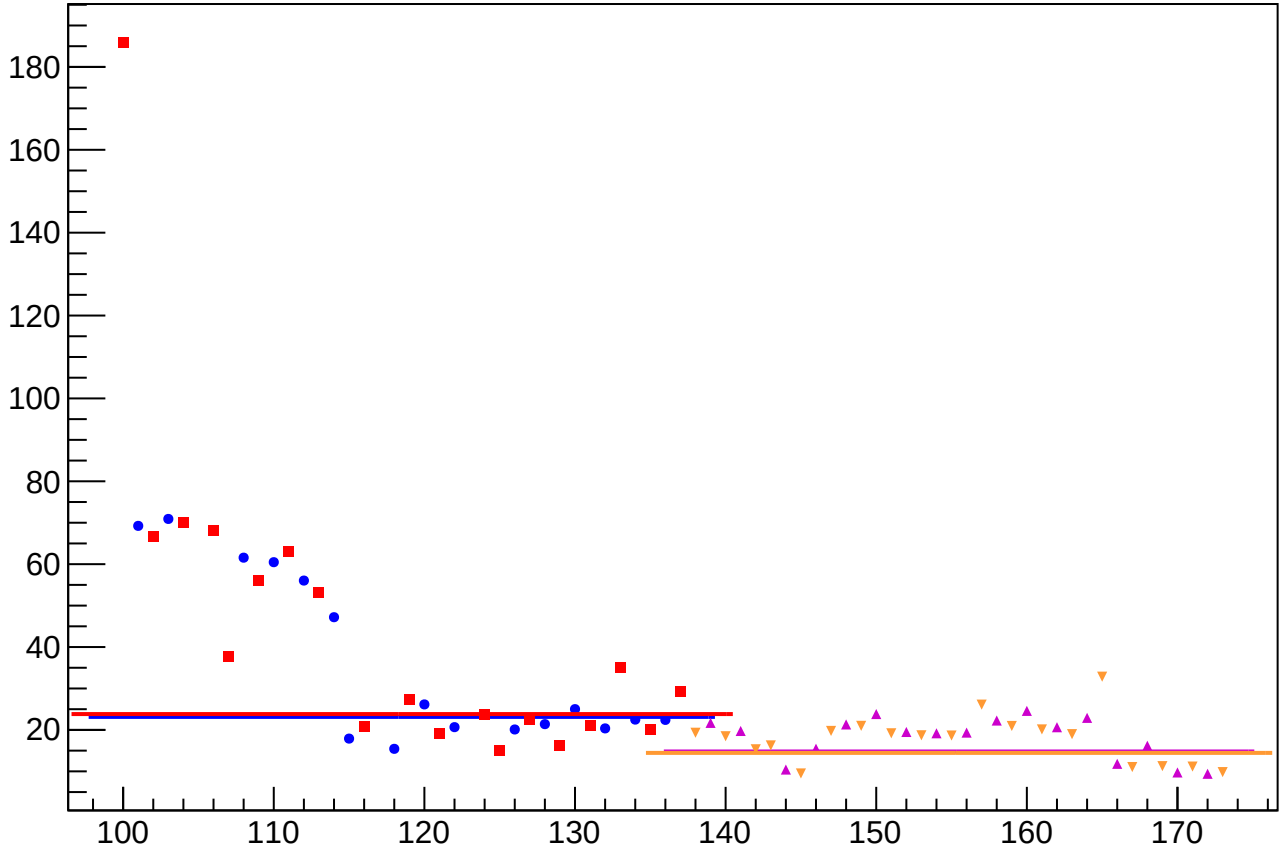
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.003+/-0.004 χ^2/NDF:35.0/32

Out: -0.001+/-0.004 χ^2/NDF:40.7/37

All: 0.001+/-0.003 χ^2/NDF: 76.1/70

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.457+/-0.003 χ^2/NDF:2921257.8/18

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.796+/-0.003 χ^2/NDF:2970234.9/16

Left: 14.614+/-0.002 χ^2/NDF: 5898109.7/35

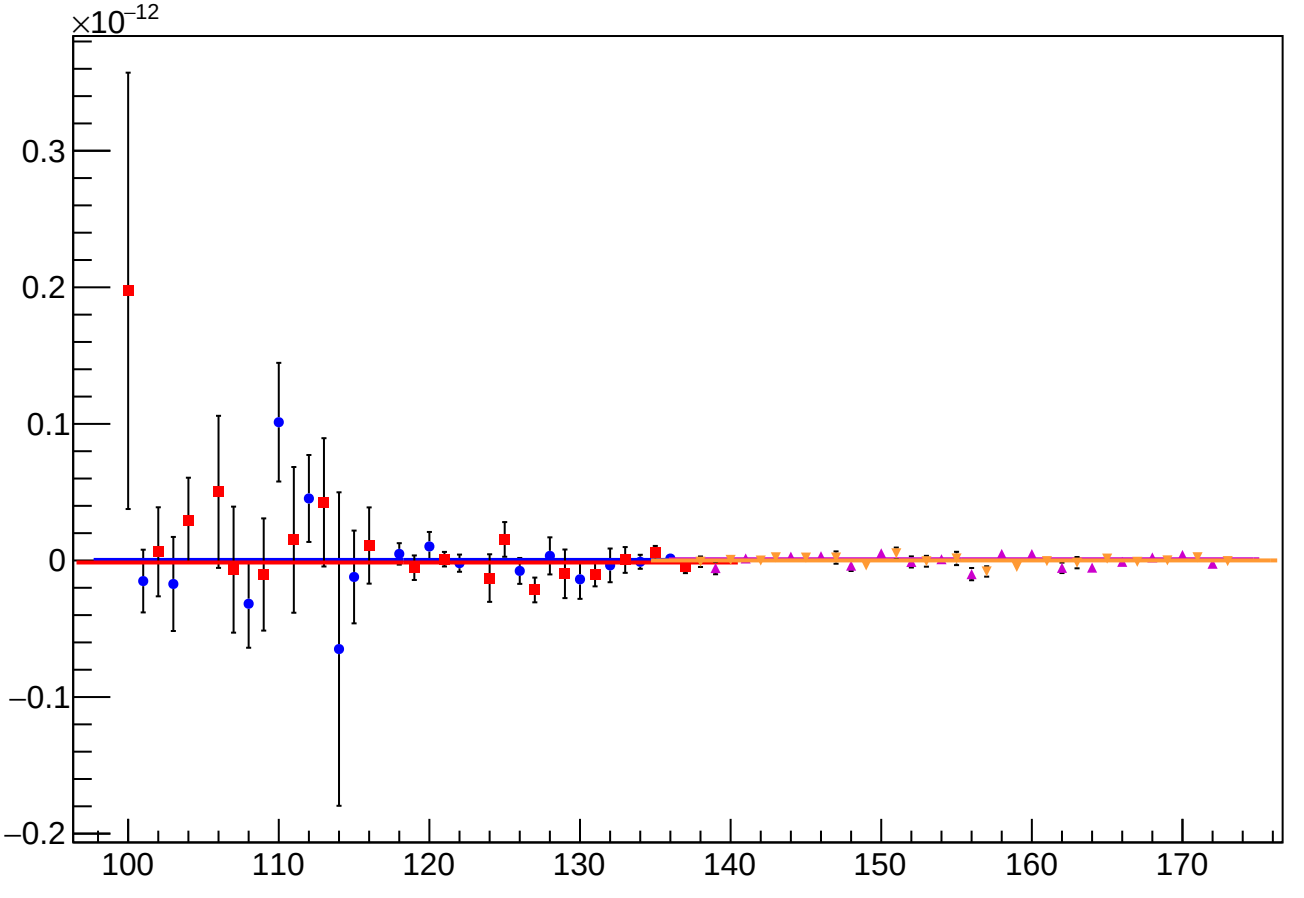
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 16.145+/-0.003 χ^2/NDF:6581943.0/32

Out: 15.743+/-0.003 χ^2/NDF:7313906.8/37

All: 15.932+/-0.002 χ^2/NDF: 13906772.2/70

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

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

Left: 0.000+/-0.000 χ^2/NDF: 40.8/35

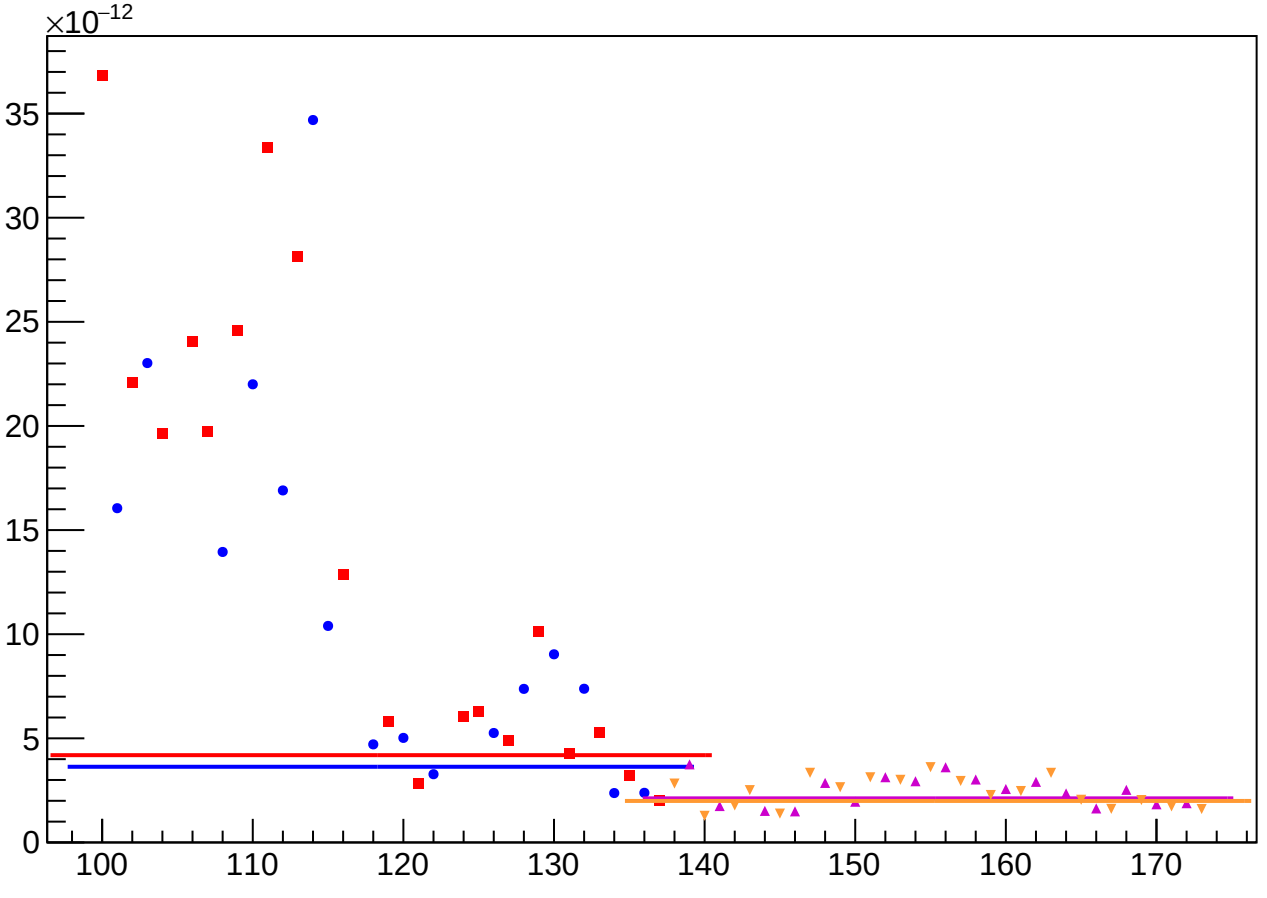
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:39.4/32

Out: -0.000+/-0.000 χ^2/NDF:29.6/37

All: 0.000+/-0.000 χ^2/NDF: 70.0/70

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:2033565.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1614966.4/16

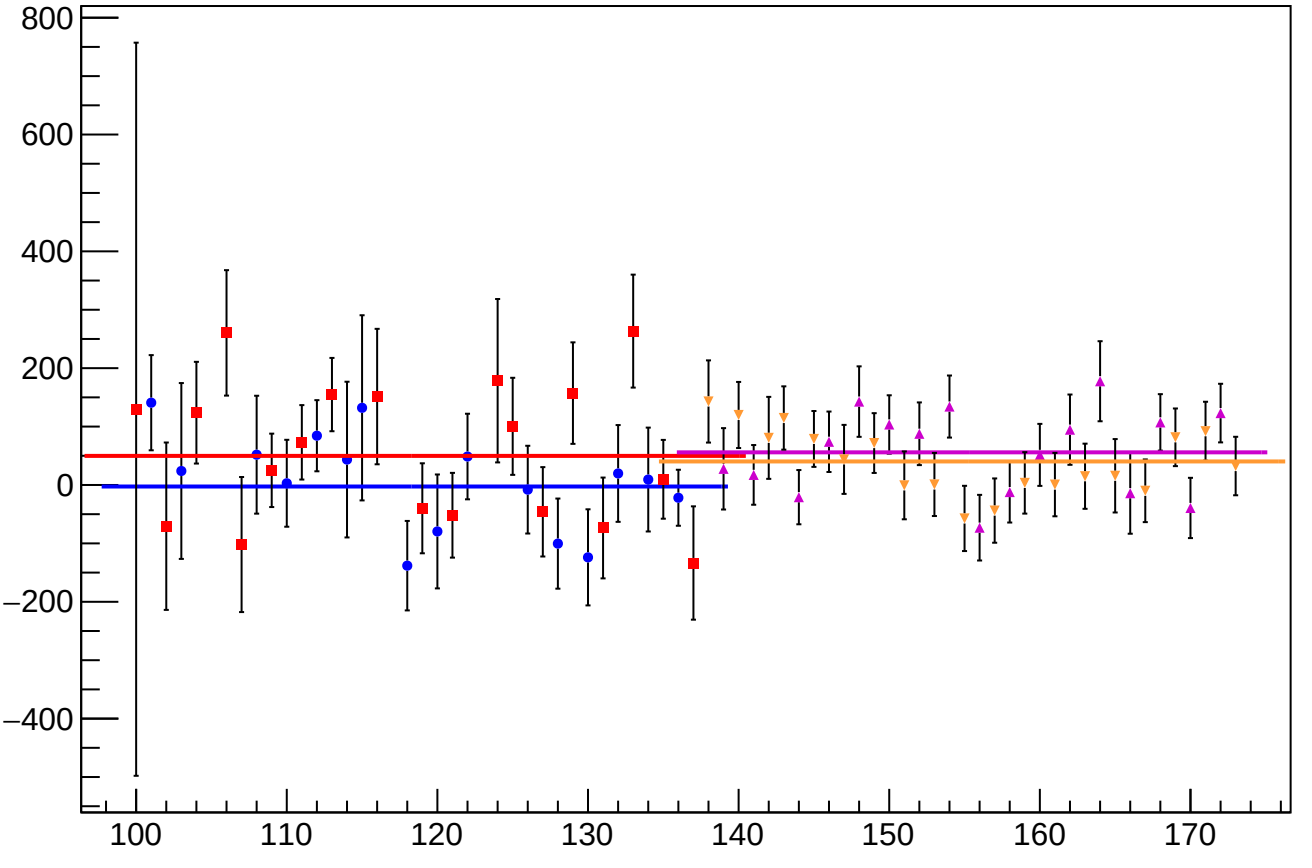
Left: 0.000+/-0.000 χ^2/NDF: 3681963.1/35

Right: 0.000+/-0.000 χ^2/NDF: 8108622.5/34

In: 0.000+/-0.000 χ^2/NDF:6181226.6/32

Out: 0.000+/-0.000 χ^2/NDF:8105288.6/37

All: 0.000+/-0.000 χ^2/NDF: 14325411.6/70



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 40.295+/-12.620 χ^2/NDF:17.8/18

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 55.885+/-13.200 χ^2/NDF:27.0/16

Left: 47.740+/-9.122 χ^2/NDF: 45.5/35

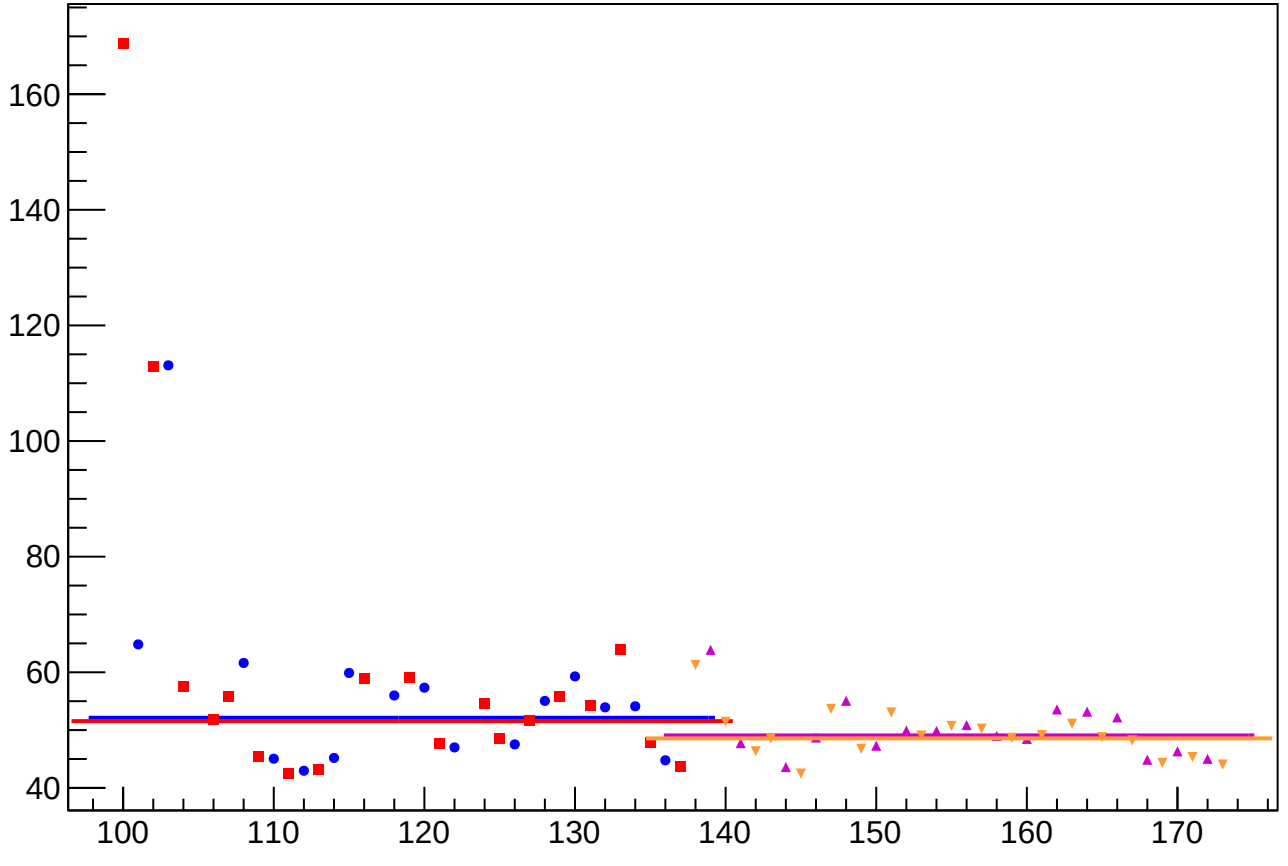
Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 38.129+/-11.016 χ^2/NDF:47.5/32

Out: 43.079+/-10.614 χ^2/NDF:47.3/37

All: 40.696+/-7.643 χ^2/NDF: 95.0/70

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 48.567+/-0.009 χ^2/NDF:182977.8/18

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 49.082+/-0.009 χ^2/NDF:201244.6/16

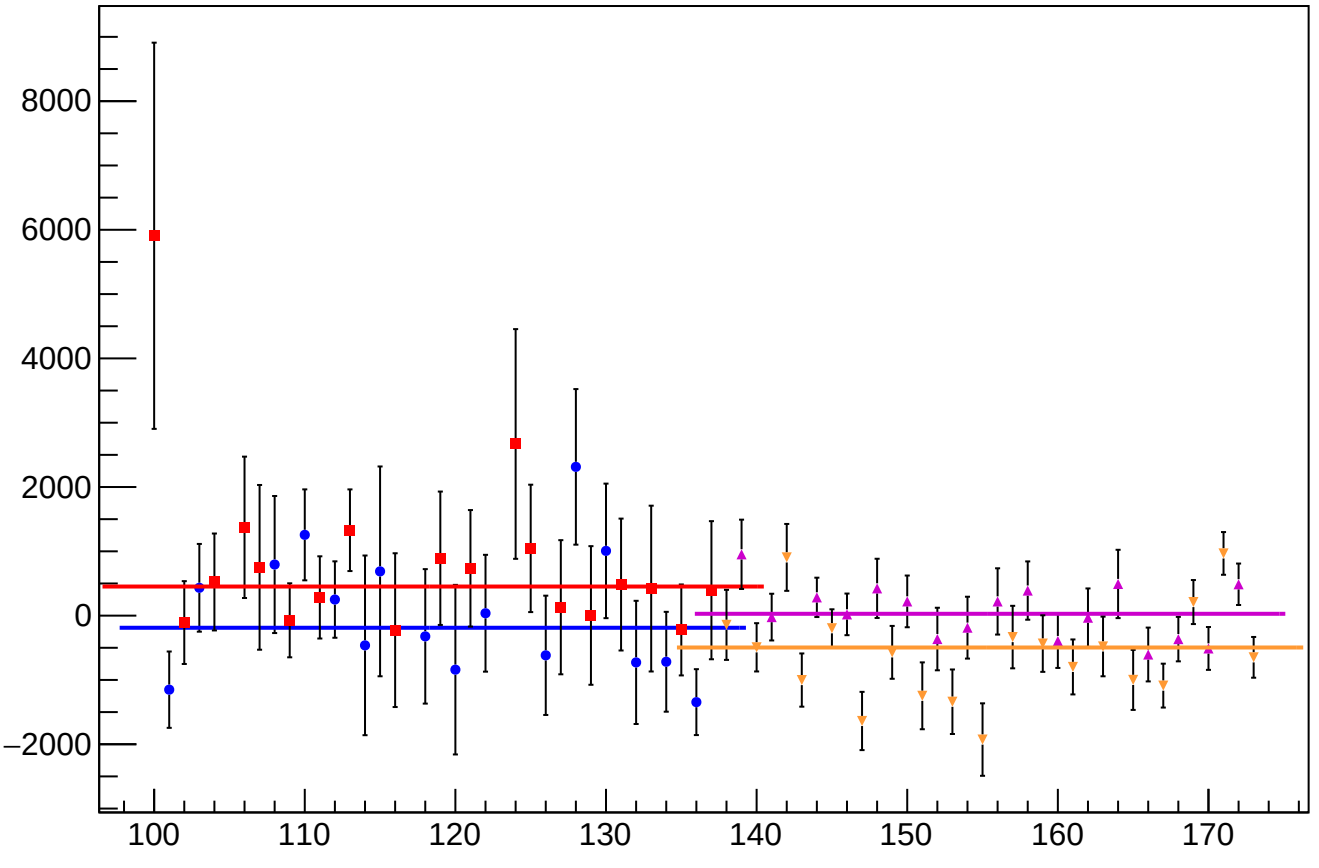
Left: 48.813+/-0.006 χ^2/NDF: 385811.1/35

Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.007+/-0.008 χ^2/NDF:796504.7/32

Out: 49.440+/-0.008 χ^2/NDF:855236.9/37

All: 49.713+/-0.005 χ^2/NDF: 1654485.6/70



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -495.482+/-93.907 χ^2/NDF:56.7/18

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 28.568+/-97.073 χ^2/NDF:16.3/16

Left: -242.144+/-67.494 χ^2/NDF: 88.0/35

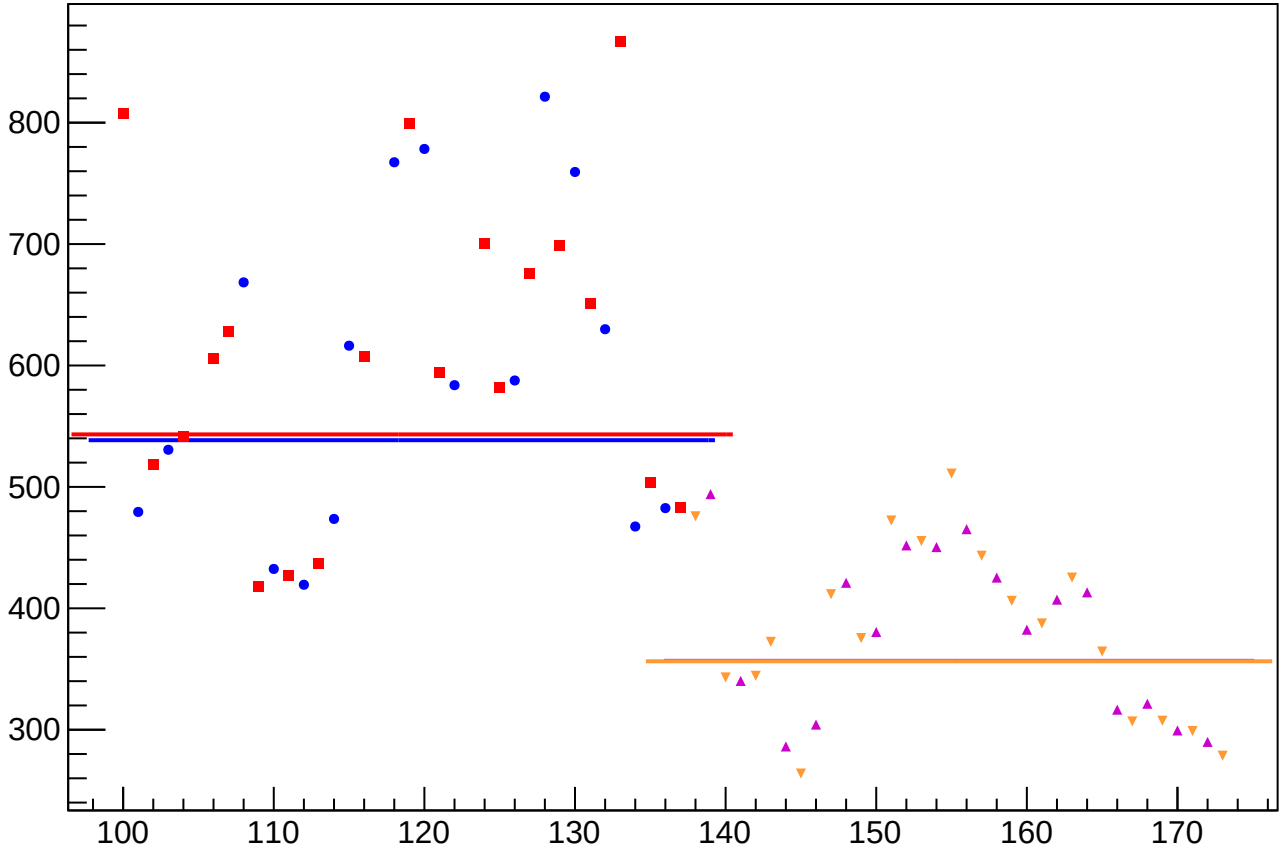
Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: -10.946+/-87.797 χ^2/NDF:38.5/32

Out: -329.610+/-85.297 χ^2/NDF:85.8/37

All: -174.881+/-61.179 χ^2/NDF: 131.2/70

asym_sam_1357_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 356.384+/-0.066 χ^2/NDF:1069907.4/18

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 356.724+/-0.069 χ^2/NDF:864456.5/16

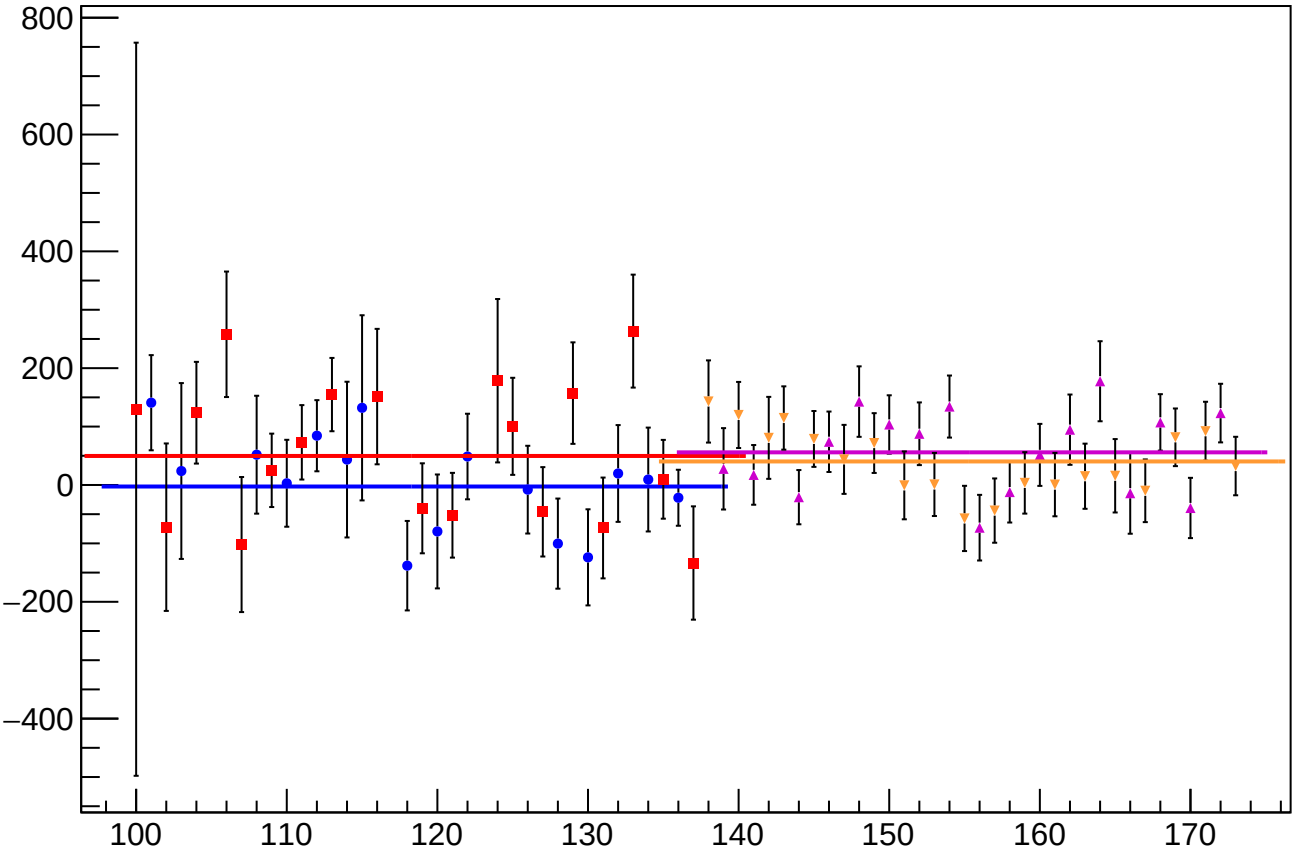
Left: 356.549+/-0.048 χ^2/NDF: 1934376.6/35

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 389.798+/-0.062 χ^2/NDF:2754223.4/32

Out: 389.078+/-0.060 χ^2/NDF:3092537.5/37

All: 389.428+/-0.043 χ^2/NDF: 5846830.1/70



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 40.296+/-12.620 χ^2/NDF:17.8/18

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 55.884+/-13.200 χ^2/NDF:27.0/16

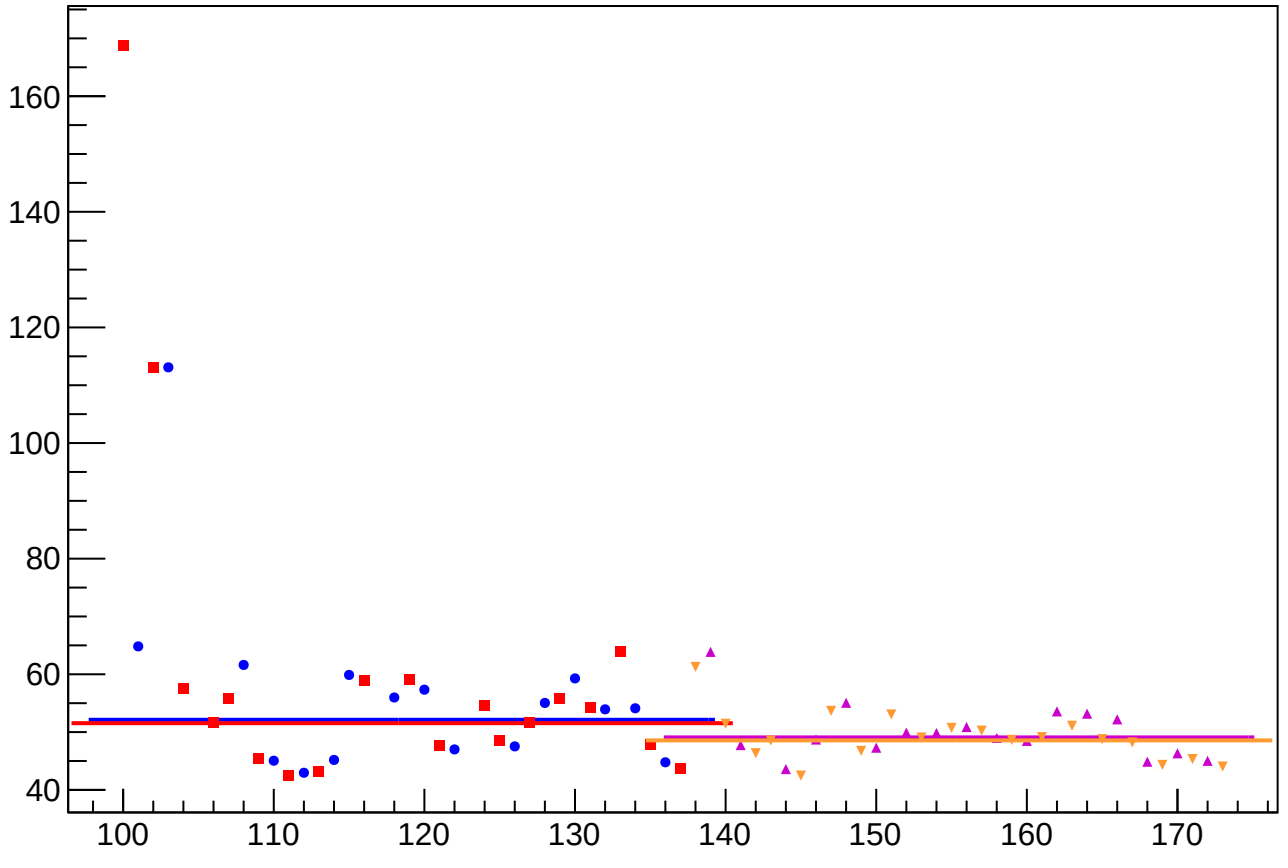
Left: 47.740+/-9.122 χ^2/NDF: 45.5/35

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 38.126+/-11.016 χ^2/NDF:47.5/32

Out: 43.046+/-10.614 χ^2/NDF:47.2/37

All: 40.677+/-7.643 χ^2/NDF: 94.9/70



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.567+/-0.009 χ^2/NDF:182977.8/18

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.082+/-0.009 χ^2/NDF:201244.6/16

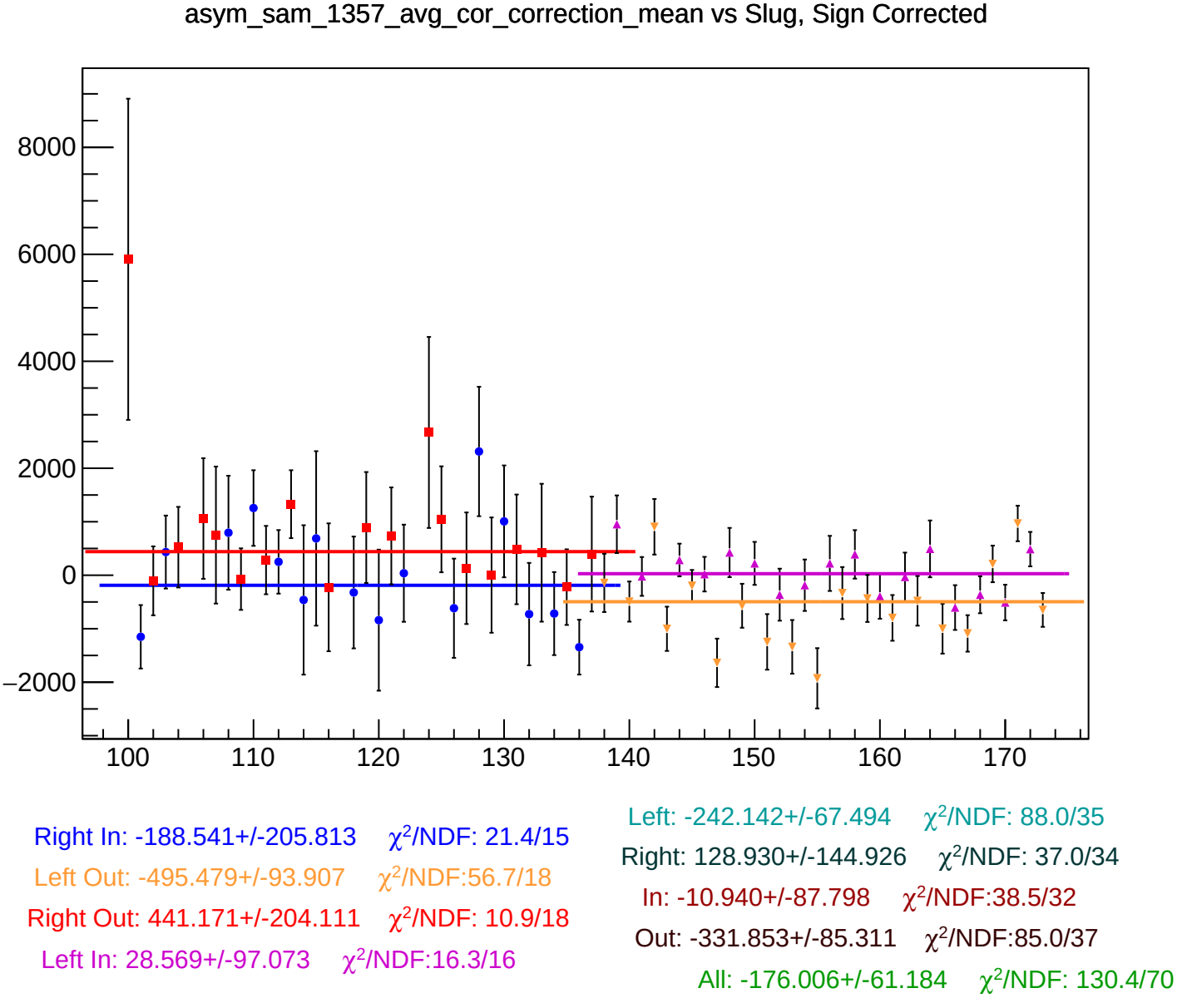
Left: 48.813+/-0.006 χ^2/NDF: 385811.1/35

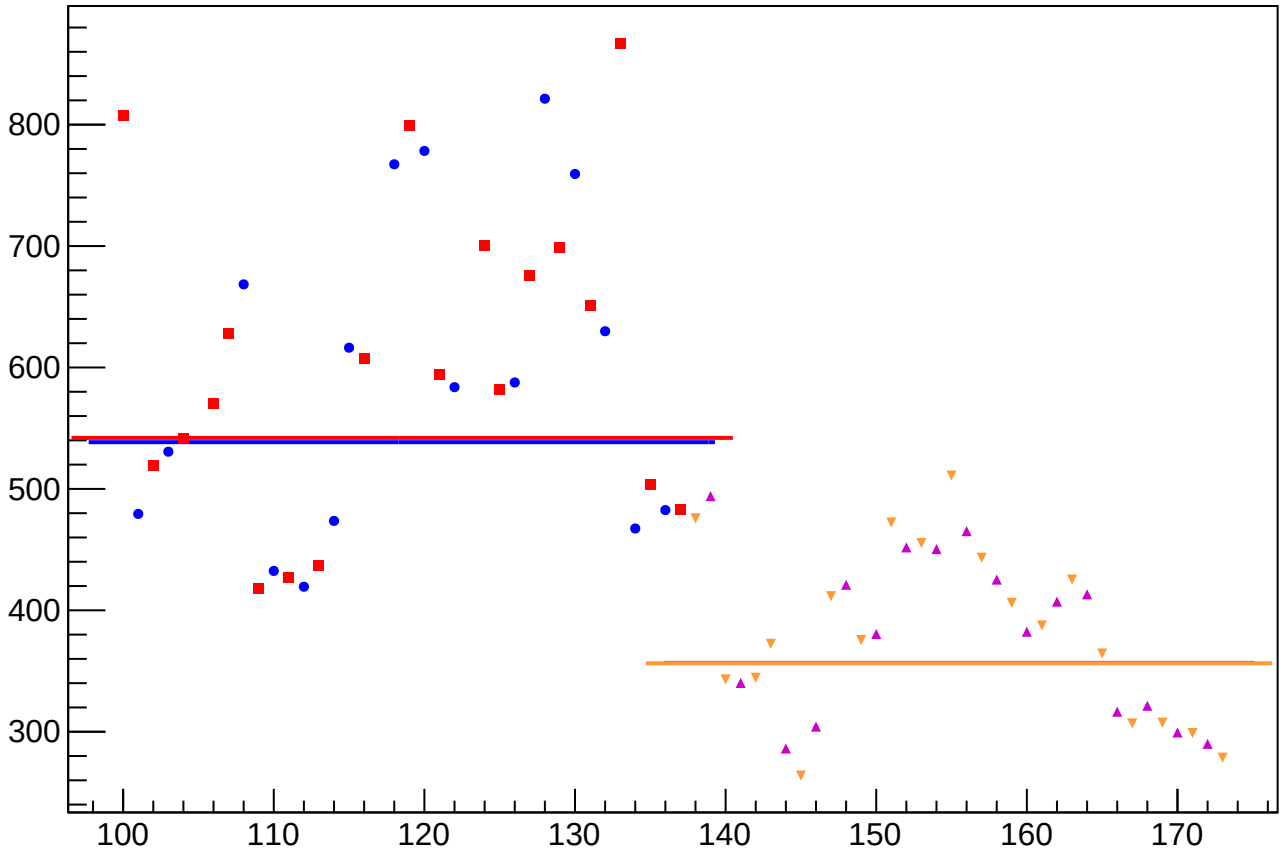
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.007+/-0.008 χ^2/NDF:796507.0/32

Out: 49.437+/-0.008 χ^2/NDF:855230.0/37

All: 49.711+/-0.005 χ^2/NDF: 1654510.5/70


asym_sam_1357_avg_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: -188.541+/-205.813 χ²/NDF: 21.4/15
Left Out: -495.479+/-93.907 χ²/NDF:56.7/18
Right Out: 441.171+/-204.111 χ²/NDF: 10.9/18
Left In: 28.569+/-97.073 χ²/NDF:16.3/16
Left: -242.142+/-67.494 χ²/NDF: 88.0/35
Right: 128.930+/-144.926 χ²/NDF: 37.0/34
In: -10.940+/-87.798 χ²/NDF:38.5/32
Out: -331.853+/-85.311 χ²/NDF:85.0/37
All: -176.006+/-61.184 χ²/NDF: 130.4/70



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 356.384+/-0.066 χ^2/NDF:1069911.3/18

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 356.724+/-0.069 χ^2/NDF:864456.3/16

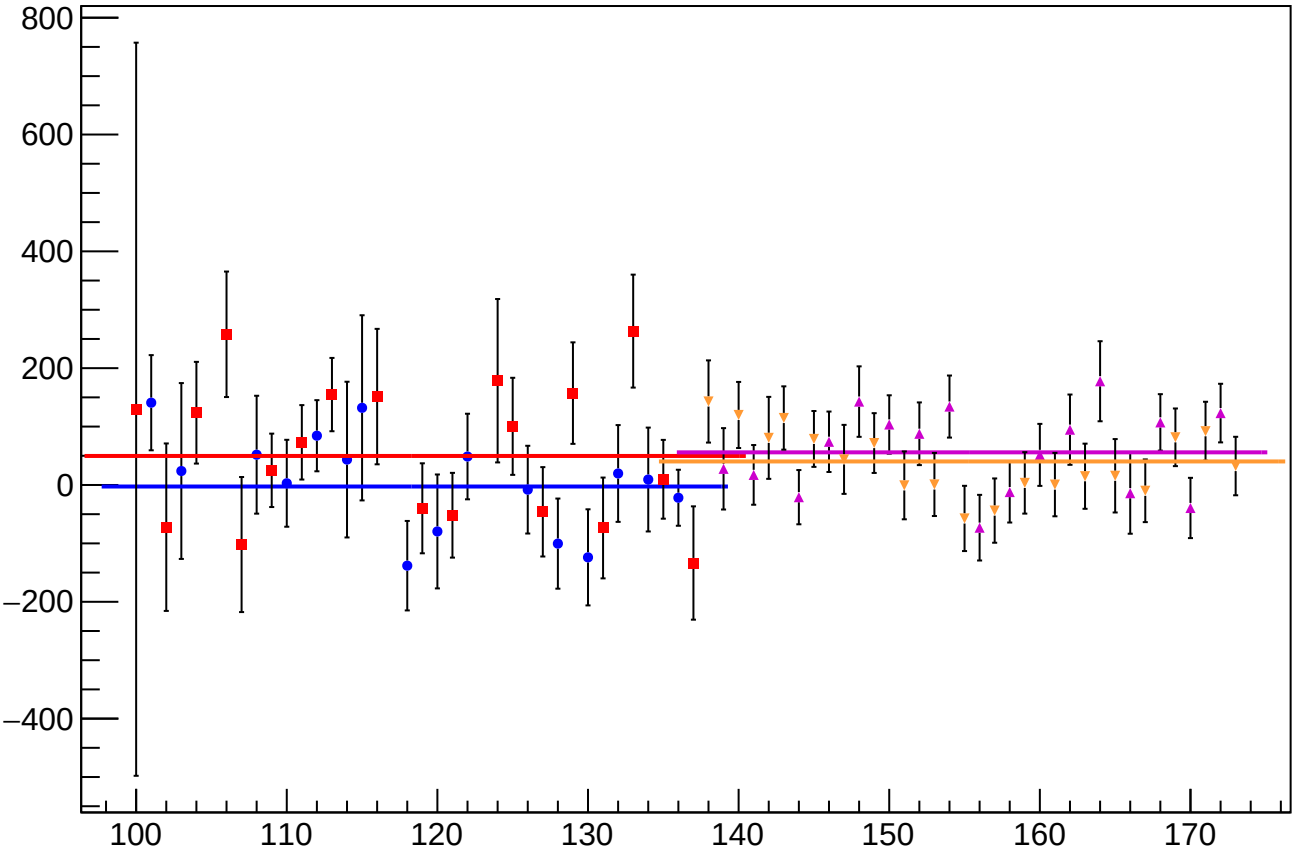
Left: 356.549+/-0.048 χ^2/NDF: 1934380.2/35

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 389.799+/-0.062 χ^2/NDF:2754274.4/32

Out: 388.815+/-0.060 χ^2/NDF:3066874.8/37

All: 389.292+/-0.043 χ^2/NDF: 5821278.4/70



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 40.296+/-12.620 χ^2/NDF:17.8/18

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 55.884+/-13.200 χ^2/NDF:27.0/16

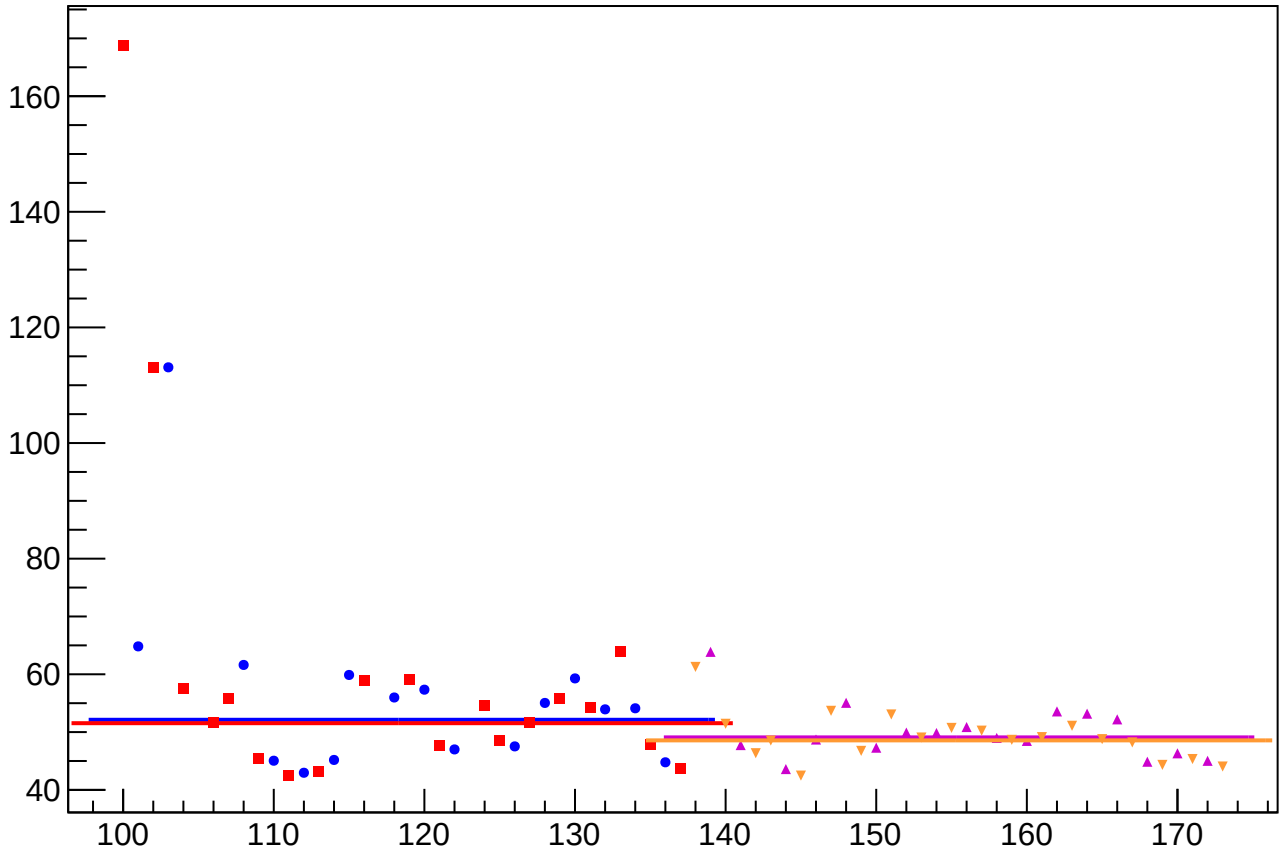
Left: 47.740+/-9.122 χ^2/NDF: 45.5/35

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 38.126+/-11.016 χ^2/NDF:47.5/32

Out: 43.046+/-10.614 χ^2/NDF:47.2/37

All: 40.677+/-7.643 χ^2/NDF: 94.9/70



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.567+/-0.009 χ^2/NDF:182977.8/18

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.082+/-0.009 χ^2/NDF:201244.6/16

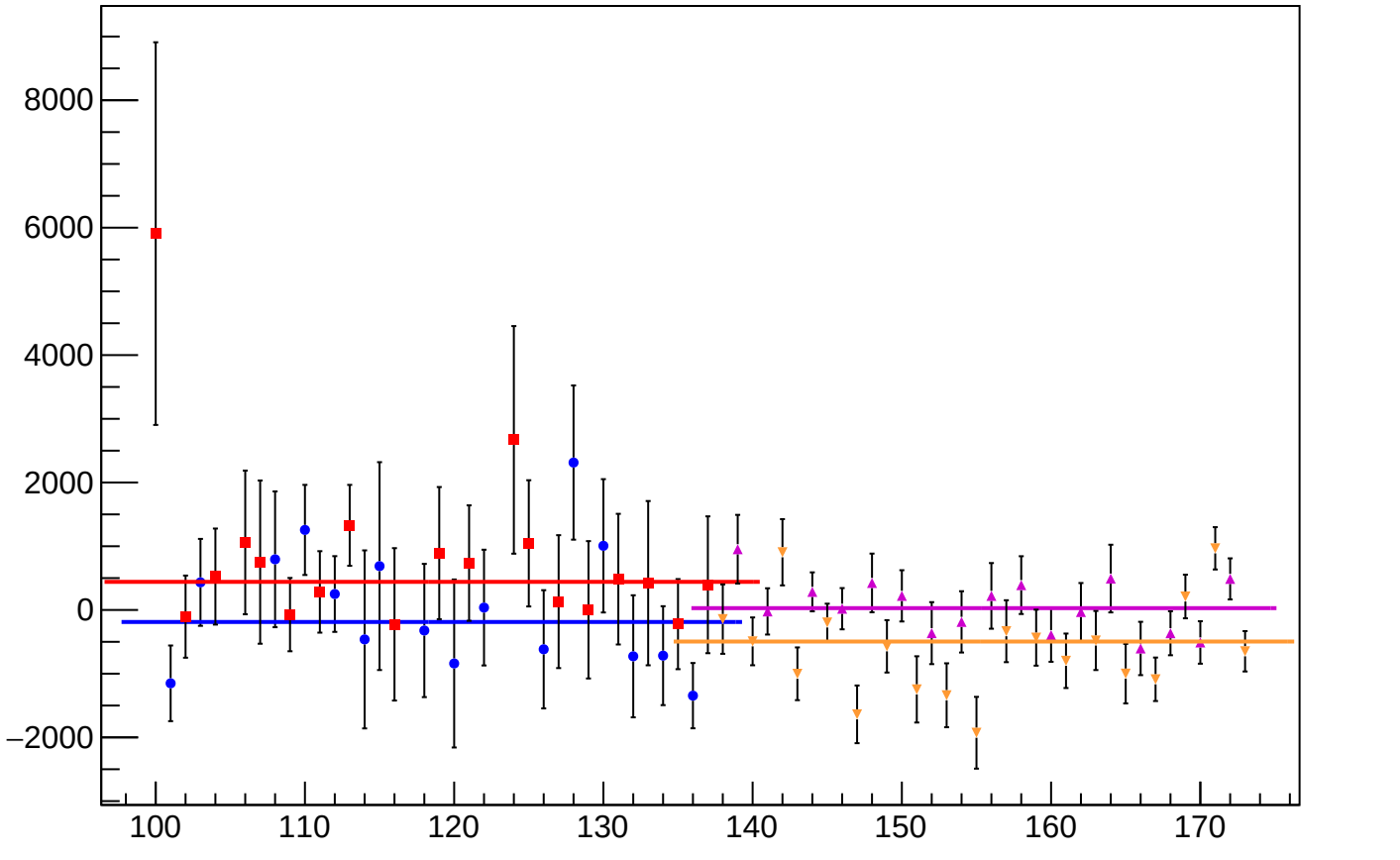
Left: 48.813+/-0.006 χ^2/NDF: 385811.1/35

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.007+/-0.008 χ^2/NDF:796507.0/32

Out: 49.437+/-0.008 χ^2/NDF:855230.0/37

All: 49.711+/-0.005 χ^2/NDF: 1654510.5/70


asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
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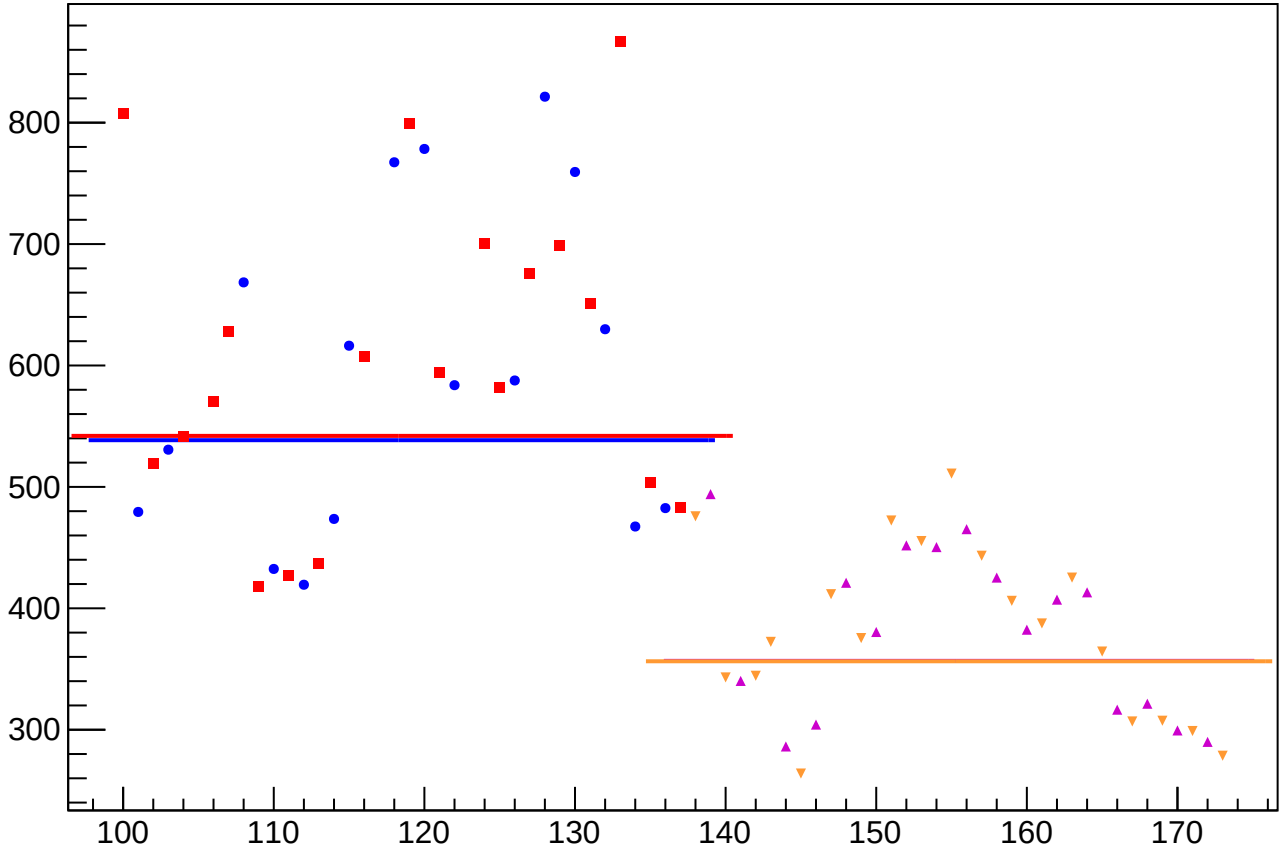
100
110
120
130
140
150
160
170
Right In: -188.541+/-205.813 χ²/NDF: 21.4/15
Left Out: -495.479+/-93.907 χ²/NDF:56.7/18
Right Out: 441.171+/-204.111 χ²/NDF: 10.9/18
Left In: 28.569+/-97.073 χ²/NDF:16.3/16
Left: -242.142+/-67.494 χ²/NDF: 88.0/35
Right: 128.930+/-144.926 χ²/NDF: 37.0/34
In: -10.940+/-87.798 χ²/NDF:38.5/32
Out: -331.853+/-85.311 χ²/NDF:85.0/37
All: -176.006+/-61.184 χ²/NDF: 130.4/70

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: 356.384+/-0.066 χ^2/NDF:1069911.3/18

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 356.724+/-0.069 χ^2/NDF:864456.3/16

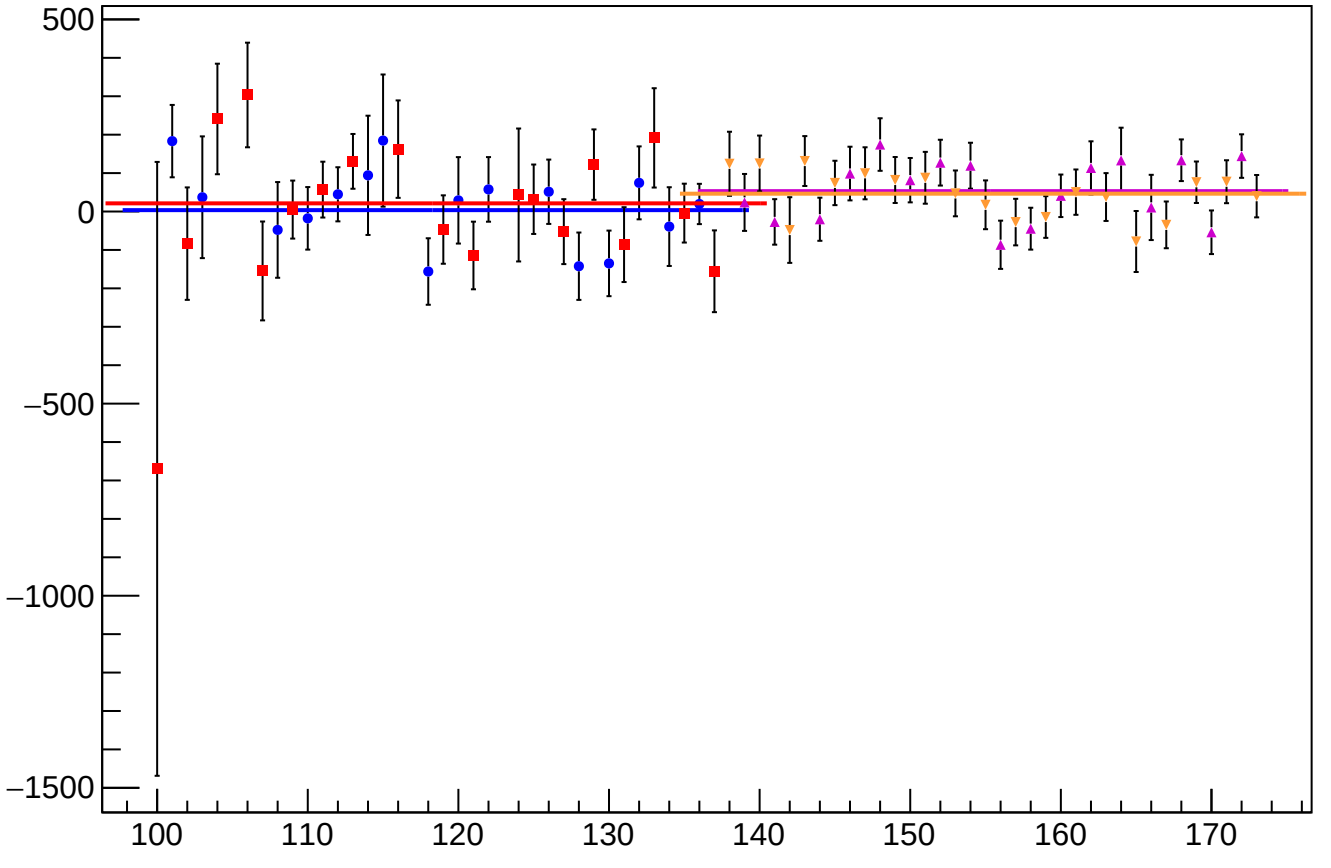
Left: 356.549+/-0.048 χ^2/NDF: 1934380.2/35

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 389.799+/-0.062 χ^2/NDF:2754274.4/32

Out: 388.815+/-0.060 χ^2/NDF:3066874.8/37

All: 389.292+/-0.043 χ^2/NDF: 5821278.4/70



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 46.389+/-14.384 χ^2/NDF:14.4/18

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 53.021+/-15.024 χ^2/NDF:28.7/16

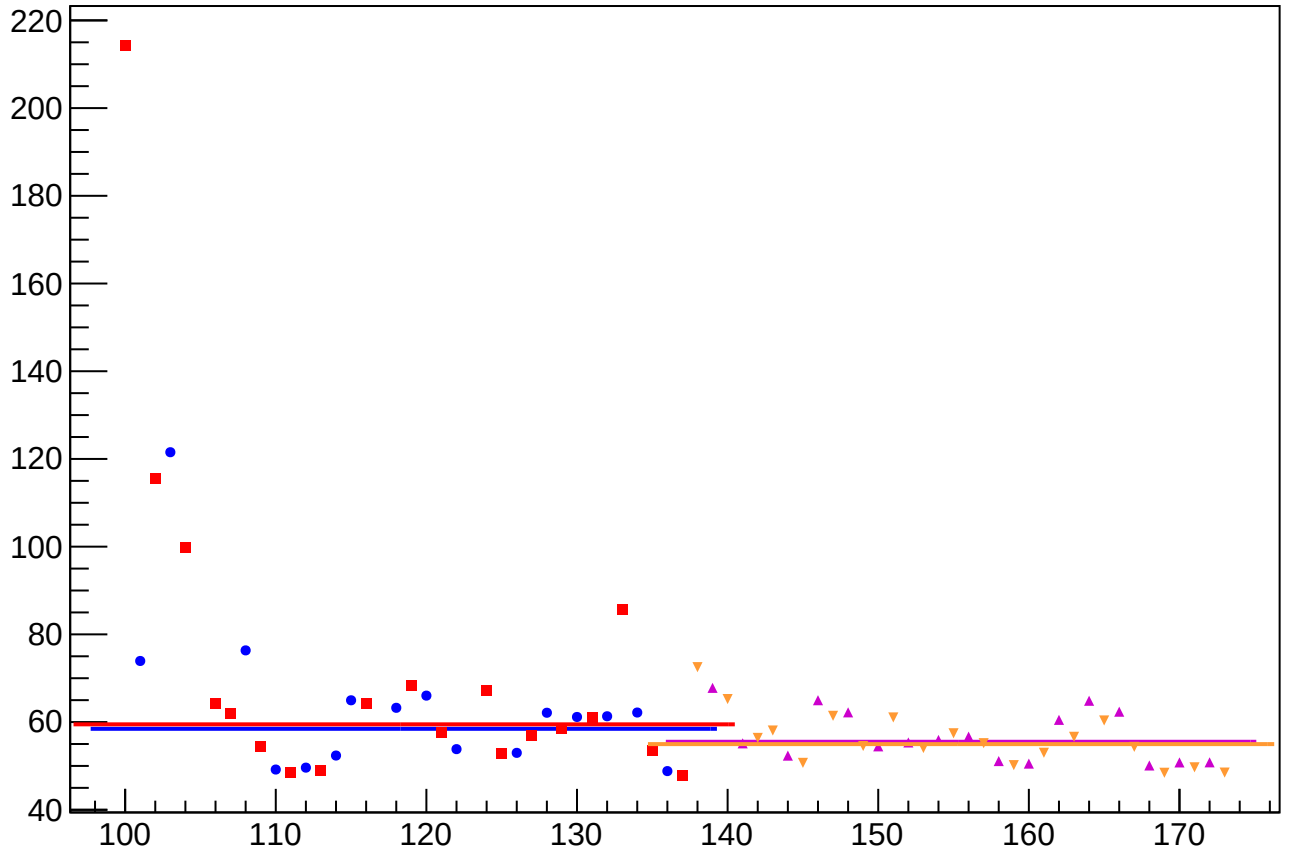
Left: 49.561+/-10.390 χ^2/NDF: 43.2/35

Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 37.761+/-12.491 χ^2/NDF:48.2/32

Out: 39.218+/-12.161 χ^2/NDF:39.7/37

All: 38.509+/-8.713 χ^2/NDF: 87.9/70



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 54.976+/-0.010 χ^2/NDF:286367.8/18

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 55.507+/-0.011 χ^2/NDF:243205.9/16

Left: 55.230+/-0.007 χ^2/NDF: 530879.3/35

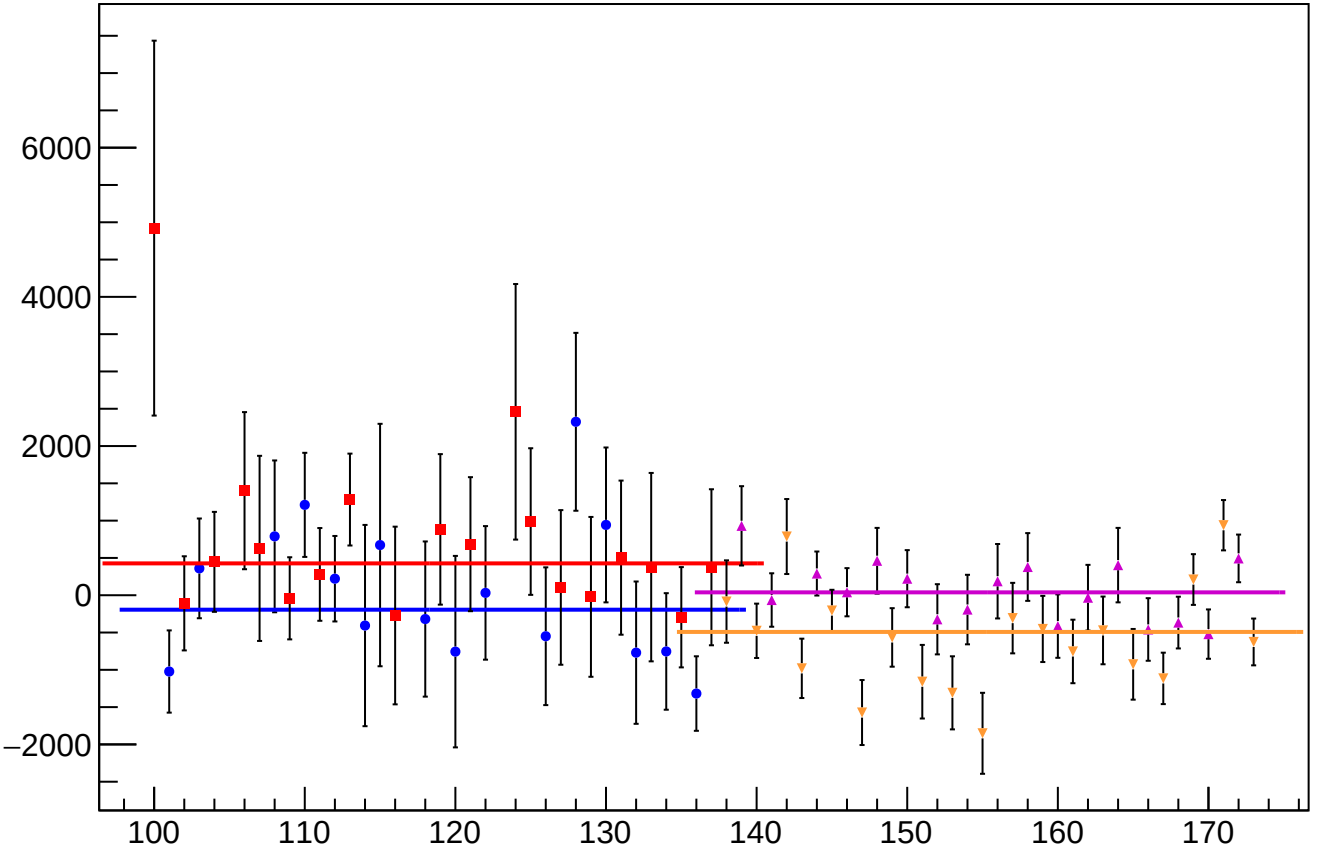
Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 56.421+/-0.009 χ^2/NDF:850127.4/32

Out: 56.262+/-0.009 χ^2/NDF:1127287.5/37

All: 56.339+/-0.006 χ^2/NDF: 1977580.8/70

asym_sam_1357_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -193.899+/-200.604 χ^2/NDF: 20.8/15

Left Out: -491.946+/-92.113 χ^2/NDF:53.7/18

Right Out: 426.977+/-197.005 χ^2/NDF: 11.3/18

Left In: 38.567+/-95.352 χ^2/NDF:15.6/16

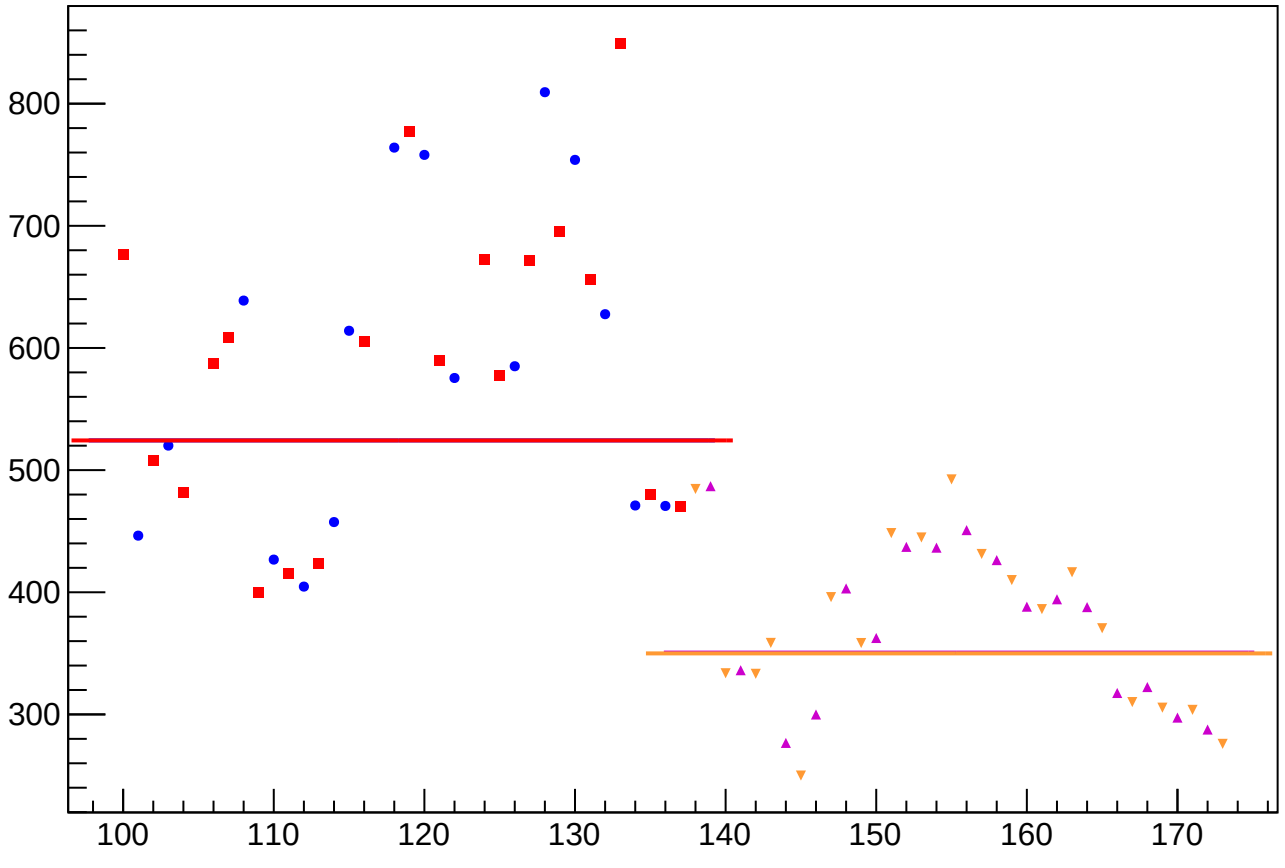
Left: -235.852+/-66.249 χ^2/NDF: 85.4/35

Right: 122.158+/-140.559 χ^2/NDF: 37.0/34

In: -4.276+/-86.119 χ^2/NDF:37.5/32

Out: -327.091+/-83.443 χ^2/NDF:82.9/37

All: -170.776+/-59.927 χ^2/NDF: 127.7/70



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 349.956+/-0.065 χ^2/NDF:1067386.2/18

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 350.621+/-0.067 χ^2/NDF:813219.6/16

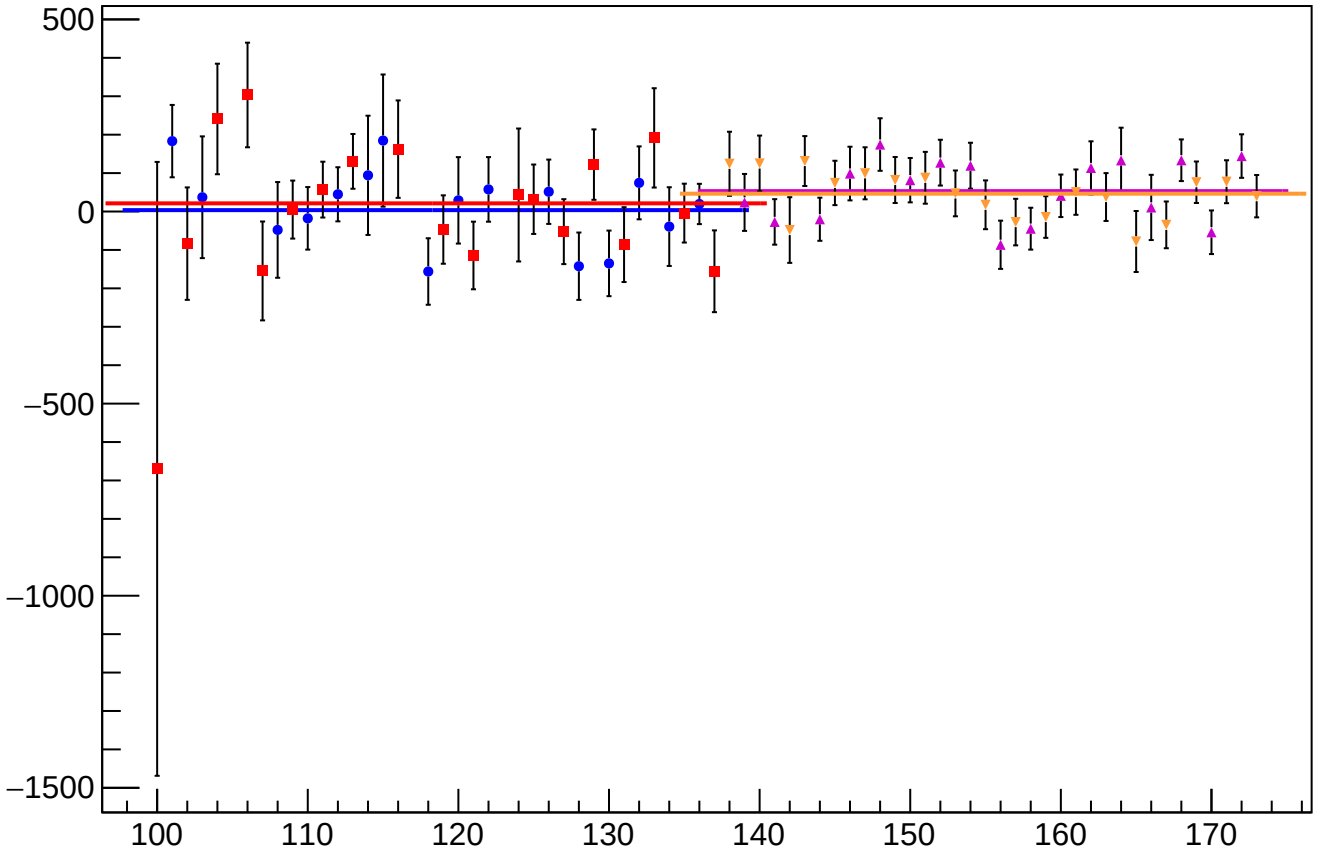
Left: 350.277+/-0.047 χ^2/NDF: 1880656.1/35

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 382.634+/-0.061 χ^2/NDF:2694948.6/32

Out: 381.234+/-0.059 χ^2/NDF:3038893.2/37

All: 381.912+/-0.042 χ^2/NDF: 5734114.4/70



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 46.389+/-14.384 χ^2/NDF:14.4/18

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 53.021+/-15.024 χ^2/NDF:28.7/16

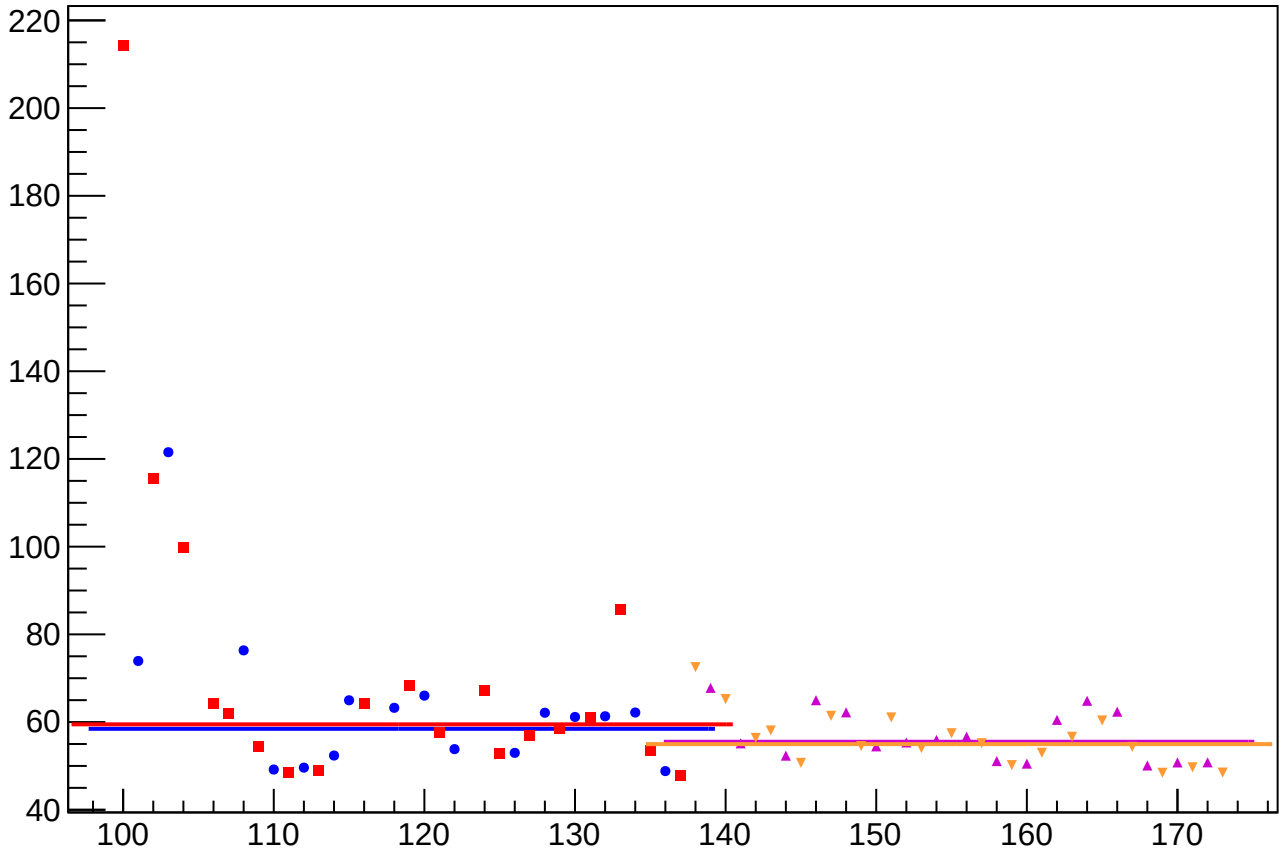
Left: 49.561+/-10.390 χ^2/NDF: 43.2/35

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 37.760+/-12.491 χ^2/NDF:48.2/32

Out: 39.218+/-12.161 χ^2/NDF:39.7/37

All: 38.509+/-8.714 χ^2/NDF: 87.9/70



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 54.976+/-0.010 χ^2/NDF:286374.4/18

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 55.508+/-0.011 χ^2/NDF:243208.0/16

Left: 55.230+/-0.007 χ^2/NDF: 530888.1/35

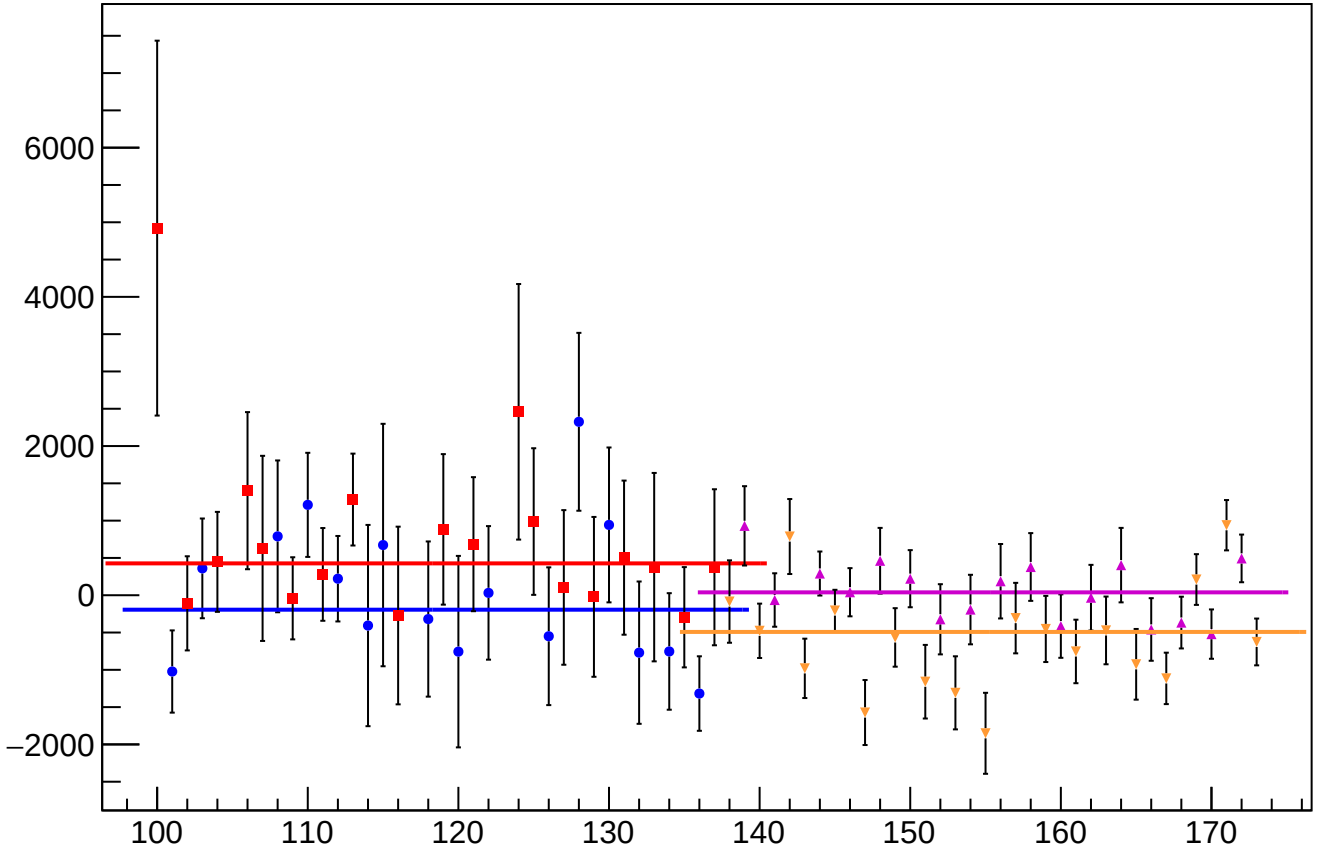
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 56.421+/-0.009 χ^2/NDF:850125.2/32

Out: 56.262+/-0.009 χ^2/NDF:1127293.8/37

All: 56.339+/-0.006 χ^2/NDF: 1977584.9/70

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: -491.946+/-92.113 χ^2/NDF:53.7/18

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 38.566+/-95.352 χ^2/NDF:15.6/16

Left: -235.853+/-66.249 χ^2/NDF: 85.4/35

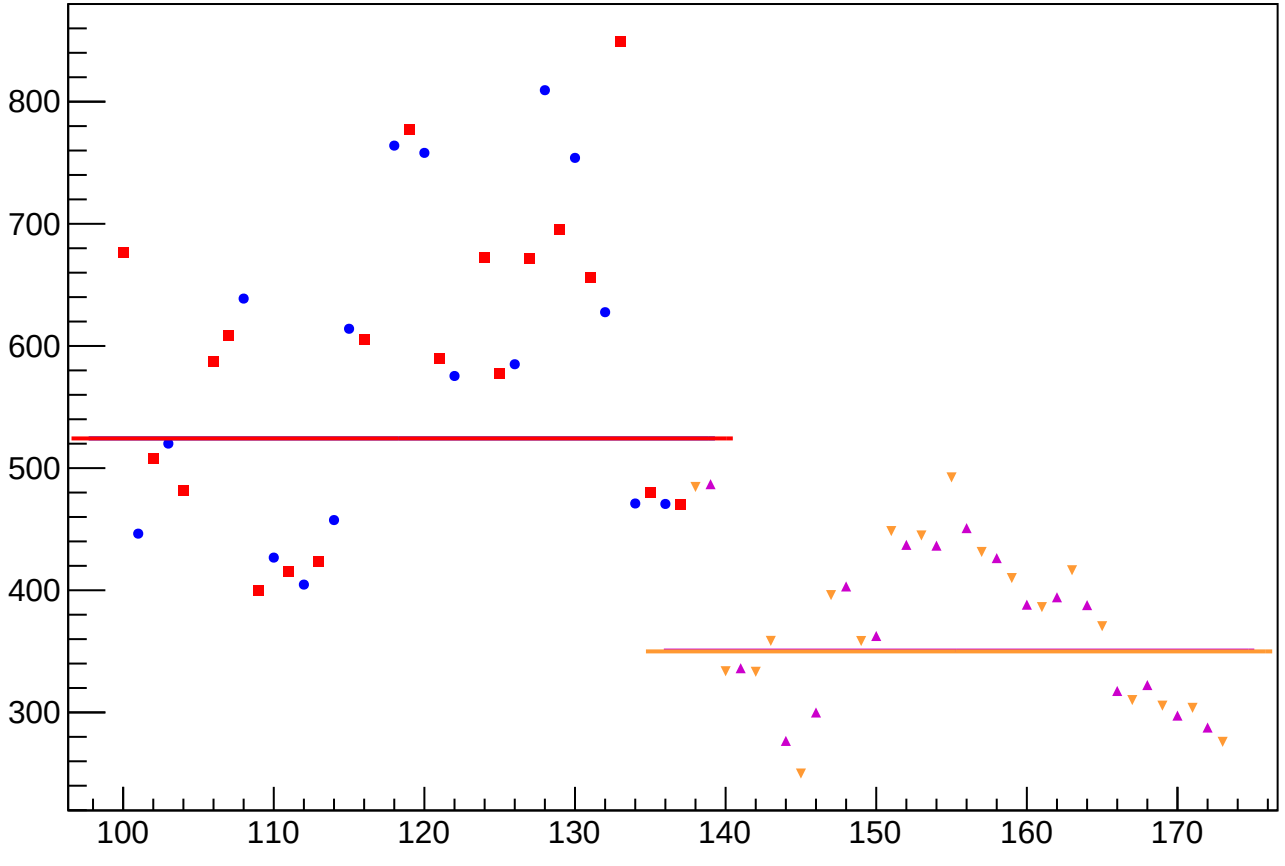
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: -4.276+/-86.119 χ^2/NDF:37.5/32

Out: -327.091+/-83.443 χ^2/NDF:82.9/37

All: -170.777+/-59.927 χ^2/NDF: 127.7/70

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: 349.956+/-0.065 χ^2/NDF:1067380.4/18

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 350.621+/-0.067 χ^2/NDF:813214.1/16

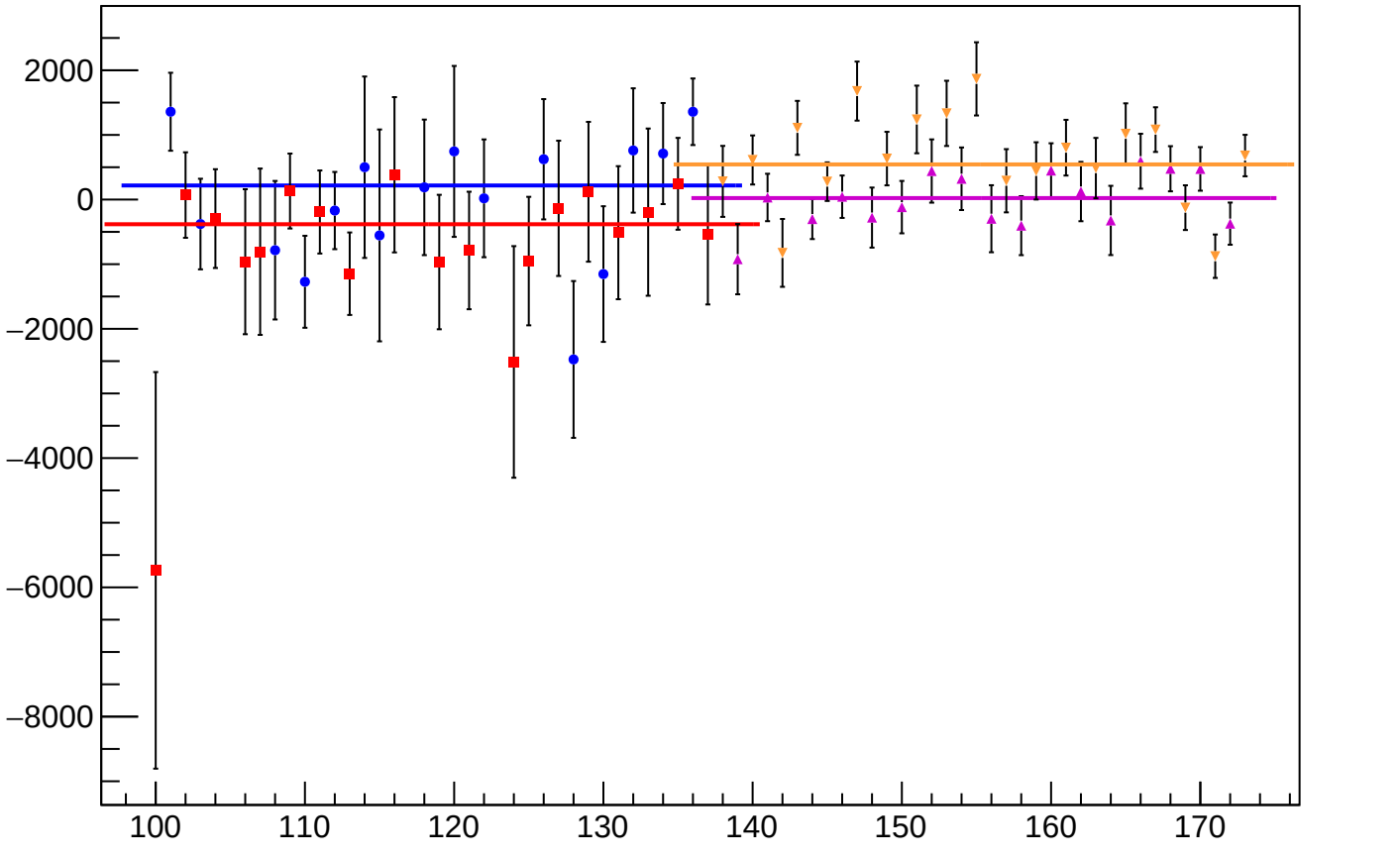
Left: 350.277+/-0.047 χ^2/NDF: 1880644.8/35

Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 382.634+/-0.061 χ^2/NDF:2694940.5/32

Out: 381.234+/-0.059 χ^2/NDF:3038881.8/37

All: 381.912+/-0.042 χ^2/NDF: 5734094.8/70



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 543.636+/-94.829 χ^2/NDF:51.5/18

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: 22.857+/-98.050 χ^2/NDF:15.3/16

Left: 291.939+/-68.165 χ^2/NDF: 81.4/35

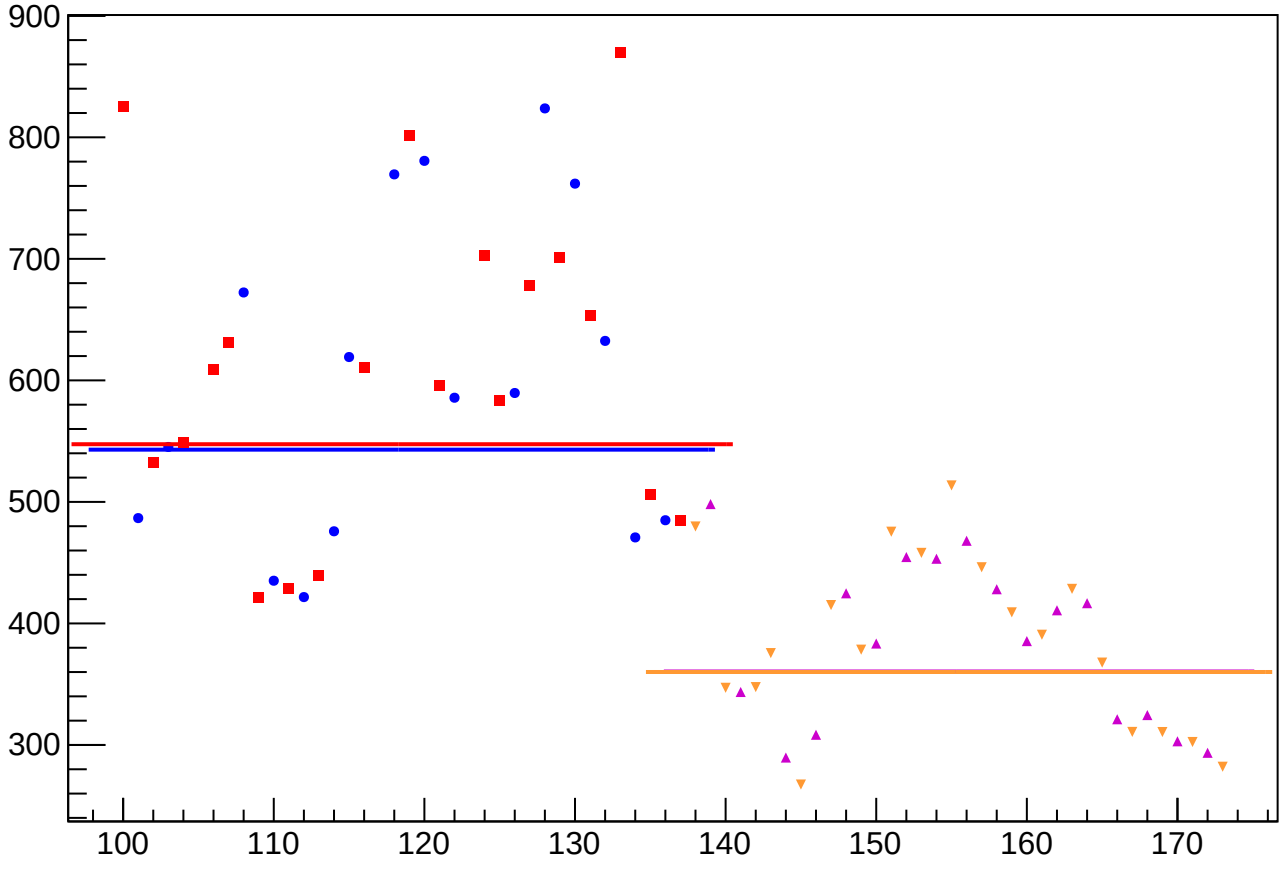
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: 58.434+/-88.650 χ^2/NDF:38.9/32

Out: 381.273+/-86.110 χ^2/NDF:78.2/37

All: 224.545+/-61.768 χ^2/NDF: 123.9/70

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 360.044+/-0.067 χ^2/NDF:1044849.6/18

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 360.463+/-0.069 χ^2/NDF:843643.2/16

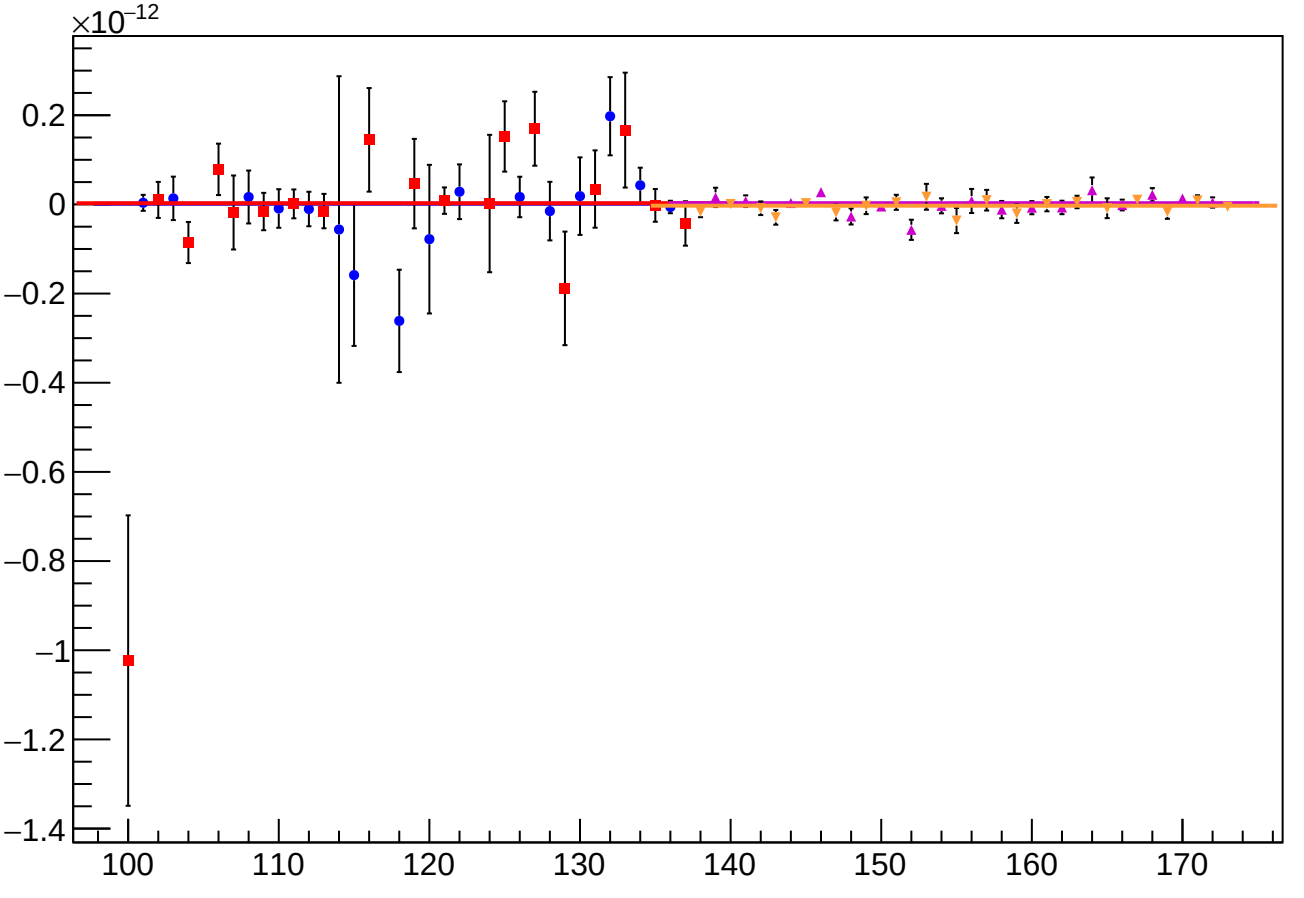
Left: 360.247+/-0.048 χ^2/NDF: 1888511.7/35

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 393.783+/-0.063 χ^2/NDF:2714159.4/32

Out: 392.925+/-0.061 χ^2/NDF:3045707.3/37

All: 393.342+/-0.044 χ^2/NDF: 5759963.1/70



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

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:21.2/16

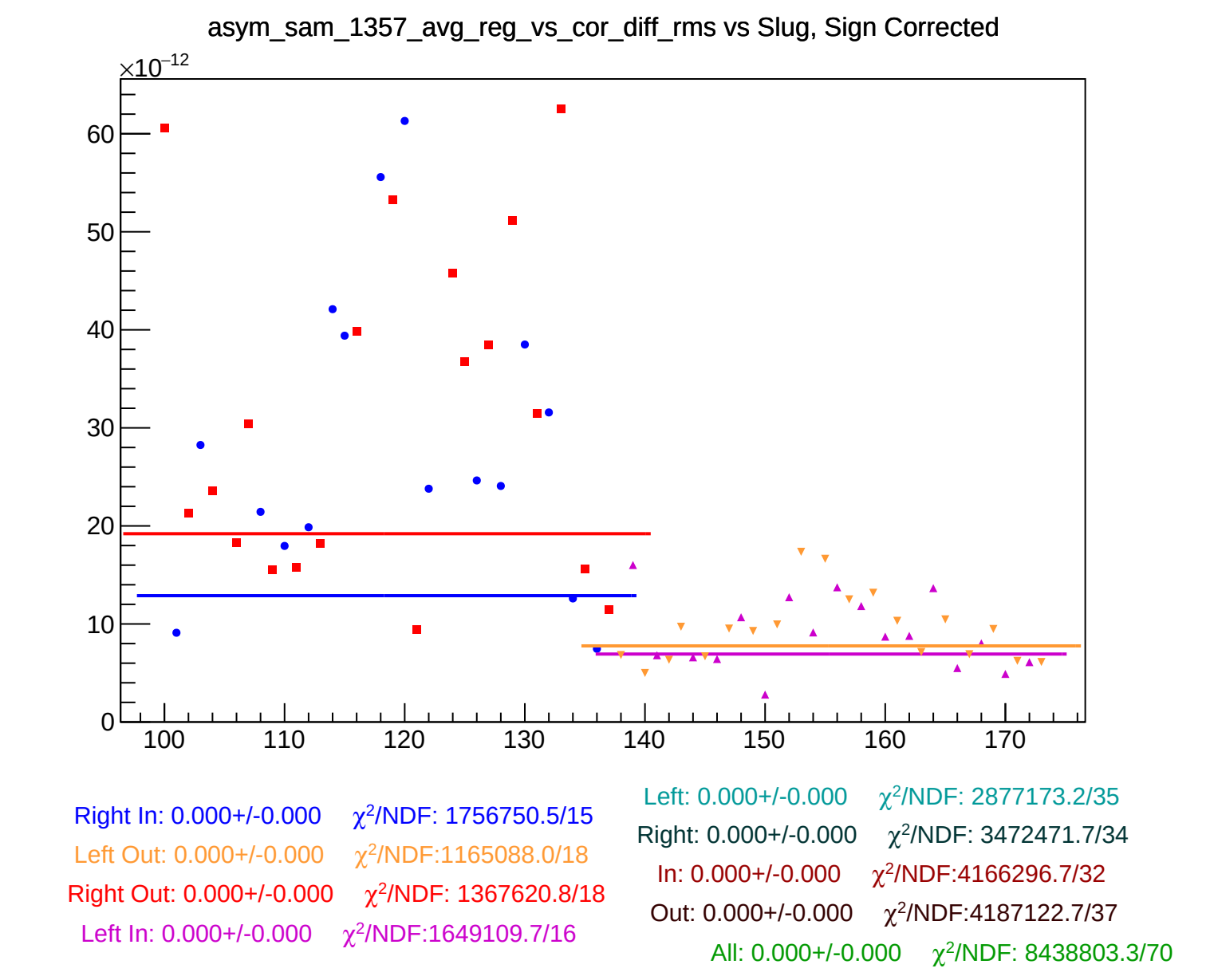
Left: -0.000+/-0.000 χ^2/NDF: 34.4/35

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

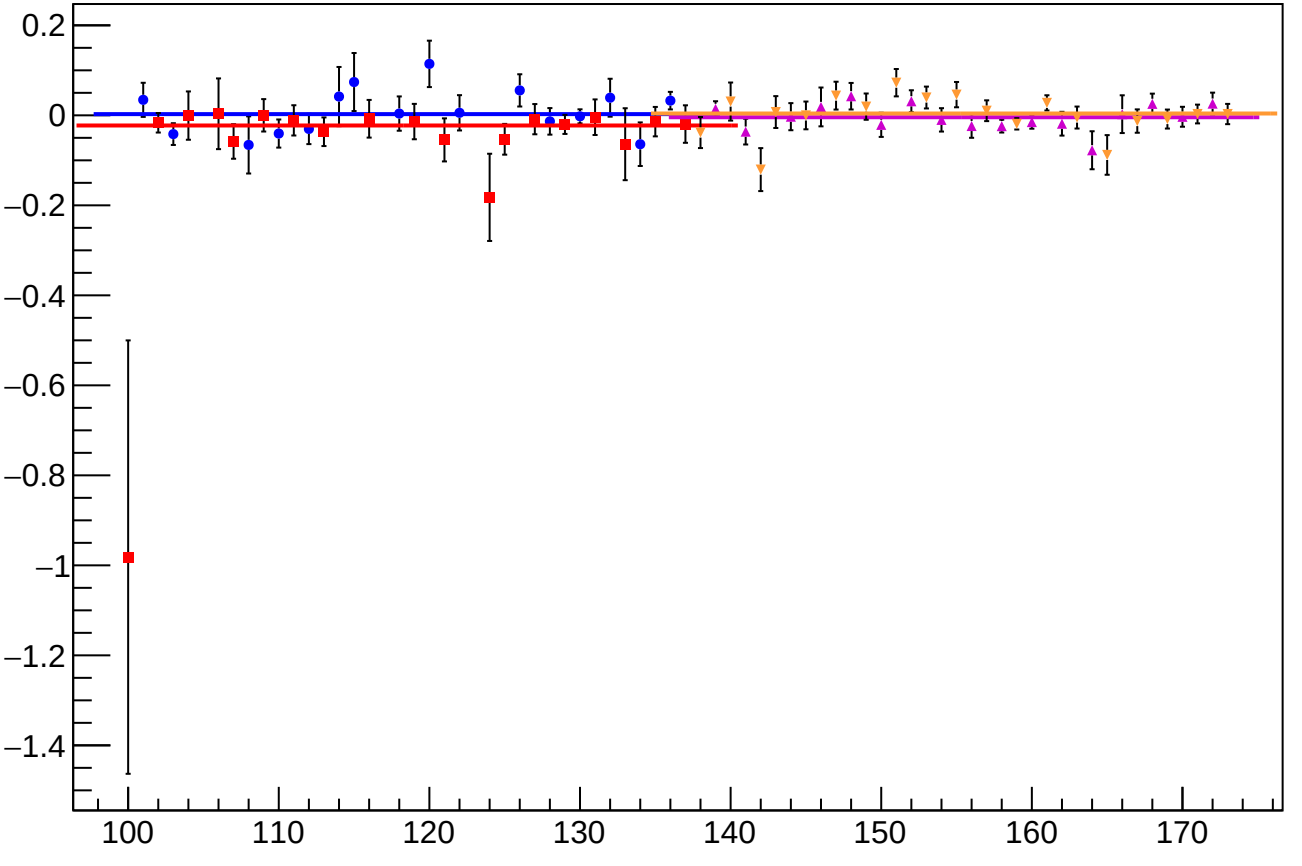
In: 0.000+/-0.000 χ^2/NDF:34.8/32

Out: -0.000+/-0.000 χ^2/NDF:42.0/37

All: 0.000+/-0.000 χ^2/NDF: 78.1/70


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
170
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1165088.0/18
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1649109.7/16
Left: 0.000+/-0.000 χ²/NDF: 2877173.2/35
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:4166296.7/32
Out: 0.000+/-0.000 χ²/NDF:4187122.7/37
All: 0.000+/-0.000 χ²/NDF: 8438803.3/70

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: 0.004+/-0.006 χ^2/NDF:30.7/18

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.006 χ^2/NDF:17.4/16

Left: -0.000+/-0.004 χ^2/NDF: 49.2/35

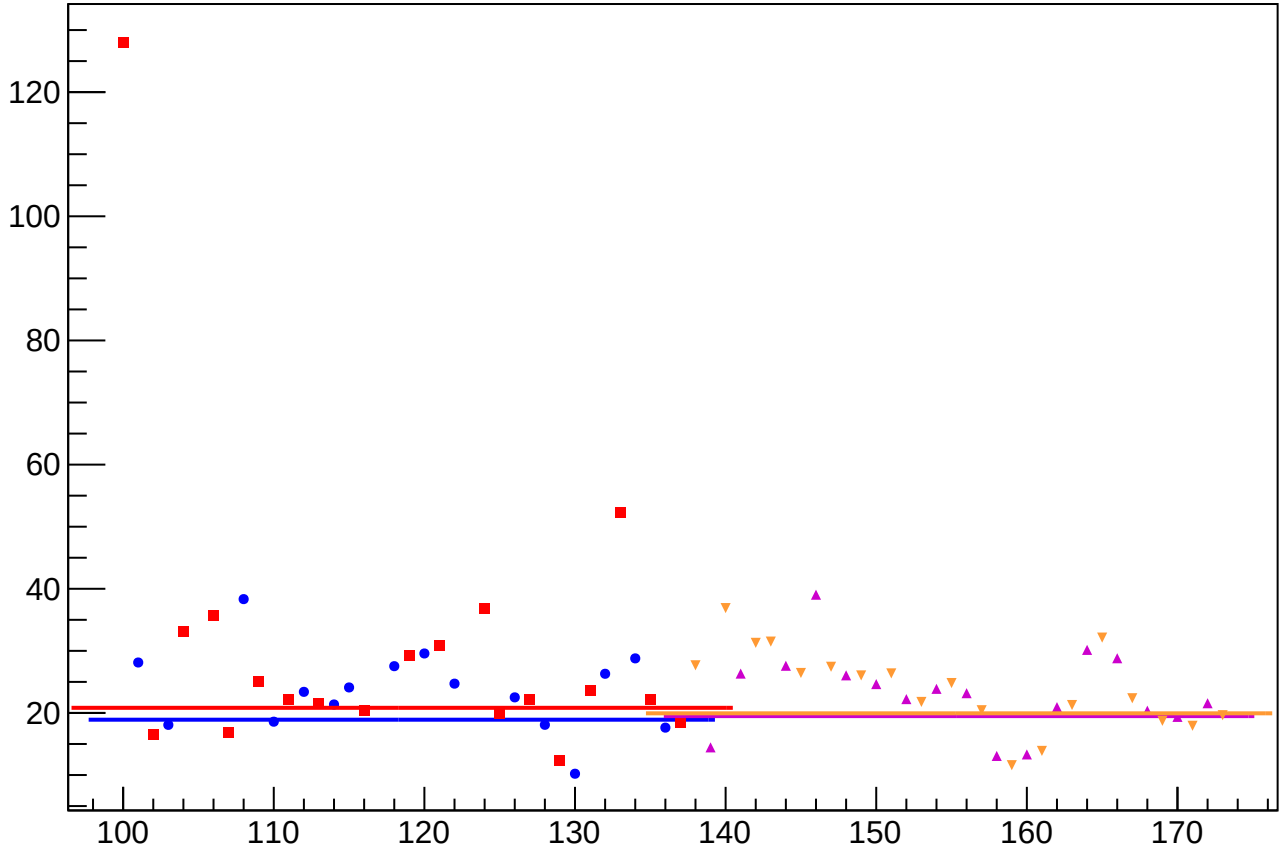
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.005 χ^2/NDF:39.9/32

Out: -0.004+/-0.005 χ^2/NDF:48.3/37

All: -0.003+/-0.003 χ^2/NDF: 88.3/70

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: 19.939+/-0.004 χ^2/NDF:2534059.0/18

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.489+/-0.004 χ^2/NDF:2146429.5/16

Left: 19.716+/-0.003 χ^2/NDF: 4686856.8/35

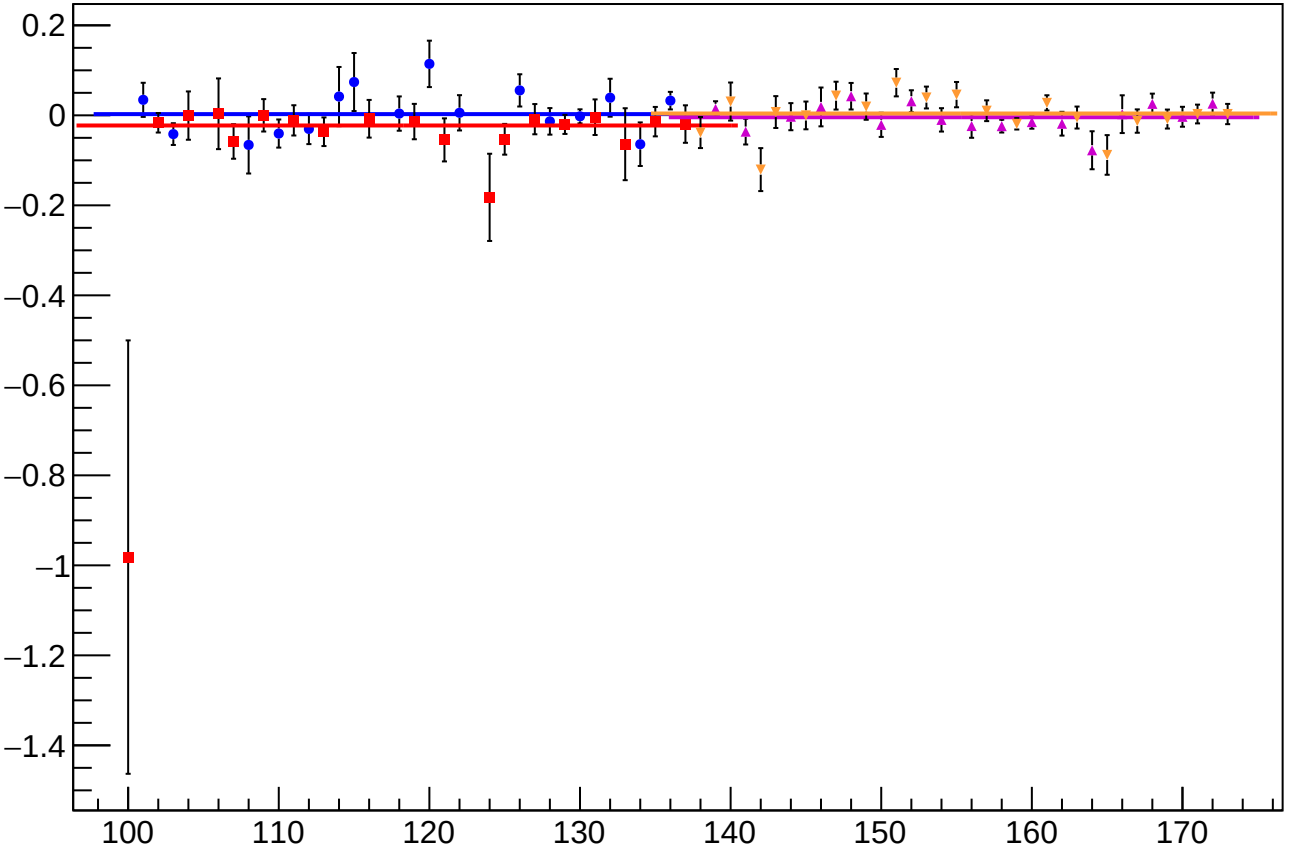
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.290+/-0.003 χ^2/NDF:3543970.3/32

Out: 20.211+/-0.003 χ^2/NDF:3840907.4/37

All: 19.741+/-0.002 χ^2/NDF: 7424438.8/70

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: 0.004+/-0.006 χ^2/NDF:30.7/18

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.006 χ^2/NDF:17.4/16

Left: -0.000+/-0.004 χ^2/NDF: 49.2/35

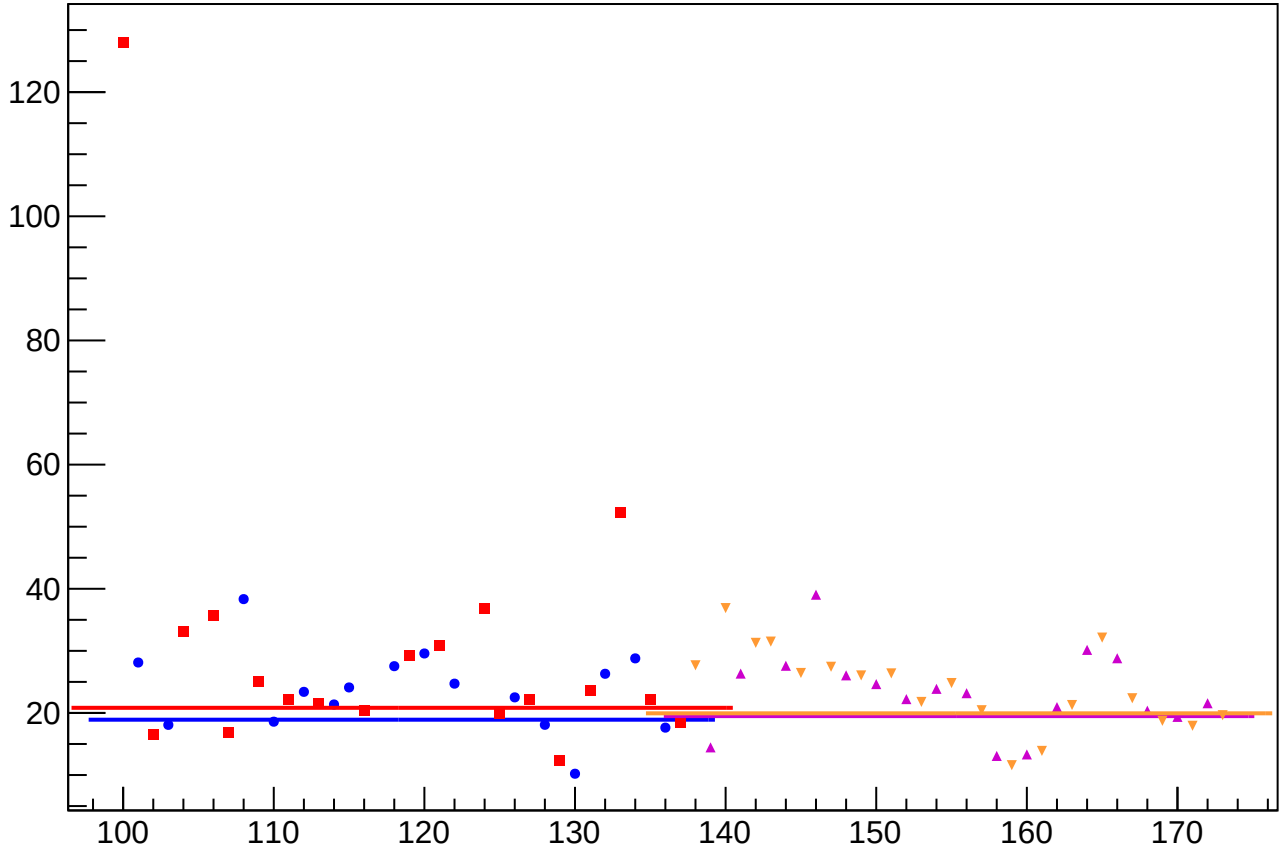
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.005 χ^2/NDF:39.9/32

Out: -0.004+/-0.005 χ^2/NDF:48.3/37

All: -0.003+/-0.003 χ^2/NDF: 88.3/70

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: 19.939+/-0.004 χ^2/NDF:2534059.0/18

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.489+/-0.004 χ^2/NDF:2146429.5/16

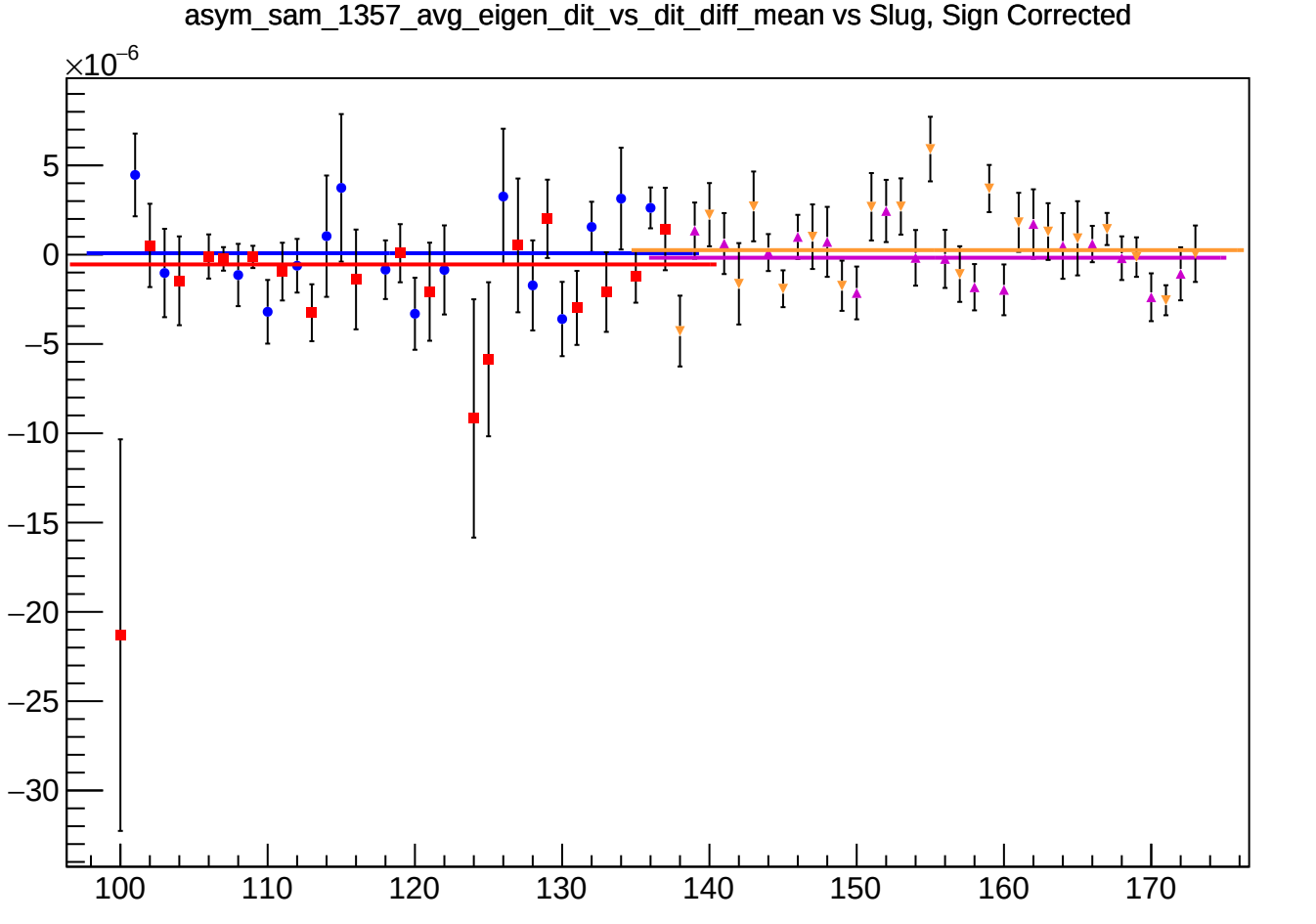
Left: 19.716+/-0.003 χ^2/NDF: 4686856.8/35

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.290+/-0.003 χ^2/NDF:3543970.3/32

Out: 20.211+/-0.003 χ^2/NDF:3840907.4/37

All: 19.741+/-0.002 χ^2/NDF: 7424438.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:51.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:14.3/16

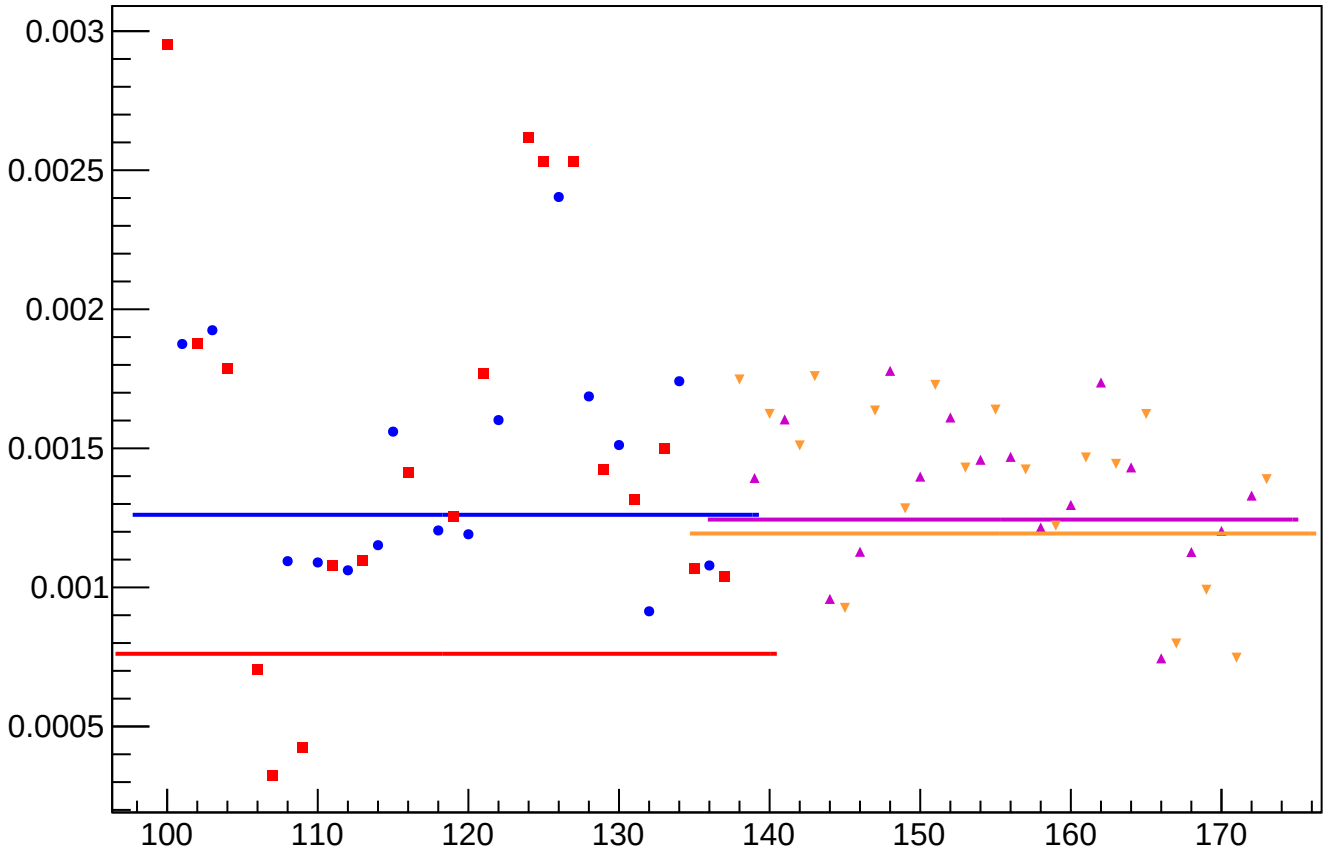
Left: 0.000+/-0.000 χ^2/NDF: 66.3/35

Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: -0.000+/-0.000 χ^2/NDF:38.1/32

Out: -0.000+/-0.000 χ^2/NDF:69.7/37

All: -0.000+/-0.000 χ^2/NDF: 107.8/70



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:2353685.7/18

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:1273088.3/16

Left: 0.001+/-0.000 χ^2/NDF: 3649402.4/35

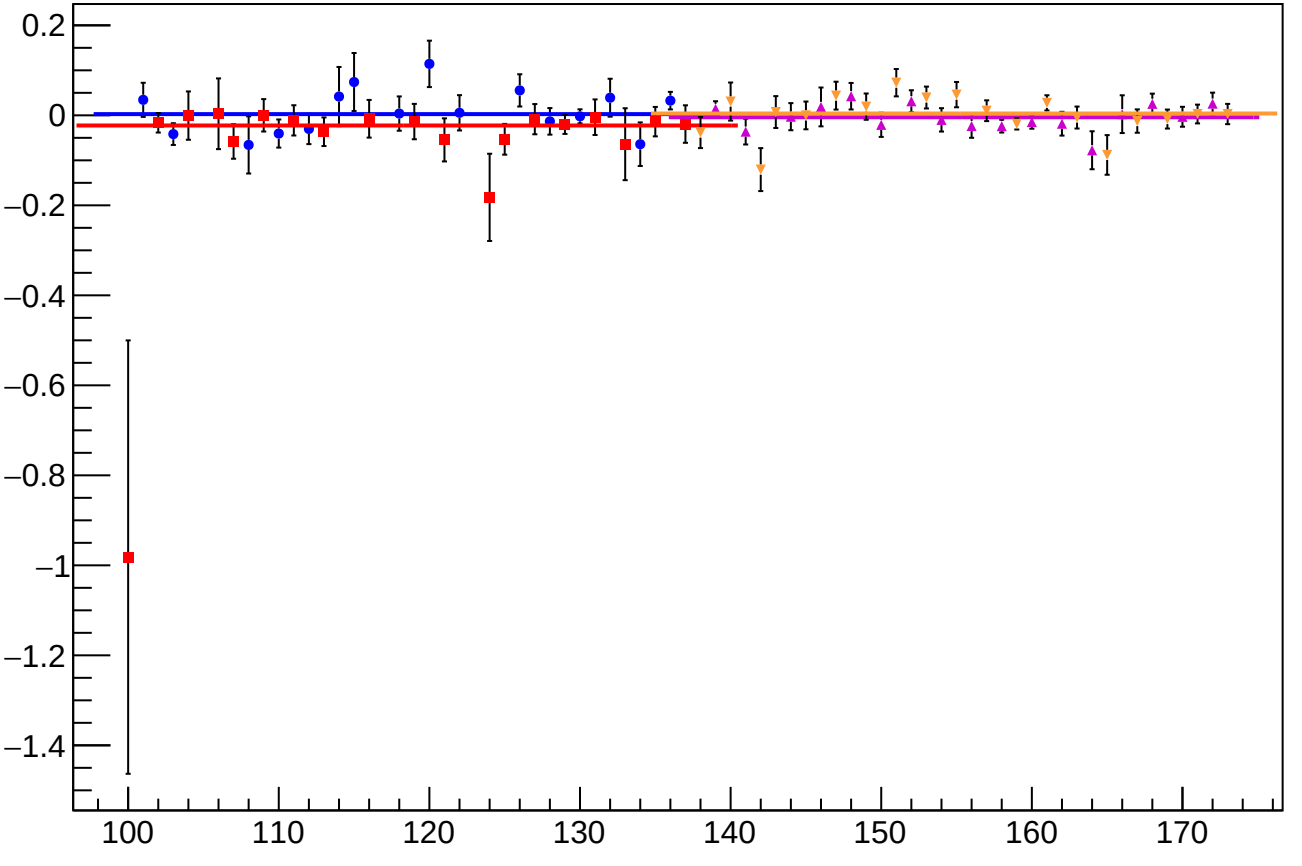
Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:2182087.6/32

Out: 0.001+/-0.000 χ^2/NDF:8738740.0/37

All: 0.001+/-0.000 χ^2/NDF: 11947331.2/70

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: 0.004+/-0.006 χ^2/NDF:30.7/18

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.006 χ^2/NDF:17.4/16

Left: -0.000+/-0.004 χ^2/NDF: 49.2/35

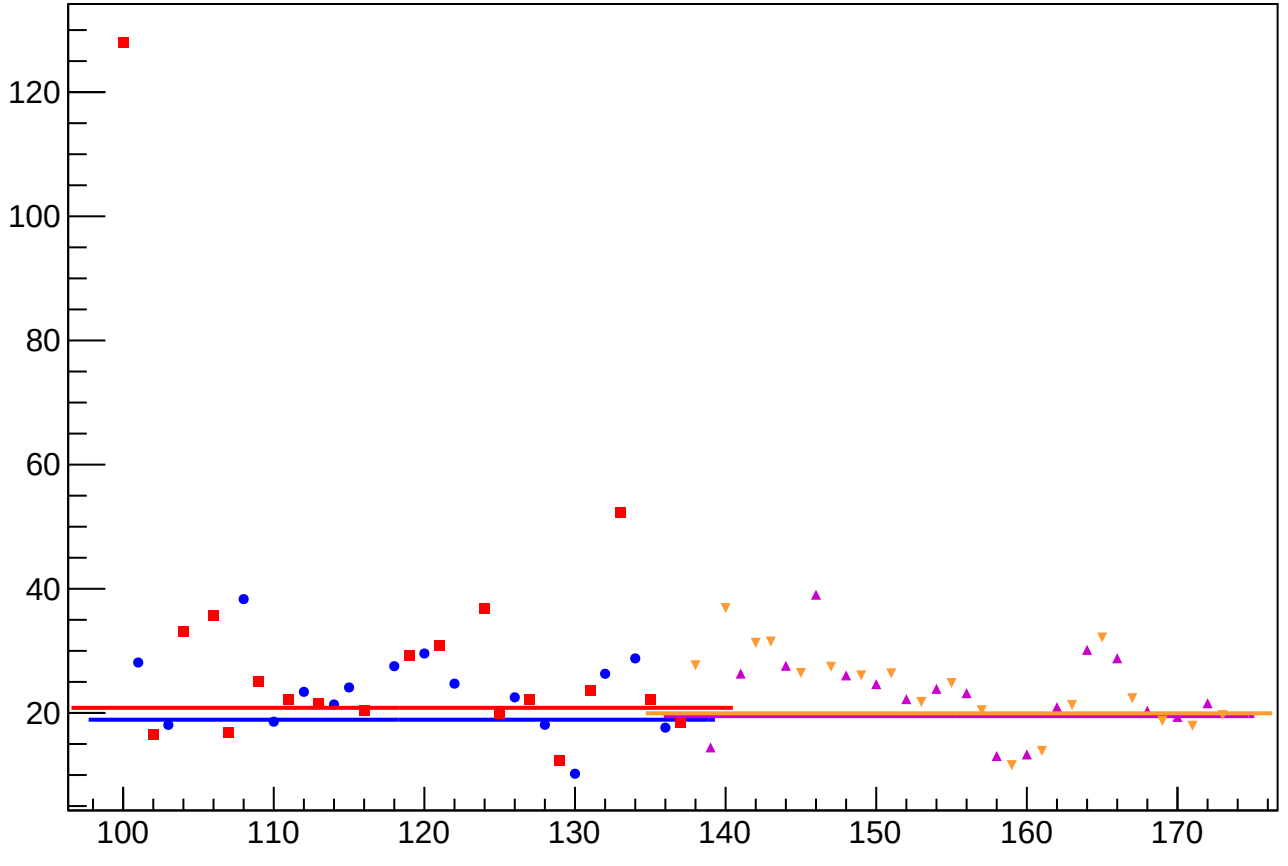
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.005 χ^2/NDF:39.9/32

Out: -0.004+/-0.005 χ^2/NDF:48.3/37

All: -0.003+/-0.003 χ^2/NDF: 88.3/70

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: 19.939+/-0.004 χ^2/NDF:2534257.5/18

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.490+/-0.004 χ^2/NDF:2146528.5/16

Left: 19.716+/-0.003 χ^2/NDF: 4687150.3/35

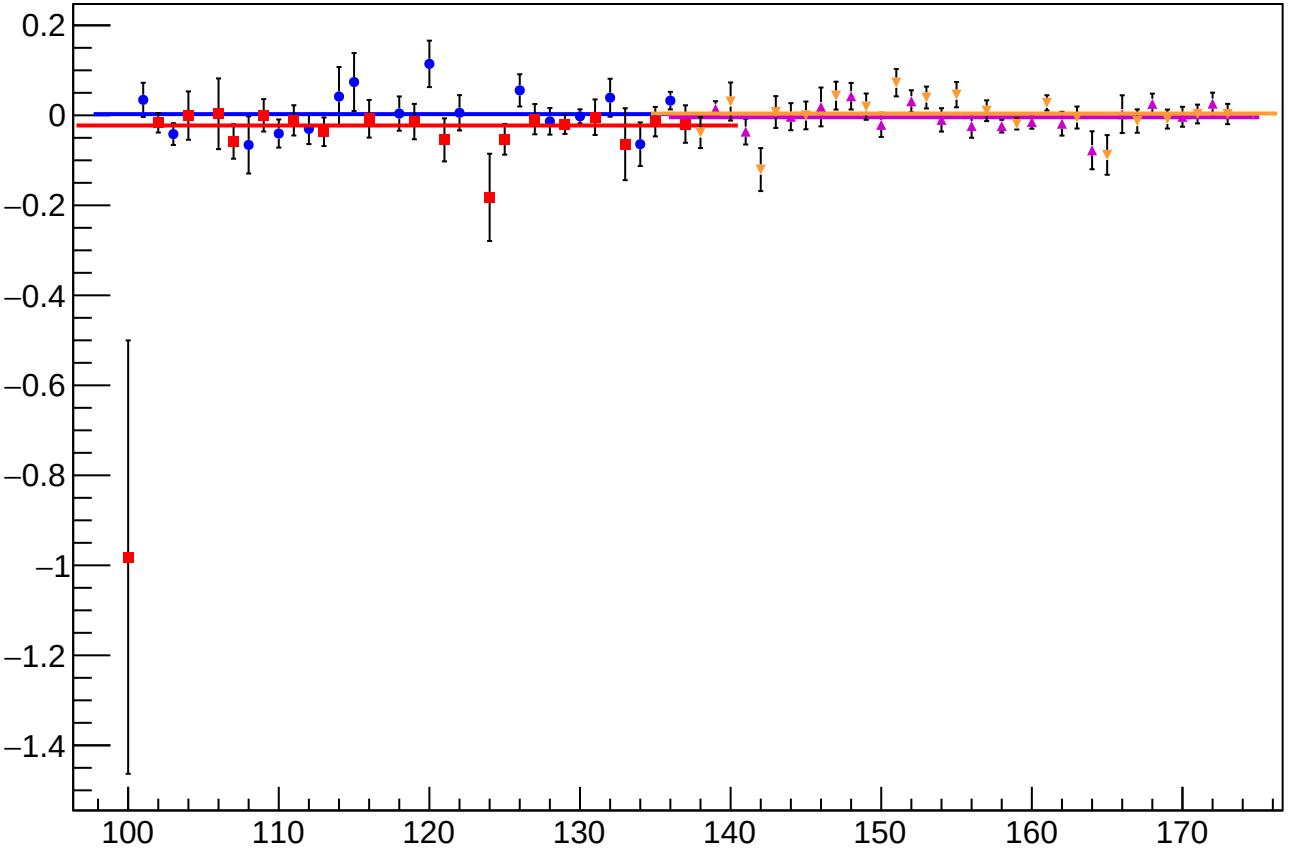
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.290+/-0.003 χ^2/NDF:3543948.2/32

Out: 20.211+/-0.003 χ^2/NDF:3841106.8/37

All: 19.741+/-0.002 χ^2/NDF: 7424601.3/70

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: 0.004+/-0.006 χ^2/NDF:30.7/18

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.006 χ^2/NDF:17.4/16

Left: -0.000+/-0.004 χ^2/NDF: 49.2/35

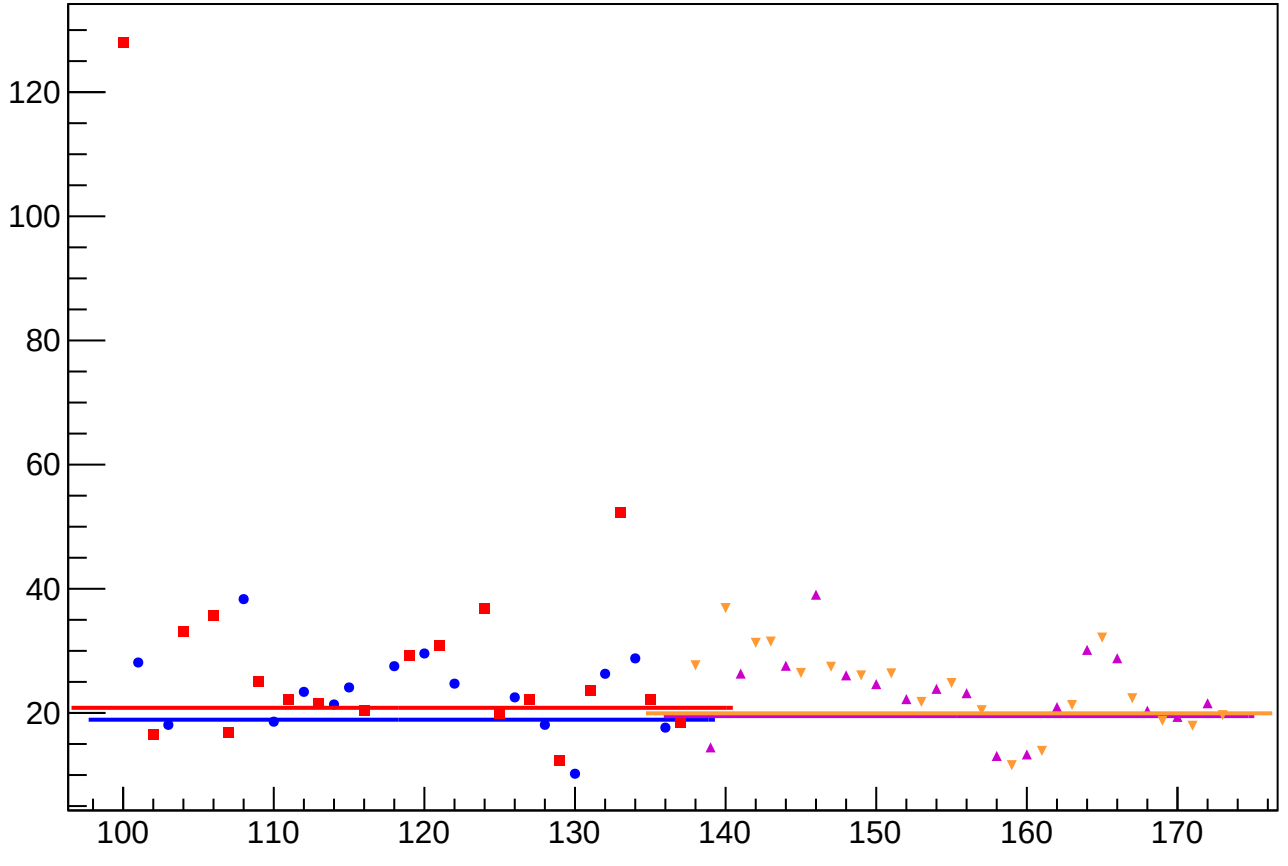
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.005 χ^2/NDF:39.9/32

Out: -0.004+/-0.005 χ^2/NDF:48.3/37

All: -0.003+/-0.003 χ^2/NDF: 88.3/70

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: 19.939+/-0.004 χ^2/NDF:2534257.5/18

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.490+/-0.004 χ^2/NDF:2146528.5/16

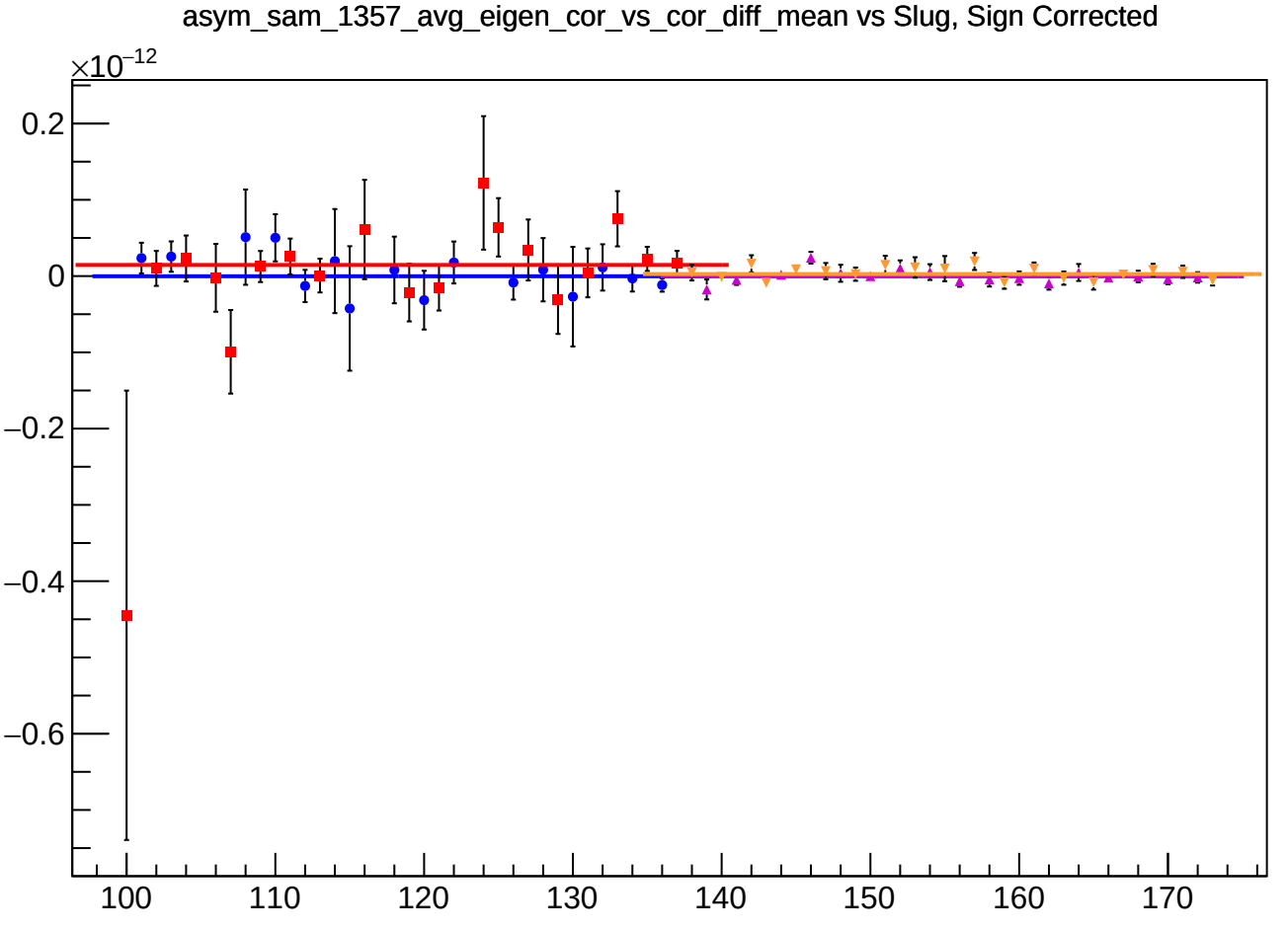
Left: 19.716+/-0.003 χ^2/NDF: 4687150.3/35

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.290+/-0.003 χ^2/NDF:3543948.2/32

Out: 20.211+/-0.003 χ^2/NDF:3841106.8/37

All: 19.741+/-0.002 χ^2/NDF: 7424601.3/70



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

Left In: -0.000+/-0.000 χ^2/NDF:16.8/16

Left: 0.000+/-0.000 χ^2/NDF: 34.8/35

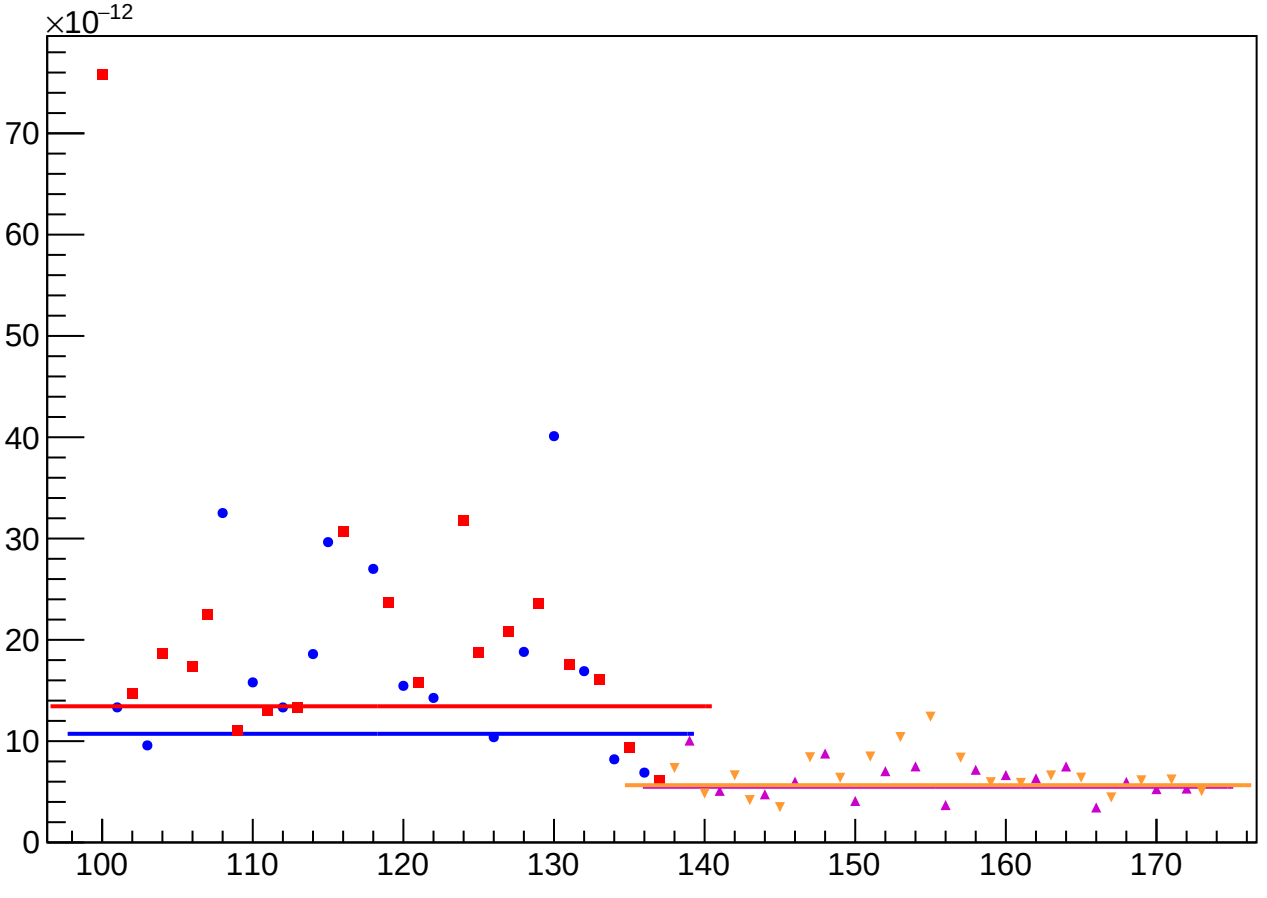
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: -0.000+/-0.000 χ^2/NDF:27.3/32

Out: 0.000+/-0.000 χ^2/NDF:37.5/37

All: 0.000+/-0.000 χ^2/NDF: 67.1/70

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1706405.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1243874.2/16

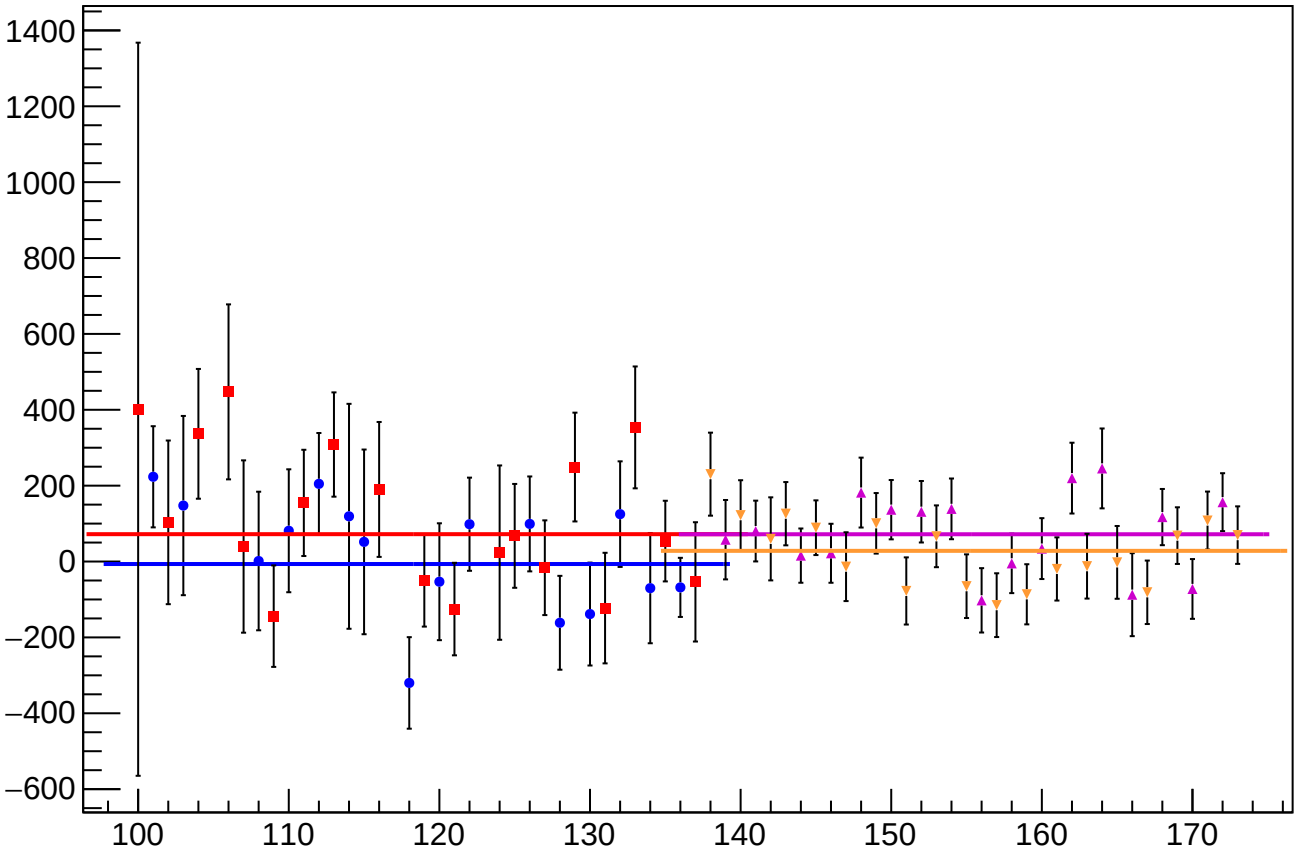
Left: 0.000+/-0.000 χ^2/NDF: 2957019.9/35

Right: 0.000+/-0.000 χ^2/NDF: 3438709.3/34

In: 0.000+/-0.000 χ^2/NDF:4643281.6/32

Out: 0.000+/-0.000 χ^2/NDF:5737974.2/37

All: 0.000+/-0.000 χ^2/NDF: 10393868.1/70



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 28.166+/-19.323 χ^2/NDF:19.6/18

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 71.902+/-20.169 χ^2/NDF:22.1/16

Left: 49.097+/-13.953 χ^2/NDF: 44.1/35

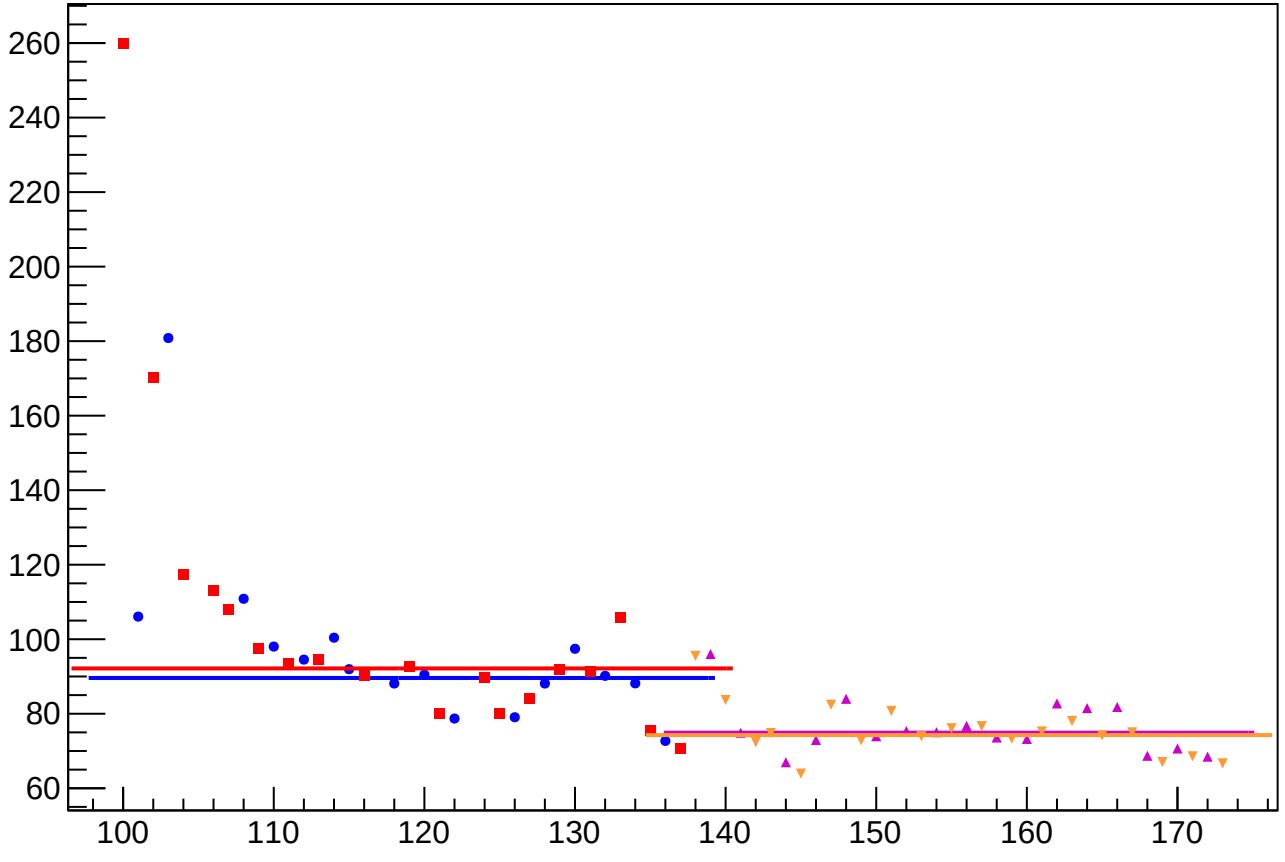
Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 51.731+/-17.384 χ^2/NDF:44.9/32

Out: 38.487+/-16.903 χ^2/NDF:43.6/37

All: 44.923+/-12.119 χ^2/NDF: 88.8/70

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 74.269+/-0.014 χ^2/NDF:222842.2/18

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 74.922+/-0.014 χ^2/NDF:193464.6/16

Left: 74.581+/-0.010 χ^2/NDF: 417398.5/35

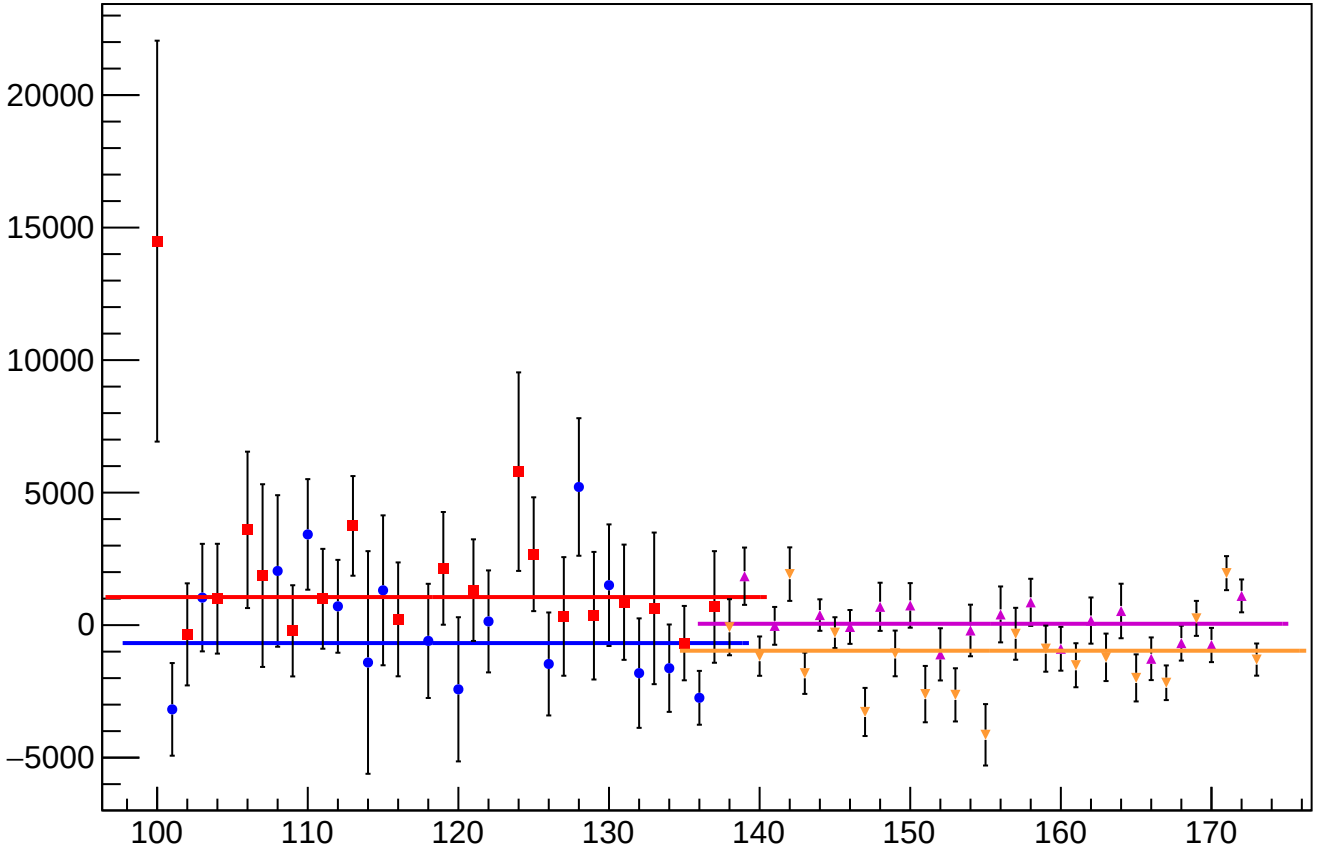
Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 78.696+/-0.012 χ^2/NDF:964307.8/32

Out: 78.470+/-0.012 χ^2/NDF:1167537.3/37

All: 78.580+/-0.009 χ^2/NDF: 2132018.7/70

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: -965.968+/-183.870 χ^2/NDF:60.9/18

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 50.775+/-190.521 χ^2/NDF:16.5/16

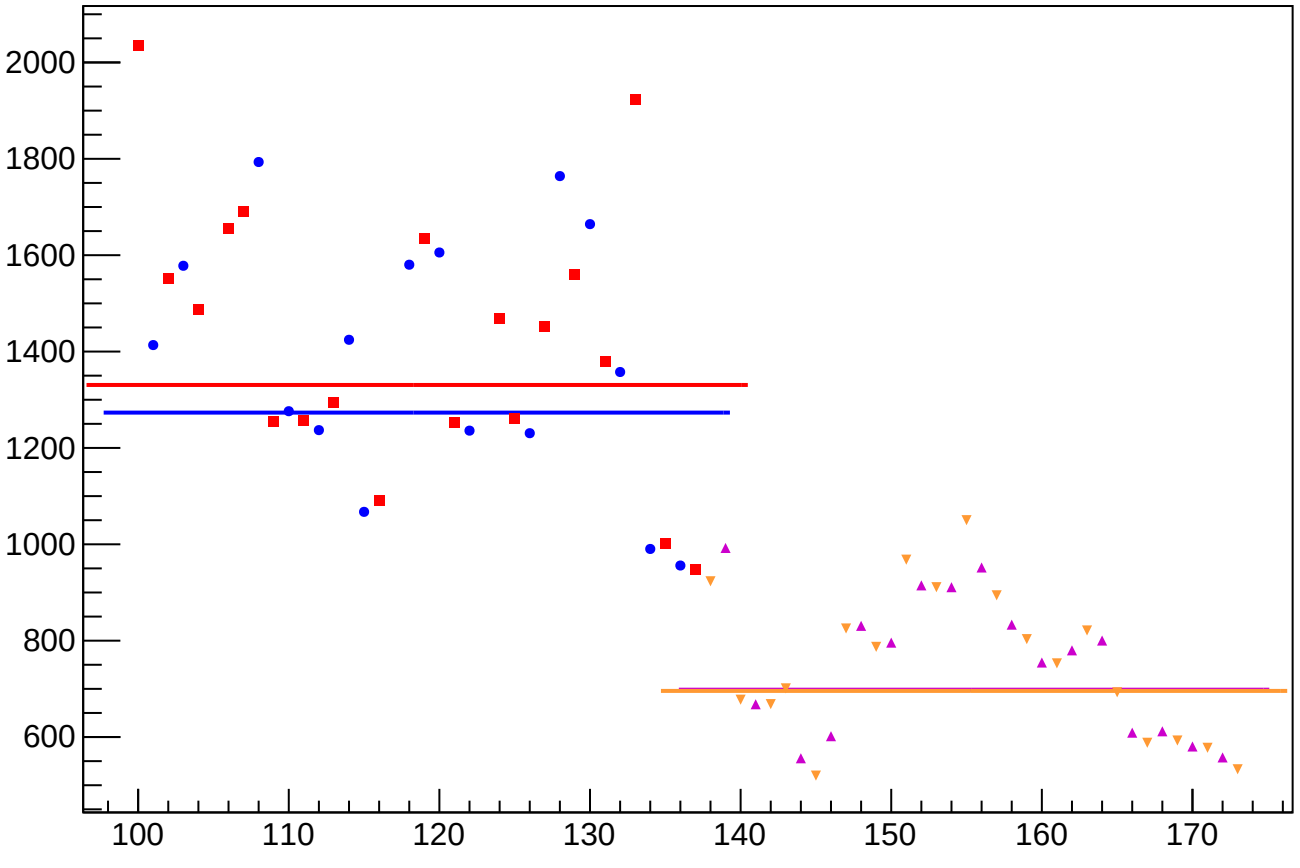
Left: -475.652+/-132.305 χ^2/NDF: 92.1/35

Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: -46.055+/-177.402 χ^2/NDF:38.7/32

Out: -721.643+/-172.420 χ^2/NDF:86.9/37

All: -393.468+/-123.643 χ^2/NDF: 133.1/70



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 695.746+/-0.130 χ^2/NDF:1226457.9/18

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 698.286+/-0.135 χ^2/NDF:1010334.3/16

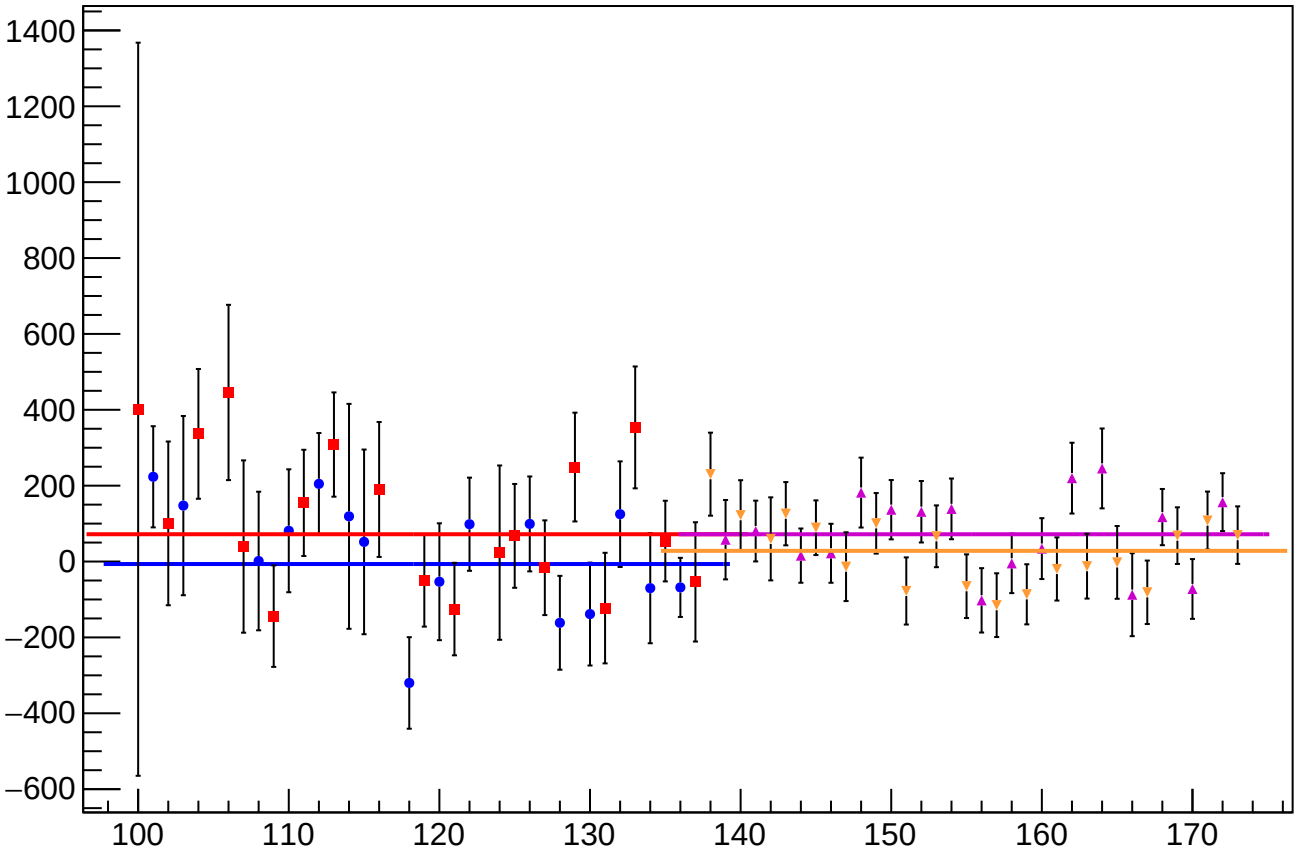
Left: 696.971+/-0.094 χ^2/NDF: 2236976.3/35

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 774.754+/-0.125 χ^2/NDF:4030685.6/32

Out: 772.364+/-0.122 χ^2/NDF:4575008.9/37

All: 773.525+/-0.087 χ^2/NDF: 8605881.3/70



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 28.168+/-19.323 χ^2/NDF:19.6/18

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 71.901+/-20.169 χ^2/NDF:22.1/16

Left: 49.098+/-13.953 χ^2/NDF: 44.1/35

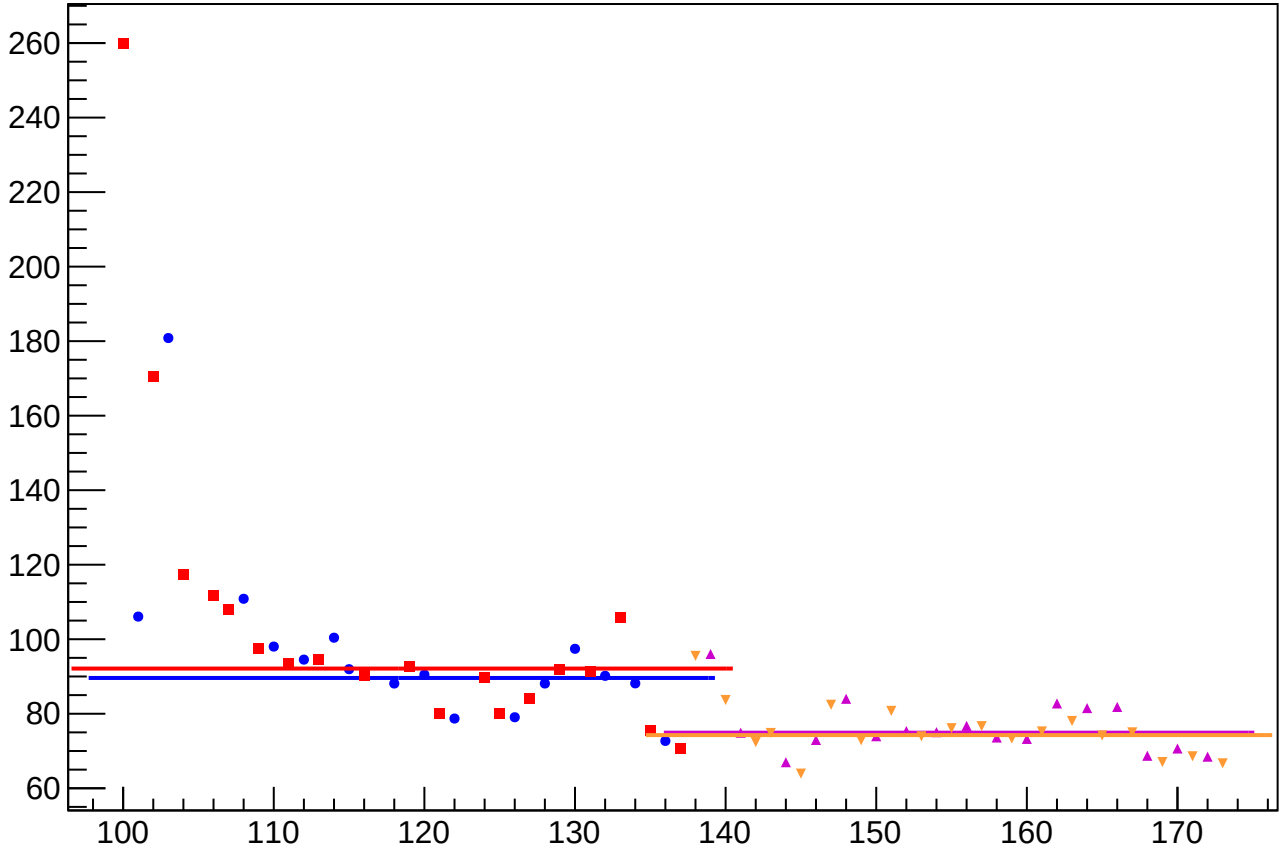
Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 51.728+/-17.384 χ^2/NDF:44.9/32

Out: 38.454+/-16.903 χ^2/NDF:43.5/37

All: 44.905+/-12.119 χ^2/NDF: 88.8/70

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 74.269+/-0.014 χ^2/NDF:222842.2/18

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 74.922+/-0.014 χ^2/NDF:193464.6/16

Left: 74.581+/-0.010 χ^2/NDF: 417398.5/35

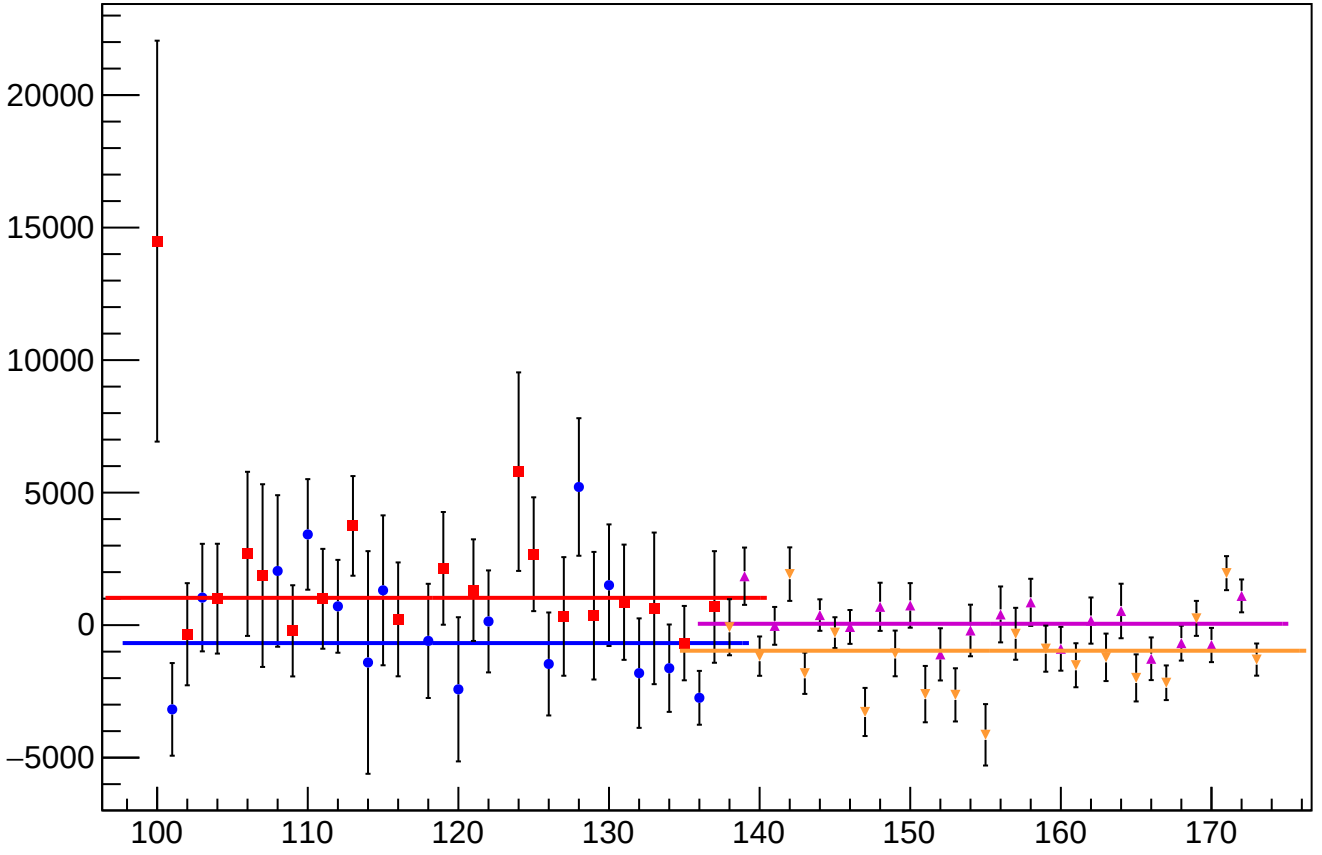
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 78.696+/-0.012 χ^2/NDF:964311.3/32

Out: 78.462+/-0.012 χ^2/NDF:1164308.0/37

All: 78.576+/-0.009 χ^2/NDF: 2128805.2/70

asym_sam_2468_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -965.963+/-183.870 χ^2/NDF:60.9/18

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 50.777+/-190.521 χ^2/NDF:16.5/16

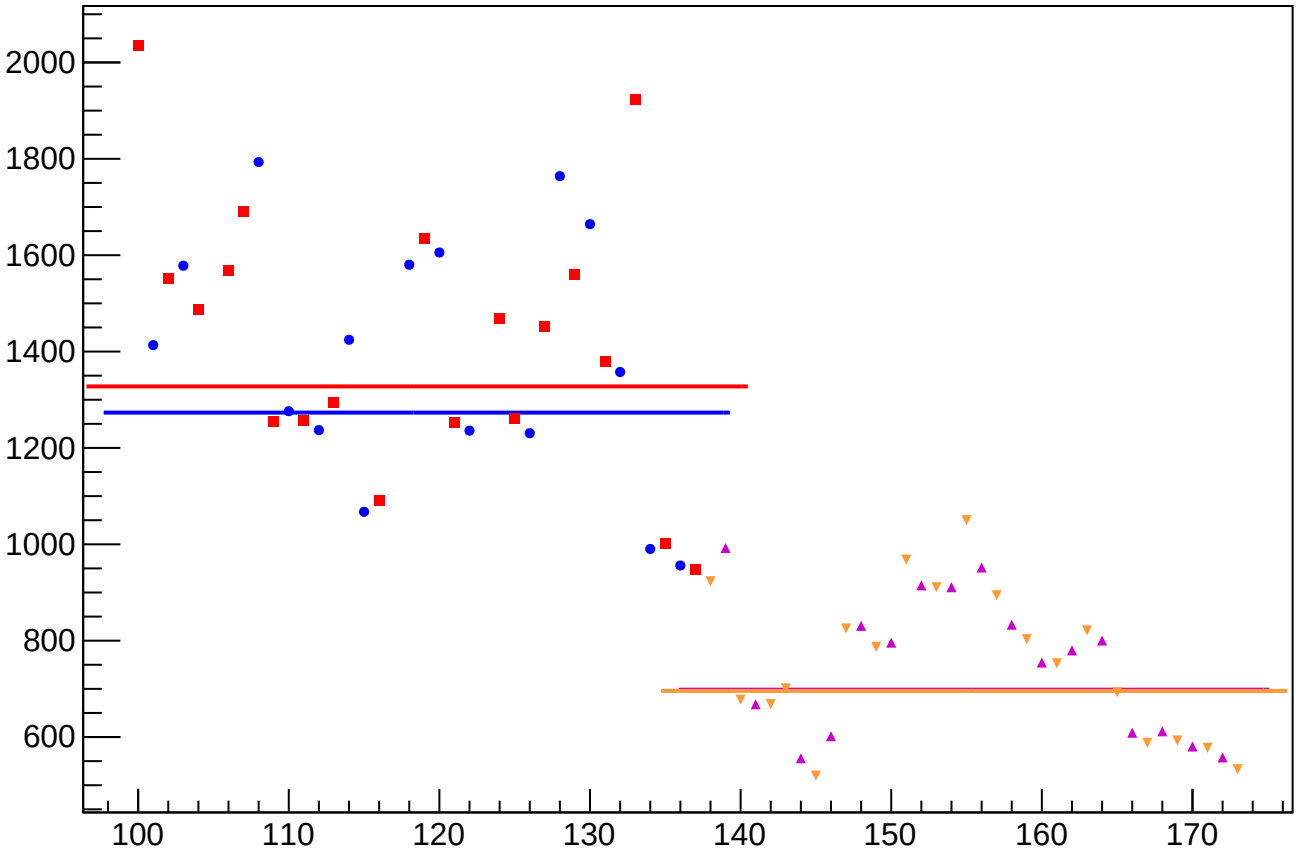
Left: -475.649+/-132.305 χ^2/NDF: 92.1/35

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -46.048+/-177.402 χ^2/NDF:38.7/32

Out: -725.752+/-172.448 χ^2/NDF:86.0/37

All: -395.522+/-123.653 χ^2/NDF: 132.3/70



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 695.745+/-0.130 χ^2/NDF:1226461.2/18

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 698.286+/-0.135 χ^2/NDF:1010332.3/16

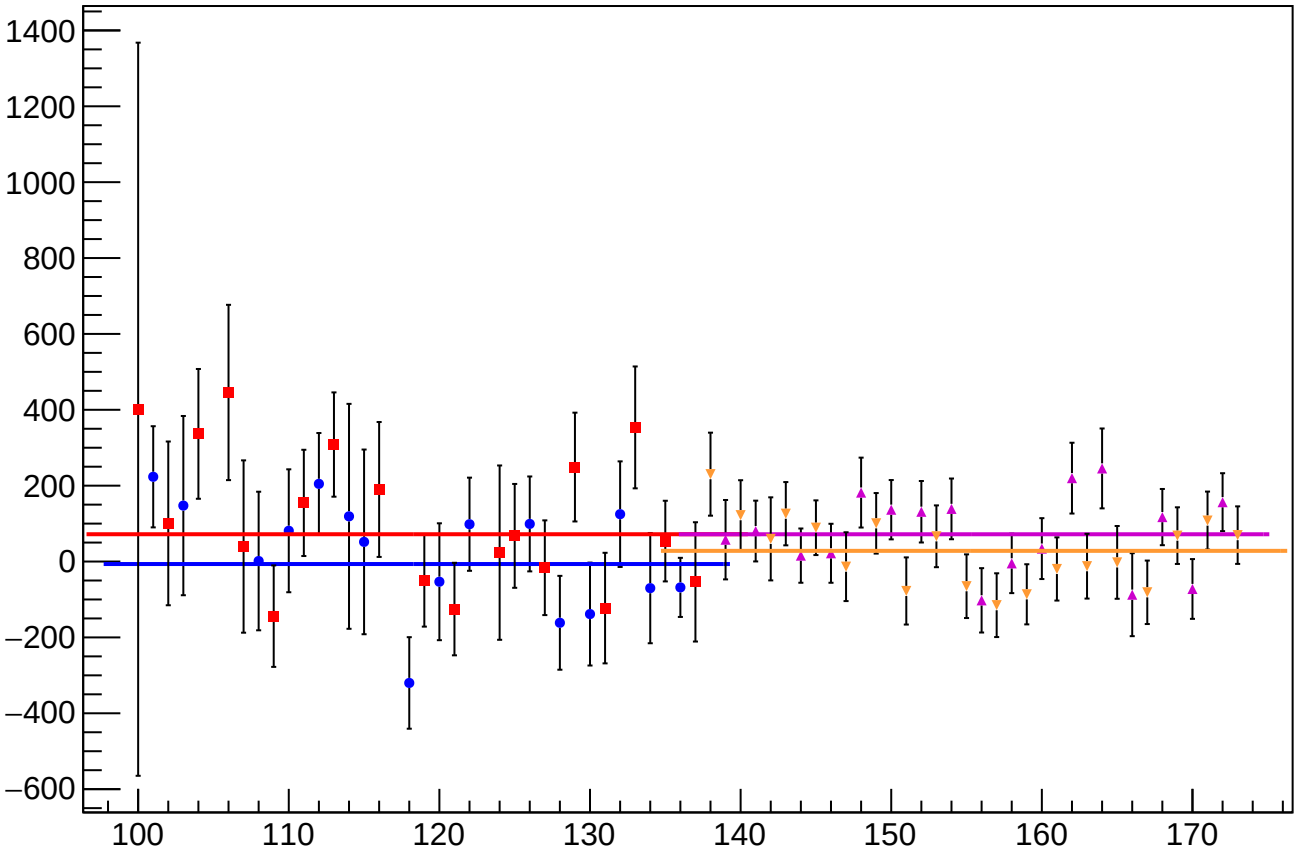
Left: 696.970+/-0.094 χ^2/NDF: 2236977.6/35

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 774.754+/-0.125 χ^2/NDF:4030721.7/32

Out: 771.818+/-0.122 χ^2/NDF:4528728.6/37

All: 773.245+/-0.087 χ^2/NDF: 8559732.0/70



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 28.168+/-19.323 χ^2/NDF:19.6/18

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 71.901+/-20.169 χ^2/NDF:22.1/16

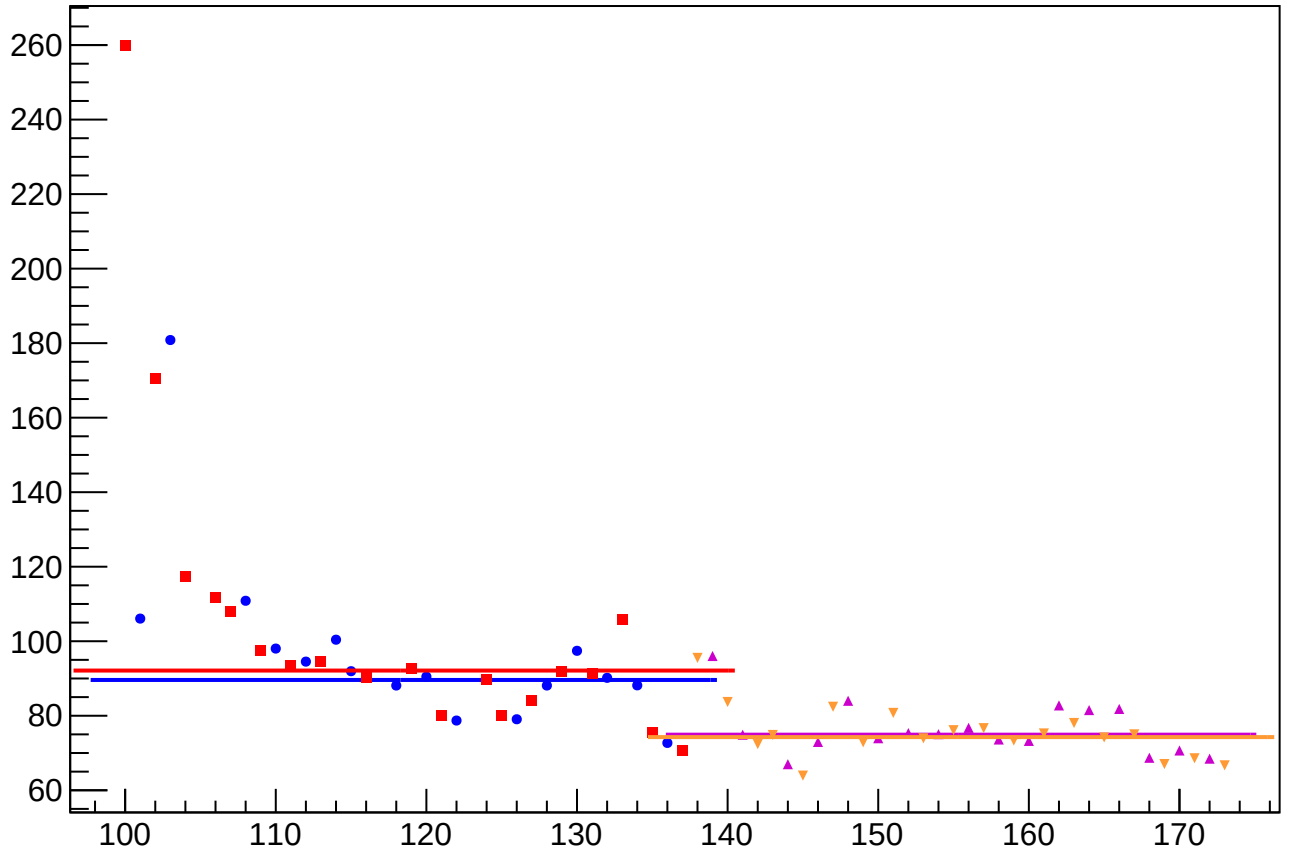
Left: 49.098+/-13.953 χ^2/NDF: 44.1/35

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 51.728+/-17.384 χ^2/NDF:44.9/32

Out: 38.454+/-16.903 χ^2/NDF:43.5/37

All: 44.905+/-12.119 χ^2/NDF: 88.8/70



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 74.269+/-0.014 χ^2/NDF:222842.2/18

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 74.922+/-0.014 χ^2/NDF:193464.6/16

Left: 74.581+/-0.010 χ^2/NDF: 417398.5/35

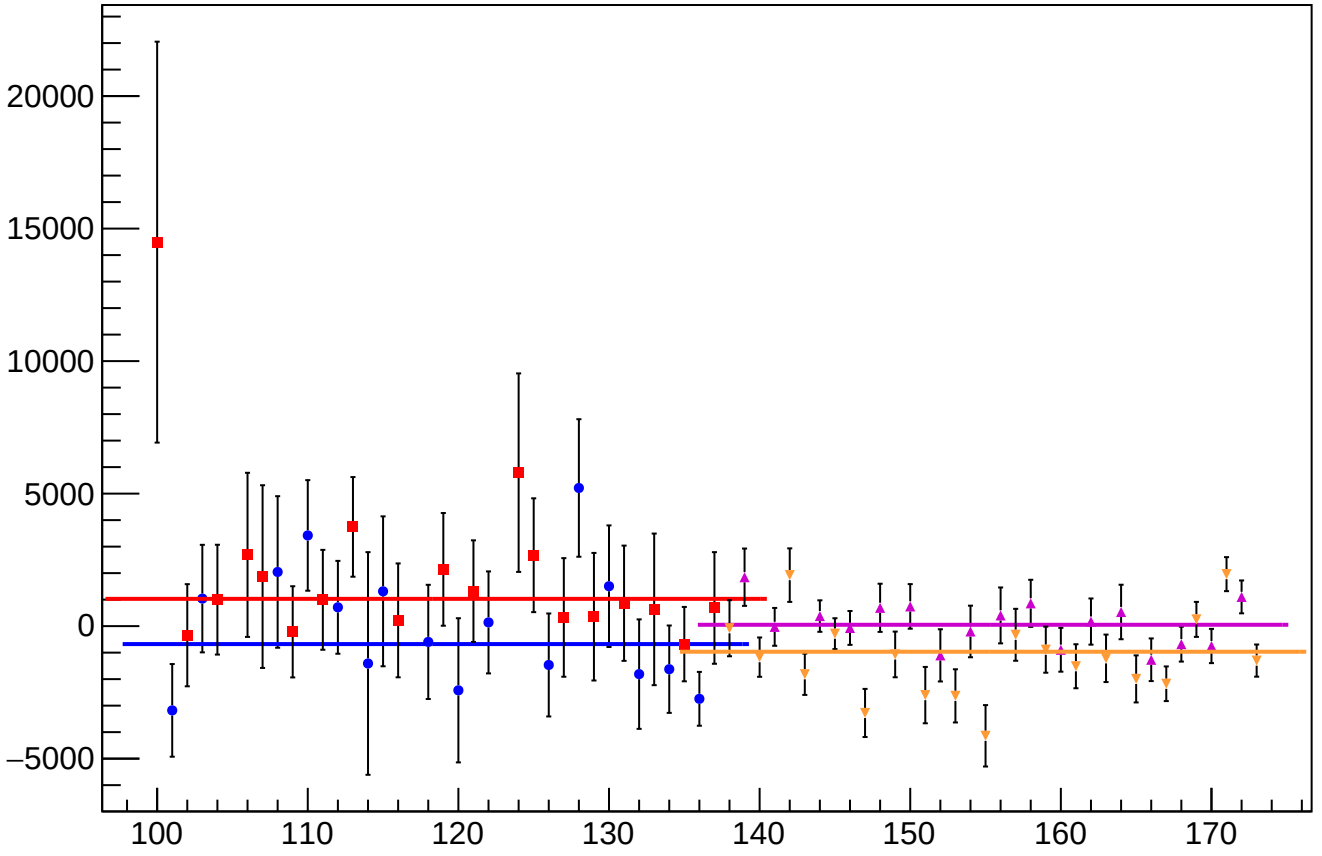
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 78.696+/-0.012 χ^2/NDF:964311.3/32

Out: 78.462+/-0.012 χ^2/NDF:1164308.0/37

All: 78.576+/-0.009 χ^2/NDF: 2128805.2/70

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -965.963+/-183.870 χ^2/NDF:60.9/18

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 50.777+/-190.521 χ^2/NDF:16.5/16

Left: -475.649+/-132.305 χ^2/NDF: 92.1/35

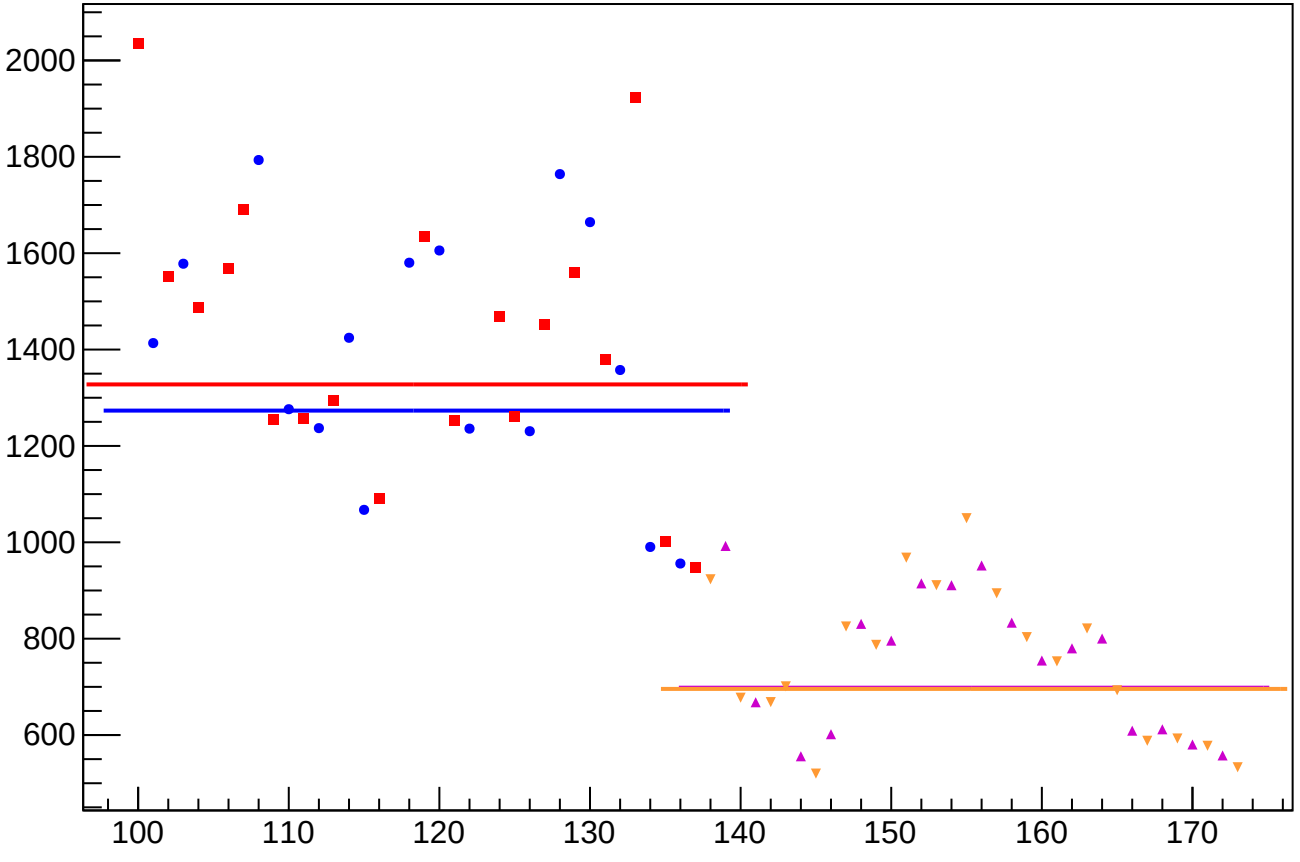
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -46.048+/-177.402 χ^2/NDF:38.7/32

Out: -725.752+/-172.448 χ^2/NDF:86.0/37

All: -395.522+/-123.653 χ^2/NDF: 132.3/70

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: 695.745+/-0.130 χ^2/NDF:1226461.2/18

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 698.286+/-0.135 χ^2/NDF:1010332.3/16

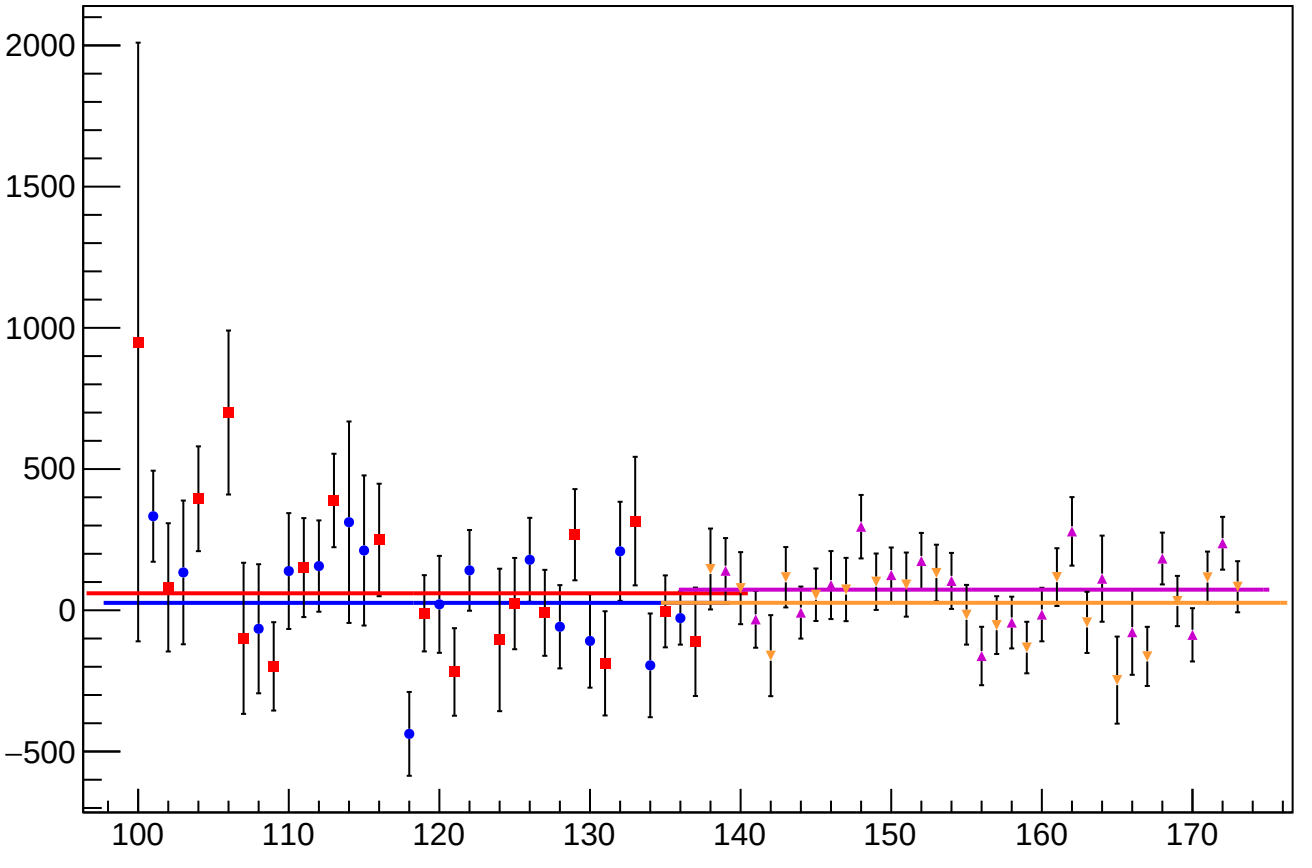
Left: 696.970+/-0.094 χ^2/NDF: 2236977.6/35

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 774.754+/-0.125 χ^2/NDF:4030721.7/32

Out: 771.818+/-0.122 χ^2/NDF:4528728.6/37

All: 773.245+/-0.087 χ^2/NDF: 8559732.0/70



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 26.442+/-24.206 χ^2/NDF:18.3/18

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 72.989+/-25.218 χ^2/NDF:26.6/16

Left: 48.763+/-17.463 χ^2/NDF: 46.7/35

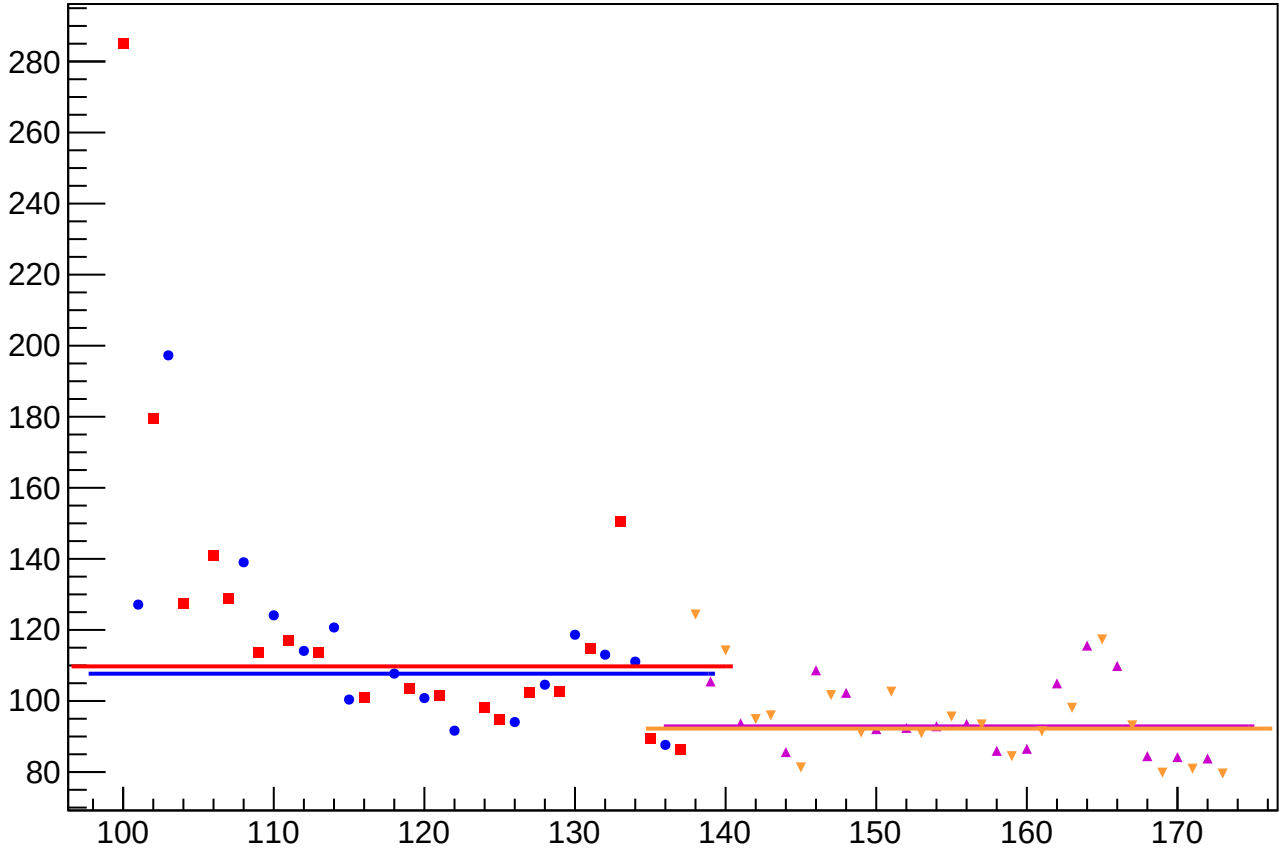
Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 60.260+/-21.511 χ^2/NDF:48.9/32

Out: 34.982+/-20.913 χ^2/NDF:45.8/37

All: 47.265+/-14.995 χ^2/NDF: 95.4/70

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 92.232+/-0.017 χ^2/NDF:406702.6/18

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 92.845+/-0.018 χ^2/NDF:247248.3/16

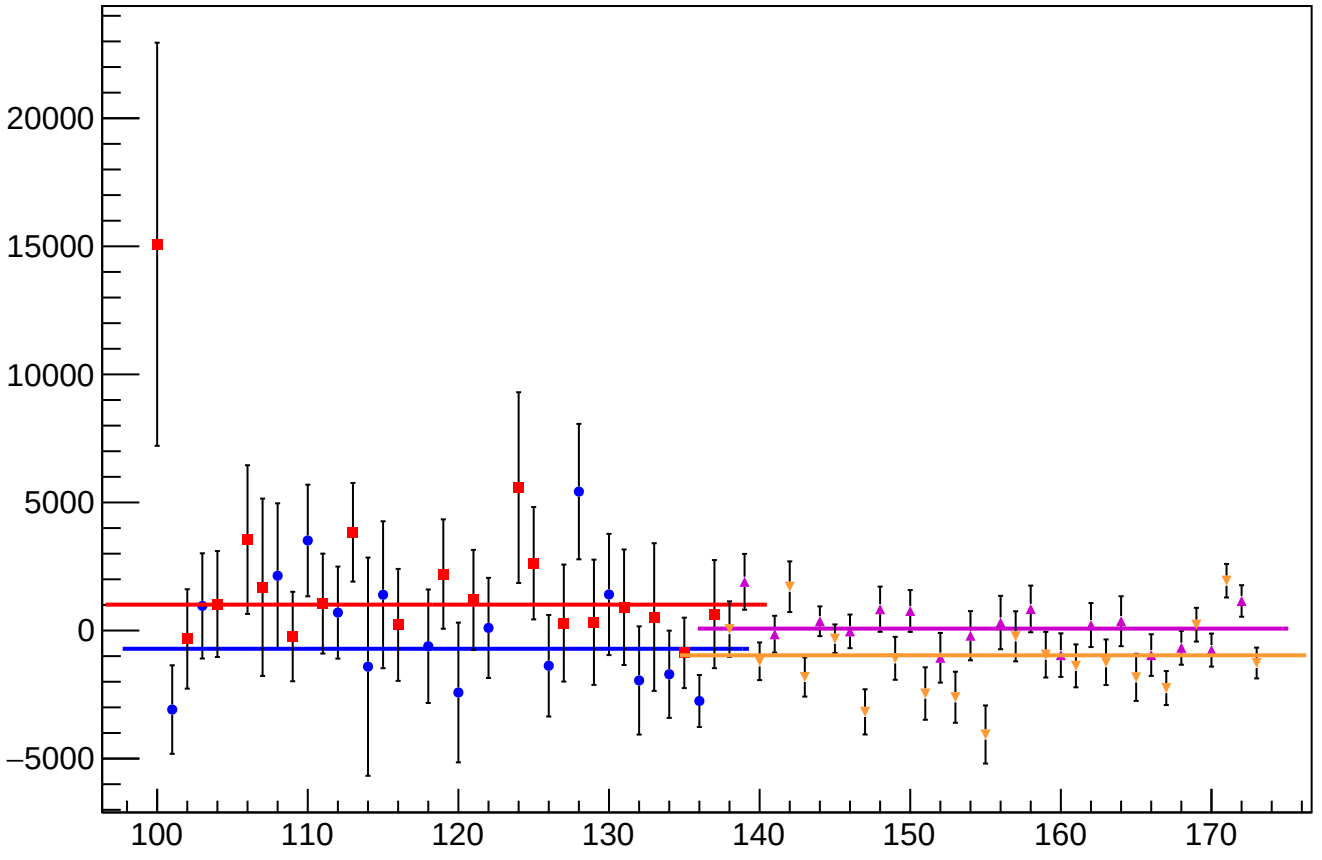
Left: 92.526+/-0.012 χ^2/NDF: 654565.3/35

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 96.885+/-0.015 χ^2/NDF:918873.6/32

Out: 96.672+/-0.015 χ^2/NDF:1163796.0/37

All: 96.776+/-0.011 χ^2/NDF: 2082770.5/70



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -966.623+/-182.673 χ^2/NDF:58.3/18

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 74.658+/-189.827 χ^2/NDF:16.1/16

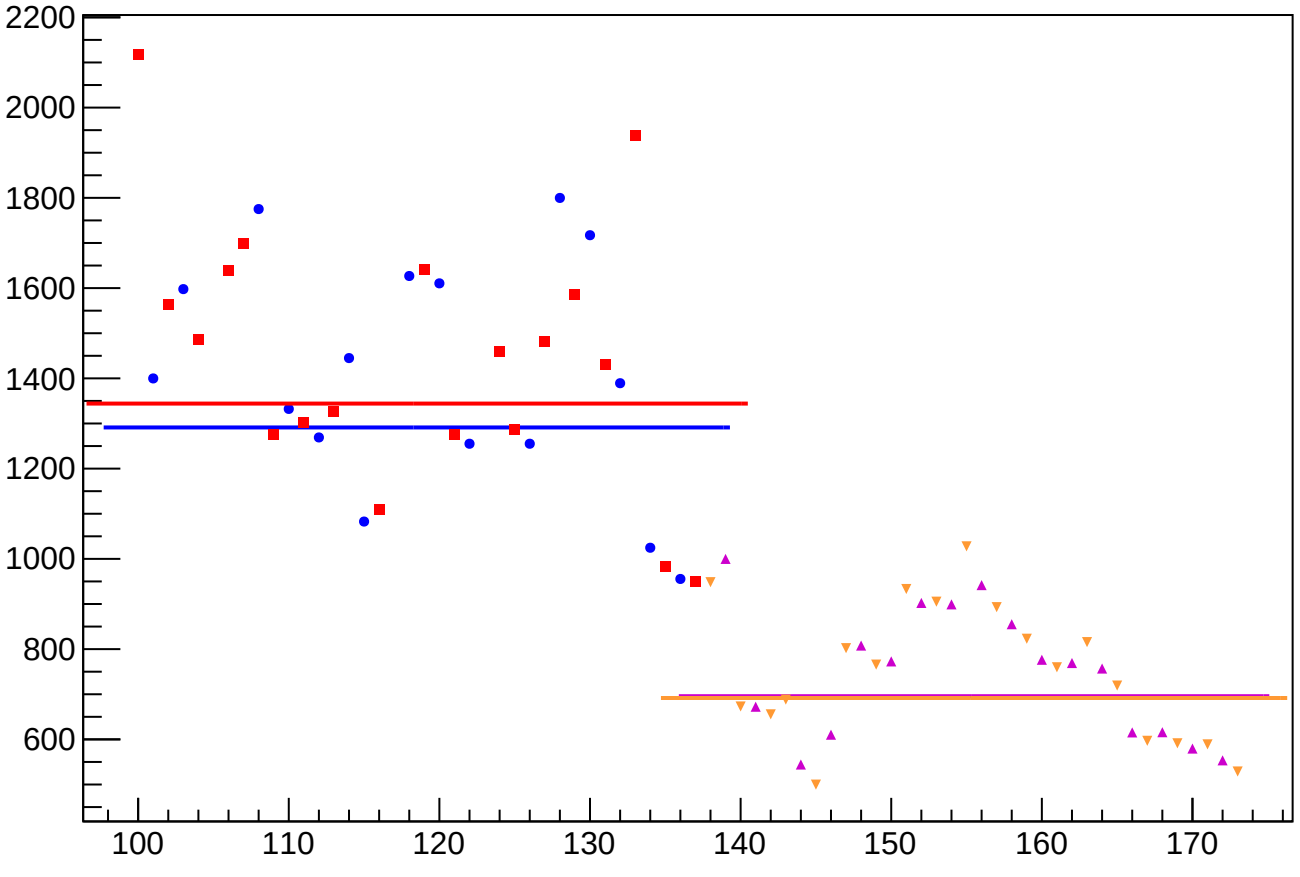
Left: -465.973+/-131.626 χ^2/NDF: 90.0/35

Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: -26.936+/-177.160 χ^2/NDF:38.4/32

Out: -734.916+/-171.636 χ^2/NDF:83.8/37

All: -392.137+/-123.272 χ^2/NDF: 130.5/70



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 691.709+/-0.129 χ^2/NDF:1244985.1/18

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 695.729+/-0.134 χ^2/NDF:991441.5/16

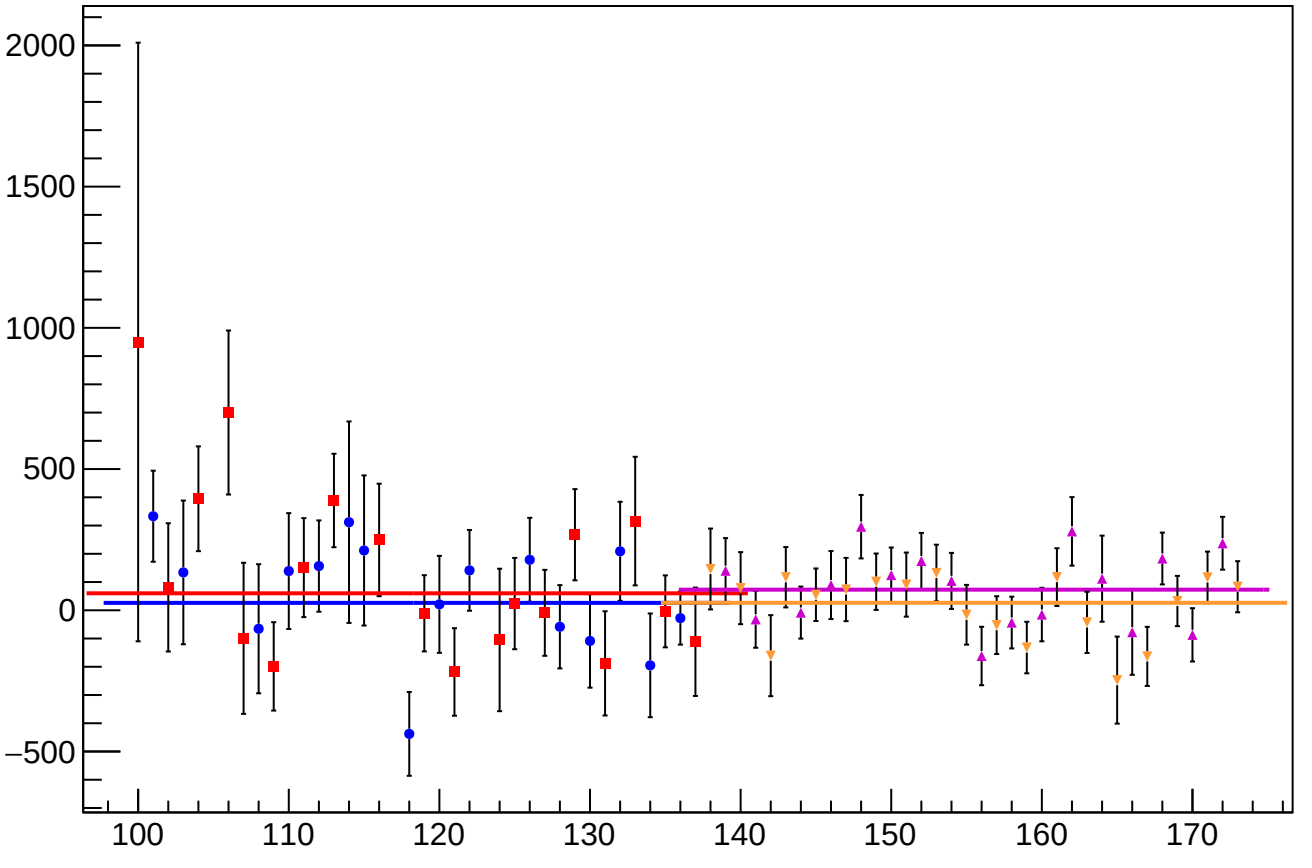
Left: 693.641+/-0.093 χ^2/NDF: 2236892.3/35

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 772.548+/-0.125 χ^2/NDF:4141344.9/32

Out: 768.165+/-0.121 χ^2/NDF:4725555.2/37

All: 770.287+/-0.087 χ^2/NDF: 8867531.6/70



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 26.442+/-24.207 χ^2/NDF:18.3/18

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 72.988+/-25.218 χ^2/NDF:26.6/16

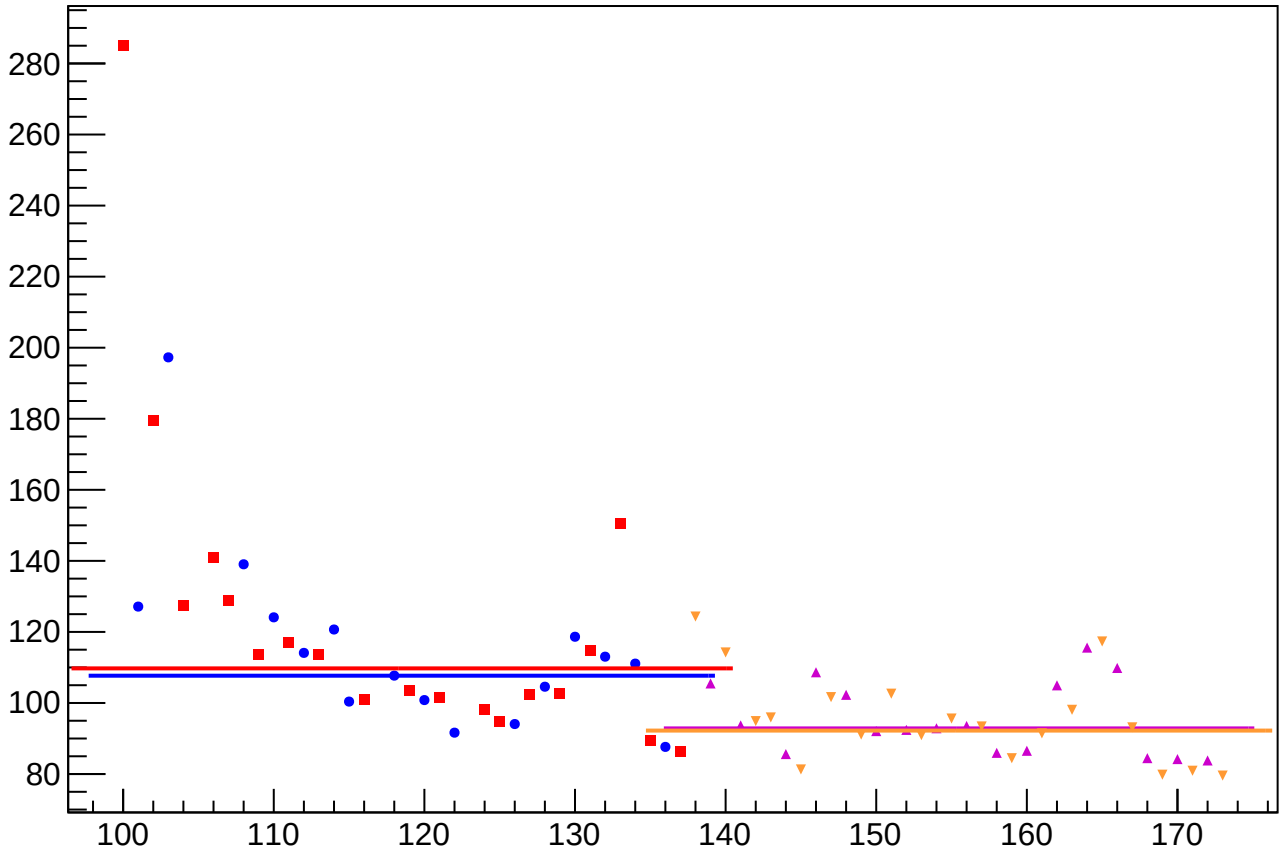
Left: 48.763+/-17.463 χ^2/NDF: 46.7/35

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 60.259+/-21.511 χ^2/NDF:48.9/32

Out: 34.982+/-20.913 χ^2/NDF:45.8/37

All: 47.264+/-14.995 χ^2/NDF: 95.4/70



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 92.233+/-0.017 χ^2/NDF:406697.0/18

Right Out: 109.739+/-0.029 χ^2/NDF: 491784.5/18

Left In: 92.845+/-0.018 χ^2/NDF:247251.1/16

Left: 92.526+/-0.012 χ^2/NDF: 654562.6/35

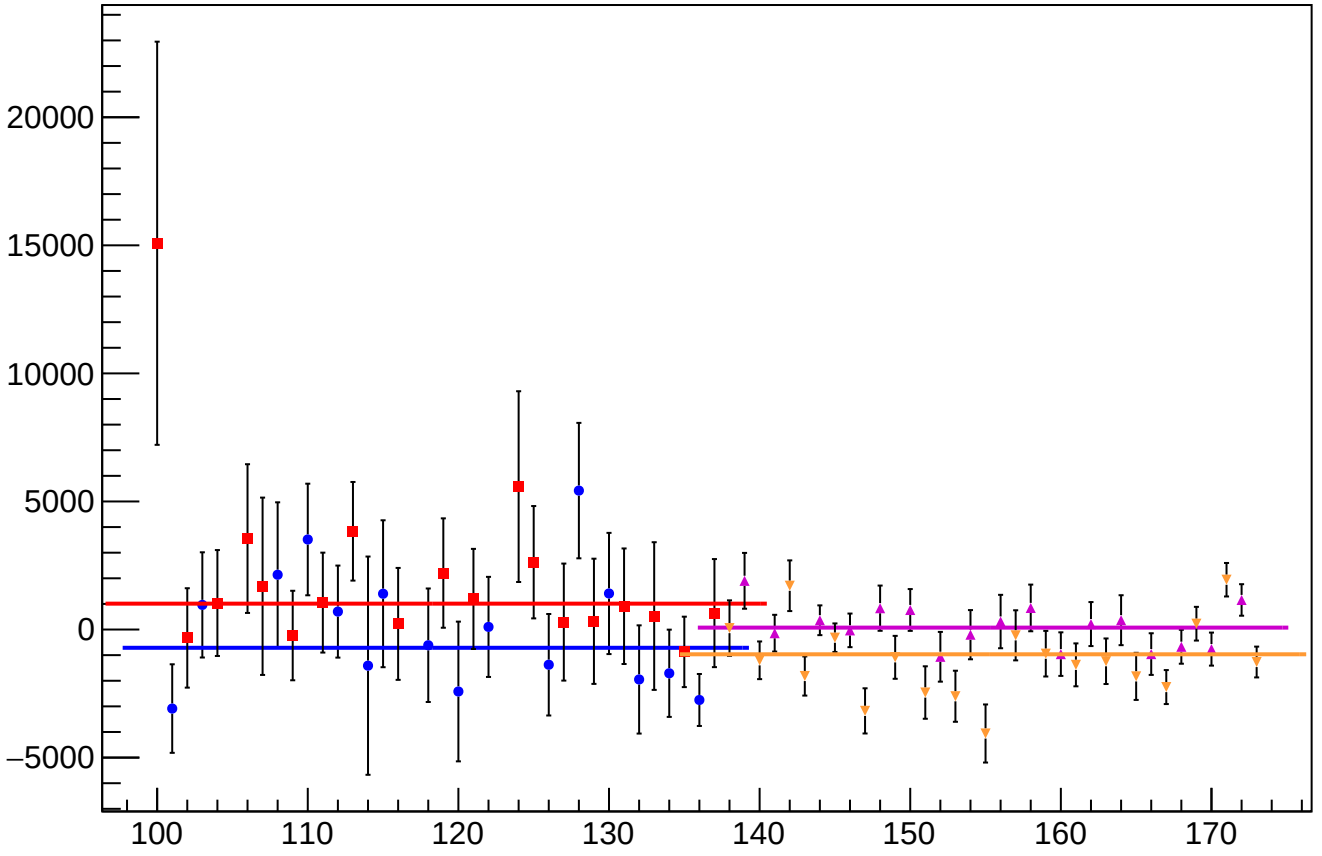
Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 96.885+/-0.015 χ^2/NDF:918837.7/32

Out: 96.672+/-0.015 χ^2/NDF:1163761.2/37

All: 96.776+/-0.011 χ^2/NDF: 2082699.8/70

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: -966.621+/-182.673 χ^2/NDF:58.3/18

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 74.656+/-189.827 χ^2/NDF:16.1/16

Left: -465.973+/-131.626 χ^2/NDF: 90.0/35

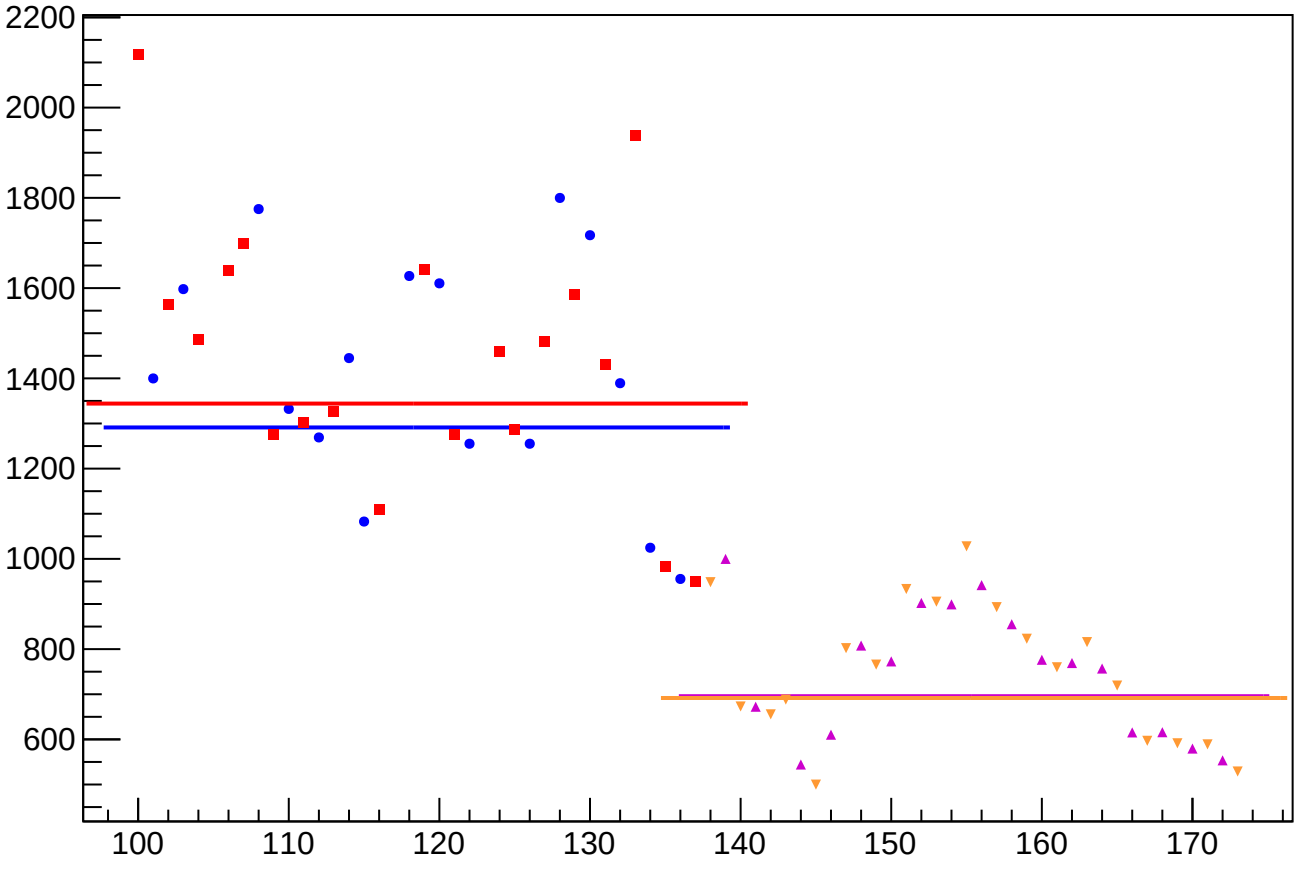
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: -26.938+/-177.160 χ^2/NDF:38.4/32

Out: -734.914+/-171.636 χ^2/NDF:83.8/37

All: -392.136+/-123.272 χ^2/NDF: 130.5/70

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 691.707+/-0.129 χ^2/NDF:1244992.2/18

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 695.727+/-0.134 χ^2/NDF:991443.3/16

Left: 693.640+/-0.093 χ^2/NDF: 2236901.2/35

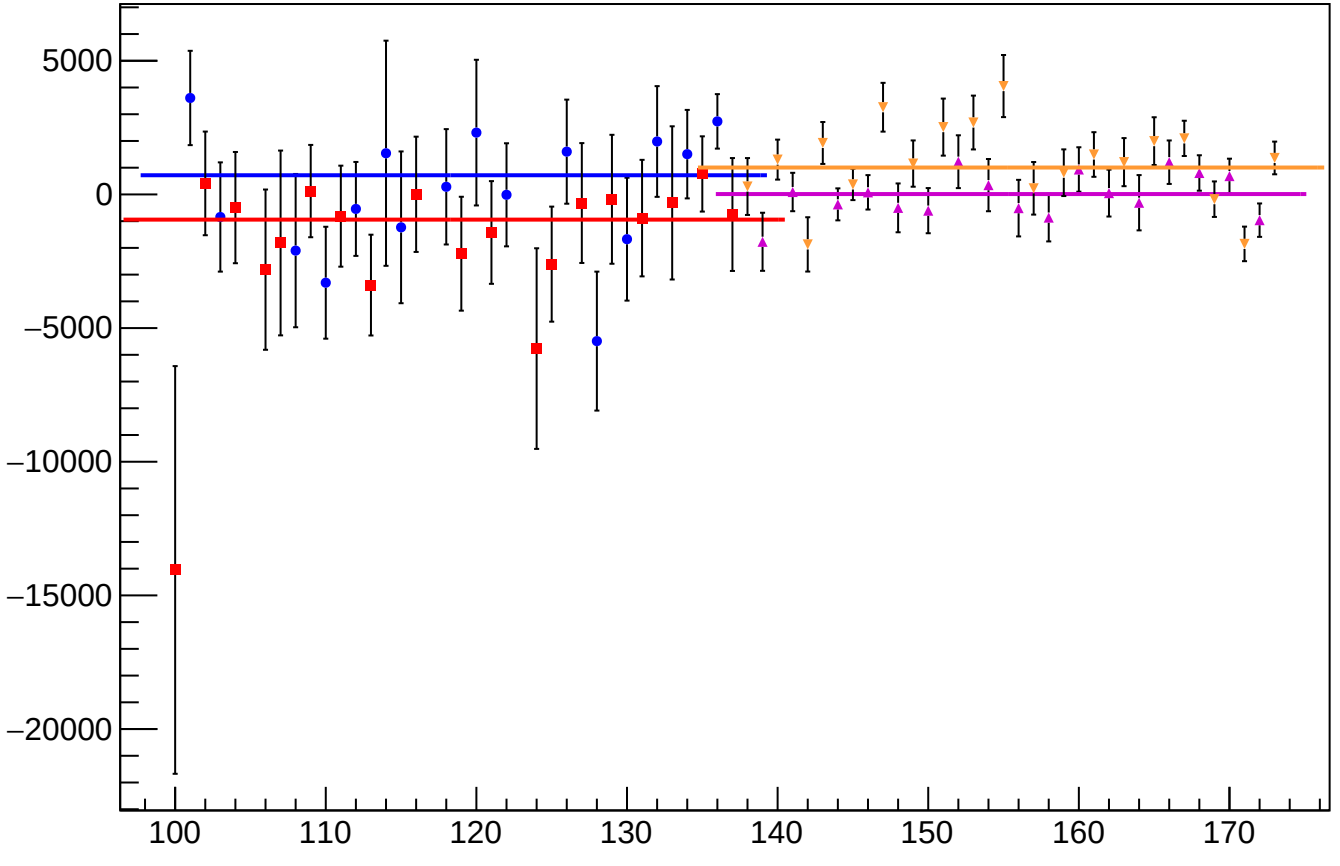
Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 772.547+/-0.125 χ^2/NDF:4141342.2/32

Out: 768.163+/-0.121 χ^2/NDF:4725559.5/37

All: 770.286+/-0.087 χ^2/NDF: 8867533.2/70

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 1006.335+/-185.007 χ^2/NDF:57.0/18

Right Out: -942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: 13.884+/-191.724 χ^2/NDF:15.2/16

Left: 527.798+/-133.131 χ^2/NDF: 86.1/35

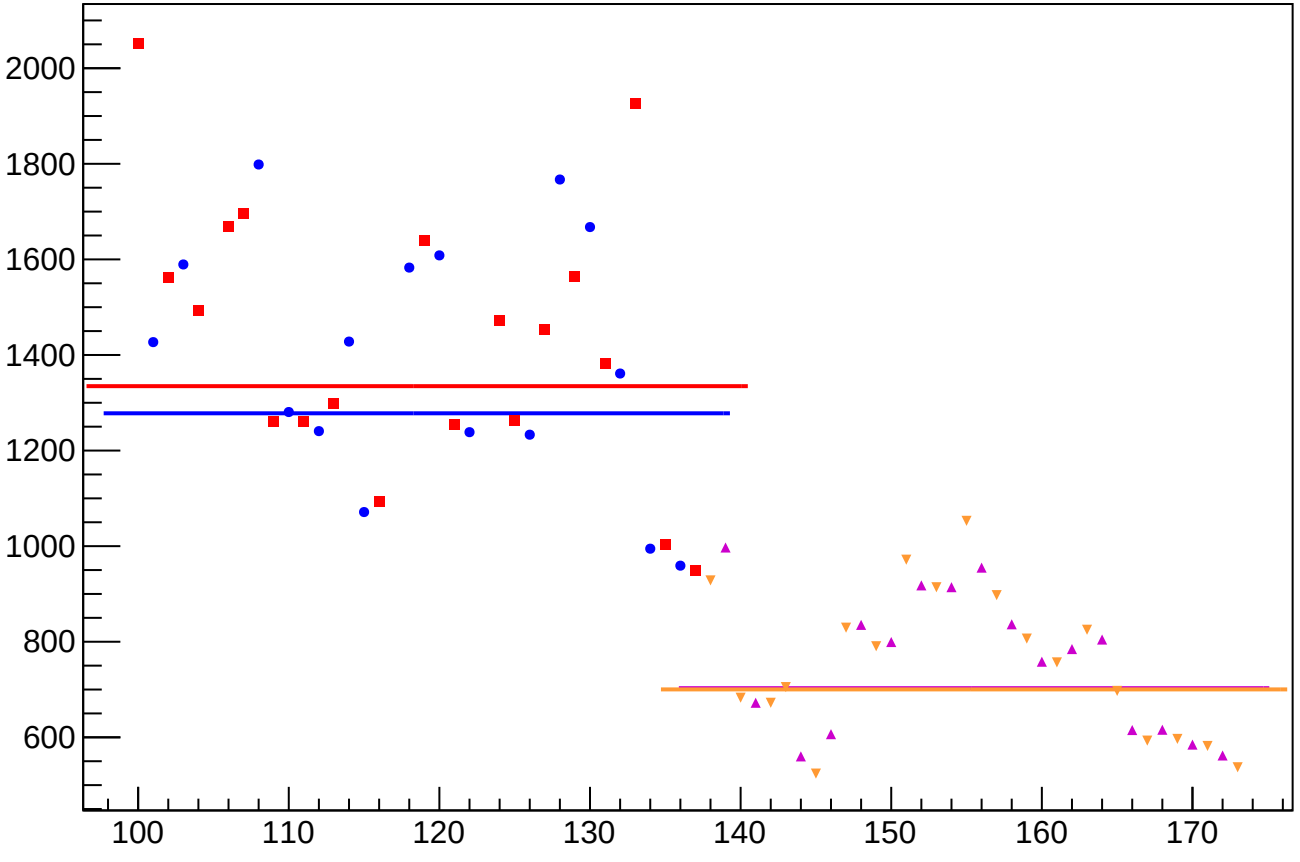
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: 107.902+/-178.458 χ^2/NDF:38.0/32

Out: 770.056+/-173.429 χ^2/NDF:81.1/37

All: 448.441+/-124.372 χ^2/NDF: 126.2/70

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 700.269+/-0.131 χ^2/NDF:1208742.1/18

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 702.909+/-0.136 χ^2/NDF:994521.5/16

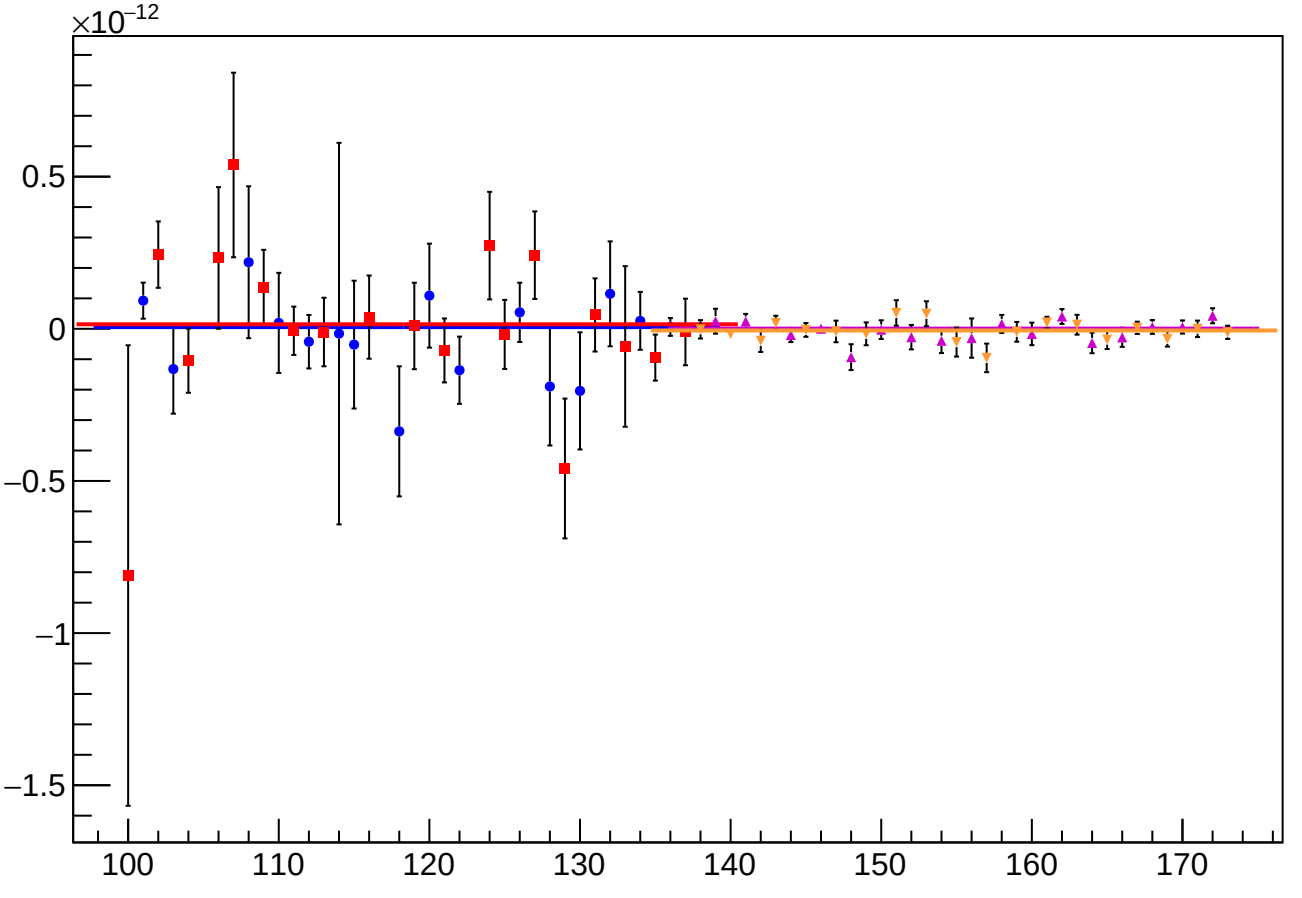
Left: 701.542+/-0.094 χ^2/NDF: 2203460.0/35

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 779.738+/-0.126 χ^2/NDF:3996136.8/32

Out: 777.205+/-0.123 χ^2/NDF:4533081.6/37

All: 778.435+/-0.088 χ^2/NDF: 8529425.7/70



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:17.6/16

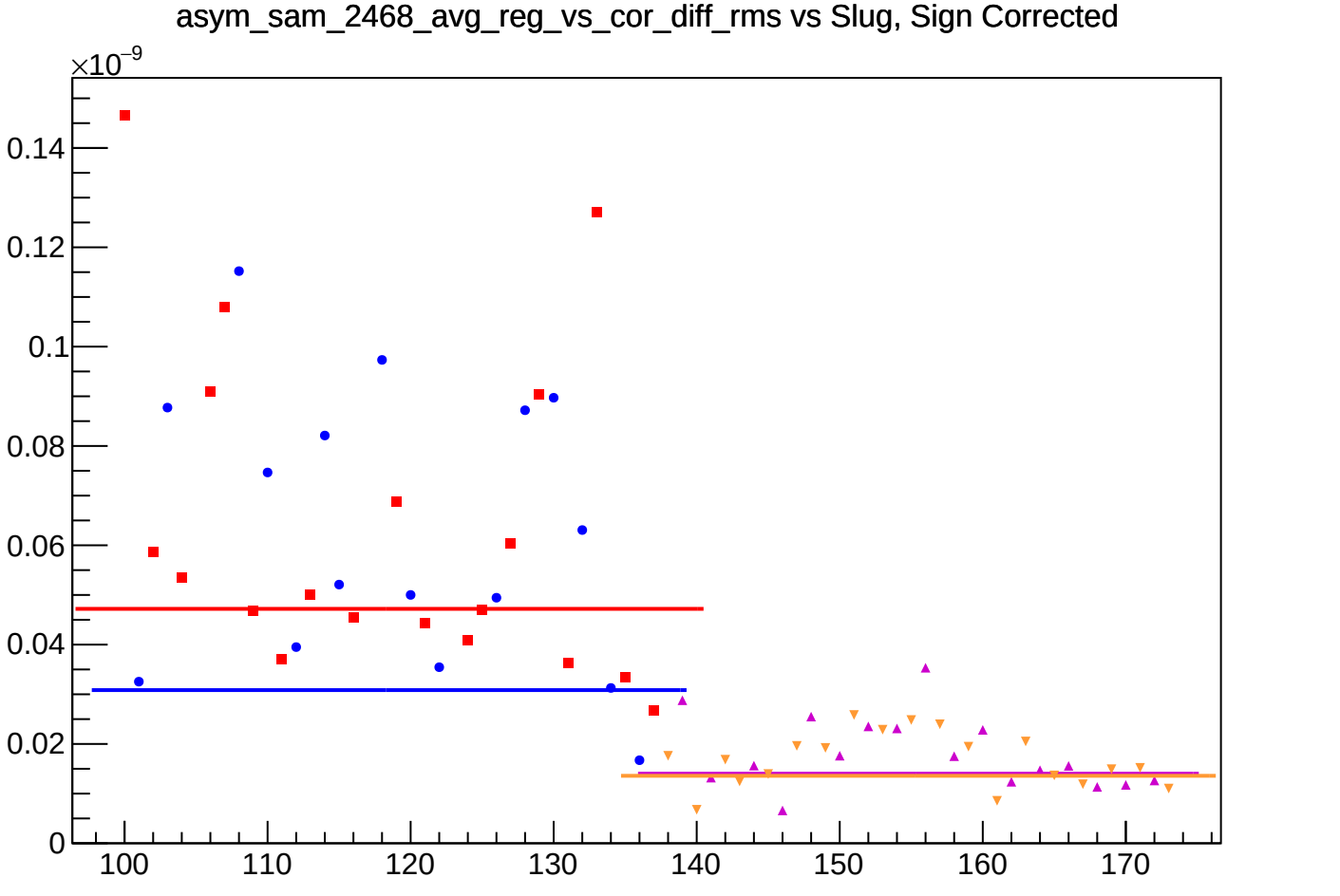
Left: -0.000+/-0.000 χ^2/NDF: 33.3/35

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:29.3/32

Out: -0.000+/-0.000 χ^2/NDF:39.5/37

All: -0.000+/-0.000 χ^2/NDF: 69.2/70



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1394499.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1609328.2/16

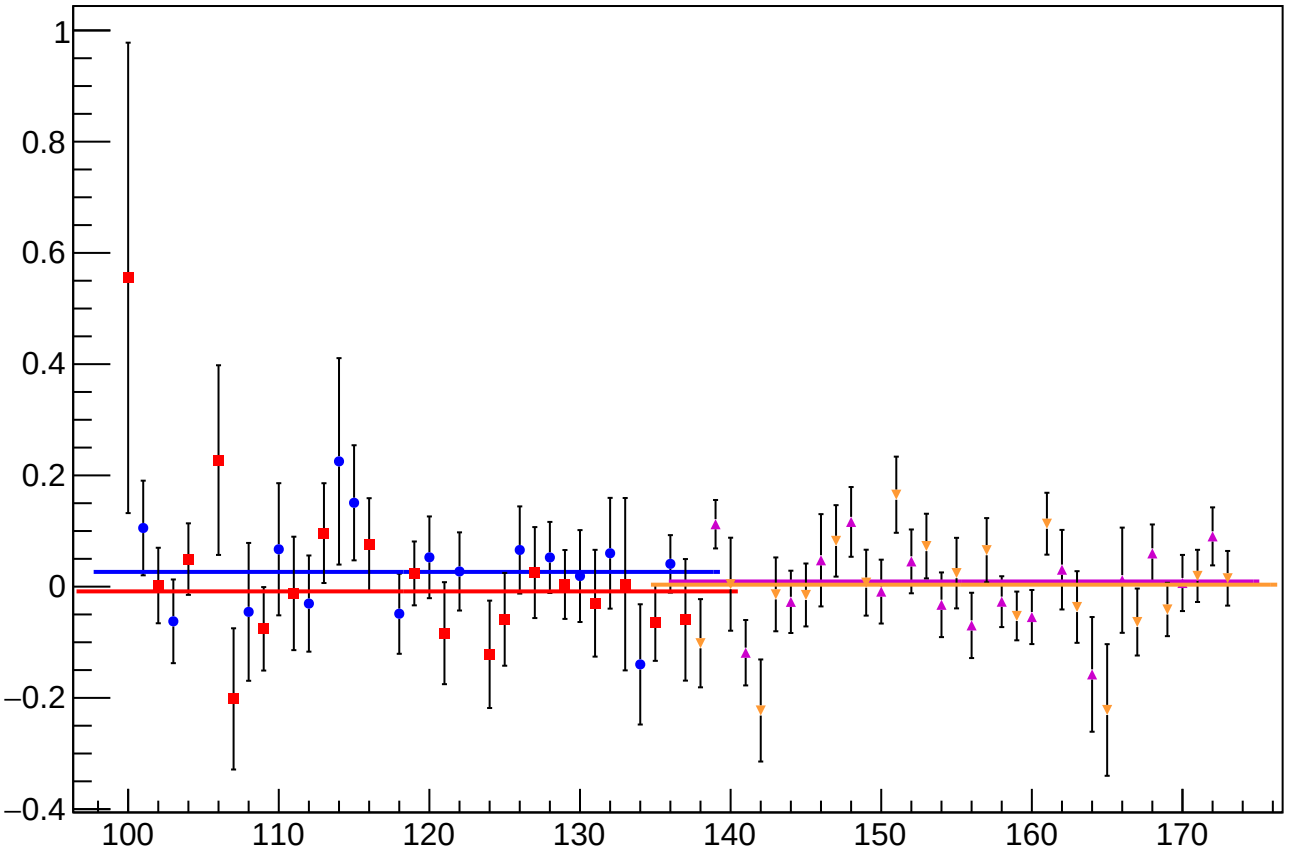
Left: 0.000+/-0.000 χ^2/NDF: 3008480.6/35

Right: 0.000+/-0.000 χ^2/NDF: 3051679.0/34

In: 0.000+/-0.000 χ^2/NDF:4634625.7/32

Out: 0.000+/-0.000 χ^2/NDF:4754392.4/37

All: 0.000+/-0.000 χ^2/NDF: 9393177.1/70



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.004+/-0.014 χ^2/NDF:29.6/18

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.009+/-0.014 χ^2/NDF:25.1/16

Left: 0.006+/-0.010 χ^2/NDF: 54.8/35

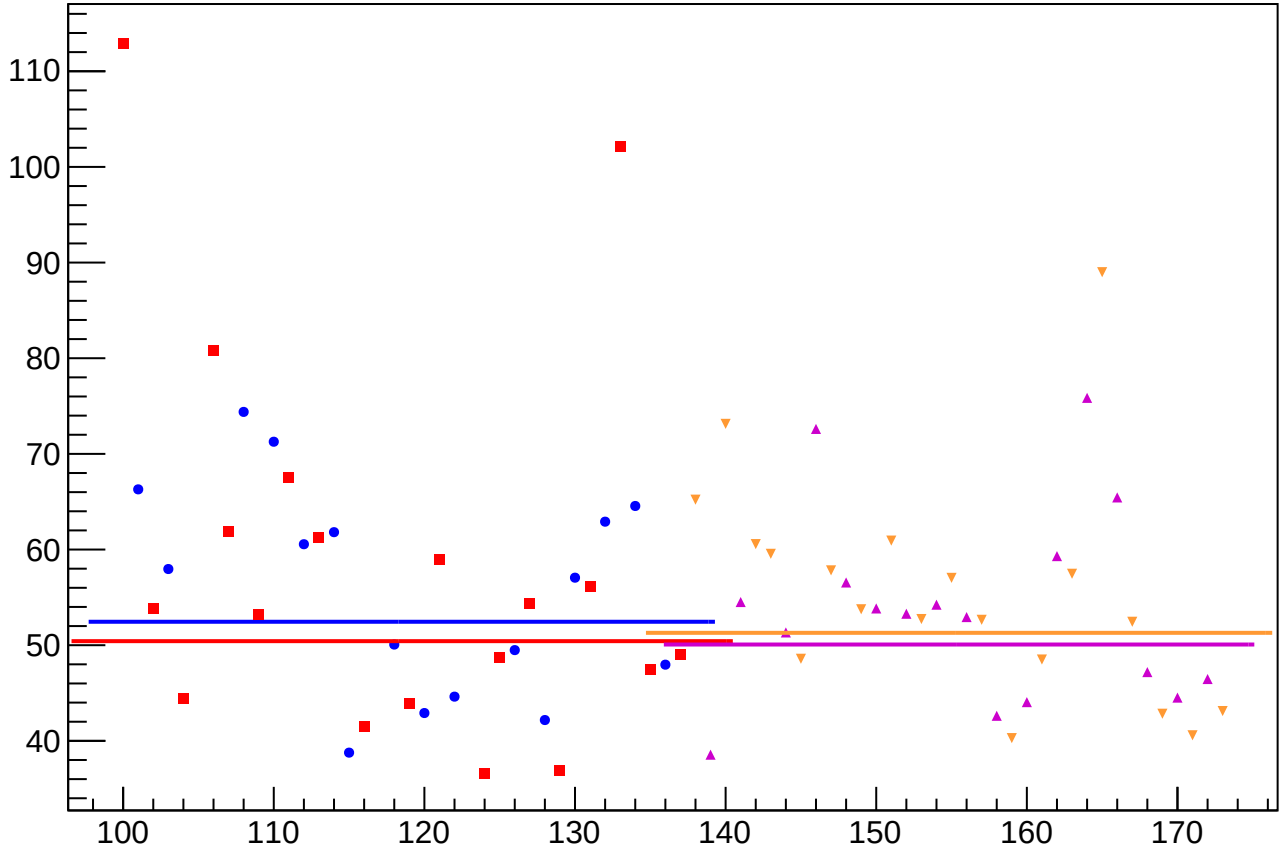
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.011 χ^2/NDF:35.6/32

Out: -0.000+/-0.011 χ^2/NDF:43.8/37

All: 0.007+/-0.008 χ^2/NDF: 80.3/70

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 51.294+/-0.010 χ^2/NDF:912009.5/18

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.071+/-0.010 χ^2/NDF:686242.5/16

Left: 50.690+/-0.007 χ^2/NDF: 1606052.3/35

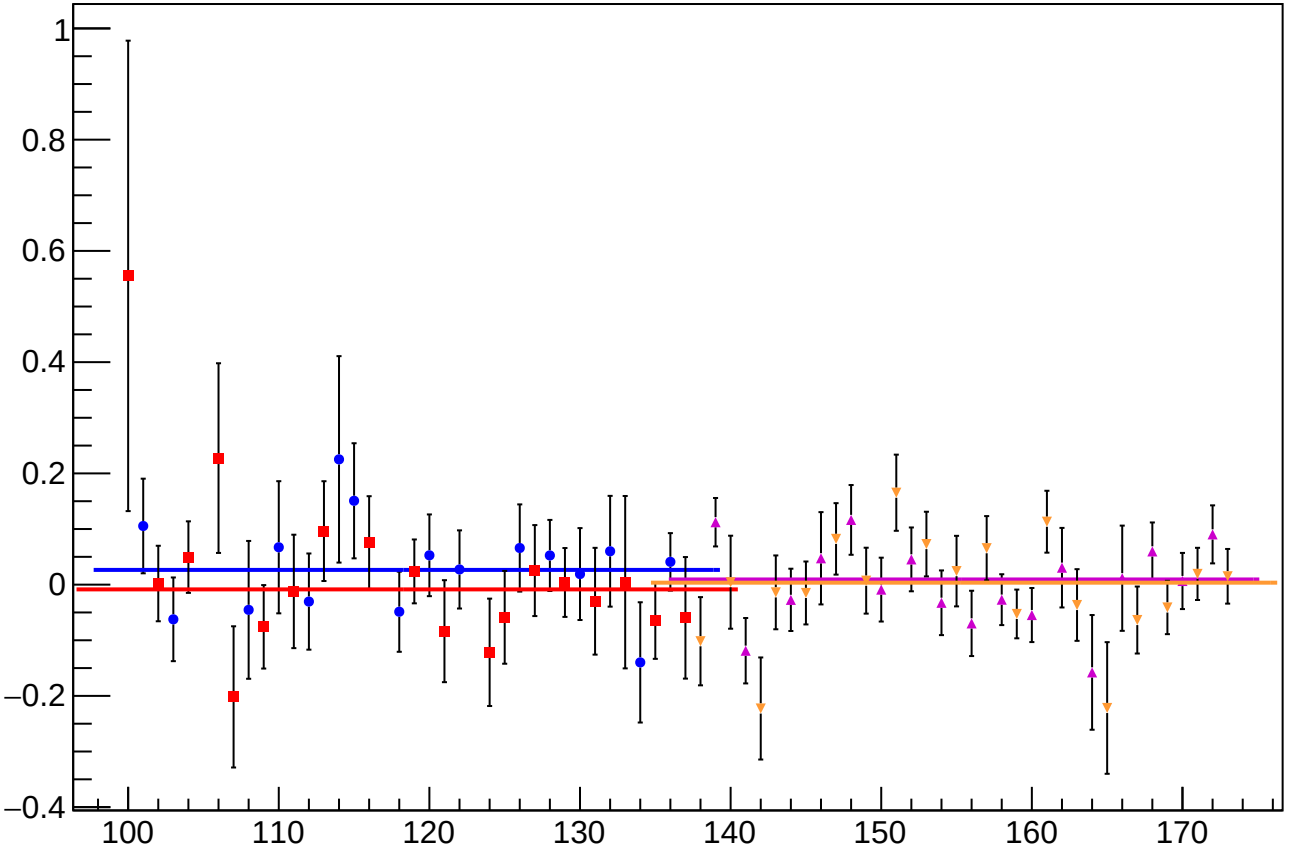
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 50.827+/-0.008 χ^2/NDF:1122820.6/32

Out: 51.004+/-0.008 χ^2/NDF:1591424.4/37

All: 50.918+/-0.006 χ^2/NDF: 2714485.8/70

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.004+/-0.014 χ^2/NDF:29.6/18

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.009+/-0.014 χ^2/NDF:25.1/16

Left: 0.006+/-0.010 χ^2/NDF: 54.8/35

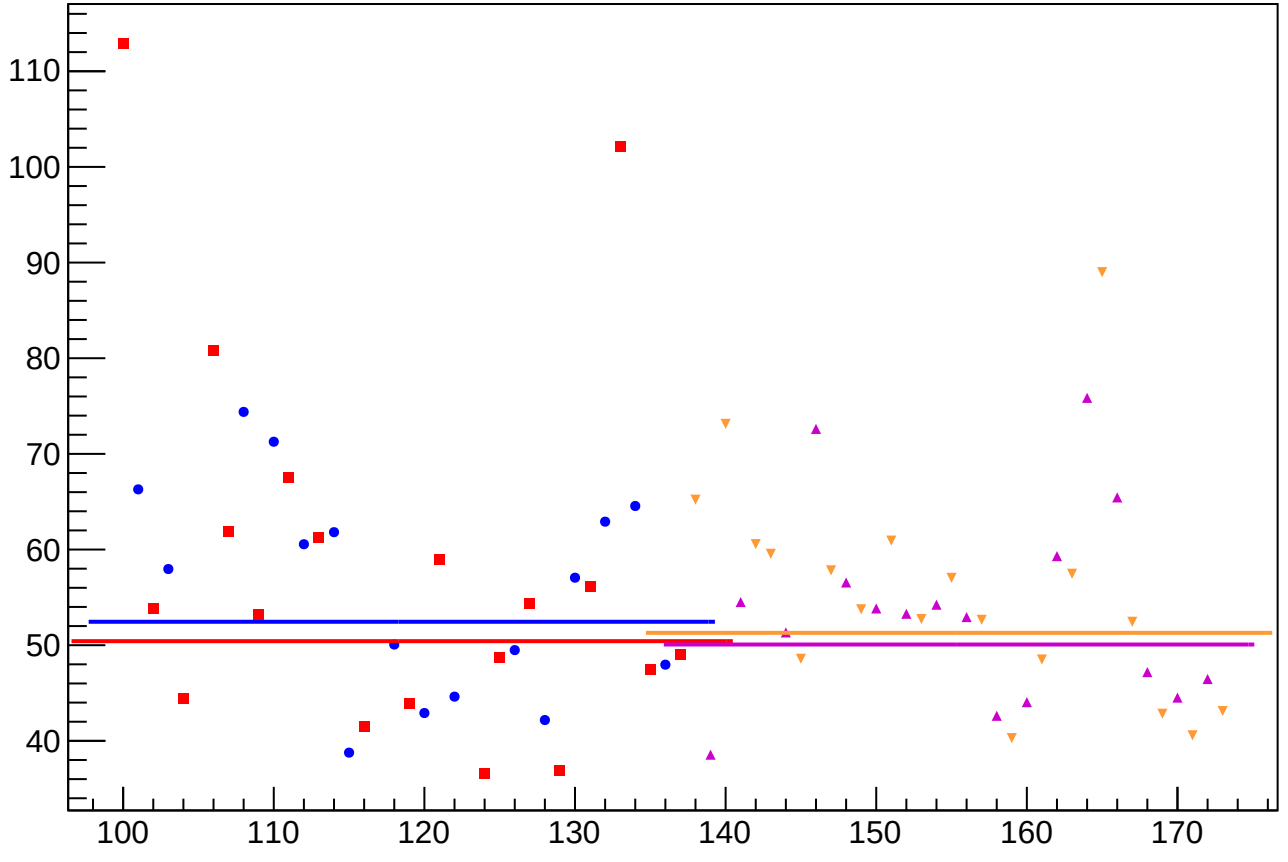
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.011 χ^2/NDF:35.6/32

Out: -0.000+/-0.011 χ^2/NDF:43.8/37

All: 0.007+/-0.008 χ^2/NDF: 80.3/70

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: 51.294+/-0.010 χ^2/NDF:912009.5/18

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.071+/-0.010 χ^2/NDF:686242.5/16

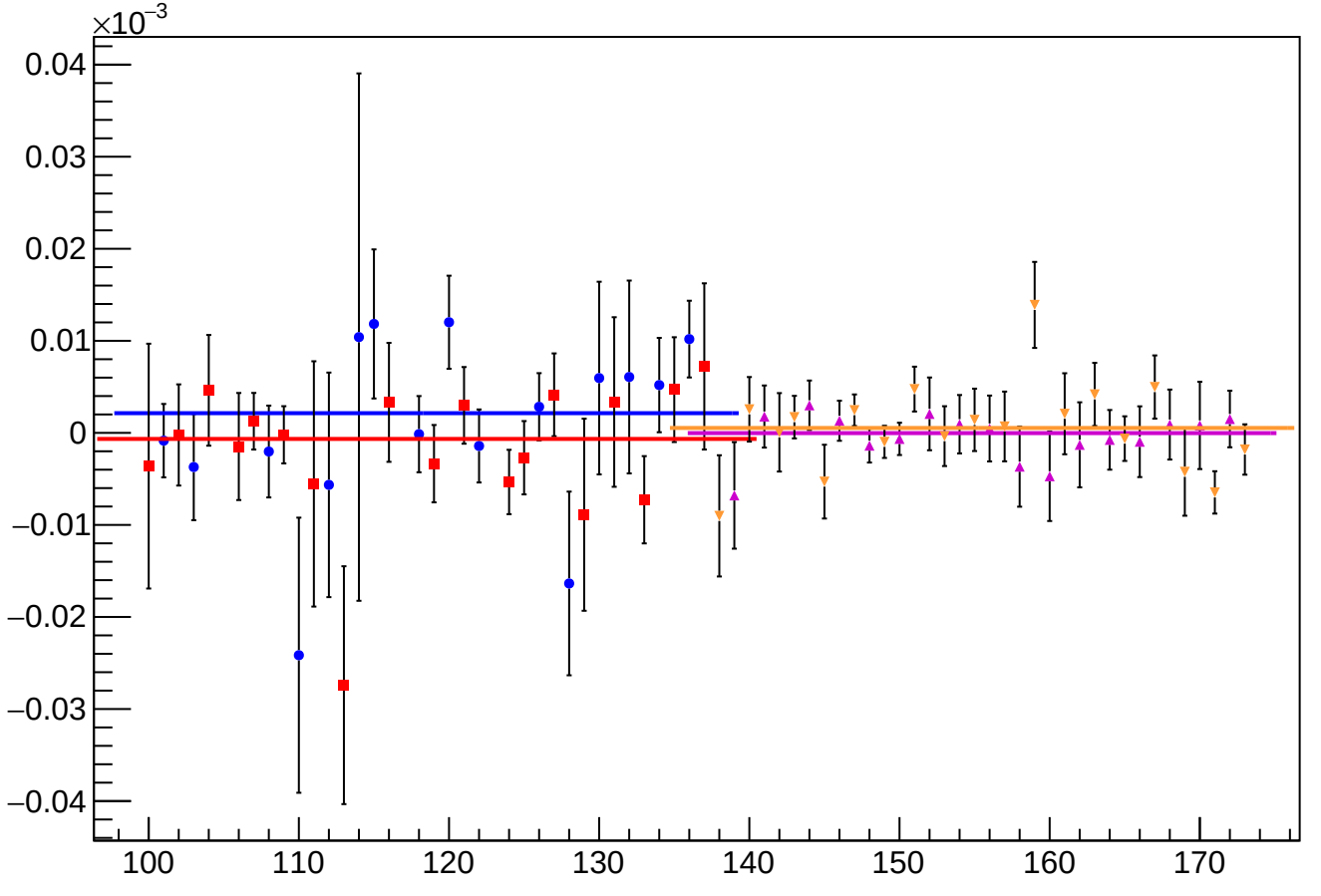
Left: 50.690+/-0.007 χ^2/NDF: 1606052.3/35

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 50.827+/-0.008 χ^2/NDF:1122820.6/32

Out: 51.004+/-0.008 χ^2/NDF:1591424.4/37

All: 50.918+/-0.006 χ^2/NDF: 2714485.8/70



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/16

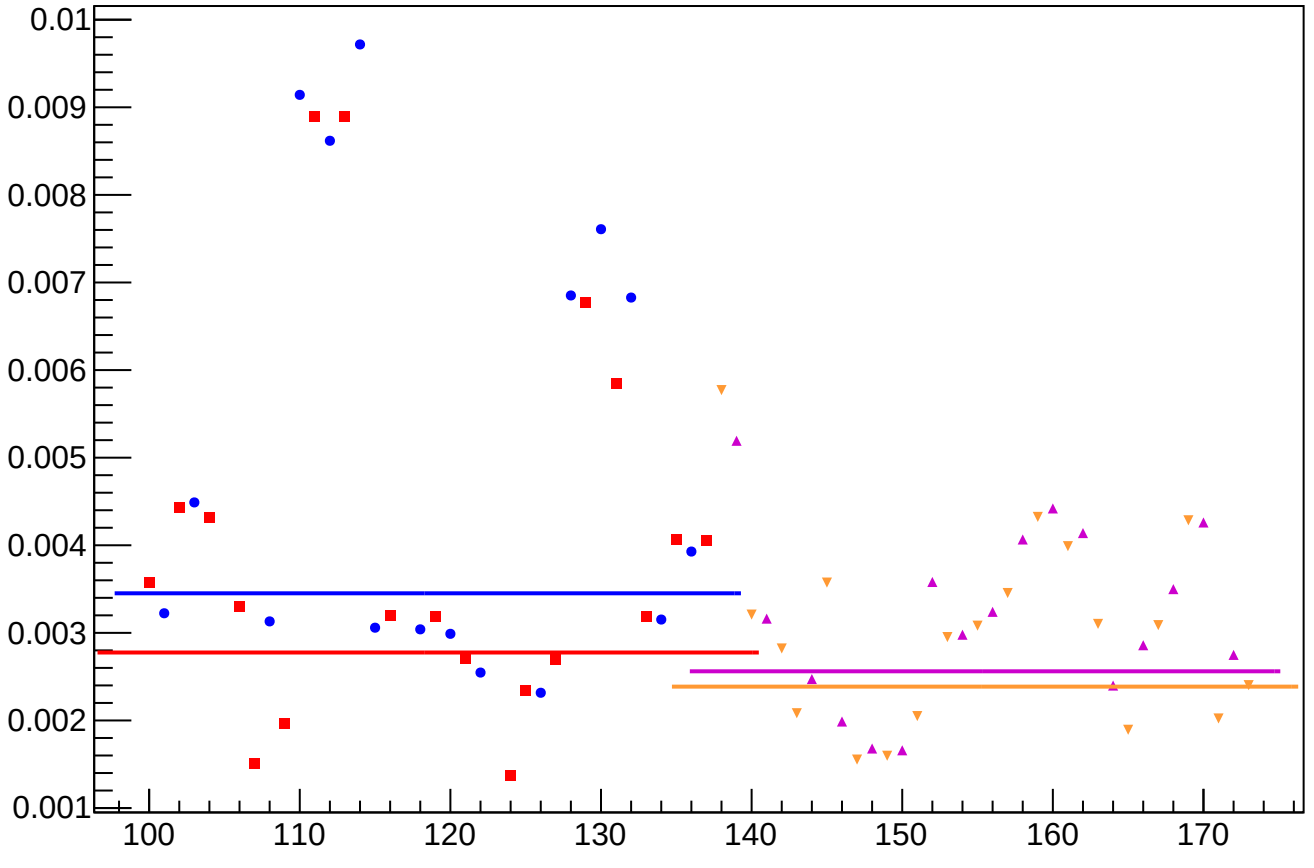
Left: 0.000+/-0.000 χ^2/NDF: 39.2/35

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:28.5/32

Out: 0.000+/-0.000 χ^2/NDF:48.0/37

All: 0.000+/-0.000 χ^2/NDF: 76.5/70



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3324185.1/18

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3015527.8/16

Left: 0.002+/-0.000 χ^2/NDF: 6402630.7/35

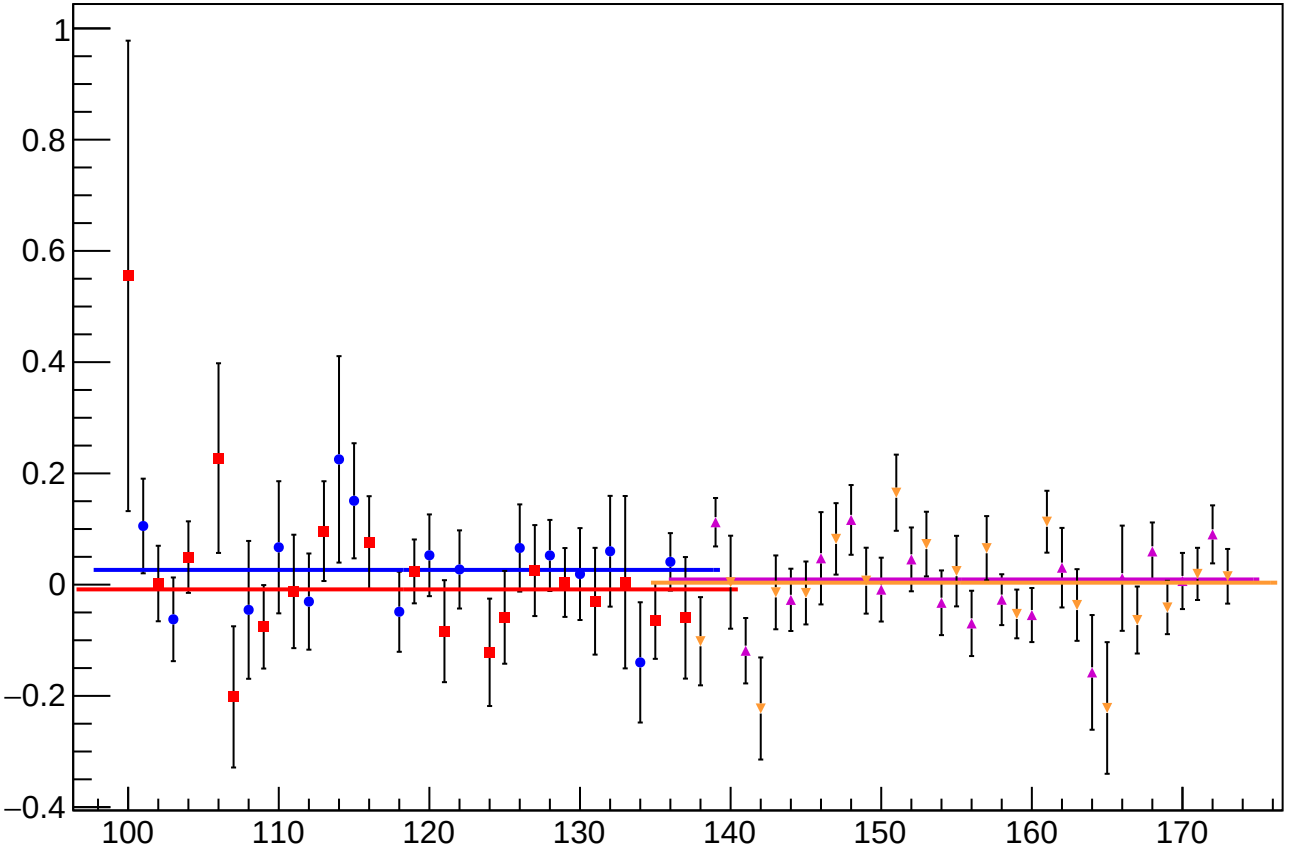
Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:5611402.1/32

Out: 0.002+/-0.000 χ^2/NDF:6232260.0/37

All: 0.003+/-0.000 χ^2/NDF: 12044049.5/70

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: 0.004+/-0.014 χ^2/NDF:29.6/18

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.009+/-0.014 χ^2/NDF:25.1/16

Left: 0.006+/-0.010 χ^2/NDF: 54.8/35

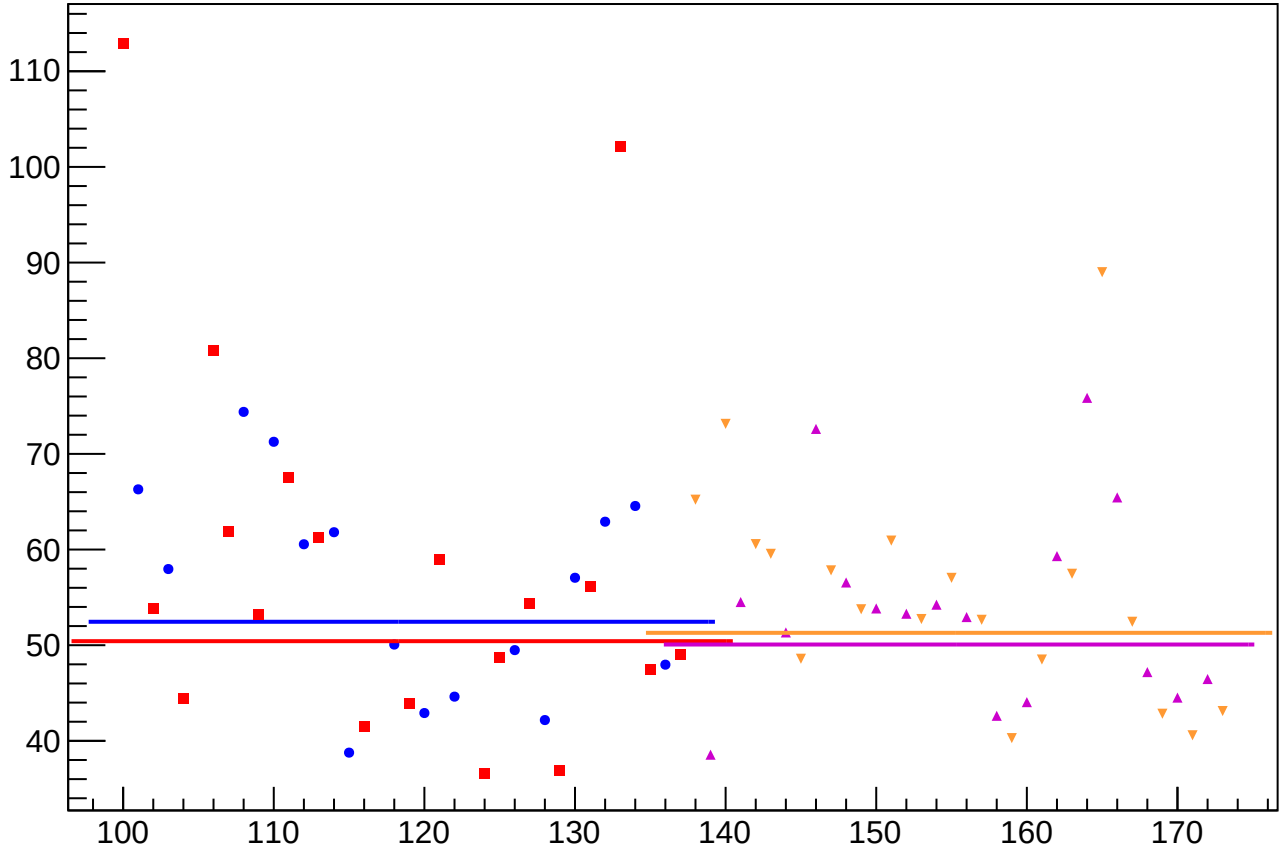
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.011 χ^2/NDF:35.6/32

Out: -0.000+/-0.011 χ^2/NDF:43.8/37

All: 0.007+/-0.008 χ^2/NDF: 80.3/70

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 51.294+/-0.010 χ^2/NDF:912025.7/18

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.072+/-0.010 χ^2/NDF:686319.2/16

Left: 50.690+/-0.007 χ^2/NDF: 1606146.0/35

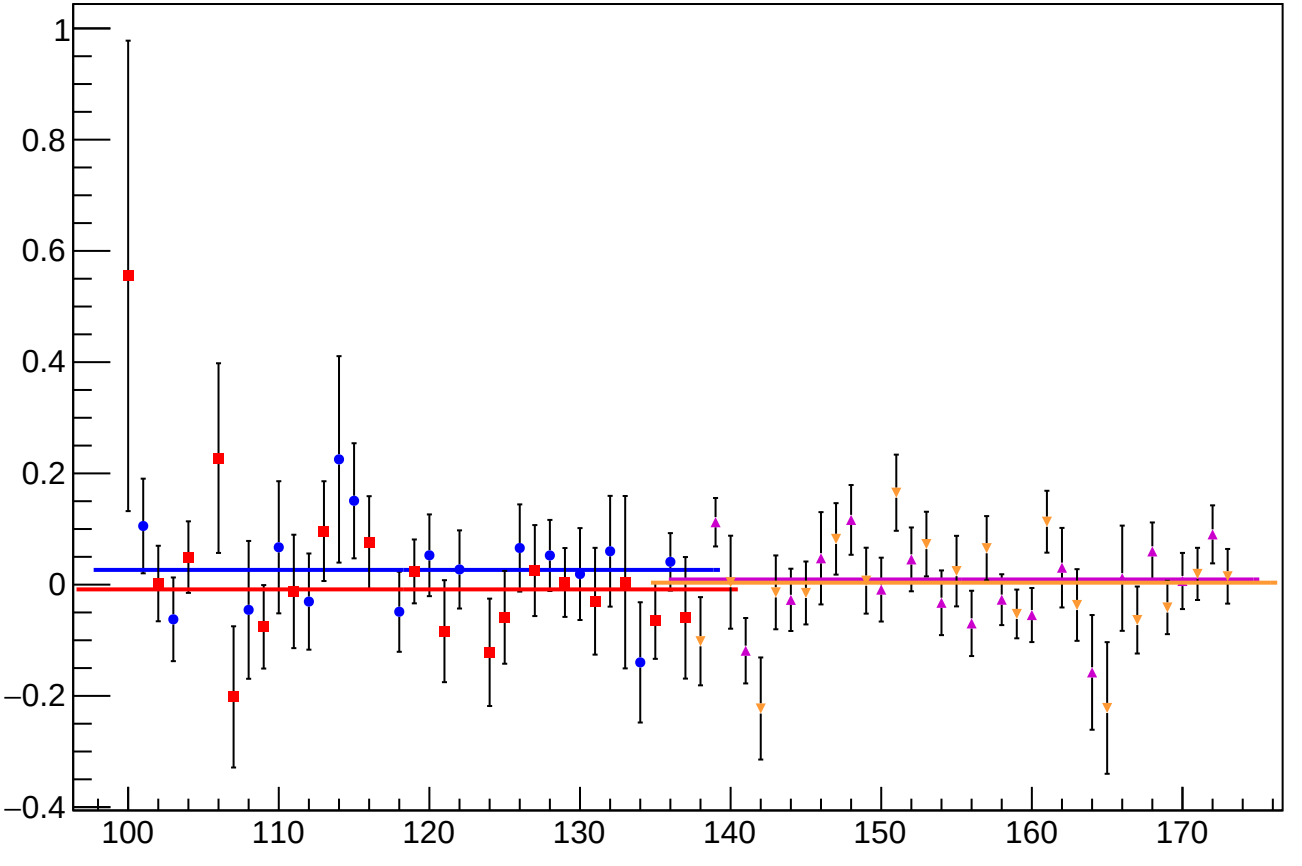
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 50.827+/-0.008 χ^2/NDF:1122828.6/32

Out: 51.004+/-0.008 χ^2/NDF:1591455.8/37

All: 50.918+/-0.006 χ^2/NDF: 2714525.3/70

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.004+/-0.014 χ^2/NDF:29.6/18

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.009+/-0.014 χ^2/NDF:25.1/16

Left: 0.006+/-0.010 χ^2/NDF: 54.8/35

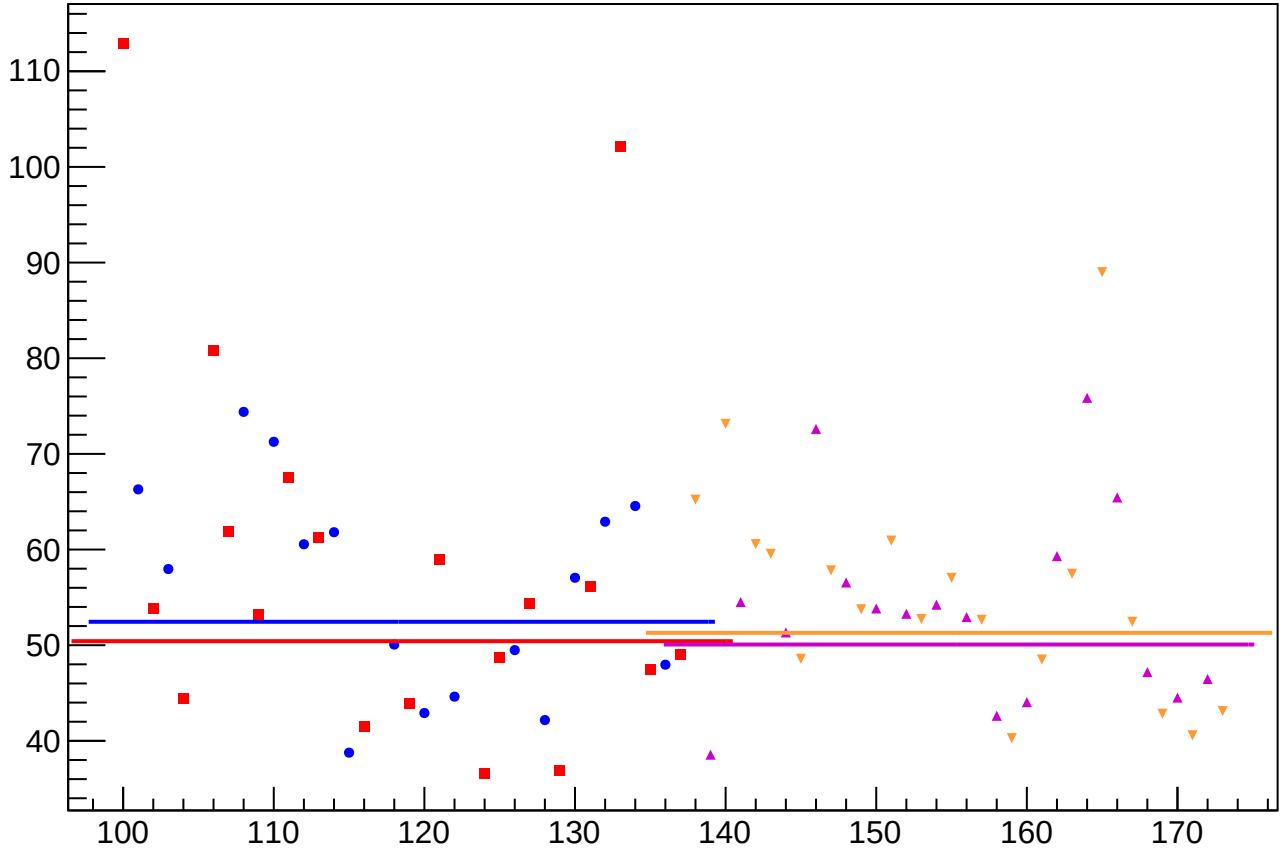
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.011 χ^2/NDF:35.6/32

Out: -0.000+/-0.011 χ^2/NDF:43.8/37

All: 0.007+/-0.008 χ^2/NDF: 80.3/70

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 51.294+/-0.010 χ^2/NDF:912025.7/18

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.072+/-0.010 χ^2/NDF:686319.2/16

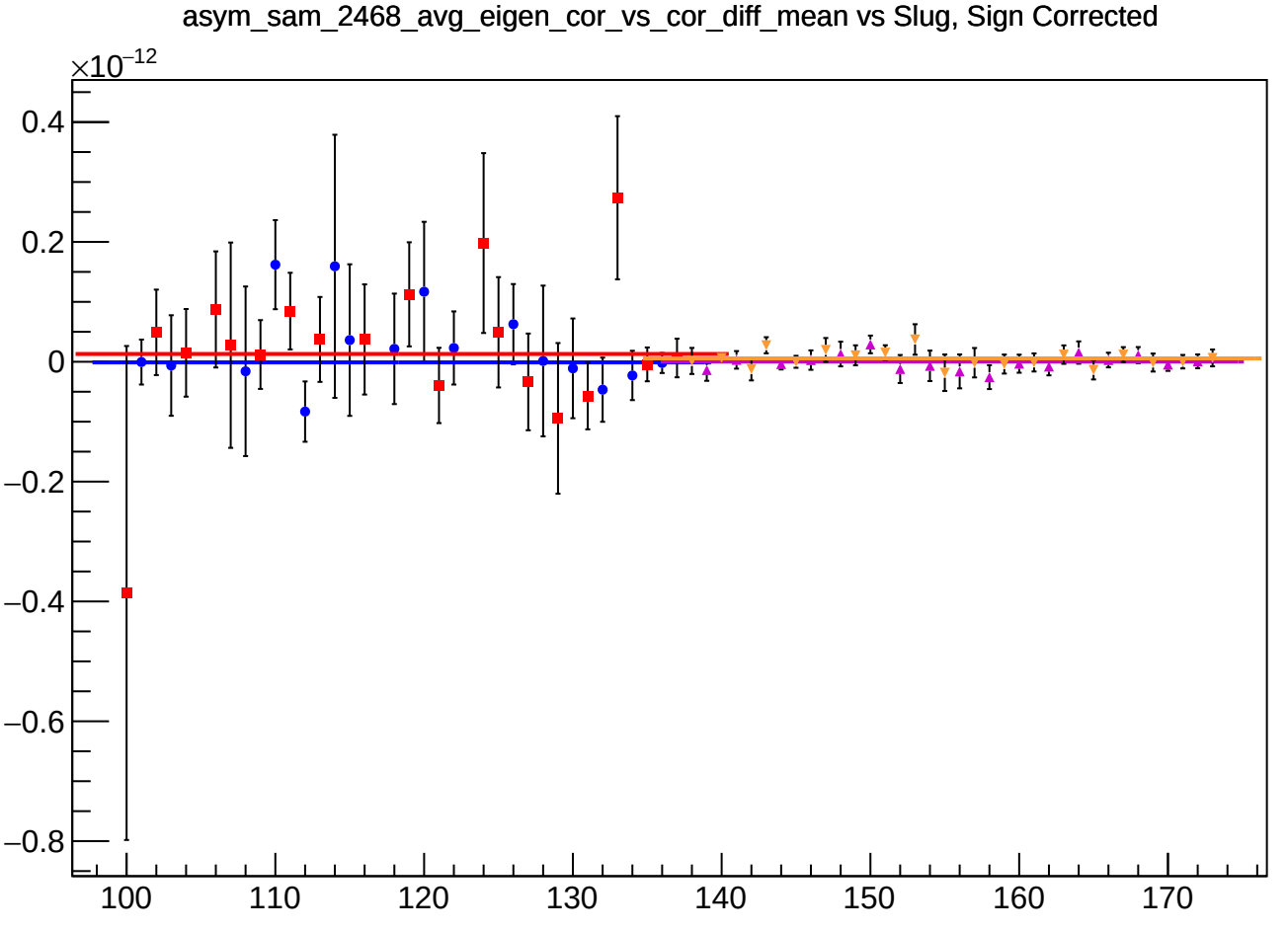
Left: 50.690+/-0.007 χ^2/NDF: 1606146.0/35

Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 50.827+/-0.008 χ^2/NDF:1122828.6/32

Out: 51.004+/-0.008 χ^2/NDF:1591455.8/37

All: 50.918+/-0.006 χ^2/NDF: 2714525.3/70



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/16

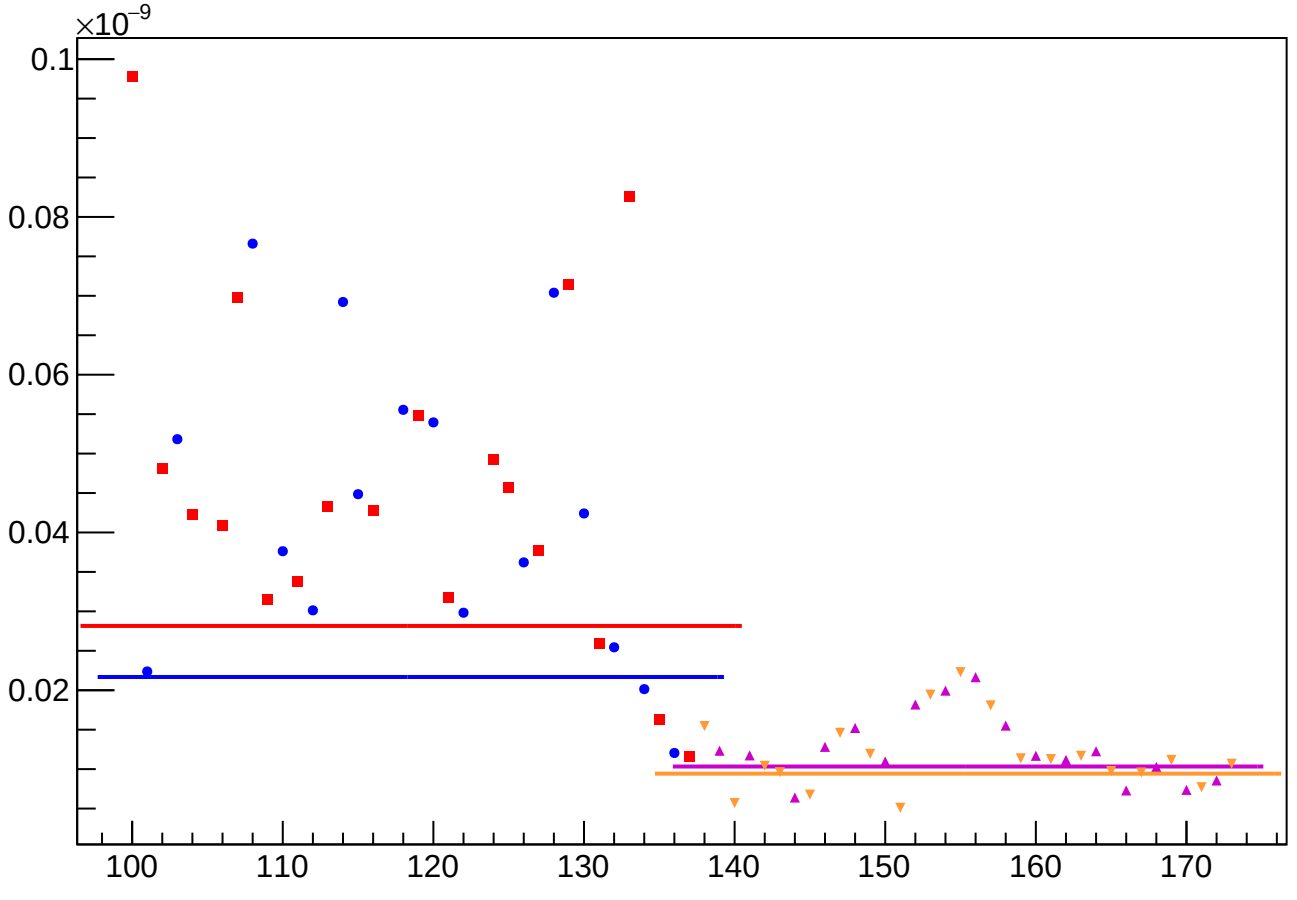
Left: 0.000+/-0.000 χ^2/NDF: 20.8/35

Right: 0.000+/-0.000 χ^2/NDF: 25.5/34

In: 0.000+/-0.000 χ^2/NDF:20.6/32

Out: 0.000+/-0.000 χ^2/NDF:24.1/37

All: 0.000+/-0.000 χ^2/NDF: 46.3/70



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2249755.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1923784.1/16

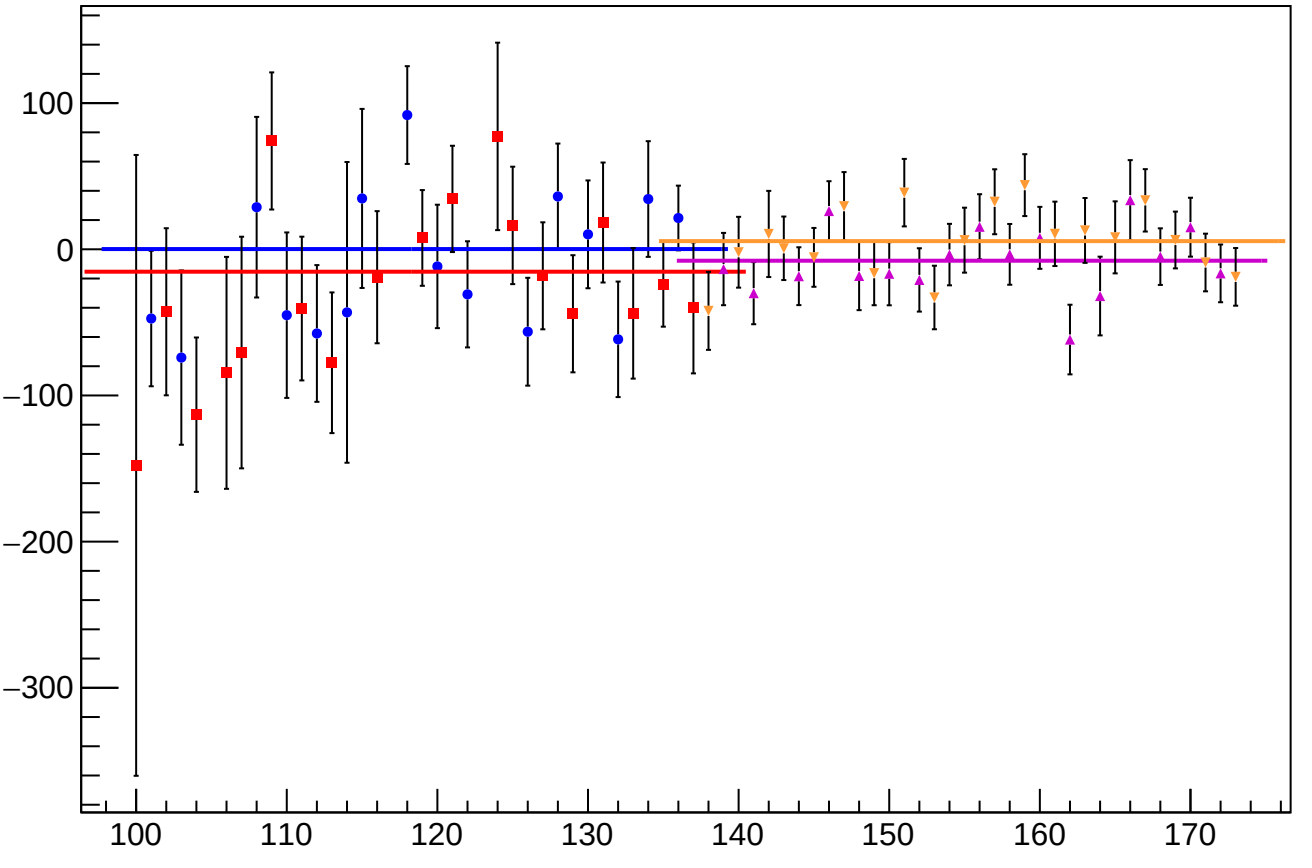
Left: 0.000+/-0.000 χ^2/NDF: 4243311.2/35

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:6094640.7/32

Out: 0.000+/-0.000 χ^2/NDF:7804528.7/37

All: 0.000+/-0.000 χ^2/NDF: 13975376.5/70



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 5.591+/-5.079 χ^2/NDF:19.7/18

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -7.819+/-5.279 χ^2/NDF:16.4/16

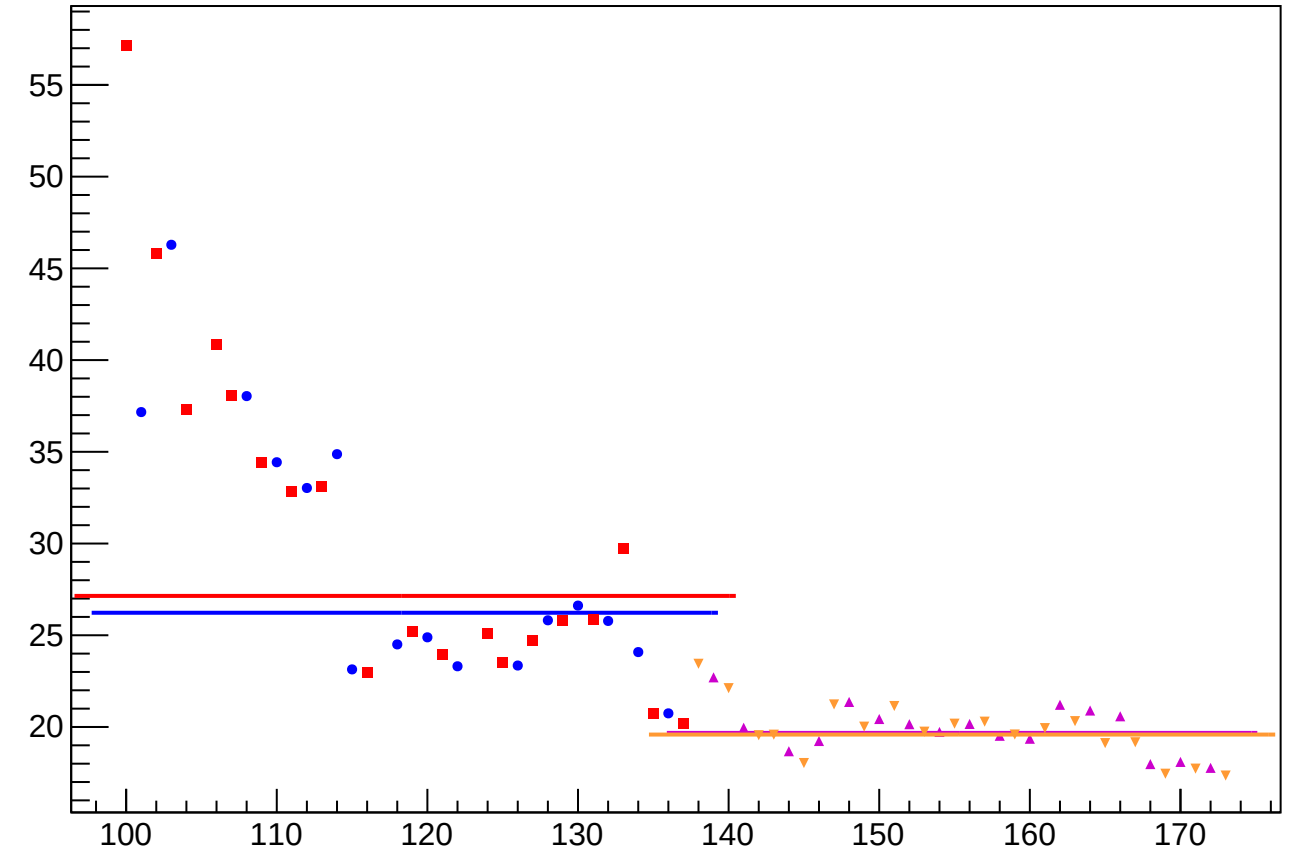
Left: -0.855+/-3.660 χ^2/NDF: 39.4/35

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -6.094+/-4.673 χ^2/NDF:38.2/32

Out: 1.477+/-4.552 χ^2/NDF:40.9/37

All: -2.209+/-3.261 χ^2/NDF: 80.5/70



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 19.587+/-0.004 χ^2/NDF:170519.9/18

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 19.678+/-0.004 χ^2/NDF:112618.7/16

Left: 19.631+/-0.003 χ^2/NDF: 283446.4/35

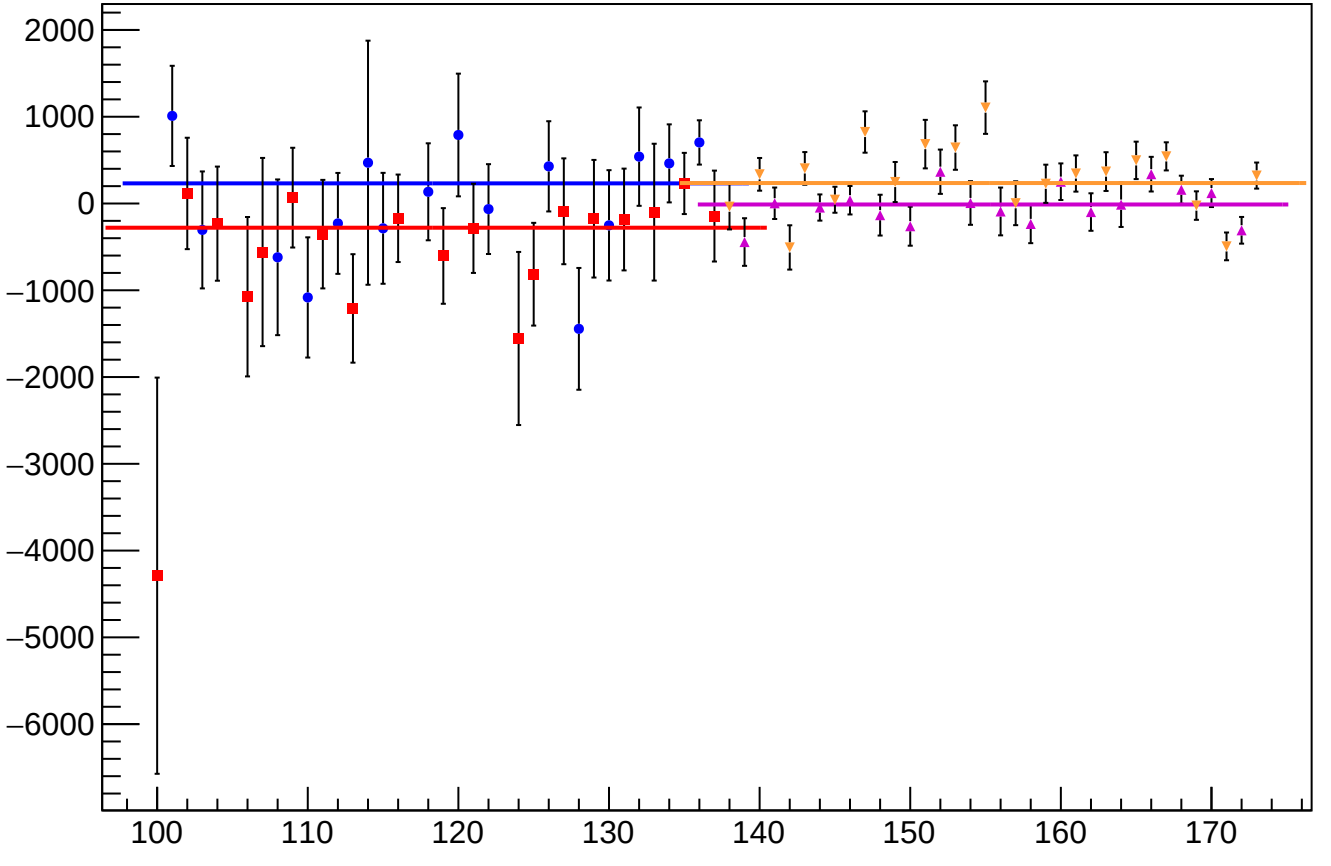
Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 21.094+/-0.003 χ^2/NDF:1454564.2/32

Out: 21.073+/-0.003 χ^2/NDF:1796795.6/37

All: 21.083+/-0.002 χ^2/NDF: 3251381.5/70

asym_sam_1357_2468_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 235.885+/-46.349 χ^2/NDF:61.9/18

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: -11.276+/-48.202 χ^2/NDF:17.7/16

Left: 117.146+/-33.409 χ^2/NDF: 93.3/35

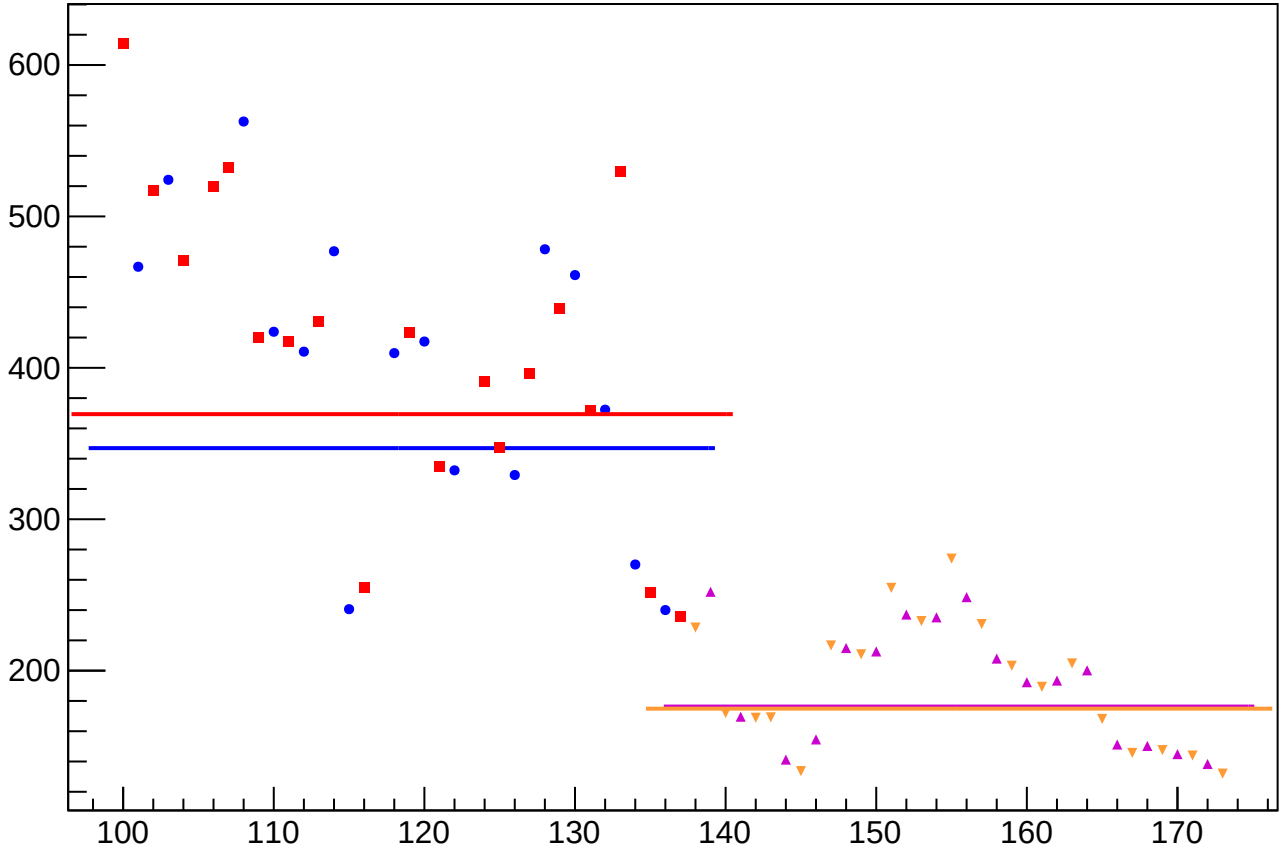
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: 16.288+/-45.390 χ^2/NDF:40.3/32

Out: 185.000+/-43.999 χ^2/NDF:86.2/37

All: 103.268+/-31.592 χ^2/NDF: 133.6/70

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: 174.907+/-0.033 χ^2/NDF:1364639.0/18

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 176.284+/-0.034 χ^2/NDF:1128623.9/16

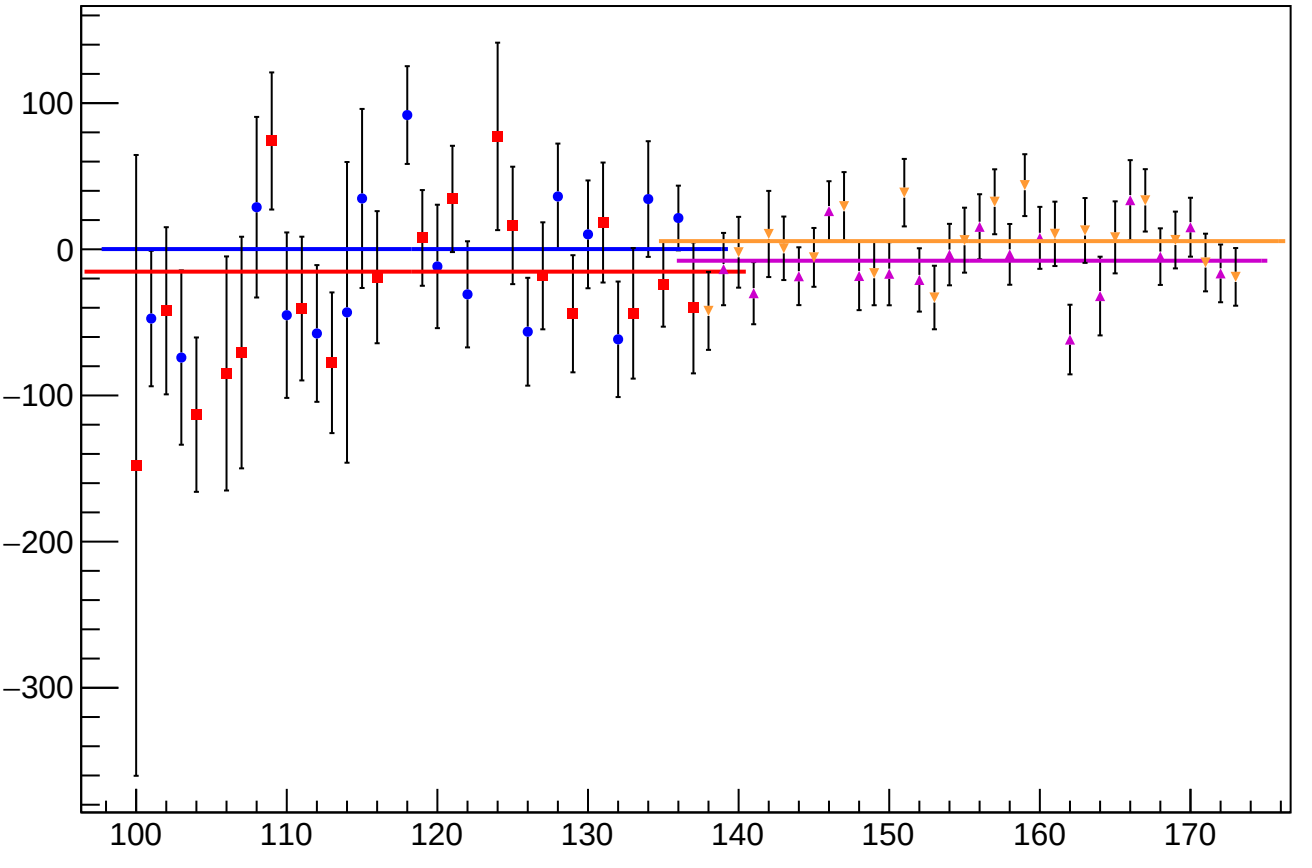
Left: 175.568+/-0.024 χ^2/NDF: 2494111.0/35

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 195.616+/-0.032 χ^2/NDF:5027075.5/32

Out: 194.127+/-0.031 χ^2/NDF:5764123.1/37

All: 194.848+/-0.022 χ^2/NDF: 10792307.1/70



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 5.590+/-5.079 χ^2/NDF:19.7/18

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -7.819+/-5.279 χ^2/NDF:16.4/16

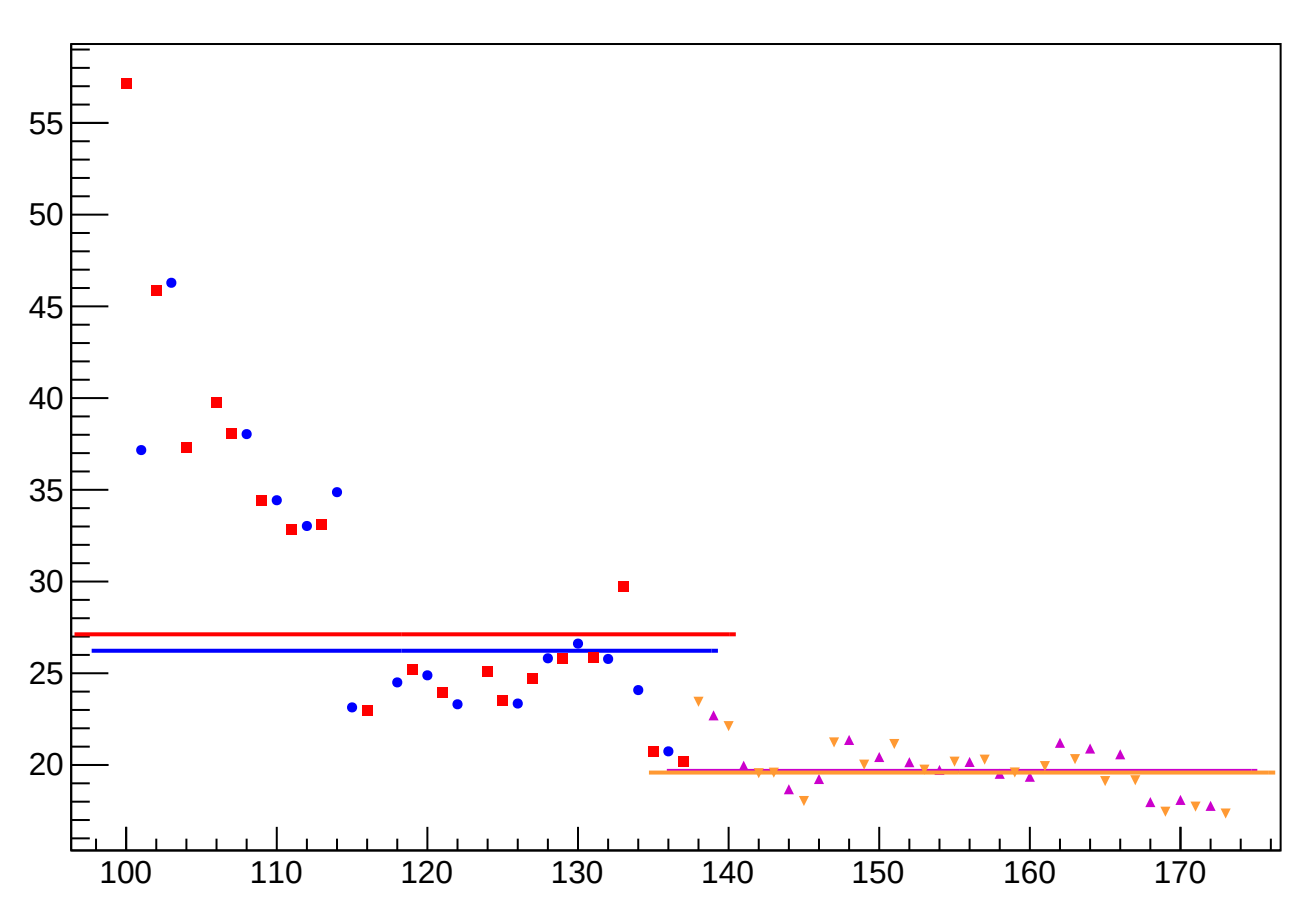
Left: -0.856+/-3.660 χ^2/NDF: 39.4/35

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -6.094+/-4.673 χ^2/NDF:38.2/32

Out: 1.486+/-4.552 χ^2/NDF:40.9/37

All: -2.205+/-3.261 χ^2/NDF: 80.5/70



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.587+/-0.004 χ^2/NDF:170519.9/18

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.678+/-0.004 χ^2/NDF:112618.7/16

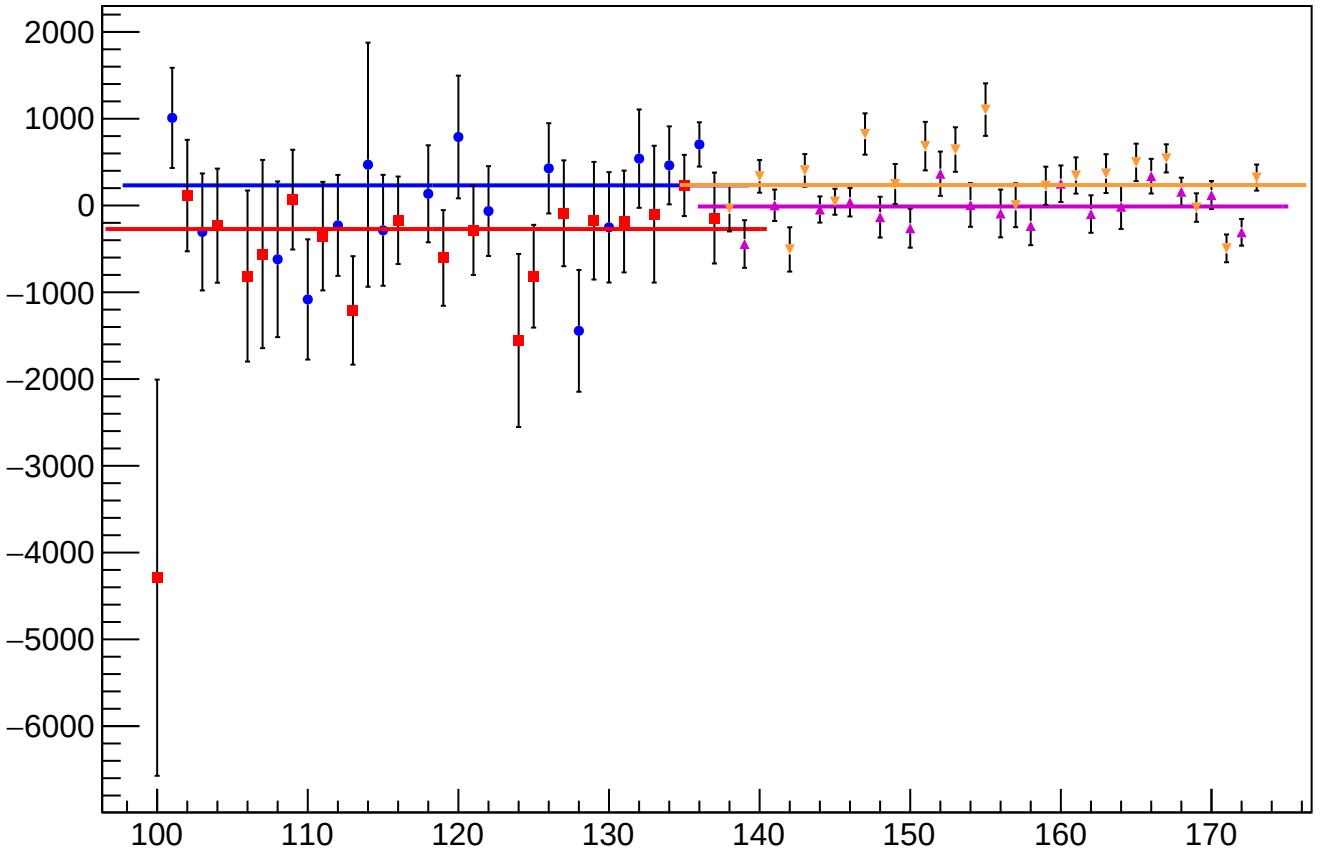
Left: 19.631+/-0.003 χ^2/NDF: 283446.4/35

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 21.094+/-0.003 χ^2/NDF:1454567.5/32

Out: 21.068+/-0.003 χ^2/NDF:1781777.7/37

All: 21.081+/-0.002 χ^2/NDF: 3236377.5/70



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 235.884+/-46.349 χ^2/NDF:61.9/18

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -11.277+/-48.202 χ^2/NDF:17.7/16

Left: 117.146+/-33.409 χ^2/NDF: 93.3/35

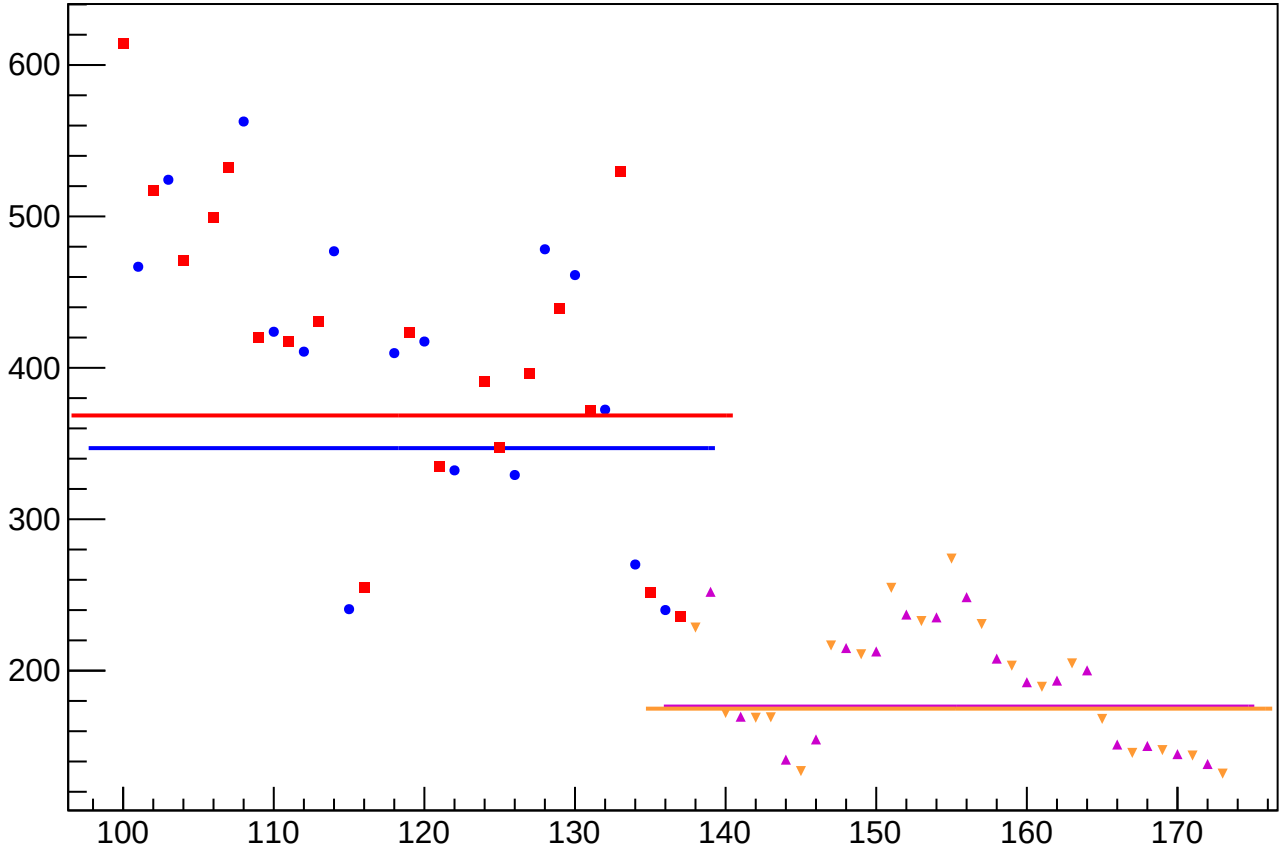
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 16.287+/-45.390 χ^2/NDF:40.3/32

Out: 185.893+/-44.006 χ^2/NDF:85.4/37

All: 103.715+/-31.595 χ^2/NDF: 132.8/70

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: 174.906+/-0.033 χ^2/NDF:1364641.4/18

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 176.284+/-0.034 χ^2/NDF:1128619.8/16

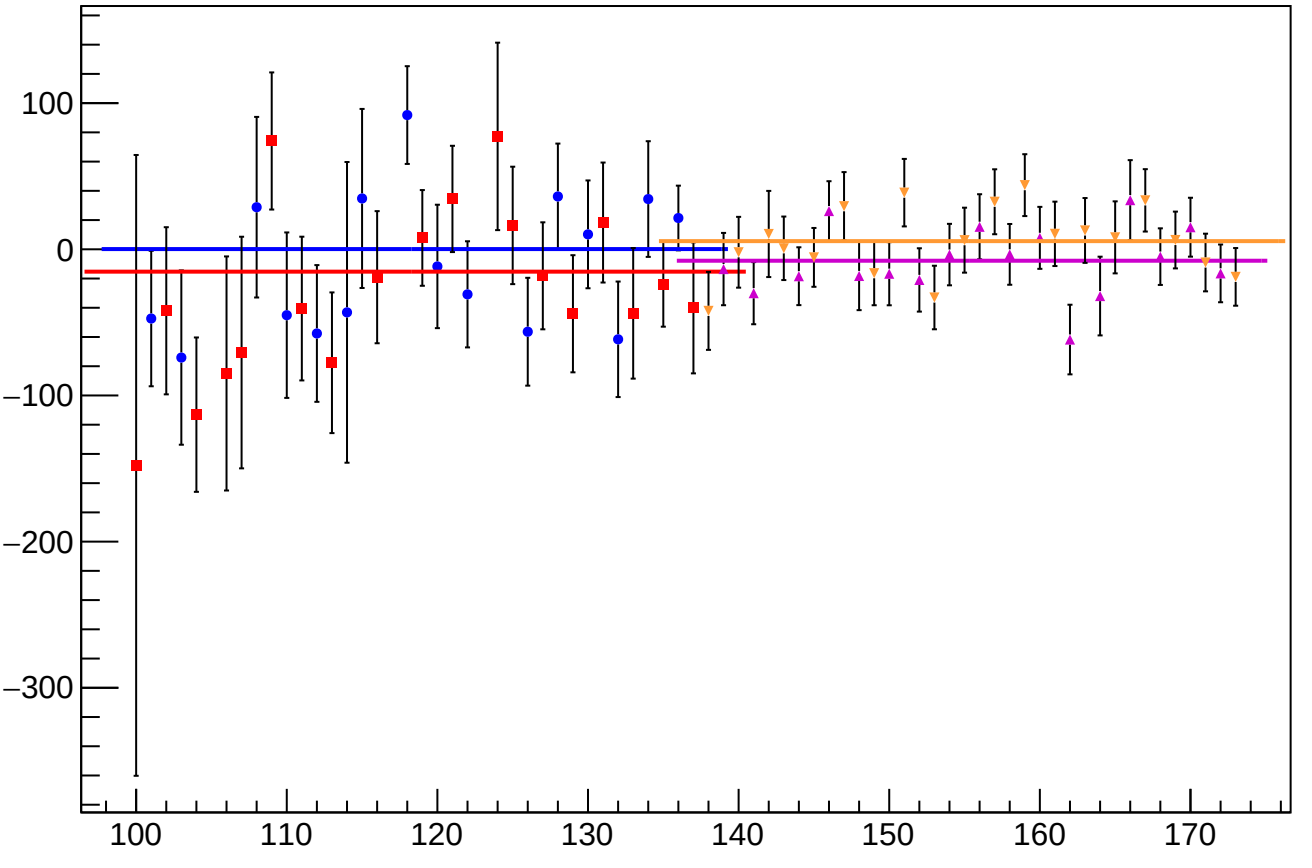
Left: 175.568+/-0.024 χ^2/NDF: 2494109.5/35

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 195.616+/-0.032 χ^2/NDF:5027092.4/32

Out: 193.988+/-0.031 χ^2/NDF:5704890.3/37

All: 194.777+/-0.022 χ^2/NDF: 10733308.1/70



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 5.590+/-5.079 χ^2/NDF:19.7/18

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -7.819+/-5.279 χ^2/NDF:16.4/16

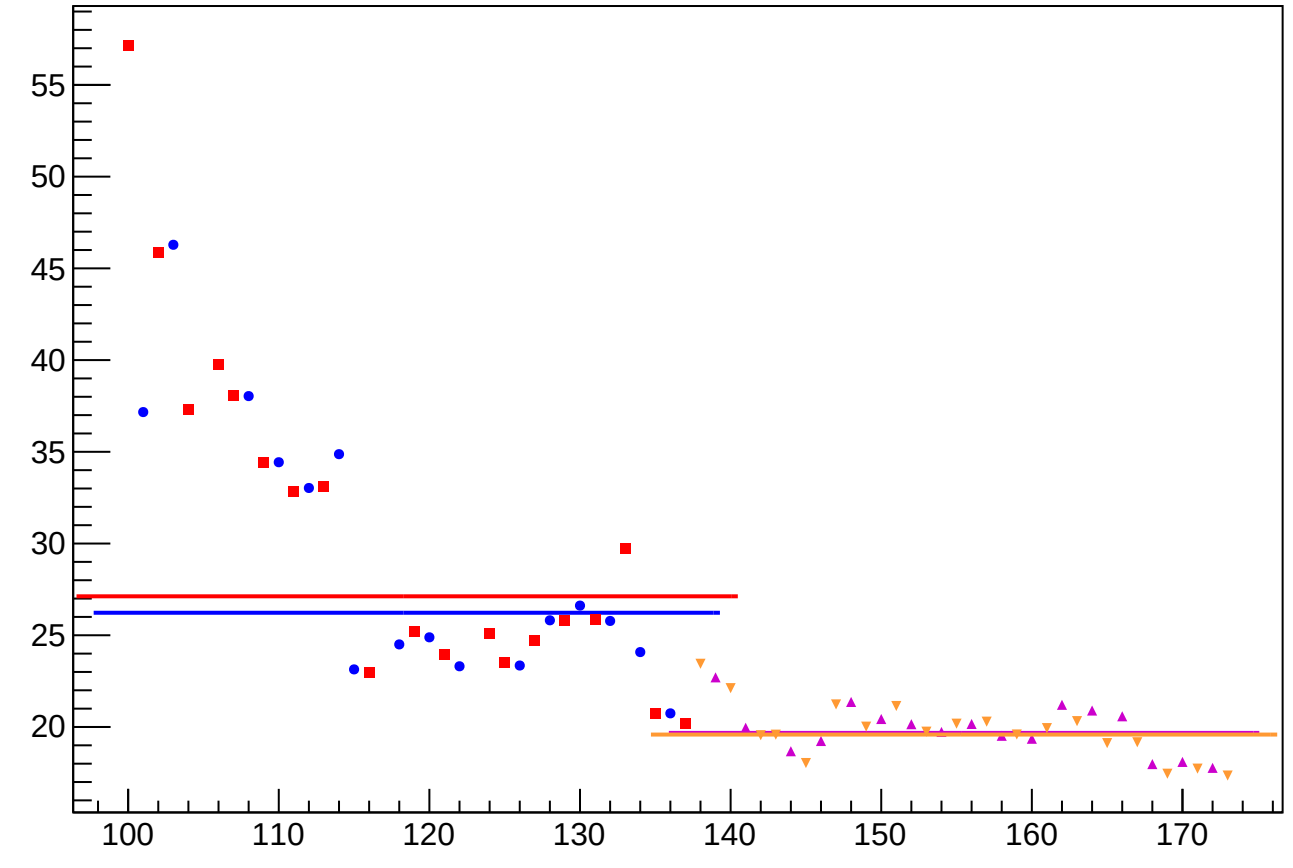
Left: -0.856+/-3.660 χ^2/NDF: 39.4/35

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -6.094+/-4.673 χ^2/NDF:38.2/32

Out: 1.486+/-4.552 χ^2/NDF:40.9/37

All: -2.205+/-3.261 χ^2/NDF: 80.5/70



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.587+/-0.004 χ^2/NDF:170519.9/18

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.678+/-0.004 χ^2/NDF:112618.7/16

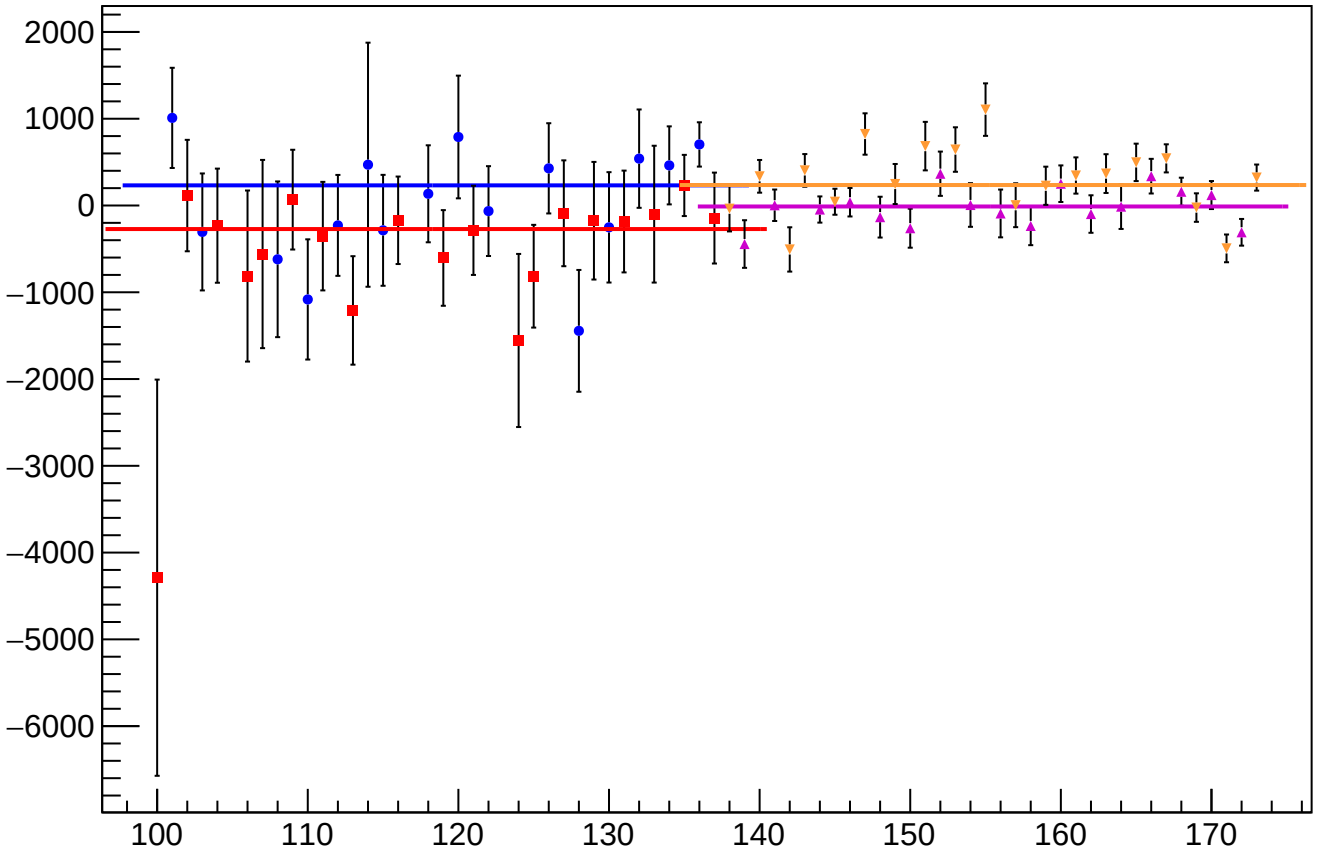
Left: 19.631+/-0.003 χ^2/NDF: 283446.4/35

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 21.094+/-0.003 χ^2/NDF:1454567.5/32

Out: 21.068+/-0.003 χ^2/NDF:1781777.7/37

All: 21.081+/-0.002 χ^2/NDF: 3236377.5/70



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 235.884+/-46.349 χ^2/NDF:61.9/18

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -11.277+/-48.202 χ^2/NDF:17.7/16

Left: 117.146+/-33.409 χ^2/NDF: 93.3/35

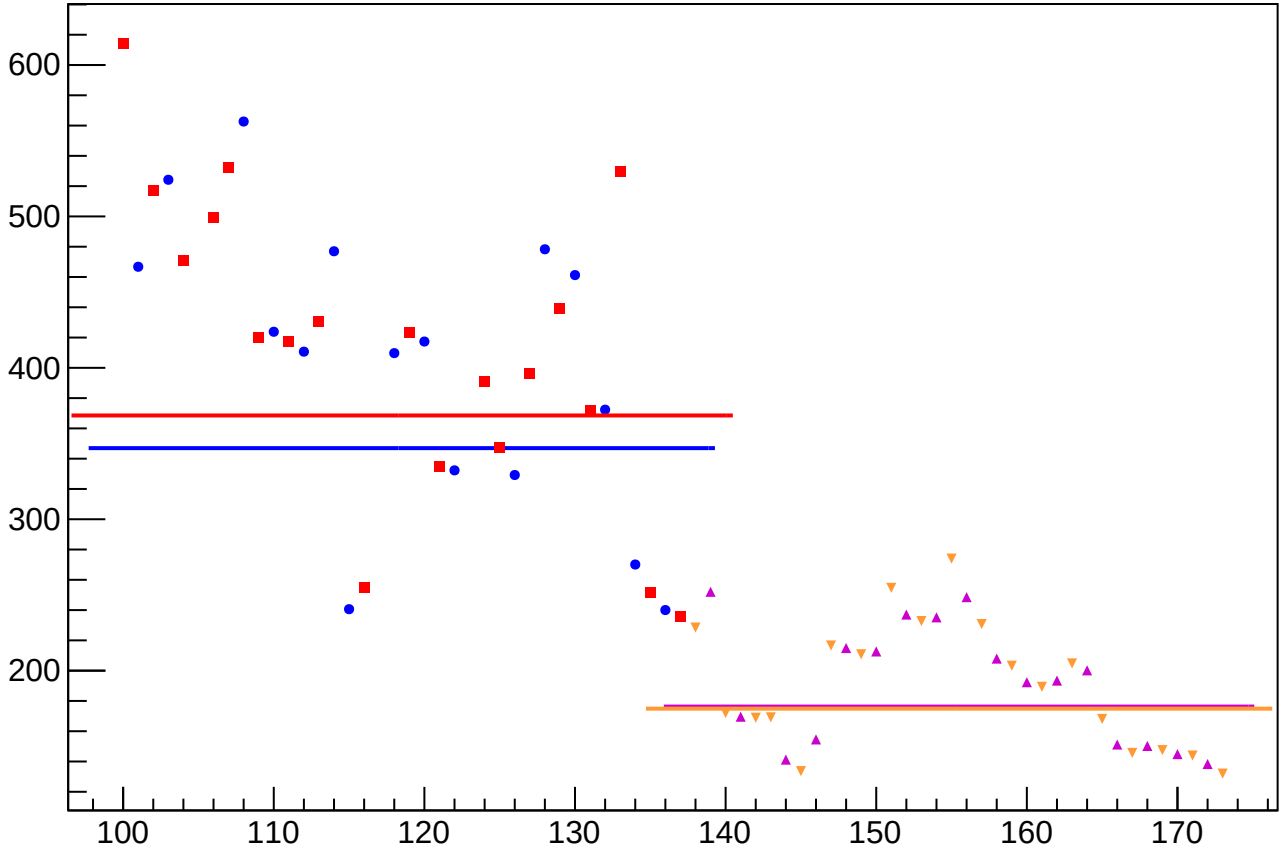
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 16.287+/-45.390 χ^2/NDF:40.3/32

Out: 185.893+/-44.006 χ^2/NDF:85.4/37

All: 103.715+/-31.595 χ^2/NDF: 132.8/70

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: 174.906+/-0.033 χ^2/NDF:1364641.4/18

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 176.284+/-0.034 χ^2/NDF:1128619.8/16

Left: 175.568+/-0.024 χ^2/NDF: 2494109.5/35

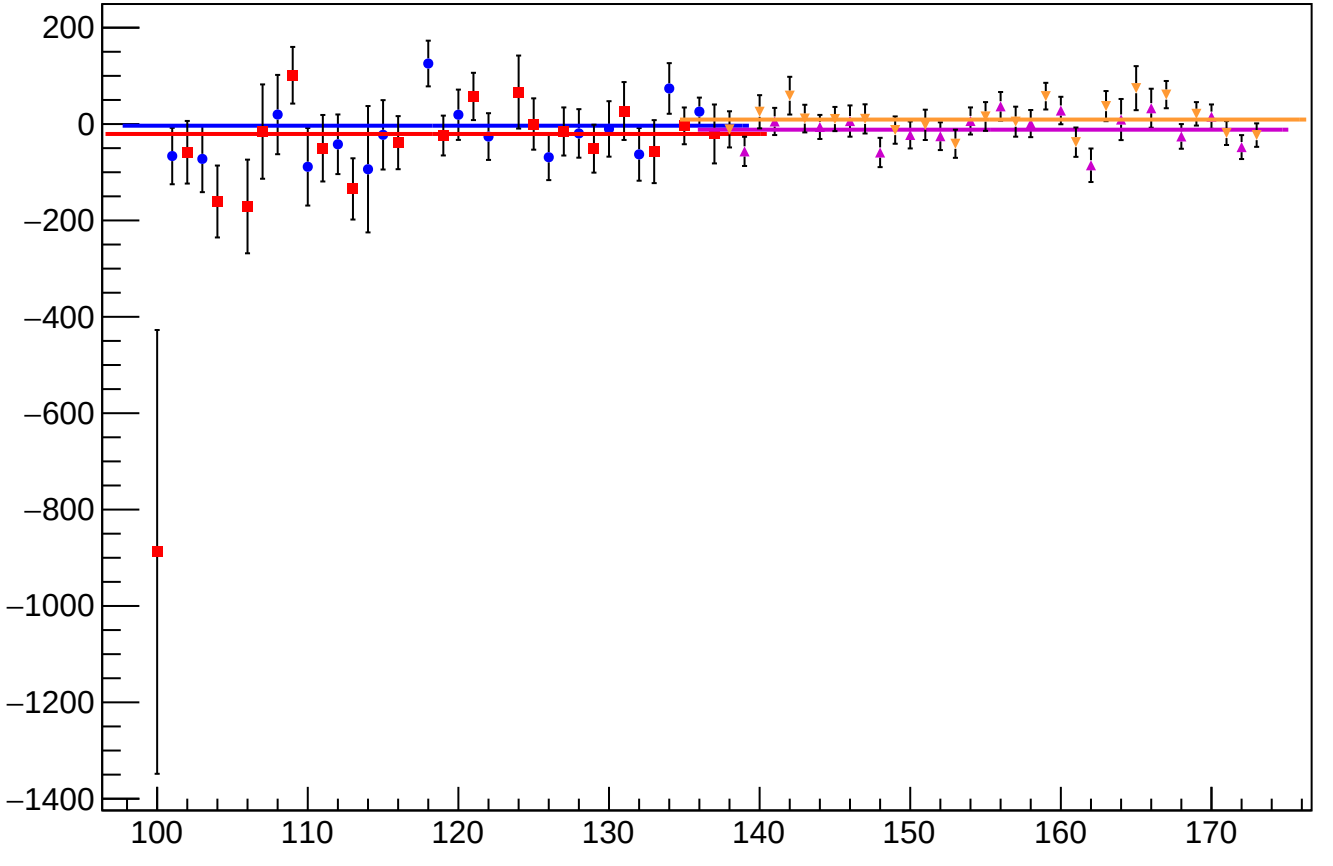
Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 195.616+/-0.032 χ^2/NDF:5027092.4/32

Out: 193.988+/-0.031 χ^2/NDF:5704890.3/37

All: 194.777+/-0.022 χ^2/NDF: 10733308.1/70

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 9.345+/-6.770 χ^2/NDF:20.8/18

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -11.676+/-7.063 χ^2/NDF:20.5/16

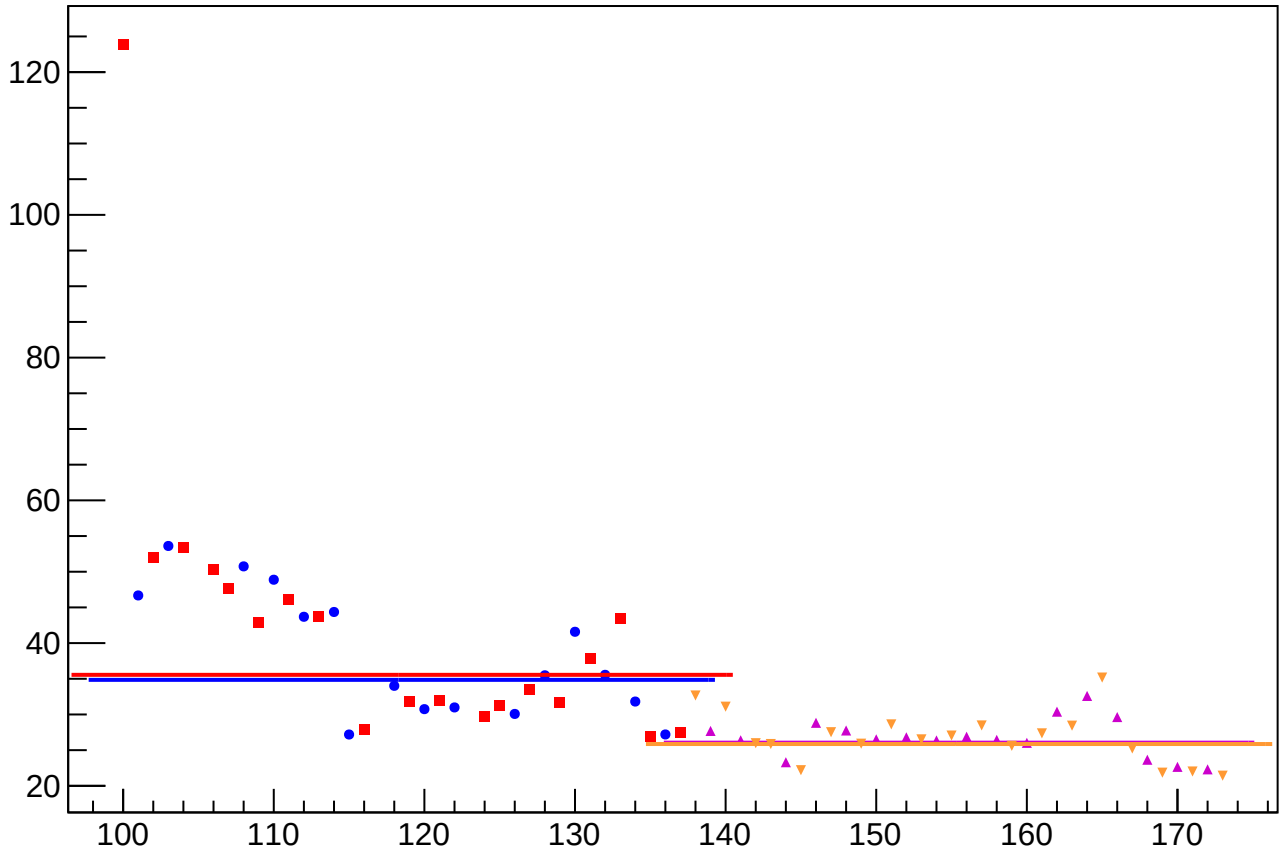
Left: -0.720+/-4.887 χ^2/NDF: 45.9/35

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -9.880+/-6.247 χ^2/NDF:39.2/32

Out: 3.316+/-6.049 χ^2/NDF:47.8/37

All: -3.069+/-4.346 χ^2/NDF: 89.4/70



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 25.859+/-0.005 χ^2/NDF:465334.2/18

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.051+/-0.005 χ^2/NDF:248001.0/16

Left: 25.951+/-0.003 χ^2/NDF: 714109.3/35

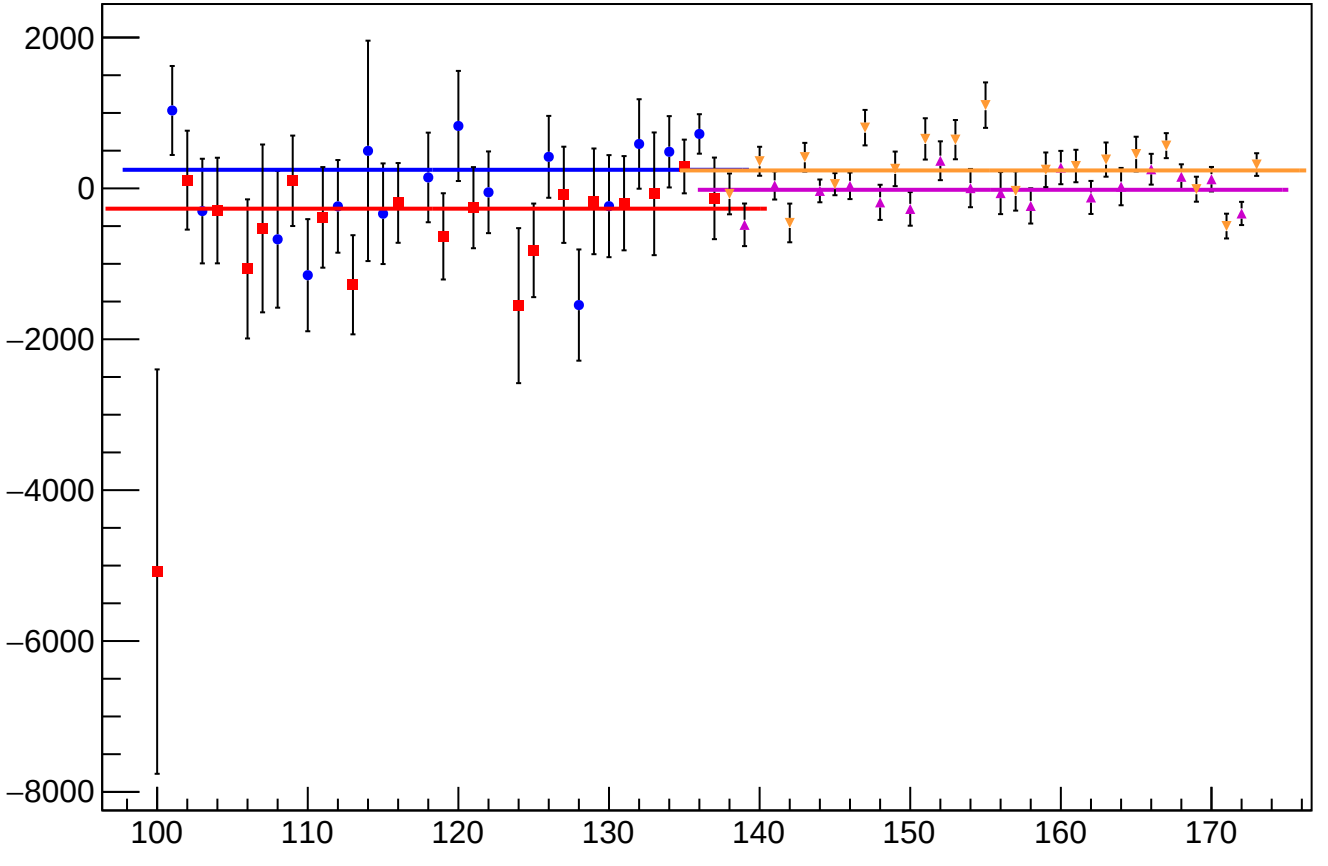
Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 27.966+/-0.004 χ^2/NDF:1581646.1/32

Out: 27.812+/-0.004 χ^2/NDF:2071765.6/37

All: 27.887+/-0.003 χ^2/NDF: 3654034.8/70

asym_sam_1357_2468_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 237.979+/-46.897 χ^2/NDF:59.4/18

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -18.633+/-49.005 χ^2/NDF:17.6/16

Left: 115.311+/-33.882 χ^2/NDF: 91.4/35

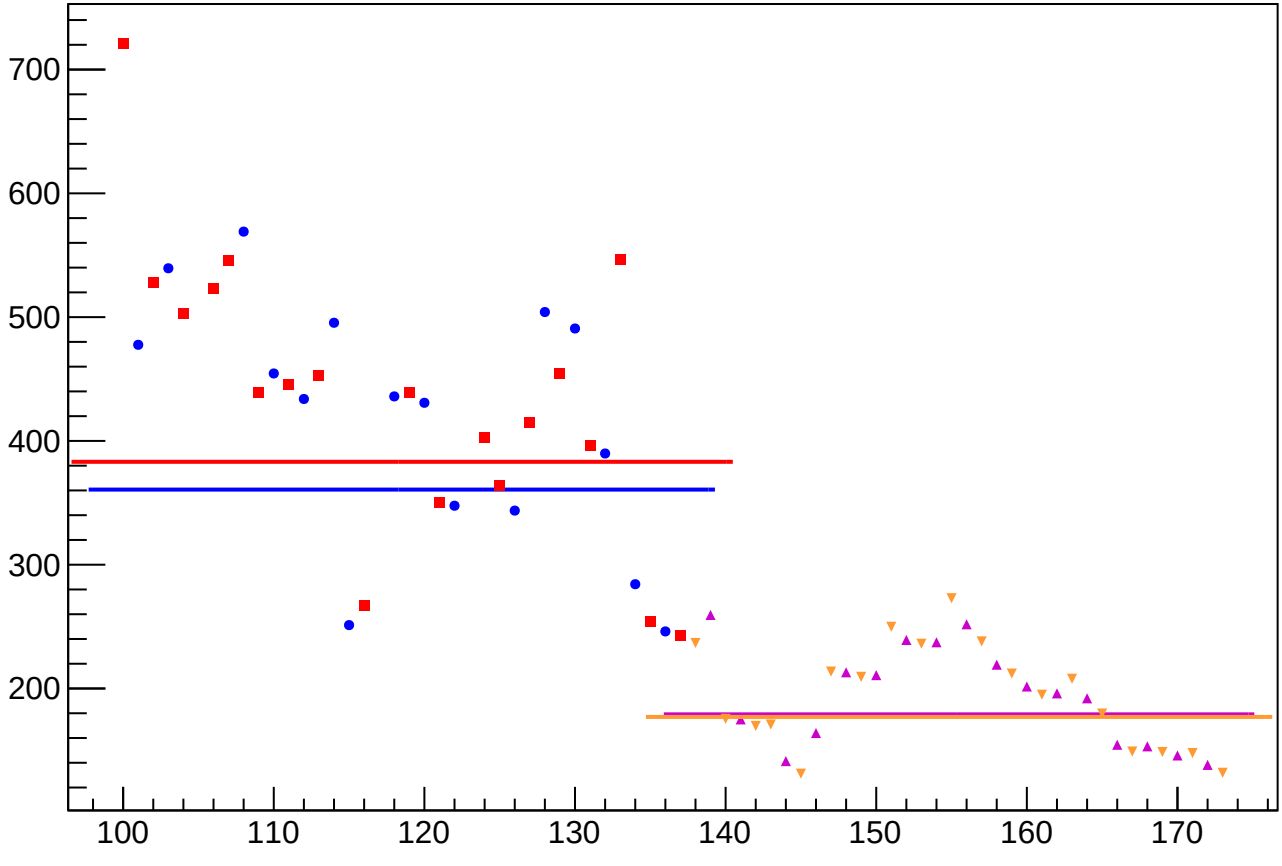
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: 10.207+/-46.263 χ^2/NDF:40.6/32

Out: 190.154+/-44.630 χ^2/NDF:83.1/37

All: 103.413+/-32.120 χ^2/NDF: 131.5/70

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: 177.041+/-0.033 χ^2/NDF:1399790.0/18

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 179.115+/-0.035 χ^2/NDF:1135917.5/16

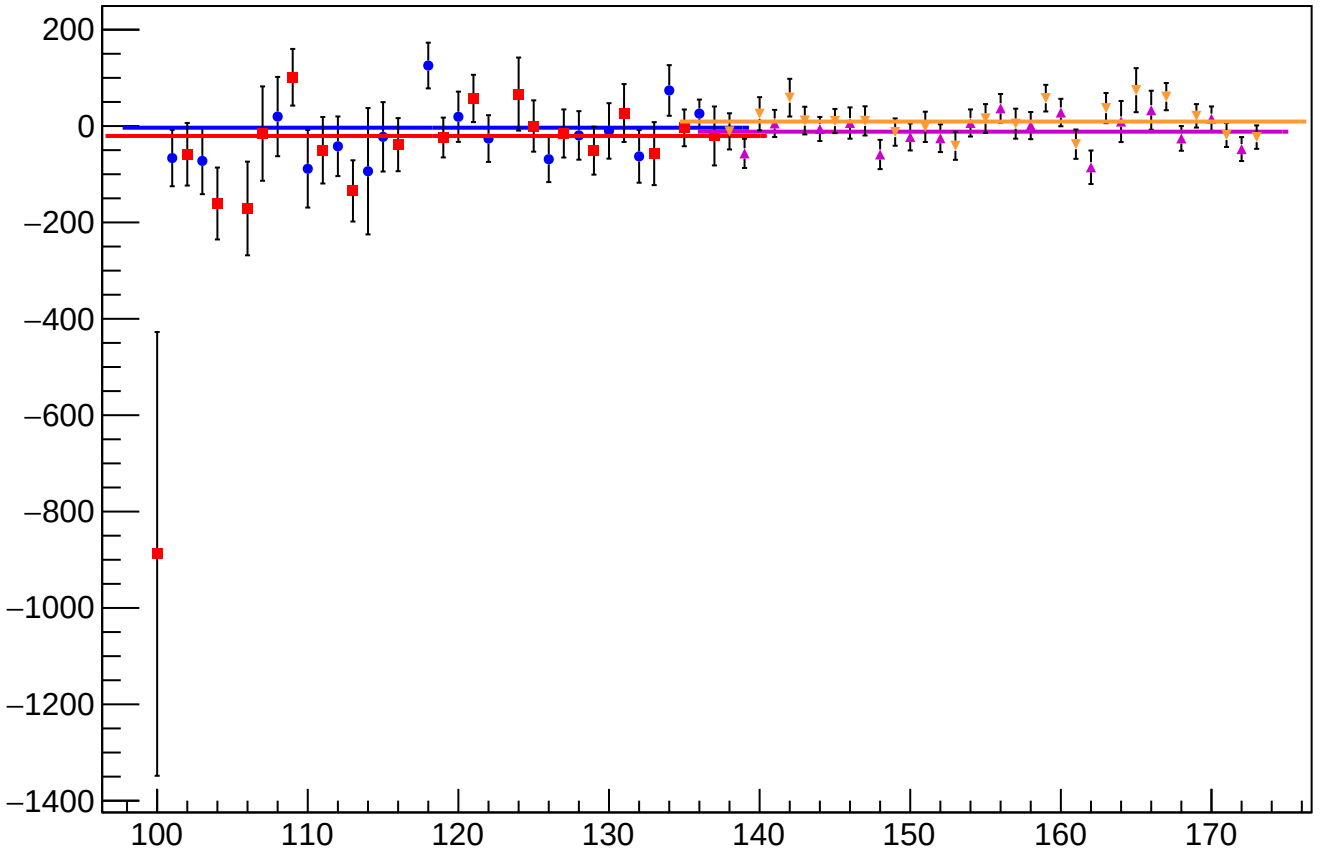
Left: 178.033+/-0.024 χ^2/NDF: 2537577.6/35

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 198.866+/-0.033 χ^2/NDF:5215309.2/32

Out: 196.486+/-0.032 χ^2/NDF:6007113.2/37

All: 197.633+/-0.023 χ^2/NDF: 11225163.1/70



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 9.346+/-6.770 χ^2/NDF:20.8/18

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -11.676+/-7.063 χ^2/NDF:20.5/16

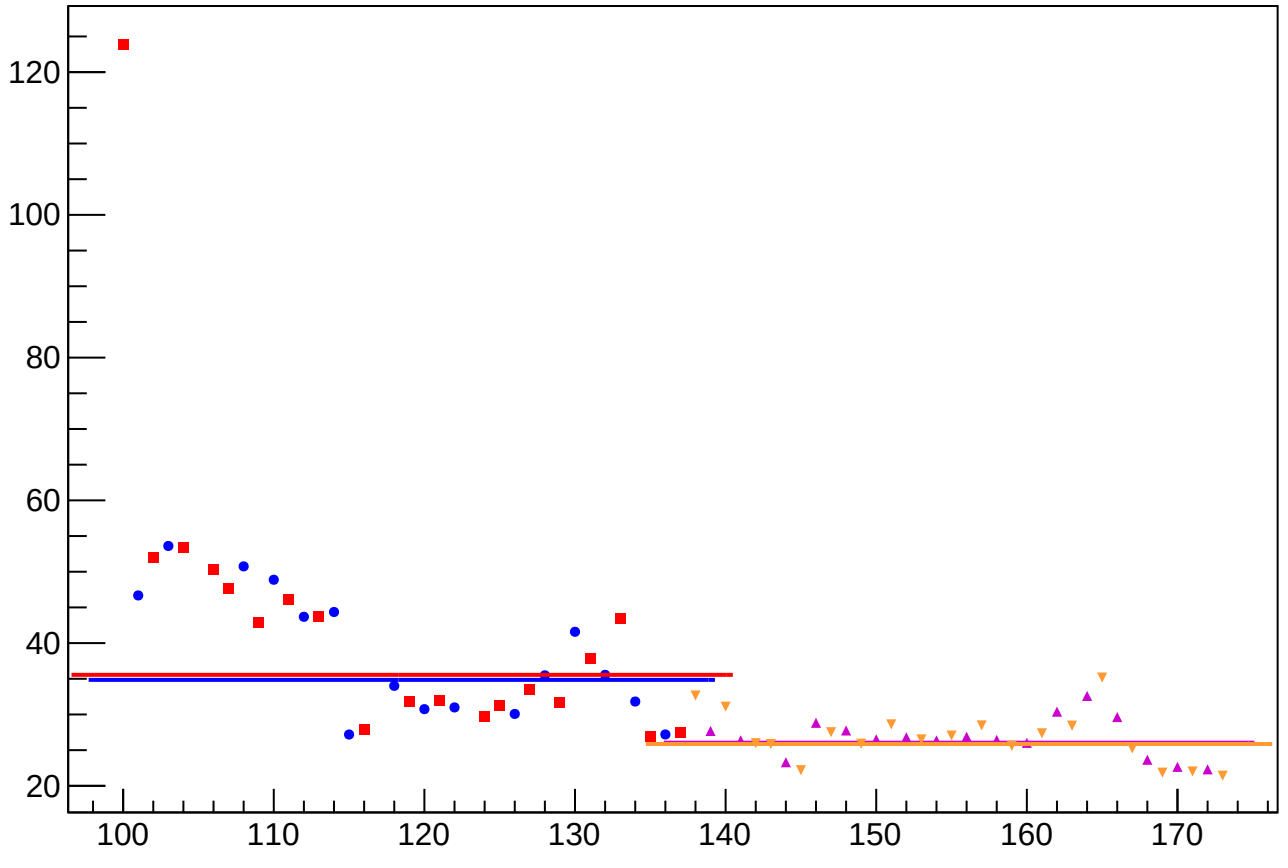
Left: -0.720+/-4.887 χ^2/NDF: 45.8/35

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -9.881+/-6.247 χ^2/NDF:39.2/32

Out: 3.316+/-6.049 χ^2/NDF:47.8/37

All: -3.069+/-4.346 χ^2/NDF: 89.4/70



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 25.859+/-0.005 χ^2/NDF:465325.7/18

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.051+/-0.005 χ^2/NDF:247999.4/16

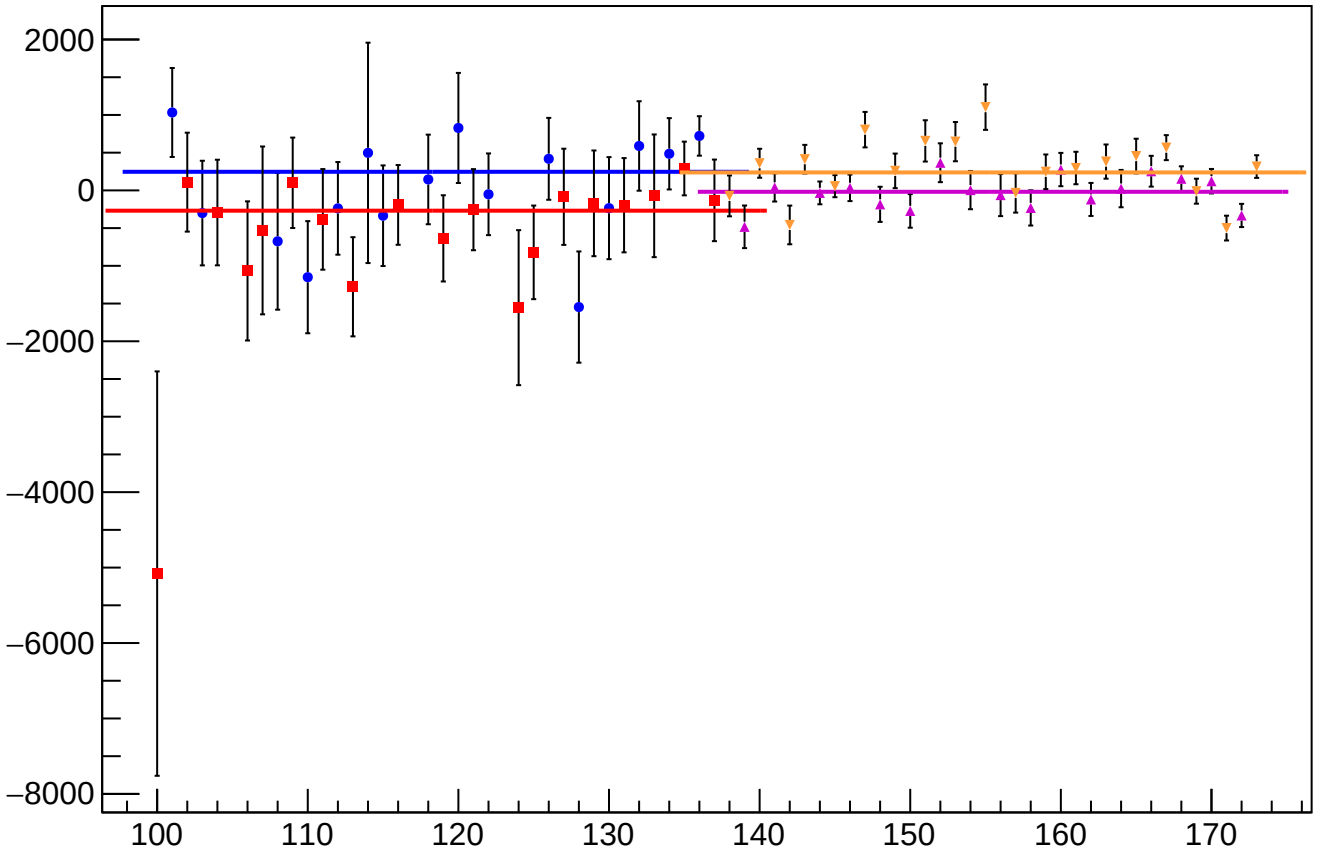
Left: 25.951+/-0.003 χ^2/NDF: 714099.0/35

Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 27.966+/-0.004 χ^2/NDF:1581522.1/32

Out: 27.812+/-0.004 χ^2/NDF:2071659.9/37

All: 27.887+/-0.003 χ^2/NDF: 3653804.8/70



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 237.979+/-46.897 χ^2/NDF:59.4/18

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -18.632+/-49.005 χ^2/NDF:17.6/16

Left: 115.311+/-33.882 χ^2/NDF: 91.4/35

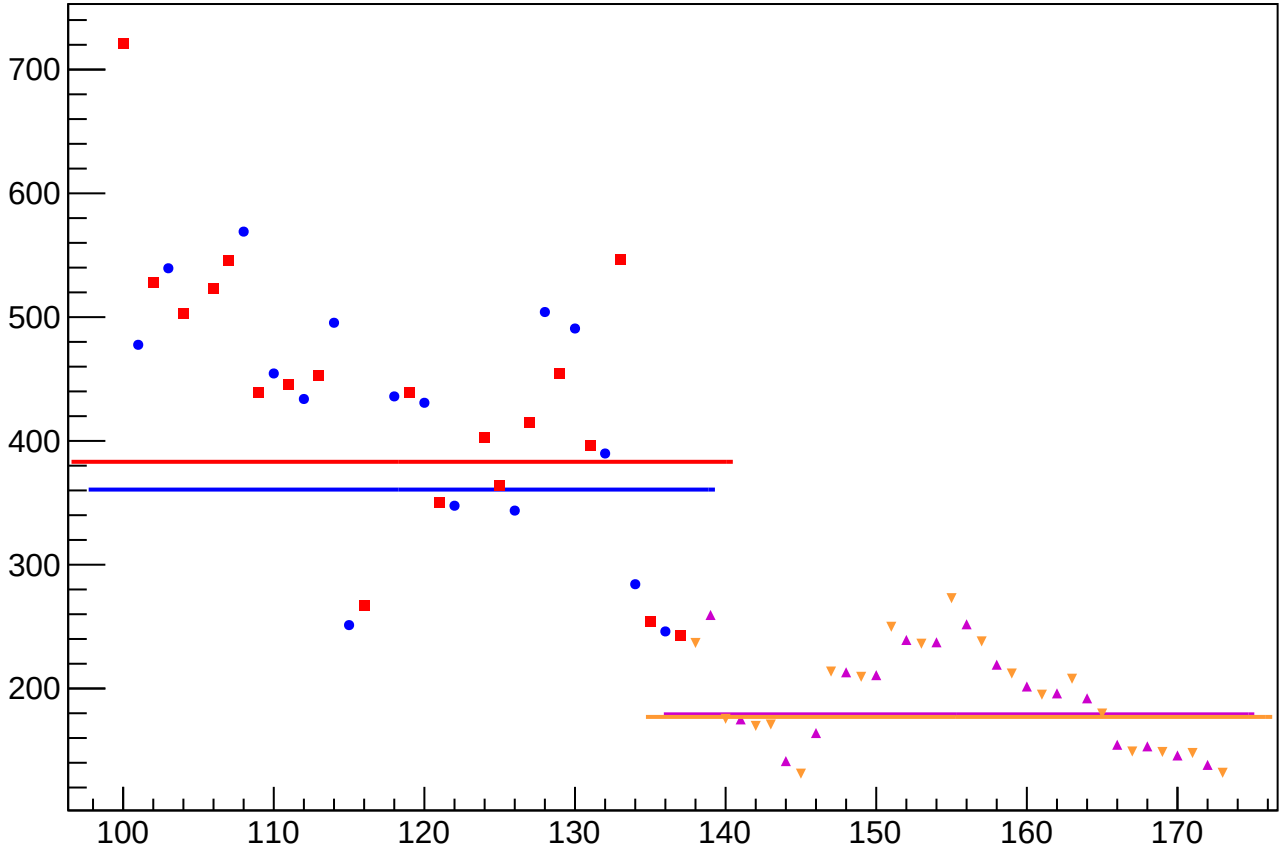
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: 10.207+/-46.263 χ^2/NDF:40.6/32

Out: 190.153+/-44.630 χ^2/NDF:83.1/37

All: 103.413+/-32.120 χ^2/NDF: 131.5/70

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: 177.041+/-0.033 χ^2/NDF:1399807.8/18

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 179.115+/-0.035 χ^2/NDF:1135927.9/16

Left: 178.032+/-0.024 χ^2/NDF: 2537605.8/35

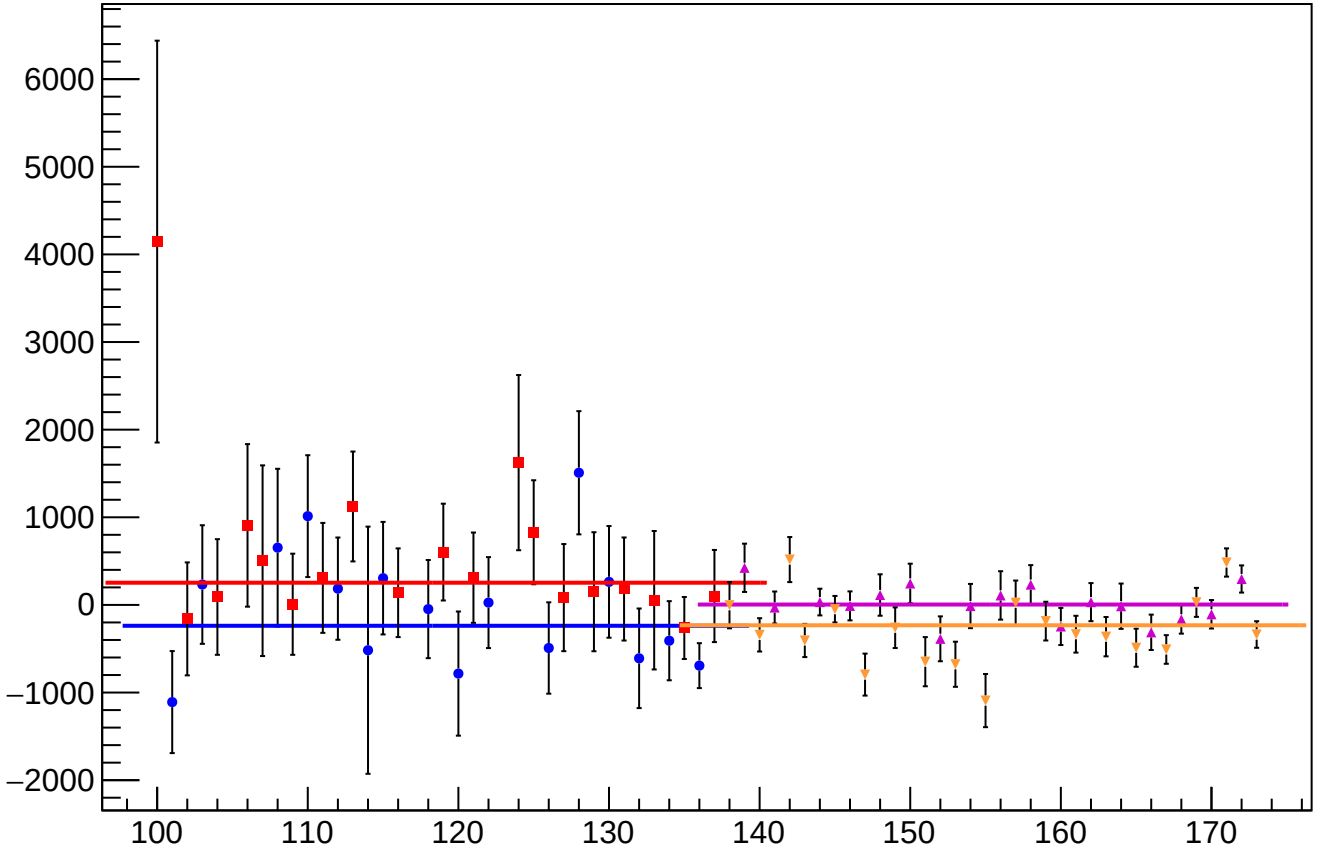
Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 198.865+/-0.033 χ^2/NDF:5215314.9/32

Out: 196.486+/-0.032 χ^2/NDF:6007130.7/37

All: 197.633+/-0.023 χ^2/NDF: 11225186.2/70

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -232.306+/-46.662 χ^2/NDF:59.3/18

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 4.375+/-48.528 χ^2/NDF:16.2/16

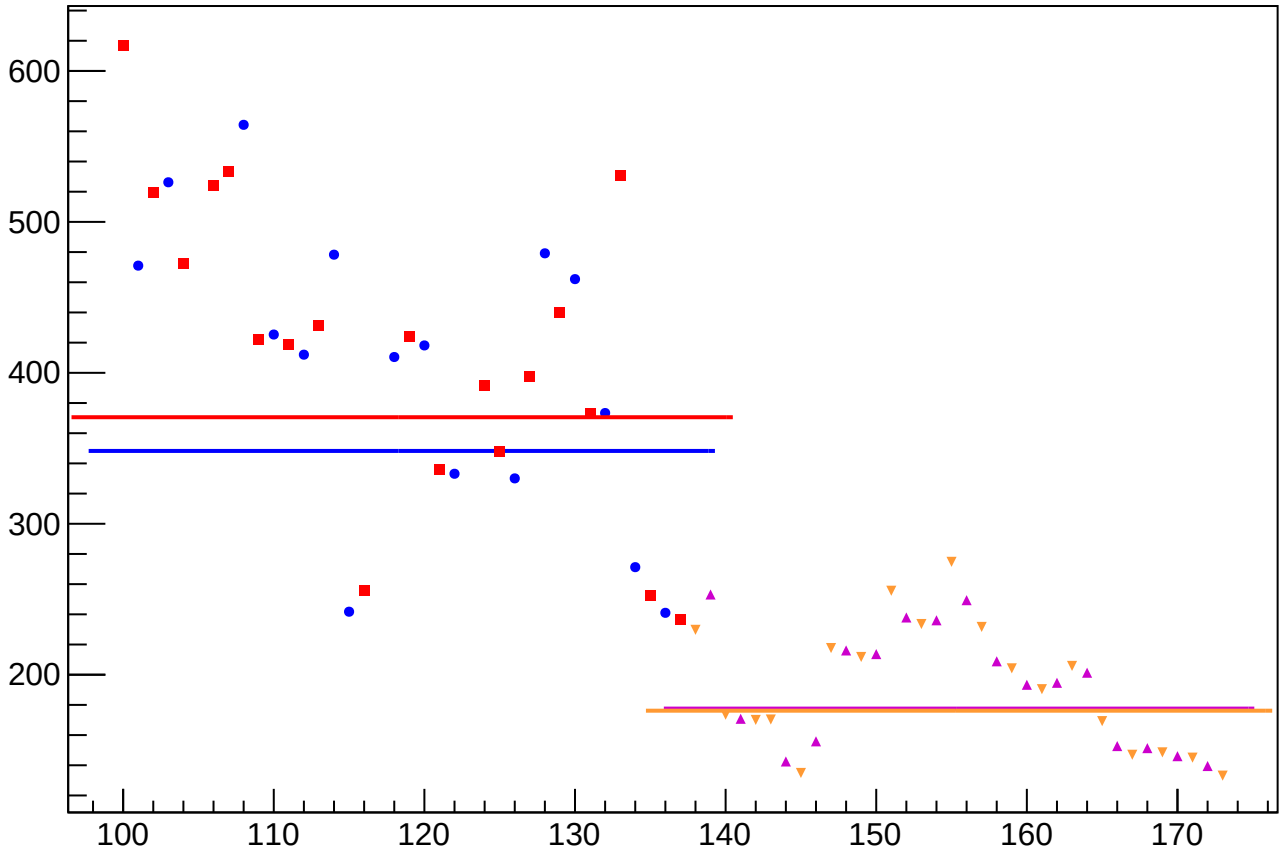
Left: -118.604+/-33.635 χ^2/NDF: 87.8/35

Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -23.239+/-45.680 χ^2/NDF:39.0/32

Out: -183.998+/-44.281 χ^2/NDF:81.7/37

All: -106.119+/-31.794 χ^2/NDF: 127.1/70



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 176.163+/-0.033 χ^2/NDF:1342778.1/18

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 177.549+/-0.034 χ^2/NDF:1108903.7/16

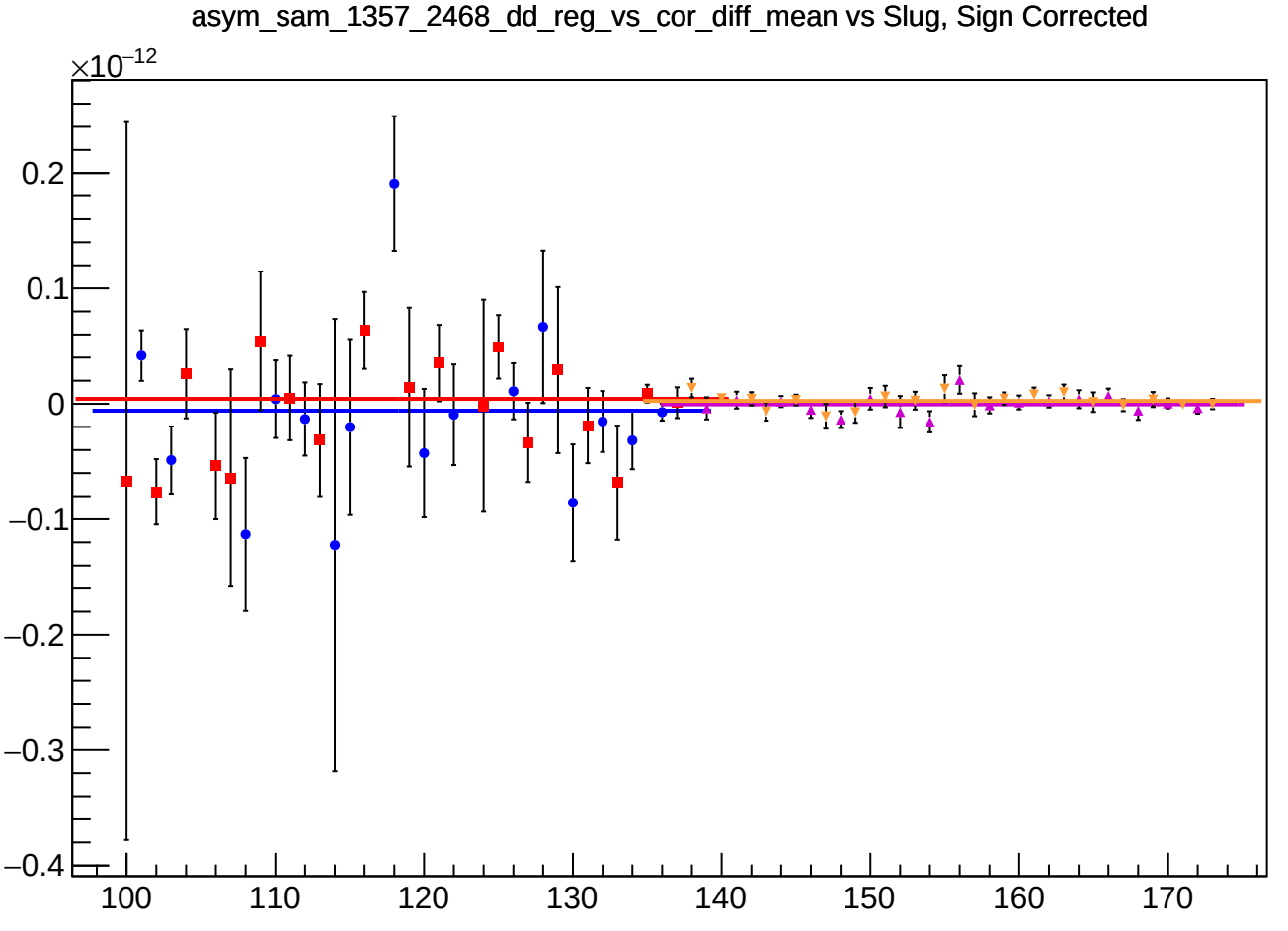
Left: 176.829+/-0.024 χ^2/NDF: 2452529.4/35

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 196.993+/-0.032 χ^2/NDF:4984659.8/32

Out: 195.498+/-0.031 χ^2/NDF:5713791.6/37

All: 196.223+/-0.022 χ^2/NDF: 10699555.5/70



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/16

Left: 0.000+/-0.000 χ^2/NDF: 27.2/35

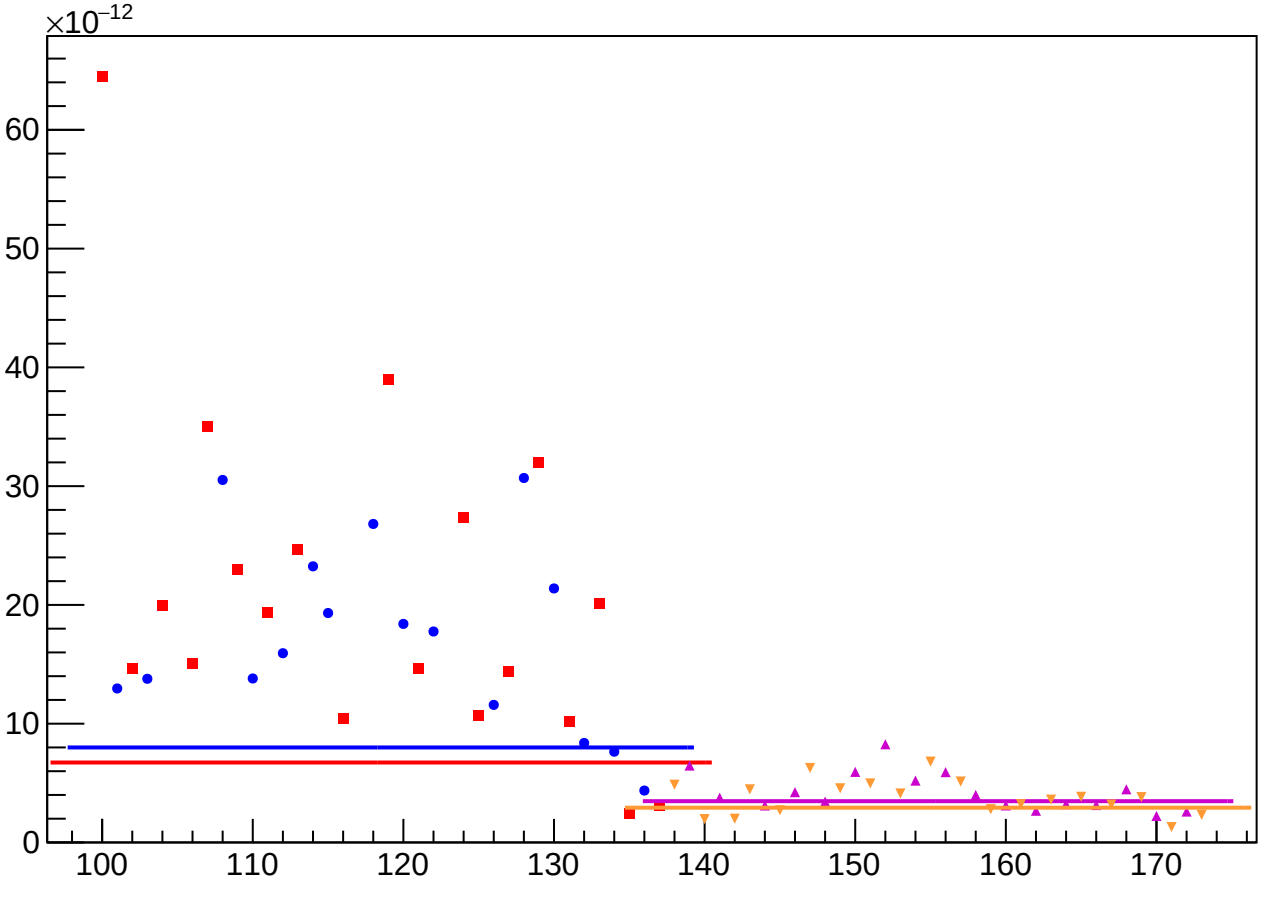
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:41.7/32

Out: 0.000+/-0.000 χ^2/NDF:34.7/37

All: 0.000+/-0.000 χ^2/NDF: 79.3/70

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1949755.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1659484.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1100785.8/16

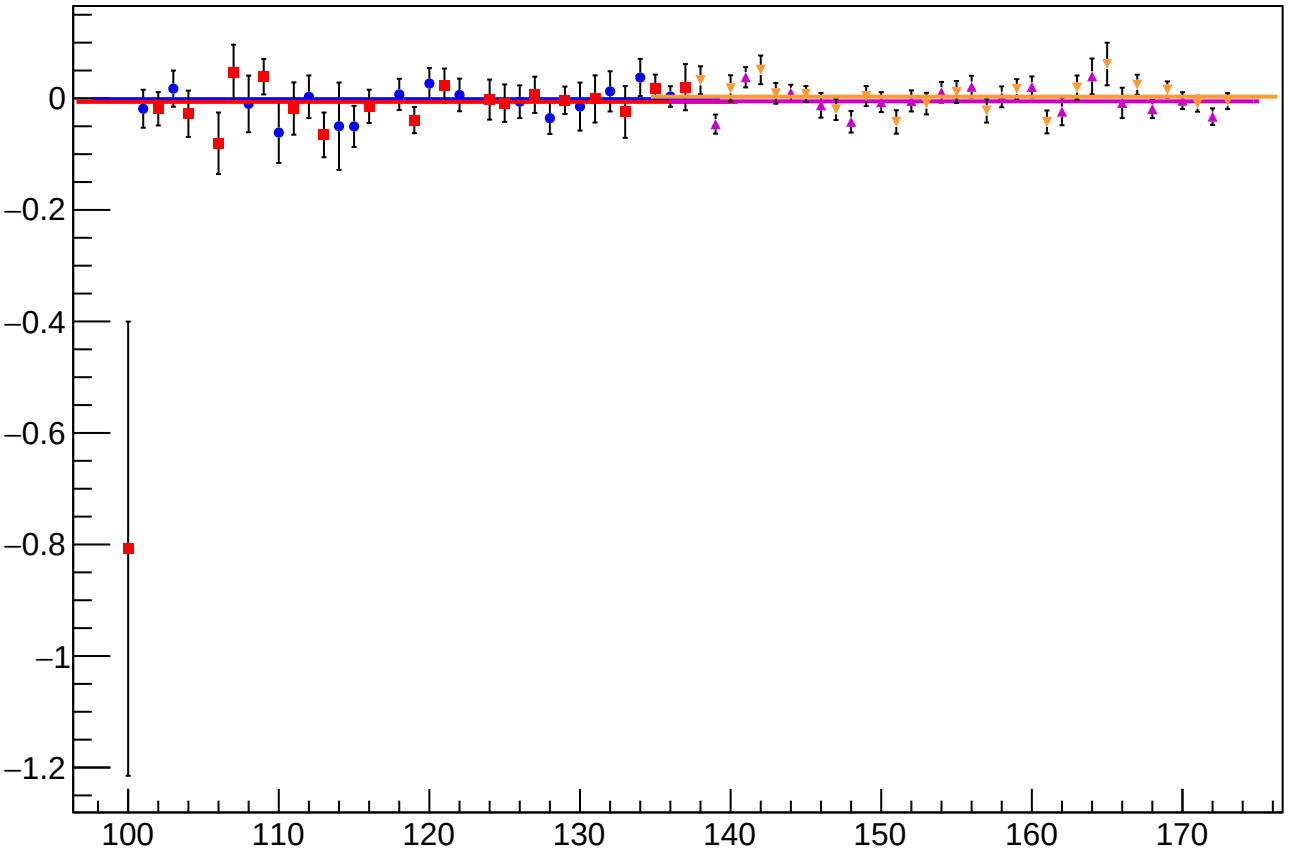
Left: 0.000+/-0.000 χ^2/NDF: 2893941.9/35

Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:4220392.2/32

Out: 0.000+/-0.000 χ^2/NDF:5921415.2/37

All: 0.000+/-0.000 χ^2/NDF: 10353595.0/70



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:25.2/18

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.005+/-0.004 χ^2/NDF:27.5/16

Left: -0.001+/-0.003 χ^2/NDF: 54.5/35

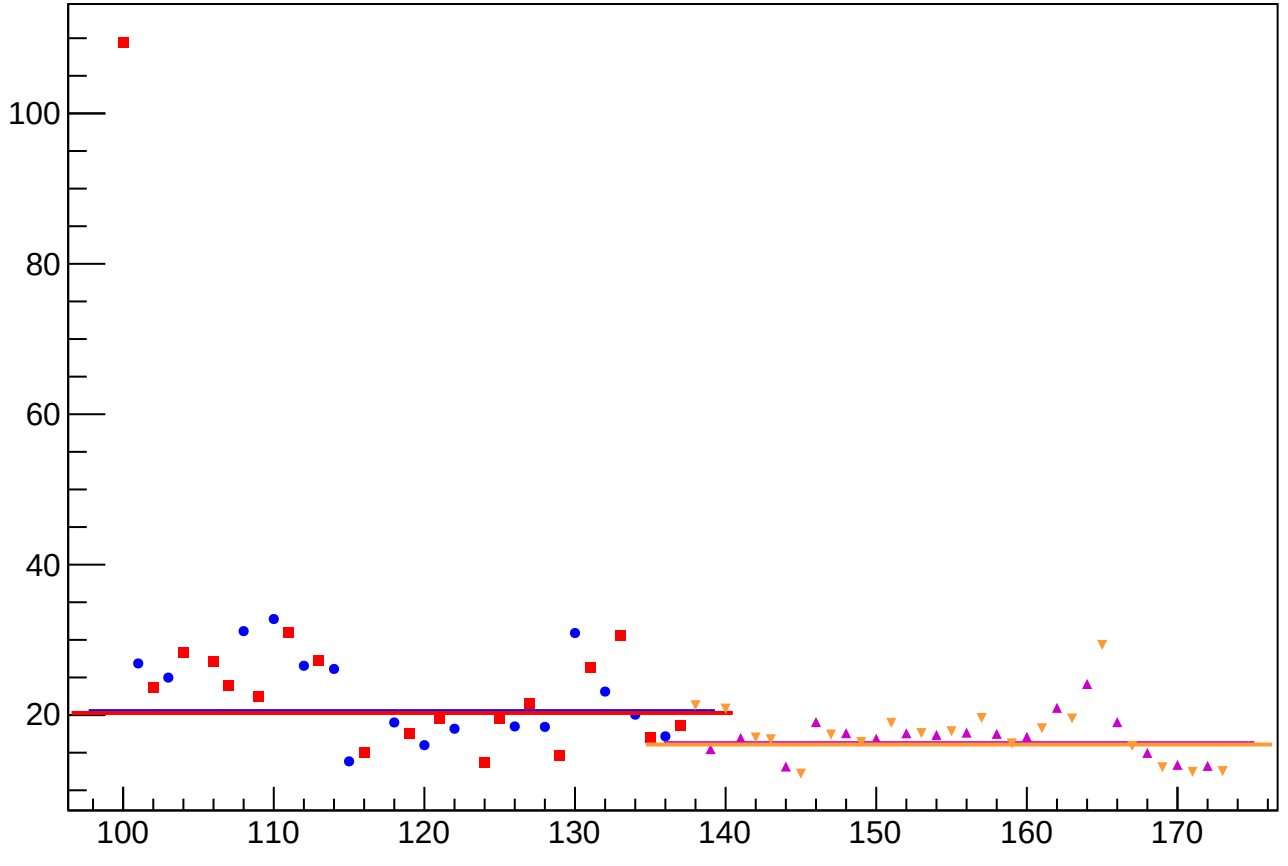
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.004 χ^2/NDF:36.0/32

Out: 0.001+/-0.004 χ^2/NDF:42.5/37

All: -0.002+/-0.003 χ^2/NDF: 79.4/70

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.084+/-0.003 χ^2/NDF:1107558.7/18

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.268+/-0.003 χ^2/NDF:567604.8/16

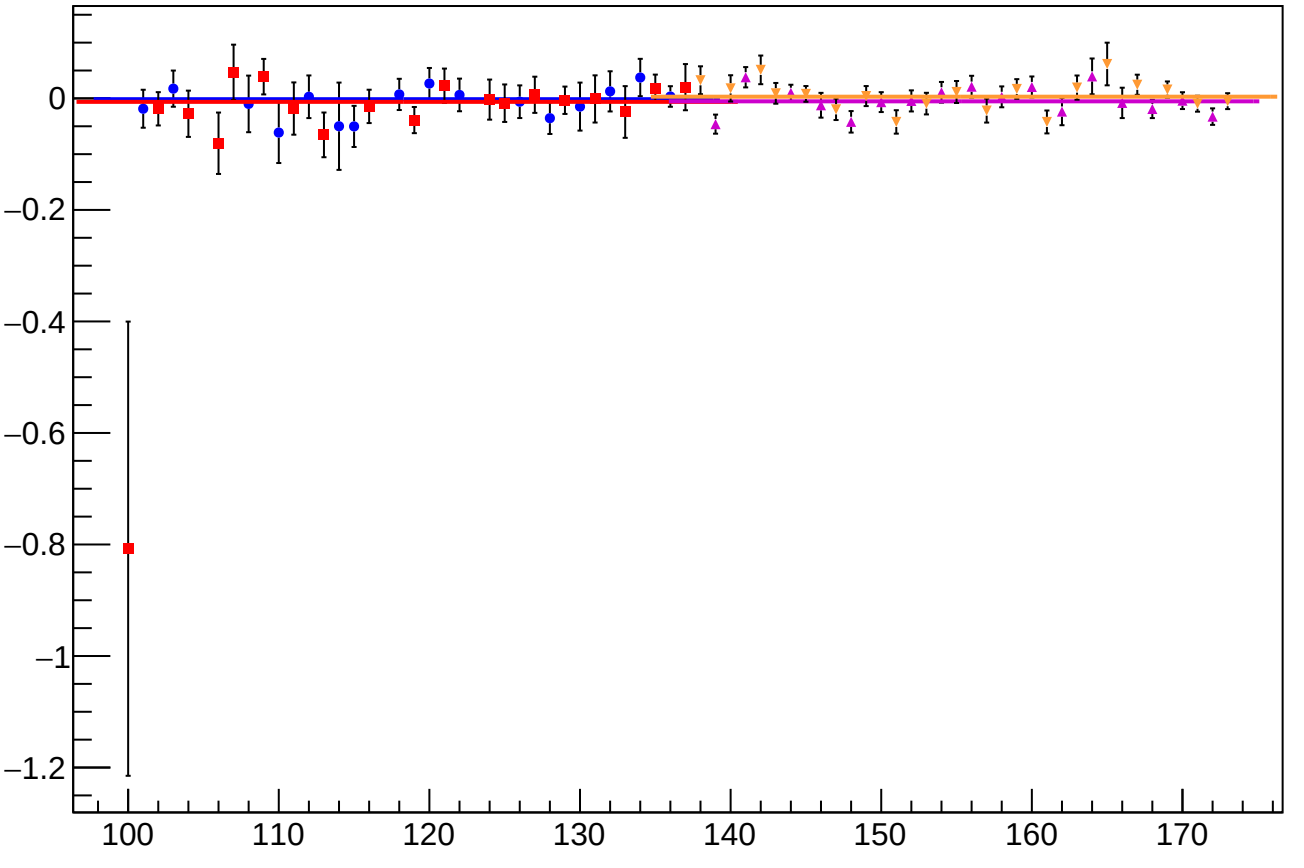
Left: 16.172+/-0.002 χ^2/NDF: 1676922.6/35

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.273+/-0.003 χ^2/NDF:1699039.3/32

Out: 17.044+/-0.003 χ^2/NDF:2409257.3/37

All: 17.154+/-0.002 χ^2/NDF: 4111846.9/70



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:25.2/18

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.005+/-0.004 χ^2/NDF:27.5/16

Left: -0.001+/-0.003 χ^2/NDF: 54.5/35

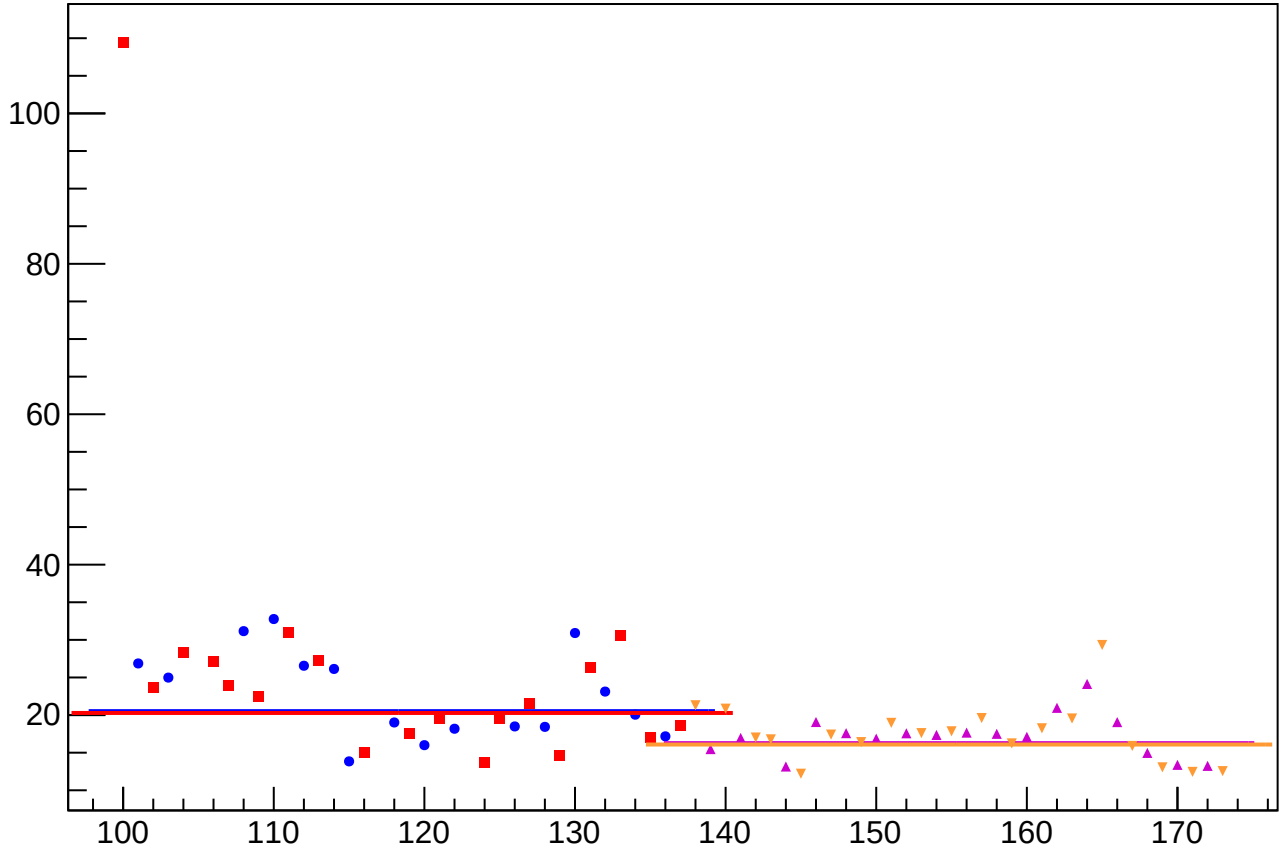
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.004 χ^2/NDF:36.0/32

Out: 0.001+/-0.004 χ^2/NDF:42.5/37

All: -0.002+/-0.003 χ^2/NDF: 79.4/70

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.084+/-0.003 χ^2/NDF:1107558.7/18

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.268+/-0.003 χ^2/NDF:567604.8/16

Left: 16.172+/-0.002 χ^2/NDF: 1676922.6/35

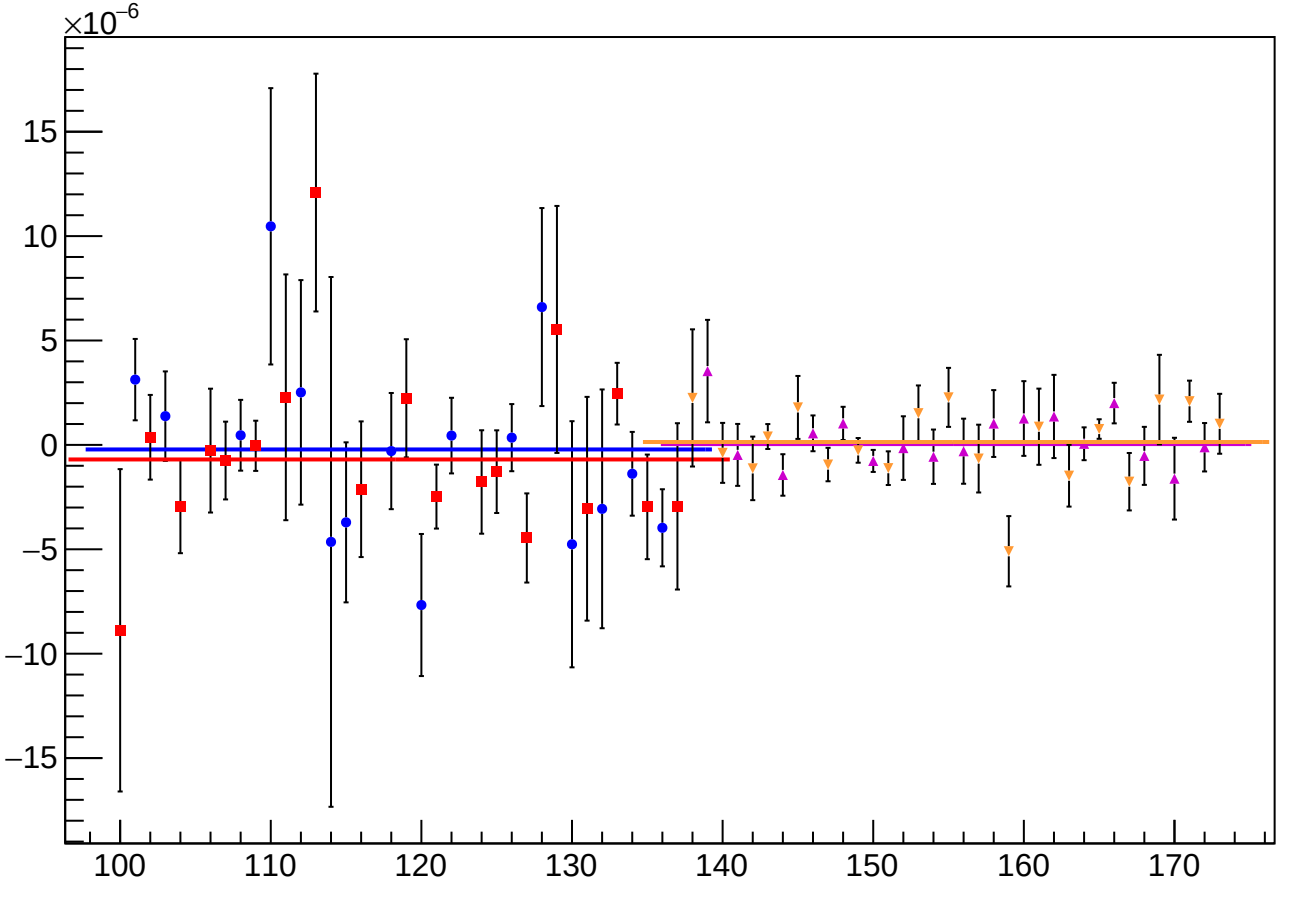
Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.273+/-0.003 χ^2/NDF:1699039.3/32

Out: 17.044+/-0.003 χ^2/NDF:2409257.3/37

All: 17.154+/-0.002 χ^2/NDF: 4111846.9/70

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/18

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:15.2/16

Left: 0.000+/-0.000 χ^2/NDF: 46.1/35

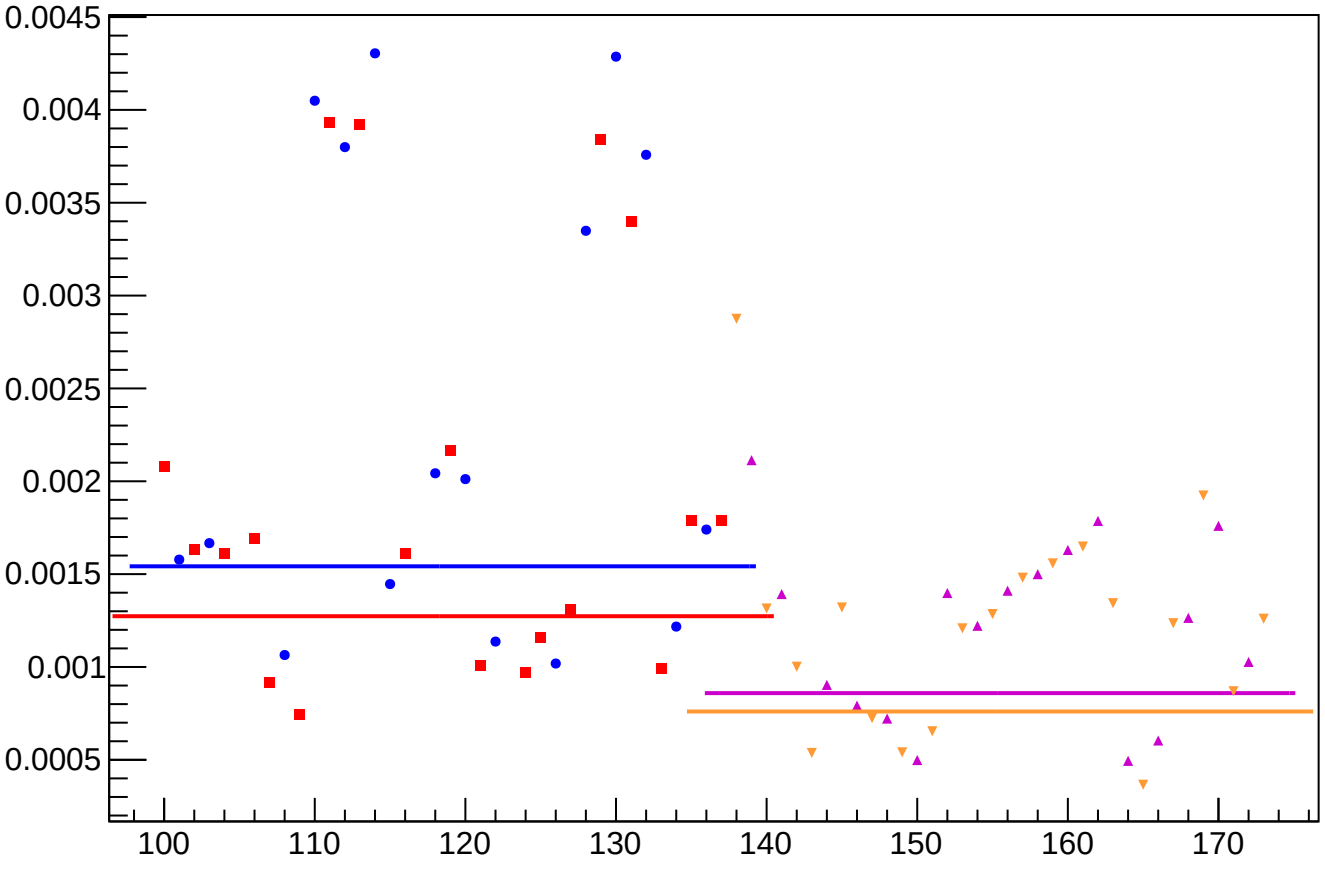
Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: 0.000+/-0.000 χ^2/NDF:35.2/32

Out: 0.000+/-0.000 χ^2/NDF:53.9/37

All: 0.000+/-0.000 χ^2/NDF: 89.2/70

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:6694547.4/18

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:4774579.3/16

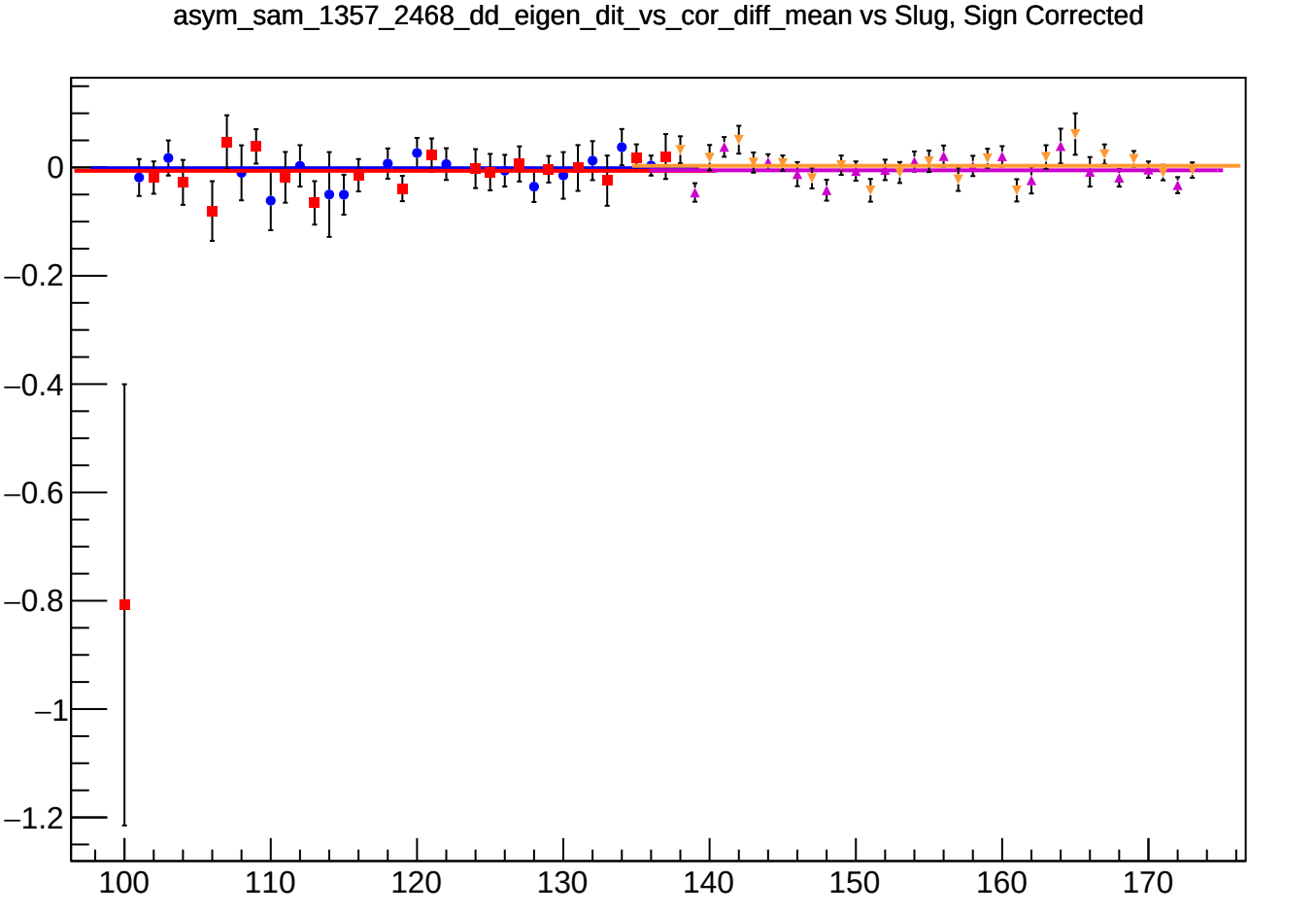
Left: 0.001+/-0.000 χ^2/NDF: 11633980.9/35

Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:9194553.9/32

Out: 0.001+/-0.000 χ^2/NDF:10978594.7/37

All: 0.001+/-0.000 χ^2/NDF: 20448971.8/70



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:25.2/18

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.005+/-0.004 χ^2/NDF:27.5/16

Left: -0.001+/-0.003 χ^2/NDF: 54.5/35

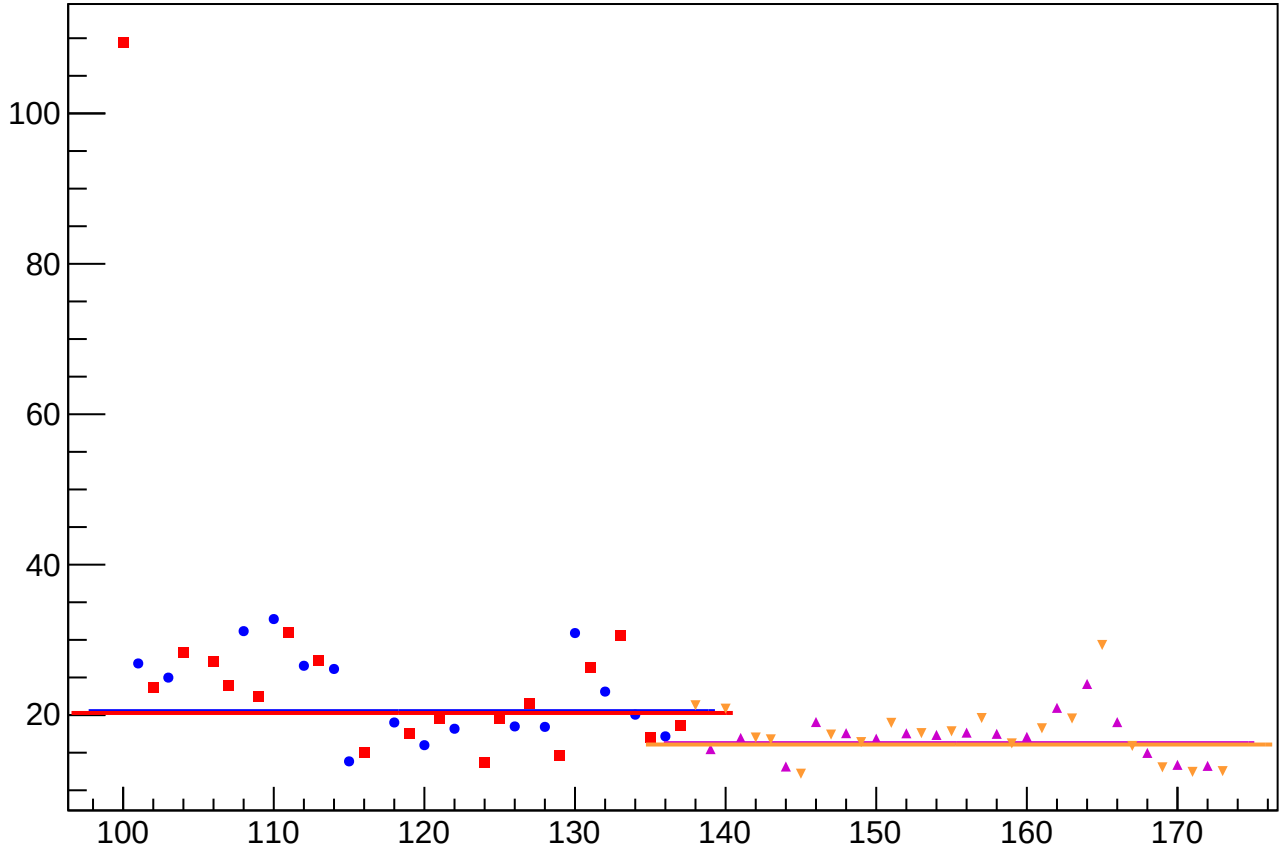
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.004 χ^2/NDF:36.0/32

Out: 0.001+/-0.004 χ^2/NDF:42.5/37

All: -0.002+/-0.003 χ^2/NDF: 79.4/70

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.084+/-0.003 χ^2/NDF:1107512.1/18

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.268+/-0.003 χ^2/NDF:567618.5/16

Left: 16.172+/-0.002 χ^2/NDF: 1676888.5/35

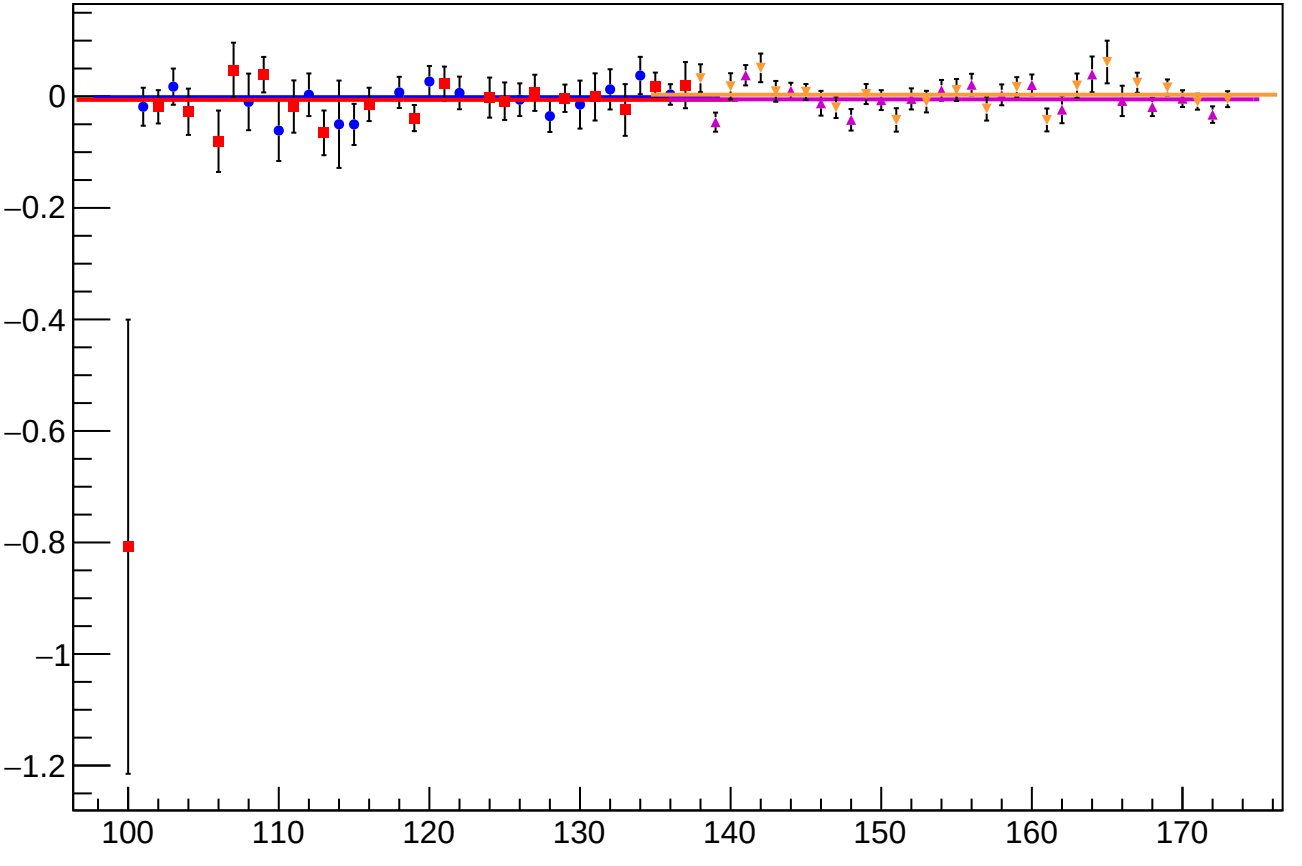
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.272+/-0.003 χ^2/NDF:1698811.5/32

Out: 17.043+/-0.003 χ^2/NDF:2409054.3/37

All: 17.154+/-0.002 χ^2/NDF: 4111415.4/70

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: 0.003+/-0.004 χ^2/NDF:25.2/18

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.005+/-0.004 χ^2/NDF:27.5/16

Left: -0.001+/-0.003 χ^2/NDF: 54.5/35

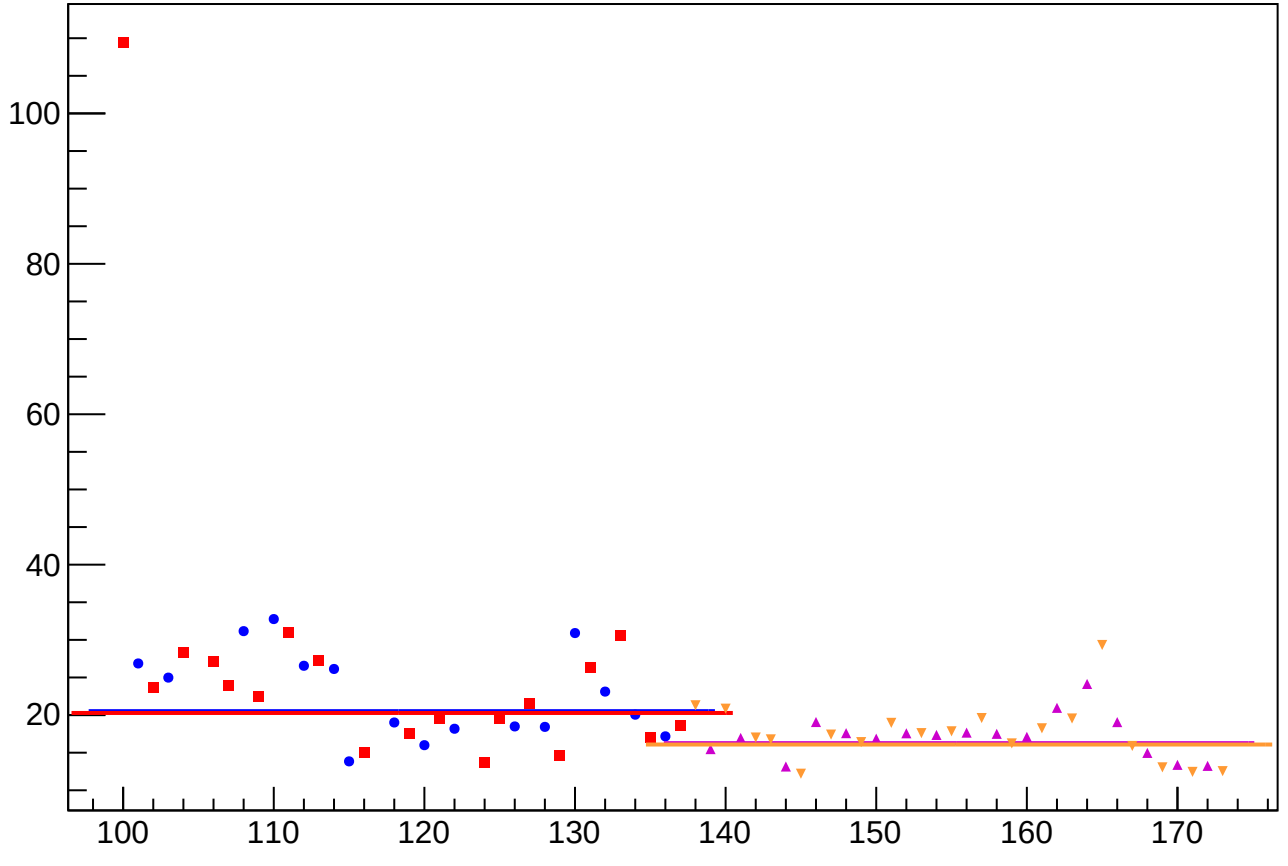
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.004 χ^2/NDF:36.0/32

Out: 0.001+/-0.004 χ^2/NDF:42.5/37

All: -0.002+/-0.003 χ^2/NDF: 79.4/70

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.084+/-0.003 χ^2/NDF:1107512.1/18

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.268+/-0.003 χ^2/NDF:567618.5/16

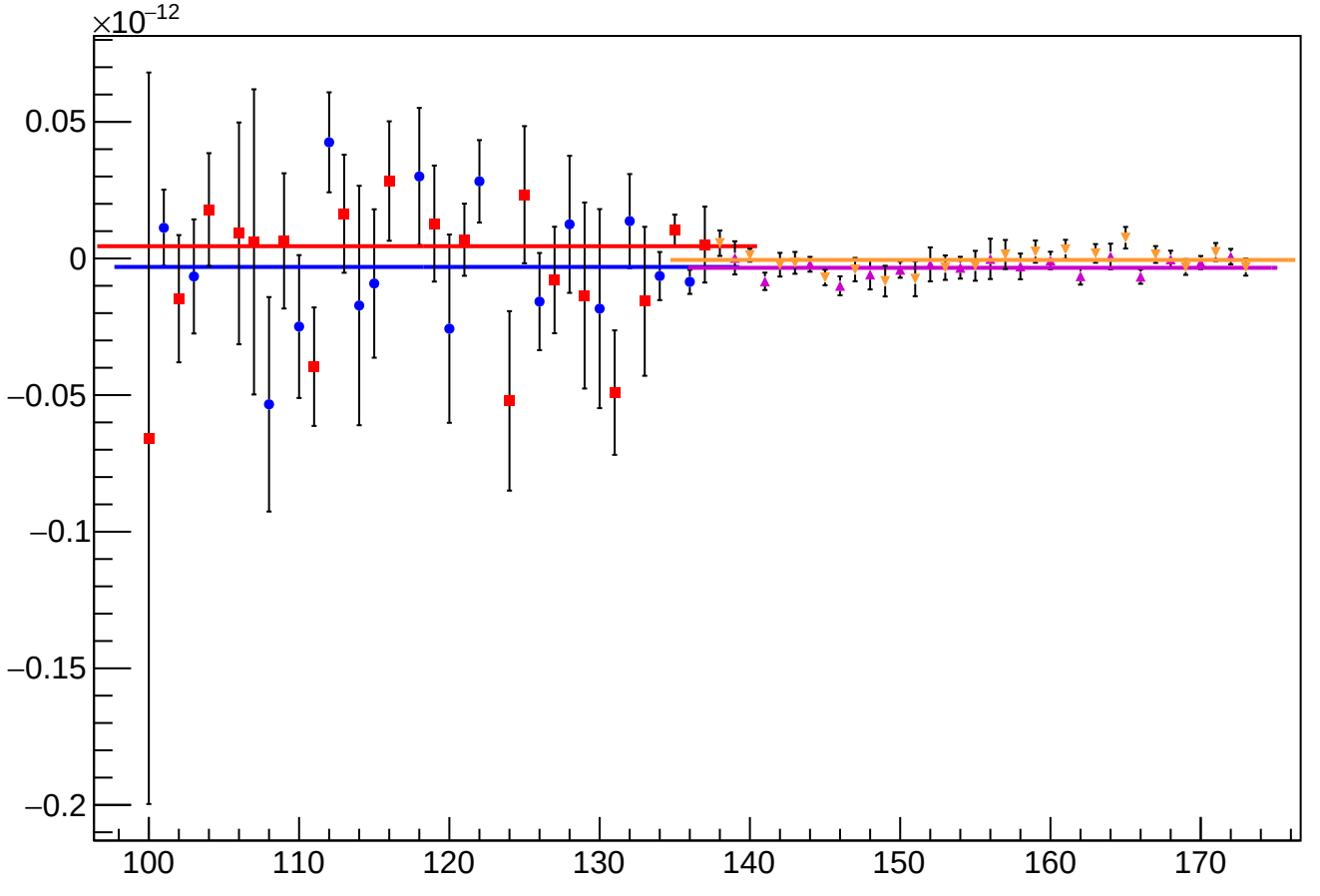
Left: 16.172+/-0.002 χ^2/NDF: 1676888.5/35

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.272+/-0.003 χ^2/NDF:1698811.5/32

Out: 17.043+/-0.003 χ^2/NDF:2409054.3/37

All: 17.154+/-0.002 χ^2/NDF: 4111415.4/70



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: -0.000+/-0.000 χ^2/NDF:14.7/16

Left: -0.000+/-0.000 χ^2/NDF: 41.9/35

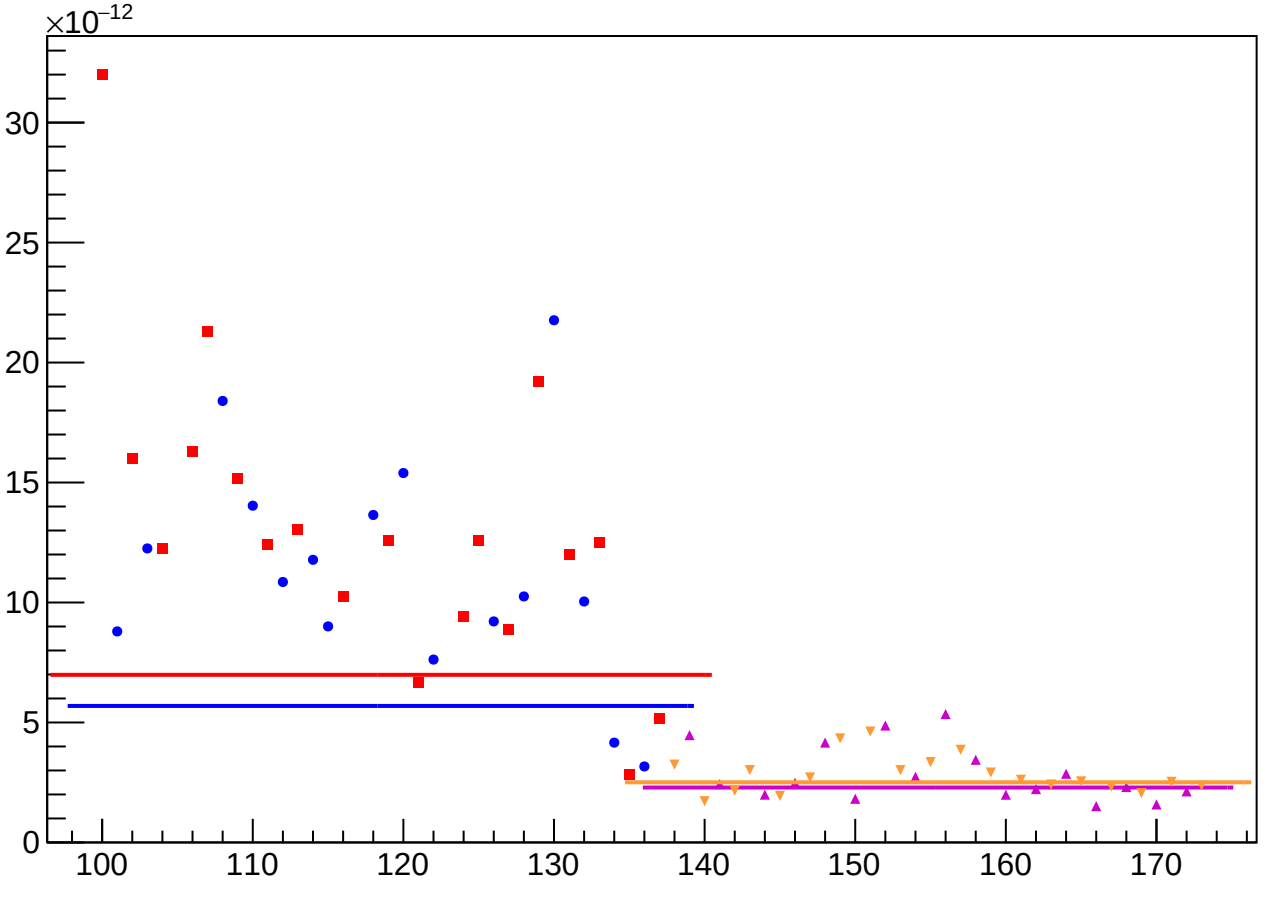
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:34.7/32

Out: -0.000+/-0.000 χ^2/NDF:41.5/37

All: -0.000+/-0.000 χ^2/NDF: 83.3/70

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:1119875.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1814061.6/16

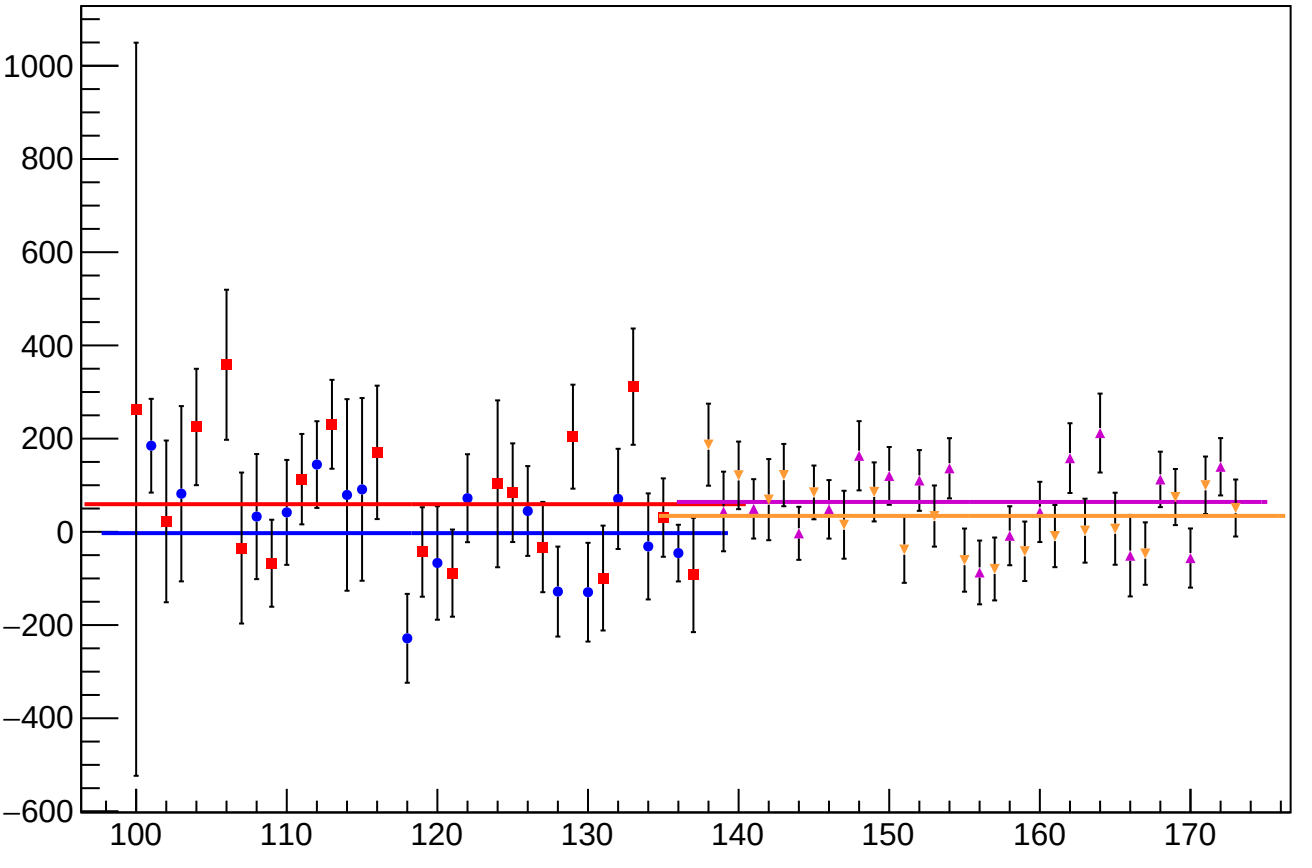
Left: 0.000+/-0.000 χ^2/NDF: 3001647.8/35

Right: 0.000+/-0.000 χ^2/NDF: 5945633.6/34

In: 0.000+/-0.000 χ^2/NDF:6566148.8/32

Out: 0.000+/-0.000 χ^2/NDF:6791728.7/37

All: 0.000+/-0.000 χ^2/NDF: 13425213.3/70



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 34.225+/-15.507 χ^2/NDF:19.0/18

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 64.122+/-16.203 χ^2/NDF:24.4/16

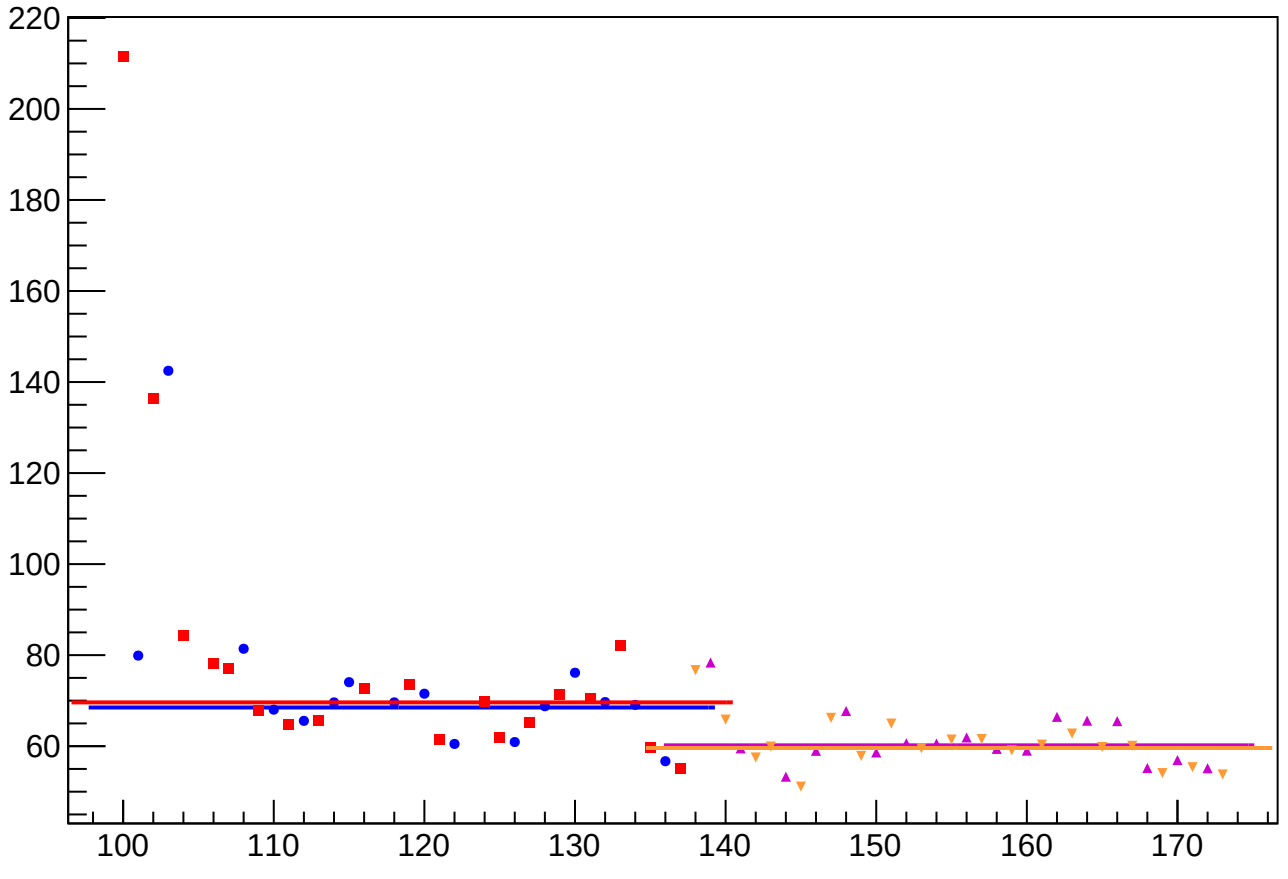
Left: 48.517+/-11.203 χ^2/NDF: 45.1/35

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 45.630+/-13.783 χ^2/NDF:46.8/32

Out: 40.676+/-13.369 χ^2/NDF:45.3/37

All: 43.078+/-9.596 χ^2/NDF: 92.2/70



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 59.602+/-0.011 χ^2/NDF:216376.4/18

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.184+/-0.011 χ^2/NDF:207410.2/16

Left: 59.880+/-0.008 χ^2/NDF: 425134.0/35

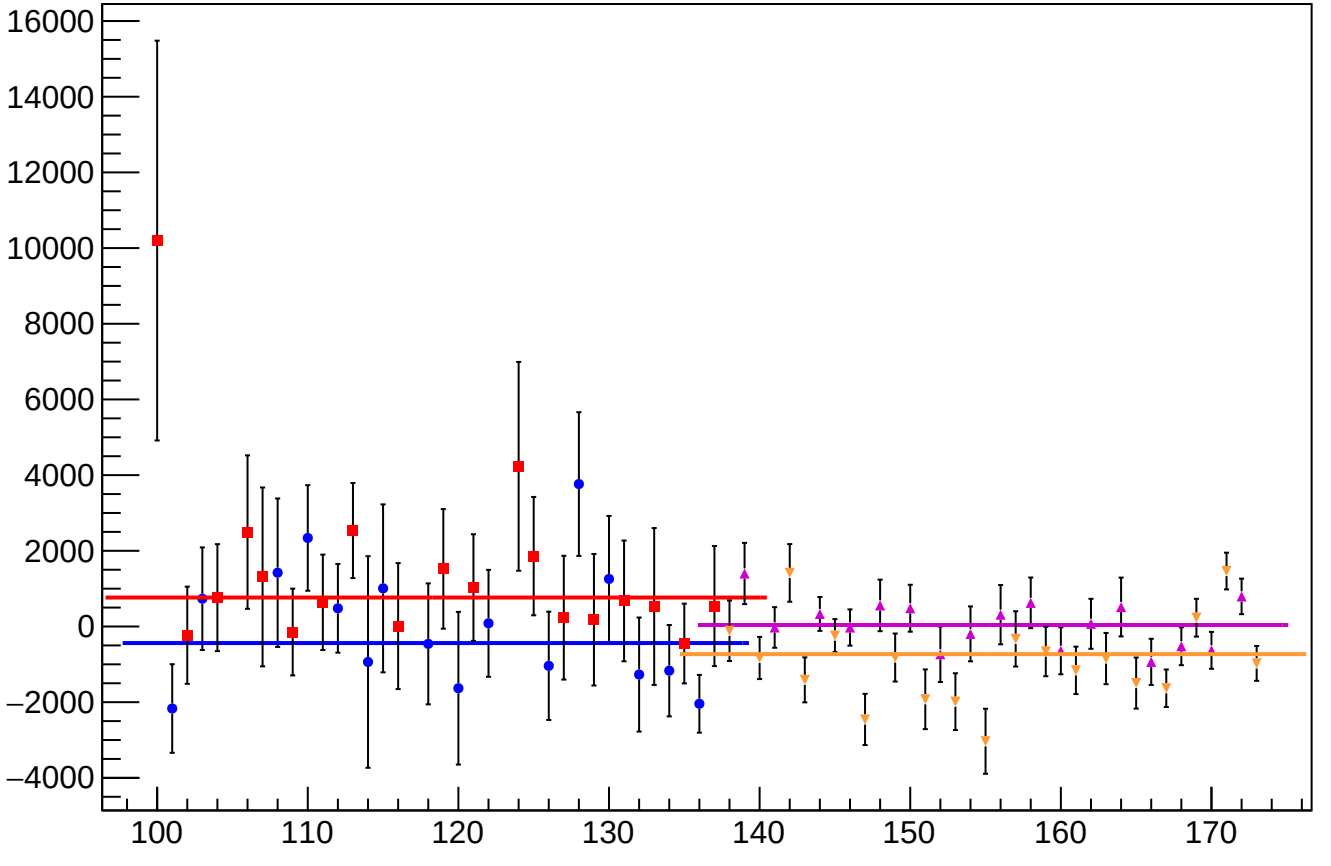
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 62.483+/-0.010 χ^2/NDF:824874.7/32

Out: 62.174+/-0.009 χ^2/NDF:951113.9/37

All: 62.324+/-0.007 χ^2/NDF: 1776505.0/70

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: -730.527+/-138.444 χ^2/NDF:59.8/18

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 39.707+/-143.318 χ^2/NDF:16.3/16

Left: -358.731+/-99.573 χ^2/NDF: 91.1/35

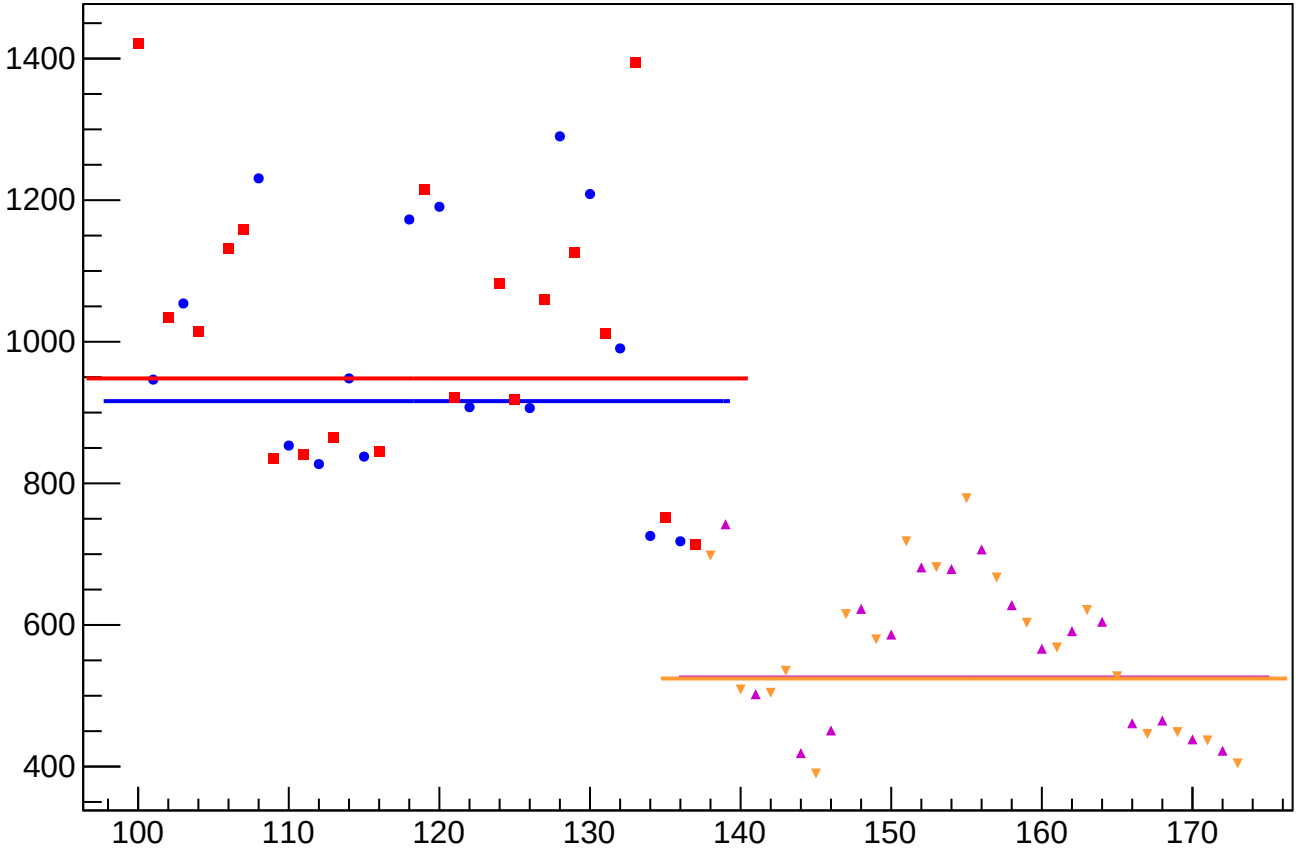
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: -29.187+/-132.568 χ^2/NDF:38.5/32

Out: -531.165+/-128.888 χ^2/NDF:86.7/37

All: -287.240+/-92.411 χ^2/NDF: 132.5/70

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: 524.374+/-0.098 χ^2/NDF:1175088.9/18

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 525.732+/-0.101 χ^2/NDF:963289.9/16

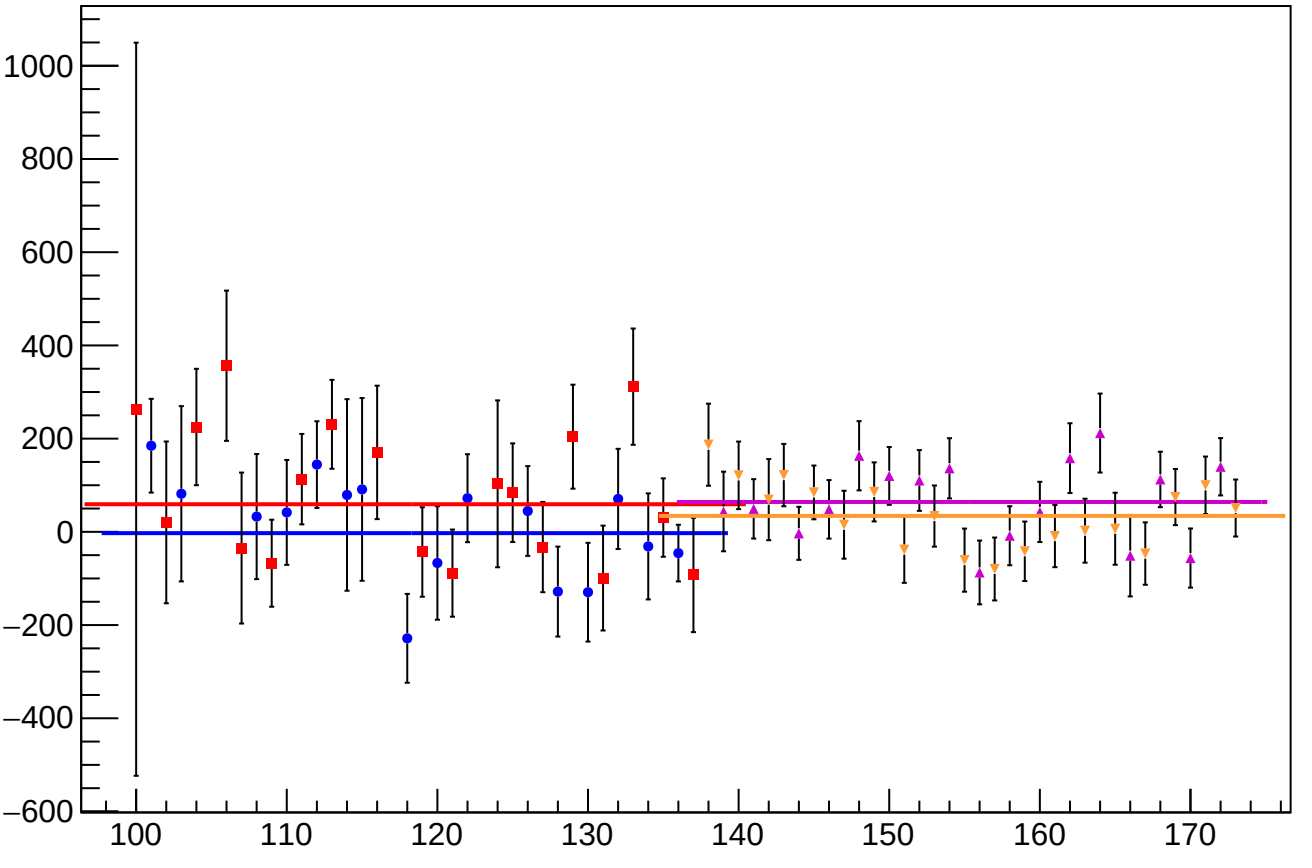
Left: 525.029+/-0.070 χ^2/NDF: 2138471.7/35

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 582.106+/-0.094 χ^2/NDF:3615609.7/32

Out: 580.864+/-0.091 χ^2/NDF:4088792.4/37

All: 581.468+/-0.065 χ^2/NDF: 7704492.4/70



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 34.227+/-15.507 χ^2/NDF:19.0/18

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 64.121+/-16.203 χ^2/NDF:24.4/16

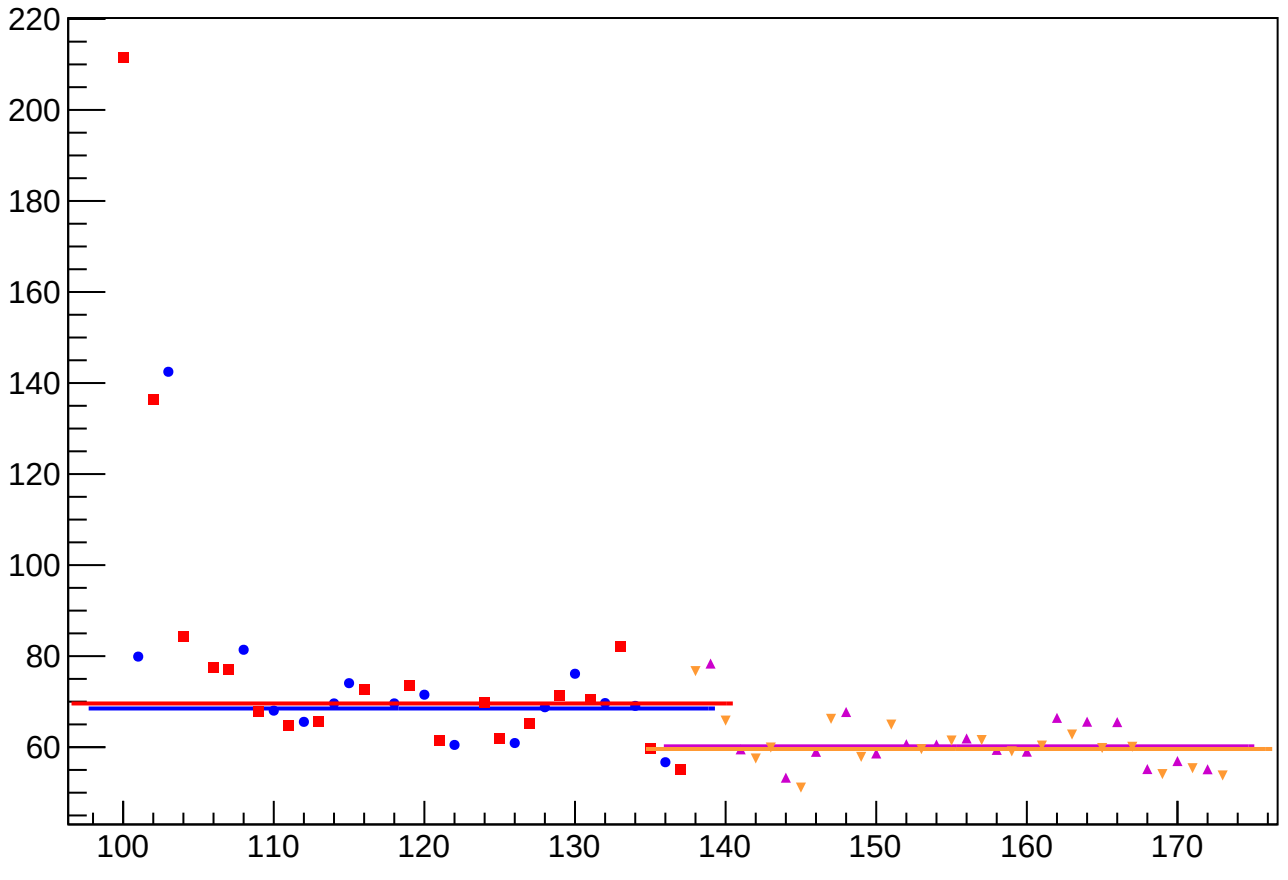
Left: 48.518+/-11.203 χ^2/NDF: 45.1/35

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 45.628+/-13.783 χ^2/NDF:46.8/32

Out: 40.645+/-13.369 χ^2/NDF:45.3/37

All: 43.061+/-9.596 χ^2/NDF: 92.1/70



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 59.602+/-0.011 χ^2/NDF:216376.4/18

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.184+/-0.011 χ^2/NDF:207410.2/16

Left: 59.880+/-0.008 χ^2/NDF: 425133.9/35

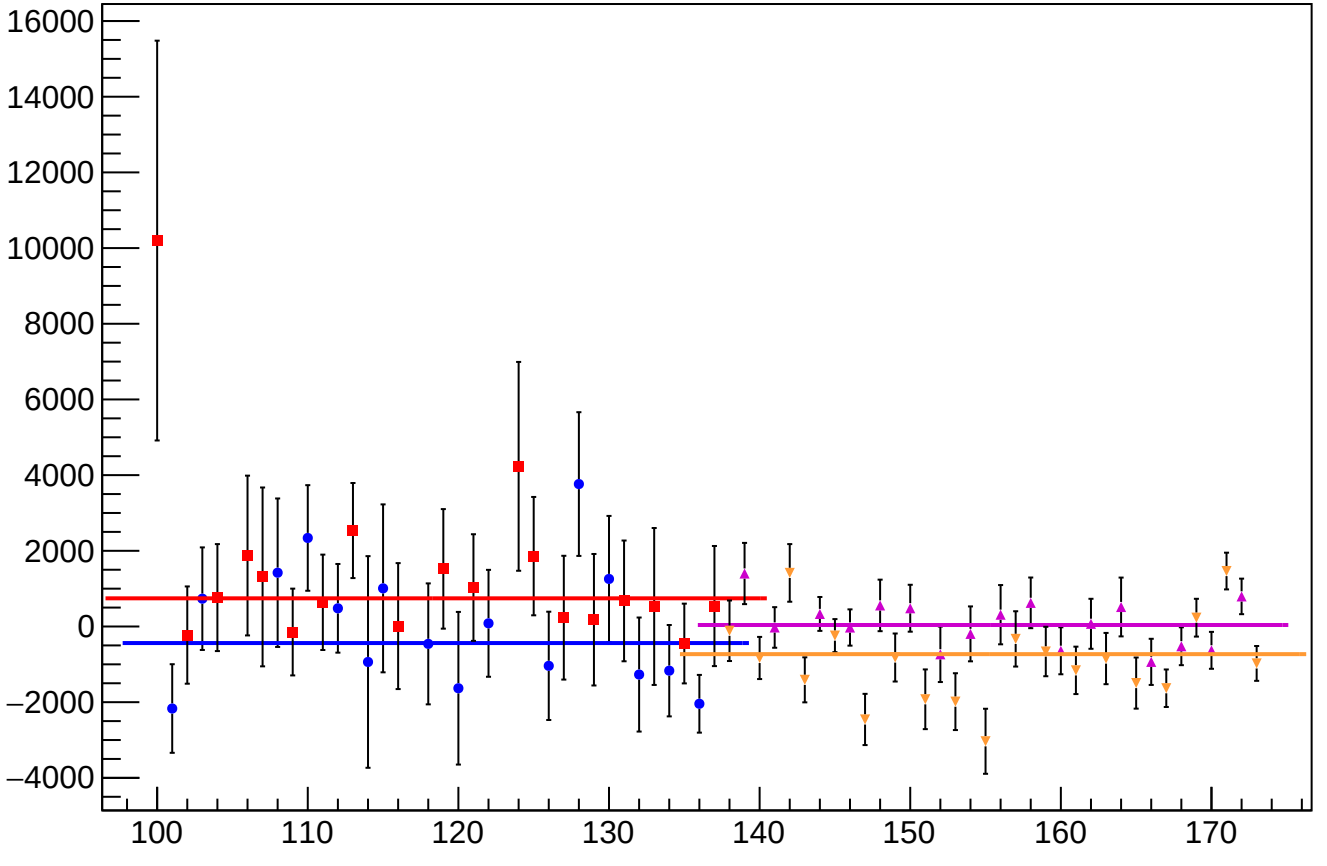
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 62.483+/-0.010 χ^2/NDF:824877.7/32

Out: 62.169+/-0.009 χ^2/NDF:949663.0/37

All: 62.321+/-0.007 χ^2/NDF: 1775074.2/70

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: -730.523+/-138.444 χ^2/NDF:59.8/18

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 39.709+/-143.318 χ^2/NDF:16.3/16

Left: -358.729+/-99.573 χ^2/NDF: 91.1/35

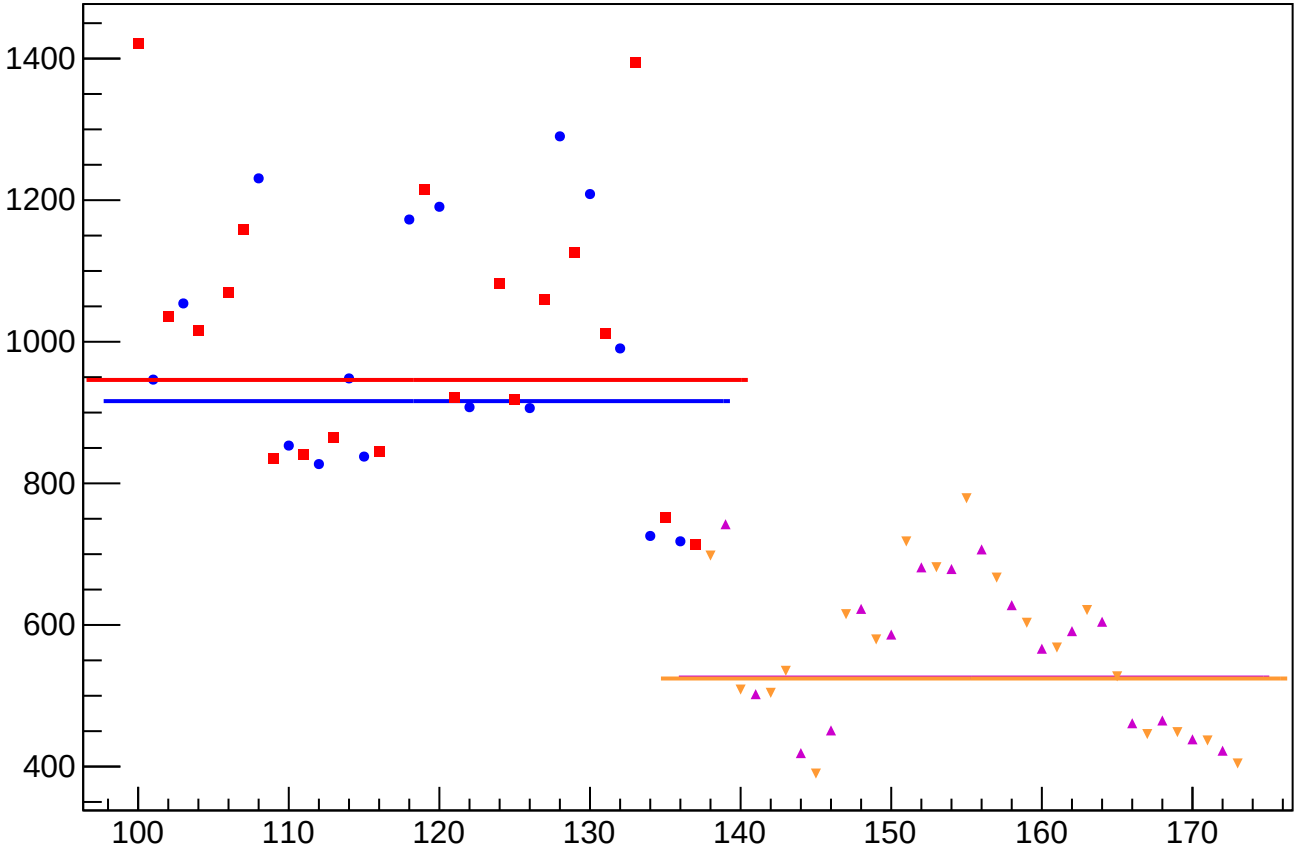
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -29.181+/-132.569 χ^2/NDF:38.5/32

Out: -534.374+/-128.909 χ^2/NDF:85.7/37

All: -288.846+/-92.419 χ^2/NDF: 131.7/70

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: 524.374+/-0.098 χ^2/NDF:1175092.5/18

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 525.732+/-0.101 χ^2/NDF:963288.5/16

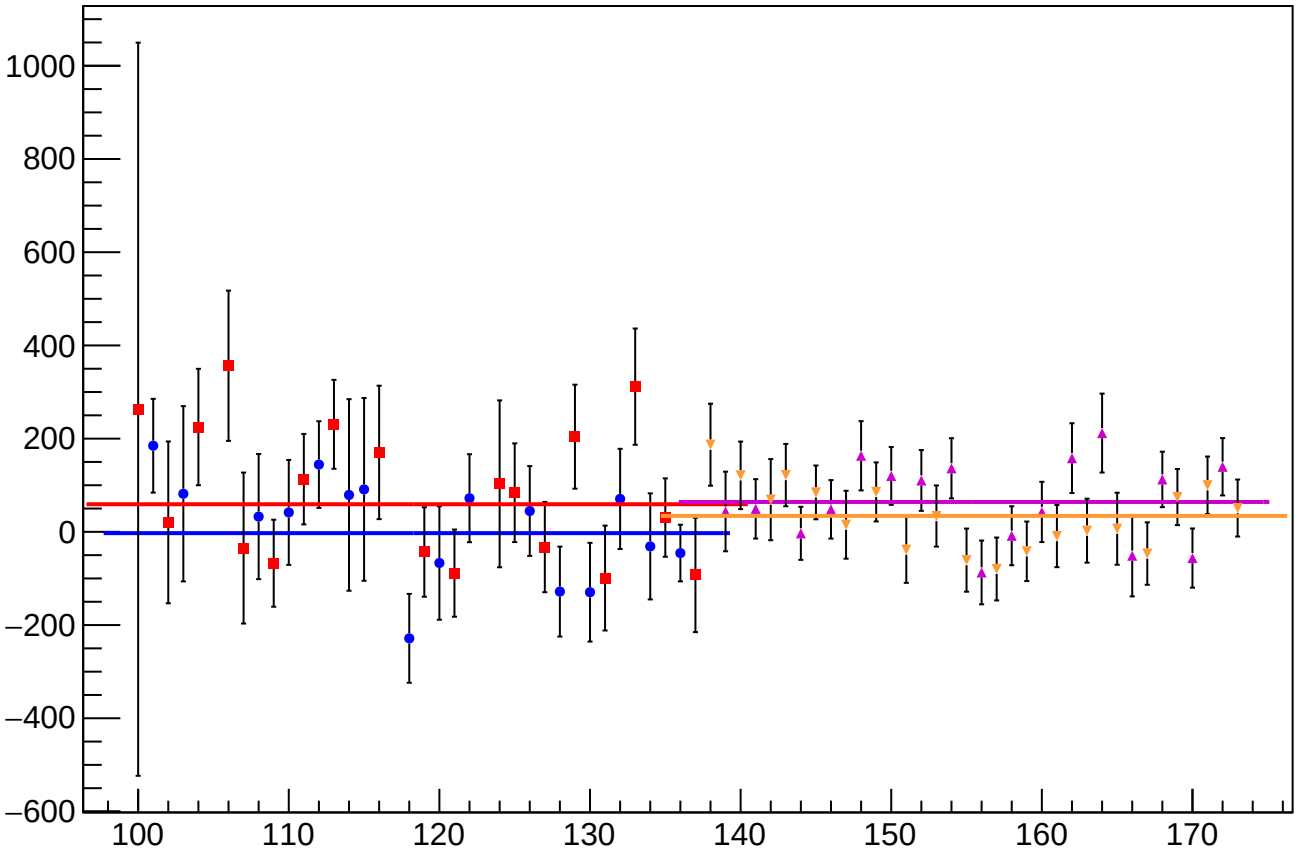
Left: 525.029+/-0.070 χ^2/NDF: 2138473.9/35

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 582.106+/-0.094 χ^2/NDF:3615653.2/32

Out: 580.458+/-0.091 χ^2/NDF:4048535.0/37

All: 581.259+/-0.065 χ^2/NDF: 7664347.1/70



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 34.227+/-15.507 χ^2/NDF:19.0/18

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 64.121+/-16.203 χ^2/NDF:24.4/16

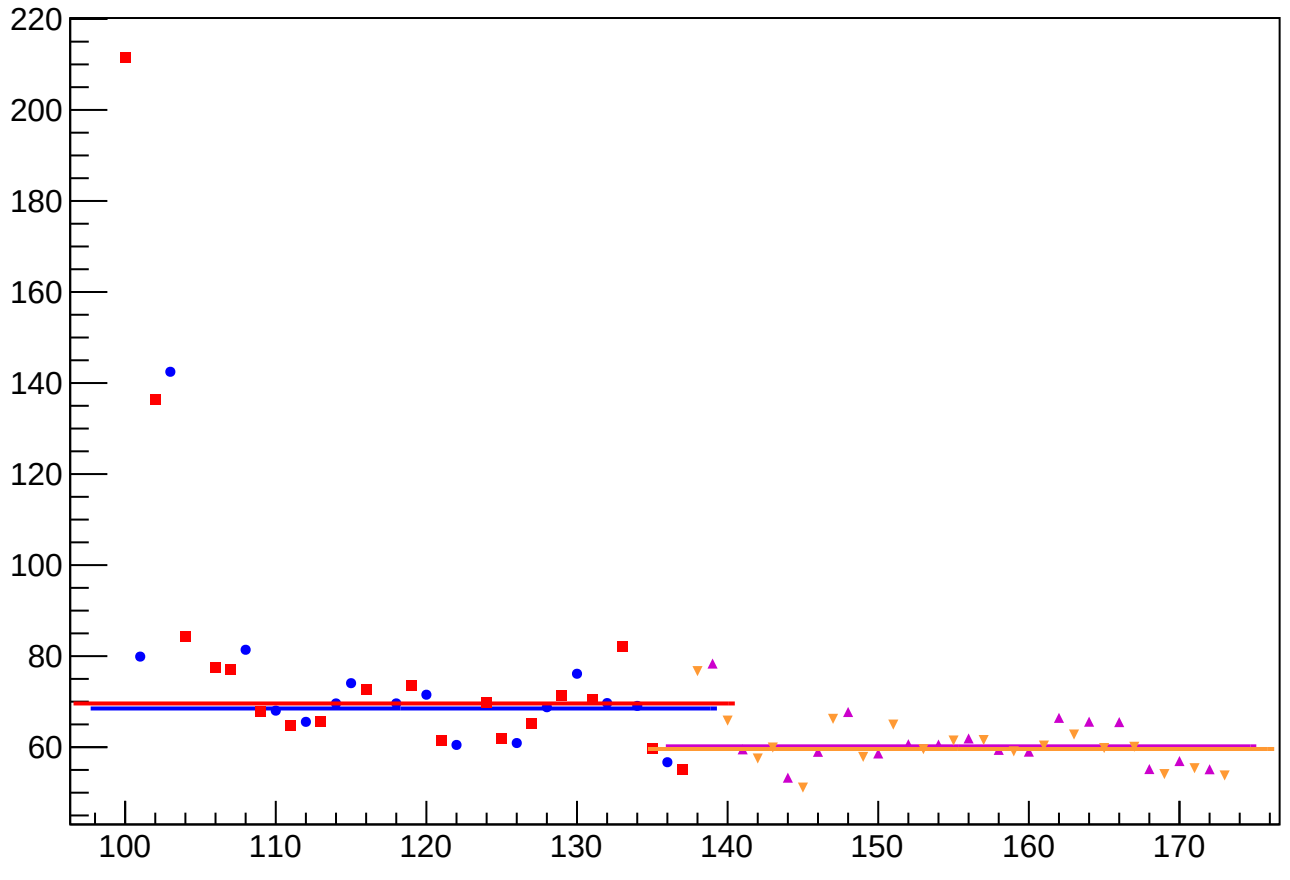
Left: 48.518+/-11.203 χ^2/NDF: 45.1/35

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 45.628+/-13.783 χ^2/NDF:46.8/32

Out: 40.645+/-13.369 χ^2/NDF:45.3/37

All: 43.061+/-9.596 χ^2/NDF: 92.1/70



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 59.602+/-0.011 χ^2/NDF:216376.4/18

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.184+/-0.011 χ^2/NDF:207410.2/16

Left: 59.880+/-0.008 χ^2/NDF: 425133.9/35

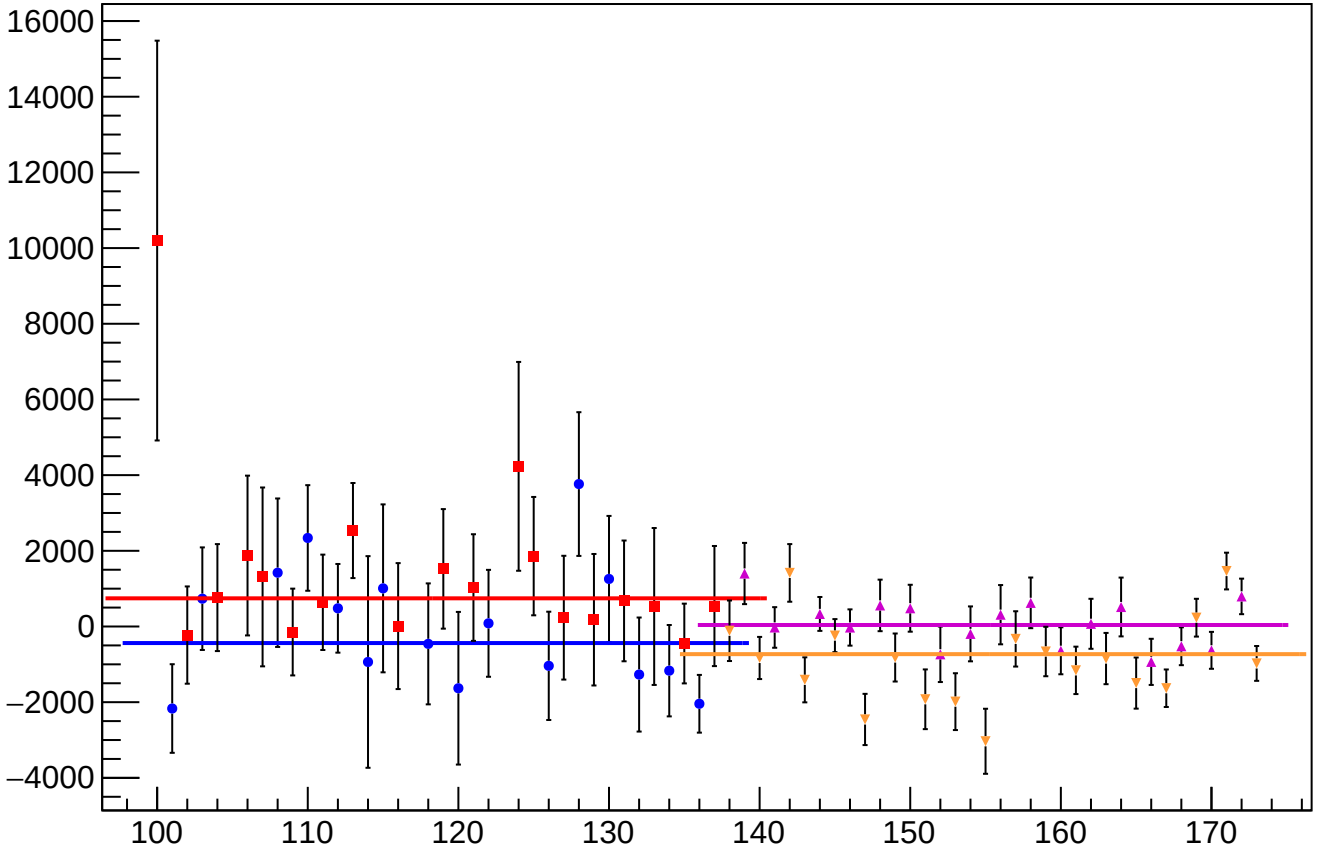
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 62.483+/-0.010 χ^2/NDF:824877.7/32

Out: 62.169+/-0.009 χ^2/NDF:949663.0/37

All: 62.321+/-0.007 χ^2/NDF: 1775074.2/70

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: -730.523+/-138.444 χ^2/NDF:59.8/18

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 39.709+/-143.318 χ^2/NDF:16.3/16

Left: -358.729+/-99.573 χ^2/NDF: 91.1/35

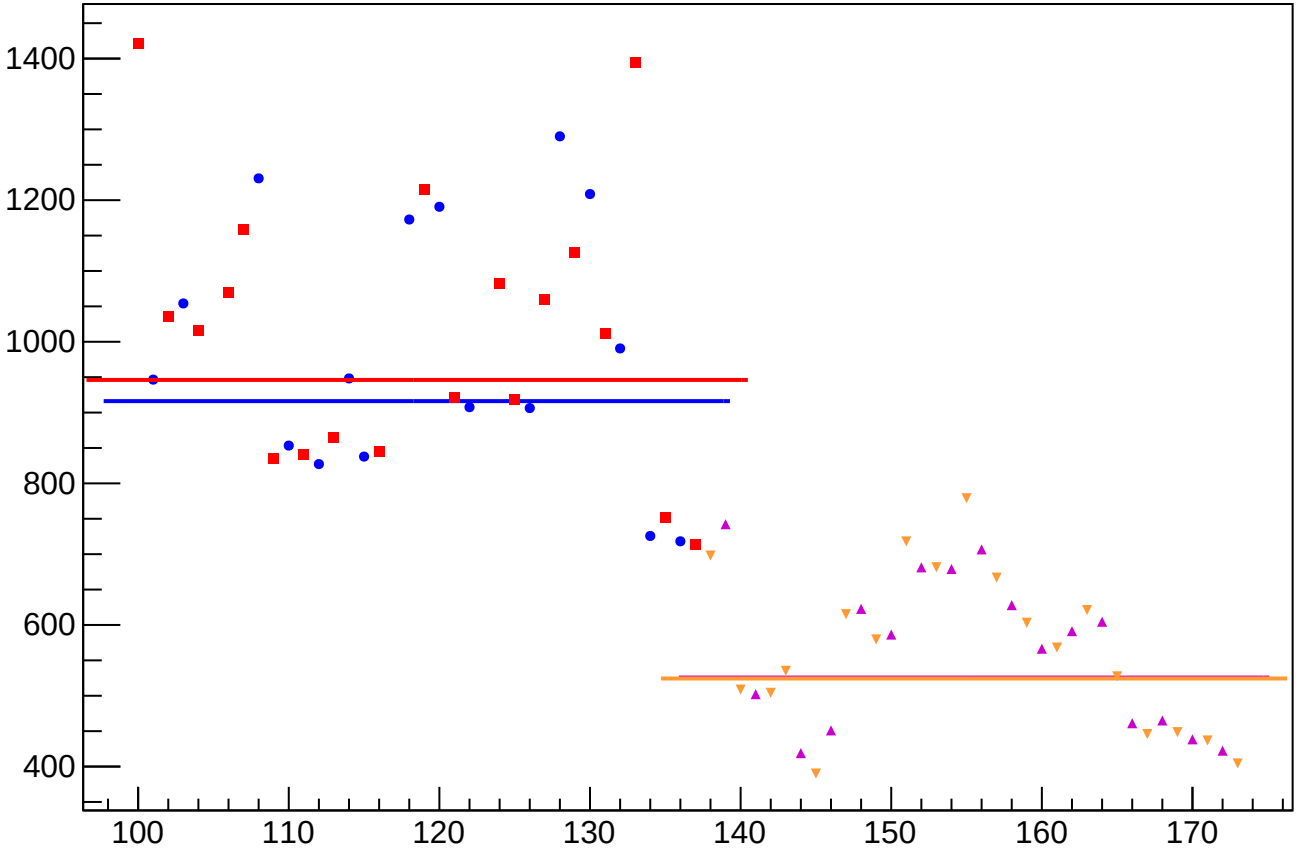
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -29.181+/-132.569 χ^2/NDF:38.5/32

Out: -534.374+/-128.909 χ^2/NDF:85.7/37

All: -288.846+/-92.419 χ^2/NDF: 131.7/70

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: 524.374+/-0.098 χ^2/NDF:1175092.5/18

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 525.732+/-0.101 χ^2/NDF:963288.5/16

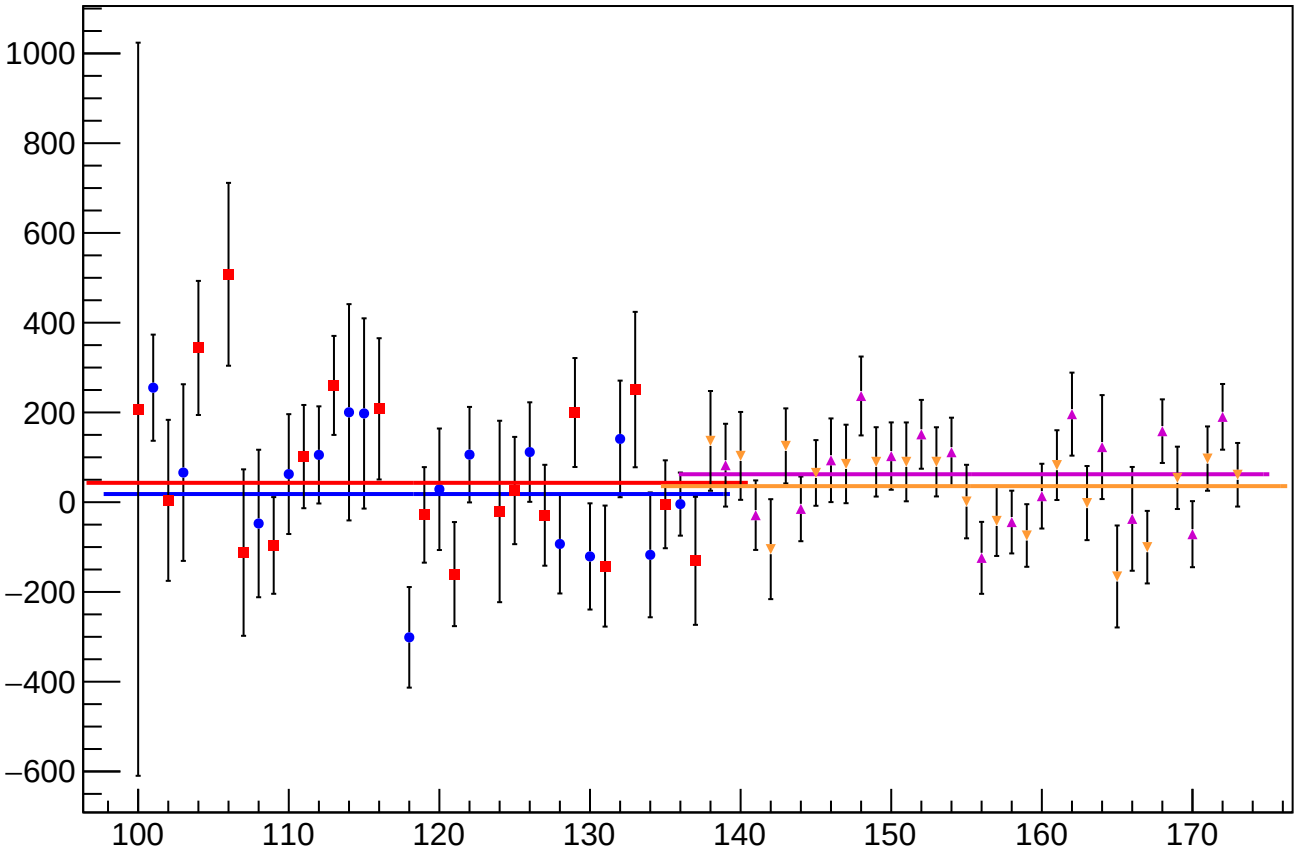
Left: 525.029+/-0.070 χ^2/NDF: 2138473.9/35

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 582.106+/-0.094 χ^2/NDF:3615653.2/32

Out: 580.458+/-0.091 χ^2/NDF:4048535.0/37

All: 581.259+/-0.065 χ^2/NDF: 7664347.1/70



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 35.790+/-18.718 χ^2/NDF:17.0/18

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 62.282+/-19.514 χ^2/NDF:28.1/16

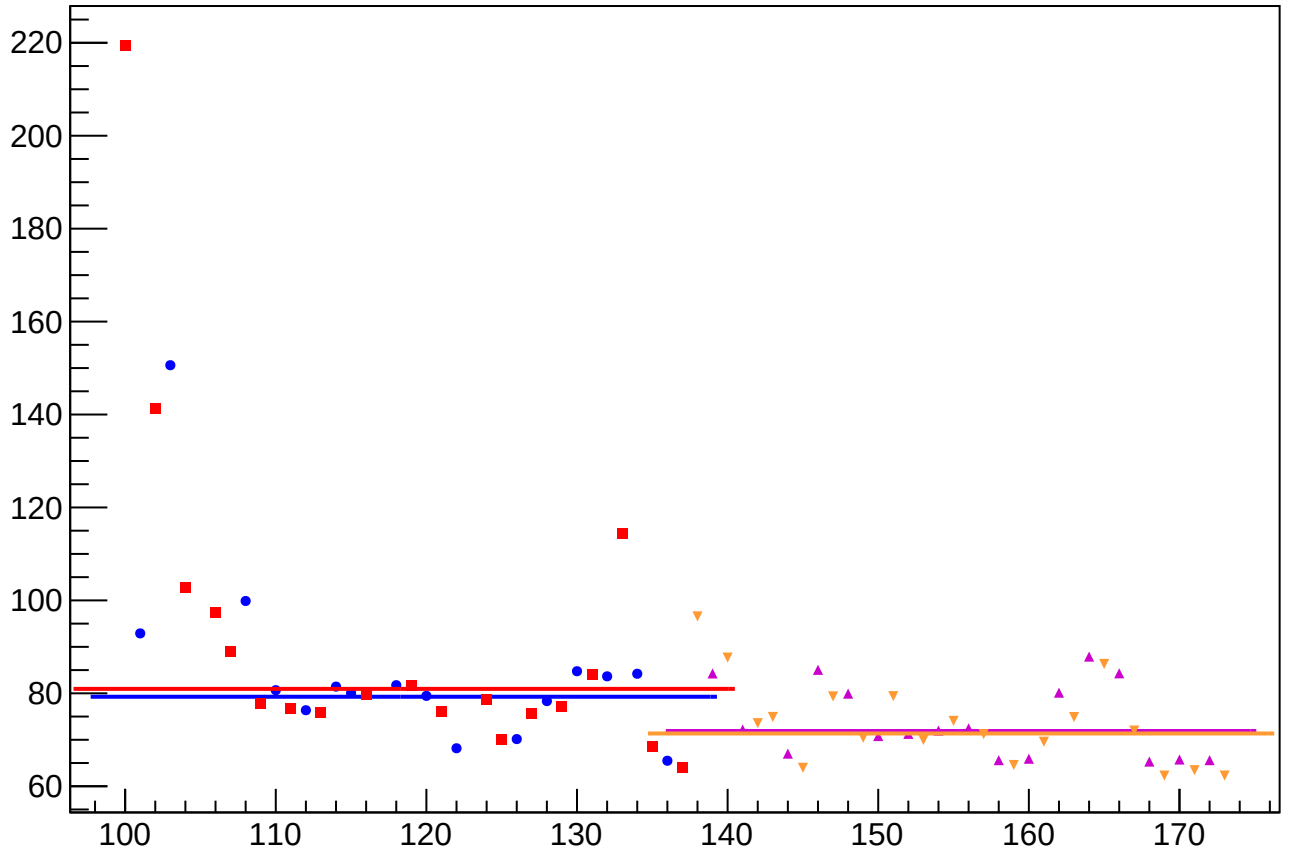
Left: 48.485+/-13.508 χ^2/NDF: 46.1/35

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 49.379+/-16.413 χ^2/NDF:49.8/32

Out: 37.783+/-15.983 χ^2/NDF:44.8/37

All: 43.427+/-11.451 χ^2/NDF: 94.8/70



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 71.355+/-0.013 χ^2/NDF:369079.1/18

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 71.884+/-0.014 χ^2/NDF:255220.2/16

Left: 71.608+/-0.010 χ^2/NDF: 625062.6/35

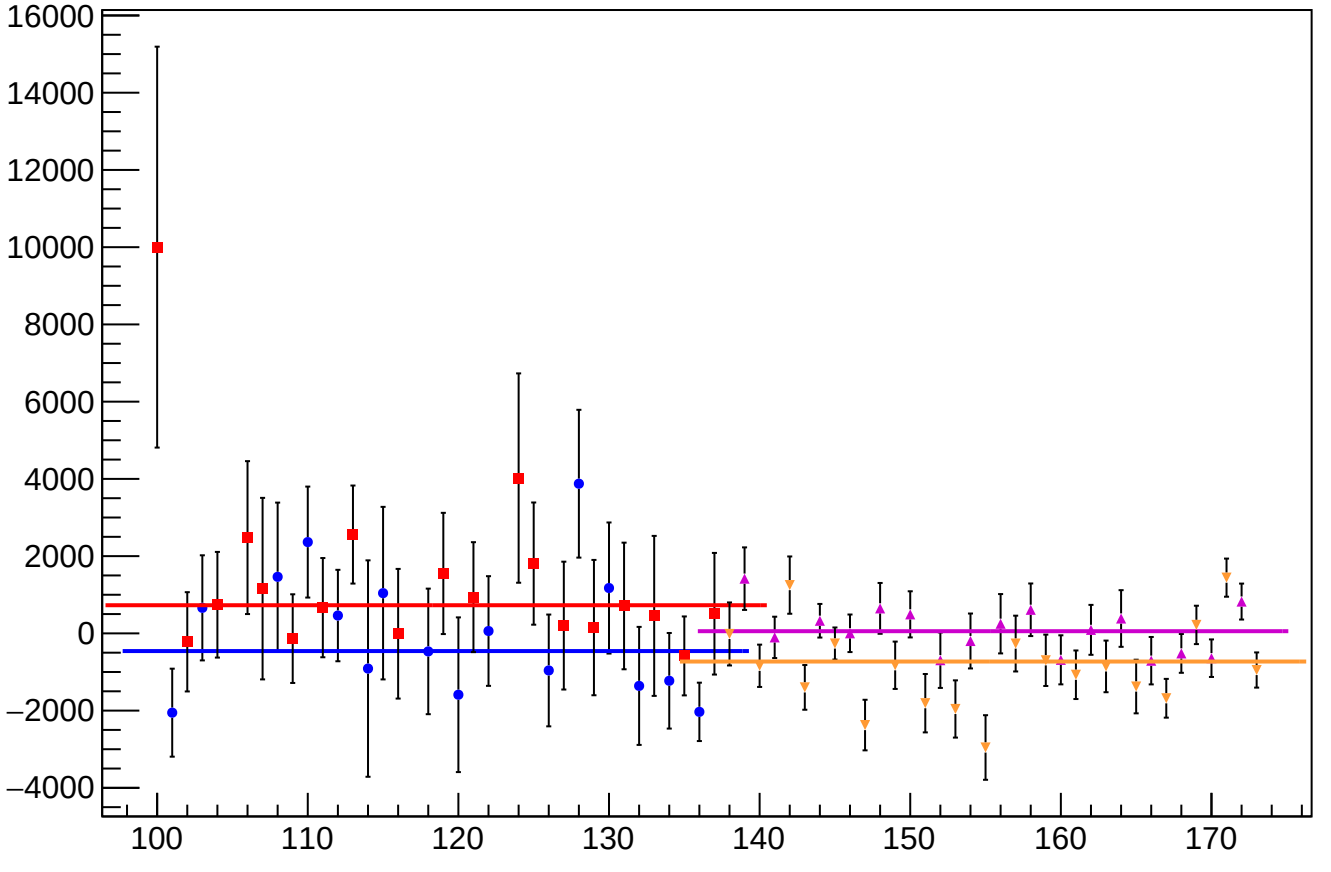
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 74.042+/-0.012 χ^2/NDF:783844.4/32

Out: 73.957+/-0.011 χ^2/NDF:1025870.4/37

All: 73.998+/-0.008 χ^2/NDF: 1809742.6/70

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: -729.130+/-136.858 χ^2/NDF:57.2/18

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 56.466+/-142.002 χ^2/NDF:15.8/16

Left: -350.820+/-98.542 χ^2/NDF: 88.8/35

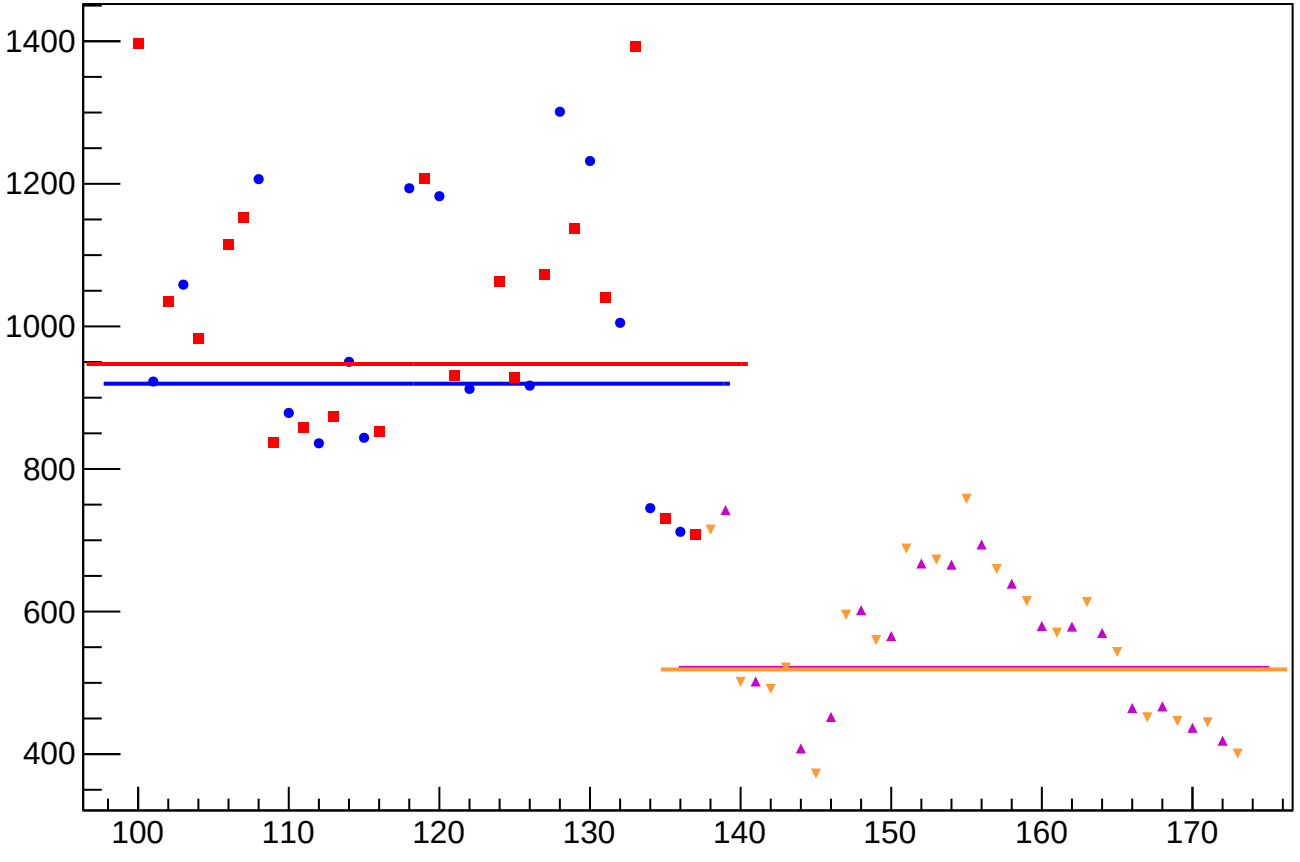
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: -16.238+/-131.588 χ^2/NDF:37.9/32

Out: -538.229+/-127.583 χ^2/NDF:83.5/37

All: -285.299+/-91.598 χ^2/NDF: 129.6/70

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: 518.804+/-0.097 χ^2/NDF:1186627.2/18

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 521.005+/-0.100 χ^2/NDF:934185.9/16

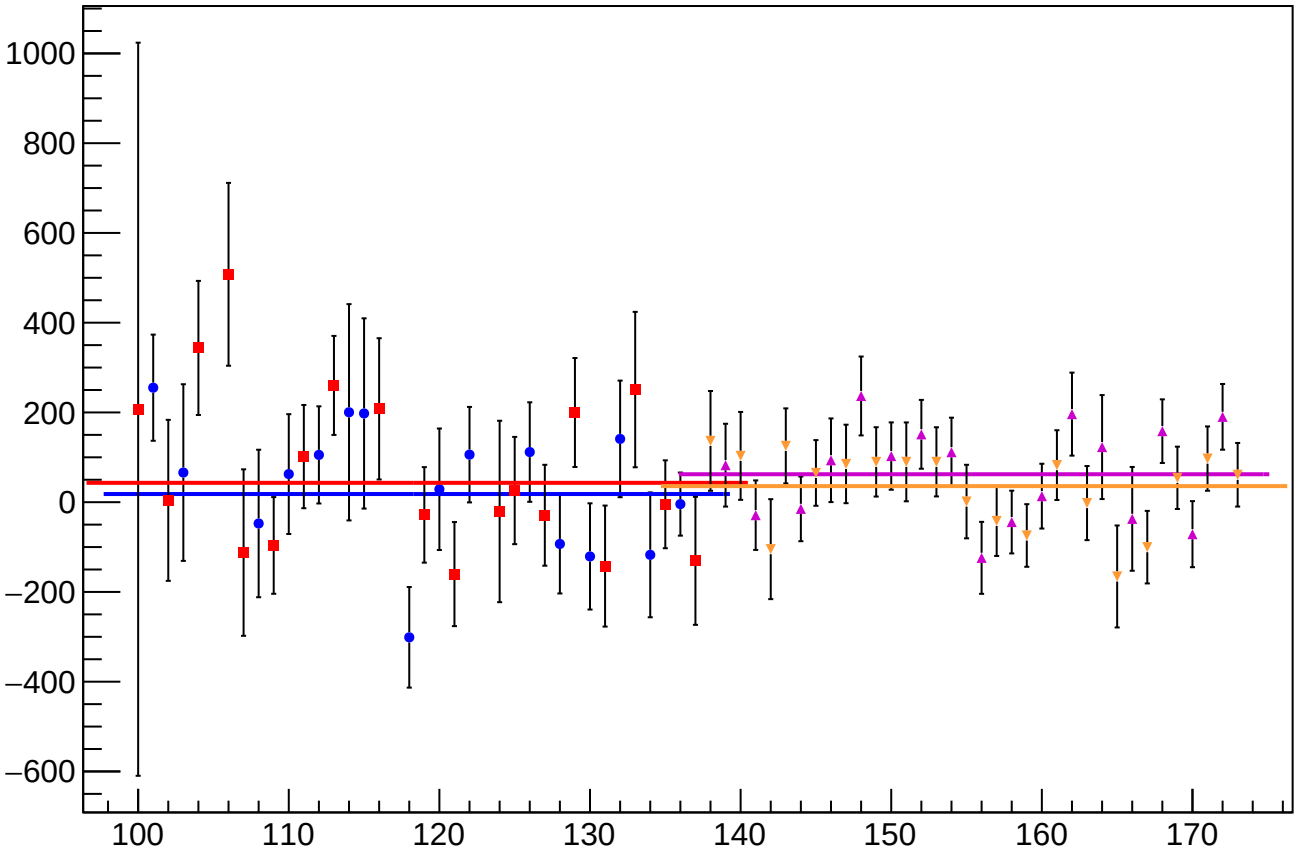
Left: 519.864+/-0.070 χ^2/NDF: 2121062.2/35

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 577.329+/-0.093 χ^2/NDF:3676529.2/32

Out: 574.910+/-0.090 χ^2/NDF:4179118.9/37

All: 576.082+/-0.065 χ^2/NDF: 7855996.4/70



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 35.790+/-18.719 χ^2/NDF:17.0/18

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 62.281+/-19.514 χ^2/NDF:28.1/16

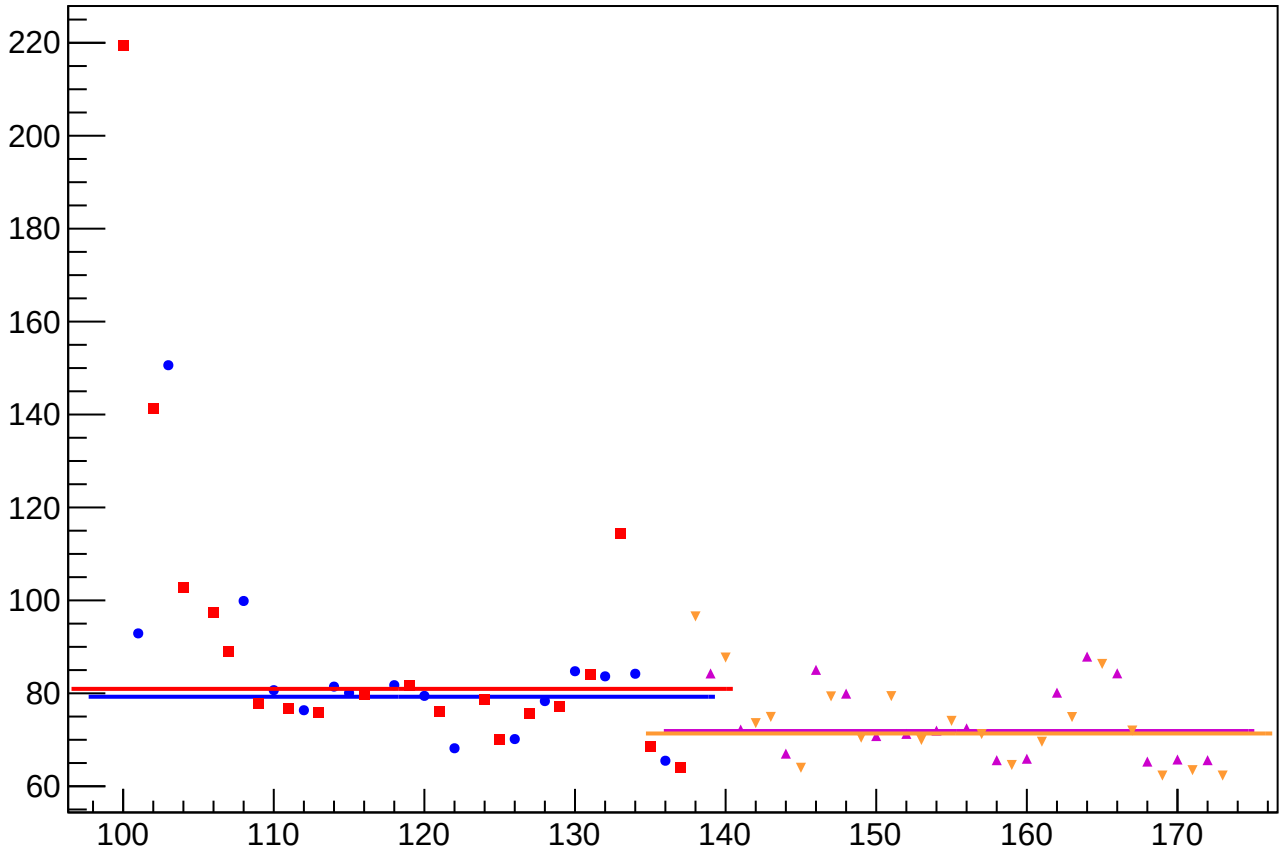
Left: 48.485+/-13.508 χ^2/NDF: 46.1/35

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 49.379+/-16.413 χ^2/NDF:49.8/32

Out: 37.782+/-15.983 χ^2/NDF:44.8/37

All: 43.427+/-11.451 χ^2/NDF: 94.8/70



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 71.356+/-0.013 χ^2/NDF:369078.0/18

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 71.884+/-0.014 χ^2/NDF:255223.8/16

Left: 71.609+/-0.010 χ^2/NDF: 625065.1/35

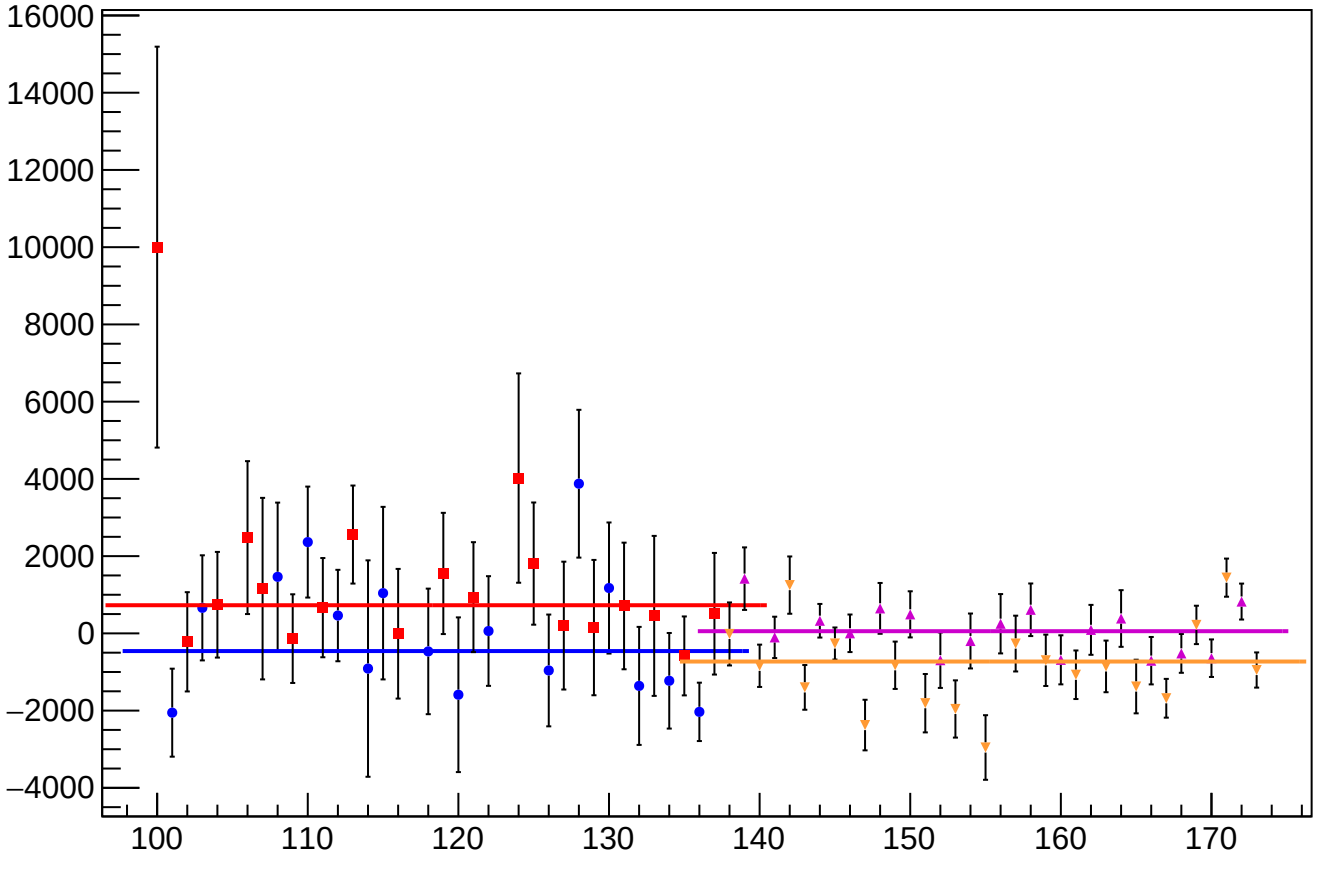
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 74.042+/-0.012 χ^2/NDF:783834.1/32

Out: 73.957+/-0.011 χ^2/NDF:1025865.5/37

All: 73.999+/-0.008 χ^2/NDF: 1809727.3/70

asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -729.130+/-136.858 χ^2/NDF:57.2/18

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 56.465+/-142.002 χ^2/NDF:15.8/16

Left: -350.820+/-98.541 χ^2/NDF: 88.8/35

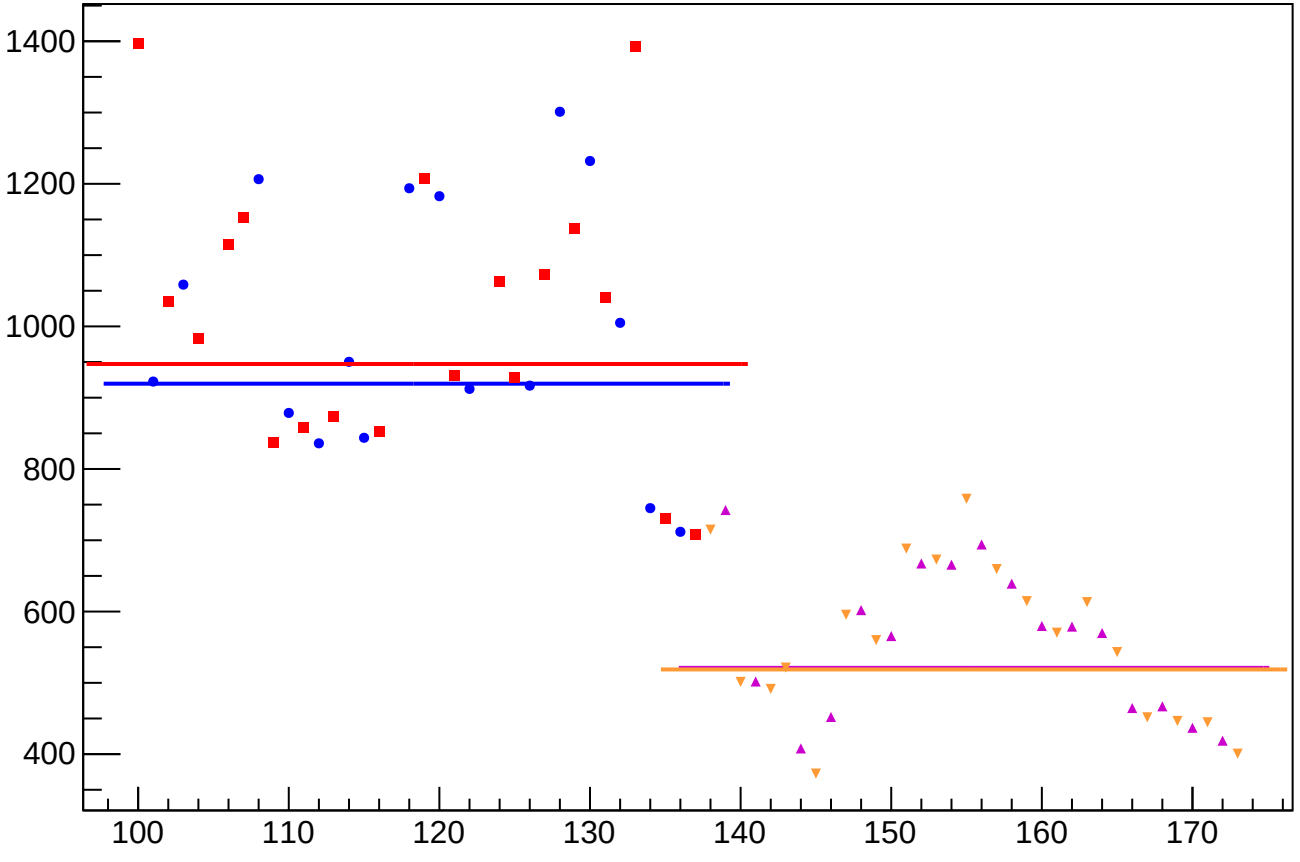
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: -16.239+/-131.588 χ^2/NDF:37.9/32

Out: -538.229+/-127.583 χ^2/NDF:83.5/37

All: -285.299+/-91.598 χ^2/NDF: 129.6/70

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: 518.804+/-0.097 χ^2/NDF:1186630.0/18

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 521.005+/-0.100 χ^2/NDF:934185.0/16

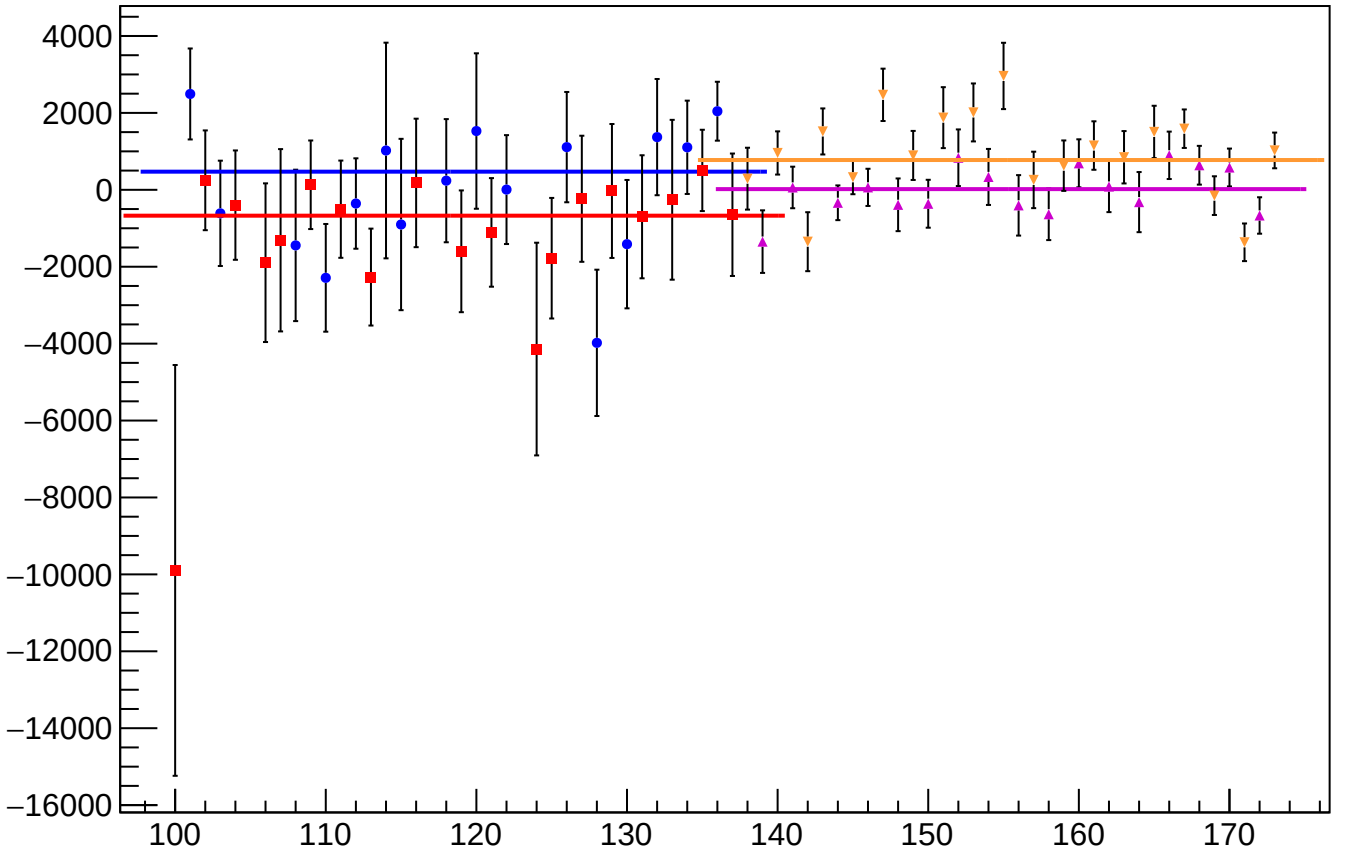
Left: 519.863+/-0.070 χ^2/NDF: 2121064.1/35

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 577.328+/-0.093 χ^2/NDF:3676524.0/32

Out: 574.909+/-0.090 χ^2/NDF:4179117.6/37

All: 576.081+/-0.065 χ^2/NDF: 7855989.8/70



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 774.716+/-139.408 χ^2/NDF:55.5/18

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: 18.263+/-144.339 χ^2/NDF:15.1/16

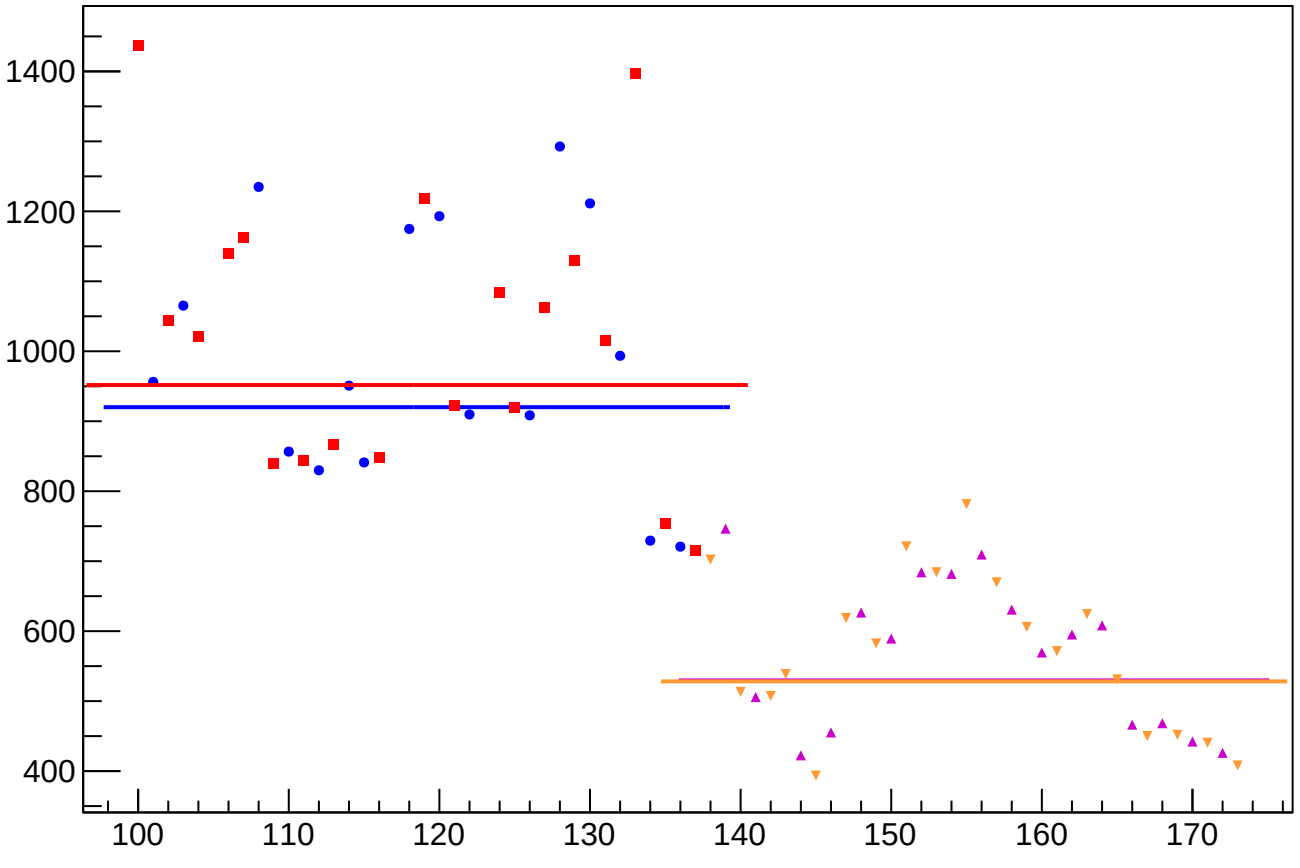
Left: 409.634+/-100.274 χ^2/NDF: 84.9/35

Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 84.096+/-133.459 χ^2/NDF:38.0/32

Out: 580.891+/-129.737 χ^2/NDF:80.3/37

All: 339.516+/-93.026 χ^2/NDF: 125.4/70



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 528.204+/-0.099 χ^2/NDF:1155892.3/18

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 529.650+/-0.102 χ^2/NDF:946539.7/16

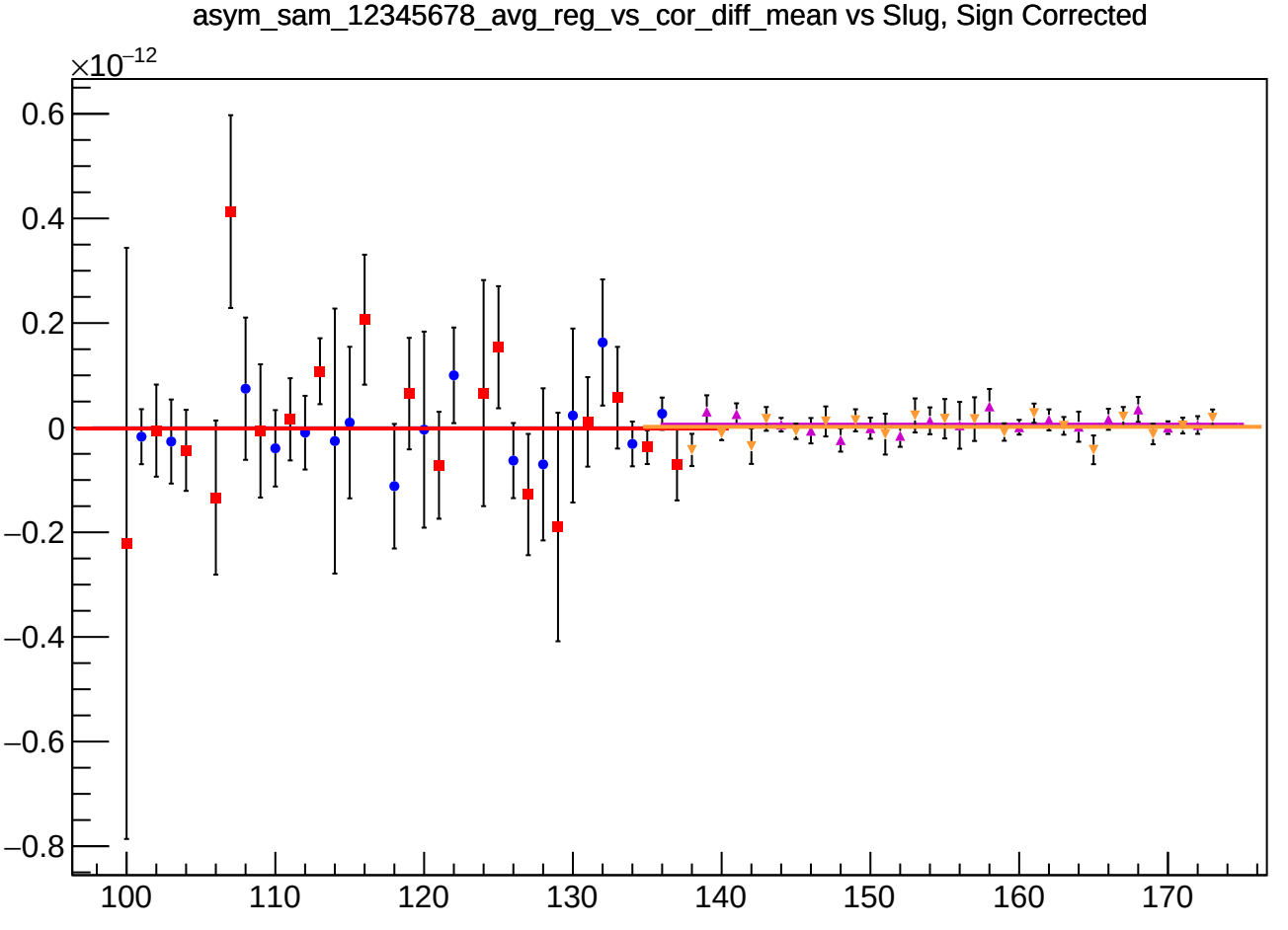
Left: 528.902+/-0.071 χ^2/NDF: 2102535.9/35

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 586.303+/-0.094 χ^2/NDF:3578808.9/32

Out: 584.925+/-0.092 χ^2/NDF:4044158.9/37

All: 585.594+/-0.066 χ^2/NDF: 7623077.5/70



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.1/18

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:8.2/16

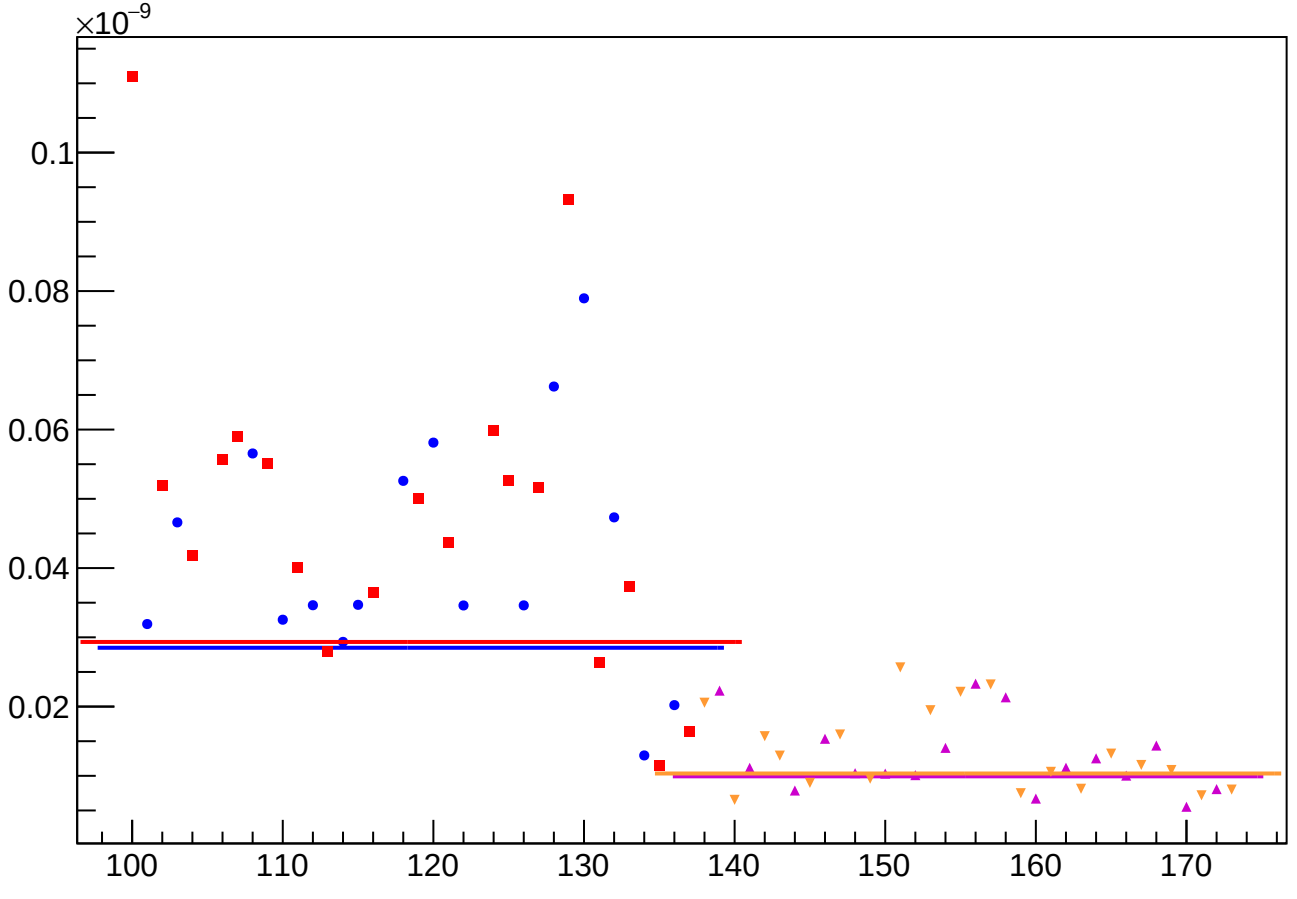
Left: 0.000+/-0.000 χ^2/NDF: 22.7/35

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:15.4/32

Out: 0.000+/-0.000 χ^2/NDF:33.5/37

All: 0.000+/-0.000 χ^2/NDF: 49.3/70



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1668273.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1422735.0/16

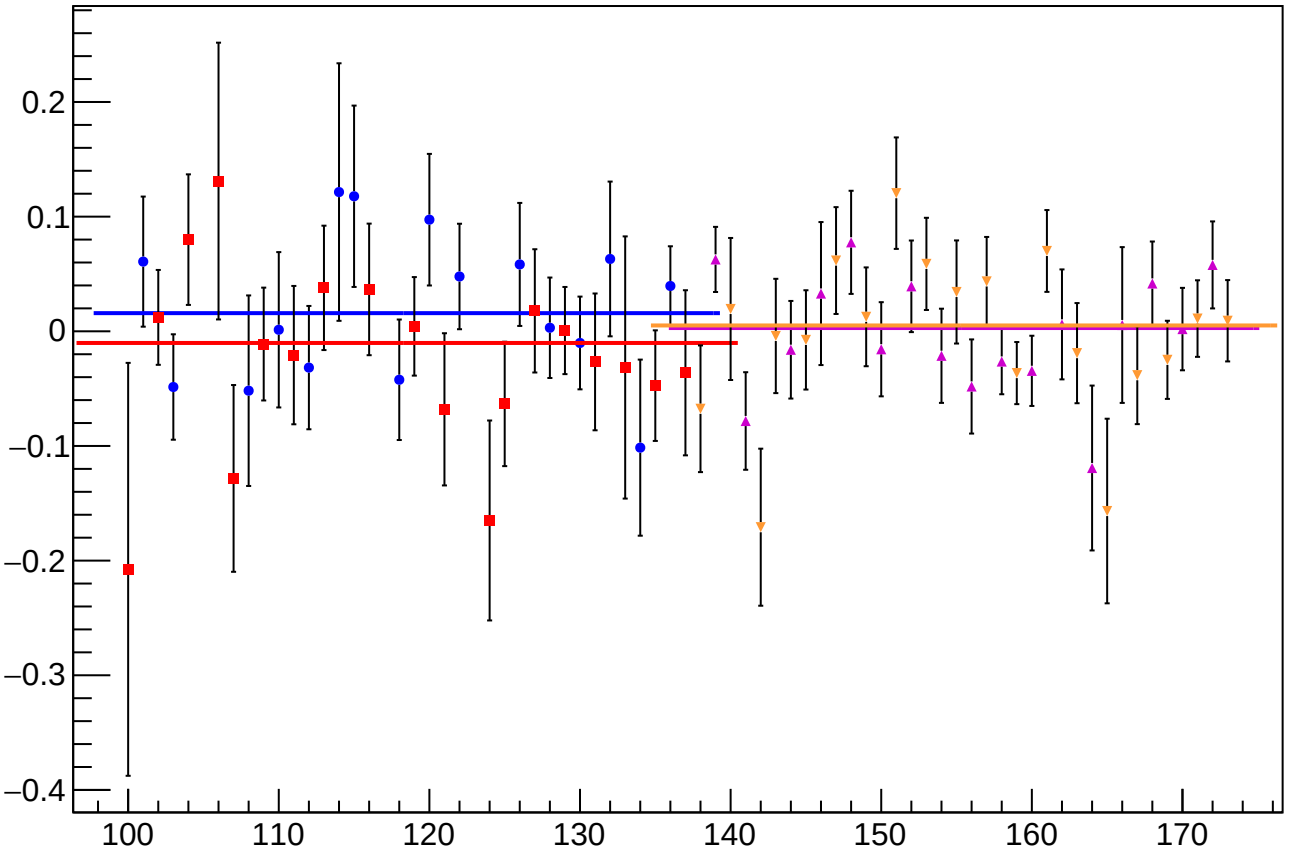
Left: 0.000+/-0.000 χ^2/NDF: 3098533.6/35

Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:4624566.1/32

Out: 0.000+/-0.000 χ^2/NDF:5152459.0/37

All: 0.000+/-0.000 χ^2/NDF: 9779043.0/70



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.005+/-0.010 χ^2/NDF:30.7/18

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.003+/-0.010 χ^2/NDF:22.8/16

Left: 0.004+/-0.007 χ^2/NDF: 53.6/35

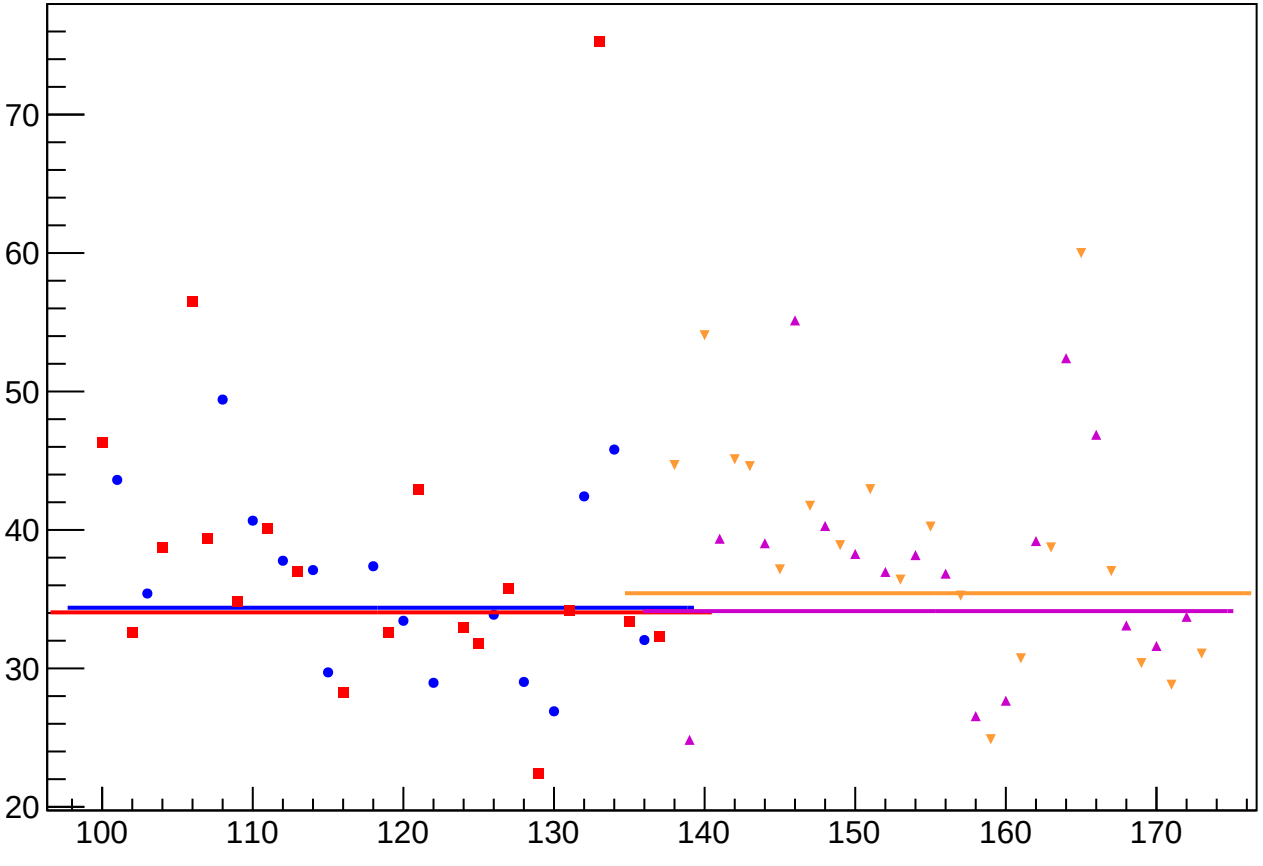
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:38.2/32

Out: -0.000+/-0.008 χ^2/NDF:46.7/37

All: 0.004+/-0.006 χ^2/NDF: 85.4/70

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 35.430+/-0.007 χ^2/NDF:1160280.7/18

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.139+/-0.007 χ^2/NDF:1057445.0/16

Left: 34.785+/-0.005 χ^2/NDF: 2235826.3/35

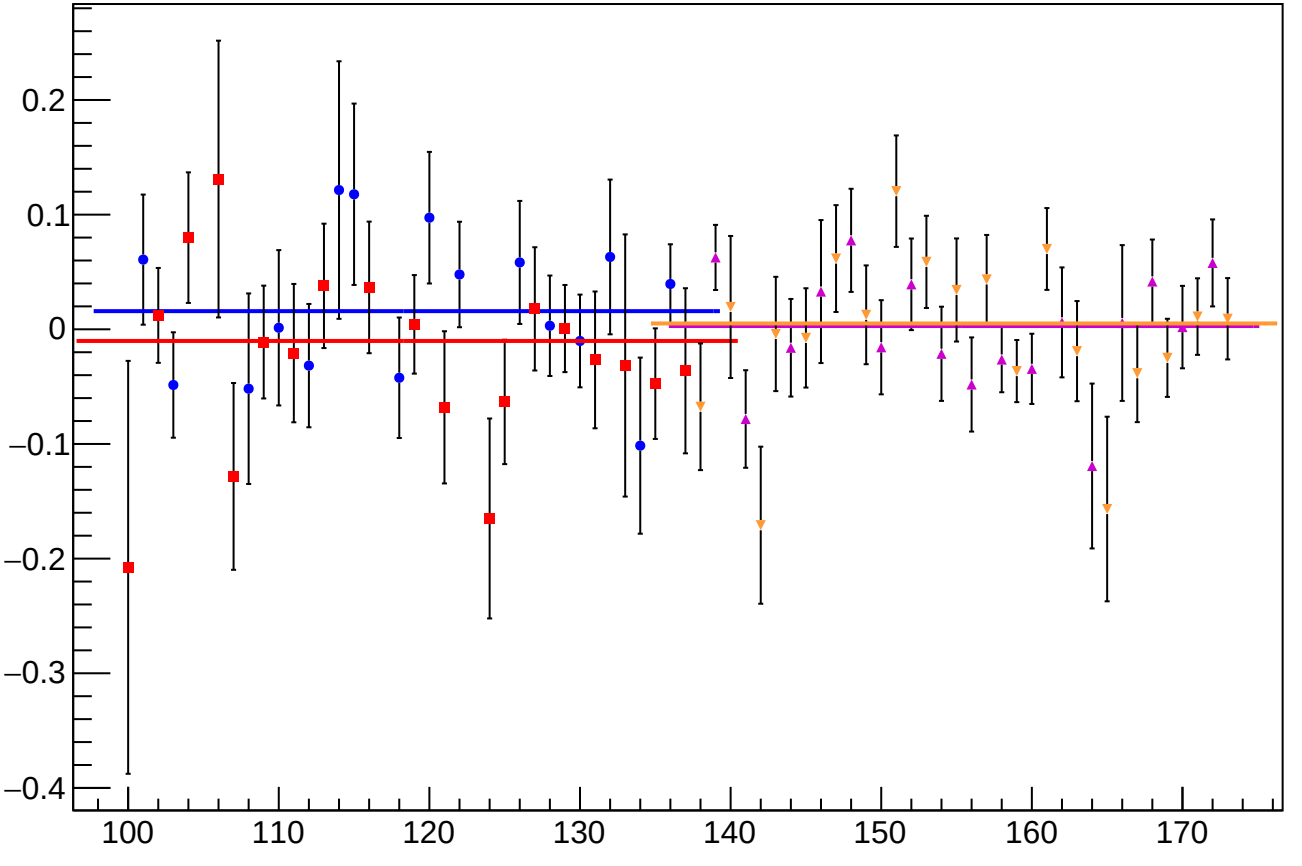
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.221+/-0.006 χ^2/NDF:1425762.4/32

Out: 34.952+/-0.005 χ^2/NDF:1817324.2/37

All: 34.589+/-0.004 χ^2/NDF: 3251912.9/70

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.005+/-0.010 χ^2/NDF:30.7/18

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.003+/-0.010 χ^2/NDF:22.8/16

Left: 0.004+/-0.007 χ^2/NDF: 53.6/35

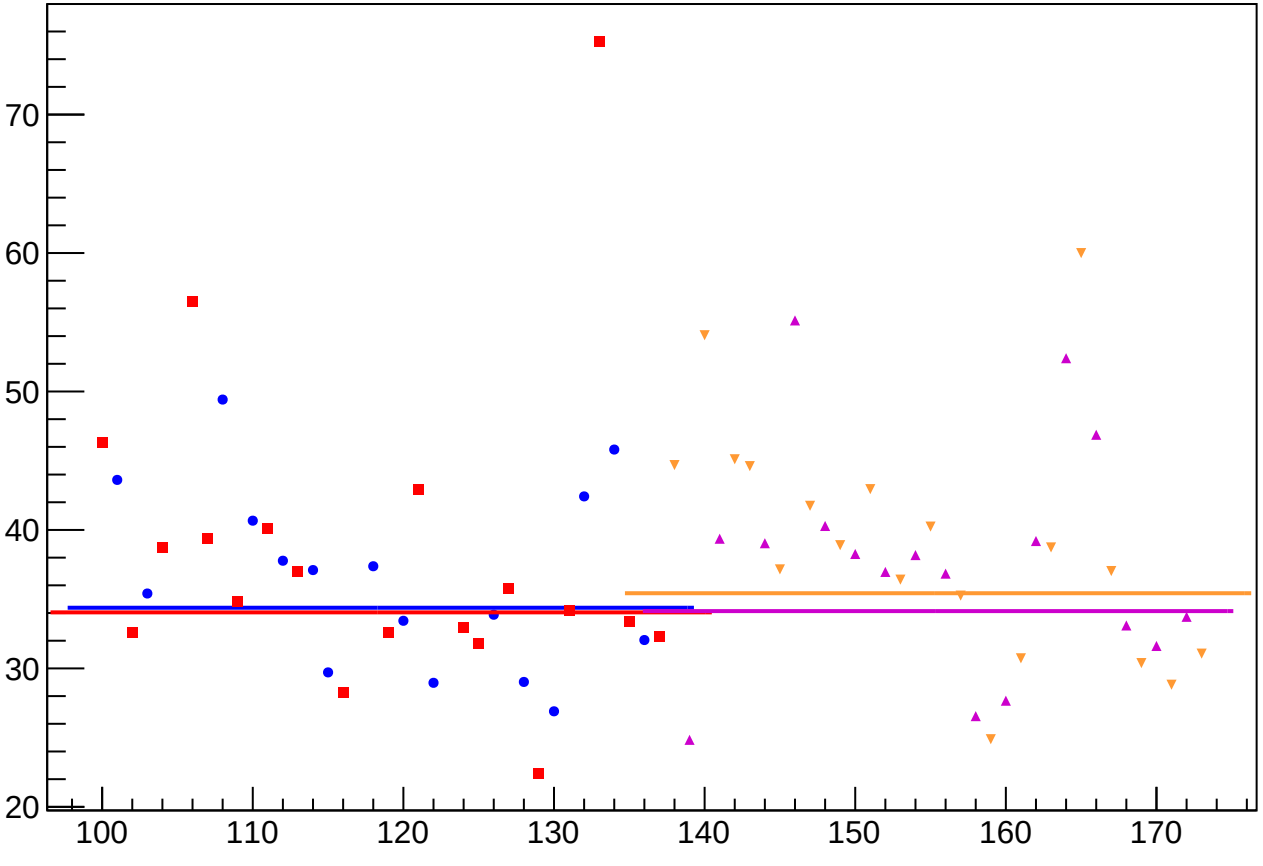
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:38.2/32

Out: -0.000+/-0.008 χ^2/NDF:46.7/37

All: 0.004+/-0.006 χ^2/NDF: 85.4/70

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: 35.430+/-0.007 χ^2/NDF:1160280.7/18

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.139+/-0.007 χ^2/NDF:1057445.0/16

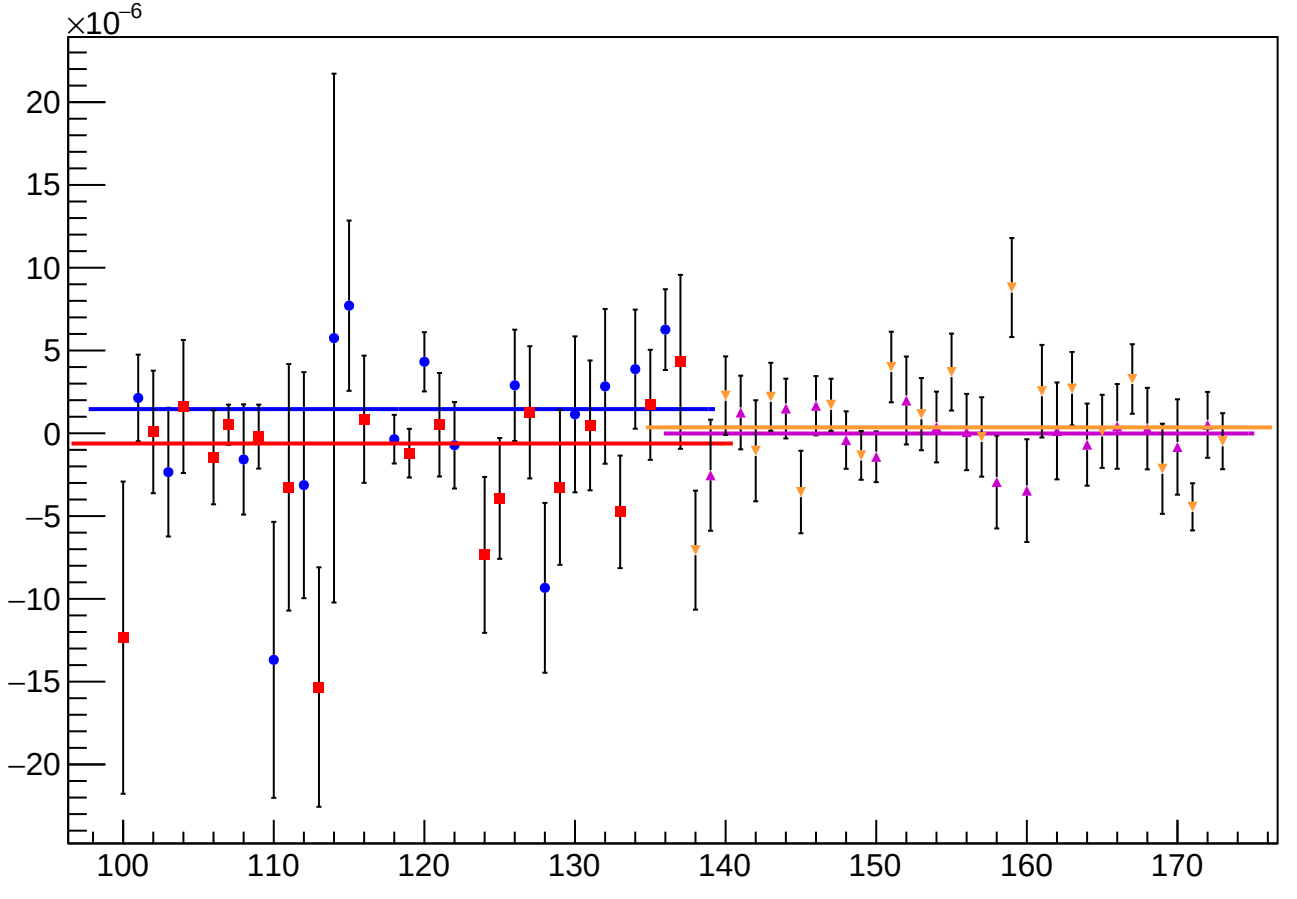
Left: 34.785+/-0.005 χ^2/NDF: 2235826.3/35

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.221+/-0.006 χ^2/NDF:1425762.4/32

Out: 34.952+/-0.005 χ^2/NDF:1817324.2/37

All: 34.589+/-0.004 χ^2/NDF: 3251912.9/70



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.7/18

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/16

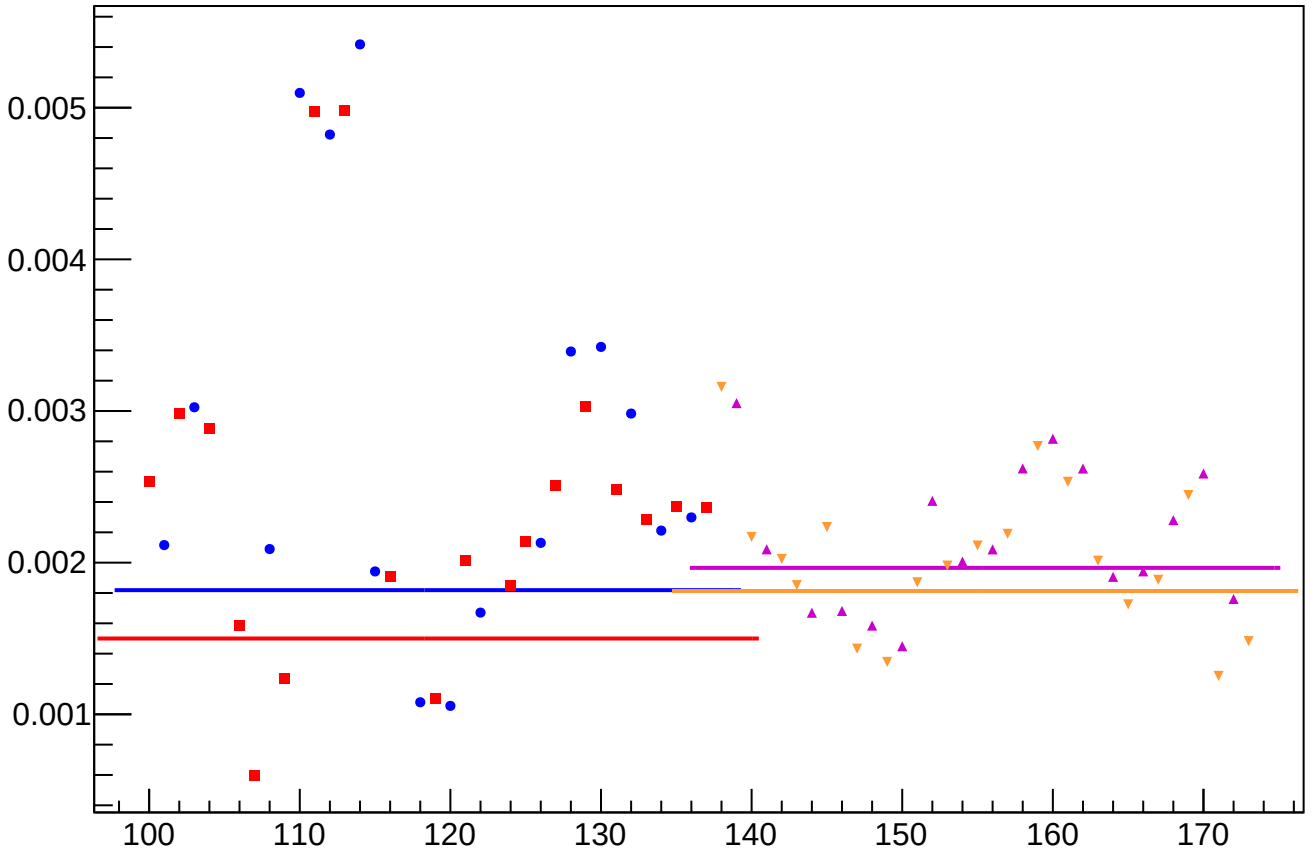
Left: 0.000+/-0.000 χ^2/NDF: 46.5/35

Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:30.1/32

Out: 0.000+/-0.000 χ^2/NDF:55.1/37

All: 0.000+/-0.000 χ^2/NDF: 85.8/70



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1658767.9/18

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:1214337.5/16

Left: 0.002+/-0.000 χ^2/NDF: 2961446.8/35

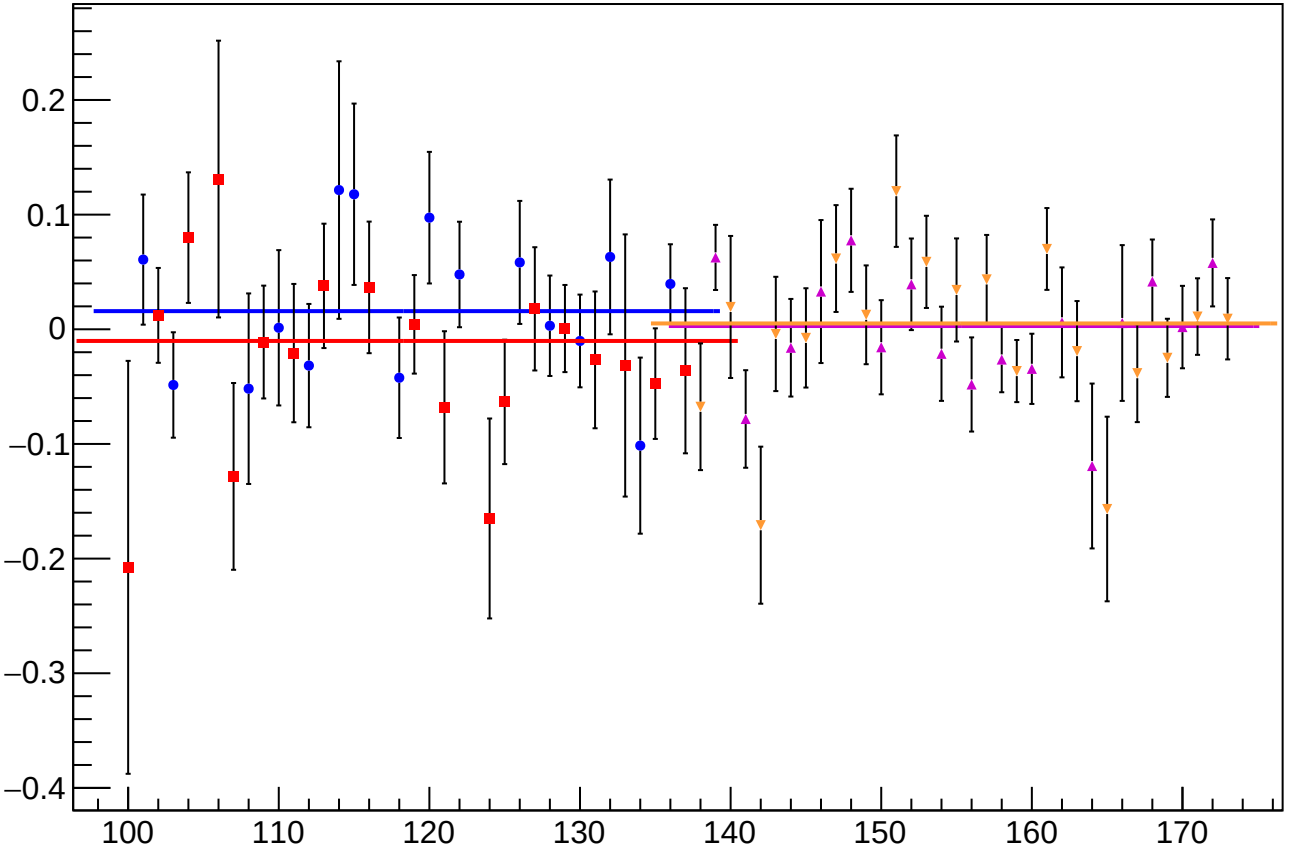
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:3834865.5/32

Out: 0.002+/-0.000 χ^2/NDF:5649112.3/37

All: 0.002+/-0.000 χ^2/NDF: 9753843.7/70

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: 0.005+/-0.010 χ^2/NDF:30.7/18

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.003+/-0.010 χ^2/NDF:22.8/16

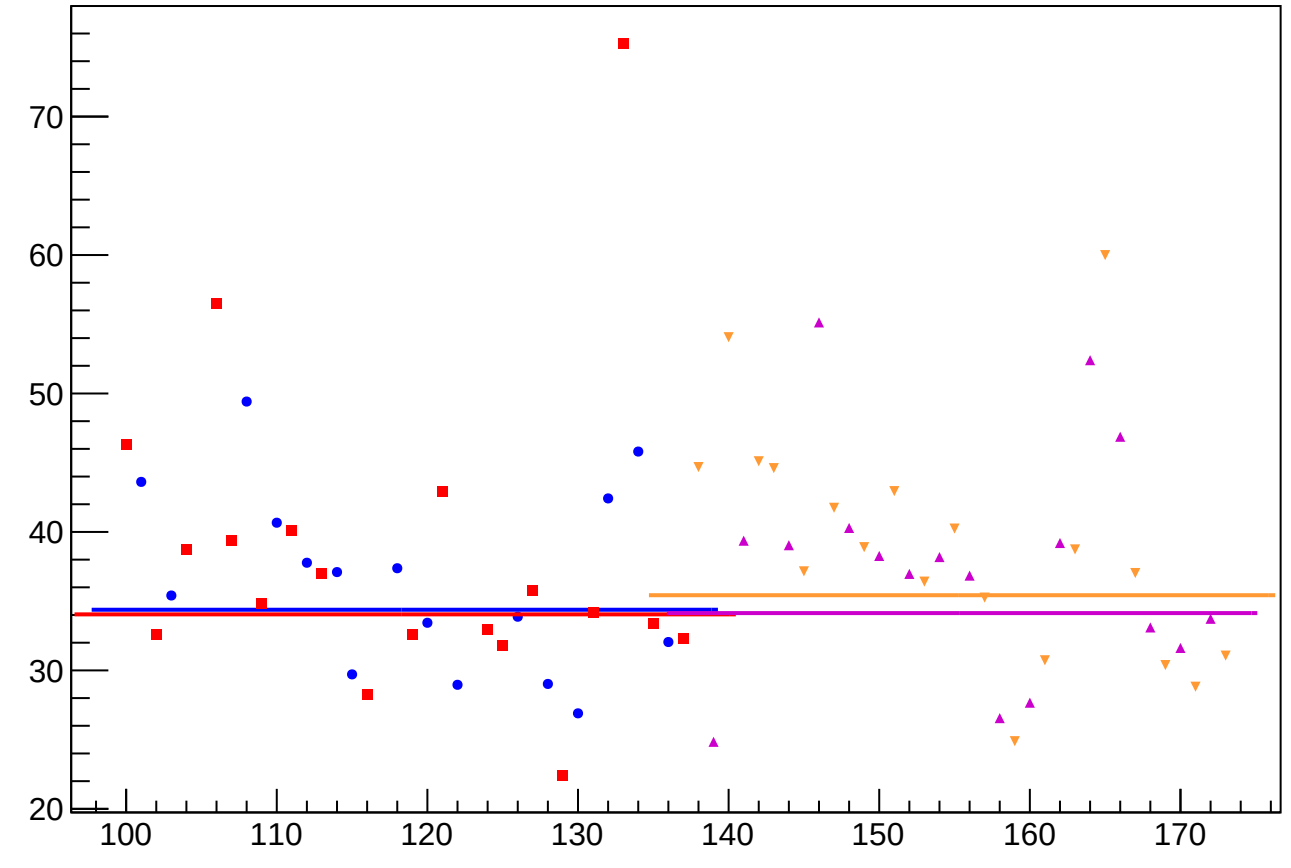
Left: 0.004+/-0.007 χ^2/NDF: 53.6/35

Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:38.2/32

Out: -0.000+/-0.008 χ^2/NDF:46.7/37

All: 0.004+/-0.006 χ^2/NDF: 85.4/70



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 35.430+/-0.007 χ^2/NDF:1160344.6/18

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.139+/-0.007 χ^2/NDF:1057515.1/16

Left: 34.785+/-0.005 χ^2/NDF: 2235957.7/35

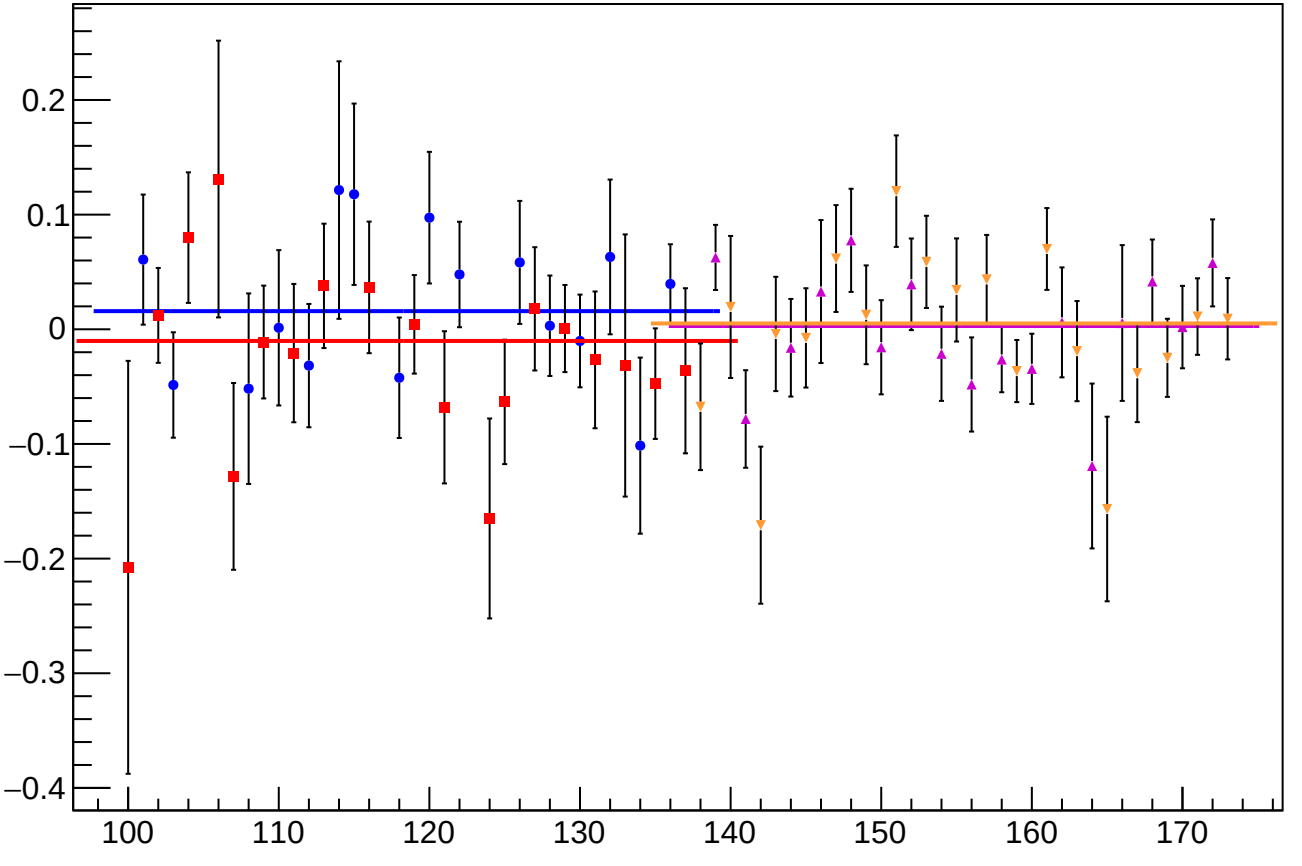
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.221+/-0.006 χ^2/NDF:1425885.9/32

Out: 34.952+/-0.005 χ^2/NDF:1817447.8/37

All: 34.589+/-0.004 χ^2/NDF: 3252160.1/70

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: 0.005+/-0.010 χ^2/NDF:30.7/18

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.003+/-0.010 χ^2/NDF:22.8/16

Left: 0.004+/-0.007 χ^2/NDF: 53.6/35

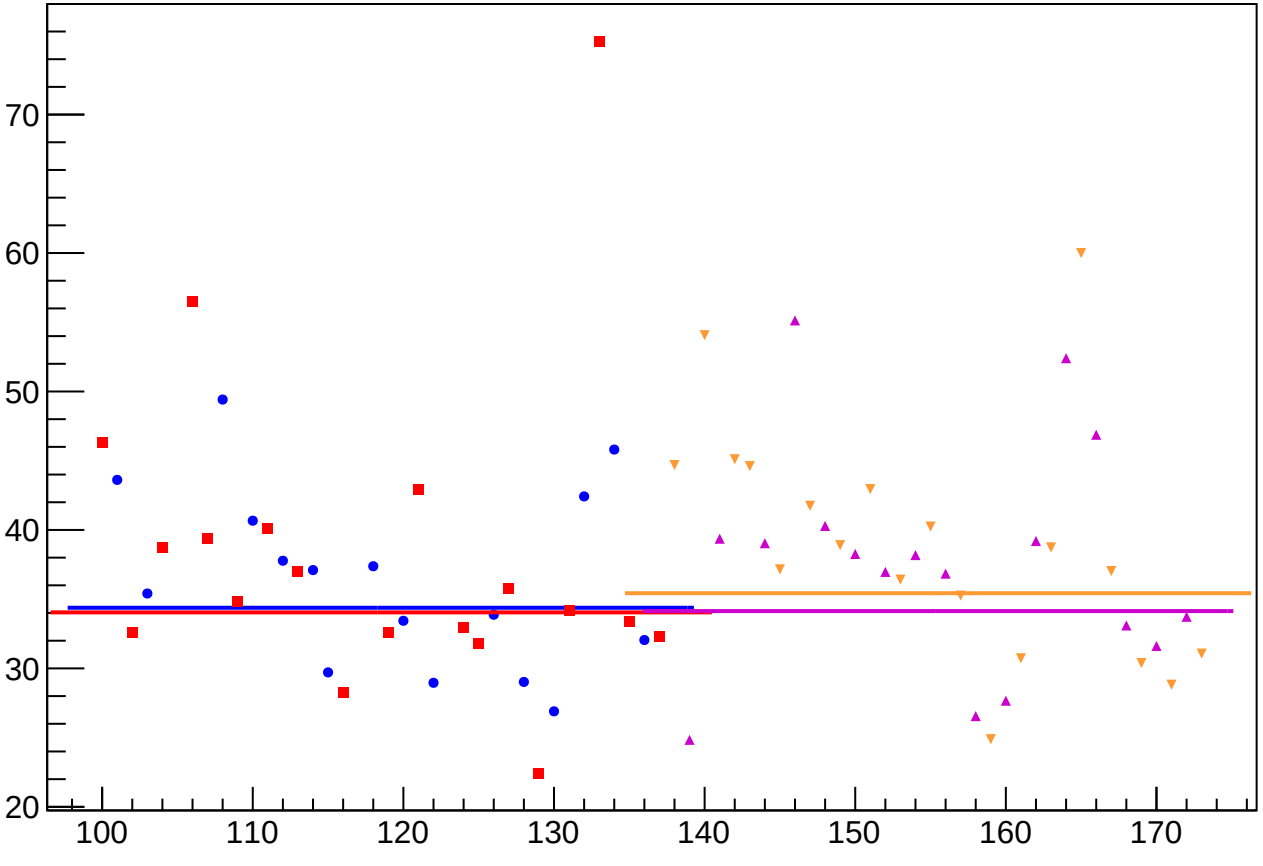
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:38.2/32

Out: -0.000+/-0.008 χ^2/NDF:46.7/37

All: 0.004+/-0.006 χ^2/NDF: 85.4/70

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 35.430+/-0.007 χ^2/NDF:1160344.6/18

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.139+/-0.007 χ^2/NDF:1057515.1/16

Left: 34.785+/-0.005 χ^2/NDF: 2235957.7/35

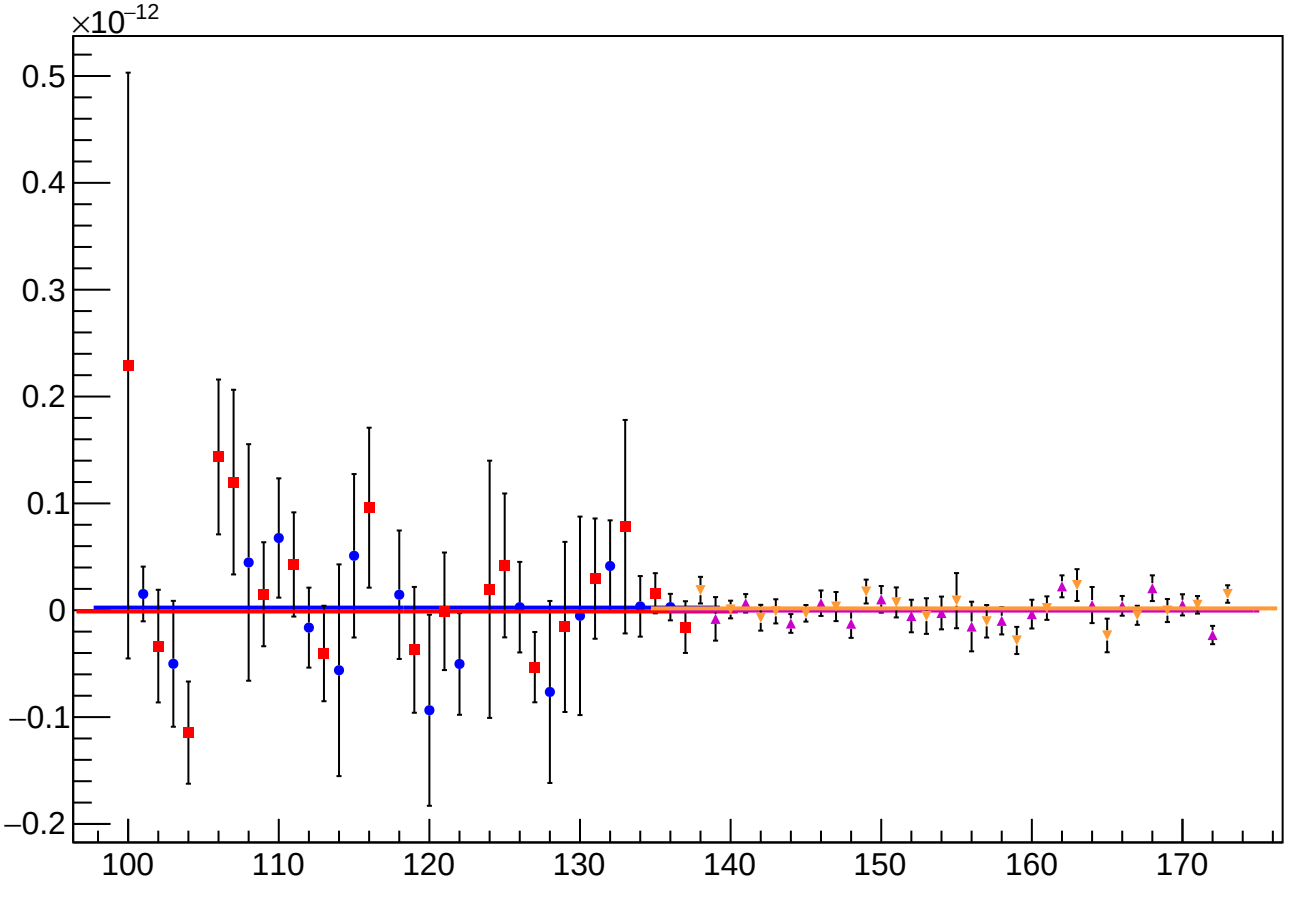
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.221+/-0.006 χ^2/NDF:1425885.9/32

Out: 34.952+/-0.005 χ^2/NDF:1817447.8/37

All: 34.589+/-0.004 χ^2/NDF: 3252160.1/70

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:19.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:21.4/16

Left: 0.000+/-0.000 χ^2/NDF: 41.3/35

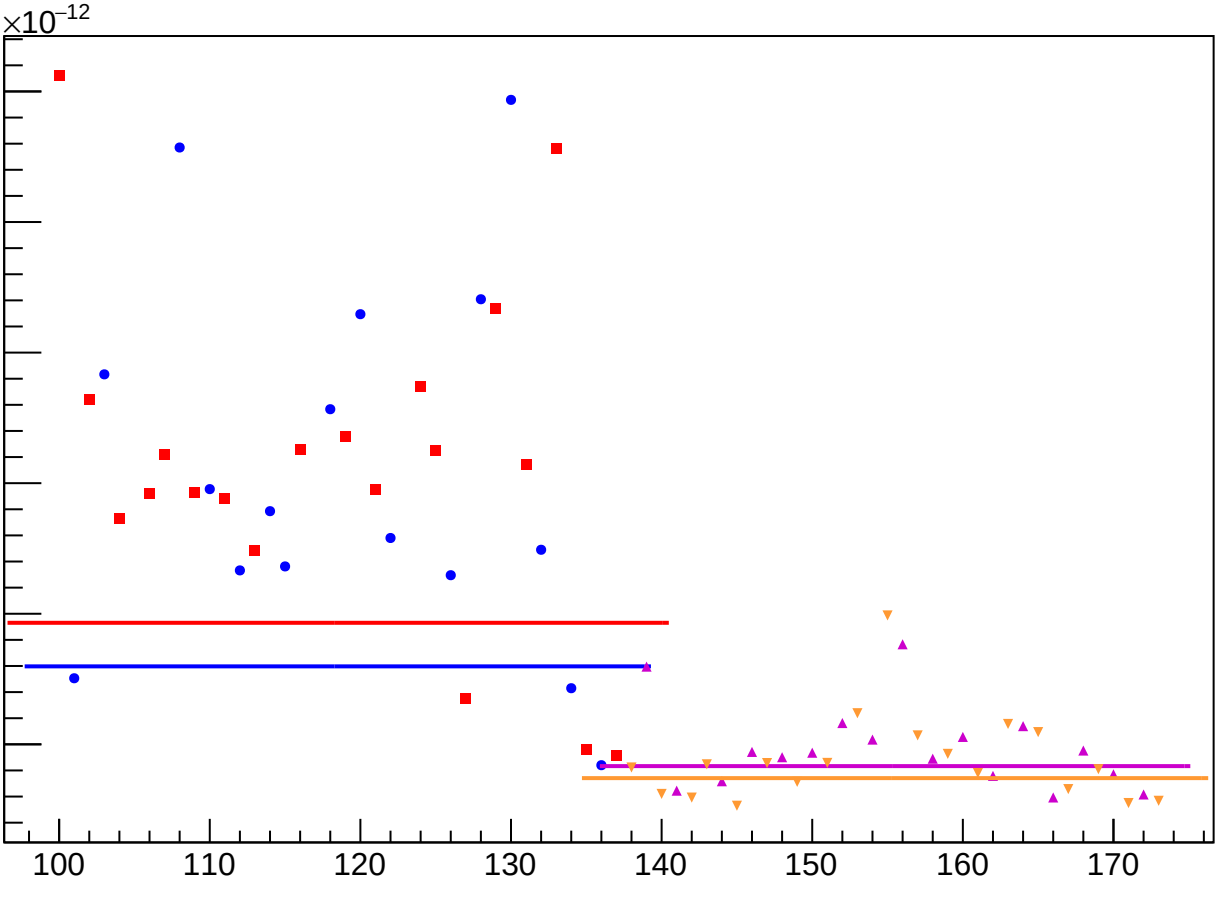
Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: -0.000+/-0.000 χ^2/NDF:29.2/32

Out: 0.000+/-0.000 χ^2/NDF:41.2/37

All: 0.000+/-0.000 χ^2/NDF: 70.6/70

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2822278.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1537725.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1323338.8/16

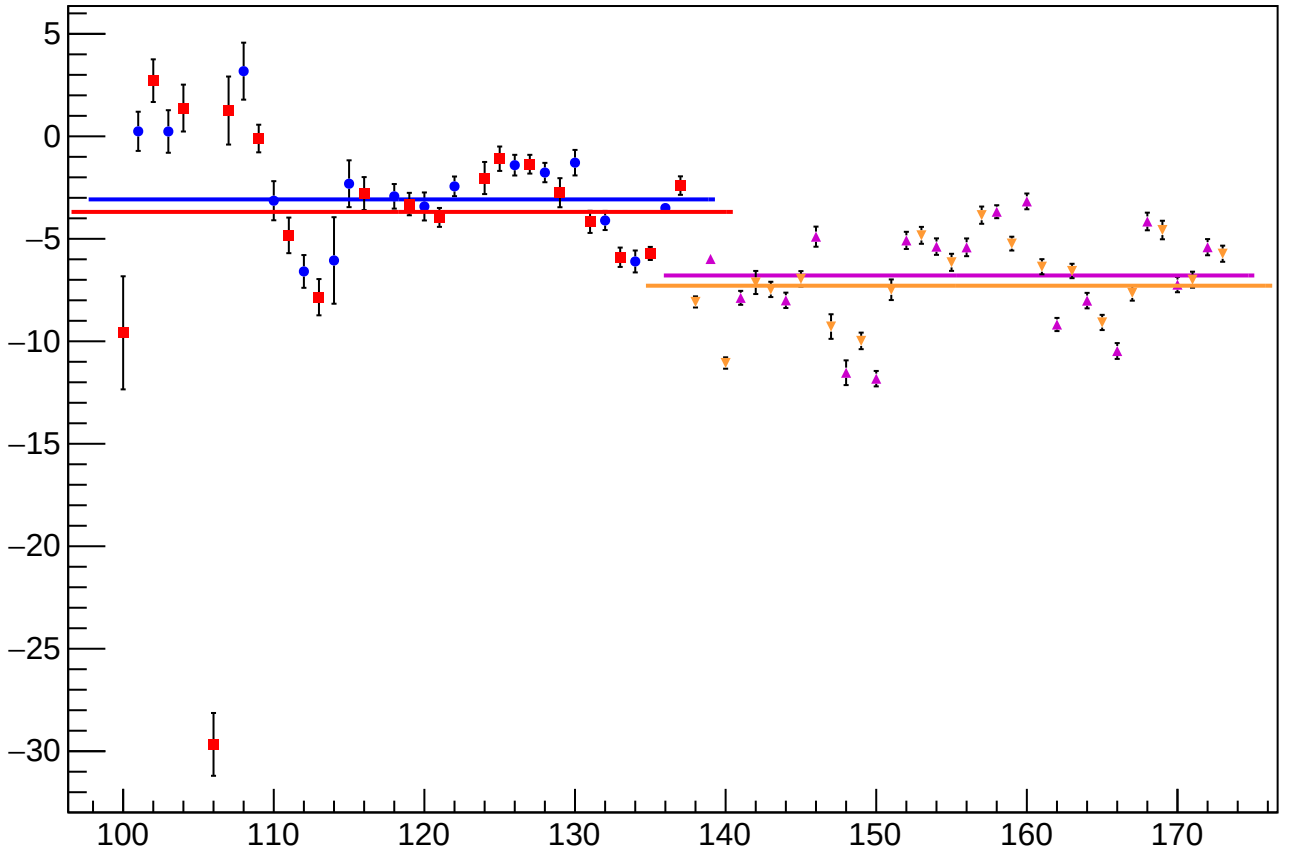
Left: 0.000+/-0.000 χ^2/NDF: 2978128.4/35

Right: 0.000+/-0.000 χ^2/NDF: 5386653.4/34

In: 0.000+/-0.000 χ^2/NDF:5534631.7/32

Out: 0.000+/-0.000 χ^2/NDF:6537132.3/37

All: 0.000+/-0.000 χ^2/NDF: 12206434.7/70



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -7.288+/-0.088 χ^2/NDF:483.7/18

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -6.788+/-0.090 χ^2/NDF:719.6/16

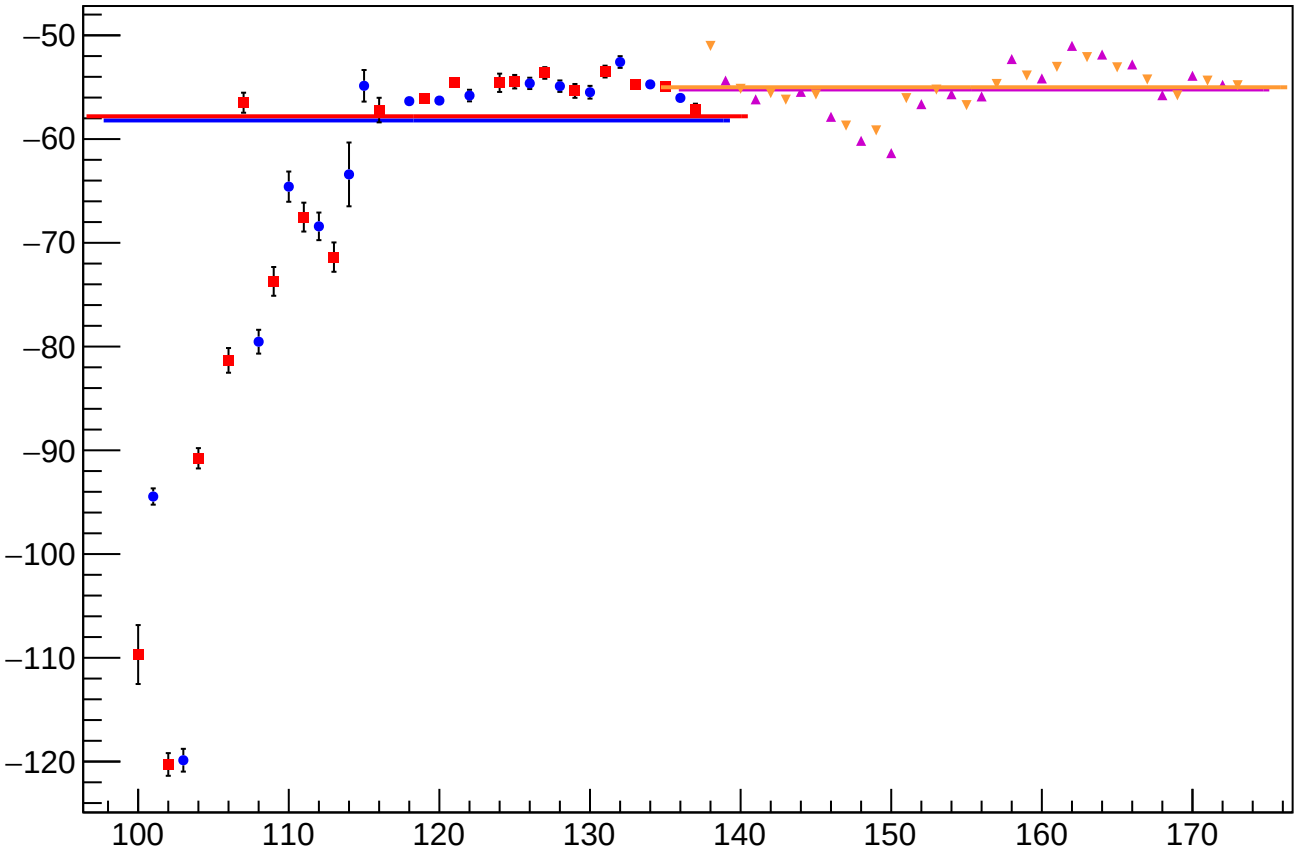
Left: -7.045+/-0.063 χ^2/NDF: 1219.2/35

Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -5.649+/-0.075 χ^2/NDF:1375.5/32

Out: -6.277+/-0.074 χ^2/NDF:1493.0/37

All: -5.966+/-0.053 χ^2/NDF: 2903.9/70



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -55.007+/-0.065 χ^2/NDF:944.4/18

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

Left In: -55.218+/-0.068 χ^2/NDF:1685.2/16

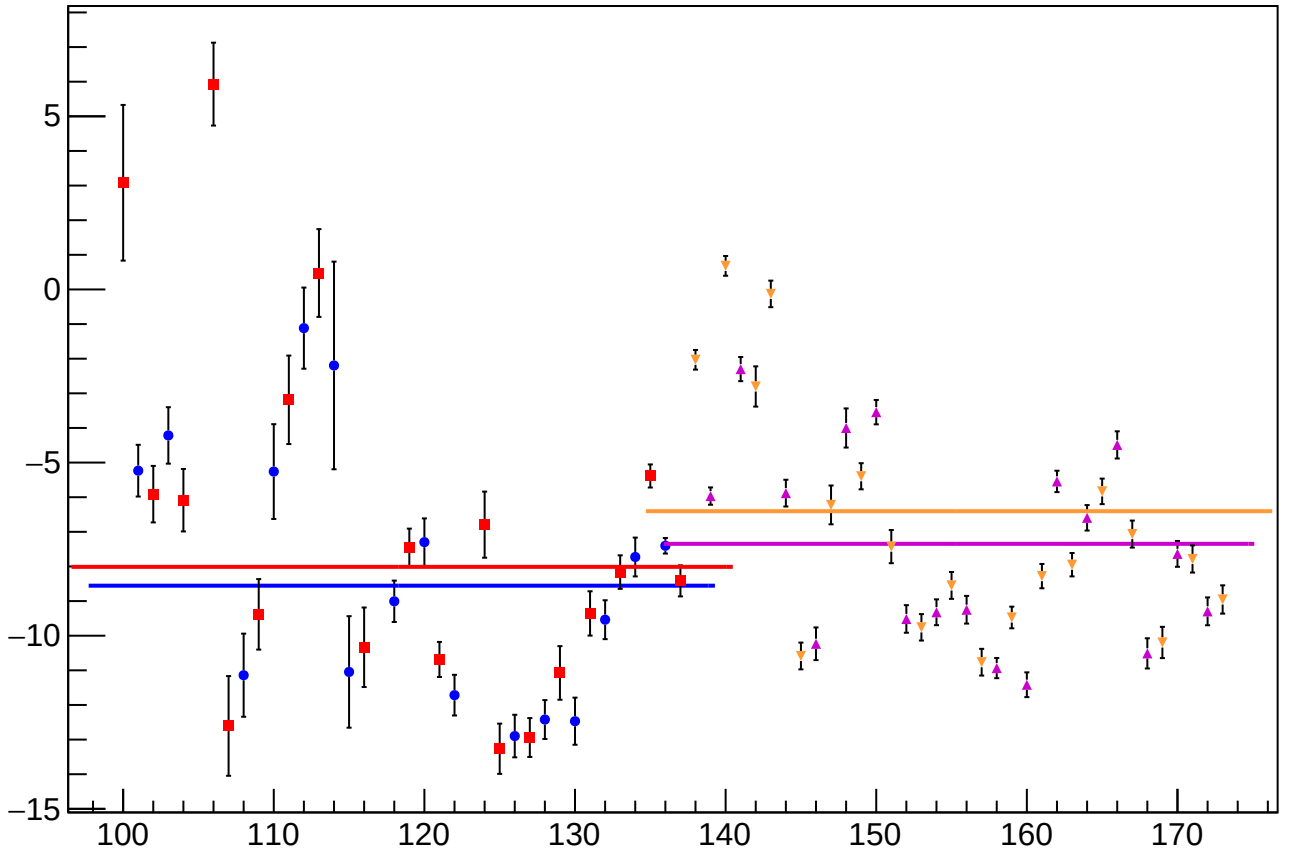
Left: -55.107+/-0.047 χ^2/NDF: 2634.6/35

Right: -58.008+/-0.097 χ^2/NDF: 11923.9/34

In: -55.820+/-0.061 χ^2/NDF:8199.6/32

Out: -55.507+/-0.059 χ^2/NDF:7072.0/37

All: -55.657+/-0.042 χ^2/NDF: 15285.4/70



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -6.404+/-0.086 χ^2/NDF:1796.0/18

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -7.347+/-0.088 χ^2/NDF:972.4/16

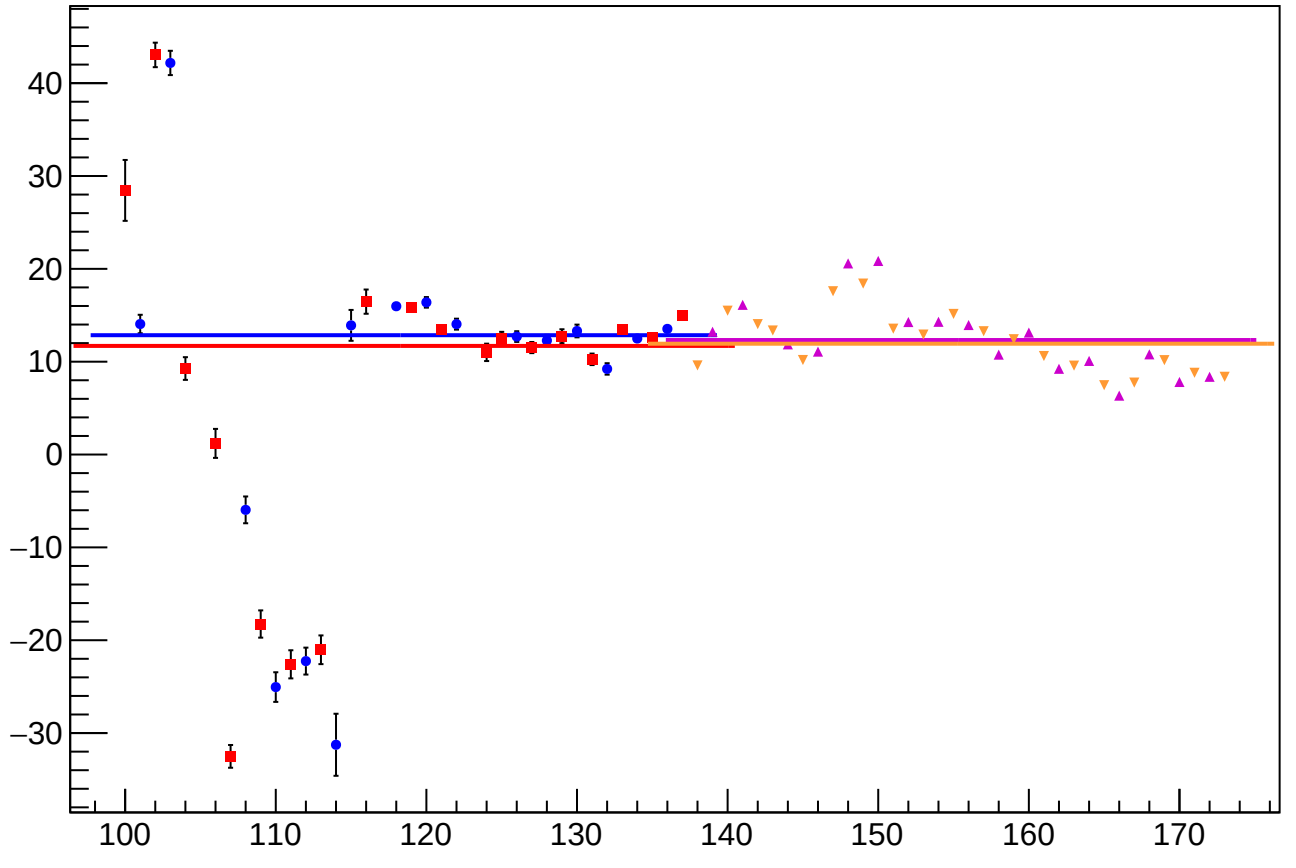
Left: -6.865+/-0.062 χ^2/NDF: 2826.9/35

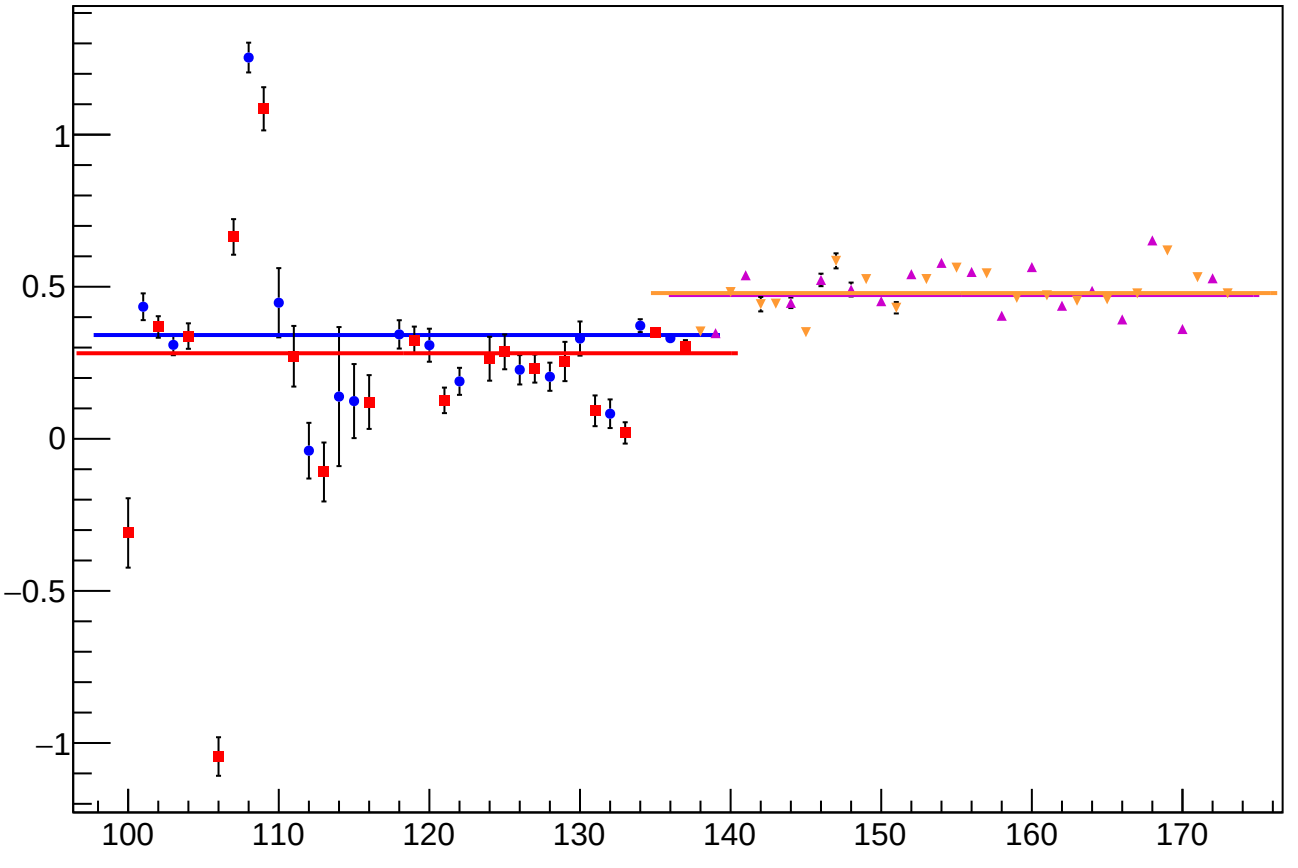
Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.674+/-0.075 χ^2/NDF:1324.0/32

Out: -6.792+/-0.075 χ^2/NDF:2369.2/37

All: -7.232+/-0.053 χ^2/NDF: 3761.9/70


reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
160
170
Right In: 12.853+/-0.150 χ2/NDF: 2128.4/15
Left Out: 11.935+/-0.073 χ2/NDF:1768.5/18
Right Out: 11.699+/-0.155 χ2/NDF: 3498.8/18
Left In: 12.333+/-0.076 χ2/NDF:2476.9/16
Left: 12.125+/-0.053 χ2/NDF: 4259.7/35
Right: 12.294+/-0.108 χ2/NDF: 5655.7/34
In: 12.439+/-0.068 χ2/NDF:4614.9/32
Out: 11.893+/-0.066 χ2/NDF:5269.2/37
All: 12.158+/-0.047 χ2/NDF: 9917.4/70



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.479+/-0.003 χ^2/NDF:427.2/18

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.473+/-0.003 χ^2/NDF:727.4/16

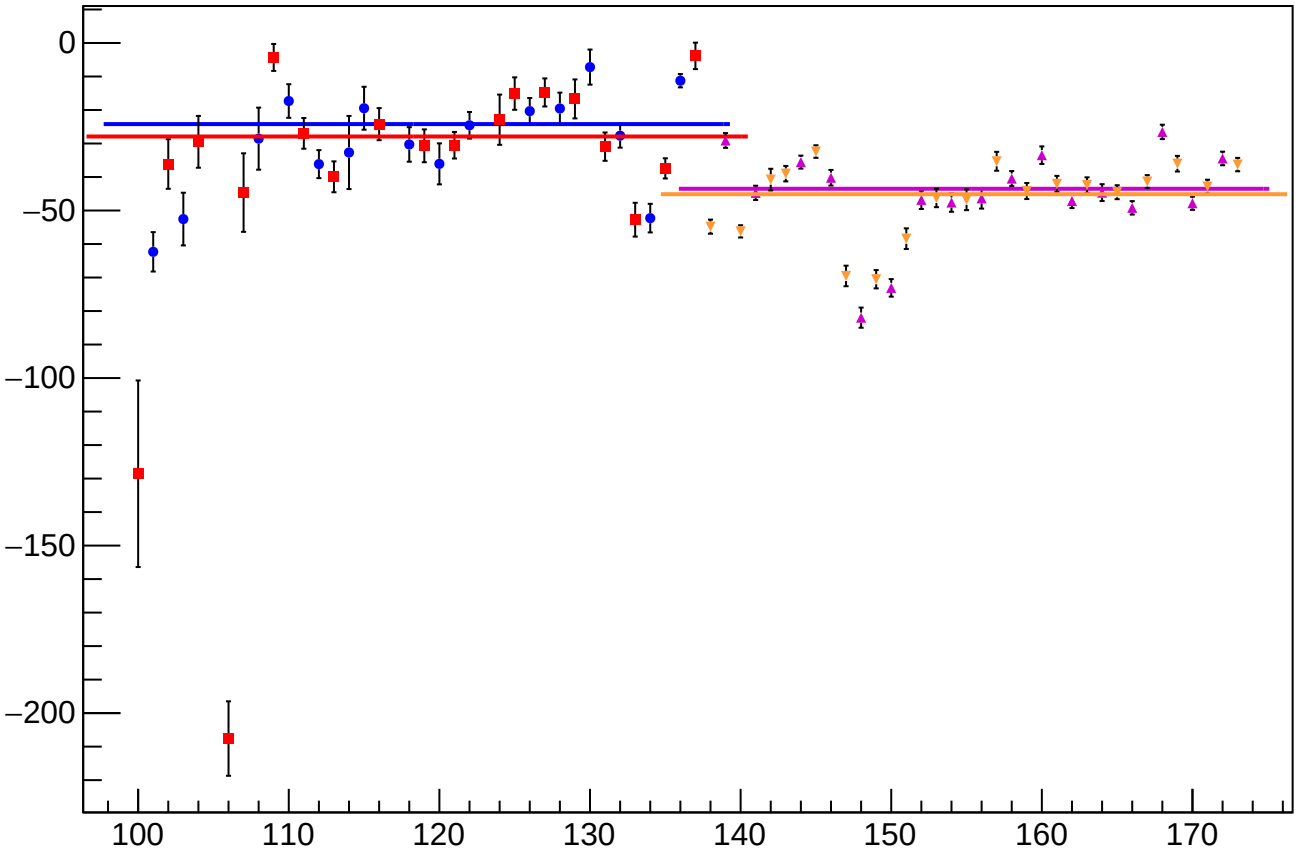
Left: 0.476+/-0.002 χ^2/NDF: 1156.7/35

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.454+/-0.003 χ^2/NDF:1401.0/32

Out: 0.454+/-0.003 χ^2/NDF:1682.1/37

All: 0.454+/-0.002 χ^2/NDF: 3083.1/70



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -45.130+/-0.534 χ^2/NDF:336.6/18

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -43.511+/-0.560 χ^2/NDF:472.5/16

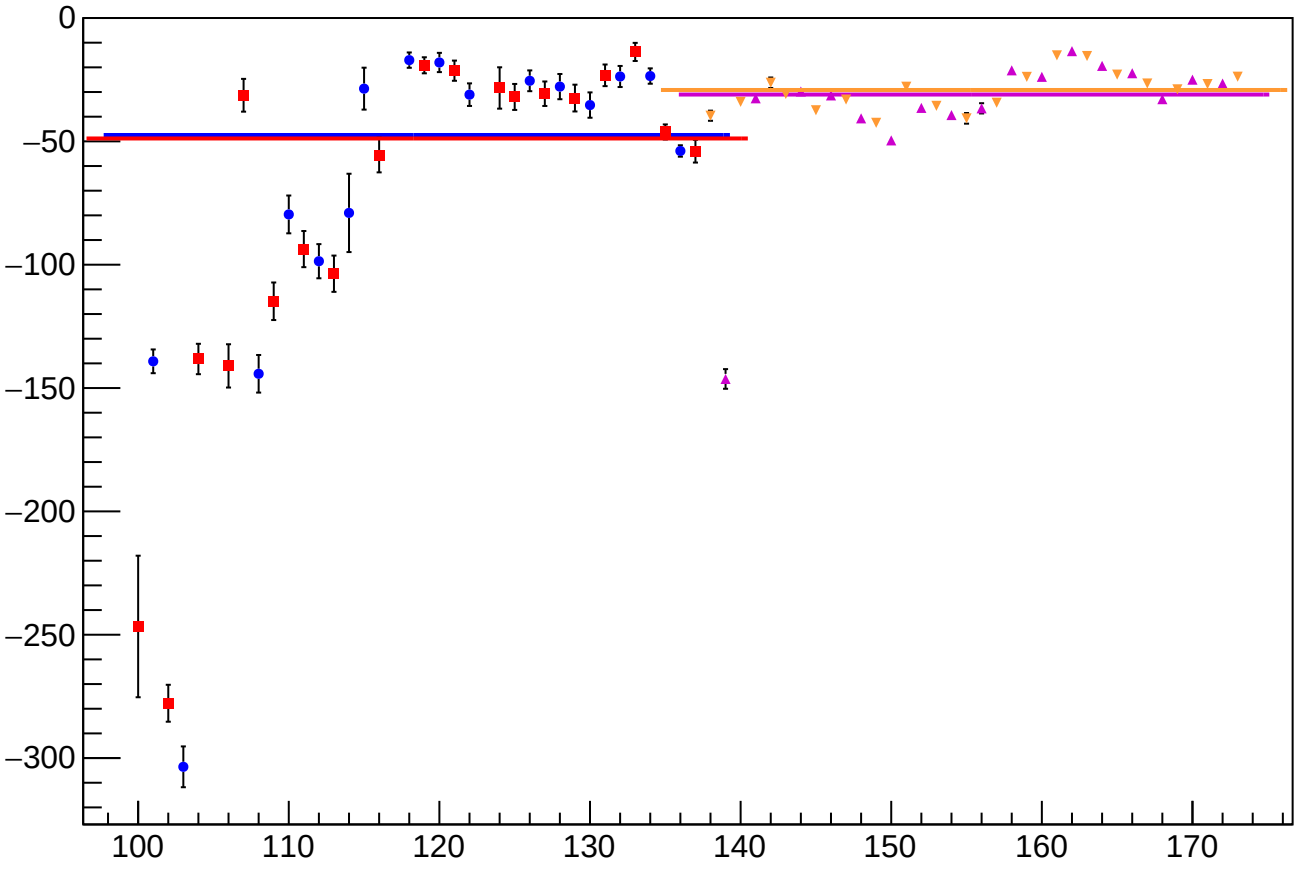
Left: -44.359+/-0.386 χ^2/NDF: 813.5/35

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -39.458+/-0.498 χ^2/NDF:892.8/32

Out: -42.017+/-0.483 χ^2/NDF:938.0/37

All: -40.775+/-0.347 χ^2/NDF: 1844.3/70



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -29.174+/-0.383 χ^2/NDF:372.7/18

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -31.021+/-0.403 χ^2/NDF:1298.4/16

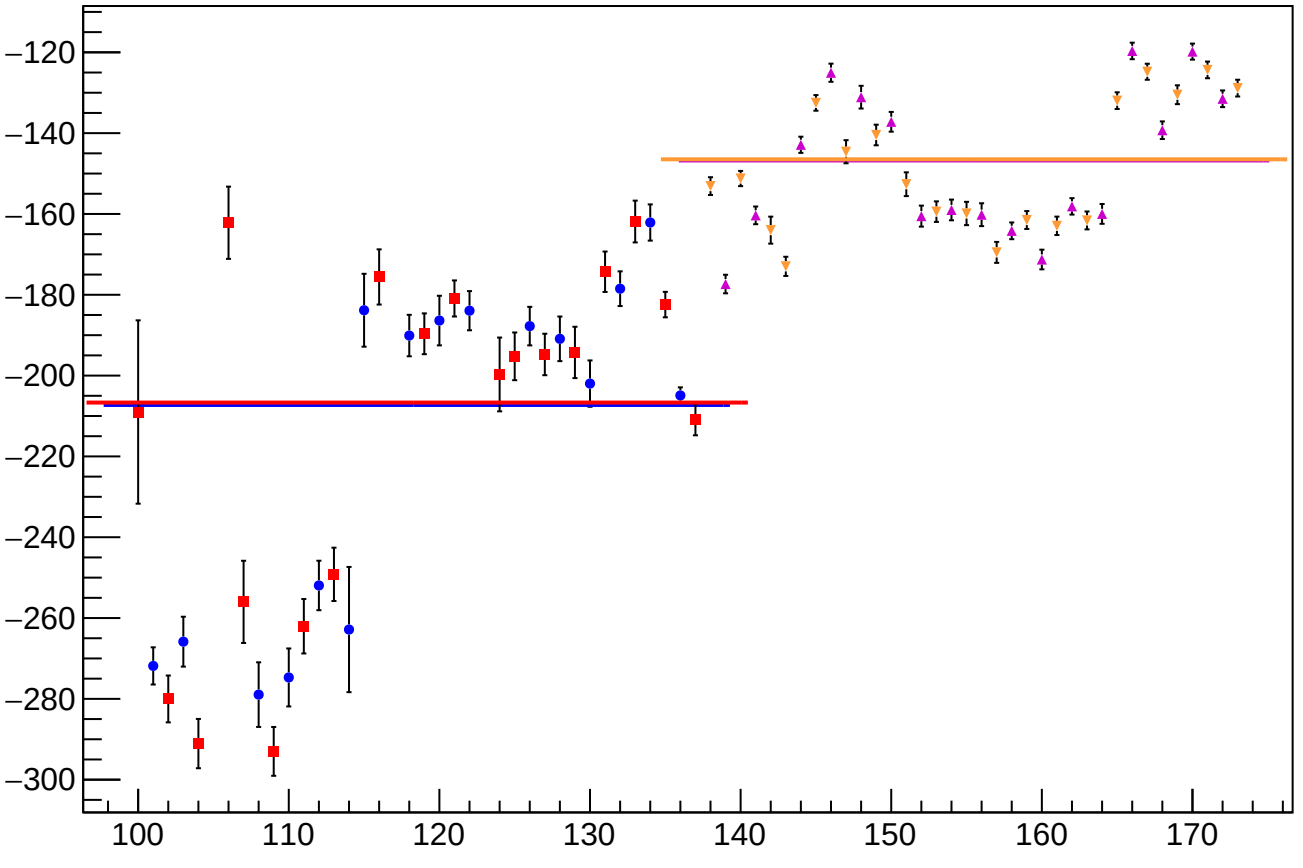
Left: -30.050+/-0.278 χ^2/NDF: 1682.1/35

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -32.962+/-0.379 χ^2/NDF:3367.5/32

Out: -31.042+/-0.365 χ^2/NDF:2397.4/37

All: -31.965+/-0.263 χ^2/NDF: 5778.3/70



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -146.476+/-0.529 χ^2/NDF:904.8/18

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -146.762+/-0.549 χ^2/NDF:1092.3/16

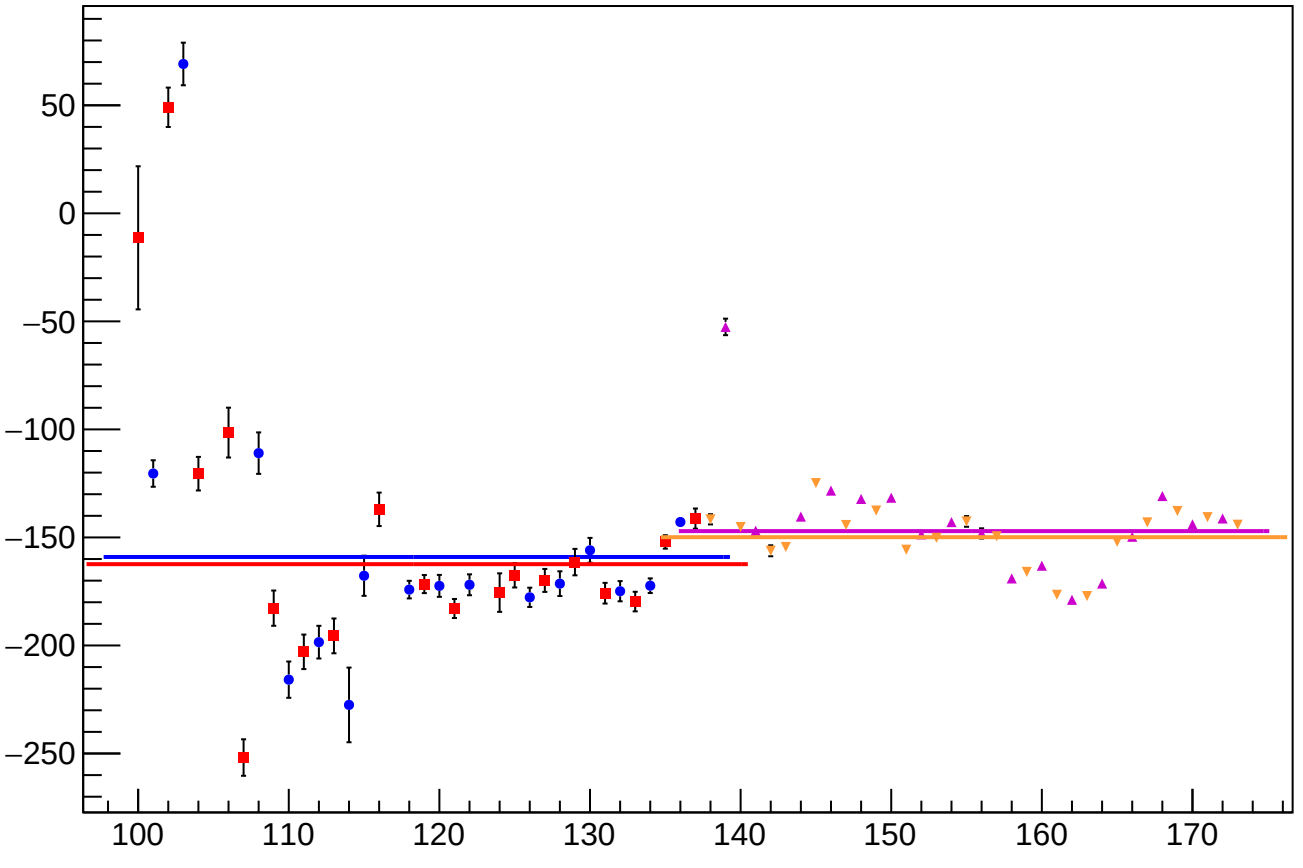
Left: -146.614+/-0.381 χ^2/NDF: 1997.2/35

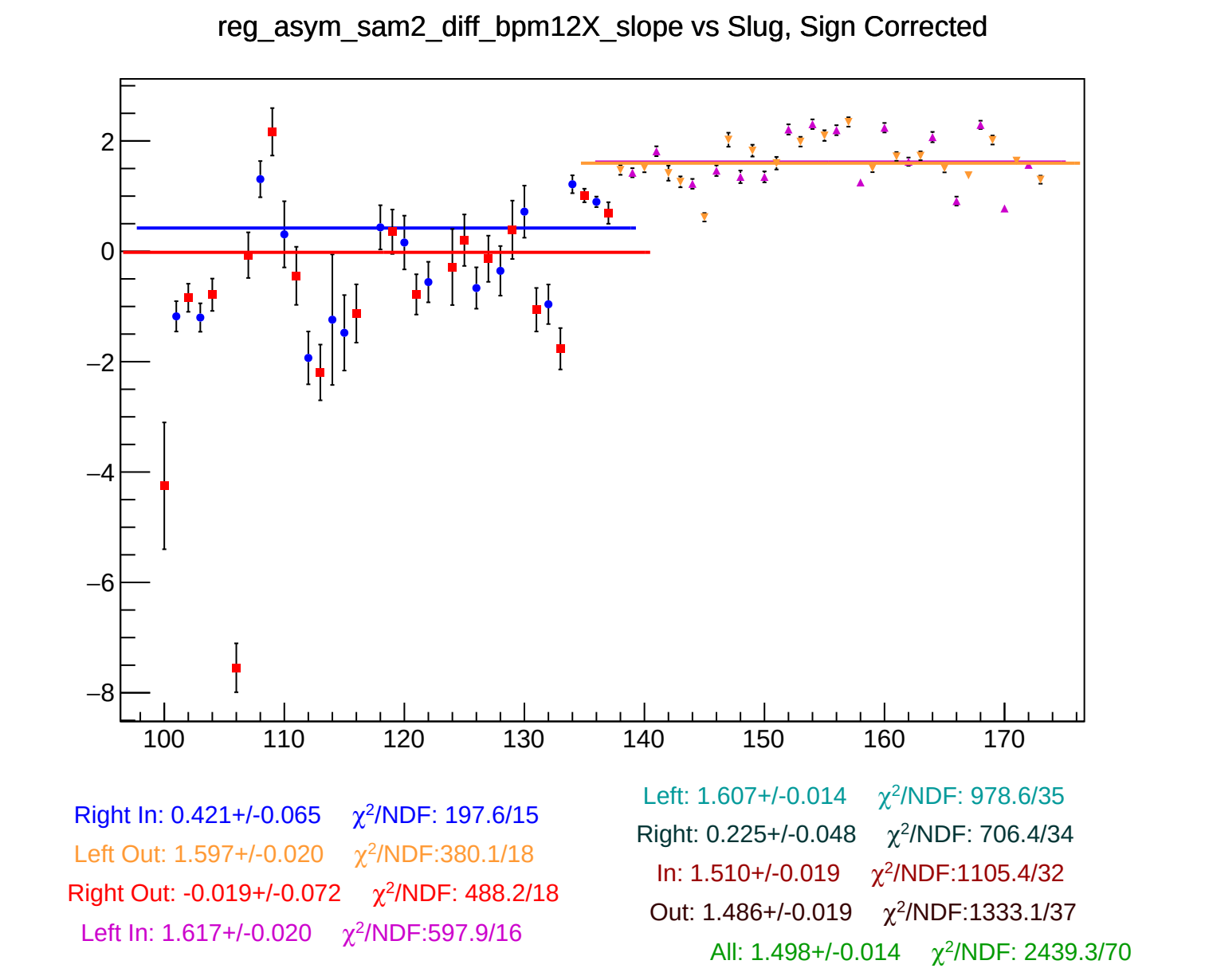
Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

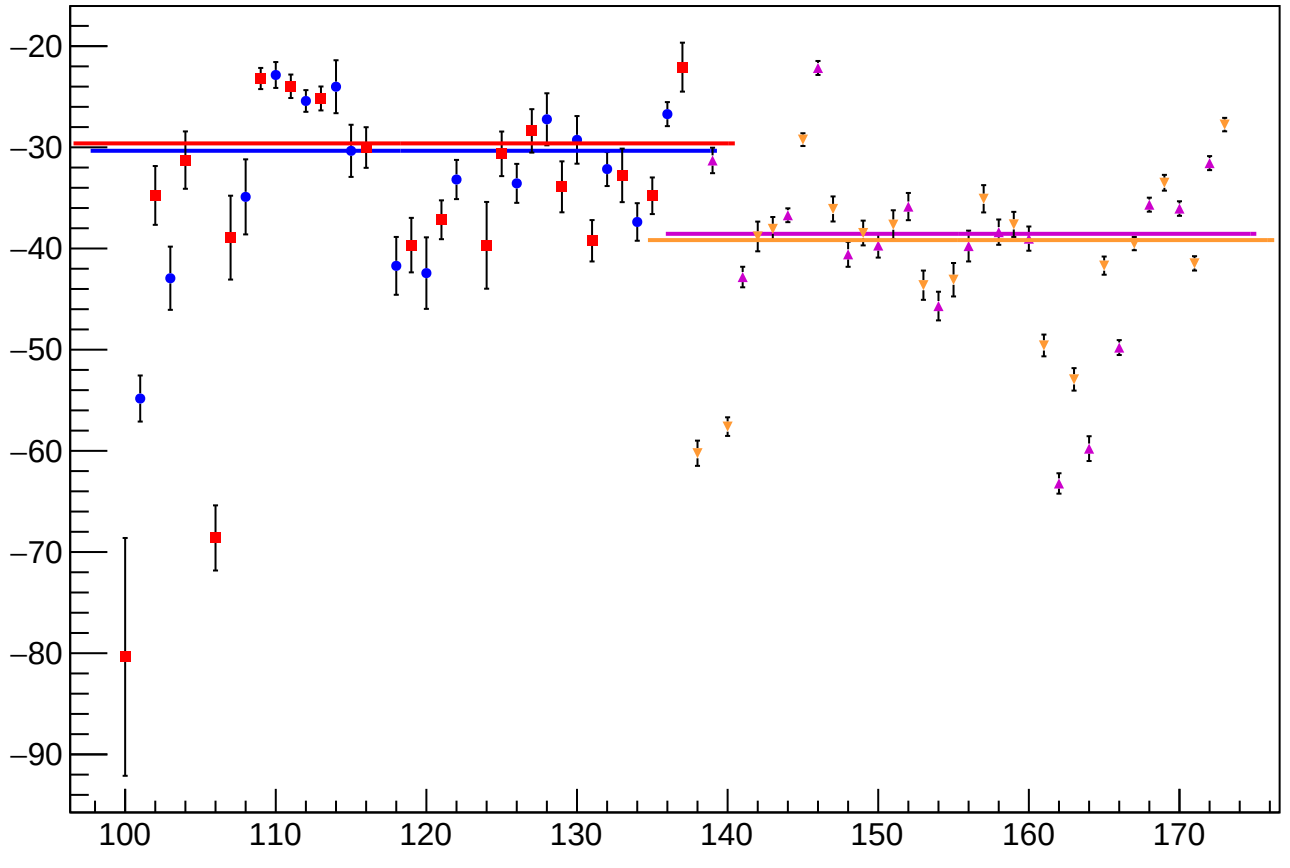
In: -157.563+/-0.498 χ^2/NDF:4006.7/32

Out: -155.254+/-0.489 χ^2/NDF:3765.0/37

All: -156.387+/-0.349 χ^2/NDF: 7782.6/70


reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
Right In: -159.048+/-1.225 χ²/NDF: 815.8/15
Left Out: -149.886+/-0.436 χ²/NDF:982.9/18
Right Out: -162.370+/-1.324 χ²/NDF: 872.6/18
Left In: -147.075+/-0.459 χ²/NDF:1701.9/16
Left: -148.551+/-0.316 χ²/NDF: 2704.5/35
Right: -160.581+/-0.899 χ²/NDF: 1691.7/34
In: -148.547+/-0.430 χ²/NDF:2601.4/32
Out: -151.108+/-0.414 χ²/NDF:1935.6/37
All: -149.874+/-0.298 χ²/NDF: 4555.5/70


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
Right In: 0.421+/-0.065 χ²/NDF: 197.6/15
Left Out: 1.597+/-0.020 χ²/NDF:380.1/18
Right Out: -0.019+/-0.072 χ²/NDF: 488.2/18
Left In: 1.617+/-0.020 χ²/NDF:597.9/16
Left: 1.607+/-0.014 χ²/NDF: 978.6/35
Right: 0.225+/-0.048 χ²/NDF: 706.4/34
In: 1.510+/-0.019 χ²/NDF:1105.4/32
Out: 1.486+/-0.019 χ²/NDF:1333.1/37
All: 1.498+/-0.014 χ²/NDF: 2439.3/70



Right In: -30.341+/-0.468 χ^2/NDF: 253.6/15

Left Out: -39.170+/-0.221 χ^2/NDF:1580.8/18

Right Out: -29.613+/-0.450 χ^2/NDF: 329.2/18

Left In: -38.549+/-0.226 χ^2/NDF:1917.4/16

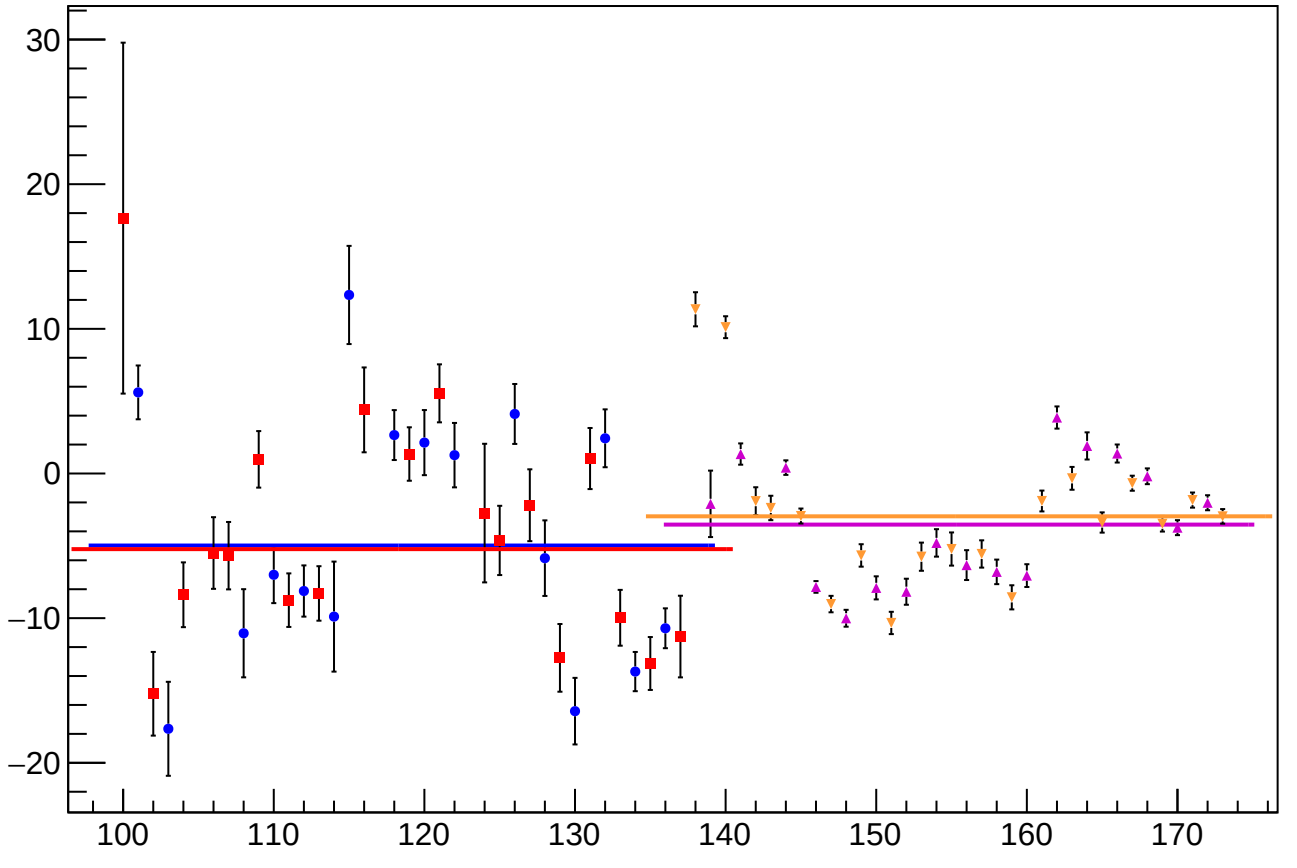
Left: -38.866+/-0.158 χ^2/NDF: 3502.0/35

Right: -29.963+/-0.324 χ^2/NDF: 584.0/34

In: -36.998+/-0.203 χ^2/NDF:2420.6/32

Out: -37.319+/-0.198 χ^2/NDF:2272.9/37

All: -37.162+/-0.142 χ^2/NDF: 4694.7/70



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -2.960+/-0.159 χ^2/NDF:768.4/18

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

Left In: -3.533+/-0.160 χ^2/NDF:677.8/16

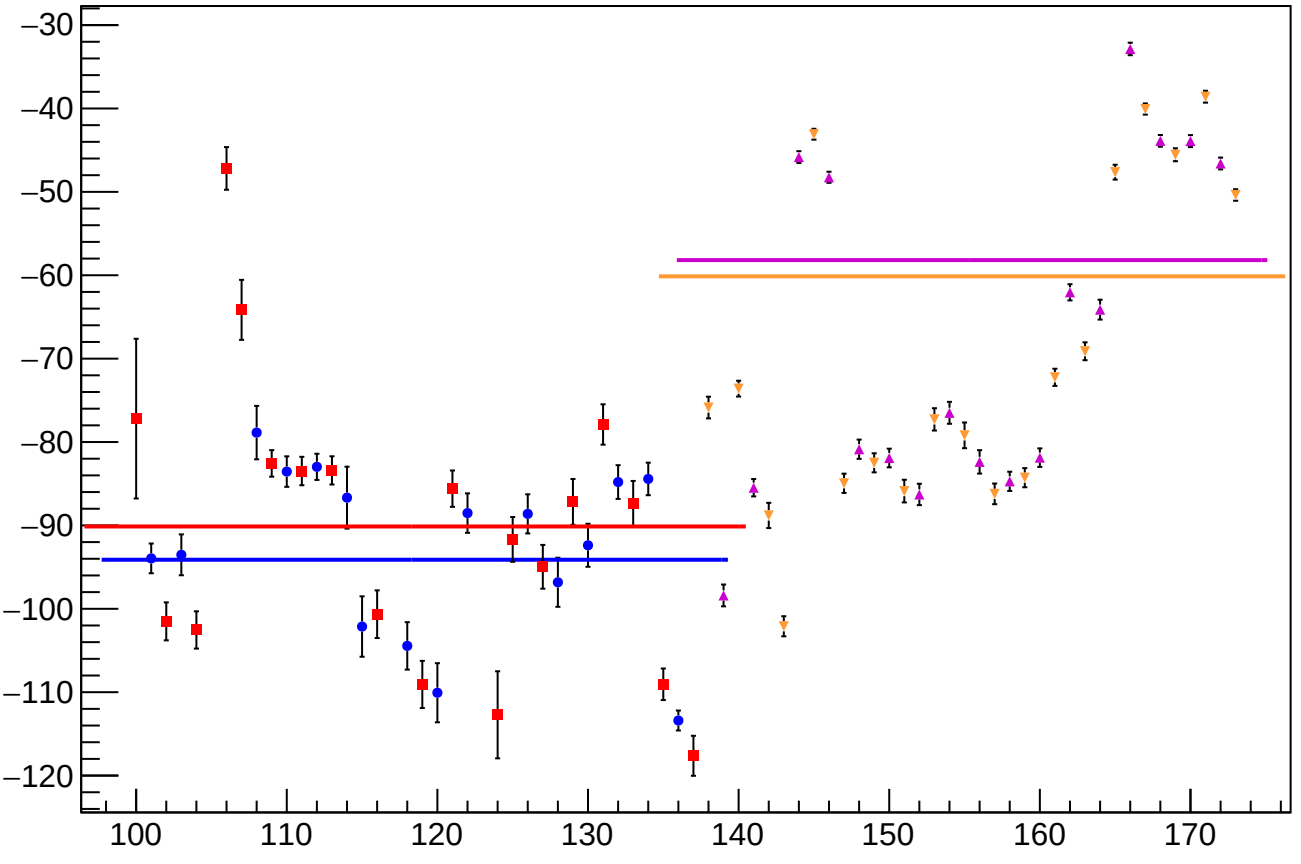
Left: -3.244+/-0.113 χ^2/NDF: 1452.7/35

Right: -5.100+/-0.365 χ^2/NDF: 373.9/34

In: -3.663+/-0.153 χ^2/NDF:922.5/32

Out: -3.150+/-0.152 χ^2/NDF:922.1/37

All: -3.405+/-0.108 χ^2/NDF: 1850.2/70



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -60.131+/-0.220 χ^2/NDF:7777.4/18

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

Left In: -58.183+/-0.223 χ^2/NDF:7205.3/16

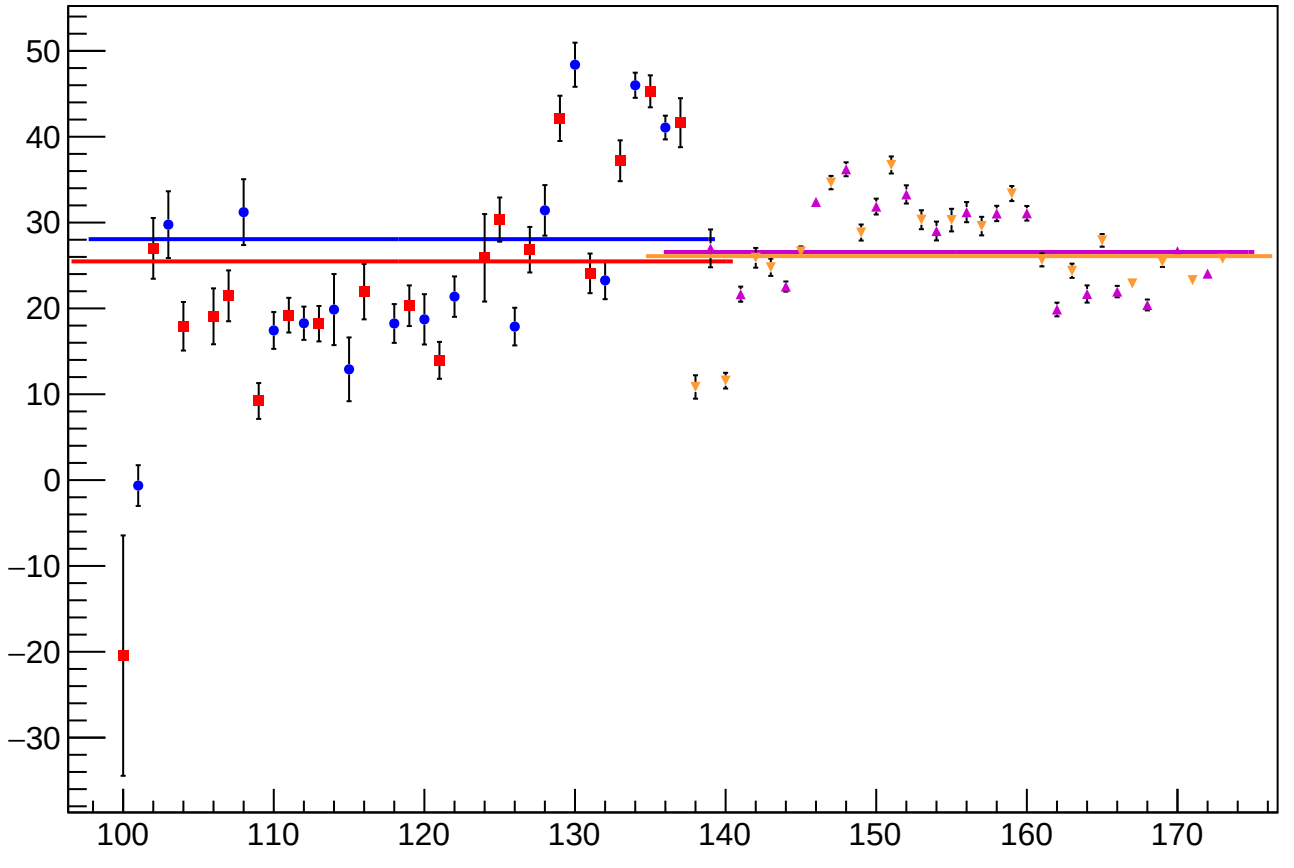
Left: -59.171+/-0.157 χ^2/NDF: 15021.3/35

Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

In: -63.473+/-0.206 χ^2/NDF:11489.8/32

Out: -64.361+/-0.204 χ^2/NDF:11188.6/37

All: -63.922+/-0.145 χ^2/NDF: 22687.8/70



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 26.089+/-0.180 χ^2/NDF:794.8/18

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 26.572+/-0.184 χ^2/NDF:752.2/16

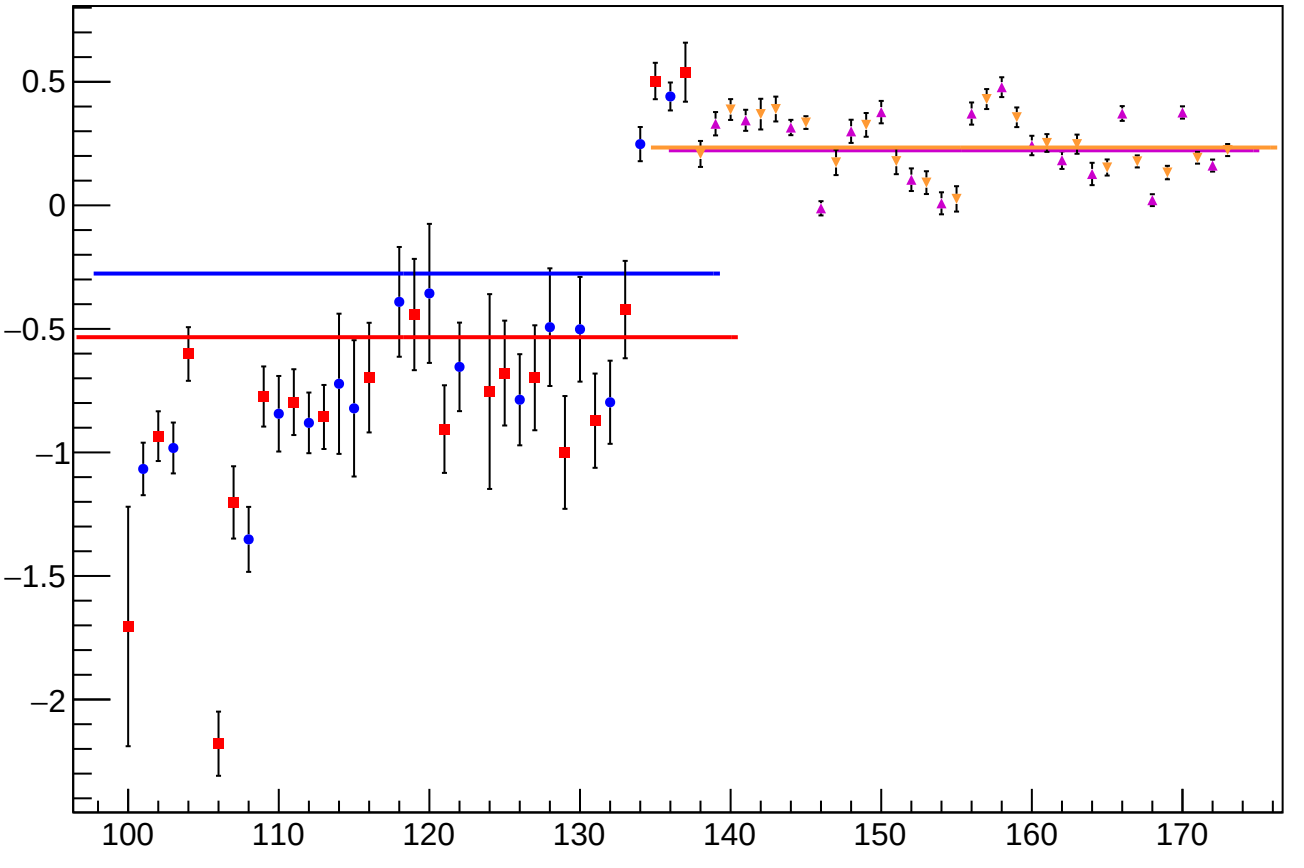
Left: 26.325+/-0.129 χ^2/NDF: 1550.5/35

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 26.714+/-0.175 χ^2/NDF:1341.6/32

Out: 26.037+/-0.172 χ^2/NDF:1150.4/37

All: 26.370+/-0.123 χ^2/NDF: 2499.6/70



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.234+/-0.008 χ^2/NDF:137.1/18

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.223+/-0.008 χ^2/NDF:329.5/16

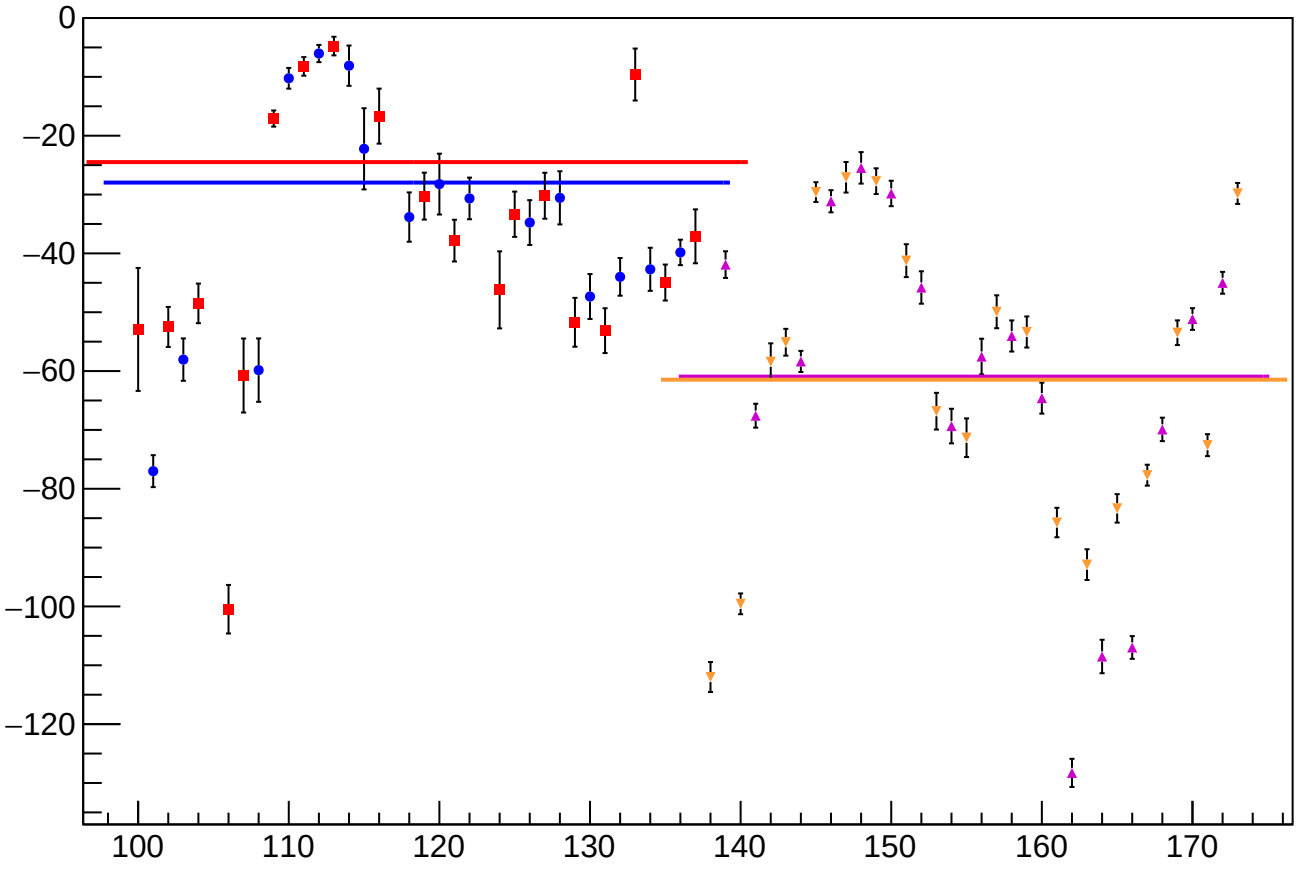
Left: 0.229+/-0.006 χ^2/NDF: 467.5/35

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.188+/-0.008 χ^2/NDF:1032.0/32

Out: 0.190+/-0.008 χ^2/NDF:1162.1/37

All: 0.189+/-0.006 χ^2/NDF: 2194.1/70



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -61.463+/-0.520 χ^2/NDF:2499.8/18

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -60.942+/-0.540 χ^2/NDF:2530.5/16

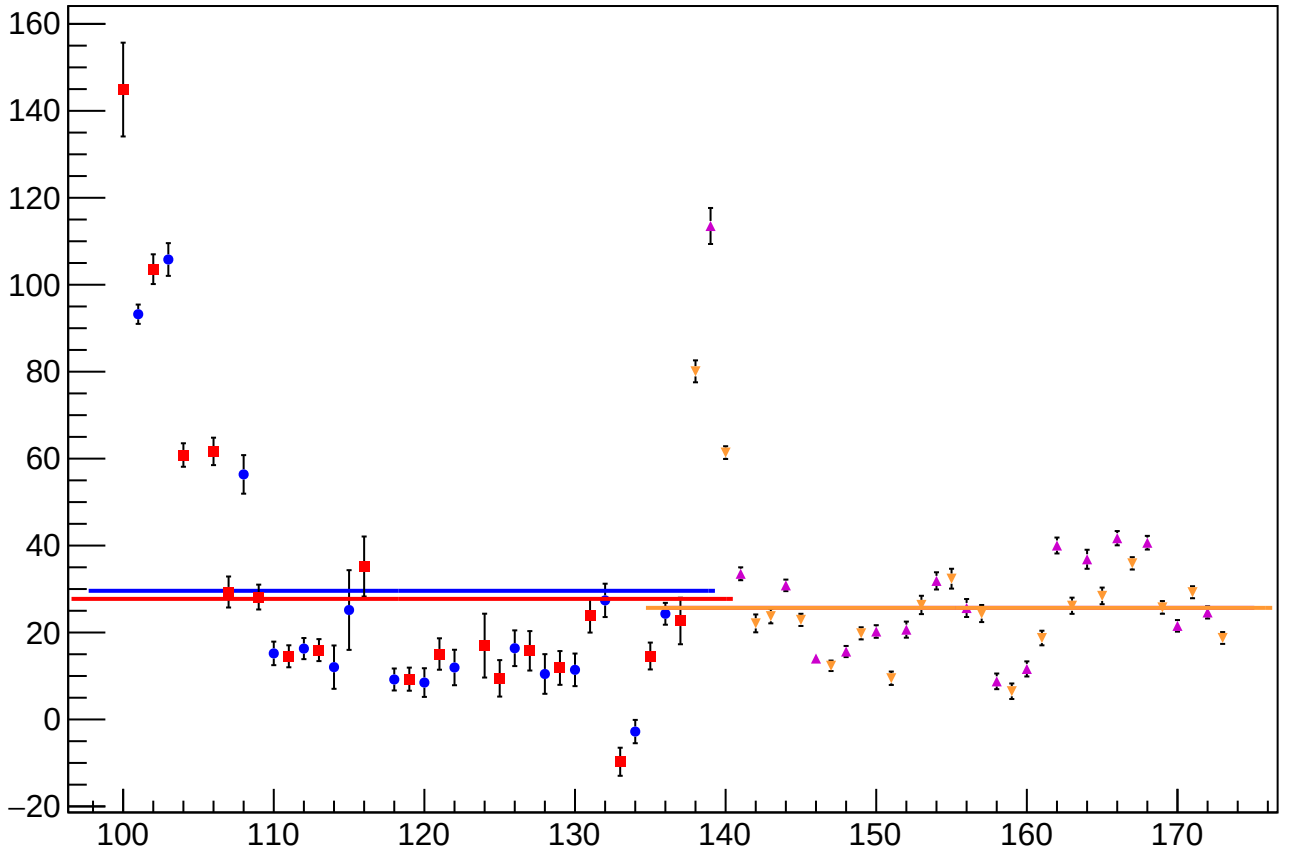
Left: -61.212+/-0.375 χ^2/NDF: 5030.8/35

Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -49.235+/-0.434 χ^2/NDF:4749.9/32

Out: -47.375+/-0.409 χ^2/NDF:5415.9/37

All: -48.251+/-0.298 χ^2/NDF: 10175.6/70



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 25.669+/-0.370 χ^2/NDF:1542.8/18

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 25.671+/-0.386 χ^2/NDF:1125.5/16

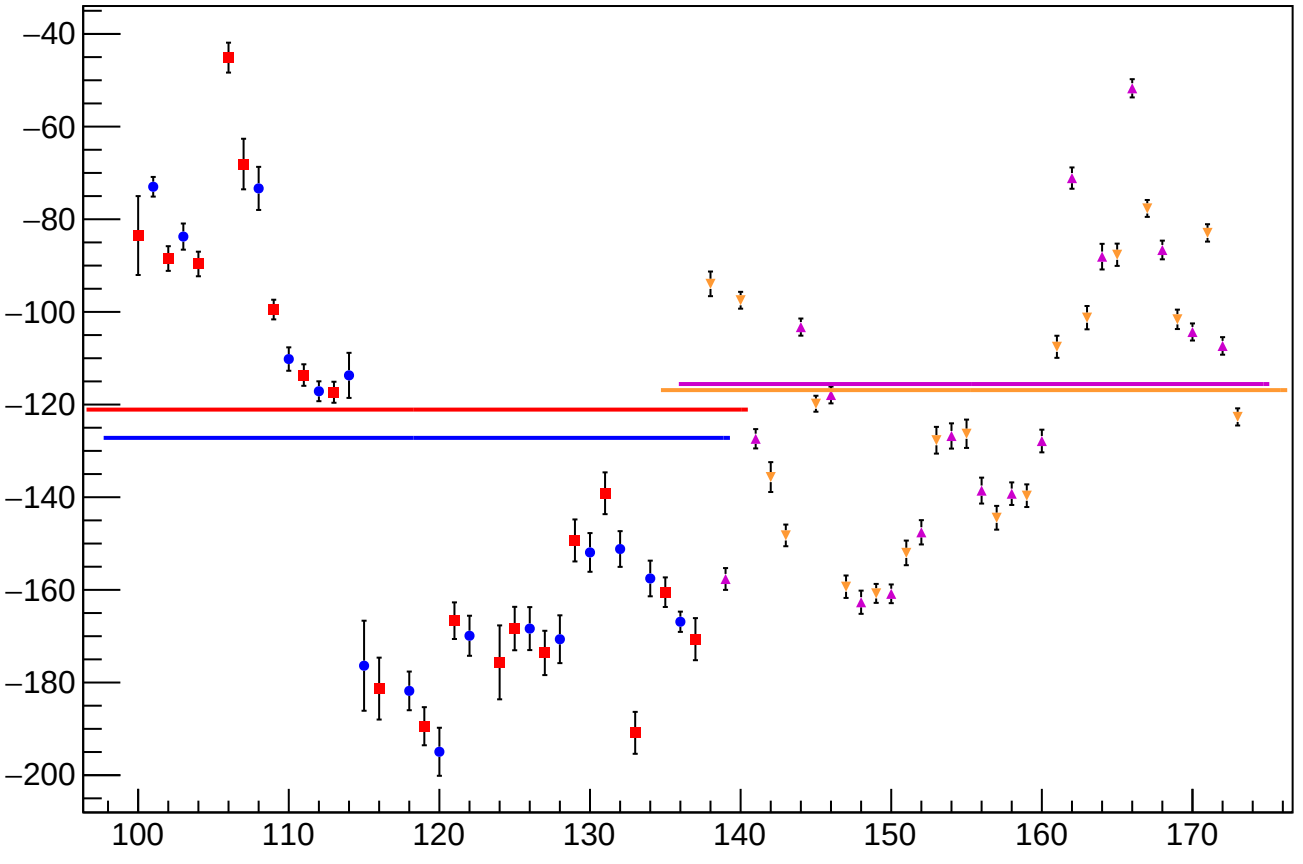
Left: 25.670+/-0.267 χ^2/NDF: 2668.3/35

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 26.402+/-0.348 χ^2/NDF:2810.4/32

Out: 26.036+/-0.336 χ^2/NDF:2733.4/37

All: 26.213+/-0.242 χ^2/NDF: 5544.4/70



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -116.881+/-0.515 χ^2/NDF:2627.0/18

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -115.567+/-0.531 χ^2/NDF:3391.9/16

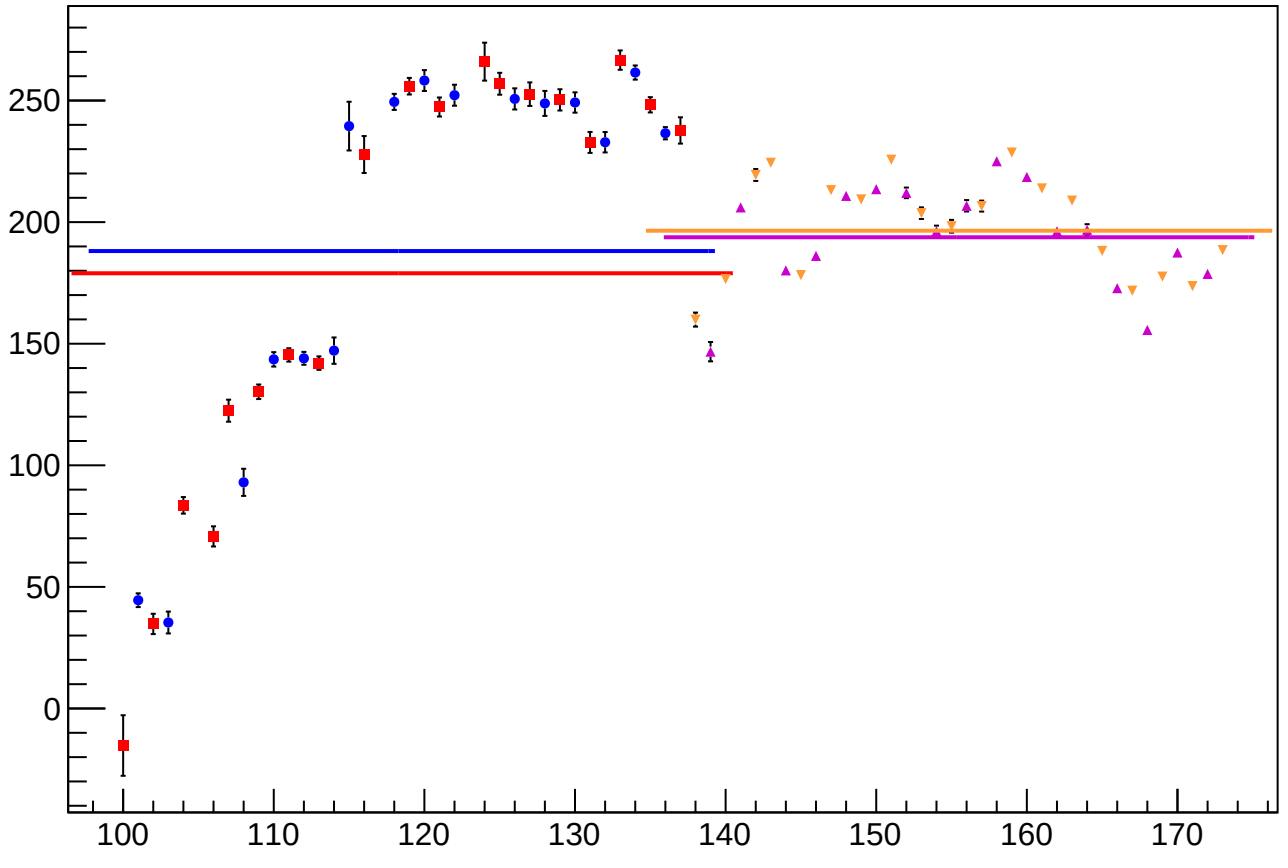
Left: -116.243+/-0.370 χ^2/NDF: 6022.0/35

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -118.943+/-0.447 χ^2/NDF:5709.4/32

Out: -118.119+/-0.433 χ^2/NDF:5043.9/37

All: -118.517+/-0.311 χ^2/NDF: 10755.0/70



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 196.474+/-0.424 χ^2/NDF:2203.5/18

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 193.774+/-0.443 χ^2/NDF:1769.8/16

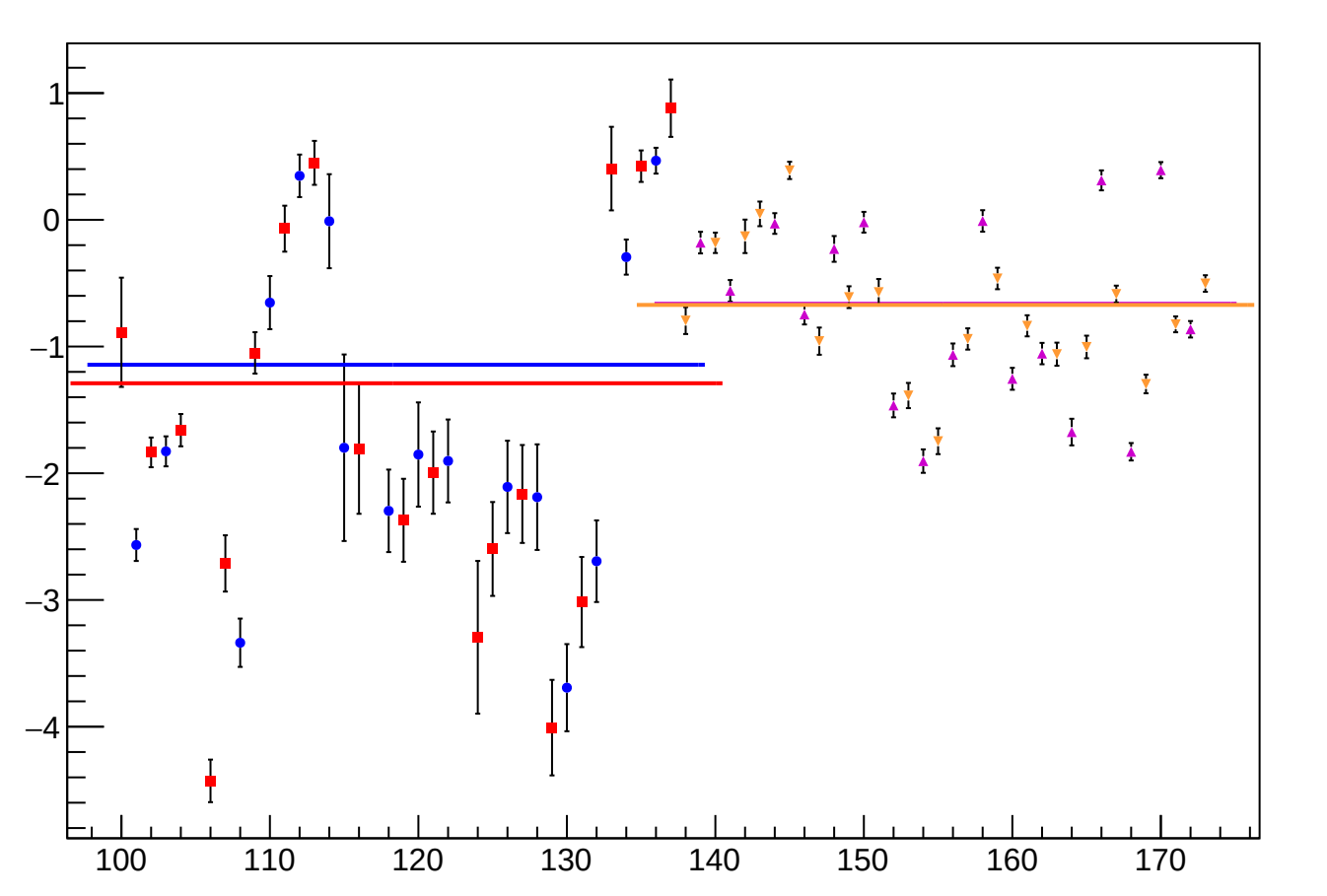
Left: 195.181+/-0.306 χ^2/NDF: 3992.7/35

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 192.705+/-0.399 χ^2/NDF:8919.3/32

Out: 193.335+/-0.385 χ^2/NDF:9177.2/37

All: 193.032+/-0.277 χ^2/NDF: 18097.9/70



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.672+/-0.019 χ^2/NDF:663.3/18

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.662+/-0.020 χ^2/NDF:1393.1/16

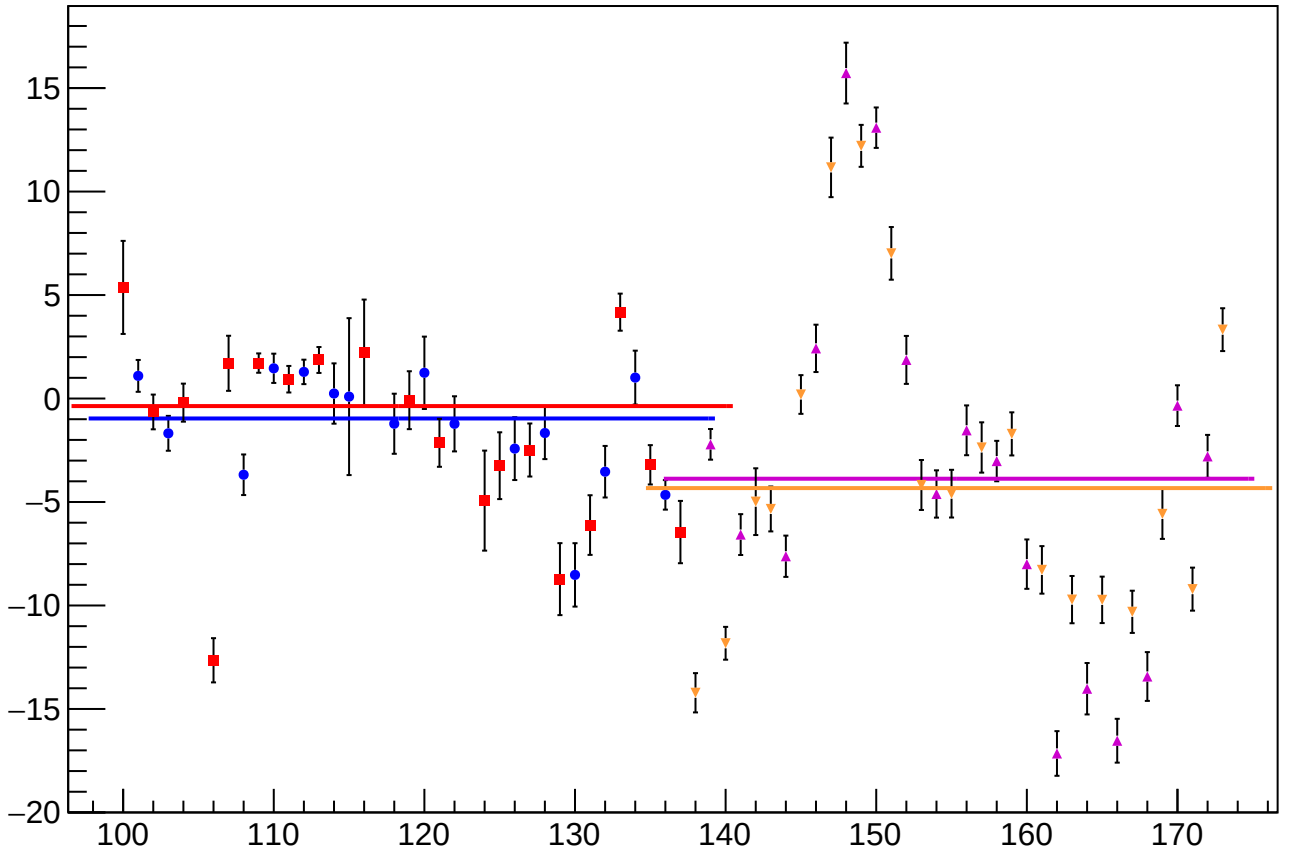
Left: -0.667+/-0.014 χ^2/NDF: 2056.6/35

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.733+/-0.018 χ^2/NDF:2266.4/32

Out: -0.759+/-0.018 χ^2/NDF:1807.4/37

All: -0.746+/-0.013 χ^2/NDF: 4074.9/70



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -4.328+/-0.250 χ^2/NDF:862.6/18

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -3.875+/-0.257 χ^2/NDF:1018.6/16

Left: -4.108+/-0.179 χ^2/NDF: 1882.8/35

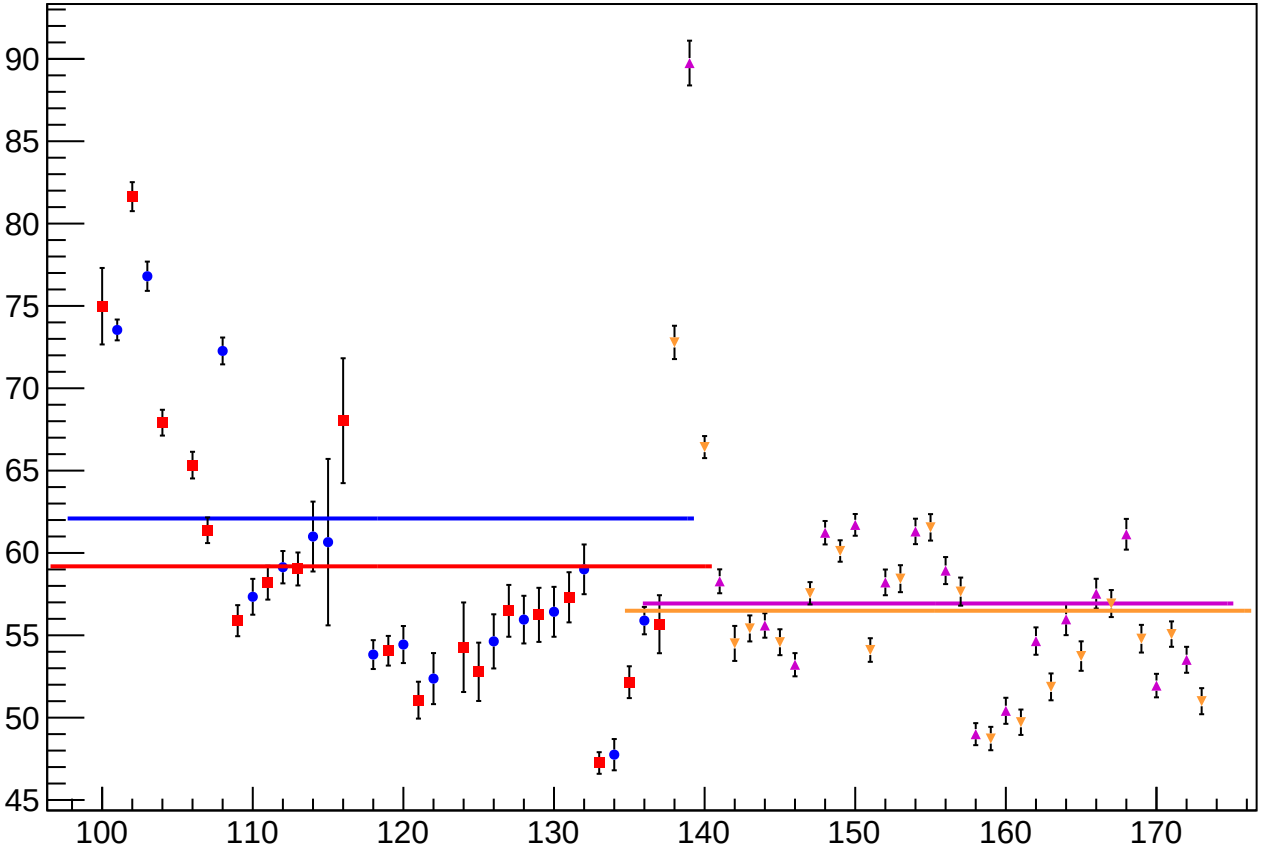
Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -2.399+/-0.180 χ^2/NDF:1186.9/32

Out: -2.128+/-0.167 χ^2/NDF:1282.7/37

All: -2.253+/-0.122 χ^2/NDF: 2470.9/70

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 56.491+/-0.180 χ^2/NDF:876.6/18

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 56.932+/-0.190 χ^2/NDF:1052.4/16

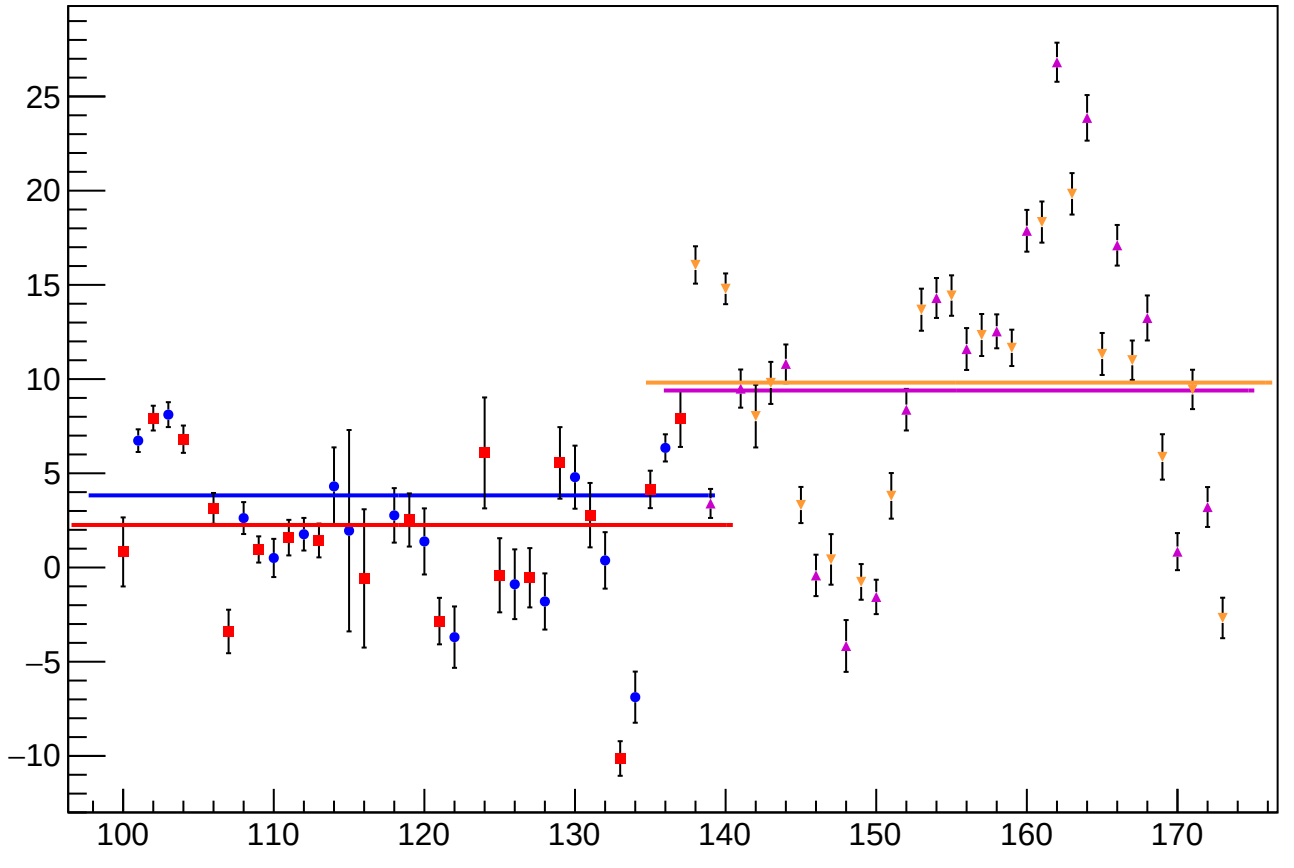
Left: 56.700+/-0.131 χ^2/NDF: 1931.9/35

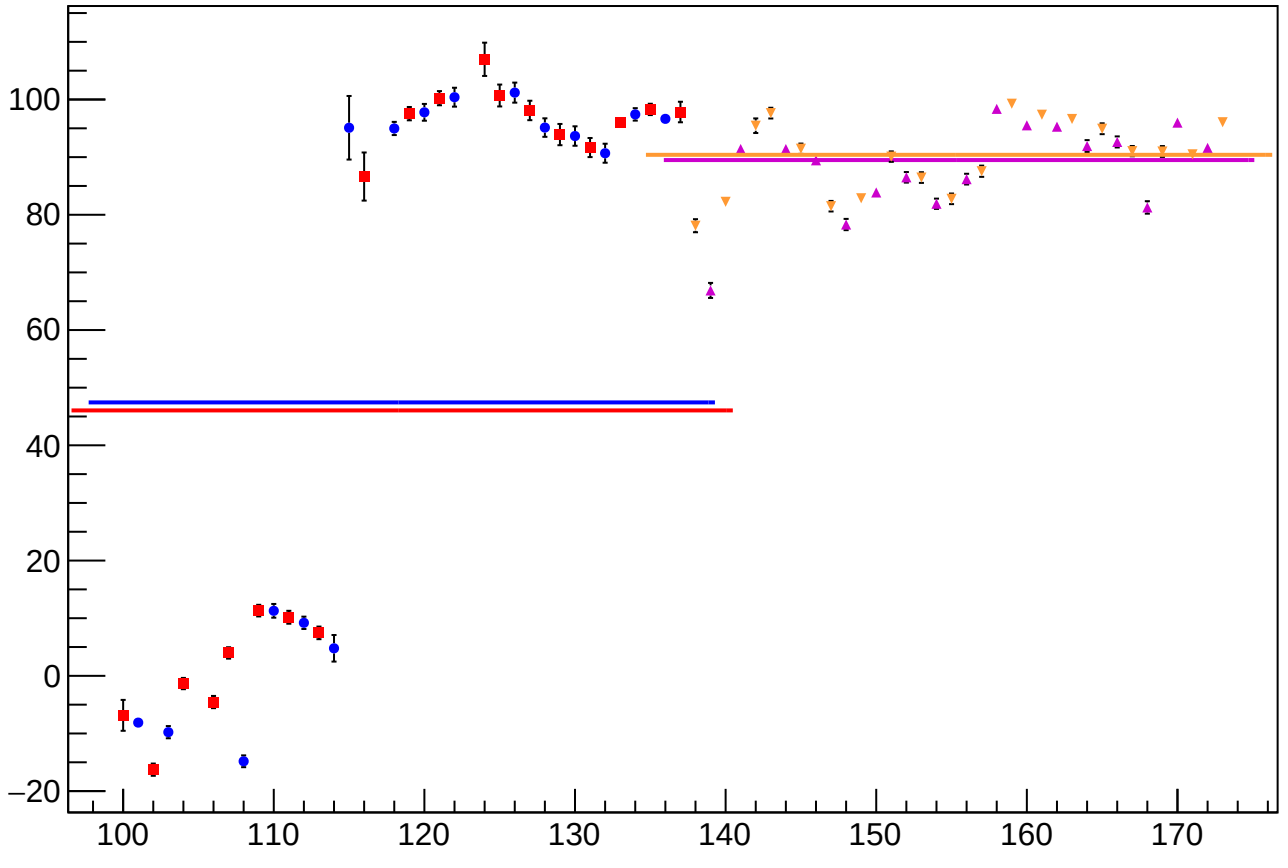
Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 58.684+/-0.155 χ^2/NDF:2603.6/32

Out: 57.444+/-0.145 χ^2/NDF:2357.9/37

All: 58.024+/-0.106 χ^2/NDF: 4995.8/70


reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
−10
100
110
120
130
140
150
160
170
Right In: 3.828+/-0.265 χ²/NDF: 208.6/15
Left Out: 9.814+/-0.246 χ²/NDF:654.5/18
Right Out: 2.257+/-0.246 χ²/NDF: 371.9/18
Left In: 9.395+/-0.251 χ²/NDF:1076.5/16
Left: 9.609+/-0.176 χ²/NDF: 1732.4/35
Right: 2.985+/-0.181 χ²/NDF: 599.4/34
In: 6.761+/-0.182 χ²/NDF:1517.1/32
Out: 6.043+/-0.174 χ²/NDF:1497.5/37
All: 6.385+/-0.126 χ²/NDF: 3022.7/70



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 90.402+/-0.205 χ^2/NDF:917.4/18

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 89.491+/-0.215 χ^2/NDF:996.7/16

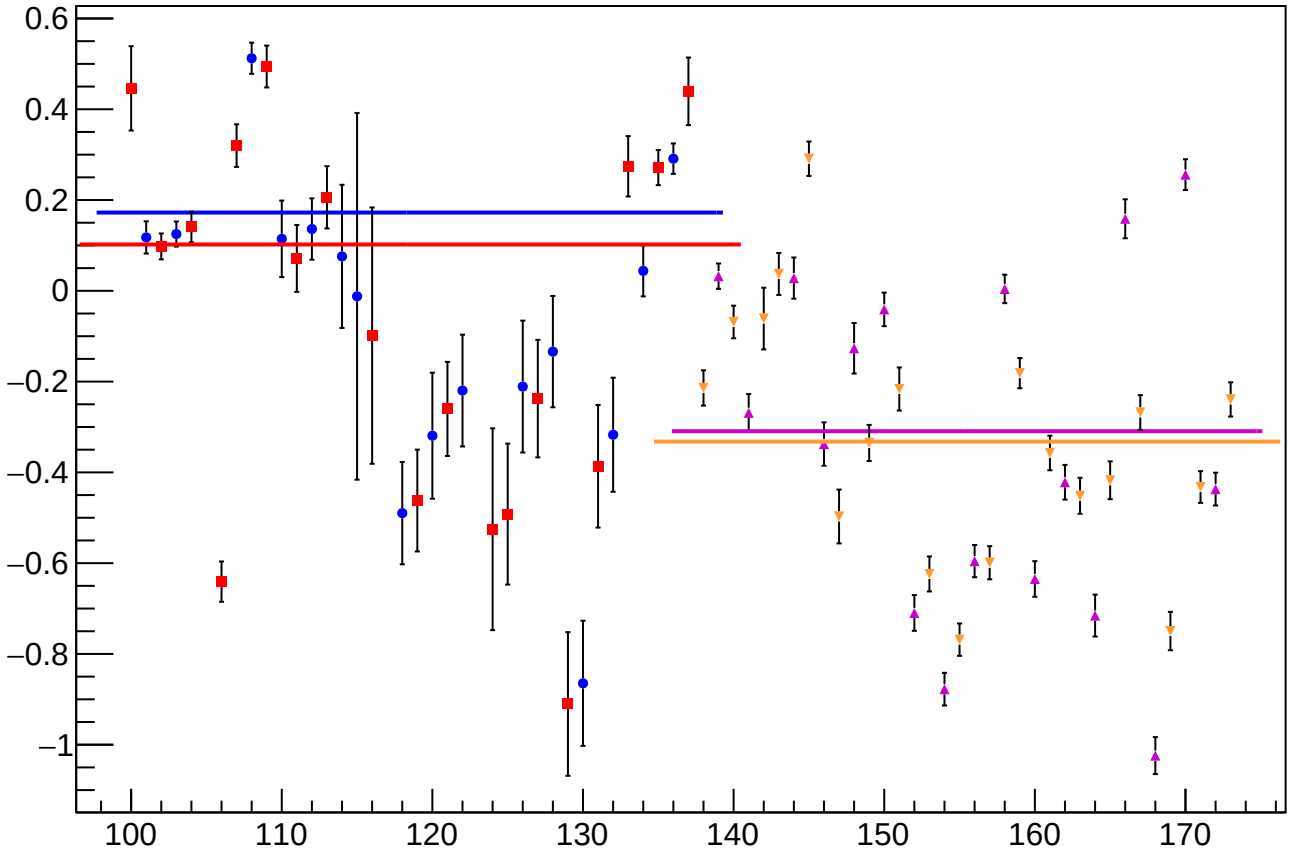
Left: 89.968+/-0.149 χ^2/NDF: 1923.4/35

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 75.711+/-0.176 χ^2/NDF:40408.7/32

Out: 75.212+/-0.166 χ^2/NDF:45799.5/37

All: 75.447+/-0.121 χ^2/NDF: 86212.4/70



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.332+/-0.009 χ^2/NDF:836.9/18

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.309+/-0.009 χ^2/NDF:1659.9/16

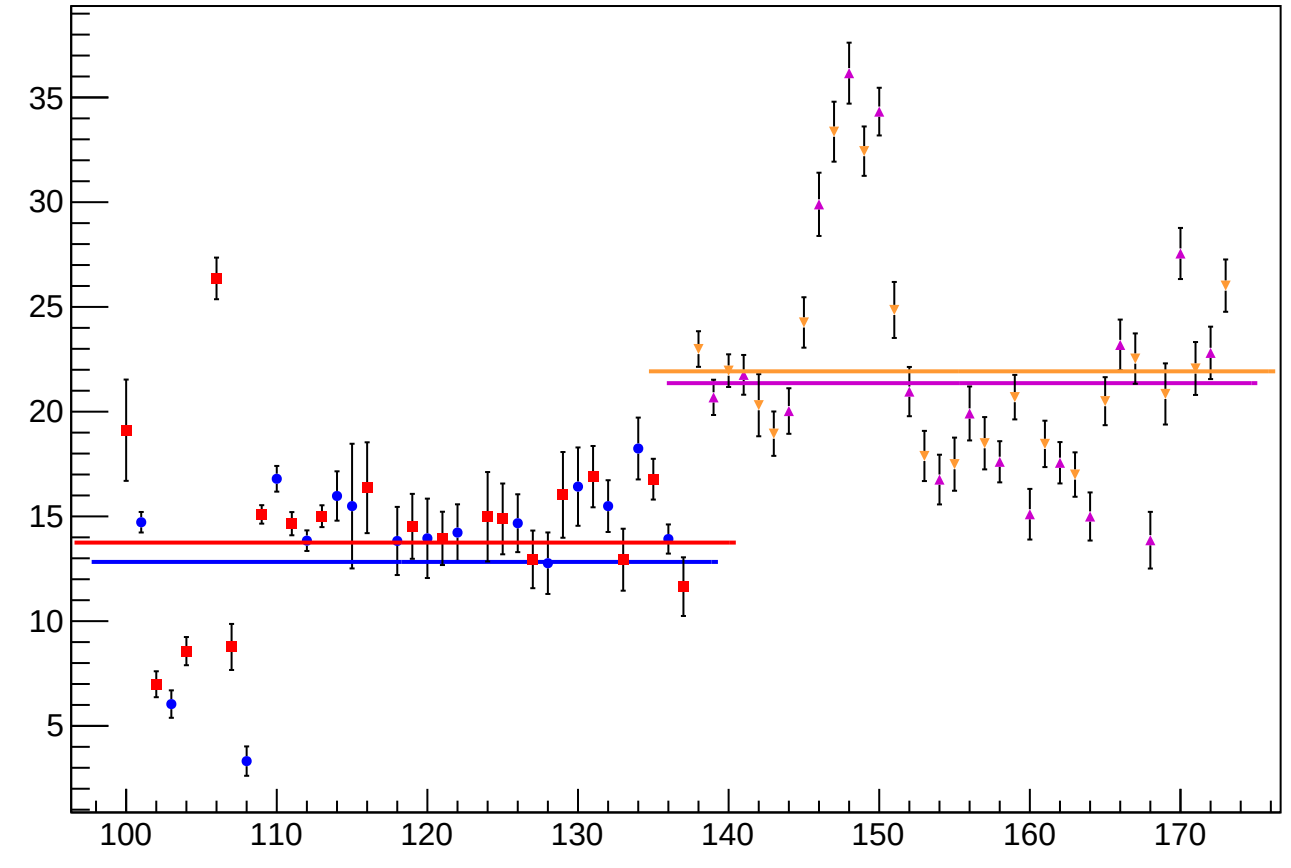
Left: -0.321+/-0.007 χ^2/NDF: 2499.9/35

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: -0.165+/-0.008 χ^2/NDF:2736.5/32

Out: -0.195+/-0.008 χ^2/NDF:2108.7/37

All: -0.180+/-0.005 χ^2/NDF: 4852.9/70



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 21.926+/-0.262 χ^2/NDF:239.6/18

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 21.362+/-0.276 χ^2/NDF:430.7/16

Left: 21.658+/-0.190 χ^2/NDF: 672.5/35

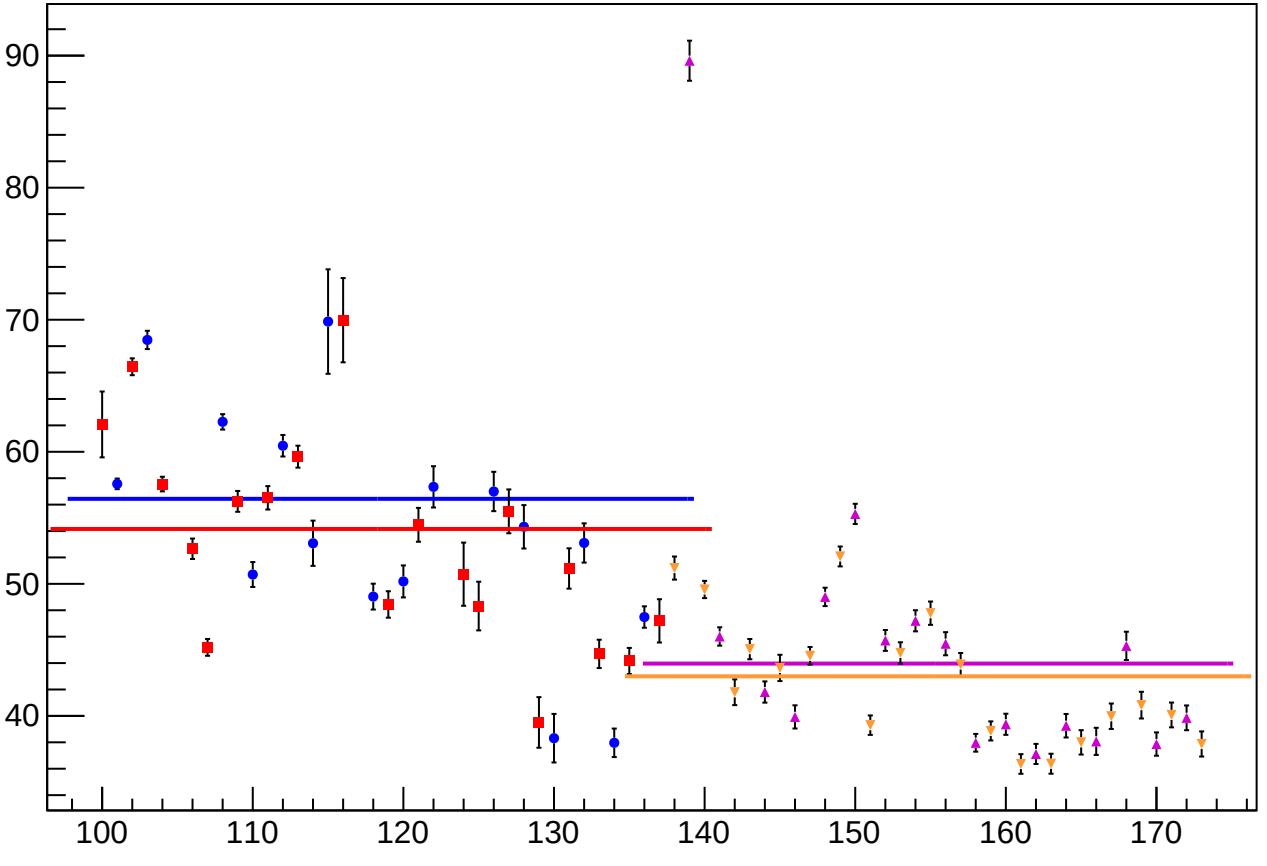
Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 16.033+/-0.169 χ^2/NDF:1415.8/32

Out: 16.839+/-0.161 χ^2/NDF:1249.6/37

All: 16.455+/-0.117 χ^2/NDF: 2677.3/70

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 42.998+/-0.188 χ^2/NDF:681.4/18

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 43.963+/-0.202 χ^2/NDF:1561.2/16

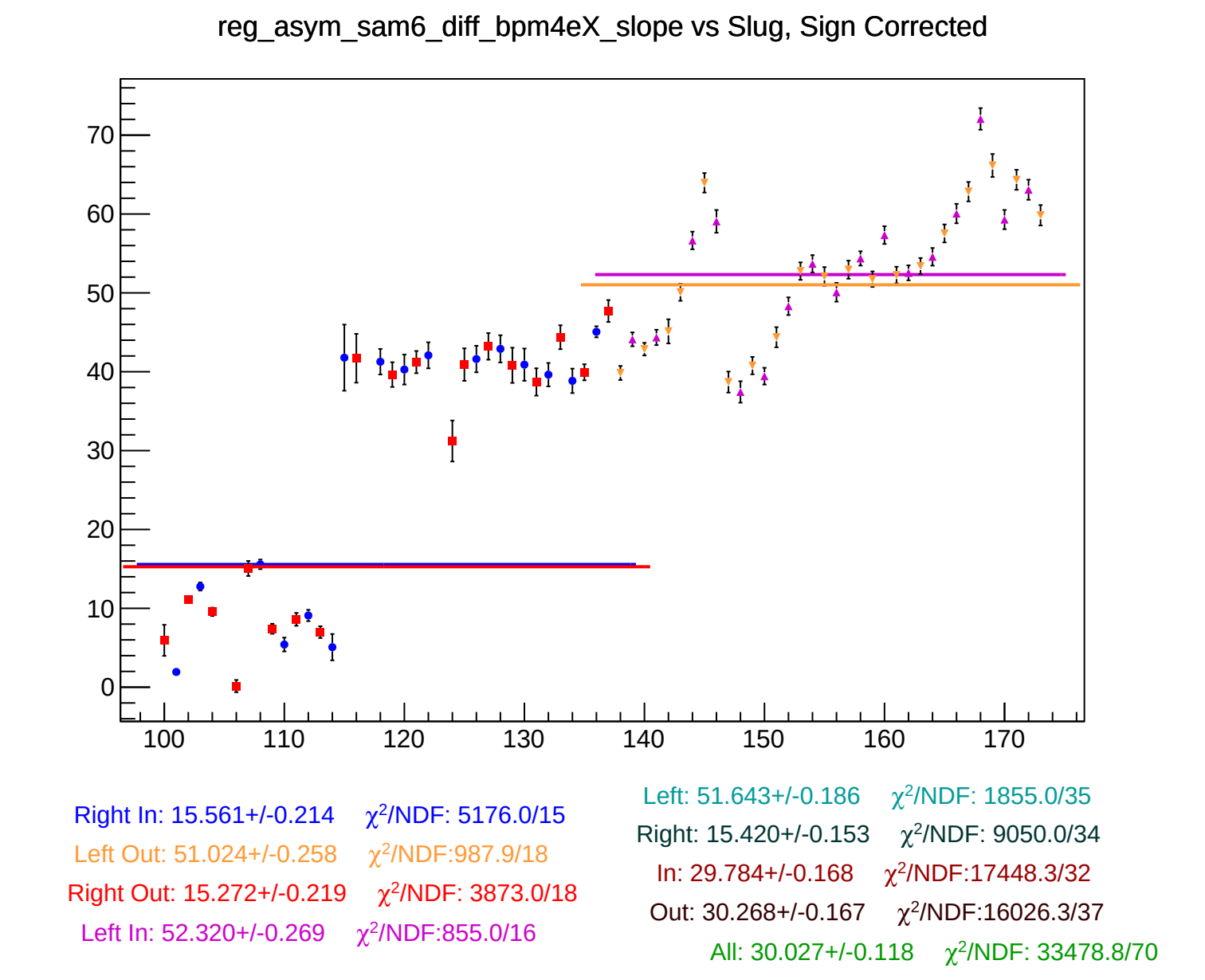
Left: 43.446+/-0.137 χ^2/NDF: 2254.9/35

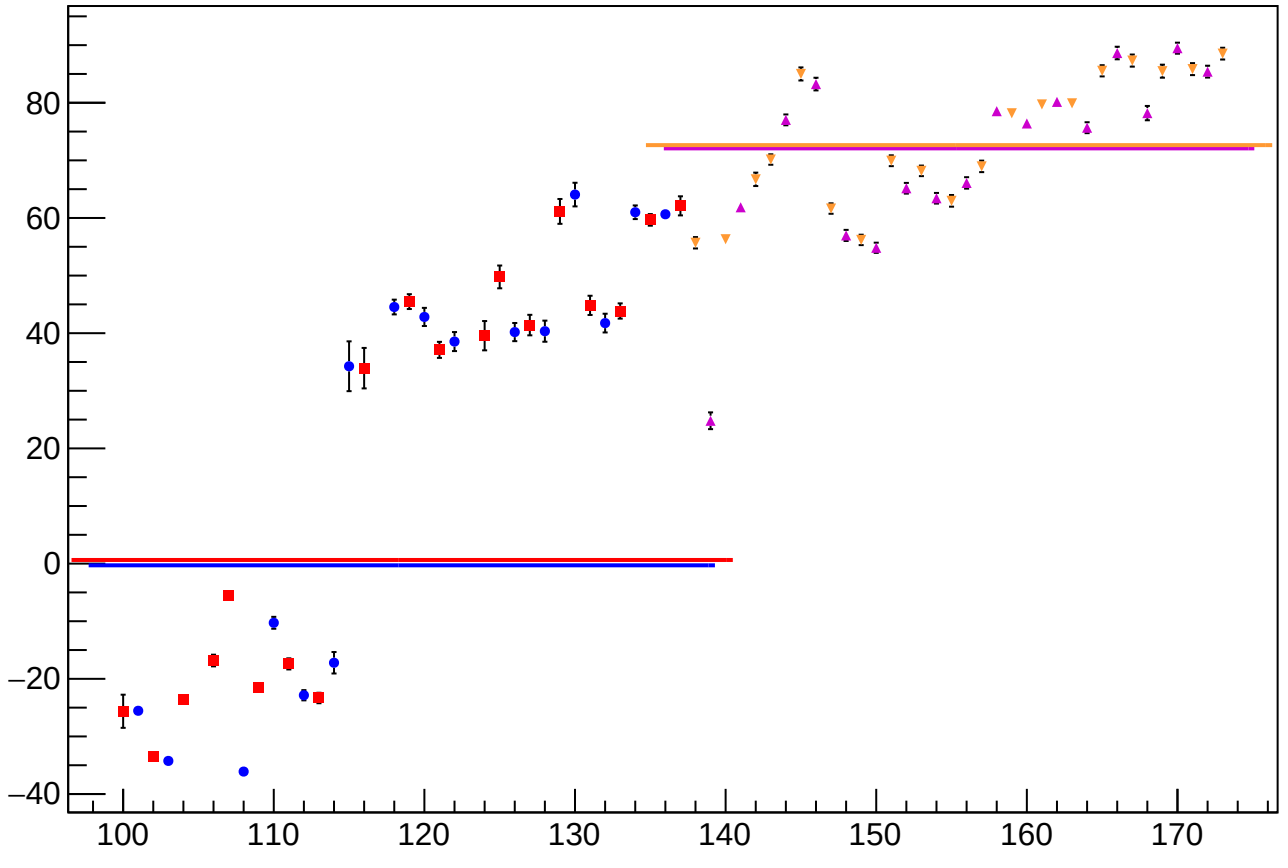
Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 49.610+/-0.149 χ^2/NDF:4380.3/32

Out: 47.593+/-0.144 χ^2/NDF:3140.6/37

All: 48.566+/-0.104 χ^2/NDF: 7615.5/70


reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 15.561+/-0.214 χ²/NDF: 5176.0/15
Left Out: 51.024+/-0.258 χ²/NDF:987.9/18
Right Out: 15.272+/-0.219 χ²/NDF: 3873.0/18
Left In: 52.320+/-0.269 χ²/NDF:855.0/16
Left: 51.643+/-0.186 χ²/NDF: 1855.0/35
Right: 15.420+/-0.153 χ²/NDF: 9050.0/34
In: 29.784+/-0.168 χ²/NDF:17448.3/32
Out: 30.268+/-0.167 χ²/NDF:16026.3/37
All: 30.027+/-0.118 χ²/NDF: 33478.8/70



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 72.646+/-0.215 χ^2/NDF:2612.0/18

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 72.079+/-0.228 χ^2/NDF:3125.7/16

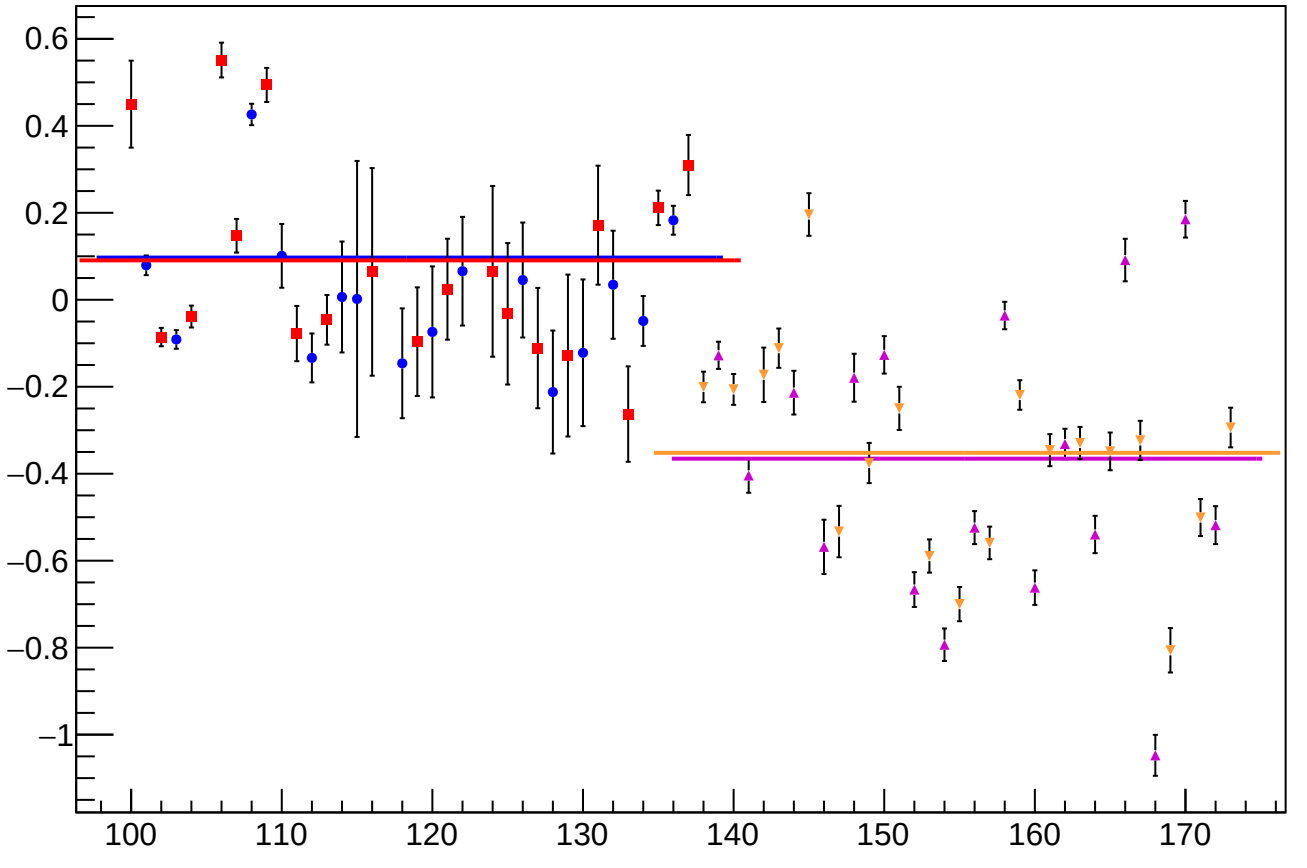
Left: 72.380+/-0.157 χ^2/NDF: 5740.9/35

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 40.741+/-0.172 χ^2/NDF:67623.1/32

Out: 43.893+/-0.167 χ^2/NDF:63471.1/37

All: 42.368+/-0.120 χ^2/NDF: 131267.6/70



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.352+/-0.010 χ^2/NDF:467.0/18

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.365+/-0.010 χ^2/NDF:988.0/16

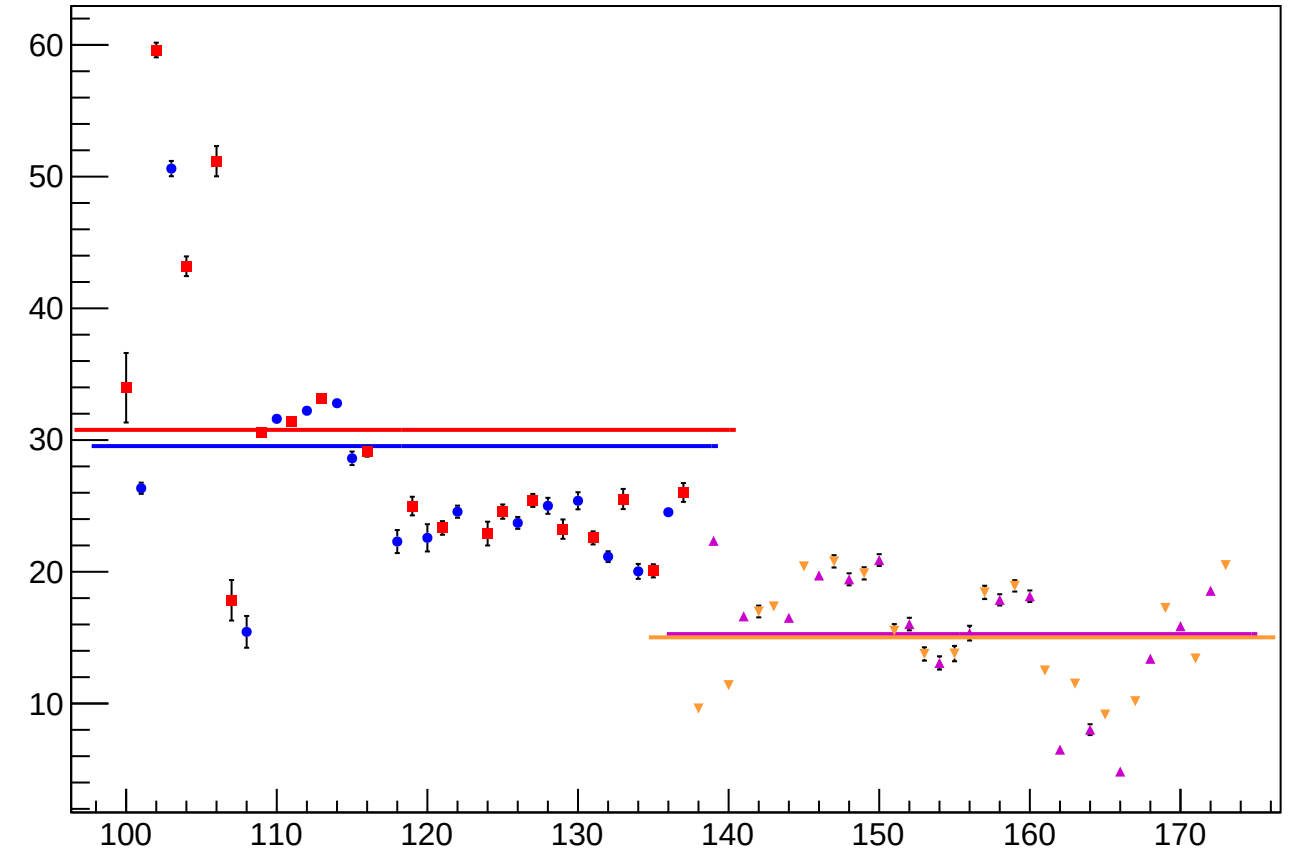
Left: -0.358+/-0.007 χ^2/NDF: 1455.9/35

Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: -0.163+/-0.007 χ^2/NDF:2240.6/32

Out: -0.167+/-0.007 χ^2/NDF:1745.2/37

All: -0.165+/-0.005 χ^2/NDF: 3986.0/70



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 15.022+/-0.085 χ^2/NDF:2358.0/18

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 15.269+/-0.090 χ^2/NDF:3086.6/16

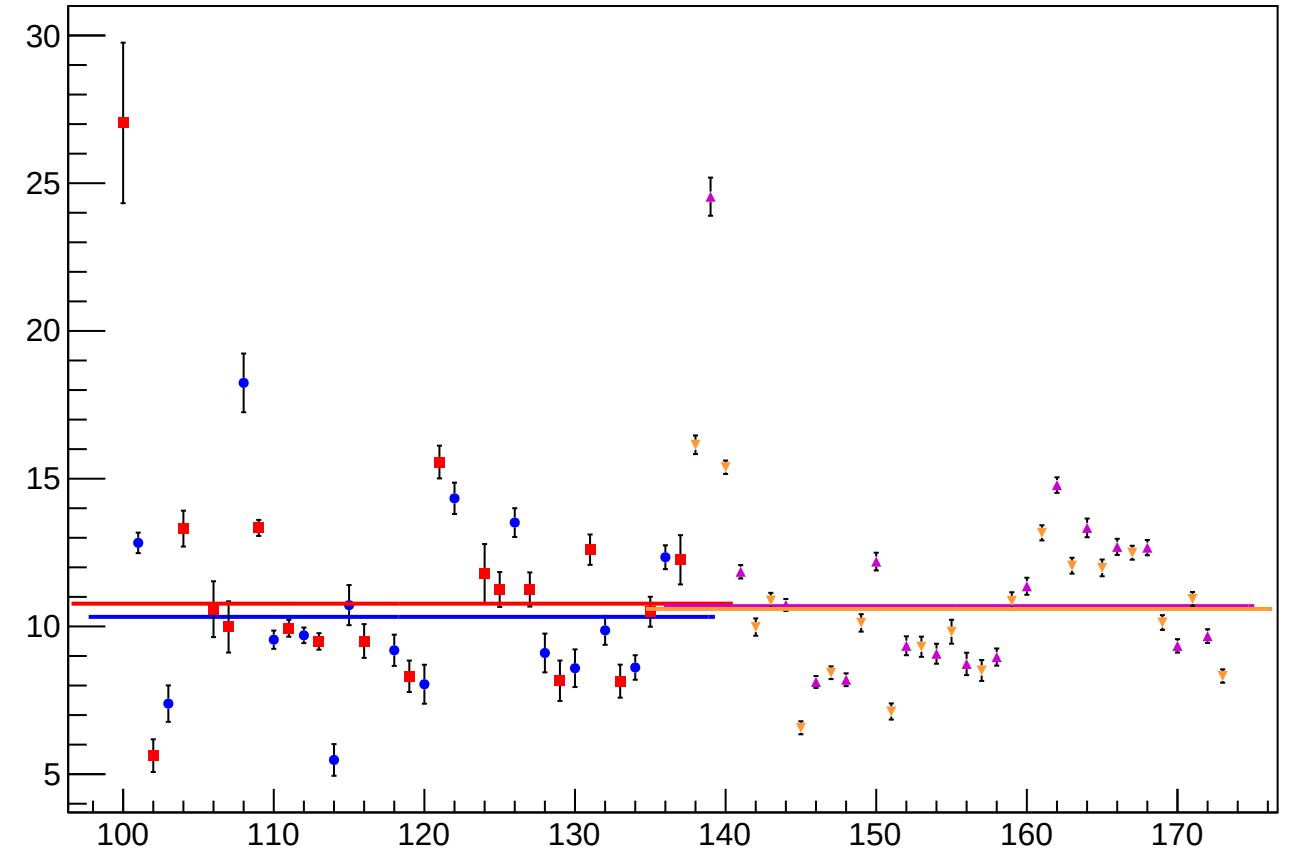
Left: 15.139+/-0.062 χ^2/NDF: 5448.6/35

Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 22.212+/-0.064 χ^2/NDF:18830.0/32

Out: 23.340+/-0.058 χ^2/NDF:25665.0/37

All: 22.830+/-0.043 χ^2/NDF: 44664.3/70



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.592+/-0.061 χ^2/NDF:1730.1/18

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 10.687+/-0.064 χ^2/NDF:1394.7/16

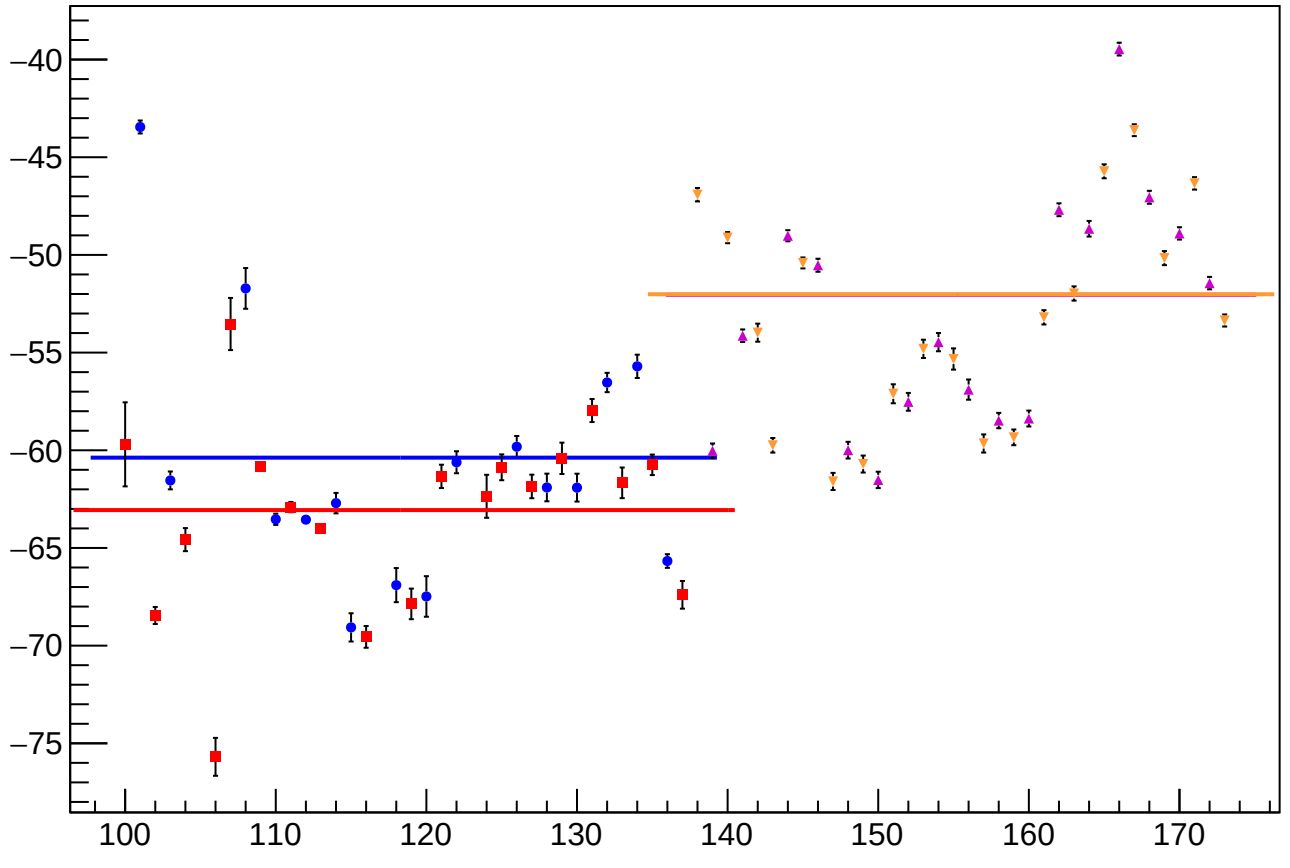
Left: 10.637+/-0.044 χ^2/NDF: 3125.9/35

Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 10.599+/-0.056 χ^2/NDF:1805.0/32

Out: 10.633+/-0.054 χ^2/NDF:2147.8/37

All: 10.617+/-0.039 χ^2/NDF: 3953.0/70



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -52.013+/-0.084 χ^2/NDF:3910.9/18

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: -52.040+/-0.088 χ^2/NDF:4293.4/16

Left: -52.026+/-0.061 χ^2/NDF: 8204.4/35

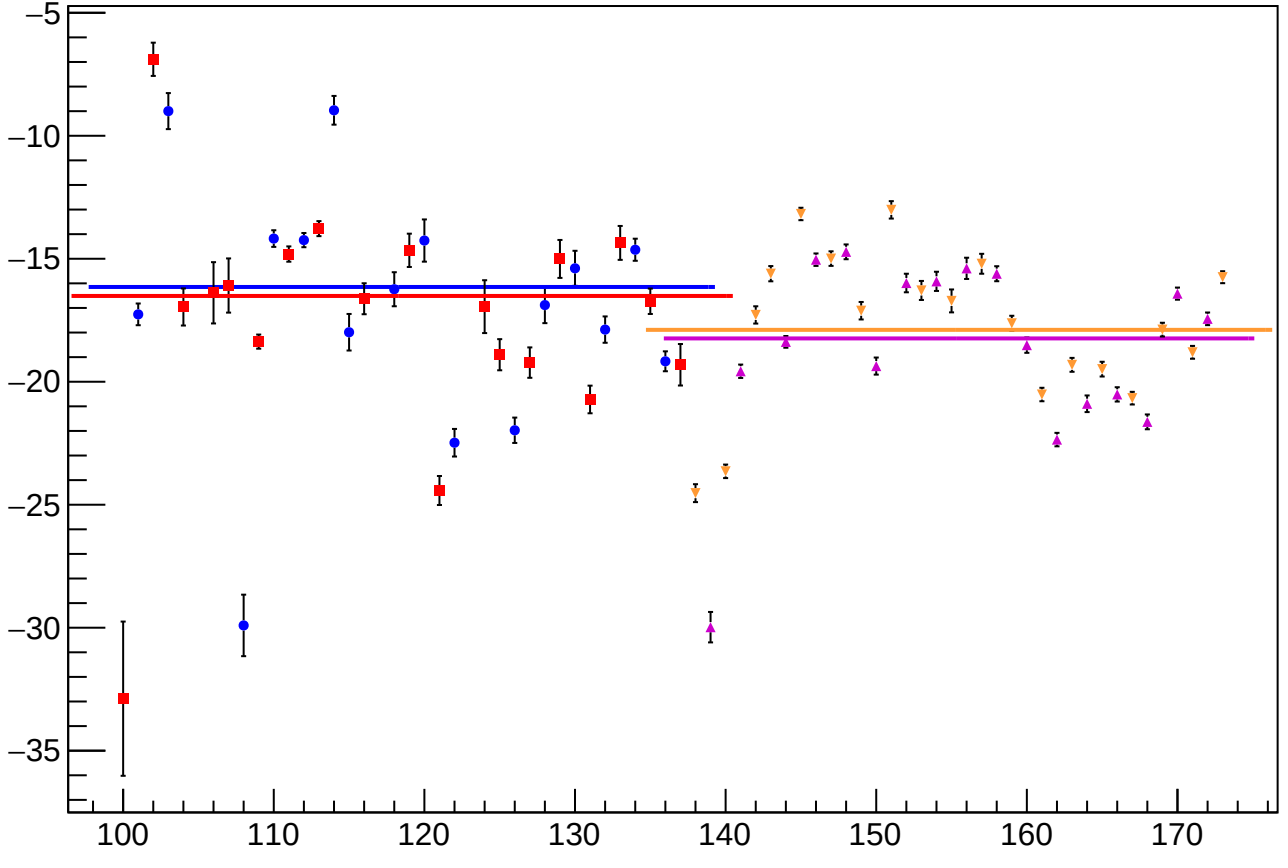
Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -55.197+/-0.070 χ^2/NDF:11272.7/32

Out: -56.237+/-0.066 χ^2/NDF:11309.2/37

All: -55.742+/-0.048 χ^2/NDF: 22699.0/70

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -17.890+/-0.070 χ^2/NDF:1884.3/18

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -18.239+/-0.074 χ^2/NDF:1419.3/16

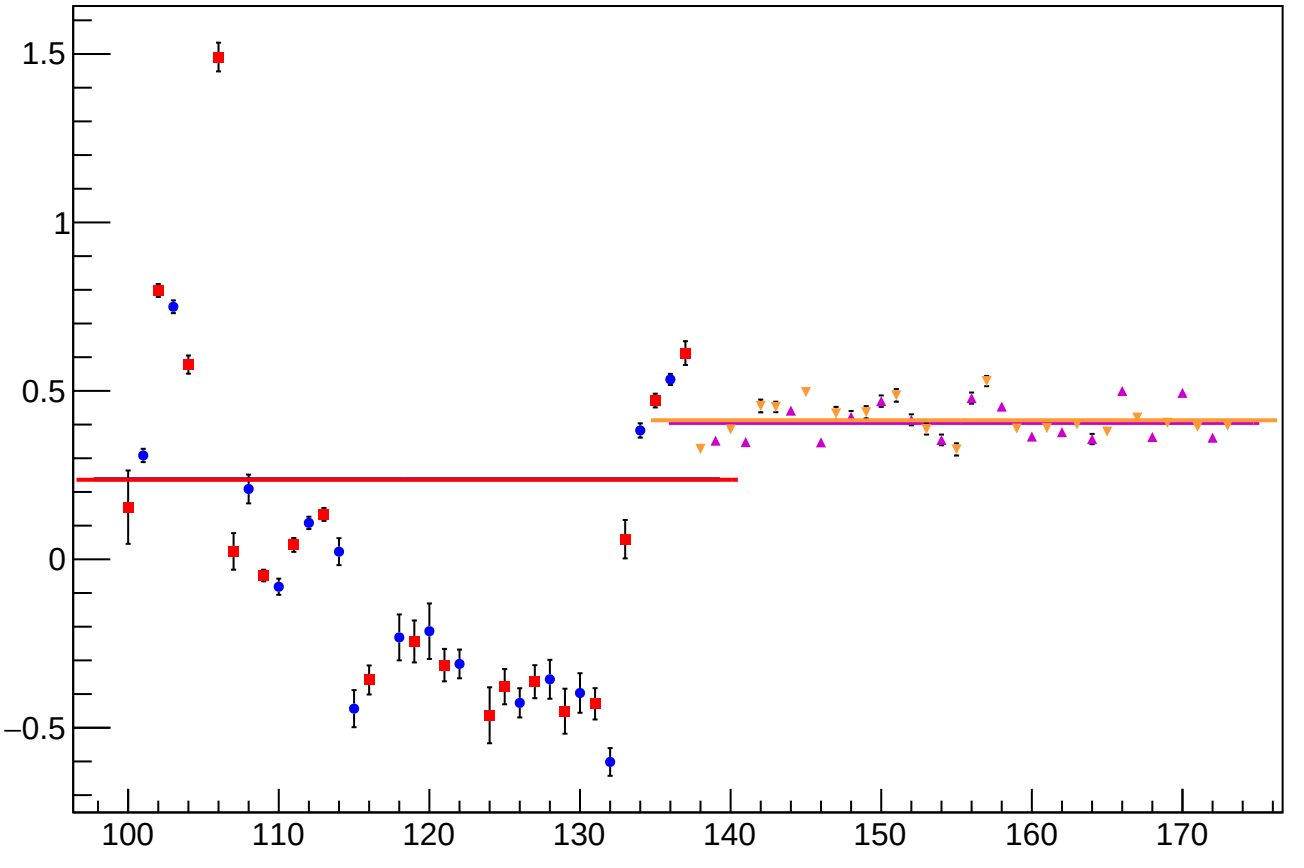
Left: -18.055+/-0.051 χ^2/NDF: 3315.5/35

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -17.715+/-0.064 χ^2/NDF:2419.2/32

Out: -17.563+/-0.061 χ^2/NDF:2662.2/37

All: -17.635+/-0.044 χ^2/NDF: 5084.4/70



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.413+/-0.003 χ^2/NDF:232.4/18

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.405+/-0.003 χ^2/NDF:288.3/16

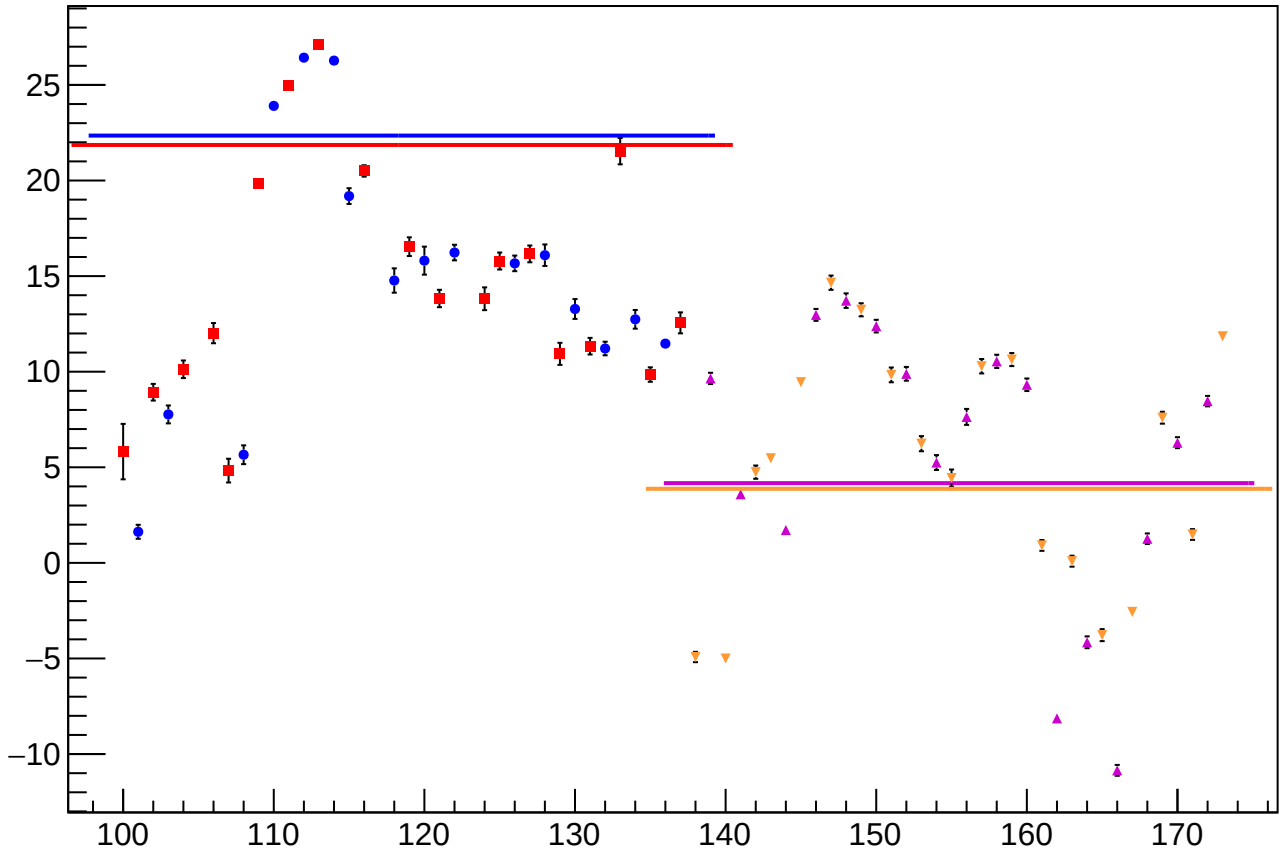
Left: 0.409+/-0.002 χ^2/NDF: 523.7/35

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.375+/-0.003 χ^2/NDF:3381.1/32

Out: 0.384+/-0.003 χ^2/NDF:4344.8/37

All: 0.379+/-0.002 χ^2/NDF: 7730.2/70



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 3.876+/-0.068 χ^2/NDF:8522.0/18

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: 4.172+/-0.073 χ^2/NDF:9591.0/16

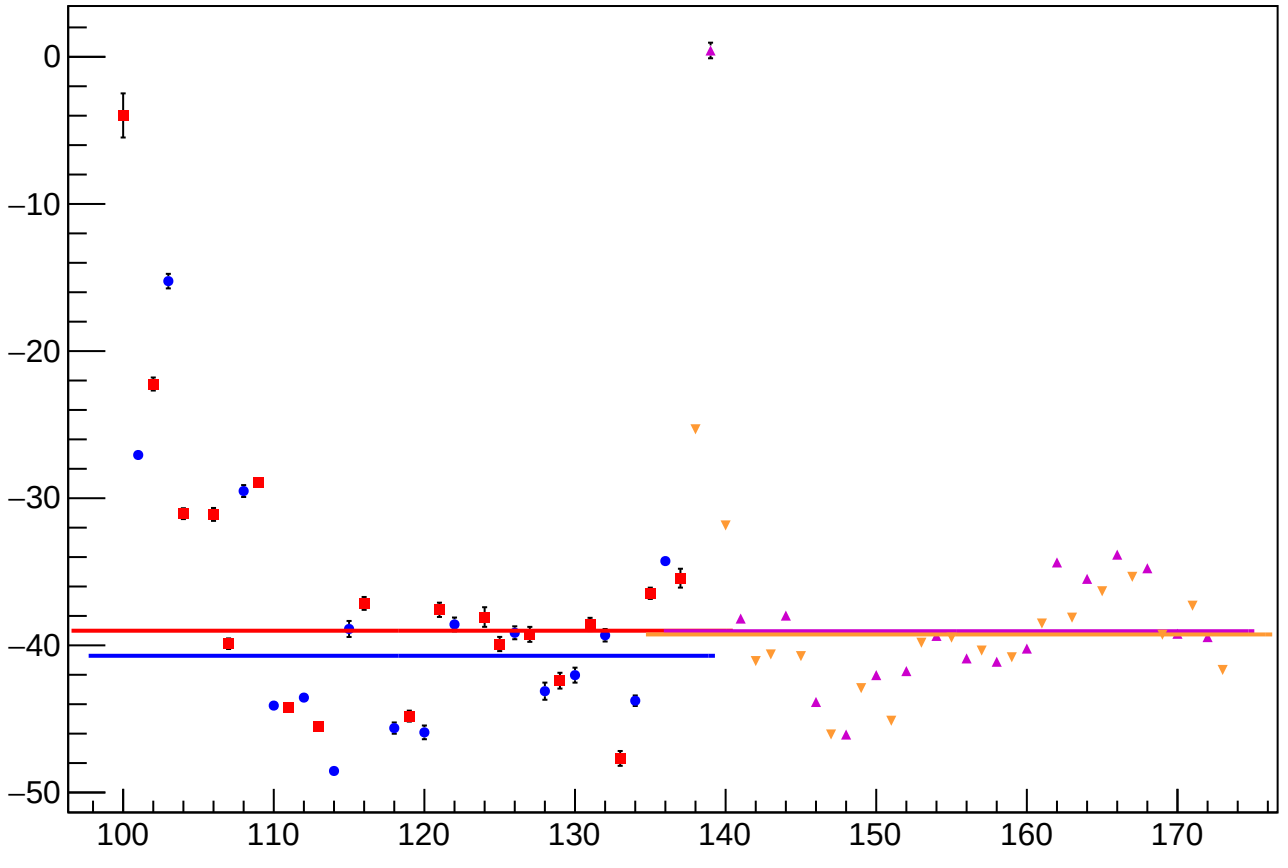
Left: 4.014+/-0.050 χ^2/NDF: 18121.8/35

Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 15.539+/-0.045 χ^2/NDF:60635.7/32

Out: 16.179+/-0.038 χ^2/NDF:66892.8/37

All: 15.908+/-0.029 χ^2/NDF: 127646.4/70



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -39.259+/-0.049 χ^2/NDF:8223.6/18

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: -39.039+/-0.053 χ^2/NDF:9850.7/16

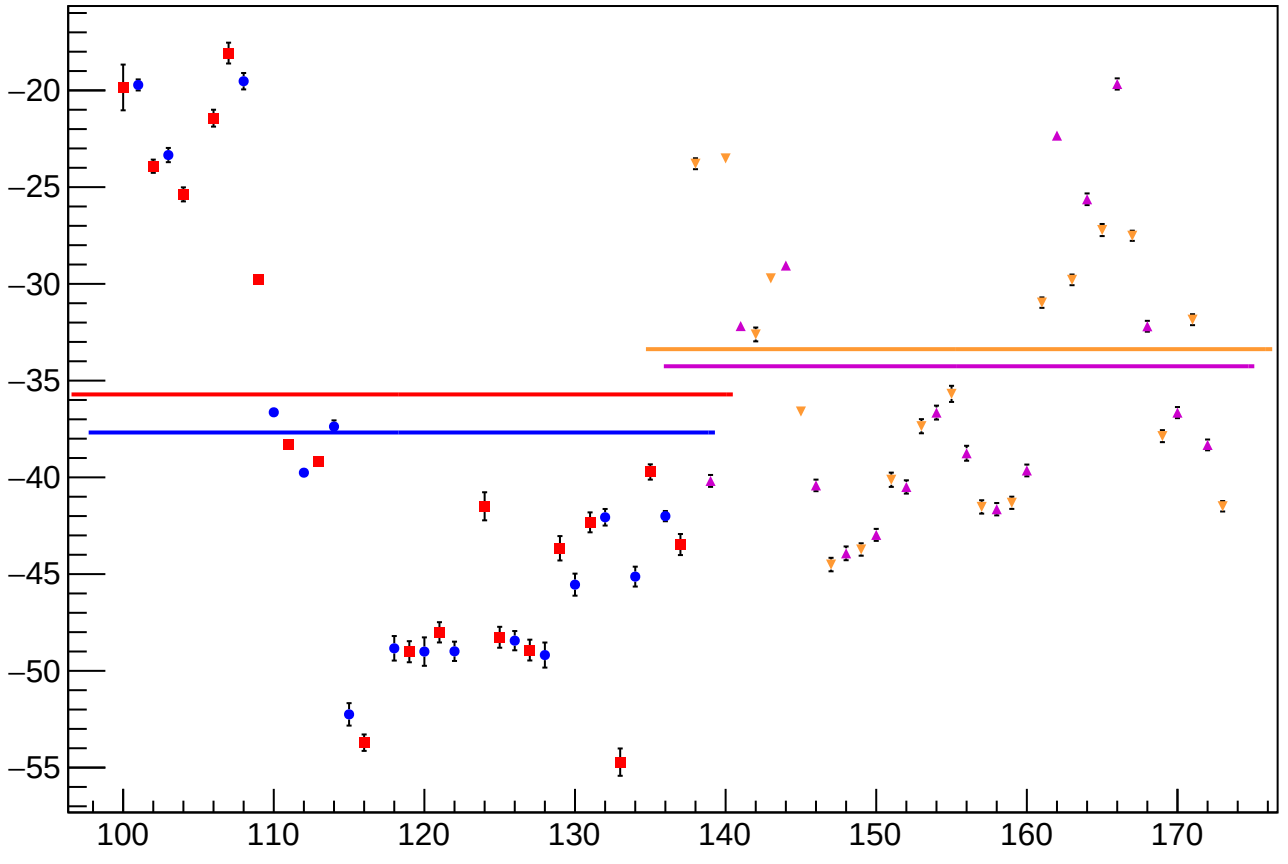
Left: -39.157+/-0.036 χ^2/NDF: 18083.7/35

Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -39.575+/-0.043 χ^2/NDF:17954.6/32

Out: -39.178+/-0.040 χ^2/NDF:18333.7/37

All: -39.361+/-0.029 χ^2/NDF: 36333.6/70



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -33.374+/-0.068 χ^2/NDF:9555.0/18

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -34.258+/-0.072 χ^2/NDF:10193.2/16

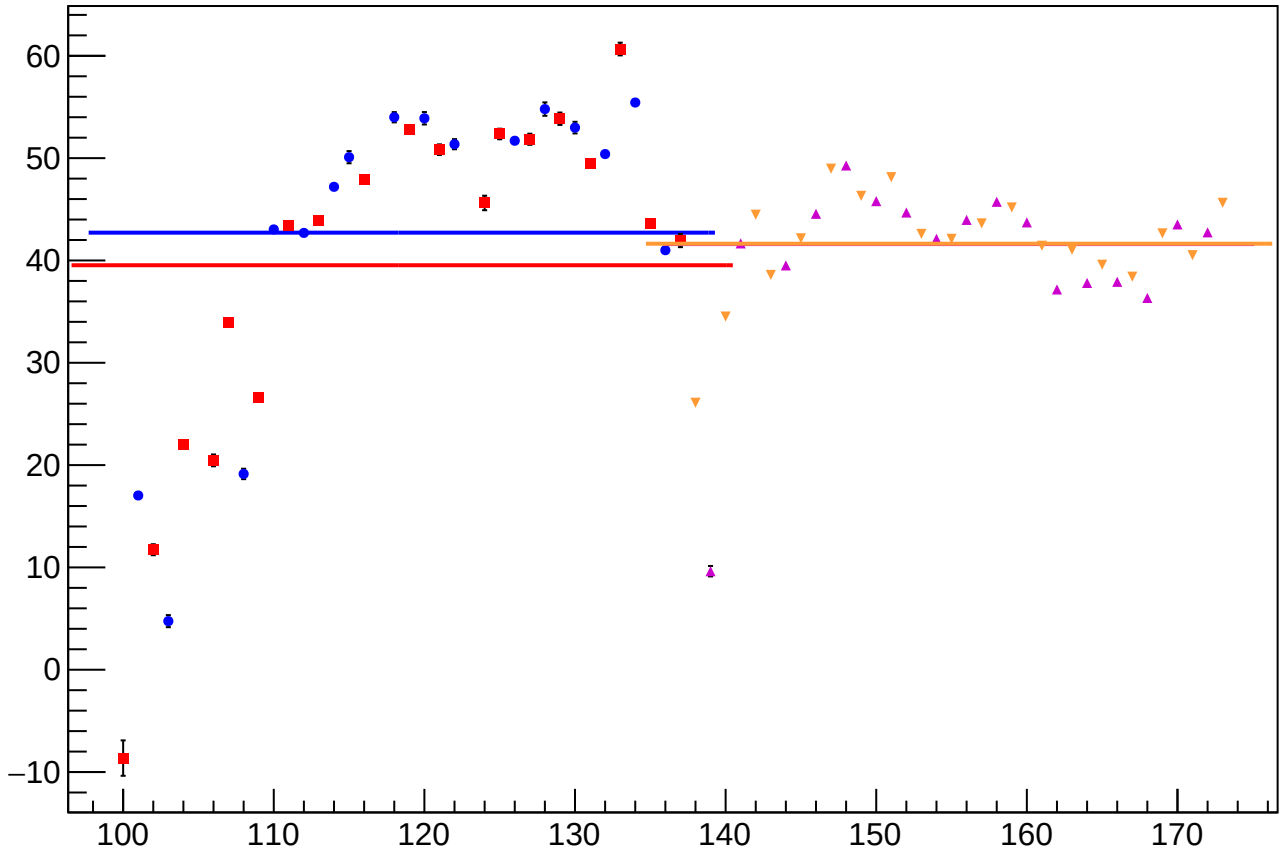
Left: -33.789+/-0.049 χ^2/NDF: 19828.6/35

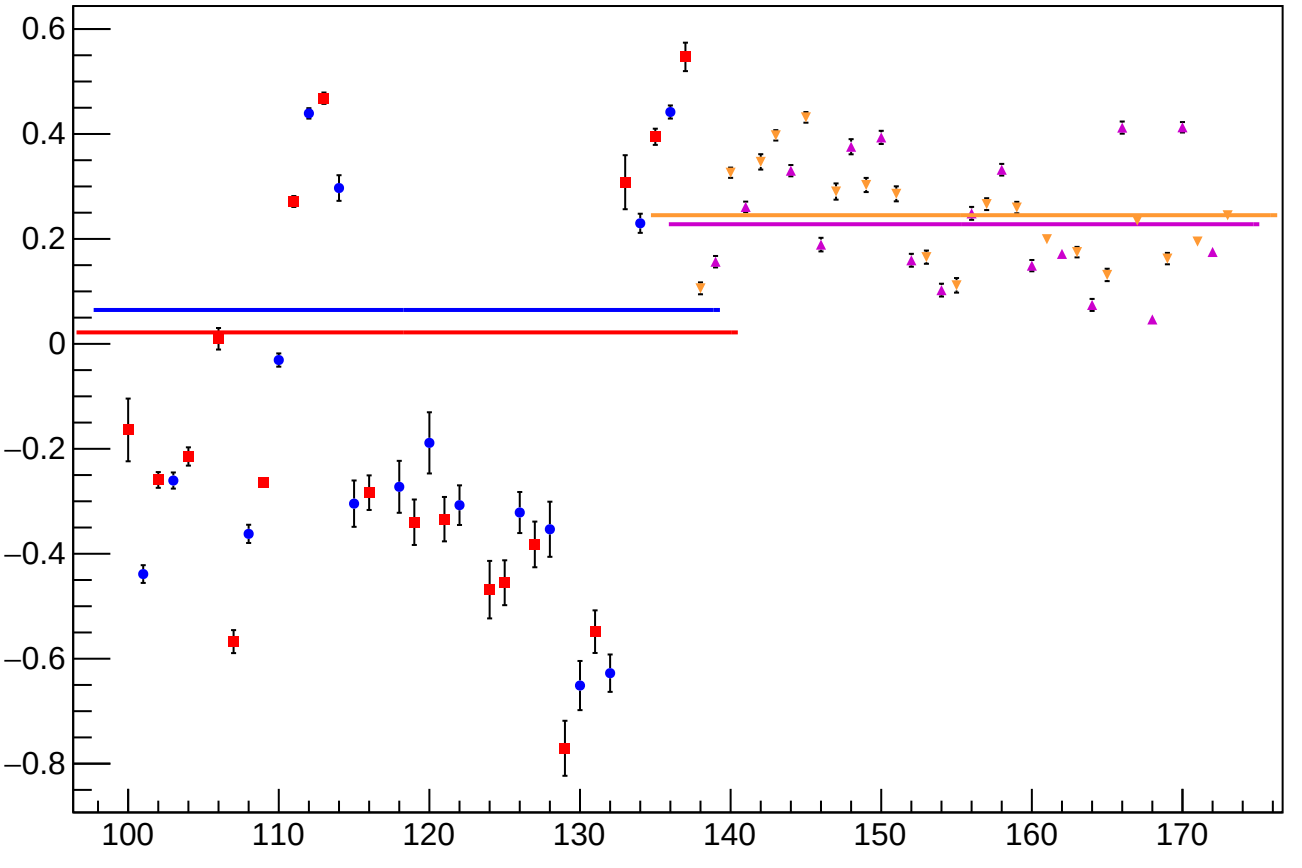
Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -35.924+/-0.051 χ^2/NDF:22152.7/32

Out: -34.602+/-0.047 χ^2/NDF:23458.1/37

All: -35.198+/-0.035 χ^2/NDF: 45973.5/70


reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
−10
100
110
120
130
140
150
160
170
Right In: 42.718+/-0.085 χ²/NDF: 14765.0/15
Left Out: 41.637+/-0.056 χ²/NDF:6925.3/18
Right Out: 39.533+/-0.078 χ²/NDF: 17978.2/18
Left In: 41.603+/-0.060 χ²/NDF:7370.9/16
Left: 41.621+/-0.041 χ²/NDF: 14296.4/35
Right: 40.991+/-0.058 χ²/NDF: 33503.2/34
In: 41.974+/-0.049 χ²/NDF:22250.6/32
Out: 40.927+/-0.045 χ²/NDF:25383.5/37
All: 41.410+/-0.033 χ²/NDF: 47879.2/70



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.245+/-0.003 χ^2/NDF:1267.1/18

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.228+/-0.003 χ^2/NDF:1910.2/16

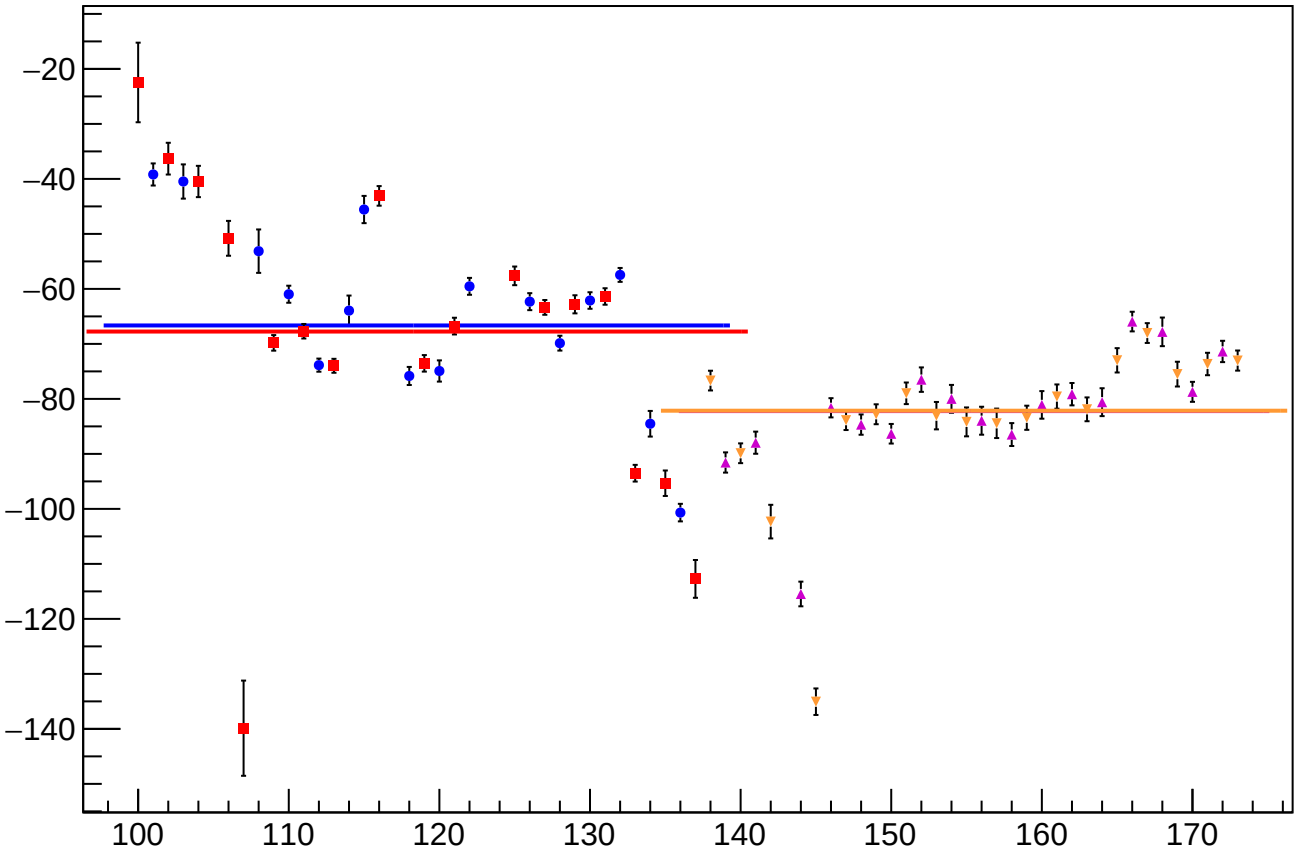
Left: 0.237+/-0.002 χ^2/NDF: 3199.0/35

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.190+/-0.002 χ^2/NDF:8279.4/32

Out: 0.189+/-0.002 χ^2/NDF:9613.3/37

All: 0.189+/-0.002 χ^2/NDF: 17892.7/70



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -82.149+/-0.494 χ^2/NDF:689.4/17

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

Left In: -82.219+/-0.500 χ^2/NDF:424.7/16

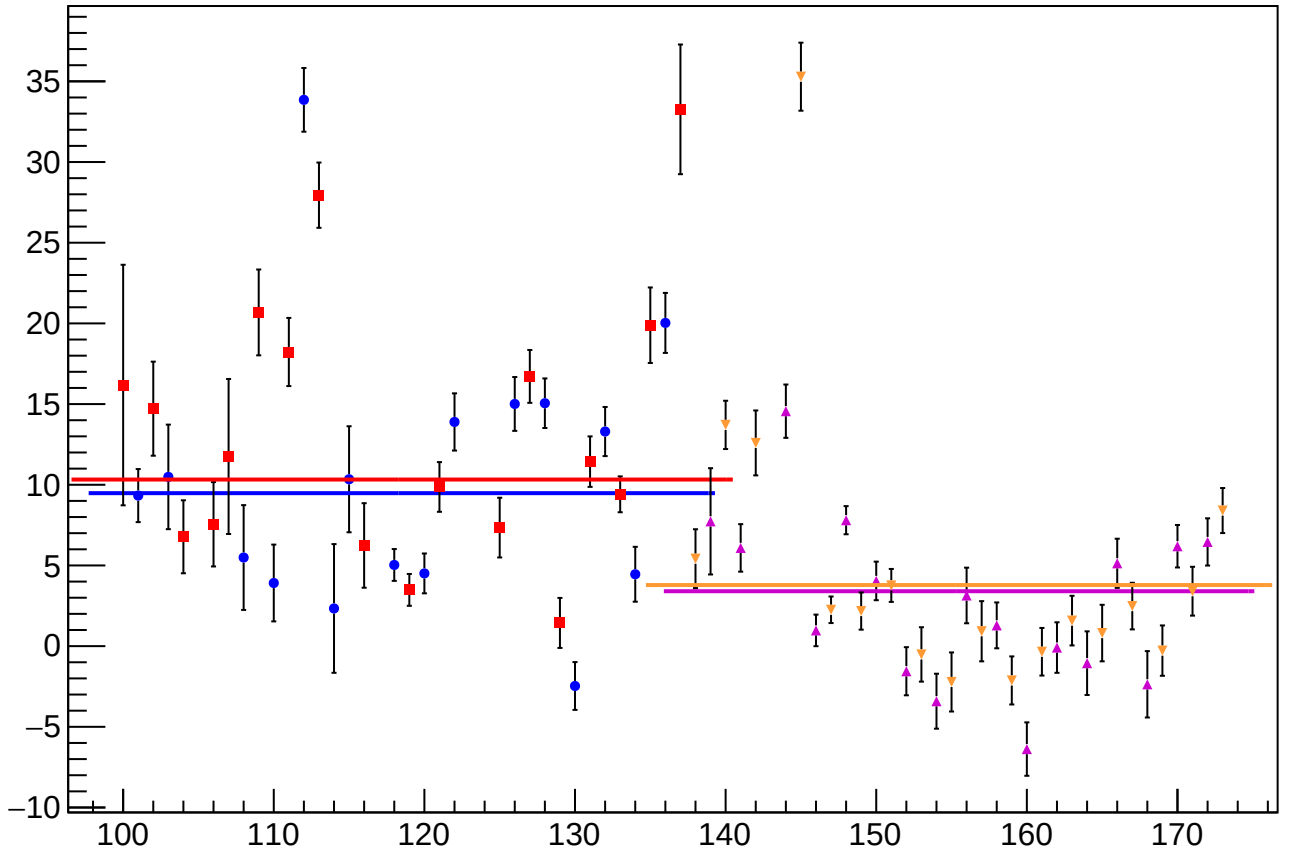
Left: -82.183+/-0.351 χ^2/NDF: 1114.1/34

Right: -67.210+/-0.299 χ^2/NDF: 2311.2/33

In: -73.206+/-0.324 χ^2/NDF:2039.6/32

Out: -73.786+/-0.320 χ^2/NDF:2438.1/35

All: -73.500+/-0.228 χ^2/NDF: 4479.3/68



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 3.786+/-0.336 χ^2/NDF:359.5/17

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 3.402+/-0.346 χ^2/NDF:175.0/16

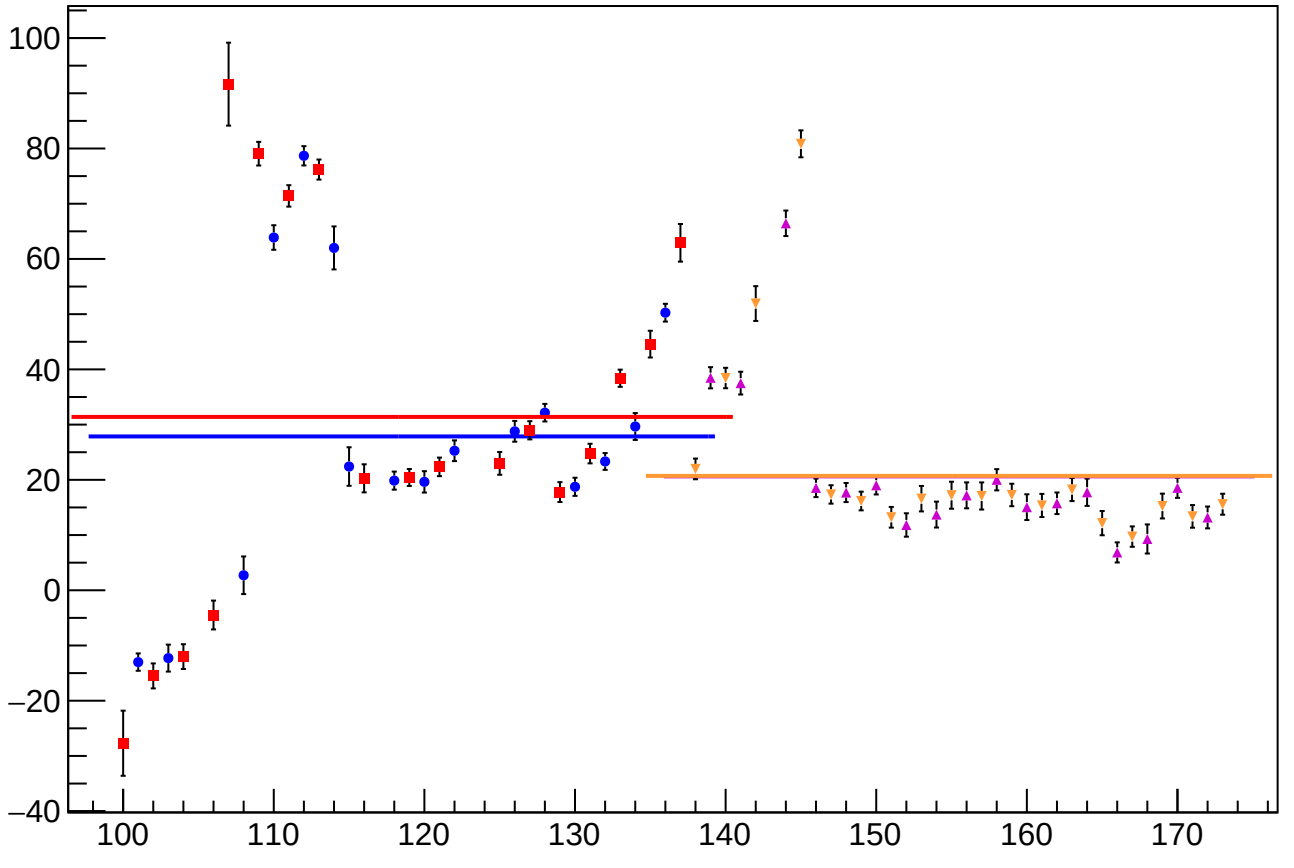
Left: 3.599+/-0.241 χ^2/NDF: 535.1/34

Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 5.804+/-0.269 χ^2/NDF:638.8/32

Out: 6.227+/-0.266 χ^2/NDF:764.1/35

All: 6.018+/-0.189 χ^2/NDF: 1404.1/68



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 20.716+/-0.484 χ^2/NDF:919.9/17

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 20.627+/-0.487 χ^2/NDF:685.5/16

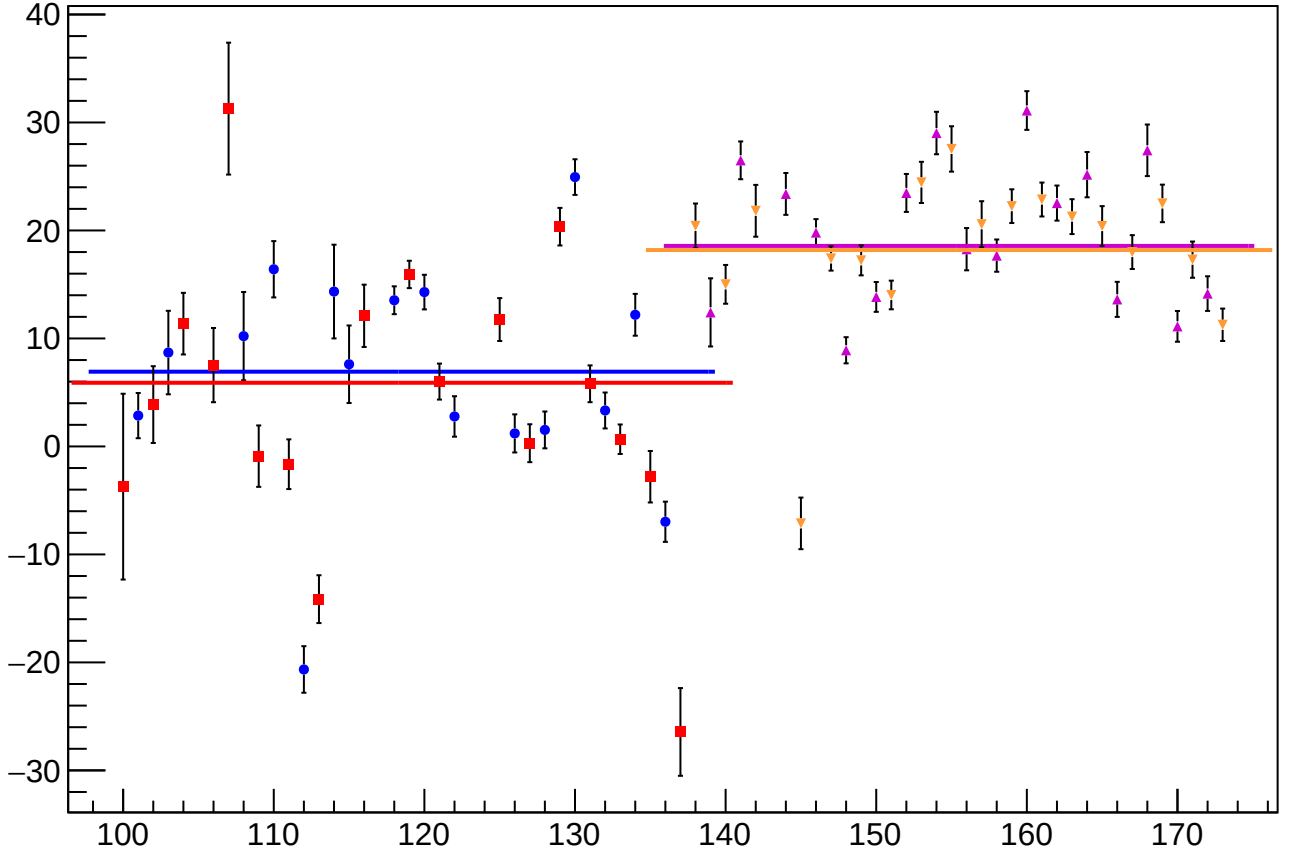
Left: 20.672+/-0.343 χ^2/NDF: 1605.4/34

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 24.277+/-0.343 χ^2/NDF:3270.8/32

Out: 26.011+/-0.343 χ^2/NDF:4173.1/35

All: 25.142+/-0.243 χ^2/NDF: 7456.7/68



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.185+/-0.392 χ^2/NDF:210.0/17

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 18.569+/-0.402 χ^2/NDF:266.0/16

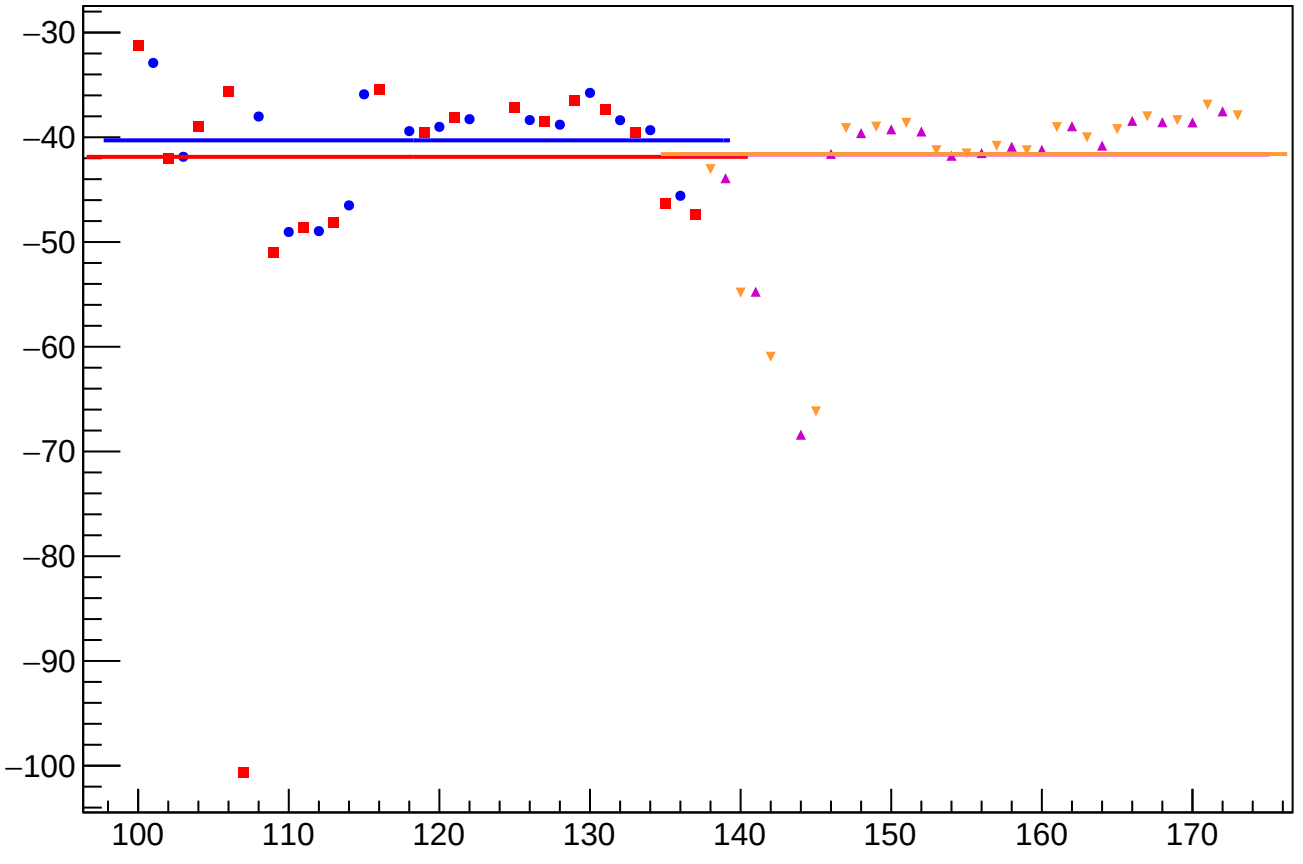
Left: 18.372+/-0.281 χ^2/NDF: 476.5/34

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 13.946+/-0.312 χ^2/NDF:1043.4/32

Out: 13.532+/-0.309 χ^2/NDF:950.4/35

All: 13.737+/-0.220 χ^2/NDF: 1994.7/68



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -41.605+/-0.018 χ^2/NDF:132655.9/17

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

Left In: -41.635+/-0.018 χ^2/NDF:105391.1/16

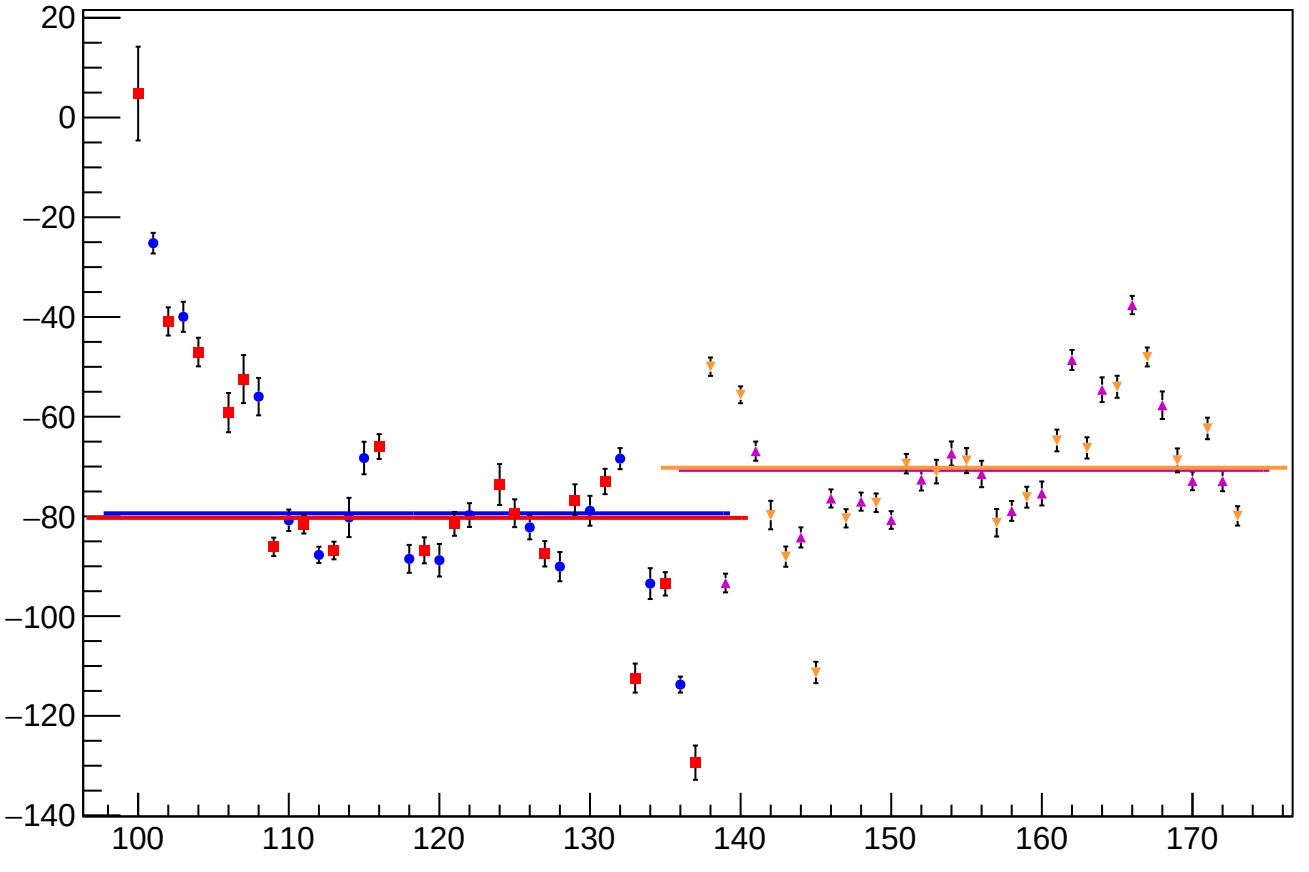
Left: -41.620+/-0.013 χ^2/NDF: 238048.4/34

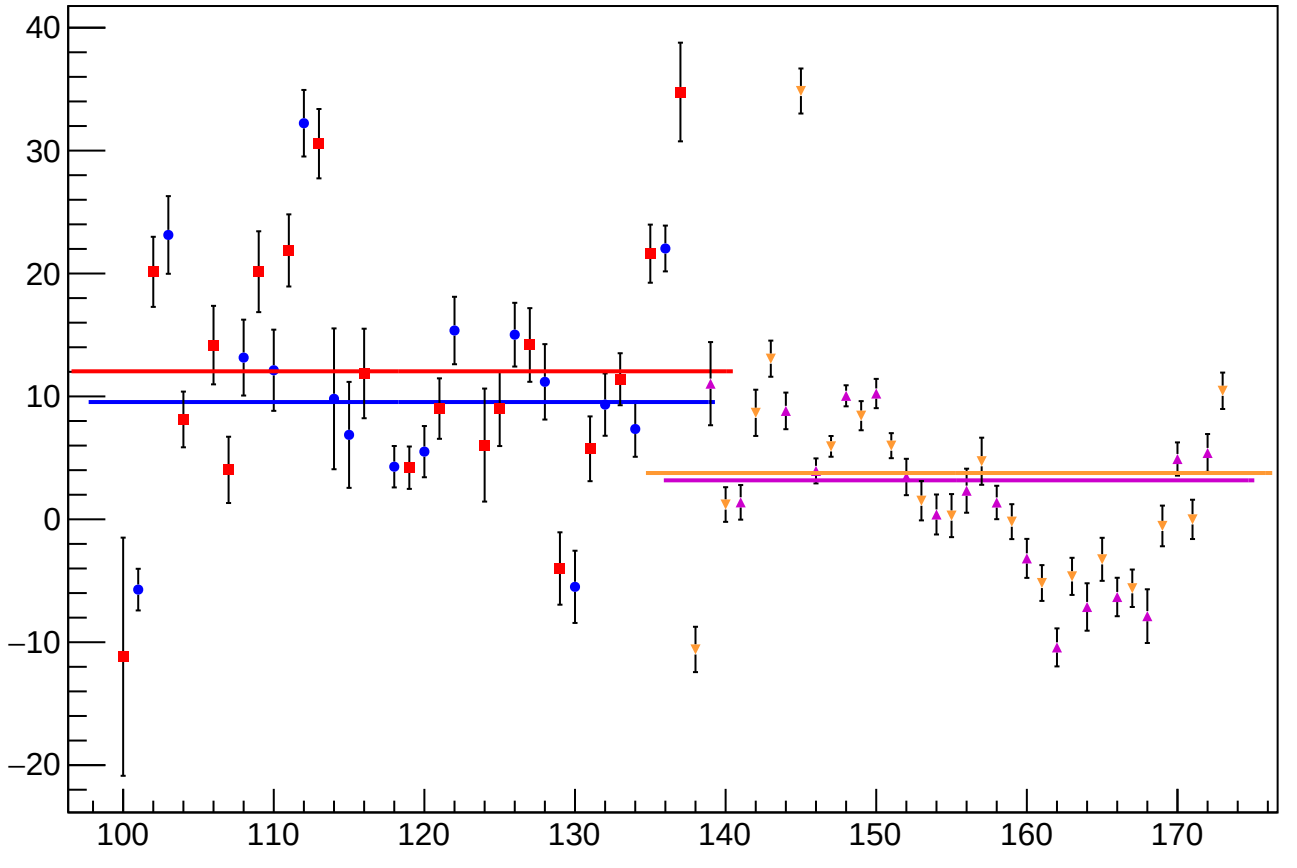
Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

In: -41.298+/-0.016 χ^2/NDF:127422.5/32

Out: -41.668+/-0.016 χ^2/NDF:191441.2/35

All: -41.483+/-0.011 χ^2/NDF: 319139.8/68


reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
Right In: -79.382+/-0.611 χ²/NDF: 1475.9/15
Left Out: -70.240+/-0.480 χ²/NDF:960.2/18
Right Out: -80.294+/-0.604 χ²/NDF: 914.7/18
Left In: -70.669+/-0.498 χ²/NDF:784.2/16
Left: -70.447+/-0.346 χ²/NDF: 1744.8/35
Right: -79.844+/-0.430 χ²/NDF: 2391.7/34
In: -74.149+/-0.386 χ²/NDF:2382.2/32
Out: -74.133+/-0.376 χ²/NDF:2044.7/37
All: -74.140+/-0.269 χ²/NDF: 4426.9/70



Right In: 9.543+/-0.621 χ^2/NDF: 267.1/15

Left Out: 3.768+/-0.328 χ^2/NDF:594.8/18

Right Out: 12.044+/-0.637 χ^2/NDF: 195.8/18

Left In: 3.172+/-0.344 χ^2/NDF:314.5/16

Left: 3.484+/-0.238 χ^2/NDF: 910.9/35

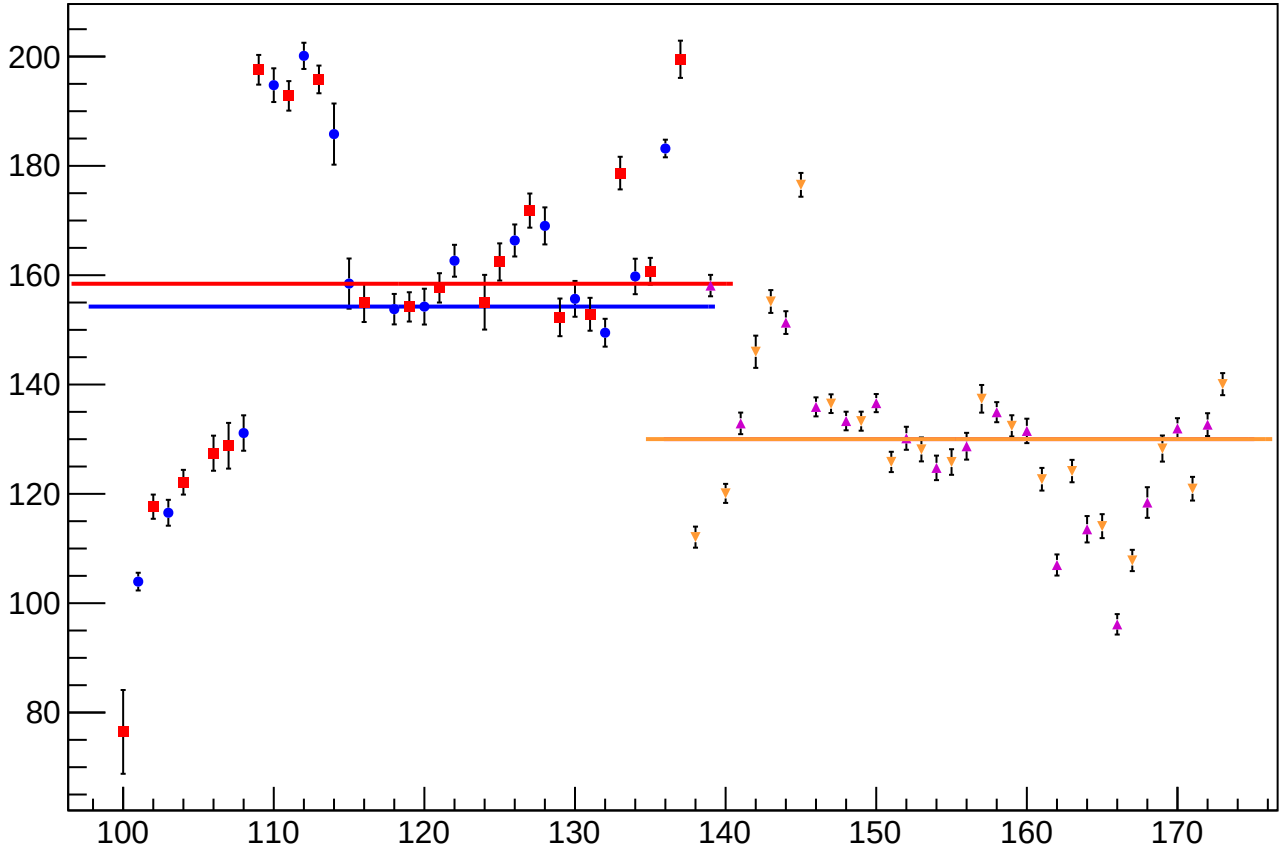
Right: 10.762+/-0.445 χ^2/NDF: 470.8/34

In: 4.668+/-0.301 χ^2/NDF:662.0/32

Out: 5.505+/-0.292 χ^2/NDF:924.1/37

All: 5.100+/-0.210 χ^2/NDF: 1590.0/70

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 130.016+/-0.471 χ^2/NDF:1033.6/18

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 130.019+/-0.485 χ^2/NDF:894.0/16

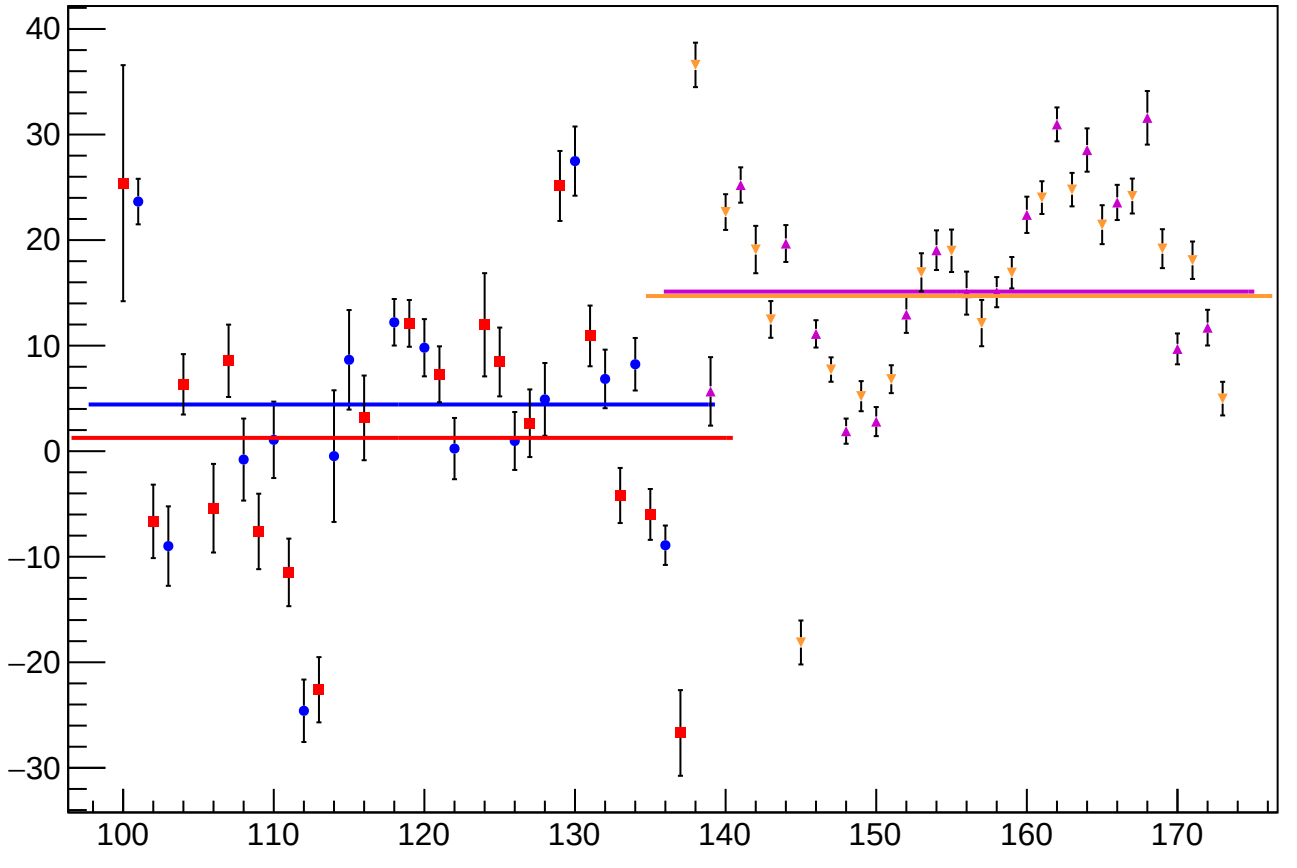
Left: 130.017+/-0.338 χ^2/NDF: 1927.6/35

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 138.497+/-0.391 χ^2/NDF:3980.4/32

Out: 139.184+/-0.388 χ^2/NDF:3872.0/37

All: 138.844+/-0.275 χ^2/NDF: 7853.9/70



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 14.699+/-0.382 χ^2/NDF:679.5/18

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 15.121+/-0.400 χ^2/NDF:513.8/16

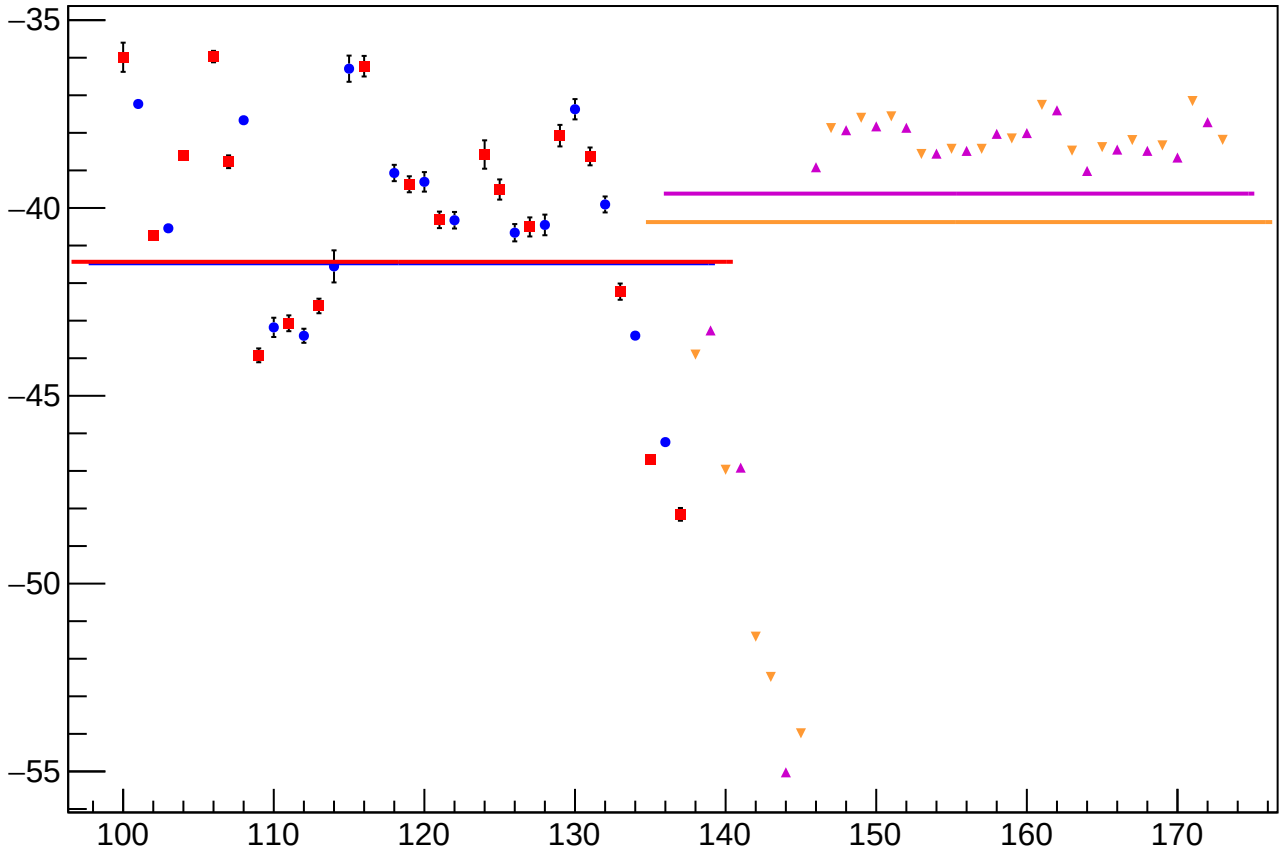
Left: 14.901+/-0.276 χ^2/NDF: 1193.8/35

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 12.565+/-0.349 χ^2/NDF:1000.7/32

Out: 11.815+/-0.339 χ^2/NDF:1209.4/37

All: 12.179+/-0.243 χ^2/NDF: 2212.4/70



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -40.376+/-0.018 χ^2/NDF:76433.8/18

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -39.618+/-0.018 χ^2/NDF:43914.6/16

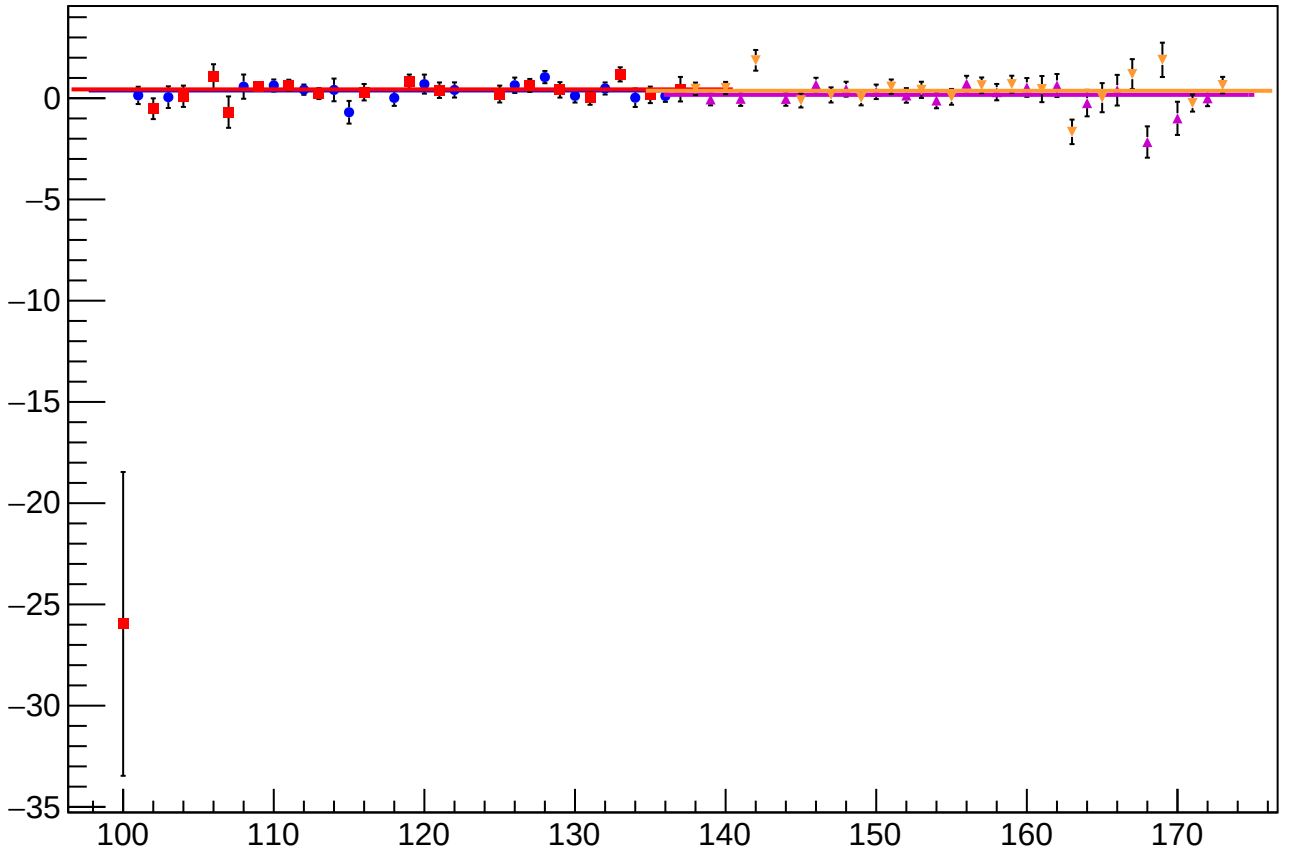
Left: -40.005+/-0.013 χ^2/NDF: 121237.2/35

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -39.961+/-0.016 χ^2/NDF:53754.9/32

Out: -40.553+/-0.016 χ^2/NDF:85254.8/37

All: -40.261+/-0.012 χ^2/NDF: 139669.4/70



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.366+/-0.099 χ^2/NDF:32.5/17

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.165+/-0.100 χ^2/NDF:19.8/16

Left: 0.267+/-0.070 χ^2/NDF: 54.3/34

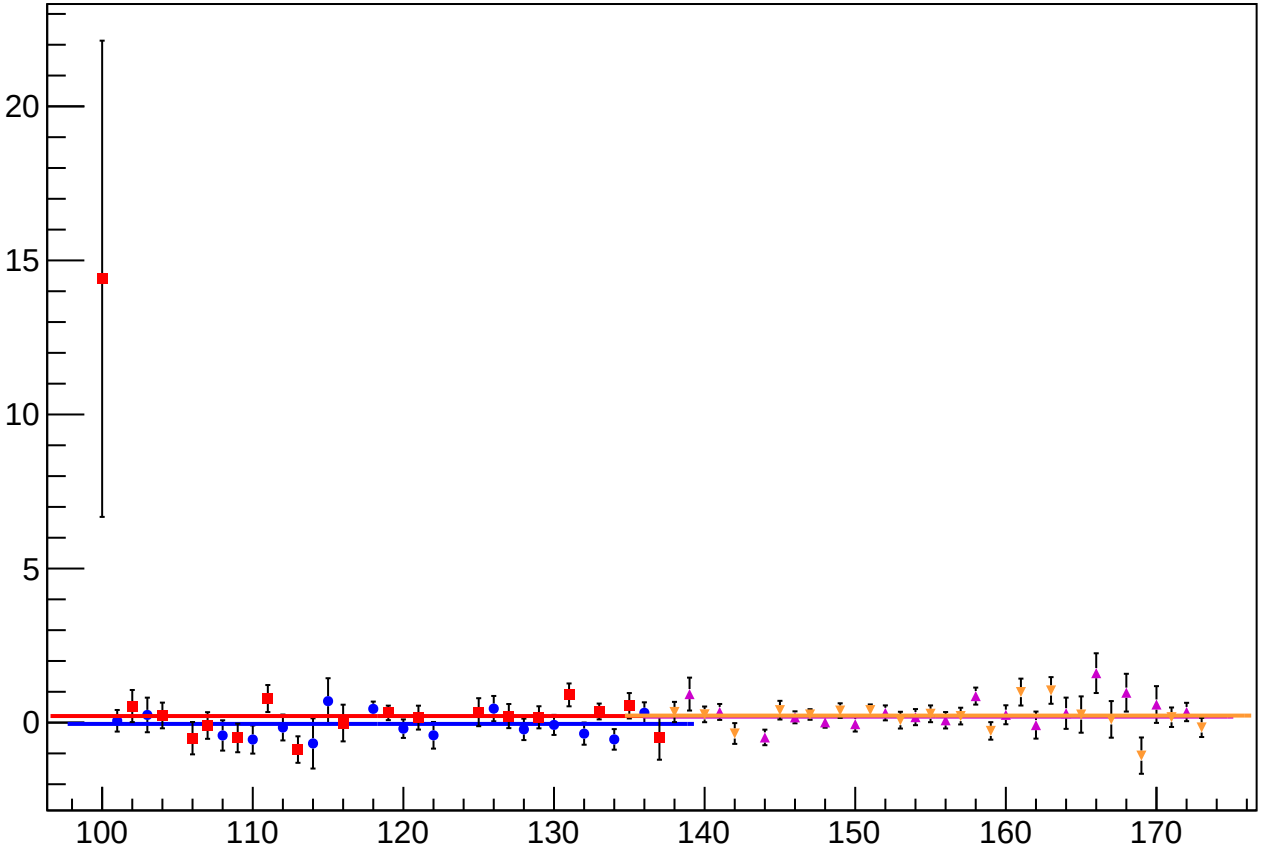
Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.282+/-0.068 χ^2/NDF:36.3/32

Out: 0.404+/-0.067 χ^2/NDF:61.8/35

All: 0.344+/-0.047 χ^2/NDF: 99.7/68

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.228+/-0.068 χ^2/NDF:21.4/17

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.194+/-0.069 χ^2/NDF:25.4/16

Left: 0.211+/-0.048 χ^2/NDF: 46.9/34

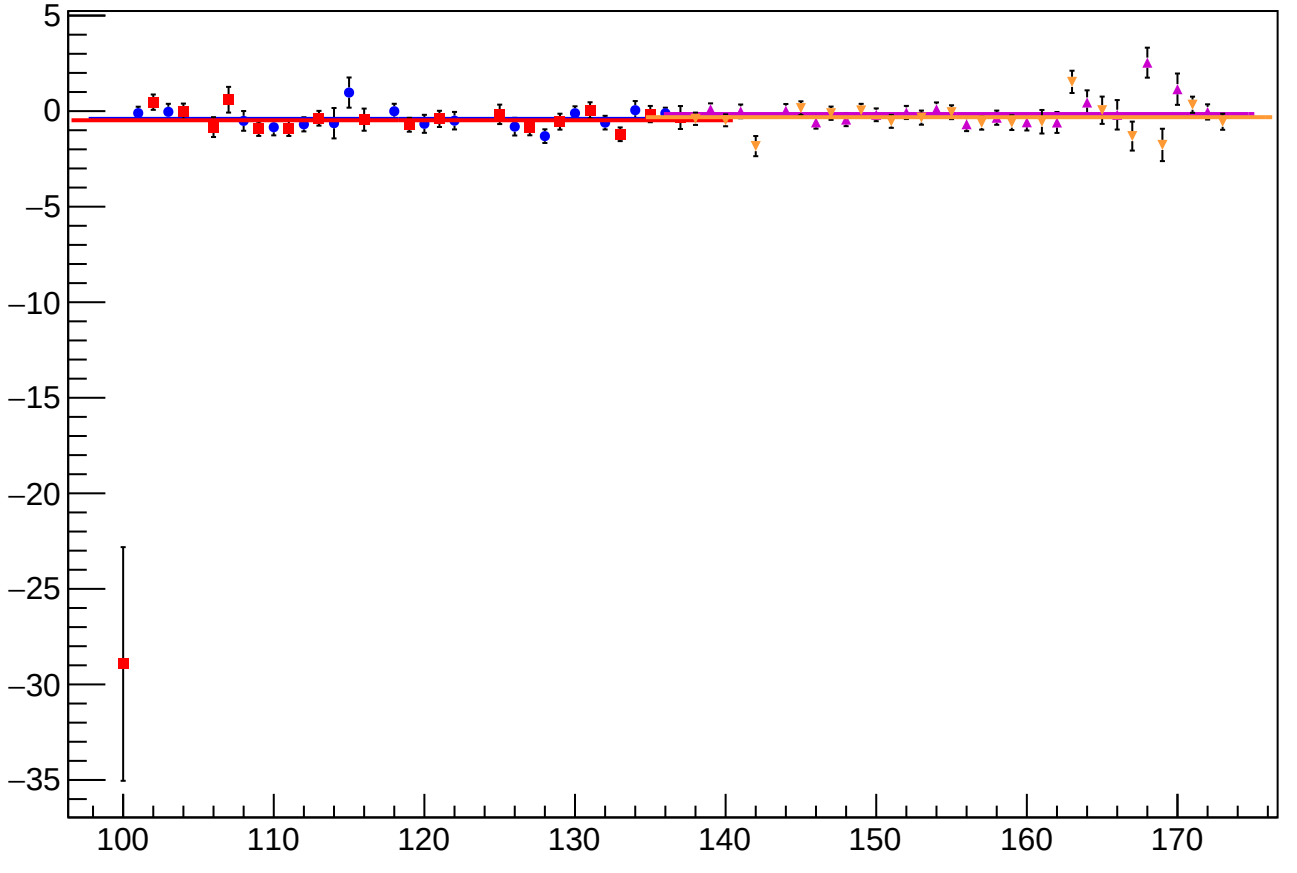
Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.111+/-0.056 χ^2/NDF:44.5/32

Out: 0.223+/-0.055 χ^2/NDF:43.8/35

All: 0.168+/-0.039 χ^2/NDF: 90.3/68

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.317+/-0.096 χ^2/NDF:31.7/17

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.152+/-0.097 χ^2/NDF:23.4/16

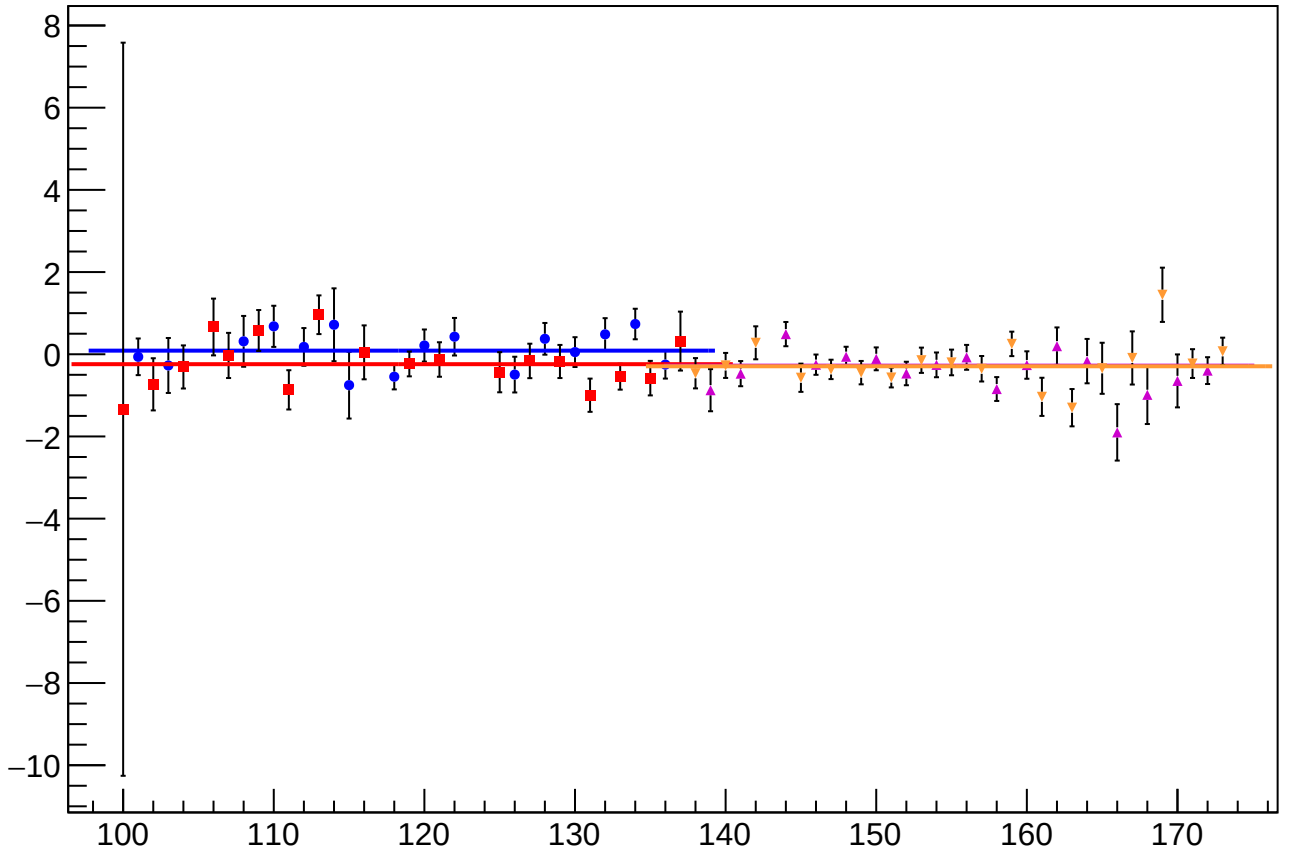
Left: -0.235+/-0.068 χ^2/NDF: 56.6/34

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.271+/-0.071 χ^2/NDF:44.4/32

Out: -0.391+/-0.071 χ^2/NDF:75.3/35

All: -0.331+/-0.050 χ^2/NDF: 121.1/68



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.292+/-0.080 χ^2/NDF:24.1/17

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.277+/-0.081 χ^2/NDF:22.6/16

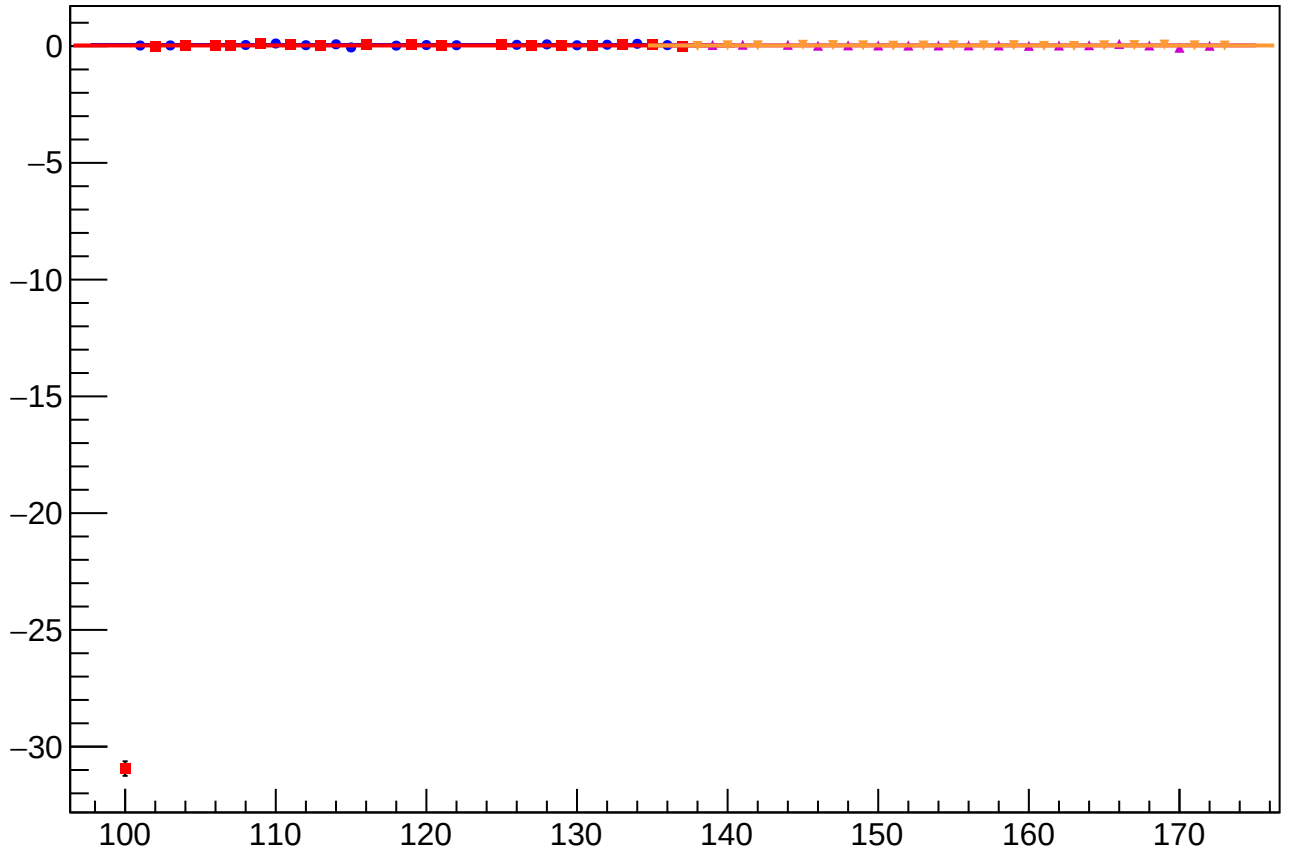
Left: -0.285+/-0.057 χ^2/NDF: 46.7/34

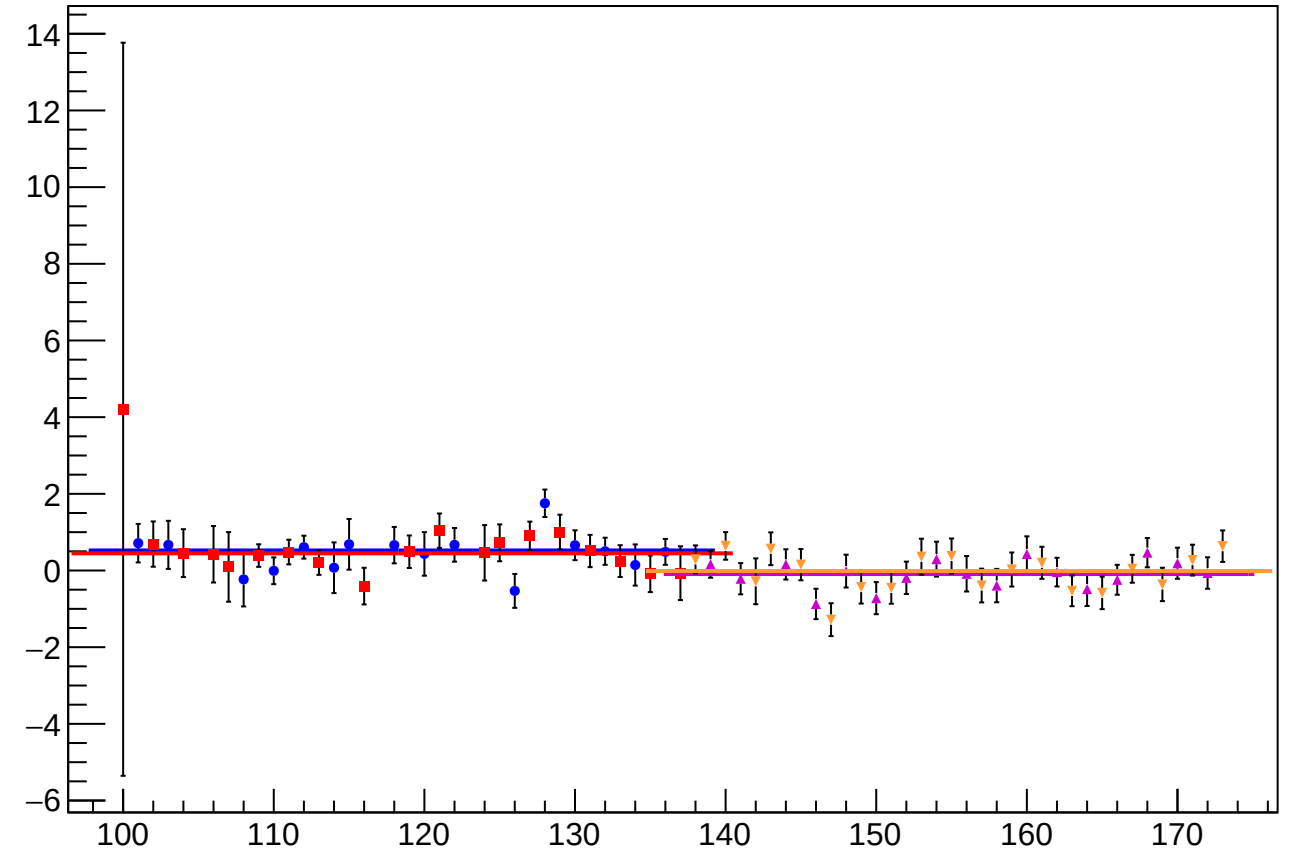
Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.146+/-0.065 χ^2/NDF:45.8/32

Out: -0.275+/-0.065 χ^2/NDF:43.8/35

All: -0.211+/-0.046 χ^2/NDF: 91.6/68


reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
100
110
120
130
140
150
160
170
Right In: 0.049+/-0.006 χ²/NDF: 19.2/15
Left Out: 0.028+/-0.004 χ²/NDF:12.2/17
Right Out: 0.028+/-0.006 χ²/NDF: 10020.9/17
Left In: 0.033+/-0.004 χ²/NDF:30.3/16
Left: 0.030+/-0.003 χ²/NDF: 43.6/34
Right: 0.038+/-0.004 χ²/NDF: 10045.5/33
In: 0.037+/-0.003 χ²/NDF:54.3/32
Out: 0.028+/-0.003 χ²/NDF:10033.2/35
All: 0.032+/-0.002 χ²/NDF: 10091.6/68



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: -0.015+/-0.096 χ^2/NDF:26.6/18

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

Left In: -0.091+/-0.100 χ^2/NDF:13.3/16

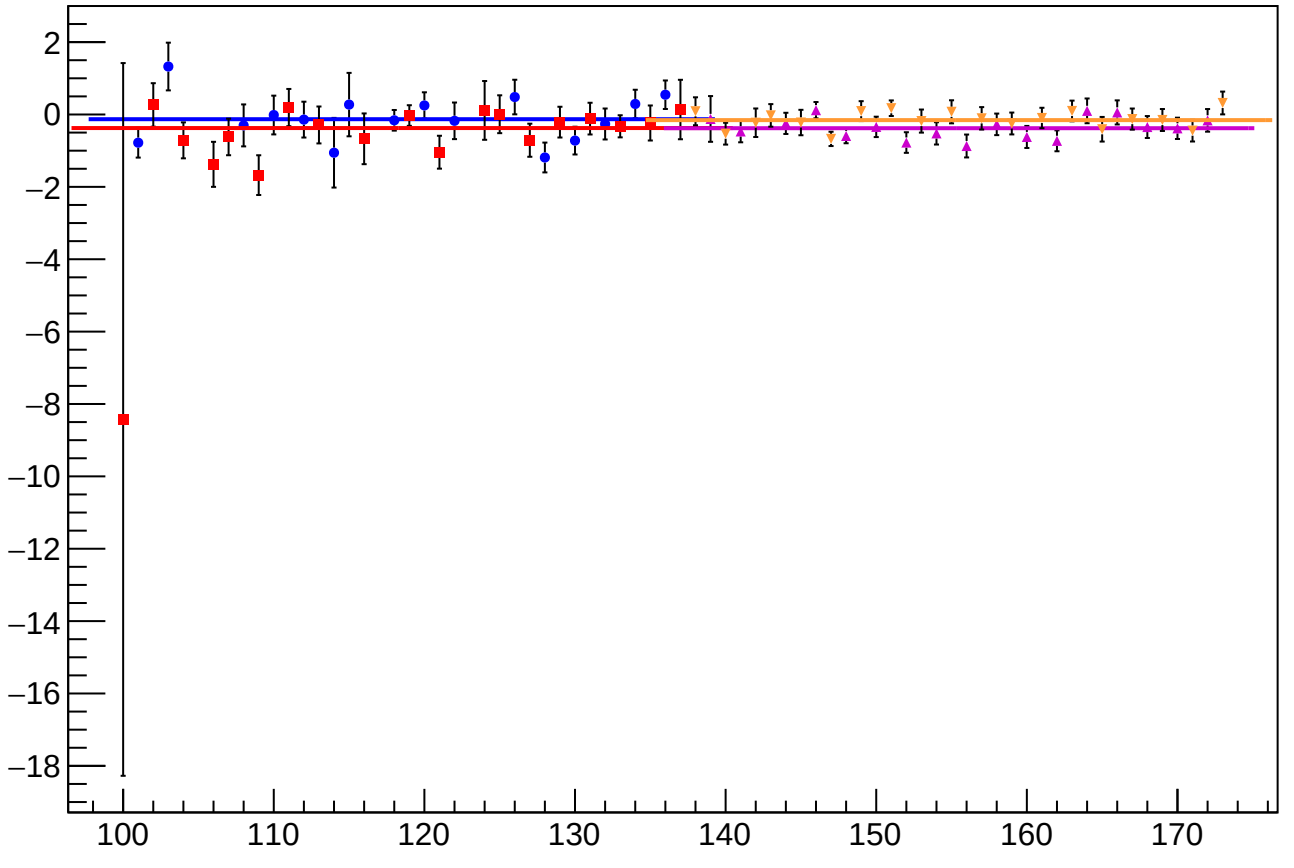
Left: -0.052+/-0.069 χ^2/NDF: 40.2/35

Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

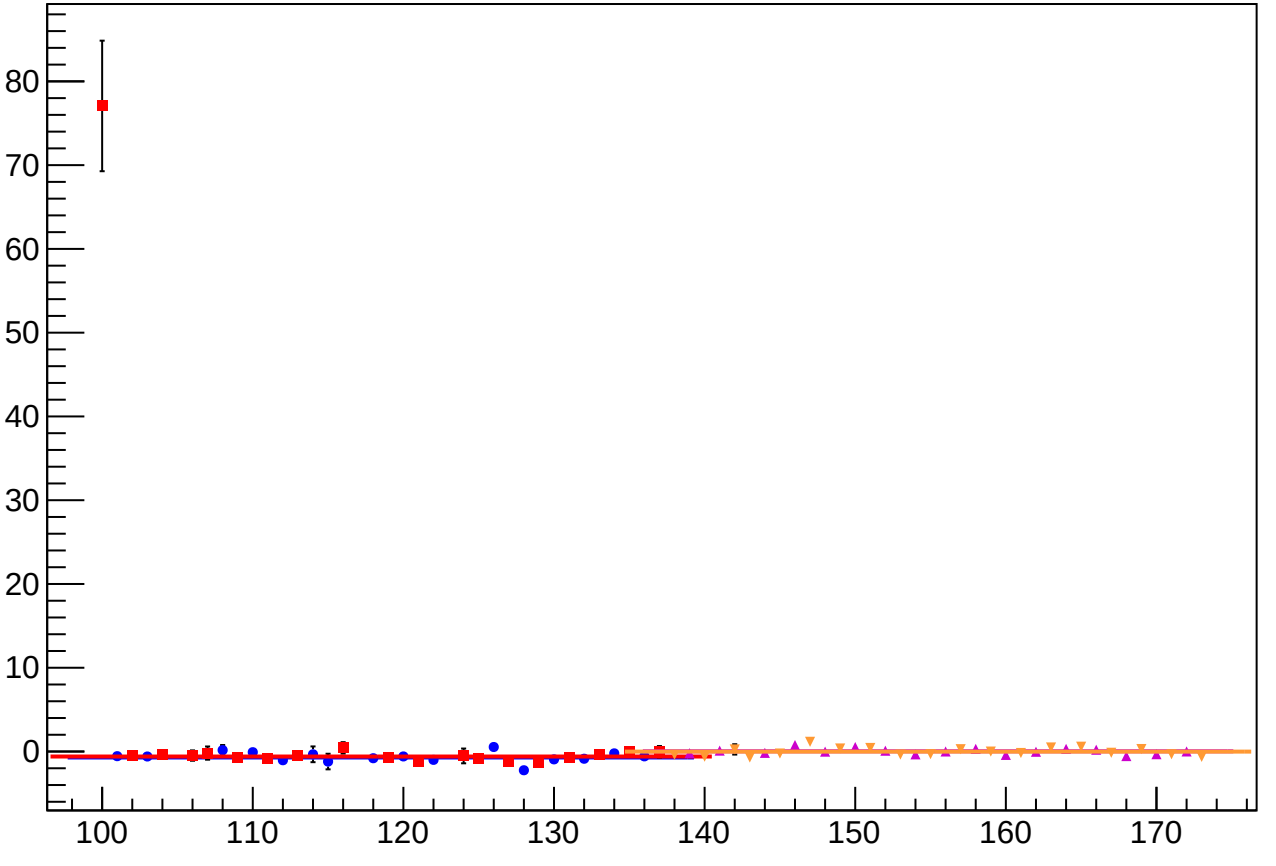
In: 0.189+/-0.073 χ^2/NDF:53.3/32

Out: 0.196+/-0.071 χ^2/NDF:48.5/37

All: 0.193+/-0.051 χ^2/NDF: 101.8/70


reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
100
110
120
130
140
150
160
170
Right In: -0.130+/-0.112 χ²/NDF: 24.6/15
Left Out: -0.156+/-0.067 χ²/NDF:17.5/18
Right Out: -0.375+/-0.111 χ²/NDF: 18.2/18
Left In: -0.379+/-0.071 χ²/NDF:17.5/16
Left: -0.262+/-0.049 χ²/NDF: 40.2/35
Right: -0.253+/-0.079 χ²/NDF: 45.2/34
In: -0.308+/-0.060 χ²/NDF:45.6/32
Out: -0.214+/-0.058 χ²/NDF:38.5/37
All: -0.259+/-0.041 χ²/NDF: 85.4/70

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.011+/-0.094 χ^2/NDF:26.3/18

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: 0.027+/-0.097 χ^2/NDF:12.1/16

Left: 0.007+/-0.068 χ^2/NDF: 38.5/35

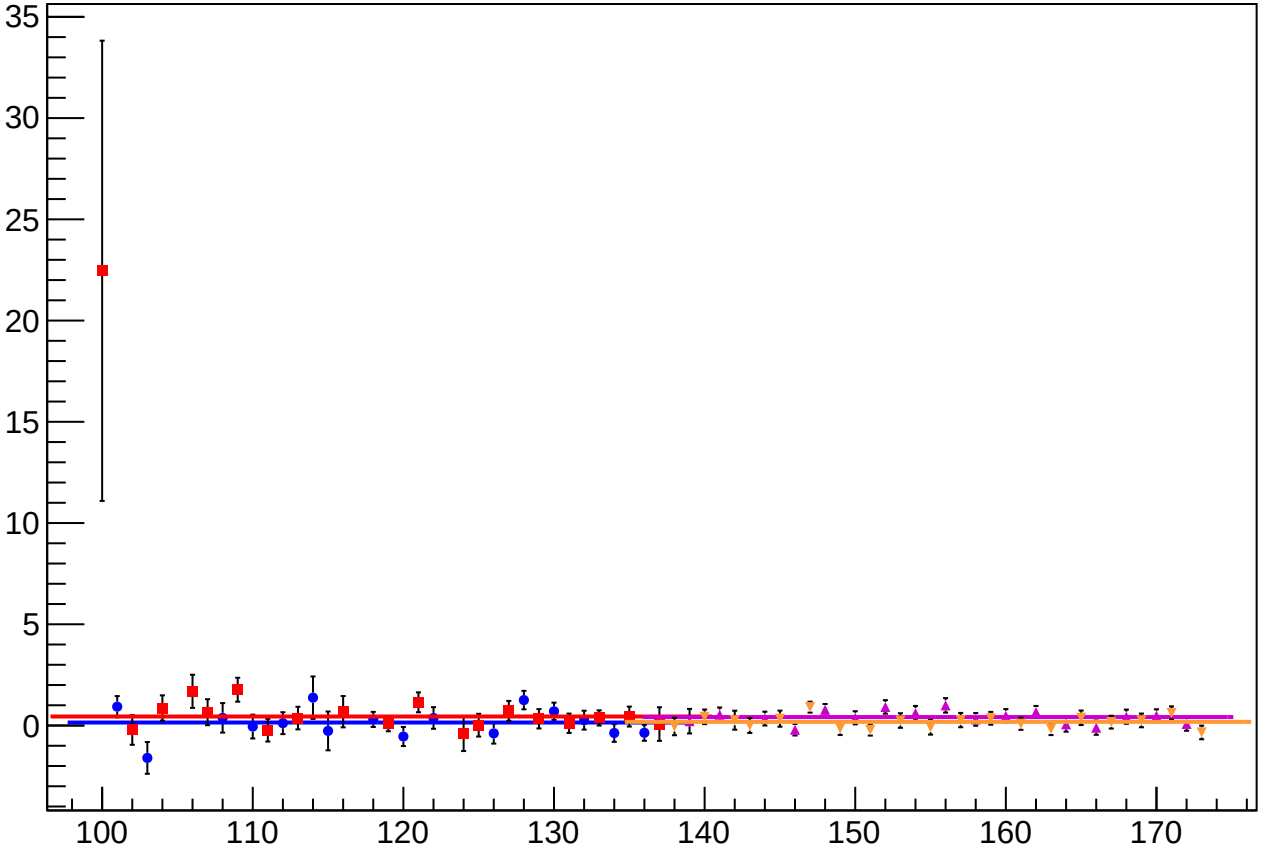
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.262+/-0.076 χ^2/NDF:59.6/32

Out: -0.231+/-0.075 χ^2/NDF:151.8/37

All: -0.246+/-0.053 χ^2/NDF: 211.4/70

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.181+/-0.078 χ^2/NDF:18.2/18

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.418+/-0.081 χ^2/NDF:16.9/16

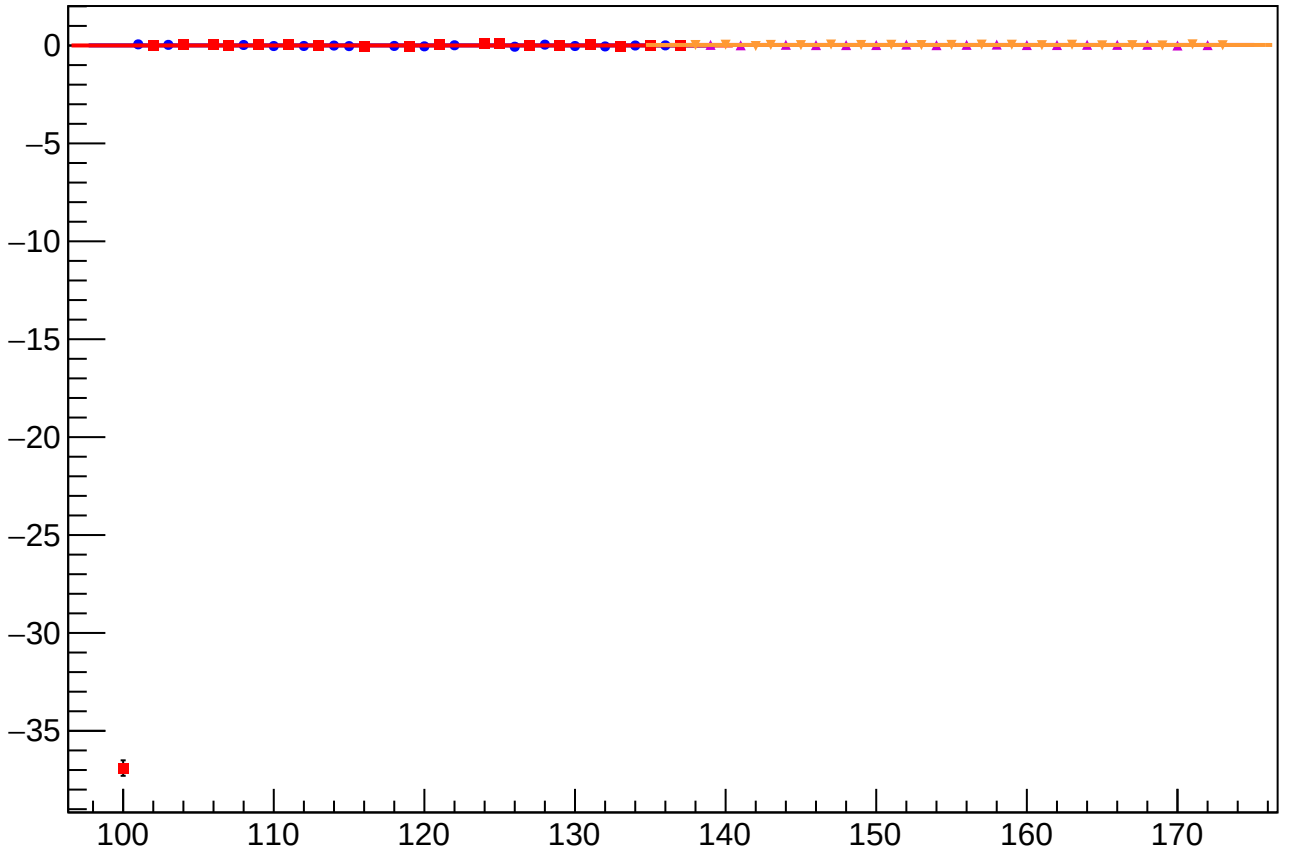
Left: 0.294+/-0.056 χ^2/NDF: 39.6/35

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.340+/-0.069 χ^2/NDF:43.3/32

Out: 0.252+/-0.066 χ^2/NDF:41.0/37

All: 0.294+/-0.048 χ^2/NDF: 85.2/70



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.027+/-0.004 χ^2/NDF:21.7/18

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.029+/-0.004 χ^2/NDF:10.3/16

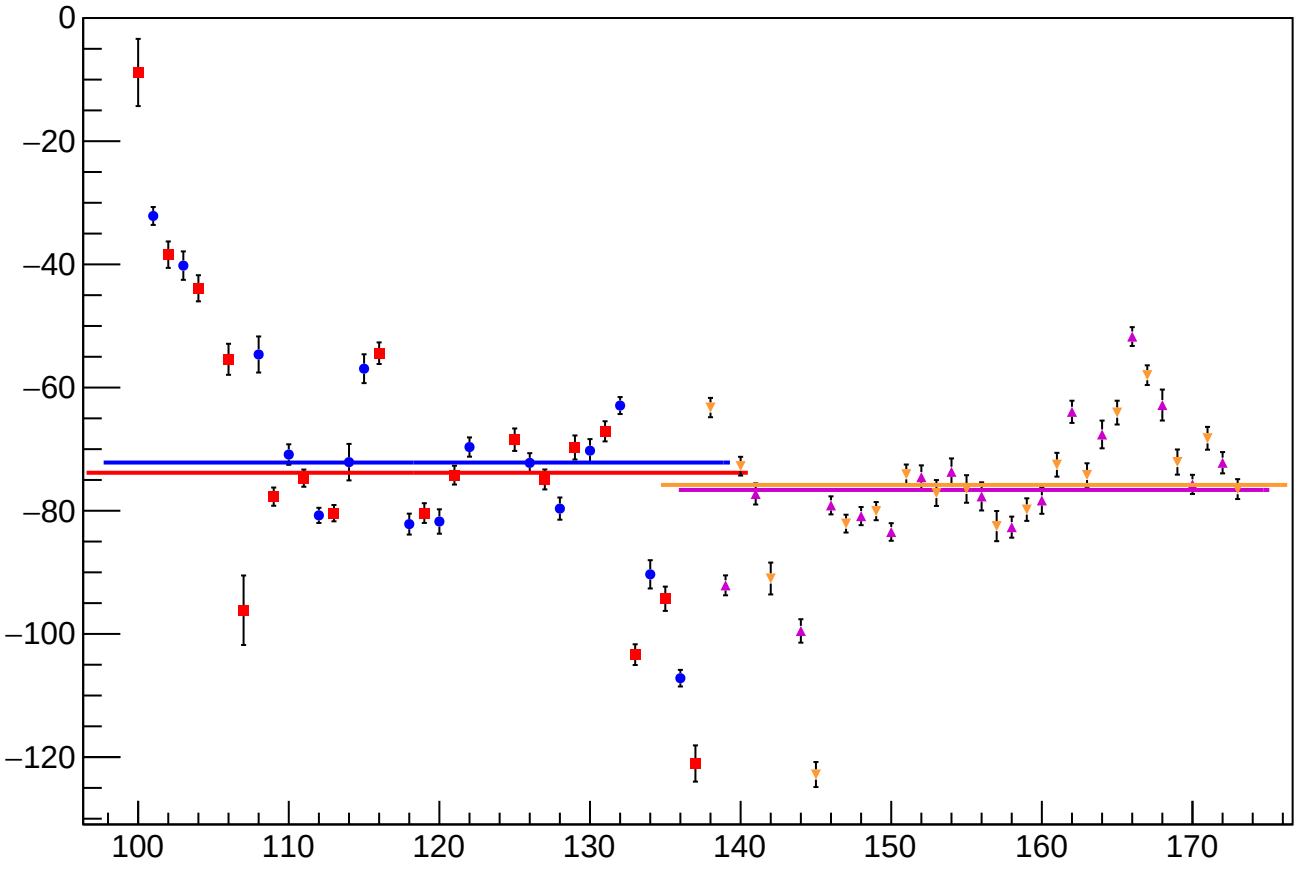
Left: 0.028+/-0.003 χ^2/NDF: 32.1/35

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.024+/-0.003 χ^2/NDF:35.3/32

Out: 0.023+/-0.003 χ^2/NDF:8784.5/37

All: 0.024+/-0.002 χ^2/NDF: 8819.9/70



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -75.807+/-0.424 χ^2/NDF:863.3/17

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -76.624+/-0.427 χ^2/NDF:654.3/16

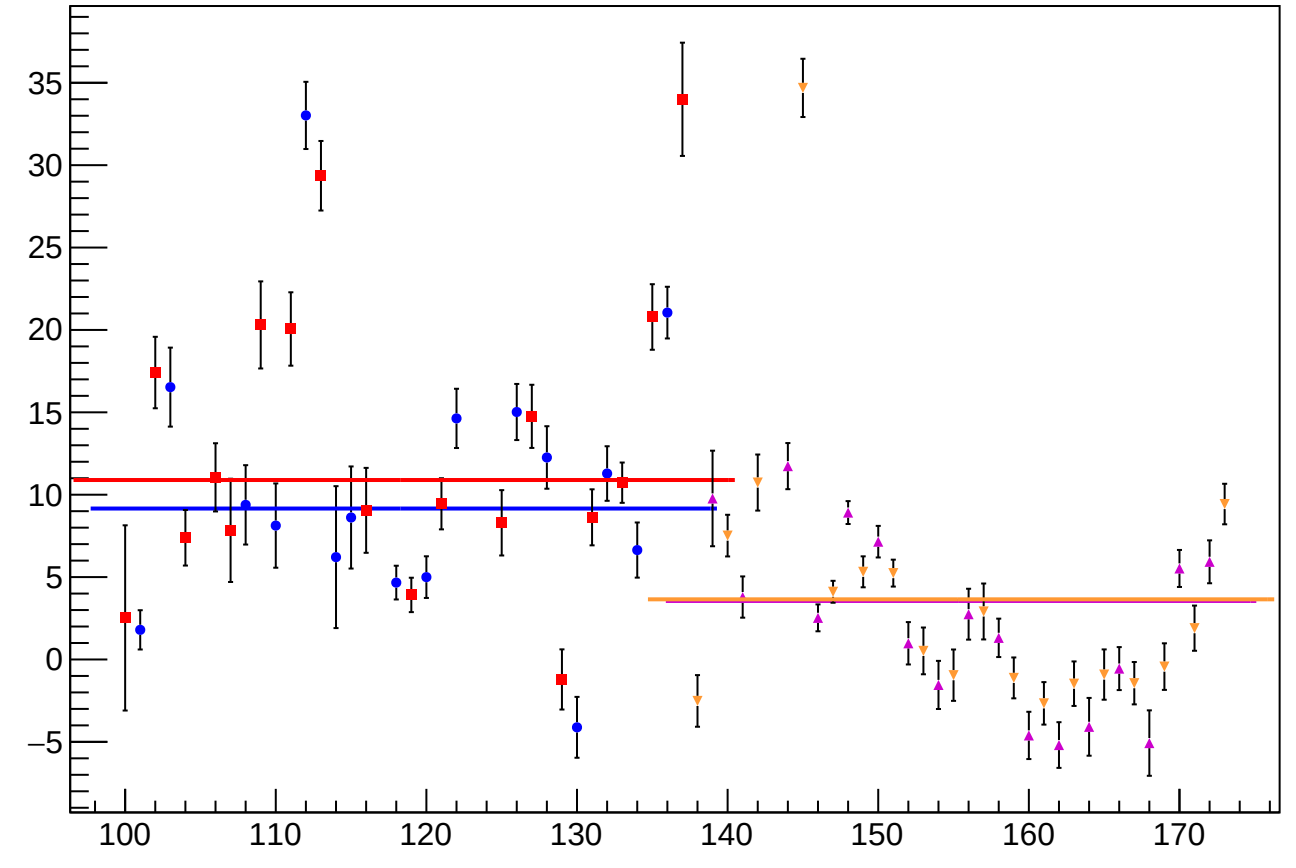
Left: -76.212+/-0.301 χ^2/NDF: 1519.5/34

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

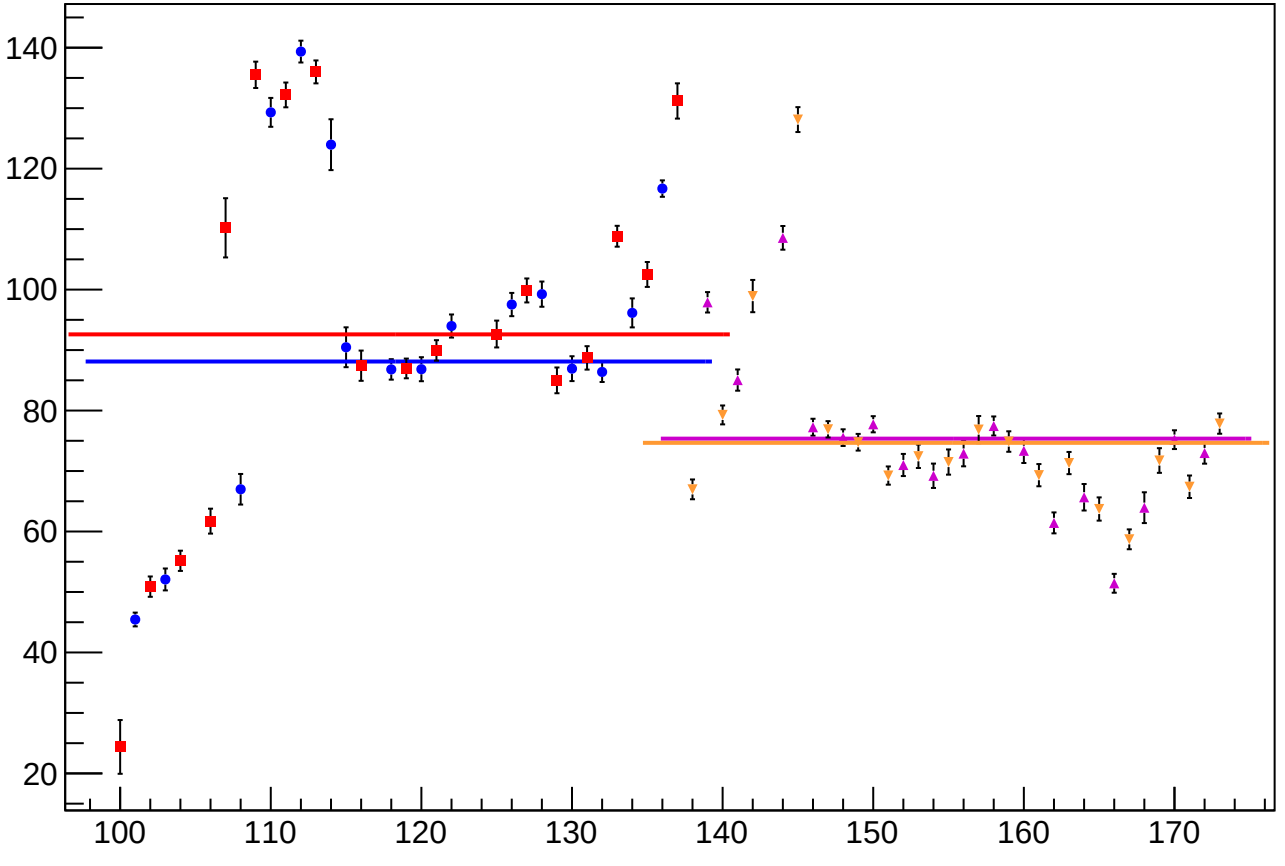
In: -74.424+/-0.304 χ^2/NDF:2644.0/32

Out: -74.835+/-0.302 χ^2/NDF:2431.7/35

All: -74.631+/-0.214 χ^2/NDF: 5076.6/68


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
170
Right In: 9.161+/-0.425 χ²/NDF: 352.1/15
Left Out: 3.650+/-0.284 χ²/NDF:481.6/17
Right Out: 10.892+/-0.440 χ²/NDF: 290.2/17
Left In: 3.552+/-0.292 χ²/NDF:260.6/16
Left: 3.602+/-0.204 χ²/NDF: 742.2/34
Right: 9.996+/-0.306 χ²/NDF: 650.3/33
In: 5.351+/-0.241 χ²/NDF:730.9/32
Out: 5.782+/-0.239 χ²/NDF:962.8/35
All: 5.569+/-0.170 χ²/NDF: 1695.3/68

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: 74.663+/-0.414 χ^2/NDF:967.6/17

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 75.354+/-0.416 χ^2/NDF:861.7/16

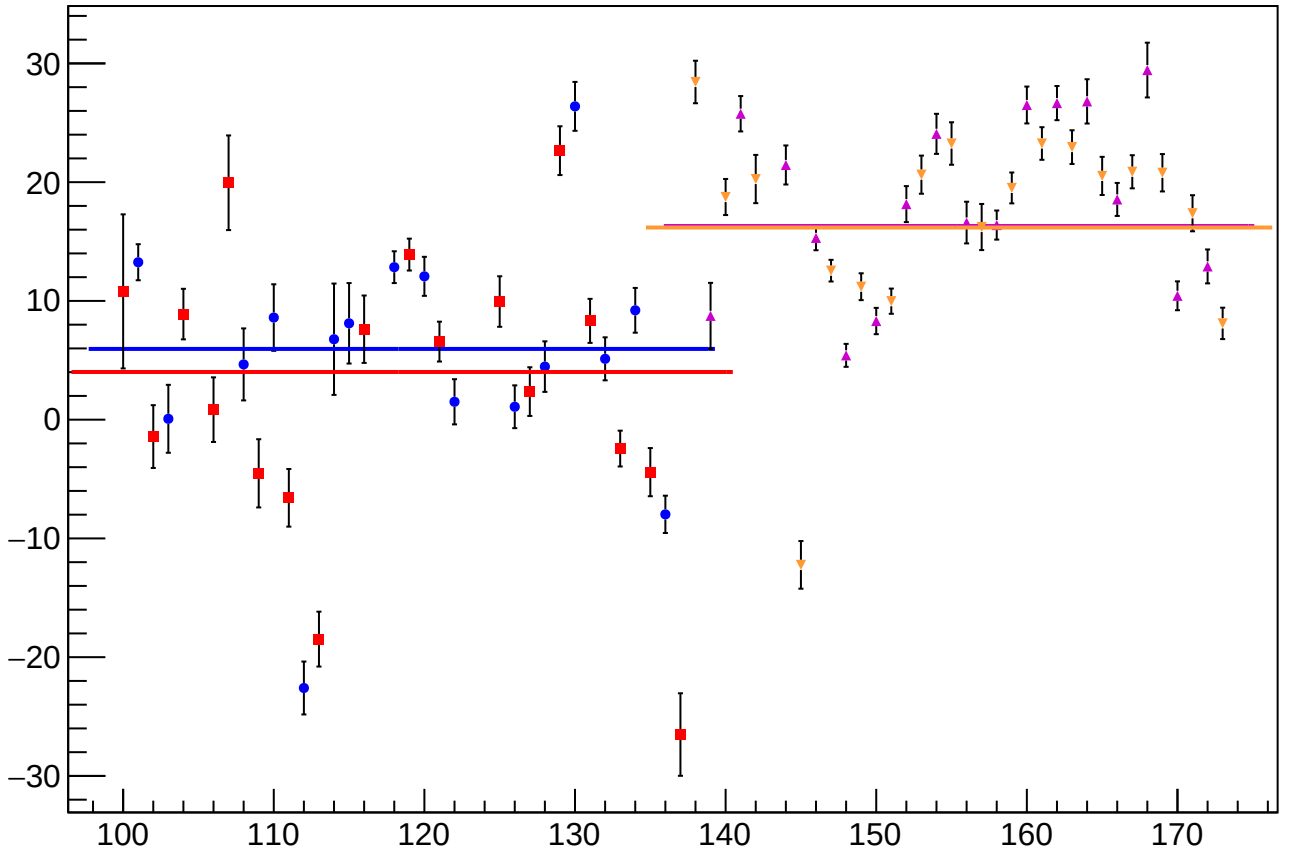
Left: 75.007+/-0.293 χ^2/NDF: 1830.7/34

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 80.969+/-0.311 χ^2/NDF:4838.1/32

Out: 82.254+/-0.314 χ^2/NDF:4973.1/35

All: 81.605+/-0.221 χ^2/NDF: 9819.7/68



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 16.181+/-0.333 χ^2/NDF:468.1/17

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 16.307+/-0.341 χ^2/NDF:450.8/16

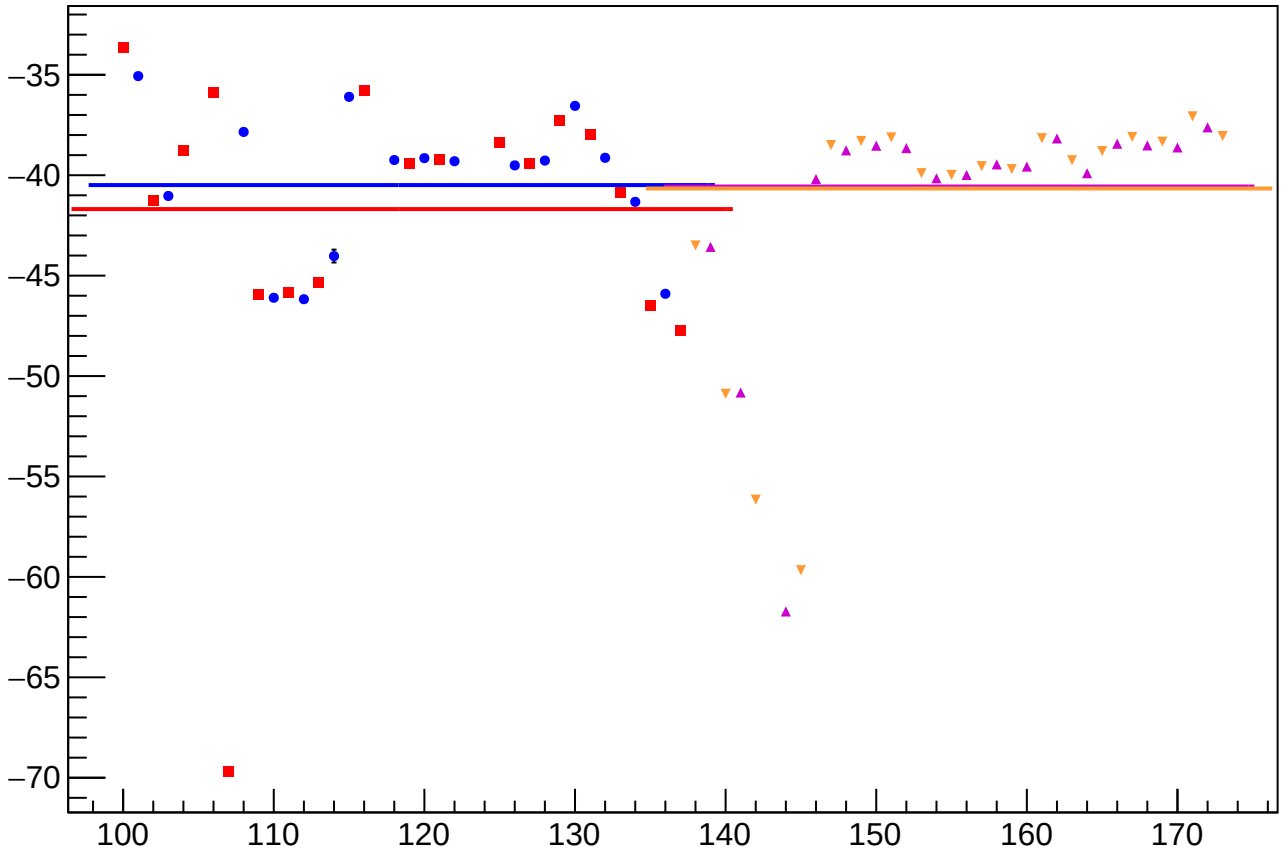
Left: 16.242+/-0.238 χ^2/NDF: 918.9/34

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 12.972+/-0.281 χ^2/NDF:1174.2/32

Out: 12.536+/-0.279 χ^2/NDF:1284.8/35

All: 12.752+/-0.198 χ^2/NDF: 2460.2/68



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -40.661+/-0.016 χ^2/NDF:114295.6/17

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -40.563+/-0.016 χ^2/NDF:91585.6/16

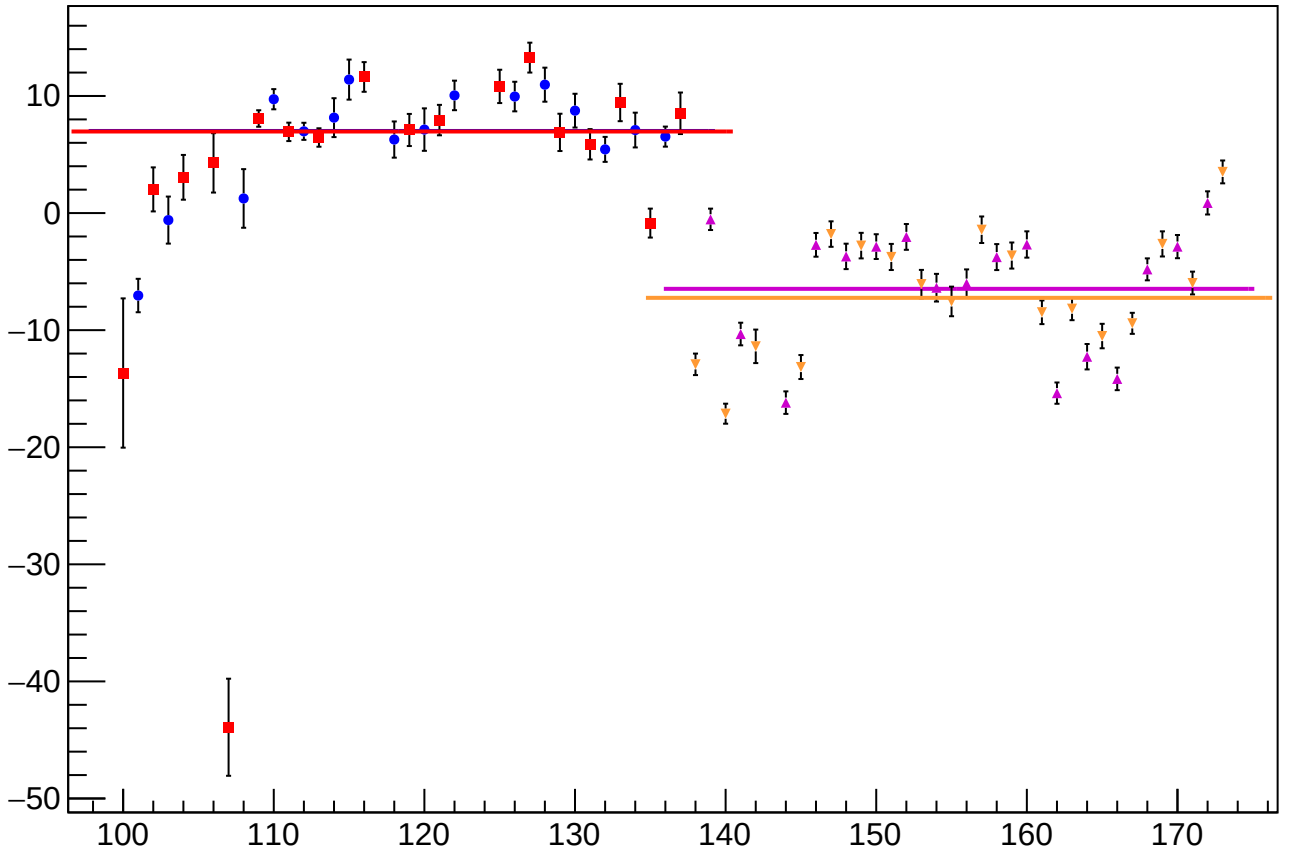
Left: -40.612+/-0.011 χ^2/NDF: 205901.1/34

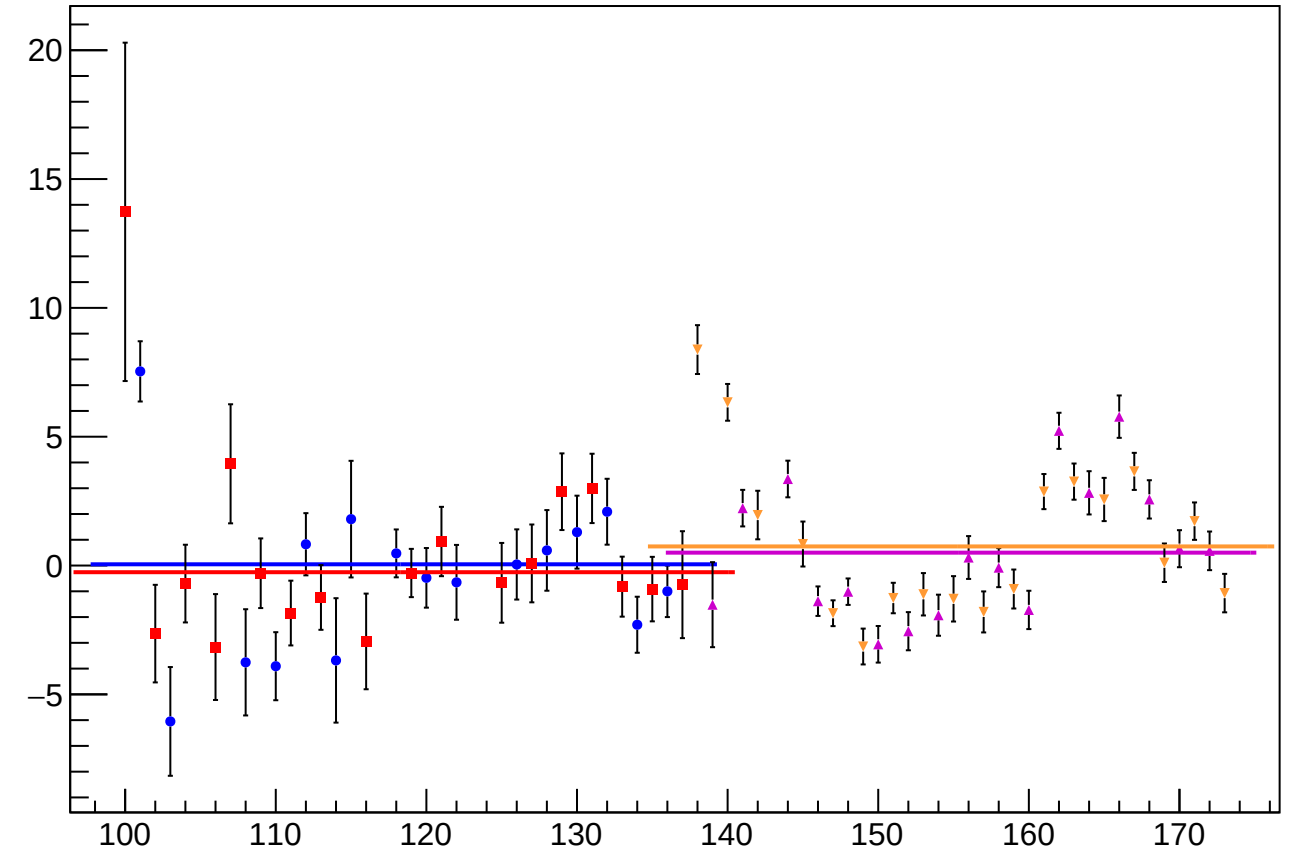
Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -40.546+/-0.014 χ^2/NDF:109715.9/32

Out: -40.888+/-0.014 χ^2/NDF:152088.6/35

All: -40.716+/-0.010 χ^2/NDF: 262115.6/68


reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected
10
0
−10
−20
−30
−40
−50
100
110
120
130
140
150
160
170
Right In: 7.011+/-0.309 χ²/NDF: 156.3/15
Left Out: -7.240+/-0.246 χ²/NDF:462.8/17
Right Out: 6.967+/-0.298 χ²/NDF: 266.0/17
Left In: -6.471+/-0.249 χ²/NDF:485.4/16
Left: -6.859+/-0.175 χ²/NDF: 953.1/34
Right: 6.988+/-0.215 χ²/NDF: 422.3/33
In: -1.181+/-0.194 χ²/NDF:1796.6/32
Out: -1.484+/-0.190 χ²/NDF:2079.2/35
All: -1.336+/-0.136 χ²/NDF: 3877.0/68



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 0.742+/-0.173 χ^2/NDF:275.0/17

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: 0.500+/-0.177 χ^2/NDF:206.1/16

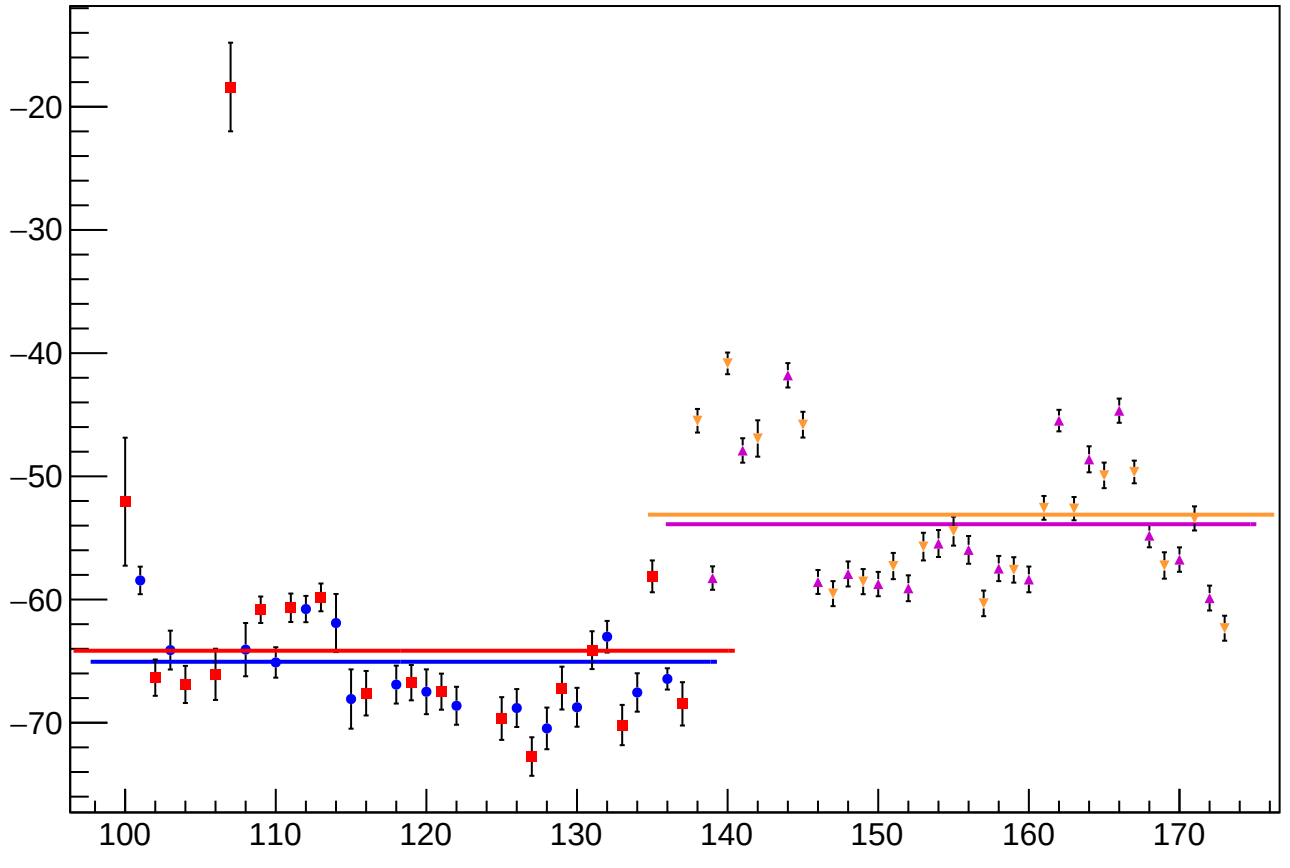
Left: 0.624+/-0.124 χ^2/NDF: 482.1/34

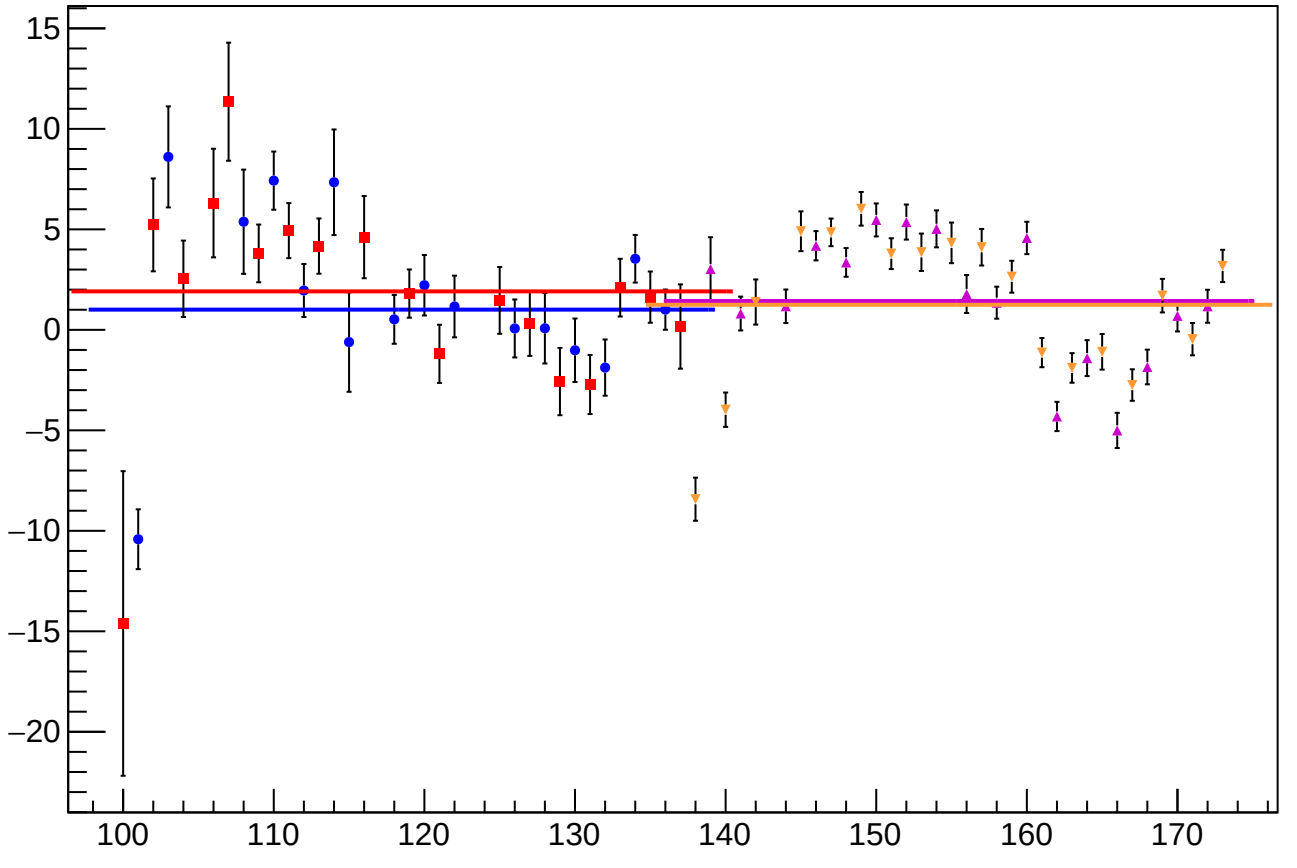
Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

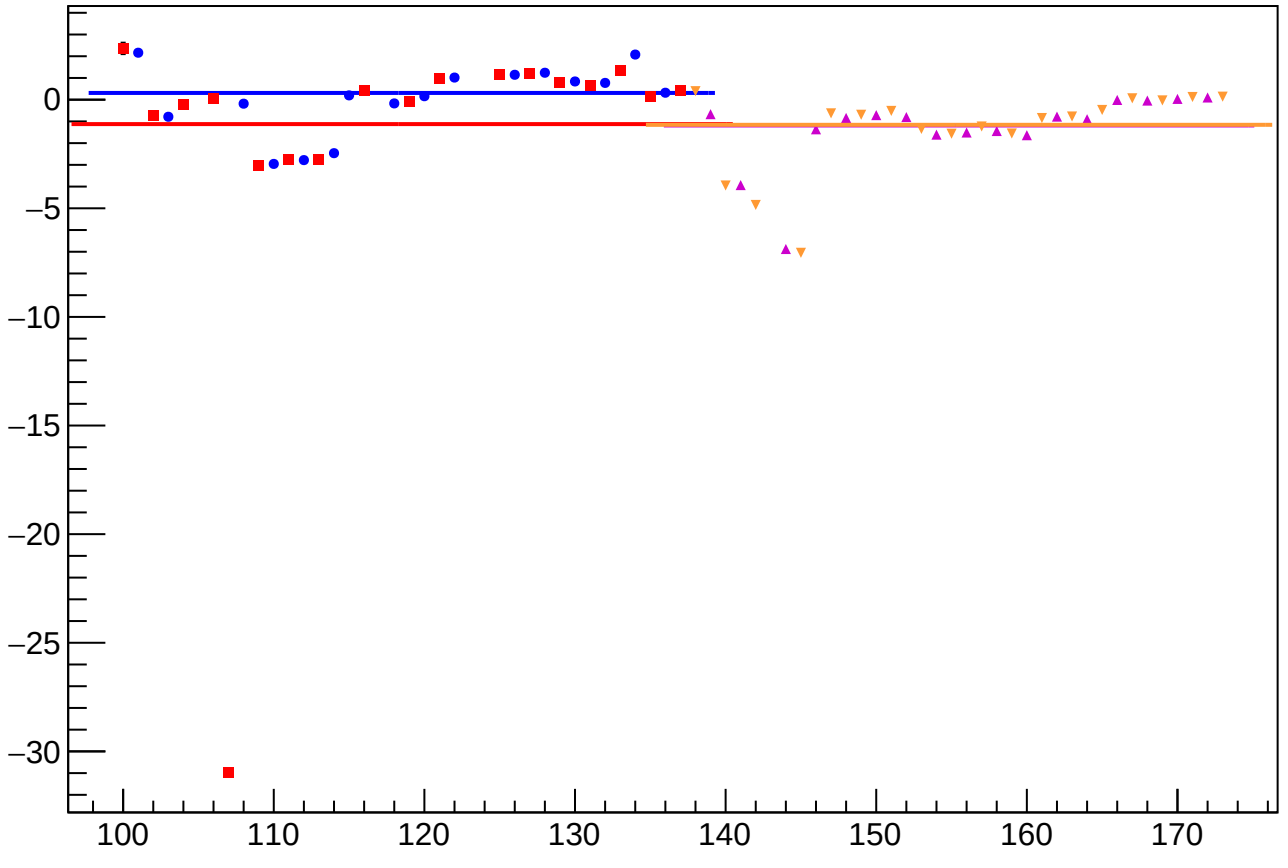
In: 0.400+/-0.156 χ^2/NDF:282.6/32

Out: 0.541+/-0.154 χ^2/NDF:309.3/35

All: 0.471+/-0.110 χ^2/NDF: 592.3/68


reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
170
Right In: -65.051+/-0.354 χ²/NDF: 92.8/15
Left Out: -53.110+/-0.242 χ²/NDF:603.7/17
Right Out: -64.156+/-0.360 χ²/NDF: 303.7/17
Left In: -53.886+/-0.243 χ²/NDF:580.5/16
Left: -53.496+/-0.171 χ²/NDF: 1189.4/34
Right: -64.611+/-0.253 χ²/NDF: 399.6/33
In: -57.461+/-0.200 χ²/NDF:1349.6/32
Out: -56.534+/-0.201 χ²/NDF:1555.3/35
All: -56.998+/-0.142 χ²/NDF: 2915.6/68


reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
15
10
5
0
−5
−10
−15
−20
100
110
120
130
140
150
160
170
Right In: 1.006+/-0.376 χ²/NDF: 109.2/15
Left Out: 1.247+/-0.198 χ²/NDF:306.2/17
Right Out: 1.914+/-0.390 χ²/NDF: 54.5/17
Left In: 1.434+/-0.203 χ²/NDF:240.2/16
Left: 1.339+/-0.142 χ²/NDF: 546.8/34
Right: 1.443+/-0.270 χ²/NDF: 166.5/33
In: 1.338+/-0.179 χ²/NDF:350.5/32
Out: 1.385+/-0.177 χ²/NDF:363.0/35
All: 1.361+/-0.126 χ²/NDF: 713.5/68



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -1.157+/-0.009 χ^2/NDF:37254.0/17

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -1.188+/-0.009 χ^2/NDF:27060.0/16

Left: -1.172+/-0.006 χ^2/NDF: 64319.9/34

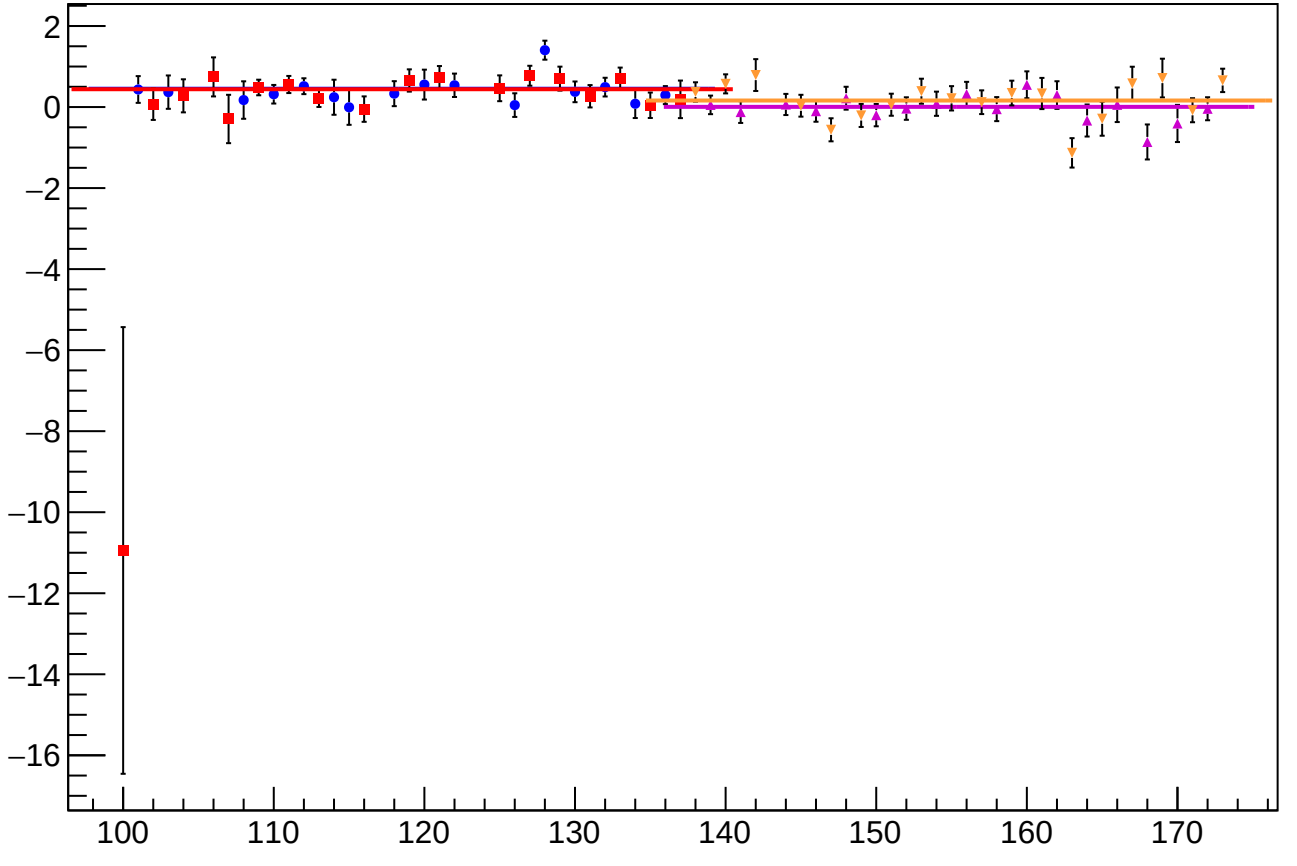
Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -0.957+/-0.008 χ^2/NDF:36185.7/32

Out: -1.152+/-0.008 χ^2/NDF:83603.8/35

All: -1.054+/-0.006 χ^2/NDF: 120067.9/68

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.161+/-0.072 χ^2/NDF:35.9/17

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: 0.005+/-0.073 χ^2/NDF:11.8/16

Left: 0.084+/-0.051 χ^2/NDF: 50.0/34

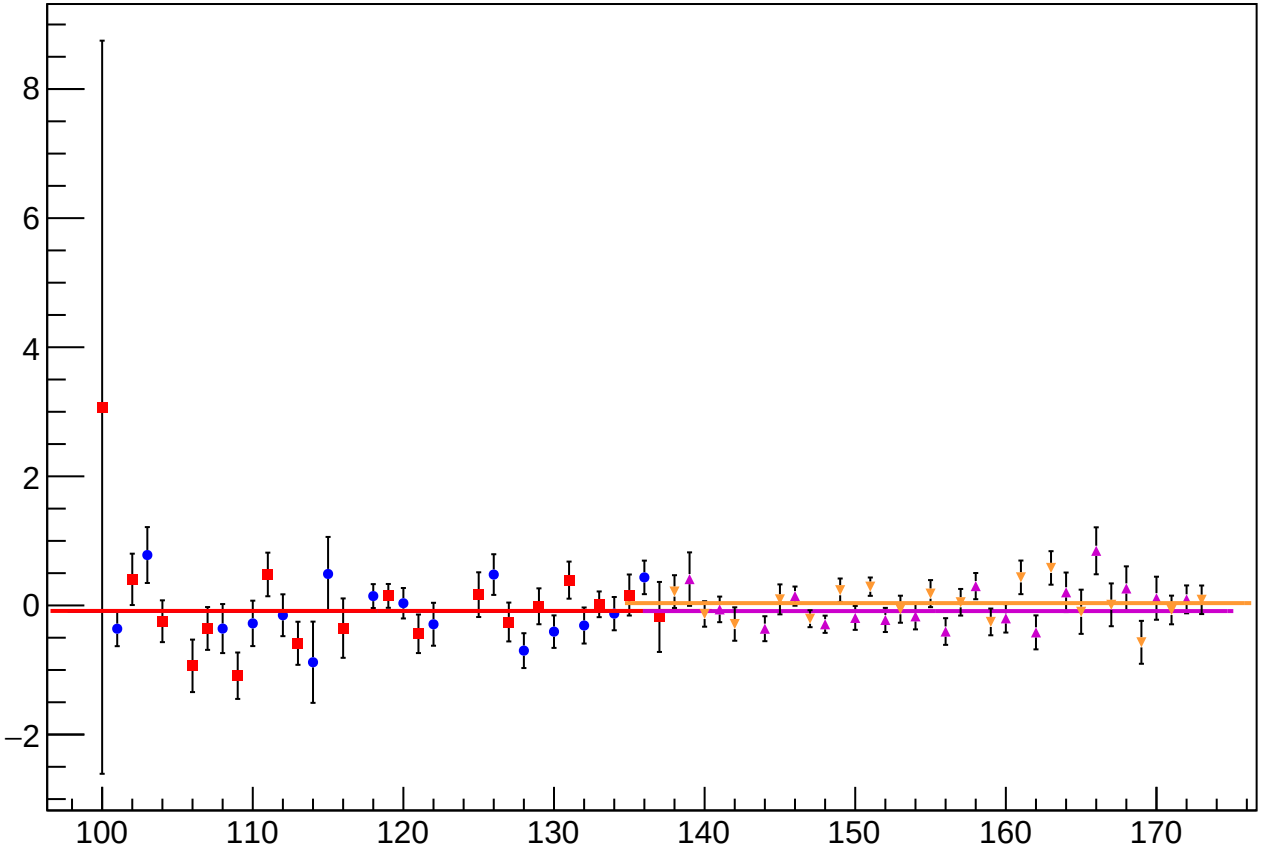
Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.235+/-0.051 χ^2/NDF:53.7/32

Out: 0.306+/-0.050 χ^2/NDF:62.2/35

All: 0.271+/-0.036 χ^2/NDF: 116.8/68

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.036+/-0.050 χ^2/NDF:23.9/17

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: -0.087+/-0.051 χ^2/NDF:26.7/16

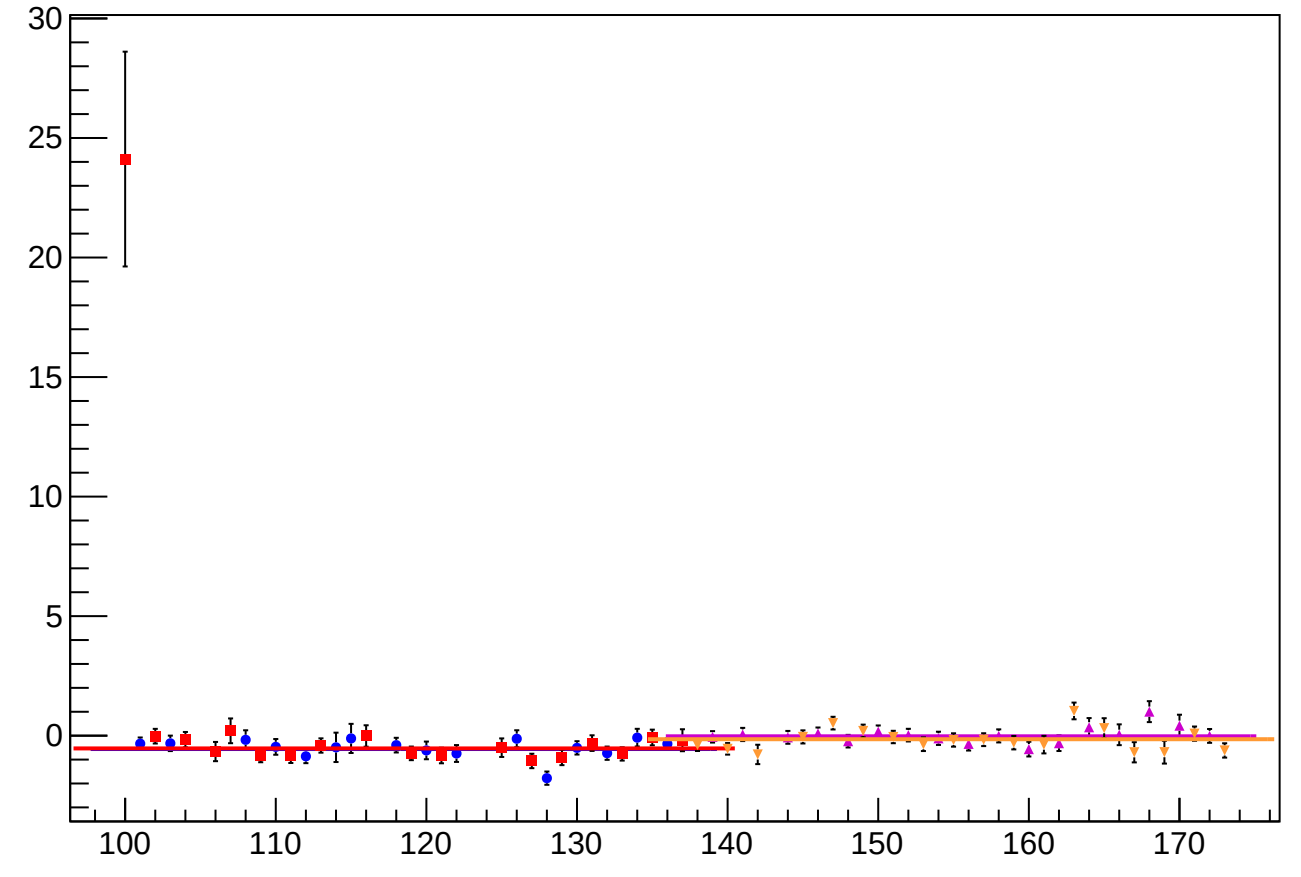
Left: -0.024+/-0.036 χ^2/NDF: 53.5/34

Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.087+/-0.042 χ^2/NDF:52.0/32

Out: -0.002+/-0.041 χ^2/NDF:53.6/35

All: -0.044+/-0.029 χ^2/NDF: 107.8/68



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.148+/-0.071 χ^2/NDF:34.4/17

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: -0.027+/-0.071 χ^2/NDF:14.2/16

Left: -0.088+/-0.050 χ^2/NDF: 50.1/34

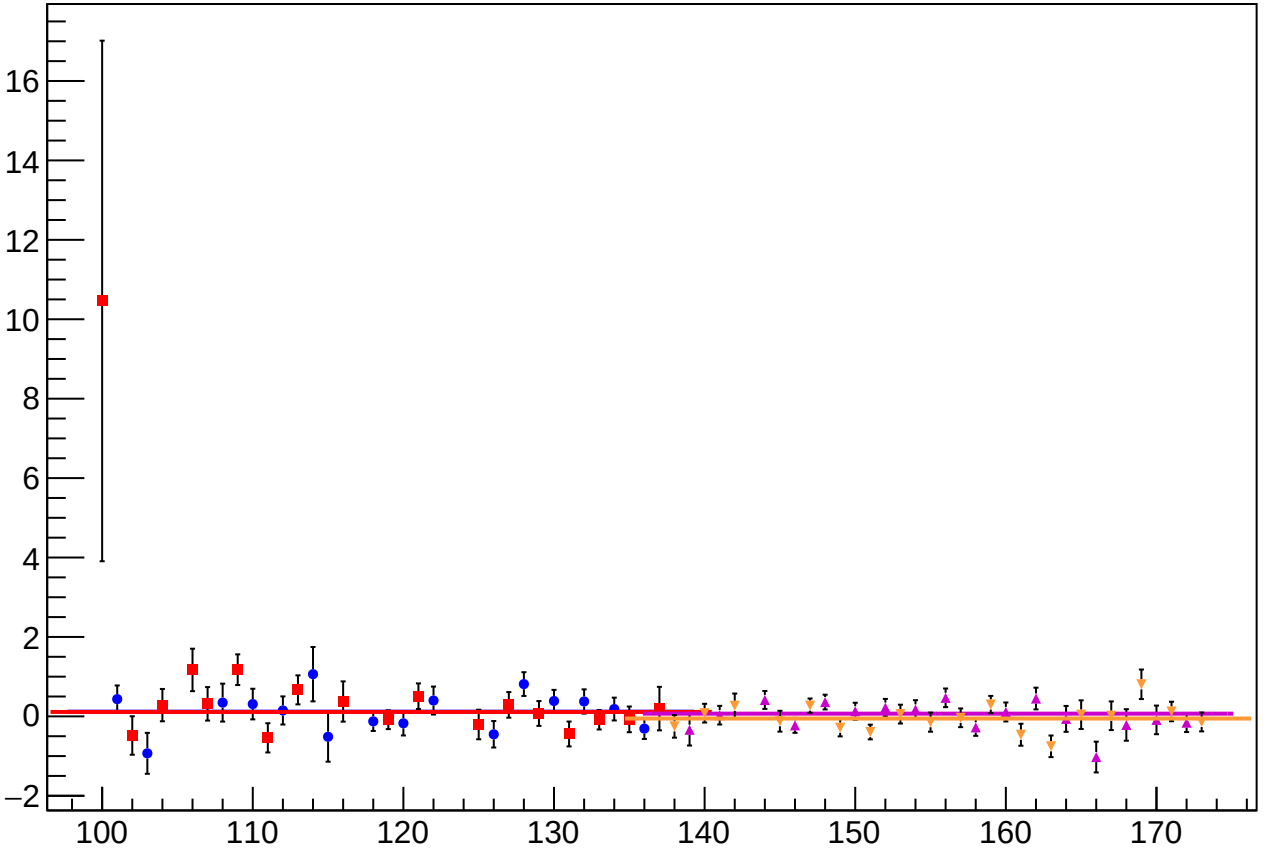
Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.263+/-0.053 χ^2/NDF:67.3/32

Out: -0.316+/-0.053 χ^2/NDF:96.6/35

All: -0.289+/-0.038 χ^2/NDF: 164.3/68

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: -0.054+/-0.058 χ^2/NDF:27.7/17

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.068+/-0.060 χ^2/NDF:26.3/16

Left: 0.006+/-0.042 χ^2/NDF: 56.1/34

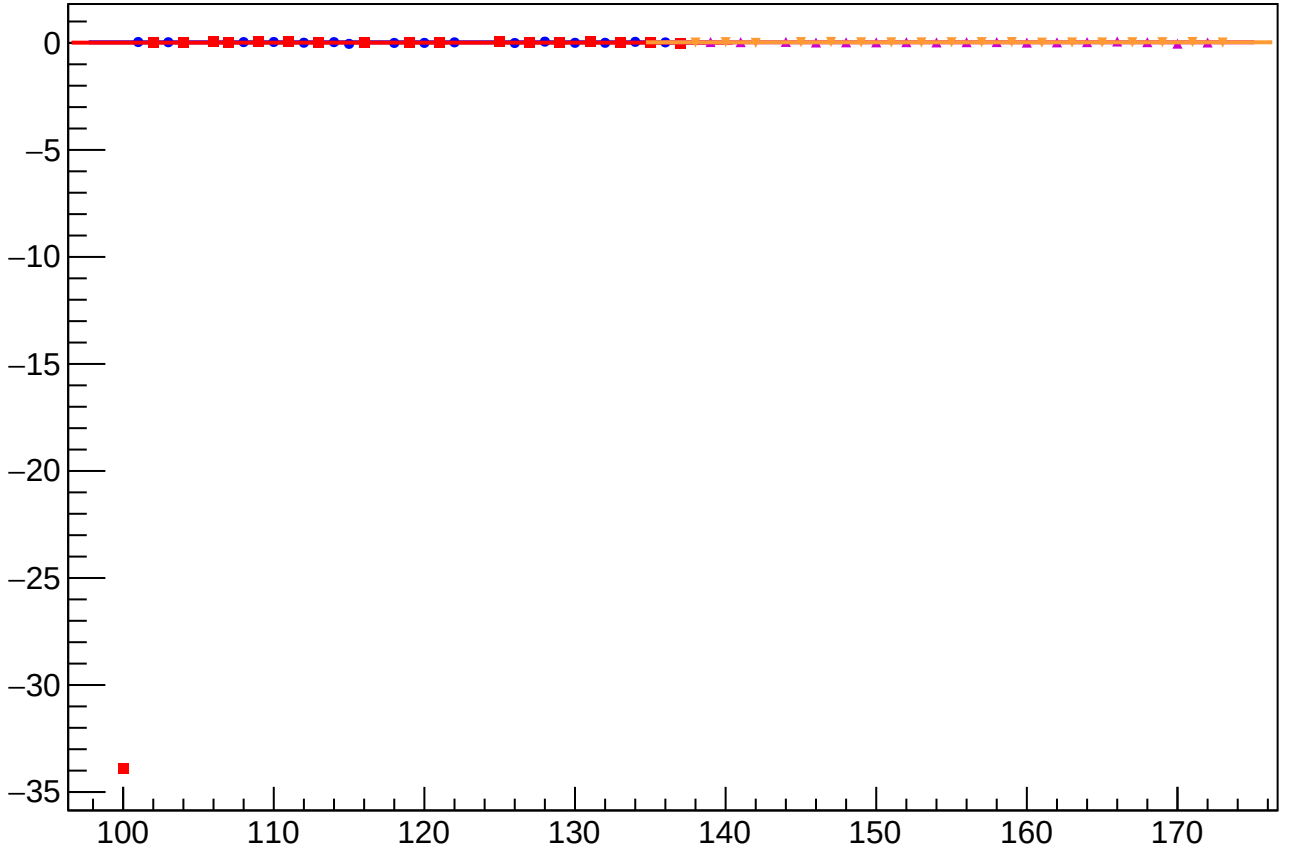
Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.085+/-0.049 χ^2/NDF:50.2/32

Out: -0.001+/-0.048 χ^2/NDF:59.2/35

All: 0.041+/-0.034 χ^2/NDF: 111.0/68

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:14.7/17

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.030+/-0.003 χ^2/NDF:30.7/16

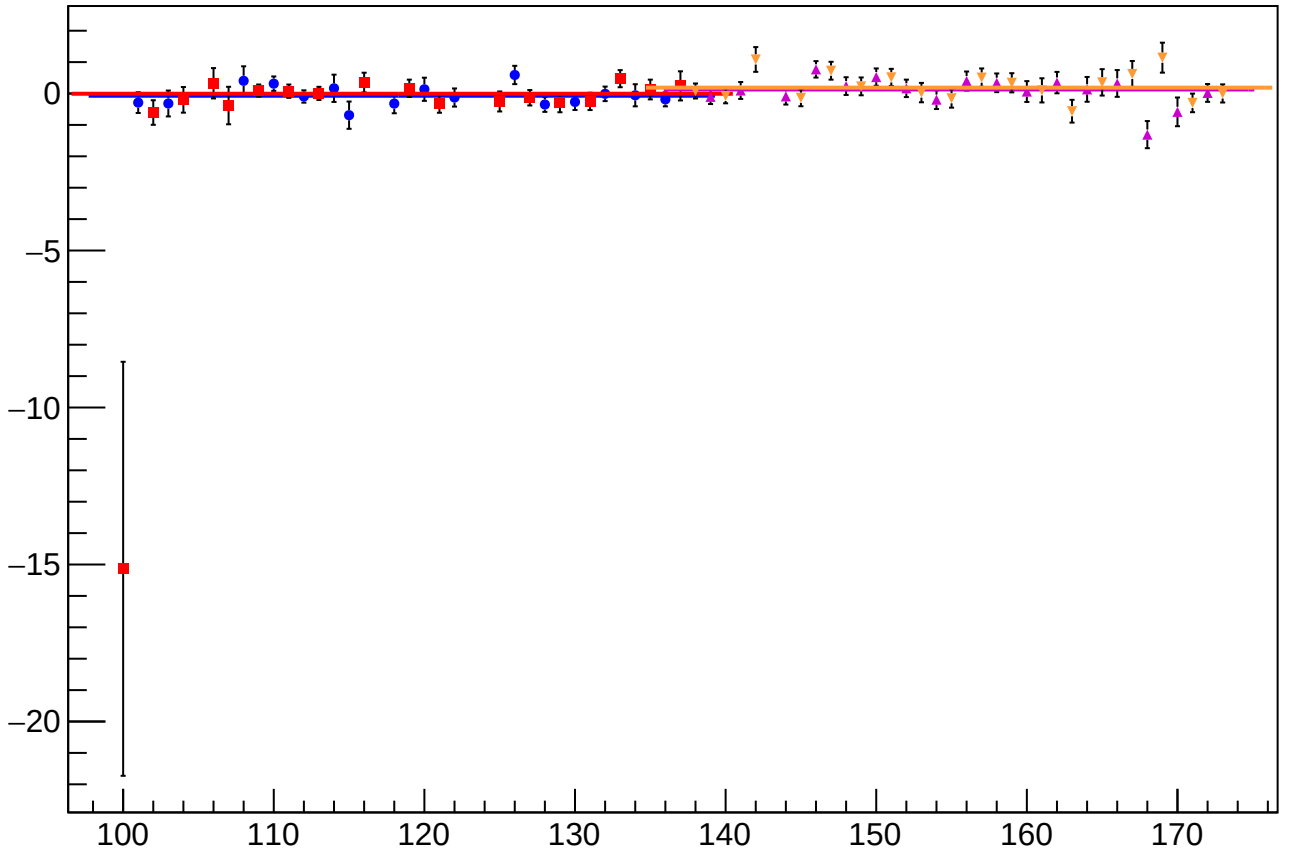
Left: 0.029+/-0.002 χ^2/NDF: 45.7/34

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.030+/-0.002 χ^2/NDF:45.6/32

Out: 0.025+/-0.002 χ^2/NDF:22285.7/35

All: 0.027+/-0.002 χ^2/NDF: 22333.7/68



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.187+/-0.072 χ^2/NDF:28.8/17

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.128+/-0.073 χ^2/NDF:26.8/16

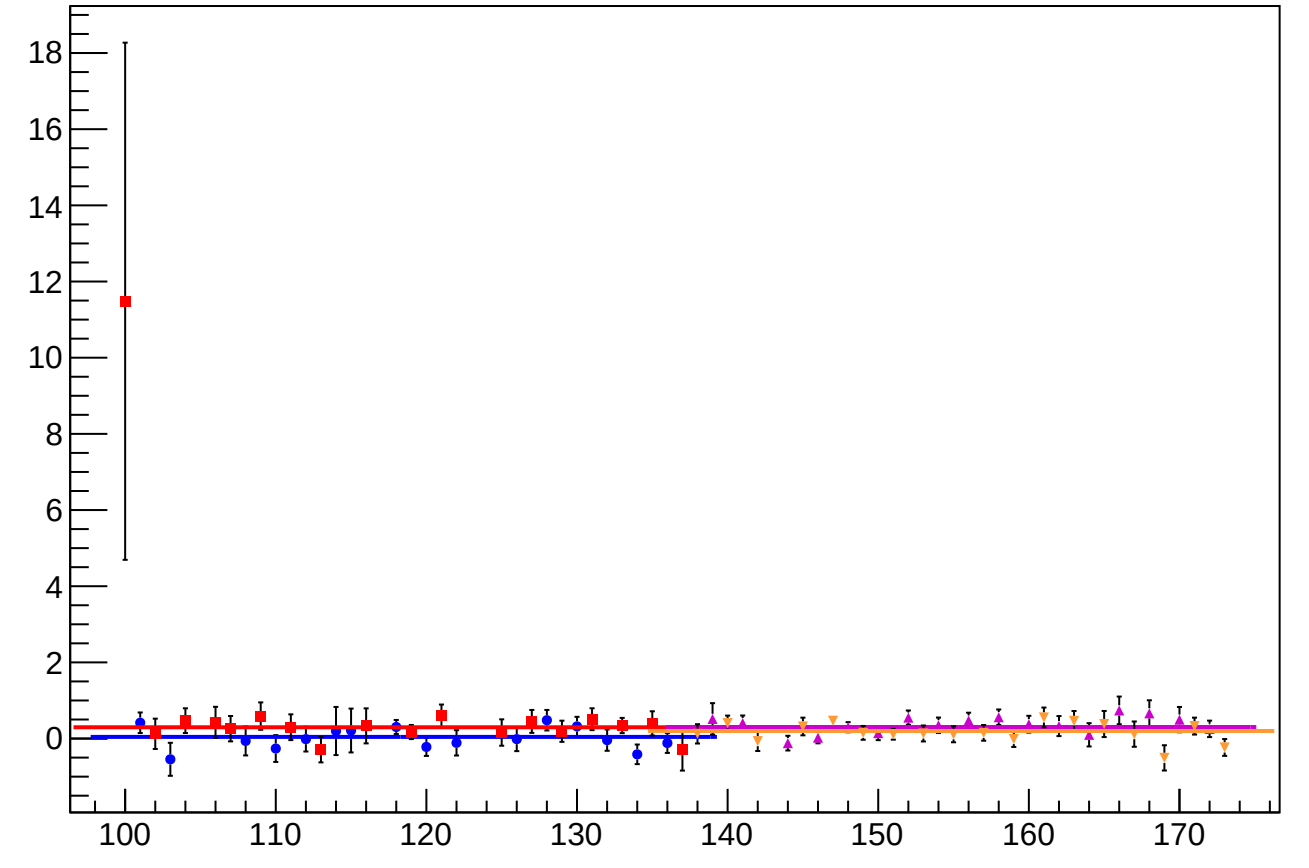
Left: 0.158+/-0.051 χ^2/NDF: 55.9/34

Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.026+/-0.051 χ^2/NDF:46.0/32

Out: 0.086+/-0.050 χ^2/NDF:50.7/35

All: 0.057+/-0.036 χ^2/NDF: 97.4/68



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.199+/-0.050 χ^2/NDF:20.5/17

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.303+/-0.051 χ^2/NDF:17.2/16

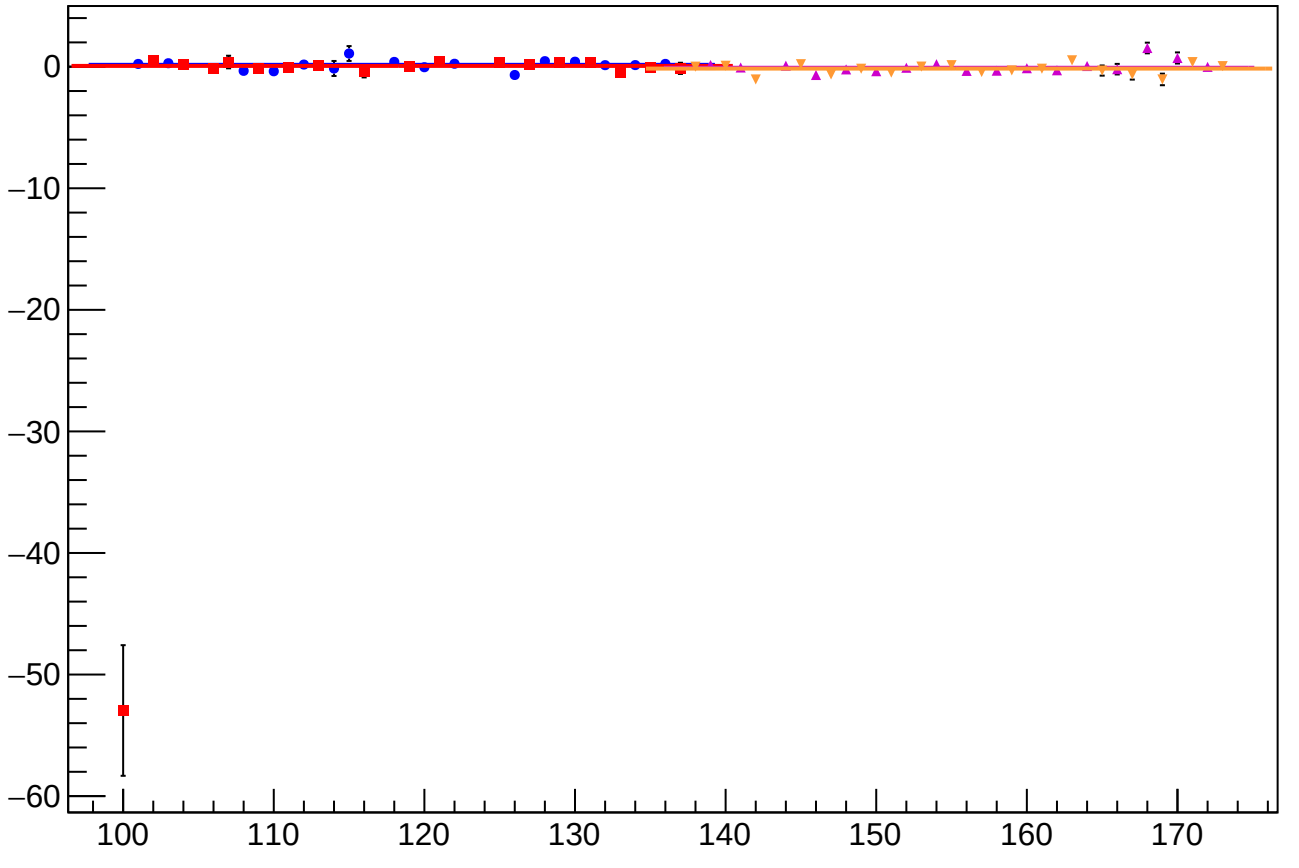
Left: 0.250+/-0.036 χ^2/NDF: 39.7/34

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.218+/-0.042 χ^2/NDF:41.4/32

Out: 0.230+/-0.041 χ^2/NDF:32.6/35

All: 0.224+/-0.029 χ^2/NDF: 74.0/68



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.155+/-0.071 χ^2/NDF:27.9/17

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.088+/-0.071 χ^2/NDF:28.7/16

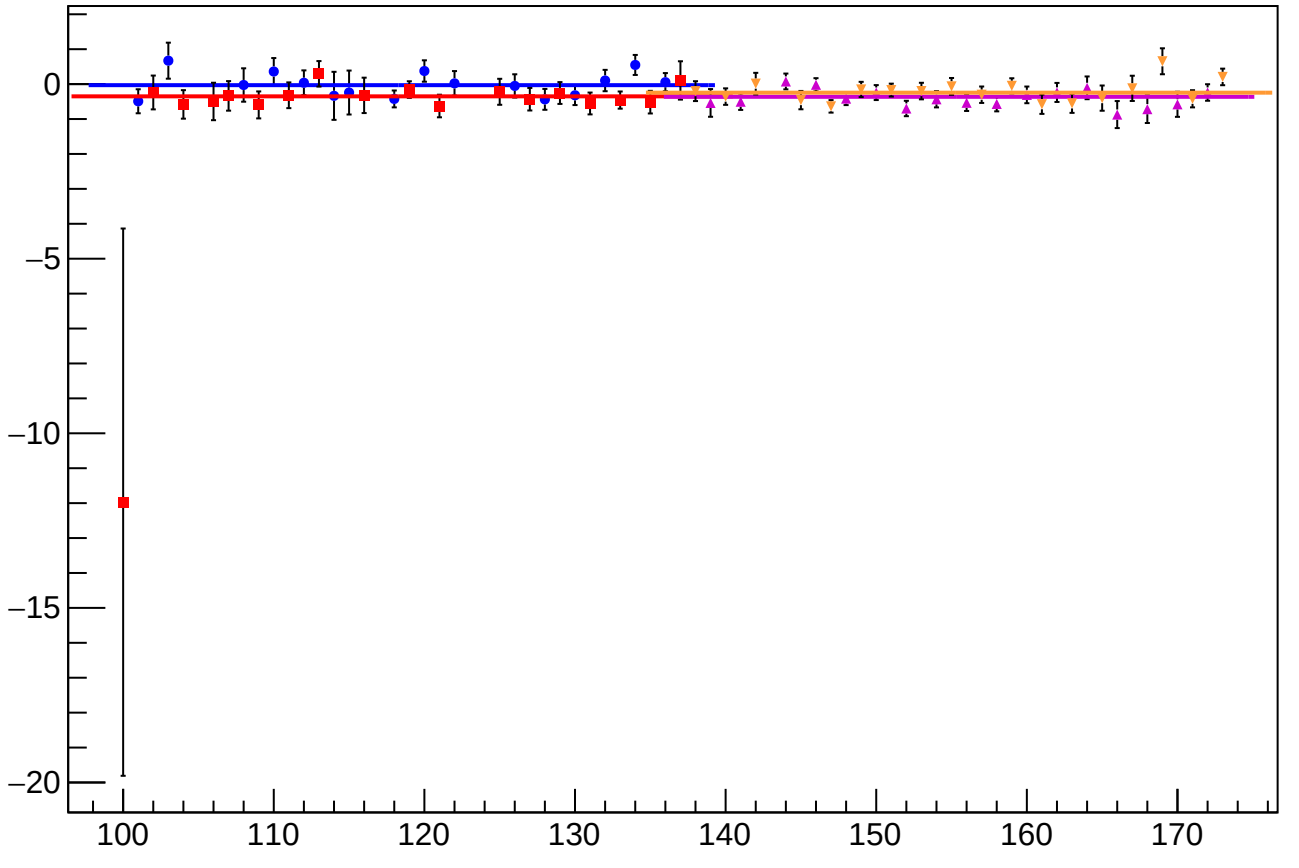
Left: -0.122+/-0.050 χ^2/NDF: 57.1/34

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.019+/-0.053 χ^2/NDF:49.4/32

Out: -0.059+/-0.053 χ^2/NDF:141.5/35

All: -0.020+/-0.038 χ^2/NDF: 191.9/68



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.245+/-0.058 χ^2/NDF:21.2/17

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.364+/-0.060 χ^2/NDF:15.9/16

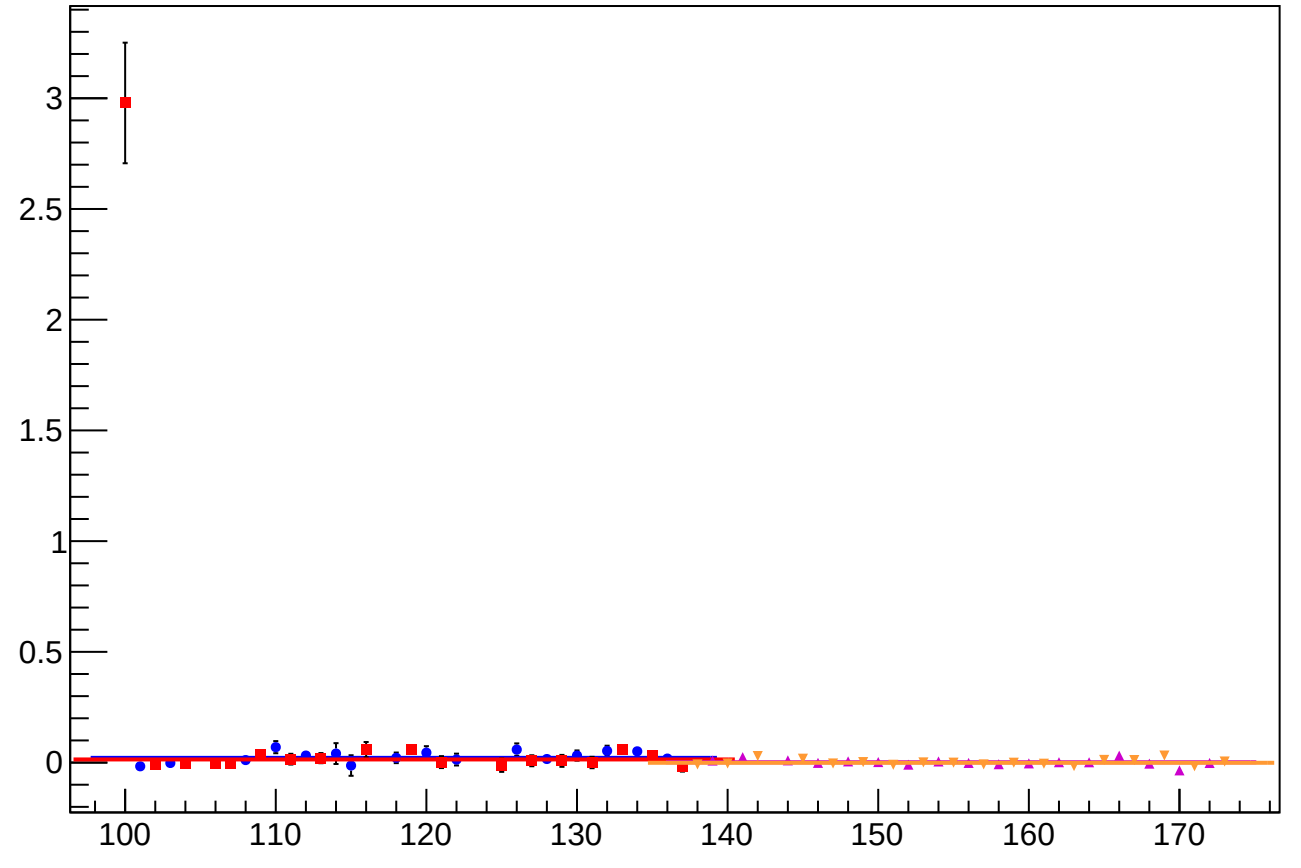
Left: -0.303+/-0.042 χ^2/NDF: 39.1/34

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.252+/-0.049 χ^2/NDF:43.2/32

Out: -0.279+/-0.048 χ^2/NDF:31.6/35

All: -0.265+/-0.034 χ^2/NDF: 75.0/68



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.001+/-0.003 χ^2/NDF:17.9/17

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.002+/-0.003 χ^2/NDF:16.9/16

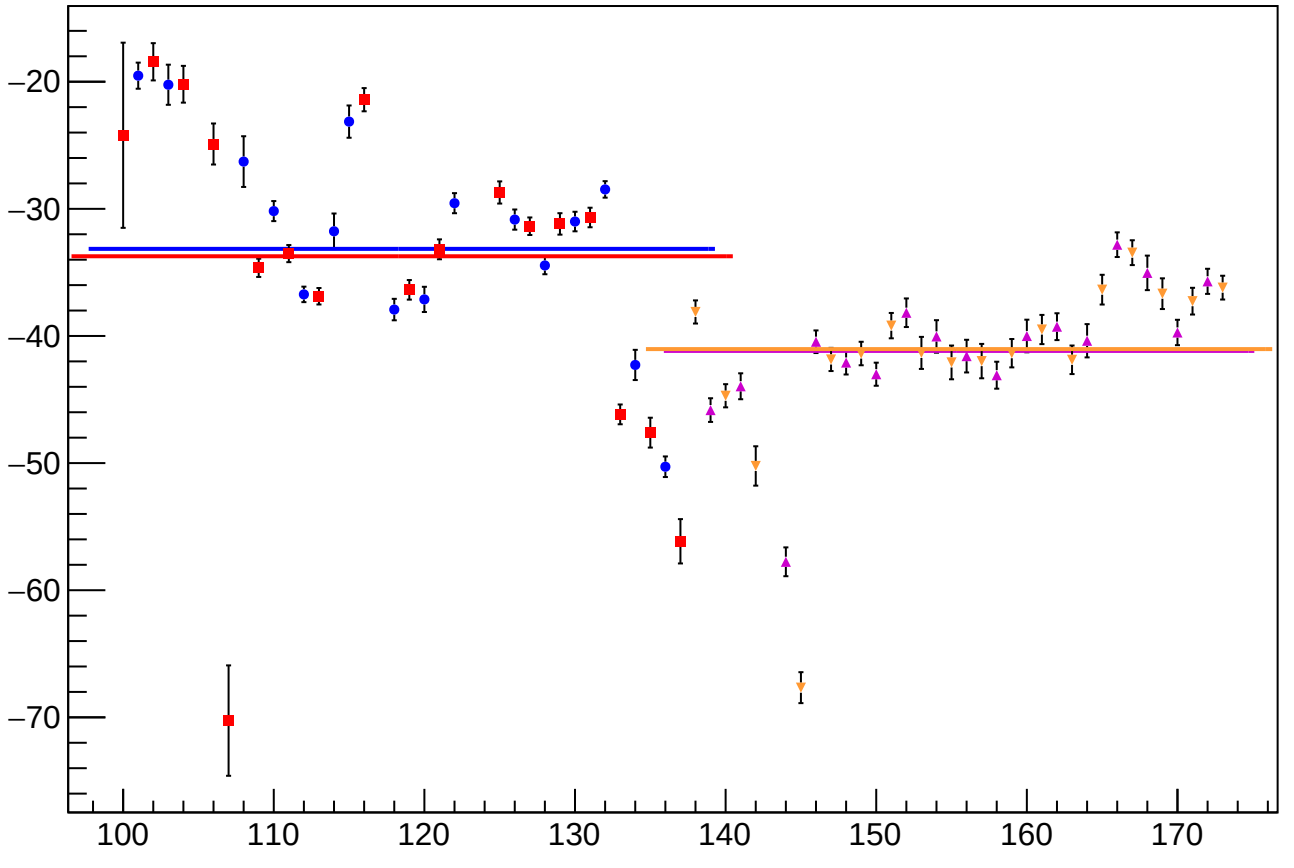
Left: 0.000+/-0.002 χ^2/NDF: 35.2/34

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.006+/-0.002 χ^2/NDF:52.3/32

Out: 0.002+/-0.002 χ^2/NDF:166.1/35

All: 0.004+/-0.002 χ^2/NDF: 219.7/68



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -41.032+/-0.254 χ^2/NDF:677.1/17

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -41.175+/-0.257 χ^2/NDF:395.4/16

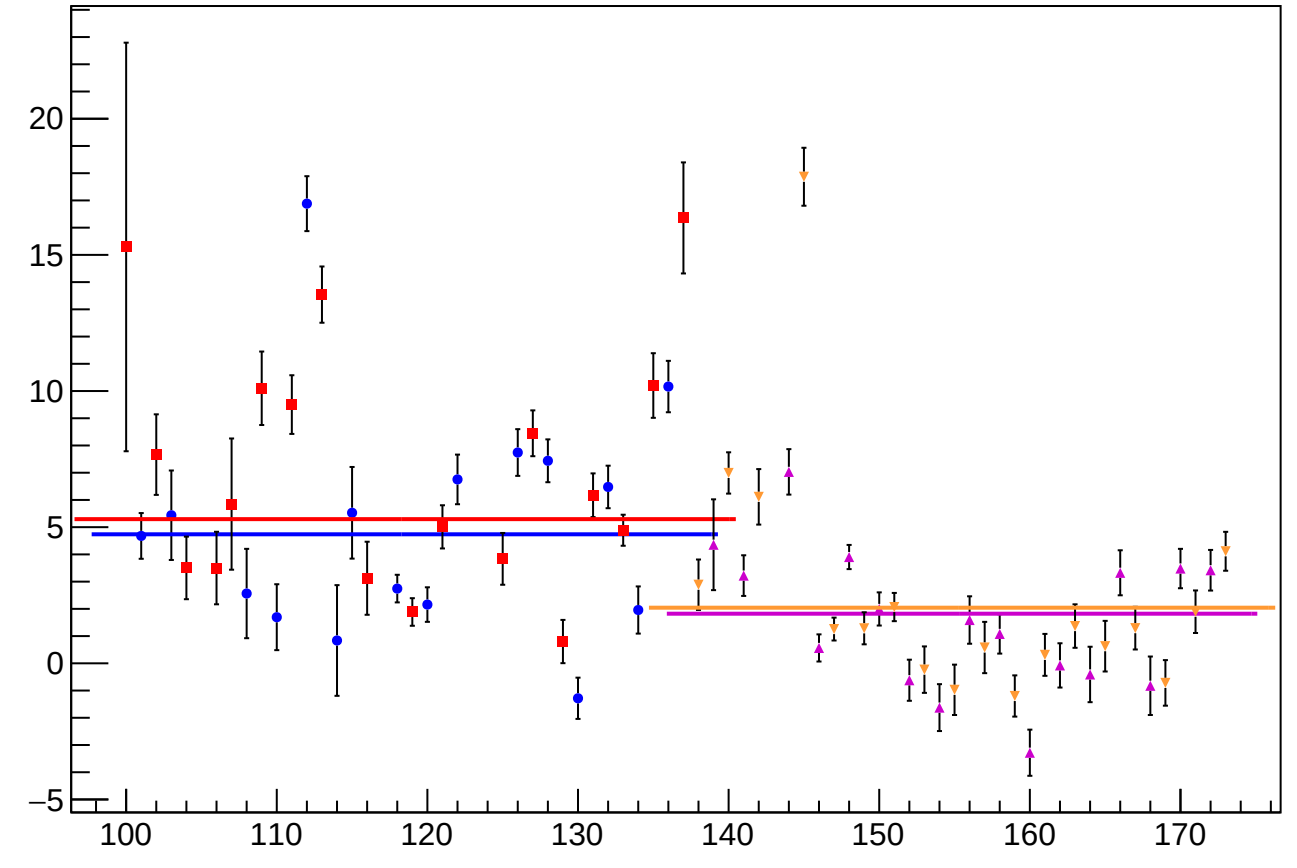
Left: -41.103+/-0.181 χ^2/NDF: 1072.6/34

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.504+/-0.166 χ^2/NDF:1976.3/32

Out: -36.775+/-0.164 χ^2/NDF:2307.1/35

All: -36.641+/-0.117 χ^2/NDF: 4284.8/68



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.043+/-0.173 χ^2/NDF:352.6/17

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 1.822+/-0.178 χ^2/NDF:166.6/16

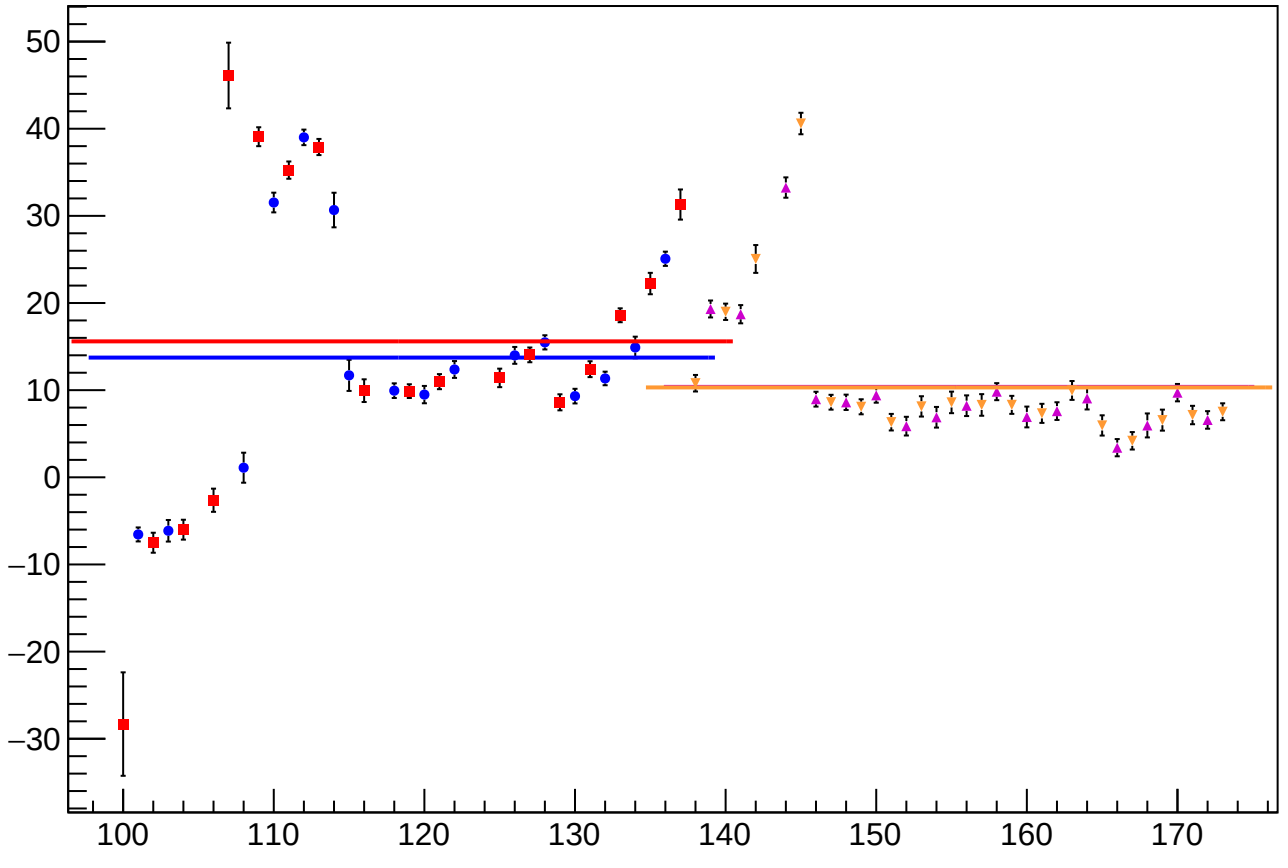
Left: 1.936+/-0.124 χ^2/NDF: 520.0/34

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 2.980+/-0.138 χ^2/NDF:602.9/32

Out: 3.260+/-0.137 χ^2/NDF:730.3/35

All: 3.121+/-0.097 χ^2/NDF: 1335.3/68



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 10.313+/-0.249 χ^2/NDF:901.1/17

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 10.376+/-0.251 χ^2/NDF:662.0/16

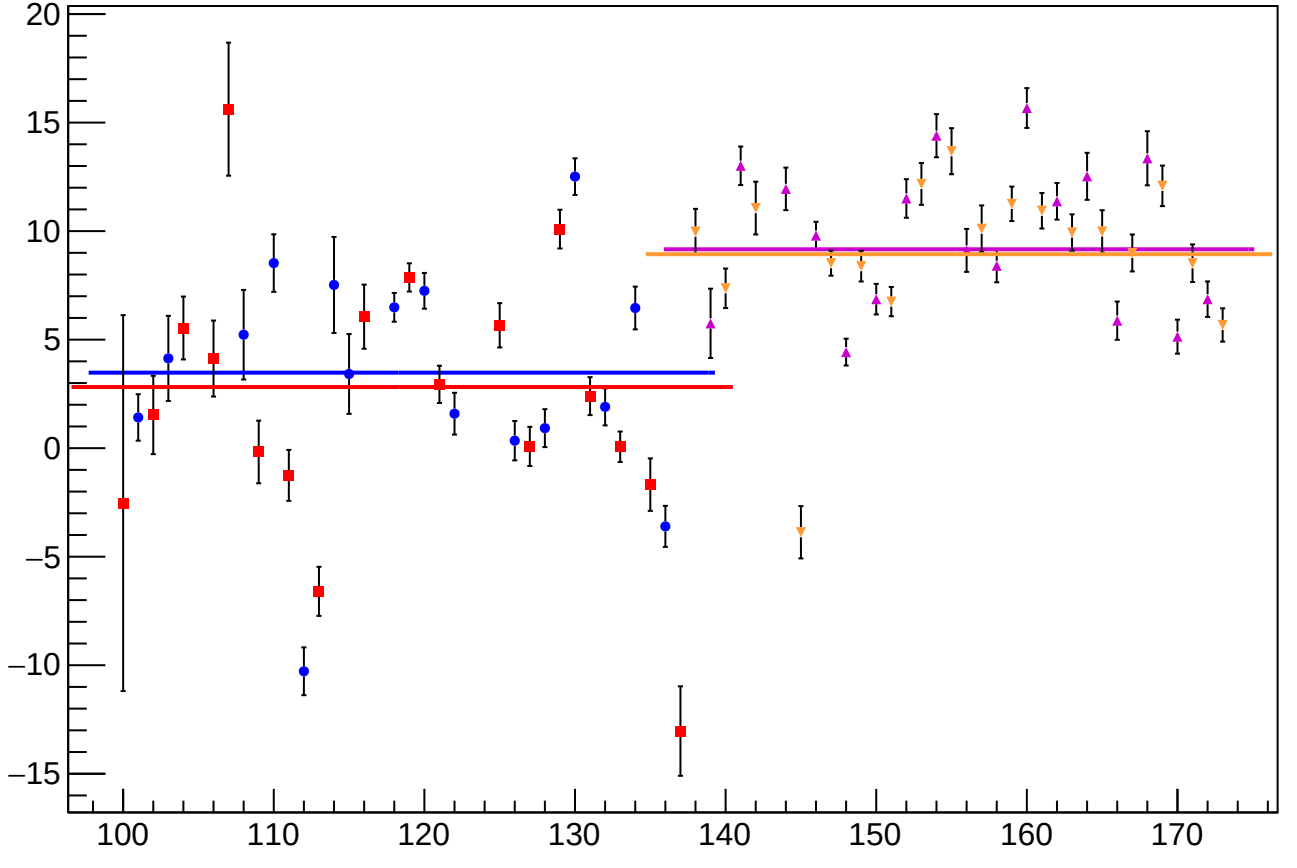
Left: 10.344+/-0.176 χ^2/NDF: 1563.1/34

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 12.083+/-0.176 χ^2/NDF:3103.3/32

Out: 12.941+/-0.176 χ^2/NDF:3952.1/35

All: 12.510+/-0.124 χ^2/NDF: 7067.3/68



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.937+/-0.202 χ^2/NDF:210.6/17

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 9.163+/-0.207 χ^2/NDF:264.0/16

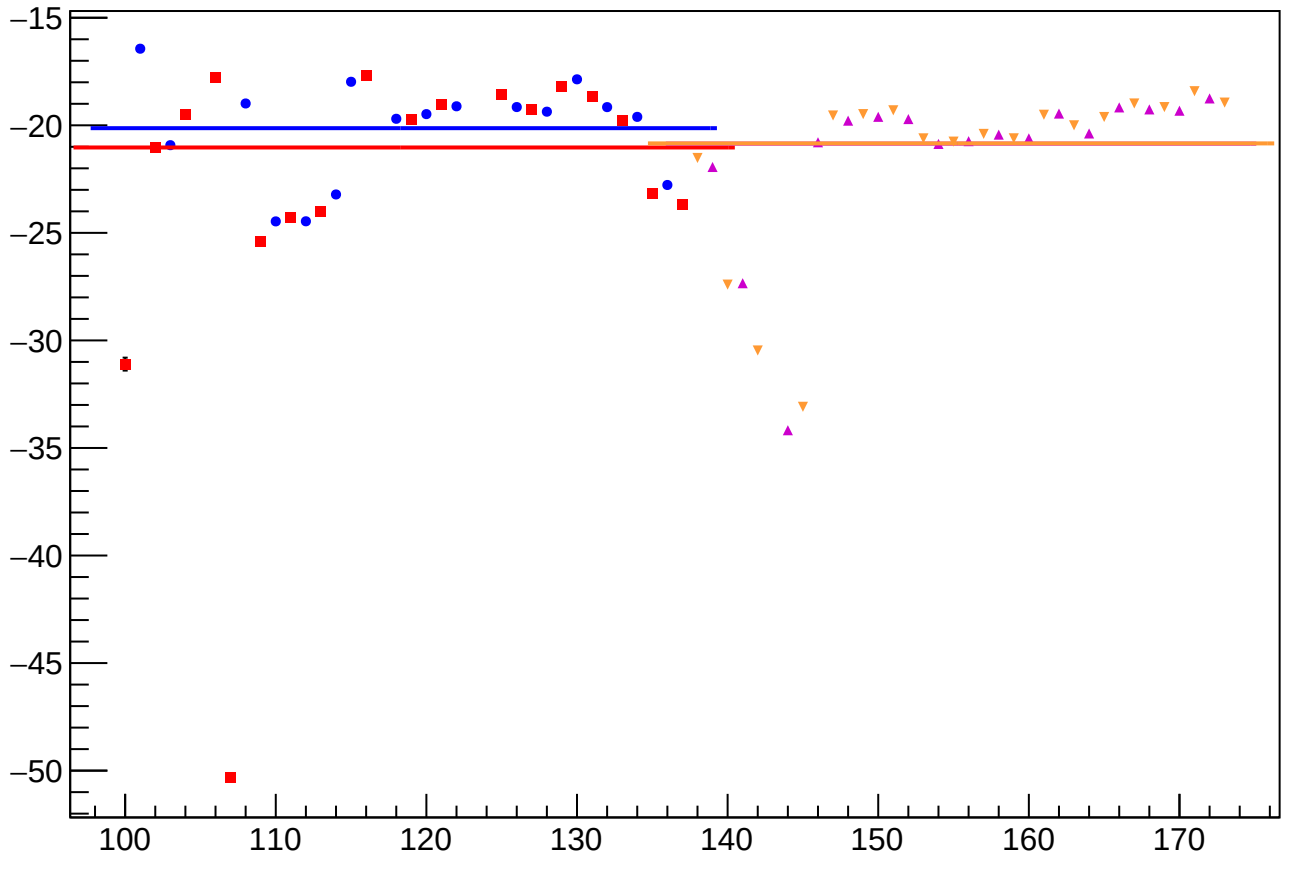
Left: 9.047+/-0.144 χ^2/NDF: 475.2/34

Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 6.892+/-0.160 χ^2/NDF:993.1/32

Out: 6.609+/-0.159 χ^2/NDF:906.5/35

All: 6.749+/-0.113 χ^2/NDF: 1901.2/68



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -20.841+/-0.009 χ^2/NDF:128892.7/17

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

Left In: -20.852+/-0.009 χ^2/NDF:101866.7/16

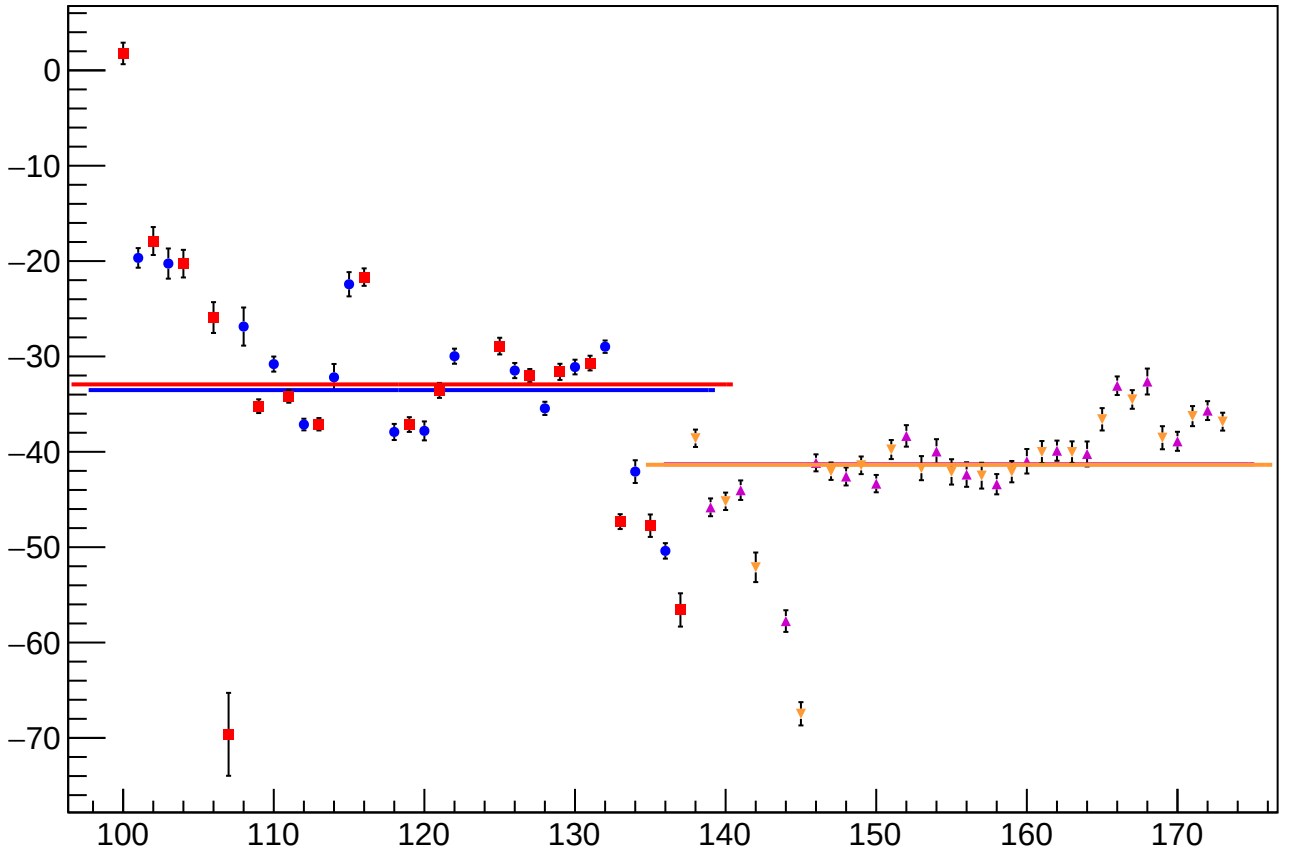
Left: -20.846+/-0.007 χ^2/NDF: 230760.1/34

Right: -20.570+/-0.011 χ^2/NDF: 78882.9/33

In: -20.669+/-0.008 χ^2/NDF:123200.4/32

Out: -20.887+/-0.008 χ^2/NDF:186516.6/35

All: -20.778+/-0.006 χ^2/NDF: 310080.2/68



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -41.359+/-0.255 χ^2/NDF:658.1/17

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

Left In: -41.303+/-0.258 χ^2/NDF:412.5/16

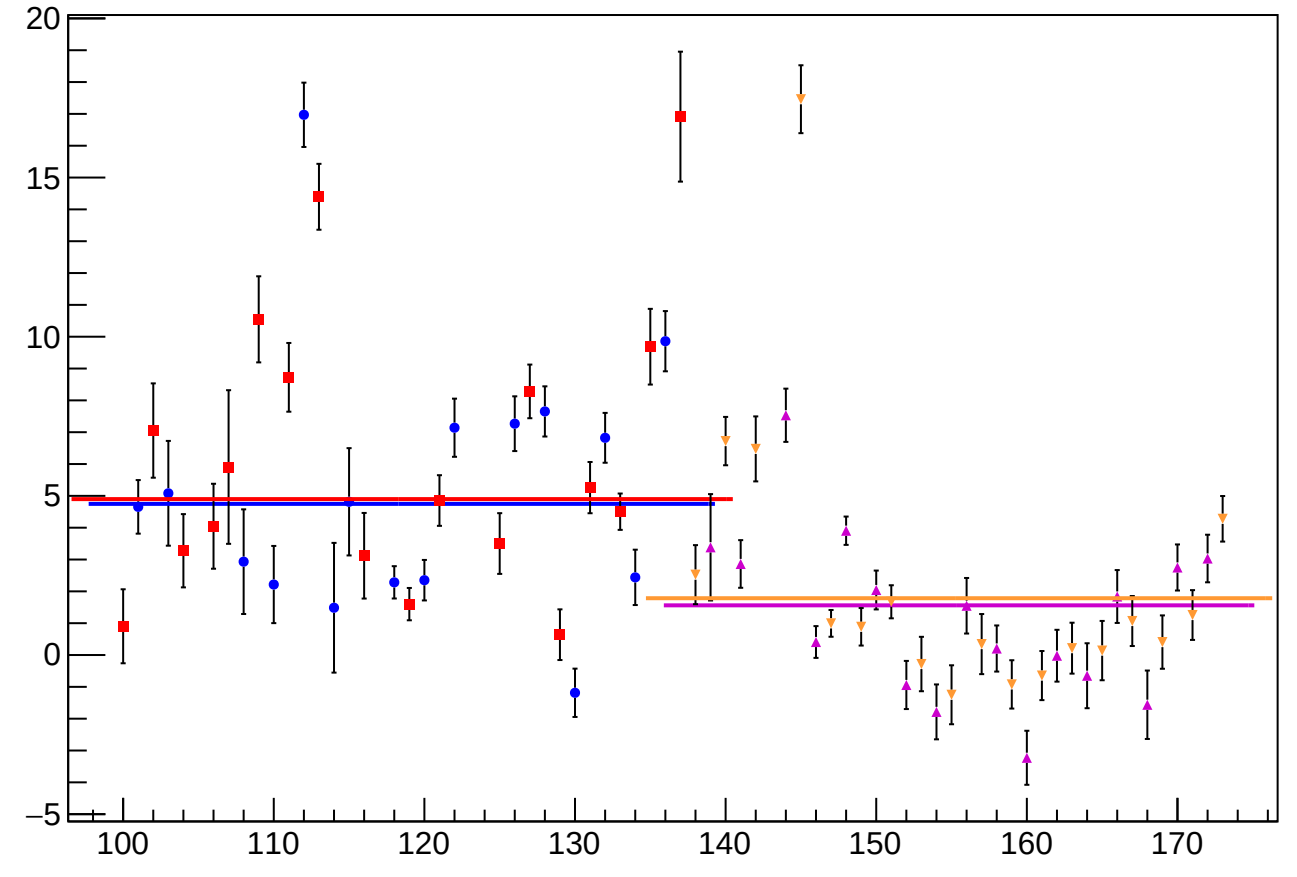
Left: -41.331+/-0.181 χ^2/NDF: 1070.6/34

Right: -33.220+/-0.152 χ^2/NDF: 3182.6/33

In: -36.779+/-0.167 χ^2/NDF:1950.8/32

Out: -36.375+/-0.163 χ^2/NDF:3476.6/35

All: -36.572+/-0.116 χ^2/NDF: 5430.4/68



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.784+/-0.173 χ^2/NDF:350.6/17

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 1.561+/-0.178 χ^2/NDF:173.9/16

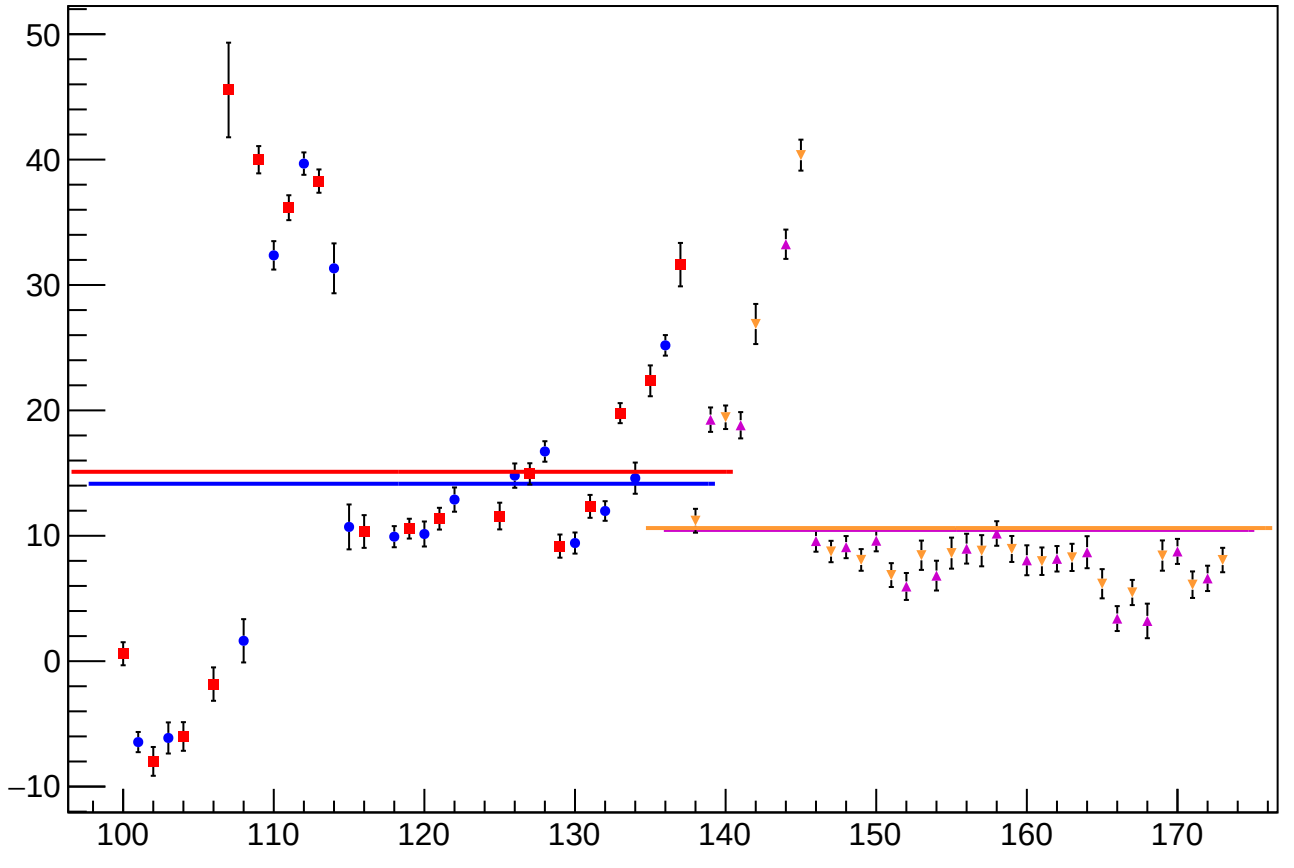
Left: 1.676+/-0.124 χ^2/NDF: 525.3/34

Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 2.825+/-0.138 χ^2/NDF:626.6/32

Out: 2.975+/-0.136 χ^2/NDF:747.5/35

All: 2.902+/-0.097 χ^2/NDF: 1374.6/68



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 10.616+/-0.249 χ^2/NDF:891.8/17

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 10.468+/-0.251 χ^2/NDF:665.2/16

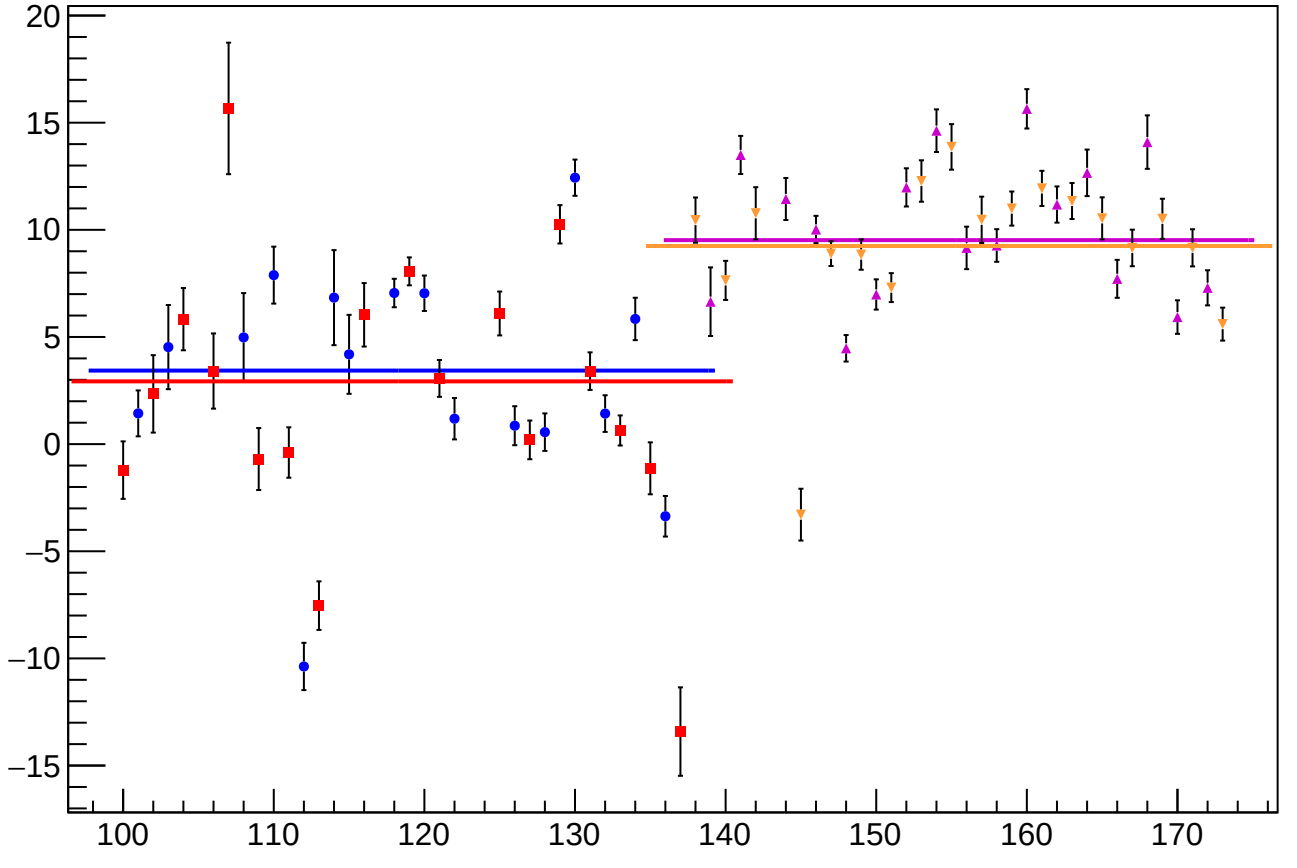
Left: 10.543+/-0.177 χ^2/NDF: 1557.2/34

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 12.336+/-0.176 χ^2/NDF:3176.7/32

Out: 12.924+/-0.174 χ^2/NDF:4161.1/35

All: 12.635+/-0.124 χ^2/NDF: 7343.4/68



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.244+/-0.202 χ^2/NDF:200.4/17

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.519+/-0.207 χ^2/NDF:244.1/16

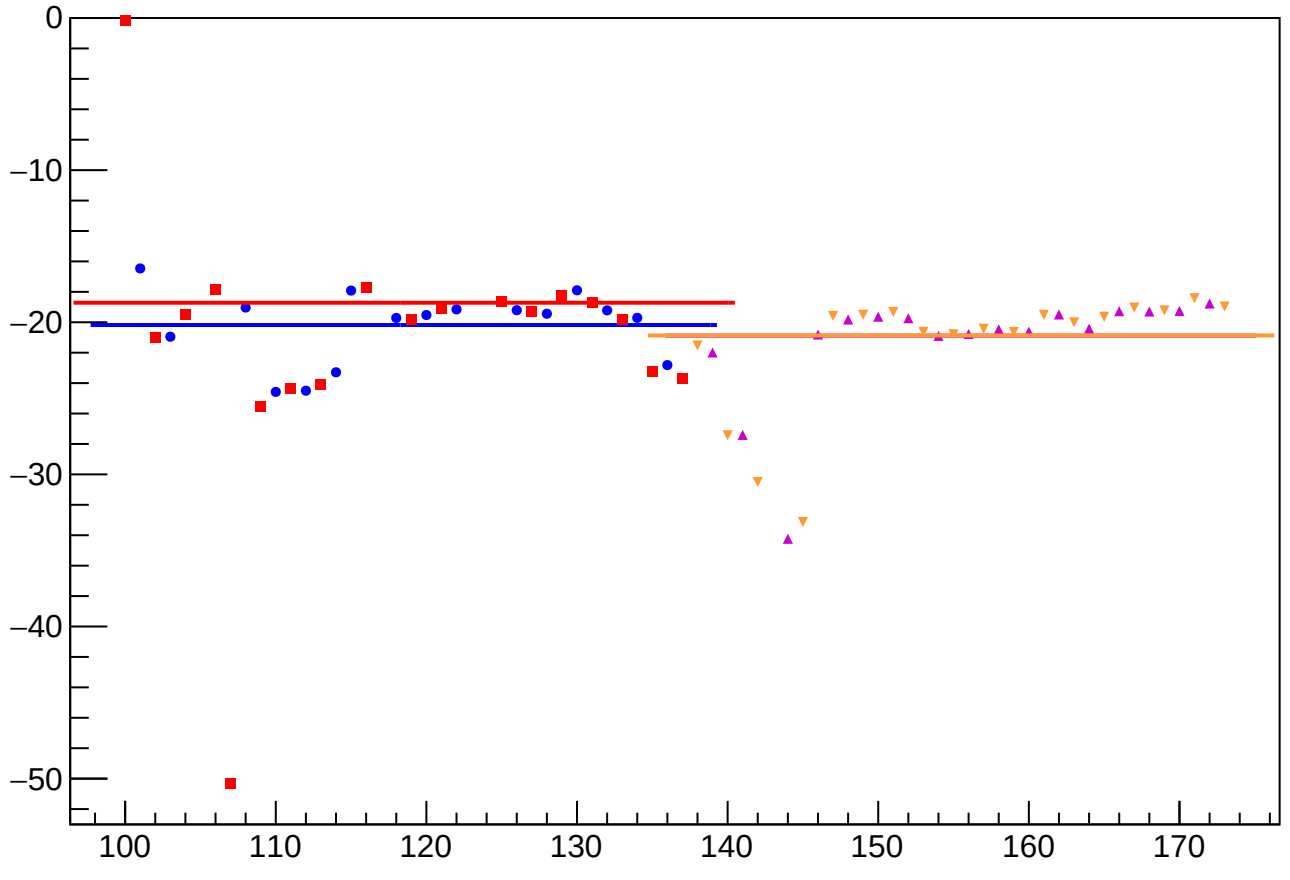
Left: 9.378+/-0.145 χ^2/NDF: 445.3/34

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 7.088+/-0.161 χ^2/NDF:1012.4/32

Out: 6.791+/-0.158 χ^2/NDF:948.2/35

All: 6.937+/-0.113 χ^2/NDF: 1962.3/68



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -20.867+/-0.009 χ^2/NDF:128606.2/17

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -20.881+/-0.009 χ^2/NDF:102160.1/16

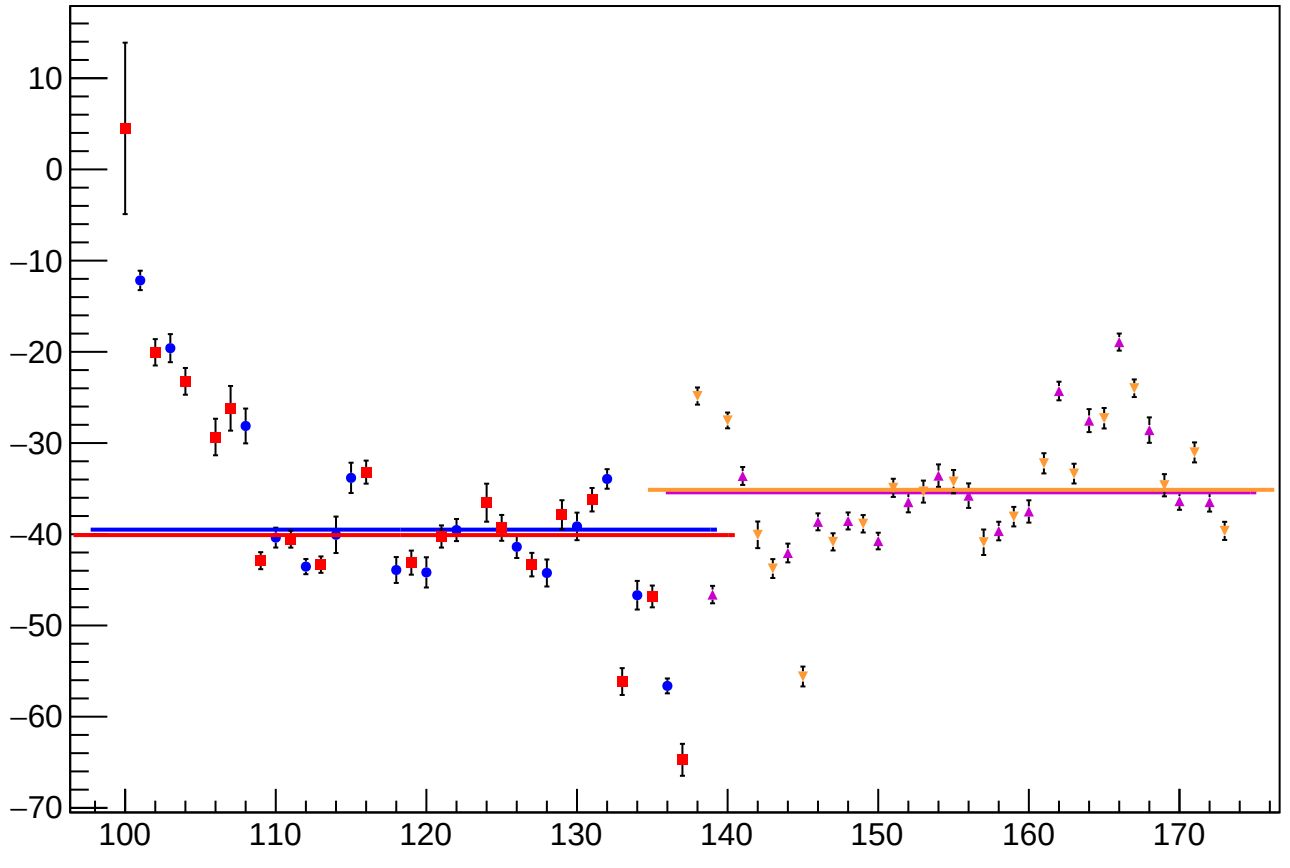
Left: -20.874+/-0.007 χ^2/NDF: 230767.3/34

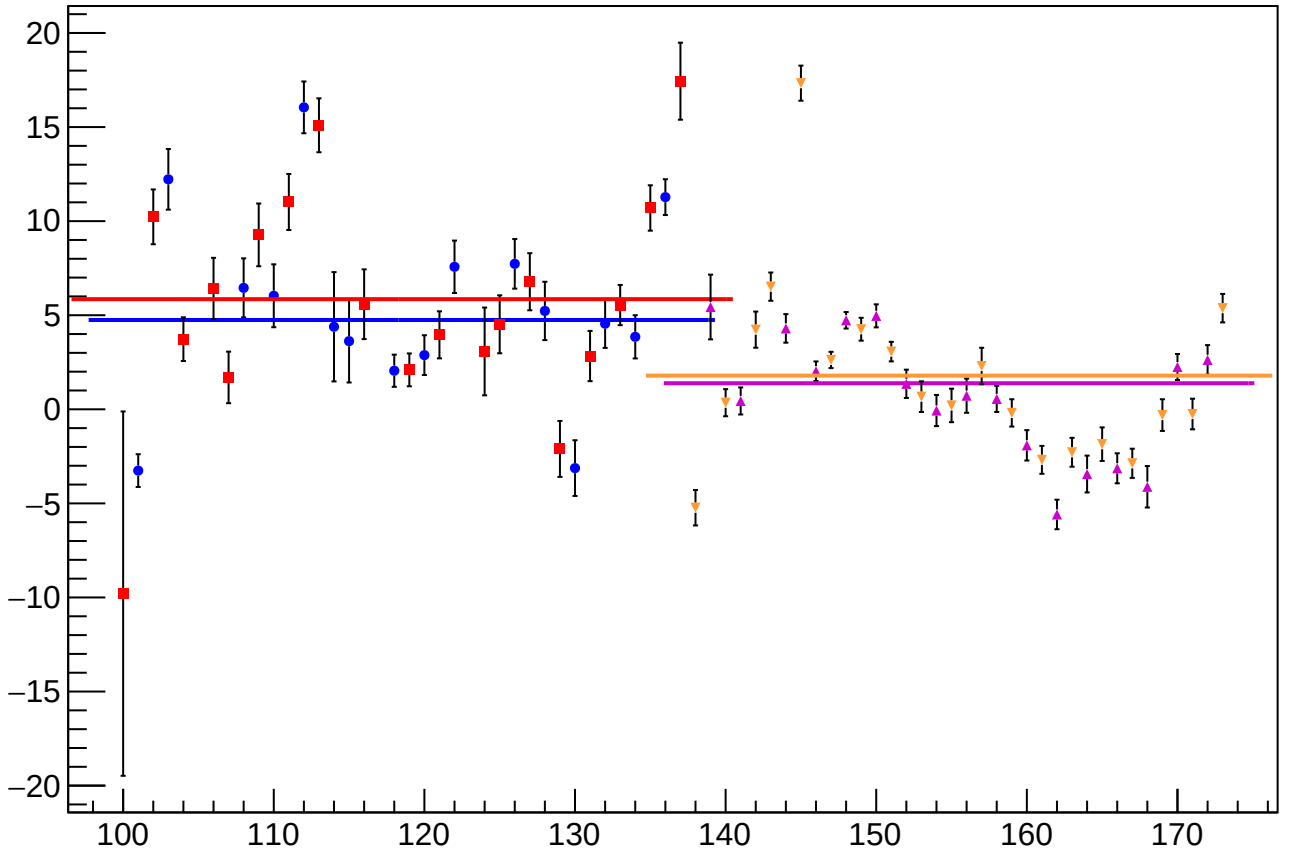
Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -20.703+/-0.008 χ^2/NDF:123436.2/32

Out: -20.298+/-0.008 χ^2/NDF:377345.9/35

All: -20.498+/-0.006 χ^2/NDF: 502046.8/68


reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected
10
0
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
170
Right In: -39.493+/-0.311 χ²/NDF: 1417.1/15
Left Out: -35.129+/-0.245 χ²/NDF:933.8/18
Right Out: -40.090+/-0.307 χ²/NDF: 834.9/18
Left In: -35.402+/-0.254 χ²/NDF:756.5/16
Left: -35.260+/-0.176 χ²/NDF: 1690.8/35
Right: -39.795+/-0.218 χ²/NDF: 2253.9/34
In: -37.042+/-0.197 χ²/NDF:2277.4/32
Out: -37.057+/-0.191 χ²/NDF:1928.2/37
All: -37.049+/-0.137 χ²/NDF: 4205.7/70



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 1.790+/-0.168 χ^2/NDF:574.9/18

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 1.385+/-0.176 χ^2/NDF:301.4/16

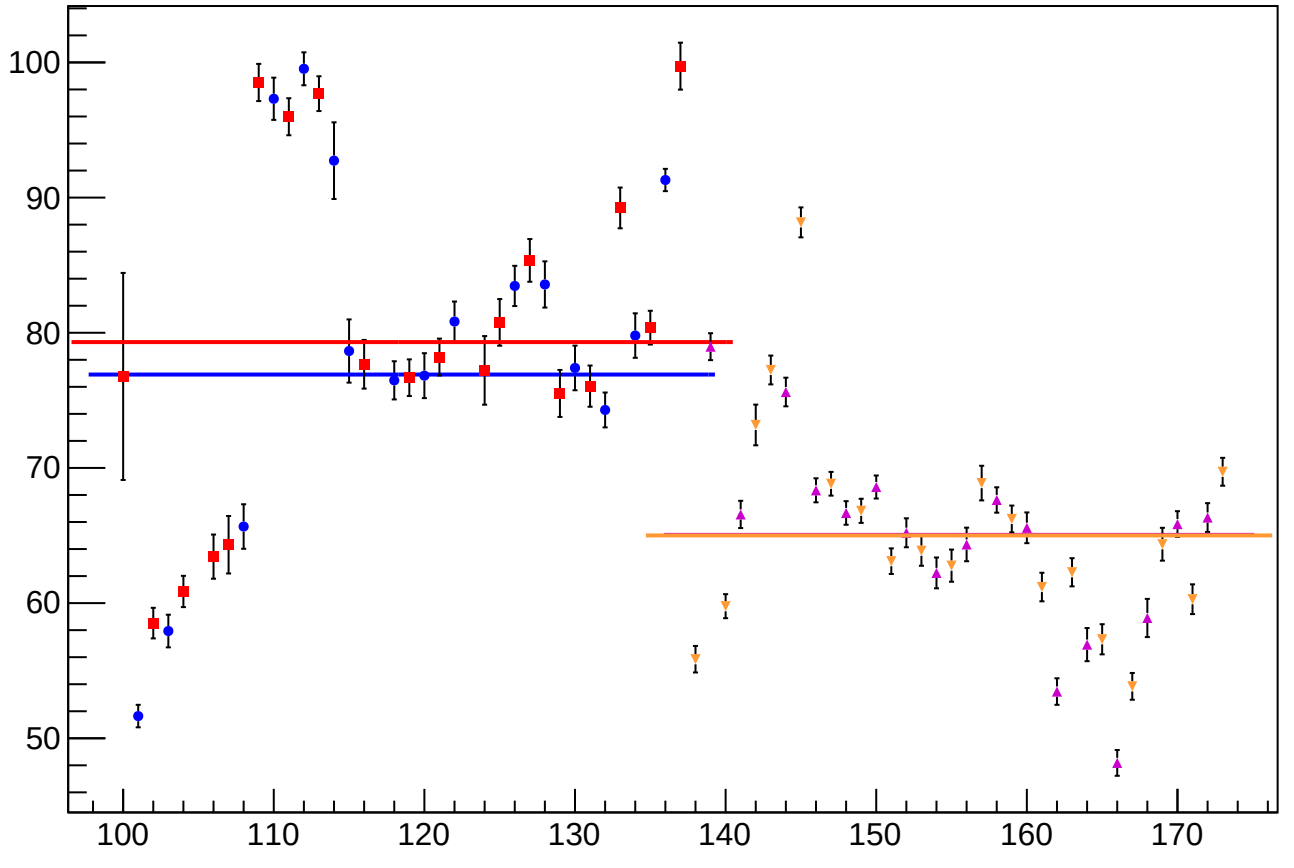
Left: 1.597+/-0.121 χ^2/NDF: 879.0/35

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 2.180+/-0.154 χ^2/NDF:661.7/32

Out: 2.648+/-0.149 χ^2/NDF:886.7/37

All: 2.422+/-0.107 χ^2/NDF: 1553.2/70



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 65.007+/-0.240 χ^2/NDF:996.0/18

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 65.047+/-0.248 χ^2/NDF:862.5/16

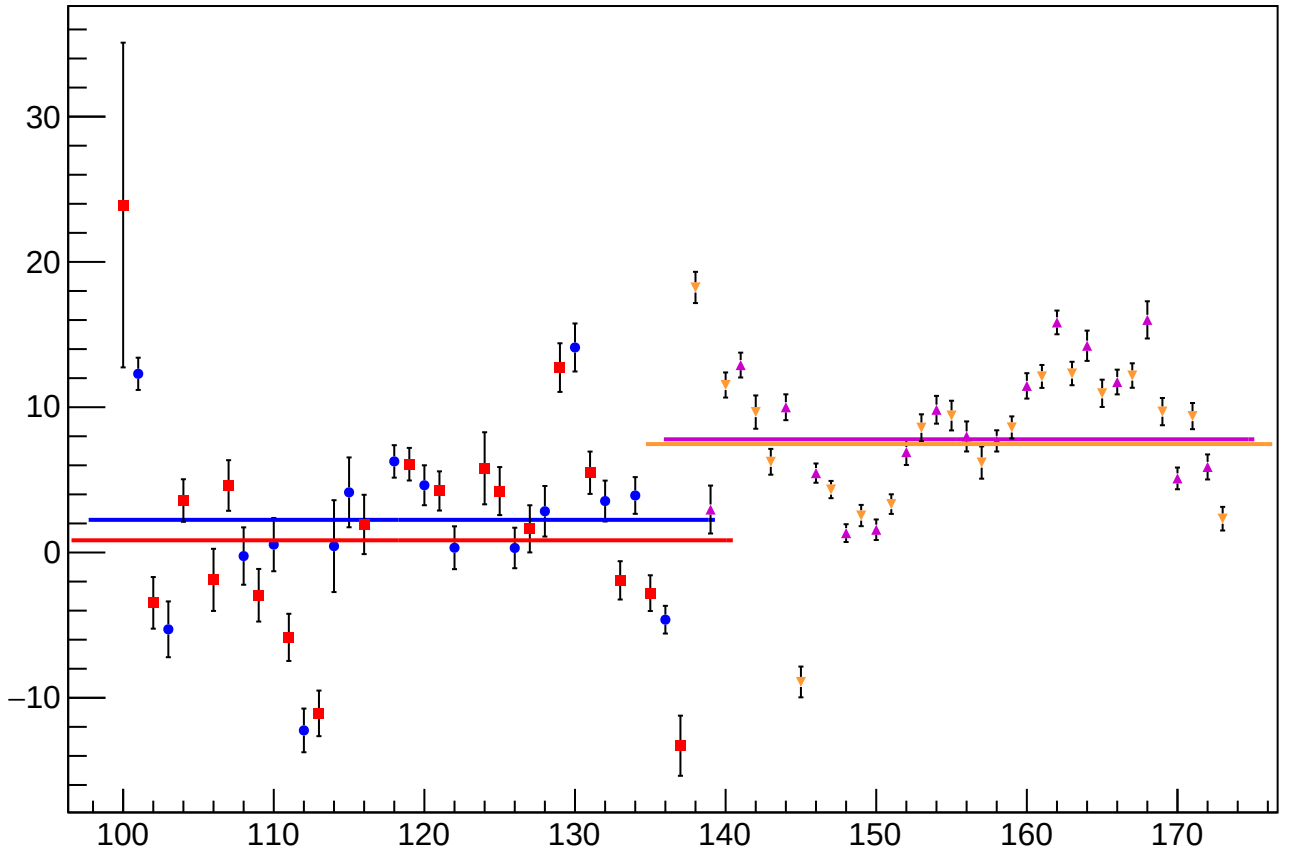
Left: 65.026+/-0.172 χ^2/NDF: 1858.5/35

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 69.207+/-0.199 χ^2/NDF:3783.6/32

Out: 69.626+/-0.198 χ^2/NDF:3637.2/37

All: 69.418+/-0.140 χ^2/NDF: 7423.1/70



Right In: 2.248+/-0.363 χ^2/NDF: 319.6/15

Left Out: 7.463+/-0.195 χ^2/NDF:652.5/18

Right Out: 0.840+/-0.372 χ^2/NDF: 256.2/18

Left In: 7.792+/-0.204 χ^2/NDF:490.7/16

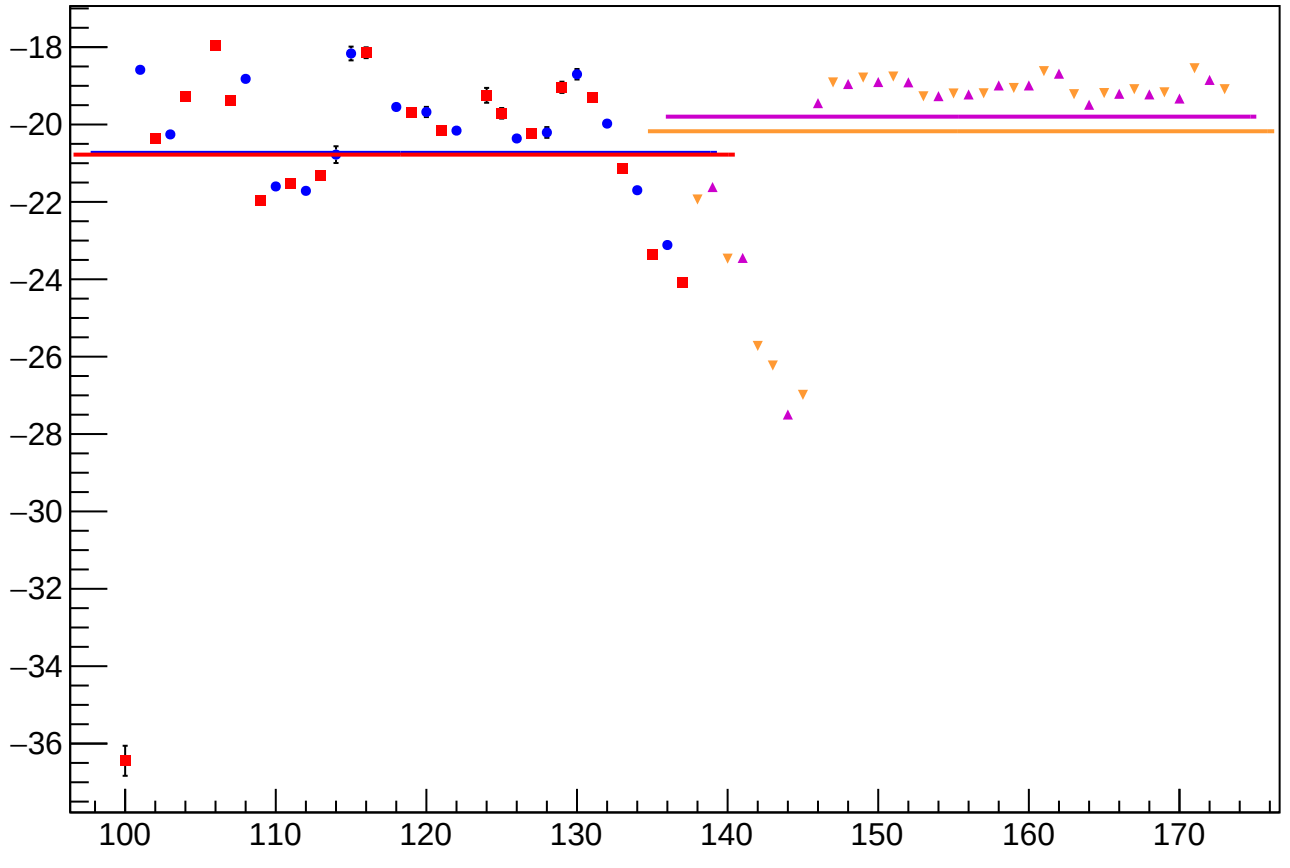
Left: 7.620+/-0.141 χ^2/NDF: 1144.6/35

Right: 1.561+/-0.260 χ^2/NDF: 583.2/34

In: 6.459+/-0.178 χ^2/NDF:987.4/32

Out: 6.034+/-0.173 χ^2/NDF:1157.3/37

All: 6.241+/-0.124 χ^2/NDF: 2147.6/70



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -20.174+/-0.009 χ^2/NDF:73682.3/18

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -19.797+/-0.009 χ^2/NDF:42303.2/16

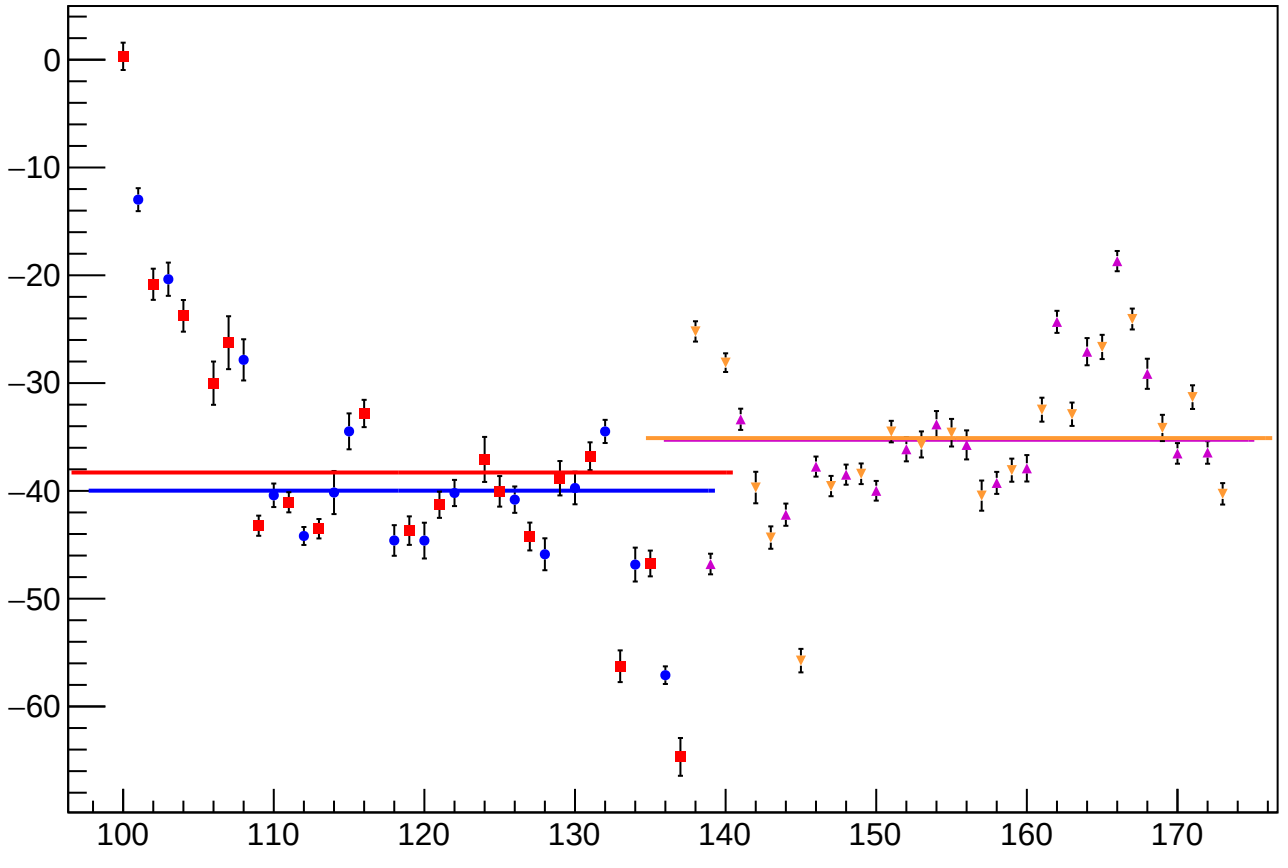
Left: -19.990+/-0.006 χ^2/NDF: 116834.5/35

Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -19.970+/-0.008 χ^2/NDF:51828.4/32

Out: -20.275+/-0.008 χ^2/NDF:83854.4/37

All: -20.125+/-0.006 χ^2/NDF: 136357.4/70



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -35.103+/-0.245 χ^2/NDF:916.2/18

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

Left In: -35.257+/-0.255 χ^2/NDF:752.3/16

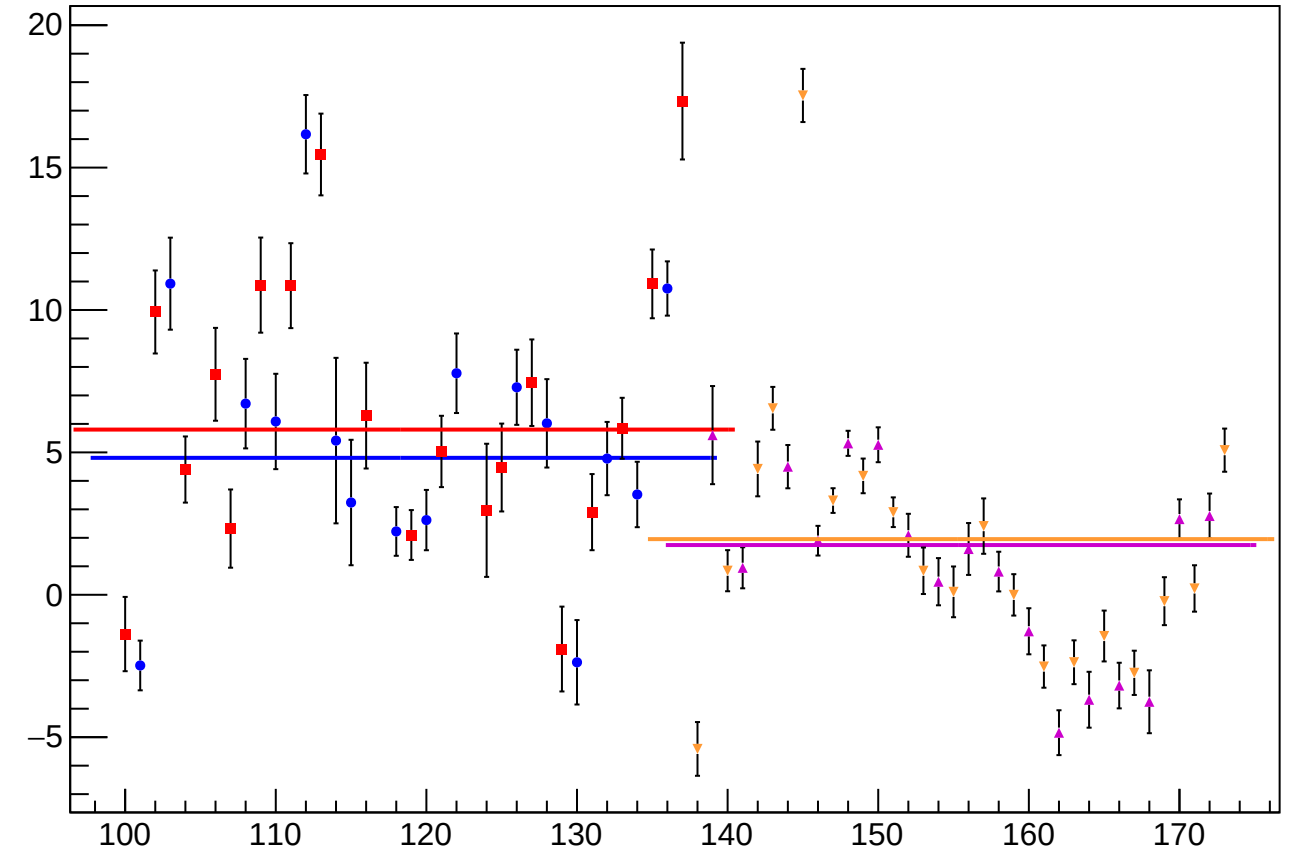
Left: -35.177+/-0.177 χ^2/NDF: 1668.7/35

Right: -39.104+/-0.216 χ^2/NDF: 3187.4/34

In: -37.151+/-0.197 χ^2/NDF:2288.7/32

Out: -36.387+/-0.190 χ^2/NDF:2758.0/37

All: -36.754+/-0.137 χ^2/NDF: 5054.6/70



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 1.954+/-0.168 χ^2/NDF:572.7/18

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

Left In: 1.747+/-0.176 χ^2/NDF:303.6/16

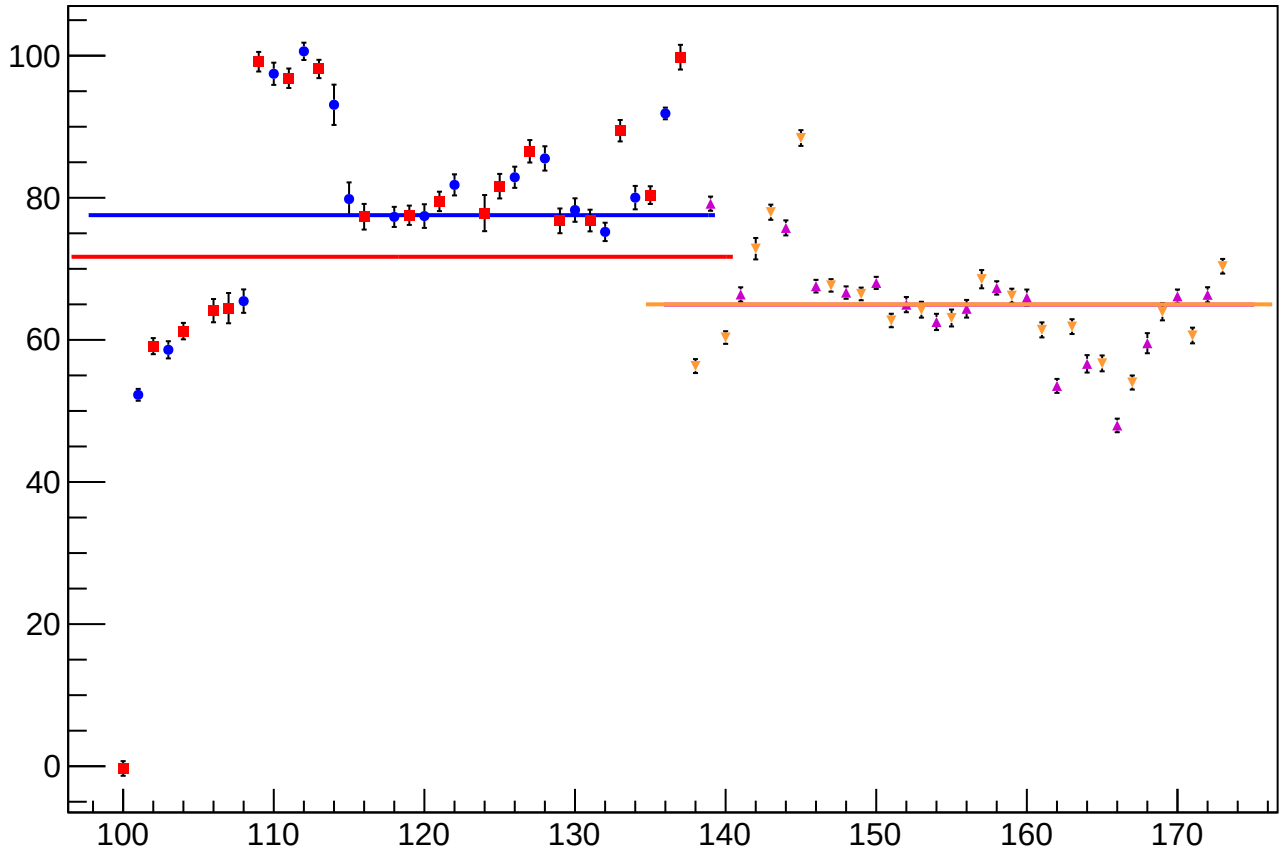
Left: 1.856+/-0.121 χ^2/NDF: 877.0/35

Right: 5.307+/-0.223 χ^2/NDF: 461.9/34

In: 2.471+/-0.154 χ^2/NDF:615.6/32

Out: 2.805+/-0.148 χ^2/NDF:905.3/37

All: 2.644+/-0.107 χ^2/NDF: 1523.3/70



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 65.002+/-0.241 χ^2/NDF:996.9/18

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 64.966+/-0.248 χ^2/NDF:860.0/16

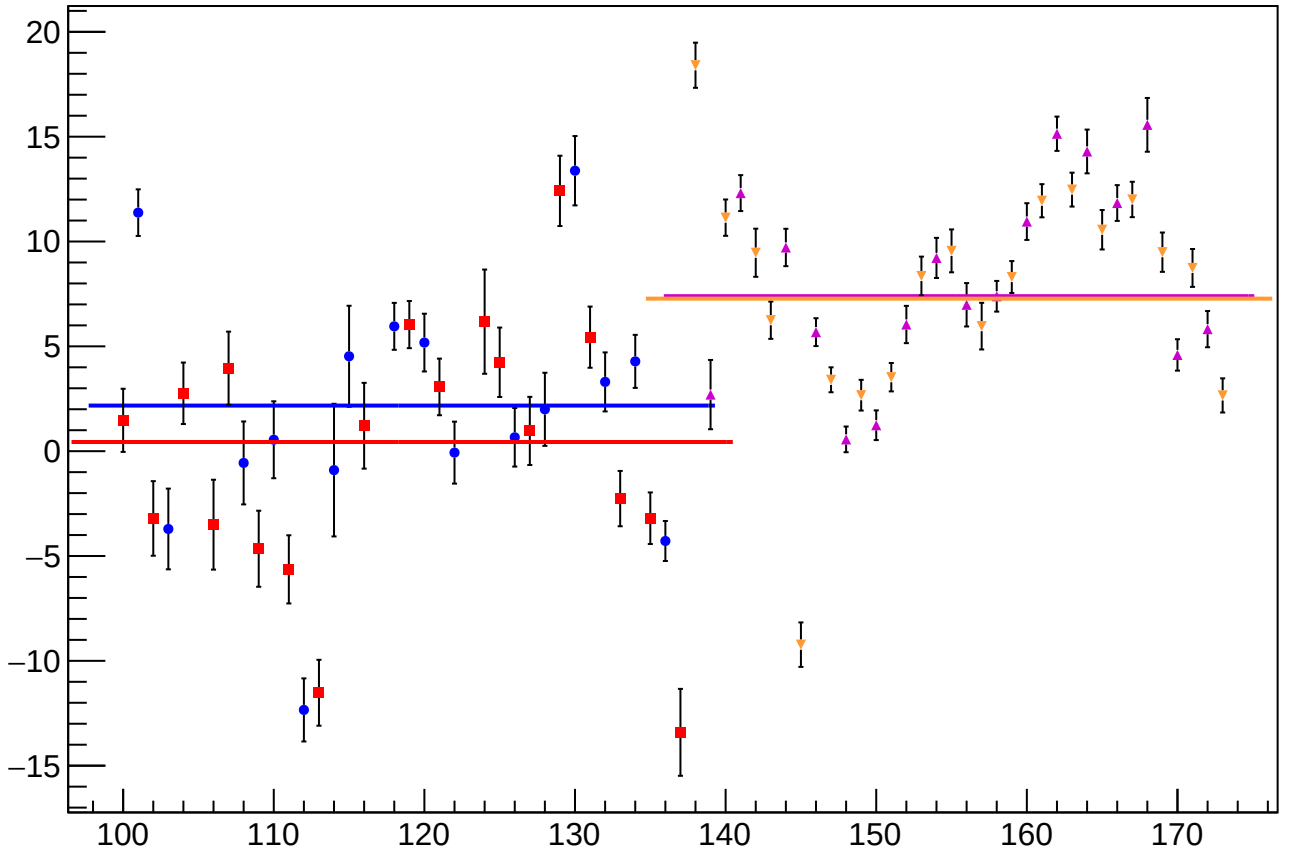
Left: 64.985+/-0.173 χ^2/NDF: 1856.9/35

Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

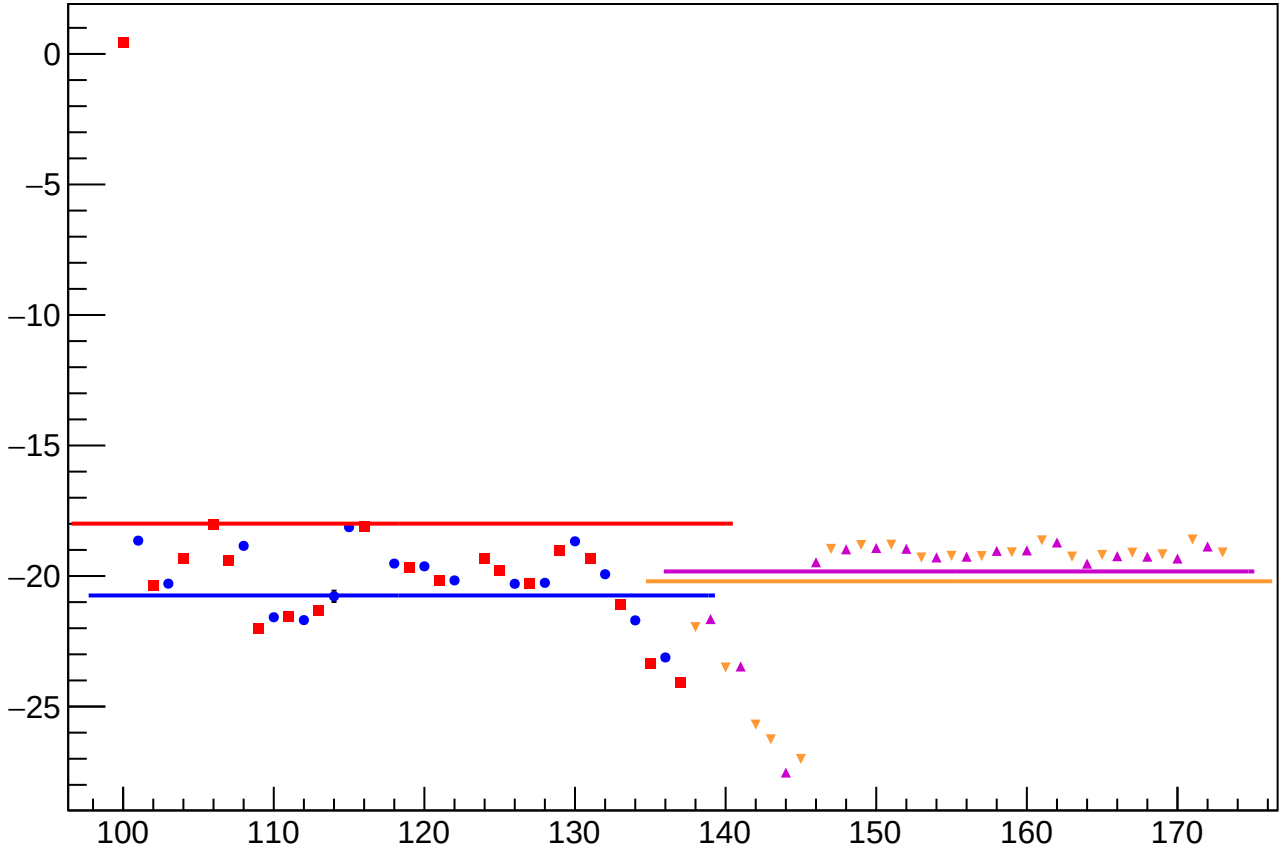
In: 69.382+/-0.200 χ^2/NDF:3882.0/32

Out: 67.323+/-0.195 χ^2/NDF:8168.8/37

All: 68.324+/-0.139 χ^2/NDF: 12105.3/70


reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
170
Right In: 2.175+/-0.364 χ²/NDF: 290.3/15
Left Out: 7.276+/-0.195 χ²/NDF:656.1/18
Right Out: 0.438+/-0.362 χ²/NDF: 254.1/18
Left In: 7.393+/-0.205 χ²/NDF:495.4/16
Left: 7.331+/-0.141 χ²/NDF: 1151.6/35
Right: 1.302+/-0.257 χ²/NDF: 555.9/34
In: 6.138+/-0.178 χ²/NDF:942.1/32
Out: 5.732+/-0.172 χ²/NDF:1186.6/37
All: 5.928+/-0.124 χ²/NDF: 2131.3/70

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -20.201+/-0.009 χ^2/NDF:73227.7/18

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

Left In: -19.825+/-0.009 χ^2/NDF:42153.2/16

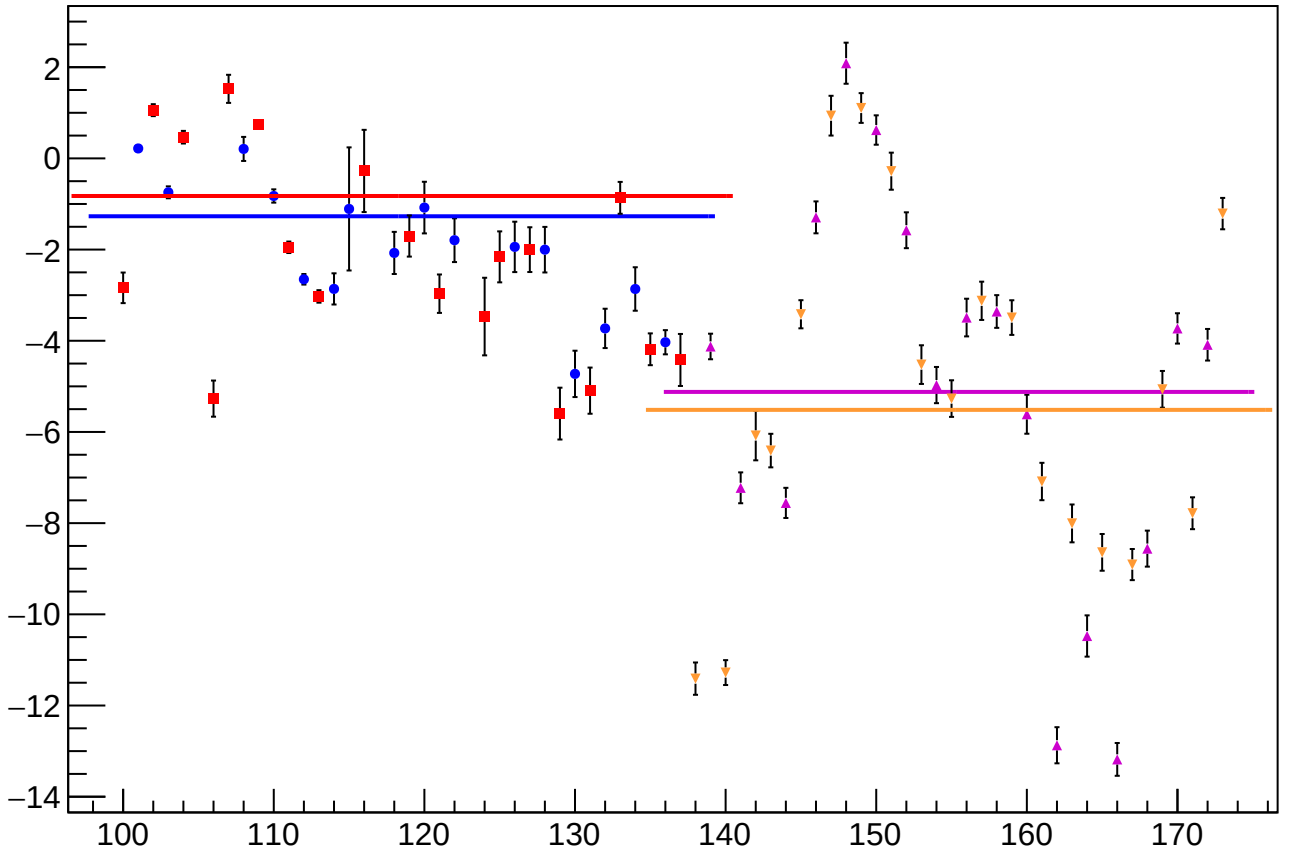
Left: -20.017+/-0.006 χ^2/NDF: 116219.5/35

Right: -19.328+/-0.014 χ^2/NDF: 168397.6/34

In: -19.995+/-0.008 χ^2/NDF:51487.7/32

Out: -19.787+/-0.008 χ^2/NDF:234918.2/37

All: -19.888+/-0.006 χ^2/NDF: 286724.1/70



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.516+/-0.085 χ^2/NDF:2048.5/18

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -5.122+/-0.088 χ^2/NDF:2048.0/16

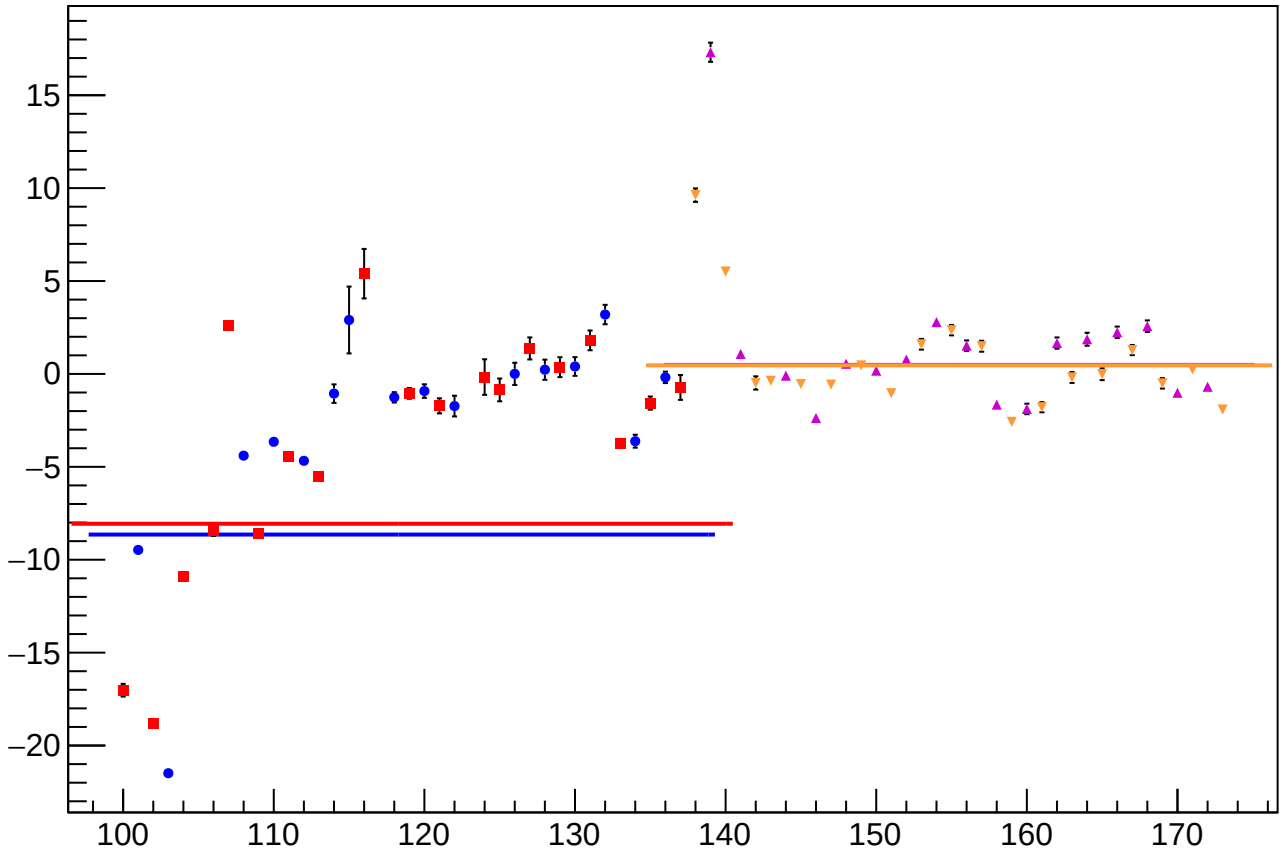
Left: -5.325+/-0.061 χ^2/NDF: 4106.7/35

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -2.331+/-0.046 χ^2/NDF:4040.0/32

Out: -2.059+/-0.044 χ^2/NDF:5654.6/37

All: -2.187+/-0.032 χ^2/NDF: 9712.8/70



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 0.462+/-0.061 χ^2/NDF:1609.9/18

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.486+/-0.064 χ^2/NDF:1662.7/16

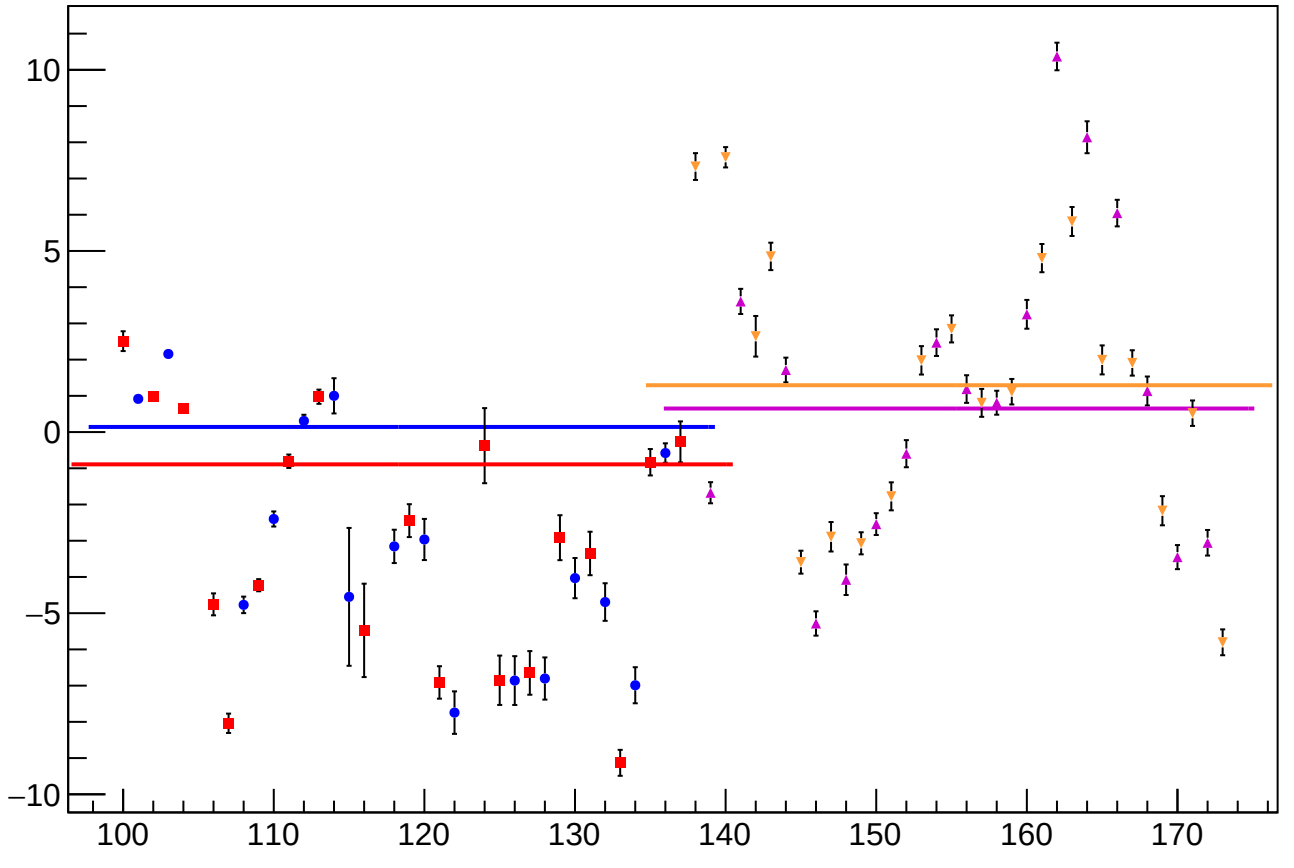
Left: 0.474+/-0.044 χ^2/NDF: 3272.7/35

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -4.625+/-0.043 χ^2/NDF:26814.0/32

Out: -4.035+/-0.042 χ^2/NDF:26423.6/37

All: -4.324+/-0.030 χ^2/NDF: 53335.4/70



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.293+/-0.084 χ^2/NDF:2186.3/18

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: 0.650+/-0.086 χ^2/NDF:2195.2/16

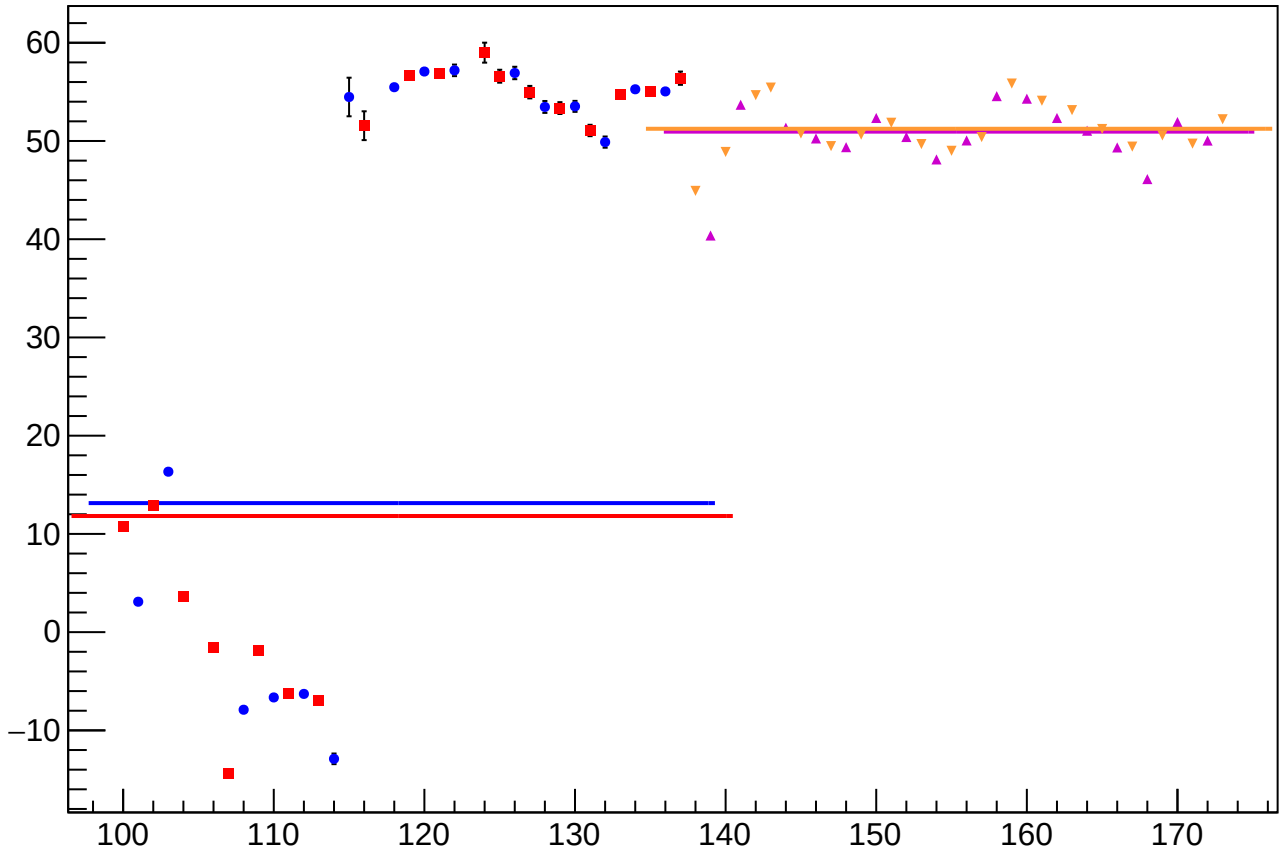
Left: 0.981+/-0.060 χ^2/NDF: 4410.0/35

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.280+/-0.045 χ^2/NDF:4180.1/32

Out: -0.260+/-0.045 χ^2/NDF:5651.8/37

All: 0.011+/-0.032 χ^2/NDF: 9903.2/70



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.243+/-0.070 χ^2/NDF:1185.2/18

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 50.952+/-0.073 χ^2/NDF:1267.8/16

Left: 51.105+/-0.050 χ^2/NDF: 2461.4/35

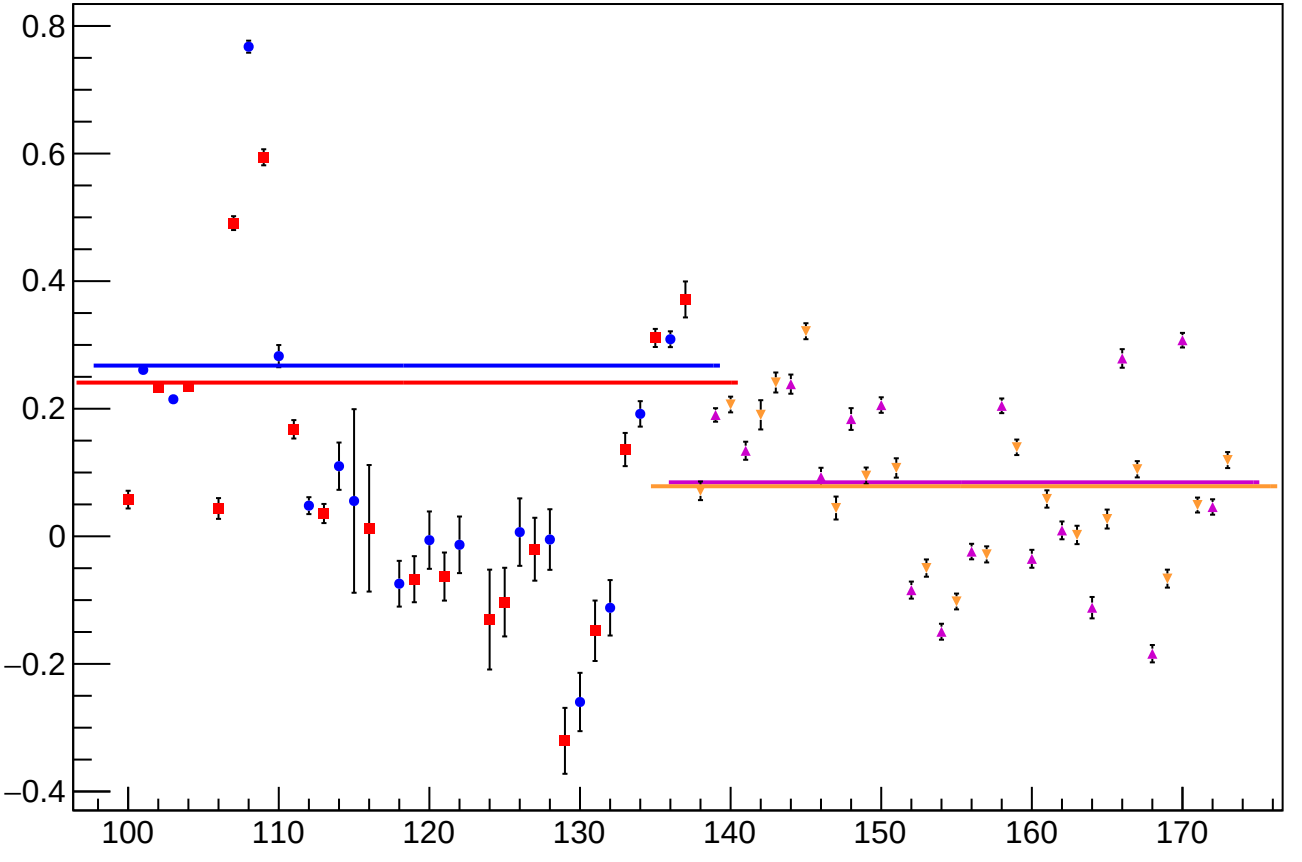
Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 30.640+/-0.050 χ^2/NDF:253226.9/32

Out: 30.996+/-0.049 χ^2/NDF:283554.5/37

All: 30.822+/-0.035 χ^2/NDF: 536807.7/70

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.078+/-0.003 χ^2/NDF:1194.2/18

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.085+/-0.003 χ^2/NDF:2243.1/16

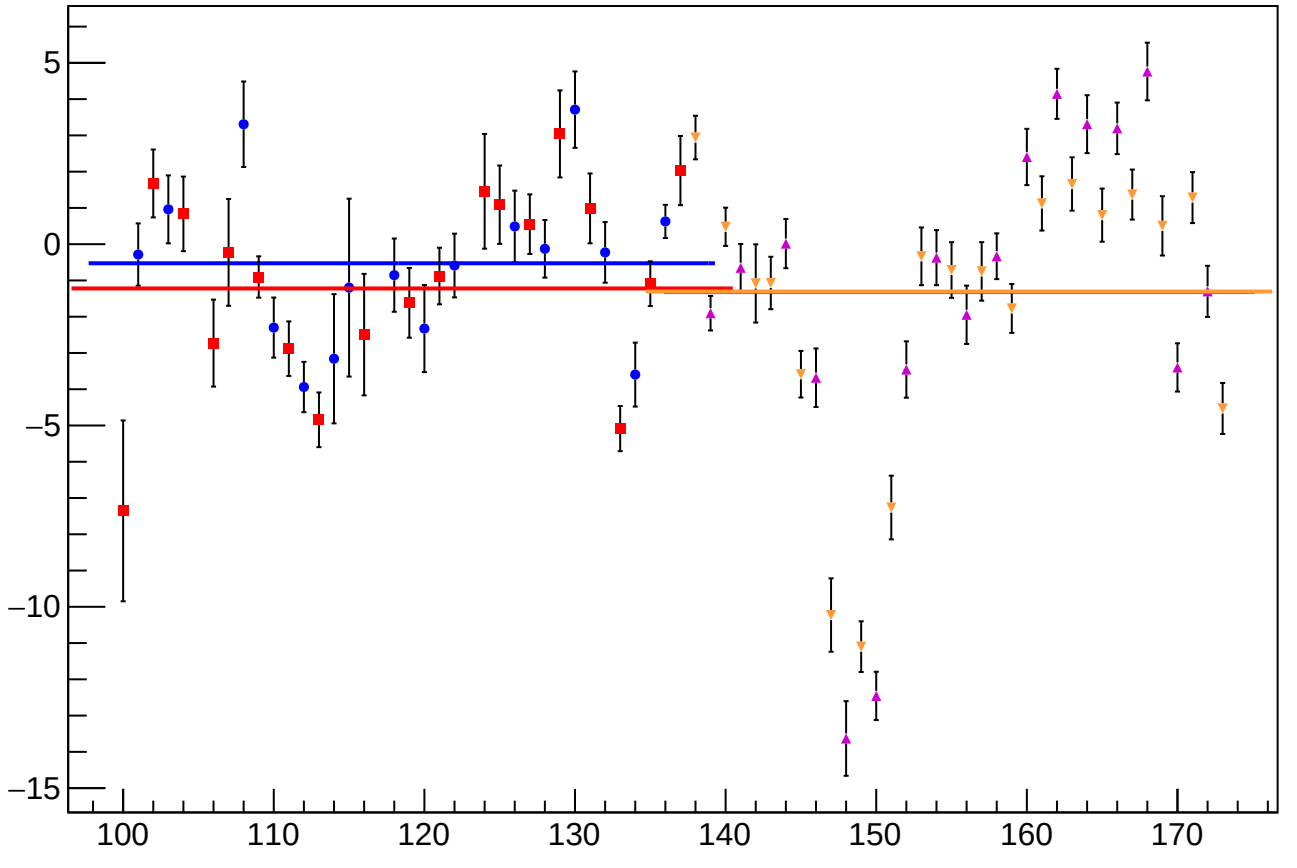
Left: 0.081+/-0.002 χ^2/NDF: 3439.1/35

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.188+/-0.002 χ^2/NDF:7822.0/32

Out: 0.170+/-0.002 χ^2/NDF:5054.3/37

All: 0.179+/-0.001 χ^2/NDF: 12913.8/70



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -1.306+/-0.167 χ^2/NDF:486.8/18

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -1.321+/-0.171 χ^2/NDF:677.7/16

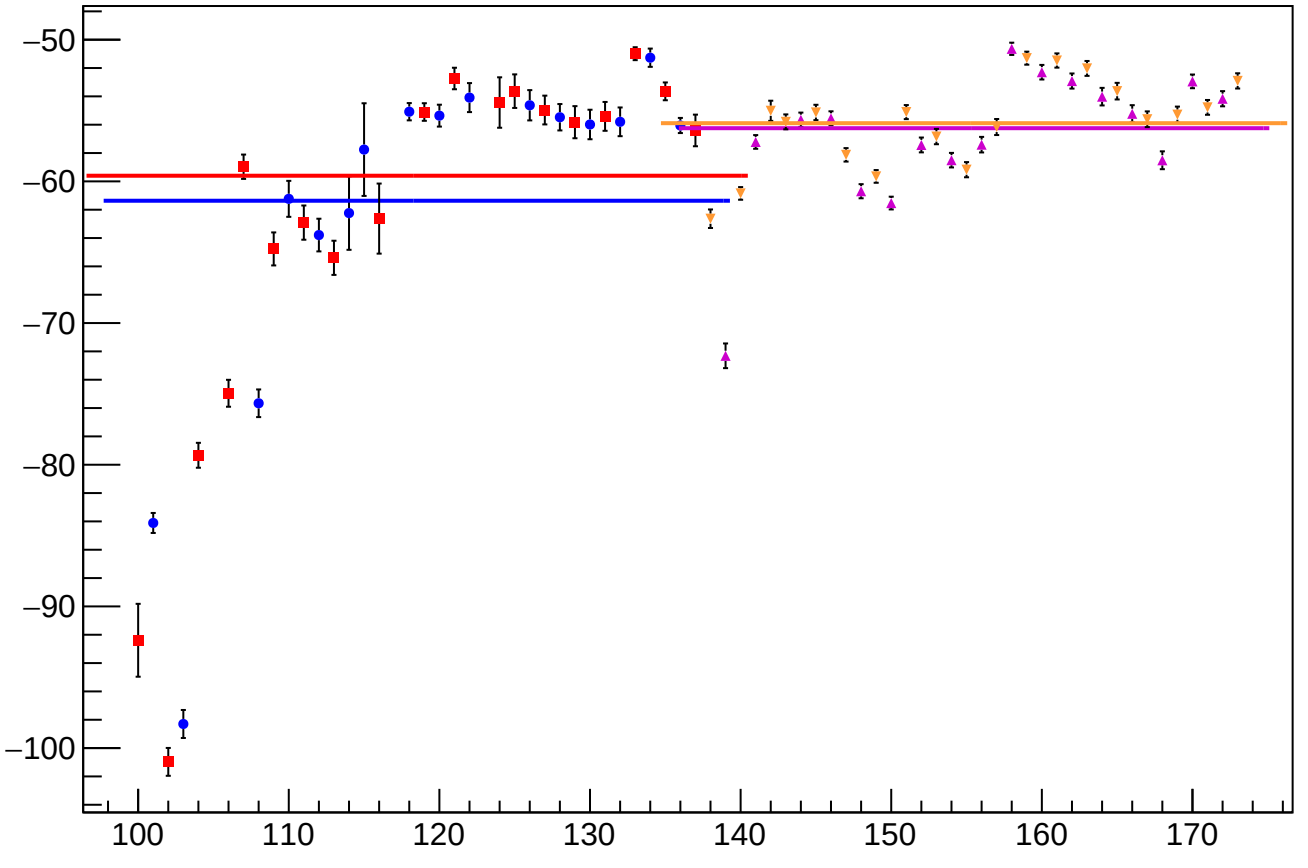
Left: -1.313+/-0.119 χ^2/NDF: 1164.4/35

Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -1.017+/-0.134 χ^2/NDF:768.7/32

Out: -1.272+/-0.129 χ^2/NDF:617.8/37

All: -1.150+/-0.093 χ^2/NDF: 1388.3/70



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -55.893+/-0.121 χ^2/NDF:650.7/18

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -56.247+/-0.128 χ^2/NDF:949.2/16

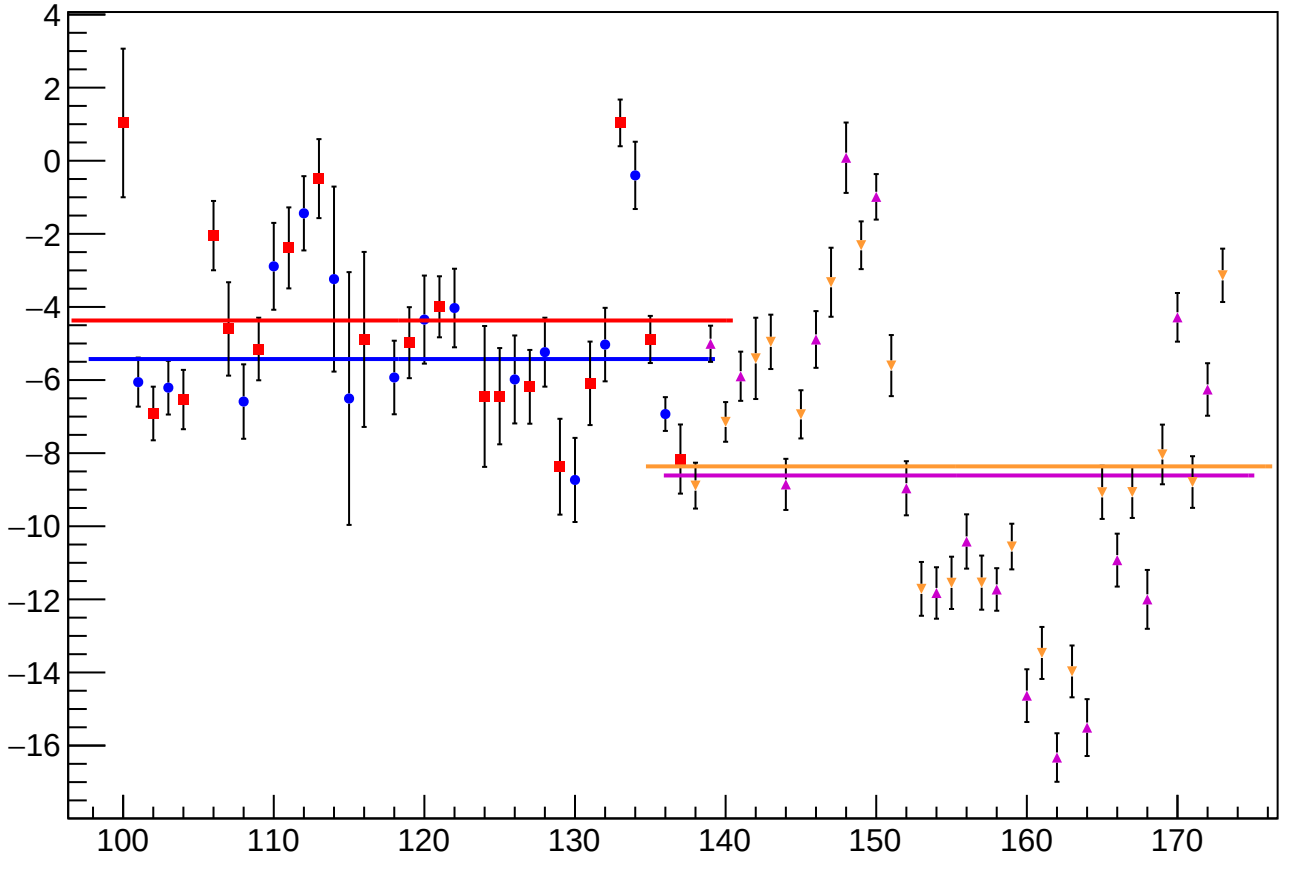
Left: -56.060+/-0.088 χ^2/NDF: 1603.9/35

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -57.544+/-0.110 χ^2/NDF:4708.4/32

Out: -56.838+/-0.104 χ^2/NDF:4312.0/37

All: -57.172+/-0.076 χ^2/NDF: 9042.0/70



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -8.362+/-0.164 χ^2/NDF:402.7/18

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -8.611+/-0.167 χ^2/NDF:743.7/16

Left: -8.484+/-0.117 χ^2/NDF: 1147.6/35

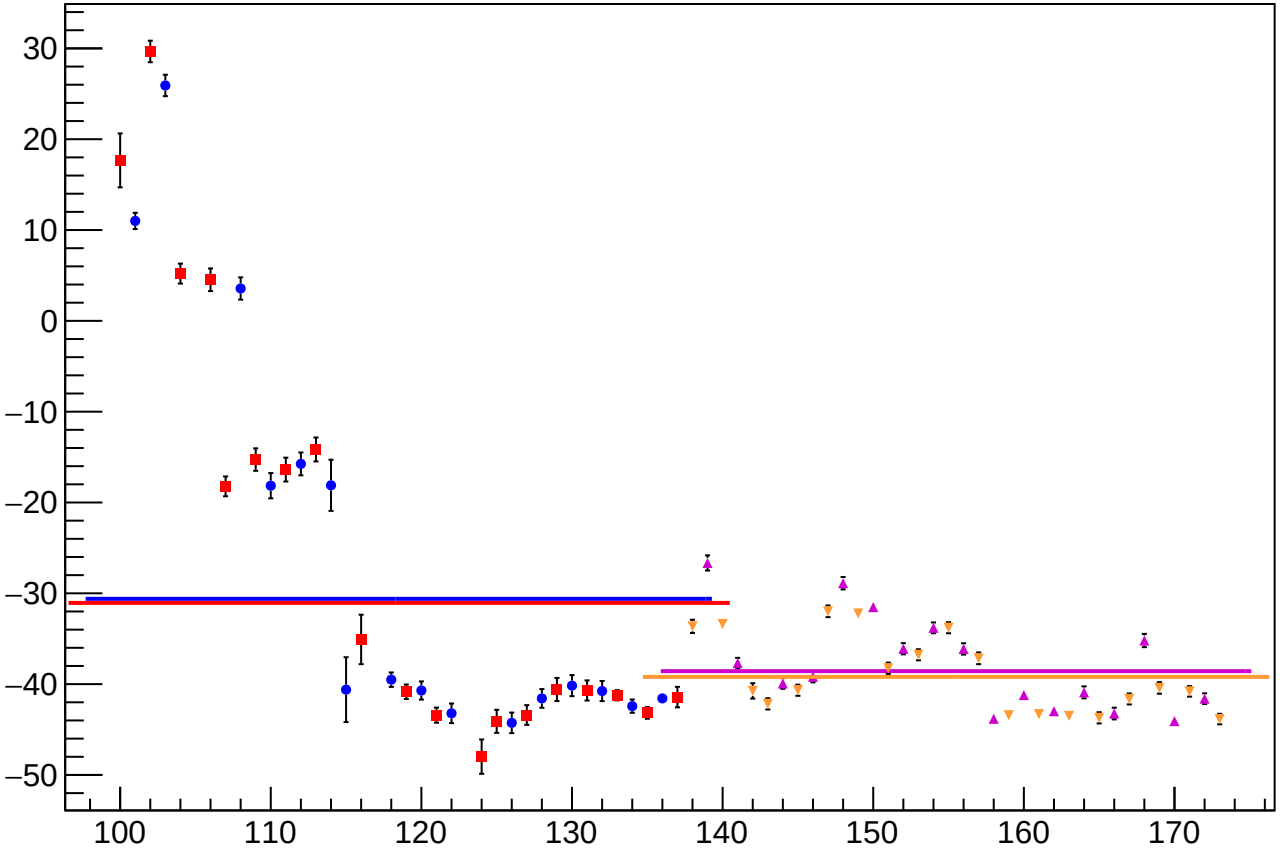
Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -7.508+/-0.135 χ^2/NDF:945.2/32

Out: -6.957+/-0.132 χ^2/NDF:767.8/37

All: -7.226+/-0.094 χ^2/NDF: 1721.5/70

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: -39.202+/-0.137 χ^2/NDF:949.8/18

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -38.573+/-0.144 χ^2/NDF:1134.6/16

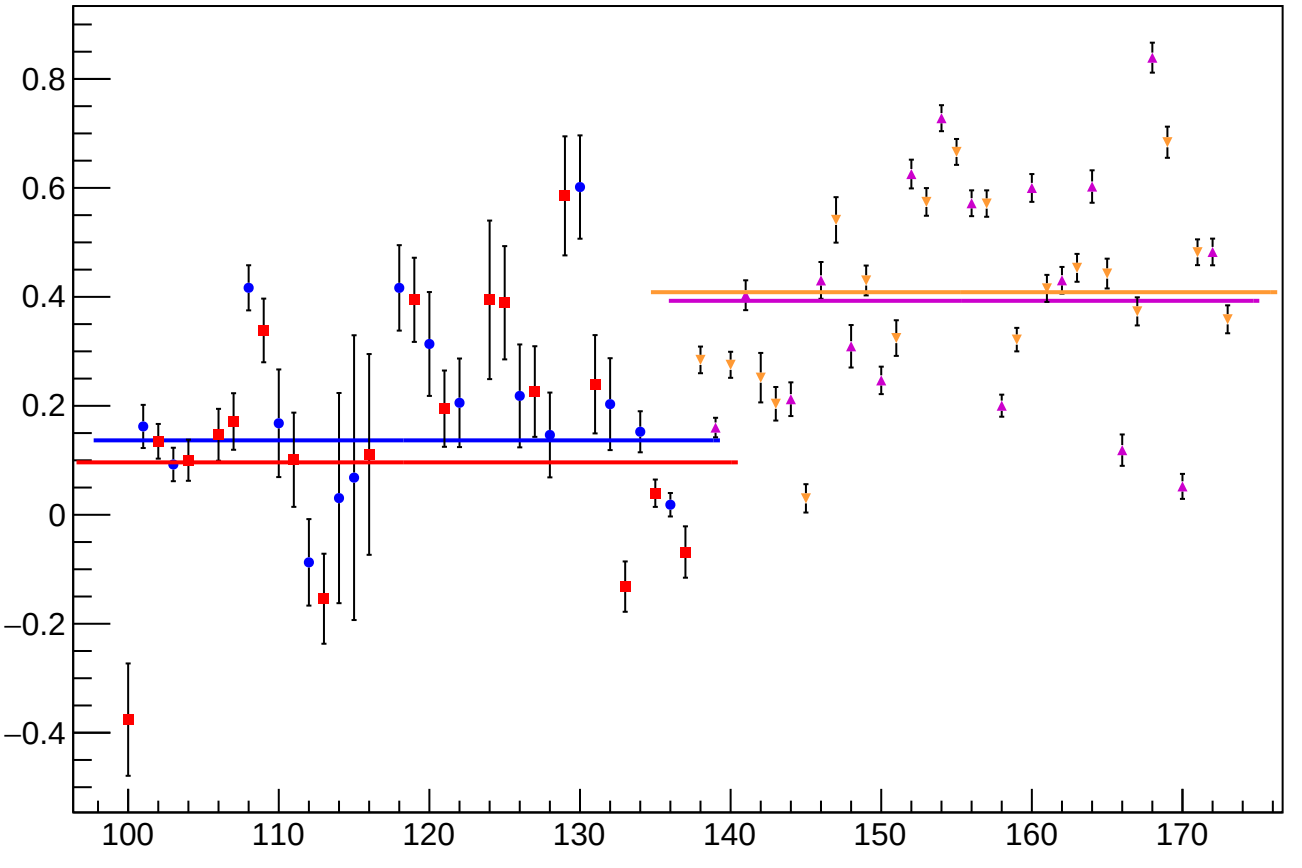
Left: -38.902+/-0.099 χ^2/NDF: 2094.4/35

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -36.586+/-0.125 χ^2/NDF:8838.8/32

Out: -37.164+/-0.119 χ^2/NDF:8806.4/37

All: -36.888+/-0.086 χ^2/NDF: 17656.5/70



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.409+/-0.006 χ^2/NDF:675.5/18

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

Left In: 0.393+/-0.006 χ^2/NDF:1369.8/16

Left: 0.401+/-0.004 χ^2/NDF: 2048.6/35

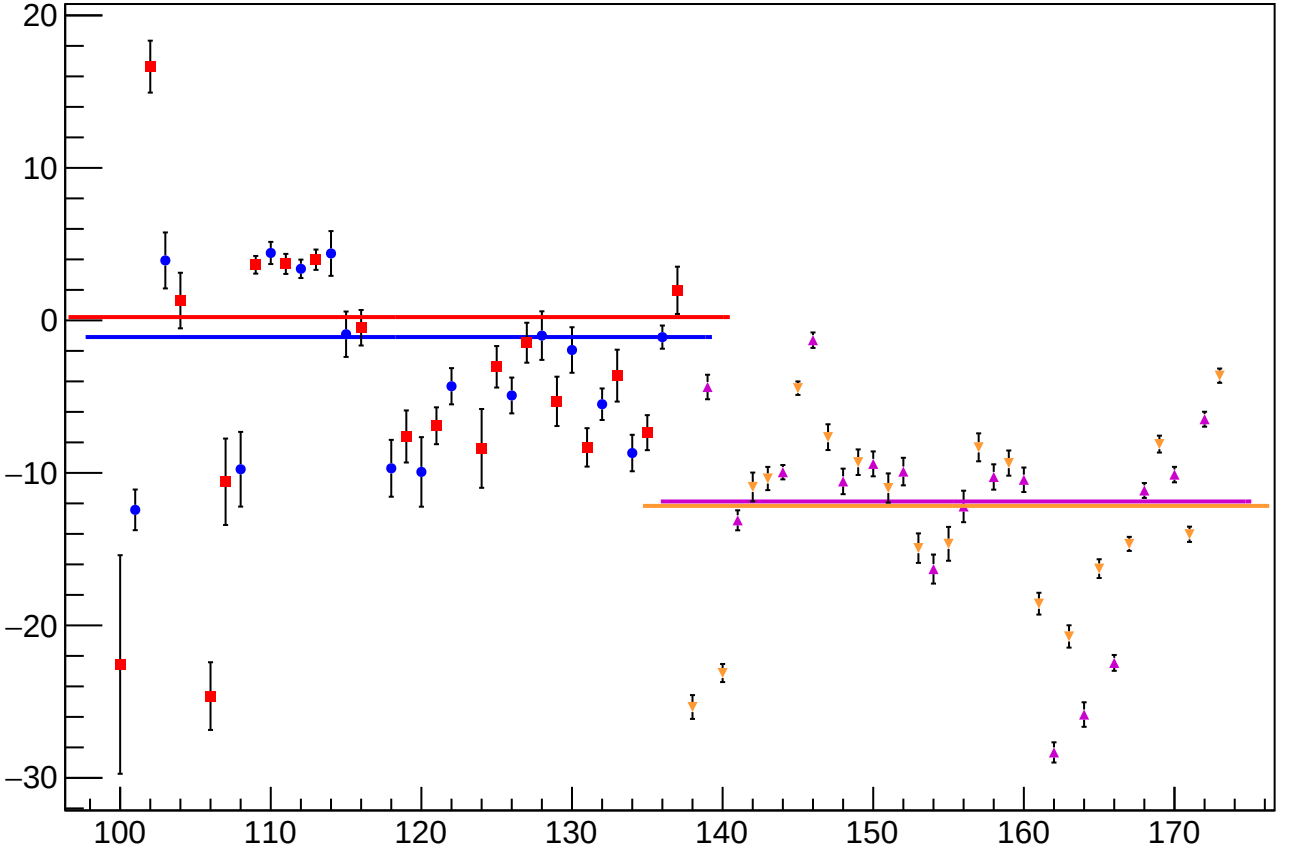
Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.343+/-0.006 χ^2/NDF:1837.0/32

Out: 0.347+/-0.005 χ^2/NDF:1338.2/37

All: 0.345+/-0.004 χ^2/NDF: 3175.6/70

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -12.165+/-0.151 χ^2/NDF:1714.0/18

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -11.874+/-0.156 χ^2/NDF:2056.4/16

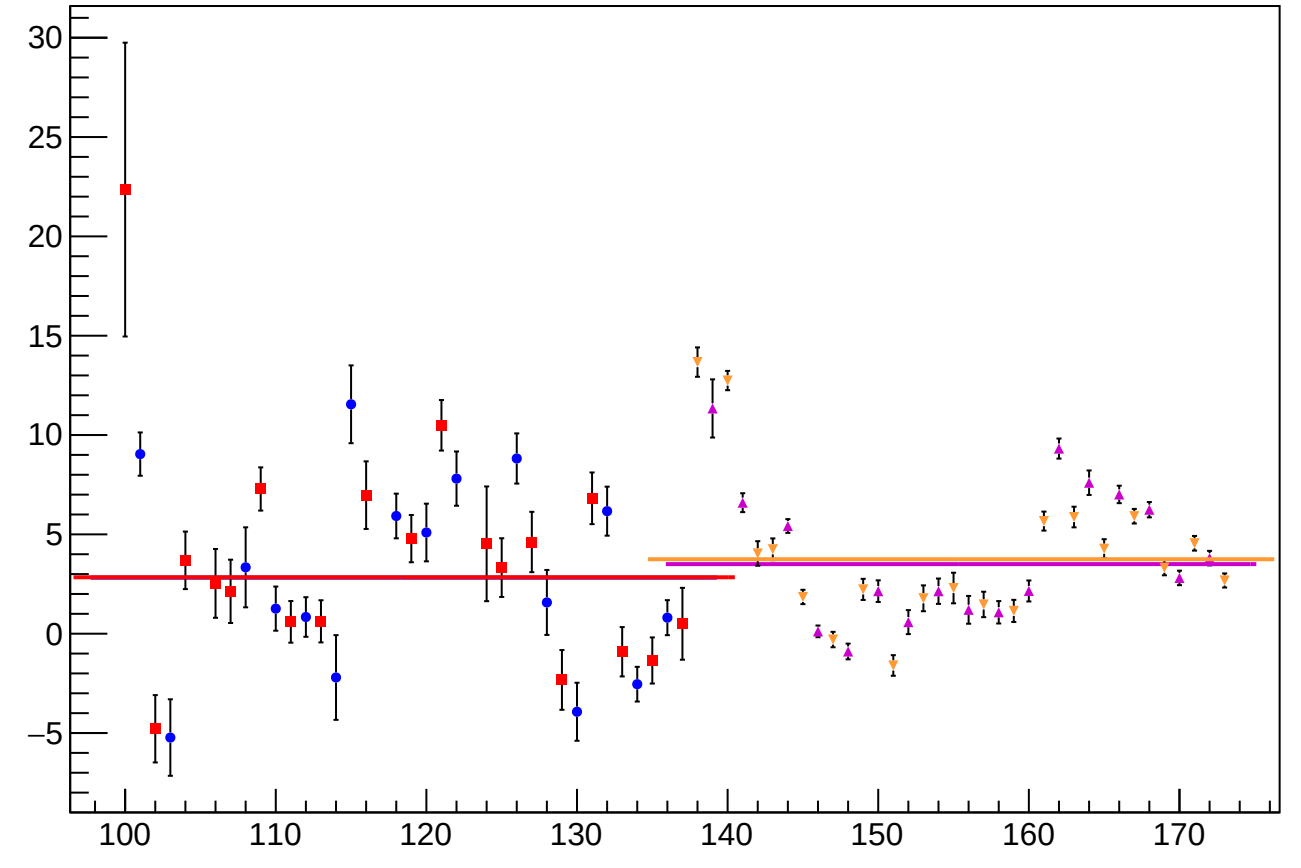
Left: -12.024+/-0.108 χ^2/NDF: 3772.2/35

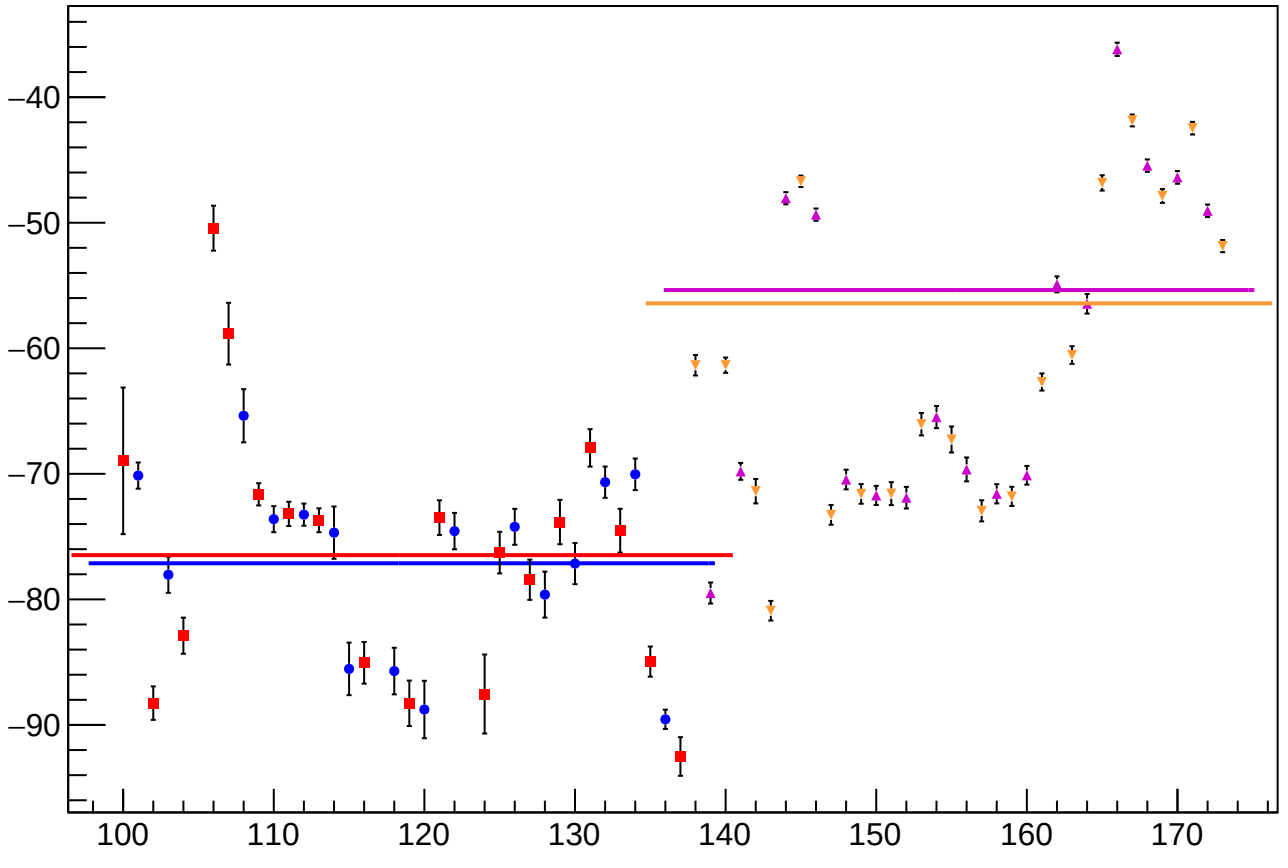
Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -9.334+/-0.136 χ^2/NDF:3517.0/32

Out: -9.150+/-0.131 χ^2/NDF:3871.5/37

All: -9.239+/-0.095 χ^2/NDF: 7389.5/70


reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
Right In: 2.823+/-0.313 χ²/NDF: 199.6/15
Left Out: 3.748+/-0.108 χ²/NDF:904.7/18
Right Out: 2.840+/-0.322 χ²/NDF: 145.0/18
Left In: 3.502+/-0.111 χ²/NDF:722.6/16
Left: 3.628+/-0.077 χ²/NDF: 1629.7/35
Right: 2.831+/-0.225 χ²/NDF: 344.5/34
In: 3.427+/-0.104 χ²/NDF:926.3/32
Out: 3.656+/-0.103 χ²/NDF:1056.7/37
All: 3.543+/-0.073 χ²/NDF: 1985.5/70



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -56.421+/-0.150 χ^2/NDF:6301.5/18

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -55.362+/-0.154 χ^2/NDF:6254.1/16

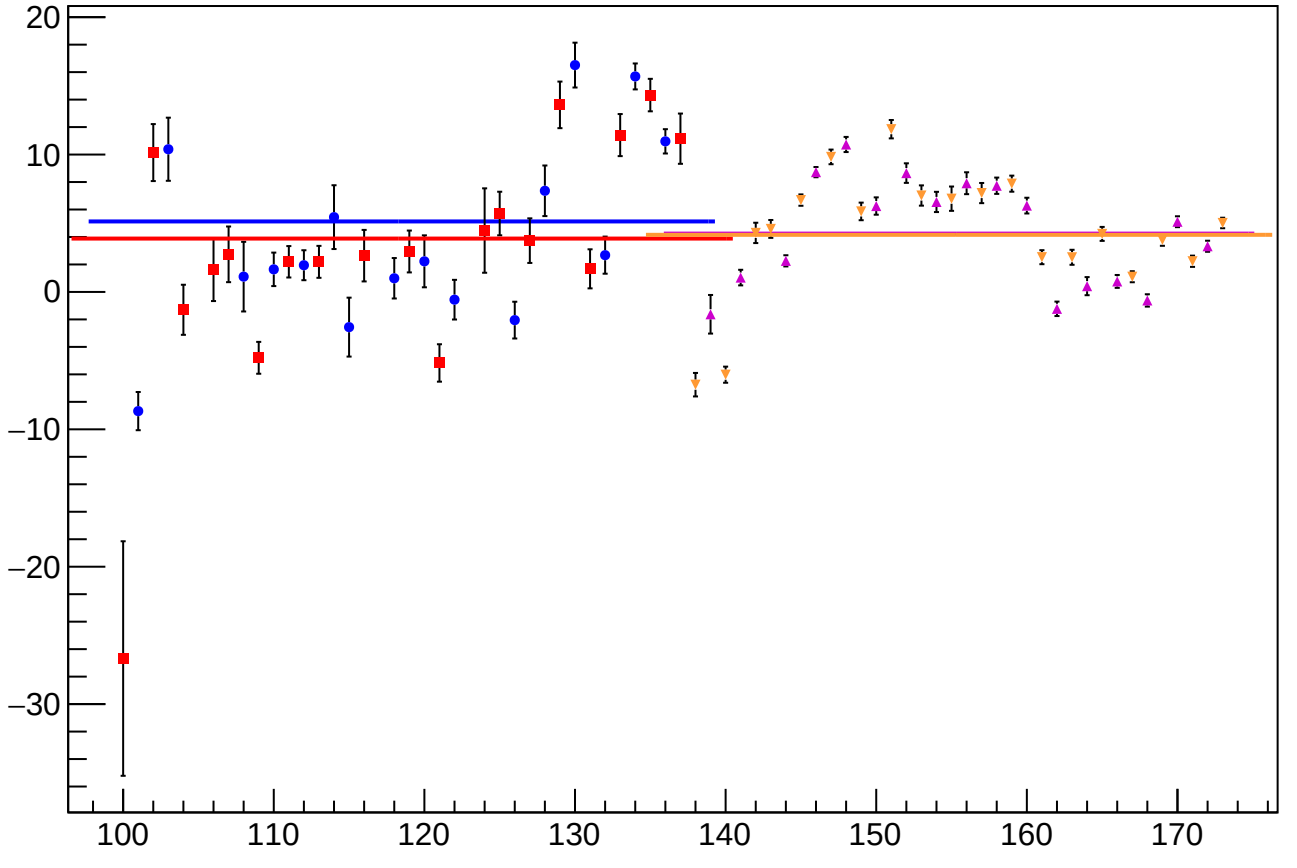
Left: -55.904+/-0.108 χ^2/NDF: 12579.8/35

Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -59.318+/-0.139 χ^2/NDF:10396.7/32

Out: -59.898+/-0.137 χ^2/NDF:10078.1/37

All: -59.613+/-0.098 χ^2/NDF: 20483.7/70



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 4.158+/-0.123 χ^2/NDF:940.7/18

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 4.246+/-0.127 χ^2/NDF:807.2/16

Left: 4.201+/-0.088 χ^2/NDF: 1748.2/35

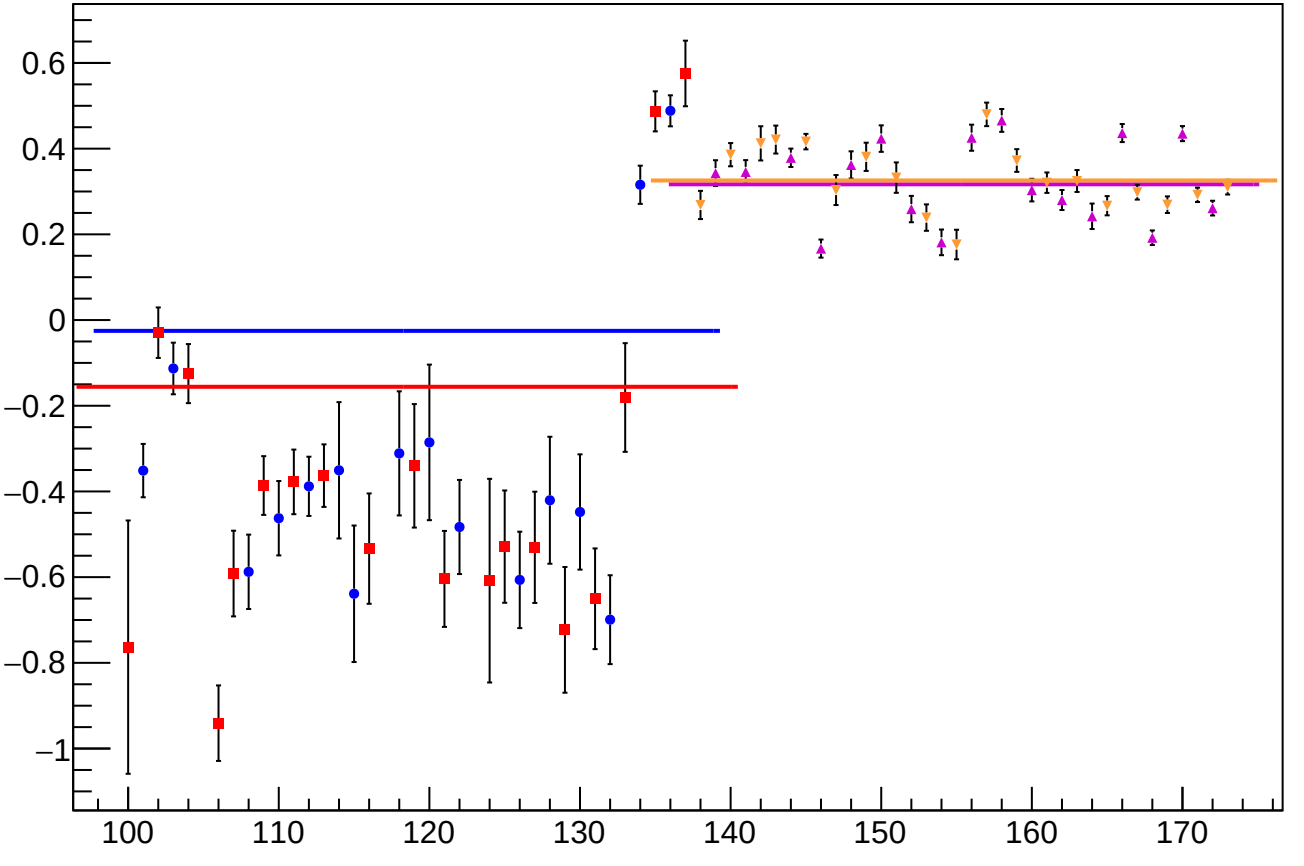
Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 4.349+/-0.119 χ^2/NDF:1225.2/32

Out: 4.129+/-0.117 χ^2/NDF:1232.7/37

All: 4.237+/-0.083 χ^2/NDF: 2459.7/70

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.326+/-0.006 χ^2/NDF:133.7/18

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.317+/-0.006 χ^2/NDF:293.2/16

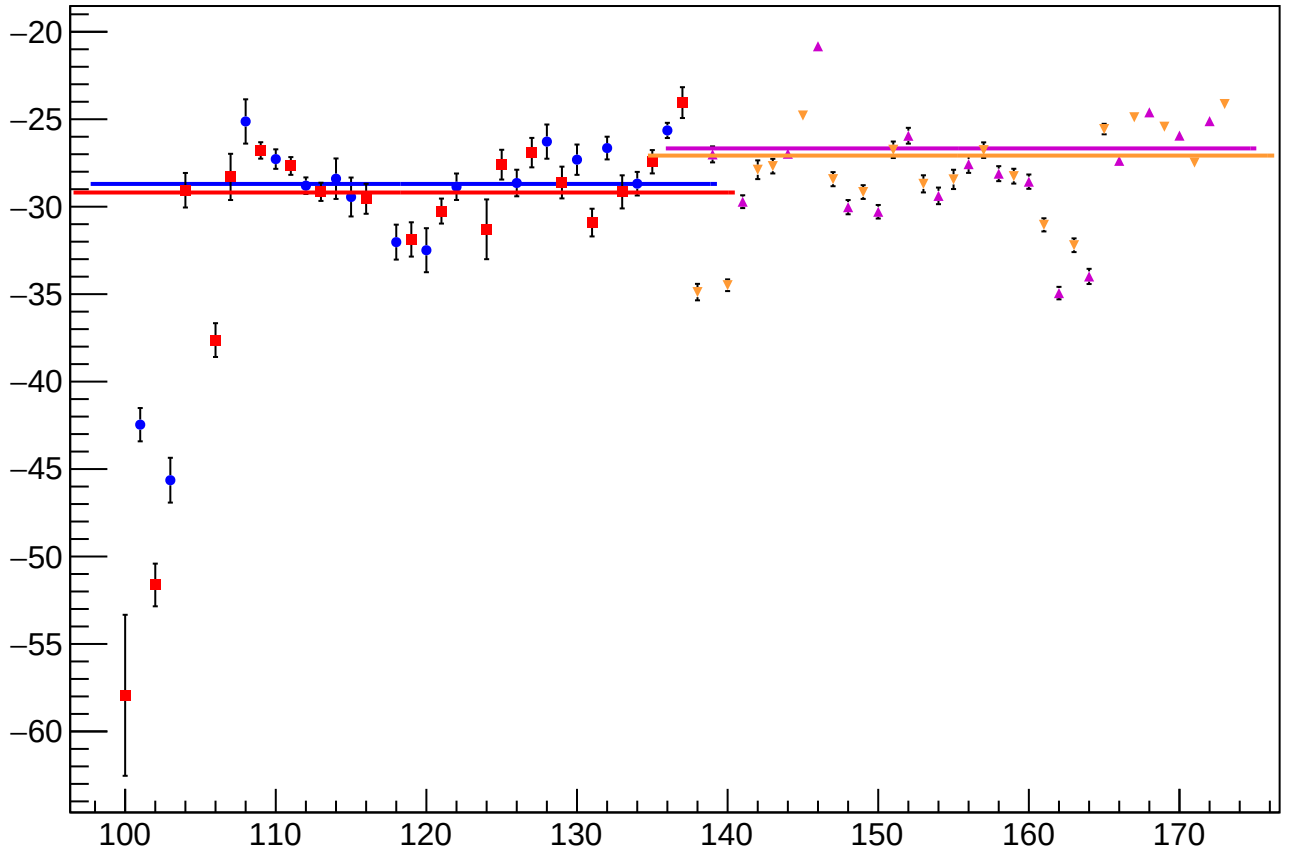
Left: 0.321+/-0.004 χ^2/NDF: 428.1/35

Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.288+/-0.006 χ^2/NDF:1104.1/32

Out: 0.292+/-0.005 χ^2/NDF:1156.1/37

All: 0.290+/-0.004 χ^2/NDF: 2260.5/70



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -27.077+/-0.073 χ^2/NDF:1613.9/18

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -26.668+/-0.074 χ^2/NDF:2070.6/16

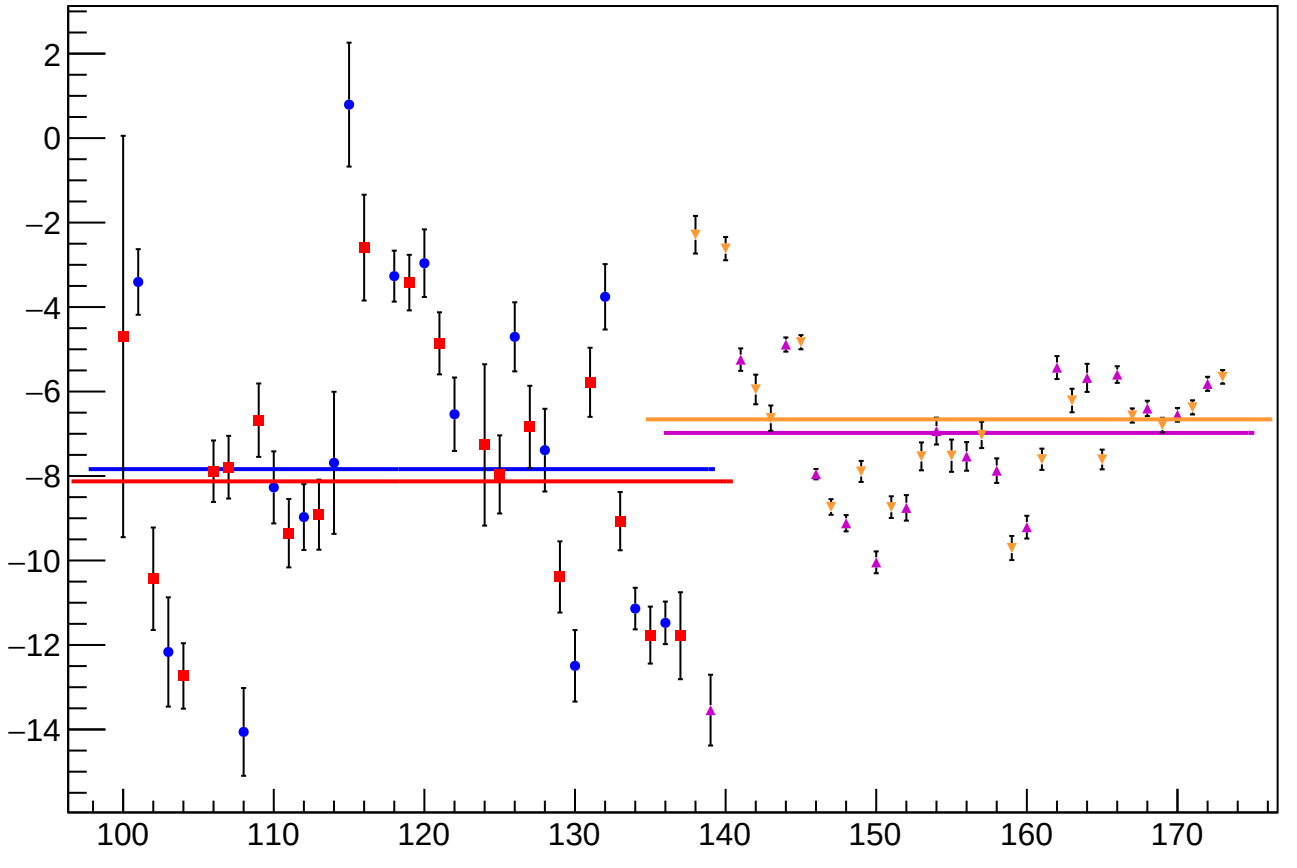
Left: -26.875+/-0.052 χ^2/NDF: 3700.0/35

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -26.945+/-0.069 χ^2/NDF:2660.9/32

Out: -27.373+/-0.068 χ^2/NDF:2288.0/37

All: -27.162+/-0.048 χ^2/NDF: 4968.5/70



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.658+/-0.053 χ^2/NDF:854.1/18

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -6.980+/-0.052 χ^2/NDF:863.0/16

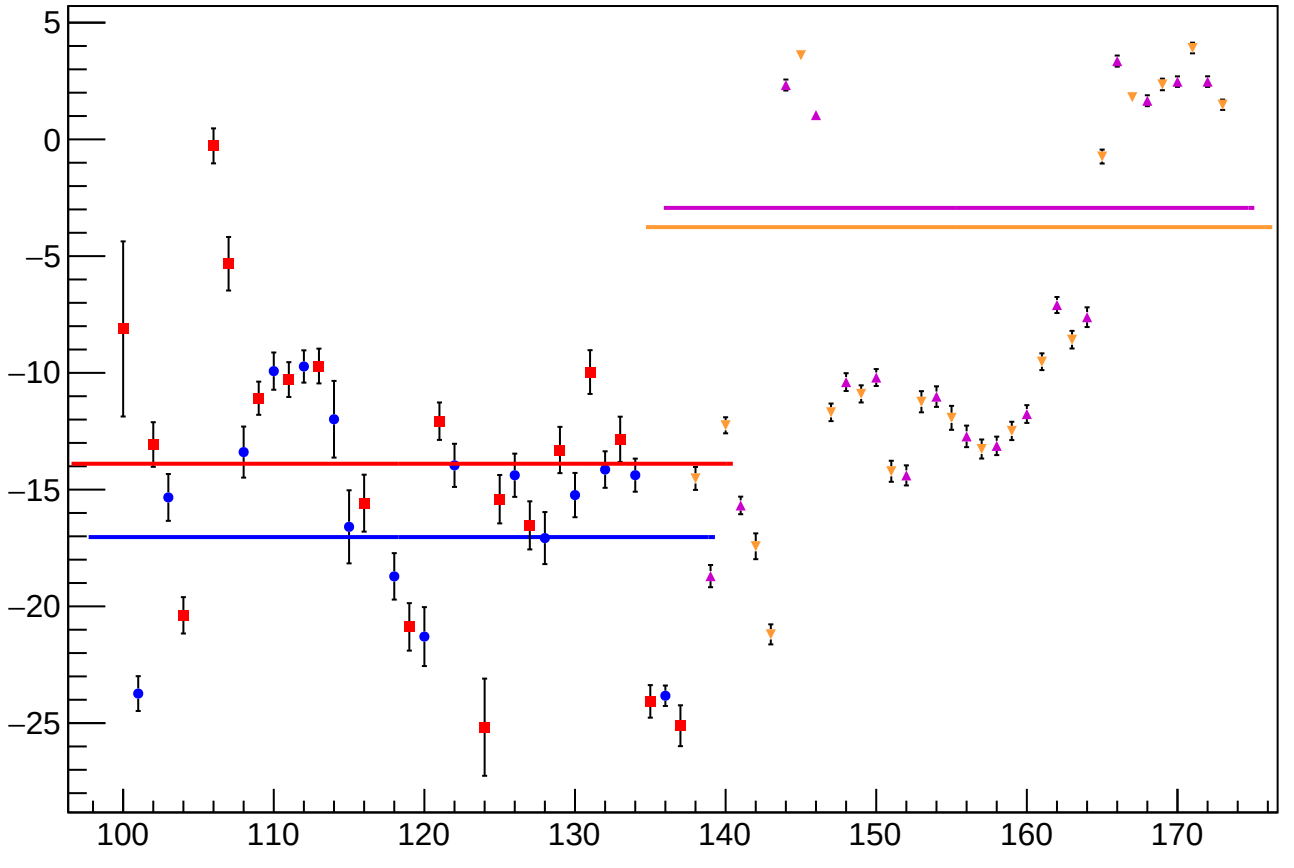
Left: -6.820+/-0.037 χ^2/NDF: 1736.0/35

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -7.037+/-0.050 χ^2/NDF:1264.3/32

Out: -6.756+/-0.051 χ^2/NDF:1103.5/37

All: -6.898+/-0.036 χ^2/NDF: 2383.2/70



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -3.758+/-0.073 χ^2/NDF:11001.8/18

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -2.934+/-0.073 χ^2/NDF:9129.4/16

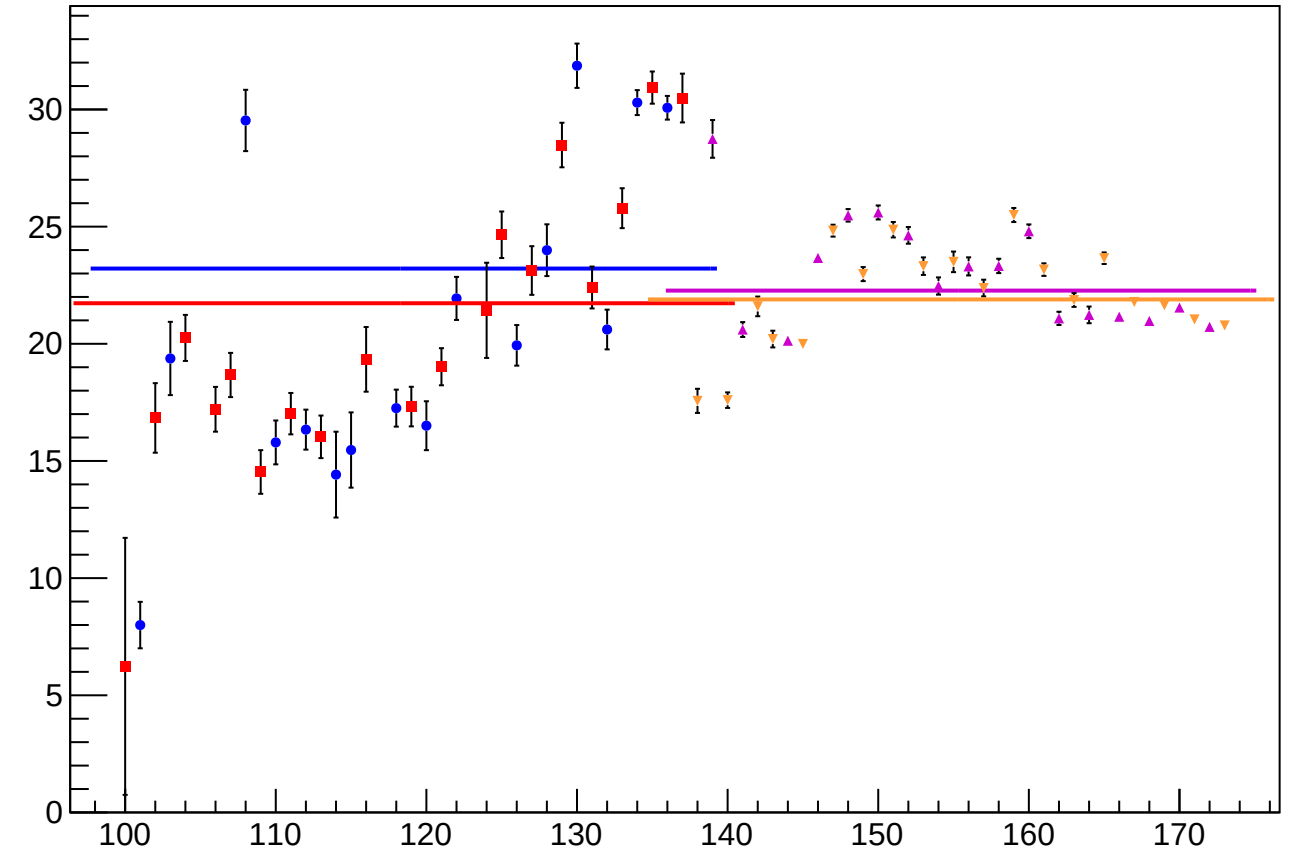
Left: -3.347+/-0.052 χ^2/NDF: 20194.9/35

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -4.465+/-0.069 χ^2/NDF:13772.6/32

Out: -4.855+/-0.069 χ^2/NDF:14109.2/37

All: -4.660+/-0.049 χ^2/NDF: 27897.8/70



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.893+/-0.060 χ^2/NDF:898.1/18

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 22.271+/-0.060 χ^2/NDF:877.5/16

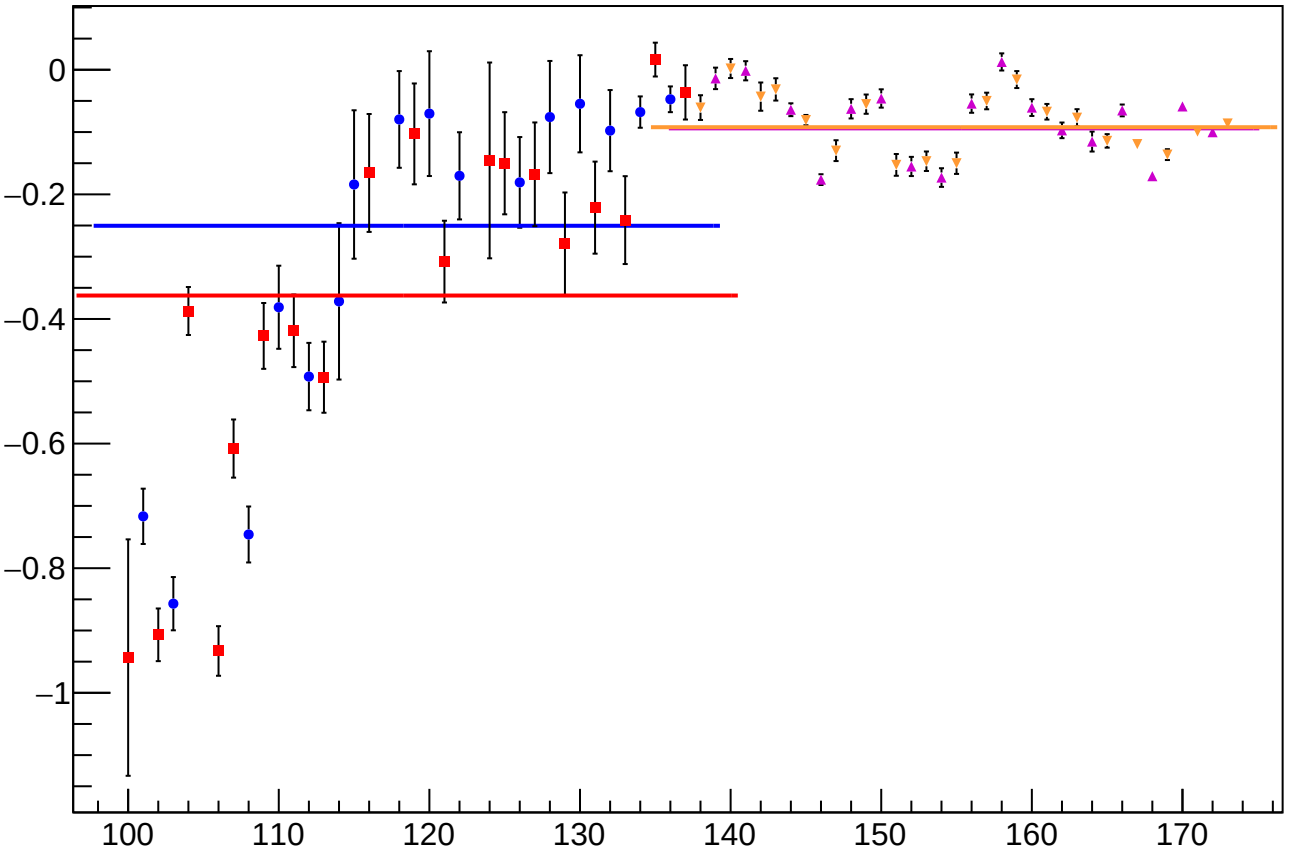
Left: 22.080+/-0.042 χ^2/NDF: 1795.5/35

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 22.337+/-0.058 χ^2/NDF:1903.0/32

Out: 21.882+/-0.058 χ^2/NDF:1456.9/37

All: 22.109+/-0.041 χ^2/NDF: 3390.7/70



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.092+/-0.003 χ^2/NDF:194.4/18

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.094+/-0.003 χ^2/NDF:413.6/16

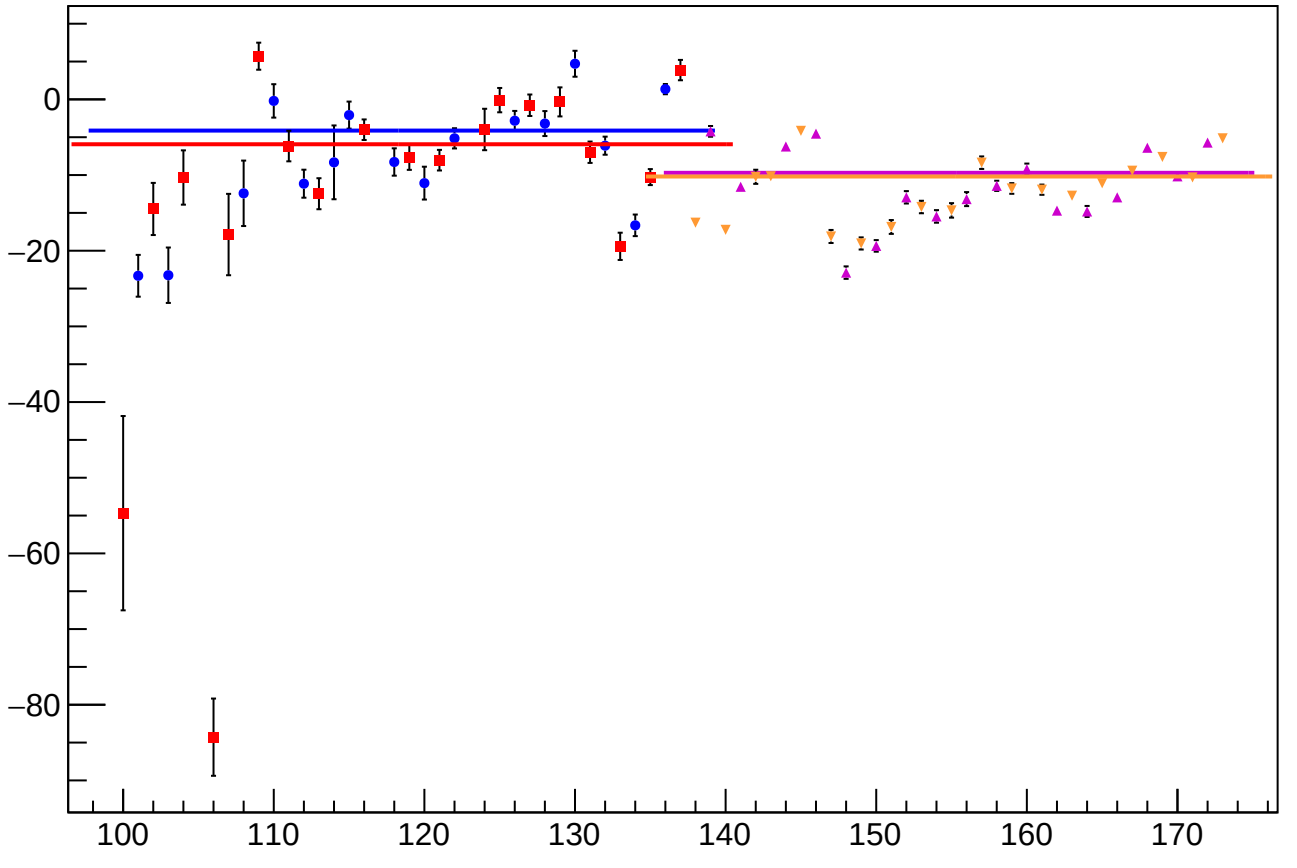
Left: -0.093+/-0.002 χ^2/NDF: 608.2/35

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.102+/-0.003 χ^2/NDF:1217.5/32

Out: -0.104+/-0.003 χ^2/NDF:1355.8/37

All: -0.103+/-0.002 χ^2/NDF: 2573.7/70



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -10.192+/-0.131 χ^2/NDF:1051.7/18

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -9.706+/-0.135 χ^2/NDF:1130.3/16

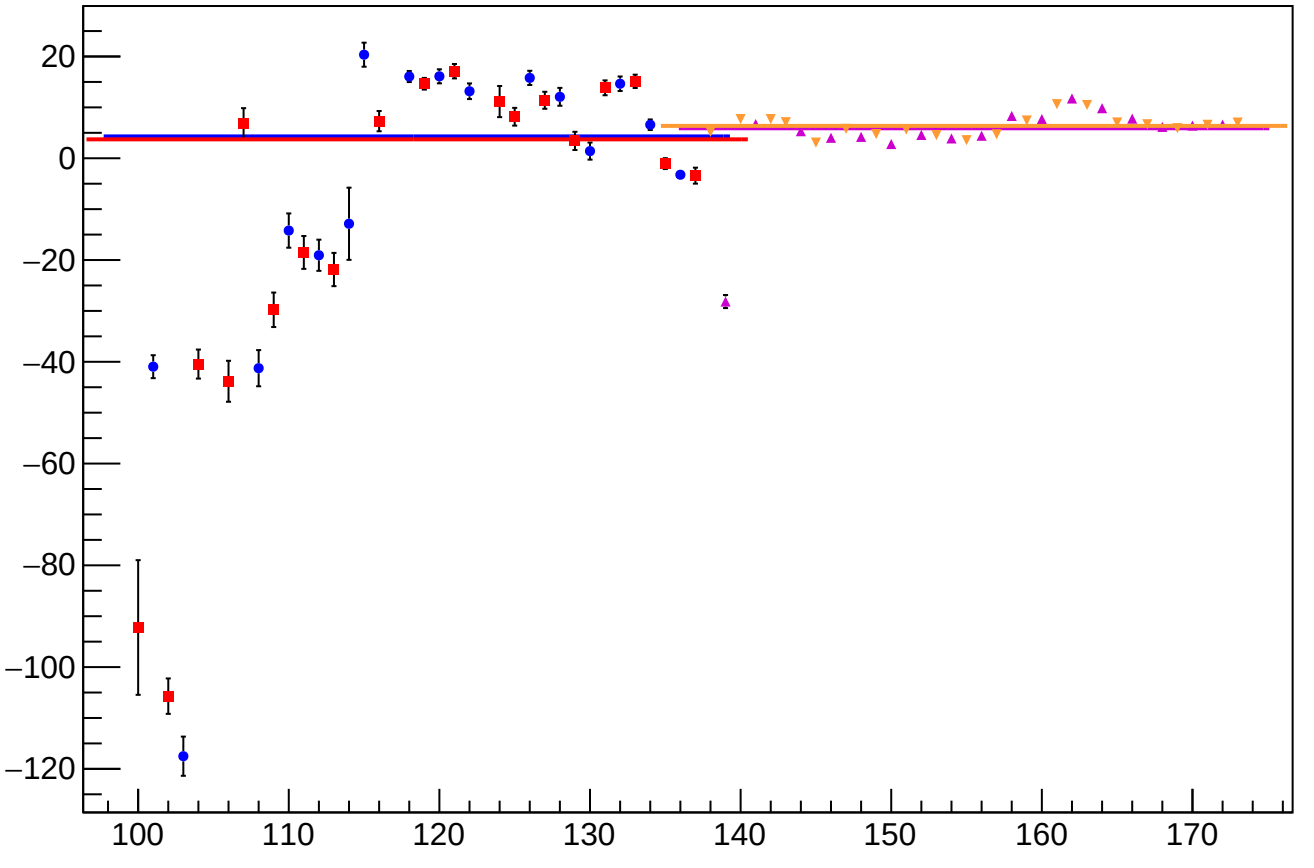
Left: -9.956+/-0.094 χ^2/NDF: 2188.8/35

Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -9.089+/-0.127 χ^2/NDF:1608.4/32

Out: -9.795+/-0.124 χ^2/NDF:1633.5/37

All: -9.449+/-0.089 χ^2/NDF: 3257.7/70



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 6.365+/-0.095 χ^2/NDF:375.1/18

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 5.892+/-0.096 χ^2/NDF:1134.7/16

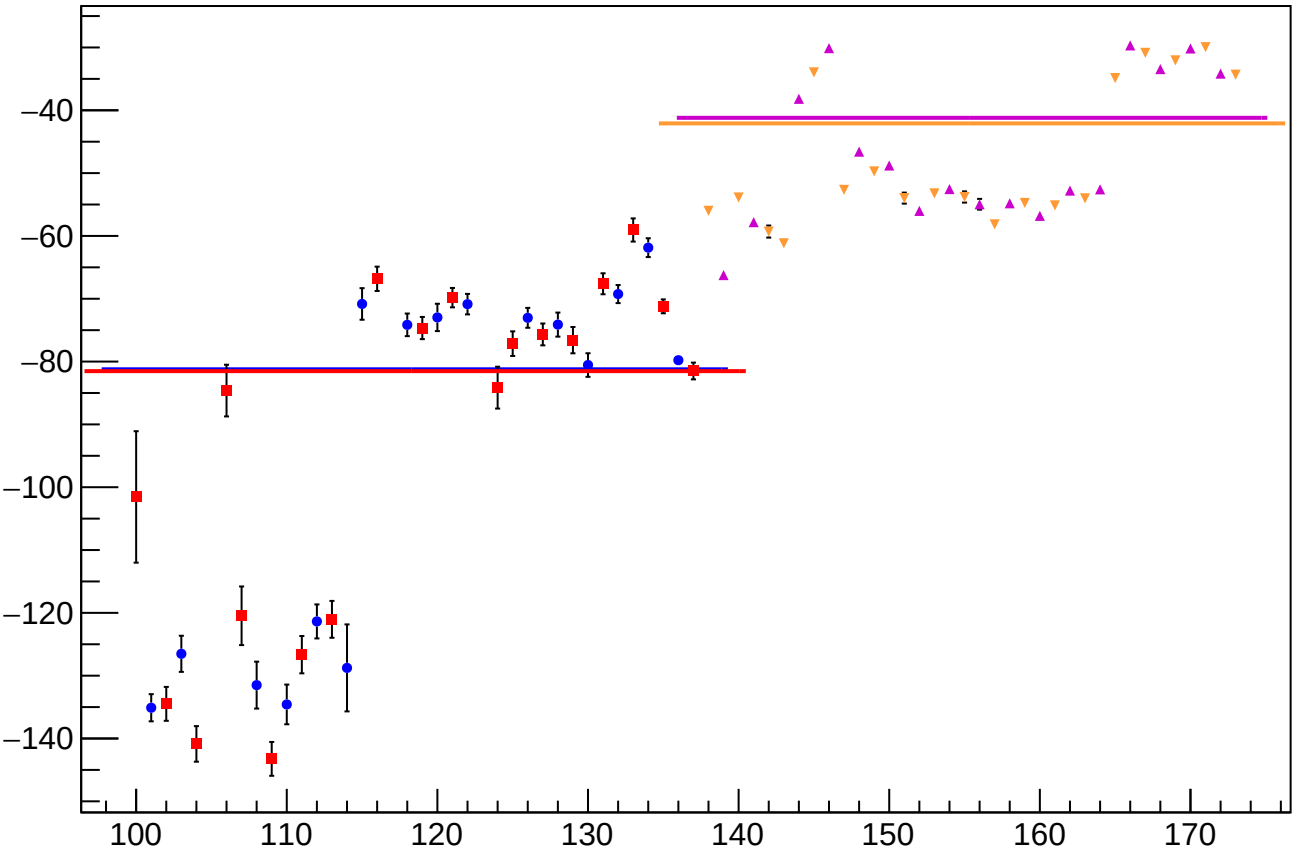
Left: 6.133+/-0.068 χ^2/NDF: 1521.9/35

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 5.798+/-0.094 χ^2/NDF:3320.0/32

Out: 6.238+/-0.092 χ^2/NDF:2419.7/37

All: 6.020+/-0.066 χ^2/NDF: 5750.9/70



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -42.087+/-0.130 χ^2/NDF:7493.8/18

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -41.198+/-0.133 χ^2/NDF:7345.2/16

Left: -41.652+/-0.093 χ^2/NDF: 14861.8/35

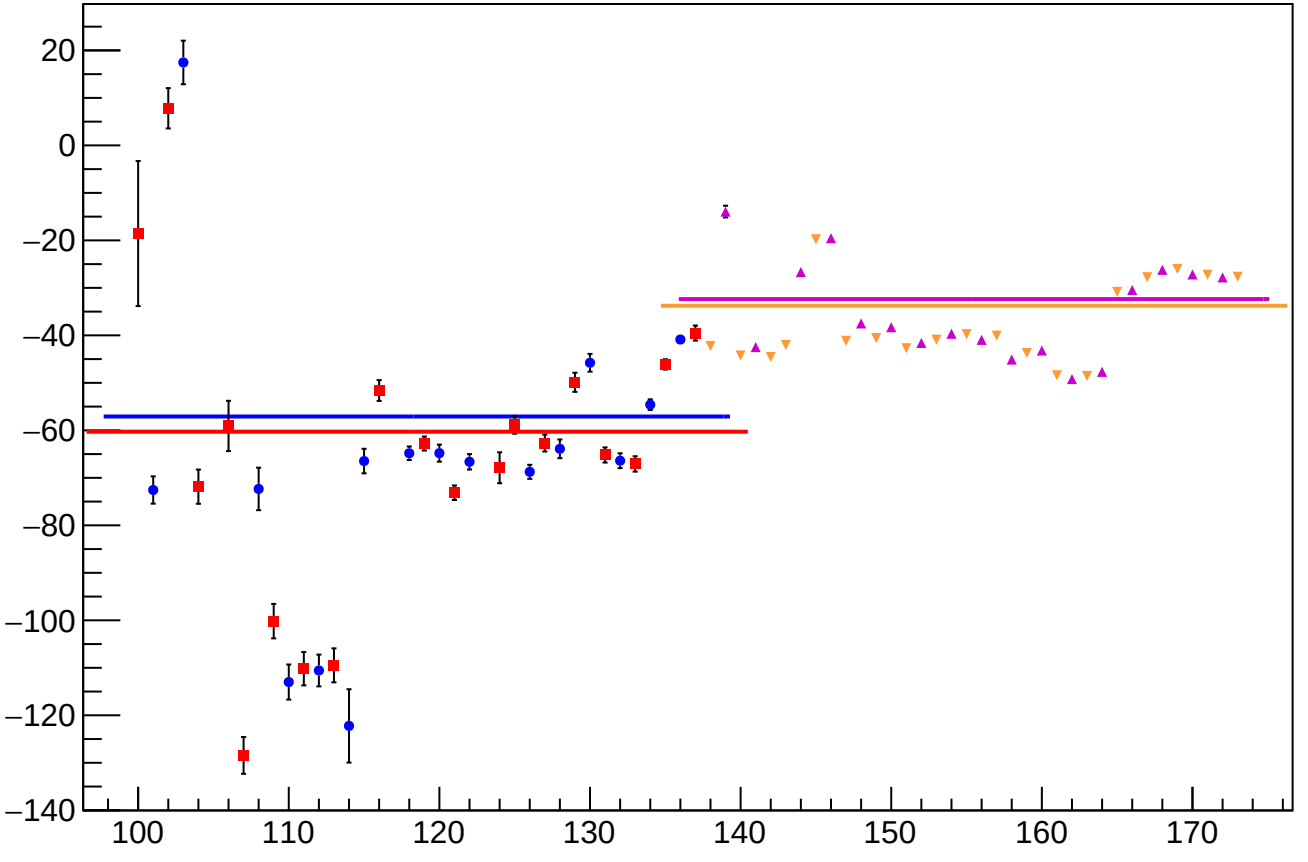
Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -44.898+/-0.127 χ^2/NDF:17687.6/32

Out: -45.002+/-0.125 χ^2/NDF:16546.3/37

All: -44.950+/-0.089 χ^2/NDF: 34234.2/70

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -33.766+/-0.107 χ^2/NDF:7172.3/18

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -32.361+/-0.110 χ^2/NDF:6945.8/16

Left: -33.084+/-0.077 χ^2/NDF: 14201.7/35

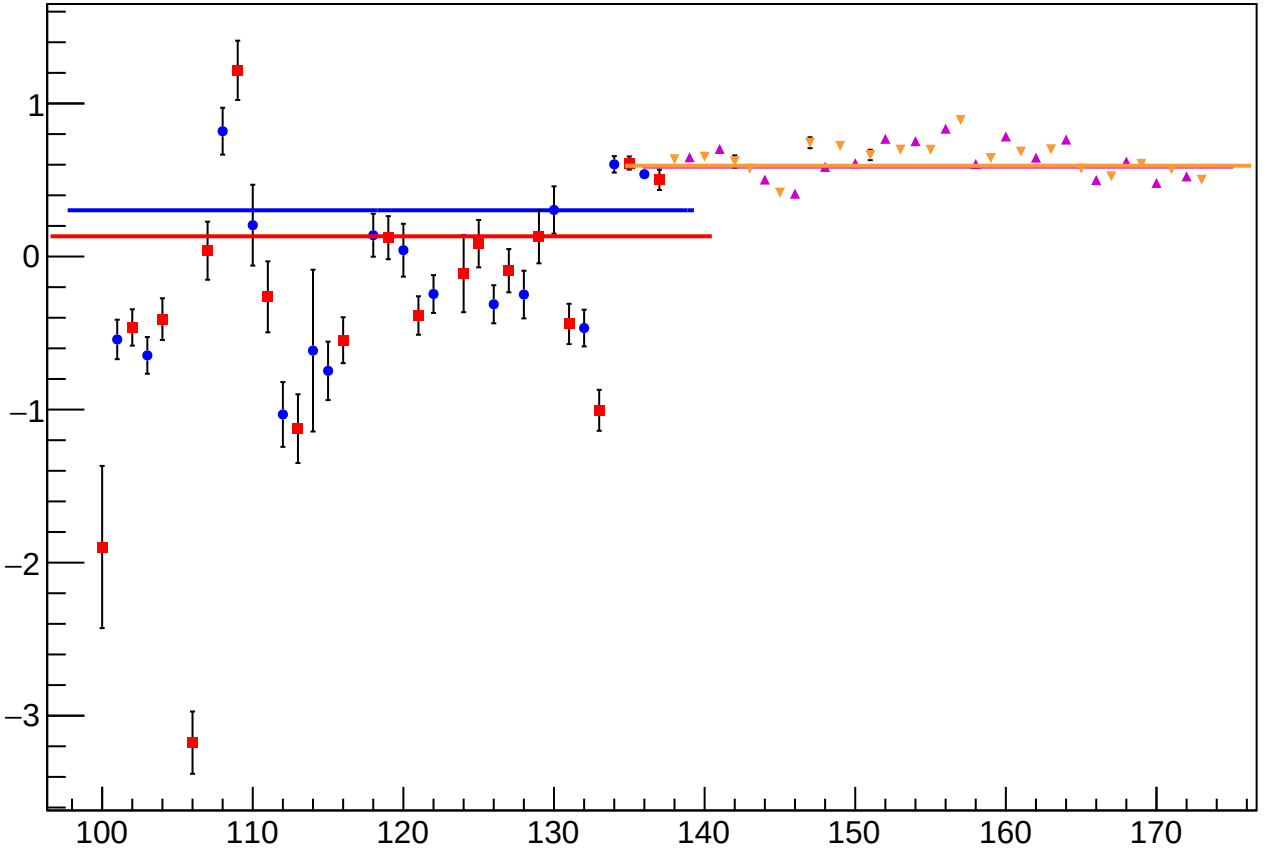
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -33.915+/-0.107 χ^2/NDF:11634.2/32

Out: -35.075+/-0.104 χ^2/NDF:11786.7/37

All: -34.508+/-0.075 χ^2/NDF: 23481.3/70

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.302+/-0.023 χ^2/NDF: 374.8/15

Left Out: 0.593+/-0.005 χ^2/NDF:466.9/18

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.588+/-0.005 χ^2/NDF:539.7/16

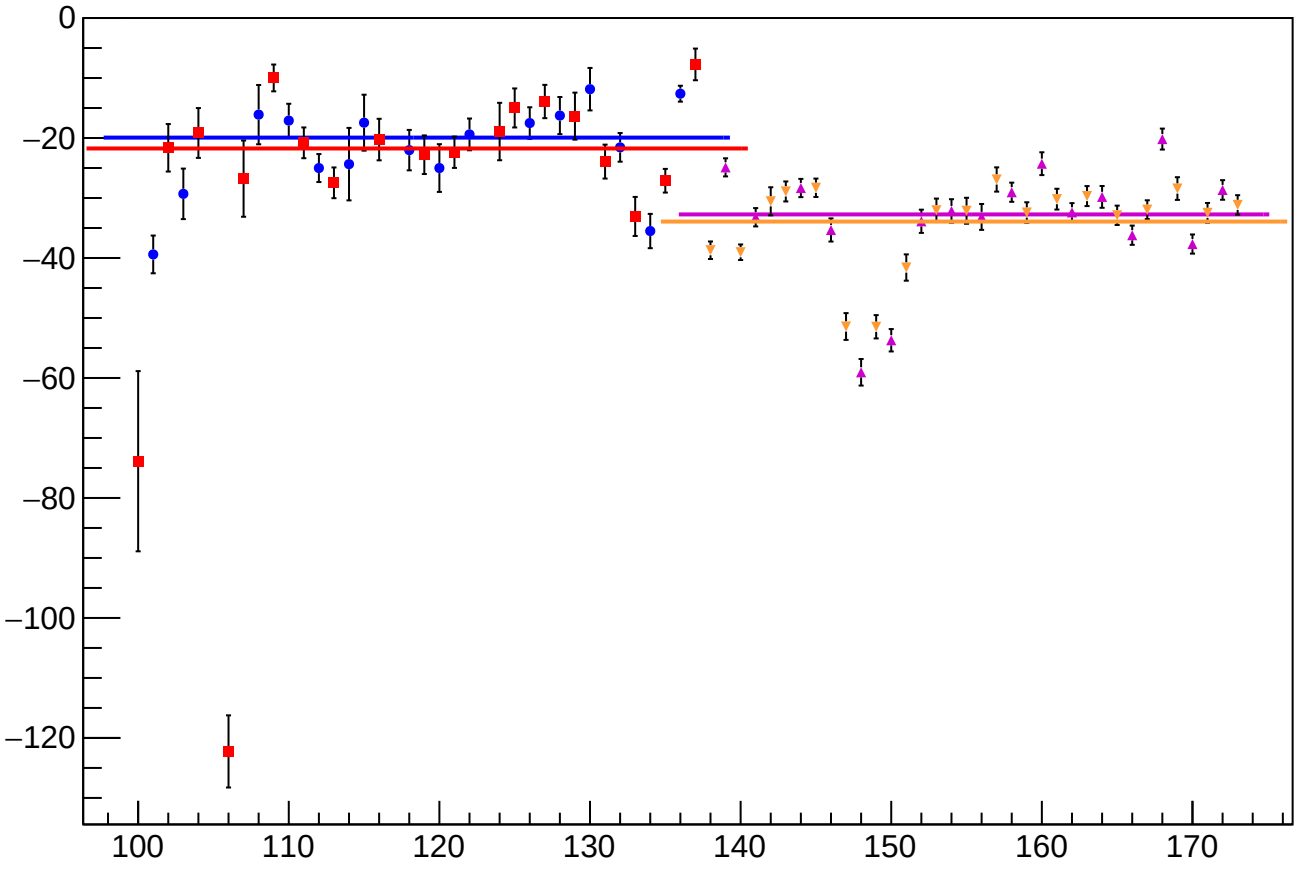
Left: 0.591+/-0.003 χ^2/NDF: 1007.3/35

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.575+/-0.005 χ^2/NDF:1062.3/32

Out: 0.579+/-0.005 χ^2/NDF:1432.5/37

All: 0.577+/-0.003 χ^2/NDF: 2495.1/70



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -33.928+/-0.399 χ^2/NDF:245.8/18

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -32.738+/-0.419 χ^2/NDF:405.3/16

Left: -33.362+/-0.289 χ^2/NDF: 655.3/35

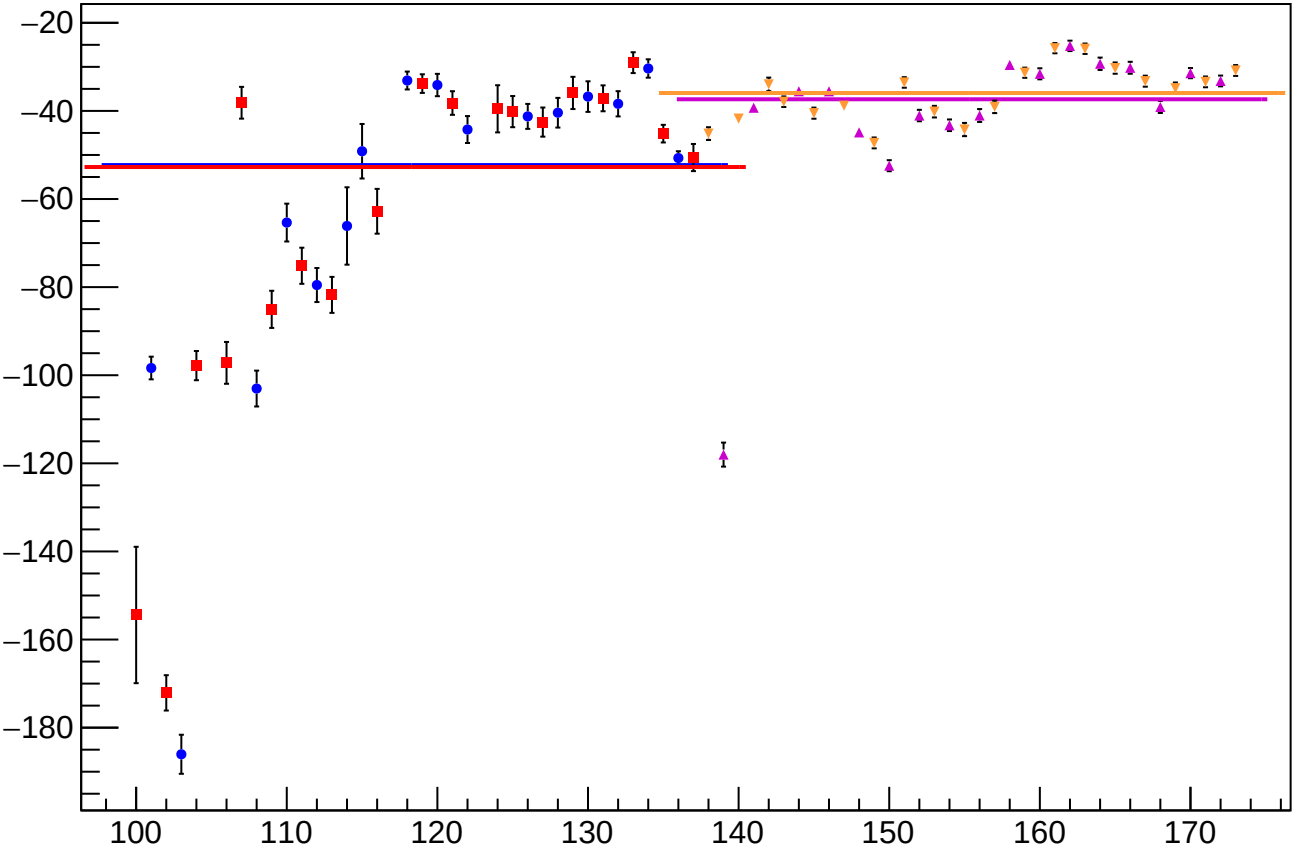
Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -29.317+/-0.359 χ^2/NDF:774.8/32

Out: -31.027+/-0.348 χ^2/NDF:856.1/37

All: -30.199+/-0.250 χ^2/NDF: 1642.5/70

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -35.933+/-0.286 χ^2/NDF:439.2/18

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -37.358+/-0.303 χ^2/NDF:1392.2/16

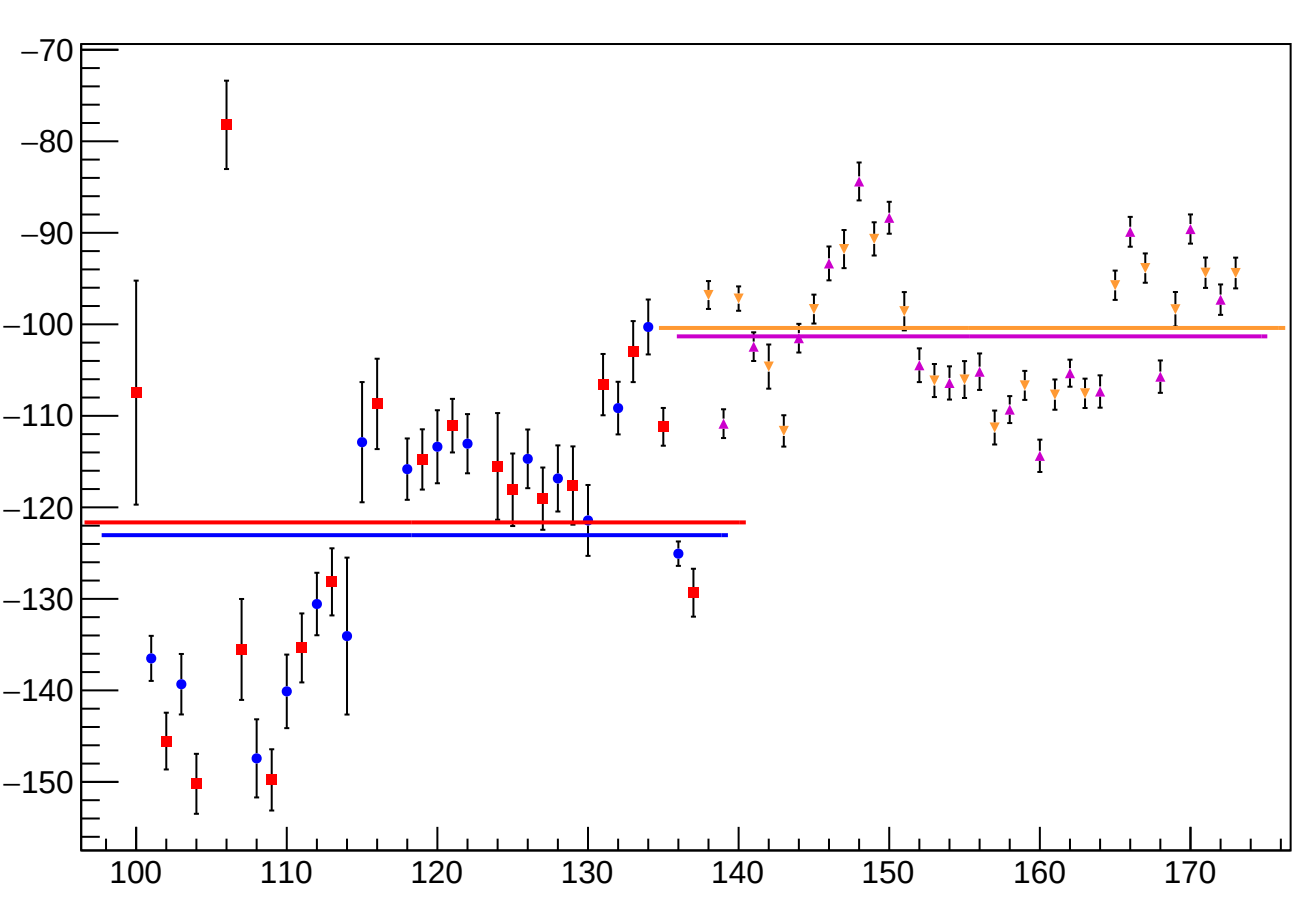
Left: -36.603+/-0.208 χ^2/NDF: 1843.1/35

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

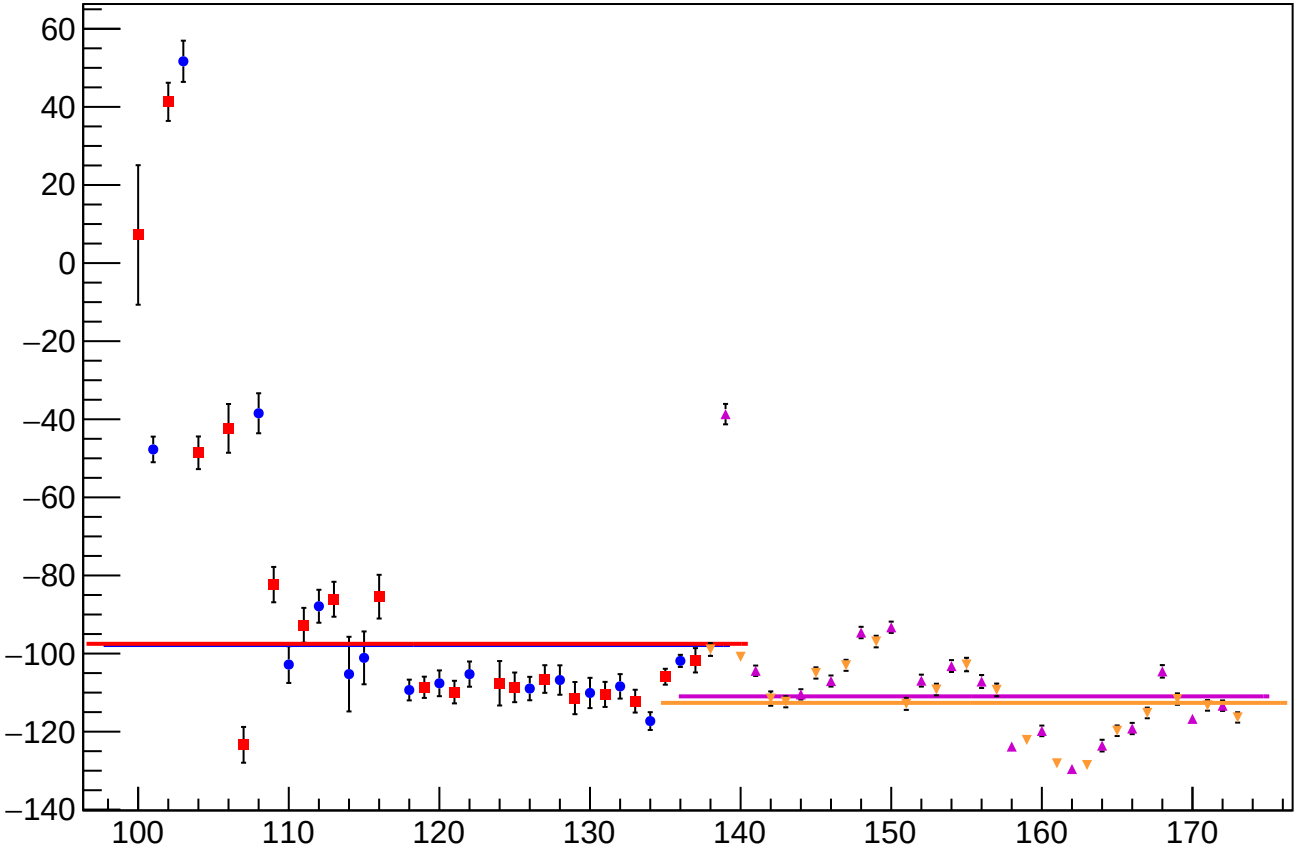
In: -39.673+/-0.279 χ^2/NDF:3546.5/32

Out: -38.072+/-0.267 χ^2/NDF:2541.9/37

All: -38.838+/-0.193 χ^2/NDF: 6105.6/70


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
170
Right In: -123.039+/-0.750 χ²/NDF: 226.8/15
Left Out: -100.397+/-0.394 χ²/NDF:265.6/18
Right Out: -121.646+/-0.801 χ²/NDF: 424.5/18
Left In: -101.316+/-0.411 χ²/NDF:410.7/16
Left: -100.838+/-0.284 χ²/NDF: 678.9/35
Right: -122.388+/-0.548 χ²/NDF: 652.9/34
In: -106.325+/-0.360 χ²/NDF:1283.0/32
Out: -104.534+/-0.354 χ²/NDF:1256.5/37
All: -105.413+/-0.252 χ²/NDF: 2552.1/70

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -112.629+/-0.326 χ^2/NDF:800.6/18

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -110.960+/-0.344 χ^2/NDF:1651.6/16

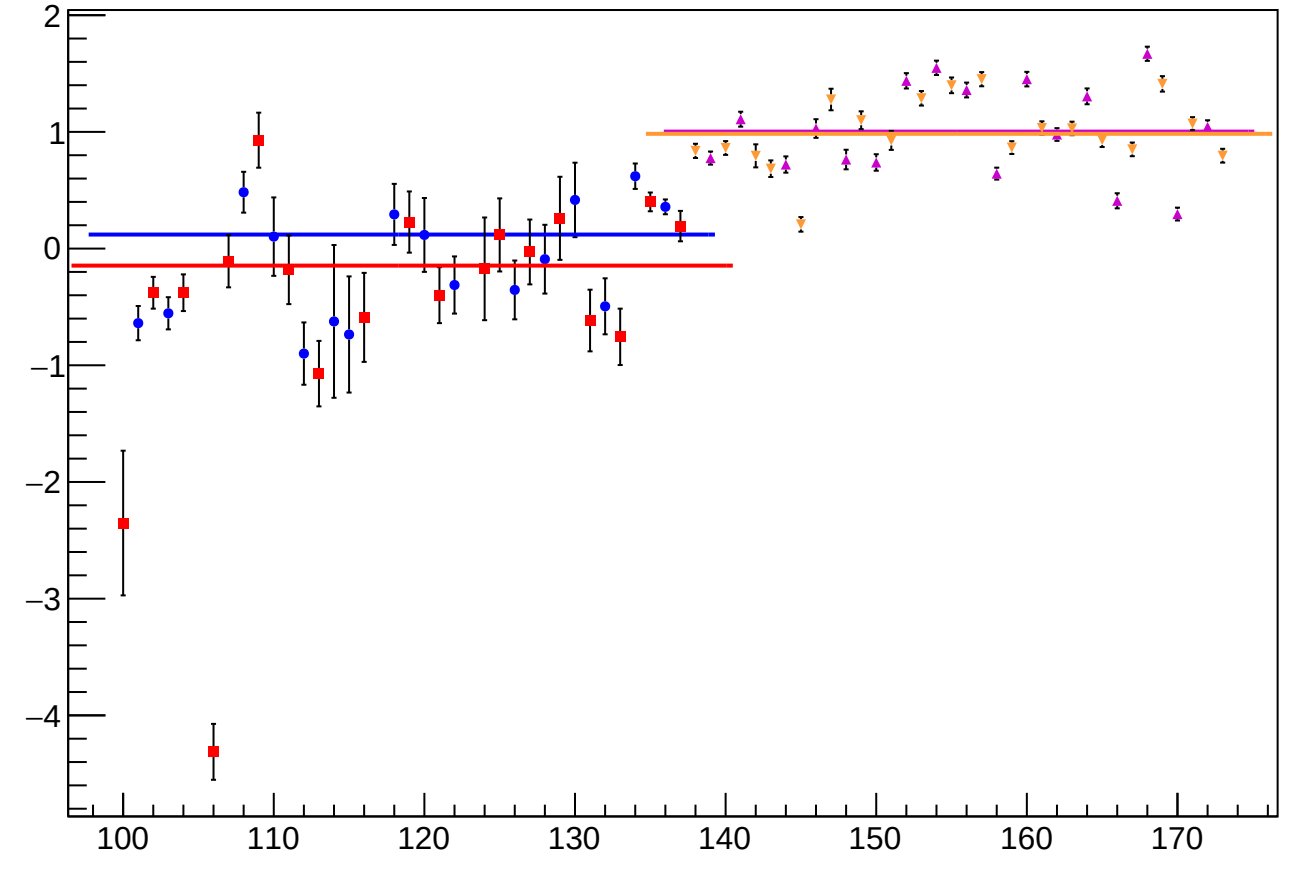
Left: -111.840+/-0.237 χ^2/NDF: 2464.6/35

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -108.875+/-0.316 χ^2/NDF:3213.6/32

Out: -110.660+/-0.304 χ^2/NDF:2317.3/37

All: -109.802+/-0.219 χ^2/NDF: 5547.5/70



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.983+/-0.015 χ^2/NDF:385.6/18

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

Left In: 1.002+/-0.015 χ^2/NDF:701.3/16

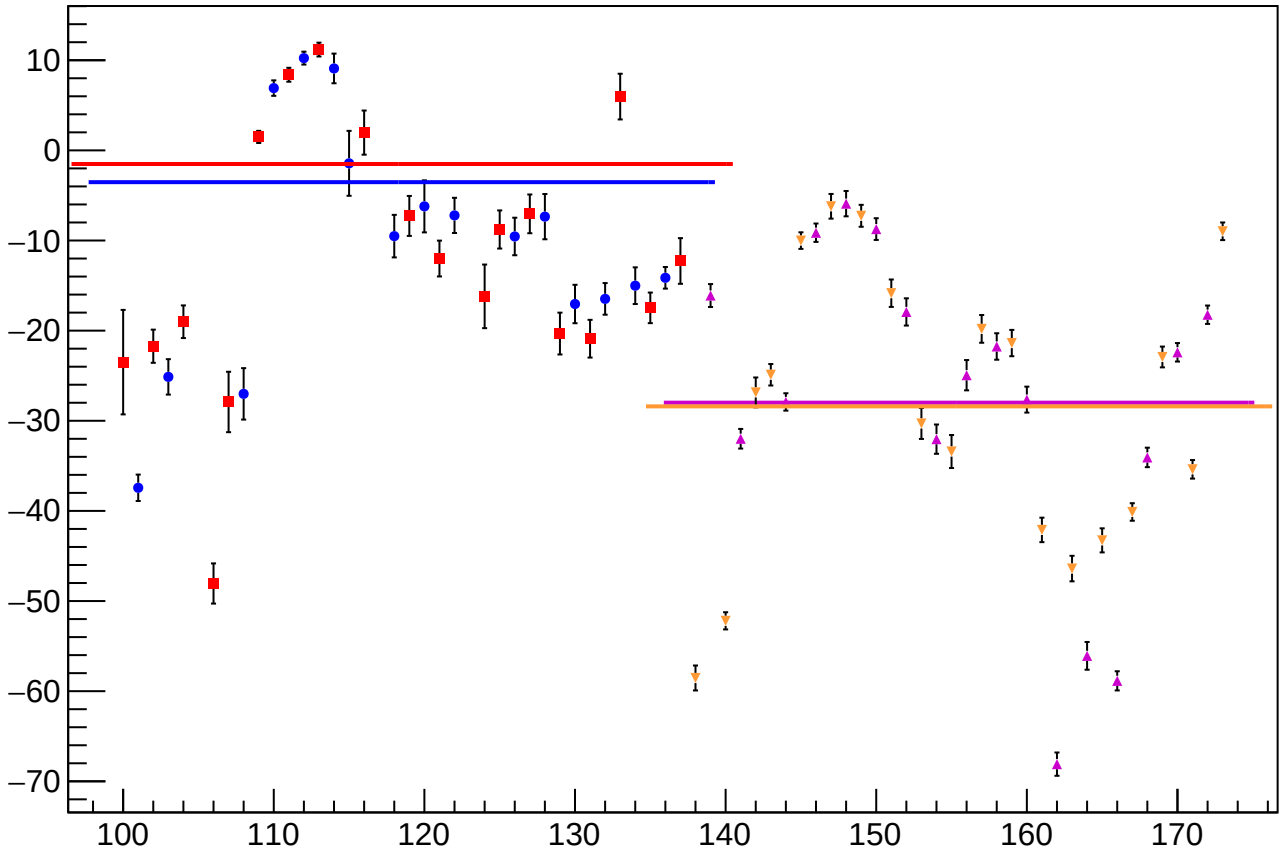
Left: 0.993+/-0.011 χ^2/NDF: 1087.7/35

Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.897+/-0.014 χ^2/NDF:1228.4/32

Out: 0.874+/-0.014 χ^2/NDF:1378.6/37

All: 0.885+/-0.010 χ^2/NDF: 2608.4/70



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -28.403+/-0.283 χ^2/NDF:3197.7/18

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -27.991+/-0.295 χ^2/NDF:3308.0/16

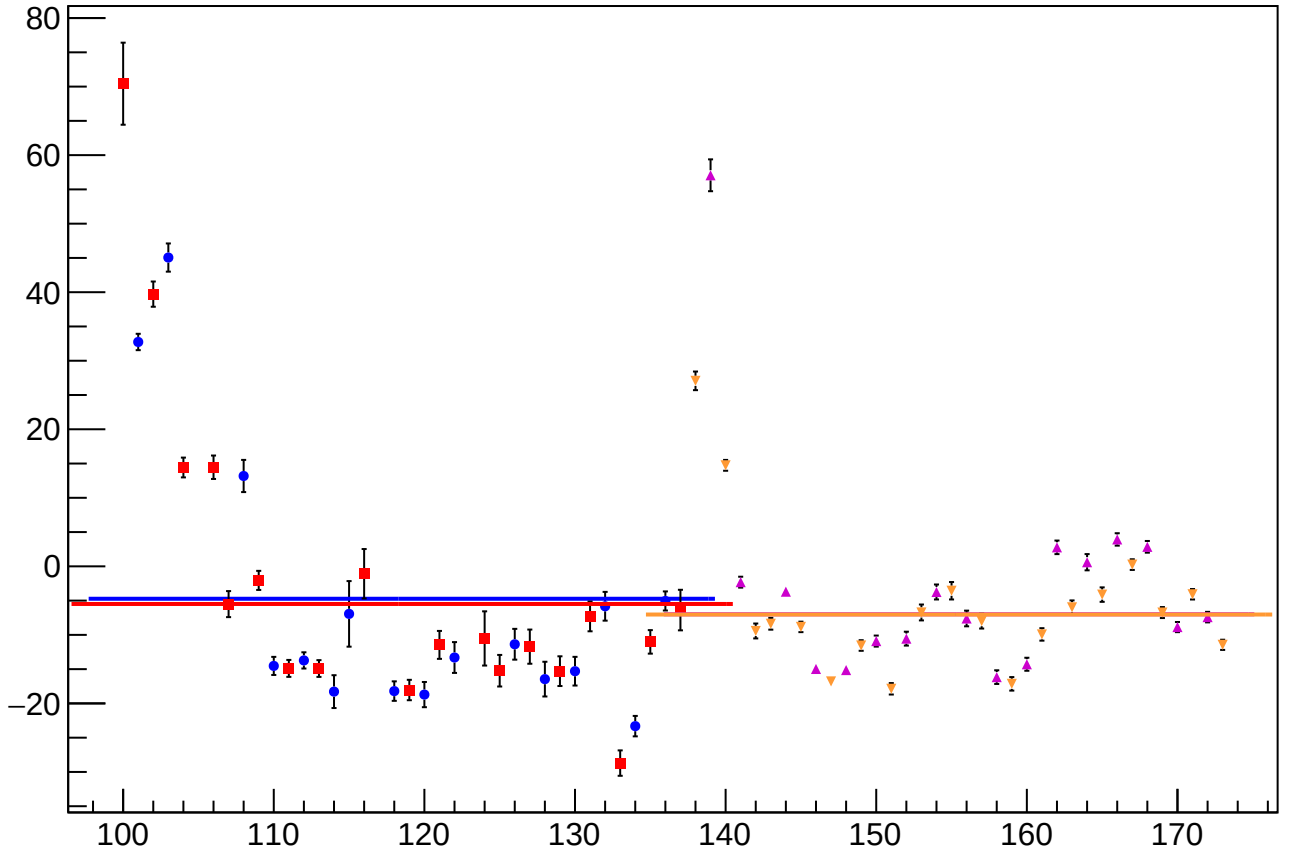
Left: -28.205+/-0.204 χ^2/NDF: 6506.6/35

Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -18.690+/-0.232 χ^2/NDF:7450.1/32

Out: -17.317+/-0.217 χ^2/NDF:8432.2/37

All: -17.958+/-0.159 χ^2/NDF: 15901.0/70



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -7.031+/-0.201 χ^2/NDF:2110.3/18

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -6.996+/-0.210 χ^2/NDF:1744.9/16

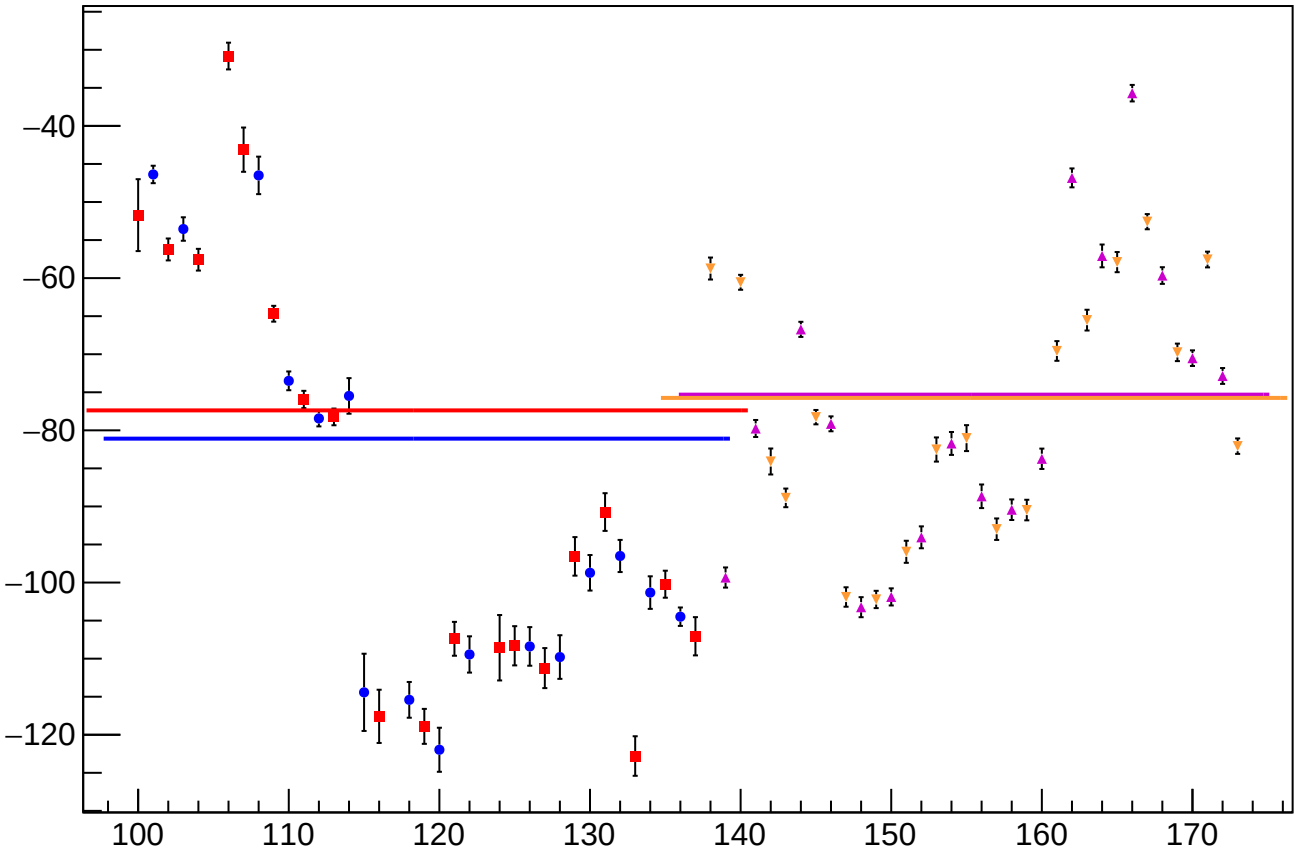
Left: -7.014+/-0.145 χ^2/NDF: 3855.3/35

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -6.561+/-0.189 χ^2/NDF:3915.3/32

Out: -6.746+/-0.182 χ^2/NDF:3629.7/37

All: -6.657+/-0.131 χ^2/NDF: 7545.5/70



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -75.739+/-0.281 χ^2/NDF:3150.8/18

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -75.311+/-0.290 χ^2/NDF:4106.8/16

Left: -75.532+/-0.202 χ^2/NDF: 7258.7/35

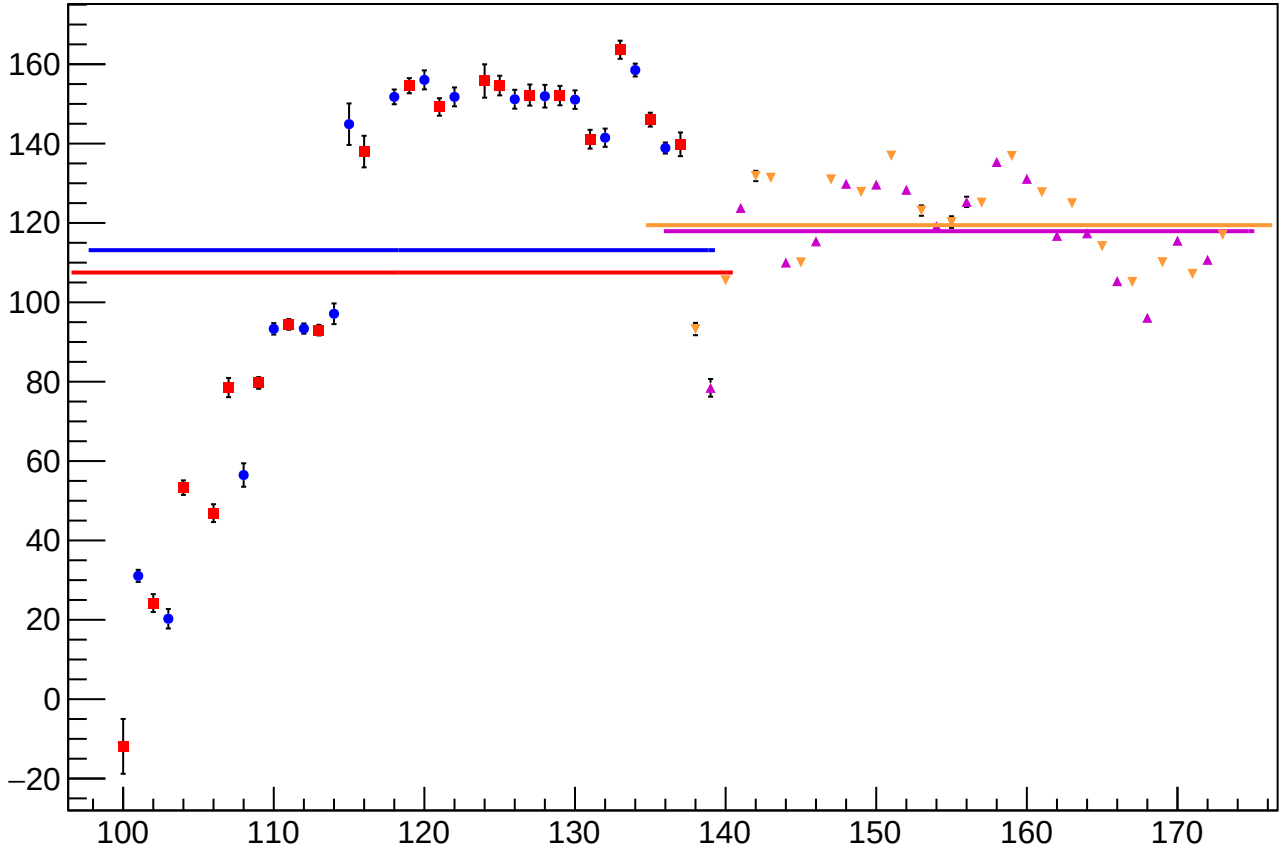
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -77.071+/-0.242 χ^2/NDF:7098.0/32

Out: -76.251+/-0.233 χ^2/NDF:6291.1/37

All: -76.646+/-0.168 χ^2/NDF: 13395.1/70

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: 119.444+/-0.231 χ^2/NDF:2413.8/18

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 117.927+/-0.241 χ^2/NDF:2063.3/16

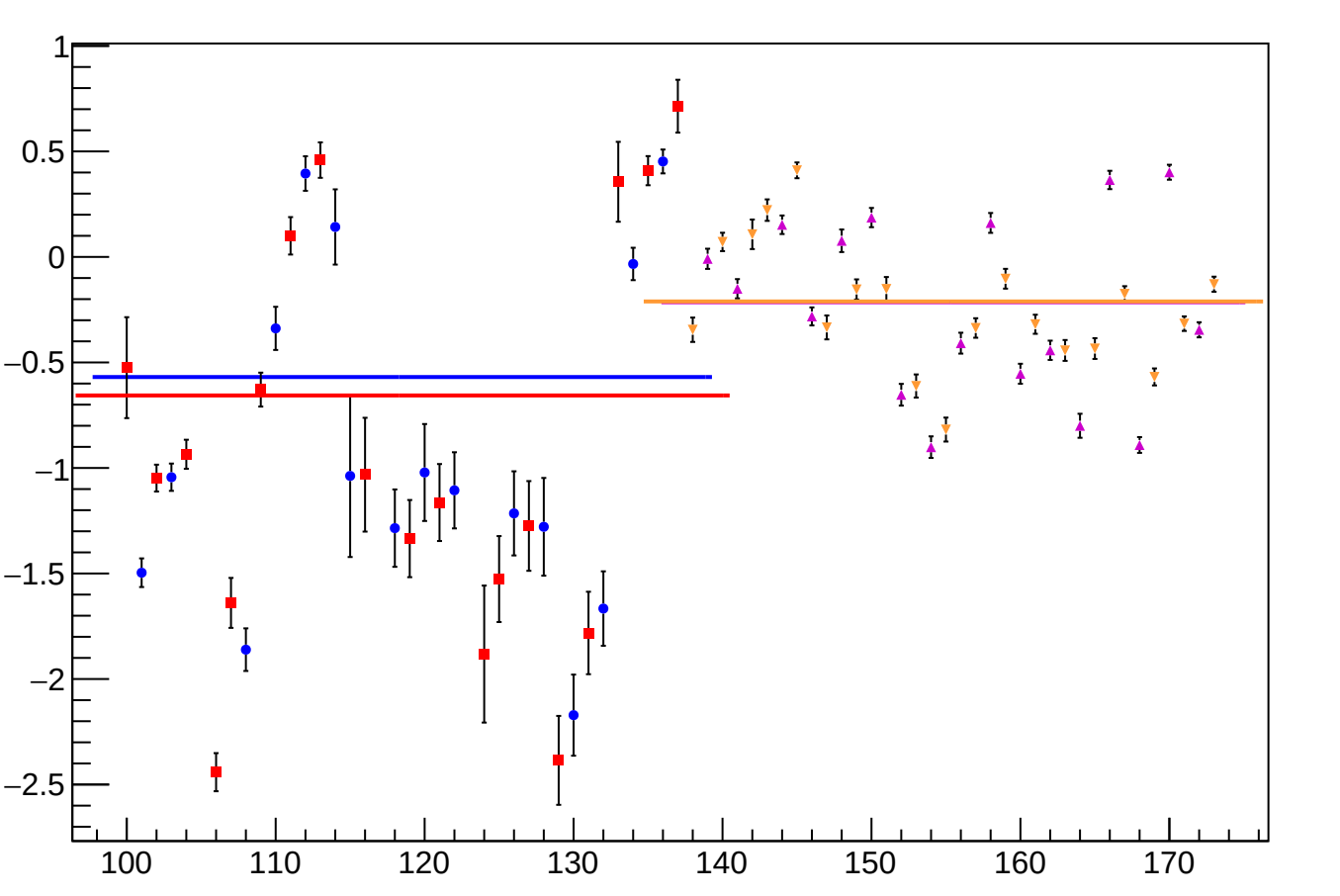
Left: 118.718+/-0.167 χ^2/NDF: 4497.7/35

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 116.990+/-0.216 χ^2/NDF:10344.4/32

Out: 117.195+/-0.208 χ^2/NDF:10460.4/37

All: 117.097+/-0.150 χ^2/NDF: 20805.2/70



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.211+/-0.010 χ^2/NDF:747.2/18

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: -0.215+/-0.011 χ^2/NDF:1534.7/16

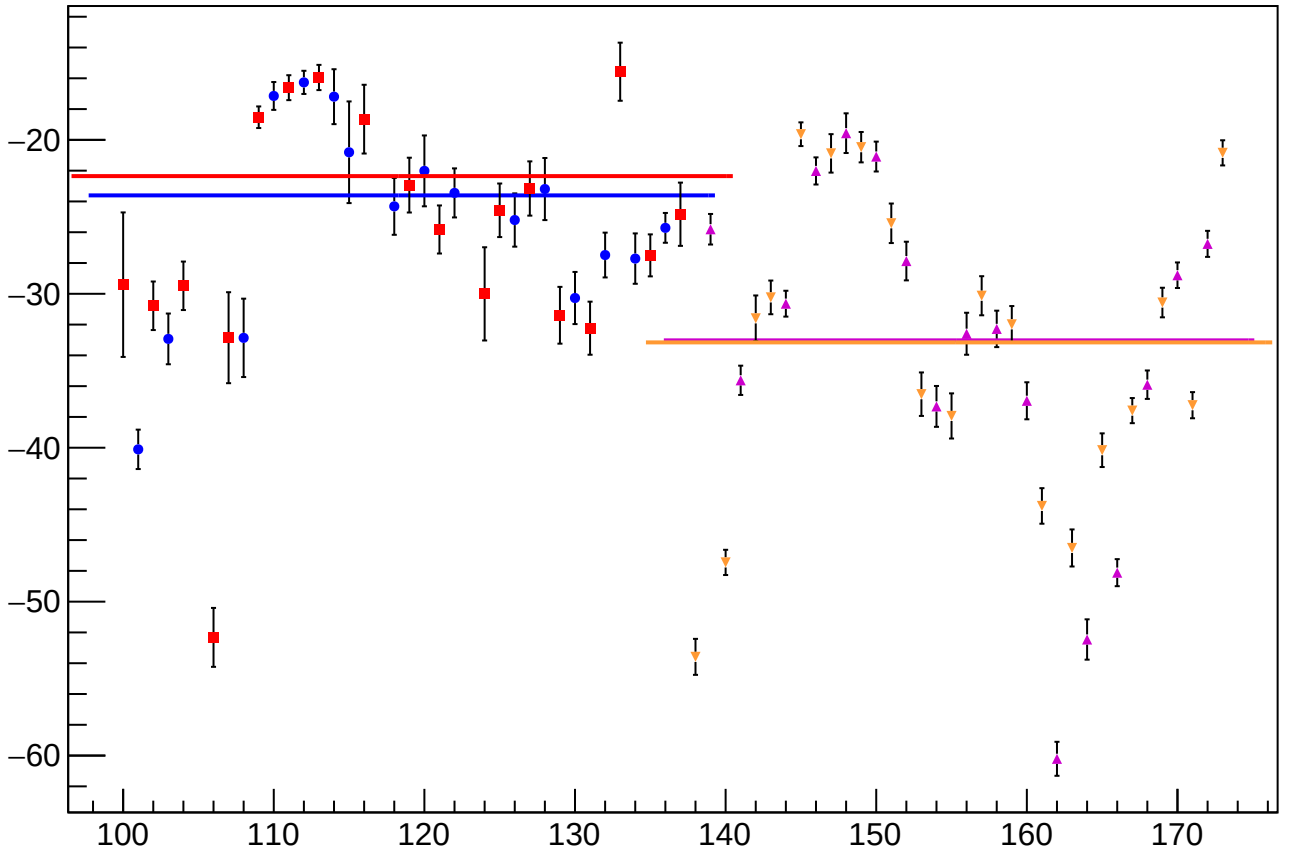
Left: -0.213+/-0.008 χ^2/NDF: 2281.9/35

Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.268+/-0.010 χ^2/NDF:2792.4/32

Out: -0.277+/-0.010 χ^2/NDF:2328.4/37

All: -0.273+/-0.007 χ^2/NDF: 5121.3/70



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -33.157+/-0.239 χ^2/NDF:1782.9/18

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -33.025+/-0.247 χ^2/NDF:1735.3/16

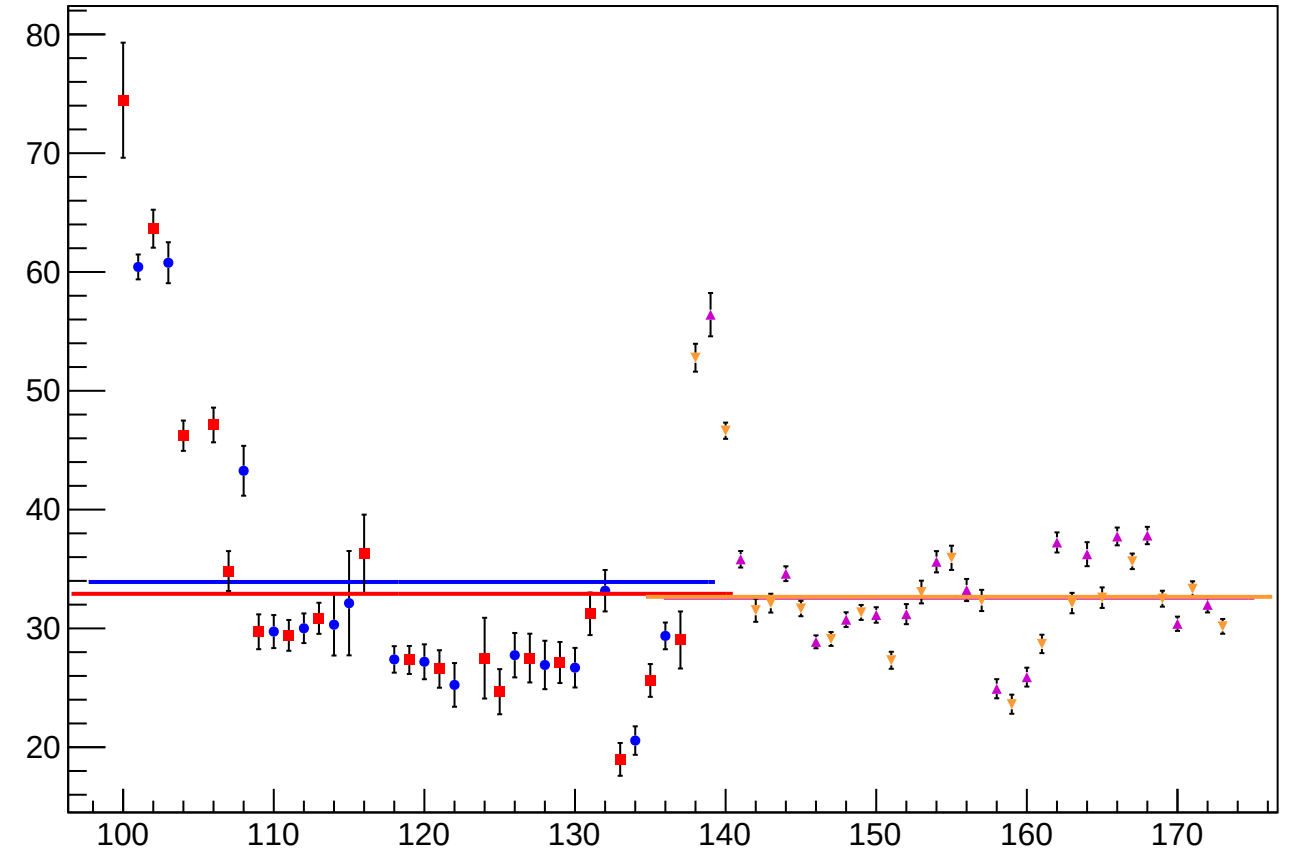
Left: -33.094+/-0.172 χ^2/NDF: 3518.3/35

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -29.868+/-0.202 χ^2/NDF:2627.8/32

Out: -29.316+/-0.192 χ^2/NDF:3061.1/37

All: -29.579+/-0.139 χ^2/NDF: 5692.8/70



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 32.656+/-0.171 χ^2/NDF:1016.5/18

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 32.586+/-0.178 χ^2/NDF:595.4/16

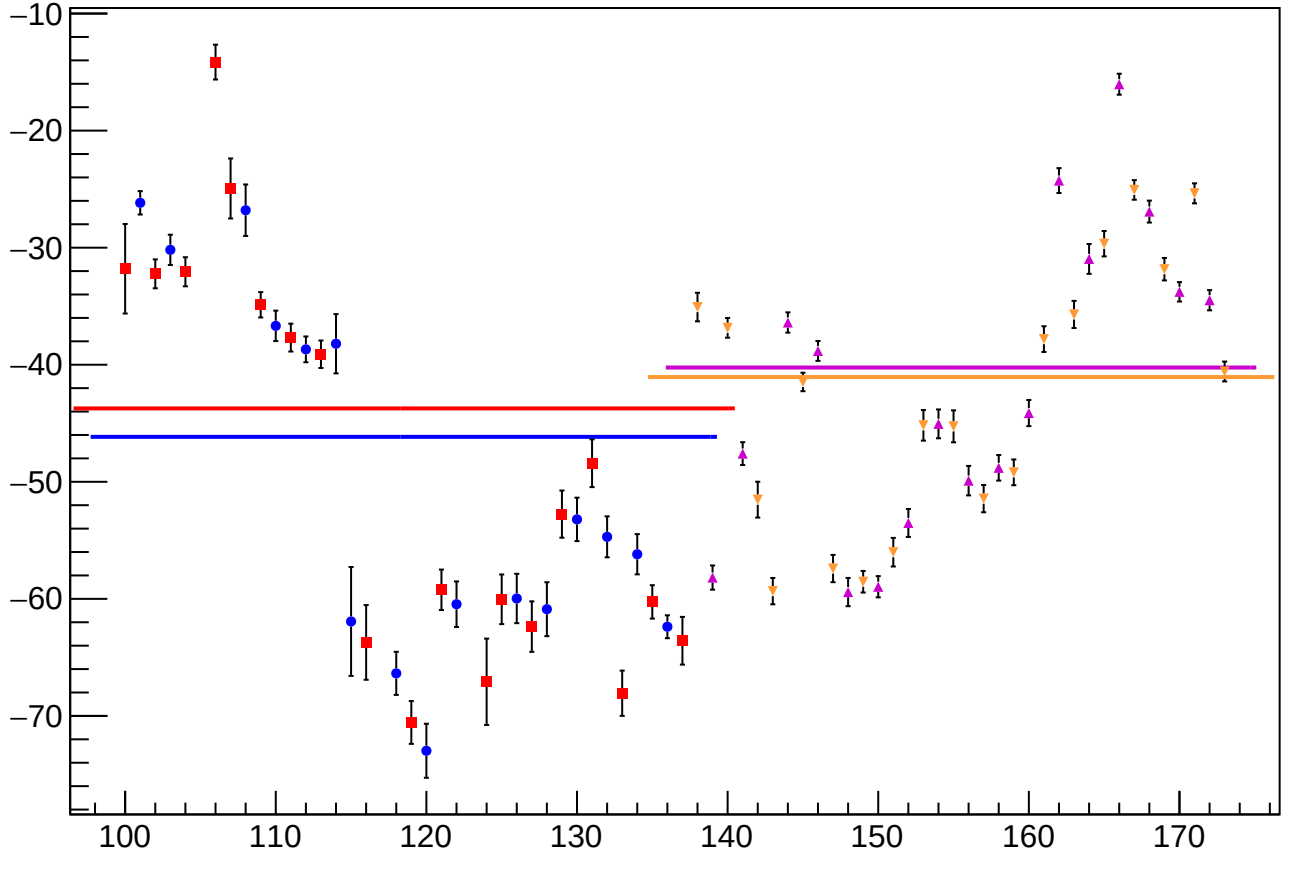
Left: 32.623+/-0.123 χ^2/NDF: 1612.0/35

Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 32.830+/-0.161 χ^2/NDF:1789.9/32

Out: 32.701+/-0.155 χ^2/NDF:1891.9/37

All: 32.763+/-0.112 χ^2/NDF: 3682.1/70



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -41.051+/-0.237 χ^2/NDF:2155.6/18

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -40.238+/-0.243 χ^2/NDF:2648.0/16

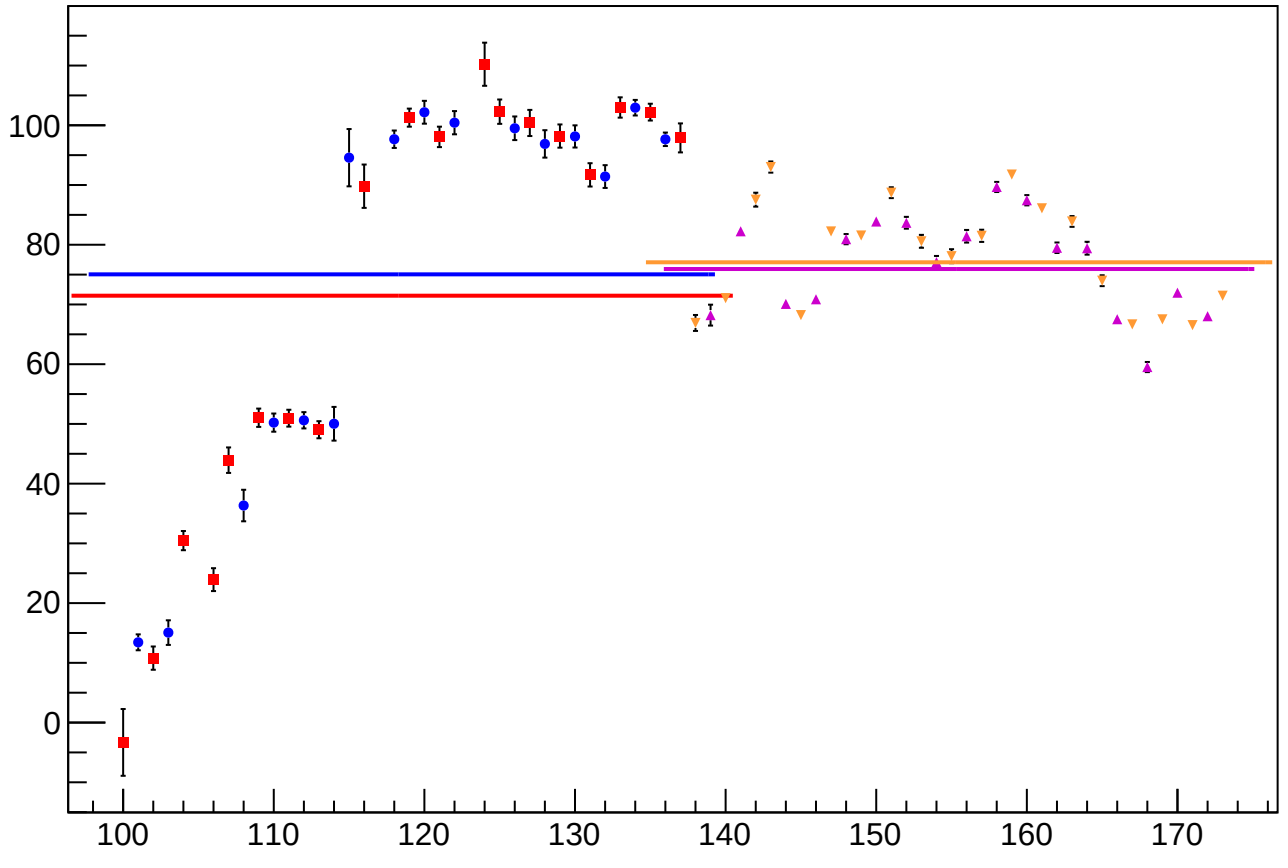
Left: -40.656+/-0.170 χ^2/NDF: 4809.4/35

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -41.896+/-0.206 χ^2/NDF:4303.8/32

Out: -41.805+/-0.201 χ^2/NDF:3855.0/37

All: -41.849+/-0.144 χ^2/NDF: 8158.9/70



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 77.062+/-0.195 χ^2/NDF:2060.9/18

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 75.936+/-0.204 χ^2/NDF:1551.0/16

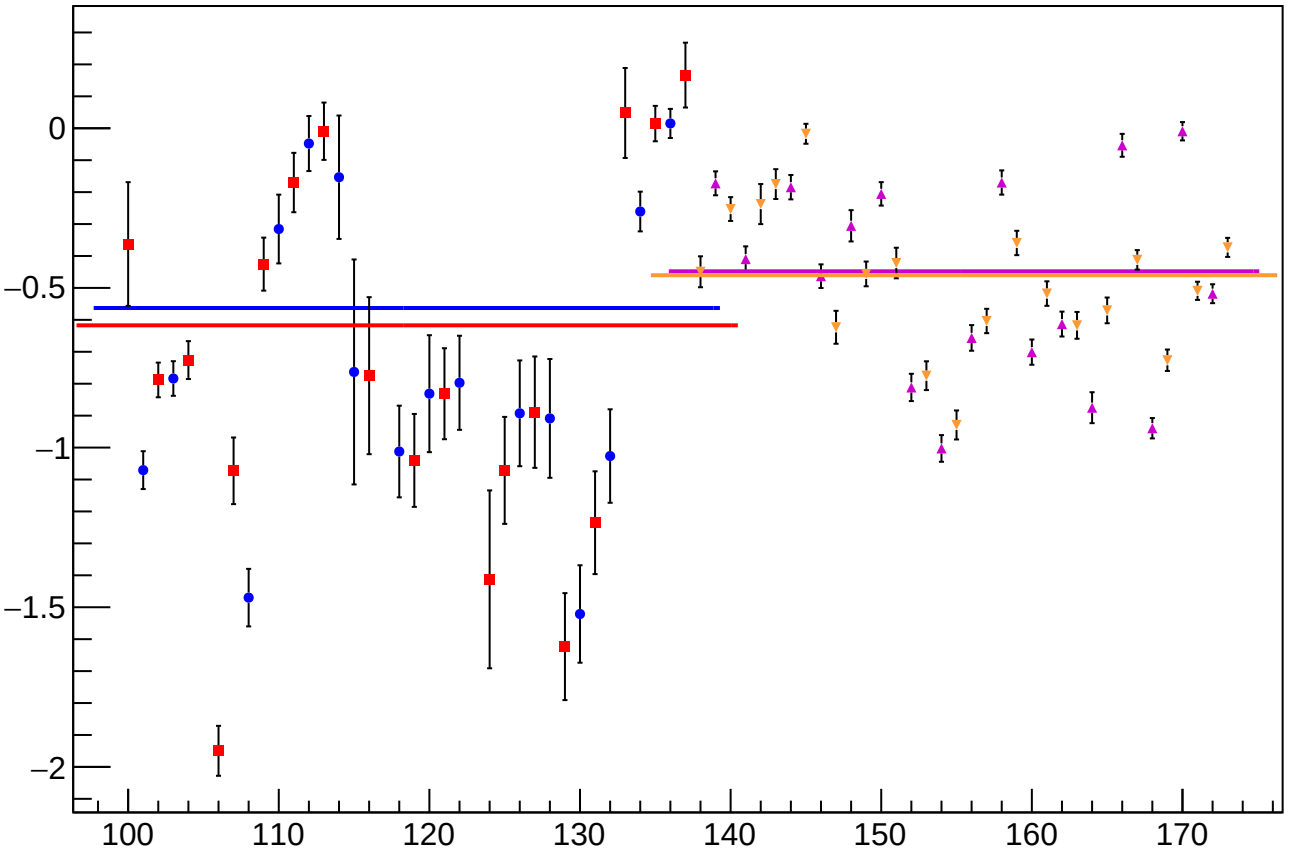
Left: 76.522+/-0.141 χ^2/NDF: 3627.9/35

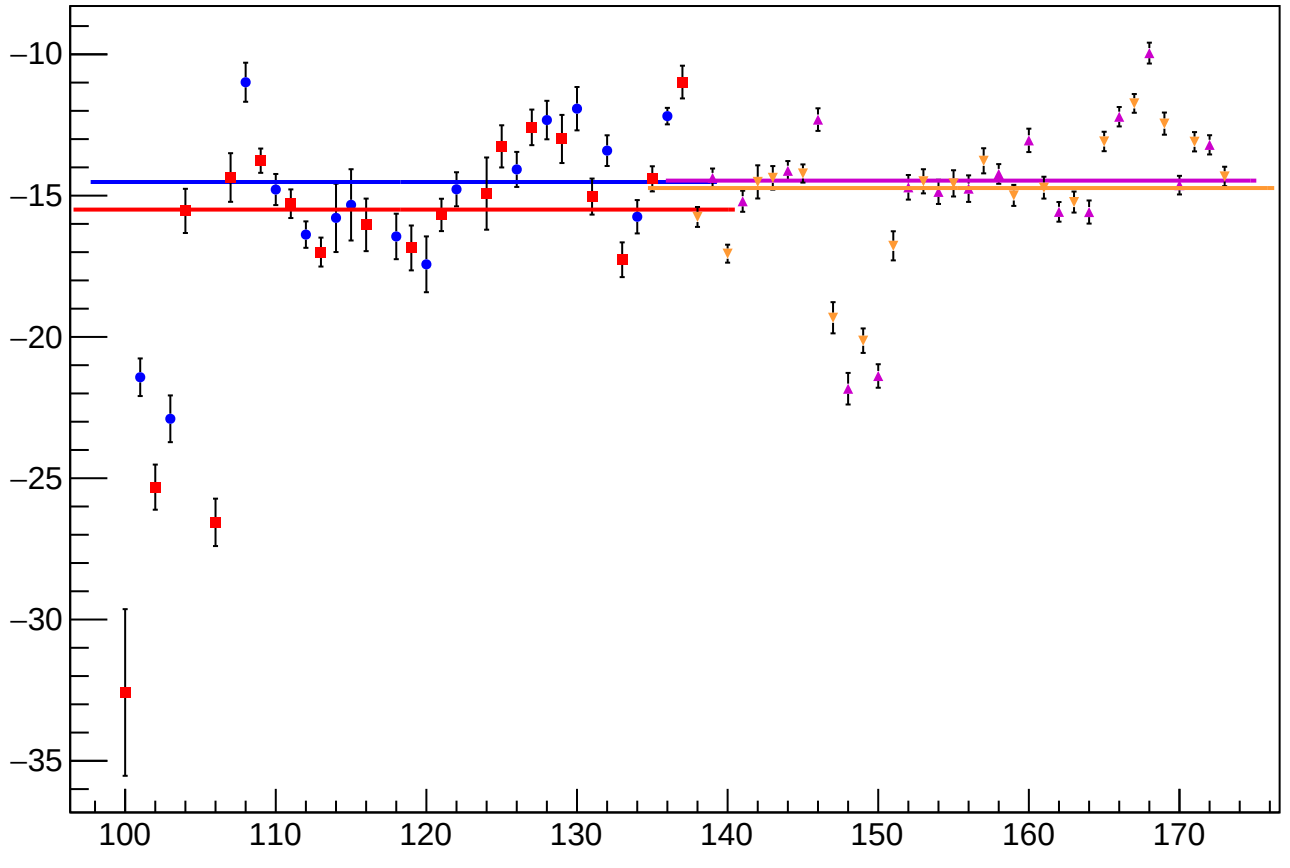
Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 75.771+/-0.184 χ^2/NDF:7382.9/32

Out: 76.088+/-0.178 χ^2/NDF:7831.7/37

All: 75.934+/-0.128 χ^2/NDF: 15216.1/70


reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
Right In: -0.563+/-0.022 χ²/NDF: 493.0/15
Left Out: -0.460+/-0.009 χ²/NDF:570.1/18
Right Out: -0.617+/-0.022 χ²/NDF: 690.0/18
Left In: -0.448+/-0.009 χ²/NDF:1219.0/16
Left: -0.454+/-0.006 χ²/NDF: 1790.1/35
Right: -0.590+/-0.016 χ²/NDF: 1186.0/34
In: -0.464+/-0.008 χ²/NDF:1734.9/32
Out: -0.482+/-0.008 χ²/NDF:1303.4/37
All: -0.473+/-0.006 χ²/NDF: 3040.5/70



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -14.731+/-0.089 χ^2/NDF:475.6/18

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -14.469+/-0.092 χ^2/NDF:722.0/16

Left: -14.605+/-0.064 χ^2/NDF: 1201.8/35

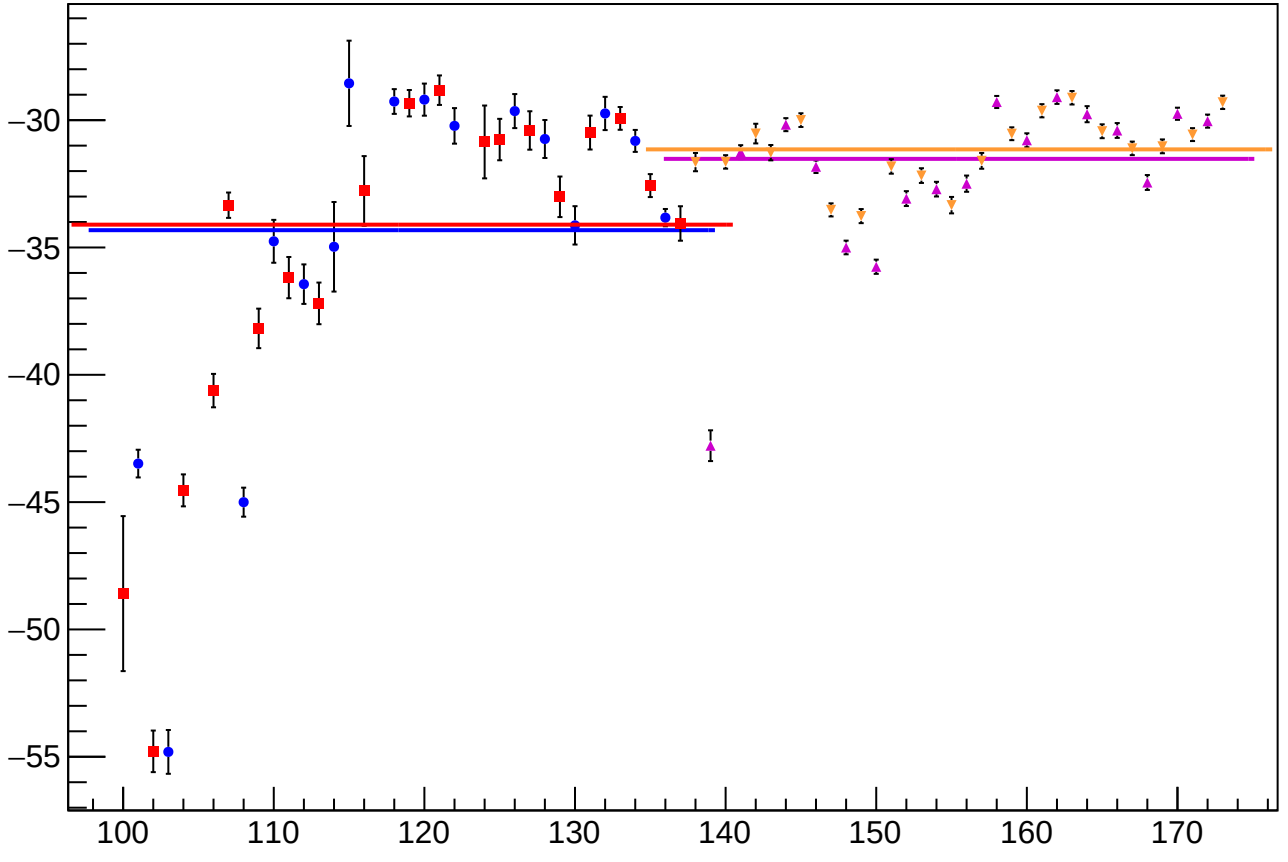
Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.482+/-0.079 χ^2/NDF:1085.4/32

Out: -14.930+/-0.077 χ^2/NDF:998.6/37

All: -14.712+/-0.055 χ^2/NDF: 2100.7/70

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.147+/-0.064 χ^2/NDF:428.0/18

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -31.520+/-0.068 χ^2/NDF:1151.4/16

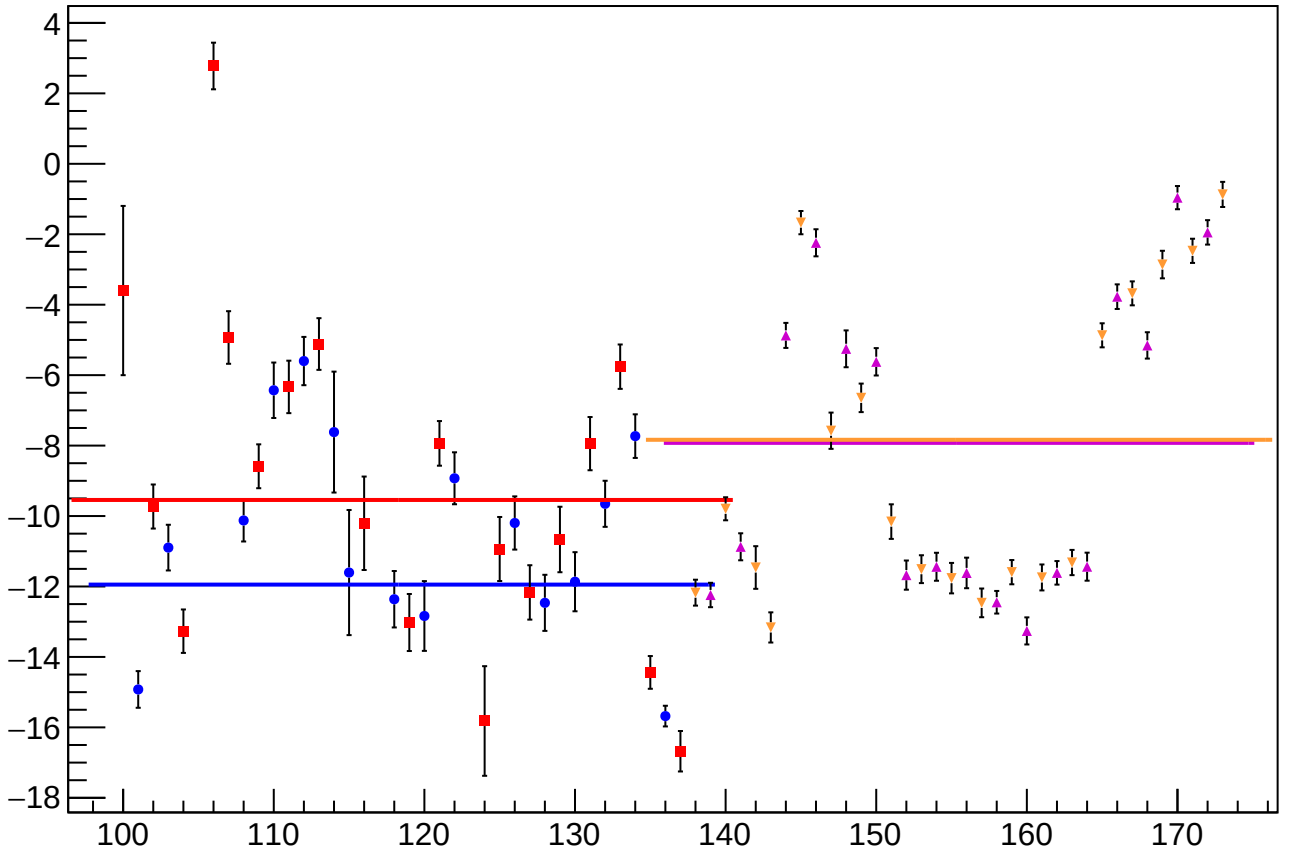
Left: -31.324+/-0.047 χ^2/NDF: 1595.5/35

Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -31.976+/-0.062 χ^2/NDF:3051.5/32

Out: -31.586+/-0.059 χ^2/NDF:2176.2/37

All: -31.773+/-0.043 χ^2/NDF: 5248.5/70



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -7.835+/-0.088 χ^2/NDF:2382.4/18

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -7.923+/-0.090 χ^2/NDF:2330.7/16

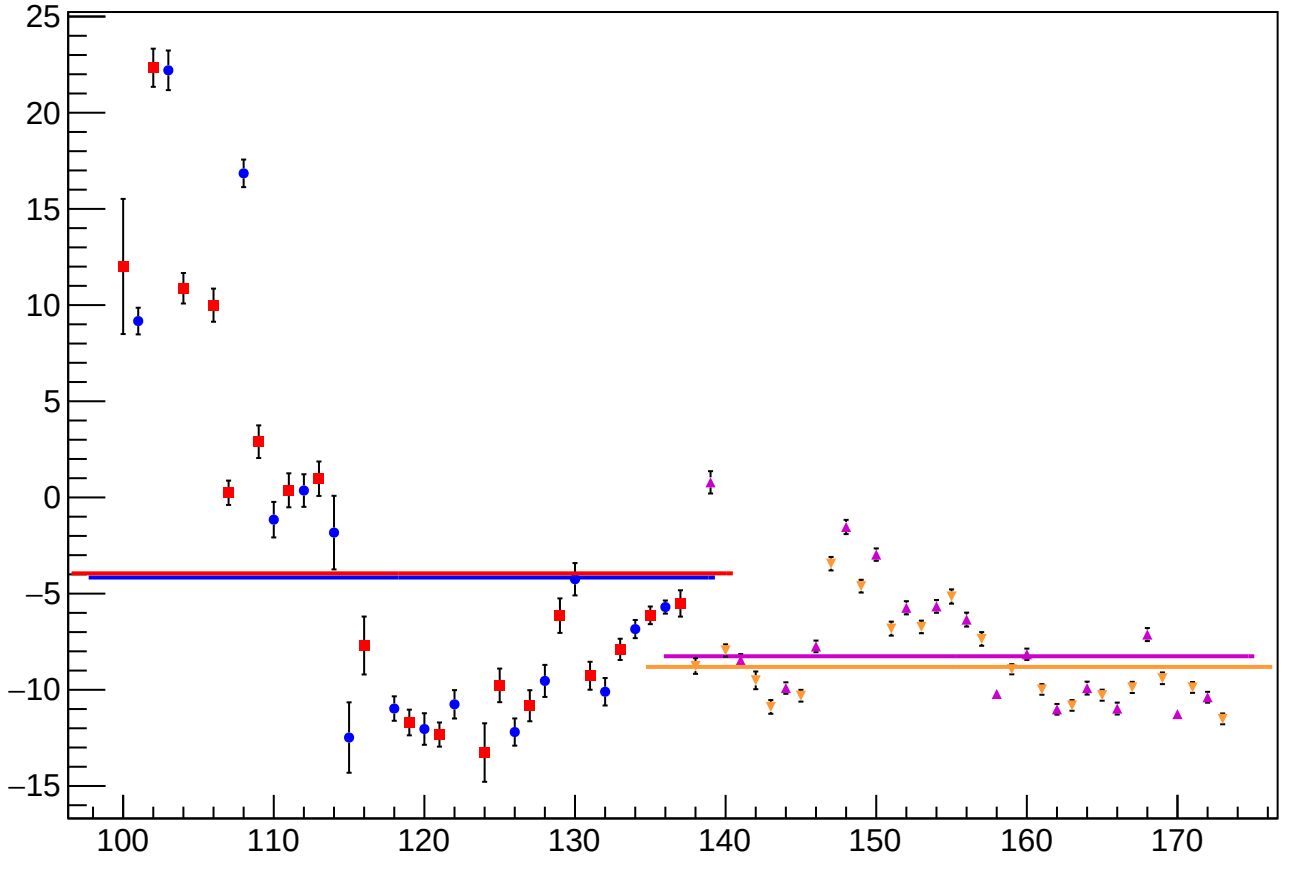
Left: -7.878+/-0.063 χ^2/NDF: 4713.5/35

Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -8.896+/-0.079 χ^2/NDF:3239.3/32

Out: -8.212+/-0.078 χ^2/NDF:3312.8/37

All: -8.549+/-0.055 χ^2/NDF: 6590.5/70



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -8.809+/-0.073 χ^2/NDF:865.1/18

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -8.256+/-0.076 χ^2/NDF:1480.5/16

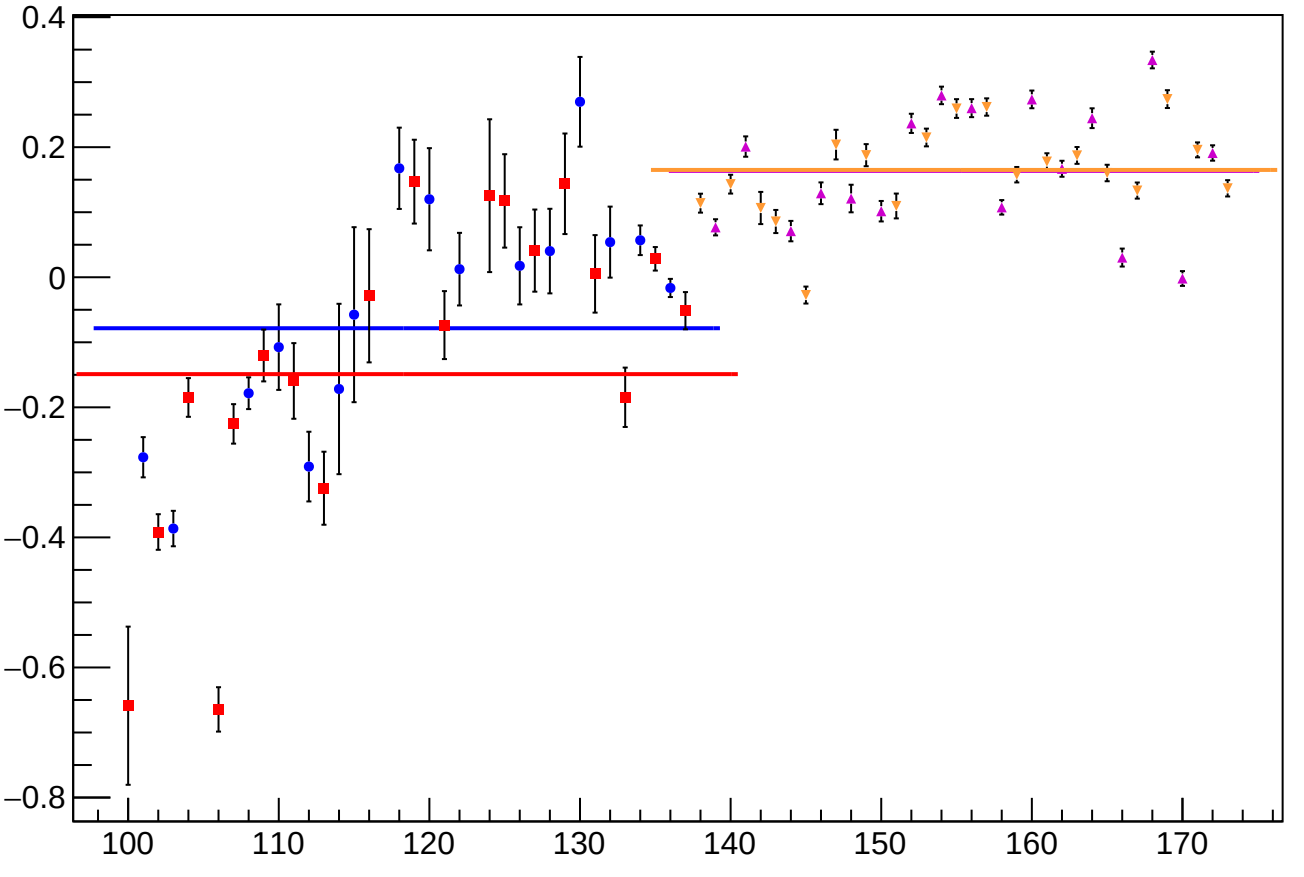
Left: -8.546+/-0.053 χ^2/NDF: 2373.0/35

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -7.585+/-0.070 χ^2/NDF:4479.3/32

Out: -8.099+/-0.067 χ^2/NDF:3626.9/37

All: -7.851+/-0.048 χ^2/NDF: 8134.5/70



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.165+/-0.003 χ^2/NDF:466.2/18

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.164+/-0.003 χ^2/NDF:866.4/16

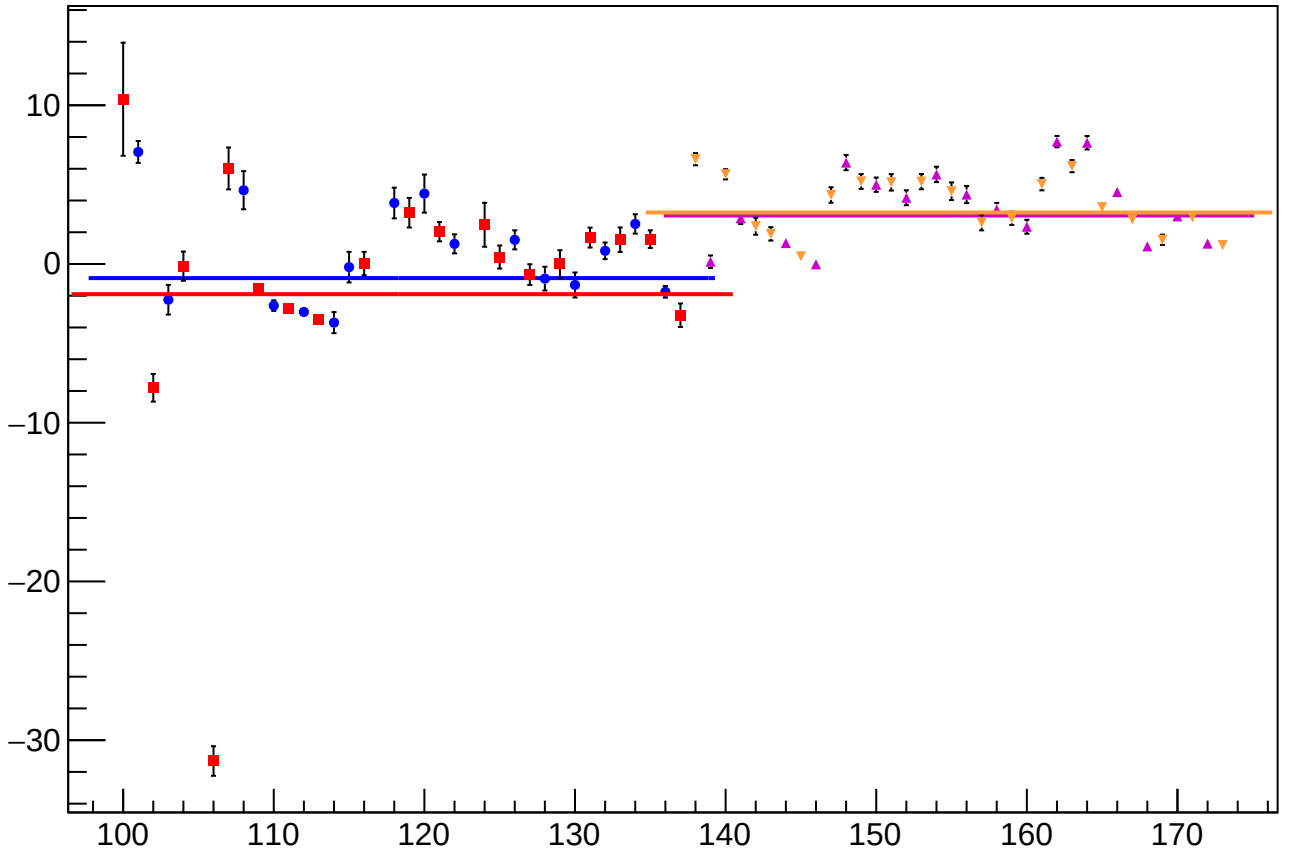
Left: 0.164+/-0.002 χ^2/NDF: 1332.7/35

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.132+/-0.003 χ^2/NDF:1877.5/32

Out: 0.129+/-0.003 χ^2/NDF:2052.8/37

All: 0.131+/-0.002 χ^2/NDF: 3930.7/70



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.244+/-0.083 χ^2/NDF:500.6/18

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.054+/-0.086 χ^2/NDF:704.4/16

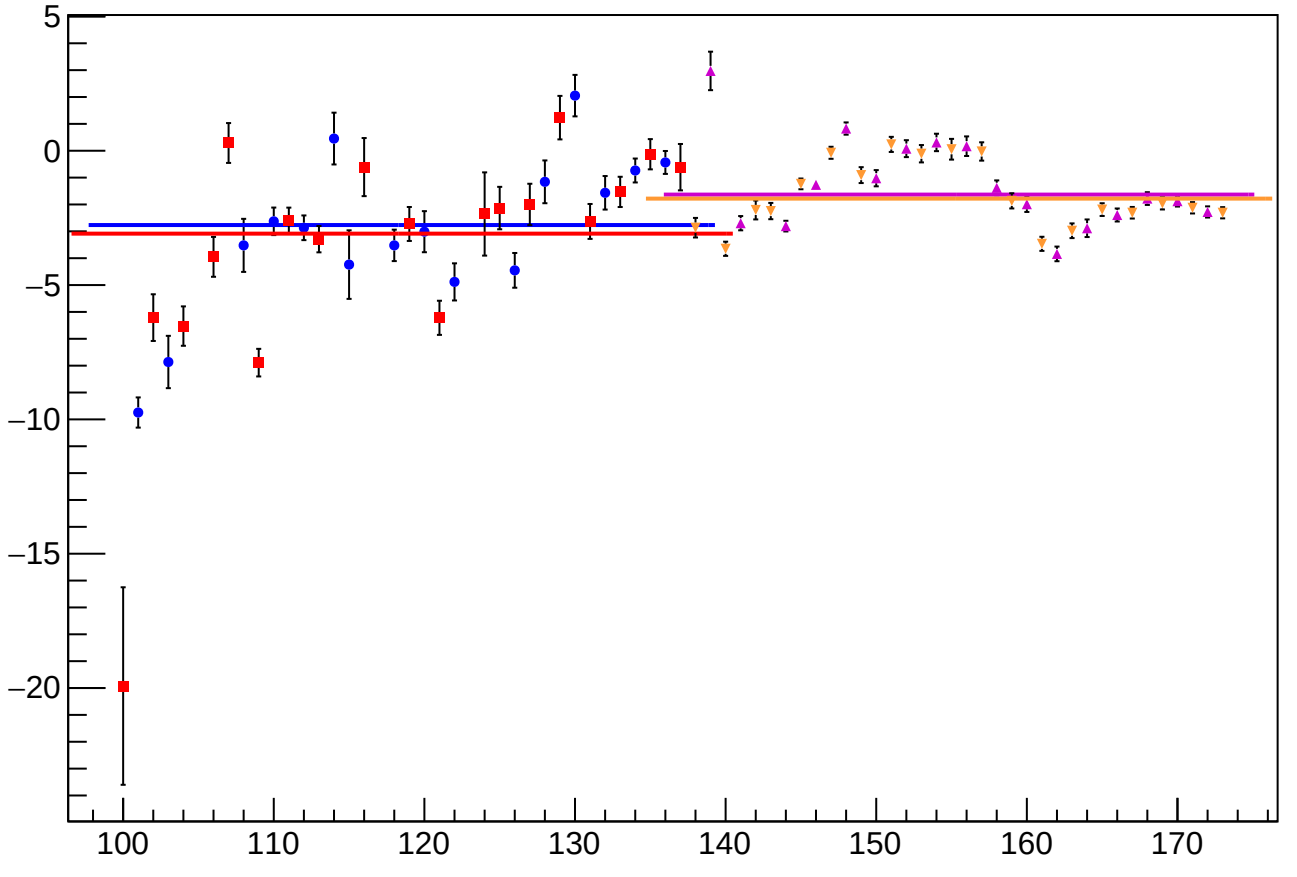
Left: 3.153+/-0.060 χ^2/NDF: 1207.5/35

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 1.927+/-0.073 χ^2/NDF:1679.8/32

Out: 1.724+/-0.070 χ^2/NDF:2965.4/37

All: 1.821+/-0.050 χ^2/NDF: 4649.2/70



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.782+/-0.060 χ^2/NDF:342.7/18

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -1.633+/-0.062 χ^2/NDF:410.1/16

Left: -1.710+/-0.043 χ^2/NDF: 755.8/35

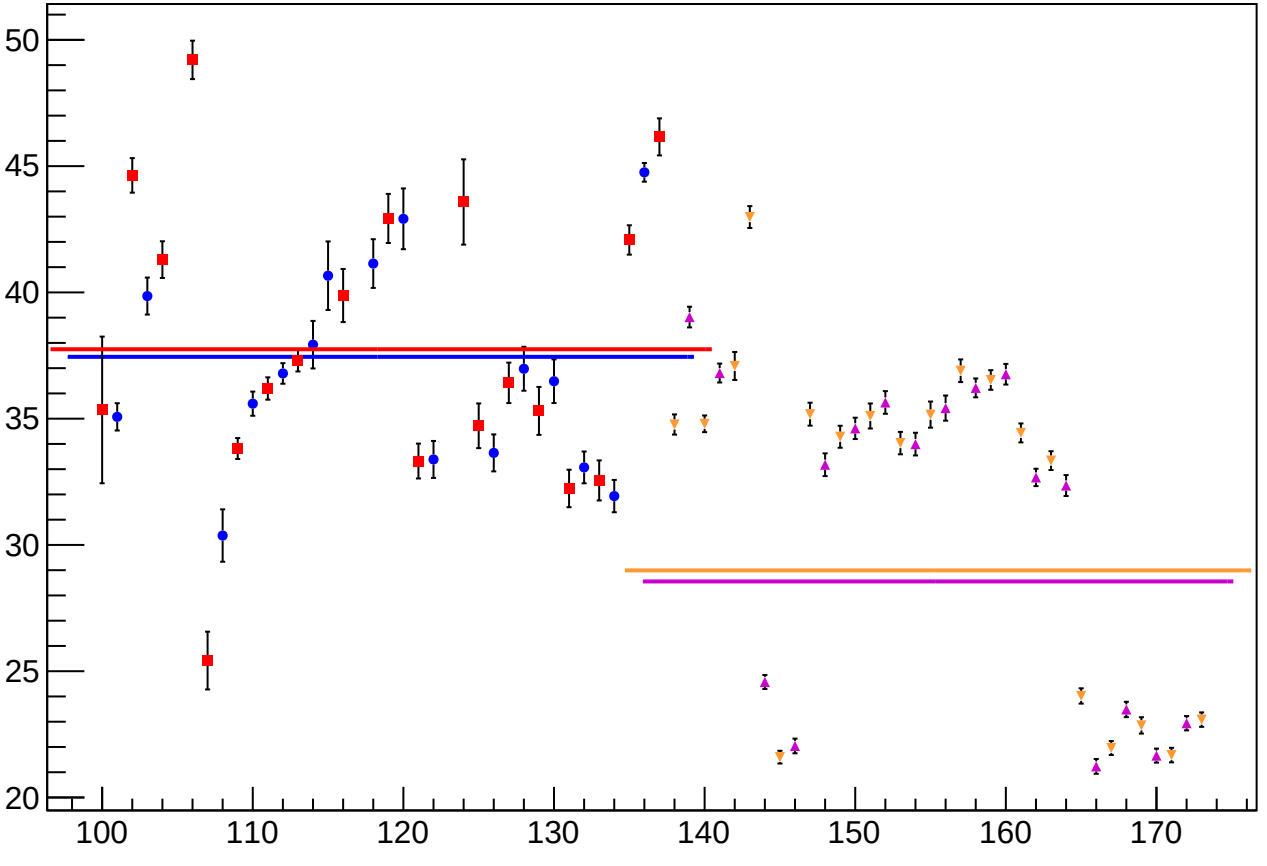
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -1.786+/-0.058 χ^2/NDF:765.6/32

Out: -1.946+/-0.056 χ^2/NDF:675.0/37

All: -1.869+/-0.040 χ^2/NDF: 1444.6/70

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 28.992+/-0.083 χ^2/NDF:6768.9/18

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 28.555+/-0.085 χ^2/NDF:5712.2/16

Left: 28.780+/-0.059 χ^2/NDF: 12494.7/35

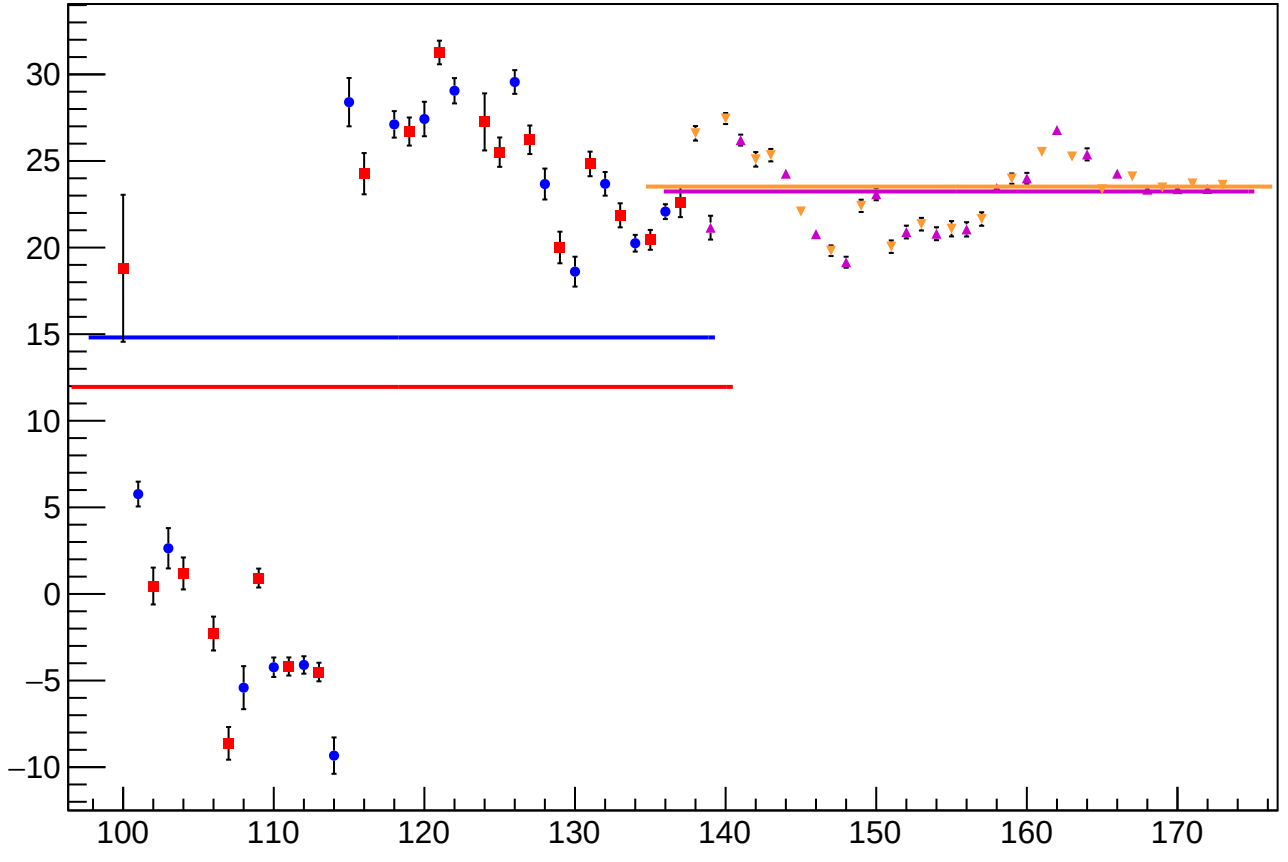
Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 30.506+/-0.075 χ^2/NDF:8809.8/32

Out: 30.847+/-0.073 χ^2/NDF:10110.9/37

All: 30.681+/-0.053 χ^2/NDF: 18931.3/70

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: 23.523+/-0.068 χ^2/NDF:716.1/18

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.239+/-0.071 χ^2/NDF:731.7/16

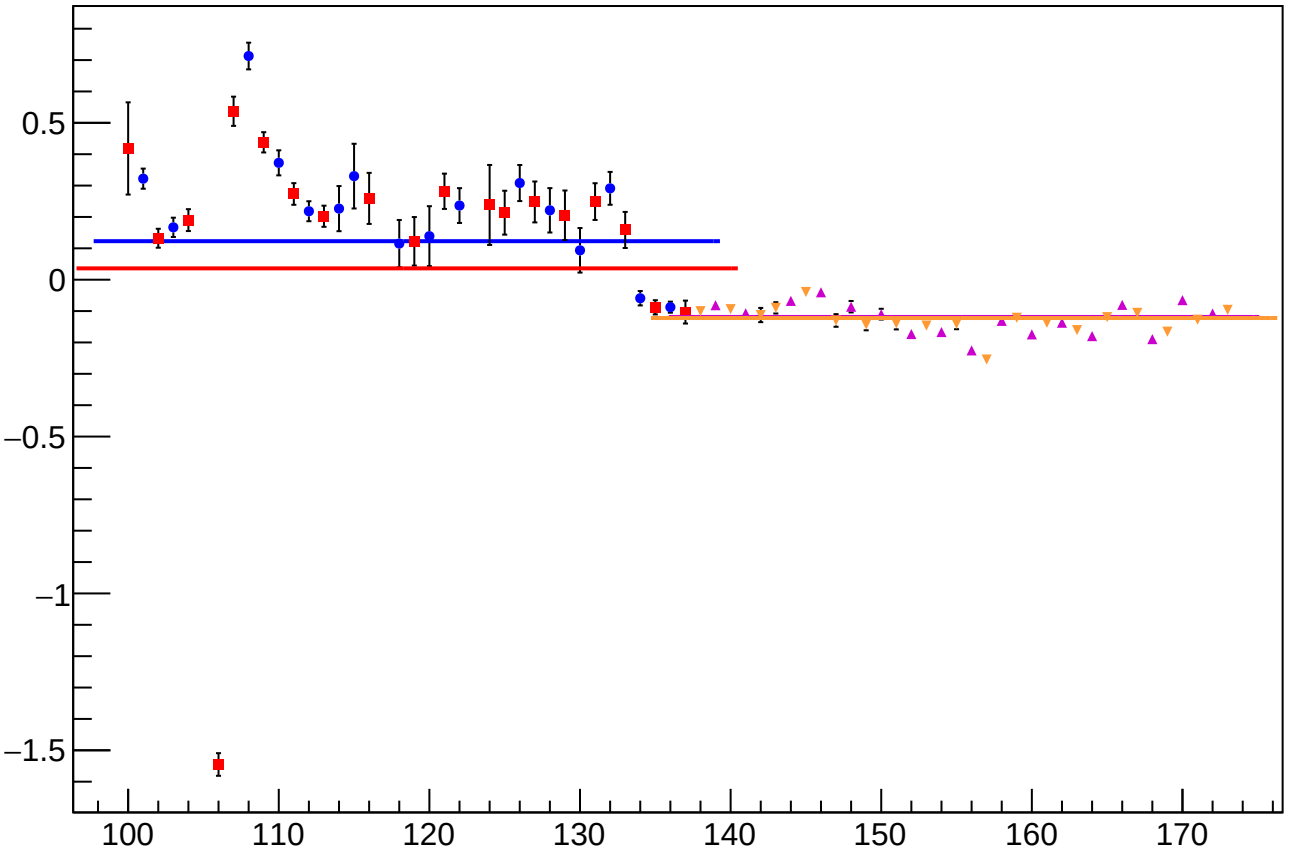
Left: 23.386+/-0.049 χ^2/NDF: 1456.1/35

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 22.045+/-0.065 χ^2/NDF:8434.0/32

Out: 22.037+/-0.063 χ^2/NDF:10551.5/37

All: 22.041+/-0.046 χ^2/NDF: 18985.5/70



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.122+/-0.003 χ^2/NDF:199.0/18

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.119+/-0.003 χ^2/NDF:256.2/16

Left: -0.121+/-0.002 χ^2/NDF: 455.7/35

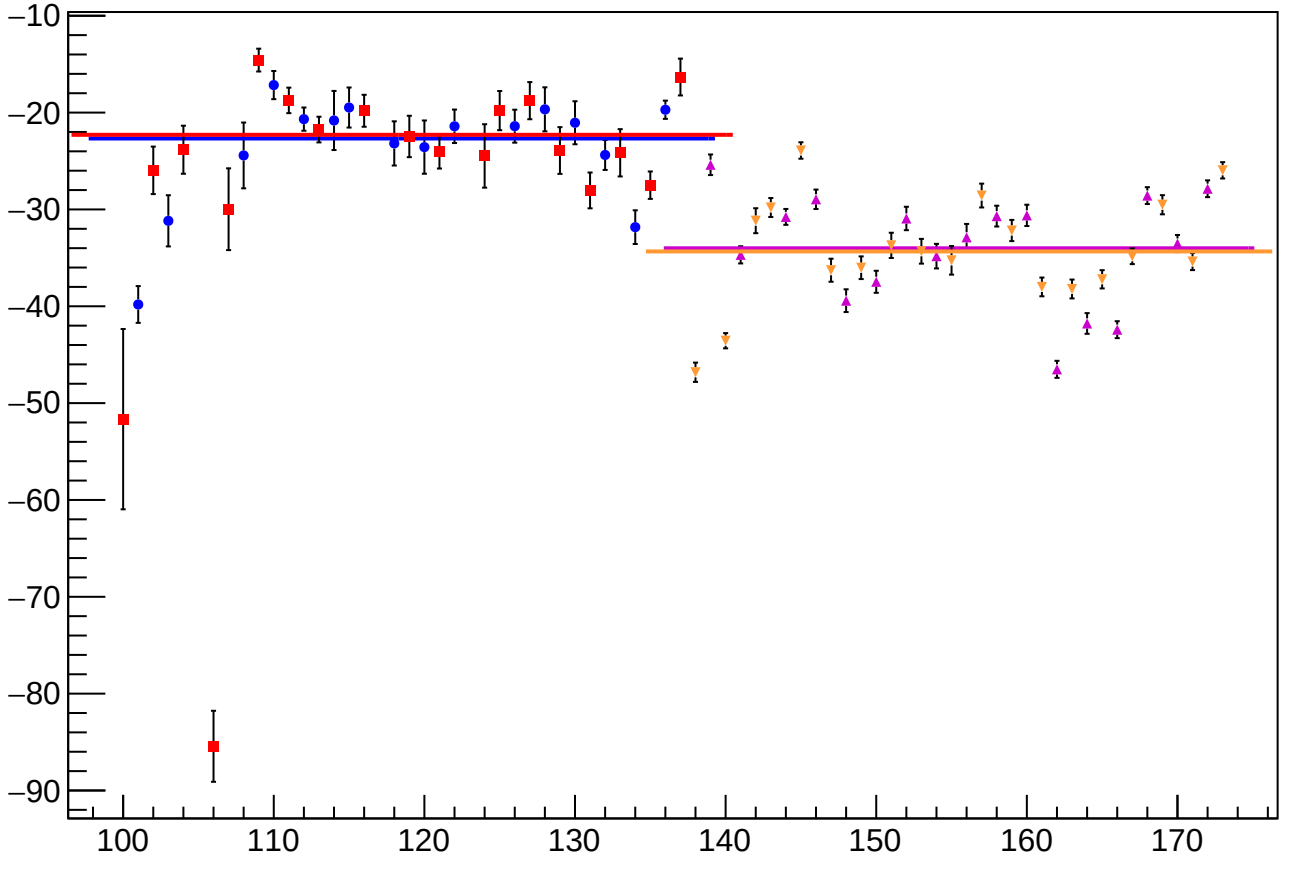
Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.094+/-0.003 χ^2/NDF:1368.0/32

Out: -0.108+/-0.003 χ^2/NDF:2852.5/37

All: -0.101+/-0.002 χ^2/NDF: 4231.4/70

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: -34.338+/-0.231 χ^2/NDF:667.5/18

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -34.014+/-0.242 χ^2/NDF:602.0/16

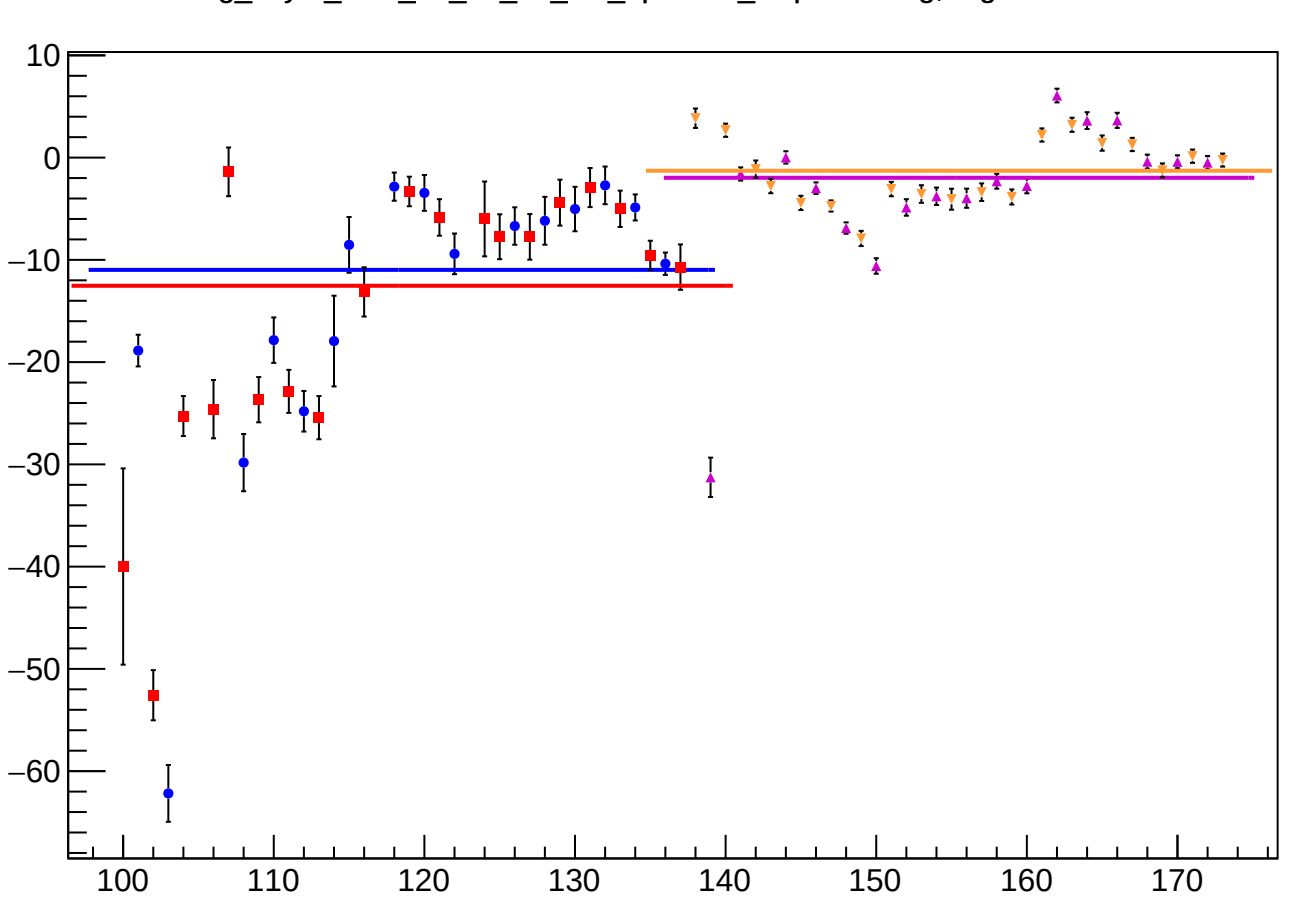
Left: -34.183+/-0.167 χ^2/NDF: 1270.3/35

Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -31.329+/-0.211 χ^2/NDF:1276.1/32

Out: -31.688+/-0.204 χ^2/NDF:1670.3/37

All: -31.515+/-0.147 χ^2/NDF: 2947.9/70



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -1.285+/-0.164 χ^2/NDF:356.7/18

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -1.972+/-0.172 χ^2/NDF:739.9/16

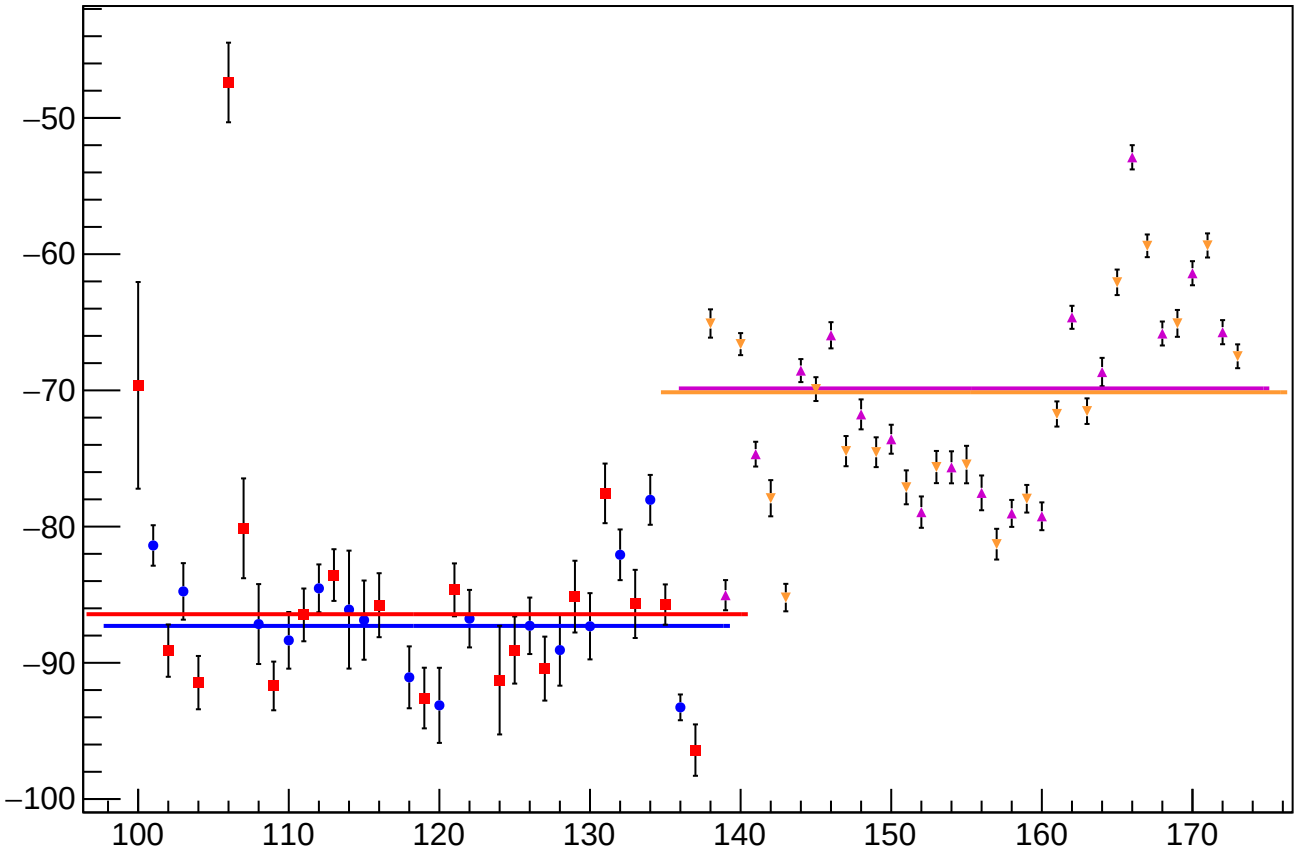
Left: -1.613+/-0.119 χ^2/NDF: 1105.0/35

Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -3.105+/-0.161 χ^2/NDF:1672.2/32

Out: -2.457+/-0.155 χ^2/NDF:1418.6/37

All: -2.769+/-0.112 χ^2/NDF: 3099.3/70



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -70.139+/-0.229 χ^2/NDF:986.4/18

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -69.857+/-0.238 χ^2/NDF:1080.2/16

Left: -70.003+/-0.165 χ^2/NDF: 2067.3/35

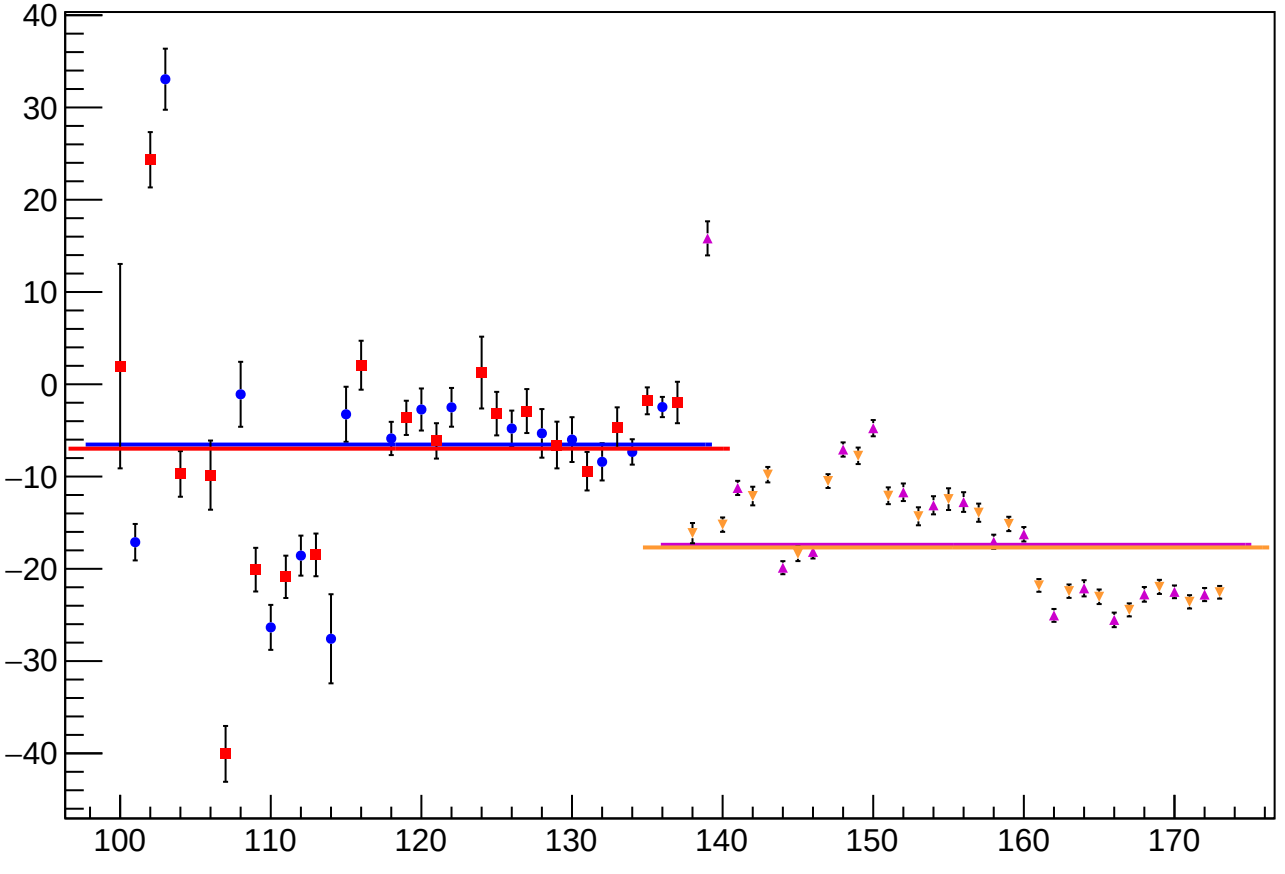
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -73.280+/-0.213 χ^2/NDF:2238.9/32

Out: -72.905+/-0.208 χ^2/NDF:2112.2/37

All: -73.089+/-0.149 χ^2/NDF: 4352.7/70

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: -17.684+/-0.188 χ^2/NDF:804.3/18

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -17.399+/-0.197 χ^2/NDF:1273.0/16

Left: -17.549+/-0.136 χ^2/NDF: 2078.4/35

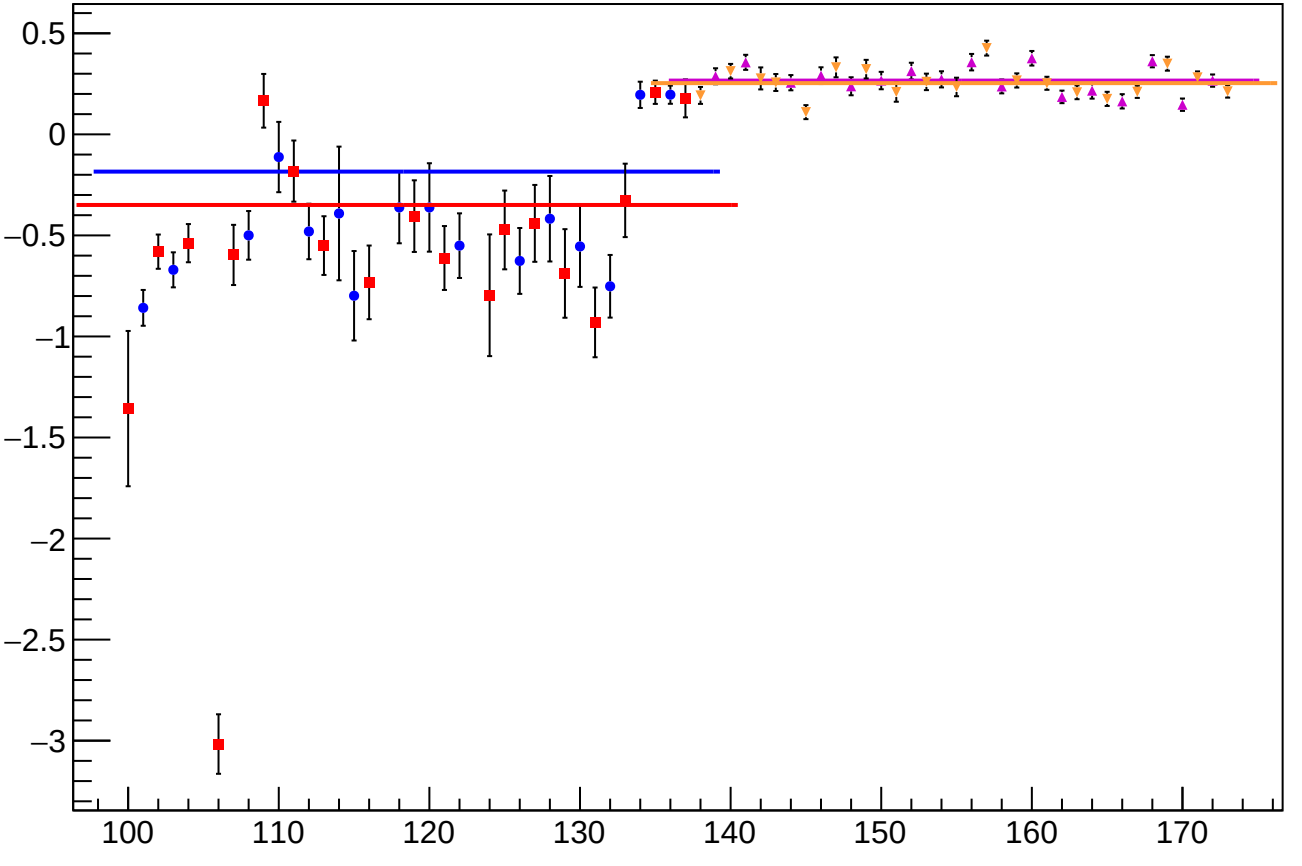
Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -15.979+/-0.184 χ^2/NDF:1984.7/32

Out: -16.539+/-0.177 χ^2/NDF:1521.4/37

All: -16.269+/-0.128 χ^2/NDF: 3511.0/70

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: 0.253+/-0.009 χ^2/NDF:69.2/18

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.266+/-0.009 χ^2/NDF:65.2/16

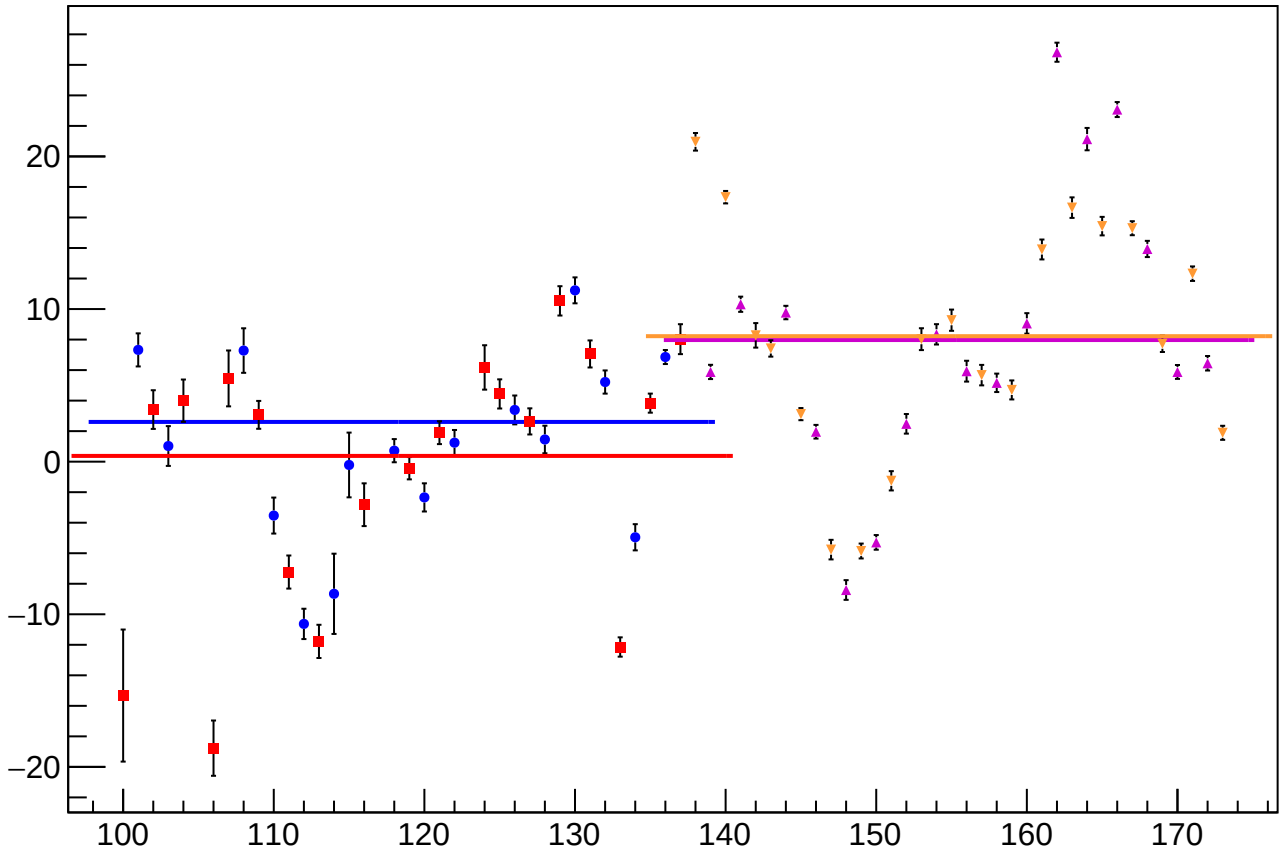
Left: 0.260+/-0.006 χ^2/NDF: 135.5/35

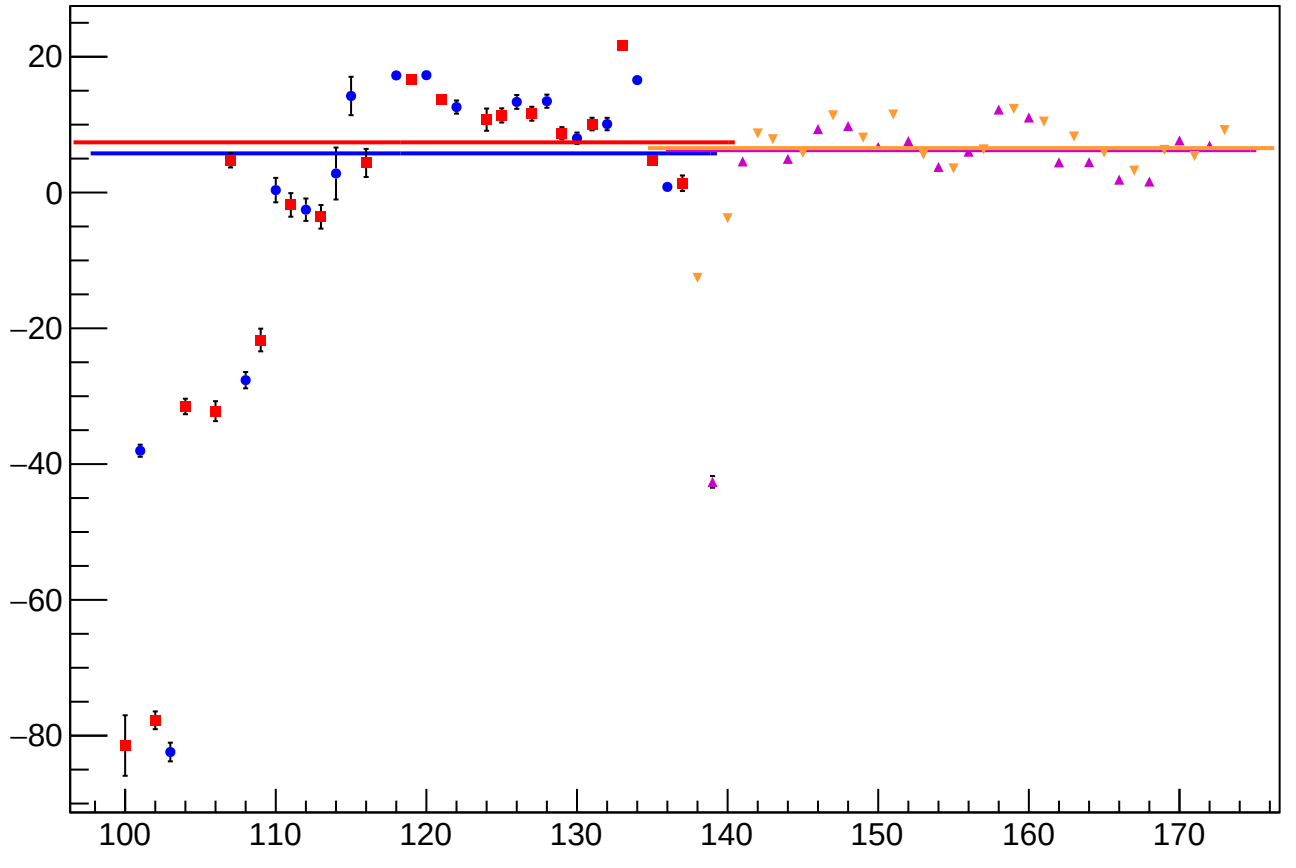
Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.222+/-0.008 χ^2/NDF:567.8/32

Out: 0.206+/-0.008 χ^2/NDF:975.5/37

All: 0.214+/-0.006 χ^2/NDF: 1545.0/70


reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: 2.604+/-0.224 χ²/NDF: 573.1/15
Left Out: 8.222+/-0.126 χ²/NDF:3609.3/18
Right Out: 0.377+/-0.222 χ²/NDF: 1030.9/18
Left In: 7.969+/-0.131 χ²/NDF:4082.5/16
Left: 8.100+/-0.091 χ²/NDF: 7693.8/35
Right: 1.481+/-0.158 χ²/NDF: 1653.8/34
In: 6.609+/-0.113 χ²/NDF:5083.5/32
Out: 6.311+/-0.110 χ²/NDF:5582.8/37
All: 6.456+/-0.079 χ²/NDF: 10669.9/70



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 6.546+/-0.090 χ^2/NDF:2975.5/18

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 6.239+/-0.094 χ^2/NDF:4179.5/16

Left: 6.399+/-0.065 χ^2/NDF: 7160.5/35

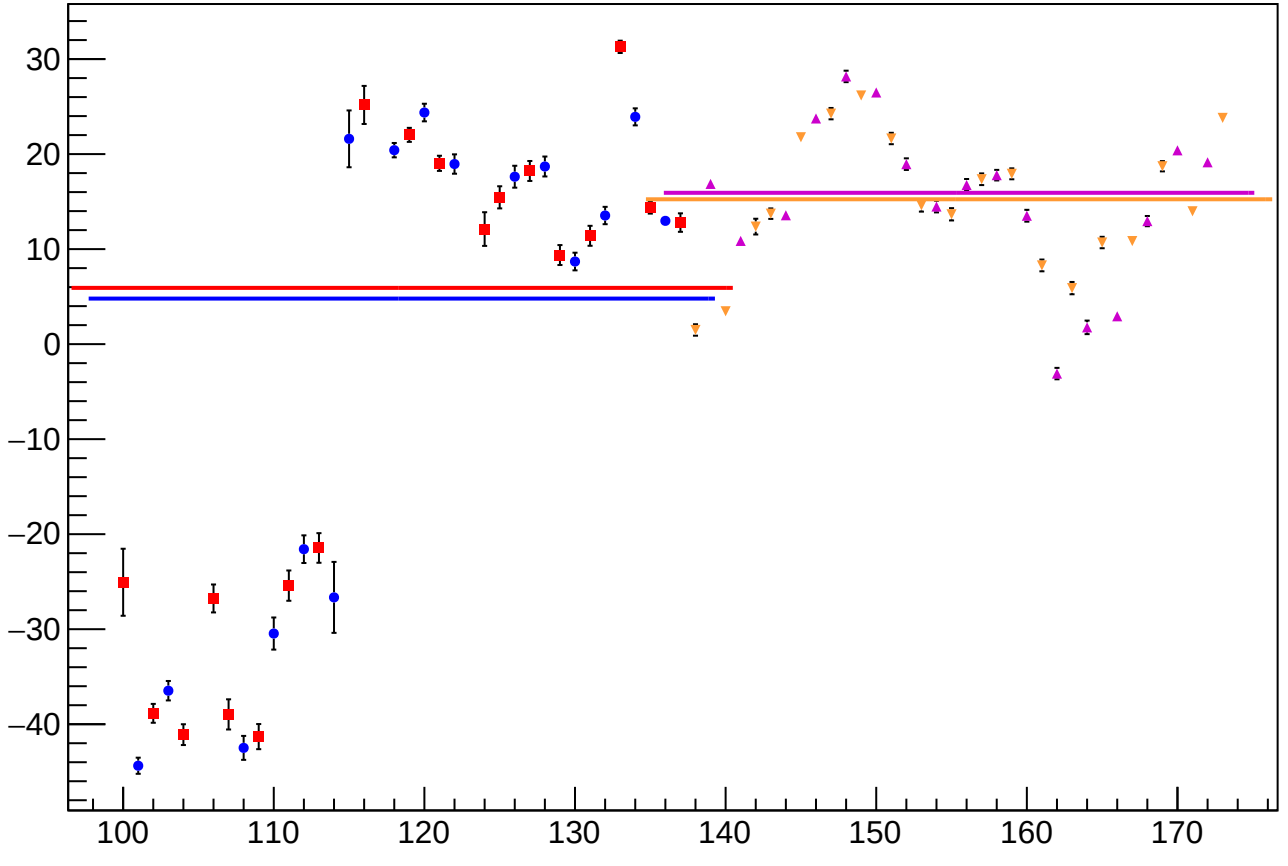
Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 6.160+/-0.086 χ^2/NDF:13117.5/32

Out: 6.679+/-0.083 χ^2/NDF:11379.9/37

All: 6.429+/-0.060 χ^2/NDF: 24516.4/70

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 15.244+/-0.125 χ^2/NDF:3386.7/18

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 15.926+/-0.128 χ^2/NDF:3715.7/16

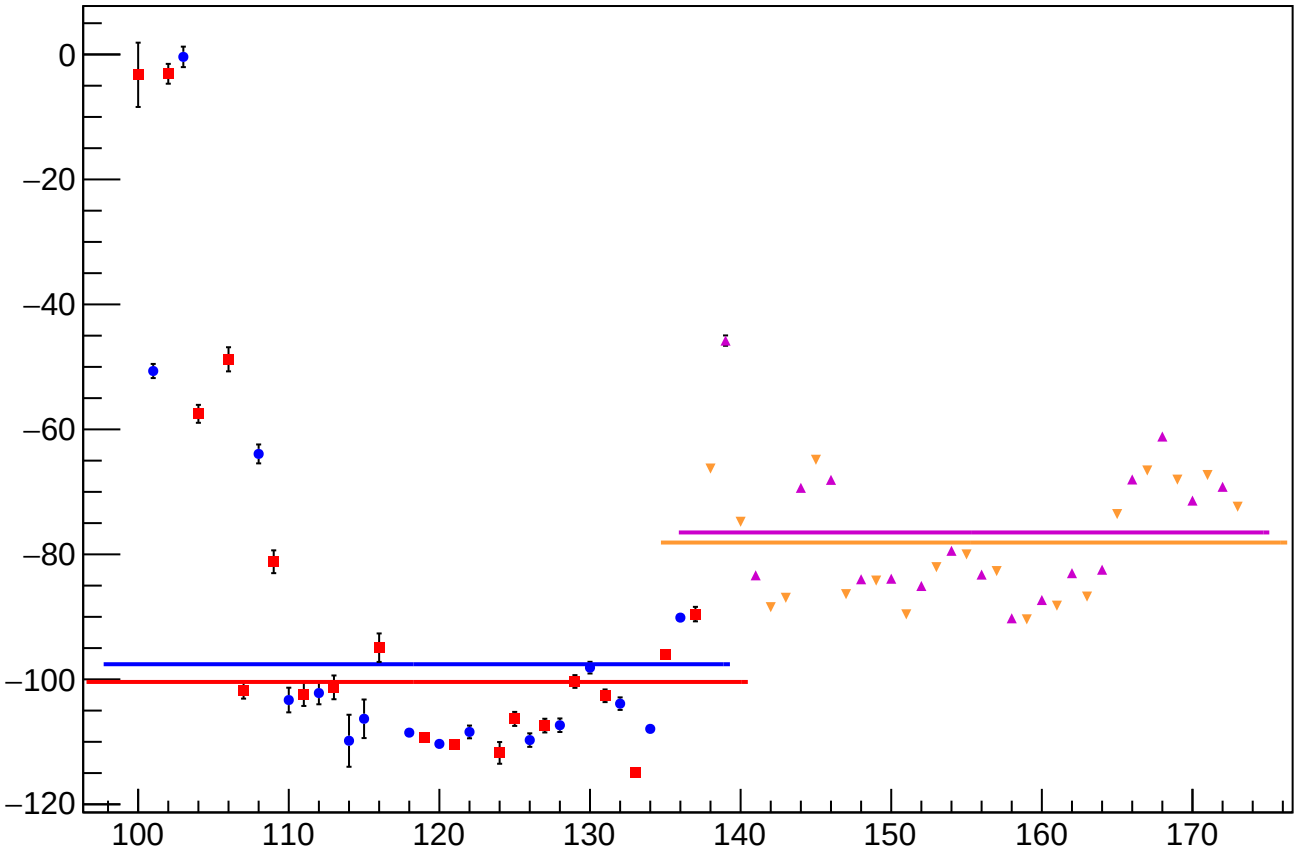
Left: 15.576+/-0.089 χ^2/NDF: 7117.0/35

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 13.412+/-0.113 χ^2/NDF:14914.9/32

Out: 13.260+/-0.111 χ^2/NDF:14635.1/37

All: 13.335+/-0.079 χ^2/NDF: 29550.9/70



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -78.109+/-0.103 χ^2/NDF:7737.1/18

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -76.495+/-0.108 χ^2/NDF:7457.6/16

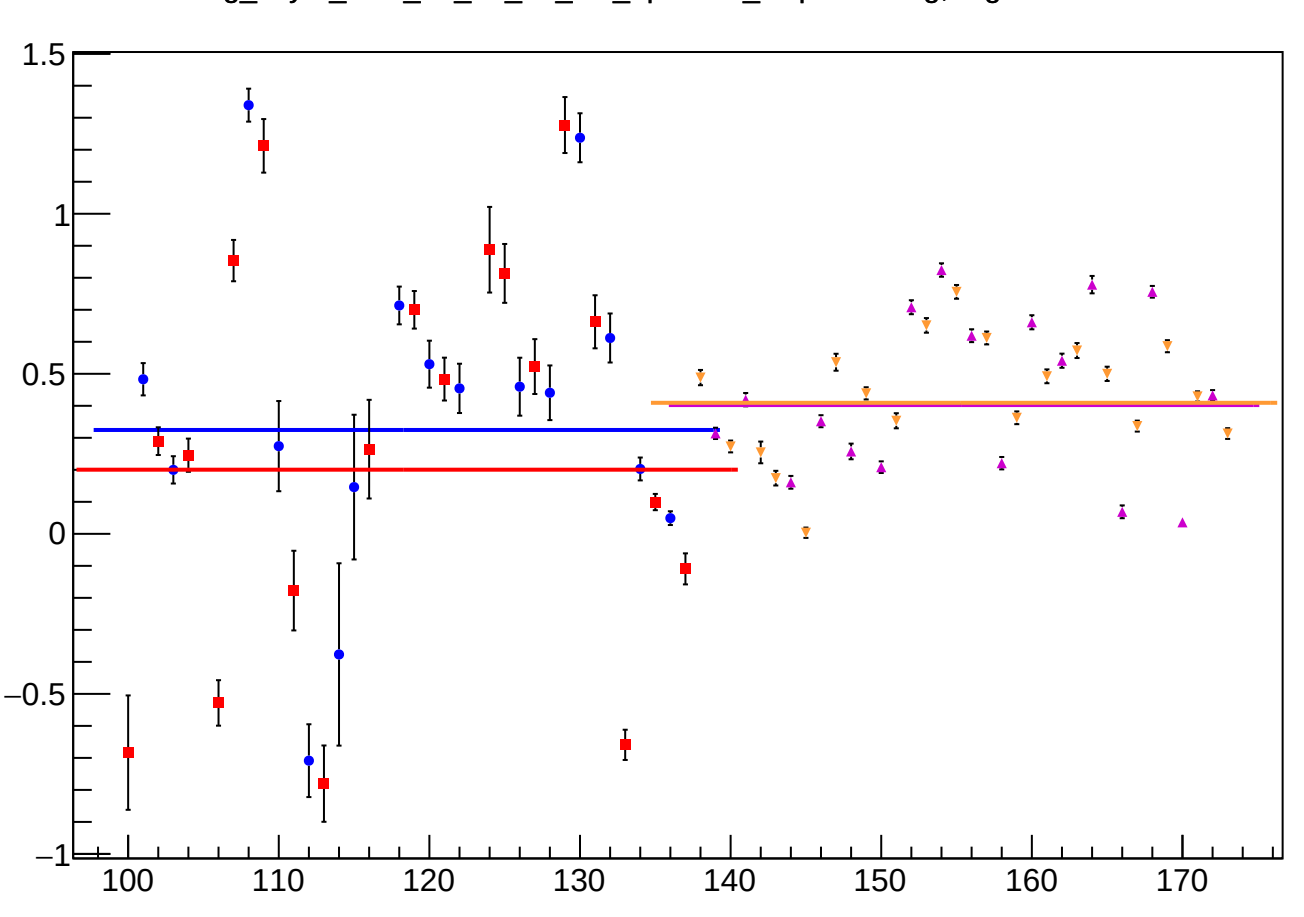
Left: -77.336+/-0.075 χ^2/NDF: 15311.5/35

Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -79.994+/-0.098 χ^2/NDF:20950.4/32

Out: -81.575+/-0.095 χ^2/NDF:22091.8/37

All: -80.813+/-0.068 χ^2/NDF: 43175.8/70



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.409+/-0.005 χ^2/NDF:1548.2/18

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.402+/-0.005 χ^2/NDF:2697.0/16

Left: 0.406+/-0.003 χ^2/NDF: 4246.4/35

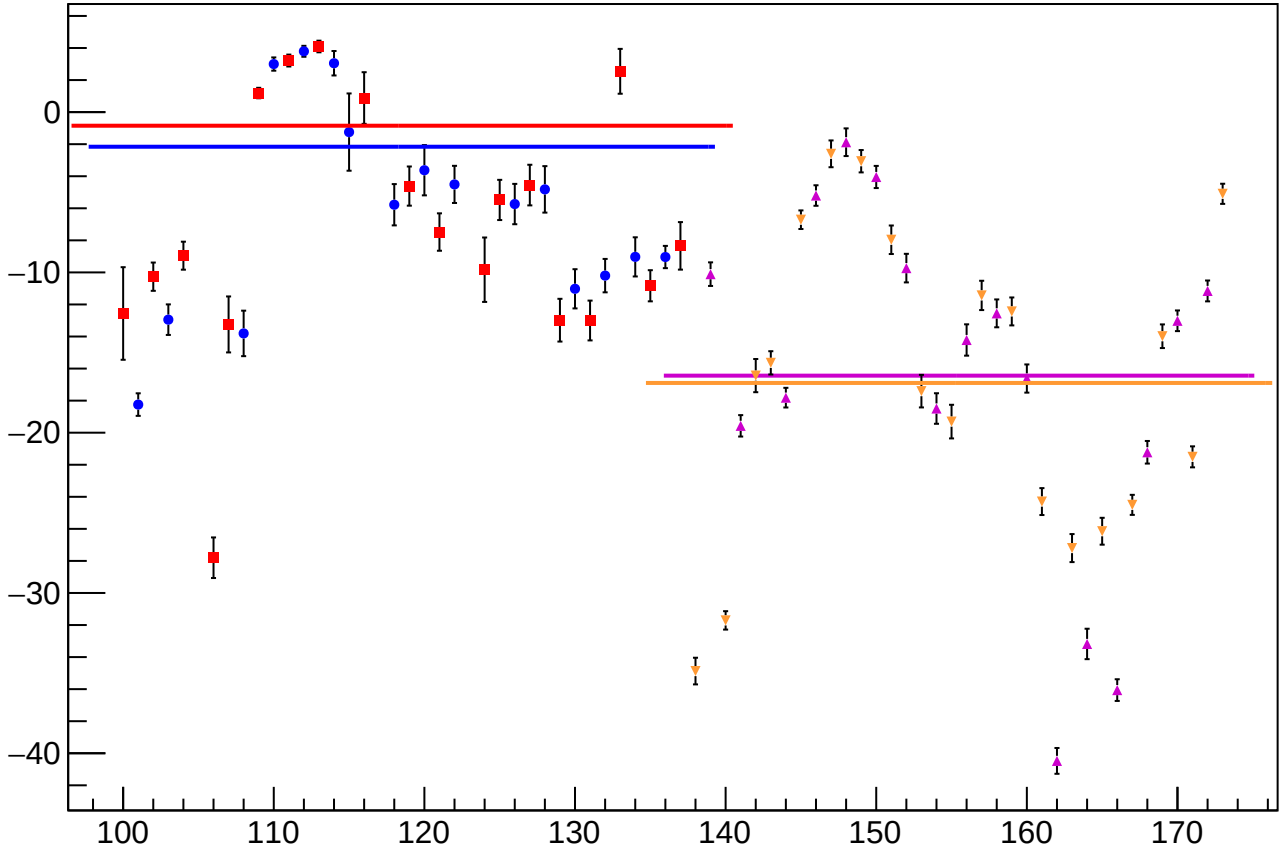
Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.393+/-0.005 χ^2/NDF:3613.9/32

Out: 0.388+/-0.004 χ^2/NDF:2959.1/37

All: 0.391+/-0.003 χ^2/NDF: 6573.7/70

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: -16.897+/-0.175 χ^2/NDF:3202.9/18

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -16.441+/-0.182 χ^2/NDF:3283.2/16

Left: -16.678+/-0.126 χ^2/NDF: 6489.3/35

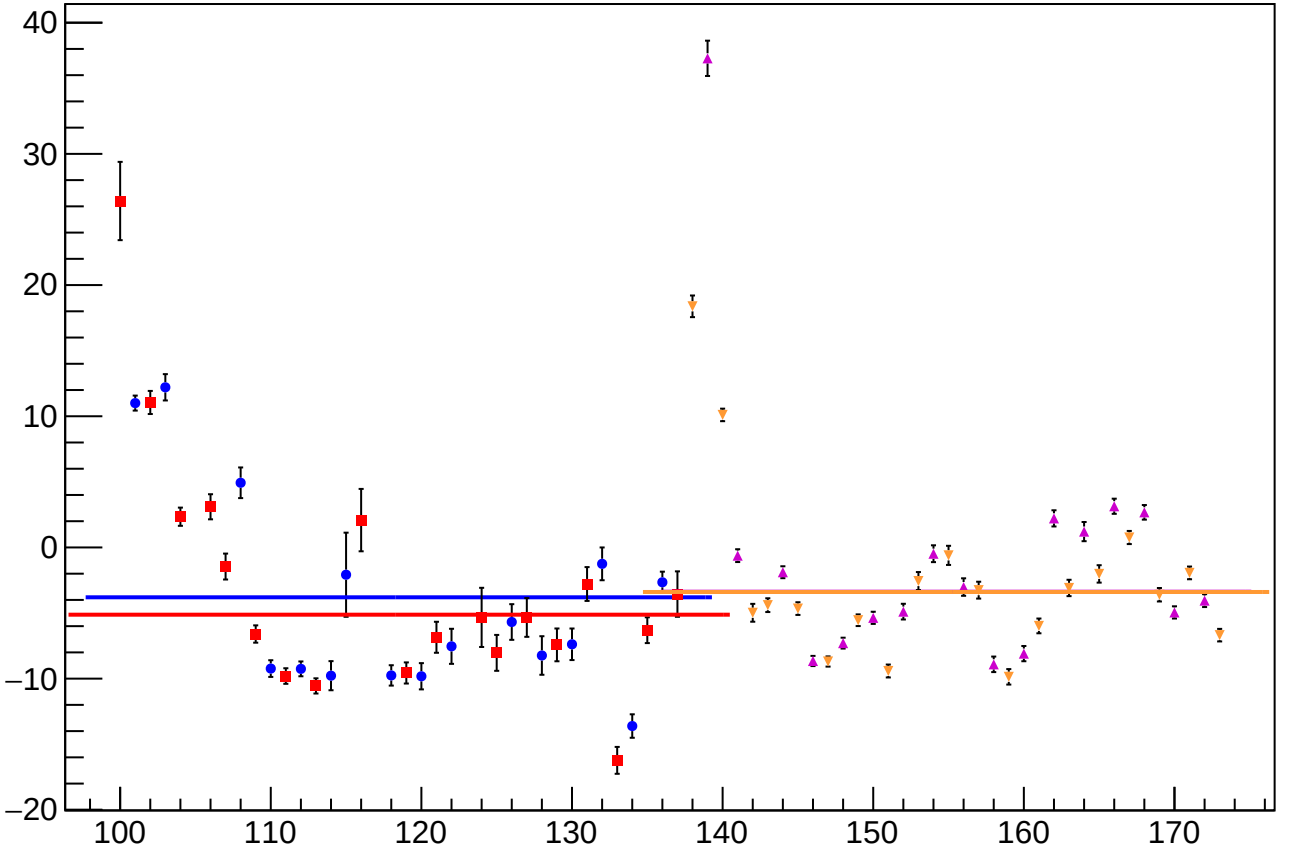
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -9.688+/-0.132 χ^2/NDF:7691.7/32

Out: -8.681+/-0.122 χ^2/NDF:8997.3/37

All: -9.145+/-0.090 χ^2/NDF: 16720.5/70

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: -3.395+/-0.124 χ^2/NDF:2156.5/18

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: -3.374+/-0.130 χ^2/NDF:1809.0/16

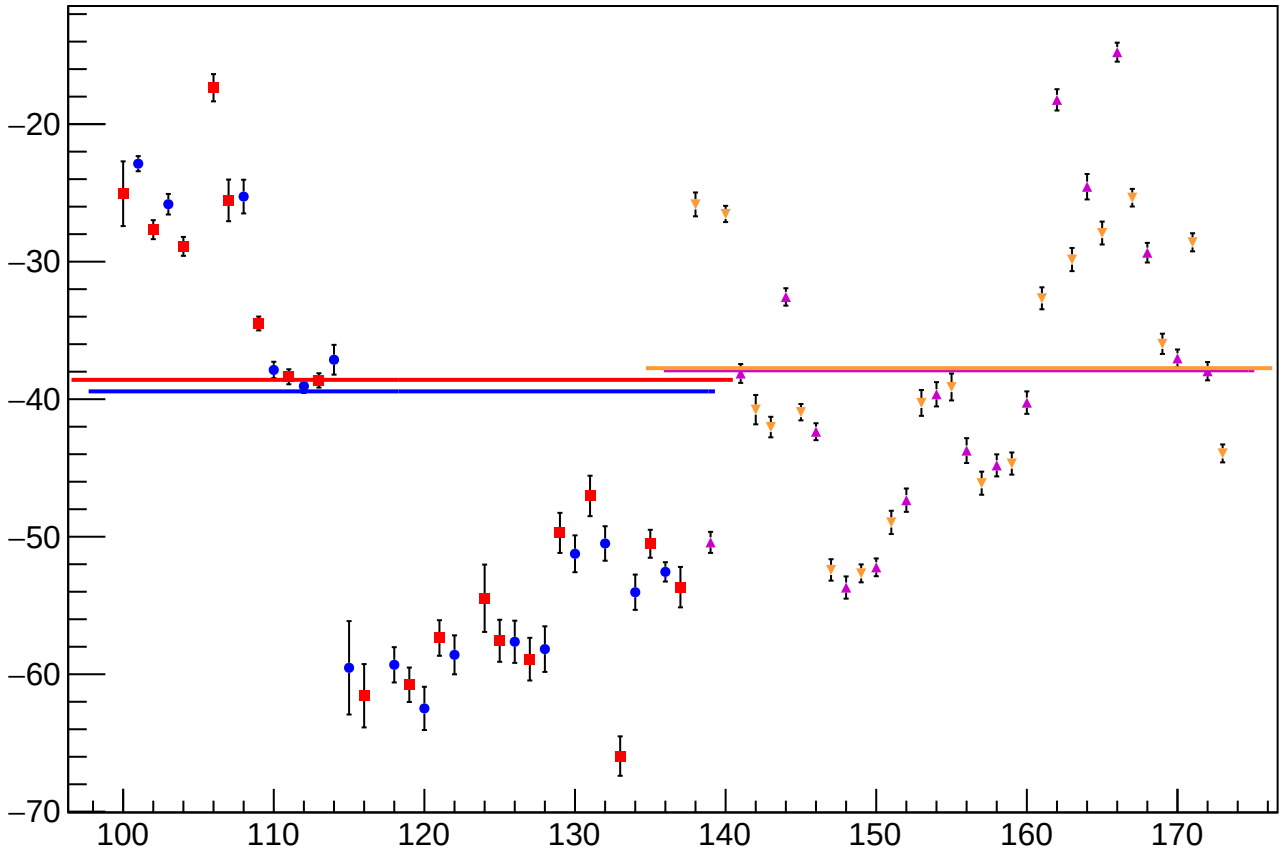
Left: -3.385+/-0.089 χ^2/NDF: 3965.5/35

Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -3.480+/-0.112 χ^2/NDF:3237.2/32

Out: -3.814+/-0.108 χ^2/NDF:3184.5/37

All: -3.654+/-0.078 χ^2/NDF: 6426.3/70



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -37.743+/-0.173 χ^2/NDF:2785.7/18

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -37.898+/-0.178 χ^2/NDF:3637.5/16

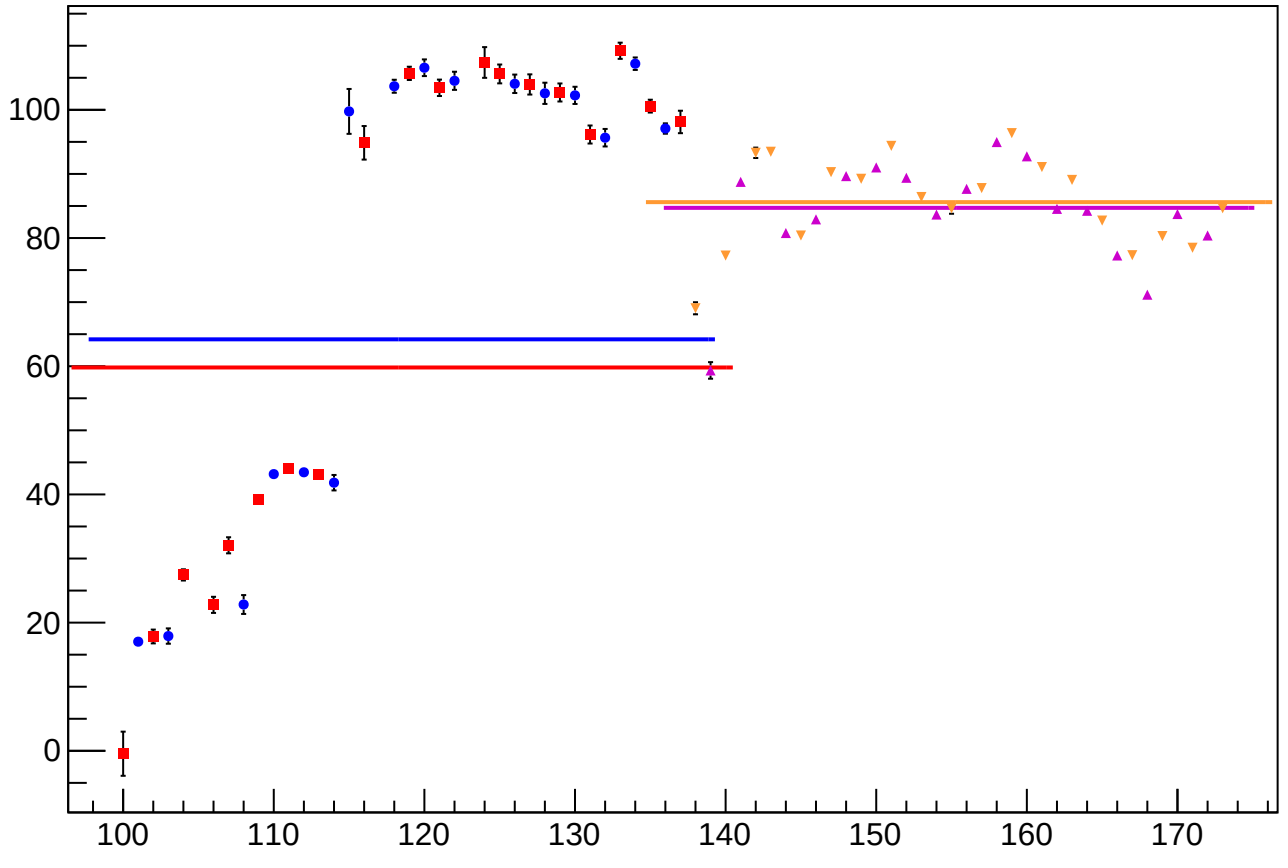
Left: -37.818+/-0.124 χ^2/NDF: 6423.6/35

Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -38.489+/-0.140 χ^2/NDF:6624.0/32

Out: -38.080+/-0.134 χ^2/NDF:5567.5/37

All: -38.276+/-0.097 χ^2/NDF: 12195.9/70



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 85.601+/-0.142 χ^2/NDF:2113.3/18

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 84.710+/-0.149 χ^2/NDF:1865.6/16

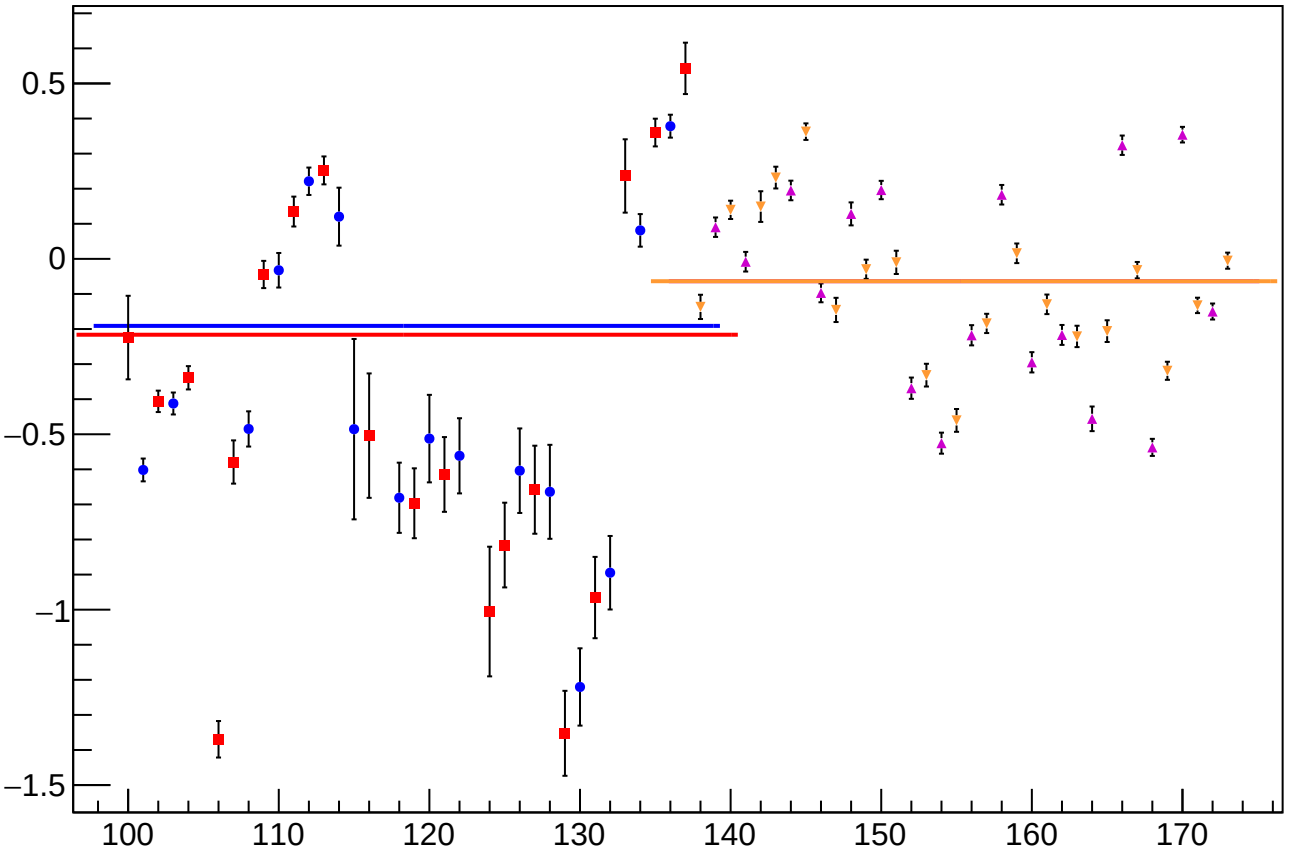
Left: 85.175+/-0.103 χ^2/NDF: 3997.6/35

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 79.571+/-0.129 χ^2/NDF:25218.7/32

Out: 79.247+/-0.123 χ^2/NDF:27650.2/37

All: 79.402+/-0.089 χ^2/NDF: 52872.2/70



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.064+/-0.006 χ^2/NDF:931.1/18

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: -0.064+/-0.007 χ^2/NDF:1859.8/16

Left: -0.064+/-0.005 χ^2/NDF: 2790.9/35

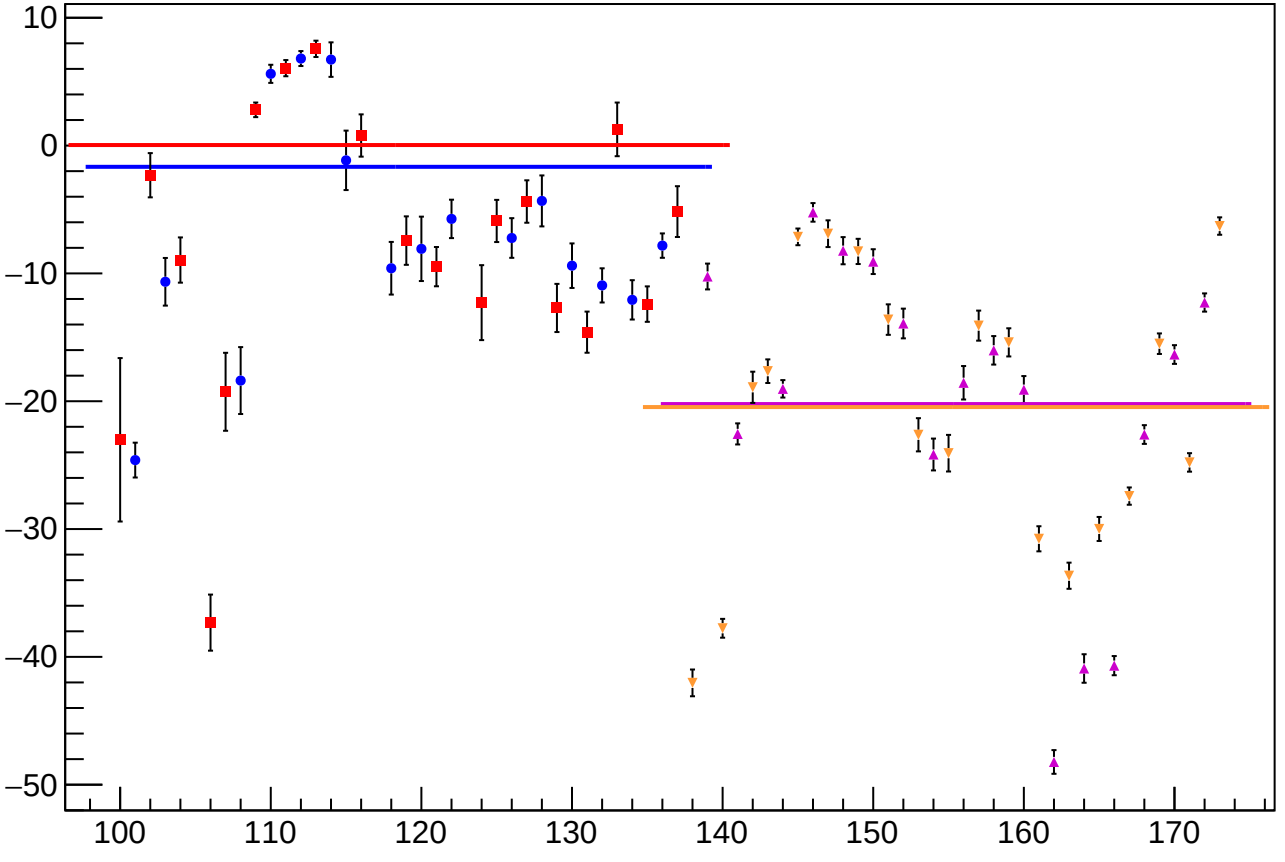
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.089+/-0.006 χ^2/NDF:2850.2/32

Out: -0.094+/-0.006 χ^2/NDF:2410.5/37

All: -0.092+/-0.004 χ^2/NDF: 5261.1/70

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: -20.457+/-0.208 χ^2/NDF:2807.5/18

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -20.222+/-0.216 χ^2/NDF:3011.9/16

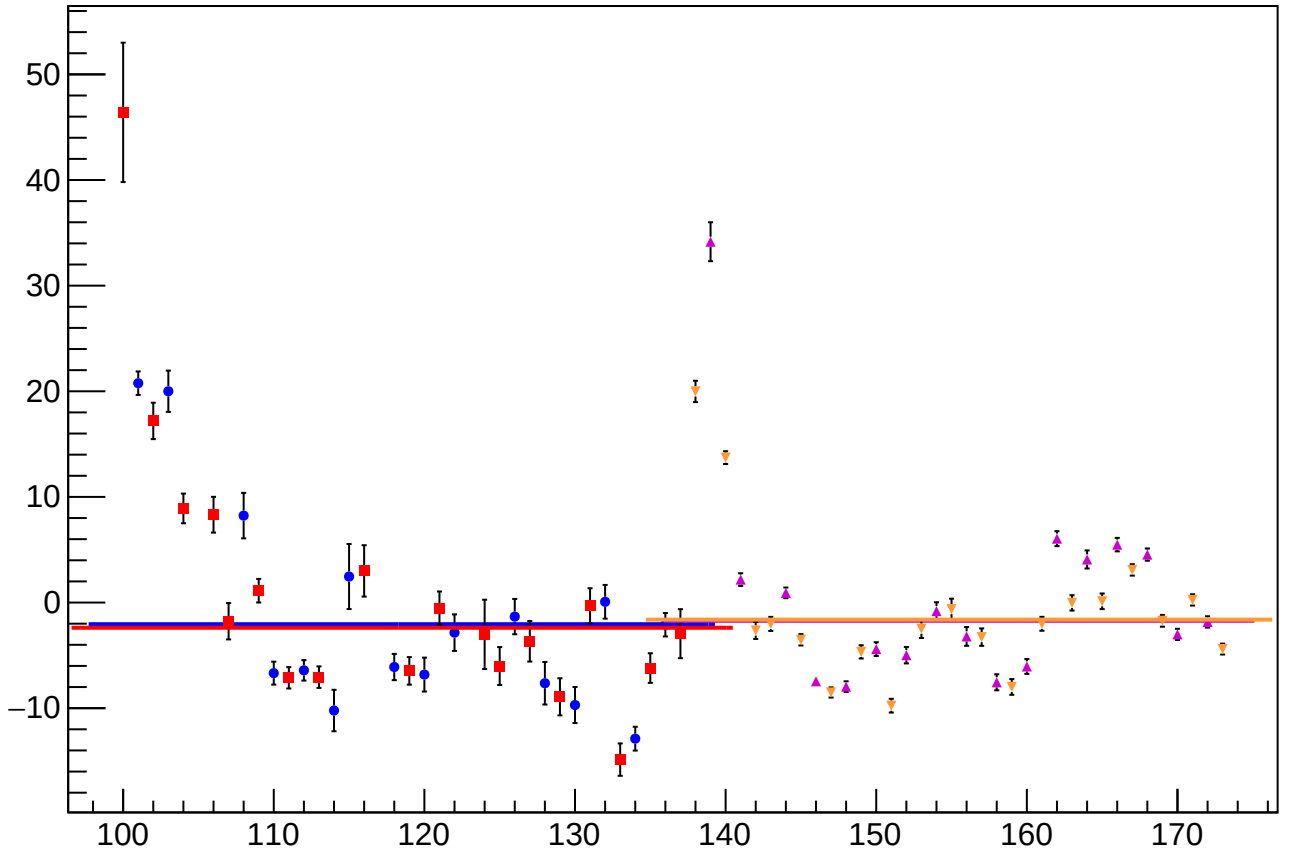
Left: -20.343+/-0.150 χ^2/NDF: 5820.0/35

Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -14.121+/-0.177 χ^2/NDF:6349.0/32

Out: -13.235+/-0.167 χ^2/NDF:7163.5/37

All: -13.654+/-0.121 χ^2/NDF: 13525.8/70



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -1.618+/-0.148 χ^2/NDF:1698.6/18

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -1.723+/-0.153 χ^2/NDF:1331.2/16

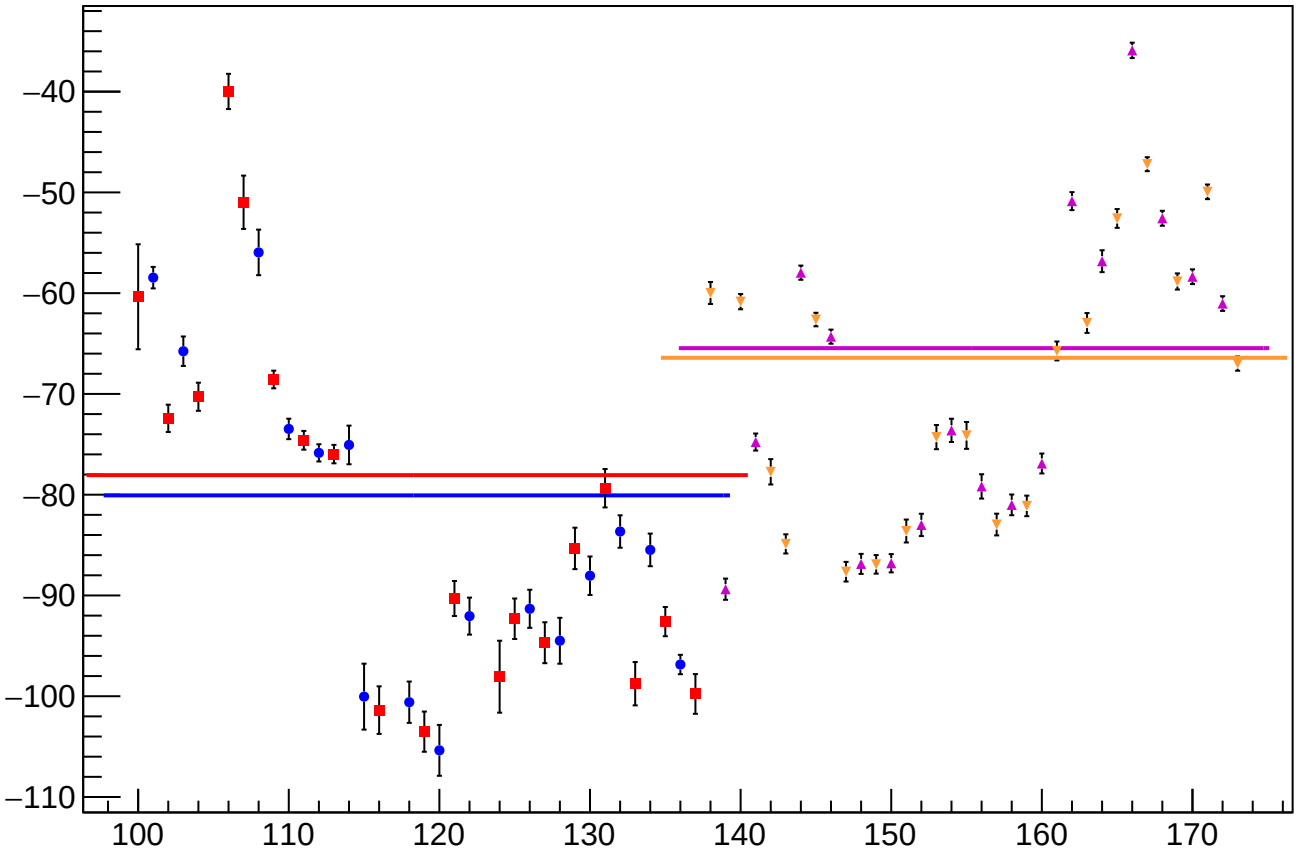
Left: -1.669+/-0.106 χ^2/NDF: 3030.0/35

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -1.774+/-0.141 χ^2/NDF:2103.8/32

Out: -1.731+/-0.137 χ^2/NDF:2153.5/37

All: -1.752+/-0.098 χ^2/NDF: 4257.4/70



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -66.414+/-0.206 χ^2/NDF:3898.0/18

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -65.456+/-0.212 χ^2/NDF:4819.4/16

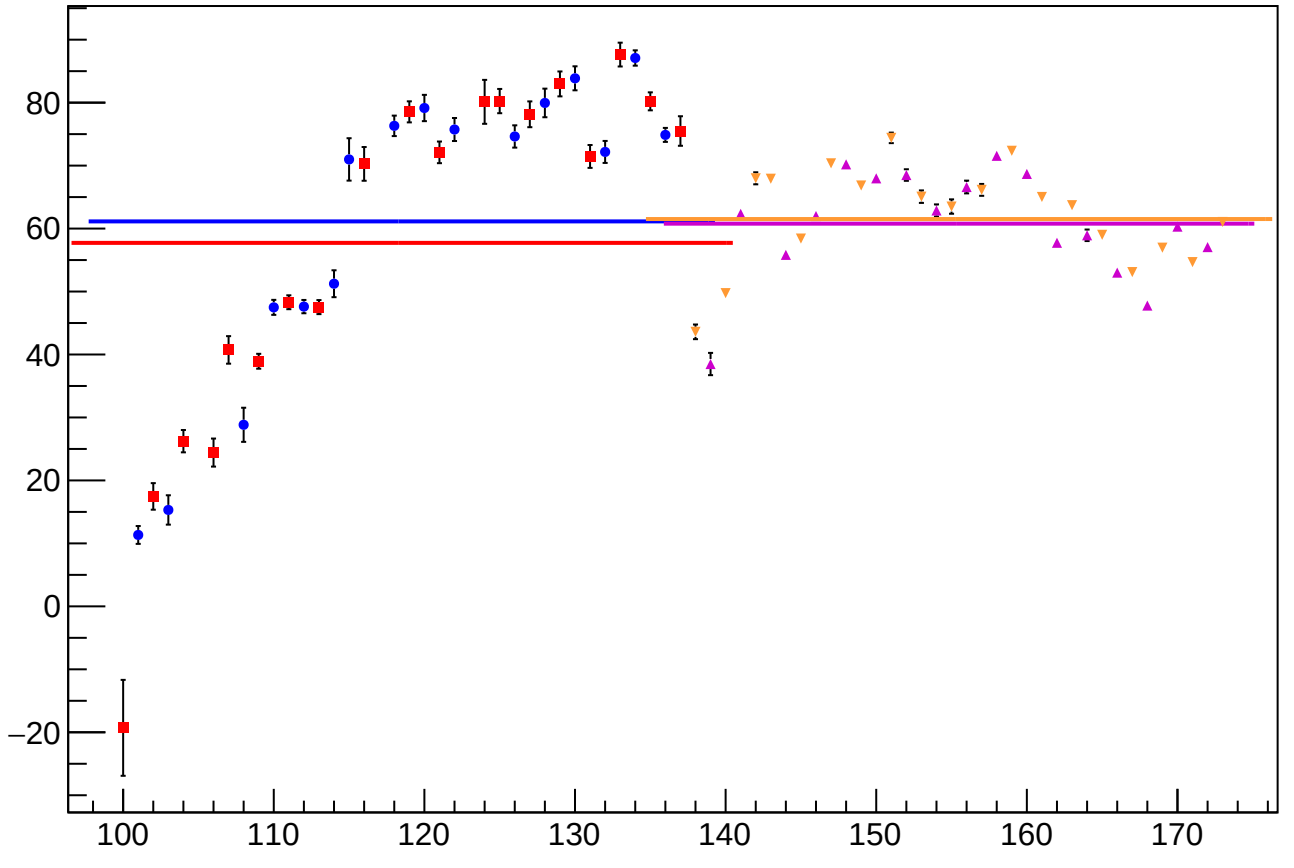
Left: -65.948+/-0.148 χ^2/NDF: 8727.9/35

Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -69.160+/-0.183 χ^2/NDF:7407.1/32

Out: -69.376+/-0.178 χ^2/NDF:6268.3/37

All: -69.271+/-0.128 χ^2/NDF: 13676.0/70



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 61.514+/-0.169 χ^2/NDF:1766.2/18

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 60.780+/-0.176 χ^2/NDF:1477.4/16

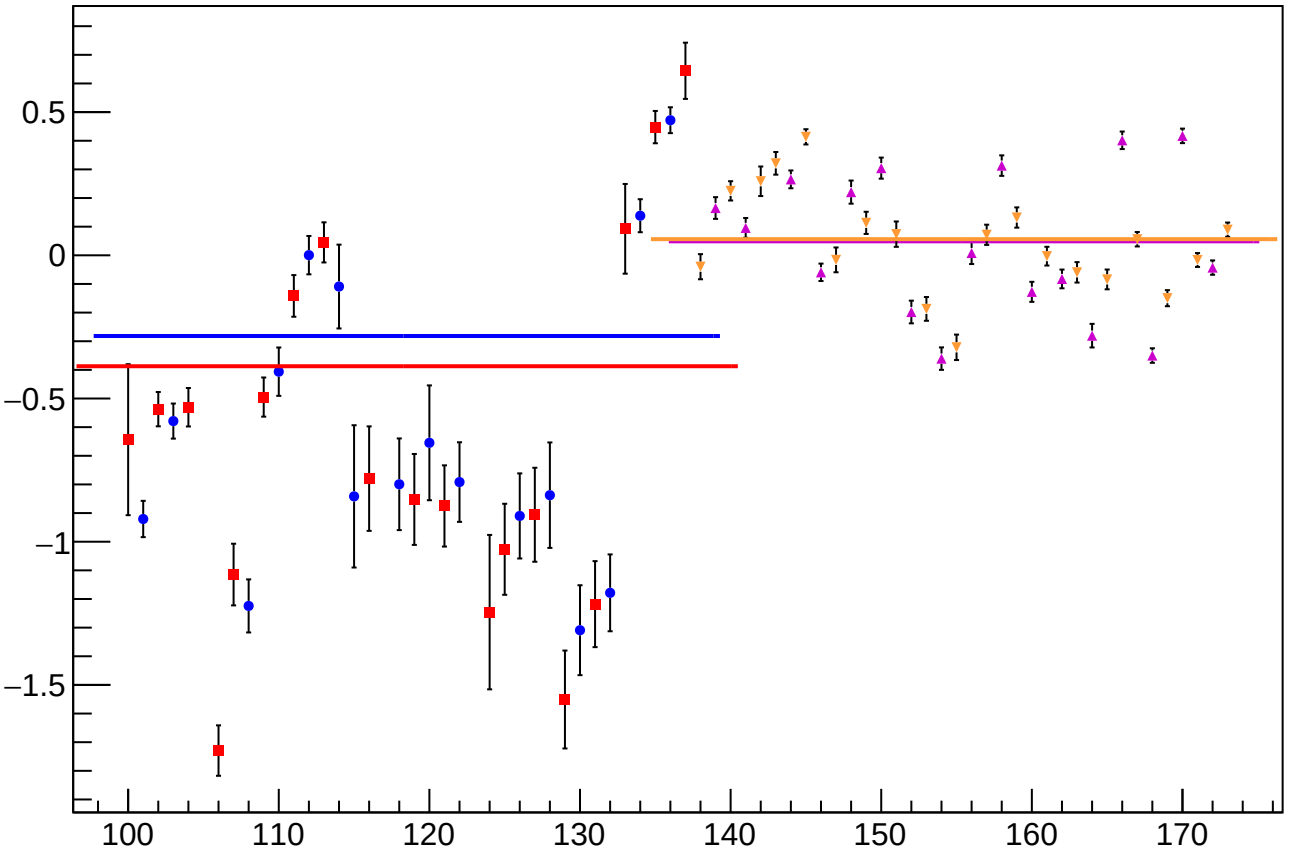
Left: 61.161+/-0.122 χ^2/NDF: 3252.7/35

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 60.838+/-0.161 χ^2/NDF:4707.4/32

Out: 60.938+/-0.156 χ^2/NDF:4617.8/37

All: 60.889+/-0.112 χ^2/NDF: 9325.3/70



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.056+/-0.008 χ^2/NDF:481.9/18

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.049+/-0.008 χ^2/NDF:1052.0/16

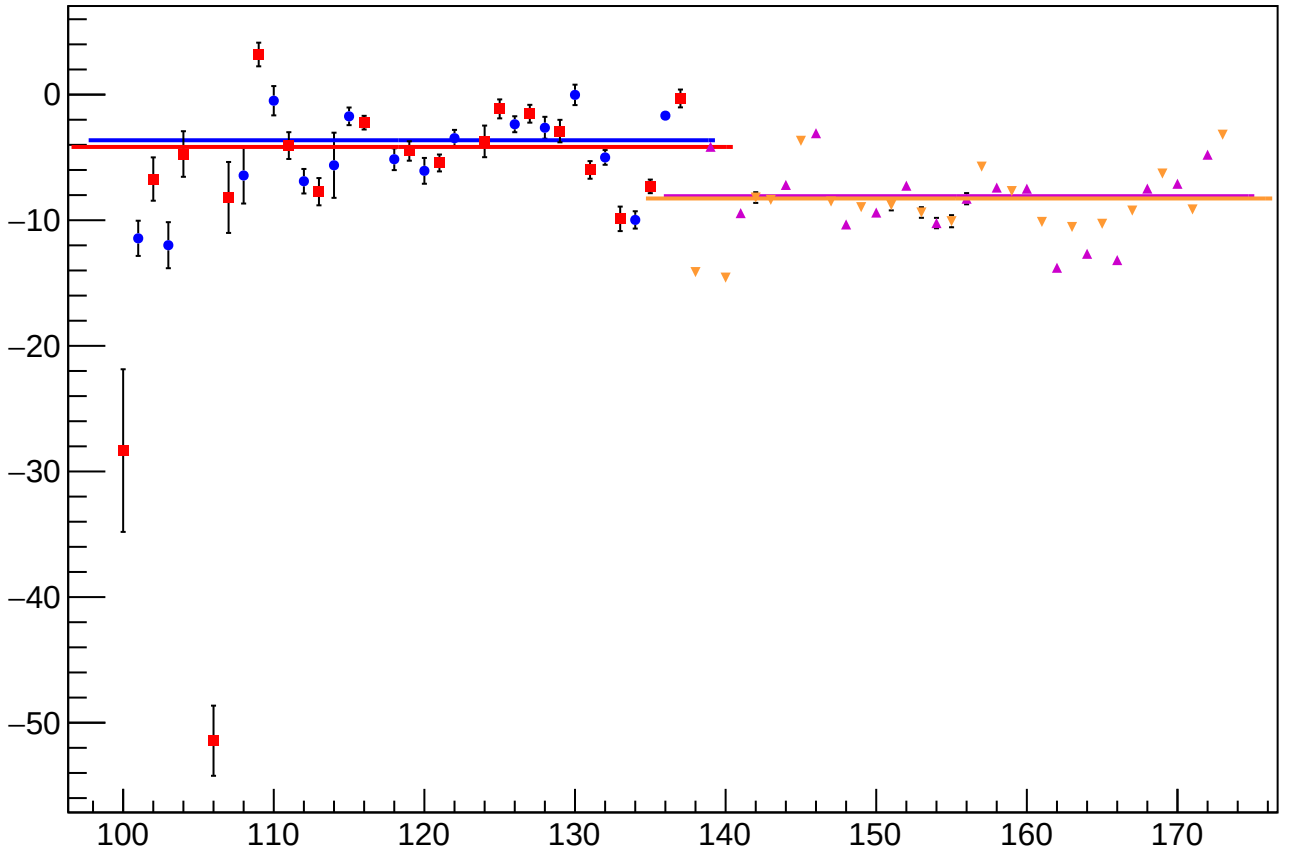
Left: 0.053+/-0.006 χ^2/NDF: 1534.3/35

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: 0.010+/-0.007 χ^2/NDF:1986.0/32

Out: 0.008+/-0.007 χ^2/NDF:1665.9/37

All: 0.009+/-0.005 χ^2/NDF: 3651.9/70



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.269+/-0.068 χ^2/NDF:2165.2/18

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -8.086+/-0.070 χ^2/NDF:1994.0/16

Left: -8.180+/-0.049 χ^2/NDF: 4162.7/35

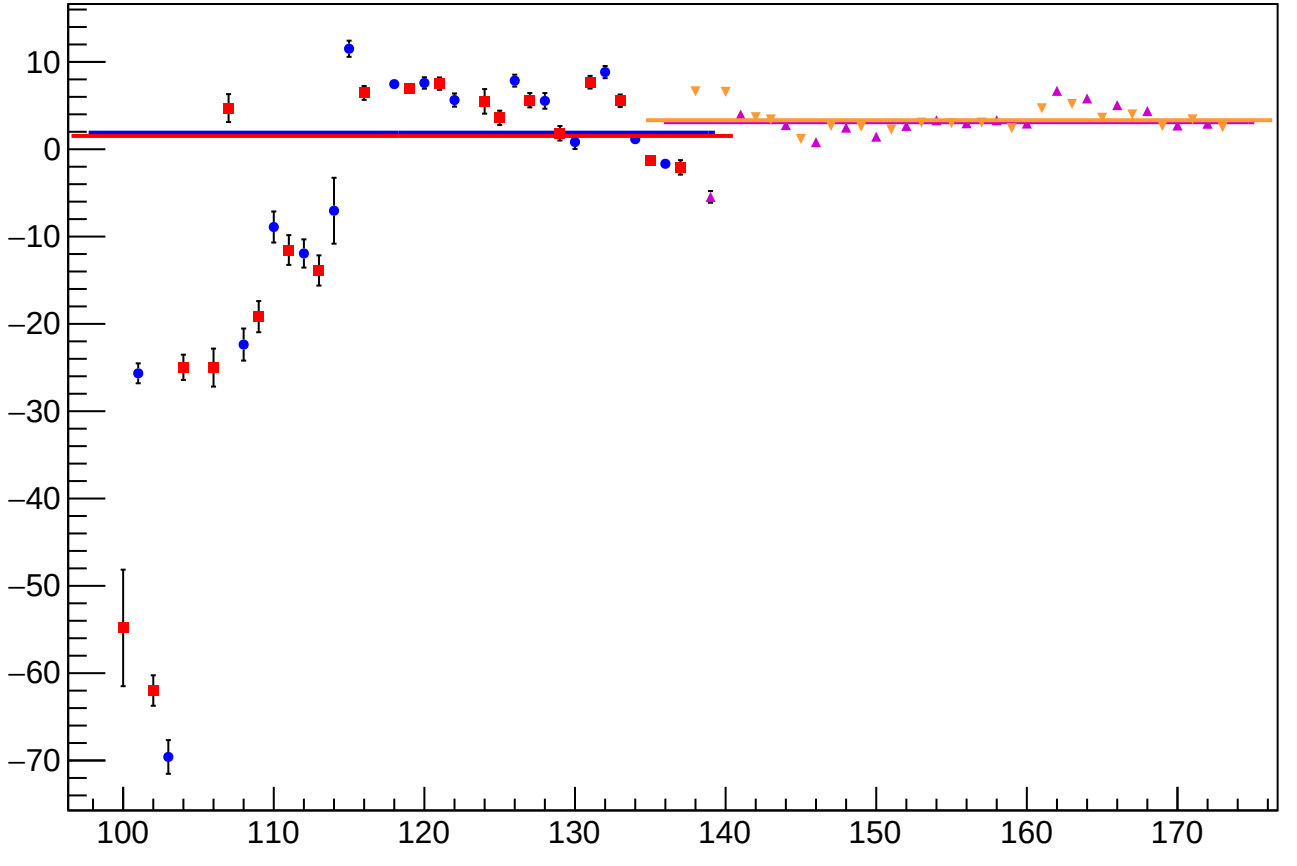
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -7.548+/-0.066 χ^2/NDF:2716.5/32

Out: -7.842+/-0.064 χ^2/NDF:3073.9/37

All: -7.698+/-0.046 χ^2/NDF: 5800.7/70

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: 3.324+/-0.049 χ^2/NDF:695.0/18

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 3.096+/-0.050 χ^2/NDF:1051.0/16

Left: 3.213+/-0.035 χ^2/NDF: 1756.7/35

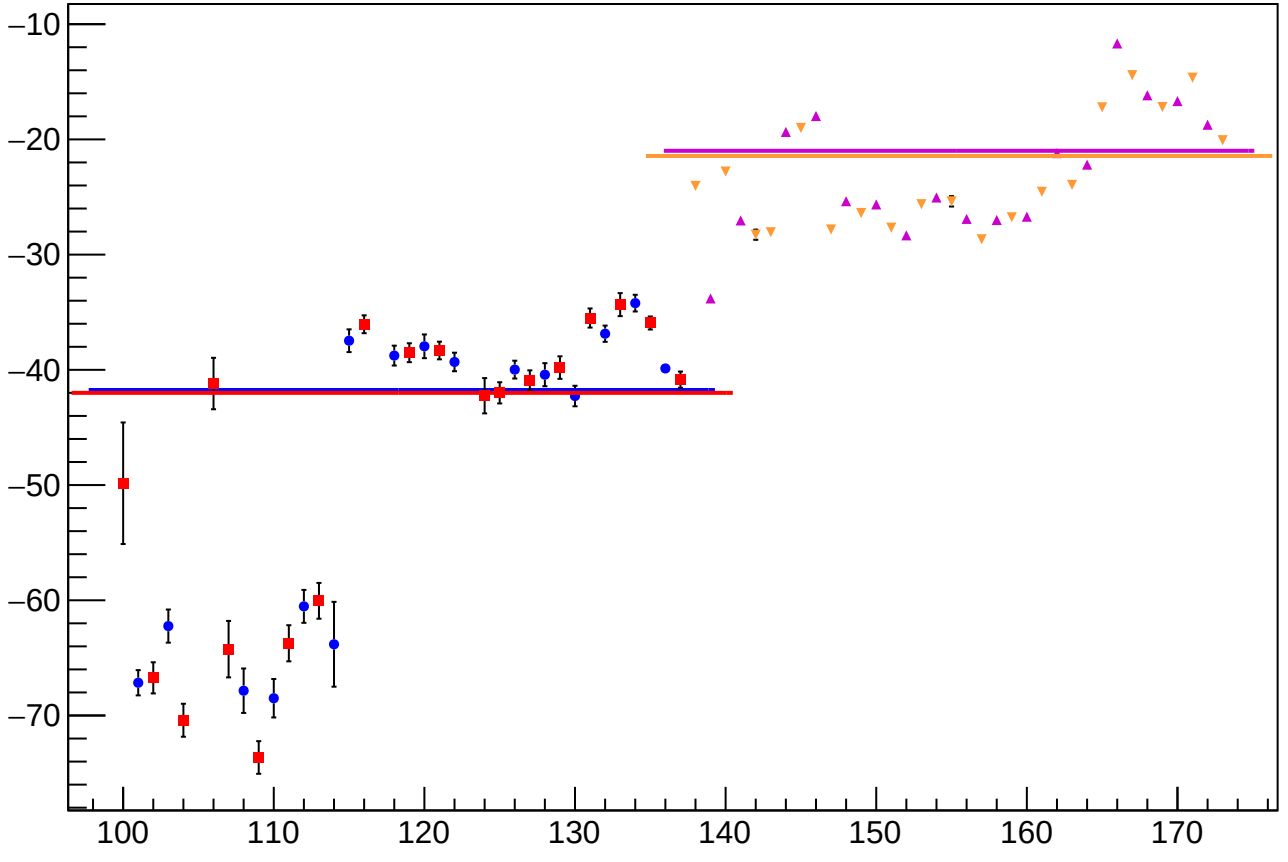
Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 3.018+/-0.048 χ^2/NDF:3926.8/32

Out: 3.231+/-0.047 χ^2/NDF:3325.5/37

All: 3.126+/-0.034 χ^2/NDF: 7262.2/70

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -41.751+/-0.208 χ^2/NDF: 1633.9/15

Left Out: -21.438+/-0.068 χ^2/NDF:5178.4/18

Right Out: -41.999+/-0.228 χ^2/NDF: 1985.2/18

Left In: -20.988+/-0.069 χ^2/NDF:5882.9/16

Left: -21.218+/-0.048 χ^2/NDF: 11083.0/35

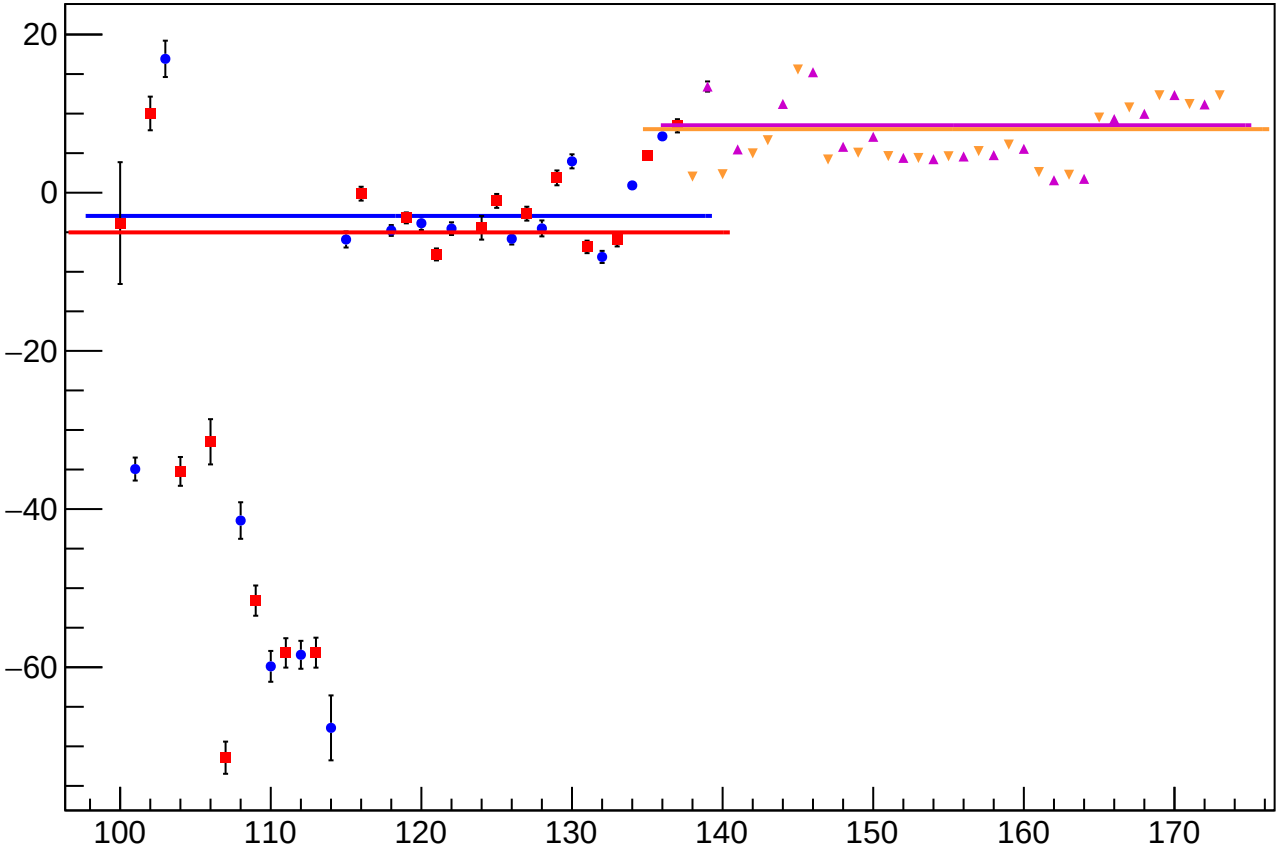
Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -23.058+/-0.066 χ^2/NDF:16520.2/32

Out: -23.095+/-0.065 χ^2/NDF:14623.3/37

All: -23.076+/-0.046 χ^2/NDF: 31143.7/70

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 8.033+/-0.055 χ^2/NDF:5886.2/18

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 8.525+/-0.057 χ^2/NDF:5113.5/16

Left: 8.271+/-0.040 χ^2/NDF: 11037.8/35

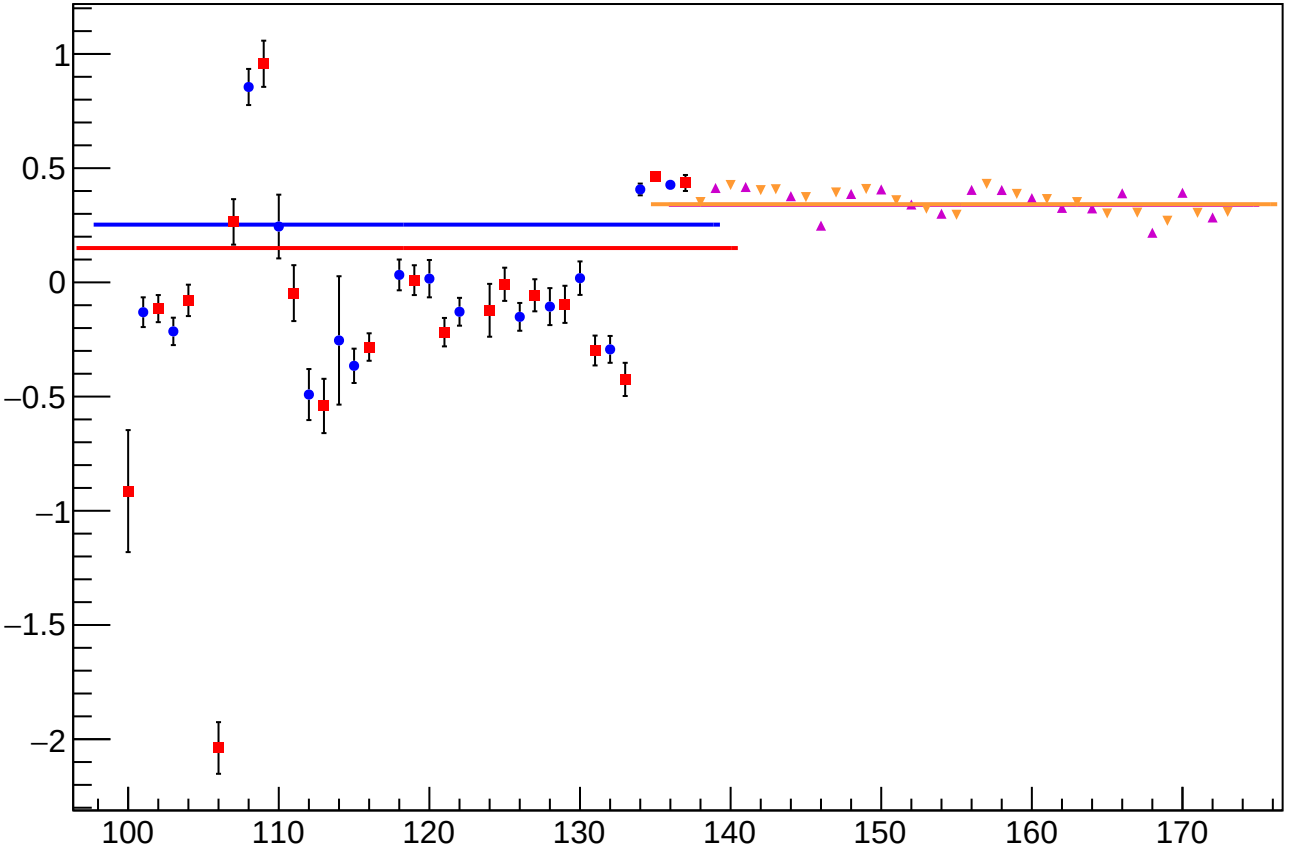
Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 7.731+/-0.055 χ^2/NDF:11620.2/32

Out: 7.330+/-0.054 χ^2/NDF:13262.7/37

All: 7.525+/-0.039 χ^2/NDF: 24910.0/70

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.342+/-0.002 χ^2/NDF:368.8/18

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.339+/-0.003 χ^2/NDF:655.8/16

Left: 0.341+/-0.002 χ^2/NDF: 1025.2/35

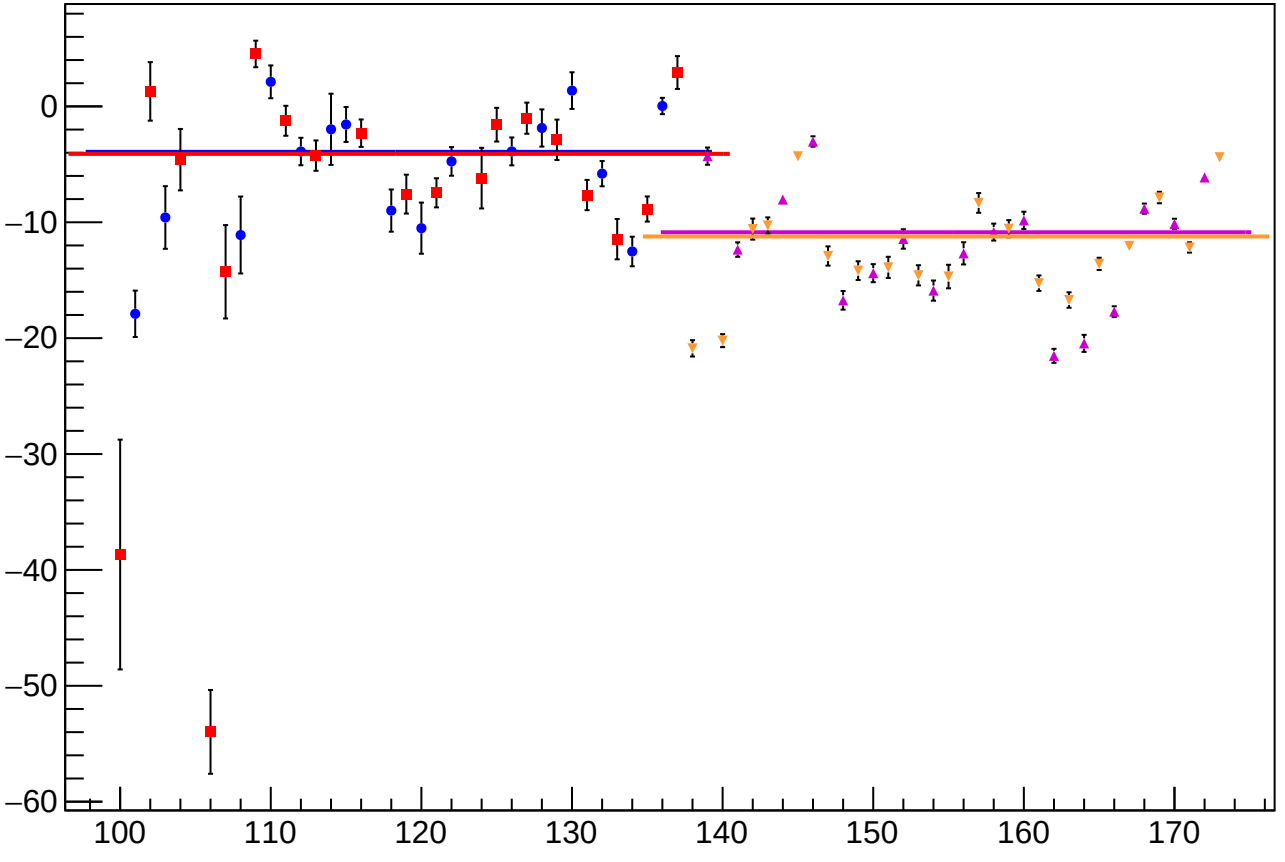
Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.335+/-0.003 χ^2/NDF:1341.1/32

Out: 0.336+/-0.002 χ^2/NDF:1586.3/37

All: 0.336+/-0.002 χ^2/NDF: 2927.4/70

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -11.227+/-0.137 χ^2/NDF:1264.8/18

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -10.864+/-0.141 χ^2/NDF:1389.2/16

Left: -11.051+/-0.098 χ^2/NDF: 2657.4/35

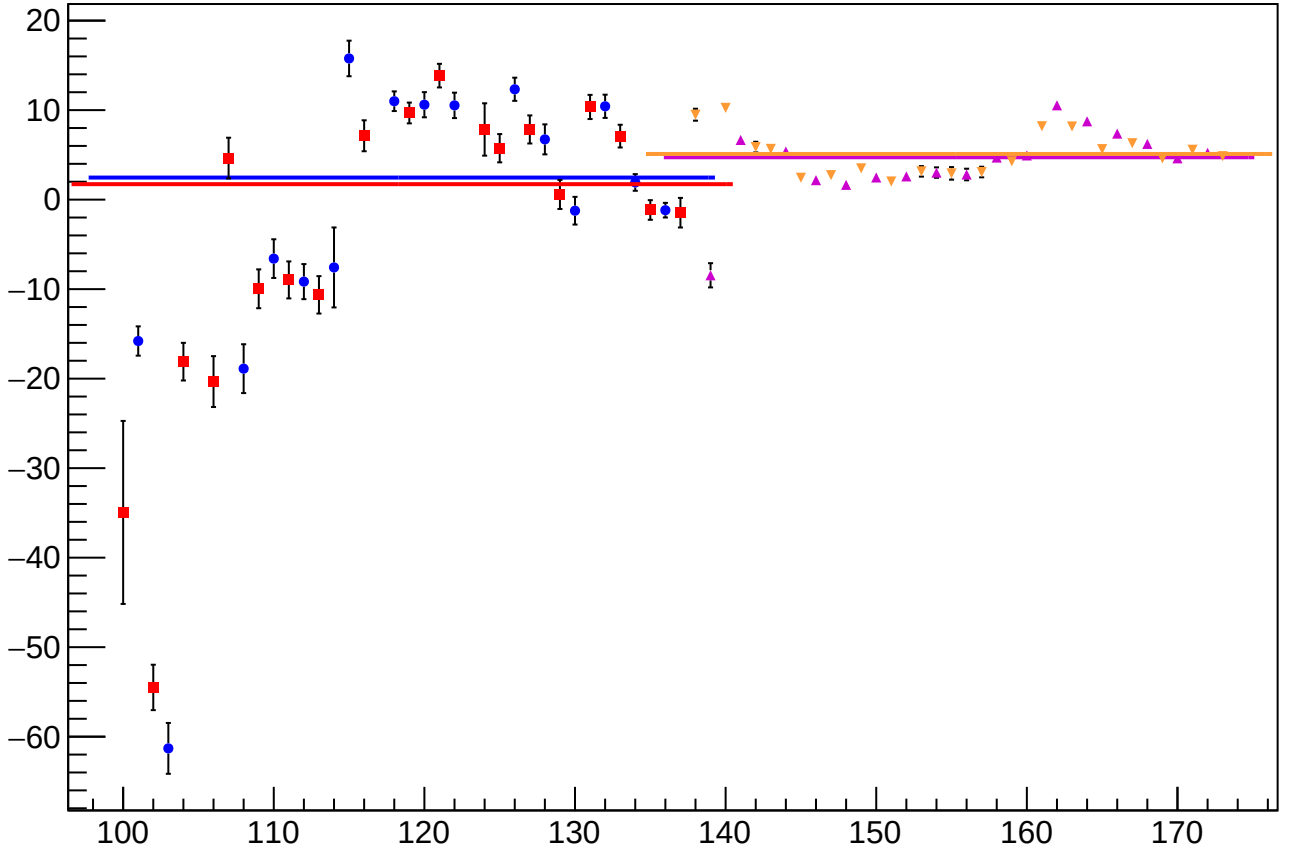
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -9.874+/-0.131 χ^2/NDF:1922.9/32

Out: -10.313+/-0.128 χ^2/NDF:1979.8/37

All: -10.098+/-0.091 χ^2/NDF: 3908.5/70

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: 5.101+/-0.099 χ^2/NDF:471.7/18

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 4.733+/-0.101 χ^2/NDF:604.2/16

Left: 4.921+/-0.070 χ^2/NDF: 1082.7/35

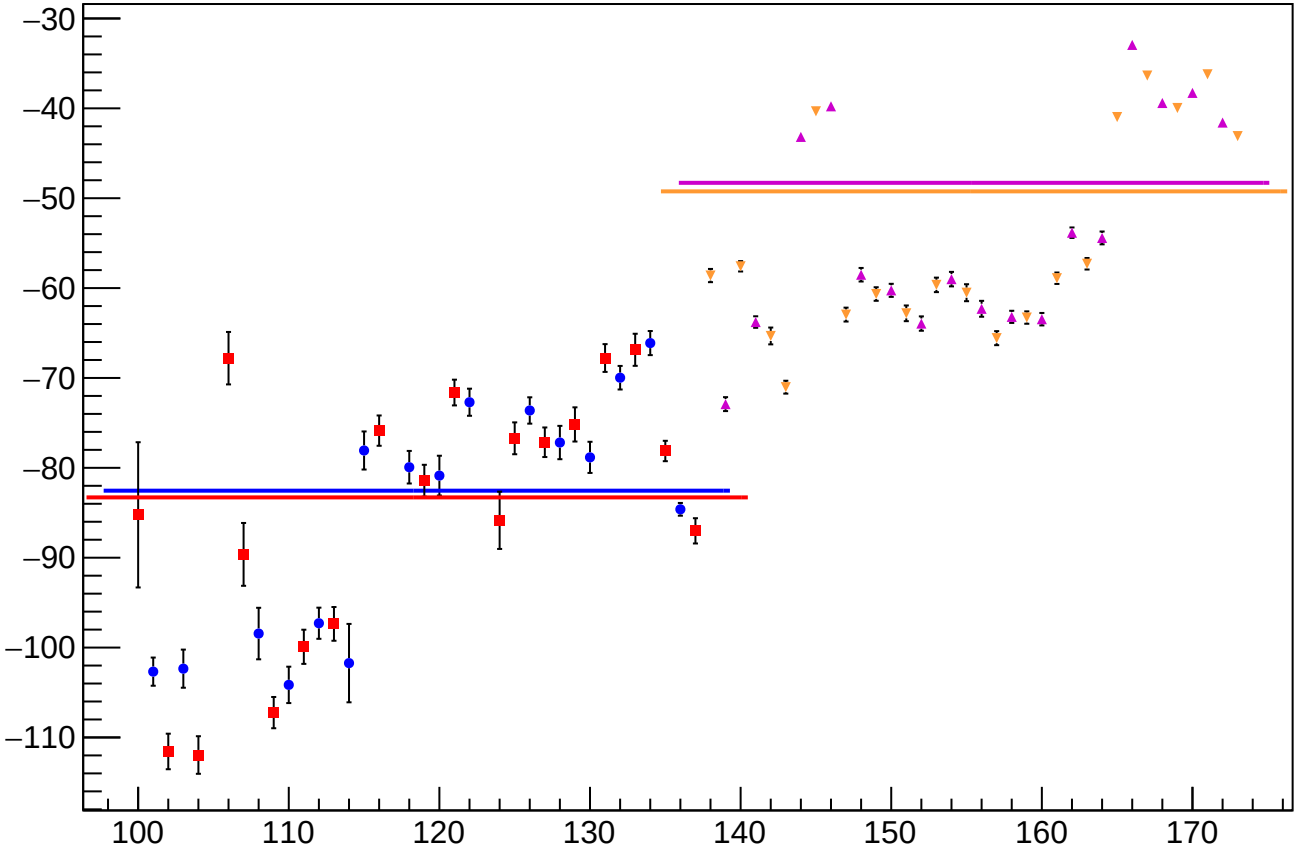
Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 4.566+/-0.097 χ^2/NDF:1688.4/32

Out: 4.894+/-0.096 χ^2/NDF:1526.5/37

All: 4.732+/-0.068 χ^2/NDF: 3220.7/70

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -49.238+/-0.136 χ^2/NDF:6990.2/18

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: -48.288+/-0.139 χ^2/NDF:6709.8/16

Left: -48.773+/-0.098 χ^2/NDF: 13723.7/35

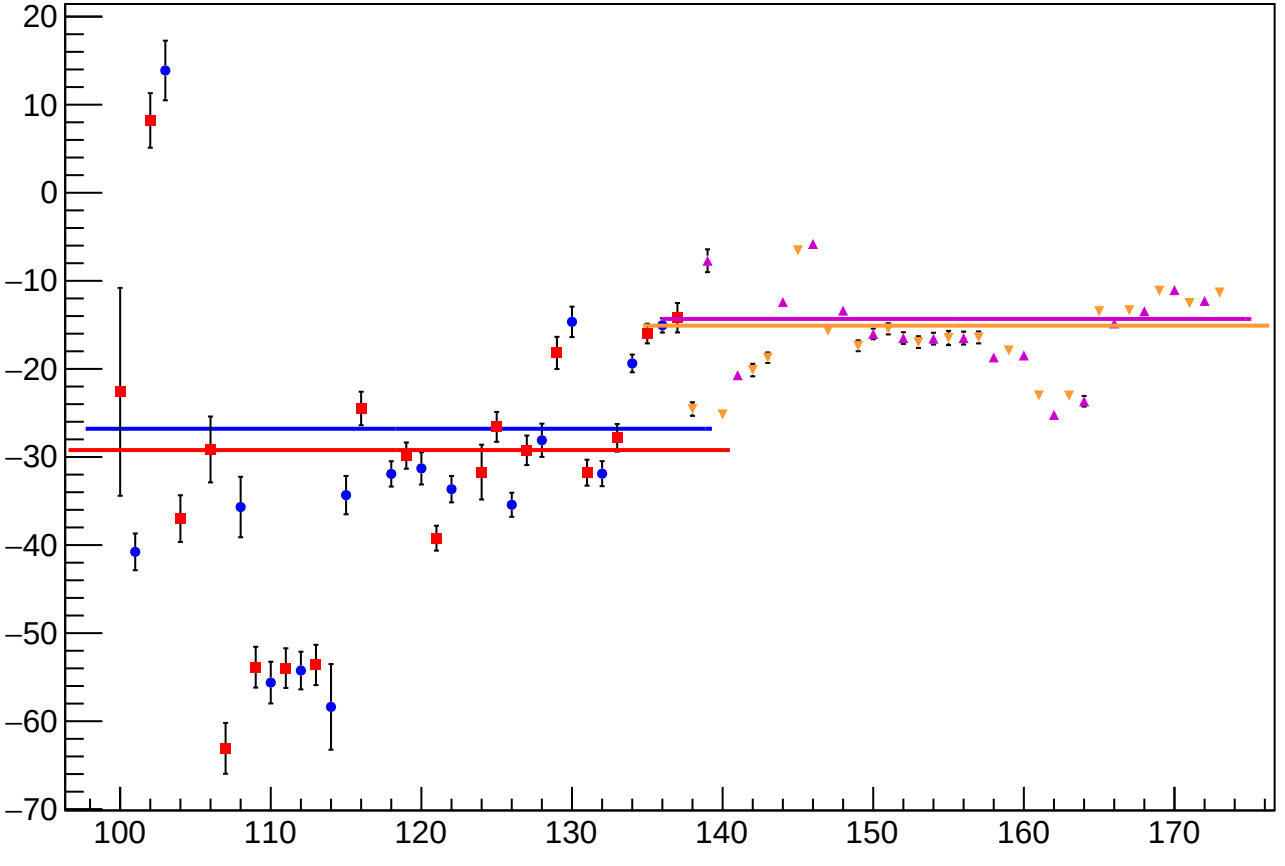
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -52.273+/-0.131 χ^2/NDF:14568.7/32

Out: -52.572+/-0.130 χ^2/NDF:14178.2/37

All: -52.424+/-0.092 χ^2/NDF: 28749.6/70

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.087+/-0.112 χ^2/NDF:2014.9/18

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -14.327+/-0.115 χ^2/NDF:1904.2/16

Left: -14.719+/-0.080 χ^2/NDF: 3941.4/35

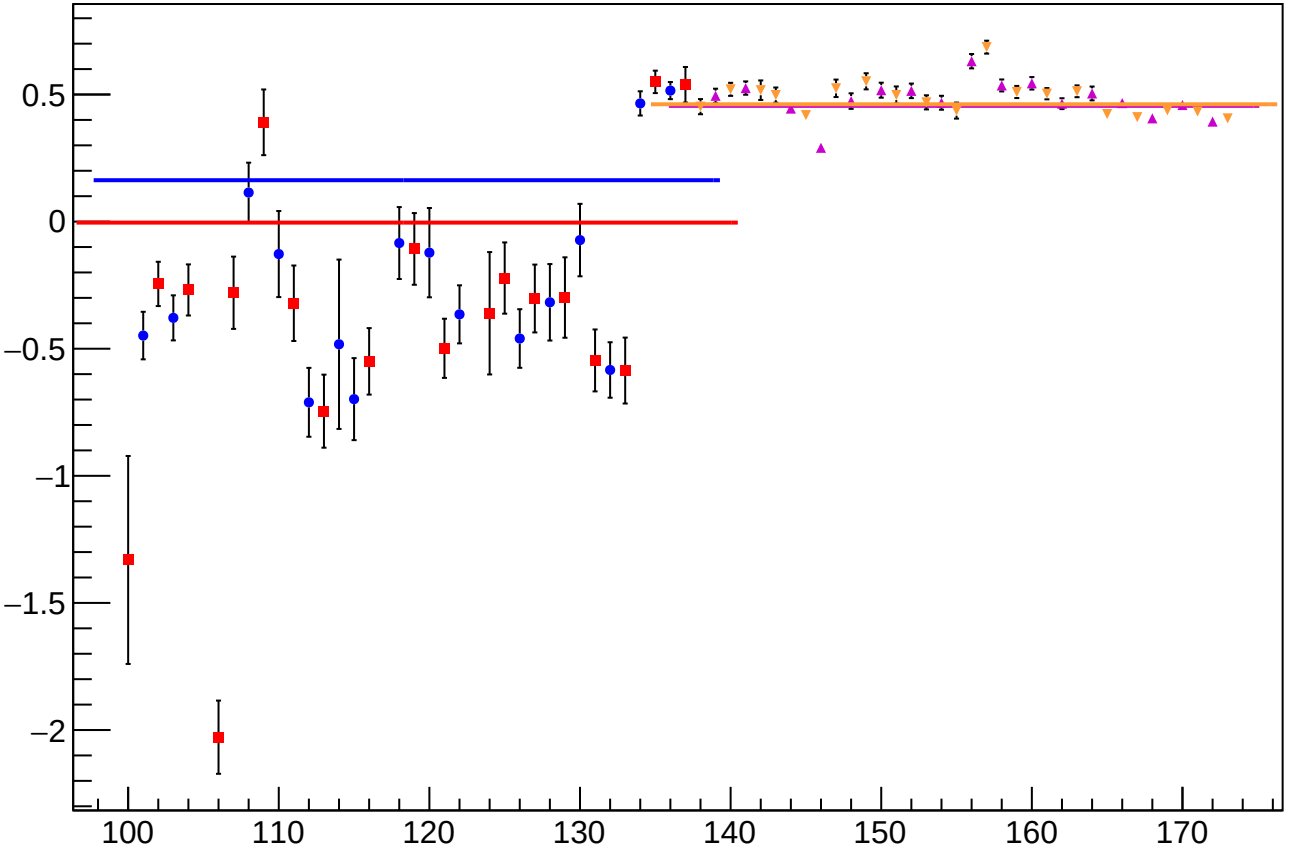
Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -15.304+/-0.111 χ^2/NDF:3783.3/32

Out: -15.979+/-0.108 χ^2/NDF:3981.9/37

All: -15.649+/-0.077 χ^2/NDF: 7784.2/70

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.462+/-0.005 χ^2/NDF:152.8/18

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.455+/-0.005 χ^2/NDF:190.1/16

Left: 0.459+/-0.004 χ^2/NDF: 343.7/35

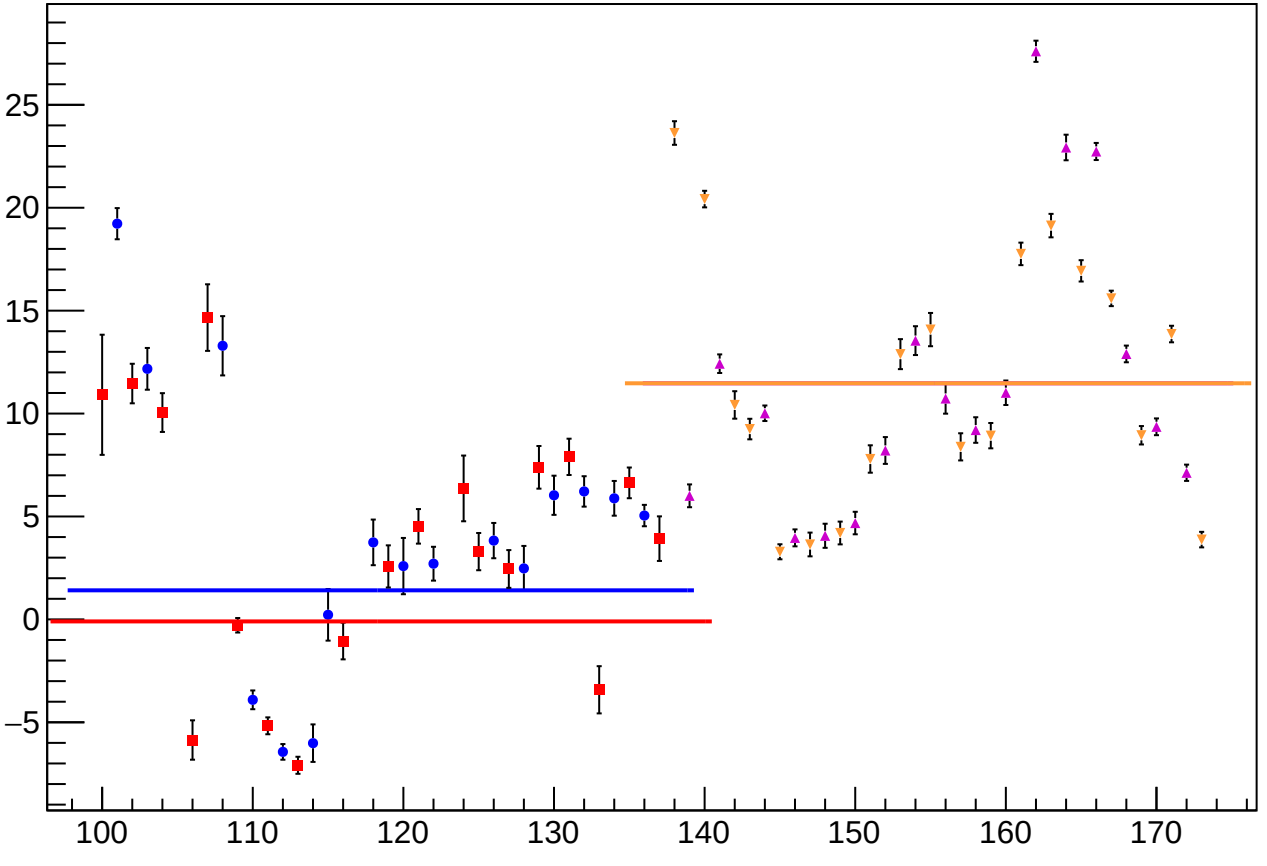
Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.439+/-0.005 χ^2/NDF:789.1/32

Out: 0.443+/-0.005 χ^2/NDF:1075.0/37

All: 0.441+/-0.004 χ^2/NDF: 1864.3/70

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: 11.471+/-0.115 χ^2/NDF:2924.8/18

Right Out: -0.098+/-0.167 χ^2/NDF: 1147.2/18

Left In: 11.470+/-0.120 χ^2/NDF:3030.2/16

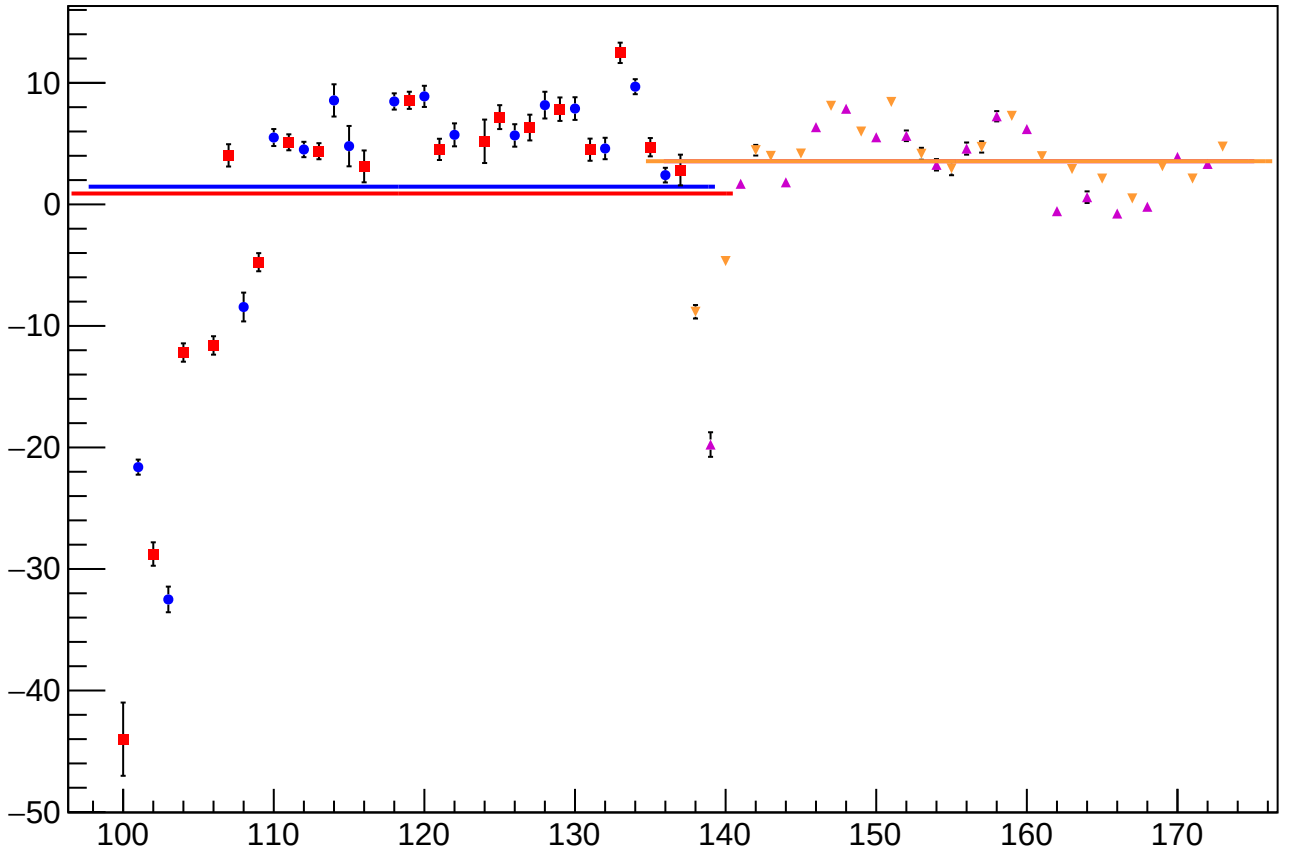
Left: 11.471+/-0.083 χ^2/NDF: 5955.0/35

Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 8.454+/-0.100 χ^2/NDF:6665.2/32

Out: 7.750+/-0.095 χ^2/NDF:7312.3/37

All: 8.083+/-0.069 χ^2/NDF: 14003.5/70



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 3.553+/-0.082 χ^2/NDF:1896.0/18

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 3.552+/-0.085 χ^2/NDF:1594.2/16

Left: 3.553+/-0.059 χ^2/NDF: 3490.2/35

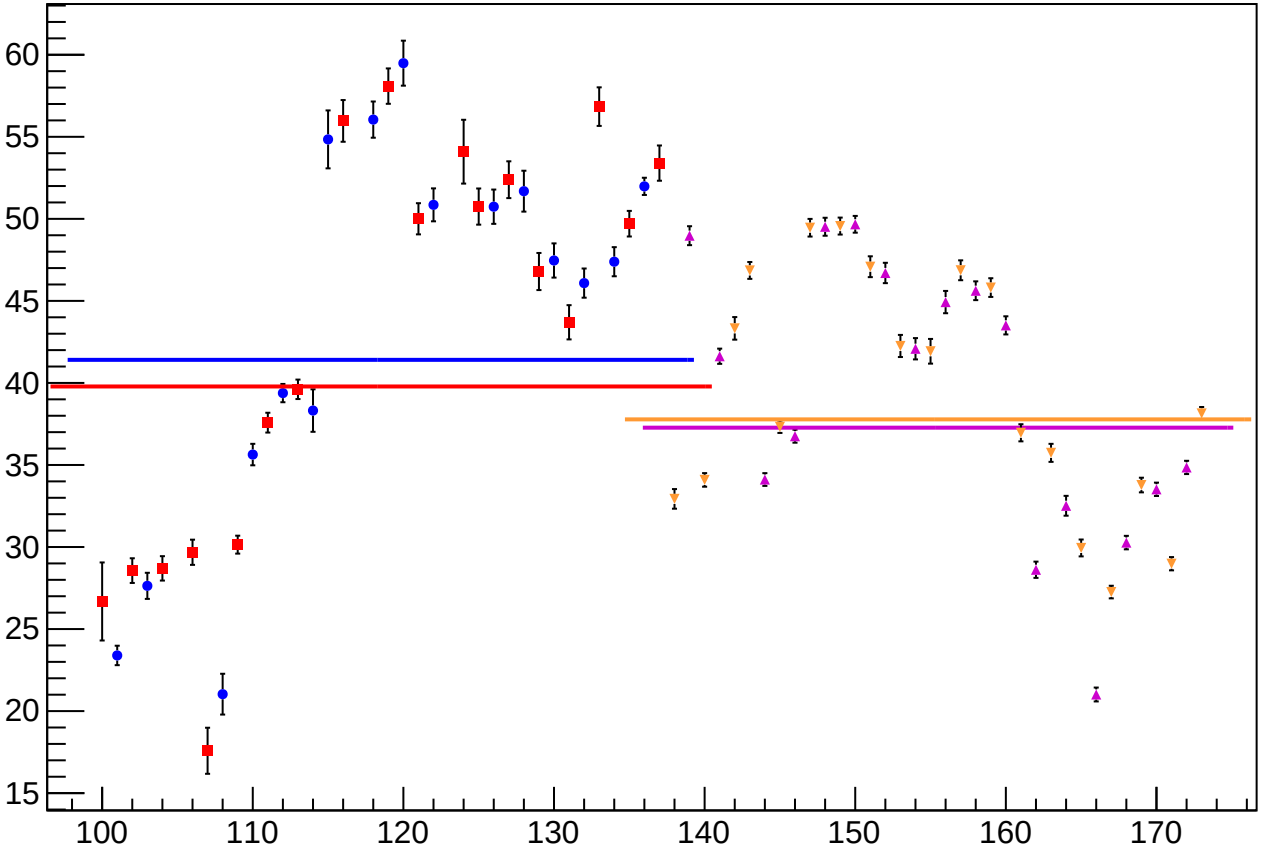
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 3.241+/-0.078 χ^2/NDF:4764.6/32

Out: 3.177+/-0.076 χ^2/NDF:4421.6/37

All: 3.208+/-0.055 χ^2/NDF: 9186.5/70

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 37.779+/-0.115 χ^2/NDF:3778.7/18

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 37.273+/-0.118 χ^2/NDF:4661.5/16

Left: 37.534+/-0.082 χ^2/NDF: 8449.7/35

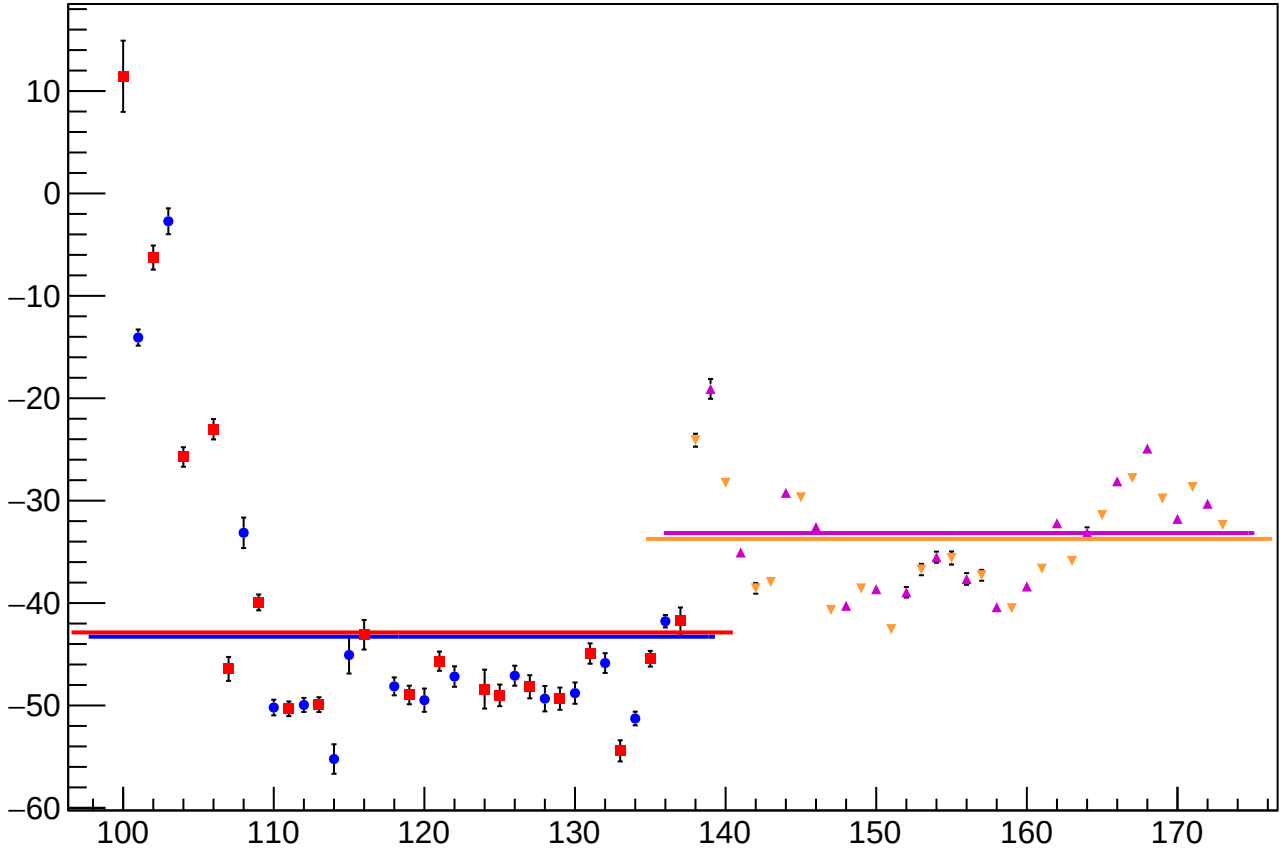
Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 38.262+/-0.103 χ^2/NDF:7700.6/32

Out: 38.264+/-0.100 χ^2/NDF:6506.6/37

All: 38.263+/-0.072 χ^2/NDF: 14207.2/70

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -33.735+/-0.094 χ^2/NDF:2735.2/18

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -33.163+/-0.098 χ^2/NDF:2285.1/16

Left: -33.461+/-0.068 χ^2/NDF: 5038.0/35

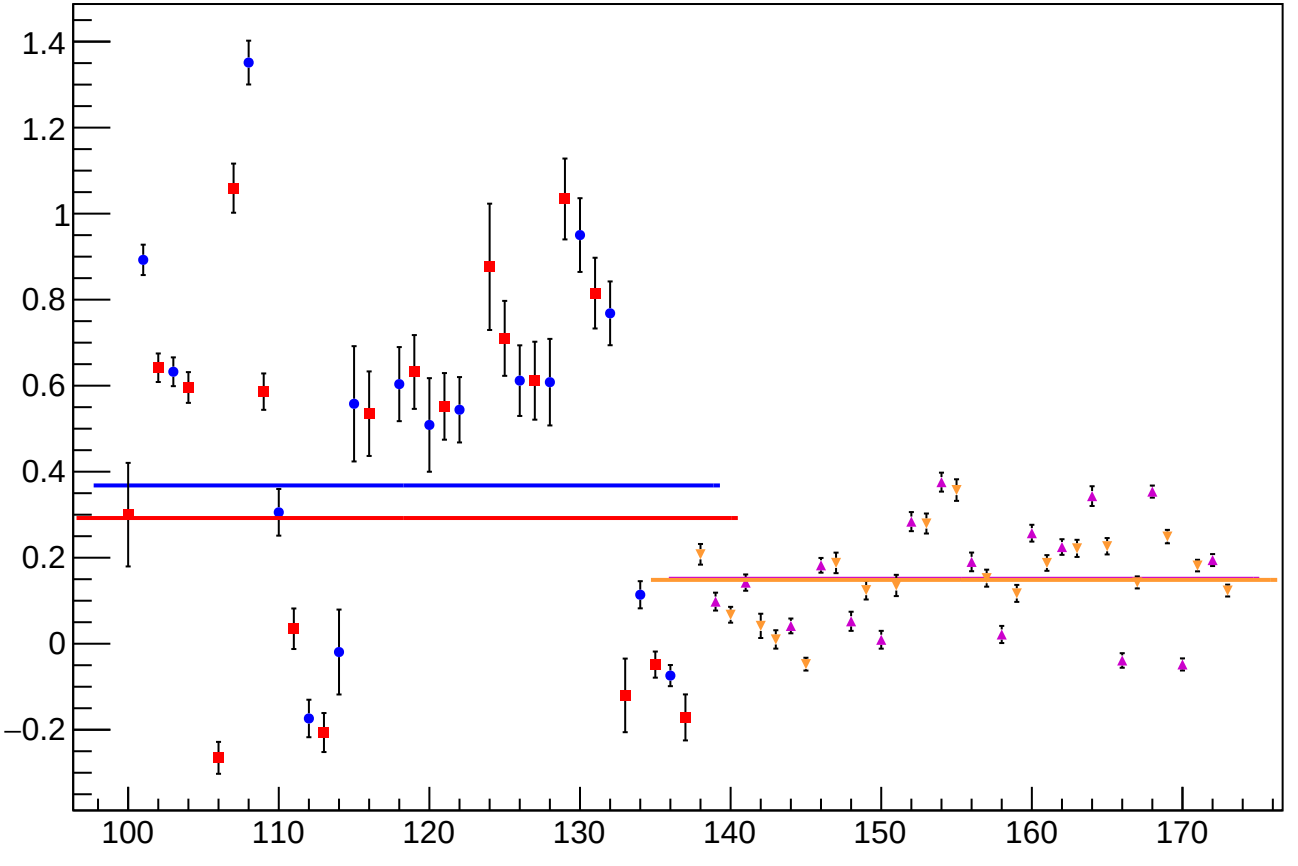
Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -34.723+/-0.090 χ^2/NDF:6918.2/32

Out: -35.052+/-0.087 χ^2/NDF:6550.1/37

All: -34.893+/-0.063 χ^2/NDF: 13475.2/70

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.148+/-0.004 χ^2/NDF:448.5/18

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.151+/-0.004 χ^2/NDF:961.2/16

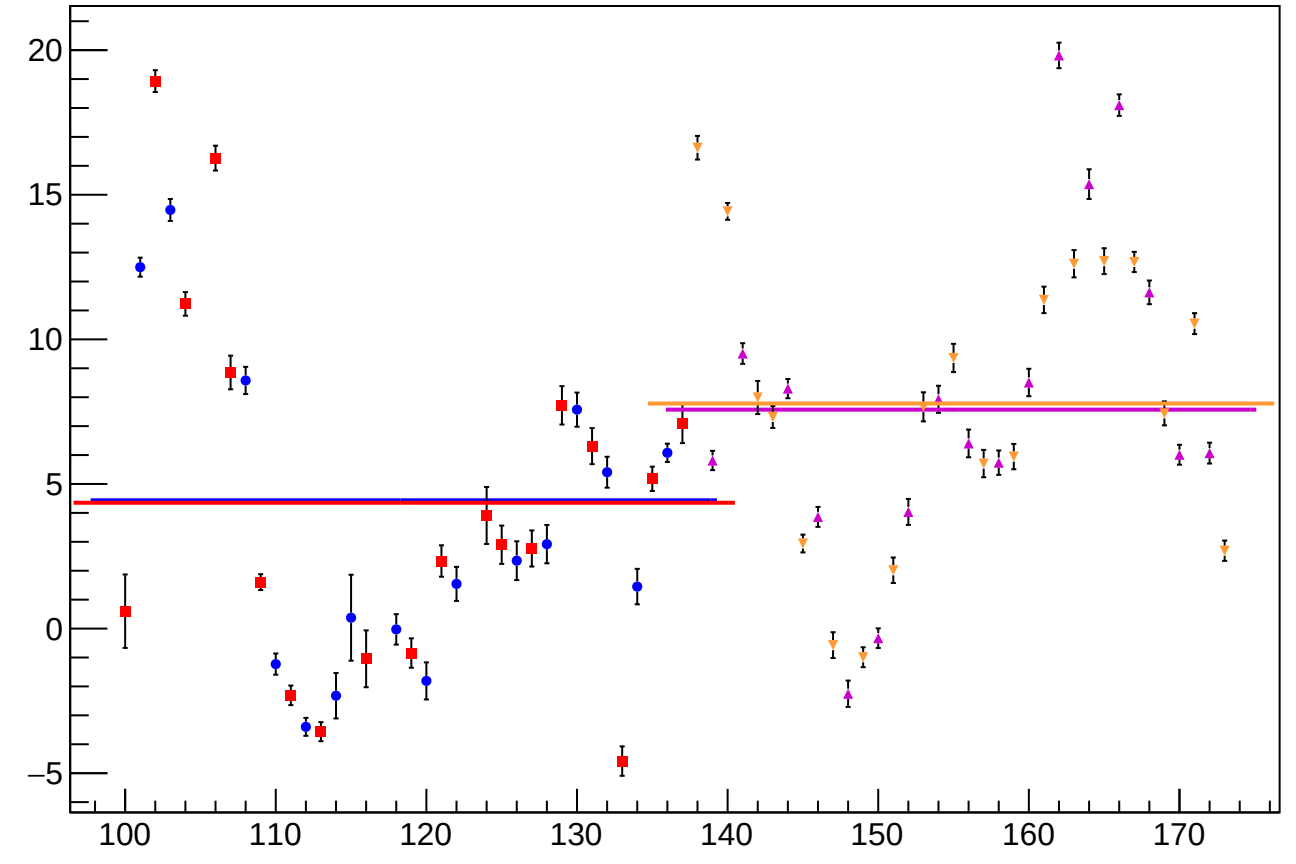
Left: 0.150+/-0.003 χ^2/NDF: 1409.9/35

Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.176+/-0.004 χ^2/NDF:2561.8/32

Out: 0.164+/-0.004 χ^2/NDF:1773.4/37

All: 0.170+/-0.003 χ^2/NDF: 4339.3/70



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 7.782+/-0.092 χ^2/NDF:3208.2/18

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 7.570+/-0.095 χ^2/NDF:3213.2/16

Left: 7.680+/-0.066 χ^2/NDF: 6424.0/35

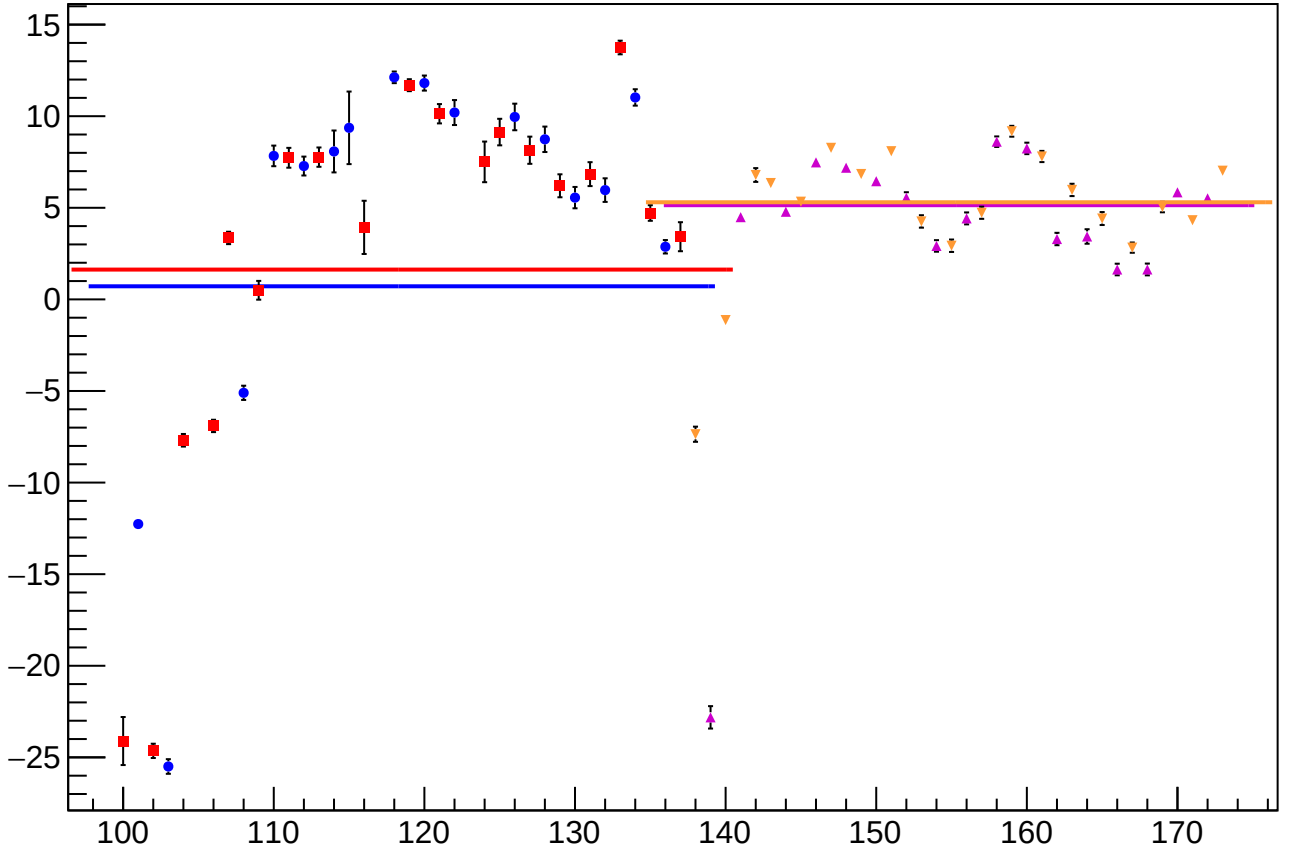
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 6.318+/-0.074 χ^2/NDF:6266.9/32

Out: 6.360+/-0.070 χ^2/NDF:7992.7/37

All: 6.340+/-0.051 χ^2/NDF: 14259.8/70

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: 5.302+/-0.065 χ^2/NDF:2479.9/18

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 5.142+/-0.069 χ^2/NDF:2938.2/16

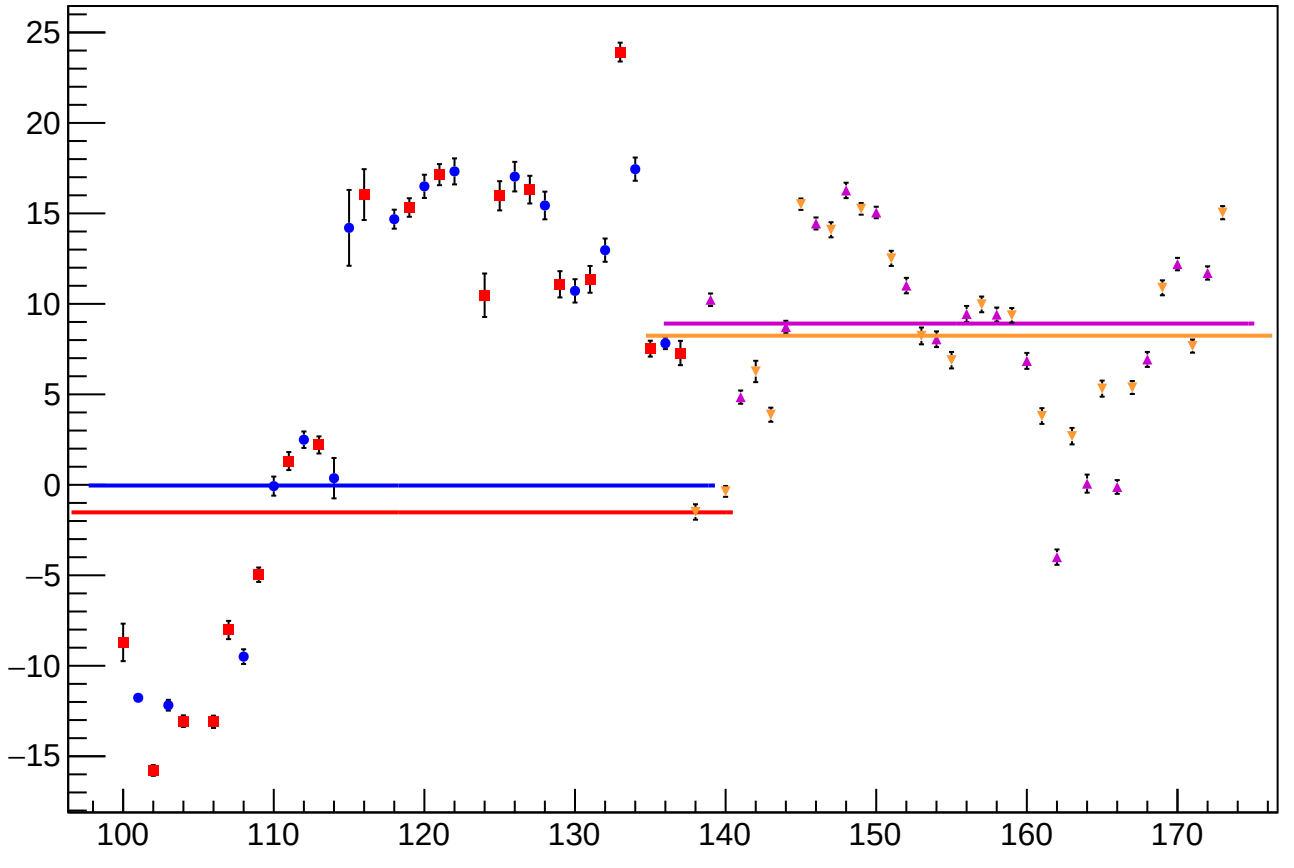
Left: 5.226+/-0.047 χ^2/NDF: 5421.0/35

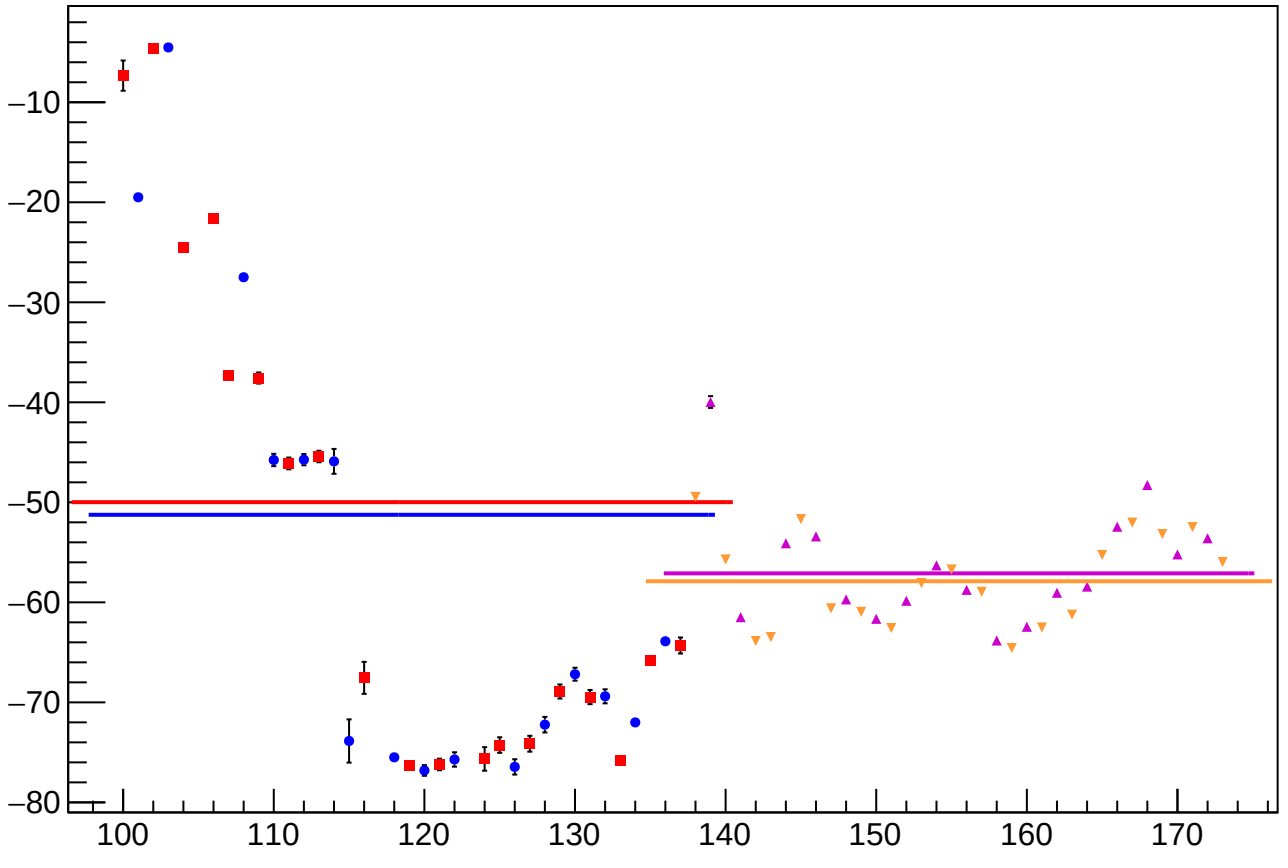
Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 3.995+/-0.059 χ^2/NDF:14472.8/32

Out: 4.362+/-0.056 χ^2/NDF:12550.8/37

All: 4.188+/-0.041 χ^2/NDF: 27043.8/70


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
170
Right In: -0.038+/-0.119 χ²/NDF: 9274.3/15
Left Out: 8.242+/-0.091 χ²/NDF:3574.1/18
Right Out: -1.521+/-0.115 χ²/NDF: 12130.2/18
Left In: 8.912+/-0.093 χ²/NDF:3117.8/16
Left: 8.566+/-0.065 χ²/NDF: 6718.5/35
Right: -0.807+/-0.083 χ²/NDF: 21484.6/34
In: 5.512+/-0.074 χ²/NDF:15878.7/32
Out: 4.509+/-0.071 χ²/NDF:20149.3/37
All: 4.994+/-0.051 χ²/NDF: 36124.0/70



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -57.890+/-0.075 χ^2/NDF:3524.1/18

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -57.102+/-0.079 χ^2/NDF:3526.7/16

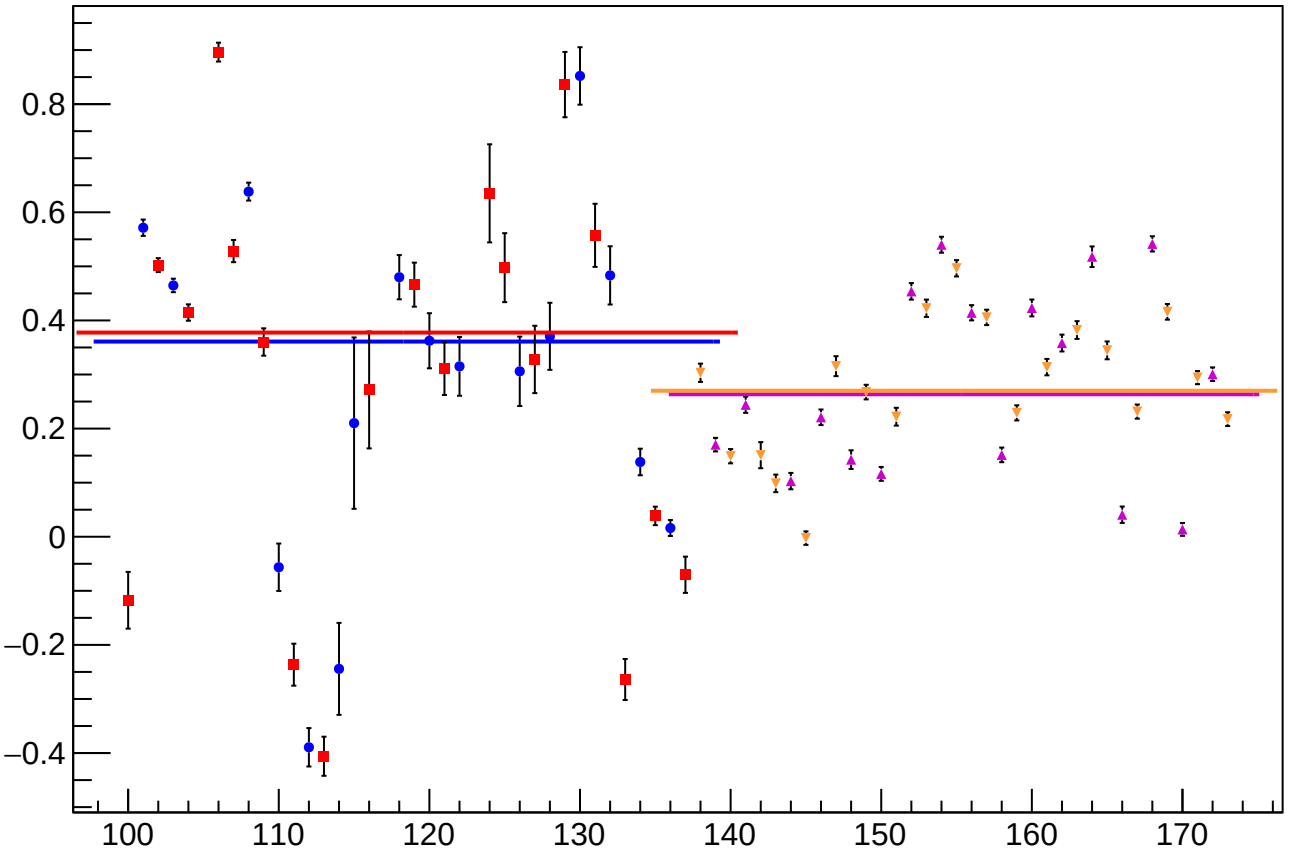
Left: -57.514+/-0.054 χ^2/NDF: 7103.5/35

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -55.633+/-0.068 χ^2/NDF:38685.7/32

Out: -55.933+/-0.065 χ^2/NDF:40171.7/37

All: -55.790+/-0.047 χ^2/NDF: 78867.7/70



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.270+/-0.003 χ^2/NDF:1337.1/18

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.263+/-0.003 χ^2/NDF:2424.1/16

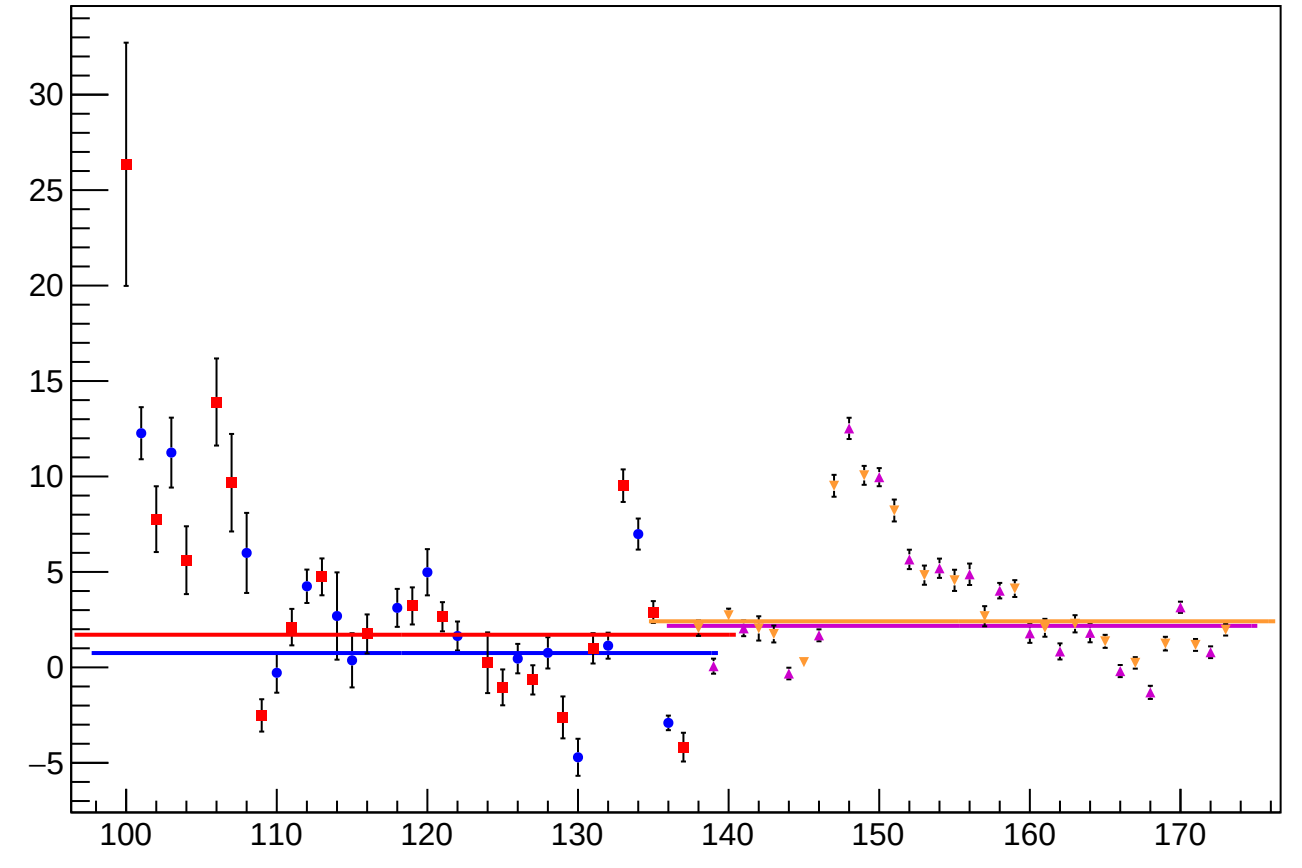
Left: 0.267+/-0.002 χ^2/NDF: 3763.0/35

Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

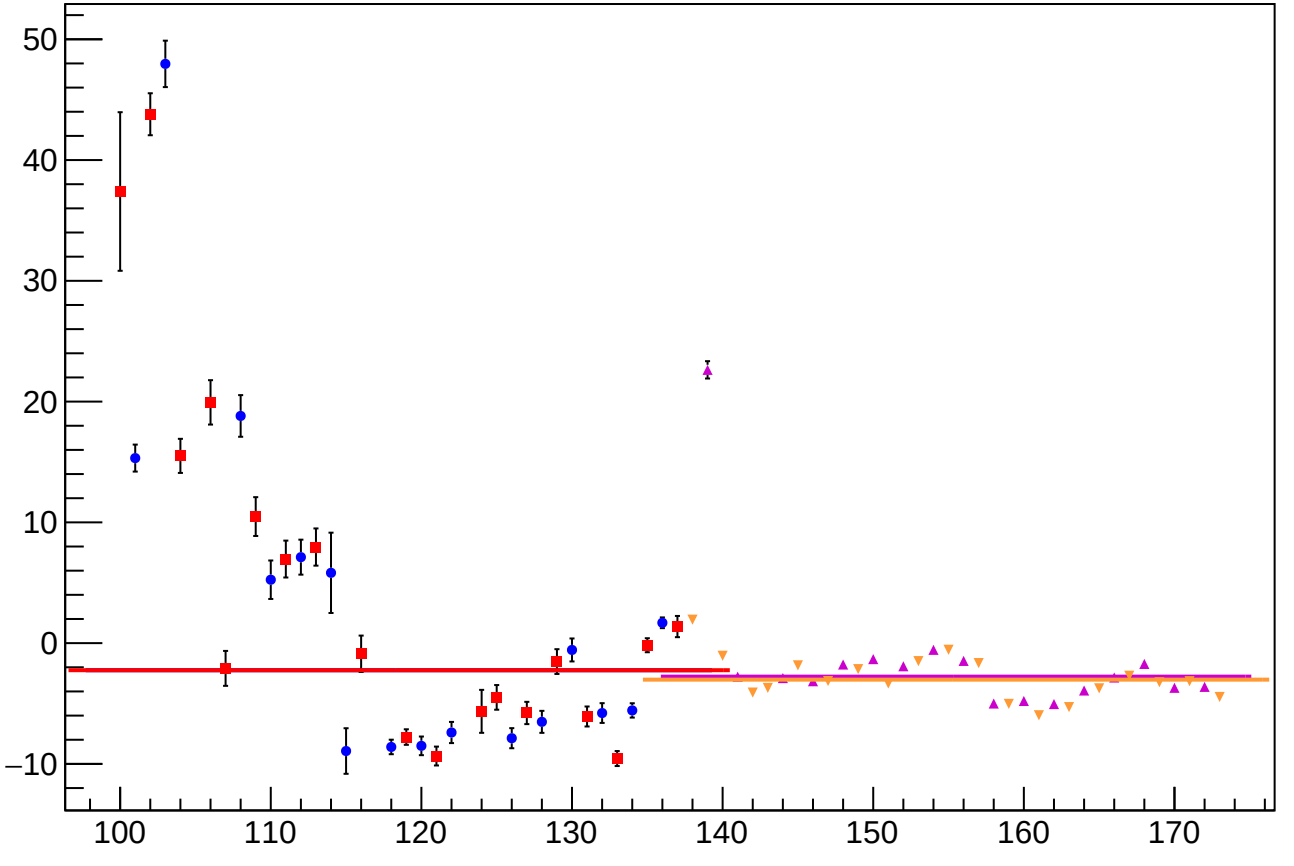
In: 0.286+/-0.003 χ^2/NDF:4464.7/32

Out: 0.295+/-0.003 χ^2/NDF:4364.3/37

All: 0.291+/-0.002 χ^2/NDF: 8834.0/70


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
170
Right In: 0.752+/-0.212 χ²/NDF: 330.1/15
Left Out: 2.415+/-0.091 χ²/NDF:708.1/18
Right Out: 1.710+/-0.223 χ²/NDF: 293.8/18
Left In: 2.175+/-0.094 χ²/NDF:1040.0/16
Left: 2.299+/-0.066 χ²/NDF: 1751.5/35
Right: 1.208+/-0.154 χ²/NDF: 633.6/34
In: 1.941+/-0.086 χ²/NDF:1407.6/32
Out: 2.314+/-0.084 χ²/NDF:1010.5/37
All: 2.131+/-0.060 χ²/NDF: 2427.7/70

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: -3.023+/-0.066 χ^2/NDF:562.4/18

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -2.773+/-0.068 χ^2/NDF:1560.9/16

Left: -2.902+/-0.047 χ^2/NDF: 2130.2/35

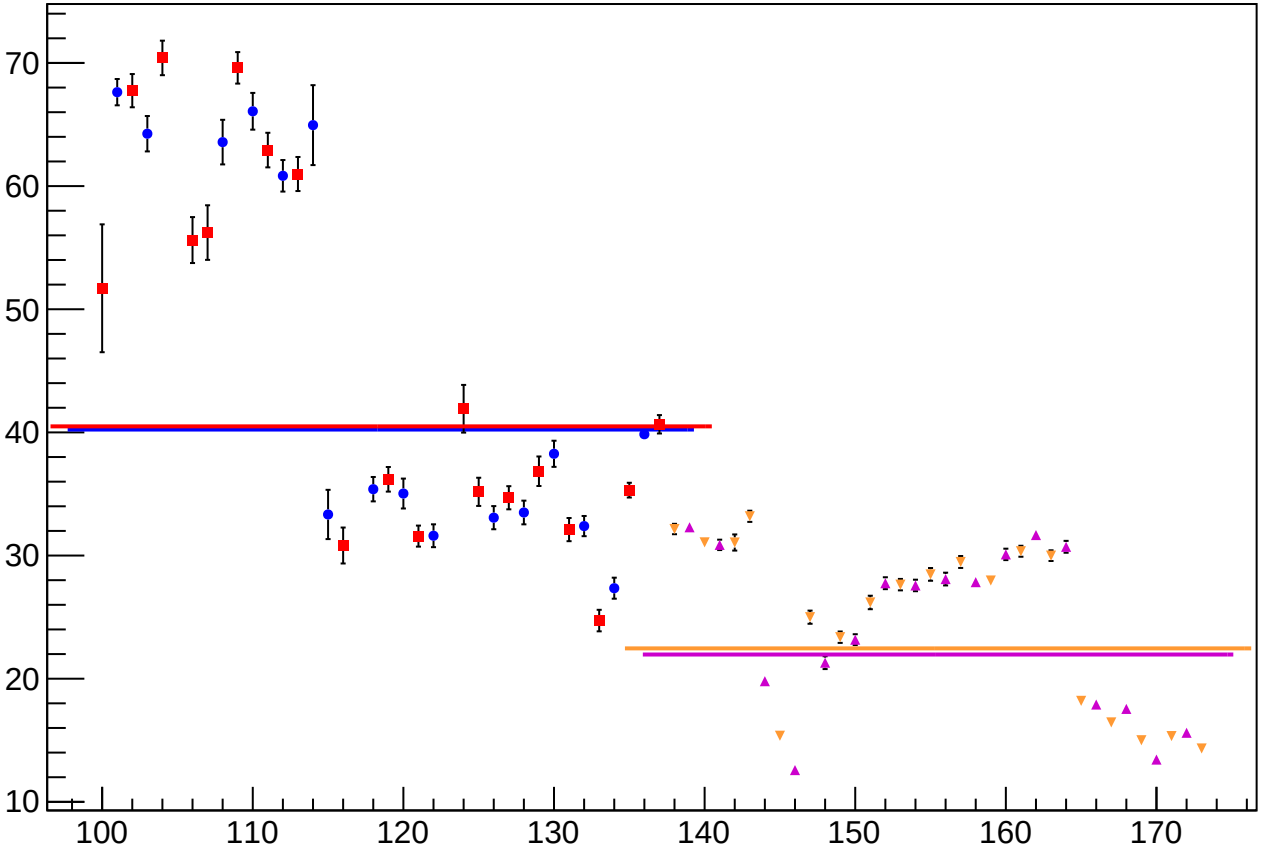
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.725+/-0.065 χ^2/NDF:3138.8/32

Out: -2.963+/-0.063 χ^2/NDF:2128.8/37

All: -2.847+/-0.045 χ^2/NDF: 5274.5/70

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: 22.461+/-0.091 χ^2/NDF:5988.7/18

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 21.964+/-0.093 χ^2/NDF:5560.2/16

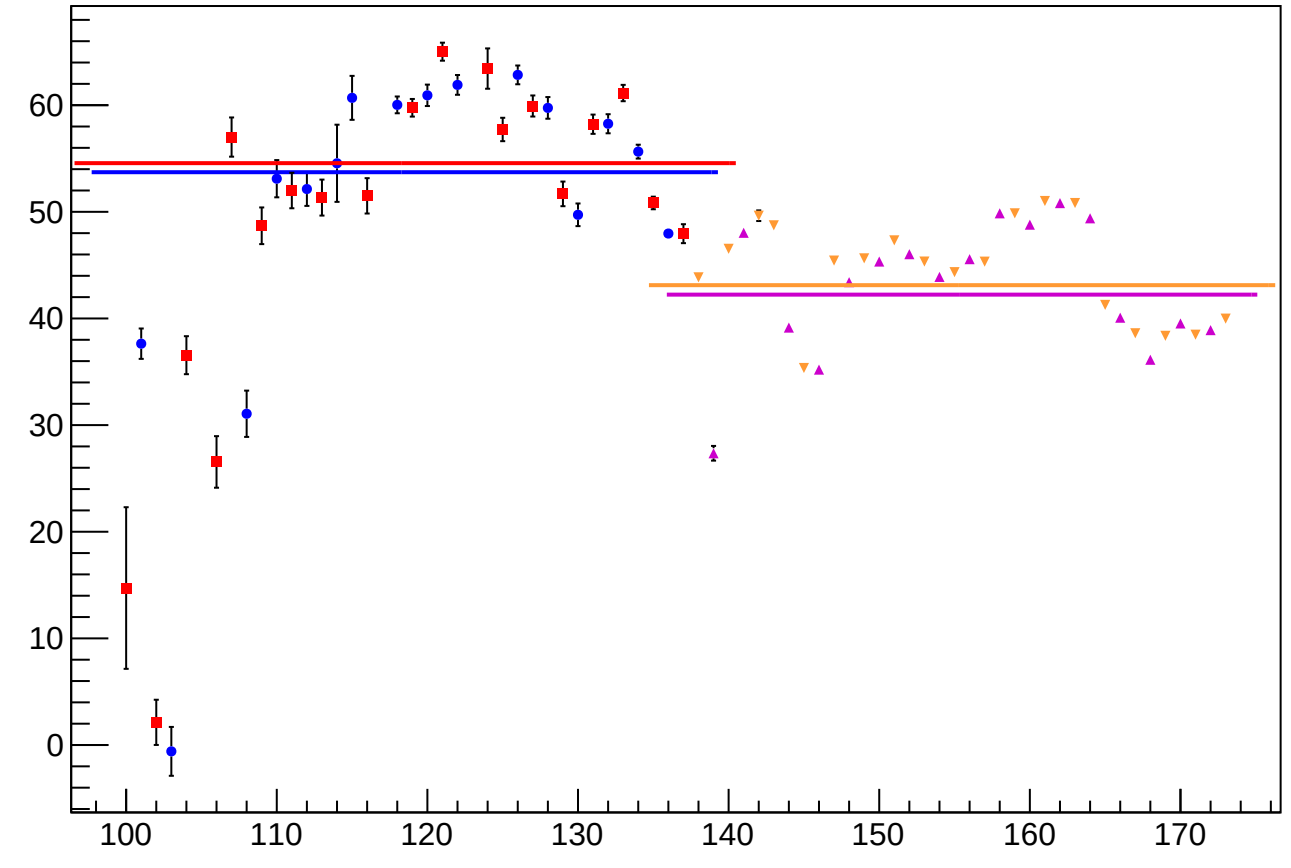
Left: 22.219+/-0.065 χ^2/NDF: 11563.6/35

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 24.500+/-0.086 χ^2/NDF:13216.8/32

Out: 24.552+/-0.085 χ^2/NDF:13268.4/37

All: 24.526+/-0.061 χ^2/NDF: 26485.3/70



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 43.122+/-0.075 χ^2/NDF:4412.0/18

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 42.235+/-0.078 χ^2/NDF:4720.2/16

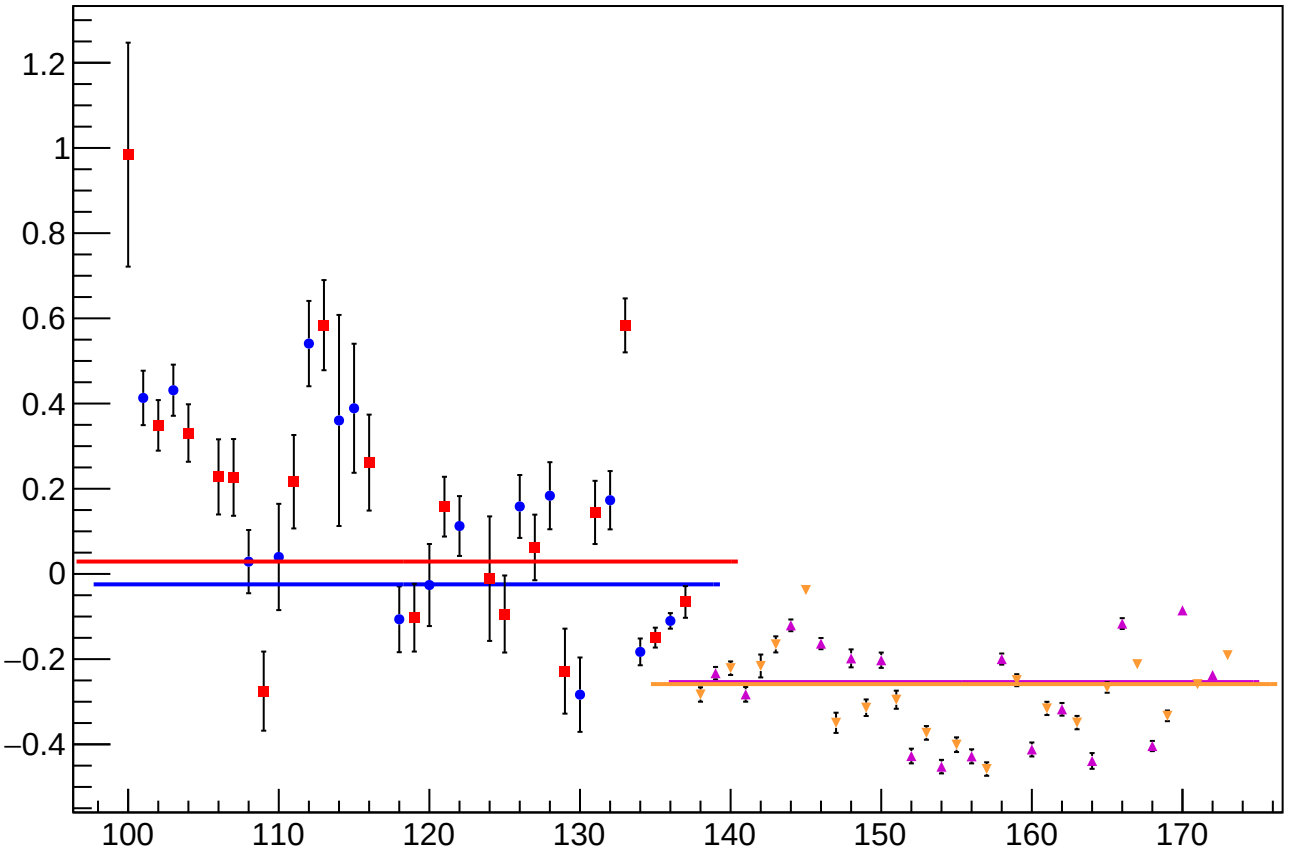
Left: 42.694+/-0.054 χ^2/NDF: 9200.0/35

Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 43.328+/-0.074 χ^2/NDF:8170.3/32

Out: 44.024+/-0.072 χ^2/NDF:7593.3/37

All: 43.685+/-0.051 χ^2/NDF: 15809.2/70



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.259+/-0.003 χ^2/NDF:893.1/18

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.254+/-0.003 χ^2/NDF:1310.3/16

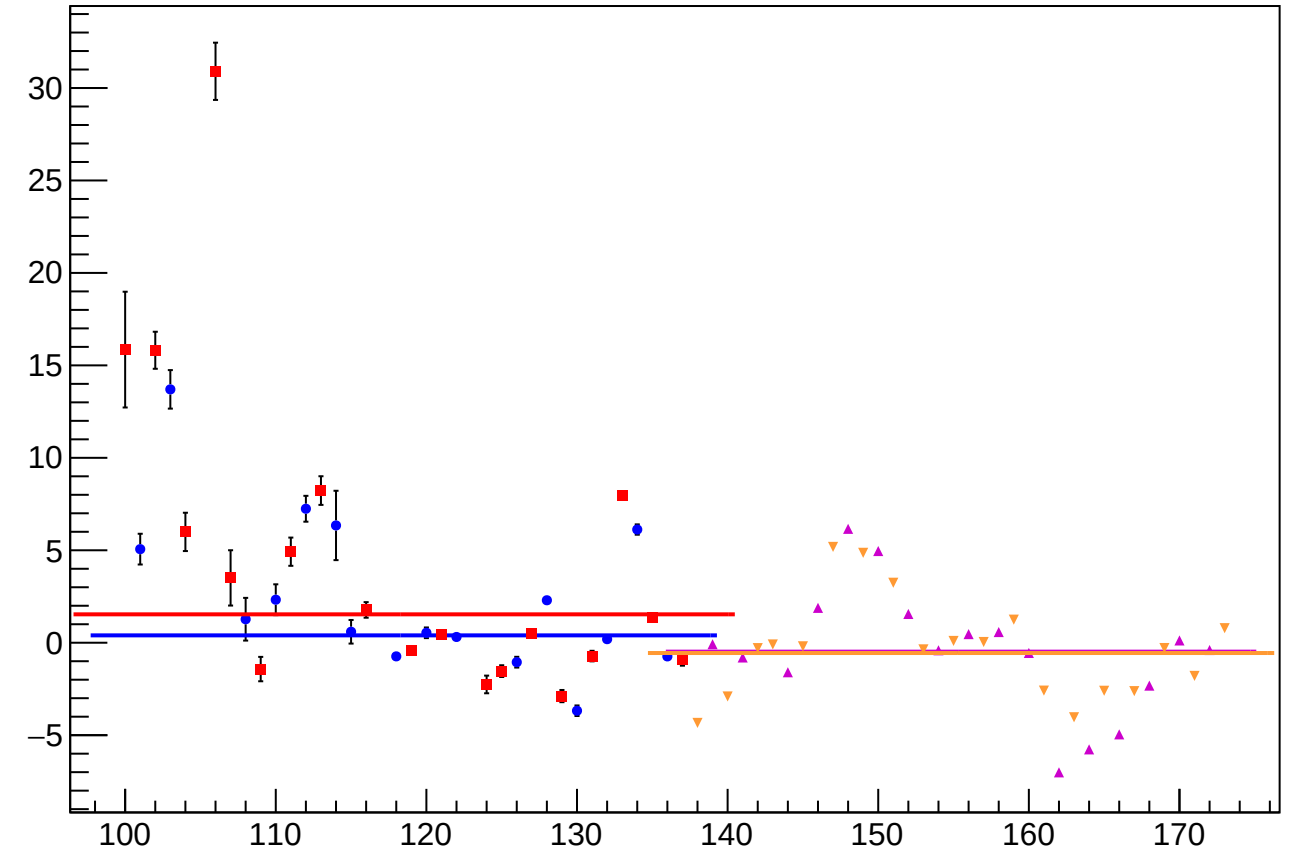
Left: -0.256+/-0.002 χ^2/NDF: 2204.3/35

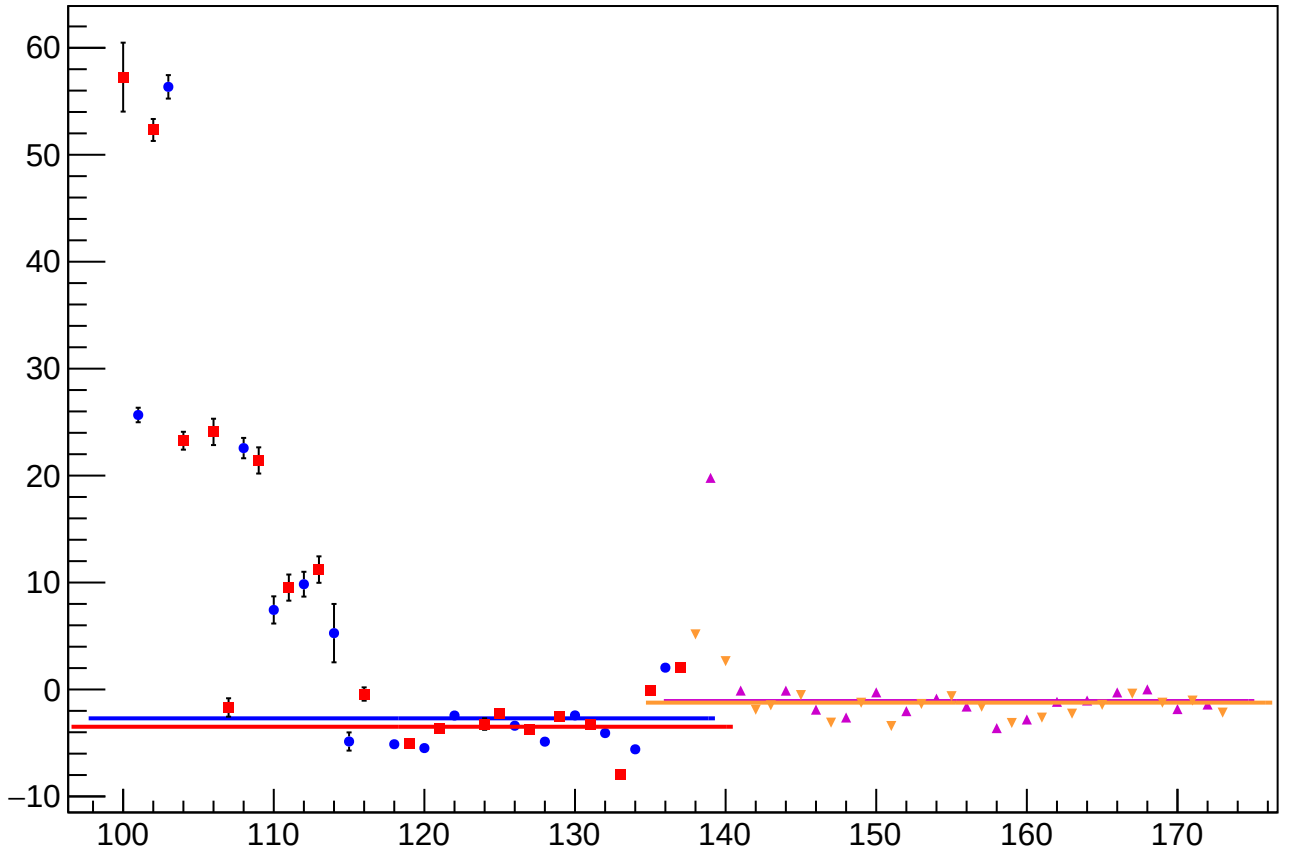
Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.238+/-0.003 χ^2/NDF:1839.3/32

Out: -0.244+/-0.003 χ^2/NDF:1555.8/37

All: -0.241+/-0.002 χ^2/NDF: 3396.3/70


reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
Right In: 0.398+/-0.077 χ²/NDF: 1097.4/15
Left Out: -0.556+/-0.035 χ²/NDF:4674.9/18
Right Out: 1.536+/-0.078 χ²/NDF: 2411.2/18
Left In: -0.482+/-0.036 χ²/NDF:6609.6/16
Left: -0.520+/-0.025 χ²/NDF: 11286.7/35
Right: 0.959+/-0.055 χ²/NDF: 3615.8/34
In: -0.326+/-0.032 χ²/NDF:7814.3/32
Out: -0.210+/-0.032 χ²/NDF:7683.6/37
All: -0.267+/-0.023 χ²/NDF: 15504.3/70



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -1.231+/-0.025 χ^2/NDF:4377.8/18

Right Out: -3.486+/-0.071 χ^2/NDF: 7159.9/18

Left In: -1.082+/-0.026 χ^2/NDF:8333.3/16

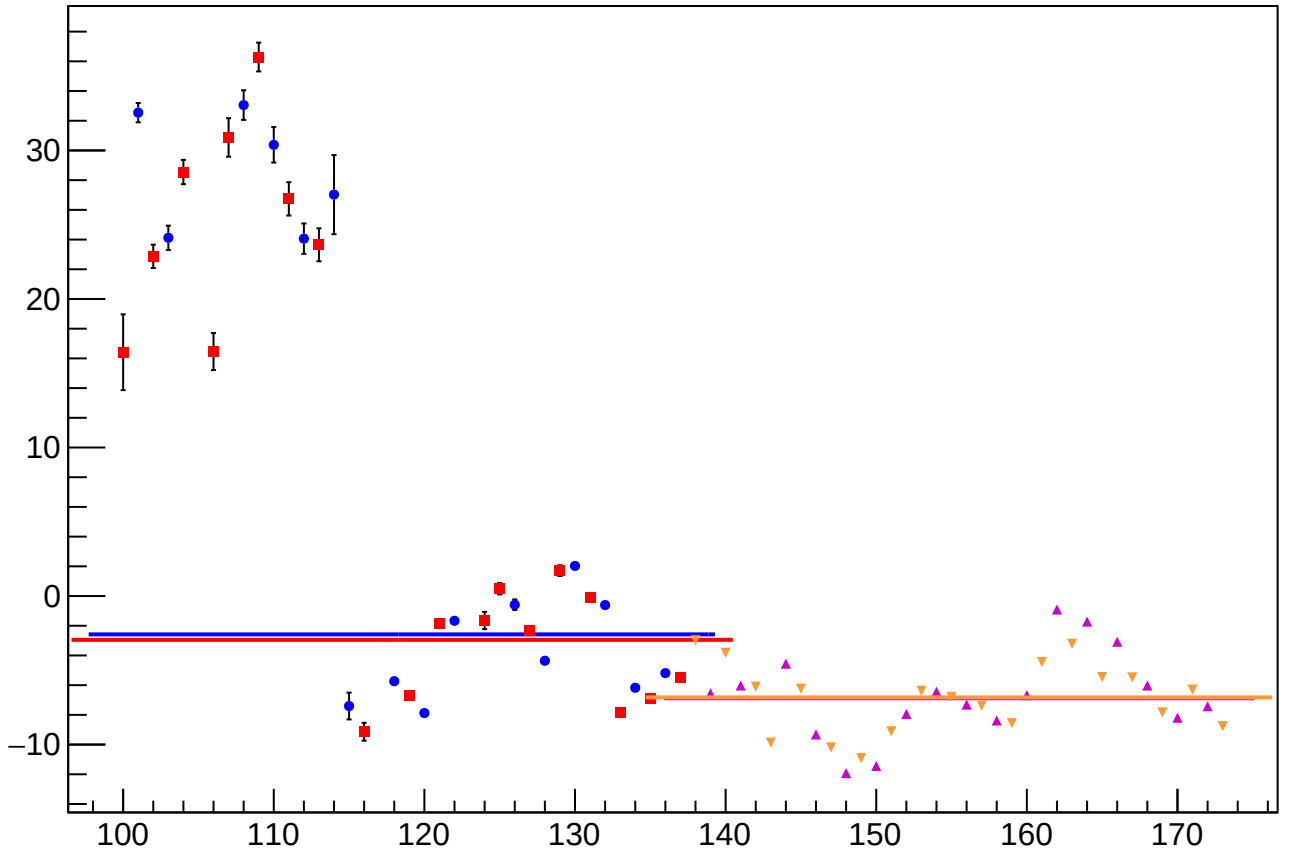
Left: -1.158+/-0.018 χ^2/NDF: 12728.1/35

Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -1.272+/-0.024 χ^2/NDF:15898.2/32

Out: -1.483+/-0.024 χ^2/NDF:12437.1/37

All: -1.380+/-0.017 χ^2/NDF: 28373.8/70



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -6.824+/-0.035 χ^2/NDF:3916.4/18

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -6.883+/-0.035 χ^2/NDF:5743.7/16

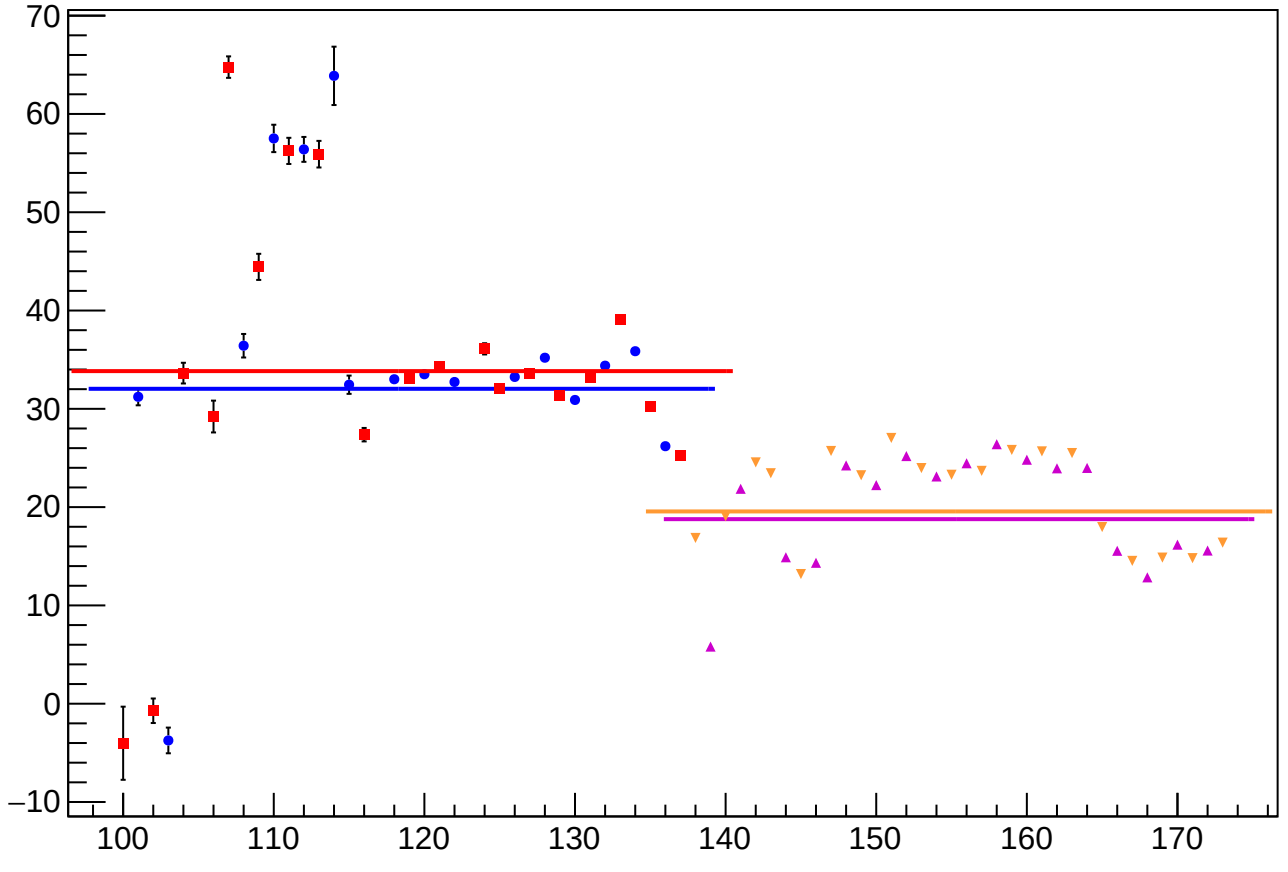
Left: -6.853+/-0.025 χ^2/NDF: 9661.5/35

Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -6.225+/-0.032 χ^2/NDF:16173.4/32

Out: -6.272+/-0.032 χ^2/NDF:13898.2/37

All: -6.249+/-0.023 χ^2/NDF: 30072.6/70



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 19.561+/-0.029 χ^2/NDF:28600.0/18

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 18.775+/-0.030 χ^2/NDF:26488.7/16

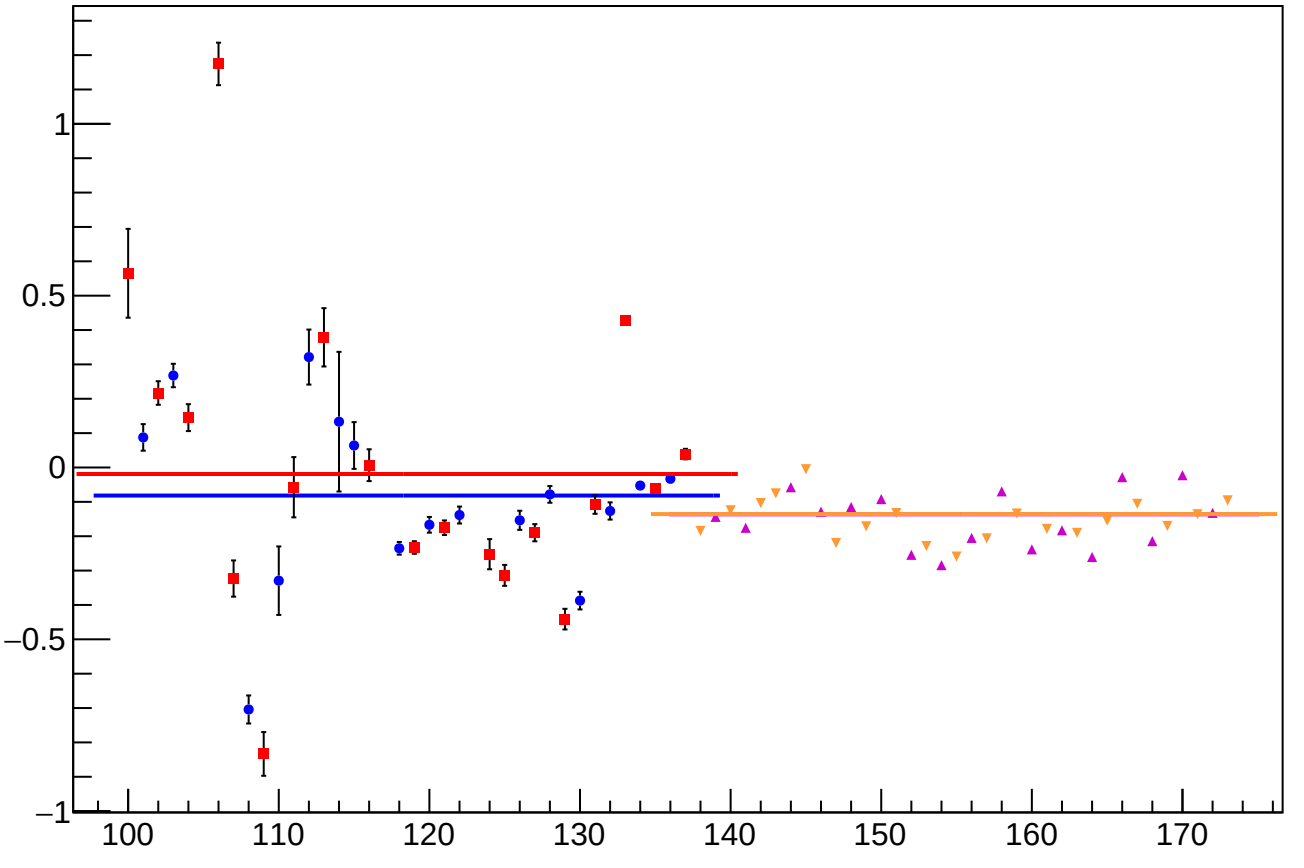
Left: 19.181+/-0.021 χ^2/NDF: 55450.7/35

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 20.333+/-0.028 χ^2/NDF:53238.2/32

Out: 21.135+/-0.027 χ^2/NDF:60060.1/37

All: 20.745+/-0.019 χ^2/NDF: 113724.1/70



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.136+/-0.001 χ^2/NDF:2357.7/18

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.136+/-0.001 χ^2/NDF:3558.8/16

Left: -0.136+/-0.001 χ^2/NDF: 5916.7/35

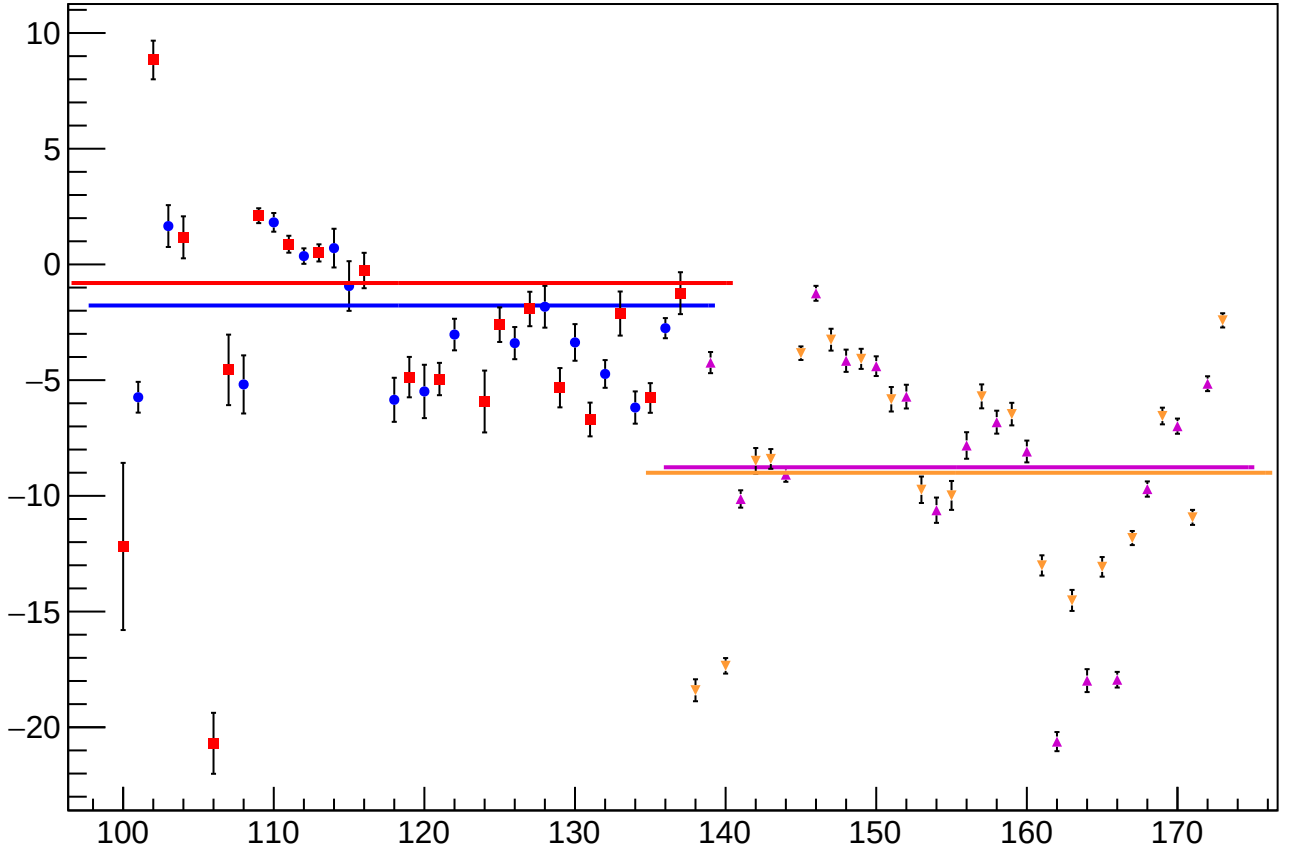
Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.132+/-0.001 χ^2/NDF:4367.0/32

Out: -0.129+/-0.001 χ^2/NDF:5105.4/37

All: -0.131+/-0.001 χ^2/NDF: 9476.5/70

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -9.003+/-0.093 χ^2/NDF:2657.7/18

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -8.765+/-0.097 χ^2/NDF:2987.4/16

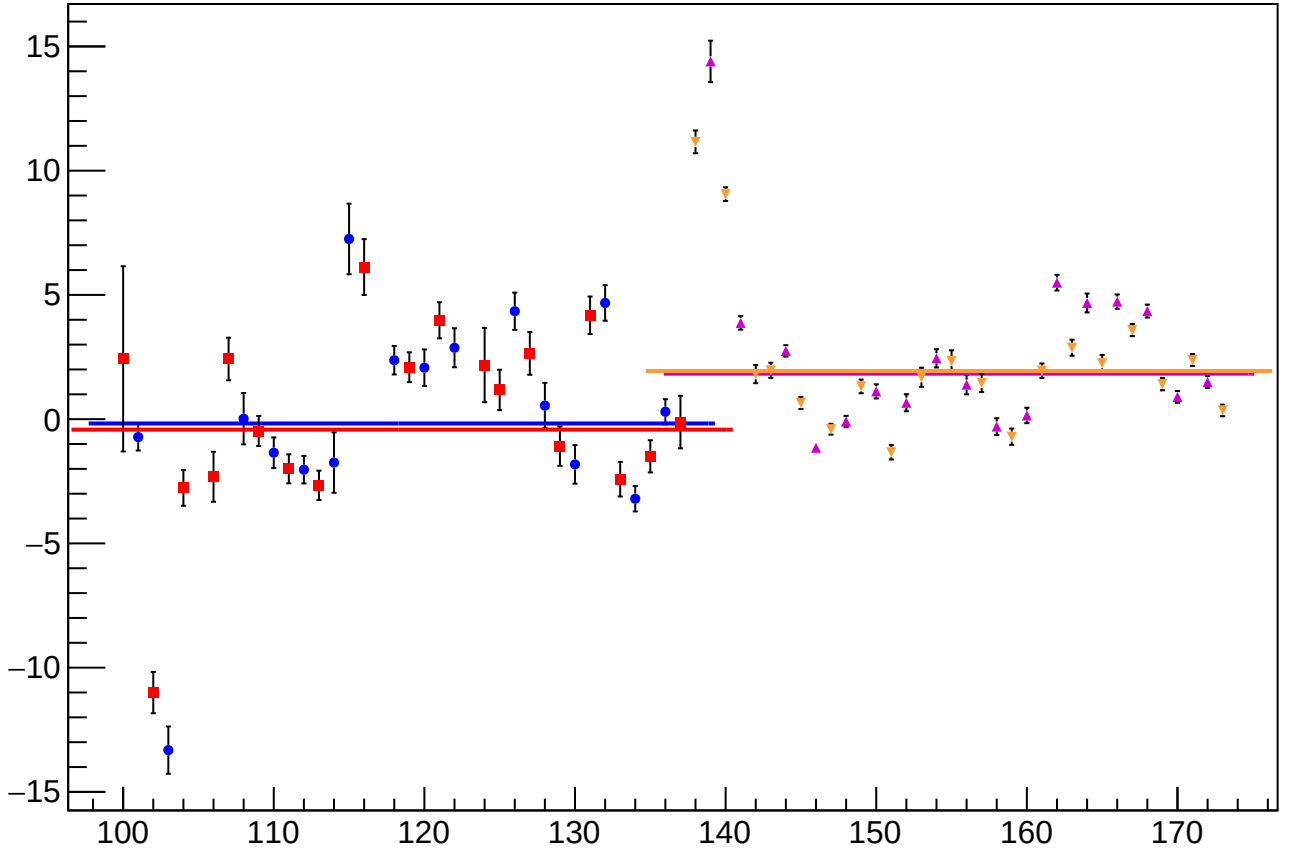
Left: -8.888+/-0.067 χ^2/NDF: 5648.3/35

Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -6.850+/-0.082 χ^2/NDF:4721.8/32

Out: -6.677+/-0.079 χ^2/NDF:5580.8/37

All: -6.760+/-0.057 χ^2/NDF: 10304.9/70



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 1.939+/-0.066 χ^2/NDF:1518.8/18

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 1.830+/-0.069 χ^2/NDF:1100.3/16

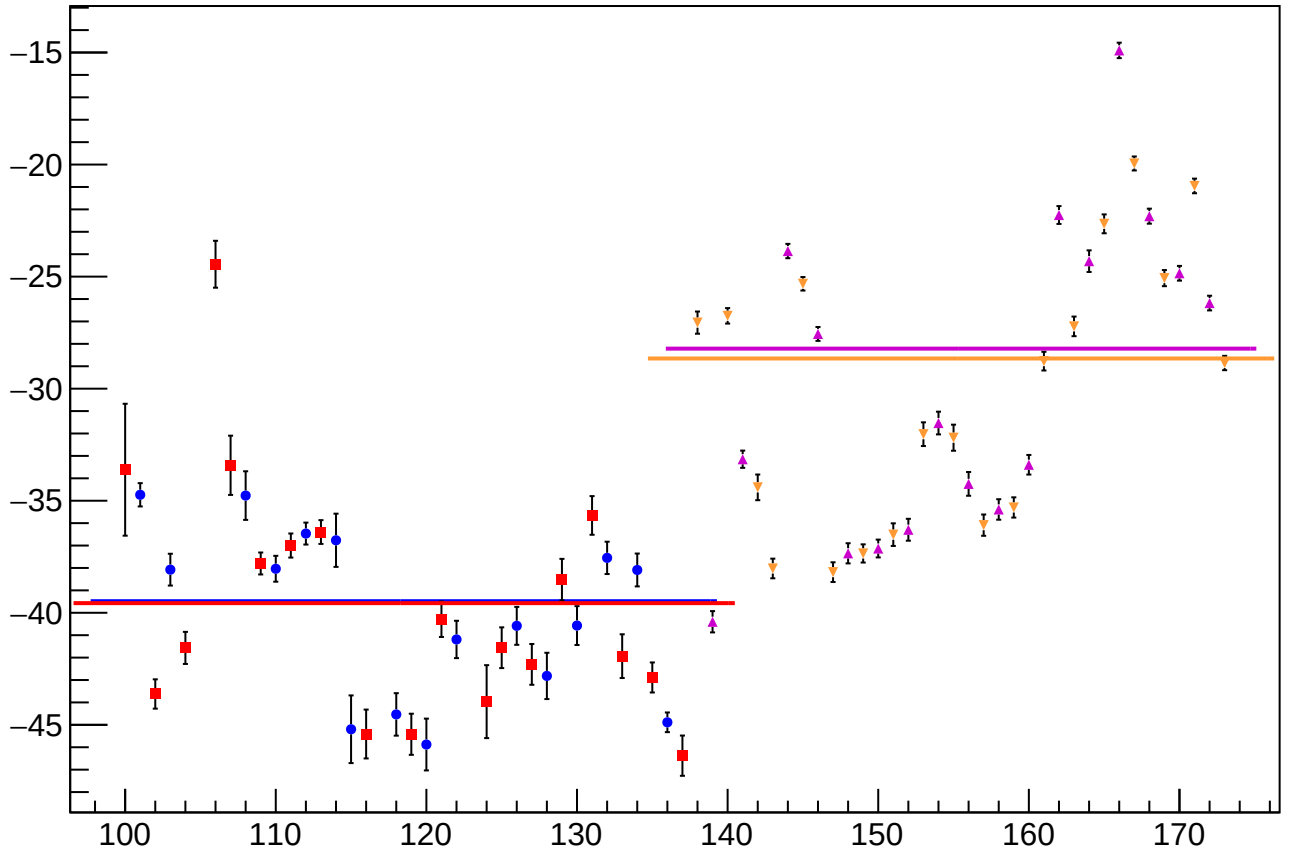
Left: 1.886+/-0.048 χ^2/NDF: 2620.4/35

Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 1.558+/-0.064 χ^2/NDF:1619.4/32

Out: 1.648+/-0.062 χ^2/NDF:2040.6/37

All: 1.604+/-0.045 χ^2/NDF: 3661.0/70



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -28.653+/-0.093 χ^2/NDF:4079.7/18

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -28.213+/-0.095 χ^2/NDF:4993.9/16

Left: -28.439+/-0.066 χ^2/NDF: 9084.5/35

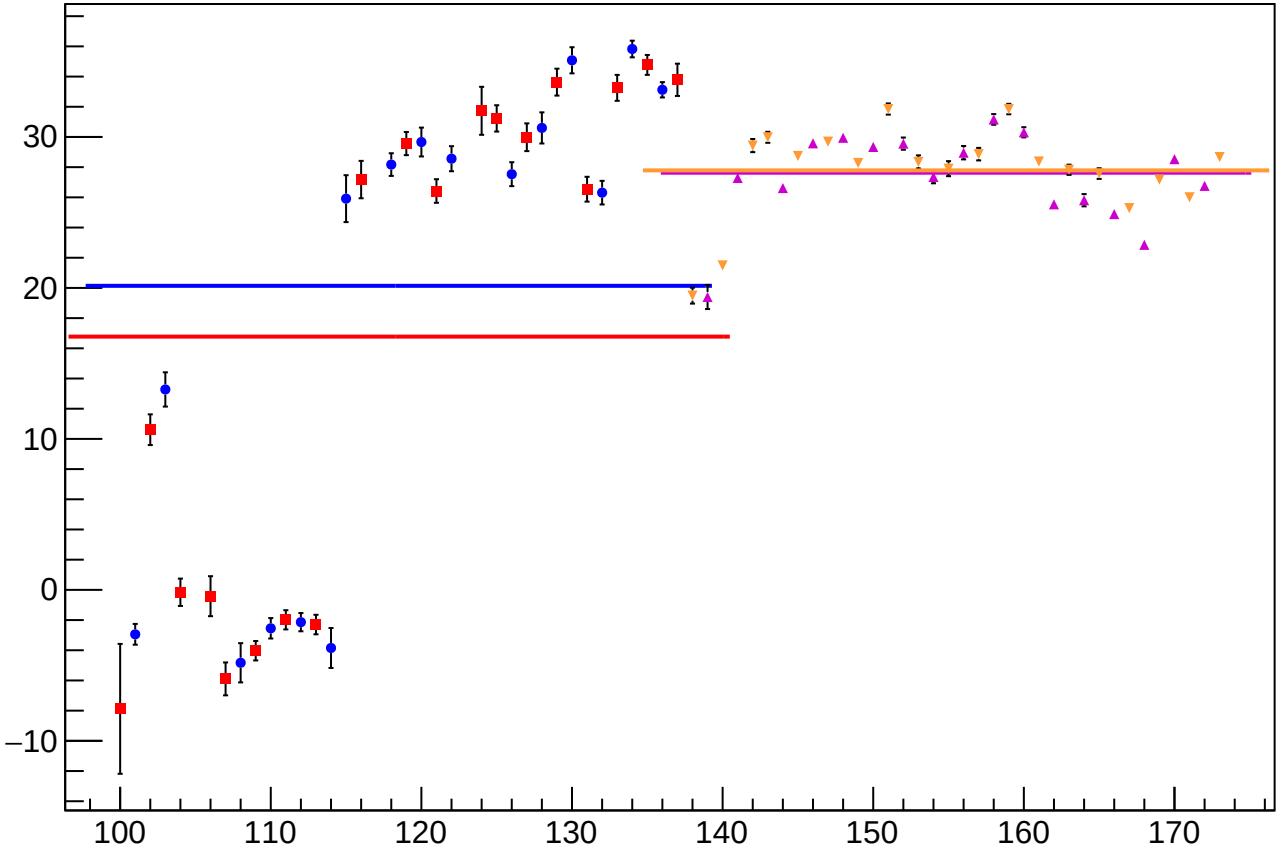
Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -30.665+/-0.084 χ^2/NDF:8463.2/32

Out: -30.919+/-0.082 χ^2/NDF:7516.7/37

All: -30.794+/-0.059 χ^2/NDF: 15984.5/70

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.787+/-0.076 χ^2/NDF:1130.2/18

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 27.632+/-0.079 χ^2/NDF:872.9/16

Left: 27.712+/-0.055 χ^2/NDF: 2005.1/35

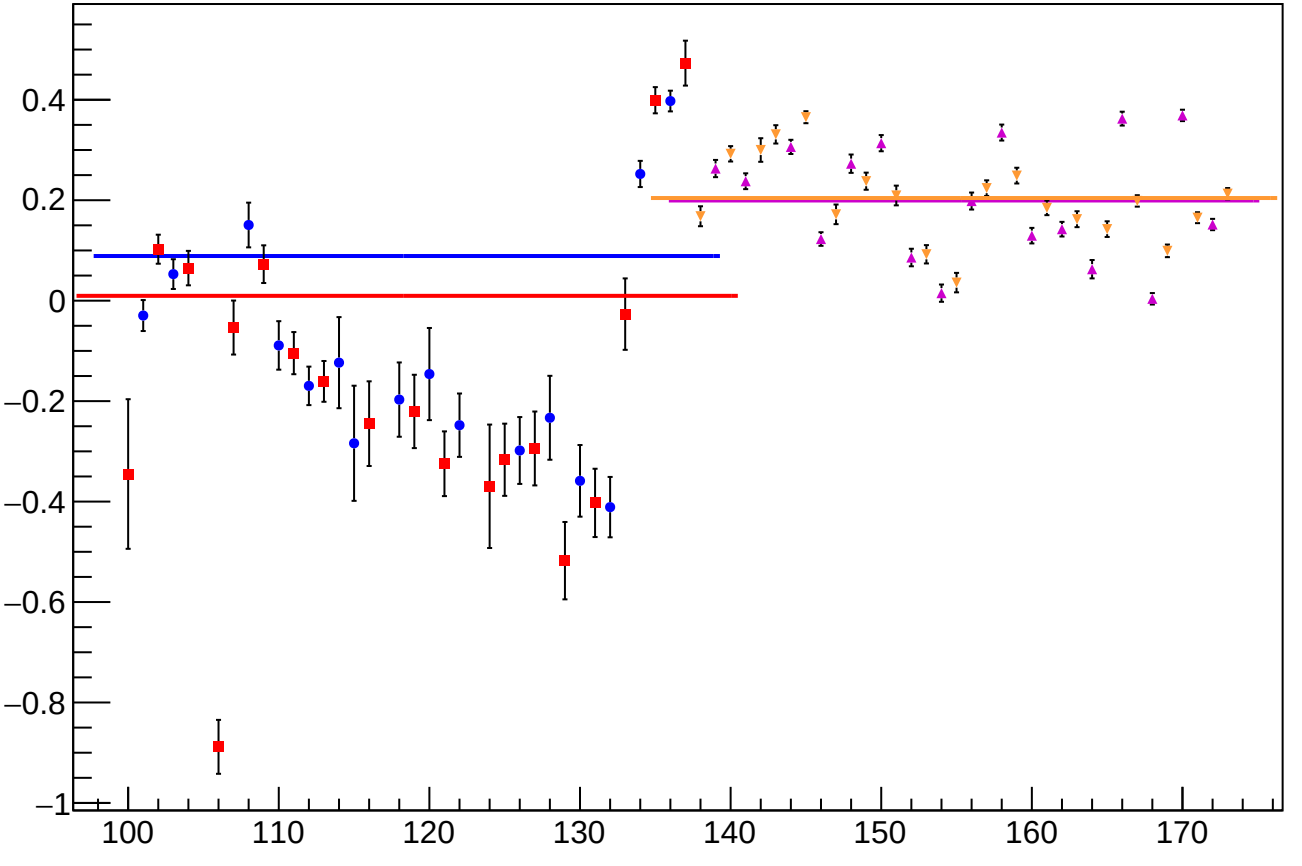
Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 26.577+/-0.073 χ^2/NDF:8829.7/32

Out: 26.394+/-0.071 χ^2/NDF:10525.1/37

All: 26.483+/-0.051 χ^2/NDF: 19358.0/70

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: 0.204+/-0.003 χ^2/NDF:520.6/18

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.199+/-0.004 χ^2/NDF:1169.9/16

Left: 0.202+/-0.002 χ^2/NDF: 1691.5/35

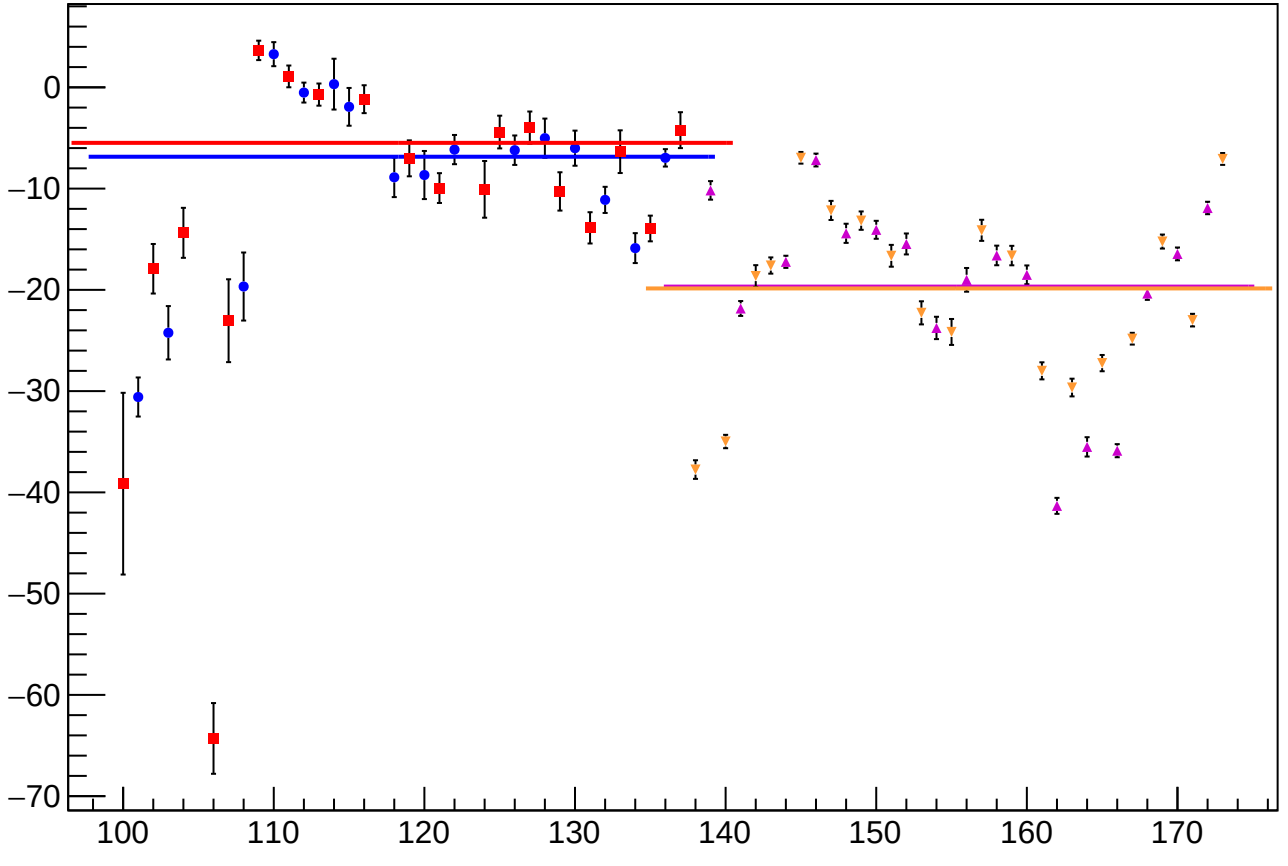
Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.188+/-0.003 χ^2/NDF:1834.8/32

Out: 0.187+/-0.003 χ^2/NDF:1640.0/37

All: 0.188+/-0.002 χ^2/NDF: 3474.9/70

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.853+/-0.376 χ^2/NDF: 390.1/15

Left Out: -19.860+/-0.182 χ^2/NDF:2521.5/18

Right Out: -5.483+/-0.369 χ^2/NDF: 606.5/18

Left In: -19.678+/-0.188 χ^2/NDF:2472.6/16

Left: -19.772+/-0.131 χ^2/NDF: 4994.6/35

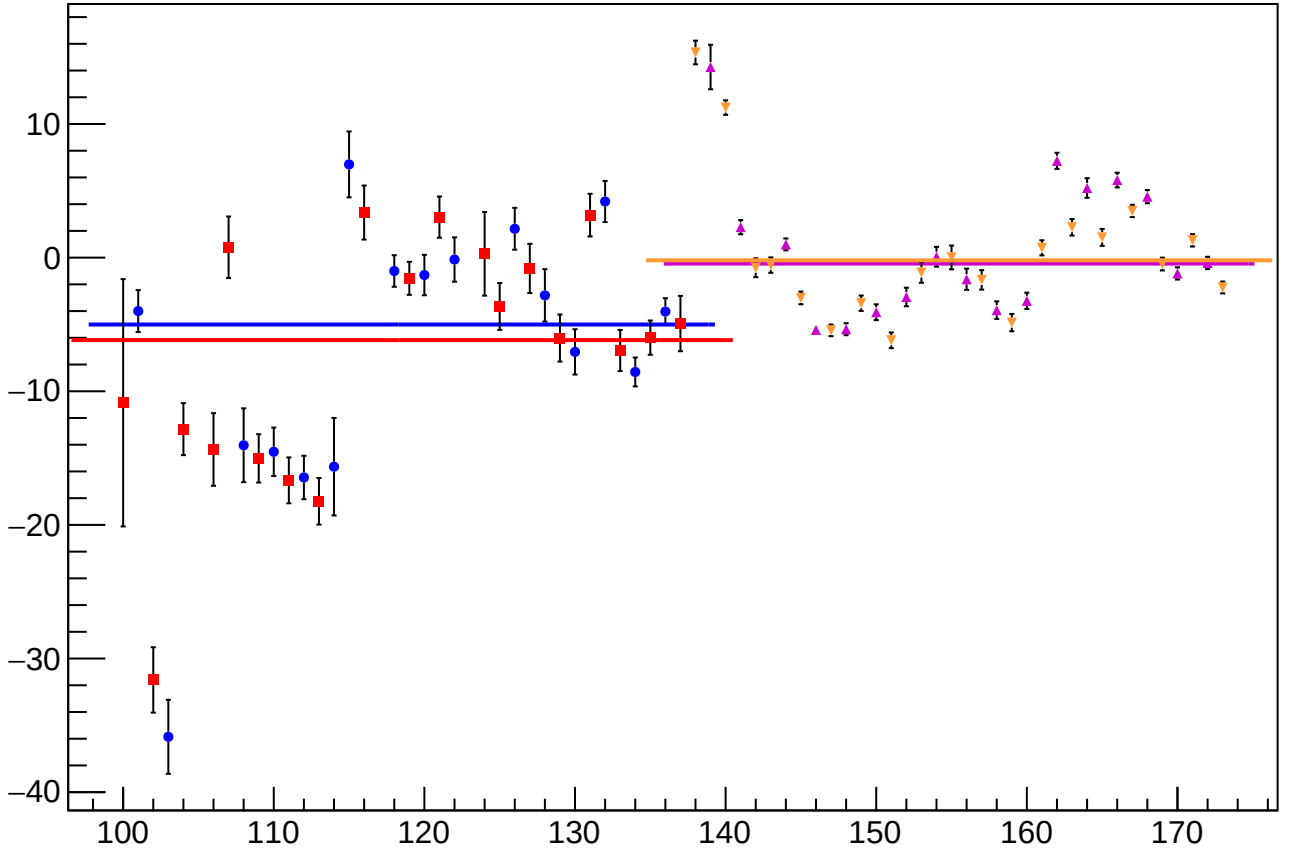
Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -17.100+/-0.168 χ^2/NDF:3794.2/32

Out: -17.052+/-0.163 χ^2/NDF:4349.8/37

All: -17.075+/-0.117 χ^2/NDF: 8144.0/70

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: -0.200+/-0.130 χ^2/NDF:1245.3/18

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: -0.446+/-0.134 χ^2/NDF:968.0/16

Left: -0.319+/-0.093 χ^2/NDF: 2215.0/35

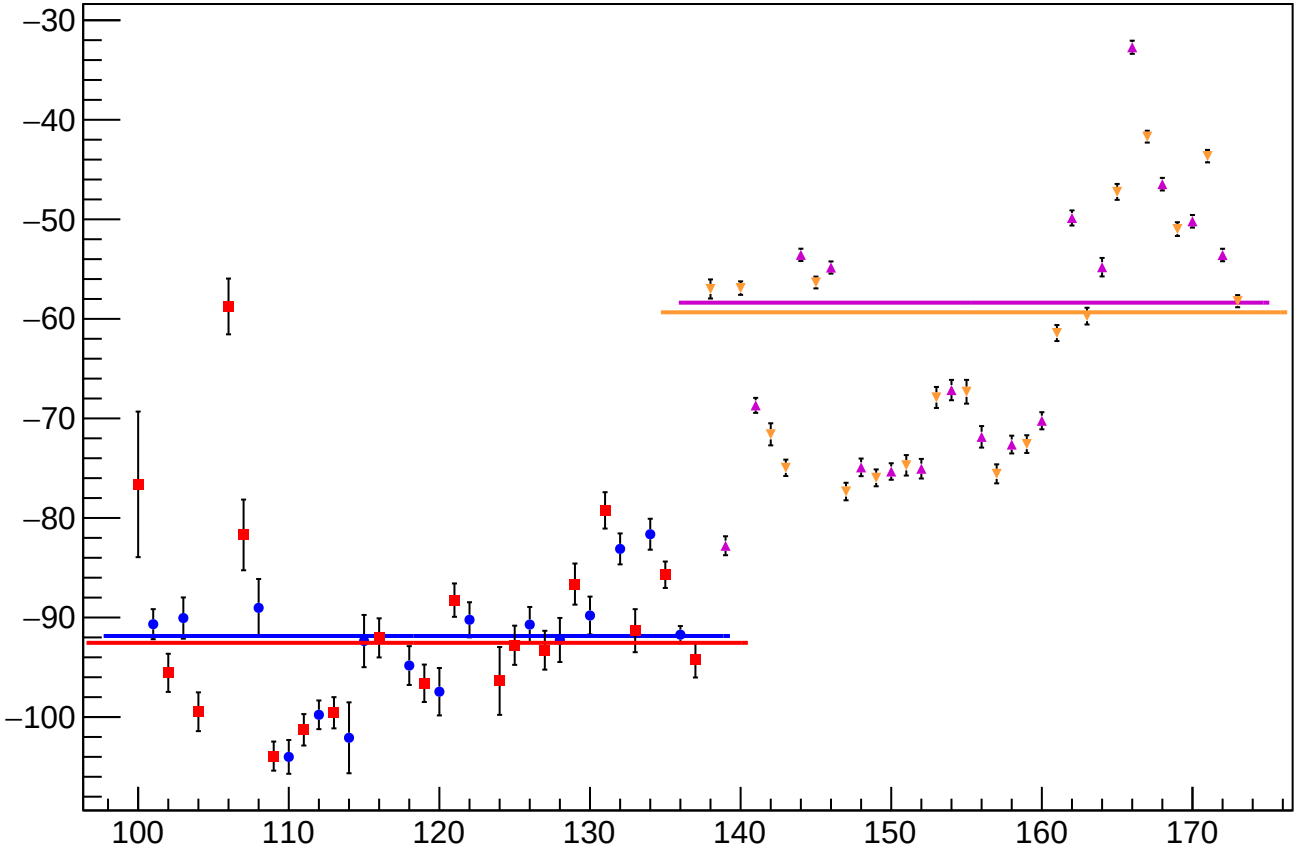
Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -0.914+/-0.127 χ^2/NDF:1429.1/32

Out: -0.728+/-0.124 χ^2/NDF:1801.8/37

All: -0.819+/-0.089 χ^2/NDF: 3232.0/70

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: -59.341+/-0.181 χ^2/NDF:4060.6/18

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -58.371+/-0.186 χ^2/NDF:4891.5/16

Left: -58.869+/-0.129 χ^2/NDF: 8966.1/35

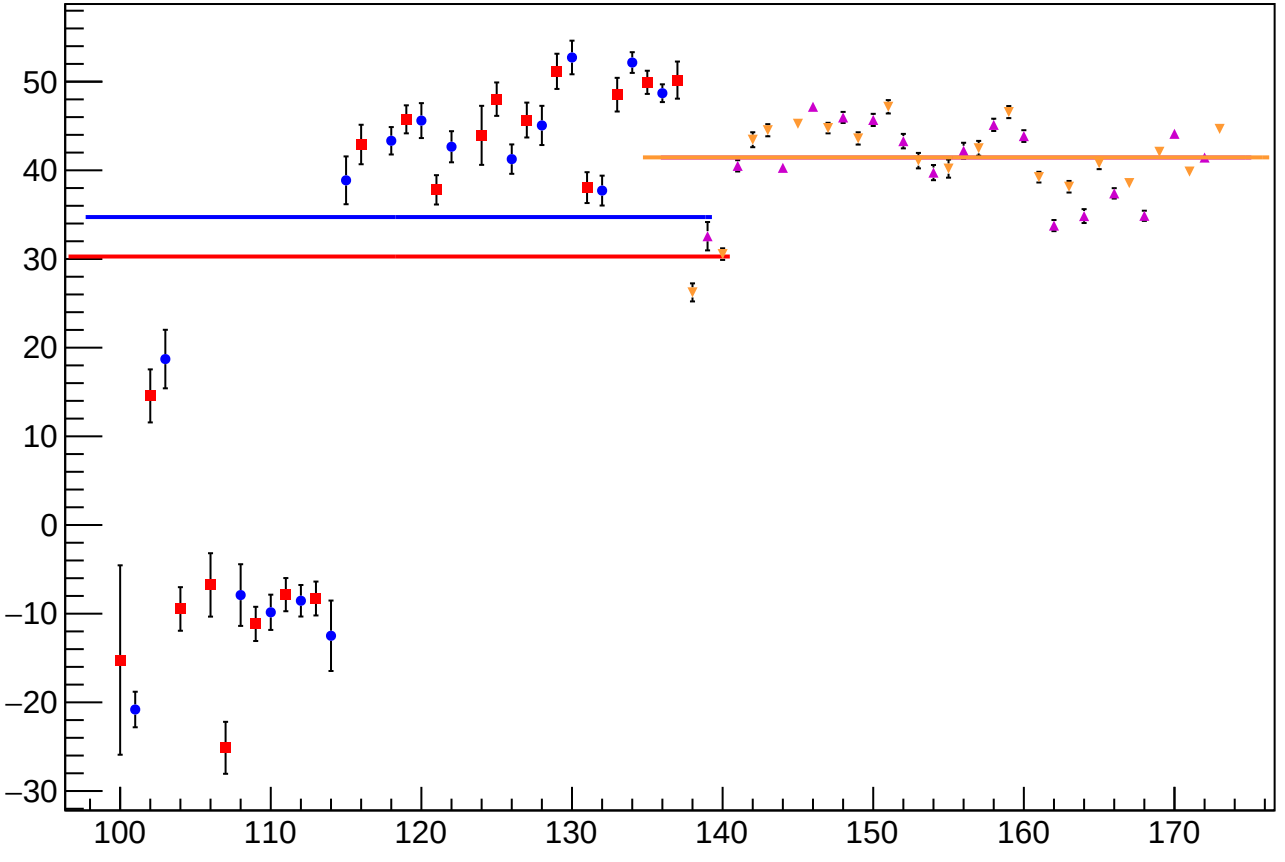
Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -63.756+/-0.170 χ^2/NDF:10301.6/32

Out: -64.145+/-0.167 χ^2/NDF:9335.7/37

All: -63.954+/-0.119 χ^2/NDF: 19640.0/70

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.459+/-0.148 χ^2/NDF:860.5/18

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 41.441+/-0.154 χ^2/NDF:756.2/16

Left: 41.451+/-0.107 χ^2/NDF: 1616.7/35

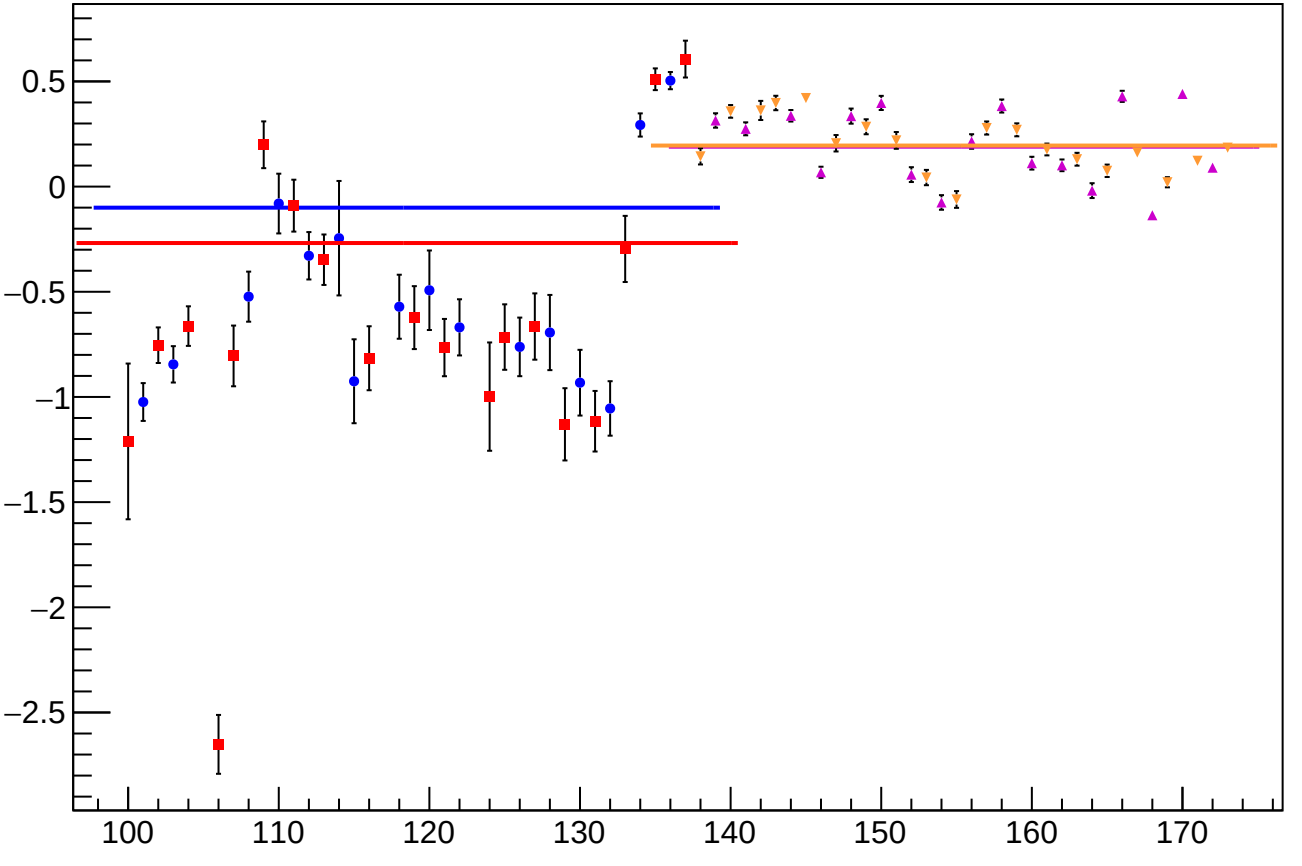
Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 40.716+/-0.145 χ^2/NDF:3771.1/32

Out: 40.438+/-0.141 χ^2/NDF:4292.2/37

All: 40.573+/-0.101 χ^2/NDF: 8065.2/70

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.195+/-0.007 χ^2/NDF:337.8/18

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.190+/-0.007 χ^2/NDF:748.7/16

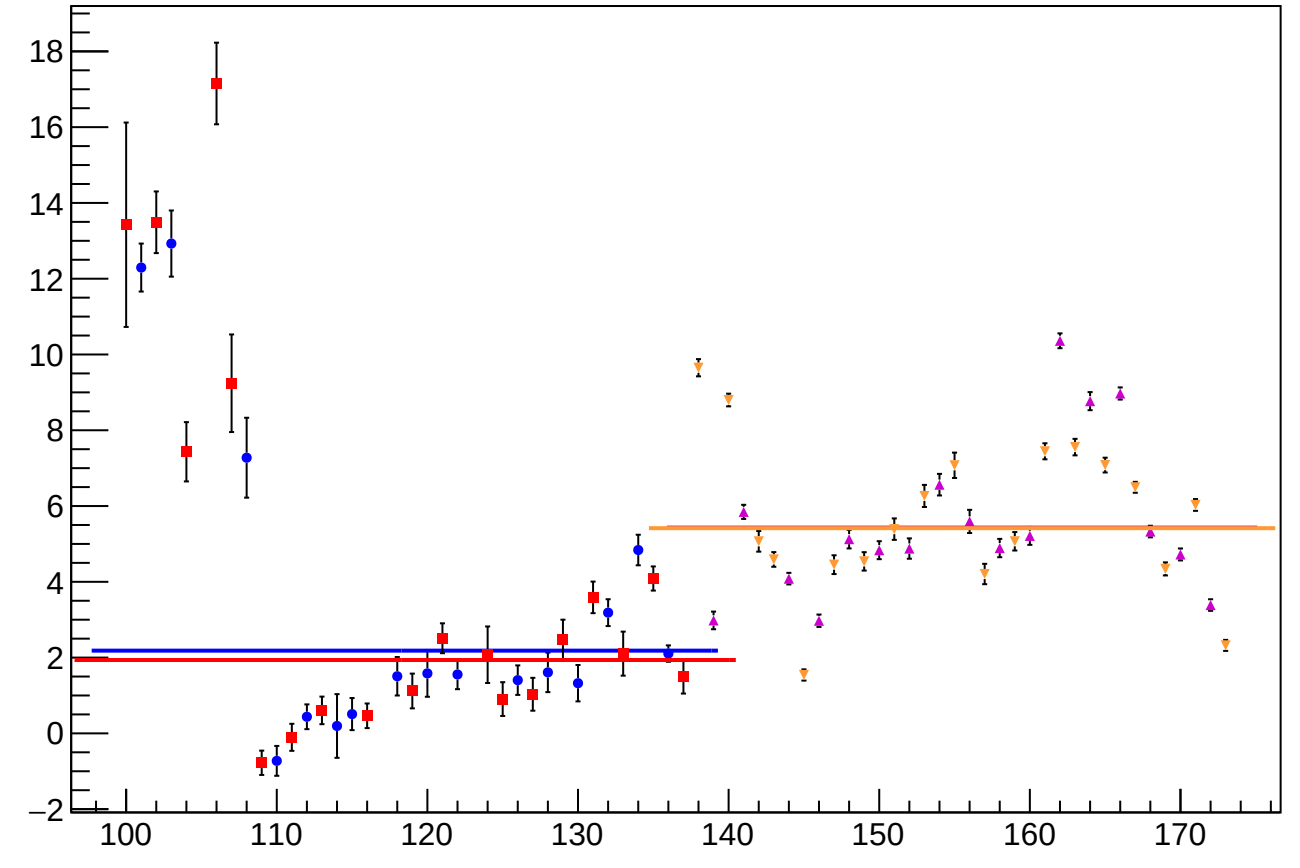
Left: 0.192+/-0.005 χ^2/NDF: 1086.8/35

Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.167+/-0.007 χ^2/NDF:1514.5/32

Out: 0.167+/-0.007 χ^2/NDF:1450.8/37

All: 0.167+/-0.005 χ^2/NDF: 2965.3/70



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 5.416+/-0.046 χ^2/NDF:2360.1/18

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 5.431+/-0.048 χ^2/NDF:1969.7/16

Left: 5.423+/-0.033 χ^2/NDF: 4329.9/35

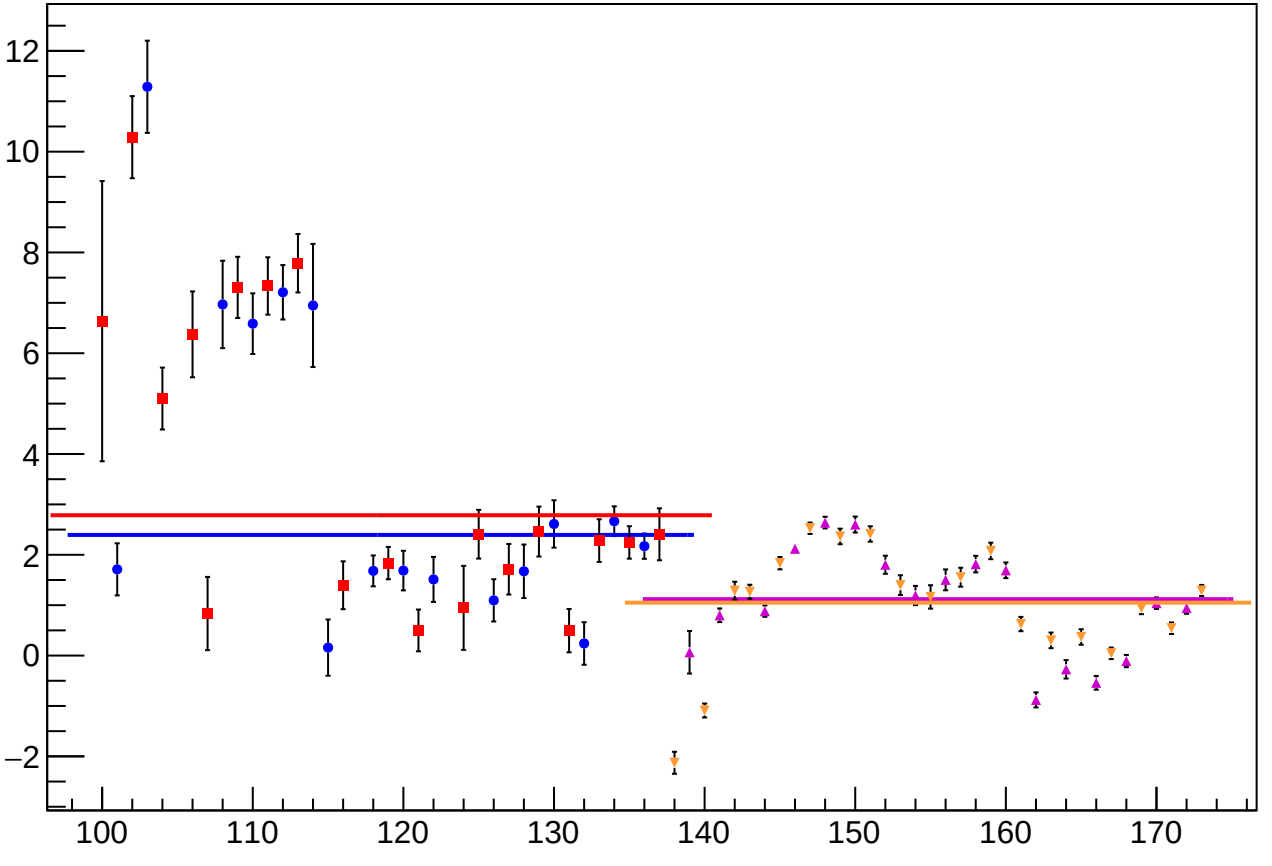
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 4.877+/-0.043 χ^2/NDF:3362.6/32

Out: 4.865+/-0.042 χ^2/NDF:3993.0/37

All: 4.871+/-0.030 χ^2/NDF: 7355.6/70

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: 1.050+/-0.033 χ^2/NDF:1019.7/18

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 1.120+/-0.034 χ^2/NDF:926.9/16

Left: 1.084+/-0.024 χ^2/NDF: 1948.7/35

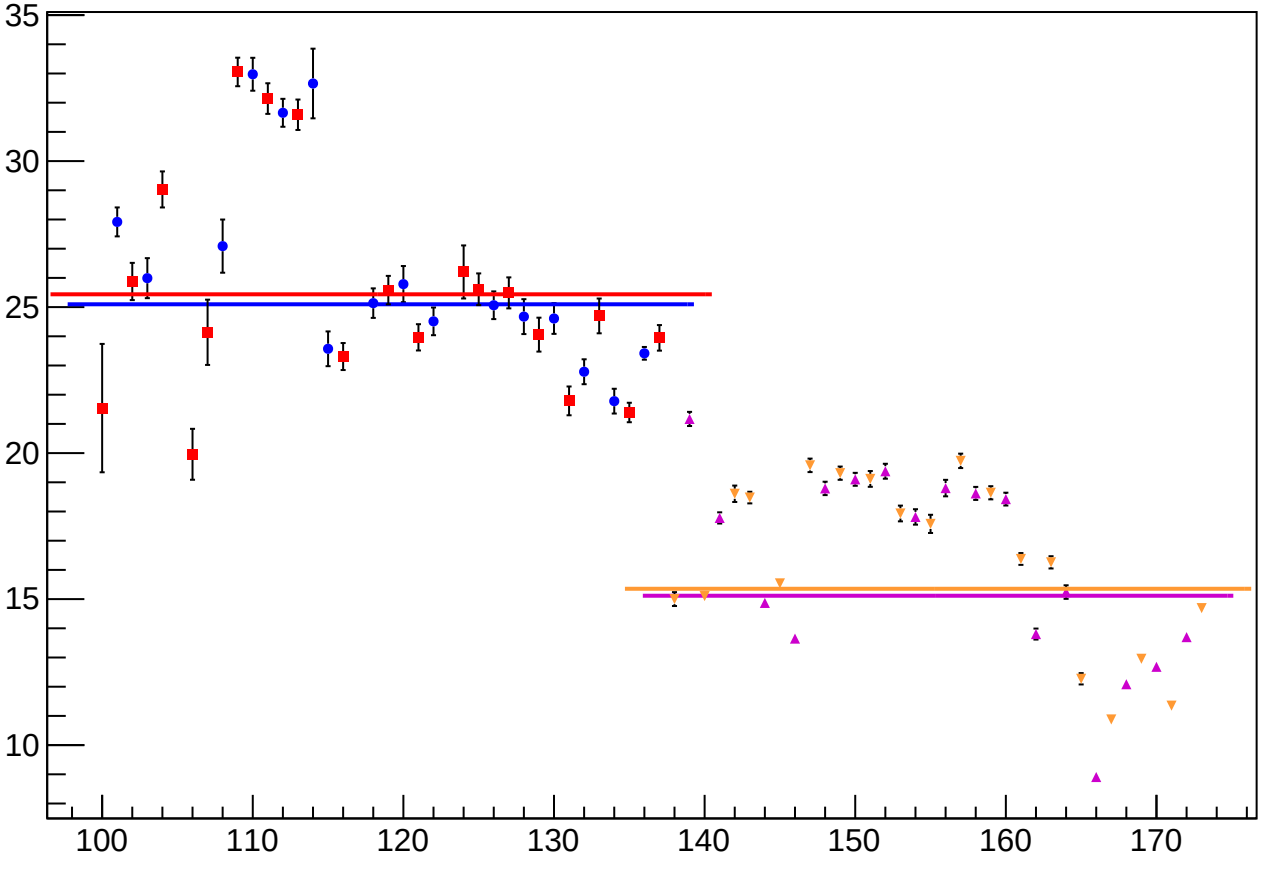
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.233+/-0.032 χ^2/NDF:1387.0/32

Out: 1.178+/-0.032 χ^2/NDF:1638.1/37

All: 1.205+/-0.023 χ^2/NDF: 3026.5/70

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: 15.354+/-0.046 χ^2/NDF:3972.9/18

Right Out: 25.438+/-0.124 χ^2/NDF: 877.6/18

Left In: 15.115+/-0.047 χ^2/NDF:4699.0/16

Left: 15.238+/-0.033 χ^2/NDF: 8685.2/35

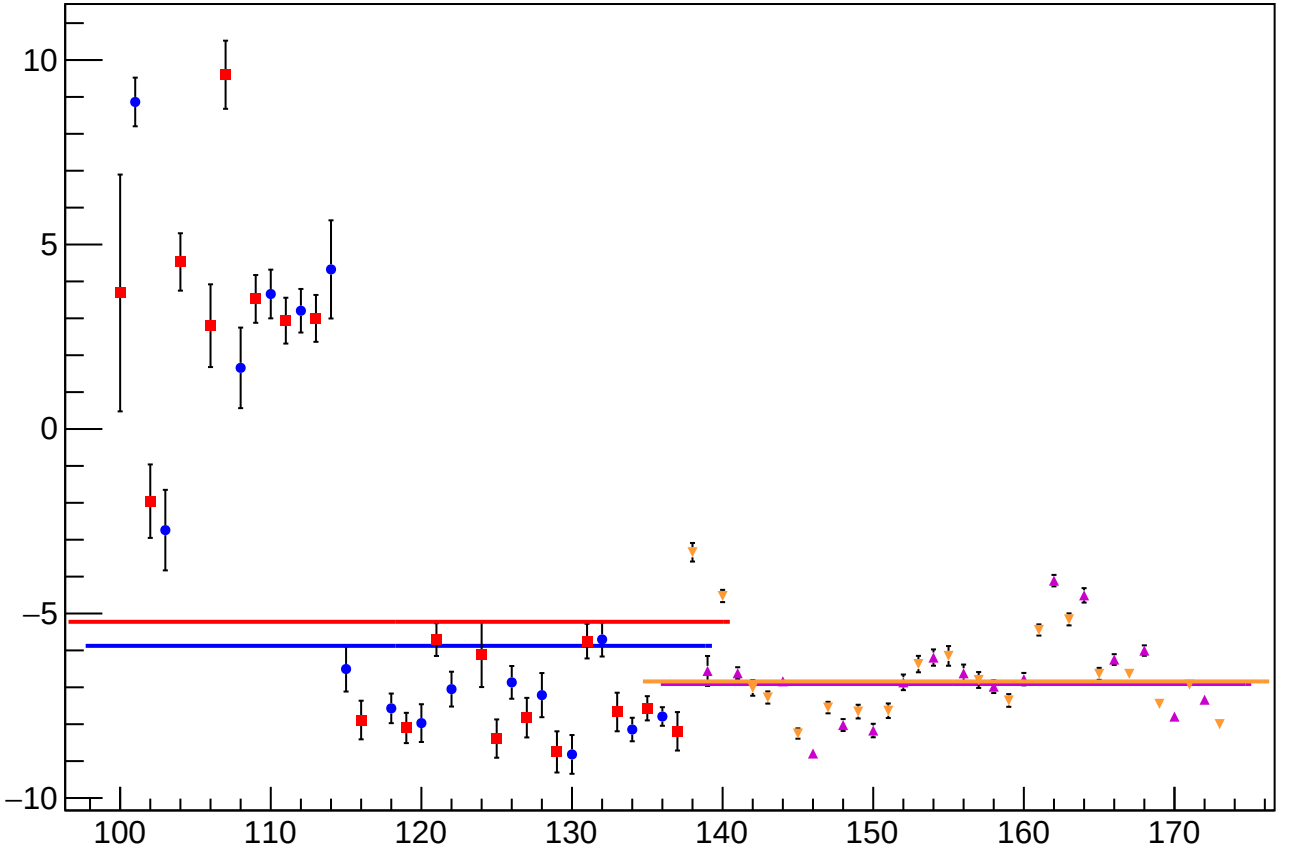
Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 16.488+/-0.044 χ^2/NDF:11541.3/32

Out: 16.552+/-0.043 χ^2/NDF:10675.9/37

All: 16.521+/-0.031 χ^2/NDF: 22218.3/70

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.841+/-0.037 χ^2/NDF:884.0/18

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -6.911+/-0.039 χ^2/NDF:958.7/16

Left: -6.874+/-0.027 χ^2/NDF: 1844.4/35

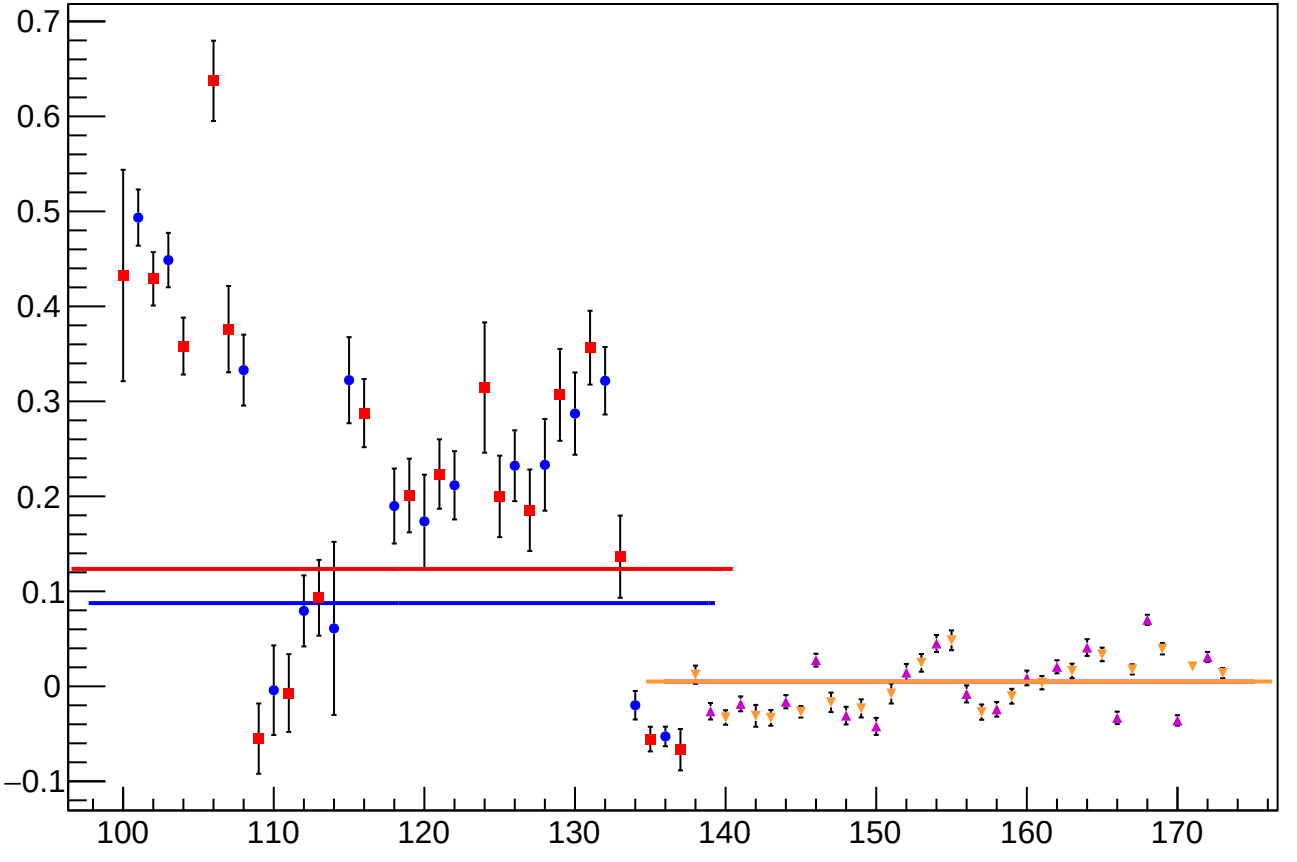
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -6.814+/-0.037 χ^2/NDF:2276.6/32

Out: -6.717+/-0.036 χ^2/NDF:2319.9/37

All: -6.764+/-0.026 χ^2/NDF: 4600.1/70

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: 0.005+/-0.002 χ^2/NDF:208.6/18

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: 0.005+/-0.002 χ^2/NDF:405.1/16

Left: 0.005+/-0.001 χ^2/NDF: 613.7/35

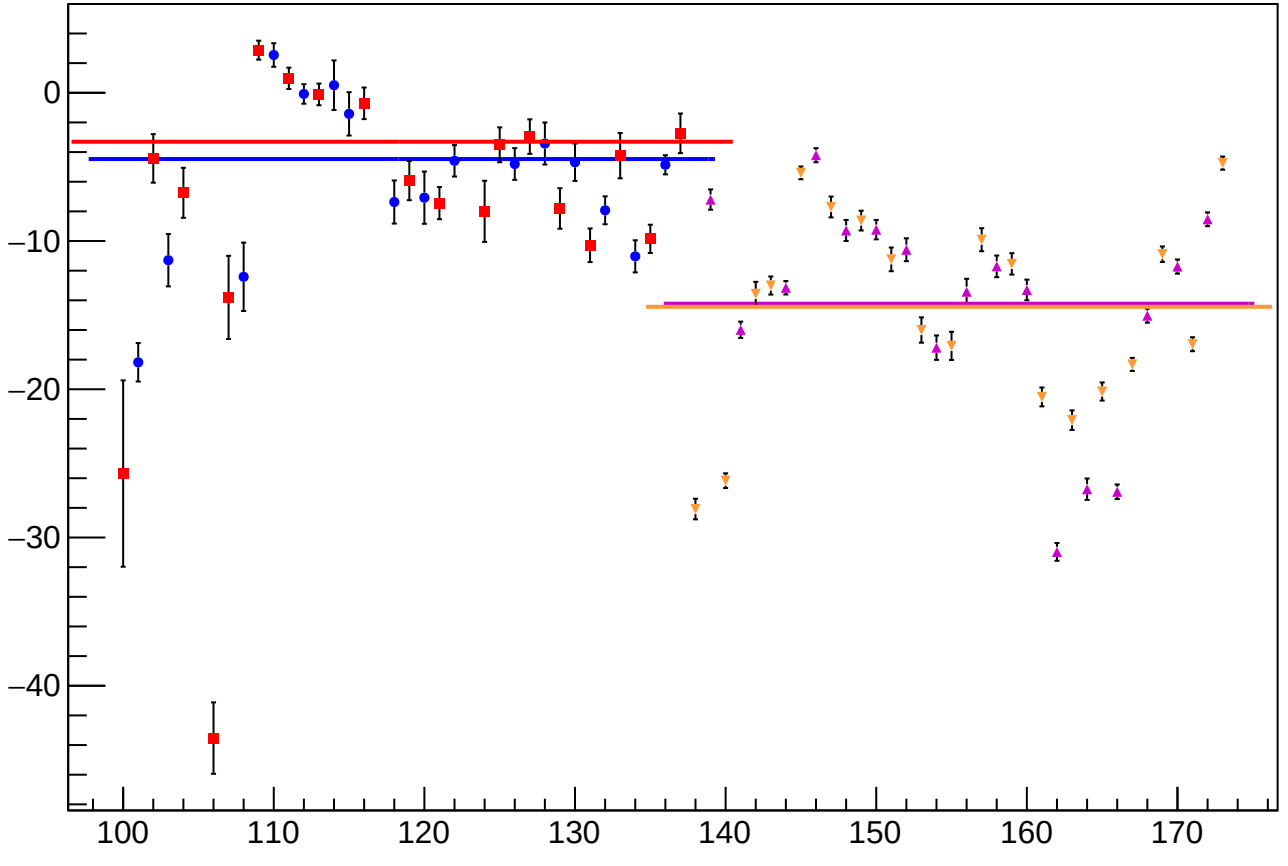
Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.010+/-0.002 χ^2/NDF:1319.7/32

Out: 0.011+/-0.002 χ^2/NDF:1219.2/37

All: 0.011+/-0.001 χ^2/NDF: 2539.0/70

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -14.436+/-0.137 χ^2/NDF:2568.7/18

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -14.229+/-0.142 χ^2/NDF:2647.1/16

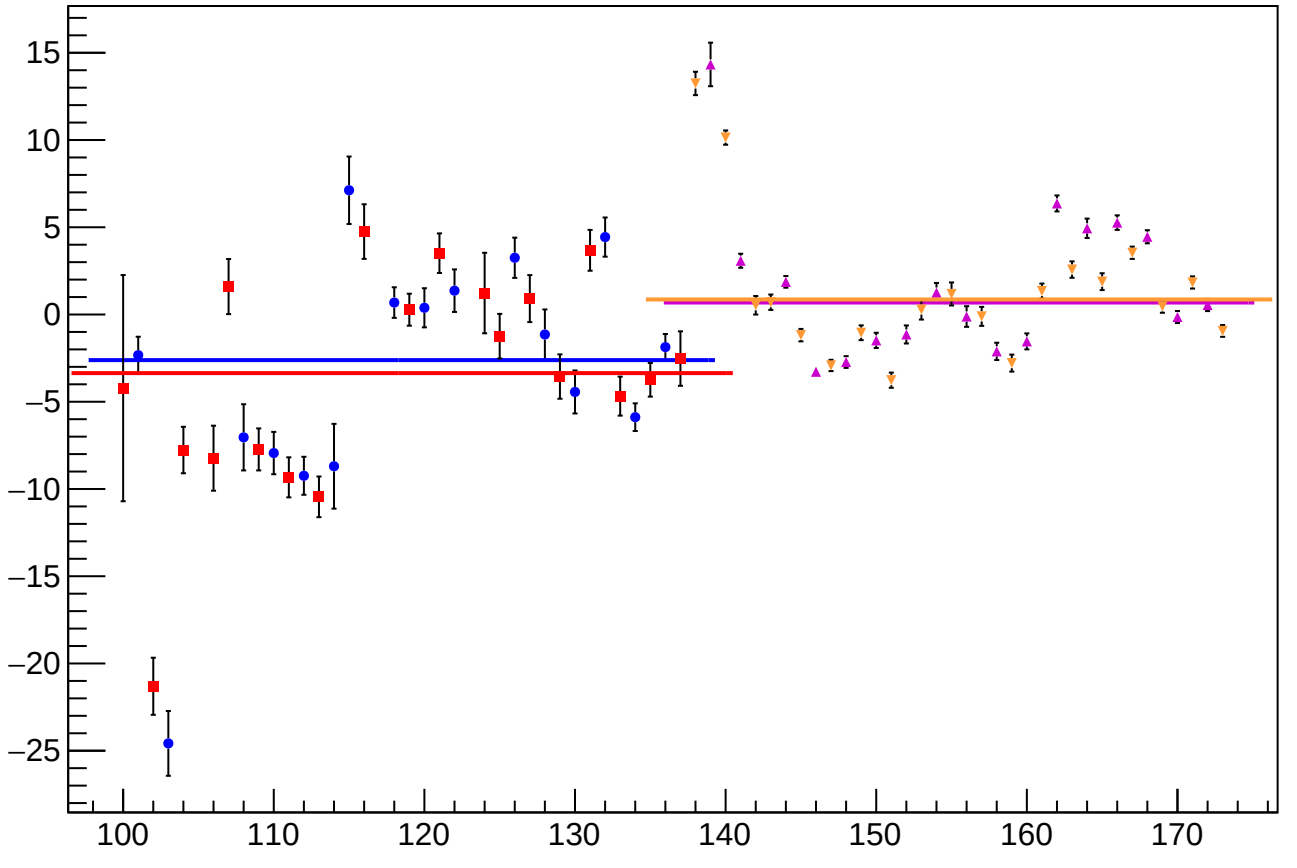
Left: -14.336+/-0.099 χ^2/NDF: 5216.9/35

Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -12.097+/-0.125 χ^2/NDF:4011.7/32

Out: -12.027+/-0.121 χ^2/NDF:4581.2/37

All: -12.061+/-0.087 χ^2/NDF: 8593.1/70



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.862+/-0.098 χ^2/NDF:1332.8/18

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 0.685+/-0.101 χ^2/NDF:1001.5/16

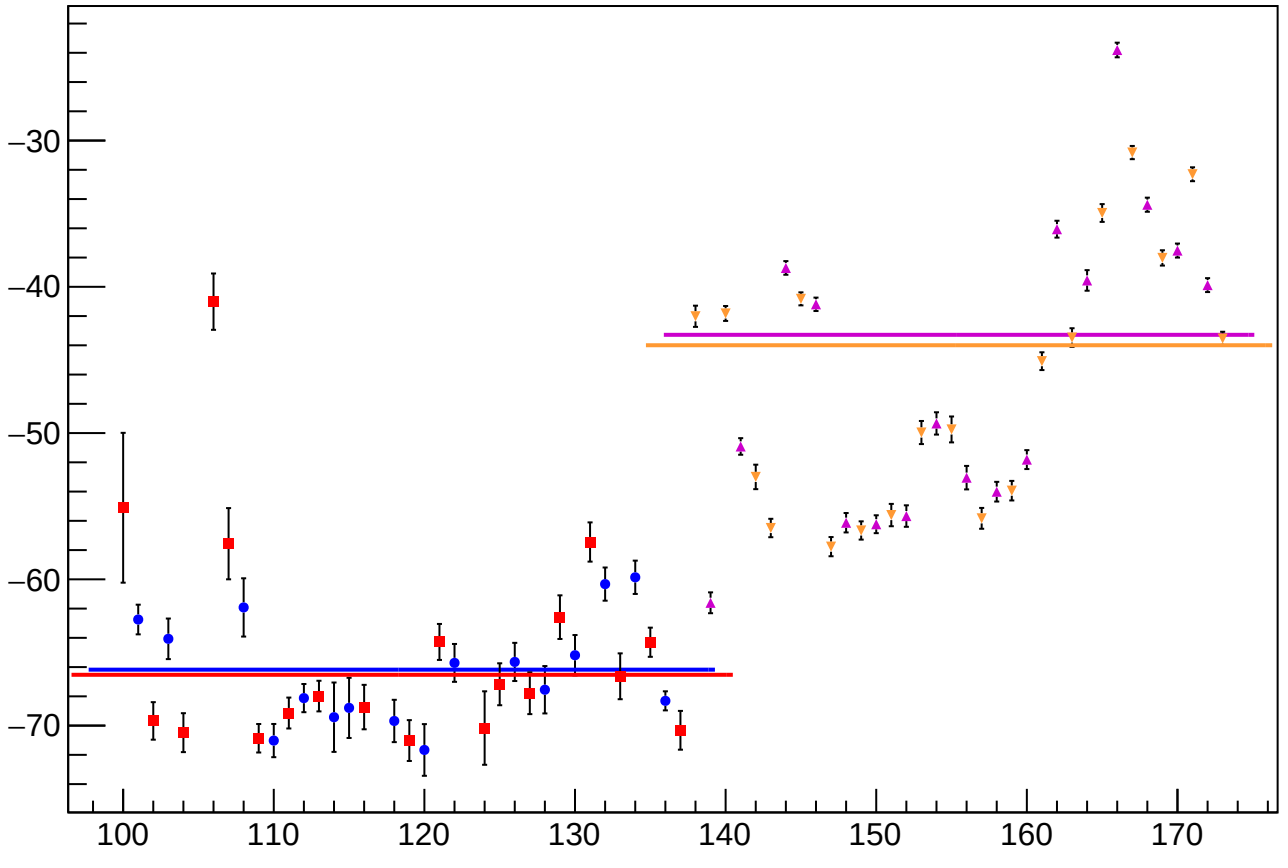
Left: 0.776+/-0.070 χ^2/NDF: 2335.8/35

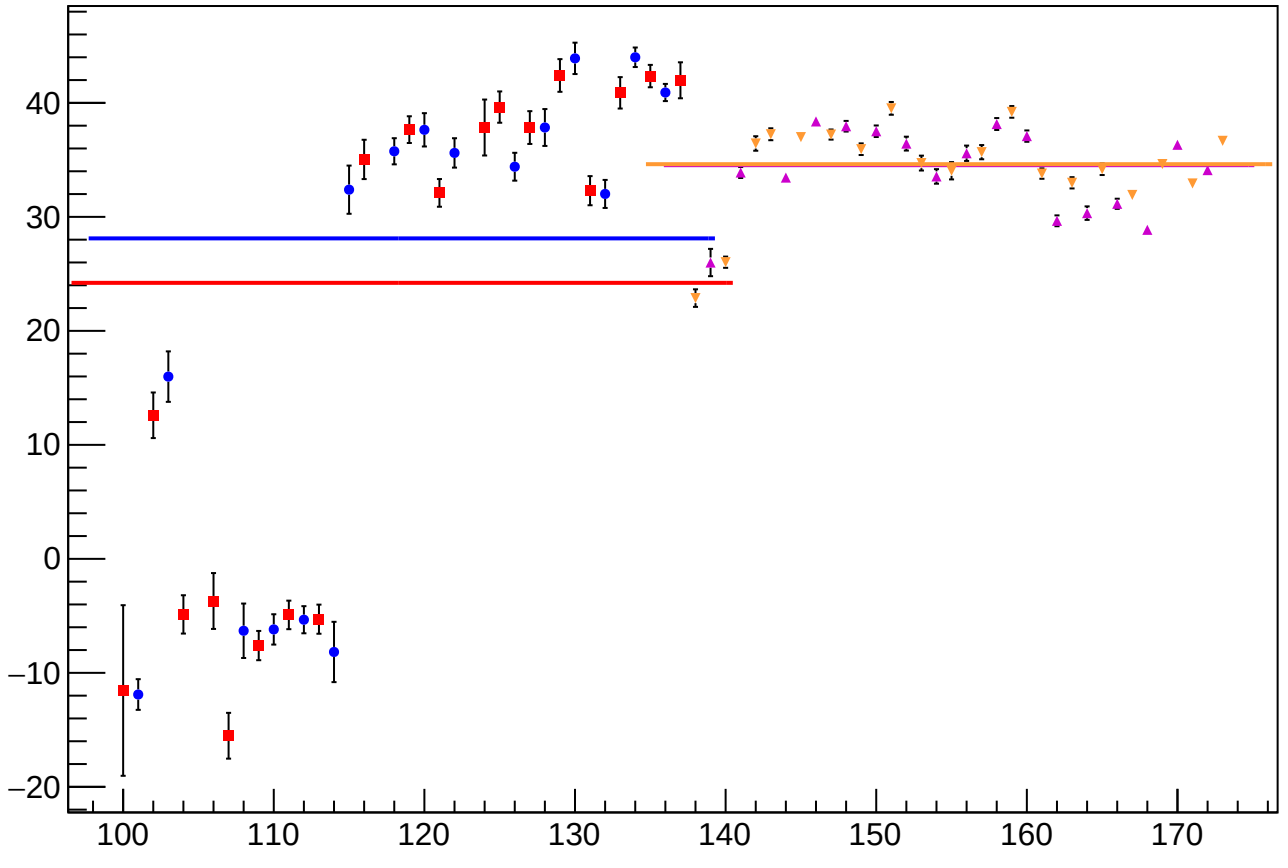
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: 0.320+/-0.095 χ^2/NDF:1472.1/32

Out: 0.454+/-0.093 χ^2/NDF:1872.7/37

All: 0.389+/-0.066 χ^2/NDF: 3345.8/70


reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
170
Right In: -66.176+/-0.304 χ²/NDF: 129.2/15
Left Out: -43.995+/-0.136 χ²/NDF:4075.2/18
Right Out: -66.526+/-0.312 χ²/NDF: 321.7/18
Left In: -43.283+/-0.140 χ²/NDF:4937.1/16
Left: -43.648+/-0.098 χ²/NDF: 9025.7/35
Right: -66.346+/-0.218 χ²/NDF: 451.5/34
In: -47.272+/-0.127 χ²/NDF:9739.4/32
Out: -47.590+/-0.125 χ²/NDF:8766.8/37
All: -47.433+/-0.089 χ²/NDF: 18509.4/70



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.621+/-0.112 χ^2/NDF:919.5/18

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 34.534+/-0.116 χ^2/NDF:759.8/16

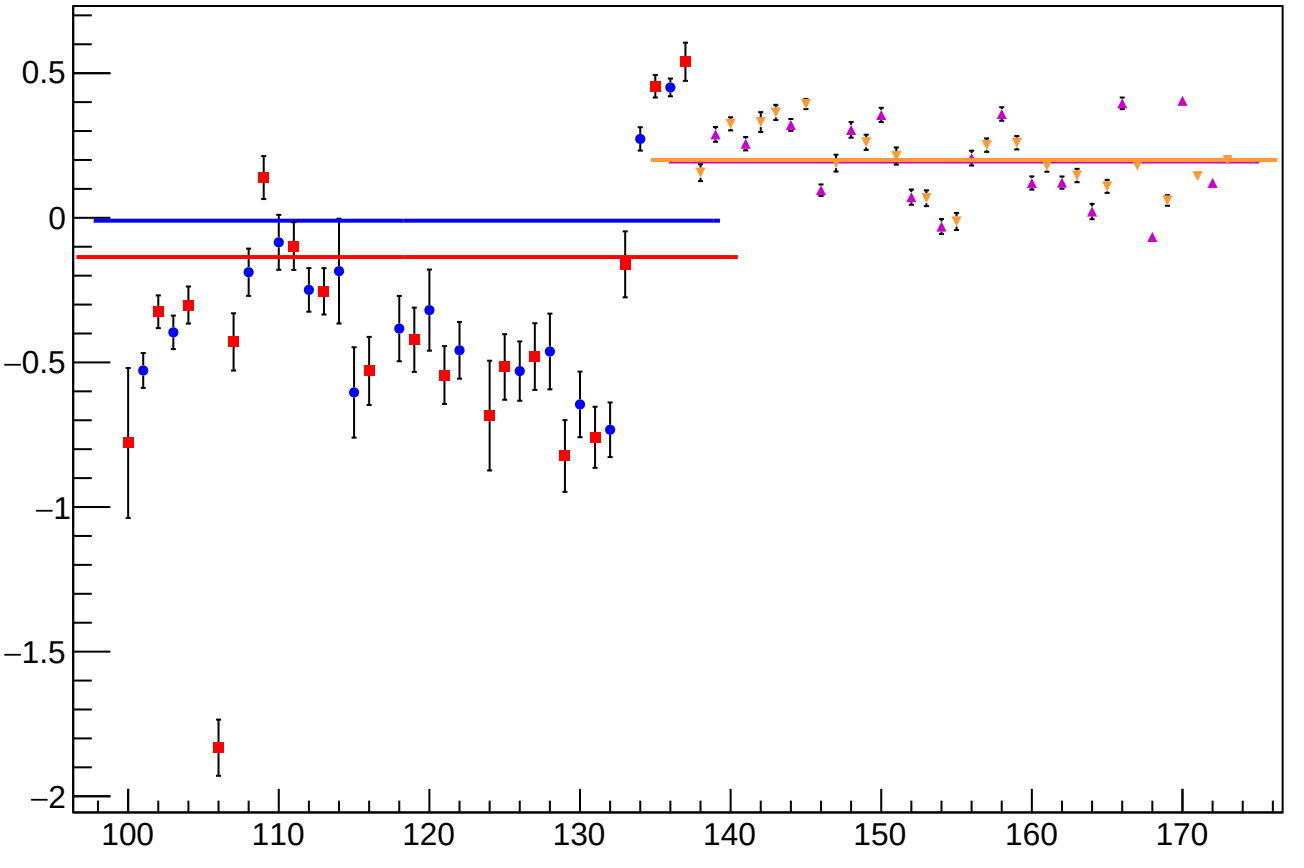
Left: 34.579+/-0.080 χ^2/NDF: 1679.6/35

Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 33.790+/-0.109 χ^2/NDF:4843.7/32

Out: 33.584+/-0.106 χ^2/NDF:5627.5/37

All: 33.684+/-0.076 χ^2/NDF: 10472.9/70



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.200+/-0.005 χ^2/NDF:394.6/18

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.195+/-0.005 χ^2/NDF:884.3/16

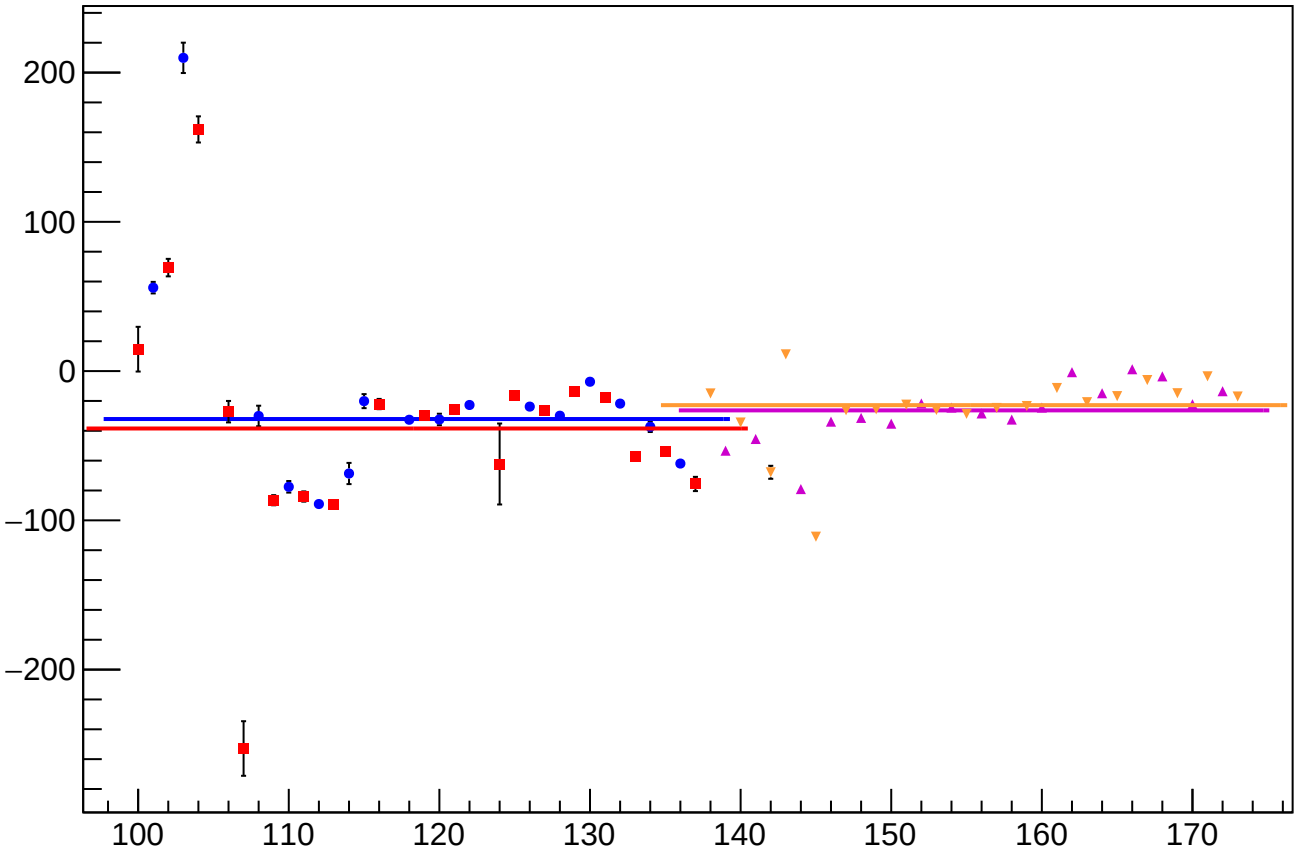
Left: 0.197+/-0.004 χ^2/NDF: 1279.5/35

Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.178+/-0.005 χ^2/NDF:1599.5/32

Out: 0.177+/-0.005 χ^2/NDF:1509.6/37

All: 0.177+/-0.003 χ^2/NDF: 3109.1/70



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -22.822+/-0.651 χ^2/NDF:1145.0/18

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -26.327+/-0.671 χ^2/NDF:840.5/16

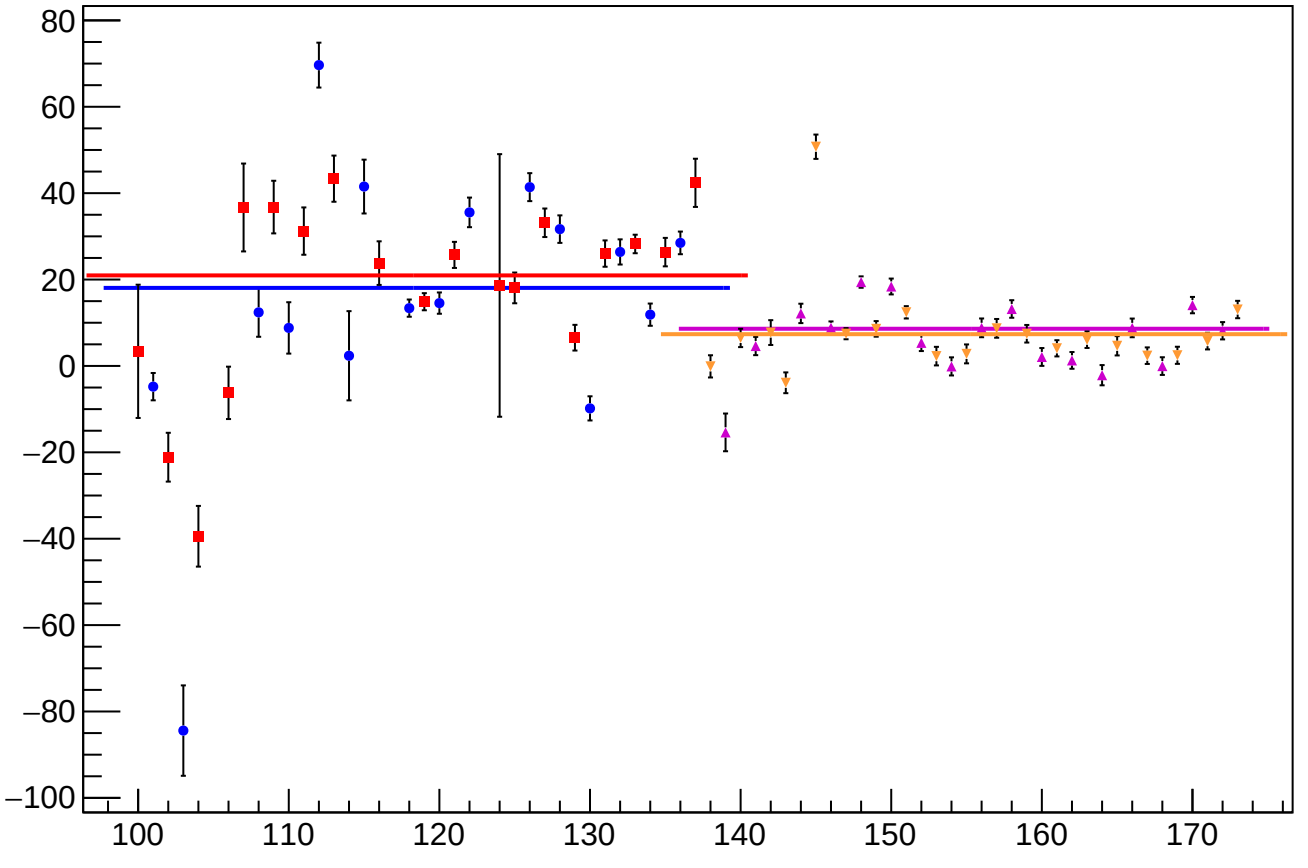
Left: -24.521+/-0.467 χ^2/NDF: 1999.6/35

Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -28.575+/-0.525 χ^2/NDF:2746.9/32

Out: -28.482+/-0.520 χ^2/NDF:3326.4/37

All: -28.529+/-0.370 χ^2/NDF: 6073.3/70



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 7.351+/-0.453 χ^2/NDF:317.8/18

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 8.609+/-0.475 χ^2/NDF:228.7/16

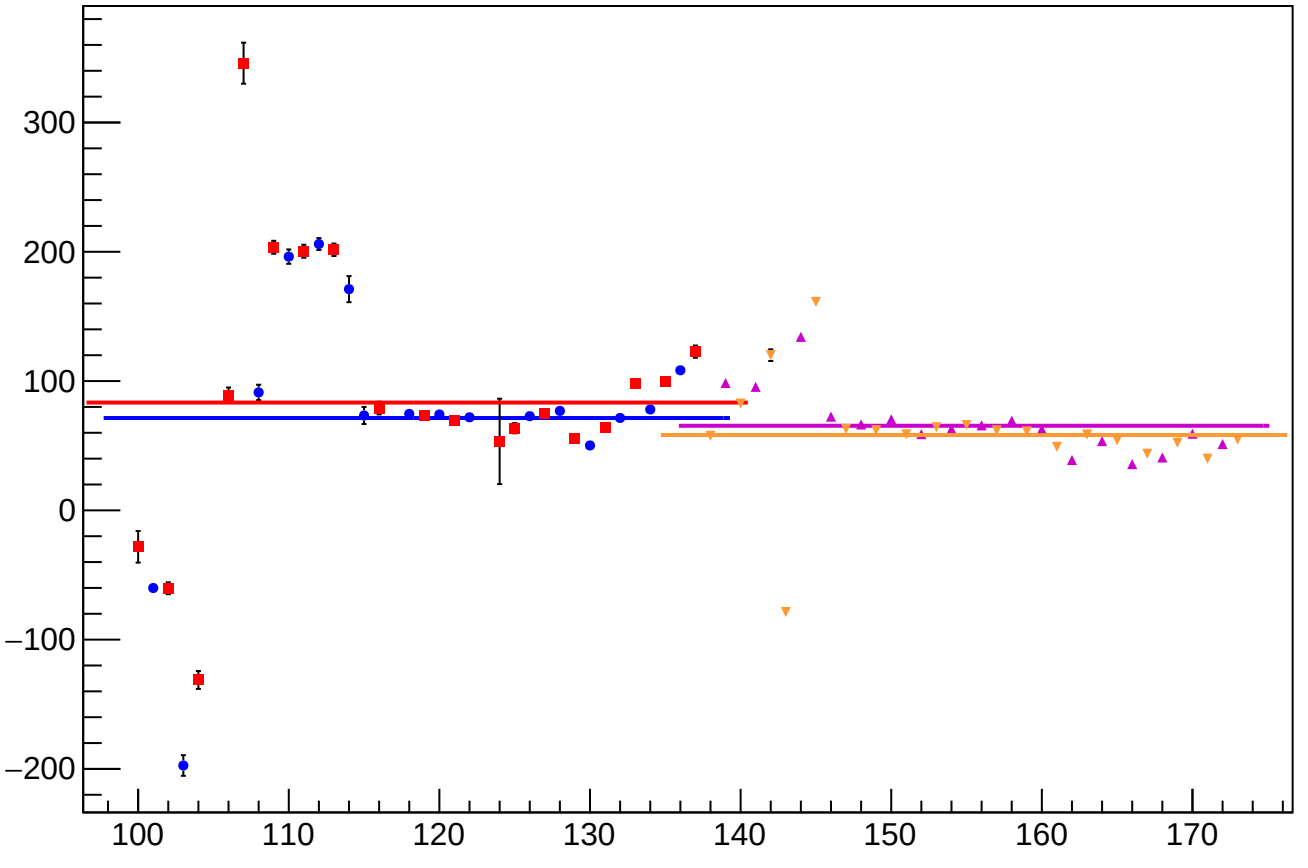
Left: 7.951+/-0.328 χ^2/NDF: 550.2/35

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 10.972+/-0.411 χ^2/NDF:827.5/32

Out: 10.263+/-0.402 χ^2/NDF:773.5/37

All: 10.609+/-0.287 χ^2/NDF: 1602.5/70



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 58.268+/-0.639 χ^2/NDF:3028.3/18

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 65.428+/-0.655 χ^2/NDF:1169.6/16

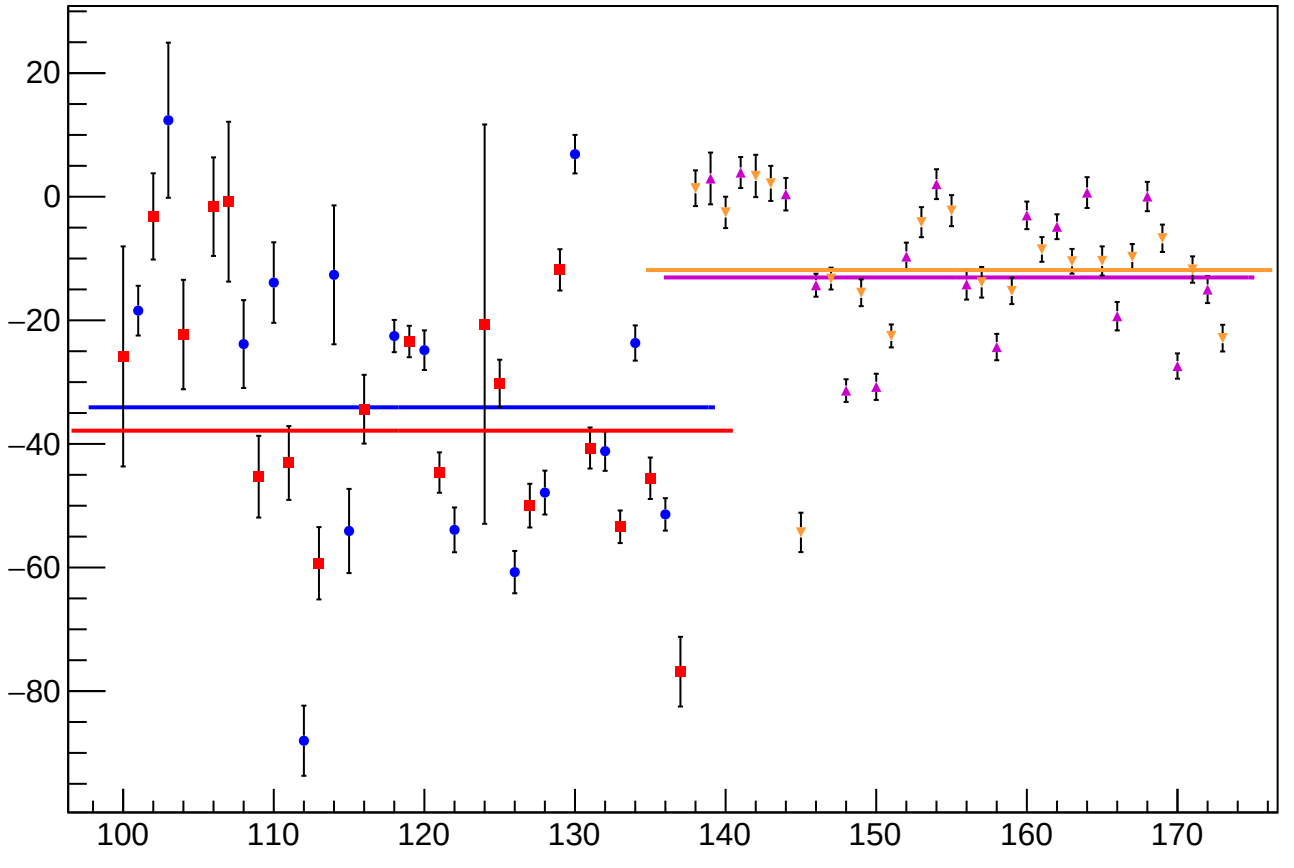
Left: 61.756+/-0.457 χ^2/NDF: 4259.2/35

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 67.413+/-0.536 χ^2/NDF:6016.9/32

Out: 65.699+/-0.536 χ^2/NDF:7783.3/37

All: 66.556+/-0.379 χ^2/NDF: 13805.4/70



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.865+/-0.523 χ^2/NDF:356.5/18

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -13.063+/-0.547 χ^2/NDF:480.7/16

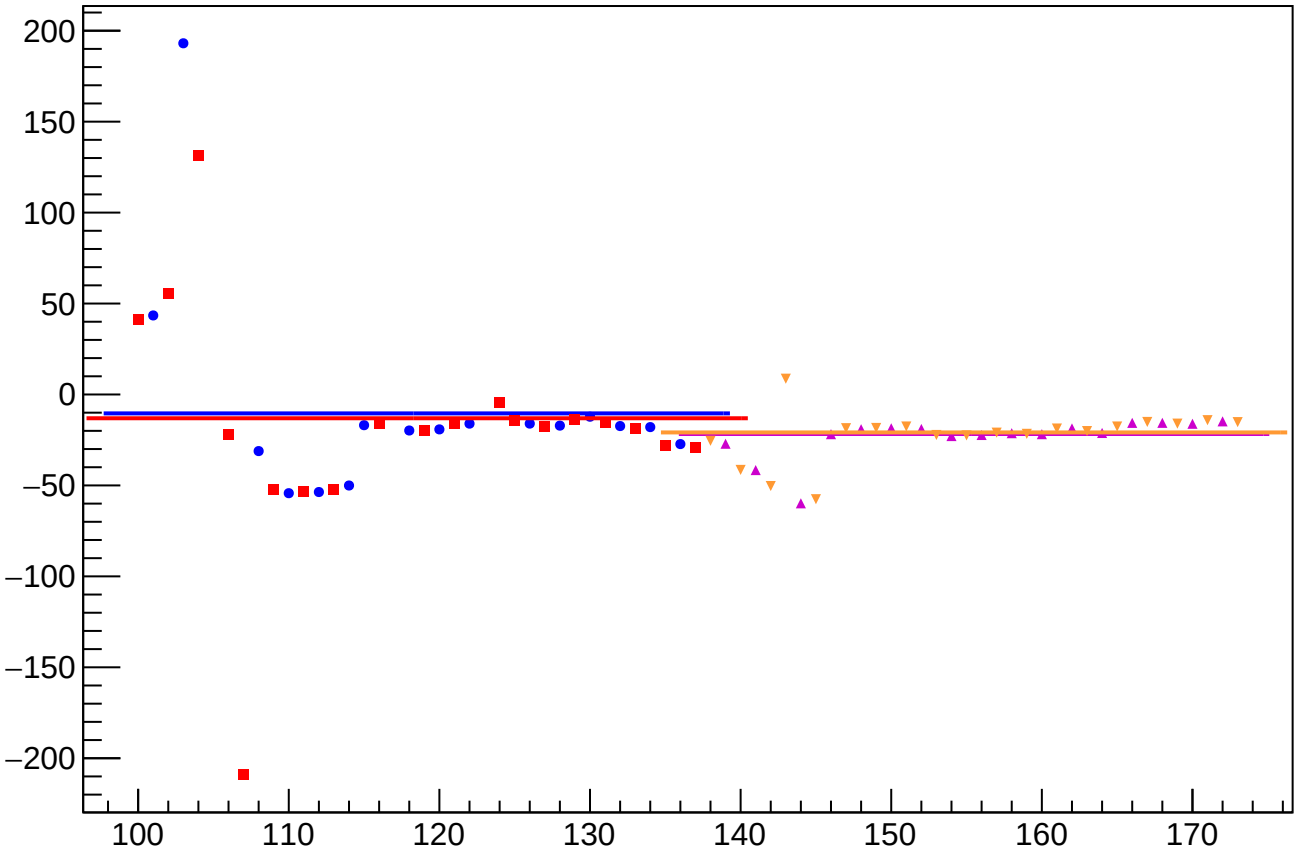
Left: -12.437+/-0.378 χ^2/NDF: 839.7/35

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -18.356+/-0.473 χ^2/NDF:1364.1/32

Out: -17.494+/-0.463 χ^2/NDF:1166.9/37

All: -17.916+/-0.331 χ^2/NDF: 2532.7/70



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -20.863+/-0.024 χ^2/NDF:205488.7/18

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -21.728+/-0.024 χ^2/NDF:126120.0/16

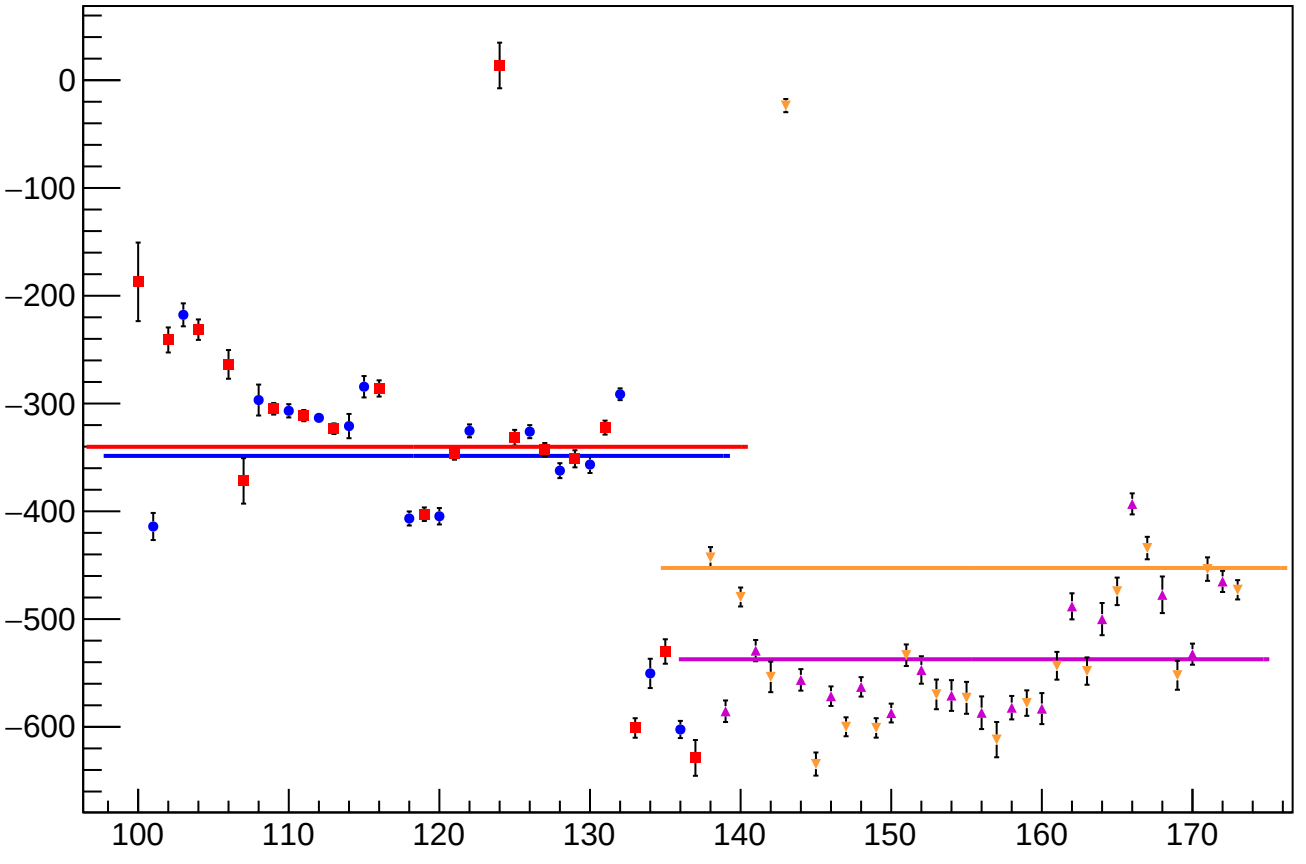
Left: -21.286+/-0.017 χ^2/NDF: 332261.4/35

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -19.990+/-0.022 χ^2/NDF:682102.5/32

Out: -19.890+/-0.022 χ^2/NDF:668638.7/37

All: -19.939+/-0.016 χ^2/NDF: 1350751.3/70



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -452.574+/-2.398 χ^2/NDF:6396.8/18

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -537.263+/-2.647 χ^2/NDF:434.4/16

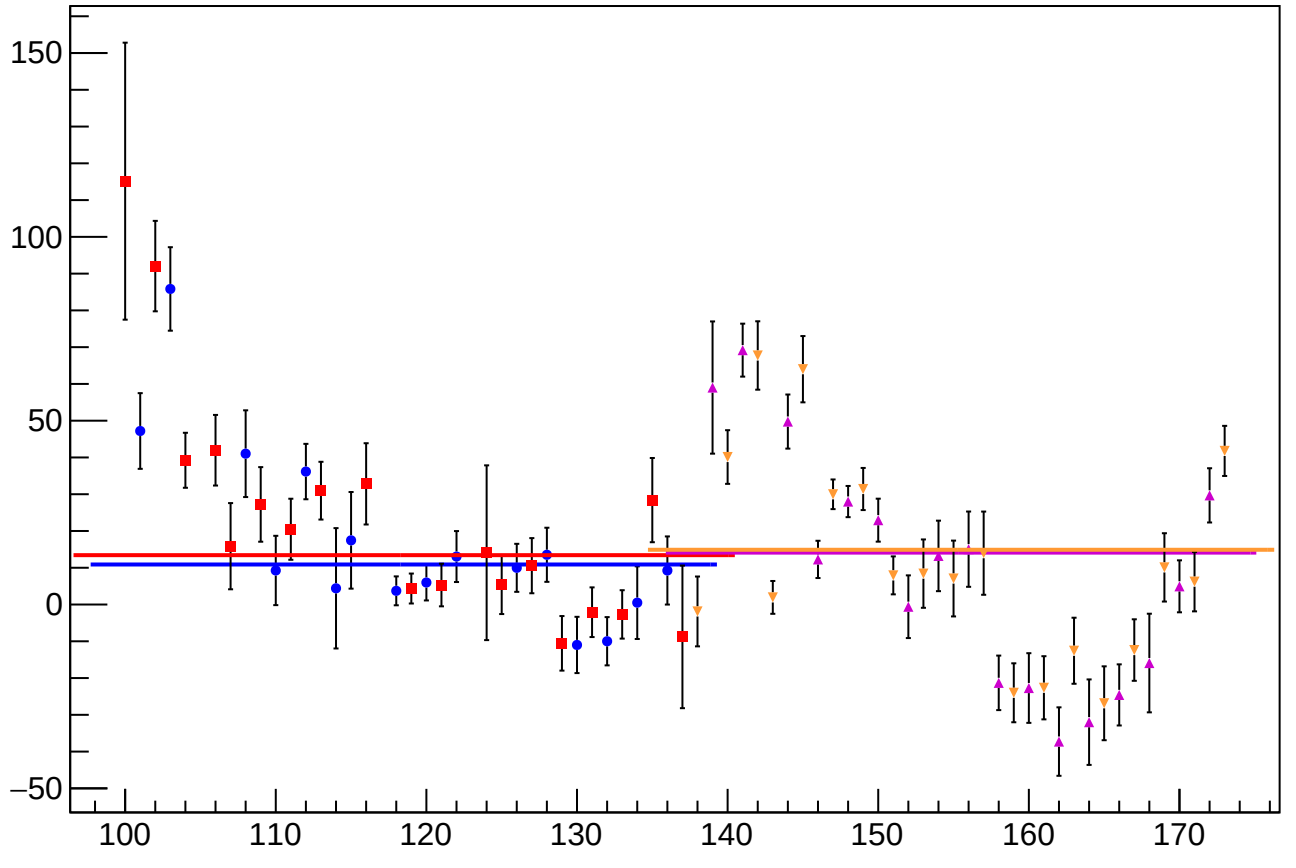
Left: -490.749+/-1.777 χ^2/NDF: 7393.4/35

Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -409.367+/-1.502 χ^2/NDF:5737.1/32

Out: -379.489+/-1.419 χ^2/NDF:10022.9/37

All: -393.572+/-1.031 χ^2/NDF: 15969.1/70



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 14.891+/-1.630 χ^2/NDF:207.5/18

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 14.120+/-1.809 χ^2/NDF:221.3/16

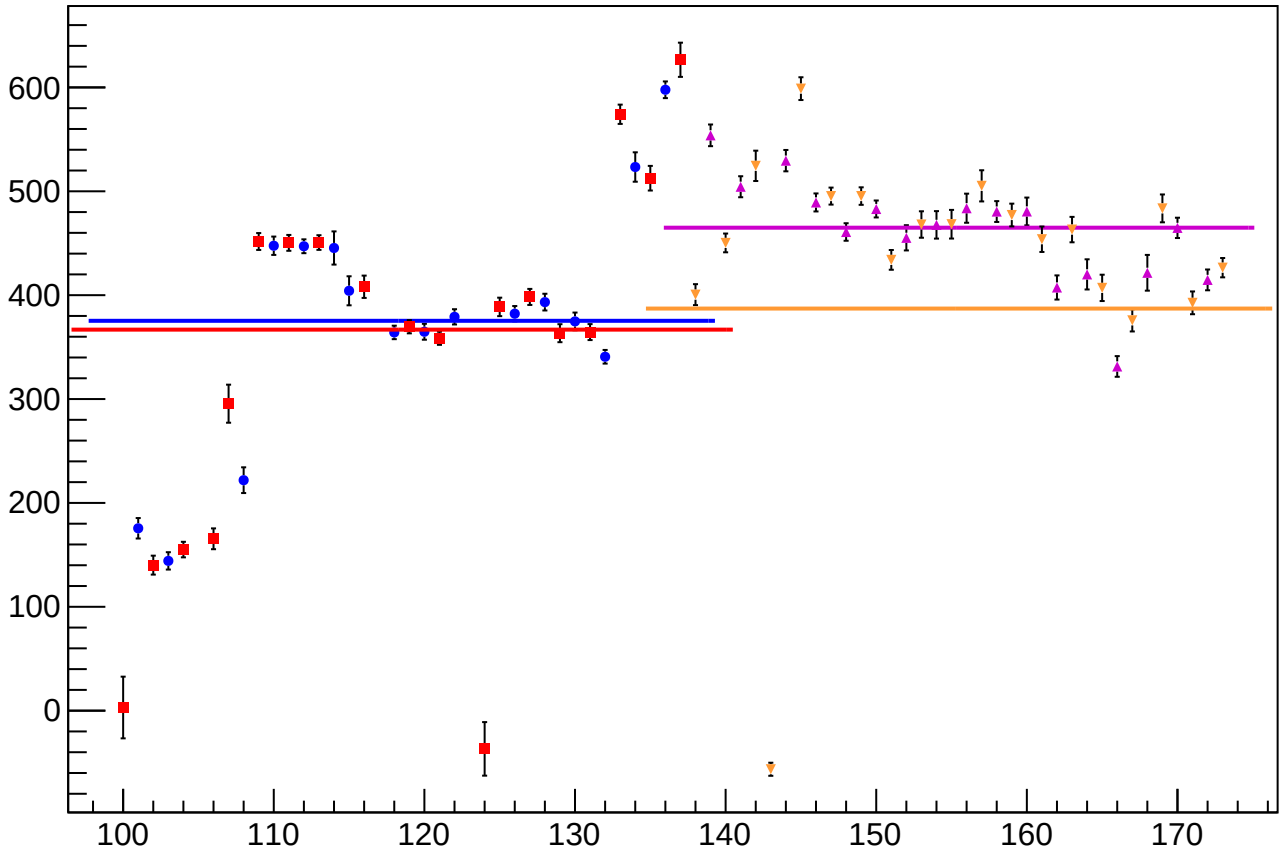
Left: 14.546+/-1.211 χ^2/NDF: 428.9/35

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 12.533+/-1.291 χ^2/NDF:321.1/32

Out: 14.253+/-1.224 χ^2/NDF:320.3/37

All: 13.439+/-0.888 χ^2/NDF: 642.3/70



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 387.109+/-2.368 χ^2/NDF:6184.5/18

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 464.961+/-2.582 χ^2/NDF:392.4/16

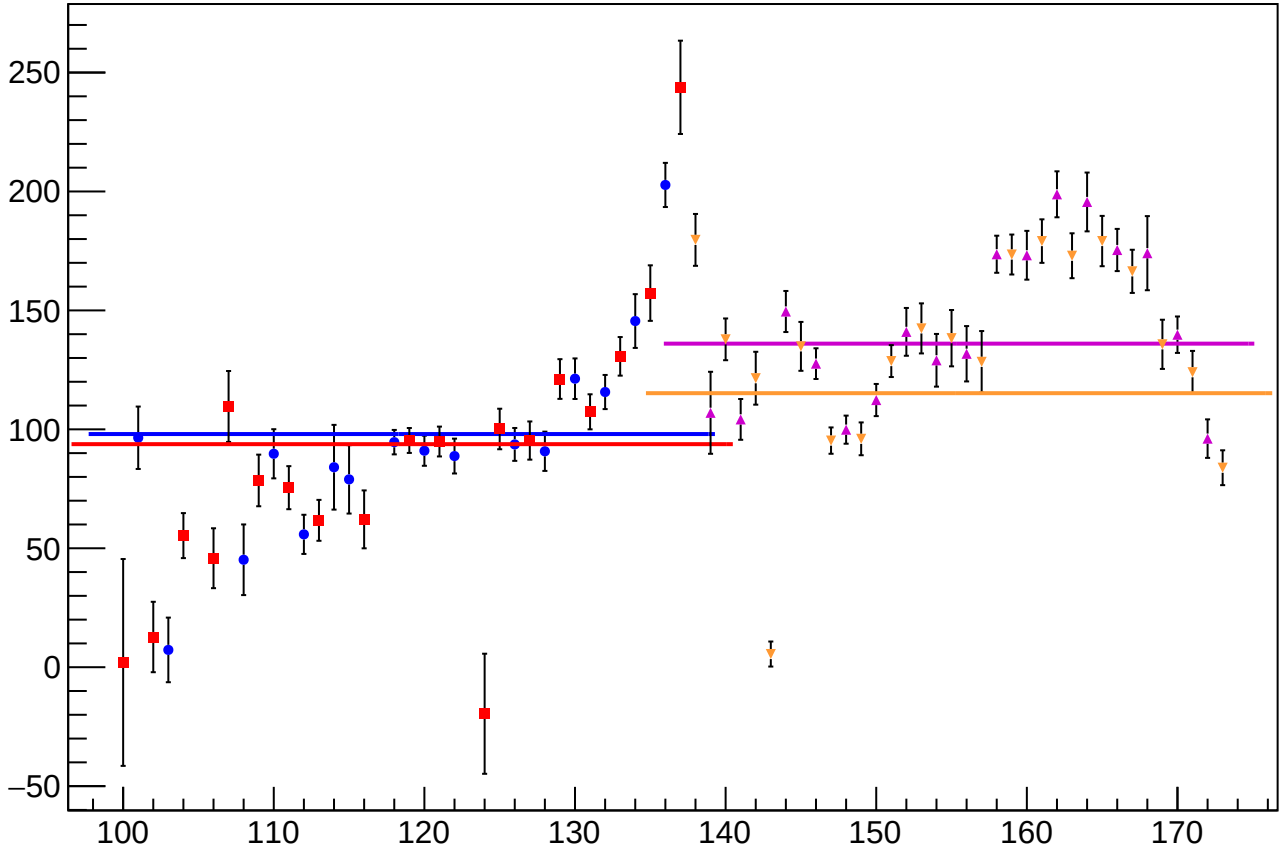
Left: 422.678+/-1.745 χ^2/NDF: 7070.6/35

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 411.066+/-1.630 χ^2/NDF:3566.5/32

Out: 375.514+/-1.550 χ^2/NDF:9767.5/37

All: 392.387+/-1.123 χ^2/NDF: 13583.8/70



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 115.201+/-1.918 χ^2/NDF:742.2/18

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 136.027+/-2.119 χ^2/NDF:223.4/16

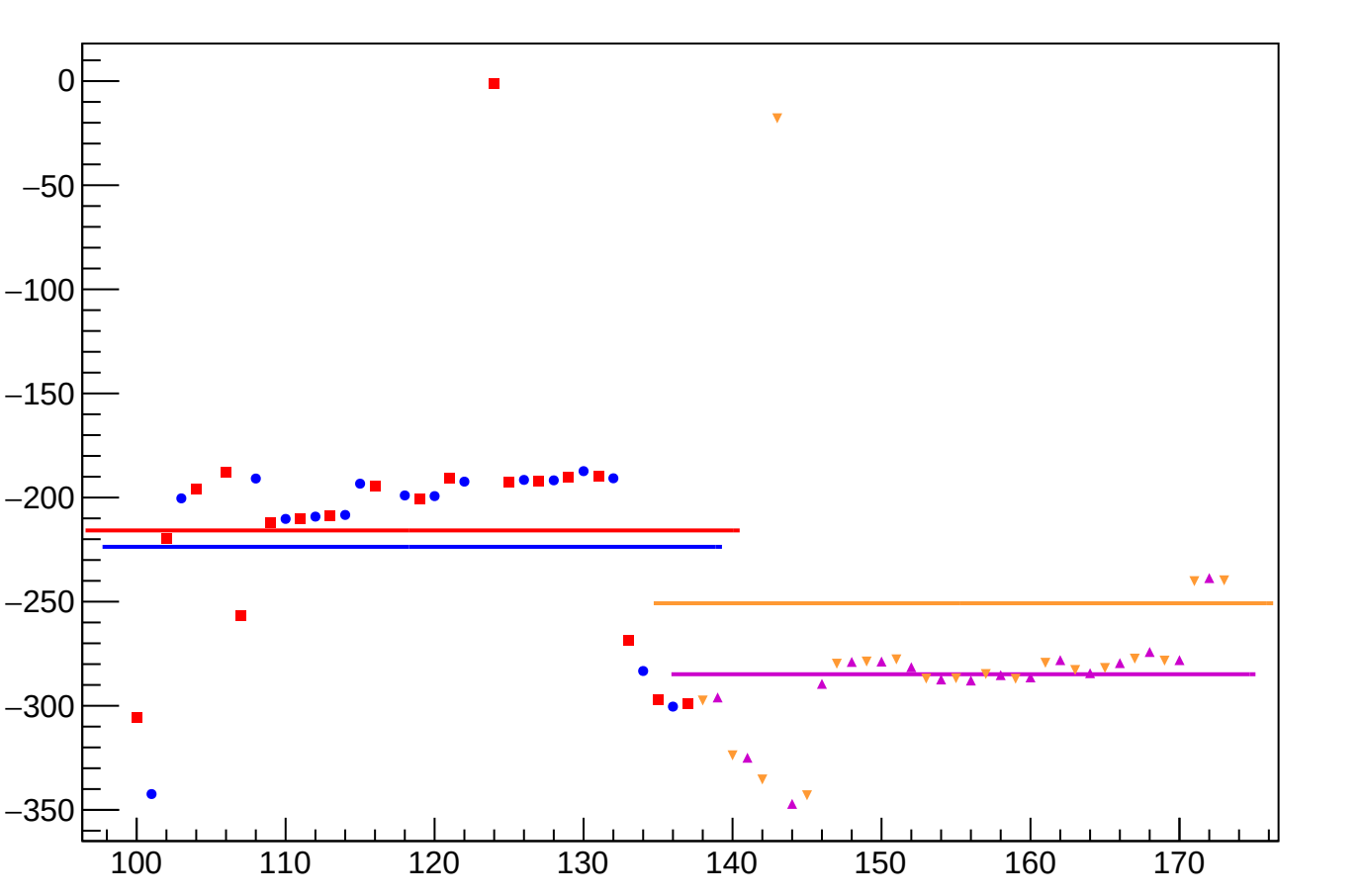
Left: 124.578+/-1.422 χ^2/NDF: 1018.6/35

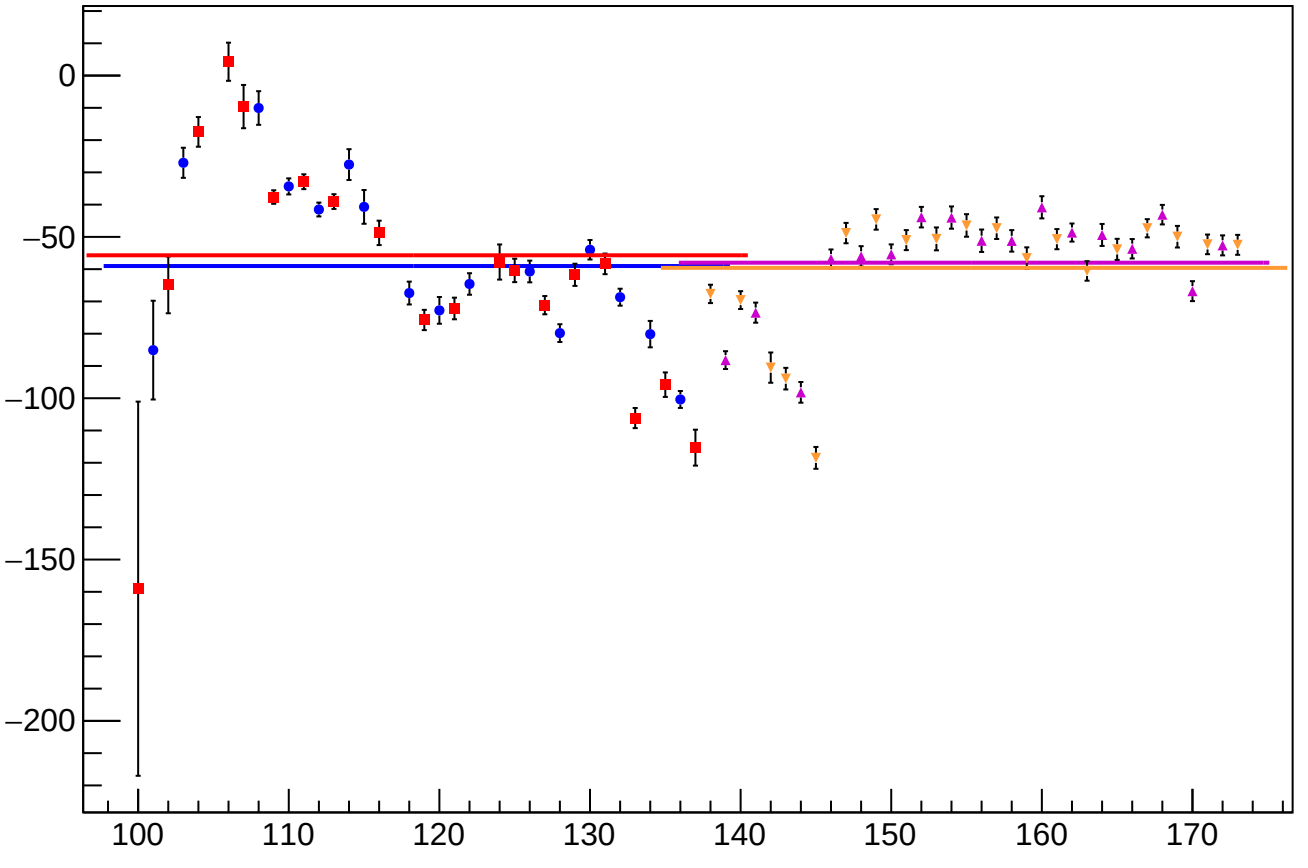
Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 117.249+/-1.507 χ^2/NDF:631.8/32

Out: 105.649+/-1.428 χ^2/NDF:1035.0/37

All: 111.135+/-1.036 χ^2/NDF: 1698.0/70


reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
−250
−300
−350
100
110
120
130
140
150
160
170
Right In: -223.666+/-0.138 χ²/NDF: 121528.3/15
Left Out: -250.766+/-0.091 χ²/NDF:973652.0/18
Right Out: -215.797+/-0.134 χ²/NDF: 81516.6/18
Left In: -284.858+/-0.097 χ²/NDF:48705.4/16
Left: -266.623+/-0.066 χ²/NDF: 1087805.3/35
Right: -219.617+/-0.096 χ²/NDF: 204711.3/34
In: -264.550+/-0.080 χ²/NDF:301057.1/32
Out: -239.781+/-0.075 χ²/NDF:1101670.0/37
All: -251.464+/-0.055 χ²/NDF: 1453801.1/70



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -59.599+/-0.735 χ^2/NDF:597.9/18

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -57.997+/-0.760 χ^2/NDF:426.5/16

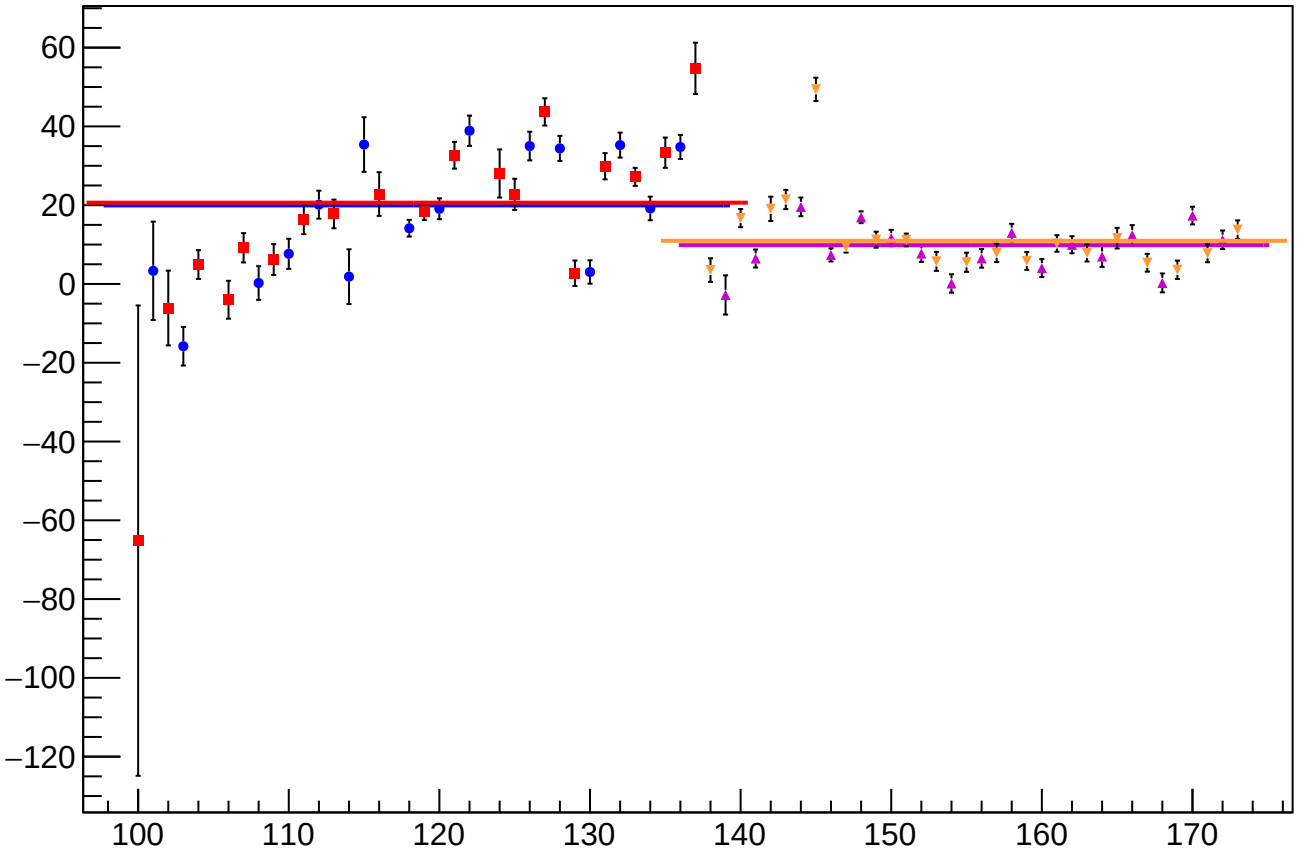
Left: -58.825+/-0.528 χ^2/NDF: 1026.7/35

Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -58.468+/-0.560 χ^2/NDF:1154.7/32

Out: -57.791+/-0.538 χ^2/NDF:1652.1/37

All: -58.116+/-0.388 χ^2/NDF: 2807.5/70



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 10.966+/-0.511 χ^2/NDF:245.1/18

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 9.852+/-0.537 χ^2/NDF:109.4/16

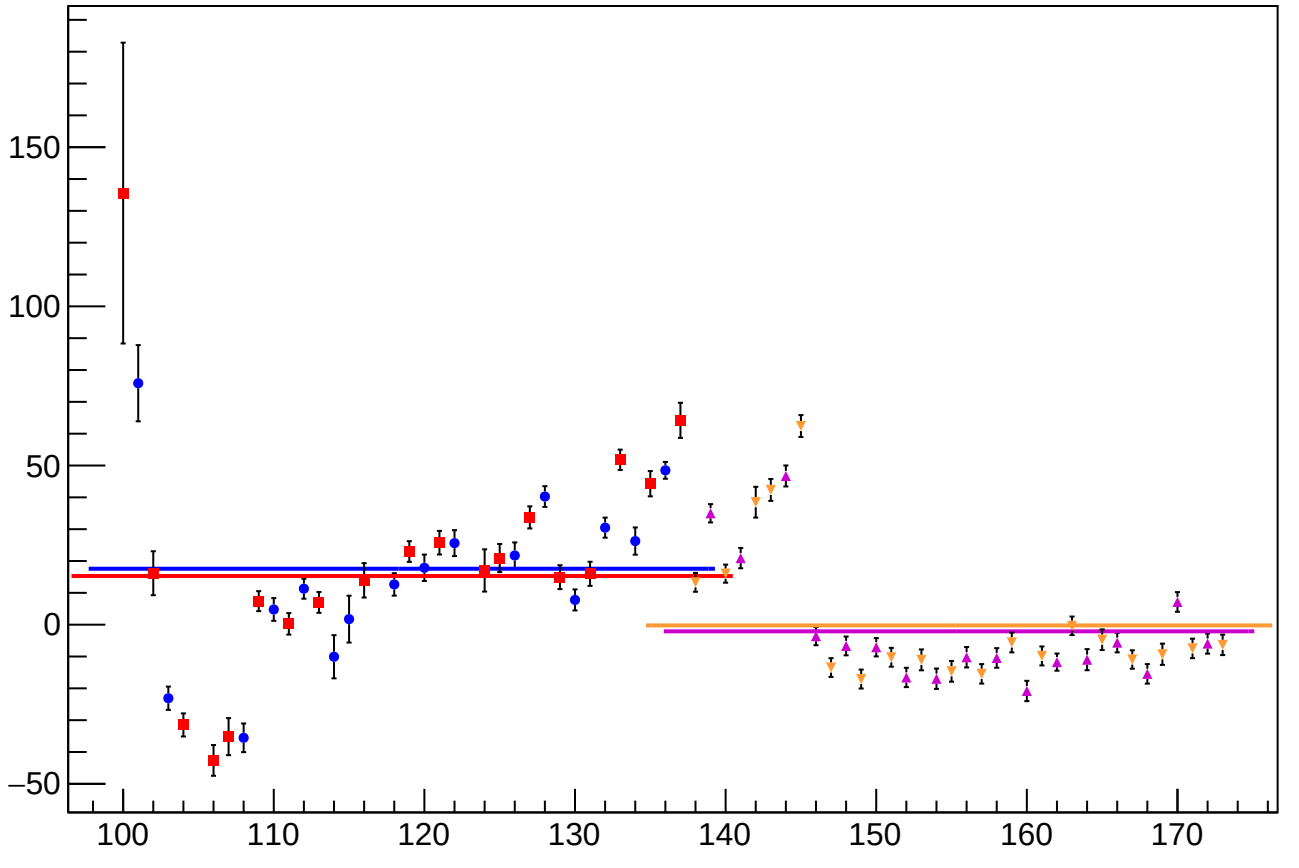
Left: 10.436+/-0.370 χ^2/NDF: 356.7/35

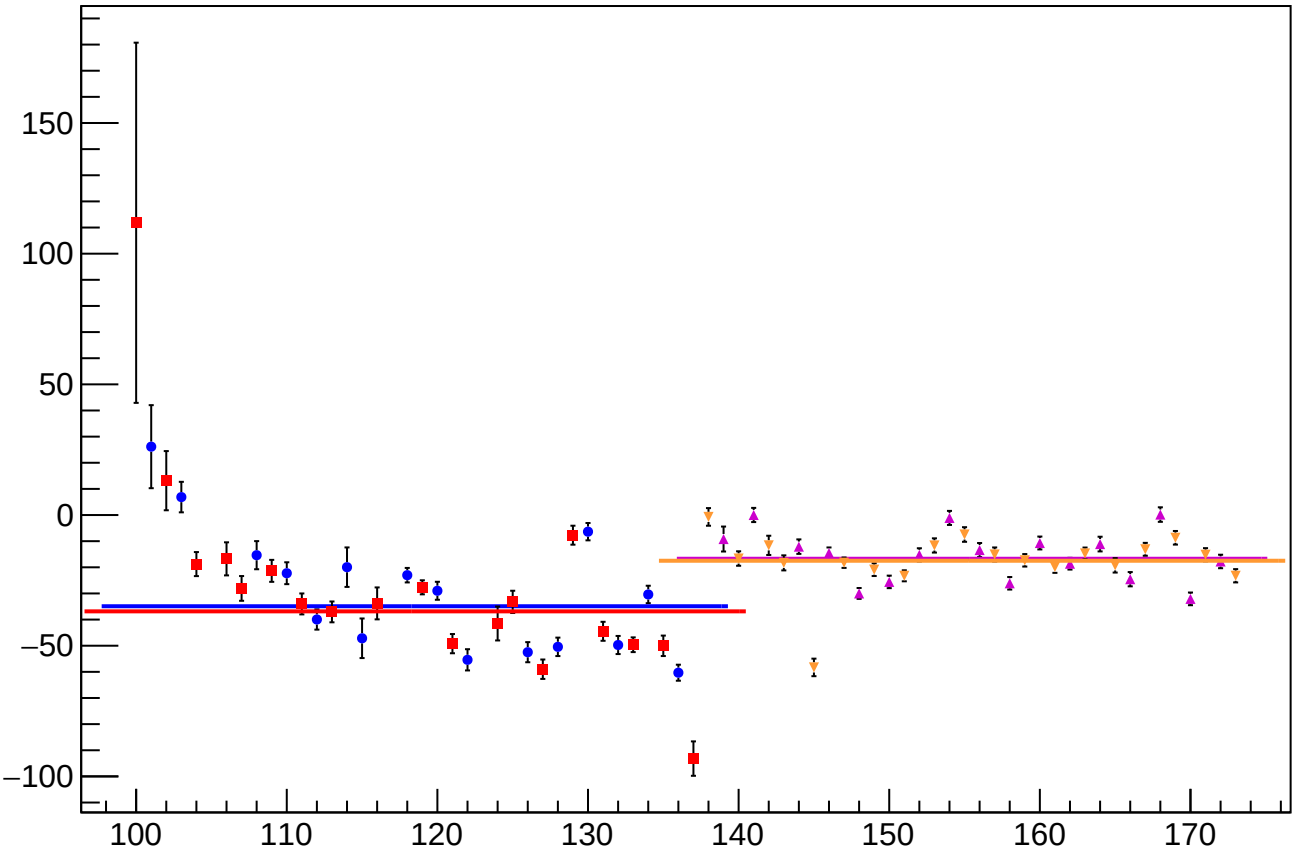
Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

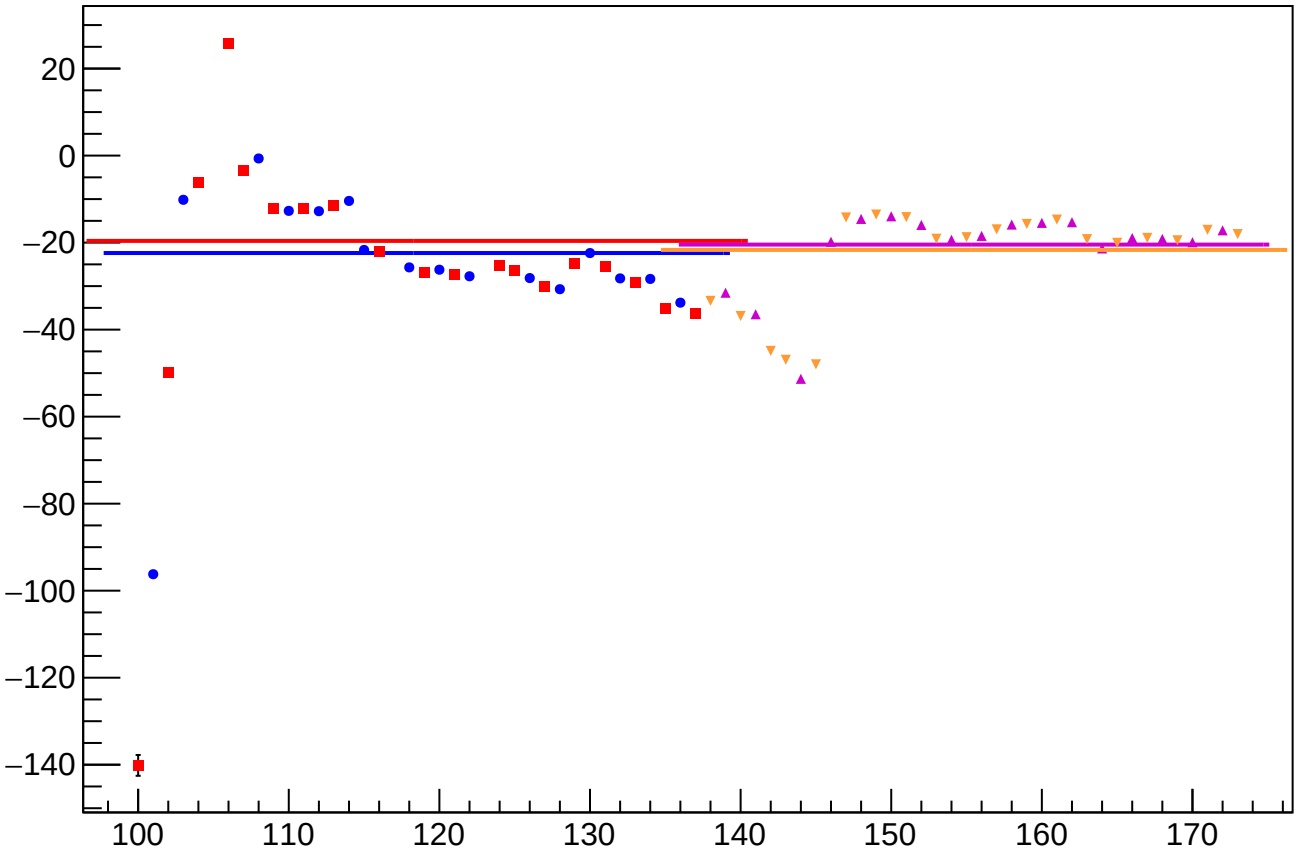
In: 12.647+/-0.456 χ^2/NDF:454.5/32

Out: 13.562+/-0.437 χ^2/NDF:566.1/37

All: 13.124+/-0.316 χ^2/NDF: 1022.6/70


reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected
150
100
50
0
−50
100
110
120
130
140
150
160
170
Right In: 17.574+/-0.957 χ²/NDF: 546.2/15
Left Out: -0.231+/-0.720 χ²/NDF:767.3/18
Right Out: 15.283+/-0.934 χ²/NDF: 730.0/18
Left In: -2.090+/-0.741 χ²/NDF:585.9/16
Left: -1.134+/-0.516 χ²/NDF: 1356.4/35
Right: 16.401+/-0.668 χ²/NDF: 1279.2/34
In: 5.281+/-0.586 χ²/NDF:1396.2/32
Out: 5.555+/-0.570 χ²/NDF:1670.4/37
All: 5.422+/-0.409 χ²/NDF: 3066.7/70


reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
Right In: -34.899+/-0.990 χ²/NDF: 346.6/15
Left Out: -17.490+/-0.590 χ²/NDF:226.9/18
Right Out: -36.853+/-0.970 χ²/NDF: 301.4/18
Left In: -16.728+/-0.618 χ²/NDF:245.9/16
Left: -17.126+/-0.427 χ²/NDF: 473.6/35
Right: -35.897+/-0.693 χ²/NDF: 650.0/34
In: -21.824+/-0.524 χ²/NDF:834.8/32
Out: -22.722+/-0.504 χ²/NDF:819.4/37
All: -22.291+/-0.363 χ²/NDF: 1655.8/70



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -21.682+/-0.027 χ^2/NDF:134888.7/18

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -20.456+/-0.027 χ^2/NDF:85910.2/16

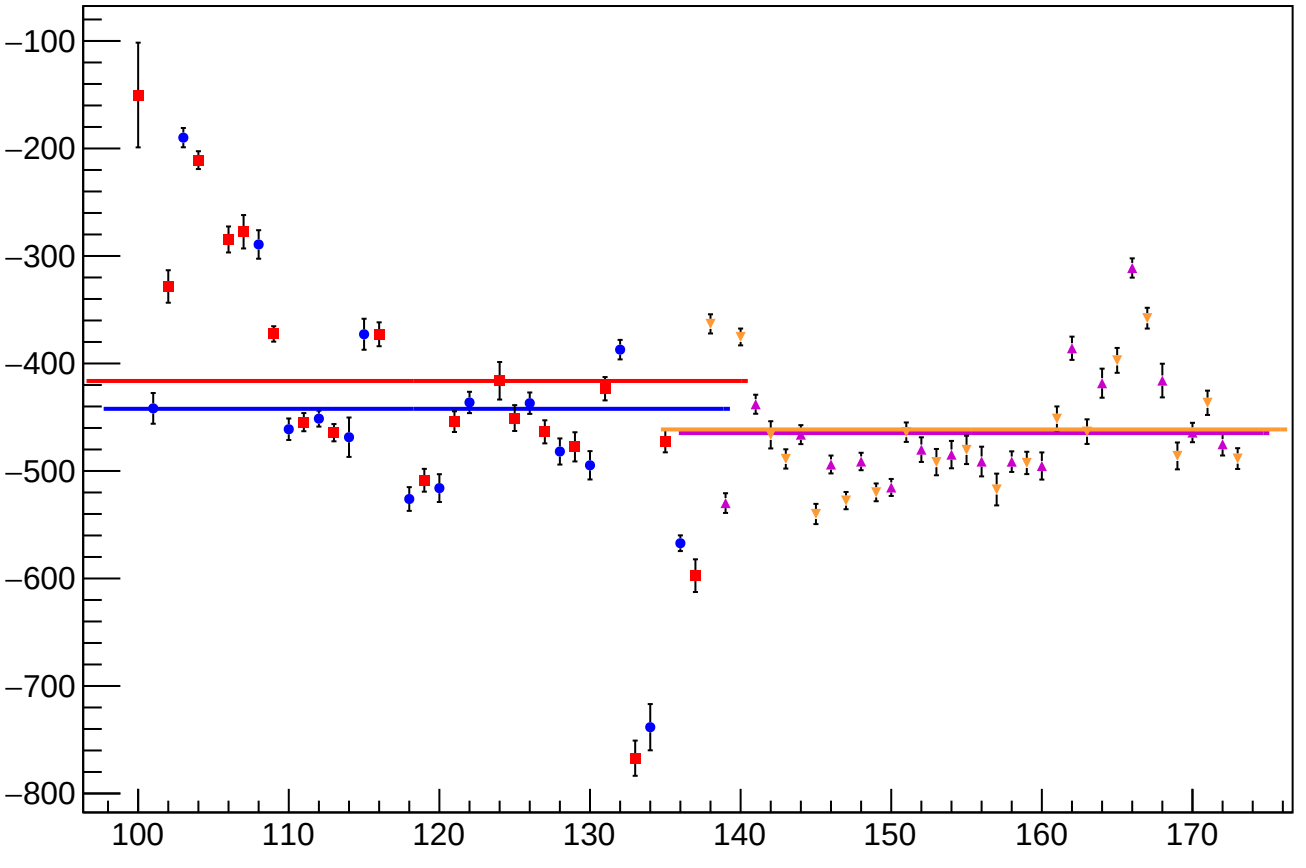
Left: -21.083+/-0.019 χ^2/NDF: 221825.1/35

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -20.806+/-0.025 χ^2/NDF:133335.7/32

Out: -21.332+/-0.024 χ^2/NDF:219768.9/37

All: -21.073+/-0.017 χ^2/NDF: 353333.7/70



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -461.352+/-2.320 χ^2/NDF:633.9/18

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -464.736+/-2.417 χ^2/NDF:513.3/16

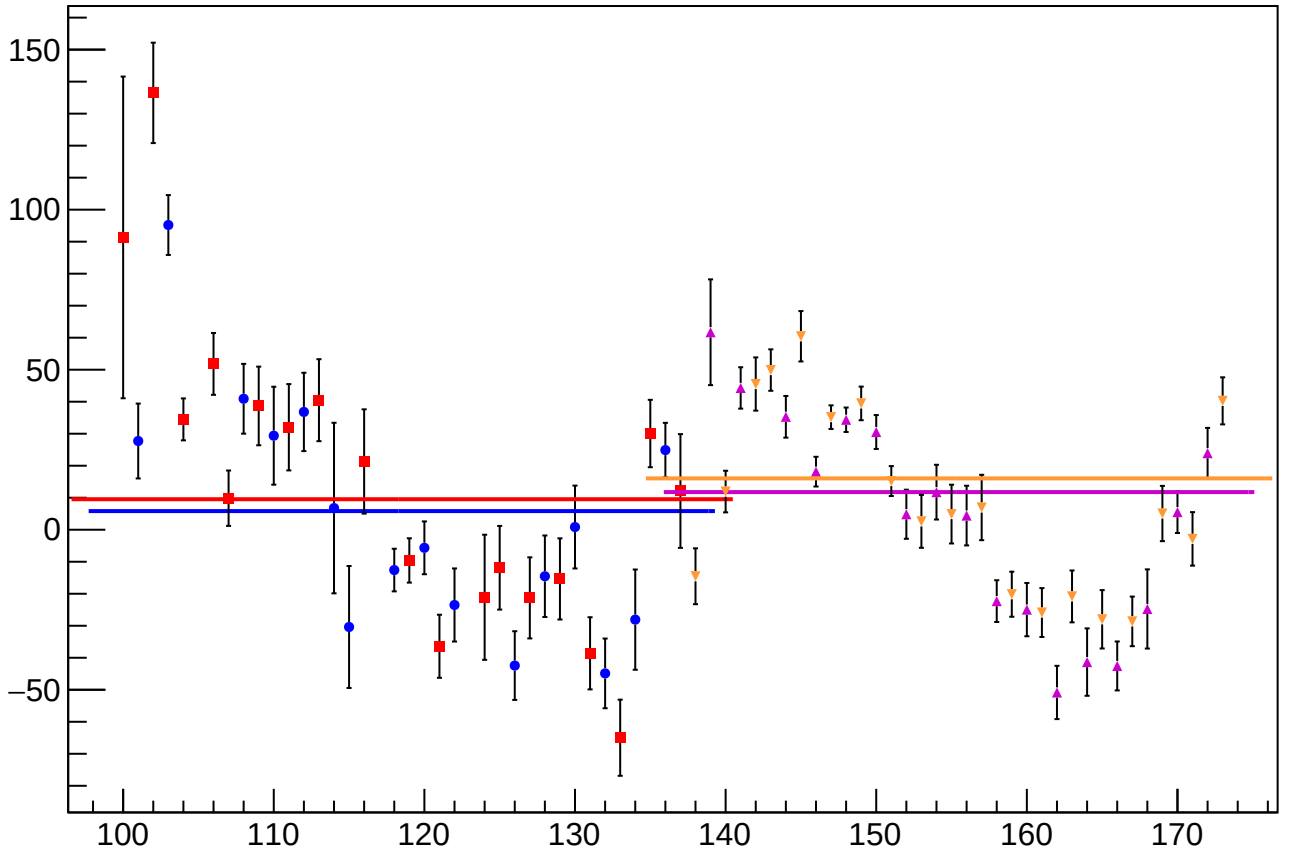
Left: -462.974+/-1.674 χ^2/NDF: 1148.2/35

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -454.625+/-1.795 χ^2/NDF:2141.5/32

Out: -440.691+/-1.707 χ^2/NDF:2560.8/37

All: -447.308+/-1.237 χ^2/NDF: 4733.9/70



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 16.041+/-1.561 χ^2/NDF:287.5/18

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 11.760+/-1.647 χ^2/NDF:289.7/16

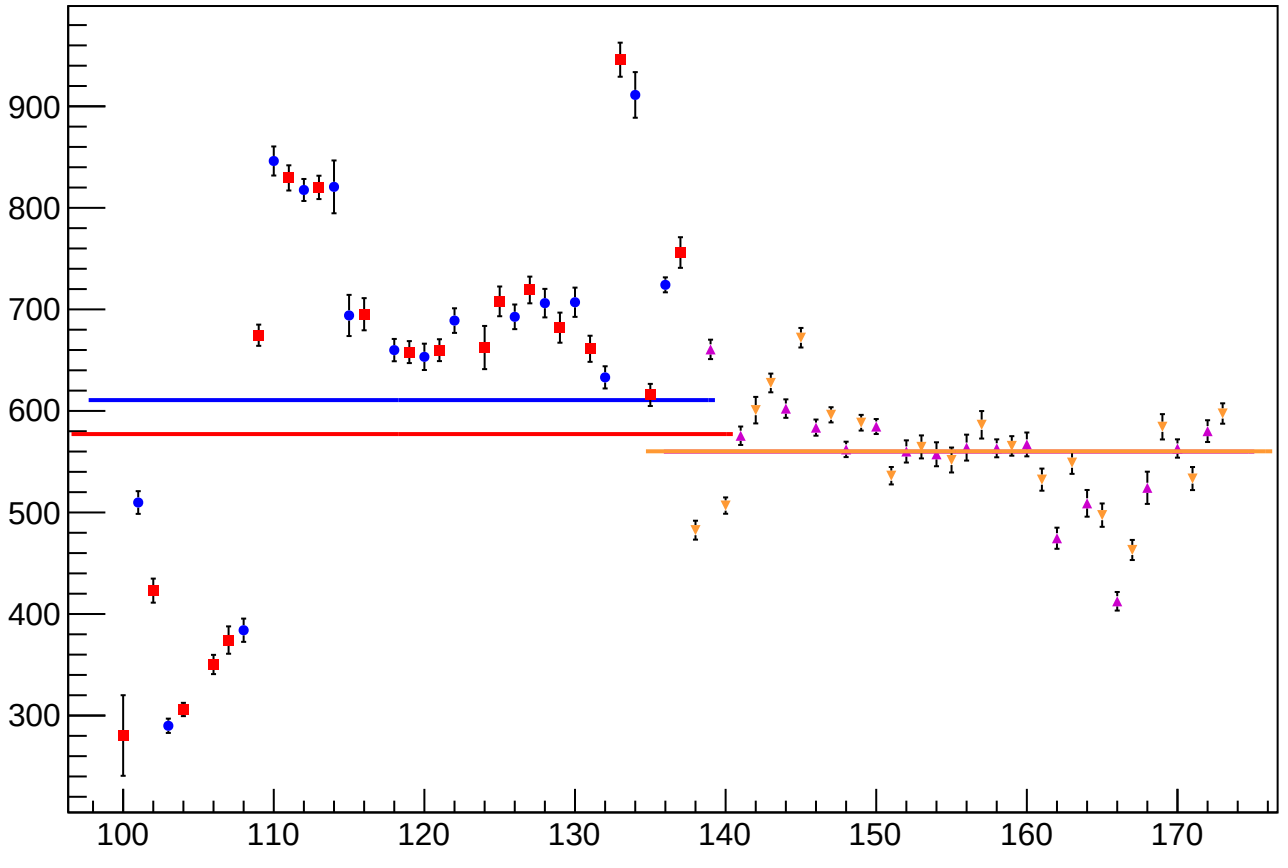
Left: 14.015+/-1.133 χ^2/NDF: 580.7/35

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 10.175+/-1.410 χ^2/NDF:481.3/32

Out: 14.274+/-1.332 χ^2/NDF:514.4/37

All: 12.340+/-0.968 χ^2/NDF: 1000.1/70



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 560.237+/-2.278 χ^2/NDF:517.1/18

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 559.914+/-2.355 χ^2/NDF:506.6/16

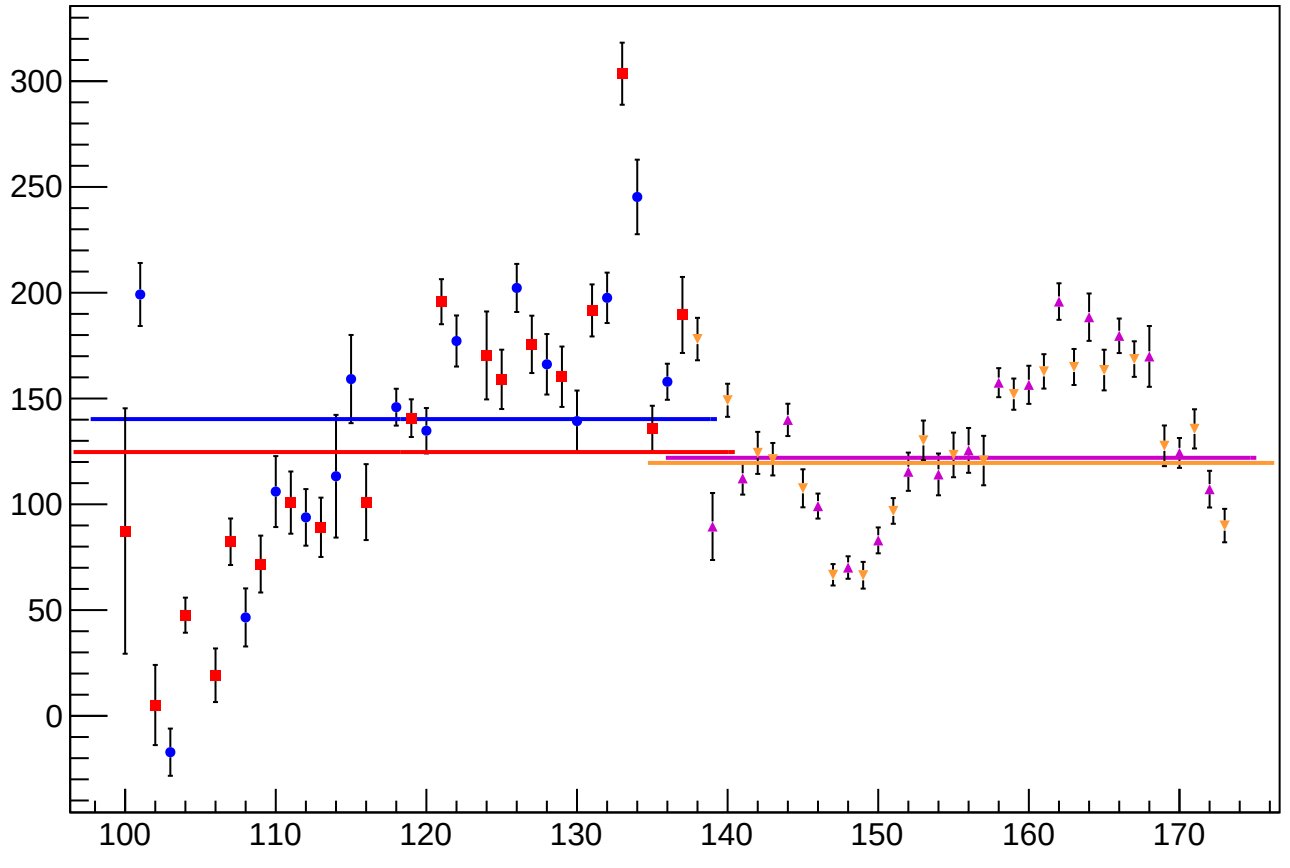
Left: 560.081+/-1.637 χ^2/NDF: 1023.6/35

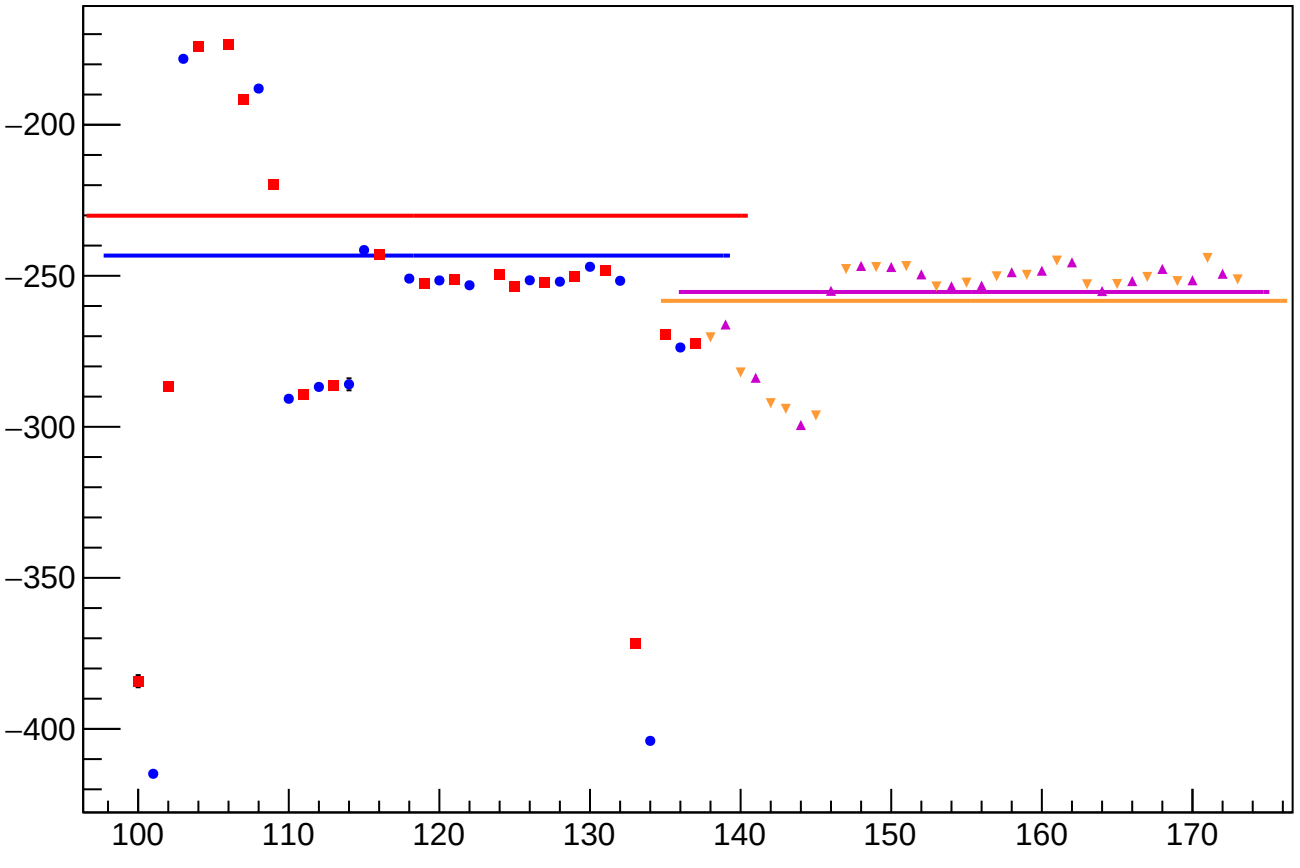
Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 580.144+/-1.826 χ^2/NDF:4584.3/32

Out: 567.126+/-1.755 χ^2/NDF:5339.9/37

All: 573.379+/-1.266 χ^2/NDF: 9950.6/70


reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected
300
250
200
150
100
50
0
100
110
120
130
140
150
160
170
Right In: 140.278+/-3.151 χ2/NDF: 385.4/15
Left Out: 119.557+/-1.840 χ2/NDF:394.4/18
Right Out: 124.697+/-2.979 χ2/NDF: 508.5/18
Left In: 121.981+/-1.931 χ2/NDF:377.3/16
Left: 120.711+/-1.332 χ2/NDF: 772.6/35
Right: 132.049+/-2.165 χ2/NDF: 906.8/34
In: 126.976+/-1.646 χ2/NDF:787.2/32
Out: 120.976+/-1.565 χ2/NDF:905.1/37
All: 123.824+/-1.134 χ2/NDF: 1699.3/70



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -258.293+/-0.087 χ^2/NDF:36654.8/18

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -255.353+/-0.089 χ^2/NDF:22437.3/16

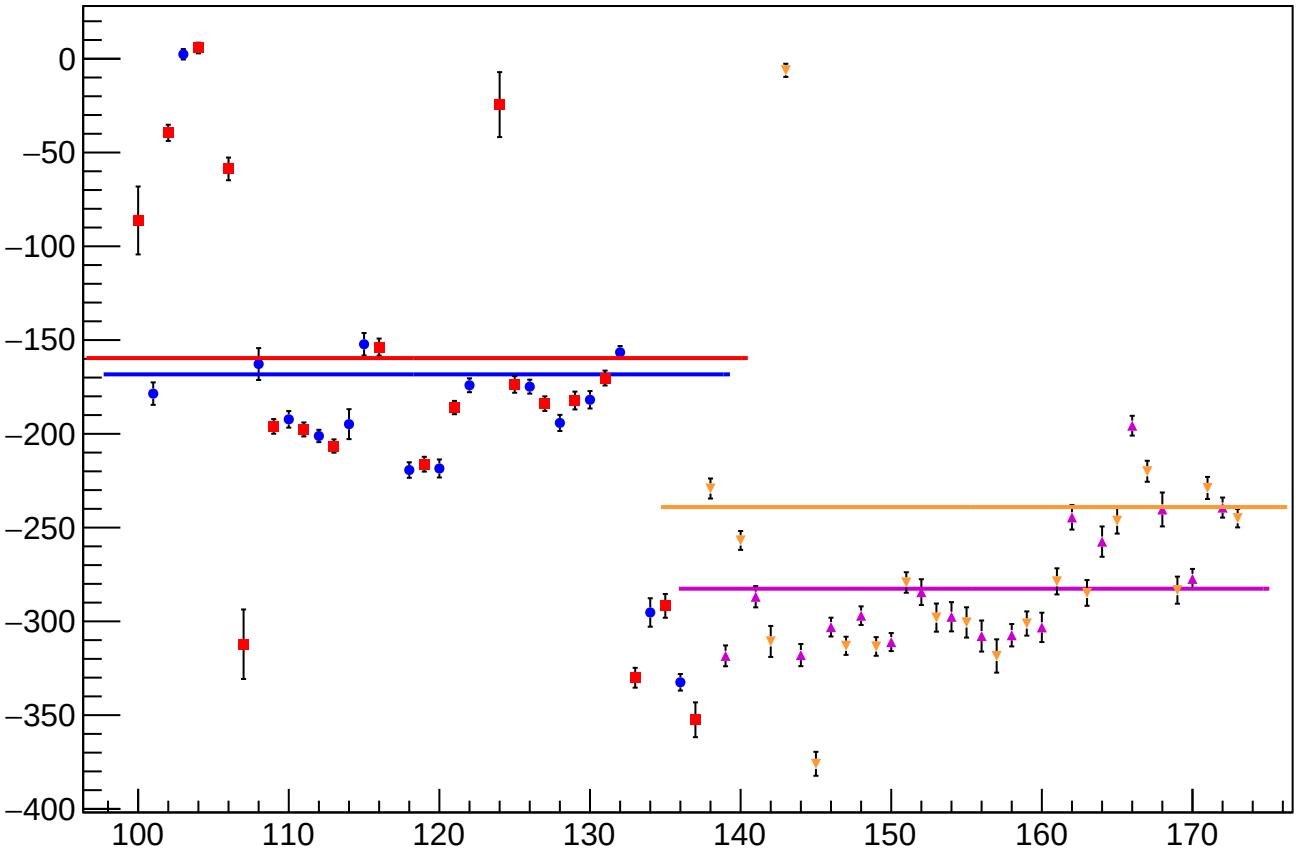
Left: -256.855+/-0.062 χ^2/NDF: 59649.1/35

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -252.571+/-0.078 χ^2/NDF:200149.7/32

Out: -251.682+/-0.076 χ^2/NDF:163657.3/37

All: -252.115+/-0.055 χ^2/NDF: 363873.4/70



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -239.029+/-1.330 χ^2/NDF:5889.3/18

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -282.591+/-1.459 χ^2/NDF:578.9/16

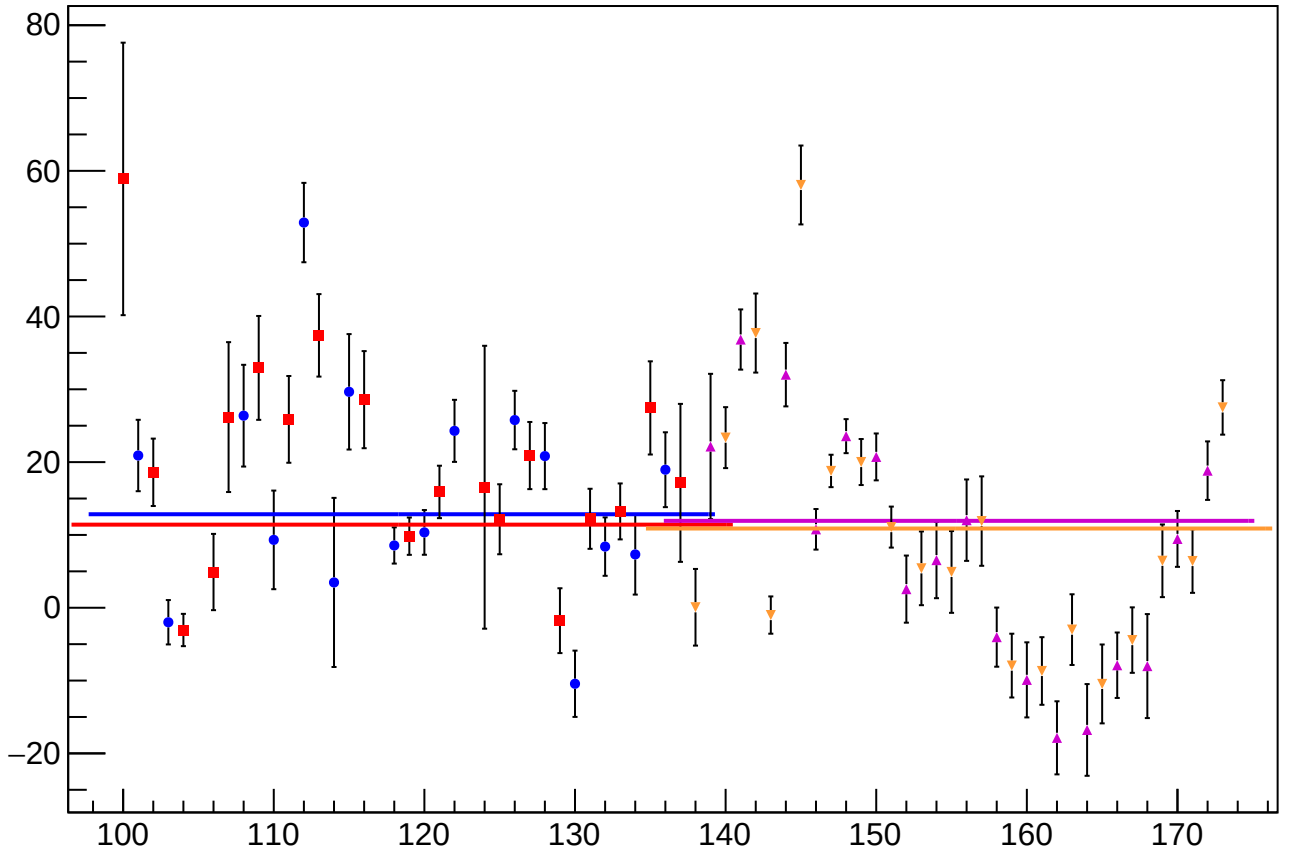
Left: -258.805+/-0.983 χ^2/NDF: 6955.2/35

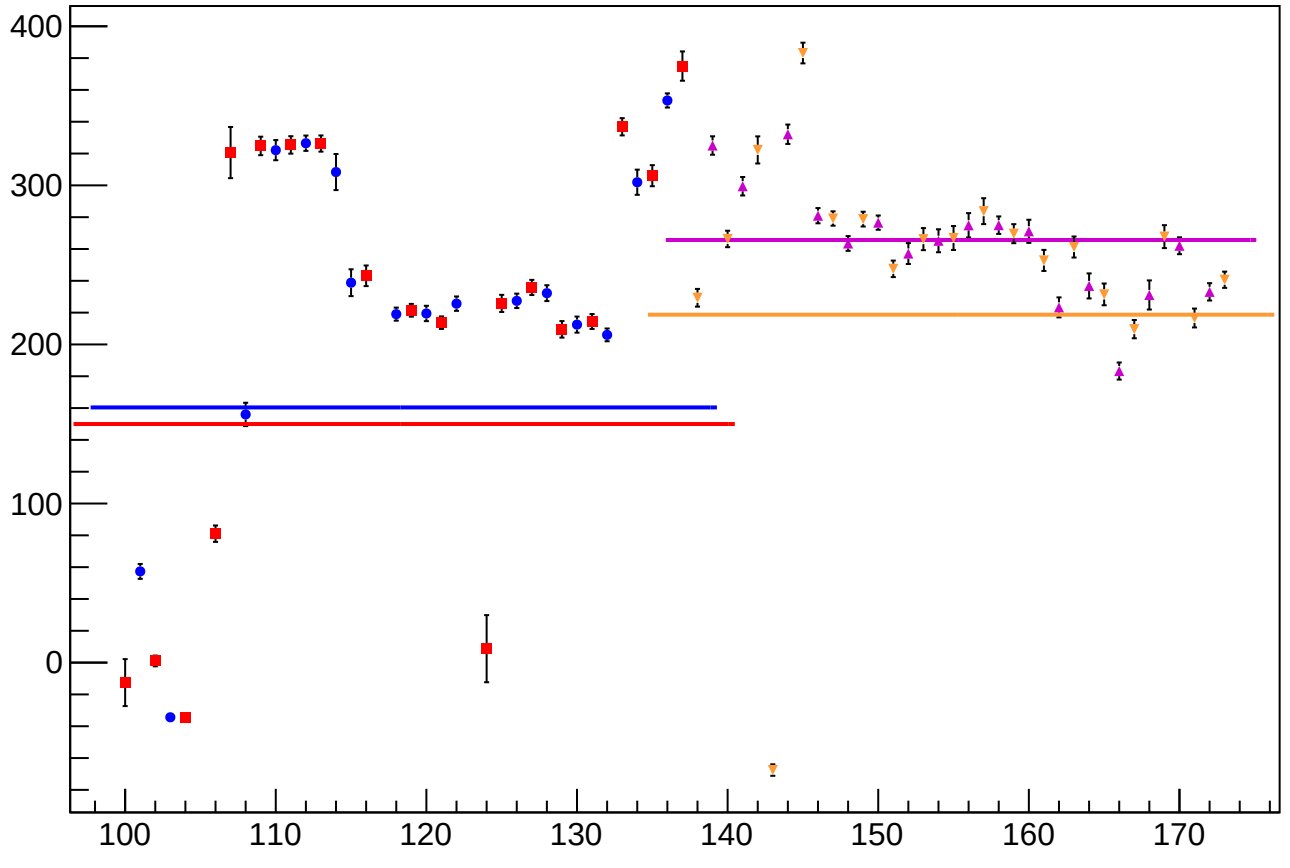
Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -208.562+/-0.866 χ^2/NDF:10463.9/32

Out: -189.824+/-0.820 χ^2/NDF:15296.7/37

All: -198.689+/-0.595 χ^2/NDF: 26007.4/70


reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: 12.842+/-1.076 χ²/NDF: 143.7/15
Left Out: 10.881+/-0.902 χ²/NDF:251.4/18
Right Out: 11.414+/-1.035 χ²/NDF: 119.6/18
Left In: 11.935+/-0.996 χ²/NDF:216.2/16
Left: 11.356+/-0.669 χ²/NDF: 468.3/35
Right: 12.100+/-0.746 χ²/NDF: 264.2/34
In: 12.354+/-0.731 χ²/NDF:360.3/32
Out: 11.111+/-0.680 χ²/NDF:371.1/37
All: 11.688+/-0.498 χ²/NDF: 733.0/70



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 218.705+/-1.312 χ^2/NDF:7903.0/18

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 265.663+/-1.422 χ^2/NDF:625.1/16

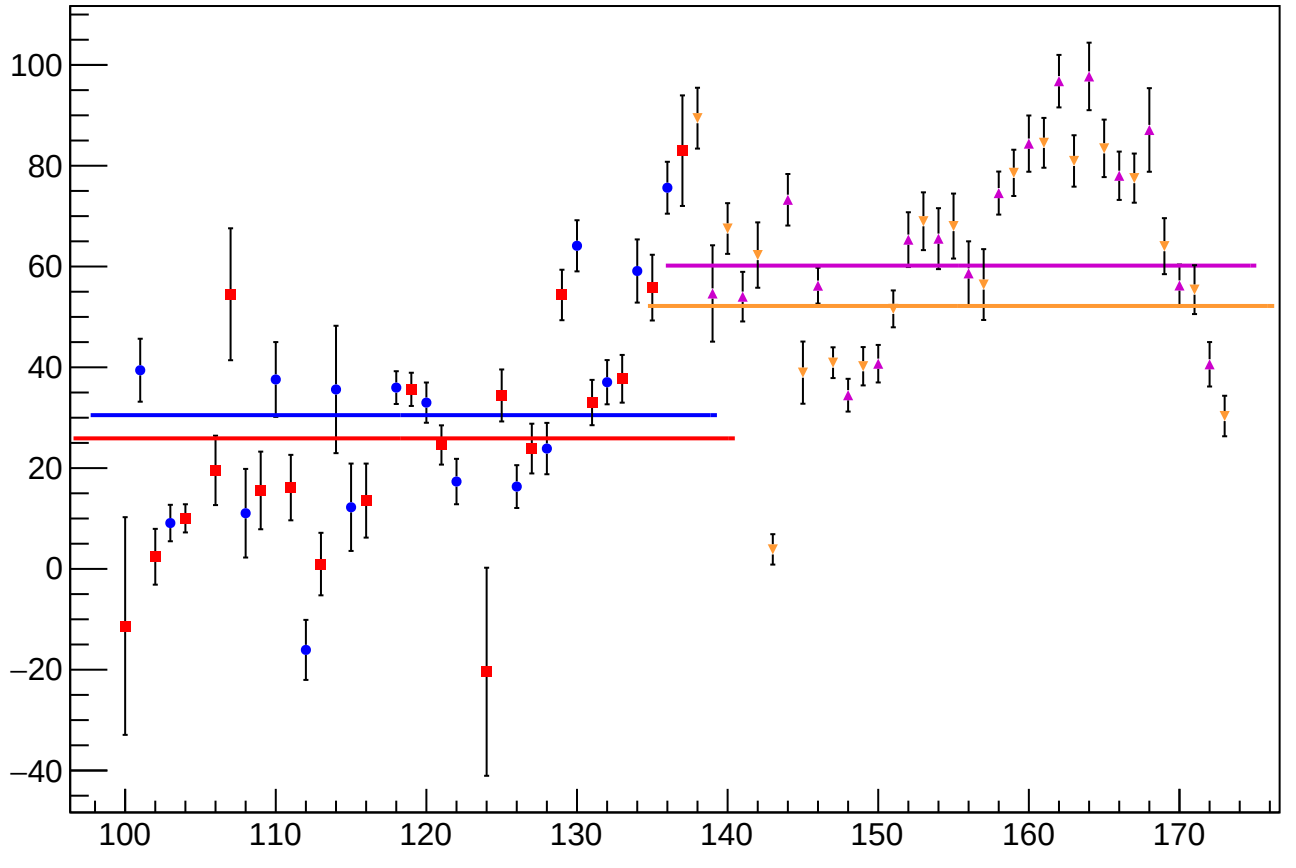
Left: 240.298+/-0.964 χ^2/NDF: 9117.3/35

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 201.553+/-0.889 χ^2/NDF:17913.2/32

Out: 178.555+/-0.846 χ^2/NDF:25771.9/37

All: 189.484+/-0.613 χ^2/NDF: 44036.4/70



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 52.175+/-1.061 χ^2/NDF:548.7/18

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 60.182+/-1.166 χ^2/NDF:257.2/16

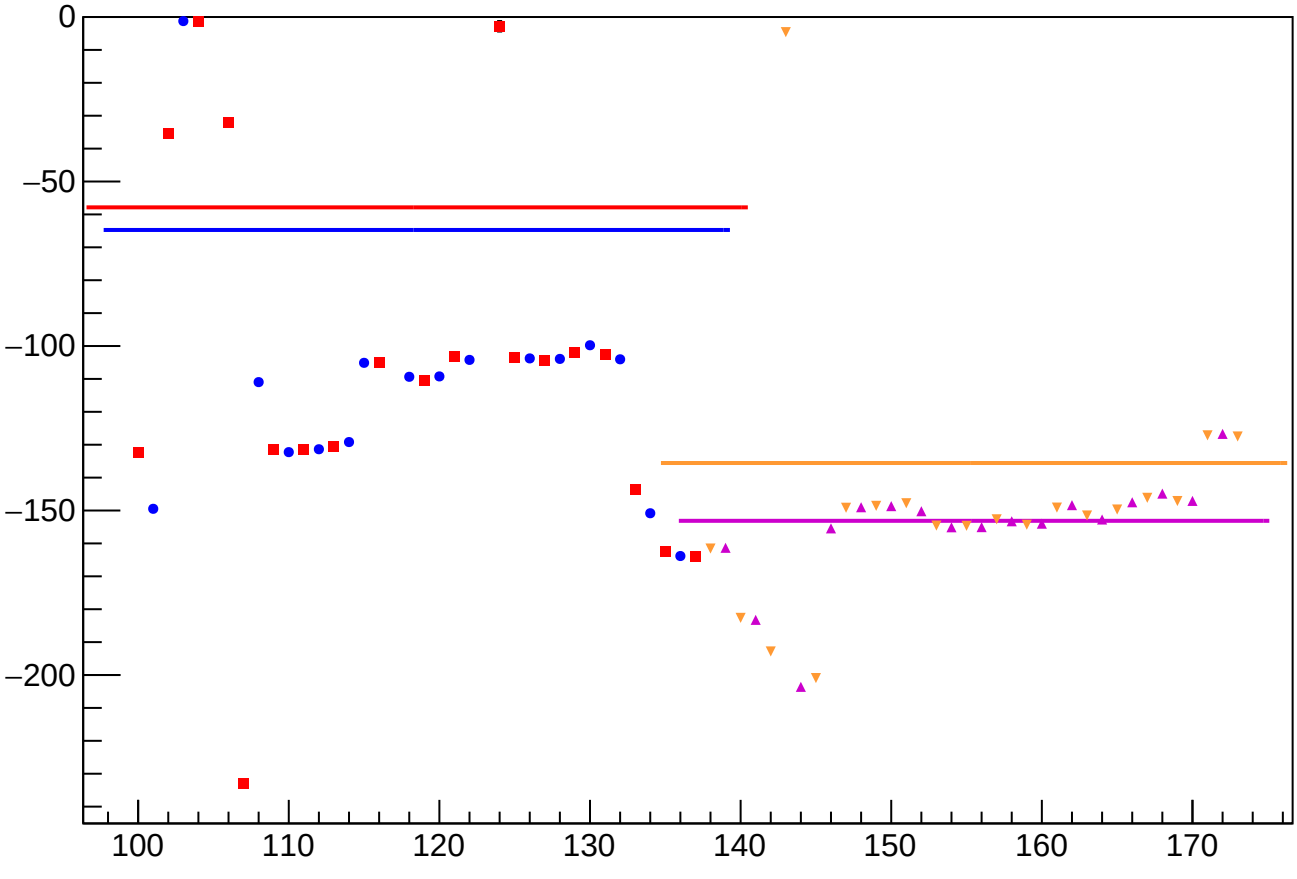
Left: 55.801+/-0.784 χ^2/NDF: 831.8/35

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 46.432+/-0.854 χ^2/NDF:834.4/32

Out: 40.794+/-0.798 χ^2/NDF:1002.3/37

All: 43.424+/-0.583 χ^2/NDF: 1860.0/70



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -135.558+/-0.050 χ^2/NDF:966384.4/18

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -153.130+/-0.054 χ^2/NDF:76040.4/16

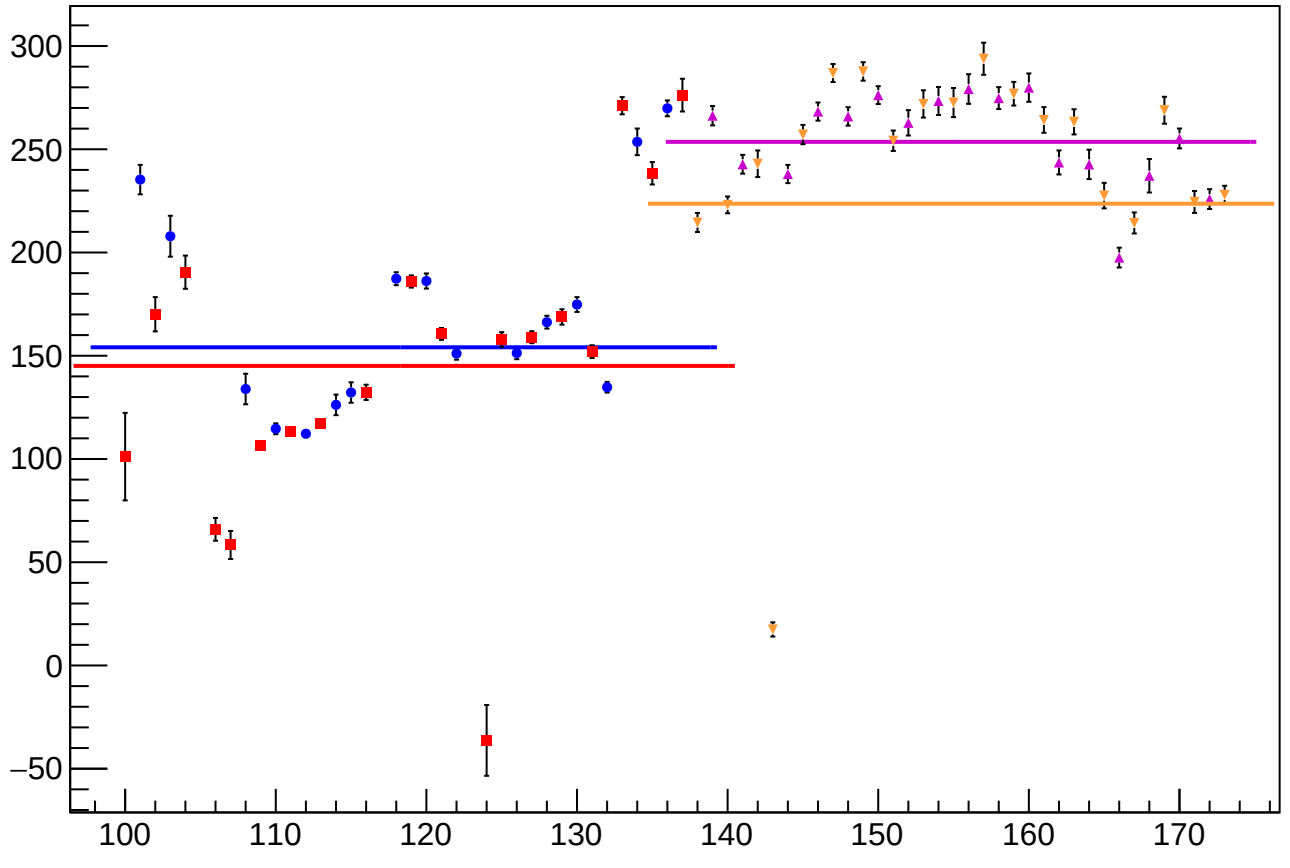
Left: -143.776+/-0.037 χ^2/NDF: 1099793.3/35

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -116.605+/-0.041 χ^2/NDF:2247493.6/32

Out: -104.899+/-0.039 χ^2/NDF:2788570.9/37

All: -110.465+/-0.028 χ^2/NDF: 5078814.3/70



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 223.636+/-1.176 χ^2/NDF:4509.0/18

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 253.590+/-1.271 χ^2/NDF:304.6/16

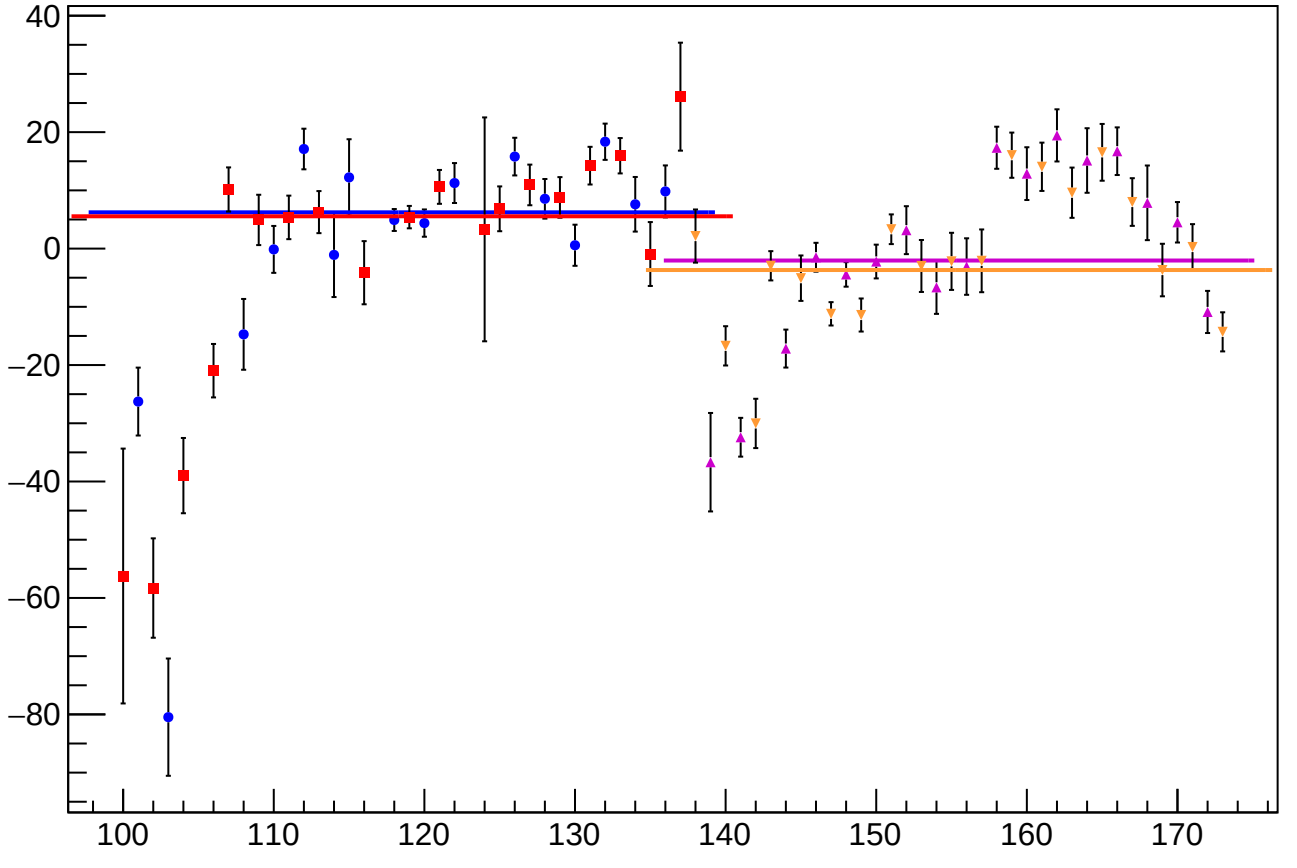
Left: 237.448+/-0.863 χ^2/NDF: 5112.7/35

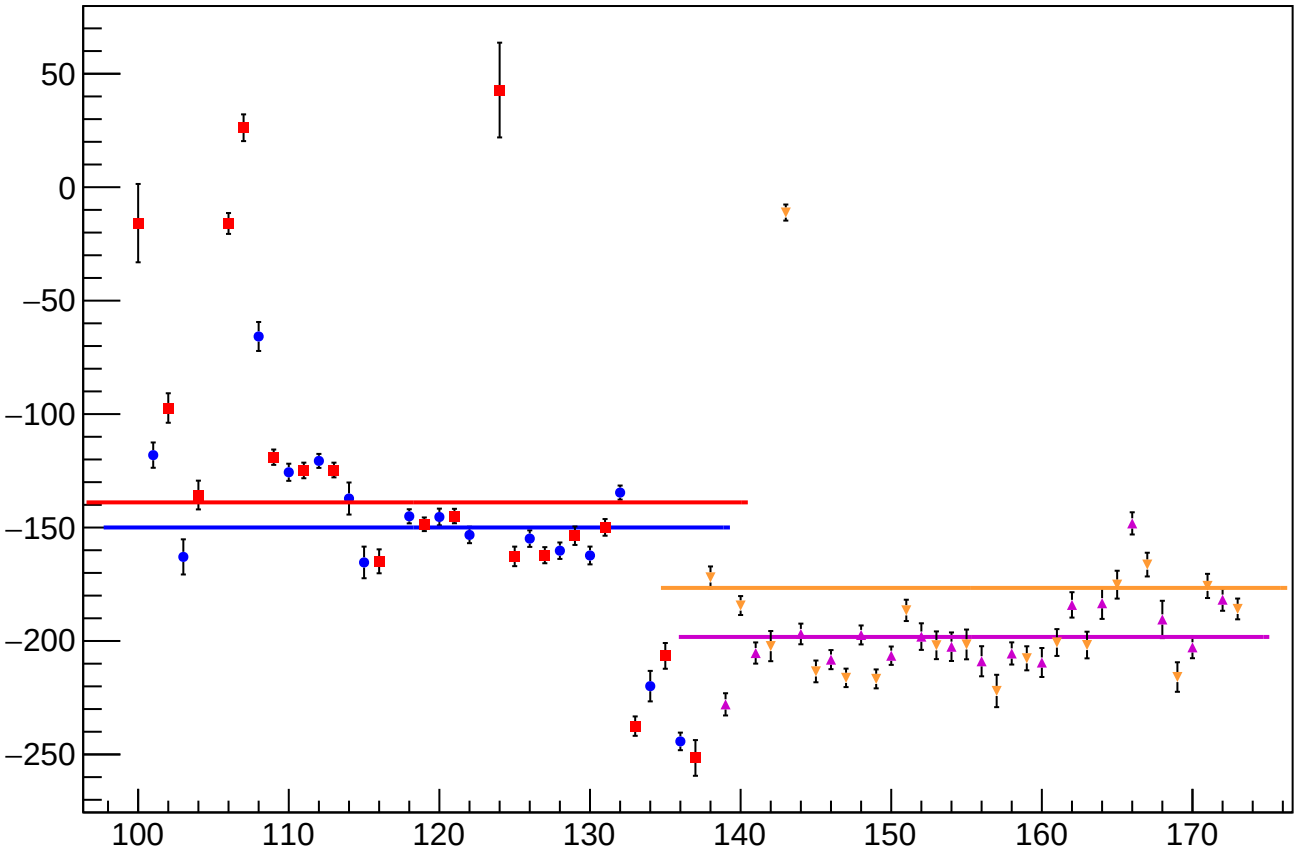
Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 185.787+/-0.717 χ^2/NDF:6759.9/32

Out: 171.035+/-0.676 χ^2/NDF:10455.2/37

All: 177.972+/-0.492 χ^2/NDF: 17439.0/70


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
170
Right In: 6.229+/-0.890 χ²/NDF: 162.1/15
Left Out: -3.680+/-0.803 χ²/NDF:174.6/18
Right Out: 5.548+/-0.889 χ²/NDF: 181.1/18
Left In: -2.047+/-0.875 χ²/NDF:230.5/16
Left: -2.933+/-0.592 χ²/NDF: 407.0/35
Right: 5.888+/-0.629 χ²/NDF: 343.5/34
In: 2.020+/-0.624 χ²/NDF:436.6/32
Out: 0.464+/-0.596 χ²/NDF:415.0/37
All: 1.207+/-0.431 χ²/NDF: 854.8/70



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -176.608+/-1.161 χ^2/NDF:2635.3/18

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -198.218+/-1.242 χ^2/NDF:186.0/16

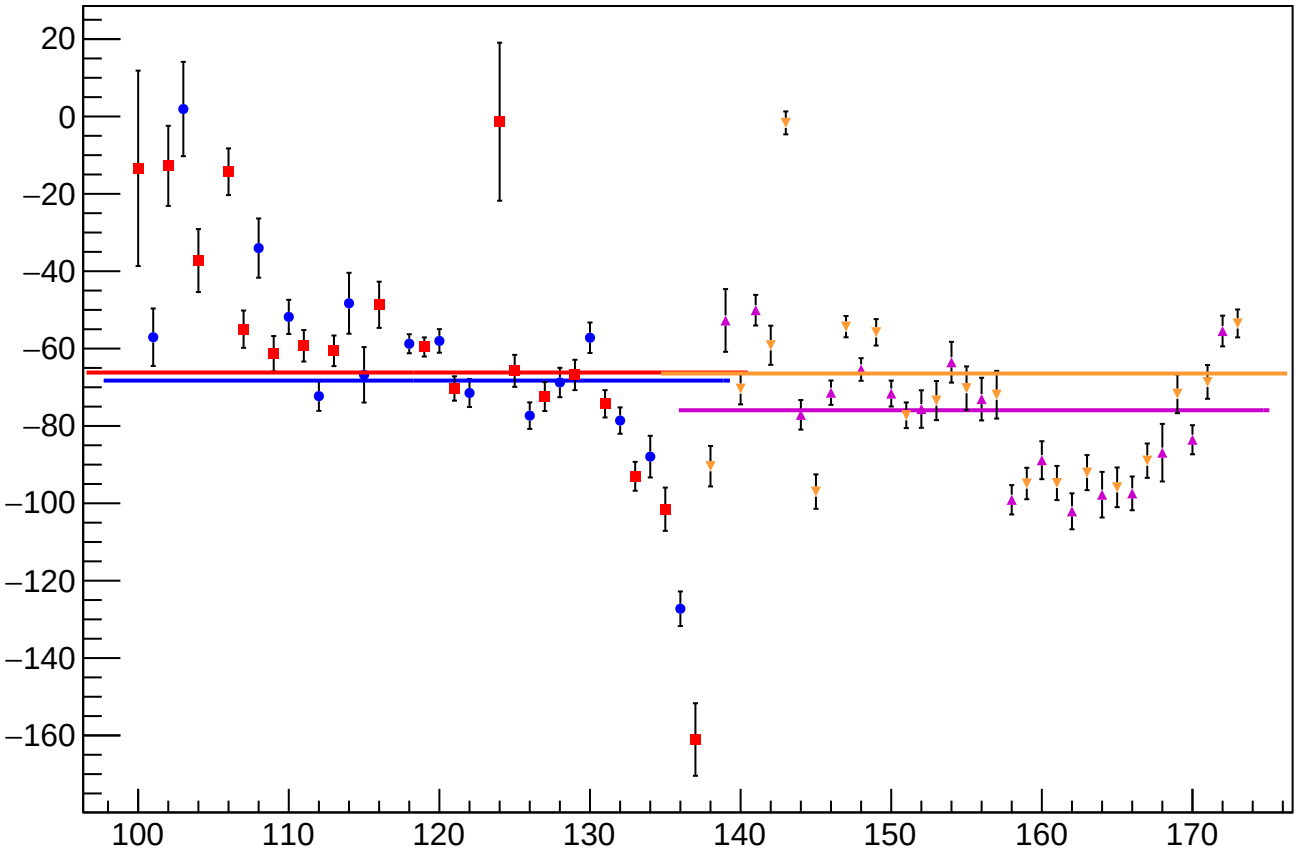
Left: -186.687+/-0.848 χ^2/NDF: 2982.9/35

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -169.535+/-0.791 χ^2/NDF:2182.8/32

Out: -154.845+/-0.755 χ^2/NDF:5994.7/37

All: -161.848+/-0.546 χ^2/NDF: 8358.1/70



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -66.440+/-0.943 χ^2/NDF:787.1/18

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -75.938+/-1.023 χ^2/NDF:219.9/16

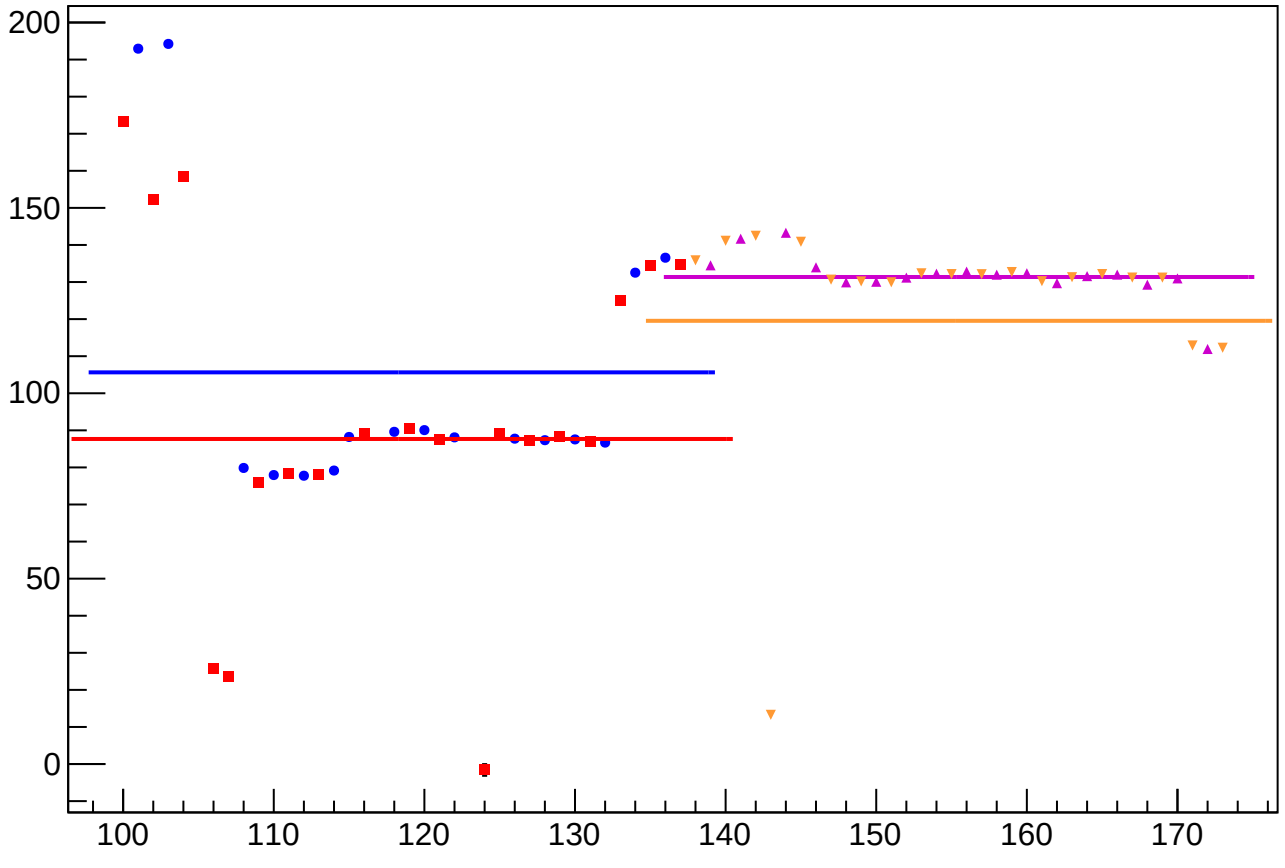
Left: -70.803+/-0.693 χ^2/NDF: 1053.6/35

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -72.143+/-0.727 χ^2/NDF:563.1/32

Out: -66.324+/-0.694 χ^2/NDF:1145.4/37

All: -69.097+/-0.502 χ^2/NDF: 1742.1/70



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 119.541+/-0.044 χ^2/NDF:606328.6/18

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 131.361+/-0.047 χ^2/NDF:20573.7/16

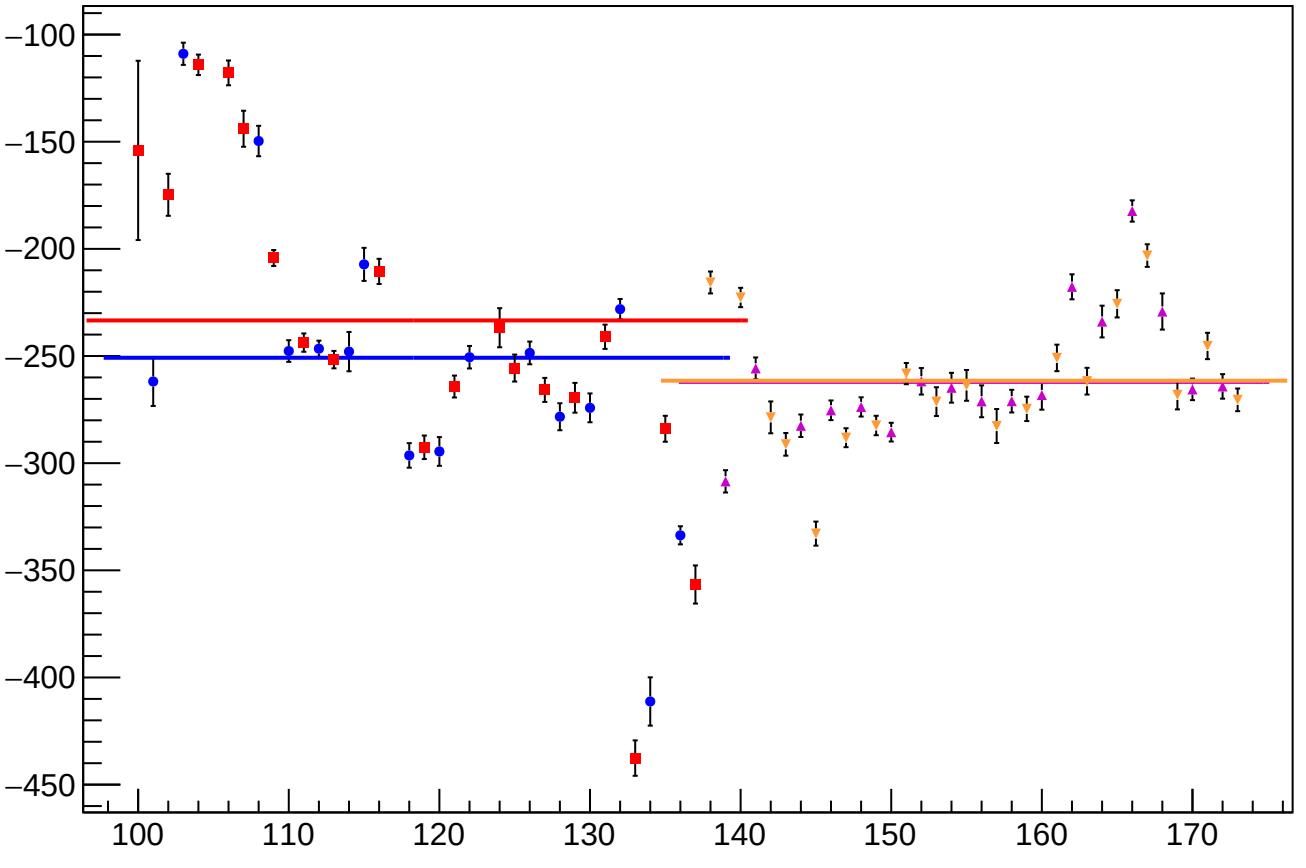
Left: 125.131+/-0.032 χ^2/NDF: 660357.3/35

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 123.517+/-0.039 χ^2/NDF:351838.0/32

Out: 109.522+/-0.037 χ^2/NDF:1142449.3/37

All: 116.093+/-0.027 χ^2/NDF: 1562203.5/70



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -261.520+/-1.293 χ^2/NDF:592.8/18

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -262.082+/-1.342 χ^2/NDF:491.5/16

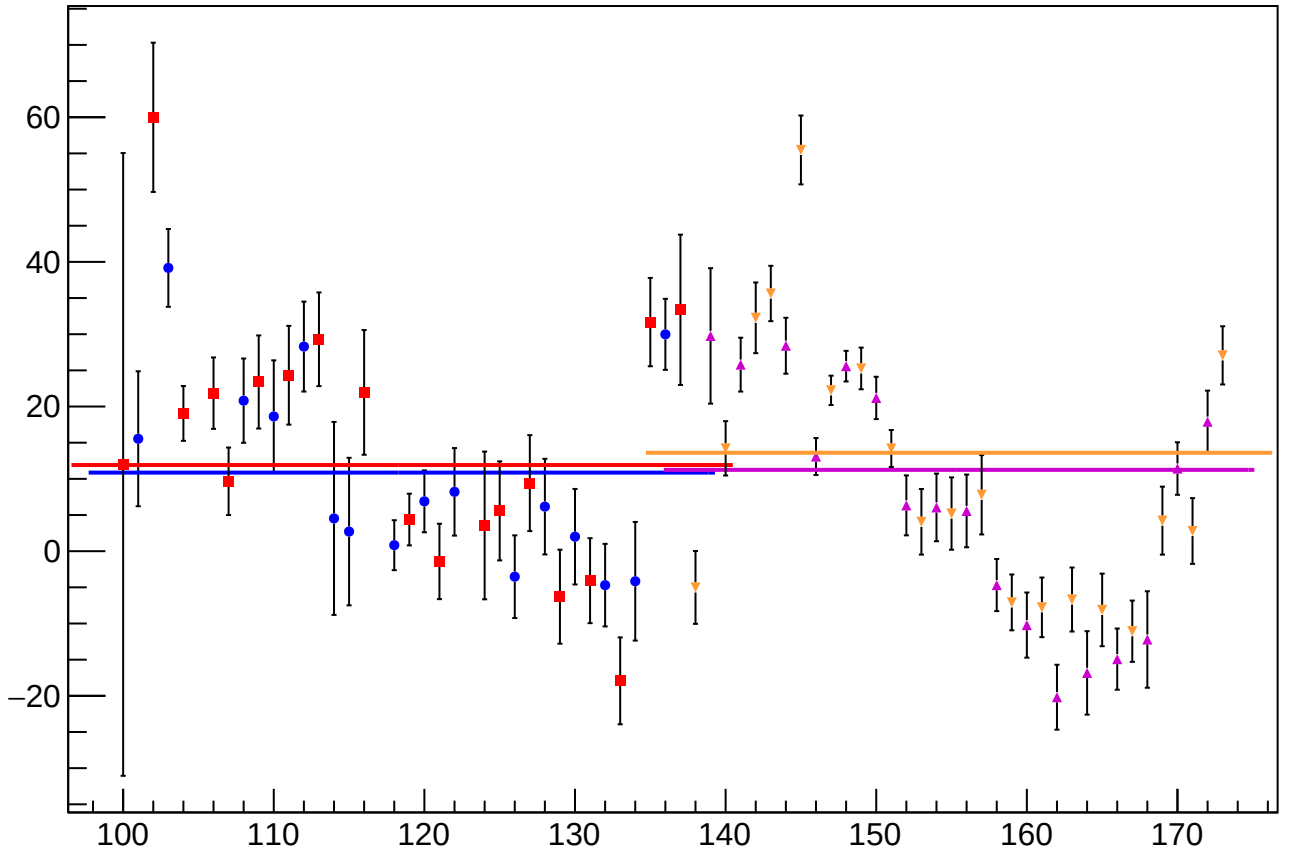
Left: -261.791+/-0.931 χ^2/NDF: 1084.4/35

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -256.838+/-0.981 χ^2/NDF:2260.1/32

Out: -247.886+/-0.928 χ^2/NDF:3200.6/37

All: -252.115+/-0.674 χ^2/NDF: 5504.5/70



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 13.607+/-0.867 χ^2/NDF:331.7/18

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 11.245+/-0.912 χ^2/NDF:268.8/16

Left: 12.486+/-0.628 χ^2/NDF: 604.1/35

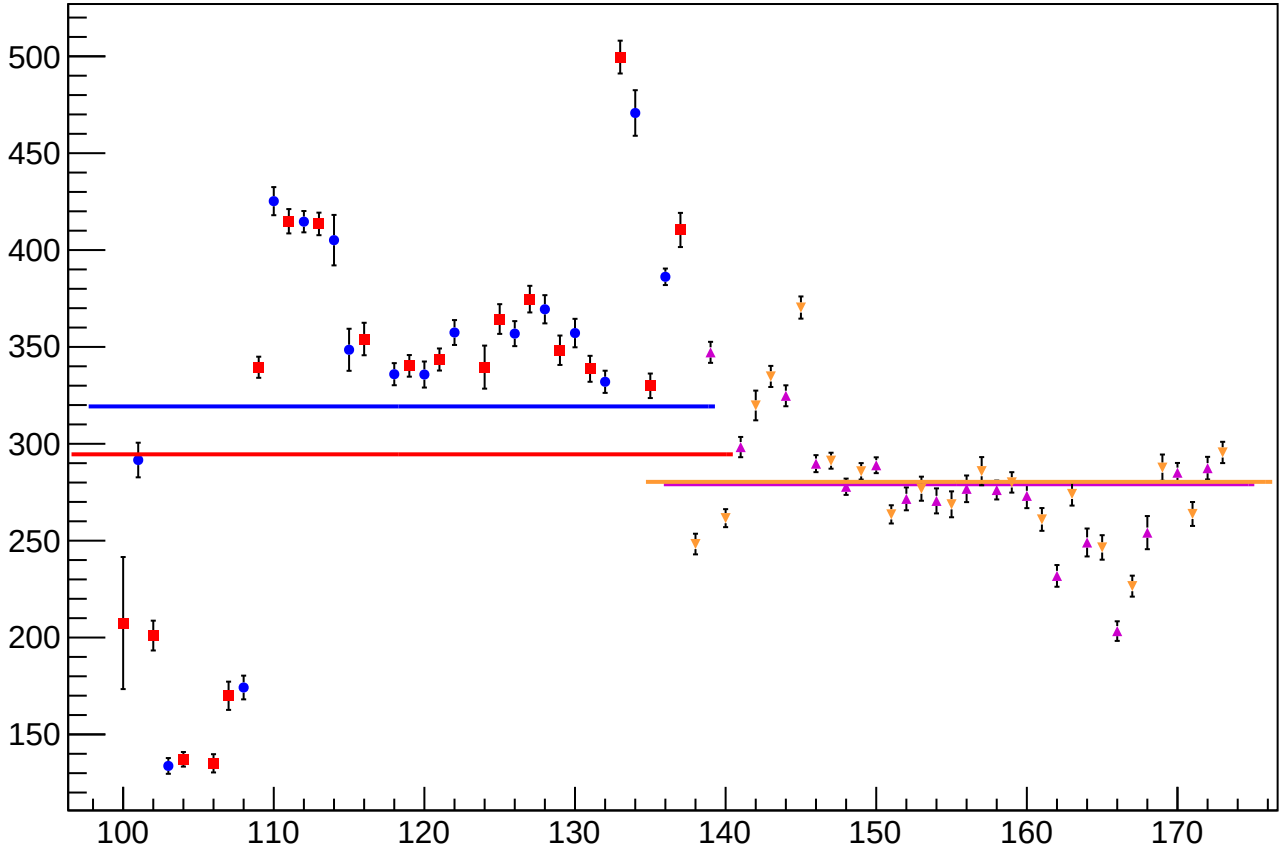
Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 11.139+/-0.775 χ^2/NDF:353.5/32

Out: 13.121+/-0.732 χ^2/NDF:444.7/37

All: 12.187+/-0.532 χ^2/NDF: 801.7/70

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: 280.355+/-1.267 χ^2/NDF:606.4/18

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 279.123+/-1.305 χ^2/NDF:583.5/16

Left: 279.757+/-0.909 χ^2/NDF: 1190.4/35

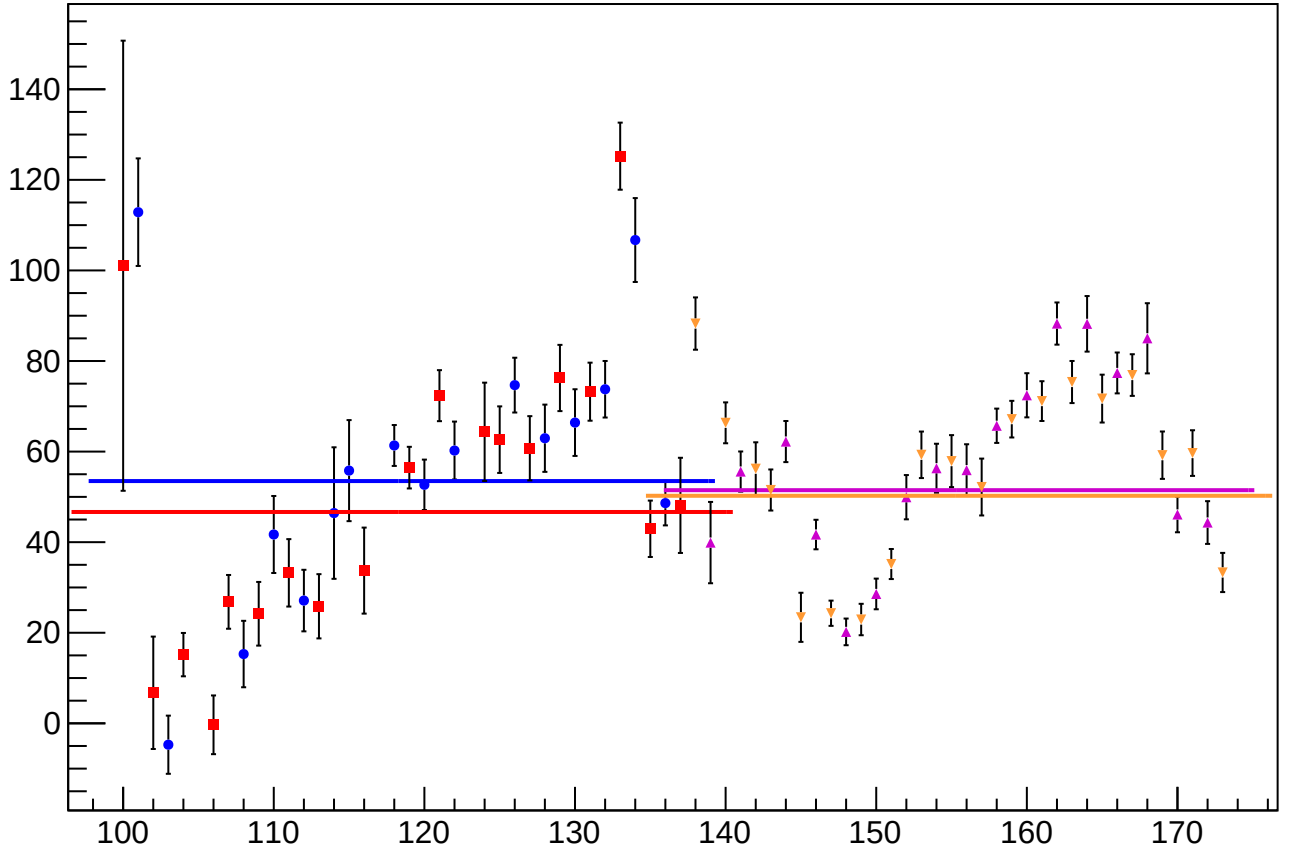
Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 295.344+/-1.008 χ^2/NDF:4758.9/32

Out: 286.361+/-0.963 χ^2/NDF:6162.8/37

All: 290.649+/-0.696 χ^2/NDF: 10963.2/70

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 50.245+/-1.021 χ^2/NDF:397.2/18

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 51.481+/-1.069 χ^2/NDF:364.0/16

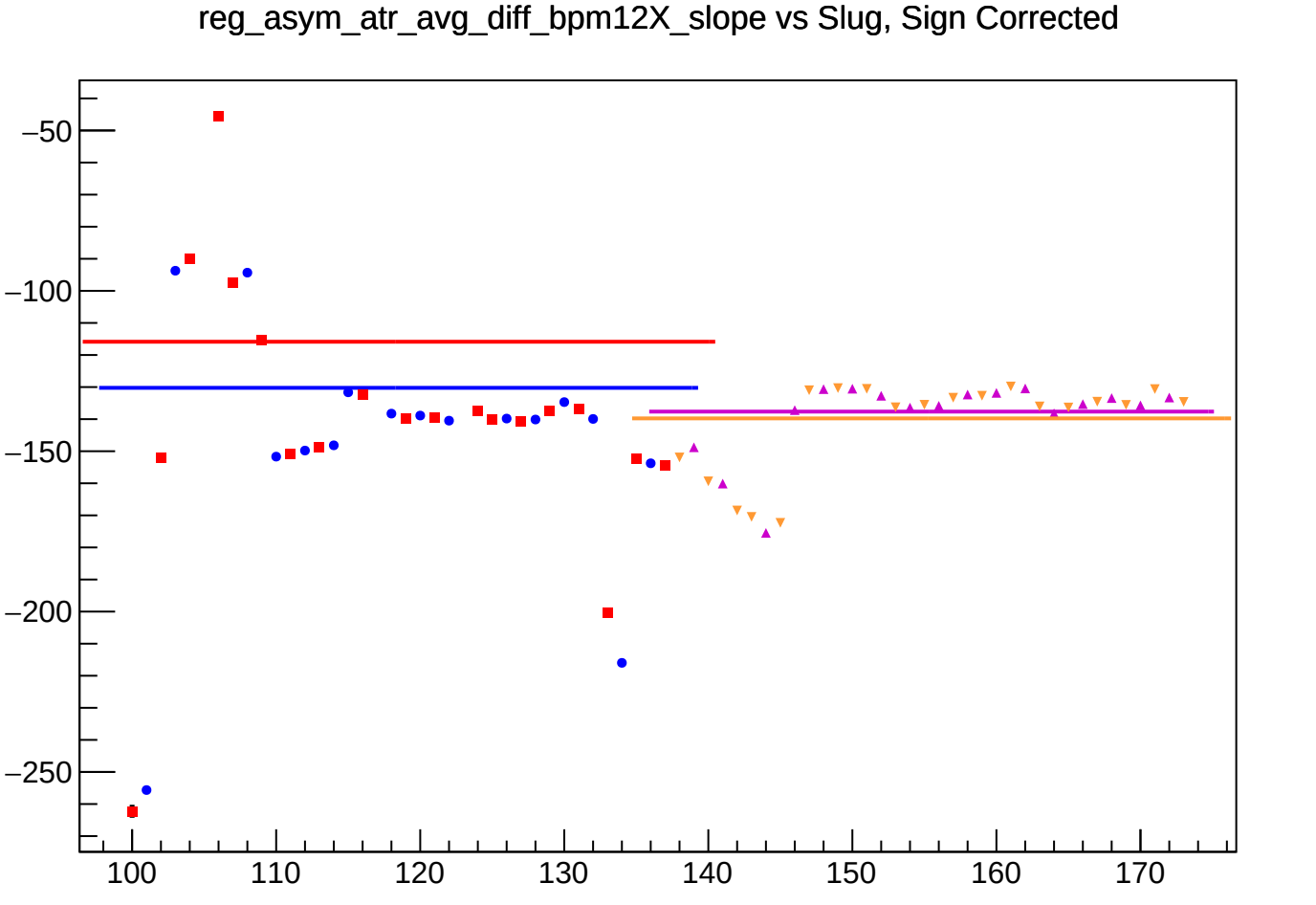
Left: 50.835+/-0.738 χ^2/NDF: 762.0/35

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 52.052+/-0.905 χ^2/NDF:582.3/32

Out: 49.203+/-0.860 χ^2/NDF:726.4/37

All: 50.555+/-0.623 χ^2/NDF: 1313.9/70



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -139.764+/-0.048 χ^2/NDF:76338.8/18

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

Left In: -137.645+/-0.049 χ^2/NDF:46685.7/16

Left: -138.725+/-0.034 χ^2/NDF: 123968.0/35

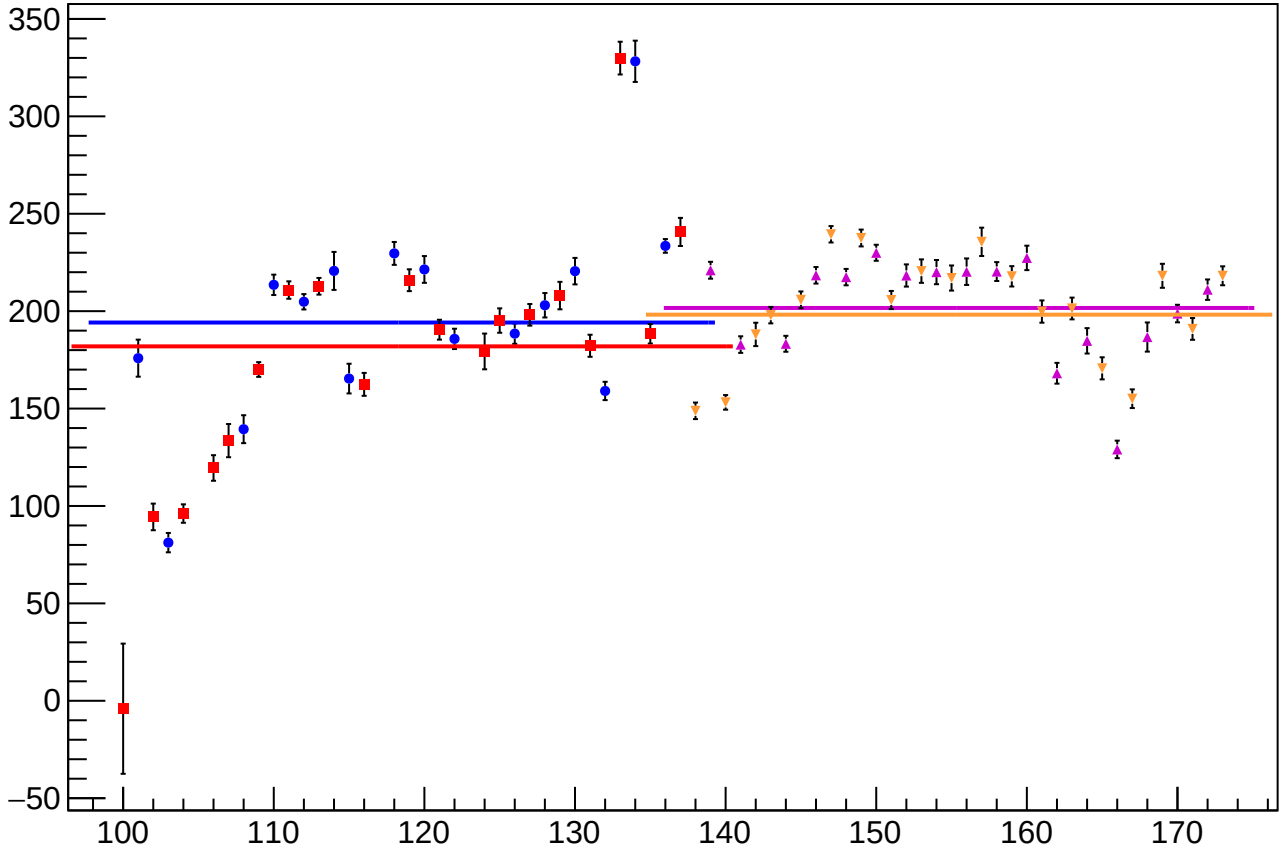
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -135.969+/-0.043 χ^2/NDF:226014.2/32

Out: -134.005+/-0.042 χ^2/NDF:341238.0/37

All: -134.959+/-0.030 χ^2/NDF: 568310.5/70

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 198.198+/-1.142 χ^2/NDF:664.1/18

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 201.647+/-1.198 χ^2/NDF:507.8/16

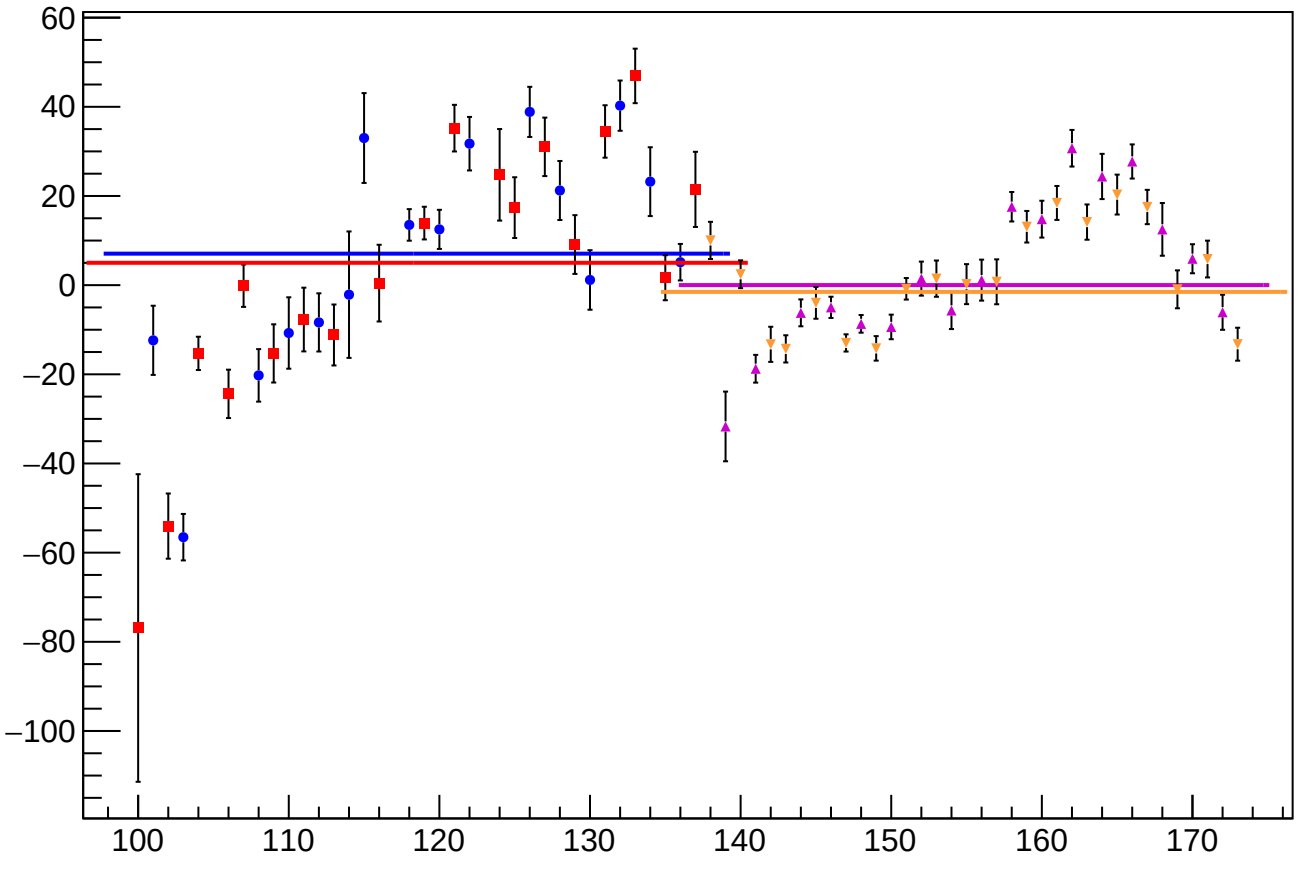
Left: 199.841+/-0.827 χ^2/NDF: 1176.2/35

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 198.502+/-0.912 χ^2/NDF:1559.4/32

Out: 191.242+/-0.864 χ^2/NDF:1955.7/37

All: 194.678+/-0.627 χ^2/NDF: 3548.4/70



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -1.509+/-0.779 χ^2/NDF:215.2/18

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: 0.015+/-0.825 χ^2/NDF:276.8/16

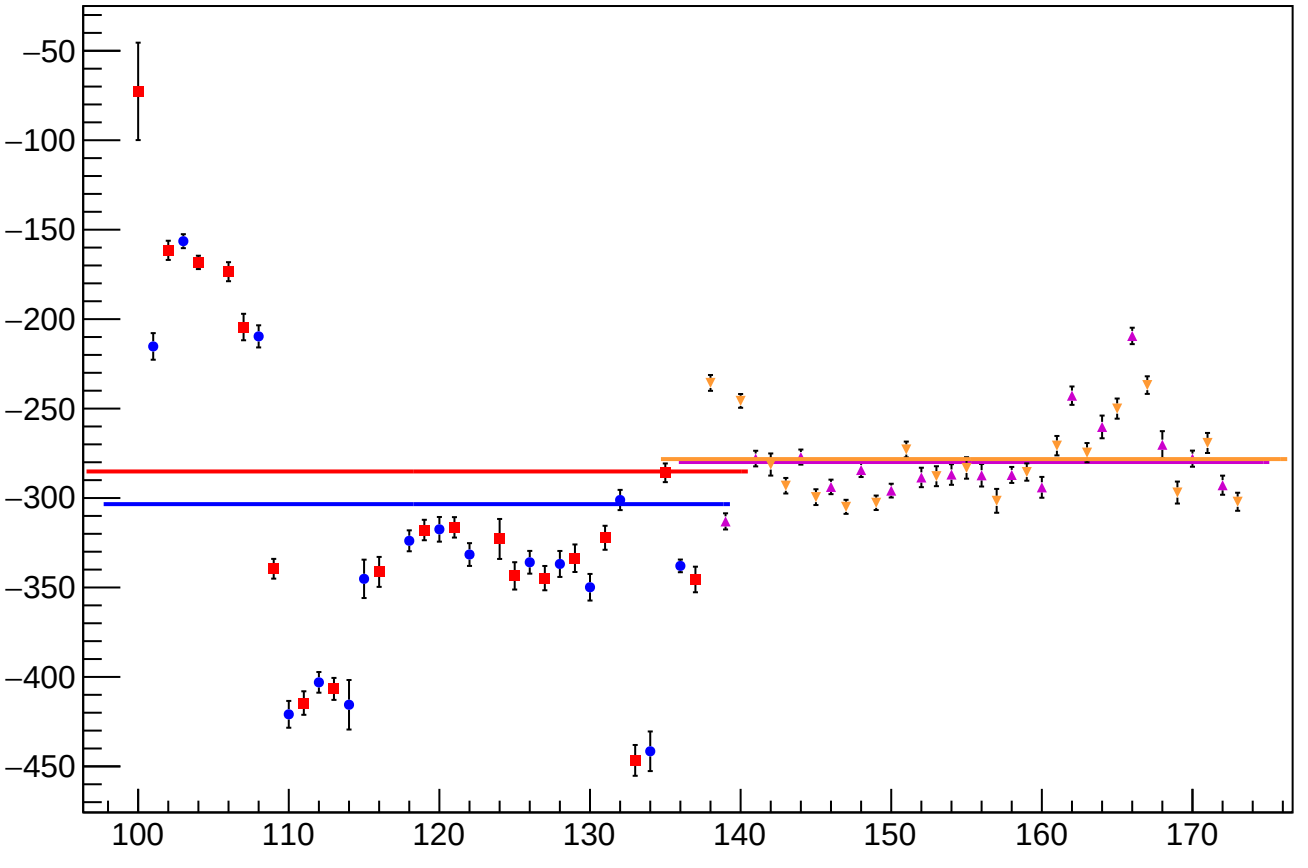
Left: -0.791+/-0.566 χ^2/NDF: 493.7/35

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: 1.753+/-0.716 χ^2/NDF:587.3/32

Out: 0.112+/-0.675 χ^2/NDF:521.1/37

All: 0.884+/-0.491 χ^2/NDF: 1111.2/70



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -278.228+/-1.125 χ^2/NDF:433.8/18

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -279.864+/-1.169 χ^2/NDF:404.6/16

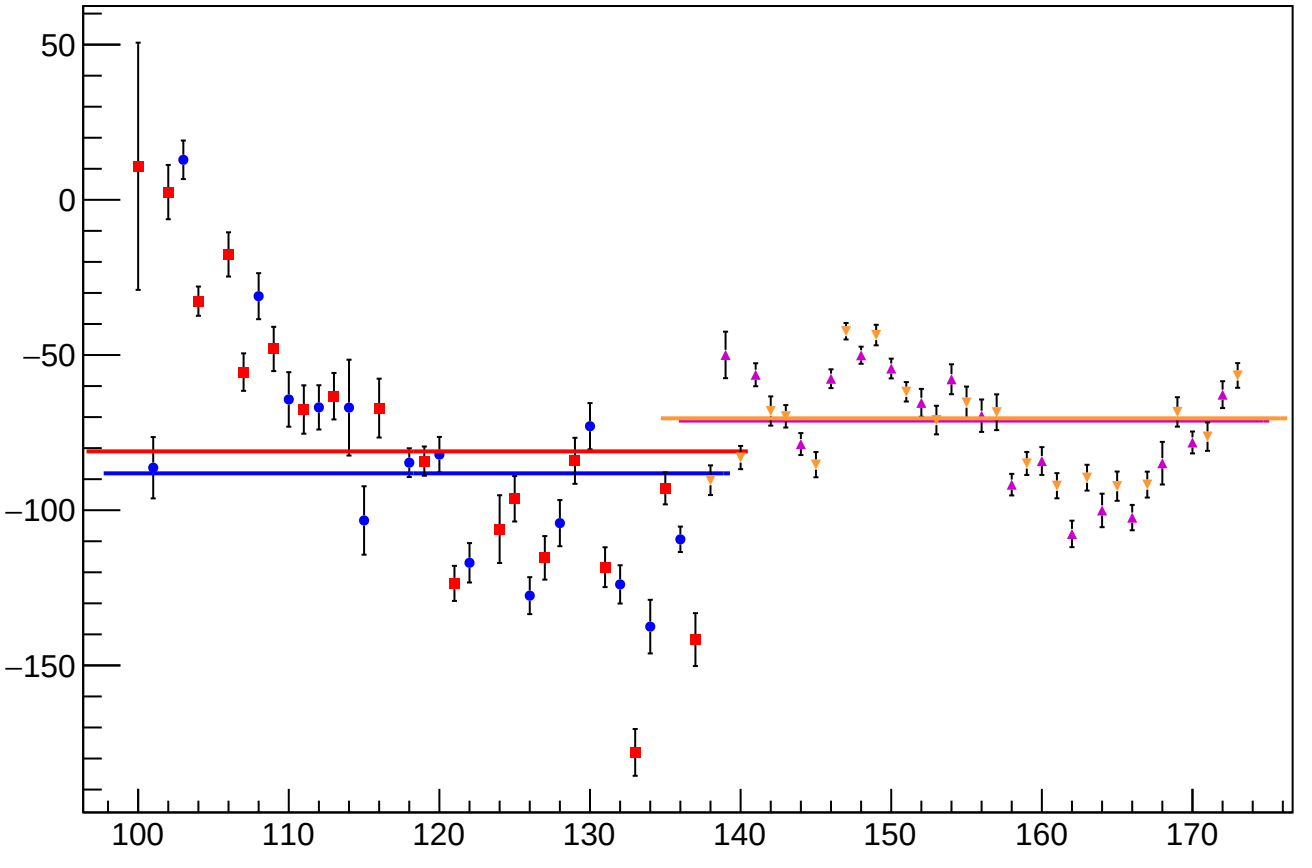
Left: -279.015+/-0.811 χ^2/NDF: 839.5/35

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -288.543+/-0.929 χ^2/NDF:3339.6/32

Out: -280.826+/-0.889 χ^2/NDF:4202.9/37

All: -284.515+/-0.642 χ^2/NDF: 7578.5/70



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -70.393+/-0.914 χ^2/NDF:355.5/18

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -71.119+/-0.964 χ^2/NDF:359.6/16

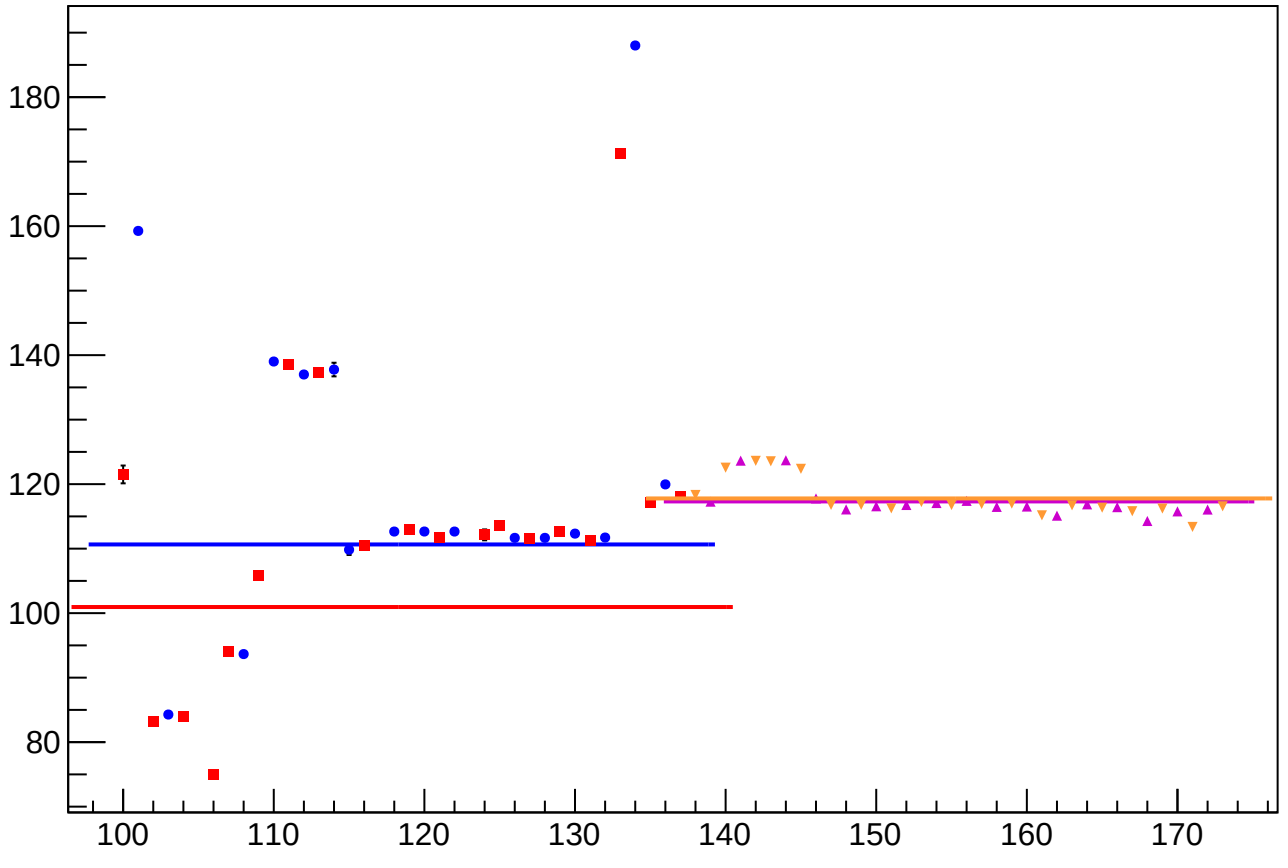
Left: -70.736+/-0.663 χ^2/NDF: 715.4/35

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -75.427+/-0.833 χ^2/NDF:950.3/32

Out: -73.093+/-0.790 χ^2/NDF:1067.4/37

All: -74.198+/-0.573 χ^2/NDF: 2021.9/70



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 117.784+/-0.043 χ^2/NDF:4265.2/18

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 117.321+/-0.044 χ^2/NDF:2986.2/16

Left: 117.559+/-0.031 χ^2/NDF: 7307.8/35

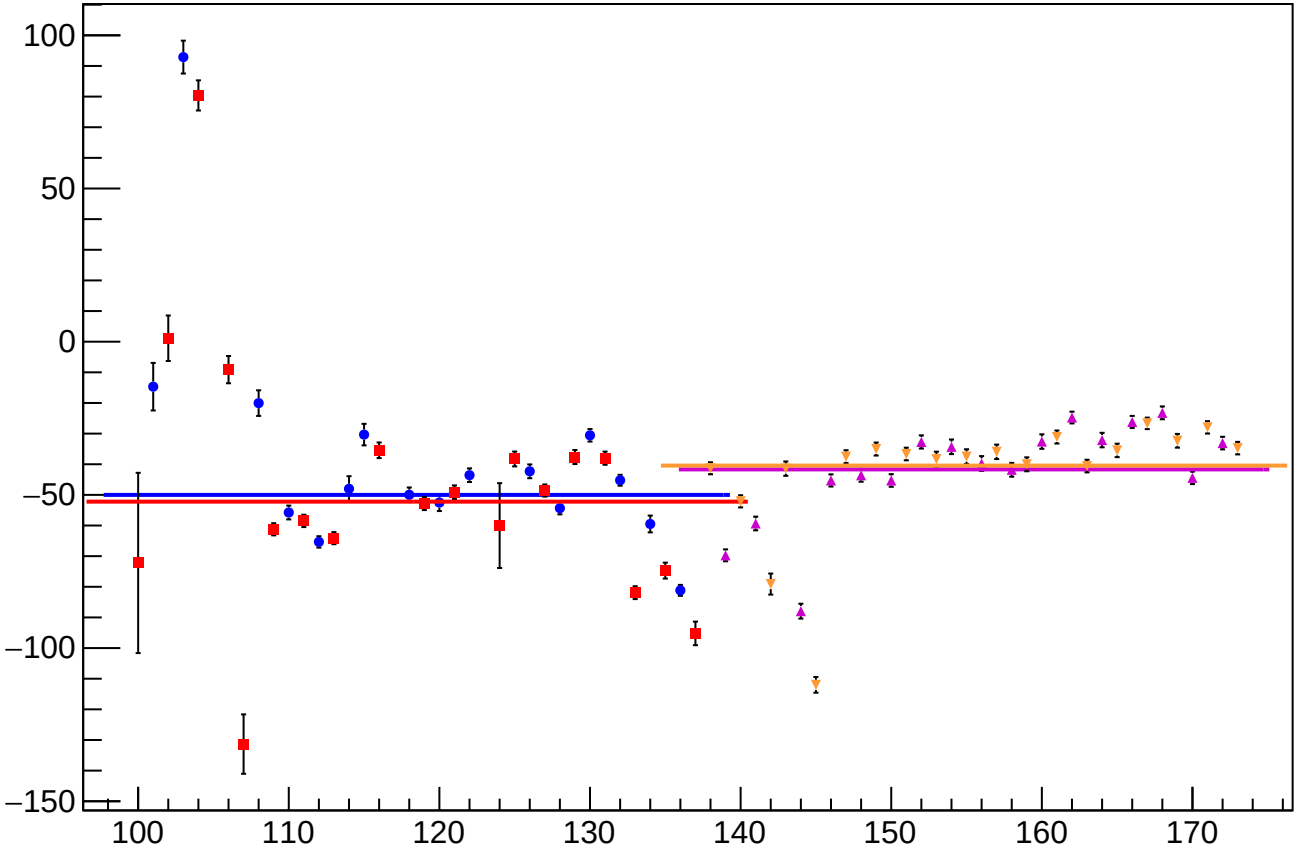
Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.923+/-0.039 χ^2/NDF:91282.7/32

Out: 114.083+/-0.038 χ^2/NDF:99992.4/37

All: 114.972+/-0.027 χ^2/NDF: 192409.5/70

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -40.441+/-0.503 χ^2/NDF:1089.4/18

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -41.690+/-0.520 χ^2/NDF:934.1/16

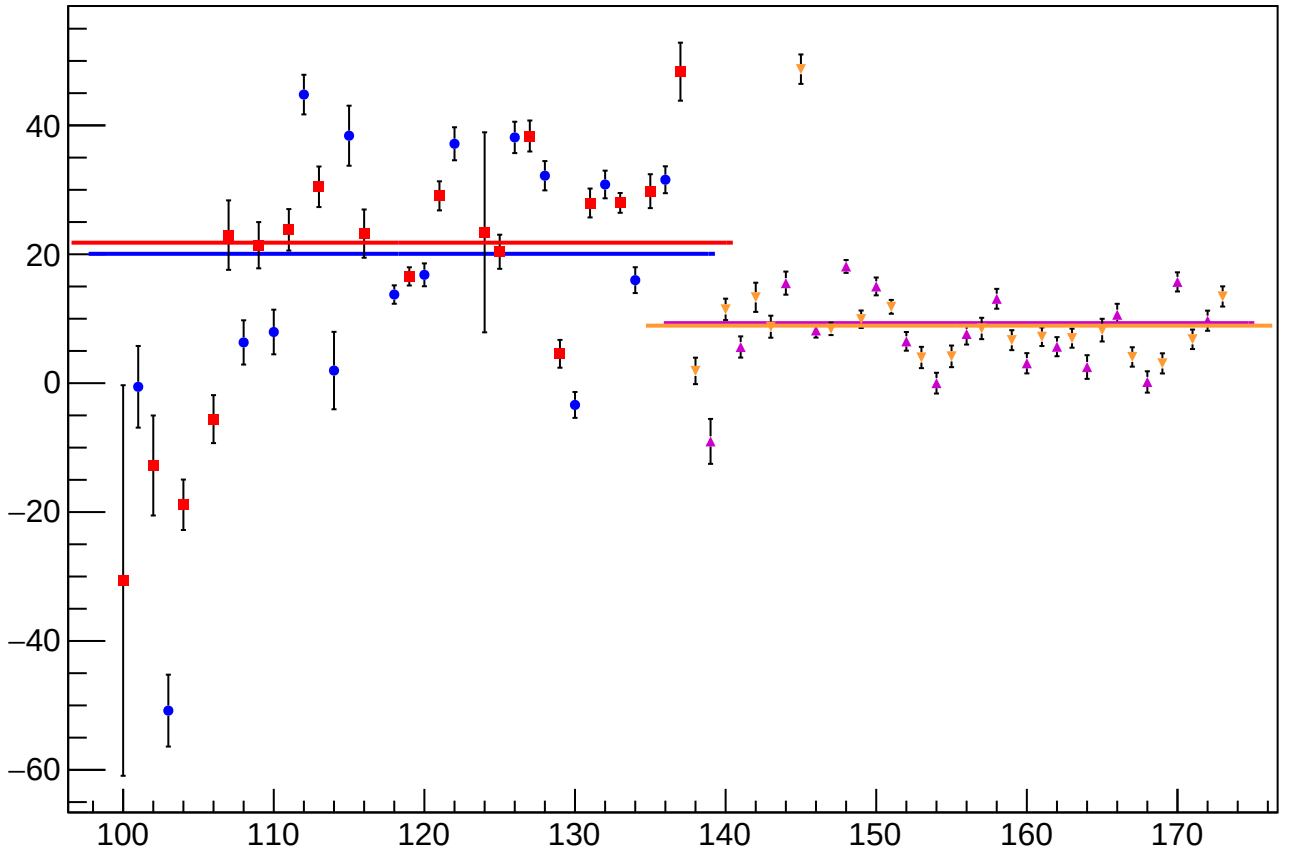
Left: -41.044+/-0.362 χ^2/NDF: 2026.5/35

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -45.194+/-0.396 χ^2/NDF:2369.1/32

Out: -45.250+/-0.387 χ^2/NDF:2883.4/37

All: -45.222+/-0.277 χ^2/NDF: 5252.5/70



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 8.928+/-0.348 χ^2/NDF:386.5/18

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 9.314+/-0.366 χ^2/NDF:269.8/16

Left: 9.111+/-0.252 χ^2/NDF: 656.8/35

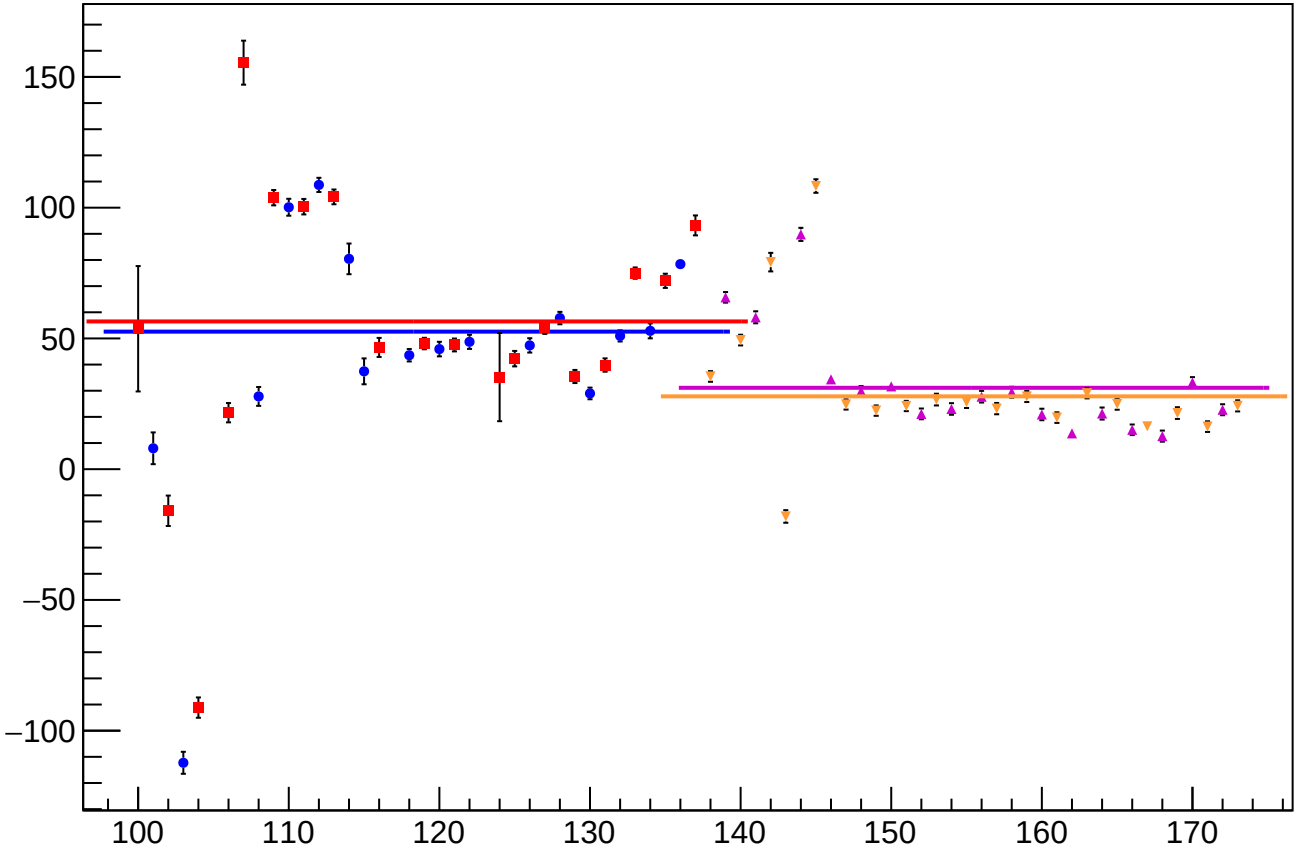
Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 12.146+/-0.314 χ^2/NDF:1133.7/32

Out: 11.995+/-0.304 χ^2/NDF:1109.0/37

All: 12.068+/-0.218 χ^2/NDF: 2242.8/70

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 27.855+/-0.493 χ^2/NDF:1773.7/18

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 31.122+/-0.507 χ^2/NDF:1306.9/16

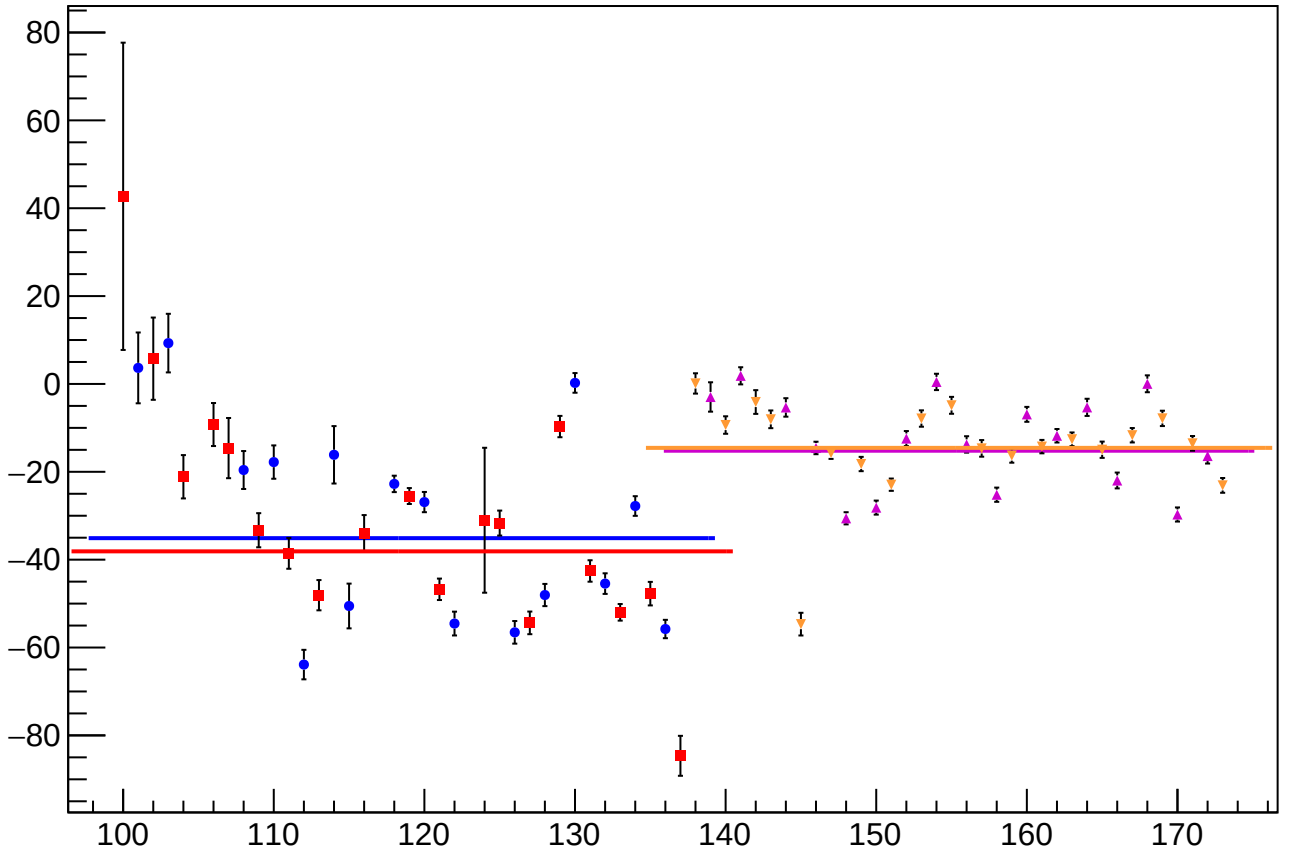
Left: 29.442+/-0.353 χ^2/NDF: 3102.0/35

Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 38.565+/-0.410 χ^2/NDF:4588.3/32

Out: 37.247+/-0.404 χ^2/NDF:5847.4/37

All: 37.896+/-0.288 χ^2/NDF: 10441.0/70



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.552+/-0.402 χ^2/NDF:440.4/18

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -15.199+/-0.422 χ^2/NDF:626.1/16

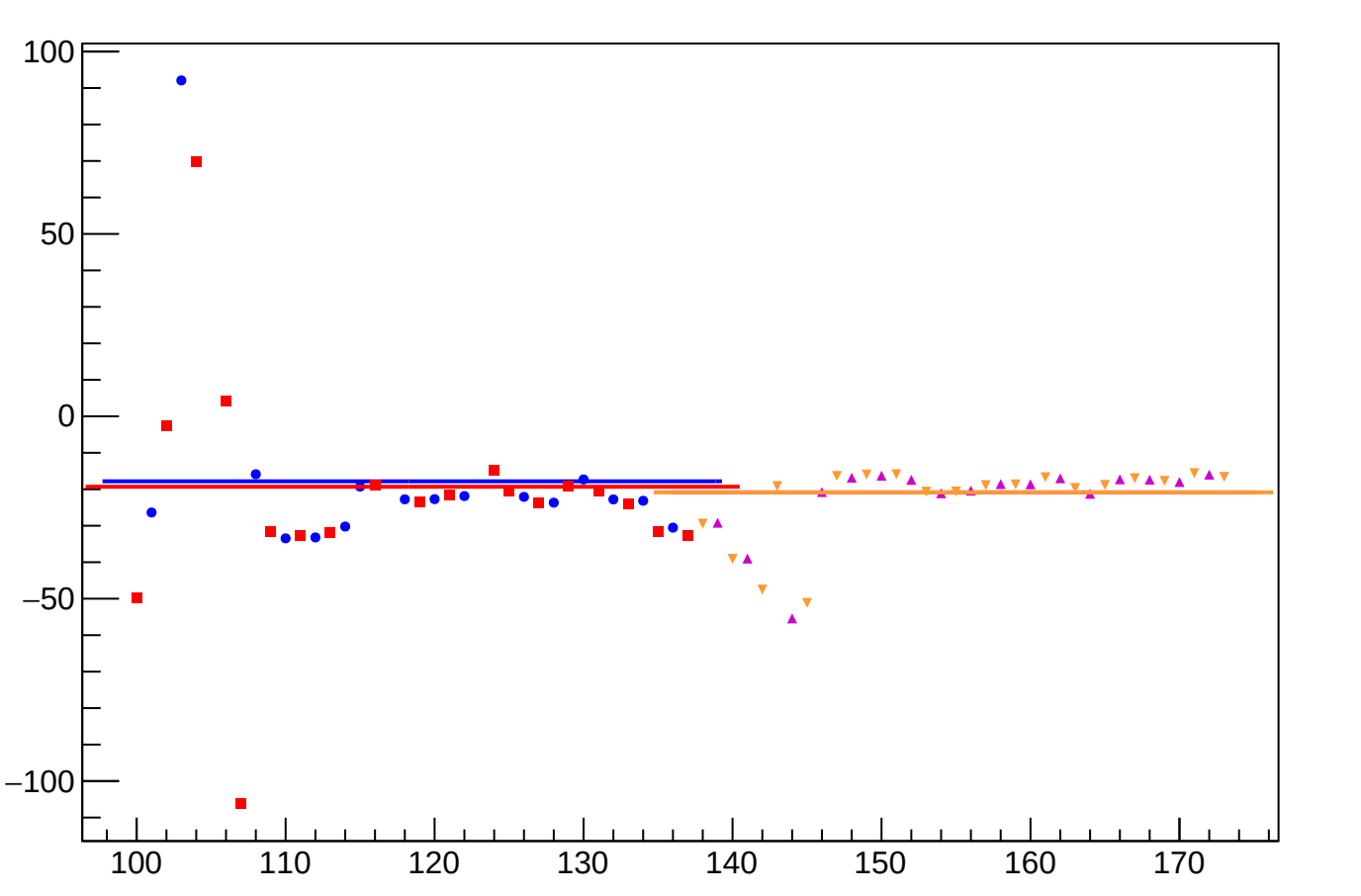
Left: -14.860+/-0.291 χ^2/NDF: 1067.7/35

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -20.499+/-0.361 χ^2/NDF:1992.4/32

Out: -20.224+/-0.350 χ^2/NDF:1781.8/37

All: -20.357+/-0.251 χ^2/NDF: 3774.5/70



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -20.853+/-0.018 χ^2/NDF:203461.6/18

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -20.850+/-0.019 χ^2/NDF:169133.2/16

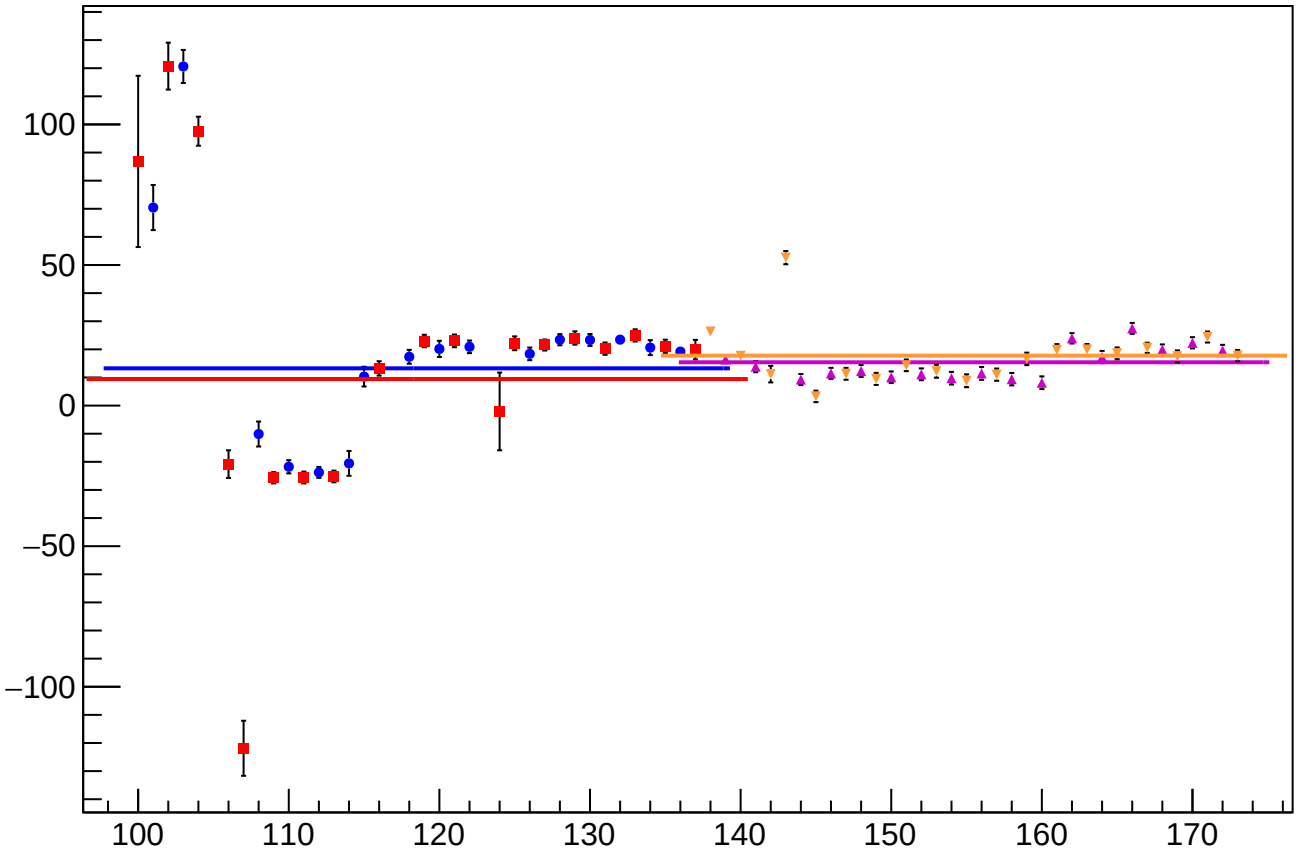
Left: -20.852+/-0.013 χ^2/NDF: 372594.8/35

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -20.371+/-0.017 χ^2/NDF:599382.4/32

Out: -20.644+/-0.017 χ^2/NDF:549056.4/37

All: -20.509+/-0.012 χ^2/NDF: 1148566.3/70



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 17.760+/-0.477 χ^2/NDF:371.0/18

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 15.404+/-0.492 χ^2/NDF:137.3/16

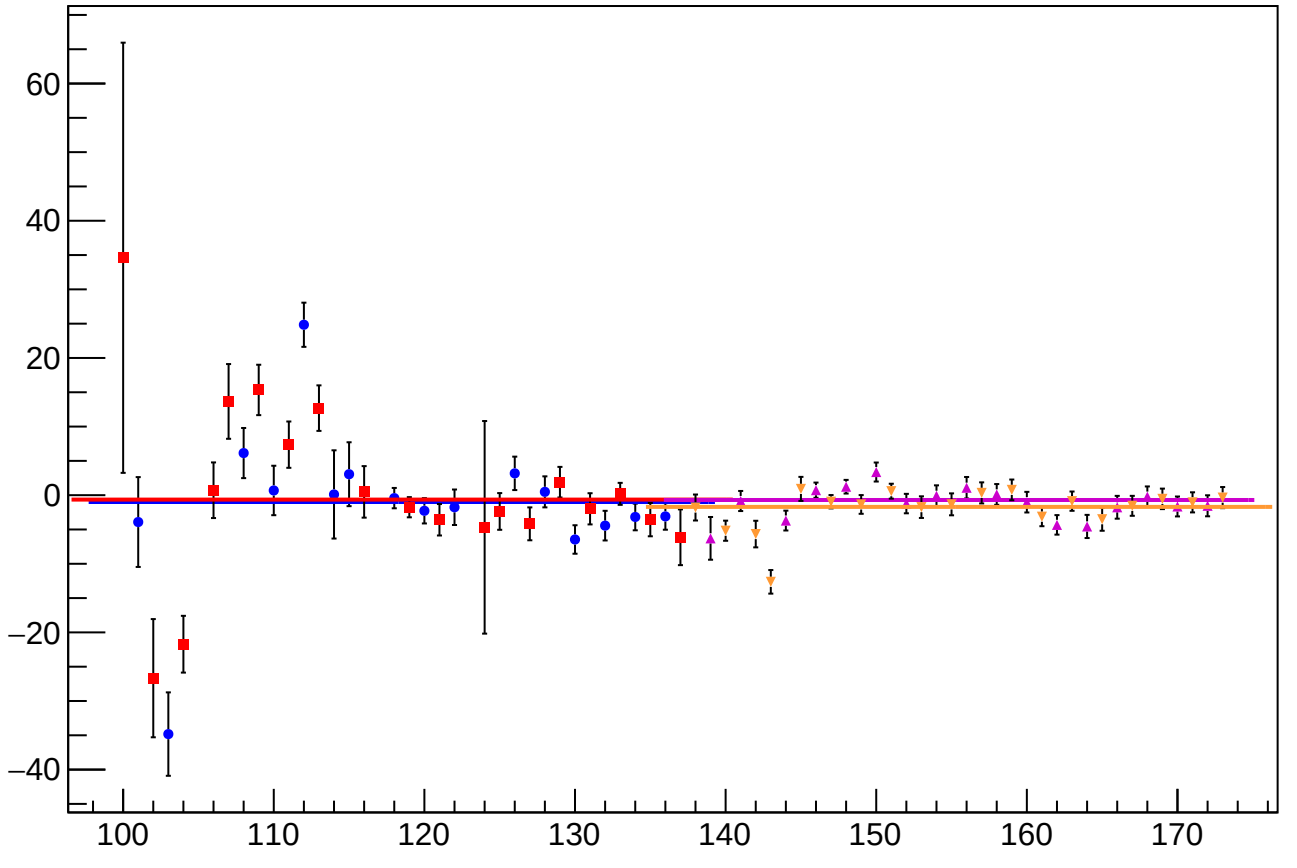
Left: 16.617+/-0.342 χ^2/NDF: 520.1/35

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 14.564+/-0.384 χ^2/NDF:1327.3/32

Out: 14.638+/-0.377 χ^2/NDF:2321.5/37

All: 14.601+/-0.269 χ^2/NDF: 3648.9/70



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -1.709+/-0.334 χ^2/NDF:66.2/18

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: -0.702+/-0.350 χ^2/NDF:36.6/16

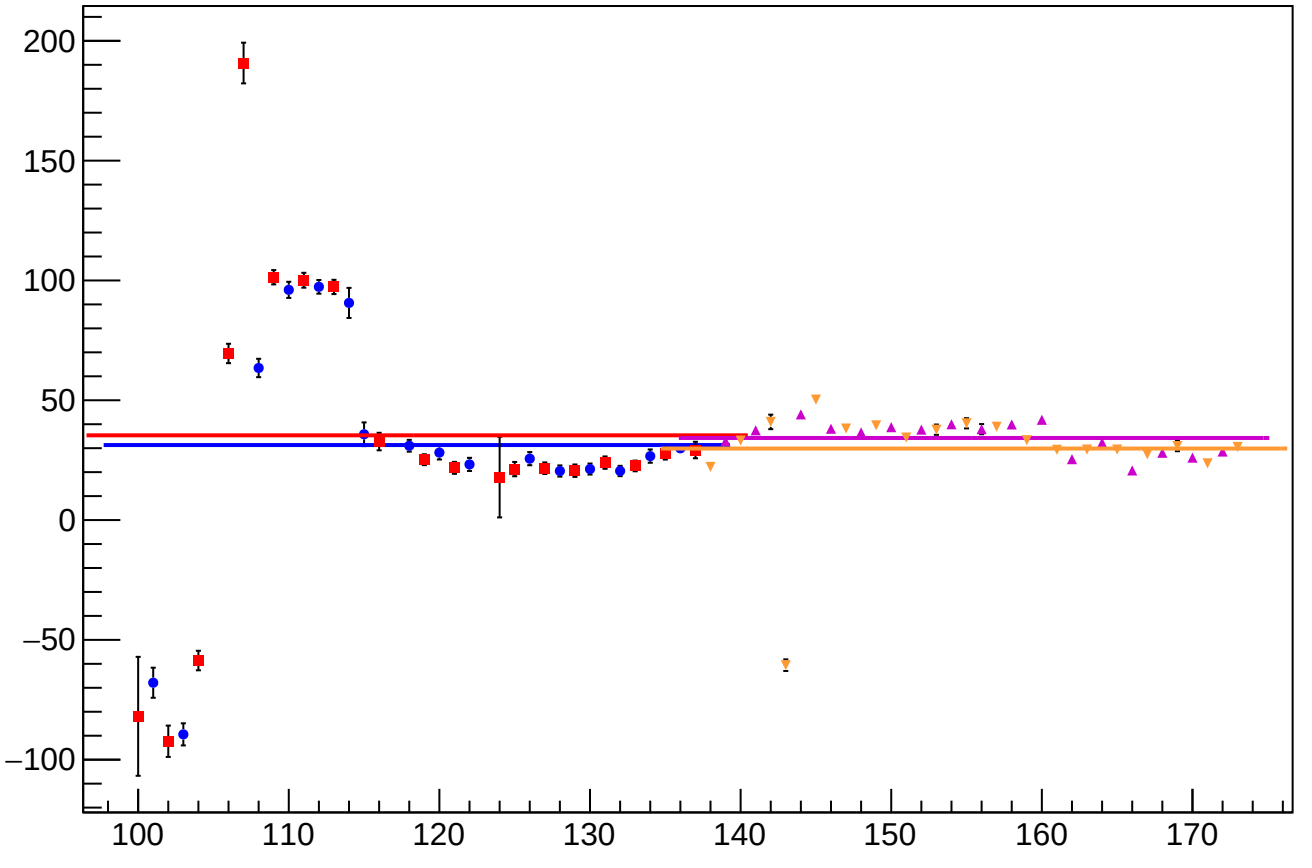
Left: -1.229+/-0.242 χ^2/NDF: 107.1/35

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -0.773+/-0.305 χ^2/NDF:153.1/32

Out: -1.479+/-0.296 χ^2/NDF:162.6/37

All: -1.136+/-0.212 χ^2/NDF: 318.5/70



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 29.854+/-0.468 χ^2/NDF:1638.6/18

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 34.260+/-0.480 χ^2/NDF:179.8/16

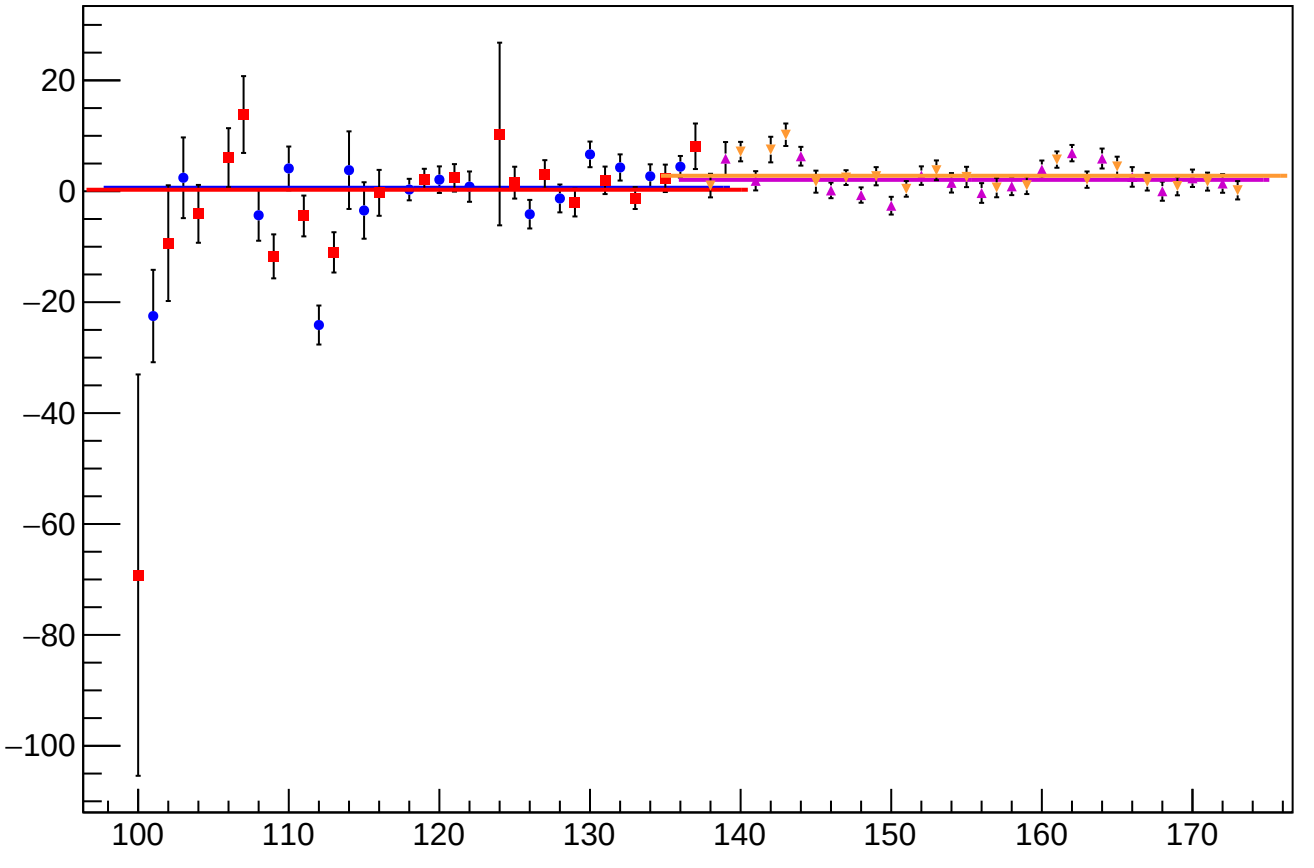
Left: 32.002+/-0.335 χ^2/NDF: 1861.5/35

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 33.316+/-0.396 χ^2/NDF:2277.7/32

Out: 31.502+/-0.392 χ^2/NDF:4577.7/37

All: 32.400+/-0.279 χ^2/NDF: 6866.0/70



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 2.797+/-0.385 χ^2/NDF:40.1/18

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 2.060+/-0.403 χ^2/NDF:43.1/16

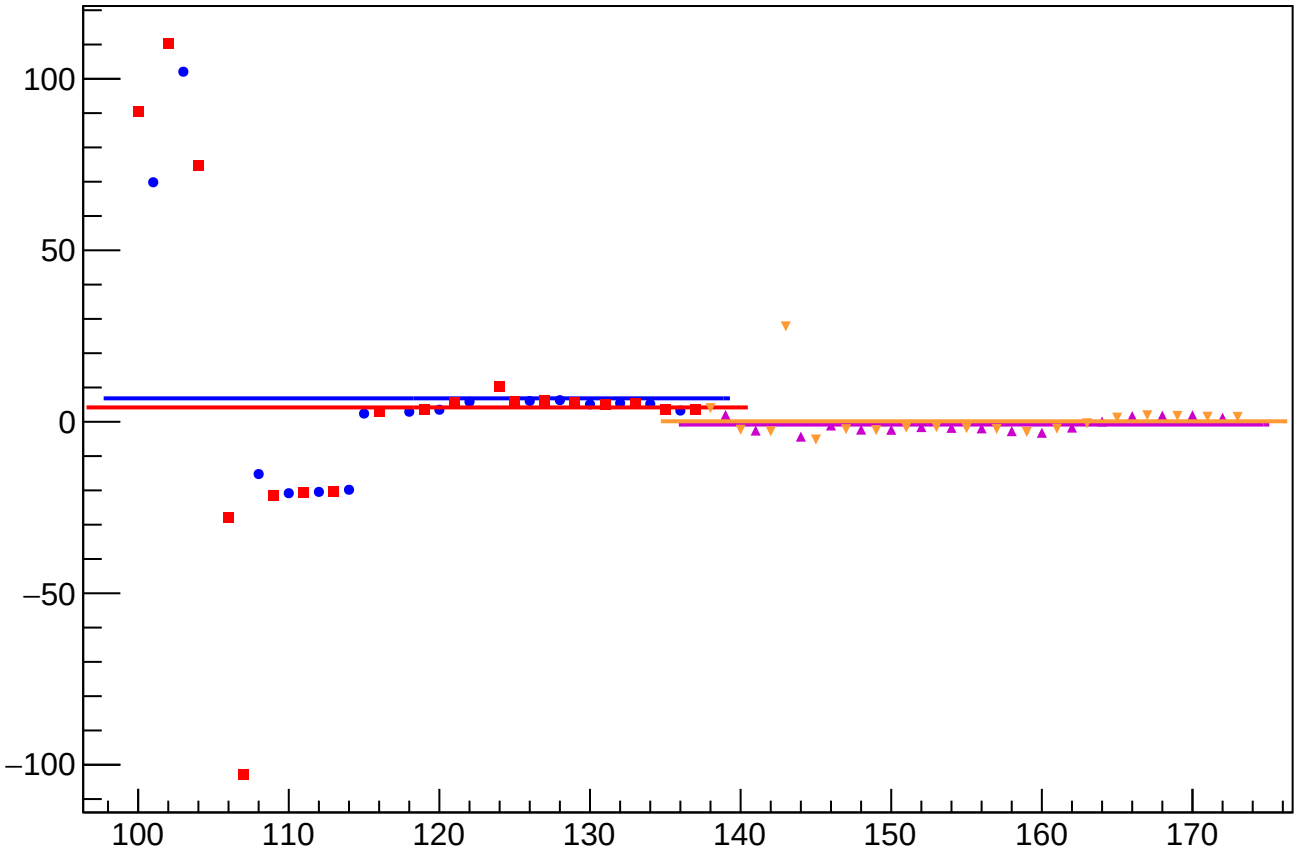
Left: 2.445+/-0.278 χ^2/NDF: 85.0/35

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 1.709+/-0.350 χ^2/NDF:124.6/32

Out: 2.243+/-0.340 χ^2/NDF:90.0/37

All: 1.983+/-0.244 χ^2/NDF: 215.8/70



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 0.148+/-0.017 χ^2/NDF:93569.6/18

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -0.806+/-0.018 χ^2/NDF:12133.8/16

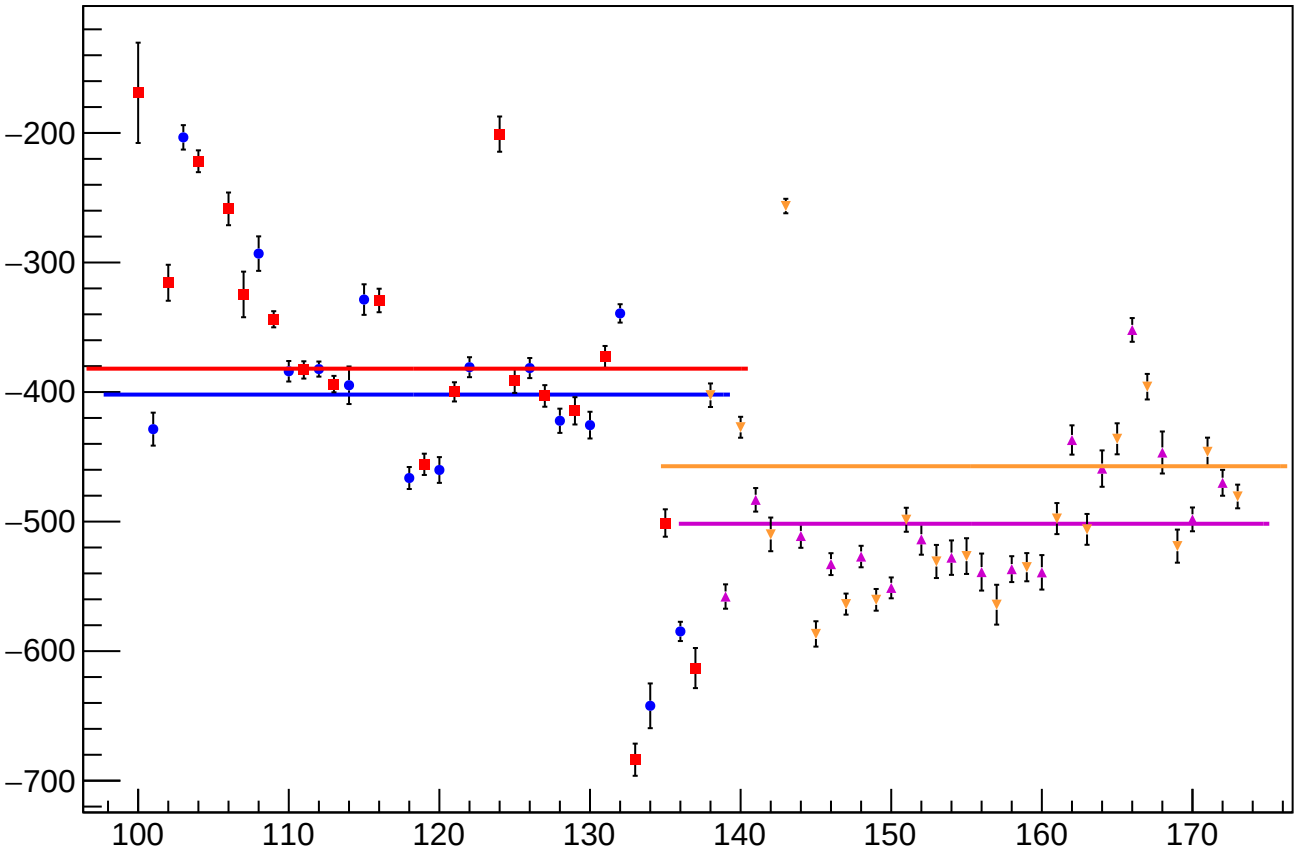
Left: -0.319+/-0.012 χ^2/NDF: 107177.5/35

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 0.315+/-0.016 χ^2/NDF:360249.8/32

Out: 0.648+/-0.016 χ^2/NDF:534796.8/37

All: 0.483+/-0.012 χ^2/NDF: 895254.0/70



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -457.264+/-2.244 χ^2/NDF:2135.9/18

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -501.672+/-2.477 χ^2/NDF:463.7/16

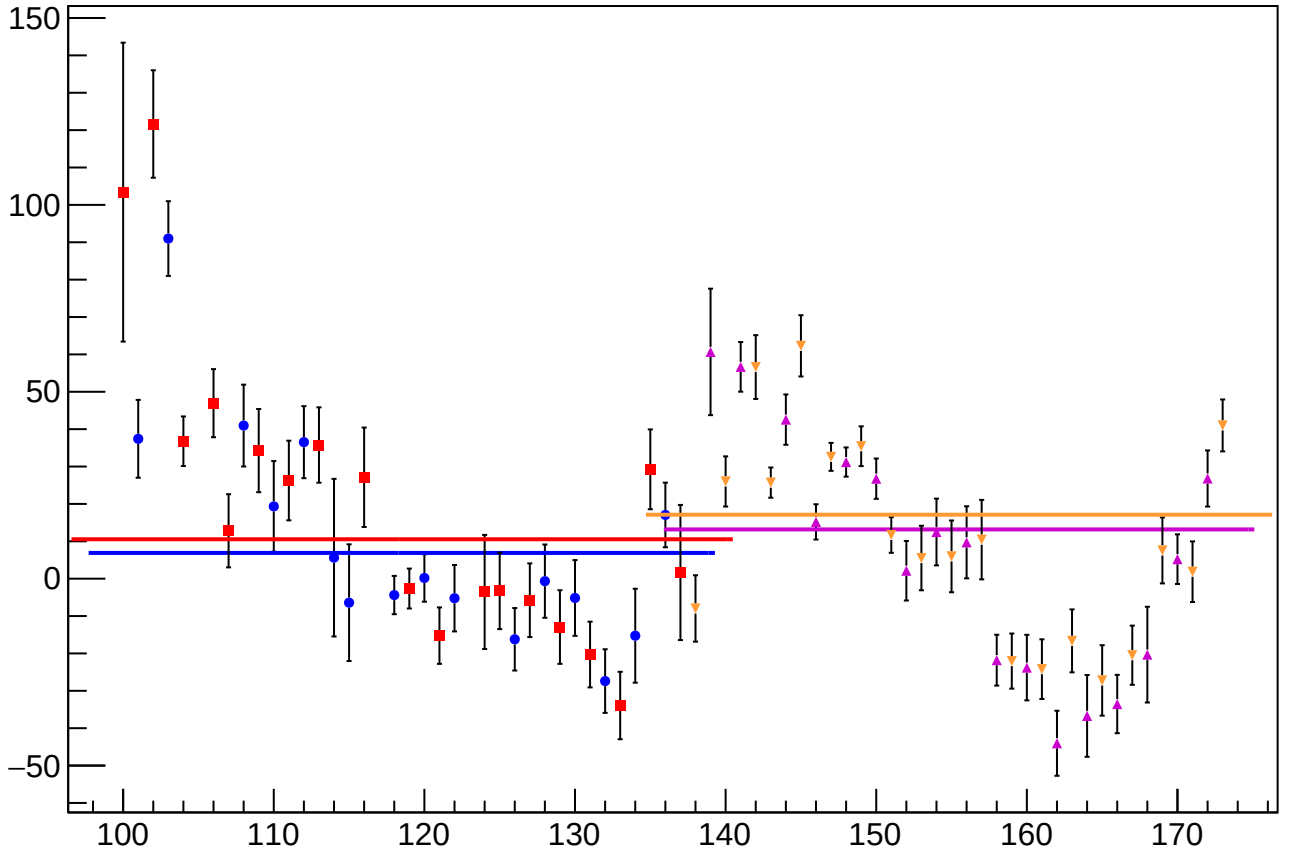
Left: -477.284+/-1.663 χ^2/NDF: 2776.1/35

Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -446.741+/-1.660 χ^2/NDF:2920.0/32

Out: -417.547+/-1.543 χ^2/NDF:4547.4/37

All: -431.079+/-1.130 χ^2/NDF: 7633.4/70



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 17.113+/-1.520 χ^2/NDF:232.2/18

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 13.178+/-1.687 χ^2/NDF:255.3/16

Left: 15.350+/-1.129 χ^2/NDF: 490.5/35

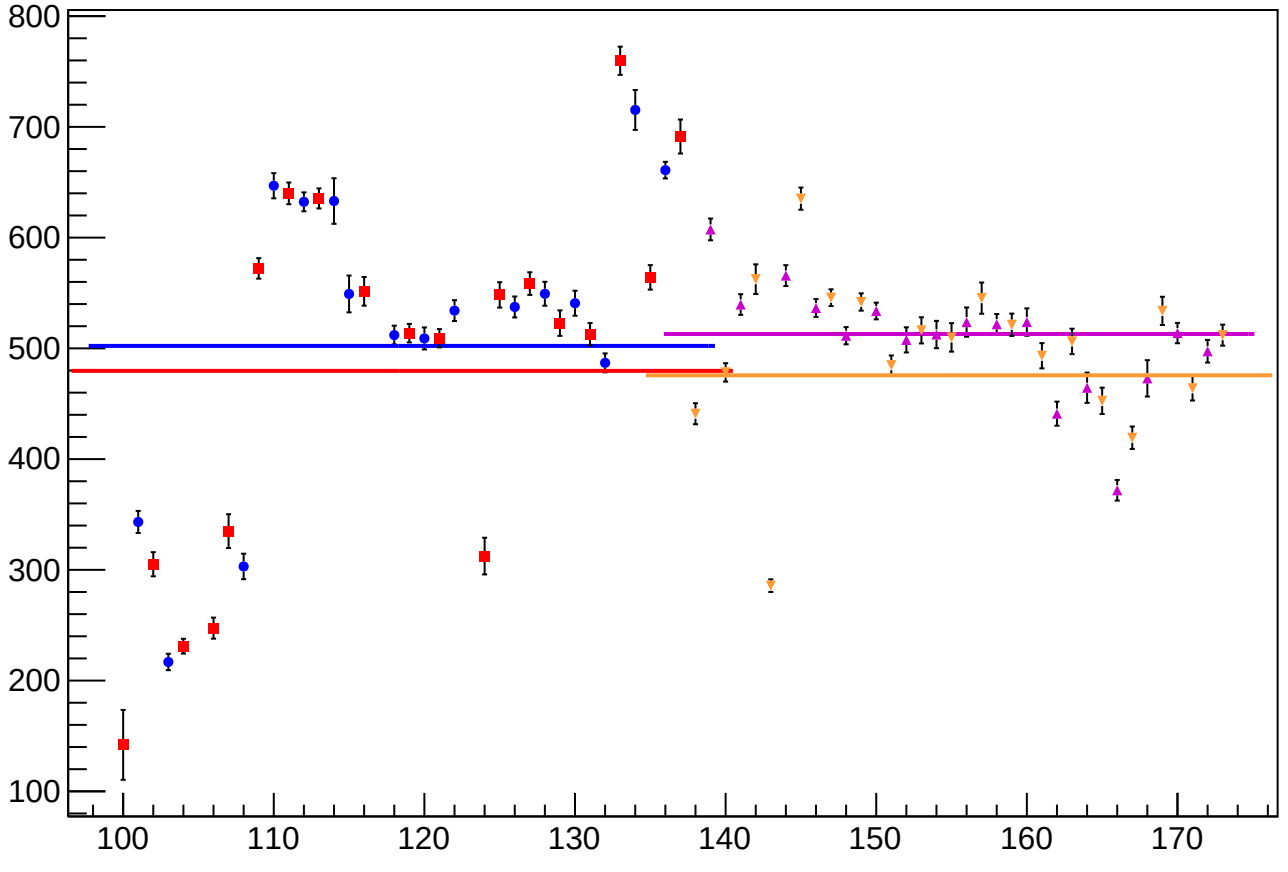
Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 10.933+/-1.353 χ^2/NDF:398.7/32

Out: 14.986+/-1.250 χ^2/NDF:418.3/37

All: 13.120+/-0.918 χ^2/NDF: 821.8/70

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 475.689+/-2.215 χ^2/NDF:1705.3/18

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 512.986+/-2.414 χ^2/NDF:443.8/16

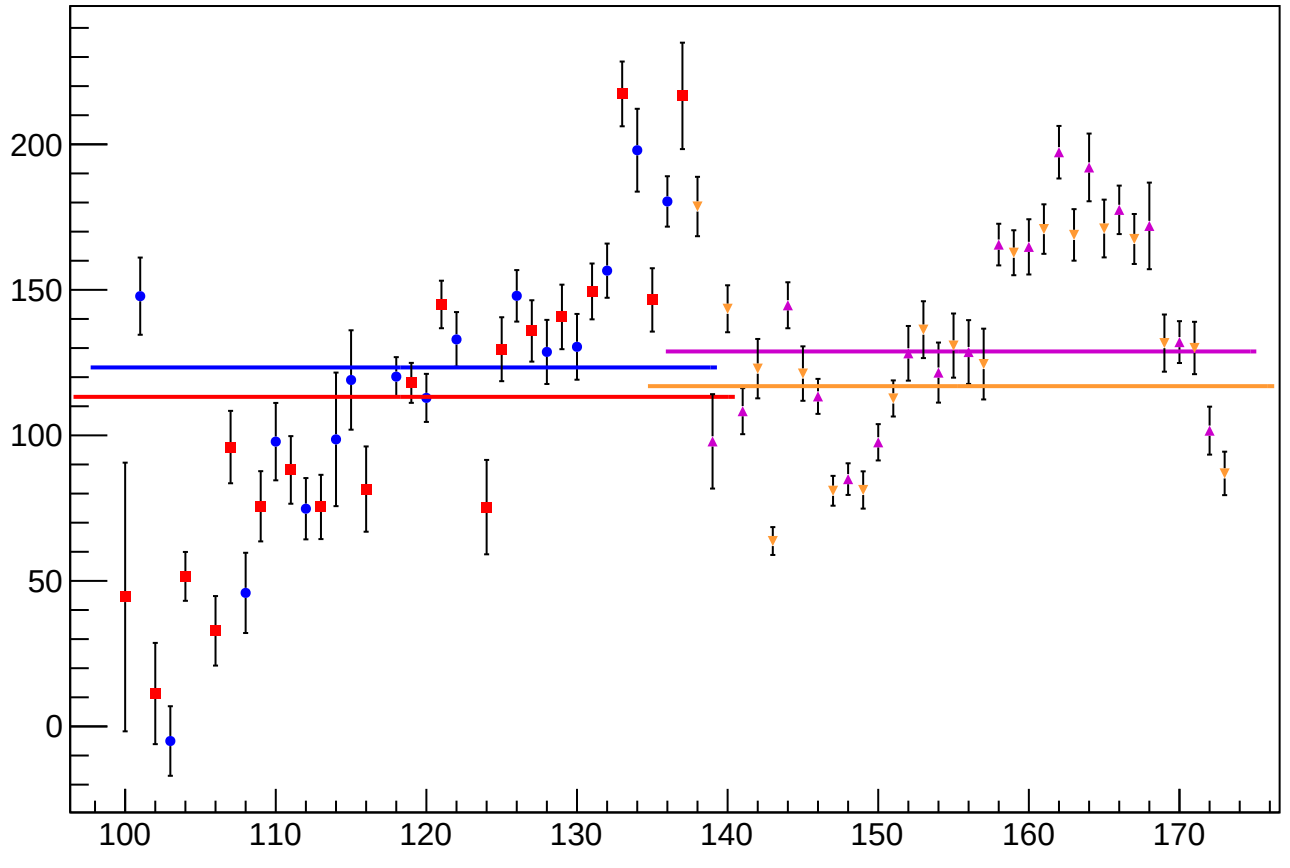
Left: 492.735+/-1.632 χ^2/NDF: 2278.8/35

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 507.773+/-1.734 χ^2/NDF:3588.6/32

Out: 477.525+/-1.627 χ^2/NDF:5845.3/37

All: 491.689+/-1.187 χ^2/NDF: 9595.8/70



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 116.909+/-1.792 χ^2/NDF:453.1/18

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 128.832+/-1.979 χ^2/NDF:293.0/16

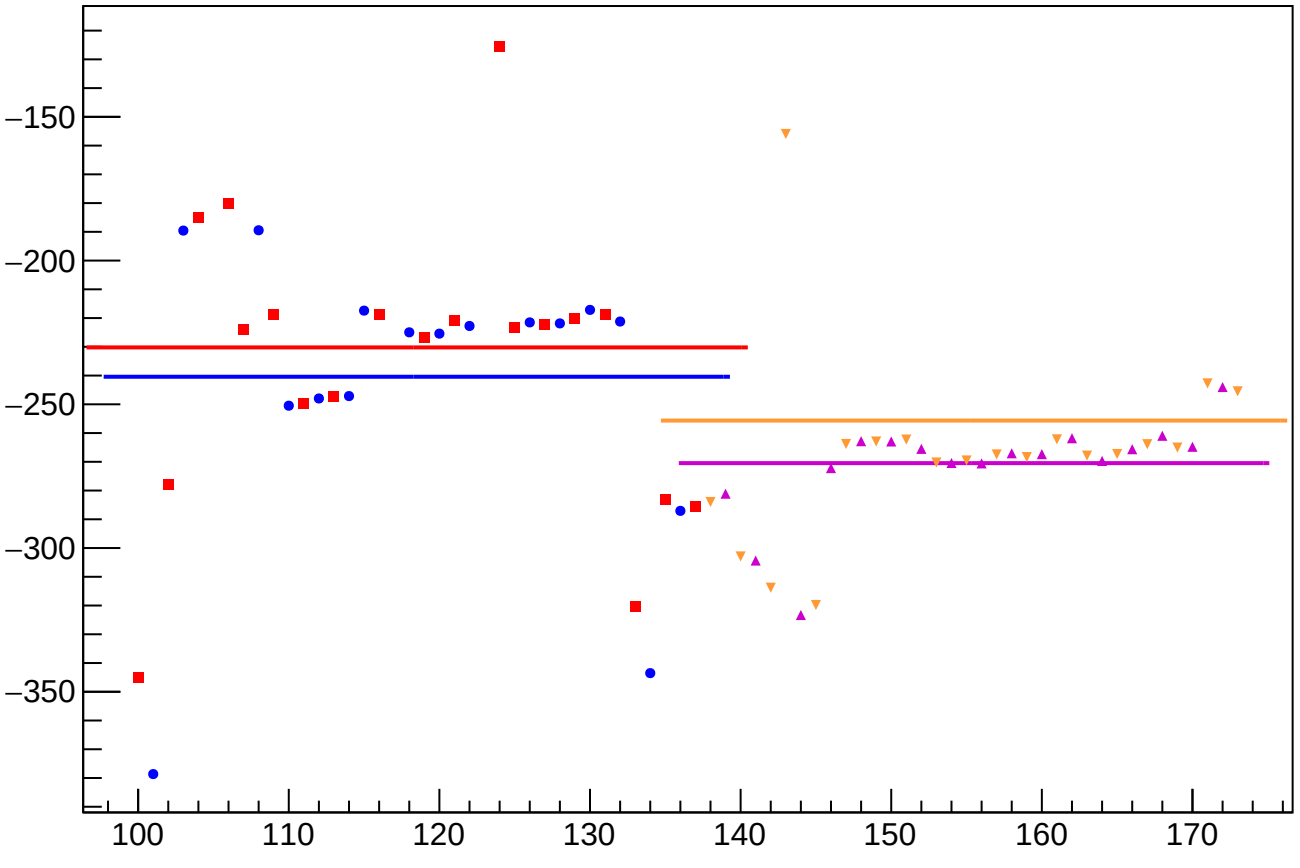
Left: 122.283+/-1.328 χ^2/NDF: 766.1/35

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 126.845+/-1.581 χ^2/NDF:567.1/32

Out: 115.691+/-1.465 χ^2/NDF:800.3/37

All: 120.847+/-1.075 χ^2/NDF: 1394.2/70



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -255.655+/-0.085 χ^2/NDF:243223.1/18

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -270.461+/-0.091 χ^2/NDF:32998.5/16

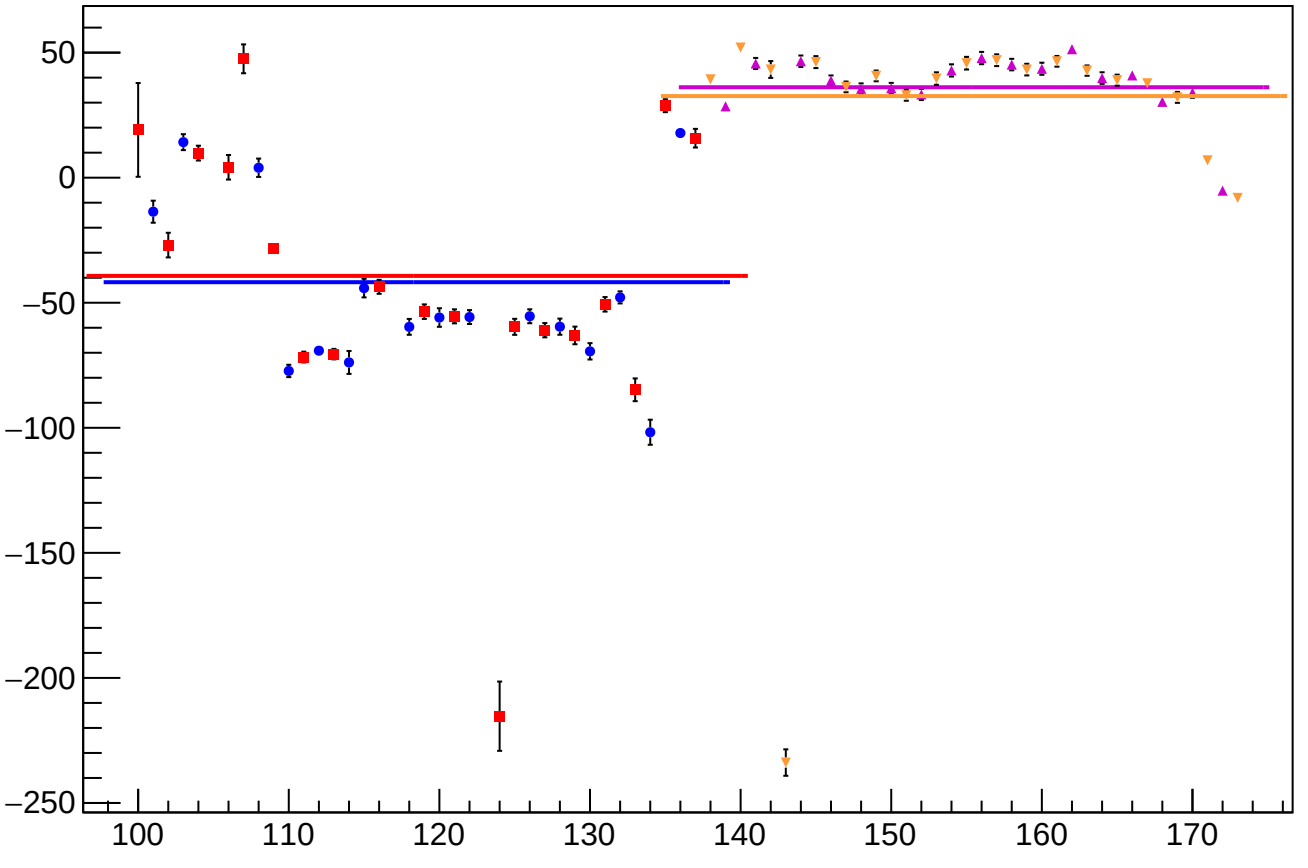
Left: -262.557+/-0.062 χ^2/NDF: 290257.9/35

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -262.385+/-0.078 χ^2/NDF:196257.7/32

Out: -249.209+/-0.074 χ^2/NDF:349186.6/37

All: -255.419+/-0.054 χ^2/NDF: 560497.0/70



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 32.624+/-0.508 χ^2/NDF:3543.6/18

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 36.158+/-0.517 χ^2/NDF:678.1/16

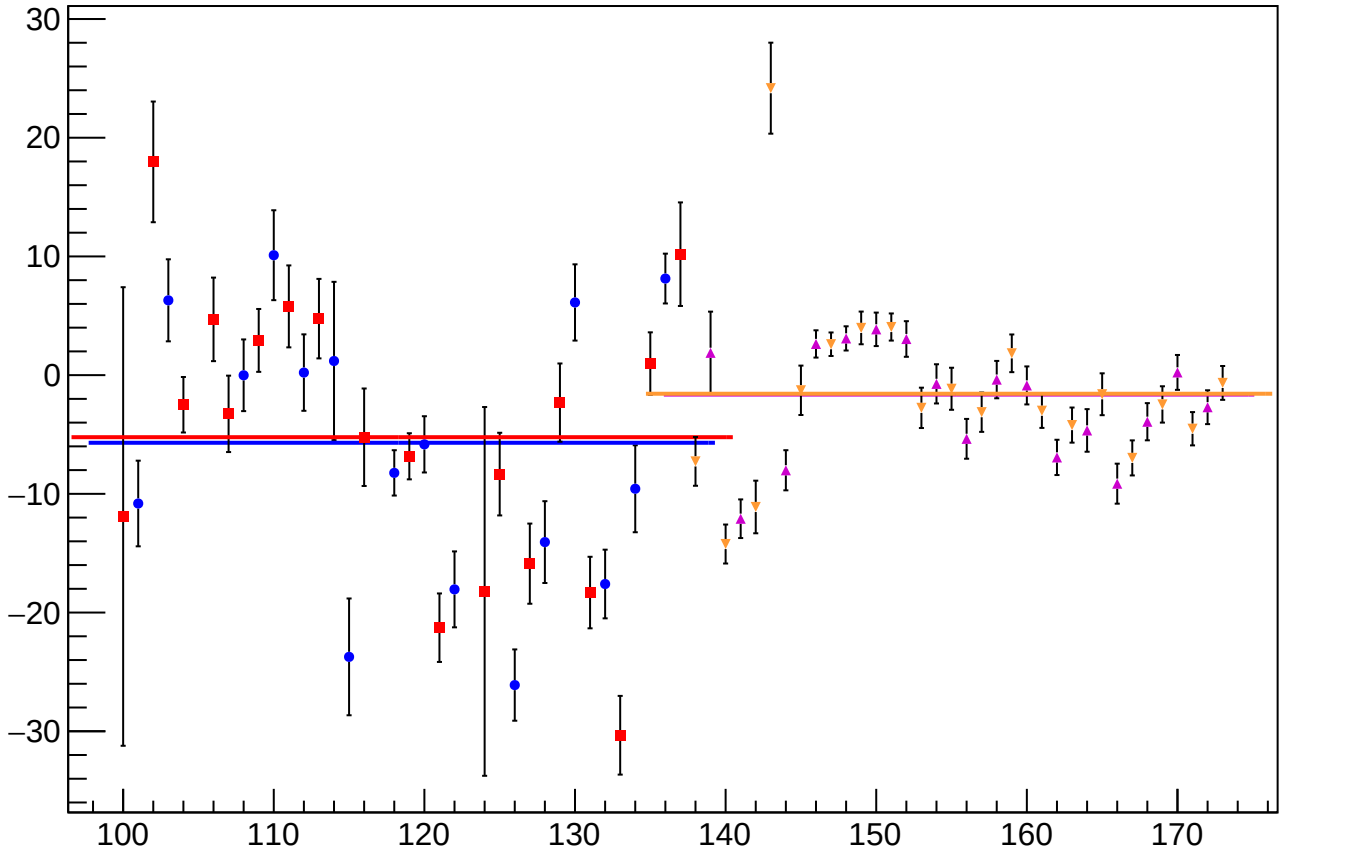
Left: 34.360+/-0.363 χ^2/NDF: 4245.4/35

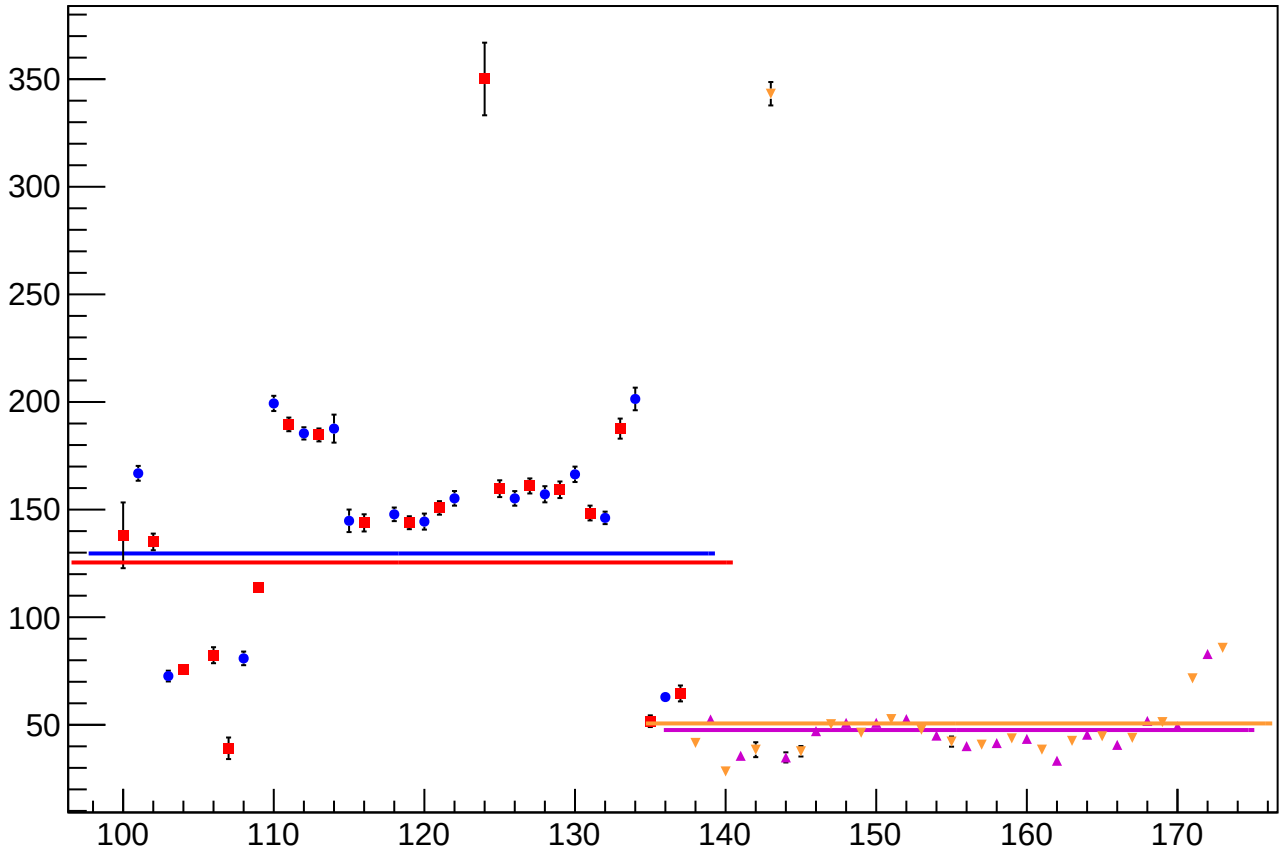
Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: 9.763+/-0.421 χ^2/NDF:10767.7/32

Out: 6.833+/-0.407 χ^2/NDF:13195.8/37

All: 8.249+/-0.293 χ^2/NDF: 23988.6/70


reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
160
170
Right In: -5.697+/-0.753 χ²/NDF: 196.7/15
Left Out: -1.567+/-0.354 χ²/NDF:217.7/18
Right Out: -5.227+/-0.740 χ²/NDF: 197.3/18
Left In: -1.640+/-0.366 χ²/NDF:162.6/16
Left: -1.602+/-0.254 χ²/NDF: 380.3/35
Right: -5.458+/-0.528 χ²/NDF: 394.3/34
In: -2.415+/-0.329 χ²/NDF:382.8/32
Out: -2.248+/-0.319 χ²/NDF:435.0/37
All: -2.329+/-0.229 χ²/NDF: 817.9/70



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 50.639+/-0.498 χ^2/NDF:3650.8/18

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 47.578+/-0.505 χ^2/NDF:515.0/16

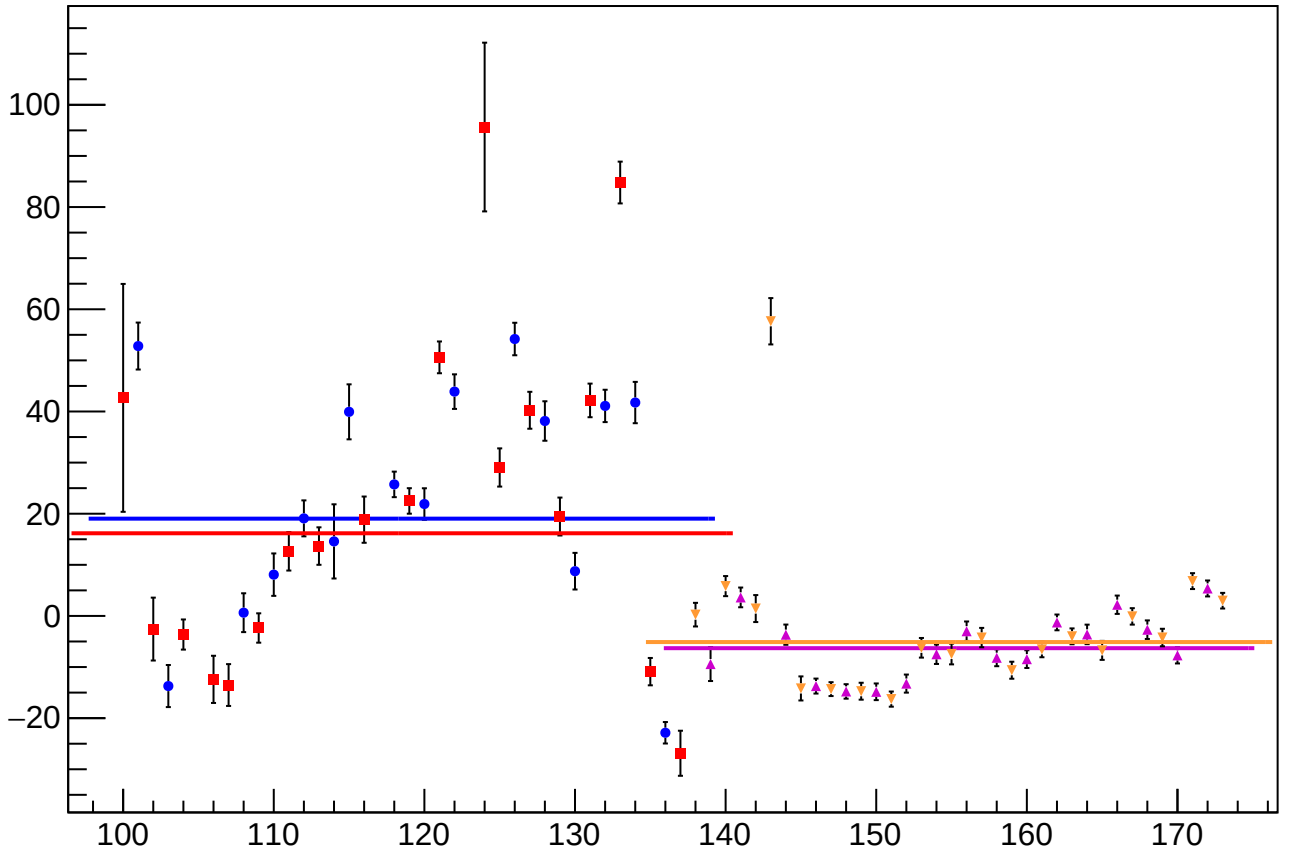
Left: 49.129+/-0.355 χ^2/NDF: 4184.4/35

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 70.941+/-0.427 χ^2/NDF:11649.9/32

Out: 71.945+/-0.422 χ^2/NDF:13567.7/37

All: 71.450+/-0.300 χ^2/NDF: 25220.4/70



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -5.109+/-0.407 χ^2/NDF:497.3/18

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -6.309+/-0.421 χ^2/NDF:235.3/16

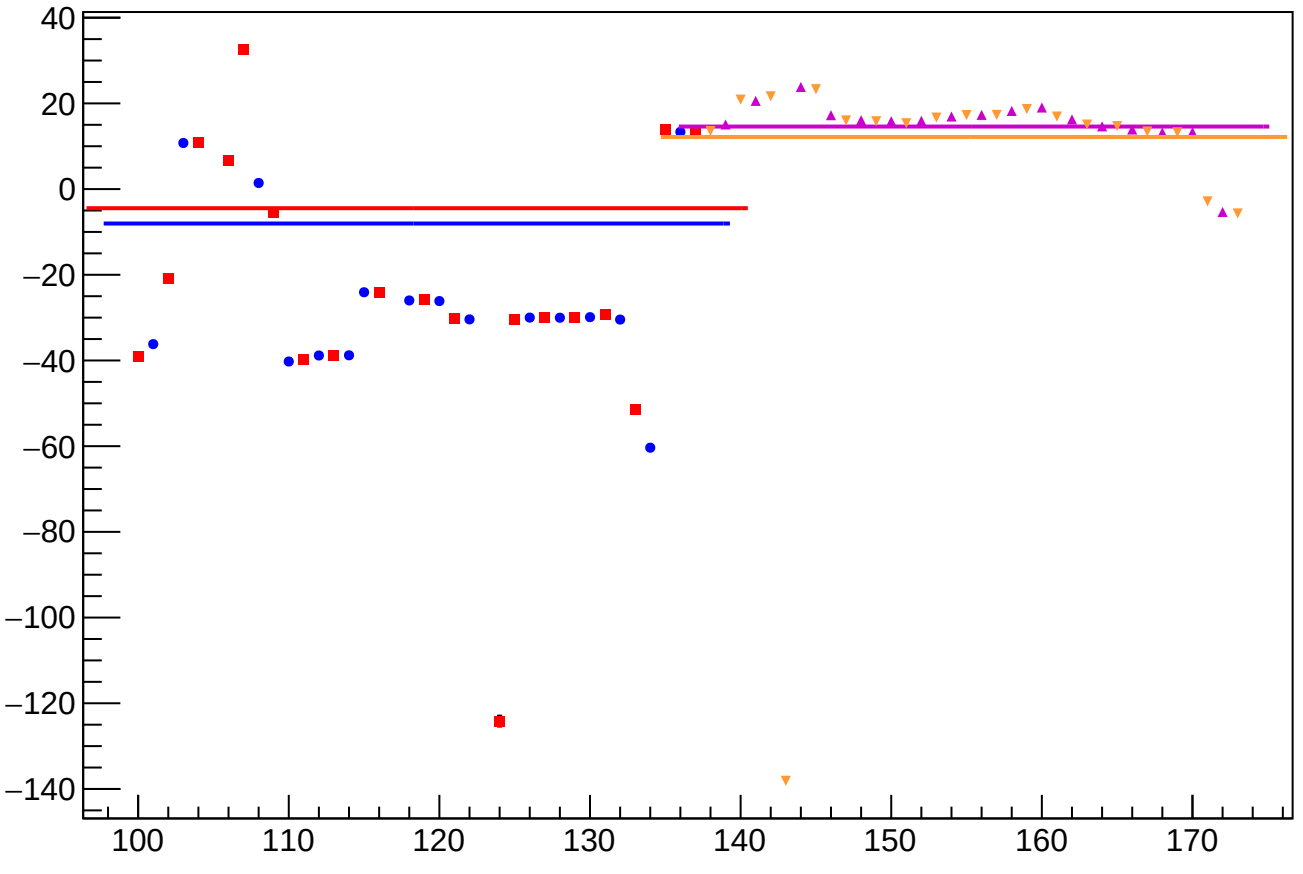
Left: -5.689+/-0.293 χ^2/NDF: 736.8/35

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: -1.407+/-0.378 χ^2/NDF:1794.0/32

Out: -1.105+/-0.367 χ^2/NDF:1952.4/37

All: -1.251+/-0.263 χ^2/NDF: 3746.8/70



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 12.164+/-0.018 χ^2/NDF:625900.1/18

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 14.594+/-0.019 χ^2/NDF:115714.1/16

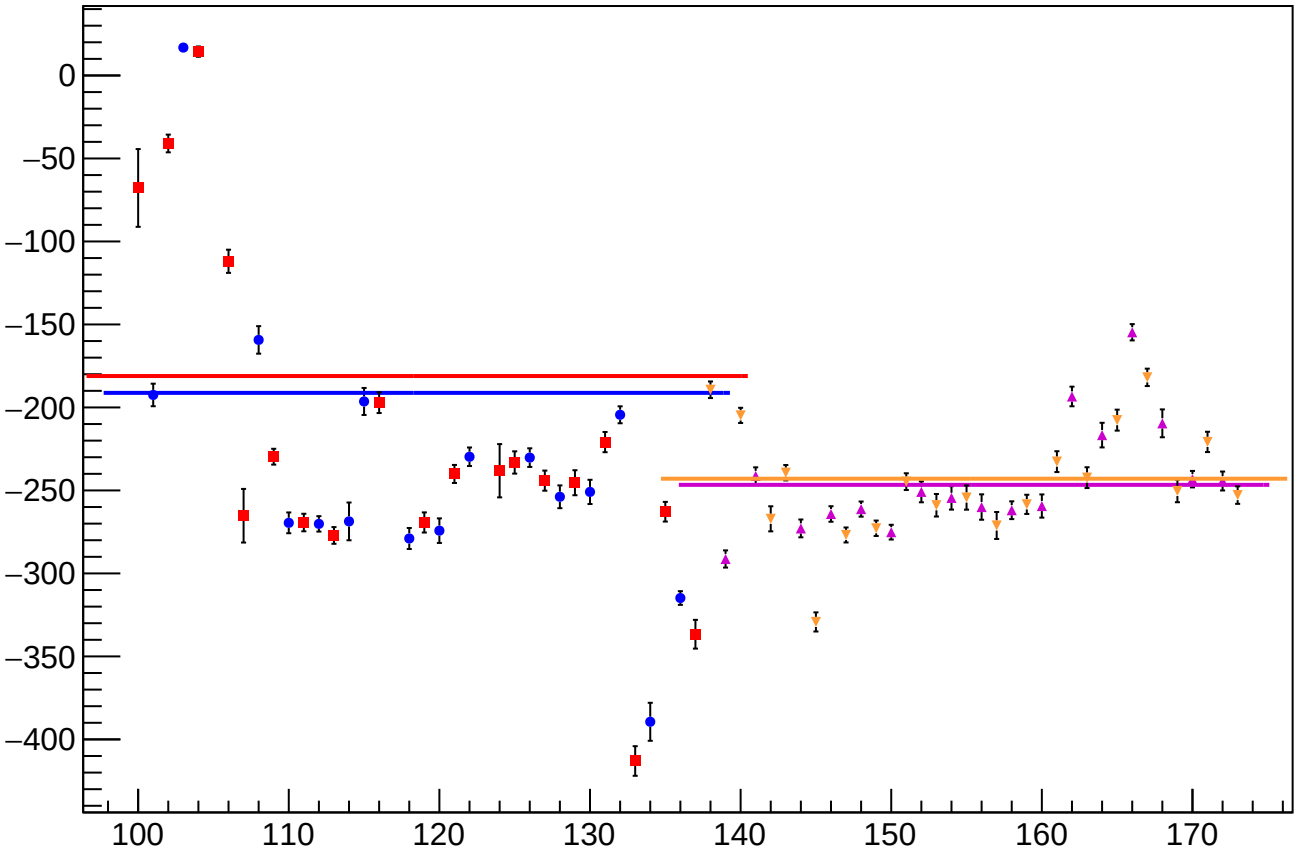
Left: 13.363+/-0.013 χ^2/NDF: 750218.6/35

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 11.380+/-0.017 χ^2/NDF:592839.6/32

Out: 9.939+/-0.017 χ^2/NDF:963629.9/37

All: 10.653+/-0.012 χ^2/NDF: 1559978.9/70



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -242.934+/-1.292 χ^2/NDF:731.3/18

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -246.638+/-1.354 χ^2/NDF:649.0/16

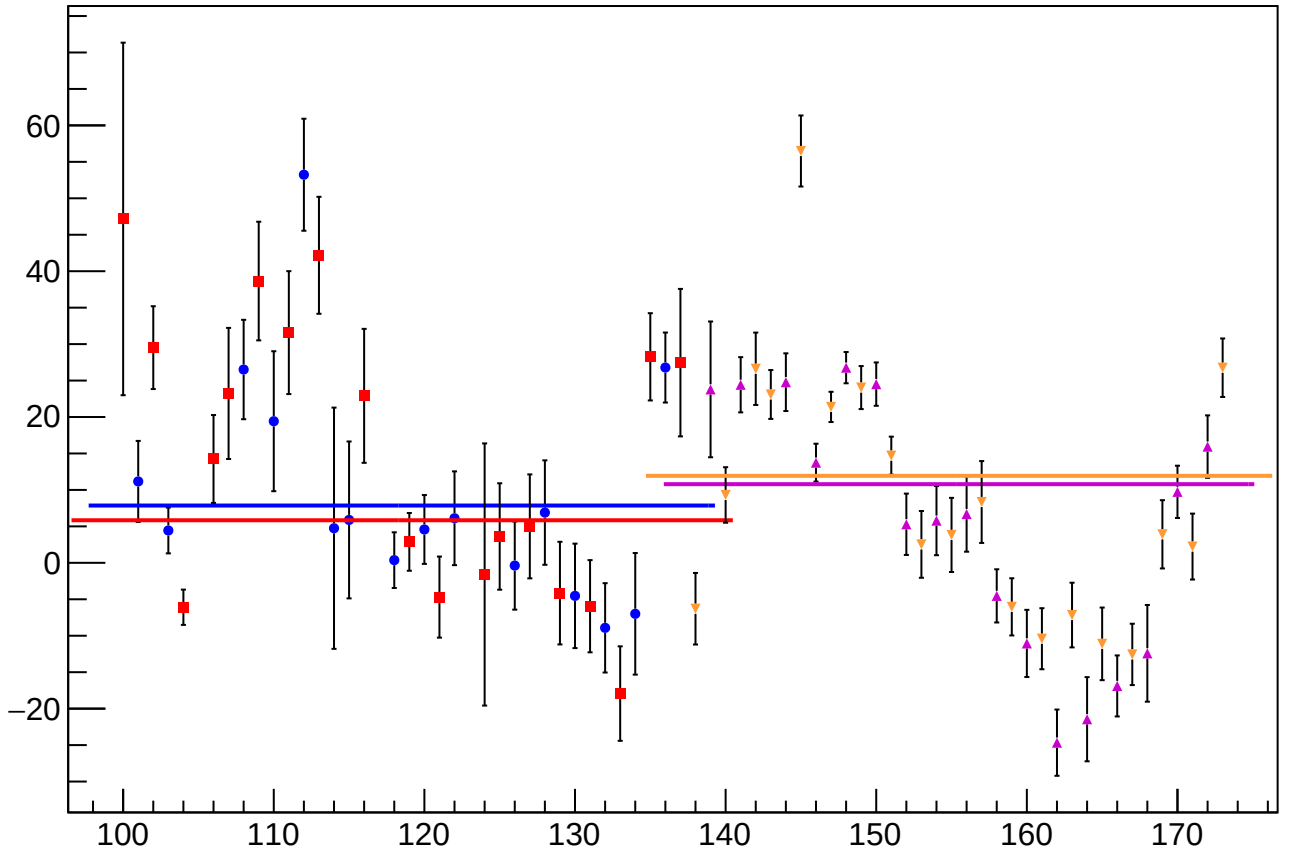
Left: -244.700+/-0.935 χ^2/NDF: 1384.2/35

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -220.222+/-0.979 χ^2/NDF:8672.2/32

Out: -214.094+/-0.944 χ^2/NDF:9173.6/37

All: -217.045+/-0.680 χ^2/NDF: 17866.1/70



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 11.935+/-0.870 χ^2/NDF:308.1/18

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 10.789+/-0.922 χ^2/NDF:298.7/16

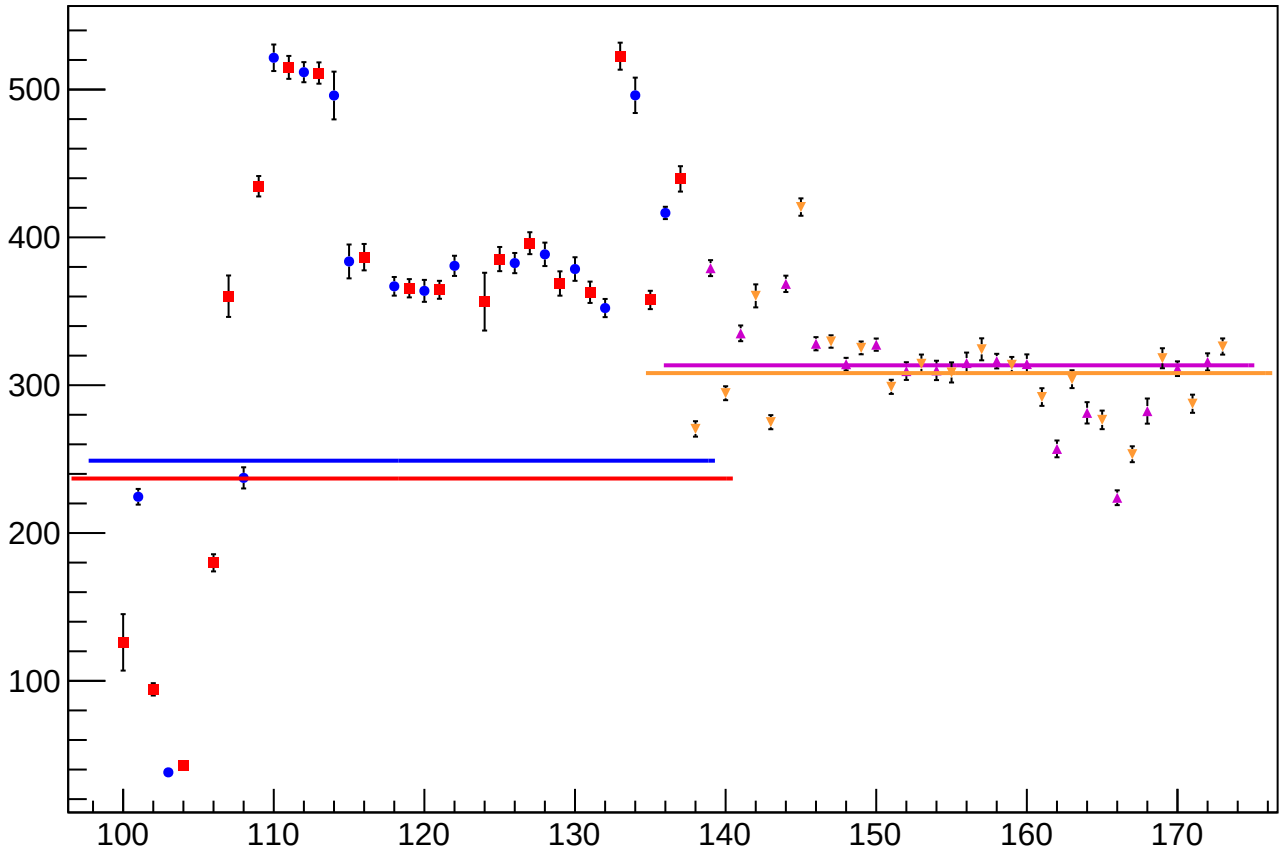
Left: 11.395+/-0.633 χ^2/NDF: 607.6/35

Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 9.935+/-0.776 χ^2/NDF:382.5/32

Out: 10.156+/-0.732 χ^2/NDF:464.3/37

All: 10.052+/-0.533 χ^2/NDF: 846.8/70



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 308.186+/-1.268 χ^2/NDF:732.1/18

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 313.447+/-1.318 χ^2/NDF:739.6/16

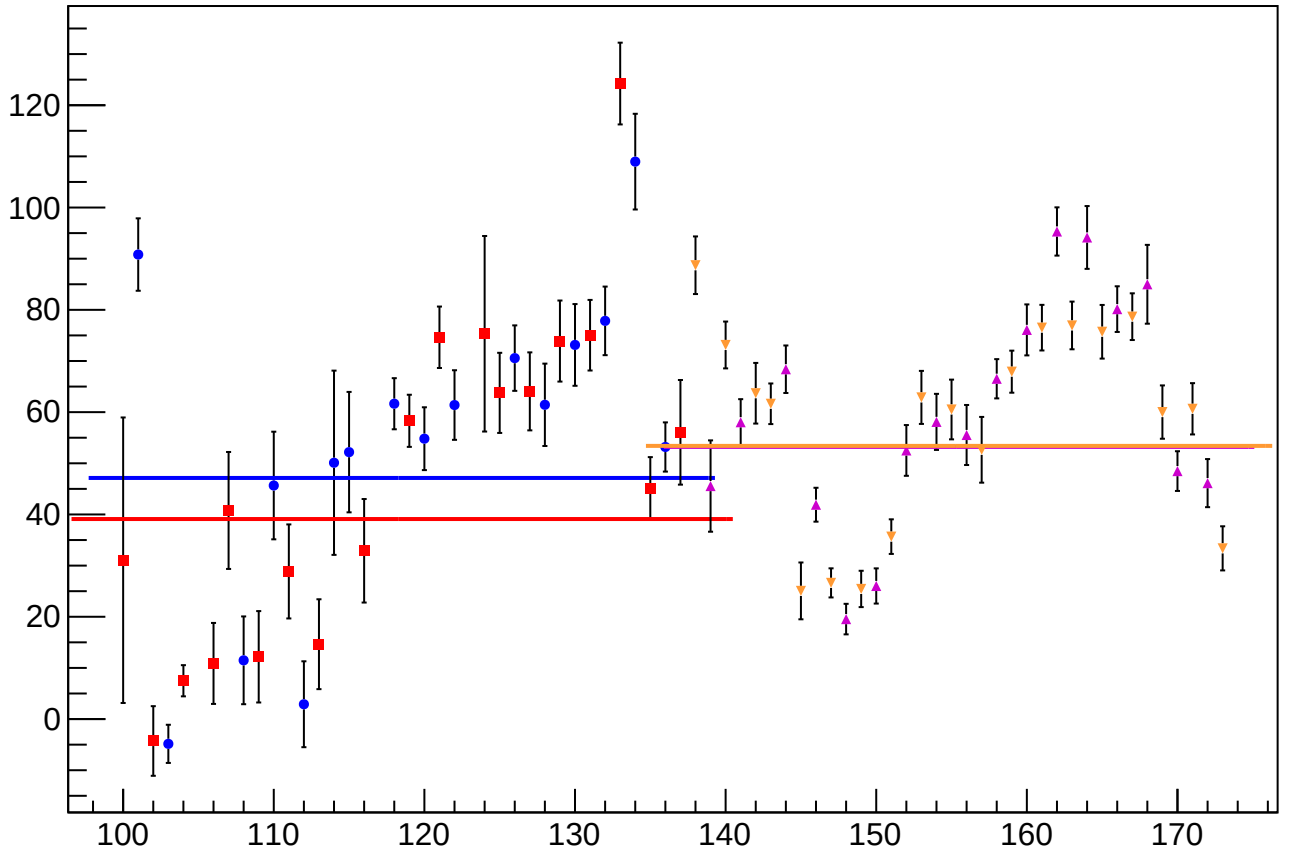
Left: 310.716+/-0.914 χ^2/NDF: 1479.9/35

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 283.628+/-0.967 χ^2/NDF:17149.2/32

Out: 276.205+/-0.942 χ^2/NDF:17807.0/37

All: 279.821+/-0.675 χ^2/NDF: 34986.4/70



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 53.406+/-1.023 χ^2/NDF:413.0/18

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 53.206+/-1.080 χ^2/NDF:429.3/16

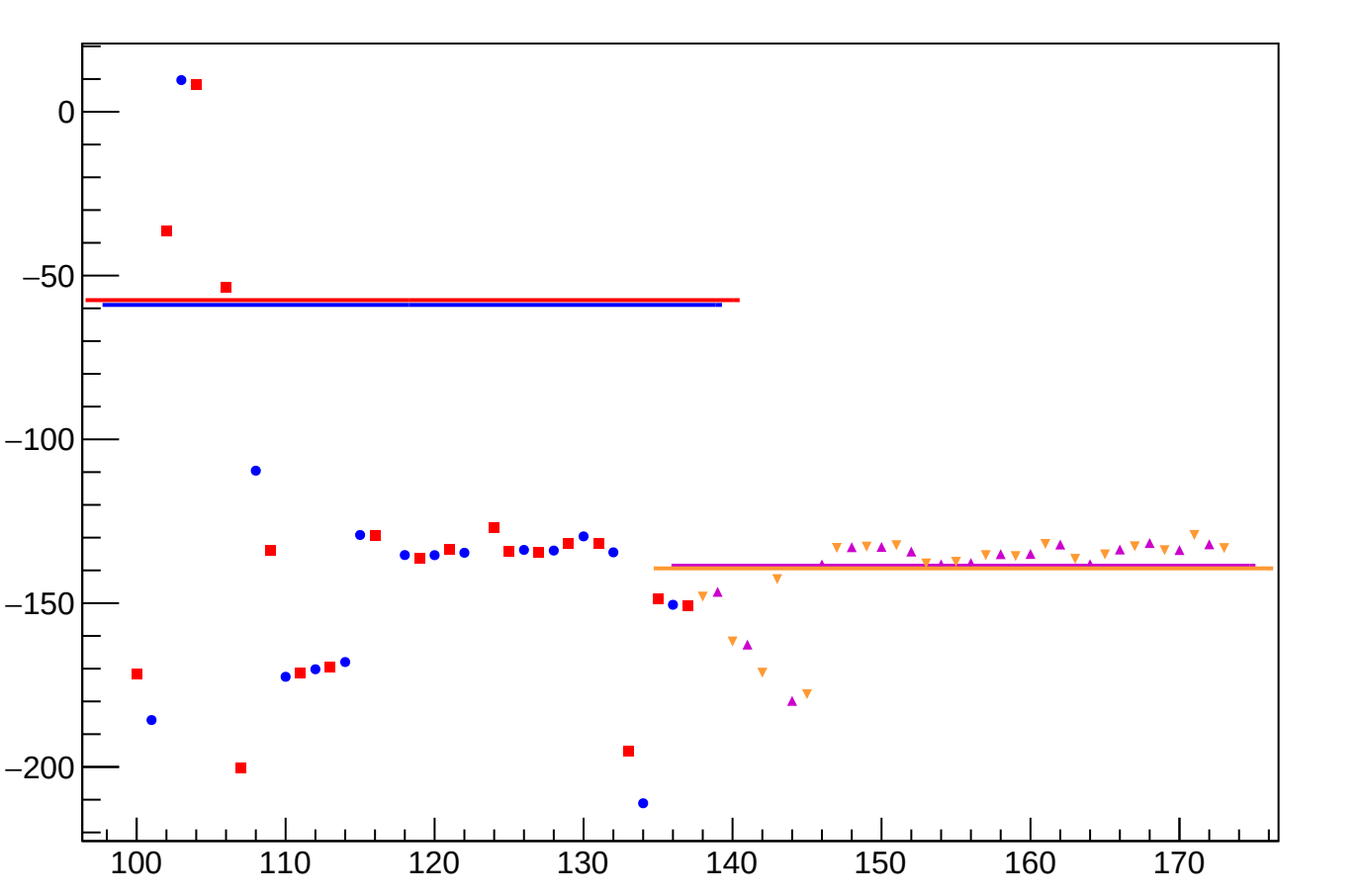
Left: 53.311+/-0.743 χ^2/NDF: 842.3/35

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 51.413+/-0.907 χ^2/NDF:824.0/32

Out: 49.238+/-0.862 χ^2/NDF:886.3/37

All: 50.270+/-0.625 χ^2/NDF: 1713.3/70



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -139.384+/-0.048 χ^2/NDF:61898.4/18

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -138.574+/-0.050 χ^2/NDF:48895.9/16

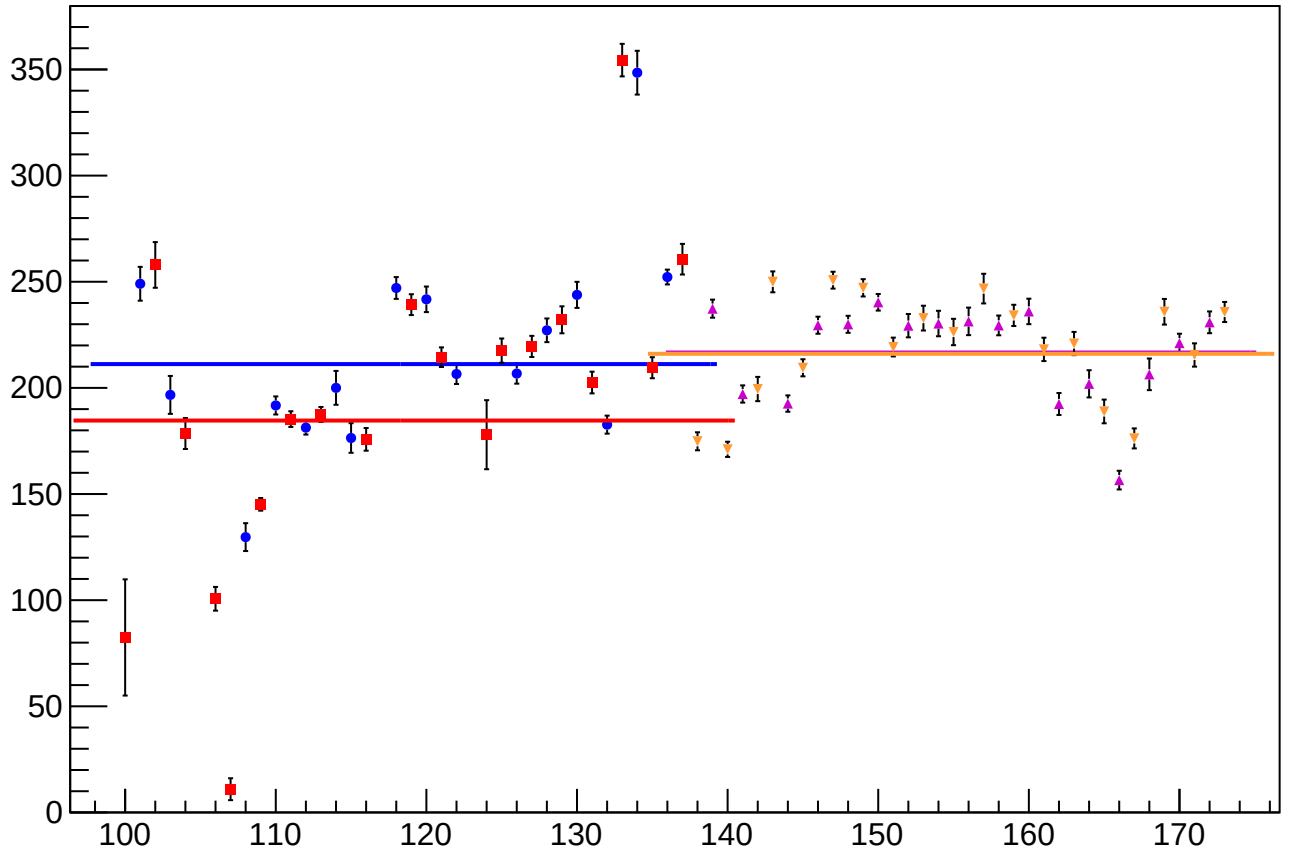
Left: -138.990+/-0.035 χ^2/NDF: 110930.9/35

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -113.178+/-0.041 χ^2/NDF:2094884.9/32

Out: -114.987+/-0.041 χ^2/NDF:1786864.9/37

All: -114.093+/-0.029 χ^2/NDF: 3882733.7/70



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 216.056+/-1.114 χ^2/NDF:612.9/18

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 216.671+/-1.153 χ^2/NDF:401.1/16

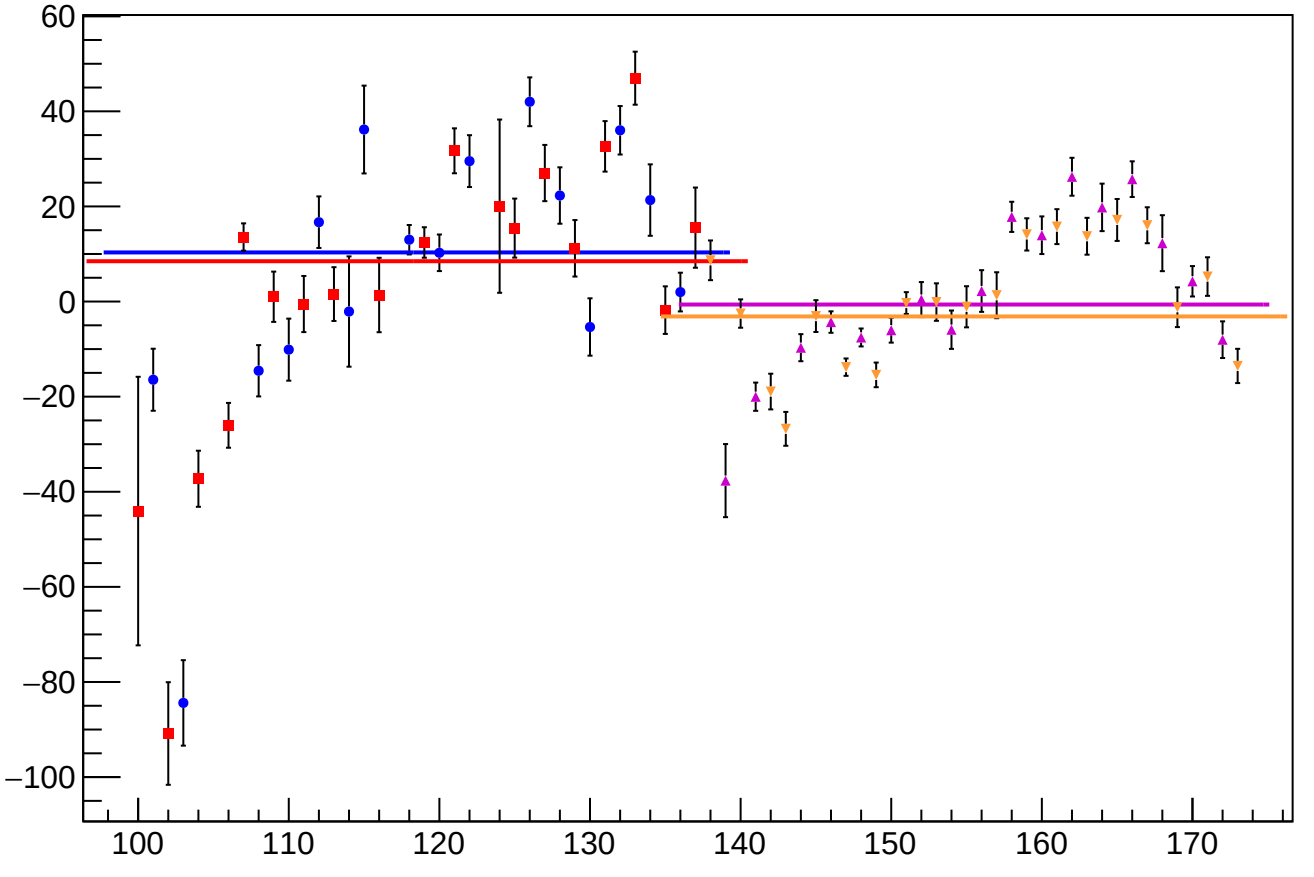
Left: 216.353+/-0.801 χ^2/NDF: 1014.1/35

Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 214.257+/-0.861 χ^2/NDF:1194.0/32

Out: 201.420+/-0.815 χ^2/NDF:3524.0/37

All: 207.480+/-0.592 χ^2/NDF: 4835.2/70



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -3.137+/-0.755 χ^2/NDF:260.5/18

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

Left In: -0.629+/-0.792 χ^2/NDF:268.3/16

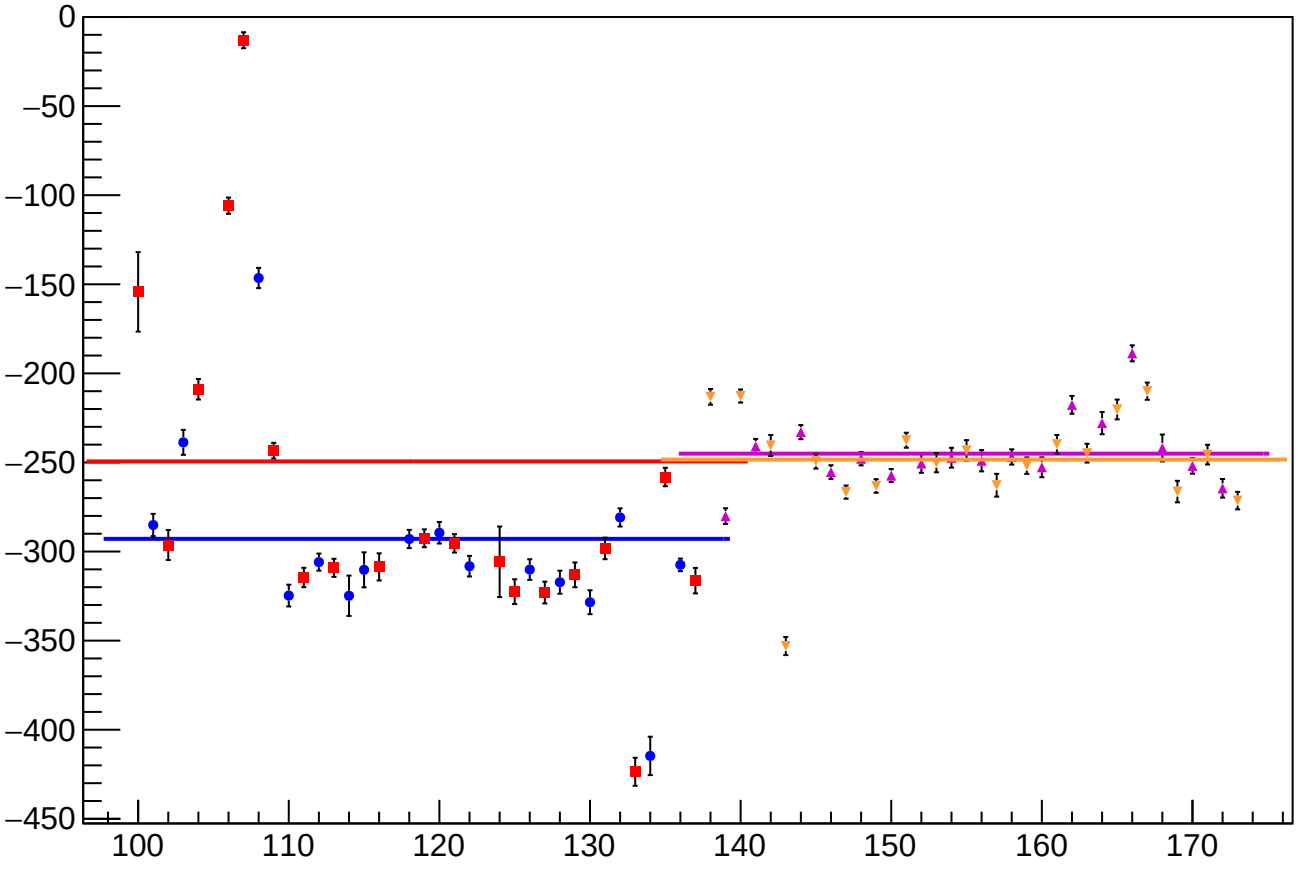
Left: -1.942+/-0.547 χ^2/NDF: 534.1/35

Right: 9.326+/-0.902 χ^2/NDF: 586.7/34

In: 2.229+/-0.681 χ^2/NDF:581.6/32

Out: 0.064+/-0.643 χ^2/NDF:648.1/37

All: 1.085+/-0.467 χ^2/NDF: 1235.0/70



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -248.376+/-1.095 χ^2/NDF:761.6/18

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -245.051+/-1.125 χ^2/NDF:307.0/16

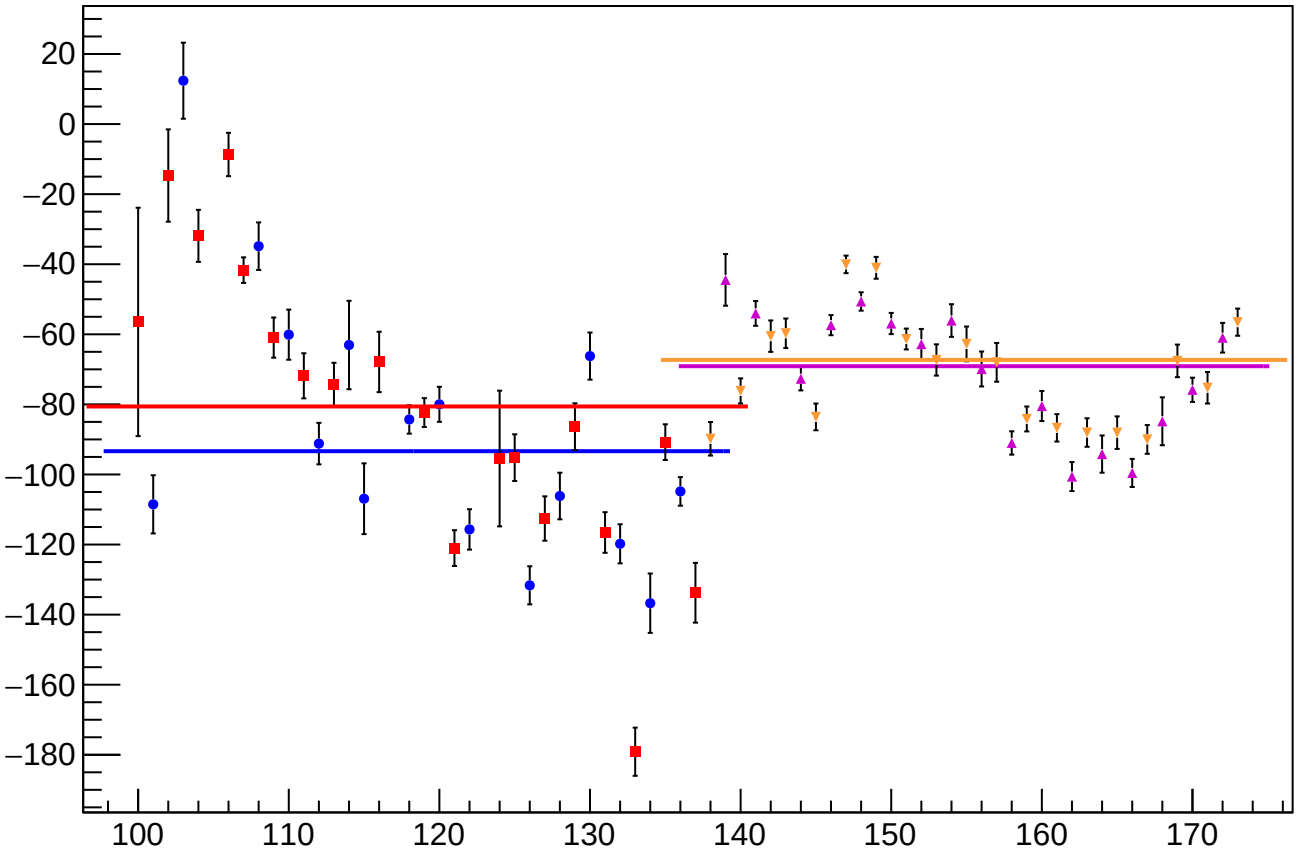
Left: -246.759+/-0.785 χ^2/NDF: 1073.1/35

Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -262.756+/-0.893 χ^2/NDF:1959.2/32

Out: -248.779+/-0.855 χ^2/NDF:6130.5/37

All: -255.465+/-0.618 χ^2/NDF: 8217.5/70



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -67.303+/-0.888 χ^2/NDF:380.6/18

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -69.102+/-0.927 χ^2/NDF:324.0/16

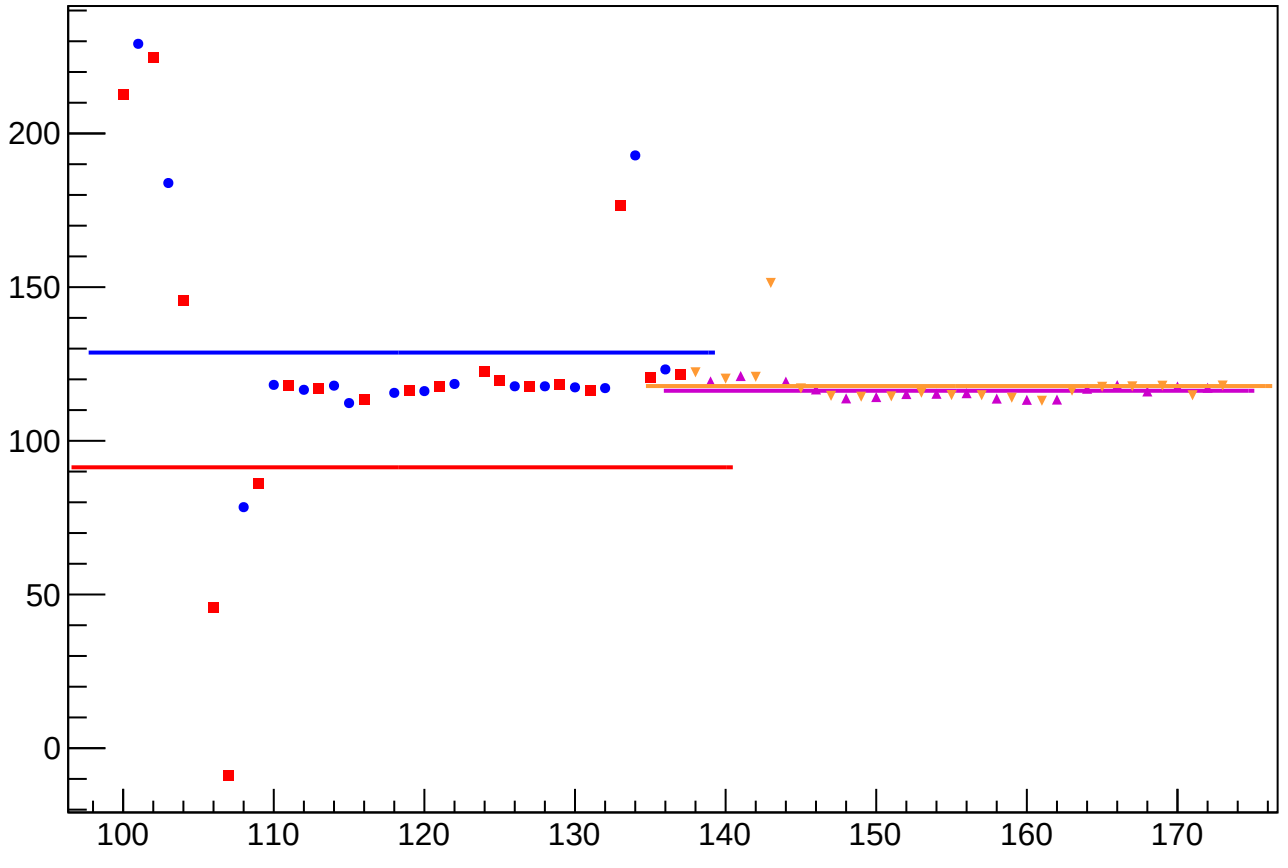
Left: -68.165+/-0.641 χ^2/NDF: 706.5/35

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -75.584+/-0.793 χ^2/NDF:862.4/32

Out: -71.025+/-0.754 χ^2/NDF:1158.6/37

All: -73.188+/-0.546 χ^2/NDF: 2038.4/70



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 117.822+/-0.042 χ^2/NDF:29681.0/18

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 116.286+/-0.043 χ^2/NDF:2954.9/16

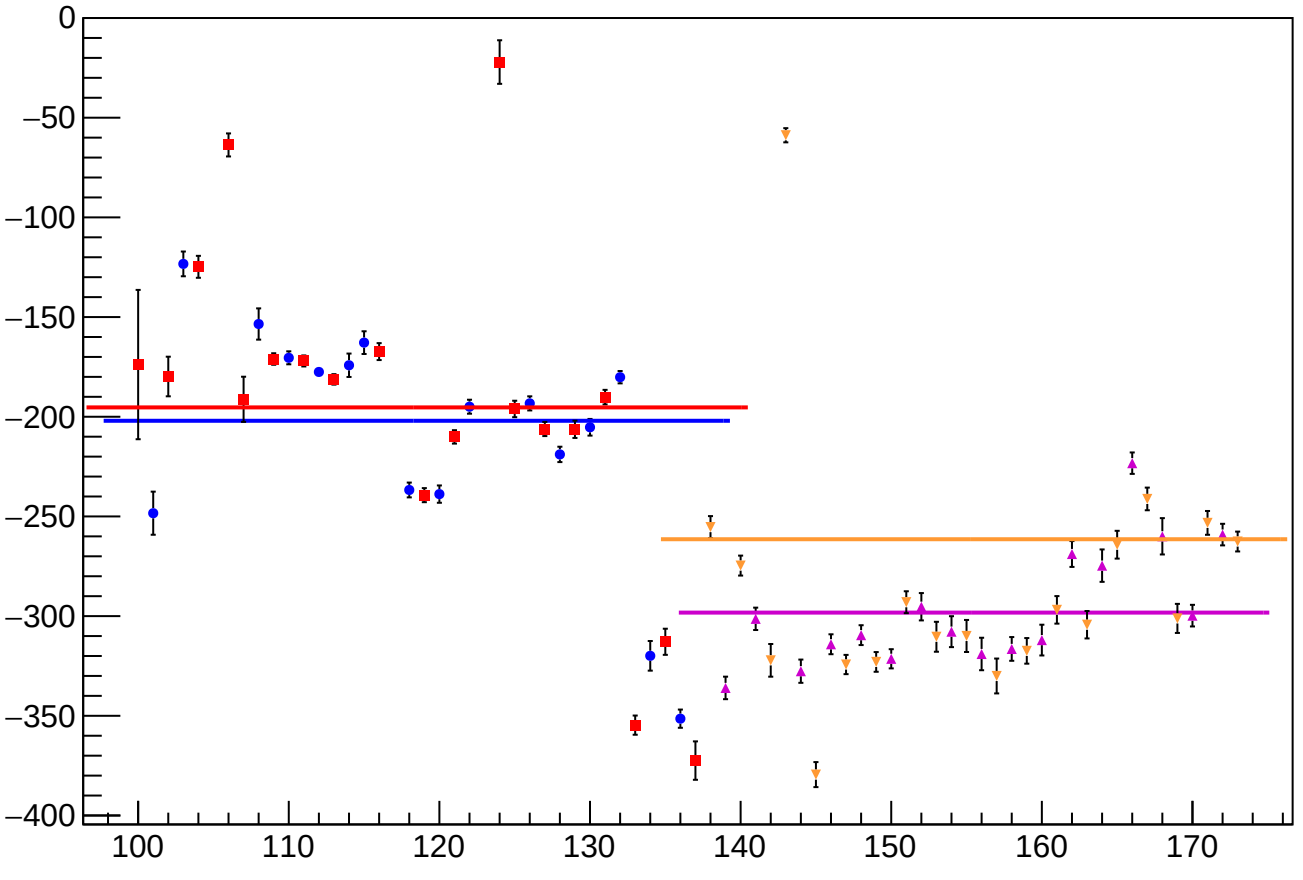
Left: 117.068+/-0.030 χ^2/NDF: 33297.3/35

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 118.597+/-0.038 χ^2/NDF:202305.4/32

Out: 112.036+/-0.037 χ^2/NDF:721940.0/37

All: 115.191+/-0.027 χ^2/NDF: 939374.3/70



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -261.436+/-1.336 χ^2/NDF:4343.0/18

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -298.237+/-1.462 χ^2/NDF:423.1/16

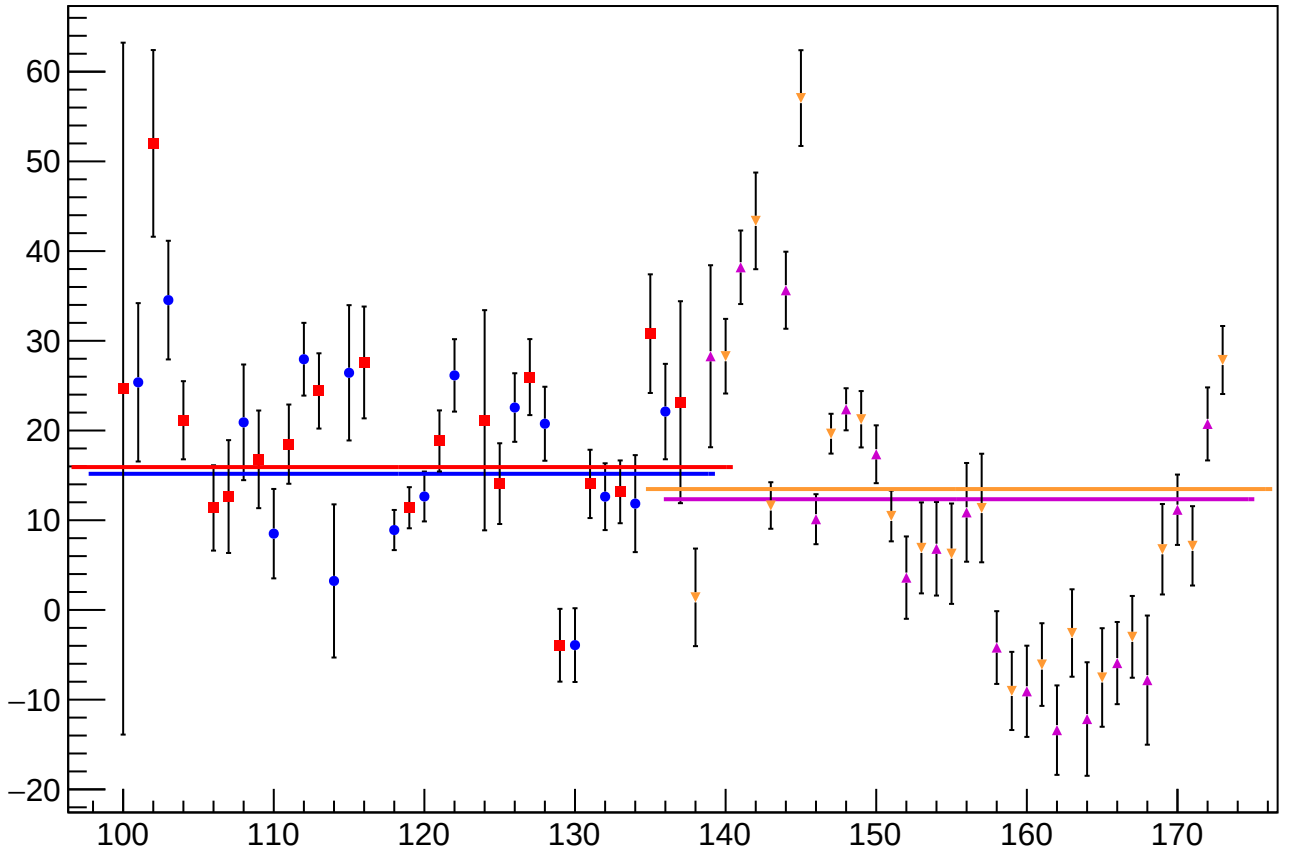
Left: -278.181+/-0.986 χ^2/NDF: 5111.5/35

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -233.693+/-0.839 χ^2/NDF:5369.4/32

Out: -218.267+/-0.787 χ^2/NDF:9043.6/37

All: -225.490+/-0.574 χ^2/NDF: 14592.9/70



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 13.475+/-0.905 χ^2/NDF:235.4/18

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 12.342+/-0.998 χ^2/NDF:201.9/16

Left: 12.964+/-0.670 χ^2/NDF: 438.1/35

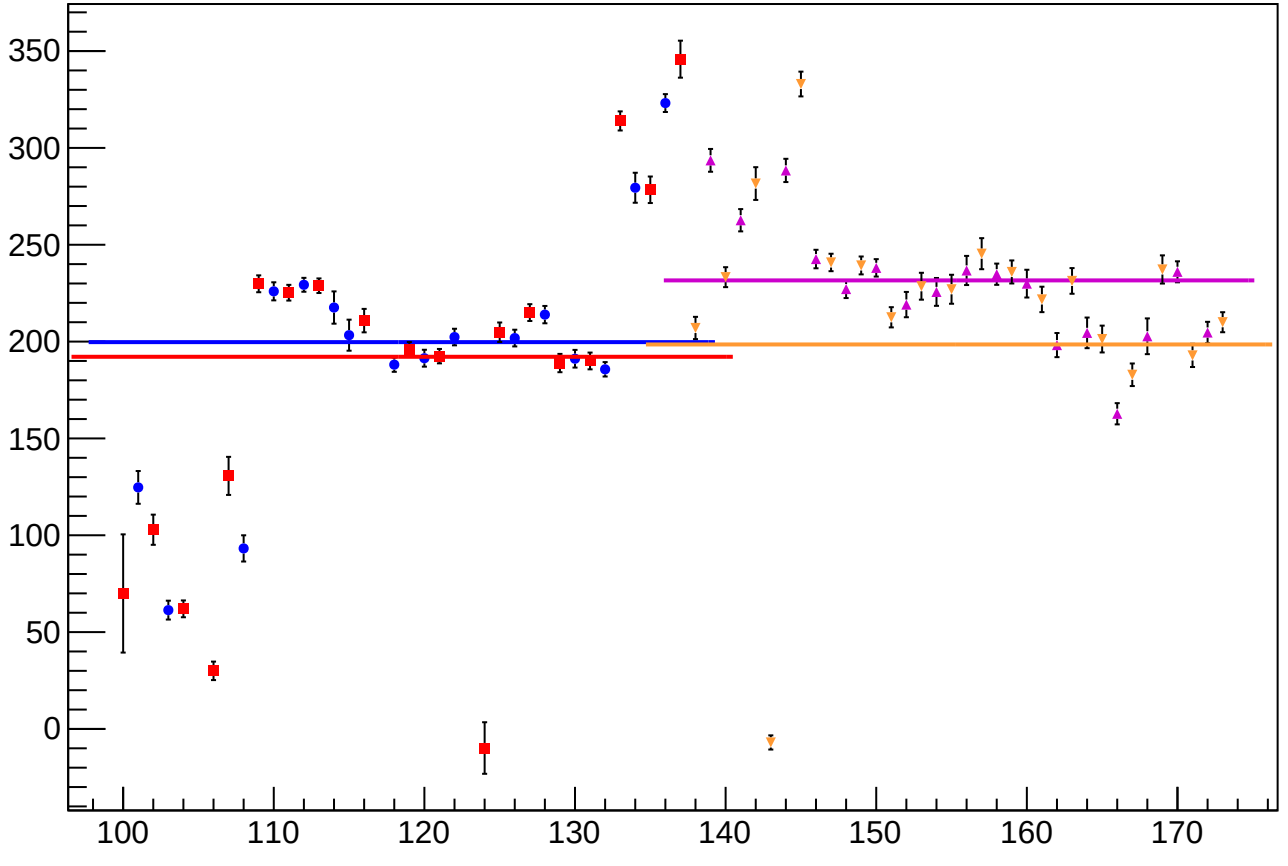
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 13.689+/-0.723 χ^2/NDF:278.1/32

Out: 14.535+/-0.682 χ^2/NDF:302.2/37

All: 14.137+/-0.496 χ^2/NDF: 581.0/70

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 198.520+/-1.317 χ^2/NDF:4097.9/18

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 231.594+/-1.424 χ^2/NDF:475.4/16

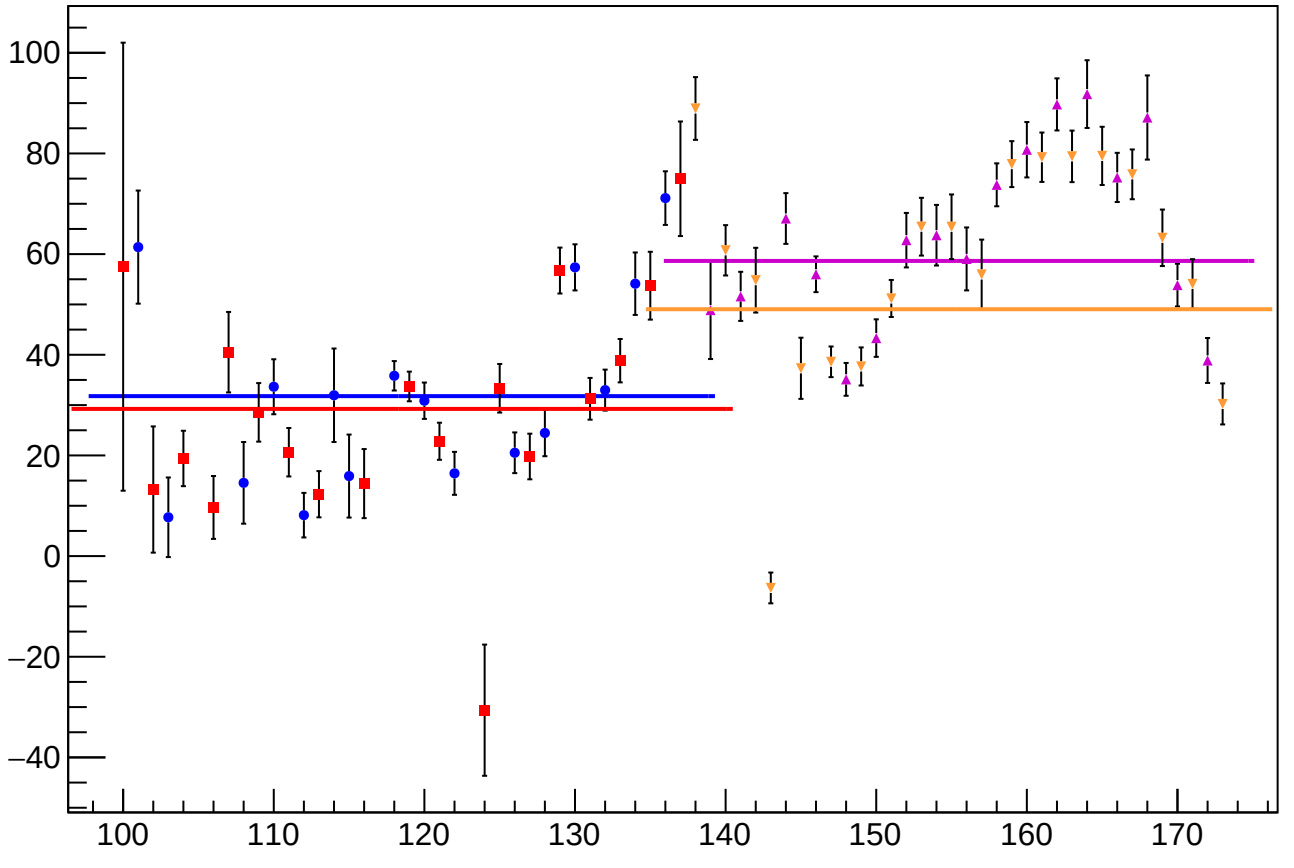
Left: 213.759+/-0.967 χ^2/NDF: 4864.0/35

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 212.897+/-0.916 χ^2/NDF:2870.7/32

Out: 194.911+/-0.866 χ^2/NDF:7888.3/37

All: 203.405+/-0.629 χ^2/NDF: 10962.5/70



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 49.051+/-1.064 χ^2/NDF:614.5/18

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 58.647+/-1.168 χ^2/NDF:209.7/16

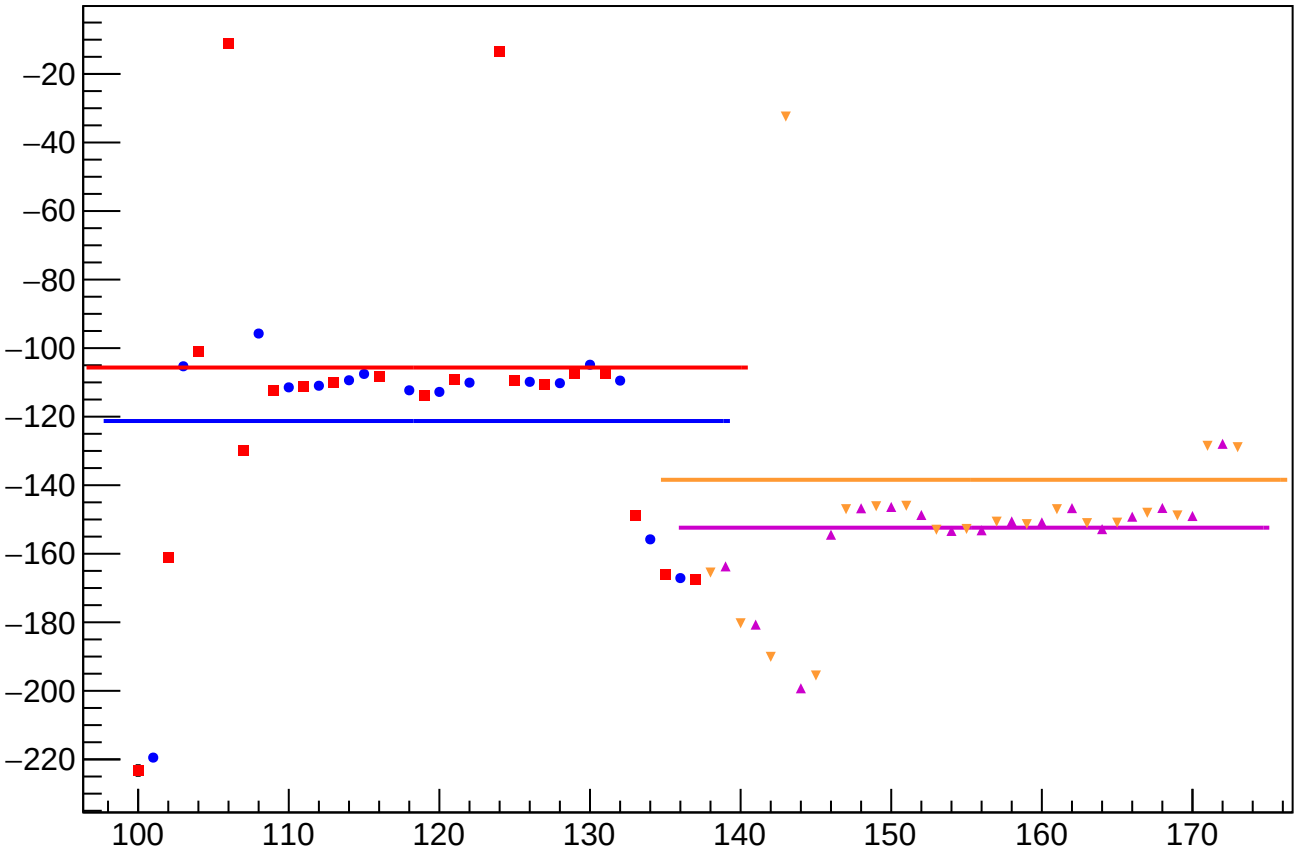
Left: 53.405+/-0.787 χ^2/NDF: 861.1/35

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 45.766+/-0.842 χ^2/NDF:640.6/32

Out: 40.303+/-0.795 χ^2/NDF:908.3/37

All: 42.877+/-0.578 χ^2/NDF: 1571.1/70



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -138.420+/-0.050 χ^2/NDF:639636.5/18

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -152.395+/-0.054 χ^2/NDF:68282.0/16

Left: -144.966+/-0.037 χ^2/NDF: 743987.8/35

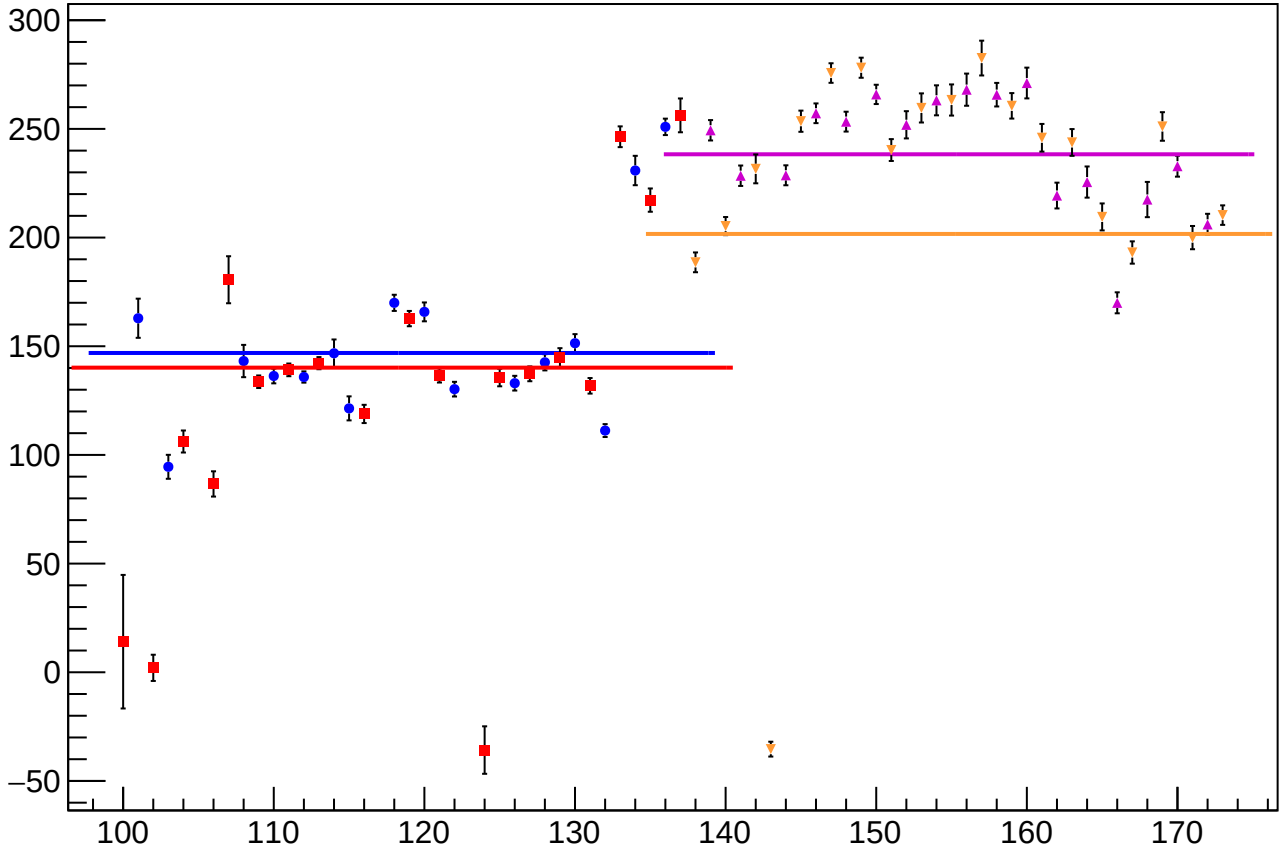
Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -142.608+/-0.044 χ^2/NDF:293516.0/32

Out: -128.183+/-0.042 χ^2/NDF:1126945.7/37

All: -134.950+/-0.030 χ^2/NDF: 1476439.7/70

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: 201.669+/-1.194 χ^2/NDF:6065.6/18

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 238.317+/-1.296 χ^2/NDF:427.3/16

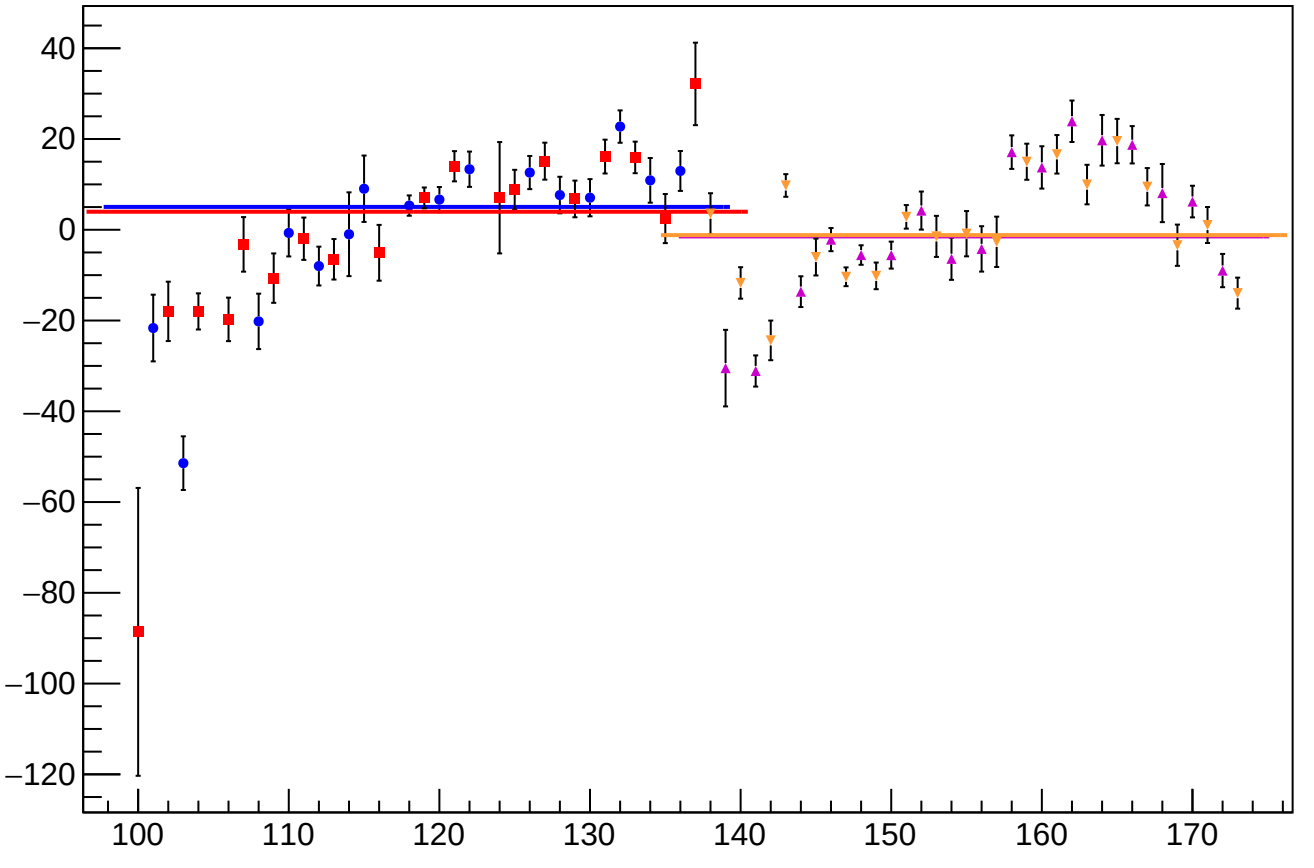
Left: 218.498+/-0.878 χ^2/NDF: 6925.3/35

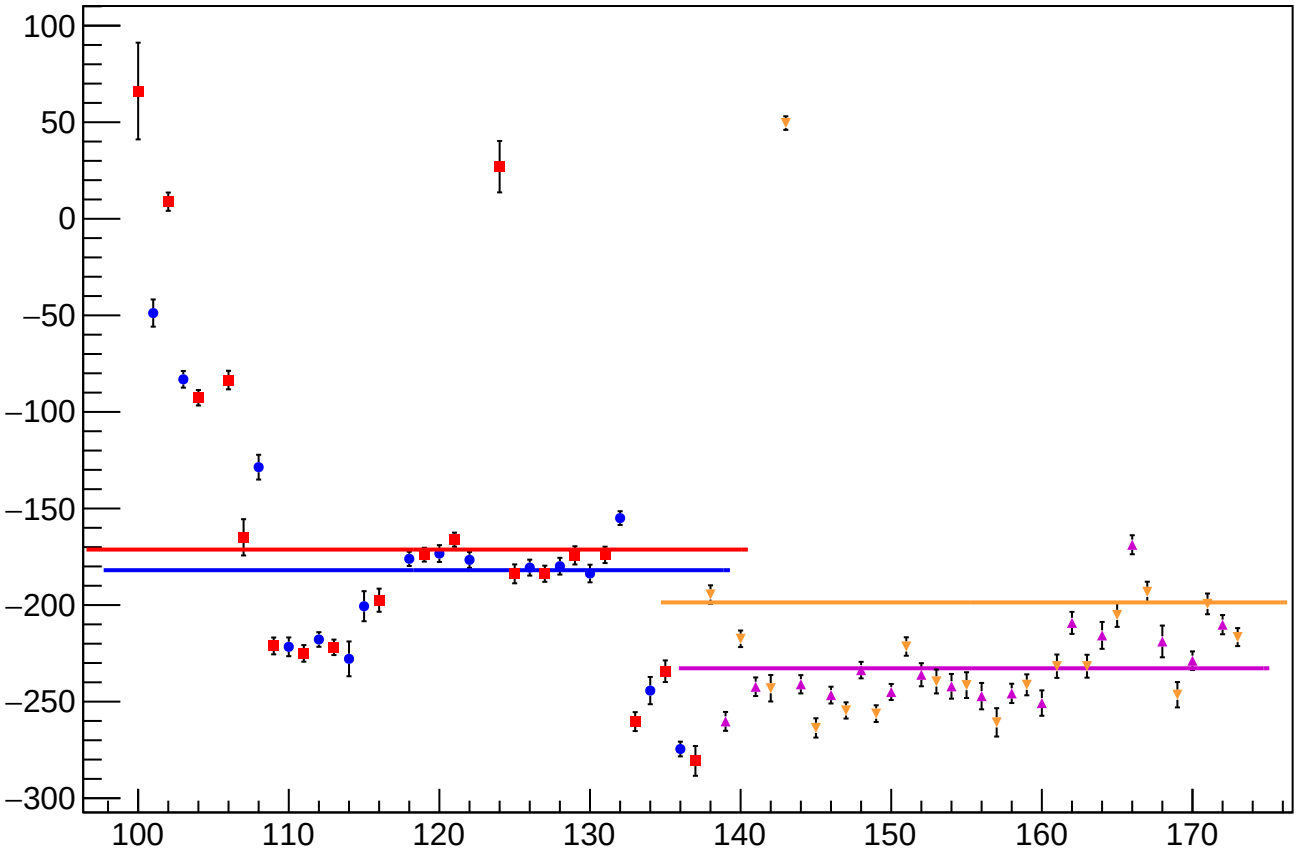
Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

In: 181.160+/-0.793 χ^2/NDF:4840.1/32

Out: 164.301+/-0.748 χ^2/NDF:9627.8/37

All: 172.238+/-0.544 χ^2/NDF: 14706.9/70


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
170
Right In: 5.037+/-1.021 χ²/NDF: 171.9/15
Left Out: -1.182+/-0.817 χ²/NDF:170.7/18
Right Out: 3.974+/-1.012 χ²/NDF: 144.9/18
Left In: -1.470+/-0.894 χ²/NDF:224.8/16
Left: -1.313+/-0.603 χ²/NDF: 395.5/35
Right: 4.501+/-0.719 χ²/NDF: 317.3/34
In: 1.354+/-0.672 χ²/NDF:419.7/32
Out: 0.854+/-0.636 χ²/NDF:331.3/37
All: 1.090+/-0.462 χ²/NDF: 751.2/70



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -198.633+/-1.180 χ^2/NDF:5940.9/18

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -232.736+/-1.266 χ^2/NDF:294.8/16

Left: -214.479+/-0.863 χ^2/NDF: 6623.9/35

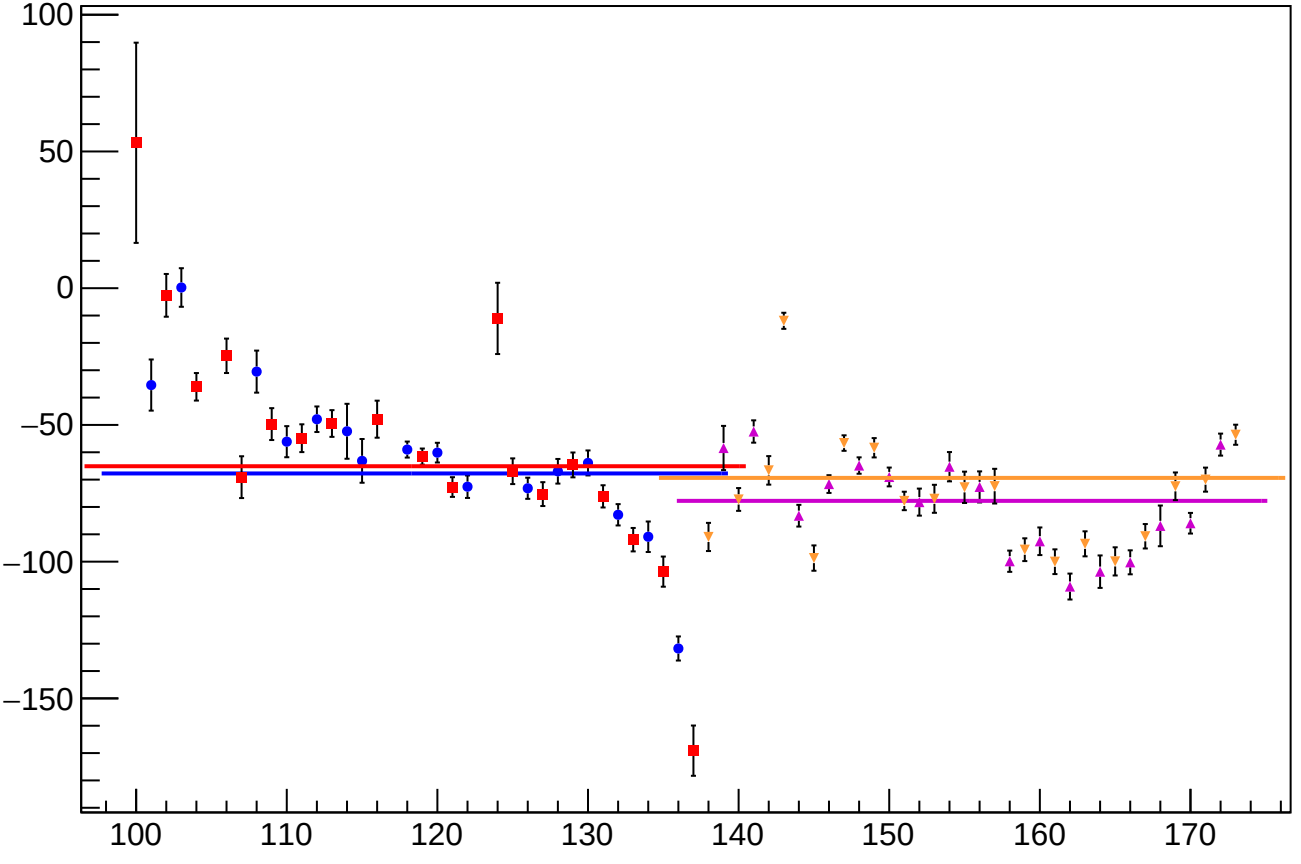
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -204.987+/-0.853 χ^2/NDF:3044.0/32

Out: -184.127+/-0.809 χ^2/NDF:9854.3/37

All: -194.004+/-0.587 χ^2/NDF: 13213.3/70

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: -69.370+/-0.959 χ^2/NDF:672.6/18

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -77.768+/-1.044 χ^2/NDF:243.2/16

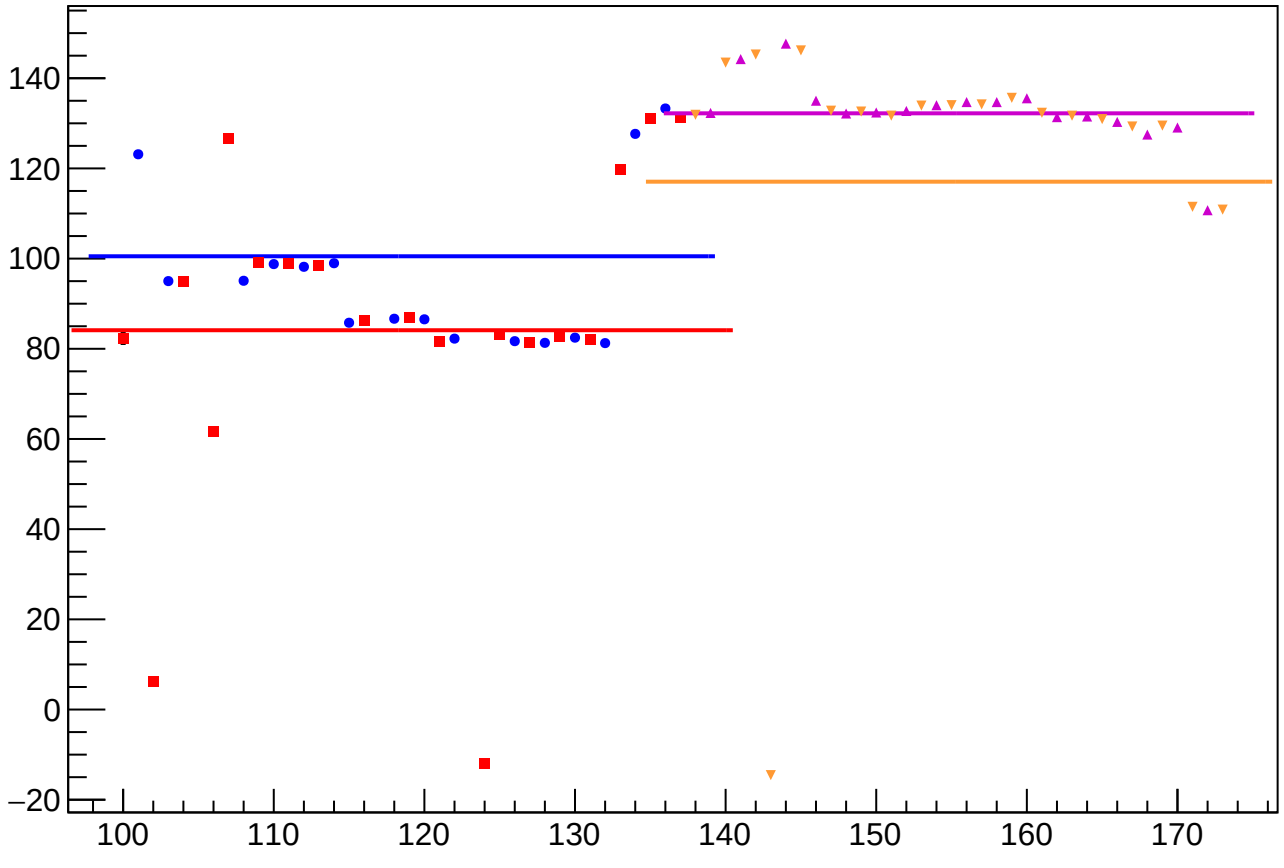
Left: -73.212+/-0.706 χ^2/NDF: 950.9/35

Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -73.370+/-0.782 χ^2/NDF:697.6/32

Out: -67.650+/-0.741 χ^2/NDF:1109.7/37

All: -70.354+/-0.538 χ^2/NDF: 1835.5/70



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 117.058+/-0.045 χ^2/NDF:939777.0/18

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 132.217+/-0.048 χ^2/NDF:26548.6/16

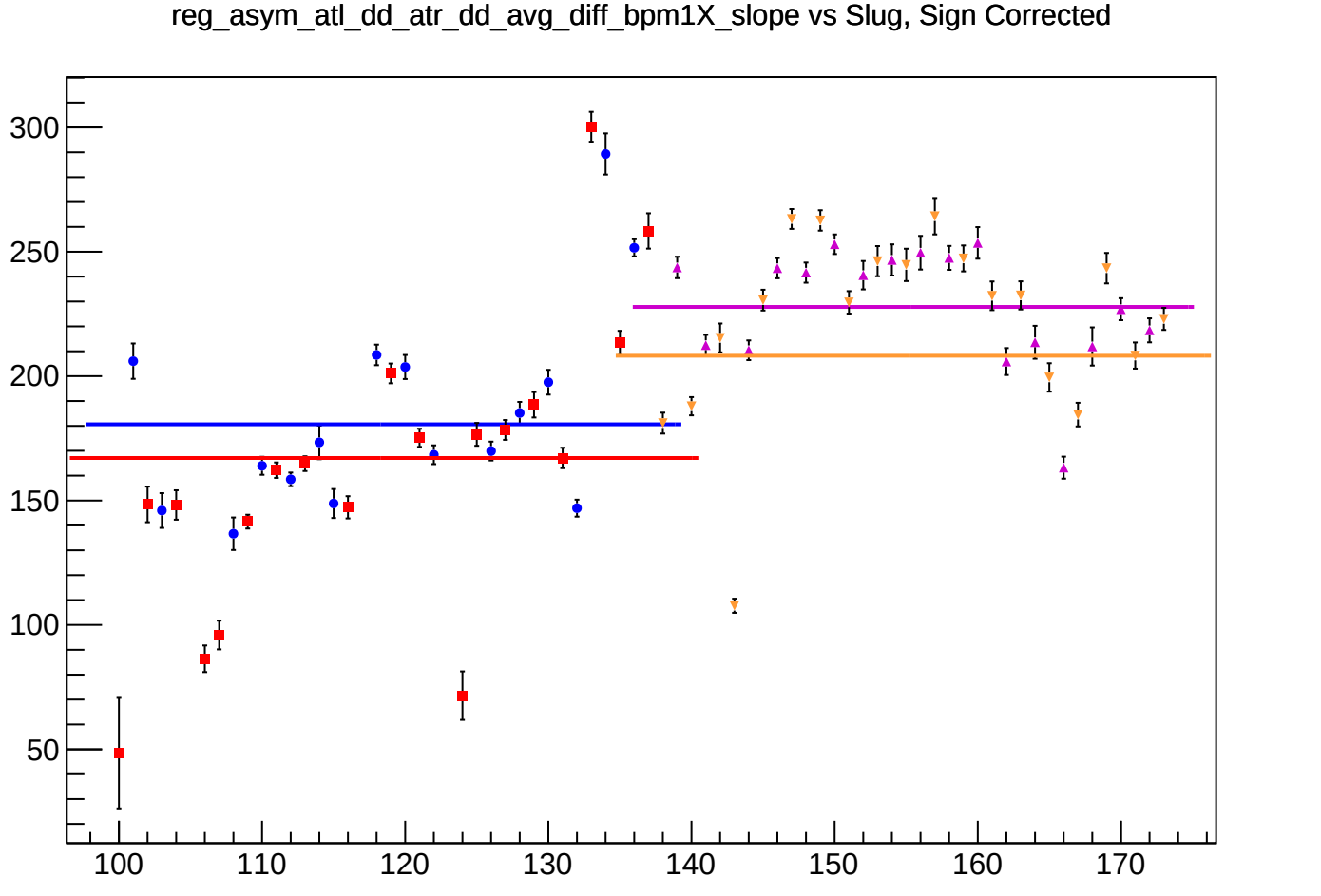
Left: 124.207+/-0.033 χ^2/NDF: 1019504.9/35

Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

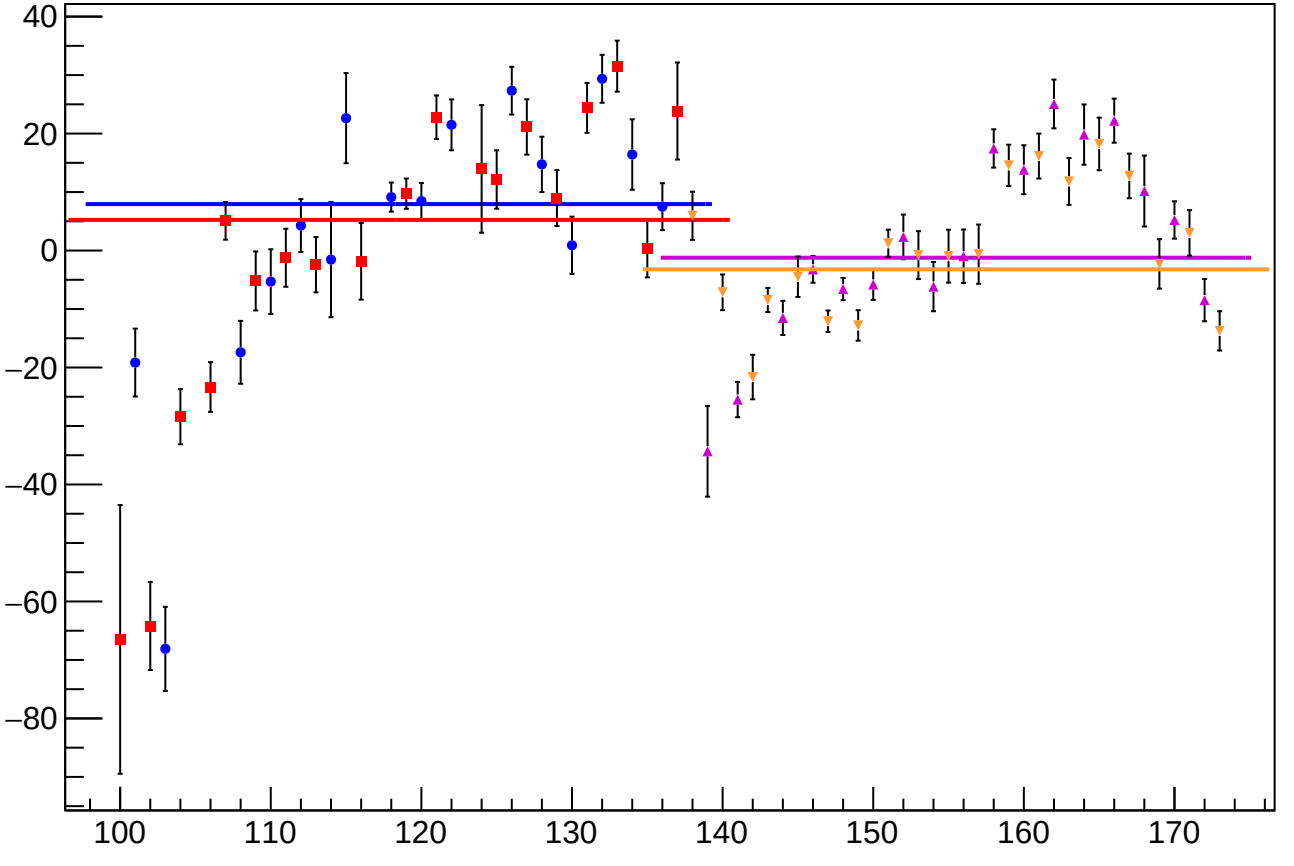
In: 122.882+/-0.040 χ^2/NDF:223609.8/32

Out: 107.225+/-0.038 χ^2/NDF:1362507.2/37

All: 114.586+/-0.028 χ^2/NDF: 1666734.5/70


reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
300
250
200
150
100
50
100
110
120
130
140
150
160
170
Right In: 180.634+/-1.090 χ²/NDF: 993.4/15
Left Out: 208.201+/-1.072 χ²/NDF:2034.4/18
Right Out: 167.102+/-1.021 χ²/NDF: 1484.6/18
Left In: 227.820+/-1.172 χ²/NDF:414.5/16
Left: 217.138+/-0.791 χ²/NDF: 2601.4/35
Right: 173.427+/-0.745 χ²/NDF: 2560.1/34
In: 202.510+/-0.798 χ²/NDF:2277.3/32
Out: 186.648+/-0.739 χ²/NDF:4289.8/37
All: 193.973+/-0.542 χ²/NDF: 6779.8/70

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -3.215+/-0.731 χ^2/NDF:195.7/18

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -1.226+/-0.804 χ^2/NDF:261.3/16

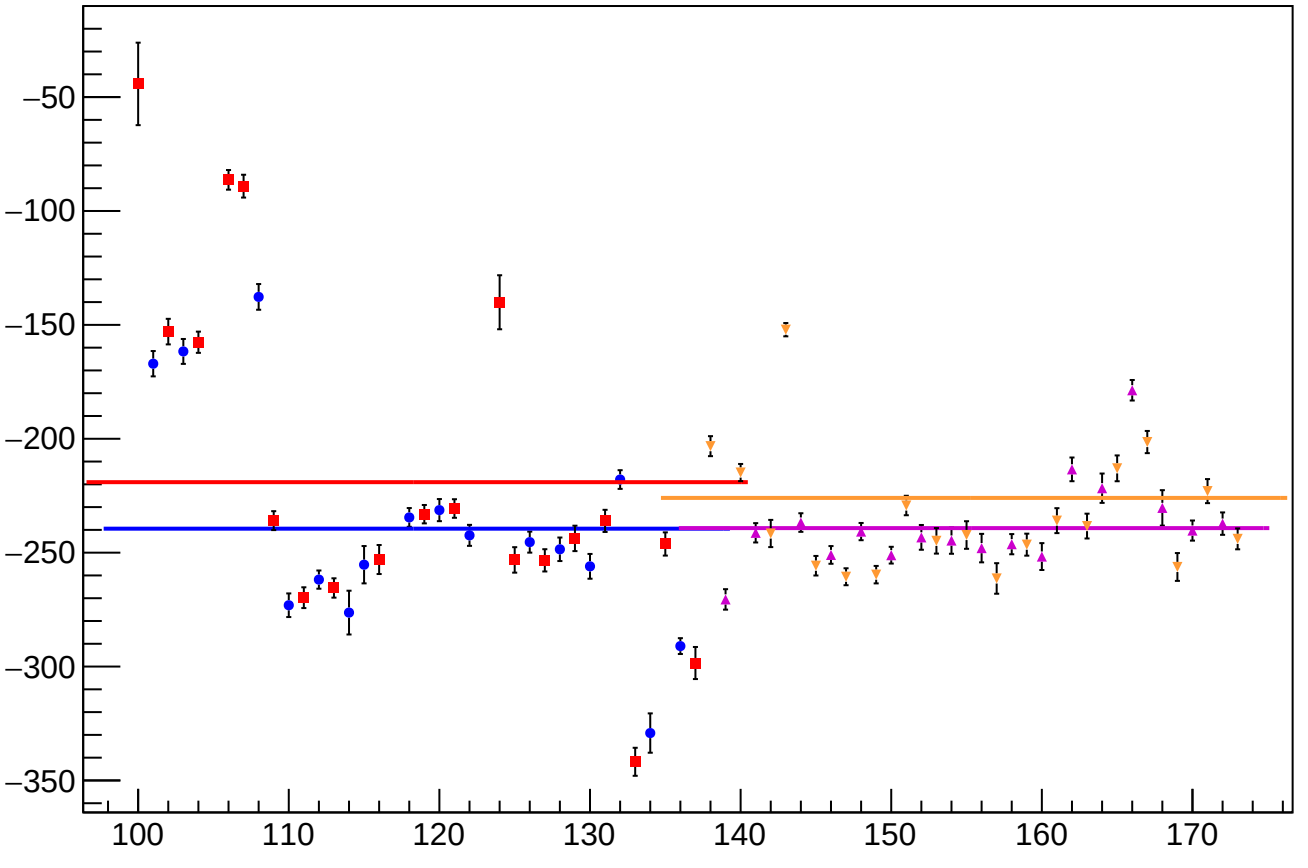
Left: -2.316+/-0.541 χ^2/NDF: 460.3/35

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 1.919+/-0.652 χ^2/NDF:538.7/32

Out: -0.496+/-0.602 χ^2/NDF:541.7/37

All: 0.615+/-0.442 χ^2/NDF: 1087.8/70



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -225.964+/-1.059 χ^2/NDF:1037.3/18

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -239.223+/-1.145 χ^2/NDF:293.1/16

Left: -232.080+/-0.777 χ^2/NDF: 1402.7/35

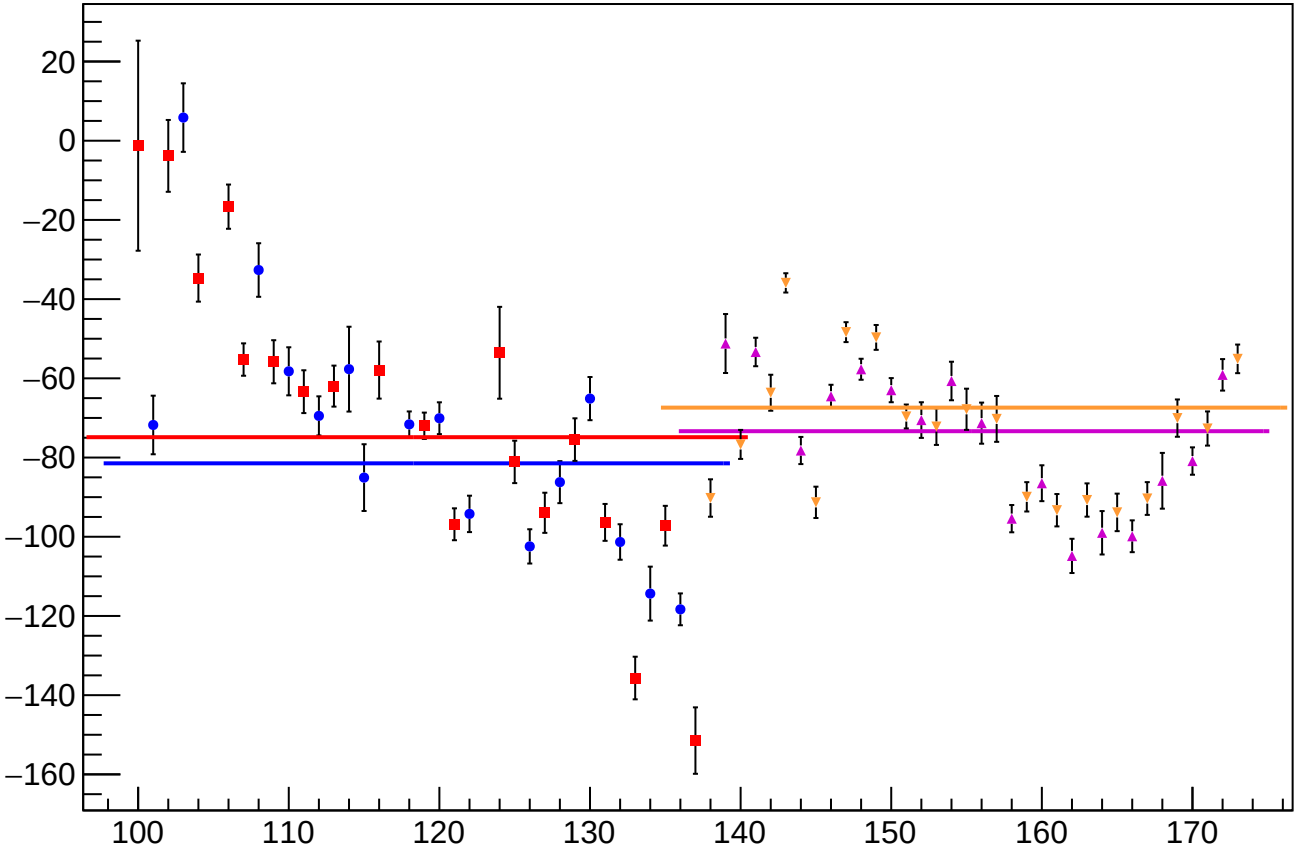
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -239.335+/-0.843 χ^2/NDF:1455.4/32

Out: -222.869+/-0.787 χ^2/NDF:4105.6/37

All: -230.541+/-0.575 χ^2/NDF: 5764.9/70

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -67.395+/-0.860 χ^2/NDF:508.7/18

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -73.347+/-0.942 χ^2/NDF:293.6/16

Left: -70.102+/-0.635 χ^2/NDF: 824.0/35

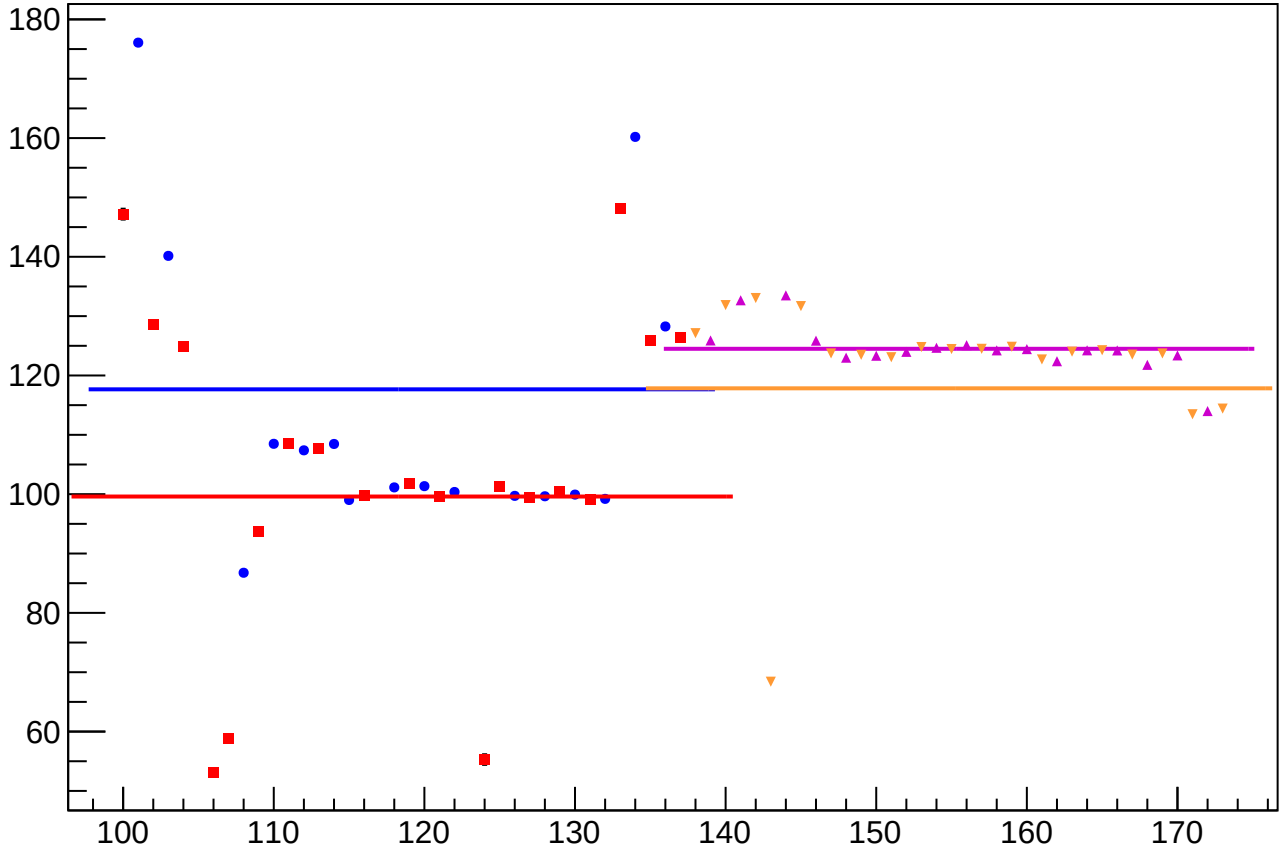
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -76.179+/-0.760 χ^2/NDF:686.0/32

Out: -69.848+/-0.705 χ^2/NDF:1110.0/37

All: -72.776+/-0.517 χ^2/NDF: 1833.3/70

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: 117.836+/-0.041 χ^2/NDF:199236.9/18

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 124.495+/-0.043 χ^2/NDF:9117.7/16

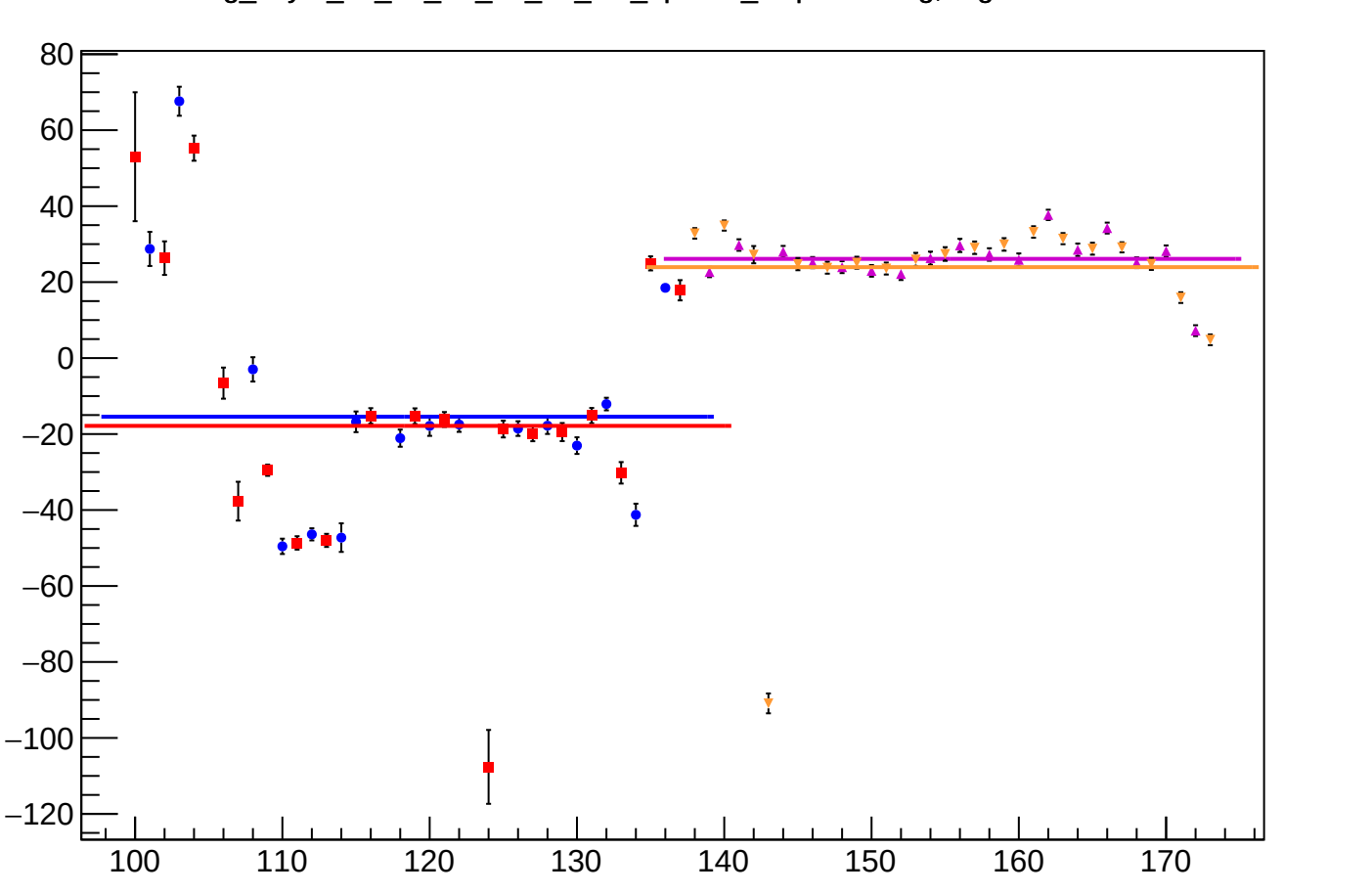
Left: 120.962+/-0.030 χ^2/NDF: 220876.5/35

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

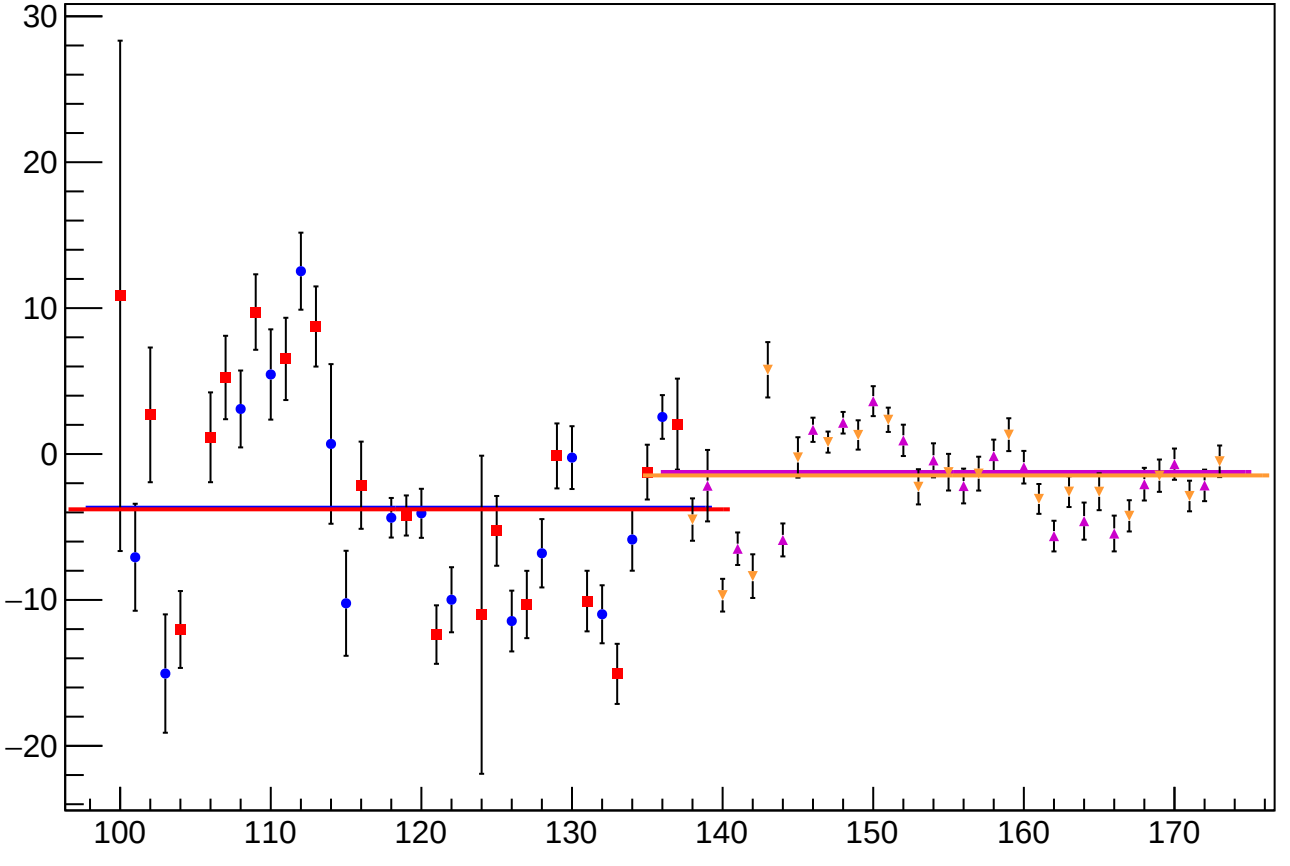
In: 122.892+/-0.038 χ^2/NDF:110342.9/32

Out: 113.246+/-0.035 χ^2/NDF:415794.5/37

All: 117.721+/-0.026 χ^2/NDF: 560824.7/70


reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
Right In: -15.438+/-0.539 χ²/NDF: 2124.2/15
Left Out: 23.936+/-0.362 χ²/NDF:2374.4/18
Right Out: -17.848+/-0.530 χ²/NDF: 2125.2/18
Left In: 26.119+/-0.369 χ²/NDF:315.9/16
Left: 25.005+/-0.259 χ²/NDF: 2708.1/35
Right: -16.664+/-0.378 χ²/NDF: 4259.6/34
In: 12.839+/-0.305 χ²/NDF:6484.3/32
Out: 10.633+/-0.299 χ²/NDF:8742.0/37
All: 11.715+/-0.213 χ²/NDF: 15253.0/70

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: -1.465+/-0.253 χ^2/NDF:153.5/18

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -1.231+/-0.262 χ^2/NDF:138.8/16

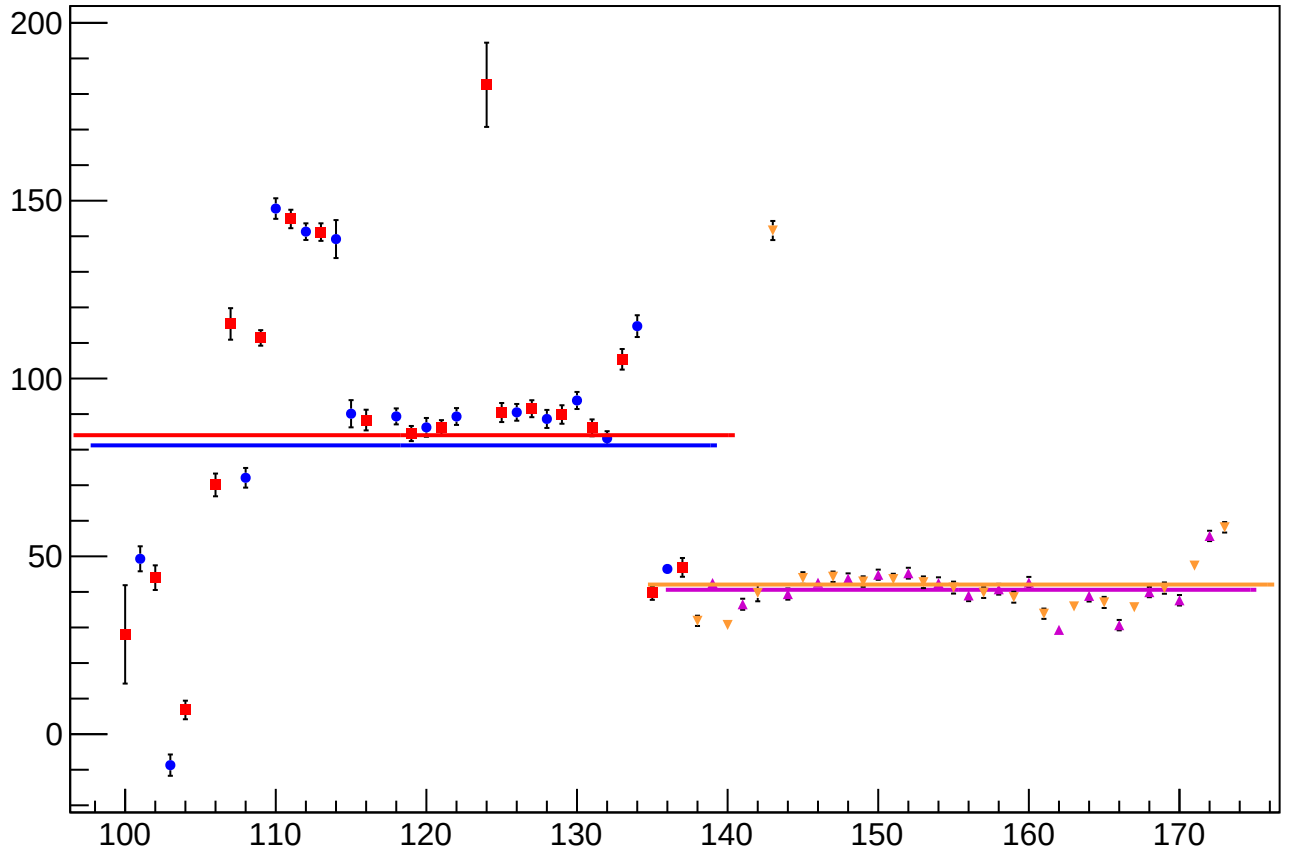
Left: -1.352+/-0.182 χ^2/NDF: 292.7/35

Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.681+/-0.237 χ^2/NDF:278.8/32

Out: -1.854+/-0.231 χ^2/NDF:328.9/37

All: -1.770+/-0.165 χ^2/NDF: 608.0/70



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 42.070+/-0.355 χ^2/NDF:1721.8/18

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.597+/-0.361 χ^2/NDF:272.3/16

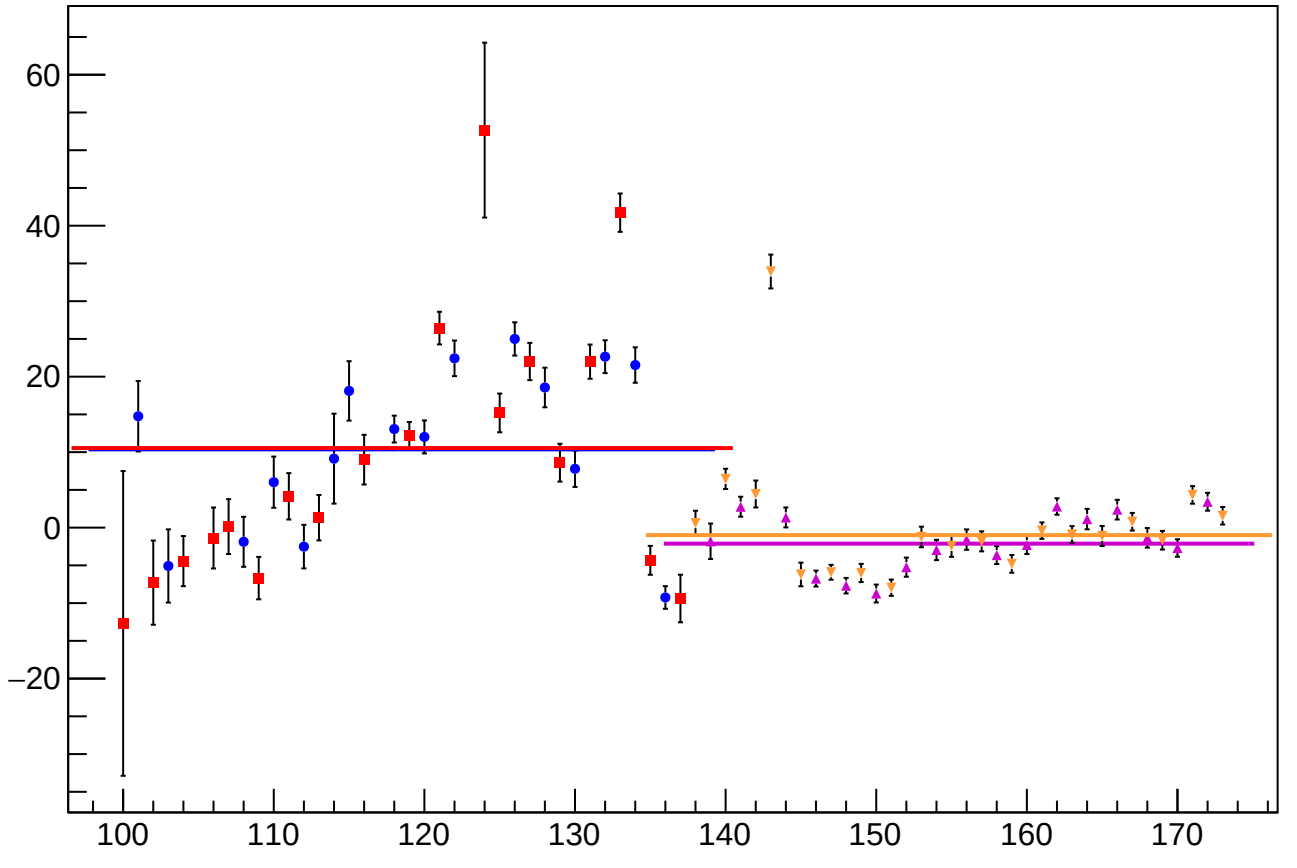
Left: 41.345+/-0.253 χ^2/NDF: 2002.5/35

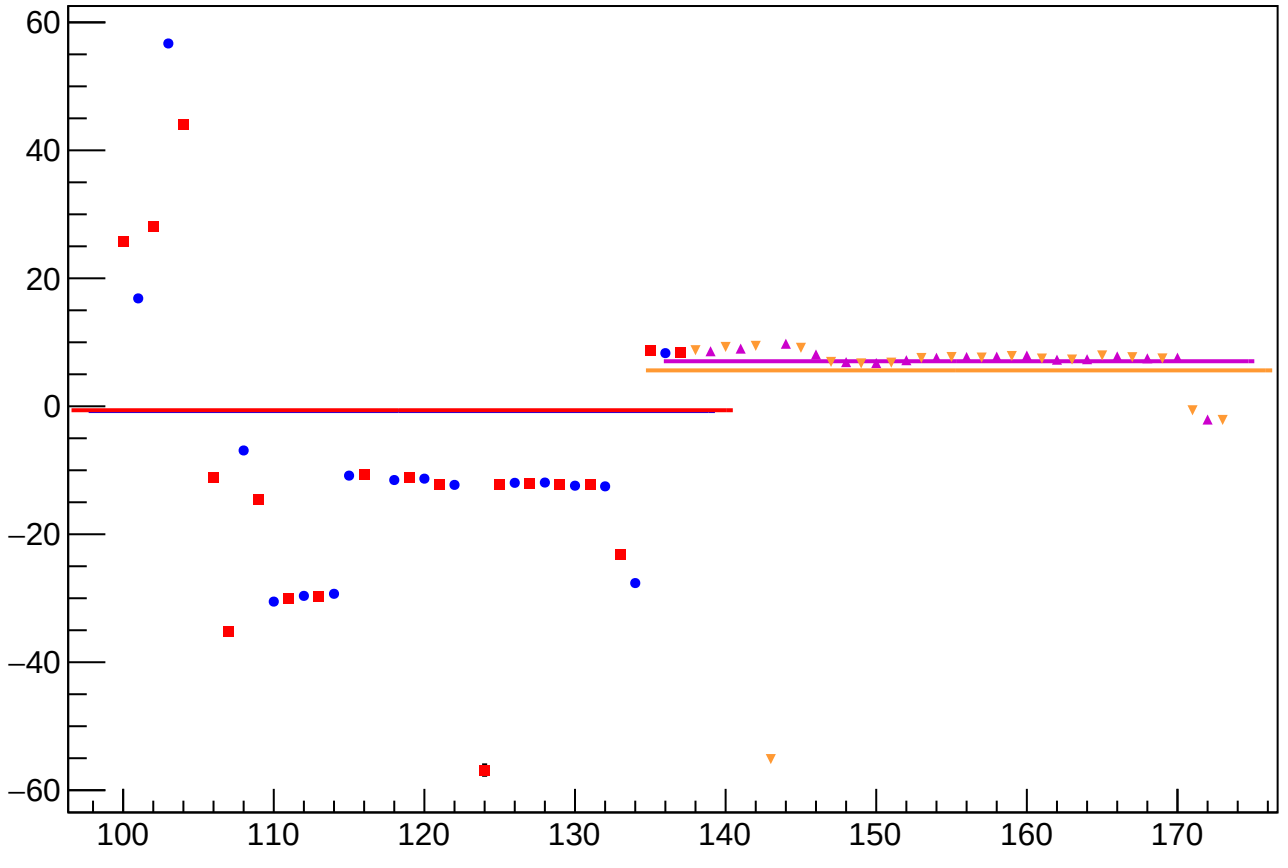
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 51.193+/-0.310 χ^2/NDF:6809.5/32

Out: 52.537+/-0.308 χ^2/NDF:8414.5/37

All: 51.870+/-0.218 χ^2/NDF: 15233.5/70


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
170
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: -0.991+/-0.291 χ²/NDF:419.2/18
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -2.124+/-0.301 χ²/NDF:168.9/16
Left: -1.538+/-0.209 χ²/NDF: 595.5/35
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: 0.220+/-0.271 χ²/NDF:851.6/32
Out: 0.982+/-0.265 χ²/NDF:1158.8/37
All: 0.611+/-0.190 χ²/NDF: 2014.4/70



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 5.611+/-0.013 χ^2/NDF:360381.5/18

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.040+/-0.013 χ^2/NDF:38525.2/16

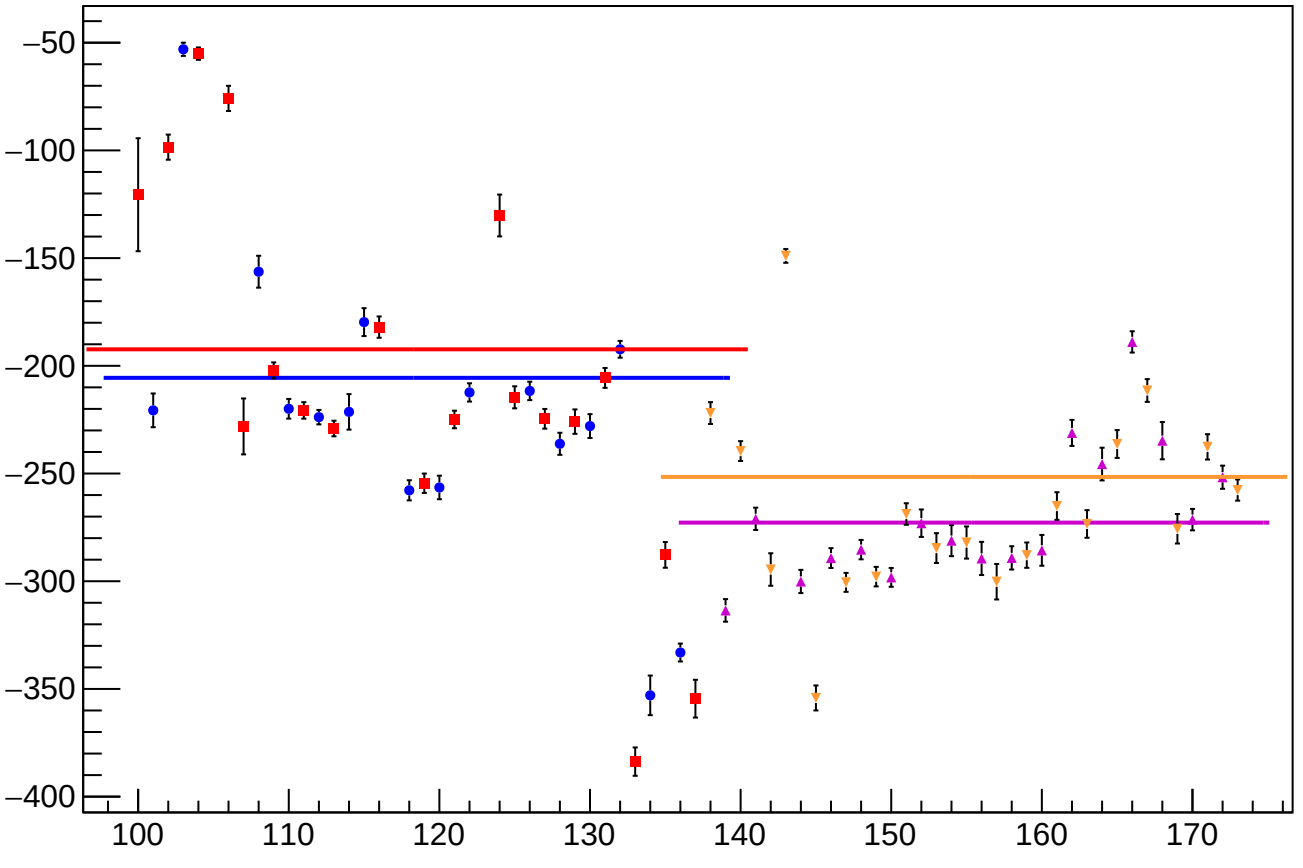
Left: 6.315+/-0.009 χ^2/NDF: 404731.5/35

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.095+/-0.012 χ^2/NDF:447881.9/32

Out: 4.924+/-0.012 χ^2/NDF:701647.0/37

All: 5.505+/-0.009 χ^2/NDF: 1153954.5/70



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -251.578+/-1.237 χ^2/NDF:1859.8/18

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -272.790+/-1.354 χ^2/NDF:542.2/16

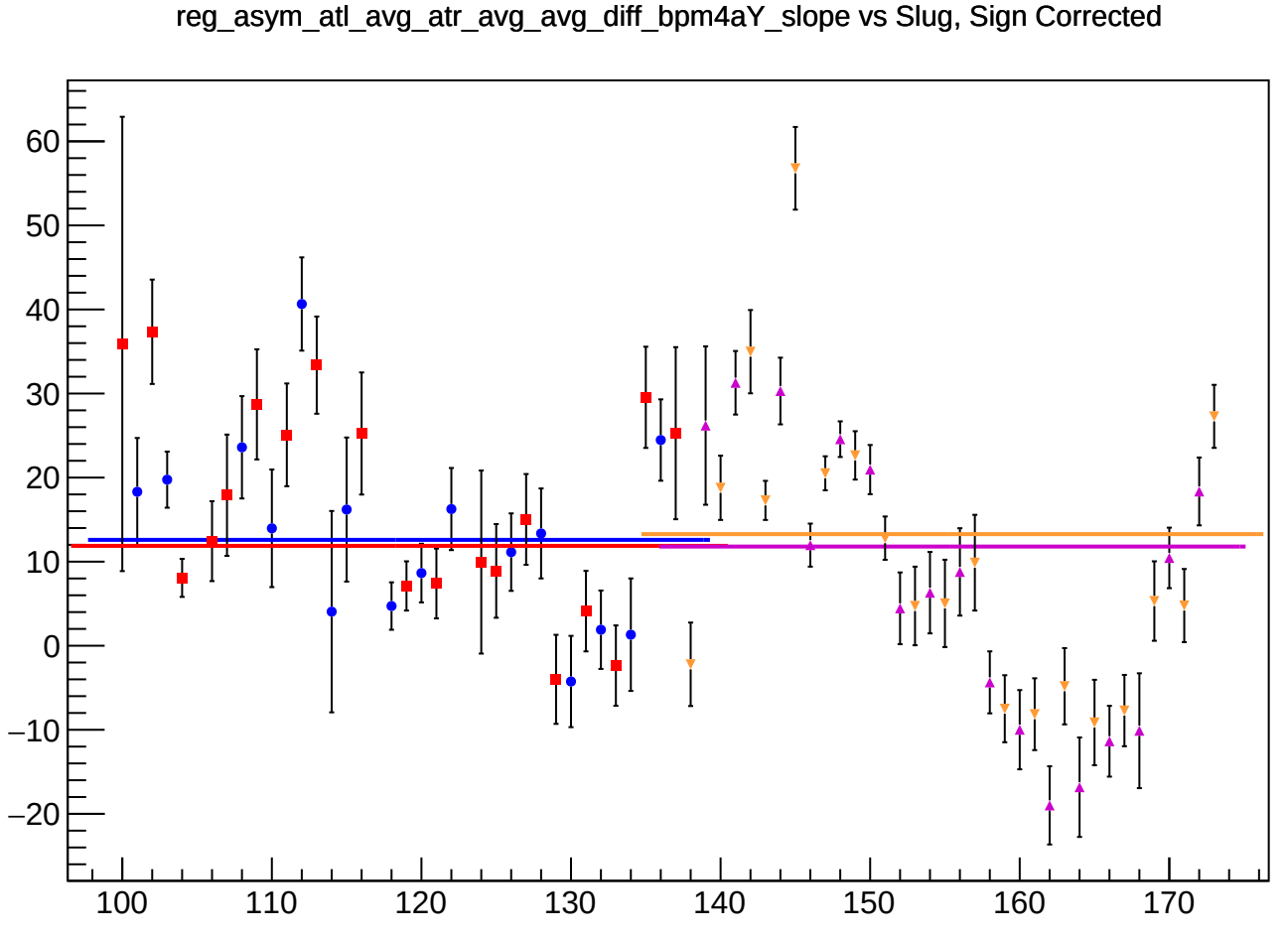
Left: -261.228+/-0.913 χ^2/NDF: 2535.8/35

Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -234.714+/-0.892 χ^2/NDF:5993.5/32

Out: -219.088+/-0.831 χ^2/NDF:8086.9/37

All: -226.355+/-0.608 χ^2/NDF: 14244.7/70



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 13.275+/-0.835 χ^2/NDF:274.7/18

Right Out: 11.880+/-1.122 χ^2/NDF: 84.9/18

Left In: 11.798+/-0.920 χ^2/NDF:252.4/16

Left: 12.608+/-0.618 χ^2/NDF: 528.5/35

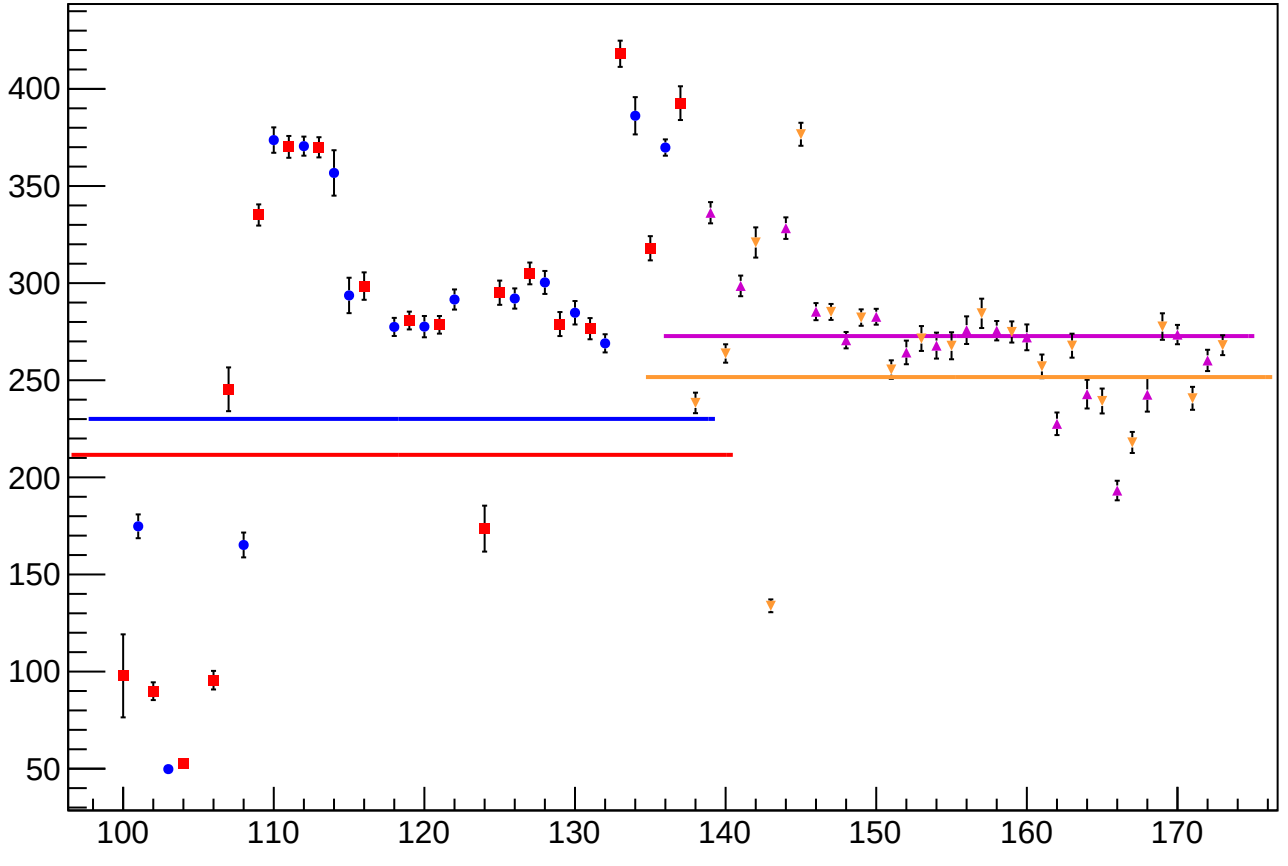
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 12.091+/-0.731 χ^2/NDF:321.2/32

Out: 12.777+/-0.670 χ^2/NDF:360.6/37

All: 12.464+/-0.494 χ^2/NDF: 682.3/70

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: 251.633+/-1.219 χ^2/NDF:2062.4/18

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 272.738+/-1.319 χ^2/NDF:619.2/16

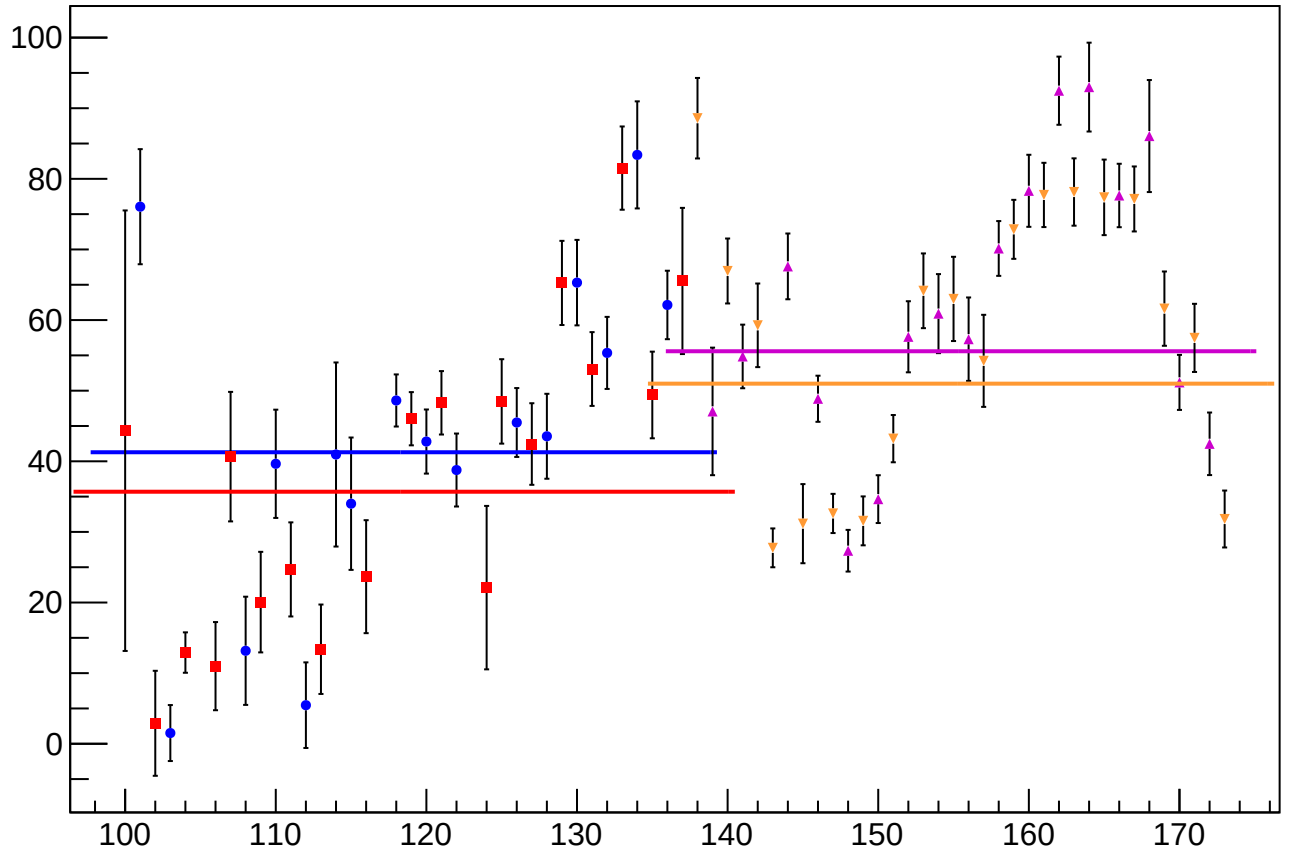
Left: 261.358+/-0.895 χ^2/NDF: 2819.7/35

Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 250.441+/-0.911 χ^2/NDF:10541.7/32

Out: 231.219+/-0.853 χ^2/NDF:14084.8/37

All: 240.206+/-0.623 χ^2/NDF: 24863.7/70



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 50.995+/-0.984 χ^2/NDF:412.1/18

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 55.584+/-1.079 χ^2/NDF:319.5/16

Left: 53.078+/-0.727 χ^2/NDF: 741.4/35

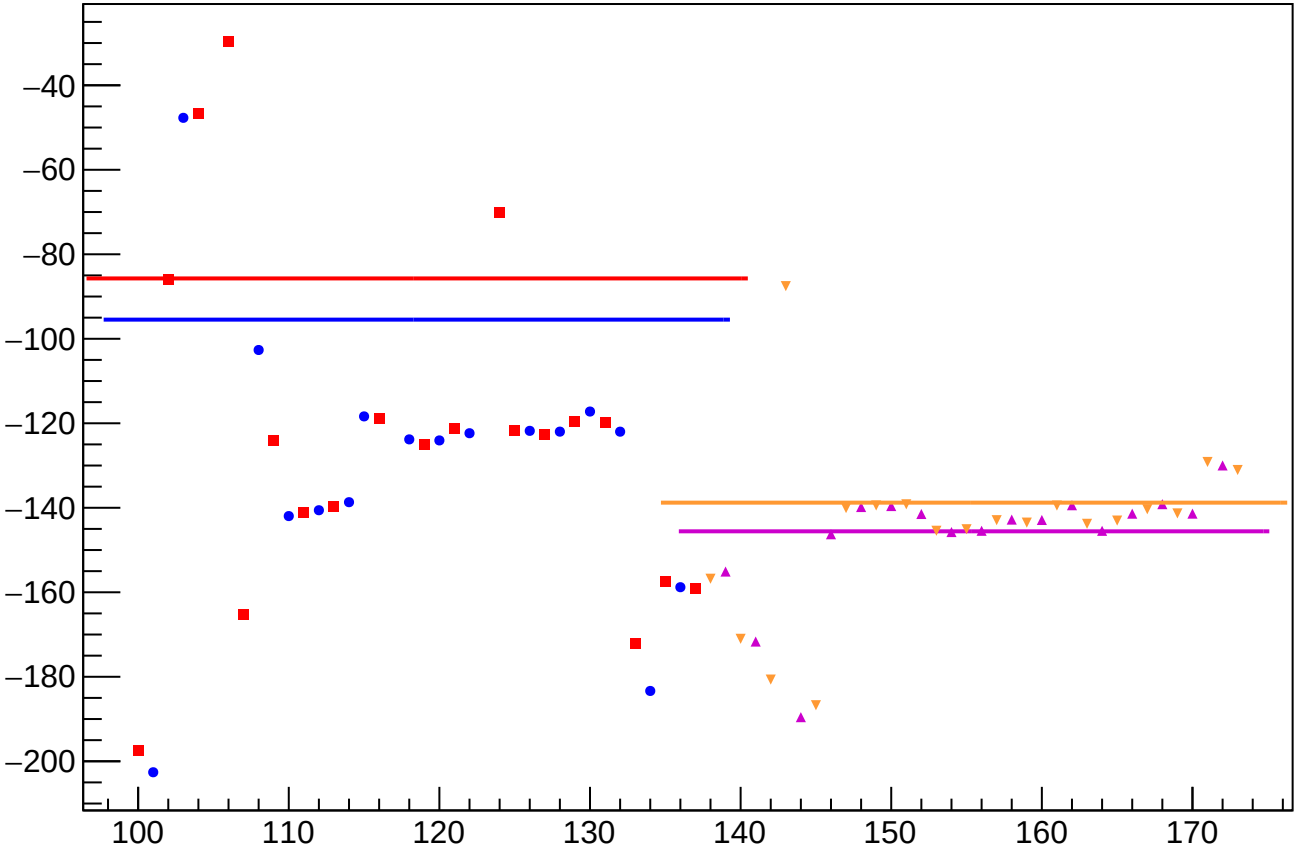
Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 50.242+/-0.854 χ^2/NDF:630.9/32

Out: 45.513+/-0.788 χ^2/NDF:751.9/37

All: 47.688+/-0.579 χ^2/NDF: 1399.3/70

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -138.785+/-0.047 χ^2/NDF:236293.3/18

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -145.571+/-0.050 χ^2/NDF:60370.6/16

Left: -141.970+/-0.034 χ^2/NDF: 306531.5/35

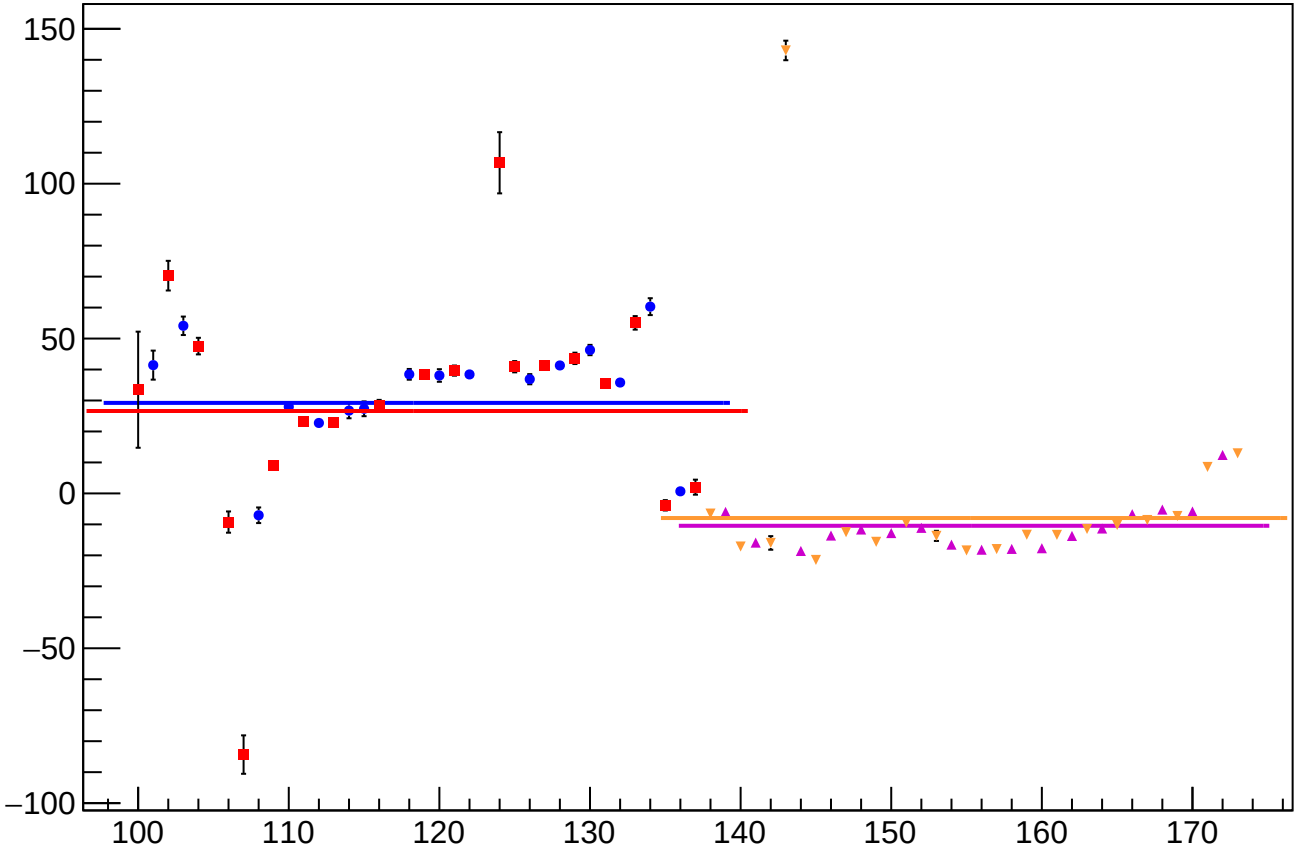
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -128.575+/-0.040 χ^2/NDF:924206.2/32

Out: -121.366+/-0.038 χ^2/NDF:1140976.8/37

All: -124.779+/-0.028 χ^2/NDF: 2081908.7/70

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: -7.947+/-0.339 χ^2/NDF:3007.7/18

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -10.450+/-0.345 χ^2/NDF:485.4/16

Left: -9.177+/-0.242 χ^2/NDF: 3519.9/35

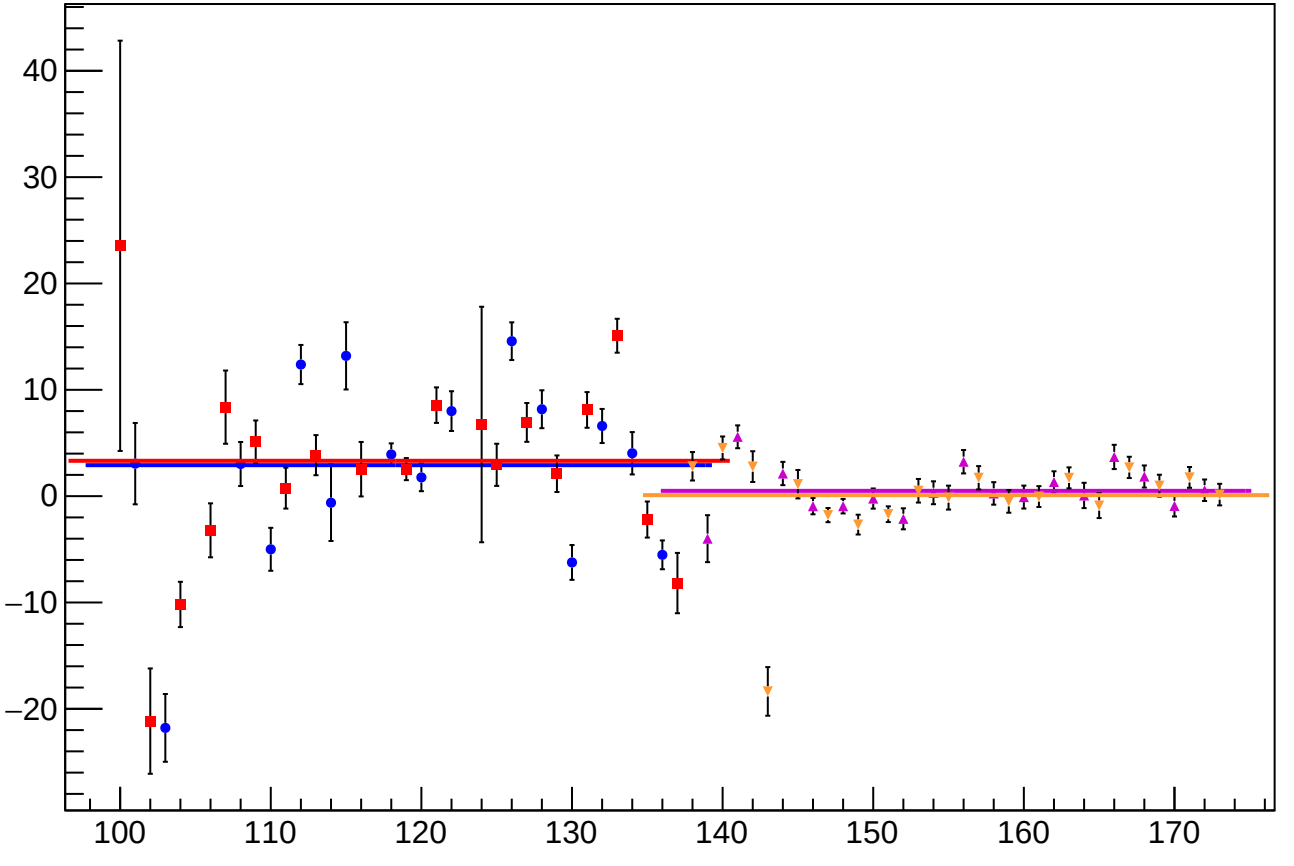
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.332+/-0.268 χ^2/NDF:7095.8/32

Out: 5.919+/-0.262 χ^2/NDF:9098.0/37

All: 5.631+/-0.187 χ^2/NDF: 16196.3/70

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: 0.095+/-0.236 χ^2/NDF:129.4/18

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.499+/-0.245 χ^2/NDF:63.3/16

Left: 0.290+/-0.170 χ^2/NDF: 194.1/35

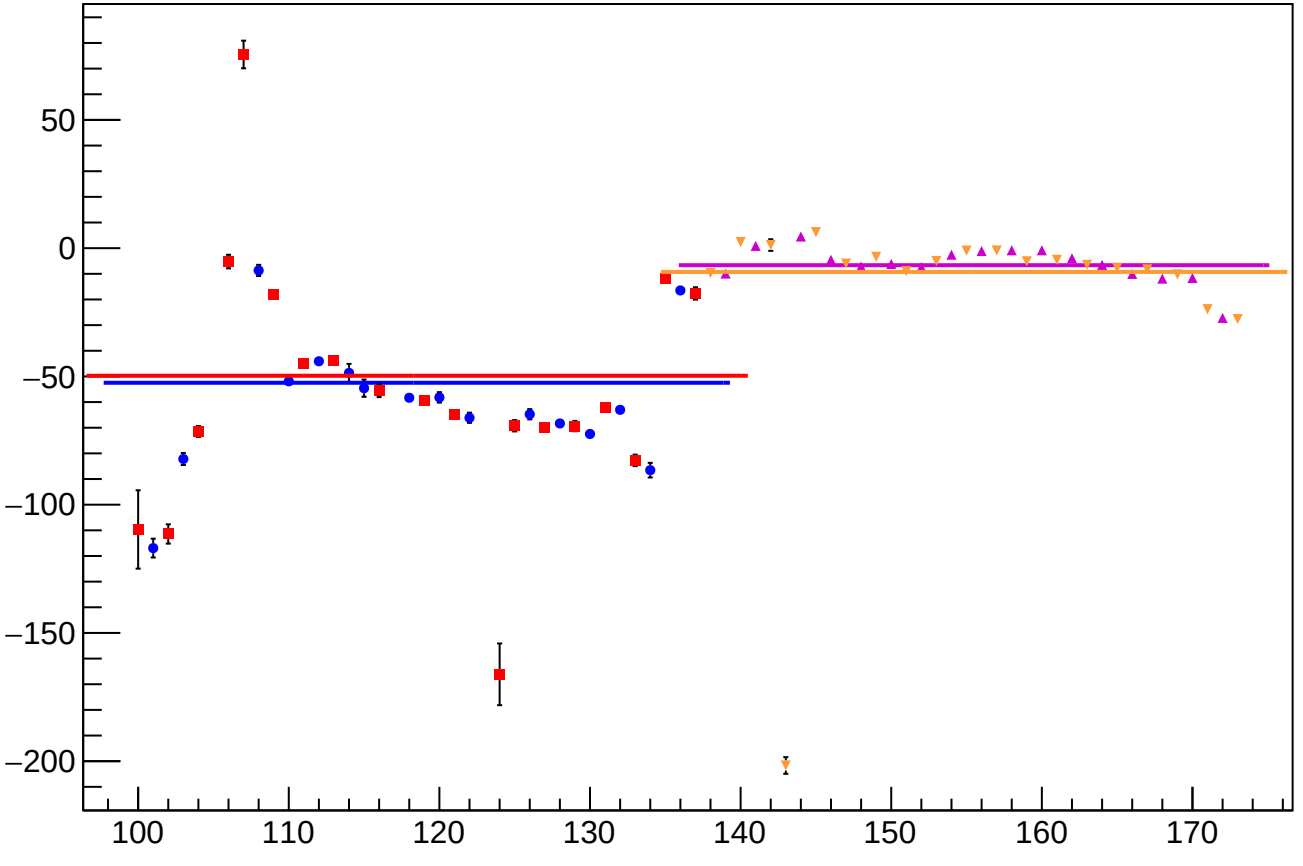
Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.064+/-0.214 χ^2/NDF:336.1/32

Out: 0.784+/-0.209 χ^2/NDF:351.1/37

All: 0.921+/-0.150 χ^2/NDF: 688.0/70

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -9.252+/-0.332 χ^2/NDF:4135.9/18

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -6.641+/-0.337 χ^2/NDF:411.2/16

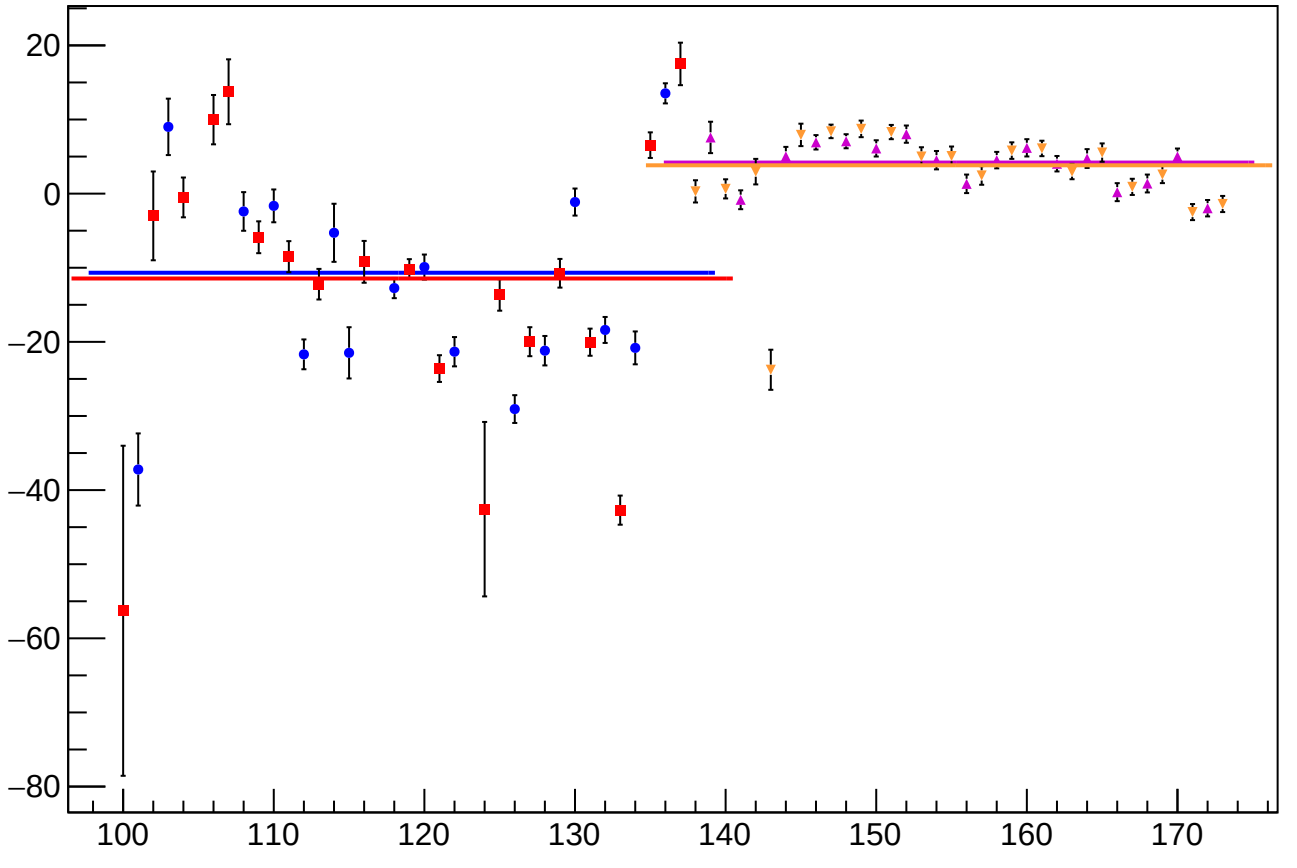
Left: -7.964+/-0.236 χ^2/NDF: 4577.6/35

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.427+/-0.277 χ^2/NDF:8719.9/32

Out: -21.861+/-0.276 χ^2/NDF:11768.4/37

All: -21.645+/-0.195 χ^2/NDF: 20489.5/70



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 3.823+/-0.272 χ^2/NDF:268.0/18

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 4.191+/-0.282 χ^2/NDF:105.9/16

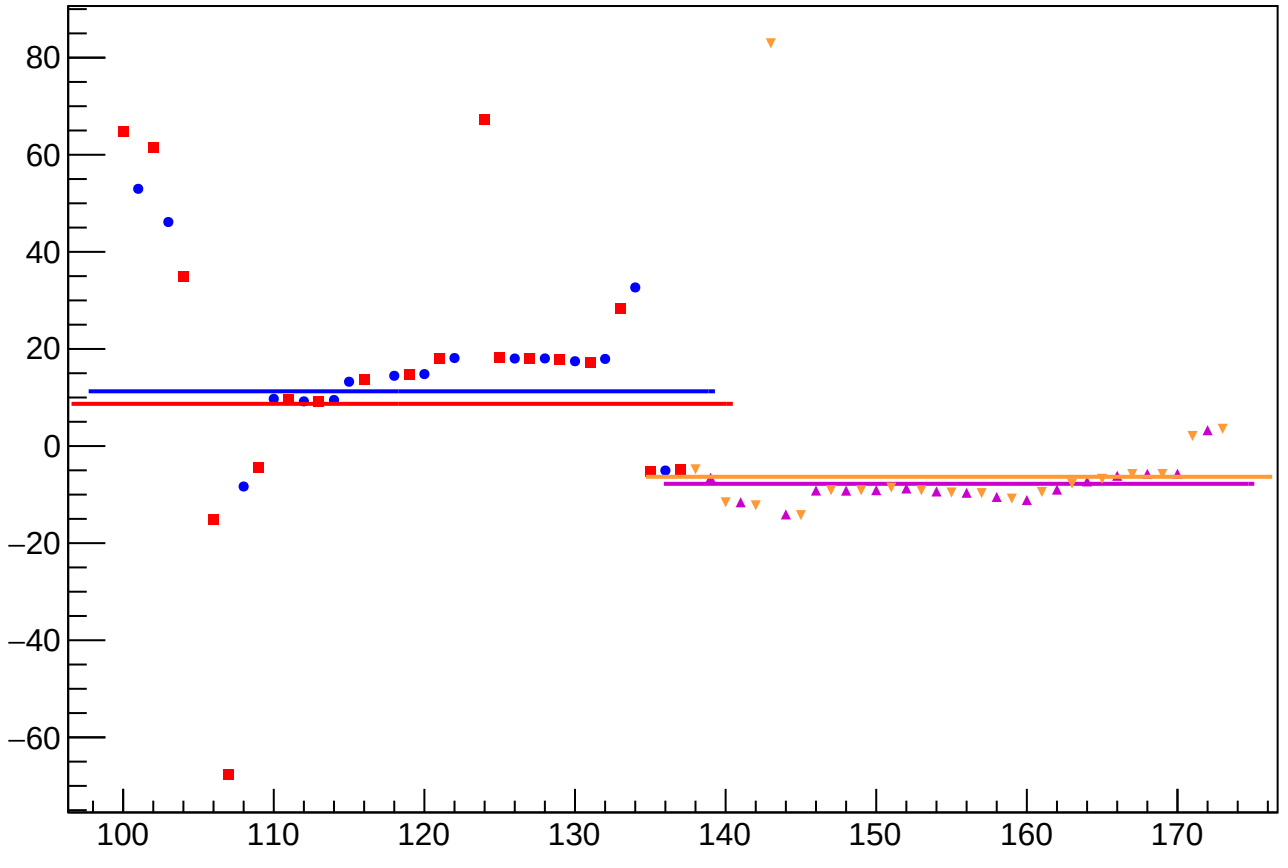
Left: 4.001+/-0.196 χ^2/NDF: 374.8/35

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: 0.670+/-0.246 χ^2/NDF:1432.4/32

Out: 0.500+/-0.241 χ^2/NDF:1619.1/37

All: 0.583+/-0.172 χ^2/NDF: 3051.7/70



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -6.331+/-0.012 χ^2/NDF:575745.9/18

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -7.777+/-0.012 χ^2/NDF:87330.7/16

Left: -7.045+/-0.009 χ^2/NDF: 669930.9/35

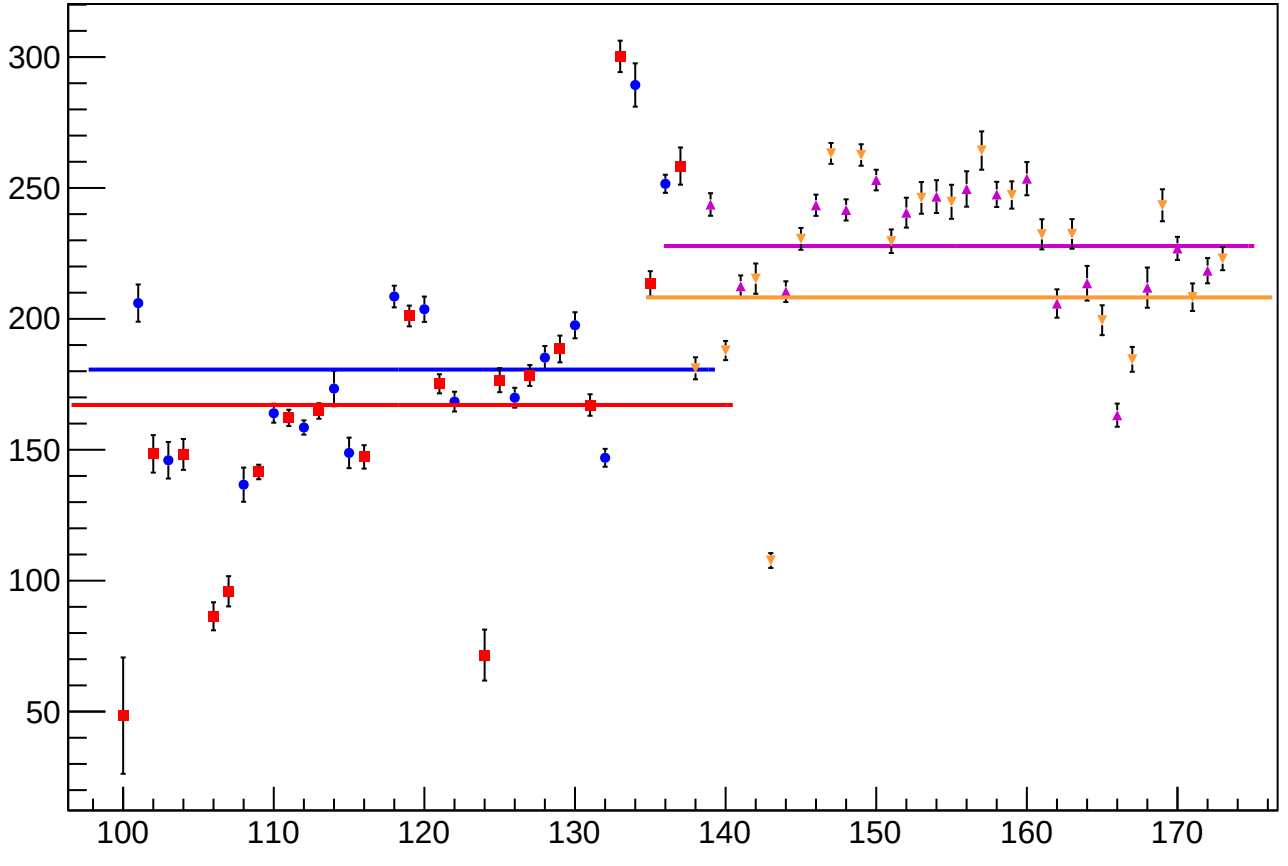
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -4.973+/-0.011 χ^2/NDF:782504.4/32

Out: -4.341+/-0.011 χ^2/NDF:1210376.1/37

All: -4.656+/-0.008 χ^2/NDF: 1994406.3/70

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: 208.201+/-1.072 χ^2/NDF:2034.4/18

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 227.820+/-1.172 χ^2/NDF:414.5/16

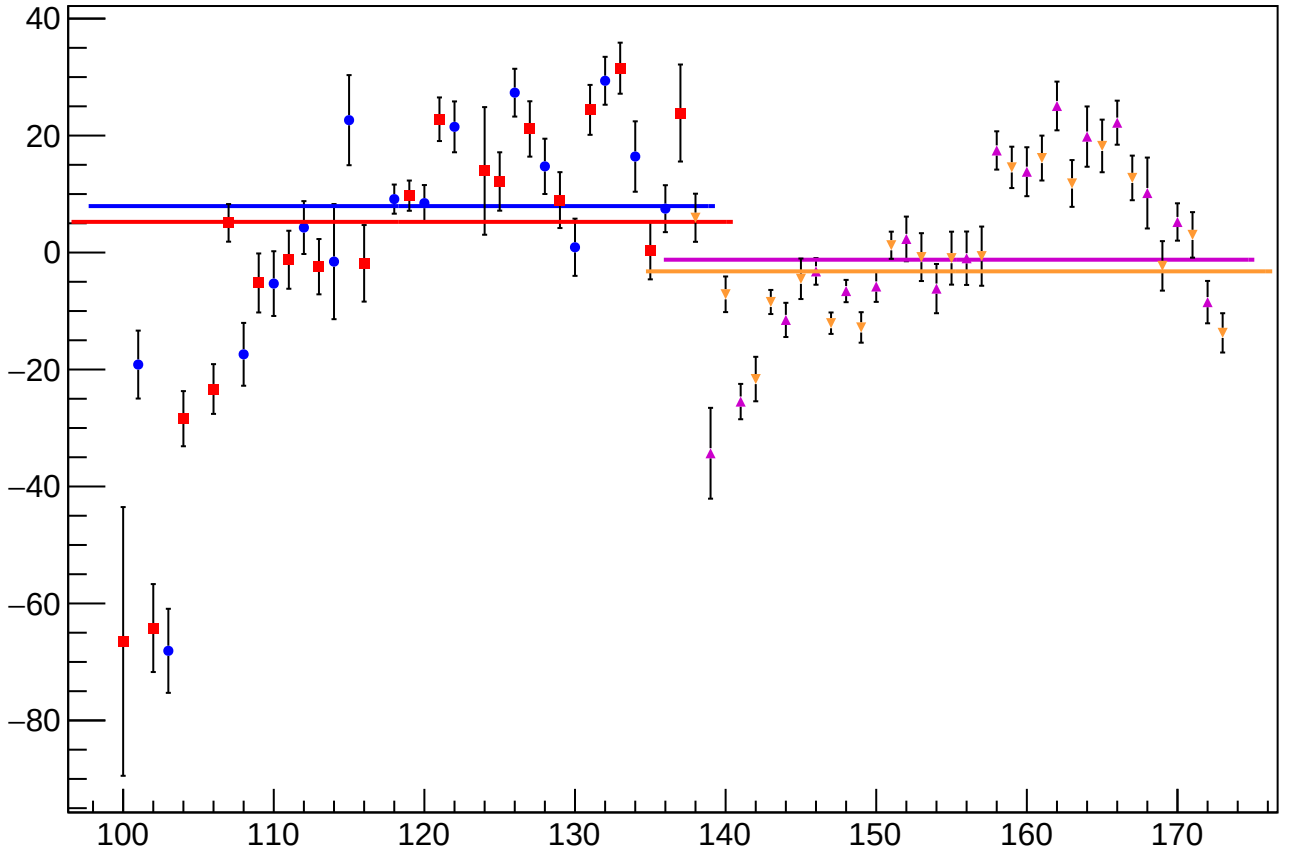
Left: 217.138+/-0.791 χ^2/NDF: 2601.4/35

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 202.510+/-0.798 χ^2/NDF:2277.3/32

Out: 186.648+/-0.739 χ^2/NDF:4289.8/37

All: 193.973+/-0.542 χ^2/NDF: 6779.8/70



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -3.215+/-0.731 χ^2/NDF:195.7/18

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -1.226+/-0.804 χ^2/NDF:261.3/16

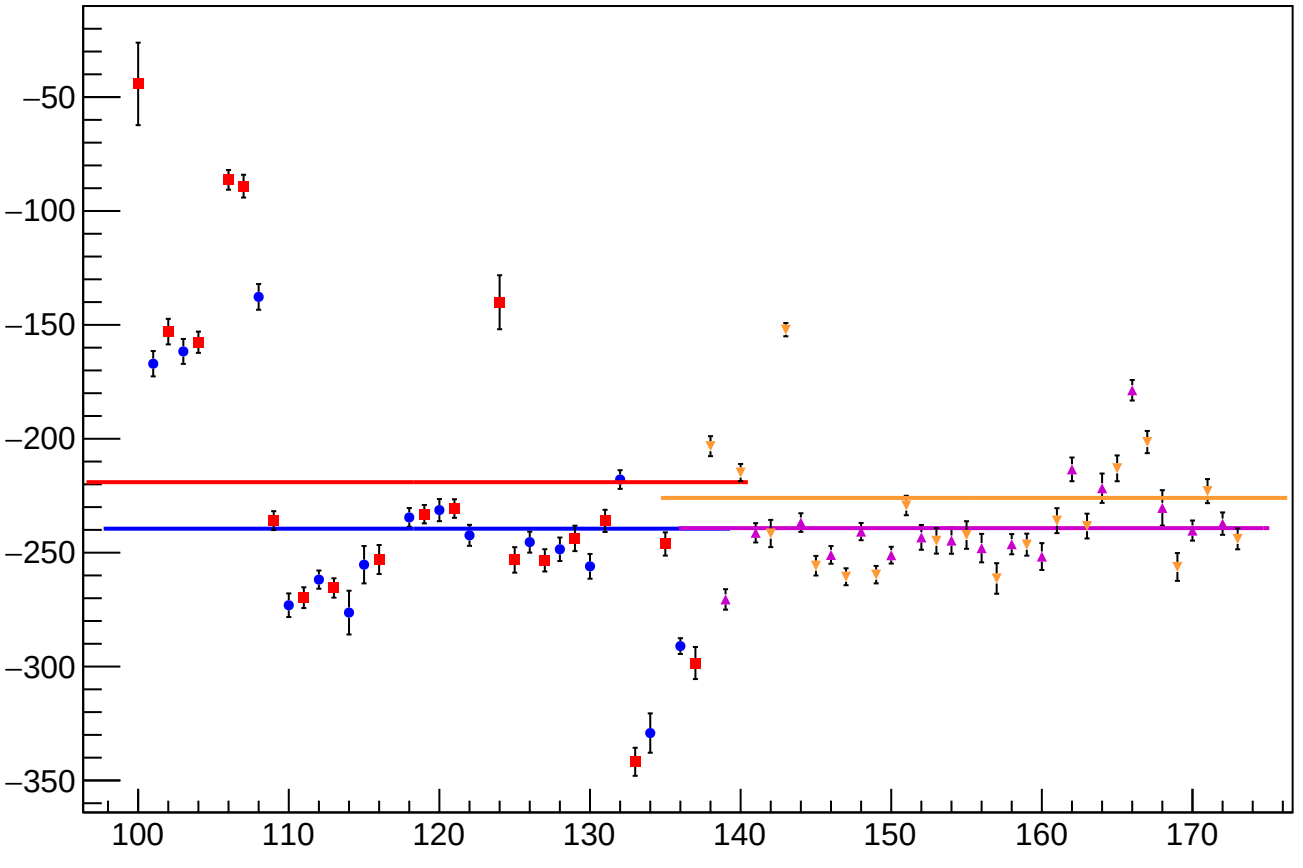
Left: -2.316+/-0.541 χ^2/NDF: 460.3/35

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 1.919+/-0.652 χ^2/NDF:538.7/32

Out: -0.496+/-0.602 χ^2/NDF:541.7/37

All: 0.615+/-0.442 χ^2/NDF: 1087.8/70



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -225.964+/-1.059 χ^2/NDF:1037.3/18

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -239.223+/-1.145 χ^2/NDF:293.1/16

Left: -232.080+/-0.777 χ^2/NDF: 1402.7/35

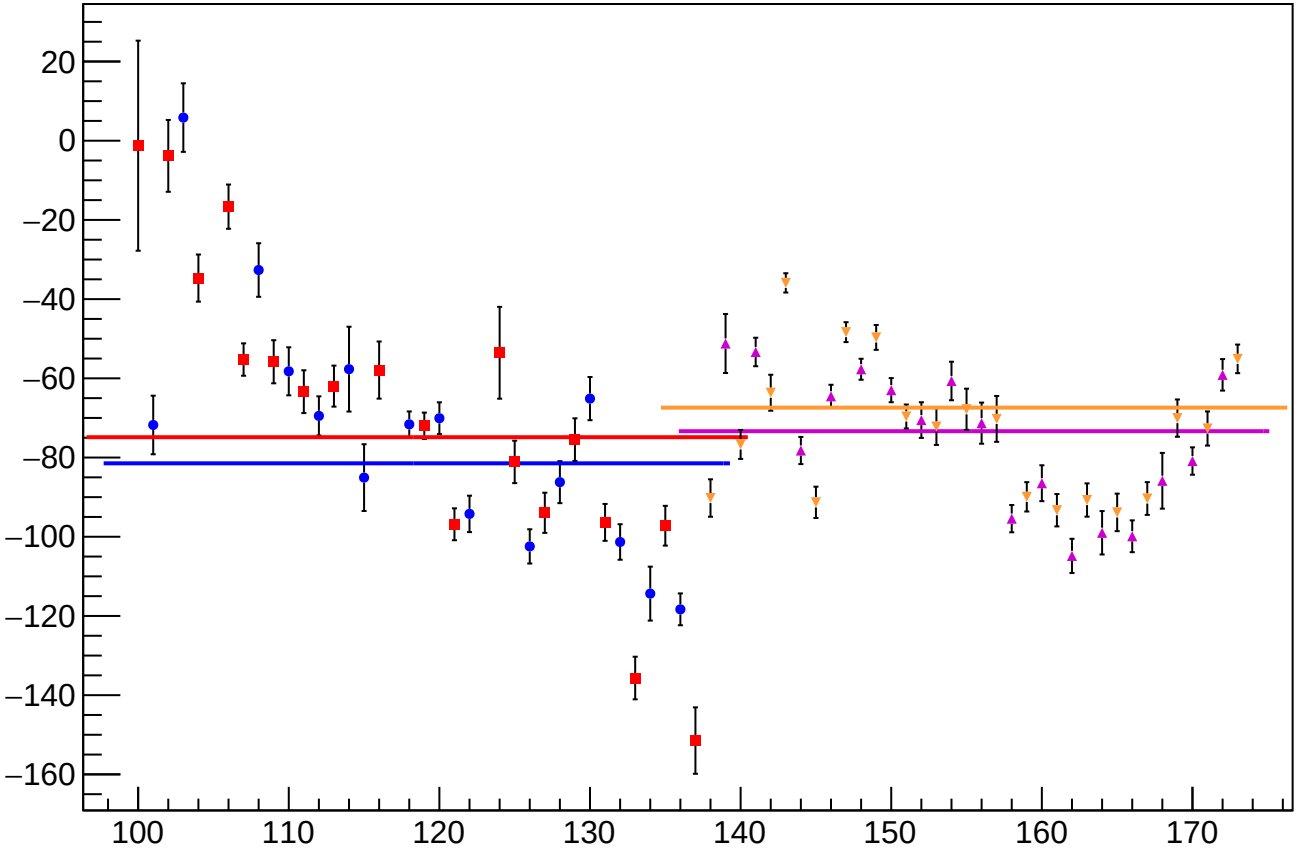
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -239.335+/-0.843 χ^2/NDF:1455.4/32

Out: -222.869+/-0.787 χ^2/NDF:4105.6/37

All: -230.541+/-0.575 χ^2/NDF: 5764.9/70

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: -67.395+/-0.860 χ^2/NDF:508.7/18

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -73.347+/-0.942 χ^2/NDF:293.6/16

Left: -70.102+/-0.635 χ^2/NDF: 824.0/35

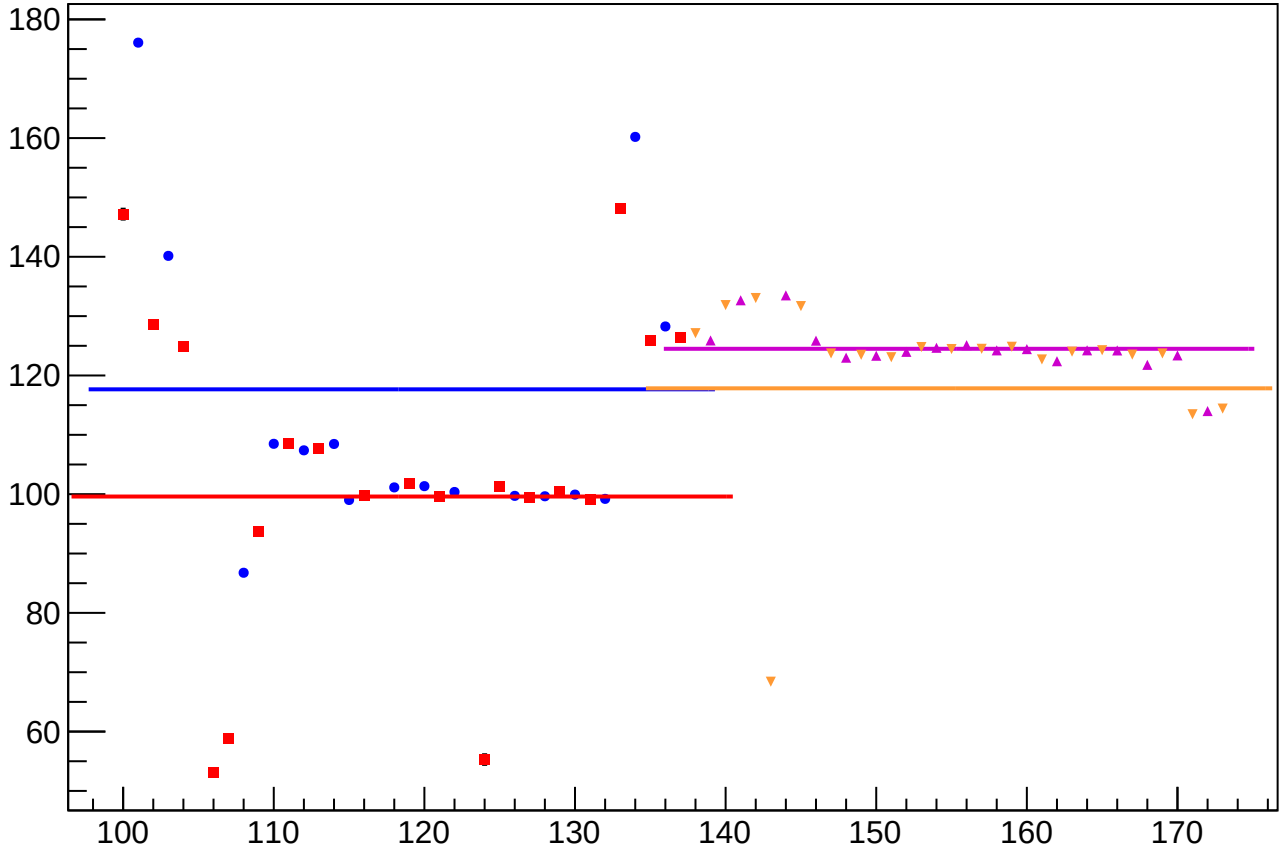
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -76.179+/-0.760 χ^2/NDF:686.0/32

Out: -69.848+/-0.705 χ^2/NDF:1110.0/37

All: -72.776+/-0.517 χ^2/NDF: 1833.3/70

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: 117.836+/-0.041 χ^2/NDF:199236.9/18

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 124.495+/-0.043 χ^2/NDF:9117.7/16

Left: 120.962+/-0.030 χ^2/NDF: 220876.5/35

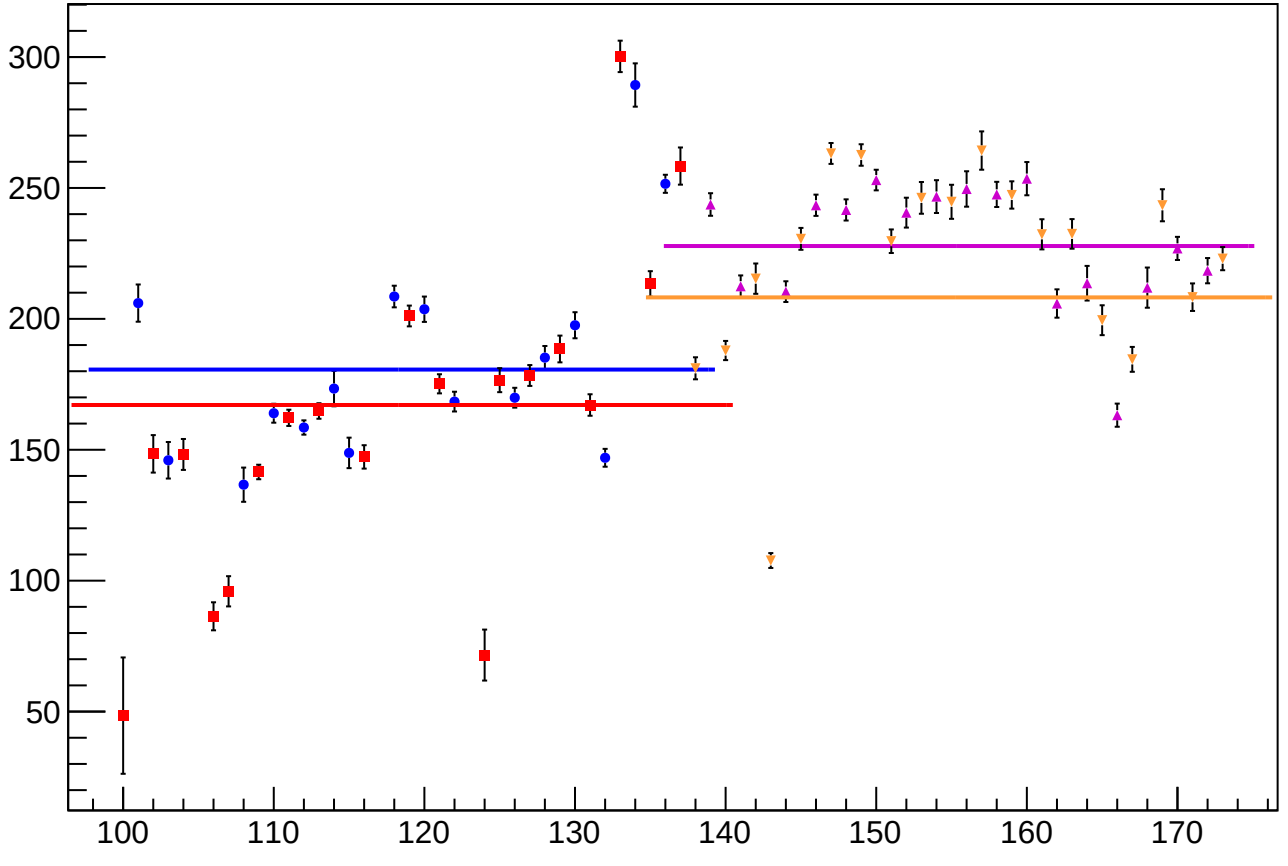
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.892+/-0.038 χ^2/NDF:110342.9/32

Out: 113.246+/-0.035 χ^2/NDF:415794.5/37

All: 117.721+/-0.026 χ^2/NDF: 560824.7/70

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: 208.201+/-1.072 χ^2/NDF:2034.4/18

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 227.820+/-1.172 χ^2/NDF:414.5/16

Left: 217.138+/-0.791 χ^2/NDF: 2601.4/35

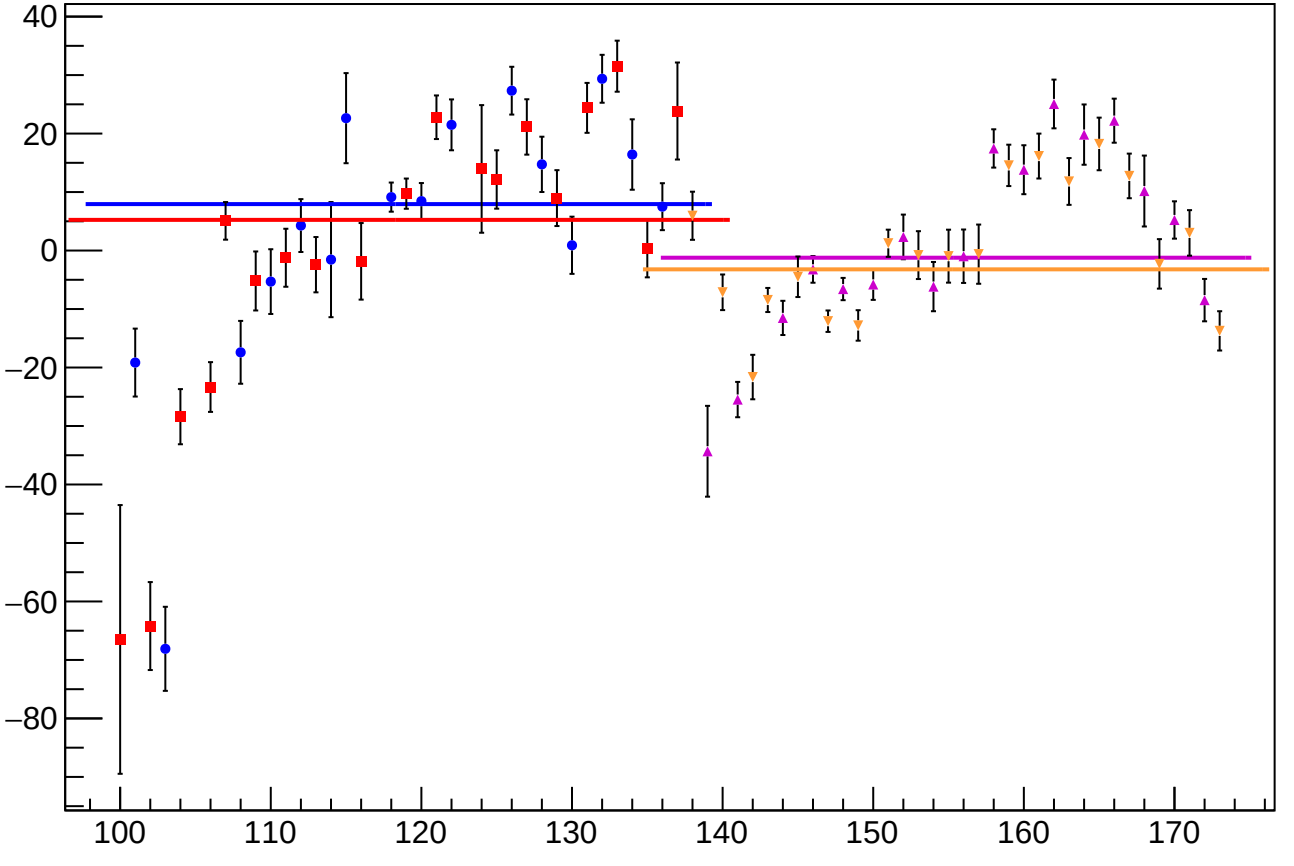
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 202.510+/-0.798 χ^2/NDF:2277.3/32

Out: 186.648+/-0.739 χ^2/NDF:4289.8/37

All: 193.973+/-0.542 χ^2/NDF: 6779.8/70

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -3.215+/-0.731 χ^2/NDF:195.7/18

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -1.226+/-0.804 χ^2/NDF:261.3/16

Left: -2.316+/-0.541 χ^2/NDF: 460.3/35

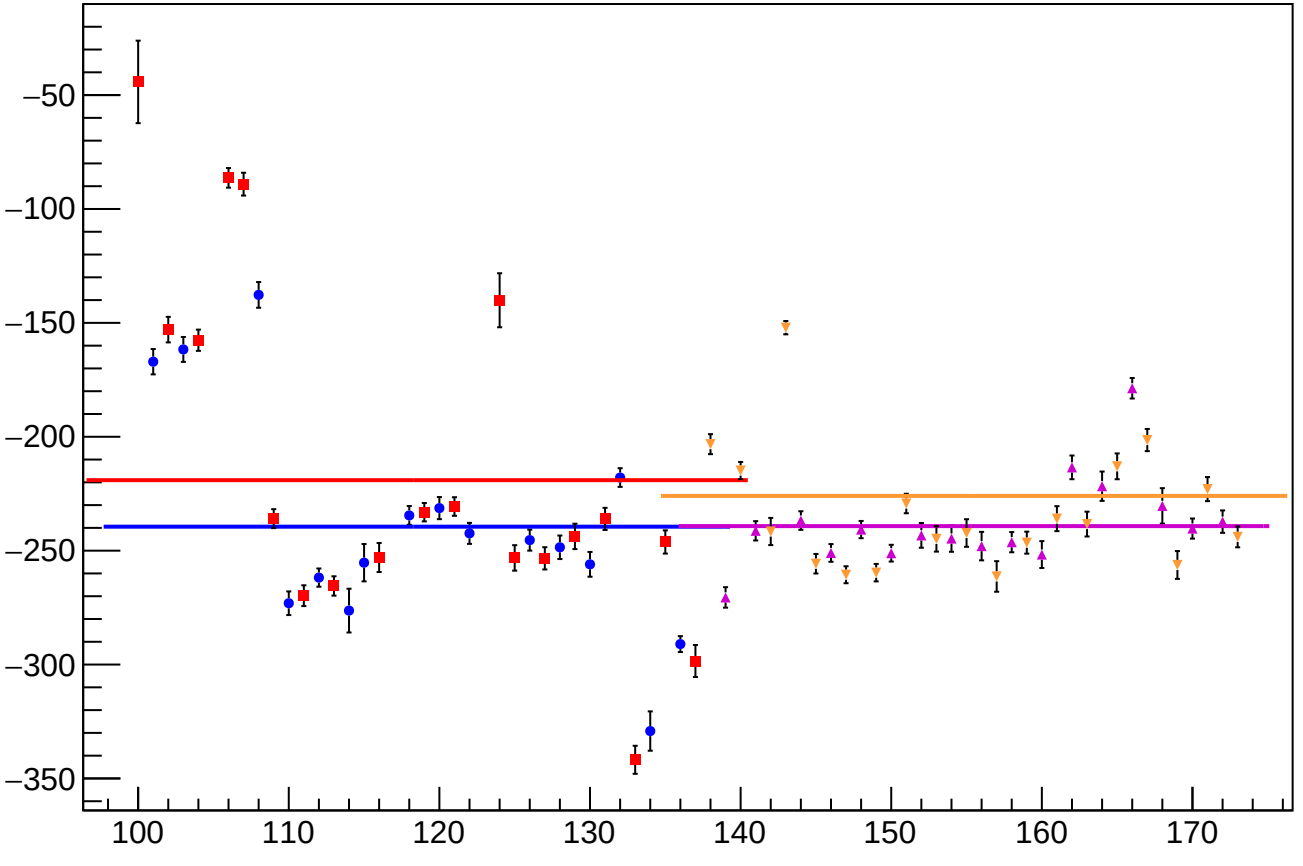
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 1.919+/-0.652 χ^2/NDF:538.7/32

Out: -0.496+/-0.602 χ^2/NDF:541.7/37

All: 0.615+/-0.442 χ^2/NDF: 1087.8/70

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: -225.964+/-1.059 χ^2/NDF:1037.3/18

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -239.223+/-1.145 χ^2/NDF:293.1/16

Left: -232.080+/-0.777 χ^2/NDF: 1402.7/35

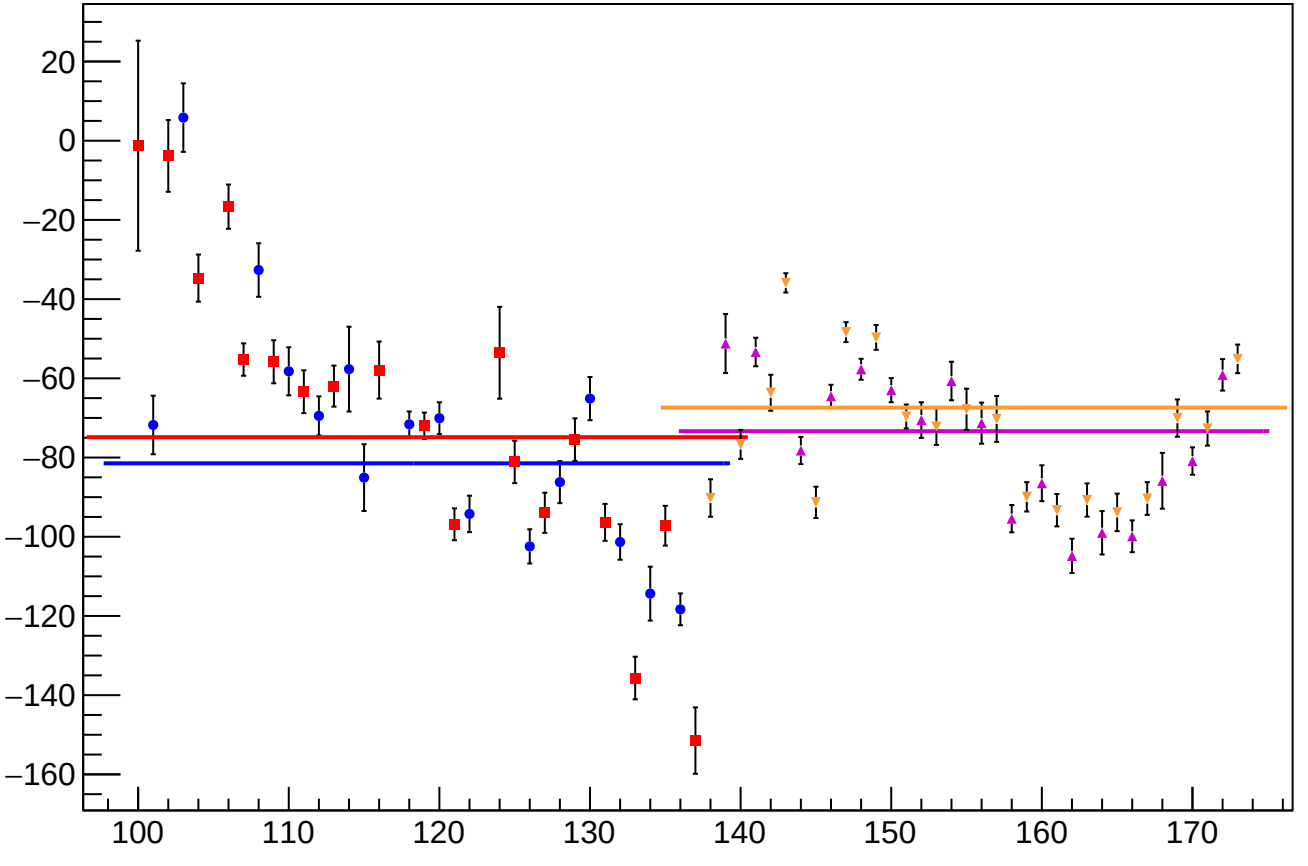
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -239.335+/-0.843 χ^2/NDF:1455.4/32

Out: -222.869+/-0.787 χ^2/NDF:4105.6/37

All: -230.541+/-0.575 χ^2/NDF: 5764.9/70

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: -67.395+/-0.860 χ^2/NDF:508.7/18

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -73.347+/-0.942 χ^2/NDF:293.6/16

Left: -70.102+/-0.635 χ^2/NDF: 824.0/35

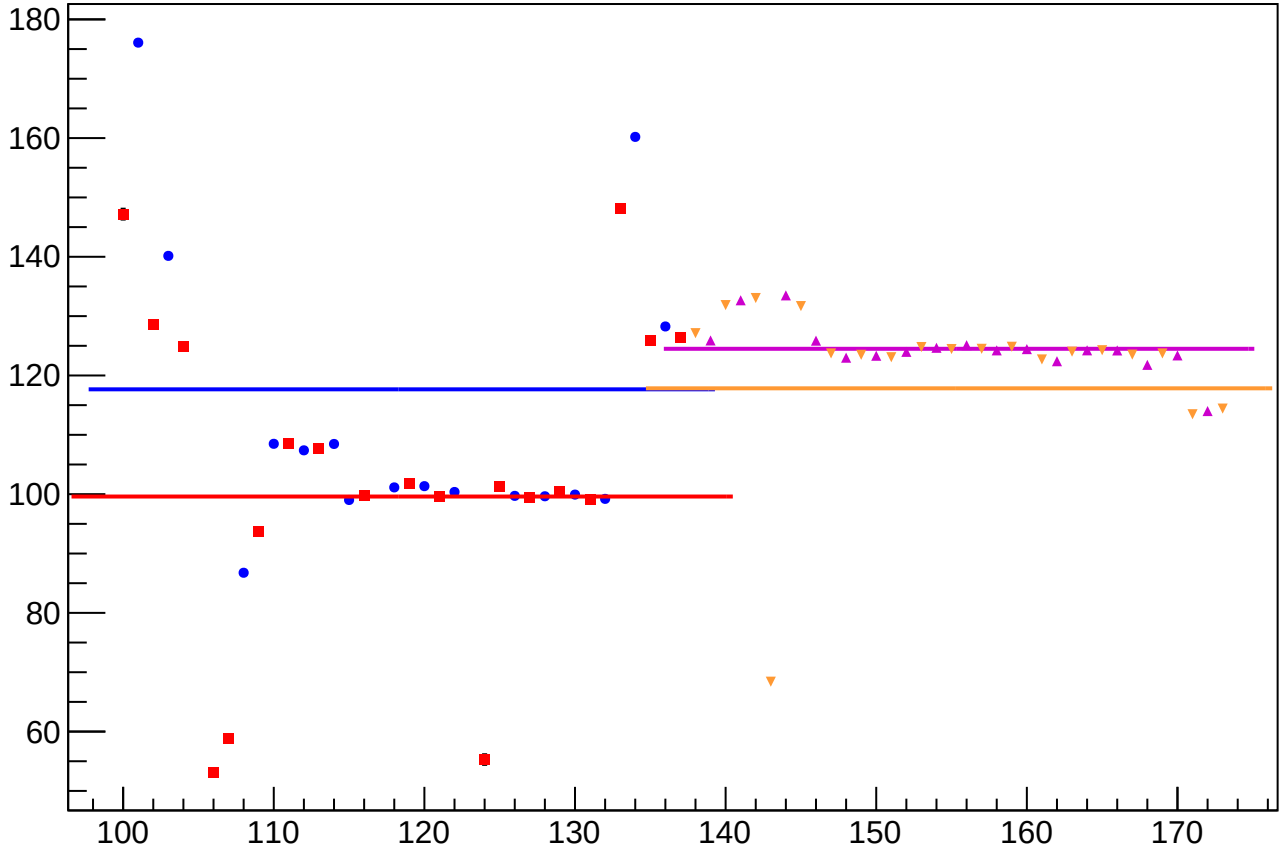
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -76.179+/-0.760 χ^2/NDF:686.0/32

Out: -69.848+/-0.705 χ^2/NDF:1110.0/37

All: -72.776+/-0.517 χ^2/NDF: 1833.3/70

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: 117.836+/-0.041 χ^2/NDF:199236.9/18

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 124.495+/-0.043 χ^2/NDF:9117.7/16

Left: 120.962+/-0.030 χ^2/NDF: 220876.5/35

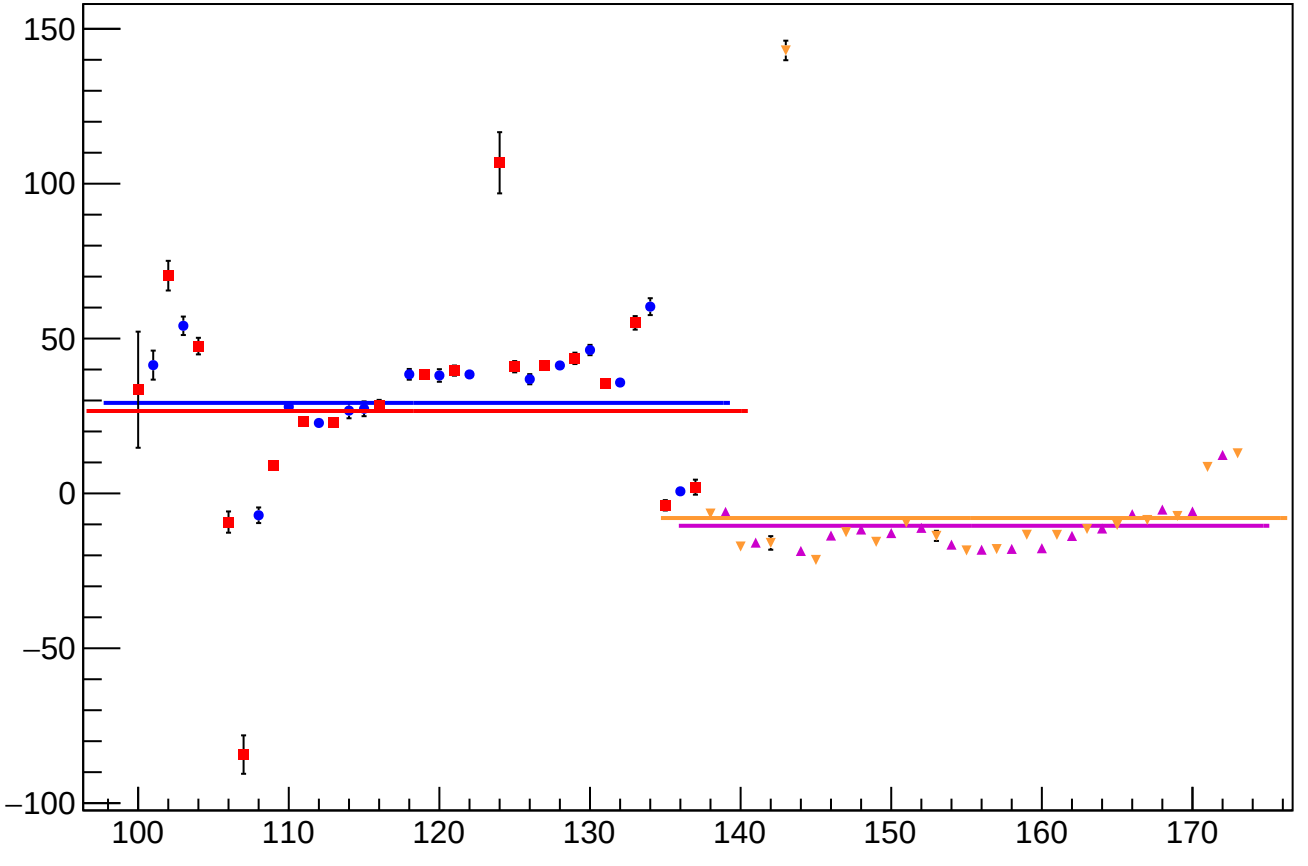
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.892+/-0.038 χ^2/NDF:110342.9/32

Out: 113.246+/-0.035 χ^2/NDF:415794.5/37

All: 117.721+/-0.026 χ^2/NDF: 560824.7/70

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -7.947+/-0.339 χ^2/NDF:3007.7/18

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -10.450+/-0.345 χ^2/NDF:485.4/16

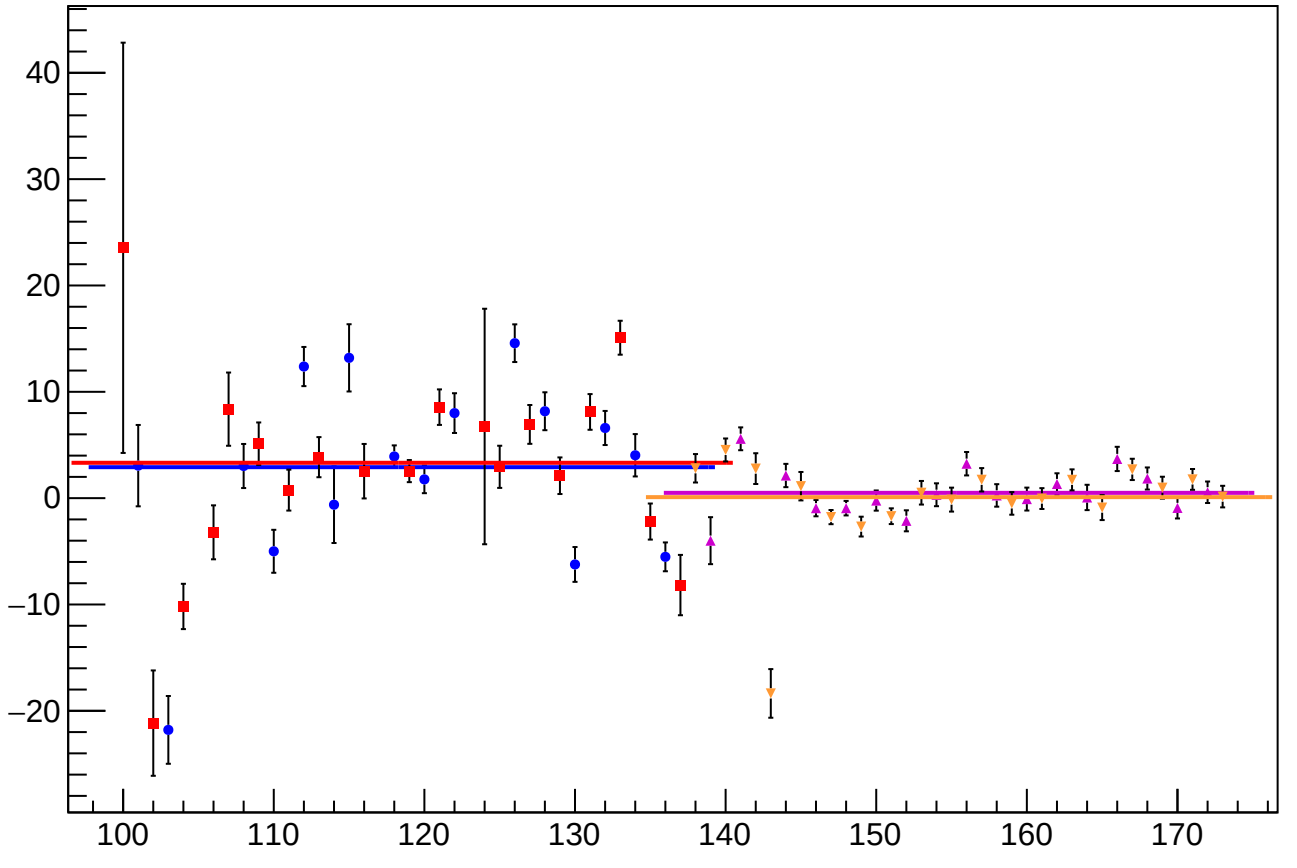
Left: -9.177+/-0.242 χ^2/NDF: 3519.9/35

Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.332+/-0.268 χ^2/NDF:7095.8/32

Out: 5.919+/-0.262 χ^2/NDF:9098.0/37

All: 5.631+/-0.187 χ^2/NDF: 16196.3/70



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 0.095+/-0.236 χ^2/NDF:129.4/18

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.499+/-0.245 χ^2/NDF:63.3/16

Left: 0.290+/-0.170 χ^2/NDF: 194.1/35

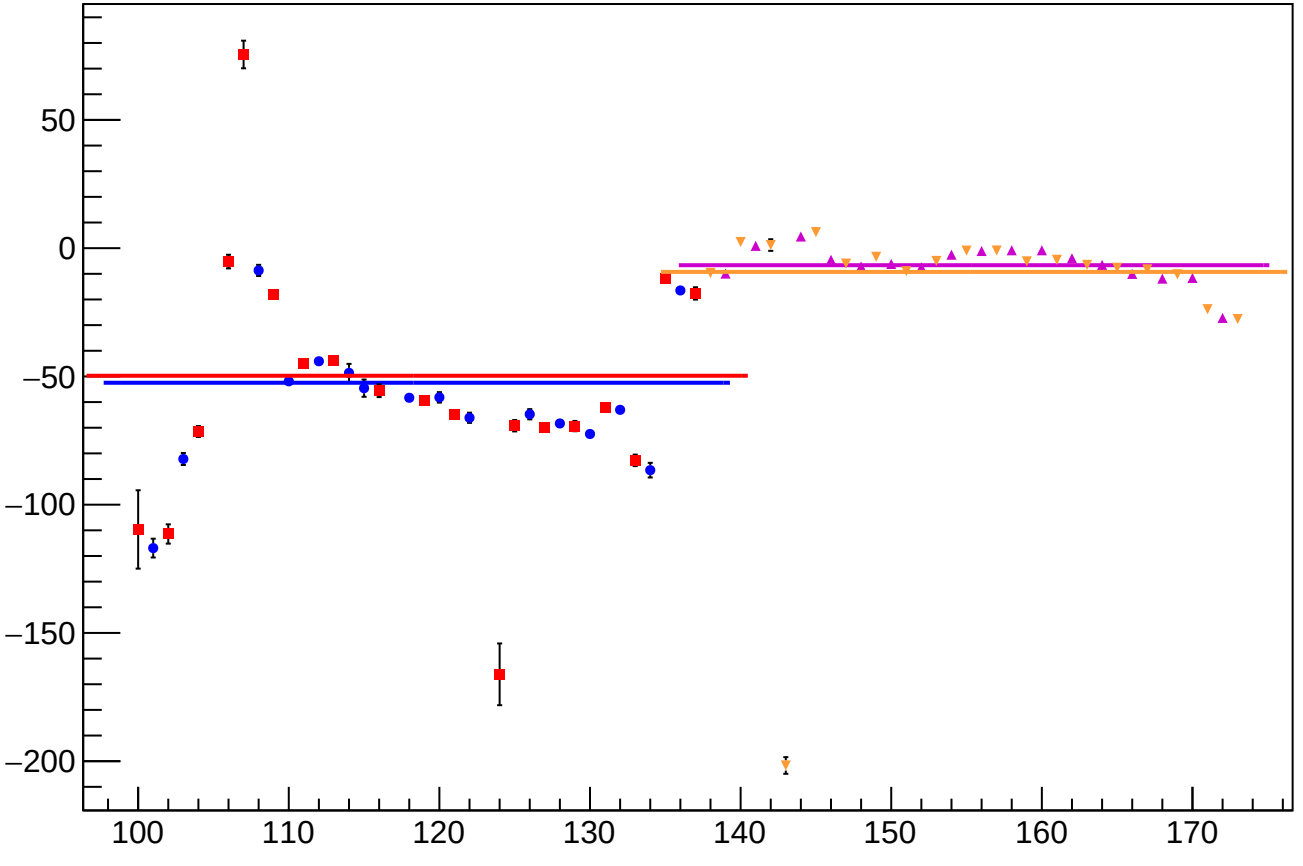
Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.064+/-0.214 χ^2/NDF:336.1/32

Out: 0.784+/-0.209 χ^2/NDF:351.1/37

All: 0.921+/-0.150 χ^2/NDF: 688.0/70

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -9.252+/-0.332 χ^2/NDF:4135.9/18

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -6.641+/-0.337 χ^2/NDF:411.2/16

Left: -7.964+/-0.236 χ^2/NDF: 4577.6/35

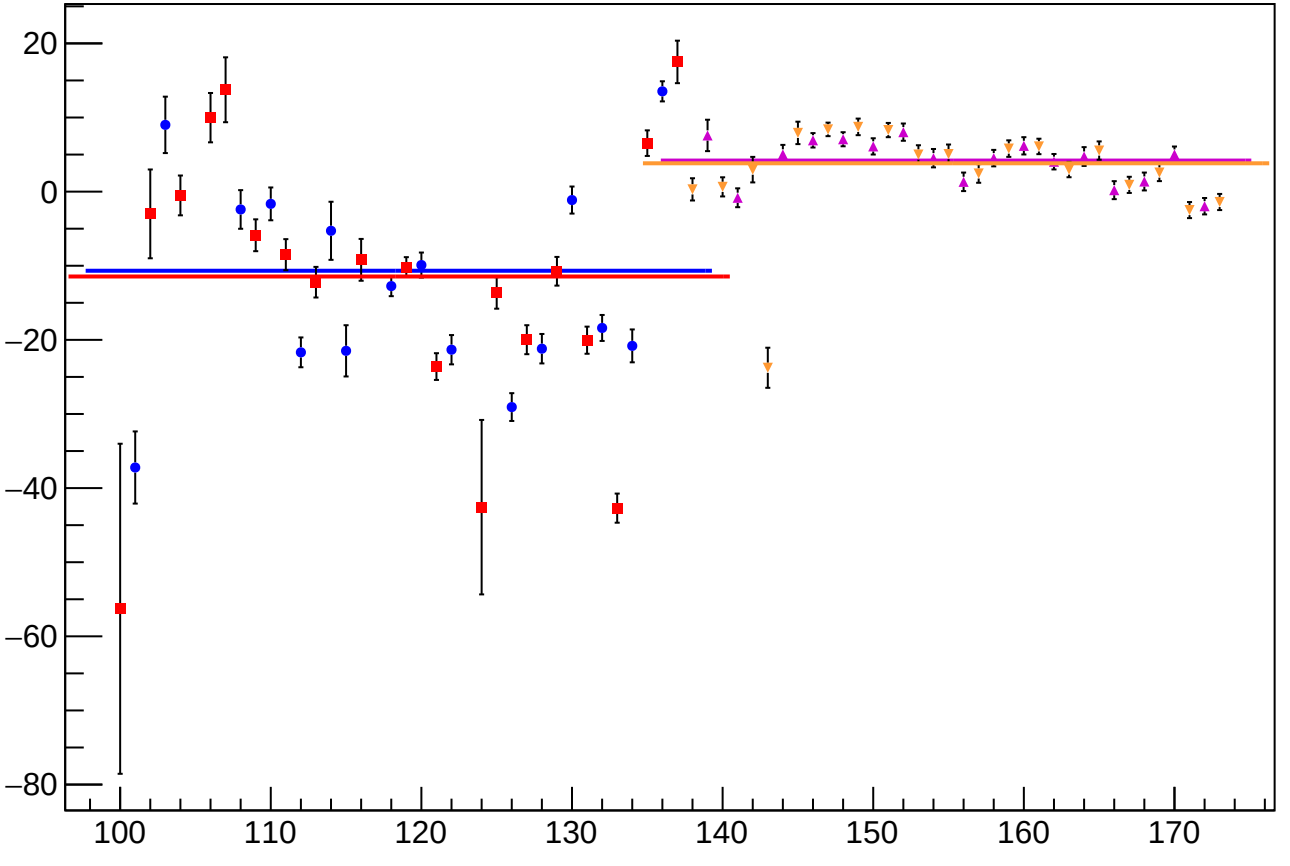
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.427+/-0.277 χ^2/NDF:8719.9/32

Out: -21.861+/-0.276 χ^2/NDF:11768.4/37

All: -21.645+/-0.195 χ^2/NDF: 20489.5/70

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 3.823+/-0.272 χ^2/NDF:268.0/18

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 4.191+/-0.282 χ^2/NDF:105.9/16

Left: 4.001+/-0.196 χ^2/NDF: 374.8/35

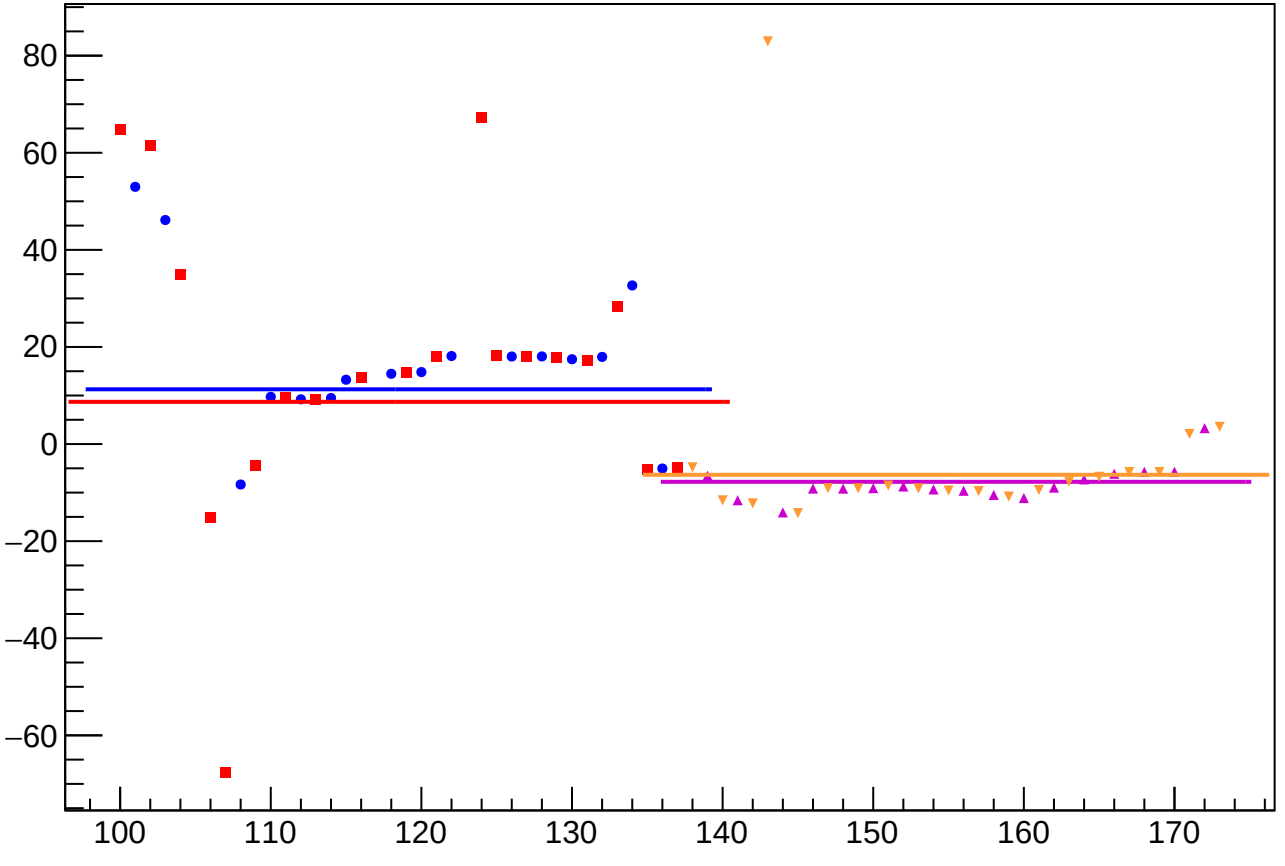
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: 0.670+/-0.246 χ^2/NDF:1432.4/32

Out: 0.500+/-0.241 χ^2/NDF:1619.1/37

All: 0.583+/-0.172 χ^2/NDF: 3051.7/70

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -6.331+/-0.012 χ^2/NDF:575745.9/18

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -7.777+/-0.012 χ^2/NDF:87330.7/16

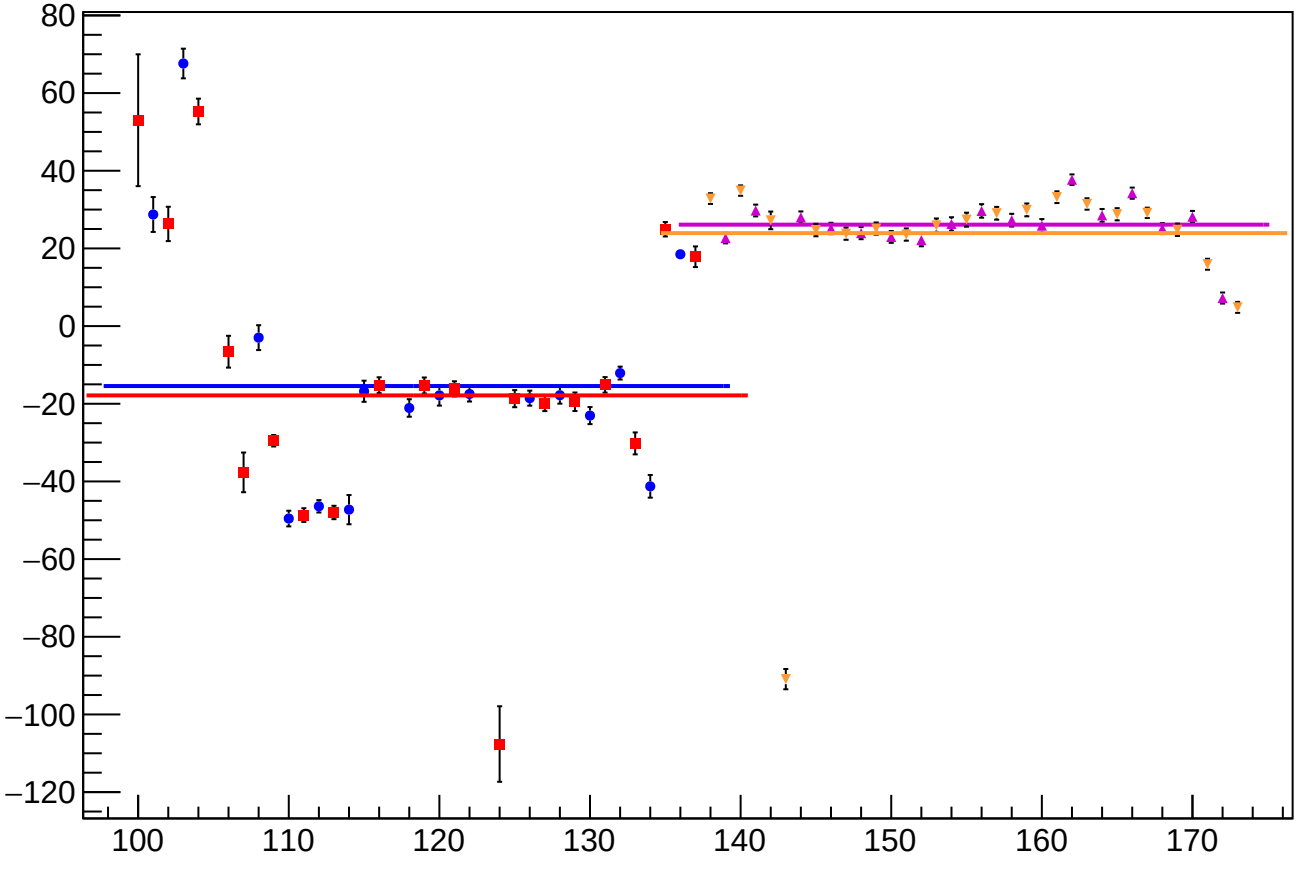
Left: -7.045+/-0.009 χ^2/NDF: 669930.9/35

Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -4.973+/-0.011 χ^2/NDF:782504.4/32

Out: -4.341+/-0.011 χ^2/NDF:1210376.1/37

All: -4.656+/-0.008 χ^2/NDF: 1994406.3/70



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 23.936+/-0.362 χ^2/NDF:2374.4/18

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 26.119+/-0.369 χ^2/NDF:315.9/16

Left: 25.005+/-0.259 χ^2/NDF: 2708.1/35

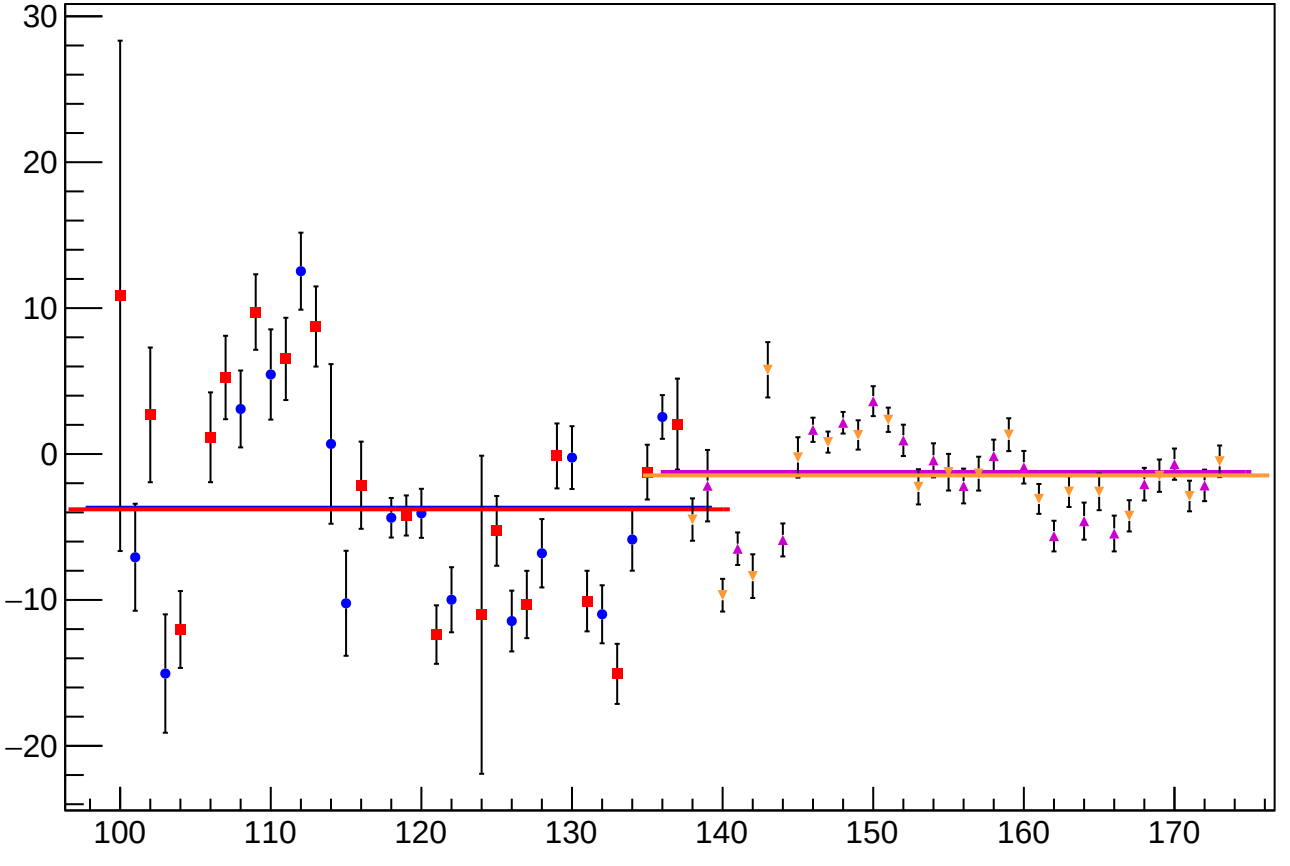
Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 12.839+/-0.305 χ^2/NDF:6484.3/32

Out: 10.633+/-0.299 χ^2/NDF:8742.0/37

All: 11.715+/-0.213 χ^2/NDF: 15253.0/70

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -1.465+/-0.253 χ^2/NDF:153.5/18

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -1.231+/-0.262 χ^2/NDF:138.8/16

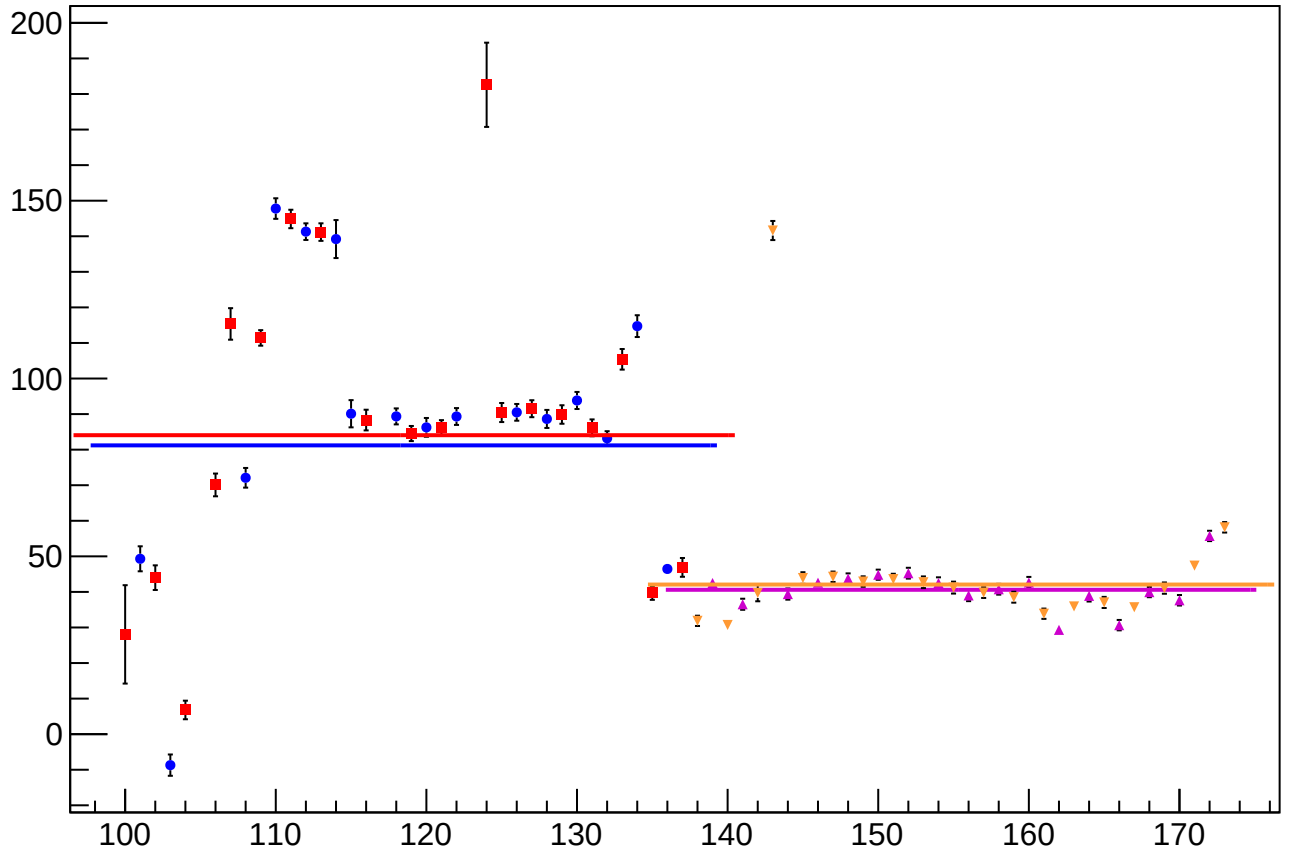
Left: -1.352+/-0.182 χ^2/NDF: 292.7/35

Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.681+/-0.237 χ^2/NDF:278.8/32

Out: -1.854+/-0.231 χ^2/NDF:328.9/37

All: -1.770+/-0.165 χ^2/NDF: 608.0/70



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 42.070+/-0.355 χ^2/NDF:1721.8/18

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.597+/-0.361 χ^2/NDF:272.3/16

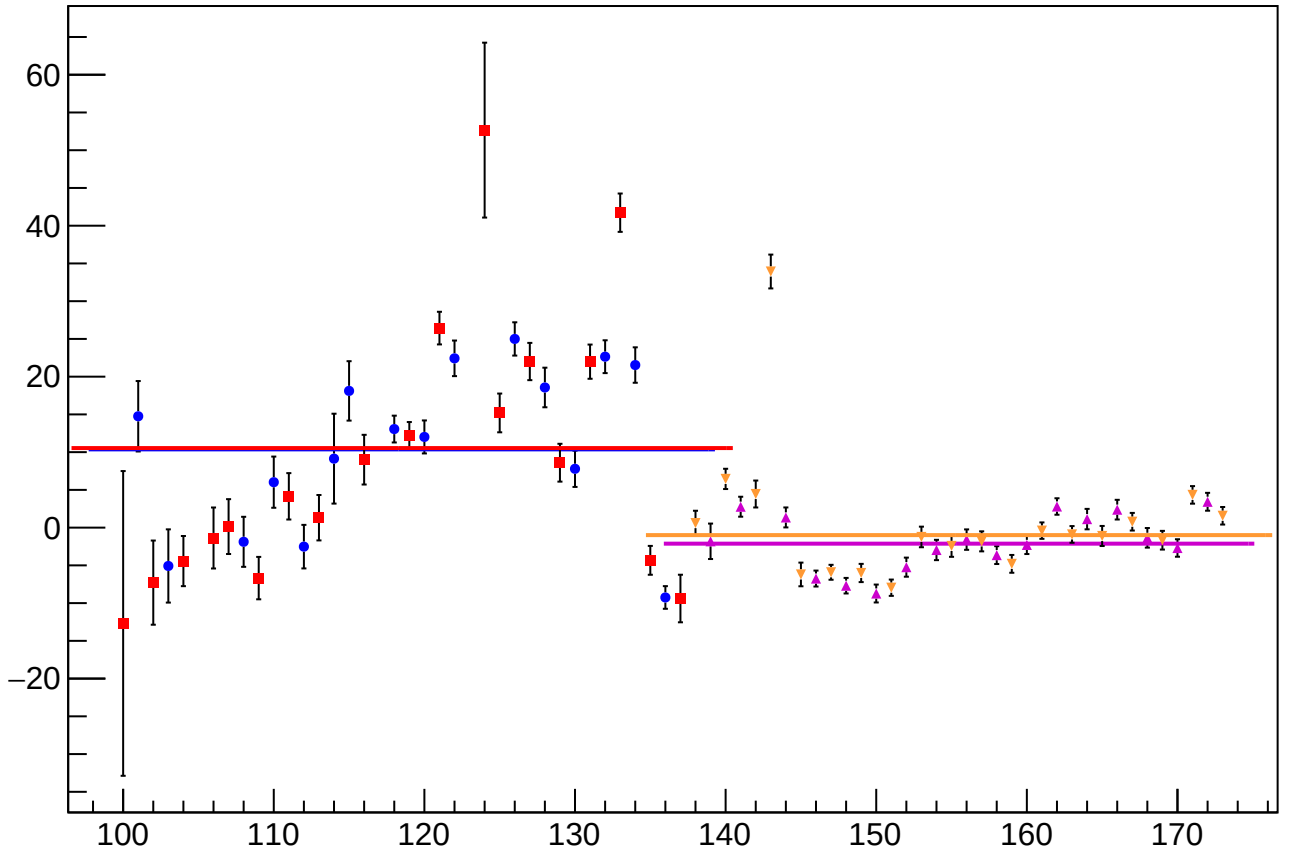
Left: 41.345+/-0.253 χ^2/NDF: 2002.5/35

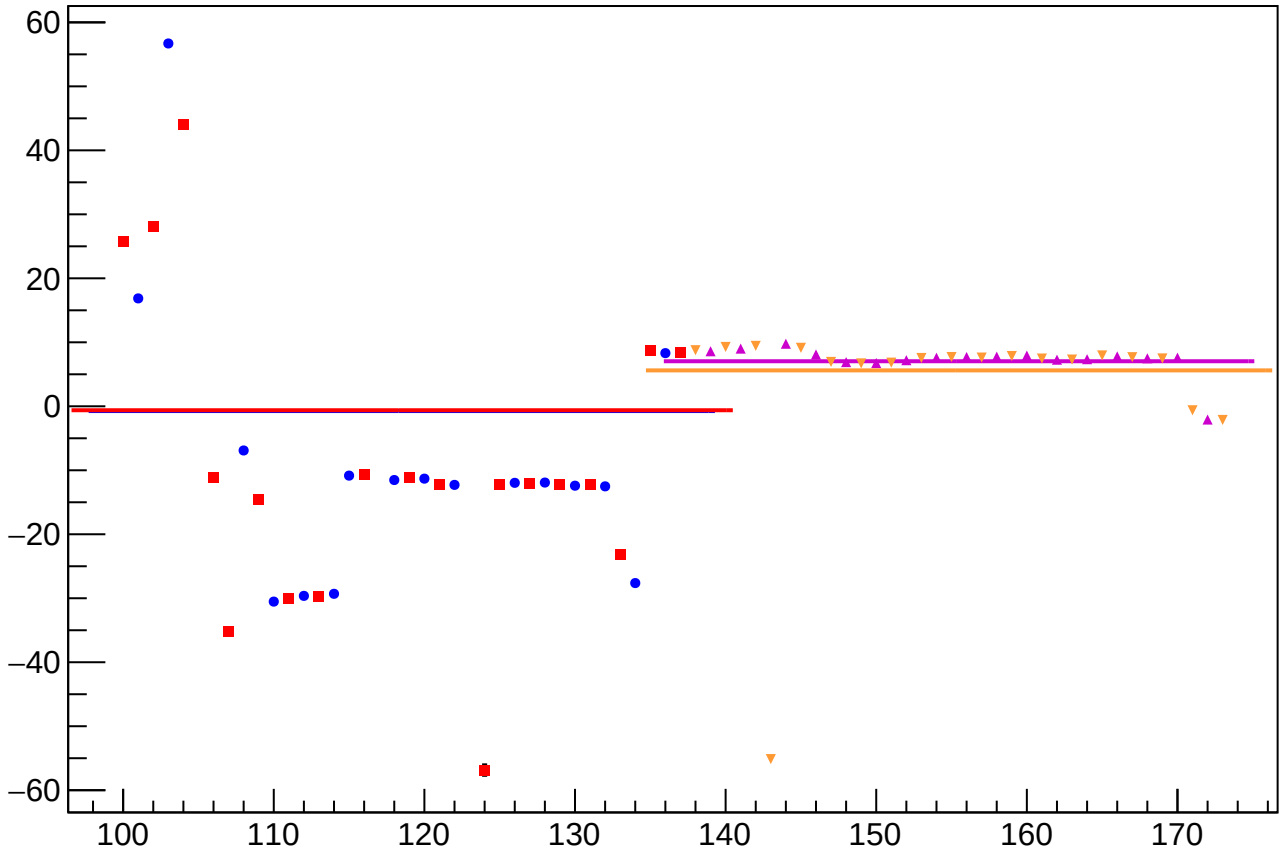
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 51.193+/-0.310 χ^2/NDF:6809.5/32

Out: 52.537+/-0.308 χ^2/NDF:8414.5/37

All: 51.870+/-0.218 χ^2/NDF: 15233.5/70


reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: -0.991+/-0.291 χ²/NDF:419.2/18
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -2.124+/-0.301 χ²/NDF:168.9/16
Left: -1.538+/-0.209 χ²/NDF: 595.5/35
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: 0.220+/-0.271 χ²/NDF:851.6/32
Out: 0.982+/-0.265 χ²/NDF:1158.8/37
All: 0.611+/-0.190 χ²/NDF: 2014.4/70



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 5.611+/-0.013 χ^2/NDF:360381.5/18

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.040+/-0.013 χ^2/NDF:38525.2/16

Left: 6.315+/-0.009 χ^2/NDF: 404731.5/35

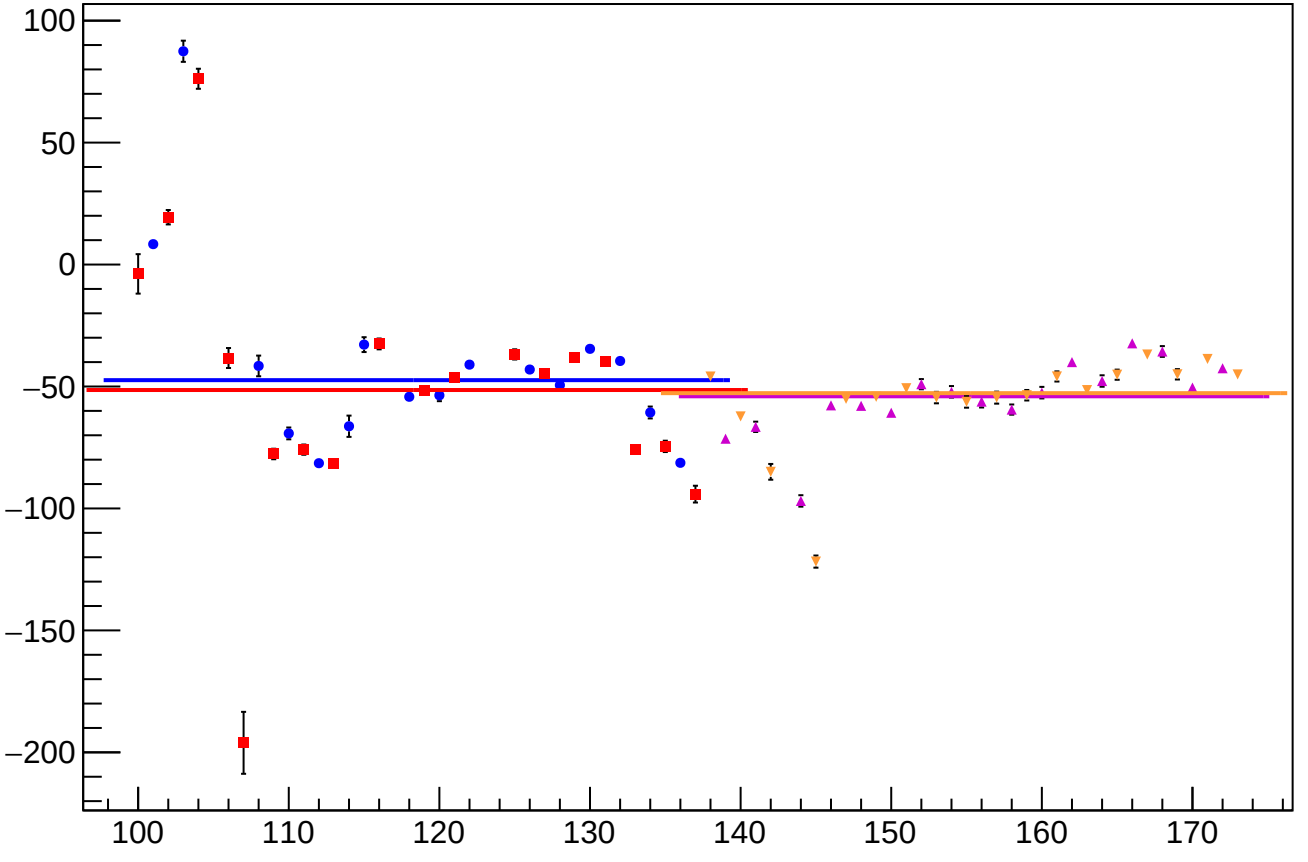
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.095+/-0.012 χ^2/NDF:447881.9/32

Out: 4.924+/-0.012 χ^2/NDF:701647.0/37

All: 5.505+/-0.009 χ^2/NDF: 1153954.5/70

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: -52.729+/-0.485 χ^2/NDF:1106.2/17

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -54.018+/-0.491 χ^2/NDF:820.9/16

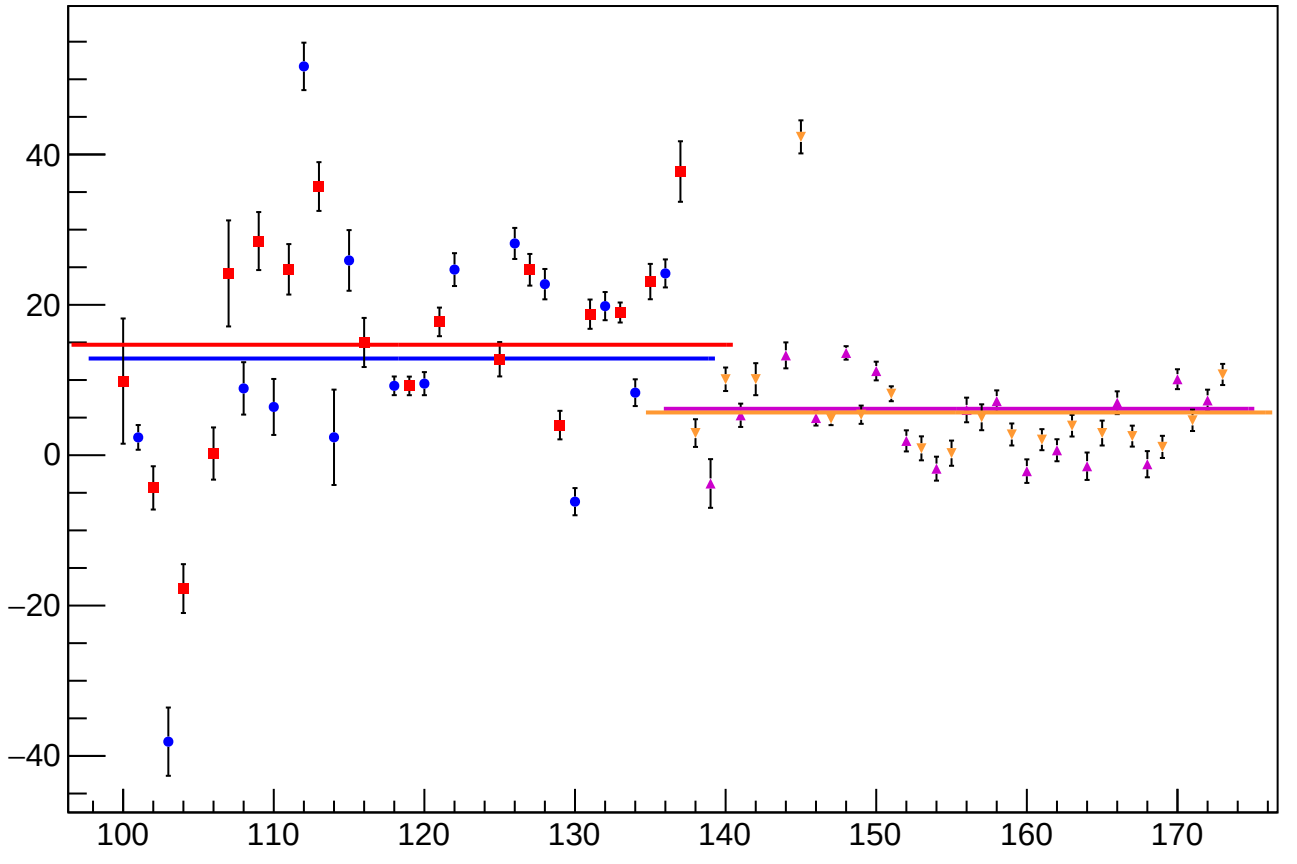
Left: -53.365+/-0.345 χ^2/NDF: 1930.6/34

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -50.991+/-0.362 χ^2/NDF:3673.0/32

Out: -52.161+/-0.362 χ^2/NDF:3982.1/35

All: -51.575+/-0.256 χ^2/NDF: 7660.2/68



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 5.685+/-0.332 χ^2/NDF:362.2/17

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 6.172+/-0.343 χ^2/NDF:235.5/16

Left: 5.921+/-0.239 χ^2/NDF: 598.7/34

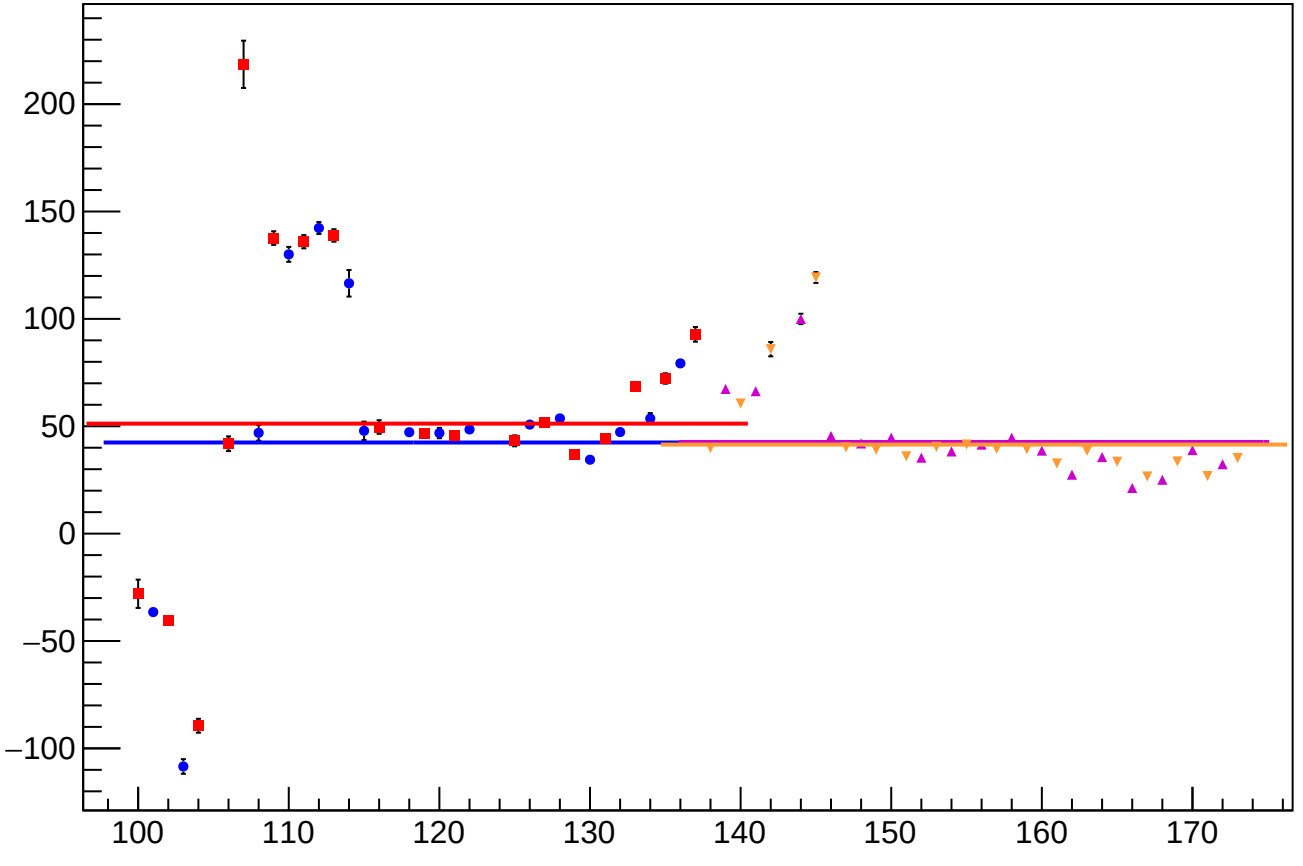
Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 8.206+/-0.286 χ^2/NDF:976.6/32

Out: 8.131+/-0.284 χ^2/NDF:925.7/35

All: 8.169+/-0.201 χ^2/NDF: 1902.4/68

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 41.469+/-0.474 χ^2/NDF:1434.5/17

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 42.681+/-0.479 χ^2/NDF:1196.0/16

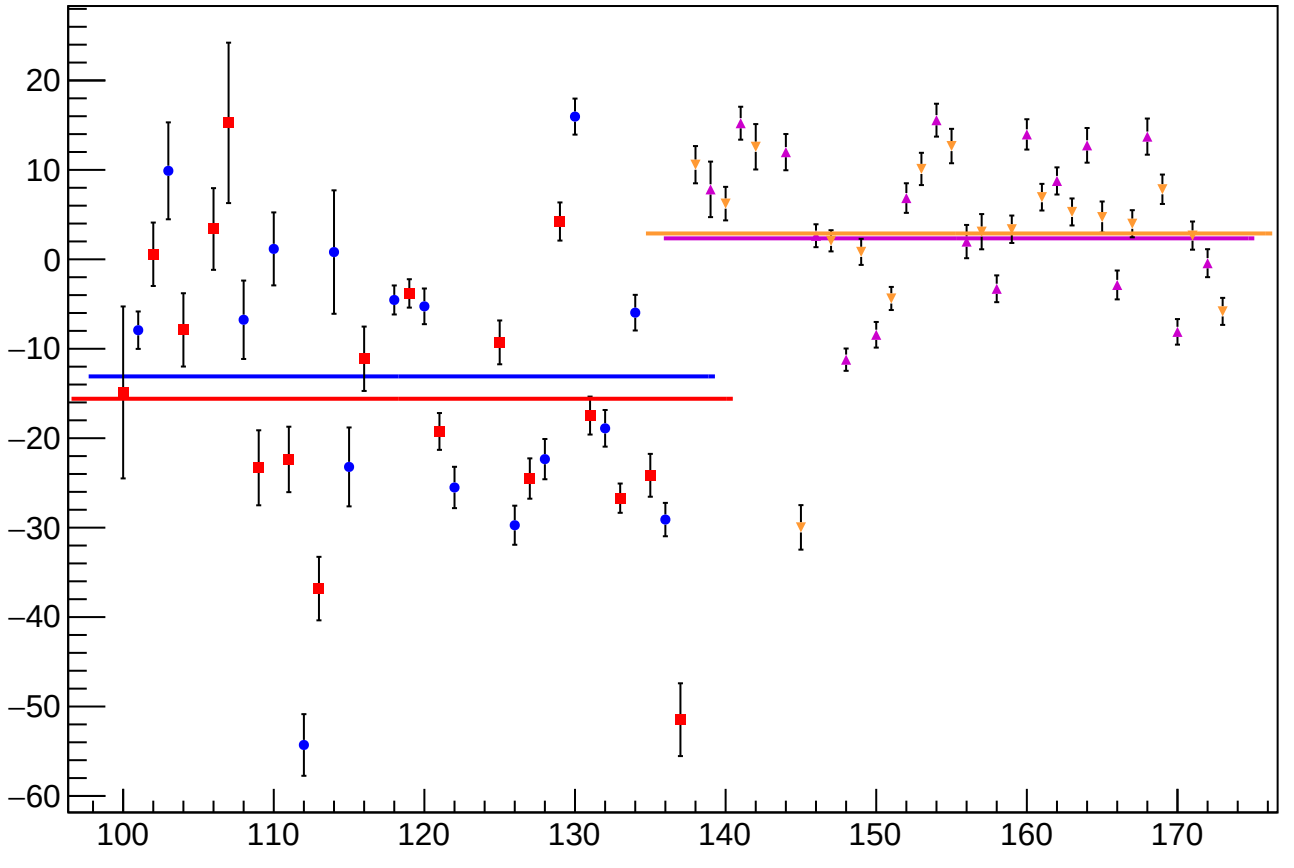
Left: 42.069+/-0.337 χ^2/NDF: 2633.8/34

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 42.583+/-0.370 χ^2/NDF:8365.0/32

Out: 45.110+/-0.376 χ^2/NDF:8203.6/35

All: 43.829+/-0.264 χ^2/NDF: 16591.6/68



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 2.891+/-0.385 χ^2/NDF:335.6/17

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 2.344+/-0.397 χ^2/NDF:515.1/16

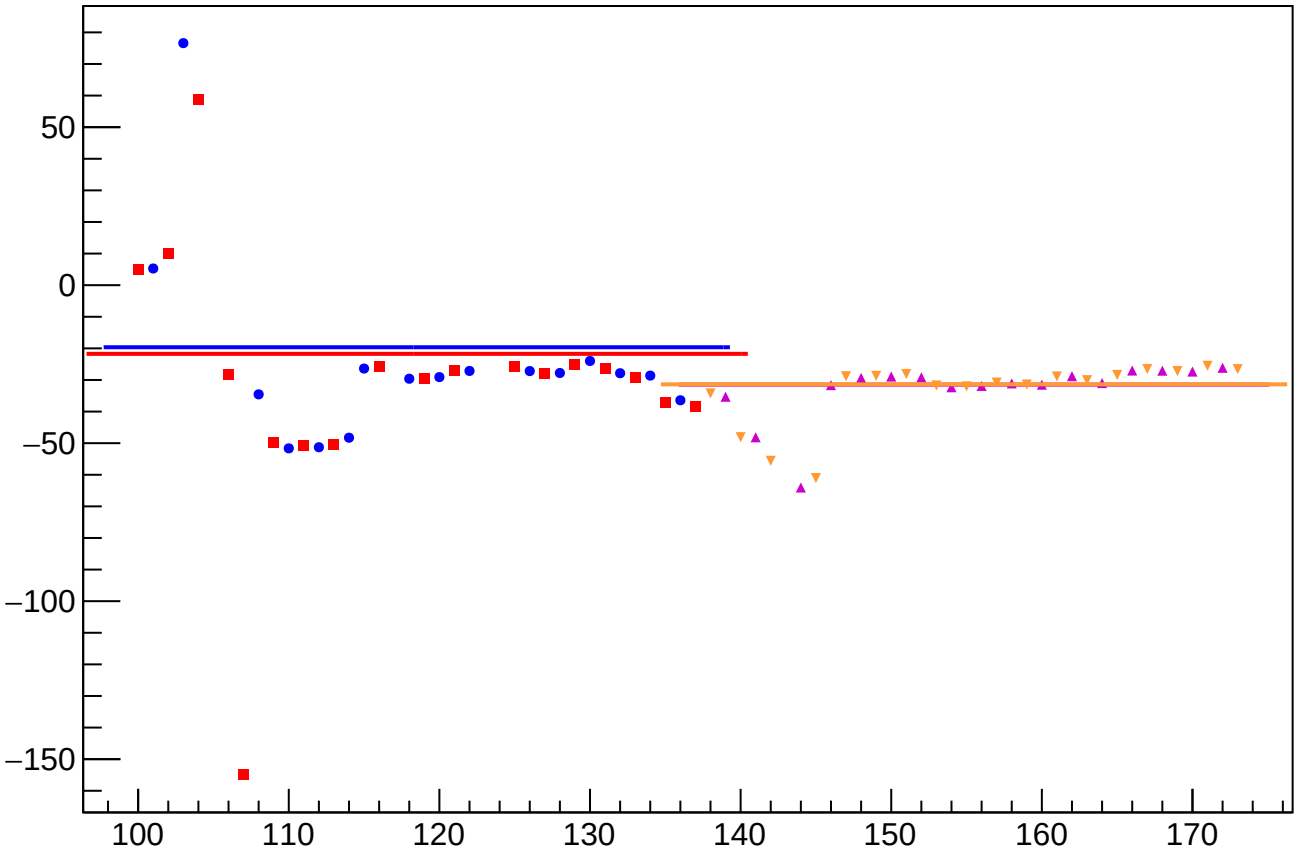
Left: 2.626+/-0.276 χ^2/NDF: 851.7/34

Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -2.355+/-0.331 χ^2/NDF:1615.7/32

Out: -2.174+/-0.328 χ^2/NDF:1368.4/35

All: -2.264+/-0.233 χ^2/NDF: 2984.2/68



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -31.383+/-0.018 χ^2/NDF:190156.4/17

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -31.475+/-0.018 χ^2/NDF:151935.3/16

Left: -31.428+/-0.013 χ^2/NDF: 342105.2/34

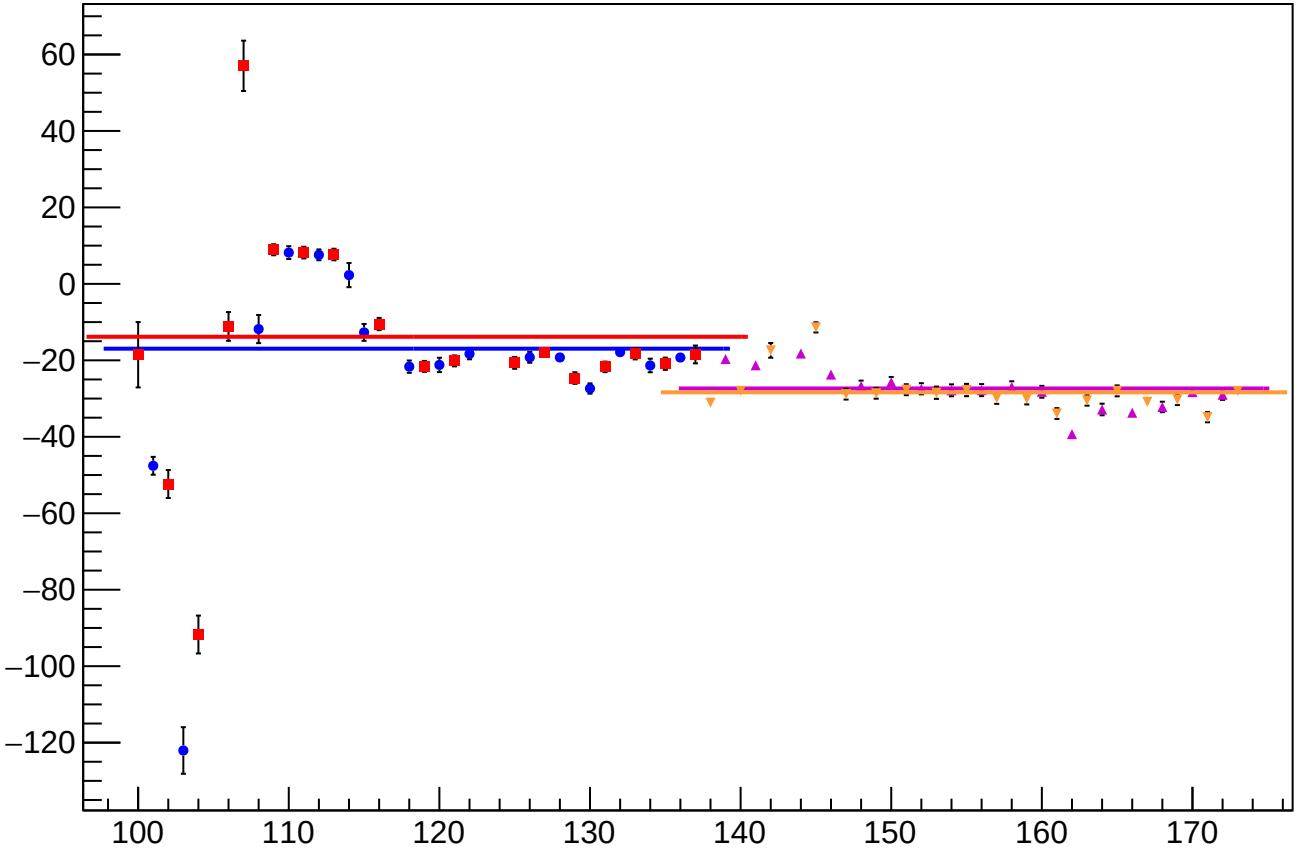
Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -29.170+/-0.016 χ^2/NDF:885289.9/32

Out: -29.739+/-0.016 χ^2/NDF:787938.4/35

All: -29.453+/-0.011 χ^2/NDF: 1673860.2/68

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -28.372+/-0.329 χ^2/NDF:249.8/17

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -27.358+/-0.333 χ^2/NDF:266.5/16

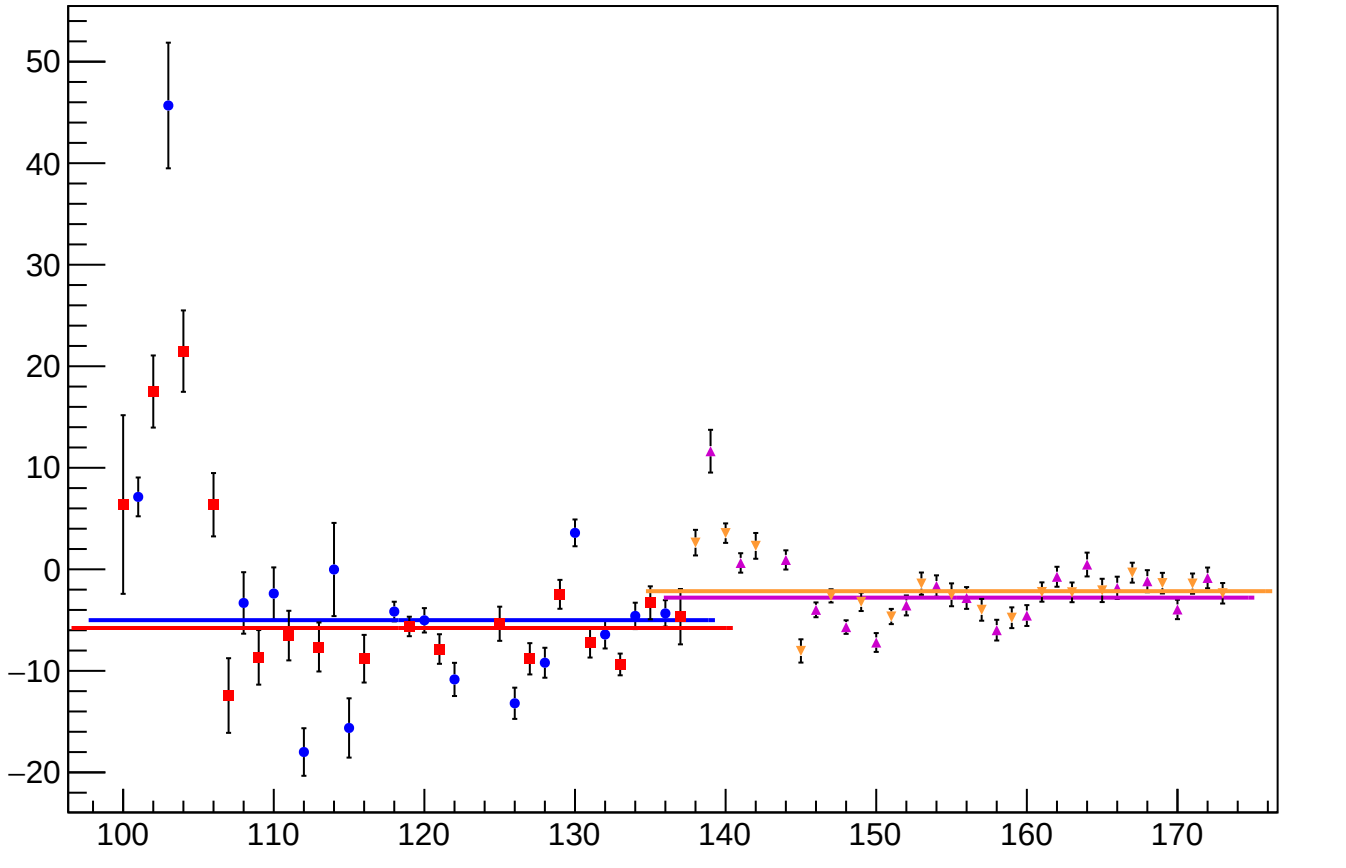
Left: -27.870+/-0.234 χ^2/NDF: 521.0/34

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

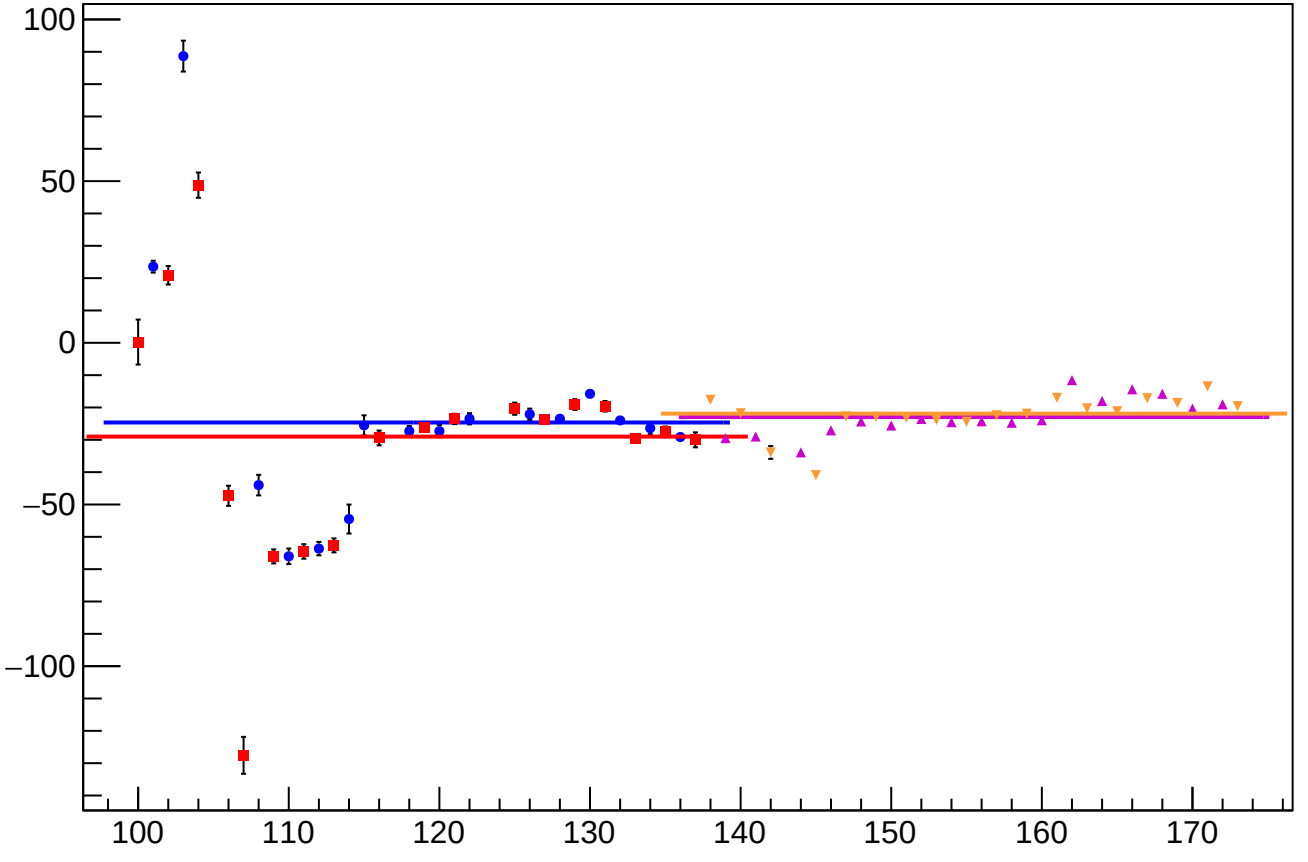
In: -23.151+/-0.257 χ^2/NDF:1790.5/32

Out: -22.658+/-0.257 χ^2/NDF:2348.7/35

All: -22.904+/-0.181 χ^2/NDF: 4141.0/68


reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: -5.006+/-0.401 χ2/NDF: 247.8/15
Left Out: -2.153+/-0.230 χ2/NDF:116.3/17
Right Out: -5.779+/-0.419 χ2/NDF: 139.3/17
Left In: -2.789+/-0.236 χ2/NDF:154.1/16
Left: -2.463+/-0.165 χ2/NDF: 274.1/34
Right: -5.375+/-0.290 χ2/NDF: 388.9/33
In: -3.359+/-0.204 χ2/NDF:424.5/32
Out: -2.993+/-0.202 χ2/NDF:313.0/35
All: -3.175+/-0.143 χ2/NDF: 739.2/68

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: -21.903+/-0.323 χ^2/NDF:327.0/17

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -22.956+/-0.325 χ^2/NDF:318.8/16

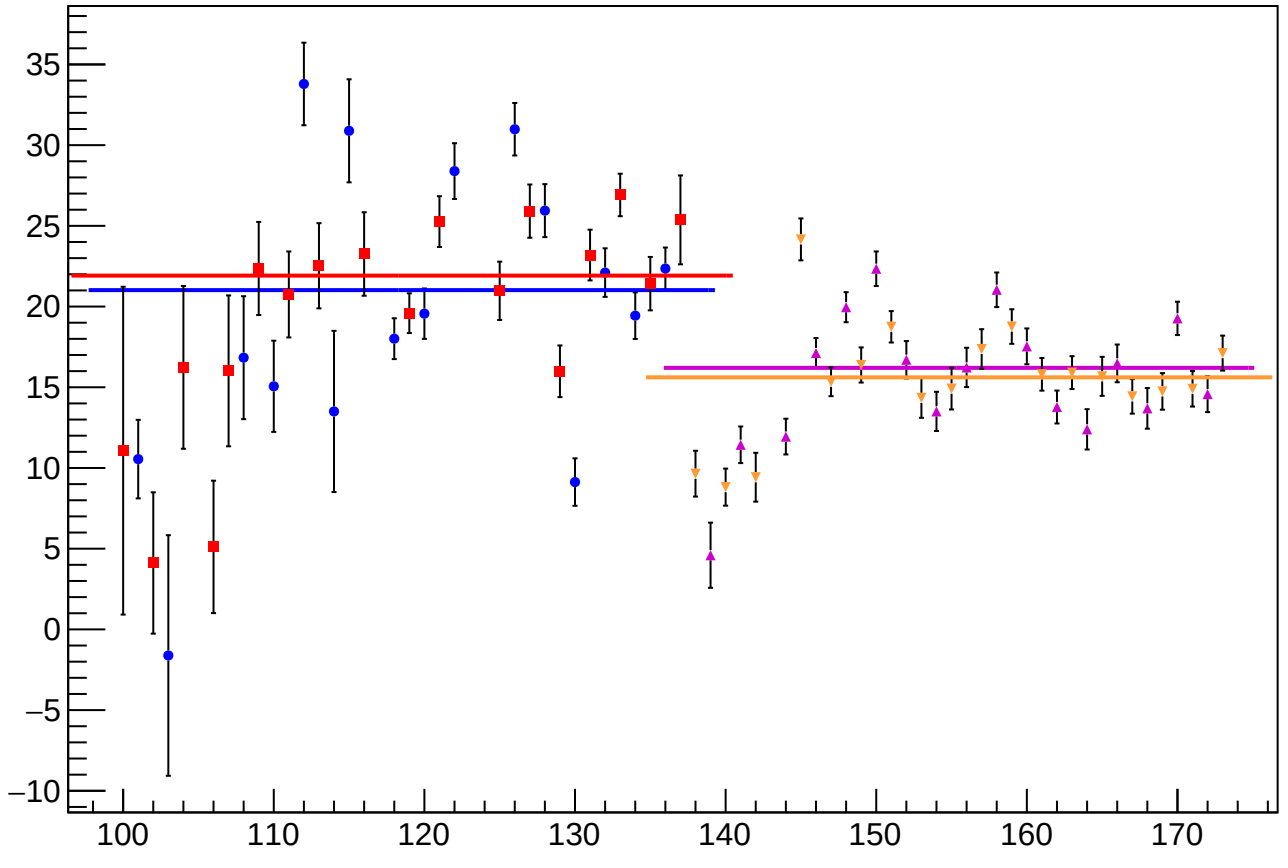
Left: -22.427+/-0.229 χ^2/NDF: 651.1/34

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -23.526+/-0.264 χ^2/NDF:2379.7/32

Out: -24.148+/-0.267 χ^2/NDF:2431.9/35

All: -23.834+/-0.188 χ^2/NDF: 4814.3/68



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.615+/-0.265 χ^2/NDF:140.1/17

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 16.203+/-0.272 χ^2/NDF:172.5/16

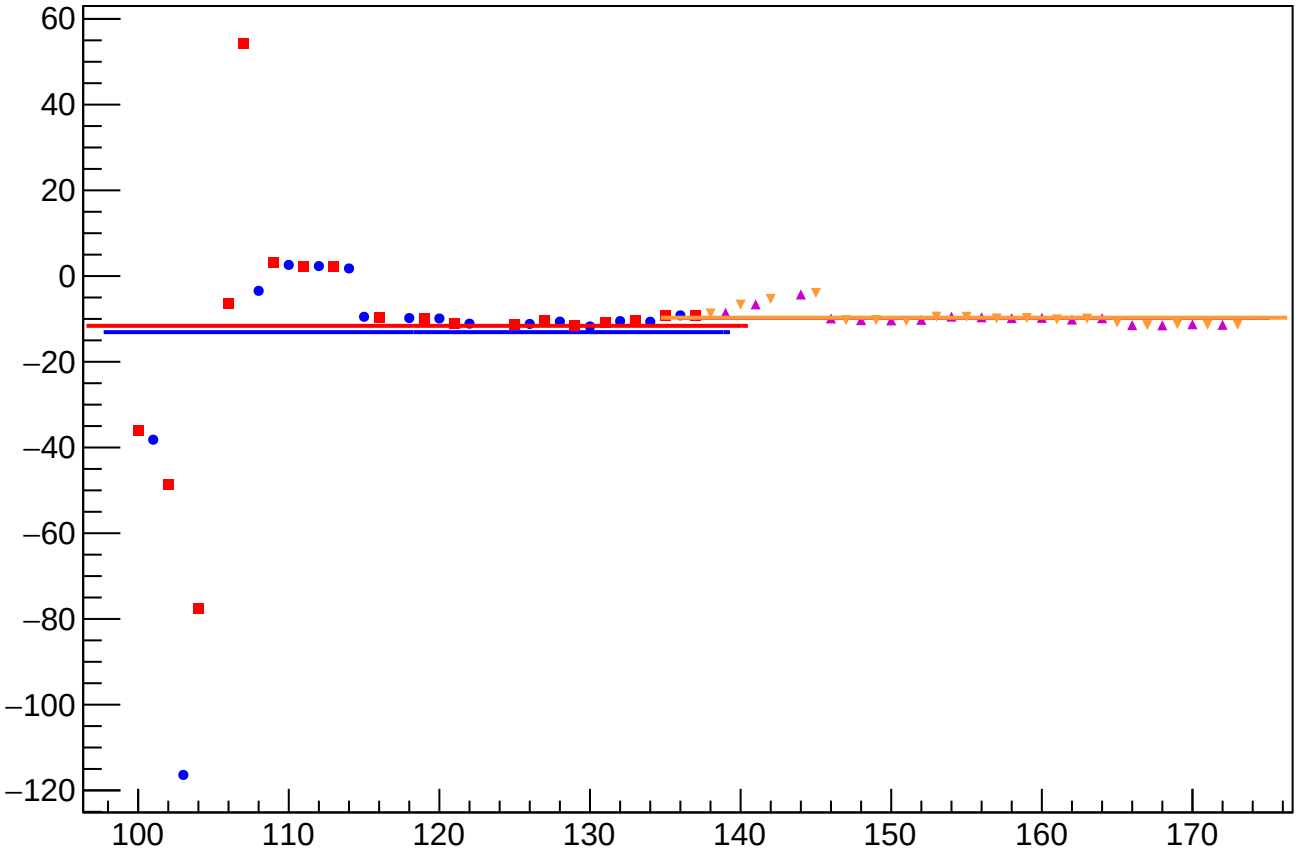
Left: 15.902+/-0.190 χ^2/NDF: 314.9/34

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 17.458+/-0.234 χ^2/NDF:463.8/32

Out: 17.099+/-0.232 χ^2/NDF:355.3/35

All: 17.277+/-0.165 χ^2/NDF: 820.3/68



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -9.713+/-0.012 χ^2/NDF:24014.9/17

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -9.783+/-0.012 χ^2/NDF:17772.5/16

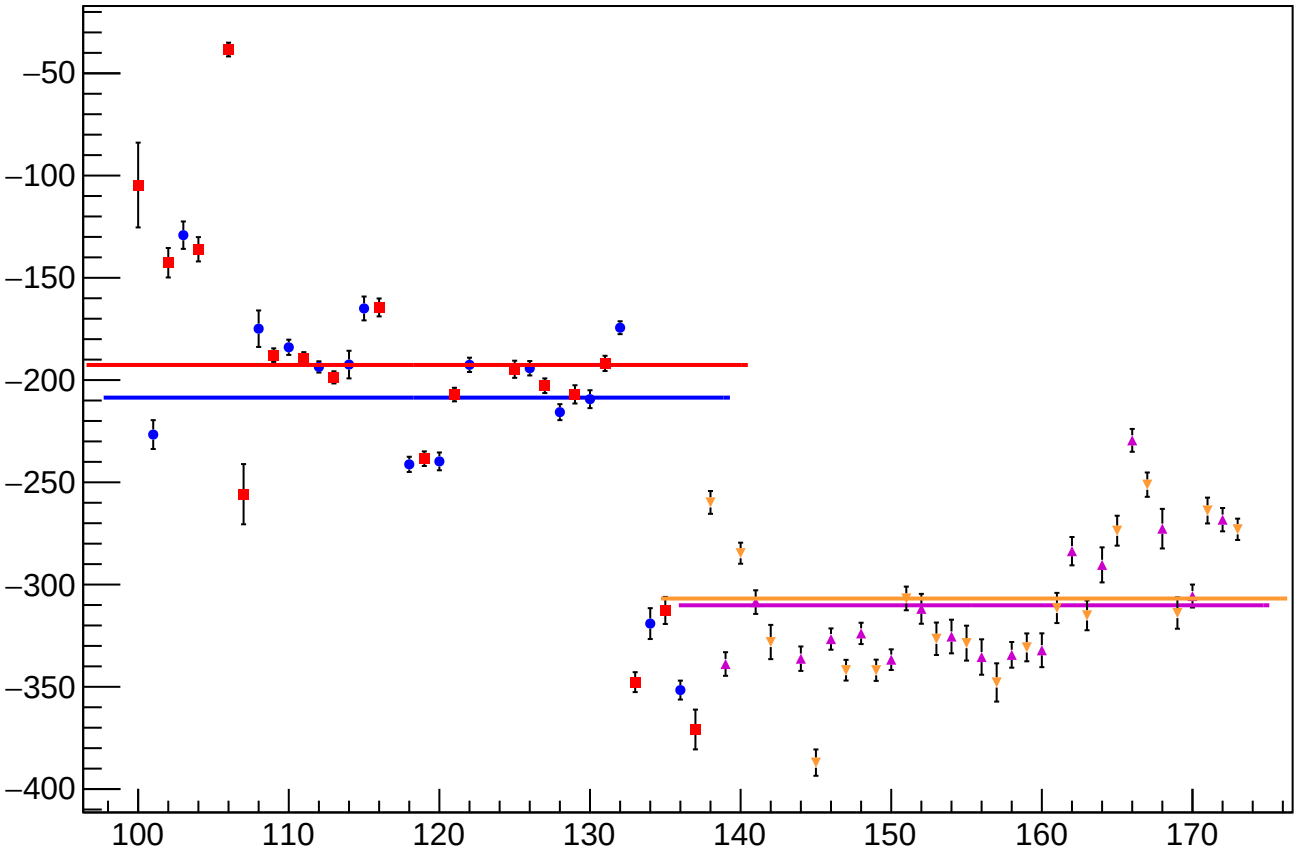
Left: -9.748+/-0.009 χ^2/NDF: 41804.6/34

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.287+/-0.011 χ^2/NDF:374166.9/32

Out: -9.961+/-0.011 χ^2/NDF:341477.5/35

All: -10.125+/-0.008 χ^2/NDF: 716074.1/68



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -306.824+/-1.508 χ^2/NDF:588.3/17

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -310.135+/-1.530 χ^2/NDF:420.3/16

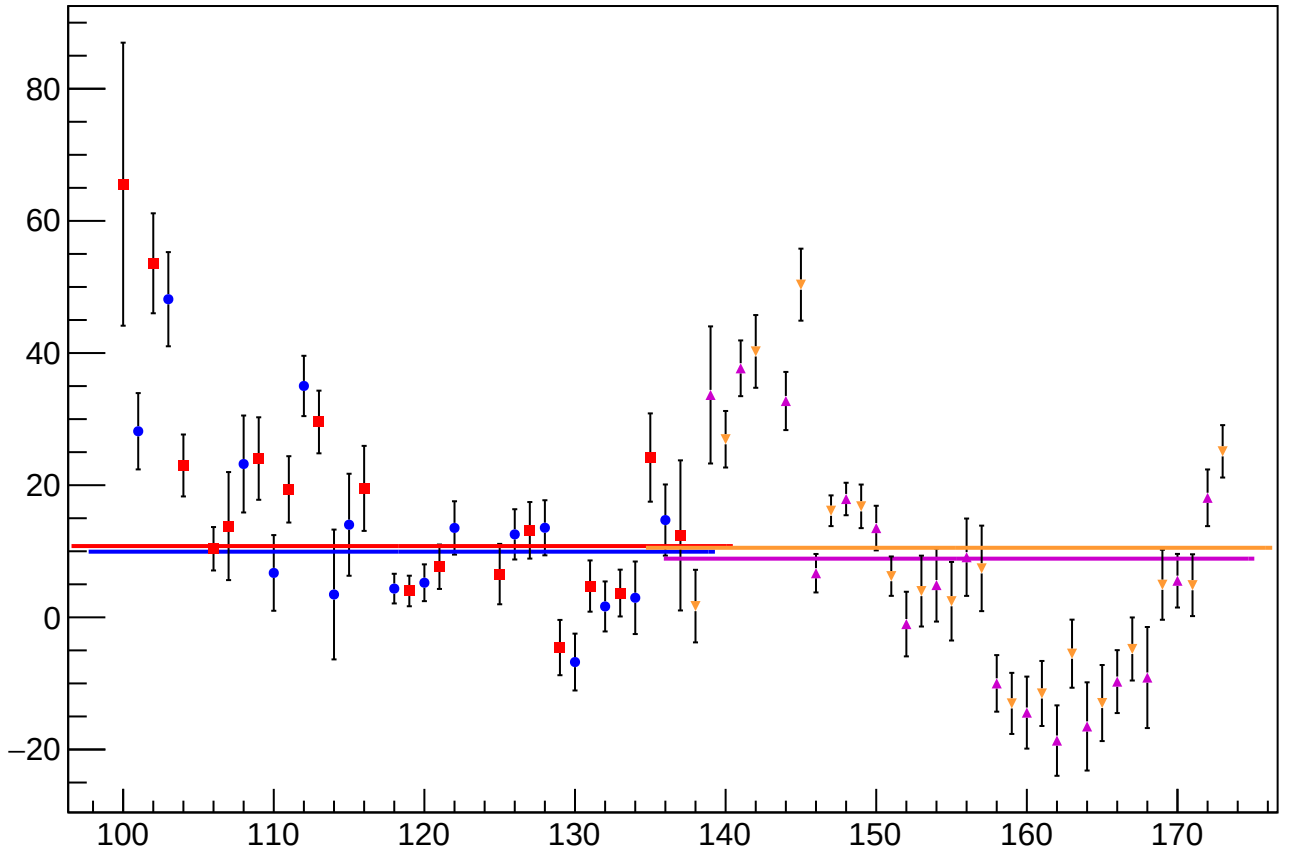
Left: -308.455+/-1.074 χ^2/NDF: 1011.0/34

Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -241.796+/-0.875 χ^2/NDF:5136.4/32

Out: -227.449+/-0.833 χ^2/NDF:8782.6/35

All: -234.269+/-0.603 χ^2/NDF: 14060.1/68



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 10.527+/-1.012 χ^2/NDF:213.8/17

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 8.883+/-1.046 χ^2/NDF:207.3/16

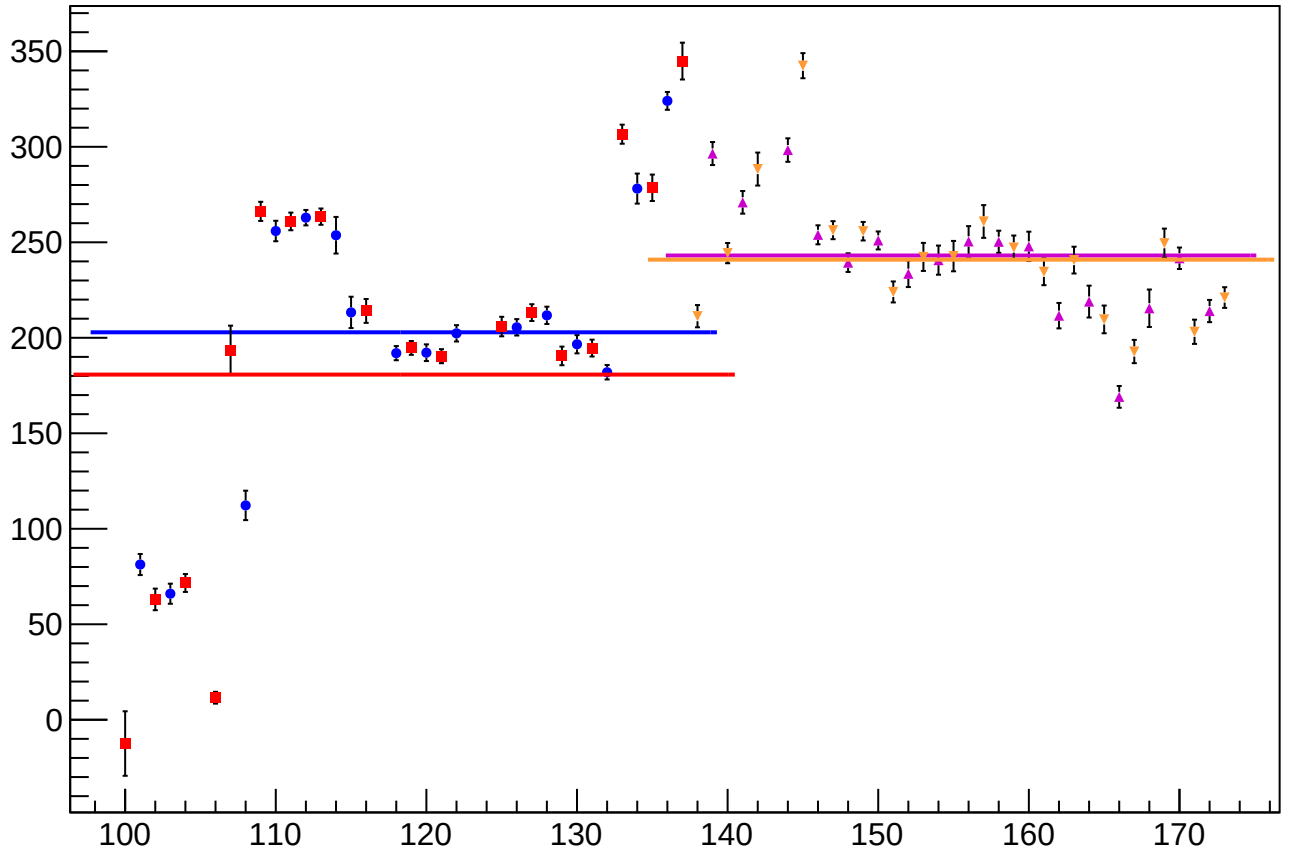
Left: 9.732+/-0.727 χ^2/NDF: 422.3/34

Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 9.401+/-0.746 χ^2/NDF:314.4/32

Out: 10.654+/-0.727 χ^2/NDF:318.9/35

All: 10.044+/-0.521 χ^2/NDF: 634.7/68



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 240.913+/-1.478 χ^2/NDF:462.9/17

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 243.087+/-1.492 χ^2/NDF:426.4/16

Left: 241.990+/-1.050 χ^2/NDF: 890.4/34

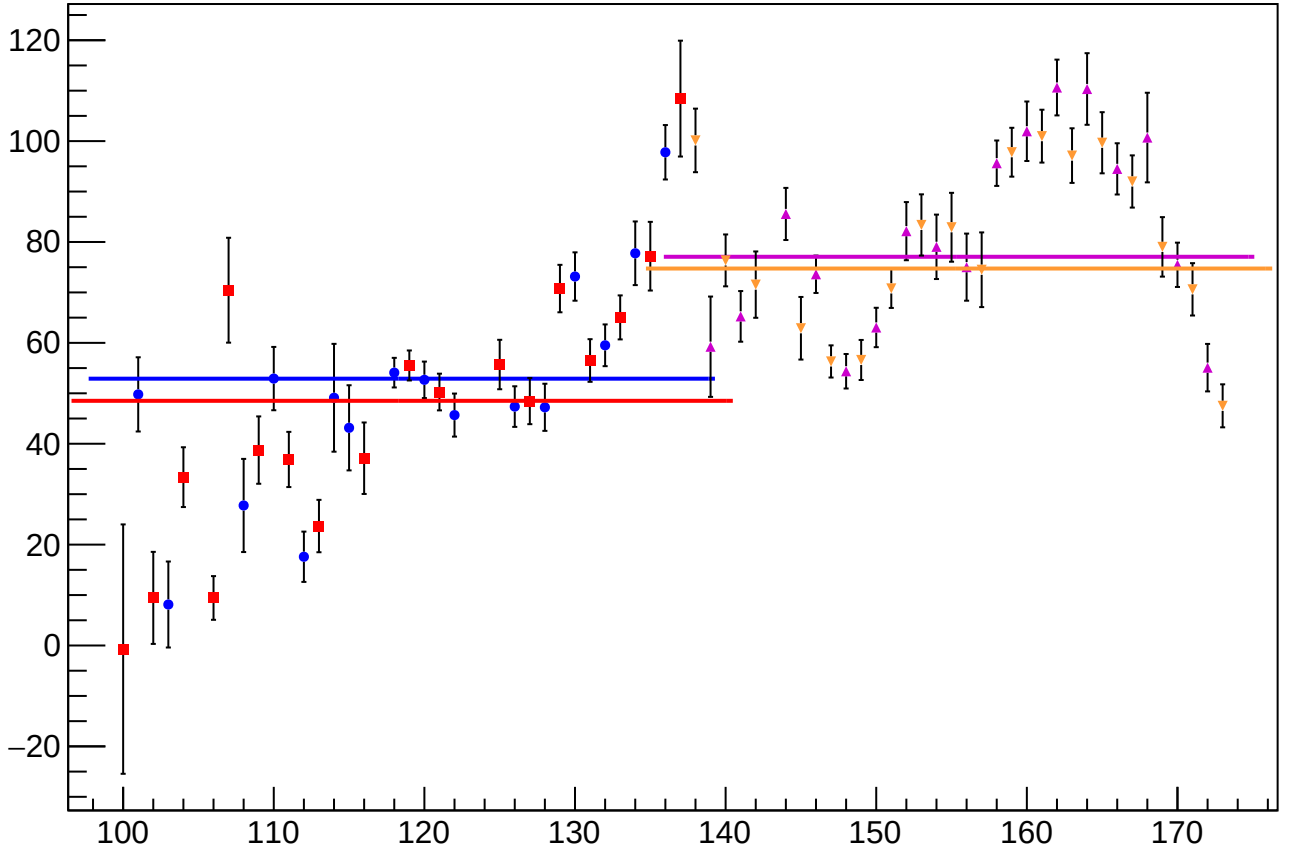
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 219.077+/-0.947 χ^2/NDF:3324.4/32

Out: 203.271+/-0.904 χ^2/NDF:7848.0/35

All: 210.811+/-0.654 χ^2/NDF: 11318.2/68

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: 74.737+/-1.190 χ^2/NDF:213.7/17

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 77.067+/-1.224 χ^2/NDF:204.6/16

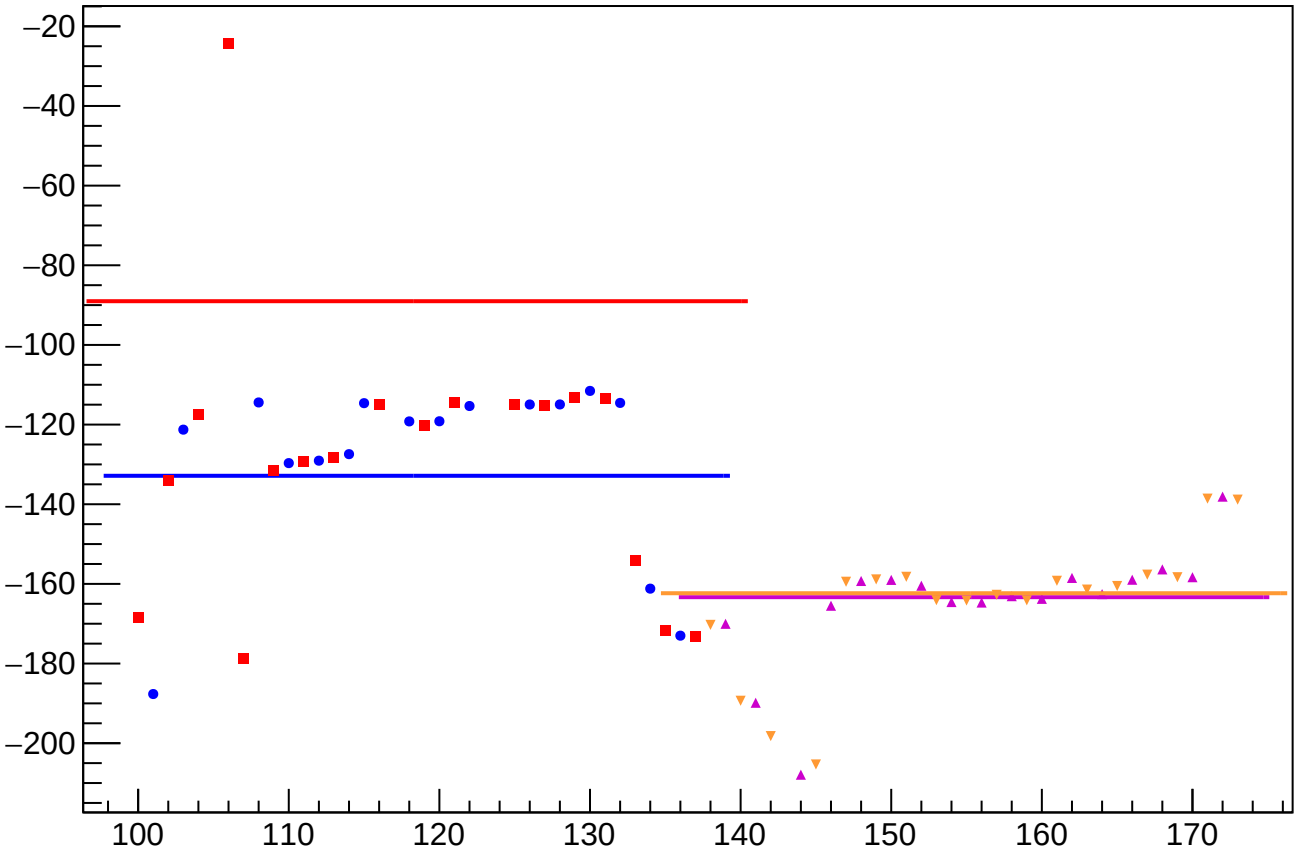
Left: 75.869+/-0.853 χ^2/NDF: 420.2/34

Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 65.153+/-0.872 χ^2/NDF:595.0/32

Out: 61.886+/-0.850 χ^2/NDF:691.7/35

All: 63.478+/-0.609 χ^2/NDF: 1293.9/68



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -162.344+/-0.056 χ^2/NDF:81151.1/17

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -163.333+/-0.056 χ^2/NDF:58049.0/16

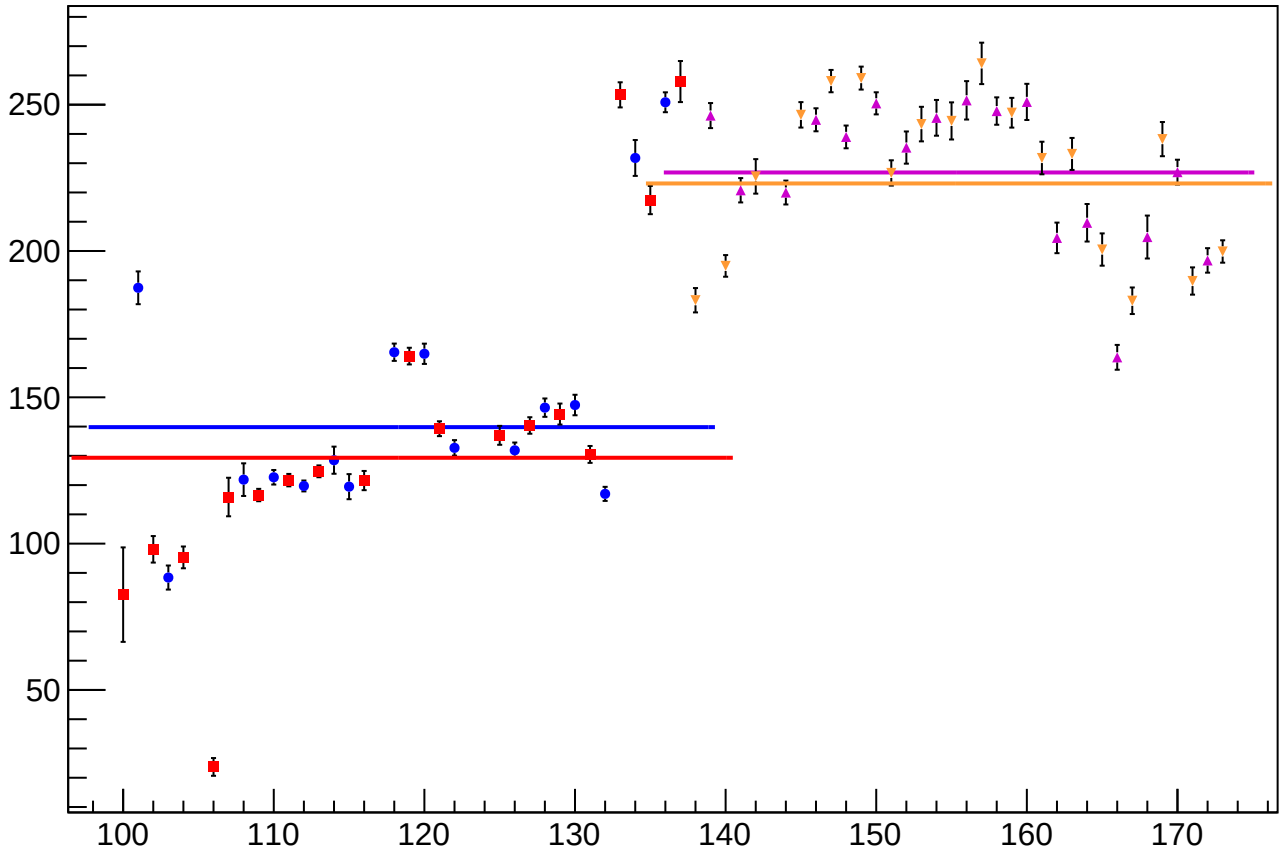
Left: -162.836+/-0.040 χ^2/NDF: 139355.3/34

Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -153.473+/-0.046 χ^2/NDF:246486.3/32

Out: -130.640+/-0.042 χ^2/NDF:1550418.2/35

All: -141.006+/-0.031 χ^2/NDF: 1929846.6/68



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 223.079+/-1.116 χ^2/NDF:623.1/17

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 226.833+/-1.135 χ^2/NDF:464.6/16

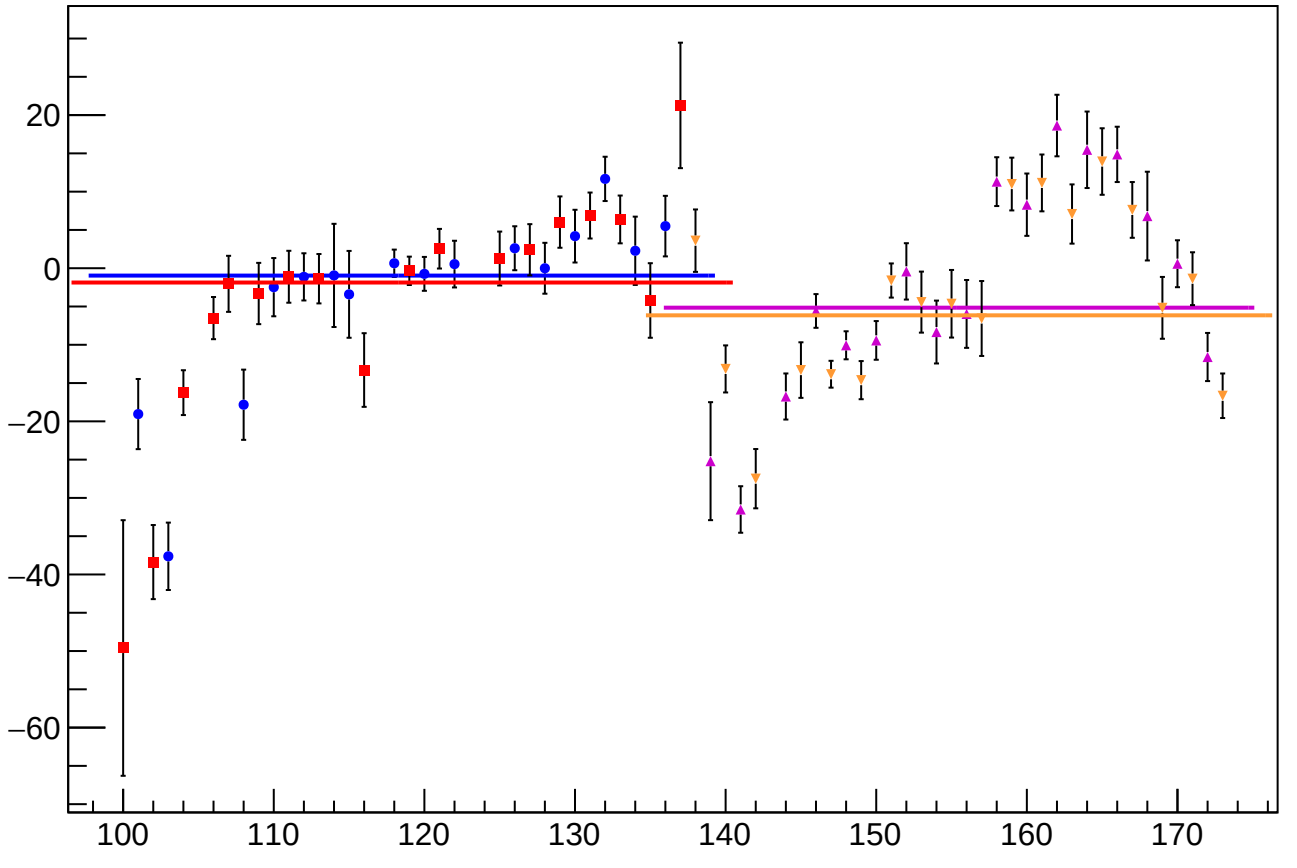
Left: 224.924+/-0.796 χ^2/NDF: 1093.3/34

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 167.946+/-0.645 χ^2/NDF:6407.3/32

Out: 157.657+/-0.613 χ^2/NDF:8669.2/35

All: 162.540+/-0.445 χ^2/NDF: 15210.0/68



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -6.153+/-0.752 χ^2/NDF:189.3/17

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -5.154+/-0.777 χ^2/NDF:241.6/16

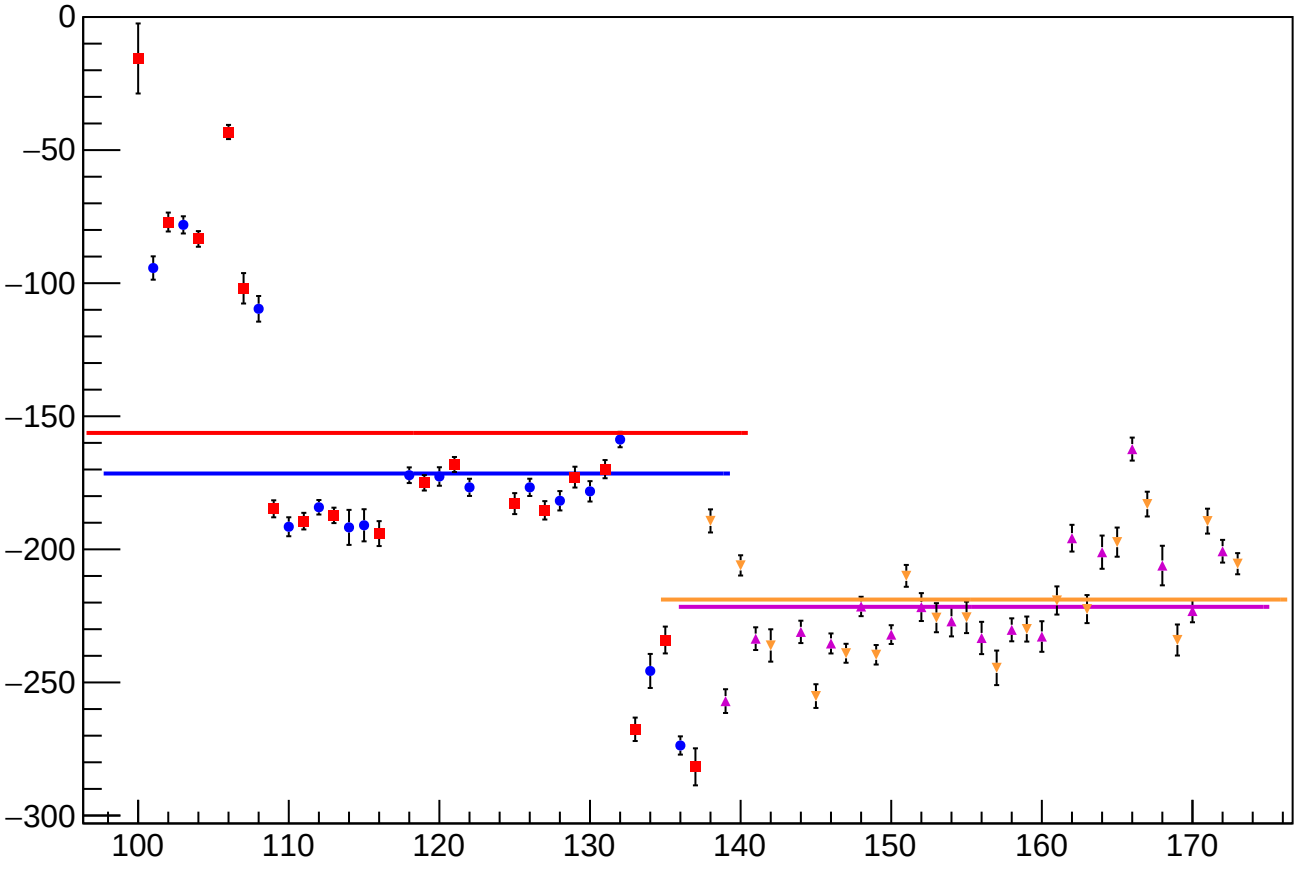
Left: -5.670+/-0.540 χ^2/NDF: 431.8/34

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -3.141+/-0.560 χ^2/NDF:381.7/32

Out: -4.099+/-0.543 χ^2/NDF:338.0/35

All: -3.635+/-0.390 χ^2/NDF: 721.2/68



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -218.858+/-1.096 χ^2/NDF:358.2/17

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -221.599+/-1.108 χ^2/NDF:363.9/16

Left: -220.213+/-0.779 χ^2/NDF: 725.2/34

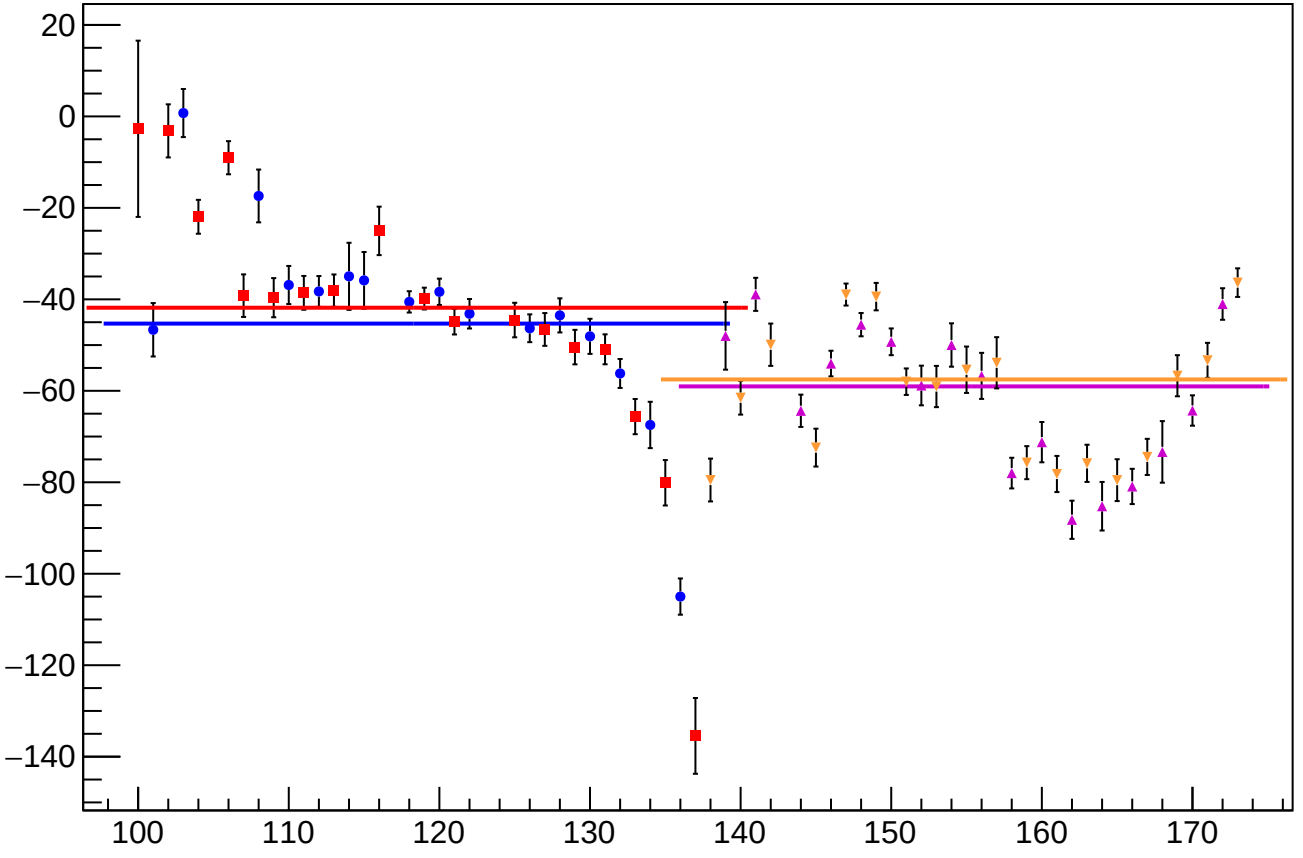
Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -191.601+/-0.702 χ^2/NDF:4030.8/32

Out: -179.690+/-0.670 χ^2/NDF:7305.4/35

All: -185.373+/-0.485 χ^2/NDF: 11486.9/68

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -57.515+/-0.884 χ^2/NDF:297.4/17

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -59.034+/-0.910 χ^2/NDF:261.1/16

Left: -58.253+/-0.634 χ^2/NDF: 559.9/34

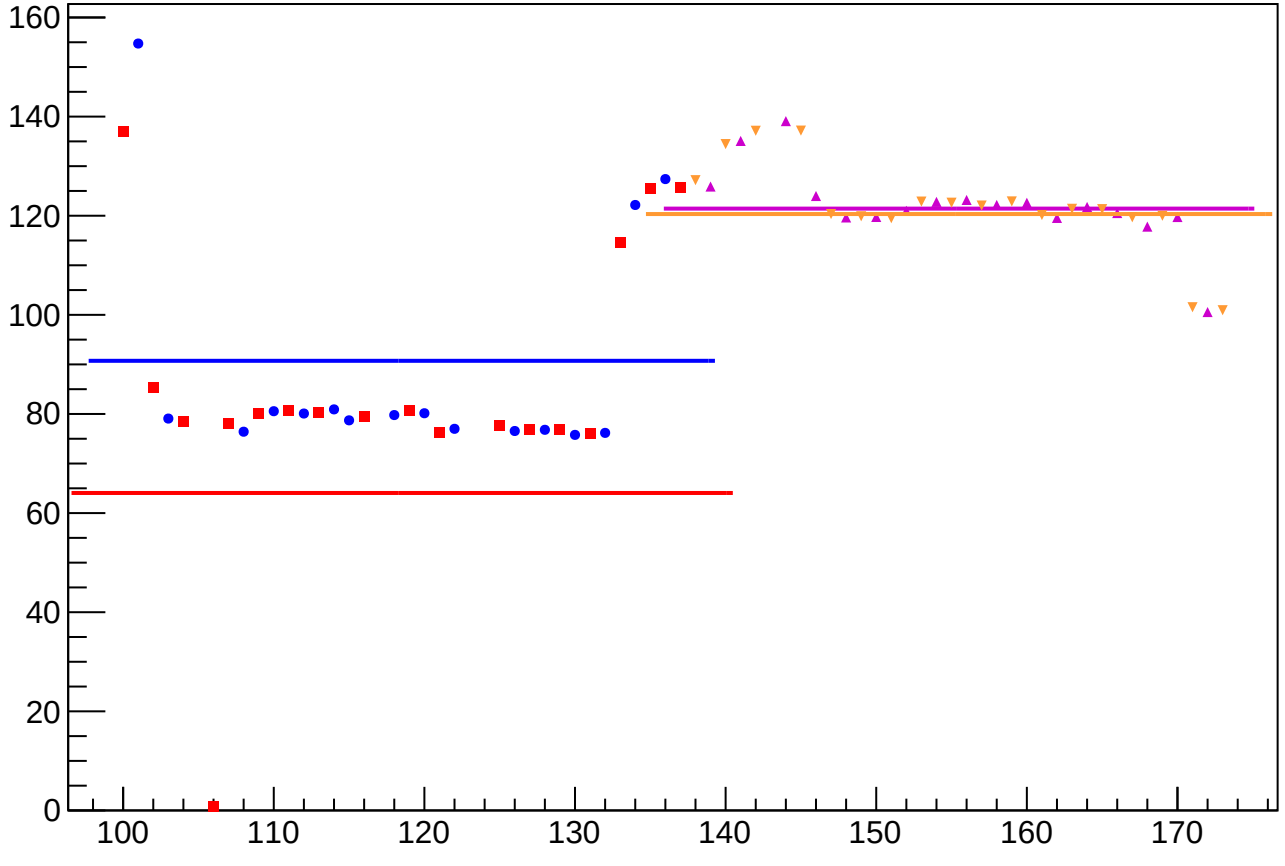
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -52.375+/-0.653 χ^2/NDF:753.5/32

Out: -49.896+/-0.634 χ^2/NDF:864.6/35

All: -51.099+/-0.455 χ^2/NDF: 1625.5/68

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: 120.338+/-0.042 χ^2/NDF:56317.7/17

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 121.435+/-0.042 χ^2/NDF:37233.8/16

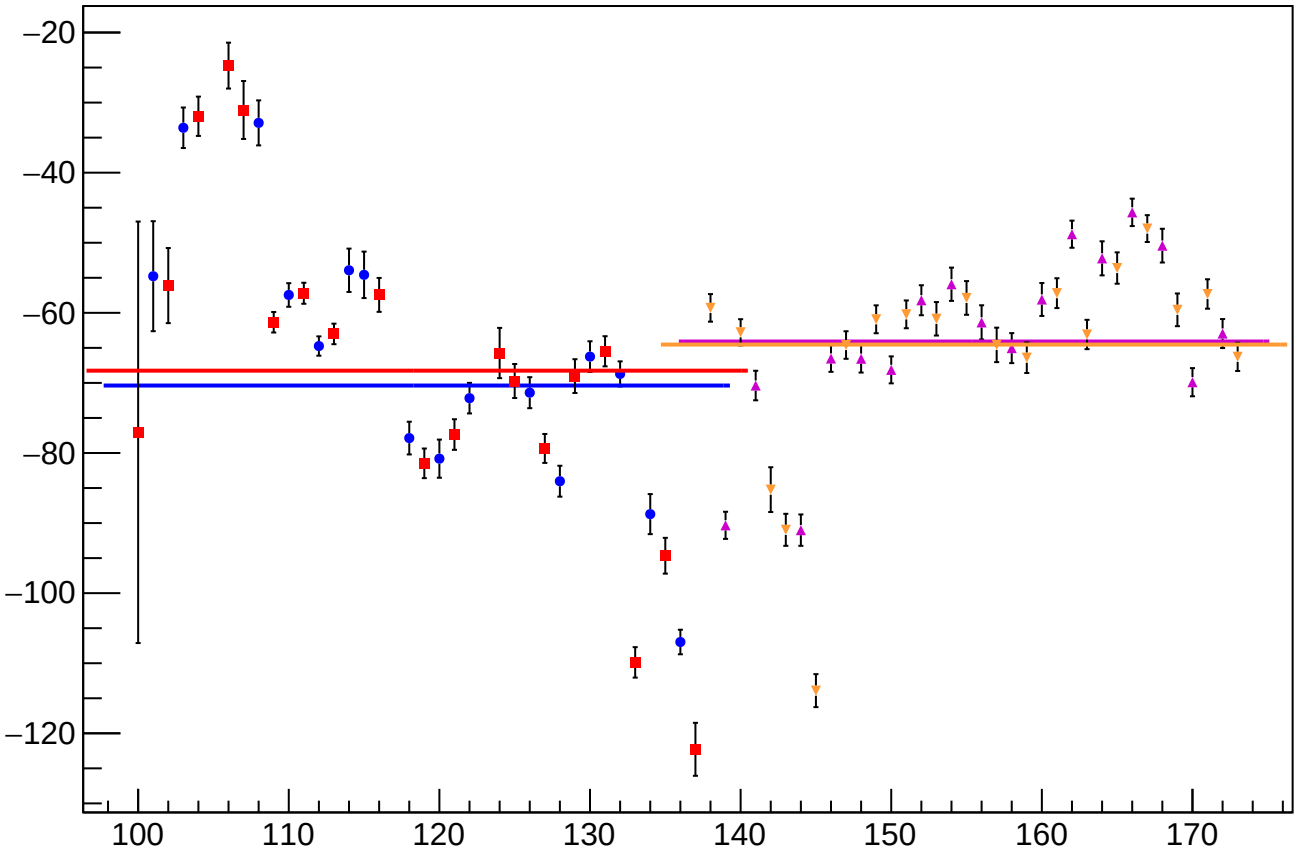
Left: 120.883+/-0.029 χ^2/NDF: 93897.3/34

Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 111.035+/-0.034 χ^2/NDF:380732.7/32

Out: 96.950+/-0.032 χ^2/NDF:1478994.0/35

All: 103.510+/-0.023 χ^2/NDF: 1951216.5/68



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -64.527+/-0.495 χ^2/NDF:770.0/18

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -64.093+/-0.512 χ^2/NDF:588.4/16

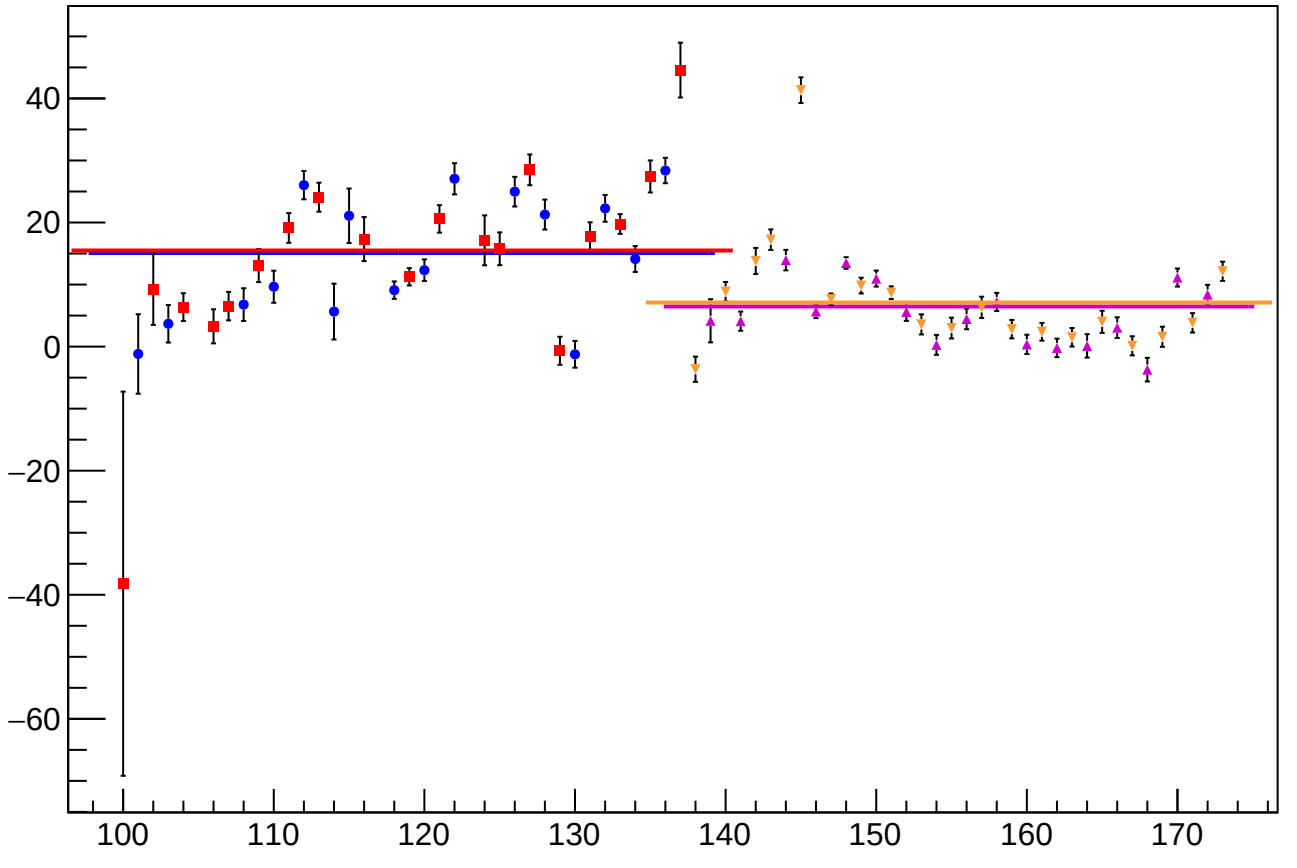
Left: -64.318+/-0.356 χ^2/NDF: 1358.7/35

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -66.967+/-0.377 χ^2/NDF:1632.1/32

Out: -66.275+/-0.361 χ^2/NDF:2102.5/37

All: -66.606+/-0.261 χ^2/NDF: 3736.3/70



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 7.108+/-0.340 χ^2/NDF:452.1/18

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 6.468+/-0.357 χ^2/NDF:200.7/16

Left: 6.804+/-0.246 χ^2/NDF: 654.6/35

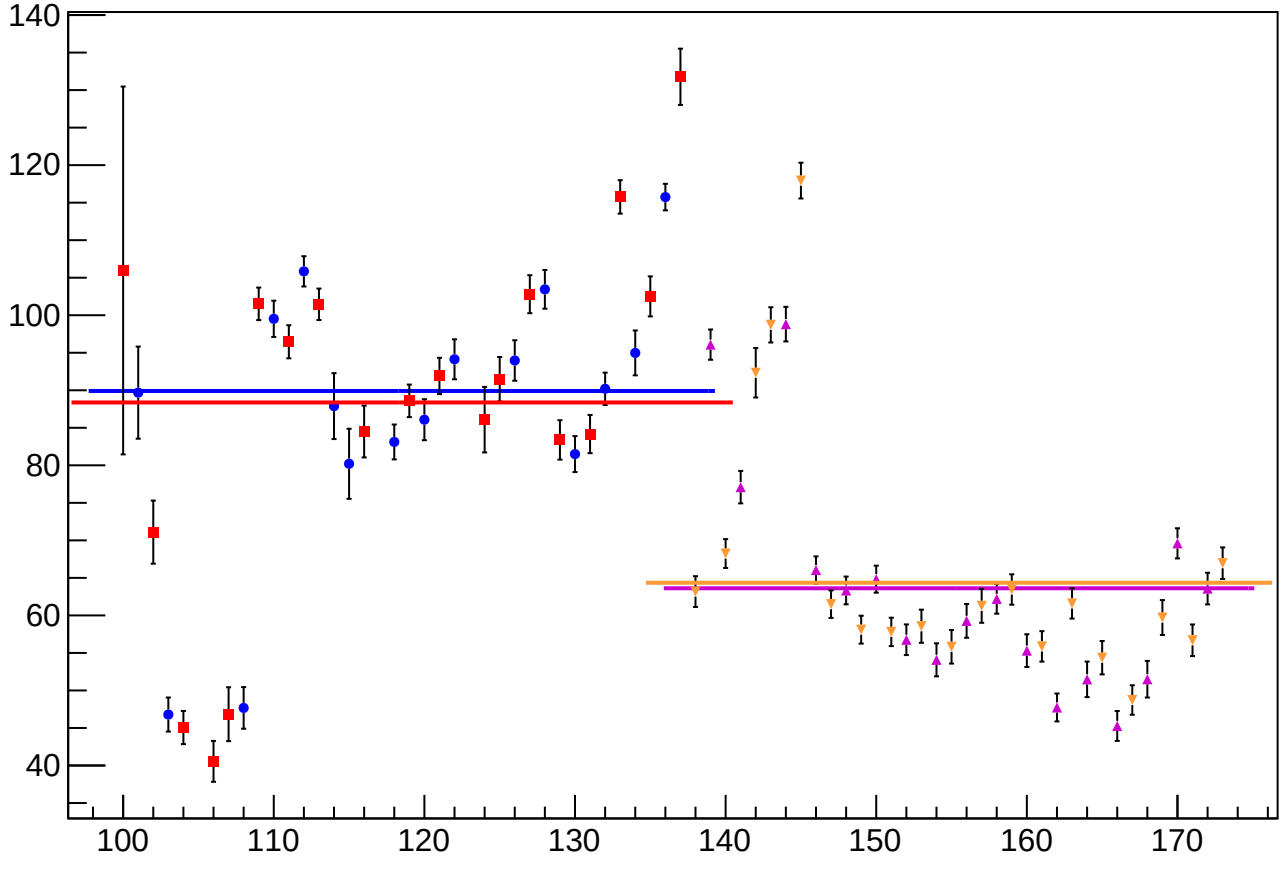
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 8.832+/-0.304 χ^2/NDF:603.2/32

Out: 9.373+/-0.290 χ^2/NDF:856.0/37

All: 9.115+/-0.210 χ^2/NDF: 1460.9/70

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: 64.355+/-0.485 χ^2/NDF:966.8/18

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 63.616+/-0.499 χ^2/NDF:799.7/16

Left: 63.996+/-0.348 χ^2/NDF: 1767.6/35

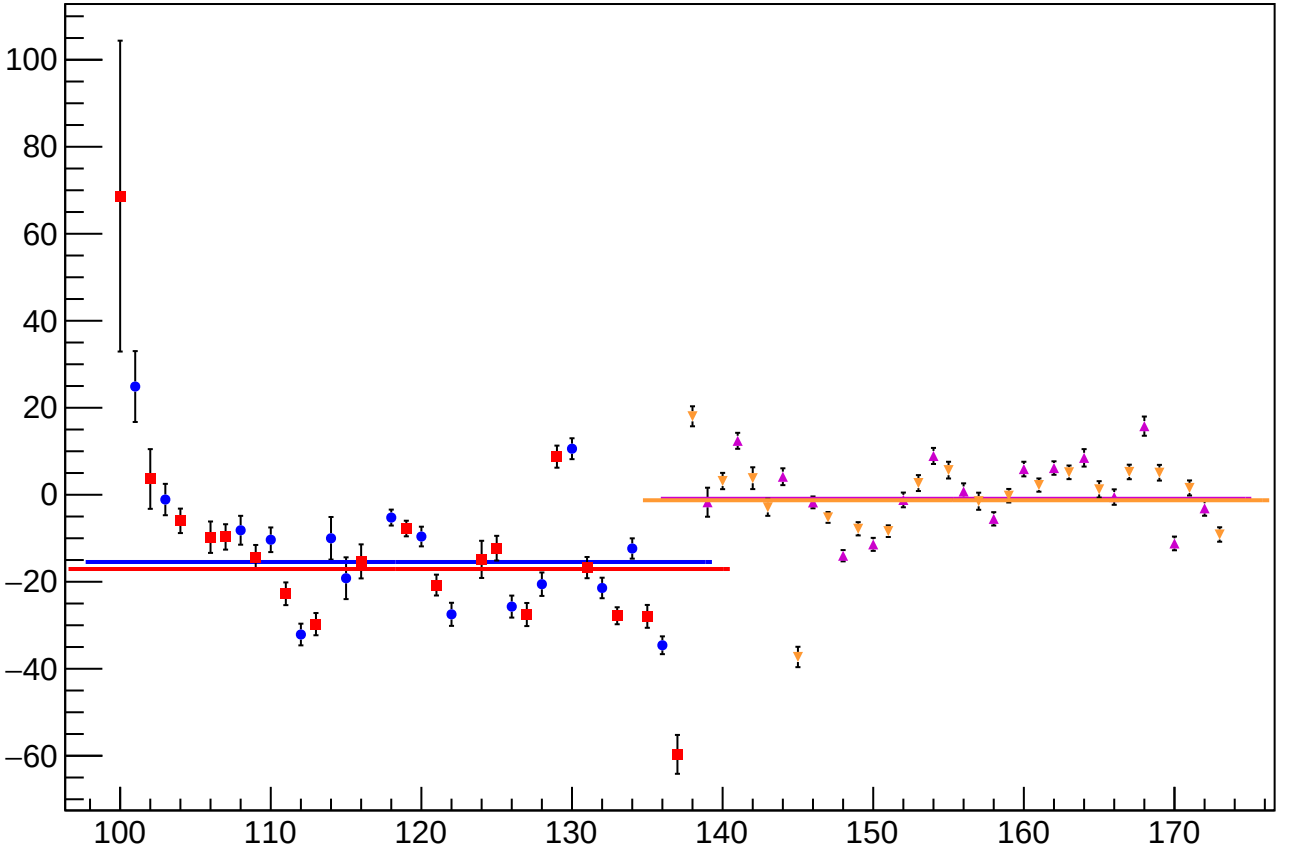
Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 73.534+/-0.394 χ^2/NDF:2796.1/32

Out: 73.517+/-0.381 χ^2/NDF:3191.8/37

All: 73.525+/-0.274 χ^2/NDF: 5987.9/70

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -1.263+/-0.394 χ^2/NDF:468.6/18

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -0.923+/-0.413 χ^2/NDF:409.6/16

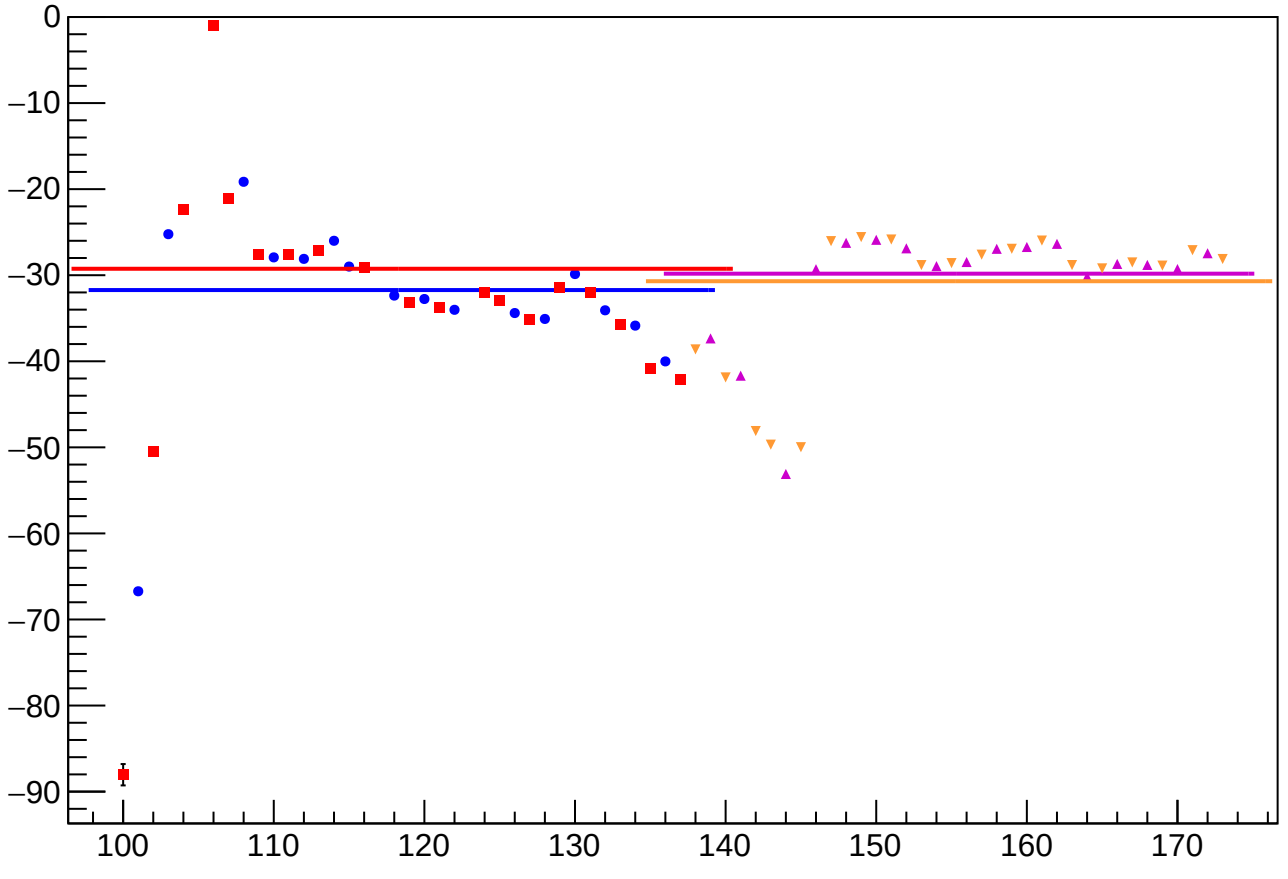
Left: -1.101+/-0.285 χ^2/NDF: 878.5/35

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -4.964+/-0.351 χ^2/NDF:1140.3/32

Out: -5.575+/-0.336 χ^2/NDF:1267.9/37

All: -5.282+/-0.243 χ^2/NDF: 2409.8/70



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -30.697+/-0.018 χ^2/NDF:151703.2/18

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -29.822+/-0.019 χ^2/NDF:94547.2/16

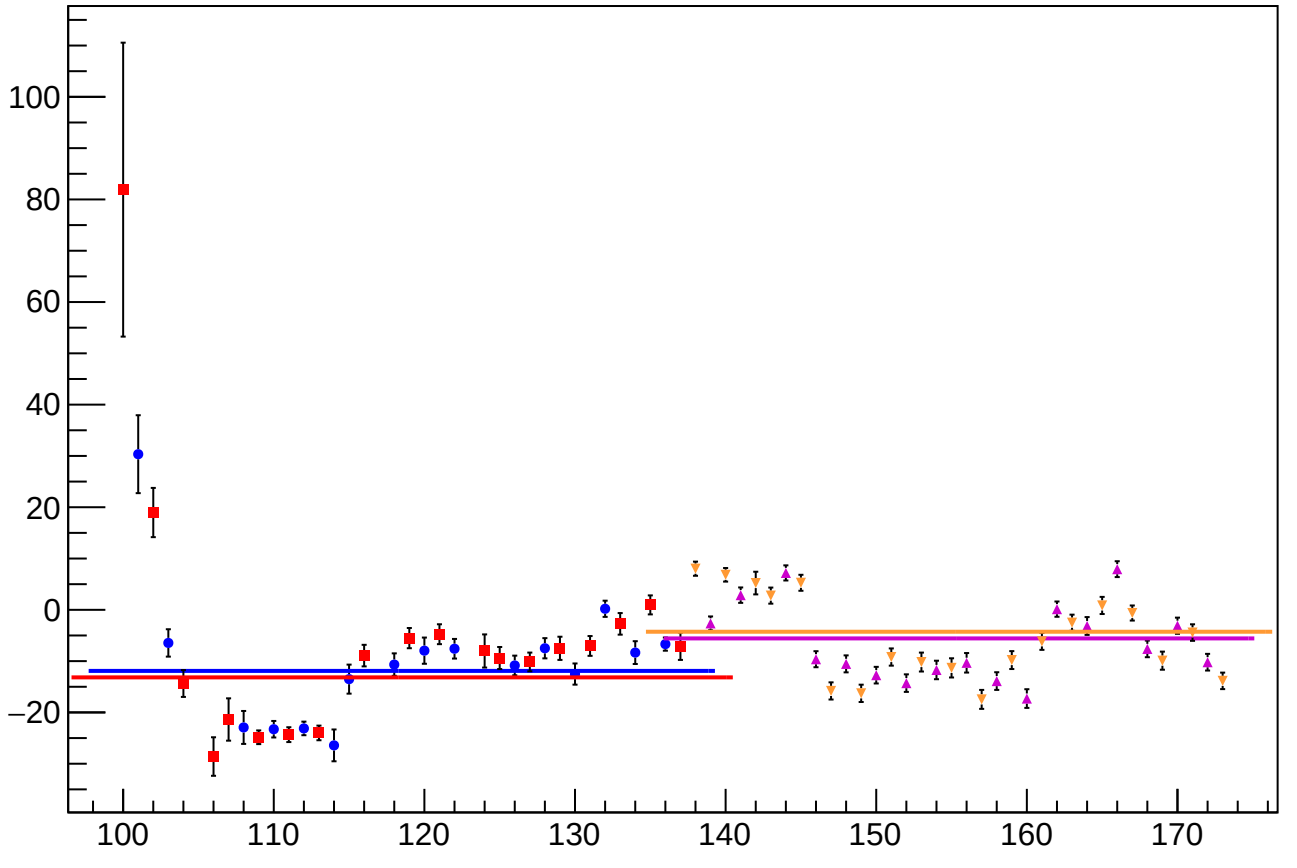
Left: -30.270+/-0.013 χ^2/NDF: 247394.1/35

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -30.179+/-0.017 χ^2/NDF:136166.8/32

Out: -30.435+/-0.016 χ^2/NDF:248099.8/37

All: -30.309+/-0.012 χ^2/NDF: 384386.1/70



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -4.271+/-0.376 χ^2/NDF:481.7/18

Right Out: -13.169+/-0.480 χ^2/NDF: 421.5/18

Left In: -5.575+/-0.391 χ^2/NDF:360.3/16

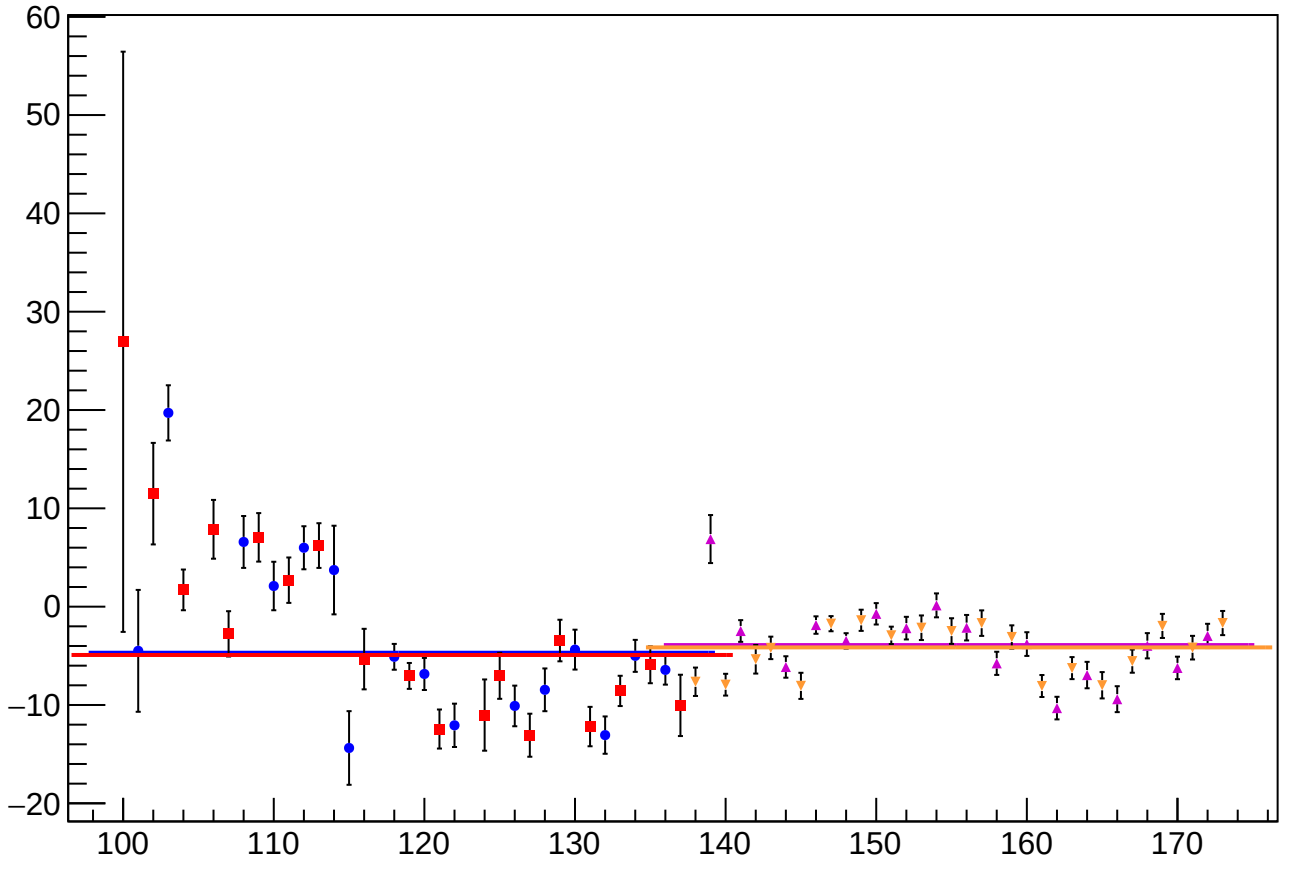
Left: -4.897+/-0.271 χ^2/NDF: 847.8/35

Right: -12.559+/-0.345 χ^2/NDF: 706.9/34

In: -7.999+/-0.307 χ^2/NDF:742.6/32

Out: -7.655+/-0.296 χ^2/NDF:1116.1/37

All: -7.821+/-0.213 χ^2/NDF: 1859.3/70



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.144+/-0.264 χ^2/NDF:86.6/18

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -3.908+/-0.278 χ^2/NDF:115.4/16

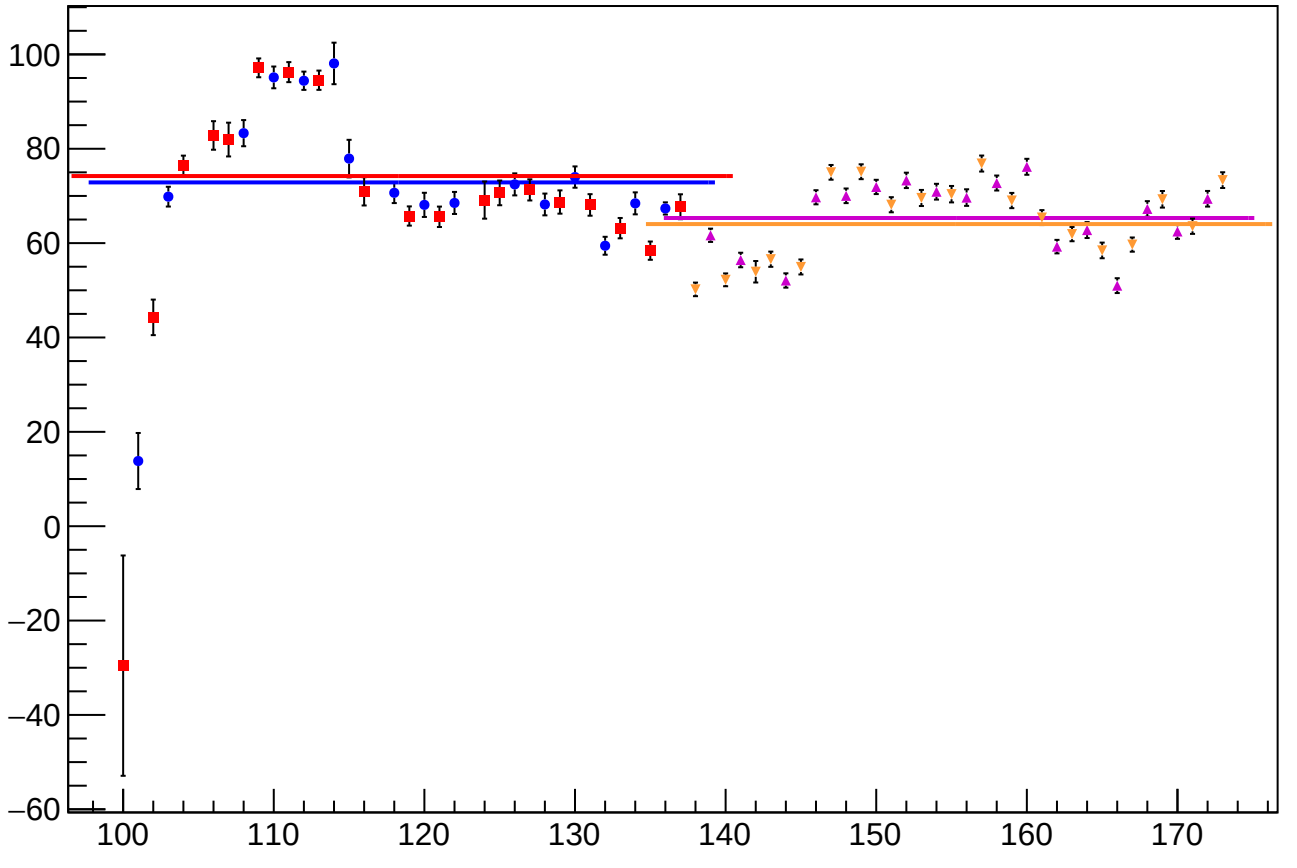
Left: -4.032+/-0.191 χ^2/NDF: 202.4/35

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -4.082+/-0.245 χ^2/NDF:296.2/32

Out: -4.305+/-0.235 χ^2/NDF:244.3/37

All: -4.198+/-0.169 χ^2/NDF: 540.9/70



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 64.037+/-0.370 χ^2/NDF:499.7/18

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 65.323+/-0.382 χ^2/NDF:370.9/16

Left: 64.659+/-0.266 χ^2/NDF: 876.4/35

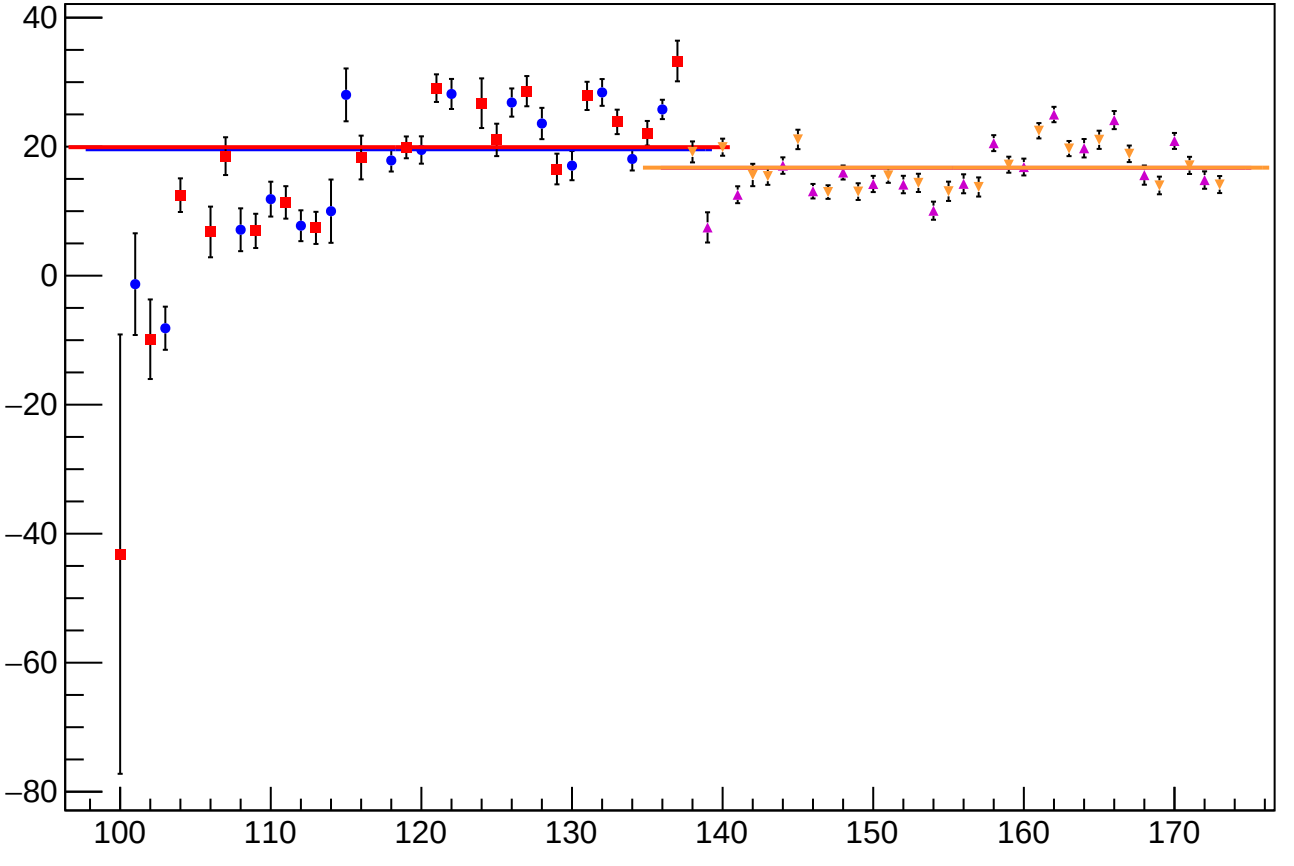
Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 67.691+/-0.317 χ^2/NDF:943.7/32

Out: 67.114+/-0.309 χ^2/NDF:1314.7/37

All: 67.395+/-0.221 χ^2/NDF: 2260.1/70

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 16.746+/-0.305 χ^2/NDF:102.7/18

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

Left In: 16.710+/-0.320 χ^2/NDF:173.2/16

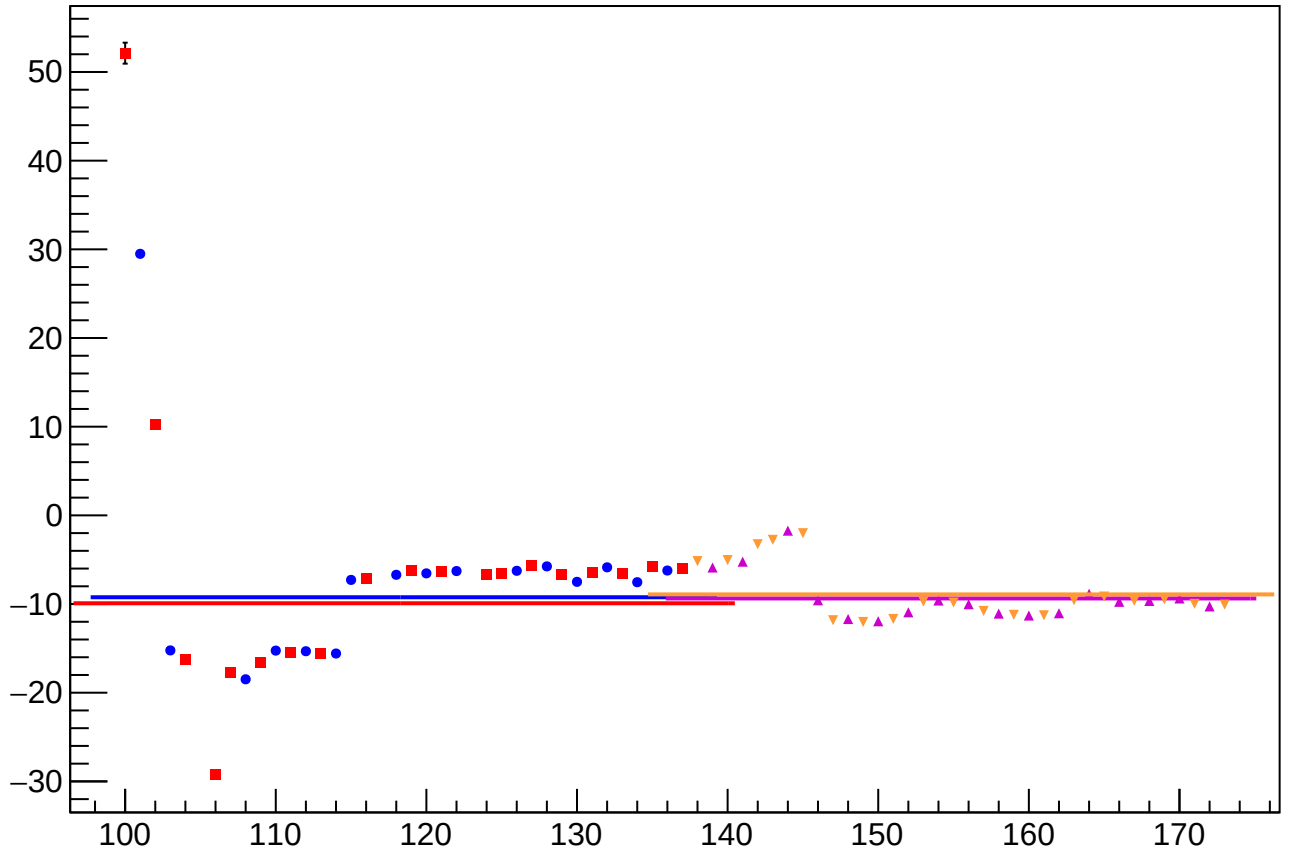
Left: 16.729+/-0.221 χ^2/NDF: 275.9/35

Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

In: 17.375+/-0.281 χ^2/NDF:388.0/32

Out: 17.422+/-0.270 χ^2/NDF:307.1/37

All: 17.399+/-0.195 χ^2/NDF: 695.1/70



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -8.913+/-0.014 χ^2/NDF:44921.2/18

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -9.370+/-0.014 χ^2/NDF:29239.8/16

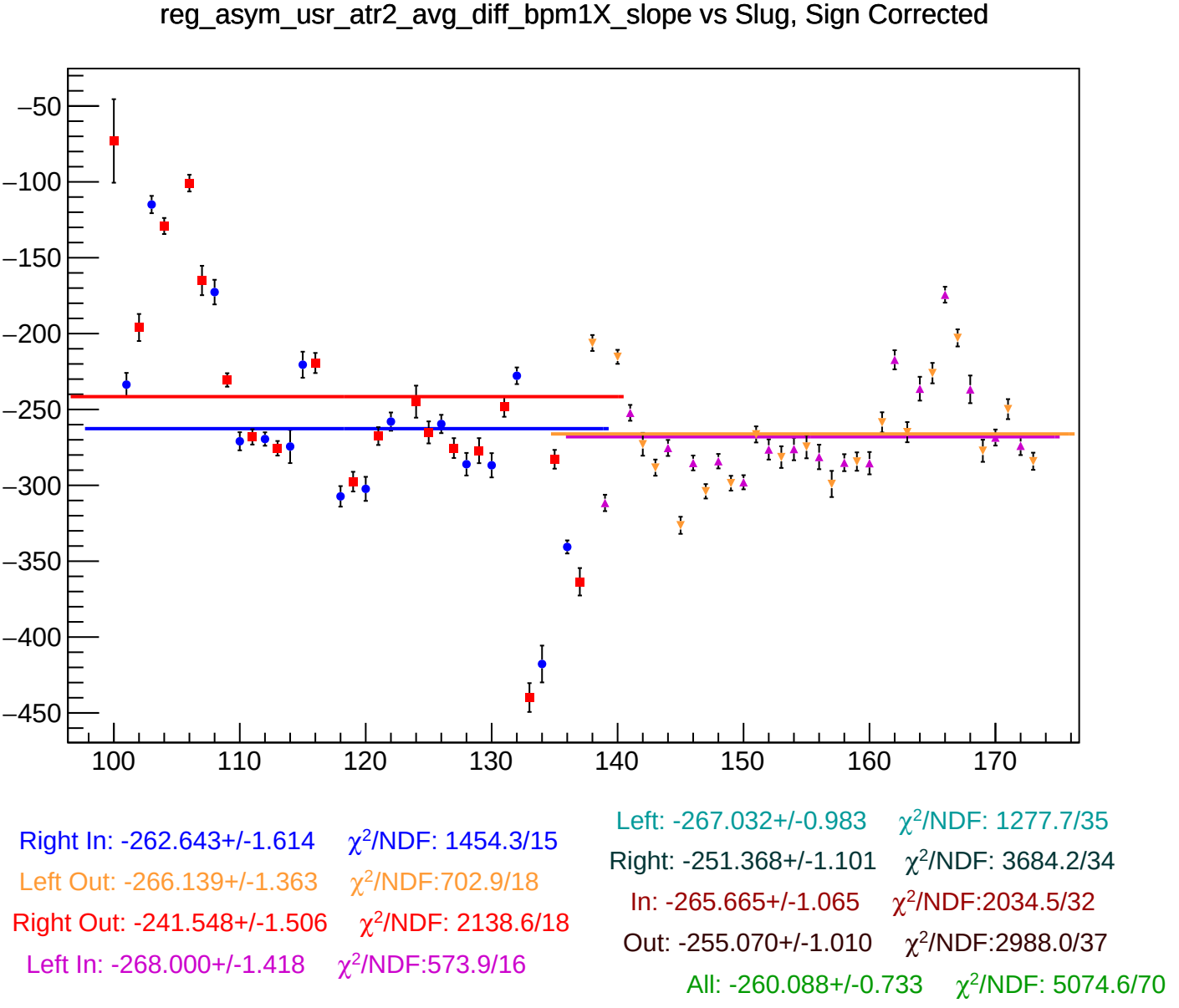
Left: -9.136+/-0.010 χ^2/NDF: 74692.5/35

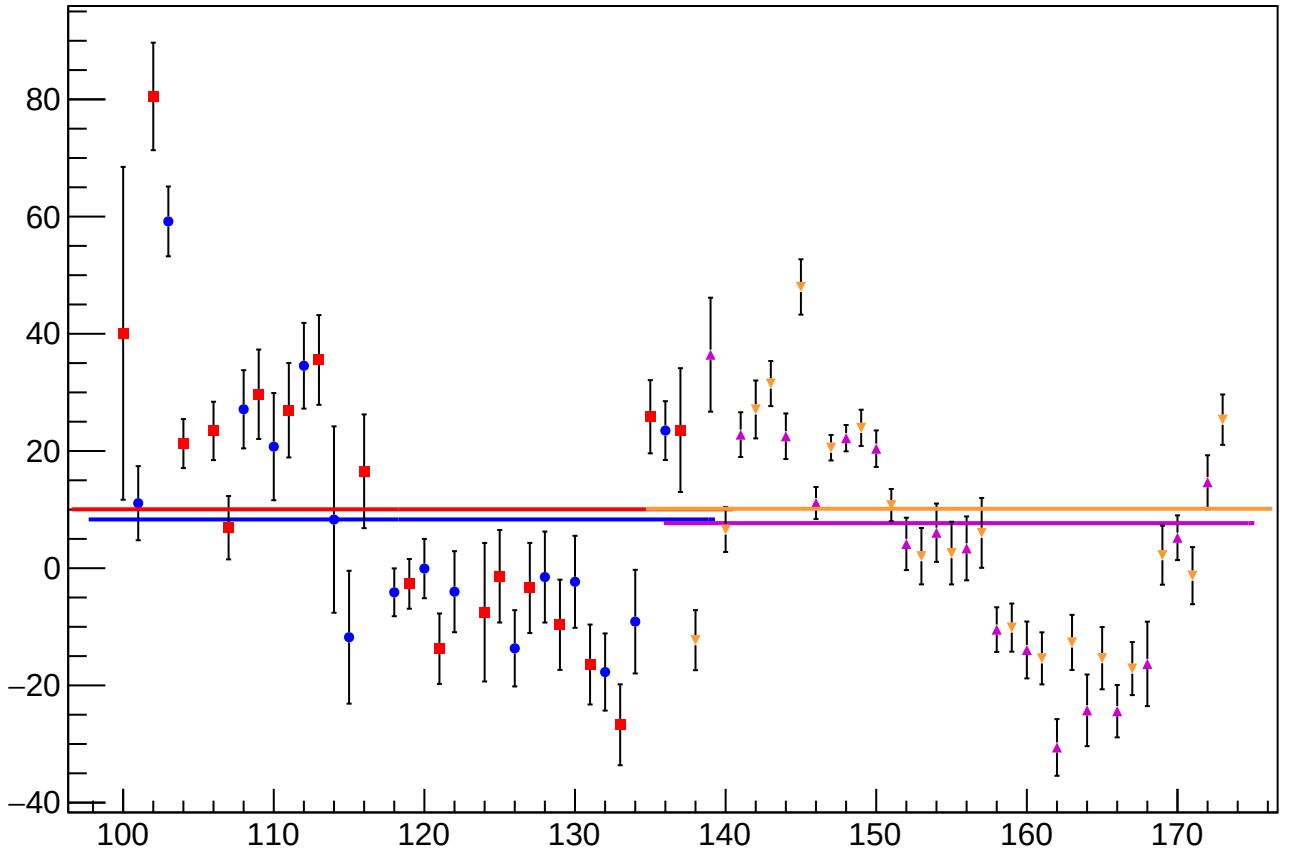
Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

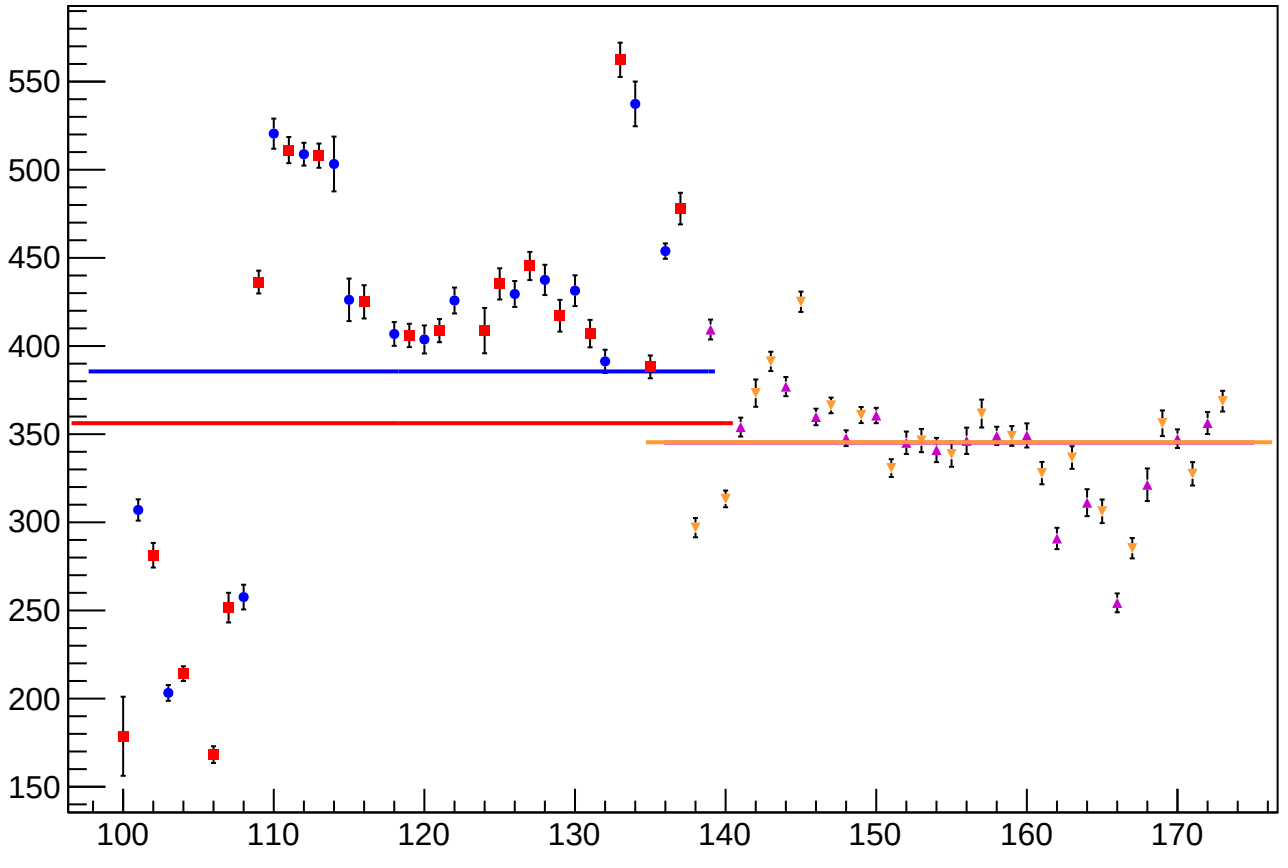
In: -9.349+/-0.013 χ^2/NDF:60413.3/32

Out: -9.052+/-0.013 χ^2/NDF:99509.9/37

All: -9.198+/-0.009 χ^2/NDF: 160186.8/70


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
170
Right In: -262.643+/-1.614 χ²/NDF: 1454.3/15
Left Out: -266.139+/-1.363 χ²/NDF:702.9/18
Right Out: -241.548+/-1.506 χ²/NDF: 2138.6/18
Left In: -268.000+/-1.418 χ²/NDF:573.9/16
Left: -267.032+/-0.983 χ²/NDF: 1277.7/35
Right: -251.368+/-1.101 χ²/NDF: 3684.2/34
In: -265.665+/-1.065 χ²/NDF:2034.5/32
Out: -255.070+/-1.010 χ²/NDF:2988.0/37
All: -260.088+/-0.733 χ²/NDF: 5074.6/70


reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
Right In: 8.320+/-1.644 χ²/NDF: 157.6/15
Left Out: 10.140+/-0.918 χ²/NDF:335.5/18
Right Out: 10.052+/-1.539 χ²/NDF: 187.4/18
Left In: 7.693+/-0.967 χ²/NDF:298.0/16
Left: 8.980+/-0.666 χ²/NDF: 636.9/35
Right: 9.243+/-1.123 χ²/NDF: 345.7/34
In: 7.854+/-0.833 χ²/NDF:455.8/32
Out: 10.117+/-0.788 χ²/NDF:522.9/37
All: 9.049+/-0.573 χ²/NDF: 982.6/70



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 345.428+/-1.338 χ^2/NDF:623.5/18

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 345.222+/-1.381 χ^2/NDF:589.6/16

Left: 345.328+/-0.961 χ^2/NDF: 1213.1/35

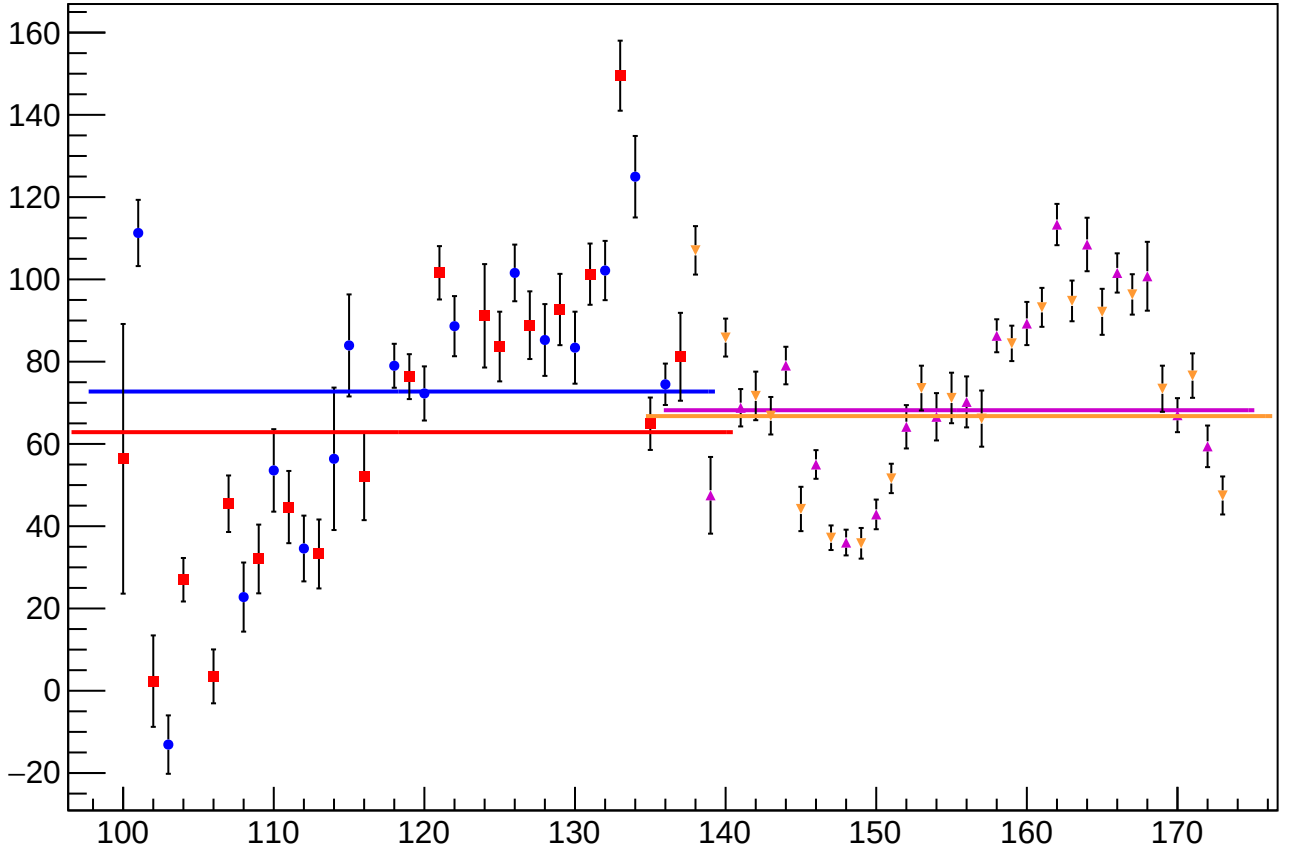
Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 360.804+/-1.082 χ^2/NDF:4292.3/32

Out: 349.729+/-1.038 χ^2/NDF:5919.7/37

All: 355.035+/-0.749 χ^2/NDF: 10266.6/70

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 66.768+/-1.080 χ^2/NDF:427.9/18

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 68.198+/-1.133 χ^2/NDF:403.7/16

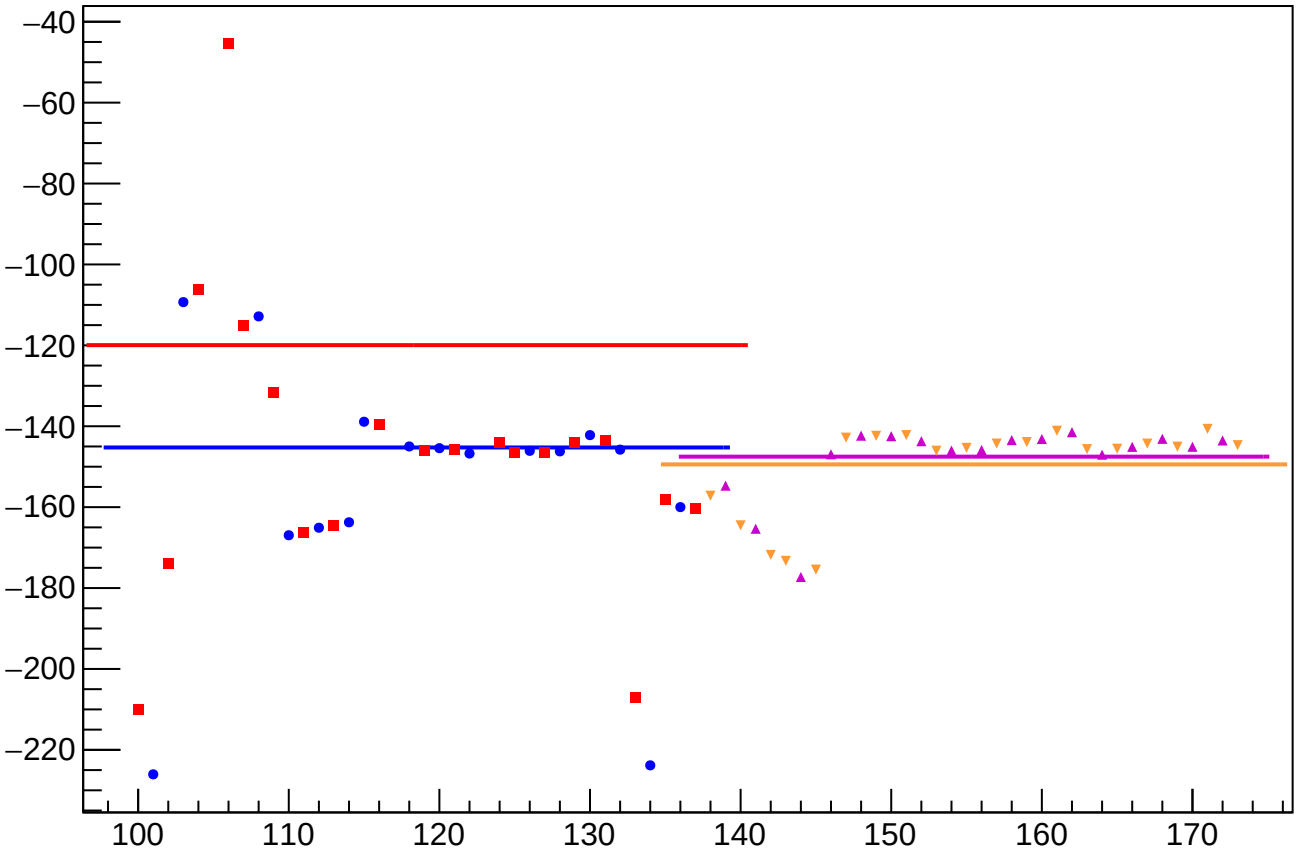
Left: 67.449+/-0.782 χ^2/NDF: 832.5/35

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 69.392+/-0.972 χ^2/NDF:712.3/32

Out: 65.729+/-0.926 χ^2/NDF:835.0/37

All: 67.470+/-0.670 χ^2/NDF: 1554.7/70



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -149.427+/-0.051 χ^2/NDF:45499.4/18

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -147.515+/-0.052 χ^2/NDF:27251.8/16

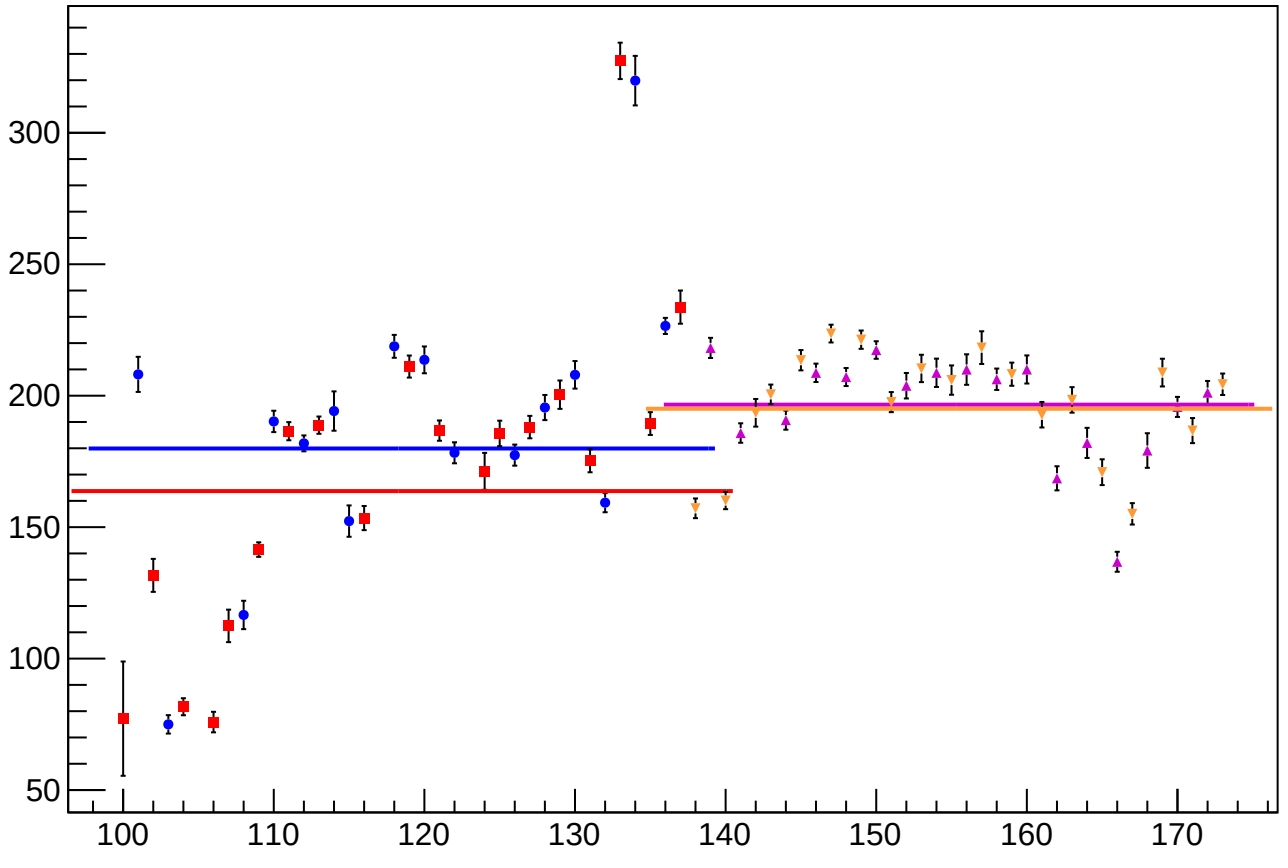
Left: -148.491+/-0.037 χ^2/NDF: 73436.6/35

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -147.016+/-0.046 χ^2/NDF:159724.3/32

Out: -142.115+/-0.044 χ^2/NDF:398412.9/37

All: -144.468+/-0.032 χ^2/NDF: 564011.7/70



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 195.035+/-0.975 χ^2/NDF:540.9/18

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 196.598+/-1.018 χ^2/NDF:427.1/16

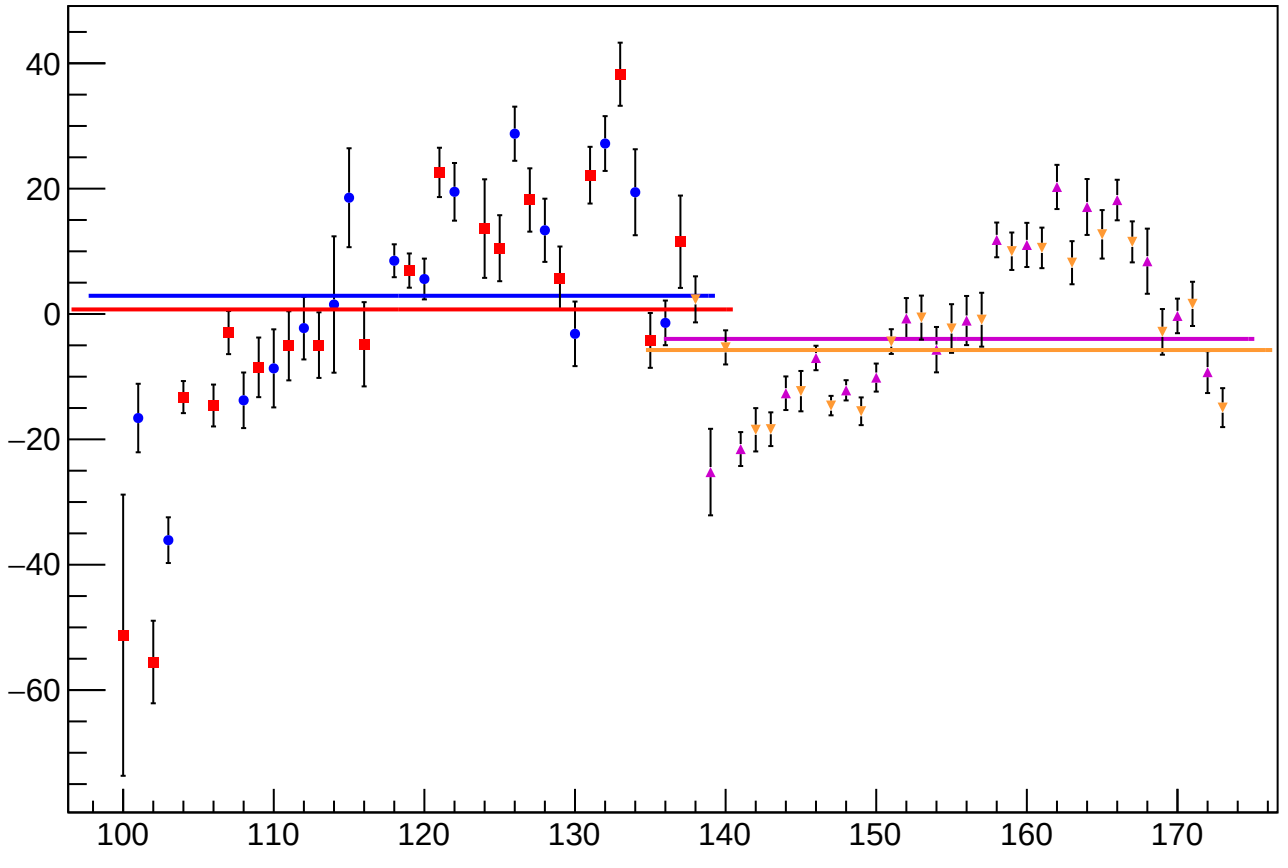
Left: 195.783+/-0.704 χ^2/NDF: 969.3/35

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 188.818+/-0.743 χ^2/NDF:2285.1/32

Out: 179.778+/-0.699 χ^2/NDF:3459.9/37

All: 184.016+/-0.509 χ^2/NDF: 5823.5/70



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -5.748+/-0.657 χ^2/NDF:235.4/18

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -3.975+/-0.694 χ^2/NDF:276.8/16

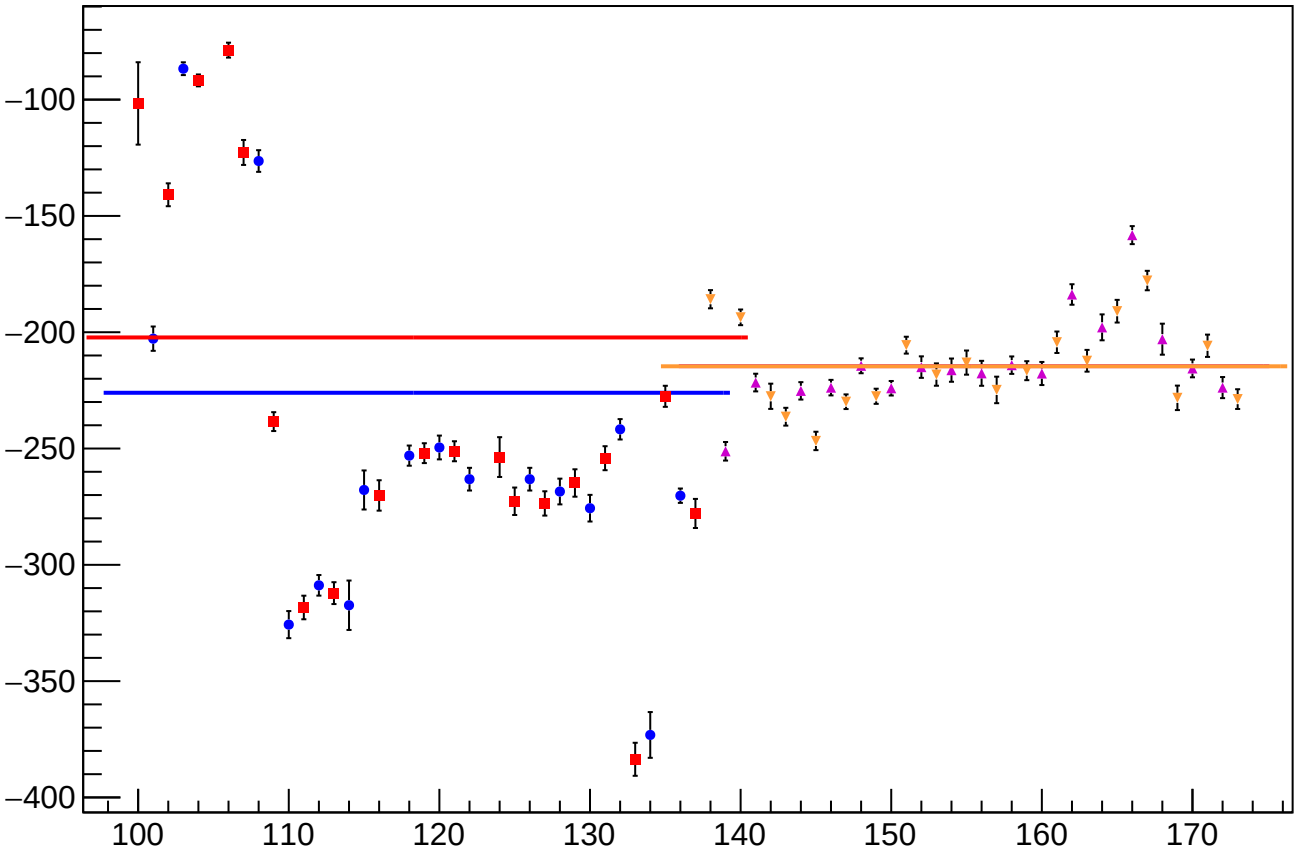
Left: -4.911+/-0.477 χ^2/NDF: 515.6/35

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -2.026+/-0.588 χ^2/NDF:552.1/32

Out: -3.828+/-0.551 χ^2/NDF:537.8/37

All: -2.985+/-0.402 χ^2/NDF: 1094.9/70



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -214.647+/-0.958 χ^2/NDF:373.9/18

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -214.577+/-0.992 χ^2/NDF:390.1/16

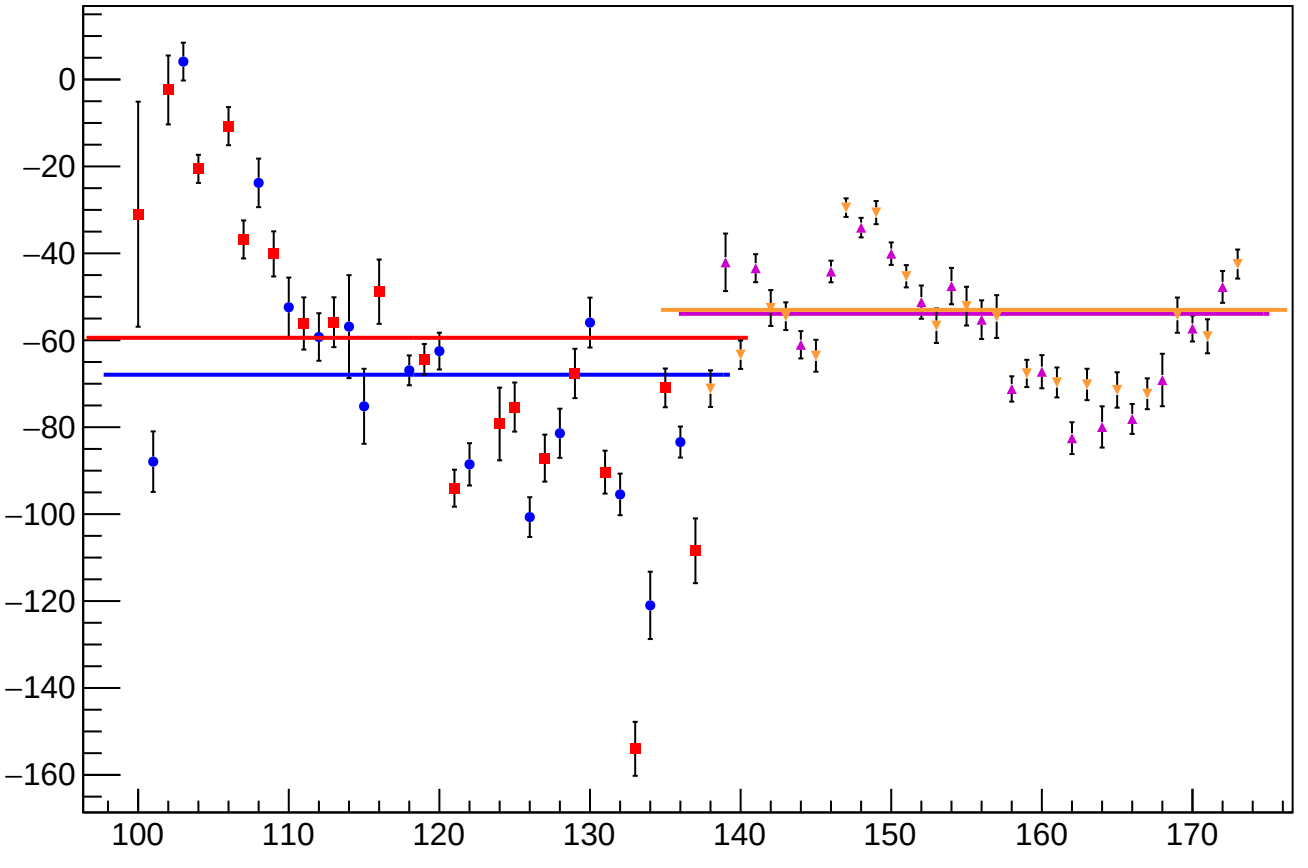
Left: -214.614+/-0.689 χ^2/NDF: 764.1/35

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

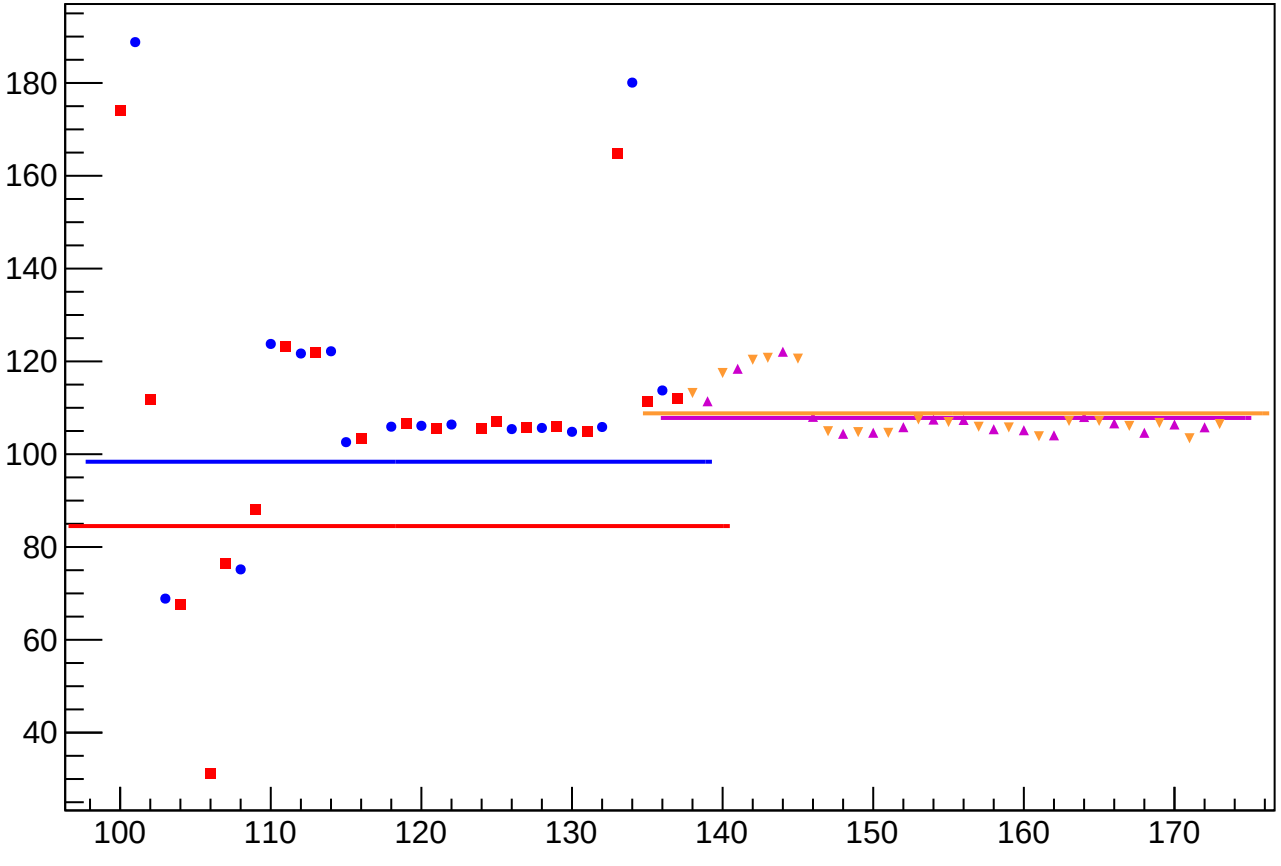
In: -219.342+/-0.758 χ^2/NDF:4984.6/32

Out: -209.225+/-0.719 χ^2/NDF:7137.9/37

All: -214.016+/-0.522 χ^2/NDF: 12216.4/70


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
170
Right In: -67.927+/-1.278 χ²/NDF: 534.0/15
Left Out: -53.004+/-0.774 χ²/NDF:370.0/18
Right Out: -59.428+/-1.184 χ²/NDF: 794.9/18
Left In: -53.912+/-0.814 χ²/NDF:342.0/16
Left: -53.436+/-0.561 χ²/NDF: 712.7/35
Right: -63.353+/-0.869 χ²/NDF: 1352.7/34
In: -57.957+/-0.687 χ²/NDF:961.6/32
Out: -54.928+/-0.648 χ²/NDF:1185.5/37
All: -56.355+/-0.471 χ²/NDF: 2157.3/70

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: 108.804+/-0.037 χ^2/NDF:24343.3/18

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 107.811+/-0.038 χ^2/NDF:15643.0/16

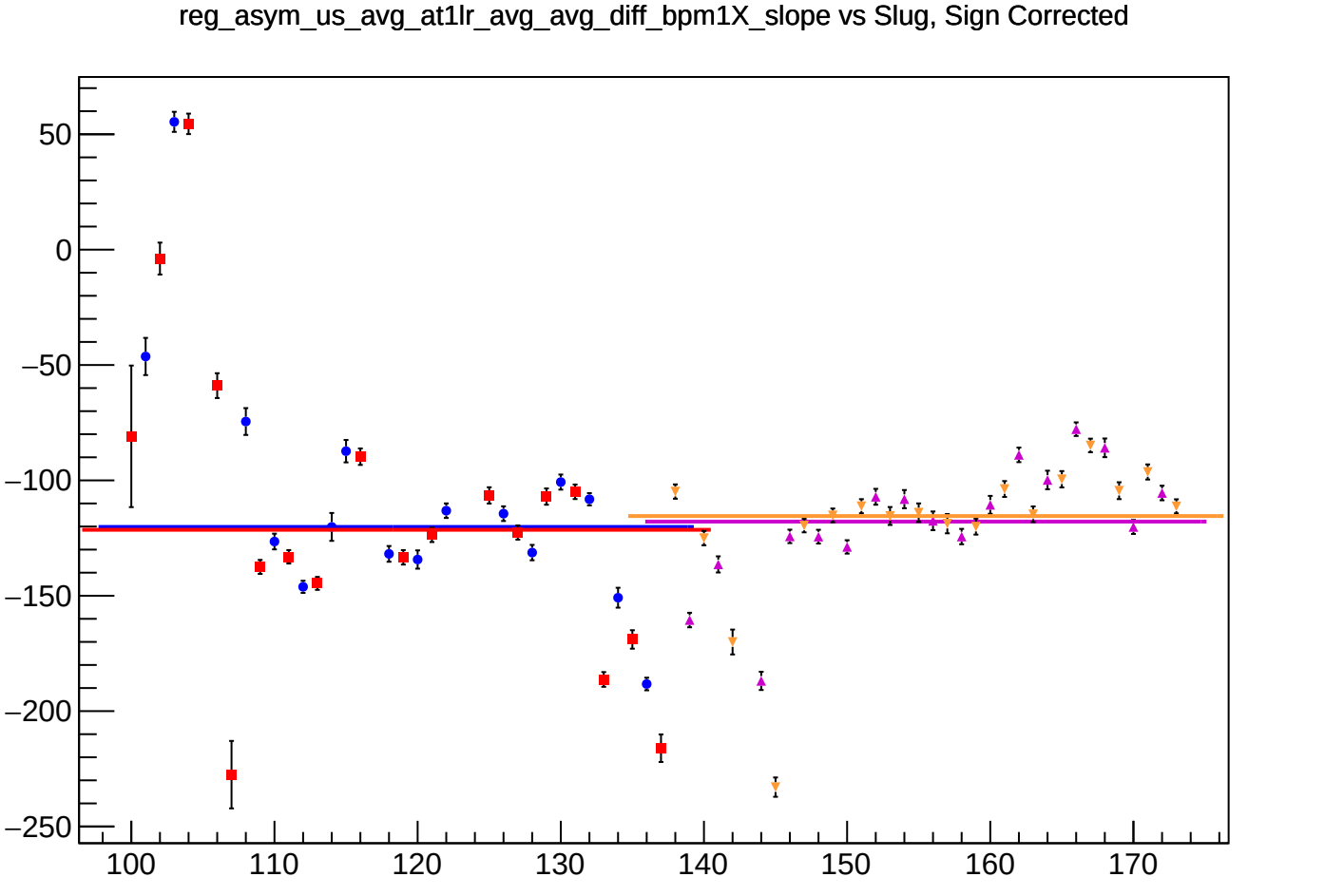
Left: 108.319+/-0.026 χ^2/NDF: 40344.7/35

Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.507+/-0.033 χ^2/NDF:259485.2/32

Out: 102.297+/-0.031 χ^2/NDF:410781.8/37

All: 103.839+/-0.023 χ^2/NDF: 675295.2/70



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -115.463+/-0.805 χ^2/NDF:1102.6/17

Right Out: -121.418+/-0.875 χ^2/NDF: 3126.3/17

Left In: -117.861+/-0.814 χ^2/NDF:931.6/16

Left: -116.649+/-0.572 χ^2/NDF: 2038.5/34

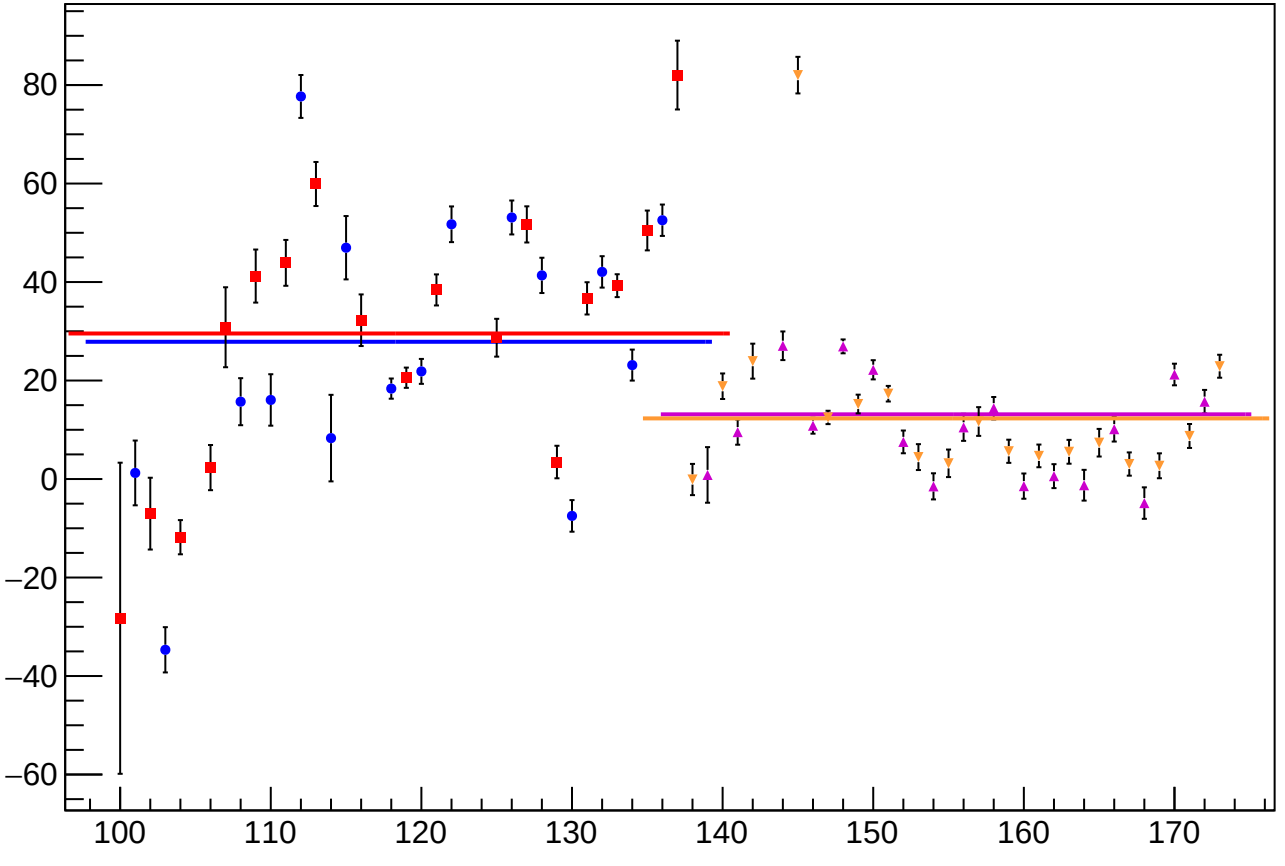
Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -118.915+/-0.601 χ^2/NDF:3626.5/32

Out: -118.191+/-0.592 χ^2/NDF:4254.0/35

All: -118.548+/-0.422 χ^2/NDF: 7881.2/68

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: 12.311+/-0.545 χ^2/NDF:499.2/17

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 13.135+/-0.562 χ^2/NDF:314.8/16

Left: 12.710+/-0.391 χ^2/NDF: 815.0/34

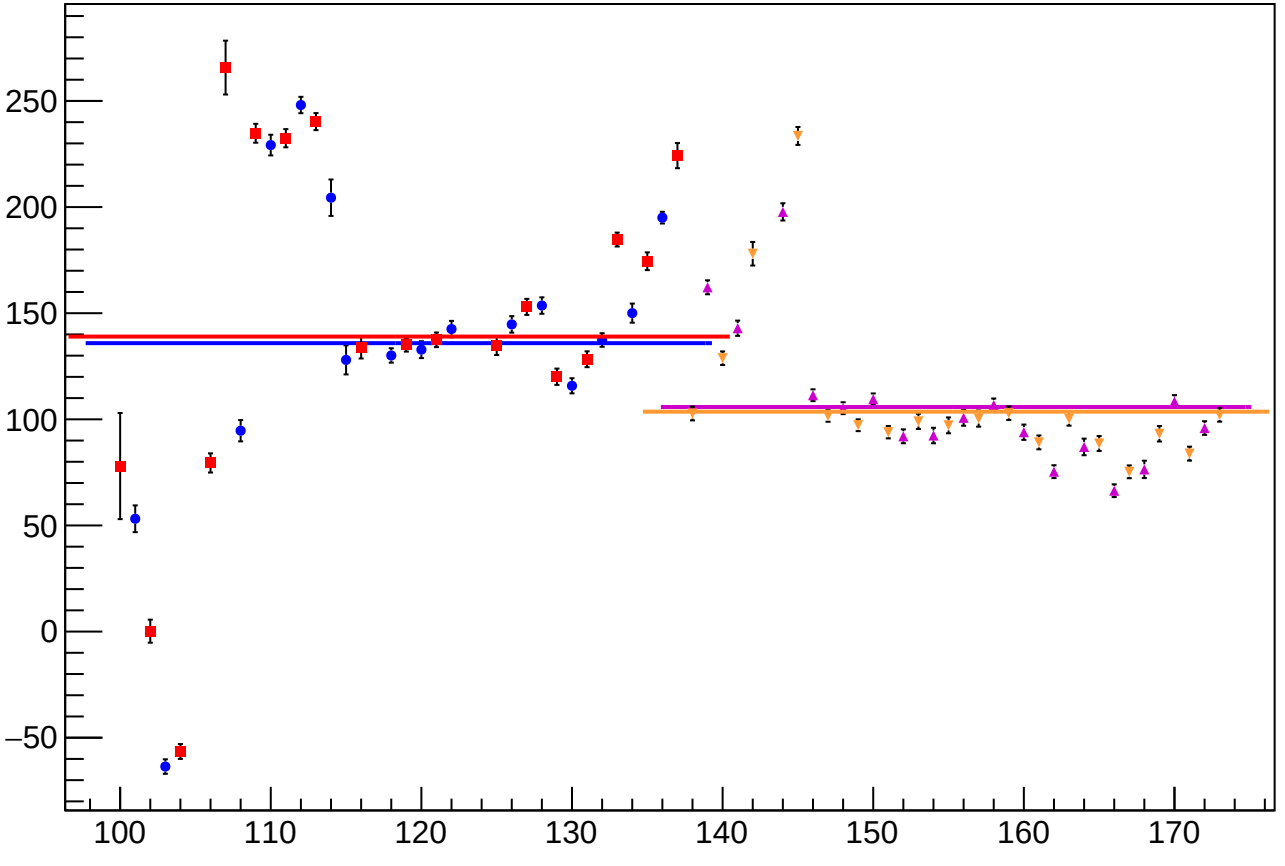
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 17.347+/-0.475 χ^2/NDF:1211.0/32

Out: 17.018+/-0.465 χ^2/NDF:1269.7/35

All: 17.179+/-0.332 χ^2/NDF: 2481.0/68

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: 103.603+/-0.786 χ^2/NDF:1382.1/17

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 105.807+/-0.792 χ^2/NDF:1320.7/16

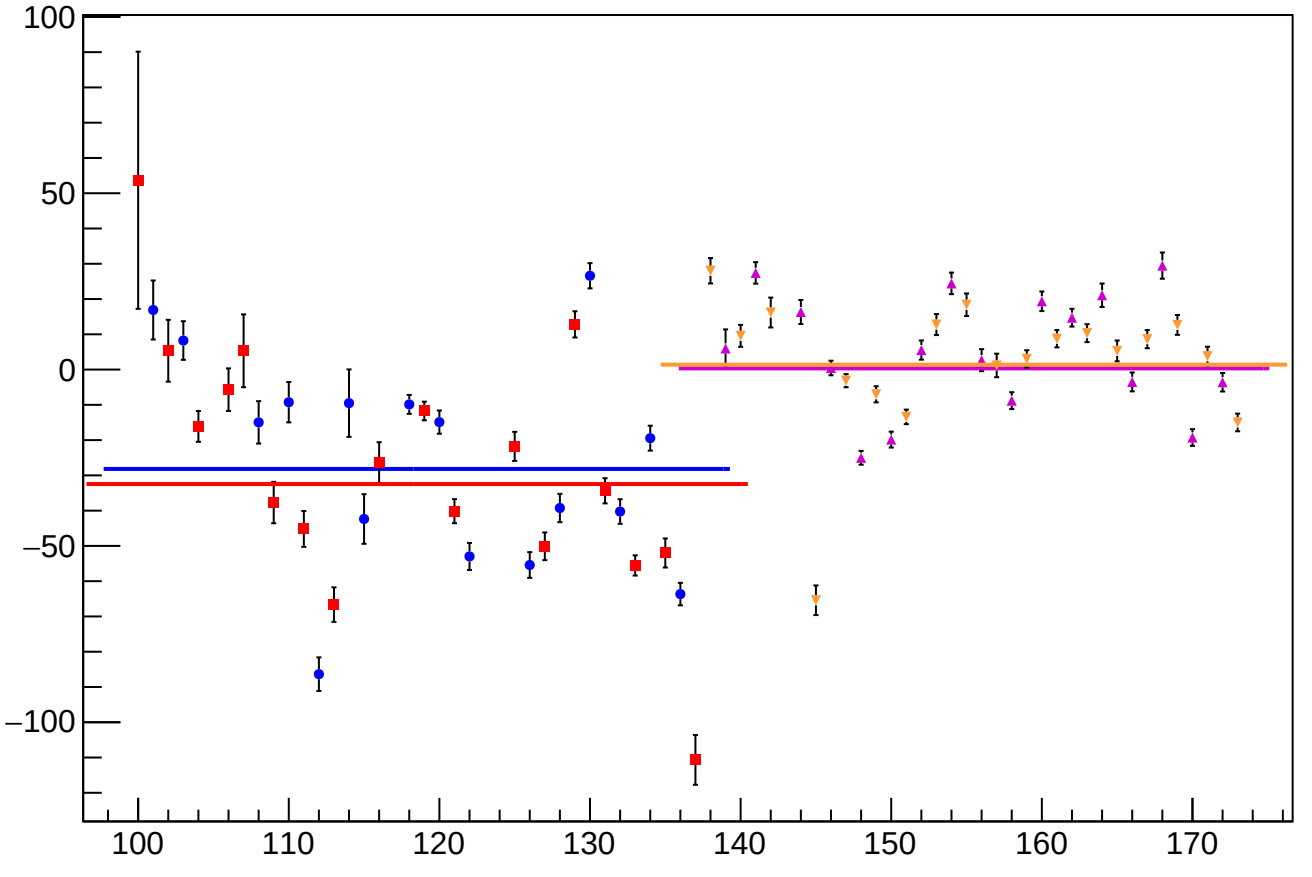
Left: 104.697+/-0.558 χ^2/NDF: 2706.7/34

Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 117.416+/-0.620 χ^2/NDF:7341.4/32

Out: 117.142+/-0.618 χ^2/NDF:8314.0/35

All: 117.278+/-0.438 χ^2/NDF: 15655.5/68



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 1.393+/-0.634 χ^2/NDF:531.2/17

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 0.332+/-0.652 χ^2/NDF:683.0/16

Left: 0.877+/-0.455 χ^2/NDF: 1215.5/34

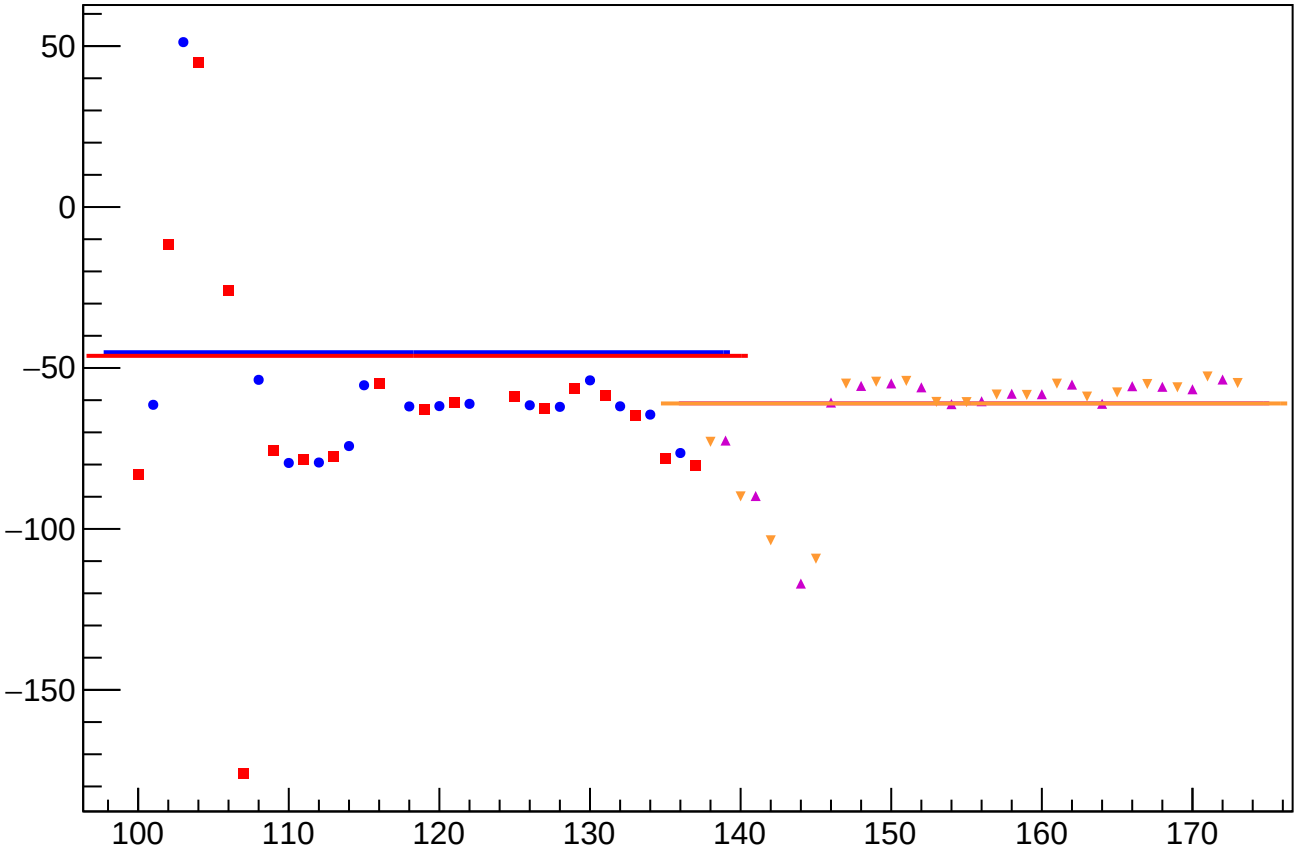
Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -7.915+/-0.550 χ^2/NDF:2026.9/32

Out: -7.954+/-0.540 χ^2/NDF:1898.0/35

All: -7.935+/-0.385 χ^2/NDF: 3924.9/68

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -61.019+/-0.029 χ^2/NDF:196394.6/17

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -60.975+/-0.029 χ^2/NDF:162879.7/16

Left: -60.998+/-0.021 χ^2/NDF: 359275.4/34

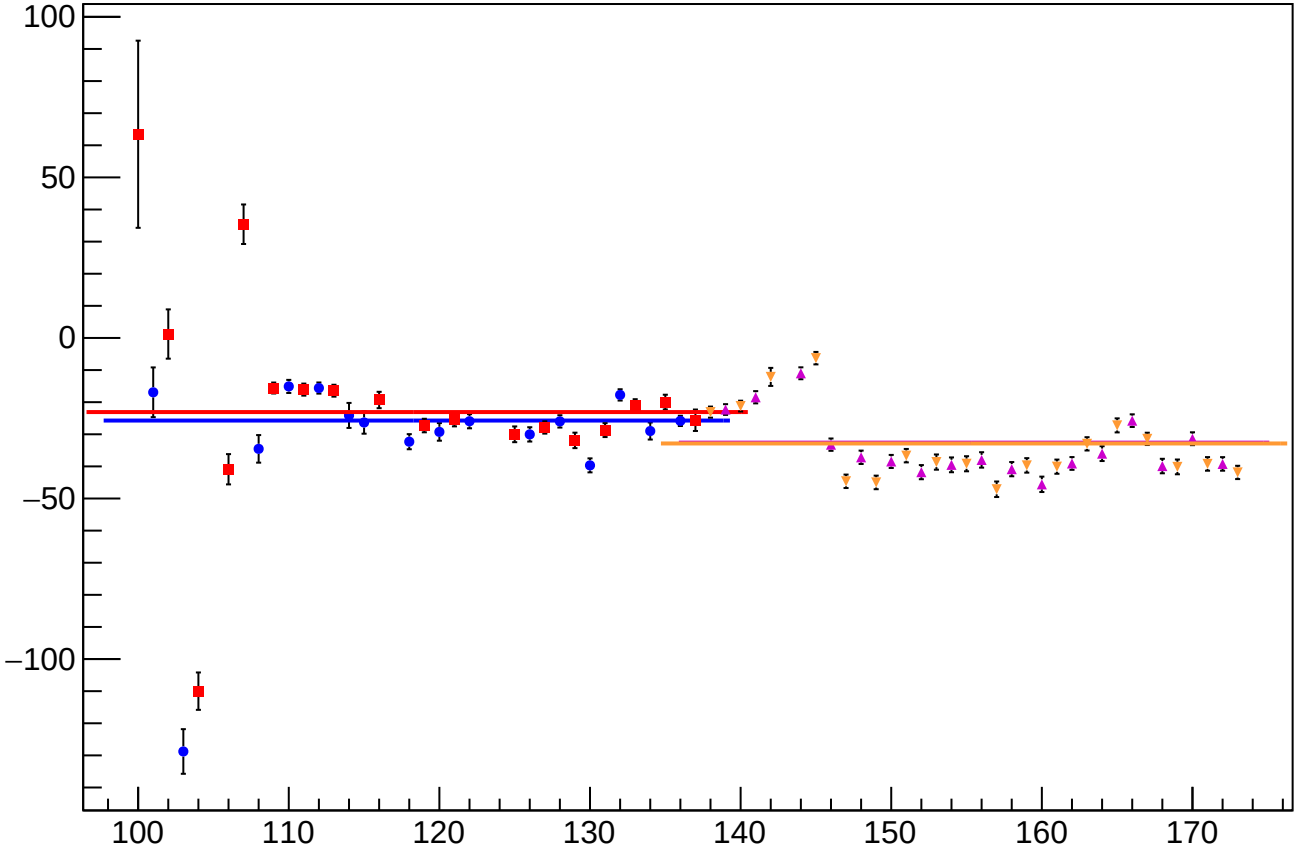
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -57.904+/-0.026 χ^2/NDF:794230.0/32

Out: -58.361+/-0.027 χ^2/NDF:735822.4/35

All: -58.132+/-0.019 χ^2/NDF: 1530201.5/68

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: -32.861+/-0.497 χ^2/NDF:502.4/17

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.602+/-0.501 χ^2/NDF:361.5/16

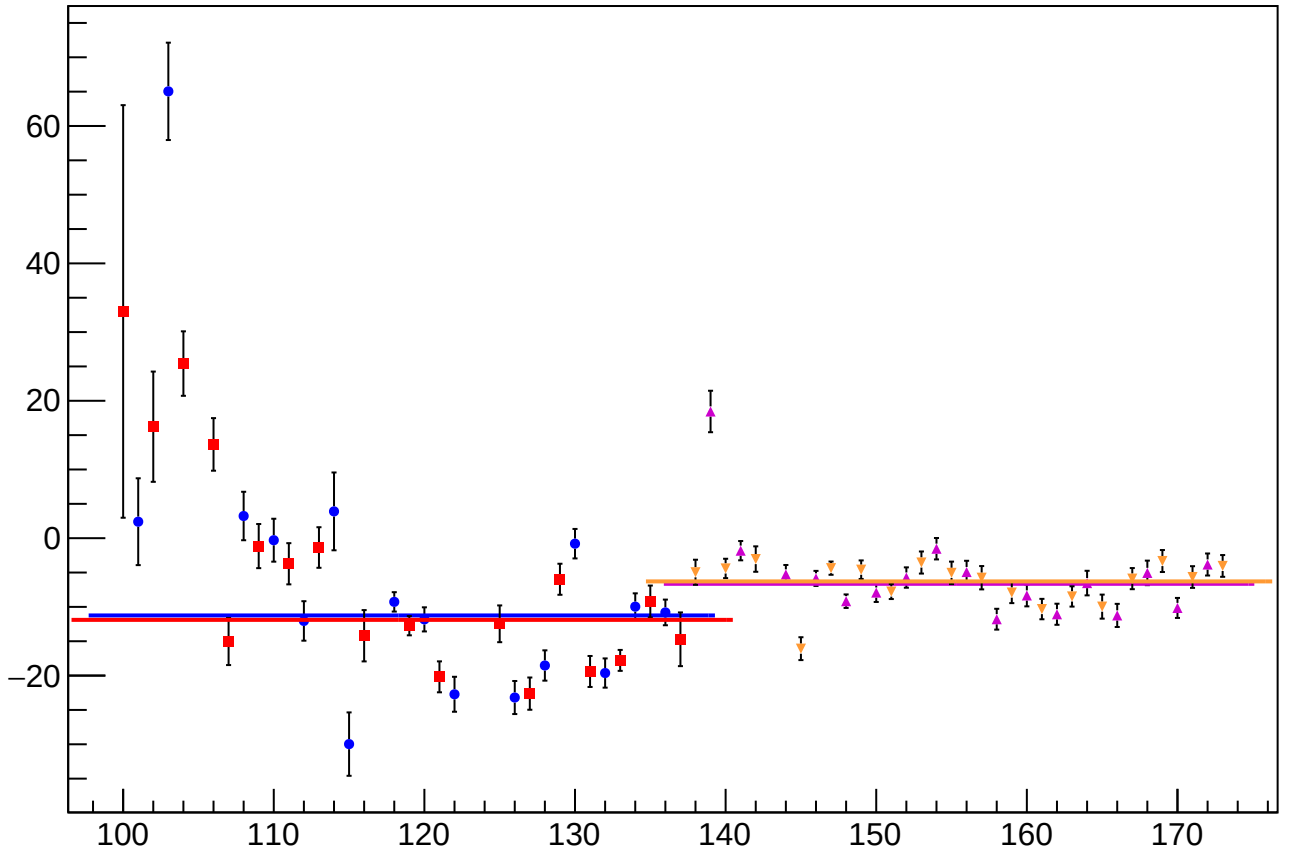
Left: -32.732+/-0.353 χ^2/NDF: 864.0/34

Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

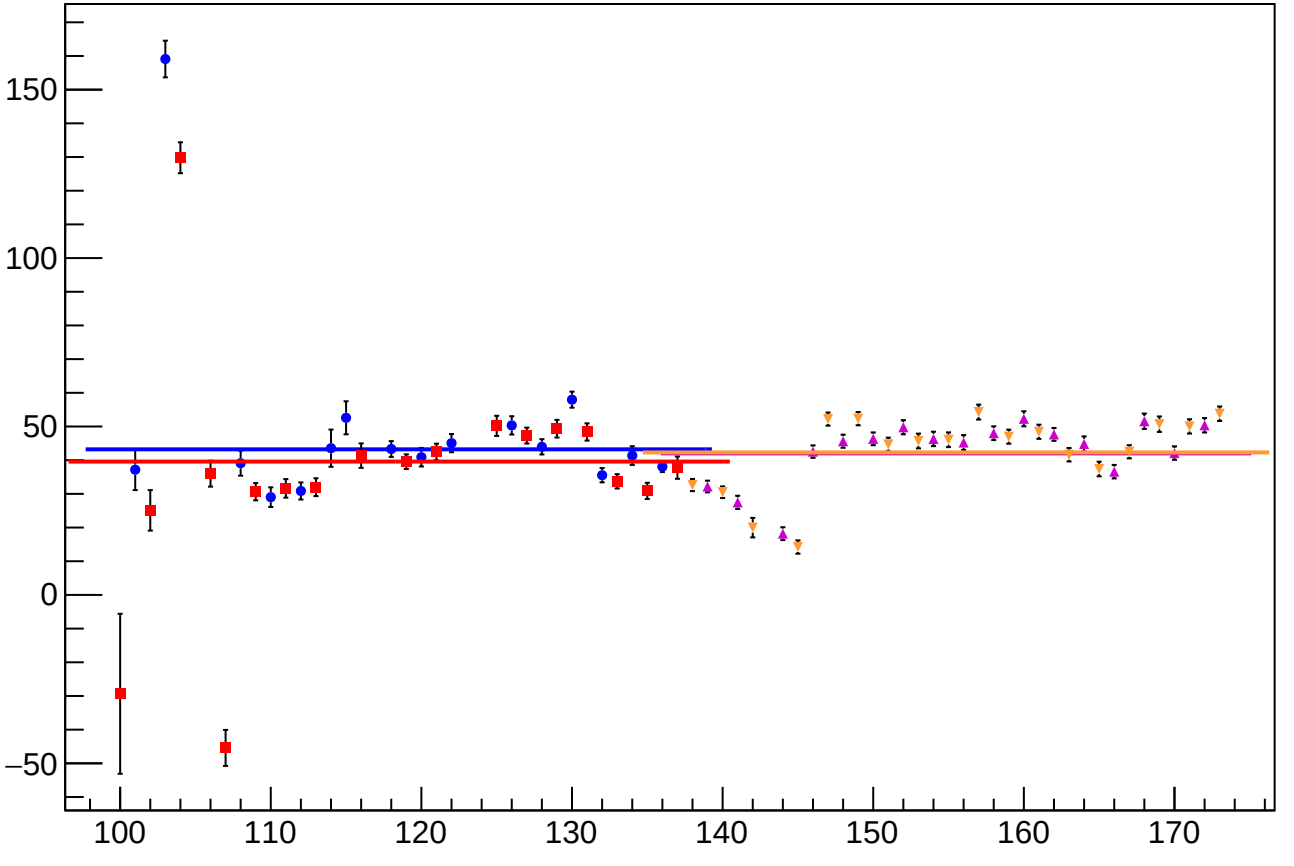
In: -29.717+/-0.382 χ^2/NDF:803.4/32

Out: -28.735+/-0.378 χ^2/NDF:1103.0/35

All: -29.221+/-0.269 χ^2/NDF: 1909.7/68


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
170
Right In: -11.246+/-0.600 χ²/NDF: 271.1/15
Left Out: -6.291+/-0.347 χ²/NDF:71.8/17
Right Out: -11.890+/-0.607 χ²/NDF: 224.5/17
Left In: -6.641+/-0.356 χ²/NDF:140.2/16
Left: -6.461+/-0.249 χ²/NDF: 212.5/34
Right: -11.564+/-0.427 χ²/NDF: 496.1/33
In: -7.841+/-0.306 χ²/NDF:454.9/32
Out: -7.670+/-0.301 χ²/NDF:360.4/35
All: -7.754+/-0.215 χ²/NDF: 815.4/68

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: 42.305+/-0.488 χ^2/NDF:496.9/17

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 42.022+/-0.490 χ^2/NDF:350.6/16

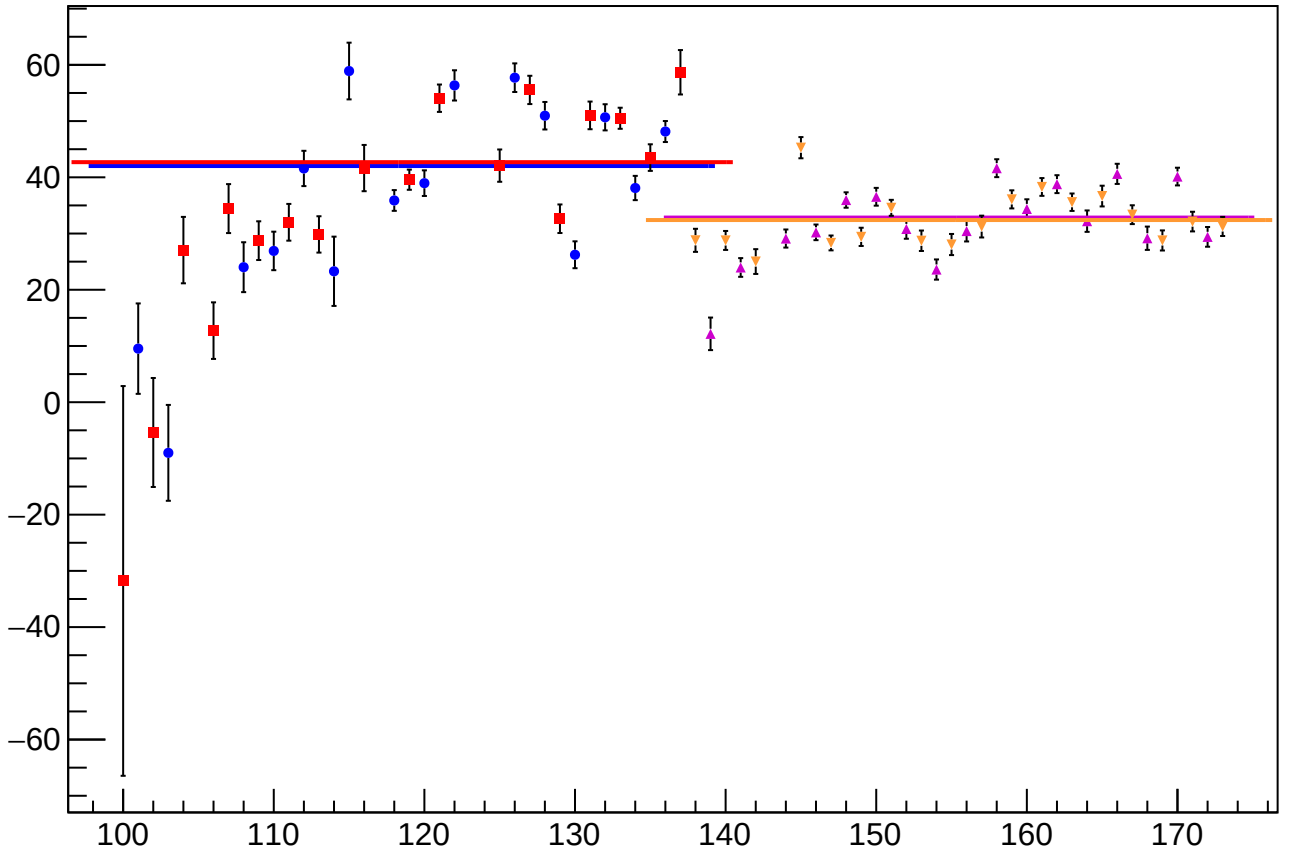
Left: 42.164+/-0.346 χ^2/NDF: 847.7/34

Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 42.433+/-0.397 χ^2/NDF:928.7/32

Out: 41.390+/-0.397 χ^2/NDF:1261.4/35

All: 41.912+/-0.281 χ^2/NDF: 2193.5/68



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 32.400+/-0.401 χ^2/NDF:124.2/17

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 32.839+/-0.411 χ^2/NDF:221.1/16

Left: 32.614+/-0.287 χ^2/NDF: 345.8/34

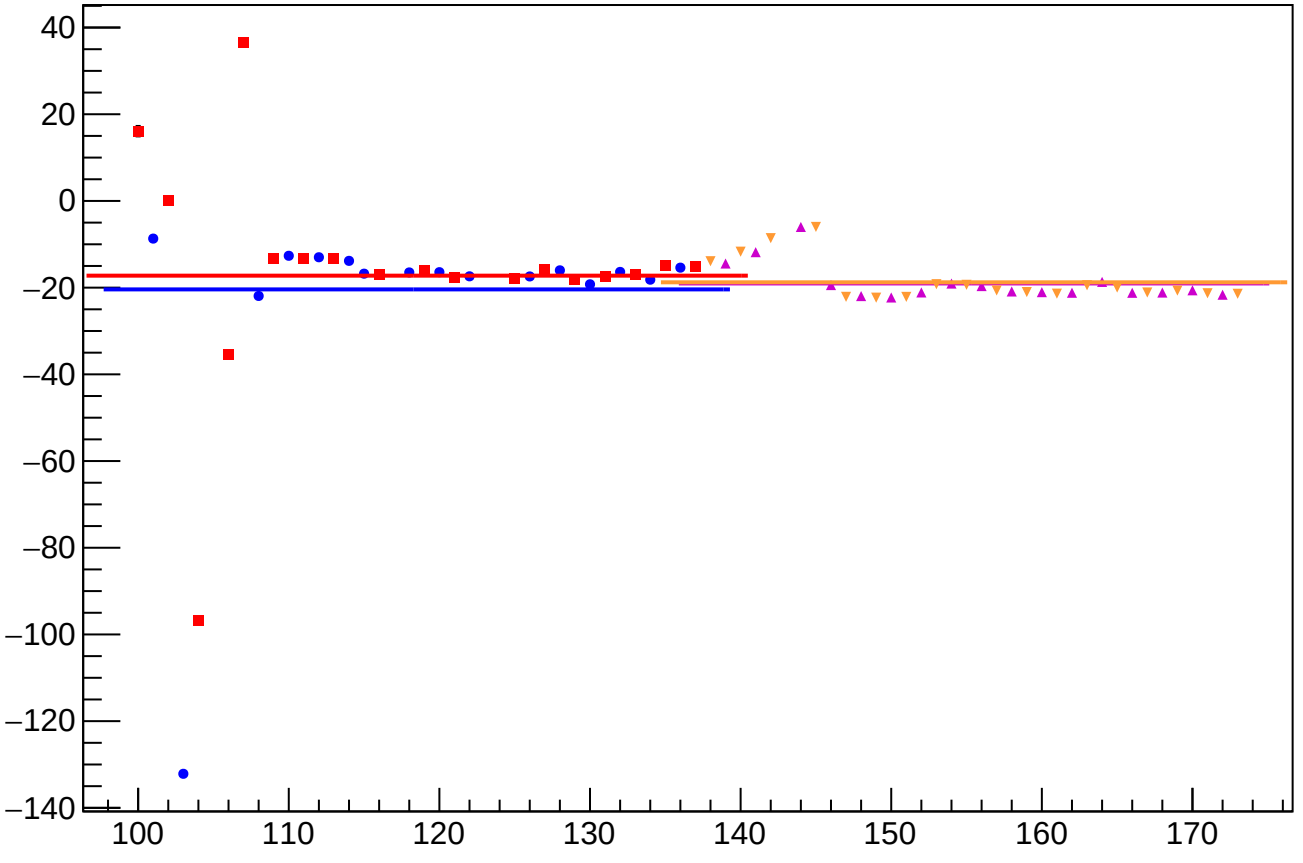
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 35.272+/-0.352 χ^2/NDF:625.8/32

Out: 34.973+/-0.347 χ^2/NDF:519.2/35

All: 35.120+/-0.247 χ^2/NDF: 1145.4/68

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: -18.770+/-0.018 χ^2/NDF:59964.4/17

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -19.035+/-0.018 χ^2/NDF:46371.0/16

Left: -18.902+/-0.013 χ^2/NDF: 106441.7/34

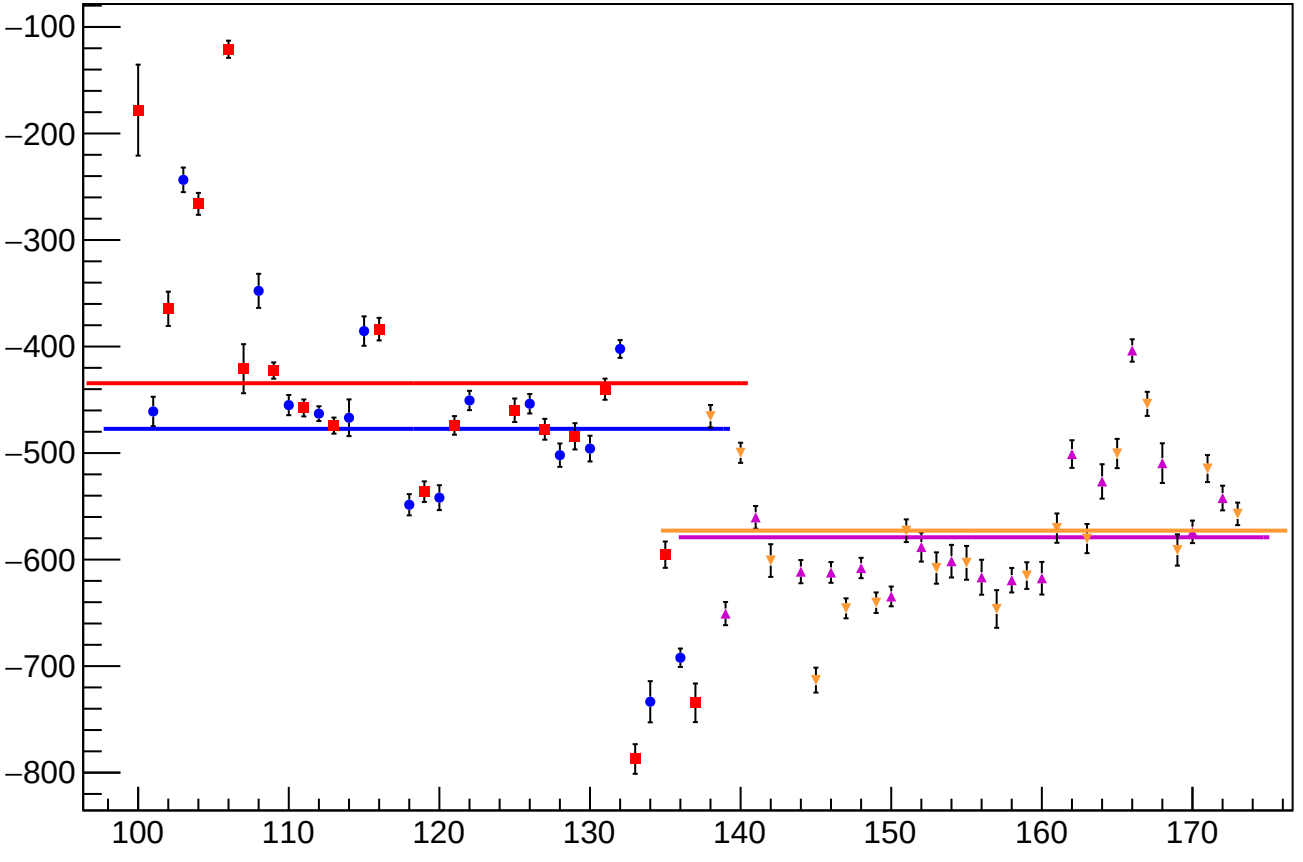
Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -19.253+/-0.017 χ^2/NDF:292881.6/32

Out: -18.548+/-0.017 χ^2/NDF:265656.2/35

All: -18.902+/-0.012 χ^2/NDF: 559424.5/68

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -572.782+/-2.835 χ^2/NDF:622.3/17

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -579.050+/-2.863 χ^2/NDF:486.4/16

Left: -575.884+/-2.015 χ^2/NDF: 1111.2/34

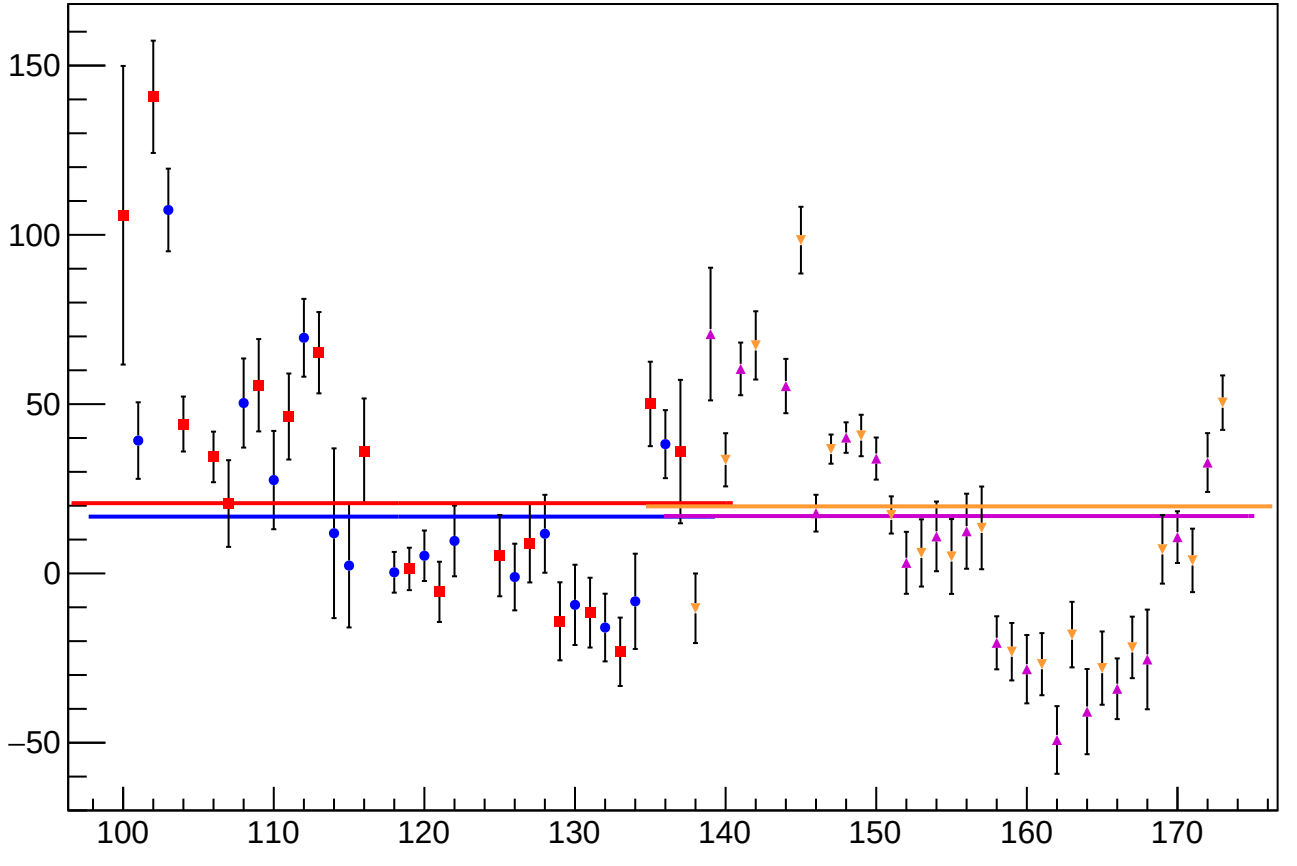
Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -523.894+/-1.938 χ^2/NDF:2682.0/32

Out: -493.965+/-1.860 χ^2/NDF:5140.9/35

All: -508.311+/-1.342 χ^2/NDF: 7947.0/68

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: 19.807+/-1.895 χ^2/NDF:255.1/17

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 16.947+/-1.949 χ^2/NDF:250.9/16

Left: 18.417+/-1.359 χ^2/NDF: 507.1/34

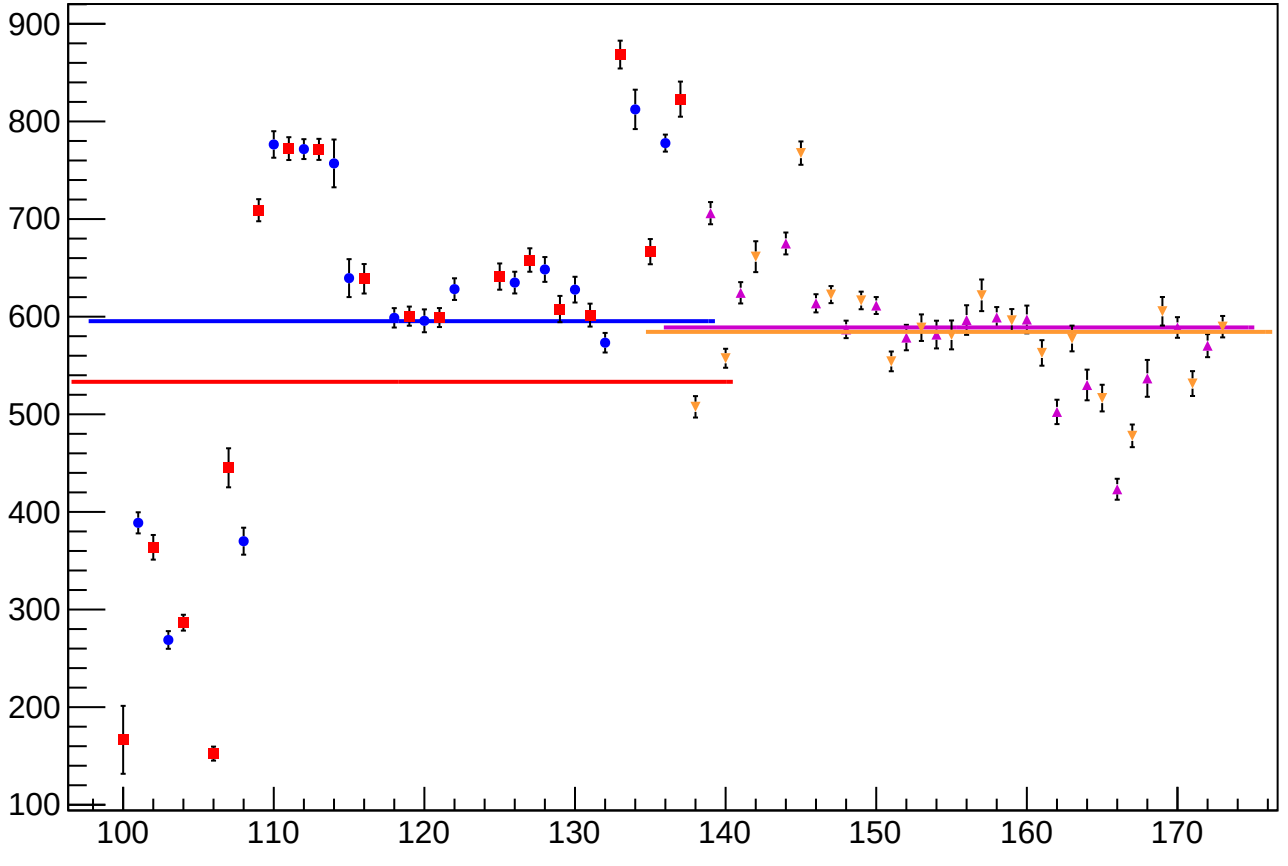
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 16.889+/-1.571 χ^2/NDF:375.9/32

Out: 20.143+/-1.521 χ^2/NDF:413.1/35

All: 18.569+/-1.093 χ^2/NDF: 791.2/68

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: 584.437+/-2.776 χ^2/NDF:493.5/17

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 588.975+/-2.790 χ^2/NDF:502.5/16

Left: 586.694+/-1.968 χ^2/NDF: 997.4/34

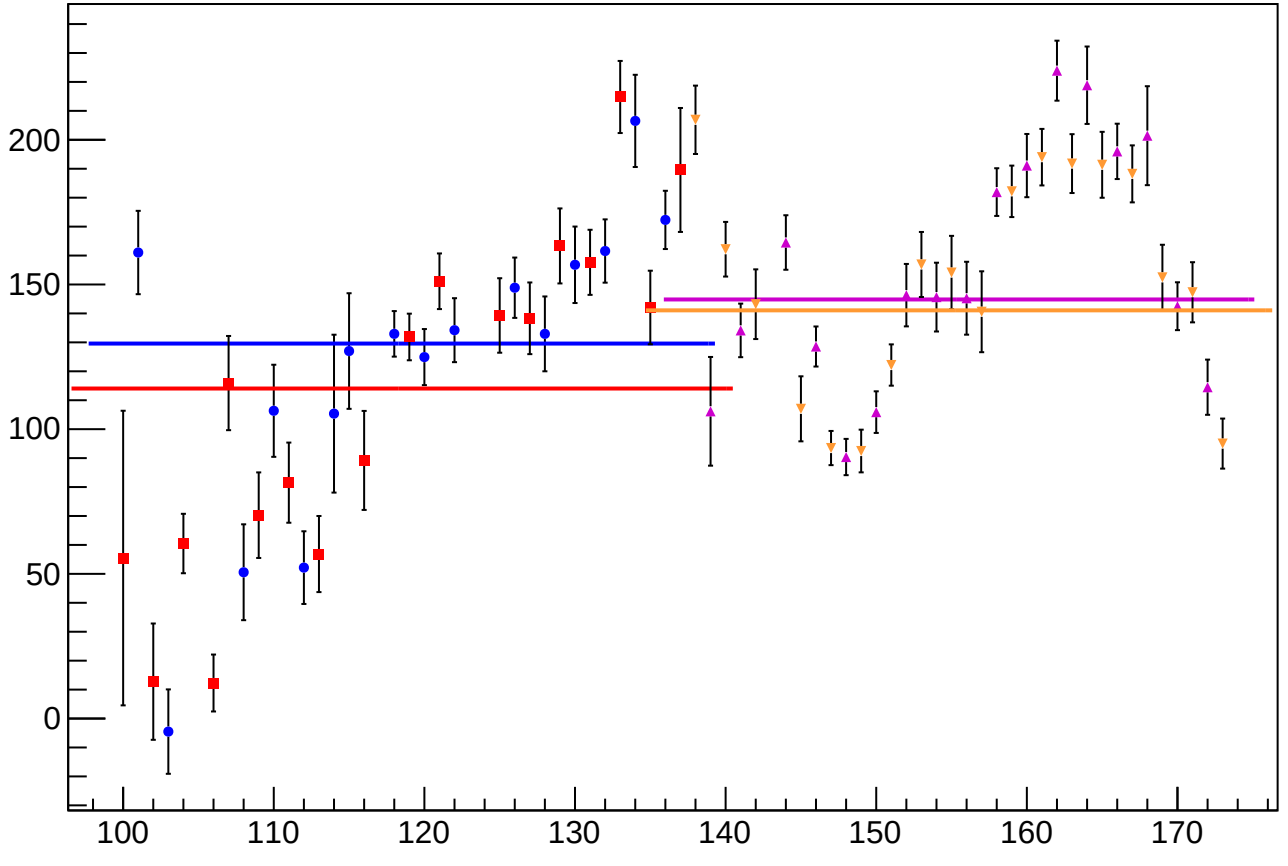
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 592.034+/-2.020 χ^2/NDF:3564.8/32

Out: 558.585+/-1.952 χ^2/NDF:7168.0/35

All: 574.735+/-1.404 χ^2/NDF: 10874.6/68

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: 141.064+/-2.234 χ^2/NDF:311.5/17

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 144.825+/-2.286 χ^2/NDF:297.0/16

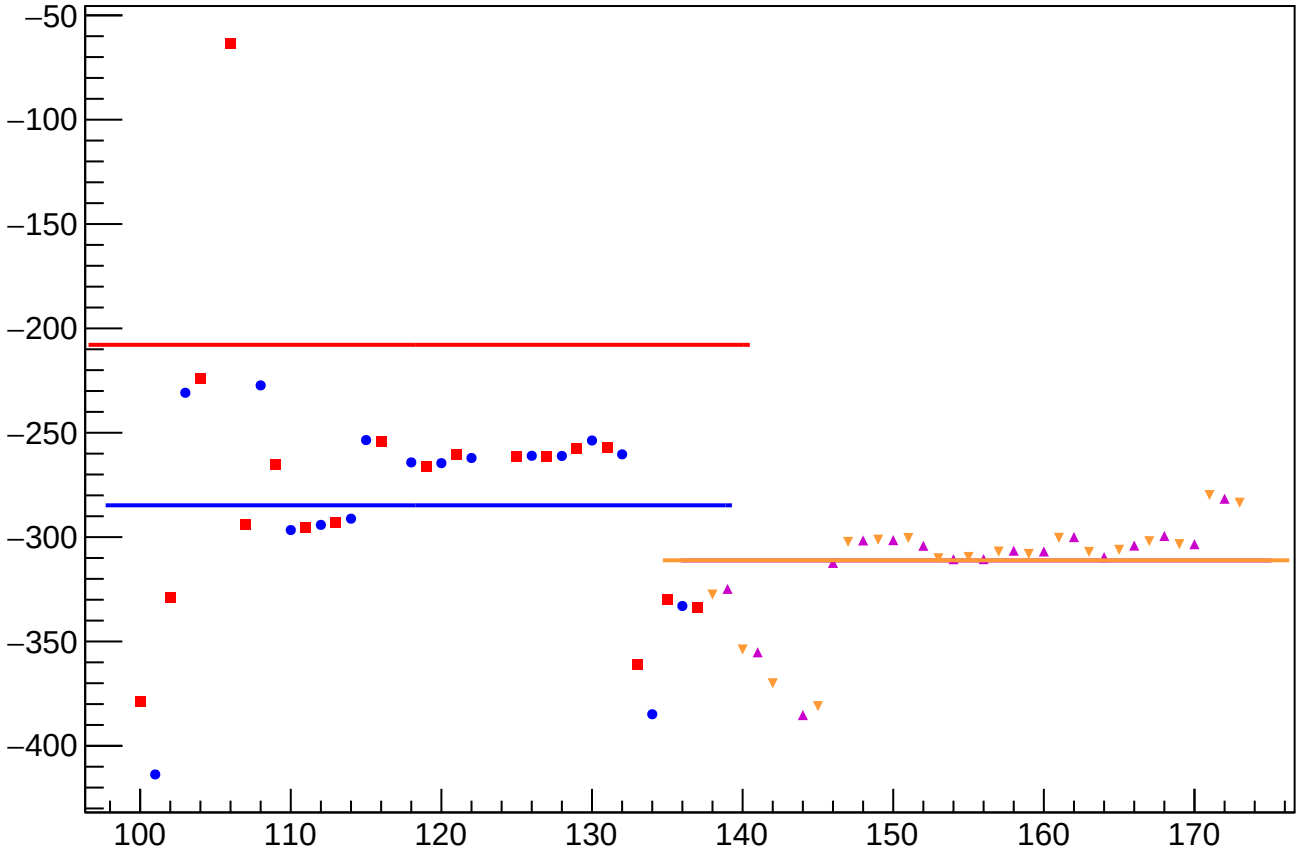
Left: 142.901+/-1.598 χ^2/NDF: 609.9/34

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 139.414+/-1.836 χ^2/NDF:524.0/32

Out: 131.329+/-1.786 χ^2/NDF:700.1/35

All: 135.262+/-1.280 χ^2/NDF: 1234.1/68



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -311.115+/-0.106 χ^2/NDF:54874.9/17

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -311.193+/-0.105 χ^2/NDF:41417.8/16

Left: -311.154+/-0.075 χ^2/NDF: 96293.0/34

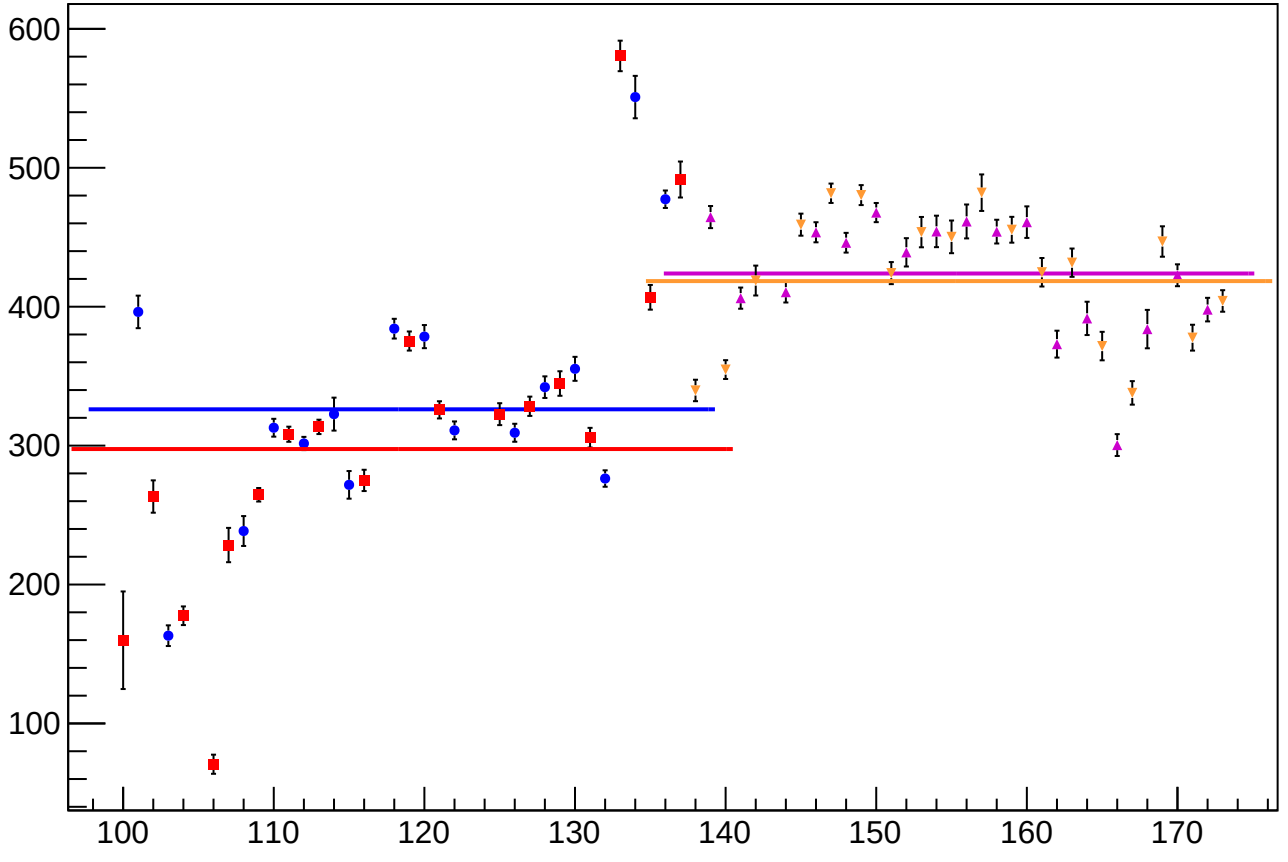
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -304.303+/-0.091 χ^2/NDF:162167.1/32

Out: -276.576+/-0.086 χ^2/NDF:911738.8/35

All: -289.722+/-0.062 χ^2/NDF: 1123088.3/68

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: 418.435+/-2.081 χ^2/NDF:575.1/17

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 423.900+/-2.105 χ^2/NDF:442.7/16

Left: 421.135+/-1.480 χ^2/NDF: 1021.2/34

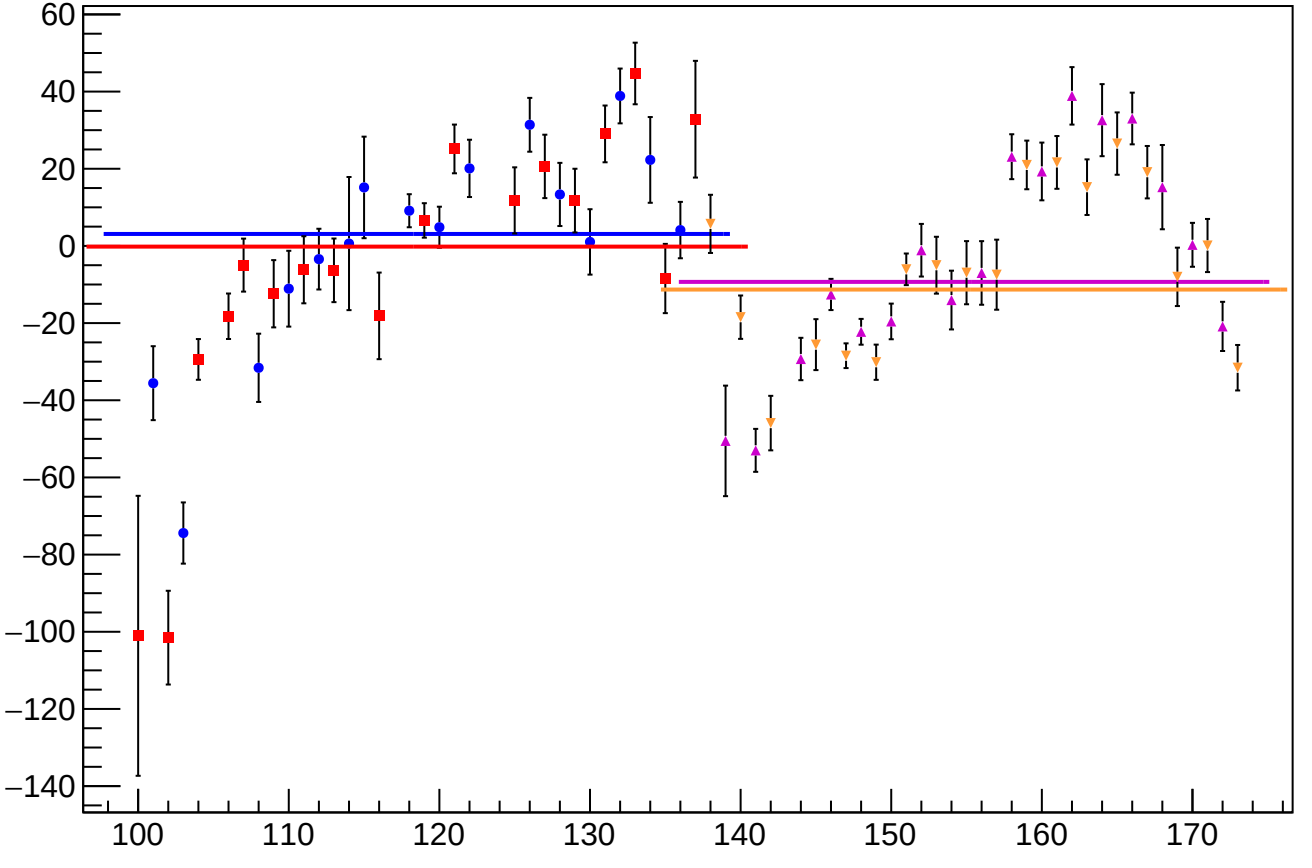
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 368.905+/-1.393 χ^2/NDF:3298.6/32

Out: 347.109+/-1.332 χ^2/NDF:5342.3/35

All: 357.525+/-0.963 χ^2/NDF: 8768.8/68

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: -11.309+/-1.396 χ^2/NDF:203.7/17

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -9.322+/-1.437 χ^2/NDF:264.4/16

Left: -10.344+/-1.001 χ^2/NDF: 469.1/34

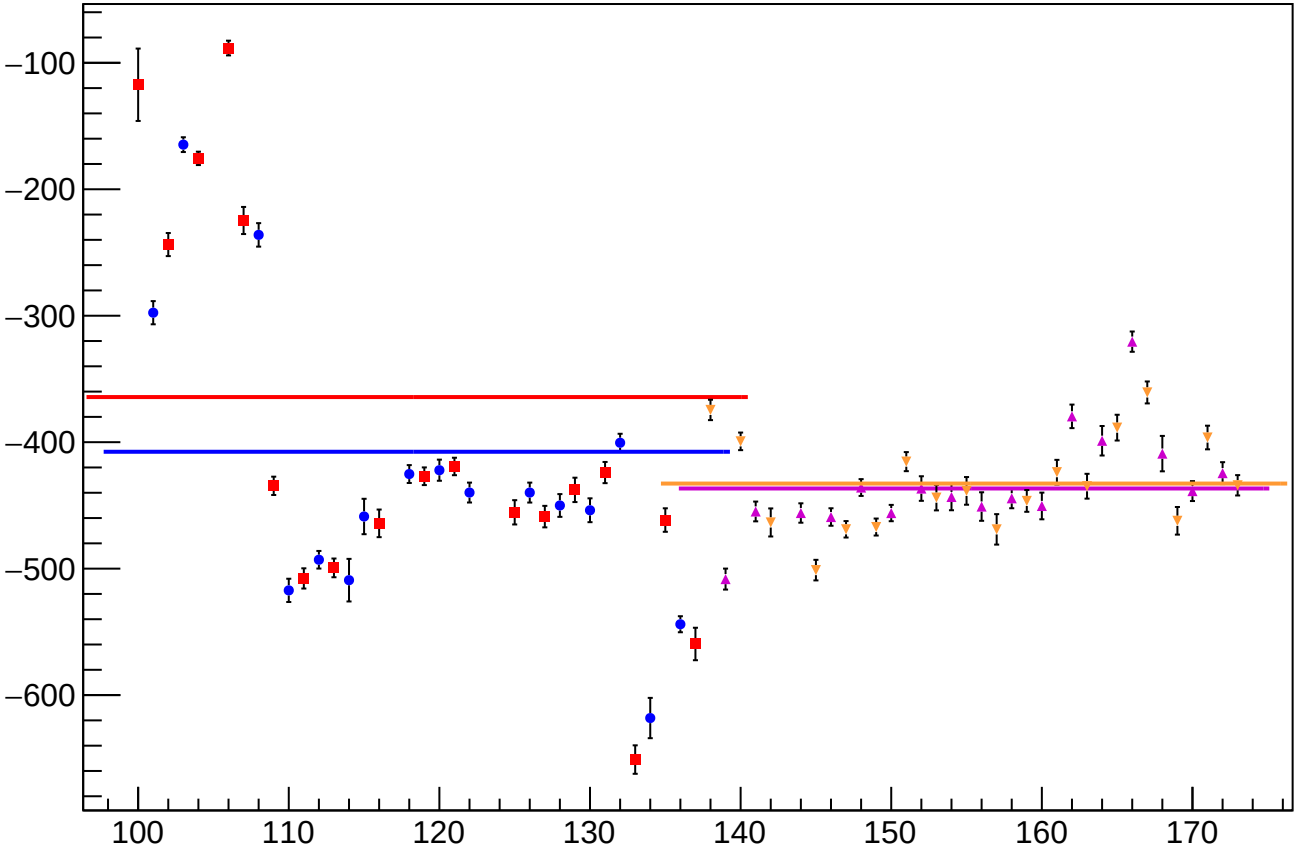
Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -4.778+/-1.144 χ^2/NDF:476.3/32

Out: -7.103+/-1.101 χ^2/NDF:432.9/35

All: -5.985+/-0.793 χ^2/NDF: 911.3/68

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: -432.723+/-2.040 χ^2/NDF:340.3/17

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -436.625+/-2.054 χ^2/NDF:374.5/16

Left: -434.661+/-1.447 χ^2/NDF: 716.6/34

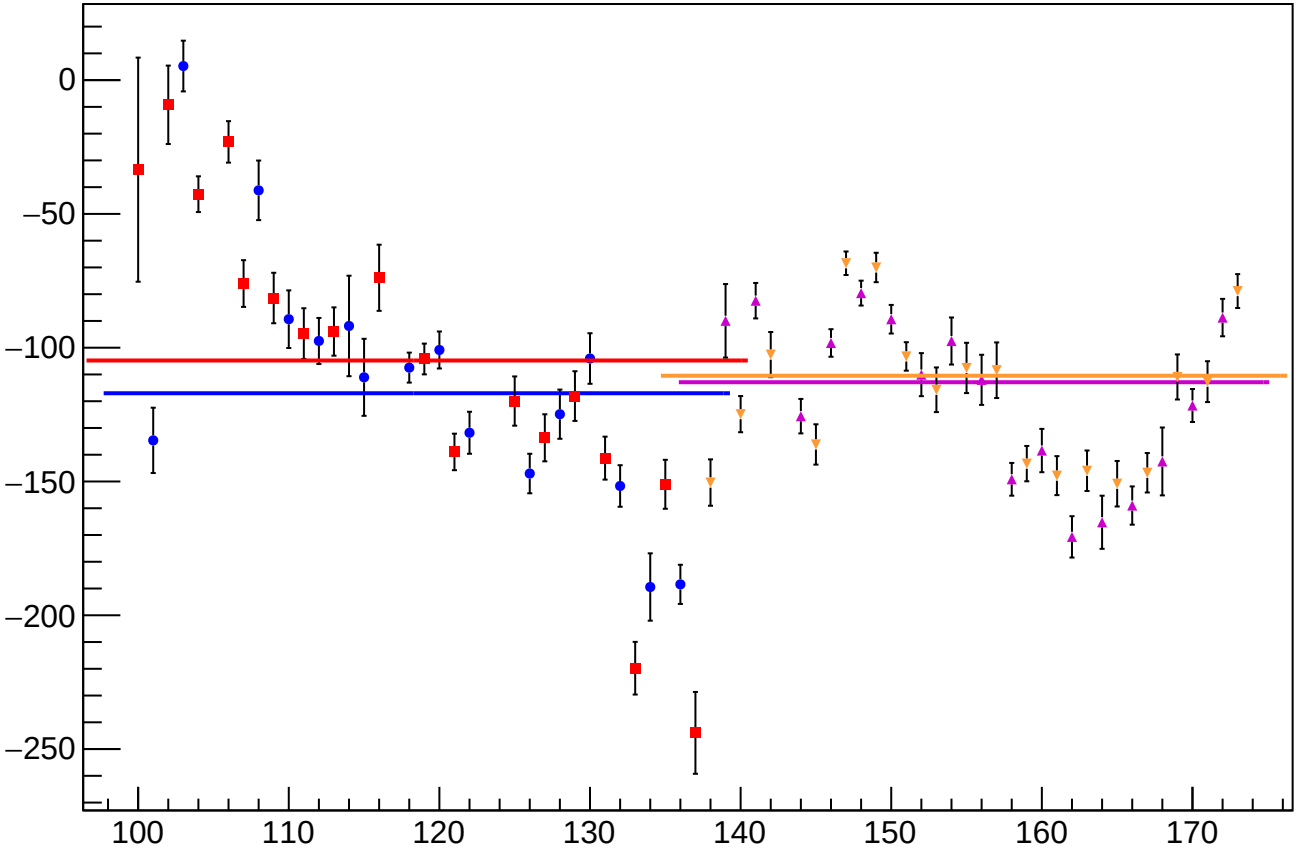
Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -422.242+/-1.459 χ^2/NDF:3754.1/32

Out: -396.846+/-1.407 χ^2/NDF:7150.3/35

All: -409.079+/-1.013 χ^2/NDF: 11061.4/68

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -110.475+/-1.645 χ^2/NDF:331.0/17

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -112.902+/-1.685 χ^2/NDF:299.5/16

Left: -111.659+/-1.177 χ^2/NDF: 631.5/34

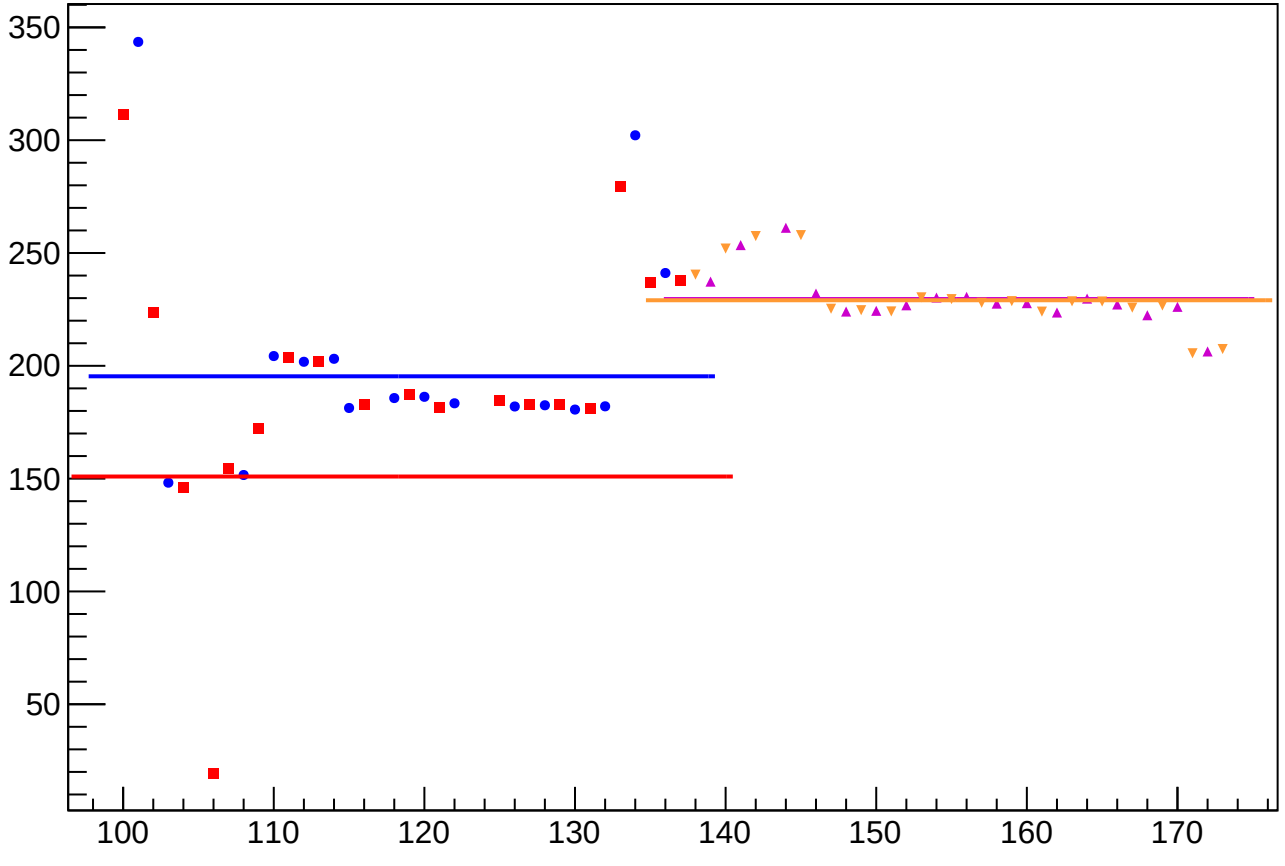
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -114.430+/-1.336 χ^2/NDF:709.5/32

Out: -108.297+/-1.293 χ^2/NDF:910.7/35

All: -111.262+/-0.929 χ^2/NDF: 1631.0/68

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: 229.058+/-0.078 χ^2/NDF:31045.2/17

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 229.601+/-0.078 χ^2/NDF:22626.1/16

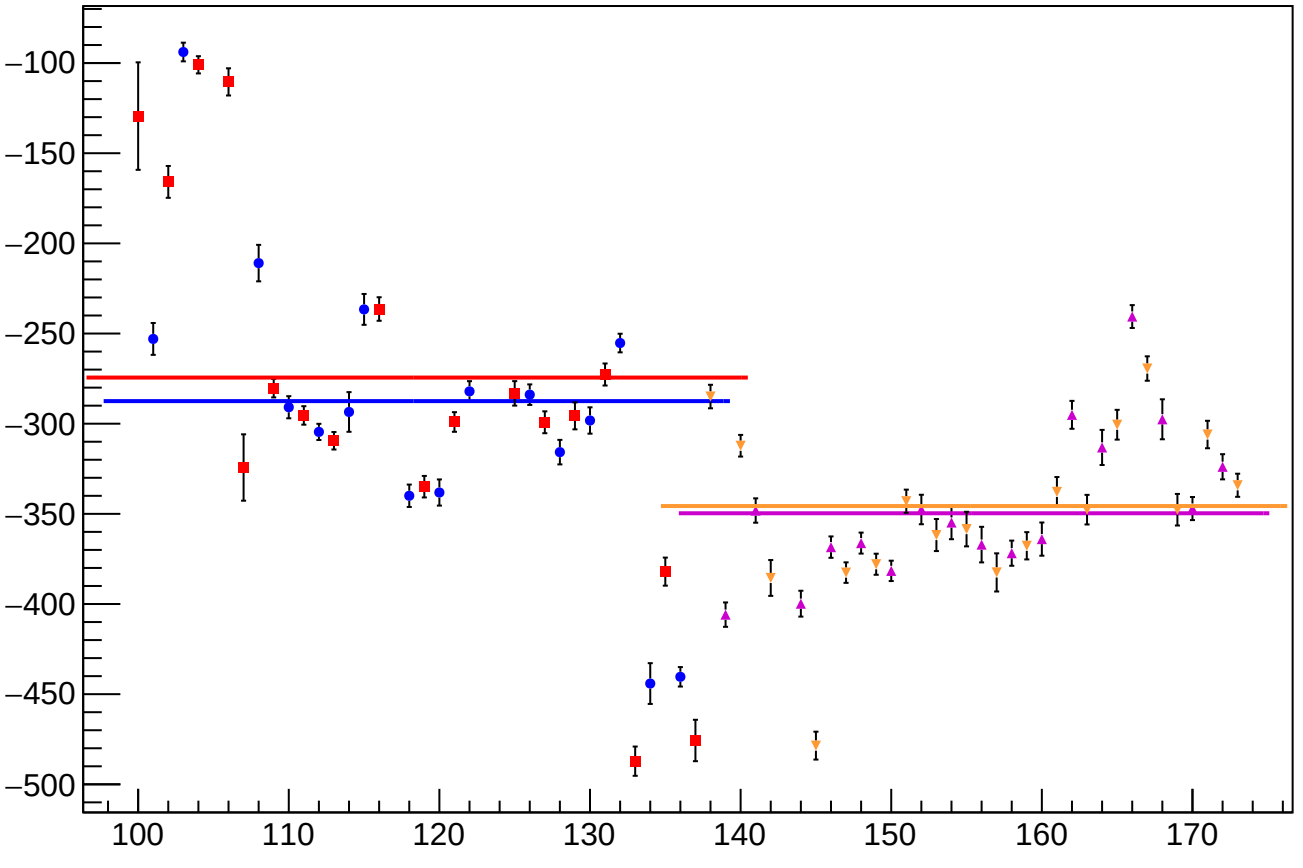
Left: 229.329+/-0.055 χ^2/NDF: 53695.7/34

Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 220.006+/-0.066 χ^2/NDF:253966.7/32

Out: 203.119+/-0.063 χ^2/NDF:866204.0/35

All: 211.239+/-0.046 χ^2/NDF: 1154196.2/68



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -345.669+/-1.733 χ^2/NDF:715.2/17

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -349.673+/-1.749 χ^2/NDF:580.0/16

Left: -347.653+/-1.231 χ^2/NDF: 1297.8/34

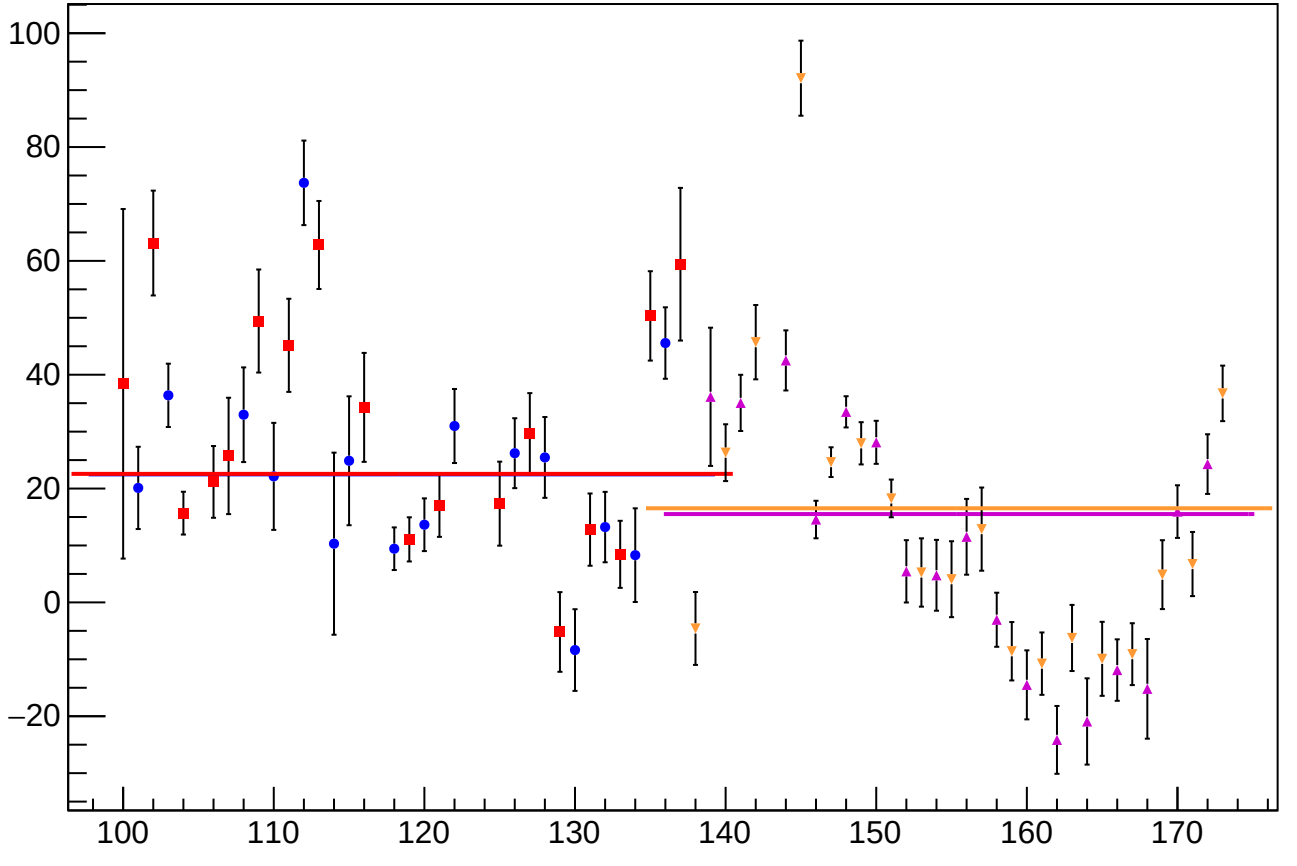
Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -316.033+/-1.185 χ^2/NDF:3960.6/32

Out: -306.118+/-1.156 χ^2/NDF:5067.1/35

All: -310.952+/-0.827 χ^2/NDF: 9063.7/68

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: 16.536+/-1.155 χ^2/NDF:319.5/17

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 15.519+/-1.188 χ^2/NDF:253.6/16

Left: 16.041+/-0.828 χ^2/NDF: 573.5/34

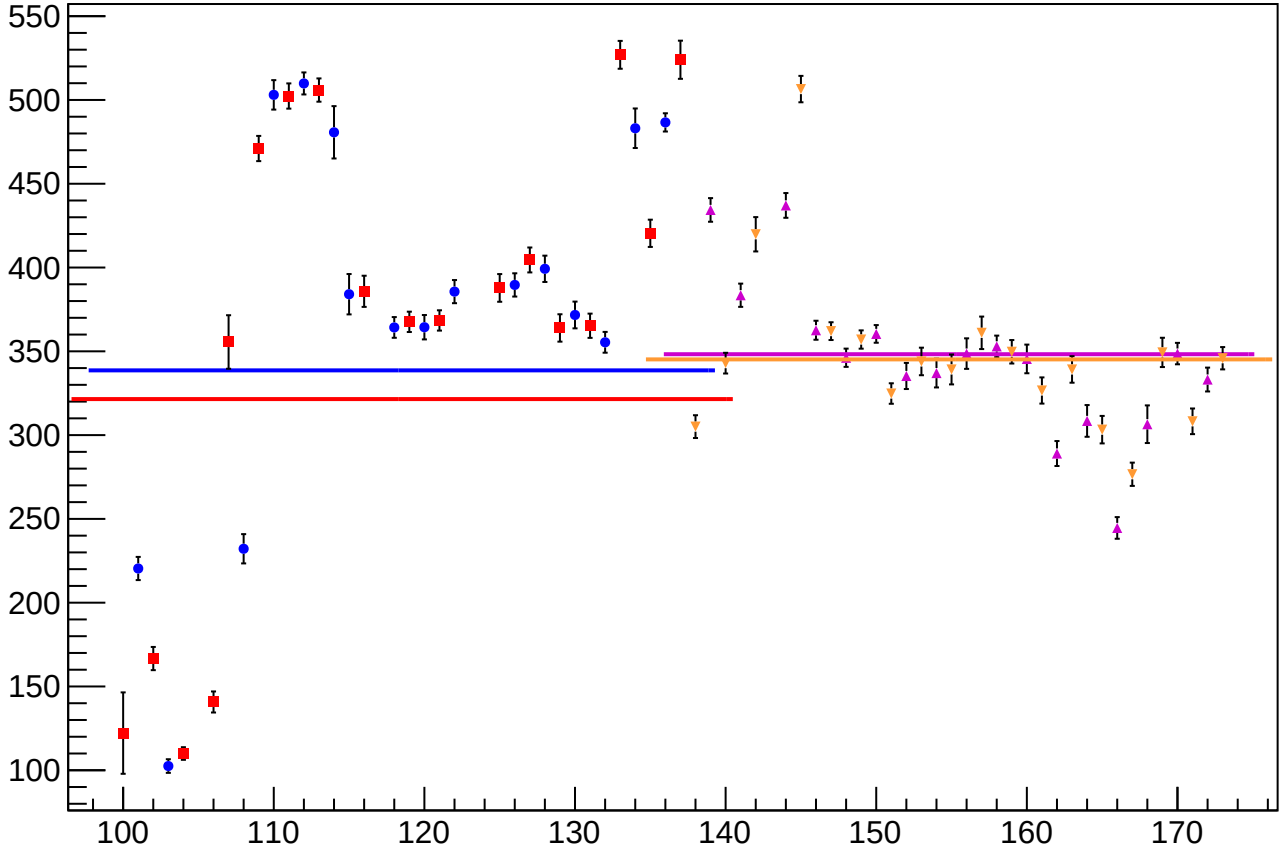
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 17.957+/-0.958 χ^2/NDF:377.1/32

Out: 18.659+/-0.930 χ^2/NDF:452.5/35

All: 18.318+/-0.668 χ^2/NDF: 829.8/68

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: 345.183+/-1.694 χ^2/NDF:690.2/17

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 348.273+/-1.702 χ^2/NDF:692.8/16

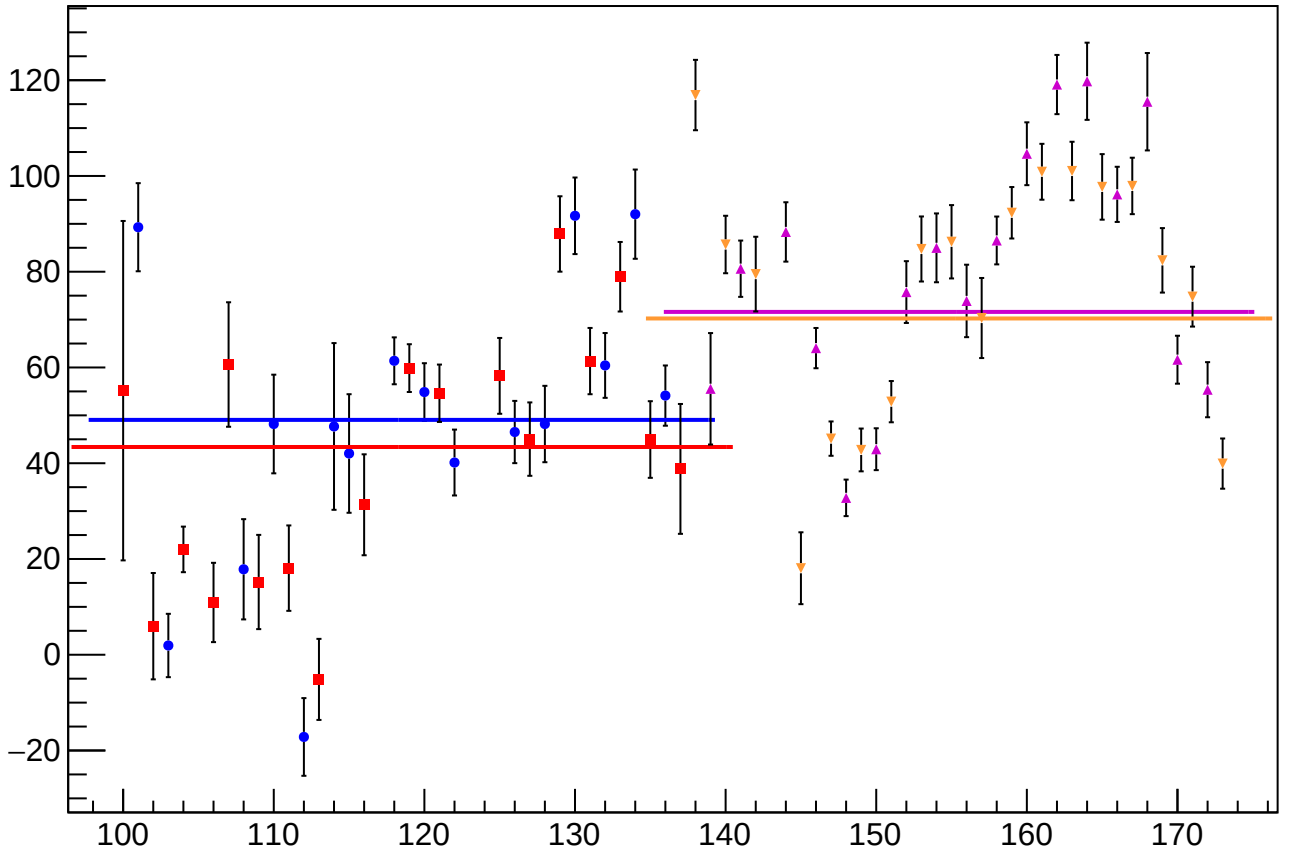
Left: 346.721+/-1.201 χ^2/NDF: 1384.6/34

Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 343.582+/-1.220 χ^2/NDF:6751.1/32

Out: 333.341+/-1.198 χ^2/NDF:8508.7/35

All: 338.370+/-0.855 χ^2/NDF: 15295.6/68



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 70.234+/-1.361 χ^2/NDF:353.9/17

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 71.606+/-1.393 χ^2/NDF:343.1/16

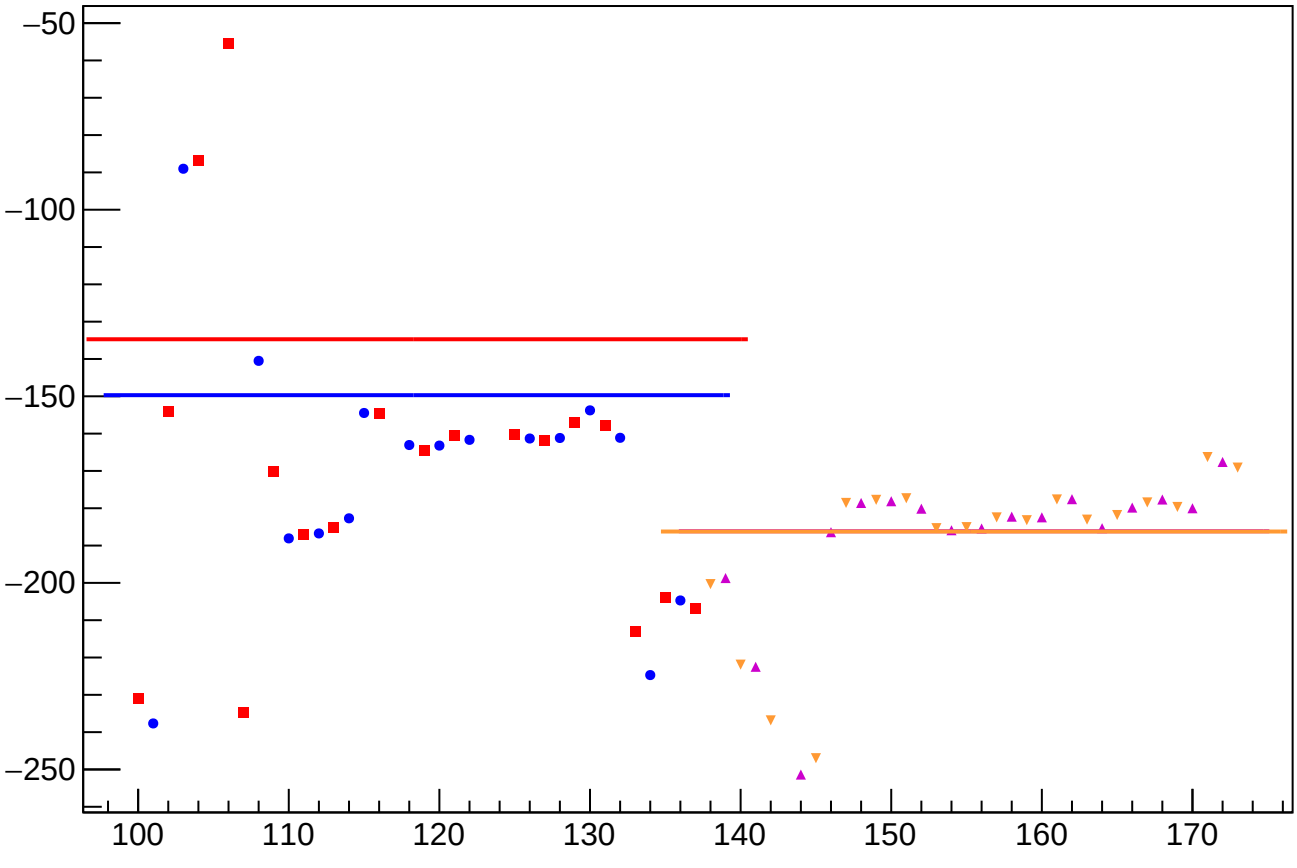
Left: 70.904+/-0.973 χ^2/NDF: 697.5/34

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 63.627+/-1.120 χ^2/NDF:643.8/32

Out: 60.704+/-1.093 χ^2/NDF:672.1/35

All: 62.130+/-0.782 χ^2/NDF: 1319.4/68



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -186.238+/-0.064 χ^2/NDF:89902.0/17

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -186.161+/-0.064 χ^2/NDF:69644.5/16

Left: -186.200+/-0.045 χ^2/NDF: 159547.3/34

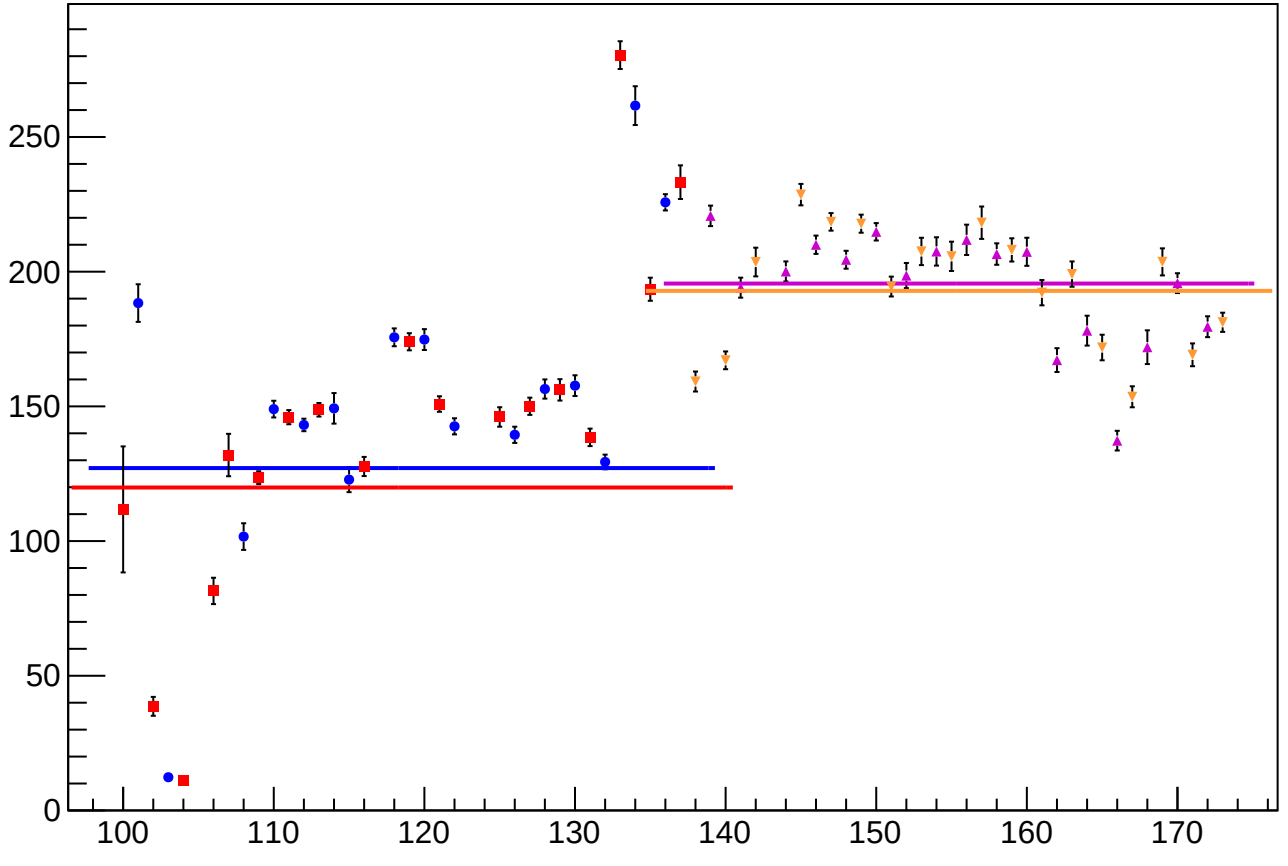
Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -175.646+/-0.054 χ^2/NDF:419198.0/32

Out: -170.527+/-0.054 χ^2/NDF:598664.3/35

All: -173.059+/-0.038 χ^2/NDF: 1022379.8/68

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 192.880+/-0.977 χ^2/NDF:559.1/17

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 195.595+/-0.988 χ^2/NDF:469.5/16

Left: 194.222+/-0.694 χ^2/NDF: 1032.4/34

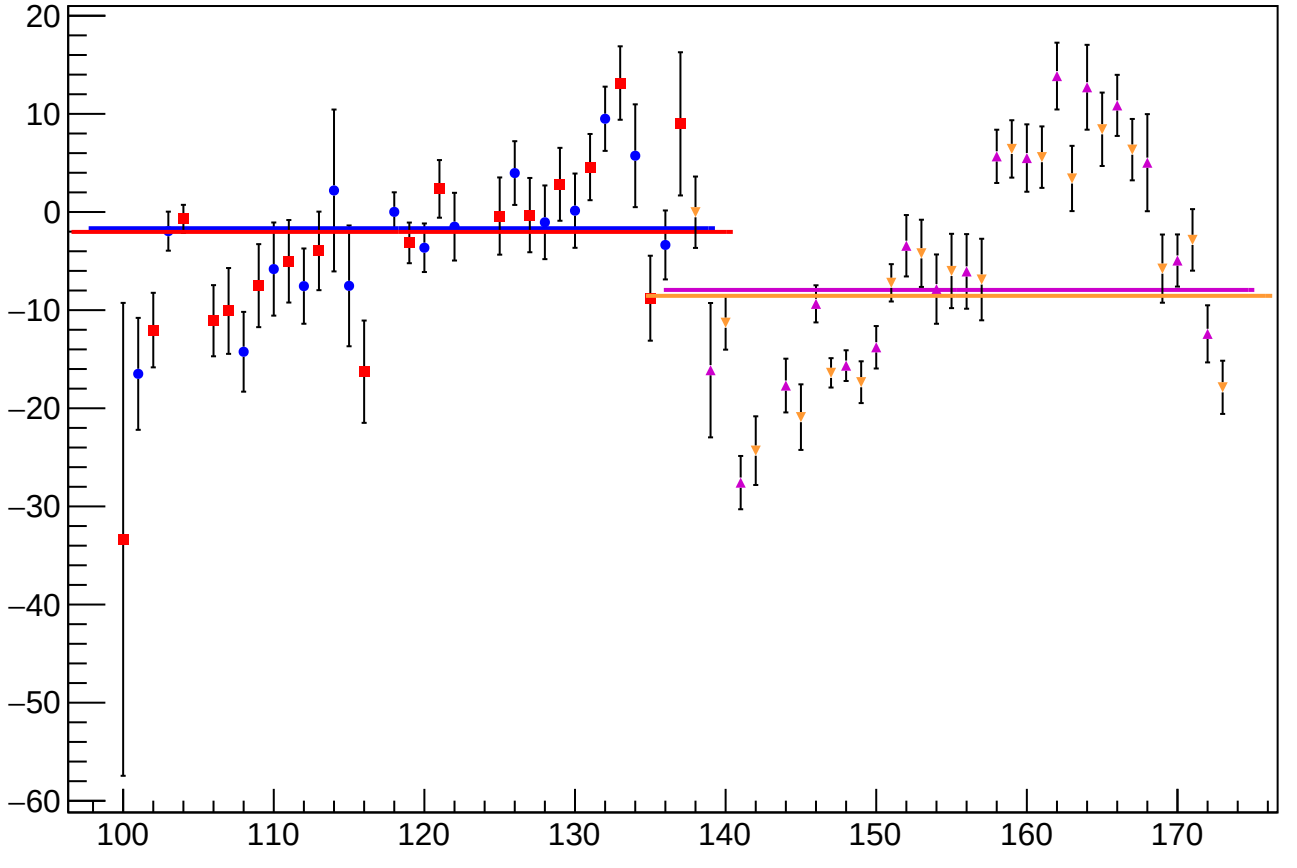
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 154.673+/-0.627 χ^2/NDF:9505.5/32

Out: 148.057+/-0.607 χ^2/NDF:10639.2/35

All: 151.257+/-0.436 χ^2/NDF: 20202.2/68

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: -8.542+/-0.654 χ^2/NDF:206.3/17

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -7.939+/-0.673 χ^2/NDF:252.2/16

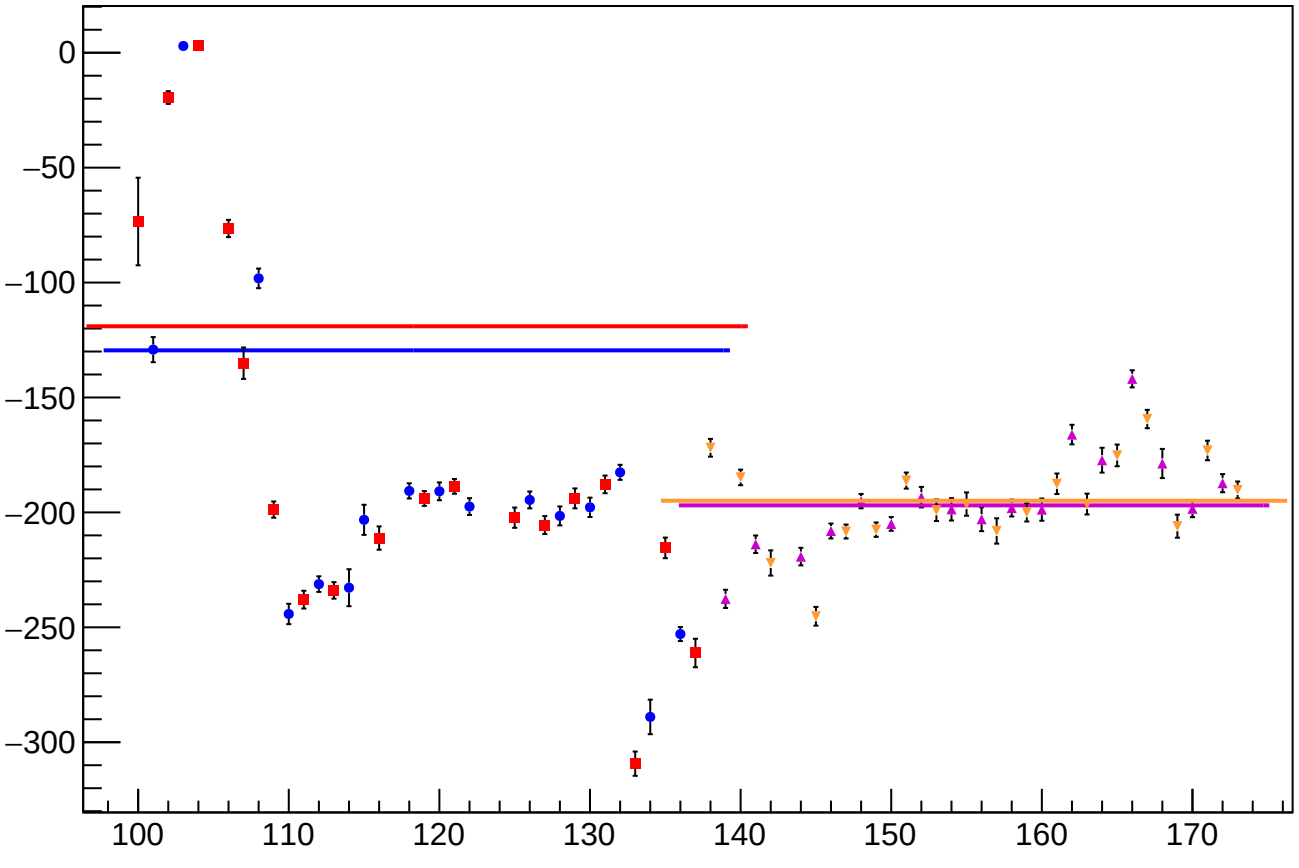
Left: -8.249+/-0.469 χ^2/NDF: 458.9/34

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -5.455+/-0.523 χ^2/NDF:325.7/32

Out: -5.814+/-0.498 χ^2/NDF:306.5/35

All: -5.643+/-0.361 χ^2/NDF: 632.4/68



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -194.925+/-0.956 χ^2/NDF:403.4/17

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -196.939+/-0.962 χ^2/NDF:479.2/16

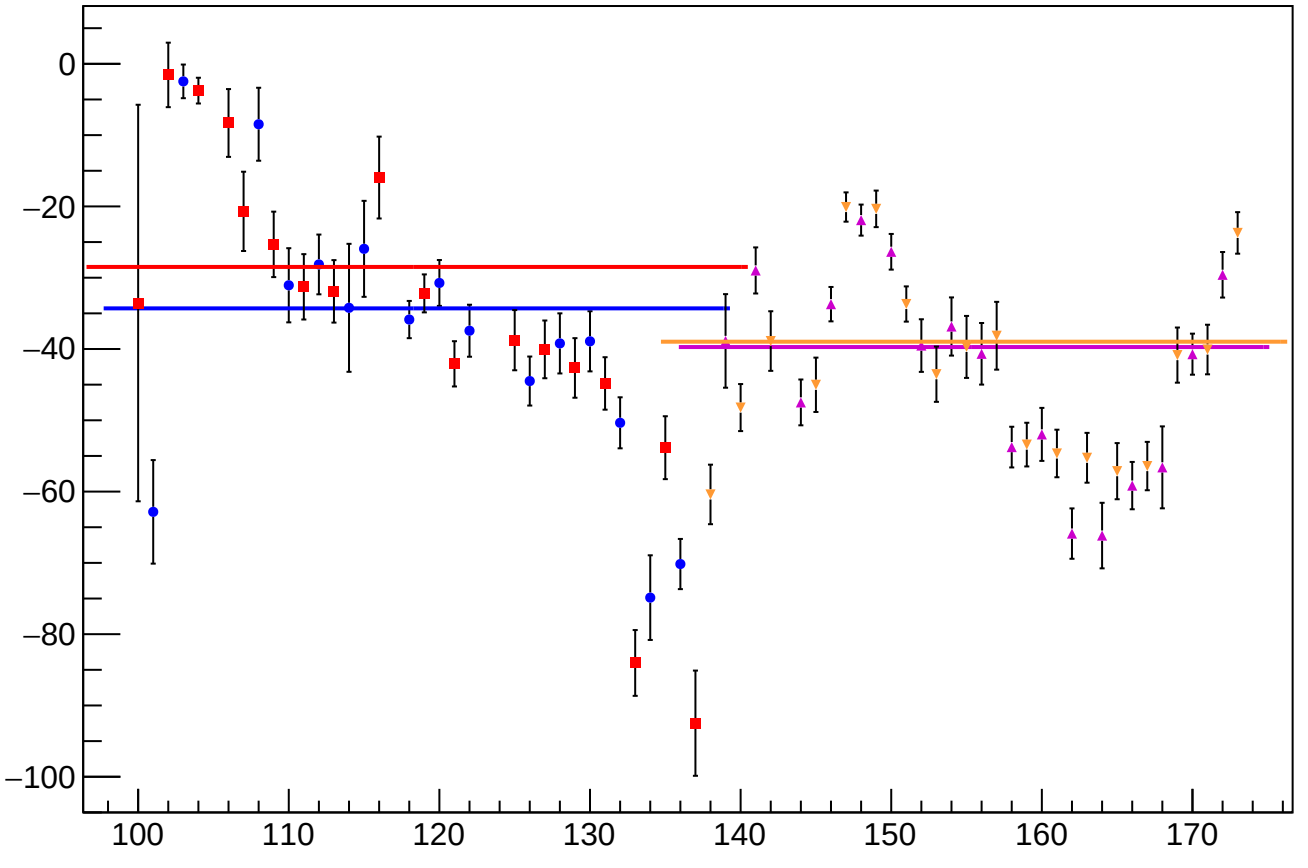
Left: -195.926+/-0.678 χ^2/NDF: 884.8/34

Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -158.907+/-0.636 χ^2/NDF:17935.8/32

Out: -150.856+/-0.619 χ^2/NDF:20238.2/35

All: -154.777+/-0.444 χ^2/NDF: 38256.3/68



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -38.975+/-0.769 χ^2/NDF:321.6/17

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -39.726+/-0.789 χ^2/NDF:295.1/16

Left: -39.341+/-0.551 χ^2/NDF: 617.1/34

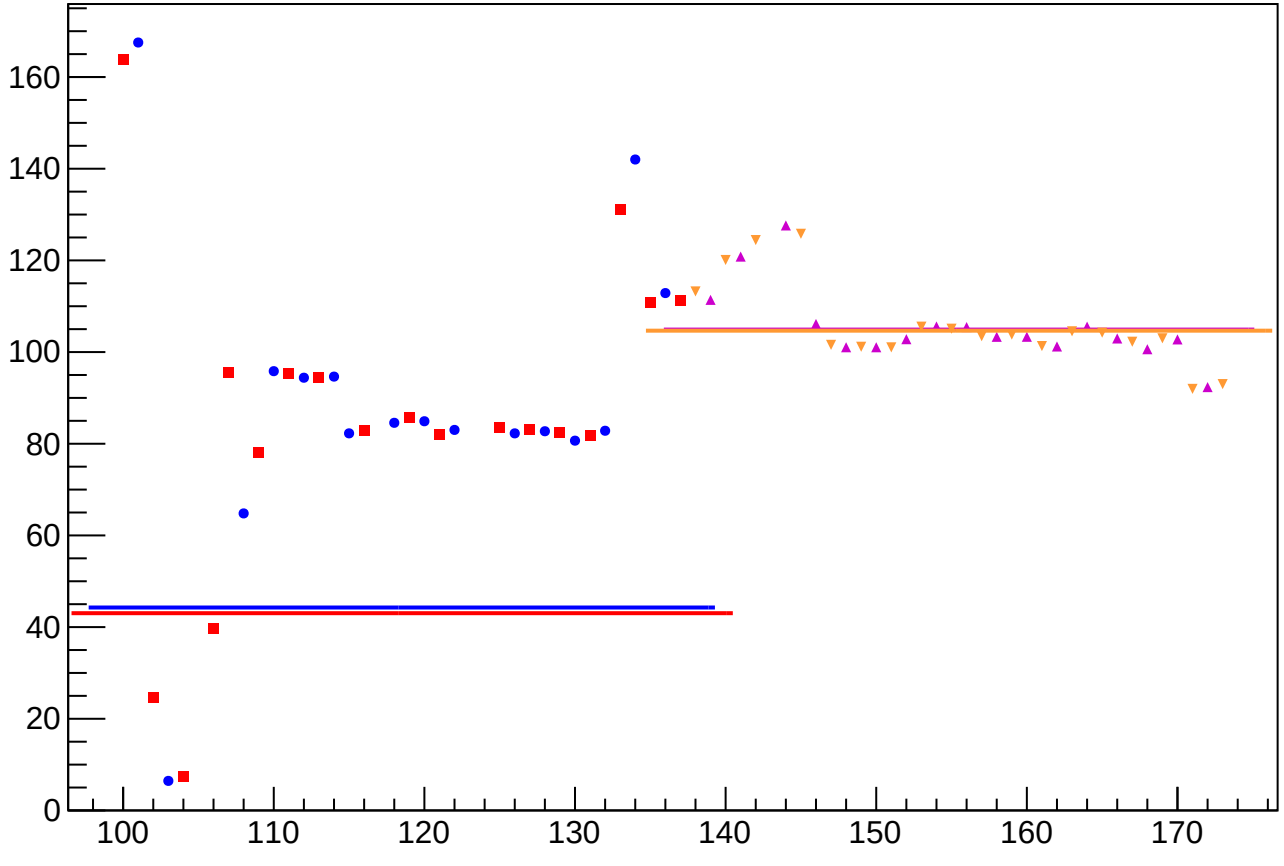
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -37.560+/-0.611 χ^2/NDF:725.3/32

Out: -34.585+/-0.587 χ^2/NDF:967.4/35

All: -36.012+/-0.423 χ^2/NDF: 1705.0/68

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: 104.668+/-0.036 χ^2/NDF:56946.8/17

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 104.906+/-0.036 χ^2/NDF:42483.3/16

Left: 104.787+/-0.026 χ^2/NDF: 99451.6/34

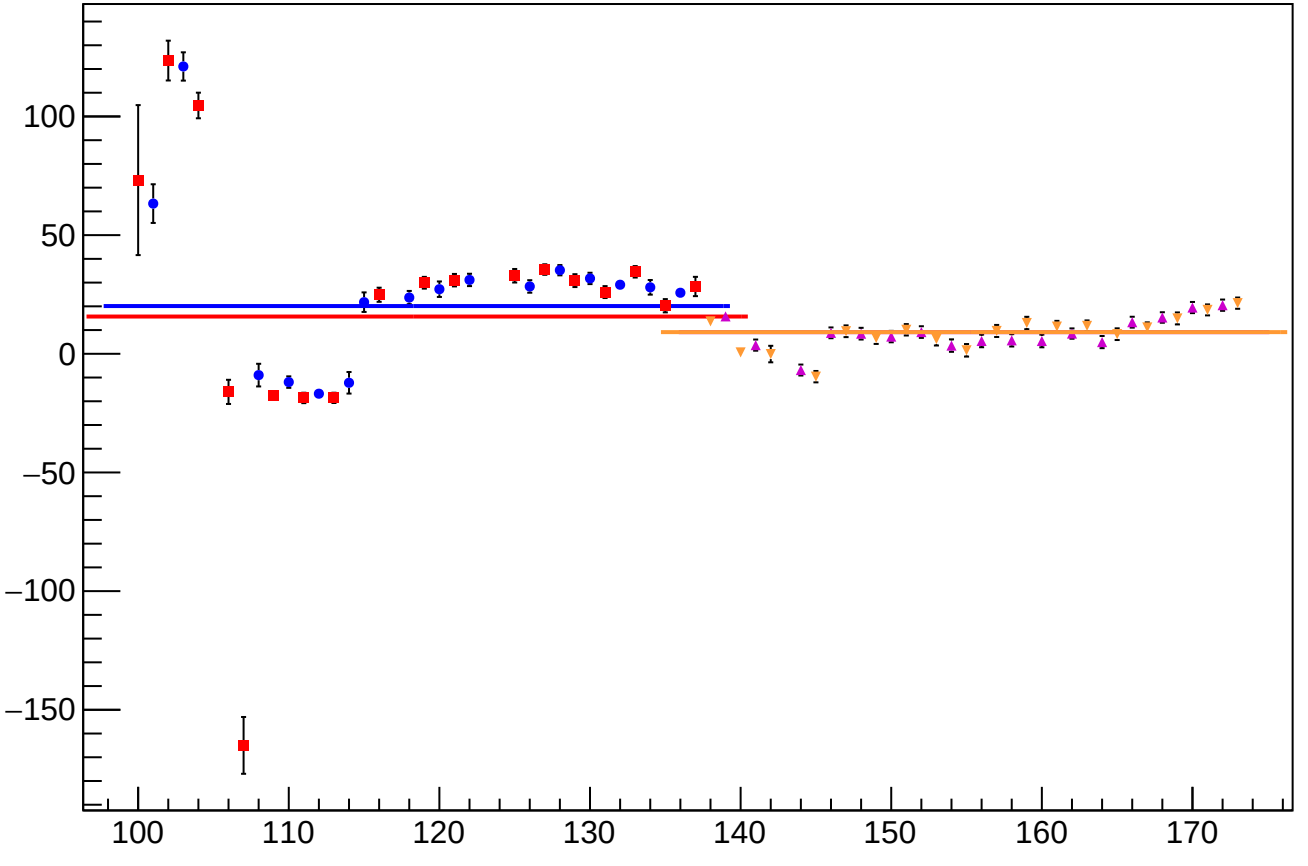
Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 80.934+/-0.028 χ^2/NDF:2228100.4/32

Out: 80.408+/-0.028 χ^2/NDF:1997740.0/35

All: 80.671+/-0.020 χ^2/NDF: 4226014.0/68

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 9.132+/-0.572 χ^2/NDF:154.2/17

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 9.121+/-0.577 χ^2/NDF:131.4/16

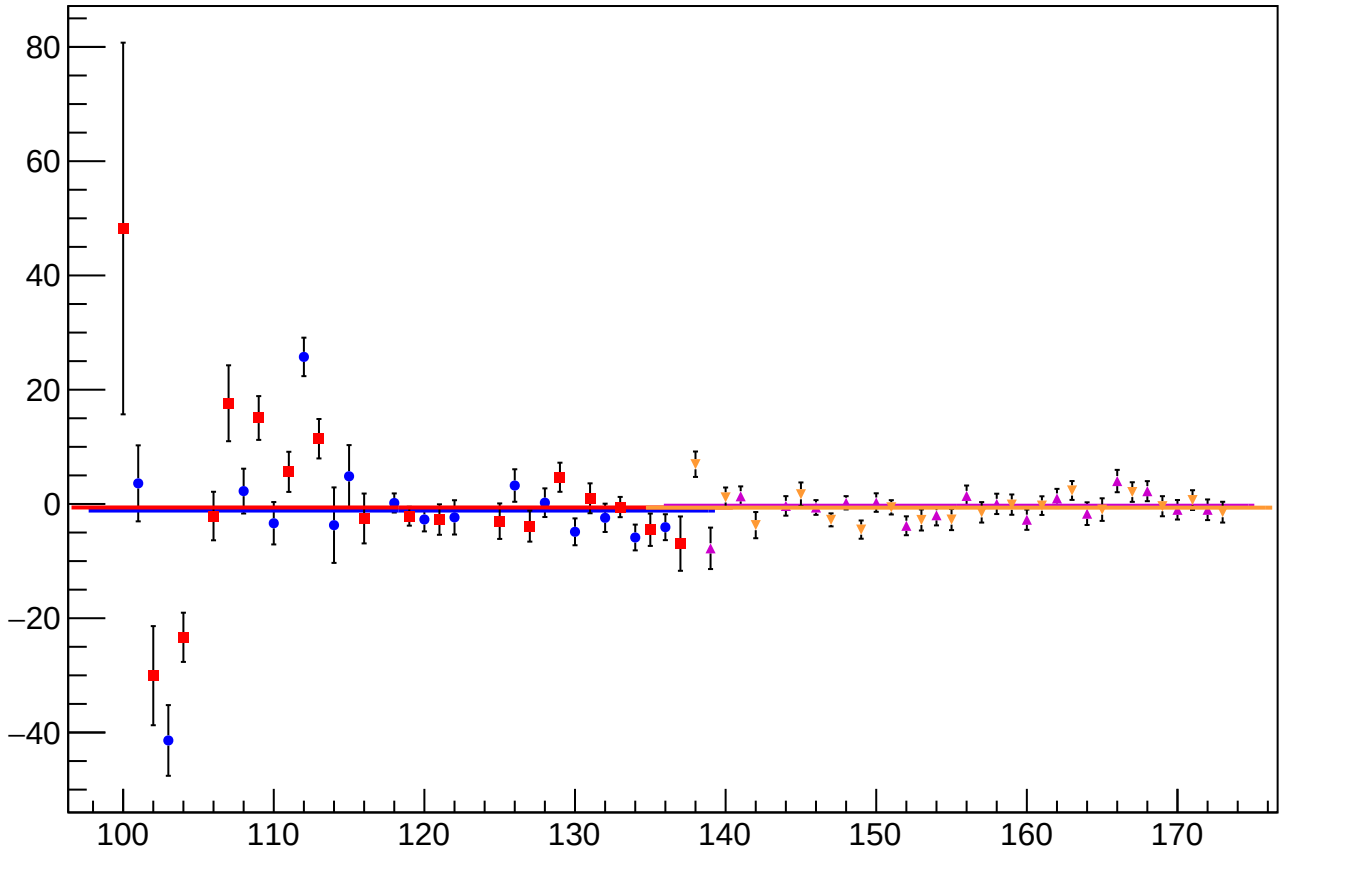
Left: 9.127+/-0.406 χ^2/NDF: 285.6/34

Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 13.669+/-0.442 χ^2/NDF:1329.8/32

Out: 11.843+/-0.438 χ^2/NDF:1982.5/35

All: 12.748+/-0.311 χ^2/NDF: 3320.8/68



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -0.645+/-0.399 χ^2/NDF:34.8/17

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.307+/-0.411 χ^2/NDF:22.1/16

Left: -0.481+/-0.286 χ^2/NDF: 57.2/34

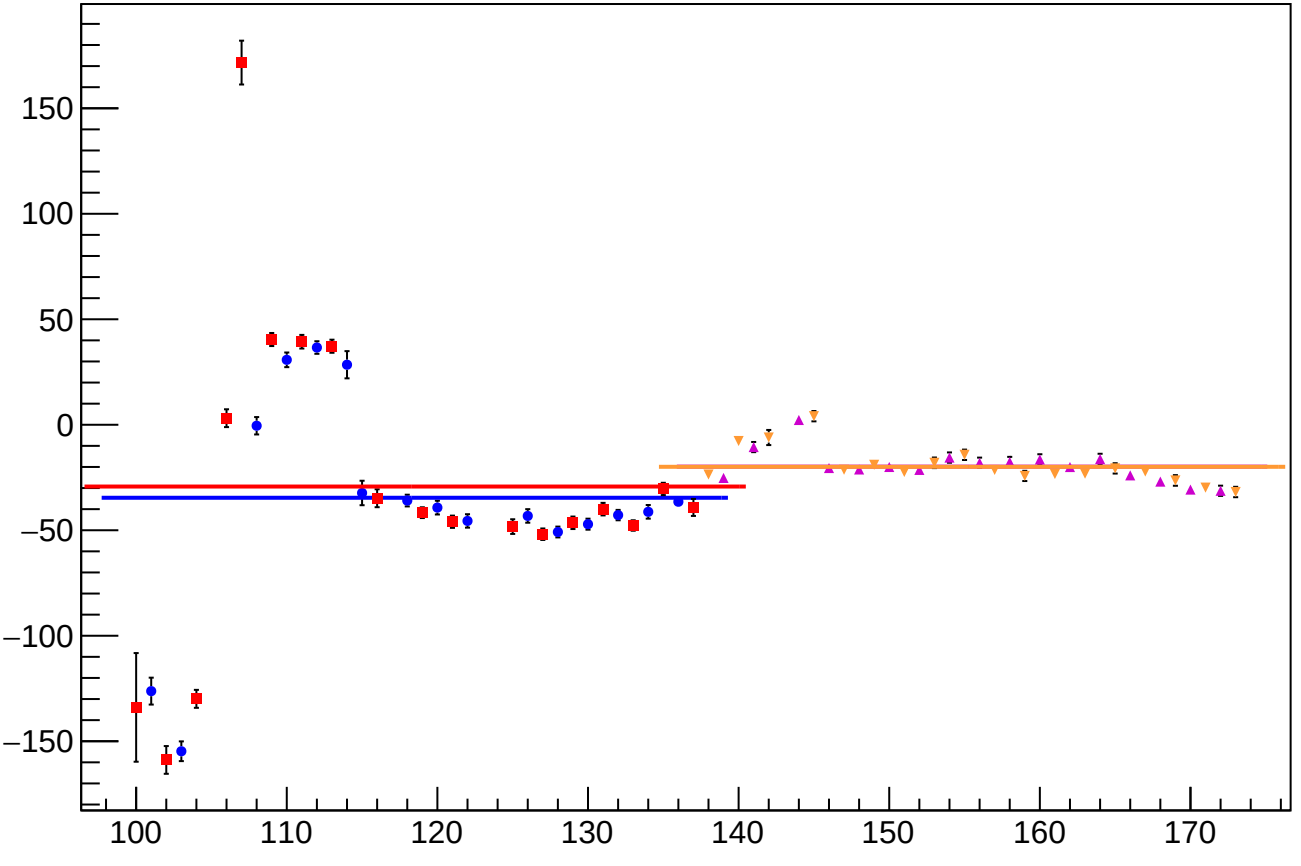
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.523+/-0.354 χ^2/NDF:145.0/32

Out: -0.637+/-0.348 χ^2/NDF:128.2/35

All: -0.581+/-0.248 χ^2/NDF: 273.3/68

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: -19.923+/-0.560 χ^2/NDF:211.9/17

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -19.846+/-0.564 χ^2/NDF:174.2/16

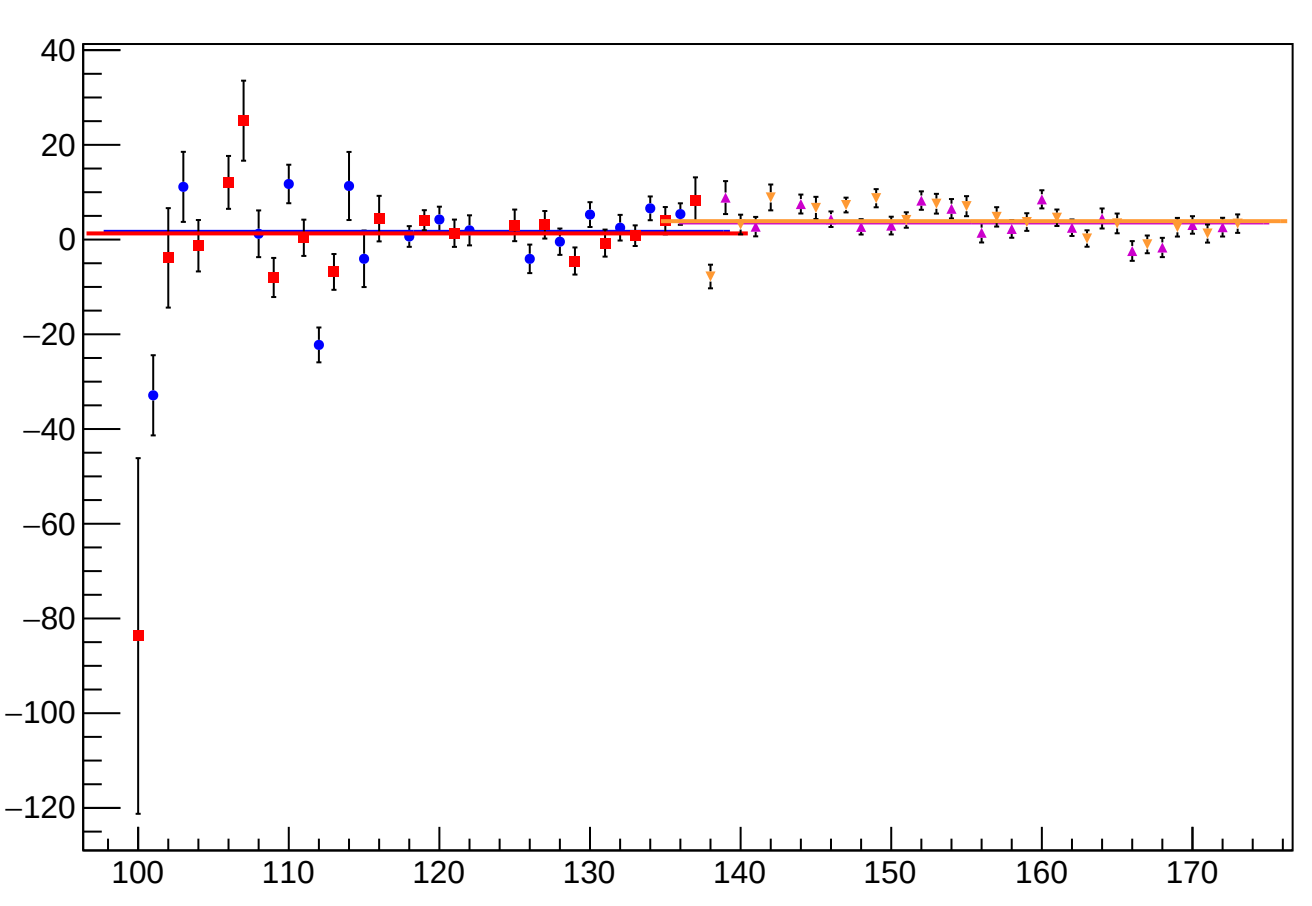
Left: -19.885+/-0.397 χ^2/NDF: 386.1/34

Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -24.854+/-0.458 χ^2/NDF:2465.2/32

Out: -23.001+/-0.459 χ^2/NDF:3384.7/35

All: -23.929+/-0.324 χ^2/NDF: 5858.1/68



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 3.885+/-0.460 χ^2/NDF:57.5/17

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 3.615+/-0.473 χ^2/NDF:38.7/16

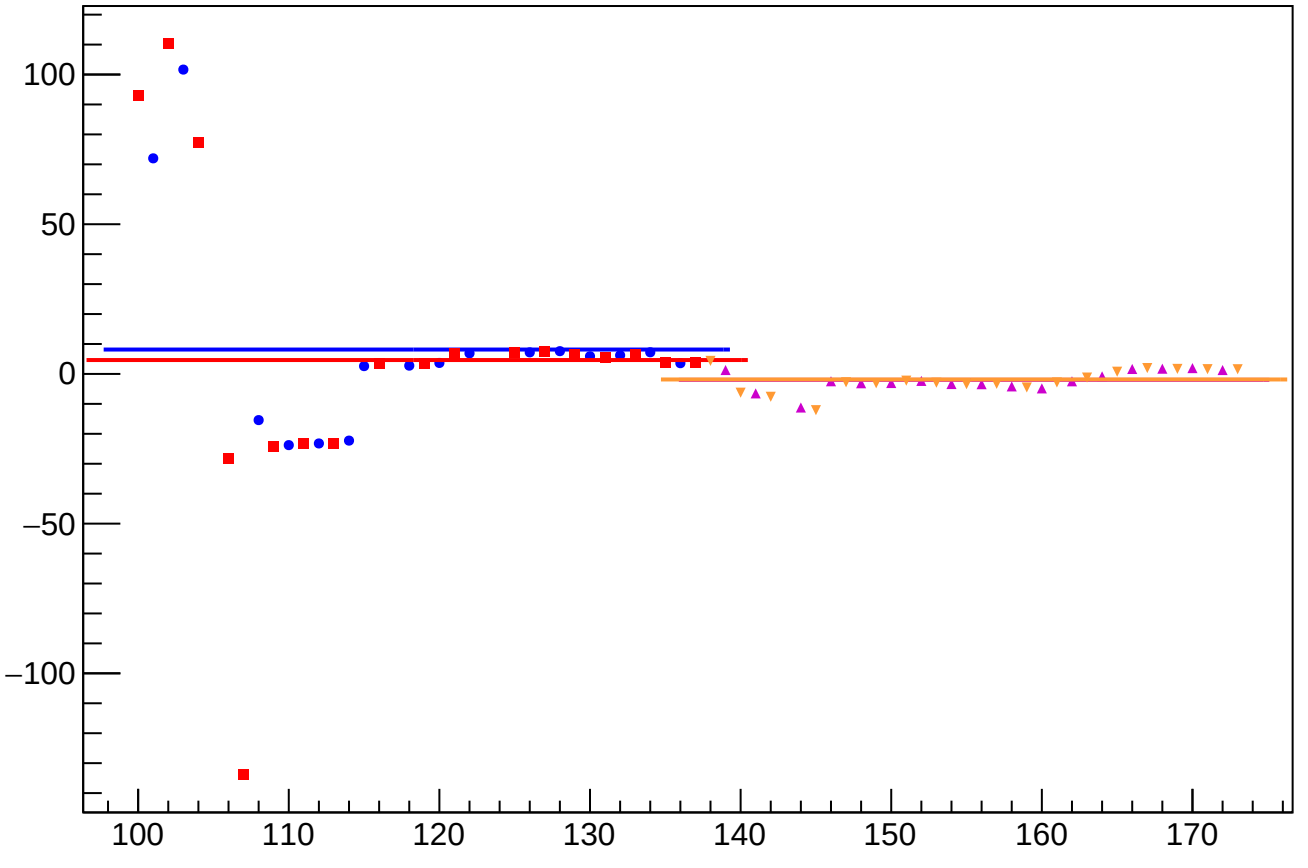
Left: 3.753+/-0.330 χ^2/NDF: 96.3/34

Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 3.098+/-0.406 χ^2/NDF:126.5/32

Out: 3.262+/-0.401 χ^2/NDF:102.6/35

All: 3.181+/-0.285 χ^2/NDF: 229.3/68



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -1.851+/-0.021 χ^2/NDF:30925.2/17

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -1.984+/-0.021 χ^2/NDF:22288.1/16

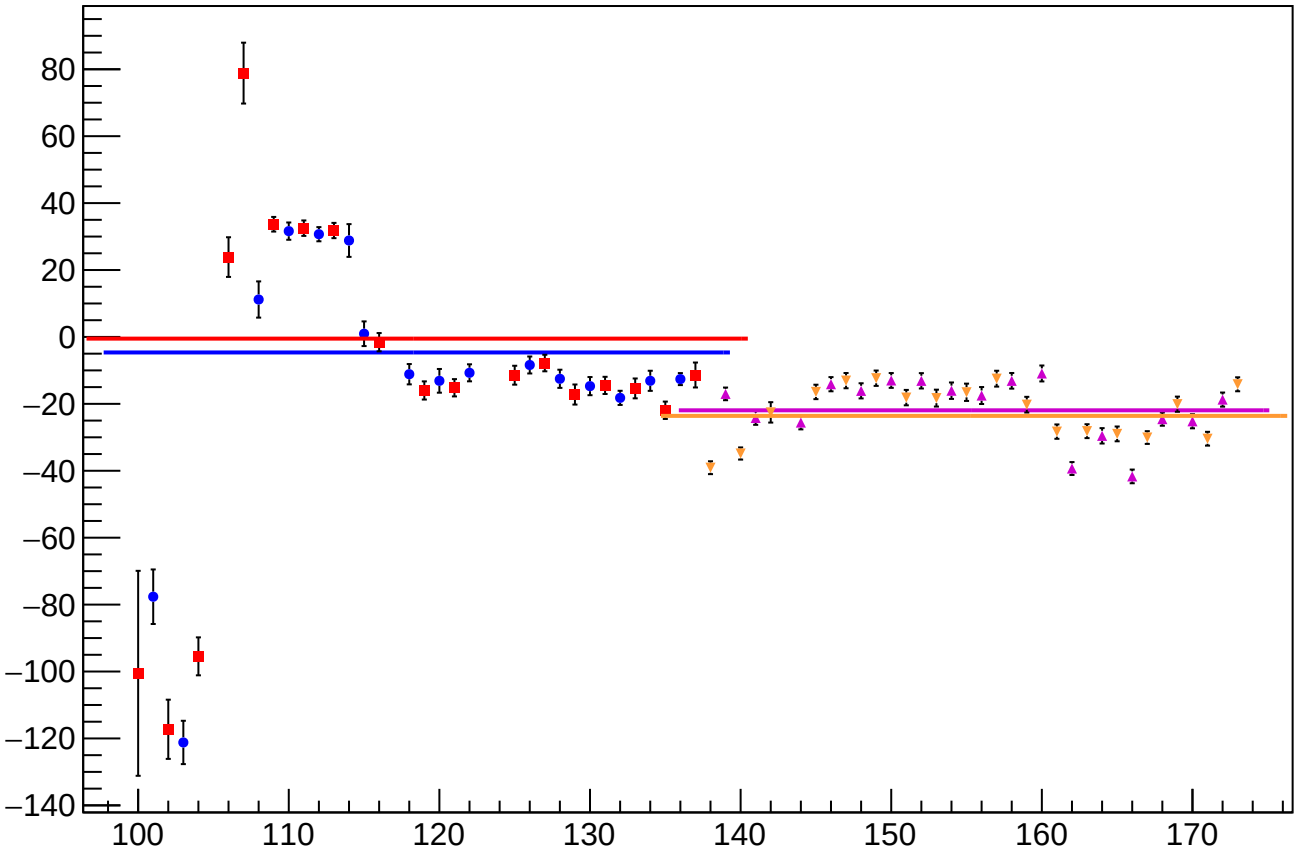
Left: -1.917+/-0.015 χ^2/NDF: 53233.9/34

Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: -0.400+/-0.019 χ^2/NDF:372636.4/32

Out: -0.954+/-0.019 χ^2/NDF:491315.3/35

All: -0.676+/-0.014 χ^2/NDF: 864370.5/68



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -23.595+/-0.518 χ^2/NDF:262.1/17

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -21.929+/-0.524 χ^2/NDF:298.5/16

Left: -22.770+/-0.368 χ^2/NDF: 565.8/34

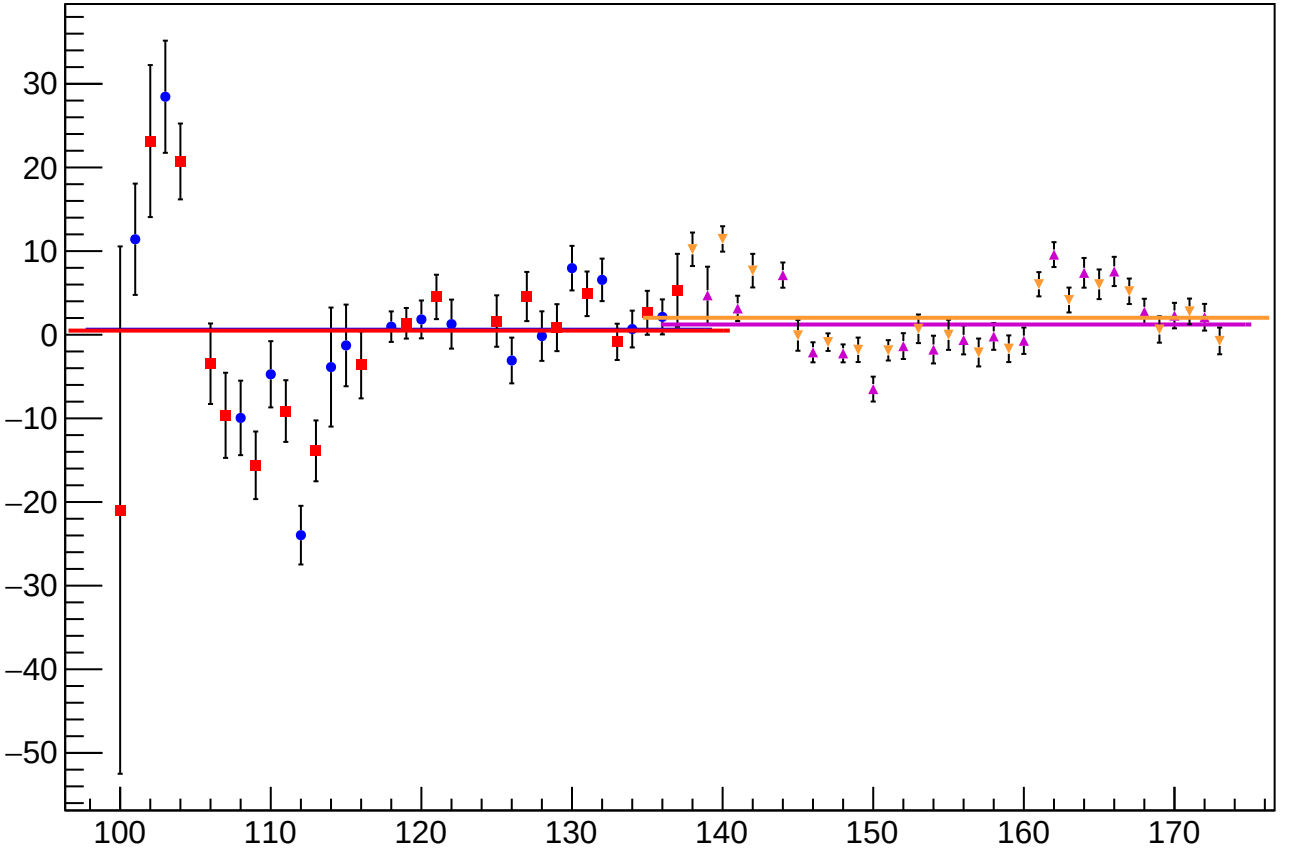
Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -15.857+/-0.422 χ^2/NDF:1727.8/32

Out: -15.577+/-0.419 χ^2/NDF:2408.6/35

All: -15.716+/-0.297 χ^2/NDF: 4136.7/68

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: 2.029+/-0.363 χ^2/NDF:125.8/17

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 1.225+/-0.372 χ^2/NDF:131.0/16

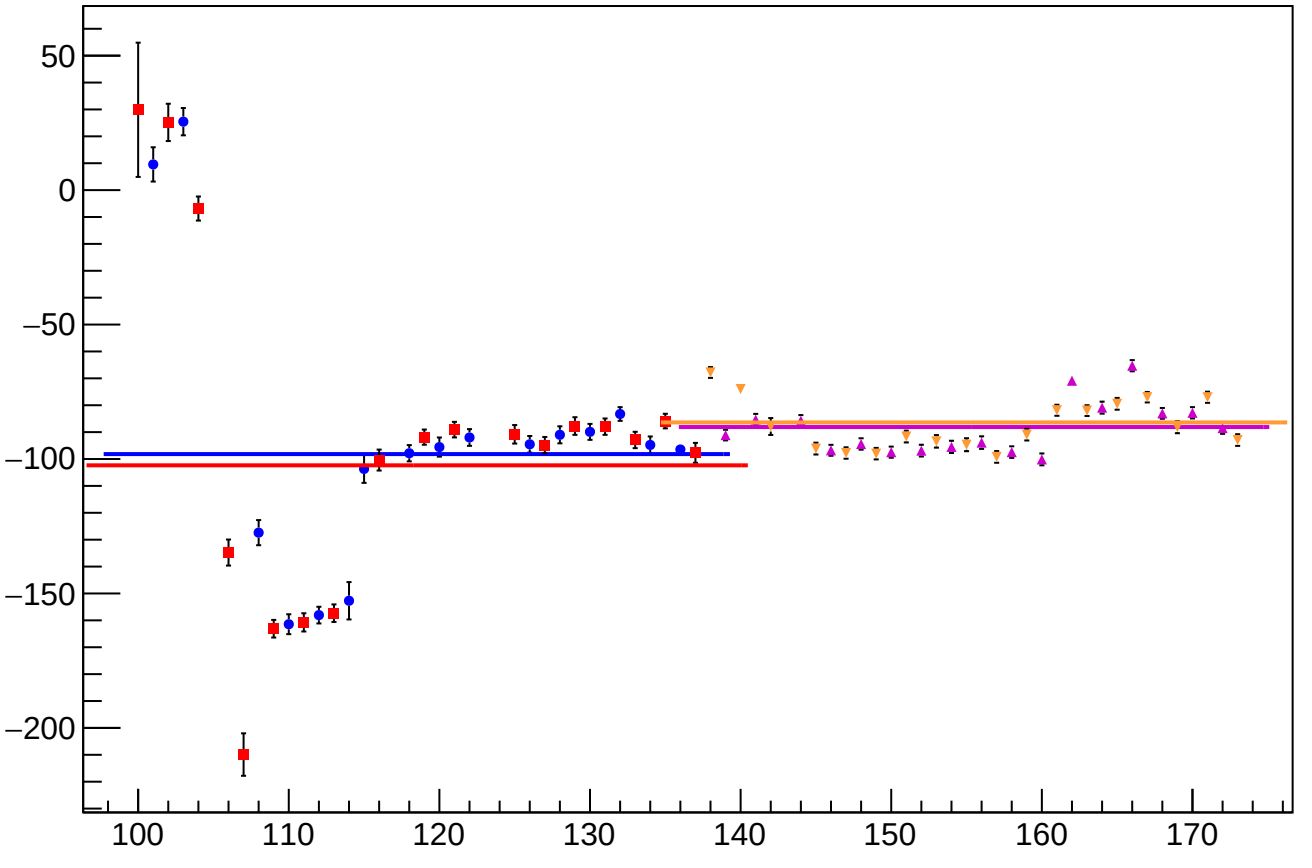
Left: 1.637+/-0.260 χ^2/NDF: 259.2/34

Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: 1.095+/-0.331 χ^2/NDF:224.5/32

Out: 1.741+/-0.327 χ^2/NDF:209.3/35

All: 1.422+/-0.233 χ^2/NDF: 435.7/68



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -86.392+/-0.509 χ^2/NDF:346.0/17

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -88.107+/-0.512 χ^2/NDF:362.5/16

Left: -87.245+/-0.361 χ^2/NDF: 714.1/34

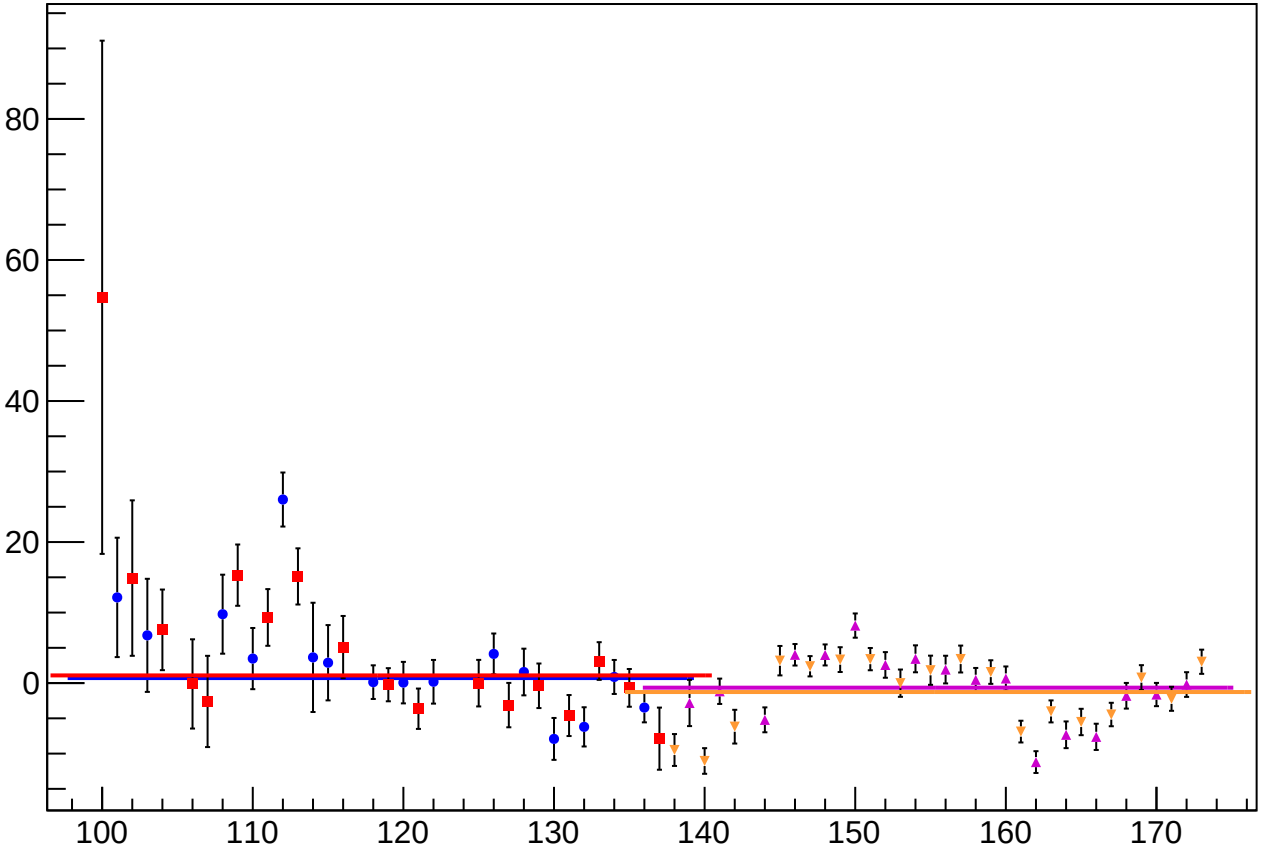
Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -90.963+/-0.433 χ^2/NDF:2172.1/32

Out: -90.697+/-0.435 χ^2/NDF:2729.0/35

All: -90.831+/-0.307 χ^2/NDF: 4901.3/68

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -1.269+/-0.418 χ^2/NDF:117.6/17

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -0.651+/-0.428 χ^2/NDF:136.9/16

Left: -0.967+/-0.299 χ^2/NDF: 255.6/34

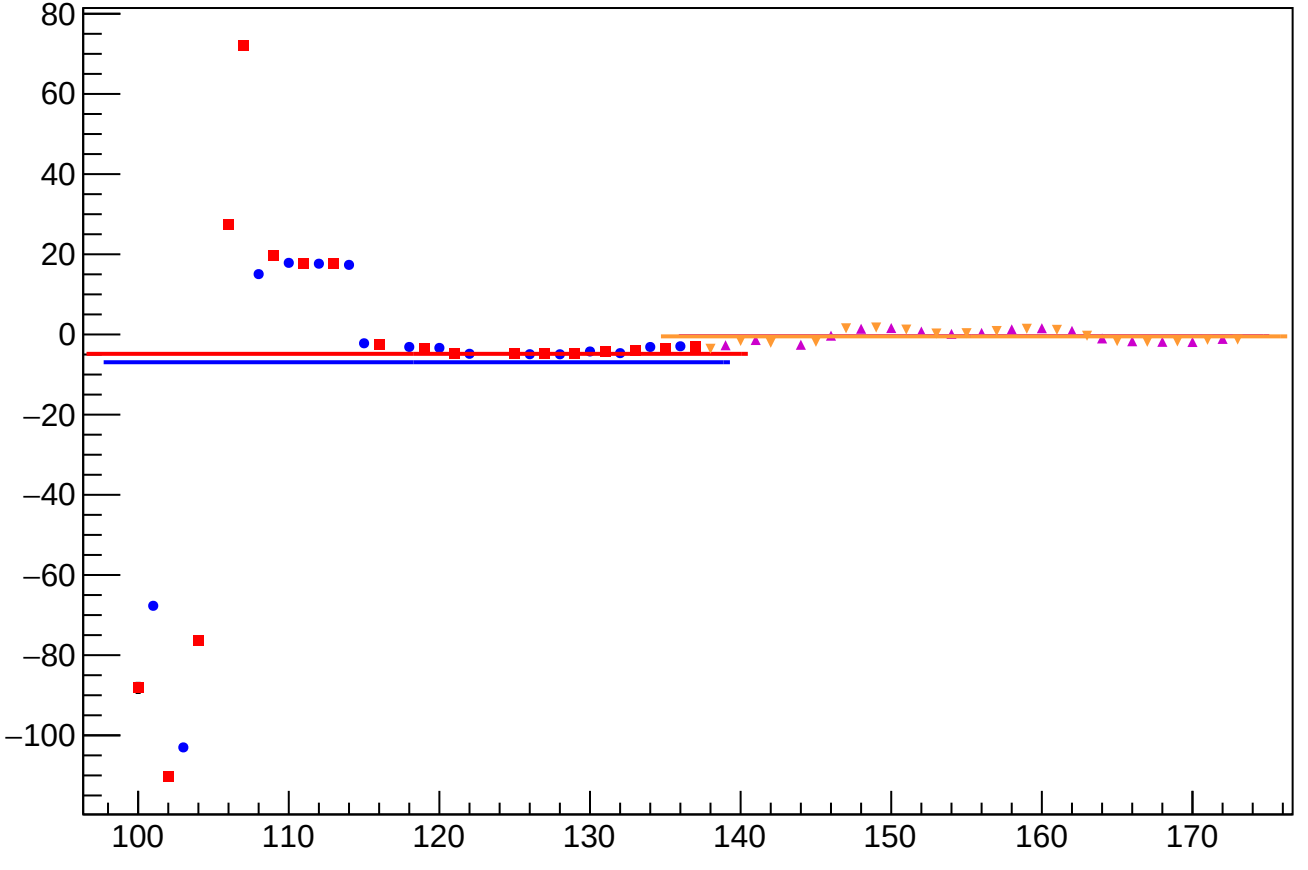
Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

In: -0.360+/-0.380 χ^2/NDF:208.7/32

Out: -0.816+/-0.376 χ^2/NDF:171.4/35

All: -0.590+/-0.267 χ^2/NDF: 380.8/68

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.927+/-0.049 χ^2/NDF: 265187.0/15

Left Out: -0.474+/-0.019 χ^2/NDF:6332.0/17

Right Out: -4.833+/-0.053 χ^2/NDF: 339363.3/17

Left In: -0.382+/-0.019 χ^2/NDF:5816.5/16

Left: -0.428+/-0.013 χ^2/NDF: 12160.2/34

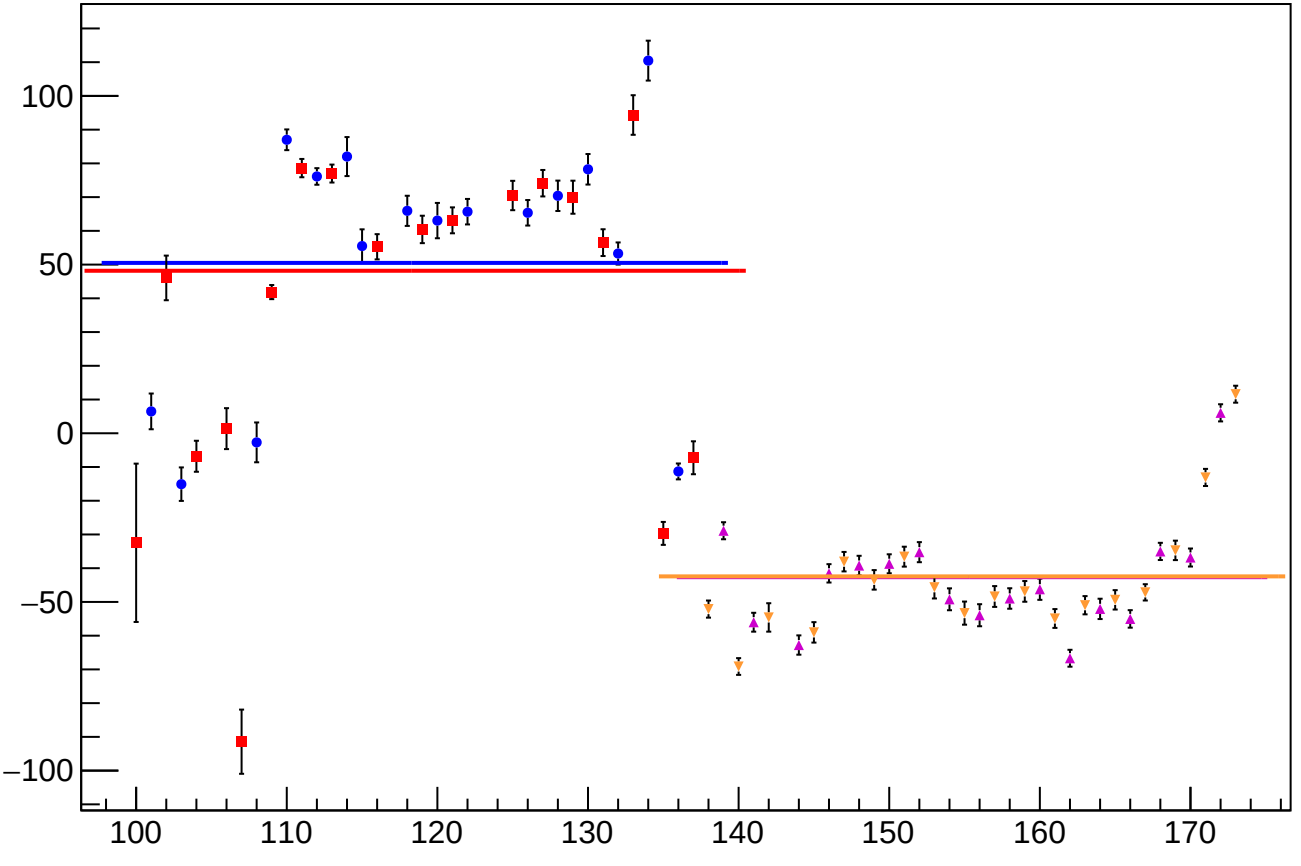
Right: -5.968+/-0.036 χ^2/NDF: 605403.2/33

In: -1.247+/-0.018 χ^2/NDF:286787.5/32

Out: -0.966+/-0.018 χ^2/NDF:351741.0/35

All: -1.107+/-0.013 χ^2/NDF: 638655.3/68

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: -42.423+/-0.672 χ^2/NDF:833.7/17

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -42.664+/-0.680 χ^2/NDF:638.4/16

Left: -42.542+/-0.478 χ^2/NDF: 1472.2/34

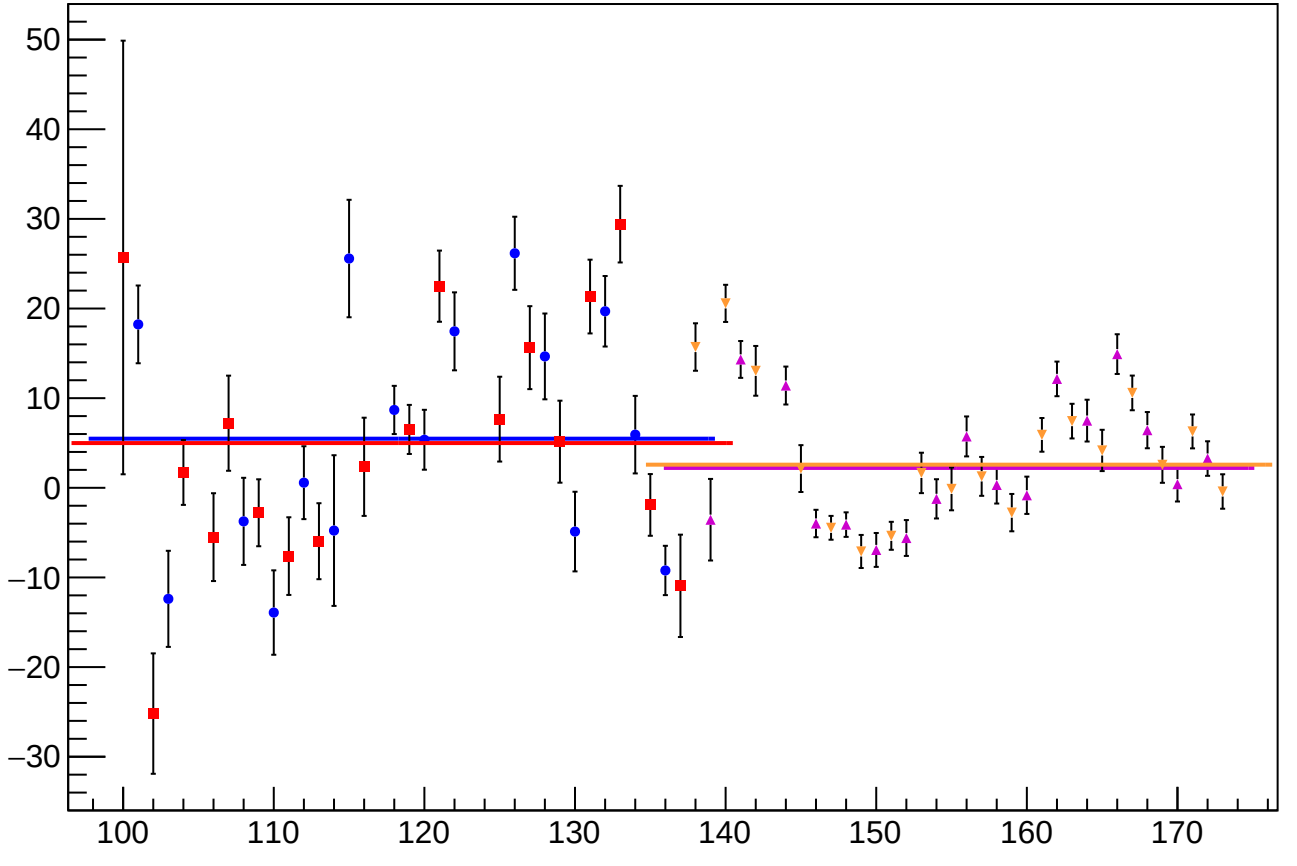
Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: -11.794+/-0.556 χ^2/NDF:8370.4/32

Out: -10.661+/-0.541 χ^2/NDF:8729.4/35

All: -11.213+/-0.388 χ^2/NDF: 17101.9/68

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: 2.581+/-0.469 χ^2/NDF:237.5/17

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 2.217+/-0.482 χ^2/NDF:209.5/16

Left: 2.404+/-0.336 χ^2/NDF: 447.3/34

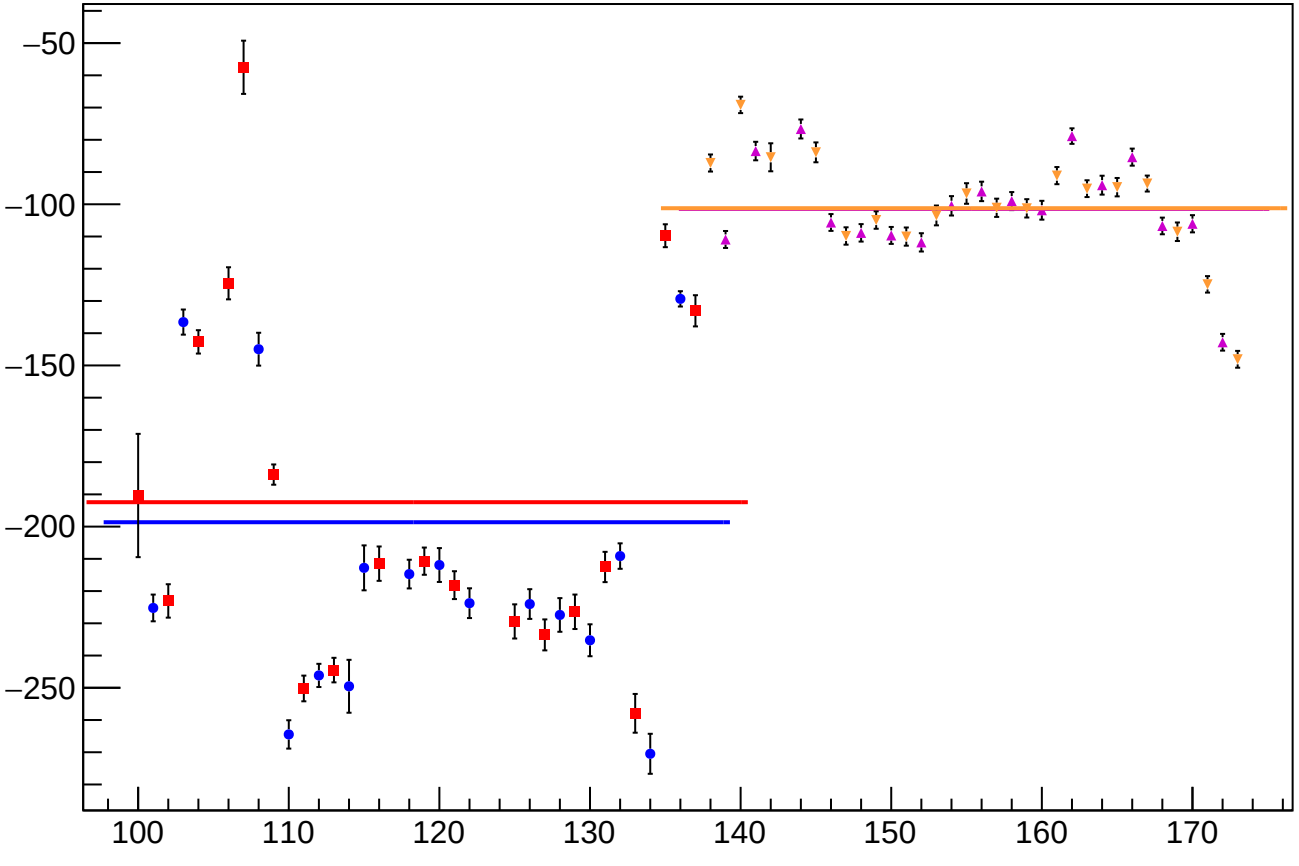
Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 2.811+/-0.436 χ^2/NDF:356.0/32

Out: 3.000+/-0.426 χ^2/NDF:373.9/35

All: 2.908+/-0.305 χ^2/NDF: 730.0/68

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -101.227+/-0.659 χ^2/NDF:704.1/17

Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -101.445+/-0.664 χ^2/NDF:552.8/16

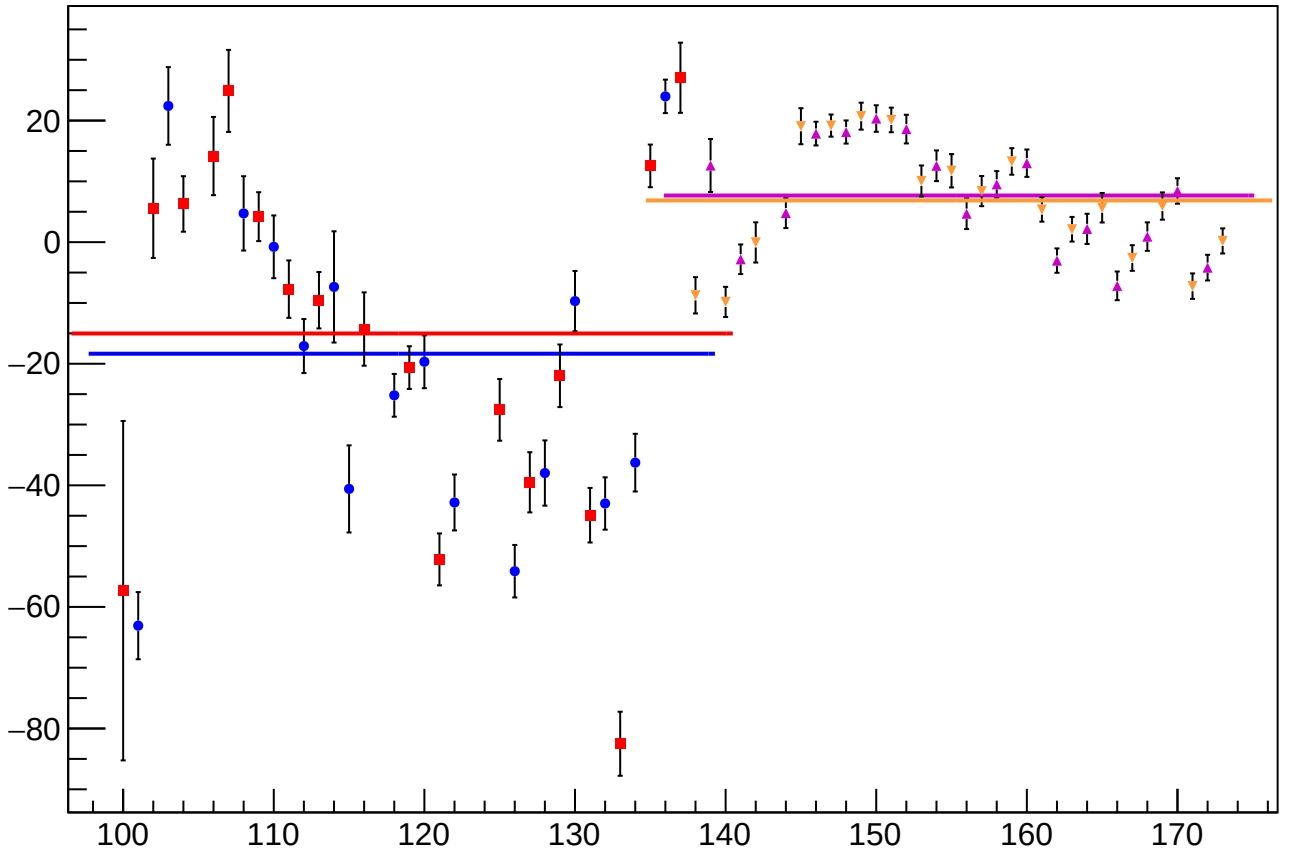
Left: -101.335+/-0.468 χ^2/NDF: 1256.9/34

Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

In: -127.980+/-0.566 χ^2/NDF:8406.5/32

Out: -125.975+/-0.562 χ^2/NDF:8041.4/35

All: -126.971+/-0.399 χ^2/NDF: 16454.1/68



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 6.859+/-0.539 χ^2/NDF:317.7/17

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 7.672+/-0.554 χ^2/NDF:258.1/16

Left: 7.255+/-0.386 χ^2/NDF: 576.9/34

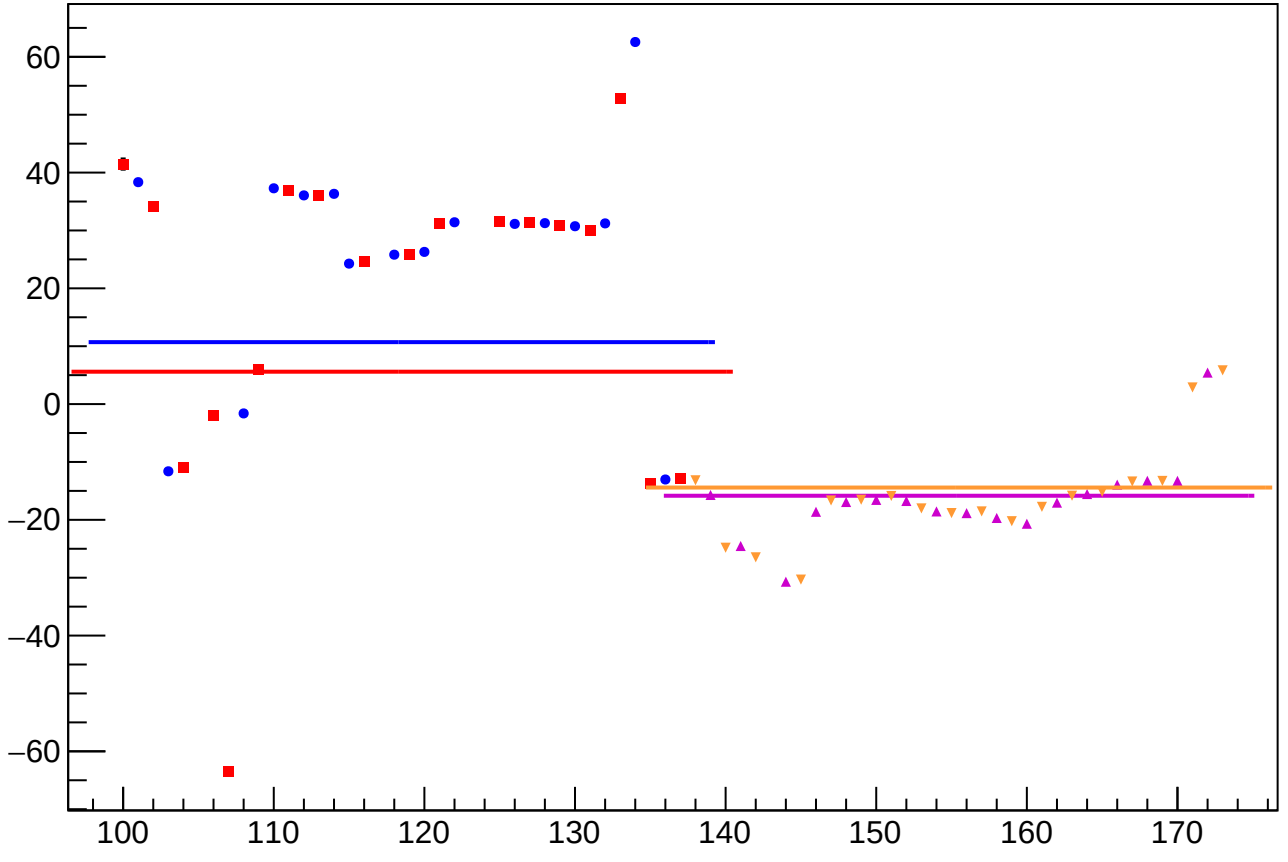
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: 2.835+/-0.500 χ^2/NDF:1212.1/32

Out: 2.979+/-0.489 χ^2/NDF:1155.9/35

All: 2.909+/-0.350 χ^2/NDF: 2368.1/68

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: -14.421+/-0.024 χ^2/NDF:130785.9/17

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -15.838+/-0.025 χ^2/NDF:84004.6/16

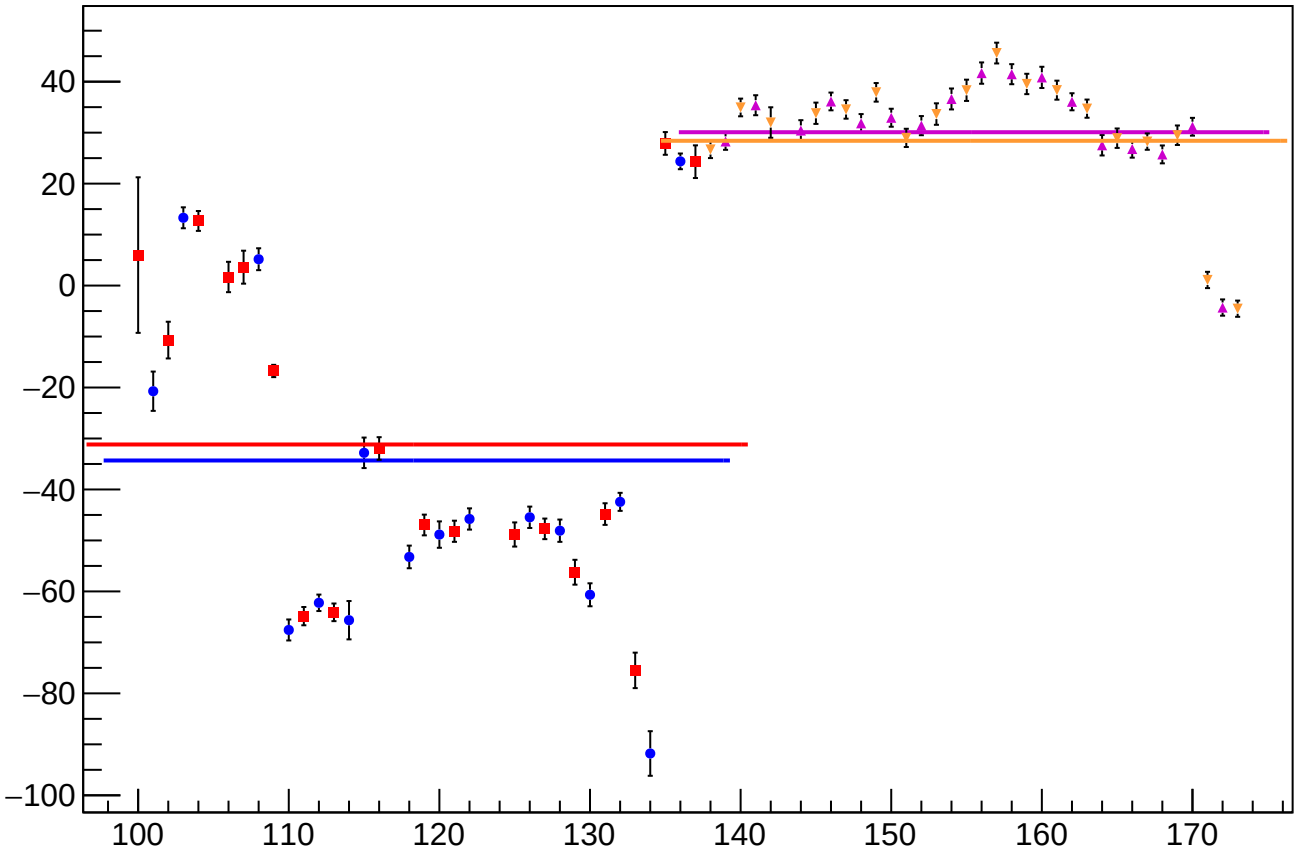
Left: -15.124+/-0.017 χ^2/NDF: 216471.6/34

Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -12.334+/-0.023 χ^2/NDF:403408.3/32

Out: -11.866+/-0.023 χ^2/NDF:372118.9/35

All: -12.099+/-0.016 χ^2/NDF: 775738.0/68



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 28.402+/-0.438 χ^2/NDF:955.2/17

Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 30.085+/-0.444 χ^2/NDF:614.8/16

Left: 29.232+/-0.312 χ^2/NDF: 1577.3/34

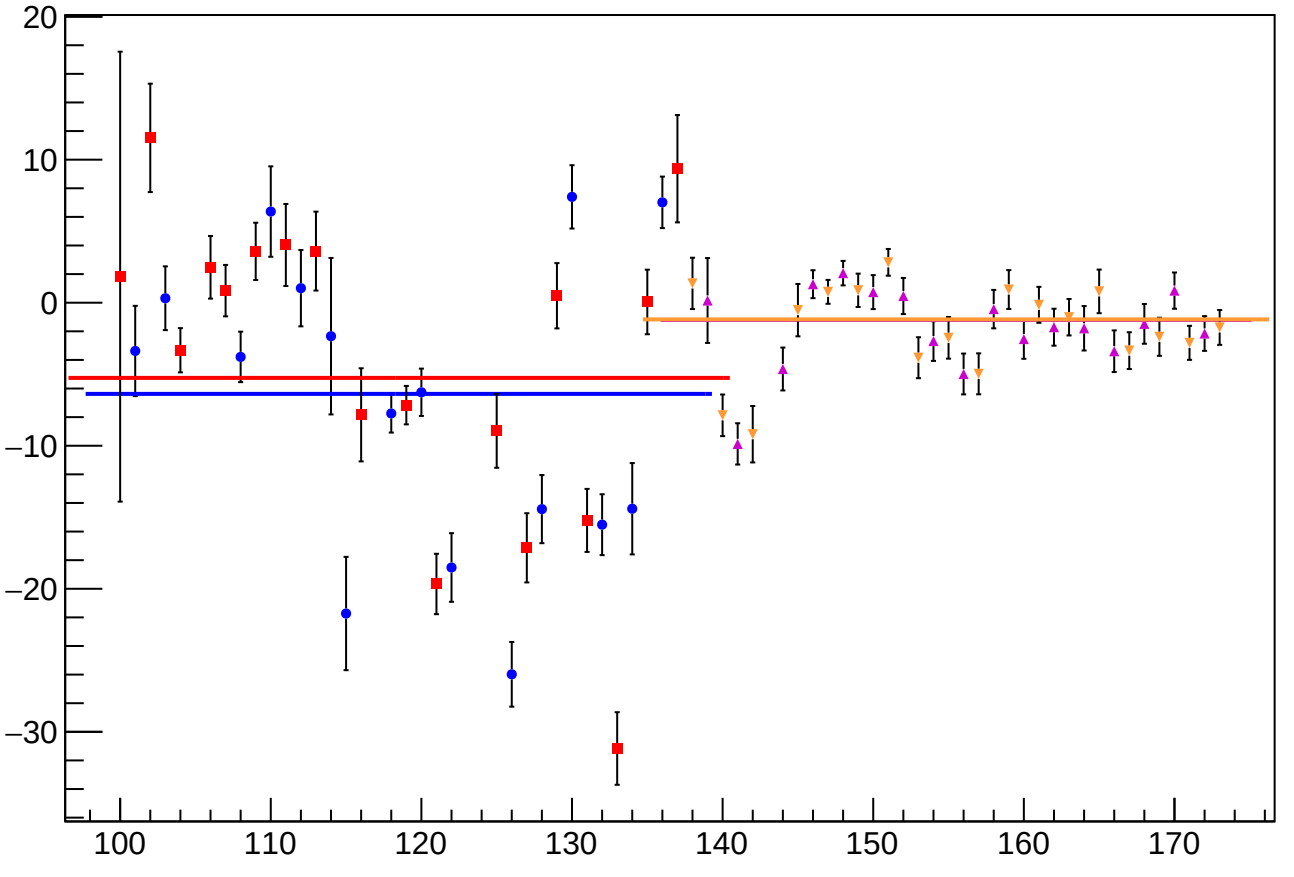
Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: 4.519+/-0.345 χ^2/NDF:12449.8/32

Out: 3.433+/-0.334 χ^2/NDF:11907.5/35

All: 3.958+/-0.240 χ^2/NDF: 24362.5/68

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: -1.169+/-0.303 χ^2/NDF:88.4/17

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -1.206+/-0.313 χ^2/NDF:82.3/16

Left: -1.187+/-0.218 χ^2/NDF: 170.7/34

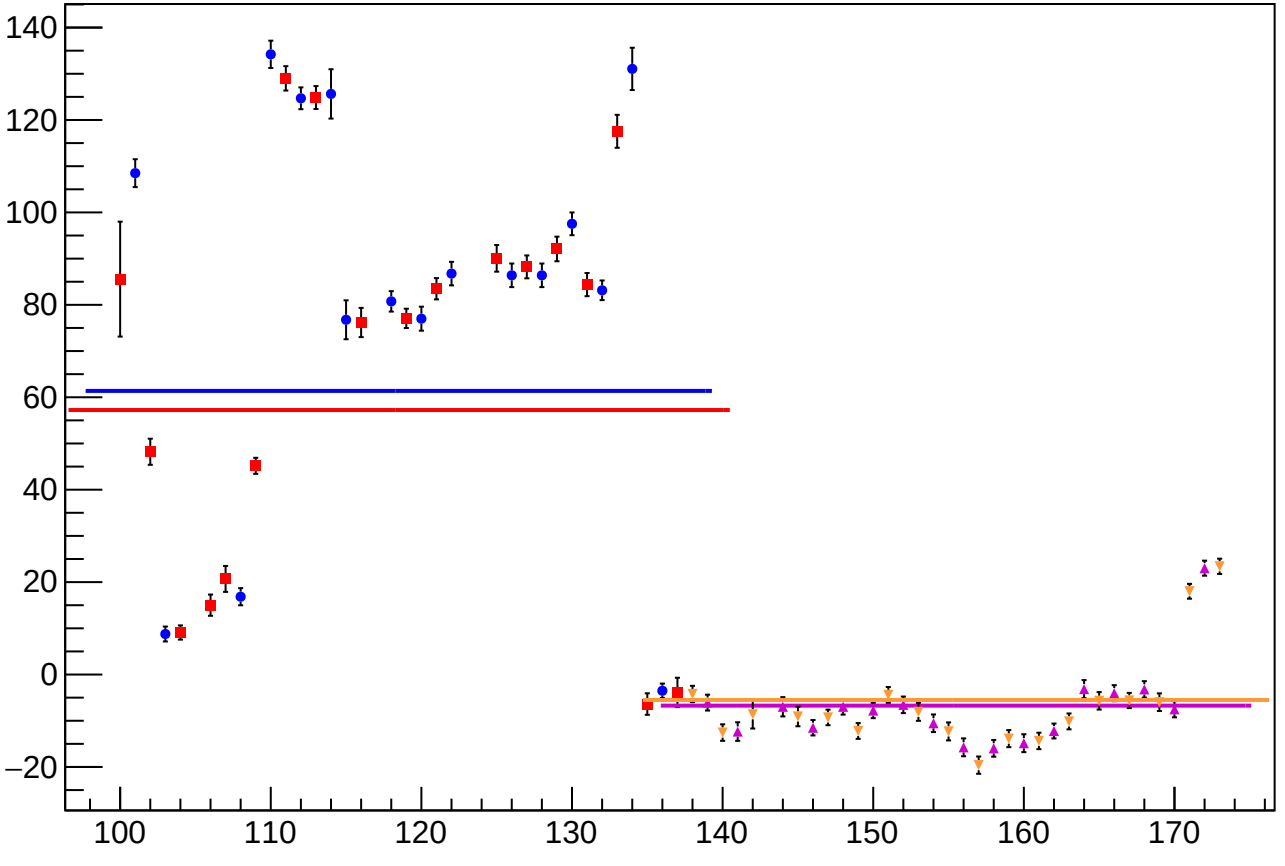
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -2.460+/-0.273 χ^2/NDF:432.0/32

Out: -2.170+/-0.264 χ^2/NDF:445.8/35

All: -2.310+/-0.190 χ^2/NDF: 878.3/68

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: -5.501+/-0.429 χ^2/NDF:685.2/17

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -6.730+/-0.434 χ^2/NDF:441.6/16

Left: -6.109+/-0.305 χ^2/NDF: 1130.9/34

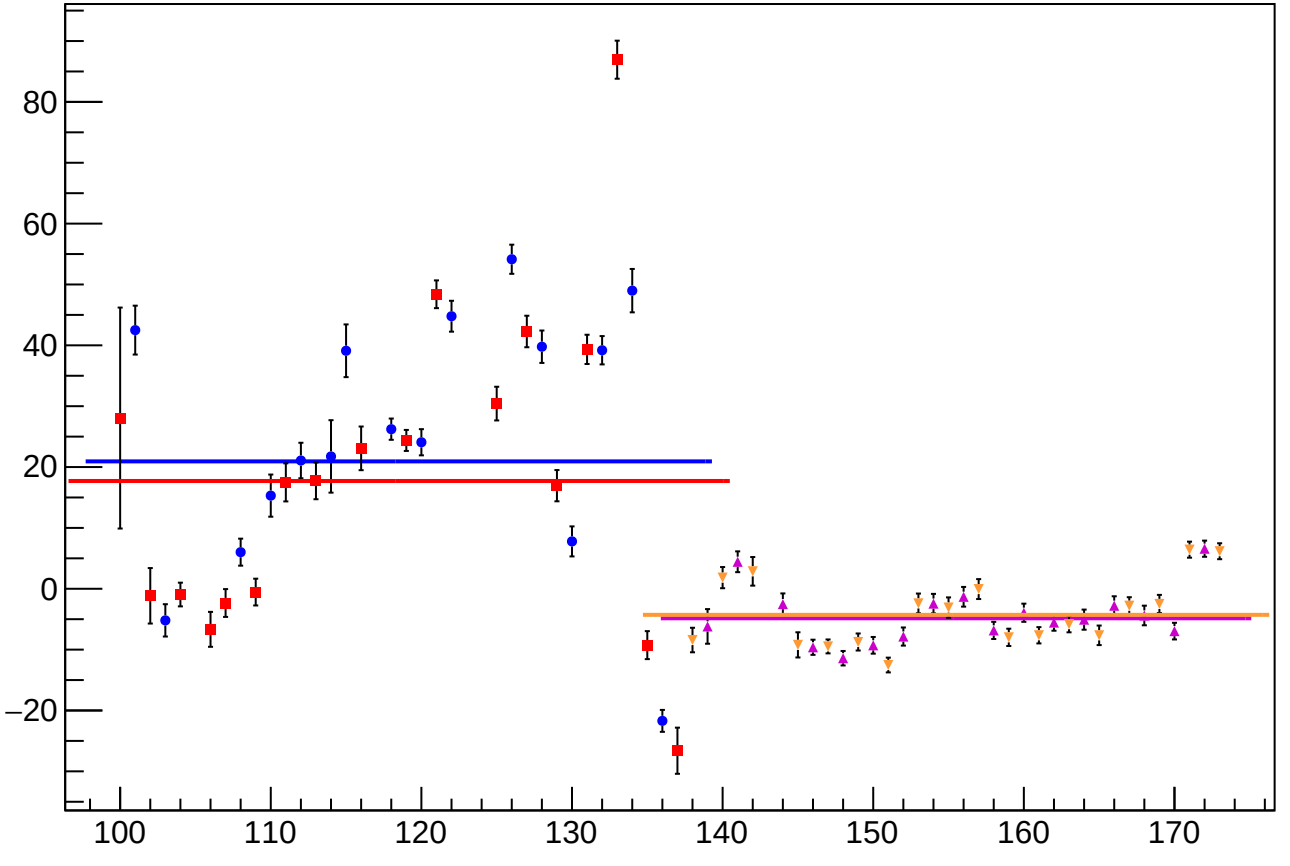
Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 16.926+/-0.350 χ^2/NDF:15079.7/32

Out: 16.668+/-0.345 χ^2/NDF:13514.6/35

All: 16.795+/-0.246 χ^2/NDF: 28594.6/68

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -4.284+/-0.350 χ^2/NDF:268.2/17

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -4.855+/-0.361 χ^2/NDF:179.0/16

Left: -4.560+/-0.251 χ^2/NDF: 448.5/34

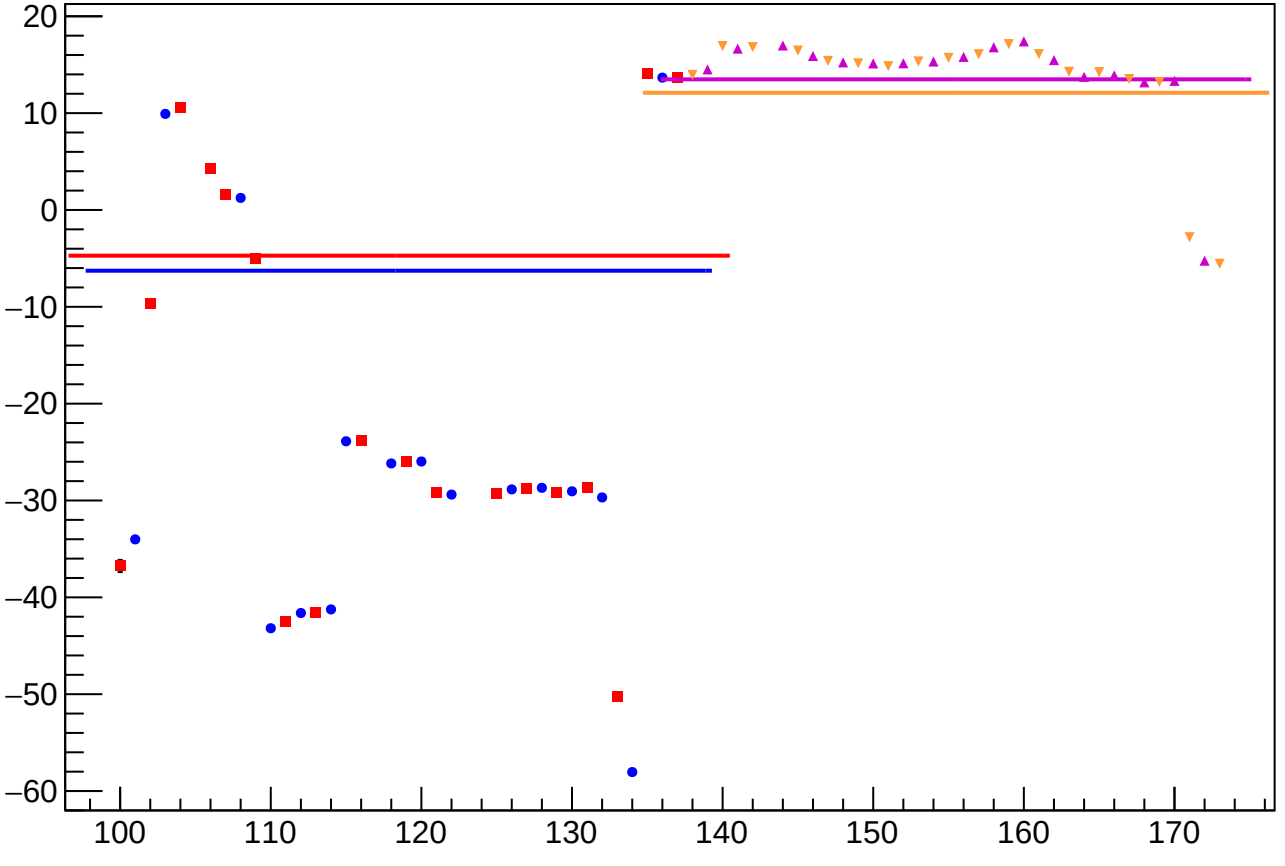
Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 1.369+/-0.315 χ^2/NDF:2655.3/32

Out: 1.048+/-0.304 χ^2/NDF:2709.3/35

All: 1.204+/-0.219 χ^2/NDF: 5365.2/68

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: 12.103+/-0.016 χ^2/NDF:206211.9/17

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 13.488+/-0.016 χ^2/NDF:129158.5/16

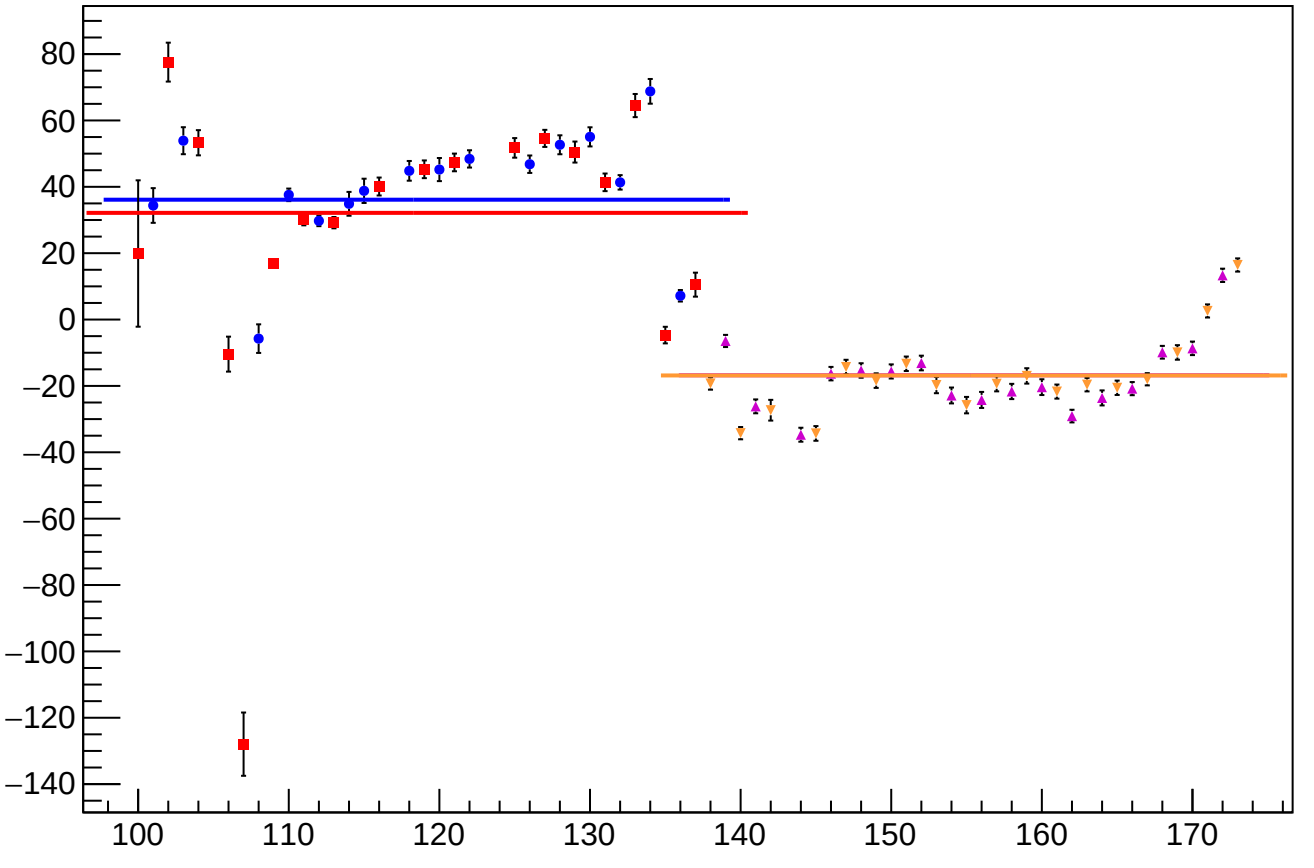
Left: 12.787+/-0.011 χ^2/NDF: 339164.2/34

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: 9.805+/-0.014 χ^2/NDF:824088.3/32

Out: 9.070+/-0.014 χ^2/NDF:717277.3/35

All: 9.434+/-0.010 χ^2/NDF: 1542677.1/68



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -16.846+/-0.506 χ^2/NDF:579.2/17

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -16.791+/-0.511 χ^2/NDF:459.4/16

Left: -16.819+/-0.360 χ^2/NDF: 1038.7/34

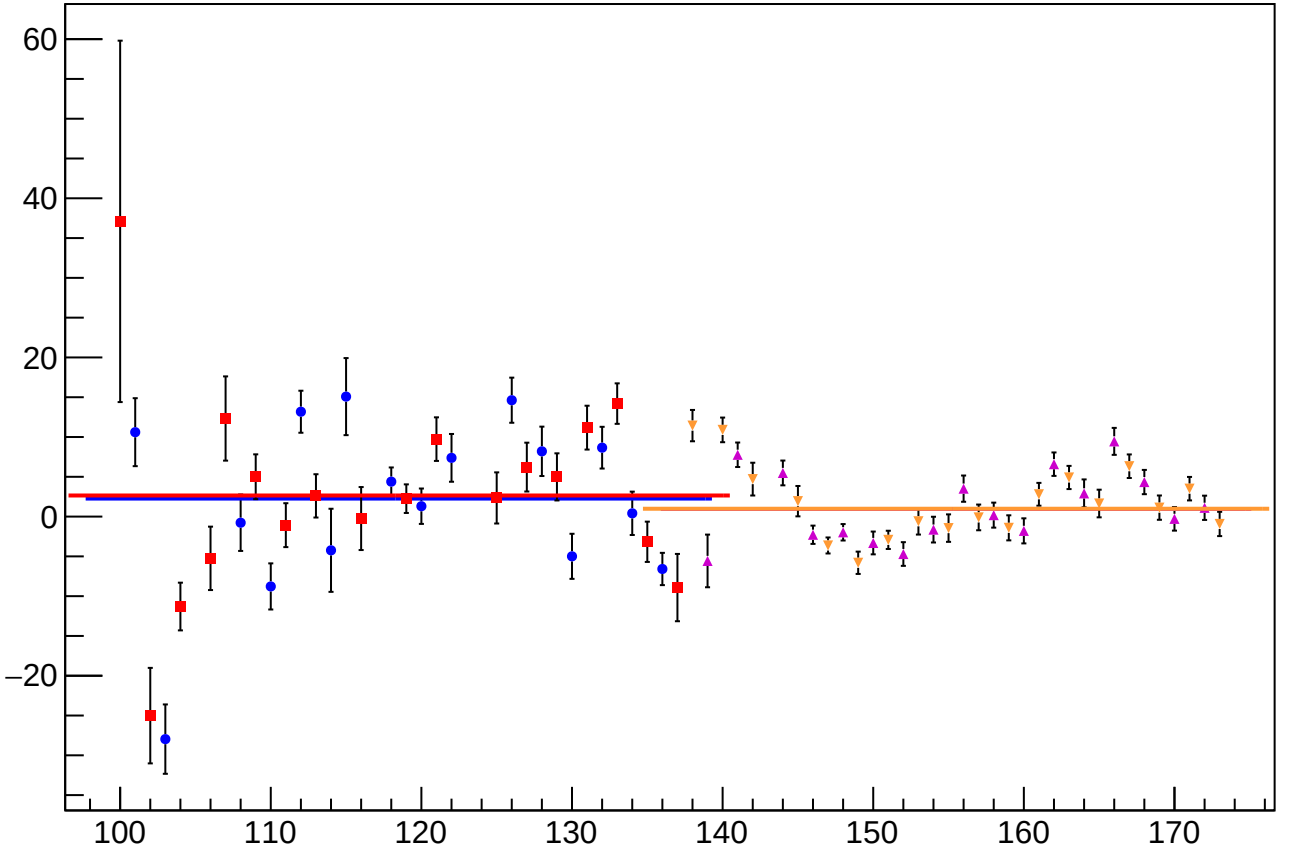
Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: 3.197+/-0.403 χ^2/NDF:5124.6/32

Out: 2.364+/-0.395 χ^2/NDF:5363.6/35

All: 2.772+/-0.282 χ^2/NDF: 10490.4/68

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 0.985+/-0.354 χ^2/NDF:161.0/17

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 0.955+/-0.363 χ^2/NDF:126.2/16

Left: 0.970+/-0.254 χ^2/NDF: 287.2/34

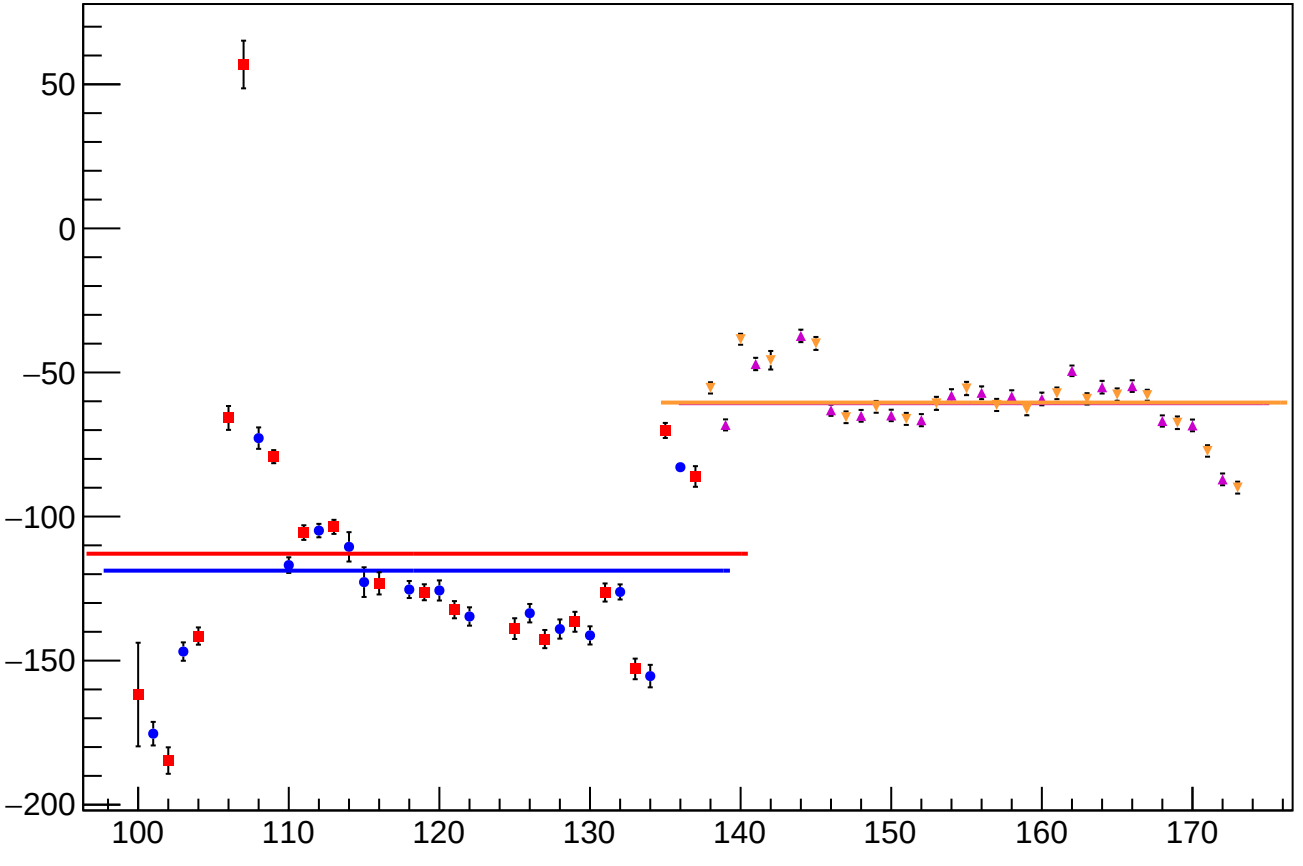
Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 1.232+/-0.323 χ^2/NDF:281.0/32

Out: 1.312+/-0.317 χ^2/NDF:272.6/35

All: 1.273+/-0.226 χ^2/NDF: 553.6/68

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -60.450+/-0.497 χ^2/NDF:554.9/17

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -60.660+/-0.500 χ^2/NDF:439.7/16

Left: -60.554+/-0.352 χ^2/NDF: 994.7/34

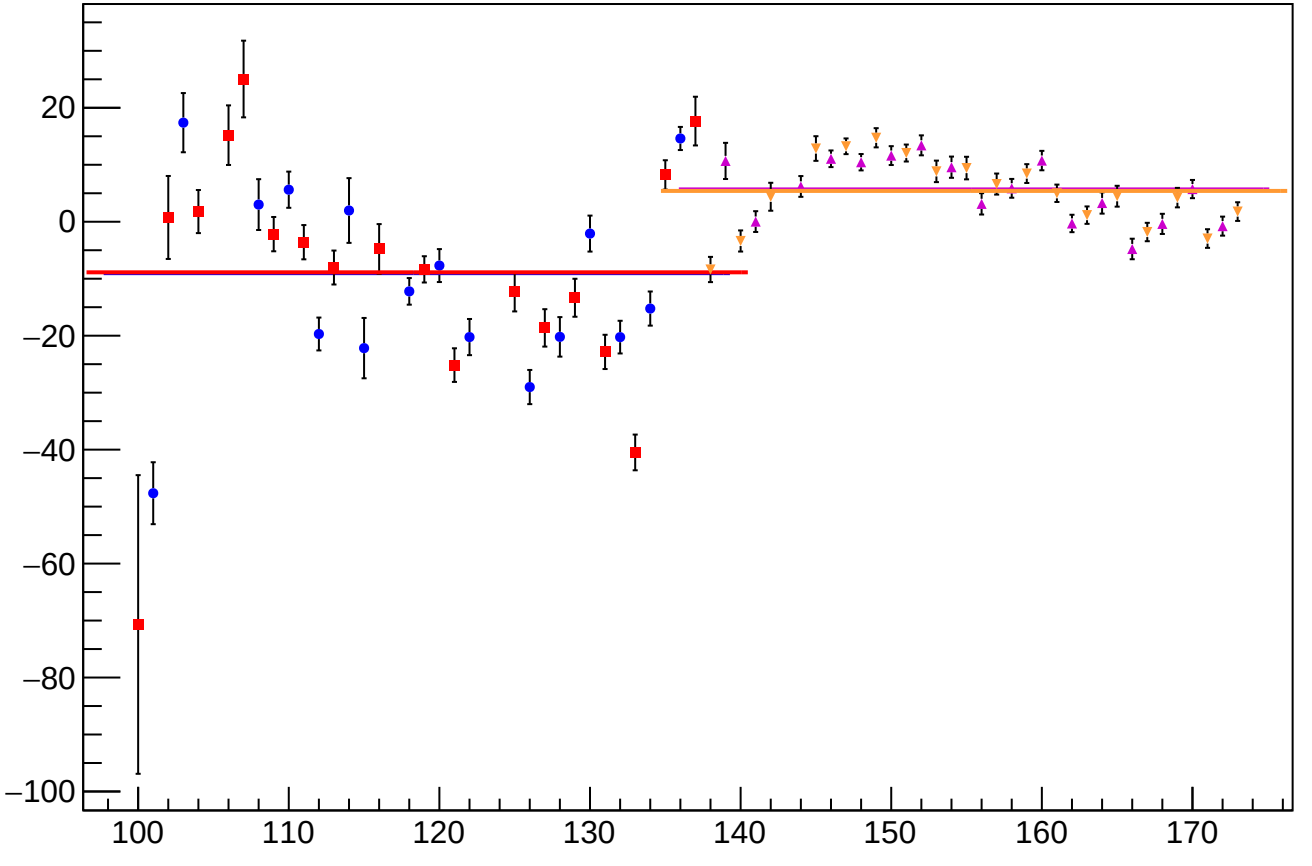
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -78.305+/-0.417 χ^2/NDF:5665.9/32

Out: -76.112+/-0.416 χ^2/NDF:5749.9/35

All: -77.205+/-0.294 χ^2/NDF: 11429.6/68

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: 5.410+/-0.407 χ^2/NDF:227.1/17

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 5.674+/-0.418 χ^2/NDF:161.3/16

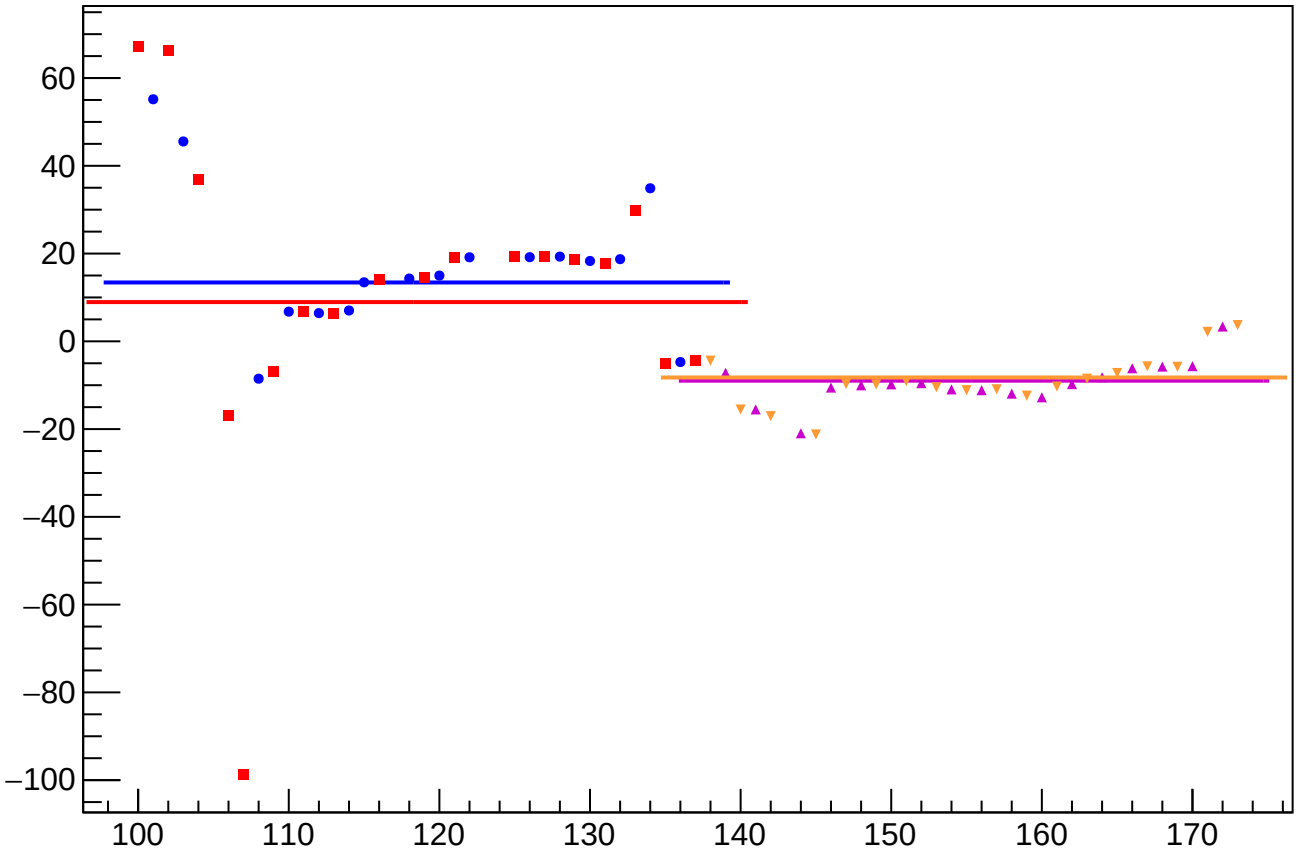
Left: 5.539+/-0.292 χ^2/NDF: 388.5/34

Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: 2.495+/-0.370 χ^2/NDF:786.6/32

Out: 2.530+/-0.364 χ^2/NDF:793.9/35

All: 2.512+/-0.259 χ^2/NDF: 1580.6/68



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -8.243+/-0.018 χ^2/NDF:97941.6/17

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -8.969+/-0.018 χ^2/NDF:64857.7/16

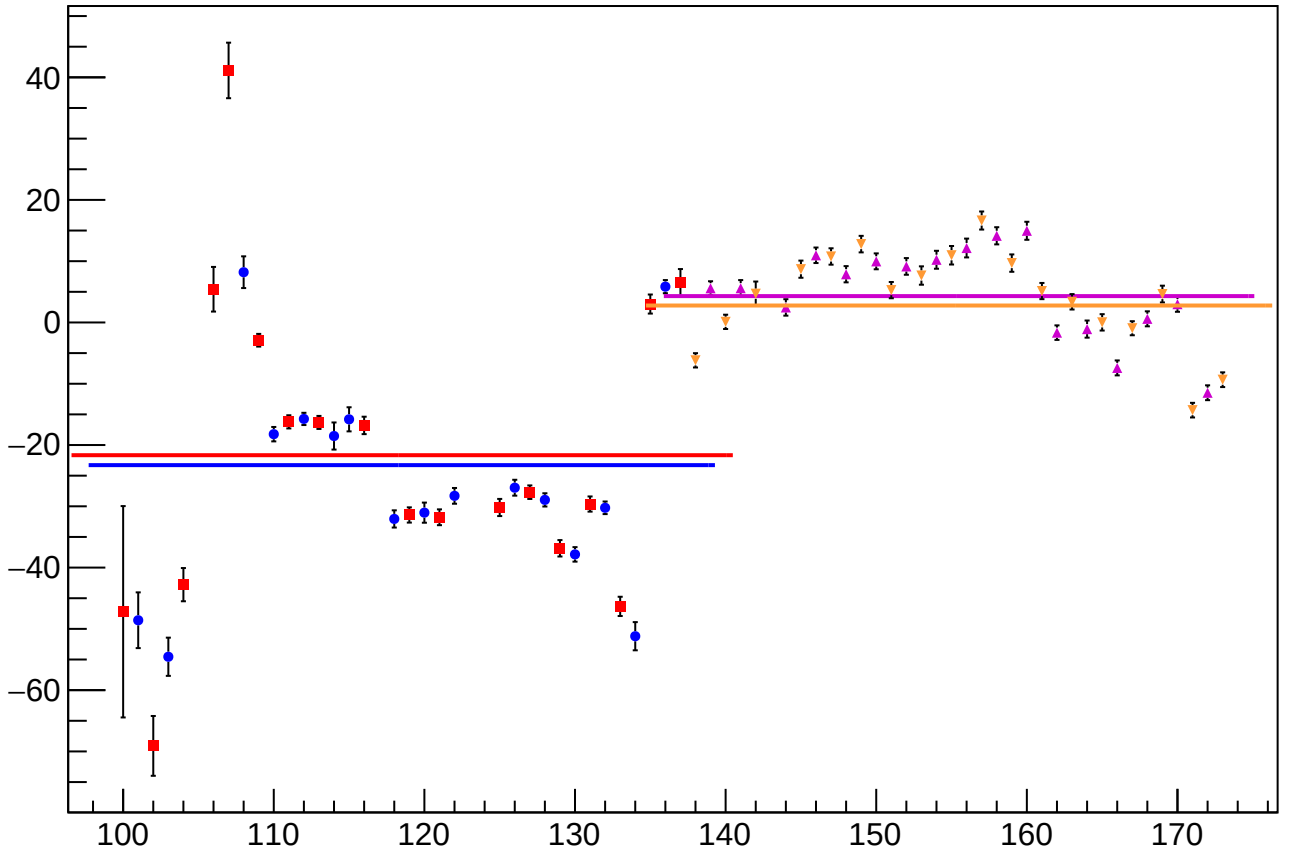
Left: -8.604+/-0.013 χ^2/NDF: 163576.3/34

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -5.777+/-0.017 χ^2/NDF:458016.5/32

Out: -6.004+/-0.017 χ^2/NDF:503406.7/35

All: -5.891+/-0.012 χ^2/NDF: 961511.2/68



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 2.766+/-0.313 χ^2/NDF:656.0/17

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 4.302+/-0.317 χ^2/NDF:527.5/16

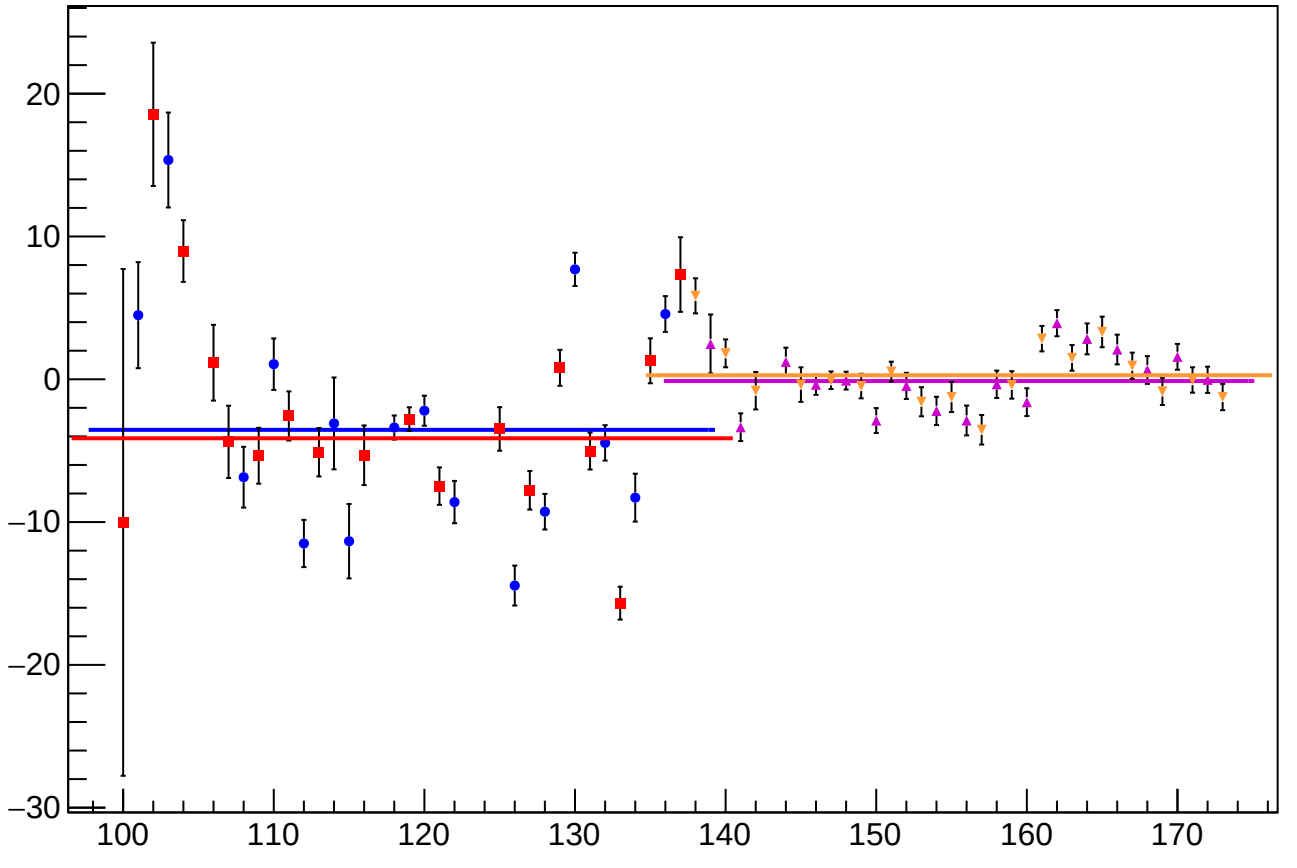
Left: 3.525+/-0.223 χ^2/NDF: 1195.4/34

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -8.099+/-0.235 χ^2/NDF:5506.2/32

Out: -8.183+/-0.233 χ^2/NDF:5198.4/35

All: -8.141+/-0.165 χ^2/NDF: 10704.6/68



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.283+/-0.218 χ^2/NDF:67.7/17

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.124+/-0.224 χ^2/NDF:74.3/16

Left: 0.085+/-0.156 χ^2/NDF: 143.7/34

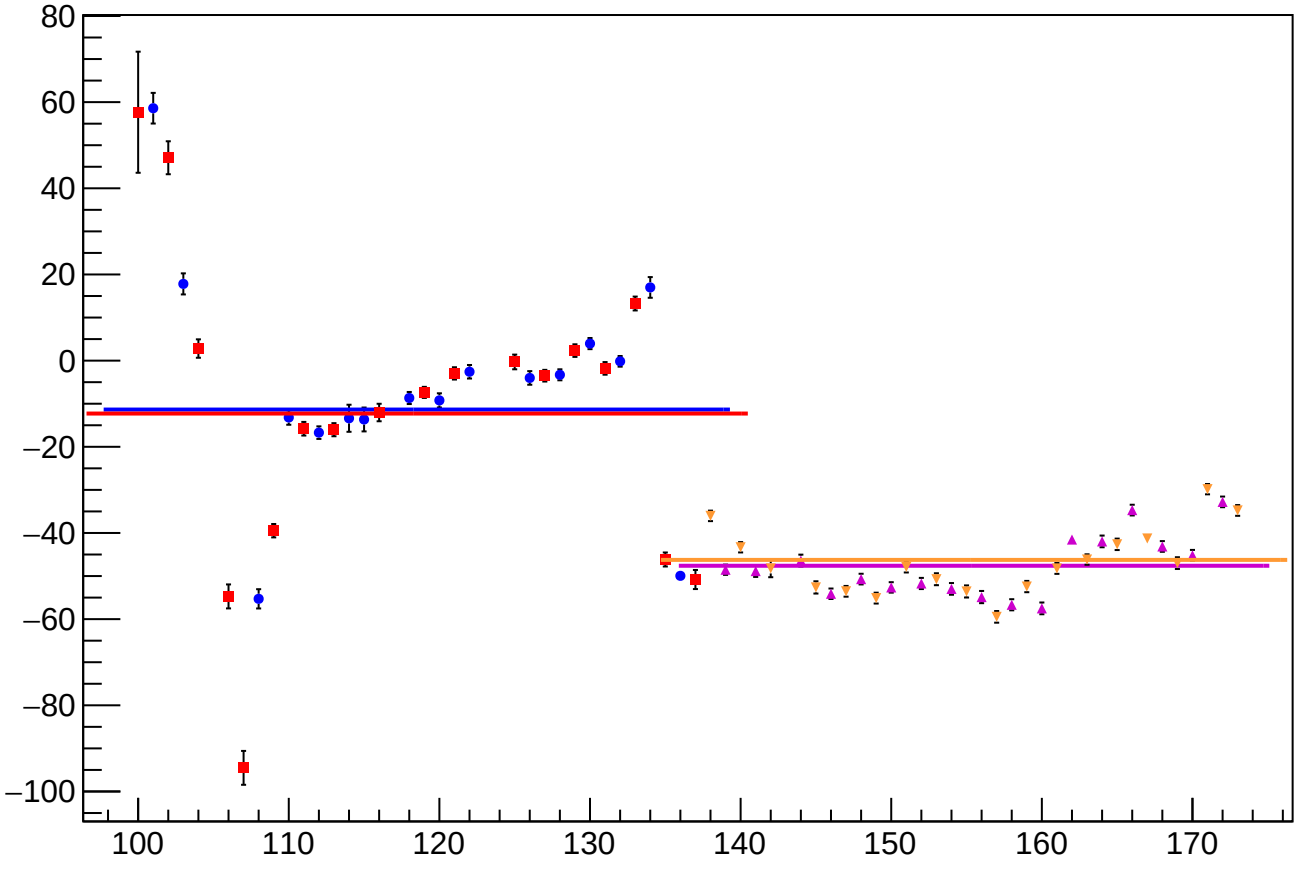
Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -1.070+/-0.191 χ^2/NDF:455.3/32

Out: -0.853+/-0.188 χ^2/NDF:400.5/35

All: -0.960+/-0.134 χ^2/NDF: 856.4/68

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: -46.250+/-0.307 χ^2/NDF:637.9/17

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -47.609+/-0.309 χ^2/NDF:522.4/16

Left: -46.924+/-0.218 χ^2/NDF: 1170.0/34

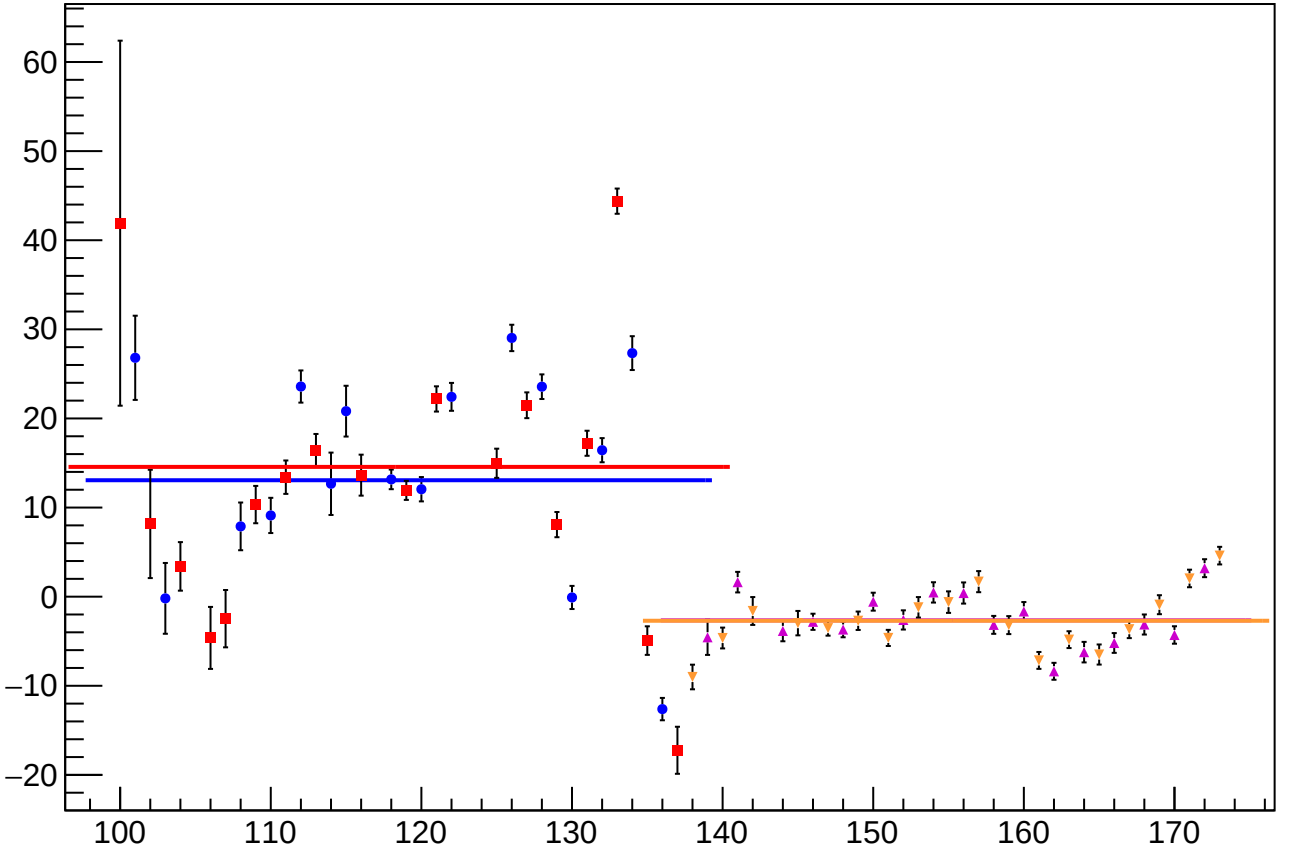
Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -34.286+/-0.246 χ^2/NDF:8235.6/32

Out: -34.174+/-0.246 χ^2/NDF:7585.2/35

All: -34.230+/-0.174 χ^2/NDF: 15820.8/68

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -2.703+/-0.251 χ^2/NDF:168.4/17

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.658+/-0.258 χ^2/NDF:124.8/16

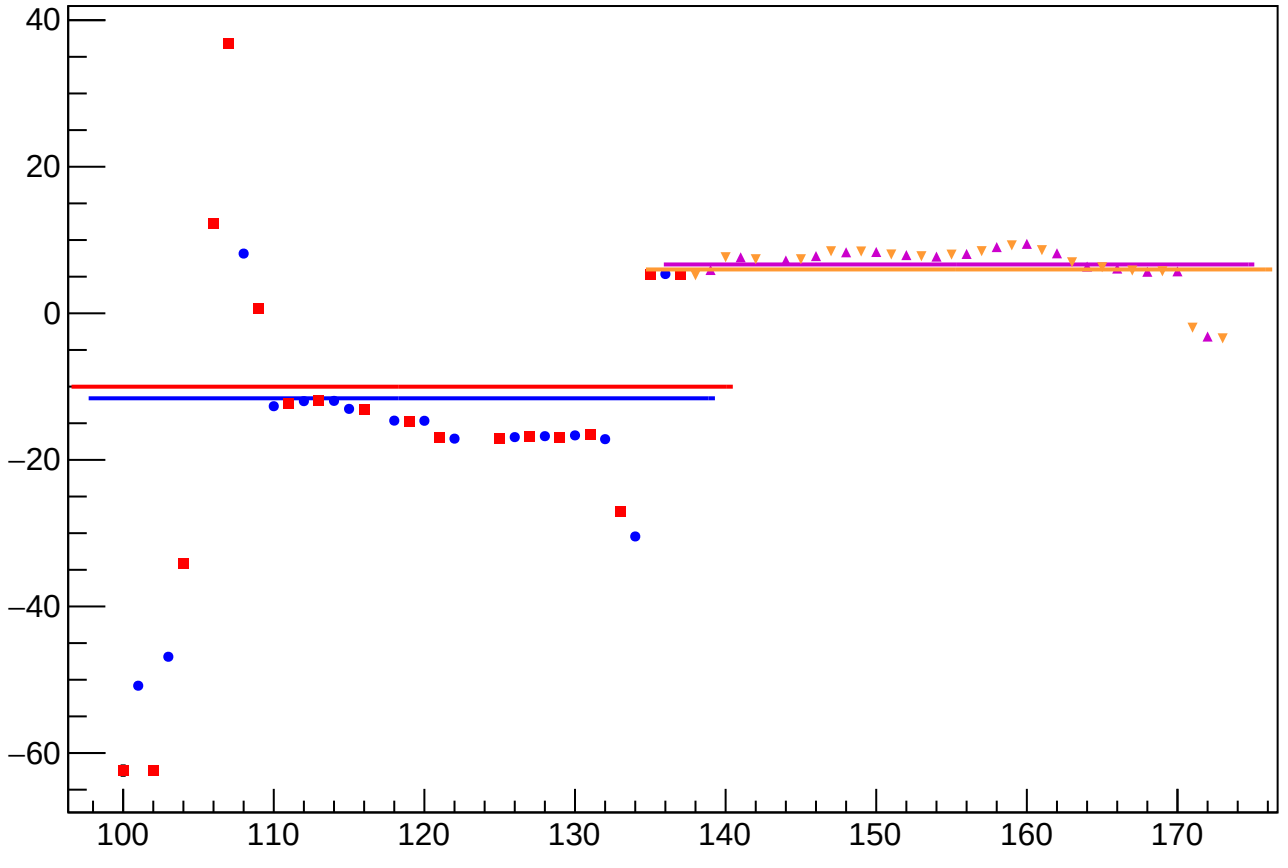
Left: -2.681+/-0.180 χ^2/NDF: 293.2/34

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 1.735+/-0.219 χ^2/NDF:2024.1/32

Out: 1.805+/-0.216 χ^2/NDF:2305.5/35

All: 1.771+/-0.154 χ^2/NDF: 4329.6/68



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 5.985+/-0.011 χ^2/NDF:108694.4/17

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 6.666+/-0.011 χ^2/NDF:68624.0/16

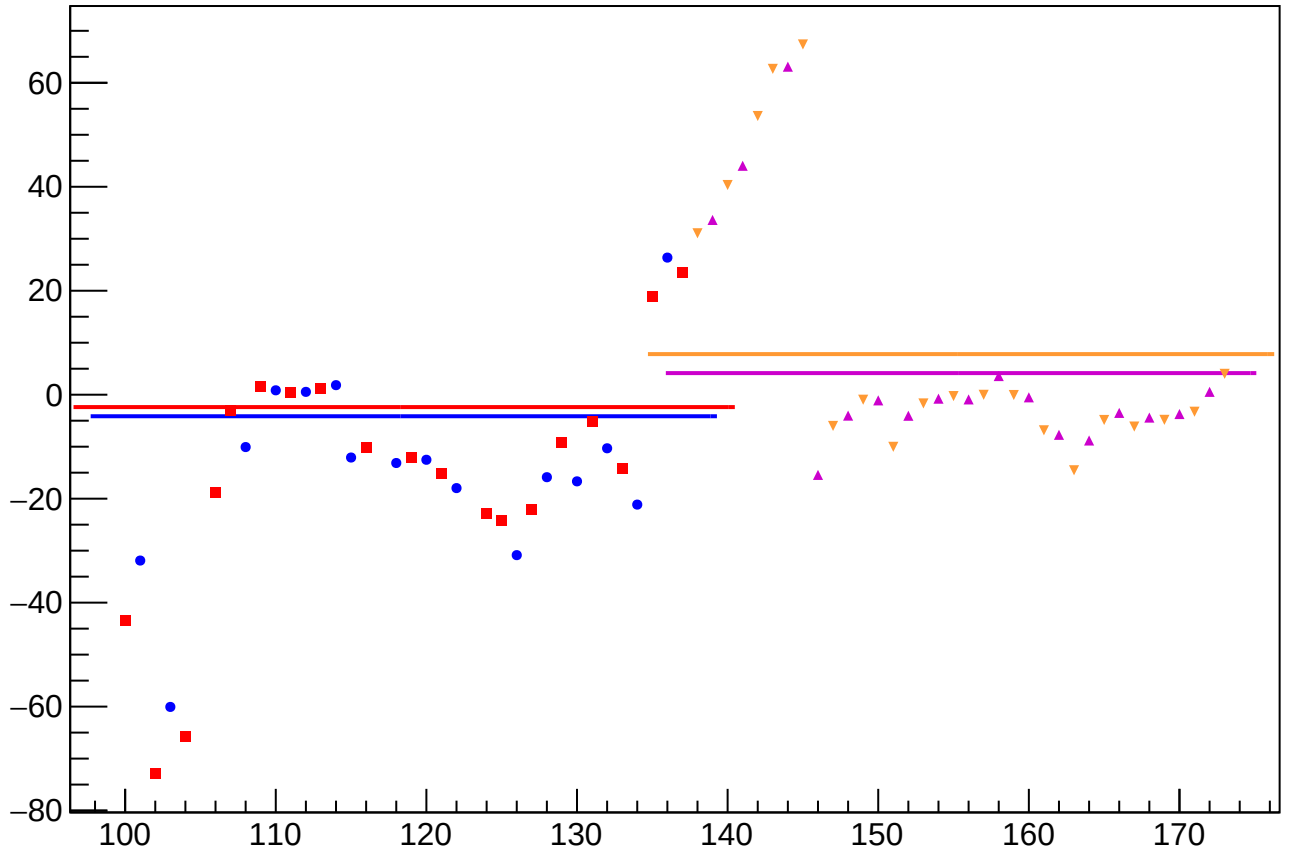
Left: 6.323+/-0.008 χ^2/NDF: 179111.0/34

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 3.768+/-0.010 χ^2/NDF:834472.1/32

Out: 3.655+/-0.010 χ^2/NDF:795228.3/35

All: 3.711+/-0.007 χ^2/NDF: 1629758.1/68



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 7.810+/-0.055 χ^2/NDF:155202.2/18

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 4.155+/-0.051 χ^2/NDF:121850.3/16

Left: 5.822+/-0.037 χ^2/NDF: 279413.2/35

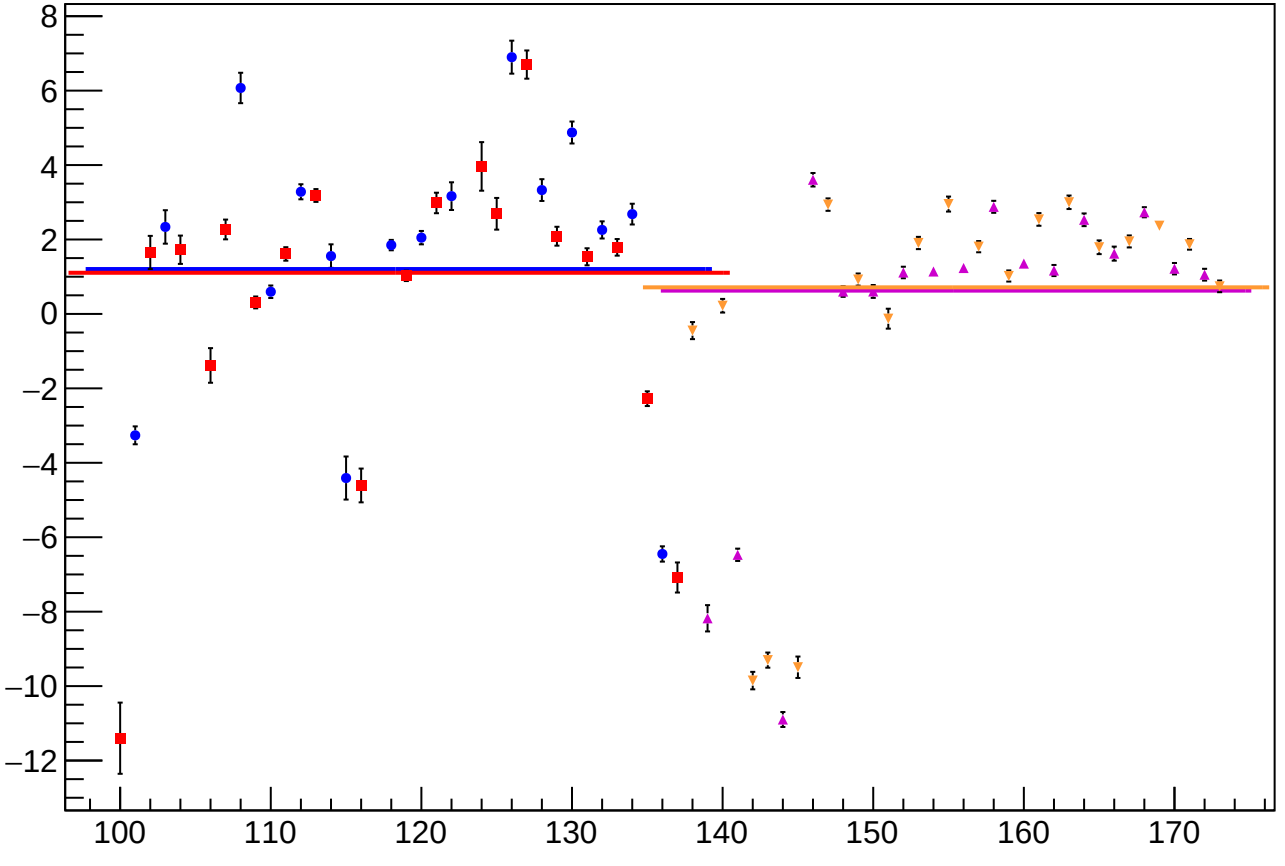
Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 0.310+/-0.037 χ^2/NDF:209480.0/32

Out: 1.786+/-0.035 χ^2/NDF:255906.5/37

All: 1.083+/-0.026 χ^2/NDF: 466210.5/70

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.714+/-0.040 χ^2/NDF:6736.1/18

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: 0.626+/-0.037 χ^2/NDF:6726.7/16

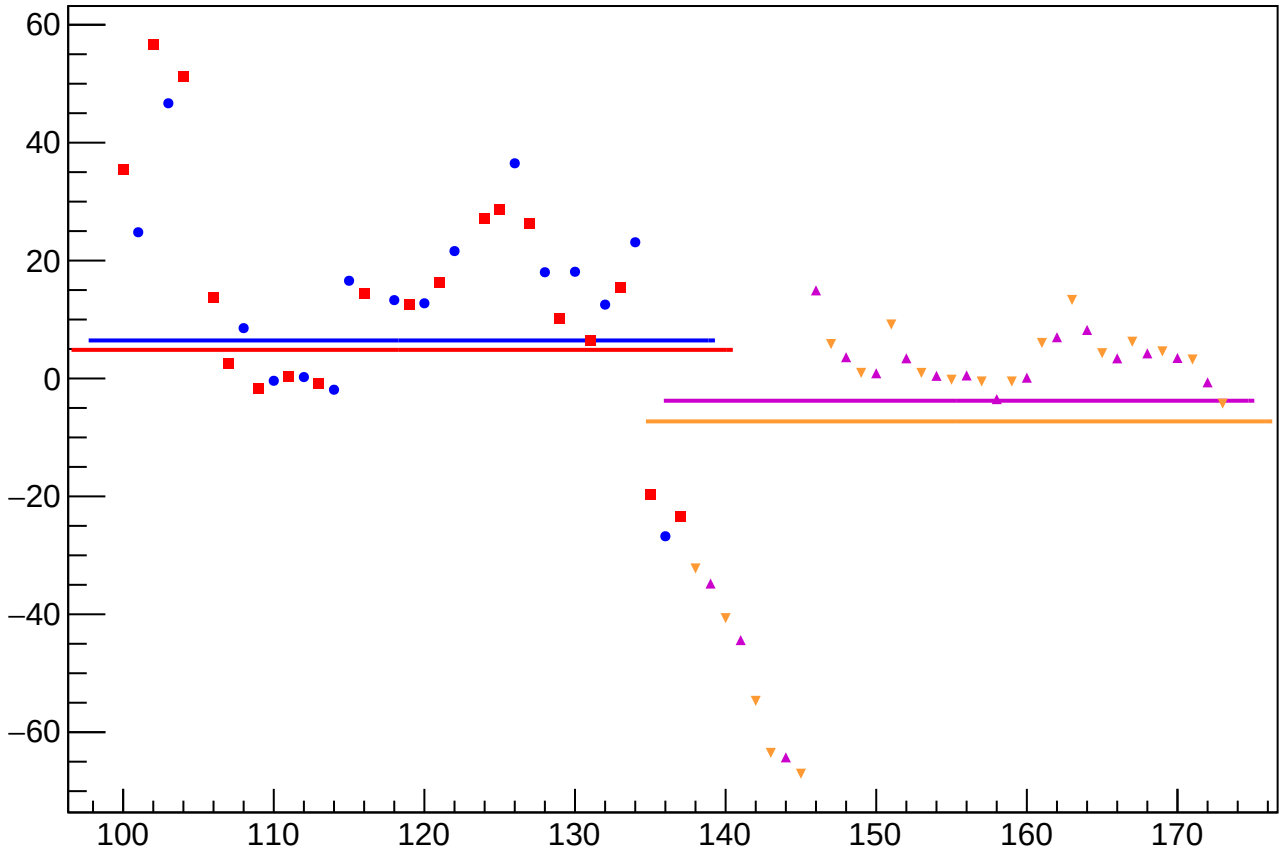
Left: 0.666+/-0.027 χ^2/NDF: 13465.4/35

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.782+/-0.031 χ^2/NDF:9378.4/32

Out: 0.844+/-0.033 χ^2/NDF:8354.6/37

All: 0.812+/-0.023 χ^2/NDF: 17734.8/70



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -7.277+/-0.055 χ^2/NDF:150835.3/18

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -3.774+/-0.049 χ^2/NDF:119353.6/16

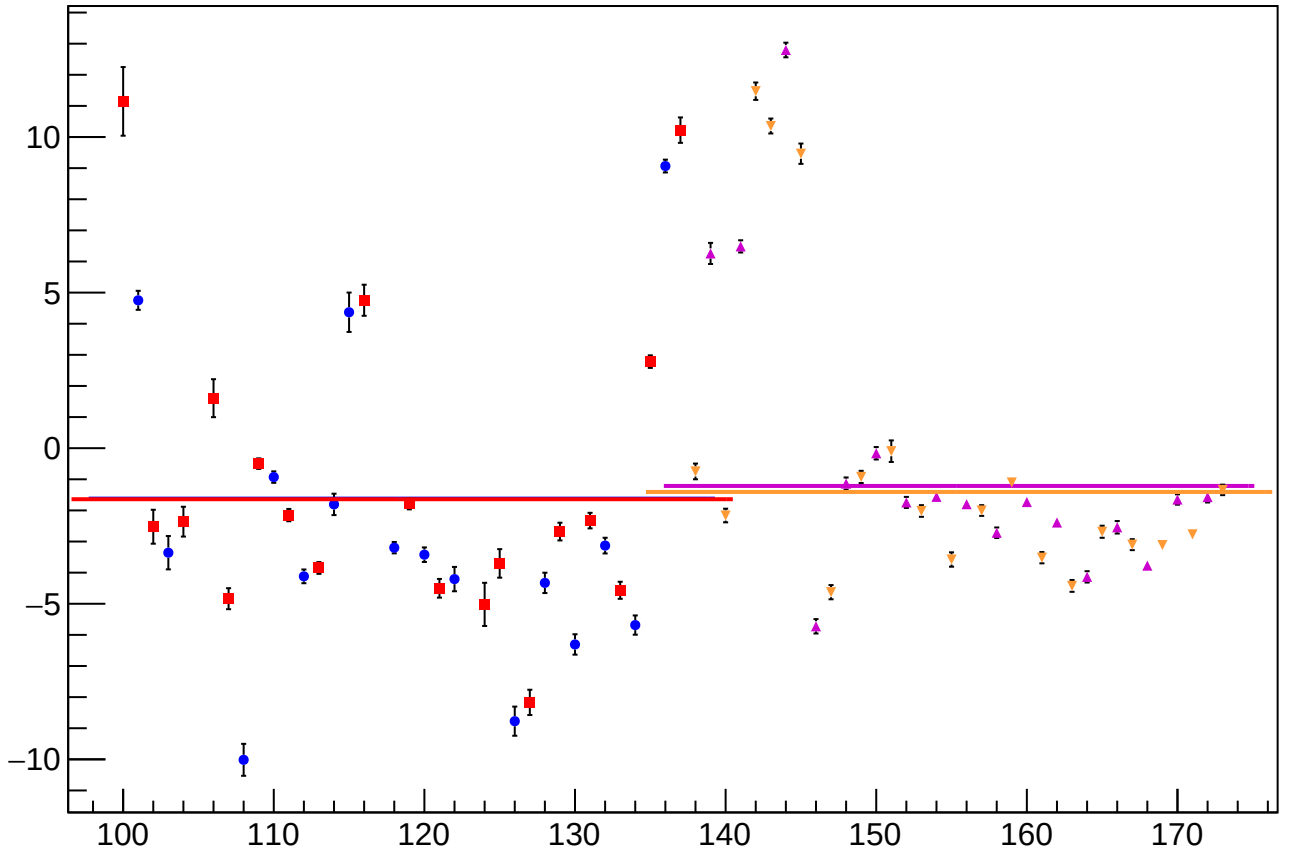
Left: -5.346+/-0.037 χ^2/NDF: 272462.4/35

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -0.064+/-0.039 χ^2/NDF:205698.2/32

Out: -1.701+/-0.040 χ^2/NDF:248827.7/37

All: -0.866+/-0.028 χ^2/NDF: 455376.6/70



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.407+/-0.045 χ^2/NDF:6708.9/18

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -1.213+/-0.041 χ^2/NDF:6736.7/16

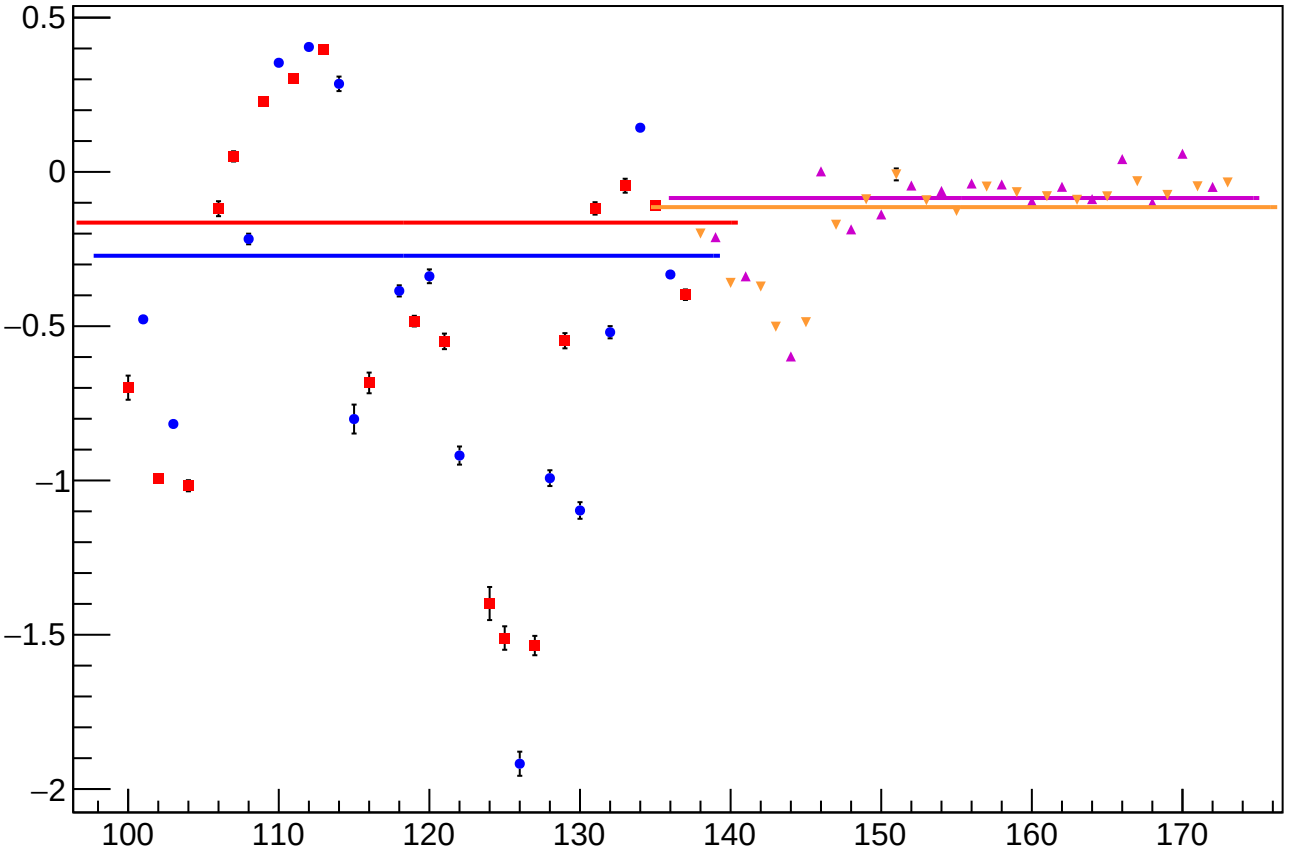
Left: -1.301+/-0.031 χ^2/NDF: 13455.5/35

Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -1.320+/-0.036 χ^2/NDF:11287.4/32

Out: -1.484+/-0.037 χ^2/NDF:9179.8/37

All: -1.398+/-0.026 χ^2/NDF: 20477.4/70



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.114+/-0.002 χ^2/NDF:3458.1/18

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.085+/-0.002 χ^2/NDF:3682.9/16

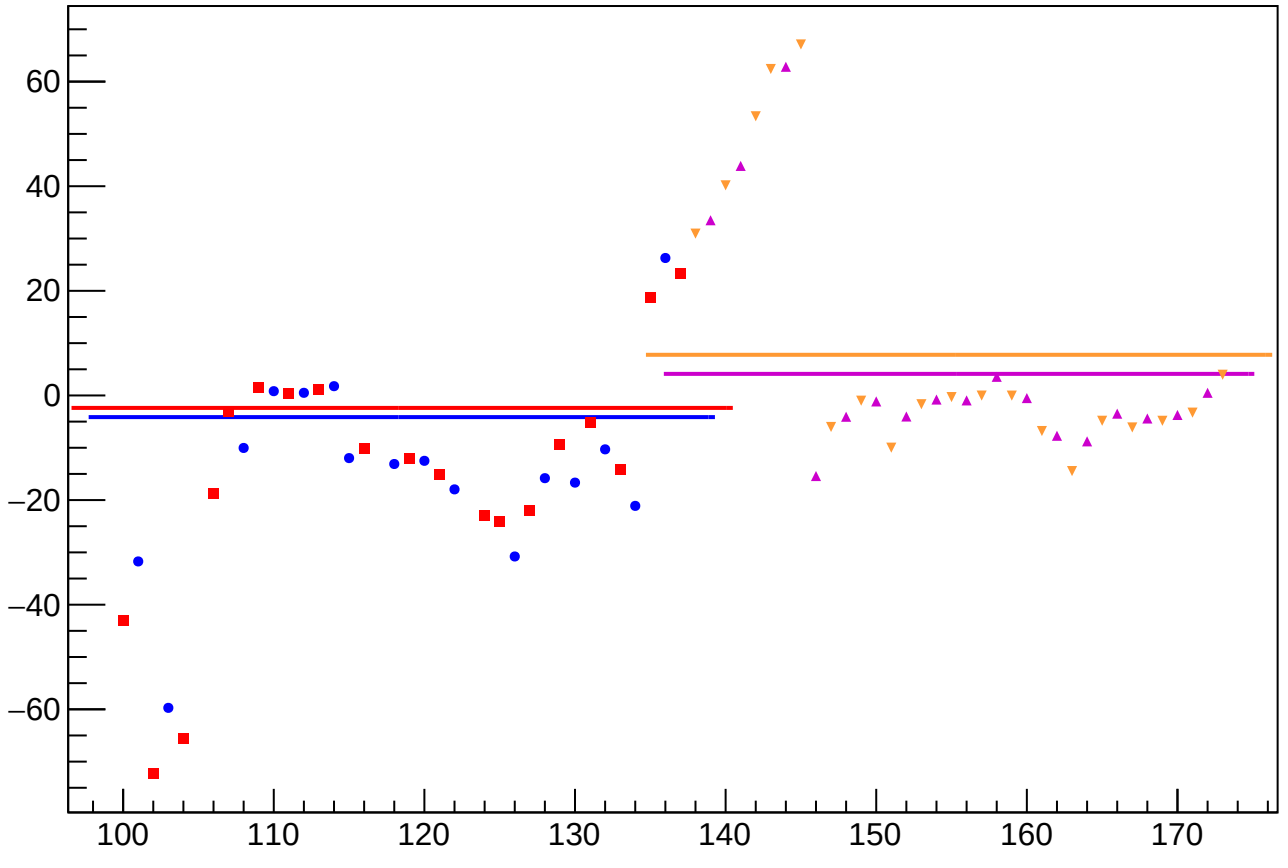
Left: -0.098+/-0.001 χ^2/NDF: 7265.0/35

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.113+/-0.002 χ^2/NDF:17452.4/32

Out: -0.125+/-0.002 χ^2/NDF:19092.3/37

All: -0.118+/-0.001 χ^2/NDF: 36569.7/70



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 7.773+/-0.055 χ^2/NDF:154952.6/18

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 4.125+/-0.051 χ^2/NDF:121739.7/16

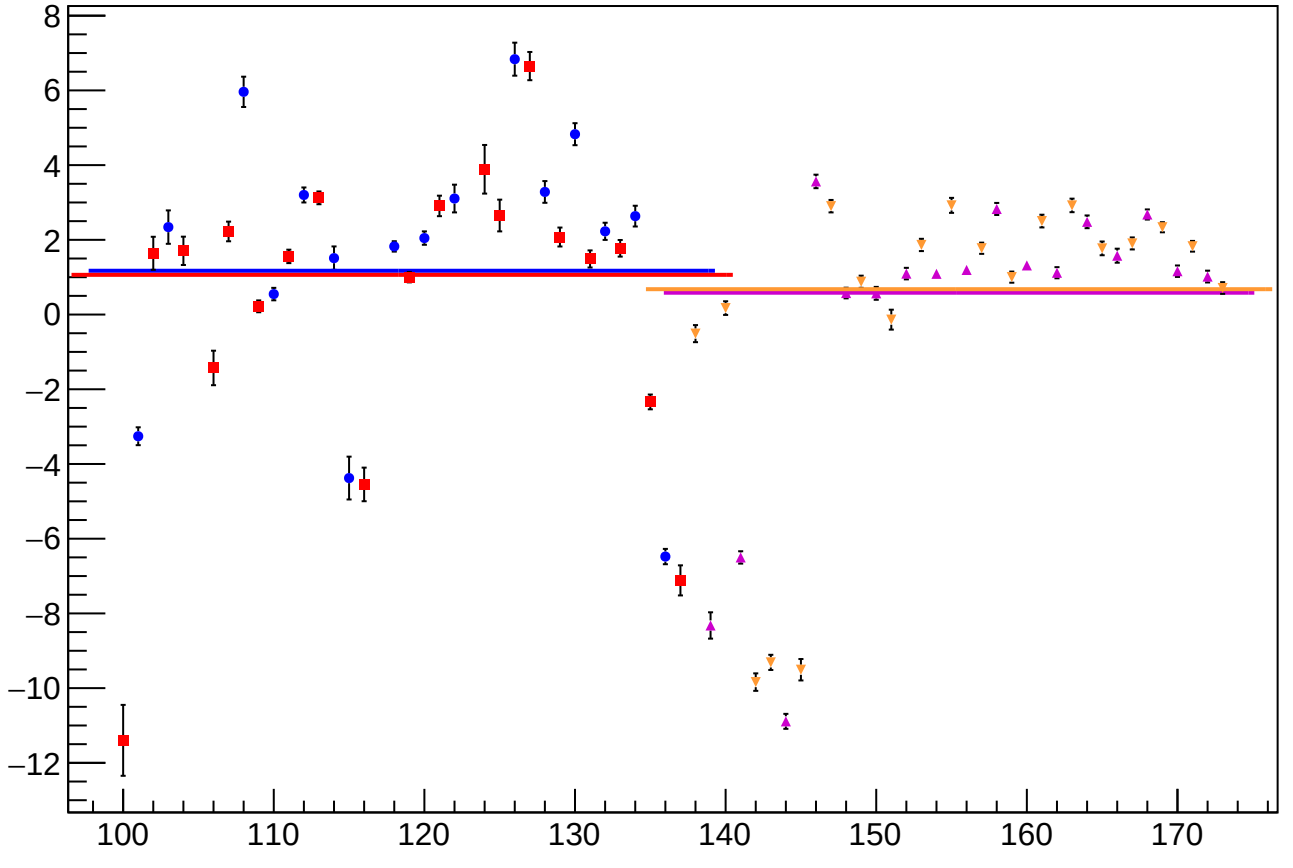
Left: 5.790+/-0.037 χ^2/NDF: 279057.8/35

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 0.282+/-0.037 χ^2/NDF:209351.2/32

Out: 1.755+/-0.035 χ^2/NDF:255601.4/37

All: 1.055+/-0.026 χ^2/NDF: 465781.1/70



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.679+/-0.040 χ^2/NDF:6740.0/18

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: 0.584+/-0.037 χ^2/NDF:6742.2/16

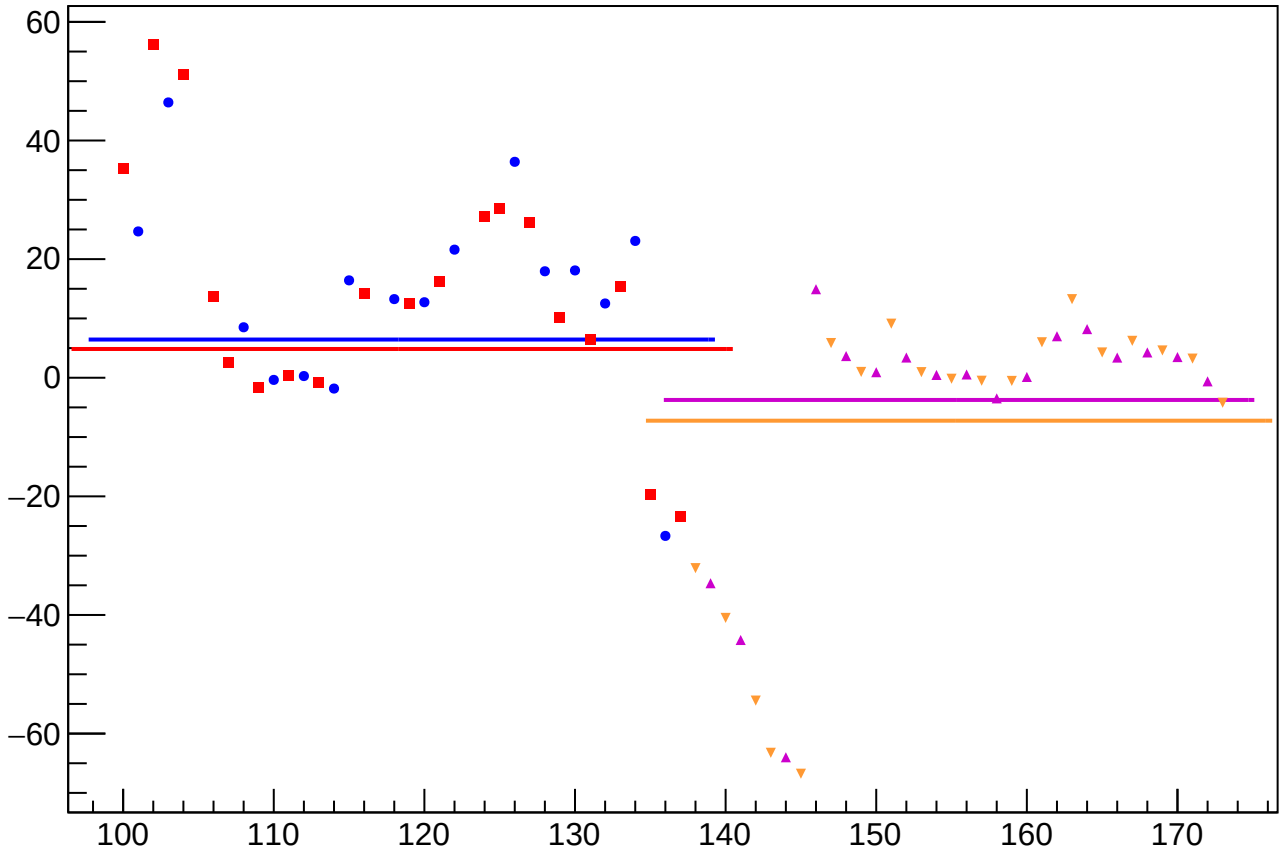
Left: 0.627+/-0.027 χ^2/NDF: 13485.2/35

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.743+/-0.031 χ^2/NDF:9396.5/32

Out: 0.807+/-0.033 χ^2/NDF:8366.9/37

All: 0.773+/-0.023 χ^2/NDF: 17765.4/70



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -7.242+/-0.054 χ^2/NDF:150592.2/18

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -3.745+/-0.049 χ^2/NDF:119240.5/16

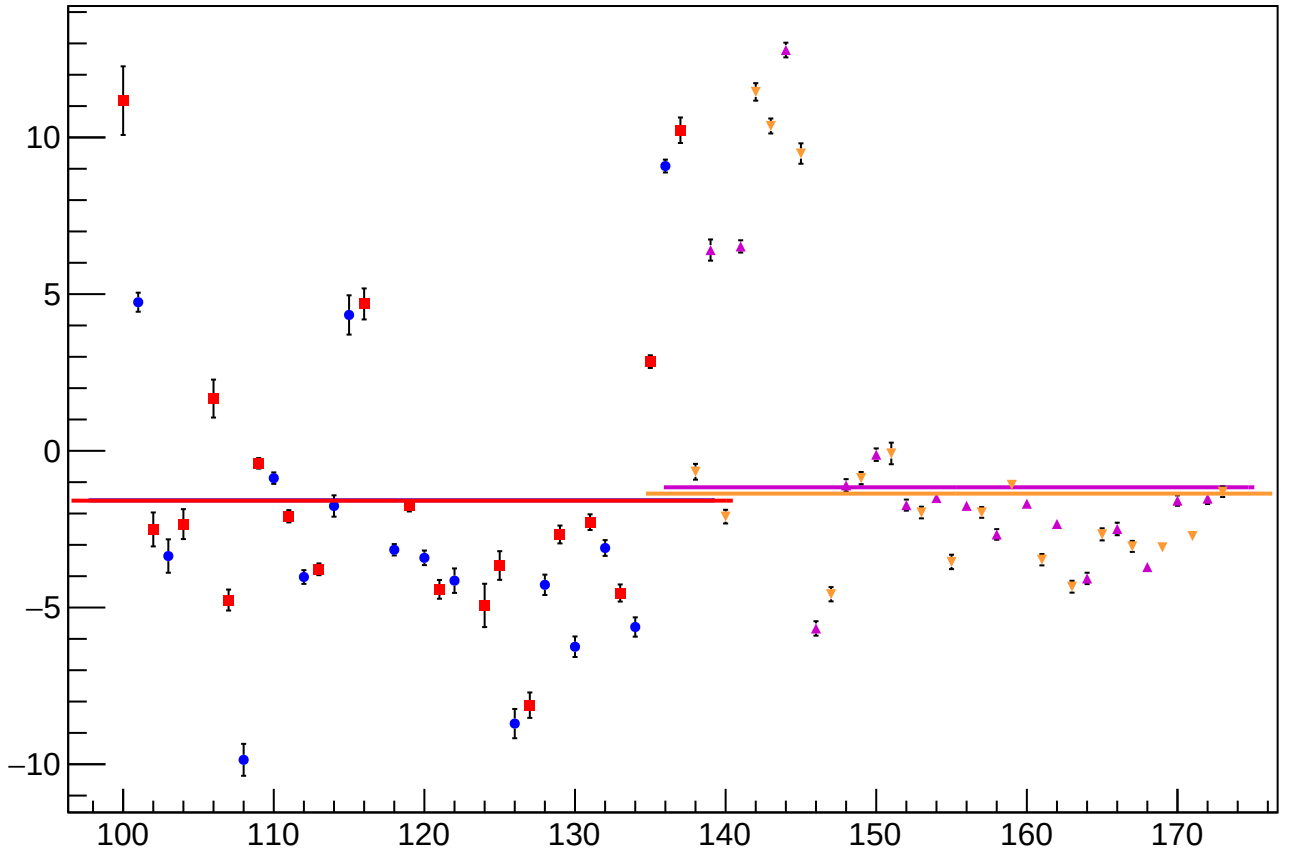
Left: -5.314+/-0.036 χ^2/NDF: 272110.9/35

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -0.036+/-0.039 χ^2/NDF:205560.9/32

Out: -1.669+/-0.040 χ^2/NDF:248526.2/37

All: -0.836+/-0.028 χ^2/NDF: 454940.6/70



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.365+/-0.045 χ^2/NDF:6707.6/18

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: -1.163+/-0.041 χ^2/NDF:6749.8/16

Left: -1.255+/-0.030 χ^2/NDF: 13468.2/35

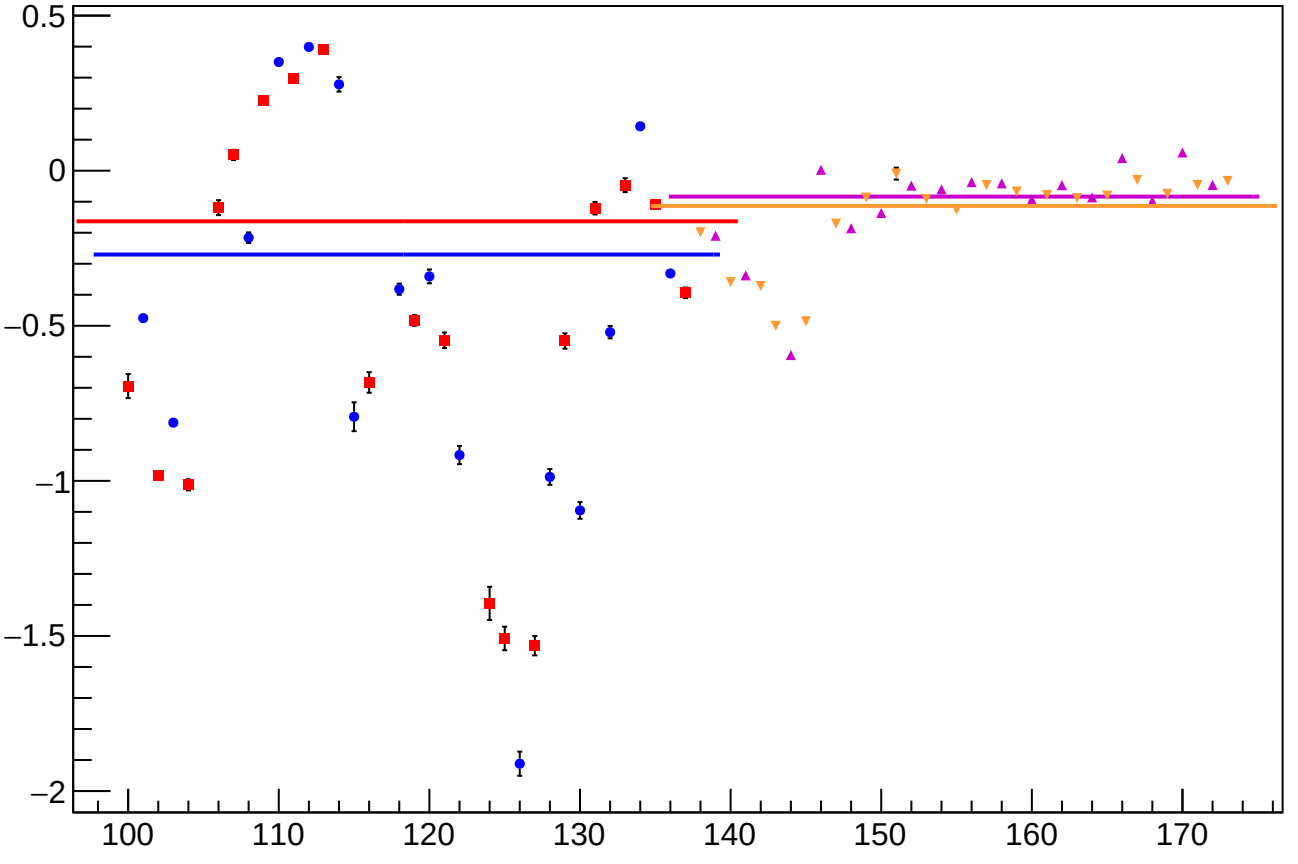
Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -1.272+/-0.035 χ^2/NDF:11300.8/32

Out: -1.439+/-0.037 χ^2/NDF:9187.9/37

All: -1.352+/-0.026 χ^2/NDF: 20499.3/70

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.114+/-0.002 χ^2/NDF:3473.9/18

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.084+/-0.002 χ^2/NDF:3667.3/16

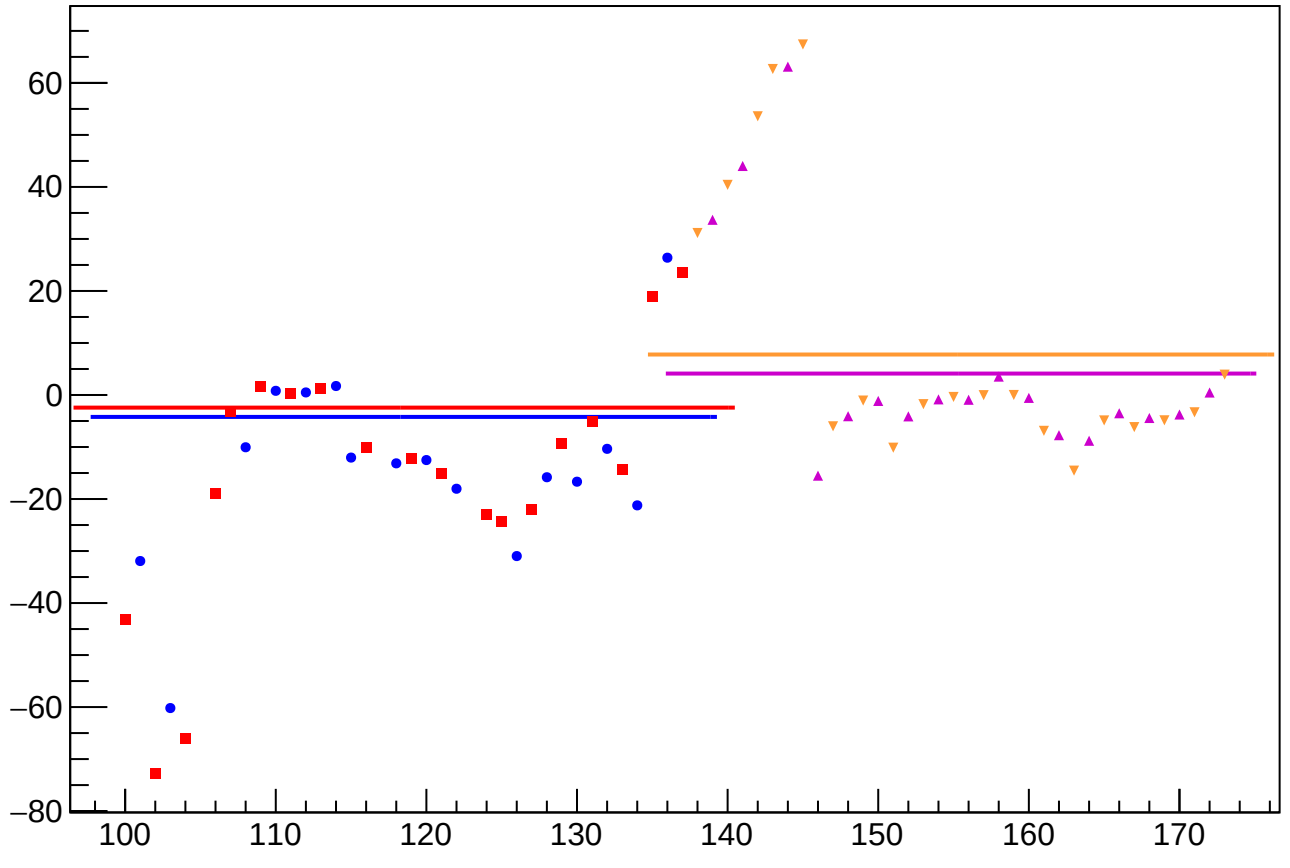
Left: -0.097+/-0.001 χ^2/NDF: 7269.7/35

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.112+/-0.002 χ^2/NDF:17433.5/32

Out: -0.124+/-0.002 χ^2/NDF:19119.0/37

All: -0.118+/-0.001 χ^2/NDF: 36578.9/70



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 7.782+/-0.056 χ^2/NDF:155318.4/18

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 4.119+/-0.051 χ^2/NDF:121864.4/16

Left: 5.790+/-0.037 χ^2/NDF: 279549.4/35

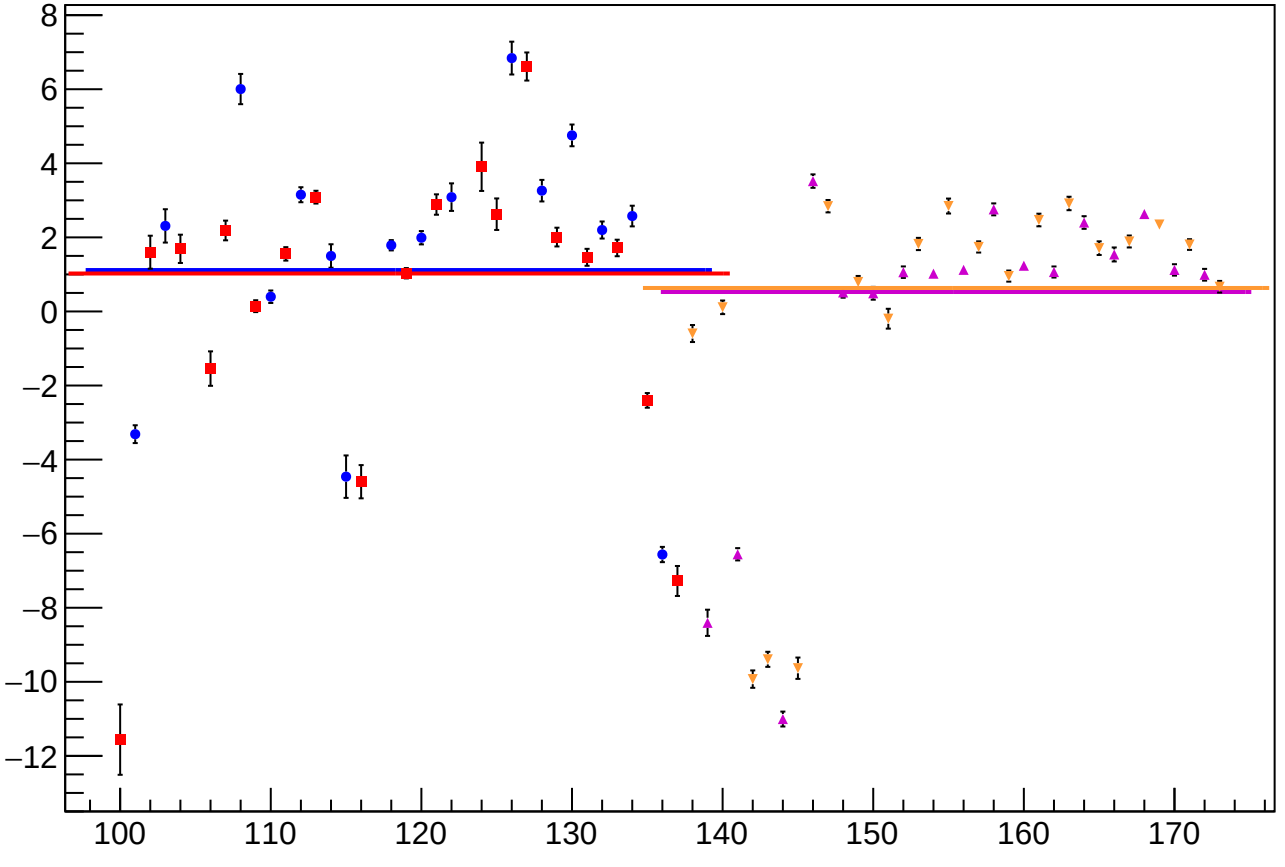
Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 0.257+/-0.037 χ^2/NDF:209529.1/32

Out: 1.747+/-0.036 χ^2/NDF:256027.6/37

All: 1.038+/-0.026 χ^2/NDF: 466395.4/70

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.634+/-0.040 χ^2/NDF:6762.0/18

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: 0.525+/-0.037 χ^2/NDF:6721.6/16

Left: 0.574+/-0.027 χ^2/NDF: 13487.6/35

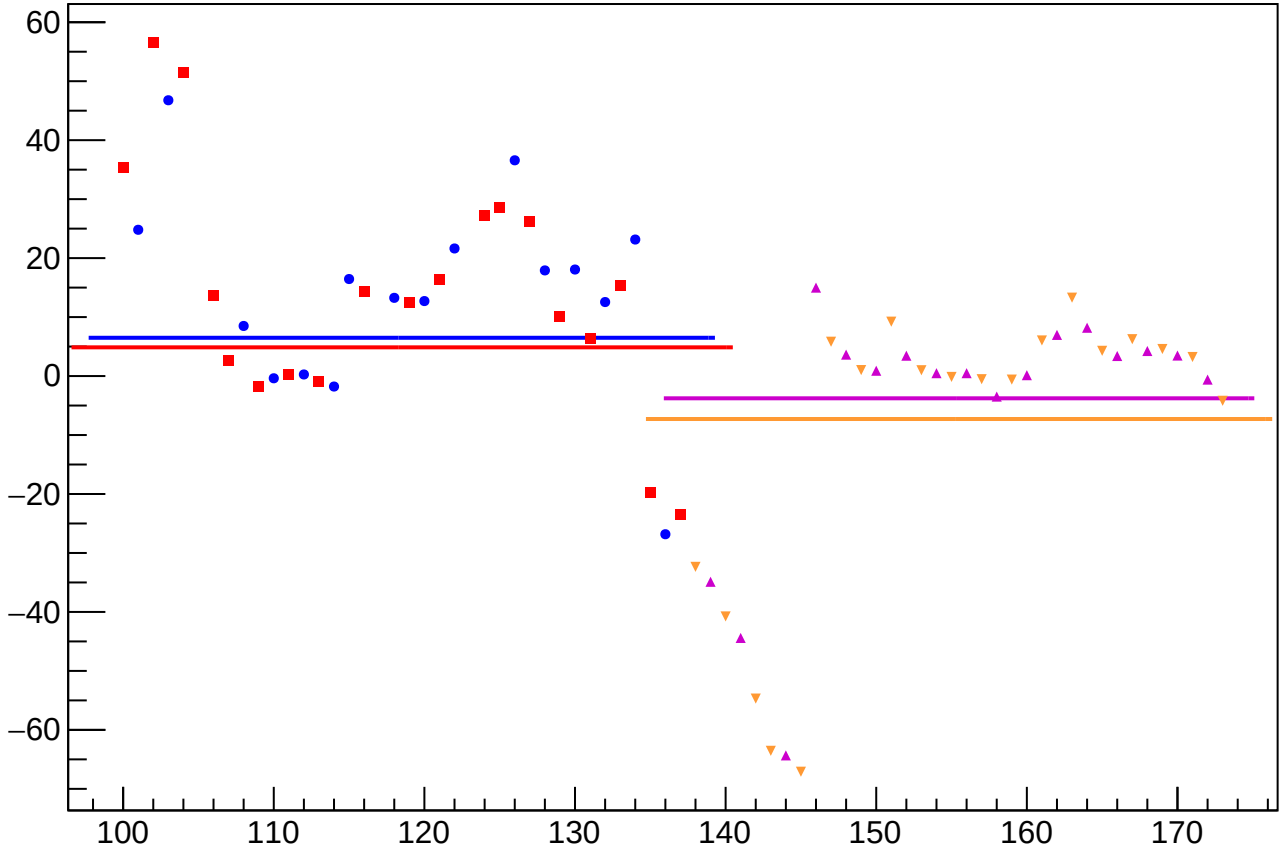
Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.685+/-0.031 χ^2/NDF:9383.7/32

Out: 0.764+/-0.033 χ^2/NDF:8405.2/37

All: 0.722+/-0.023 χ^2/NDF: 17791.9/70

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -7.283+/-0.055 χ^2/NDF:150961.6/18

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -3.774+/-0.049 χ^2/NDF:119372.5/16

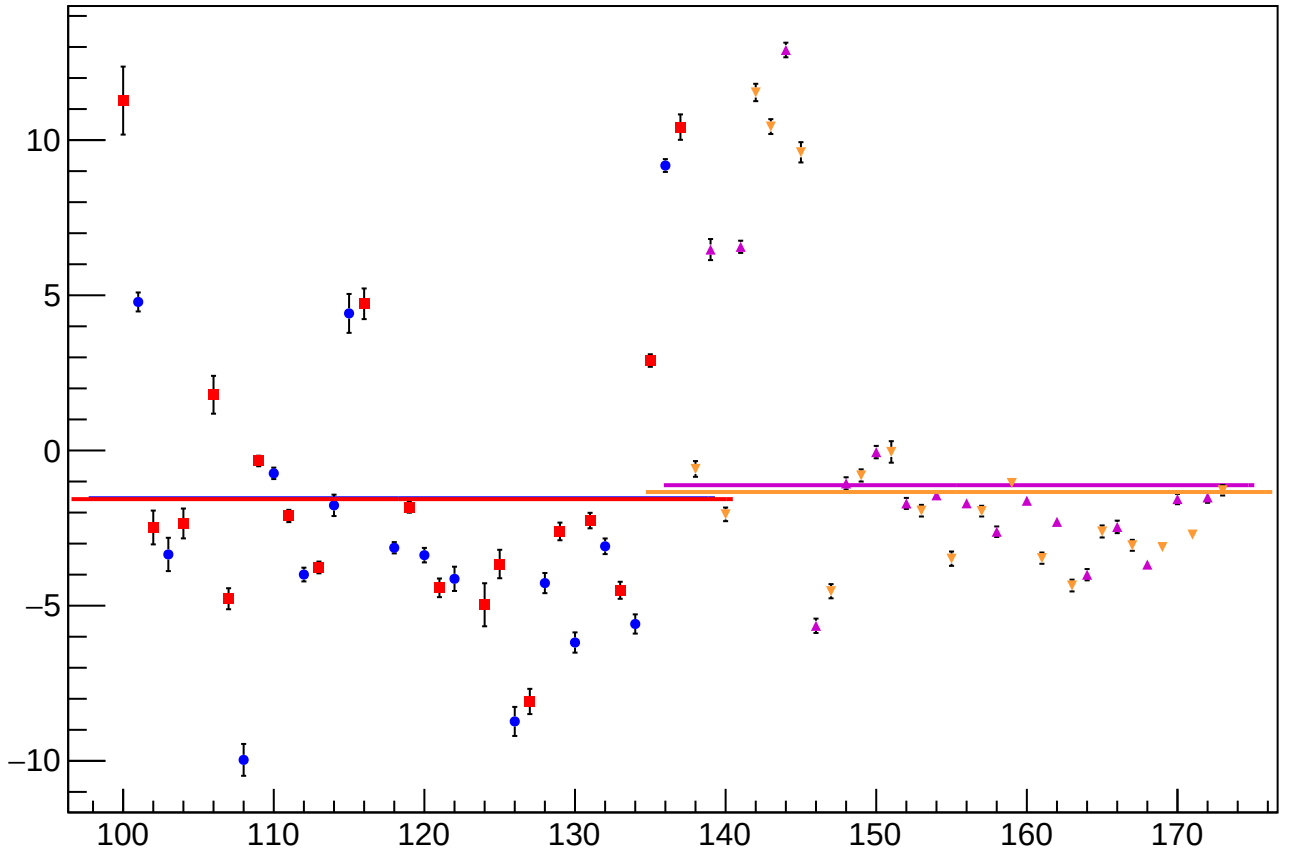
Left: -5.348+/-0.037 χ^2/NDF: 272611.1/35

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -0.046+/-0.039 χ^2/NDF:205774.5/32

Out: -1.696+/-0.040 χ^2/NDF:248991.6/37

All: -0.854+/-0.028 χ^2/NDF: 455628.3/70



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -1.338+/-0.045 χ^2/NDF:6732.6/18

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: -1.118+/-0.041 χ^2/NDF:6734.1/16

Left: -1.218+/-0.031 χ^2/NDF: 13479.5/35

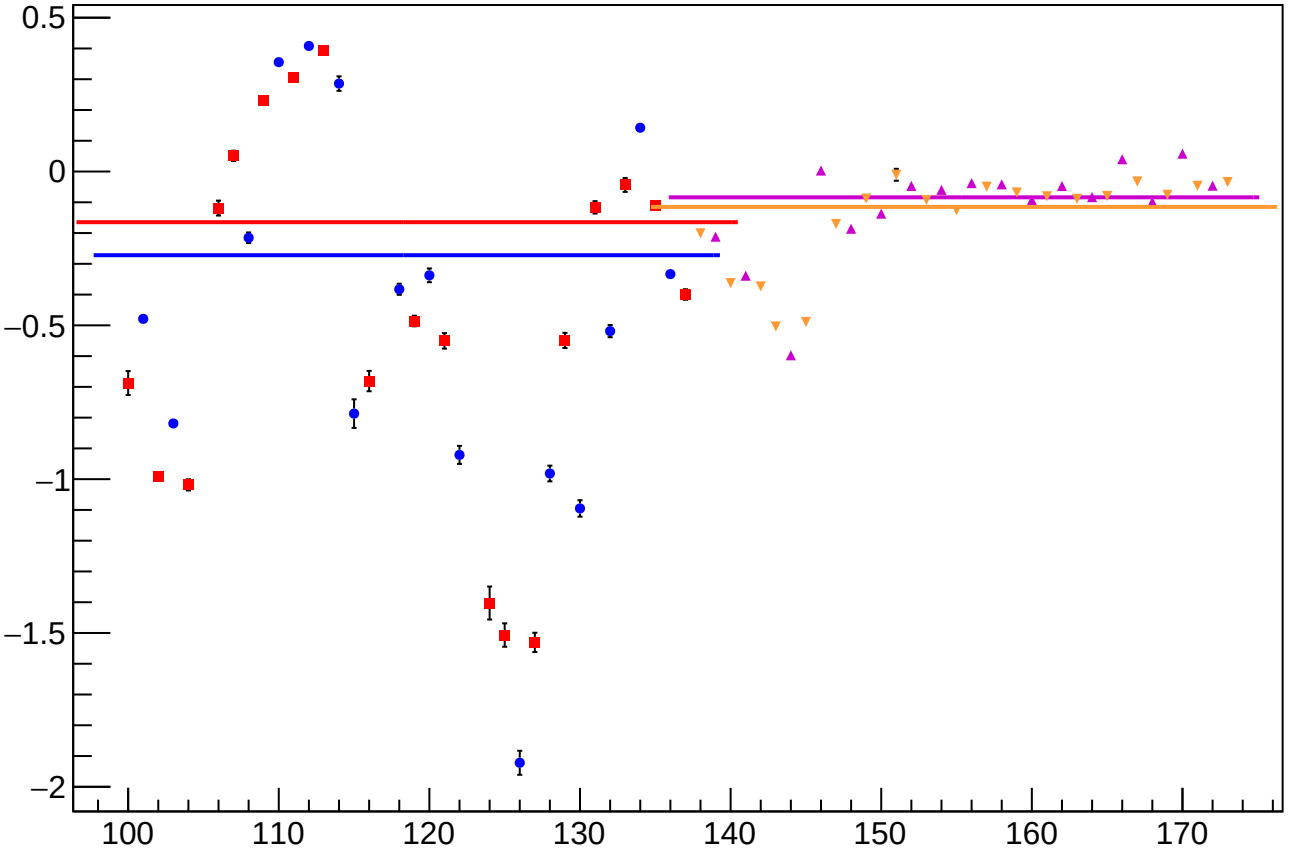
Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -1.228+/-0.036 χ^2/NDF:11297.1/32

Out: -1.414+/-0.037 χ^2/NDF:9238.0/37

All: -1.317+/-0.026 χ^2/NDF: 20548.2/70

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.115+/-0.002 χ^2/NDF:3473.3/18

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.084+/-0.002 χ^2/NDF:3663.9/16

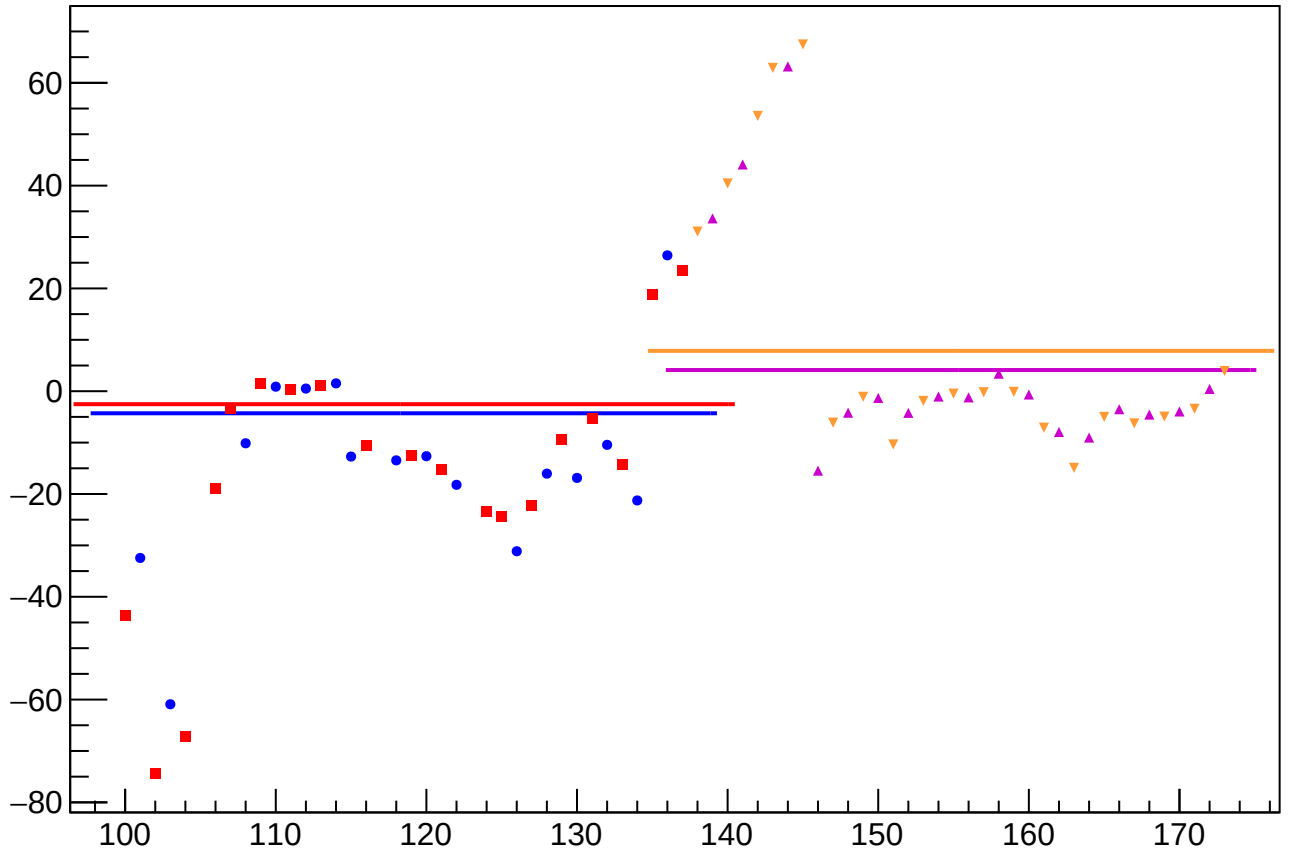
Left: -0.097+/-0.001 χ^2/NDF: 7275.1/35

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.112+/-0.002 χ^2/NDF:17466.5/32

Out: -0.126+/-0.002 χ^2/NDF:19097.9/37

All: -0.118+/-0.001 χ^2/NDF: 36595.2/70



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 7.850+/-0.056 χ^2/NDF:153055.7/18

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 4.120+/-0.052 χ^2/NDF:119955.1/16

Left: 5.829+/-0.038 χ^2/NDF: 275379.2/35

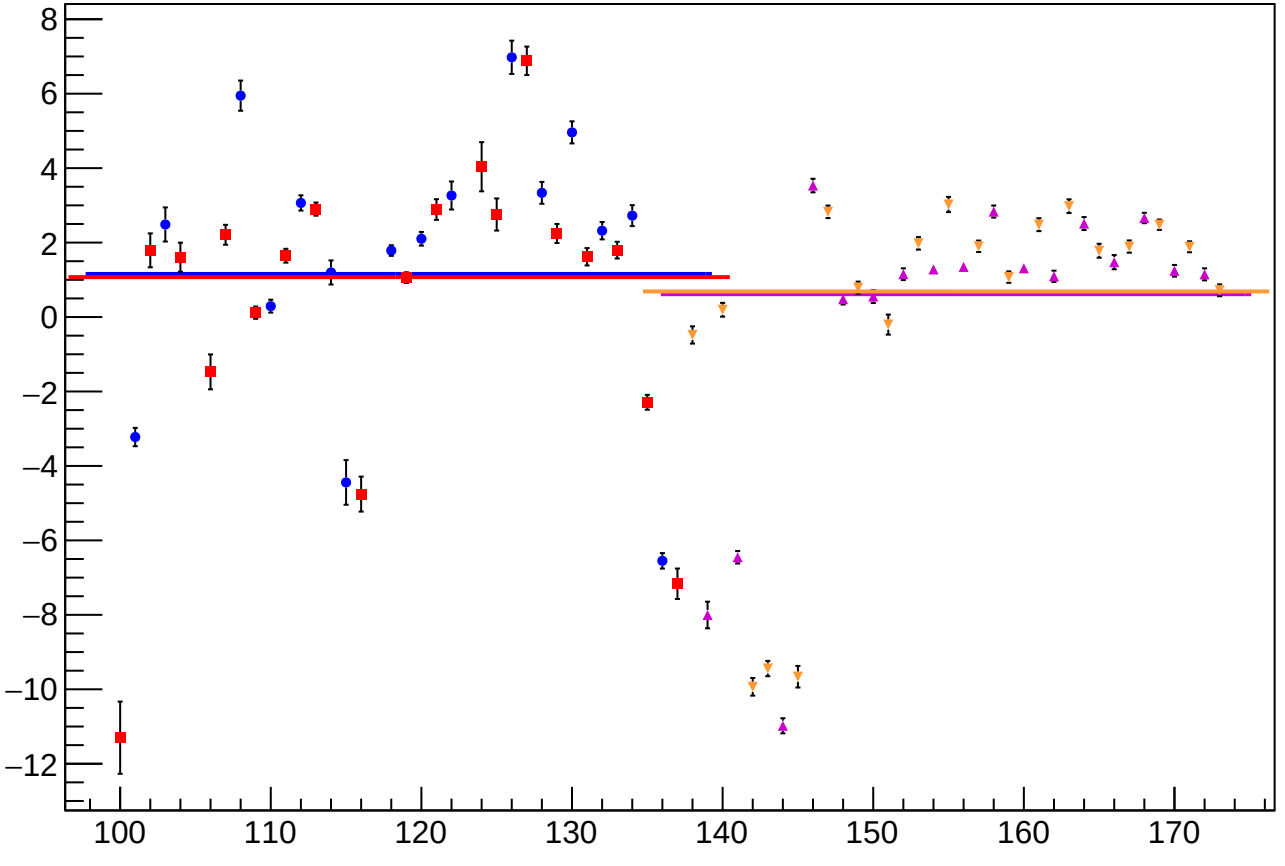
Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 0.213+/-0.038 χ^2/NDF:206389.7/32

Out: 1.750+/-0.036 χ^2/NDF:252821.6/37

All: 1.018+/-0.026 χ^2/NDF: 460069.2/70

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.687+/-0.041 χ^2/NDF:6743.7/18

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: 0.614+/-0.037 χ^2/NDF:6565.5/16

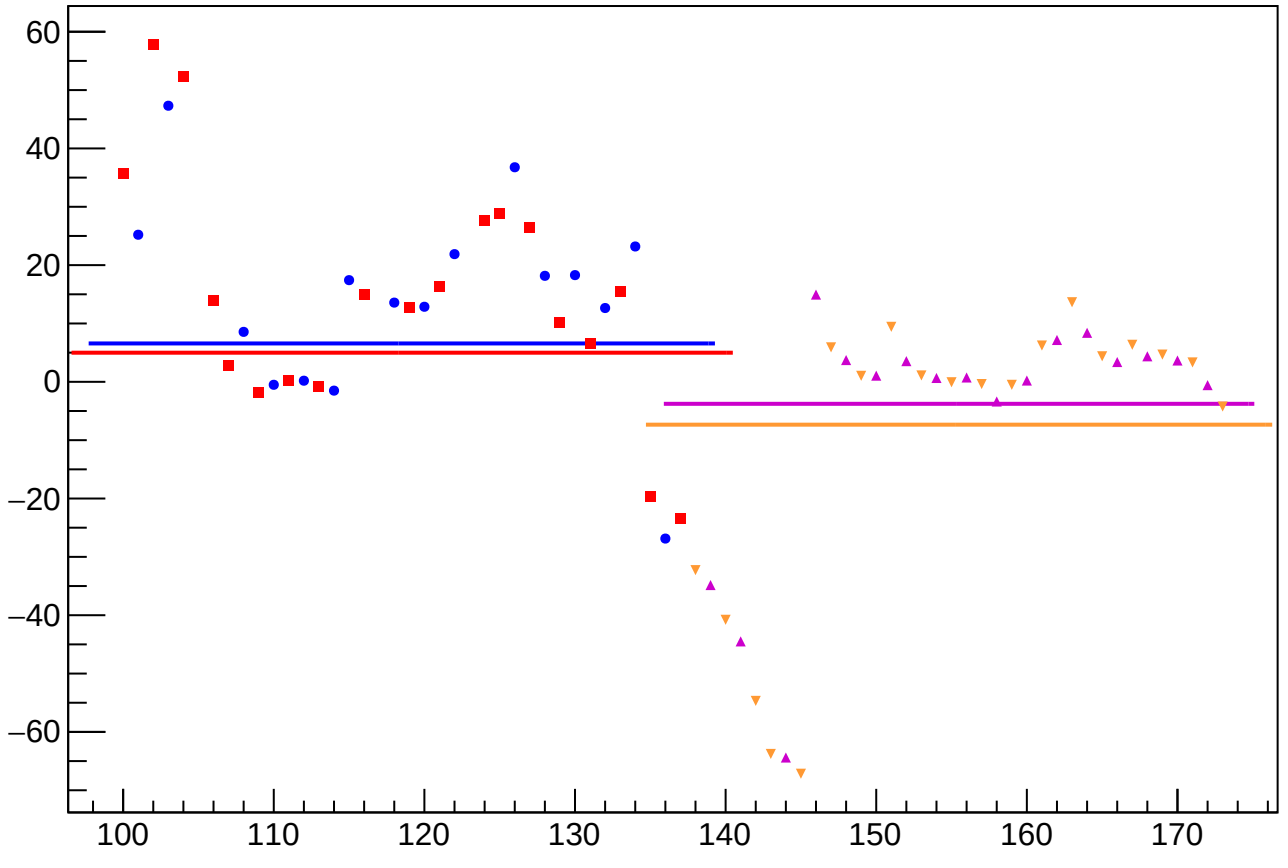
Left: 0.647+/-0.028 χ^2/NDF: 13311.0/35

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.761+/-0.032 χ^2/NDF:9172.5/32

Out: 0.815+/-0.034 χ^2/NDF:8324.2/37

All: 0.786+/-0.023 χ^2/NDF: 17498.1/70



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -7.343+/-0.055 χ^2/NDF:148765.4/18

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -3.769+/-0.050 χ^2/NDF:117485.0/16

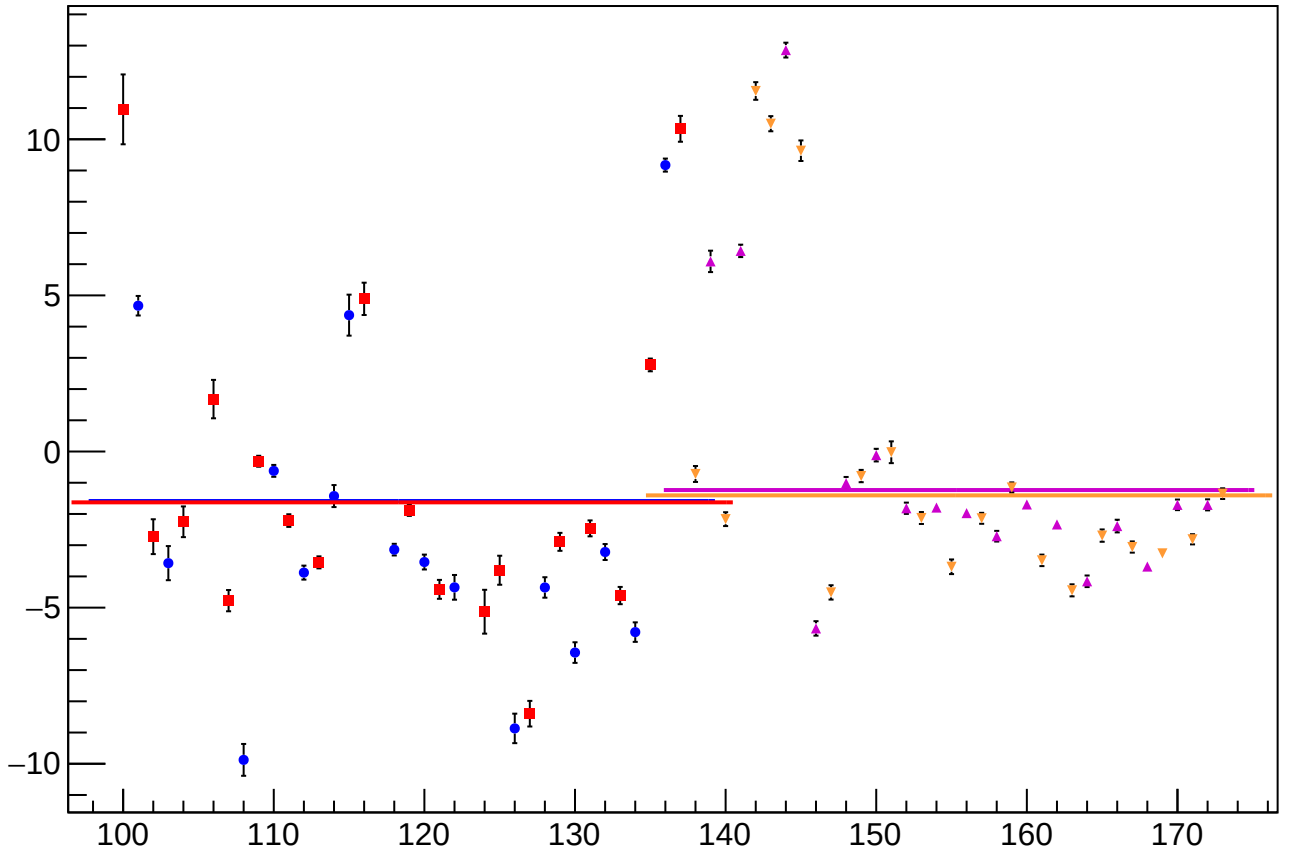
Left: -5.380+/-0.037 χ^2/NDF: 268528.2/35

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: 0.001+/-0.040 χ^2/NDF:202654.2/32

Out: -1.699+/-0.041 χ^2/NDF:245833.9/37

All: -0.832+/-0.029 χ^2/NDF: 449369.6/70



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -1.404+/-0.046 χ^2/NDF:6710.8/18

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: -1.234+/-0.042 χ^2/NDF:6567.2/16

Left: -1.311+/-0.031 χ^2/NDF: 13285.4/35

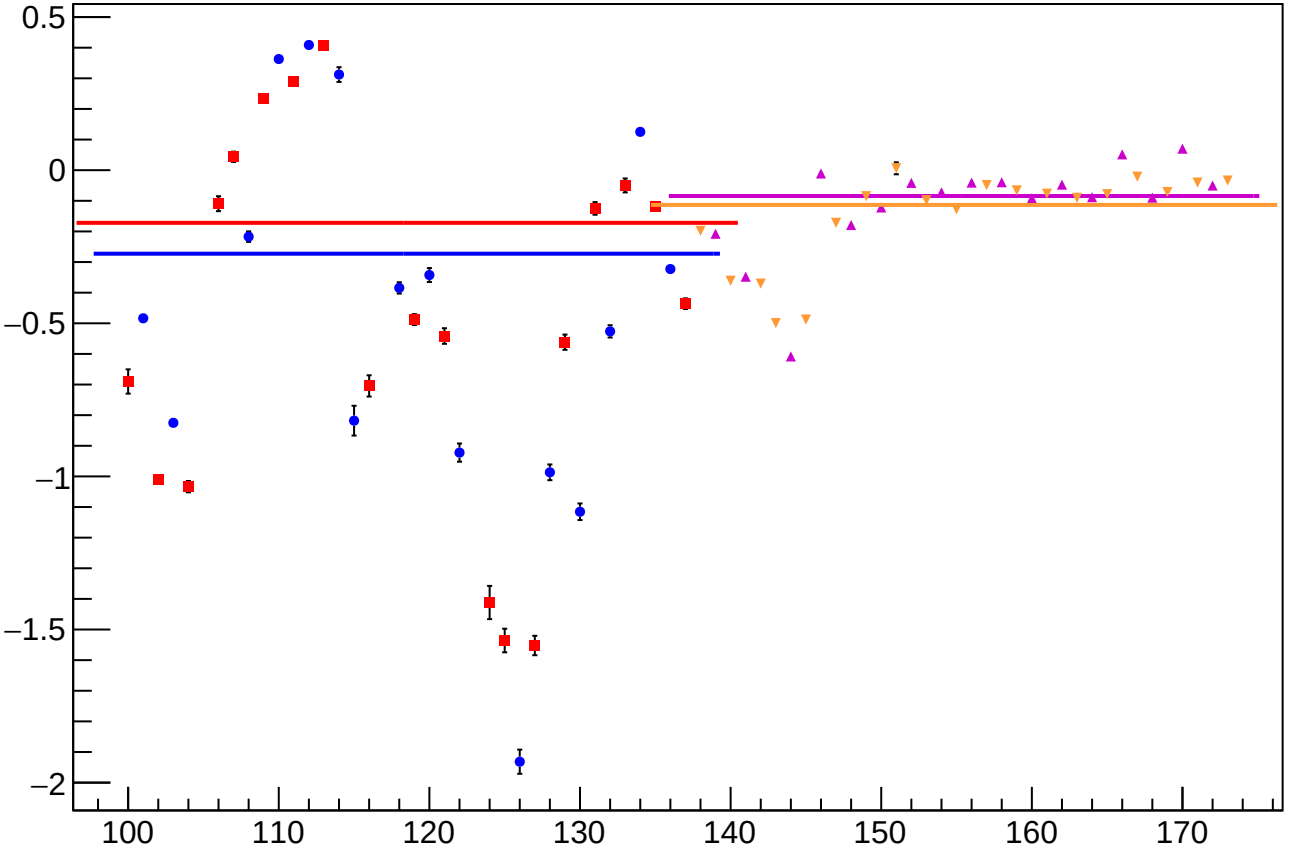
Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -1.326+/-0.036 χ^2/NDF:11058.1/32

Out: -1.478+/-0.038 χ^2/NDF:9140.7/37

All: -1.399+/-0.026 χ^2/NDF: 20207.2/70

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.113+/-0.002 χ^2/NDF:3428.9/18

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.084+/-0.002 χ^2/NDF:3718.5/16

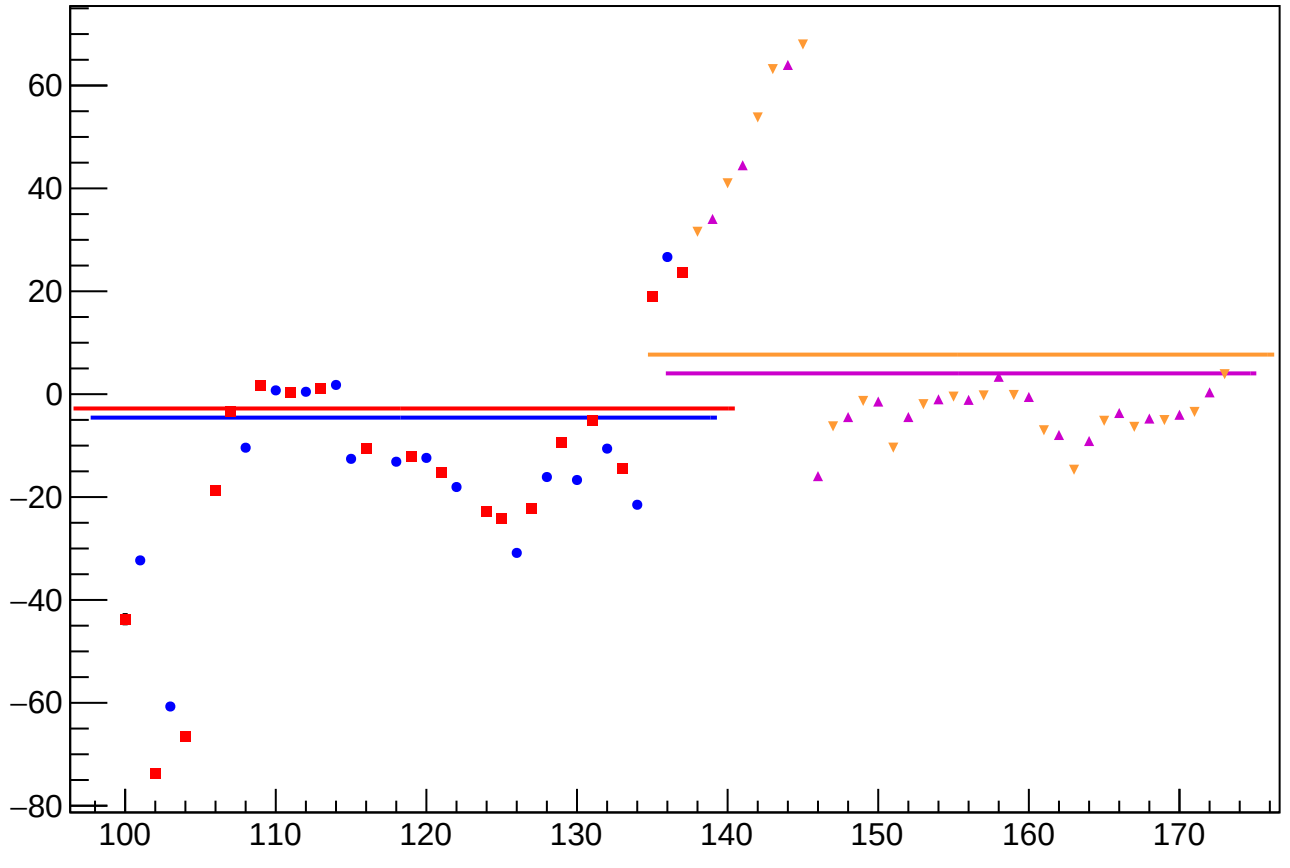
Left: -0.097+/-0.001 χ^2/NDF: 7262.5/35

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.113+/-0.002 χ^2/NDF:17259.5/32

Out: -0.126+/-0.002 χ^2/NDF:18931.2/37

All: -0.119+/-0.001 χ^2/NDF: 36218.0/70



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 7.692+/-0.057 χ^2/NDF:151179.0/18

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 4.039+/-0.053 χ^2/NDF:118697.8/16

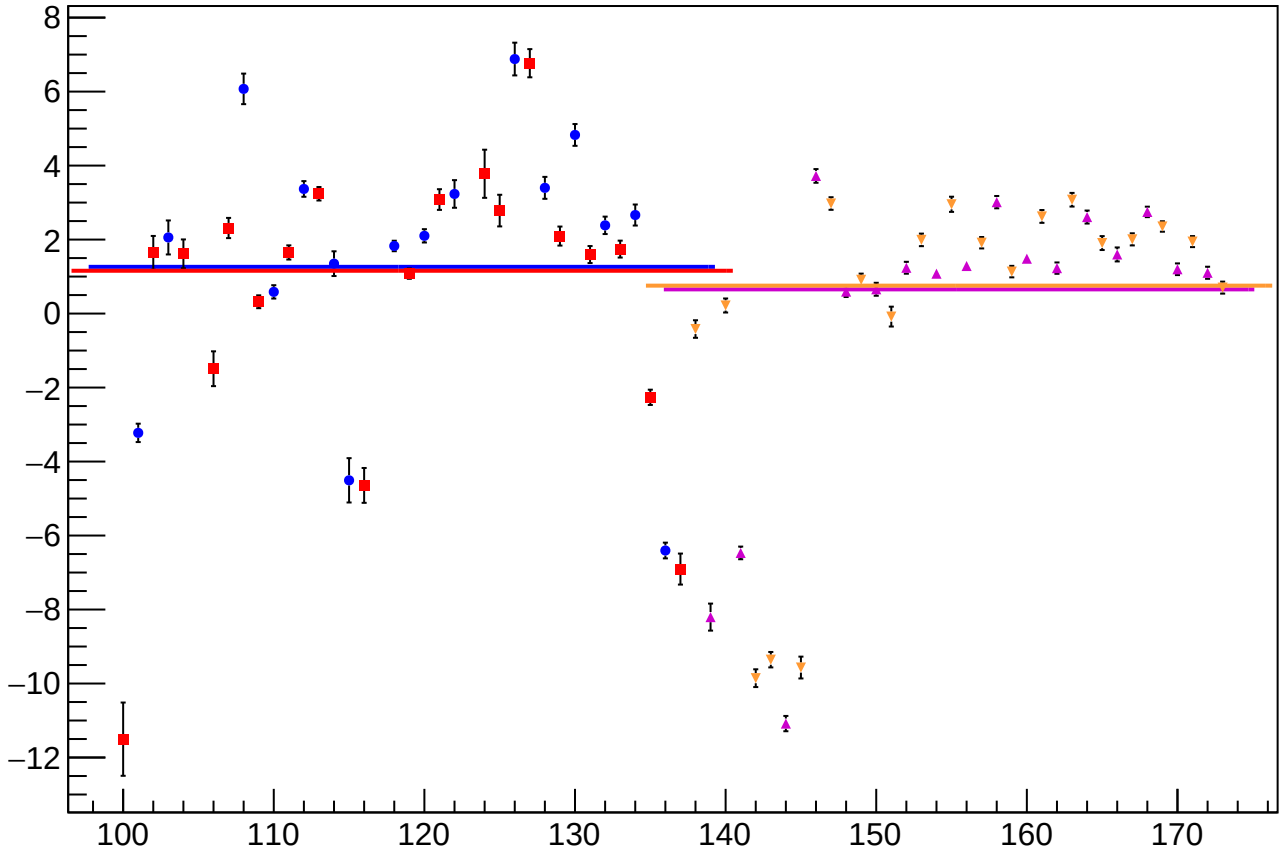
Left: 5.718+/-0.039 χ^2/NDF: 272095.2/35

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: 0.073+/-0.039 χ^2/NDF:203670.1/32

Out: 1.619+/-0.037 χ^2/NDF:248657.4/37

All: 0.879+/-0.027 χ^2/NDF: 453164.5/70



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.755+/-0.041 χ^2/NDF:6530.3/18

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: 0.654+/-0.038 χ^2/NDF:6518.6/16

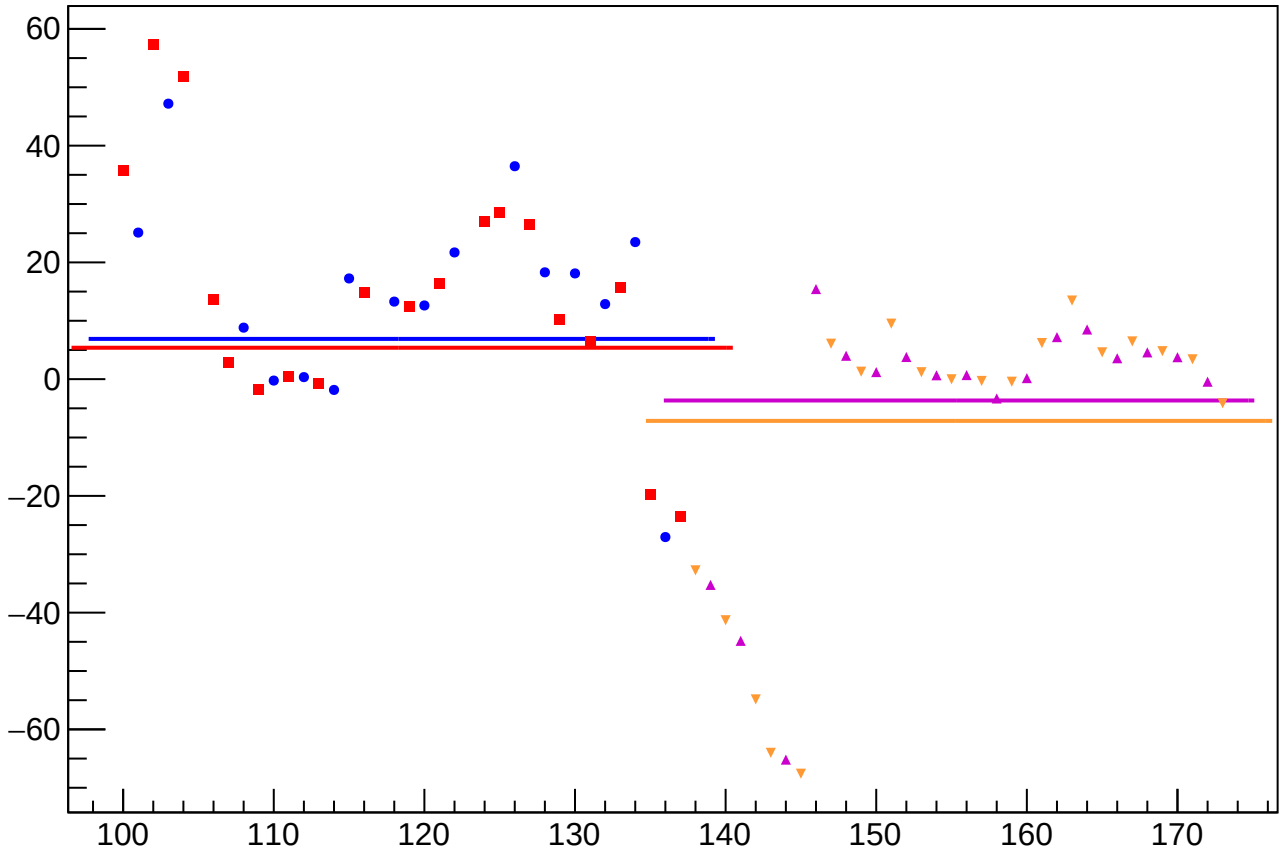
Left: 0.700+/-0.028 χ^2/NDF: 13052.2/35

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.820+/-0.032 χ^2/NDF:9032.7/32

Out: 0.887+/-0.034 χ^2/NDF:8051.9/37

All: 0.852+/-0.023 χ^2/NDF: 17086.7/70



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -7.152+/-0.056 χ^2/NDF:146809.9/18

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -3.658+/-0.051 χ^2/NDF:116205.4/16

Left: -5.238+/-0.038 χ^2/NDF: 265143.6/35

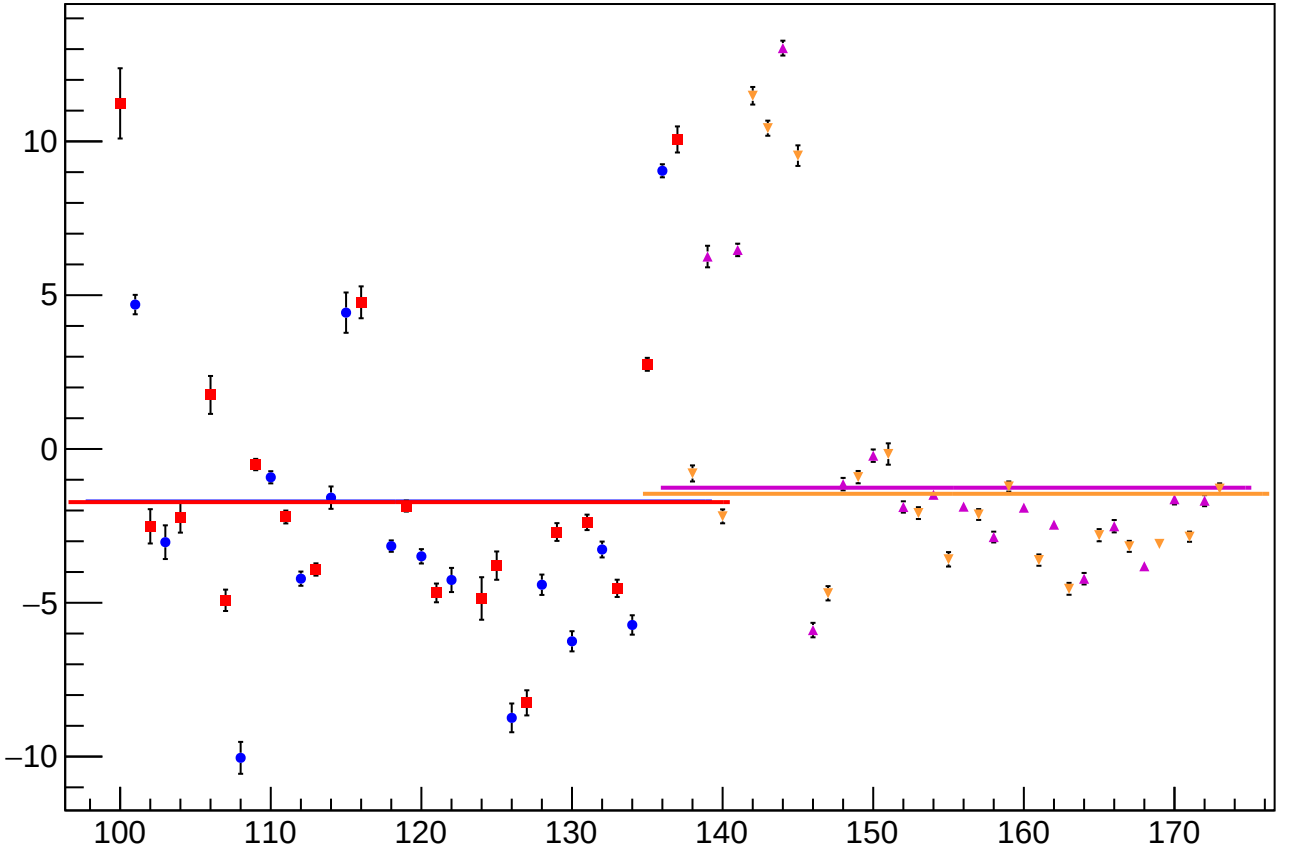
Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: 0.182+/-0.041 χ^2/NDF:199862.9/32

Out: -1.484+/-0.041 χ^2/NDF:241650.7/37

All: -0.634+/-0.029 χ^2/NDF: 442336.6/70

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -1.457+/-0.047 χ^2/NDF:6510.6/18

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: -1.259+/-0.043 χ^2/NDF:6552.0/16

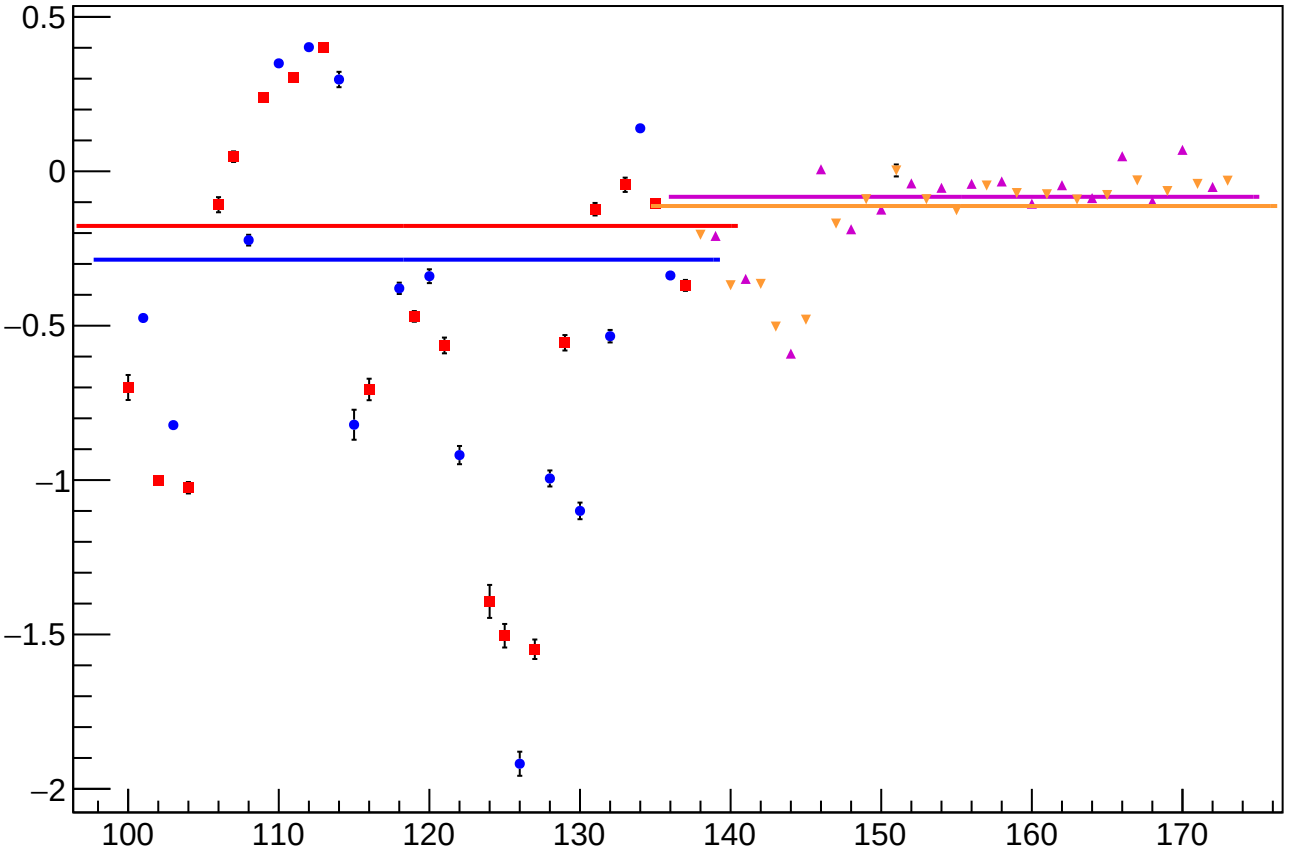
Left: -1.350+/-0.032 χ^2/NDF: 13072.3/35

Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -1.377+/-0.037 χ^2/NDF:10870.7/32

Out: -1.545+/-0.038 χ^2/NDF:8831.2/37

All: -1.458+/-0.027 χ^2/NDF: 19711.9/70



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.112+/-0.002 χ^2/NDF:3364.3/18

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.083+/-0.002 χ^2/NDF:3584.6/16

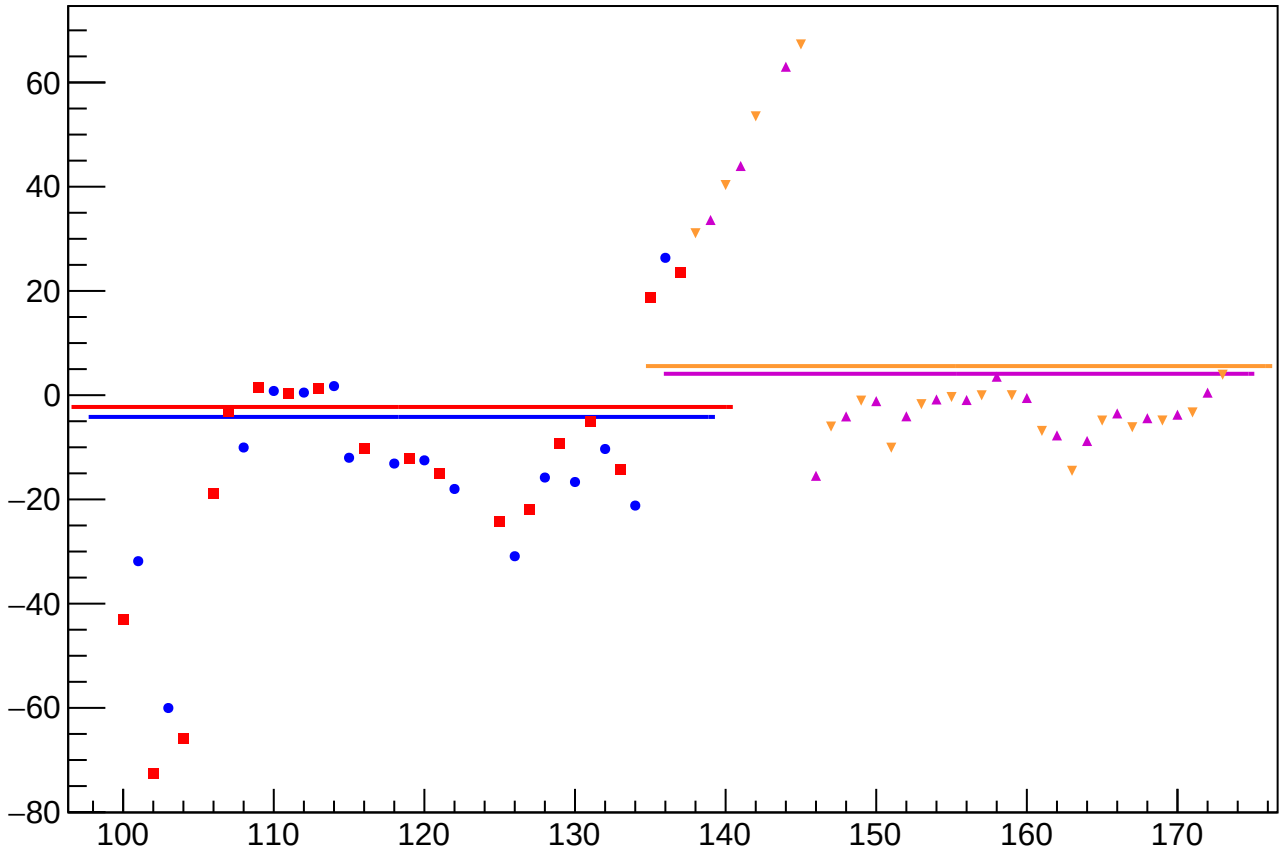
Left: -0.096+/-0.001 χ^2/NDF: 7067.8/35

Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.114+/-0.002 χ^2/NDF:16861.3/32

Out: -0.126+/-0.002 χ^2/NDF:18342.3/37

All: -0.119+/-0.001 χ^2/NDF: 35227.9/70



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 5.582+/-0.056 χ^2/NDF:116464.9/17

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 4.104+/-0.051 χ^2/NDF:122109.4/16

Left: 4.763+/-0.038 χ^2/NDF: 238954.1/34

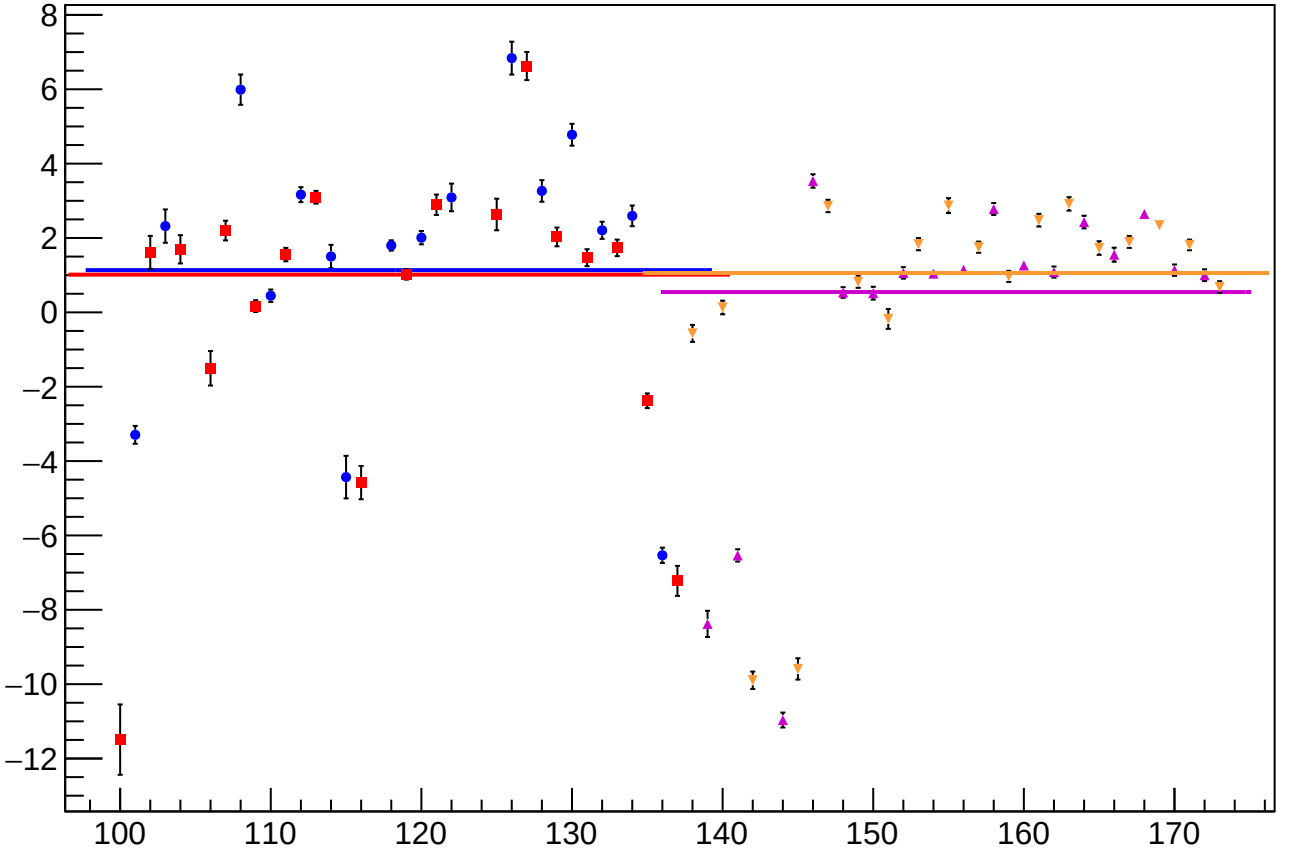
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 0.265+/-0.037 χ^2/NDF:209893.3/32

Out: 0.873+/-0.036 χ^2/NDF:207686.5/35

All: 0.580+/-0.026 χ^2/NDF: 417719.5/68

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 1.058+/-0.041 χ^2/NDF:4237.6/17

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.546+/-0.037 χ^2/NDF:6742.9/16

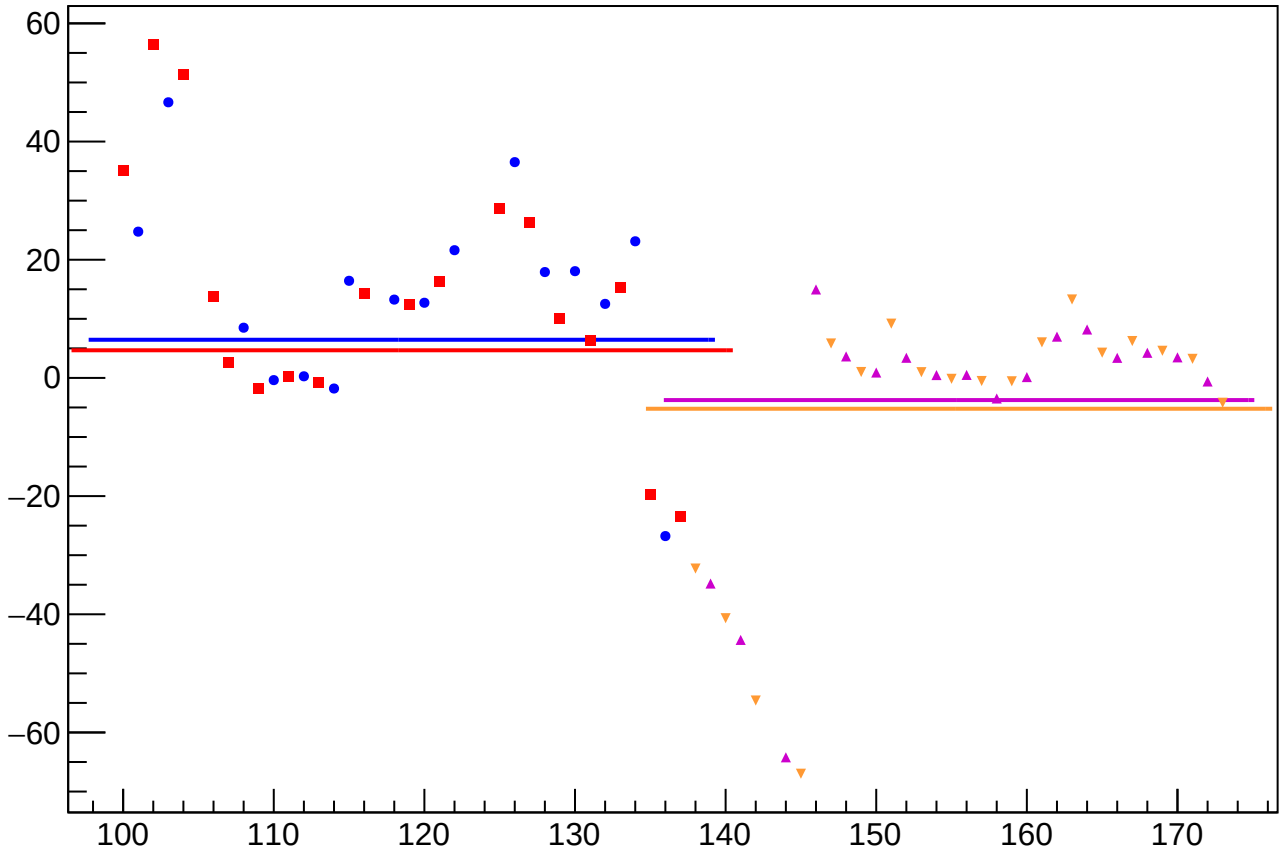
Left: 0.773+/-0.027 χ^2/NDF: 11067.5/34

Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.705+/-0.031 χ^2/NDF:9408.6/32

Out: 1.043+/-0.033 χ^2/NDF:5831.0/35

All: 0.863+/-0.023 χ^2/NDF: 15294.6/68



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -5.217+/-0.055 χ^2/NDF:112499.3/17

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -3.748+/-0.049 χ^2/NDF:119604.4/16

Left: -4.394+/-0.037 χ^2/NDF: 232497.5/34

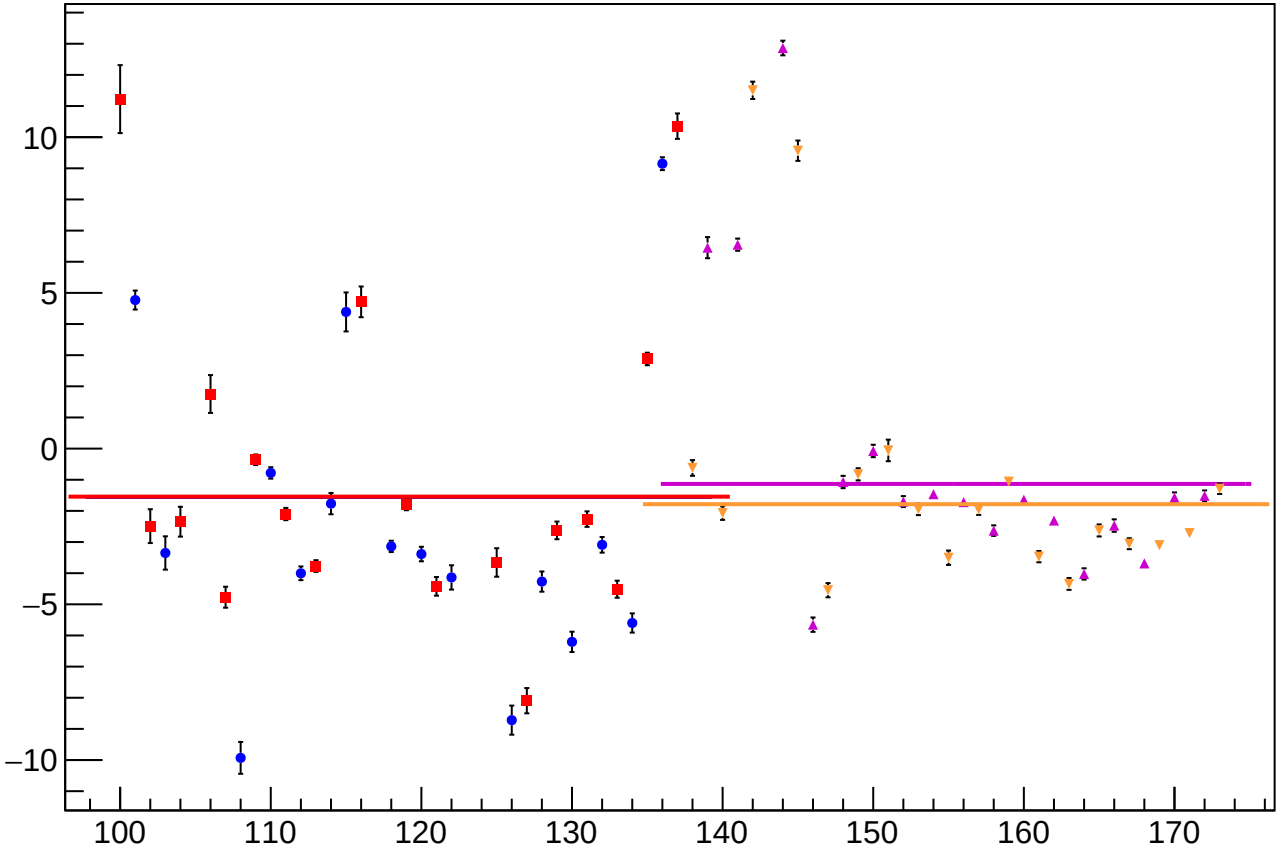
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: -0.042+/-0.039 χ^2/NDF:206118.8/32

Out: -0.587+/-0.040 χ^2/NDF:201832.0/35

All: -0.306+/-0.028 χ^2/NDF: 408044.7/68

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: -1.785+/-0.046 χ^2/NDF:4233.2/17

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -1.134+/-0.041 χ^2/NDF:6753.6/16

Left: -1.423+/-0.031 χ^2/NDF: 11097.3/34

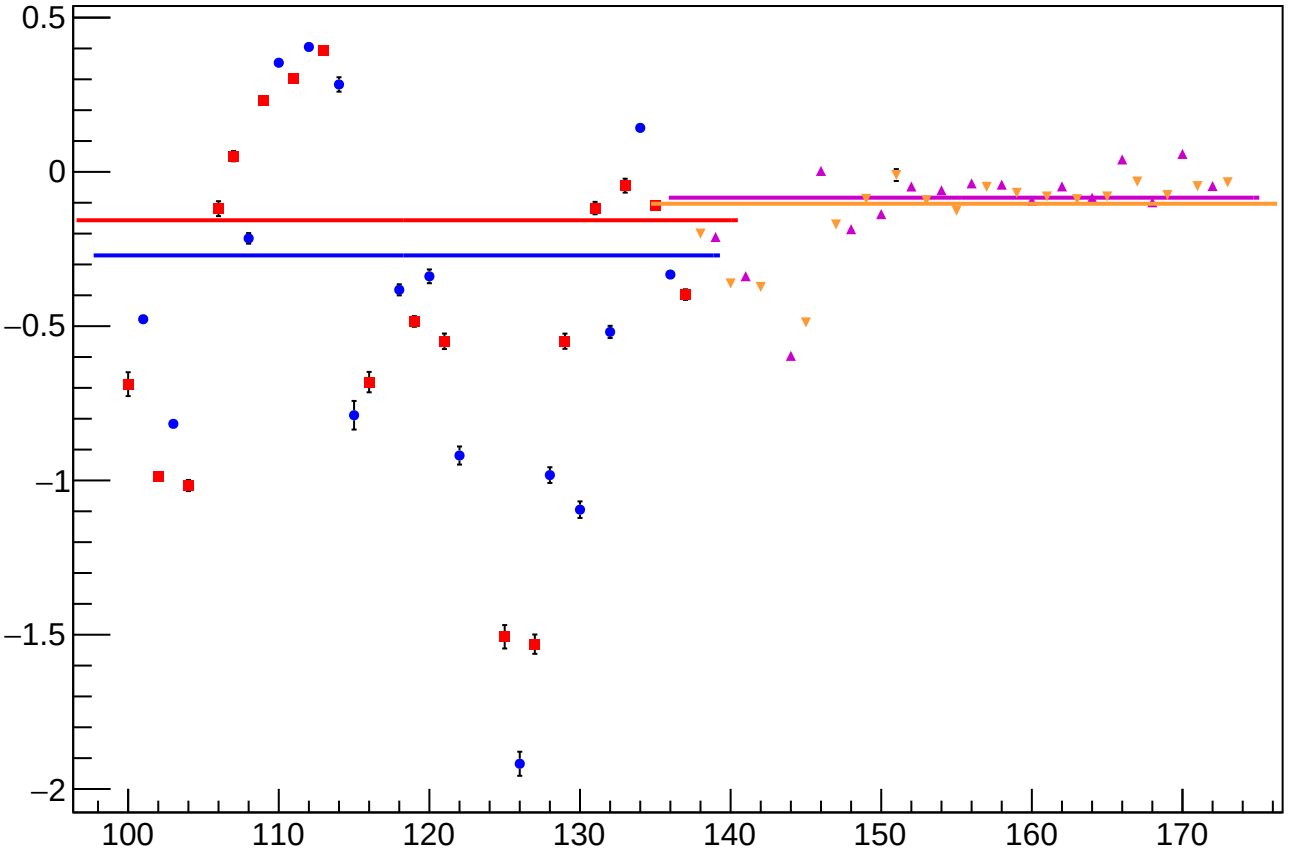
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -1.244+/-0.035 χ^2/NDF:11324.0/32

Out: -1.703+/-0.038 χ^2/NDF:6715.5/35

All: -1.460+/-0.026 χ^2/NDF: 18118.7/68

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: -0.103+/-0.002 χ^2/NDF:2376.8/17

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.084+/-0.002 χ^2/NDF:3673.4/16

Left: -0.092+/-0.001 χ^2/NDF: 6104.6/34

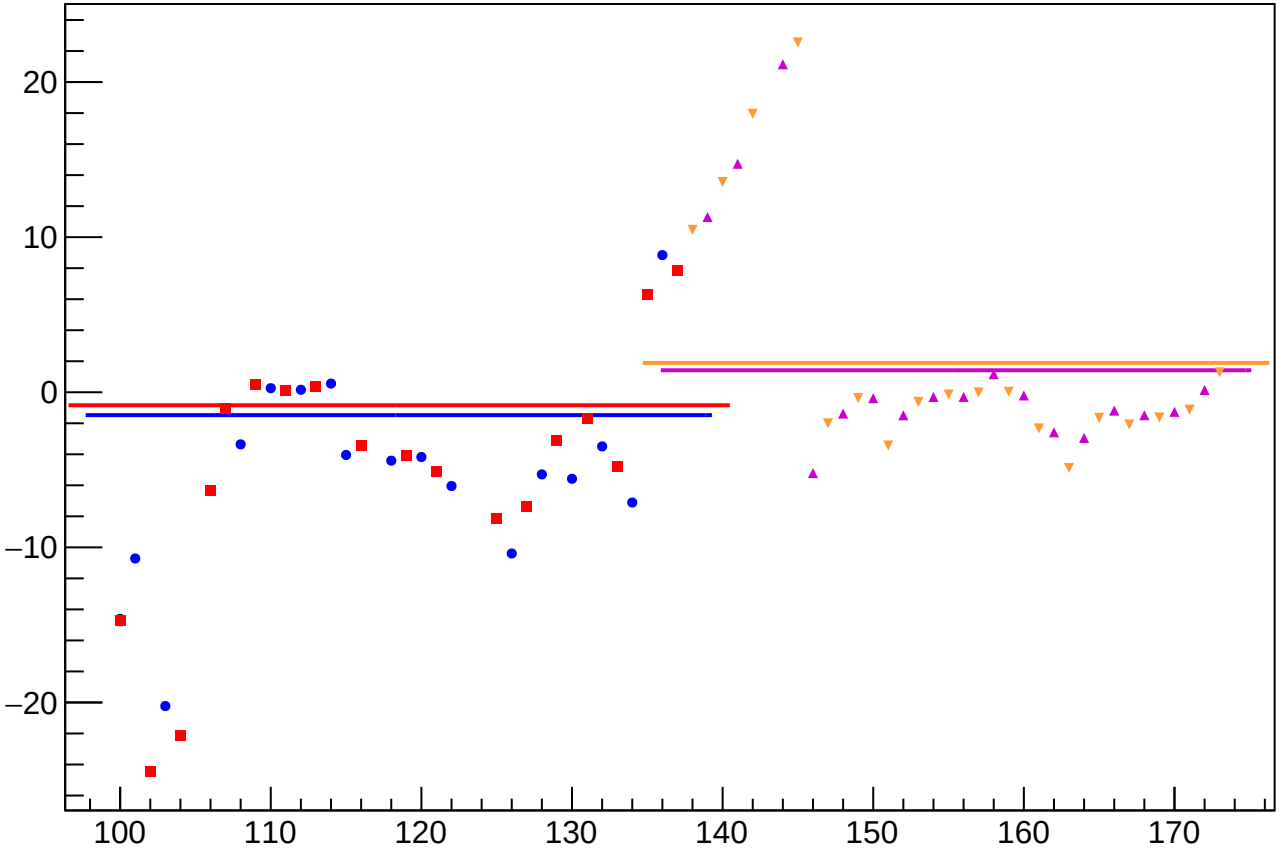
Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.112+/-0.002 χ^2/NDF:17501.2/32

Out: -0.115+/-0.002 χ^2/NDF:17551.4/35

All: -0.113+/-0.001 χ^2/NDF: 35054.1/68

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 1.891+/-0.019 χ^2/NDF:114455.8/17

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 1.418+/-0.017 χ^2/NDF:119514.0/16

Left: 1.630+/-0.013 χ^2/NDF: 234302.2/34

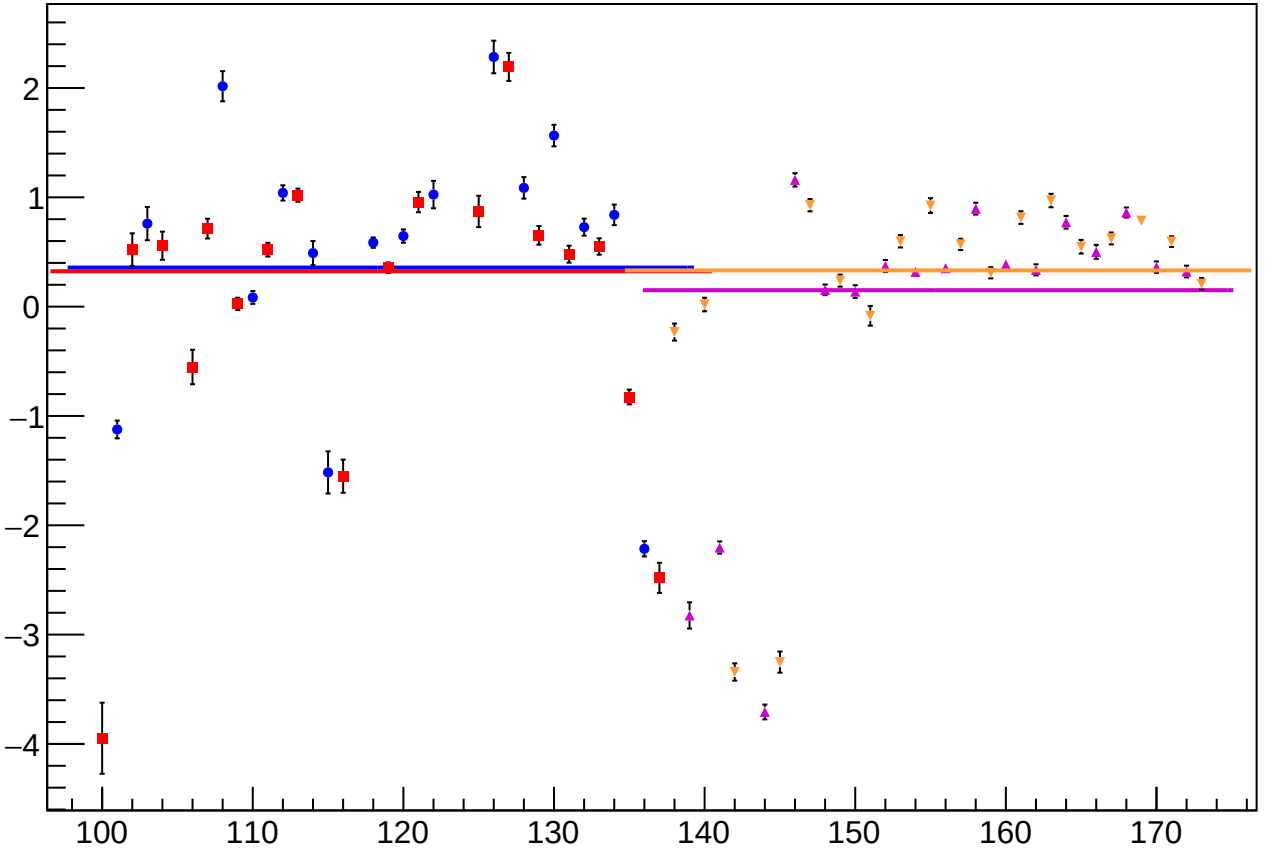
Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.080+/-0.013 χ^2/NDF:206029.5/32

Out: 0.279+/-0.012 χ^2/NDF:204337.6/35

All: 0.183+/-0.009 χ^2/NDF: 410493.8/68

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.332+/-0.014 χ^2/NDF:4195.9/17

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: 0.151+/-0.013 χ^2/NDF:6576.4/16

Left: 0.231+/-0.009 χ^2/NDF: 10864.9/34

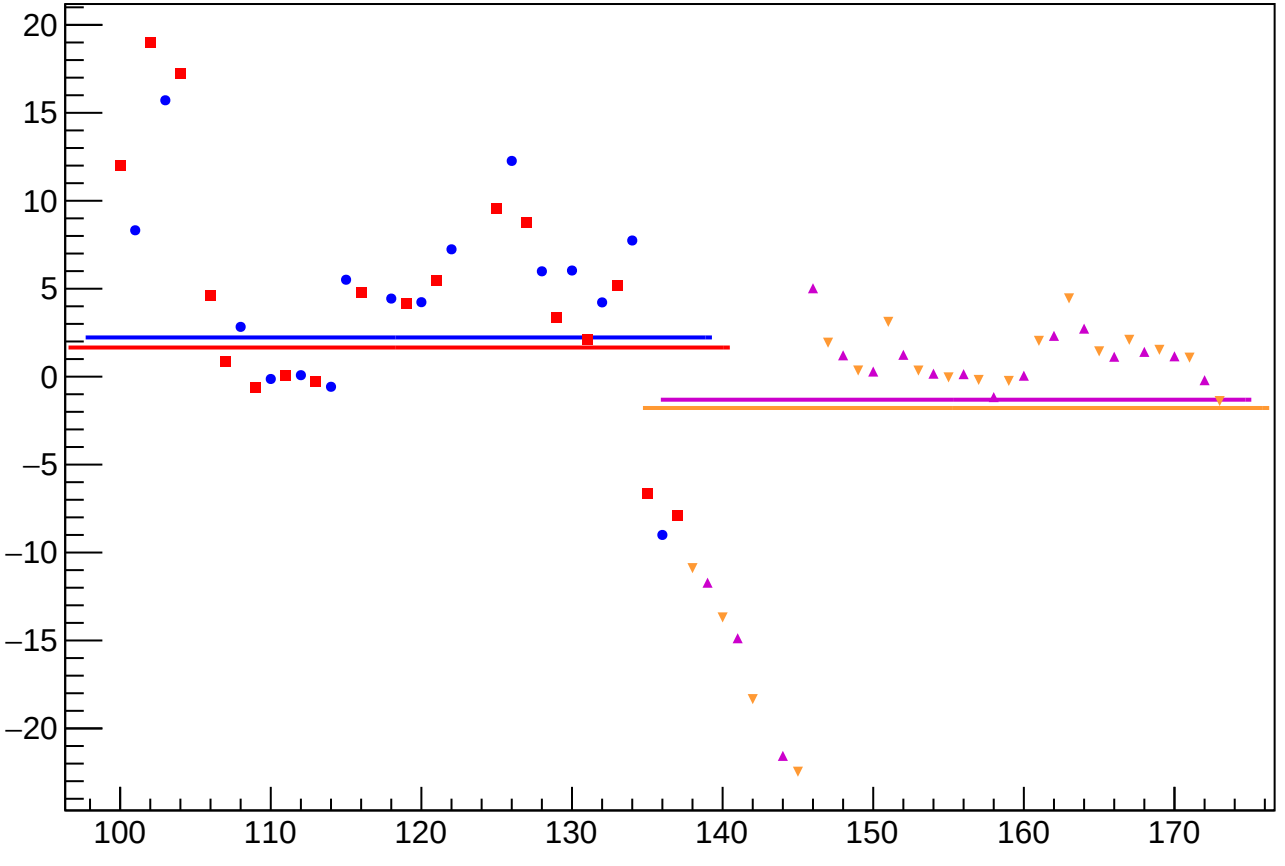
Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.207+/-0.011 χ^2/NDF:9192.8/32

Out: 0.329+/-0.011 χ^2/NDF:5754.9/35

All: 0.264+/-0.008 χ^2/NDF: 15008.8/68

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: -1.781+/-0.019 χ^2/NDF:110570.2/17

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -1.310+/-0.017 χ^2/NDF:117119.4/16

Left: -1.519+/-0.013 χ^2/NDF: 228035.3/34

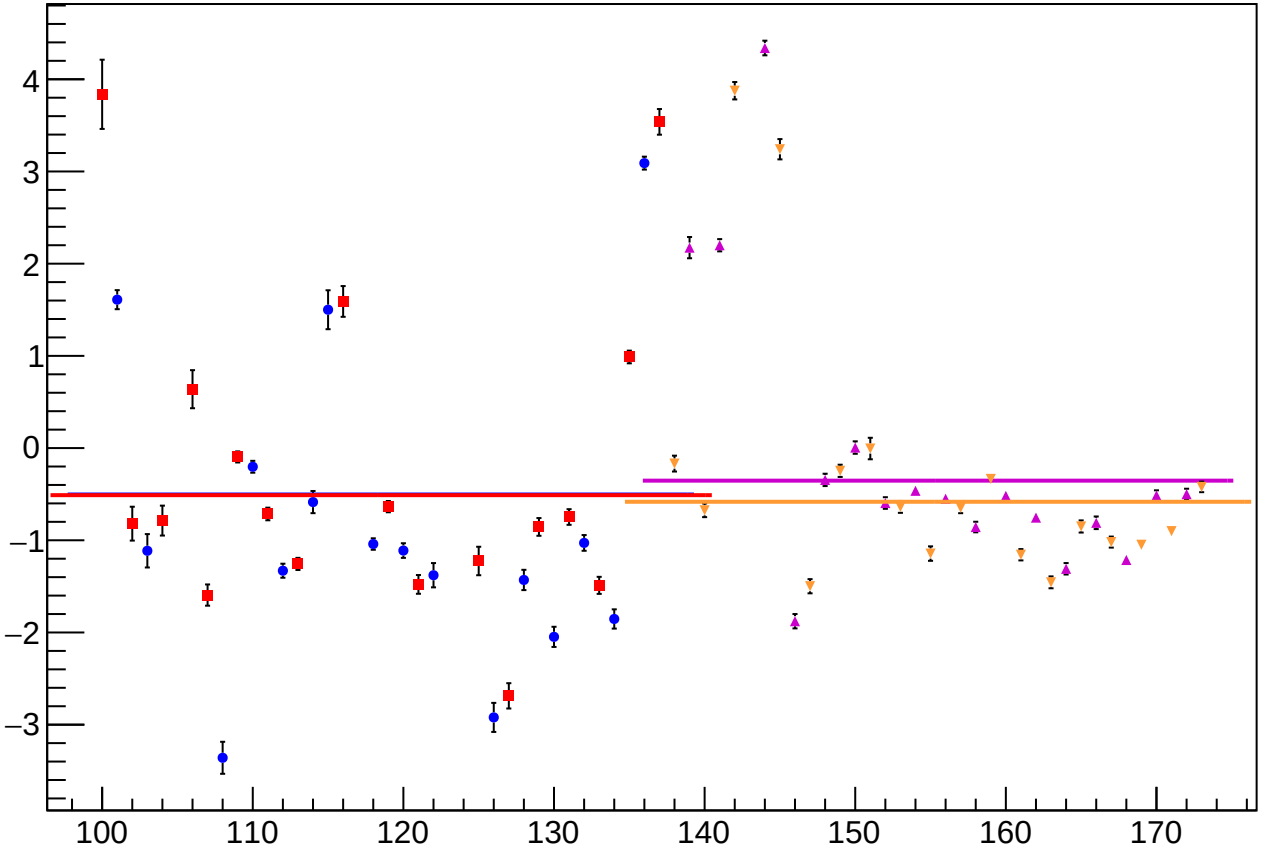
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -0.020+/-0.013 χ^2/NDF:202378.4/32

Out: -0.197+/-0.014 χ^2/NDF:198610.4/35

All: -0.106+/-0.010 χ^2/NDF: 401072.4/68

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: -0.582+/-0.016 χ^2/NDF:4193.7/17

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: -0.353+/-0.014 χ^2/NDF:6595.2/16

Left: -0.456+/-0.011 χ^2/NDF: 10905.7/34

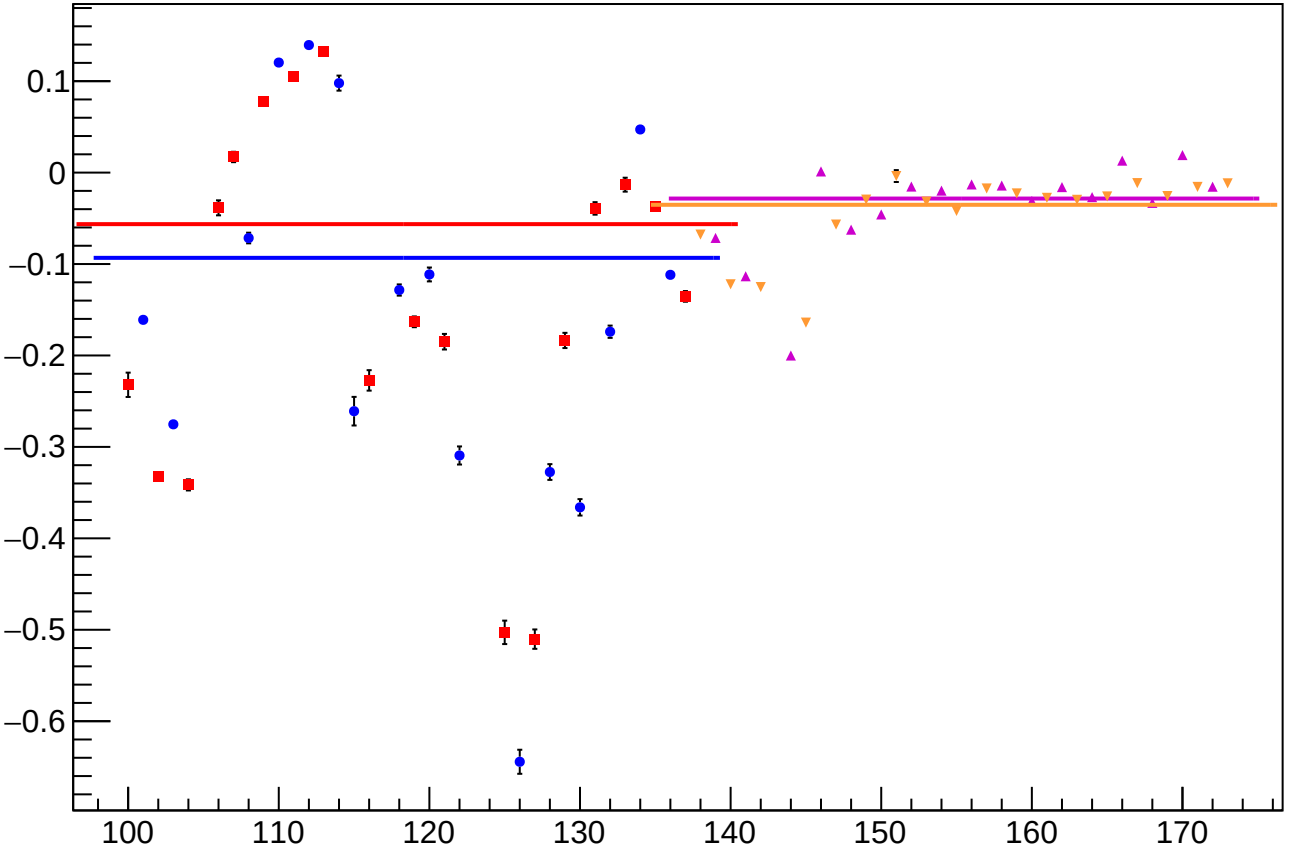
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.393+/-0.012 χ^2/NDF:11072.0/32

Out: -0.558+/-0.013 χ^2/NDF:6624.6/35

All: -0.471+/-0.009 χ^2/NDF: 17784.1/68

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: -0.035+/-0.001 χ^2/NDF:2329.7/17

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.028+/-0.001 χ^2/NDF:3588.5/16

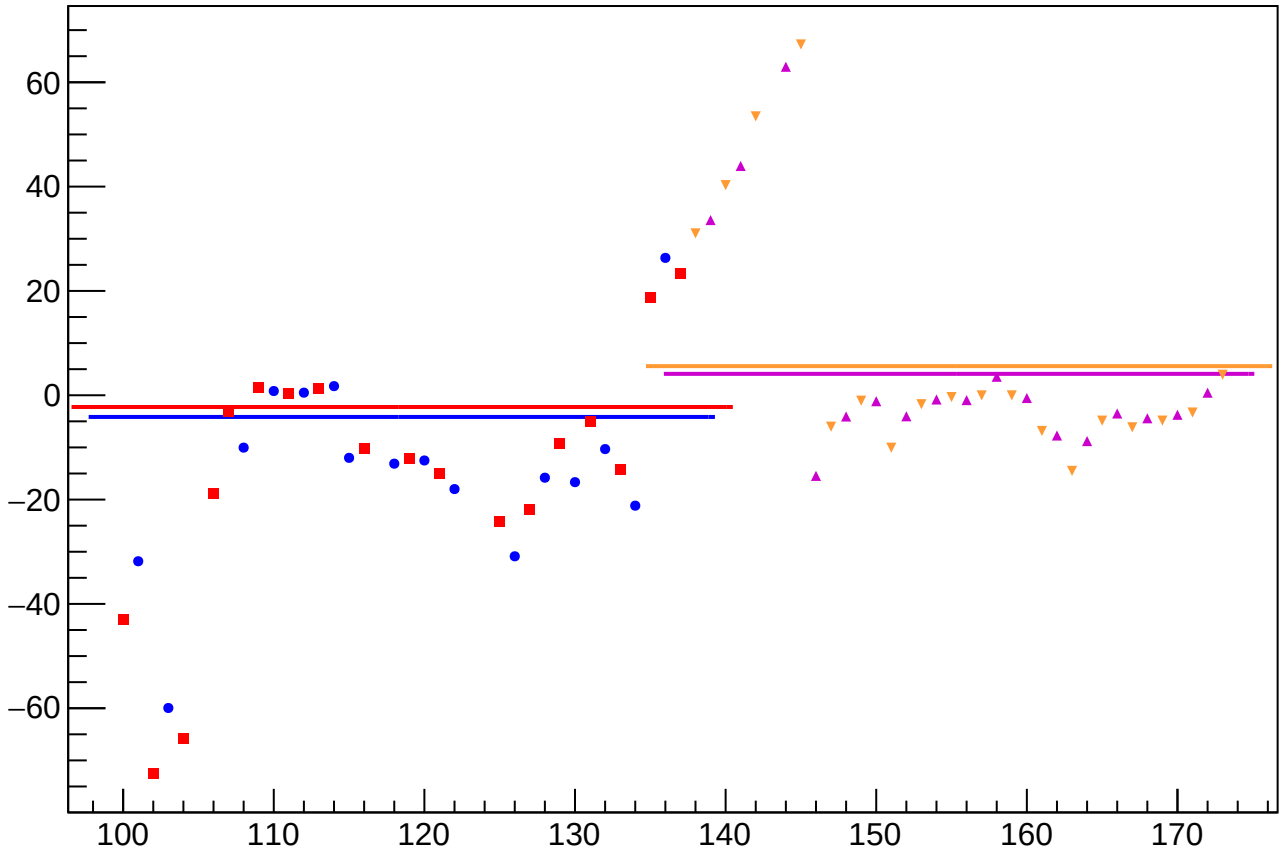
Left: -0.031+/-0.000 χ^2/NDF: 5974.1/34

Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.038+/-0.001 χ^2/NDF:17110.4/32

Out: -0.040+/-0.001 χ^2/NDF:16992.7/35

All: -0.039+/-0.000 χ^2/NDF: 34106.2/68



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 5.582+/-0.056 χ^2/NDF:116449.5/17

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 4.103+/-0.051 χ^2/NDF:122124.9/16

Left: 4.763+/-0.038 χ^2/NDF: 238955.2/34

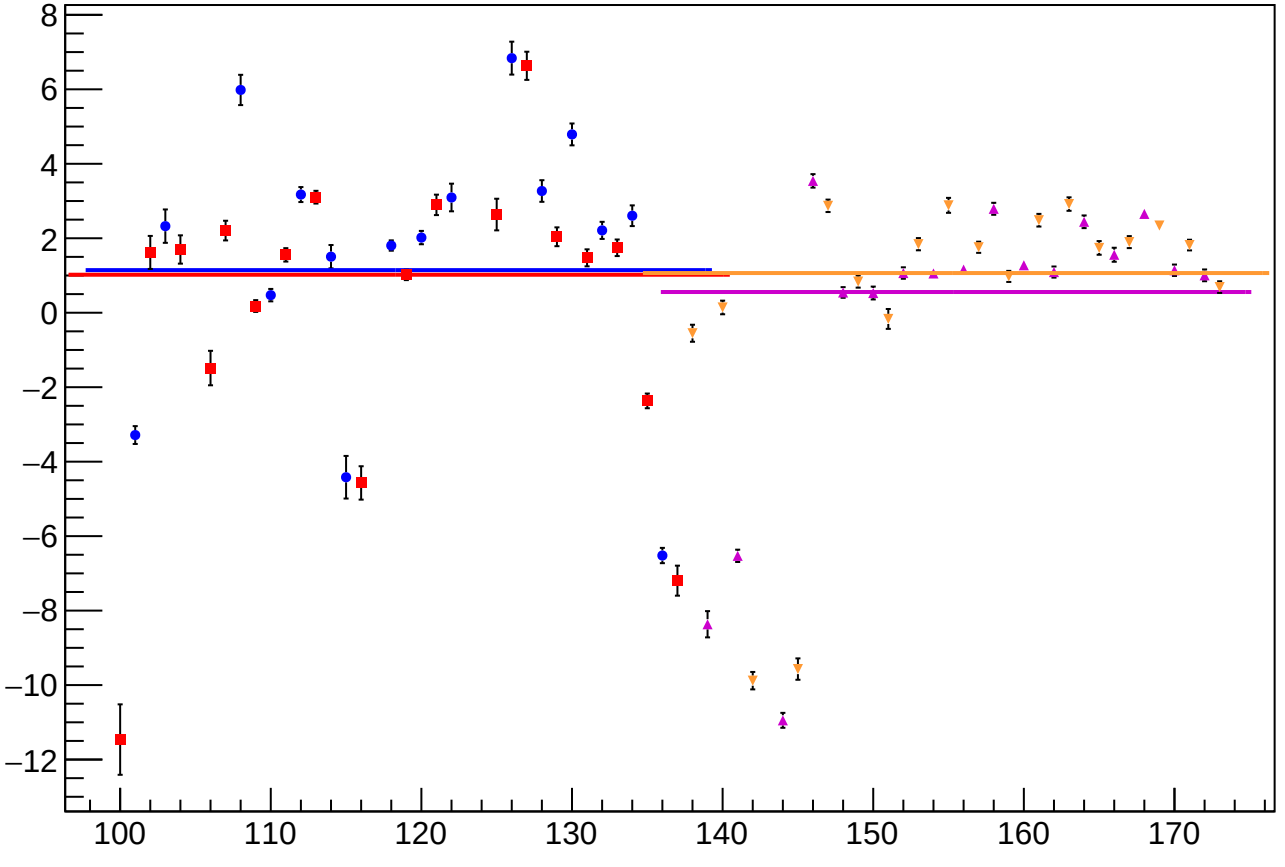
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 0.269+/-0.037 χ^2/NDF:209917.3/32

Out: 0.876+/-0.036 χ^2/NDF:207680.6/35

All: 0.584+/-0.026 χ^2/NDF: 417737.4/68

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 1.066+/-0.041 χ^2/NDF:4234.9/17

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.556+/-0.036 χ^2/NDF:6748.2/16

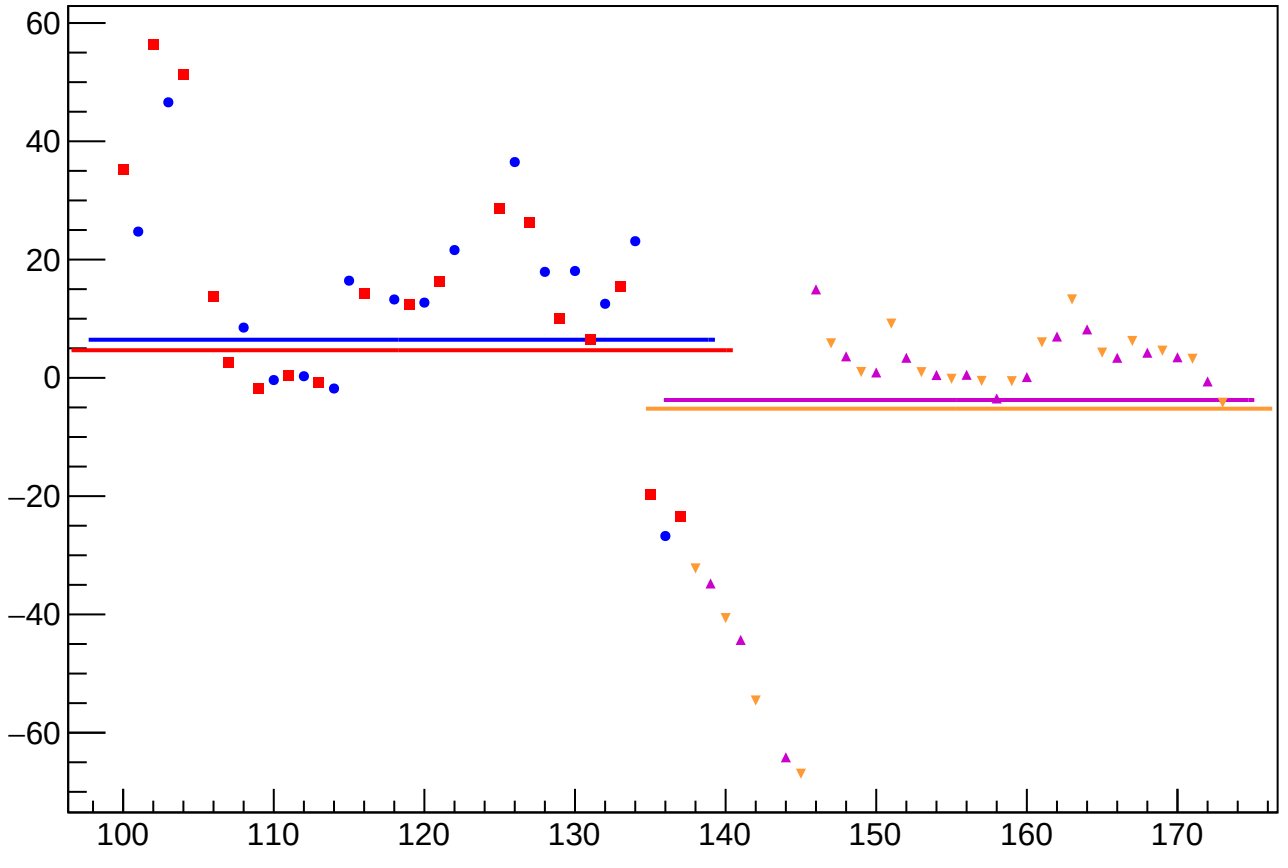
Left: 0.782+/-0.027 χ^2/NDF: 11069.3/34

Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.715+/-0.031 χ^2/NDF:9413.3/32

Out: 1.050+/-0.033 χ^2/NDF:5826.5/35

All: 0.872+/-0.023 χ^2/NDF: 15294.0/68



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -5.211+/-0.055 χ^2/NDF:112483.5/17

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -3.742+/-0.049 χ^2/NDF:119617.3/16

Left: -4.388+/-0.037 χ^2/NDF: 232495.7/34

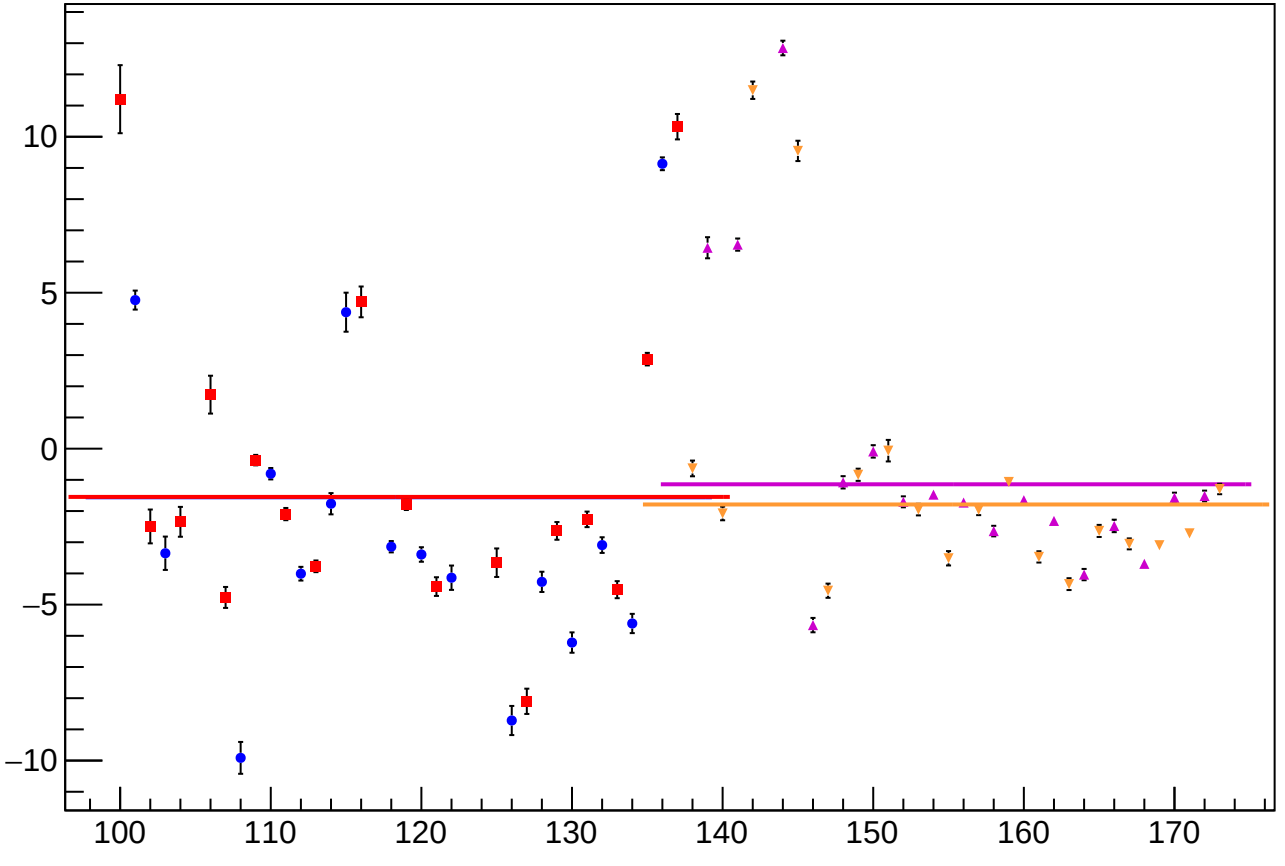
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: -0.041+/-0.039 χ^2/NDF:206135.9/32

Out: -0.585+/-0.040 χ^2/NDF:201819.5/35

All: -0.304+/-0.028 χ^2/NDF: 408049.1/68

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: -1.789+/-0.046 χ^2/NDF:4229.9/17

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -1.142+/-0.041 χ^2/NDF:6758.1/16

Left: -1.429+/-0.031 χ^2/NDF: 11097.5/34

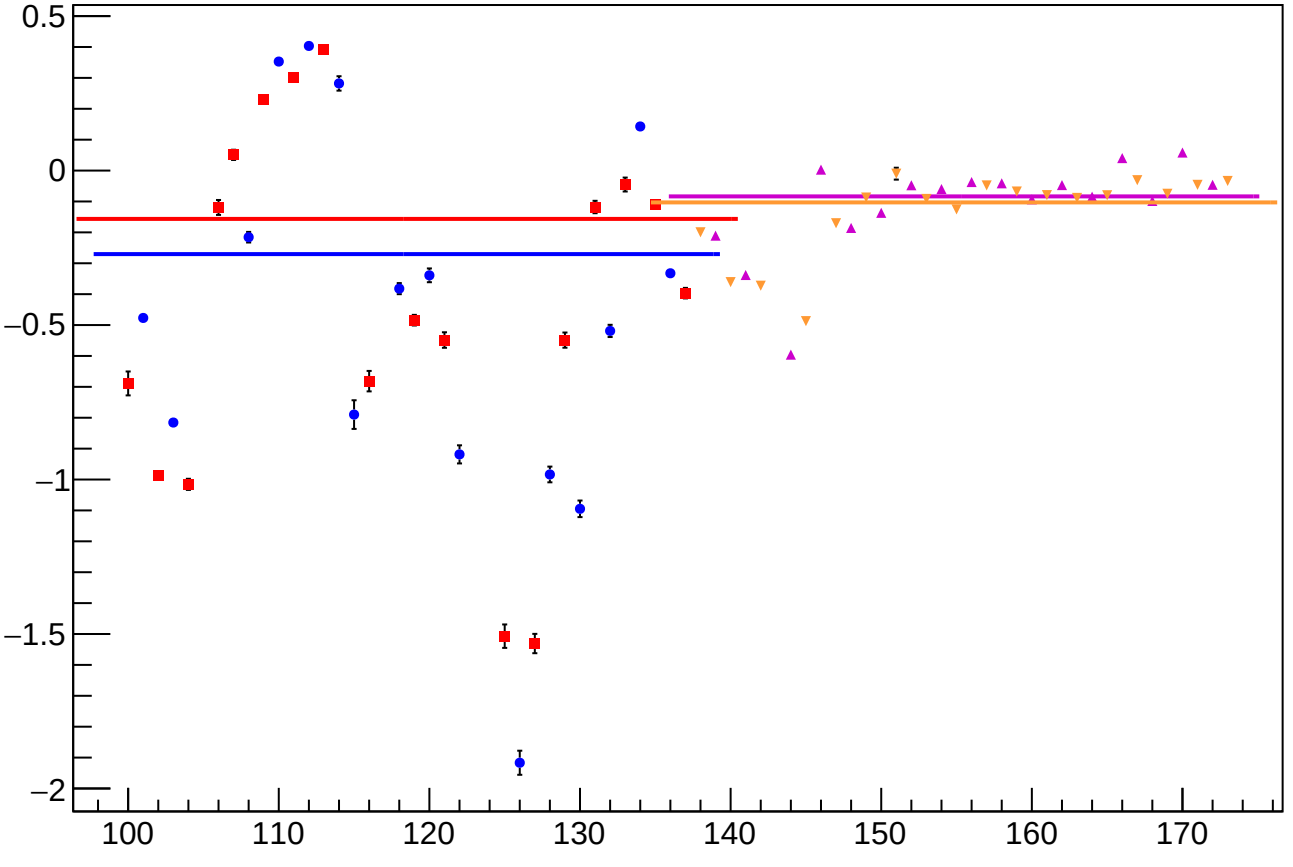
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -1.251+/-0.035 χ^2/NDF:11327.9/32

Out: -1.707+/-0.038 χ^2/NDF:6709.4/35

All: -1.466+/-0.026 χ^2/NDF: 18115.4/68

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: -0.103+/-0.002 χ^2/NDF:2377.9/17

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.084+/-0.002 χ^2/NDF:3675.1/16

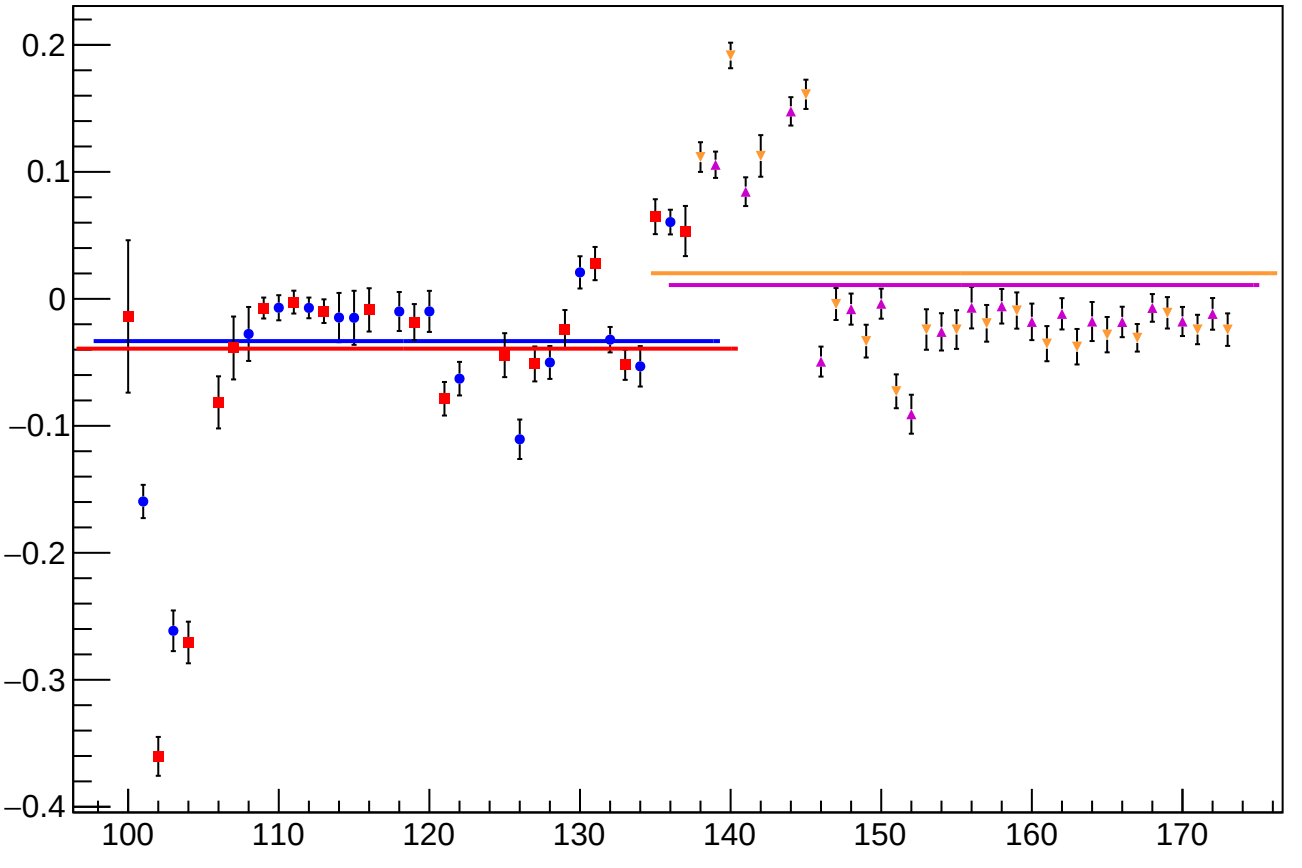
Left: -0.092+/-0.001 χ^2/NDF: 6106.4/34

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.112+/-0.002 χ^2/NDF:17501.5/32

Out: -0.115+/-0.002 χ^2/NDF:17563.0/35

All: -0.113+/-0.001 χ^2/NDF: 35065.9/68



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.020+/-0.003 χ^2/NDF:730.5/17

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.011+/-0.003 χ^2/NDF:387.7/16

Left: 0.016+/-0.002 χ^2/NDF: 1122.9/34

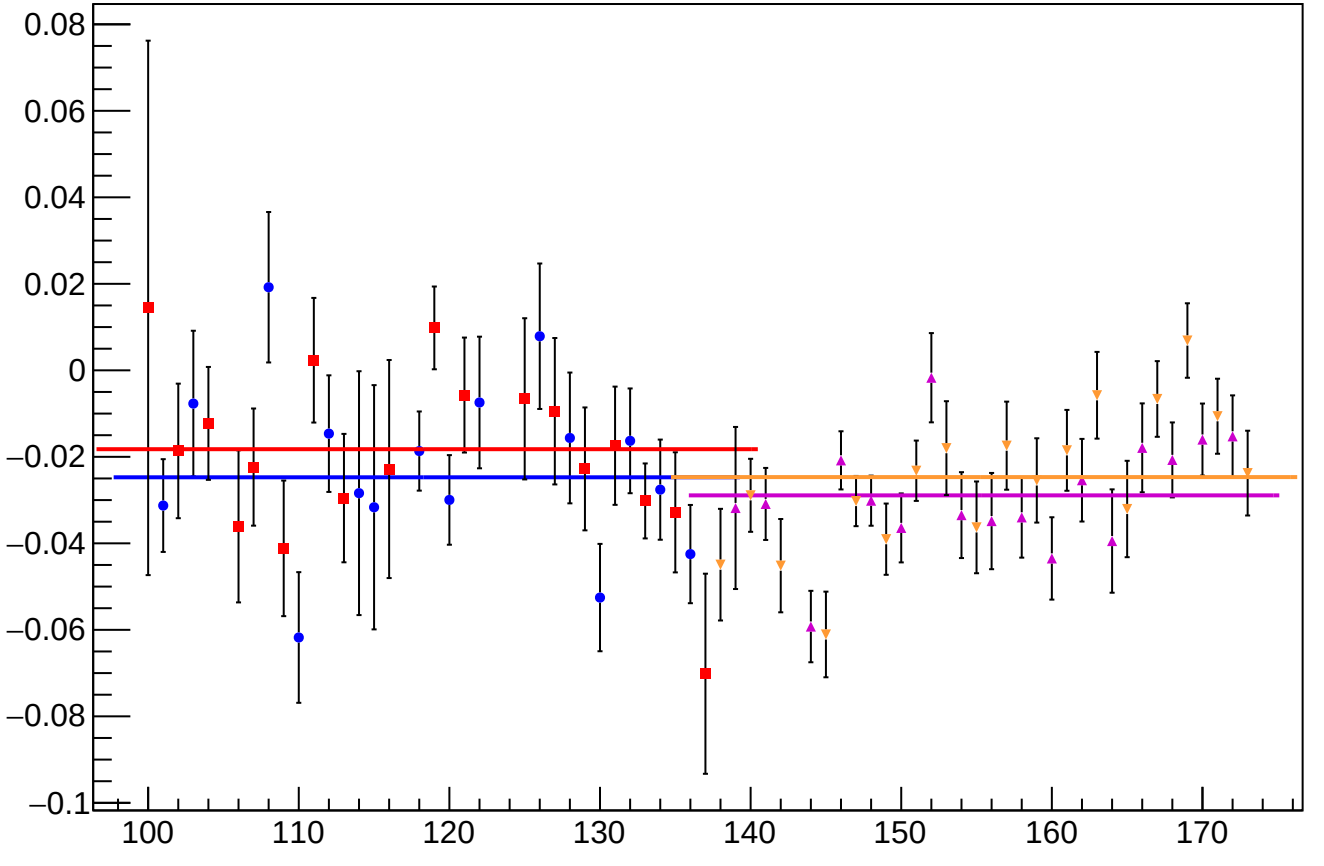
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.010+/-0.002 χ^2/NDF:951.2/32

Out: -0.008+/-0.002 χ^2/NDF:1720.4/35

All: -0.009+/-0.002 χ^2/NDF: 2671.9/68

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: -0.025+/-0.002 χ^2/NDF:50.7/17

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.029+/-0.002 χ^2/NDF:33.5/16

Left: -0.027+/-0.002 χ^2/NDF: 86.1/34

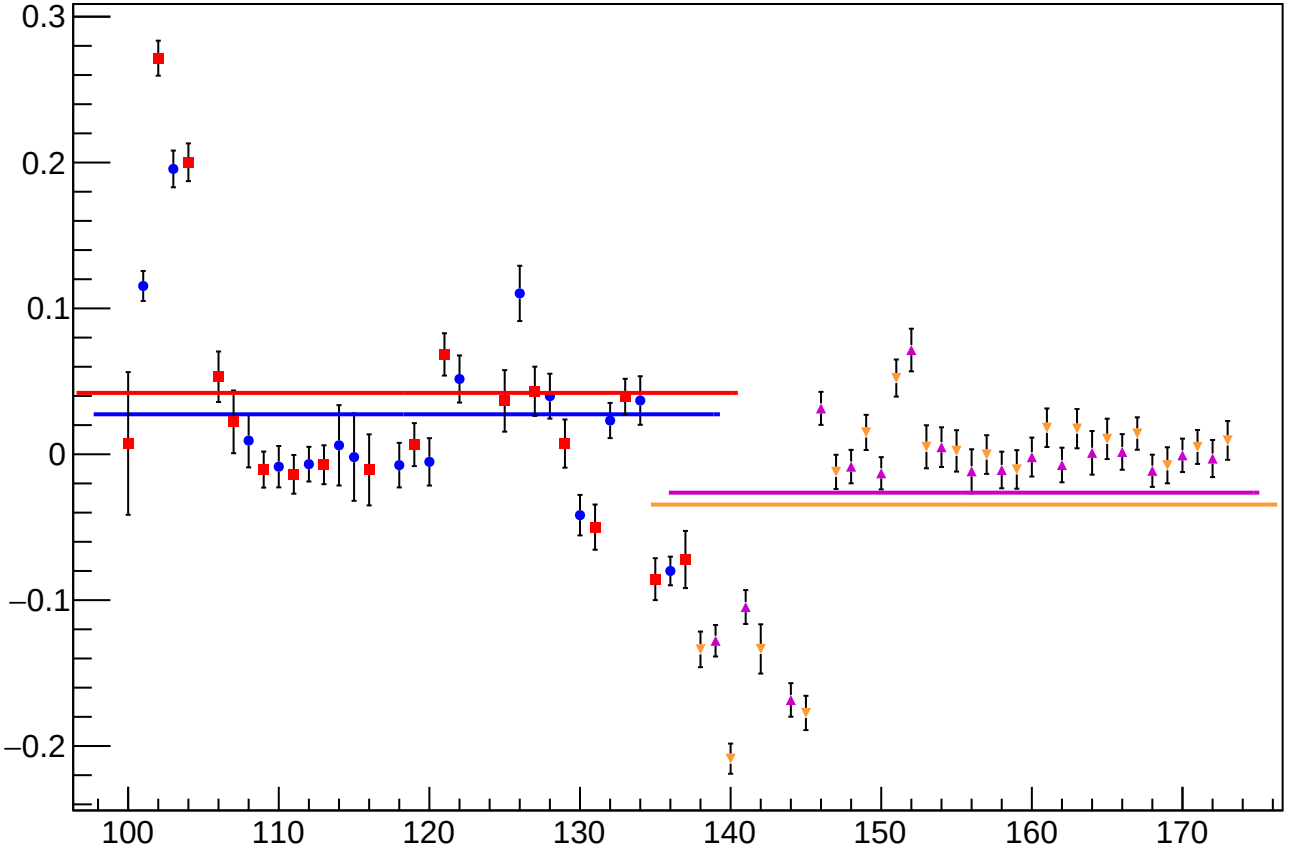
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.028+/-0.002 χ^2/NDF:63.1/32

Out: -0.023+/-0.002 χ^2/NDF:78.0/35

All: -0.025+/-0.001 χ^2/NDF: 144.7/68

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: -0.034+/-0.003 χ^2/NDF:710.1/17

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.026+/-0.003 χ^2/NDF:393.8/16

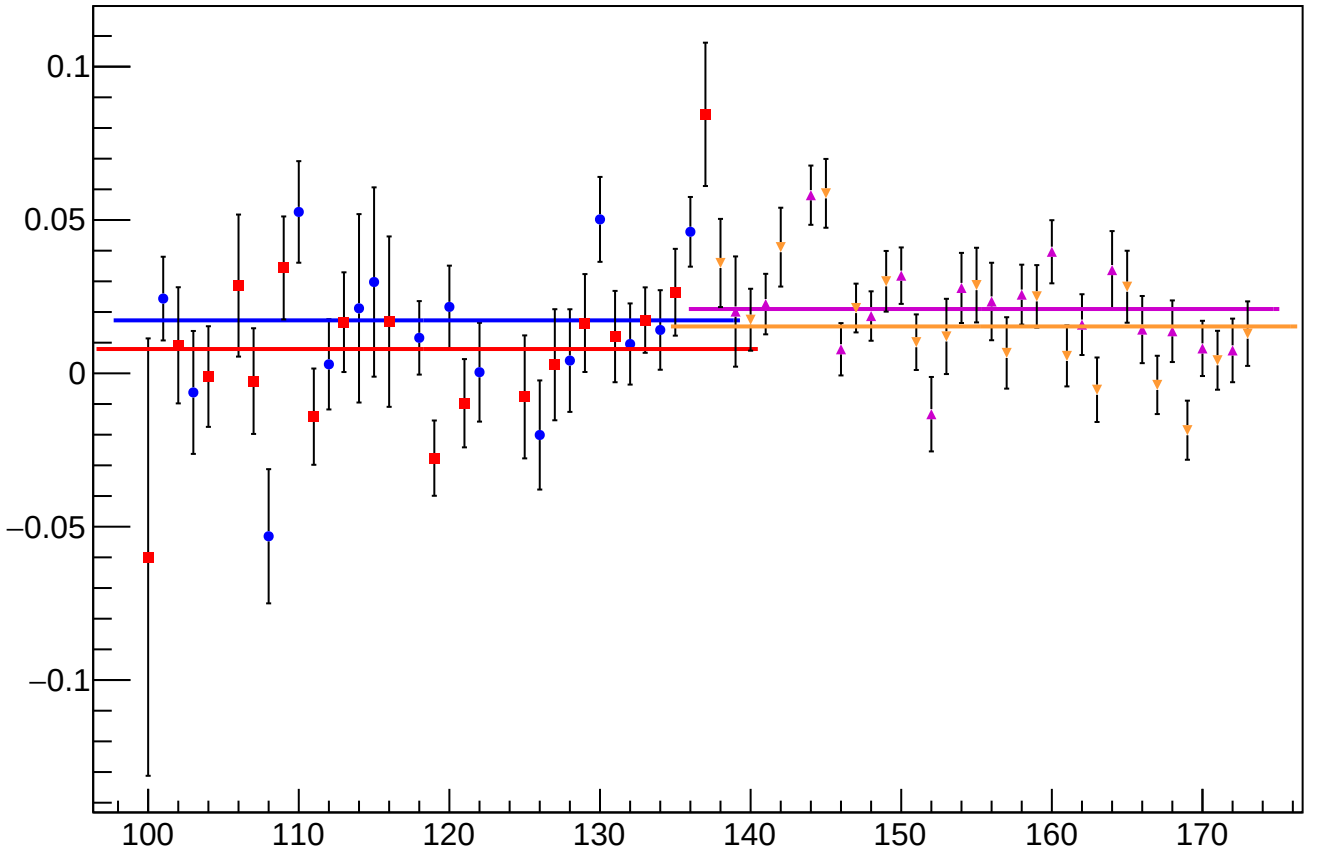
Left: -0.030+/-0.002 χ^2/NDF: 1107.7/34

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.004+/-0.002 χ^2/NDF:973.7/32

Out: -0.004+/-0.002 χ^2/NDF:1708.2/35

All: -0.004+/-0.002 χ^2/NDF: 2681.9/68



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.015+/-0.002 χ^2/NDF:50.7/17

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.021+/-0.002 χ^2/NDF:36.4/16

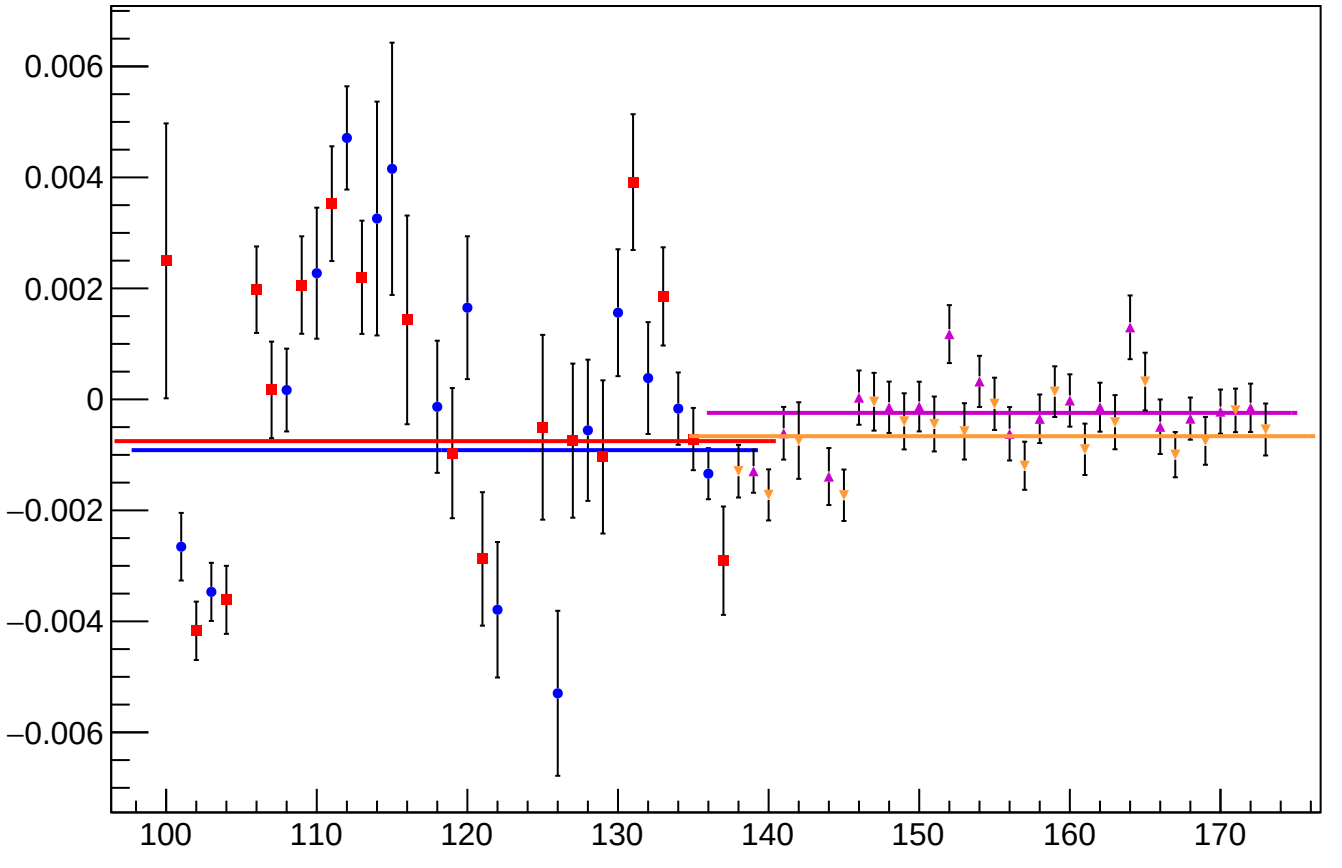
Left: 0.018+/-0.002 χ^2/NDF: 89.8/34

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

In: 0.020+/-0.002 χ^2/NDF:73.7/32

Out: 0.013+/-0.002 χ^2/NDF:84.7/35

All: 0.017+/-0.001 χ^2/NDF: 163.5/68



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:26.7/17

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.000+/-0.000 χ^2/NDF:30.8/16

Left: -0.000+/-0.000 χ^2/NDF: 64.6/34

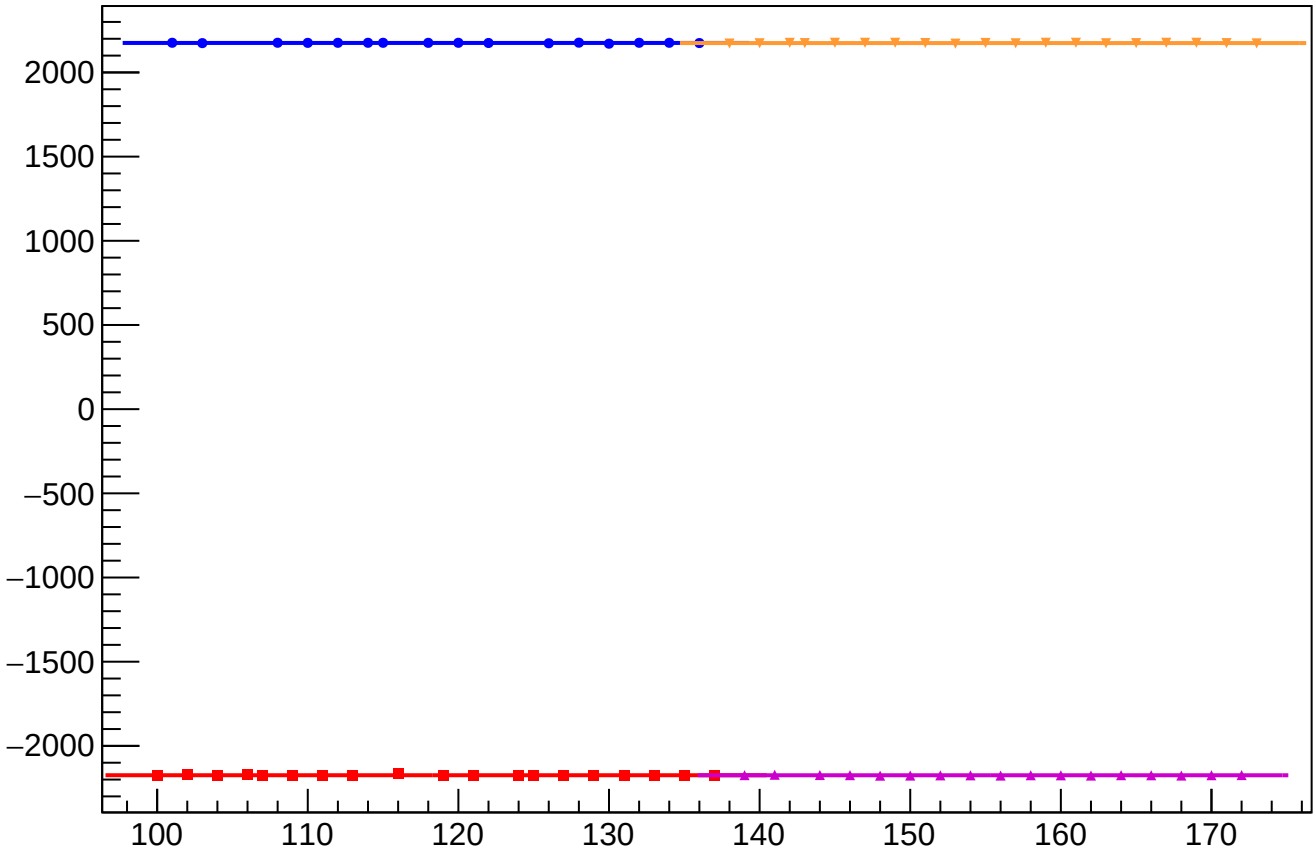
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.000+/-0.000 χ^2/NDF:152.8/32

Out: -0.001+/-0.000 χ^2/NDF:174.4/35

All: -0.001+/-0.000 χ^2/NDF: 331.7/68

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.486+/-0.000 χ^2/NDF:42542141987360910012050453739601 92.0/18

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171 8272.0/18

Left In: -2174.587+/-0.000 χ^2/NDF:28188273962650683570219098528808 96.0/16

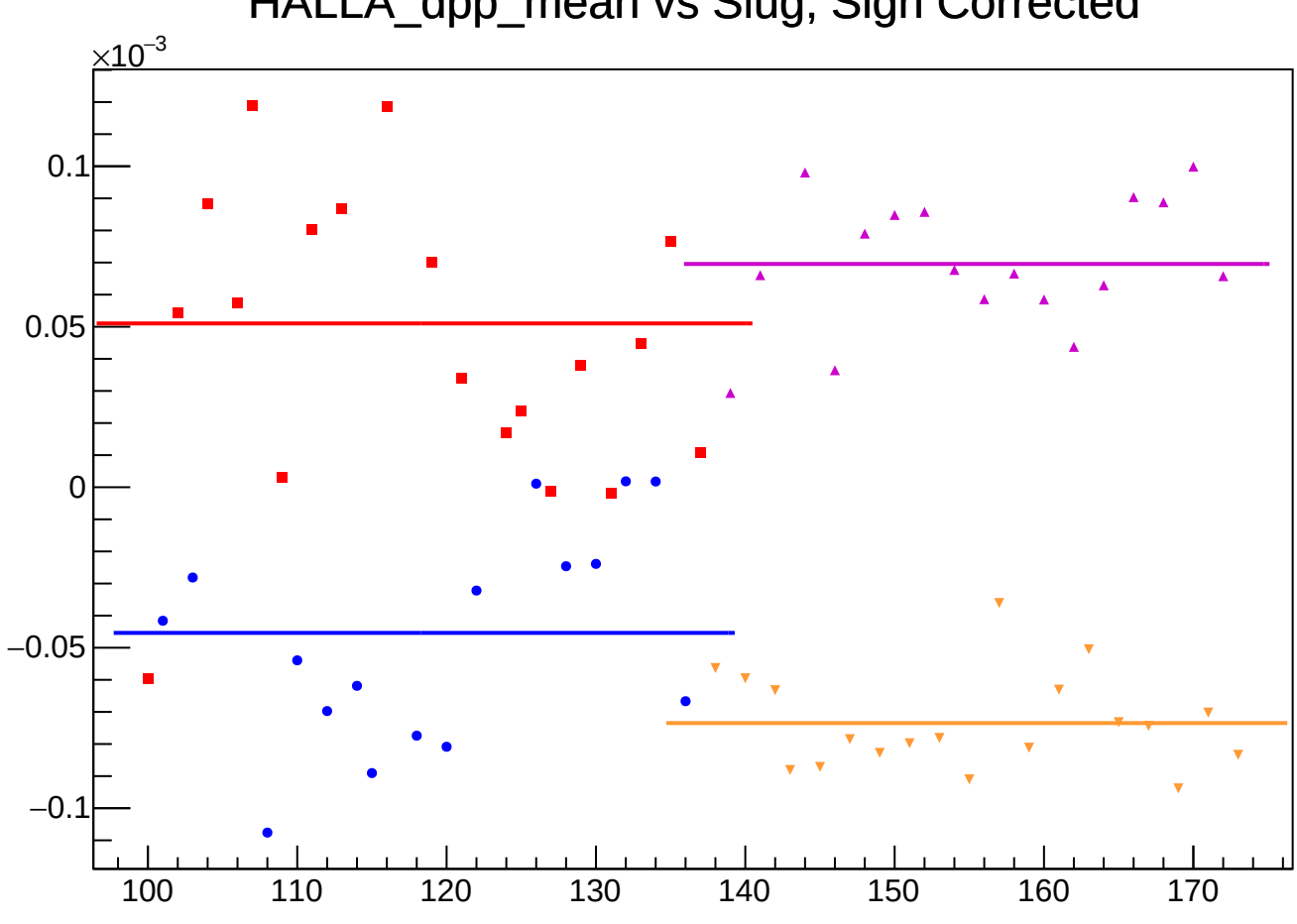
Left: 79.050+/-0.000 χ^2/NDF: 142804010519263 70

Right: -31.373+/-0.000 χ^2/NDF: 71117910490761 11

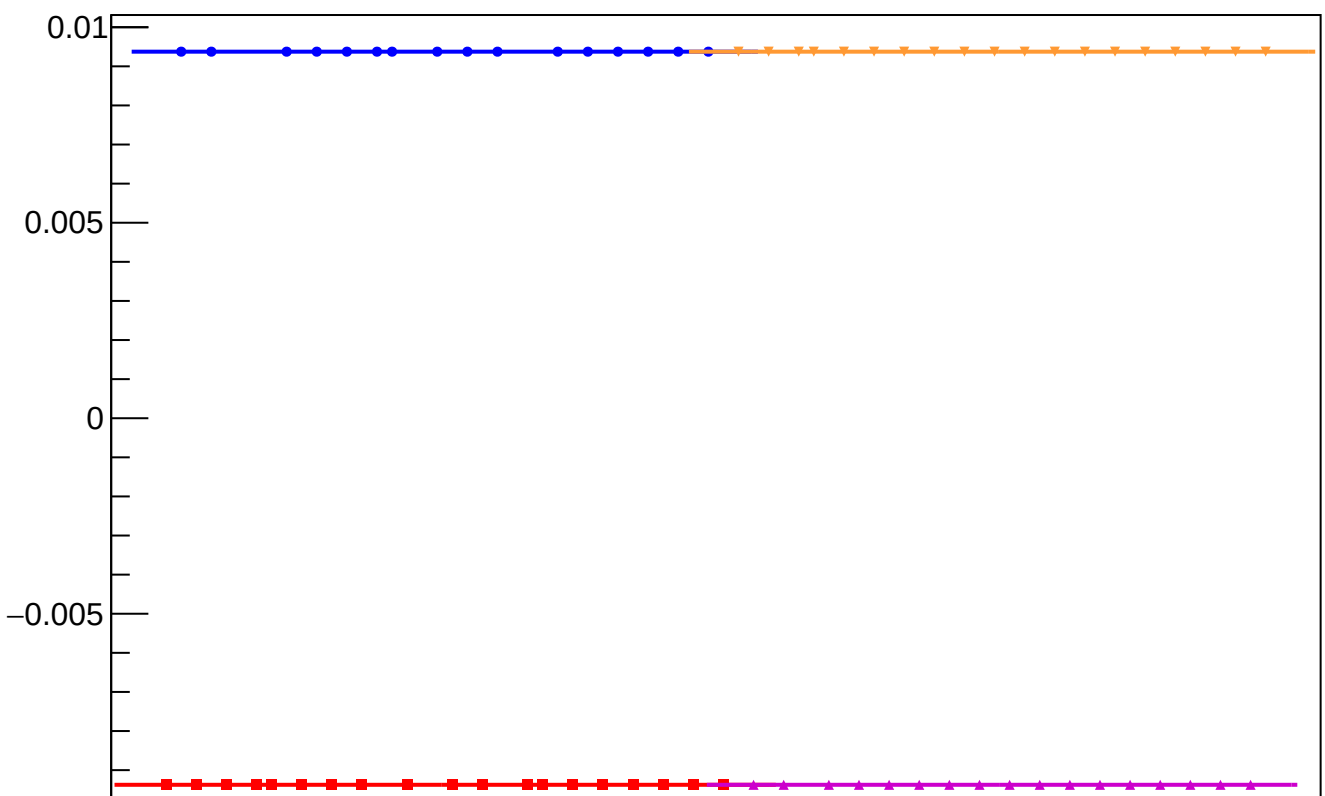
In: -708.166+/-0.000 χ^2/NDF:92936528843255 29

Out: 750.391+/-0.000 χ^2/NDF:97046290934162 79

All: 42.372+/-0.000 χ^2/NDF: 21404439454 70


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
170
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:3440621794538647631953920.0/18
Right Out: 0.000+/-0.000 χ²/NDF: 10119559107206471011532800.0/18
Left In: 0.000+/-0.000 χ²/NDF:5855712763038219318067200.0/16
Left: -0.000+/-0.000 χ²/NDF: 16376730461024908
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: 0.000+/-0.000 χ²/NDF:7787681534765985741
Out: -0.000+/-0.000 χ²/NDF:93113303151103553
All: -0.000+/-0.000 χ²/NDF: 2166188361514

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:0.0/18

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/16

Left: 0.000+/-0.000 χ^2/NDF: 265429571242558596

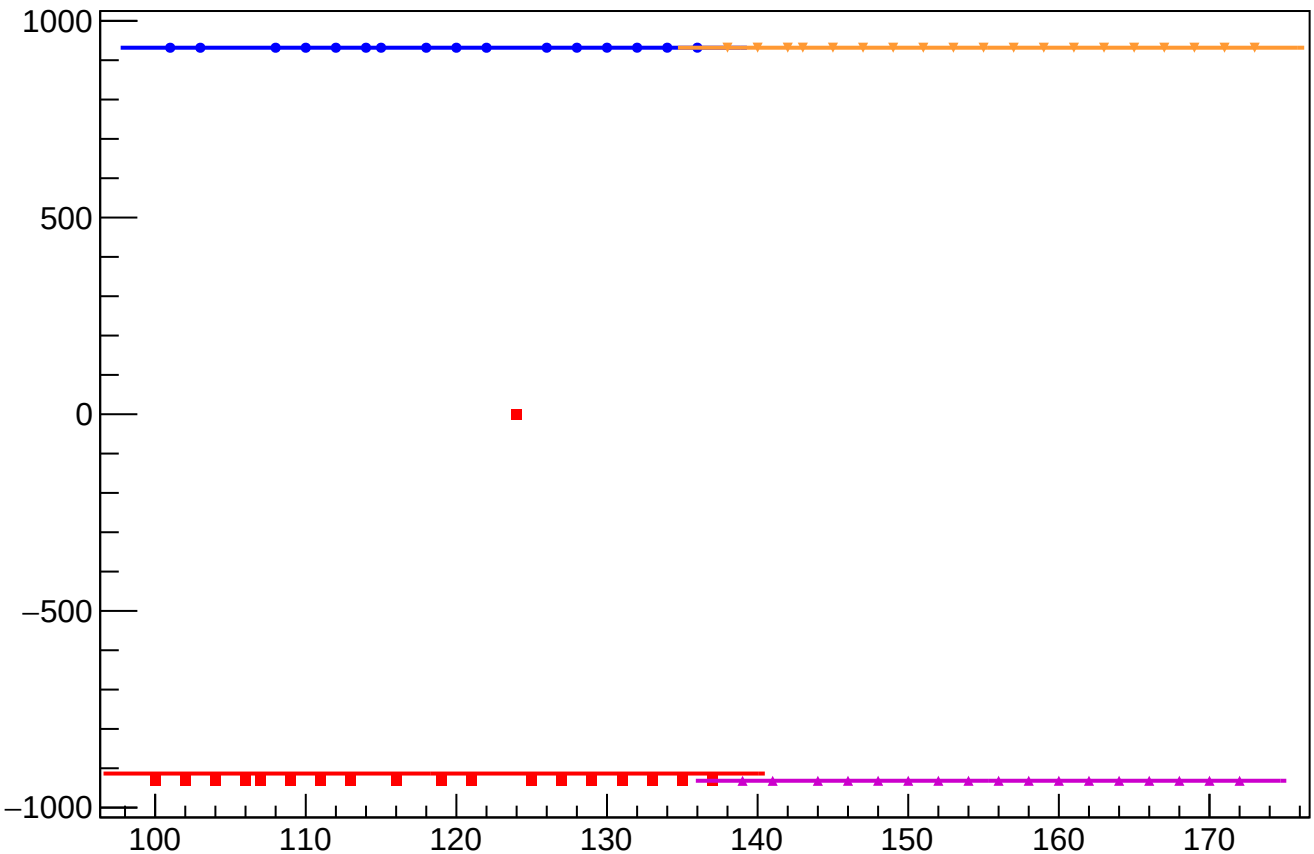
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:172684205101227976

Out: 0.003+/-0.000 χ^2/NDF:180401505498926686

All: 0.000+/-0.000 χ^2/NDF: 39781843529151

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:417205646901768167742202550681 6.0/18

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.775+/-0.000 χ^2/NDF:369843816619254697248320336691 2.0/16

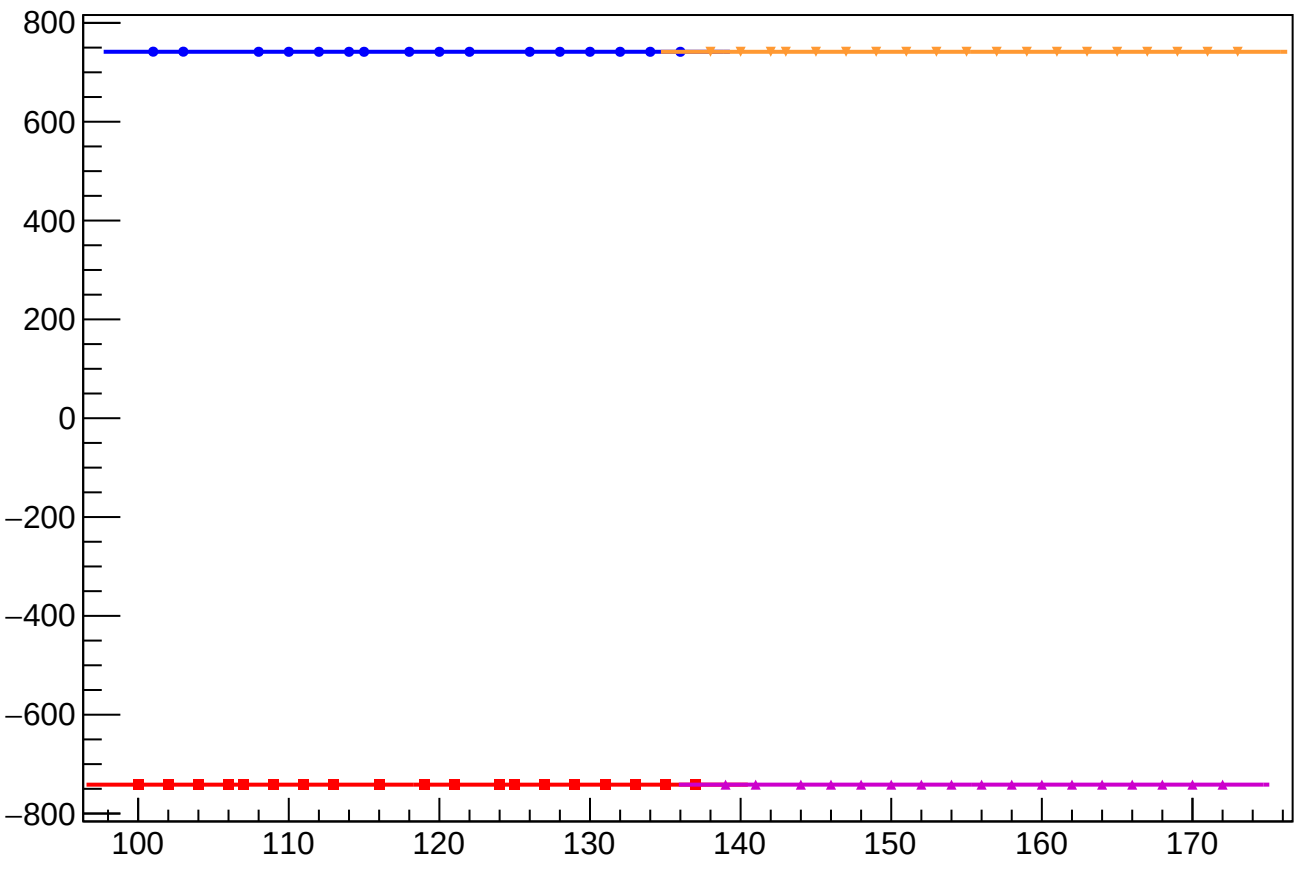
Left: 33.899+/-0.000 χ^2/NDF: 26220025412985405

Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

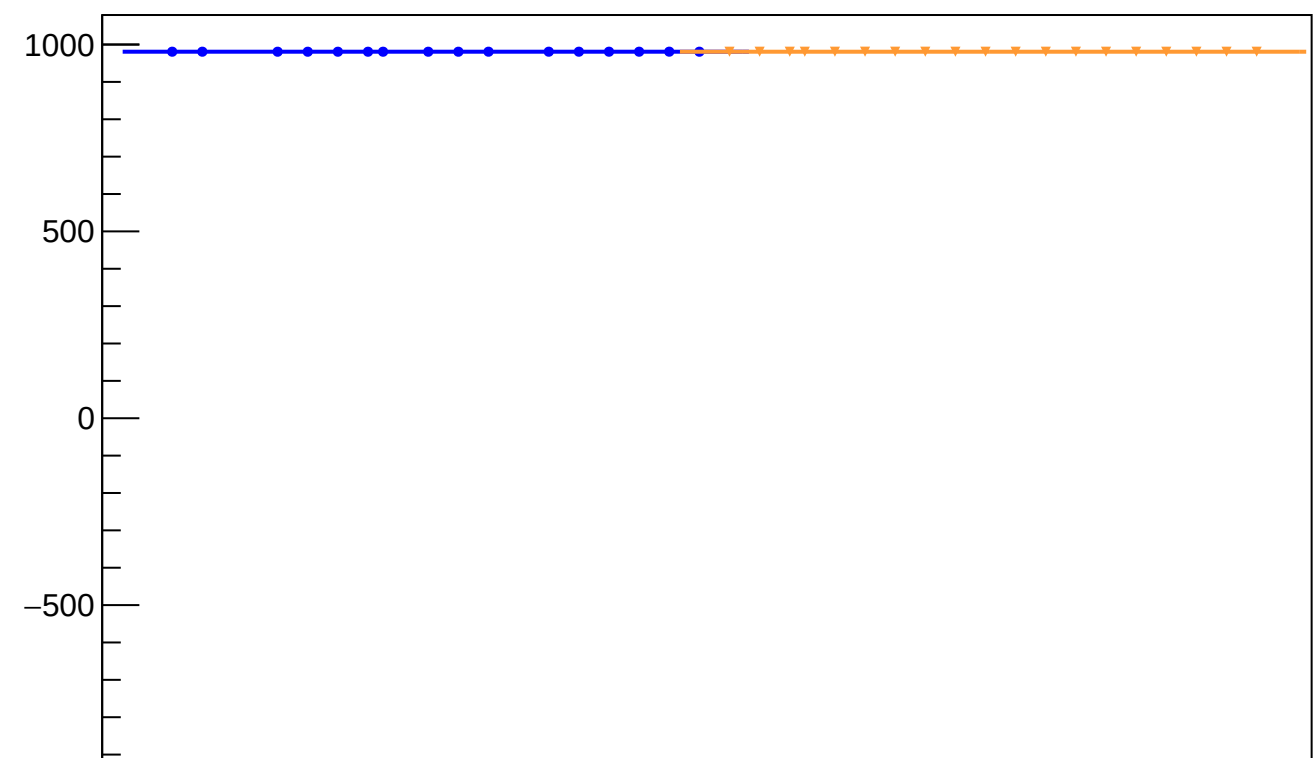
In: -303.528+/-0.000 χ^2/NDF:1705804346717369

Out: 327.531+/-0.000 χ^2/NDF:1759952645279626

All: 21.200+/-0.000 χ^2/NDF: 3916175958231


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
170
Right In: 741.569+/-0.000 χ²/NDF: 643295117612794706193889938636 8.0/15
Left Out: 741.513+/-0.000 χ²/NDF:208225481052279104857863880704.0/18
Right Out: -741.577+/-0.000 χ²/NDF: 769226394789261471153747761561 6.0/18
Left In: -741.513+/-0.000 χ²/NDF:180295643190678985830473662464.0/16
Left: 26.973+/-0.000 χ²/NDF: 16605214784021741
Right: -10.851+/-0.000 χ²/NDF: 826918104240998
In: -241.530+/-0.000 χ²/NDF:1080389970989398
Out: 255.849+/-0.000 χ²/NDF:1128684256315174
All: 14.409+/-0.000 χ²/NDF: 248887660586

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560.0/15

Left Out: 980.768+/-0.000 χ^2/NDF:7125826181255102404421421629440.0/18

Right Out: -980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705920.0/18

Left In: -980.776+/-0.000 χ^2/NDF:140160501647687688546703061811 2.0/16

Left: 35.672+/-0.000 χ^2/NDF: 29049780203769630

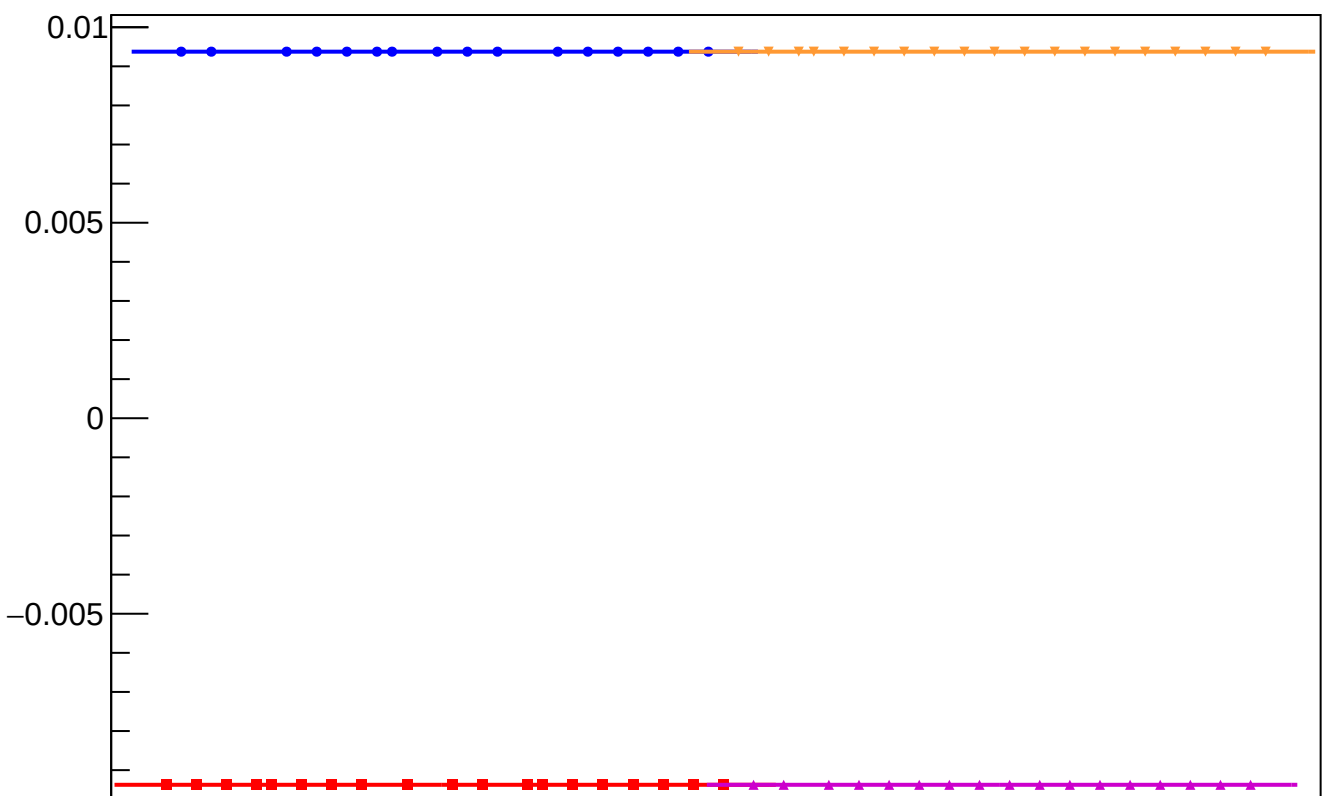
Right: -14.307+/-0.000 χ^2/NDF: 1446386008808569

In: -319.479+/-0.000 χ^2/NDF:1890000788050485

Out: 338.442+/-0.000 χ^2/NDF:19742906411648 01

All: 19.072+/-0.000 χ^2/NDF: 435387302548 6

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:0.0/18

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/16

Left: 0.000+/-0.000 χ^2/NDF: 265429571242558596

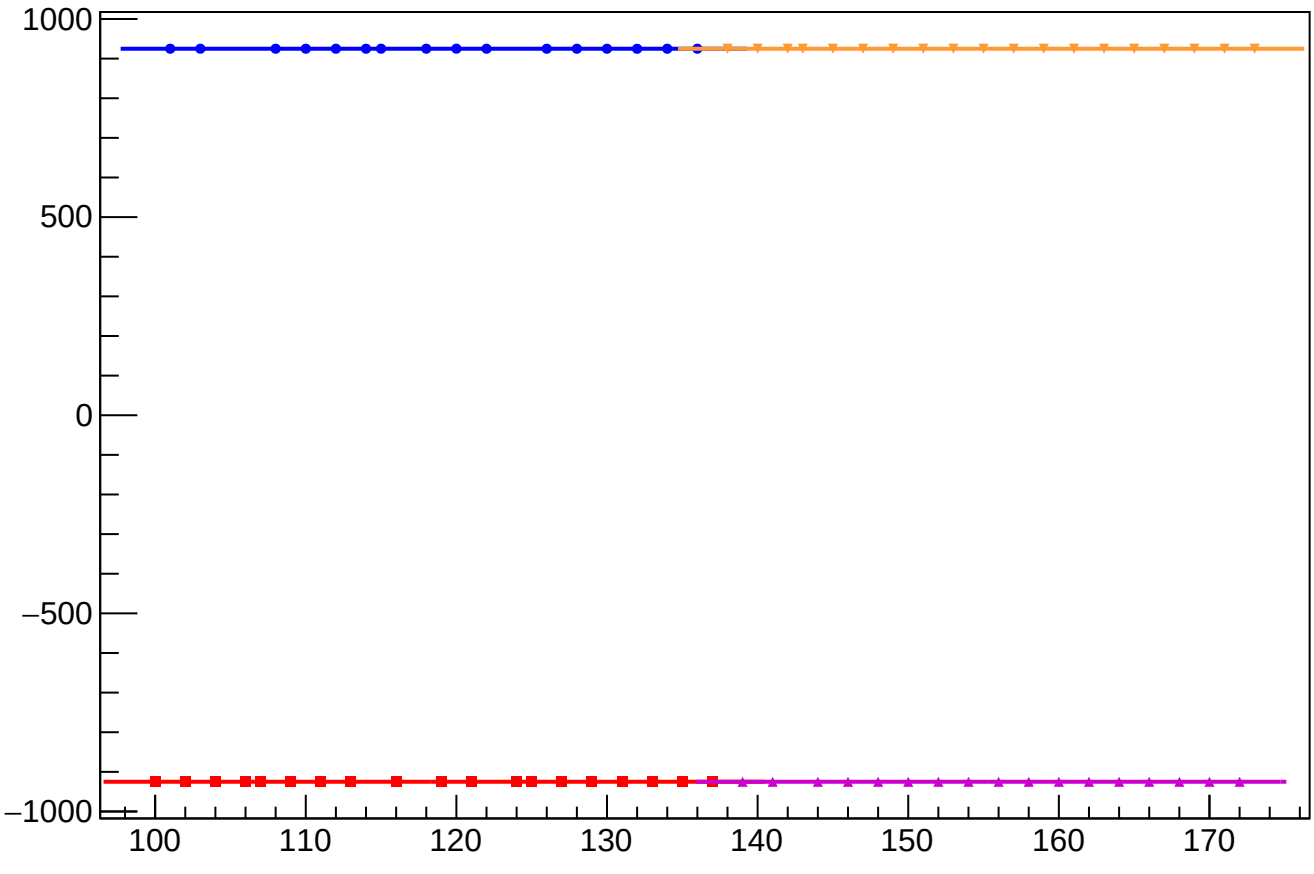
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:172684205101227976

Out: 0.003+/-0.000 χ^2/NDF:180401505498926686

All: 0.000+/-0.000 χ^2/NDF: 39781843529151

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.966+/-0.000 χ^2/NDF: 2544370508087658800533037121536.0/15

Left Out: 924.984+/-0.000 χ^2/NDF:8808042150269588674943511142912.0/18

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

Left In: -924.986+/-0.000 χ^2/NDF:713773495392745847274185162752.0/16

Left: 33.646+/-0.000 χ^2/NDF: 25839043463045829

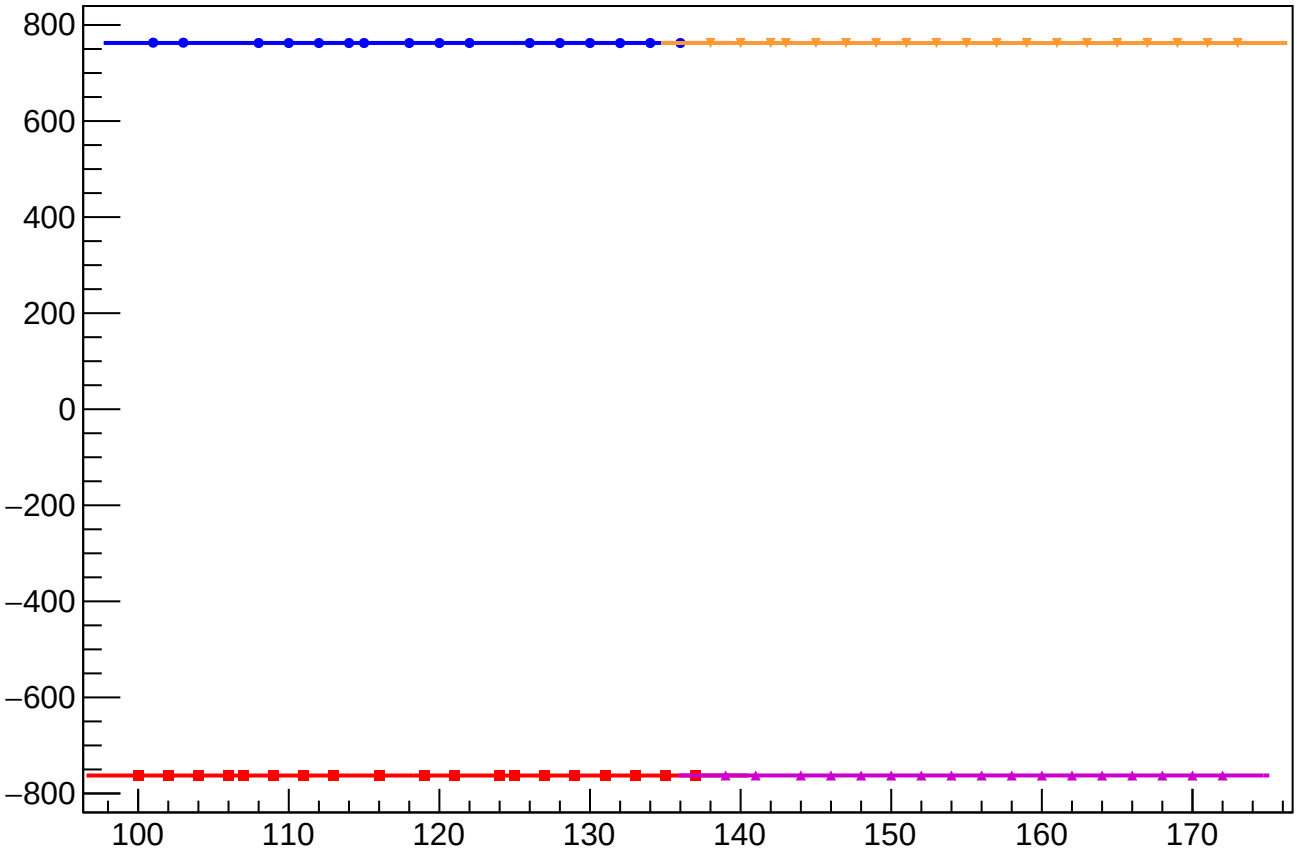
Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

In: -301.322+/-0.000 χ^2/NDF:1681013934520935

Out: 319.182+/-0.000 χ^2/NDF:1756149359715691

All: 17.975+/-0.000 χ^2/NDF: 387264172408

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 762.611+/-0.000 χ^2/NDF: 52161453489138778834460408283136.0/15

Left Out: 762.513+/-0.000 χ^2/NDF:583367061091577607127599939584.0/18

Right Out: -762.618+/-0.000 χ^2/NDF: 5313433853263039584129784374886 4.0/18

Left In: -762.513+/-0.000 χ^2/NDF:48285518414946454245170216960 0.0/16

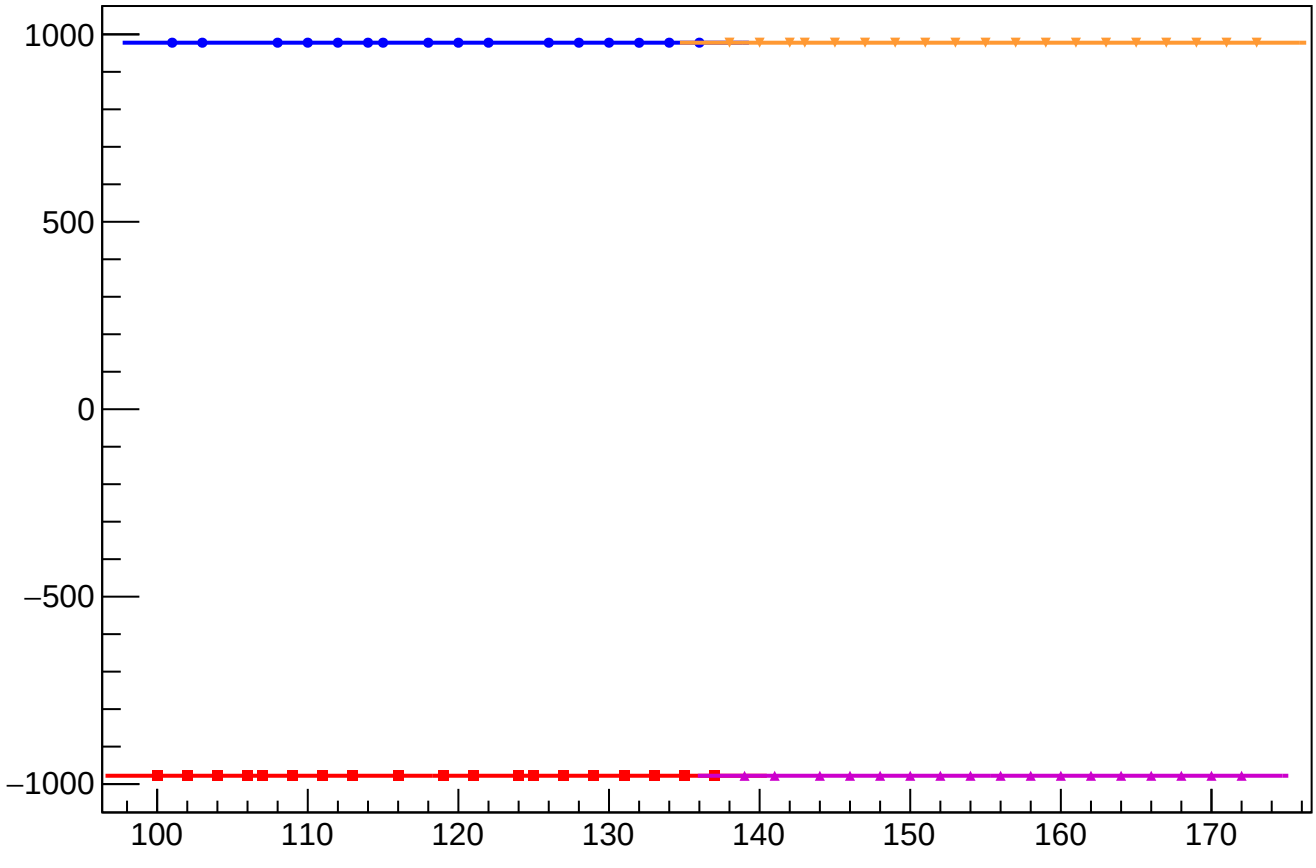
Left: 27.737+/-0.000 χ^2/NDF: 17559068552170634

Right: -11.159+/-0.000 χ^2/NDF: 8745102746392638

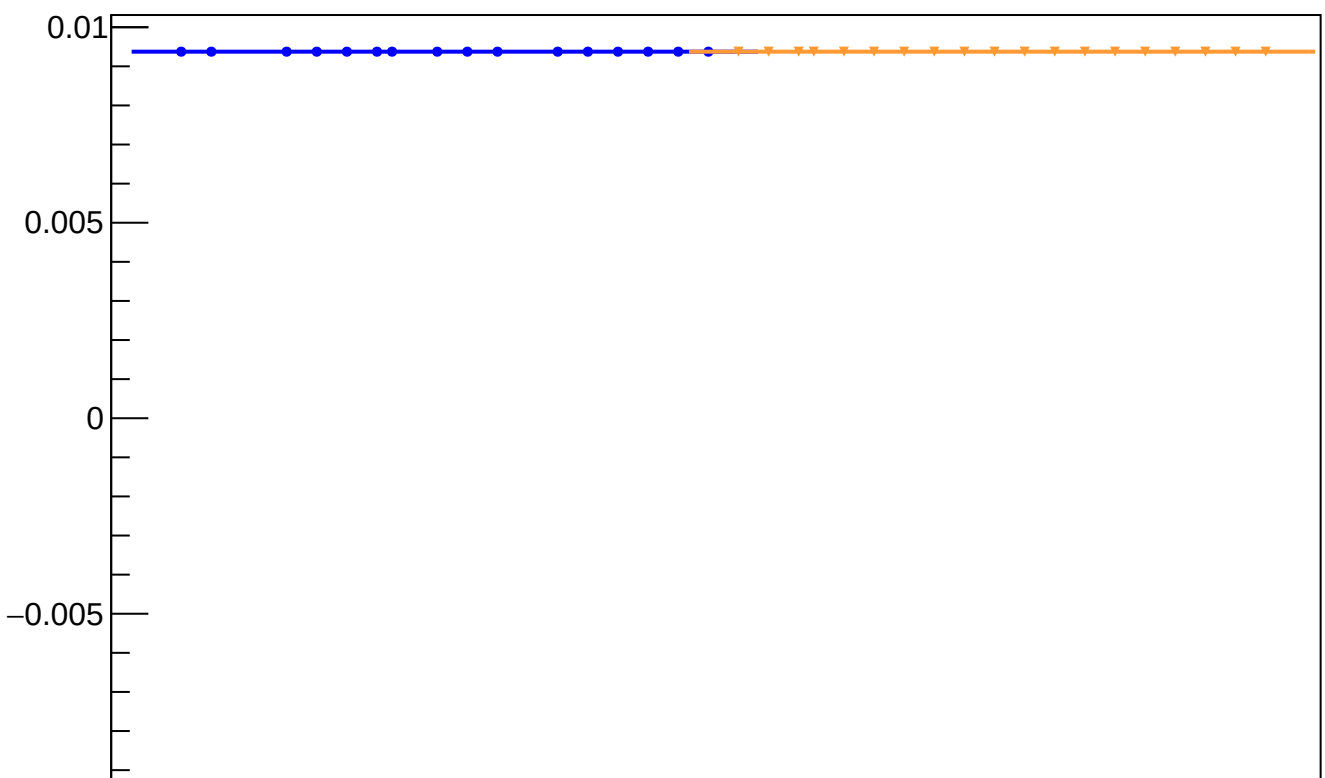
In: -248.356+/-0.000 χ^2/NDF:1142510897782403

Out: 263.082+/-0.000 χ^2/NDF:1193581405103327

All: 14.817+/-0.000 χ^2/NDF: 2631936729870


HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: 977.749+/-0.000 χ²/NDF: 19595783310723160744482245181440/15
Left Out: 977.739+/-0.000 χ²/NDF:1143390998896908697849242320896.0/18
Right Out: -977.747+/-0.000 χ²/NDF: 178222687781691472632796623672.0/18
Left In: -977.736+/-0.000 χ²/NDF:10562631630202608059309453475840/16
Left: 35.567+/-0.000 χ²/NDF: 28870298016262579
Right: -14.301+/-0.000 χ²/NDF: 143750377983115
In: -318.494+/-0.000 χ²/NDF:1878275512224416
Out: 337.380+/-0.000 χ²/NDF:1962216754588418
All: 19.003+/-0.000 χ²/NDF: 432703145328

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/18

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/16

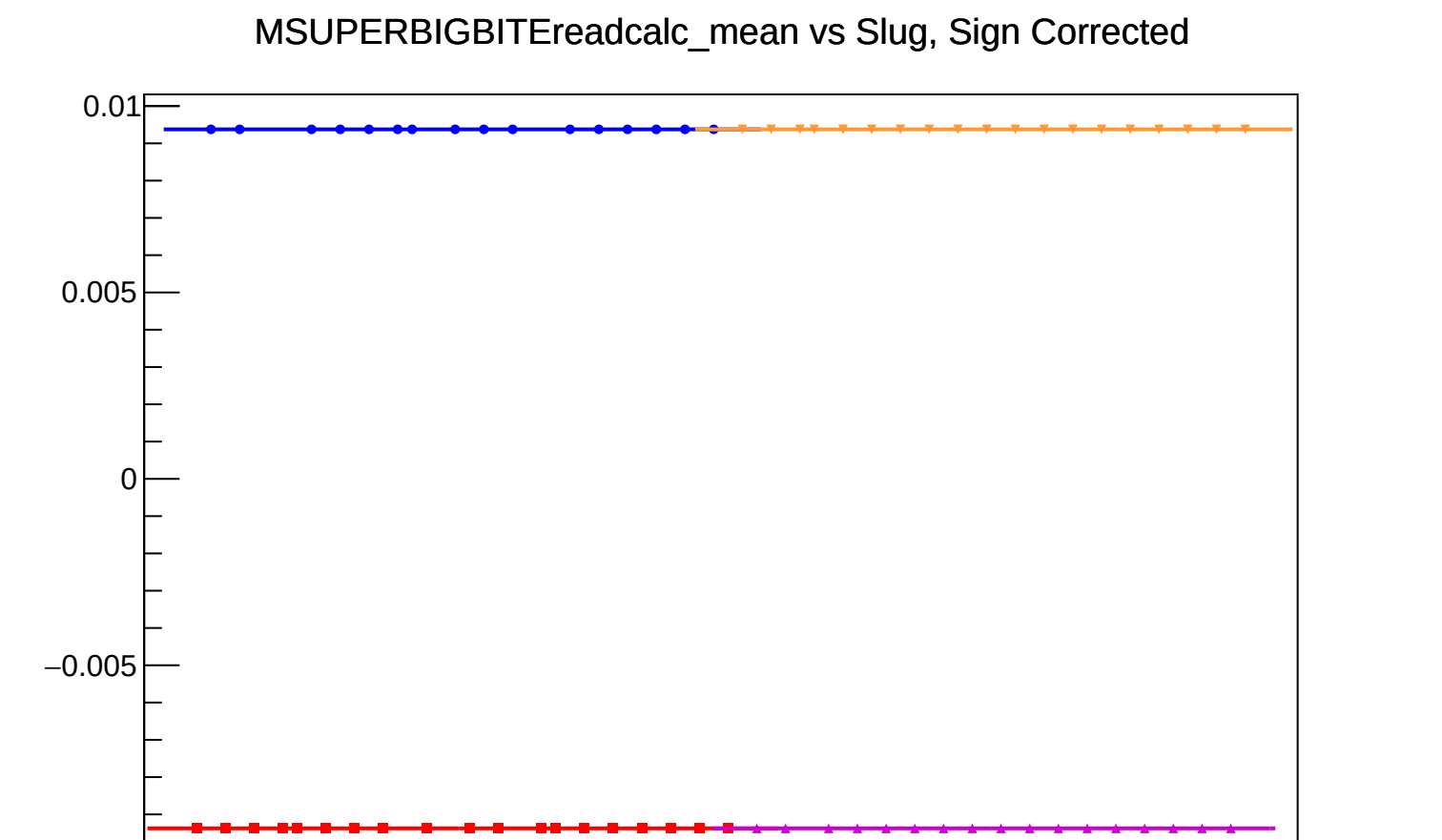
Left: 0.000+/-0.000 χ^2/NDF: 265429571242558596

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:172684205101227976

Out: 0.003+/-0.000 χ^2/NDF:180401505498926686

All: 0.000+/-0.000 χ^2/NDF: 39781843529151



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/18

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/16

Left: 0.000+/-0.000 χ^2/NDF: 265429571242558596

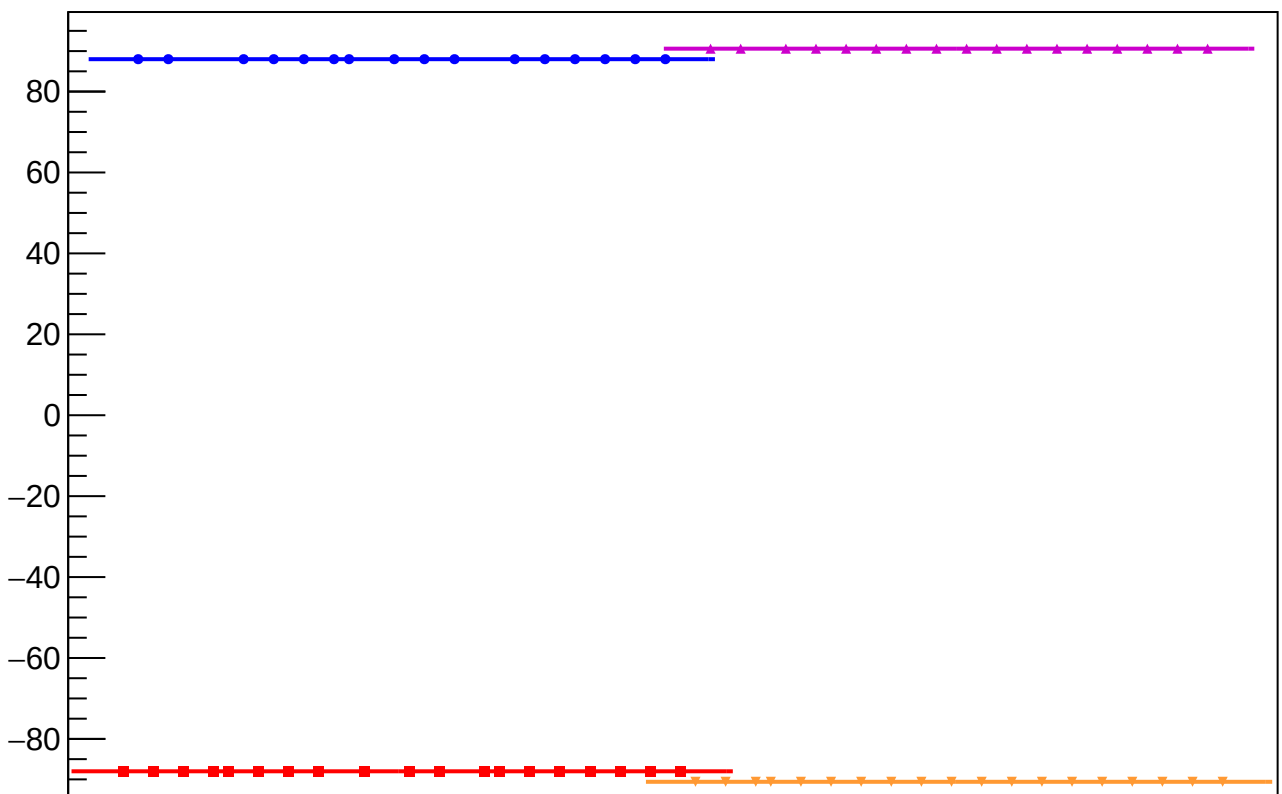
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:172684205101227976

Out: 0.003+/-0.000 χ^2/NDF:180401505498926686

All: 0.000+/-0.000 χ^2/NDF: 39781843529151

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:4594325.9/18

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:4636129.2/16

Left: -3.296+/-0.000 χ^2/NDF: 24788851577167444

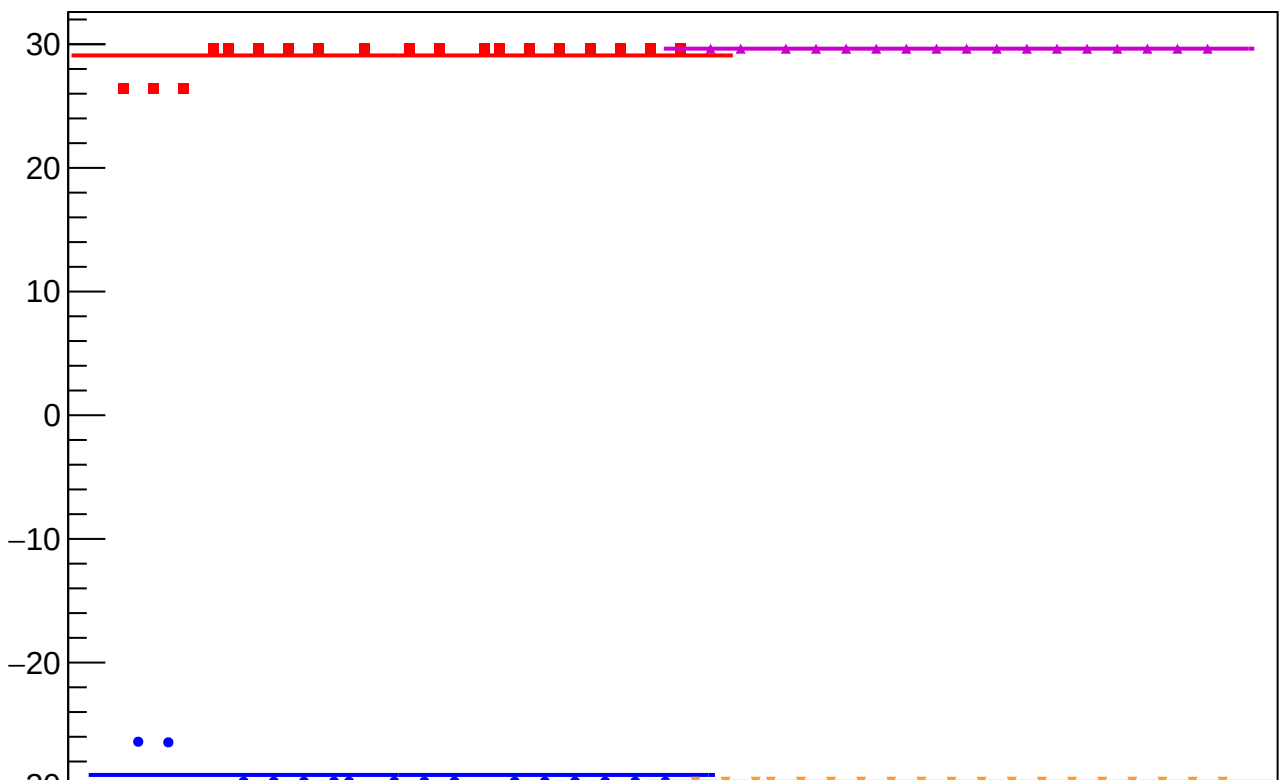
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.723+/-0.000 χ^2/NDF:331685778410405081

Out: -89.749+/-0.000 χ^2/NDF:3457955668335177

All: -2.629+/-0.000 χ^2/NDF: 3643792530575

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.085+/-0.000 χ^2/NDF: 10943678852516098773550364119531520.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:200219.2/18

Right Out: 29.093+/-0.000 χ^2/NDF: 11252381567496928497978058997760000.0/18

Left In: 29.641+/-0.000 χ^2/NDF:86421.3/16

Left: -1.078+/-0.000 χ^2/NDF: 265328410873670760

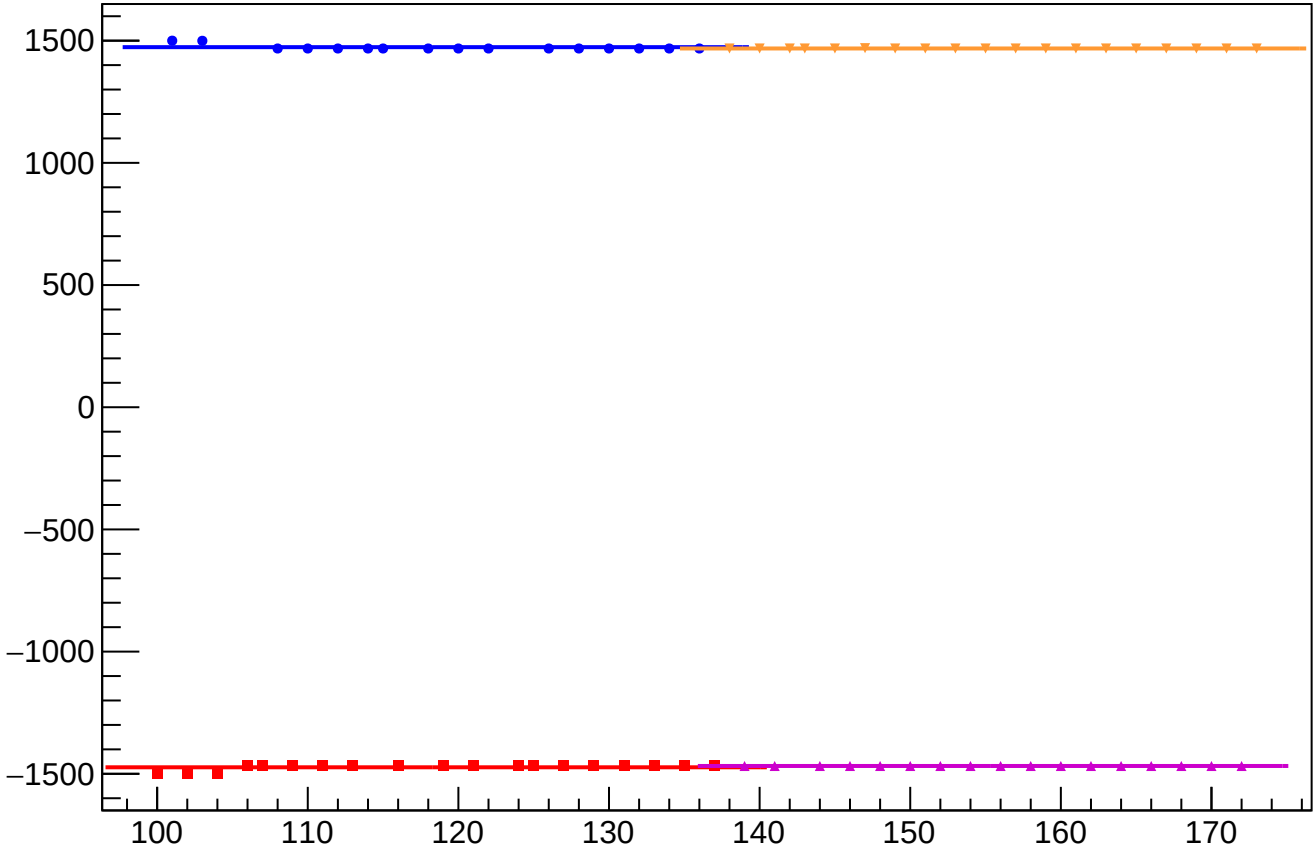
Right: 0.429+/-0.000 χ^2/NDF: 12746007522578358

In: 9.843+/-0.000 χ^2/NDF:1695090564153389885

Out: -10.407+/-0.000 χ^2/NDF:1771279720525799

All: -0.577+/-0.000 χ^2/NDF: 3930167399600

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1468.065+/-0.000 χ^2/NDF:13803242291165767431090175003852 8.0/18

Right Out: -1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062 2336.0/18

Left In: -1467.992+/-0.000 χ^2/NDF:13635470140690554821619482624 0.0/16

Left: 53.437+/-0.000 χ^2/NDF: 650842306046443 20

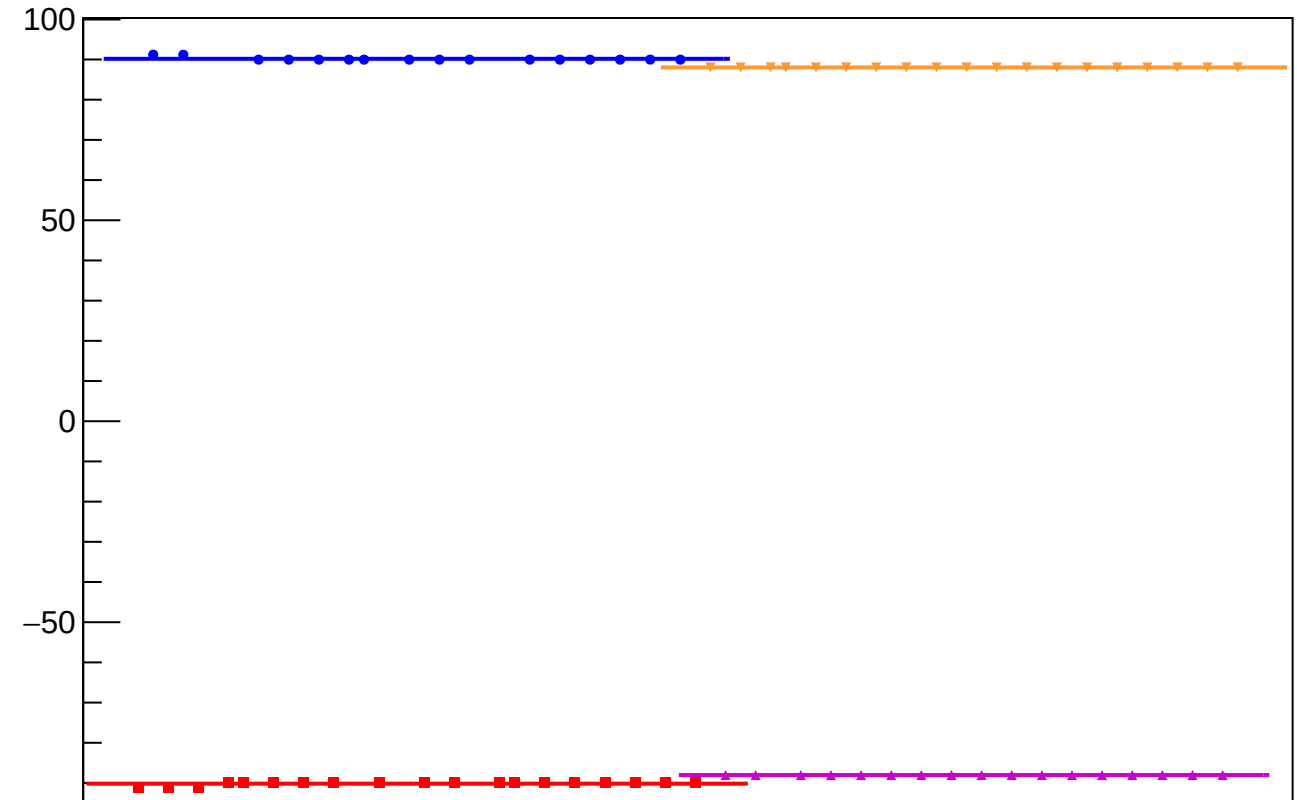
Right: -21.516+/-0.000 χ^2/NDF: 32646973859146 00

In: -476.353+/-0.000 χ^2/NDF:42499779322332 54

Out: 504.832+/-0.000 χ^2/NDF:44399063712142 49

All: 28.541+/-0.000 χ^2/NDF: 97787633214 40

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:3866907.8/18

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:4357440.4/16

Left: 3.202+/-0.000 χ^2/NDF: 233978751712239080

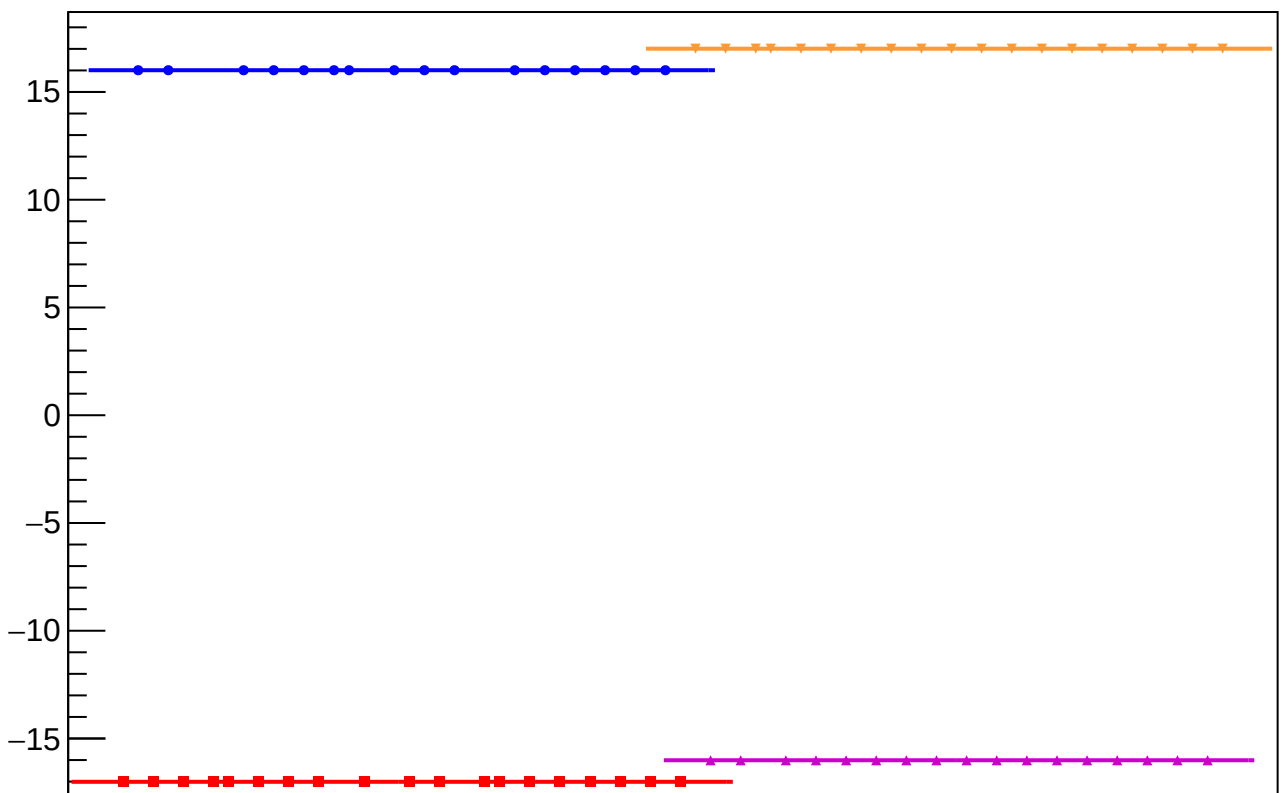
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: -27.947+/-0.000 χ^2/NDF:15596891450053029

Out: 29.669+/-0.000 χ^2/NDF:1629322058780511

All: 1.701+/-0.000 χ^2/NDF: 3564479089158

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:2336772357728227059931545 6.0/18

Right Out: -17.009+/-0.000 χ^2/NDF: 1387898731303674326076620 8.0/18

Left In: -16.009+/-0.000 χ^2/NDF:1229584261016533231206 40.0/16

Left: 1.039+/-0.000 χ^2/NDF: 75826187210793599

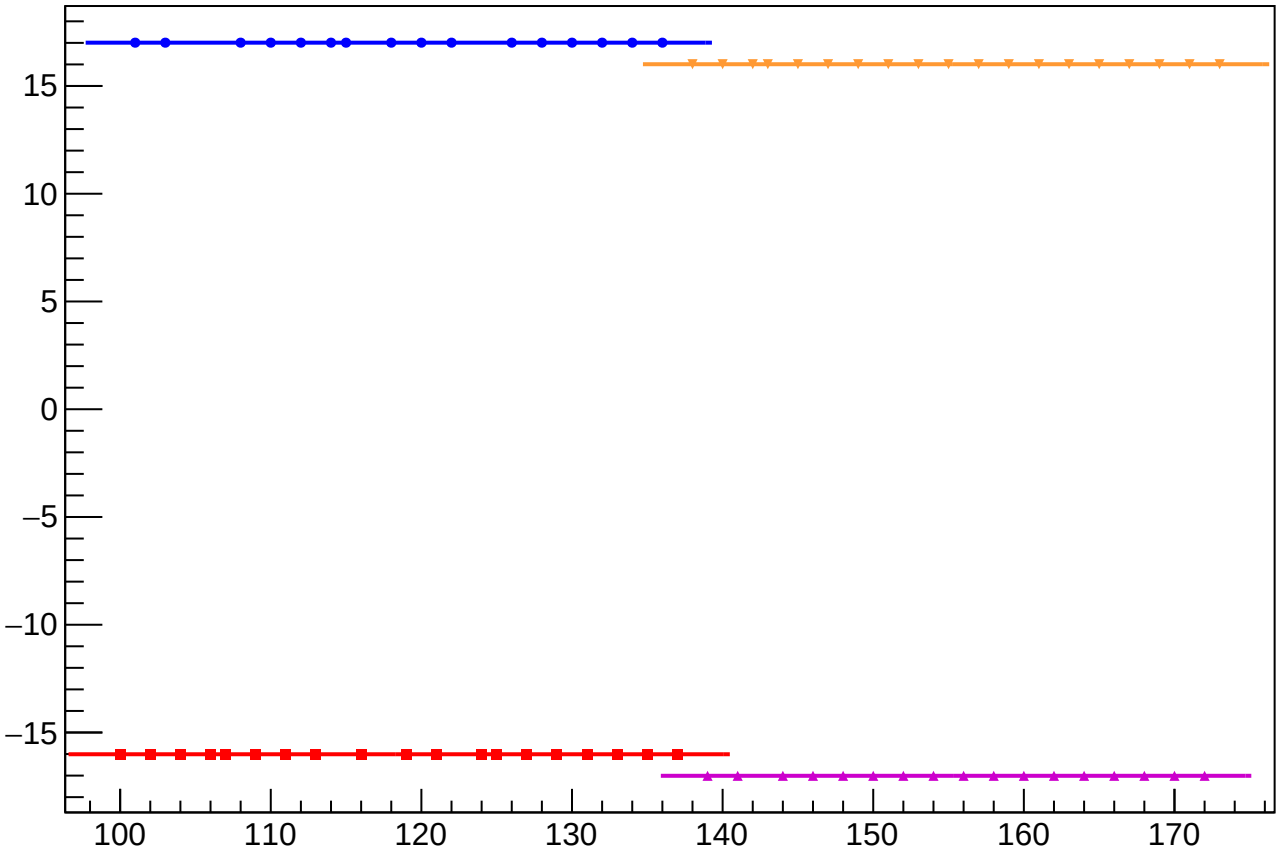
Right: -0.393+/-0.000 χ^2/NDF: 3802025477299216

In: -5.040+/-0.000 χ^2/NDF:473120137019708973

Out: 5.946+/-0.000 χ^2/NDF:541177720252079680

All: 0.561+/-0.000 χ^2/NDF: 1140372555836

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:72865.5/18

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:109428332044985173016576.0/16

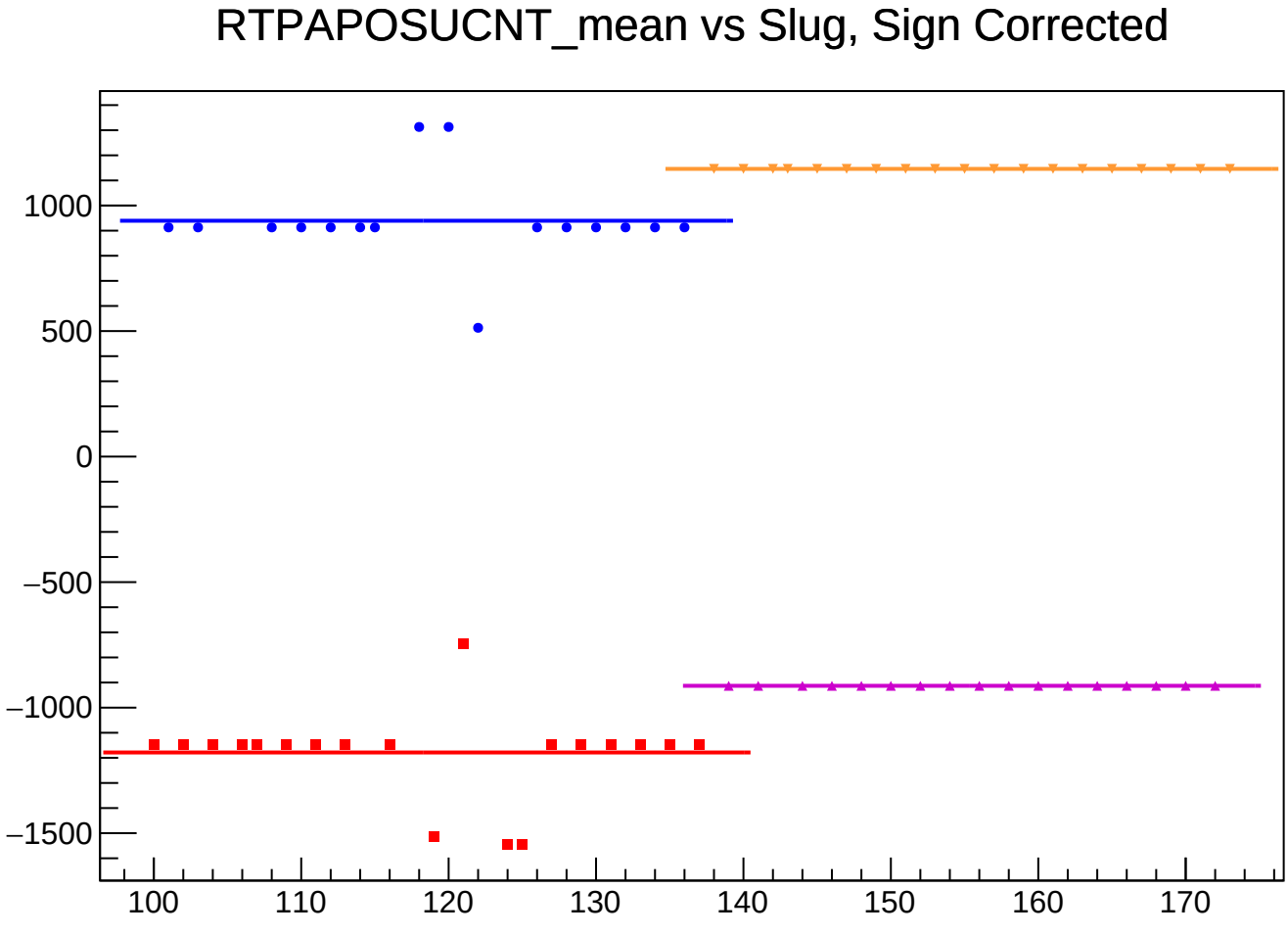
Left: 0.154+/-0.000 χ^2/NDF: 810407588407233851

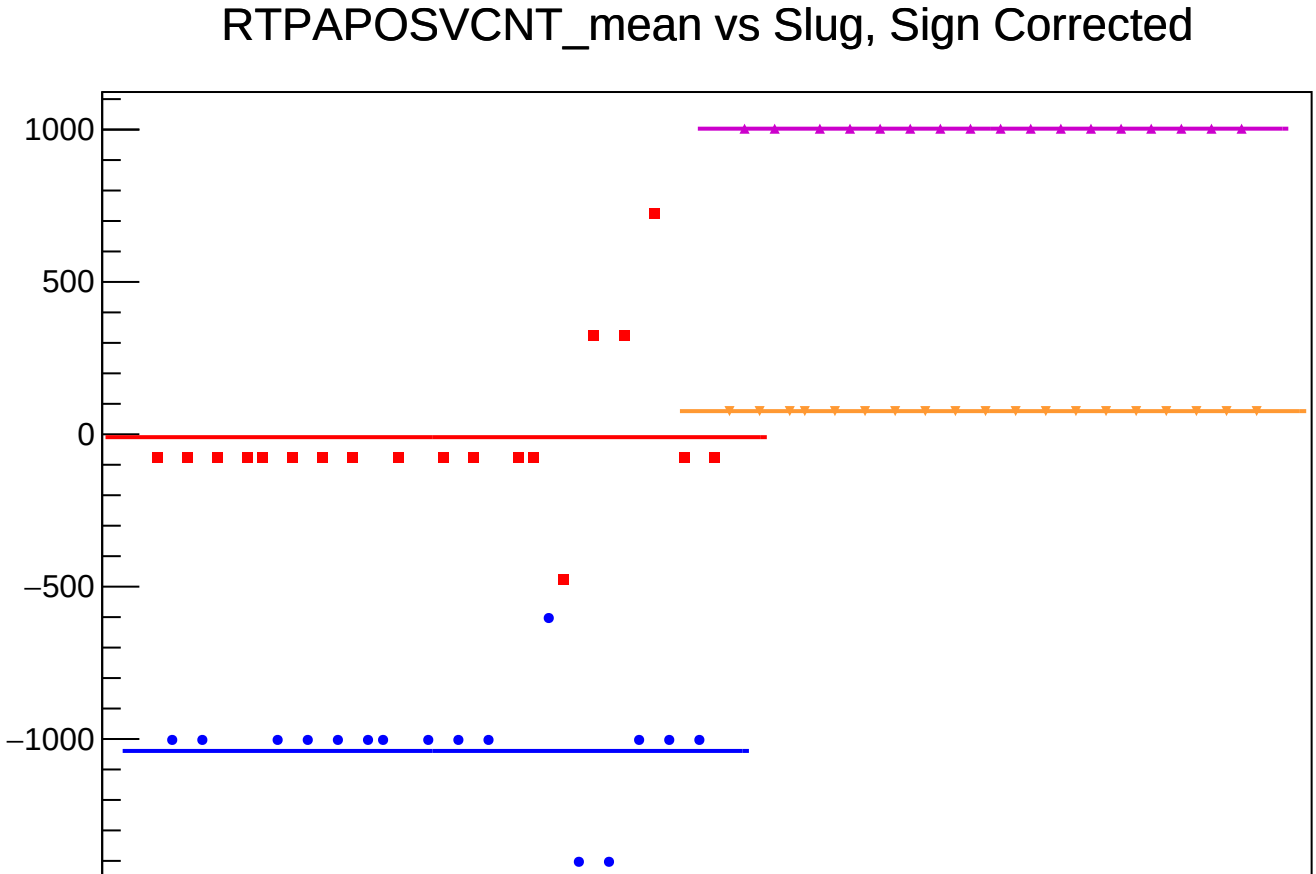
Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

In: -5.755+/-0.000 χ^2/NDF:54750435323495025

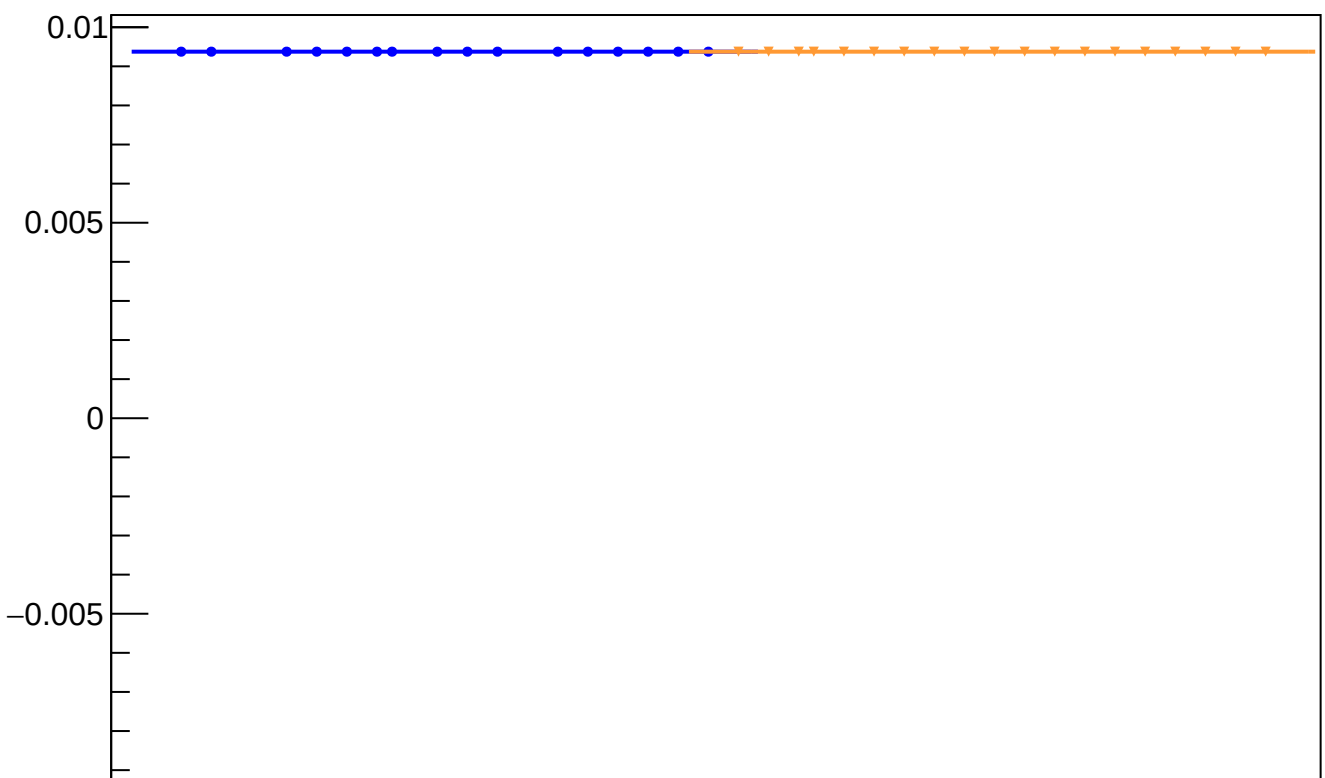
Out: 5.475+/-0.000 χ^2/NDF:52212427371566227

All: 0.075+/-0.000 χ^2/NDF: 1209533507222


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
Right In: 939.446+/-0.000 χ²/NDF: 21082933856092788763552768673189986304.0/15
Left Out: 1146.011+/-0.000 χ²/NDF:5401342514181686087842267136.0/18
Right Out: -1178.513+/-0.000 χ²/NDF: 22140259958123277565481106114837741568.0/18
Left In: -912.994+/-0.000 χ²/NDF:178490412838919266798109982 72.0/16
Left: 153.957+/-0.000 χ²/NDF: 3200824309780739
Right: -135.024+/-0.000 χ²/NDF: 17295046801044
In: -288.491+/-0.000 χ²/NDF:1706621233645217
Out: 384.804+/-0.000 χ²/NDF:279485876874173
All: 57.971+/-0.000 χ²/NDF: 5014209698188


RTPAPOSVCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
Left: 522.641+/-0.000 χ²/NDF: 6487629443855823
Right In: -1039.157+/-0.000 χ²/NDF: 228703773085071640027081015550845911040/15
Right: -516.762+/-0.000 χ²/NDF: 467529284129883
Left Out: 76.011+/-0.000 χ²/NDF:9980564280316573320438874112.0/18
In: 314.532+/-0.000 χ²/NDF:207131287445609055
Right Out: -9.430+/-0.000 χ²/NDF: 460573947349287664748937365260515409920/18
Out: 48.032+/-0.000 χ²/NDF:498034210260508477
Left In: 1002.990+/-0.000 χ²/NDF:2355265975002065372253782016.0/16
All: 177.397+/-0.000 χ²/NDF: 220144501826

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:0.0/18

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/16

Left: 0.000+/-0.000 χ^2/NDF: 265429571242558596

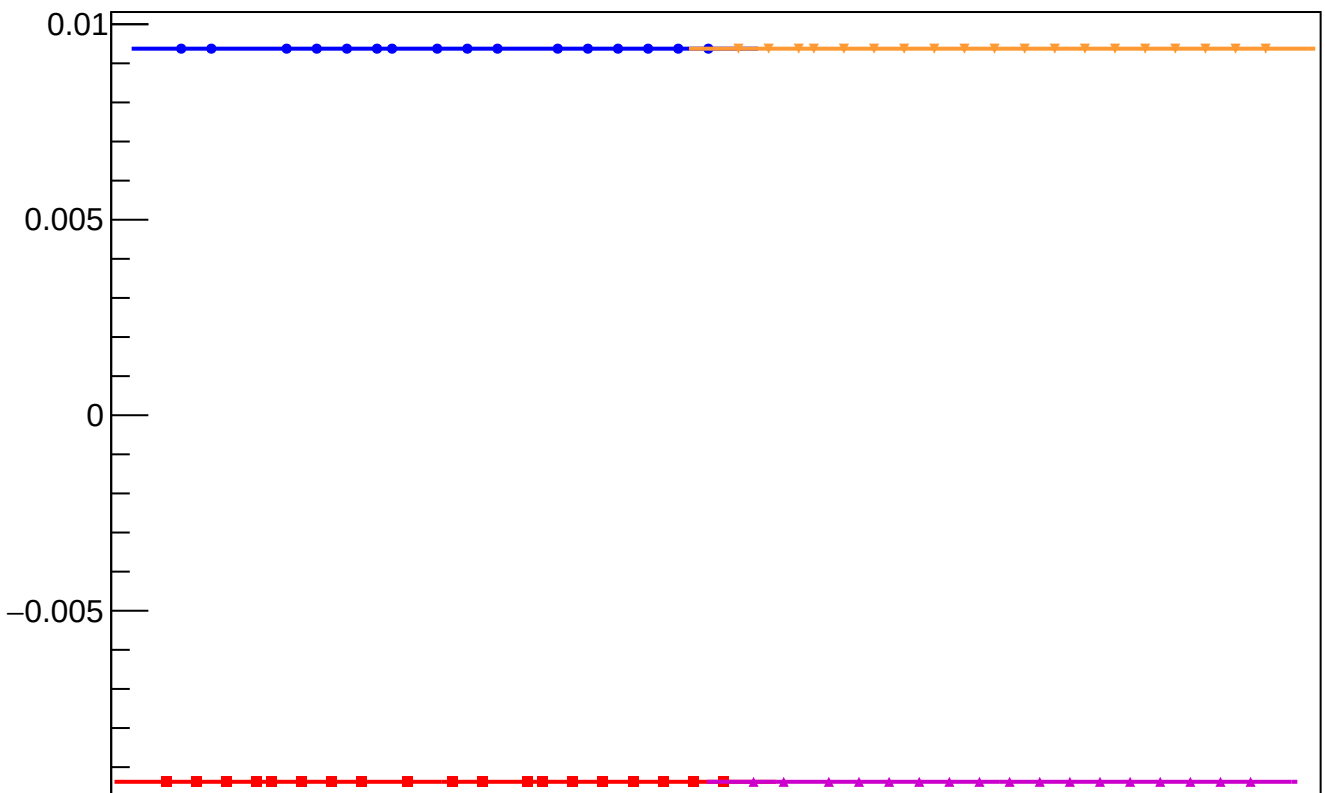
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:172684205101227976

Out: 0.003+/-0.000 χ^2/NDF:180401505498926686

All: 0.000+/-0.000 χ^2/NDF: 39781843529151

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:0.0/18

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/16

Left: 0.000+/-0.000 χ^2/NDF: 265429571242558596

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:172684205101227976

Out: 0.003+/-0.000 χ^2/NDF:180401505498926686

All: 0.000+/-0.000 χ^2/NDF: 39781843529151