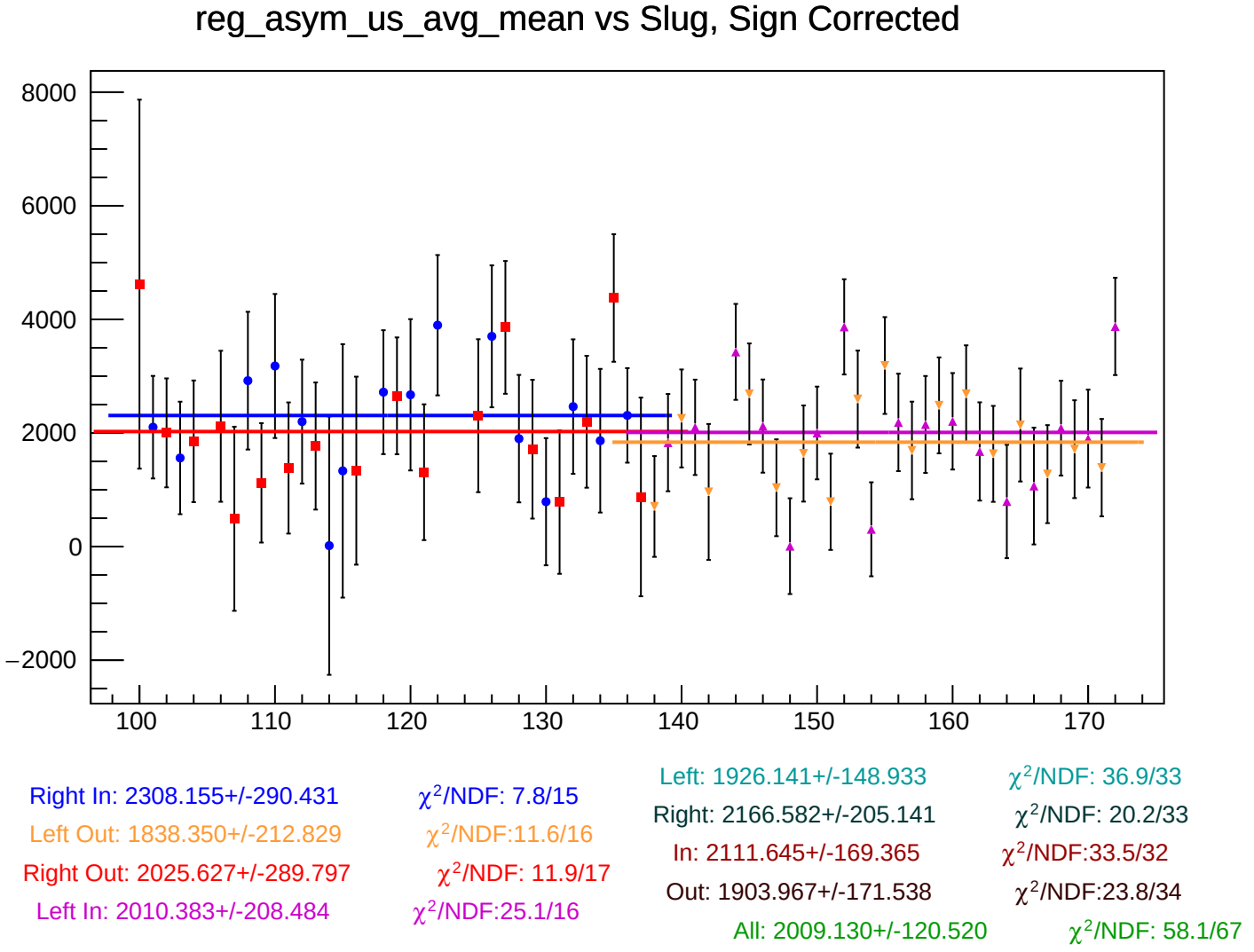
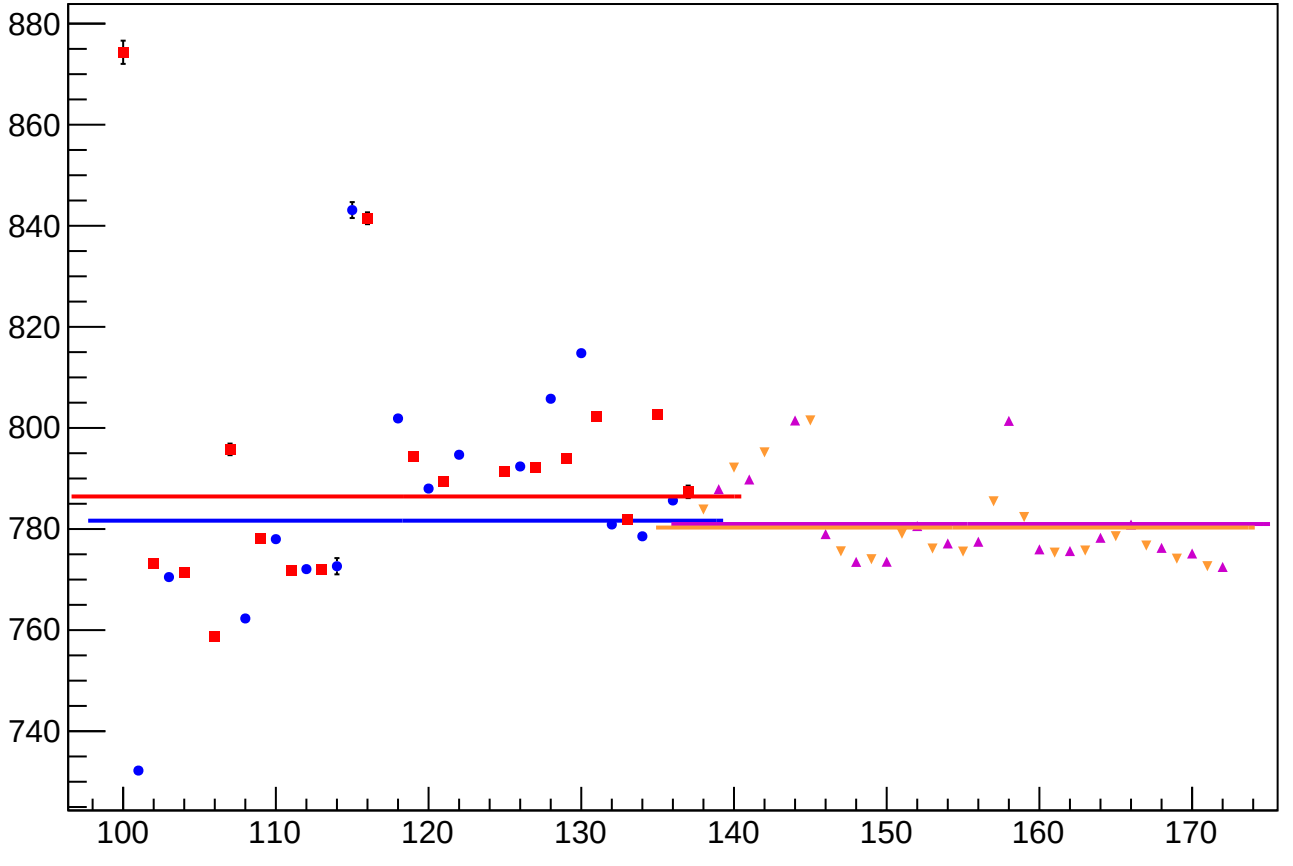

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: 2308.155+/-290.431
χ²/NDF: 7.8/15
Left Out: 1838.350+/-212.829
χ²/NDF:11.6/16
Right Out: 2025.627+/-289.797
χ²/NDF: 11.9/17
Left In: 2010.383+/-208.484
χ²/NDF:25.1/16
Left: 1926.141+/-148.933
χ²/NDF: 36.9/33
Right: 2166.582+/-205.141
χ²/NDF: 20.2/33
In: 2111.645+/-169.365
χ²/NDF:33.5/32
Out: 1903.967+/-171.538
χ²/NDF:23.8/34
All: 2009.130+/-120.520
χ²/NDF: 58.1/67

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 780.294+/-0.150 χ^2/NDF:2651.9/16

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

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

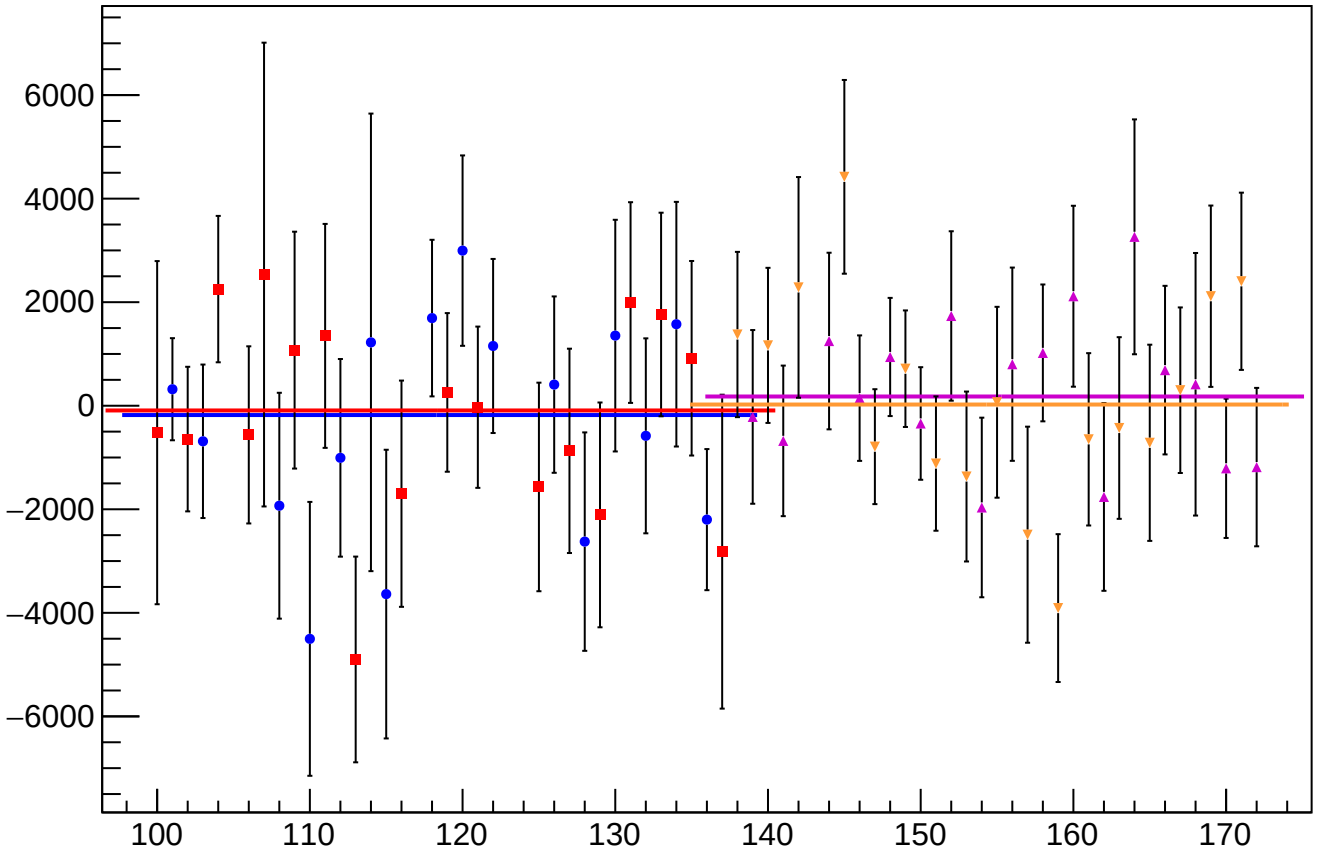
Left: 780.650+/-0.105 χ^2/NDF: 6260.1/33

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

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

Out: 782.448+/-0.121 χ^2/NDF:10438.6/34

All: 781.825+/-0.085 χ^2/NDF: 26413.8/67



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

Left Out: 23.196+/-379.365 χ^2/NDF:23.2/16

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

Left In: 178.269+/-368.324 χ^2/NDF:10.6/16

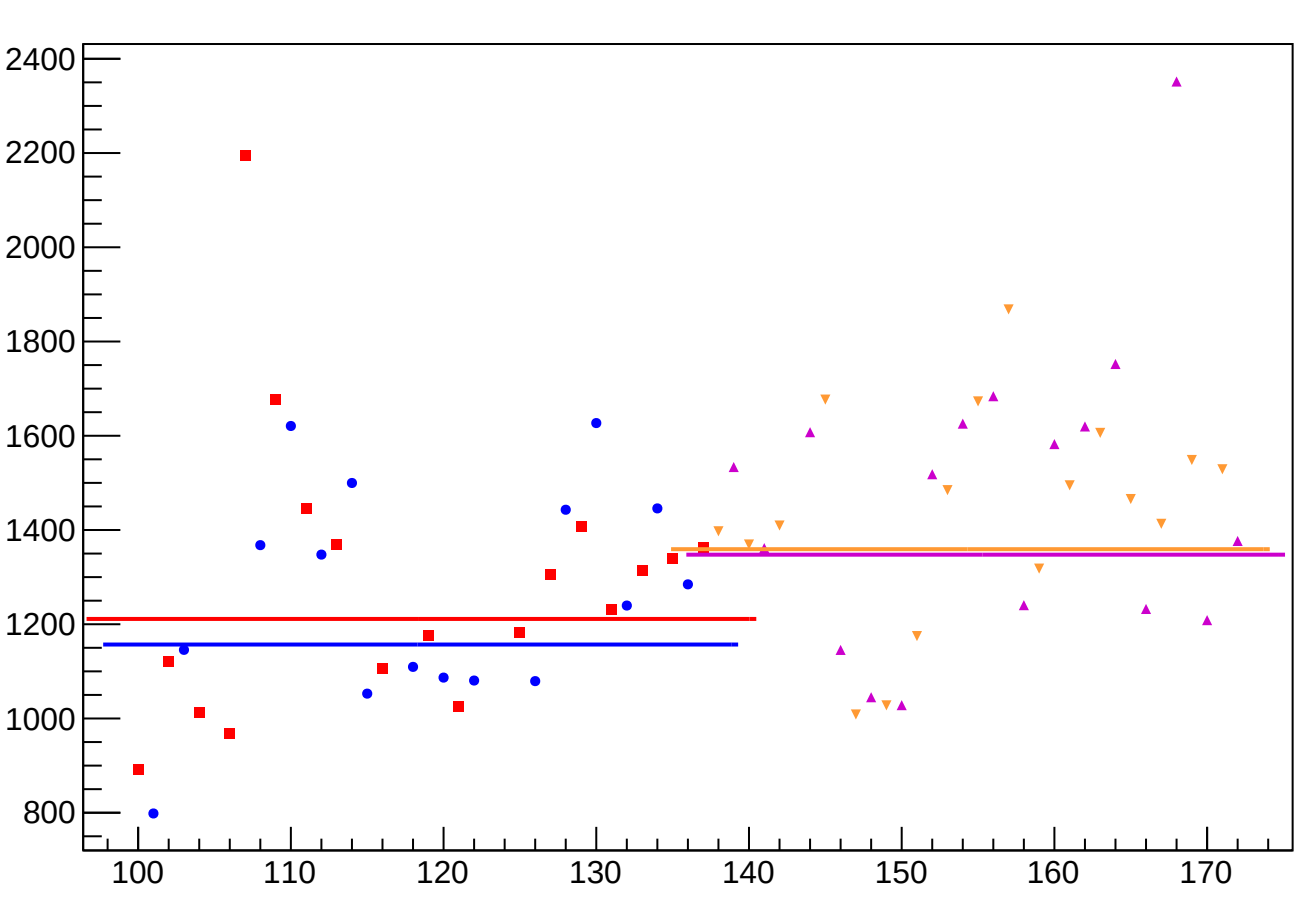
Left: 103.022+/-264.261 χ^2/NDF: 33.9/33

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

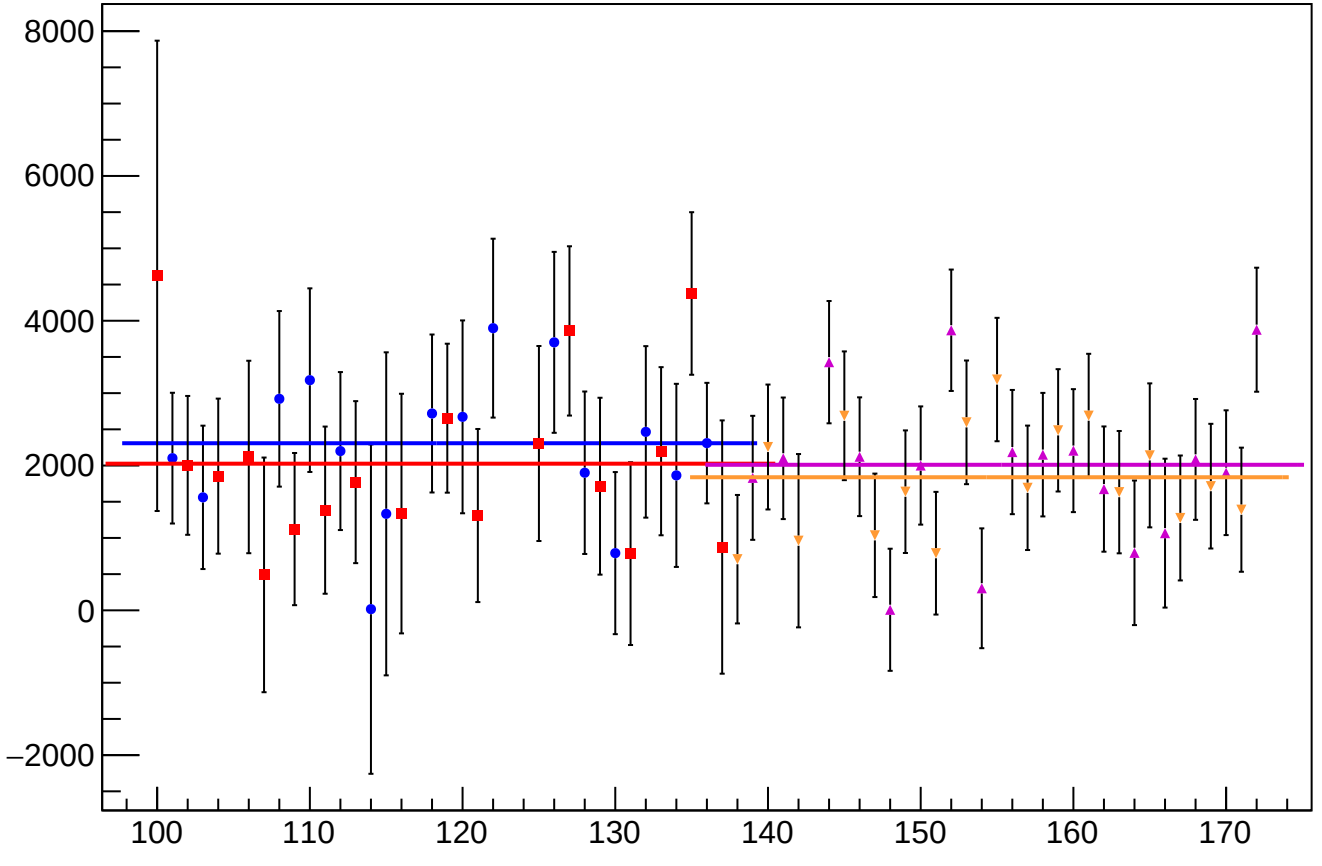
In: 30.988+/-282.634 χ^2/NDF:26.4/32

Out: -23.776+/-291.324 χ^2/NDF:38.4/34

All: 4.435+/-202.855 χ^2/NDF: 64.8/67


asym_us_avg_reg_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: 1156.948+/-0.312 χ²/NDF: 569119.8/15
Left Out: 1359.291+/-0.268 χ²/NDF:768154.1/16
Right Out: 1211.264+/-0.322 χ²/NDF: 397714.5/17
Left In: 1347.644+/-0.260 χ²/NDF:1081692.8/16
Left: 1353.296+/-0.187 χ²/NDF: 1850817.3/33
Right: 1183.255+/-0.224 χ²/NDF: 981543.7/33
In: 1269.235+/-0.200 χ²/NDF:1871244.6/32
Out: 1298.557+/-0.206 χ²/NDF:1290805.5/34
All: 1283.452+/-0.143 χ²/NDF: 3172487.1/67

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1838.350+/-212.829 χ^2/NDF:11.6/16

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: 1926.141+/-148.933 χ^2/NDF: 36.9/33

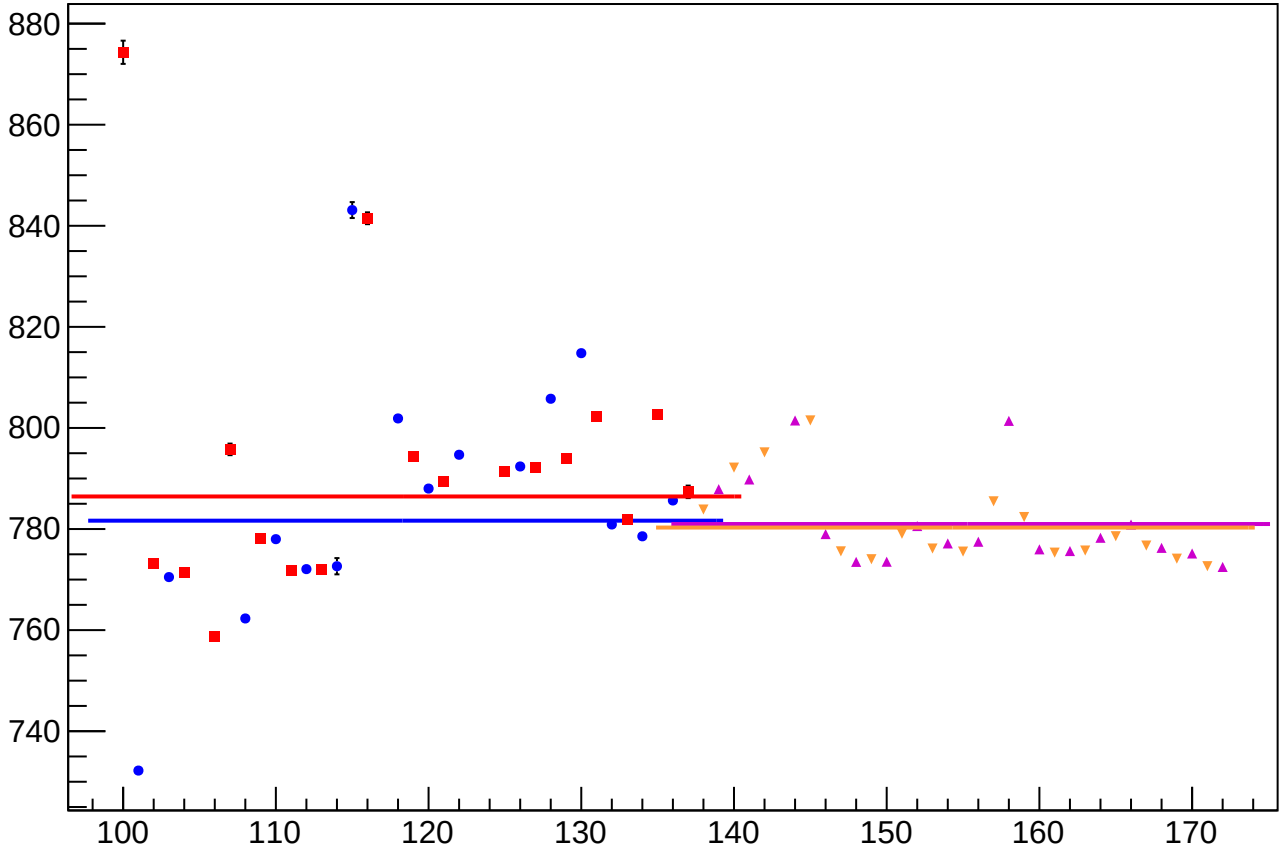
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

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

Out: 1903.967+/-171.538 χ^2/NDF:23.8/34

All: 2009.130+/-120.520 χ^2/NDF: 58.1/67

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 780.294+/-0.150 χ^2/NDF:2651.9/16

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

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

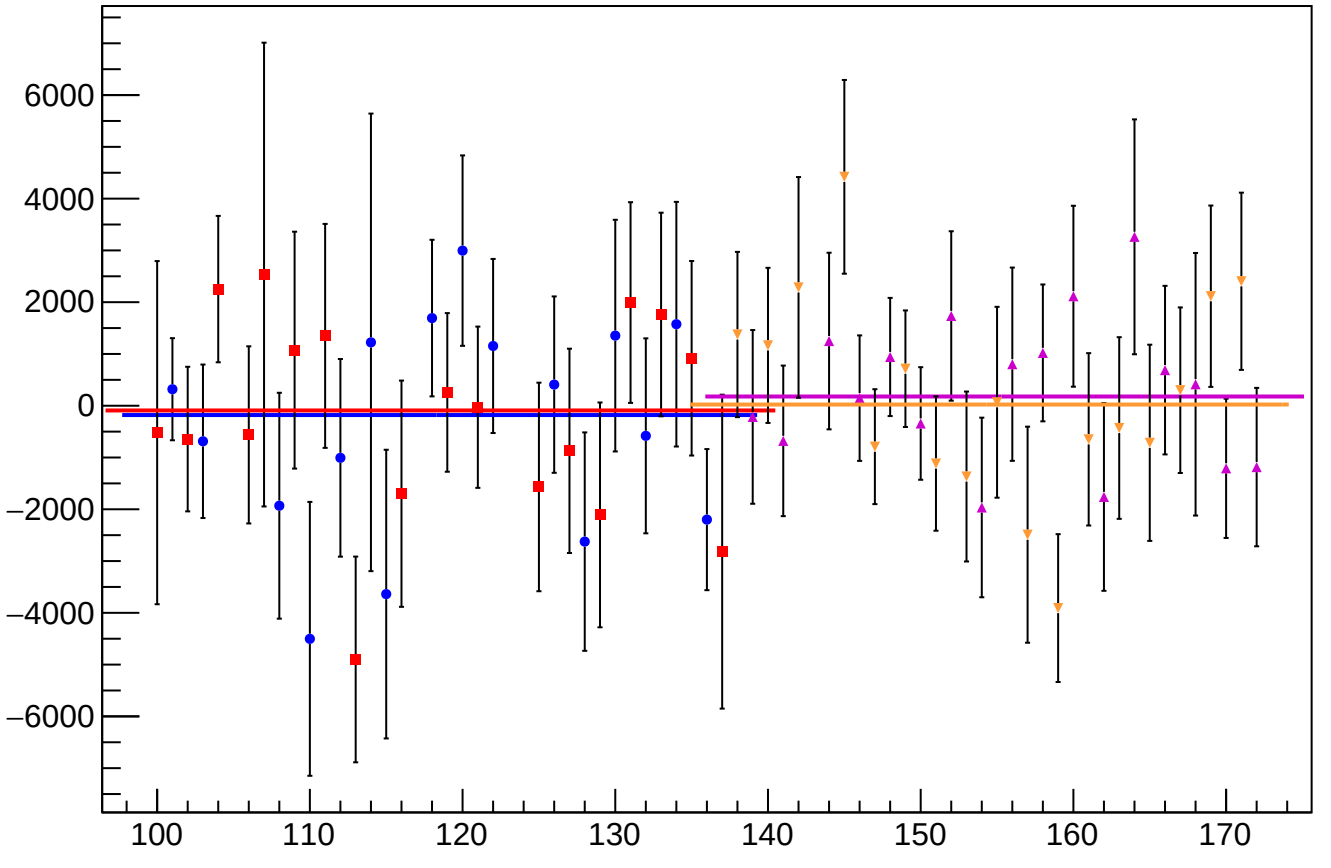
Left: 780.650+/-0.105 χ^2/NDF: 6260.1/33

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

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

Out: 782.448+/-0.121 χ^2/NDF:10438.6/34

All: 781.825+/-0.085 χ^2/NDF: 26413.8/67



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

Left Out: 23.196+/-379.365 χ^2/NDF:23.2/16

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

Left In: 178.269+/-368.324 χ^2/NDF:10.6/16

Left: 103.022+/-264.261 χ^2/NDF: 33.9/33

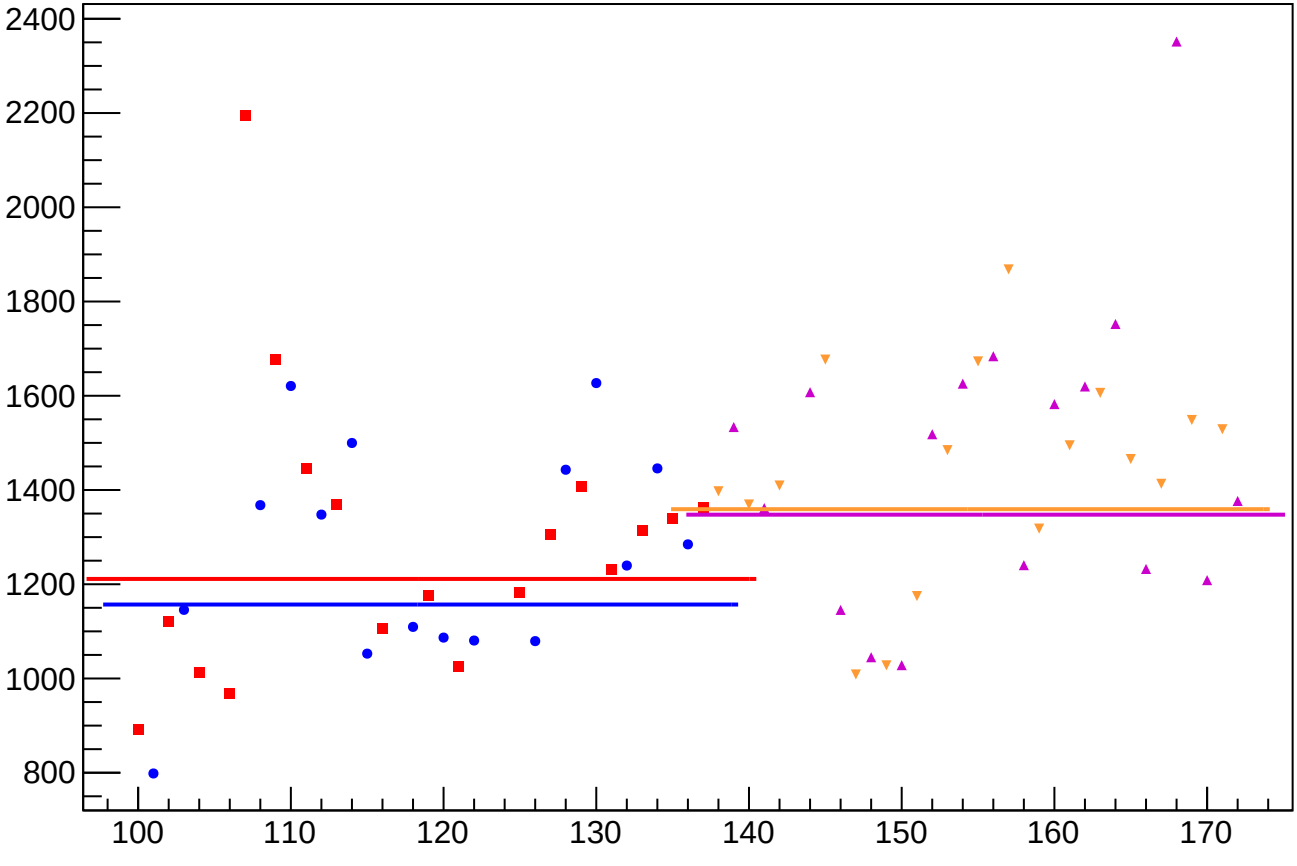
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 30.988+/-282.634 χ^2/NDF:26.4/32

Out: -23.776+/-291.324 χ^2/NDF:38.4/34

All: 4.435+/-202.855 χ^2/NDF: 64.8/67

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1359.291+/-0.268 χ^2/NDF:768154.1/16

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

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

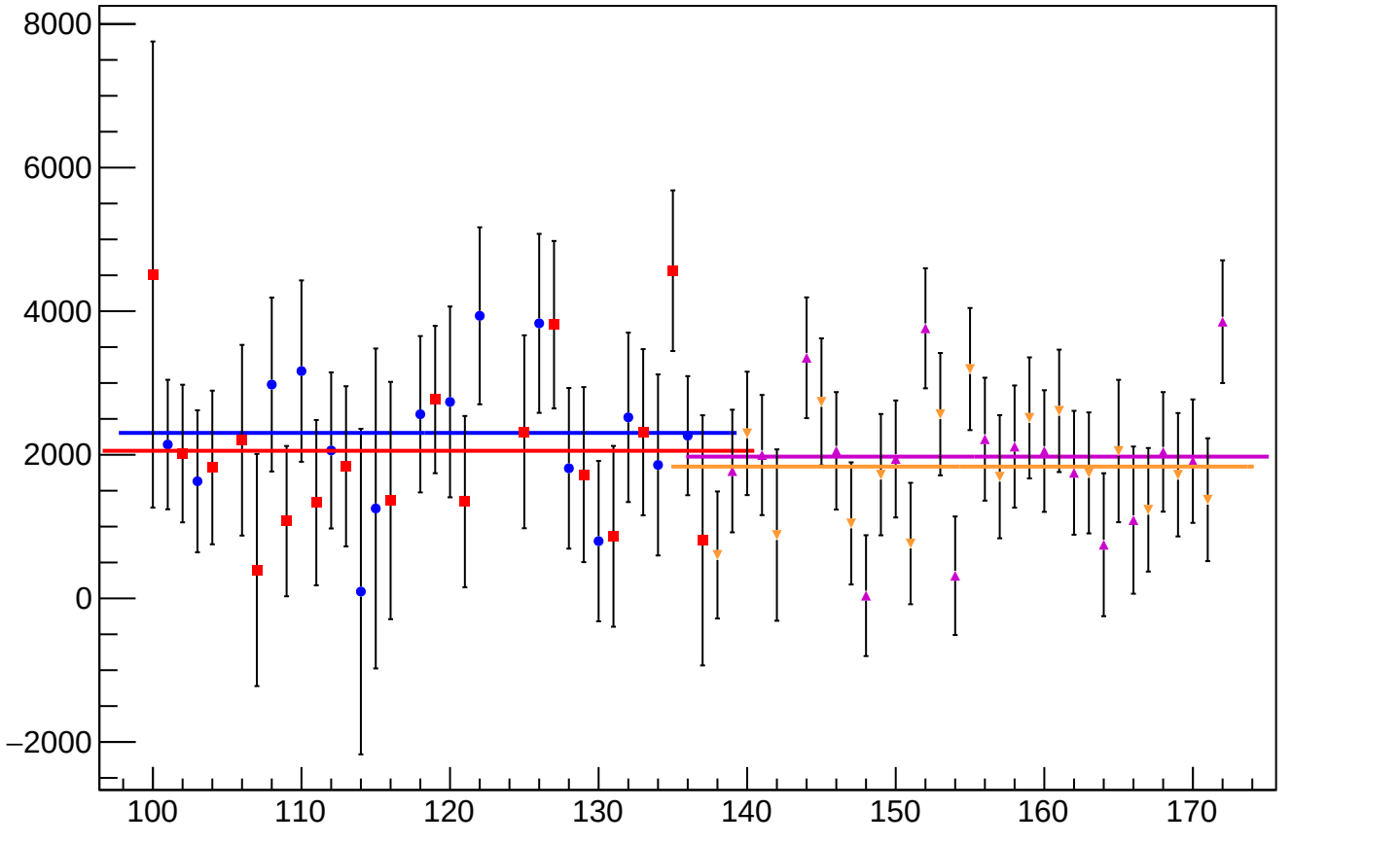
Left: 1353.296+/-0.187 χ^2/NDF: 1850817.3/33

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

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

Out: 1298.557+/-0.206 χ^2/NDF:1290805.5/34

All: 1283.452+/-0.143 χ^2/NDF: 3172487.1/67


overload_cor_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
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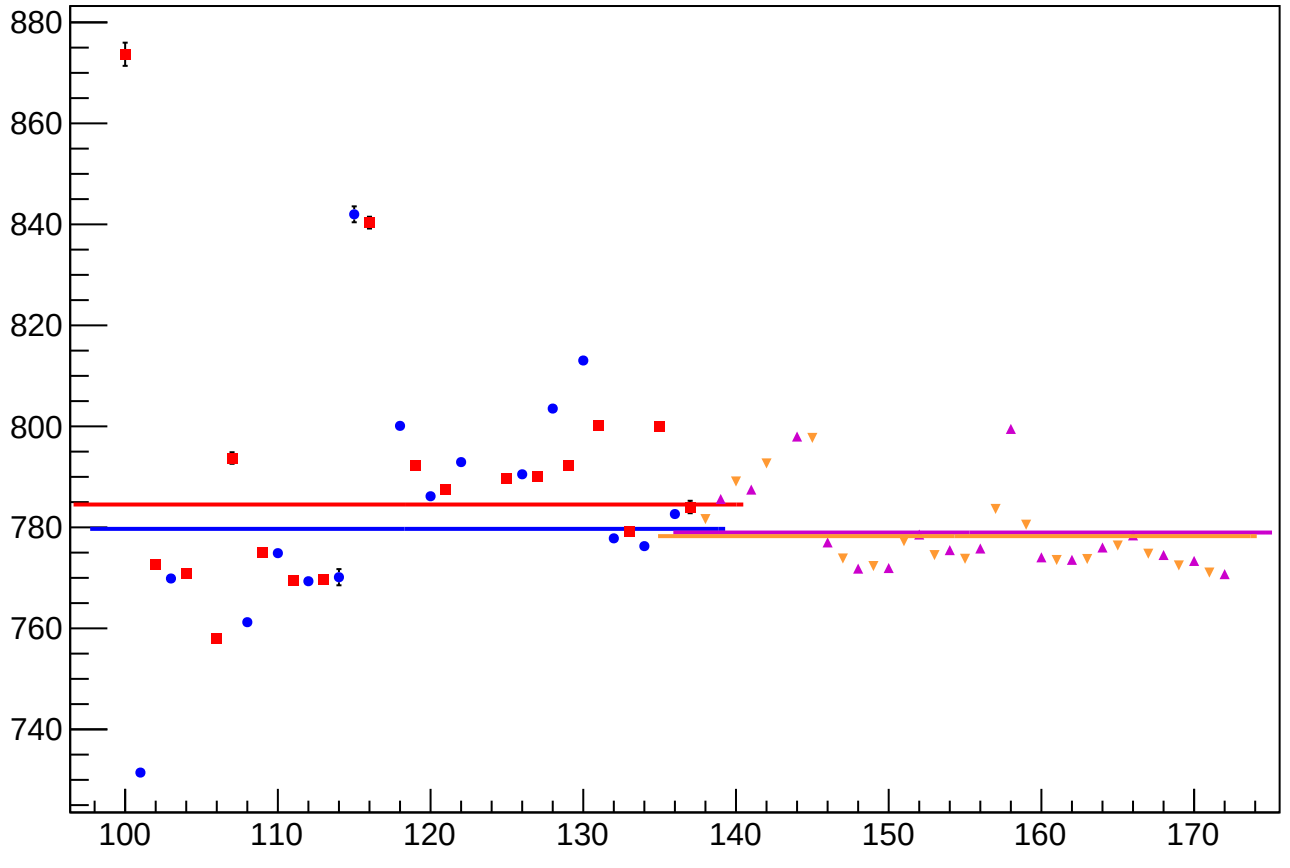
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: 2304.852+/-289.704 χ²/NDF: 8.1/15
Left Out: 1835.738+/-212.272 χ²/NDF:12.0/16
Right Out: 2055.666+/-289.090 χ²/NDF: 12.9/17
Left In: 1974.452+/-207.945 χ²/NDF:23.9/16
Left: 1906.523+/-148.546 χ²/NDF: 36.2/33
Right: 2179.995+/-204.634 χ²/NDF: 21.3/33
In: 2086.797+/-168.932 χ²/NDF:32.9/32
Out: 1912.778+/-171.100 χ²/NDF:25.3/34
All: 2000.897+/-120.212 χ²/NDF: 58.7/67



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

Left Out: 778.263+/-0.150 χ^2/NDF:2339.0/16

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

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

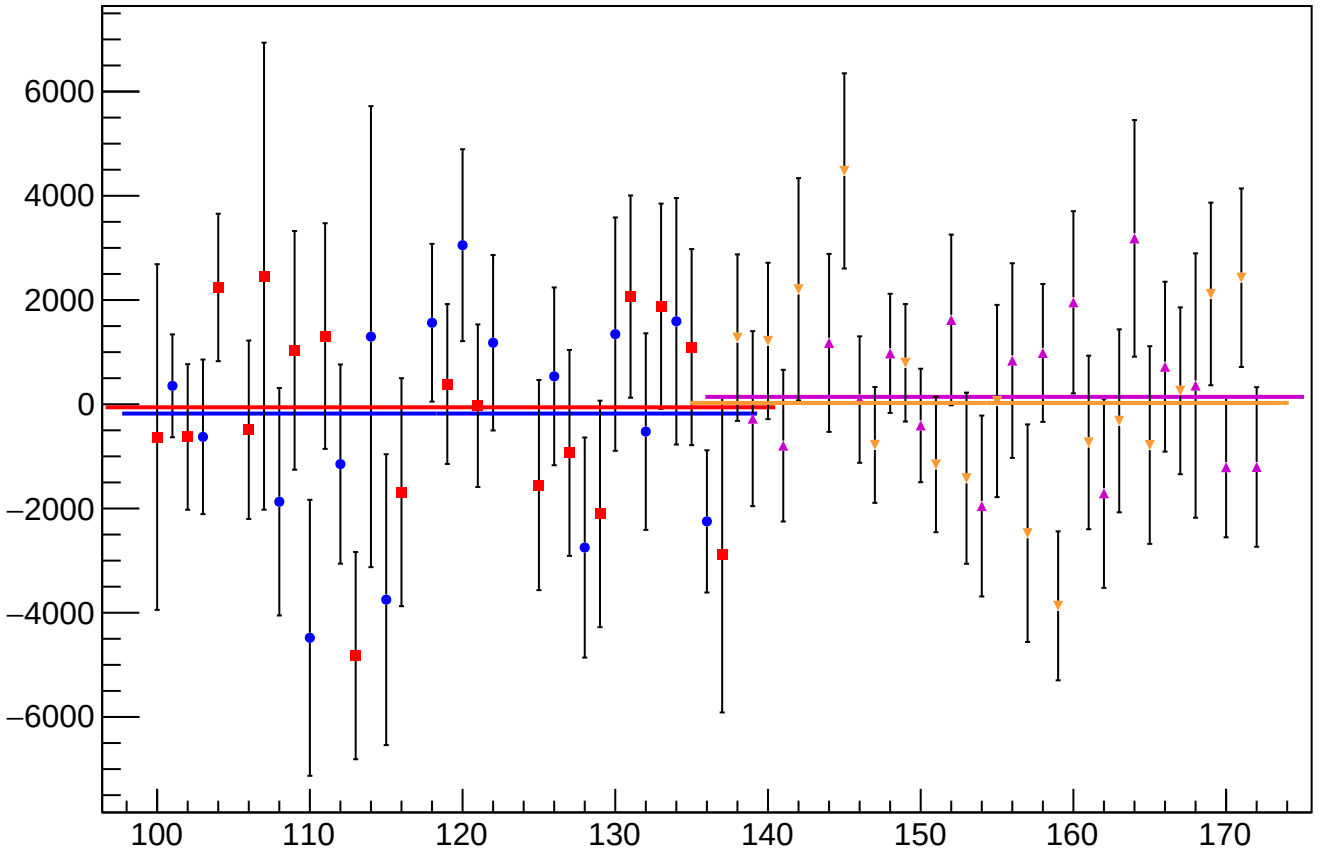
Left: 778.628+/-0.105 χ^2/NDF: 5722.0/33

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

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

Out: 780.457+/-0.121 χ^2/NDF:10108.5/34

All: 779.832+/-0.085 χ^2/NDF: 25601.1/67



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

Left Out: 25.071+/-379.715 χ^2/NDF:23.2/16

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

Left In: 141.619+/-368.662 χ^2/NDF:10.3/16

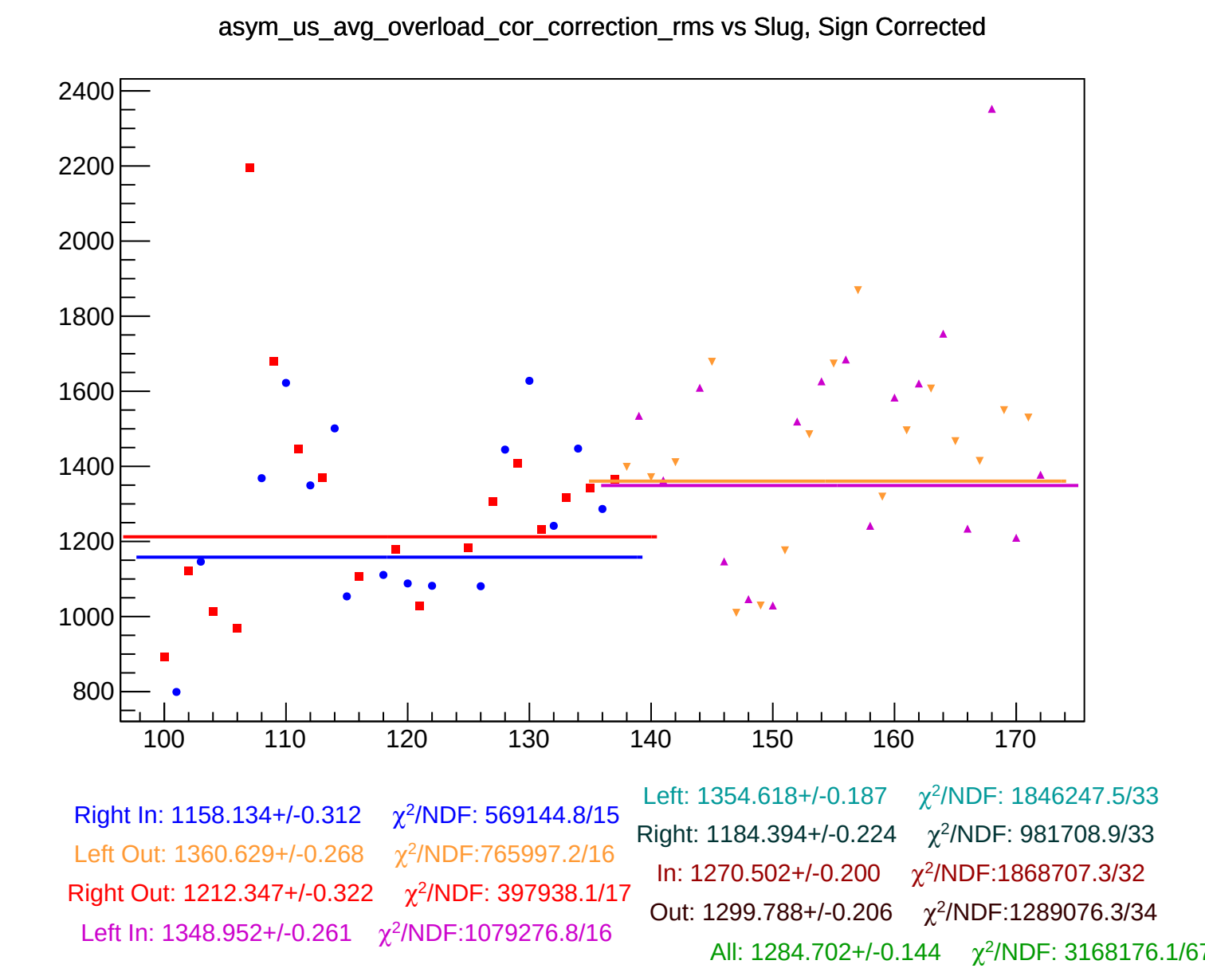
Left: 85.066+/-264.505 χ^2/NDF: 33.5/33

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

In: 10.028+/-282.904 χ^2/NDF:26.3/32

Out: -9.030+/-291.589 χ^2/NDF:38.5/34

All: 0.787+/-203.045 χ^2/NDF: 64.8/67


asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
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1400
1200
1000
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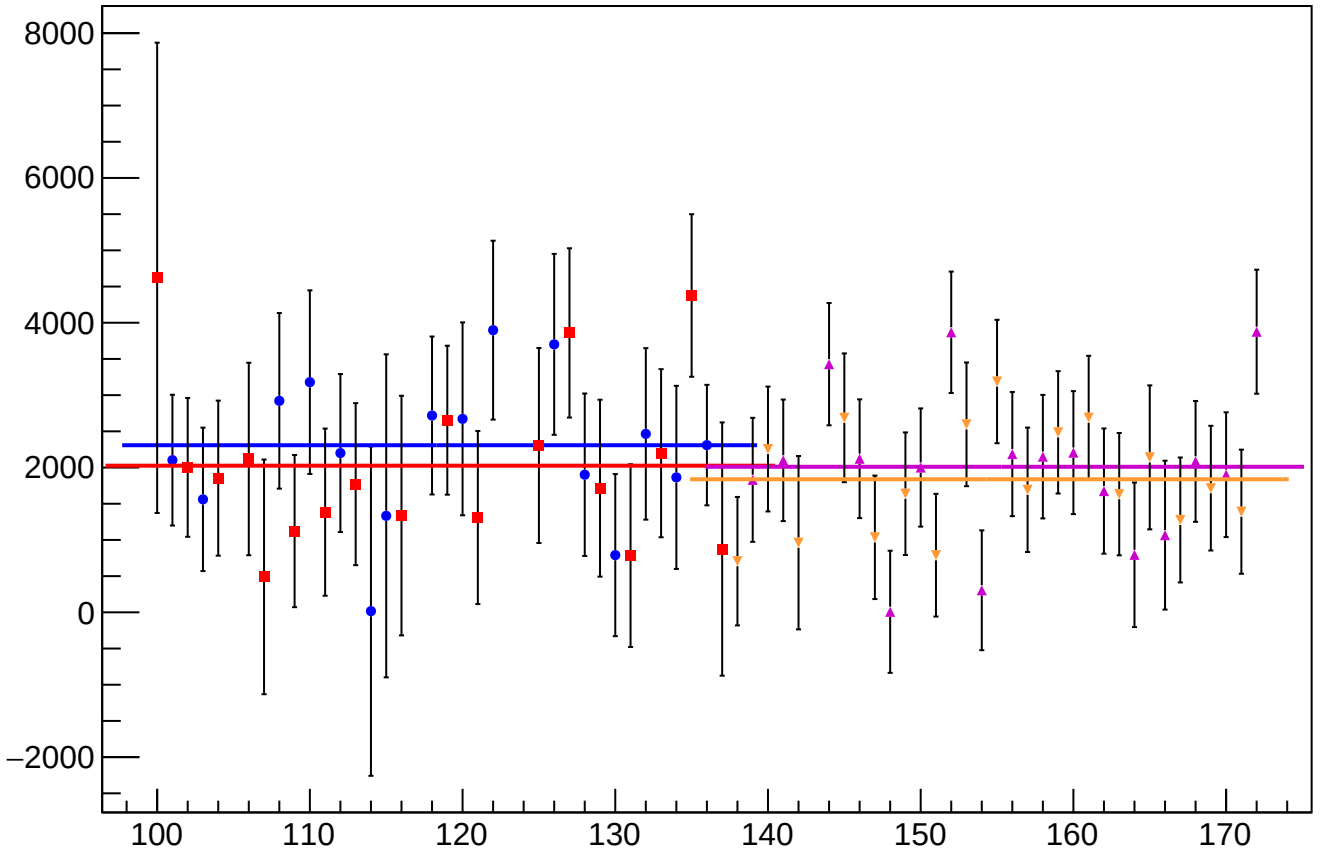
100
110
120
130
140
150
160
170
Right In: 1158.134+/-0.312 χ²/NDF: 569144.8/15
Left Out: 1360.629+/-0.268 χ²/NDF:765997.2/16
Right Out: 1212.347+/-0.322 χ²/NDF: 397938.1/17
Left In: 1348.952+/-0.261 χ²/NDF:1079276.8/16
Left: 1354.618+/-0.187 χ²/NDF: 1846247.5/33
Right: 1184.394+/-0.224 χ²/NDF: 981708.9/33
In: 1270.502+/-0.200 χ²/NDF:1868707.3/32
Out: 1299.788+/-0.206 χ²/NDF:1289076.3/34
All: 1284.702+/-0.144 χ²/NDF: 3168176.1/67



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

Left Out: 1838.350+/-212.829 χ^2/NDF:11.6/16

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

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

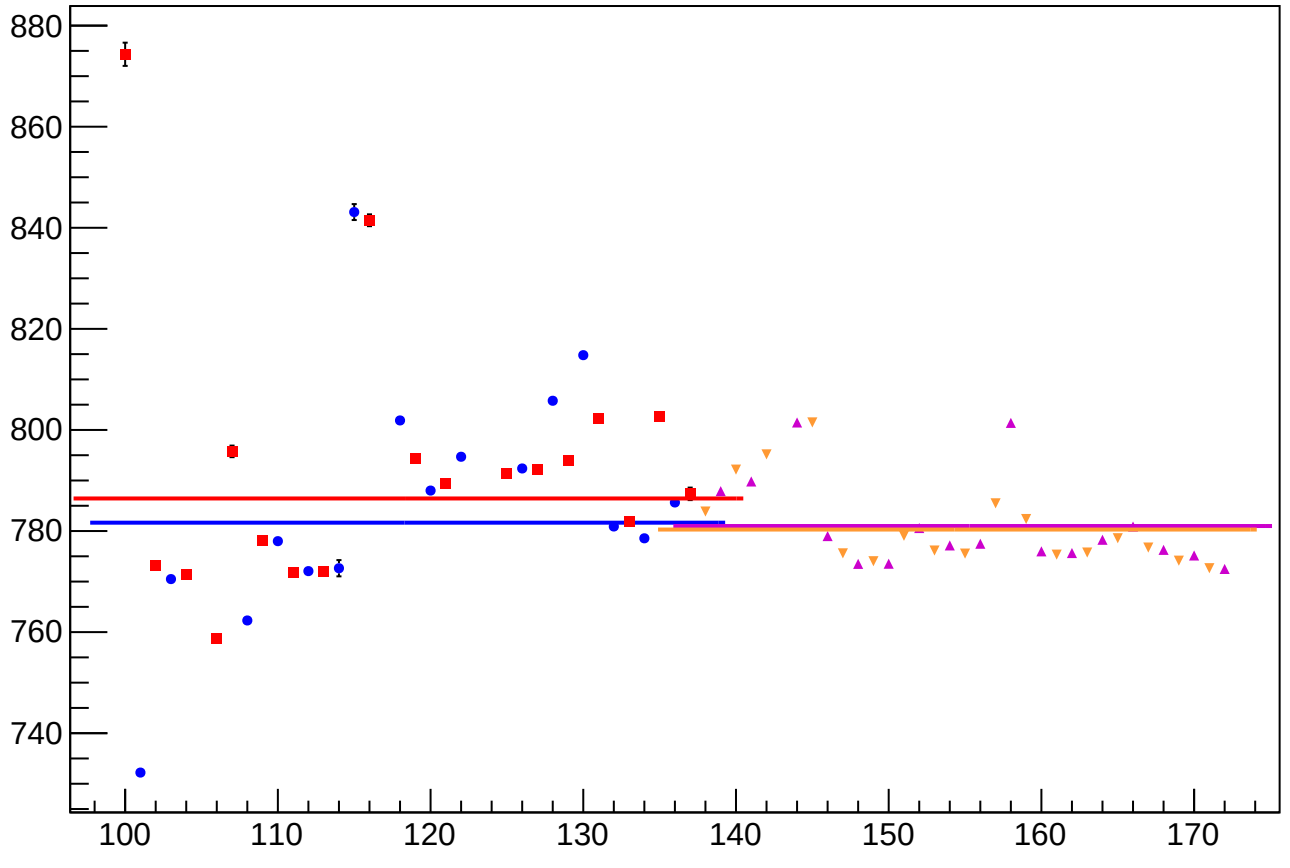
Left: 1926.141+/-148.933 χ^2/NDF: 36.9/33

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

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

Out: 1903.967+/-171.538 χ^2/NDF:23.8/34

All: 2009.130+/-120.520 χ^2/NDF: 58.1/67



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

Left Out: 780.294+/-0.150 χ^2/NDF:2651.9/16

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: 780.650+/-0.105 χ^2/NDF: 6260.1/33

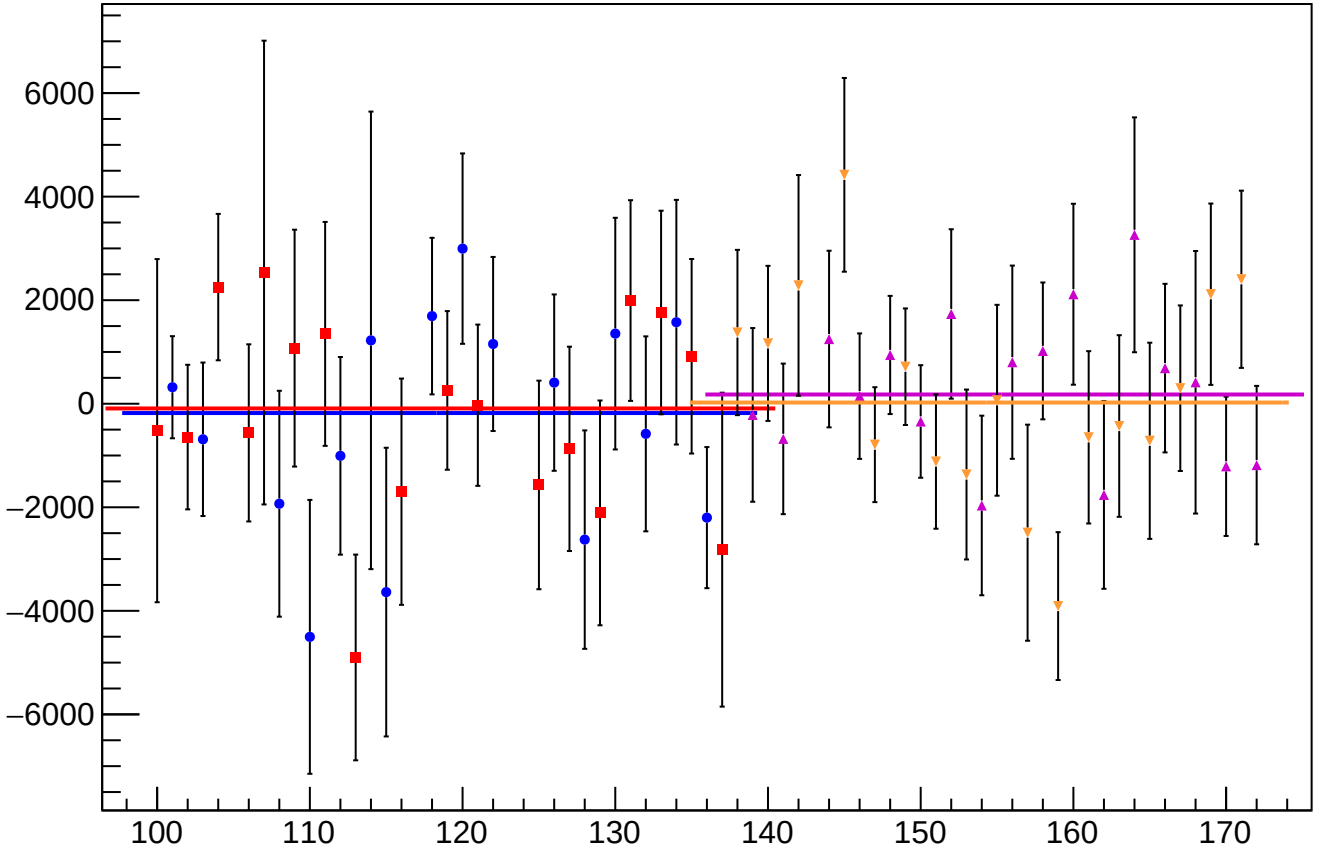
Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

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

Out: 782.448+/-0.121 χ^2/NDF:10438.6/34

All: 781.825+/-0.085 χ^2/NDF: 26413.8/67

asym_us_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

Left Out: 23.196+/-379.365 χ^2/NDF:23.2/16

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

Left In: 178.269+/-368.324 χ^2/NDF:10.6/16

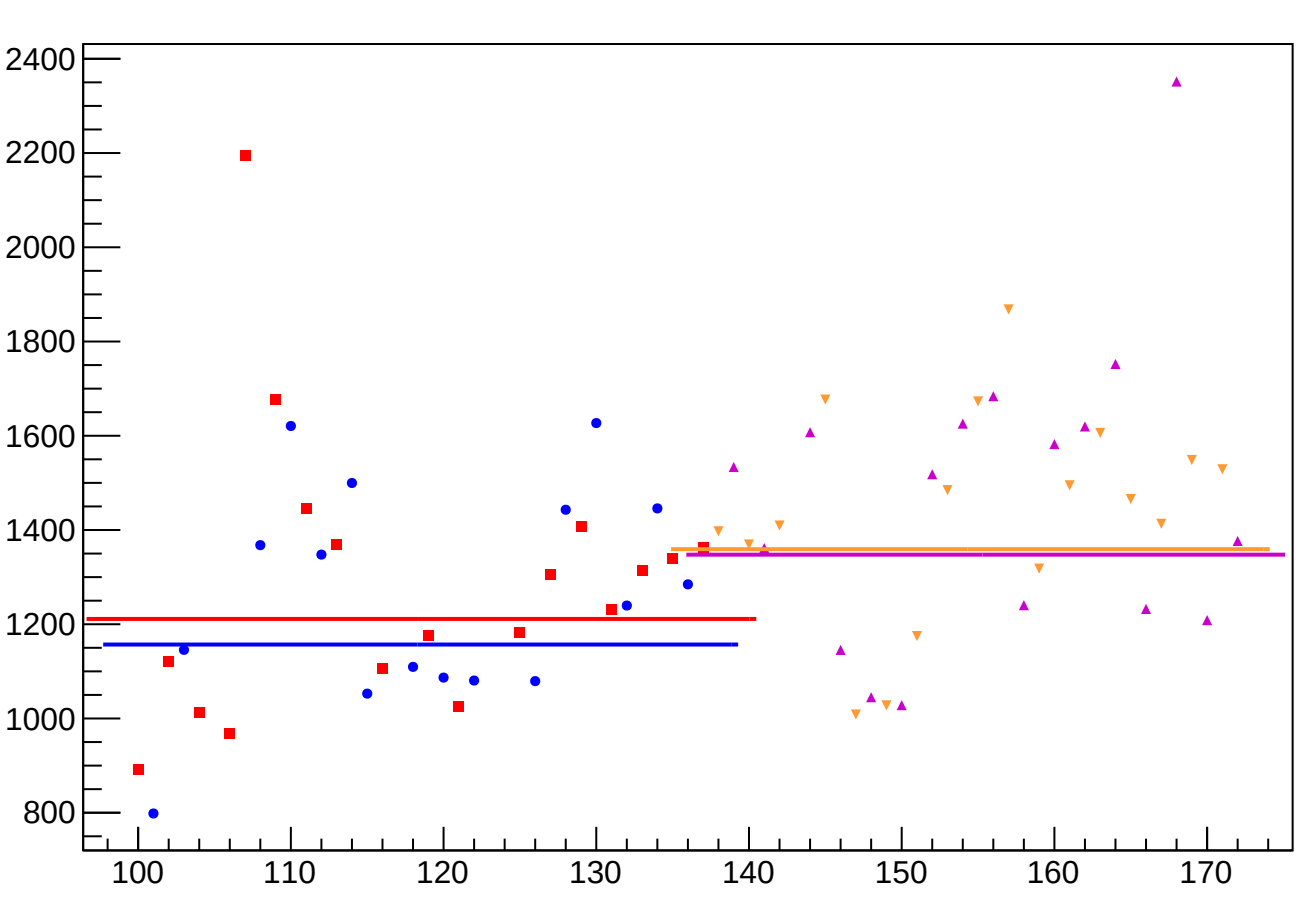
Left: 103.022+/-264.261 χ^2/NDF: 33.9/33

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

In: 30.988+/-282.634 χ^2/NDF:26.4/32

Out: -23.776+/-291.324 χ^2/NDF:38.4/34

All: 4.435+/-202.855 χ^2/NDF: 64.8/67


asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2400
2200
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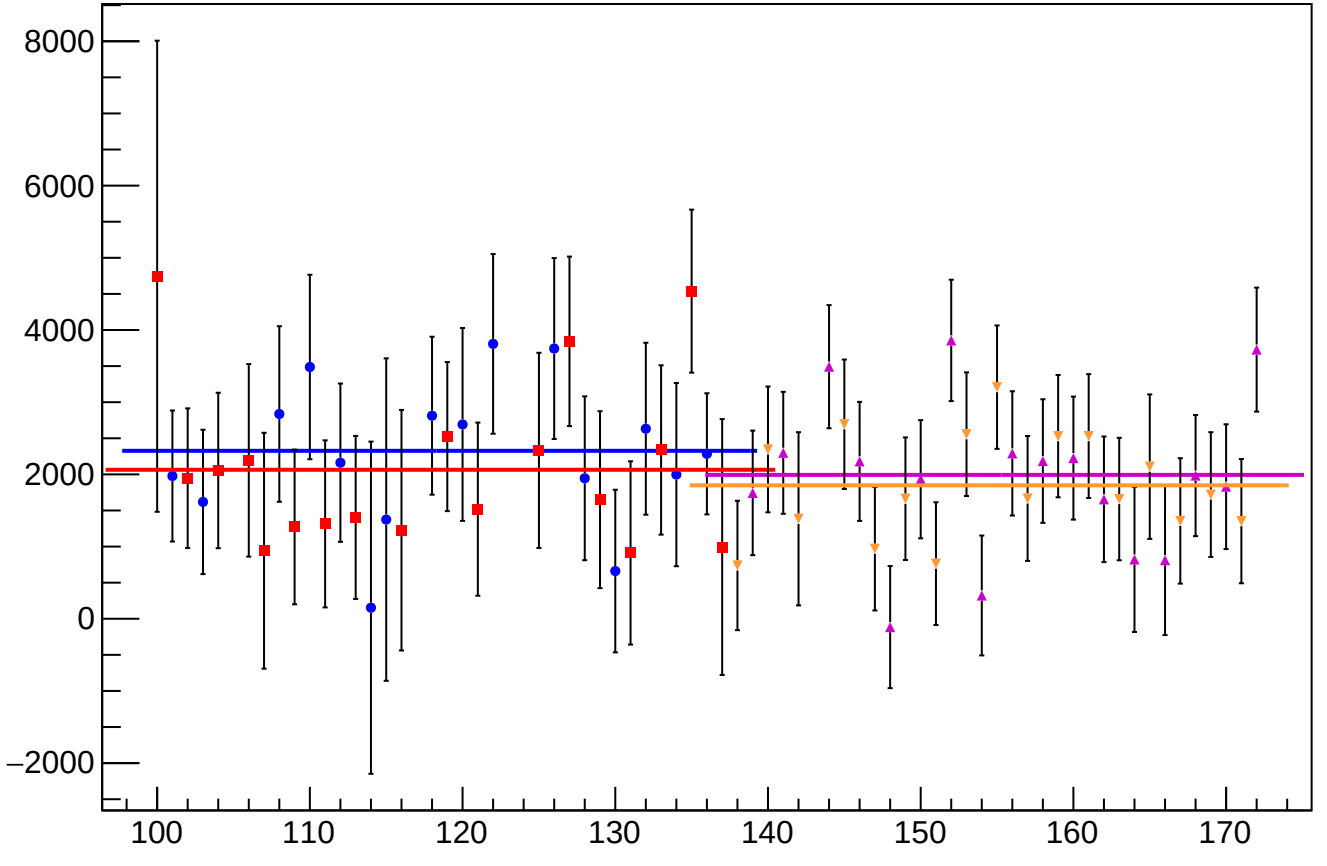
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
170
Right In: 1156.948+/-0.312 χ²/NDF: 569119.8/15
Left Out: 1359.291+/-0.268 χ²/NDF:768154.1/16
Right Out: 1211.264+/-0.322 χ²/NDF: 397714.5/17
Left In: 1347.644+/-0.260 χ²/NDF:1081692.8/16
Left: 1353.296+/-0.187 χ²/NDF: 1850817.3/33
Right: 1183.255+/-0.224 χ²/NDF: 981543.7/33
In: 1269.235+/-0.200 χ²/NDF:1871244.6/32
Out: 1298.557+/-0.206 χ²/NDF:1290805.5/34
All: 1283.452+/-0.143 χ²/NDF: 3172487.1/67

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1848.398+/-213.864 χ^2/NDF:11.0/16

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: 1922.213+/-149.641 χ^2/NDF: 36.9/33

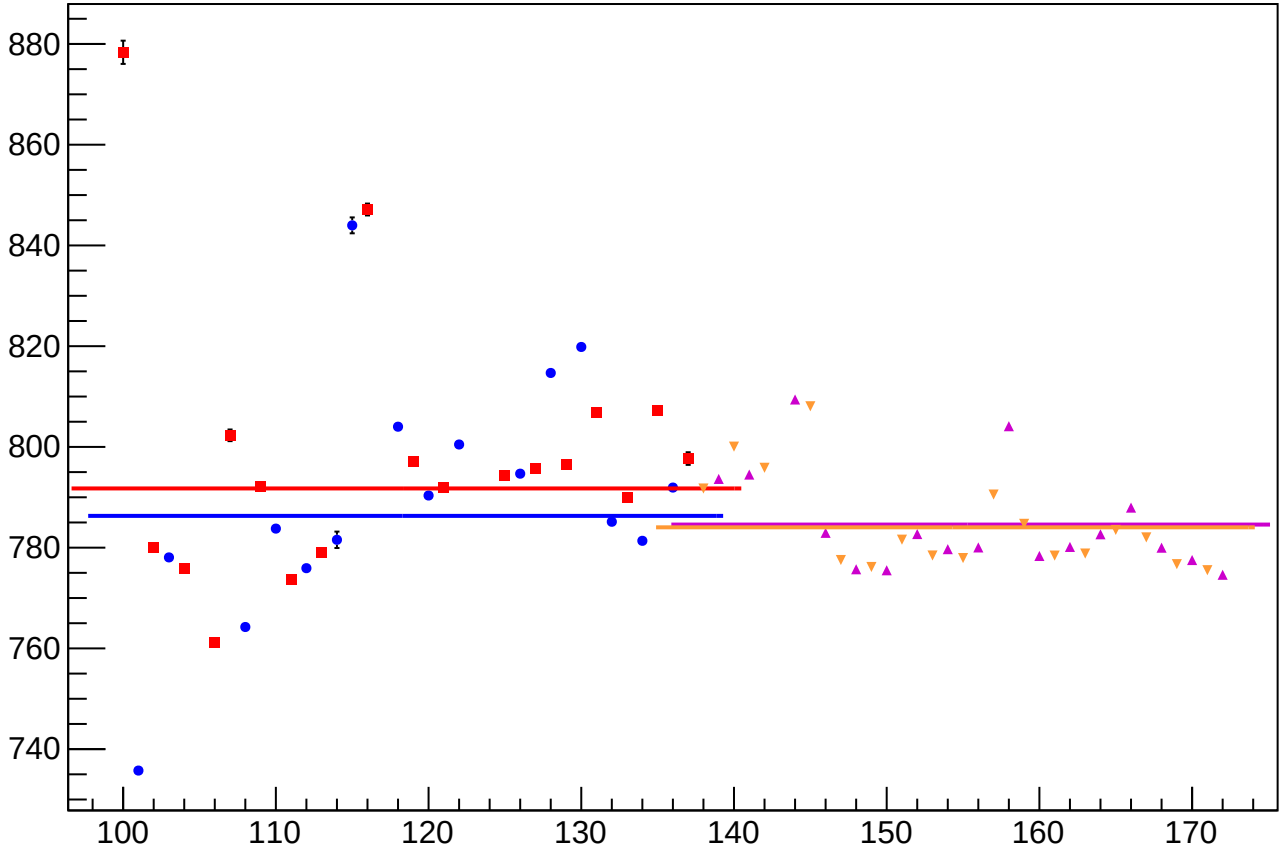
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

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

Out: 1923.735+/-172.494 χ^2/NDF:23.0/34

All: 2016.170+/-121.163 χ^2/NDF: 58.2/67

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 784.036+/-0.151 χ^2/NDF:3571.4/16

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

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

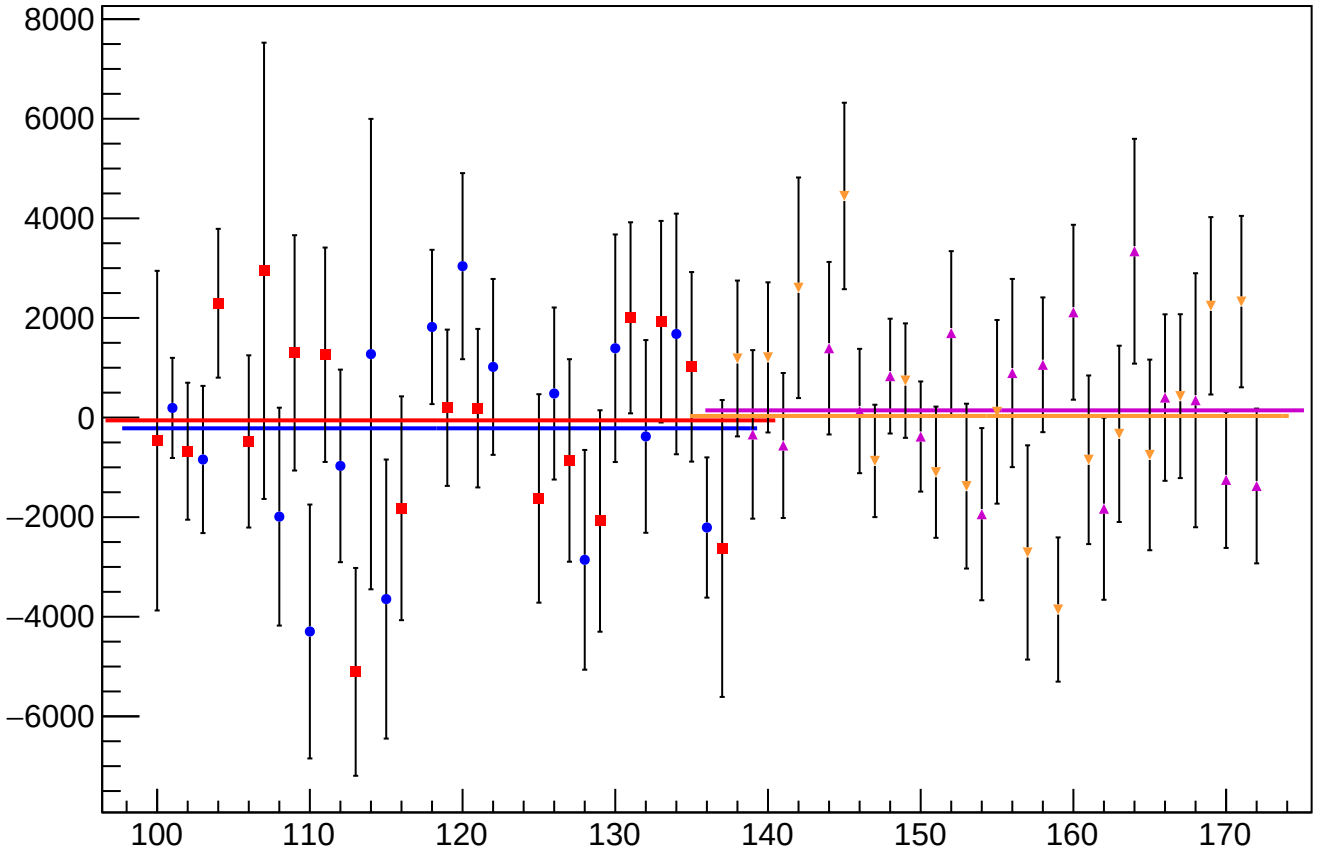
Left: 784.315+/-0.106 χ^2/NDF: 8068.2/33

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

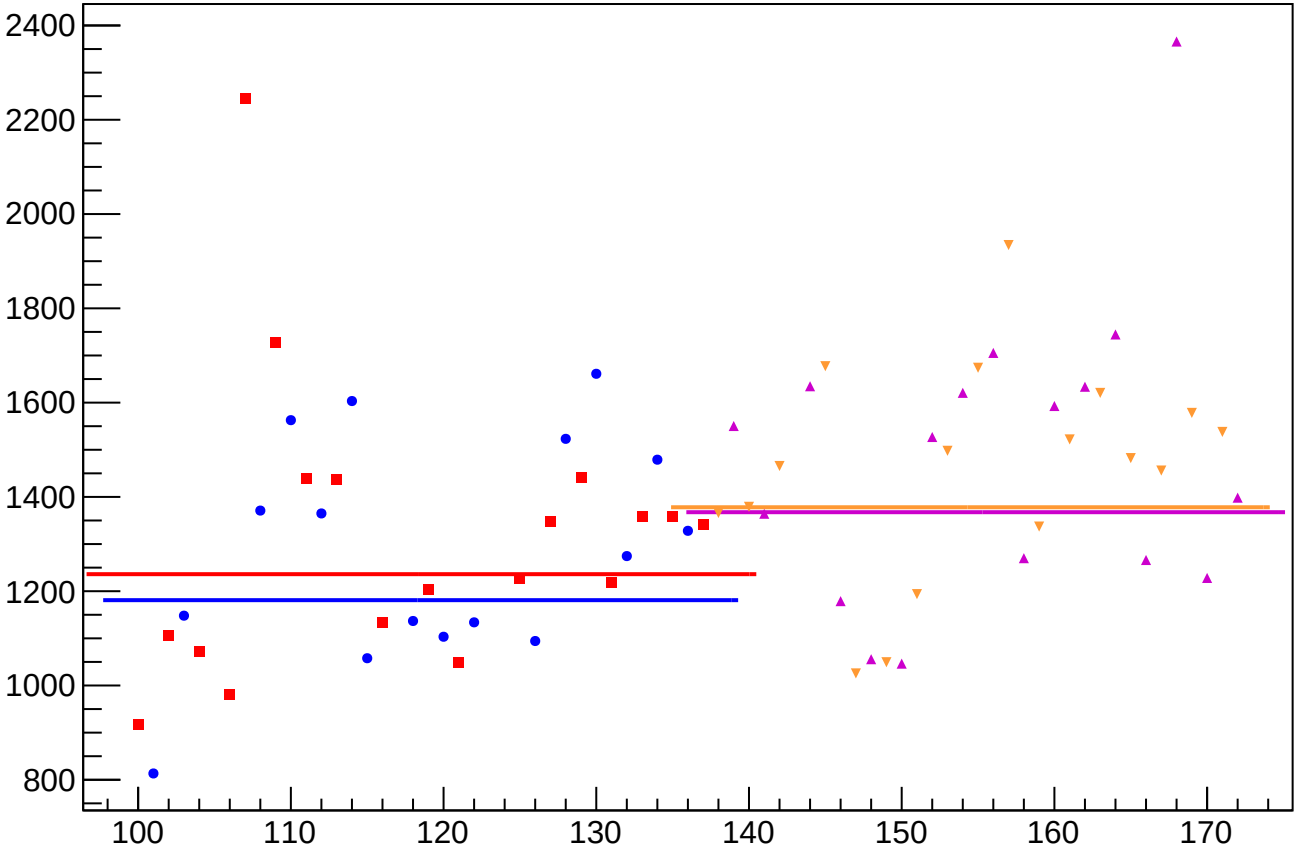
In: 785.170+/-0.120 χ^2/NDF:17107.3/32

Out: 786.734+/-0.122 χ^2/NDF:11497.4/34

All: 785.941+/-0.086 χ^2/NDF: 28687.9/67


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: 31.867+/-384.260 χ²/NDF:23.2/16
Right Out: -56.784+/-463.978 χ²/NDF: 15.1/17
Left In: 144.448+/-373.257 χ²/NDF:10.8/16
Left: 89.792+/-267.738 χ²/NDF: 34.1/33
Right: -139.003+/-322.855 χ²/NDF: 30.5/33
In: -2.720+/-287.170 χ²/NDF:26.5/32
Out: -4.200+/-295.945 χ²/NDF:38.4/34
All: -3.438+/-206.092 χ²/NDF: 64.9/67

asym_us_avg_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 1378.066+/-0.272 χ^2/NDF:754493.1/16

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

Left In: 1367.586+/-0.264 χ^2/NDF:1034279.6/16

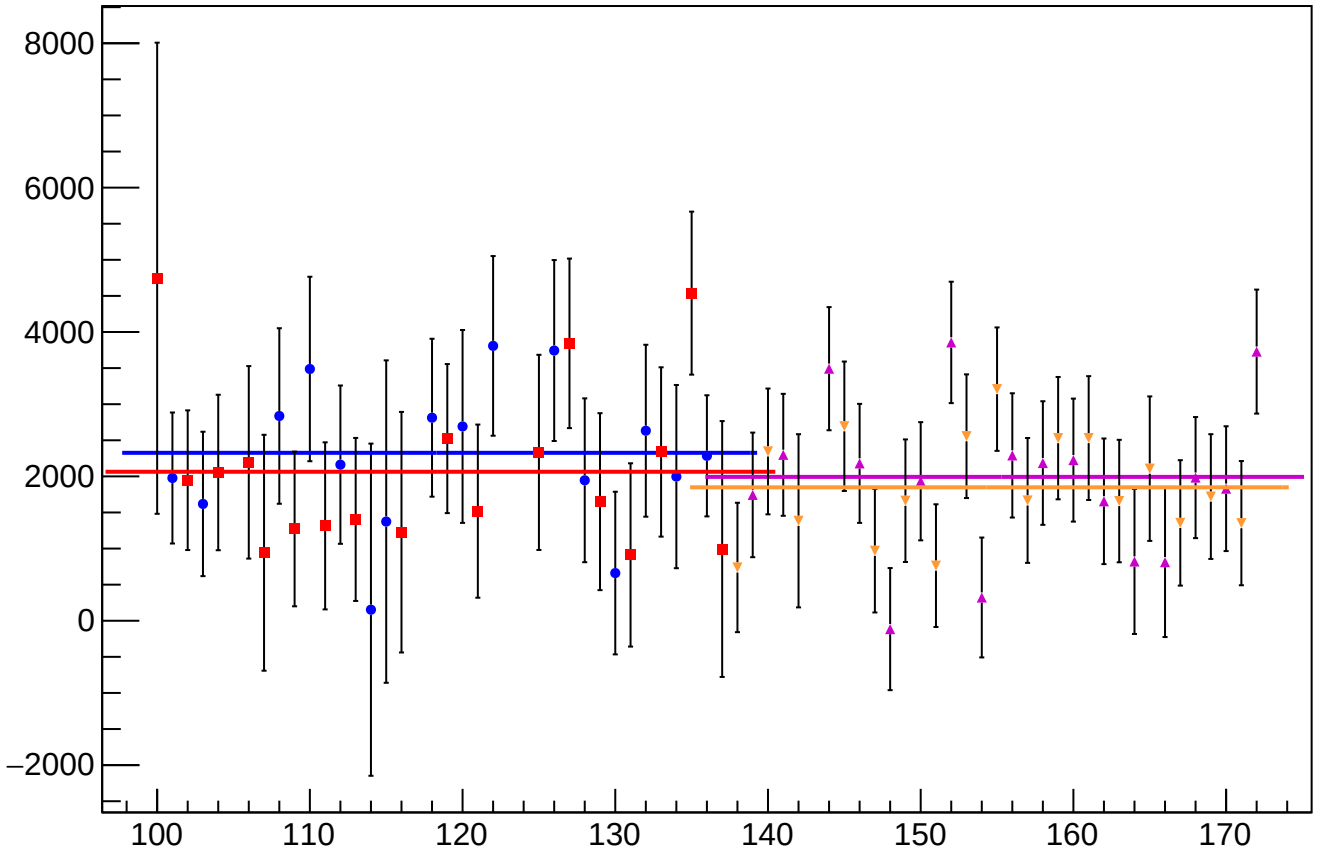
Left: 1372.674+/-0.189 χ^2/NDF: 1789538.1/33

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

In: 1291.443+/-0.203 χ^2/NDF:1809340.7/32

Out: 1320.322+/-0.209 χ^2/NDF:1262745.4/34

All: 1305.448+/-0.146 χ^2/NDF: 3081894.9/67



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

Left Out: 1848.395+/-213.864 χ^2/NDF:11.0/16

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: 1922.212+/-149.641 χ^2/NDF: 36.9/33

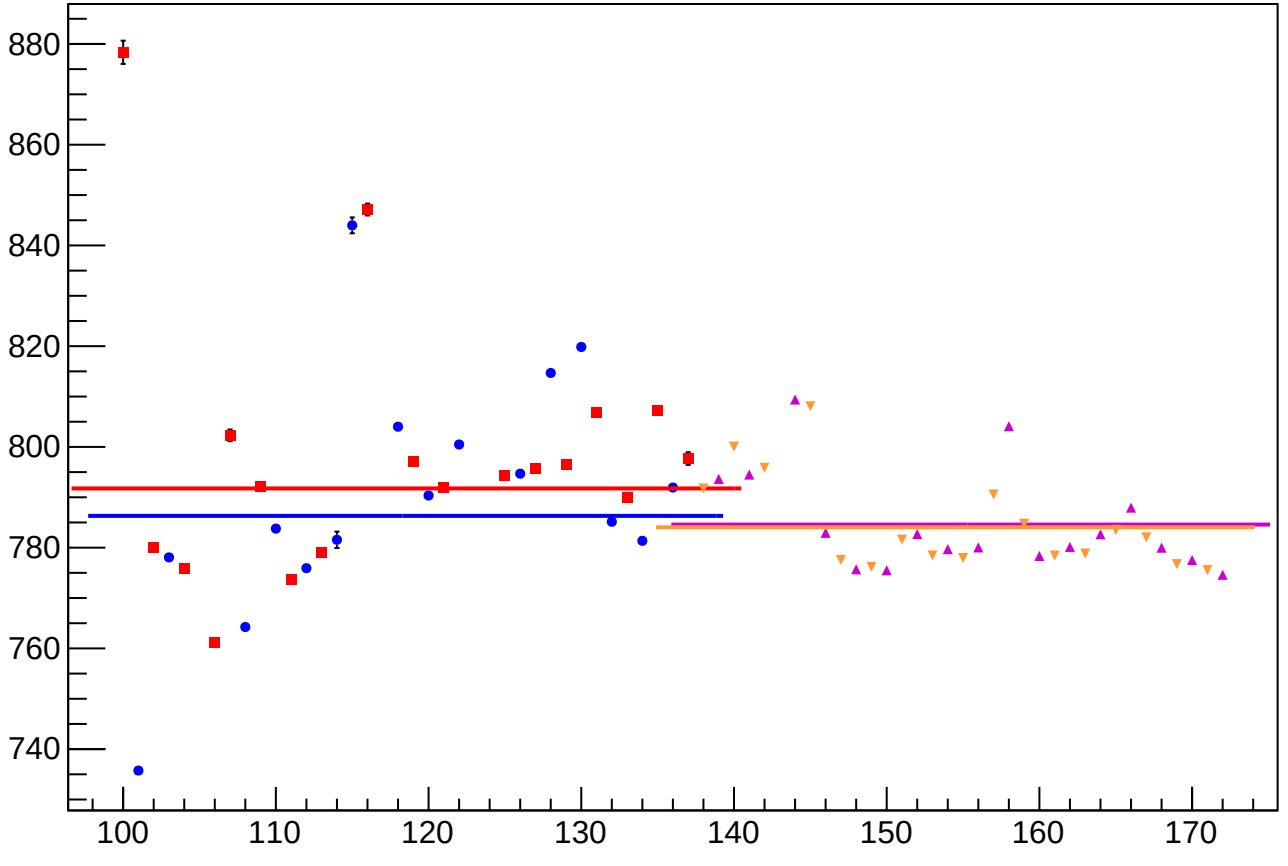
Right: 2195.029+/-206.463 χ^2/NDF: 20.2/33

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

Out: 1923.733+/-172.494 χ^2/NDF:23.0/34

All: 2016.169+/-121.163 χ^2/NDF: 58.2/67

eigen_dit_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 784.036+/-0.151 χ^2/NDF:3571.4/16

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

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

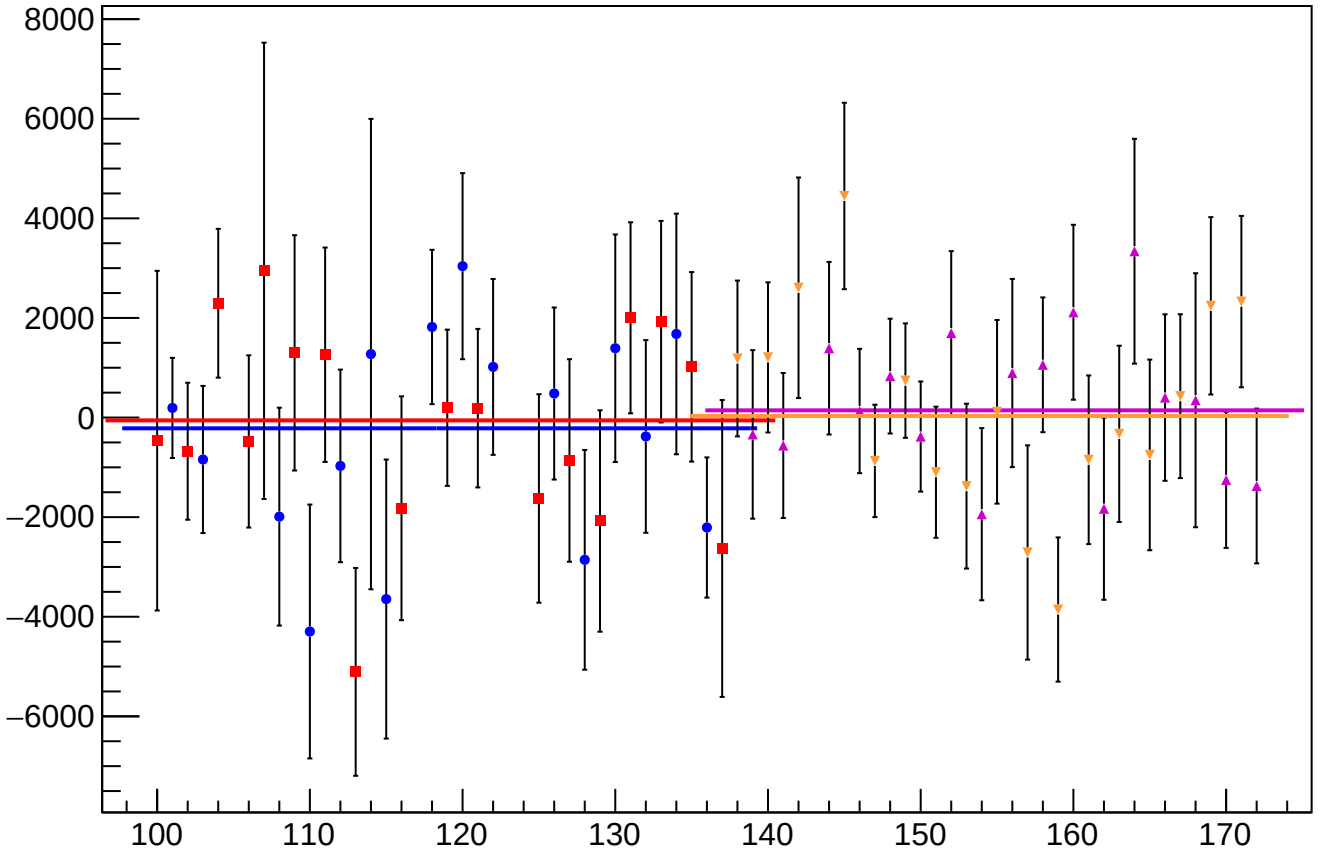
Left: 784.315+/-0.106 χ^2/NDF: 8068.2/33

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

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

Out: 786.734+/-0.122 χ^2/NDF:11497.3/34

All: 785.941+/-0.086 χ^2/NDF: 28687.8/67



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

Left Out: 31.863+/-384.261 χ^2/NDF:23.2/16

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: 89.791+/-267.738 χ^2/NDF: 34.1/33

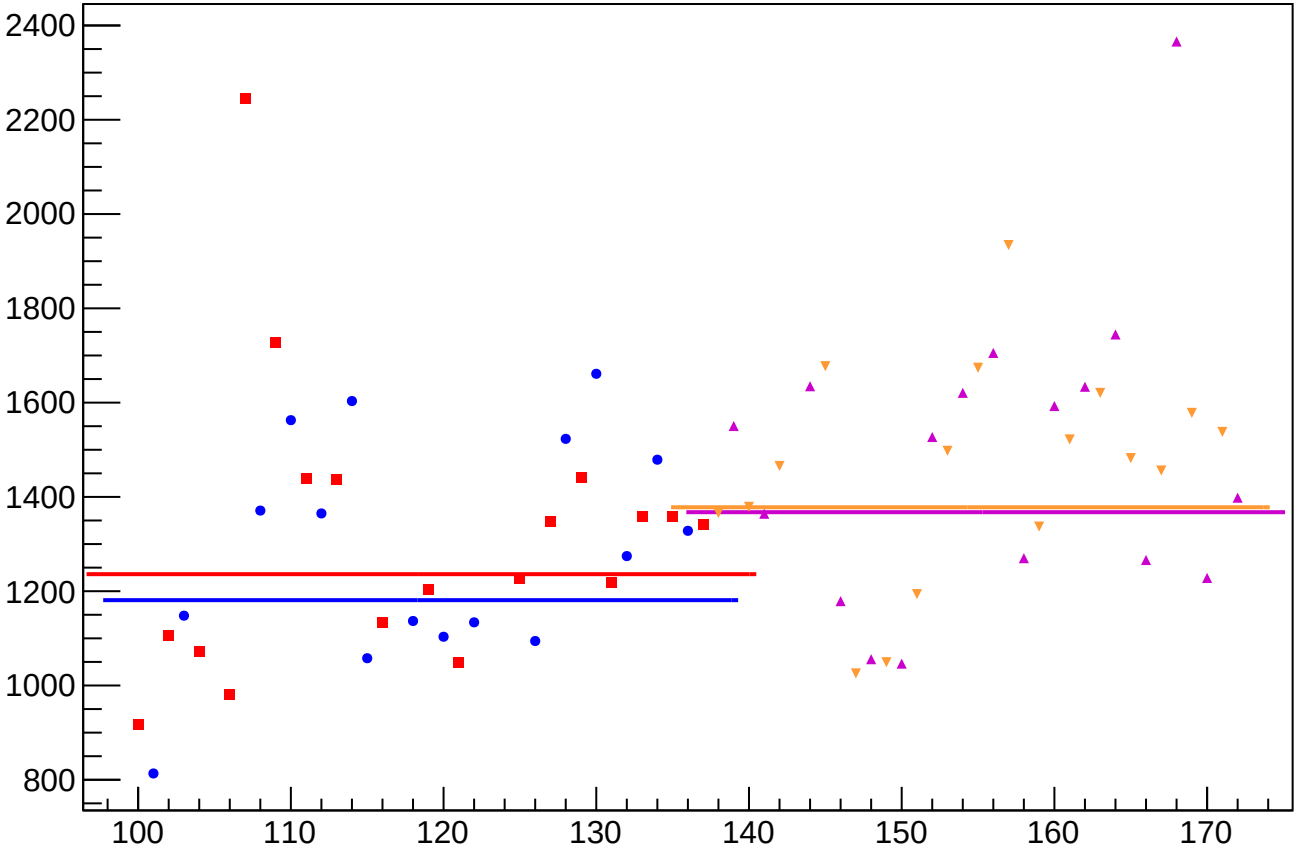
Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

In: -2.719+/-287.170 χ^2/NDF:26.5/32

Out: -4.202+/-295.945 χ^2/NDF:38.4/34

All: -3.439+/-206.092 χ^2/NDF: 64.9/67

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: 1378.068+/-0.272 χ^2/NDF:754495.1/16

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: 1372.676+/-0.189 χ^2/NDF: 1789540.9/33

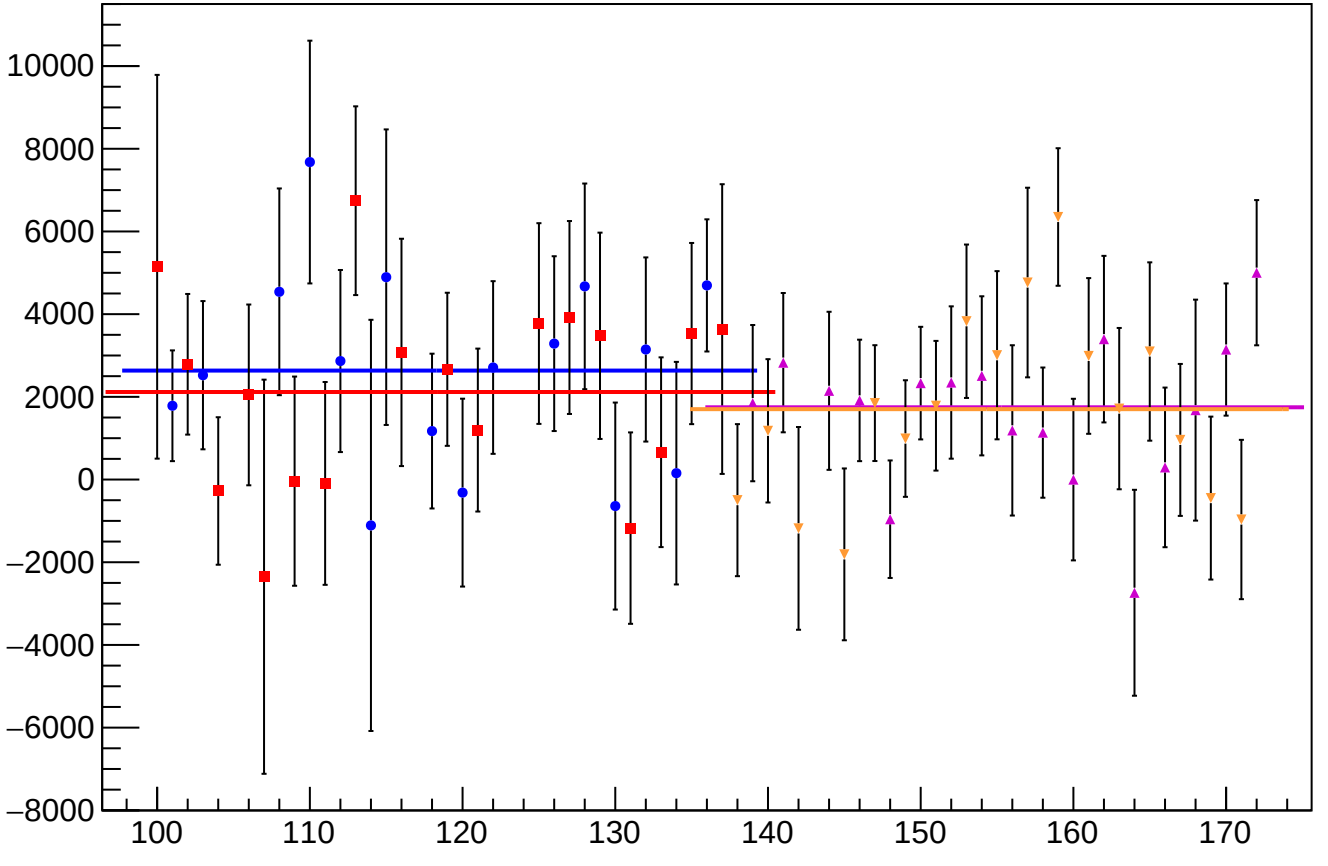
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

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

Out: 1320.322+/-0.209 χ^2/NDF:1262755.3/34

All: 1305.448+/-0.146 χ^2/NDF: 3081915.9/67

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1702.247+/-442.259 χ^2/NDF:21.5/16

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: 1725.504+/-308.395 χ^2/NDF: 35.8/33

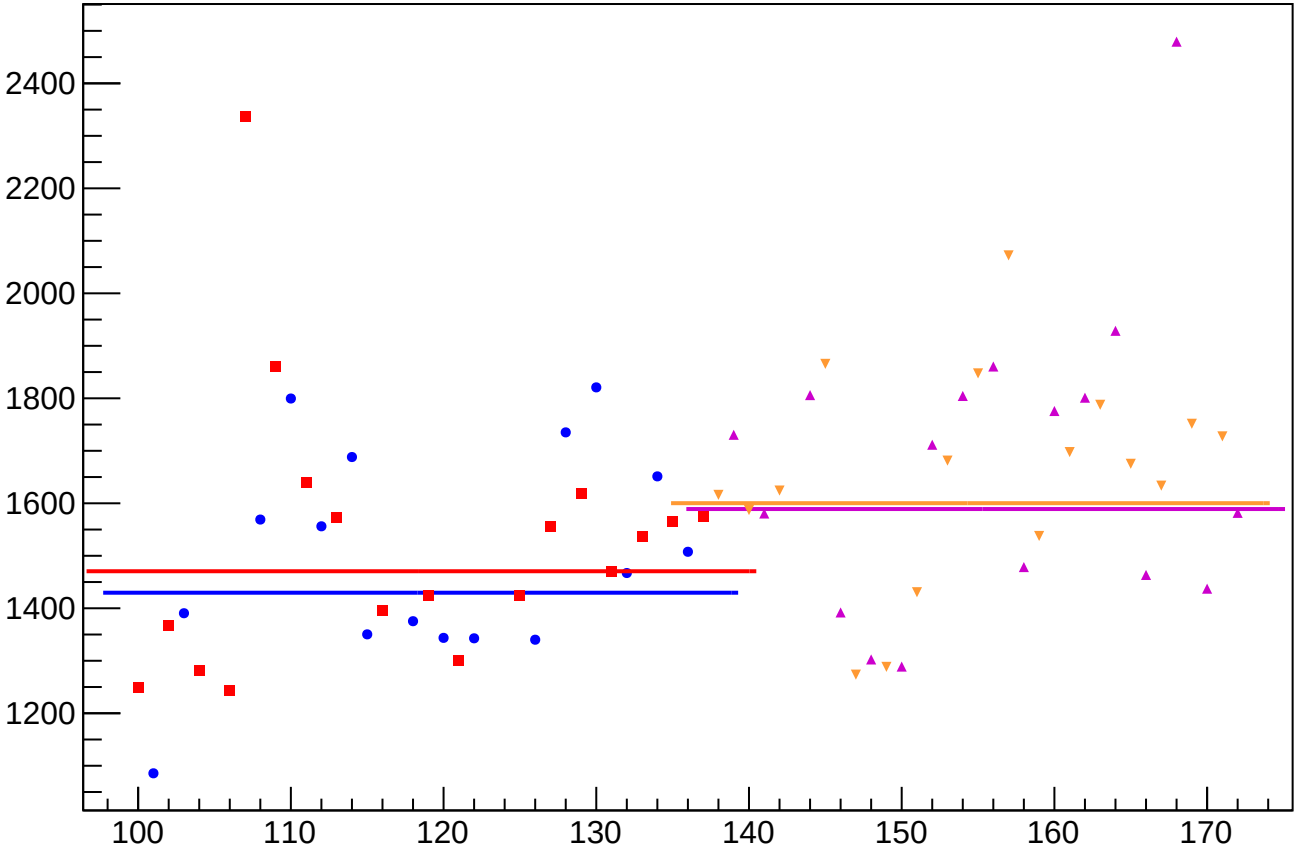
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

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

Out: 1866.086+/-344.033 χ^2/NDF:35.6/34

All: 1982.645+/-240.388 χ^2/NDF: 64.0/67

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1600.213+/-0.313 χ^2/NDF:431446.3/16

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

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

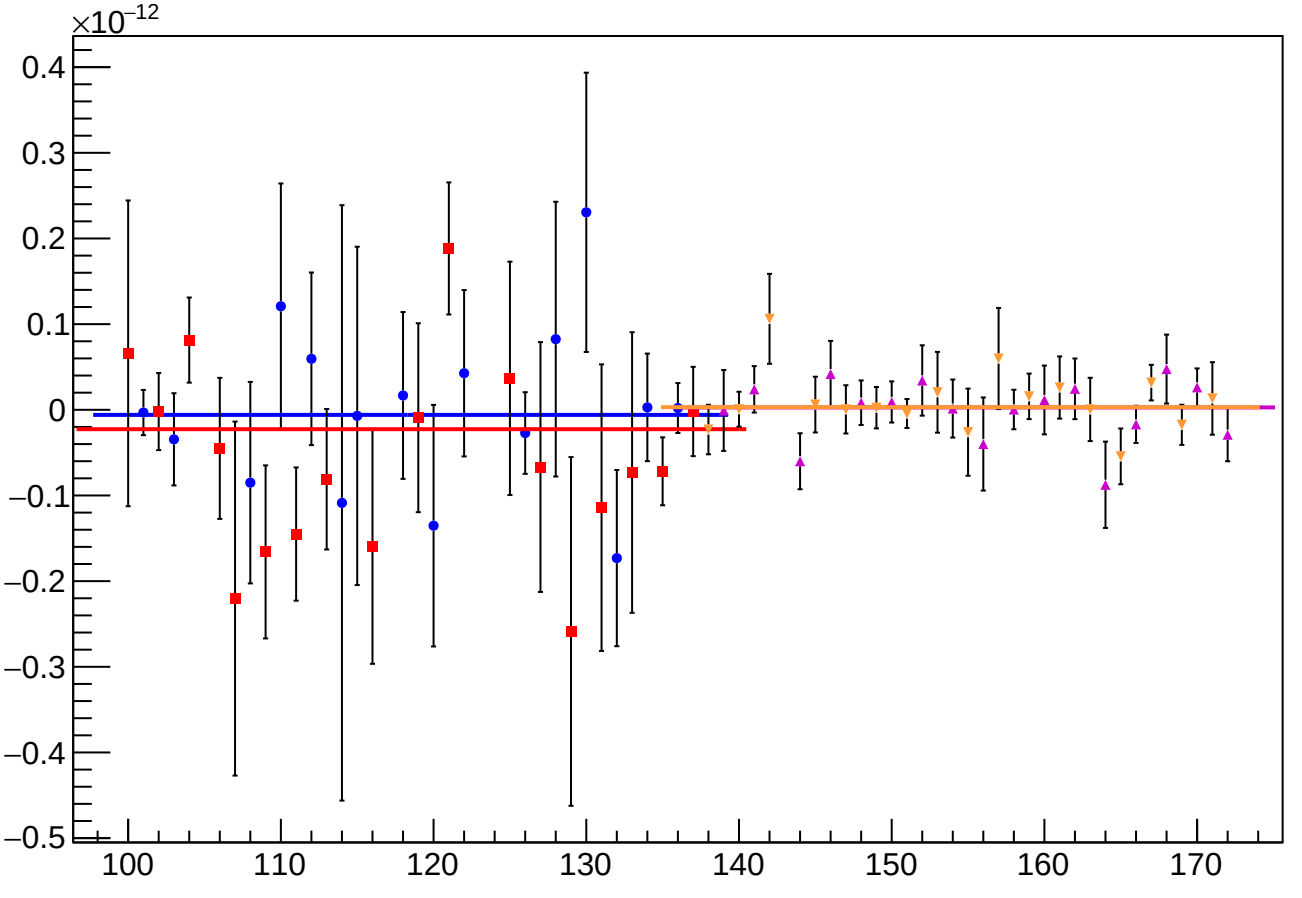
Left: 1594.485+/-0.218 χ^2/NDF: 1088362.7/33

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

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

Out: 1549.018+/-0.243 χ^2/NDF:717381.6/34

All: 1537.691+/-0.170 χ^2/NDF: 1778356.4/67



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

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/16

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

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

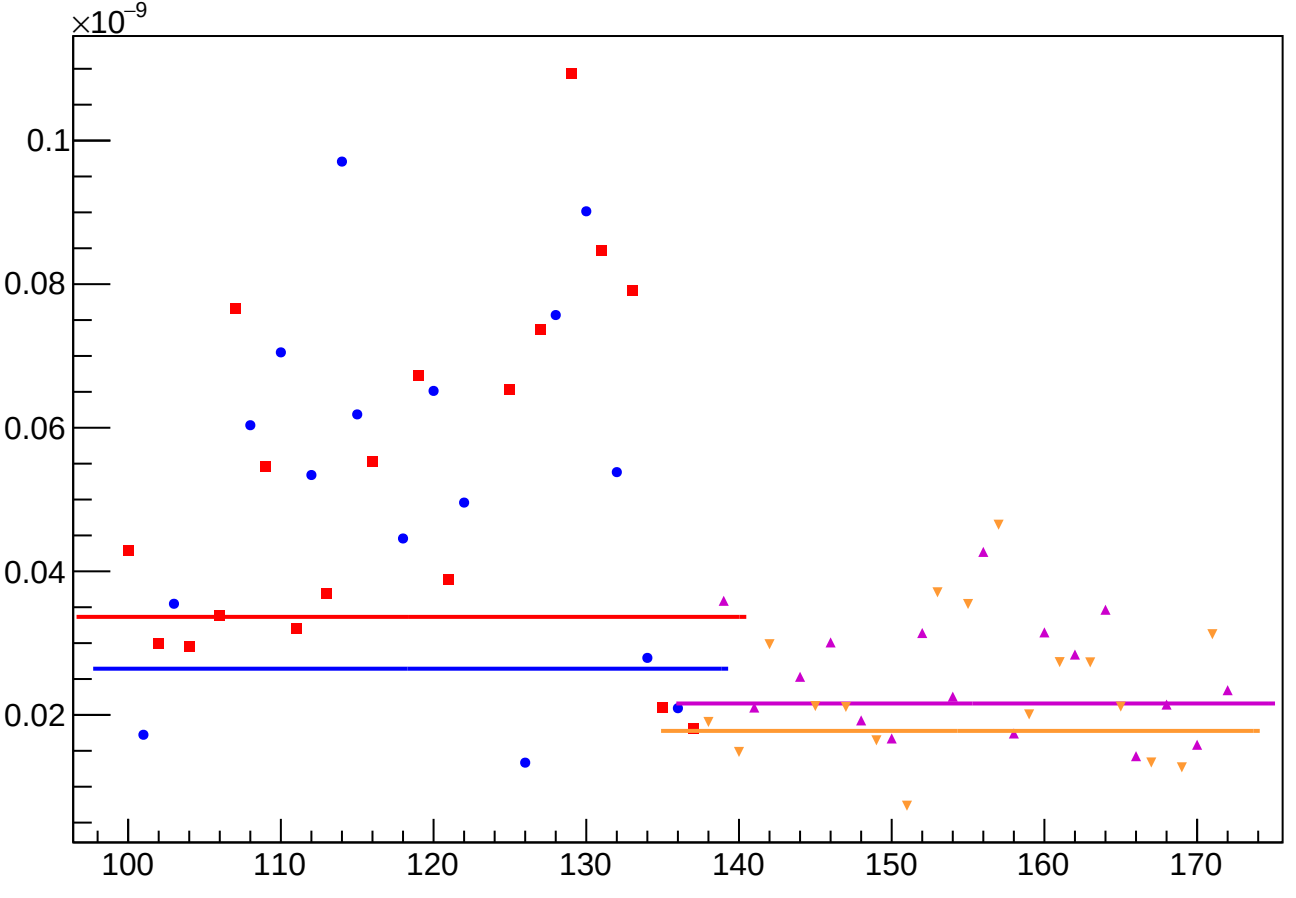
Left: 0.000+/-0.000 χ^2/NDF: 27.3/33

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:37.6/34

All: 0.000+/-0.000 χ^2/NDF: 60.9/67



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

Left Out: 0.000+/-0.000 χ^2/NDF:2714593.3/16

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

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

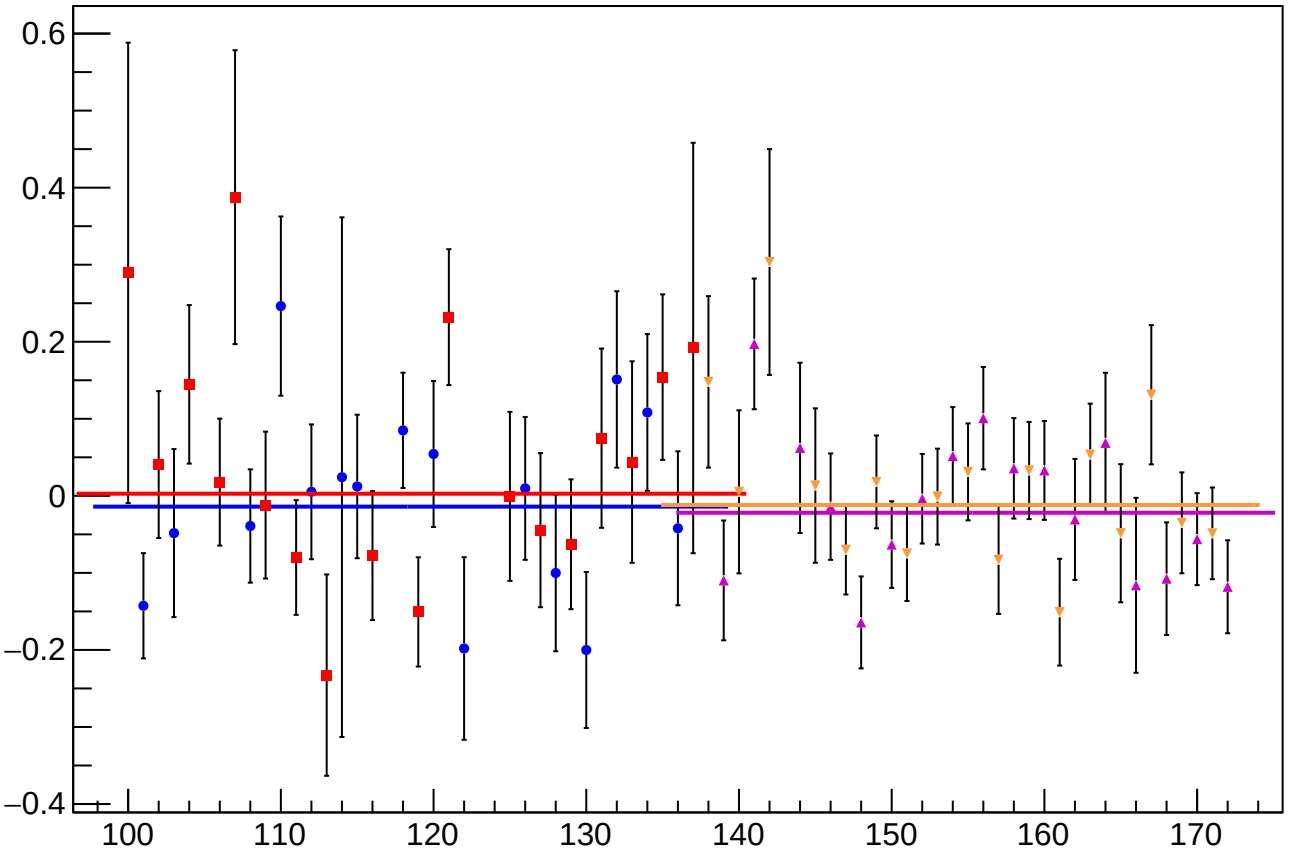
Left: 0.000+/-0.000 χ^2/NDF: 4587721.5/33

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:5759179.7/34

All: 0.000+/-0.000 χ^2/NDF: 9829837.3/67



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

Left Out: -0.012+/-0.017 χ^2/NDF:19.3/16

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

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

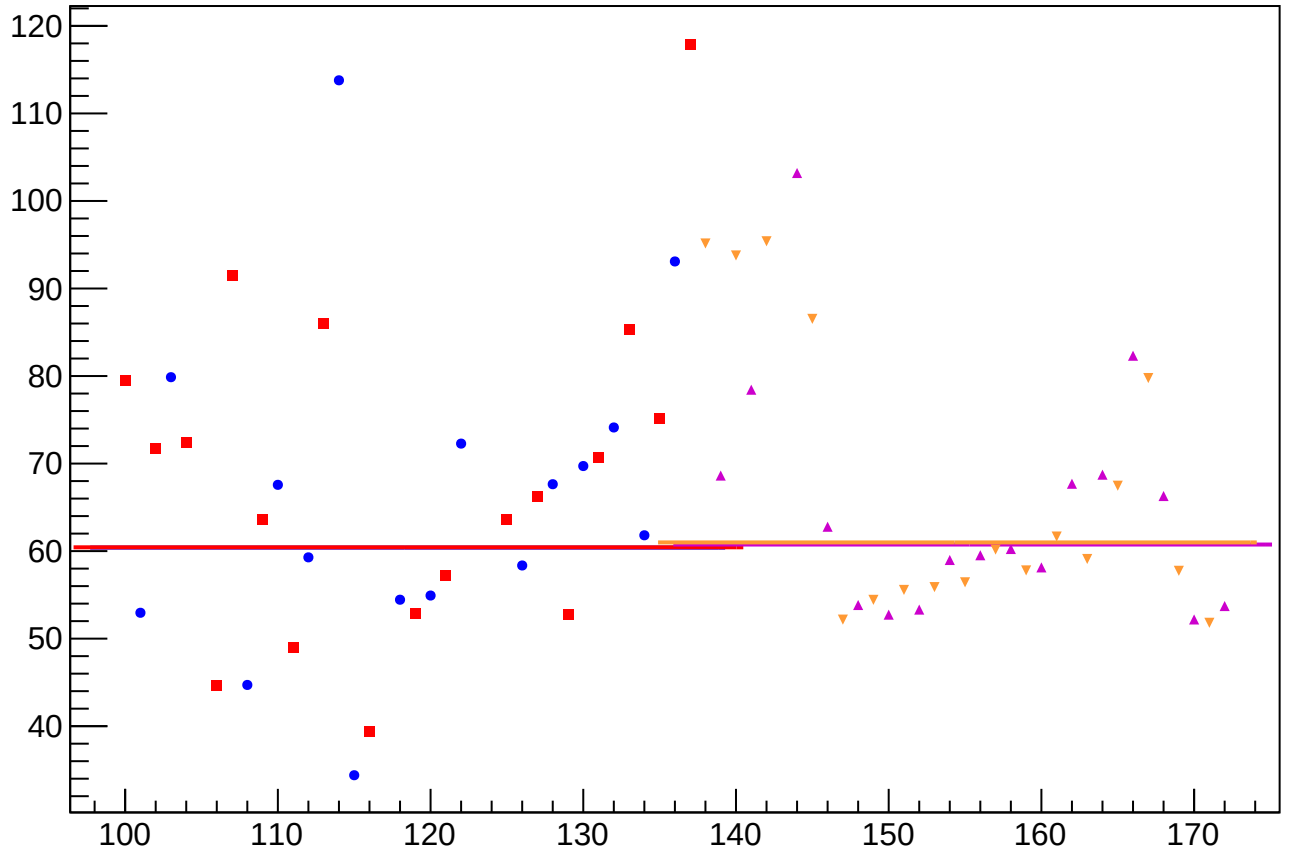
Left: -0.017+/-0.012 χ^2/NDF: 46.5/33

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

In: -0.019+/-0.014 χ^2/NDF:48.5/32

Out: -0.007+/-0.014 χ^2/NDF:47.3/34

All: -0.013+/-0.010 χ^2/NDF: 96.2/67



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

Left Out: 60.992+/-0.012 χ^2/NDF:886387.8/16

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

Left In: 60.750+/-0.012 χ^2/NDF:692851.3/16

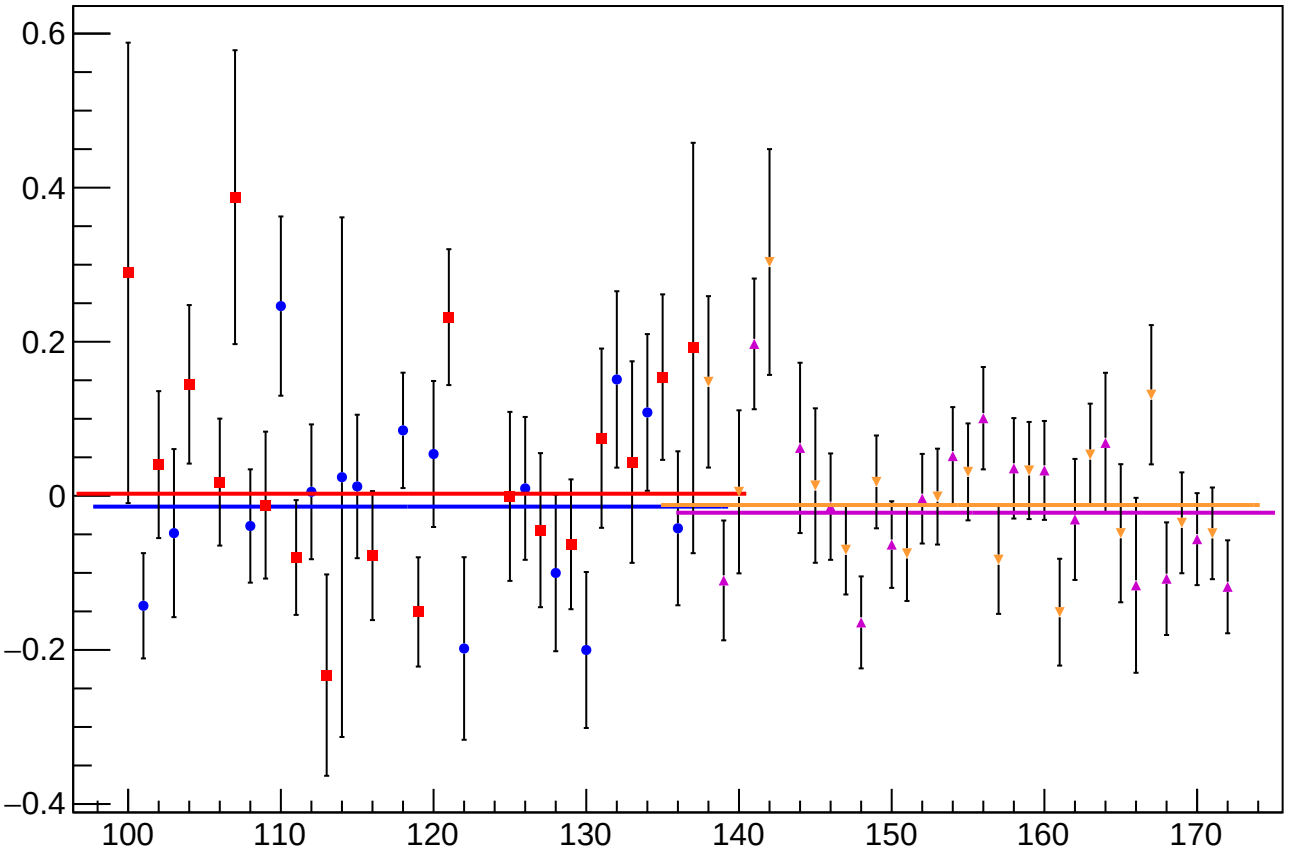
Left: 60.867+/-0.009 χ^2/NDF: 1579439.2/33

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

In: 60.634+/-0.010 χ^2/NDF:1396297.8/32

Out: 60.798+/-0.010 χ^2/NDF:1598198.8/34

All: 60.714+/-0.007 χ^2/NDF: 2994636.2/67



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

Left Out: -0.012+/-0.017 χ^2/NDF:19.3/16

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

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

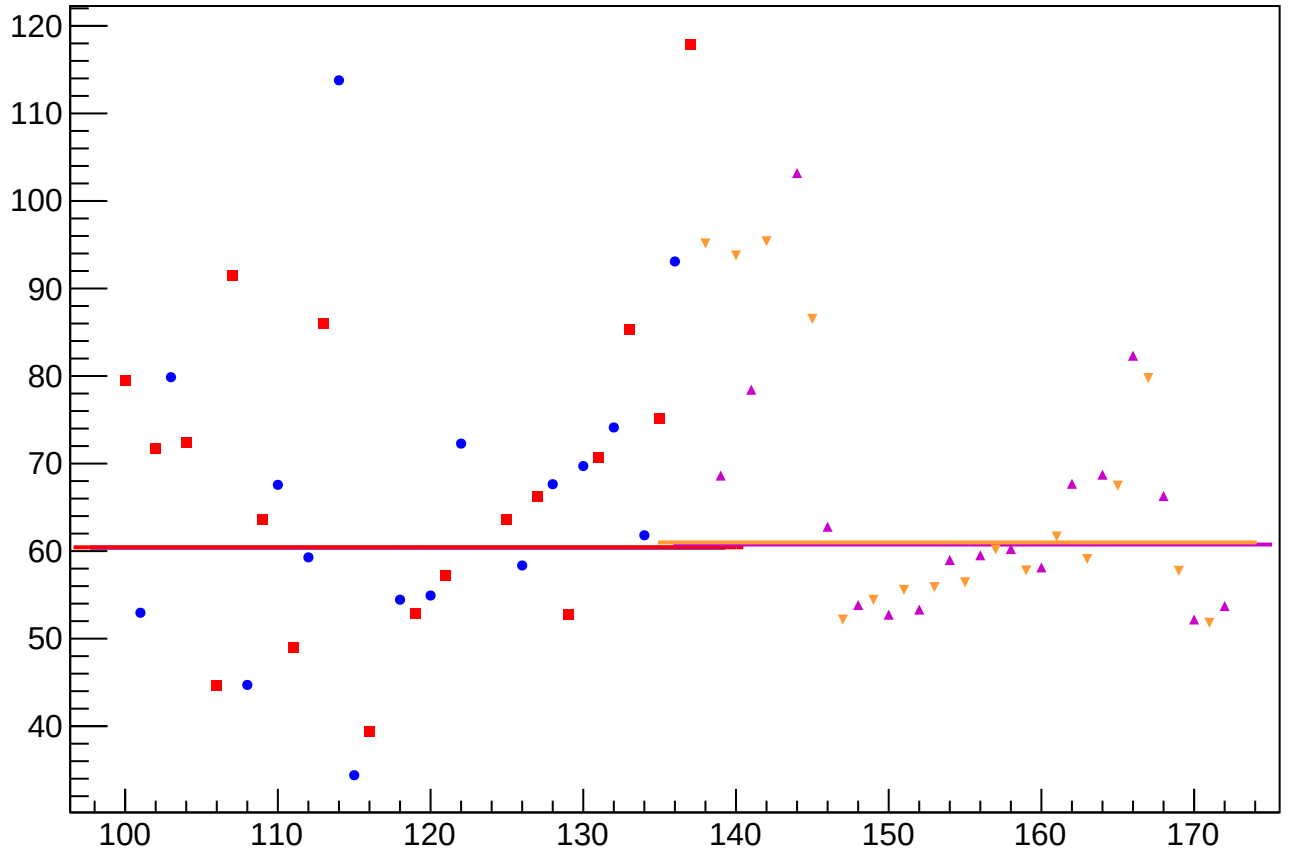
Left: -0.017+/-0.012 χ^2/NDF: 46.5/33

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

In: -0.019+/-0.014 χ^2/NDF:48.5/32

Out: -0.007+/-0.014 χ^2/NDF:47.3/34

All: -0.013+/-0.010 χ^2/NDF: 96.2/67



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

Left Out: 60.992+/-0.012 χ^2/NDF:886387.8/16

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

Left In: 60.750+/-0.012 χ^2/NDF:692851.3/16

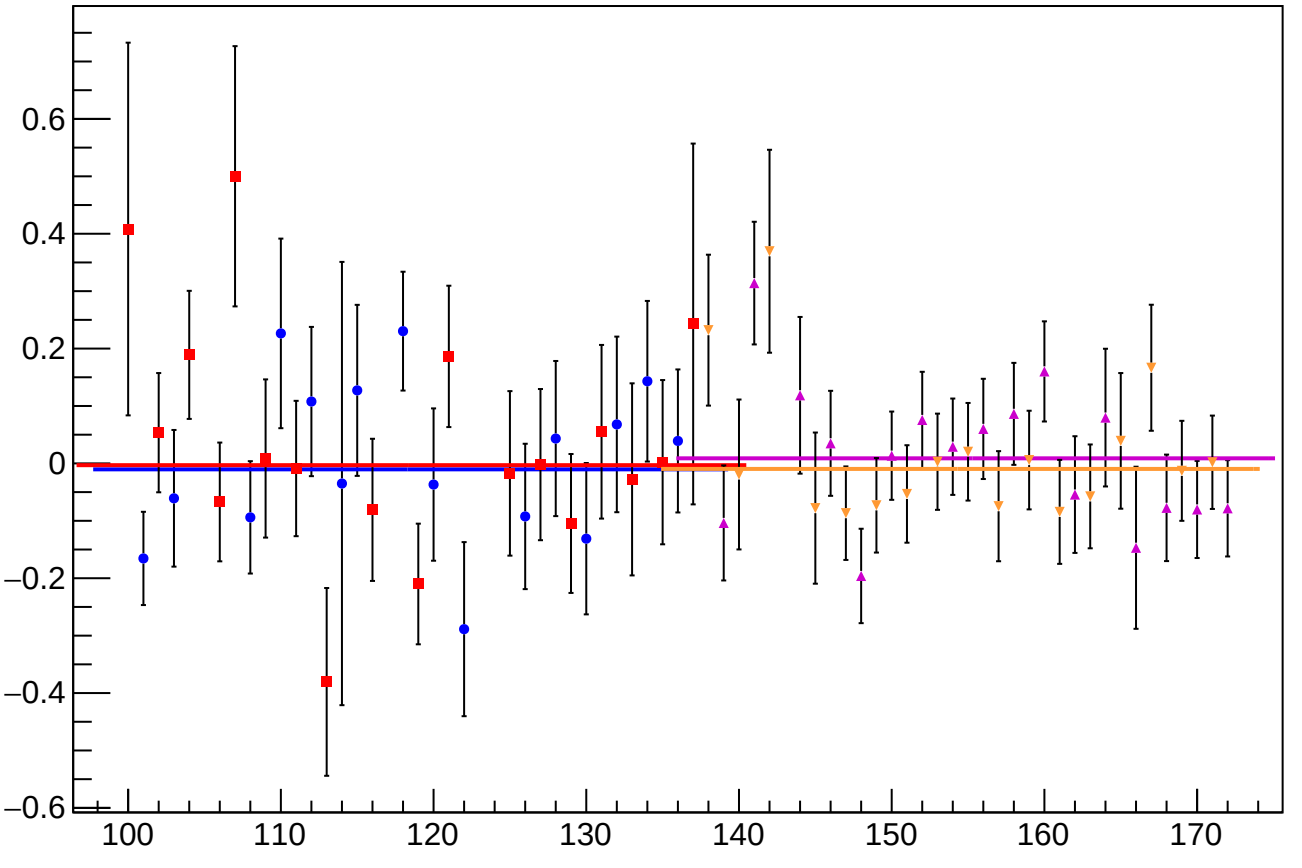
Left: 60.867+/-0.009 χ^2/NDF: 1579439.2/33

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

In: 60.634+/-0.010 χ^2/NDF:1396297.8/32

Out: 60.798+/-0.010 χ^2/NDF:1598198.8/34

All: 60.714+/-0.007 χ^2/NDF: 2994636.2/67



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

Left Out: -0.010+/-0.023 χ^2/NDF:14.4/16

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

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

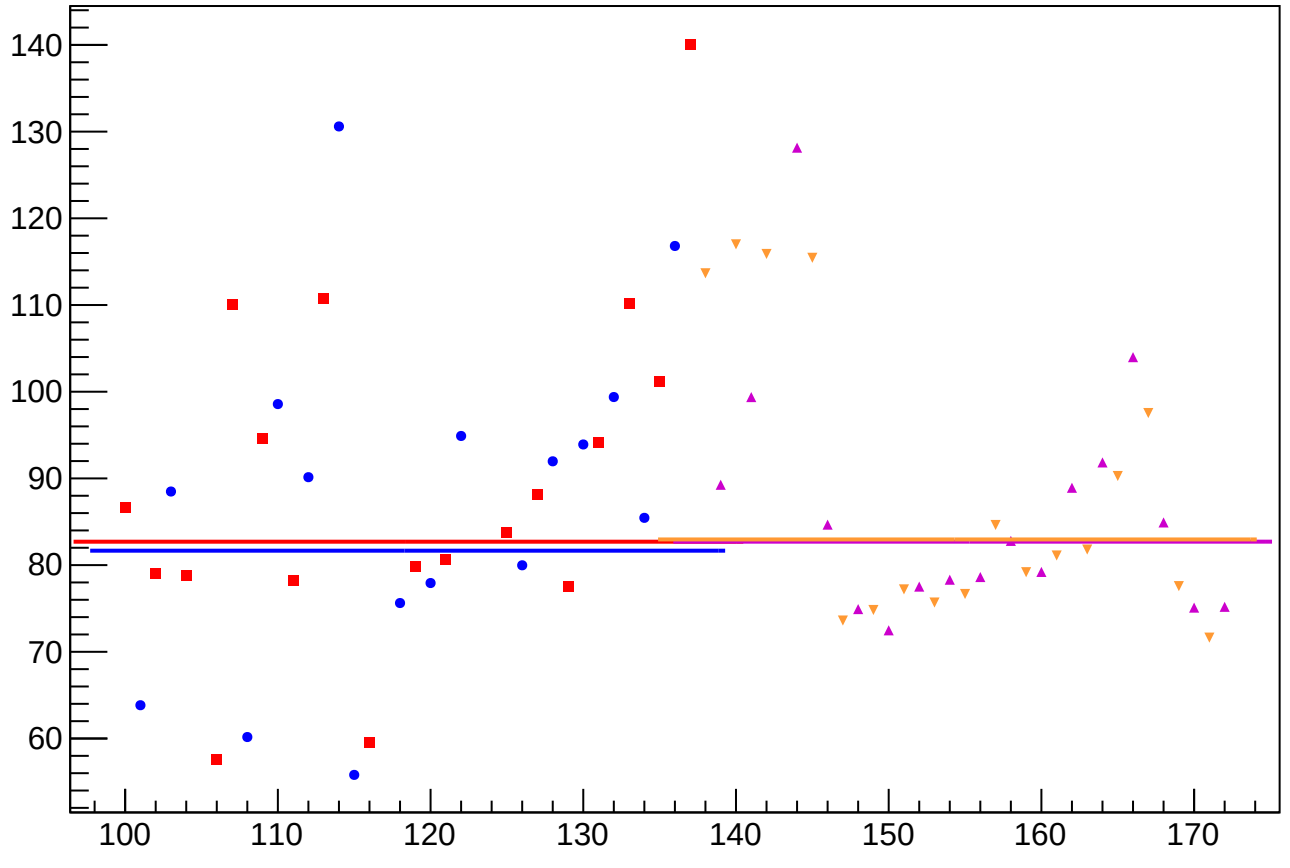
Left: -0.000+/-0.016 χ^2/NDF: 40.9/33

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

In: 0.002+/-0.018 χ^2/NDF:46.6/32

Out: -0.007+/-0.019 χ^2/NDF:38.1/34

All: -0.002+/-0.013 χ^2/NDF: 84.8/67



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

Left Out: 82.960+/-0.016 χ^2/NDF:612546.9/16

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

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

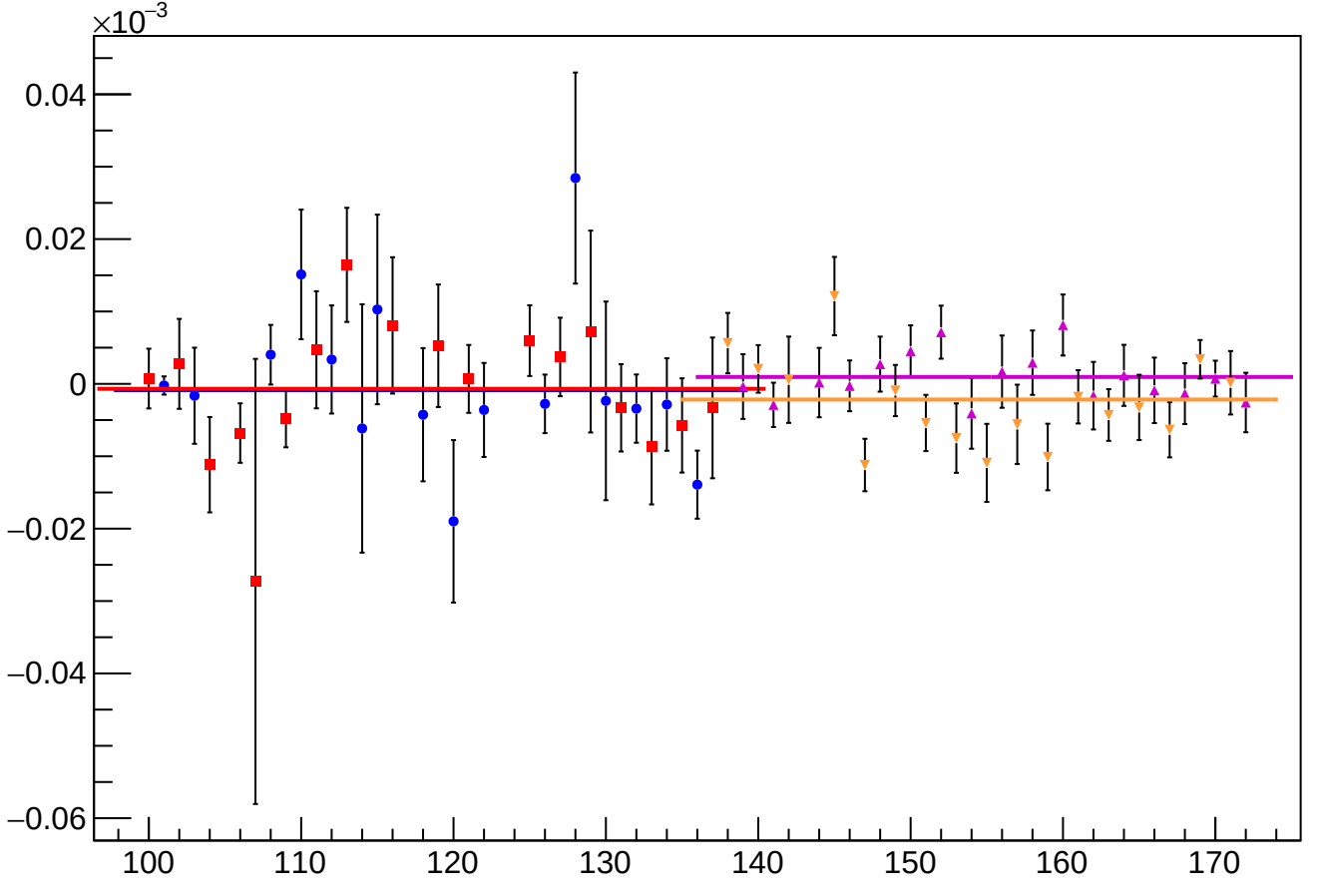
Left: 82.828+/-0.011 χ^2/NDF: 1064622.5/33

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

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

Out: 82.870+/-0.013 χ^2/NDF:1085699.0/34

All: 82.606+/-0.009 χ^2/NDF: 2101710.0/67



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

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/16

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

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

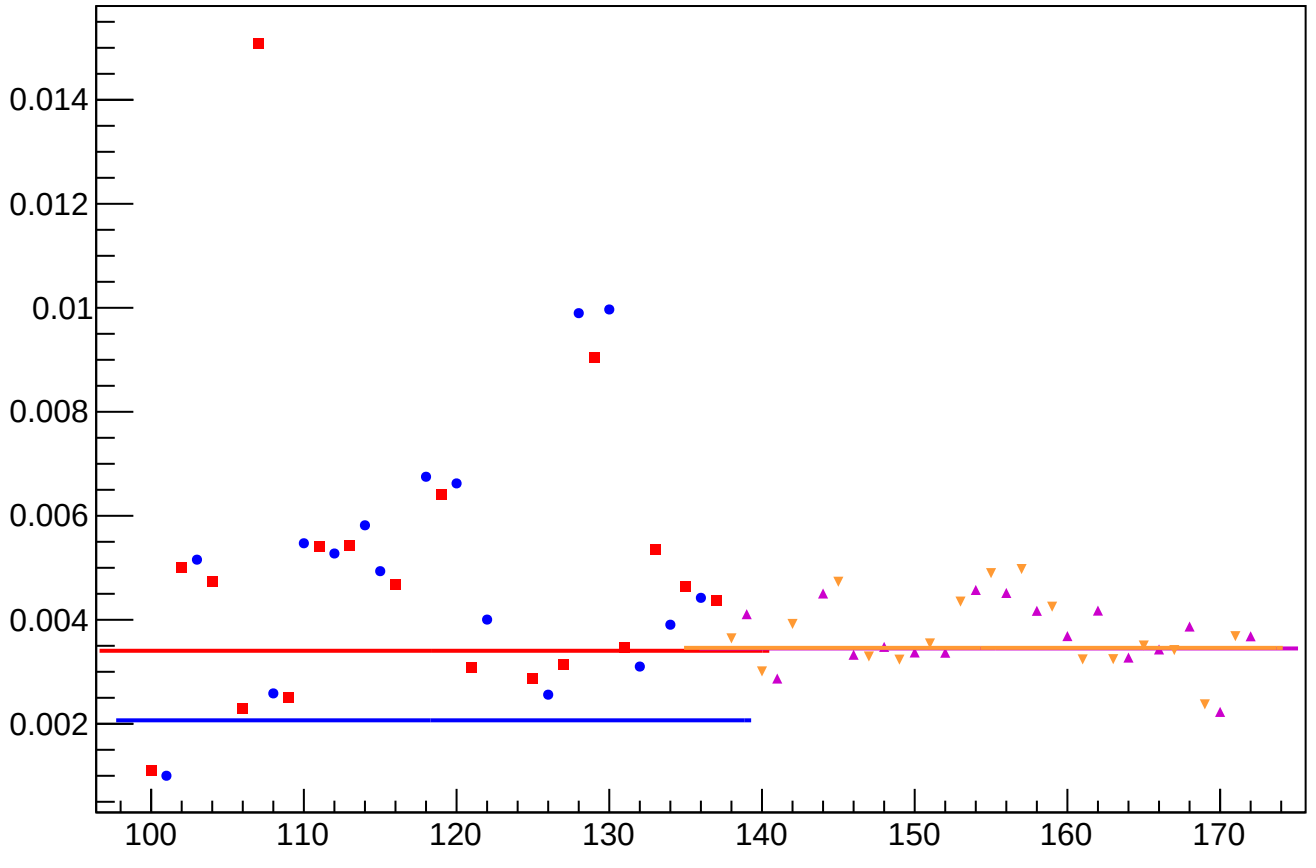
Left: -0.000+/-0.000 χ^2/NDF: 49.8/33

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:52.0/34

All: -0.000+/-0.000 χ^2/NDF: 89.5/67



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

Left Out: 0.003+/-0.000 χ^2/NDF:953387.2/16

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

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

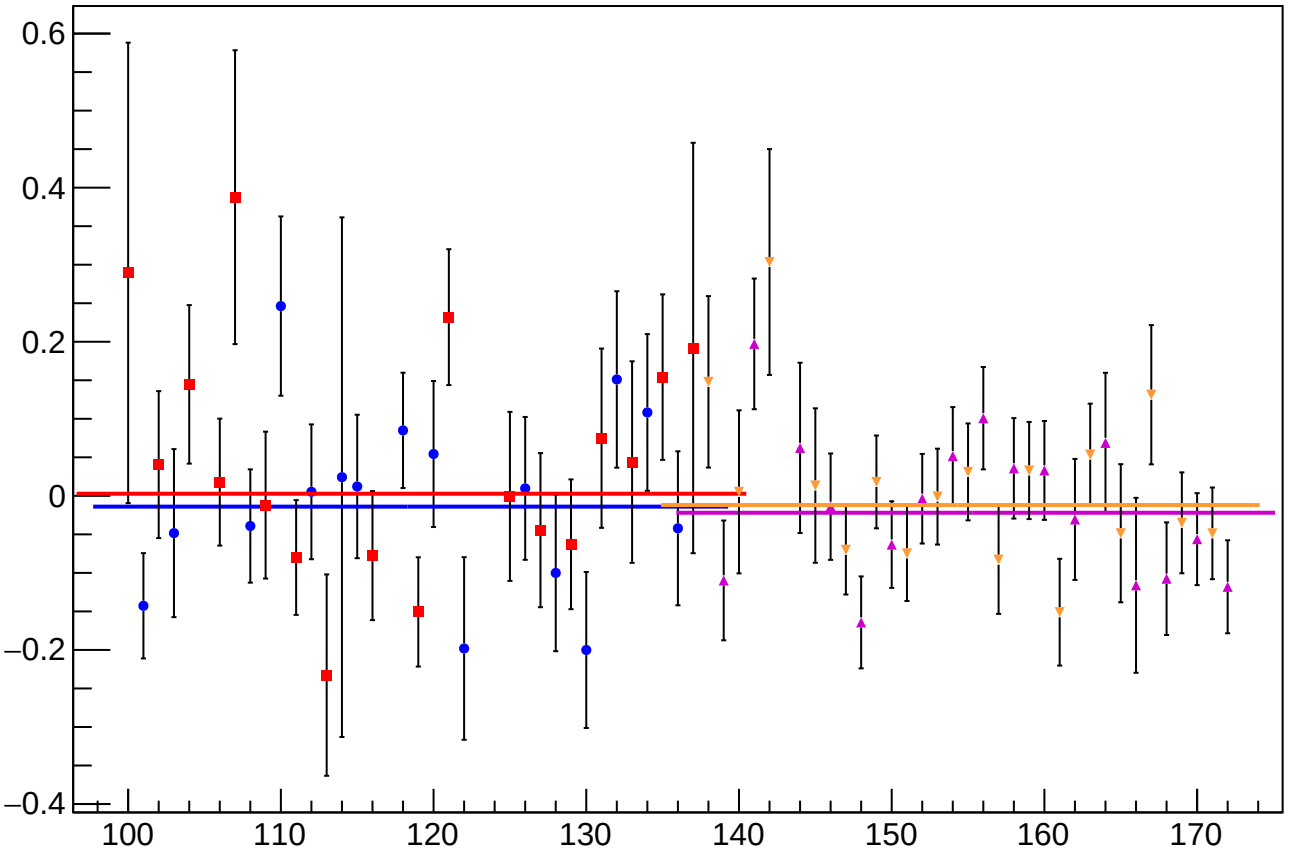
Left: 0.003+/-0.000 χ^2/NDF: 1989956.7/33

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:3446805.4/34

All: 0.003+/-0.000 χ^2/NDF: 13028295.8/67



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

Left Out: -0.012+/-0.017 χ^2/NDF:19.3/16

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

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

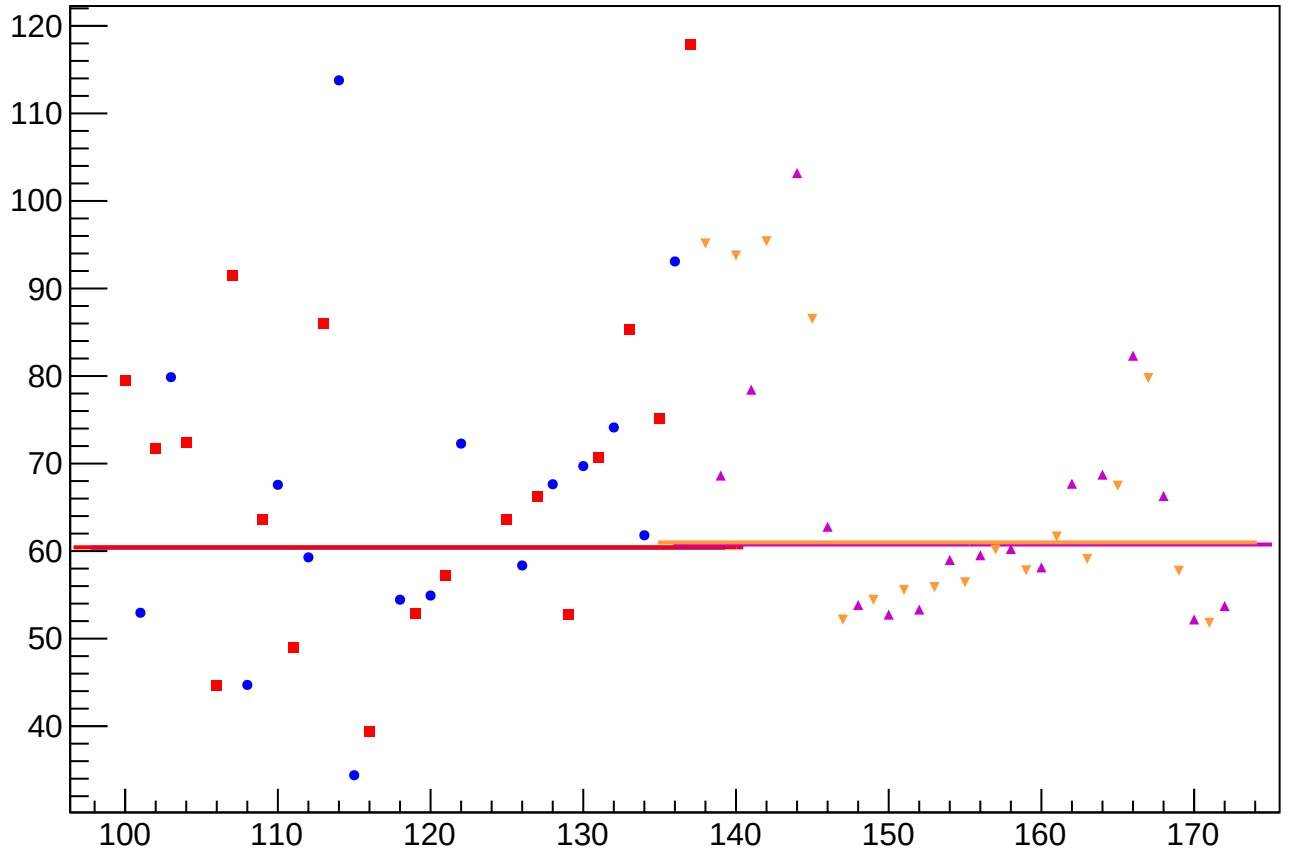
Left: -0.017+/-0.012 χ^2/NDF: 46.5/33

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

In: -0.019+/-0.014 χ^2/NDF:48.5/32

Out: -0.007+/-0.014 χ^2/NDF:47.3/34

All: -0.013+/-0.010 χ^2/NDF: 96.2/67



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

Left Out: 60.992+/-0.012 χ^2/NDF:886384.1/16

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: 60.868+/-0.009 χ^2/NDF: 1579424.6/33

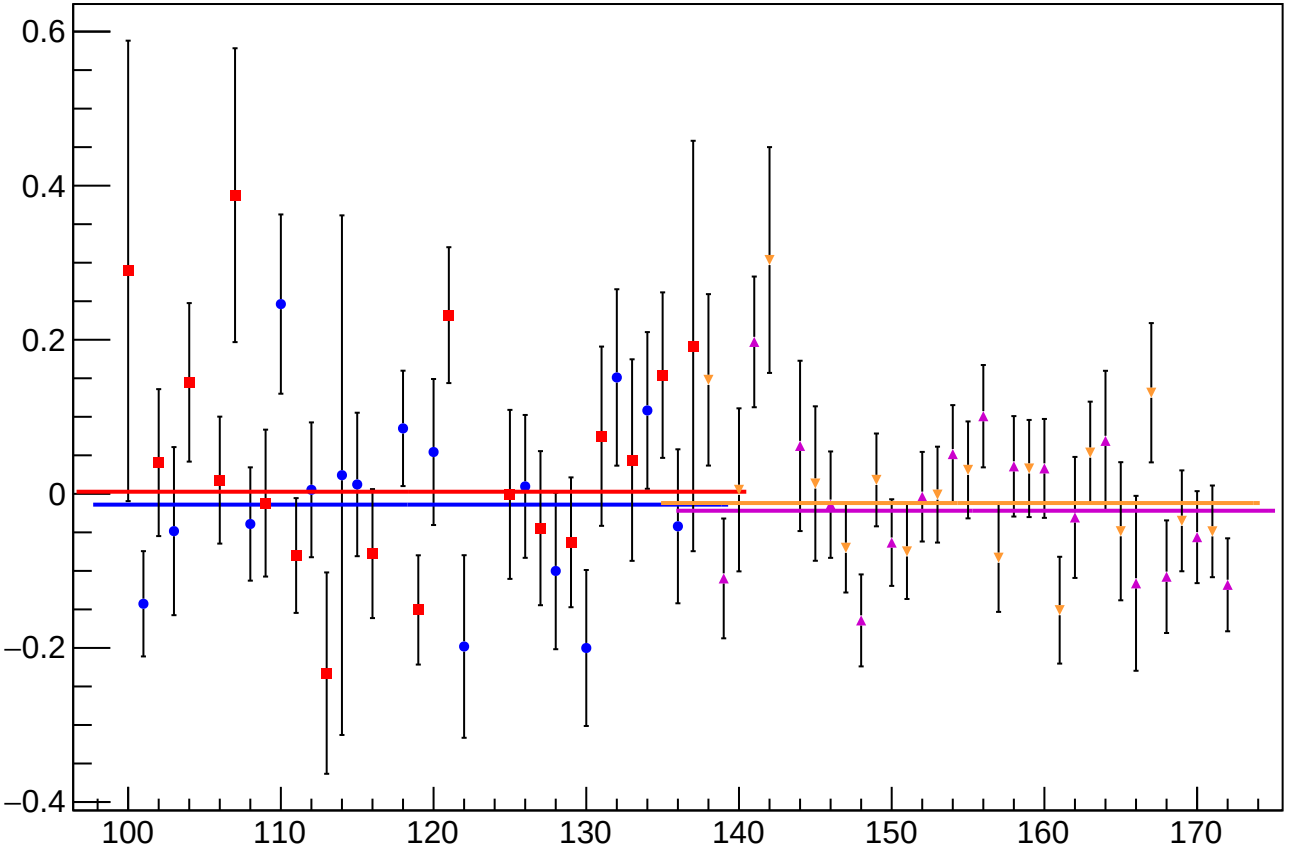
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

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

Out: 60.798+/-0.010 χ^2/NDF:1598229.4/34

All: 60.714+/-0.007 χ^2/NDF: 2994670.6/67

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.012+/-0.017 χ^2/NDF:19.3/16

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

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

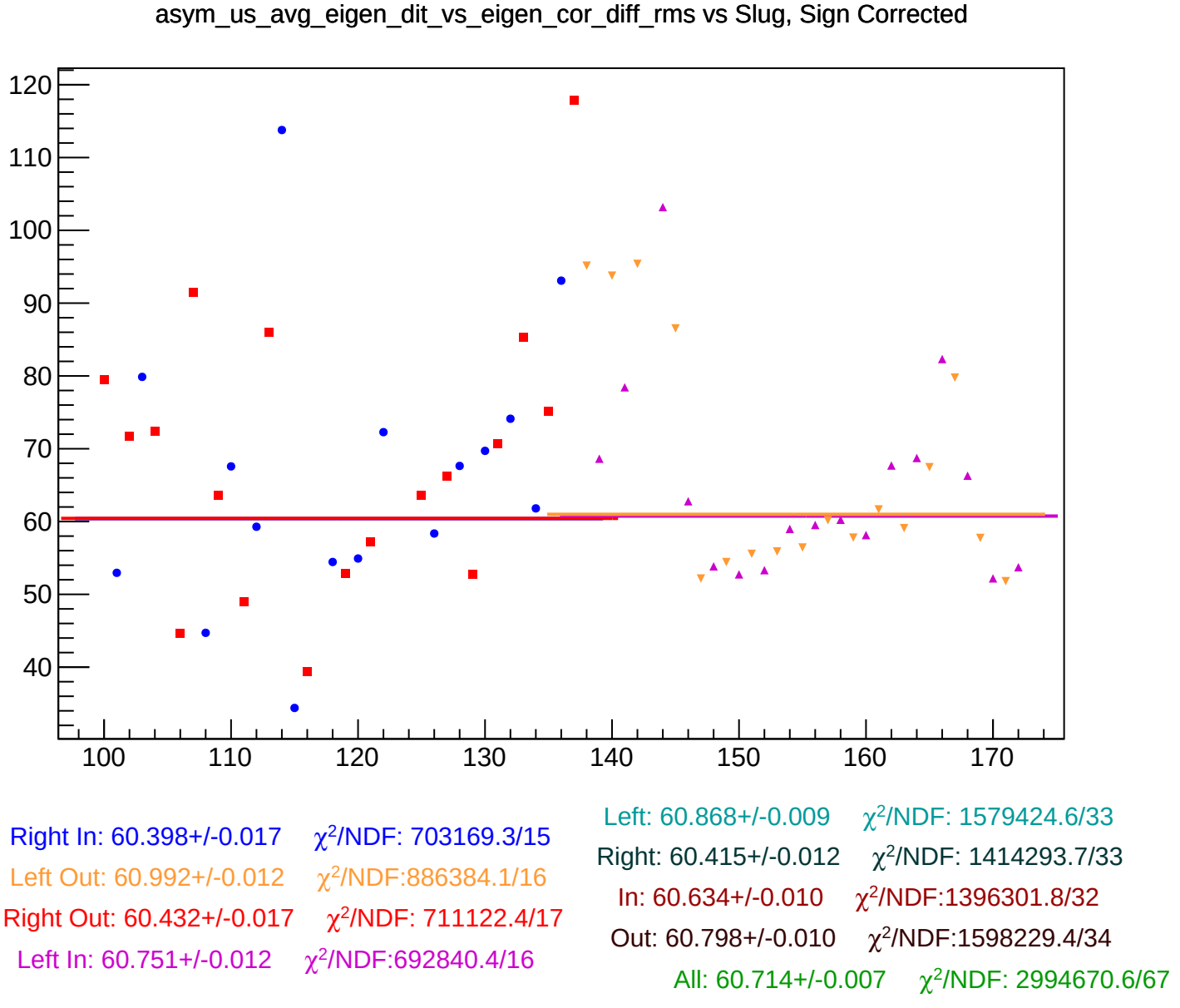
Left: -0.017+/-0.012 χ^2/NDF: 46.5/33

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

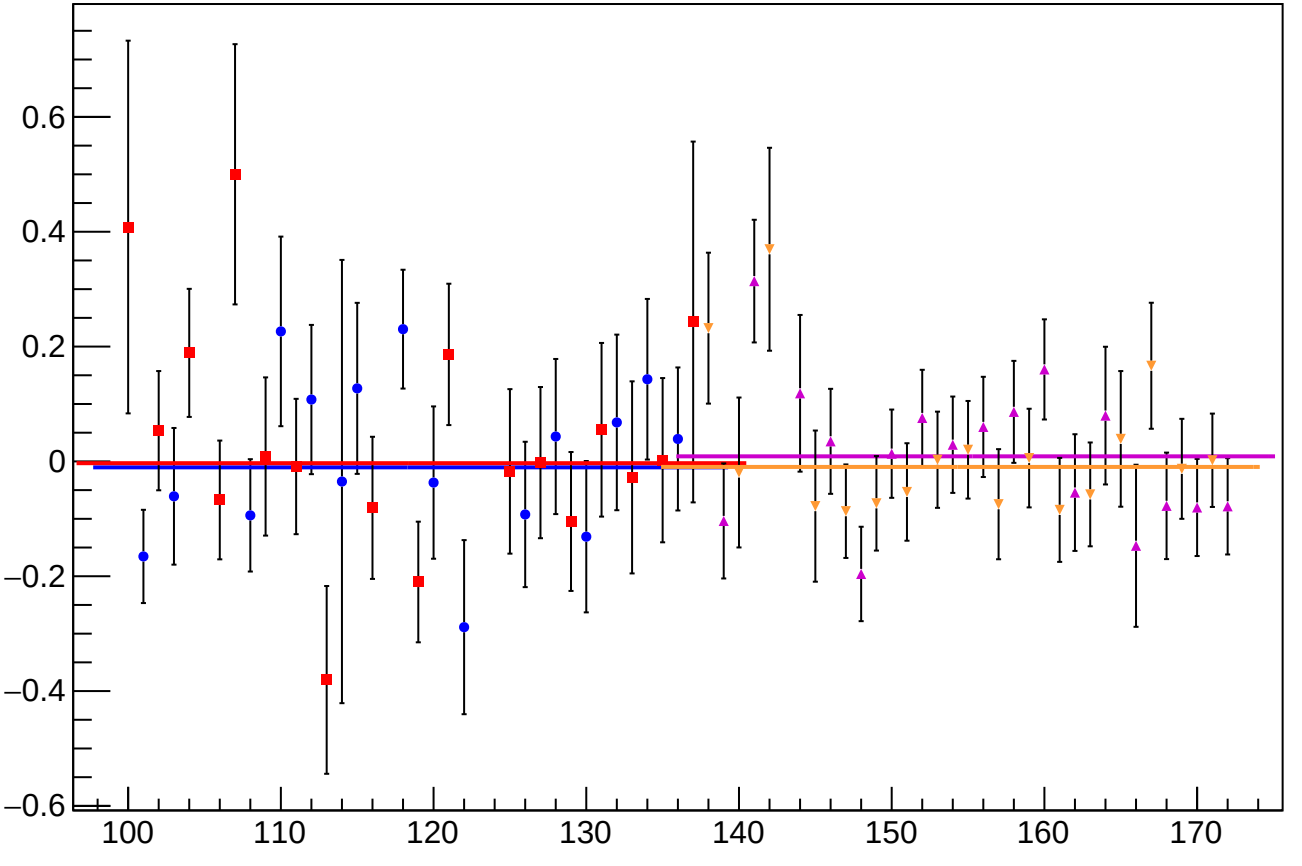
In: -0.019+/-0.014 χ^2/NDF:48.5/32

Out: -0.007+/-0.014 χ^2/NDF:47.3/34

All: -0.013+/-0.010 χ^2/NDF: 96.2/67


asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
120
110
100
90
80
70
60
50
40
100
110
120
130
140
150
160
170
Right In: 60.398+/-0.017 χ²/NDF: 703169.3/15
Left Out: 60.992+/-0.012 χ²/NDF:886384.1/16
Right Out: 60.432+/-0.017 χ²/NDF: 711122.4/17
Left In: 60.751+/-0.012 χ²/NDF:692840.4/16
Left: 60.868+/-0.009 χ²/NDF: 1579424.6/33
Right: 60.415+/-0.012 χ²/NDF: 1414293.7/33
In: 60.634+/-0.010 χ²/NDF:1396301.8/32
Out: 60.798+/-0.010 χ²/NDF:1598229.4/34
All: 60.714+/-0.007 χ²/NDF: 2994670.6/67

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: -0.010+/-0.023 χ^2/NDF:14.4/16

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

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

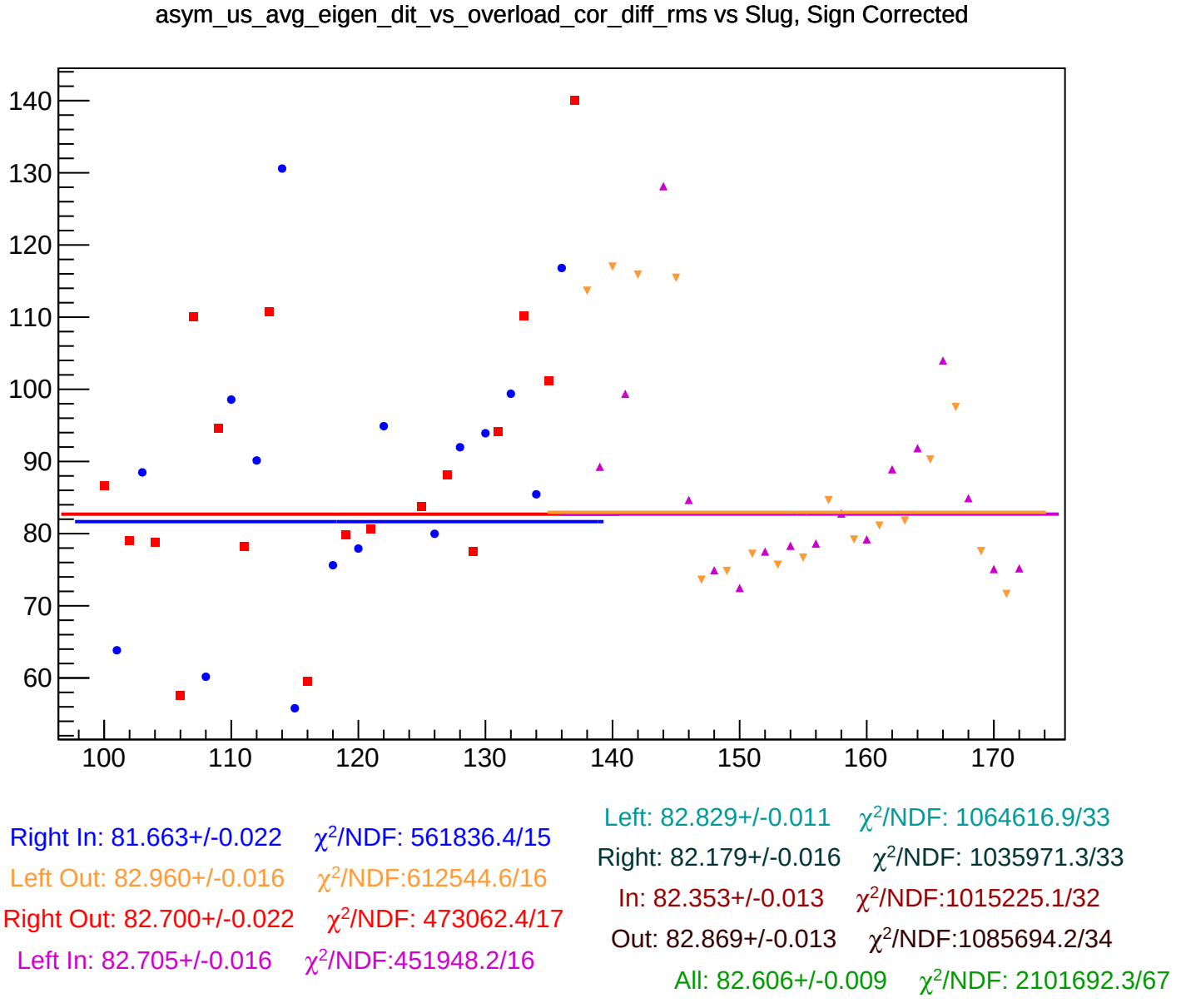
Left: -0.000+/-0.016 χ^2/NDF: 40.9/33

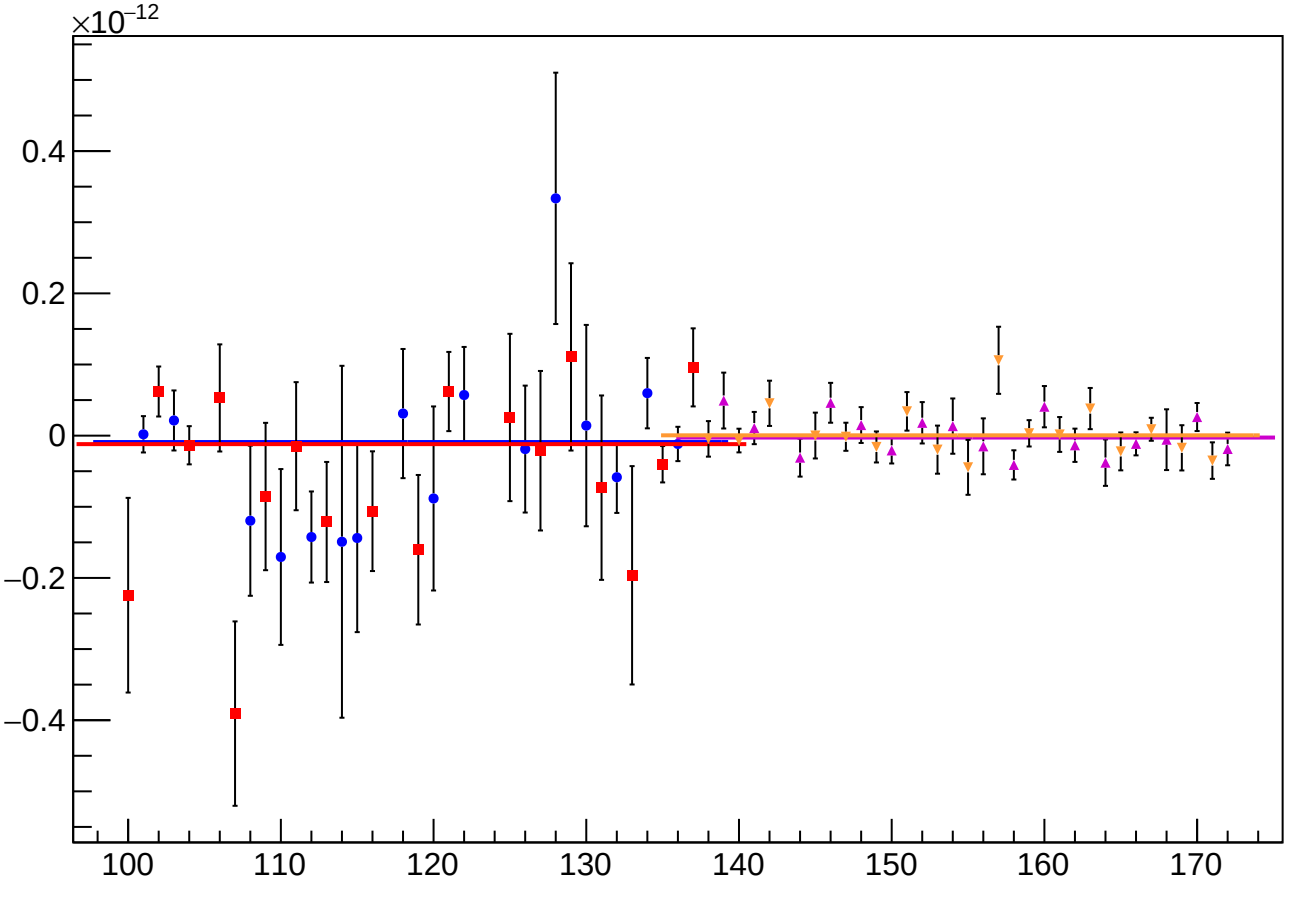
Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.002+/-0.018 χ^2/NDF:46.6/32

Out: -0.007+/-0.019 χ^2/NDF:38.1/34

All: -0.002+/-0.013 χ^2/NDF: 84.8/67


asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected
140
130
120
110
100
90
80
70
60
100
110
120
130
140
150
160
170
Right In: 81.663+/-0.022 χ²/NDF: 561836.4/15
Left Out: 82.960+/-0.016 χ²/NDF:612544.6/16
Right Out: 82.700+/-0.022 χ²/NDF: 473062.4/17
Left In: 82.705+/-0.016 χ²/NDF:451948.2/16
Left: 82.829+/-0.011 χ²/NDF: 1064616.9/33
Right: 82.179+/-0.016 χ²/NDF: 1035971.3/33
In: 82.353+/-0.013 χ²/NDF:1015225.1/32
Out: 82.869+/-0.013 χ²/NDF:1085694.2/34
All: 82.606+/-0.009 χ²/NDF: 2101692.3/67



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

Left Out: 0.000+/-0.000 χ^2/NDF:16.0/16

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

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

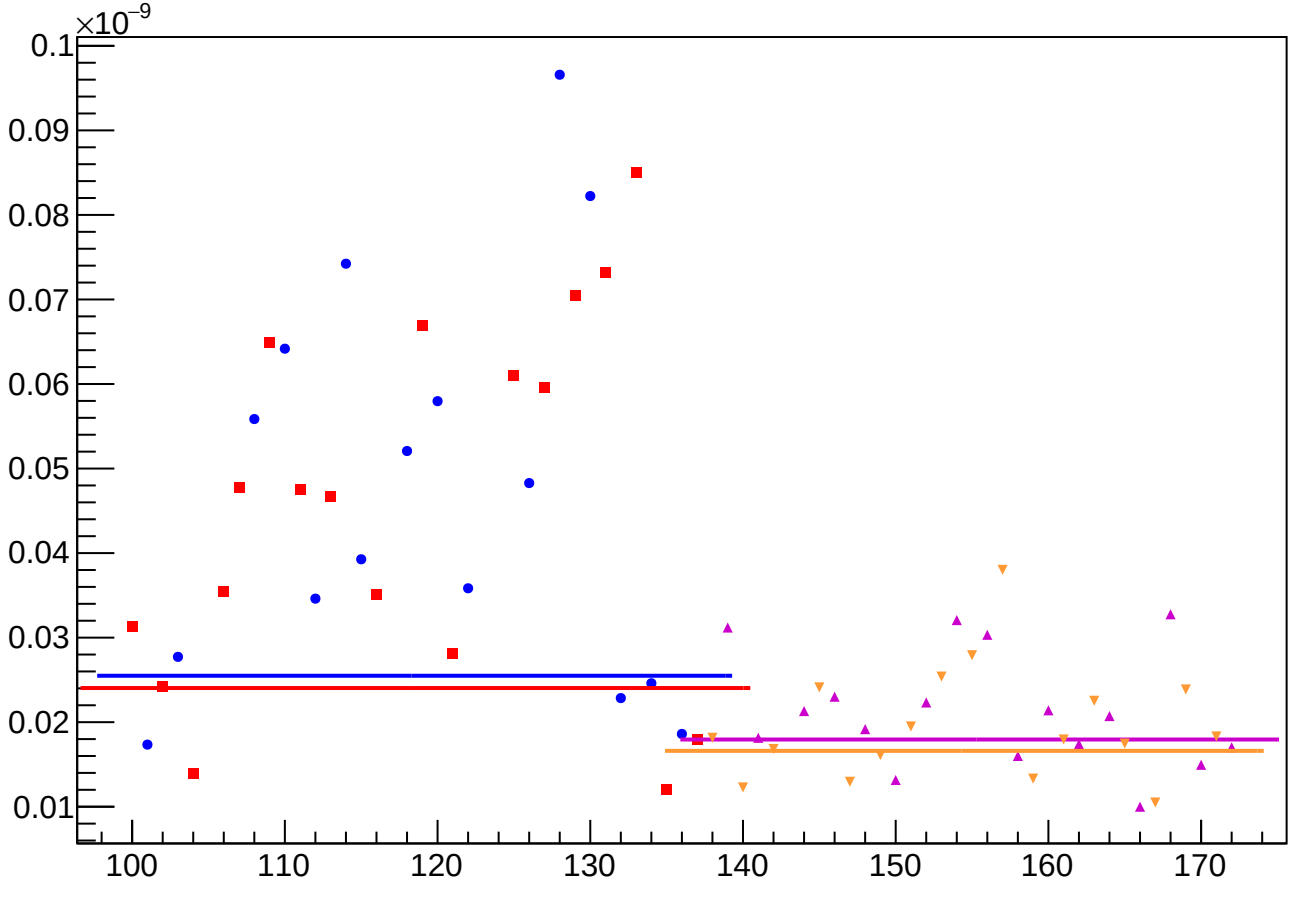
Left: -0.000+/-0.000 χ^2/NDF: 34.7/33

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:47.8/34

All: -0.000+/-0.000 χ^2/NDF: 84.0/67



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

Left Out: 0.000+/-0.000 χ^2/NDF:1616935.7/16

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

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

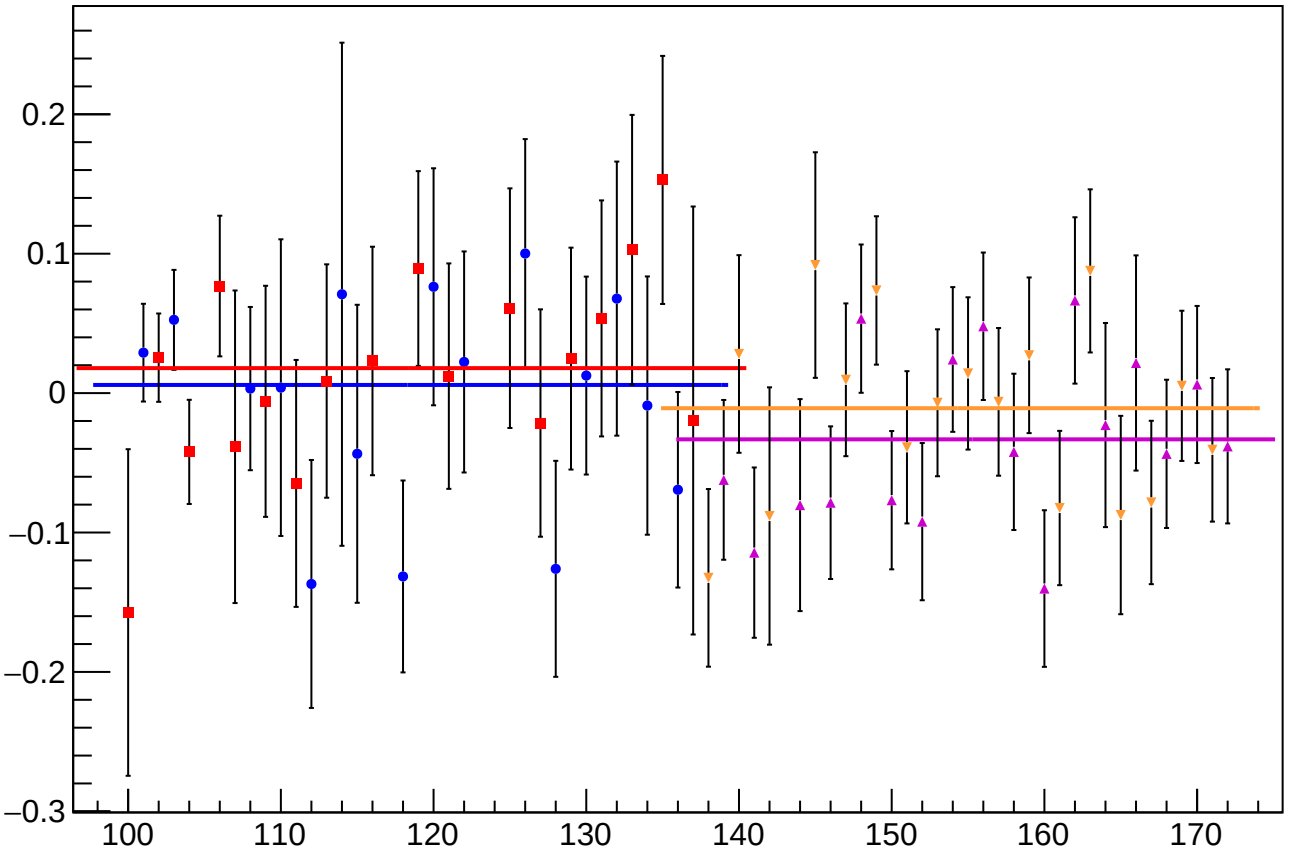
Left: 0.000+/-0.000 χ^2/NDF: 3474179.6/33

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:5216980.2/34

All: 0.000+/-0.000 χ^2/NDF: 9629261.4/67



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

Left Out: -0.011+/-0.014 χ^2/NDF:17.3/16

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: -0.022+/-0.010 χ^2/NDF: 37.2/33

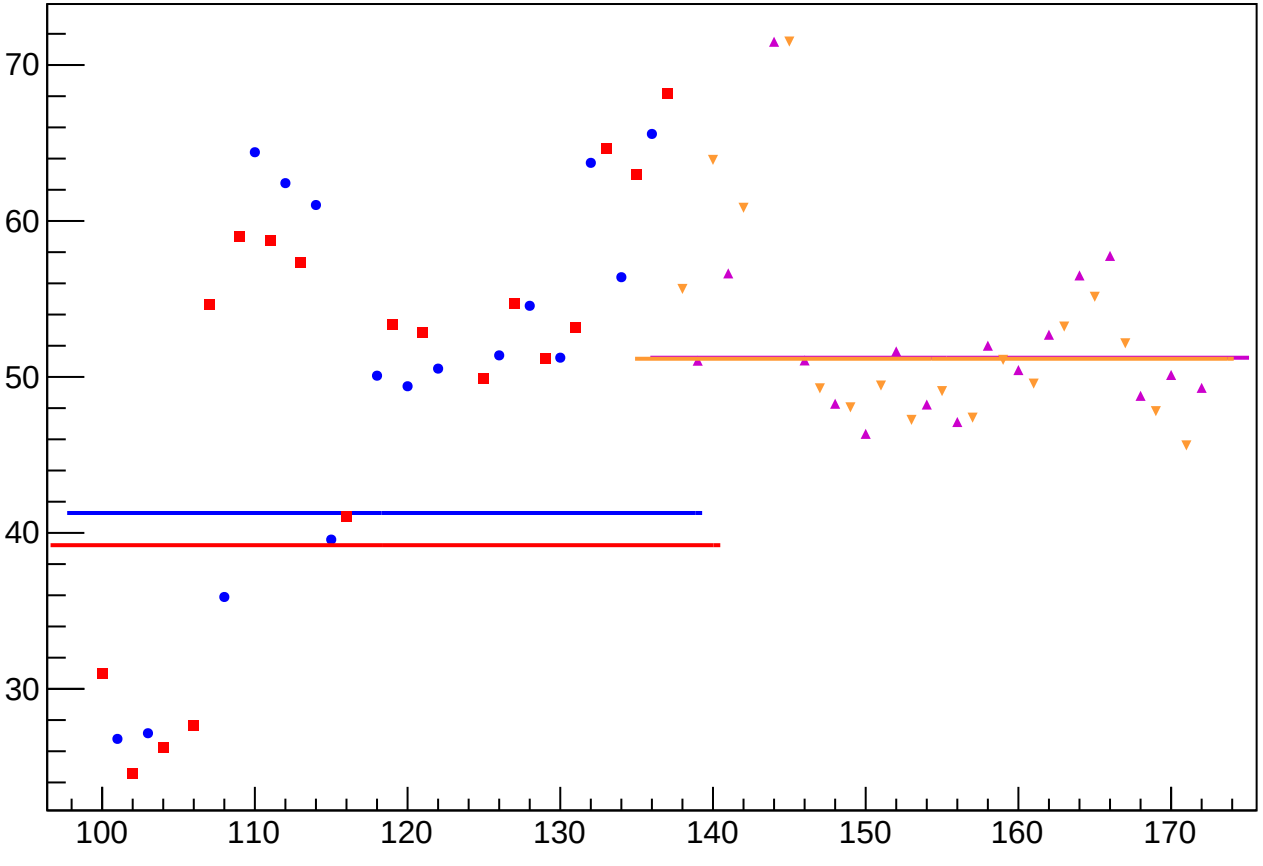
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.017+/-0.011 χ^2/NDF:37.5/32

Out: 0.002+/-0.011 χ^2/NDF:31.4/34

All: -0.007+/-0.007 χ^2/NDF: 70.6/67

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: 51.167+/-0.010 χ^2/NDF:300344.3/16

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: 51.200+/-0.007 χ^2/NDF: 536656.2/33

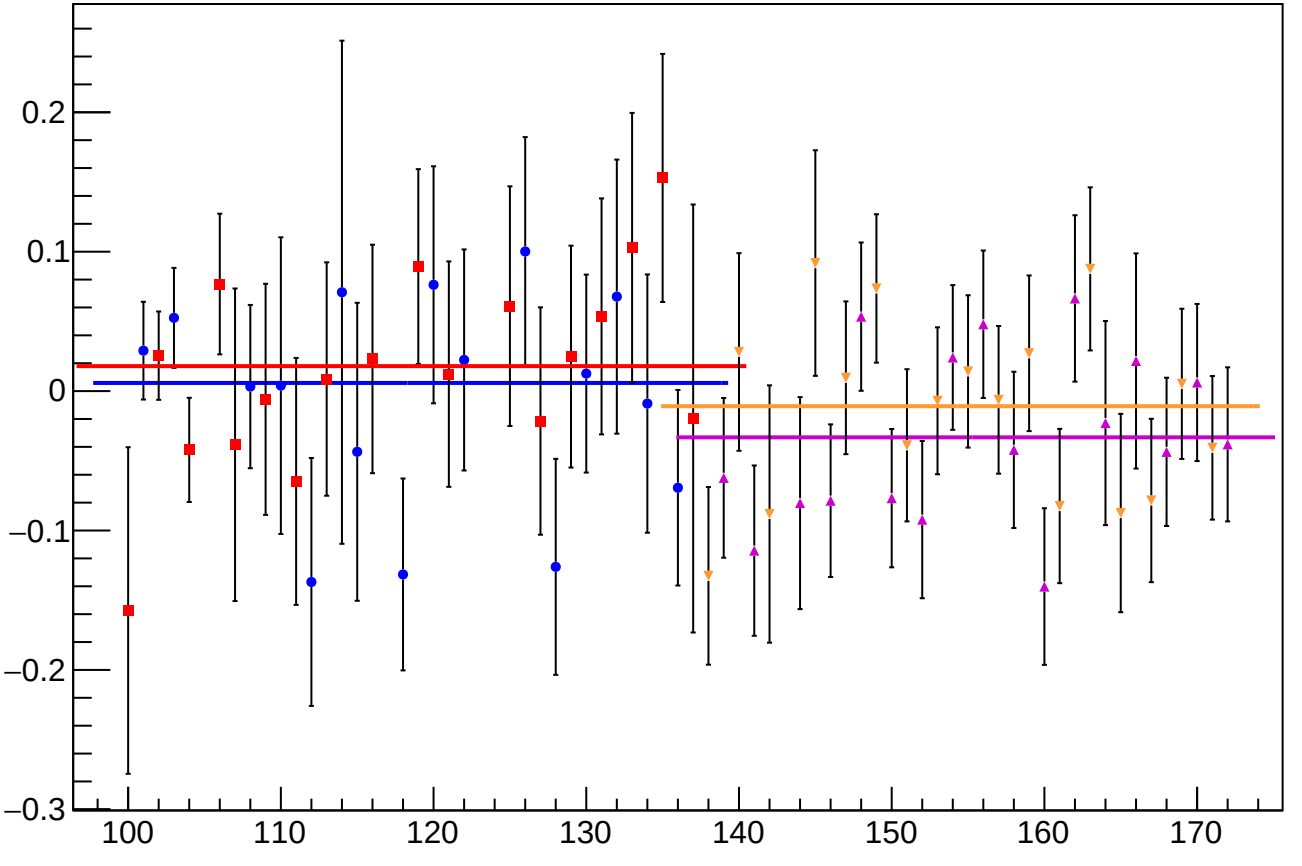
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

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

Out: 45.788+/-0.007 χ^2/NDF:2755363.7/34

All: 46.435+/-0.005 χ^2/NDF: 4936225.5/67

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: -0.011+/-0.014 χ^2/NDF:17.3/16

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: -0.022+/-0.010 χ^2/NDF: 37.2/33

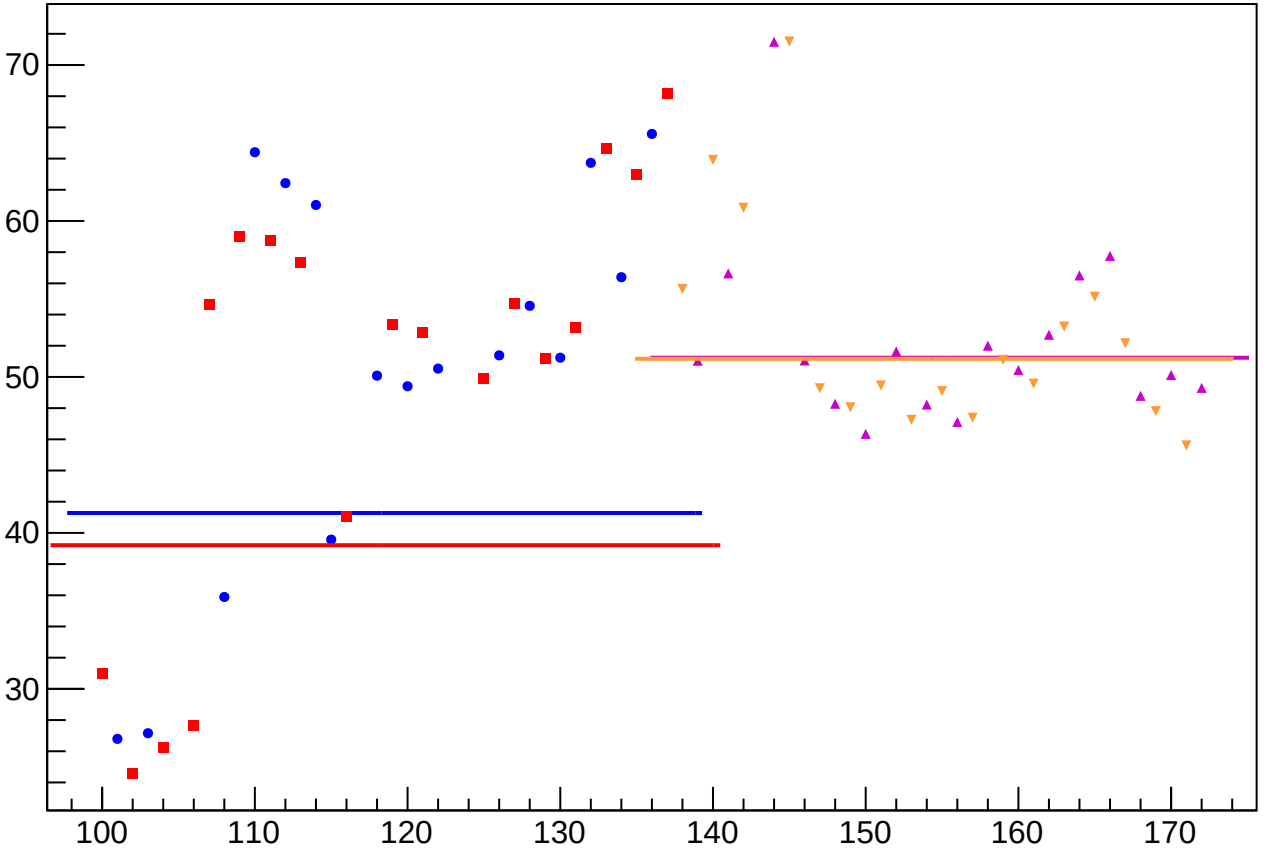
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.017+/-0.011 χ^2/NDF:37.5/32

Out: 0.002+/-0.011 χ^2/NDF:31.4/34

All: -0.007+/-0.007 χ^2/NDF: 70.6/67

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: 51.167+/-0.010 χ^2/NDF:300344.3/16

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: 51.200+/-0.007 χ^2/NDF: 536656.2/33

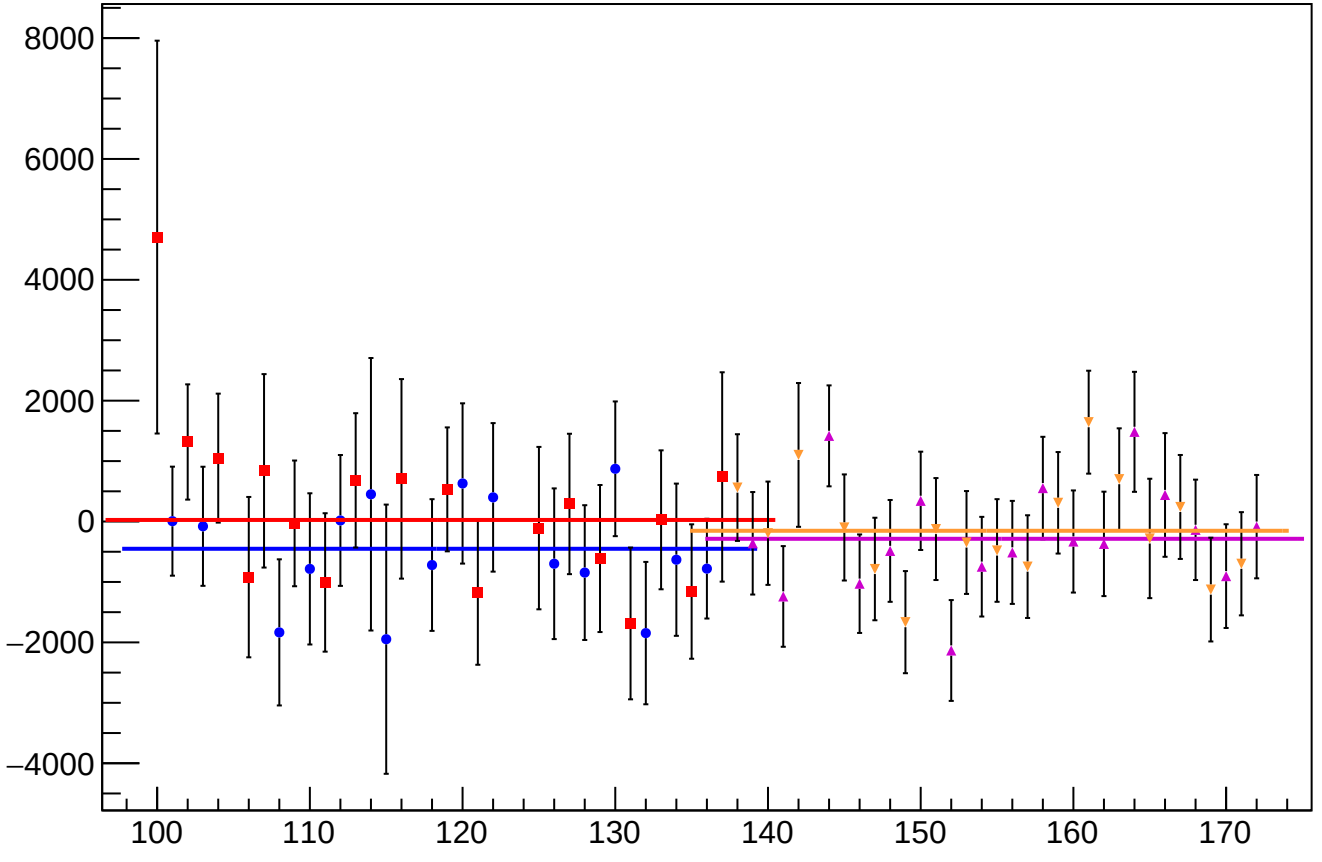
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

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

Out: 45.788+/-0.007 χ^2/NDF:2755363.7/34

All: 46.435+/-0.005 χ^2/NDF: 4936225.5/67

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -153.040+/-211.688 χ^2/NDF:13.9/16

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: -220.770+/-148.151 χ^2/NDF: 31.7/33

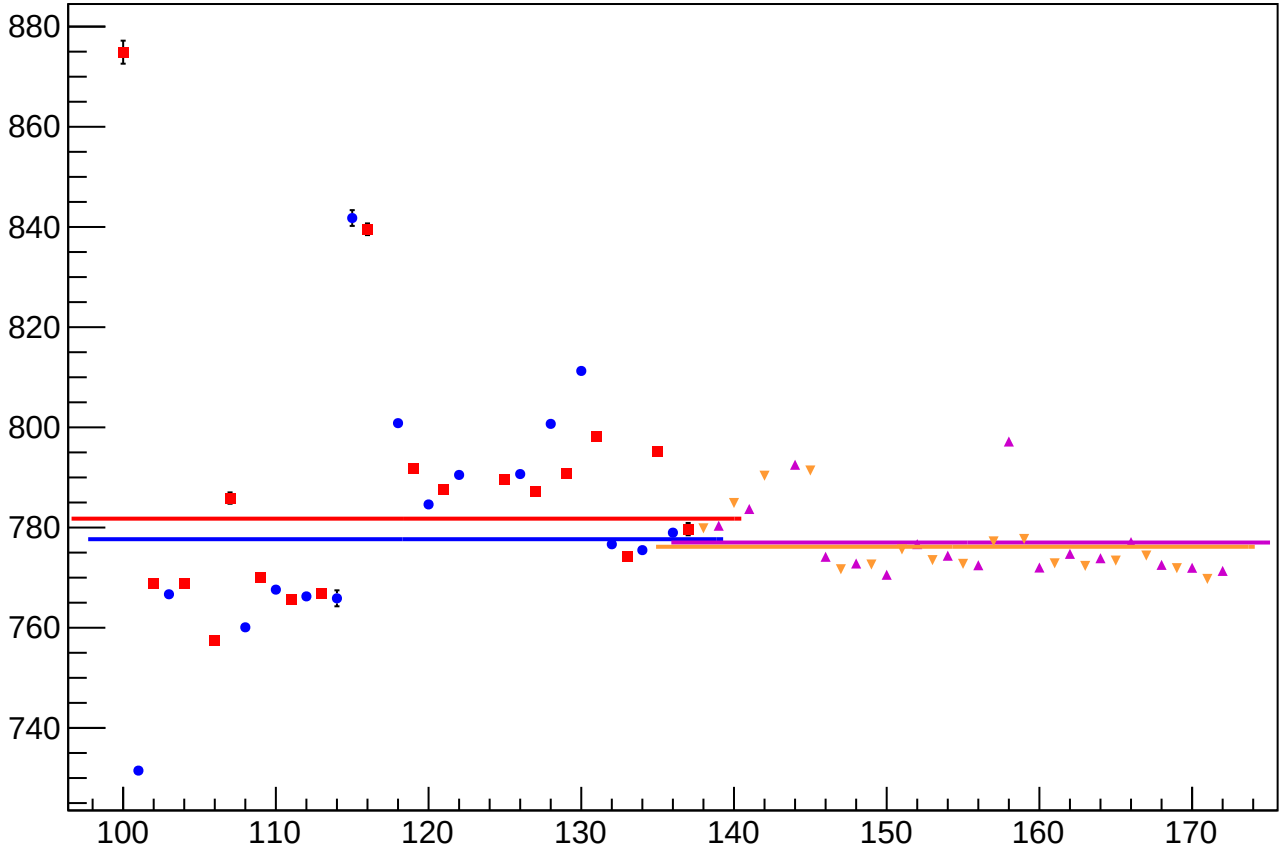
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

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

Out: -90.227+/-170.585 χ^2/NDF:25.9/34

All: -217.641+/-119.877 χ^2/NDF: 51.6/67

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 776.163+/-0.150 χ^2/NDF:1541.3/16

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

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

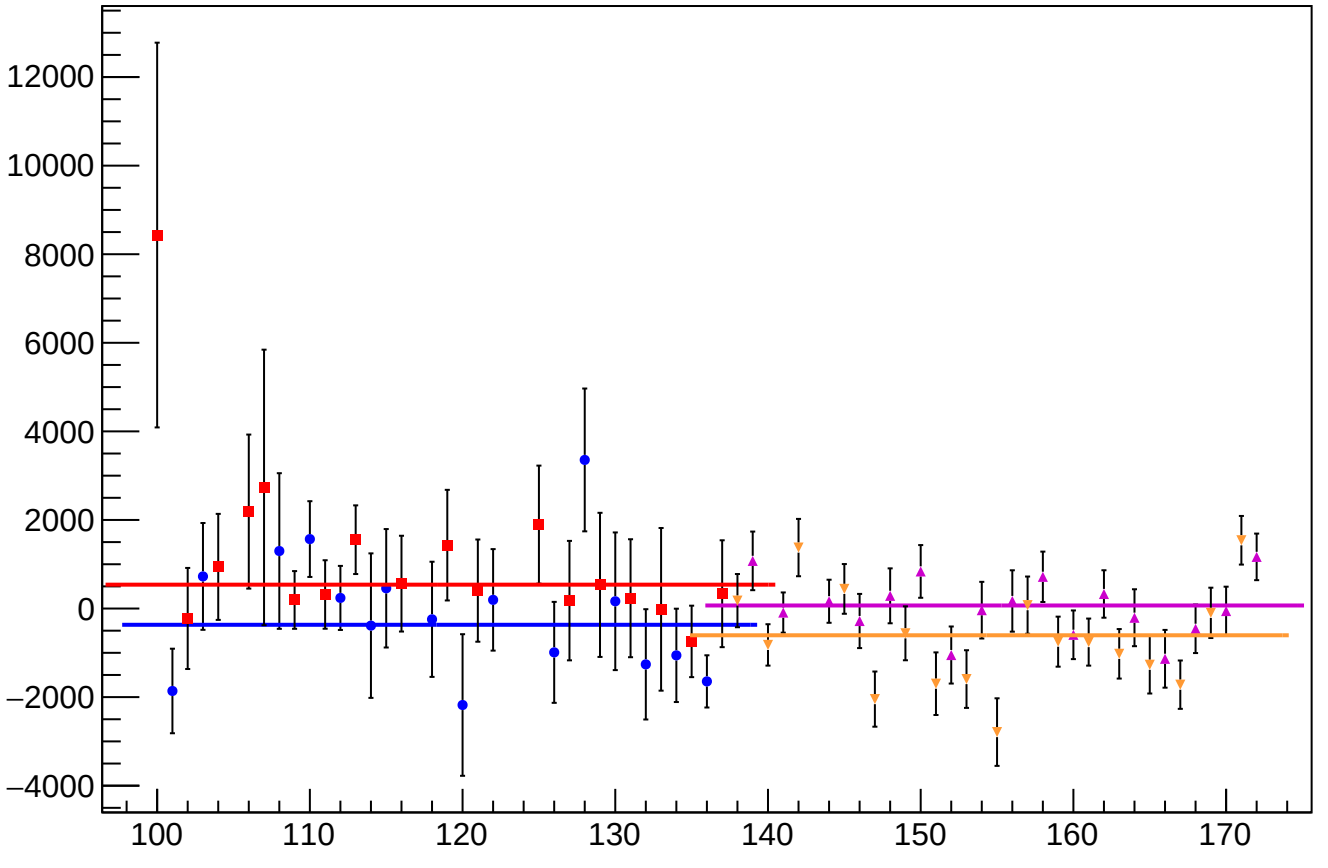
Left: 776.596+/-0.105 χ^2/NDF: 4132.2/33

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

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

Out: 778.132+/-0.121 χ^2/NDF:9660.7/34

All: 777.679+/-0.085 χ^2/NDF: 24325.5/67



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

Left Out: -603.821+/-143.331 χ^2/NDF:56.1/16

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

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

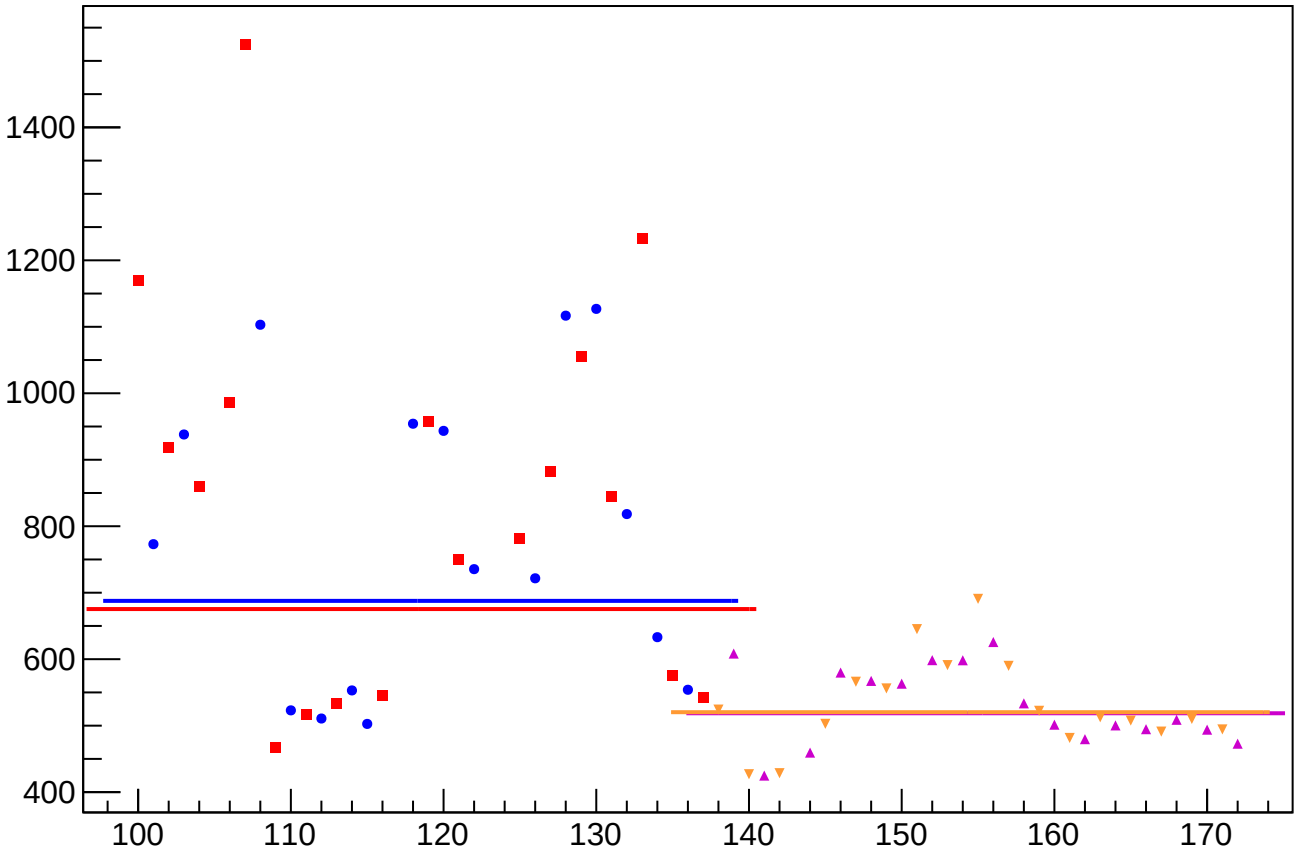
Left: -258.514+/-100.002 χ^2/NDF: 87.0/33

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

In: -24.755+/-123.674 χ^2/NDF:45.0/32

Out: -342.004+/-125.844 χ^2/NDF:82.3/34

All: -180.621+/-88.208 χ^2/NDF: 130.5/67



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

Left Out: 520.261+/-0.101 χ^2/NDF:371606.2/16

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: 519.434+/-0.071 χ^2/NDF: 714824.8/33

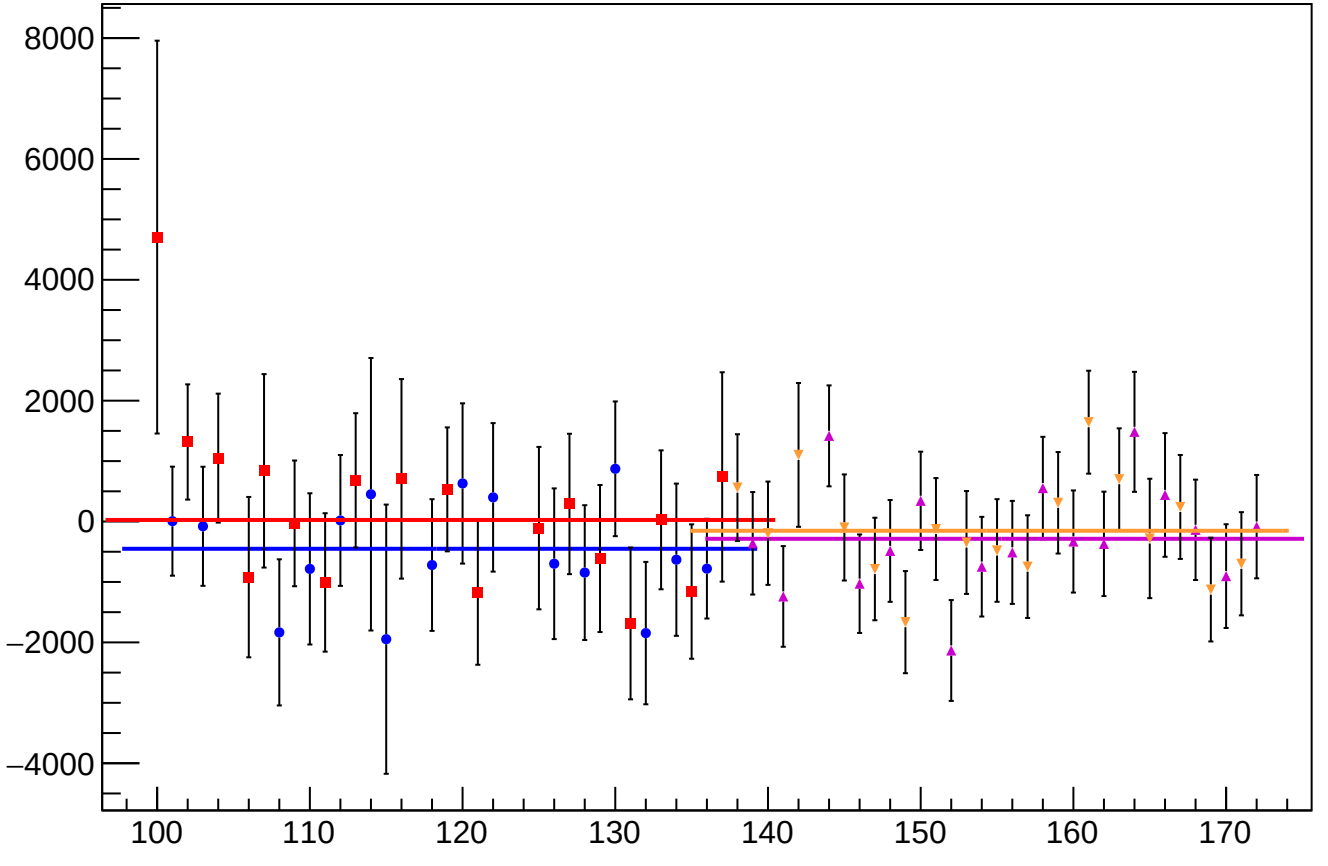
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

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

Out: 555.809+/-0.089 χ^2/NDF:2221528.1/34

All: 555.400+/-0.062 χ^2/NDF: 4227455.1/67

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -153.040+/-211.688 χ^2/NDF:13.9/16

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: -220.770+/-148.151 χ^2/NDF: 31.7/33

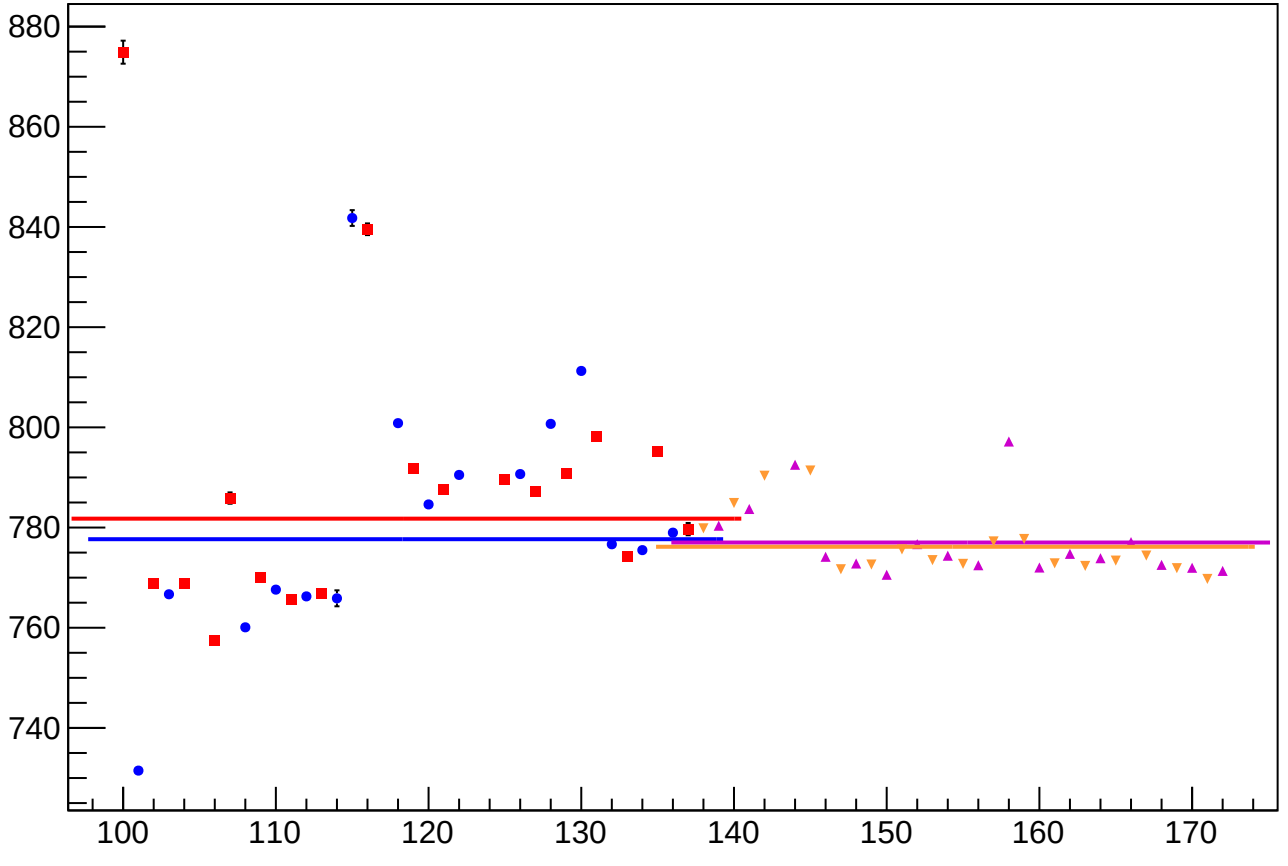
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

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

Out: -90.227+/-170.585 χ^2/NDF:25.9/34

All: -217.641+/-119.877 χ^2/NDF: 51.6/67

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 776.163+/-0.150 χ^2/NDF:1541.3/16

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

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

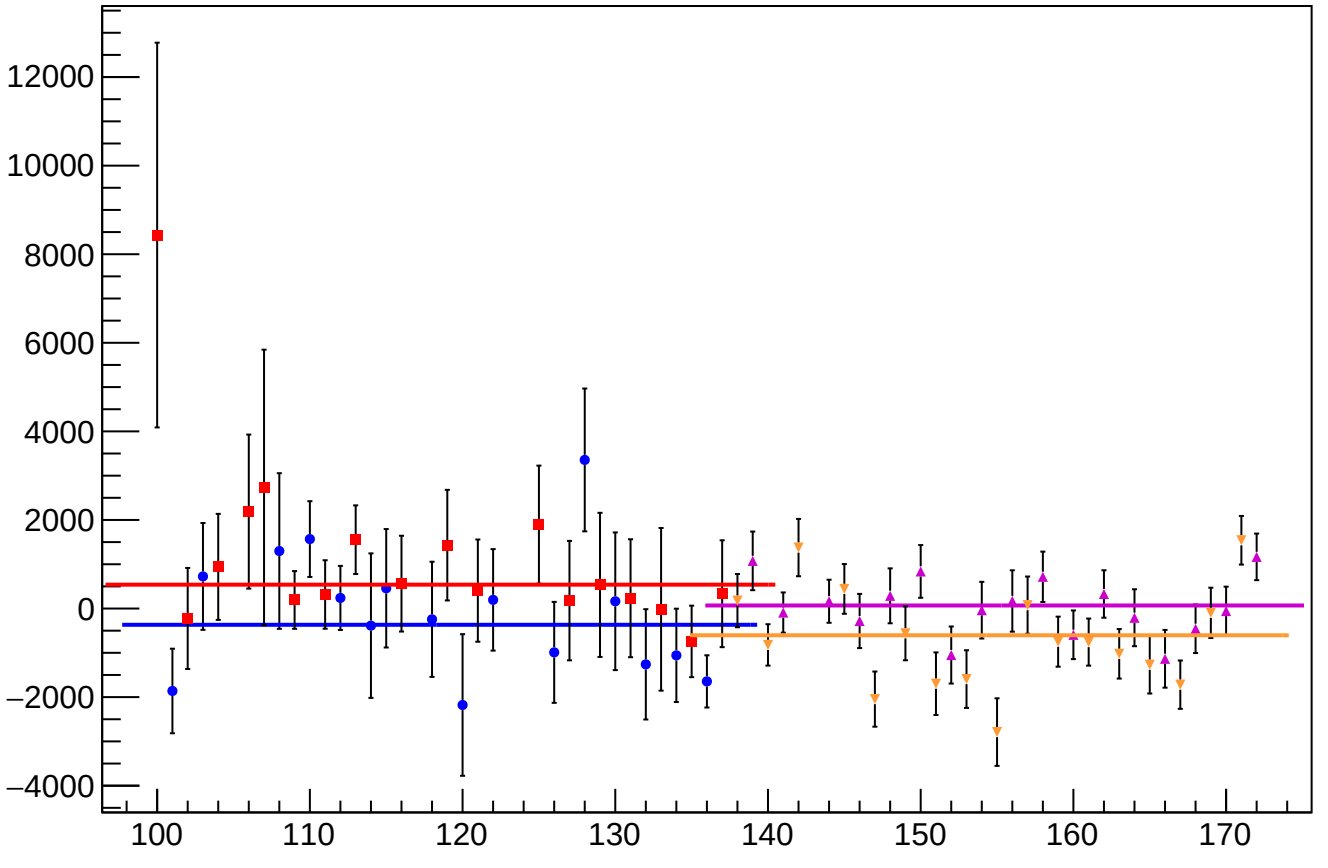
Left: 776.596+/-0.105 χ^2/NDF: 4132.2/33

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

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

Out: 778.132+/-0.121 χ^2/NDF:9660.7/34

All: 777.679+/-0.085 χ^2/NDF: 24325.5/67



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

Left Out: -603.821+/-143.331 χ^2/NDF:56.1/16

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

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

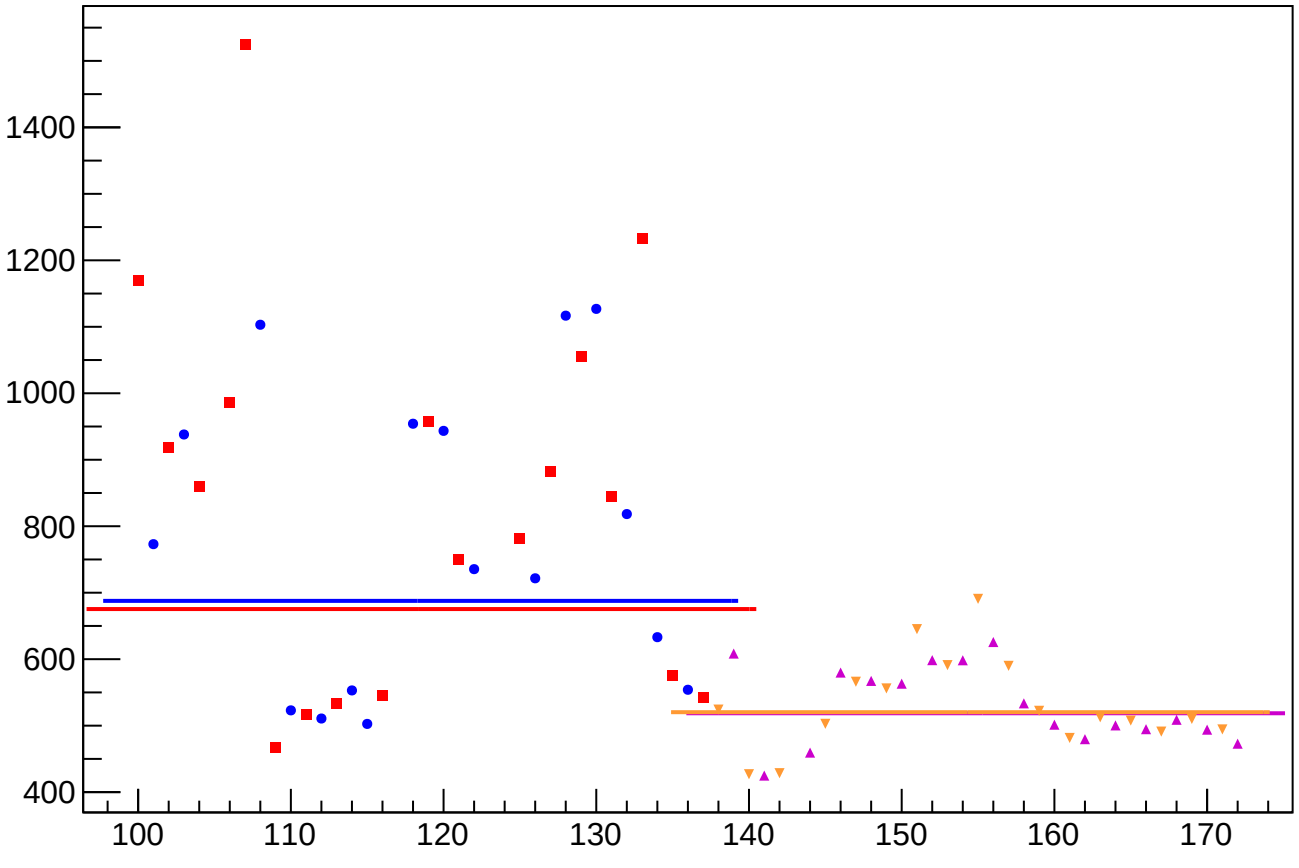
Left: -258.514+/-100.002 χ^2/NDF: 87.0/33

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

In: -24.755+/-123.674 χ^2/NDF:45.0/32

Out: -342.004+/-125.844 χ^2/NDF:82.3/34

All: -180.621+/-88.208 χ^2/NDF: 130.5/67



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

Left Out: 520.261+/-0.101 χ^2/NDF:371606.2/16

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

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

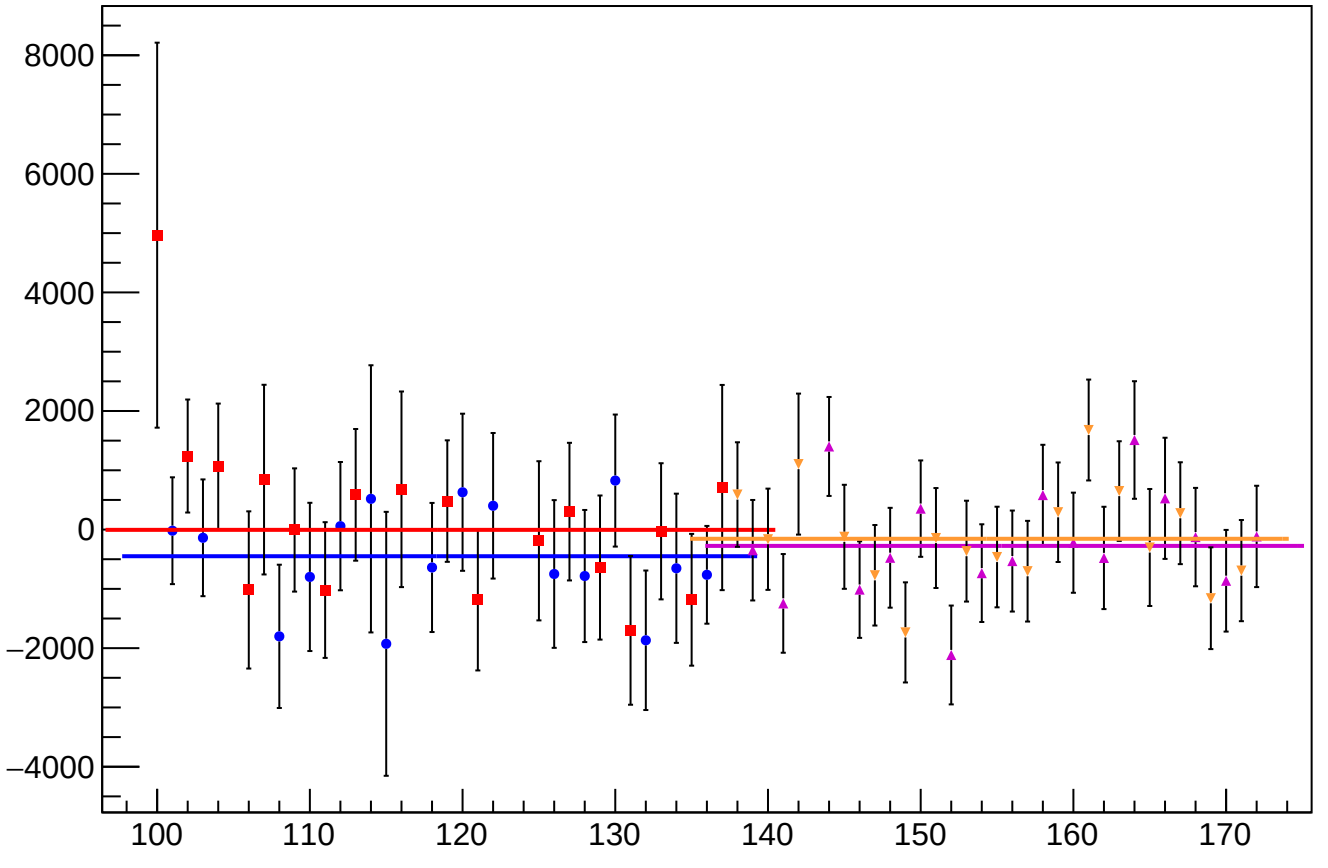
Left: 519.434+/-0.071 χ^2/NDF: 714824.8/33

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

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

Out: 555.809+/-0.089 χ^2/NDF:2221528.1/34

All: 555.400+/-0.062 χ^2/NDF: 4227455.1/67



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

Left Out: -155.267+/-211.495 χ^2/NDF:14.4/16

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

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

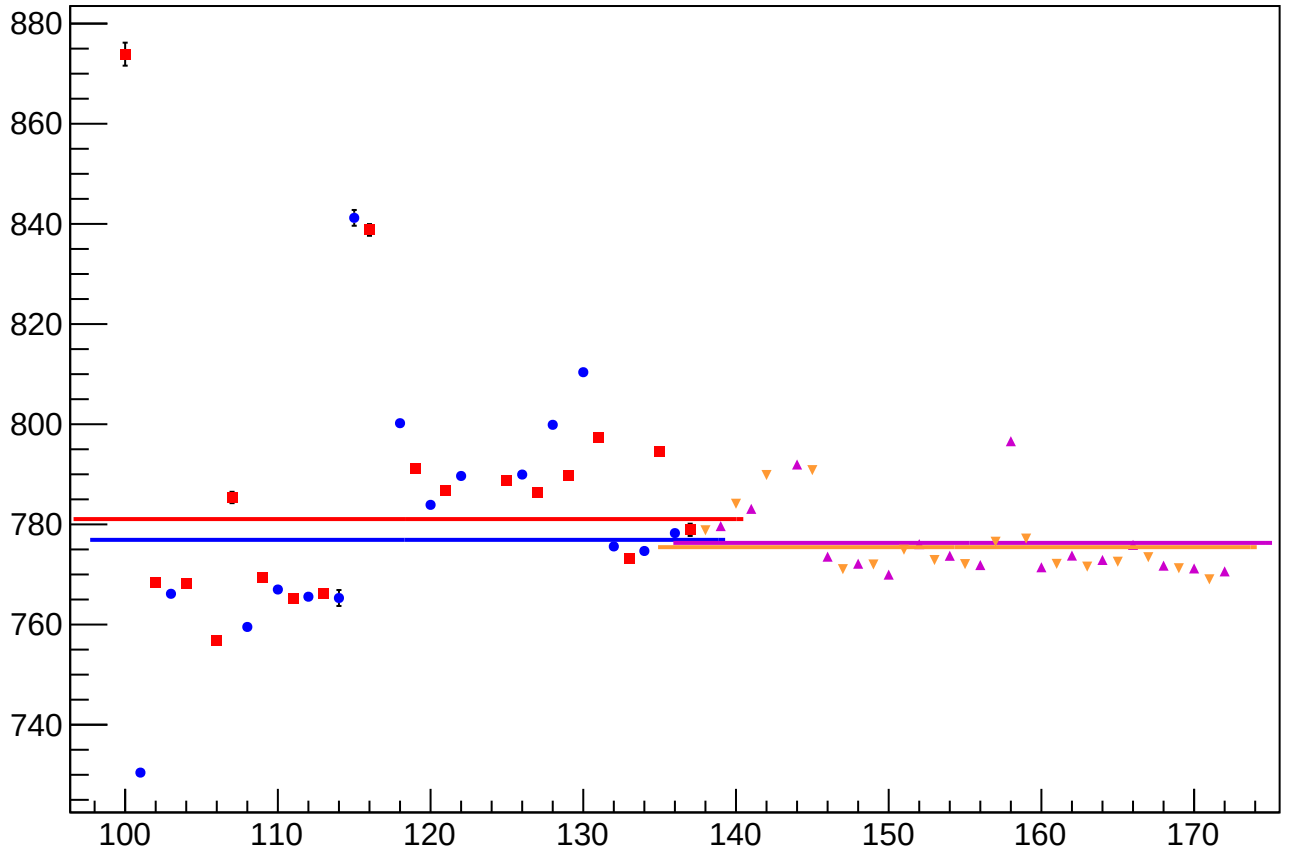
Left: -216.405+/-148.016 χ^2/NDF: 32.1/33

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

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

Out: -102.453+/-170.429 χ^2/NDF:26.4/34

All: -219.849+/-119.766 χ^2/NDF: 51.9/67



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

Left Out: 775.453+/-0.150 χ^2/NDF:1556.5/16

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: 775.889+/-0.105 χ^2/NDF: 4181.2/33

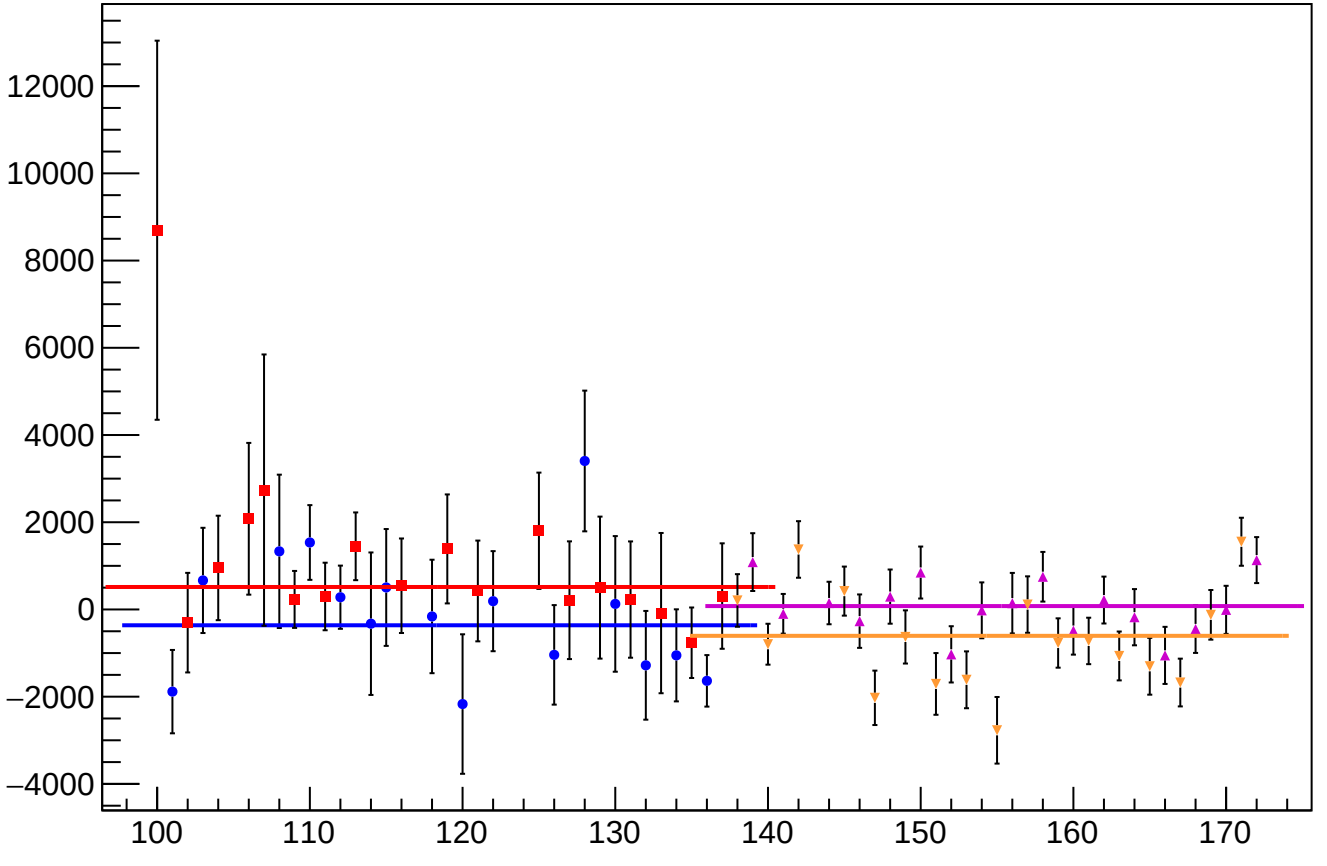
Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

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

Out: 777.419+/-0.121 χ^2/NDF:9635.3/34

All: 776.961+/-0.085 χ^2/NDF: 24401.4/67

asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected



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

Left Out: -604.634+/-143.641 χ^2/NDF:55.8/16

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

Left In: 77.500+/-139.892 χ^2/NDF:18.2/16

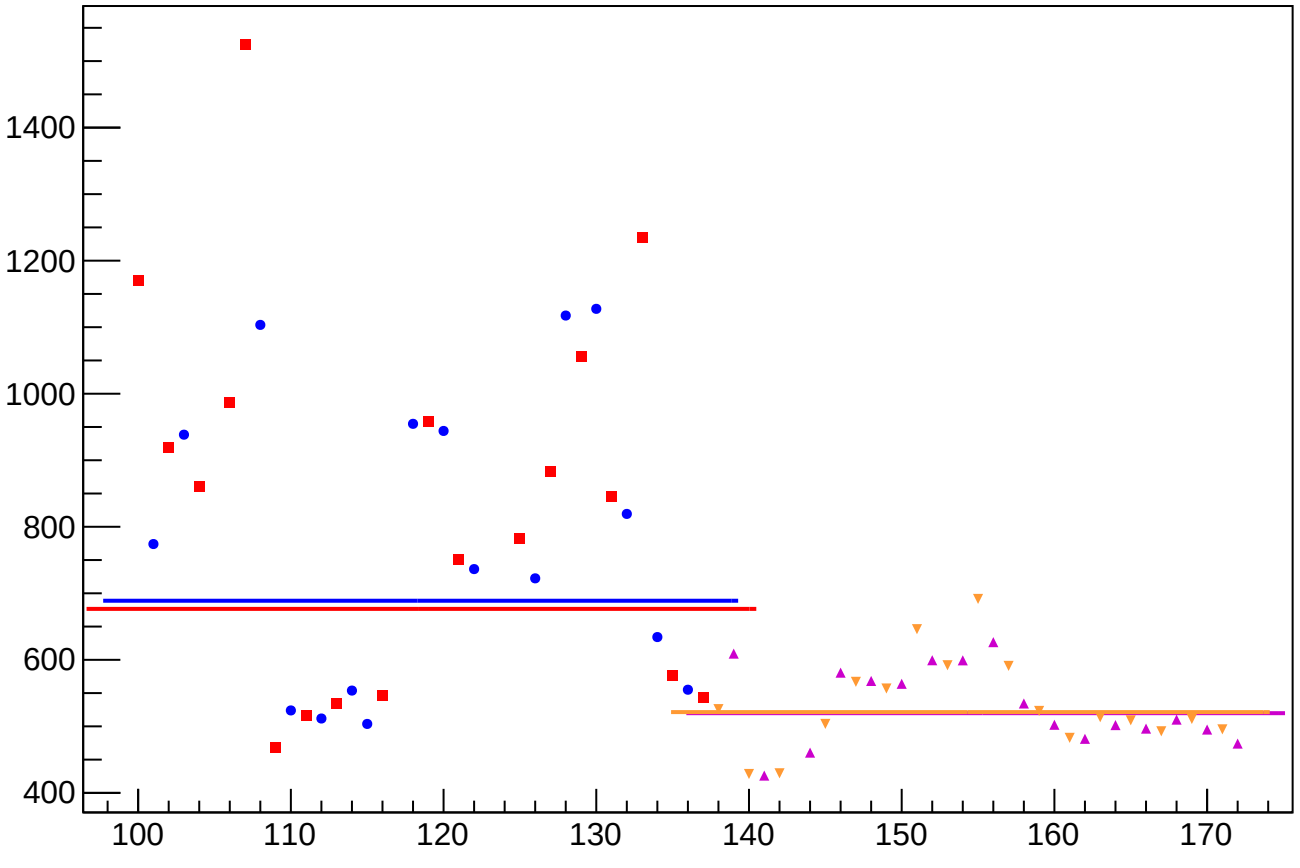
Left: -254.549+/-100.218 χ^2/NDF: 85.5/33

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

In: -17.289+/-123.923 χ^2/NDF:43.7/32

Out: -347.774+/-126.098 χ^2/NDF:81.1/34

All: -179.657+/-88.386 χ^2/NDF: 128.3/67



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

Left Out: 521.433+/-0.102 χ^2/NDF:368395.8/16

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

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

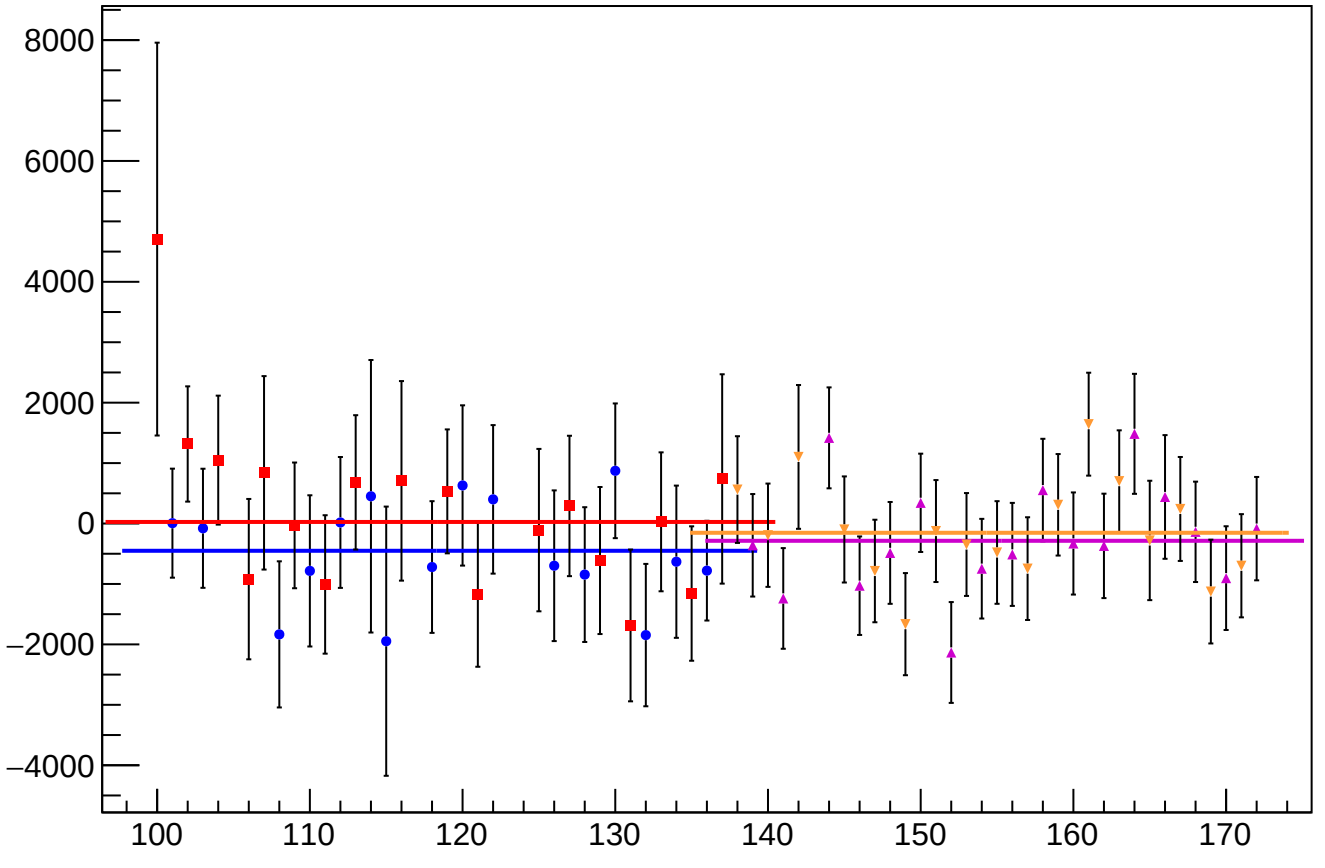
Left: 520.600+/-0.071 χ^2/NDF: 708473.1/33

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

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

Out: 557.015+/-0.089 χ^2/NDF:2211511.4/34

All: 556.598+/-0.062 χ^2/NDF: 4208133.0/67



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

Left Out: -153.040+/-211.688 χ^2/NDF:13.9/16

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

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

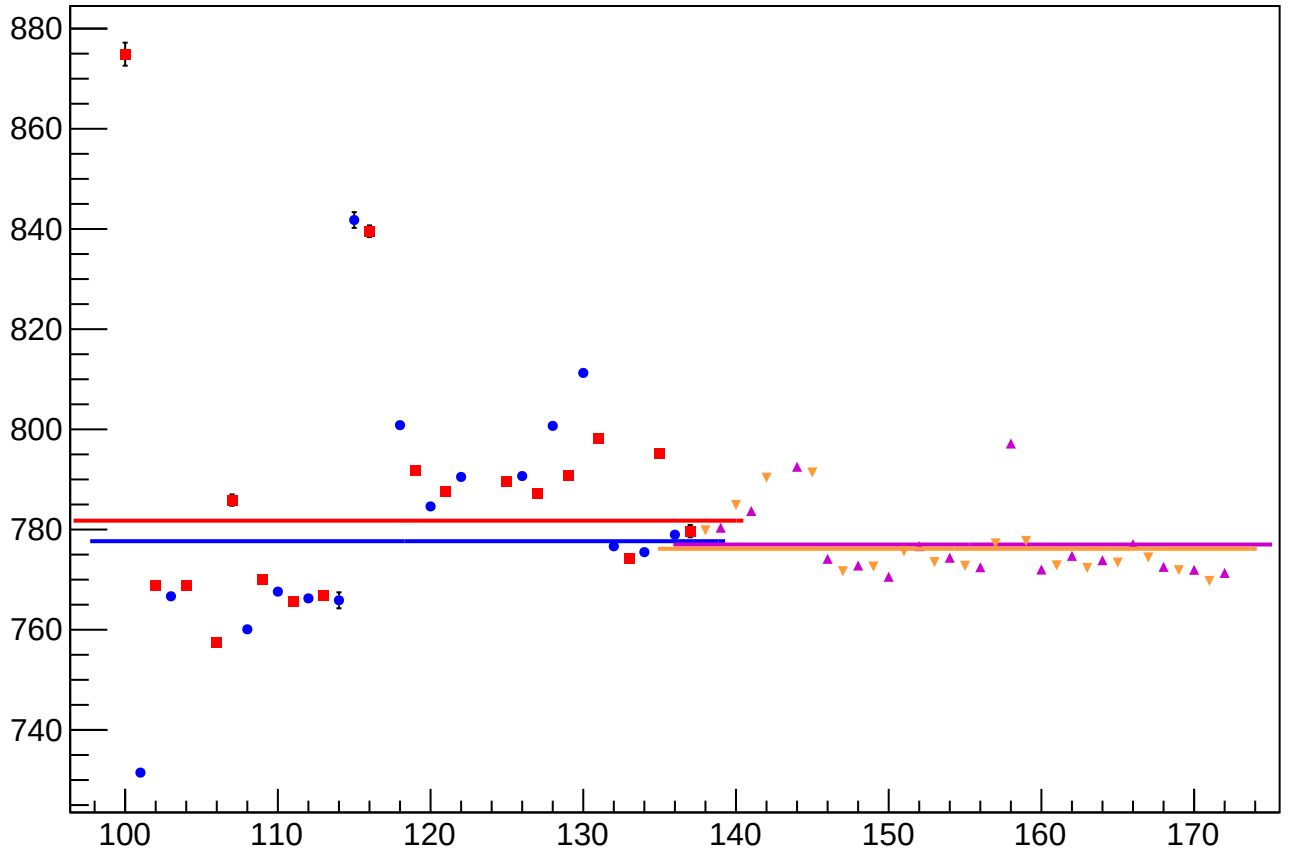
Left: -220.770+/-148.151 χ^2/NDF: 31.7/33

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

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

Out: -90.227+/-170.585 χ^2/NDF:25.9/34

All: -217.641+/-119.877 χ^2/NDF: 51.6/67



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

Left Out: 776.163+/-0.150 χ^2/NDF:1541.3/16

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

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

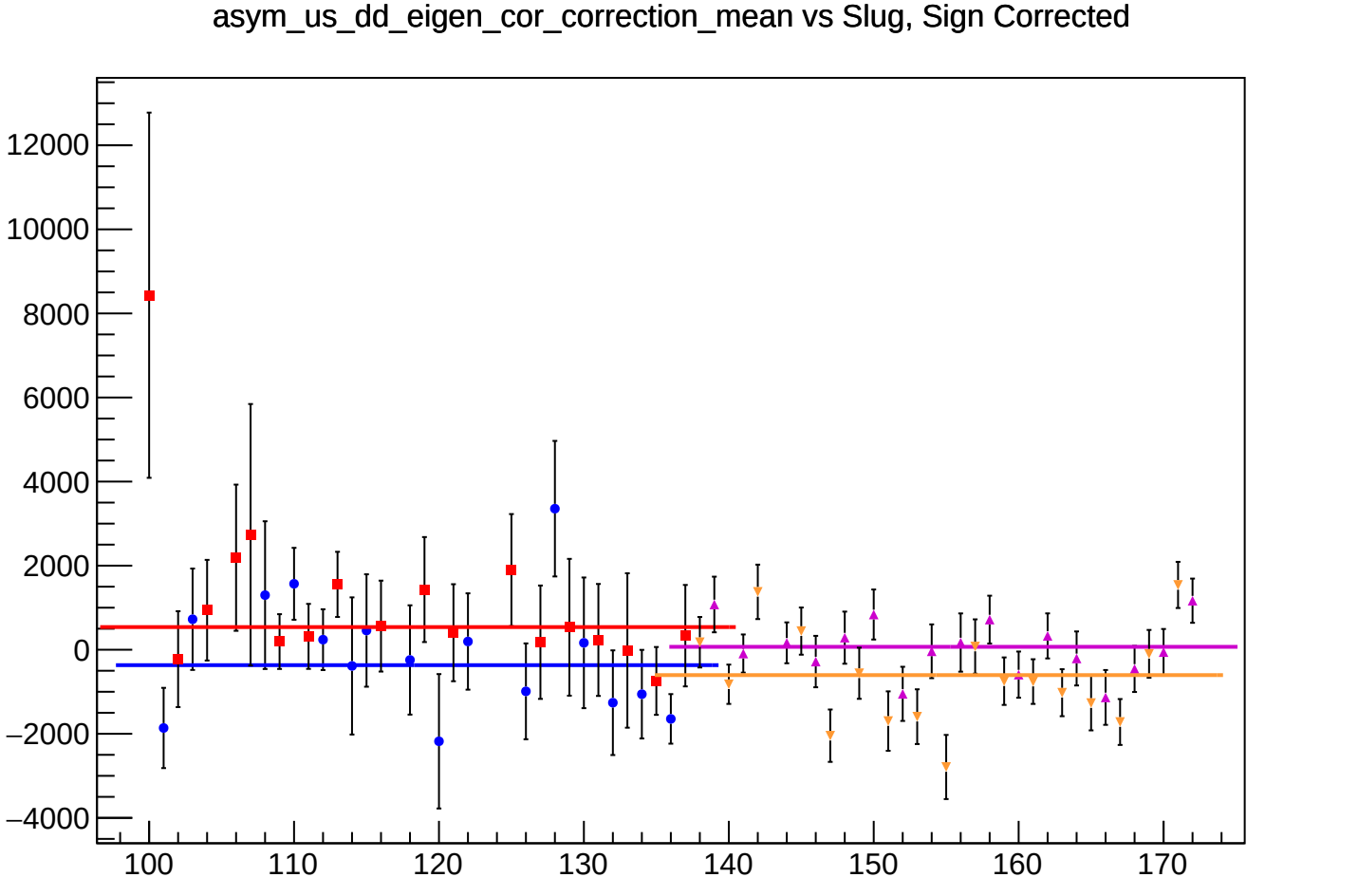
Left: 776.596+/-0.105 χ^2/NDF: 4132.2/33

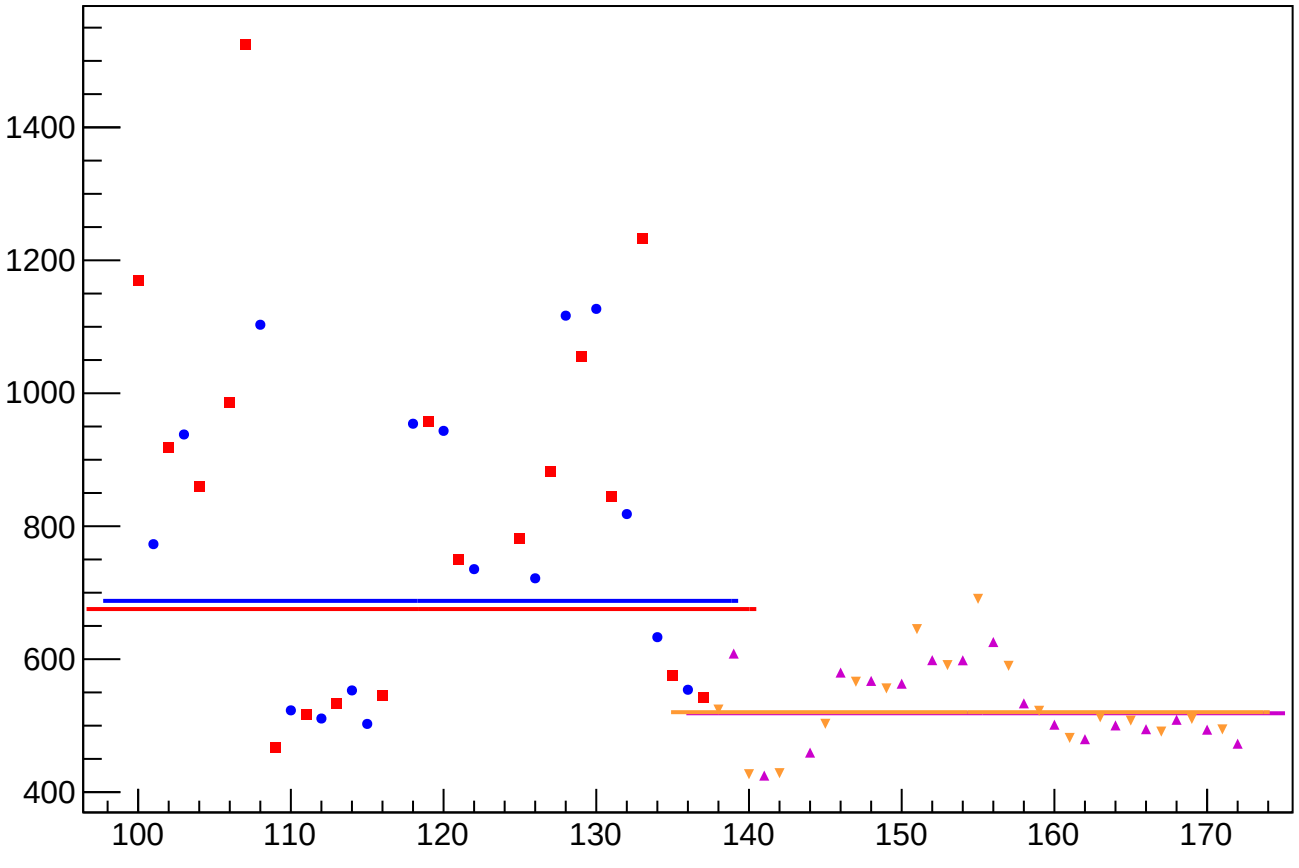
Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

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

Out: 778.132+/-0.121 χ^2/NDF:9660.7/34

All: 777.679+/-0.085 χ^2/NDF: 24325.5/67


asym_us_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: -367.008+/-266.698 χ²/NDF: 23.3/15
Left Out: -603.821+/-143.331 χ²/NDF:56.1/16
Right Out: 538.887+/-262.907 χ²/NDF: 11.7/17
Left In: 69.006+/-139.590 χ²/NDF:19.6/16
Left: -258.514+/-100.002 χ²/NDF: 87.0/33
Right: 92.424+/-187.229 χ²/NDF: 40.8/33
In: -24.755+/-123.674 χ²/NDF:45.0/32
Out: -342.004+/-125.844 χ²/NDF:82.3/34
All: -180.621+/-88.208 χ²/NDF: 130.5/67



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

Left Out: 520.261+/-0.101 χ^2/NDF:371606.2/16

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

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

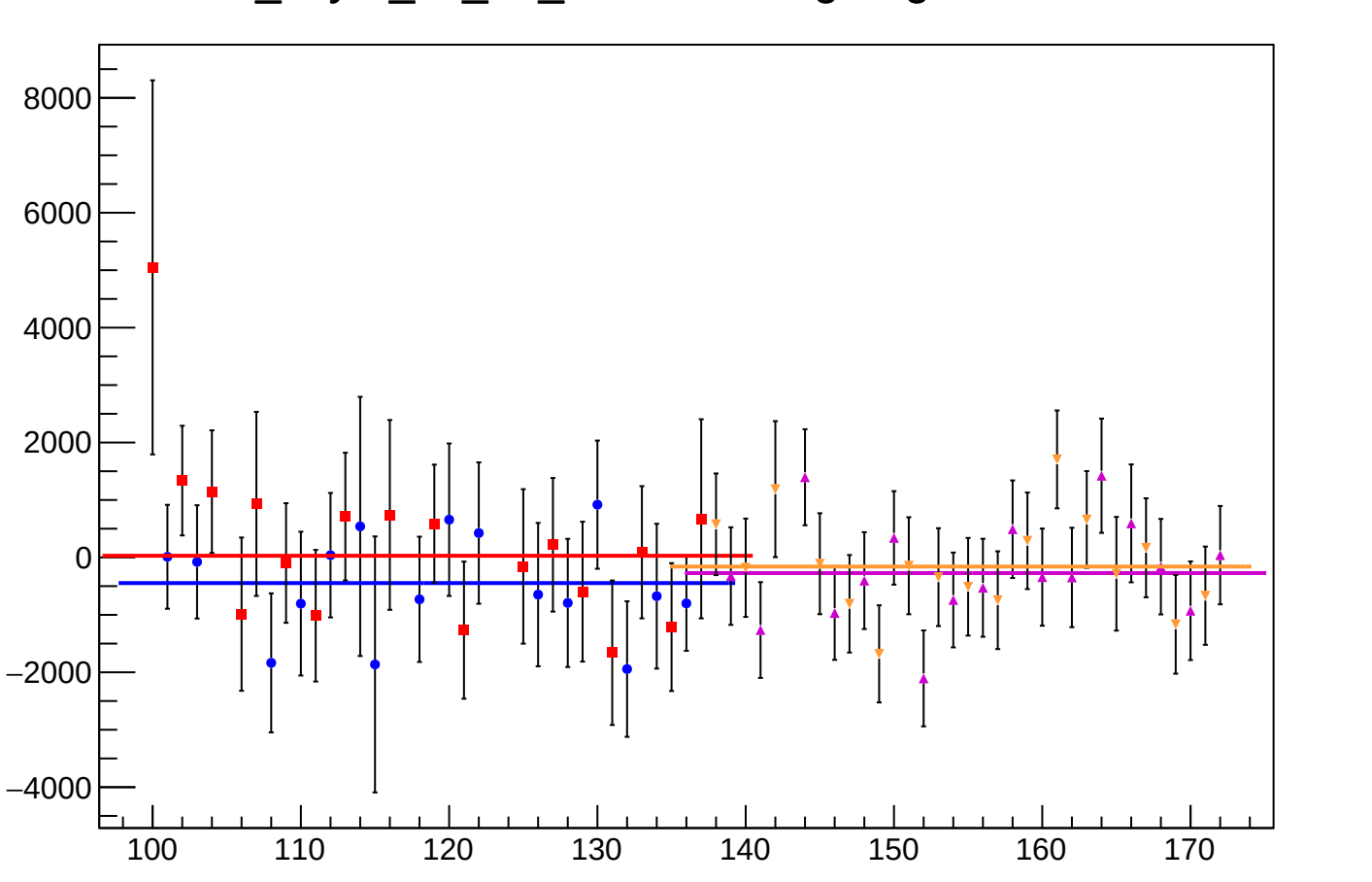
Left: 519.434+/-0.071 χ^2/NDF: 714824.8/33

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

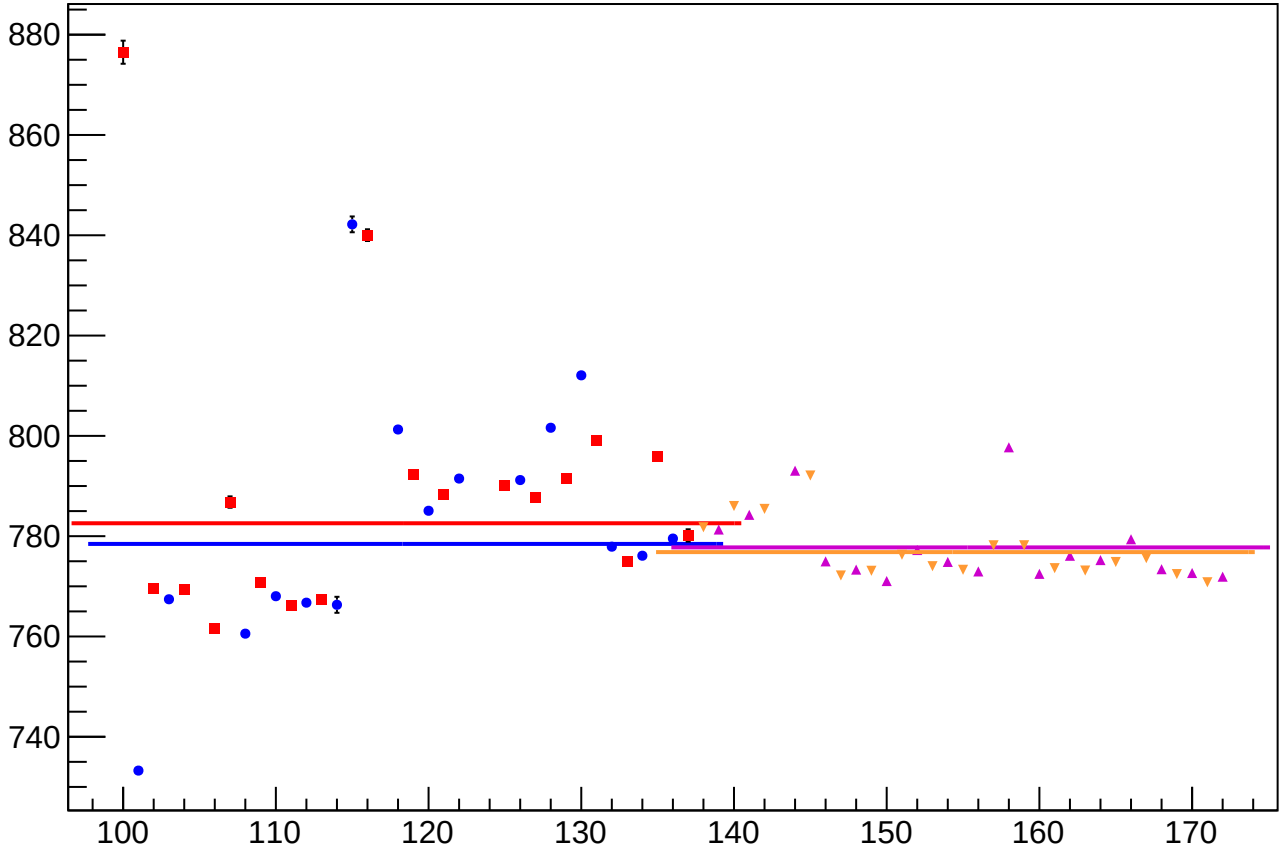
In: 555.006+/-0.087 χ^2/NDF:2005885.6/32

Out: 555.809+/-0.089 χ^2/NDF:2221528.1/34

All: 555.400+/-0.062 χ^2/NDF: 4227455.1/67


dit_asym_us_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: -446.659+/-289.238 χ²/NDF: 7.3/15
Left Out: -159.306+/-211.875 χ²/NDF:14.4/16
Right Out: 28.787+/-288.372 χ²/NDF: 12.6/17
Left In: -272.407+/-207.613 χ²/NDF:17.1/16
Left: -217.006+/-148.288 χ²/NDF: 31.7/33
Right: -208.223+/-204.216 χ²/NDF: 21.3/33
In: -331.658+/-168.661 χ²/NDF:24.7/32
Out: -93.365+/-170.744 χ²/NDF:27.3/34
All: -213.974+/-119.991 χ²/NDF: 52.9/67

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 776.825+/-0.150 χ^2/NDF:1399.3/16

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

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

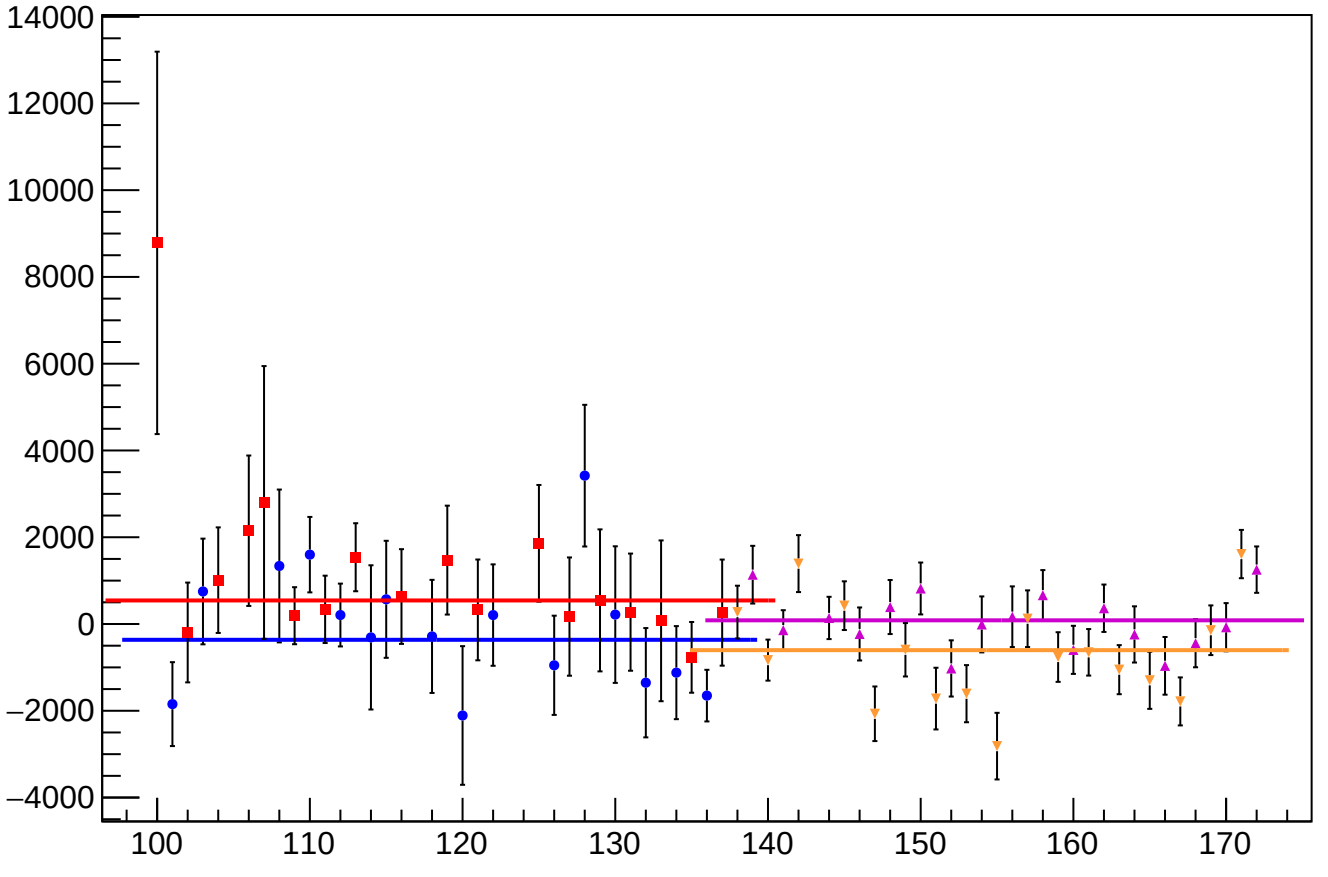
Left: 777.303+/-0.105 χ^2/NDF: 3975.0/33

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

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

Out: 778.841+/-0.121 χ^2/NDF:9397.1/34

All: 778.414+/-0.085 χ^2/NDF: 23780.3/67



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

Left Out: -602.923+/-144.829 χ^2/NDF:57.5/16

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

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

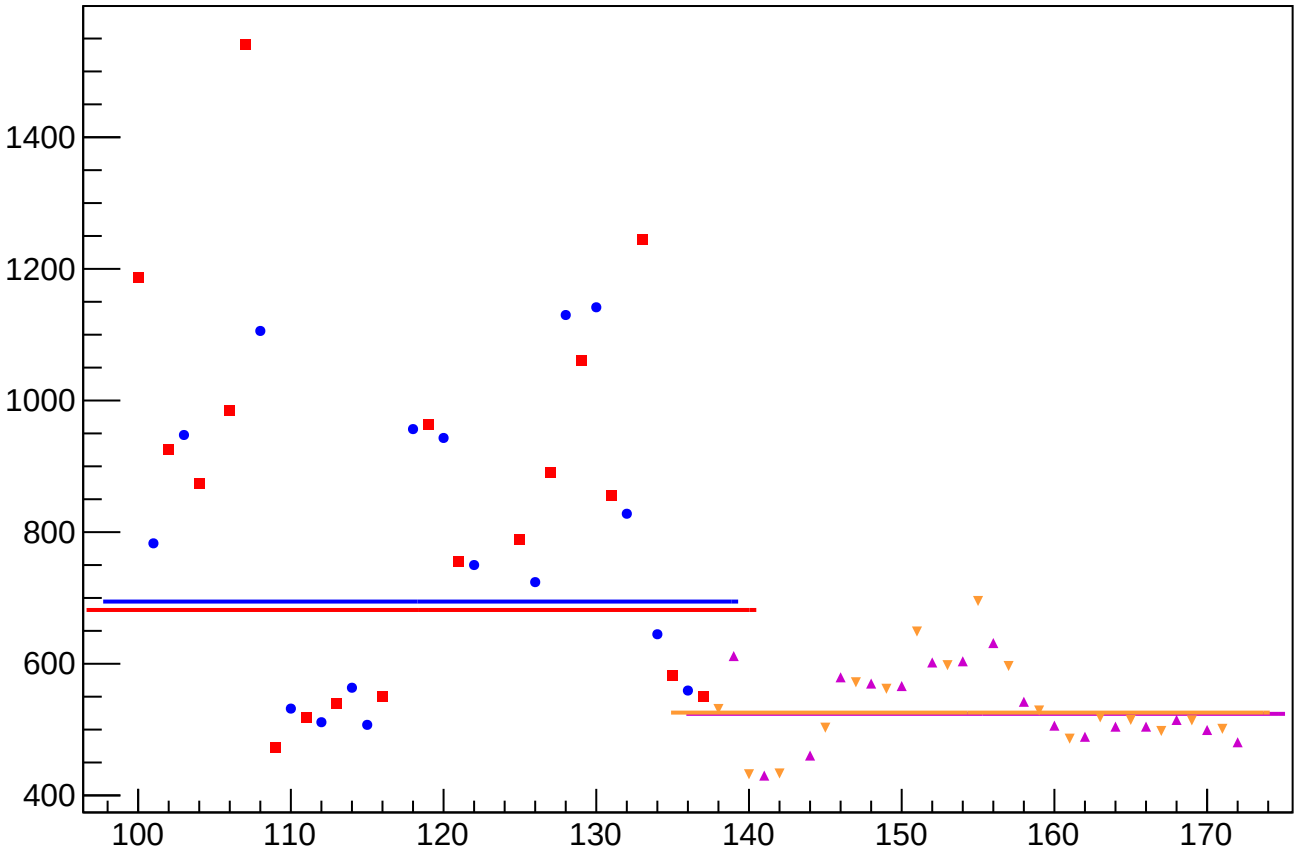
Left: -249.687+/-101.011 χ^2/NDF: 88.1/33

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

In: -11.625+/-124.882 χ^2/NDF:44.5/32

Out: -339.816+/-127.117 χ^2/NDF:83.7/34

All: -172.809+/-89.085 χ^2/NDF: 131.6/67



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

Left Out: 525.800+/-0.102 χ^2/NDF:366184.7/16

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

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

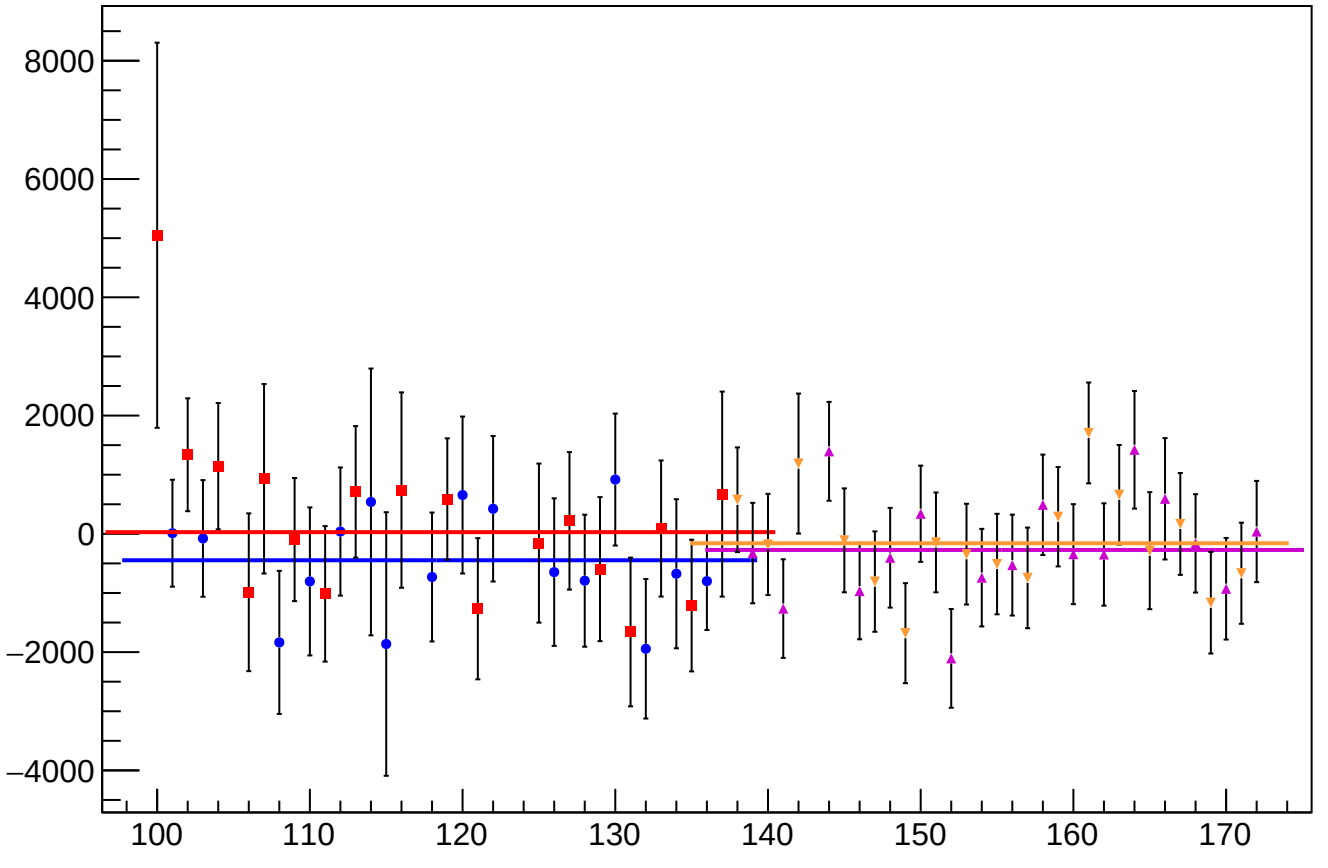
Left: 524.829+/-0.071 χ^2/NDF: 696195.8/33

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

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

Out: 561.609+/-0.090 χ^2/NDF:2209958.3/34

All: 561.093+/-0.063 χ^2/NDF: 4199813.1/67



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

Left Out: -159.307+/-211.875 χ^2/NDF:14.4/16

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

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

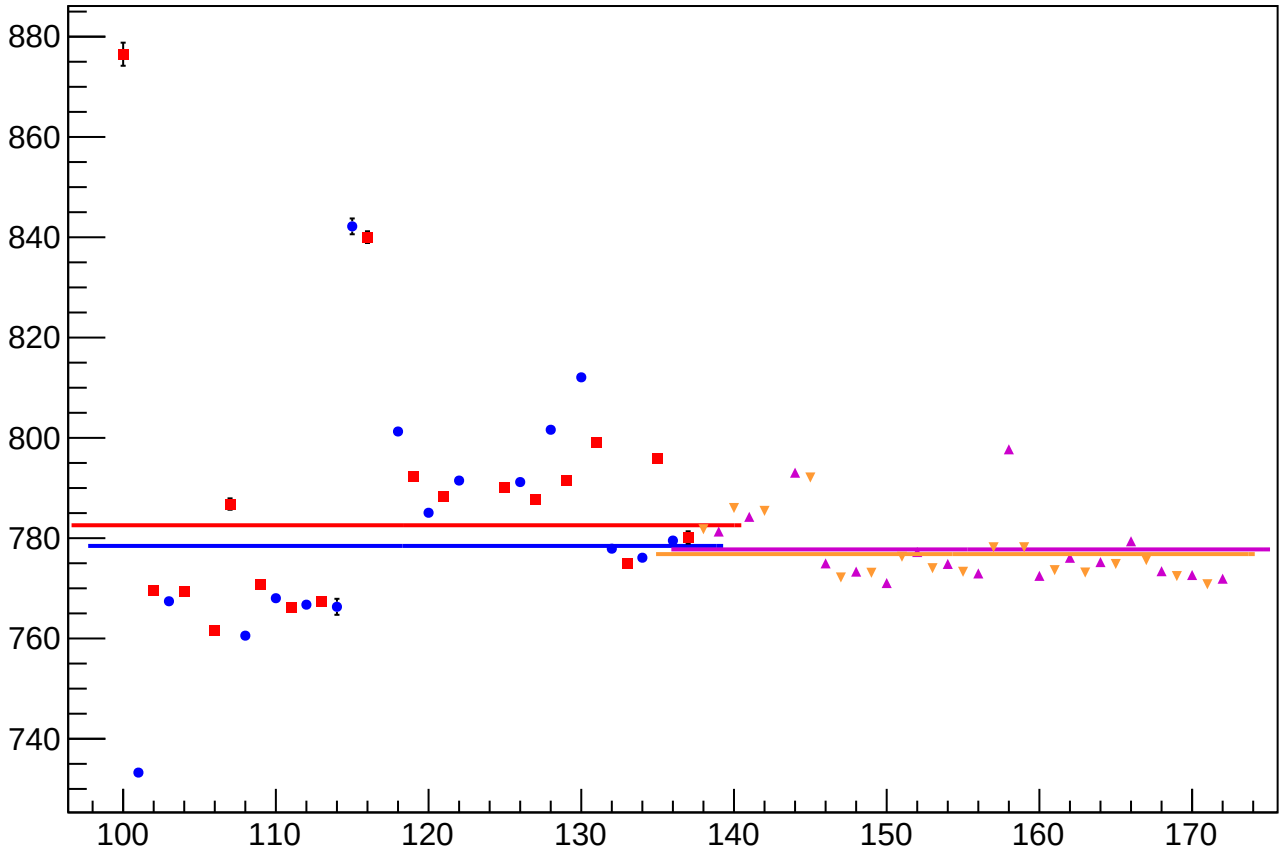
Left: -217.006+/-148.288 χ^2/NDF: 31.7/33

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

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

Out: -93.367+/-170.744 χ^2/NDF:27.3/34

All: -213.974+/-119.991 χ^2/NDF: 52.9/67



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

Left Out: 776.825+/-0.150 χ^2/NDF:1399.3/16

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

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

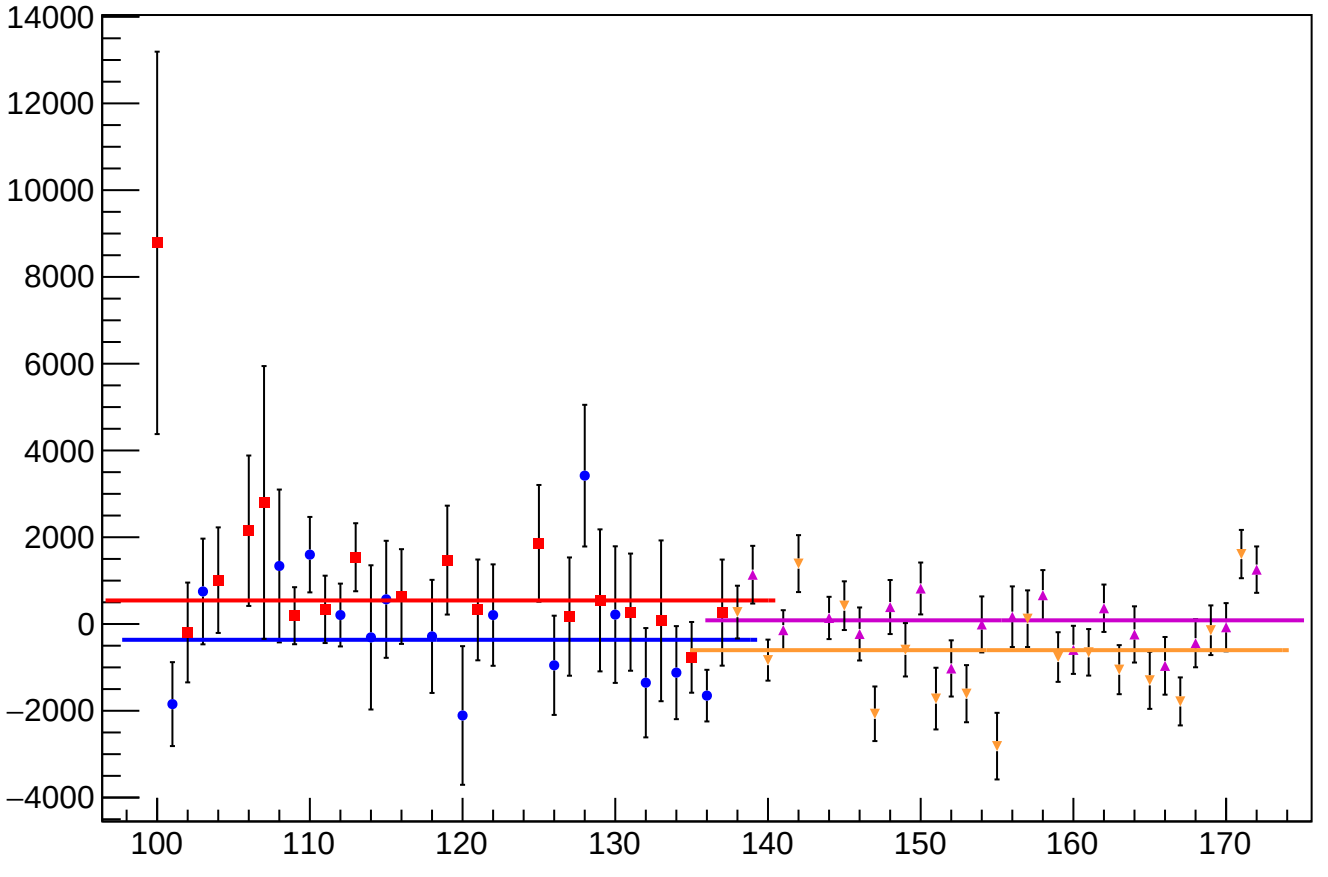
Left: 777.303+/-0.105 χ^2/NDF: 3975.0/33

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

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

Out: 778.841+/-0.121 χ^2/NDF:9397.1/34

All: 778.414+/-0.085 χ^2/NDF: 23780.3/67



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

Left Out: -602.923+/-144.829 χ^2/NDF:57.5/16

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

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

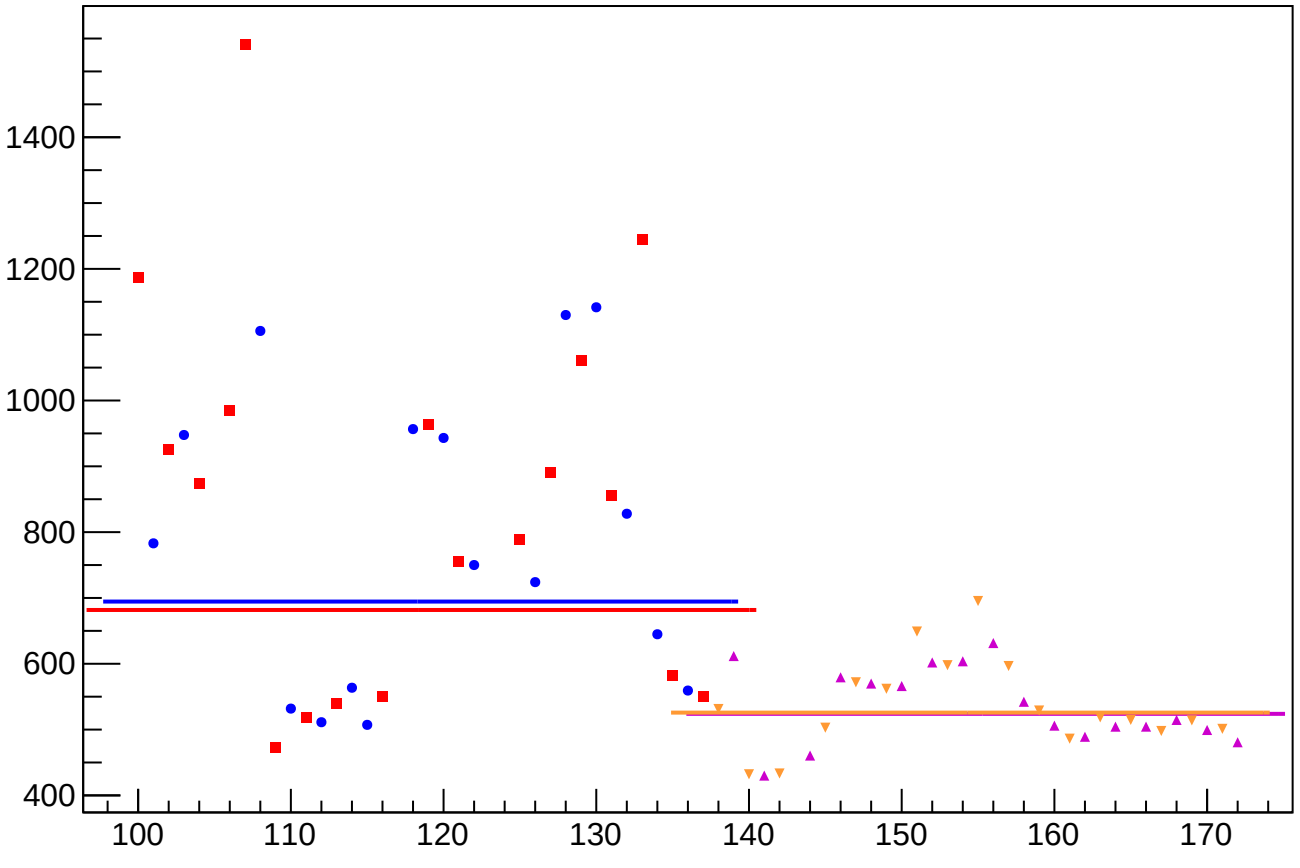
Left: -249.688+/-101.011 χ^2/NDF: 88.1/33

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

In: -11.626+/-124.882 χ^2/NDF:44.5/32

Out: -339.814+/-127.117 χ^2/NDF:83.7/34

All: -172.809+/-89.085 χ^2/NDF: 131.6/67



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

Left Out: 525.800+/-0.102 χ^2/NDF:366197.1/16

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: 524.829+/-0.071 χ^2/NDF: 696220.1/33

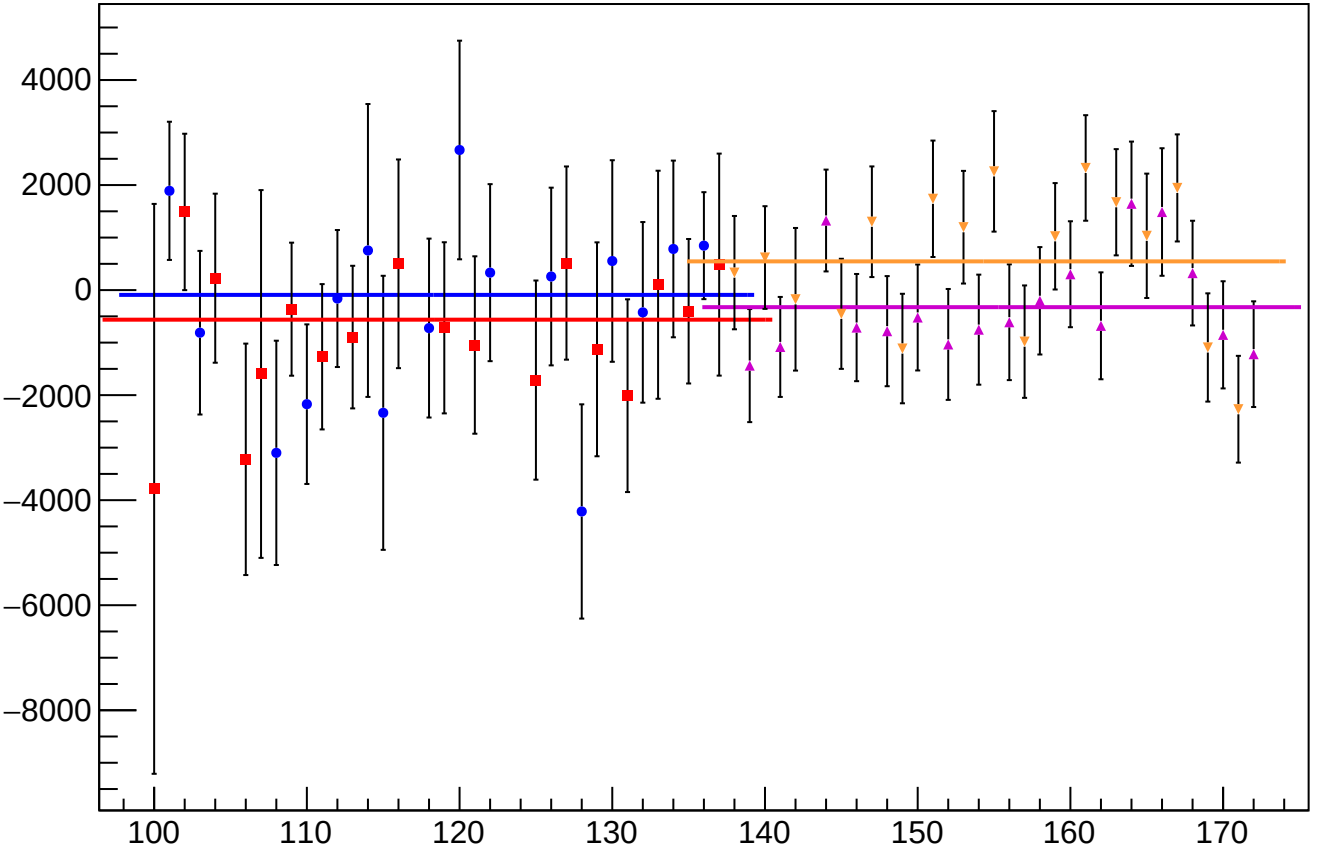
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

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

Out: 561.608+/-0.090 χ^2/NDF:2209971.2/34

All: 561.092+/-0.063 χ^2/NDF: 4199827.0/67

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 546.832+/-258.020 χ^2/NDF:26.9/16

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: 100.420+/-180.231 χ^2/NDF: 45.4/33

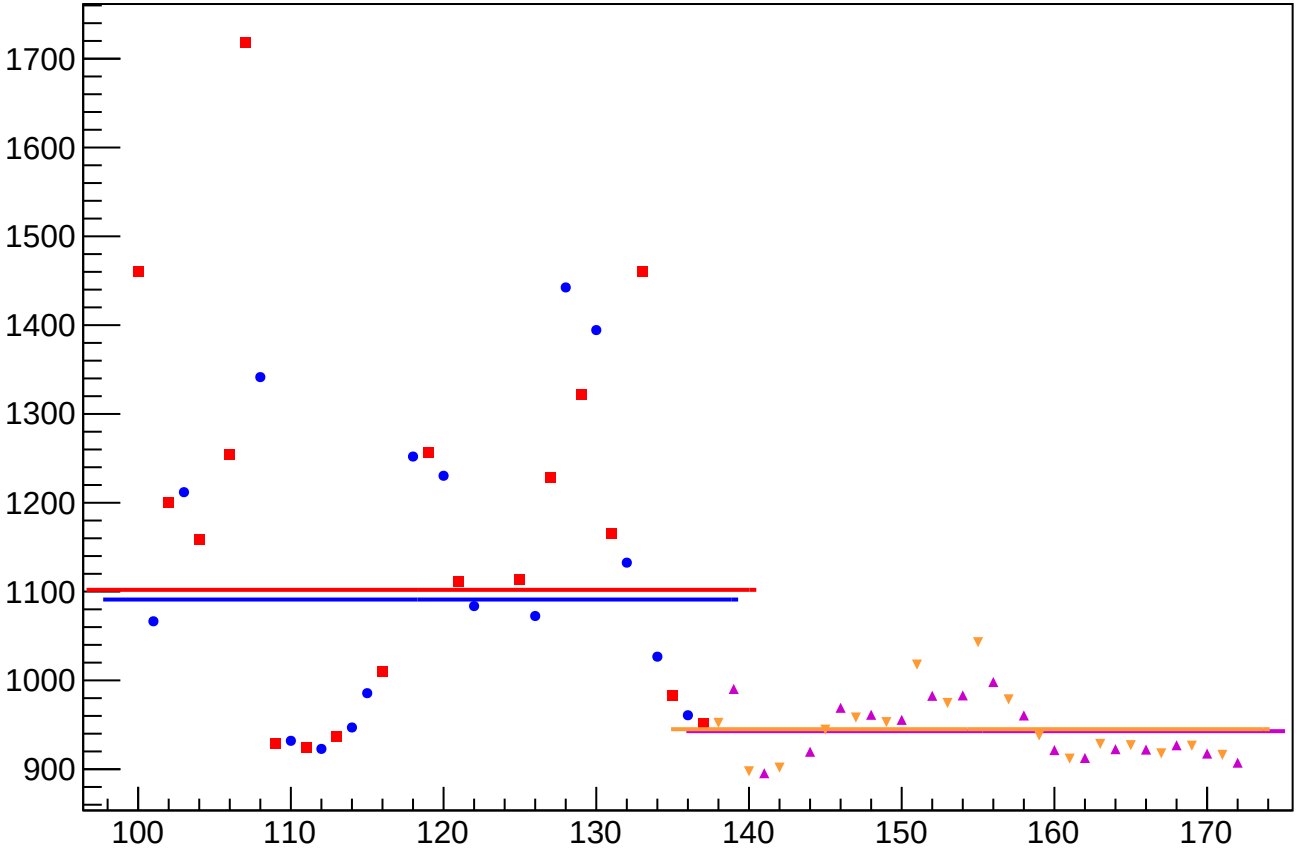
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

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

Out: 233.619+/-218.611 χ^2/NDF:38.7/34

All: -18.230+/-153.143 χ^2/NDF: 68.7/67

asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 945.035+/-0.182 χ^2/NDF:40885.9/16

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

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

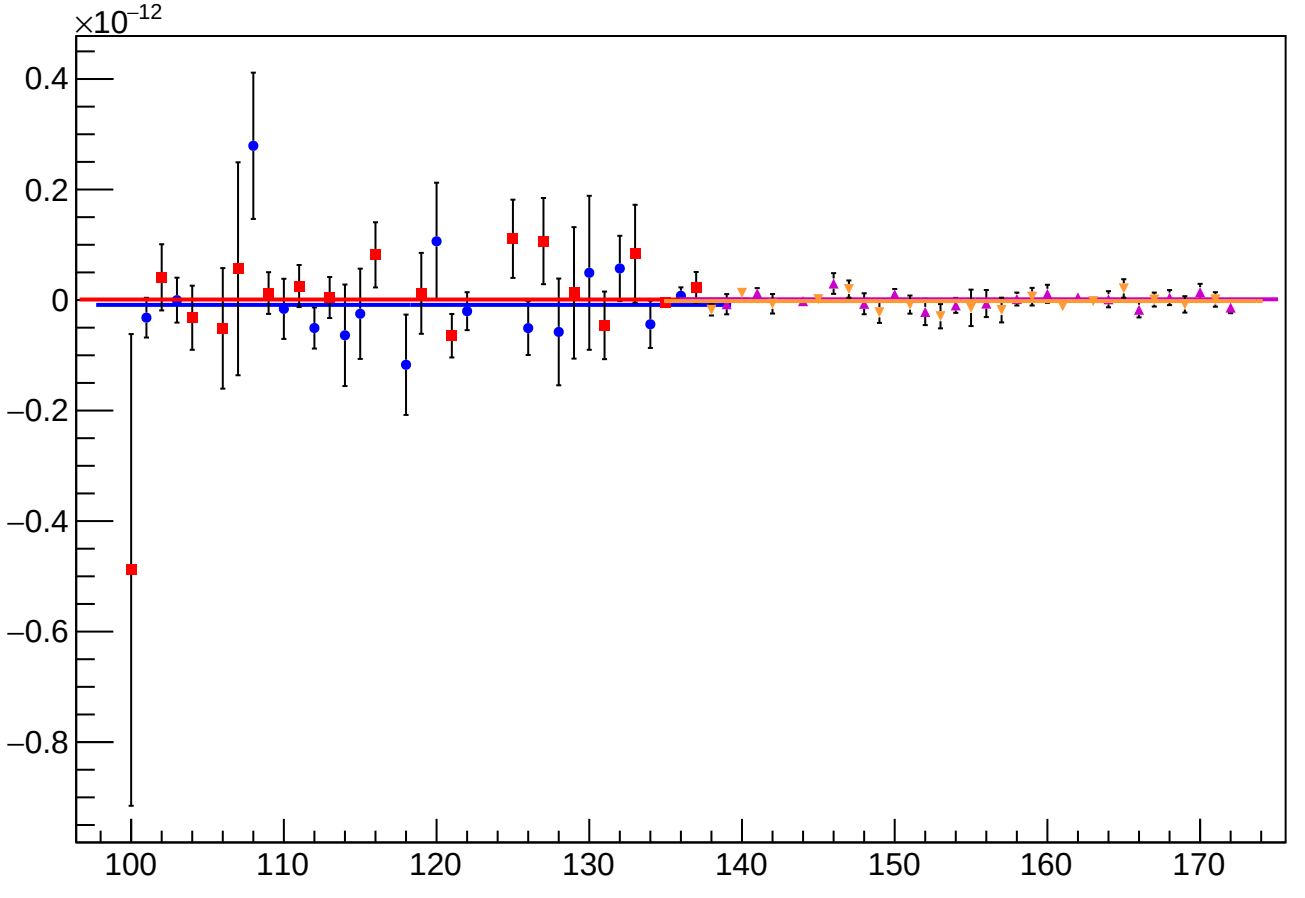
Left: 943.907+/-0.127 χ^2/NDF: 72702.2/33

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

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

Out: 989.308+/-0.155 χ^2/NDF:577700.6/34

All: 986.321+/-0.108 χ^2/NDF: 1077252.8/67



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

Left Out: -0.000+/-0.000 χ^2/NDF:15.6/16

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

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

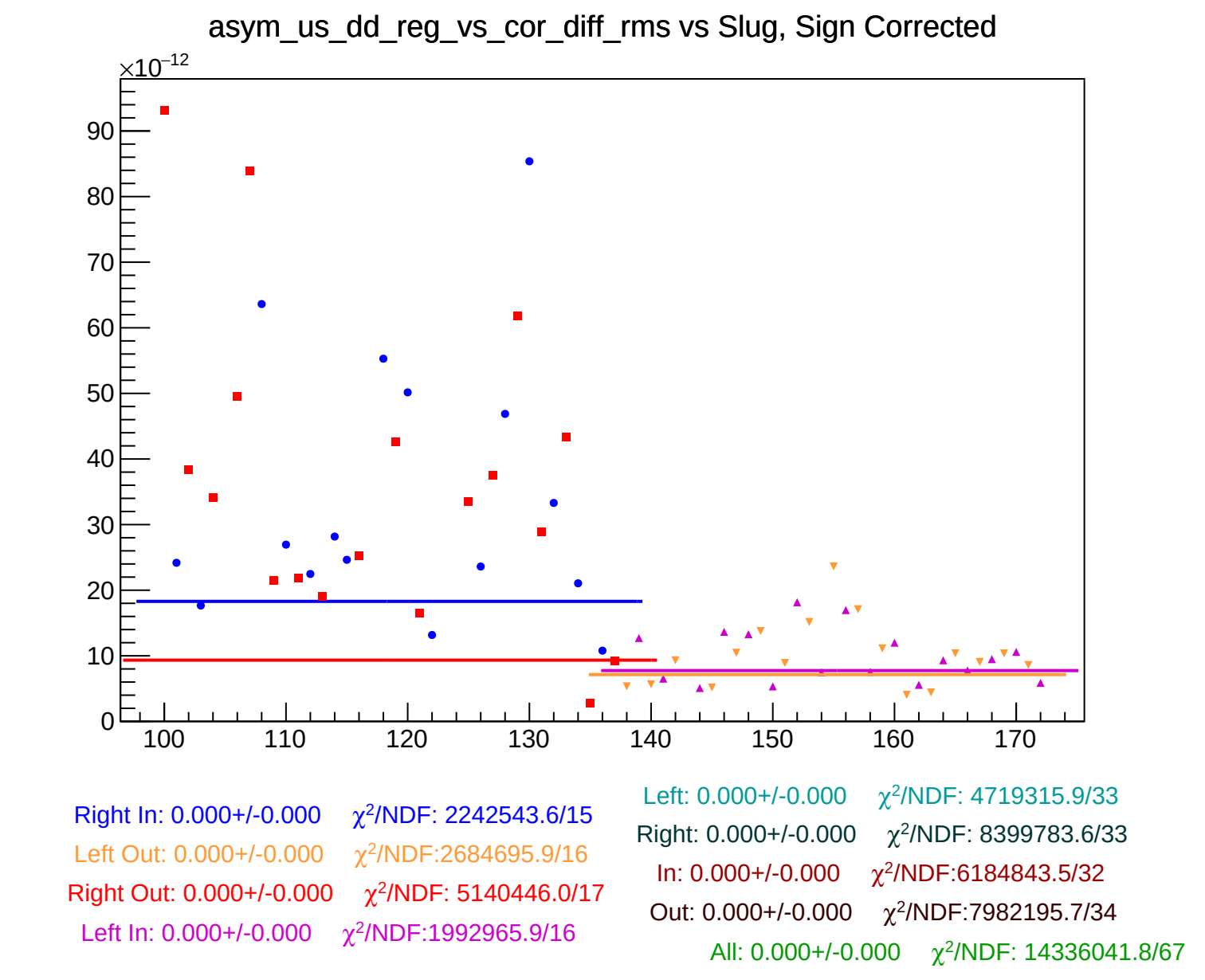
Left: -0.000+/-0.000 χ^2/NDF: 28.3/33

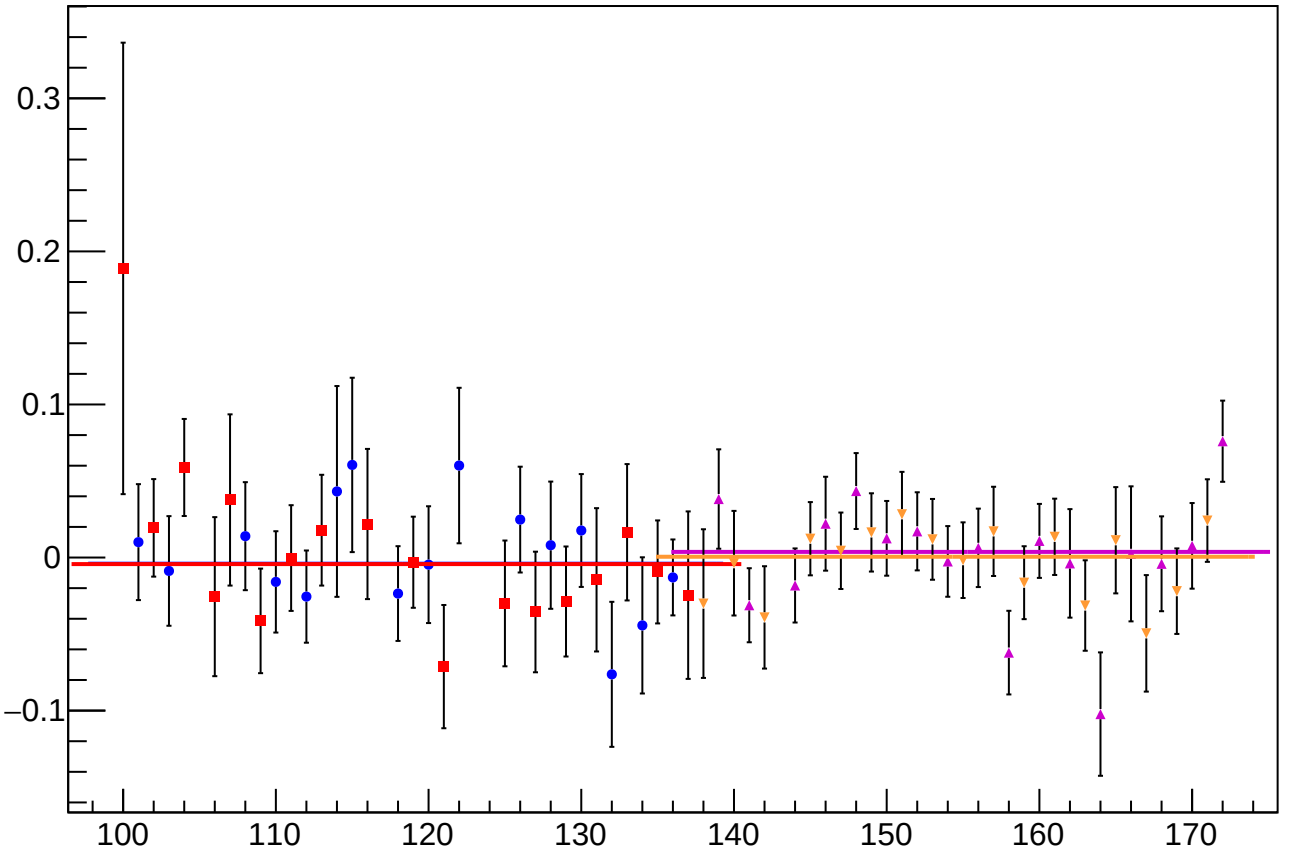
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: 0.000+/-0.000 χ^2/NDF:26.8/32

Out: -0.000+/-0.000 χ^2/NDF:30.1/34

All: -0.000+/-0.000 χ^2/NDF: 57.2/67


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:2684695.9/16
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: 4719315.9/33
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:7982195.7/34
All: 0.000+/-0.000 χ²/NDF: 14336041.8/67



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

Left Out: 0.001+/-0.007 χ^2/NDF:9.2/16

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

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

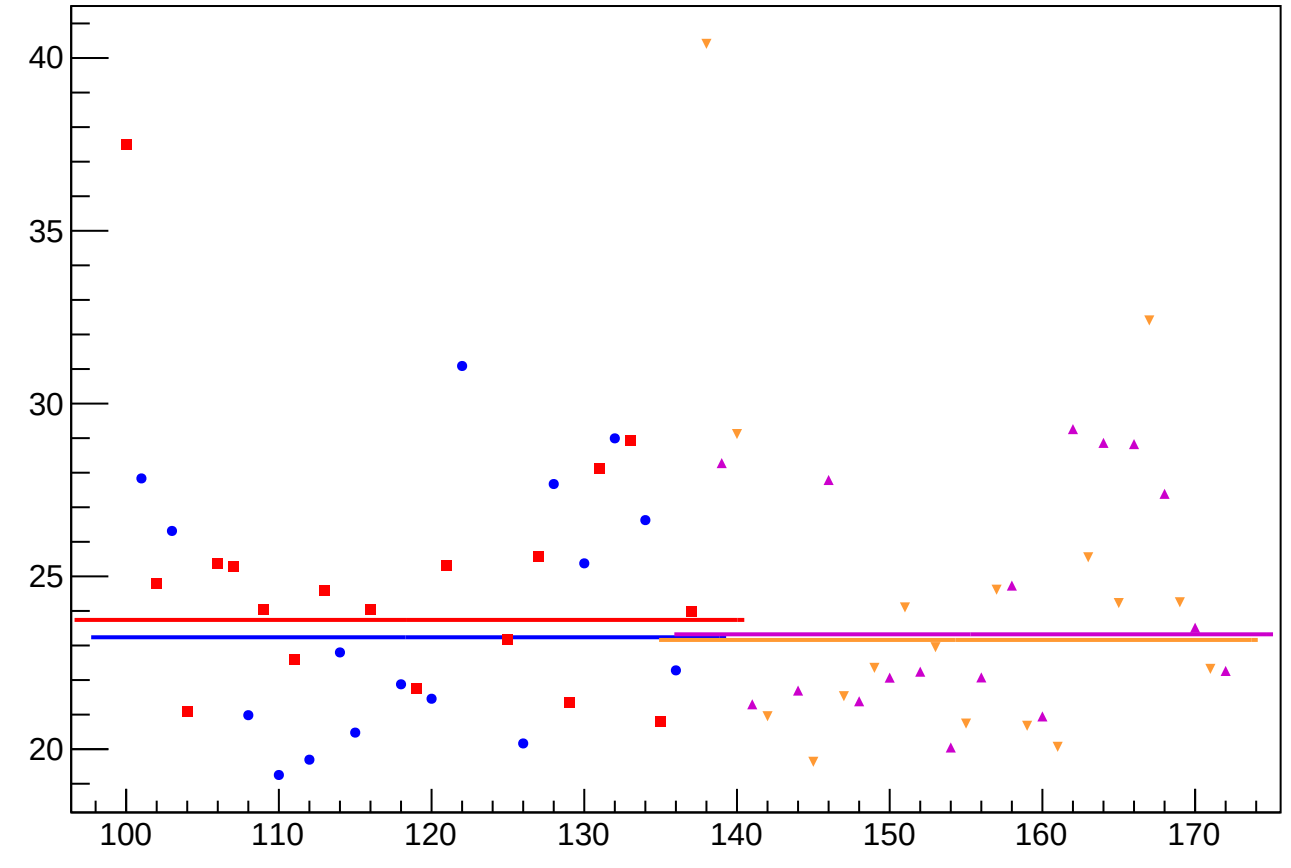
Left: 0.002+/-0.005 χ^2/NDF: 37.1/33

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

In: 0.001+/-0.005 χ^2/NDF:37.5/32

Out: -0.001+/-0.006 χ^2/NDF:22.8/34

All: -0.000+/-0.004 χ^2/NDF: 60.4/67



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

Left Out: 23.161+/-0.005 χ^2/NDF:592938.6/16

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

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

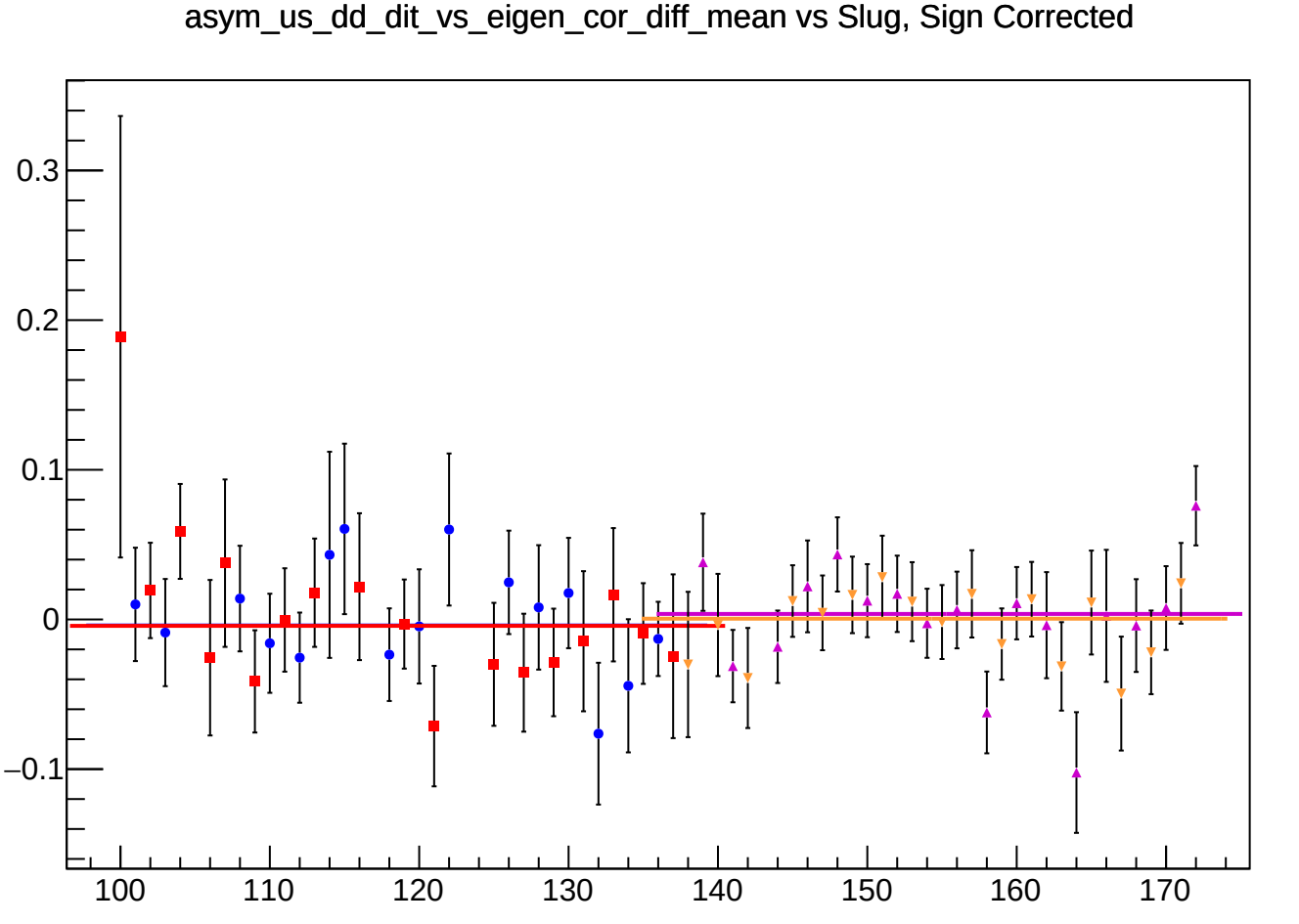
Left: 23.244+/-0.003 χ^2/NDF: 958942.5/33

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

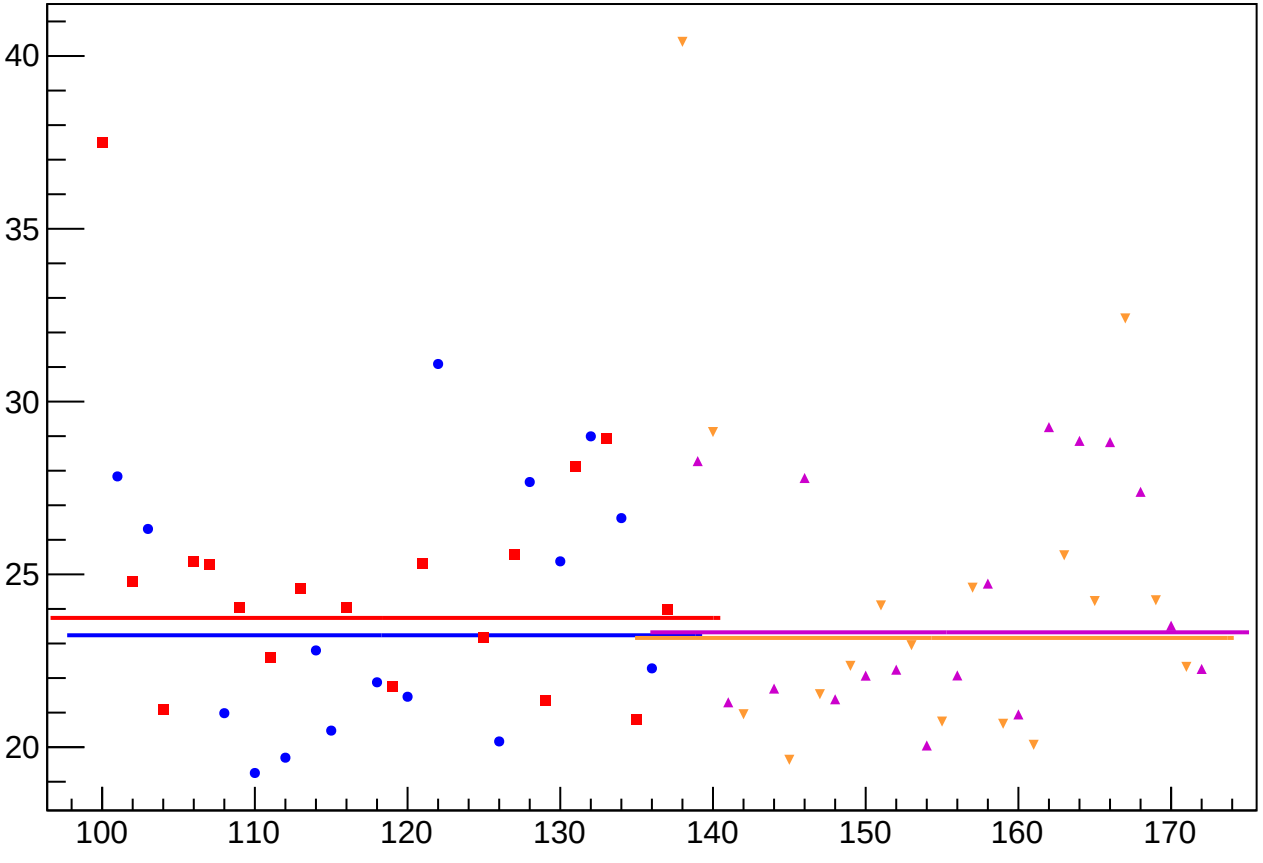
In: 23.294+/-0.004 χ^2/NDF:624772.8/32

Out: 23.364+/-0.004 χ^2/NDF:724145.0/34

All: 23.329+/-0.003 χ^2/NDF: 1349081.3/67


asym_us_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
100
110
120
130
140
150
160
170
Right In: -0.004+/-0.009 χ²/NDF: 9.2/15
Left Out: 0.001+/-0.007 χ²/NDF:9.2/16
Right Out: -0.004+/-0.009 χ²/NDF: 13.5/17
Left In: 0.004+/-0.007 χ²/NDF:27.8/16
Left: 0.002+/-0.005 χ²/NDF: 37.1/33
Right: -0.004+/-0.007 χ²/NDF: 22.7/33
In: 0.001+/-0.005 χ²/NDF:37.5/32
Out: -0.001+/-0.006 χ²/NDF:22.8/34
All: -0.000+/-0.004 χ²/NDF: 60.4/67

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 23.161+/-0.005 χ^2/NDF:592938.6/16

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

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

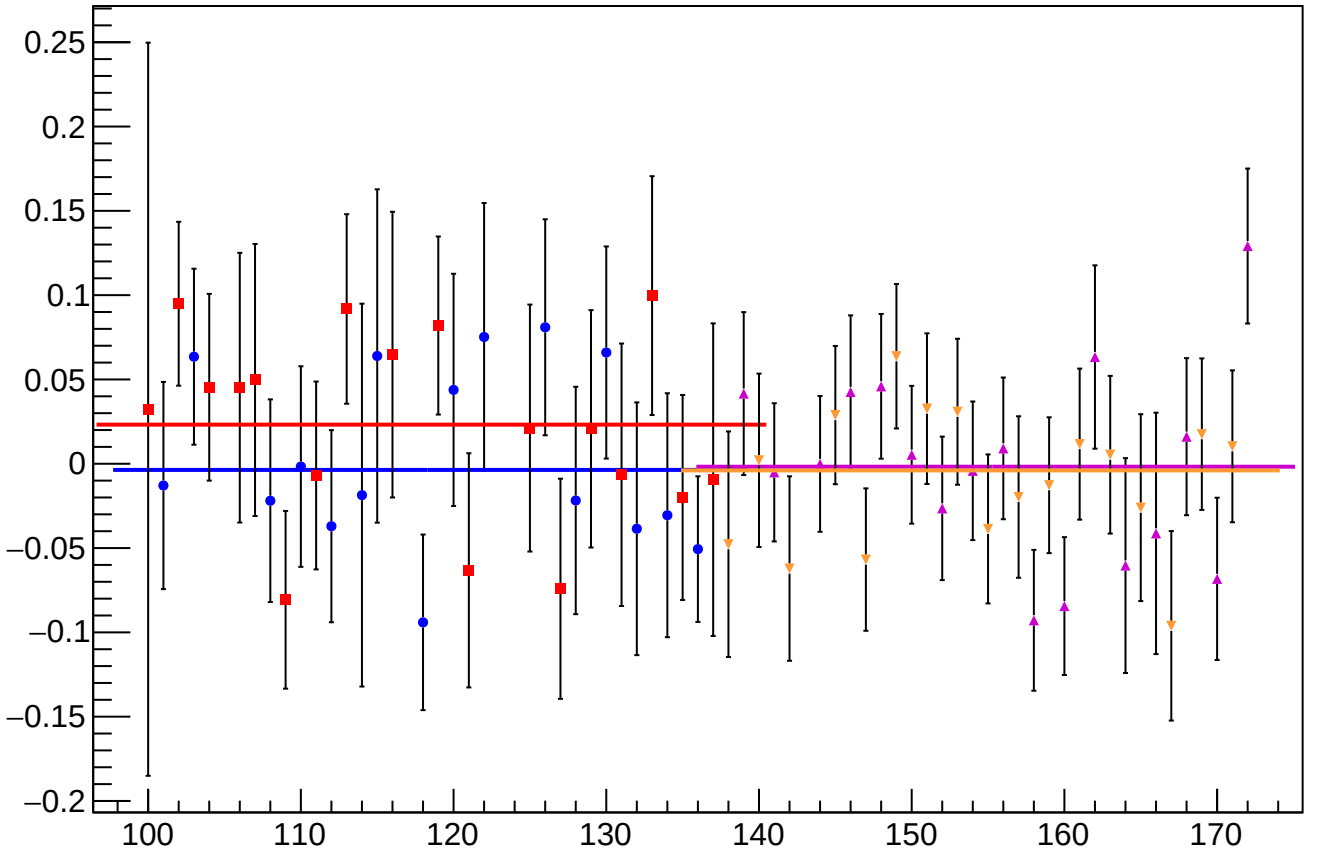
Left: 23.244+/-0.003 χ^2/NDF: 958942.5/33

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

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

Out: 23.364+/-0.004 χ^2/NDF:724145.0/34

All: 23.329+/-0.003 χ^2/NDF: 1349081.3/67



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

Left Out: -0.004+/-0.011 χ^2/NDF:11.7/16

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: -0.003+/-0.008 χ^2/NDF: 36.8/33

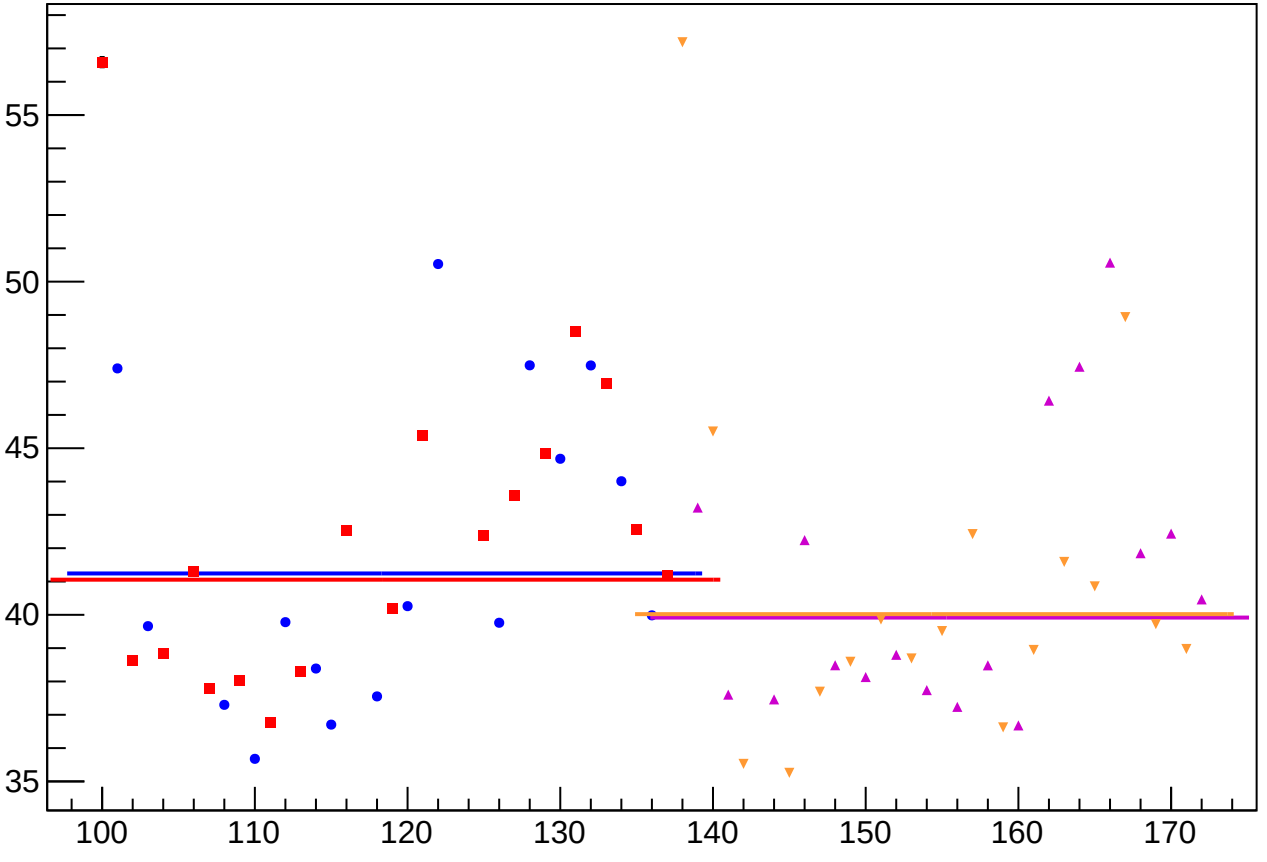
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.002+/-0.009 χ^2/NDF:36.7/32

Out: 0.005+/-0.009 χ^2/NDF:29.1/34

All: 0.001+/-0.006 χ^2/NDF: 66.2/67

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 40.020+/-0.008 χ^2/NDF:279970.5/16

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

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

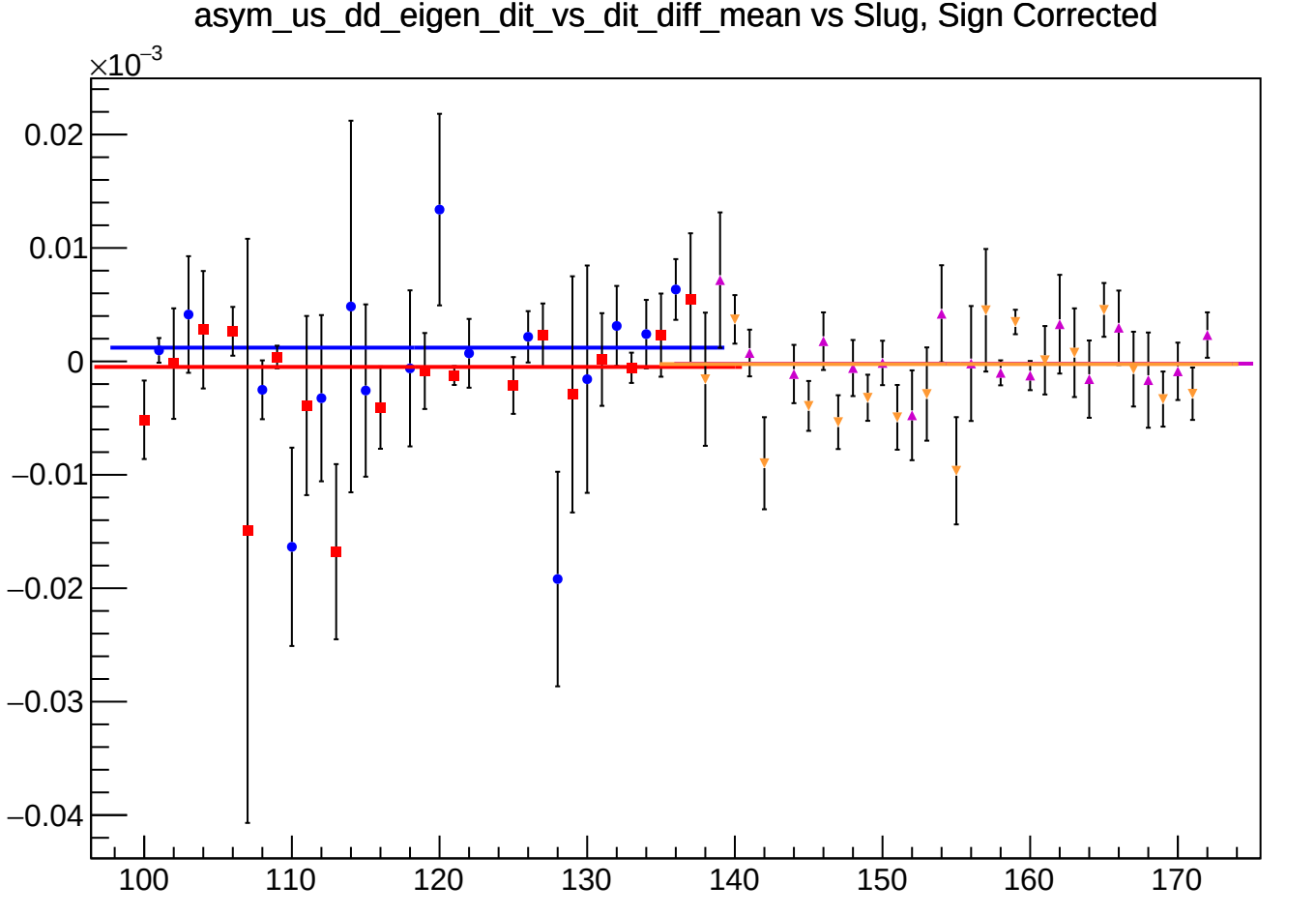
Left: 39.968+/-0.006 χ^2/NDF: 454621.3/33

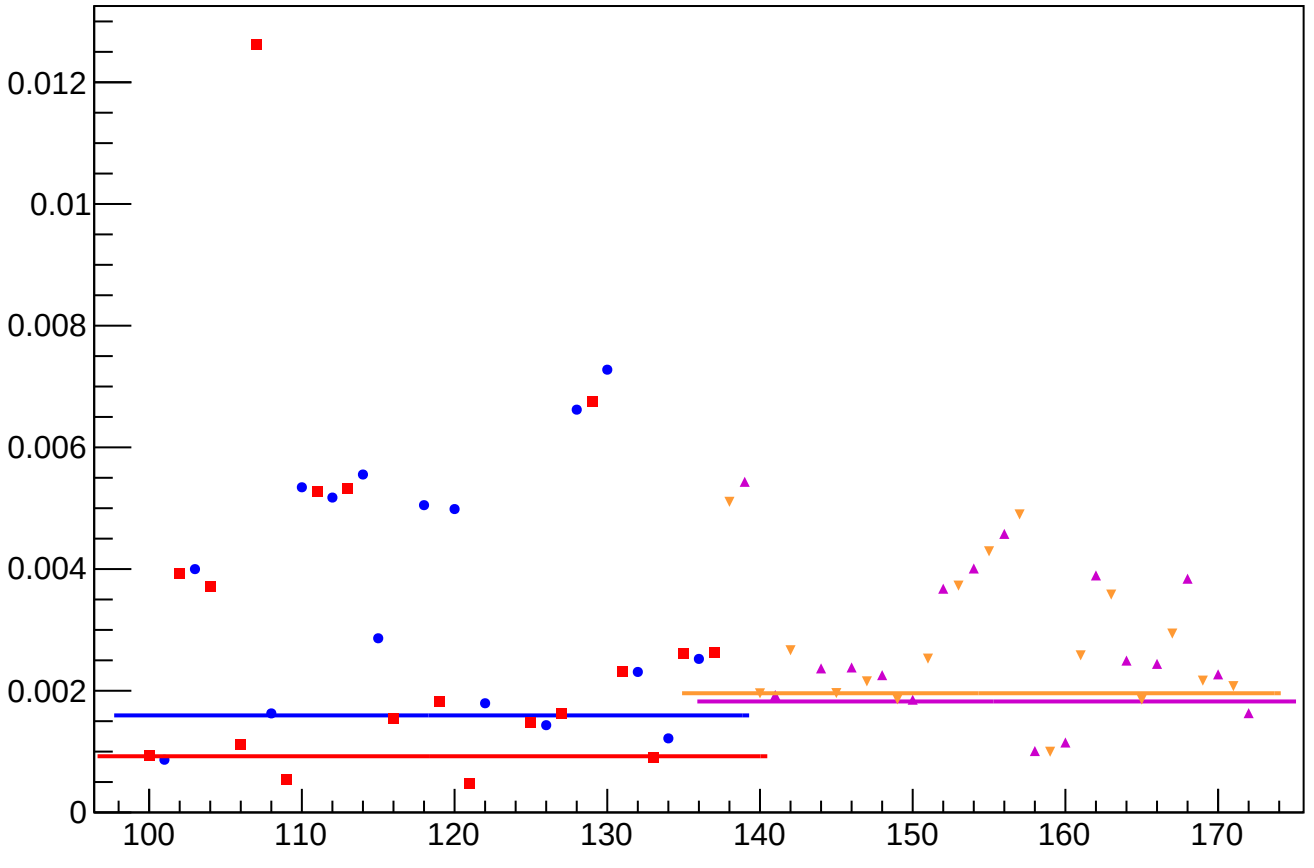
Right: 41.147+/-0.008 χ^2/NDF: 231982.7/33

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

Out: 40.379+/-0.006 χ^2/NDF:382340.3/34

All: 40.365+/-0.005 χ^2/NDF: 701719.4/67


asym_us_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 18.3/15
Left Out: -0.000+/-0.000 χ²/NDF:44.4/16
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/17
Left In: -0.000+/-0.000 χ²/NDF:9.6/16
Left: -0.000+/-0.000 χ²/NDF: 54.0/33
Right: 0.000+/-0.000 χ²/NDF: 36.9/33
In: 0.000+/-0.000 χ²/NDF:30.2/32
Out: -0.000+/-0.000 χ²/NDF:59.5/34
All: -0.000+/-0.000 χ²/NDF: 91.1/67



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

Left Out: 0.002+/-0.000 χ^2/NDF:4400370.5/16

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

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

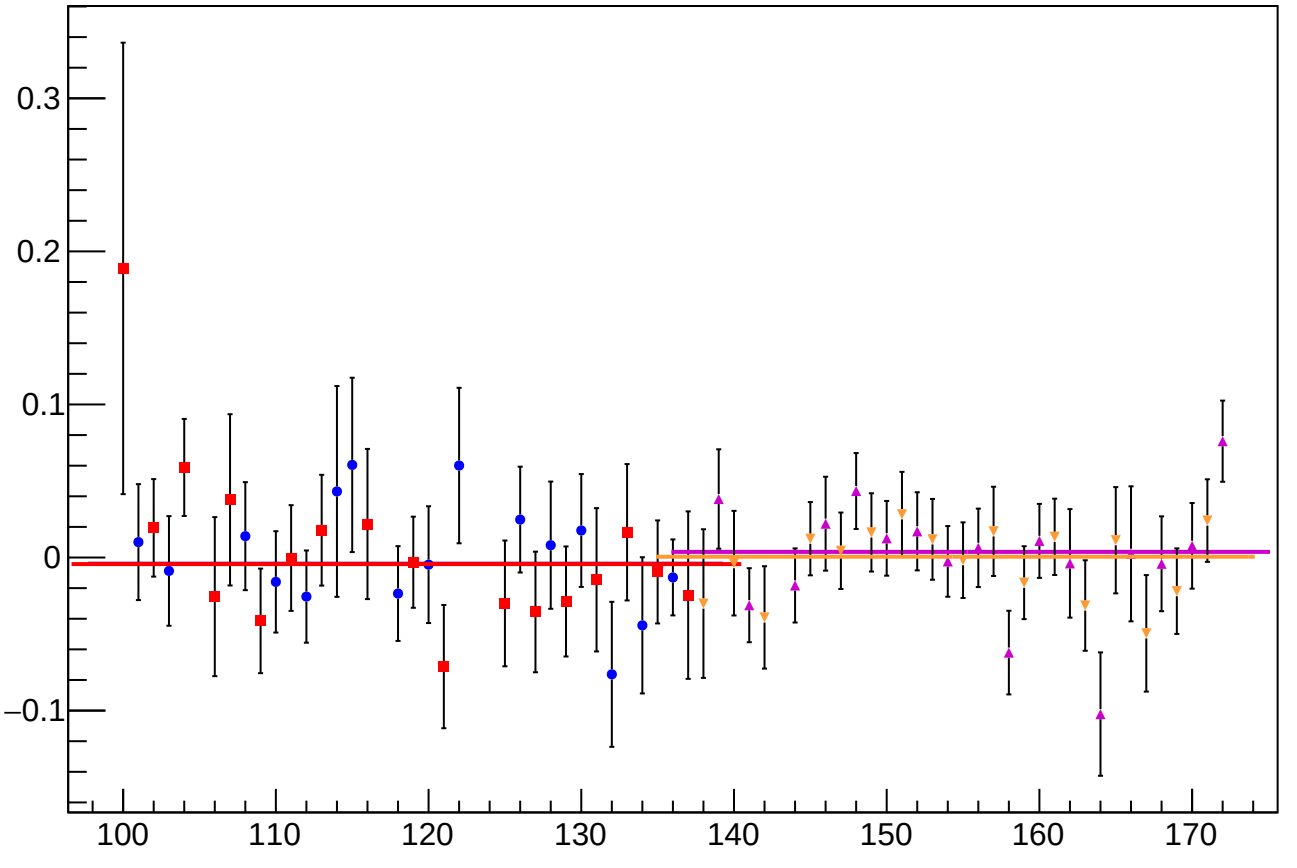
Left: 0.002+/-0.000 χ^2/NDF: 9781737.9/33

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:13772778.2/34

All: 0.002+/-0.000 χ^2/NDF: 24874943.6/67



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

Left Out: 0.001+/-0.007 χ^2/NDF:9.2/16

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

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

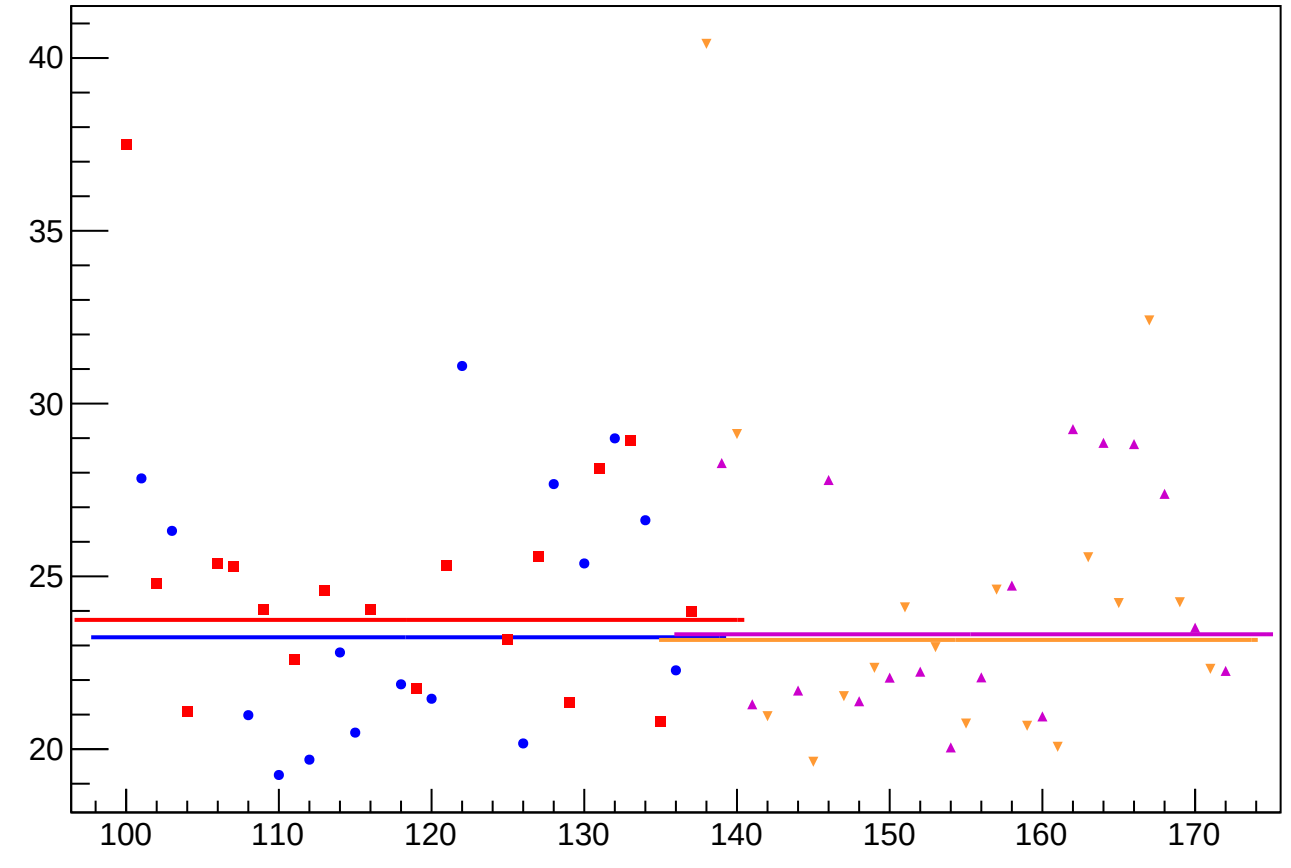
Left: 0.002+/-0.005 χ^2/NDF: 37.1/33

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

In: 0.001+/-0.005 χ^2/NDF:37.5/32

Out: -0.001+/-0.006 χ^2/NDF:22.8/34

All: -0.000+/-0.004 χ^2/NDF: 60.4/67



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

Left Out: 23.161+/-0.005 χ^2/NDF:592959.5/16

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

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

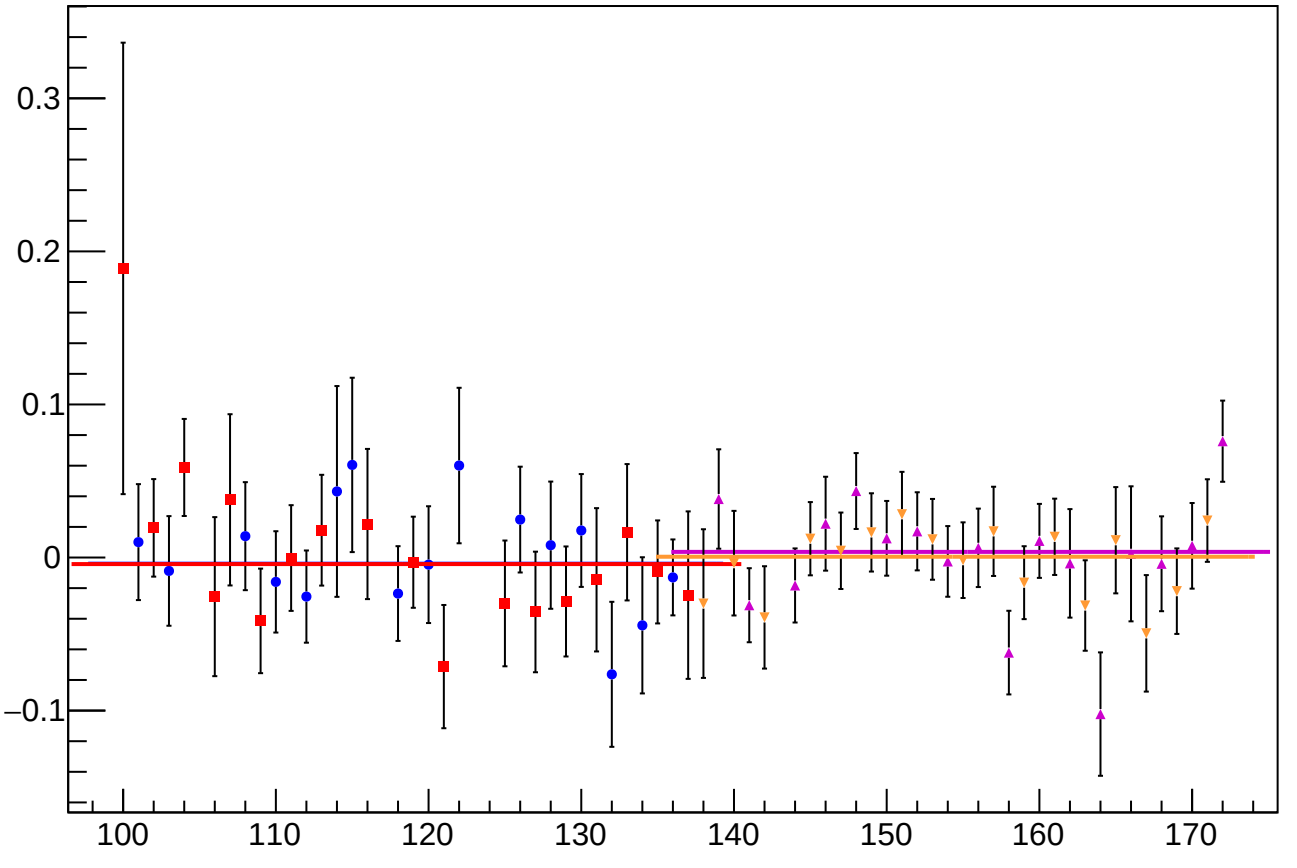
Left: 23.244+/-0.003 χ^2/NDF: 958913.9/33

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

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

Out: 23.364+/-0.004 χ^2/NDF:724117.9/34

All: 23.329+/-0.003 χ^2/NDF: 1348995.0/67



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

Left Out: 0.001+/-0.007 χ^2/NDF:9.2/16

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: 0.002+/-0.005 χ^2/NDF: 37.1/33

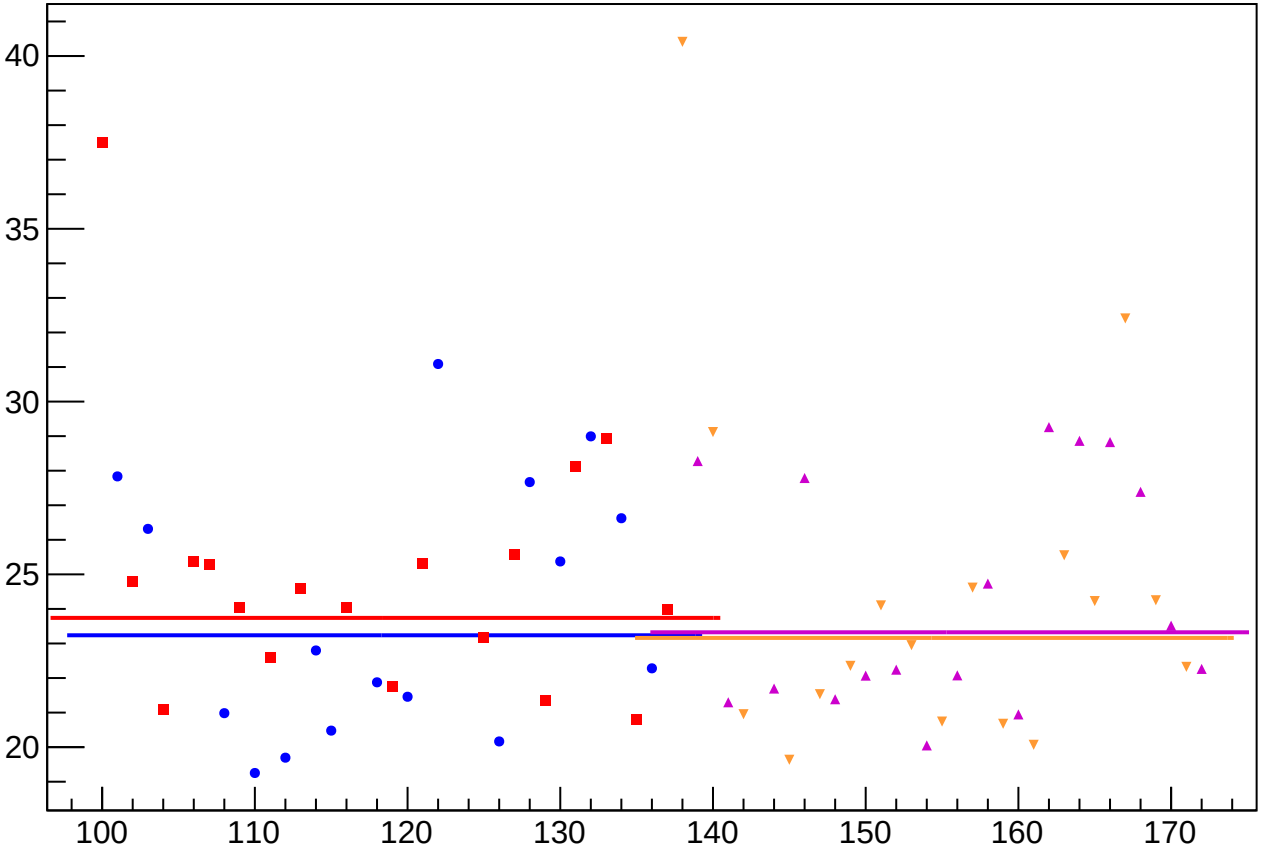
Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: 0.001+/-0.005 χ^2/NDF:37.5/32

Out: -0.001+/-0.006 χ^2/NDF:22.8/34

All: -0.000+/-0.004 χ^2/NDF: 60.4/67

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 23.161+/-0.005 χ^2/NDF:592959.5/16

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: 23.244+/-0.003 χ^2/NDF: 958913.9/33

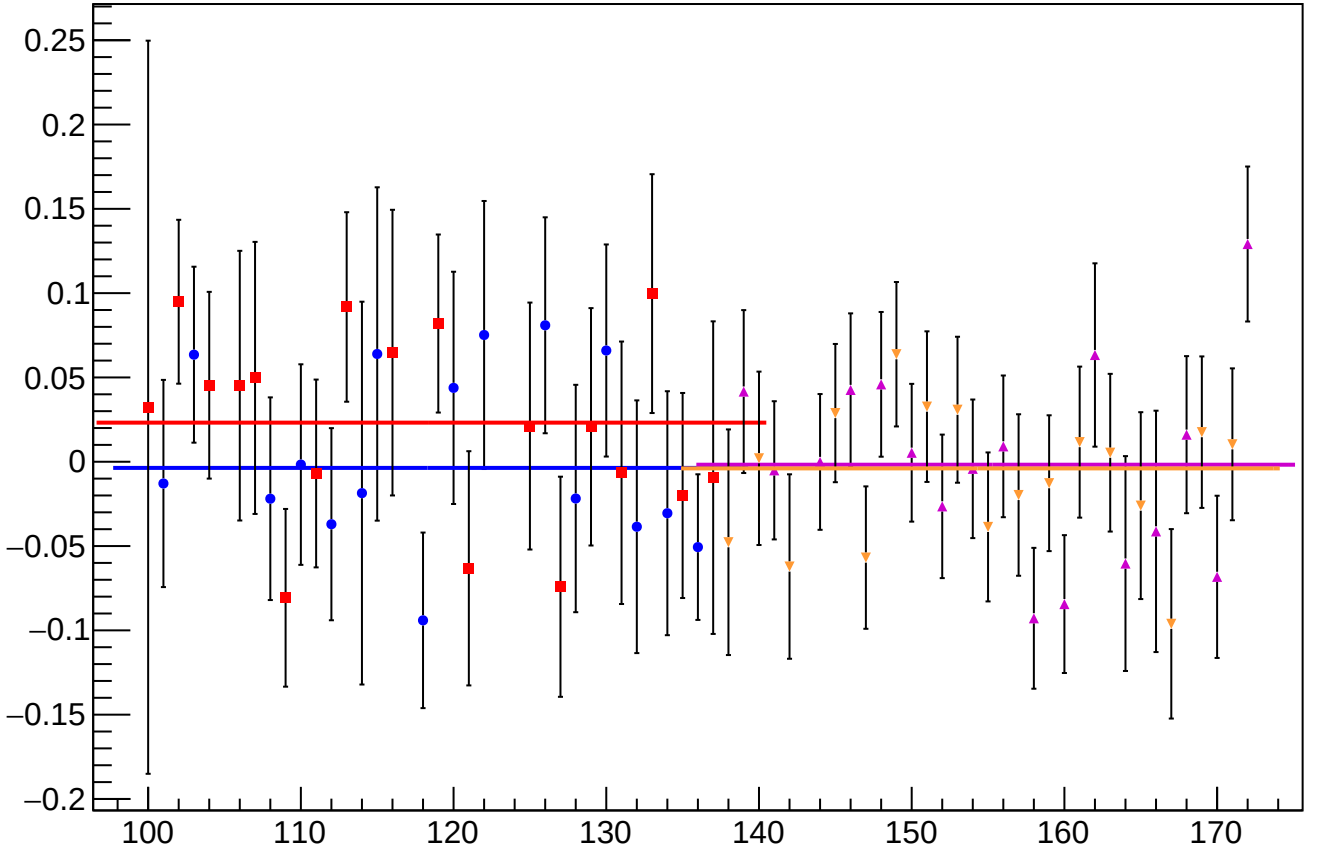
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

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

Out: 23.364+/-0.004 χ^2/NDF:724117.9/34

All: 23.329+/-0.003 χ^2/NDF: 1348995.0/67

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: -0.004+/-0.011 χ^2/NDF:11.7/16

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: -0.003+/-0.008 χ^2/NDF: 36.8/33

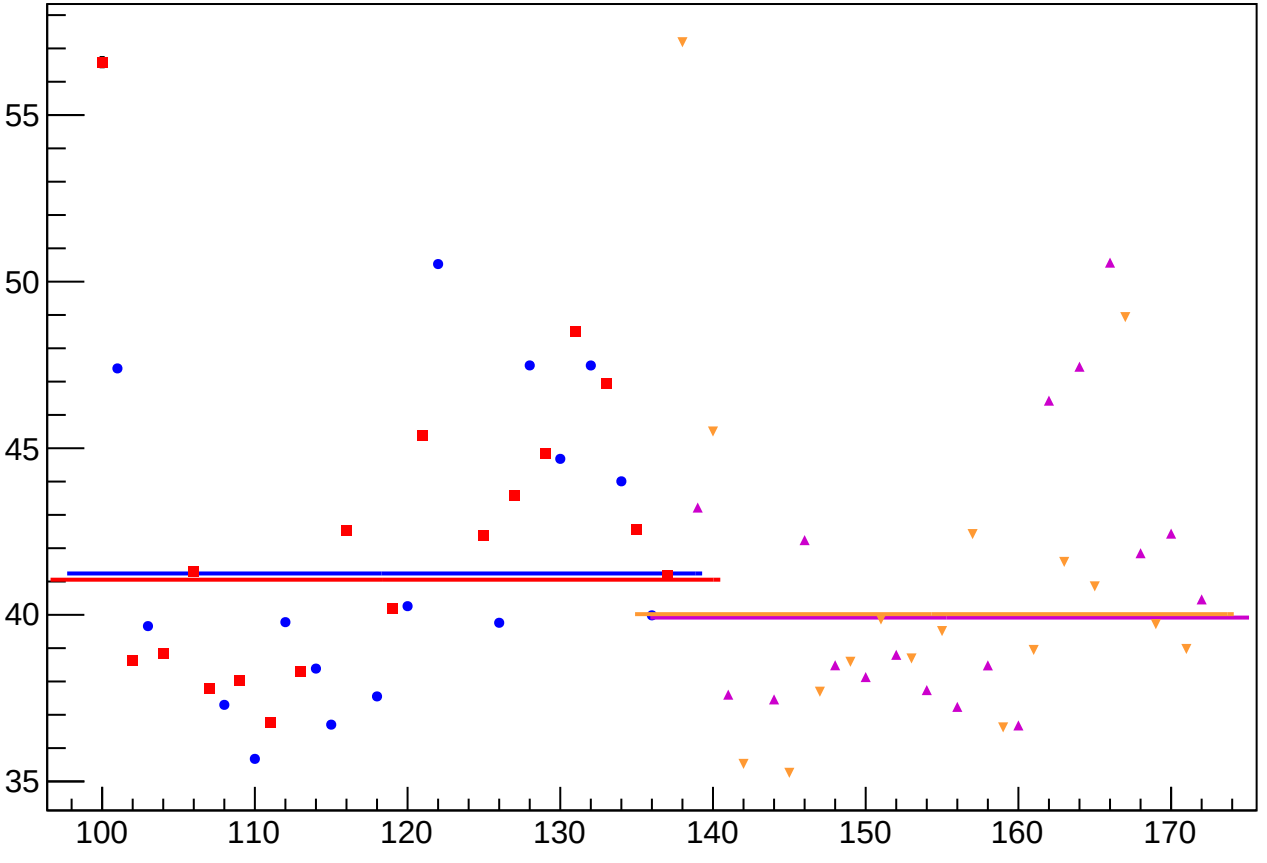
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.002+/-0.009 χ^2/NDF:36.7/32

Out: 0.005+/-0.009 χ^2/NDF:29.1/34

All: 0.001+/-0.006 χ^2/NDF: 66.2/67

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: 40.021+/-0.008 χ^2/NDF:279974.2/16

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

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

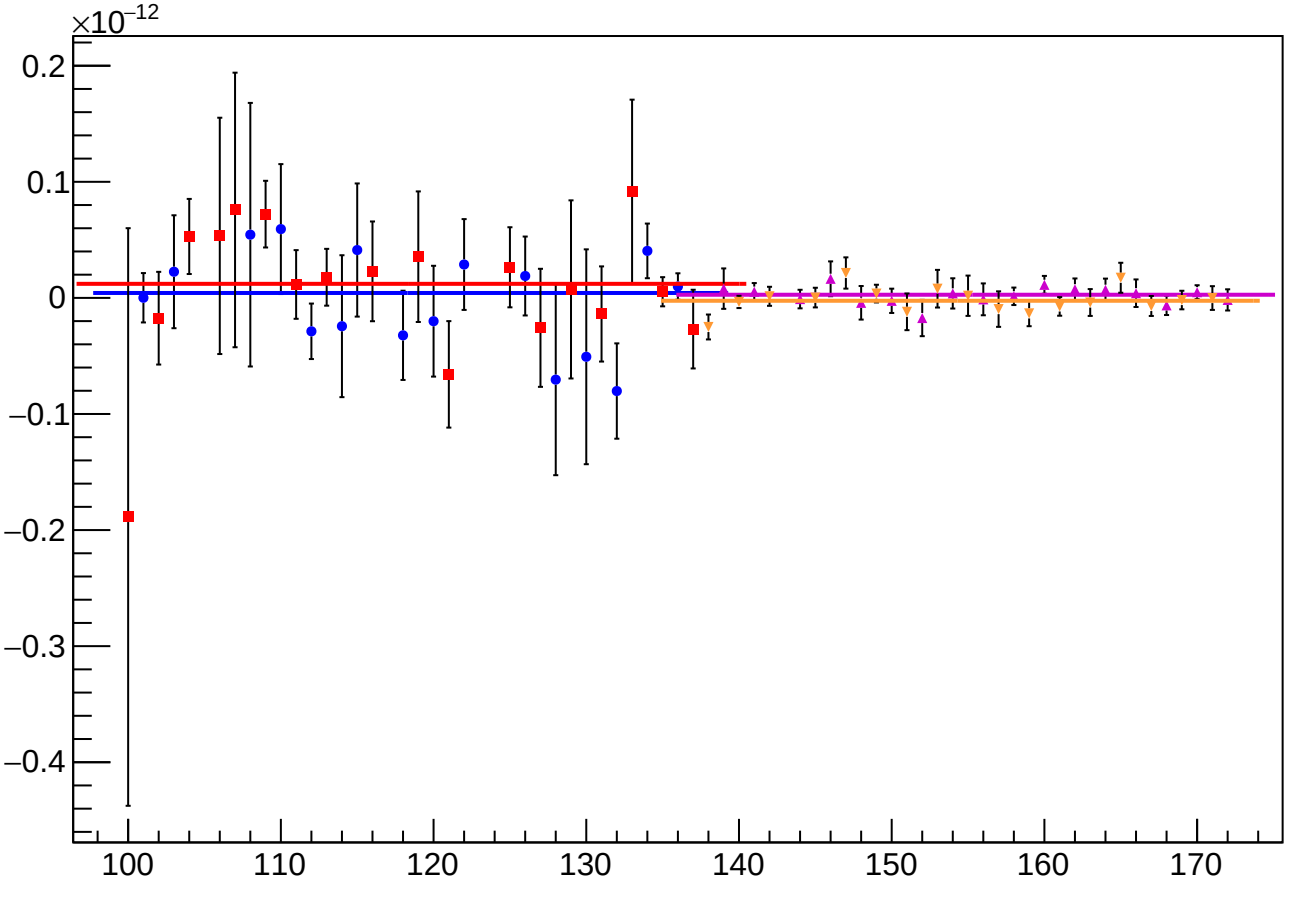
Left: 39.968+/-0.006 χ^2/NDF: 454631.9/33

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

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

Out: 40.380+/-0.006 χ^2/NDF:382331.6/34

All: 40.365+/-0.005 χ^2/NDF: 701690.1/67



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

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/16

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

Left In: 0.000+/-0.000 χ^2/NDF:6.8/16

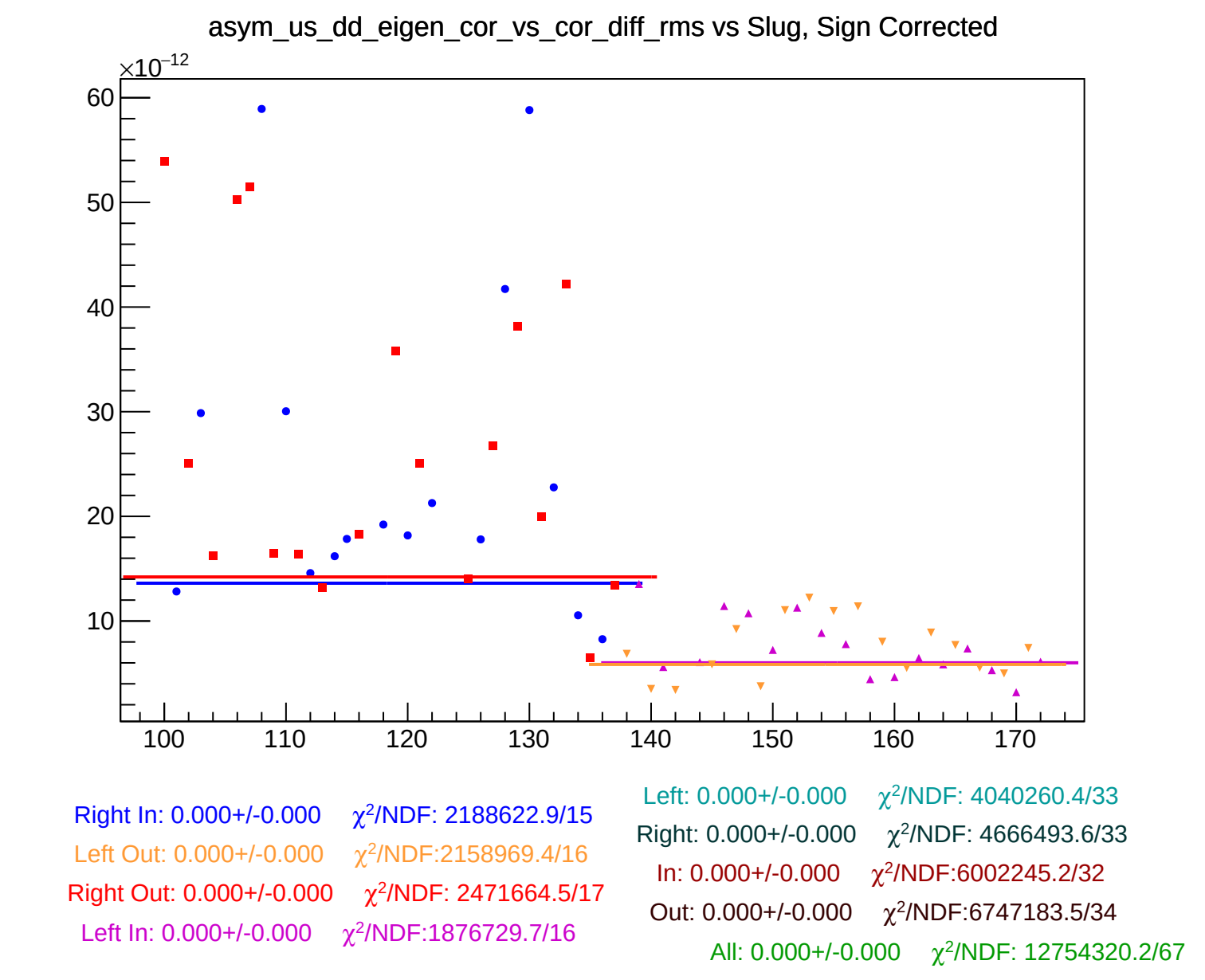
Left: 0.000+/-0.000 χ^2/NDF: 23.1/33

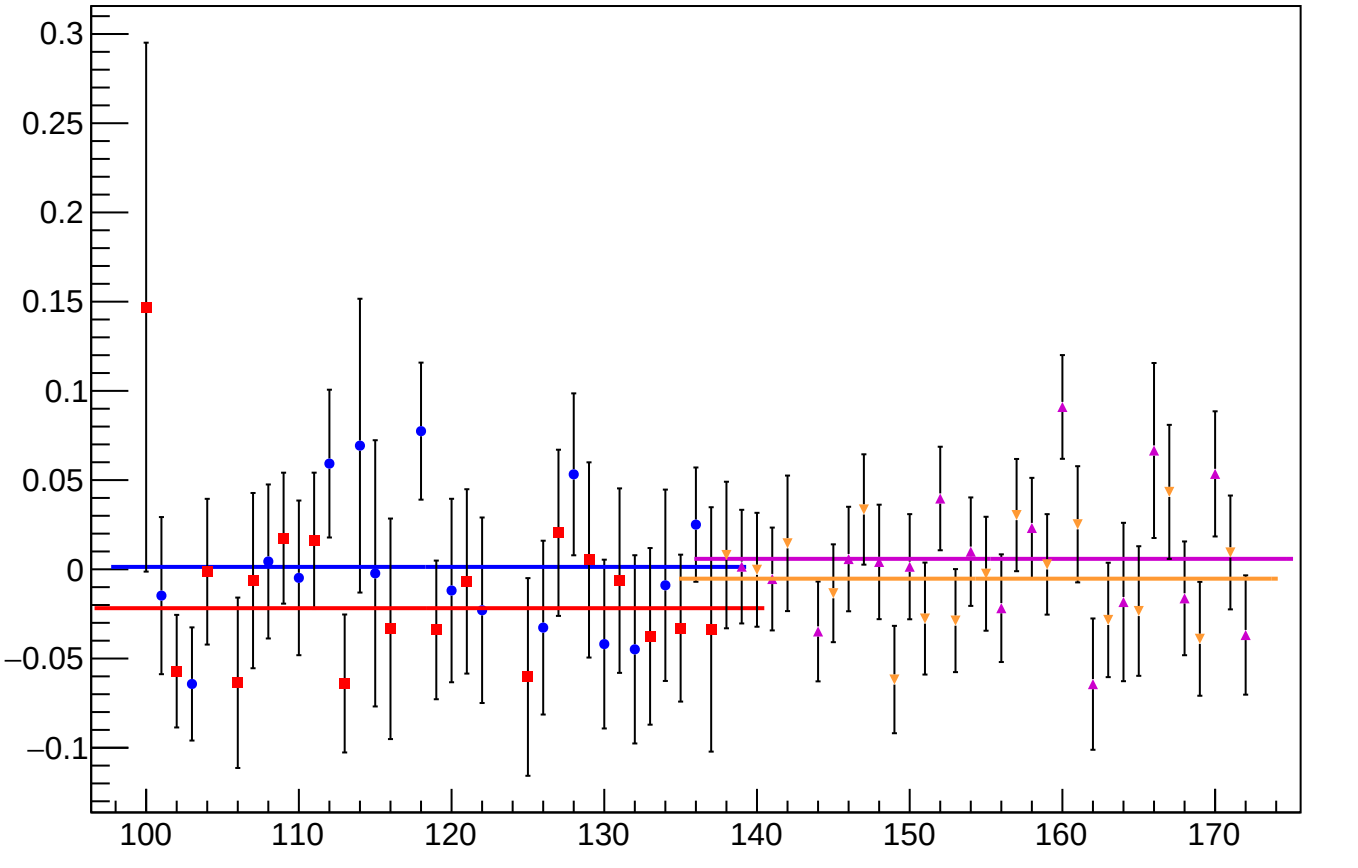
Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:20.5/32

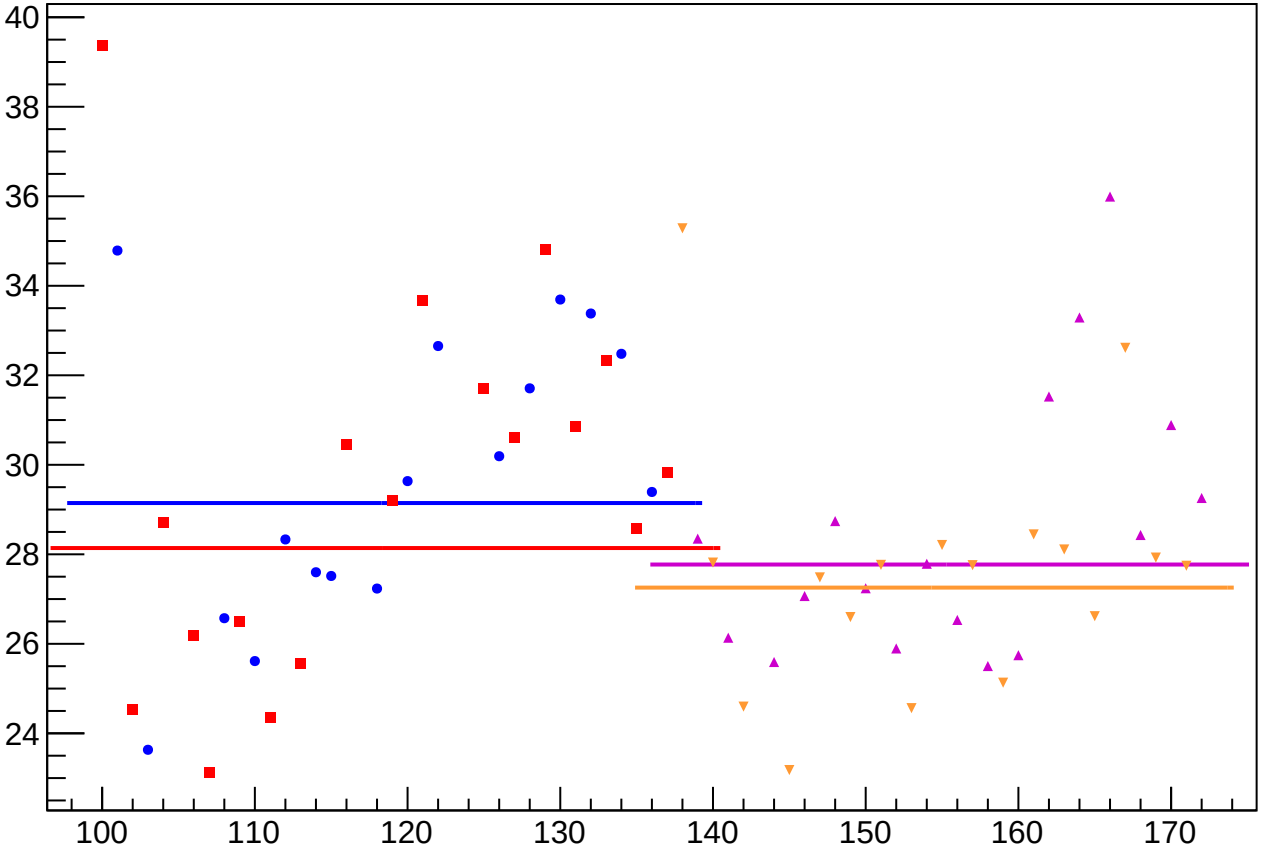
Out: -0.000+/-0.000 χ^2/NDF:31.5/34

All: 0.000+/-0.000 χ^2/NDF: 53.7/67


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:2158969.4/16
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: 4040260.4/33
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:6747183.5/34
All: 0.000+/-0.000 χ²/NDF: 12754320.2/67


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: -0.005+/-0.008 χ²/NDF:12.8/16
Right Out: -0.022+/-0.011 χ²/NDF: 9.0/17
Left In: 0.006+/-0.008 χ²/NDF:22.9/16
Left: 0.000+/-0.005 χ²/NDF: 36.7/33
Right: -0.011+/-0.008 χ²/NDF: 26.5/33
In: 0.004+/-0.006 χ²/NDF:38.3/32
Out: -0.011+/-0.006 χ²/NDF:23.4/34
All: -0.003+/-0.004 χ²/NDF: 64.6/67

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: 27.256+/-0.005 χ^2/NDF:210430.1/16

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

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

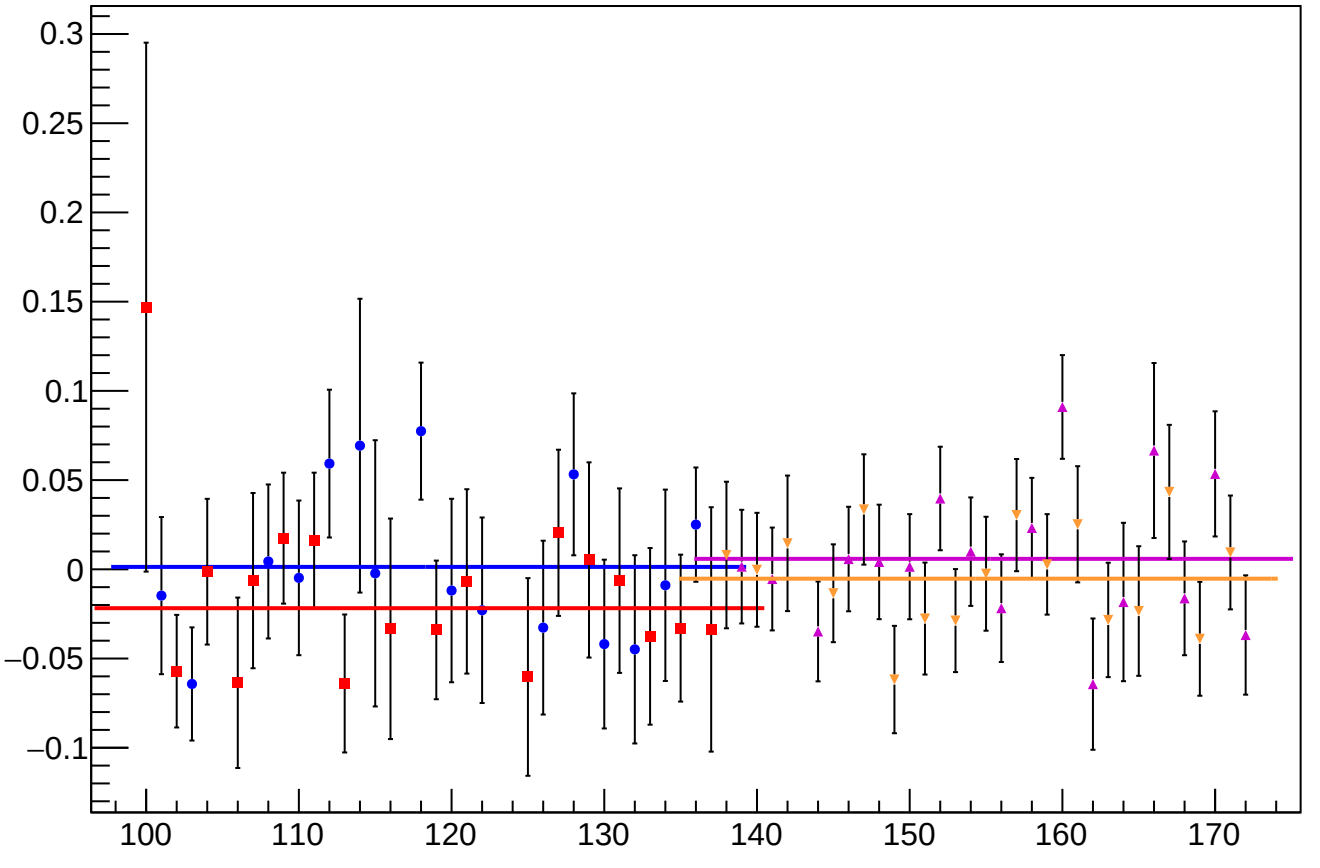
Left: 27.517+/-0.004 χ^2/NDF: 400818.2/33

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

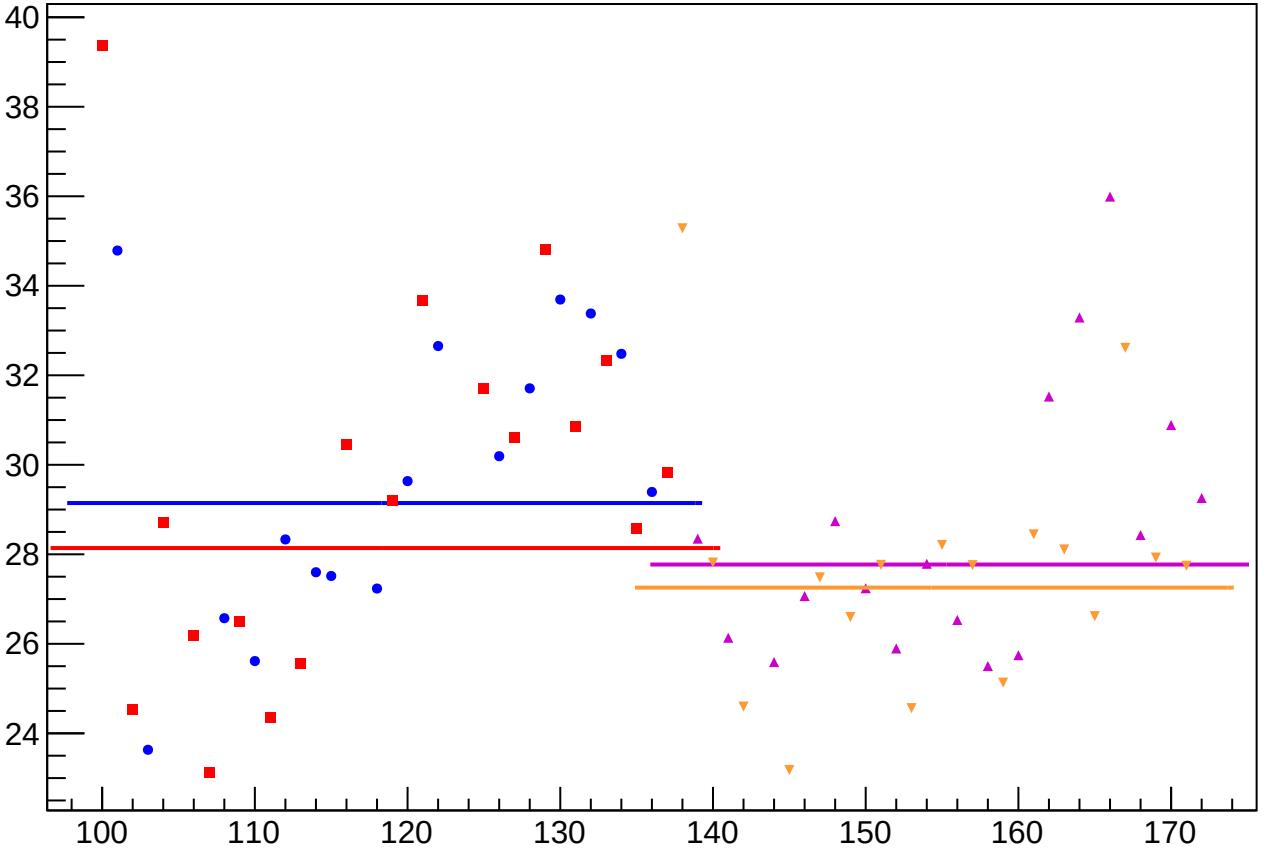
In: 28.211+/-0.004 χ^2/NDF:383257.7/32

Out: 27.558+/-0.004 χ^2/NDF:406384.3/34

All: 27.883+/-0.003 χ^2/NDF: 800296.0/67


asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.011 χ²/NDF: 15.3/15
Left Out: -0.005+/-0.008 χ²/NDF:12.8/16
Right Out: -0.022+/-0.011 χ²/NDF: 9.0/17
Left In: 0.006+/-0.008 χ²/NDF:22.9/16
Left: 0.000+/-0.005 χ²/NDF: 36.7/33
Right: -0.011+/-0.008 χ²/NDF: 26.5/33
In: 0.004+/-0.006 χ²/NDF:38.3/32
Out: -0.011+/-0.006 χ²/NDF:23.4/34
All: -0.003+/-0.004 χ²/NDF: 64.6/67

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: 27.256+/-0.005 χ^2/NDF:210430.1/16

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: 27.517+/-0.004 χ^2/NDF: 400818.2/33

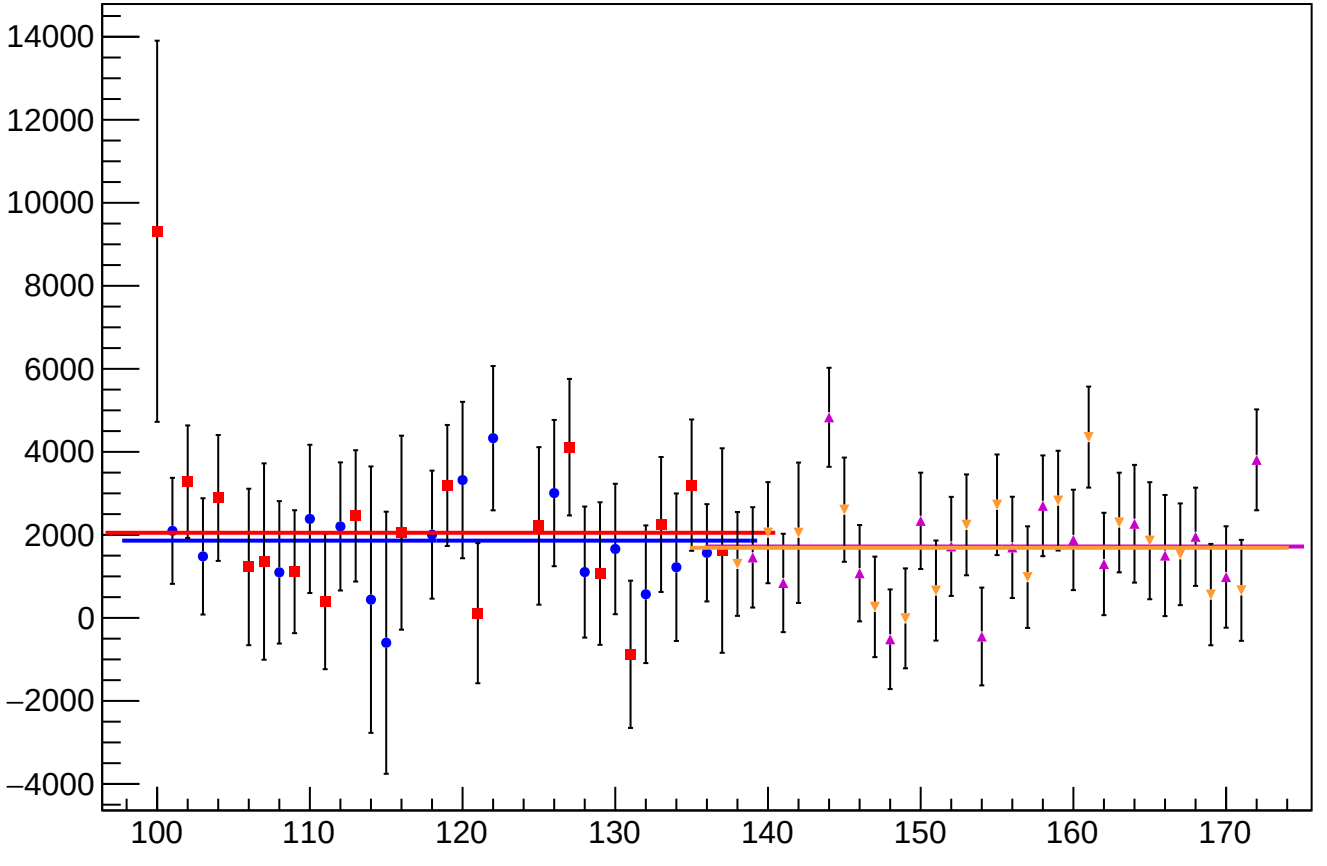
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

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

Out: 27.558+/-0.004 χ^2/NDF:406384.3/34

All: 27.883+/-0.003 χ^2/NDF: 800296.0/67

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1689.171+/-302.040 χ^2/NDF:13.7/16

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: 1704.640+/-211.370 χ^2/NDF: 32.9/33

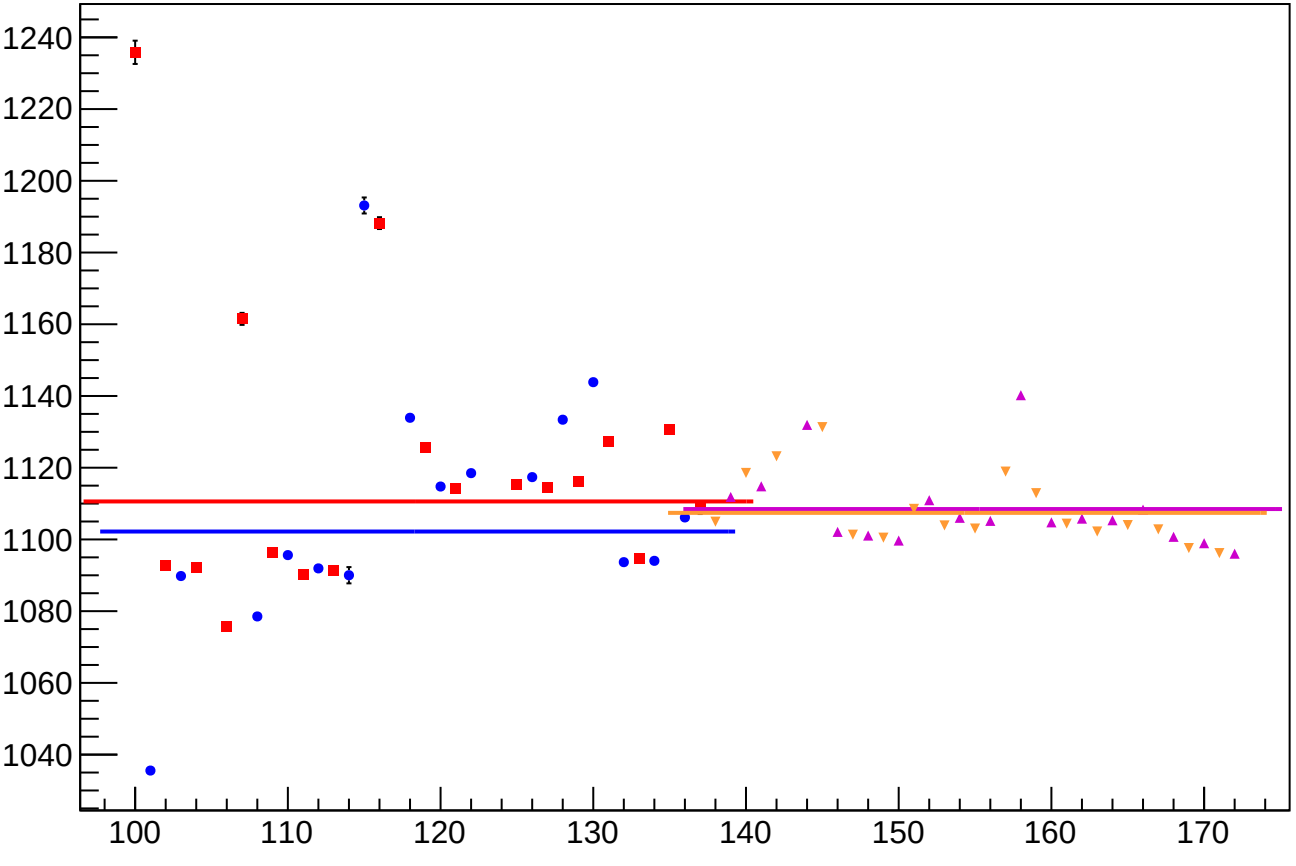
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

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

Out: 1816.705+/-243.021 χ^2/NDF:26.7/34

All: 1792.136+/-170.707 χ^2/NDF: 51.3/67

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1107.410+/-0.214 χ^2/NDF:1842.7/16

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

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

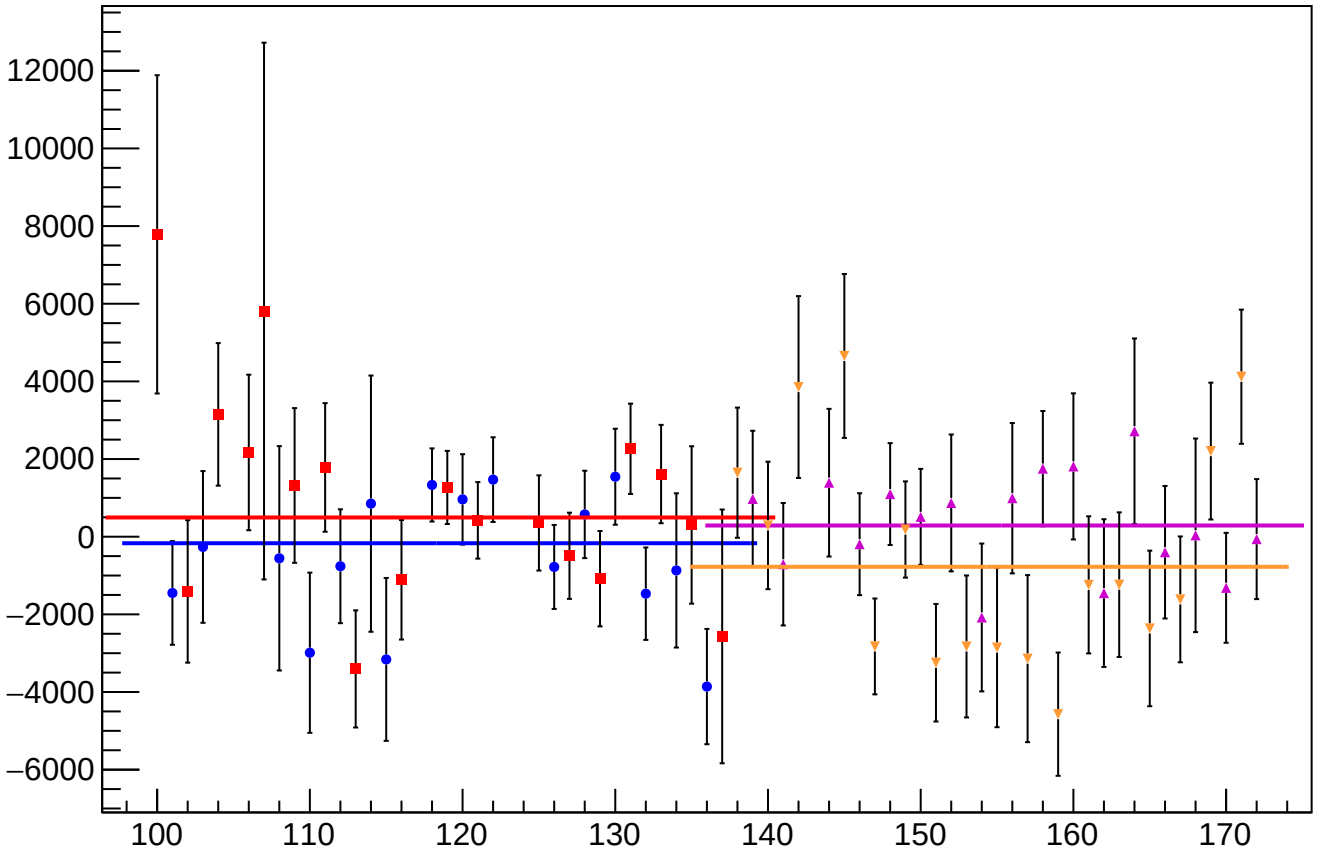
Left: 1107.953+/-0.149 χ^2/NDF: 4807.9/33

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

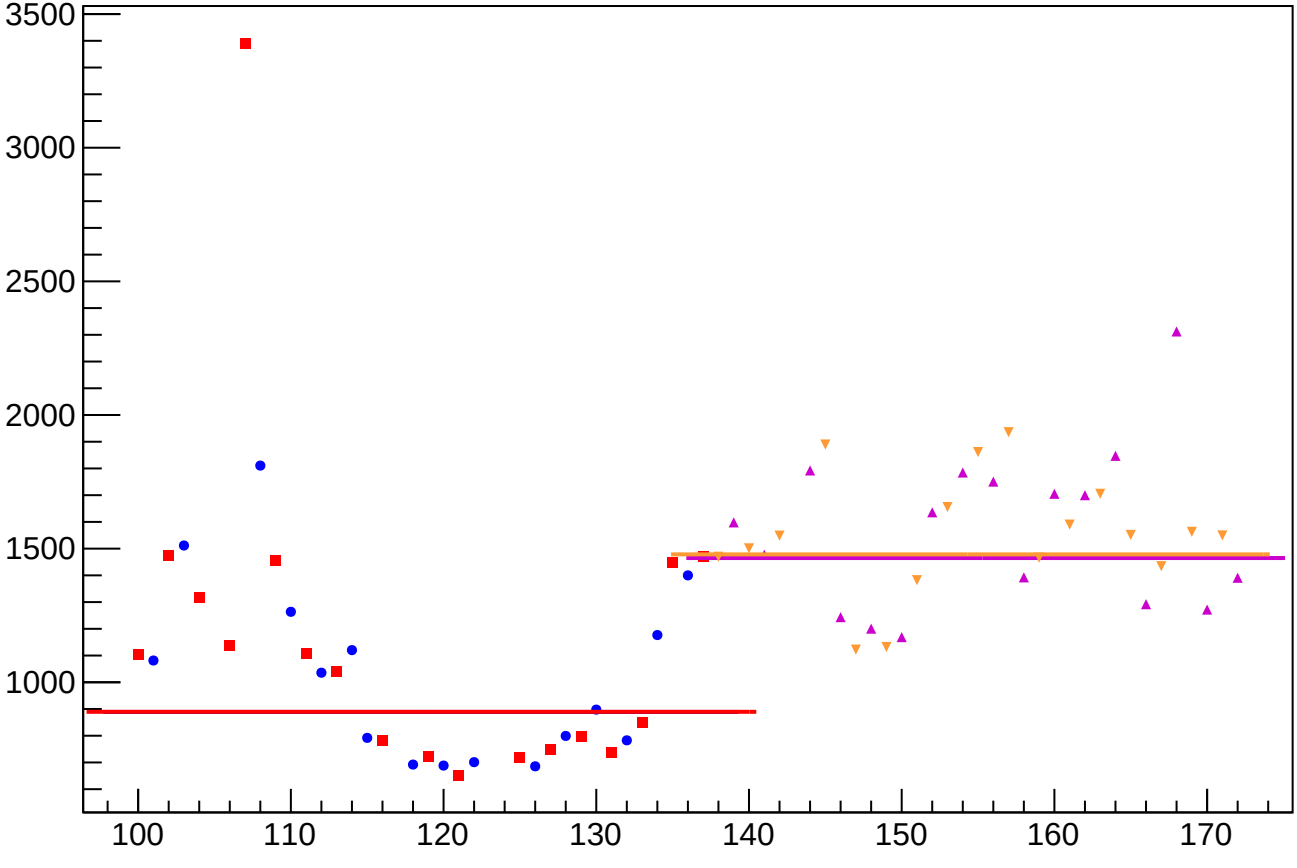
In: 1106.324+/-0.170 χ^2/NDF:14609.4/32

Out: 1108.532+/-0.172 χ^2/NDF:9617.0/34

All: 1107.414+/-0.121 χ^2/NDF: 24310.0/67


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: -775.345+/-410.854 χ²/NDF:40.2/16
Right Out: 495.172+/-345.054 χ²/NDF: 23.3/17
Left In: 288.596+/-398.557 χ²/NDF:8.2/16
Left: -227.214+/-286.071 χ²/NDF: 51.9/33
Right: 164.012+/-244.127 χ²/NDF: 46.1/33
In: 27.928+/-261.038 χ²/NDF:30.0/32
Out: -30.323+/-264.230 χ²/NDF:69.1/34
All: -0.844+/-185.700 χ²/NDF: 99.1/67

asym_usl_reg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1478.523+/-0.291 χ^2/NDF:637857.7/16

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: 1471.466+/-0.202 χ^2/NDF: 1494390.8/33

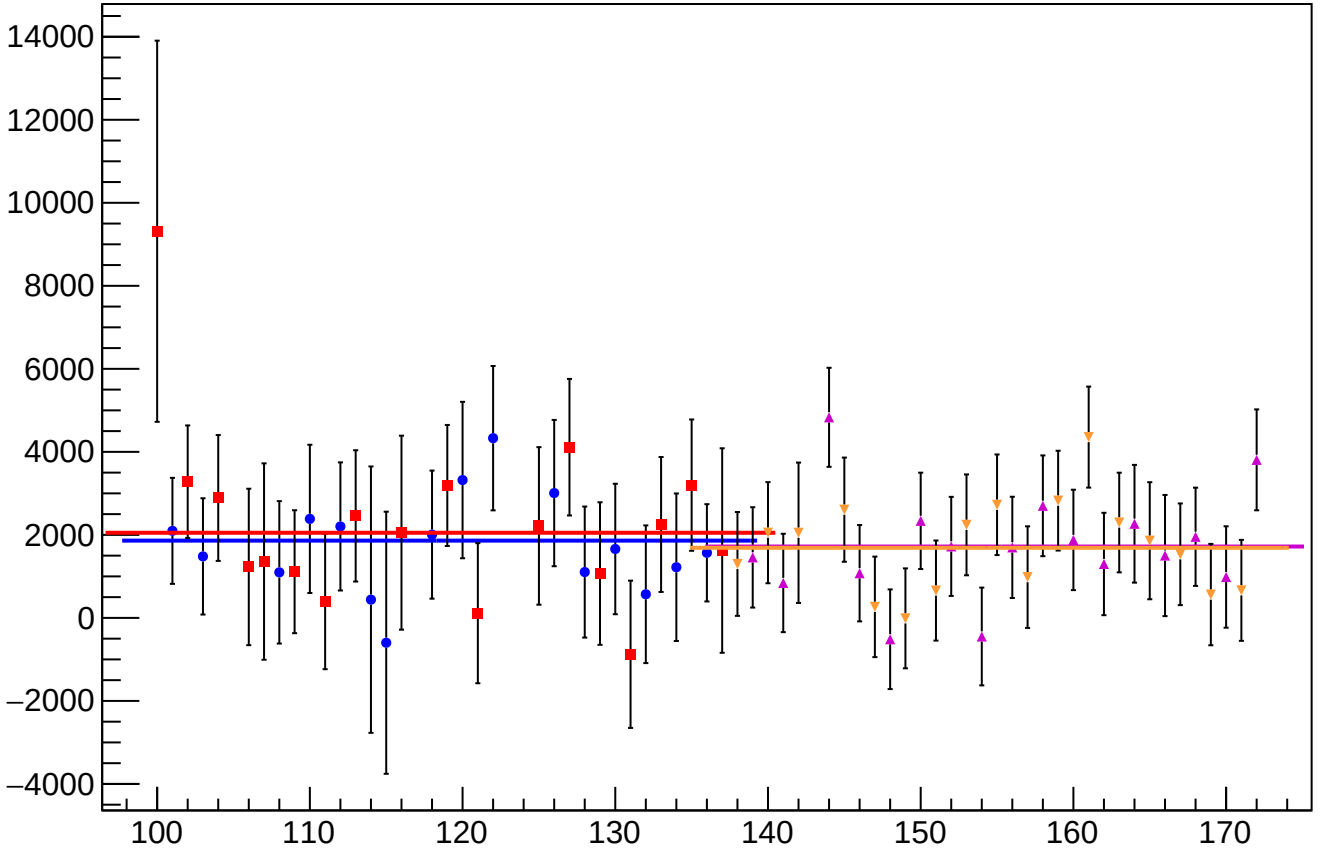
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

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

Out: 1133.111+/-0.187 χ^2/NDF:4394291.9/34

All: 1134.566+/-0.131 χ^2/NDF: 8766837.6/67

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1689.171+/-302.040 χ^2/NDF:13.7/16

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: 1704.640+/-211.370 χ^2/NDF: 32.9/33

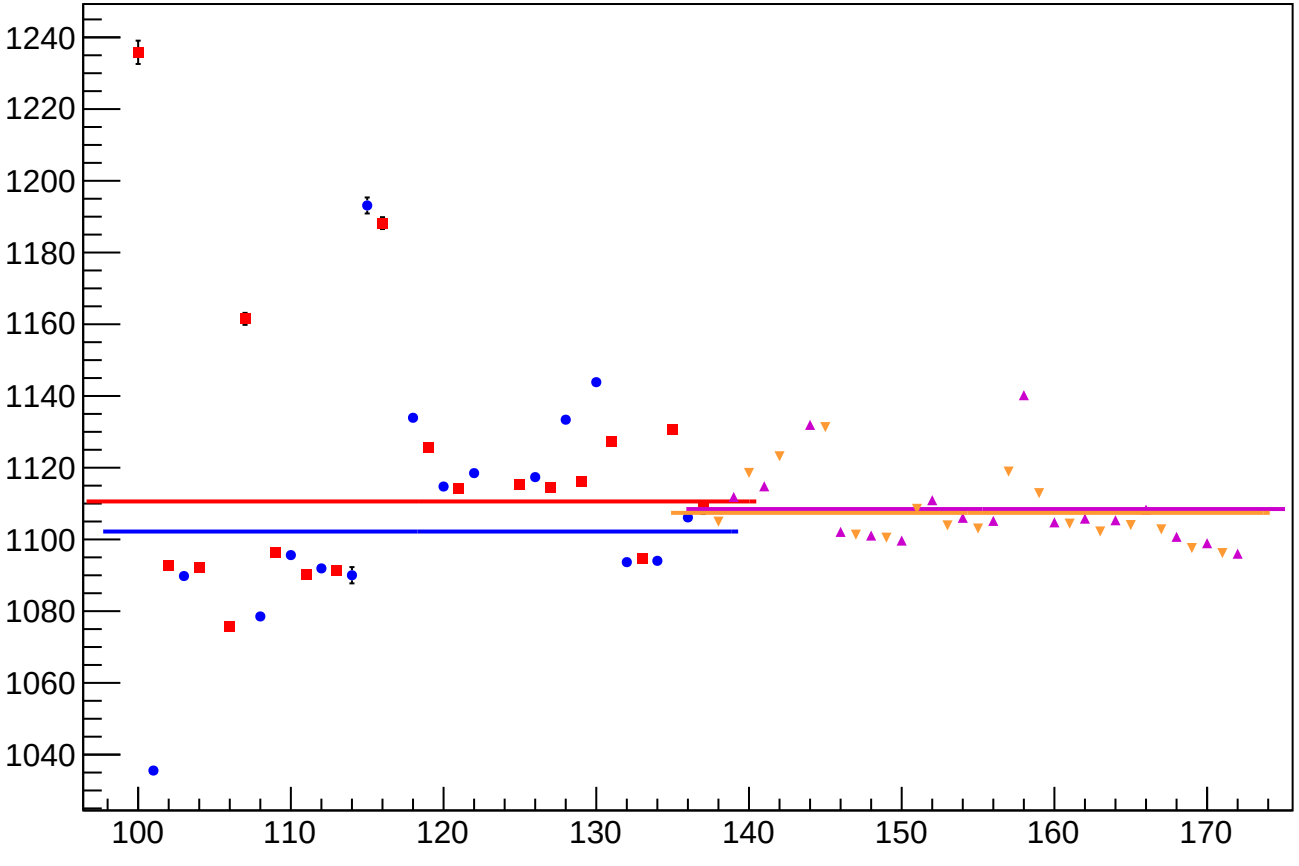
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

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

Out: 1816.705+/-243.021 χ^2/NDF:26.7/34

All: 1792.136+/-170.707 χ^2/NDF: 51.3/67

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1107.410+/-0.214 χ^2/NDF:1842.7/16

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

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

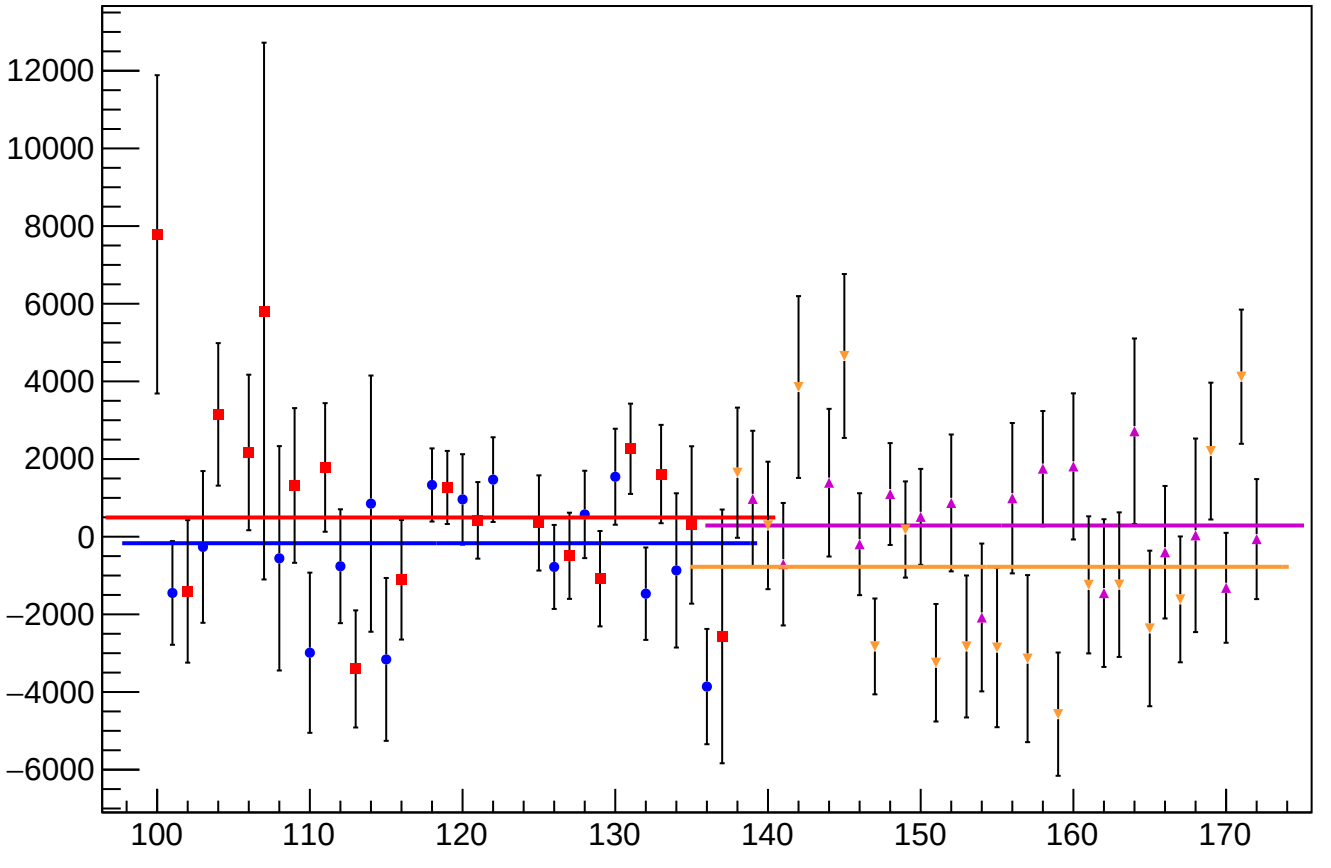
Left: 1107.953+/-0.149 χ^2/NDF: 4807.9/33

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

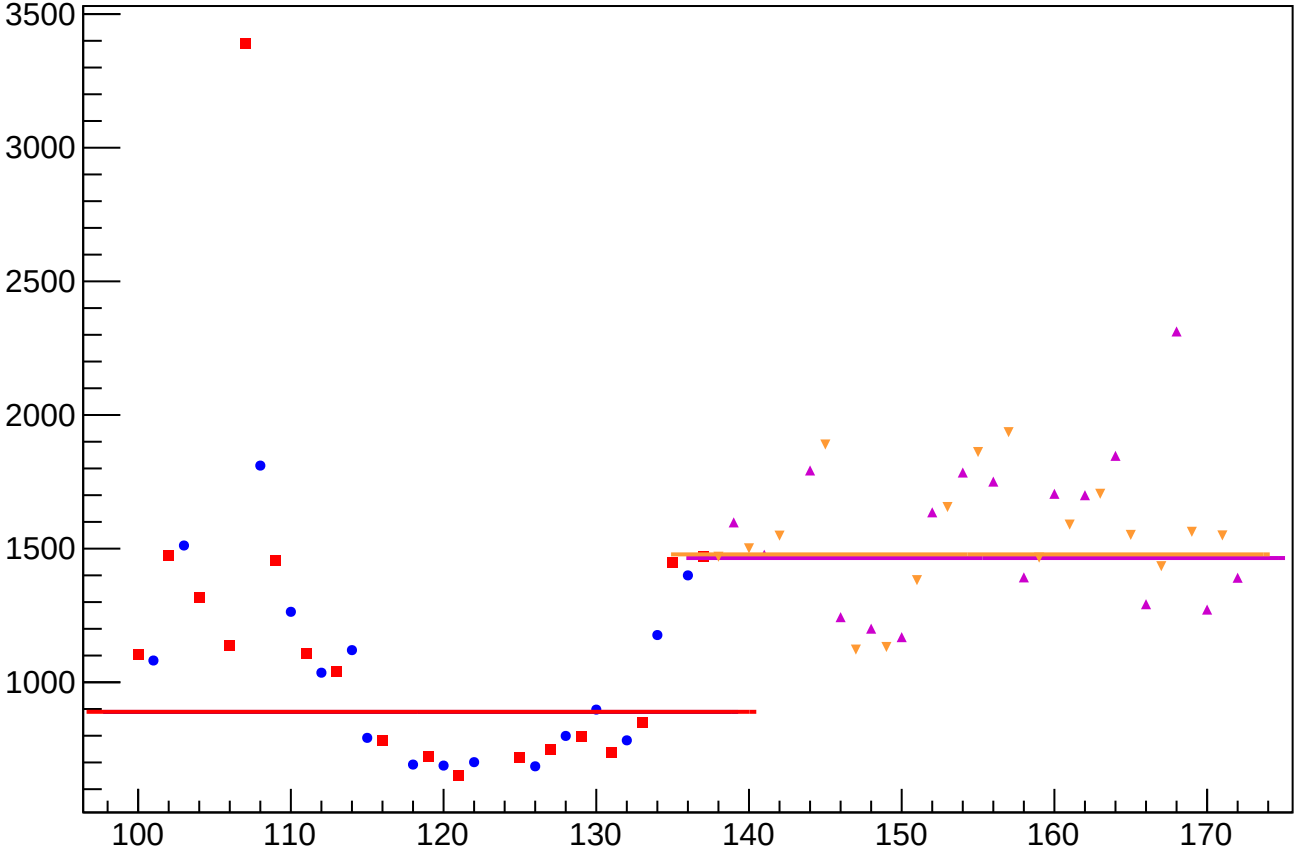
In: 1106.324+/-0.170 χ^2/NDF:14609.4/32

Out: 1108.532+/-0.172 χ^2/NDF:9617.0/34

All: 1107.414+/-0.121 χ^2/NDF: 24310.0/67


asym_usl_cor_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: -775.345+/-410.854 χ²/NDF:40.2/16
Right Out: 495.172+/-345.054 χ²/NDF: 23.3/17
Left In: 288.596+/-398.557 χ²/NDF:8.2/16
Left: -227.214+/-286.071 χ²/NDF: 51.9/33
Right: 164.012+/-244.127 χ²/NDF: 46.1/33
In: 27.928+/-261.038 χ²/NDF:30.0/32
Out: -30.323+/-264.230 χ²/NDF:69.1/34
All: -0.844+/-185.700 χ²/NDF: 99.1/67

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1478.523+/-0.291 χ^2/NDF:637857.7/16

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: 1471.466+/-0.202 χ^2/NDF: 1494390.8/33

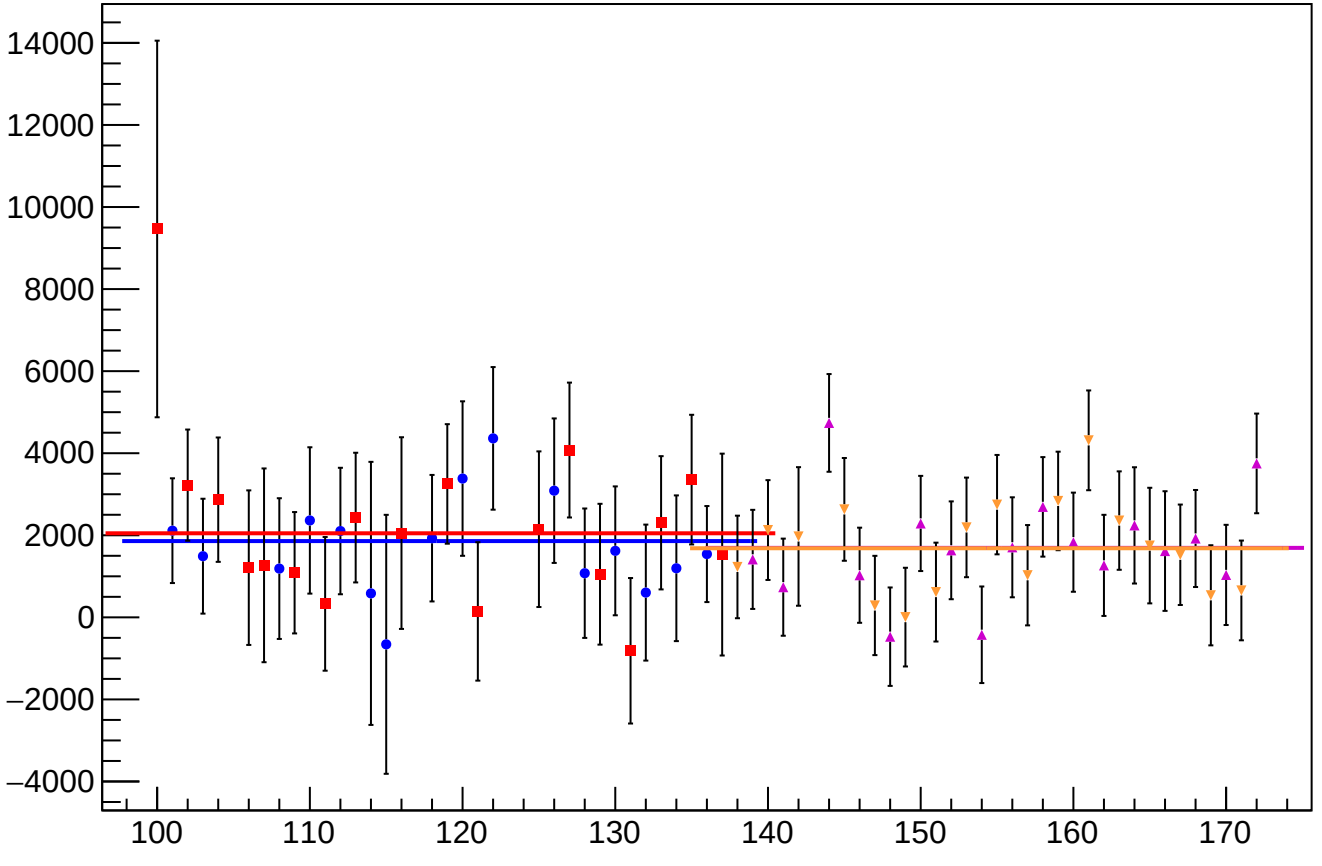
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

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

Out: 1133.111+/-0.187 χ^2/NDF:4394291.9/34

All: 1134.566+/-0.131 χ^2/NDF: 8766837.6/67

overload_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1684.062+/-301.739 χ^2/NDF:13.7/16

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: 1688.656+/-211.161 χ^2/NDF: 32.2/33

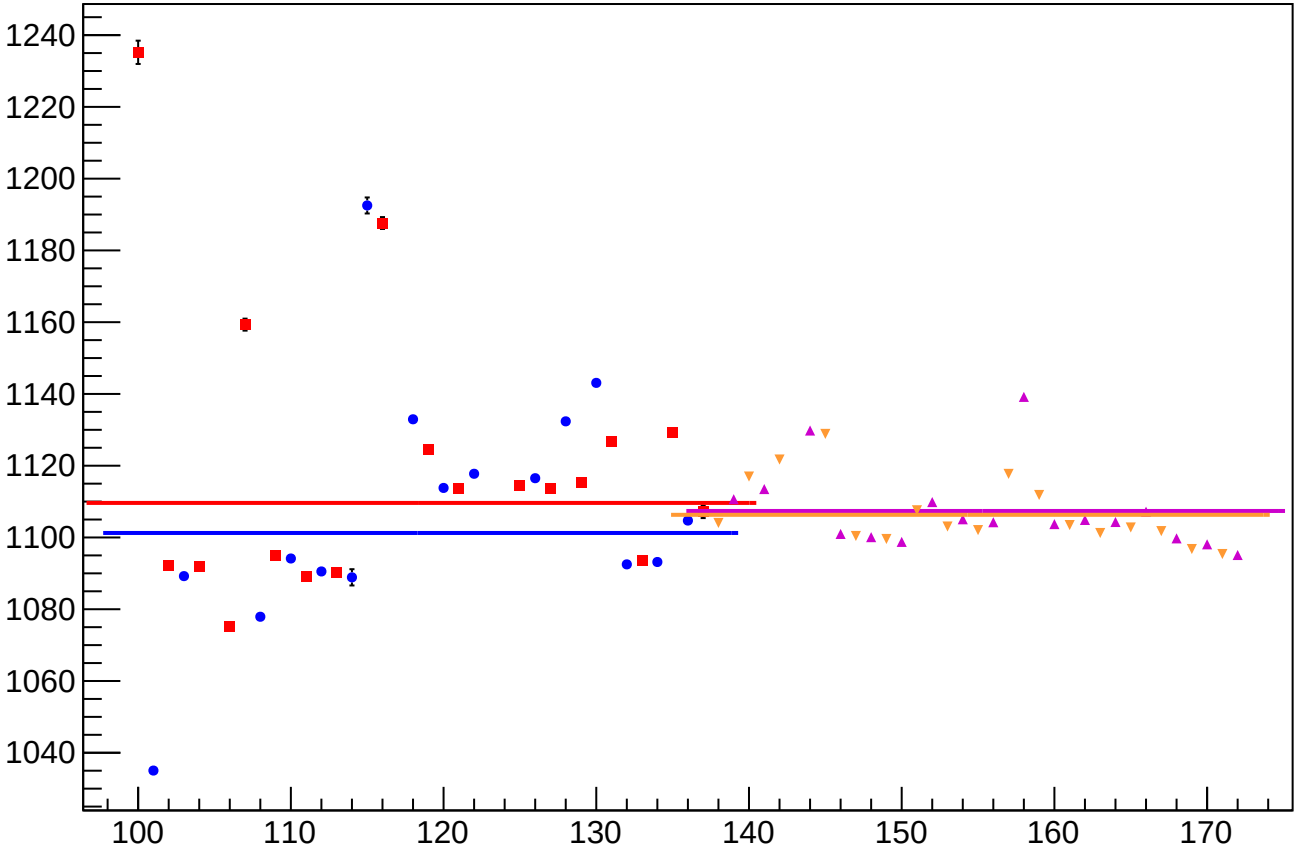
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

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

Out: 1812.611+/-242.790 χ^2/NDF:27.0/34

All: 1780.825+/-170.545 χ^2/NDF: 51.0/67

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1106.313+/-0.213 χ^2/NDF:1714.1/16

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: 1106.861+/-0.149 χ^2/NDF: 4593.5/33

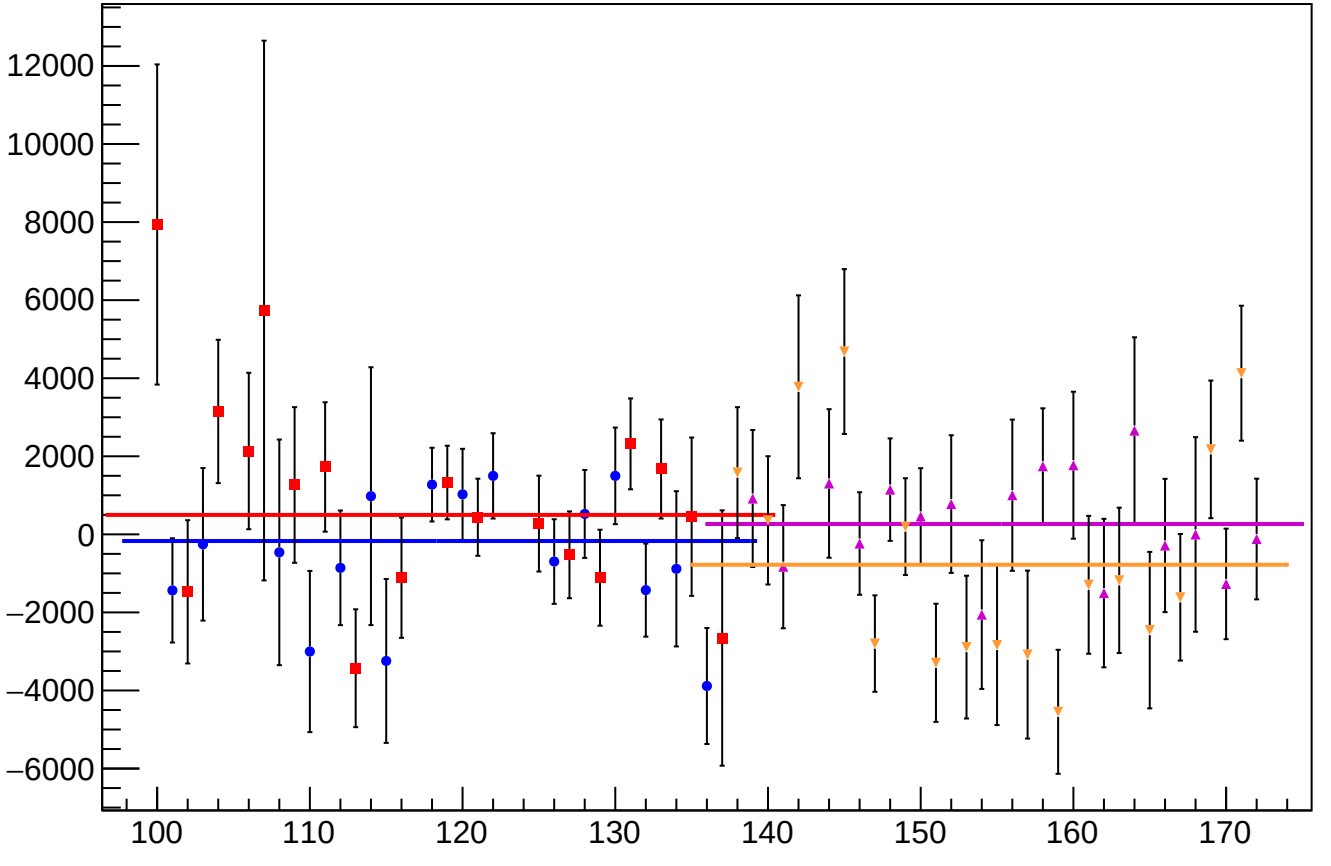
Right: 1105.444+/-0.205 χ^2/NDF: 19400.5/33

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

Out: 1107.482+/-0.172 χ^2/NDF:9472.3/34

All: 1106.368+/-0.121 χ^2/NDF: 24025.3/67

asym_usl_overload_cor_correction_mean vs Slug, Sign Corrected



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

Left Out: -778.692+/-411.089 χ^2/NDF:40.0/16

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

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

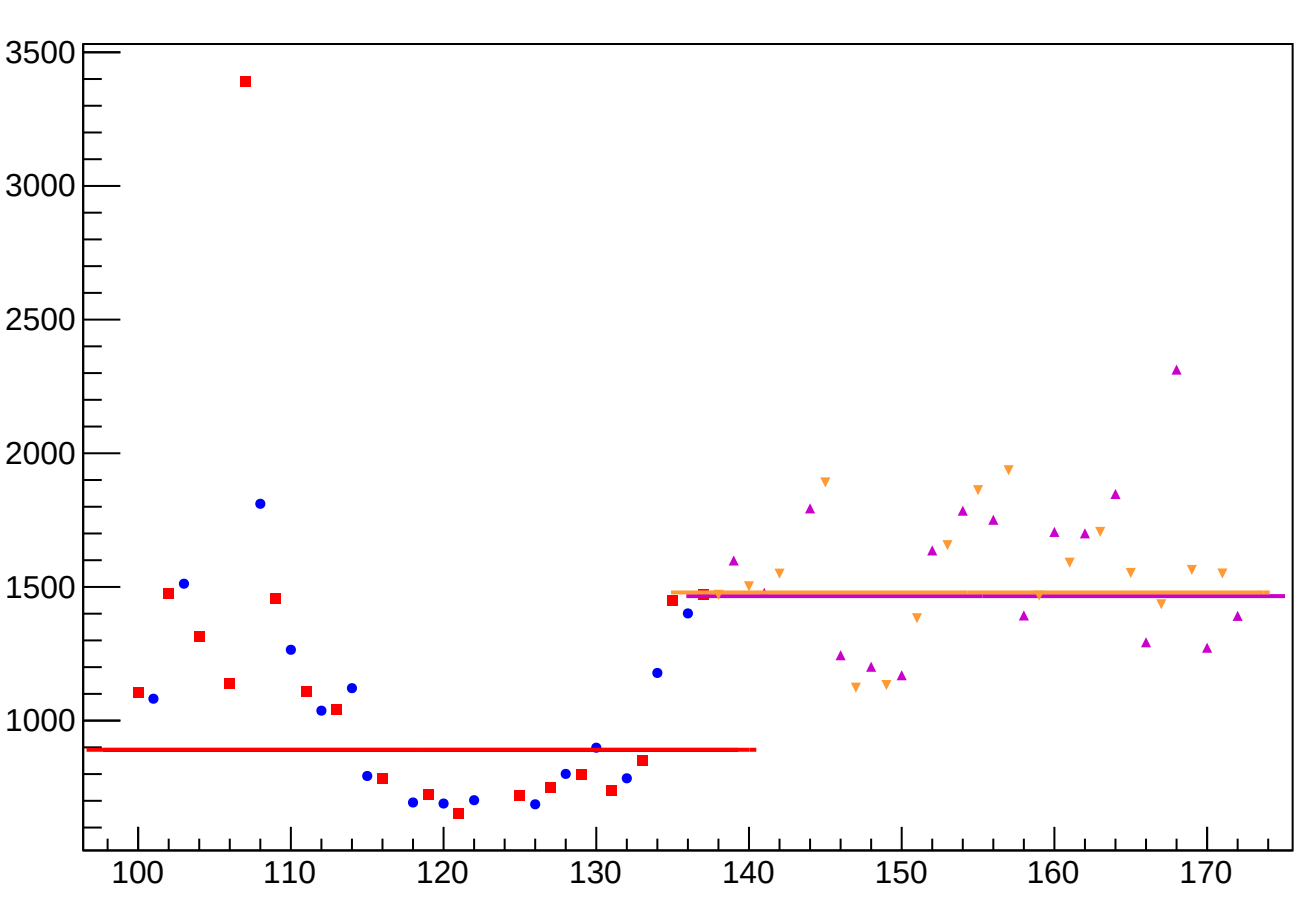
Left: -241.101+/-286.237 χ^2/NDF: 51.5/33

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

In: 16.195+/-261.336 χ^2/NDF:29.7/32

Out: -30.636+/-264.522 χ^2/NDF:69.6/34

All: -6.937+/-185.909 χ^2/NDF: 99.3/67



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

Left Out: 1479.413+/-0.291 χ^2/NDF:636827.5/16

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: 1472.361+/-0.202 χ^2/NDF: 1492078.7/33

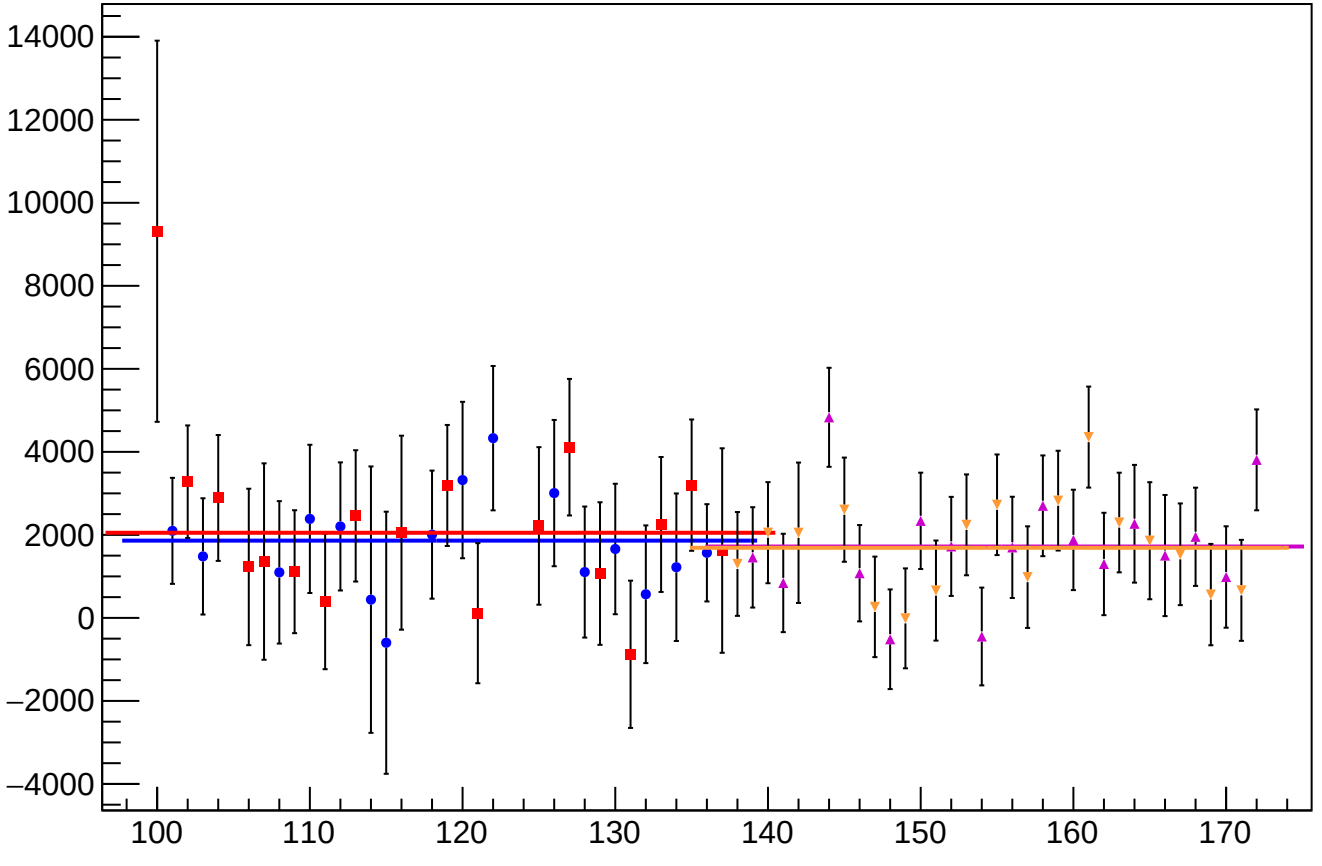
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

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

Out: 1134.595+/-0.187 χ^2/NDF:4380094.3/34

All: 1136.078+/-0.131 χ^2/NDF: 8737280.6/67

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1689.171+/-302.040 χ^2/NDF:13.7/16

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: 1704.640+/-211.370 χ^2/NDF: 32.9/33

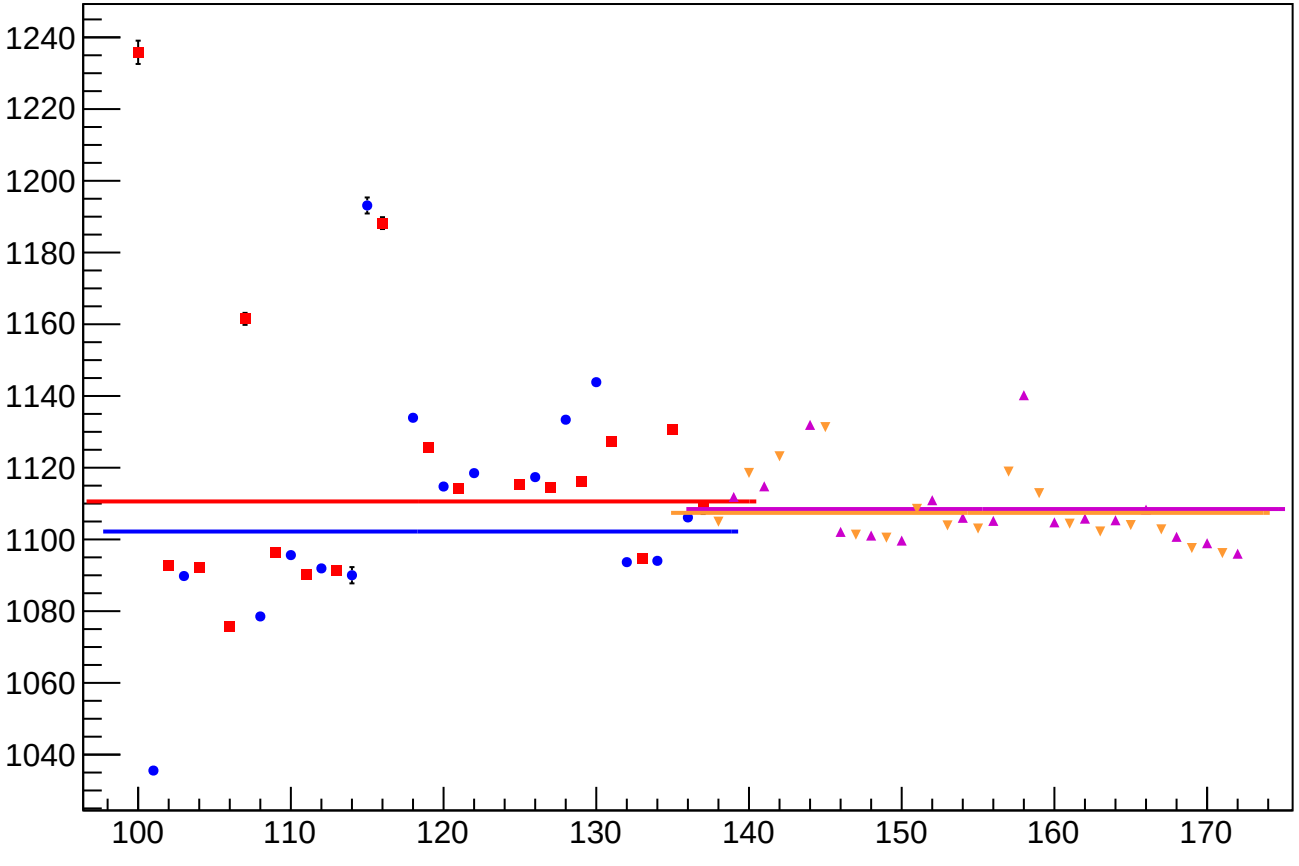
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

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

Out: 1816.705+/-243.021 χ^2/NDF:26.7/34

All: 1792.136+/-170.707 χ^2/NDF: 51.3/67

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1107.410+/-0.214 χ^2/NDF:1842.7/16

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

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

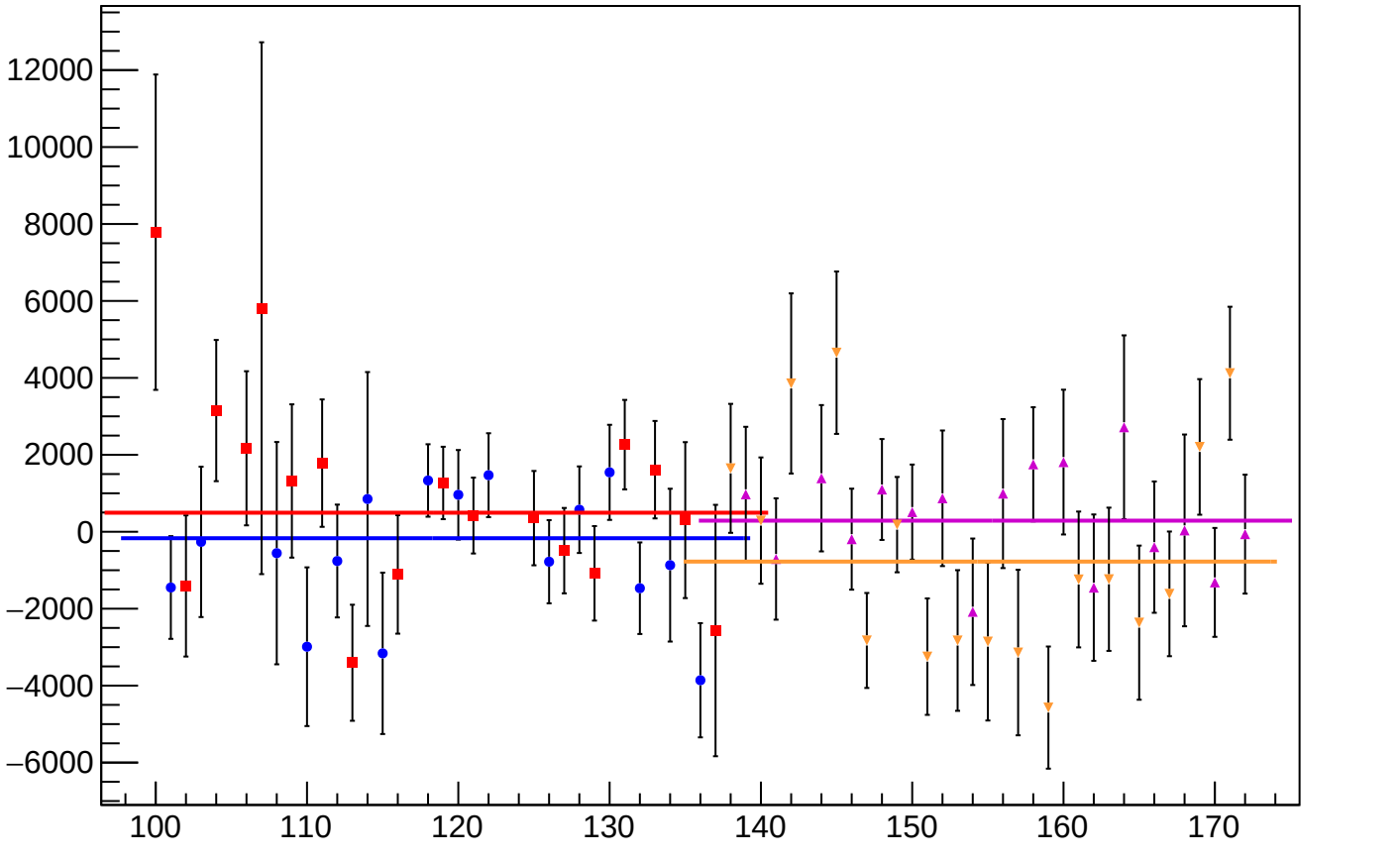
Left: 1107.953+/-0.149 χ^2/NDF: 4807.9/33

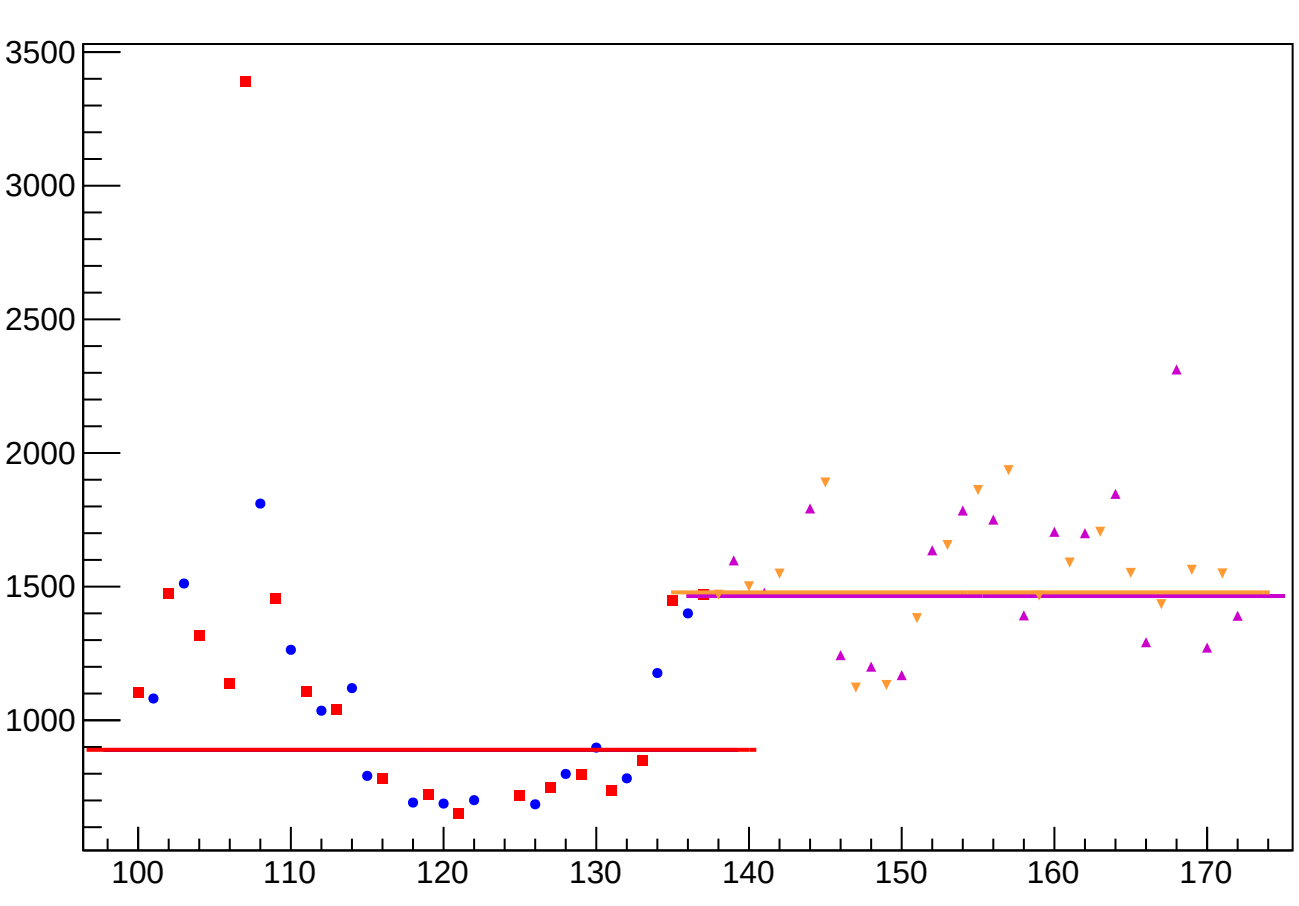
Right: 1106.401+/-0.205 χ^2/NDF: 19464.6/33

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

Out: 1108.532+/-0.172 χ^2/NDF:9617.0/34

All: 1107.414+/-0.121 χ^2/NDF: 24310.0/67


asym_usl_eigen_cor_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: -775.345+/-410.854 χ²/NDF:40.2/16
Right Out: 495.172+/-345.054 χ²/NDF: 23.3/17
Left In: 288.596+/-398.557 χ²/NDF:8.2/16
Left: -227.214+/-286.071 χ²/NDF: 51.9/33
Right: 164.012+/-244.127 χ²/NDF: 46.1/33
In: 27.928+/-261.038 χ²/NDF:30.0/32
Out: -30.323+/-264.230 χ²/NDF:69.1/34
All: -0.844+/-185.700 χ²/NDF: 99.1/67



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

Left Out: 1478.523+/-0.291 χ^2/NDF:637857.7/16

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: 1471.466+/-0.202 χ^2/NDF: 1494390.8/33

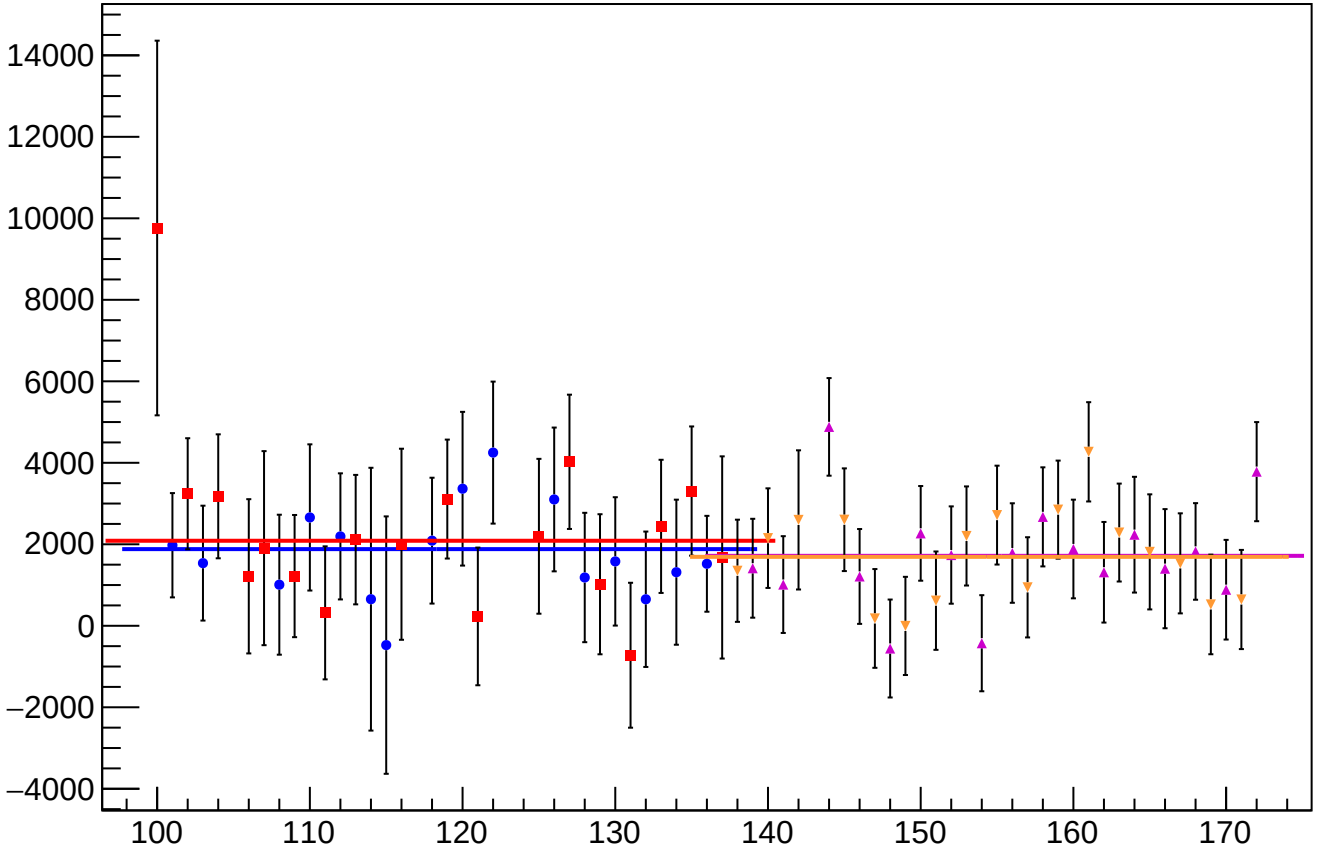
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

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

Out: 1133.111+/-0.187 χ^2/NDF:4394291.9/34

All: 1134.566+/-0.131 χ^2/NDF: 8766837.6/67

dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1692.182+/-302.650 χ^2/NDF:13.9/16

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: 1704.731+/-211.763 χ^2/NDF: 32.9/33

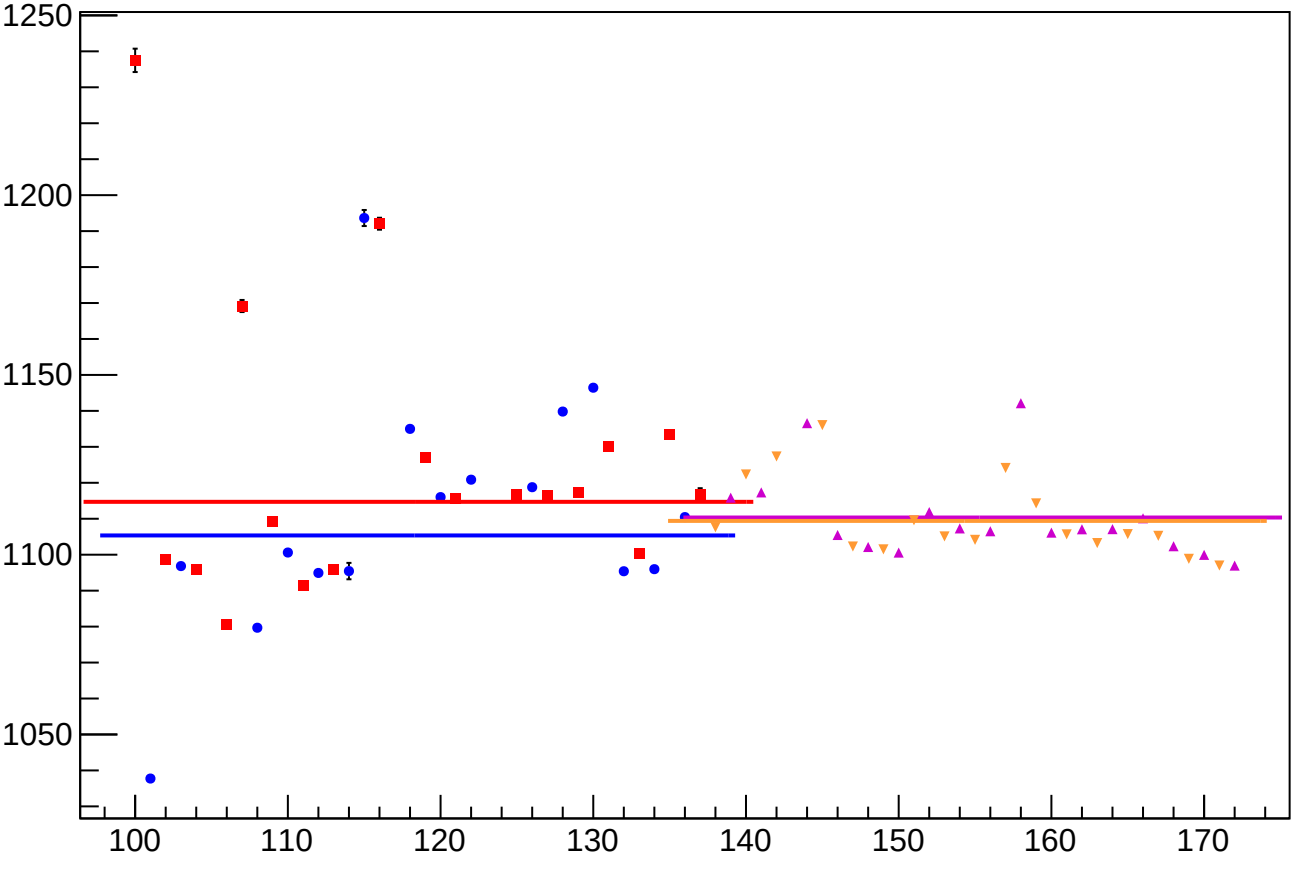
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

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

Out: 1831.053+/-243.660 χ^2/NDF:26.9/34

All: 1801.727+/-171.110 χ^2/NDF: 51.2/67

dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1109.401+/-0.214 χ^2/NDF:2343.4/16

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

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

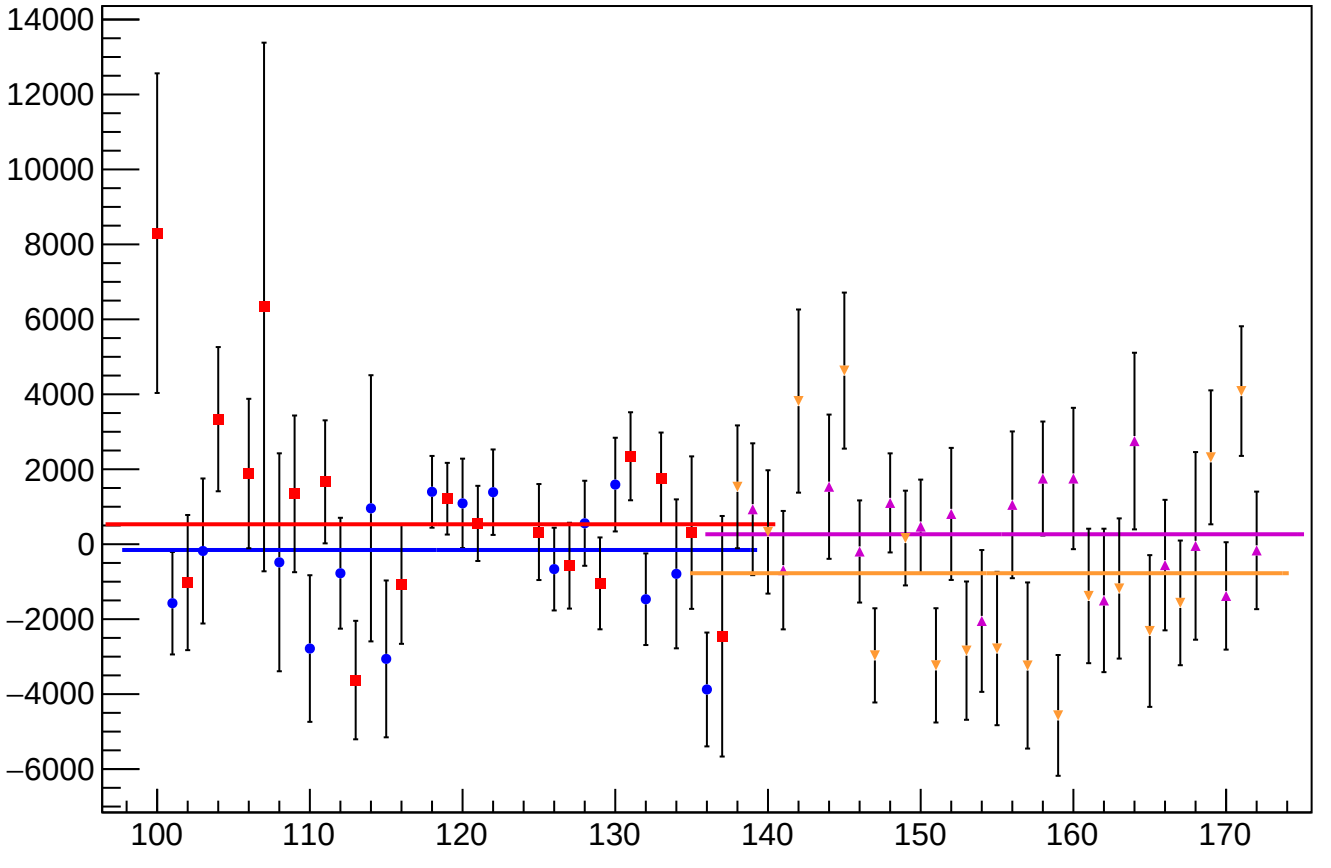
Left: 1109.880+/-0.150 χ^2/NDF: 5621.3/33

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

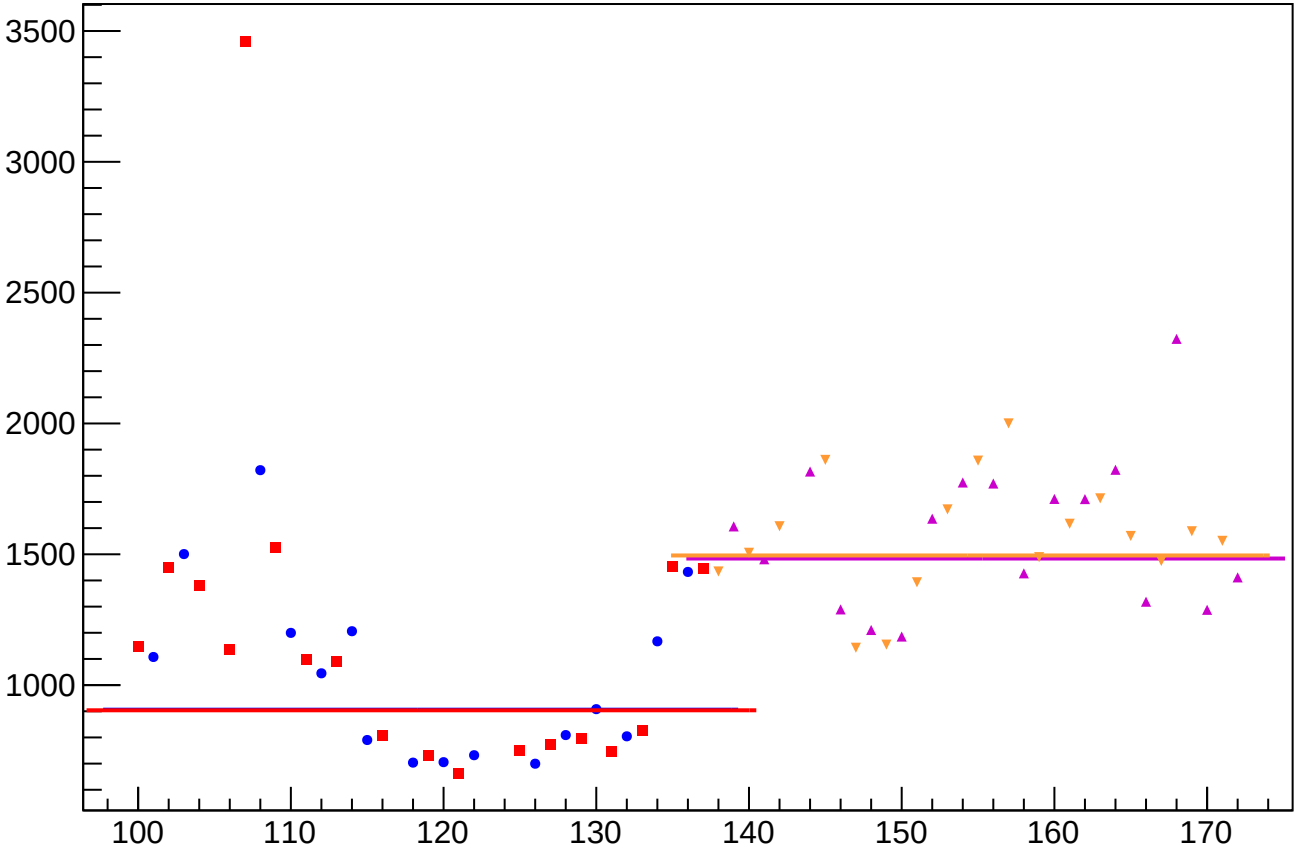
In: 1108.633+/-0.170 χ^2/NDF:14792.7/32

Out: 1111.267+/-0.172 χ^2/NDF:9889.8/34

All: 1109.932+/-0.121 χ^2/NDF: 24801.0/67


asym_usl_dit_correction_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -153.999+/-351.318 χ²/NDF: 20.5/15
Left Out: -773.938+/-415.256 χ²/NDF:39.7/16
Right Out: 532.155+/-350.407 χ²/NDF: 23.2/17
Left In: 265.684+/-403.105 χ²/NDF:8.4/16
Left: -238.695+/-289.239 χ²/NDF: 51.4/33
Right: 189.968+/-248.097 χ²/NDF: 45.6/33
In: 27.168+/-264.849 χ²/NDF:29.5/32
Out: -11.059+/-267.802 χ²/NDF:68.7/34
All: 8.267+/-188.312 χ²/NDF: 98.2/67

asym_usl_dit_correction_rms vs Slug, Sign Corrected



Right In: 906.036+/-0.248 χ^2/NDF: 1079435.1/15

Left Out: 1495.509+/-0.294 χ^2/NDF:612139.8/16

Right Out: 903.753+/-0.248 χ^2/NDF: 1339982.2/17

Left In: 1483.821+/-0.285 χ^2/NDF:799959.5/16

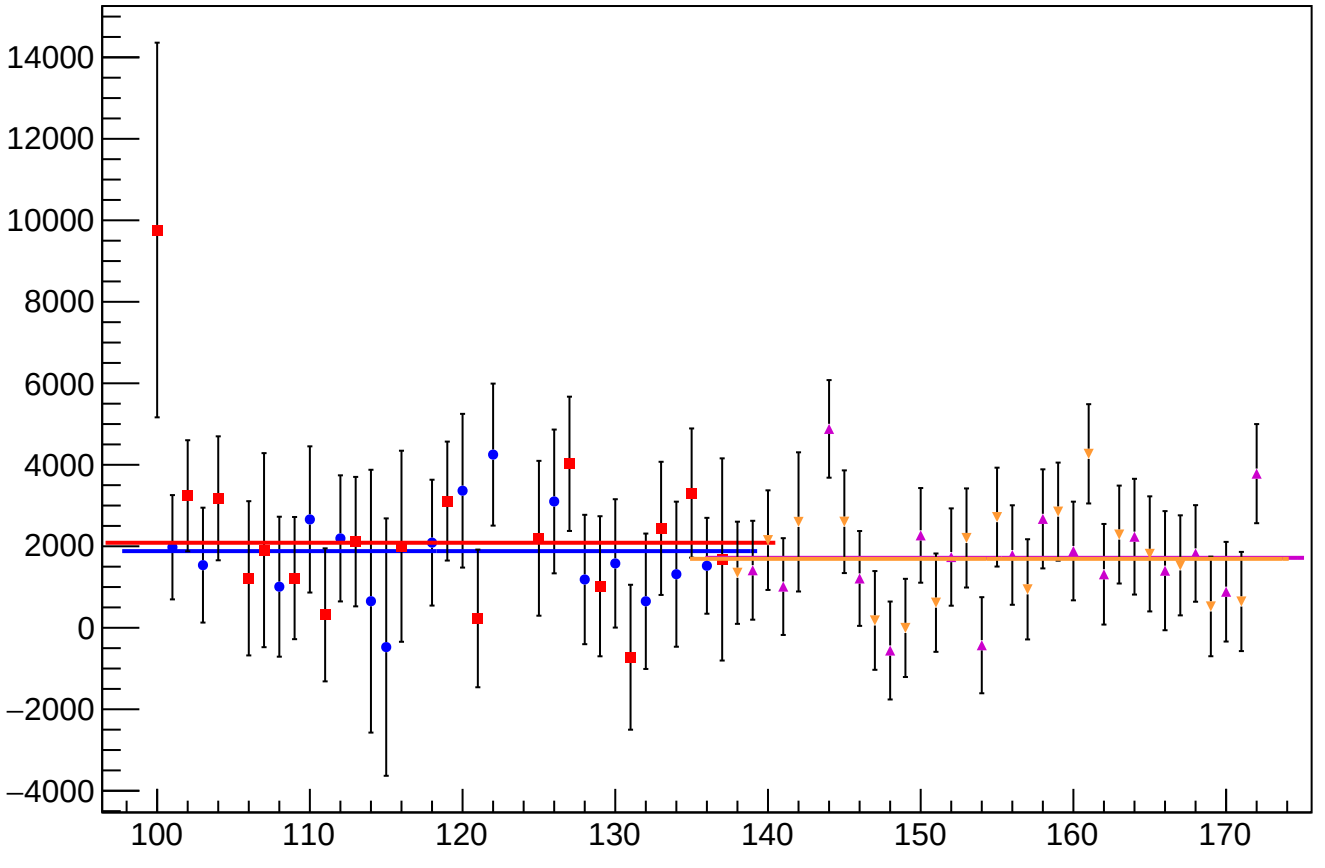
Left: 1489.492+/-0.205 χ^2/NDF: 1412915.0/33

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

In: 1155.452+/-0.187 χ^2/NDF:4214583.6/32

Out: 1149.869+/-0.189 χ^2/NDF:4324400.0/34

All: 1152.691+/-0.133 χ^2/NDF: 8539423.2/67



Right In: 1881.523+/-410.700 χ^2/NDF: 5.2/15

Left Out: 1692.178+/-302.650 χ^2/NDF:13.9/16

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: 1704.730+/-211.763 χ^2/NDF: 32.9/33

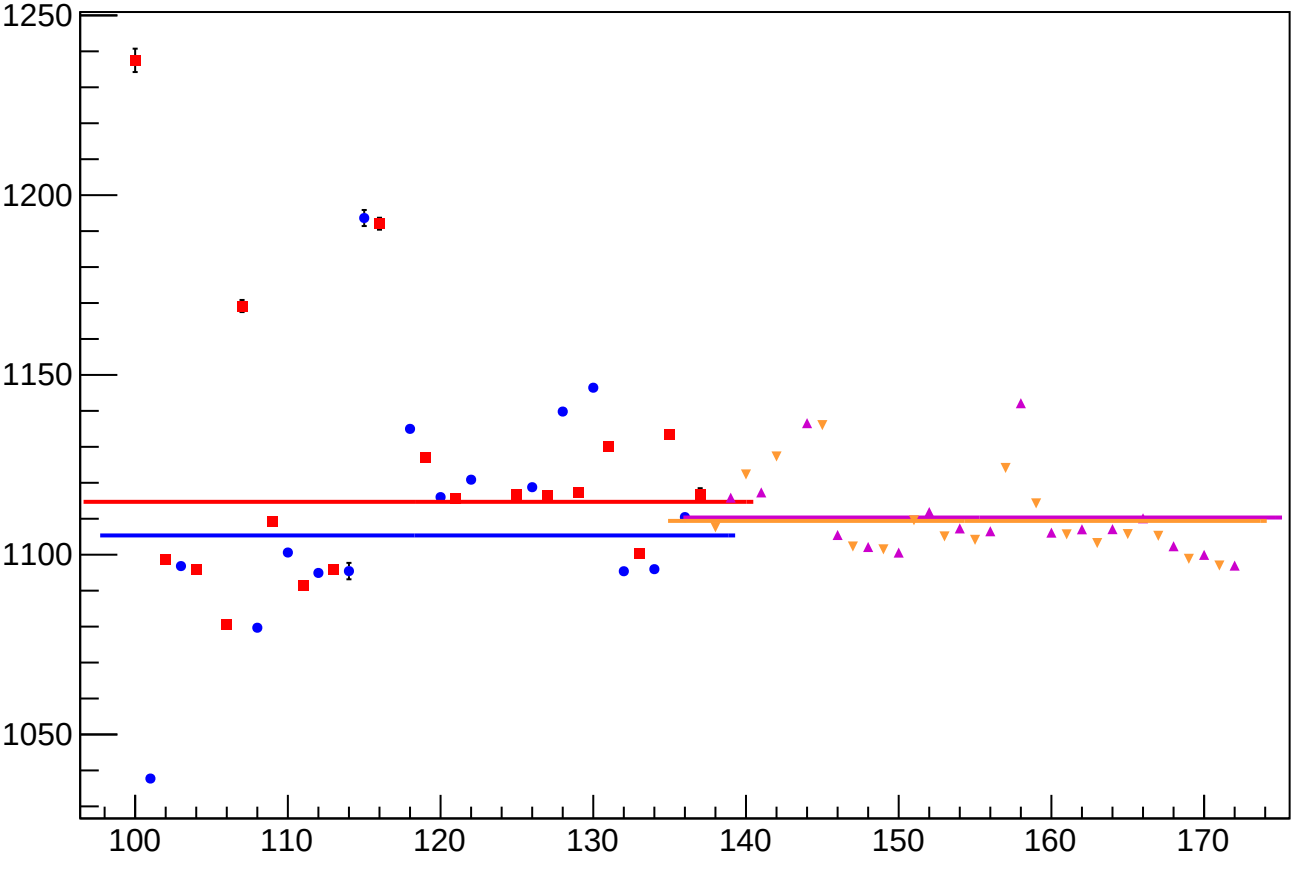
Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

In: 1773.193+/-240.348 χ^2/NDF:24.3/32

Out: 1831.049+/-243.660 χ^2/NDF:26.9/34

All: 1801.725+/-171.110 χ^2/NDF: 51.2/67

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1109.401+/-0.214 χ^2/NDF:2343.4/16

Right Out: 1114.705+/-0.290 χ^2/NDF: 7330.2/17

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

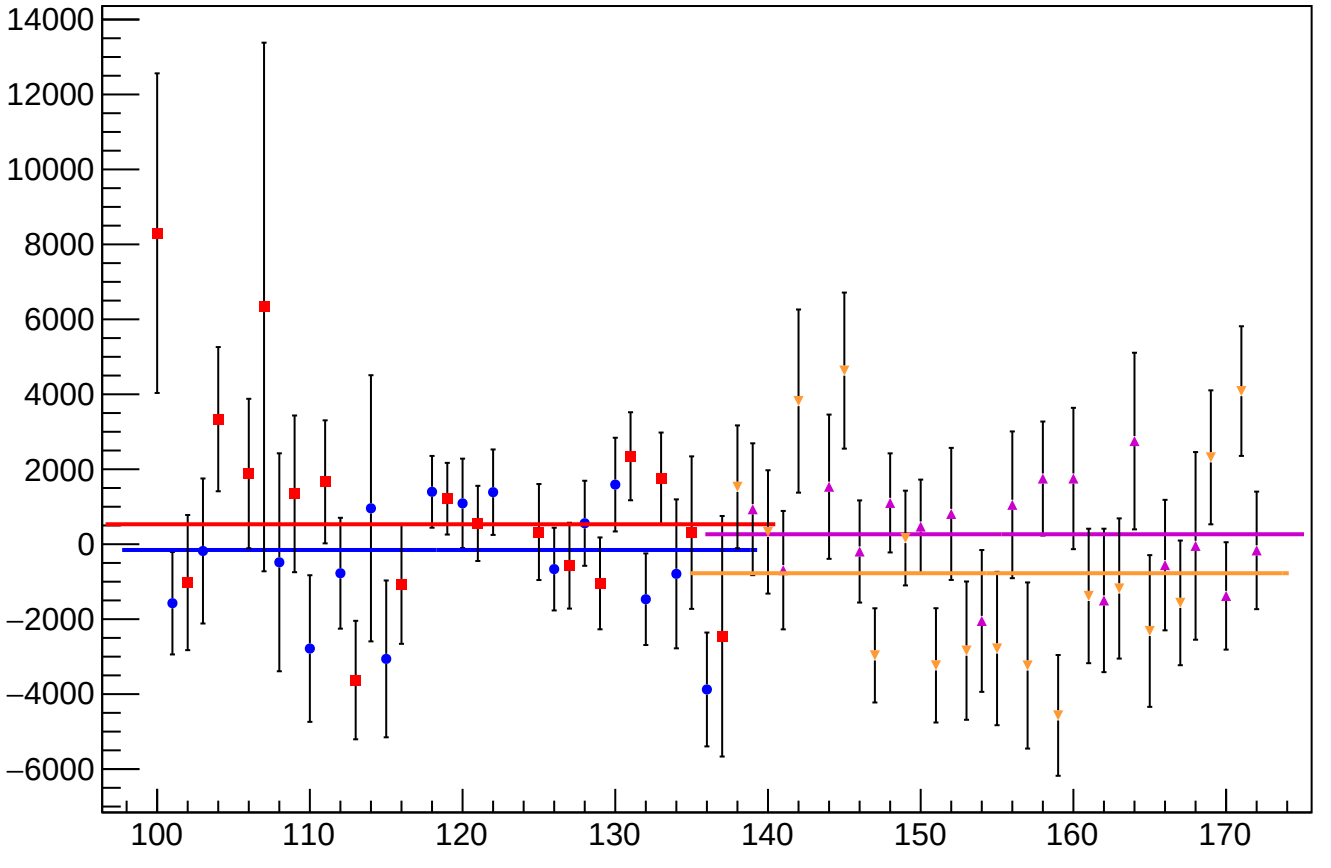
Left: 1109.880+/-0.150 χ^2/NDF: 5621.3/33

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

In: 1108.633+/-0.170 χ^2/NDF:14792.7/32

Out: 1111.267+/-0.172 χ^2/NDF:9889.8/34

All: 1109.932+/-0.121 χ^2/NDF: 24801.0/67



Right In: -153.998+/-351.317 χ^2/NDF: 20.5/15

Left Out: -773.943+/-415.256 χ^2/NDF:39.7/16

Right Out: 532.154+/-350.406 χ^2/NDF: 23.2/17

Left In: 265.685+/-403.106 χ^2/NDF:8.4/16

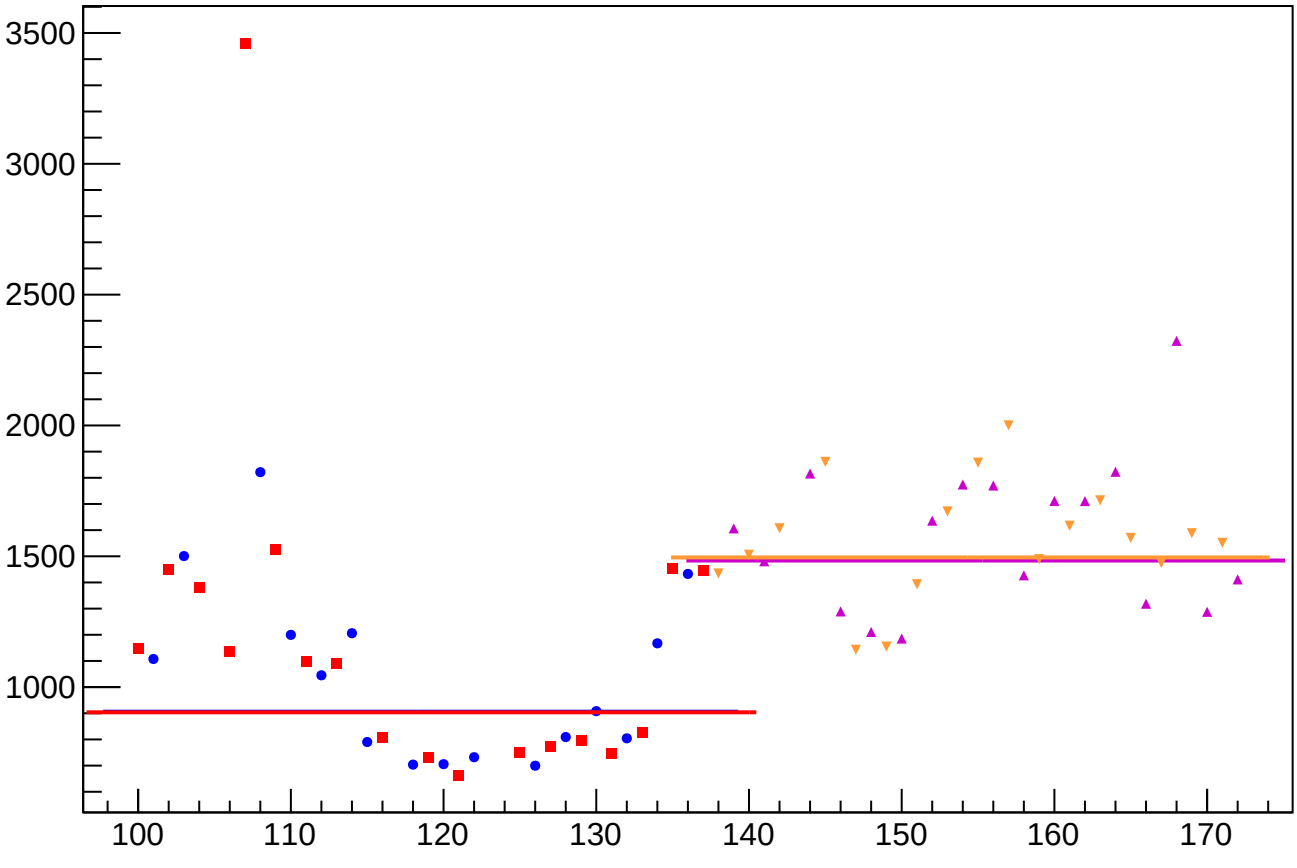
Left: -238.697+/-289.239 χ^2/NDF: 51.4/33

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

In: 27.169+/-264.848 χ^2/NDF:29.5/32

Out: -11.059+/-267.802 χ^2/NDF:68.7/34

All: 8.267+/-188.312 χ^2/NDF: 98.2/67



Right In: 906.034+/-0.248 χ^2/NDF: 1079440.1/15

Left Out: 1495.511+/-0.294 χ^2/NDF:612136.2/16

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: 1489.493+/-0.205 χ^2/NDF: 1412908.2/33

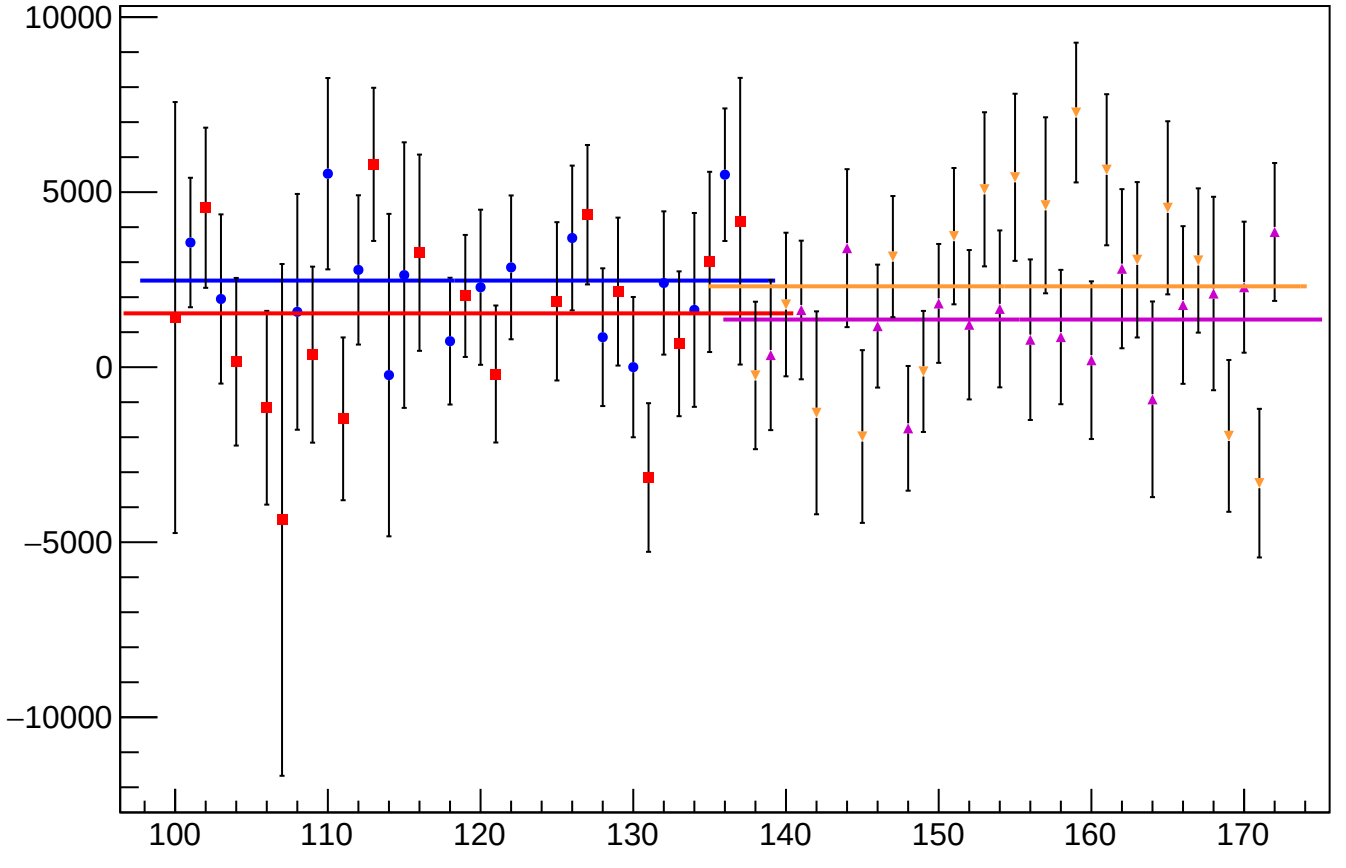
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 1155.451+/-0.187 χ^2/NDF:4214615.0/32

Out: 1149.867+/-0.189 χ^2/NDF:4324432.0/34

All: 1152.690+/-0.133 χ^2/NDF: 8539486.5/67

asym_usl_mean vs Slug, Sign Corrected



Right In: 2474.066+/-562.796 χ^2/NDF: 8.2/15

Left Out: 2309.942+/-518.403 χ^2/NDF:33.5/16

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: 1822.939+/-361.625 χ^2/NDF: 42.9/33

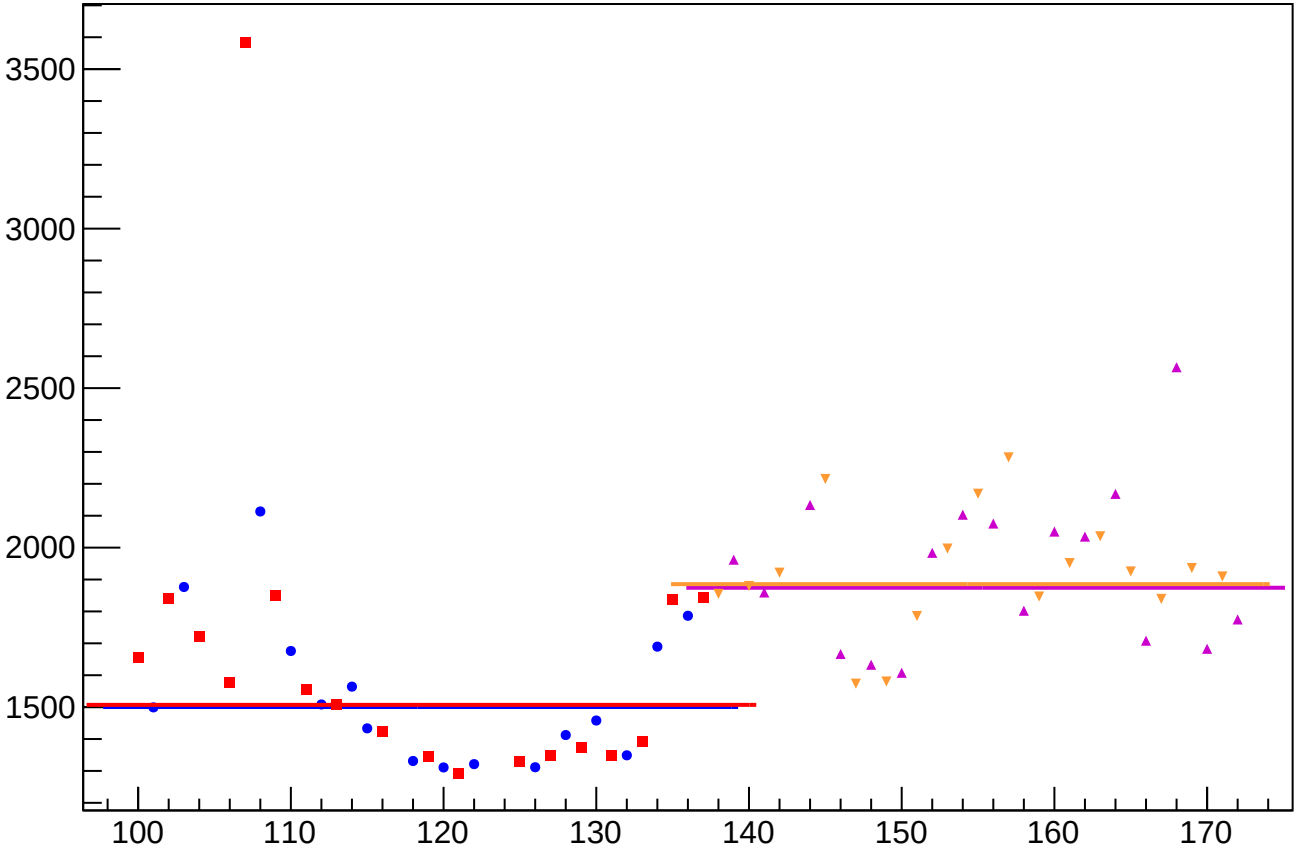
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1857.325+/-375.744 χ^2/NDF:18.0/32

Out: 1955.872+/-381.532 χ^2/NDF:53.1/34

All: 1905.845+/-267.714 χ^2/NDF: 71.1/67

asym_usl_rms vs Slug, Sign Corrected



Right In: 1500.377+/-0.398 χ^2/NDF: 258792.8/15

Left Out: 1885.478+/-0.367 χ^2/NDF:266975.8/16

Right Out: 1507.098+/-0.398 χ^2/NDF: 401227.7/17

Left In: 1874.196+/-0.357 χ^2/NDF:394679.7/16

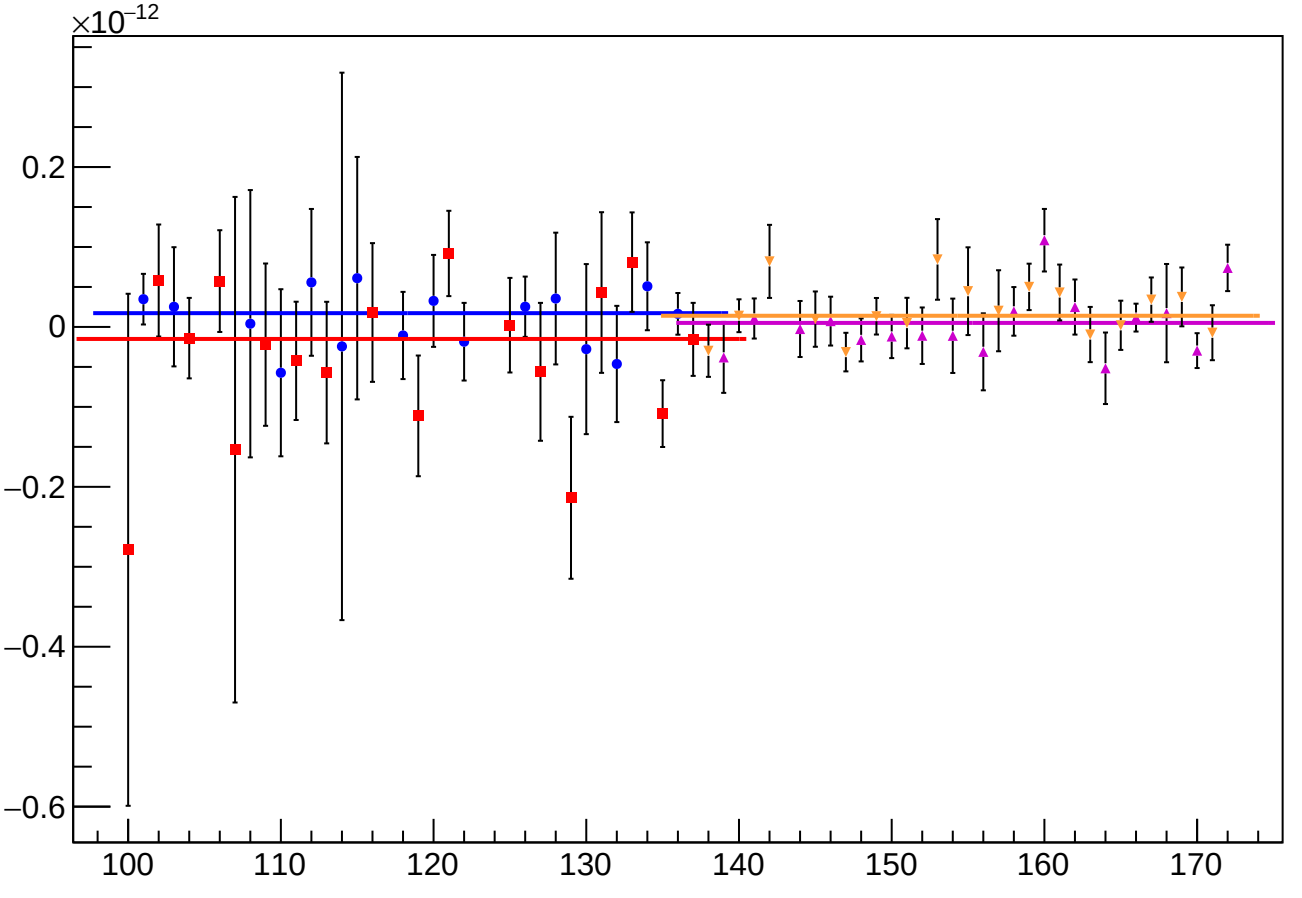
Left: 1879.686+/-0.256 χ^2/NDF: 662141.9/33

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

In: 1707.569+/-0.266 χ^2/NDF:1142532.5/32

Out: 1712.052+/-0.270 χ^2/NDF:1156563.8/34

All: 1709.776+/-0.189 χ^2/NDF: 2299236.4/67



Right In: 0.000+/-0.000 χ^2/NDF: 3.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.1/16

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/17

Left In: 0.000+/-0.000 χ^2/NDF:20.4/16

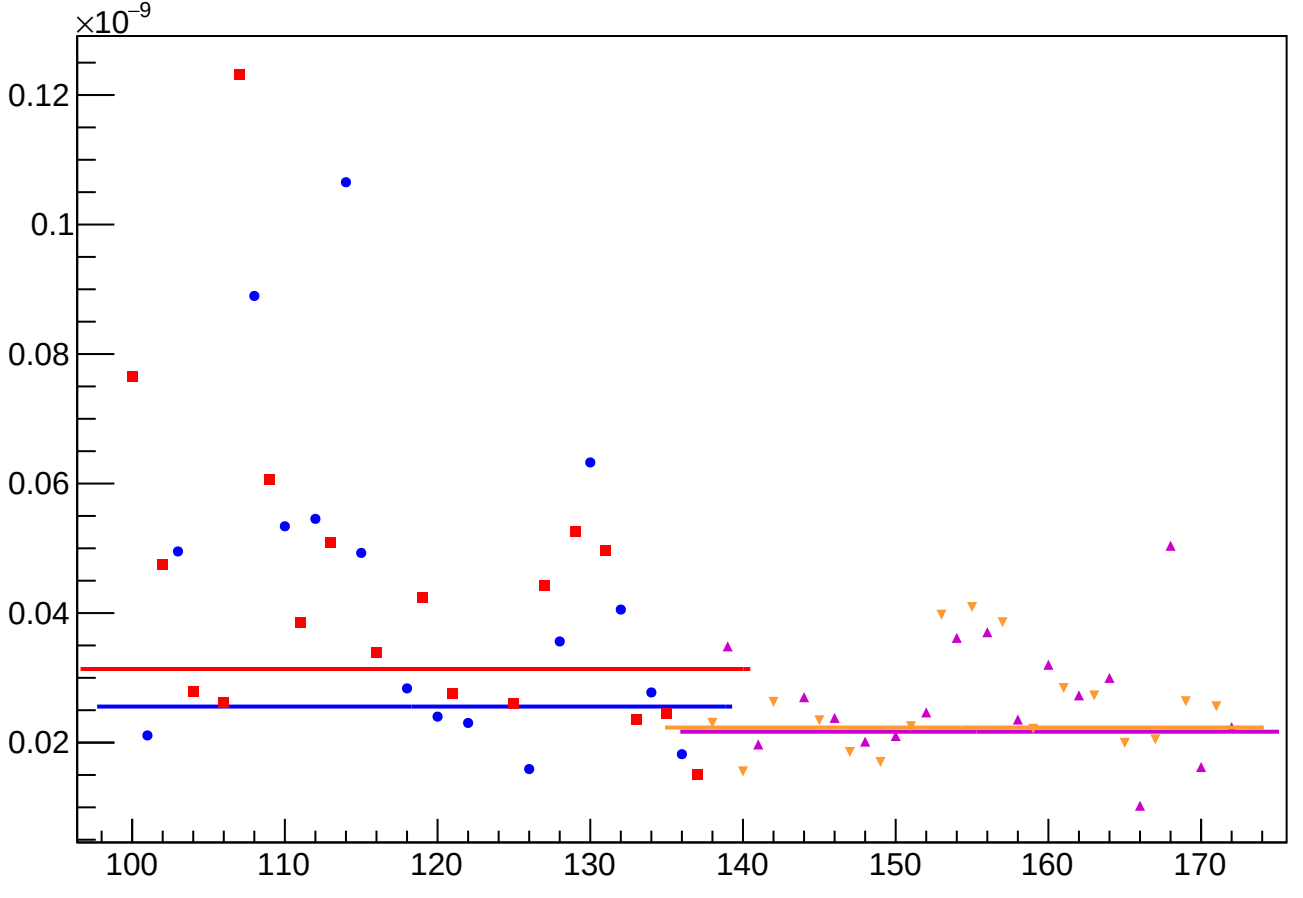
Left: 0.000+/-0.000 χ^2/NDF: 35.3/33

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:38.1/34

All: 0.000+/-0.000 χ^2/NDF: 62.5/67



Right In: 0.000+/-0.000 χ^2/NDF: 1707801.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1232777.7/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1228078.8/17

Left In: 0.000+/-0.000 χ^2/NDF:2356936.5/16

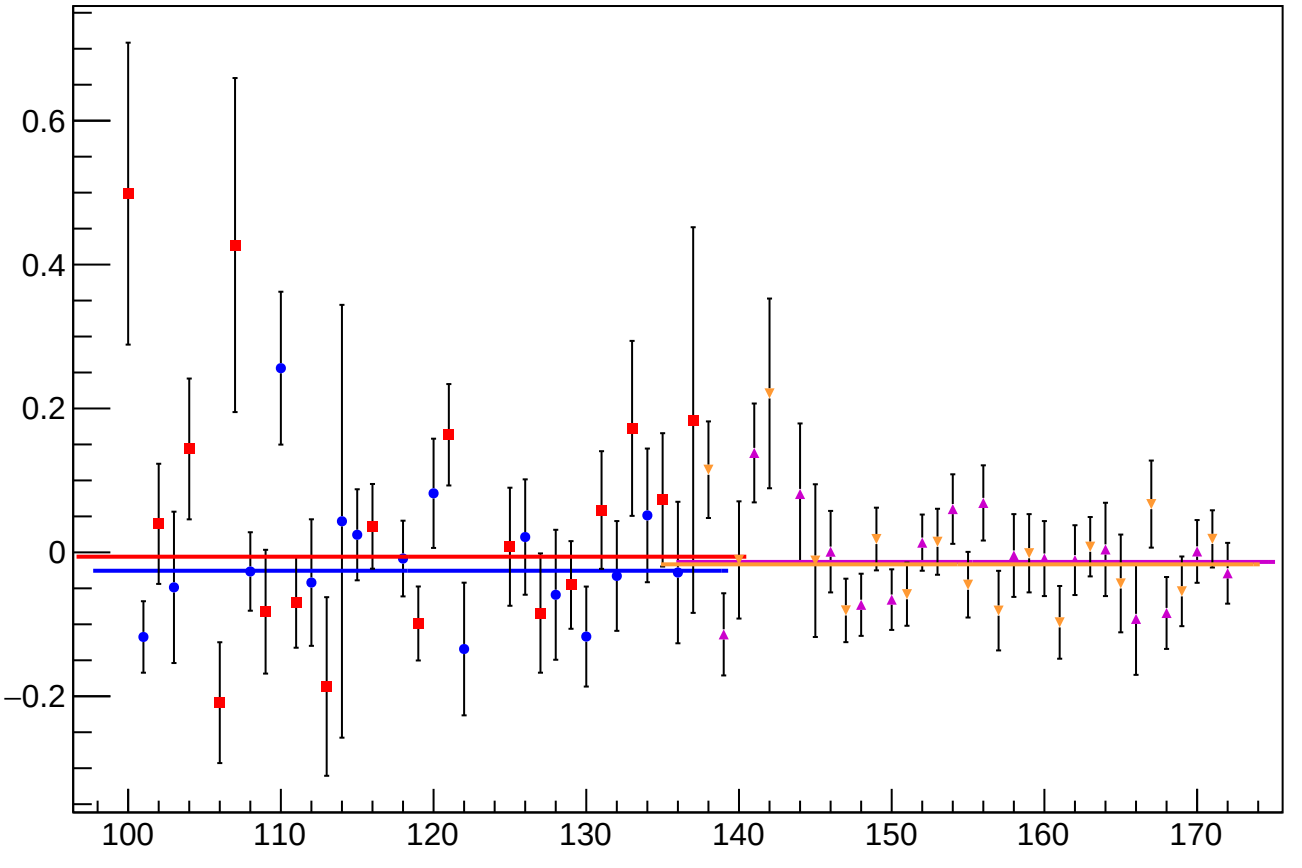
Left: 0.000+/-0.000 χ^2/NDF: 3597244.8/33

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:2975007.7/34

All: 0.000+/-0.000 χ^2/NDF: 7211783.8/67



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.017+/-0.013 χ^2/NDF:19.4/16

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: -0.015+/-0.009 χ^2/NDF: 40.5/33

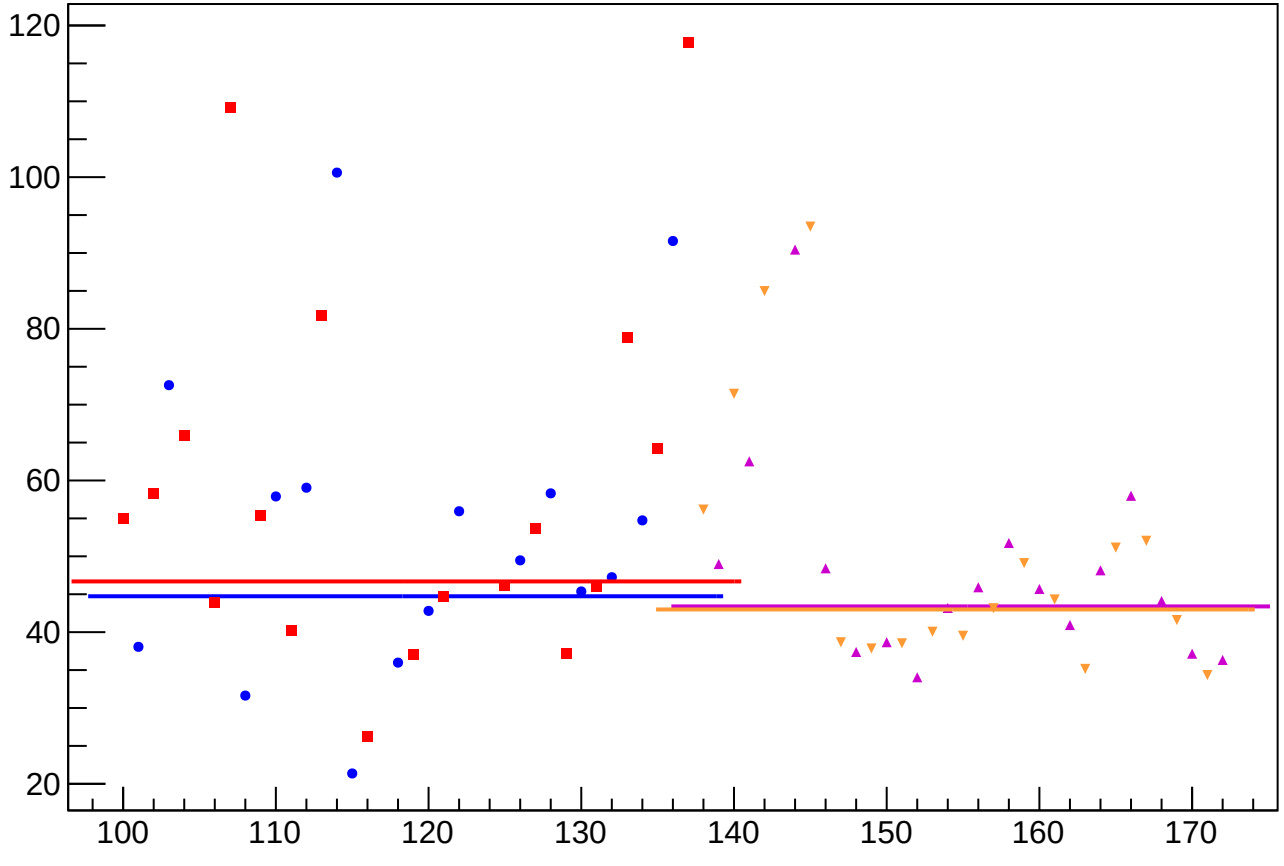
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.017+/-0.010 χ^2/NDF:39.0/32

Out: -0.013+/-0.011 χ^2/NDF:56.1/34

All: -0.015+/-0.007 χ^2/NDF: 95.2/67

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: 42.991+/-0.009 χ^2/NDF:1332063.2/16

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 43.394+/-0.009 χ^2/NDF:1063481.5/16

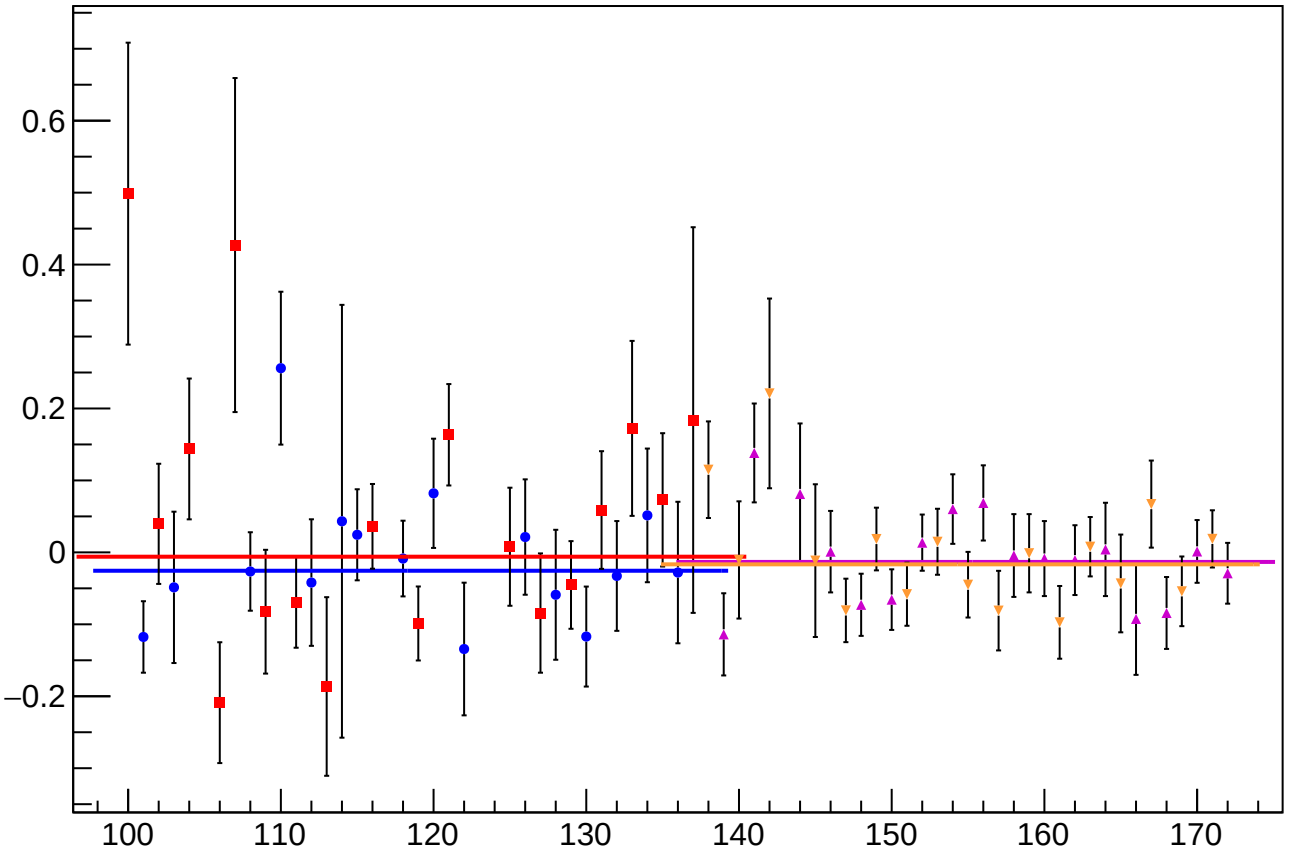
Left: 43.197+/-0.006 χ^2/NDF: 2396576.4/33

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

In: 43.803+/-0.007 χ^2/NDF:2405094.5/32

Out: 44.098+/-0.008 χ^2/NDF:2578529.0/34

All: 43.947+/-0.005 χ^2/NDF: 4984417.2/67



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.017+/-0.013 χ^2/NDF:19.4/16

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.013+/-0.012 χ^2/NDF:21.1/16

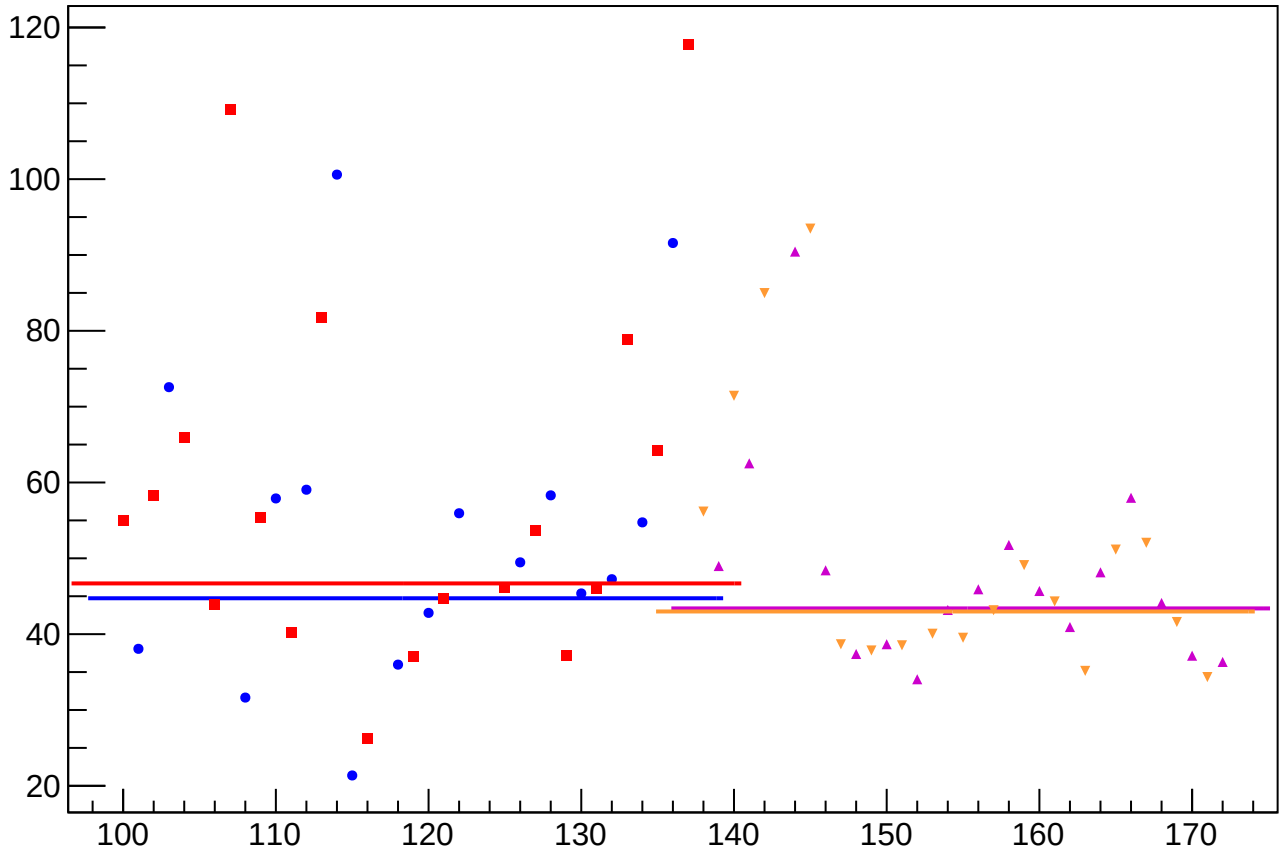
Left: -0.015+/-0.009 χ^2/NDF: 40.5/33

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

In: -0.017+/-0.010 χ^2/NDF:39.0/32

Out: -0.013+/-0.011 χ^2/NDF:56.1/34

All: -0.015+/-0.007 χ^2/NDF: 95.2/67



Right In: 44.733+/-0.013 χ^2/NDF: 1334541.9/15

Left Out: 42.991+/-0.009 χ^2/NDF:1332063.2/16

Right Out: 46.691+/-0.014 χ^2/NDF: 1195464.6/17

Left In: 43.394+/-0.009 χ^2/NDF:1063481.5/16

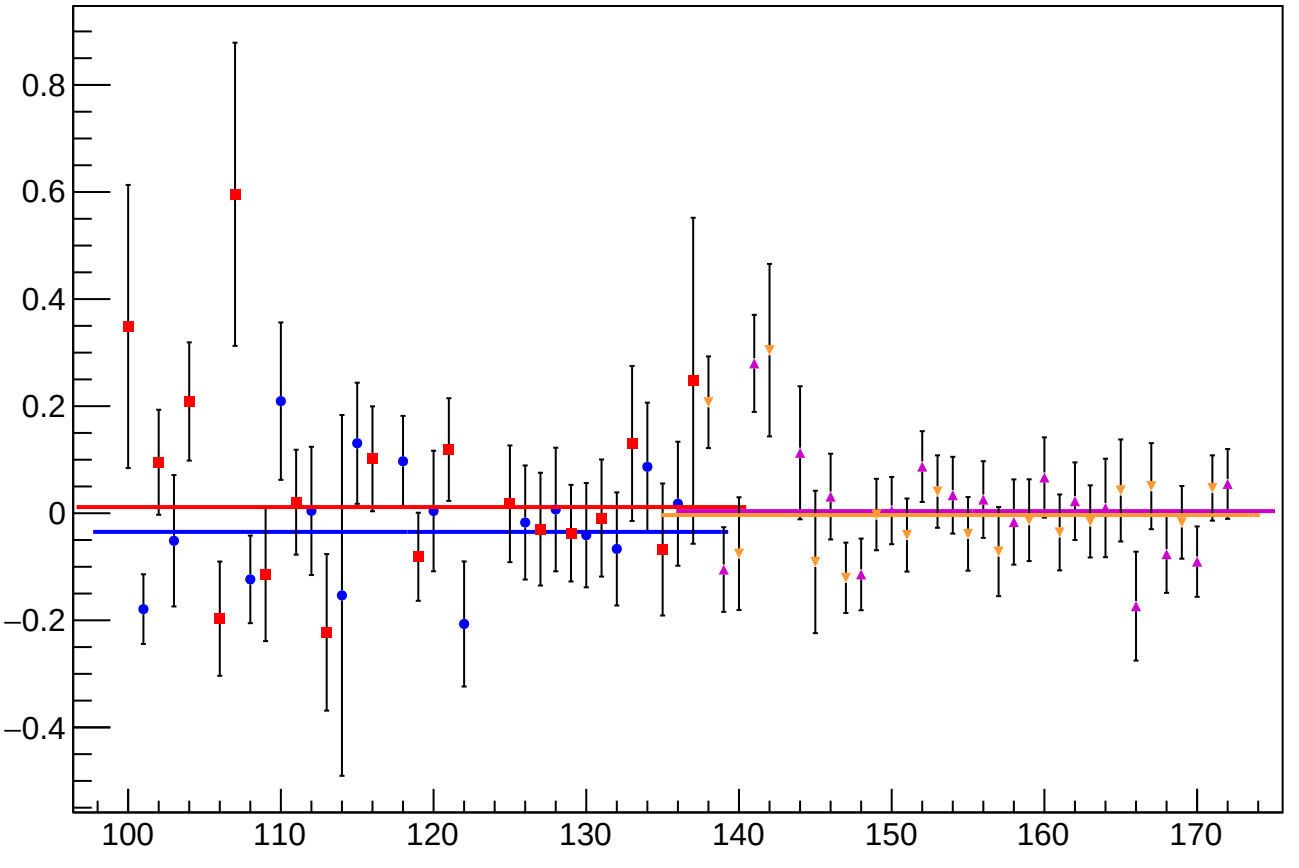
Left: 43.197+/-0.006 χ^2/NDF: 2396576.4/33

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

In: 43.803+/-0.007 χ^2/NDF:2405094.5/32

Out: 44.098+/-0.008 χ^2/NDF:2578529.0/34

All: 43.947+/-0.005 χ^2/NDF: 4984417.2/67



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.003+/-0.019 χ^2/NDF:17.1/16

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.004+/-0.018 χ^2/NDF:24.8/16

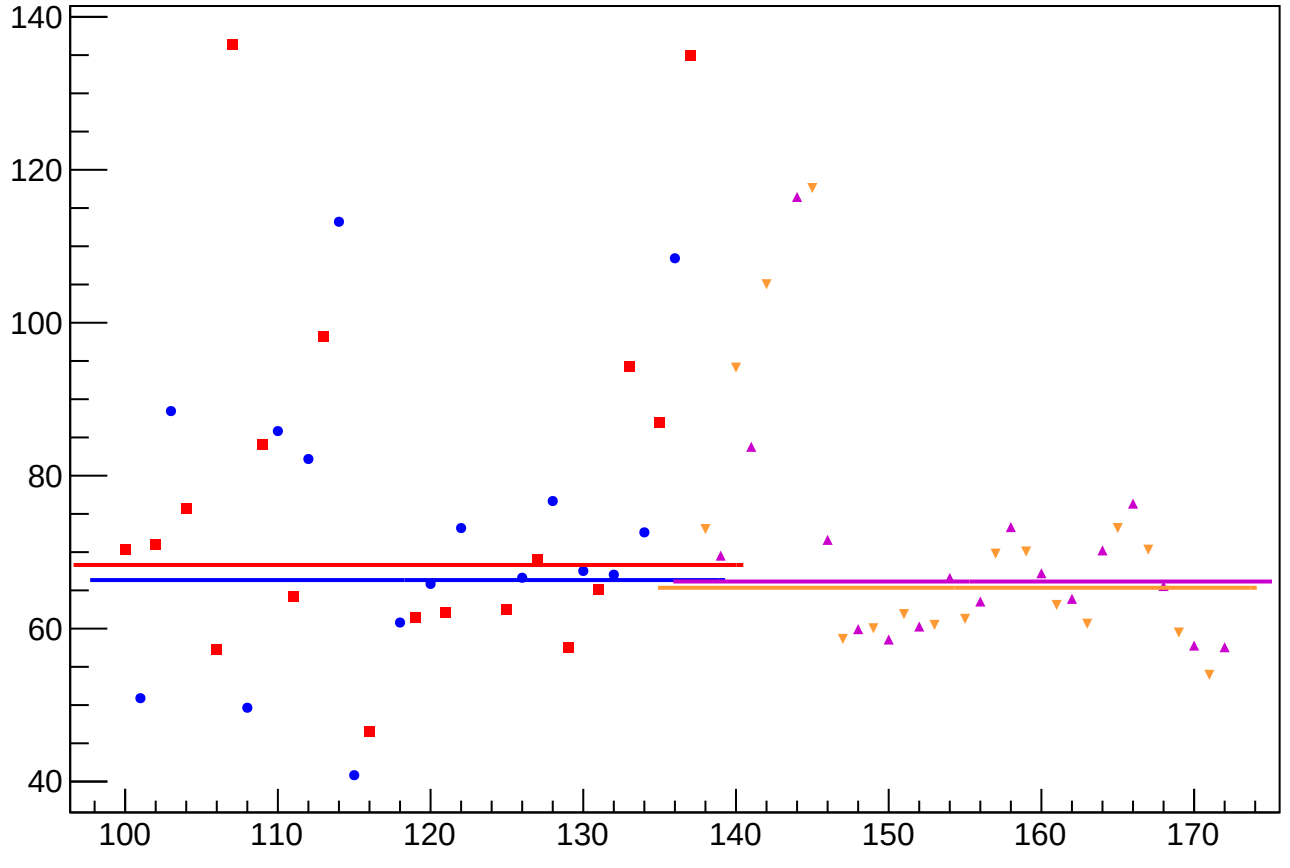
Left: 0.000+/-0.013 χ^2/NDF: 42.0/33

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:40.1/34

All: -0.004+/-0.011 χ^2/NDF: 84.0/67



Right In: 66.348+/-0.019 χ^2/NDF: 772653.3/15

Left Out: 65.340+/-0.013 χ^2/NDF:782602.5/16

Right Out: 68.322+/-0.019 χ^2/NDF: 629670.0/17

Left In: 66.159+/-0.013 χ^2/NDF:590464.0/16

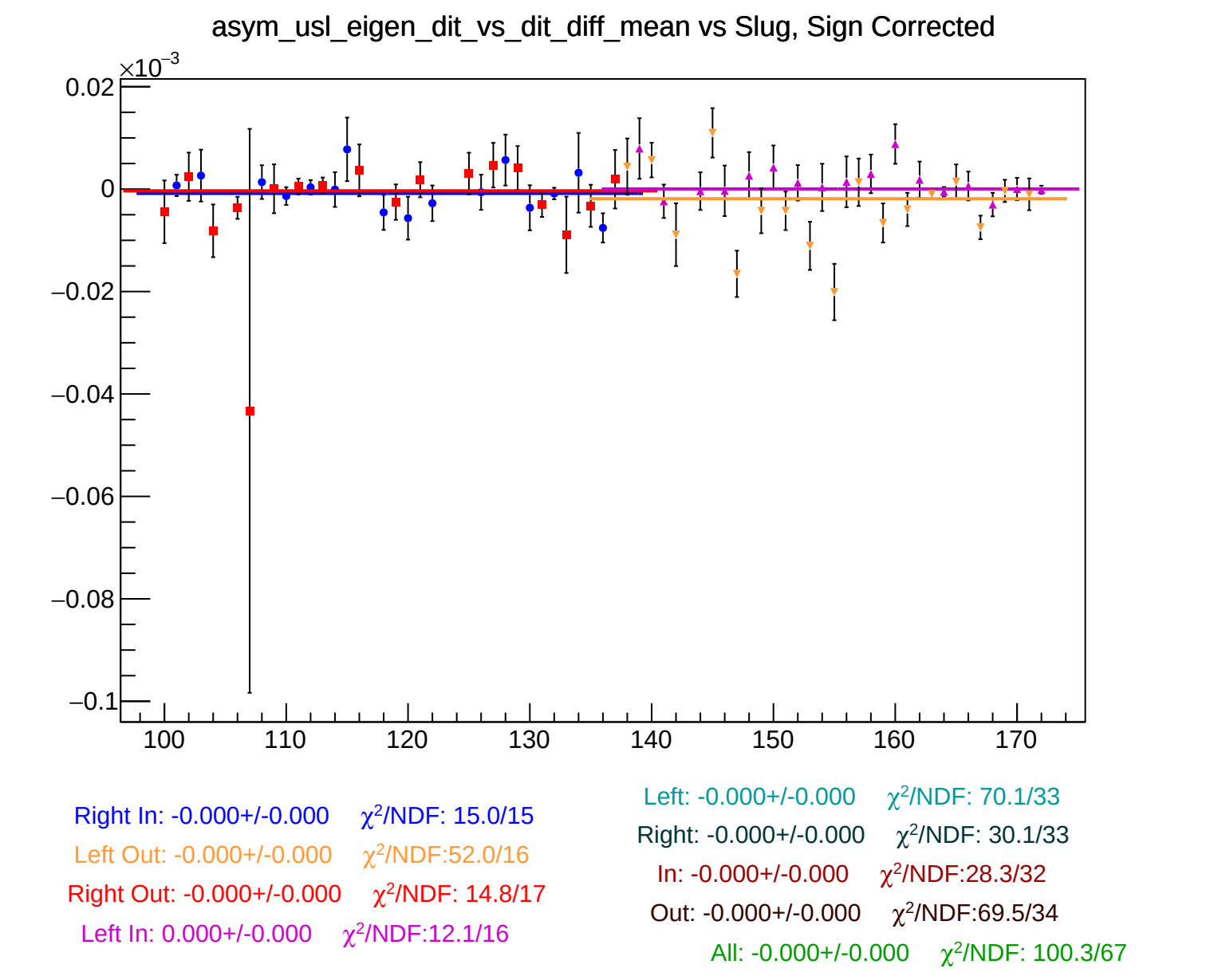
Left: 65.756+/-0.009 χ^2/NDF: 1375044.0/33

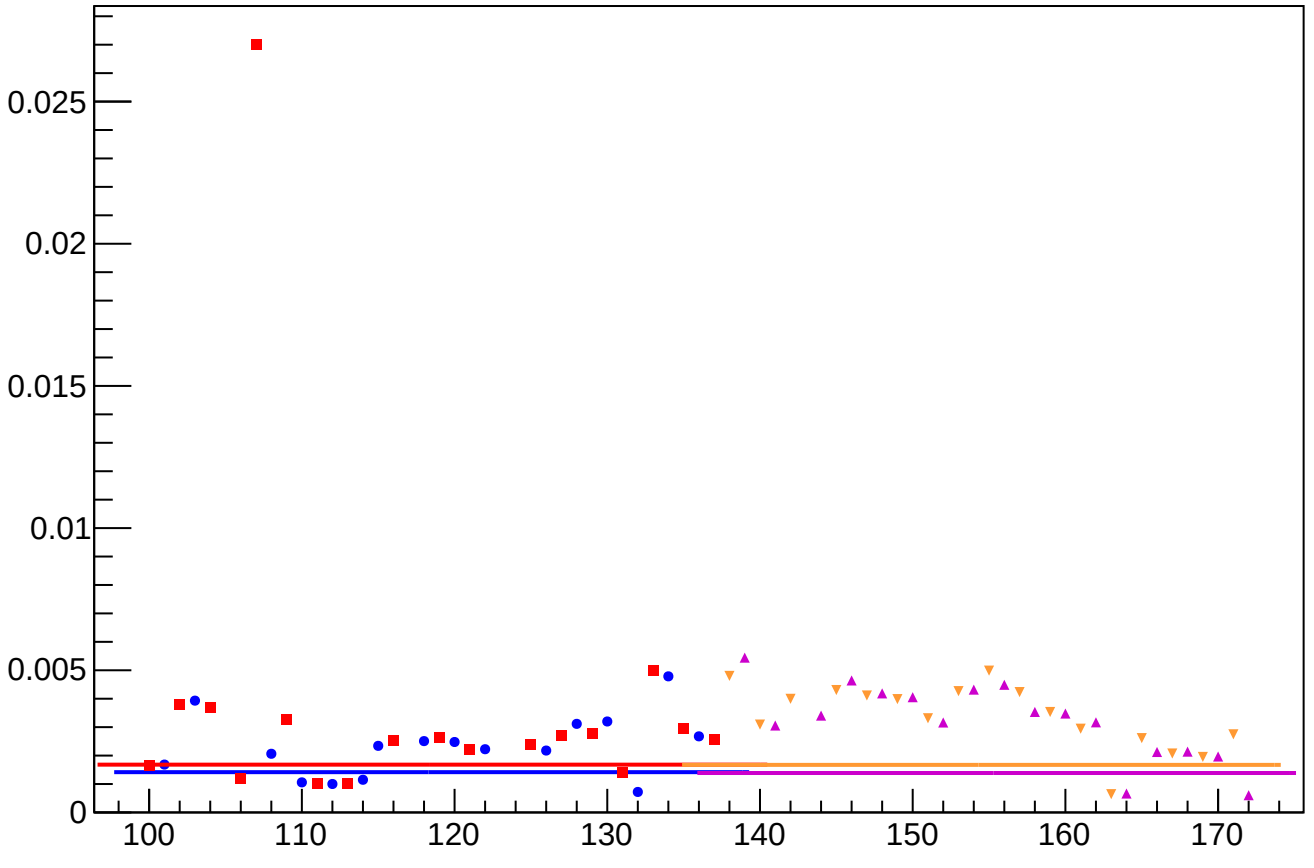
Right: 67.312+/-0.013 χ^2/NDF: 1407833.1/33

In: 66.221+/-0.011 χ^2/NDF:1363187.2/32

Out: 66.301+/-0.011 χ^2/NDF:1428926.0/34

All: 66.260+/-0.008 χ^2/NDF: 2792141.3/67


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:52.0/16
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: 70.1/33
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:69.5/34
All: -0.000+/-0.000 χ²/NDF: 100.3/67



Right In: 0.001+/-0.000 χ^2/NDF: 3547259.2/15

Left Out: 0.002+/-0.000 χ^2/NDF:10087033.5/16

Right Out: 0.002+/-0.000 χ^2/NDF: 3427218.5/17

Left In: 0.001+/-0.000 χ^2/NDF:11888020.4/16

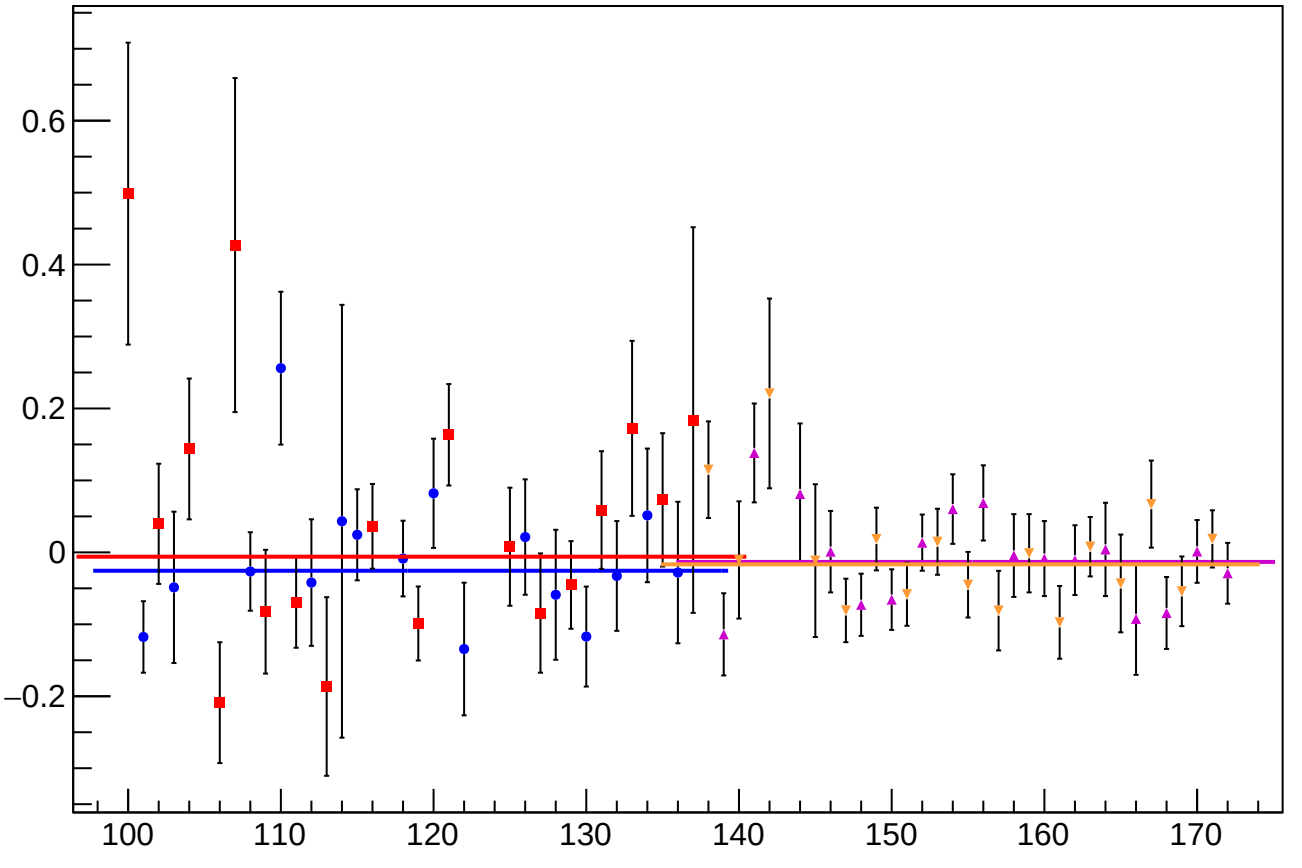
Left: 0.002+/-0.000 χ^2/NDF: 22246803.5/33

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

In: 0.001+/-0.000 χ^2/NDF:15438044.5/32

Out: 0.002+/-0.000 χ^2/NDF:13514395.5/34

All: 0.002+/-0.000 χ^2/NDF: 29377816.2/67



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.017+/-0.013 χ^2/NDF:19.4/16

Right Out: -0.006+/-0.019 χ^2/NDF: 36.5/17

Left In: -0.013+/-0.012 χ^2/NDF:21.1/16

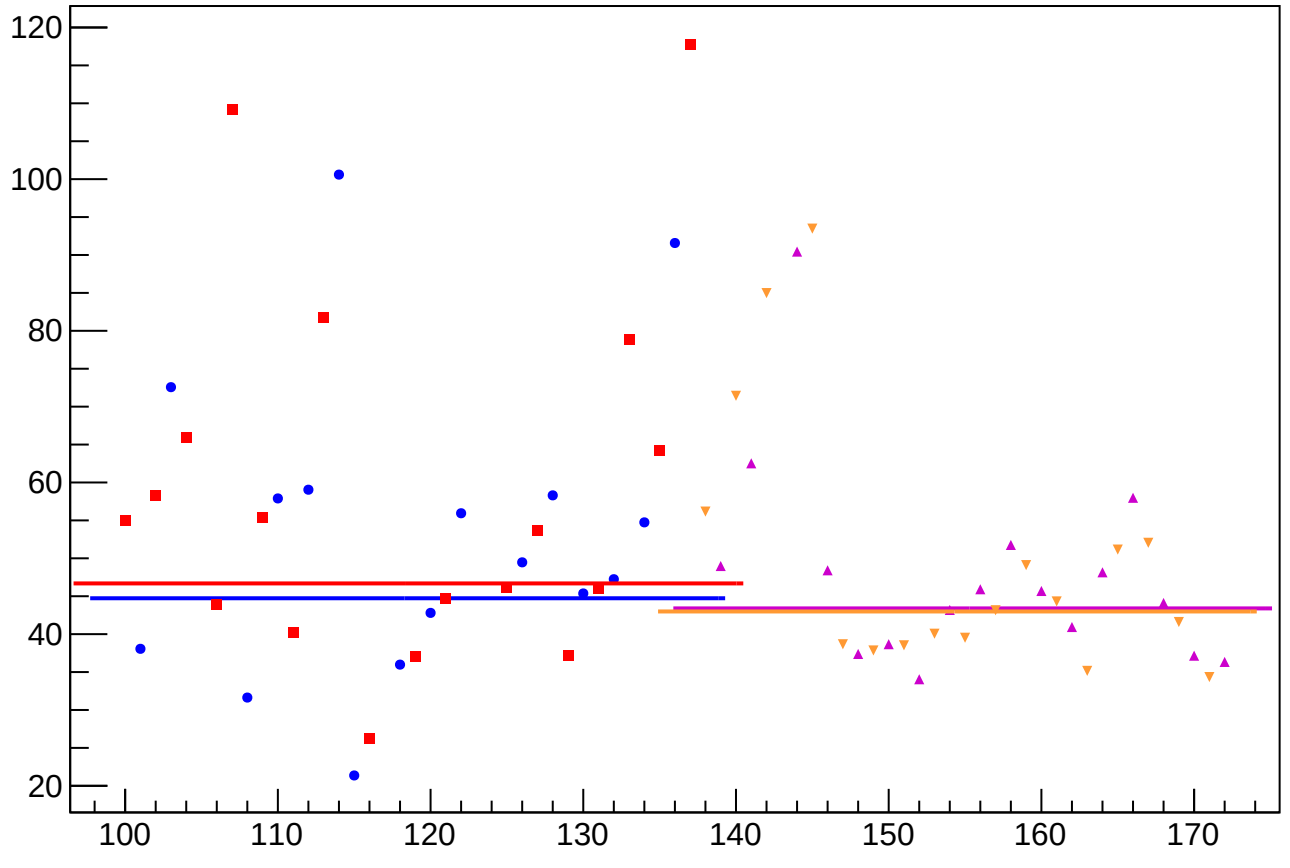
Left: -0.015+/-0.009 χ^2/NDF: 40.5/33

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

In: -0.017+/-0.010 χ^2/NDF:39.0/32

Out: -0.013+/-0.011 χ^2/NDF:56.1/34

All: -0.015+/-0.007 χ^2/NDF: 95.2/67



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 42.991+/-0.009 χ^2/NDF:1332033.4/16

Right Out: 46.690+/-0.014 χ^2/NDF: 1195504.1/17

Left In: 43.395+/-0.009 χ^2/NDF:1063457.1/16

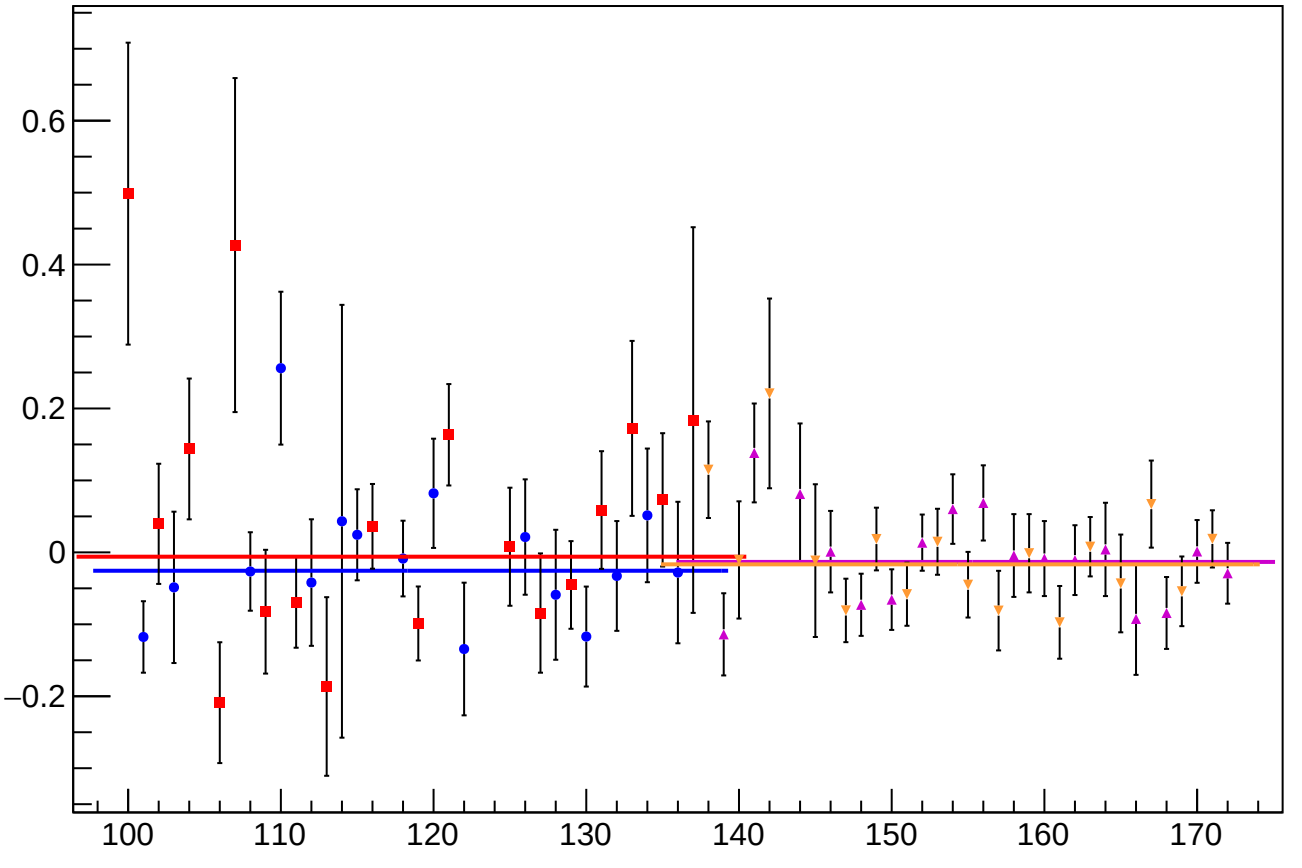
Left: 43.197+/-0.006 χ^2/NDF: 2396522.2/33

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

In: 43.803+/-0.007 χ^2/NDF:2405120.4/32

Out: 44.098+/-0.008 χ^2/NDF:2578508.9/34

All: 43.947+/-0.005 χ^2/NDF: 4984423.1/67



Right In: -0.026+/-0.019 χ^2/NDF: 17.6/15

Left Out: -0.017+/-0.013 χ^2/NDF:19.4/16

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: -0.015+/-0.009 χ^2/NDF: 40.5/33

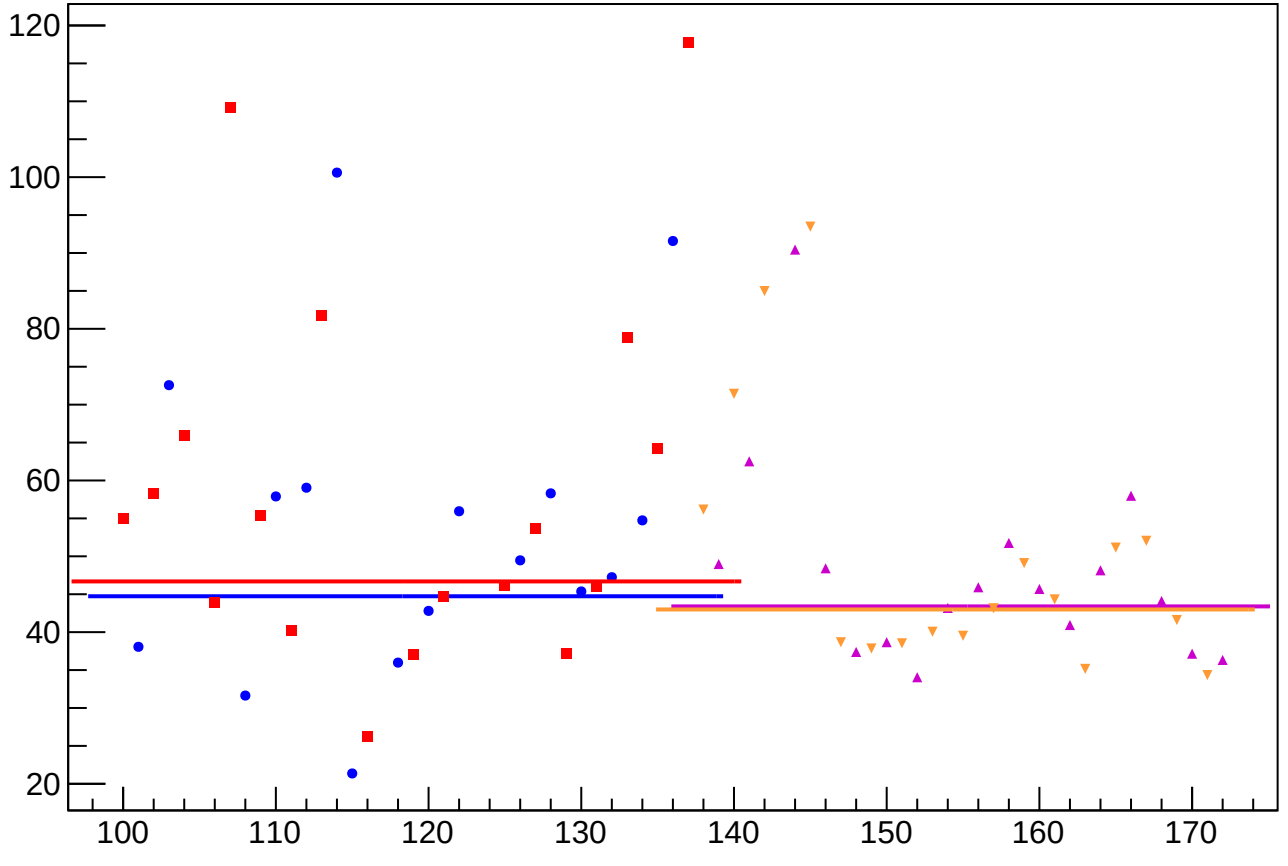
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.017+/-0.010 χ^2/NDF:39.0/32

Out: -0.013+/-0.011 χ^2/NDF:56.1/34

All: -0.015+/-0.007 χ^2/NDF: 95.2/67

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.732+/-0.013 χ^2/NDF: 1334604.0/15

Left Out: 42.991+/-0.009 χ^2/NDF:1332033.4/16

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: 43.197+/-0.006 χ^2/NDF: 2396522.2/33

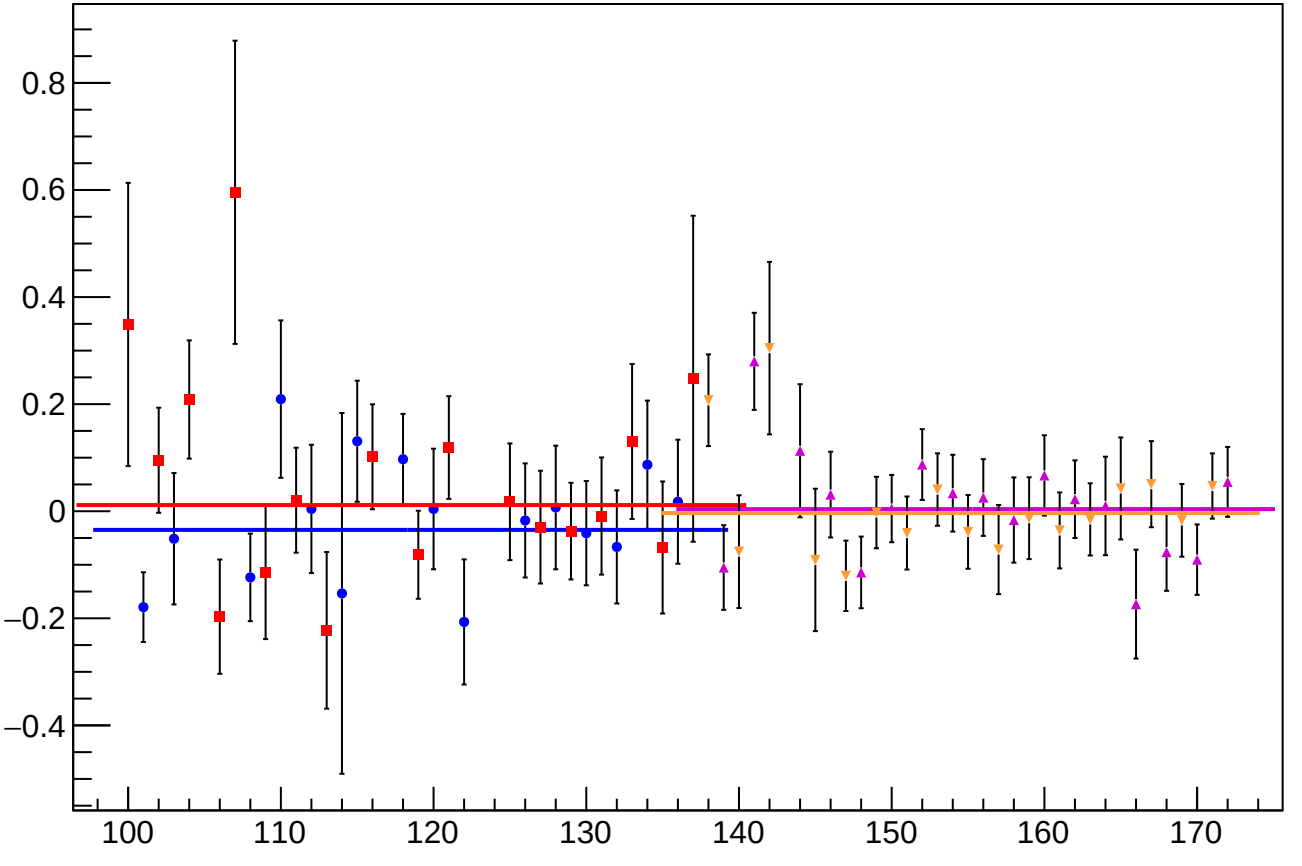
Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 43.803+/-0.007 χ^2/NDF:2405120.4/32

Out: 44.098+/-0.008 χ^2/NDF:2578508.9/34

All: 43.947+/-0.005 χ^2/NDF: 4984423.1/67

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/15

Left Out: -0.003+/-0.019 χ^2/NDF:17.1/16

Right Out: 0.012+/-0.027 χ^2/NDF: 22.8/17

Left In: 0.004+/-0.018 χ^2/NDF:24.8/16

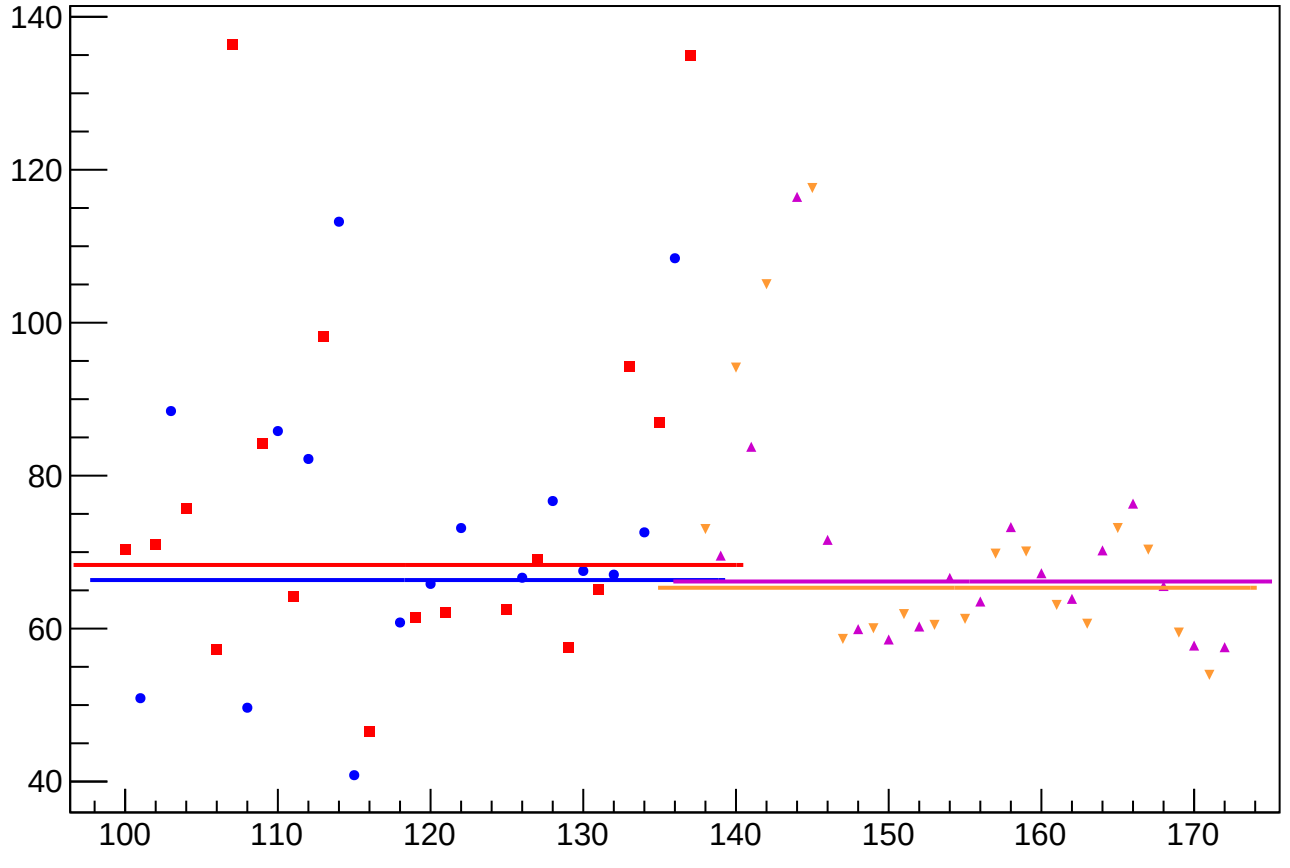
Left: 0.000+/-0.013 χ^2/NDF: 42.0/33

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:40.1/34

All: -0.004+/-0.011 χ^2/NDF: 84.0/67



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 65.340+/-0.013 χ^2/NDF:782590.4/16

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 66.159+/-0.013 χ^2/NDF:590453.2/16

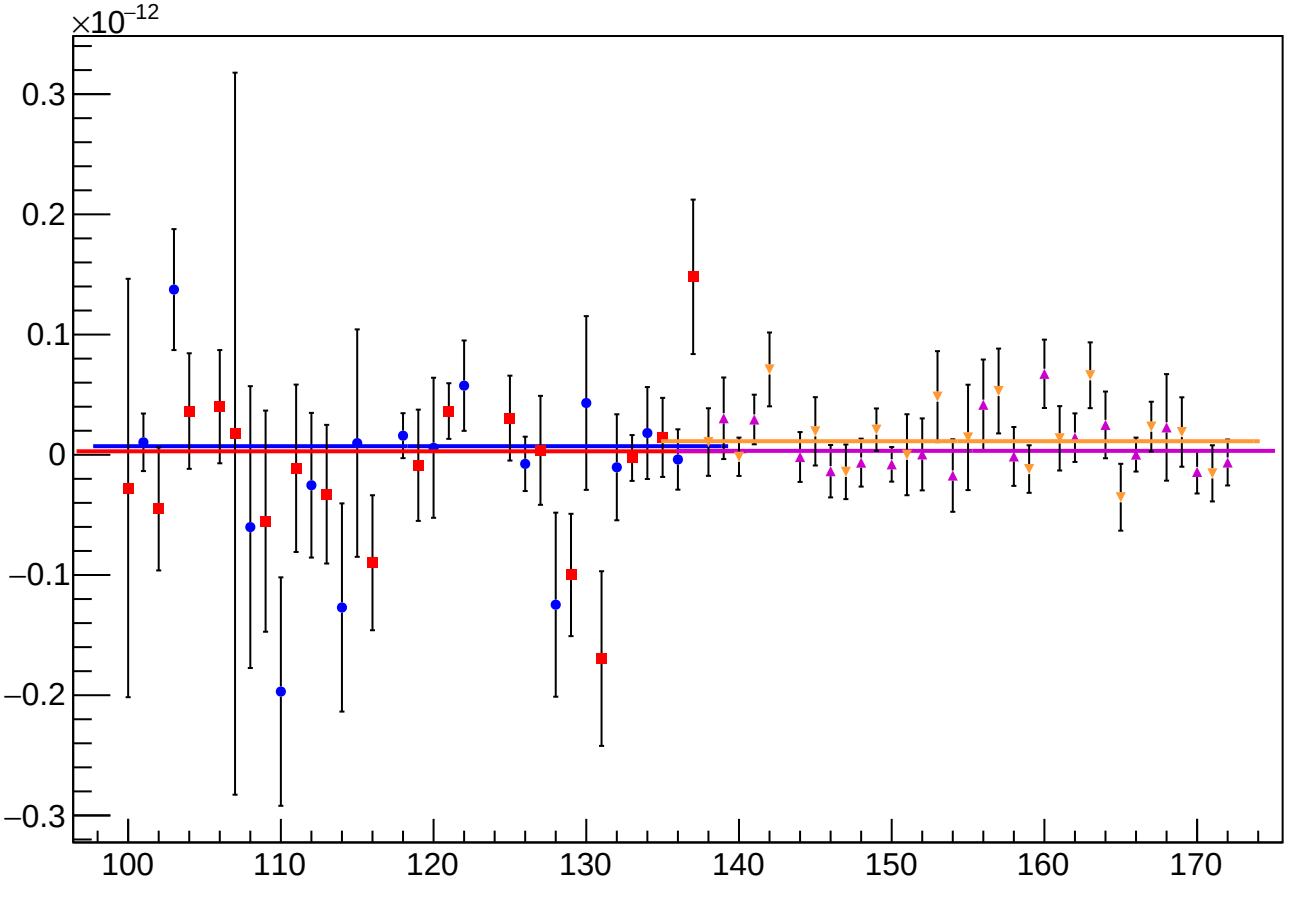
Left: 65.756+/-0.009 χ^2/NDF: 1375021.3/33

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

In: 66.221+/-0.011 χ^2/NDF:1363183.1/32

Out: 66.301+/-0.011 χ^2/NDF:1428900.8/34

All: 66.260+/-0.008 χ^2/NDF: 2792112.0/67



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

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

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: 0.000+/-0.000 χ^2/NDF:12.7/16

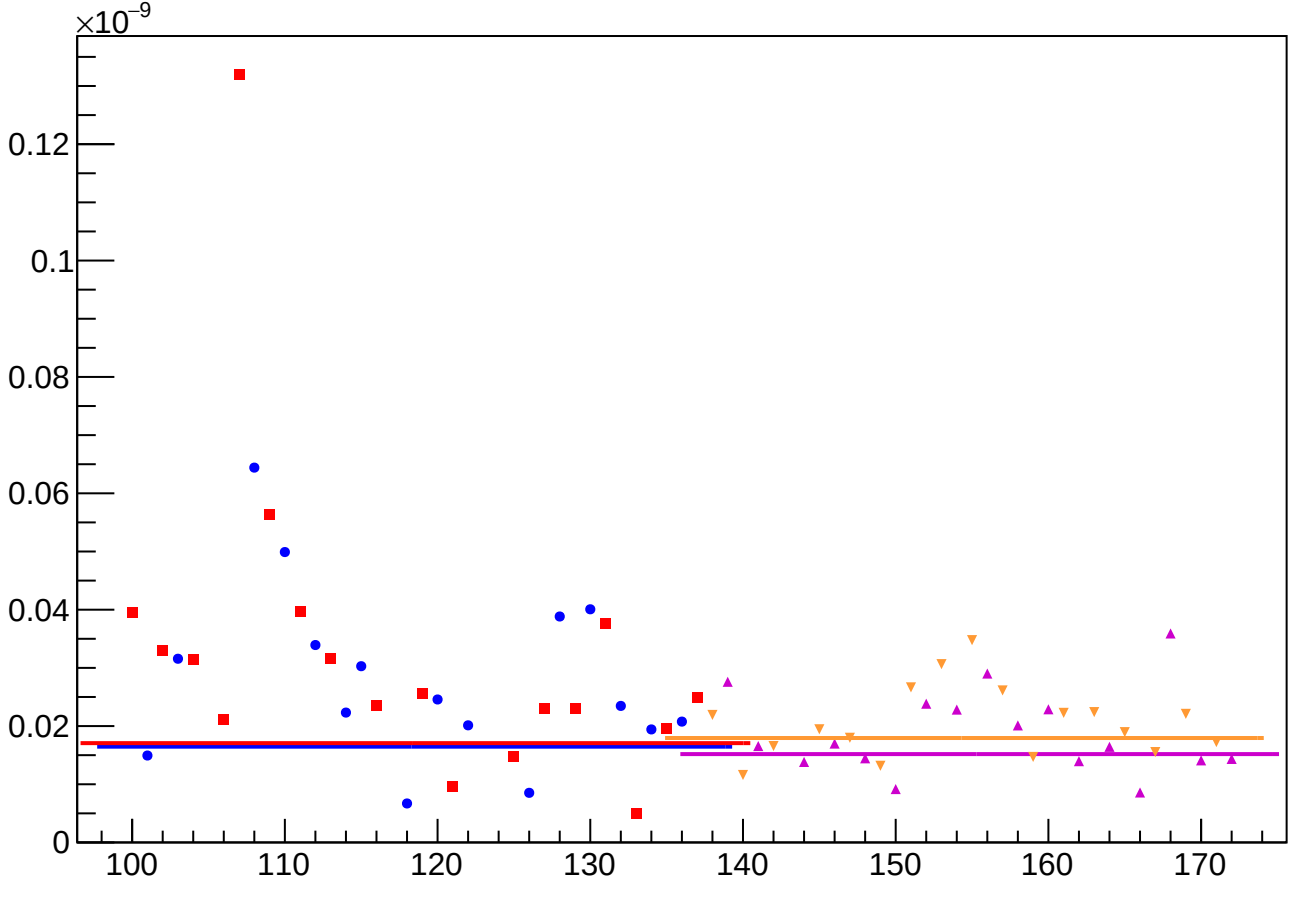
Left: 0.000+/-0.000 χ^2/NDF: 32.2/33

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:42.4/34

All: 0.000+/-0.000 χ^2/NDF: 76.2/67



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1505758.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2342284.7/16

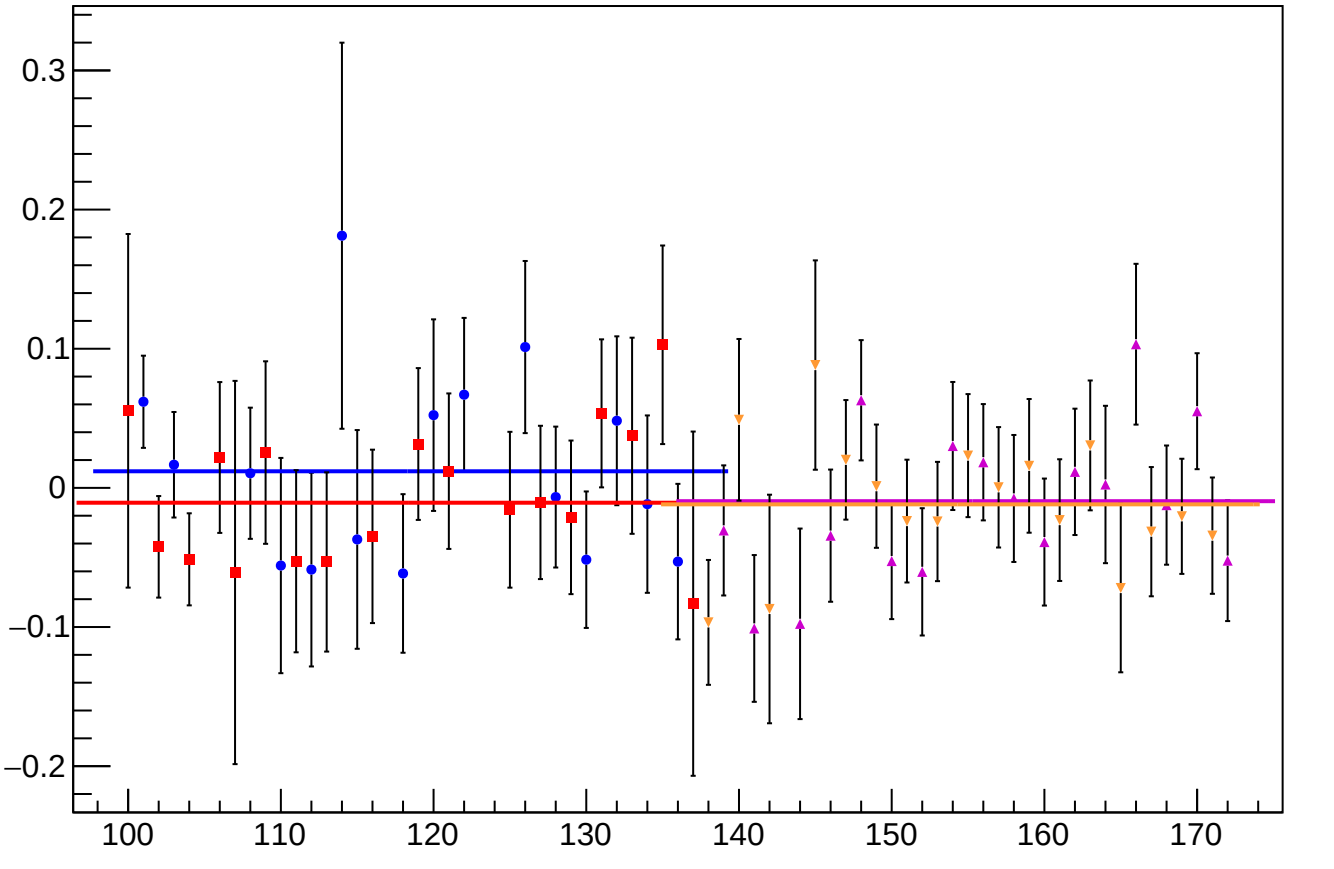
Left: 0.000+/-0.000 χ^2/NDF: 4086236.2/33

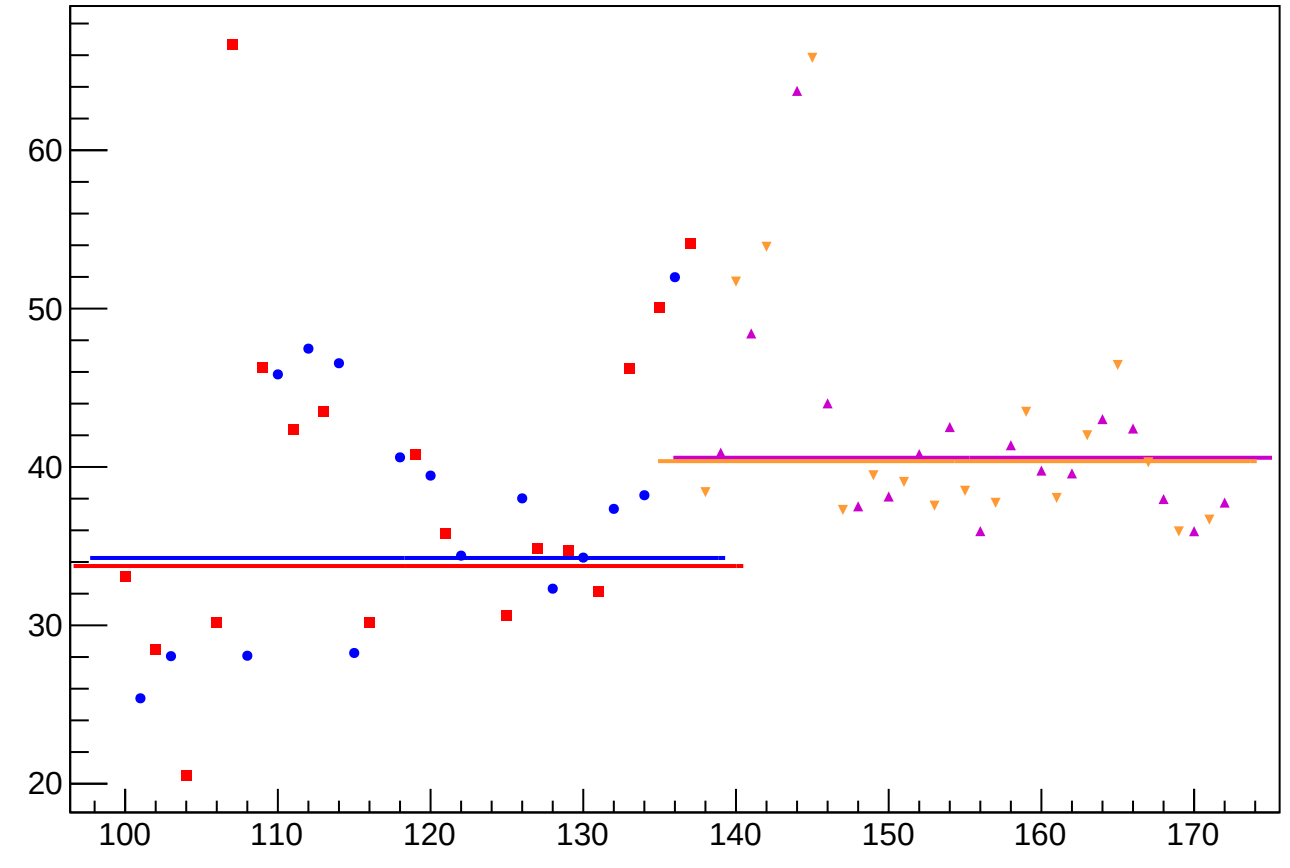
Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:4717188.0/32

Out: 0.000+/-0.000 χ^2/NDF:4308786.9/34

All: 0.000+/-0.000 χ^2/NDF: 9231866.1/67


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: -0.012+/-0.011 χ²/NDF:11.5/16
Right Out: -0.011+/-0.013 χ²/NDF: 9.9/17
Left In: -0.010+/-0.011 χ²/NDF:19.3/16
Left: -0.011+/-0.008 χ²/NDF: 30.8/33
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.001+/-0.009 χ²/NDF:35.5/32
Out: -0.011+/-0.009 χ²/NDF:21.4/34
All: -0.006+/-0.006 χ²/NDF: 57.7/67



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

Left Out: 40.368+/-0.008 χ^2/NDF:471151.0/16

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

Left In: 40.582+/-0.008 χ^2/NDF:377529.4/16

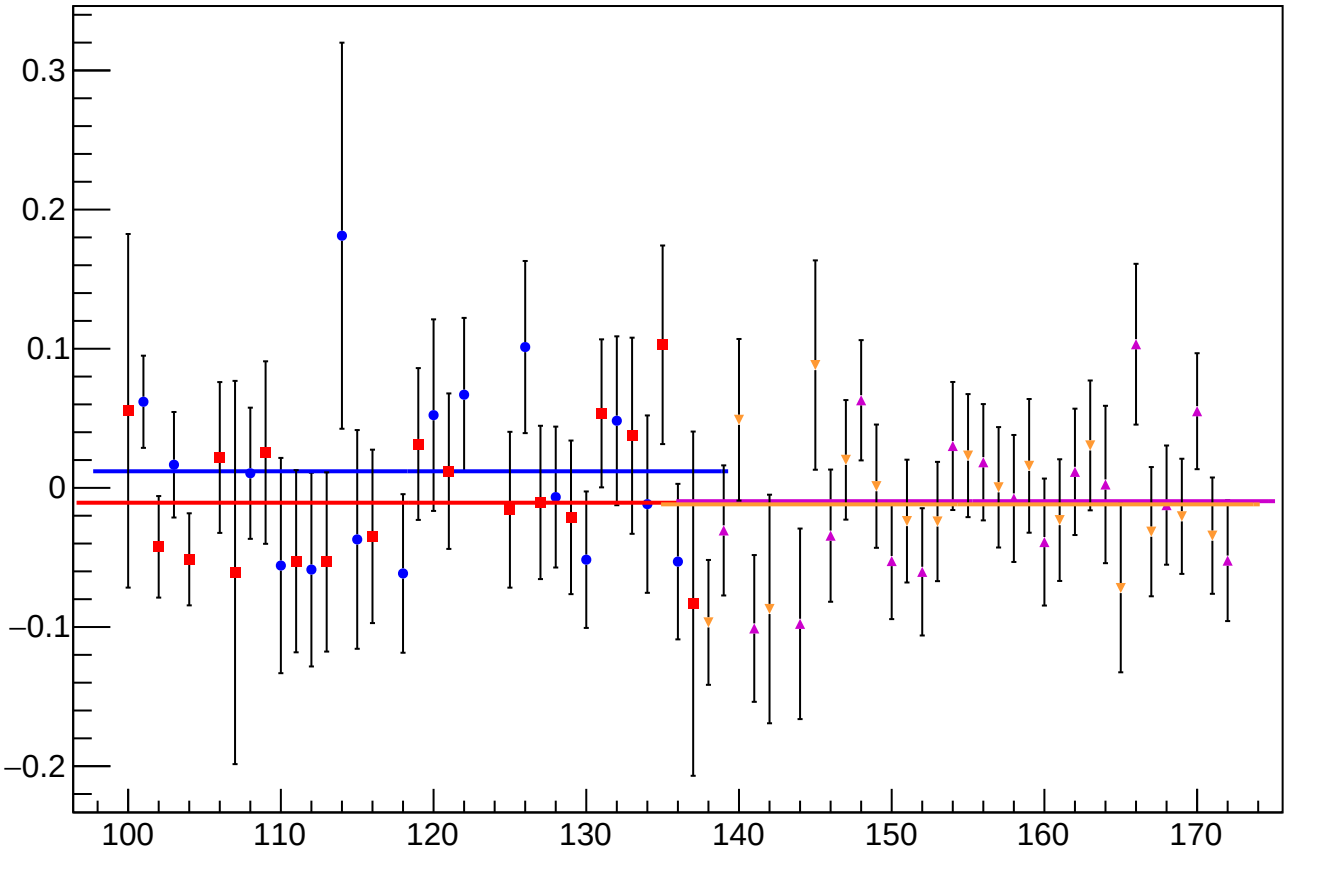
Left: 40.476+/-0.006 χ^2/NDF: 849033.6/33

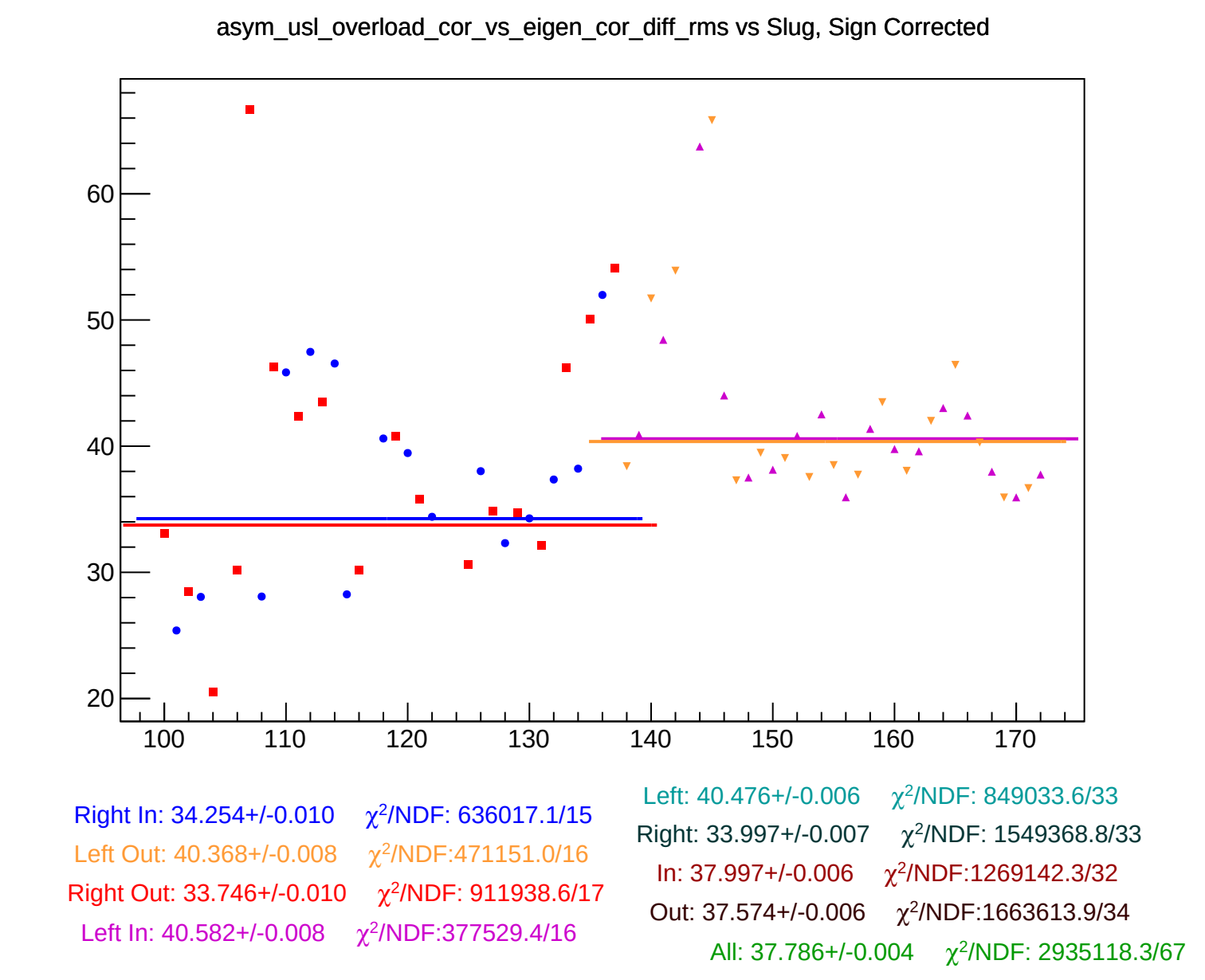
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.997+/-0.006 χ^2/NDF:1269142.3/32

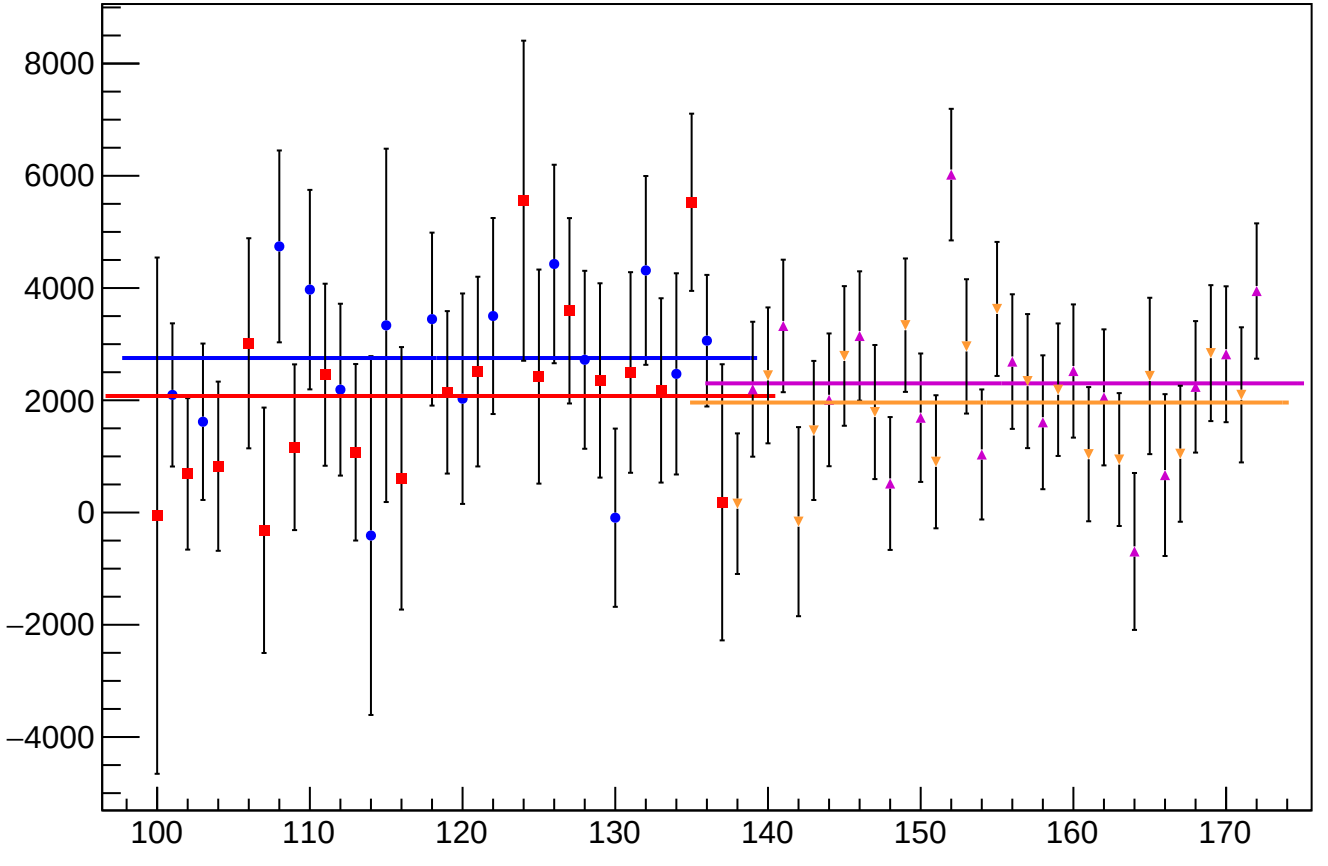
Out: 37.574+/-0.006 χ^2/NDF:1663613.9/34

All: 37.786+/-0.004 χ^2/NDF: 2935118.3/67


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: -0.012+/-0.011 χ²/NDF:11.5/16
Right Out: -0.011+/-0.013 χ²/NDF: 9.9/17
Left In: -0.010+/-0.011 χ²/NDF:19.3/16
Left: -0.011+/-0.008 χ²/NDF: 30.8/33
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: -0.001+/-0.009 χ²/NDF:35.5/32
Out: -0.011+/-0.009 χ²/NDF:21.4/34
All: -0.006+/-0.006 χ²/NDF: 57.7/67


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: 40.368+/-0.008 χ²/NDF:471151.0/16
Right Out: 33.746+/-0.010 χ²/NDF: 911938.6/17
Left In: 40.582+/-0.008 χ²/NDF:377529.4/16
Left: 40.476+/-0.006 χ²/NDF: 849033.6/33
Right: 33.997+/-0.007 χ²/NDF: 1549368.8/33
In: 37.997+/-0.006 χ²/NDF:1269142.3/32
Out: 37.574+/-0.006 χ²/NDF:1663613.9/34
All: 37.786+/-0.004 χ²/NDF: 2935118.3/67

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1959.845+/-290.031 χ^2/NDF:11.9/17

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: 2129.403+/-205.865 χ^2/NDF: 36.2/34

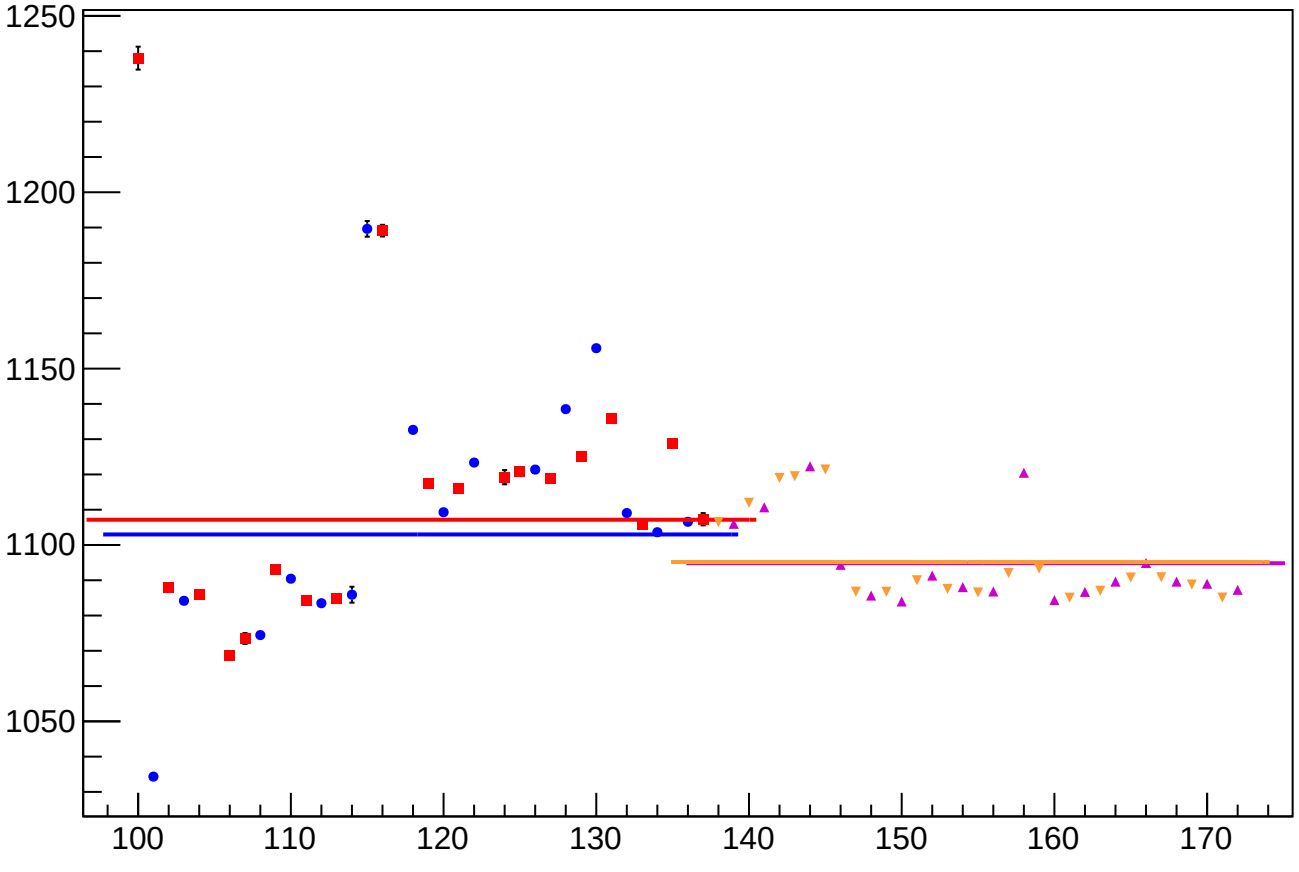
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2453.787+/-237.951 χ^2/NDF:33.9/32

Out: 1999.536+/-235.564 χ^2/NDF:24.5/36

All: 2224.372+/-167.407 χ^2/NDF: 60.3/69

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1095.167+/-0.205 χ^2/NDF:3527.6/17

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1094.828+/-0.207 χ^2/NDF:3451.1/16

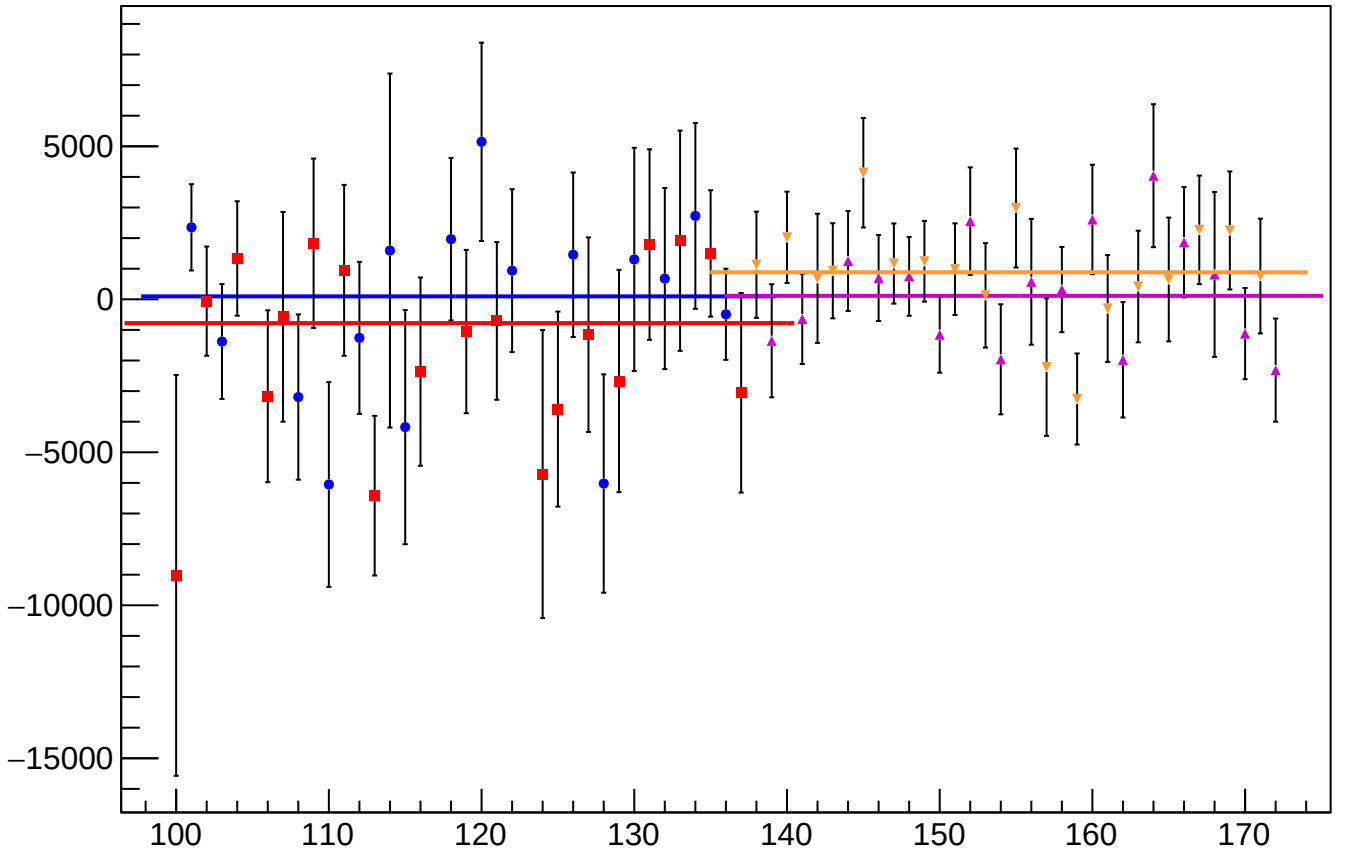
Left: 1094.999+/-0.146 χ^2/NDF: 6980.0/34

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

In: 1097.579+/-0.168 χ^2/NDF:17200.4/32

Out: 1099.248+/-0.167 χ^2/NDF:13374.6/36

All: 1098.422+/-0.118 χ^2/NDF: 30624.7/69



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 883.698+/-397.341 χ^2/NDF:16.7/17

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 113.835+/-398.595 χ^2/NDF:15.9/16

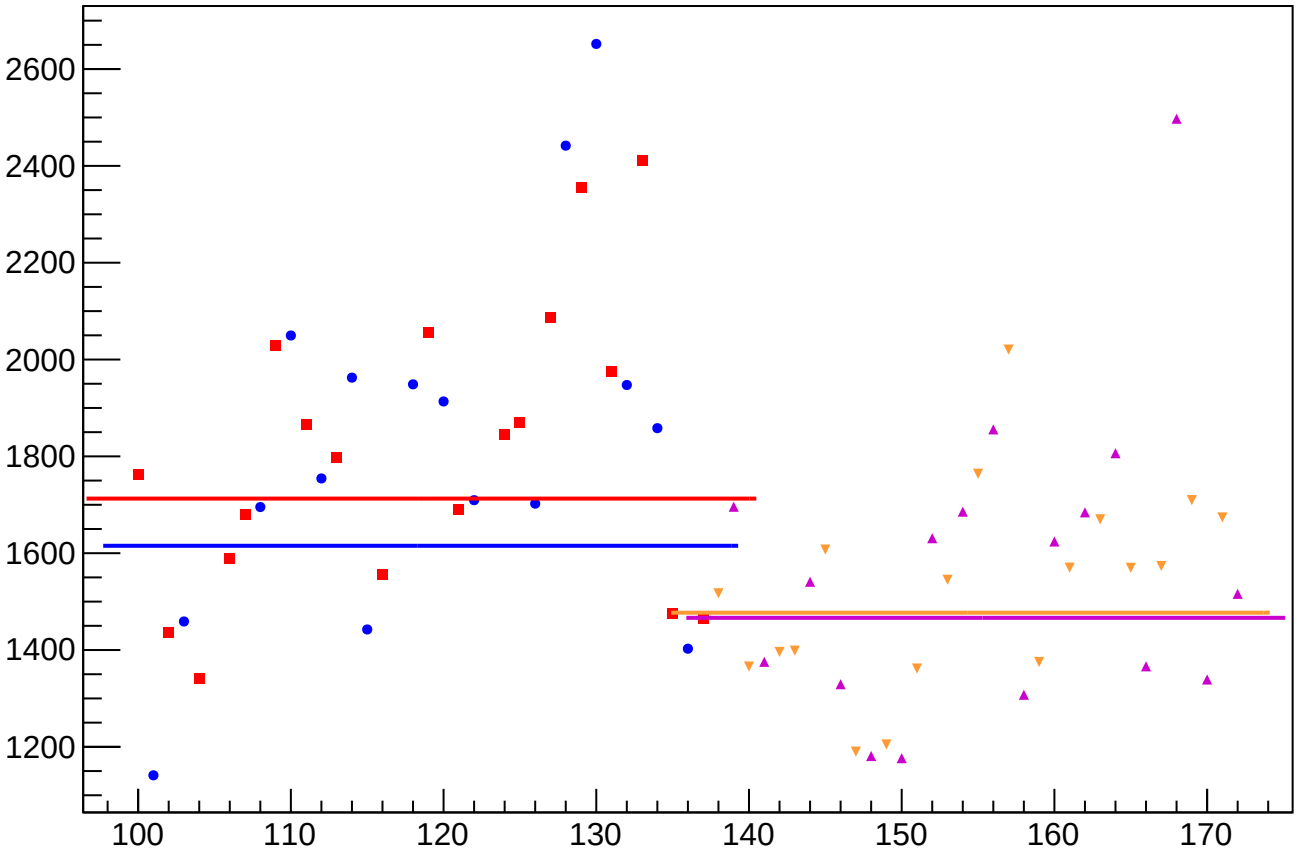
Left: 499.979+/-281.405 χ^2/NDF: 34.5/34

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

In: 108.584+/-334.981 χ^2/NDF:32.9/32

Out: 418.497+/-337.126 χ^2/NDF:36.7/36

All: 262.551+/-237.622 χ^2/NDF: 70.0/69



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1477.106+/-0.281 χ^2/NDF:486049.7/17

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: 1471.821+/-0.199 χ^2/NDF: 1300333.3/34

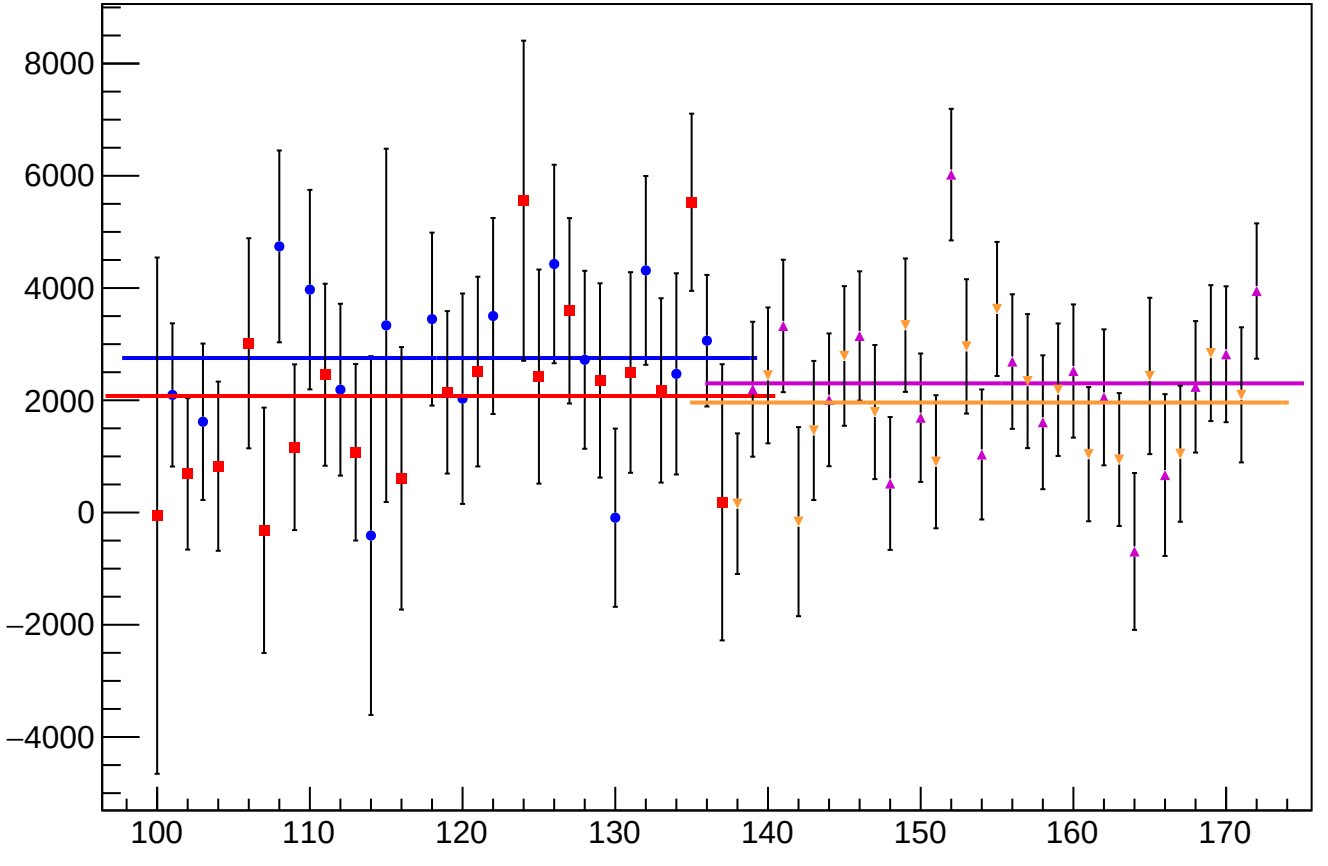
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1510.211+/-0.237 χ^2/NDF:1589084.2/32

Out: 1543.129+/-0.238 χ^2/NDF:1111240.6/36

All: 1526.565+/-0.168 χ^2/NDF: 2709919.8/69

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1959.845+/-290.031 χ^2/NDF:11.9/17

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: 2129.403+/-205.865 χ^2/NDF: 36.2/34

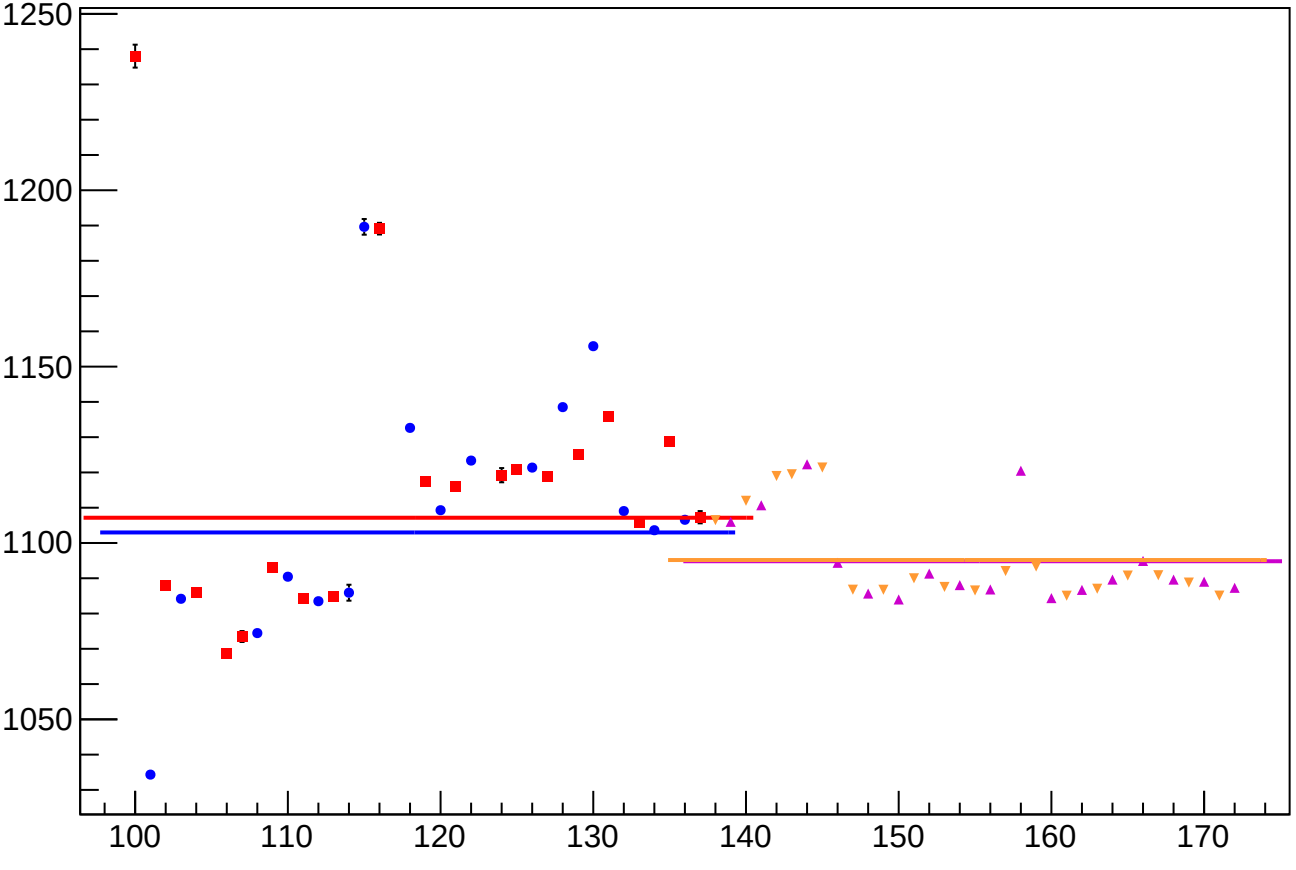
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2453.787+/-237.951 χ^2/NDF:33.9/32

Out: 1999.536+/-235.564 χ^2/NDF:24.5/36

All: 2224.372+/-167.407 χ^2/NDF: 60.3/69

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1095.167+/-0.205 χ^2/NDF:3527.6/17

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1094.828+/-0.207 χ^2/NDF:3451.1/16

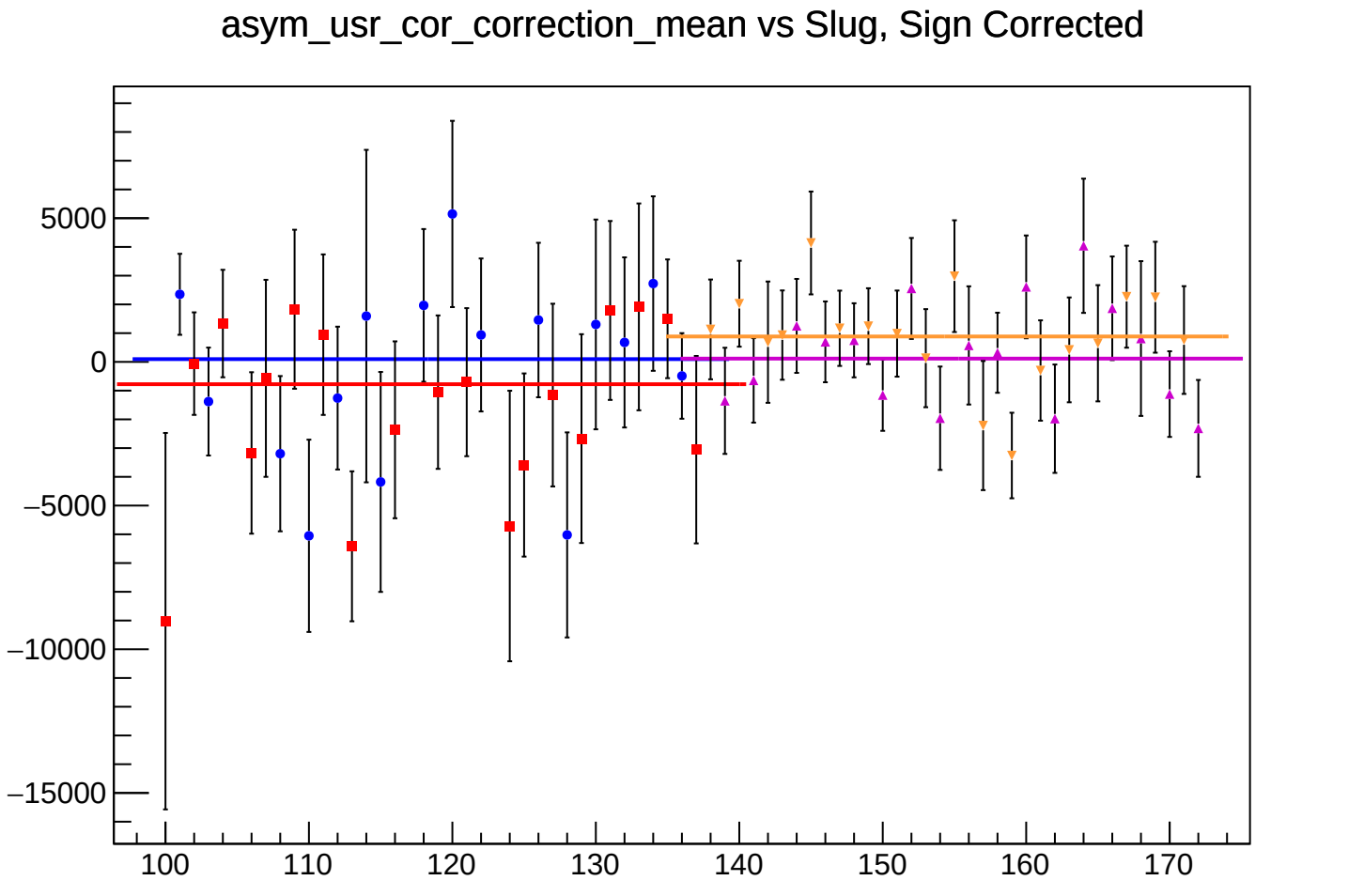
Left: 1094.999+/-0.146 χ^2/NDF: 6980.0/34

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

In: 1097.579+/-0.168 χ^2/NDF:17200.4/32

Out: 1099.248+/-0.167 χ^2/NDF:13374.6/36

All: 1098.422+/-0.118 χ^2/NDF: 30624.7/69



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 883.698+/-397.341 χ^2/NDF:16.7/17

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 113.835+/-398.595 χ^2/NDF:15.9/16

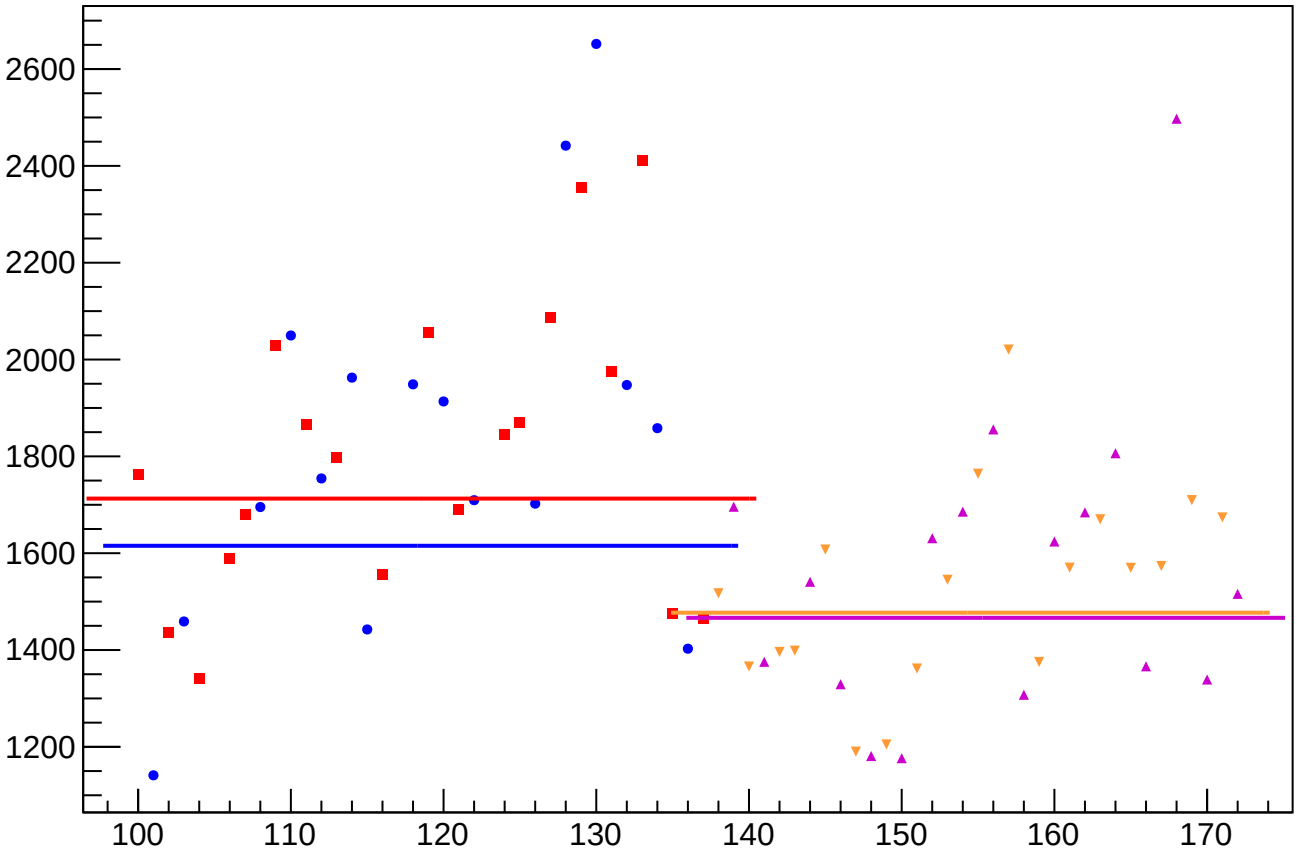
Left: 499.979+/-281.405 χ^2/NDF: 34.5/34

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

In: 108.584+/-334.981 χ^2/NDF:32.9/32

Out: 418.497+/-337.126 χ^2/NDF:36.7/36

All: 262.551+/-237.622 χ^2/NDF: 70.0/69



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1477.106+/-0.281 χ^2/NDF:486049.7/17

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1466.502+/-0.282 χ^2/NDF:813573.7/16

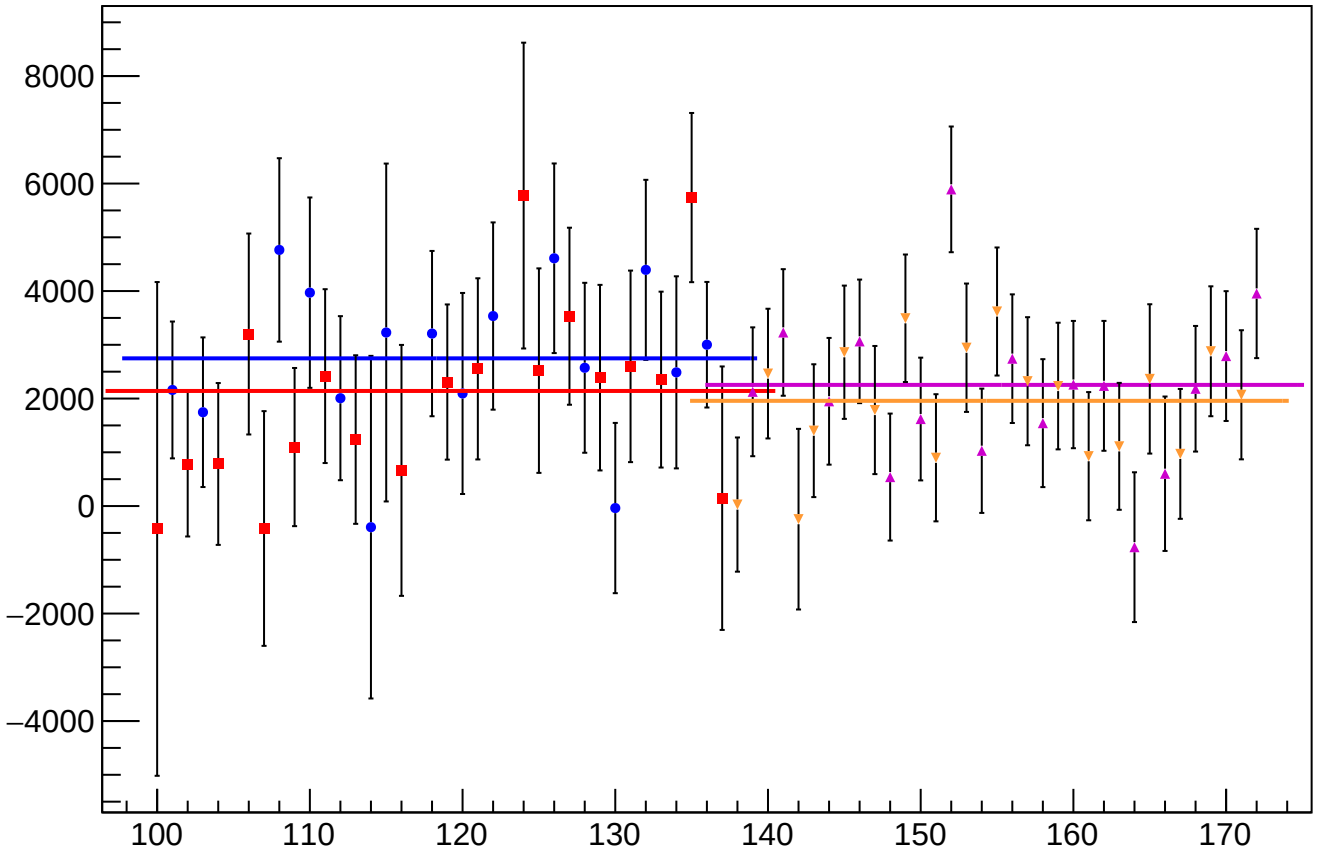
Left: 1471.821+/-0.199 χ^2/NDF: 1300333.3/34

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

In: 1510.211+/-0.237 χ^2/NDF:1589084.2/32

Out: 1543.129+/-0.238 χ^2/NDF:1111240.6/36

All: 1526.565+/-0.168 χ^2/NDF: 2709919.8/69



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1957.558+/-289.283 χ^2/NDF:12.9/17

Right Out: 2141.169+/-402.789 χ^2/NDF: 13.6/18

Left In: 2254.085+/-291.513 χ^2/NDF:23.2/16

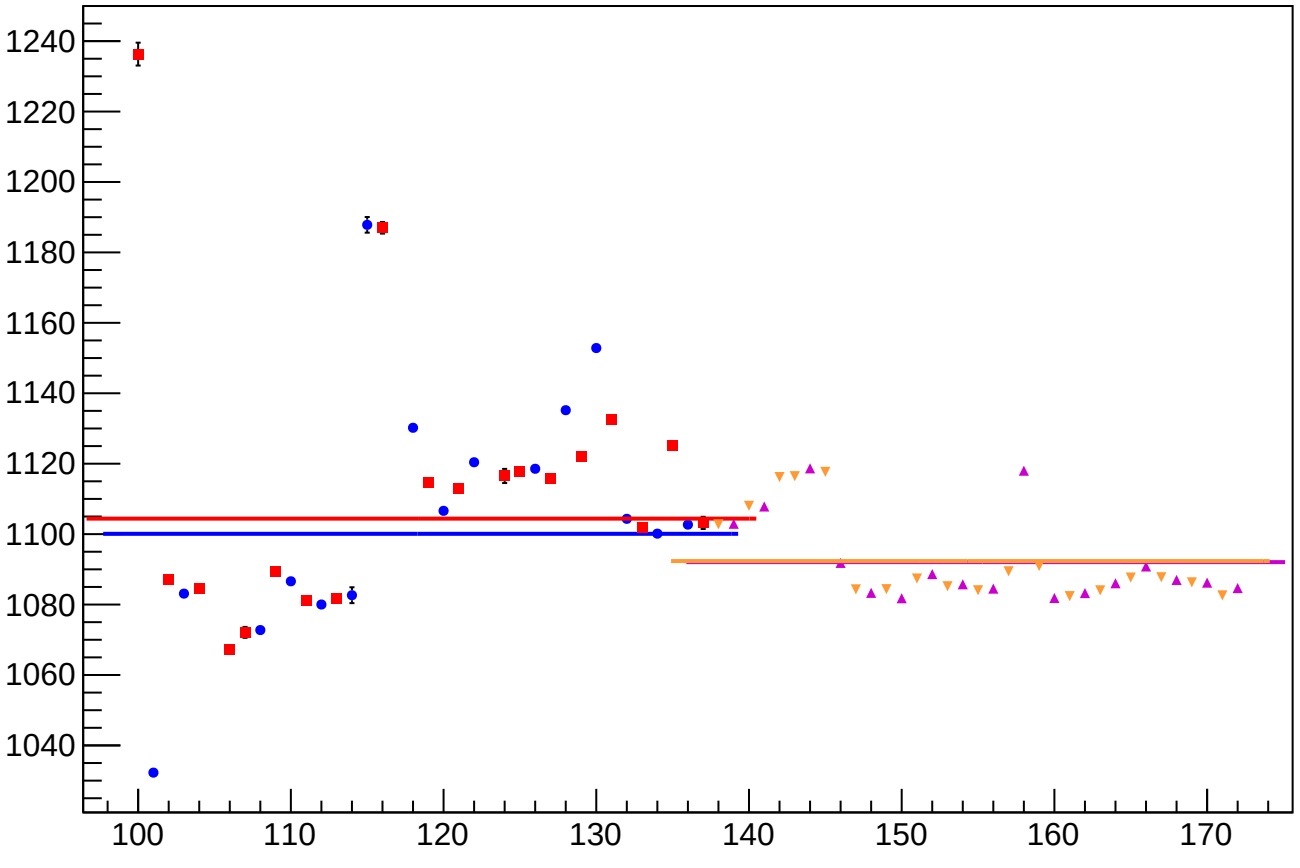
Left: 2104.683+/-205.338 χ^2/NDF: 36.6/34

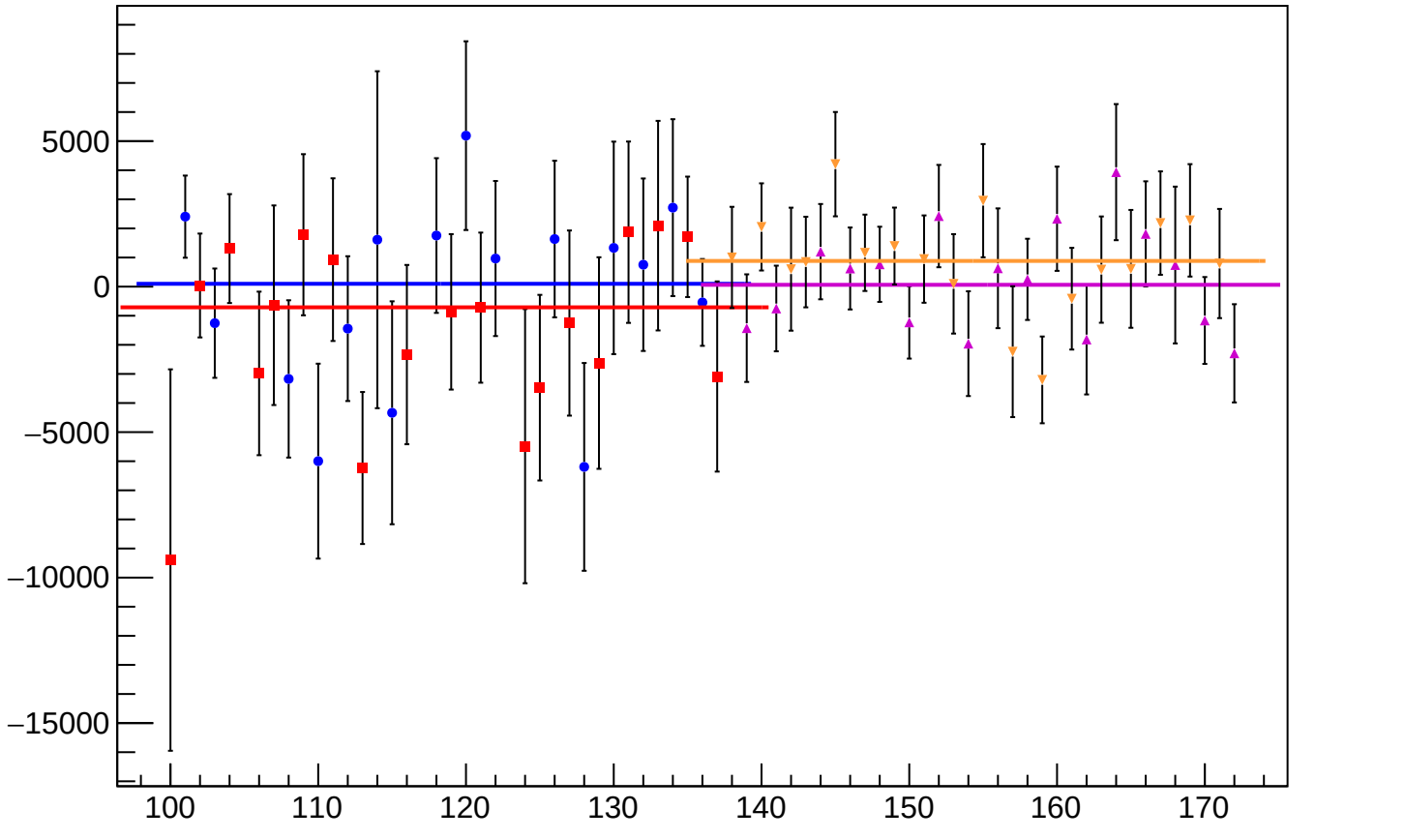
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2420.581+/-237.339 χ^2/NDF:33.7/32

Out: 2020.039+/-234.963 χ^2/NDF:26.6/36

All: 2218.295+/-166.978 χ^2/NDF: 61.7/69


overload_cor_asym_usr_rms vs Slug, Sign Corrected
1240
1220
1200
1180
1160
1140
1120
1100
1080
1060
1040
100
110
120
130
140
150
160
170
Right In: 1100.090+/-0.289 χ²/NDF: 13077.1/15
Left Out: 1092.346+/-0.205 χ²/NDF:3348.0/17
Right Out: 1104.403+/-0.285 χ²/NDF: 8543.5/18
Left In: 1092.051+/-0.206 χ²/NDF:3374.2/16
Left: 1092.200+/-0.145 χ²/NDF: 6723.2/34
Right: 1102.278+/-0.203 χ²/NDF: 21733.6/34
In: 1094.761+/-0.168 χ²/NDF:16964.2/32
Out: 1096.449+/-0.166 χ²/NDF:13073.6/36
All: 1095.614+/-0.118 χ²/NDF: 30088.9/69



Right In: 97.435+/-618.876 χ^2/NDF: 17.2/15

Left Out: 883.073+/-397.938 χ^2/NDF:16.7/17

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: 473.917+/-281.826 χ^2/NDF: 33.9/34

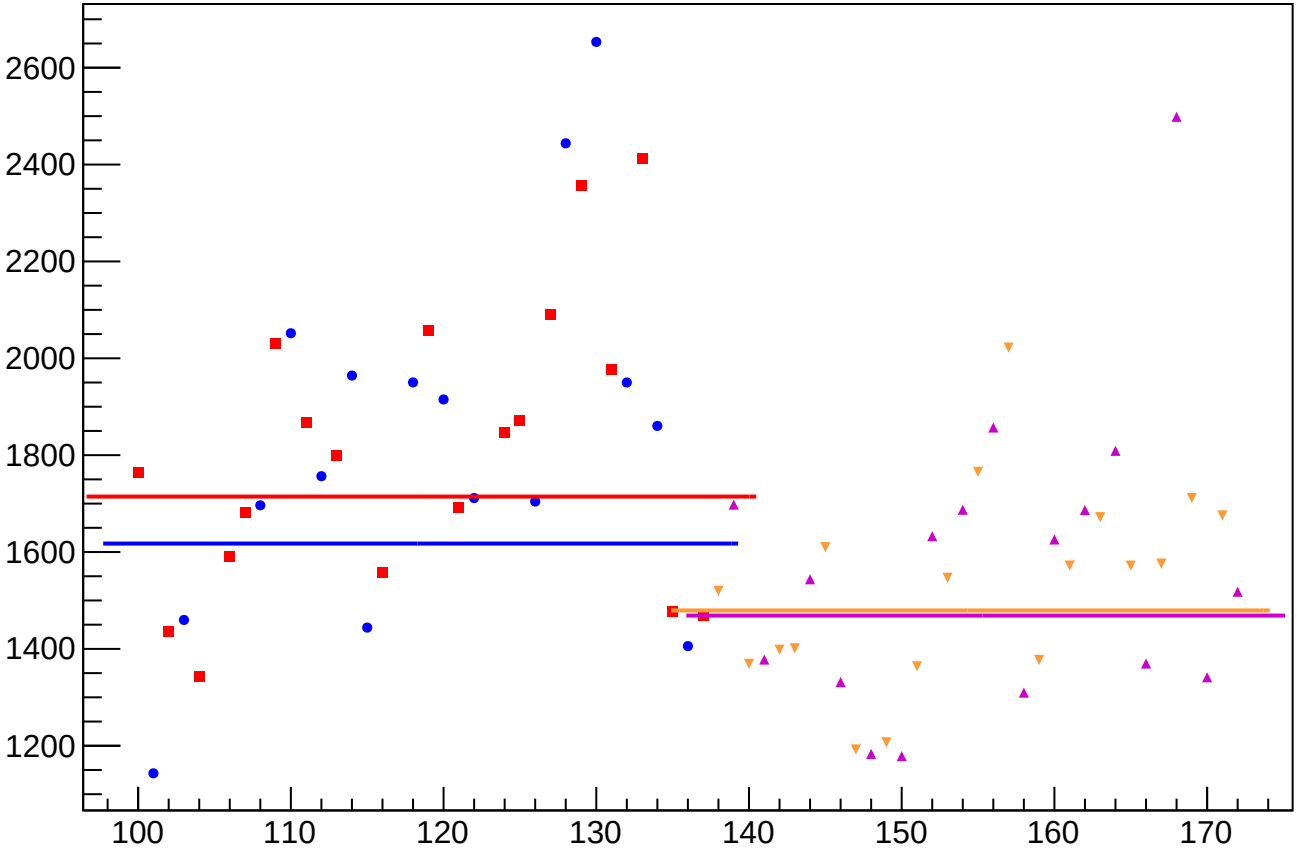
Right: -294.885+/-444.079 χ^2/NDF: 33.0/34

In: 72.543+/-335.458 χ^2/NDF:32.3/32

Out: 436.114+/-337.583 χ^2/NDF:36.1/36

All: 253.181+/-237.952 χ^2/NDF: 69.1/69

asym_usr_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1479.427+/-0.281 χ^2/NDF:483883.1/17

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: 1474.124+/-0.199 χ^2/NDF: 1295255.1/34

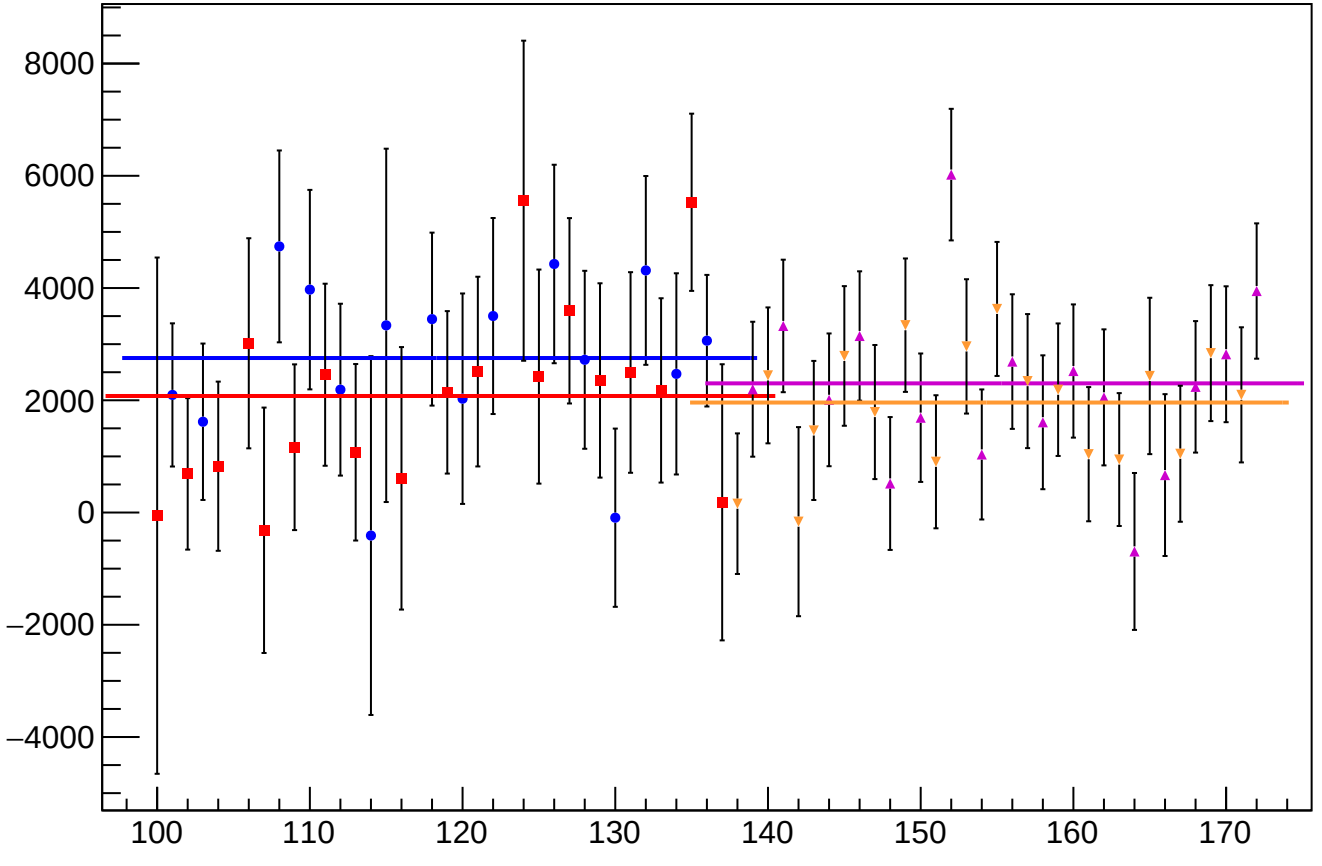
Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1512.478+/-0.237 χ^2/NDF:1583927.5/32

Out: 1545.329+/-0.239 χ^2/NDF:1107258.6/36

All: 1528.800+/-0.168 χ^2/NDF: 2700715.3/69

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1959.845+/-290.031 χ^2/NDF:11.9/17

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: 2129.403+/-205.865 χ^2/NDF: 36.2/34

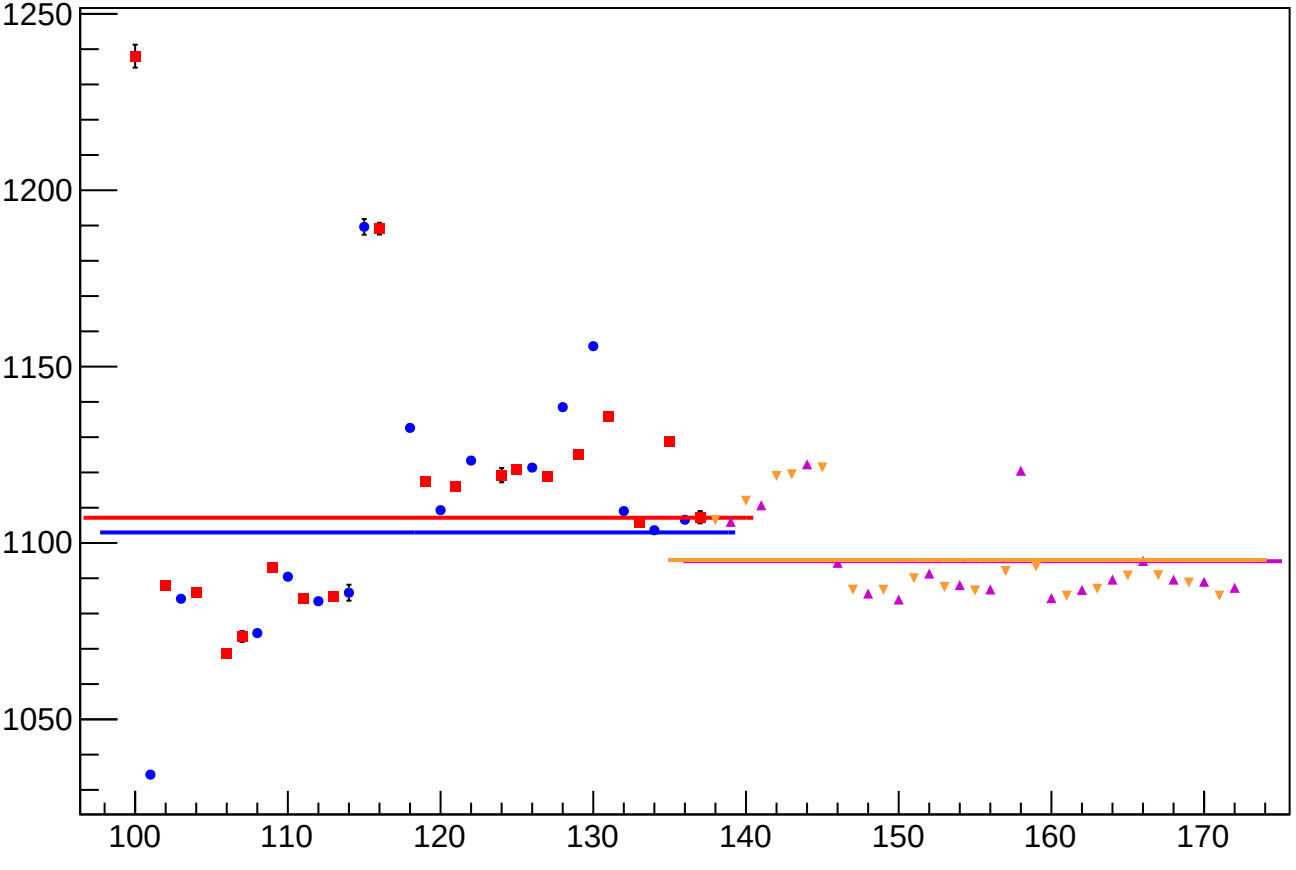
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2453.787+/-237.951 χ^2/NDF:33.9/32

Out: 1999.536+/-235.564 χ^2/NDF:24.5/36

All: 2224.372+/-167.407 χ^2/NDF: 60.3/69

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1095.167+/-0.205 χ^2/NDF:3527.6/17

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1094.828+/-0.207 χ^2/NDF:3451.1/16

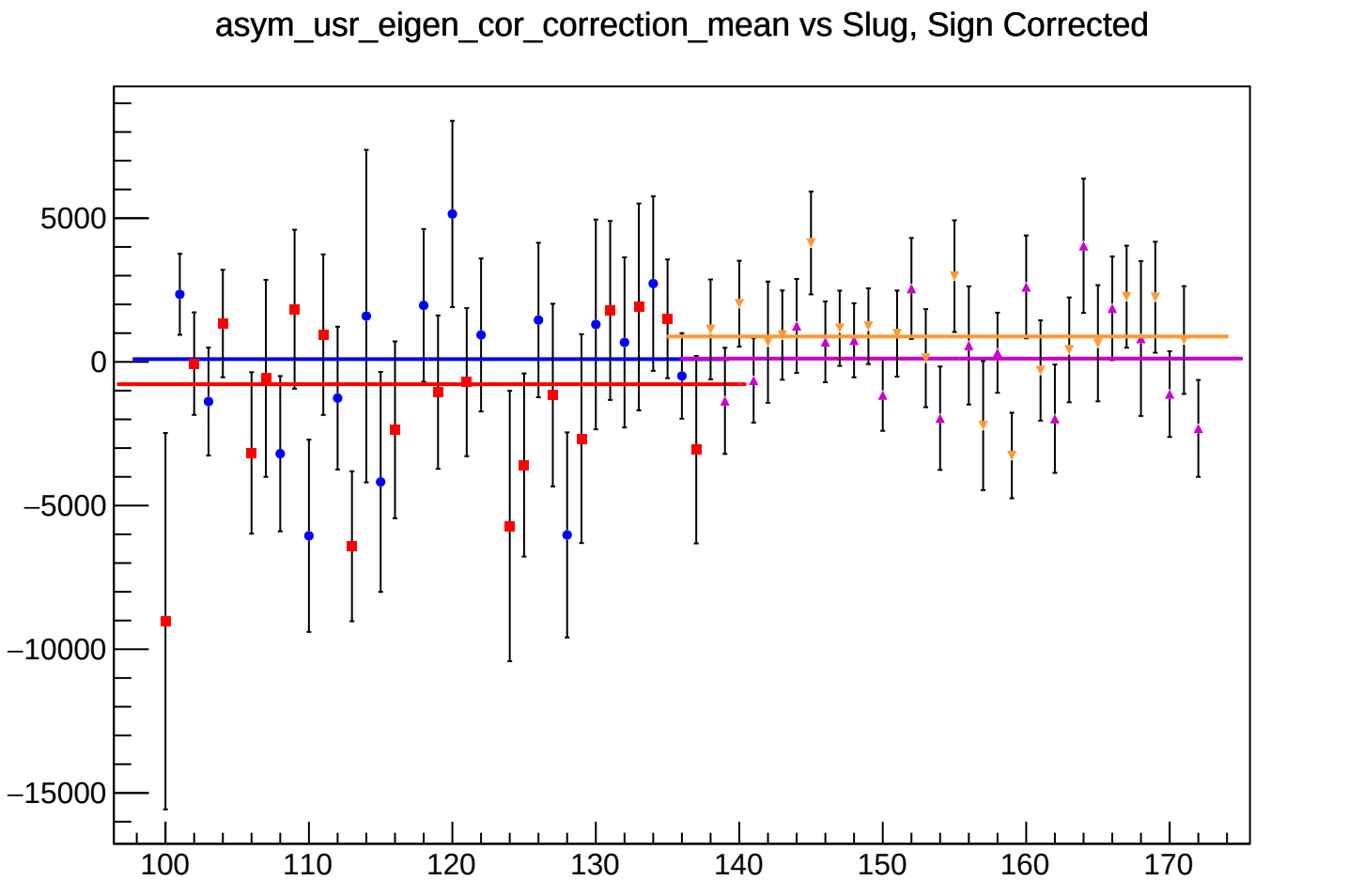
Left: 1094.999+/-0.146 χ^2/NDF: 6980.0/34

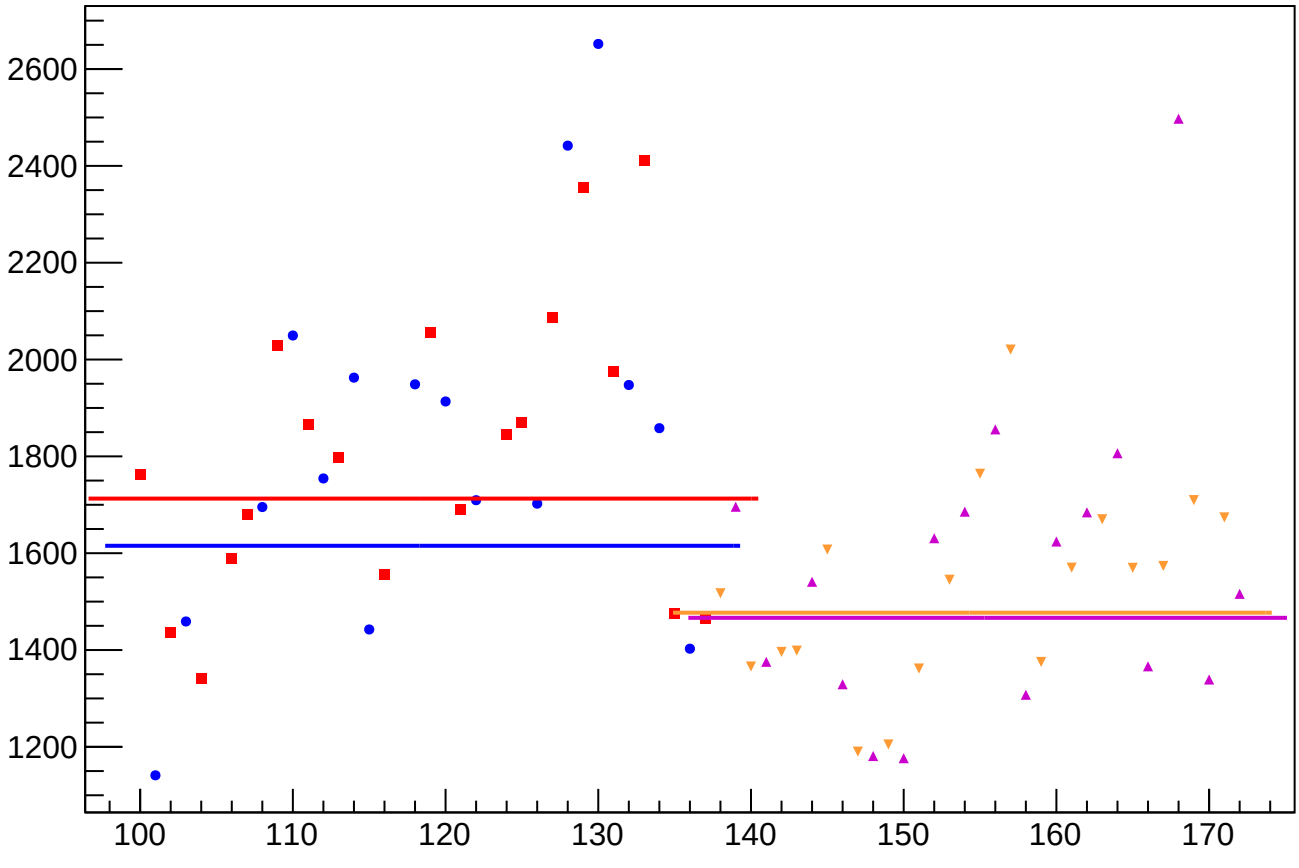
Right: 1105.104+/-0.203 χ^2/NDF: 22012.3/34

In: 1097.579+/-0.168 χ^2/NDF:17200.4/32

Out: 1099.248+/-0.167 χ^2/NDF:13374.6/36

All: 1098.422+/-0.118 χ^2/NDF: 30624.7/69


asym_usr_eigen_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: 883.698+/-397.341 χ²/NDF:16.7/17
Right Out: -776.996+/-636.966 χ²/NDF: 15.1/18
Left In: 113.835+/-398.595 χ²/NDF:15.9/16
Left: 499.979+/-281.405 χ²/NDF: 34.5/34
Right: -327.398+/-443.581 χ²/NDF: 33.0/34
In: 108.584+/-334.981 χ²/NDF:32.9/32
Out: 418.497+/-337.126 χ²/NDF:36.7/36
All: 262.551+/-237.622 χ²/NDF: 70.0/69



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1477.106+/-0.281 χ^2/NDF:486049.7/17

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: 1471.821+/-0.199 χ^2/NDF: 1300333.3/34

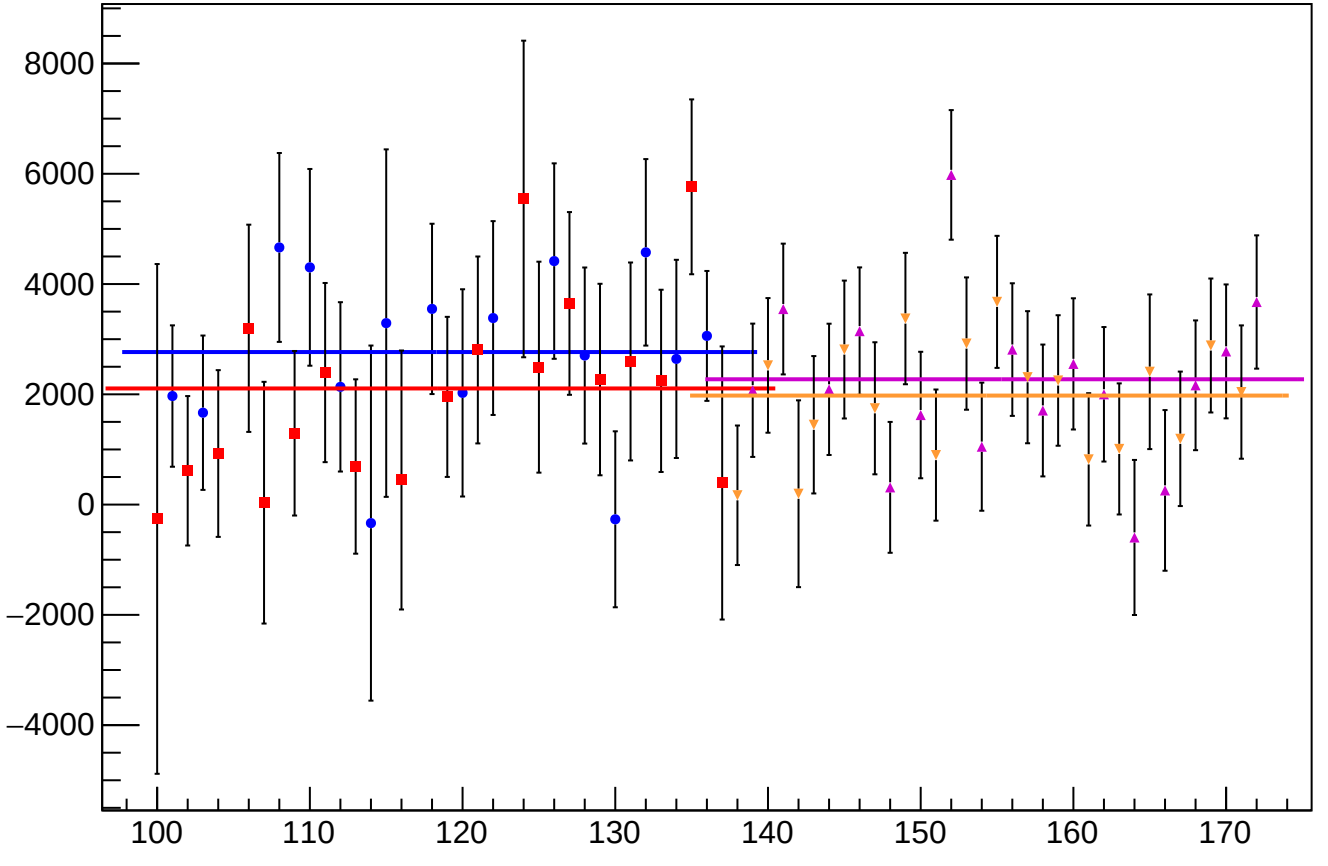
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1510.211+/-0.237 χ^2/NDF:1589084.2/32

Out: 1543.129+/-0.238 χ^2/NDF:1111240.6/36

All: 1526.565+/-0.168 χ^2/NDF: 2709919.8/69

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1977.346+/-291.322 χ^2/NDF:11.6/17

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: 2124.051+/-206.734 χ^2/NDF: 36.2/34

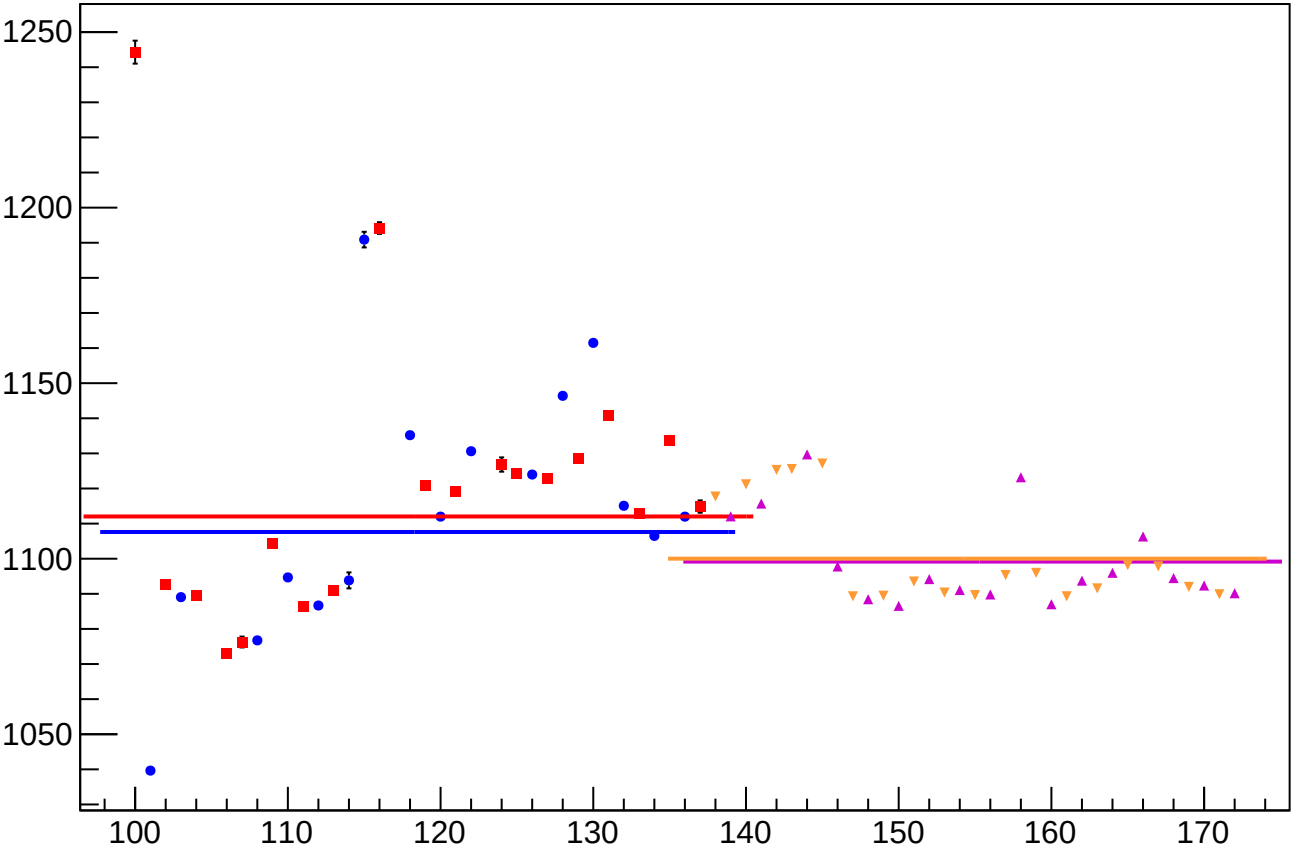
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2439.280+/-238.918 χ^2/NDF:35.3/32

Out: 2021.253+/-236.611 χ^2/NDF:25.1/36

All: 2228.238+/-168.119 χ^2/NDF: 61.9/69

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1100.014+/-0.206 χ^2/NDF:4427.7/17

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1099.179+/-0.207 χ^2/NDF:3913.4/16

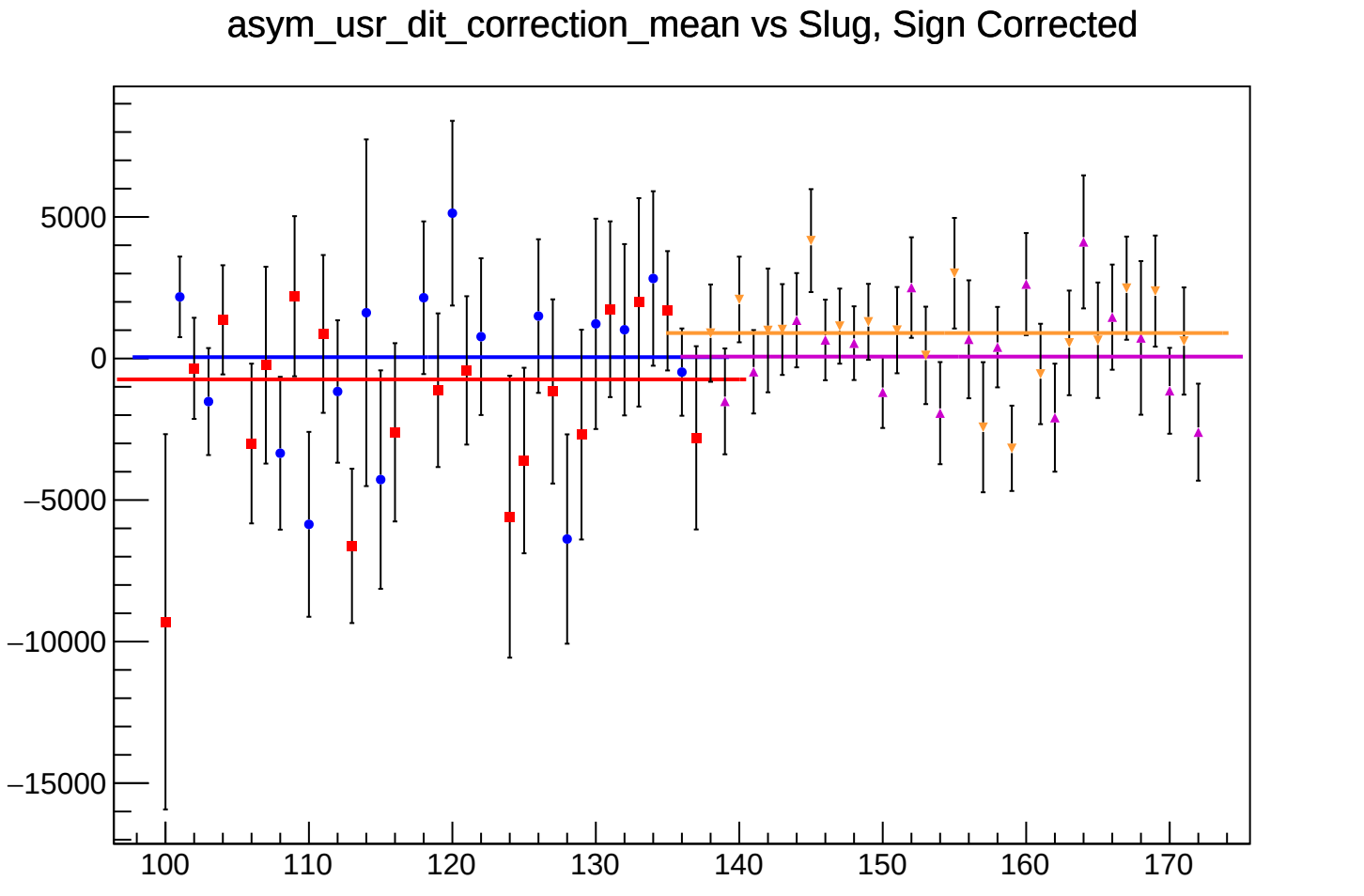
Left: 1099.599+/-0.146 χ^2/NDF: 8349.2/34

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

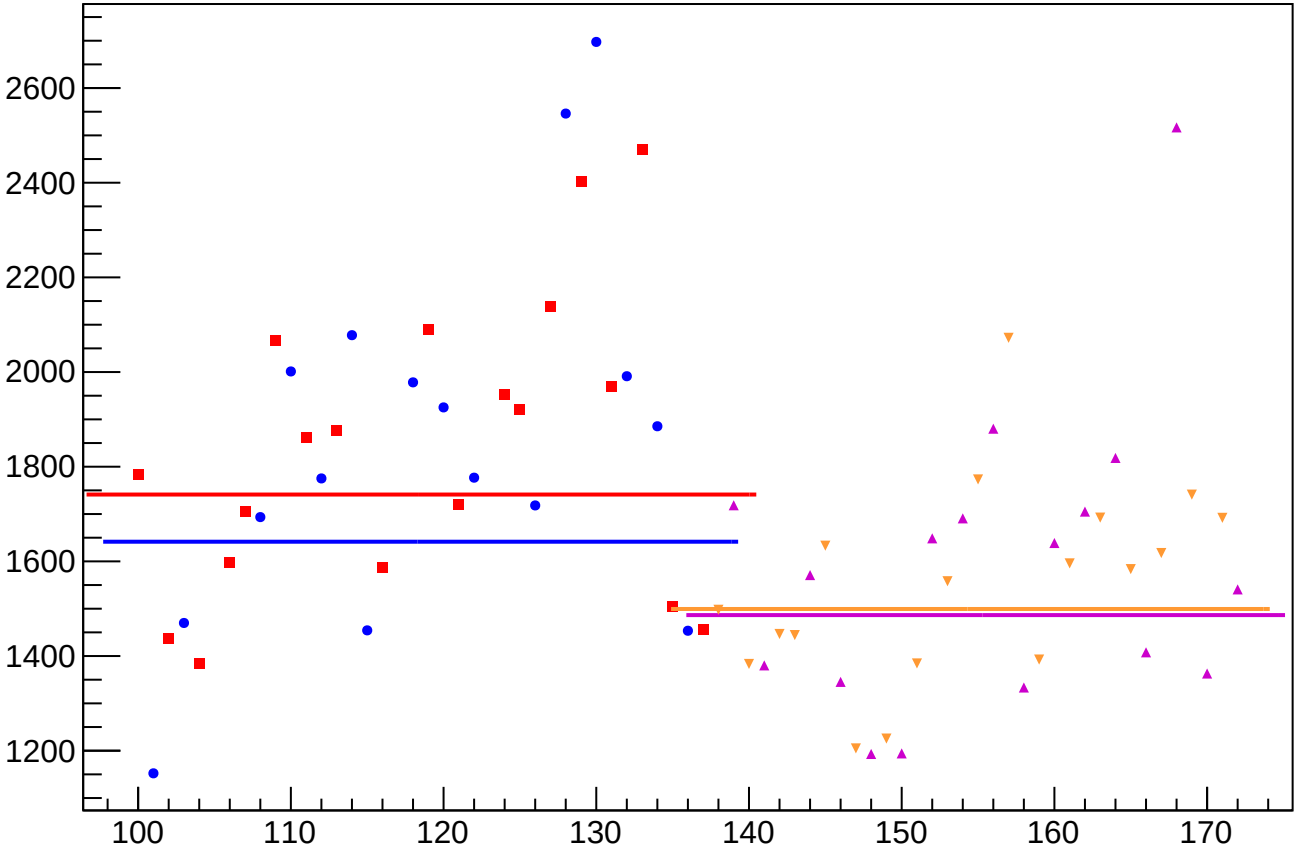
In: 1102.022+/-0.169 χ^2/NDF:17691.0/32

Out: 1104.103+/-0.167 χ^2/NDF:14239.1/36

All: 1103.072+/-0.119 χ^2/NDF: 32006.8/69


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: 899.396+/-403.190 χ²/NDF:16.8/17
Right Out: -738.185+/-647.795 χ²/NDF: 14.9/18
Left In: 66.533+/-403.776 χ²/NDF:15.9/16
Left: 483.569+/-285.306 χ²/NDF: 34.9/34
Right: -333.029+/-450.921 χ²/NDF: 32.6/34
In: 61.060+/-339.642 χ²/NDF:32.8/32
Out: 442.150+/-342.304 χ²/NDF:36.4/36
All: 250.118+/-241.099 χ²/NDF: 69.8/69

asym_usr_dit_correction_rms vs Slug, Sign Corrected



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1499.416+/-0.285 χ^2/NDF:485953.8/17

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: 1492.965+/-0.202 χ^2/NDF: 1286480.6/34

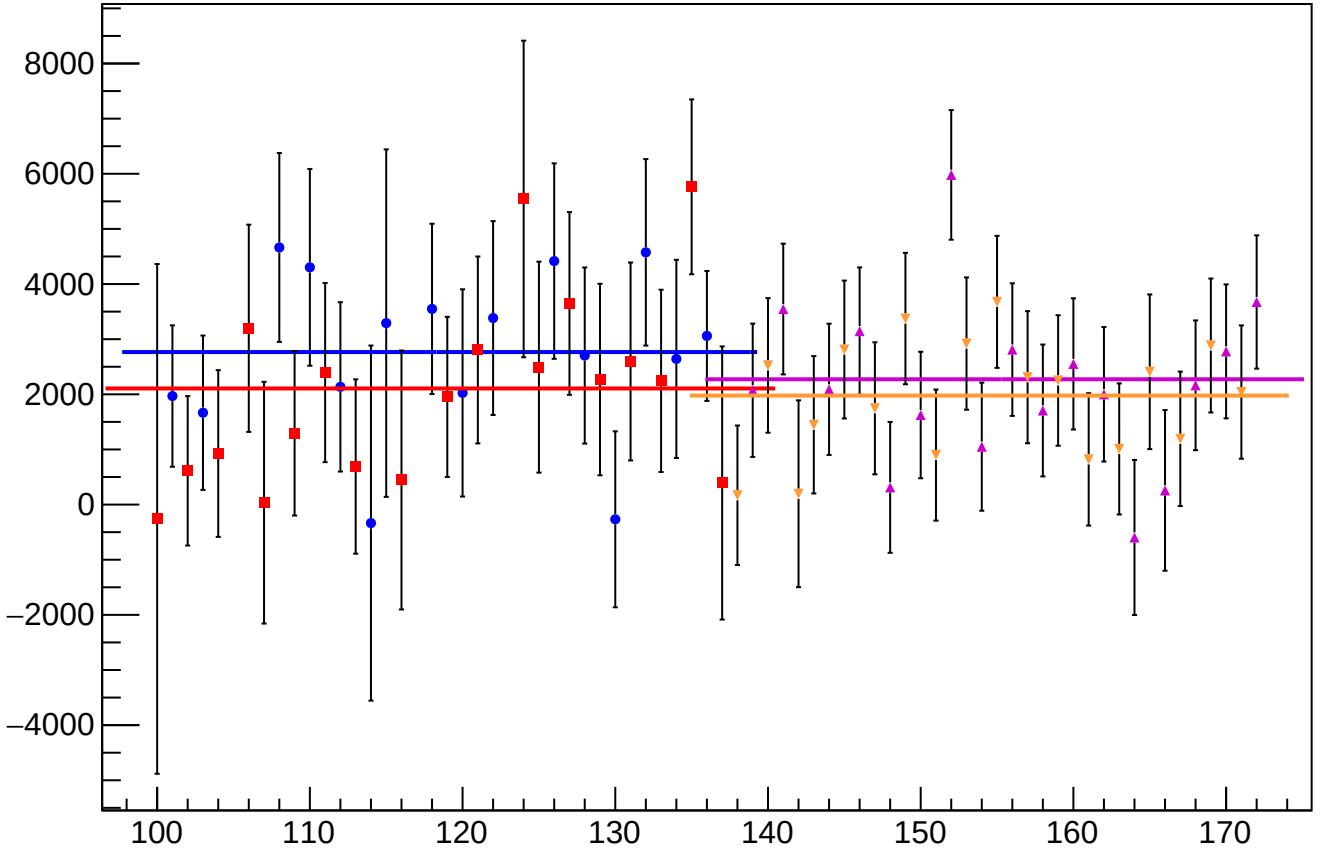
Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1531.836+/-0.240 χ^2/NDF:1587049.8/32

Out: 1566.927+/-0.242 χ^2/NDF:1125113.4/36

All: 1549.244+/-0.170 χ^2/NDF: 2722754.3/69

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1977.344+/-291.322 χ^2/NDF:11.6/17

Right Out: 2106.360+/-405.586 χ^2/NDF: 13.4/18

Left In: 2272.878+/-293.422 χ^2/NDF:24.0/16

Left: 2124.050+/-206.734 χ^2/NDF: 36.2/34

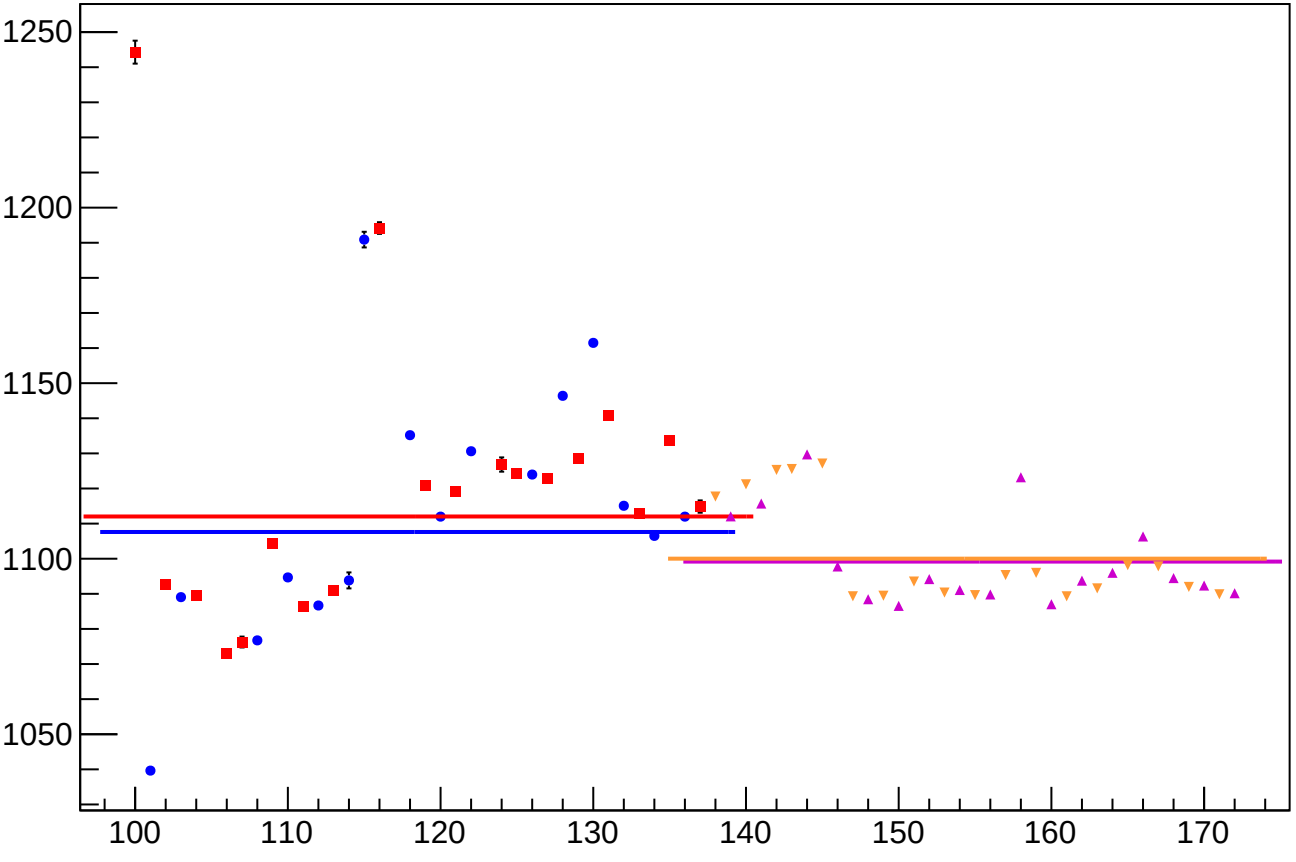
Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2439.280+/-238.918 χ^2/NDF:35.3/32

Out: 2021.253+/-236.611 χ^2/NDF:25.1/36

All: 2228.238+/-168.119 χ^2/NDF: 61.9/69

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1100.014+/-0.206 χ^2/NDF:4427.7/17

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1099.179+/-0.207 χ^2/NDF:3913.4/16

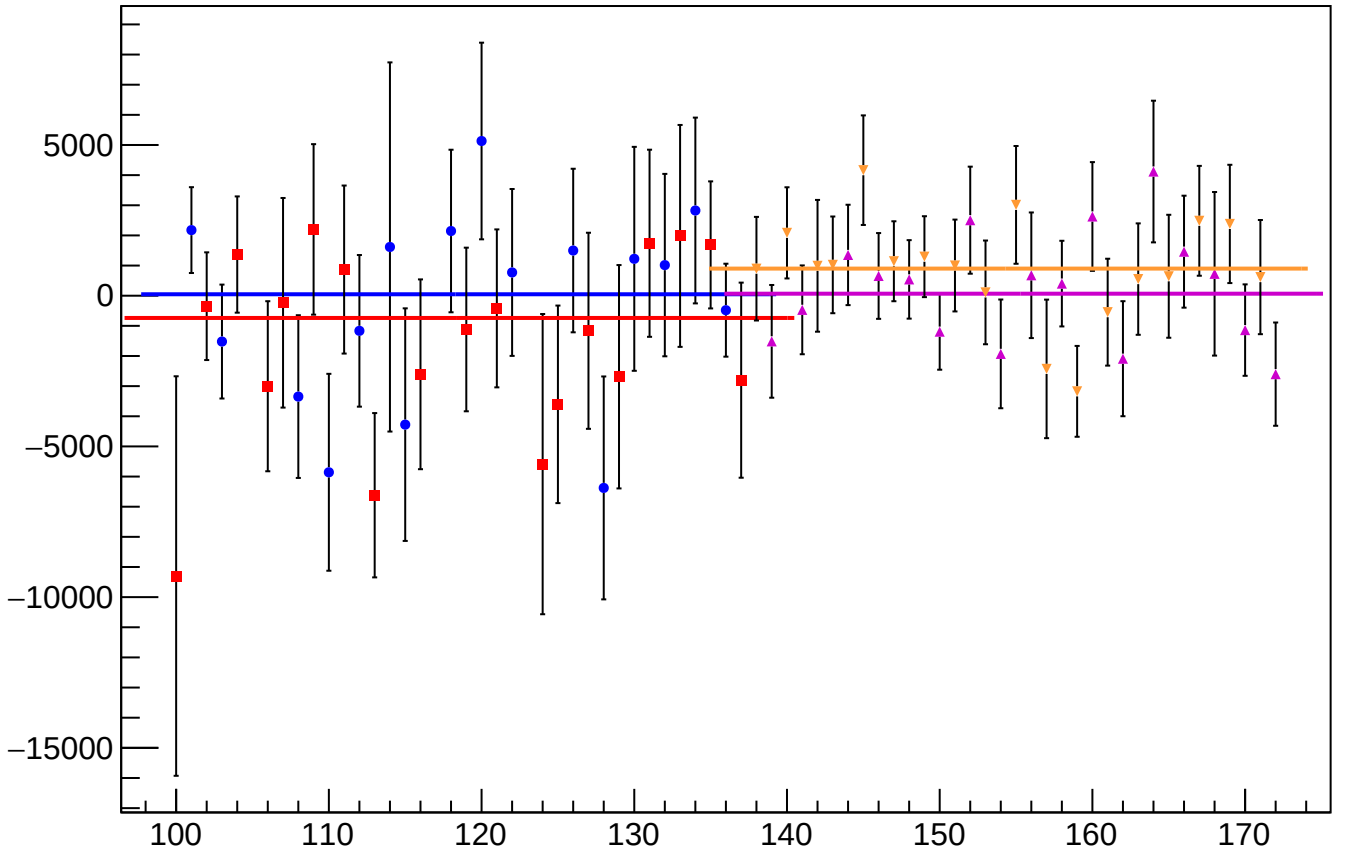
Left: 1099.600+/-0.146 χ^2/NDF: 8349.2/34

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

In: 1102.022+/-0.169 χ^2/NDF:17690.9/32

Out: 1104.103+/-0.167 χ^2/NDF:14239.1/36

All: 1103.072+/-0.119 χ^2/NDF: 32006.6/69



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 899.395+/-403.191 χ^2/NDF:16.8/17

Right Out: -738.188+/-647.795 χ^2/NDF: 14.9/18

Left In: 66.534+/-403.777 χ^2/NDF:15.9/16

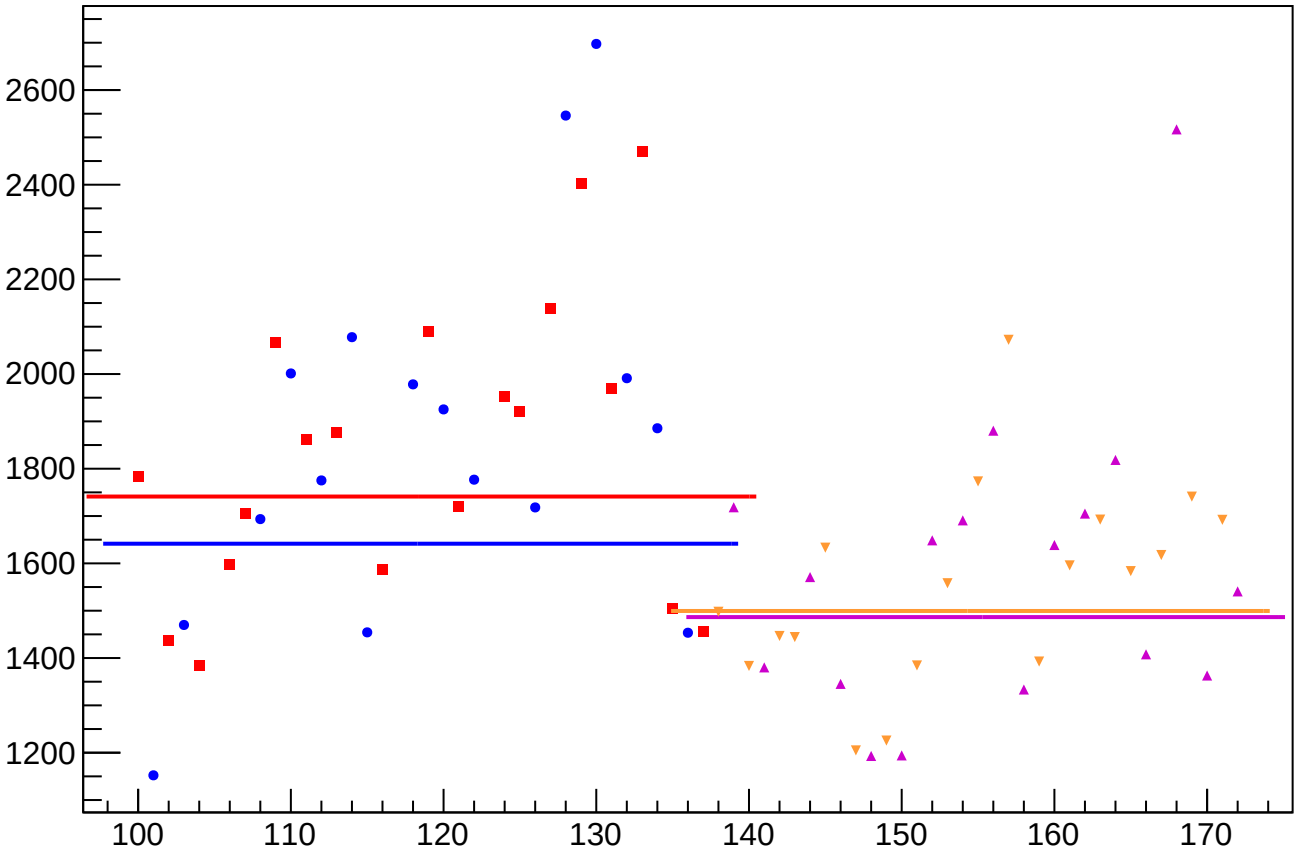
Left: 483.570+/-285.306 χ^2/NDF: 34.9/34

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

In: 61.059+/-339.643 χ^2/NDF:32.8/32

Out: 442.146+/-342.304 χ^2/NDF:36.4/36

All: 250.116+/-241.099 χ^2/NDF: 69.8/69



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1499.419+/-0.285 χ^2/NDF:485958.5/17

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1486.498+/-0.286 χ^2/NDF:799507.1/16

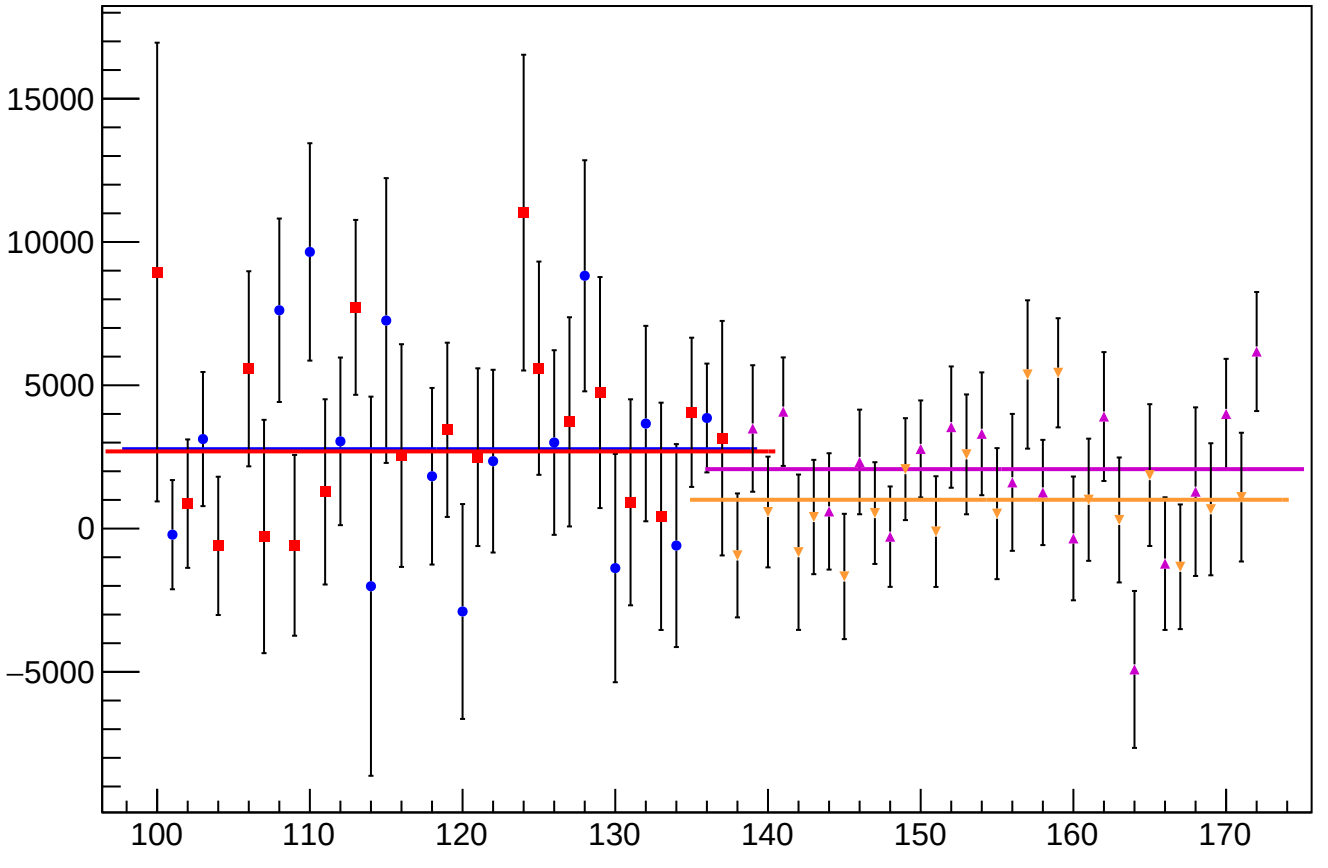
Left: 1492.968+/-0.202 χ^2/NDF: 1286491.1/34

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

In: 1531.838+/-0.240 χ^2/NDF:1587037.0/32

Out: 1566.929+/-0.242 χ^2/NDF:1125097.7/36

All: 1549.247+/-0.170 χ^2/NDF: 2722725.9/69



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1005.395+/-498.955 χ^2/NDF:13.9/17

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: 1536.075+/-353.950 χ^2/NDF: 36.8/34

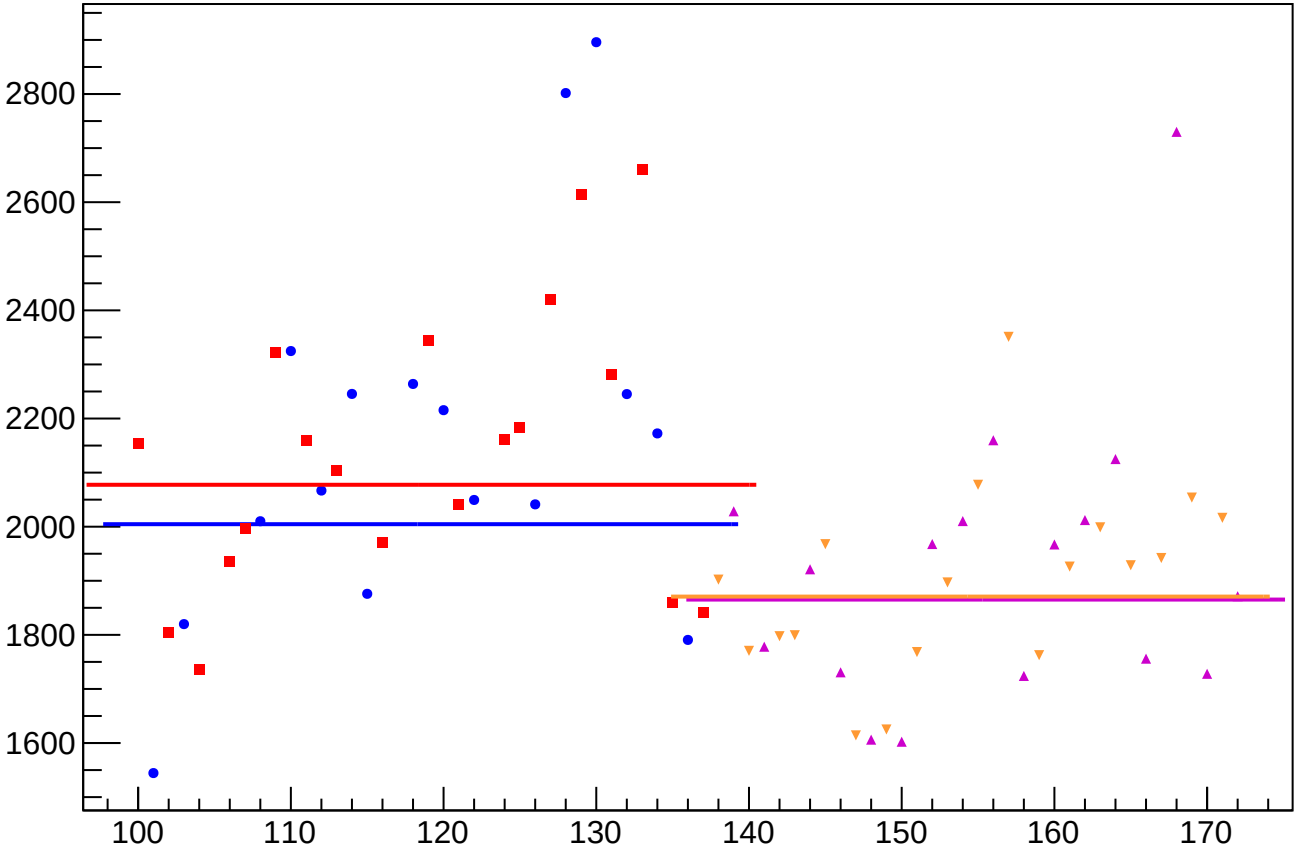
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2286.391+/-418.493 χ^2/NDF:37.6/32

Out: 1508.242+/-418.042 χ^2/NDF:29.9/36

All: 1896.897+/-295.760 χ^2/NDF: 69.2/69

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1870.753+/-0.353 χ^2/NDF:223926.8/17

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1865.250+/-0.355 χ^2/NDF:394186.3/16

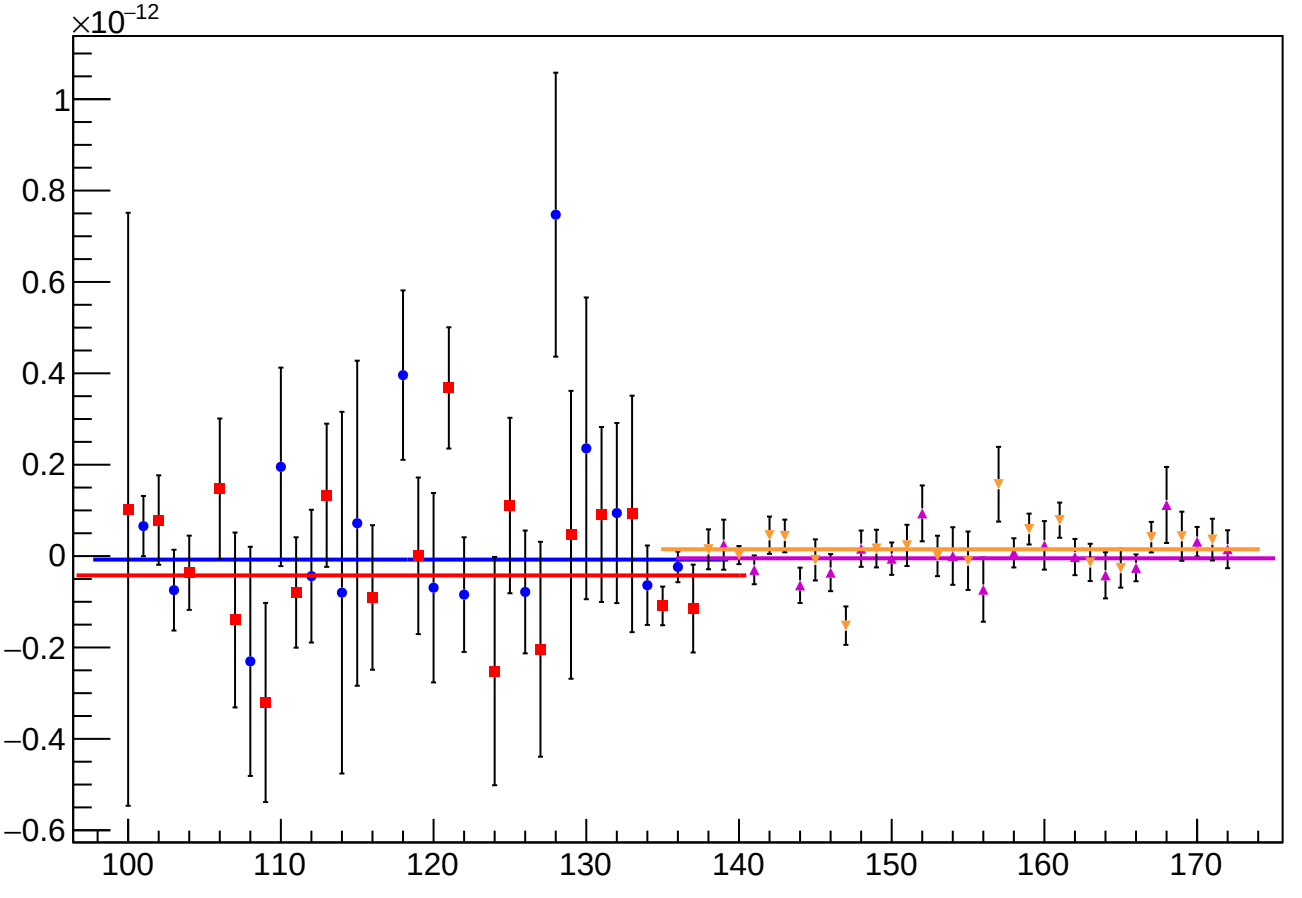
Left: 1868.020+/-0.250 χ^2/NDF: 618233.9/34

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

In: 1907.837+/-0.296 χ^2/NDF:828829.0/32

Out: 1932.370+/-0.296 χ^2/NDF:556749.2/36

All: 1920.117+/-0.209 χ^2/NDF: 1389018.6/69



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.1/17

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

Left In: -0.000+/-0.000 χ^2/NDF:12.6/16

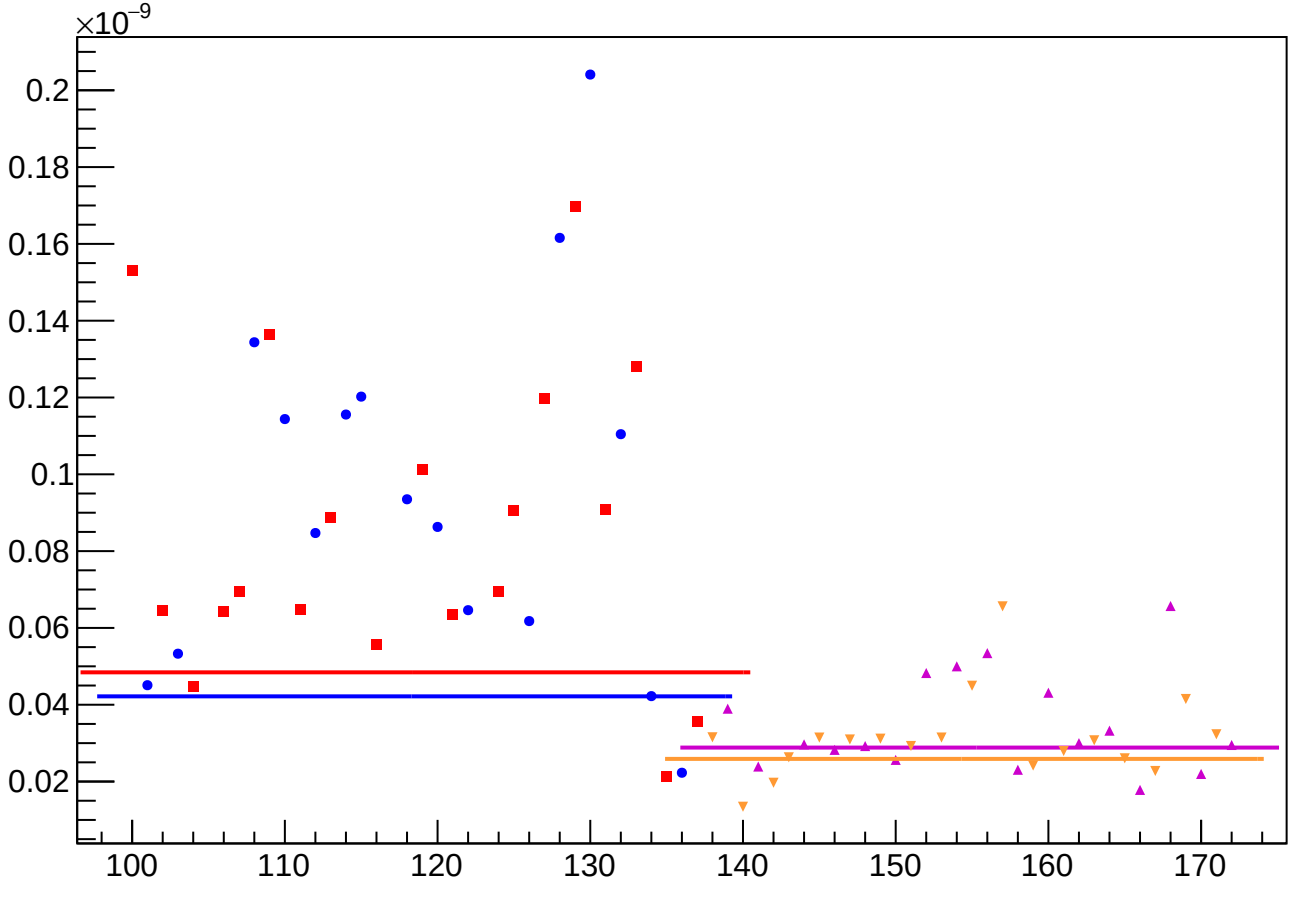
Left: 0.000+/-0.000 χ^2/NDF: 42.9/34

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:53.9/36

All: 0.000+/-0.000 χ^2/NDF: 84.3/69



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1919644.3/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1800860.8/16

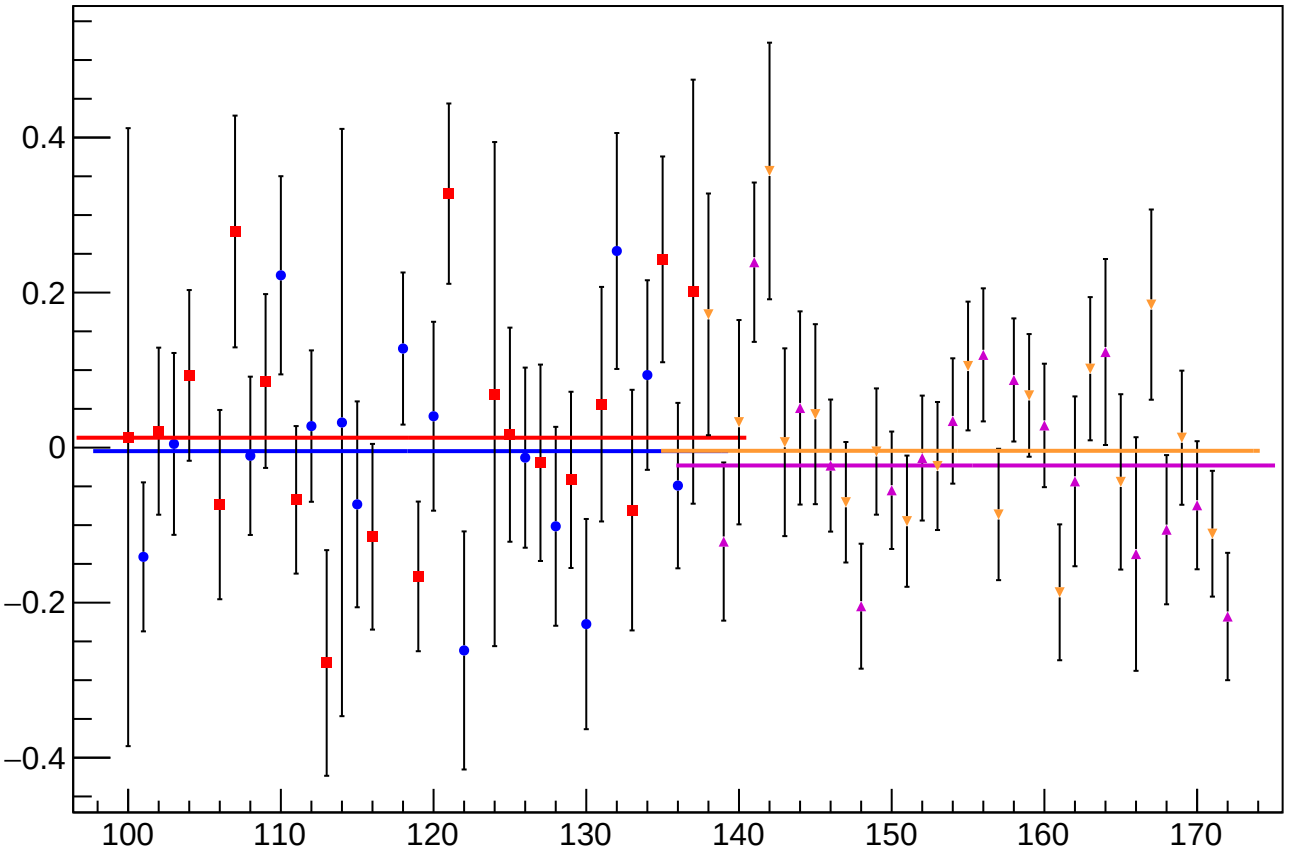
Left: 0.000+/-0.000 χ^2/NDF: 3814604.3/34

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:5772366.1/36

All: 0.000+/-0.000 χ^2/NDF: 11103772.5/69



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.004+/-0.022 χ^2/NDF:21.6/17

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.023+/-0.022 χ^2/NDF:27.5/16

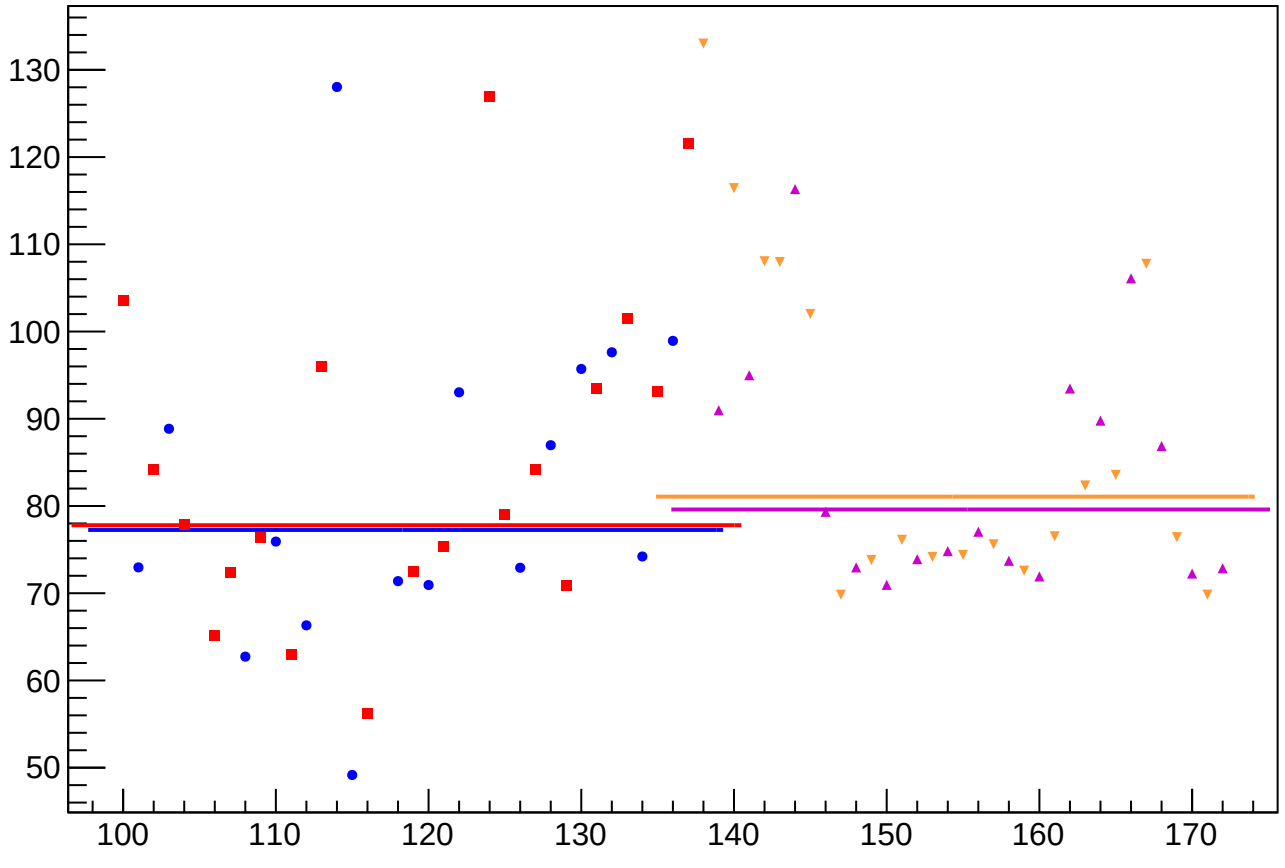
Left: -0.014+/-0.016 χ^2/NDF: 49.5/34

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.017+/-0.018 χ^2/NDF:45.1/32

Out: 0.002+/-0.018 χ^2/NDF:47.3/36

All: -0.007+/-0.013 χ^2/NDF: 92.9/69



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.071+/-0.016 χ^2/NDF:851185.9/17

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.599+/-0.016 χ^2/NDF:480374.5/16

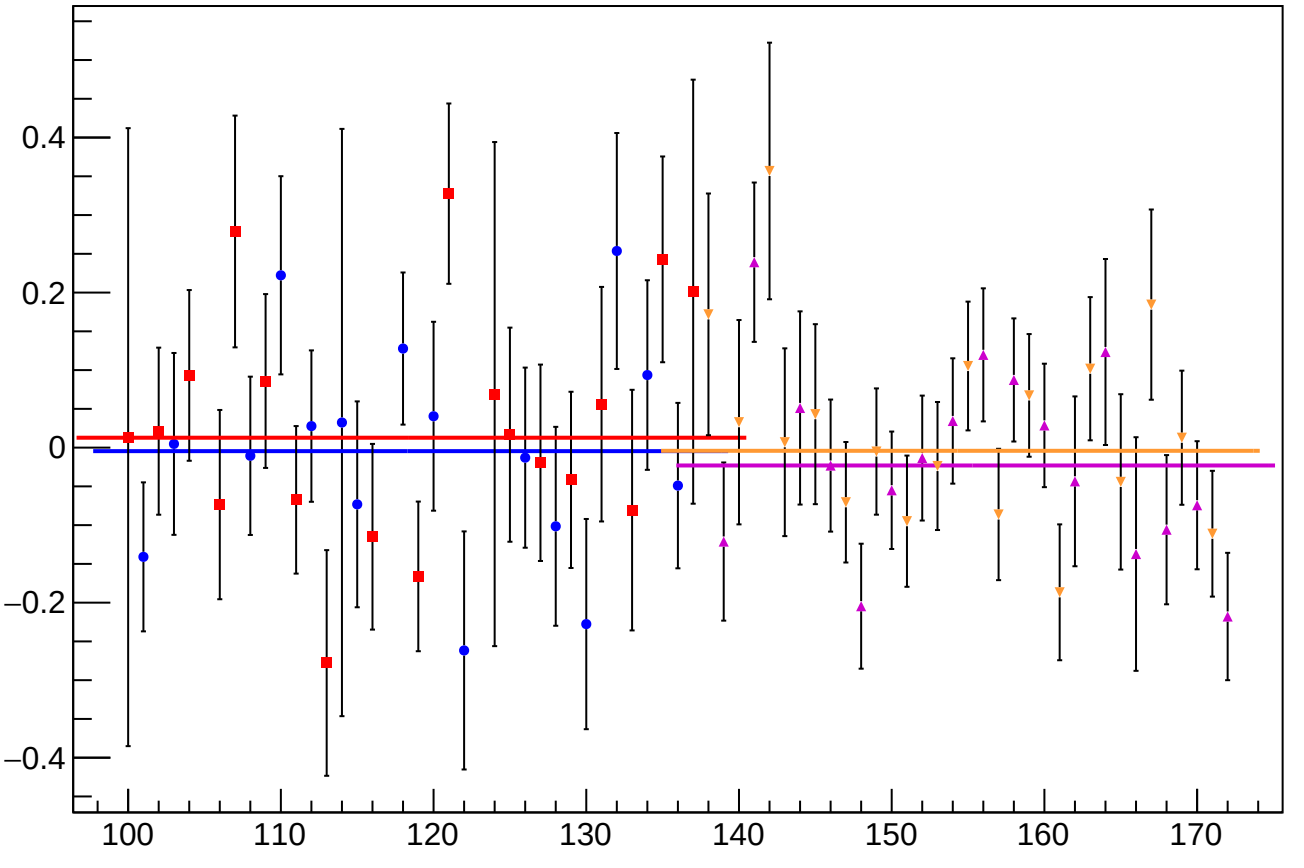
Left: 80.321+/-0.011 χ^2/NDF: 1335977.1/34

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

In: 78.786+/-0.013 χ^2/NDF:907583.0/32

Out: 79.888+/-0.013 χ^2/NDF:1263169.3/36

All: 79.332+/-0.009 χ^2/NDF: 2174589.2/69



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.004+/-0.022 χ^2/NDF:21.6/17

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.023+/-0.022 χ^2/NDF:27.5/16

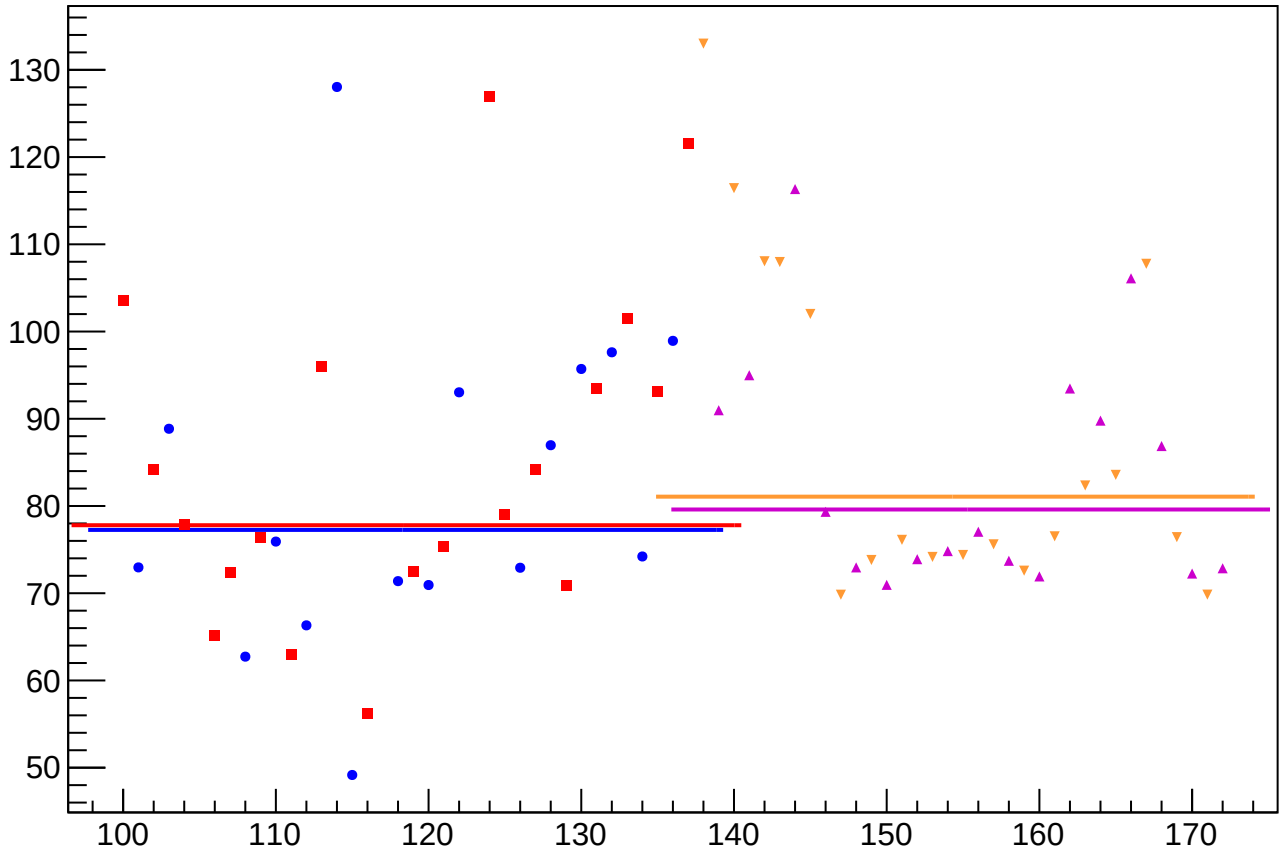
Left: -0.014+/-0.016 χ^2/NDF: 49.5/34

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.017+/-0.018 χ^2/NDF:45.1/32

Out: 0.002+/-0.018 χ^2/NDF:47.3/36

All: -0.007+/-0.013 χ^2/NDF: 92.9/69



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 81.071+/-0.016 χ^2/NDF:851185.9/17

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.599+/-0.016 χ^2/NDF:480374.5/16

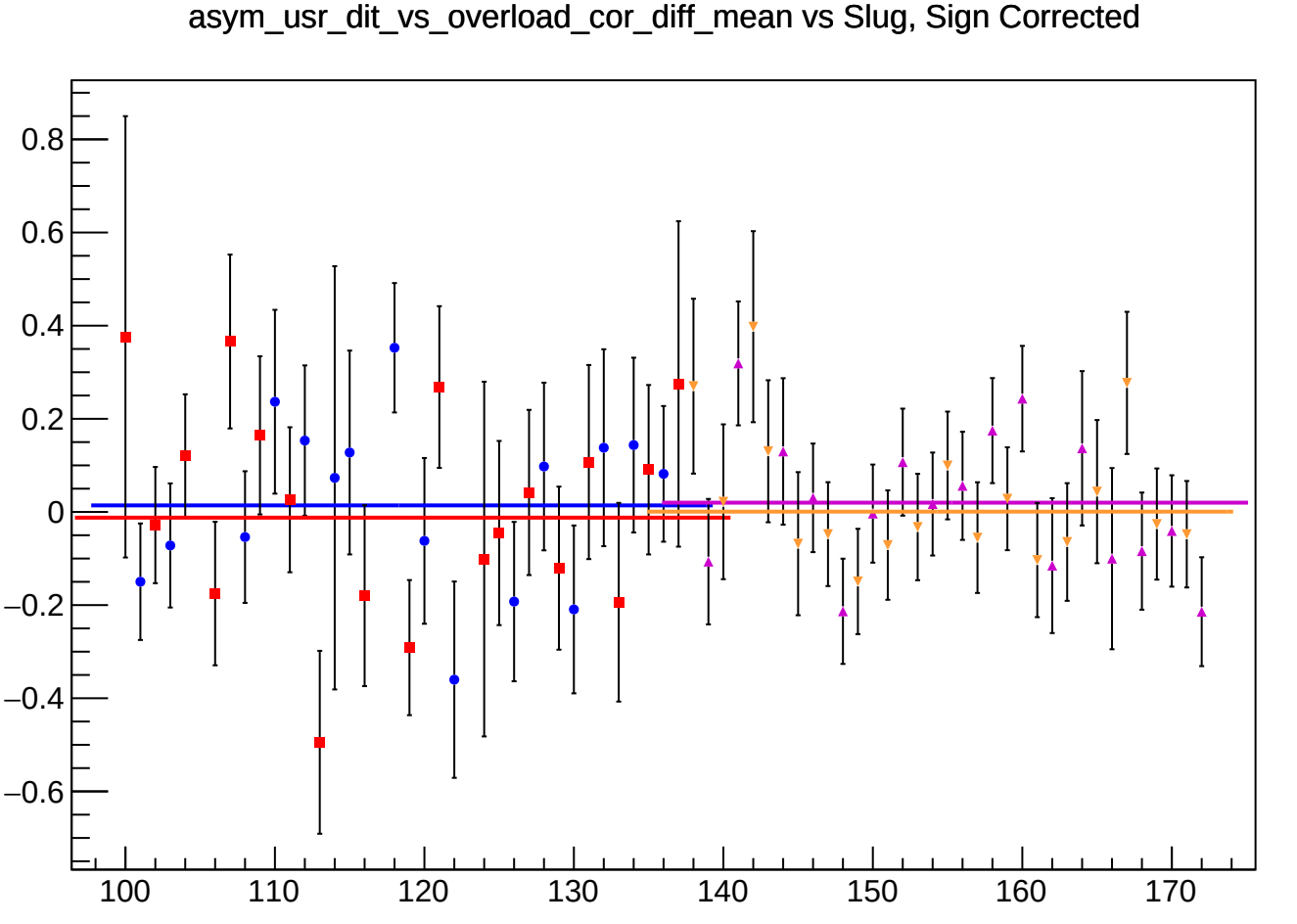
Left: 80.321+/-0.011 χ^2/NDF: 1335977.1/34

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

In: 78.786+/-0.013 χ^2/NDF:907583.0/32

Out: 79.888+/-0.013 χ^2/NDF:1263169.3/36

All: 79.332+/-0.009 χ^2/NDF: 2174589.2/69



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: 0.001+/-0.031 χ^2/NDF:14.7/17

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.020+/-0.030 χ^2/NDF:23.9/16

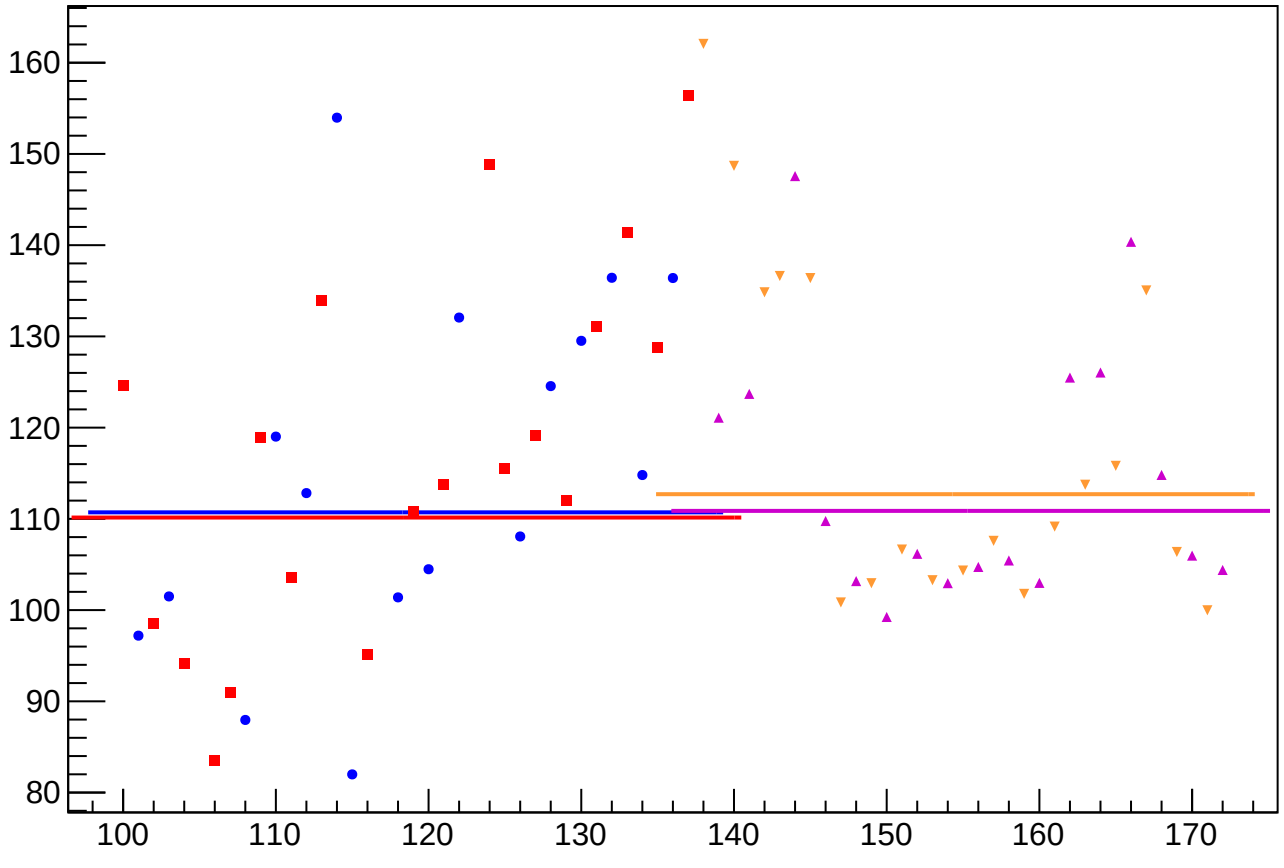
Left: 0.010+/-0.021 χ^2/NDF: 38.8/34

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.018+/-0.025 χ^2/NDF:42.1/32

Out: -0.004+/-0.025 χ^2/NDF:38.6/36

All: 0.007+/-0.017 χ^2/NDF: 81.0/69



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 112.705+/-0.022 χ^2/NDF:518193.3/17

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 110.874+/-0.021 χ^2/NDF:301025.3/16

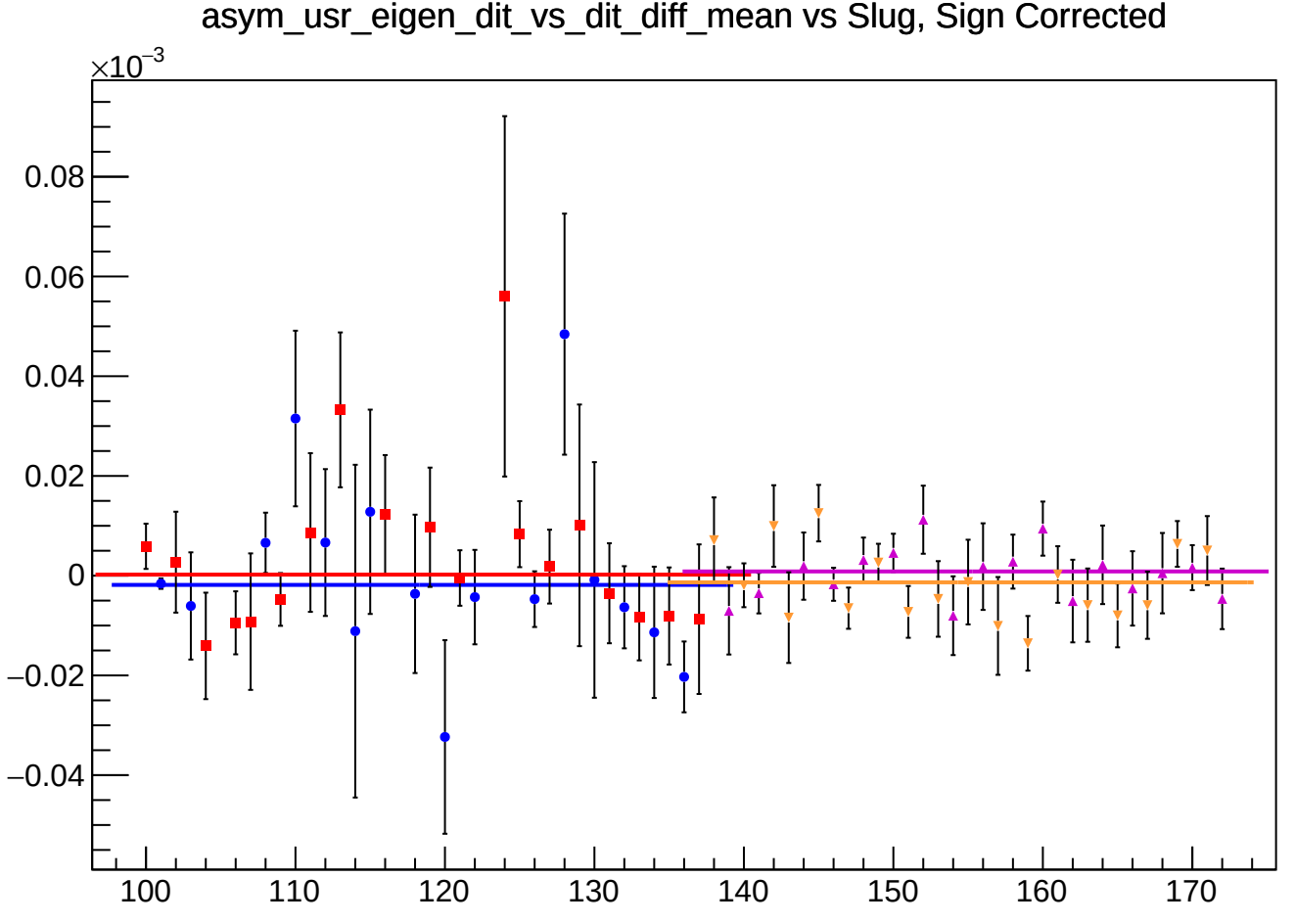
Left: 111.777+/-0.015 χ^2/NDF: 822853.1/34

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

In: 110.820+/-0.017 χ^2/NDF:601017.0/32

Out: 111.799+/-0.017 χ^2/NDF:849883.7/36

All: 111.309+/-0.012 χ^2/NDF: 1452488.2/69



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

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

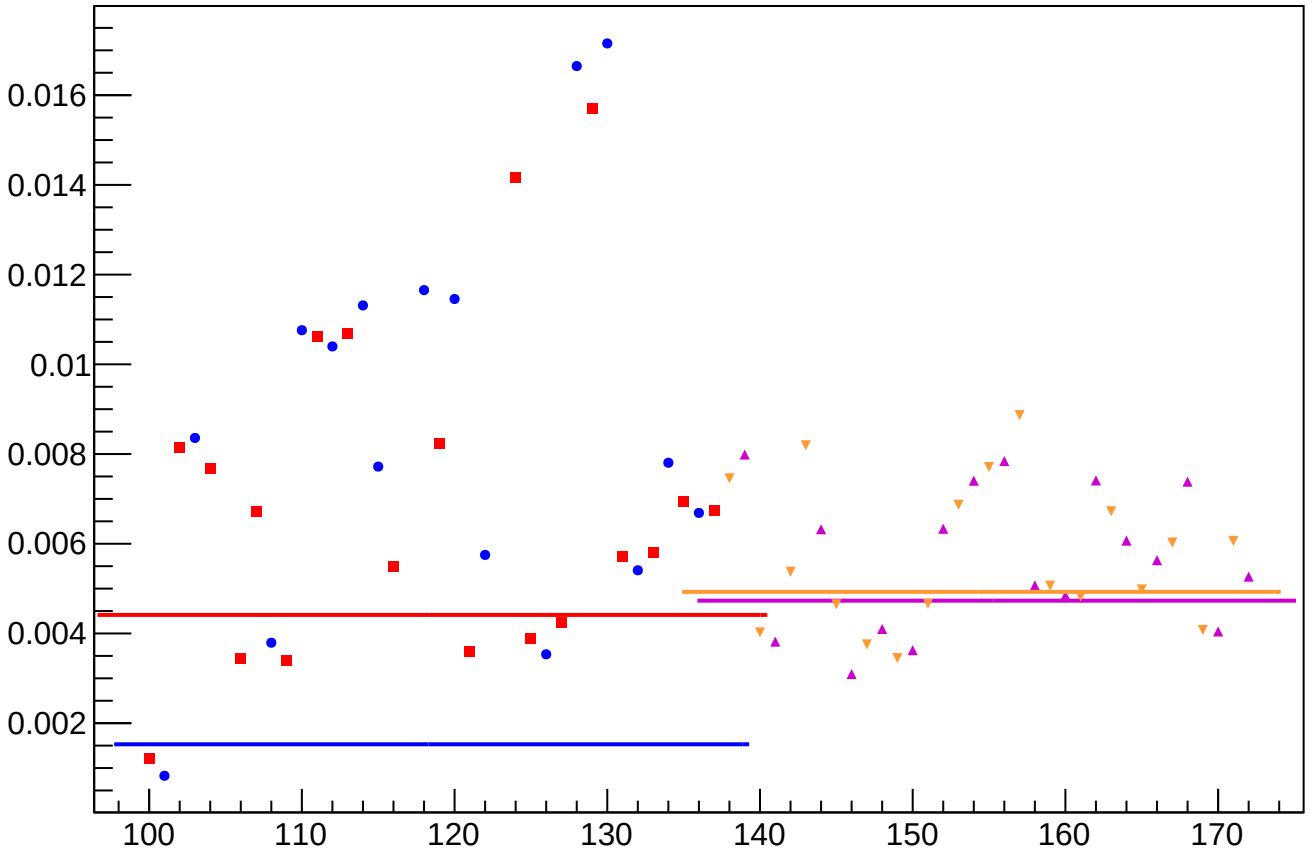
Left: -0.000+/-0.000 χ^2/NDF: 38.0/34

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:45.4/36

All: -0.000+/-0.000 χ^2/NDF: 81.1/69



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1965196.5/17

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.005+/-0.000 χ^2/NDF:2361617.3/16

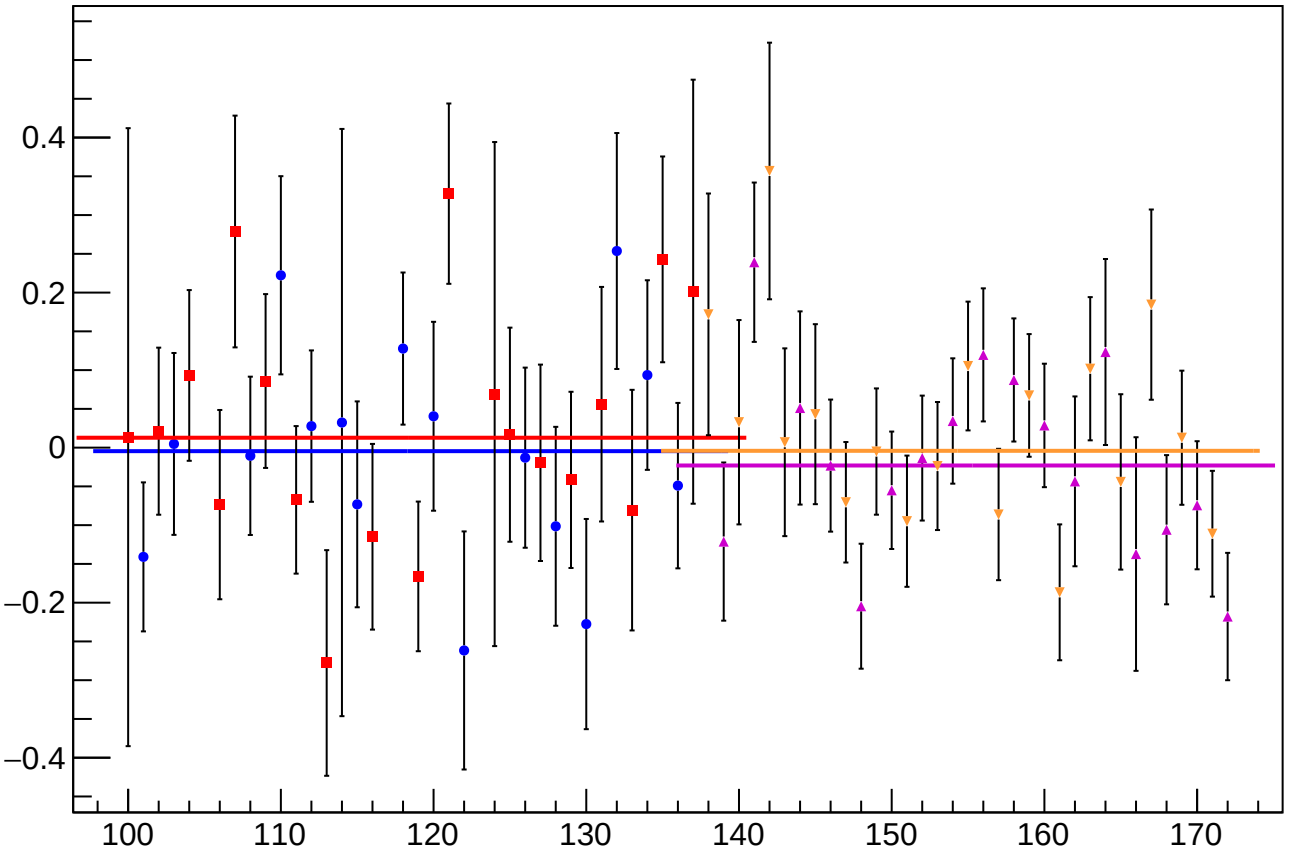
Left: 0.005+/-0.000 χ^2/NDF: 4347916.3/34

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:5447664.4/36

All: 0.003+/-0.000 χ^2/NDF: 29332816.7/69



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.004+/-0.022 χ^2/NDF:21.6/17

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.023+/-0.022 χ^2/NDF:27.5/16

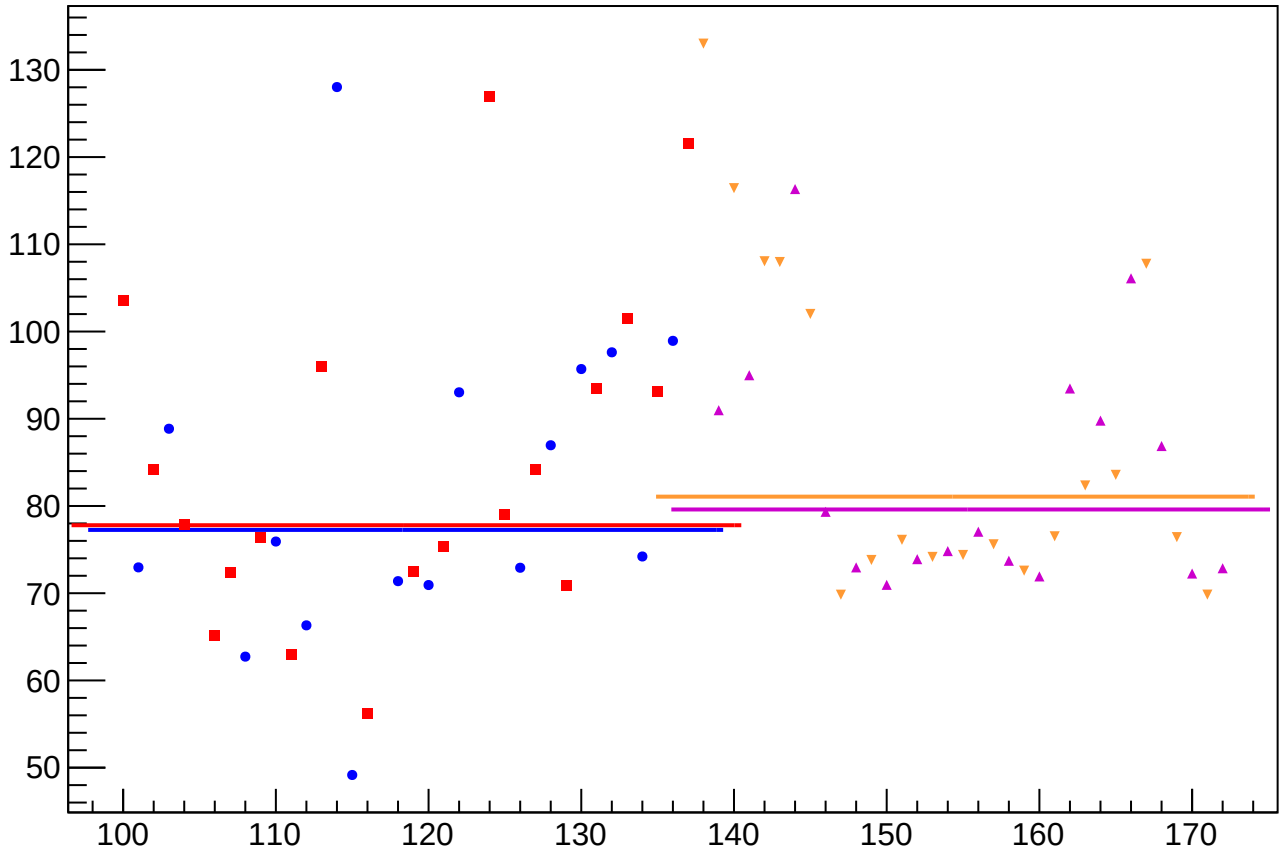
Left: -0.014+/-0.016 χ^2/NDF: 49.5/34

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.017+/-0.018 χ^2/NDF:45.1/32

Out: 0.002+/-0.018 χ^2/NDF:47.3/36

All: -0.007+/-0.013 χ^2/NDF: 92.9/69



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 81.071+/-0.016 χ^2/NDF:851189.8/17

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.600+/-0.016 χ^2/NDF:480377.4/16

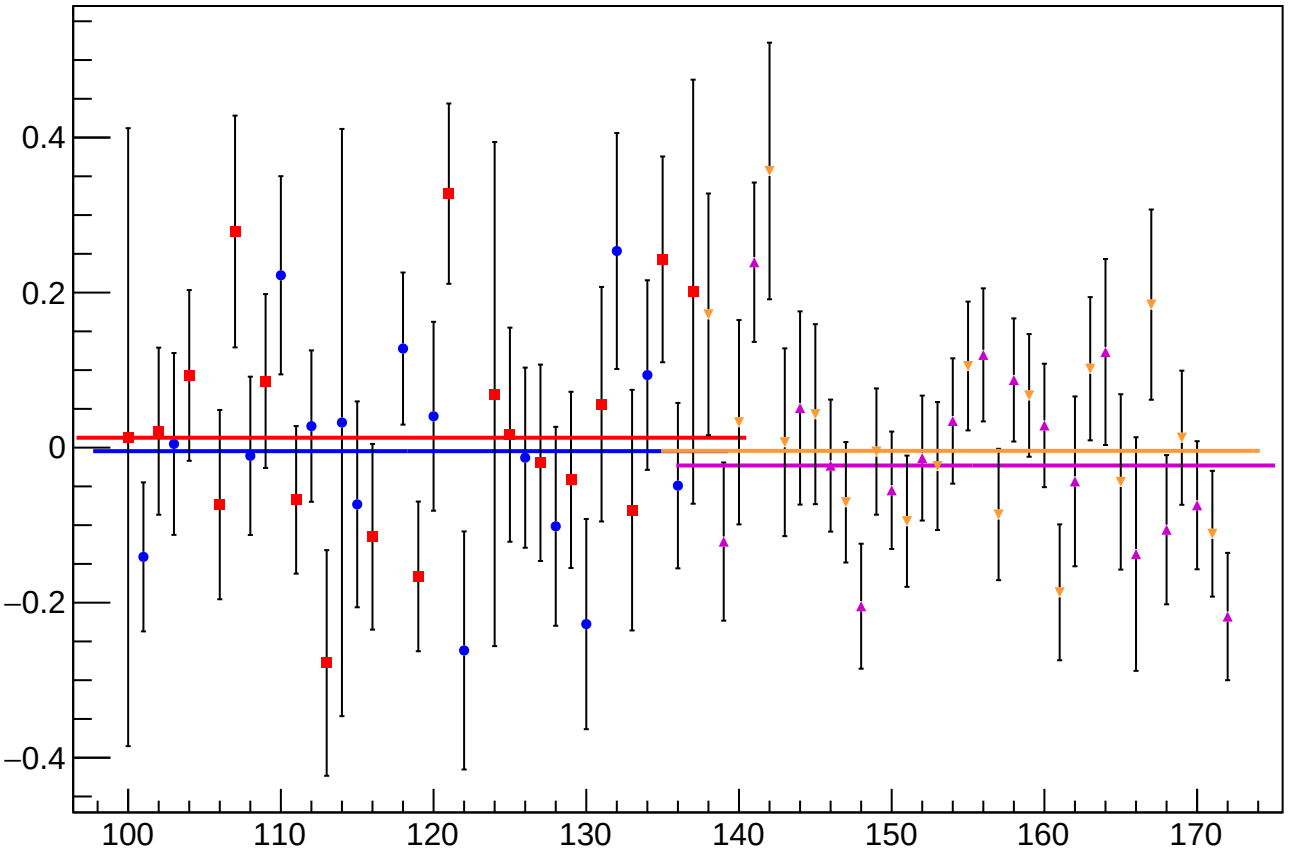
Left: 80.322+/-0.011 χ^2/NDF: 1335983.9/34

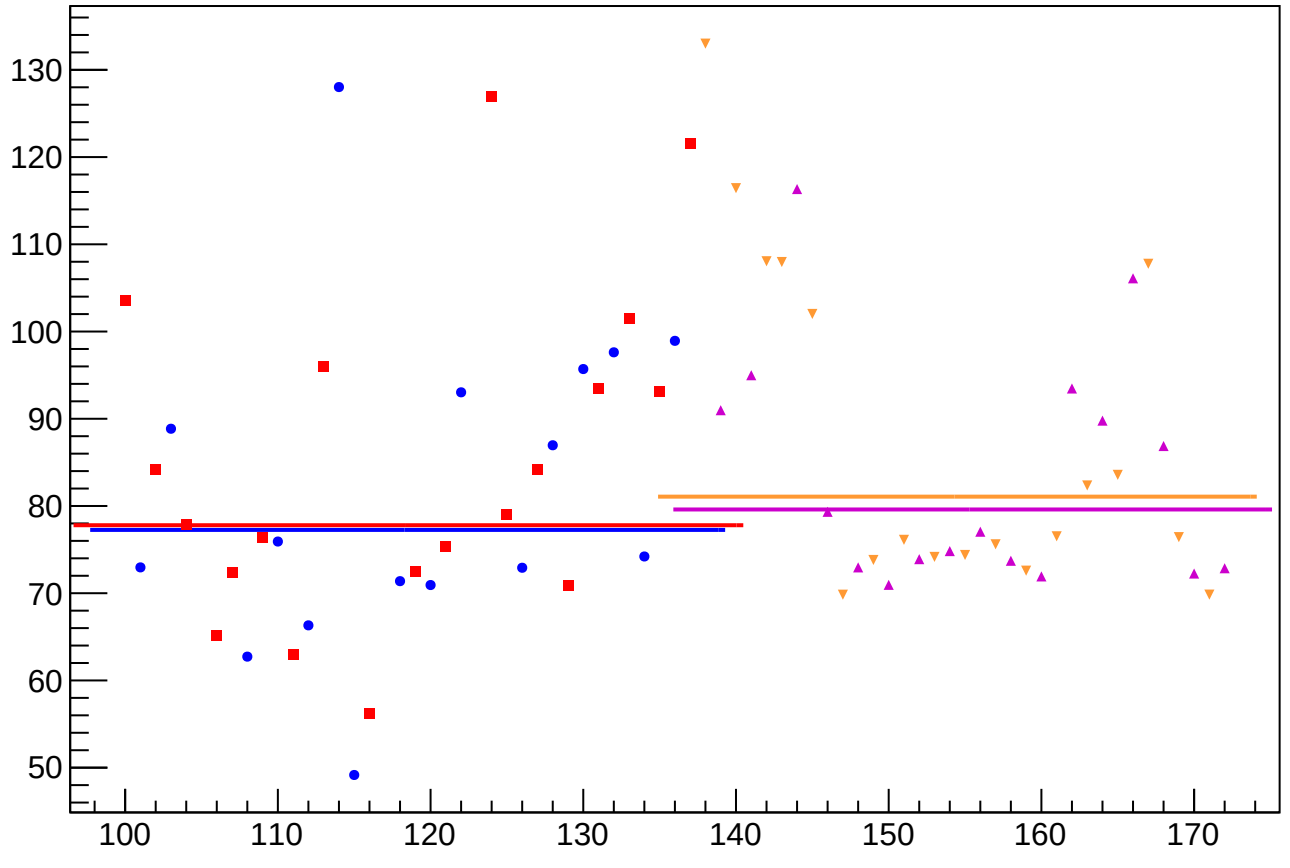
Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 78.786+/-0.013 χ^2/NDF:907586.8/32

Out: 79.888+/-0.013 χ^2/NDF:1263190.4/36

All: 79.332+/-0.009 χ^2/NDF: 2174613.8/69


asym_usr_eigen_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: -0.005+/-0.030 χ²/NDF: 17.3/15
Left Out: -0.004+/-0.022 χ²/NDF:21.6/17
Right Out: 0.013+/-0.030 χ²/NDF: 25.5/18
Left In: -0.023+/-0.022 χ²/NDF:27.5/16
Left: -0.014+/-0.016 χ²/NDF: 49.5/34
Right: 0.004+/-0.021 χ²/NDF: 42.9/34
In: -0.017+/-0.018 χ²/NDF:45.1/32
Out: 0.002+/-0.018 χ²/NDF:47.3/36
All: -0.007+/-0.013 χ²/NDF: 92.9/69



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 81.071+/-0.016 χ^2/NDF:851189.8/17

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.600+/-0.016 χ^2/NDF:480377.4/16

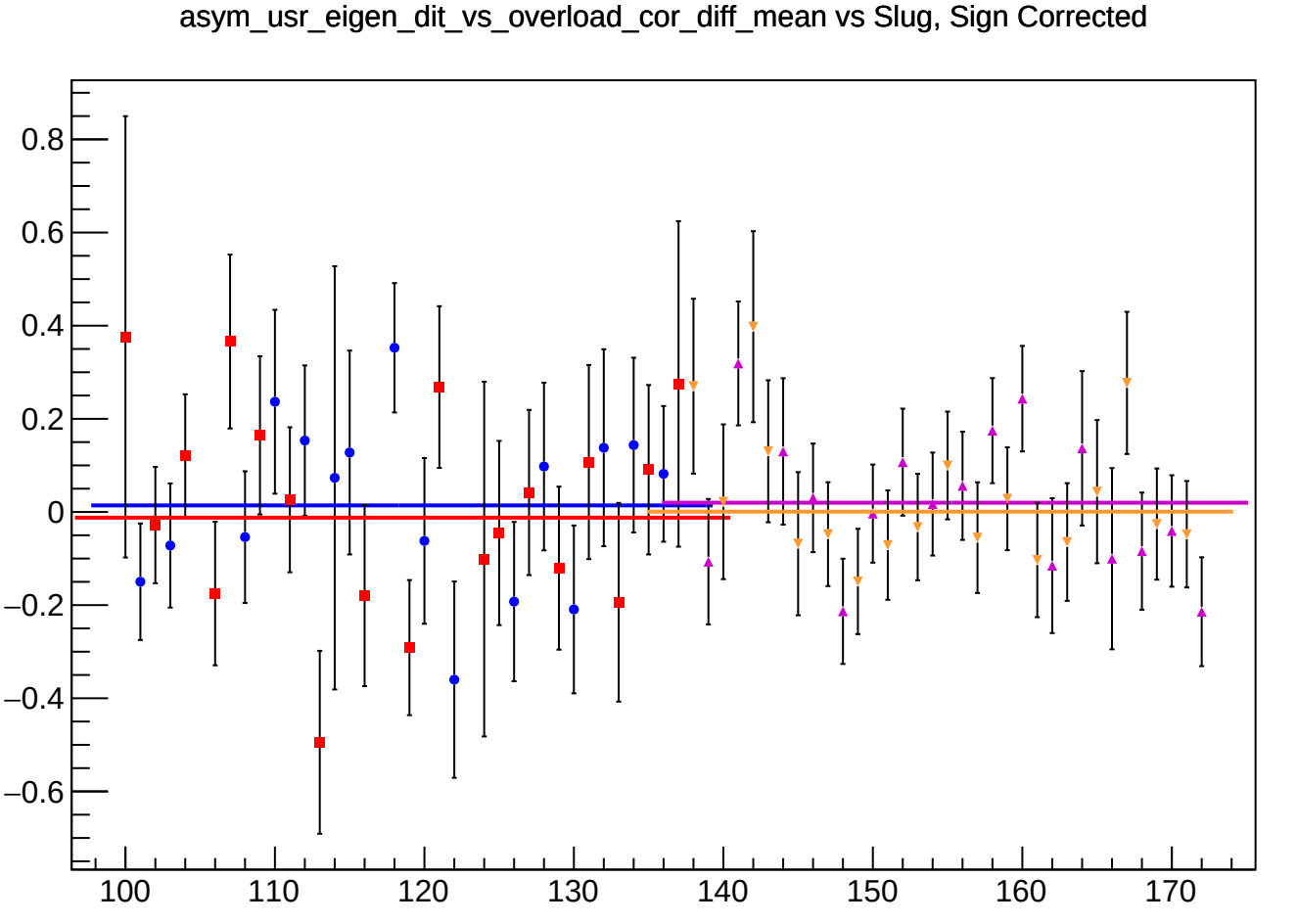
Left: 80.322+/-0.011 χ^2/NDF: 1335983.9/34

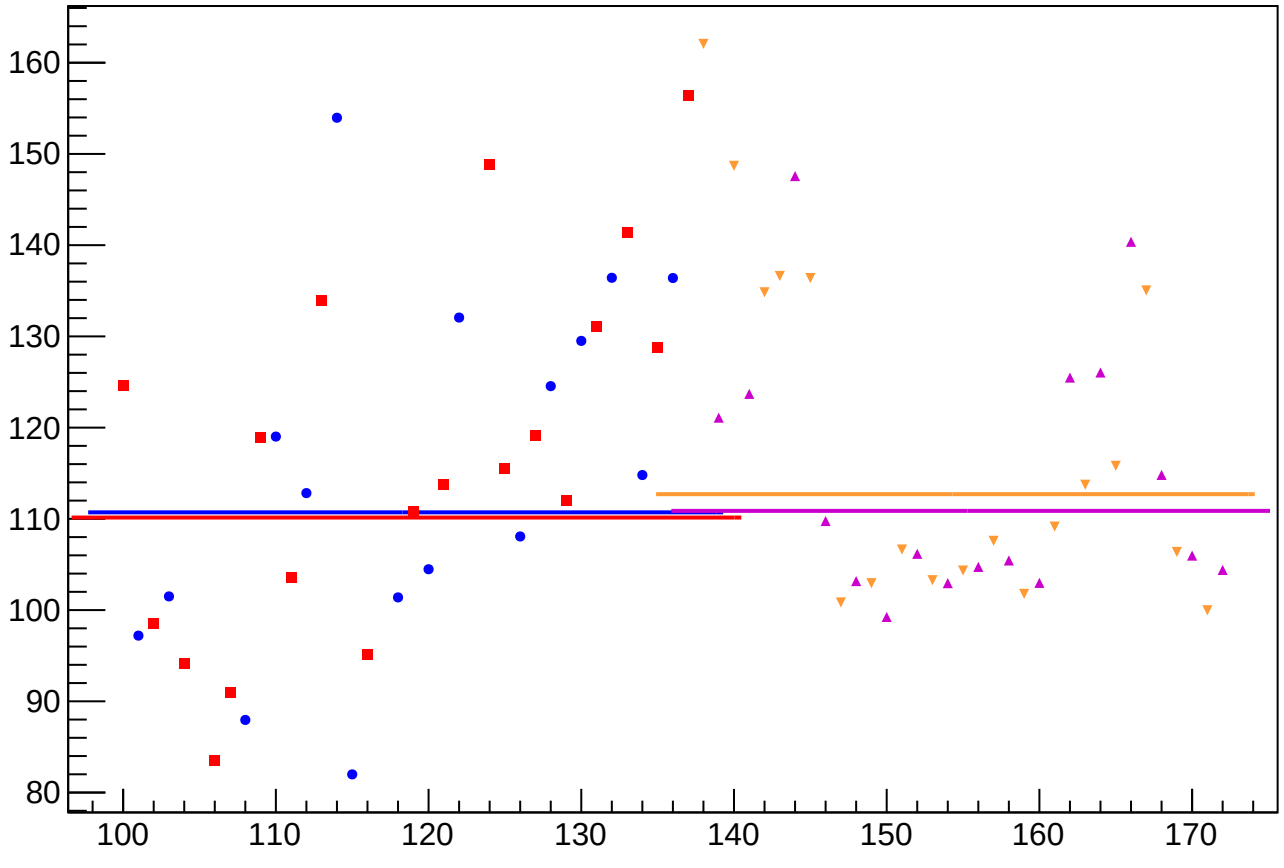
Right: 77.529+/-0.015 χ^2/NDF: 816074.1/34

In: 78.786+/-0.013 χ^2/NDF:907586.8/32

Out: 79.888+/-0.013 χ^2/NDF:1263190.4/36

All: 79.332+/-0.009 χ^2/NDF: 2174613.8/69


asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: 0.001+/-0.031 χ²/NDF:14.7/17
Right Out: -0.012+/-0.041 χ²/NDF: 23.8/18
Left In: 0.020+/-0.030 χ²/NDF:23.9/16
Left: 0.010+/-0.021 χ²/NDF: 38.8/34
Right: 0.001+/-0.030 χ²/NDF: 42.1/34
In: 0.018+/-0.025 χ²/NDF:42.1/32
Out: -0.004+/-0.025 χ²/NDF:38.6/36
All: 0.007+/-0.017 χ²/NDF: 81.0/69



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 112.706+/-0.022 χ^2/NDF:518194.4/17

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 110.875+/-0.021 χ^2/NDF:301028.6/16

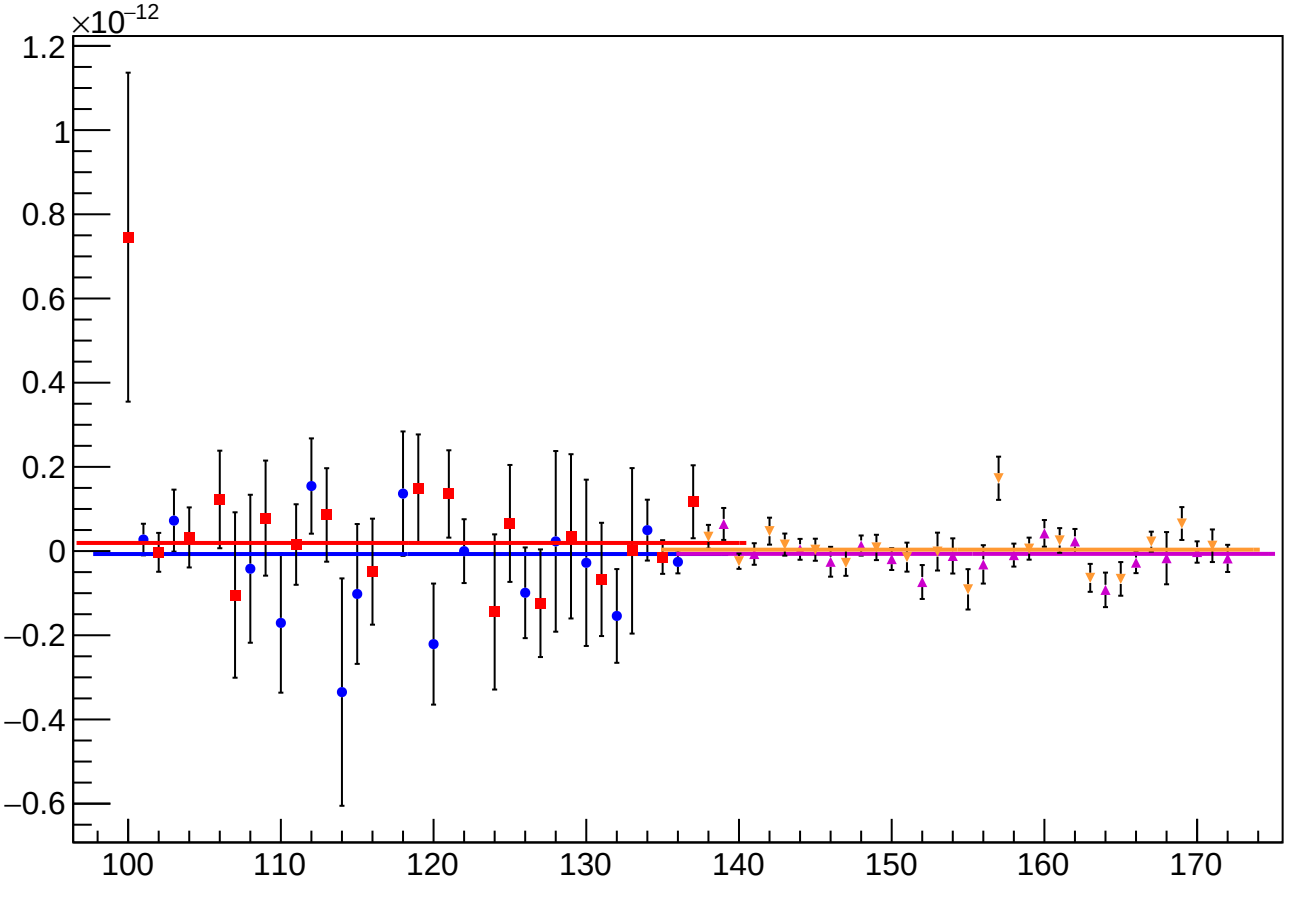
Left: 111.778+/-0.015 χ^2/NDF: 822857.7/34

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

In: 110.820+/-0.017 χ^2/NDF:600996.1/32

Out: 111.799+/-0.017 χ^2/NDF:849859.6/36

All: 111.309+/-0.012 χ^2/NDF: 1452443.4/69



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

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:16.6/16

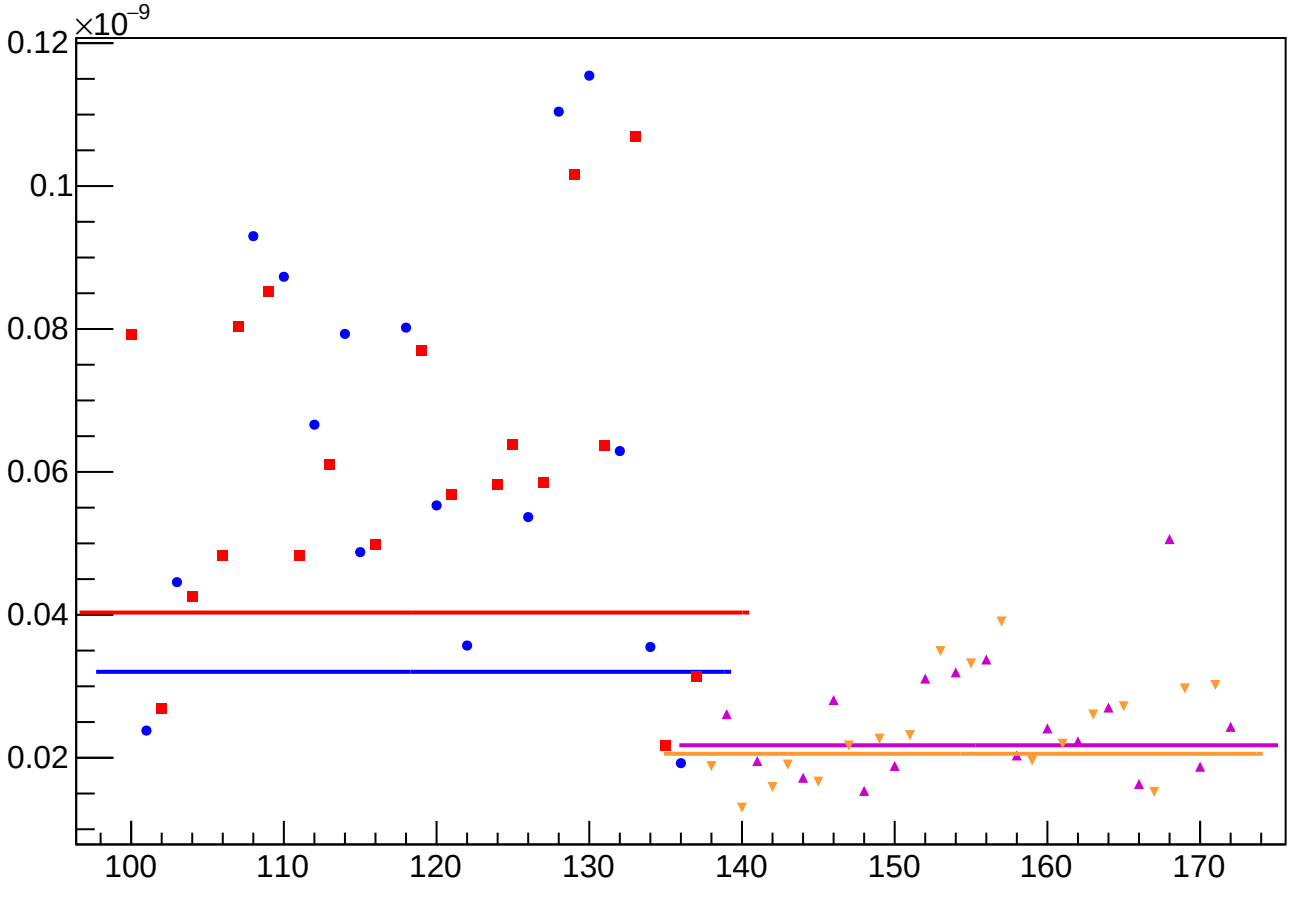
Left: -0.000+/-0.000 χ^2/NDF: 50.1/34

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:45.7/36

All: -0.000+/-0.000 χ^2/NDF: 77.4/69



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1527706.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1323301.6/16

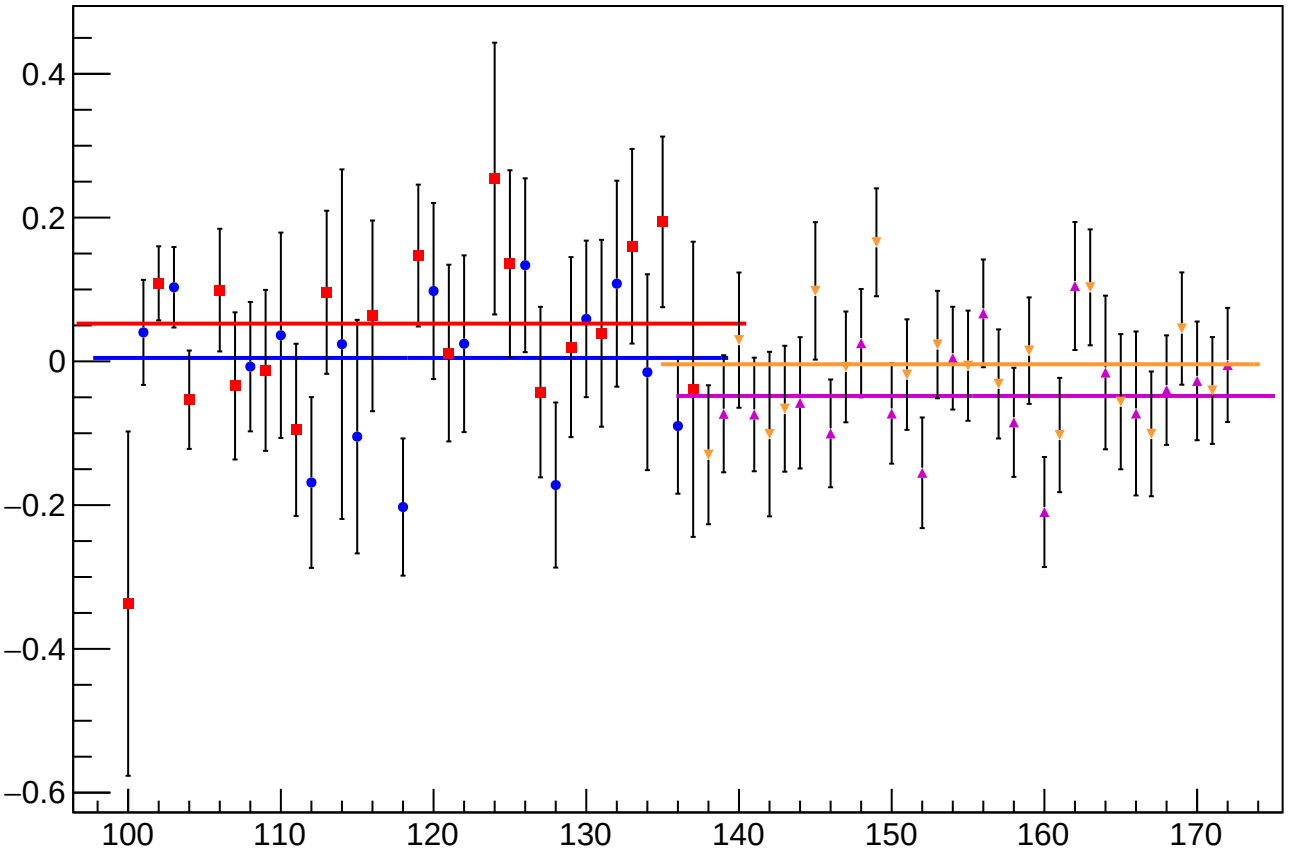
Left: 0.000+/-0.000 χ^2/NDF: 2877778.4/34

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:4966782.5/36

All: 0.000+/-0.000 χ^2/NDF: 9320808.0/69



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.004+/-0.019 χ^2/NDF:15.2/17

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.048+/-0.019 χ^2/NDF:14.7/16

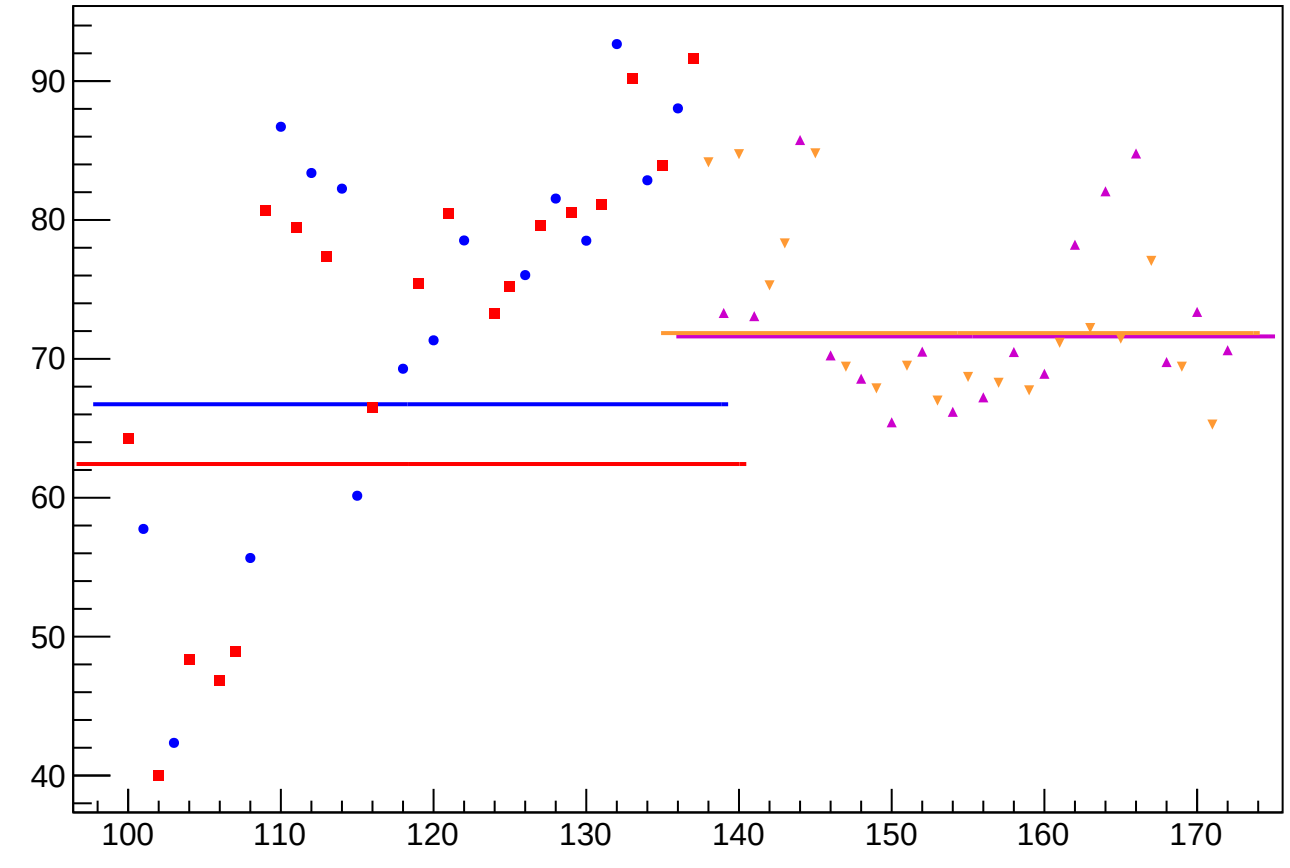
Left: -0.026+/-0.014 χ^2/NDF: 32.5/34

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.029+/-0.016 χ^2/NDF:34.0/32

Out: 0.018+/-0.015 χ^2/NDF:33.3/36

All: -0.005+/-0.011 χ^2/NDF: 72.1/69



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 71.856+/-0.014 χ^2/NDF:176219.7/17

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.616+/-0.014 χ^2/NDF:149979.4/16

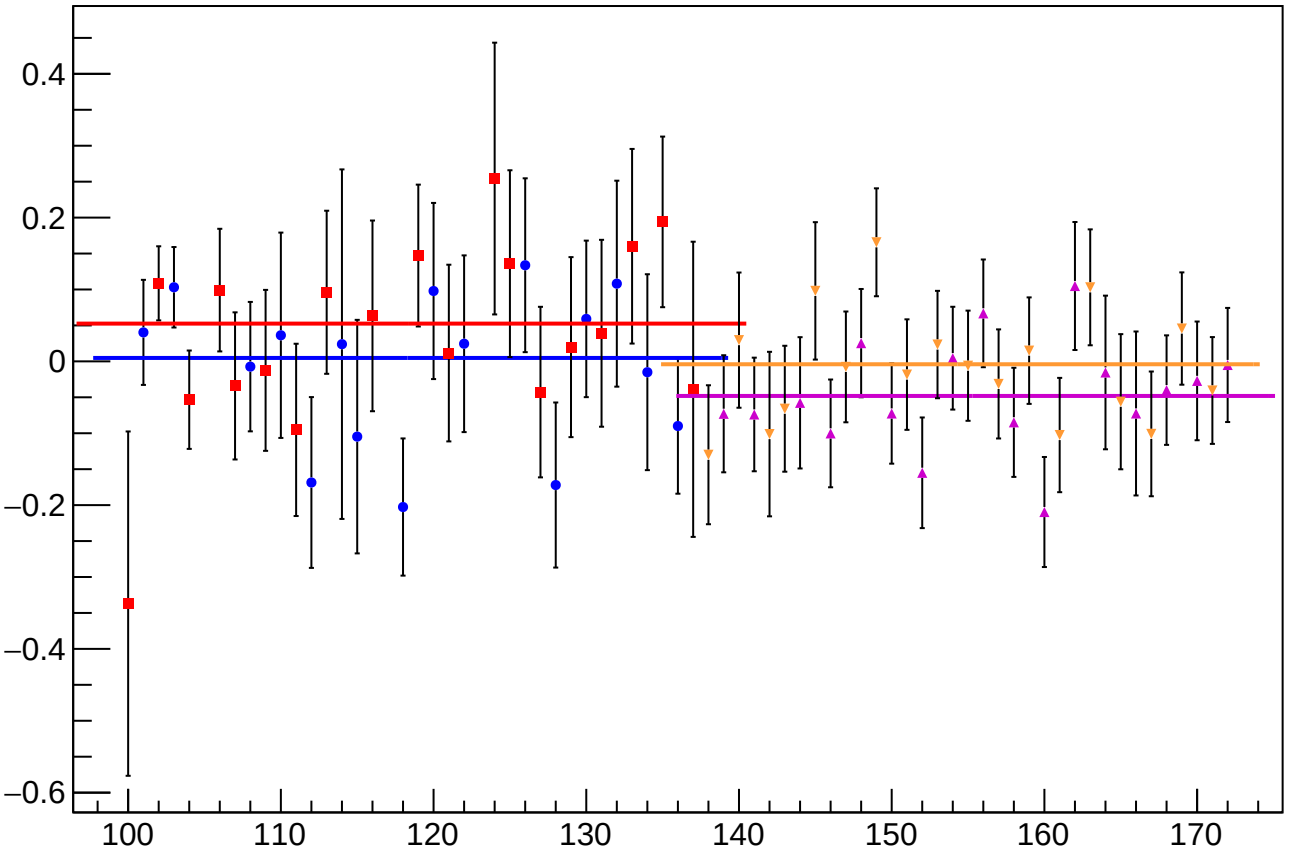
Left: 71.736+/-0.010 χ^2/NDF: 326351.2/34

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

In: 69.856+/-0.011 χ^2/NDF:1012216.4/32

Out: 68.149+/-0.011 χ^2/NDF:1476156.3/36

All: 68.978+/-0.008 χ^2/NDF: 2500767.1/69



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: -0.004+/-0.019 χ^2/NDF:15.2/17

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.048+/-0.019 χ^2/NDF:14.7/16

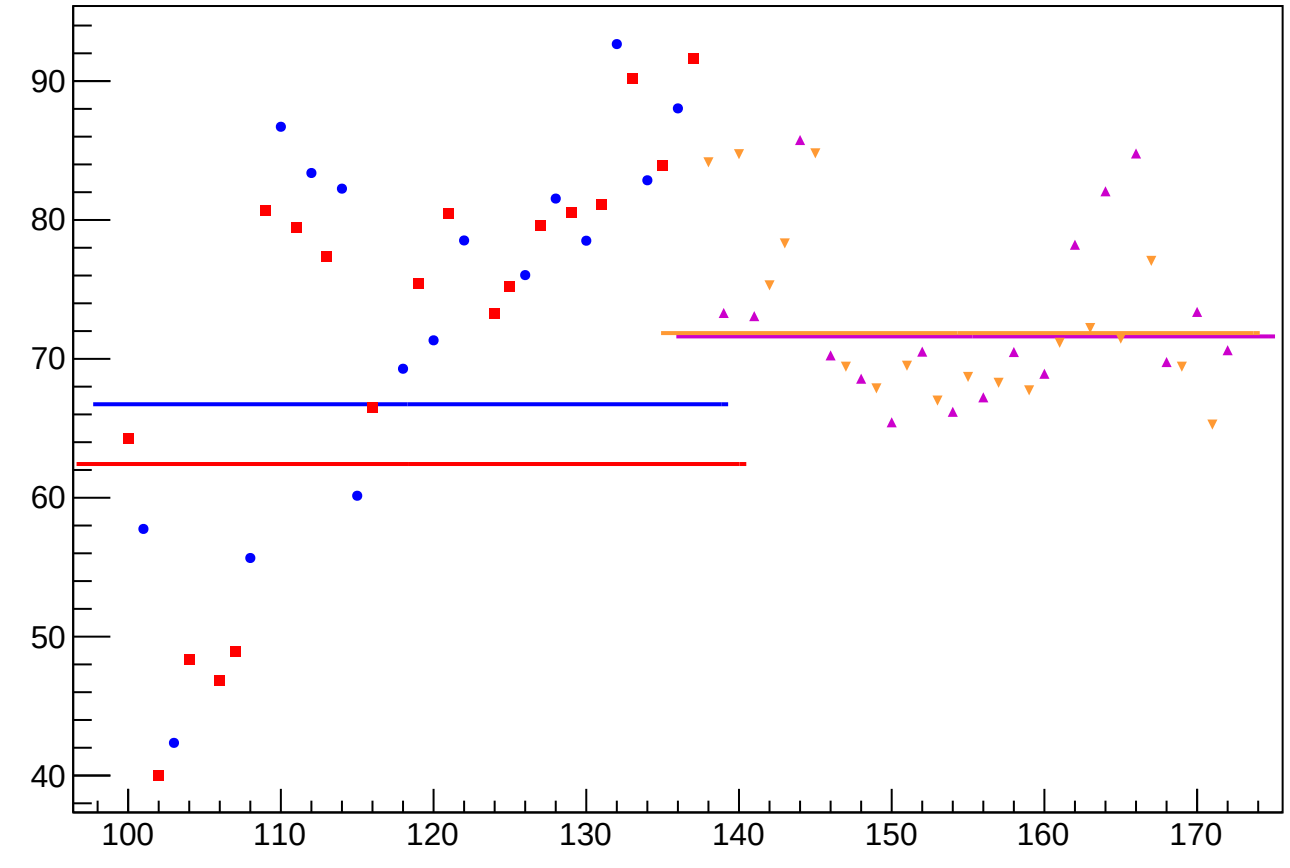
Left: -0.026+/-0.014 χ^2/NDF: 32.5/34

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.029+/-0.016 χ^2/NDF:34.0/32

Out: 0.018+/-0.015 χ^2/NDF:33.3/36

All: -0.005+/-0.011 χ^2/NDF: 72.1/69



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 71.856+/-0.014 χ^2/NDF:176219.7/17

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: 326351.2/34

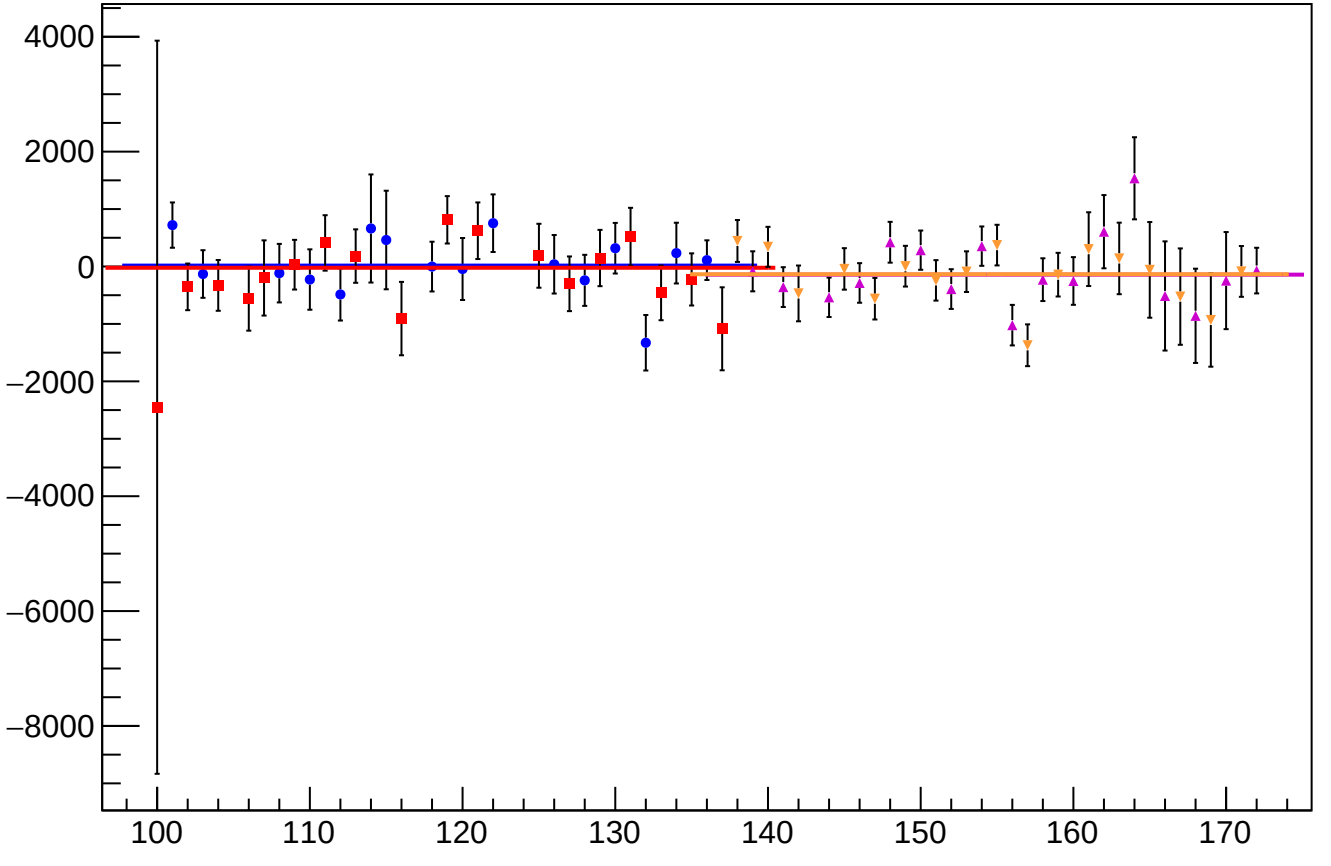
Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 69.856+/-0.011 χ^2/NDF:1012216.4/32

Out: 68.149+/-0.011 χ^2/NDF:1476156.3/36

All: 68.978+/-0.008 χ^2/NDF: 2500767.1/69

asym_dsl_mean vs Slug, Sign Corrected



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -135.127+/-101.931 χ^2/NDF:22.0/16

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: -138.722+/-70.917 χ^2/NDF: 44.8/33

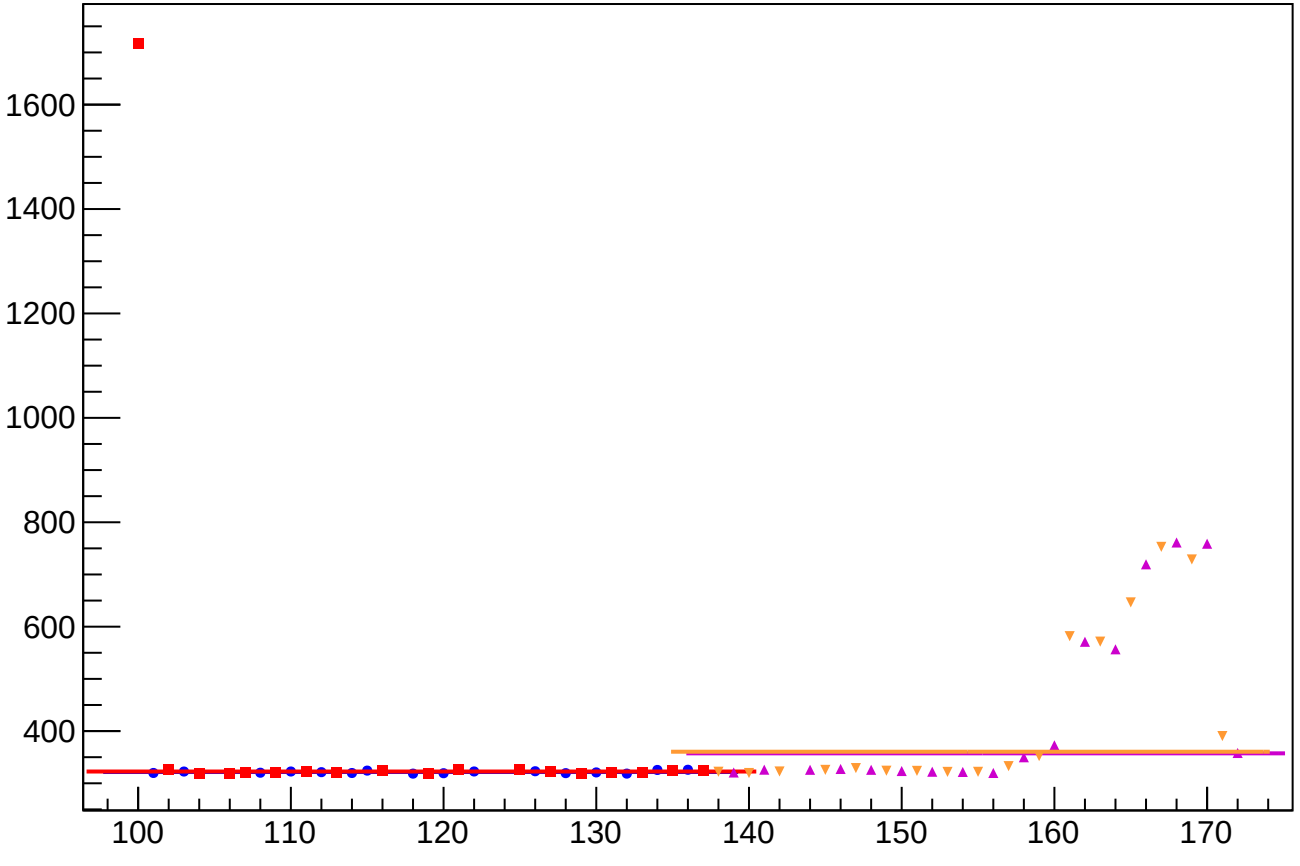
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -78.112+/-76.095 χ^2/NDF:40.4/32

Out: -87.411+/-77.472 χ^2/NDF:38.6/34

All: -82.678+/-54.288 χ^2/NDF: 78.9/67

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 360.484+/-0.072 χ^2/NDF:1757532.7/16

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: 358.875+/-0.050 χ^2/NDF: 3538953.2/33

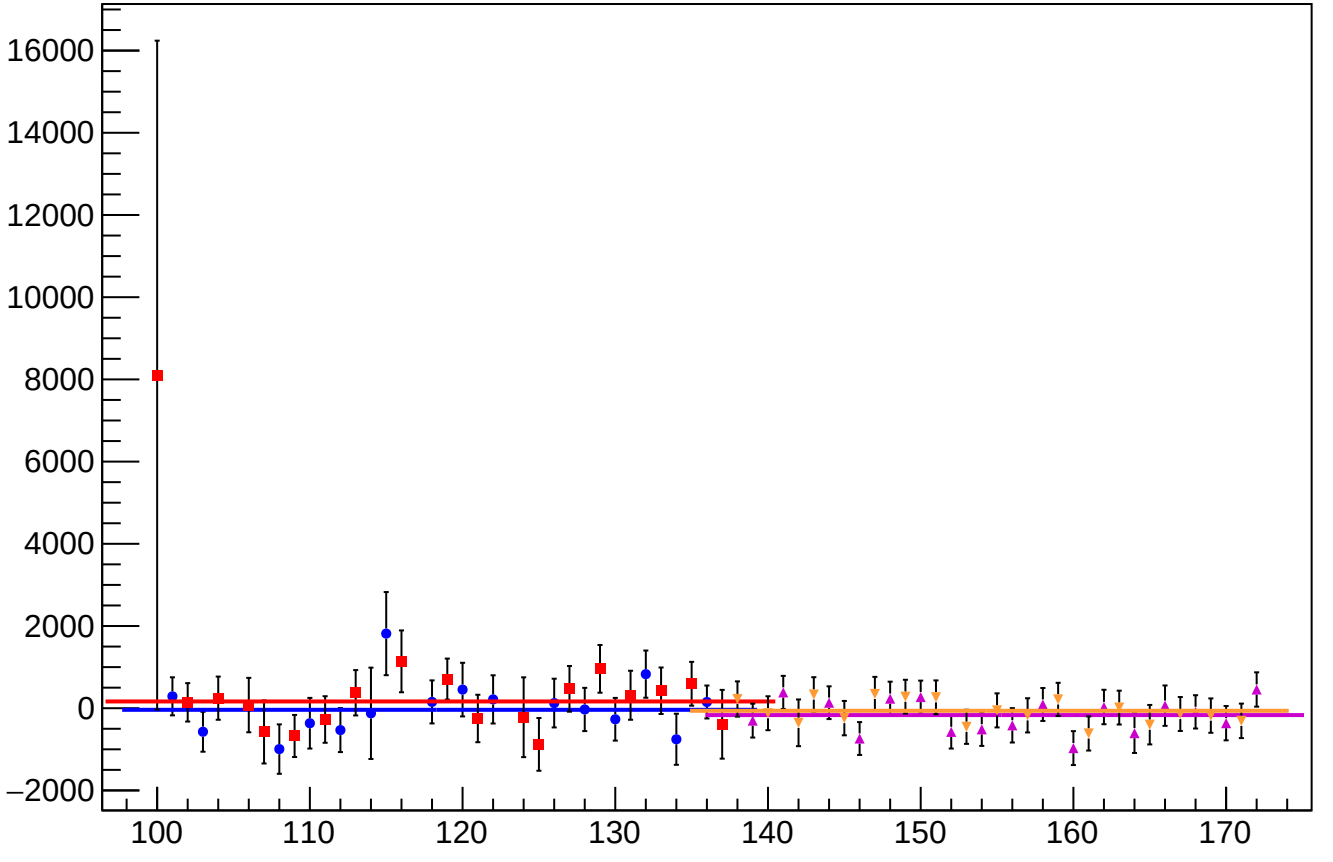
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 342.848+/-0.054 χ^2/NDF:1887802.7/32

Out: 344.465+/-0.055 χ^2/NDF:1971394.5/34

All: 343.642+/-0.038 χ^2/NDF: 3859640.4/67

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -62.645+/-99.895 χ^2/NDF:8.3/17

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: -114.390+/-70.947 χ^2/NDF: 25.6/34

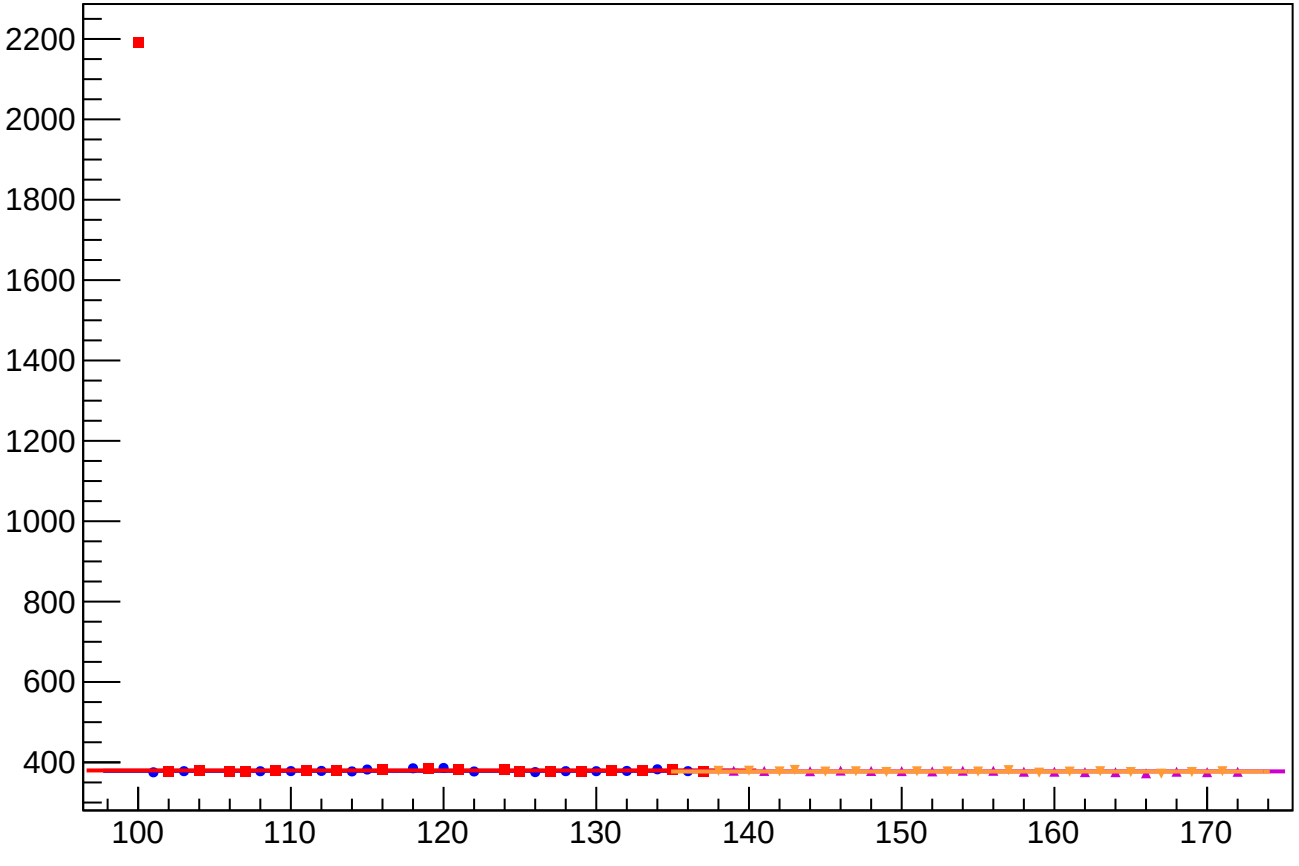
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -123.613+/-81.935 χ^2/NDF:31.1/32

Out: 14.791+/-81.112 χ^2/NDF:25.1/36

All: -53.712+/-57.644 χ^2/NDF: 57.7/69

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.217+/-0.071 χ^2/NDF:882.0/17

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 377.537+/-0.071 χ^2/NDF:513.6/16

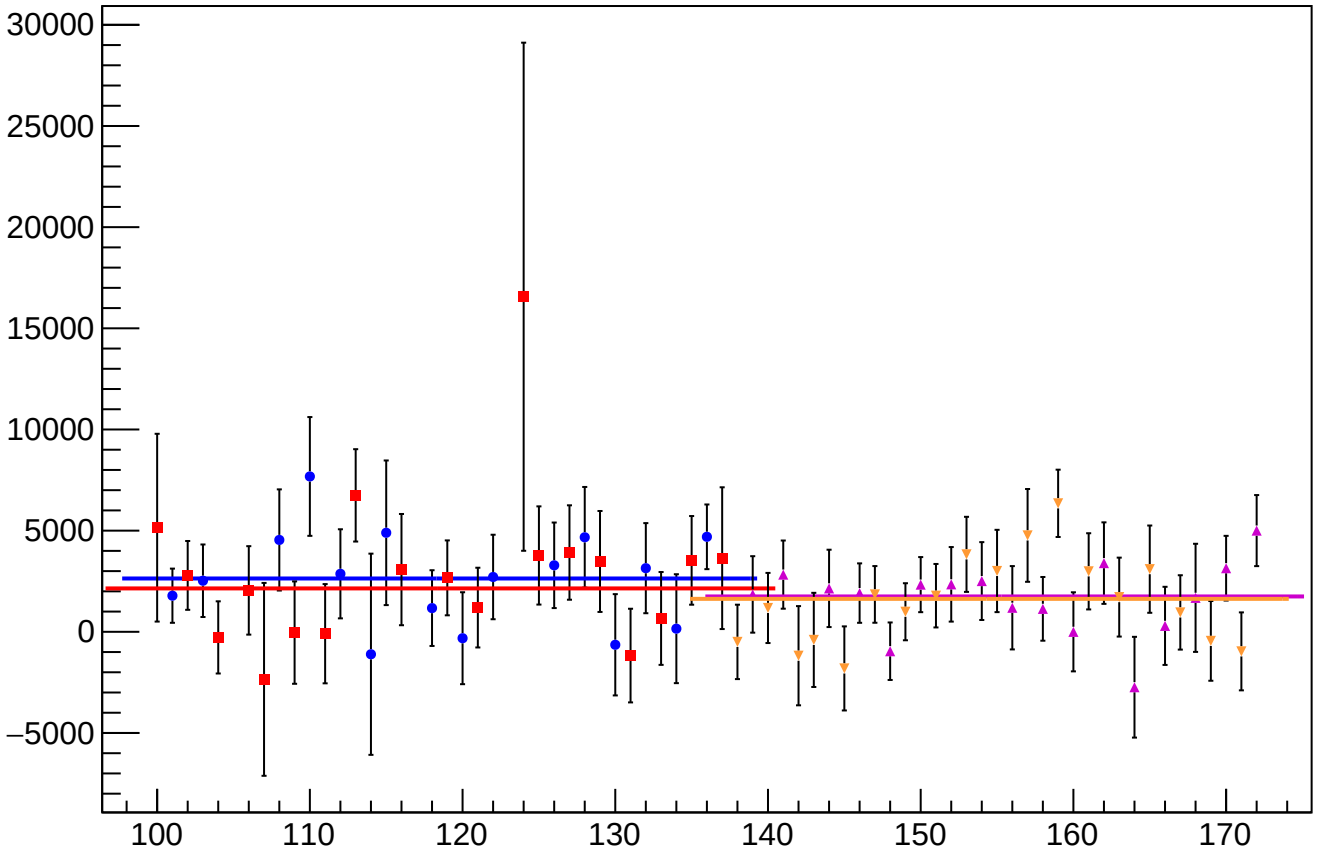
Left: 377.376+/-0.050 χ^2/NDF: 1405.8/34

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

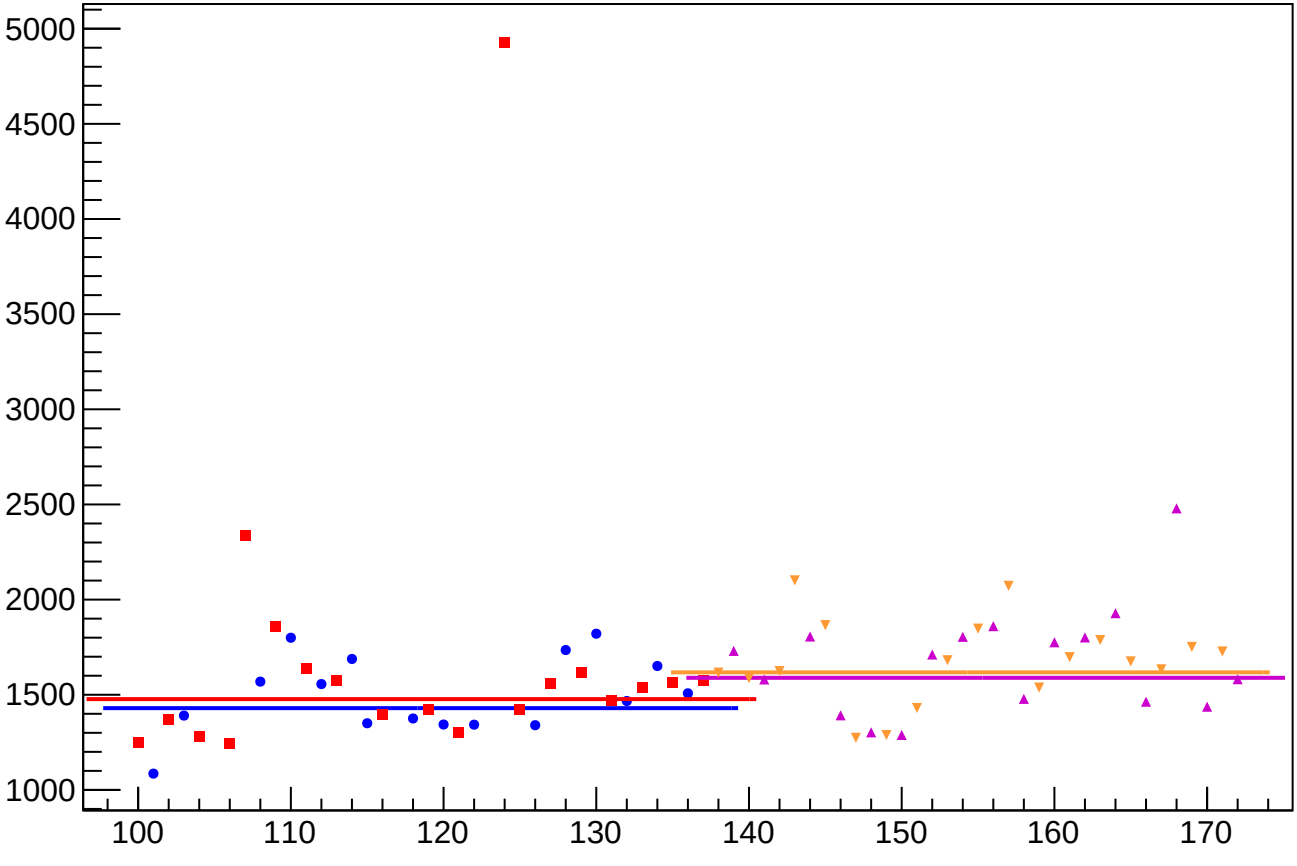
In: 378.003+/-0.058 χ^2/NDF:1490.5/32

Out: 378.123+/-0.057 χ^2/NDF:100987.0/36

All: 378.064+/-0.041 χ^2/NDF: 102479.7/69


asym_us_agg_avg_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
Right In: 2635.397+/-538.034 χ²/NDF: 12.3/15
Left Out: 1628.937+/-434.480 χ²/NDF:22.3/17
Right Out: 2144.569+/-546.963 χ²/NDF: 15.0/18
Left In: 1747.516+/-430.261 χ²/NDF:14.3/16
Left: 1688.805+/-305.721 χ²/NDF: 36.6/34
Right: 2394.022+/-383.566 χ²/NDF: 27.7/34
In: 2093.843+/-336.028 χ²/NDF:28.2/32
Out: 1828.422+/-340.207 χ²/NDF:37.9/36
All: 1962.773+/-239.072 χ²/NDF: 66.4/69

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1617.680+/-0.307 χ^2/NDF:520917.3/17

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: 1603.233+/-0.216 χ^2/NDF: 1181560.8/34

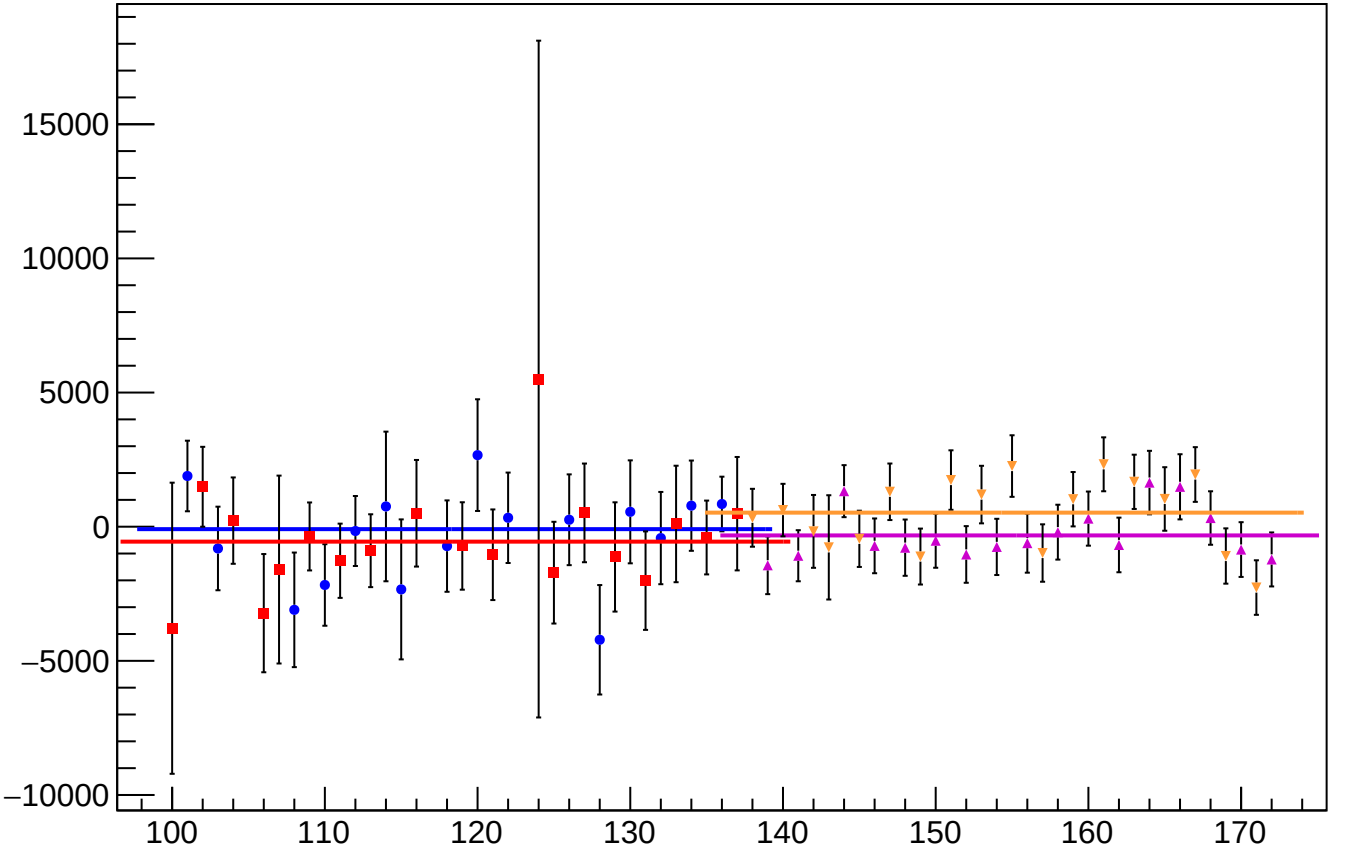
Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

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

Out: 1563.303+/-0.241 χ^2/NDF:971322.6/36

All: 1544.869+/-0.169 χ^2/NDF: 2039661.5/69

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 524.005+/-255.775 χ^2/NDF:27.4/17

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: 92.990+/-179.461 χ^2/NDF: 45.6/34

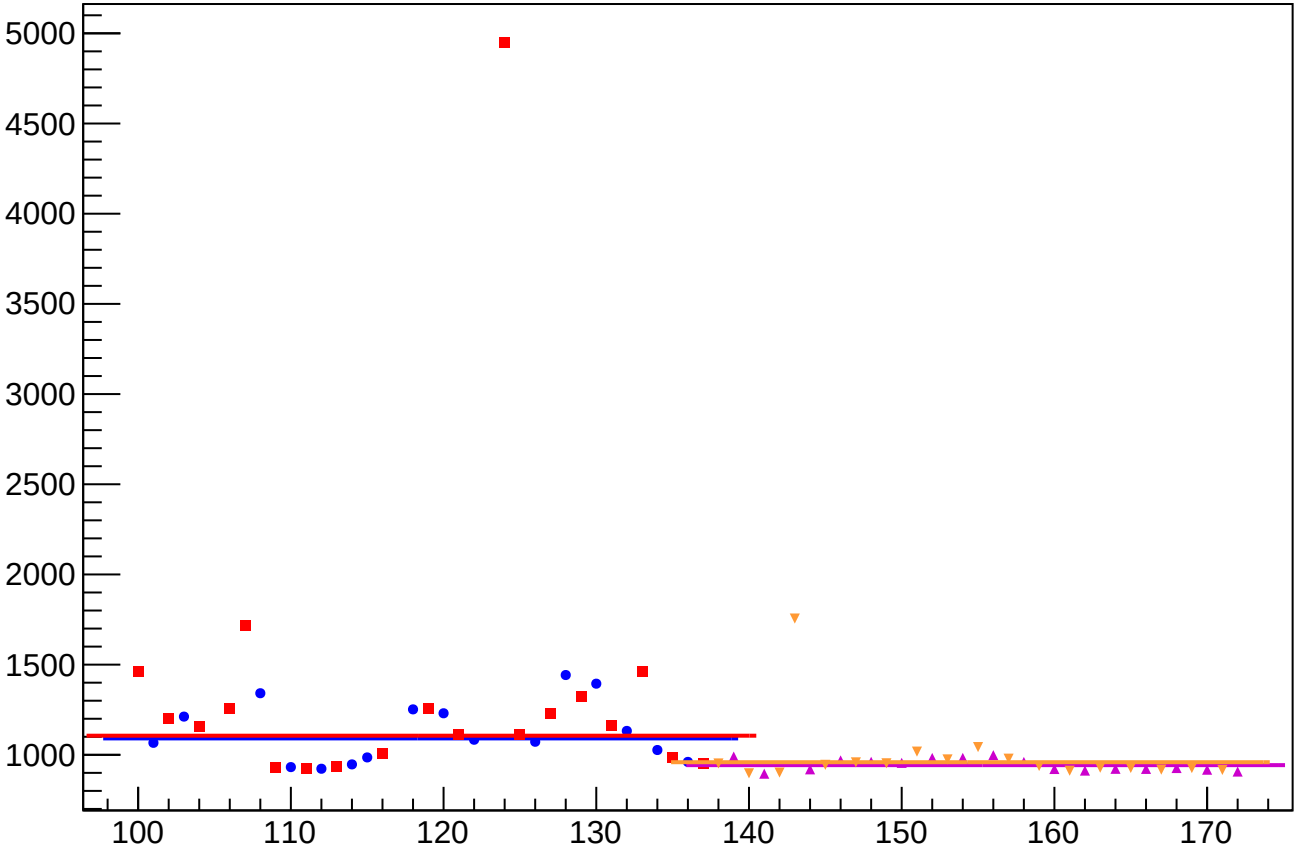
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

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

Out: 222.633+/-217.209 χ^2/NDF:39.1/36

All: -22.066+/-152.658 χ^2/NDF: 69.0/69

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 959.077+/-0.181 χ^2/NDF:382799.9/17

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: 950.829+/-0.127 χ^2/NDF: 418637.9/34

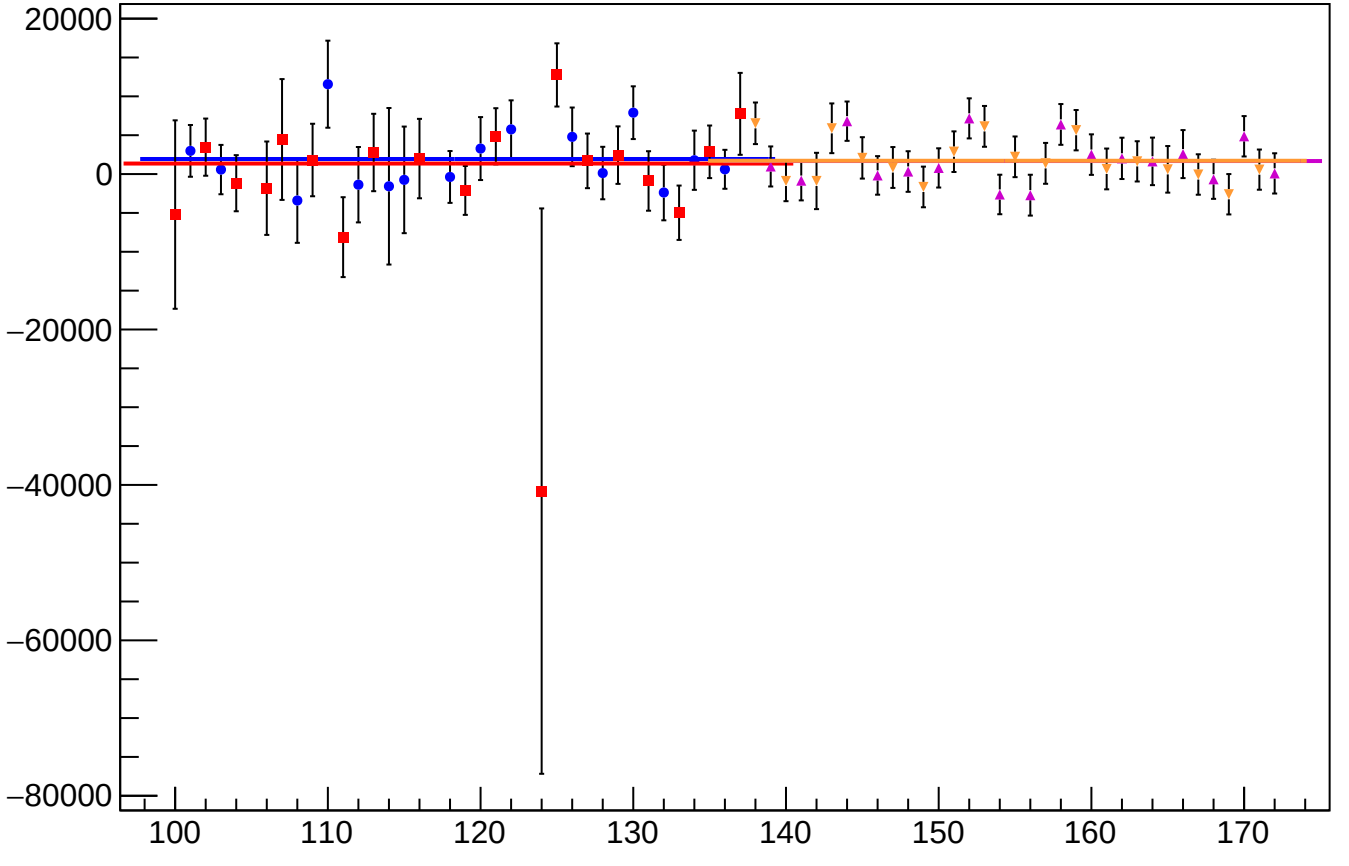
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

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

Out: 1000.057+/-0.154 χ^2/NDF:1081018.8/36

All: 991.649+/-0.108 χ^2/NDF: 1585758.8/69

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1711.071+/-635.713 χ^2/NDF:17.4/17

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: 1693.910+/-449.355 χ^2/NDF: 39.8/34

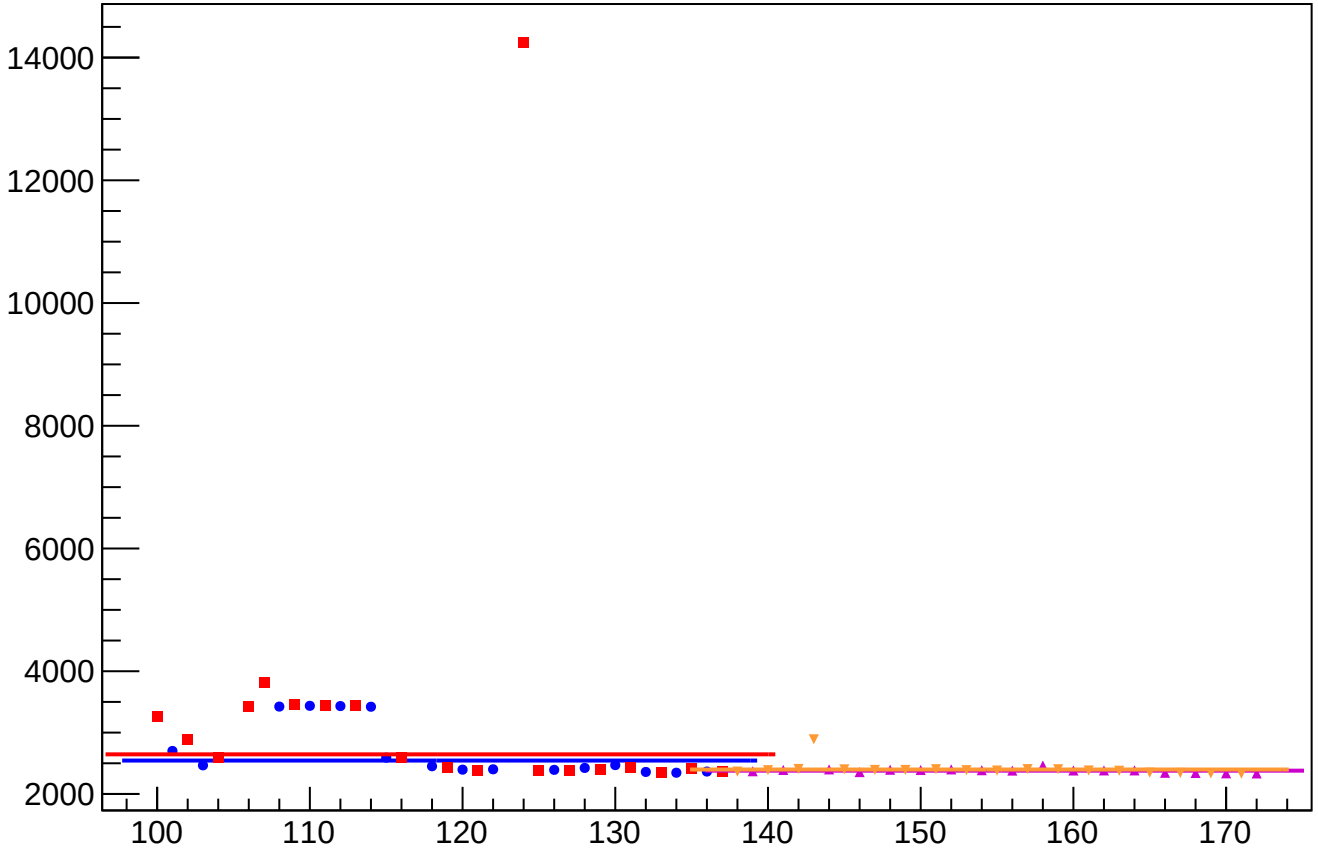
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1757.702+/-528.505 χ^2/NDF:34.8/32

Out: 1605.923+/-534.150 χ^2/NDF:39.2/36

All: 1682.619+/-375.690 χ^2/NDF: 74.1/69

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2398.429+/-0.450 χ^2/NDF:52084.8/17

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2379.713+/-0.449 χ^2/NDF:4569.8/16

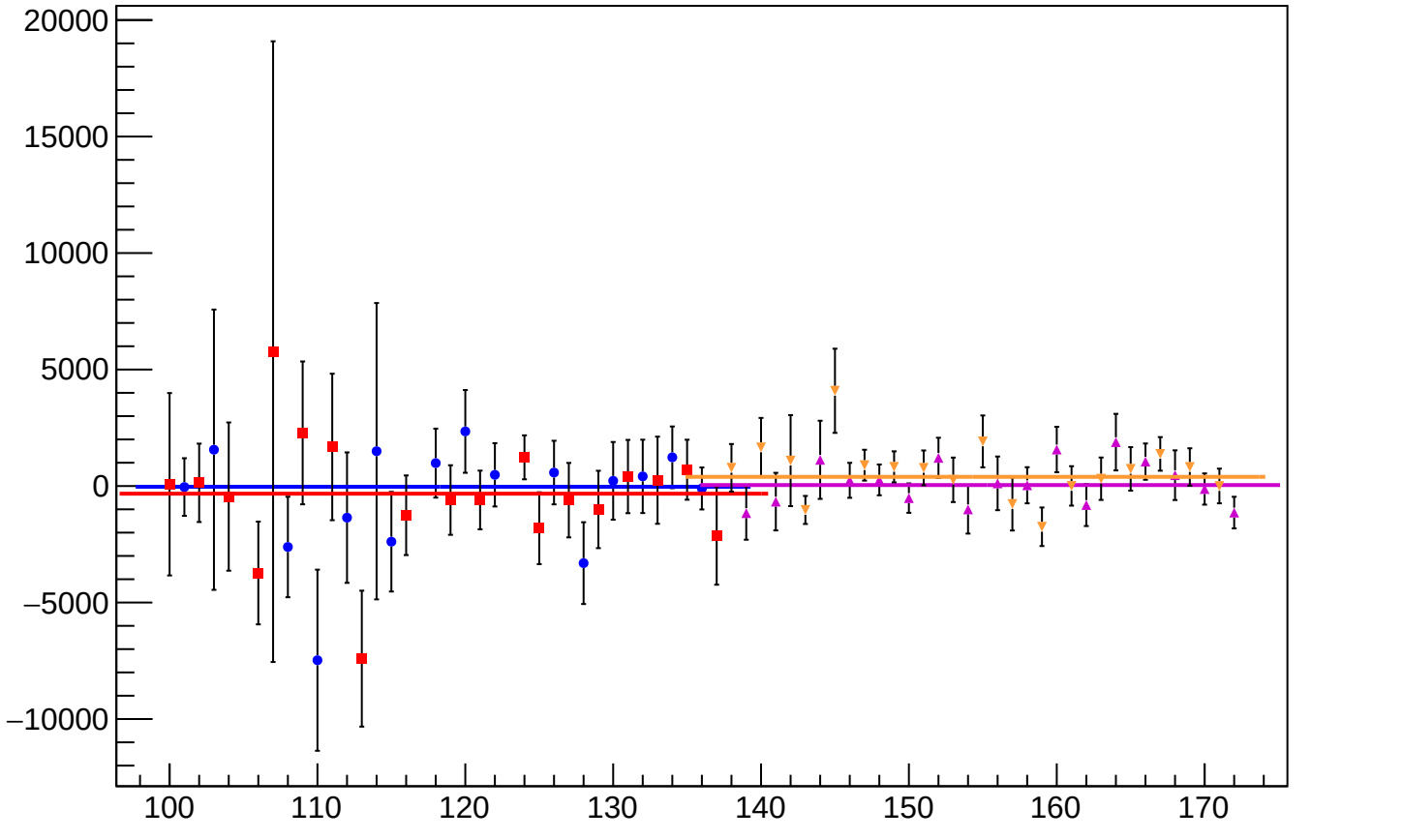
Left: 2389.064+/-0.318 χ^2/NDF: 57521.9/34

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

In: 2430.416+/-0.374 χ^2/NDF:271571.5/32

Out: 2471.111+/-0.378 χ^2/NDF:677973.5/36

All: 2450.547+/-0.266 χ^2/NDF: 955410.9/69



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 394.499+/-202.427 χ^2/NDF:24.7/17

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: 223.732+/-145.374 χ^2/NDF: 42.4/34

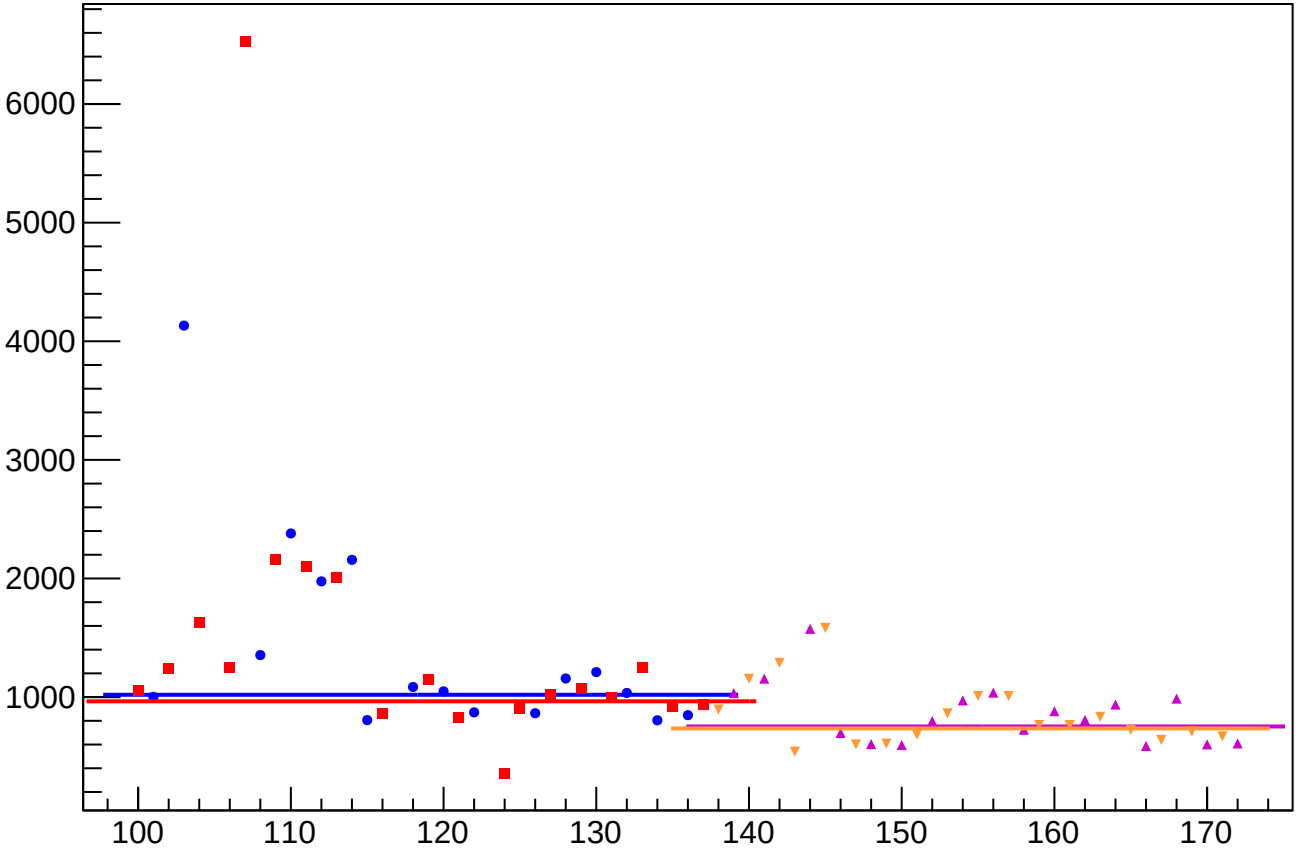
Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: 26.550+/-185.732 χ^2/NDF:30.0/32

Out: 246.250+/-180.483 χ^2/NDF:42.9/36

All: 139.548+/-129.437 χ^2/NDF: 73.7/69

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 735.687+/-0.143 χ^2/NDF:1599642.7/17

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: 743.724+/-0.103 χ^2/NDF: 3340341.1/34

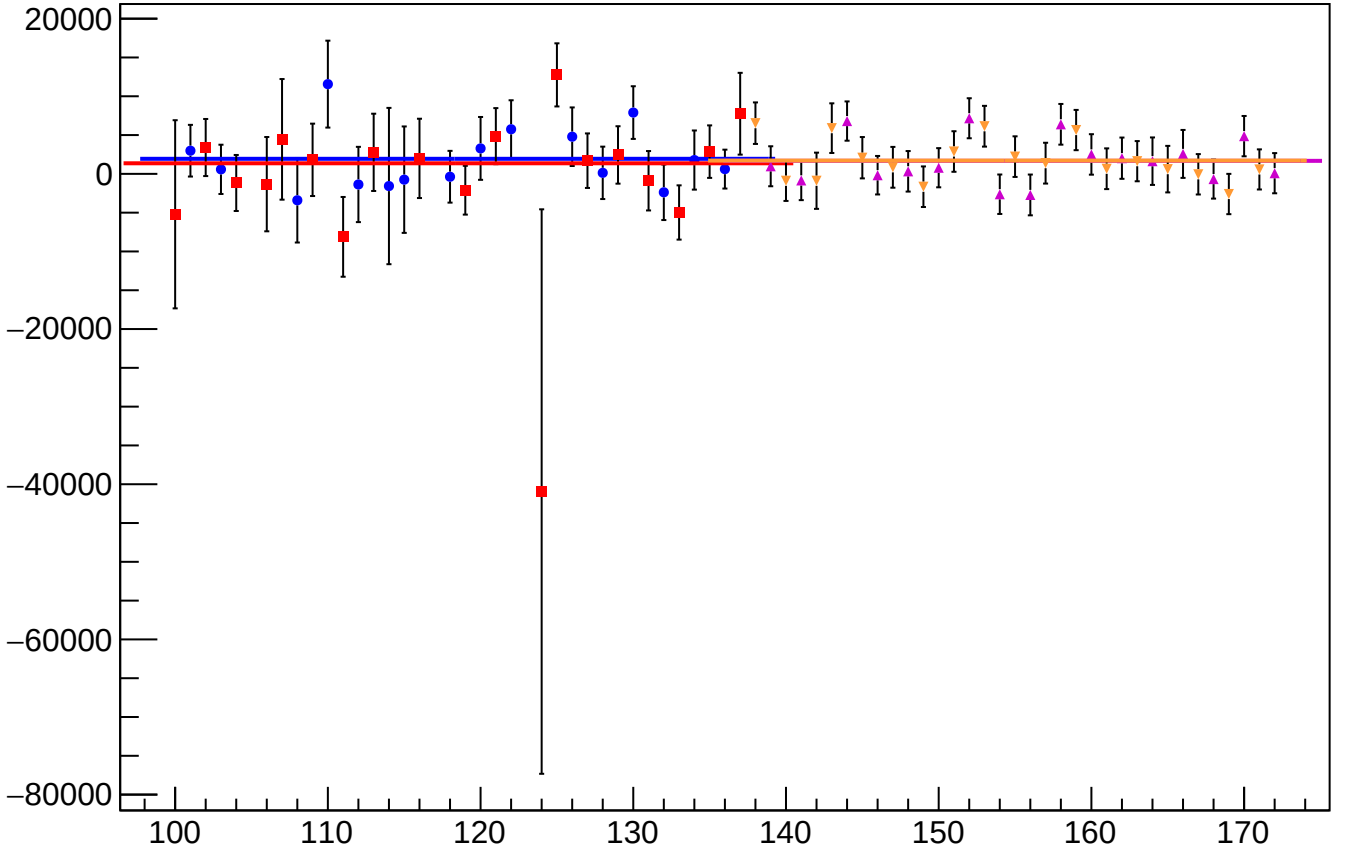
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 808.287+/-0.131 χ^2/NDF:3784785.1/32

Out: 782.581+/-0.128 χ^2/NDF:4432440.5/36

All: 795.066+/-0.092 χ^2/NDF: 8236929.8/69

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1711.043+/-635.713 χ^2/NDF:17.4/17

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: 1693.912+/-449.355 χ^2/NDF: 39.8/34

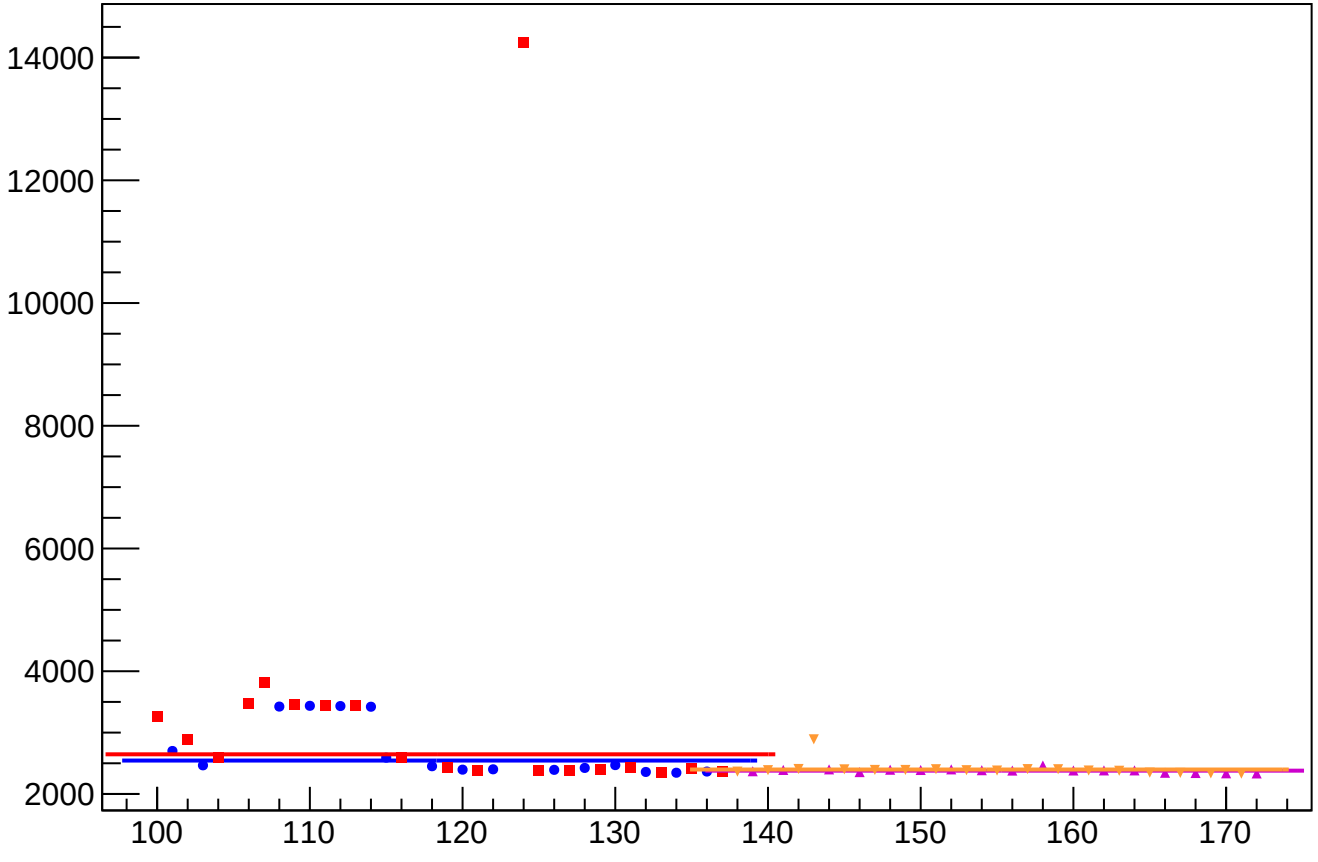
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1757.830+/-528.505 χ^2/NDF:34.8/32

Out: 1608.789+/-534.198 χ^2/NDF:39.1/36

All: 1684.108+/-375.706 χ^2/NDF: 74.0/69

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2398.429+/-0.450 χ^2/NDF:52084.8/17

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2379.713+/-0.449 χ^2/NDF:4569.8/16

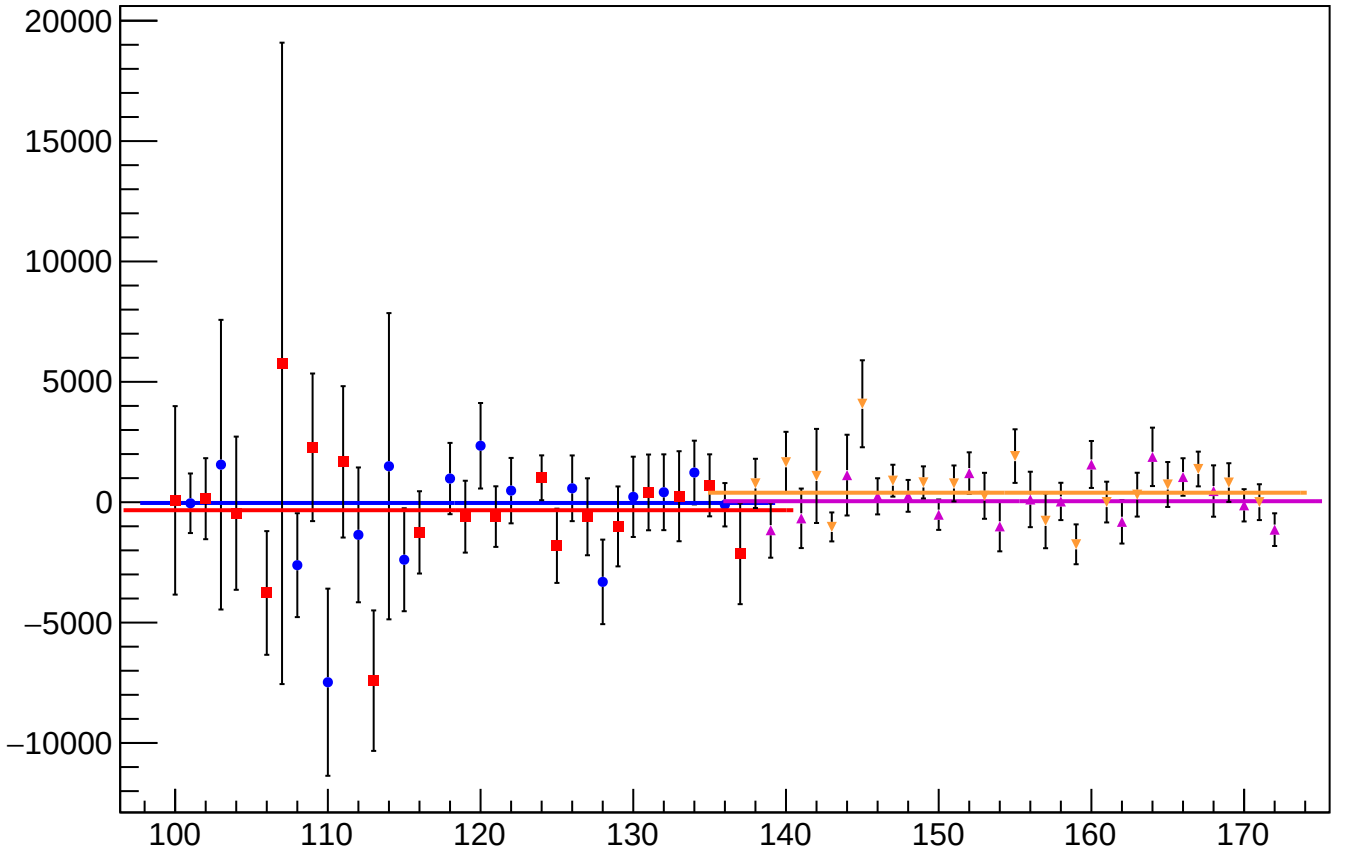
Left: 2389.064+/-0.318 χ^2/NDF: 57521.9/34

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2430.416+/-0.374 χ^2/NDF:271571.5/32

Out: 2471.243+/-0.378 χ^2/NDF:680917.2/36

All: 2450.611+/-0.266 χ^2/NDF: 958392.3/69



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 394.470+/-202.429 χ^2/NDF:24.7/17

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: 41.917+/-208.907 χ^2/NDF:16.2/16

Left: 223.744+/-145.375 χ^2/NDF: 42.4/34

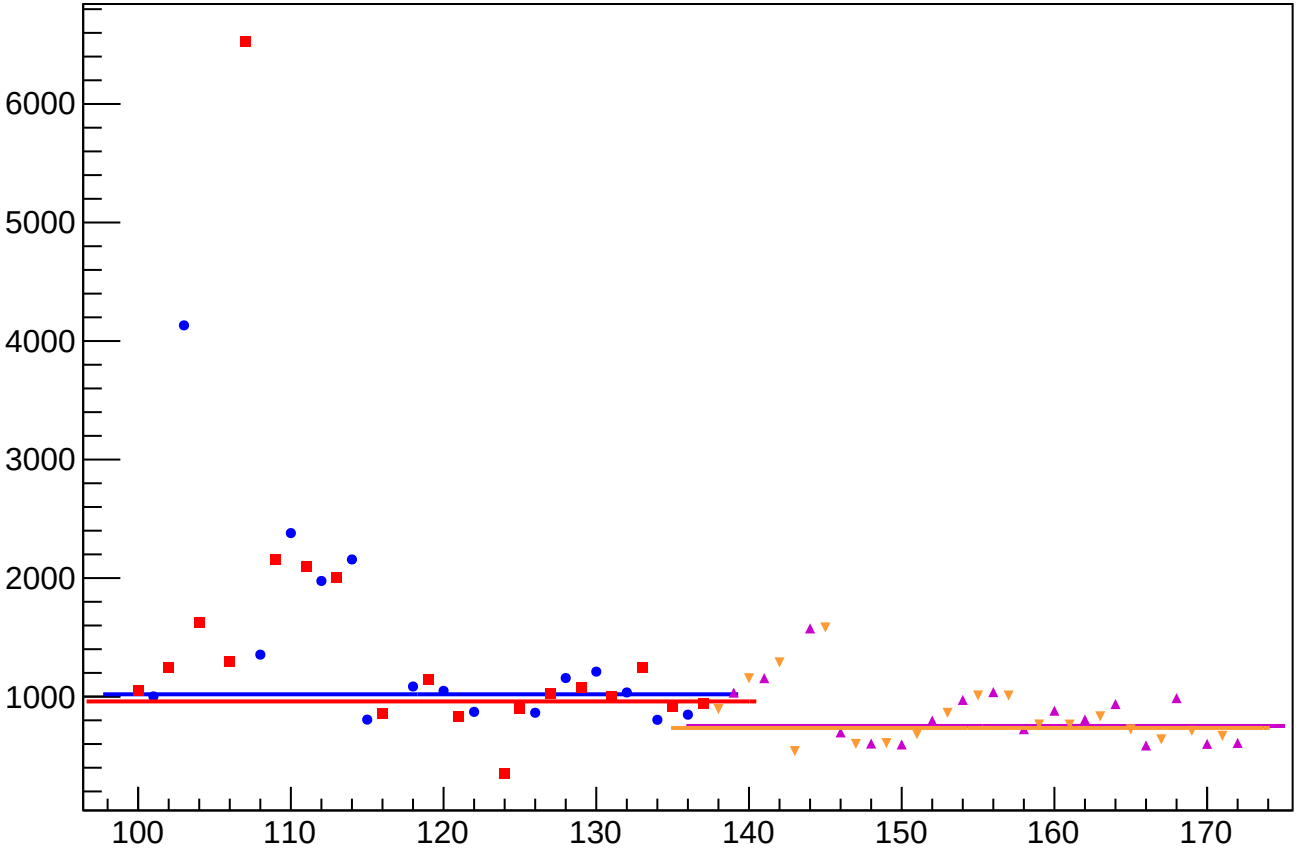
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: 26.583+/-185.732 χ^2/NDF:30.0/32

Out: 245.964+/-180.556 χ^2/NDF:41.7/36

All: 139.373+/-129.463 χ^2/NDF: 72.5/69

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 735.693+/-0.143 χ^2/NDF:1599660.6/17

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: 743.727+/-0.103 χ^2/NDF: 3340517.0/34

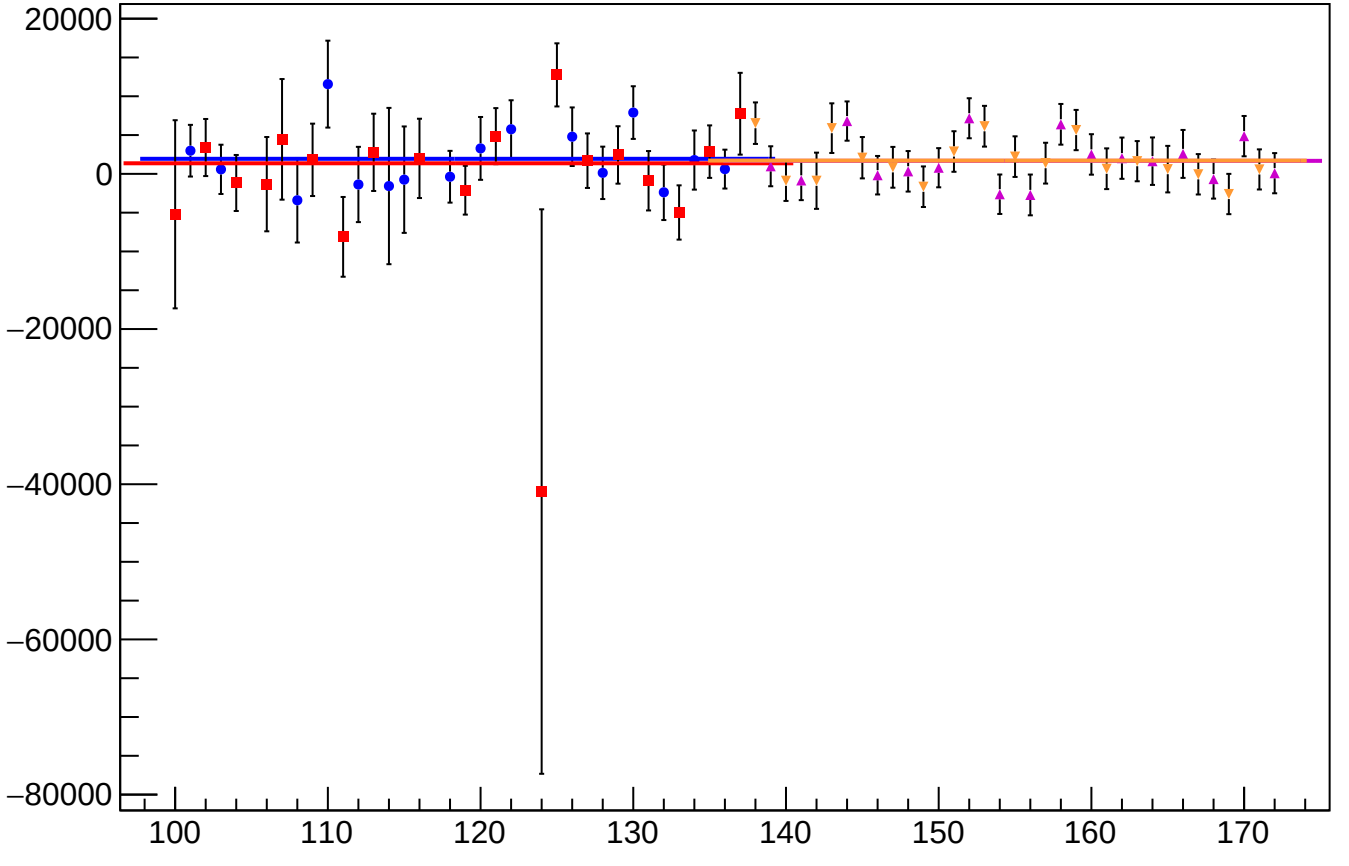
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 808.285+/-0.131 χ^2/NDF:3784916.3/32

Out: 781.415+/-0.128 χ^2/NDF:4443180.6/36

All: 794.470+/-0.092 χ^2/NDF: 8249617.6/69

eigen_cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1711.043+/-635.713 χ^2/NDF:17.4/17

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: 1693.912+/-449.355 χ^2/NDF: 39.8/34

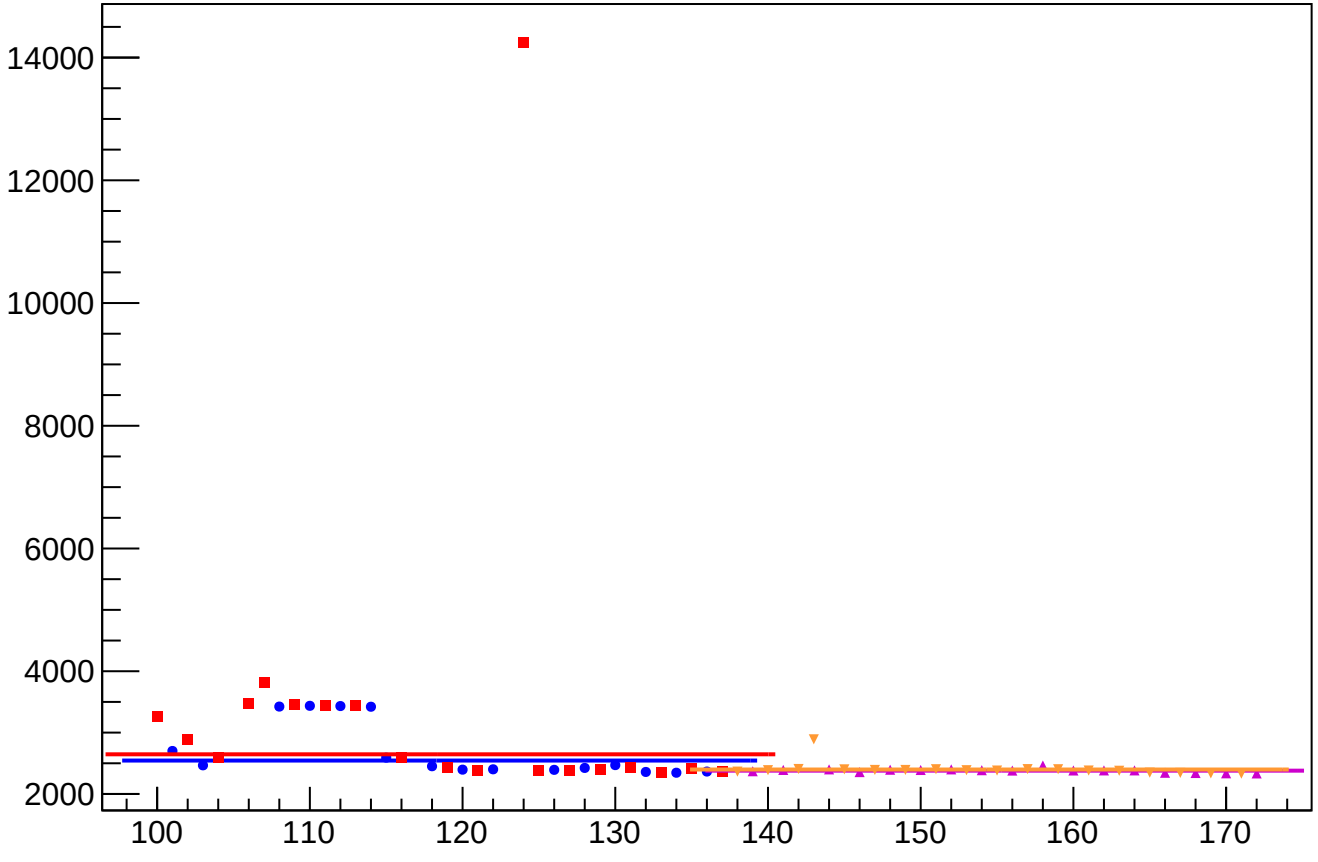
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1757.830+/-528.505 χ^2/NDF:34.8/32

Out: 1608.789+/-534.198 χ^2/NDF:39.1/36

All: 1684.108+/-375.706 χ^2/NDF: 74.0/69

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2398.429+/-0.450 χ^2/NDF:52084.8/17

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2379.713+/-0.449 χ^2/NDF:4569.8/16

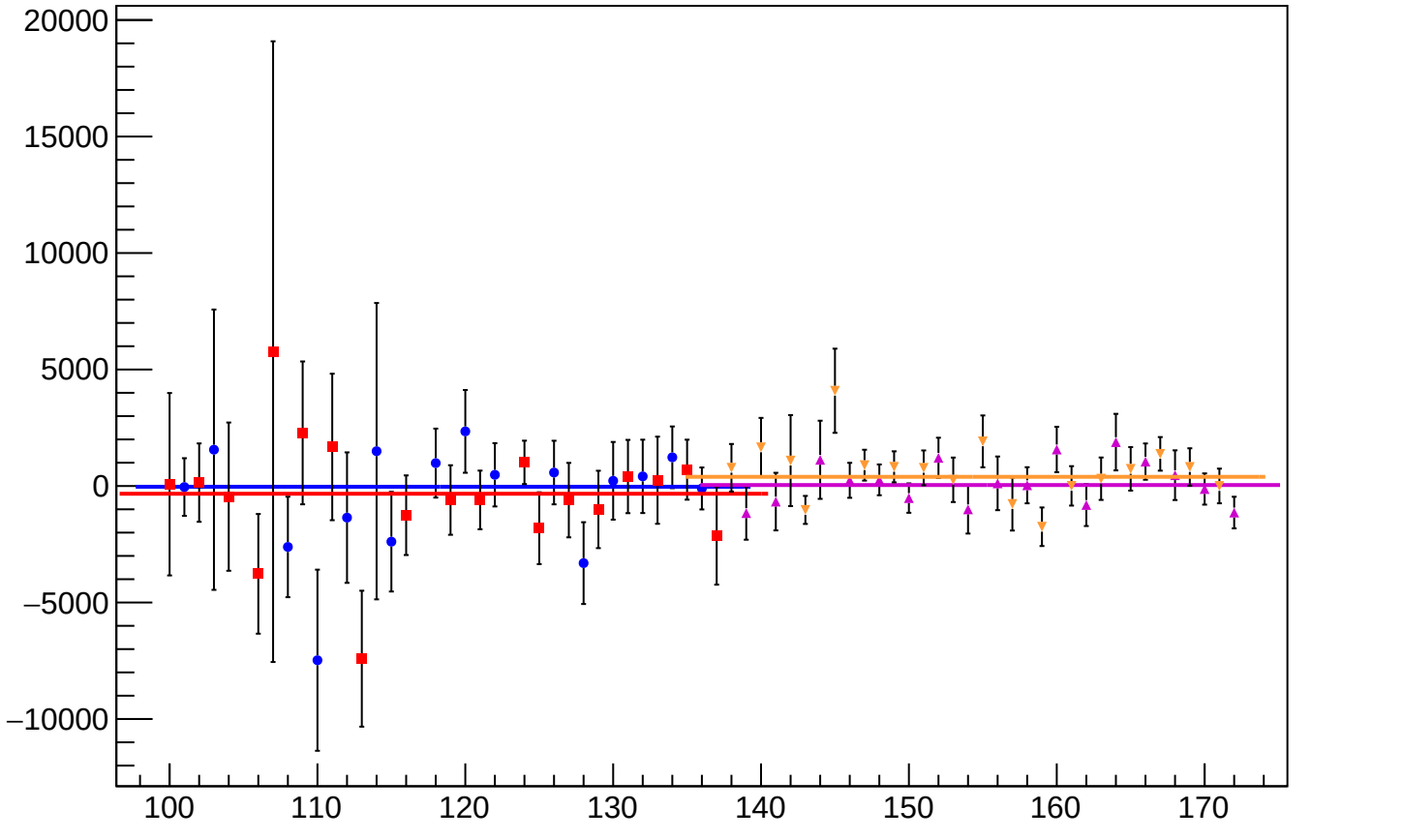
Left: 2389.064+/-0.318 χ^2/NDF: 57521.9/34

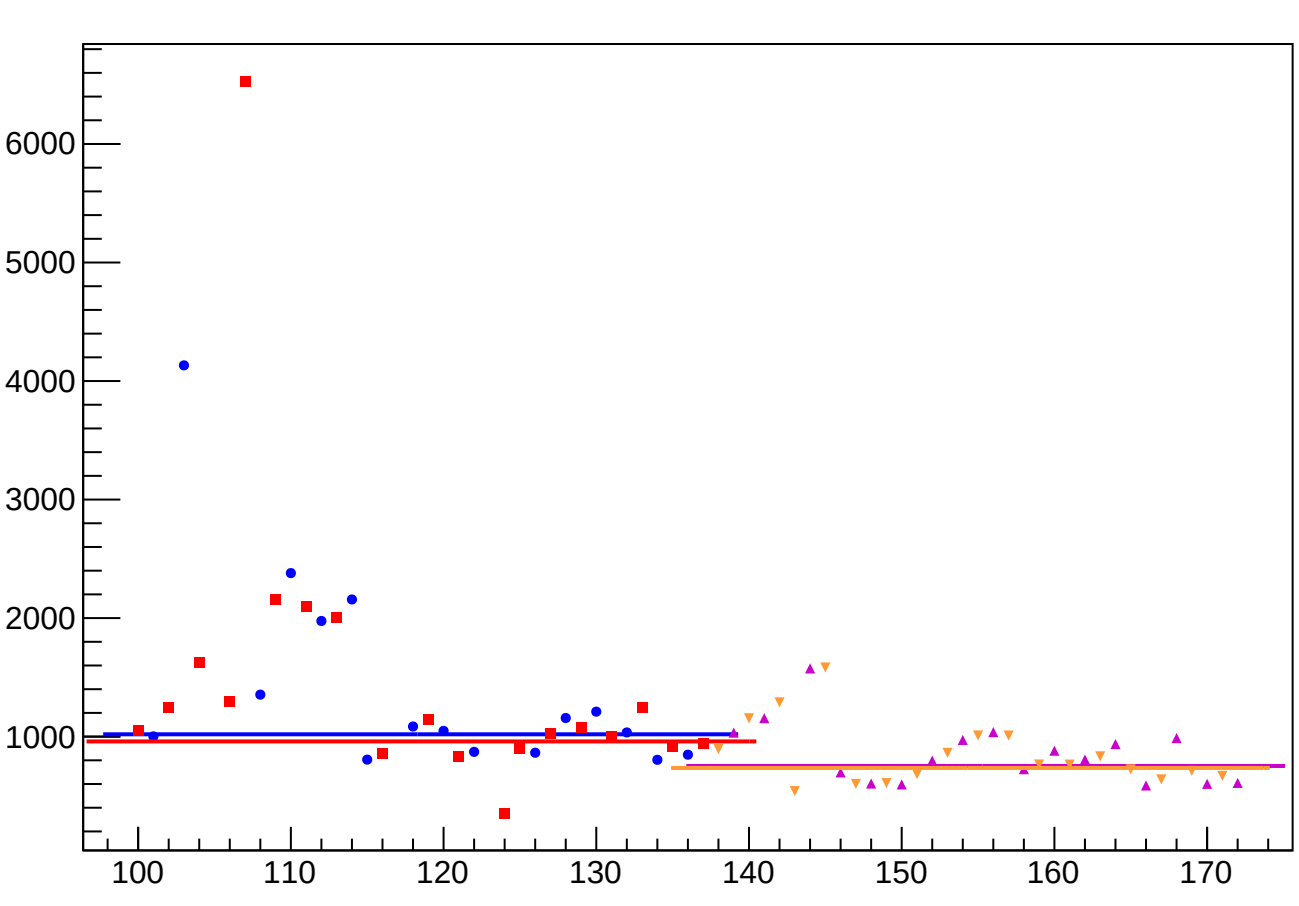
Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2430.416+/-0.374 χ^2/NDF:271571.5/32

Out: 2471.243+/-0.378 χ^2/NDF:680917.2/36

All: 2450.611+/-0.266 χ^2/NDF: 958392.3/69


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: 394.470+/-202.429 χ²/NDF:24.7/17
Right Out: -331.962+/-399.334 χ²/NDF: 14.4/18
Left In: 41.917+/-208.907 χ²/NDF:16.2/16
Left: 223.744+/-145.375 χ²/NDF: 42.4/34
Right: -183.994+/-284.604 χ²/NDF: 28.5/34
In: 26.583+/-185.732 χ²/NDF:30.0/32
Out: 245.964+/-180.556 χ²/NDF:41.7/36
All: 139.373+/-129.463 χ²/NDF: 72.5/69



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 735.693+/-0.143 χ^2/NDF:1599660.6/17

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 752.283+/-0.148 χ^2/NDF:1734351.8/16

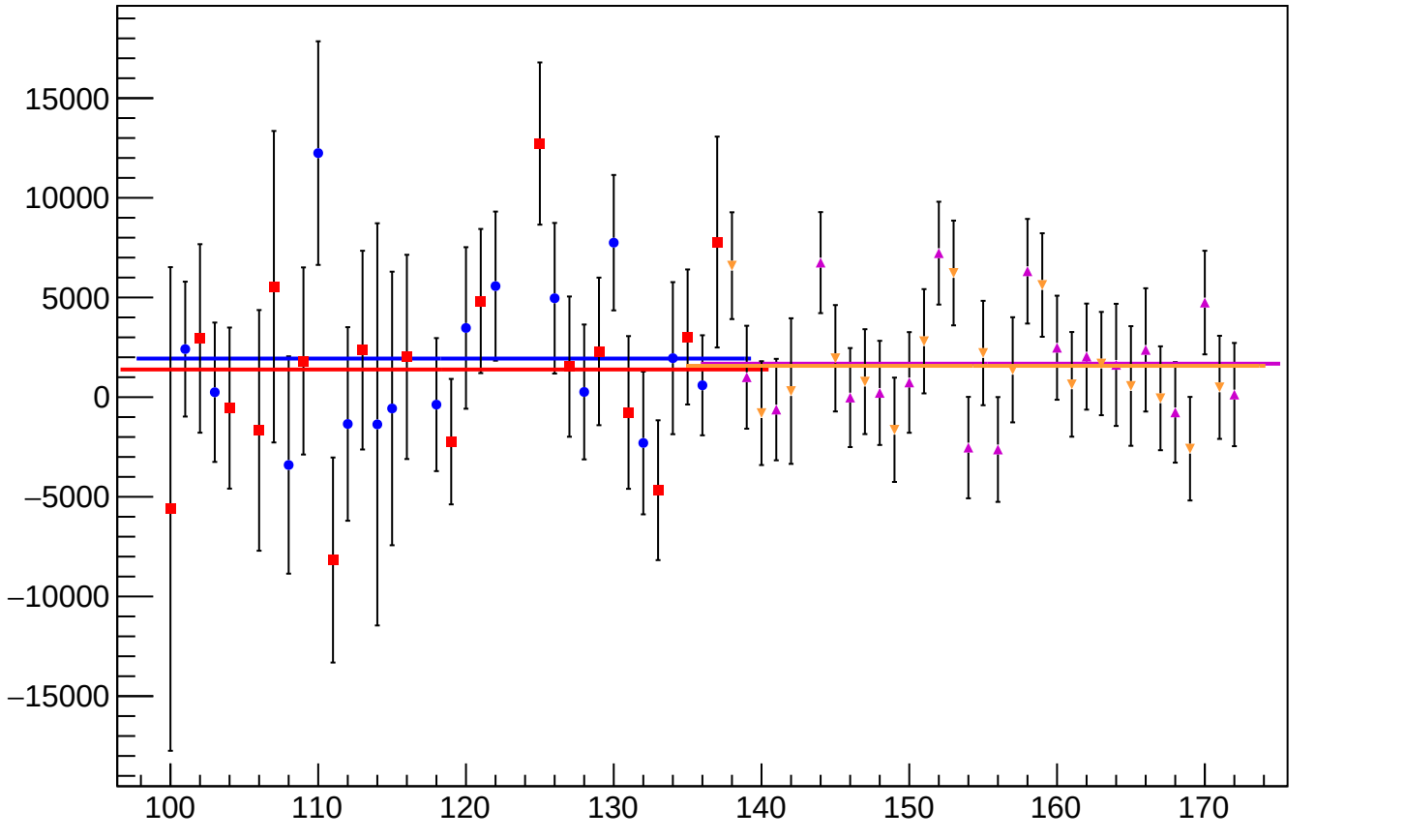
Left: 743.727+/-0.103 χ^2/NDF: 3340517.0/34

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 808.285+/-0.131 χ^2/NDF:3784916.3/32

Out: 781.415+/-0.128 χ^2/NDF:4443180.6/36

All: 794.470+/-0.092 χ^2/NDF: 8249617.6/69



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1571.205+/-649.403 χ^2/NDF:15.3/16

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: 1626.126+/-454.317 χ^2/NDF: 37.1/33

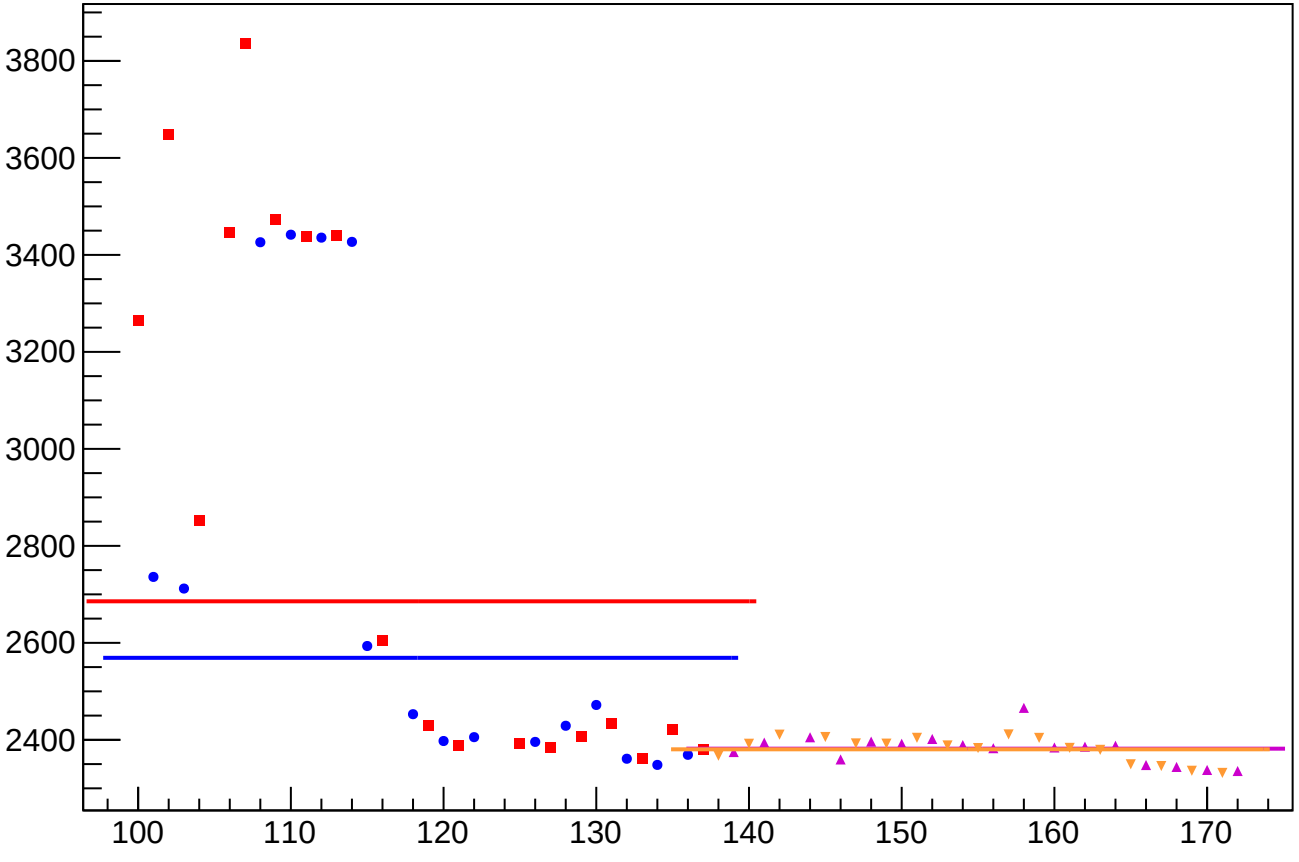
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1756.937+/-530.484 χ^2/NDF:34.2/32

Out: 1517.419+/-546.093 χ^2/NDF:35.1/34

All: 1640.650+/-380.508 χ^2/NDF: 69.4/67

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2380.472+/-0.459 χ^2/NDF:2961.1/16

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2381.796+/-0.450 χ^2/NDF:4585.3/16

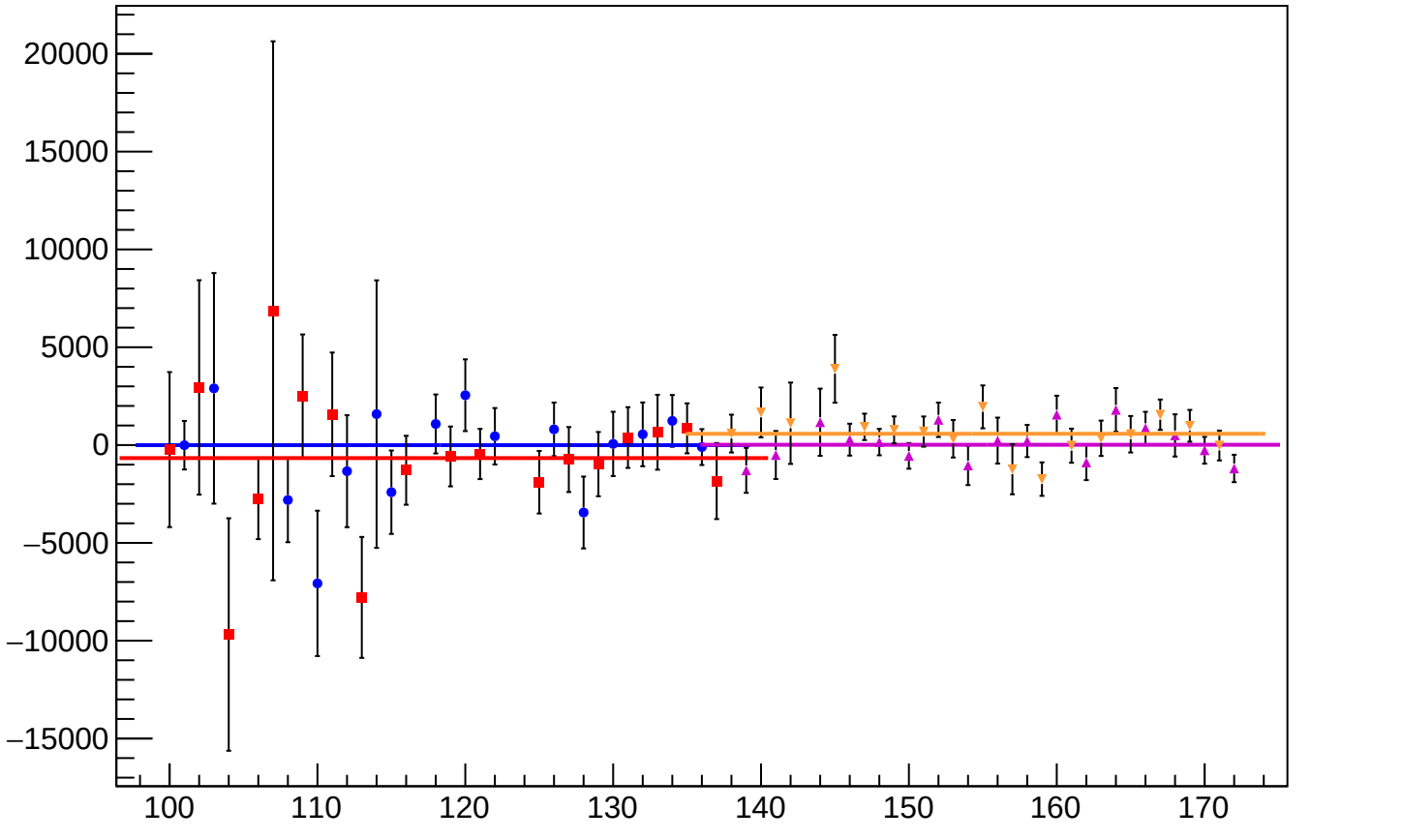
Left: 2381.148+/-0.321 χ^2/NDF: 7550.7/33

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

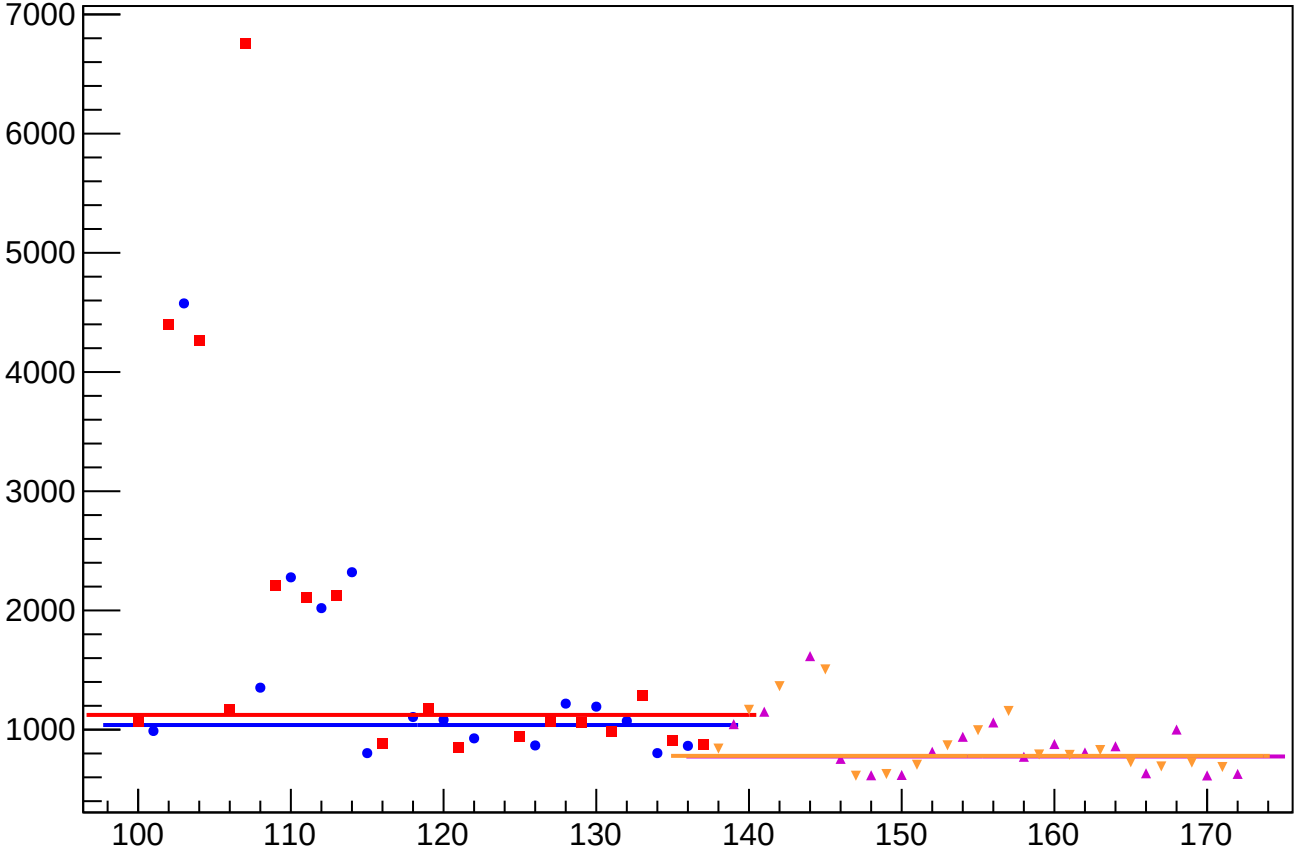
In: 2438.723+/-0.375 χ^2/NDF:286832.9/32

Out: 2469.854+/-0.386 χ^2/NDF:551597.8/34

All: 2453.837+/-0.269 χ^2/NDF: 841774.5/67


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: 576.699+/-219.687 χ²/NDF:18.8/16
Right Out: -665.952+/-460.513 χ²/NDF: 14.4/17
Left In: 14.420+/-214.014 χ²/NDF:16.6/16
Left: 288.206+/-153.297 χ²/NDF: 38.8/33
Right: -299.130+/-307.154 χ²/NDF: 30.0/33
In: 10.261+/-189.944 χ²/NDF:31.1/32
Out: 346.329+/-198.280 χ²/NDF:39.1/34
All: 171.082+/-137.163 χ²/NDF: 71.7/67

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 780.053+/-0.155 χ^2/NDF:1284801.6/16

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 774.928+/-0.151 χ^2/NDF:1554880.5/16

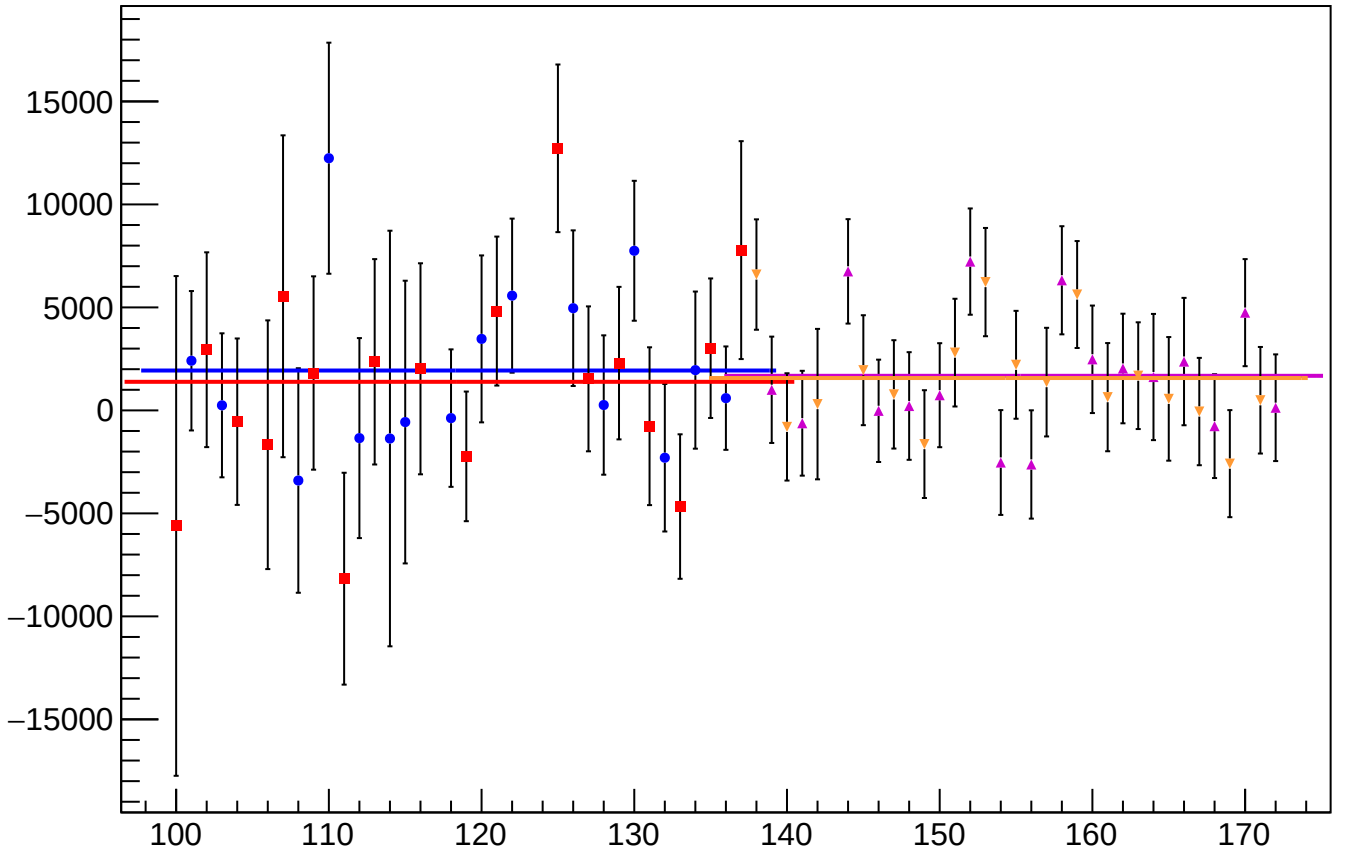
Left: 777.424+/-0.108 χ^2/NDF: 2840240.5/33

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 830.947+/-0.134 χ^2/NDF:3740077.6/32

Out: 843.719+/-0.140 χ^2/NDF:4726364.5/34

All: 837.059+/-0.097 χ^2/NDF: 8470769.2/67



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1571.206+/-649.403 χ^2/NDF:15.3/16

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: 1626.127+/-454.317 χ^2/NDF: 37.1/33

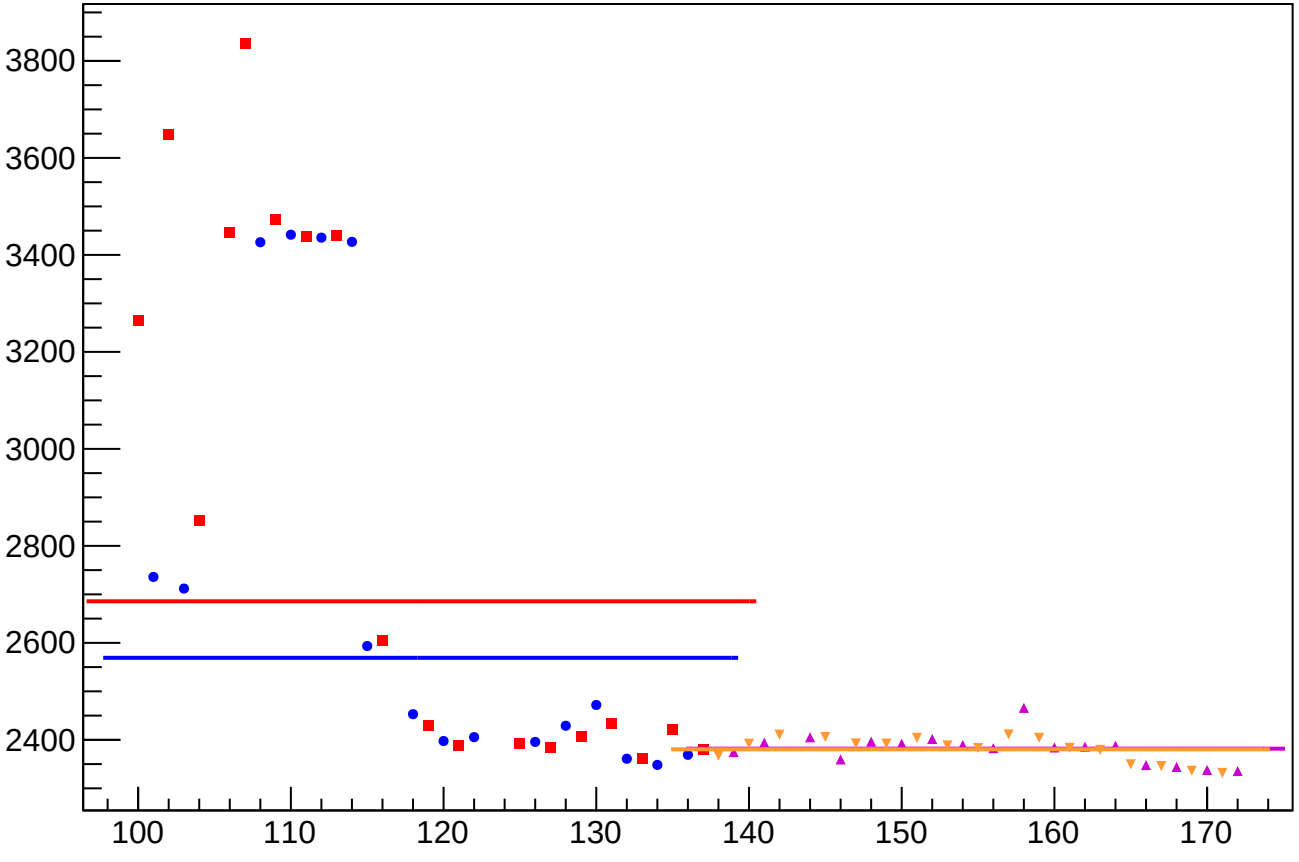
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1756.936+/-530.484 χ^2/NDF:34.2/32

Out: 1517.419+/-546.093 χ^2/NDF:35.1/34

All: 1640.650+/-380.508 χ^2/NDF: 69.4/67

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2380.472+/-0.459 χ^2/NDF:2961.1/16

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2381.796+/-0.450 χ^2/NDF:4585.3/16

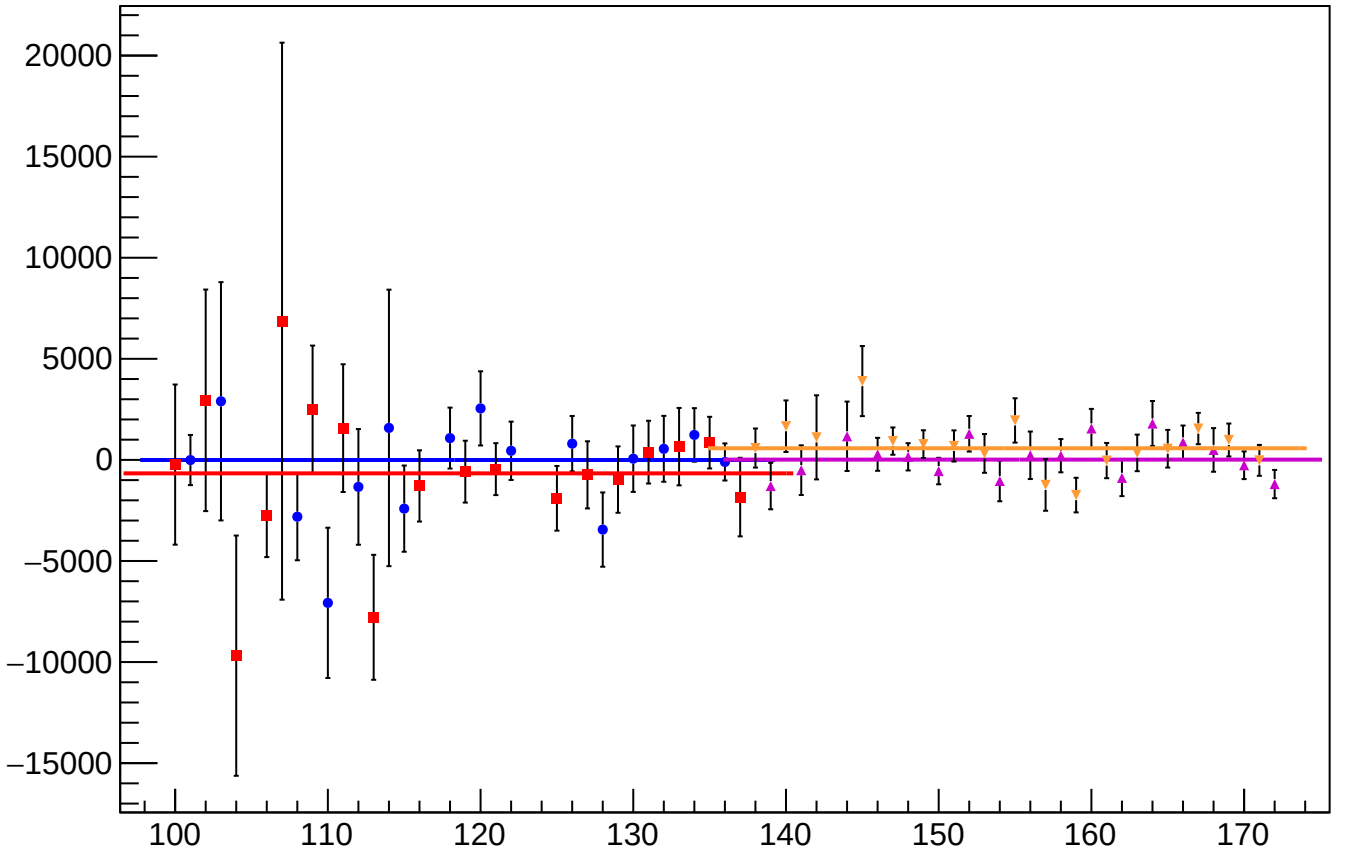
Left: 2381.148+/-0.321 χ^2/NDF: 7550.7/33

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2438.723+/-0.375 χ^2/NDF:286832.4/32

Out: 2469.853+/-0.386 χ^2/NDF:551596.9/34

All: 2453.837+/-0.269 χ^2/NDF: 841773.2/67



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 576.699+/-219.687 χ^2/NDF:18.8/16

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: 14.420+/-214.015 χ^2/NDF:16.6/16

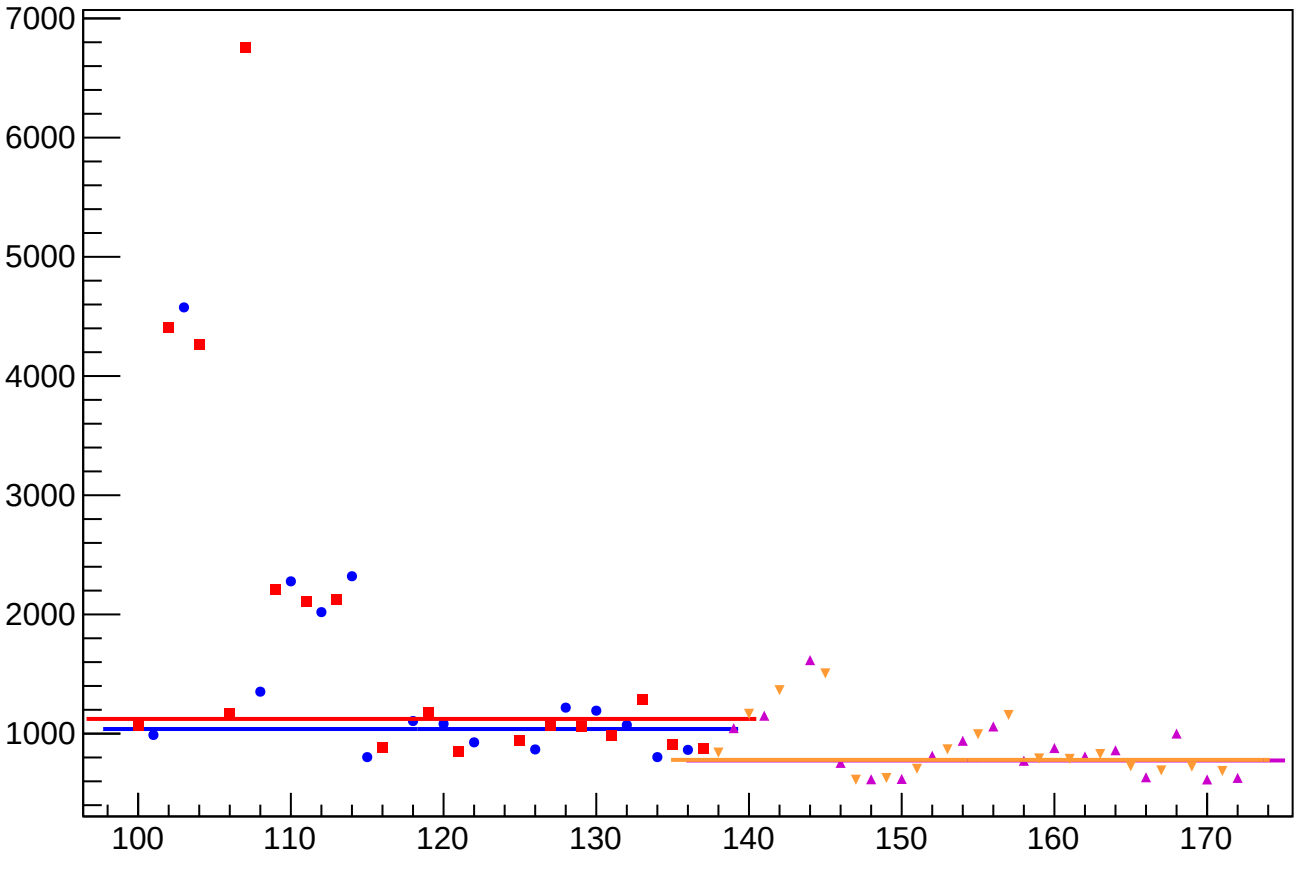
Left: 288.207+/-153.298 χ^2/NDF: 38.8/33

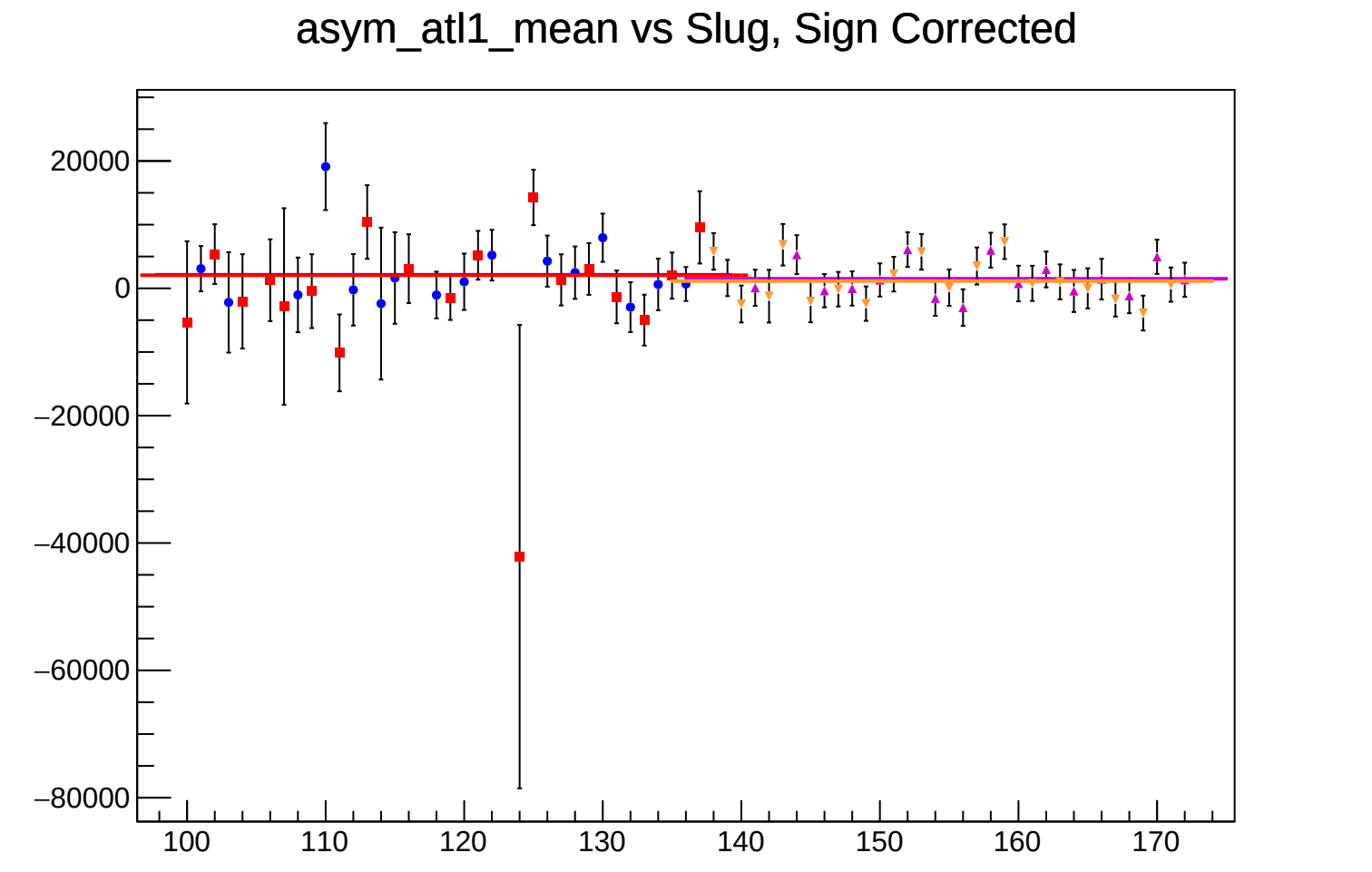
Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: 10.261+/-189.944 χ^2/NDF:31.1/32

Out: 346.328+/-198.281 χ^2/NDF:39.1/34

All: 171.081+/-137.163 χ^2/NDF: 71.7/67


asym_atl1_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 1038.804+/-0.292 χ²/NDF: 1539724.8/15
Left Out: 780.055+/-0.155 χ²/NDF:1284798.6/16
Right Out: 1123.474+/-0.326 χ²/NDF: 2535509.9/17
Left In: 774.930+/-0.151 χ²/NDF:1554878.6/16
Left: 777.425+/-0.108 χ²/NDF: 2840235.7/33
Right: 1076.471+/-0.217 χ²/NDF: 4112767.4/33
In: 830.948+/-0.134 χ²/NDF:3740065.0/32
Out: 843.720+/-0.140 χ²/NDF:4726351.0/34
All: 837.060+/-0.097 χ²/NDF: 8470743.0/67



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1132.169+/-679.361 χ^2/NDF:23.9/17

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: 1317.127+/-480.649 χ^2/NDF: 39.1/34

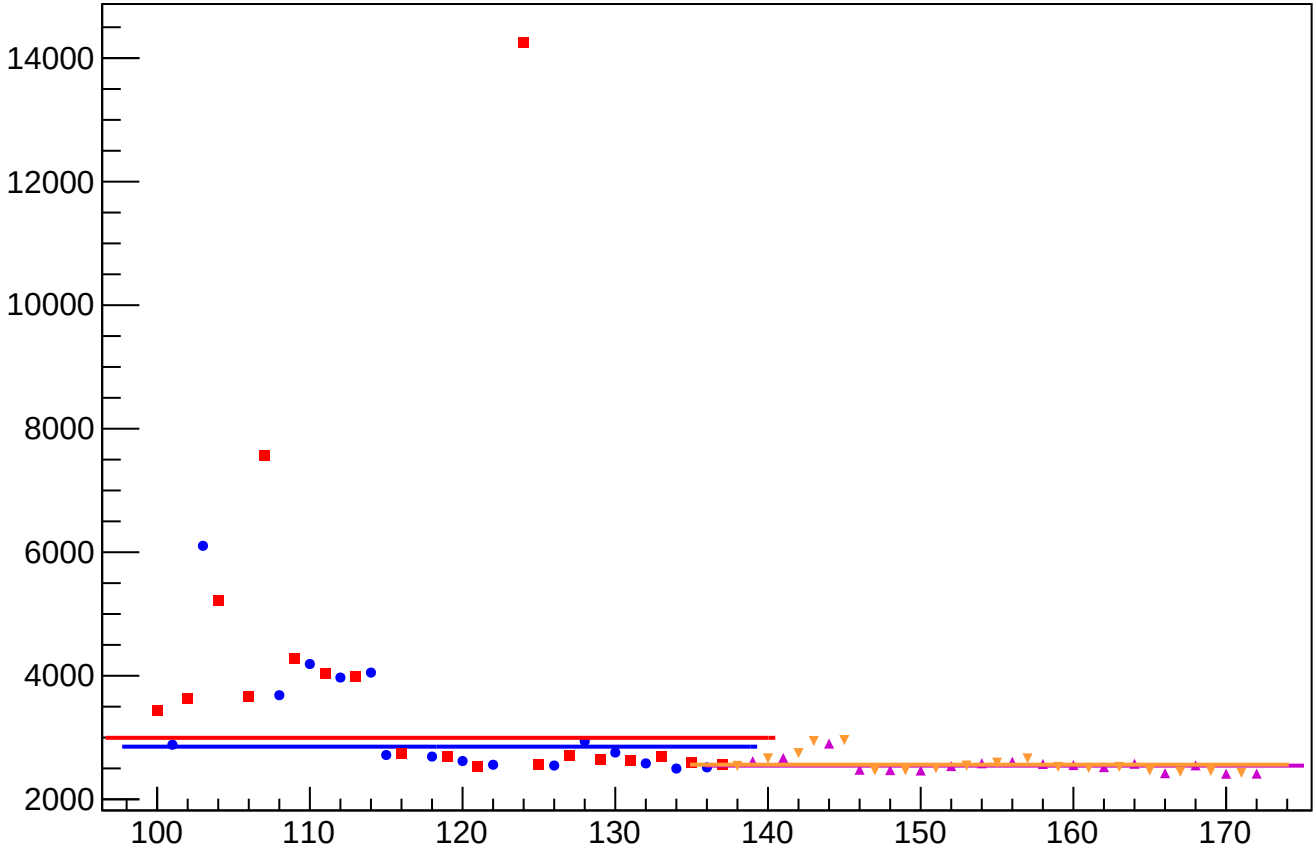
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1677.318+/-576.218 χ^2/NDF:28.7/32

Out: 1376.261+/-583.163 χ^2/NDF:48.7/36

All: 1528.593+/-409.881 χ^2/NDF: 77.5/69

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2560.876+/-0.480 χ^2/NDF:86493.2/17

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2545.101+/-0.481 χ^2/NDF:51054.2/16

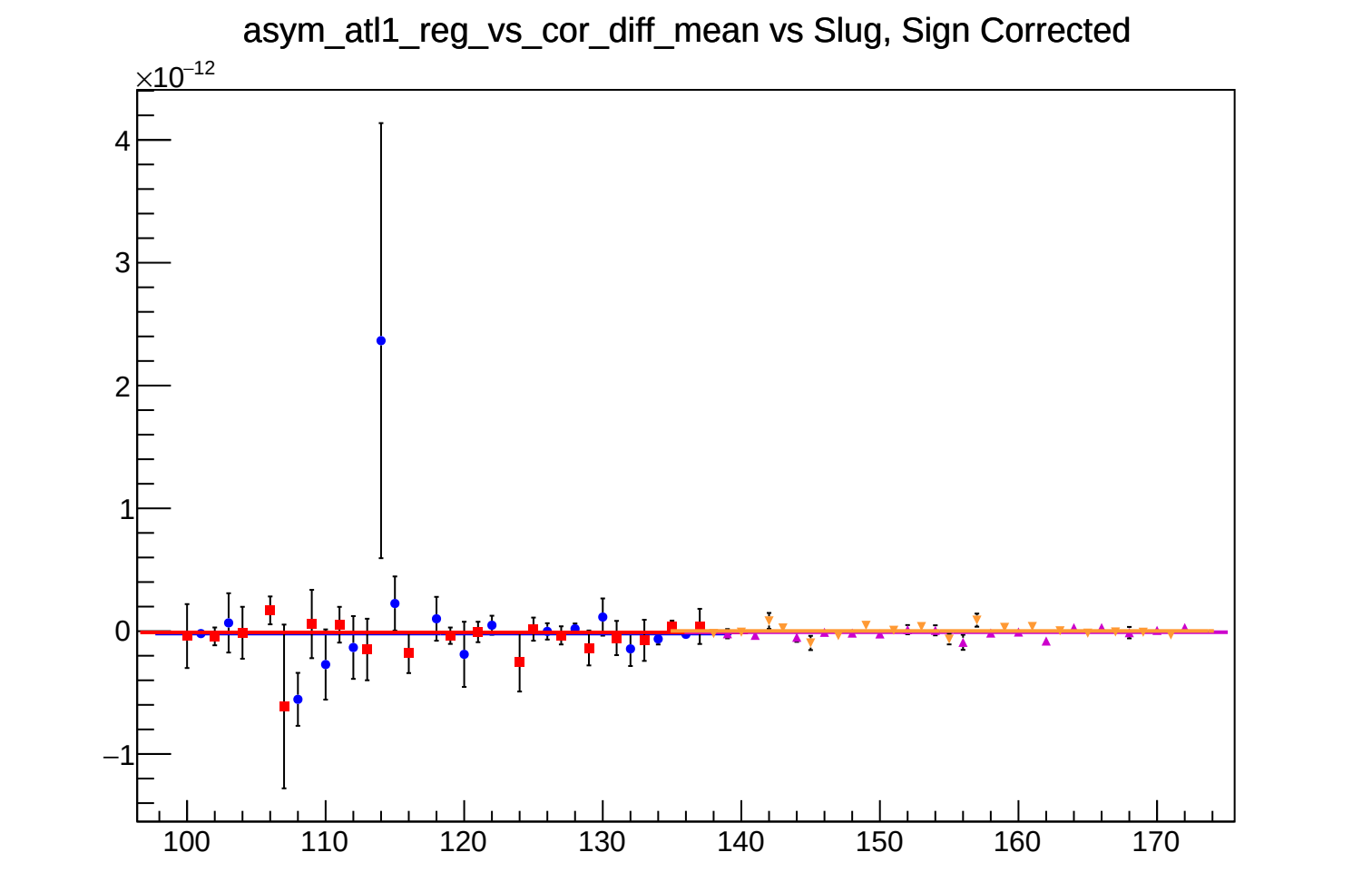
Left: 2552.997+/-0.340 χ^2/NDF: 138086.1/34

Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2631.765+/-0.407 χ^2/NDF:814846.5/32

Out: 2675.255+/-0.412 χ^2/NDF:1281095.2/36

All: 2653.250+/-0.290 χ^2/NDF: 2101569.7/69



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.1/17

Right Out: -0.000+/-0.000 χ^2/NDF: 8.3/18

Left In: -0.000+/-0.000 χ^2/NDF:21.2/16

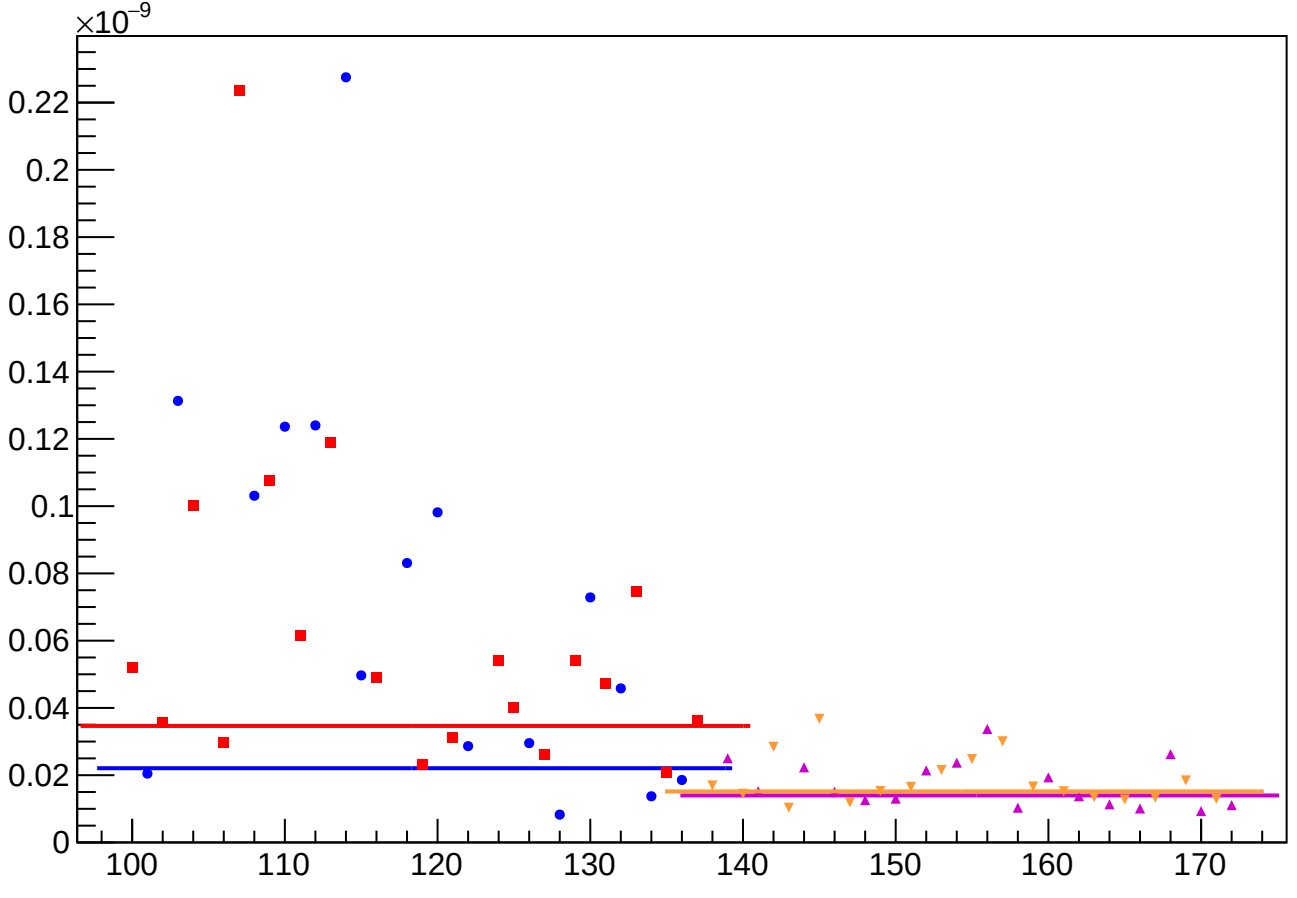
Left: -0.000+/-0.000 χ^2/NDF: 46.6/34

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:37.0/32

Out: 0.000+/-0.000 χ^2/NDF:32.7/36

All: -0.000+/-0.000 χ^2/NDF: 71.2/69



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:946102.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1182296.1/16

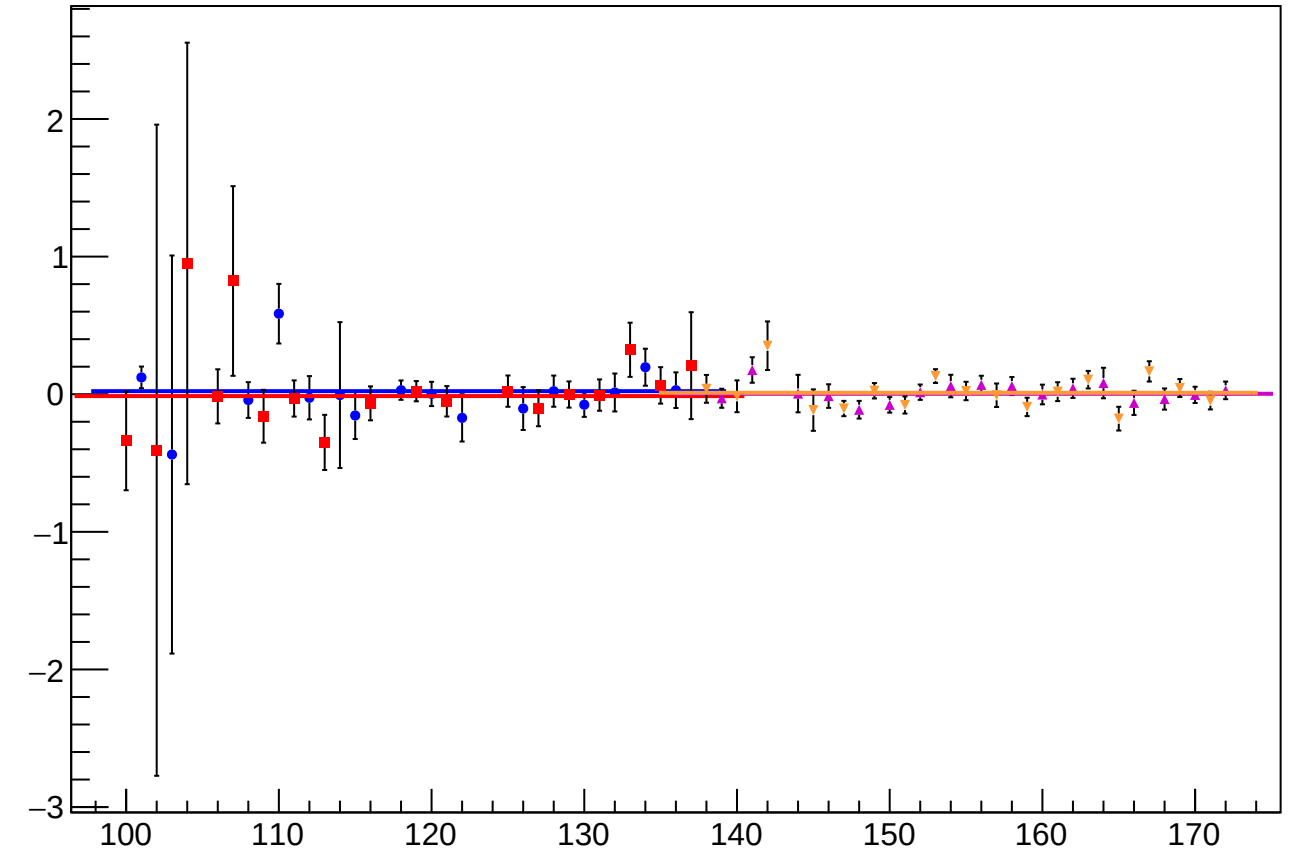
Left: 0.000+/-0.000 χ^2/NDF: 2161392.0/34

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:3373721.5/36

All: 0.000+/-0.000 χ^2/NDF: 7343768.7/69



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.017 χ^2/NDF:31.7/16

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.003+/-0.017 χ^2/NDF:13.0/16

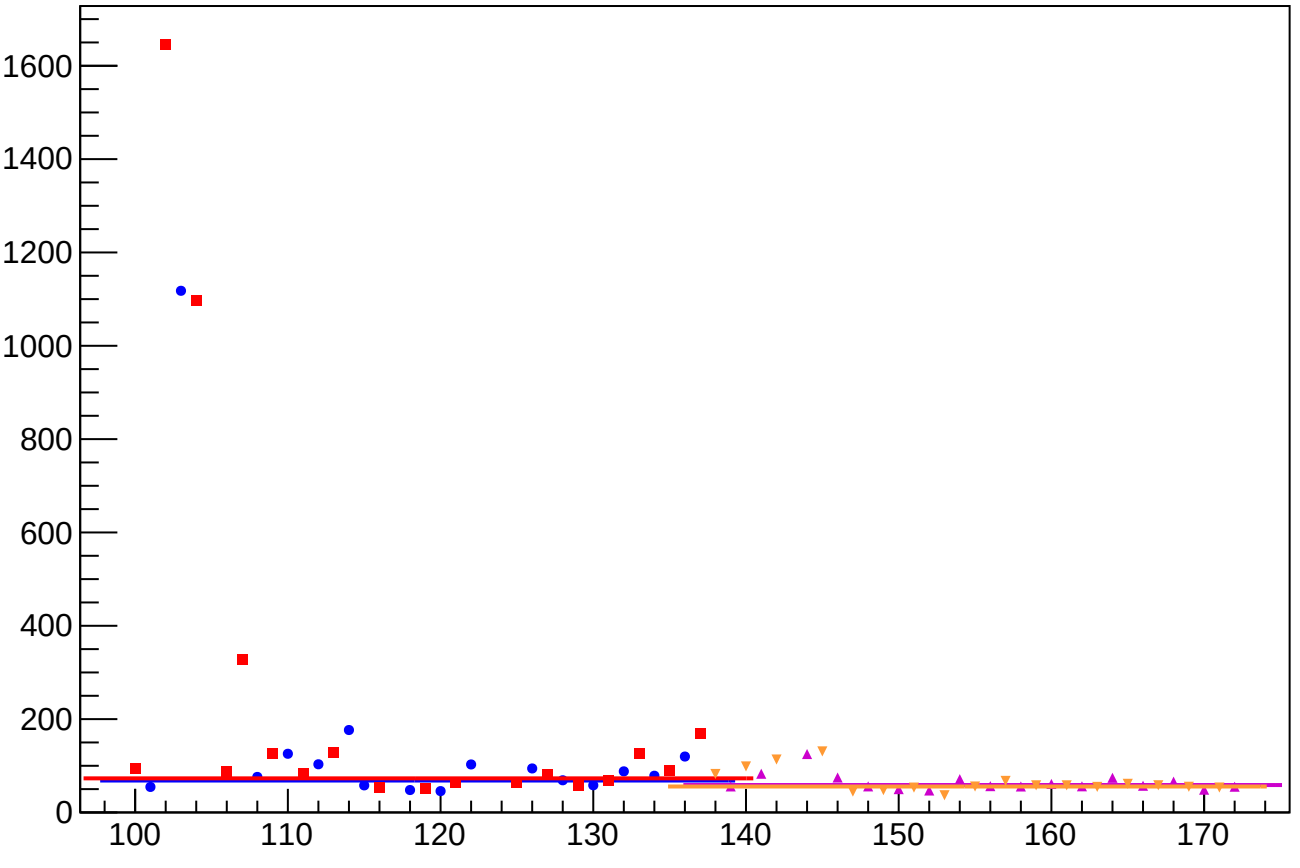
Left: 0.007+/-0.012 χ^2/NDF: 44.8/33

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.008+/-0.015 χ^2/NDF:28.1/32

Out: 0.005+/-0.015 χ^2/NDF:42.9/34

All: 0.007+/-0.011 χ^2/NDF: 71.1/67



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.616+/-0.012 χ^2/NDF:1587633.9/16

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: 57.160+/-0.009 χ^2/NDF: 2626907.3/33

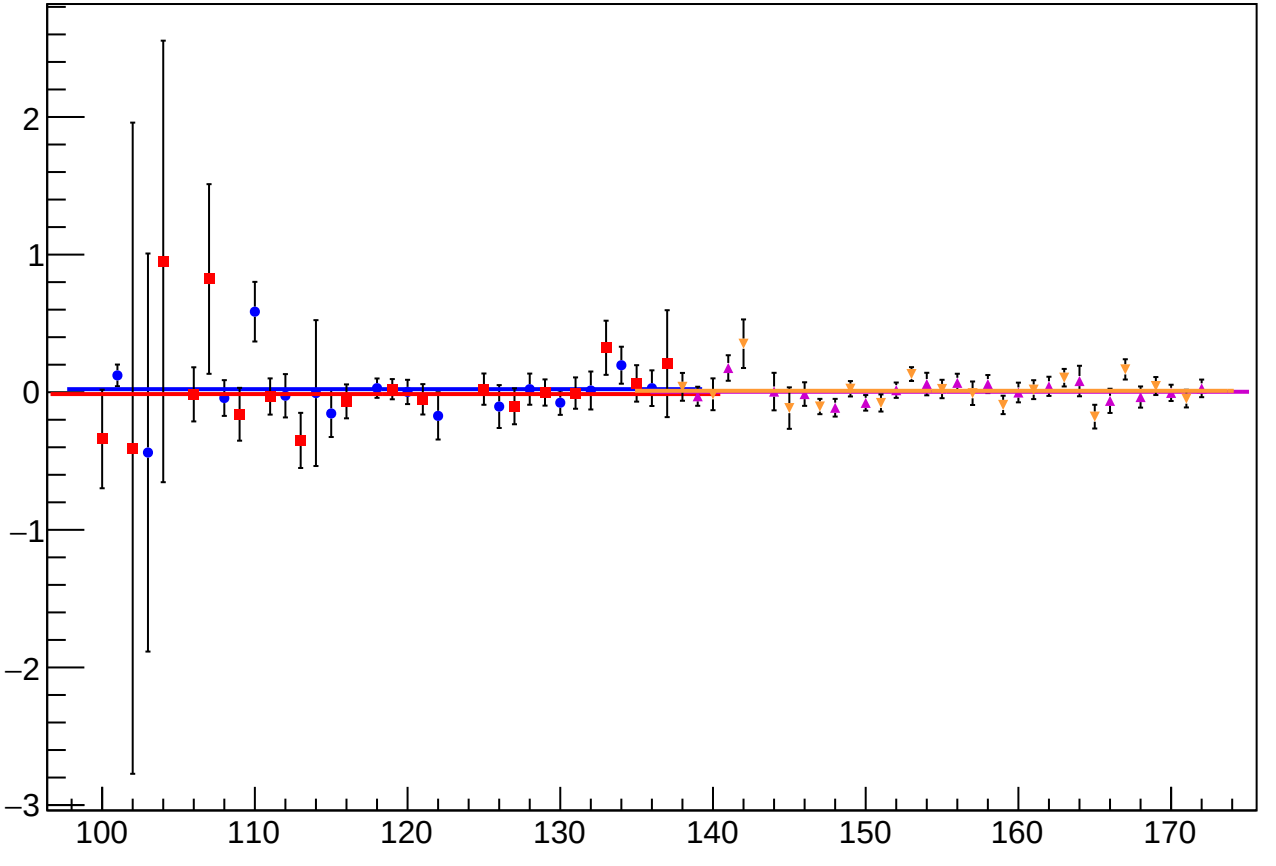
Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 61.154+/-0.011 χ^2/NDF:3439852.2/32

Out: 59.257+/-0.011 χ^2/NDF:4931135.5/34

All: 60.220+/-0.008 χ^2/NDF: 8386617.4/67

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: 0.010+/-0.017 χ^2/NDF:31.7/16

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.003+/-0.017 χ^2/NDF:13.0/16

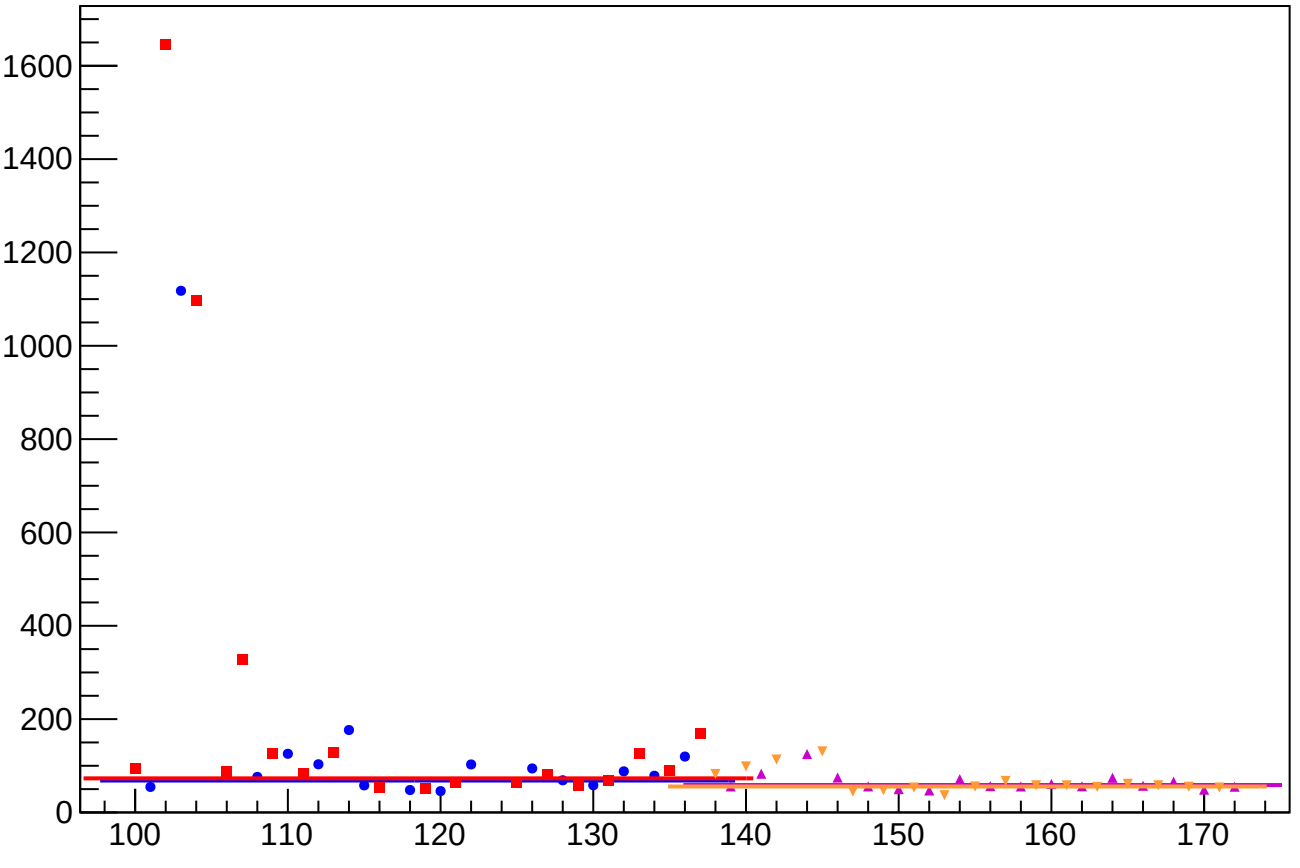
Left: 0.007+/-0.012 χ^2/NDF: 44.8/33

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.008+/-0.015 χ^2/NDF:28.1/32

Out: 0.005+/-0.015 χ^2/NDF:42.9/34

All: 0.007+/-0.011 χ^2/NDF: 71.1/67



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.616+/-0.012 χ^2/NDF:1587633.9/16

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 58.738+/-0.012 χ^2/NDF:1006632.4/16

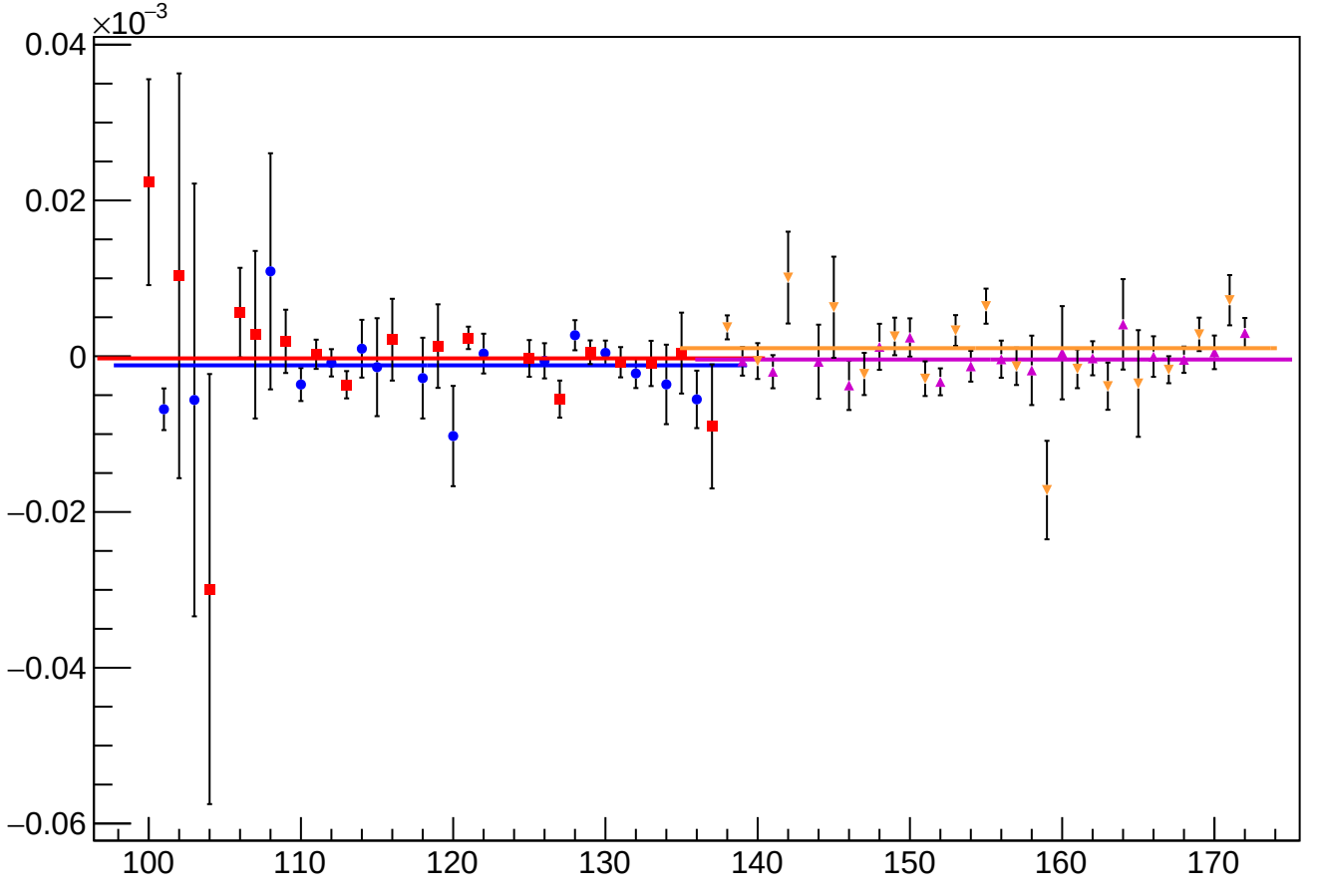
Left: 57.160+/-0.009 χ^2/NDF: 2626907.3/33

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 61.154+/-0.011 χ^2/NDF:3439852.2/32

Out: 59.257+/-0.011 χ^2/NDF:4931135.5/34

All: 60.220+/-0.008 χ^2/NDF: 8386617.4/67



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:38.9/16

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:10.3/16

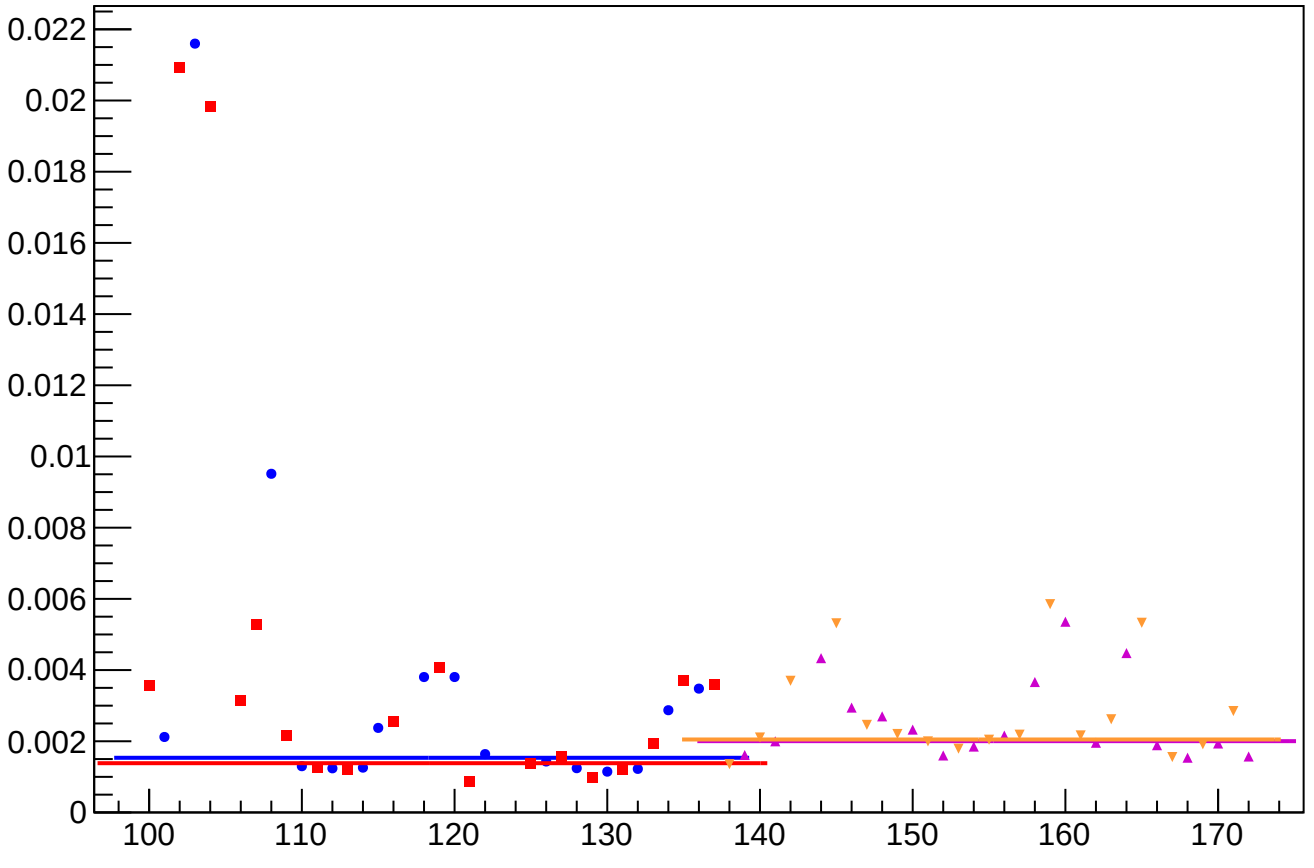
Left: 0.000+/-0.000 χ^2/NDF: 52.2/33

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:60.7/34

All: -0.000+/-0.000 χ^2/NDF: 91.5/67



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2711856.3/16

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.002+/-0.000 χ^2/NDF:2550529.8/16

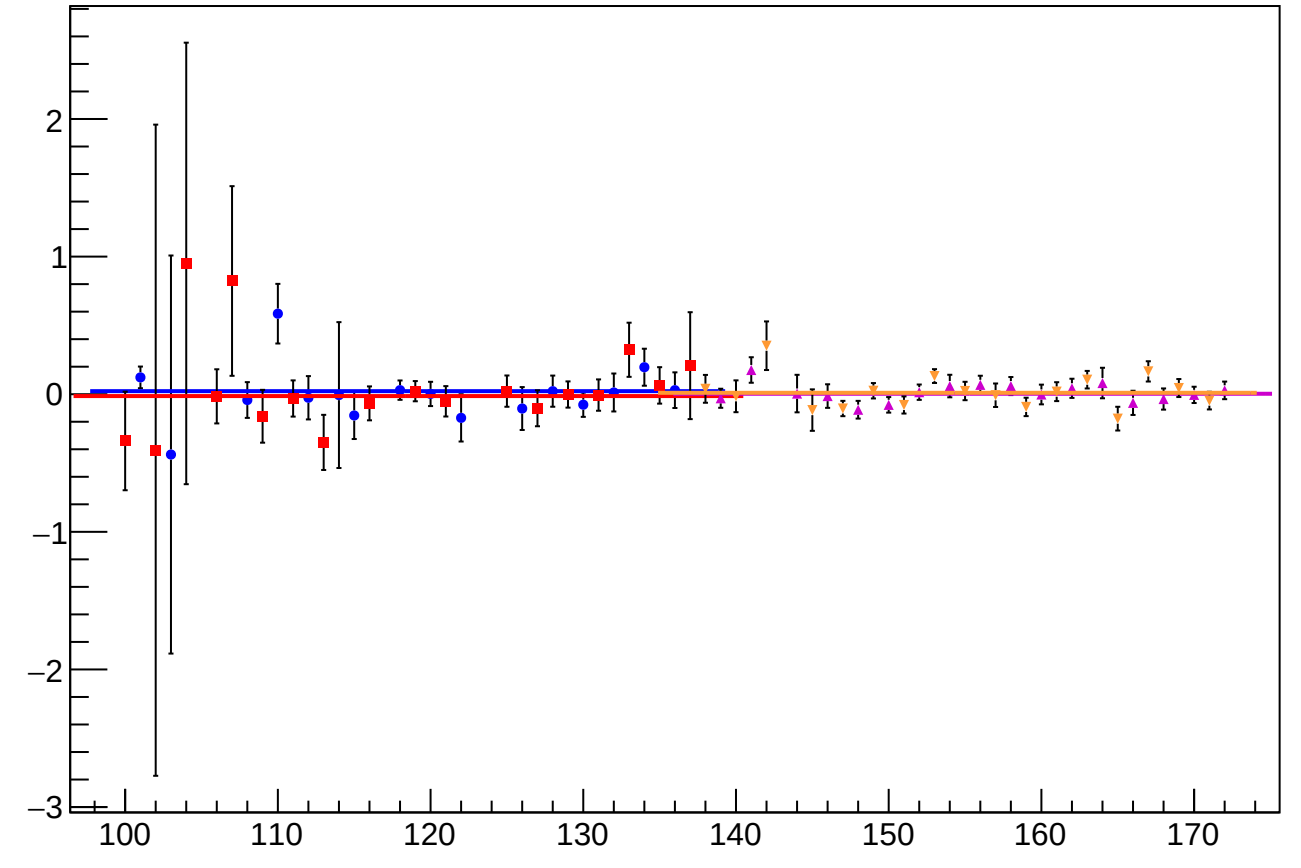
Left: 0.002+/-0.000 χ^2/NDF: 5268750.1/33

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:8144866.2/34

All: 0.002+/-0.000 χ^2/NDF: 14658179.7/67



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.017 χ^2/NDF:31.7/16

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: 0.007+/-0.012 χ^2/NDF: 44.8/33

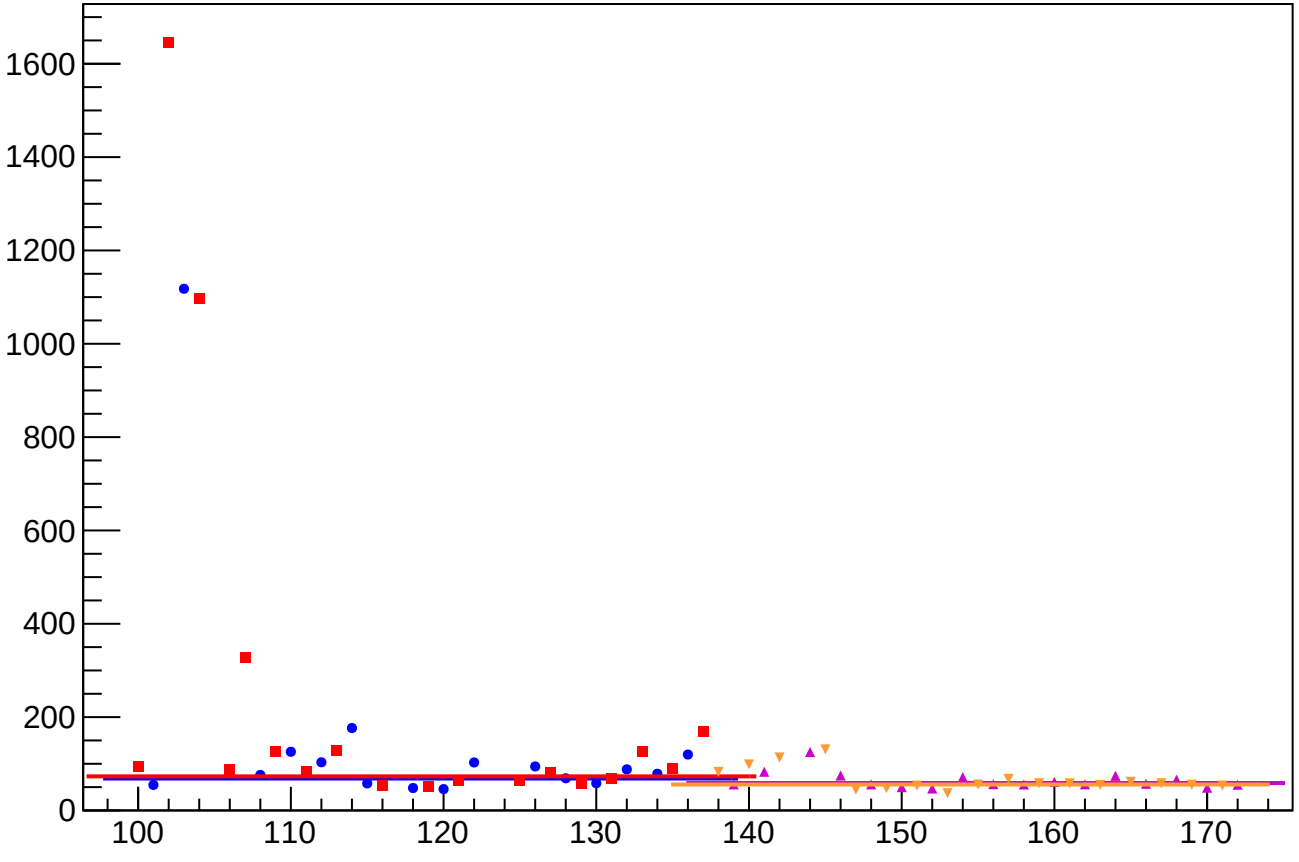
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.008+/-0.015 χ^2/NDF:28.1/32

Out: 0.005+/-0.015 χ^2/NDF:42.9/34

All: 0.007+/-0.011 χ^2/NDF: 71.1/67

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.616+/-0.012 χ^2/NDF:1587706.7/16

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 58.738+/-0.012 χ^2/NDF:1006603.4/16

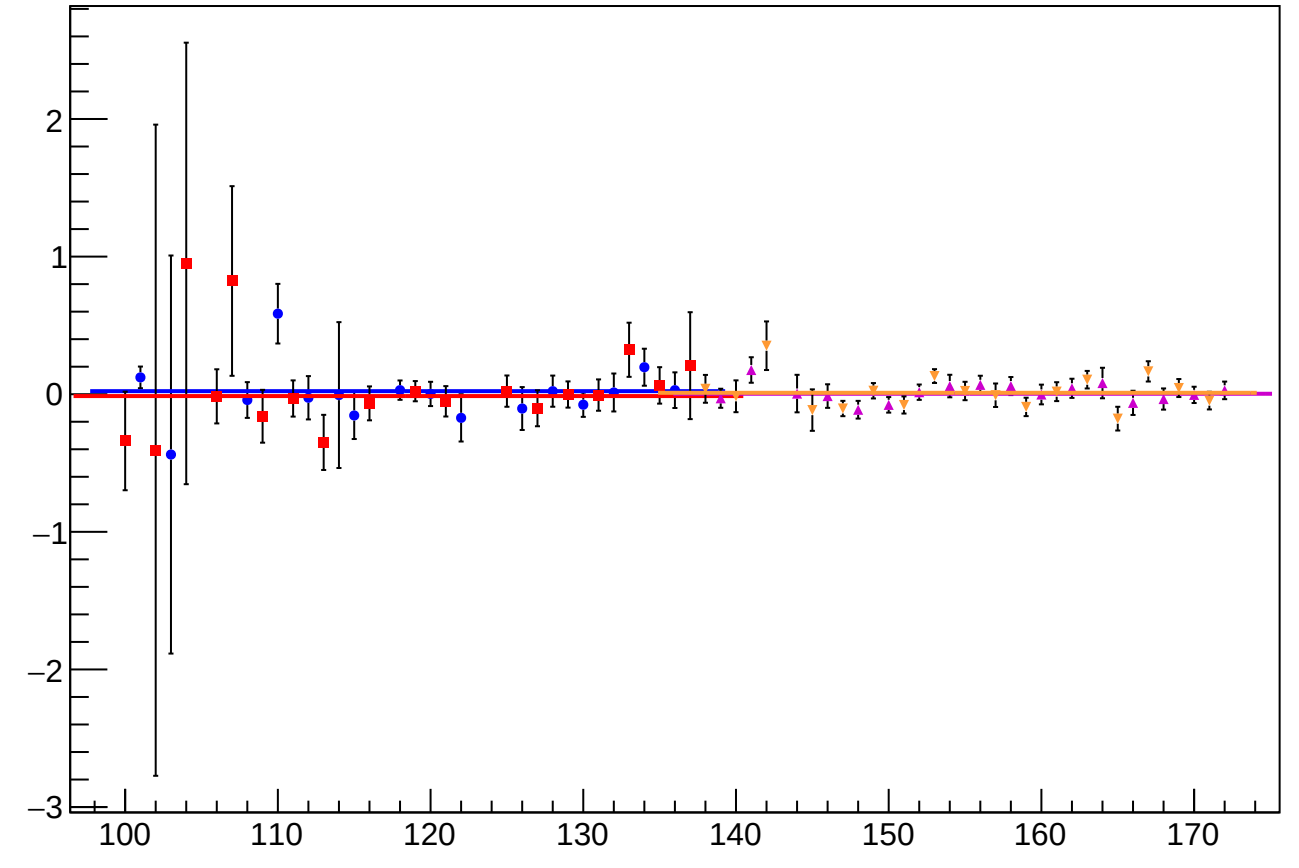
Left: 57.160+/-0.009 χ^2/NDF: 2626956.8/33

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 61.154+/-0.011 χ^2/NDF:3439871.0/32

Out: 59.257+/-0.011 χ^2/NDF:4931200.7/34

All: 60.220+/-0.008 χ^2/NDF: 8386702.8/67



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.010+/-0.017 χ^2/NDF:31.7/16

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: 0.007+/-0.012 χ^2/NDF: 44.8/33

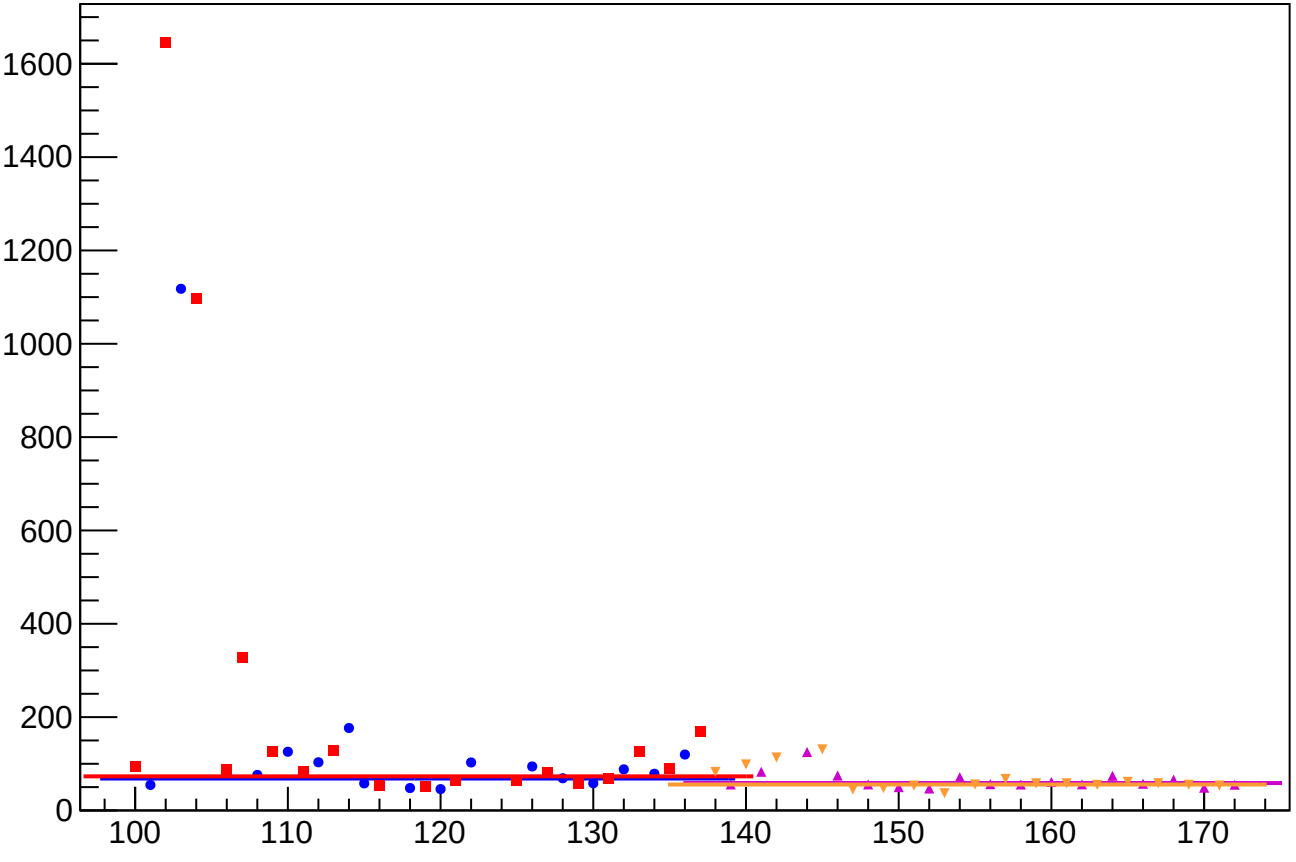
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.008+/-0.015 χ^2/NDF:28.1/32

Out: 0.005+/-0.015 χ^2/NDF:42.9/34

All: 0.007+/-0.011 χ^2/NDF: 71.1/67

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: 55.616+/-0.012 χ^2/NDF:1587706.7/16

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 58.738+/-0.012 χ^2/NDF:1006603.4/16

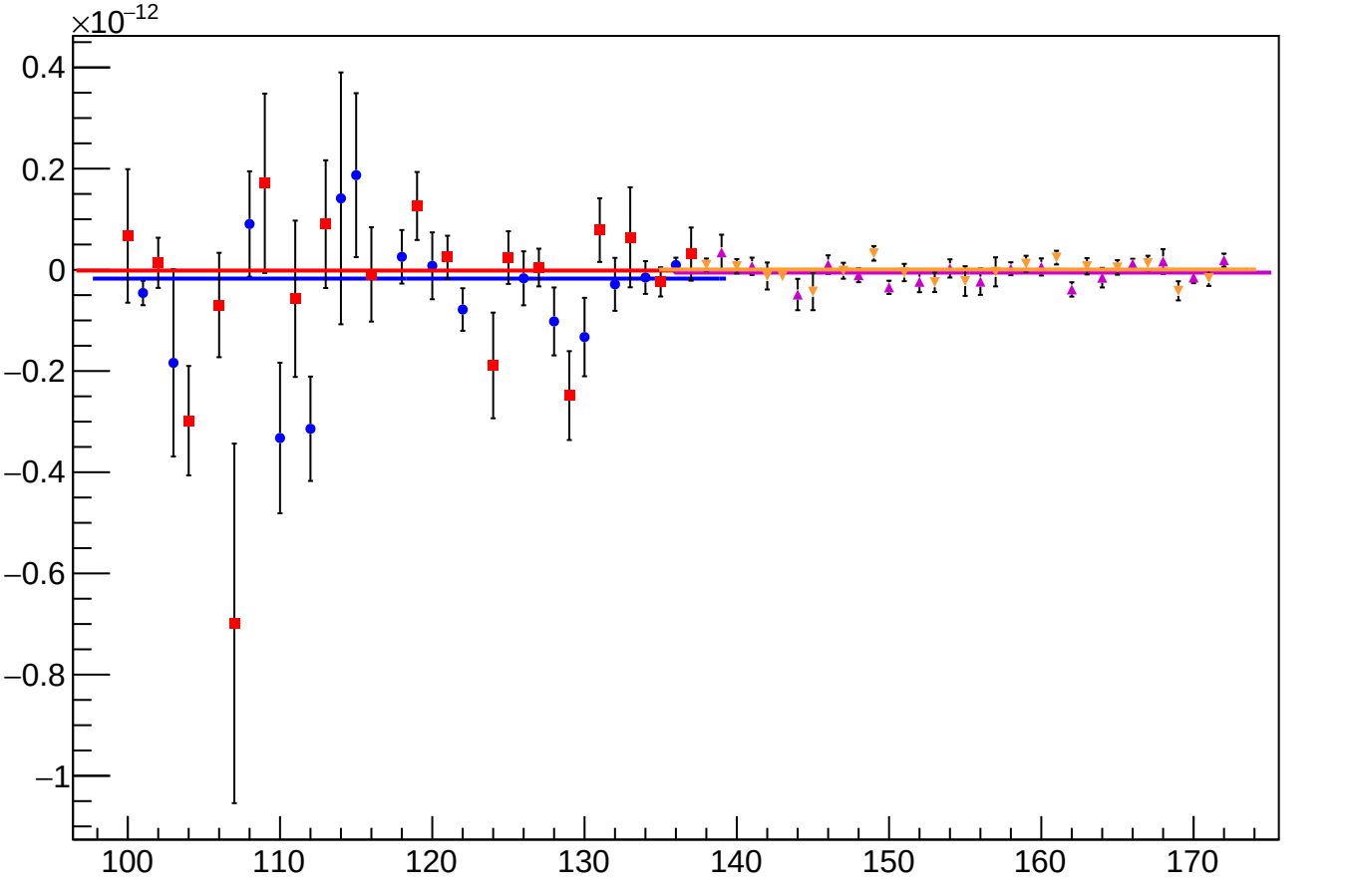
Left: 57.160+/-0.009 χ^2/NDF: 2626956.8/33

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 61.154+/-0.011 χ^2/NDF:3439871.0/32

Out: 59.257+/-0.011 χ^2/NDF:4931200.7/34

All: 60.220+/-0.008 χ^2/NDF: 8386702.8/67



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/17

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:25.6/16

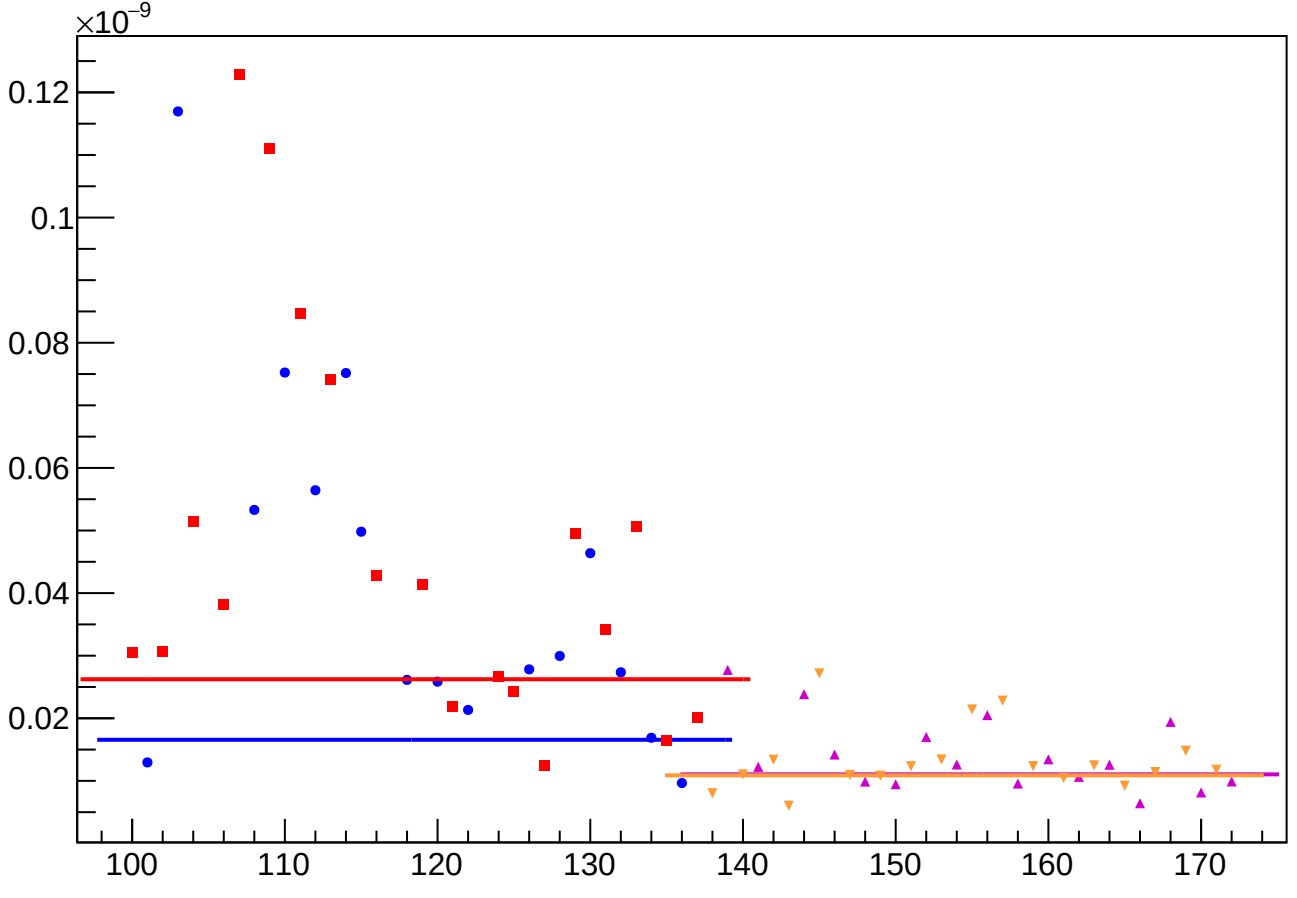
Left: -0.000+/-0.000 χ^2/NDF: 49.3/34

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:54.7/36

All: -0.000+/-0.000 χ^2/NDF: 112.0/69



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1873109.4/17

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: 4107213.3/34

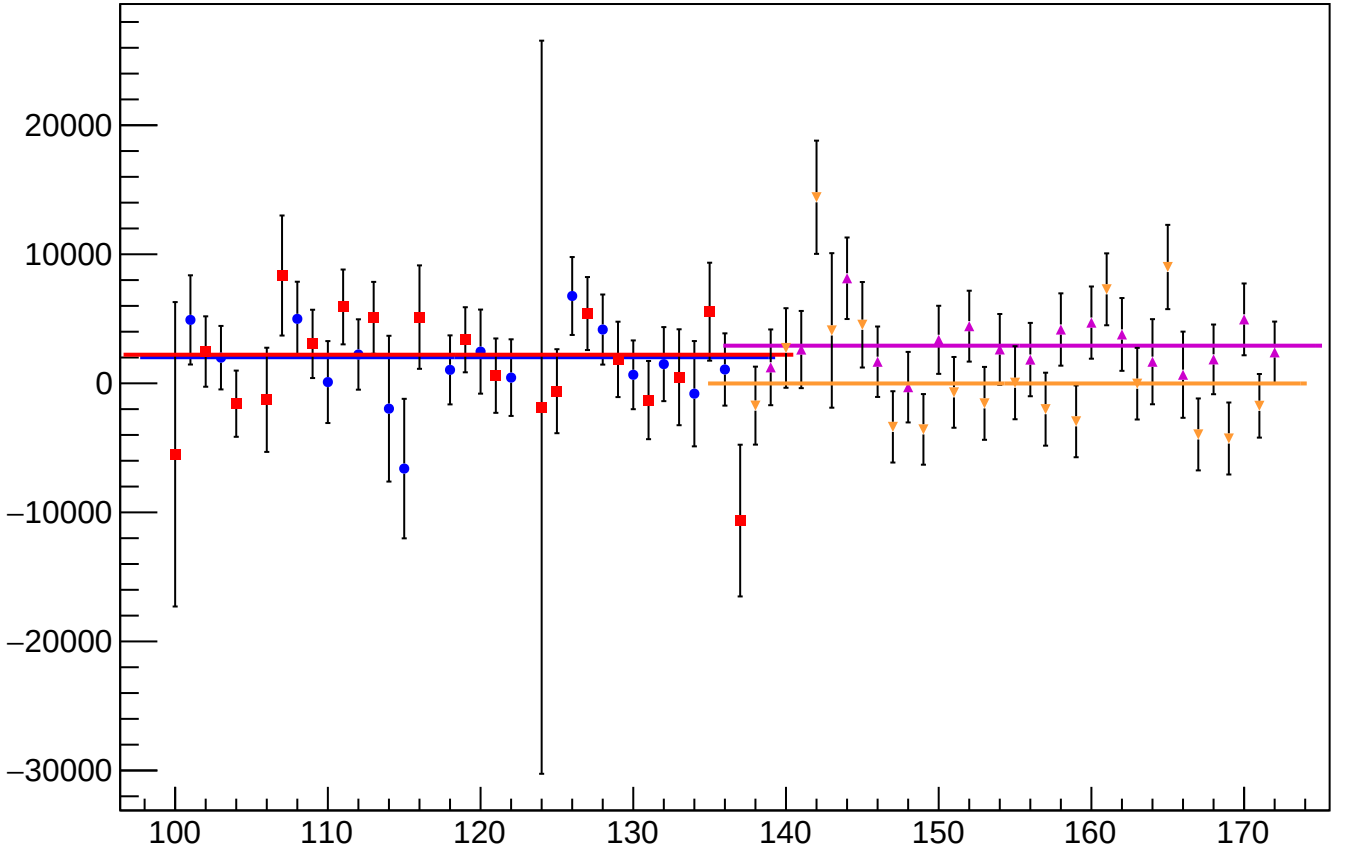
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:5590127.1/32

Out: 0.000+/-0.000 χ^2/NDF:6390643.0/36

All: 0.000+/-0.000 χ^2/NDF: 11981916.7/69

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: -11.078+/-696.370 χ^2/NDF:38.8/17

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: 1478.104+/-488.187 χ^2/NDF: 54.9/34

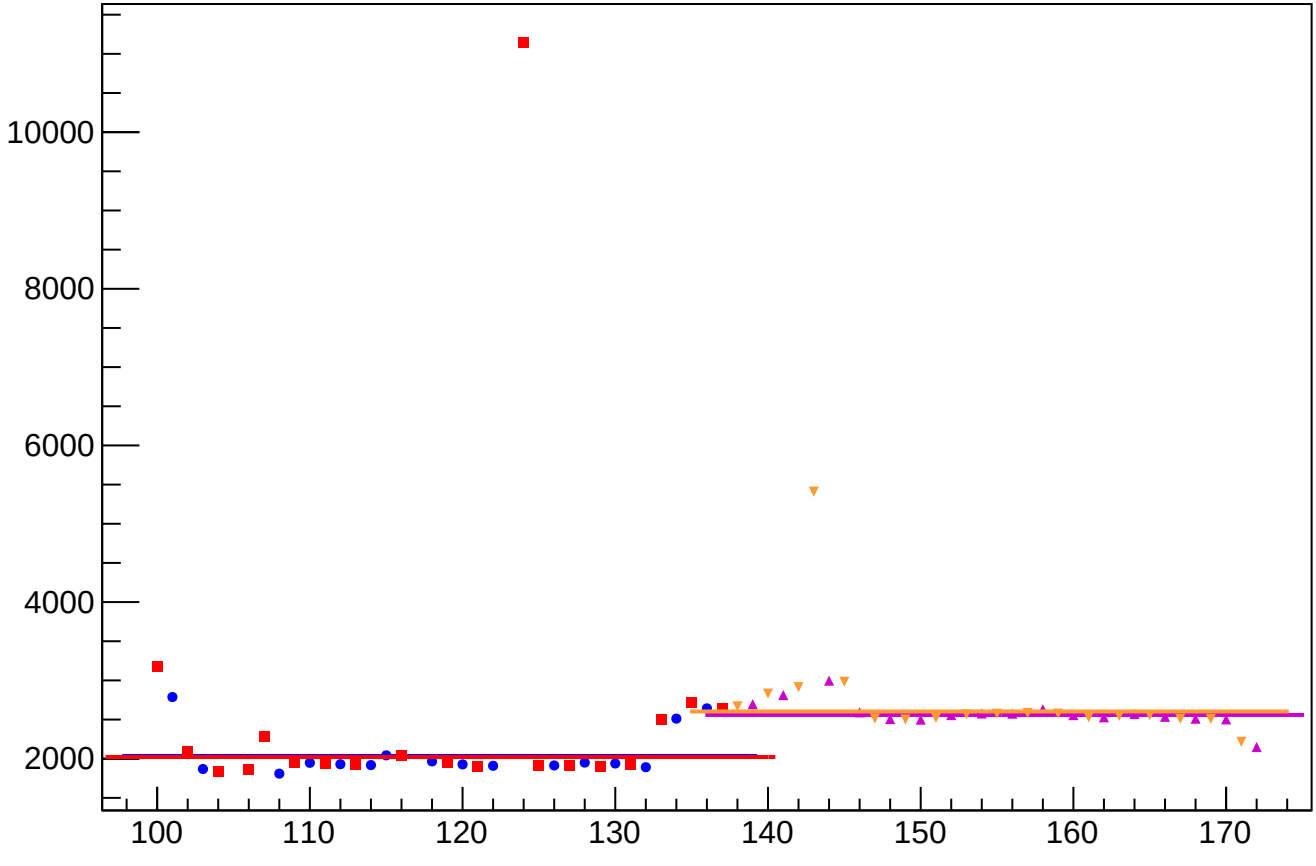
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2519.097+/-509.952 χ^2/NDF:17.6/32

Out: 1011.553+/-512.237 χ^2/NDF:61.6/36

All: 1768.695+/-361.395 χ^2/NDF: 83.5/69

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2603.539+/-0.492 χ^2/NDF:551428.4/17

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2558.794+/-0.484 χ^2/NDF:121714.0/16

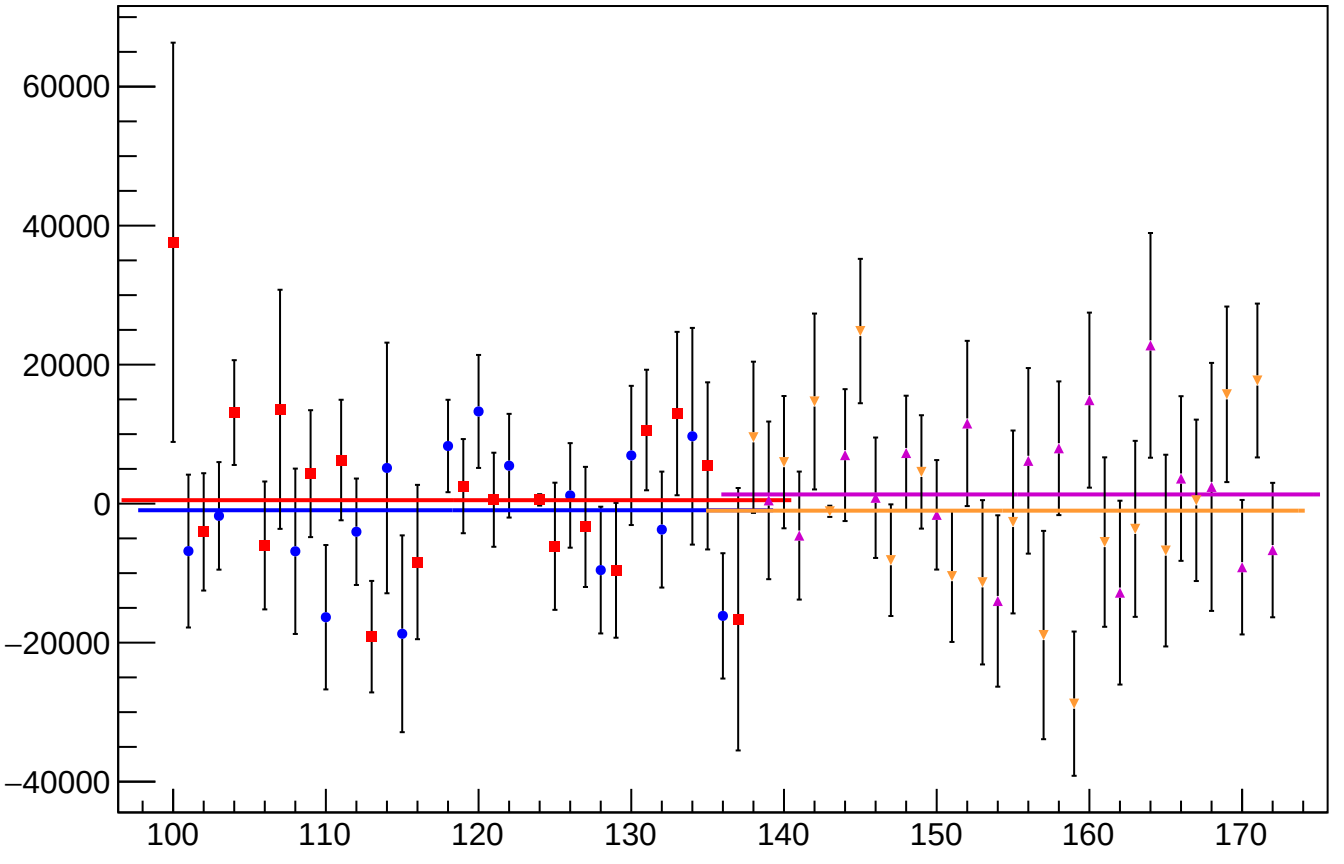
Left: 2580.785+/-0.345 χ^2/NDF: 677341.6/34

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2325.275+/-0.361 χ^2/NDF:907504.9/32

Out: 2336.450+/-0.362 χ^2/NDF:1582849.4/36

All: 2330.837+/-0.256 χ^2/NDF: 2490832.4/69



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -1009.965+/-771.891 χ^2/NDF:25.8/17

Right Out: 497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: 1325.219+/-2561.710 χ^2/NDF:10.3/16

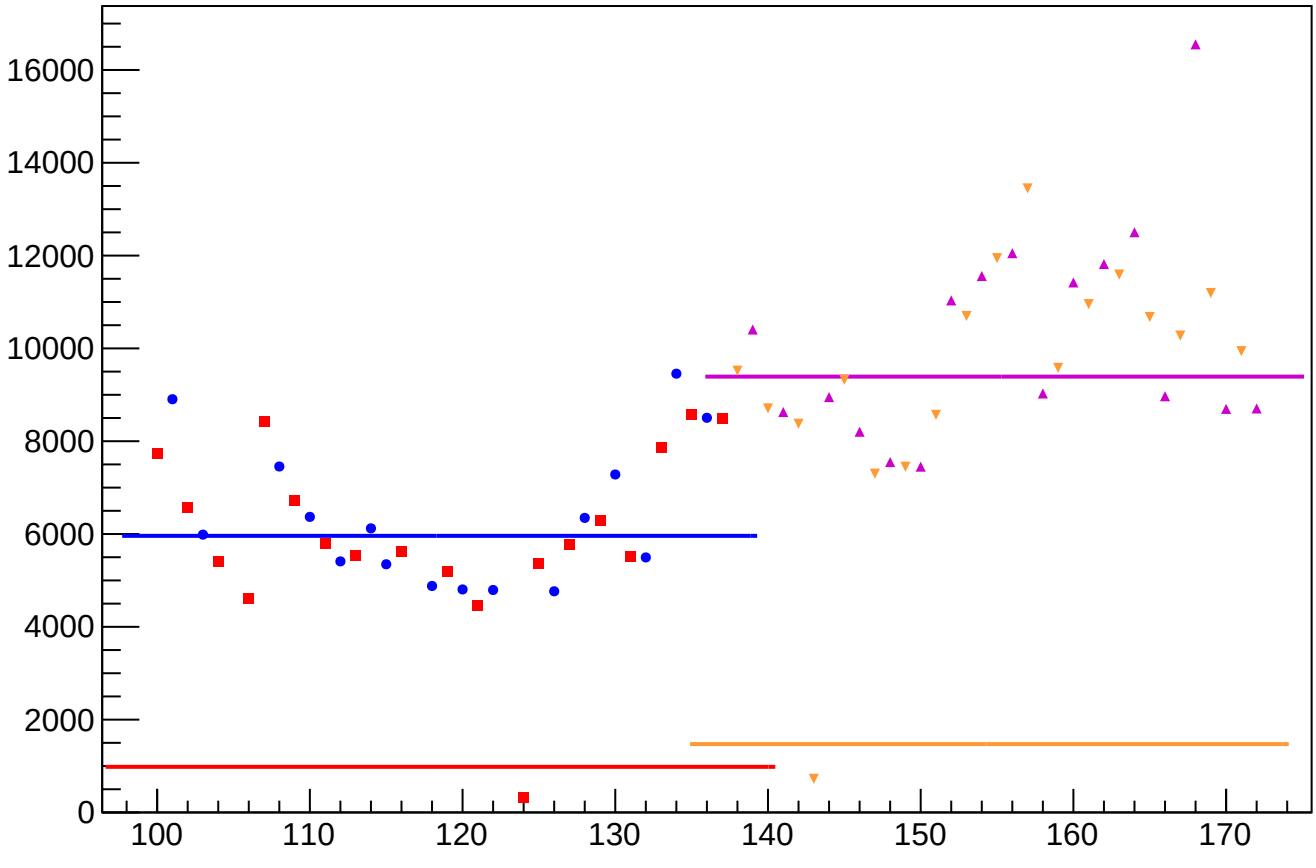
Left: -815.594+/-739.069 χ^2/NDF: 36.9/34

Right: 349.538+/-728.015 χ^2/NDF: 34.2/34

In: 54.662+/-1702.515 χ^2/NDF:26.1/32

Out: -252.782+/-544.531 χ^2/NDF:46.2/36

All: -224.250+/-518.648 χ^2/NDF: 72.3/69



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1473.387+/-0.546 χ^2/NDF:20821052.5/17

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: 2132.511+/-0.523 χ^2/NDF: 39354712.2/34

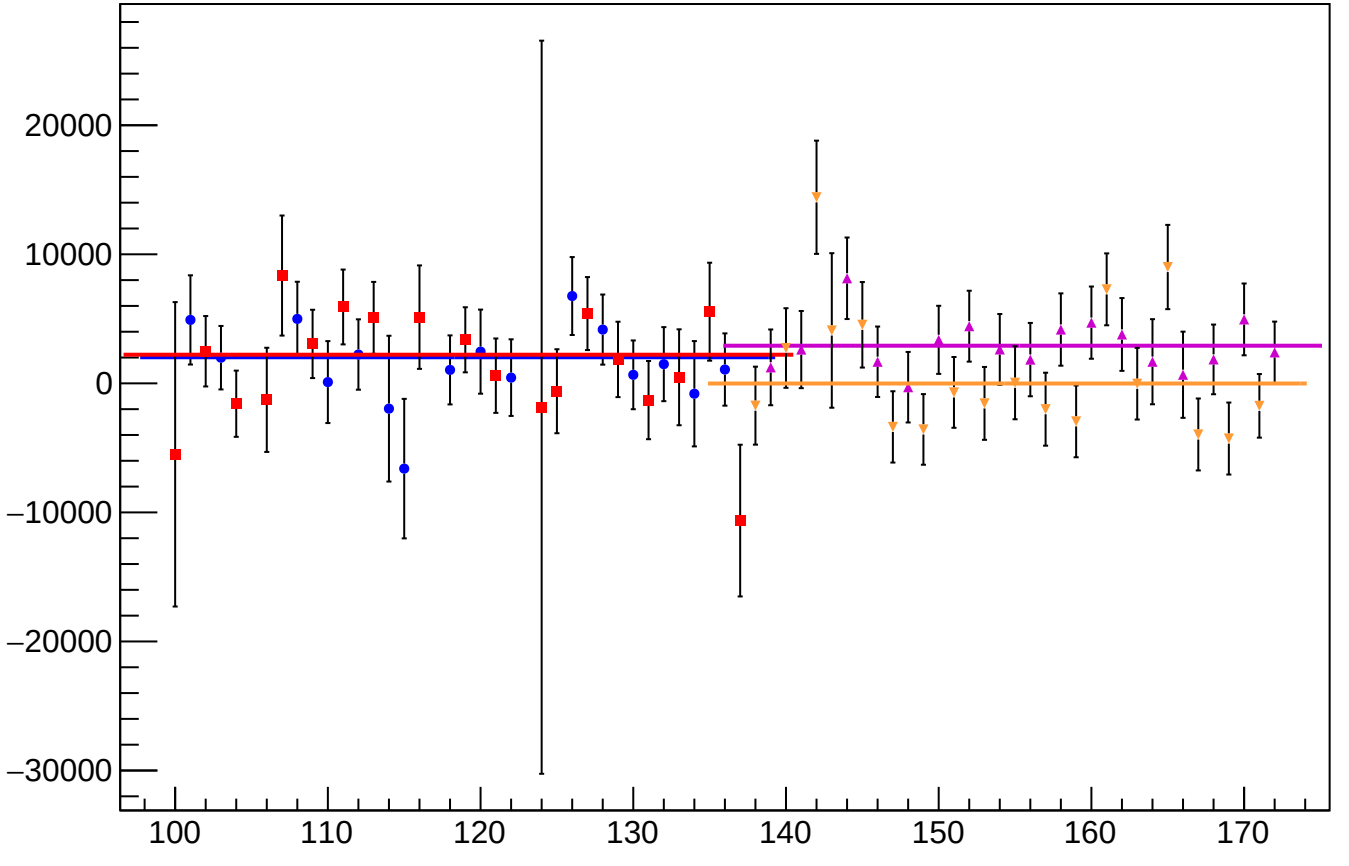
Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 7476.407+/-1.204 χ^2/NDF:3706024.9/32

Out: 1227.205+/-0.385 χ^2/NDF:32642722.2/36

All: 1807.152+/-0.367 χ^2/NDF: 60794232.2/6

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: -11.055+/-696.370 χ^2/NDF:38.8/17

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: 1478.147+/-488.187 χ^2/NDF: 55.0/34

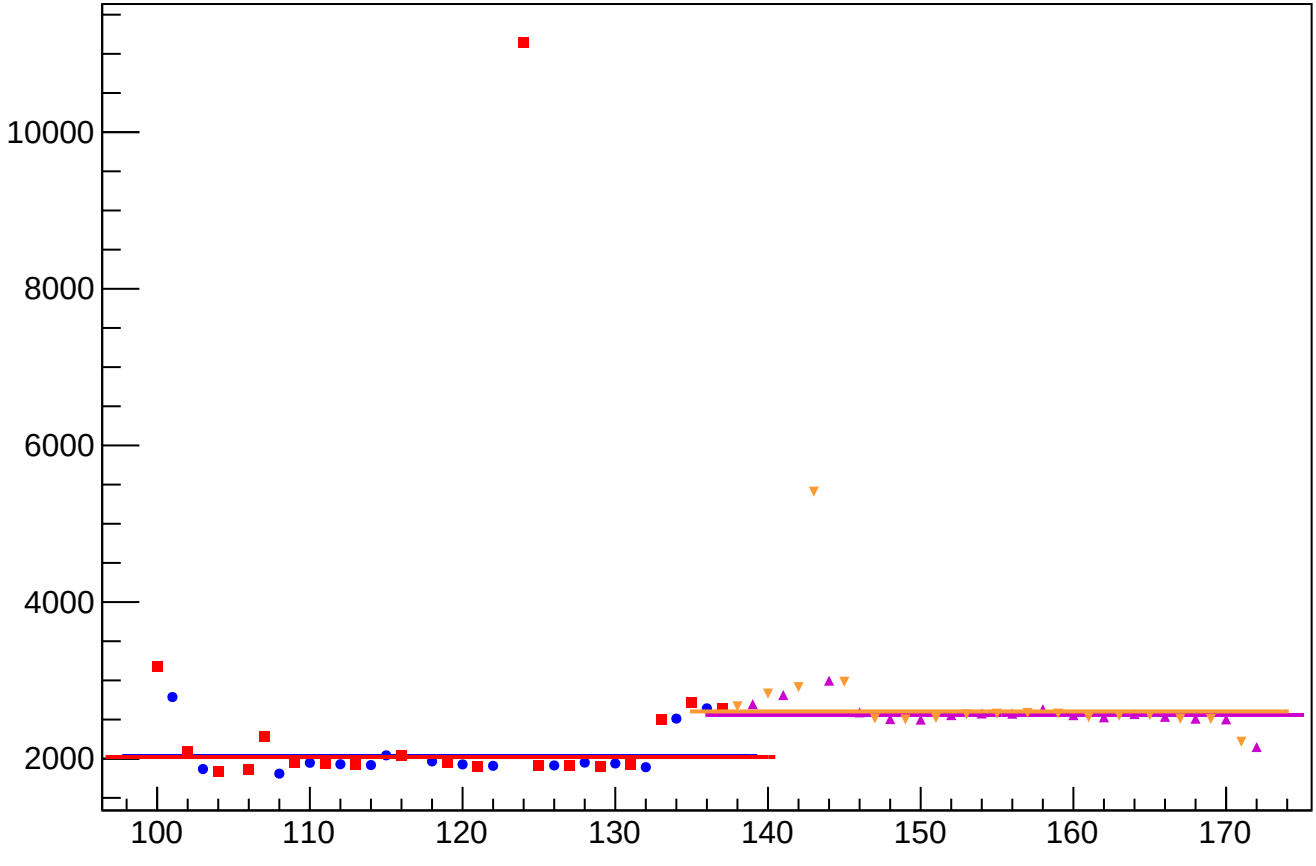
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2519.189+/-509.952 χ^2/NDF:17.6/32

Out: 1012.397+/-512.239 χ^2/NDF:61.6/36

All: 1769.164+/-361.396 χ^2/NDF: 83.5/69

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2603.540+/-0.492 χ^2/NDF:551428.4/17

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2558.794+/-0.484 χ^2/NDF:121714.0/16

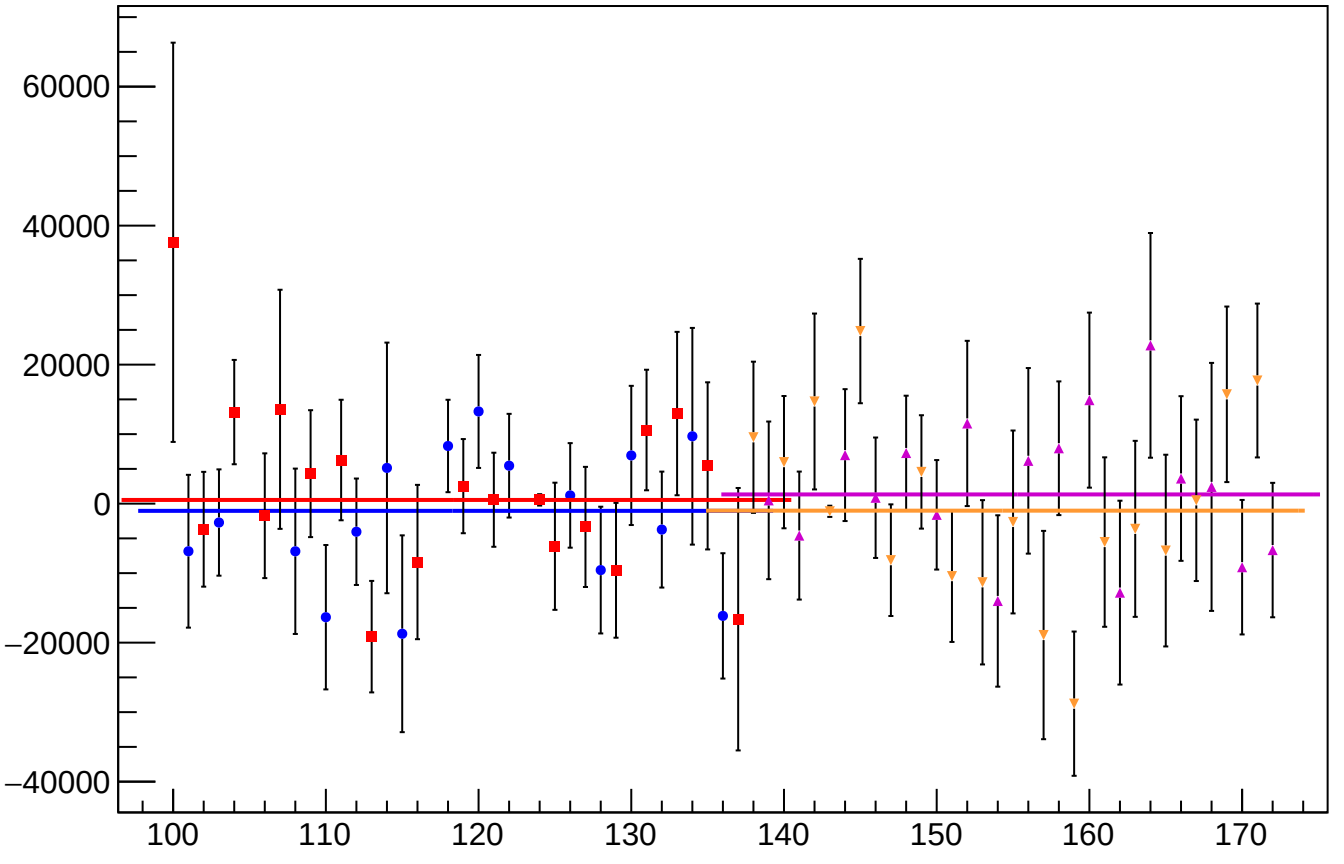
Left: 2580.785+/-0.345 χ^2/NDF: 677341.6/34

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2325.274+/-0.361 χ^2/NDF:907505.1/32

Out: 2336.463+/-0.362 χ^2/NDF:1582806.7/36

All: 2330.844+/-0.256 χ^2/NDF: 2490791.0/69



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1009.748+/-771.823 χ^2/NDF:25.8/17

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 1325.305+/-2561.707 χ^2/NDF:10.3/16

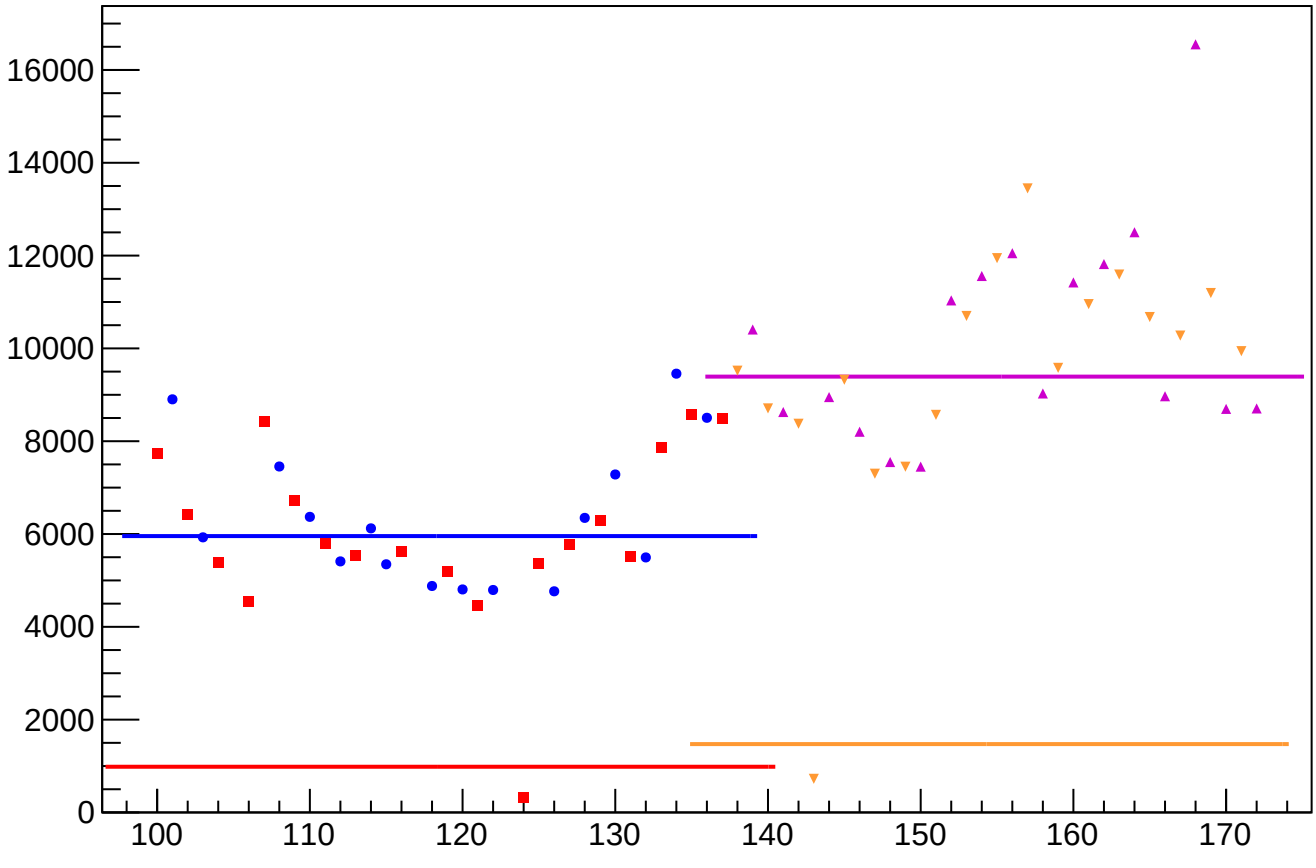
Left: -815.419+/-739.009 χ^2/NDF: 36.9/34

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: 4.689+/-1701.533 χ^2/NDF:26.1/32

Out: -235.666+/-544.386 χ^2/NDF:45.9/36

All: -213.347+/-518.495 χ^2/NDF: 72.0/69



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1473.192+/-0.546 χ^2/NDF:20821699.6/17

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9392.134+/-1.811 χ^2/NDF:1013353.7/16

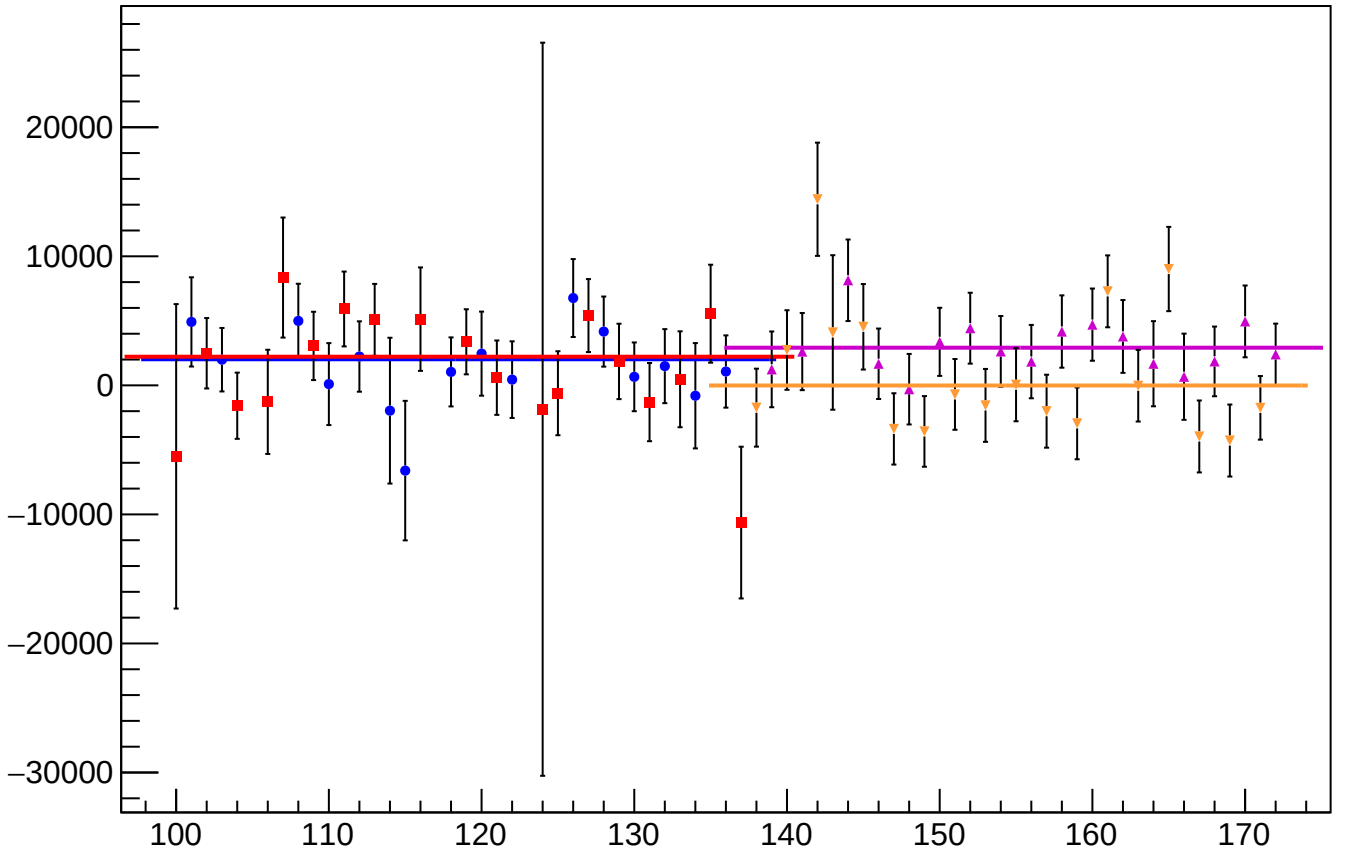
Left: 2132.225+/-0.523 χ^2/NDF: 39356477.0/34

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7471.772+/-1.203 χ^2/NDF:3713763.1/32

Out: 1227.889+/-0.385 χ^2/NDF:32636562.1/36

All: 1807.670+/-0.367 χ^2/NDF: 60780981.0/6



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: -11.055+/-696.370 χ^2/NDF:38.8/17

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: 1478.147+/-488.187 χ^2/NDF: 55.0/34

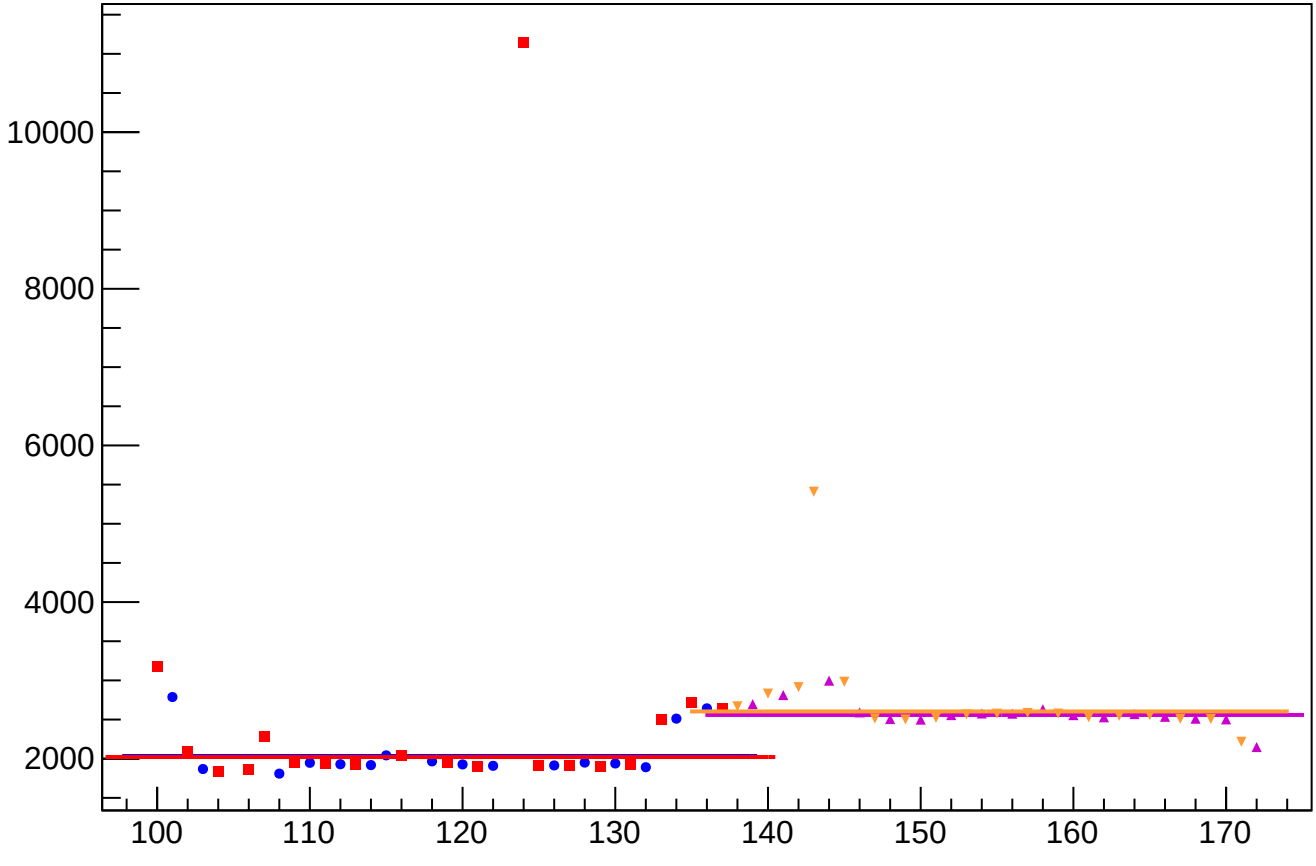
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2519.189+/-509.952 χ^2/NDF:17.6/32

Out: 1012.397+/-512.239 χ^2/NDF:61.6/36

All: 1769.164+/-361.396 χ^2/NDF: 83.5/69

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2603.540+/-0.492 χ^2/NDF:551428.4/17

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2558.794+/-0.484 χ^2/NDF:121714.0/16

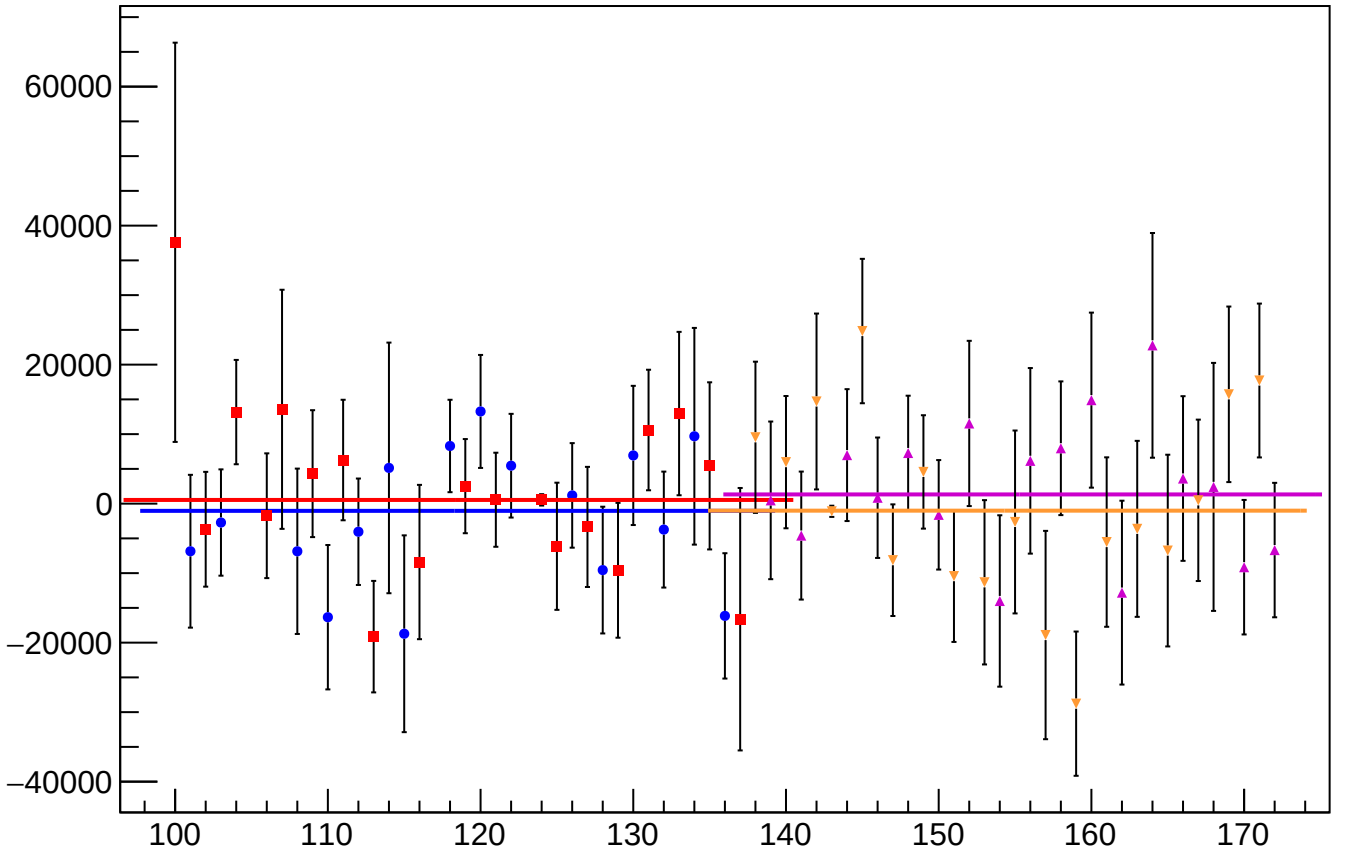
Left: 2580.785+/-0.345 χ^2/NDF: 677341.6/34

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2325.274+/-0.361 χ^2/NDF:907505.1/32

Out: 2336.463+/-0.362 χ^2/NDF:1582806.7/36

All: 2330.844+/-0.256 χ^2/NDF: 2490791.0/69



Right In: -1037.942+/-2276.180 χ^2/NDF: 15.4/15

Left Out: -1009.748+/-771.823 χ^2/NDF:25.8/17

Right Out: 530.662+/-767.947 χ^2/NDF: 18.0/18

Left In: 1325.305+/-2561.707 χ^2/NDF:10.3/16

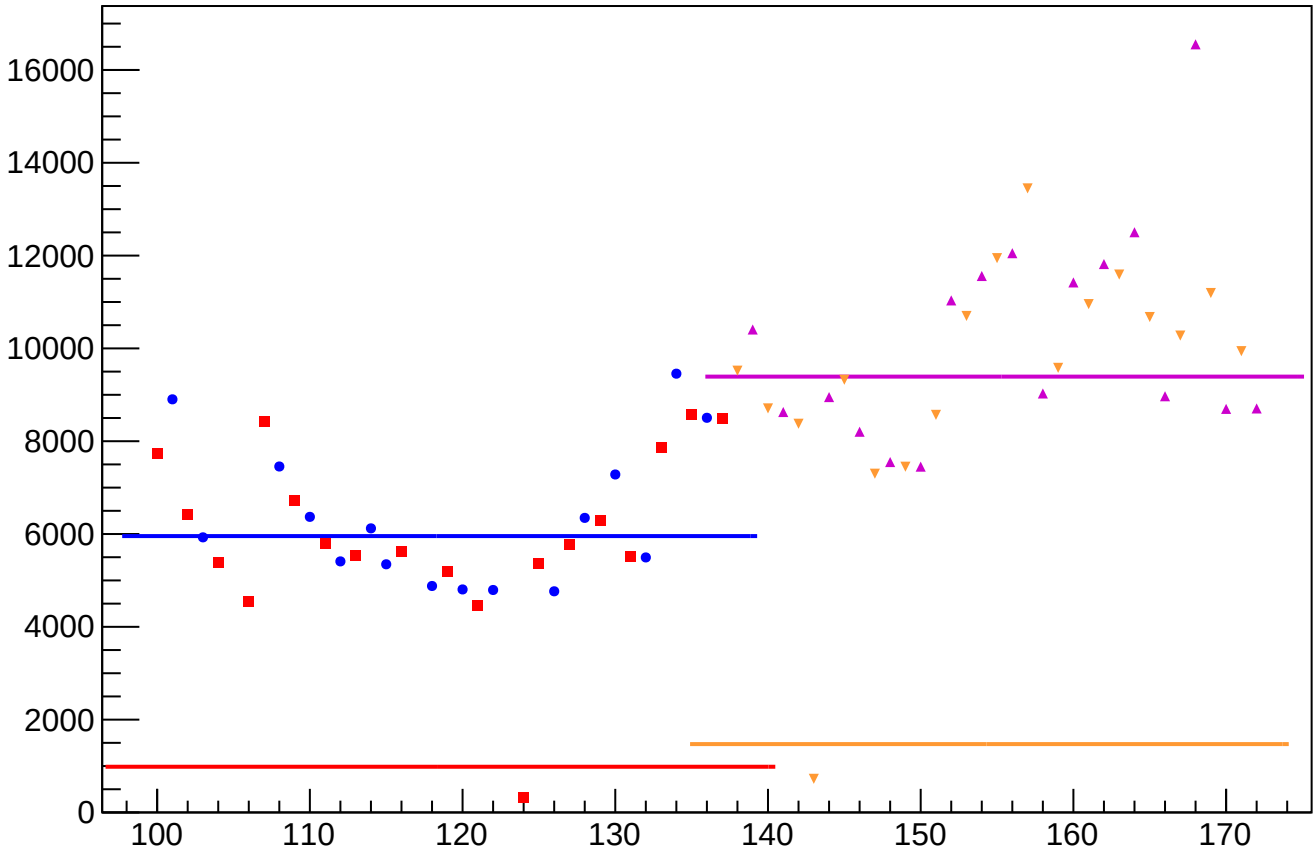
Left: -815.419+/-739.009 χ^2/NDF: 36.9/34

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: 4.689+/-1701.533 χ^2/NDF:26.1/32

Out: -235.666+/-544.386 χ^2/NDF:45.9/36

All: -213.347+/-518.495 χ^2/NDF: 72.0/69



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1473.192+/-0.546 χ^2/NDF:20821699.6/17

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: 2132.225+/-0.523 χ^2/NDF: 39356477.0/34

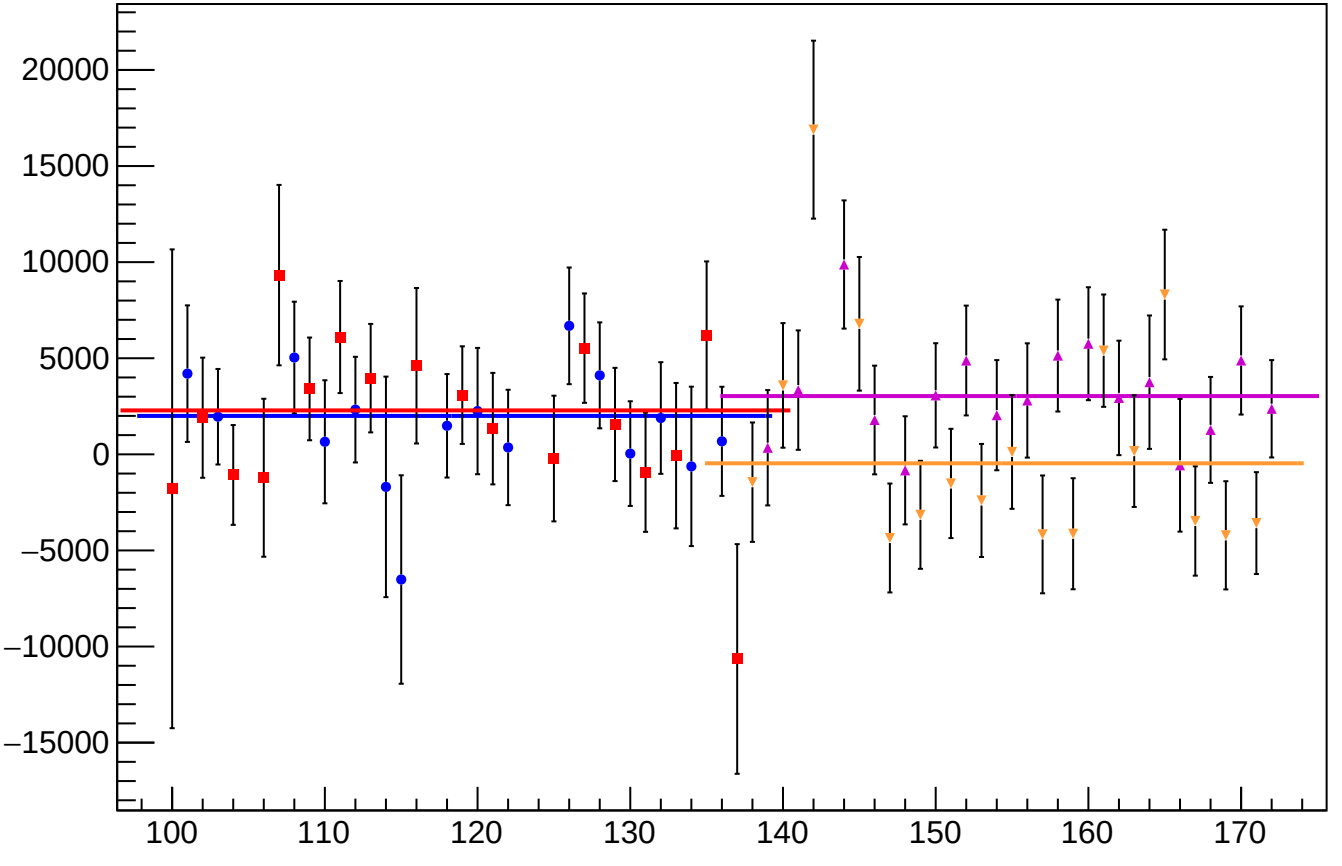
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7471.772+/-1.203 χ^2/NDF:3713763.1/32

Out: 1227.889+/-0.385 χ^2/NDF:32636562.1/36

All: 1807.670+/-0.367 χ^2/NDF: 60780981.0/6

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: -466.848+/-730.417 χ^2/NDF:41.7/16

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: 1328.746+/-509.588 χ^2/NDF: 64.5/33

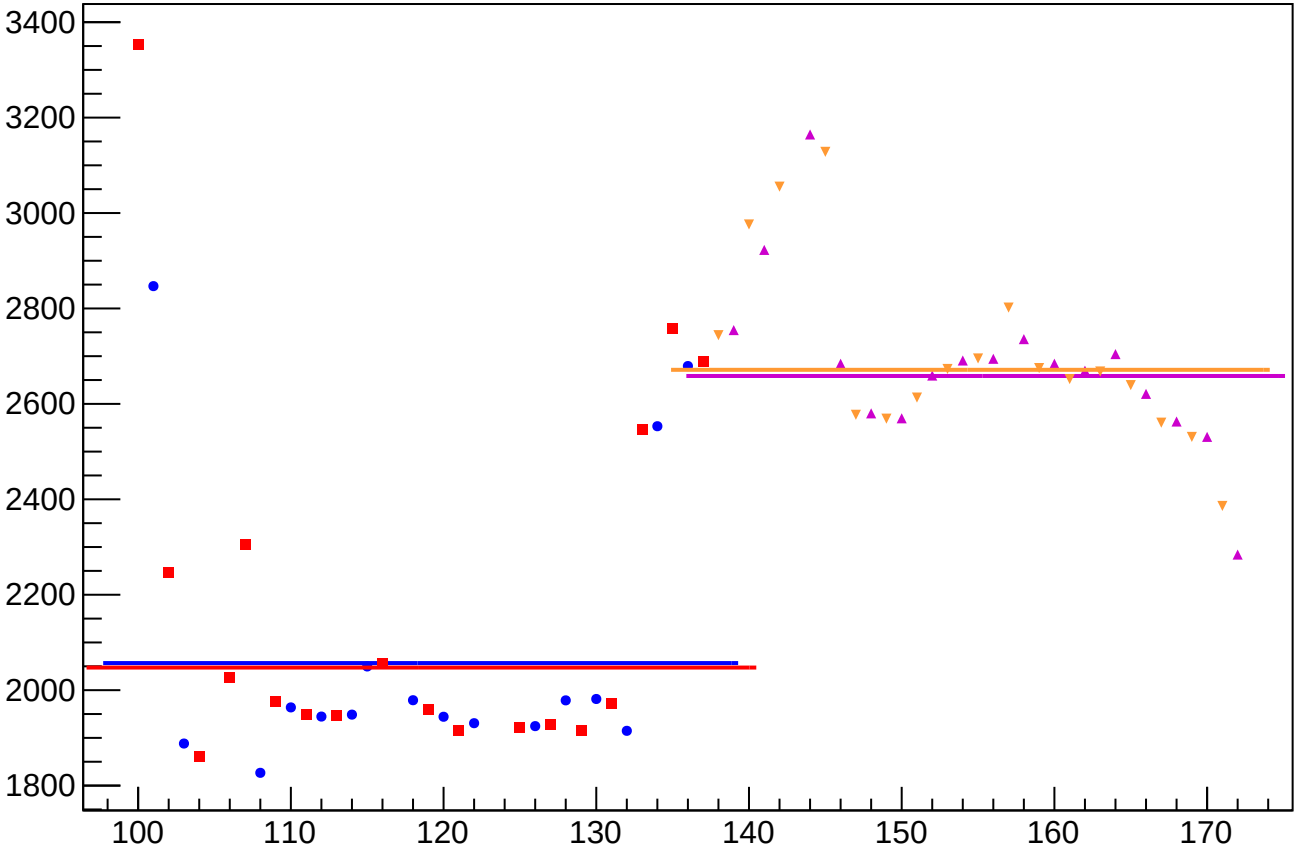
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2558.584+/-523.585 χ^2/NDF:21.0/32

Out: 834.642+/-530.347 χ^2/NDF:65.0/34

All: 1707.672+/-372.598 χ^2/NDF: 91.4/67

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2671.413+/-0.516 χ^2/NDF:107948.6/16

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2658.482+/-0.503 χ^2/NDF:119336.1/16

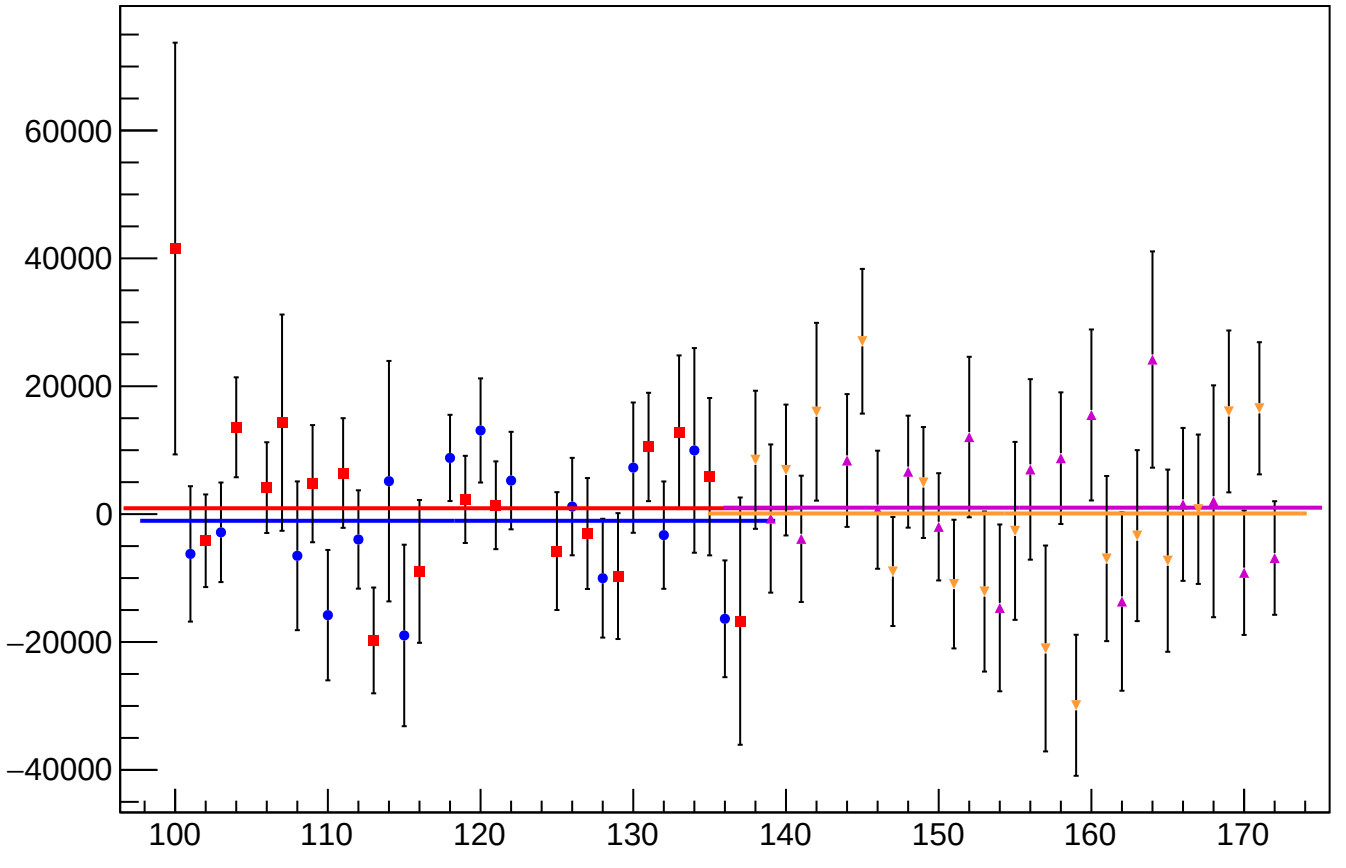
Left: 2664.776+/-0.360 χ^2/NDF: 227606.5/33

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2382.817+/-0.370 χ^2/NDF:1045457.3/32

Out: 2375.912+/-0.375 χ^2/NDF:995731.3/34

All: 2379.406+/-0.263 χ^2/NDF: 2041360.4/67



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: 105.135+/-2761.938 χ^2/NDF:25.5/16

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: 1007.609+/-2671.120 χ^2/NDF:10.3/16

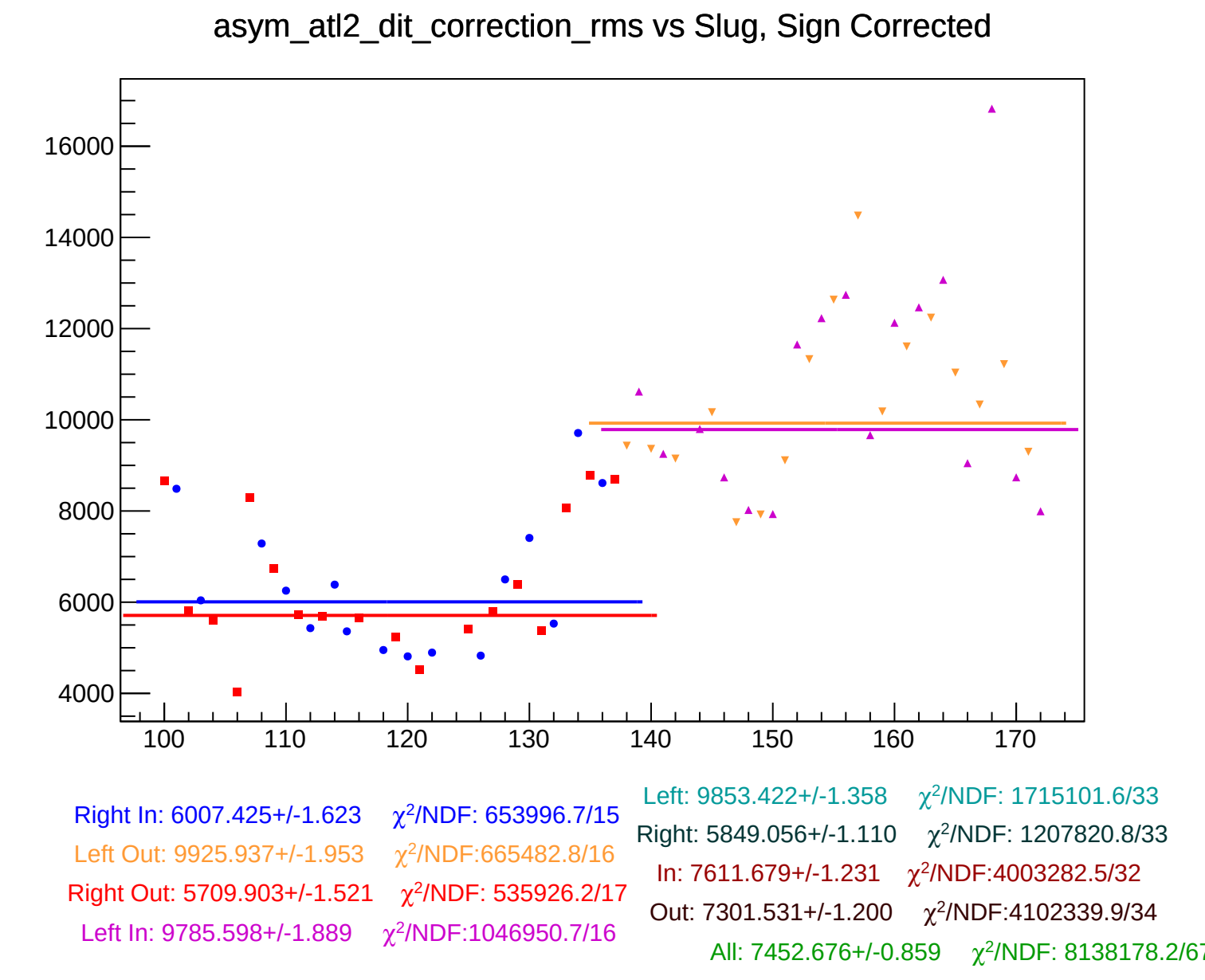
Left: 571.454+/-1920.071 χ^2/NDF: 35.9/33

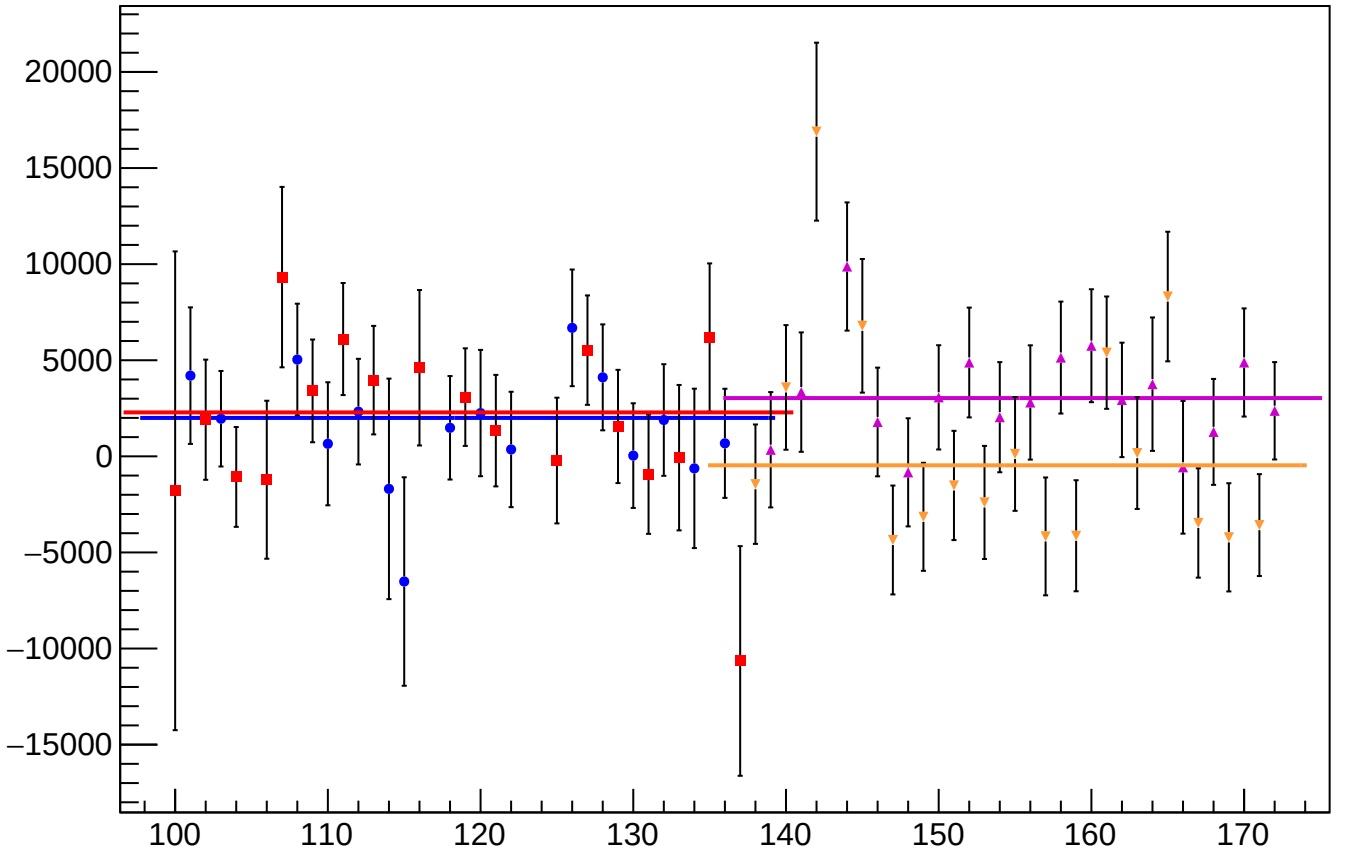
Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: -172.009+/-1740.560 χ^2/NDF:26.0/32

Out: 612.164+/-1697.003 χ^2/NDF:43.9/34

All: 230.012+/-1215.069 χ^2/NDF: 70.0/67


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 6007.425+/-1.623 χ²/NDF: 653996.7/15
Left Out: 9925.937+/-1.953 χ²/NDF:665482.8/16
Right Out: 5709.903+/-1.521 χ²/NDF: 535926.2/17
Left In: 9785.598+/-1.889 χ²/NDF:1046950.7/16
Left: 9853.422+/-1.358 χ²/NDF: 1715101.6/33
Right: 5849.056+/-1.110 χ²/NDF: 1207820.8/33
In: 7611.679+/-1.231 χ²/NDF:4003282.5/32
Out: 7301.531+/-1.200 χ²/NDF:4102339.9/34
All: 7452.676+/-0.859 χ²/NDF: 8138178.2/67



Right In: 1999.218+/-773.538 χ^2/NDF: 9.0/15

Left Out: -466.856+/-730.417 χ^2/NDF:41.7/16

Right Out: 2285.903+/-771.299 χ^2/NDF: 16.7/17

Left In: 3031.557+/-711.296 χ^2/NDF:11.1/16

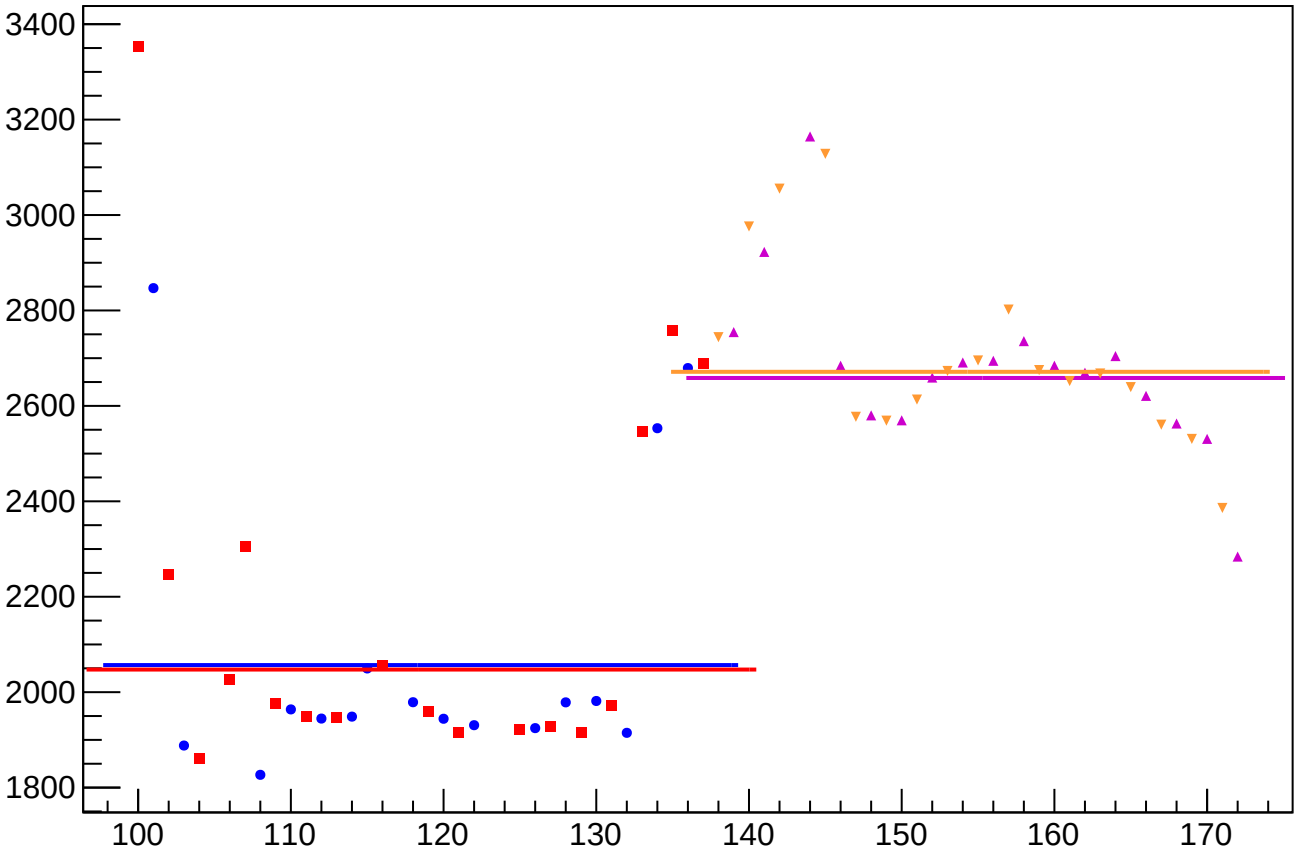
Left: 1328.742+/-509.588 χ^2/NDF: 64.5/33

Right: 2142.976+/-546.180 χ^2/NDF: 25.7/33

In: 2558.586+/-523.586 χ^2/NDF:21.0/32

Out: 834.641+/-530.347 χ^2/NDF:65.0/34

All: 1707.672+/-372.598 χ^2/NDF: 91.4/67



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2671.414+/-0.516 χ^2/NDF:107953.0/16

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2658.483+/-0.503 χ^2/NDF:119340.5/16

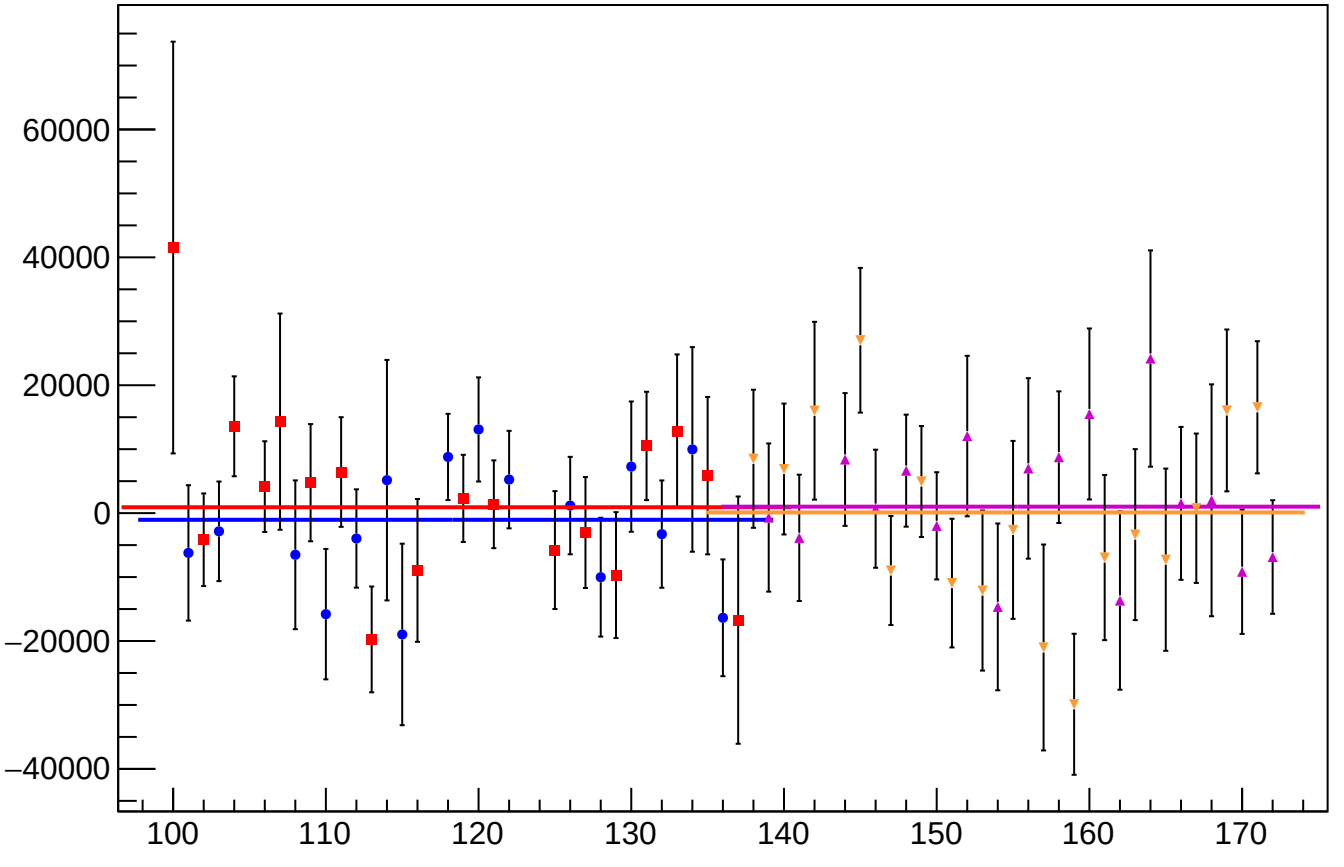
Left: 2664.777+/-0.360 χ^2/NDF: 227615.2/33

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2382.817+/-0.370 χ^2/NDF:1045463.8/32

Out: 2375.912+/-0.375 χ^2/NDF:995738.5/34

All: 2379.406+/-0.263 χ^2/NDF: 2041374.2/67



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: 105.125+/-2761.942 χ^2/NDF:25.5/16

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: 1007.610+/-2671.124 χ^2/NDF:10.3/16

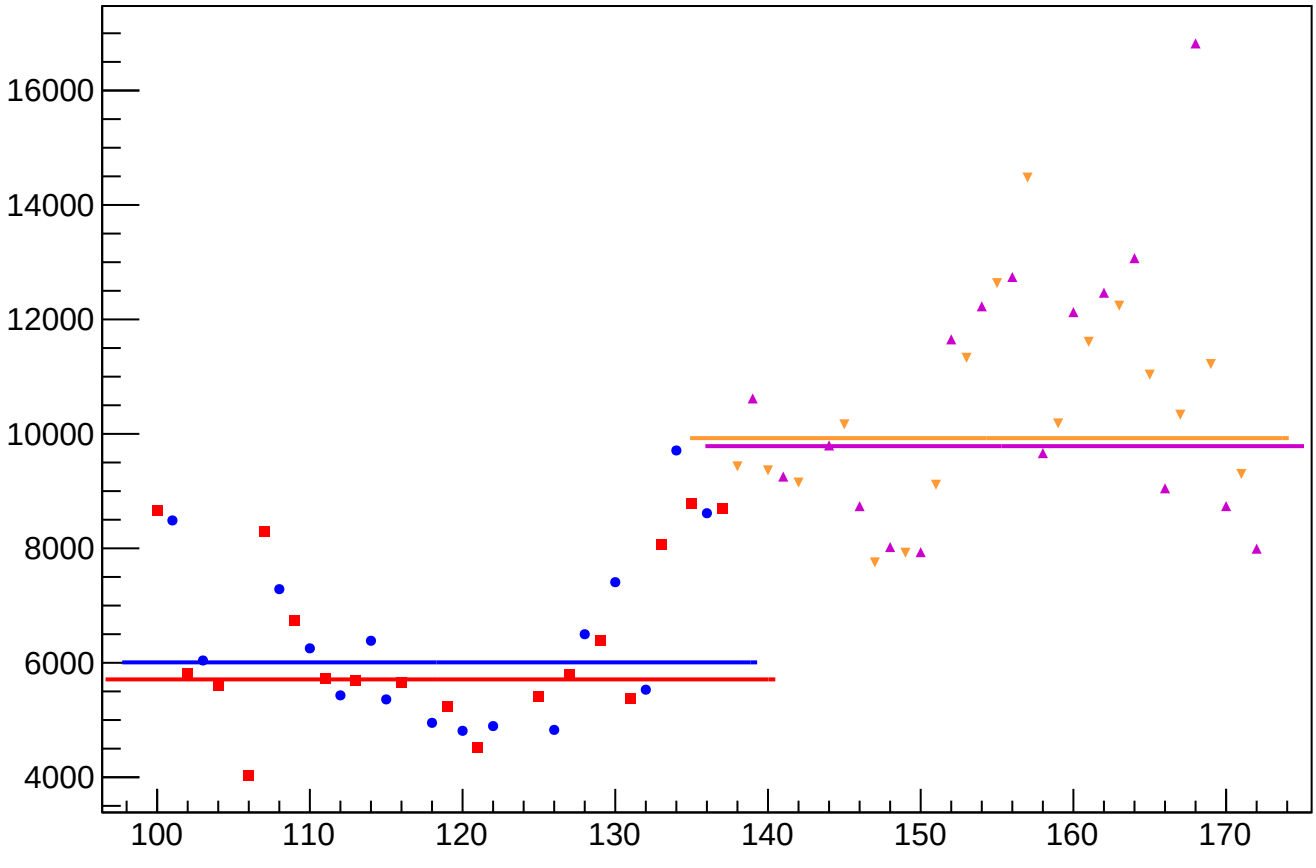
Left: 571.449+/-1920.074 χ^2/NDF: 35.9/33

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: -172.007+/-1740.558 χ^2/NDF:26.0/32

Out: 612.165+/-1697.001 χ^2/NDF:43.9/34

All: 230.014+/-1215.068 χ^2/NDF: 70.0/67



Right In: 6007.405+/-1.623 χ^2/NDF: 654004.9/15

Left Out: 9925.951+/-1.953 χ^2/NDF:665485.1/16

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: 9853.436+/-1.358 χ^2/NDF: 1715105.3/33

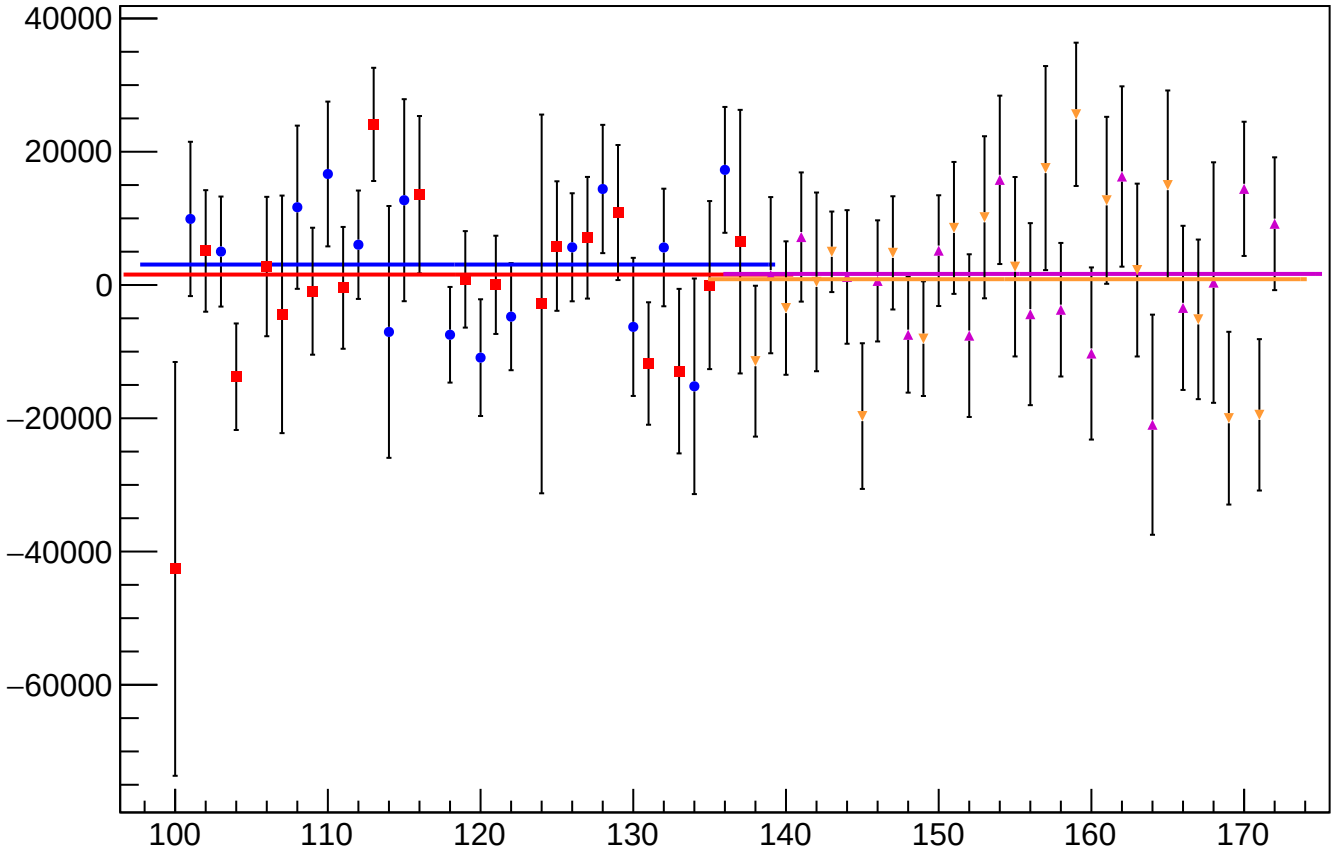
Right: 5849.037+/-1.110 χ^2/NDF: 1207832.6/33

In: 7611.665+/-1.231 χ^2/NDF:4003335.5/32

Out: 7301.517+/-1.200 χ^2/NDF:4102390.4/34

All: 7452.662+/-0.859 χ^2/NDF: 8138281.8/67

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 871.740+/-2501.831 χ^2/NDF:22.3/17

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: 1242.388+/-1824.345 χ^2/NDF: 32.5/34

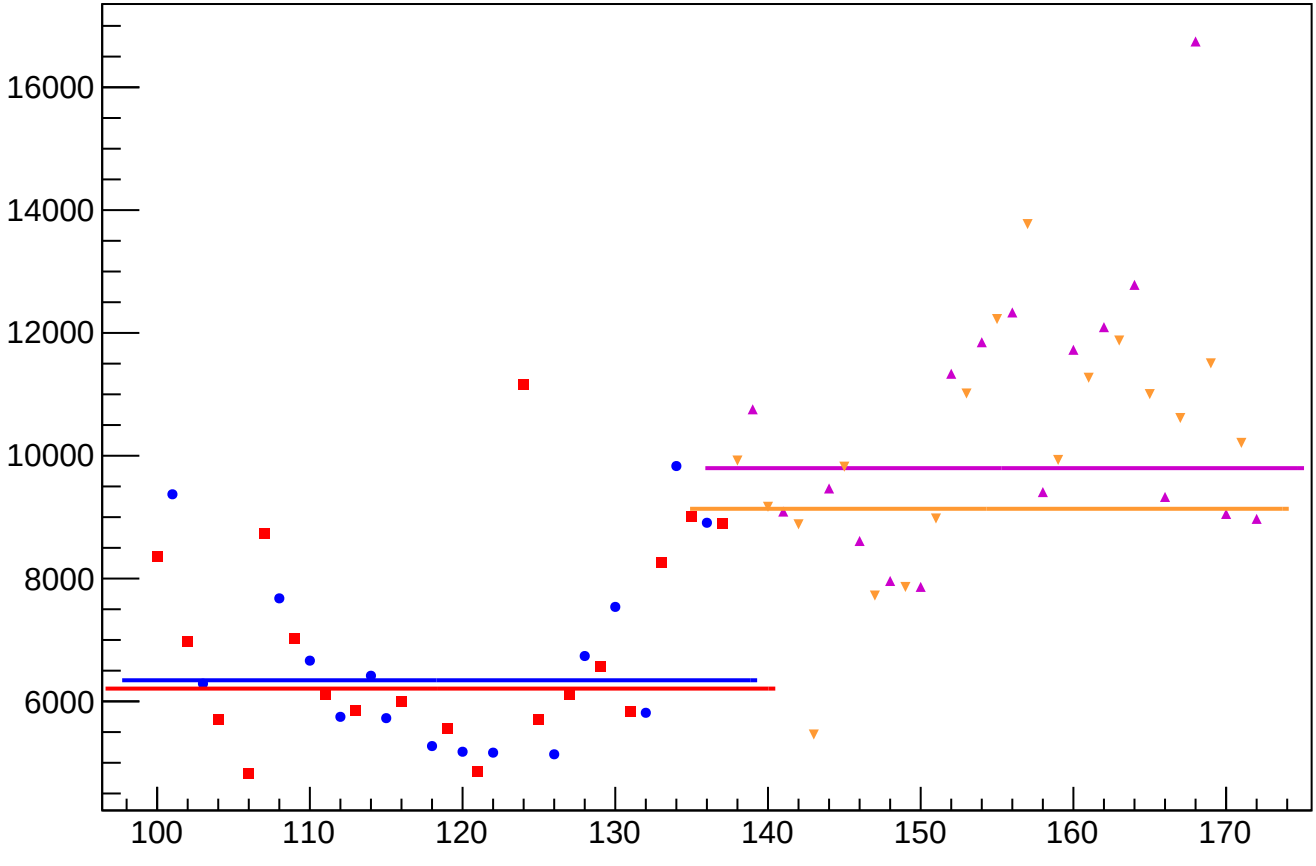
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 2434.479+/-1792.168 χ^2/NDF:25.2/32

Out: 1243.238+/-1707.374 χ^2/NDF:41.5/36

All: 1810.011+/-1236.186 χ^2/NDF: 67.0/69

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 9136.205+/-1.769 χ^2/NDF:1501696.5/17

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9797.880+/-1.885 χ^2/NDF:905630.0/16

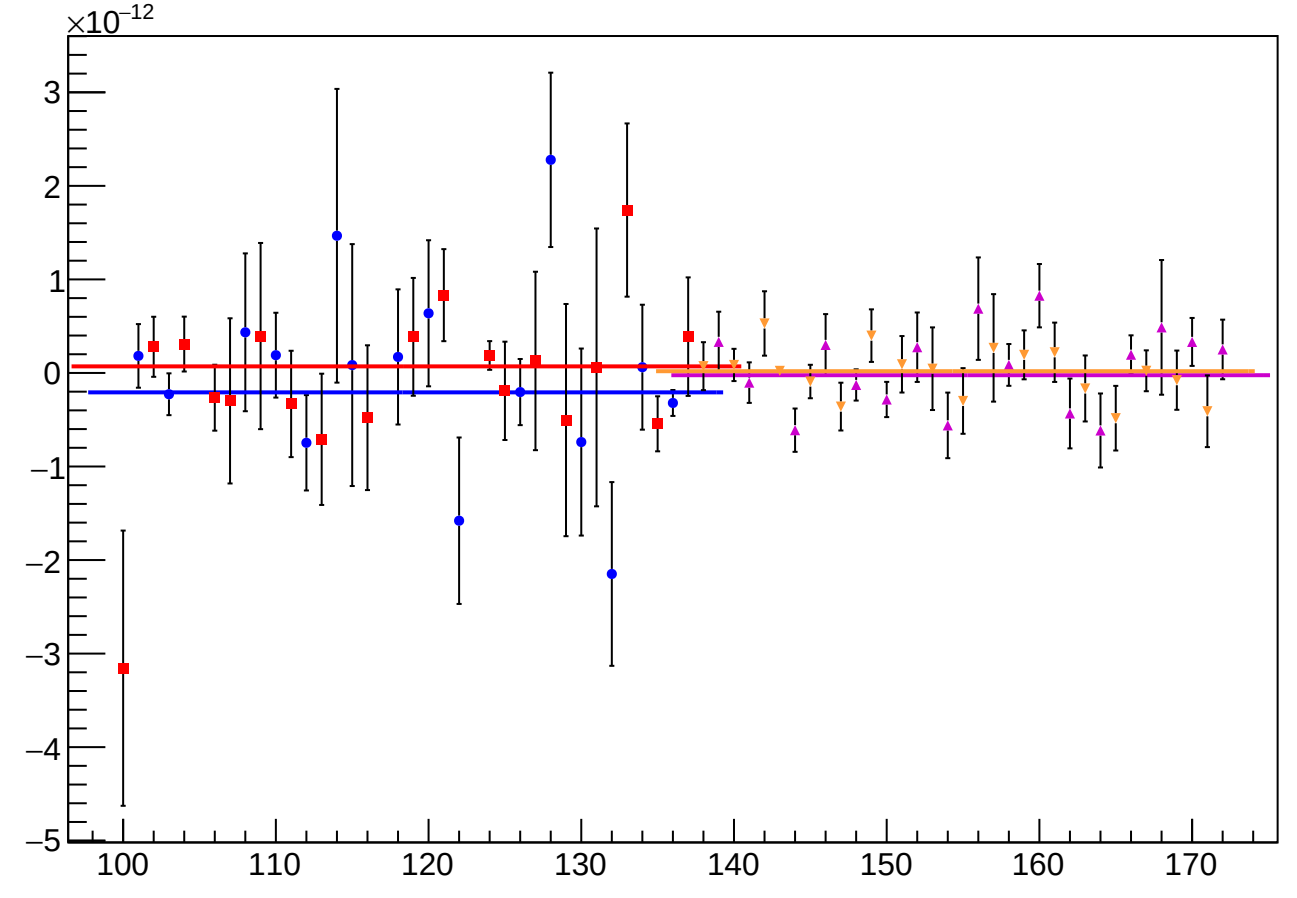
Left: 9446.042+/-1.290 χ^2/NDF: 2472834.3/34

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 7904.659+/-1.267 χ^2/NDF:3366961.6/32

Out: 7571.824+/-1.207 χ^2/NDF:3437207.6/36

All: 7730.181+/-0.874 χ^2/NDF: 6840330.4/69



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: -0.000+/-0.000 χ^2/NDF:30.0/16

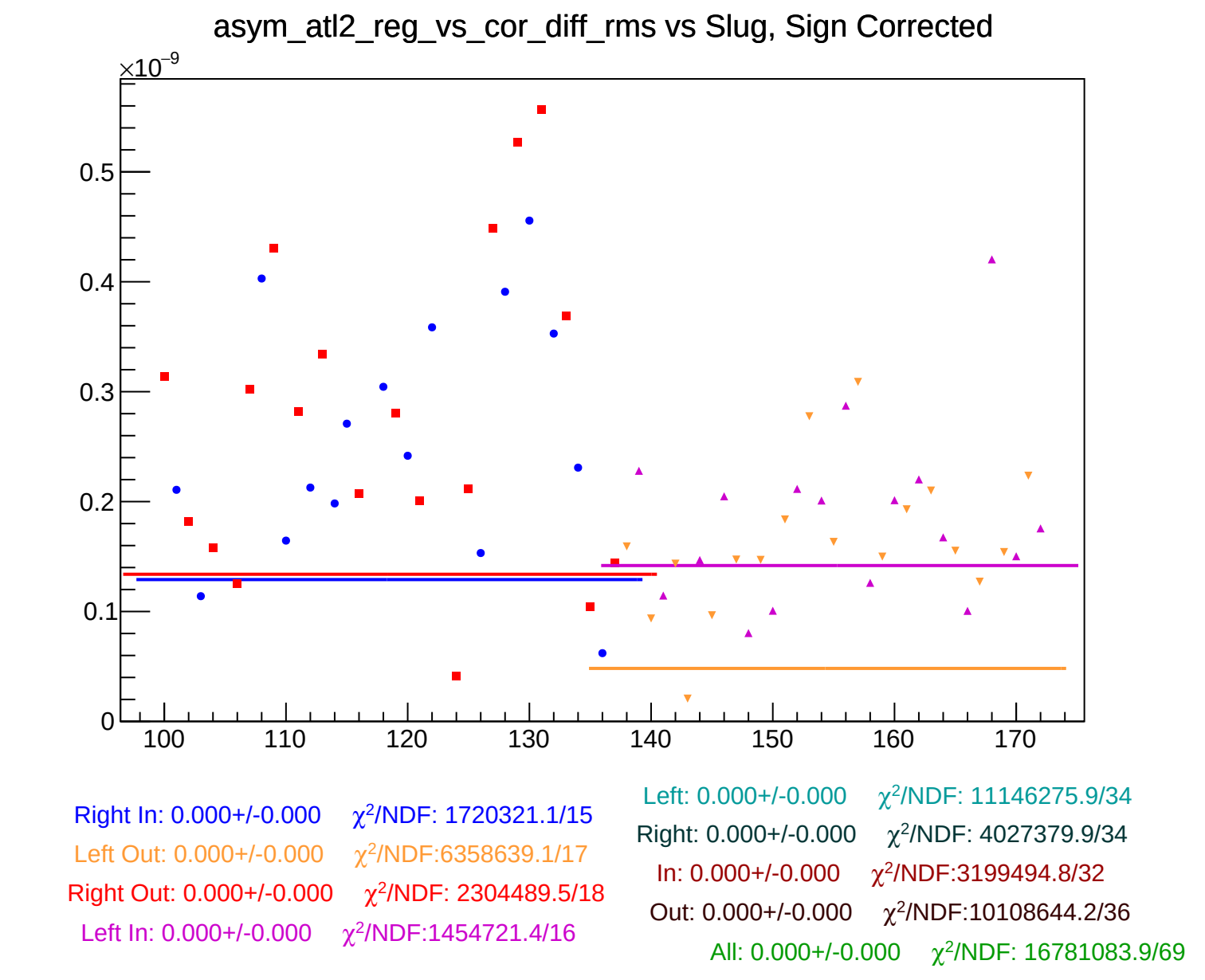
Left: 0.000+/-0.000 χ^2/NDF: 42.8/34

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:33.6/36

All: -0.000+/-0.000 χ^2/NDF: 90.1/69


asym_atl2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
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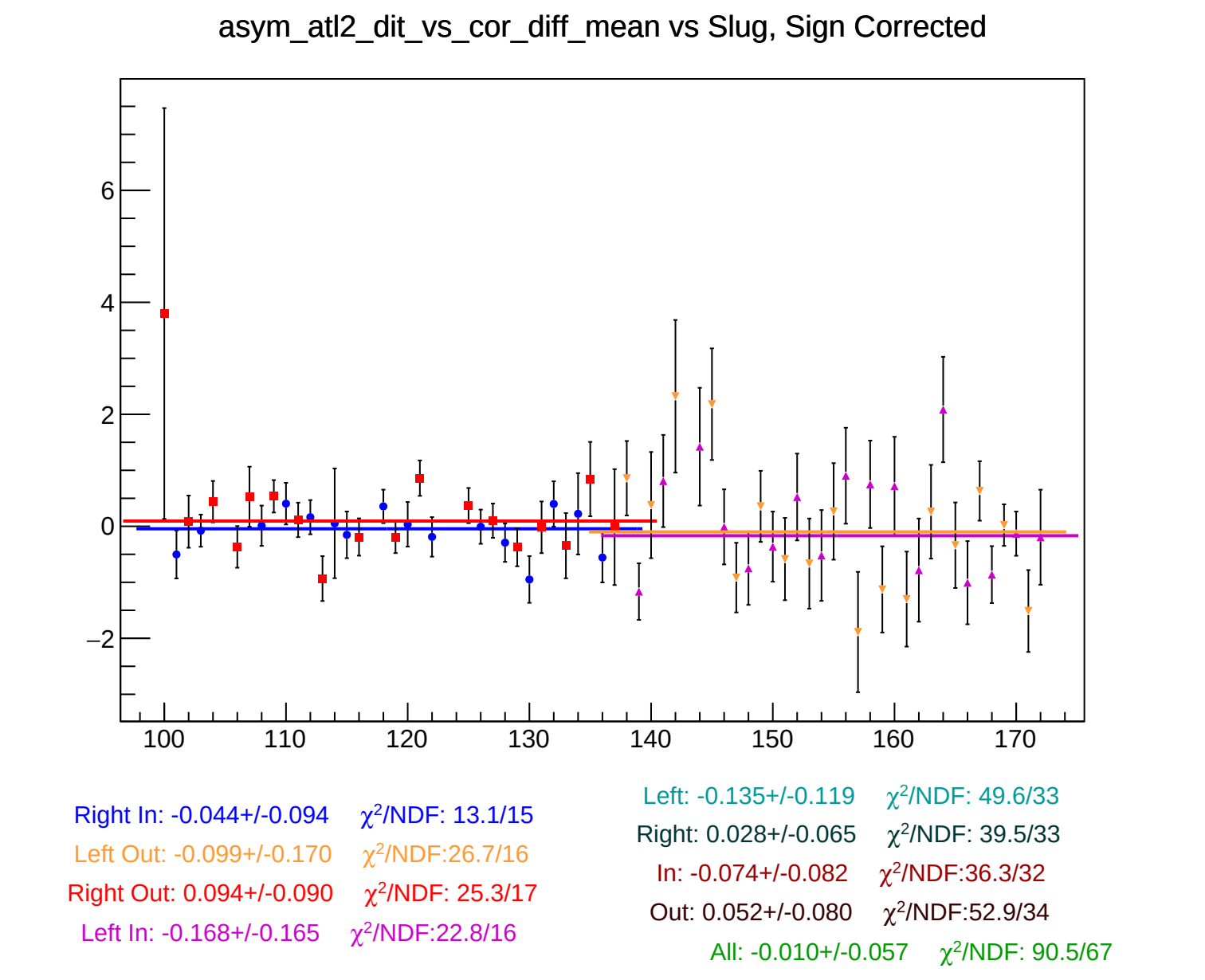
Right In: 0.000+/-0.000 χ²/NDF: 1720321.1/15
Left Out: 0.000+/-0.000 χ²/NDF:6358639.1/17
Right Out: 0.000+/-0.000 χ²/NDF: 2304489.5/18
Left In: 0.000+/-0.000 χ²/NDF:1454721.4/16
Left: 0.000+/-0.000 χ²/NDF: 11146275.9/34
Right: 0.000+/-0.000 χ²/NDF: 4027379.9/34
In: 0.000+/-0.000 χ²/NDF:3199494.8/32
Out: 0.000+/-0.000 χ²/NDF:10108644.2/36
All: 0.000+/-0.000 χ²/NDF: 16781083.9/69


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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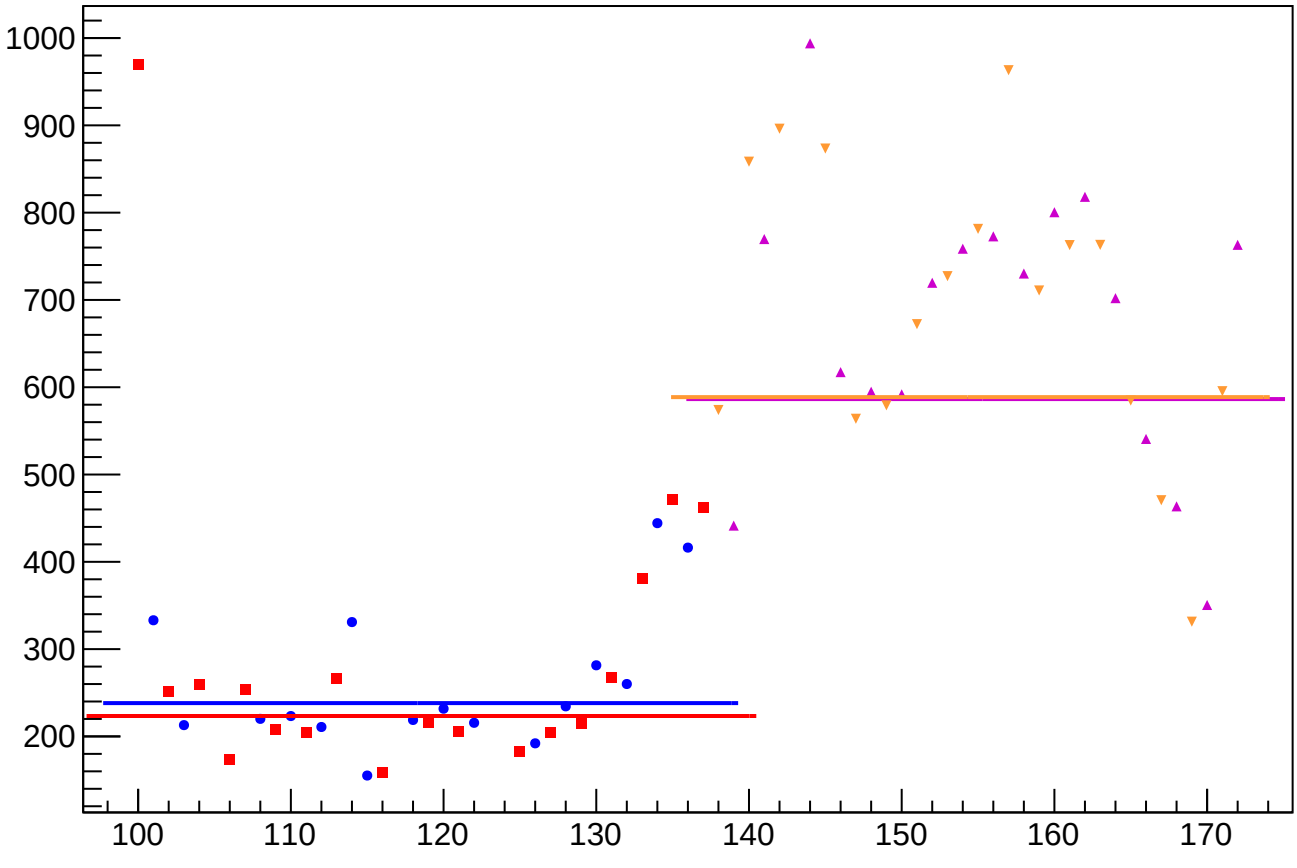
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.099+/-0.170 χ²/NDF:26.7/16
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.168+/-0.165 χ²/NDF:22.8/16
Left: -0.135+/-0.119 χ²/NDF: 49.6/33
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.074+/-0.082 χ²/NDF:36.3/32
Out: 0.052+/-0.080 χ²/NDF:52.9/34
All: -0.010+/-0.057 χ²/NDF: 90.5/67



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 588.668+/-0.120 χ^2/NDF:2140936.0/16

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 586.443+/-0.117 χ^2/NDF:2080129.6/16

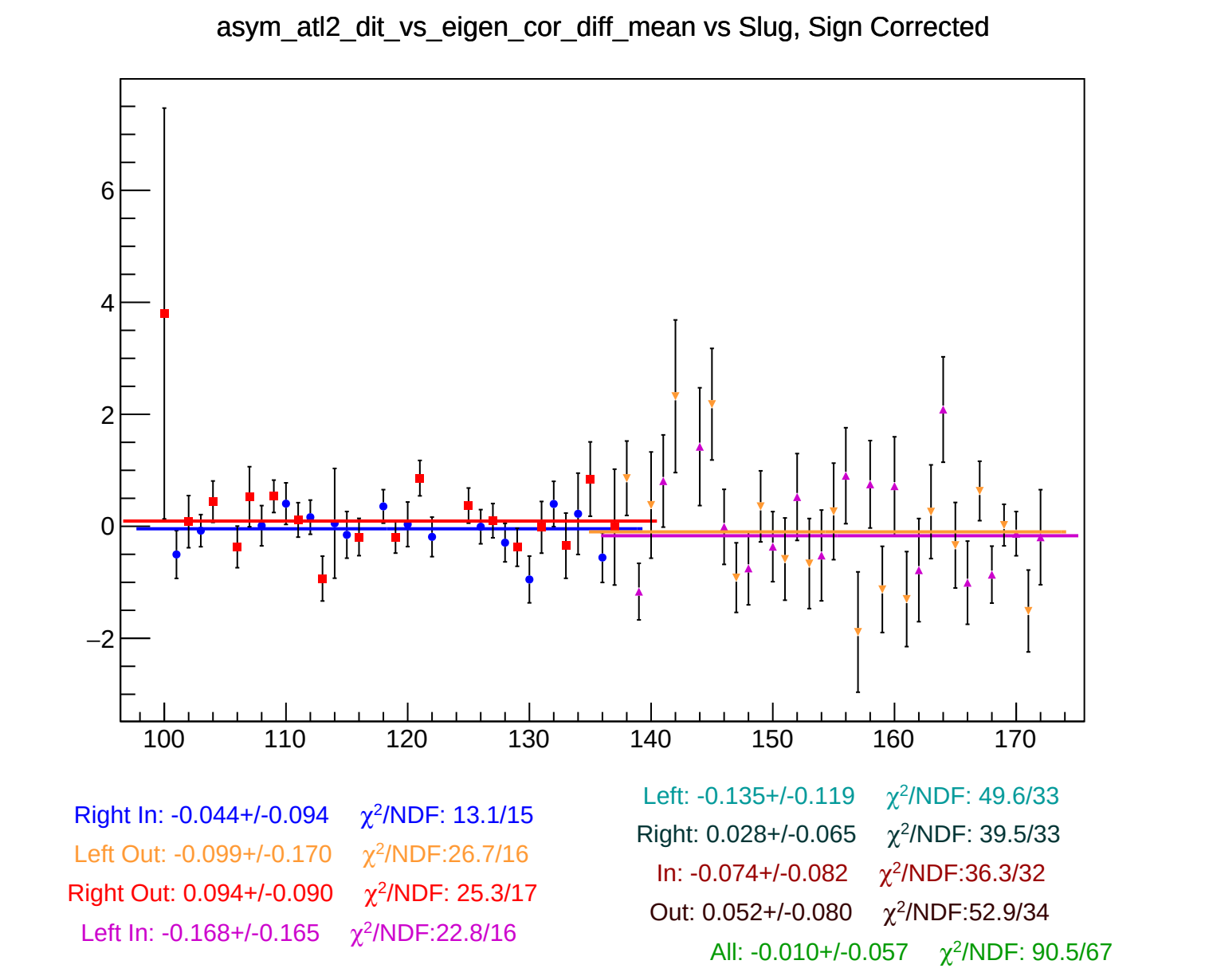
Left: 587.521+/-0.084 χ^2/NDF: 4221241.7/33

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 323.164+/-0.058 χ^2/NDF:9616696.6/32

Out: 303.216+/-0.056 χ^2/NDF:10197745.6/34

All: 312.947+/-0.040 χ^2/NDF: 19875729.2/67


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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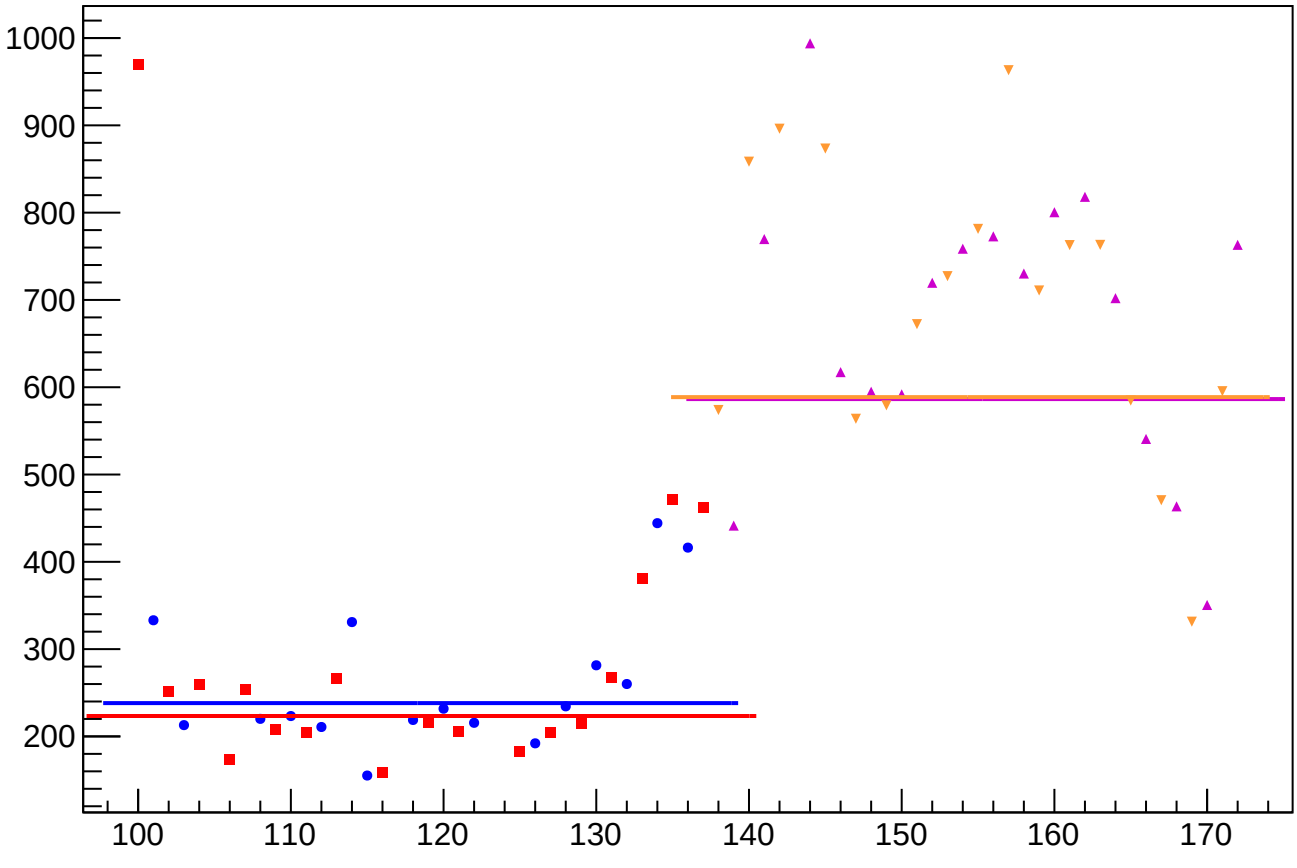
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.099+/-0.170 χ²/NDF:26.7/16
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.168+/-0.165 χ²/NDF:22.8/16
Left: -0.135+/-0.119 χ²/NDF: 49.6/33
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.074+/-0.082 χ²/NDF:36.3/32
Out: 0.052+/-0.080 χ²/NDF:52.9/34
All: -0.010+/-0.057 χ²/NDF: 90.5/67



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 588.668+/-0.120 χ^2/NDF:2140936.0/16

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 586.443+/-0.117 χ^2/NDF:2080129.6/16

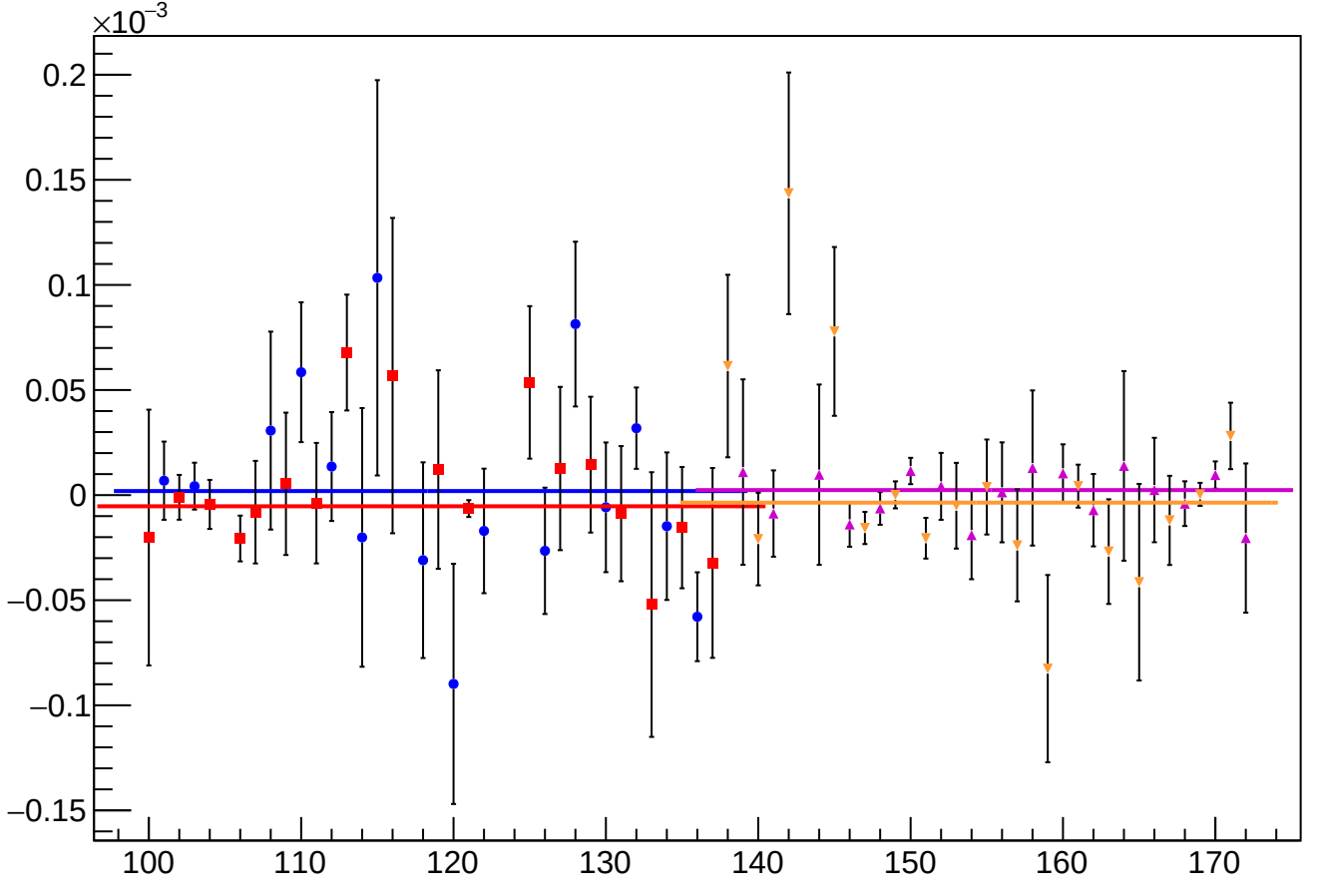
Left: 587.521+/-0.084 χ^2/NDF: 4221241.7/33

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 323.164+/-0.058 χ^2/NDF:9616696.6/32

Out: 303.216+/-0.056 χ^2/NDF:10197745.6/34

All: 312.947+/-0.040 χ^2/NDF: 19875729.2/67



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.1/16

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

Left In: 0.000+/-0.000 χ^2/NDF:9.9/16

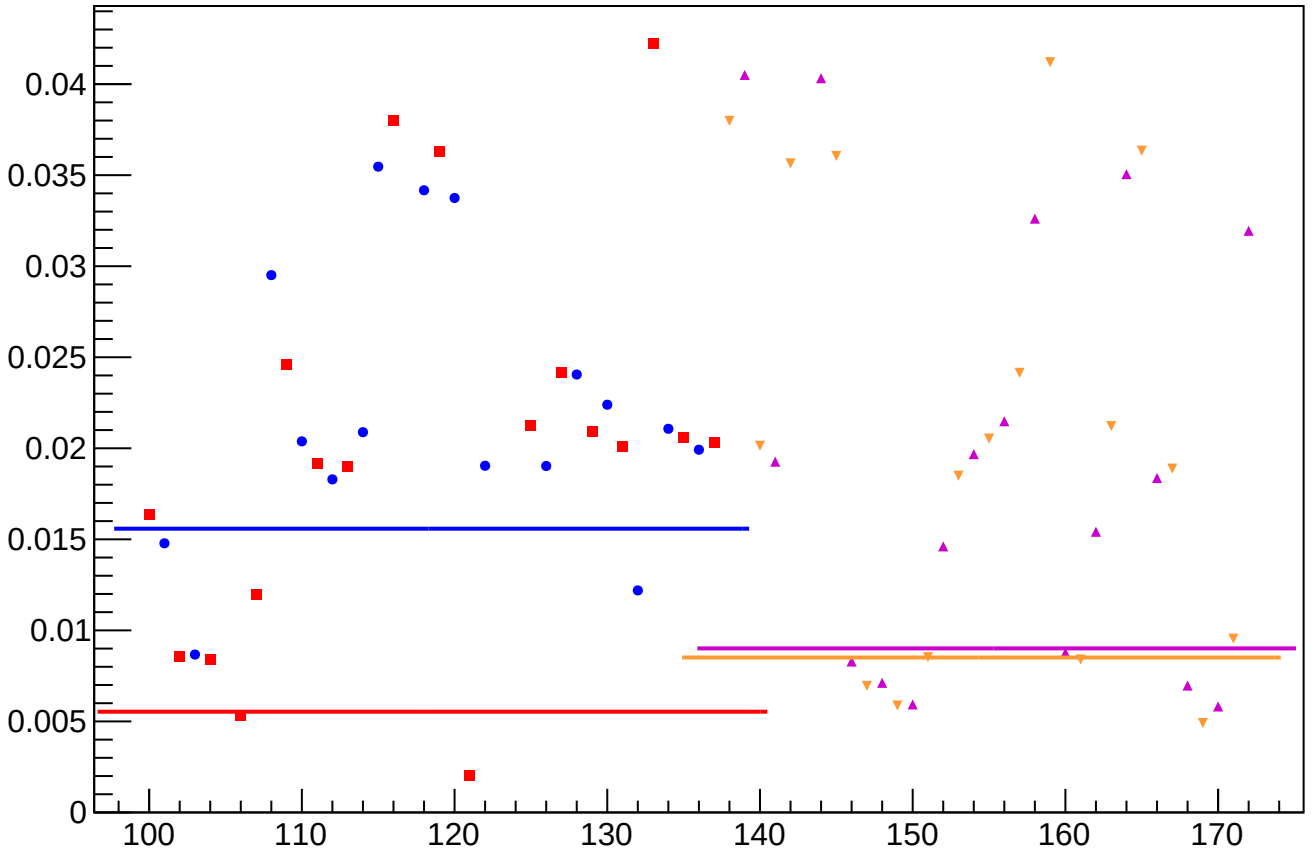
Left: -0.000+/-0.000 χ^2/NDF: 42.0/33

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:44.8/34

All: -0.000+/-0.000 χ^2/NDF: 82.4/67



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:8678971.7/16

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.009+/-0.000 χ^2/NDF:7947046.7/16

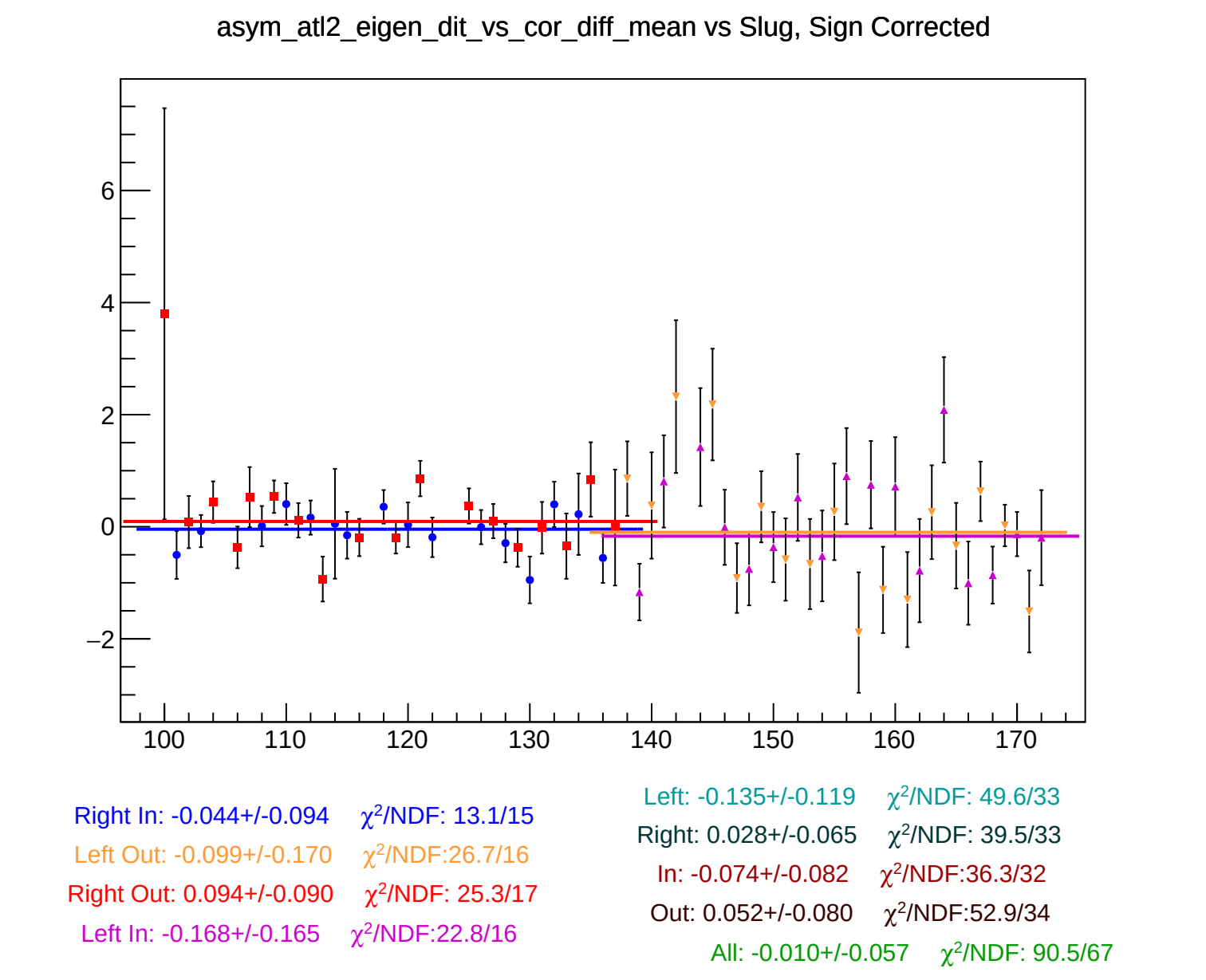
Left: 0.009+/-0.000 χ^2/NDF: 16653627.5/33

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:17561691.6/34

All: 0.008+/-0.000 χ^2/NDF: 30879039.1/67


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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160
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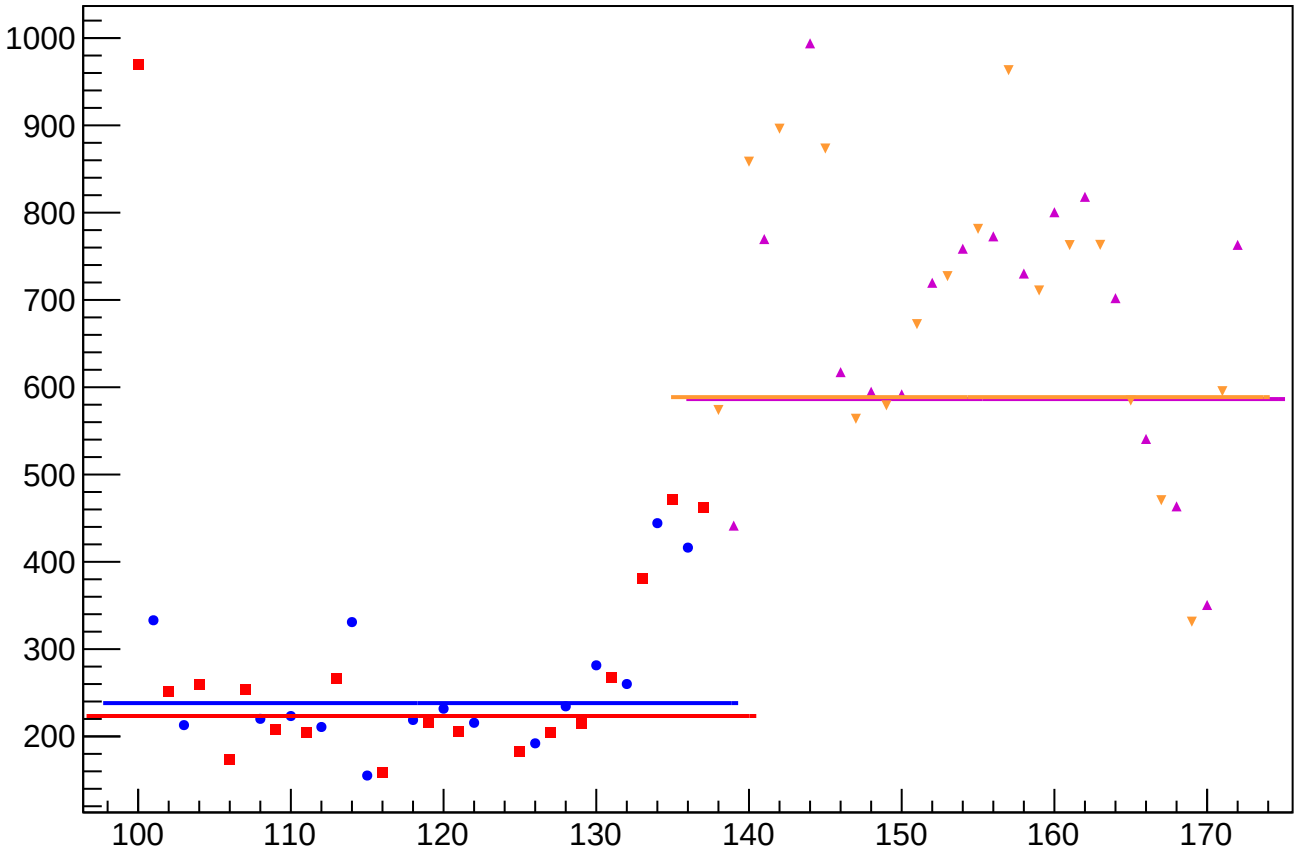
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.099+/-0.170 χ²/NDF:26.7/16
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.168+/-0.165 χ²/NDF:22.8/16
Left: -0.135+/-0.119 χ²/NDF: 49.6/33
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.074+/-0.082 χ²/NDF:36.3/32
Out: 0.052+/-0.080 χ²/NDF:52.9/34
All: -0.010+/-0.057 χ²/NDF: 90.5/67



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 588.673+/-0.120 χ^2/NDF:2141021.5/16

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 586.450+/-0.117 χ^2/NDF:2080121.3/16

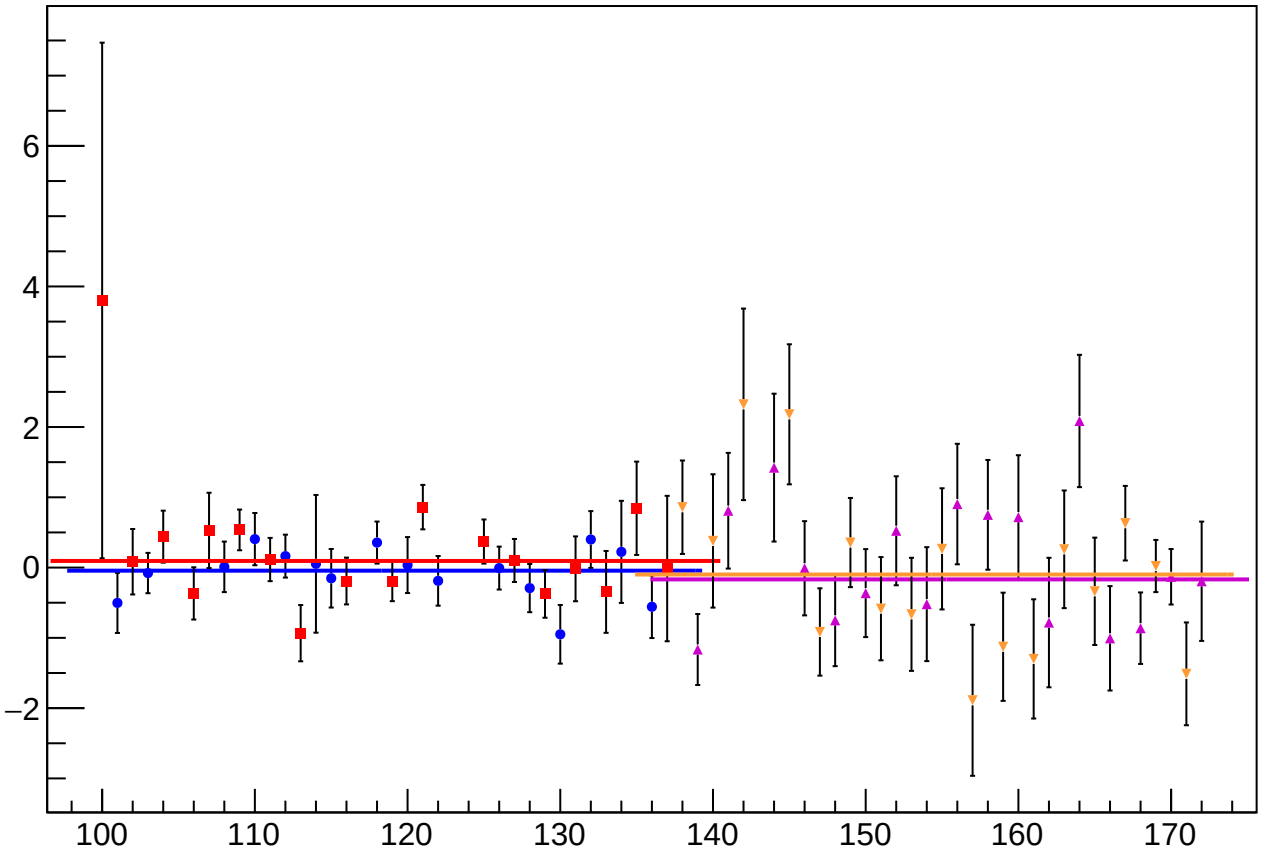
Left: 587.527+/-0.084 χ^2/NDF: 4221318.6/33

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 323.165+/-0.058 χ^2/NDF:9616764.7/32

Out: 303.217+/-0.056 χ^2/NDF:10197785.0/34

All: 312.948+/-0.040 χ^2/NDF: 19875832.4/67



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.099+/-0.170 χ^2/NDF:26.7/16

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: -0.135+/-0.119 χ^2/NDF: 49.6/33

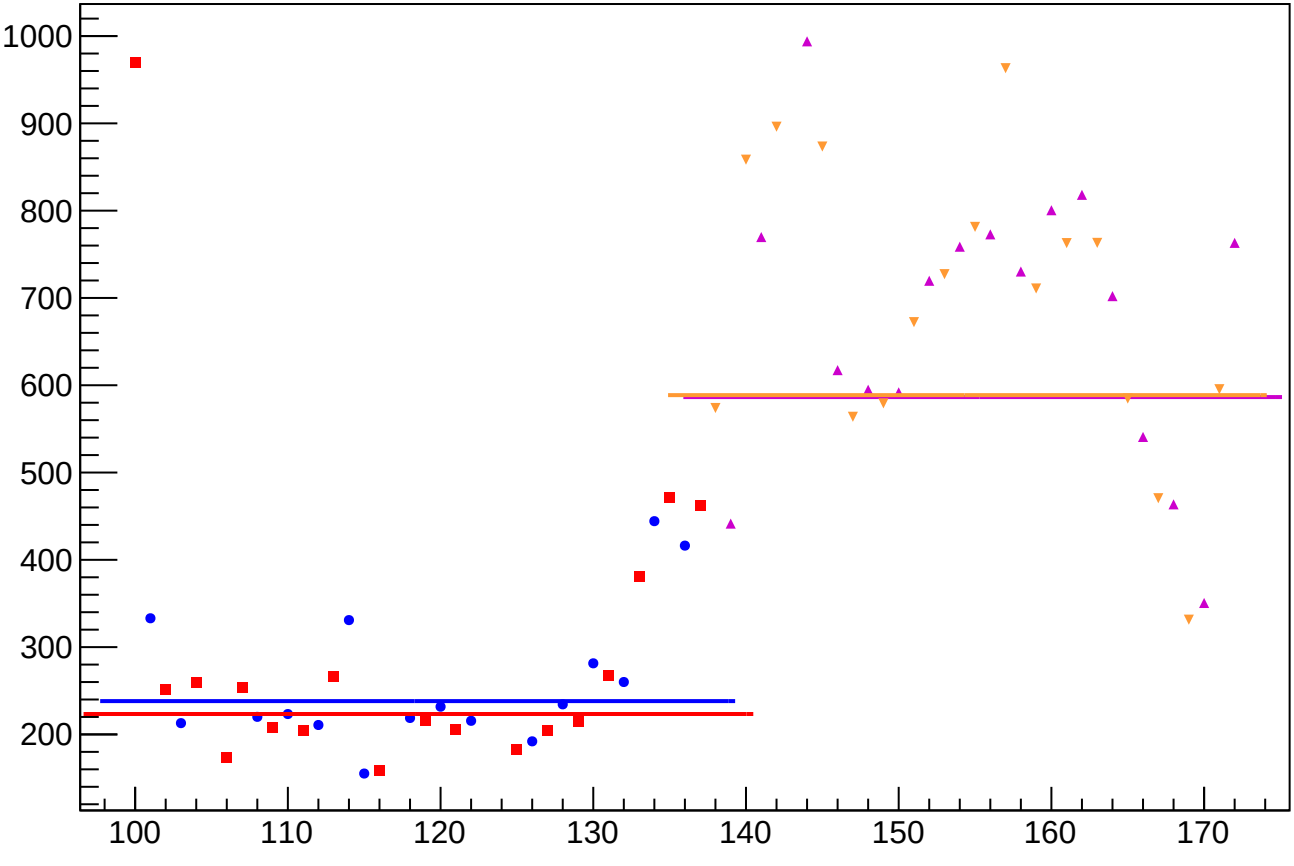
Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.074+/-0.082 χ^2/NDF:36.3/32

Out: 0.052+/-0.080 χ^2/NDF:52.9/34

All: -0.010+/-0.057 χ^2/NDF: 90.5/67

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 588.673+/-0.120 χ^2/NDF:2141021.5/16

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 586.450+/-0.117 χ^2/NDF:2080121.3/16

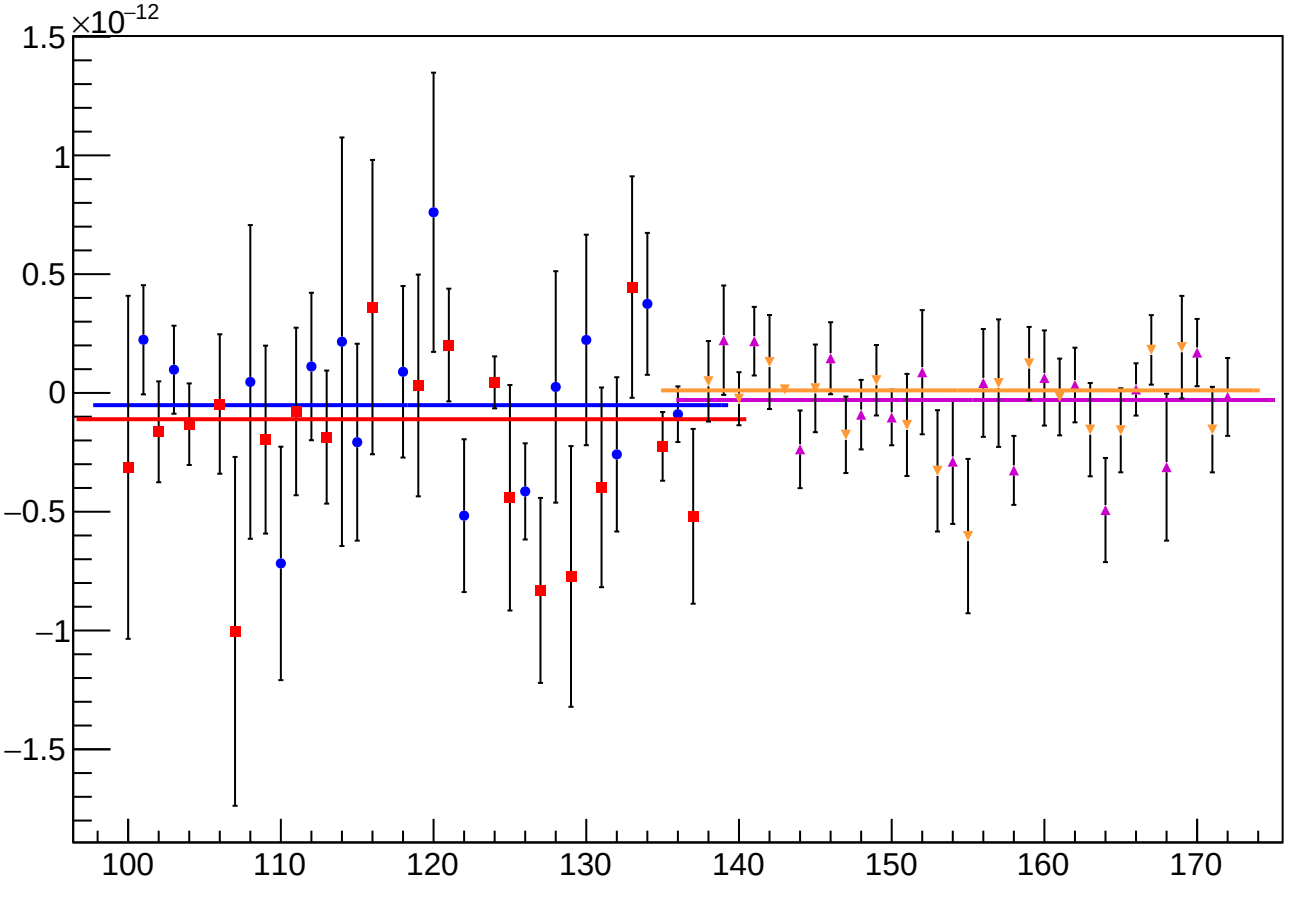
Left: 587.527+/-0.084 χ^2/NDF: 4221318.6/33

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 323.165+/-0.058 χ^2/NDF:9616764.7/32

Out: 303.217+/-0.056 χ^2/NDF:10197785.0/34

All: 312.948+/-0.040 χ^2/NDF: 19875832.4/67



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.9/17

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:20.9/16

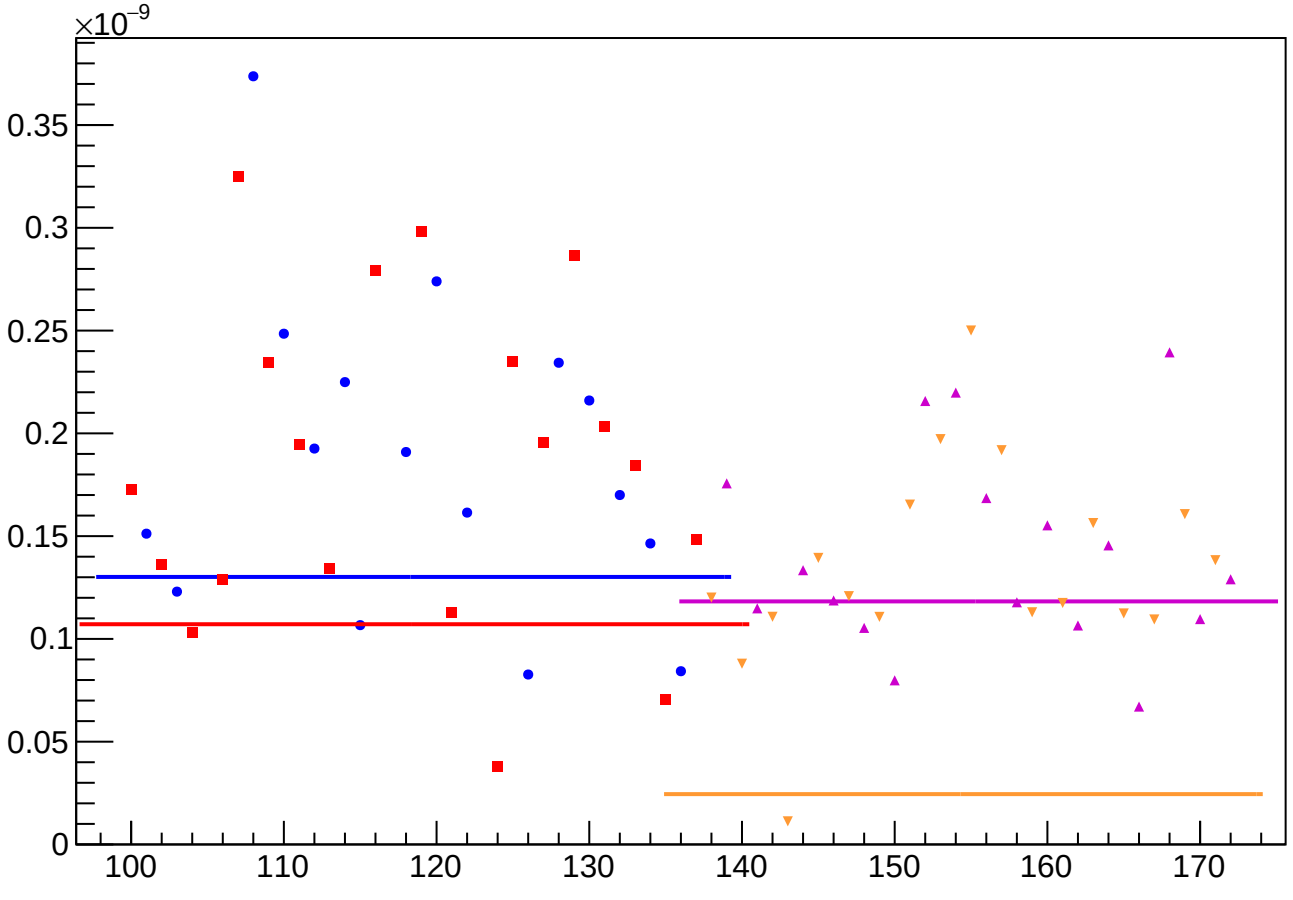
Left: 0.000+/-0.000 χ^2/NDF: 34.7/34

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:32.2/36

All: -0.000+/-0.000 χ^2/NDF: 69.1/69



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:13811035.2/17

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: 25502882.9/34

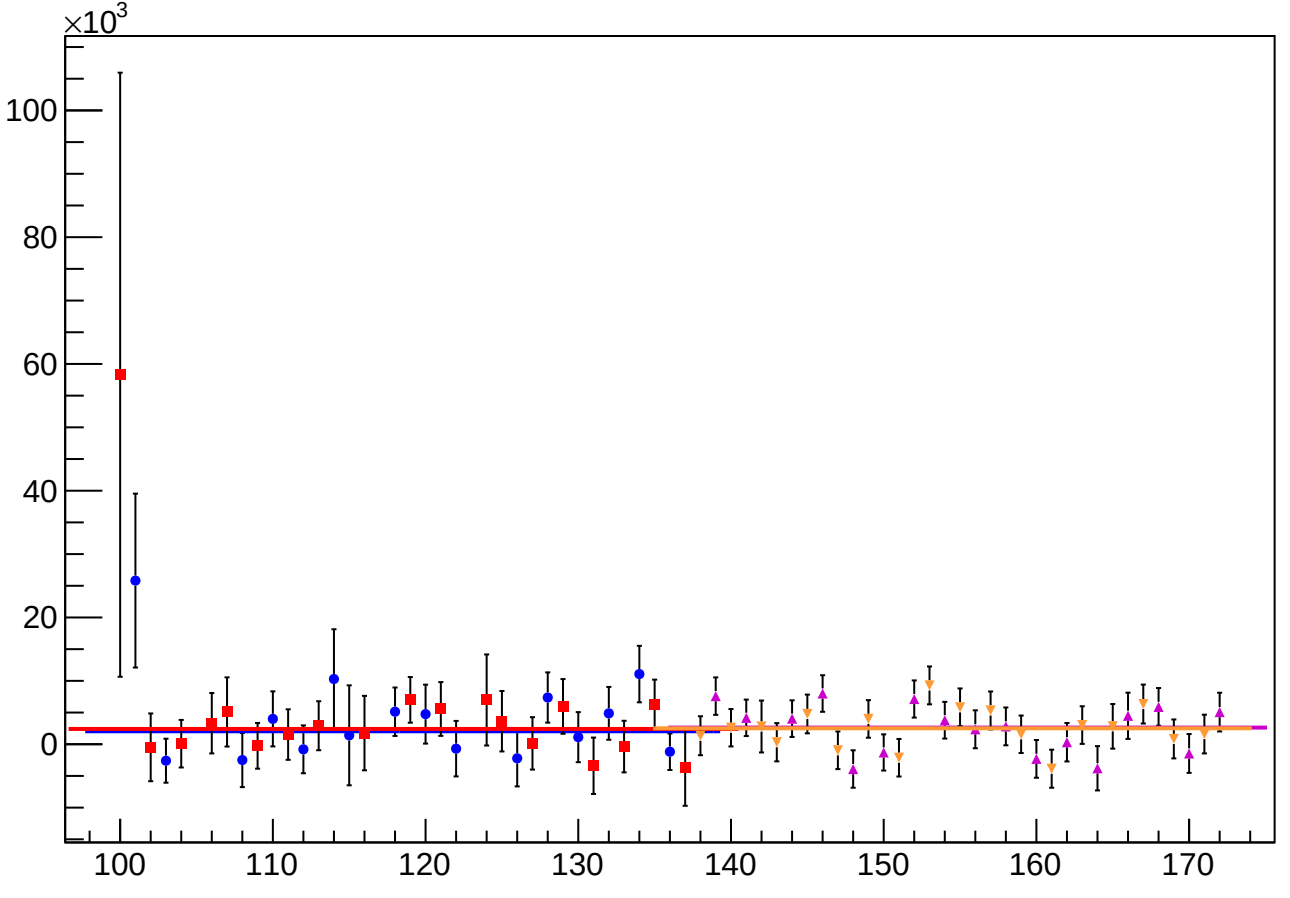
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:3295435.9/32

Out: 0.000+/-0.000 χ^2/NDF:20165725.7/36

All: 0.000+/-0.000 χ^2/NDF: 35802516.8/69

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2511.731+/-722.926 χ^2/NDF:19.1/17

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: 2567.935+/-513.569 χ^2/NDF: 45.9/34

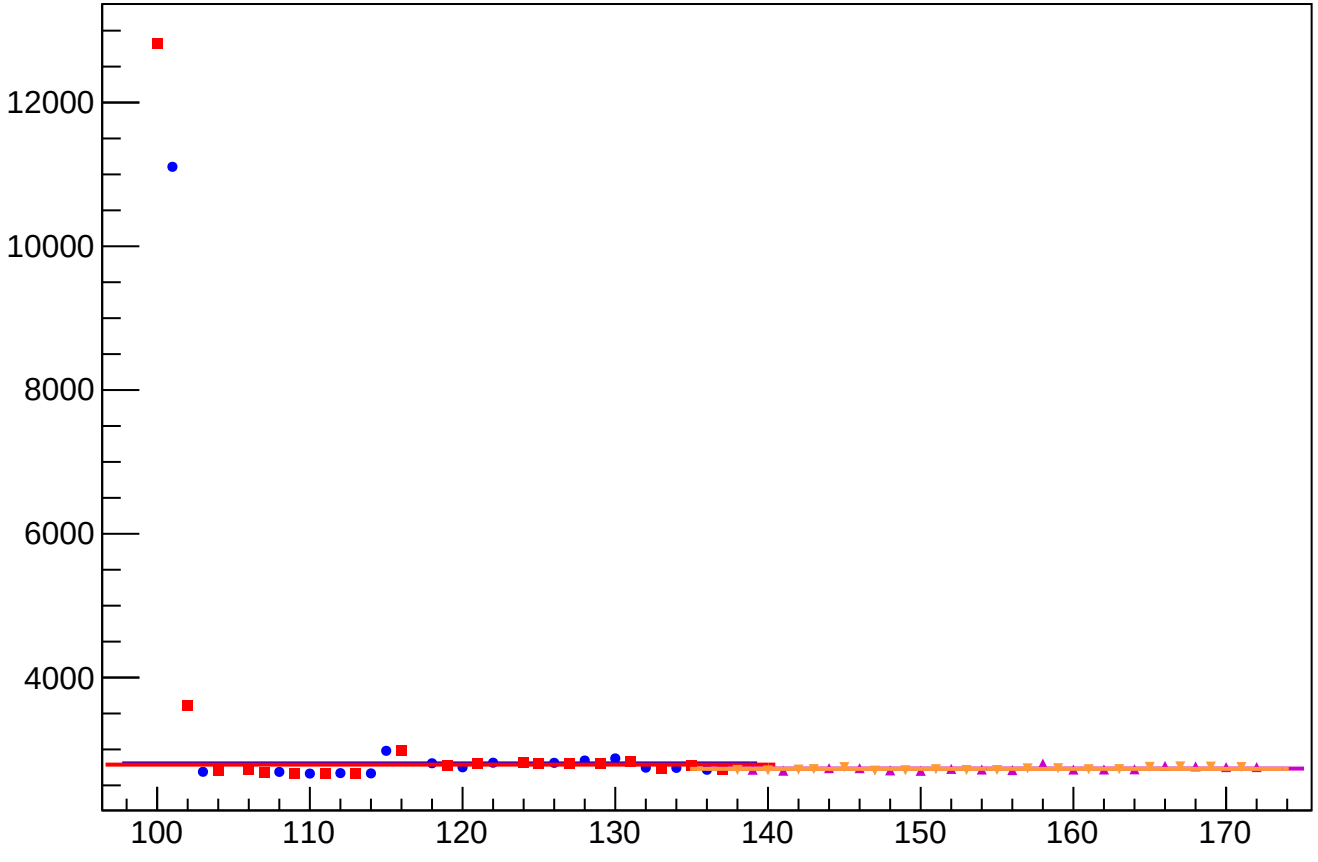
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2442.534+/-602.937 χ^2/NDF:44.7/32

Out: 2479.003+/-592.755 χ^2/NDF:29.9/36

All: 2461.079+/-422.695 χ^2/NDF: 74.7/69

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2729.922+/-0.511 χ^2/NDF:1382.4/17

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2733.675+/-0.516 χ^2/NDF:2604.2/16

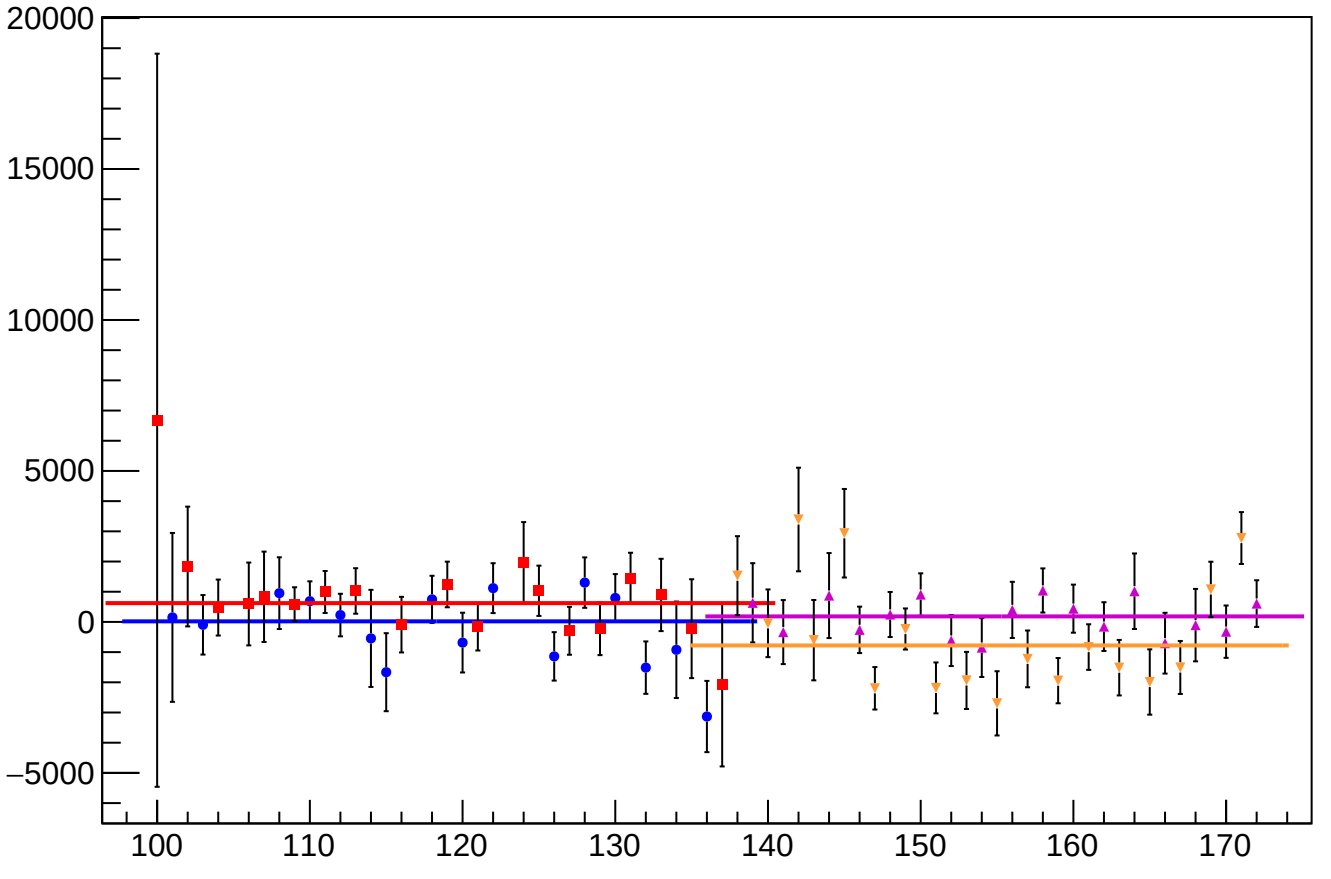
Left: 2731.781+/-0.363 χ^2/NDF: 4013.3/34

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2756.447+/-0.426 χ^2/NDF:754983.5/32

Out: 2749.223+/-0.419 χ^2/NDF:152731.2/36

All: 2752.773+/-0.299 χ^2/NDF: 907860.7/69



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -778.674+/-218.794 χ^2/NDF:54.6/17

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: -292.105+/-153.766 χ^2/NDF: 72.1/34

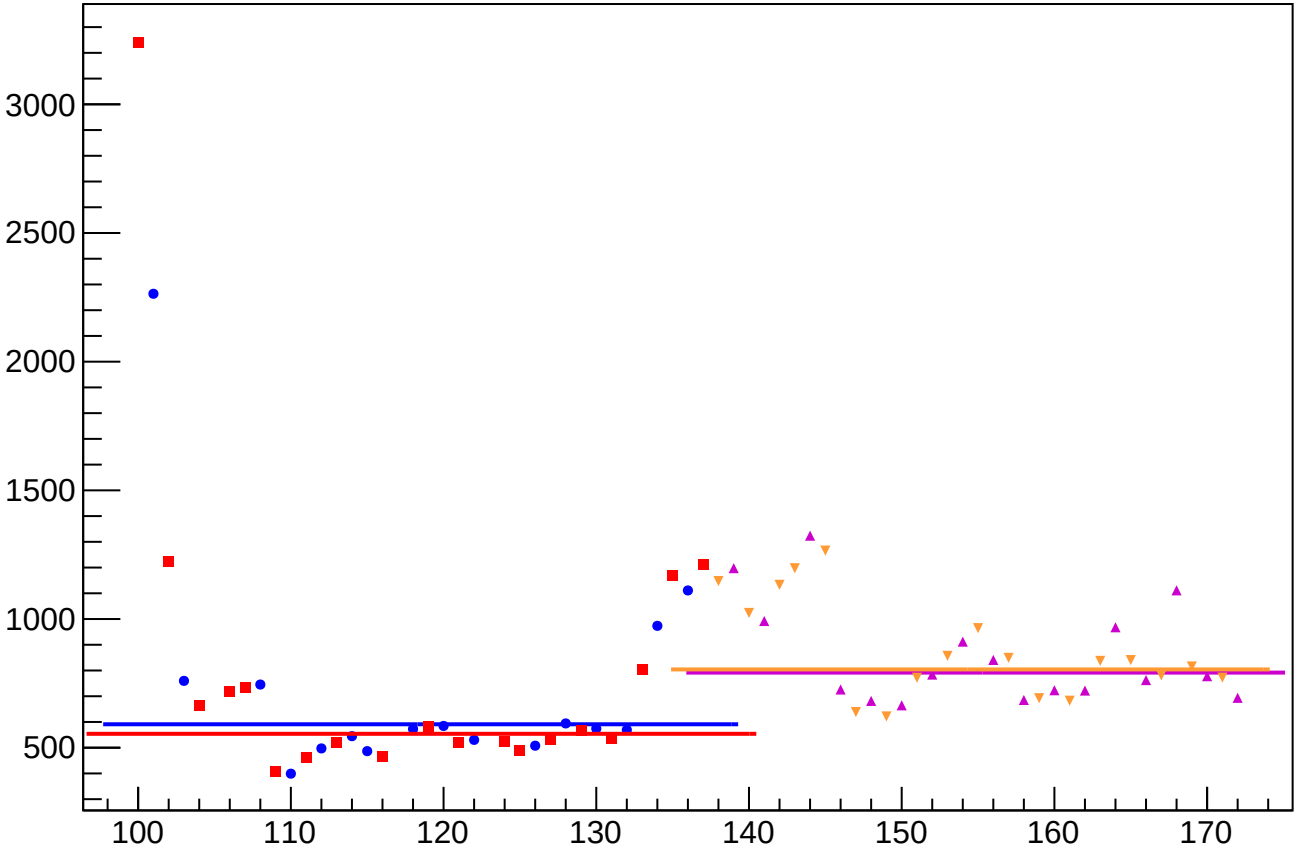
Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 107.176+/-158.614 χ^2/NDF:30.7/32

Out: -68.608+/-153.695 χ^2/NDF:84.7/36

All: 16.516+/-110.377 χ^2/NDF: 116.0/69

asym_atr1_reg_correction_rms vs Slug, Sign Corrected



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 804.135+/-0.155 χ^2/NDF:1080480.4/17

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: 797.894+/-0.109 χ^2/NDF: 2080047.5/34

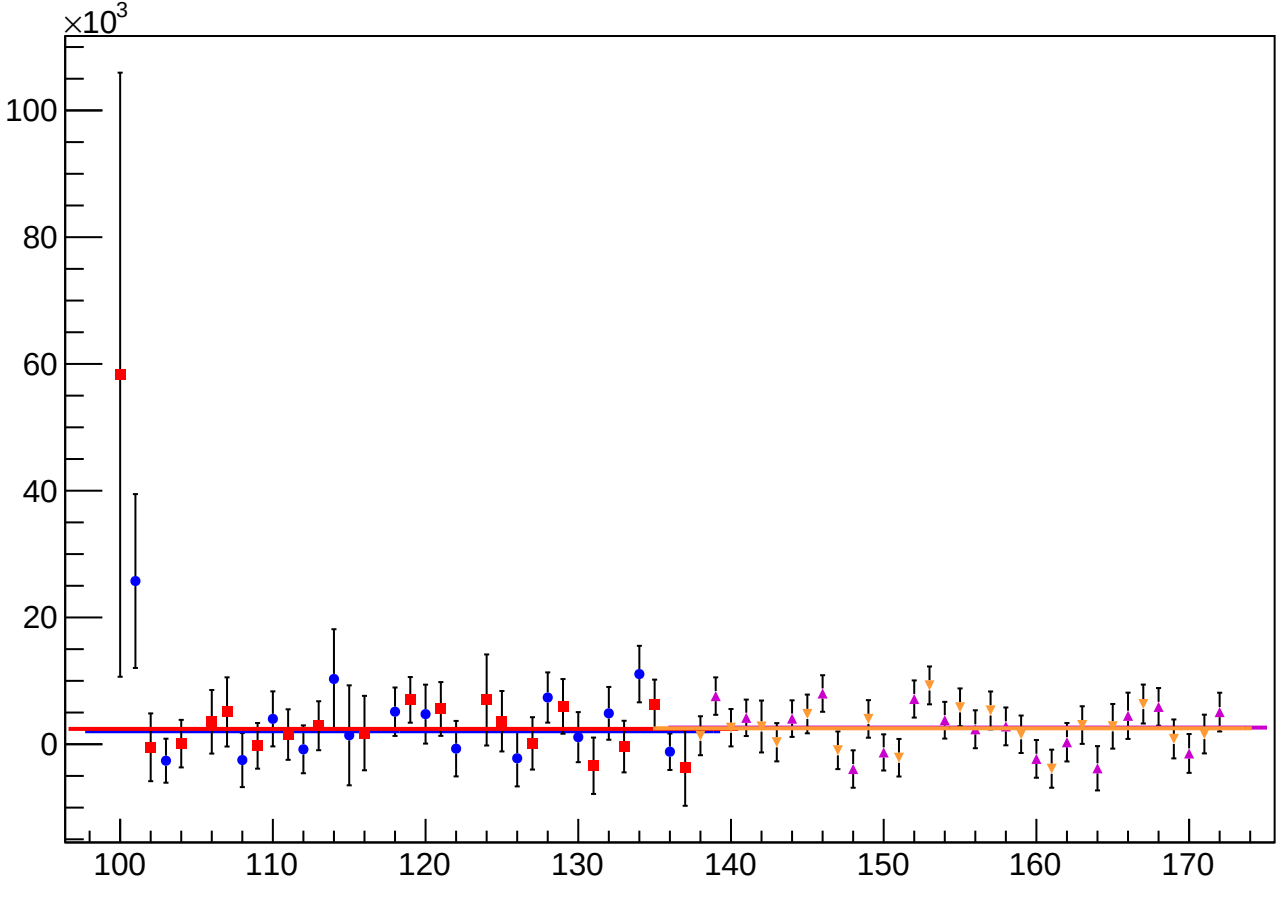
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 699.151+/-0.112 χ^2/NDF:3360295.4/32

Out: 677.421+/-0.109 χ^2/NDF:3521707.5/36

All: 687.944+/-0.078 χ^2/NDF: 6901363.1/69

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2511.725+/-722.926 χ^2/NDF:19.1/17

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: 2567.969+/-513.569 χ^2/NDF: 45.9/34

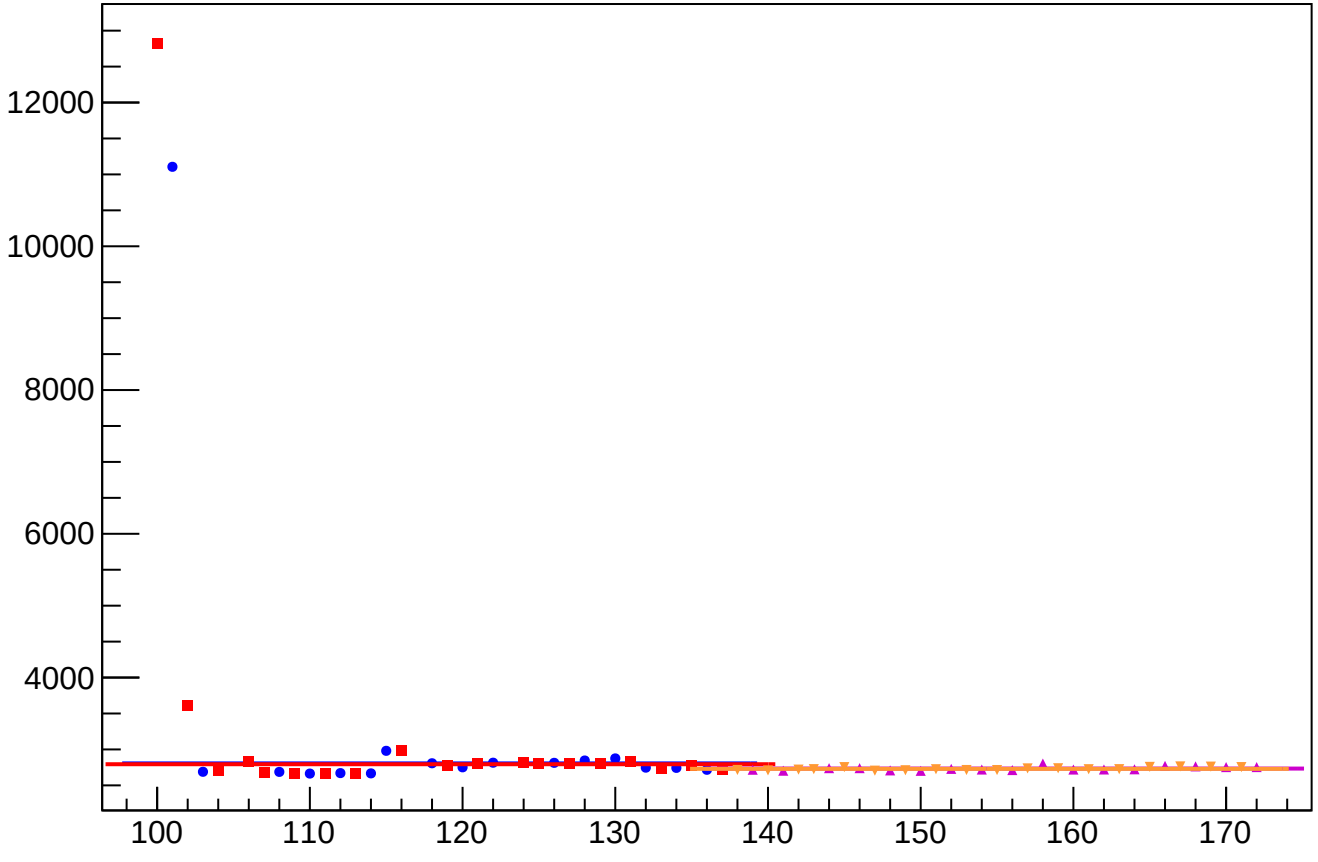
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2442.329+/-602.937 χ^2/NDF:44.7/32

Out: 2481.077+/-593.202 χ^2/NDF:29.9/36

All: 2462.018+/-422.857 χ^2/NDF: 74.6/69

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2729.922+/-0.511 χ^2/NDF:1382.4/17

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2733.675+/-0.516 χ^2/NDF:2604.2/16

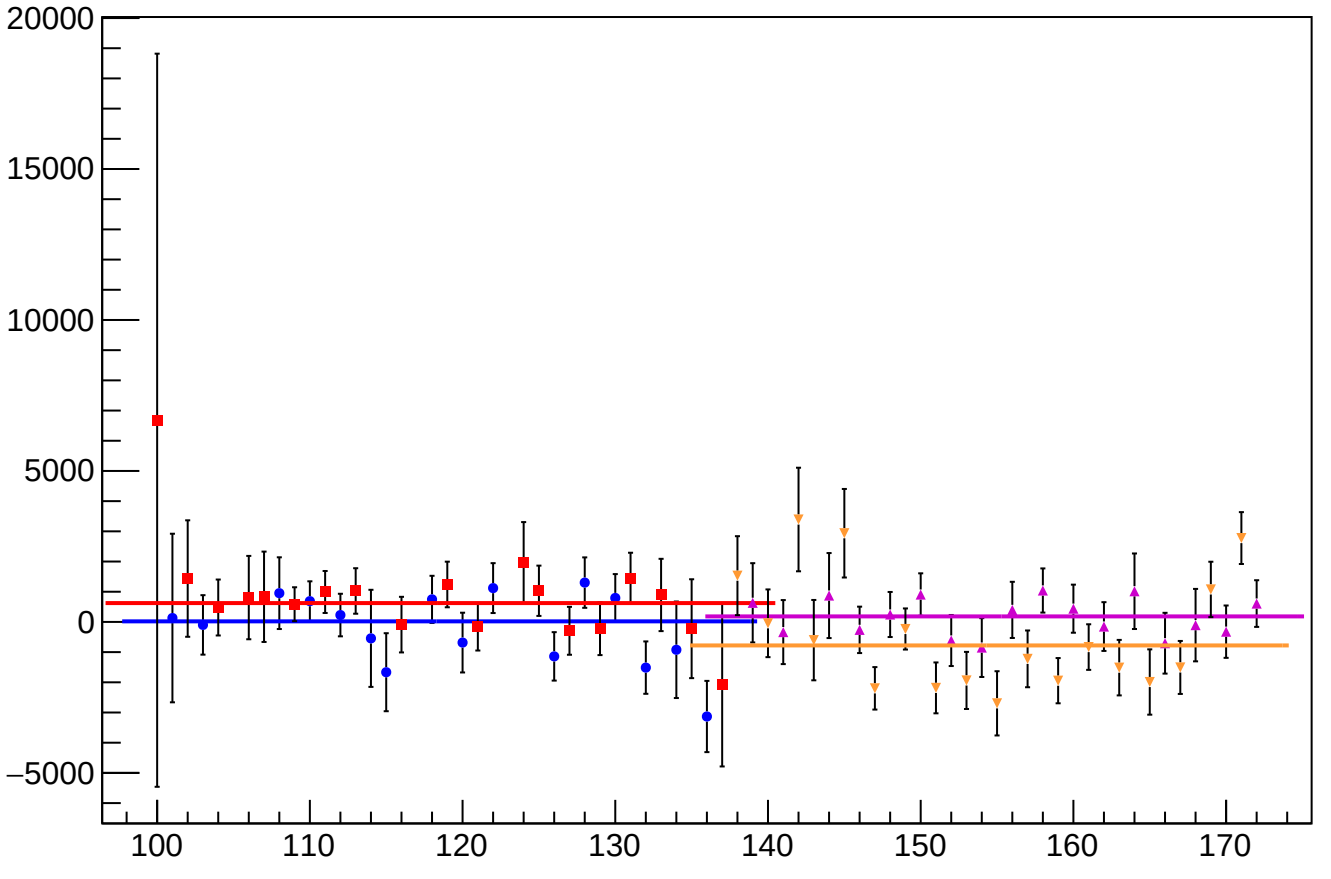
Left: 2731.781+/-0.363 χ^2/NDF: 4013.3/34

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2756.447+/-0.426 χ^2/NDF:754982.6/32

Out: 2750.906+/-0.419 χ^2/NDF:153285.2/36

All: 2753.632+/-0.299 χ^2/NDF: 908353.6/69



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -778.604+/-218.792 χ^2/NDF:54.6/17

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: -292.018+/-153.766 χ^2/NDF: 72.0/34

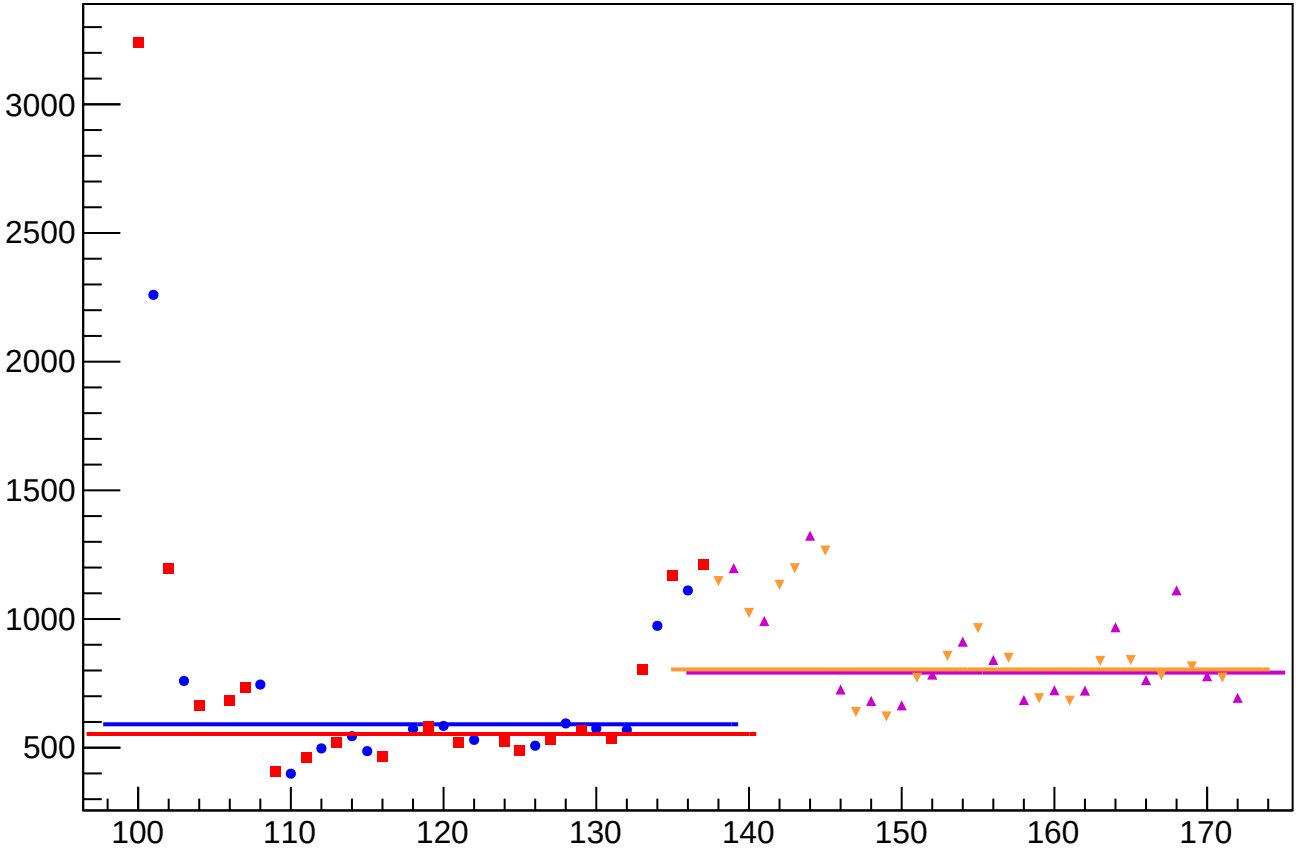
Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 107.214+/-158.610 χ^2/NDF:30.7/32

Out: -67.865+/-153.677 χ^2/NDF:84.6/36

All: 16.910+/-110.369 χ^2/NDF: 115.9/69

asym_atr1_cor_correction_rms vs Slug, Sign Corrected



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 804.128+/-0.155 χ^2/NDF:1080502.5/17

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 791.805+/-0.153 χ^2/NDF:996284.0/16

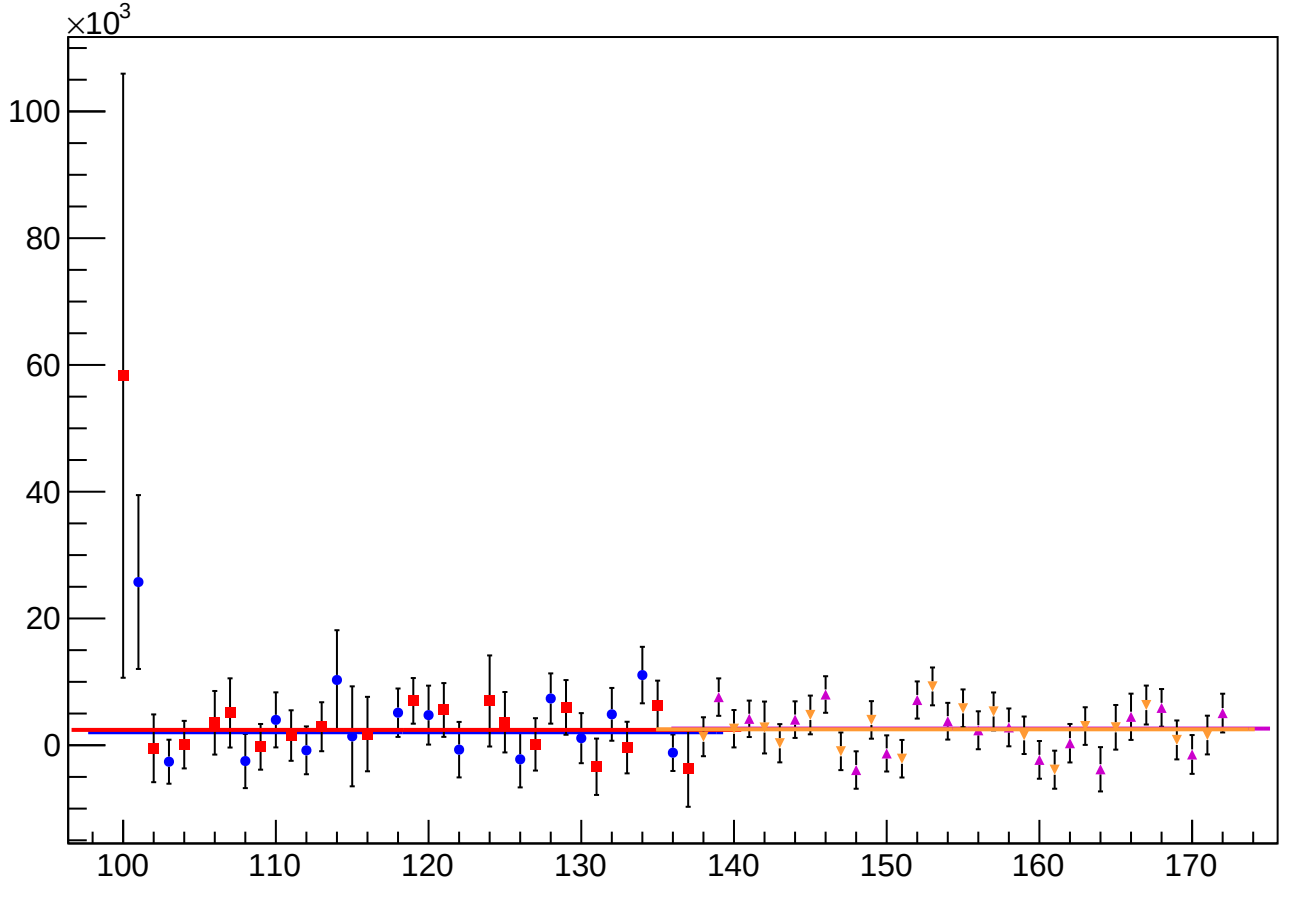
Left: 797.892+/-0.109 χ^2/NDF: 2079997.1/34

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 699.147+/-0.112 χ^2/NDF:3359275.3/32

Out: 677.012+/-0.109 χ^2/NDF:3514625.0/36

All: 687.730+/-0.078 χ^2/NDF: 6893990.4/69



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2511.725+/-722.926 χ^2/NDF:19.1/17

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: 2567.969+/-513.569 χ^2/NDF: 45.9/34

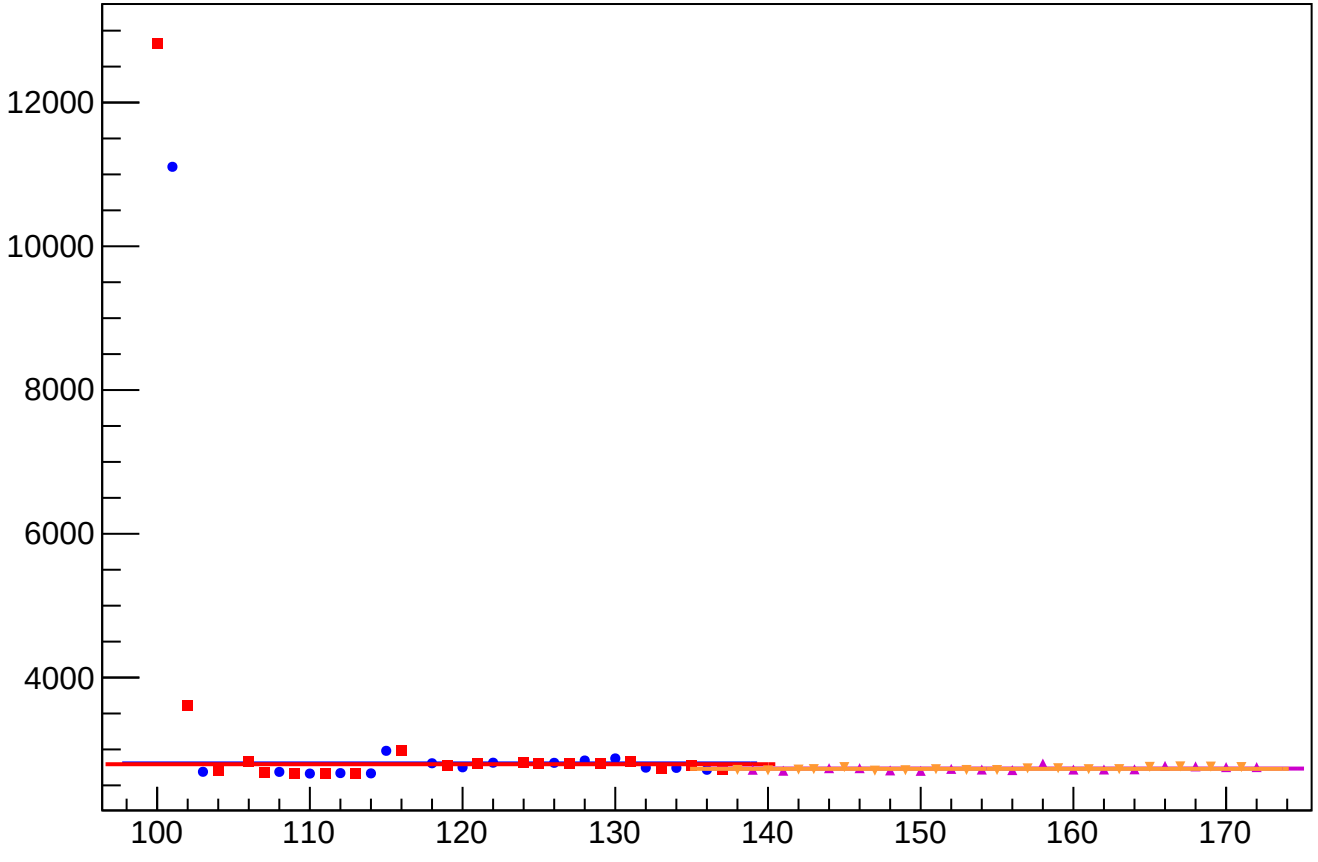
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2442.329+/-602.937 χ^2/NDF:44.7/32

Out: 2481.077+/-593.202 χ^2/NDF:29.9/36

All: 2462.018+/-422.857 χ^2/NDF: 74.6/69

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2729.922+/-0.511 χ^2/NDF:1382.4/17

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2733.675+/-0.516 χ^2/NDF:2604.2/16

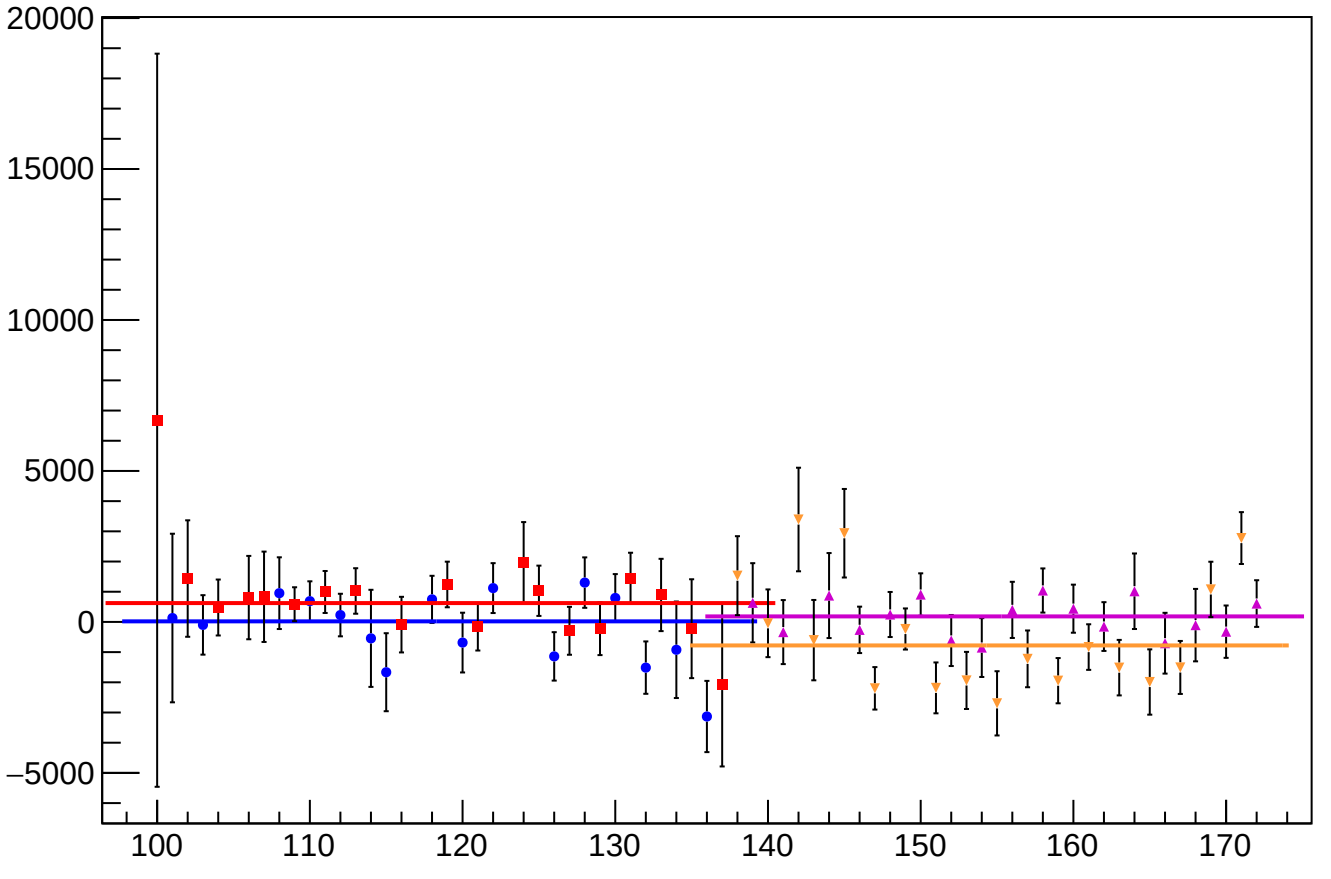
Left: 2731.781+/-0.363 χ^2/NDF: 4013.3/34

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2756.447+/-0.426 χ^2/NDF:754982.6/32

Out: 2750.906+/-0.419 χ^2/NDF:153285.2/36

All: 2753.632+/-0.299 χ^2/NDF: 908353.6/69



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -778.604+/-218.792 χ^2/NDF:54.6/17

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 182.873+/-216.147 χ^2/NDF:7.6/16

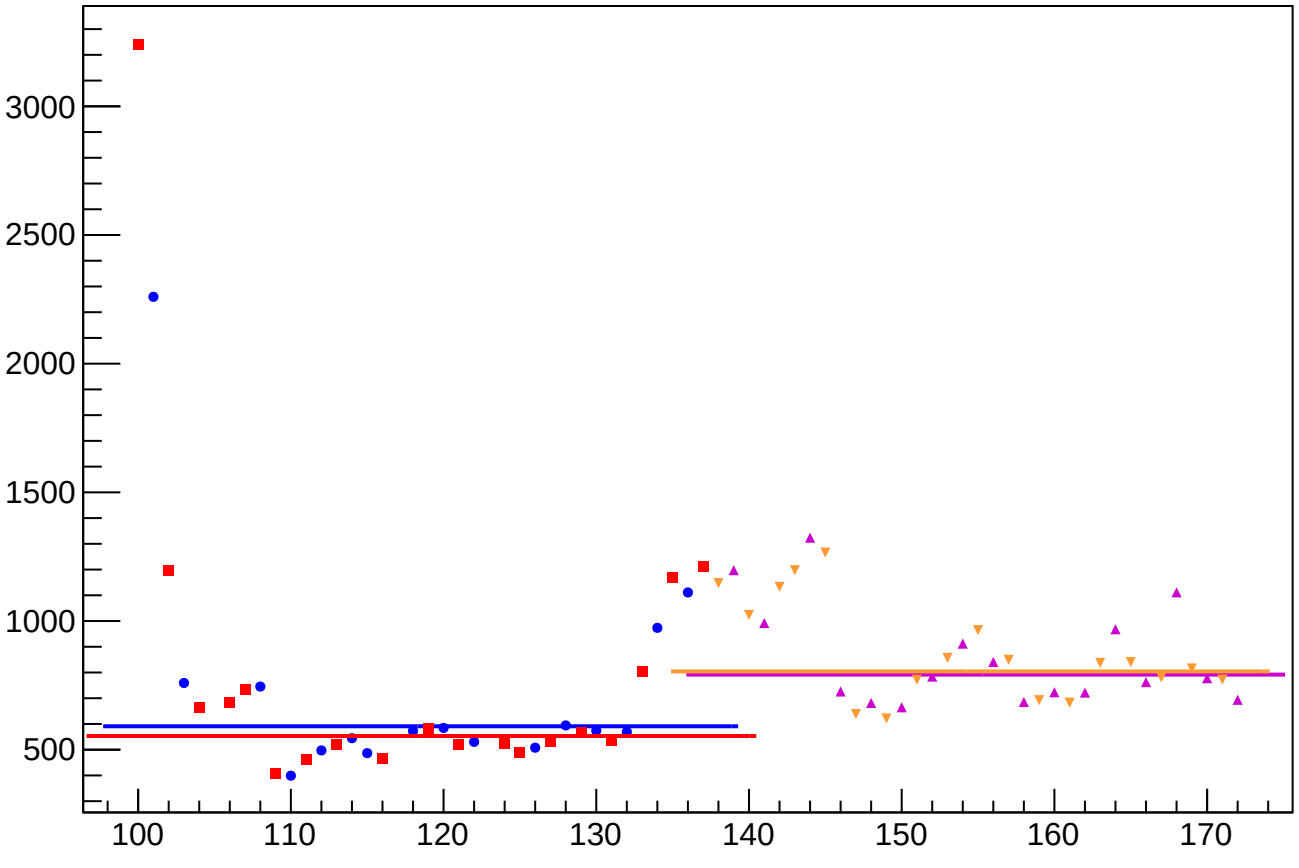
Left: -292.018+/-153.766 χ^2/NDF: 72.0/34

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 107.214+/-158.610 χ^2/NDF:30.7/32

Out: -67.865+/-153.677 χ^2/NDF:84.6/36

All: 16.910+/-110.369 χ^2/NDF: 115.9/69



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 804.128+/-0.155 χ^2/NDF:1080502.5/17

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: 797.892+/-0.109 χ^2/NDF: 2079997.1/34

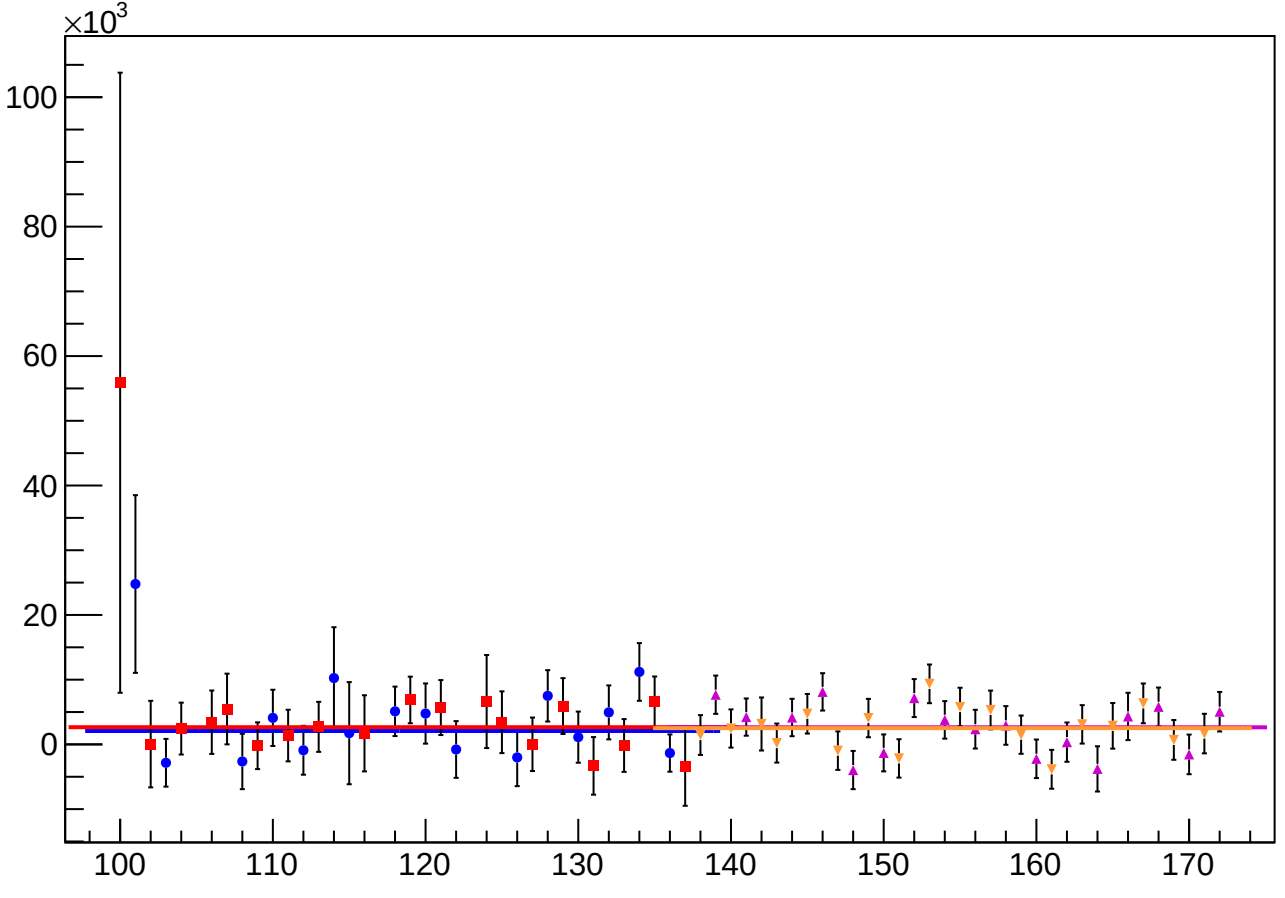
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 699.147+/-0.112 χ^2/NDF:3359275.3/32

Out: 677.012+/-0.109 χ^2/NDF:3514625.0/36

All: 687.730+/-0.078 χ^2/NDF: 6893990.4/69

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2511.167+/-723.423 χ^2/NDF:19.3/17

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: 2574.606+/-513.895 χ^2/NDF: 46.3/34

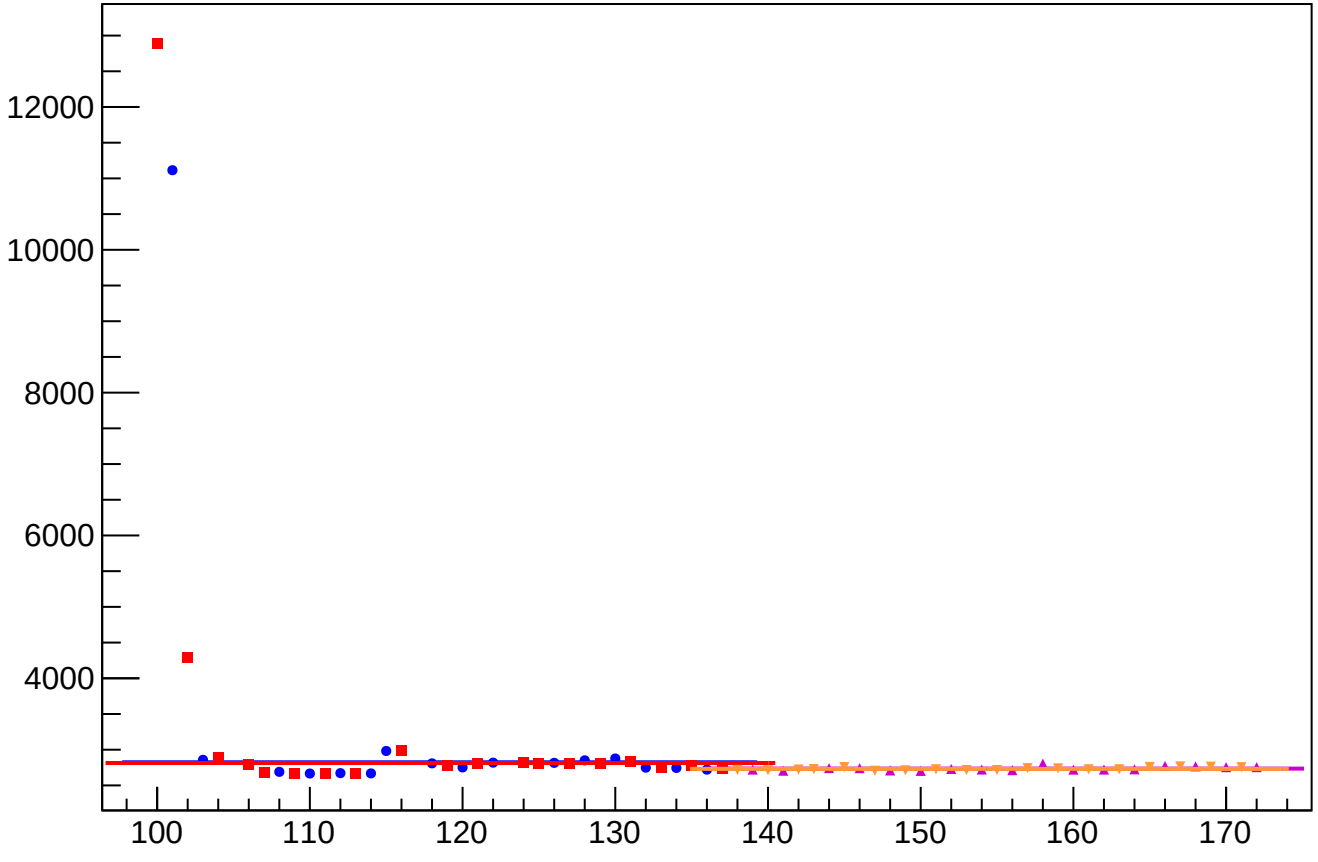
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2461.532+/-604.382 χ^2/NDF:45.1/32

Out: 2558.214+/-595.696 χ^2/NDF:29.3/36

All: 2510.573+/-424.259 χ^2/NDF: 74.3/69

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2731.790+/-0.512 χ^2/NDF:1405.2/17

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2735.255+/-0.516 χ^2/NDF:2614.1/16

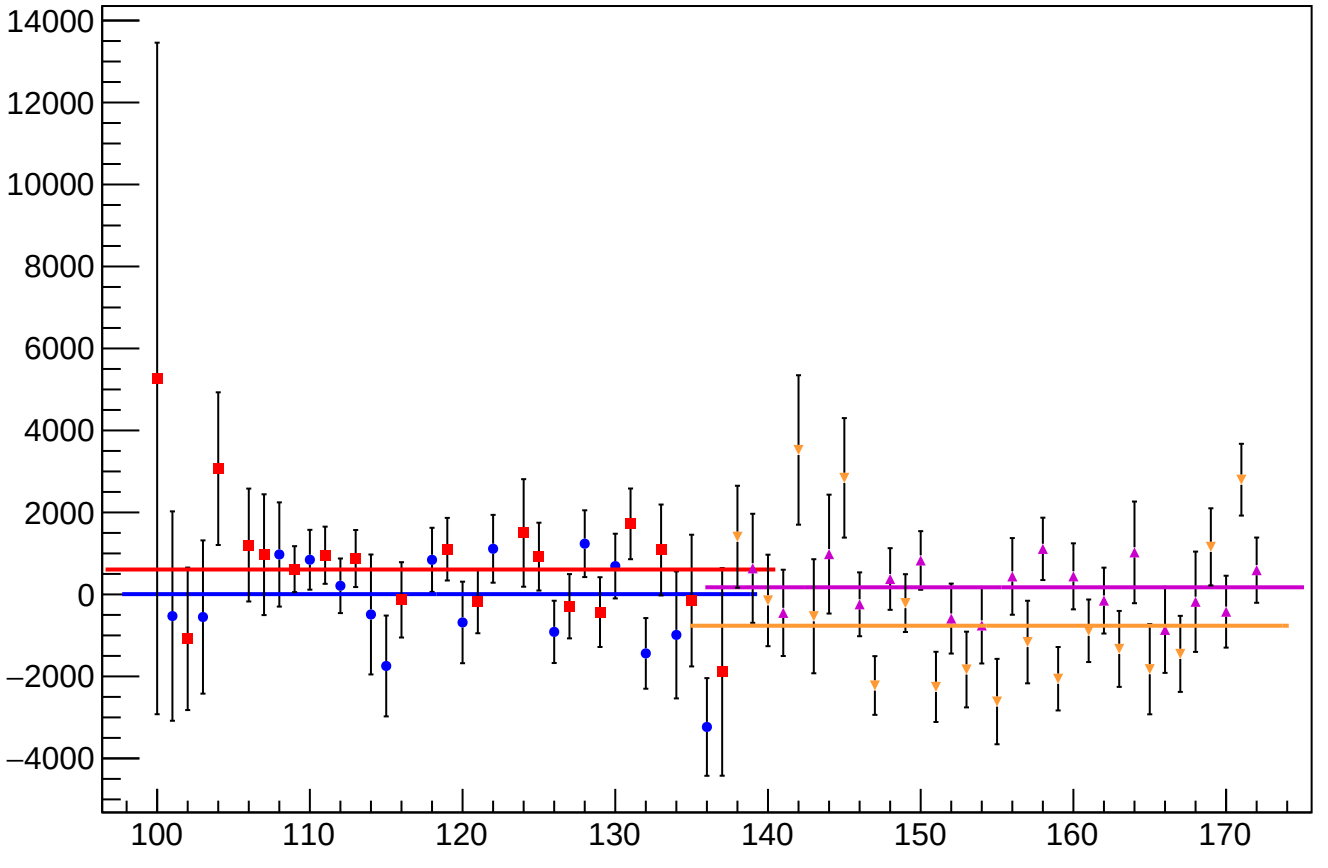
Left: 2733.507+/-0.363 χ^2/NDF: 4042.1/34

Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

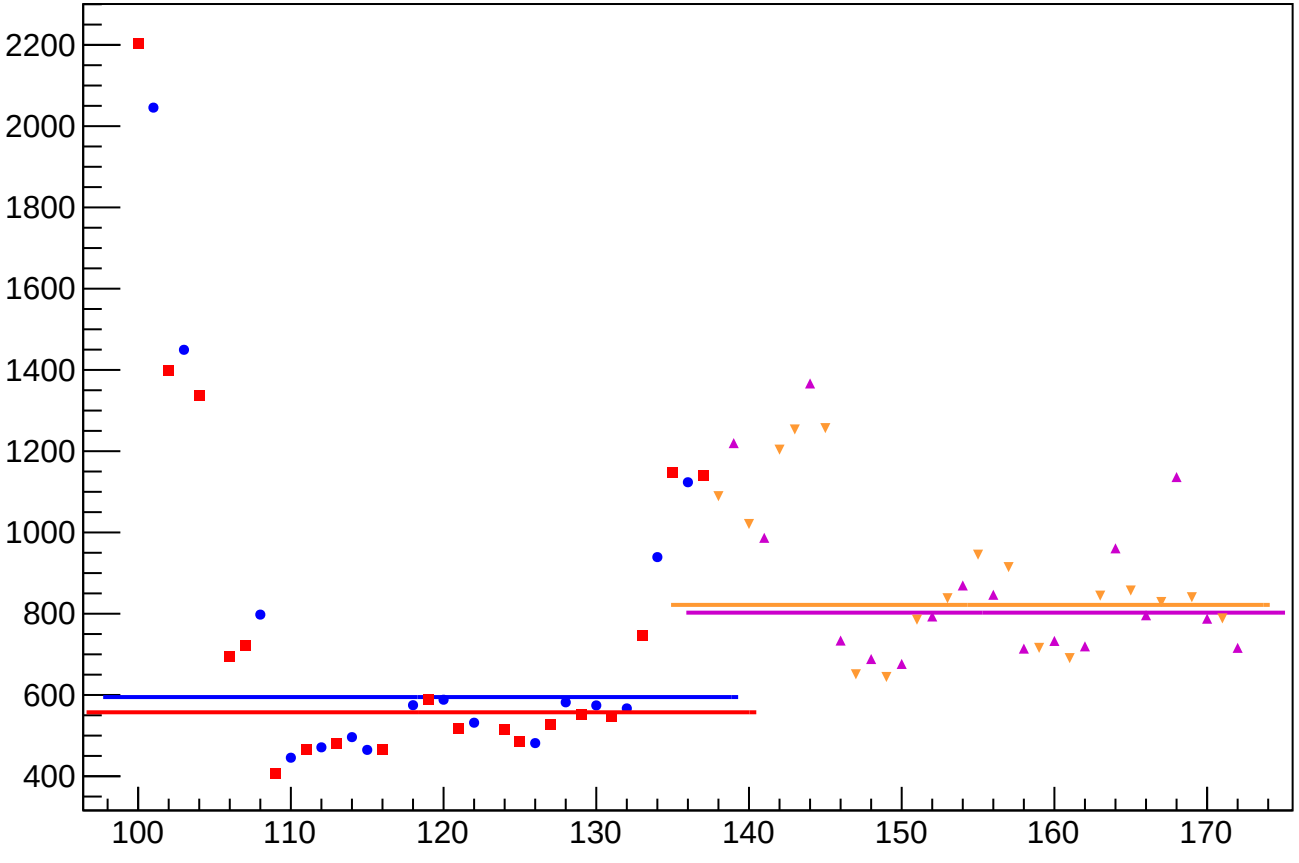
In: 2763.019+/-0.427 χ^2/NDF:755716.3/32

Out: 2758.200+/-0.421 χ^2/NDF:210196.2/36

All: 2760.575+/-0.300 χ^2/NDF: 965977.0/69


asym_atr1_dit_correction_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: 7.048+/-237.455 χ²/NDF: 22.8/15
Left Out: -763.490+/-222.942 χ²/NDF:52.9/17
Right Out: 607.647+/-217.093 χ²/NDF: 12.2/18
Left In: 174.036+/-218.639 χ²/NDF:7.9/16
Left: -285.593+/-156.100 χ²/NDF: 69.8/34
Right: 334.198+/-160.224 χ²/NDF: 38.5/34
In: 97.419+/-160.842 χ²/NDF:31.0/32
Out: -59.700+/-155.535 χ²/NDF:84.5/36
All: 16.224+/-111.809 χ²/NDF: 116.0/69

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 821.724+/-0.158 χ^2/NDF:1008137.8/17

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 802.609+/-0.155 χ^2/NDF:968783.8/16

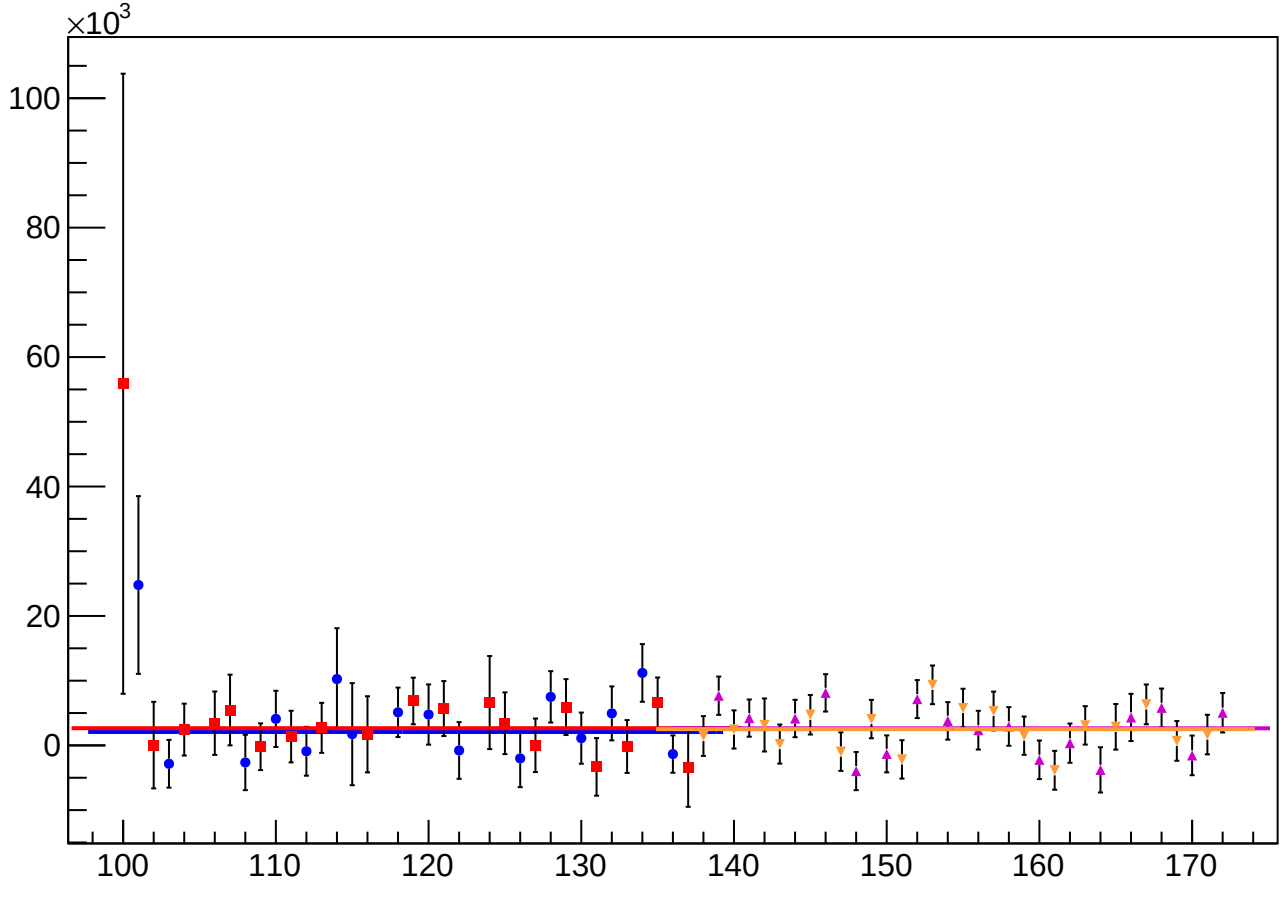
Left: 811.980+/-0.110 χ^2/NDF: 1984415.7/34

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 707.289+/-0.114 χ^2/NDF:3649954.5/32

Out: 686.048+/-0.110 χ^2/NDF:4082521.9/36

All: 696.312+/-0.079 χ^2/NDF: 7750503.1/69



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2511.168+/-723.423 χ^2/NDF:19.3/17

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: 2574.607+/-513.895 χ^2/NDF: 46.3/34

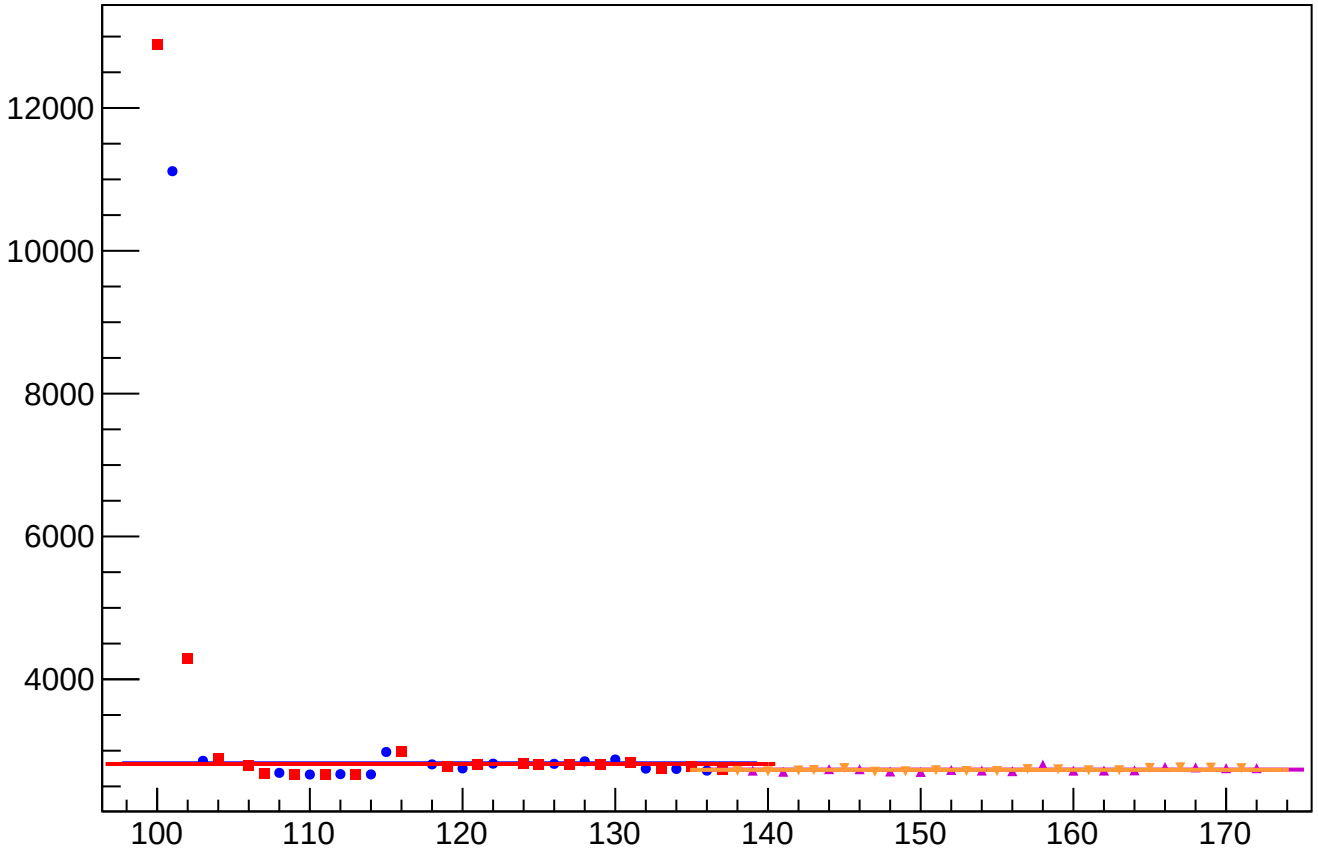
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2461.531+/-604.382 χ^2/NDF:45.1/32

Out: 2558.215+/-595.696 χ^2/NDF:29.3/36

All: 2510.573+/-424.259 χ^2/NDF: 74.3/69

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2731.790+/-0.512 χ^2/NDF:1405.2/17

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2735.255+/-0.516 χ^2/NDF:2614.1/16

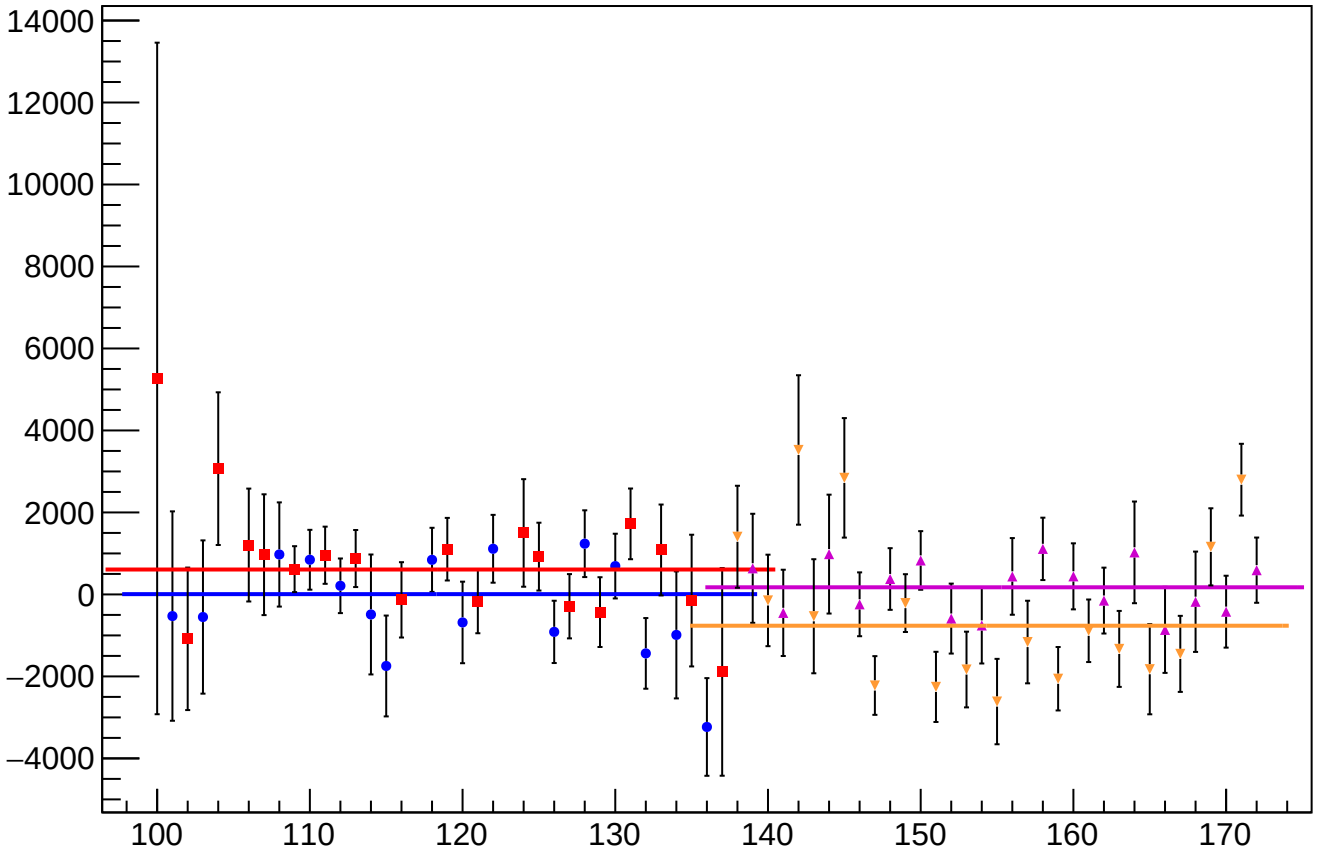
Left: 2733.507+/-0.363 χ^2/NDF: 4042.1/34

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2763.019+/-0.427 χ^2/NDF:755716.2/32

Out: 2758.200+/-0.421 χ^2/NDF:210196.0/36

All: 2760.575+/-0.300 χ^2/NDF: 965976.7/69



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -763.491+/-222.942 χ^2/NDF:52.9/17

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 174.036+/-218.639 χ^2/NDF:7.9/16

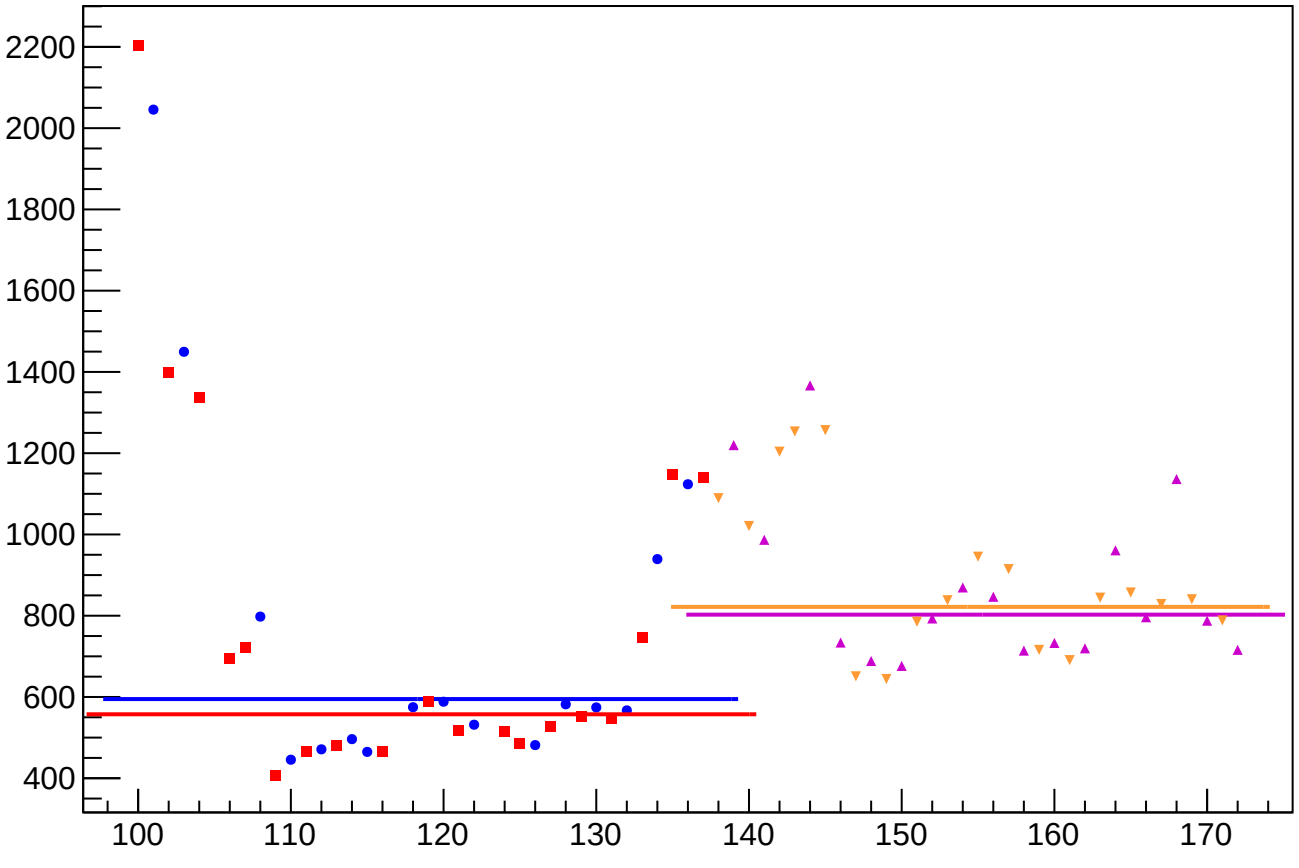
Left: -285.593+/-156.100 χ^2/NDF: 69.8/34

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 97.420+/-160.843 χ^2/NDF:31.0/32

Out: -59.701+/-155.535 χ^2/NDF:84.5/36

All: 16.224+/-111.809 χ^2/NDF: 116.0/69



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 821.724+/-0.158 χ^2/NDF:1008139.9/17

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: 811.980+/-0.110 χ^2/NDF: 1984421.3/34

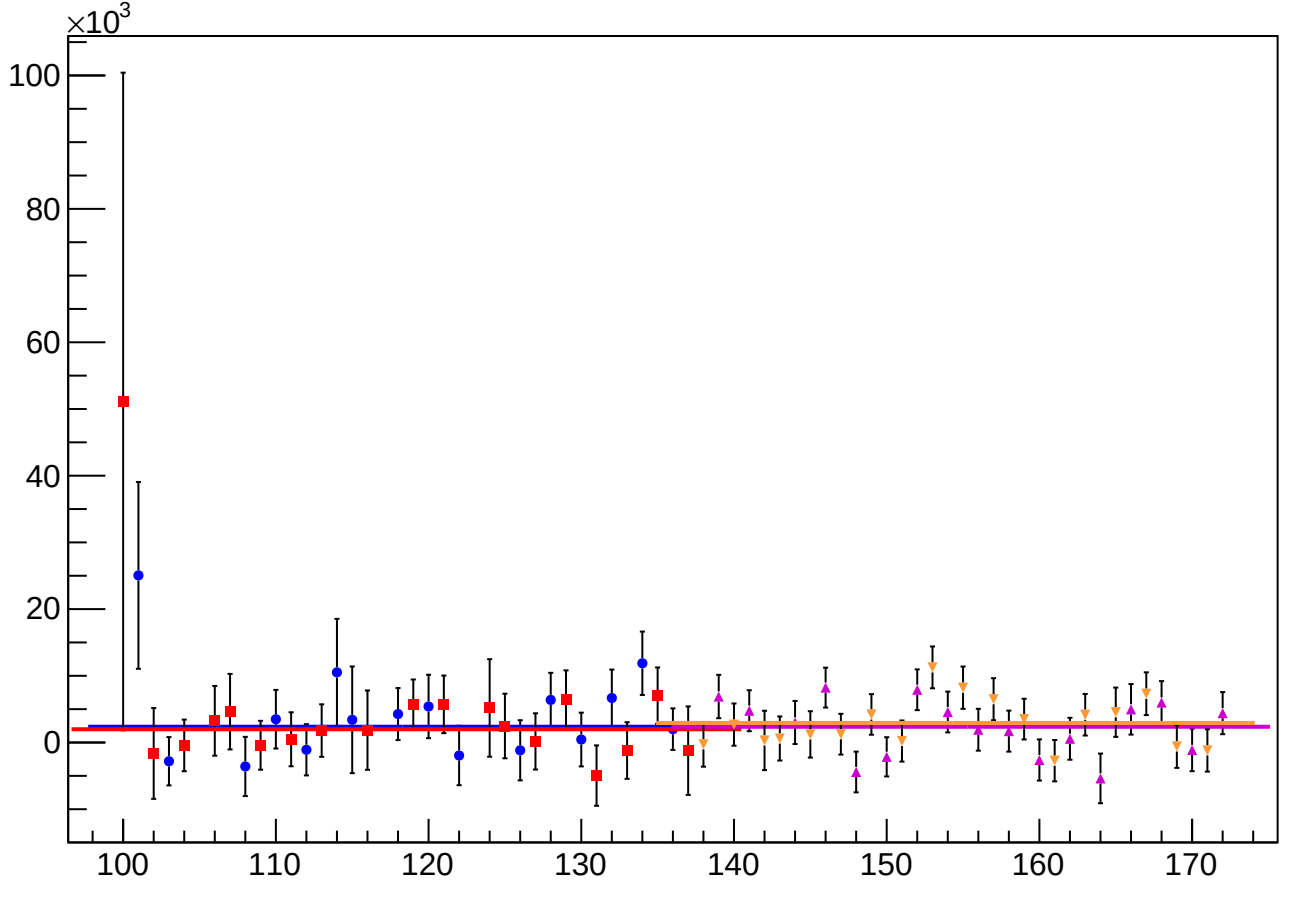
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 707.290+/-0.114 χ^2/NDF:3649948.4/32

Out: 686.048+/-0.110 χ^2/NDF:4082521.2/36

All: 696.312+/-0.079 χ^2/NDF: 7750496.4/69

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 2934.015+/-763.142 χ^2/NDF:22.8/17

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: 2649.901+/-541.159 χ^2/NDF: 51.4/34

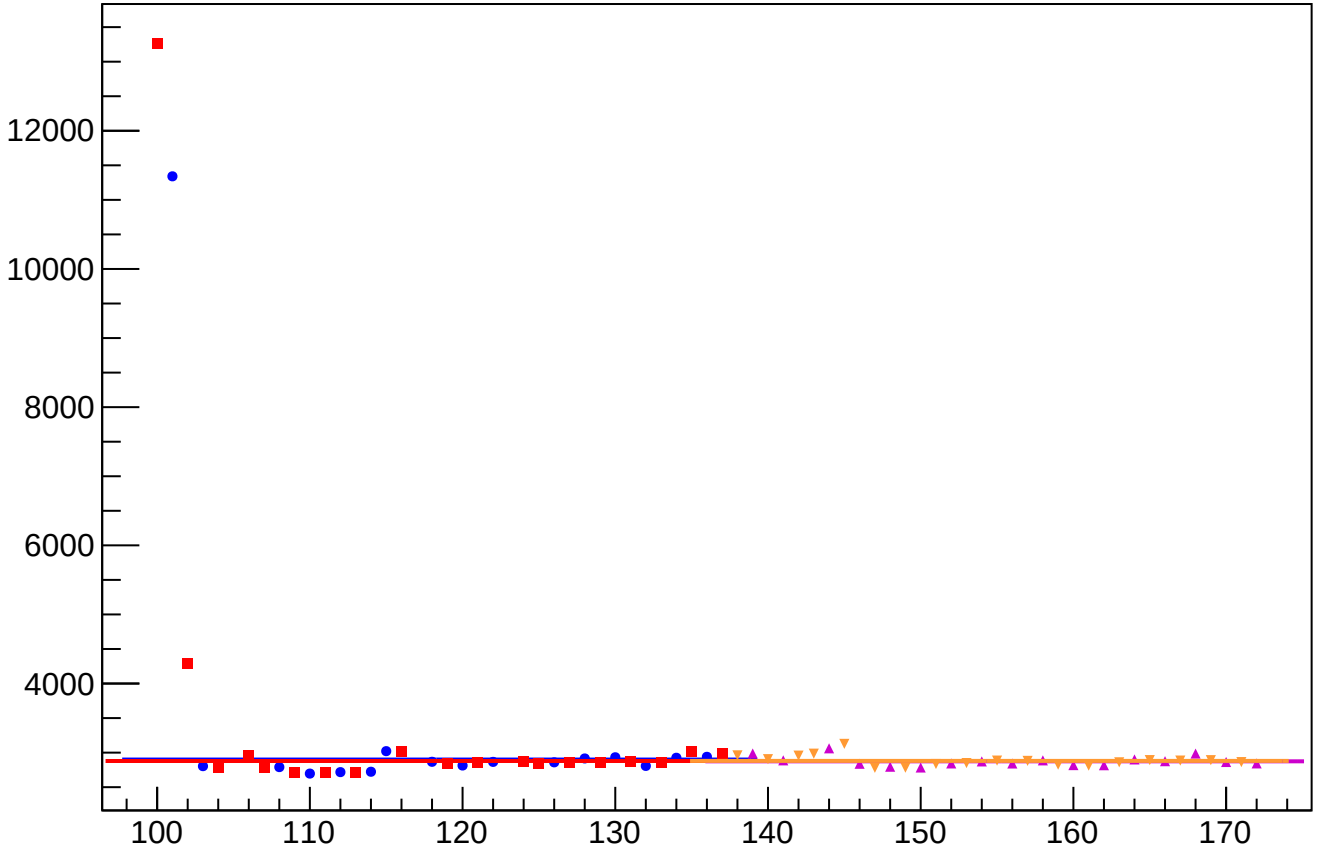
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2364.038+/-630.590 χ^2/NDF:45.1/32

Out: 2616.817+/-622.343 χ^2/NDF:33.6/36

All: 2492.091+/-442.950 χ^2/NDF: 78.8/69

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2880.365+/-0.540 χ^2/NDF:20618.2/17

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2874.256+/-0.543 χ^2/NDF:17174.0/16

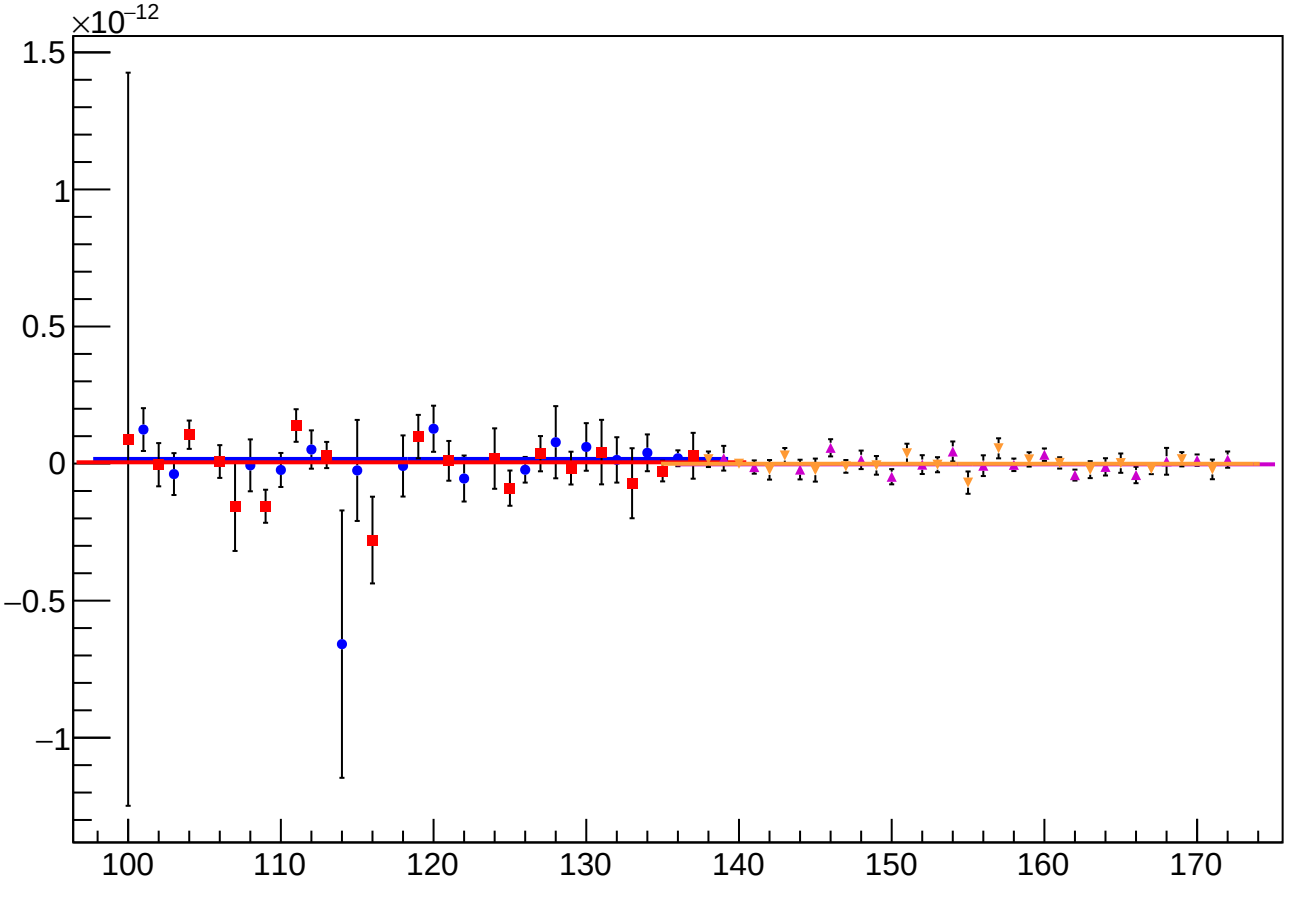
Left: 2877.328+/-0.383 χ^2/NDF: 37855.9/34

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2882.566+/-0.446 χ^2/NDF:759713.6/32

Out: 2879.893+/-0.440 χ^2/NDF:213902.9/36

All: 2881.212+/-0.313 χ^2/NDF: 973634.7/69



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:17.9/16

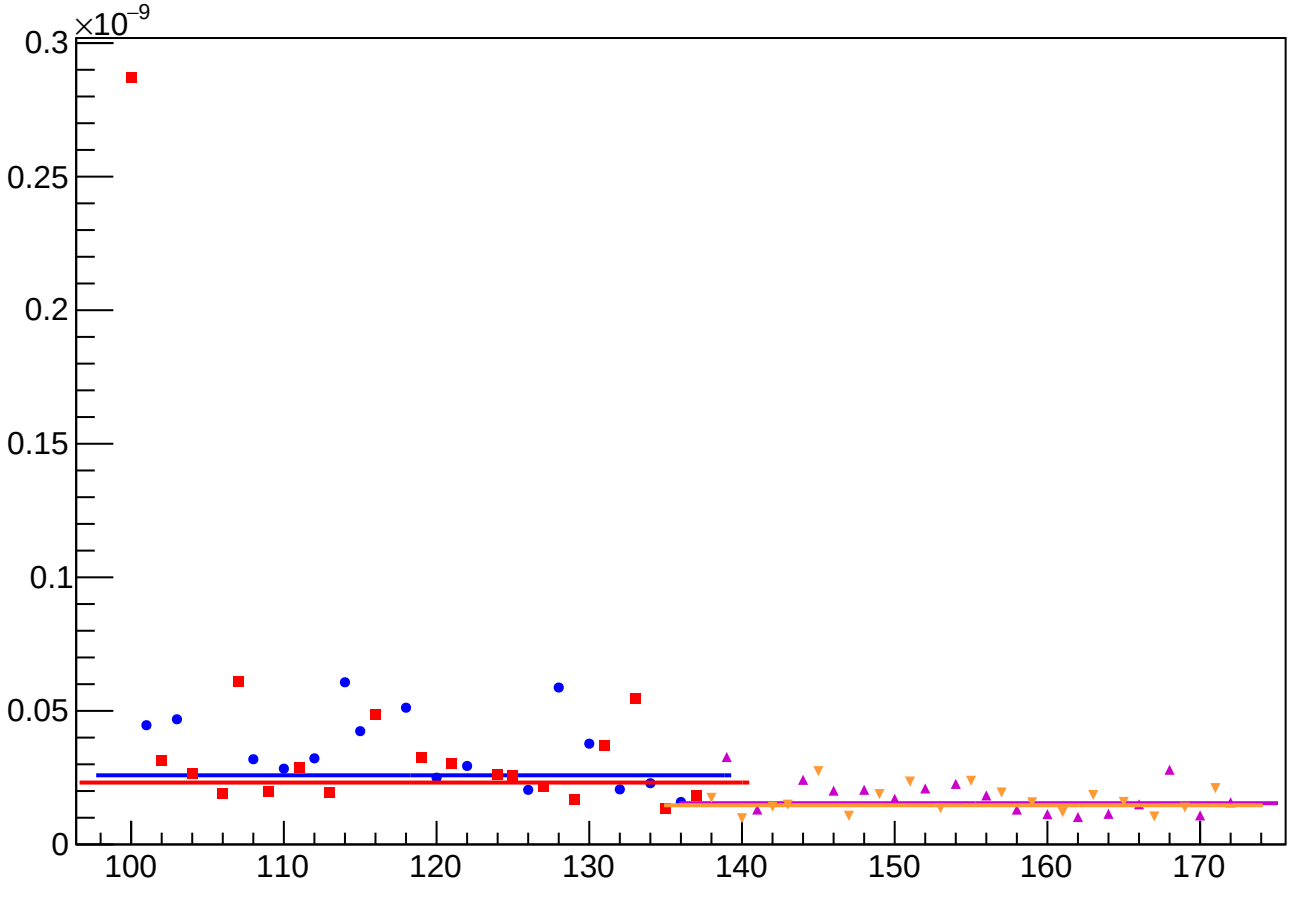
Left: -0.000+/-0.000 χ^2/NDF: 29.3/34

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:37.2/36

All: 0.000+/-0.000 χ^2/NDF: 65.1/69



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:928955.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1150451.4/16

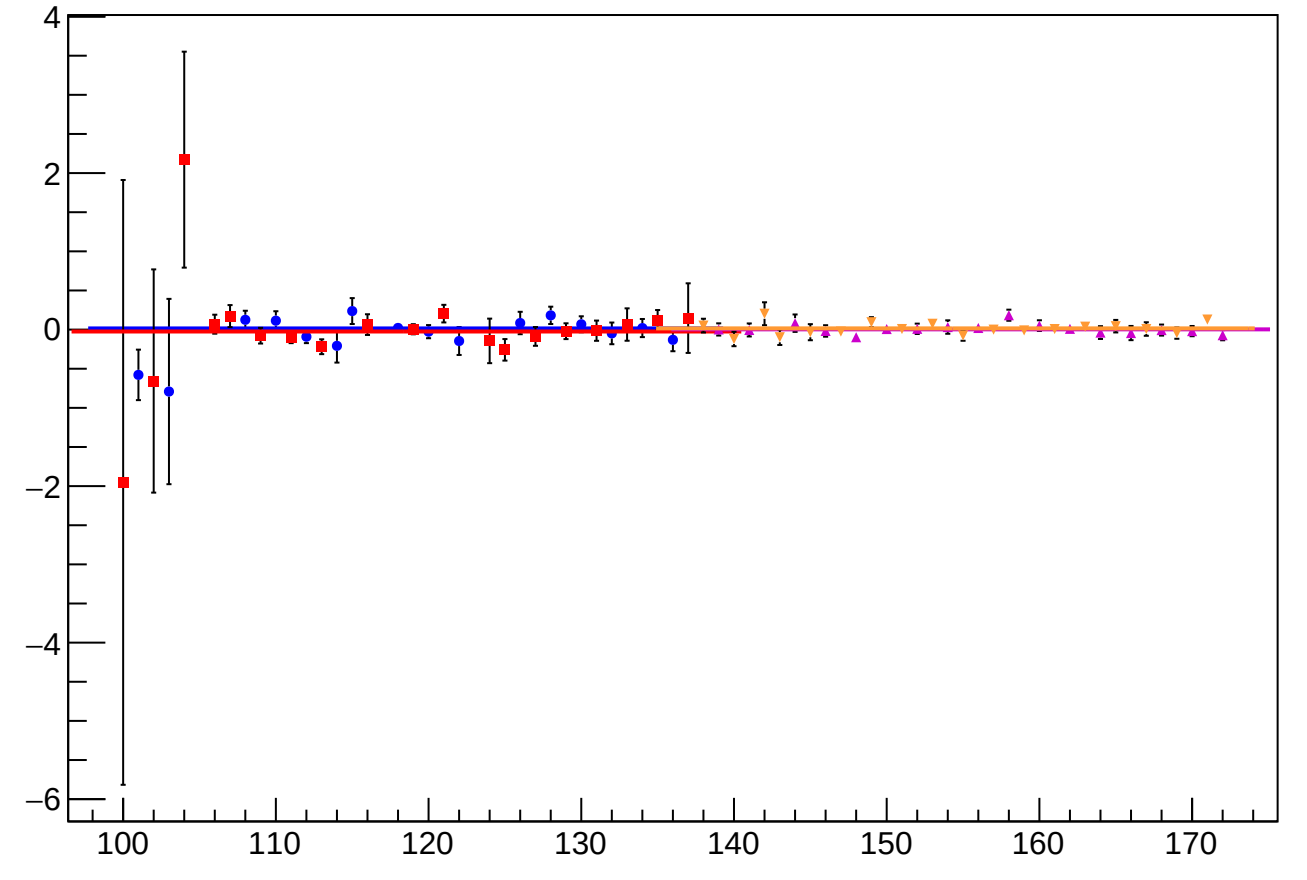
Left: 0.000+/-0.000 χ^2/NDF: 2092932.3/34

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:2120426.6/36

All: 0.000+/-0.000 χ^2/NDF: 4819639.4/69



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.016+/-0.016 χ^2/NDF:15.2/17

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.003+/-0.017 χ^2/NDF:12.3/16

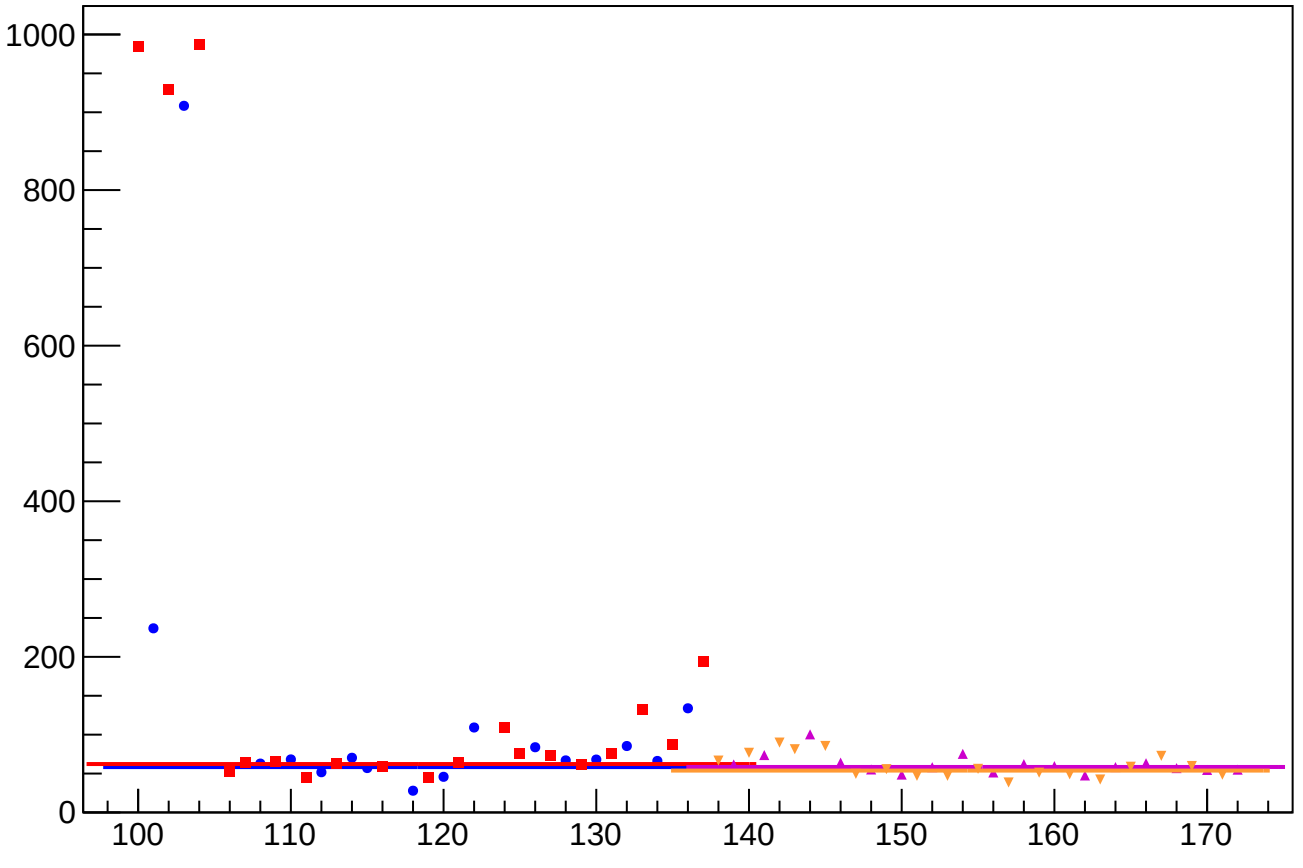
Left: 0.010+/-0.012 χ^2/NDF: 27.8/34

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.006+/-0.015 χ^2/NDF:27.4/32

Out: 0.006+/-0.014 χ^2/NDF:37.5/36

All: 0.006+/-0.010 χ^2/NDF: 64.9/69



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.818+/-0.011 χ^2/NDF:1074173.6/17

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: 56.022+/-0.008 χ^2/NDF: 1782386.3/34

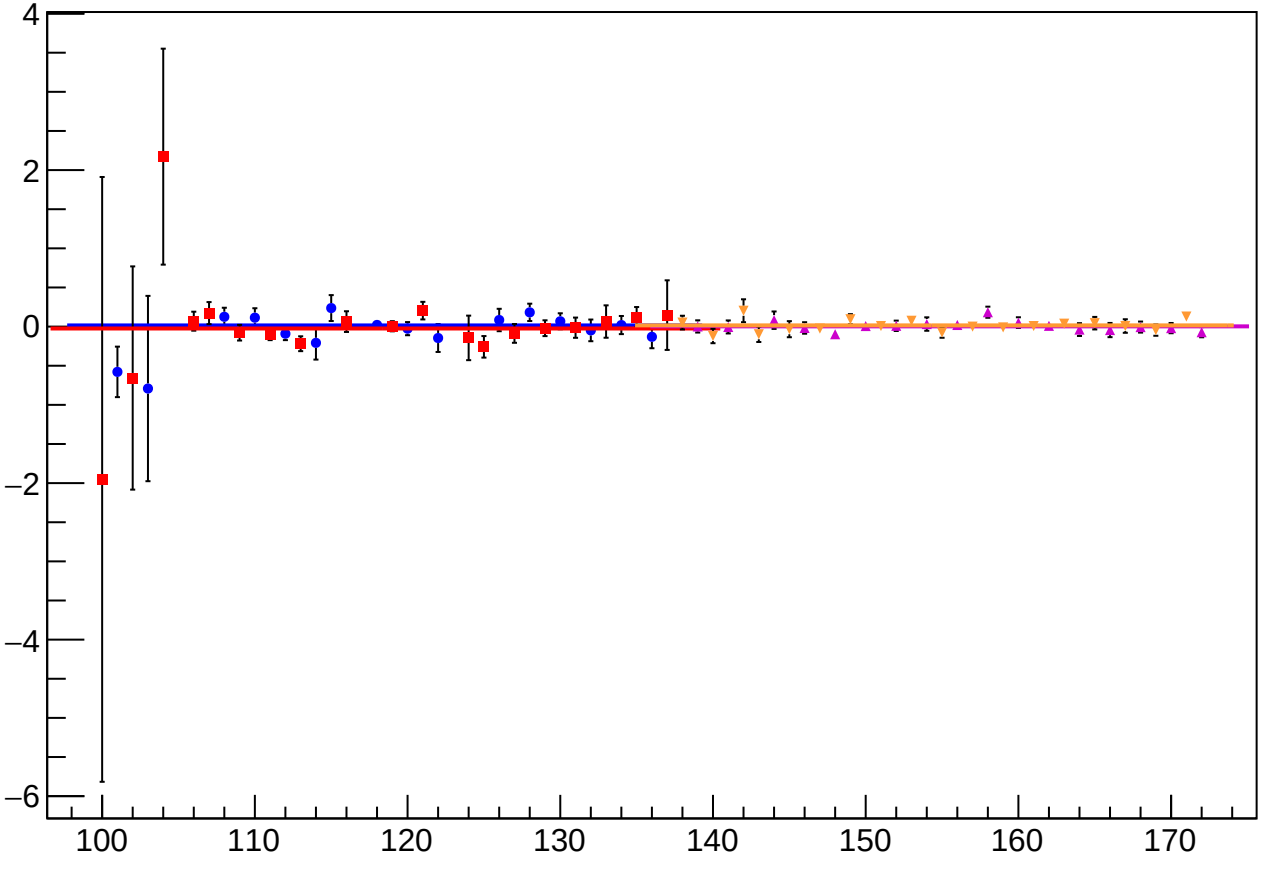
Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.424+/-0.010 χ^2/NDF:3890944.3/32

Out: 55.933+/-0.010 χ^2/NDF:3836259.2/36

All: 57.134+/-0.007 χ^2/NDF: 7757491.3/69

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: 0.016+/-0.016 χ^2/NDF:15.2/17

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.003+/-0.017 χ^2/NDF:12.3/16

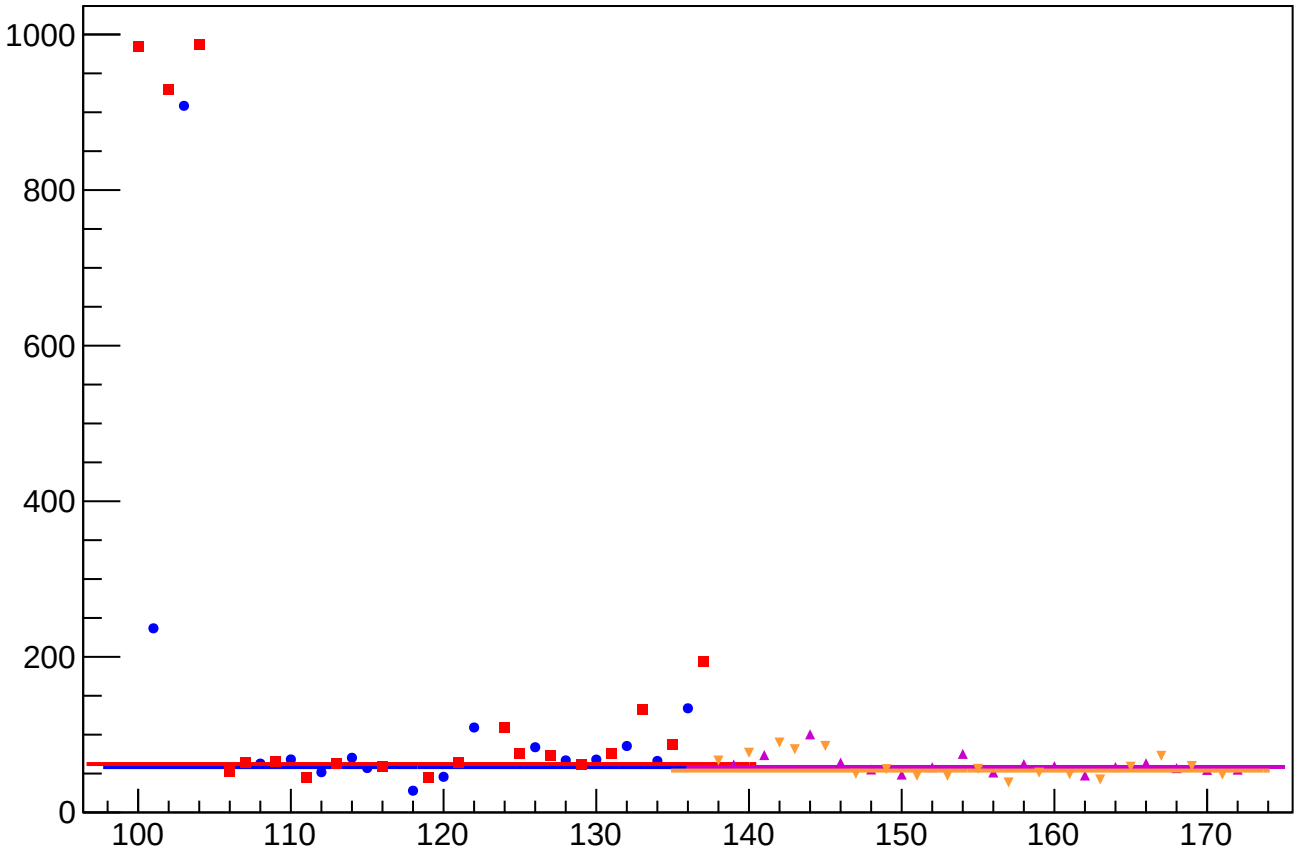
Left: 0.010+/-0.012 χ^2/NDF: 27.8/34

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.006+/-0.015 χ^2/NDF:27.4/32

Out: 0.006+/-0.014 χ^2/NDF:37.5/36

All: 0.006+/-0.010 χ^2/NDF: 64.9/69



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.818+/-0.011 χ^2/NDF:1074173.6/17

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.466+/-0.012 χ^2/NDF:630496.0/16

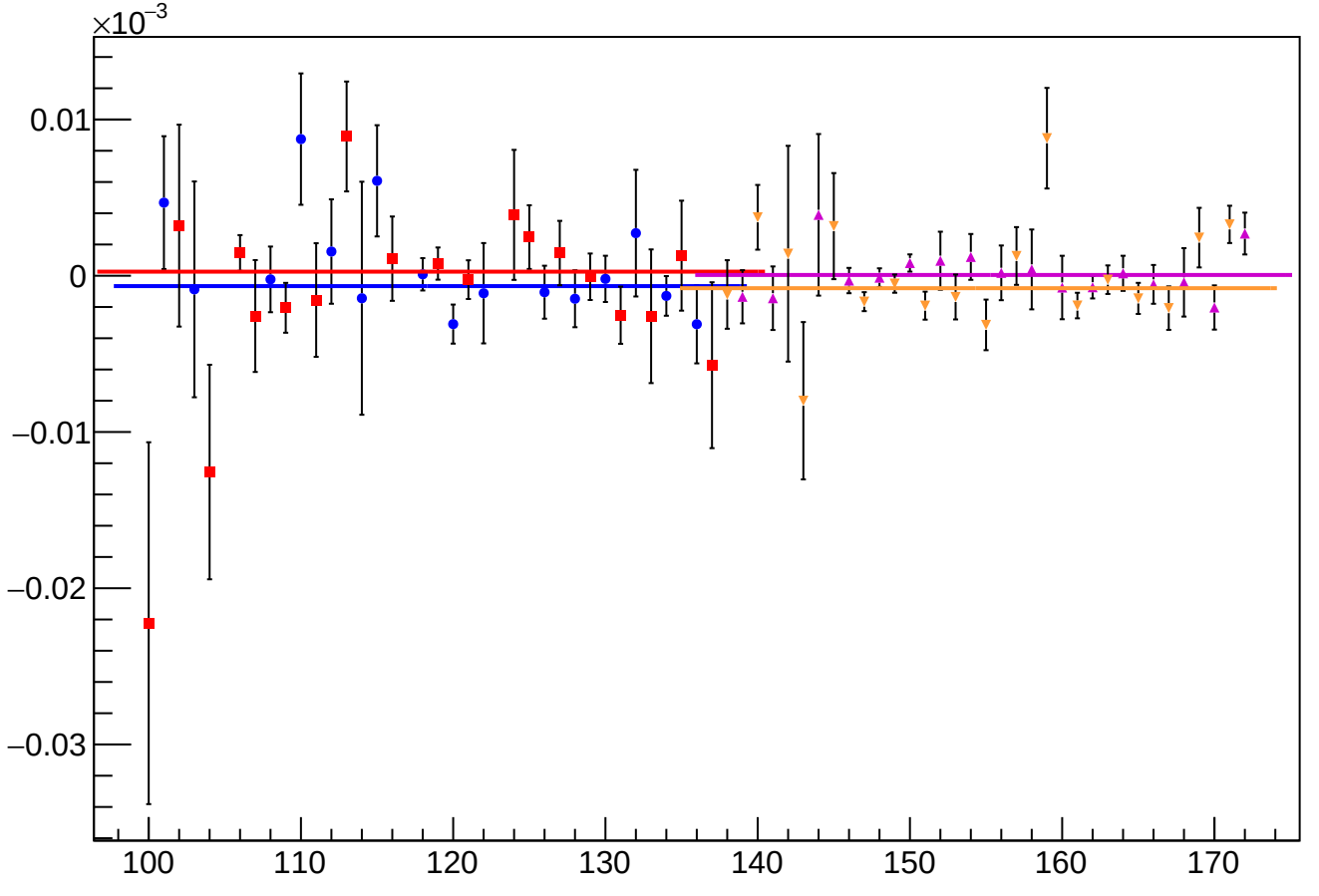
Left: 56.022+/-0.008 χ^2/NDF: 1782386.3/34

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.424+/-0.010 χ^2/NDF:3890944.3/32

Out: 55.933+/-0.010 χ^2/NDF:3836259.2/36

All: 57.134+/-0.007 χ^2/NDF: 7757491.3/69



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: 0.000+/-0.000 χ^2/NDF:12.6/16

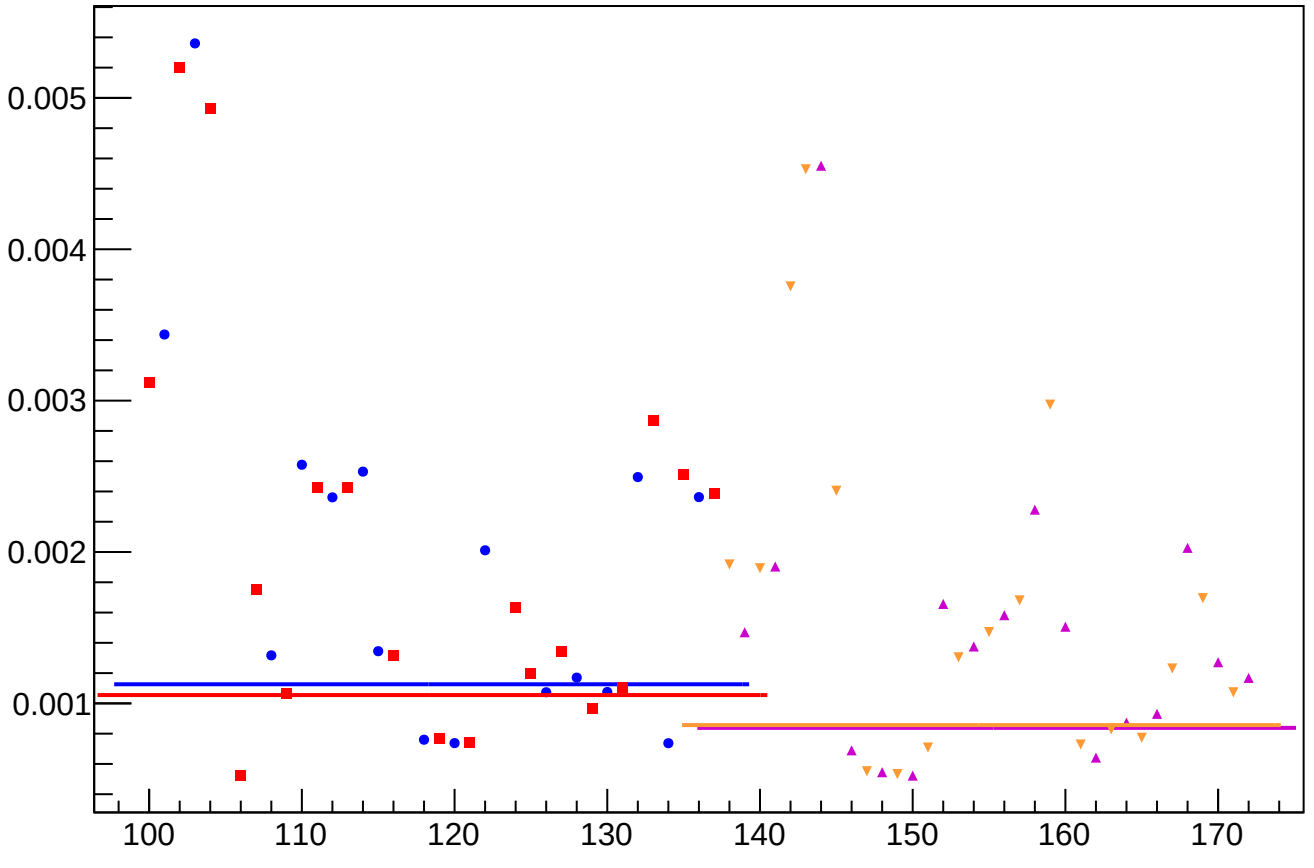
Left: -0.000+/-0.000 χ^2/NDF: 60.3/34

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:71.1/36

All: -0.000+/-0.000 χ^2/NDF: 104.2/69



Right In: 0.001+/-0.000 χ^2/NDF: 3453081.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:6383332.7/17

Right Out: 0.001+/-0.000 χ^2/NDF: 3848500.2/18

Left In: 0.001+/-0.000 χ^2/NDF:5994951.2/16

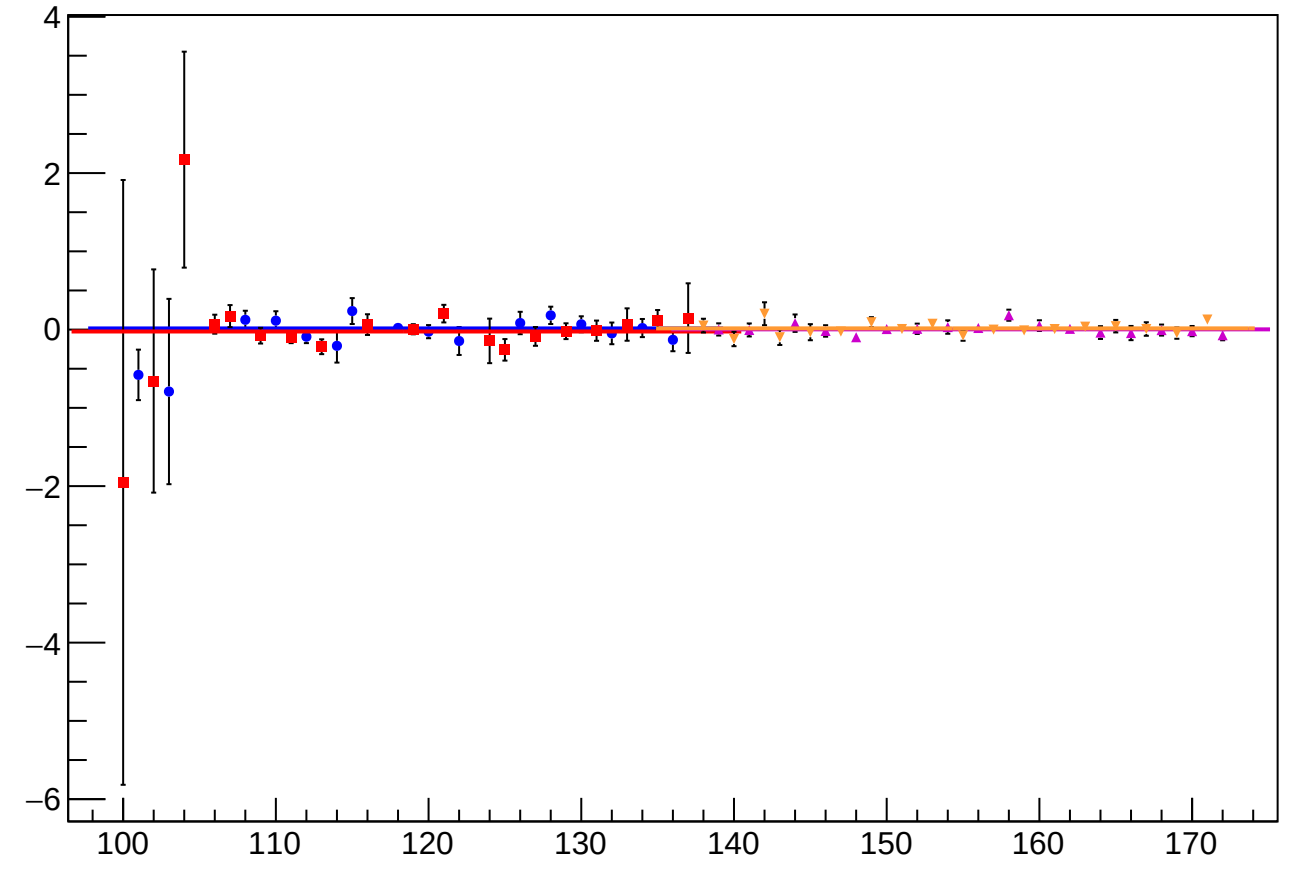
Left: 0.001+/-0.000 χ^2/NDF: 12383075.5/34

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:10505389.5/36

All: 0.001+/-0.000 χ^2/NDF: 20489184.3/69



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.016+/-0.016 χ^2/NDF:15.2/17

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.003+/-0.017 χ^2/NDF:12.3/16

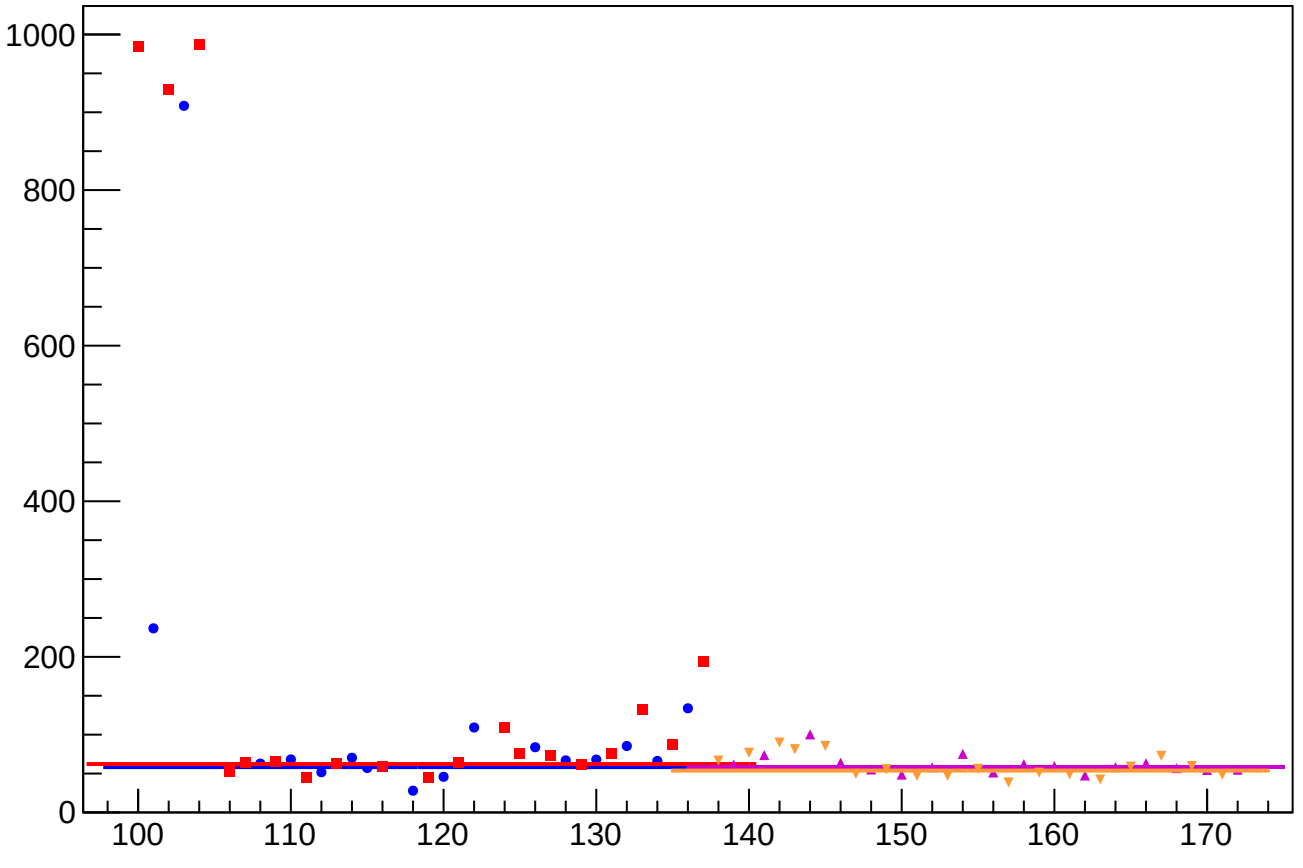
Left: 0.010+/-0.012 χ^2/NDF: 27.8/34

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.006+/-0.015 χ^2/NDF:27.4/32

Out: 0.006+/-0.014 χ^2/NDF:37.5/36

All: 0.006+/-0.010 χ^2/NDF: 64.9/69



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 53.817+/-0.011 χ^2/NDF:1074240.3/17

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: 56.022+/-0.008 χ^2/NDF: 1782495.1/34

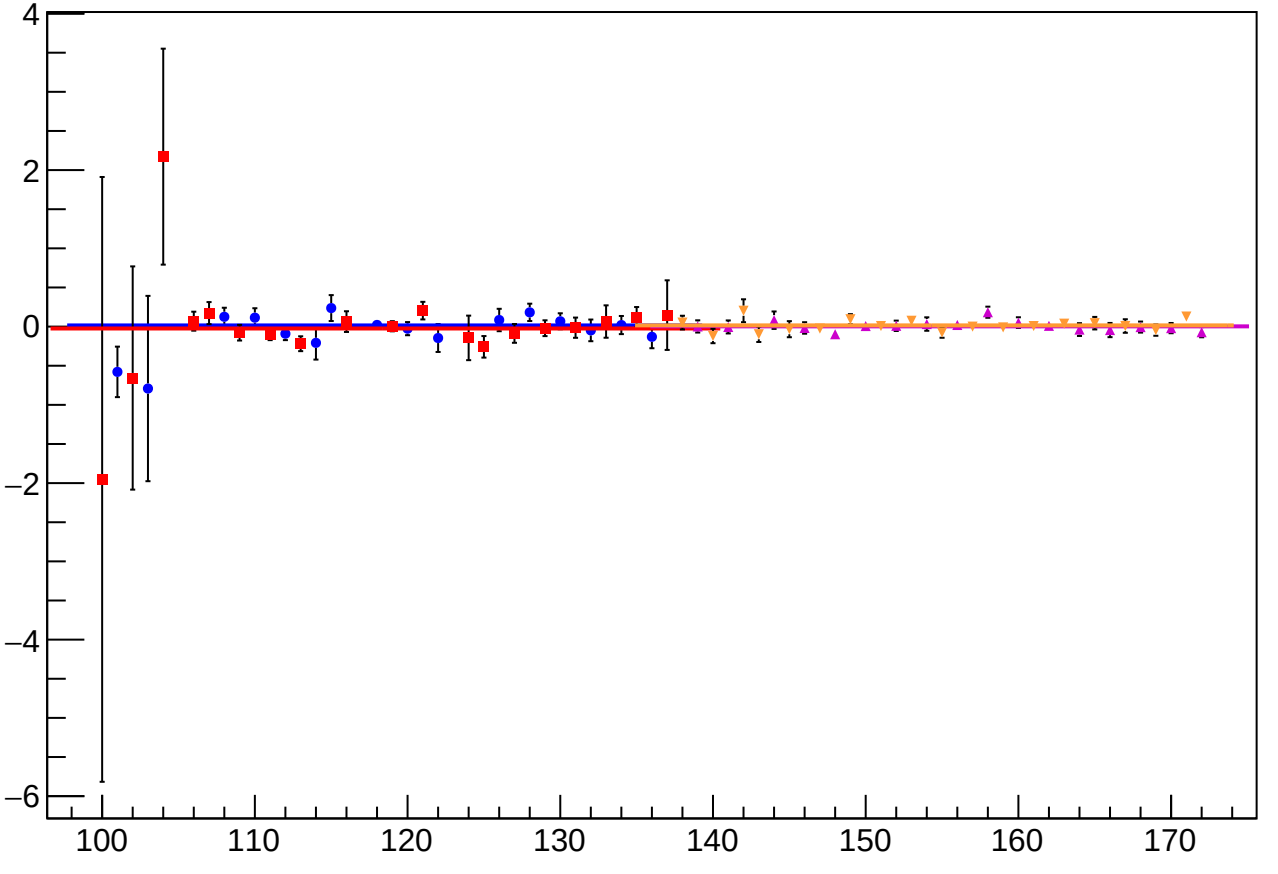
Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.424+/-0.010 χ^2/NDF:3891047.0/32

Out: 55.933+/-0.010 χ^2/NDF:3836330.4/36

All: 57.133+/-0.007 χ^2/NDF: 7757671.6/69

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.016+/-0.016 χ^2/NDF:15.2/17

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.003+/-0.017 χ^2/NDF:12.3/16

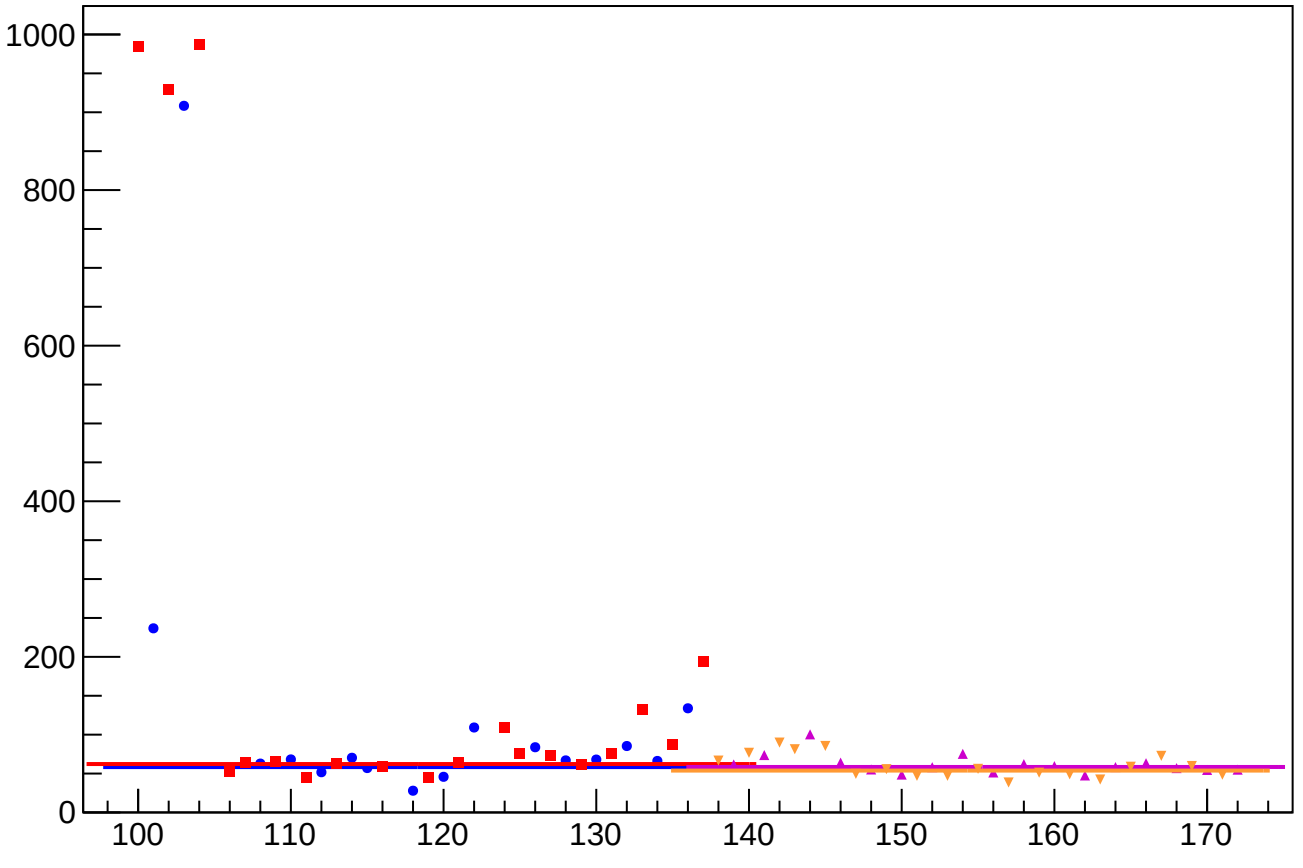
Left: 0.010+/-0.012 χ^2/NDF: 27.8/34

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.006+/-0.015 χ^2/NDF:27.4/32

Out: 0.006+/-0.014 χ^2/NDF:37.5/36

All: 0.006+/-0.010 χ^2/NDF: 64.9/69



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 53.817+/-0.011 χ^2/NDF:1074240.3/17

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.466+/-0.012 χ^2/NDF:630518.3/16

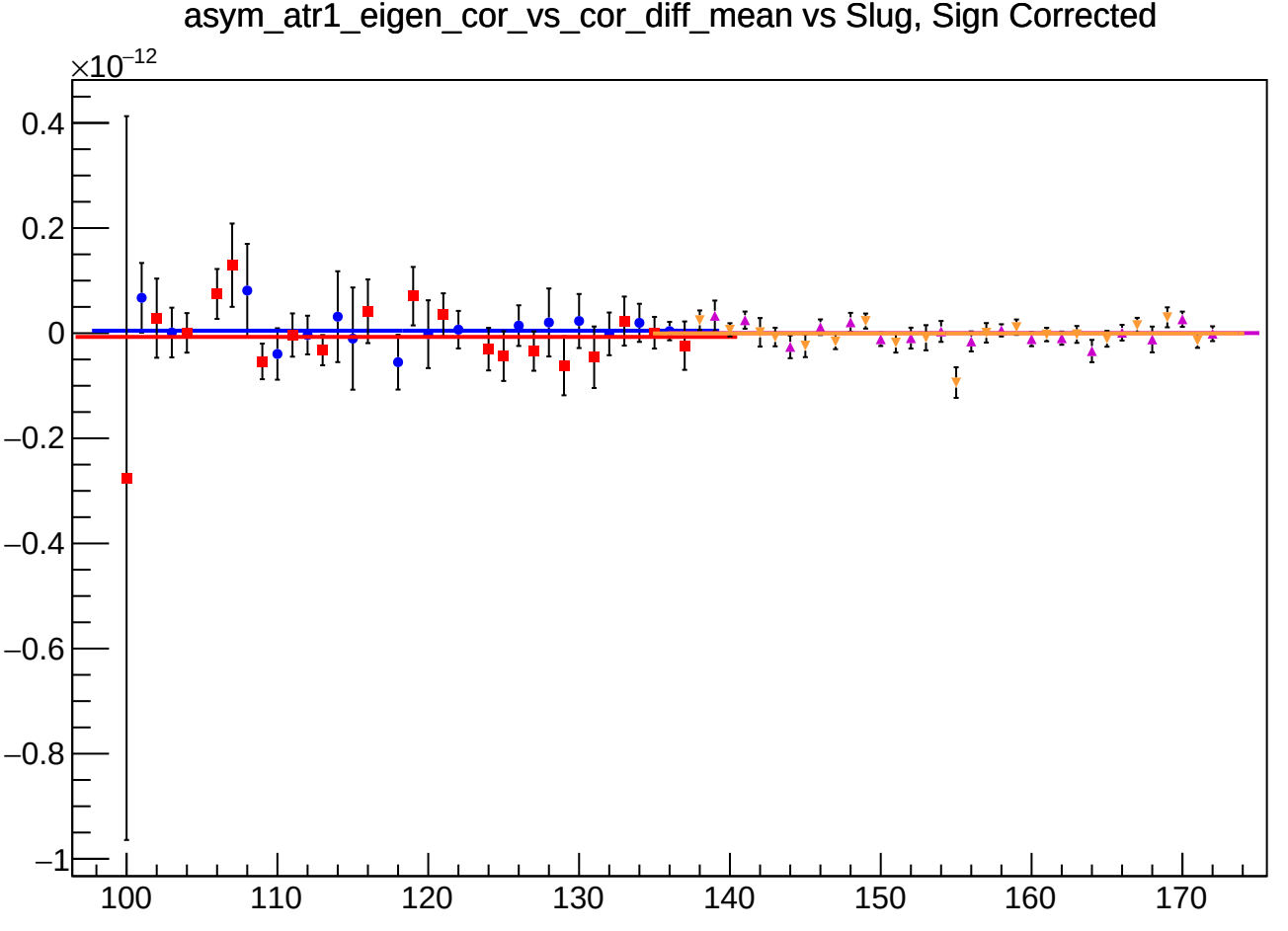
Left: 56.022+/-0.008 χ^2/NDF: 1782495.1/34

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

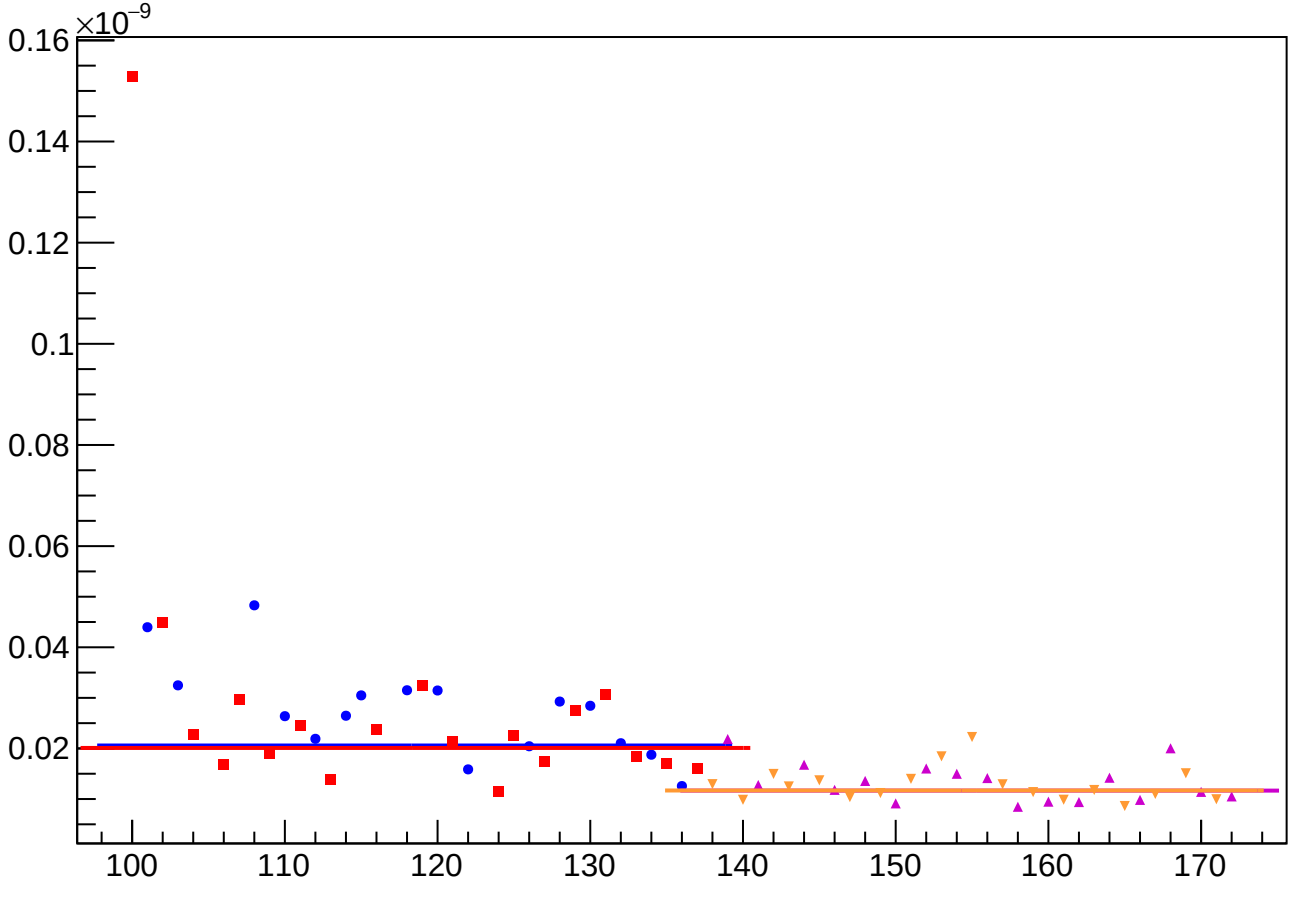
In: 58.424+/-0.010 χ^2/NDF:3891047.0/32

Out: 55.933+/-0.010 χ^2/NDF:3836330.4/36

All: 57.133+/-0.007 χ^2/NDF: 7757671.6/69


asym_atr1_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
−1
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 4.4/15
Left Out: -0.000+/-0.000 χ²/NDF:24.5/17
Right Out: -0.000+/-0.000 χ²/NDF: 16.1/18
Left In: 0.000+/-0.000 χ²/NDF:16.3/16
Left: -0.000+/-0.000 χ²/NDF: 40.8/34
Right: -0.000+/-0.000 χ²/NDF: 21.2/34
In: 0.000+/-0.000 χ²/NDF:20.9/32
Out: -0.000+/-0.000 χ²/NDF:41.0/36
All: -0.000+/-0.000 χ²/NDF: 62.0/69

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:805750.5/17

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: 2034034.6/34

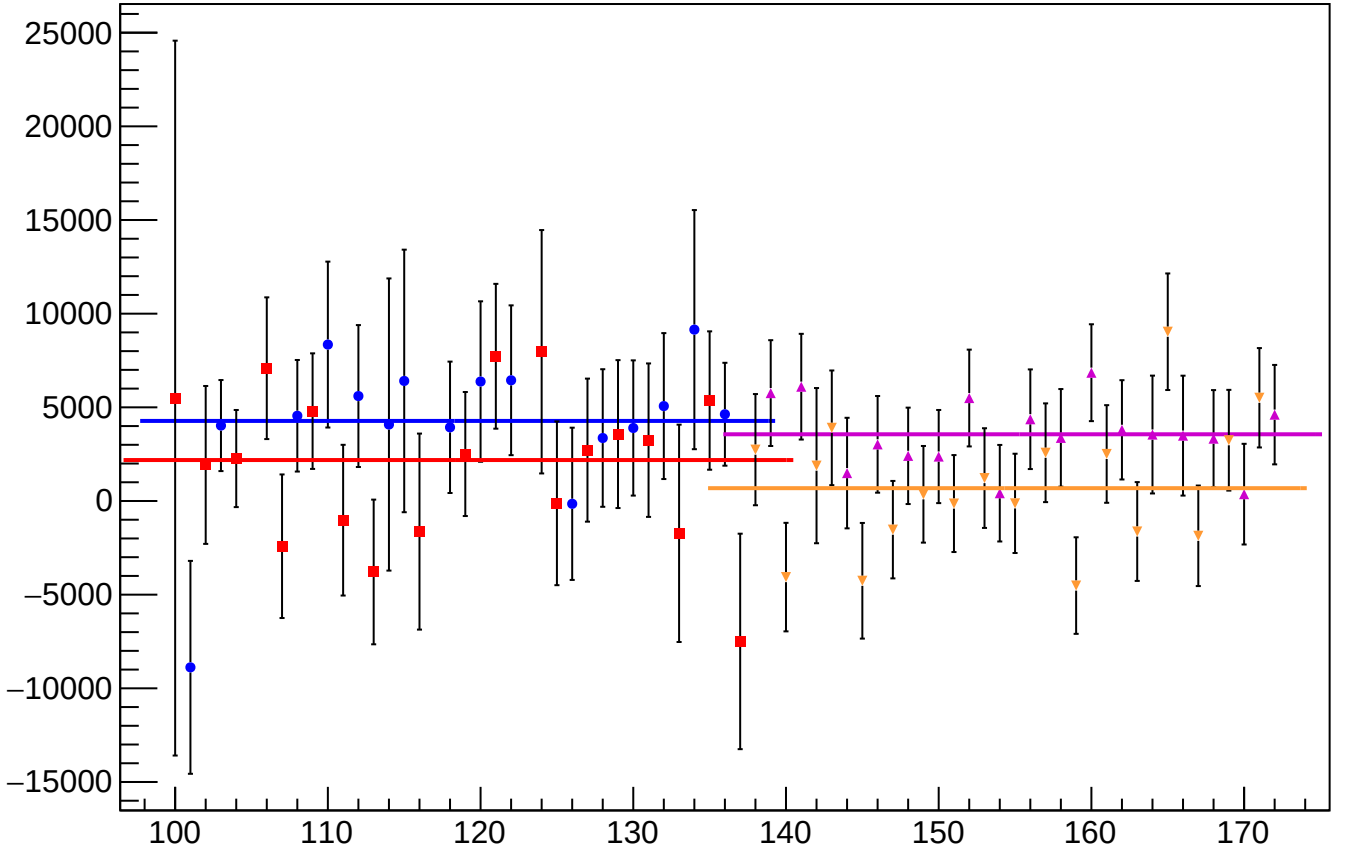
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:3868975.8/32

Out: 0.000+/-0.000 χ^2/NDF:2821483.7/36

All: 0.000+/-0.000 χ^2/NDF: 6690488.9/69

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 684.430+/-653.462 χ^2/NDF:26.1/17

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: 2121.830+/-462.266 χ^2/NDF: 43.5/34

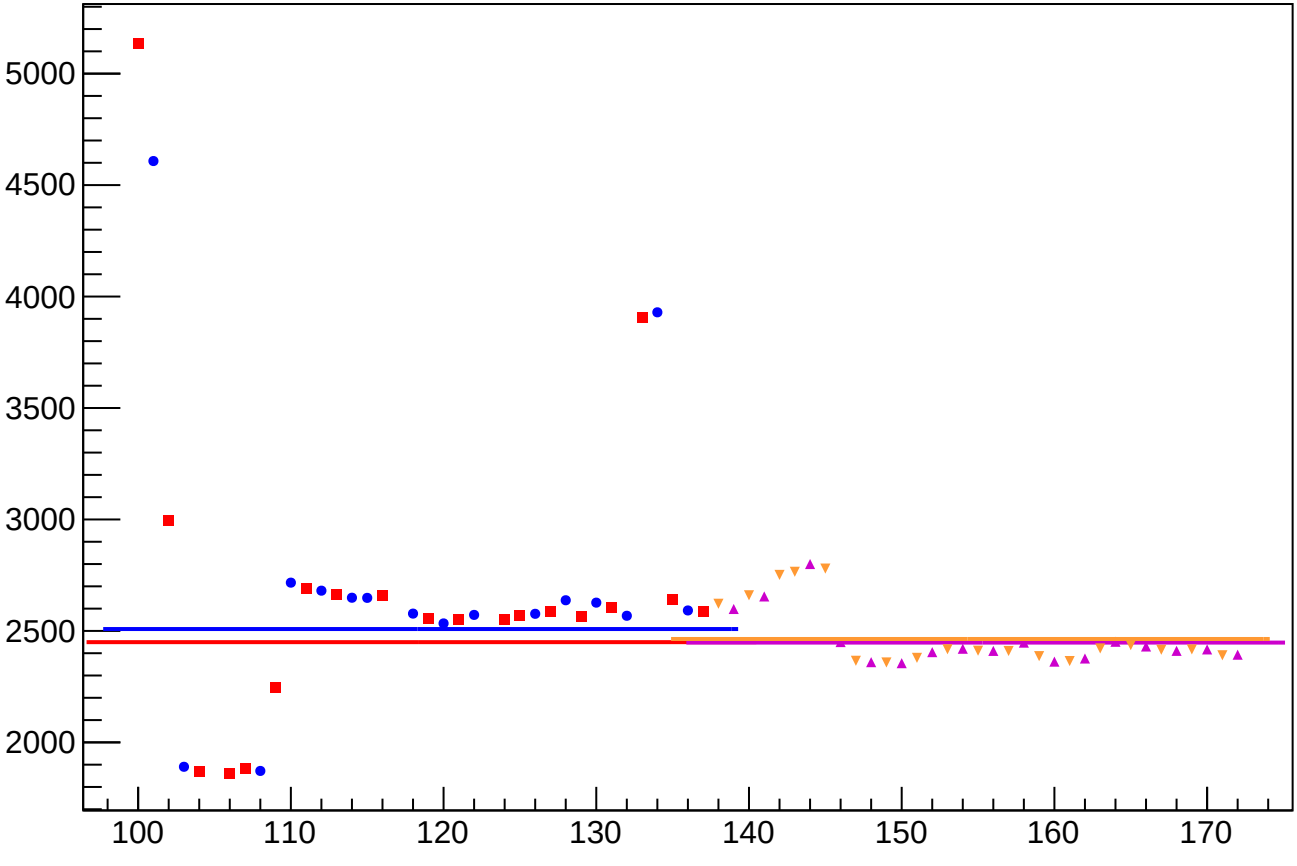
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3790.228+/-539.060 χ^2/NDF:17.0/32

Out: 1186.511+/-533.158 χ^2/NDF:42.6/36

All: 2474.037+/-379.069 χ^2/NDF: 71.4/69

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2463.831+/-0.462 χ^2/NDF:83433.8/17

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2447.661+/-0.462 χ^2/NDF:56450.4/16

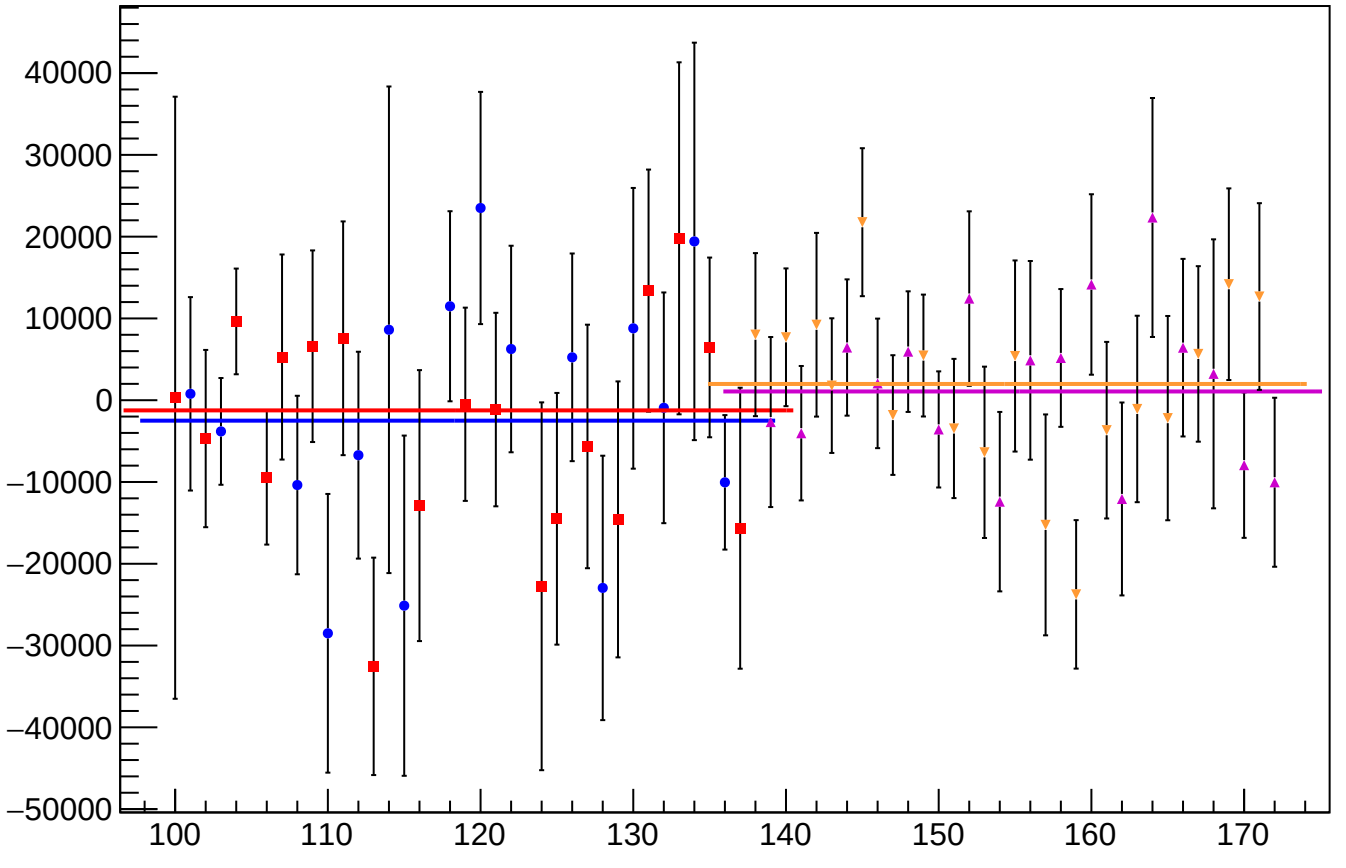
Left: 2455.753+/-0.327 χ^2/NDF: 140496.0/34

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2467.159+/-0.381 χ^2/NDF:673583.3/32

Out: 2459.081+/-0.377 χ^2/NDF:520651.0/36

All: 2463.076+/-0.268 χ^2/NDF: 1194461.3/69



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 1986.441+/-2294.668 χ^2/NDF:19.8/17

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 1069.382+/-2325.874 χ^2/NDF:12.0/16

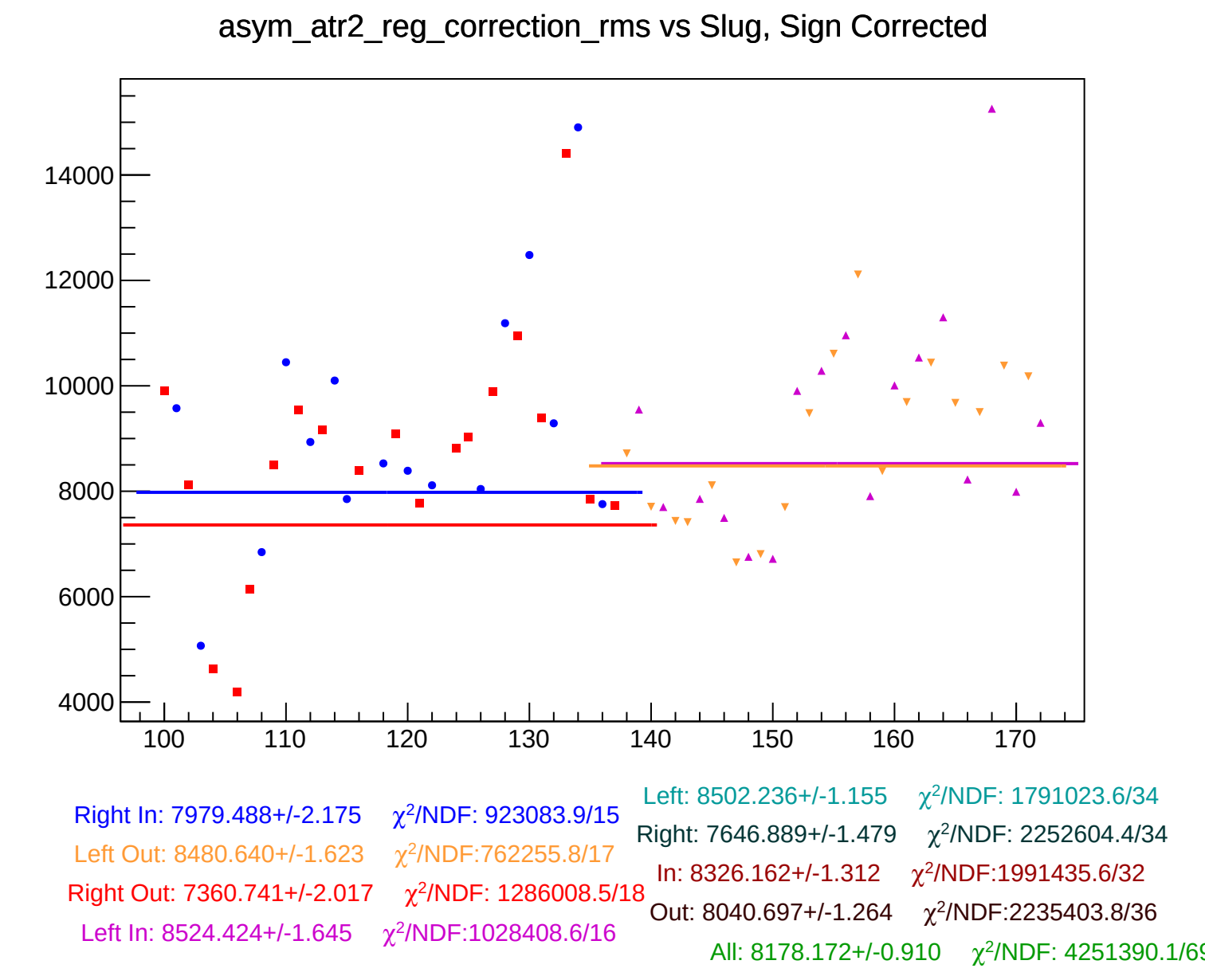
Left: 1534.104+/-1633.497 χ^2/NDF: 31.9/34

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

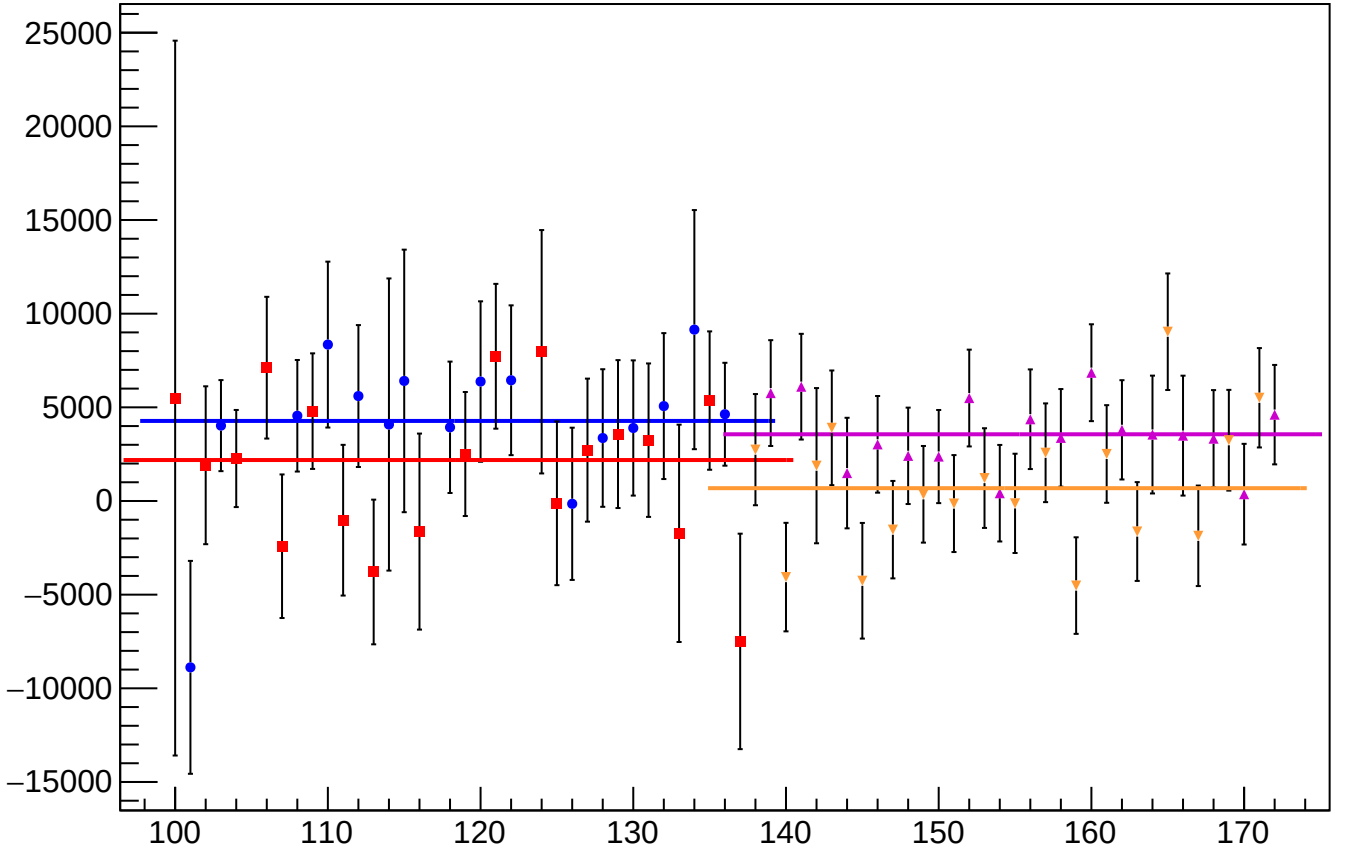
In: -229.472+/-1855.129 χ^2/NDF:26.6/32

Out: 717.250+/-1788.014 χ^2/NDF:37.2/36

All: 261.324+/-1287.390 χ^2/NDF: 63.9/69


asym_atr2_reg_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 7979.488+/-2.175 χ²/NDF: 923083.9/15
Left Out: 8480.640+/-1.623 χ²/NDF:762255.8/17
Right Out: 7360.741+/-2.017 χ²/NDF: 1286008.5/18
Left In: 8524.424+/-1.645 χ²/NDF:1028408.6/16
Left: 8502.236+/-1.155 χ²/NDF: 1791023.6/34
Right: 7646.889+/-1.479 χ²/NDF: 2252604.4/34
In: 8326.162+/-1.312 χ²/NDF:1991435.6/32
Out: 8040.697+/-1.264 χ²/NDF:2235403.8/36
All: 8178.172+/-0.910 χ²/NDF: 4251390.1/69

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 684.193+/-653.462 χ^2/NDF:26.1/17

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: 2121.663+/-462.266 χ^2/NDF: 43.5/34

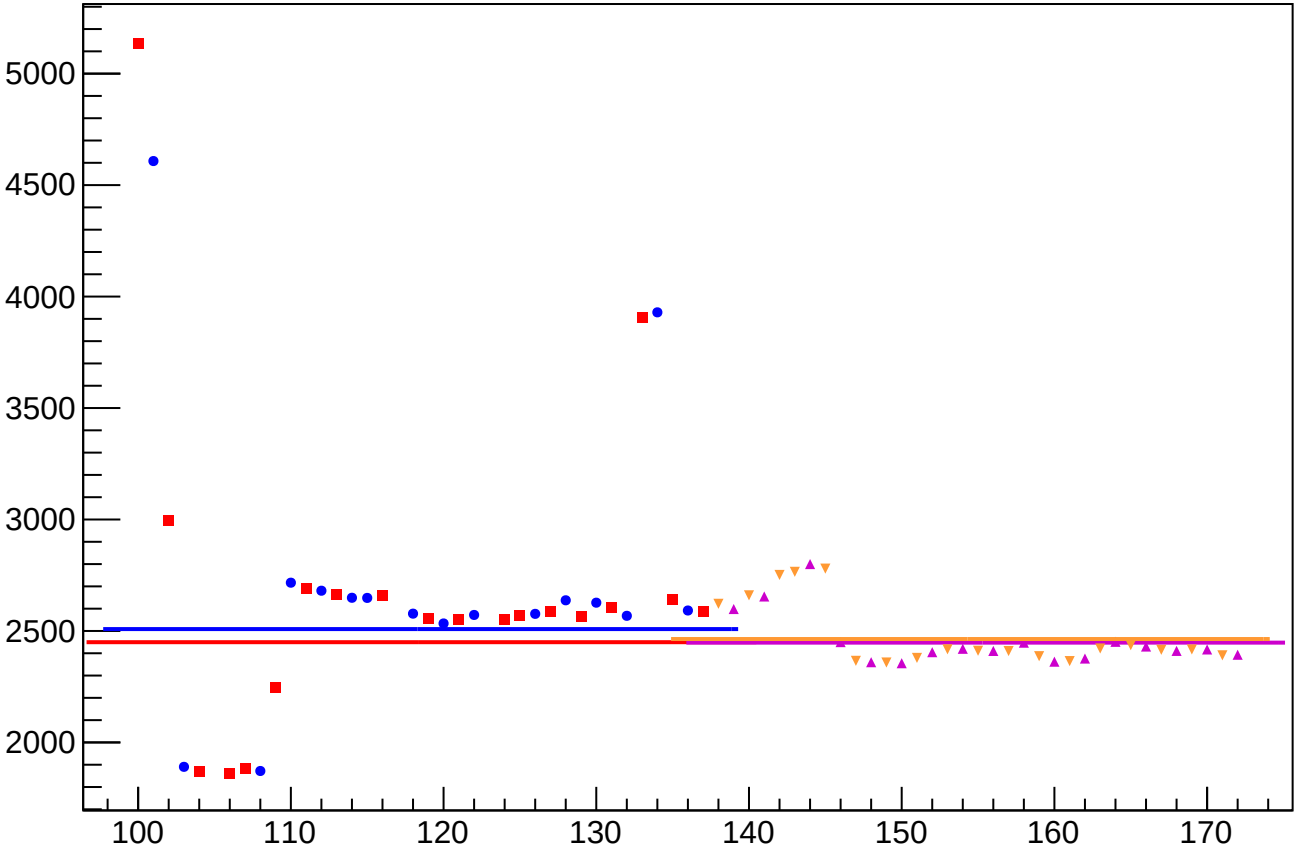
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3790.006+/-539.060 χ^2/NDF:17.0/32

Out: 1186.556+/-533.159 χ^2/NDF:42.7/36

All: 2473.953+/-379.070 χ^2/NDF: 71.4/69

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2463.831+/-0.462 χ^2/NDF:83433.8/17

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2447.661+/-0.462 χ^2/NDF:56450.4/16

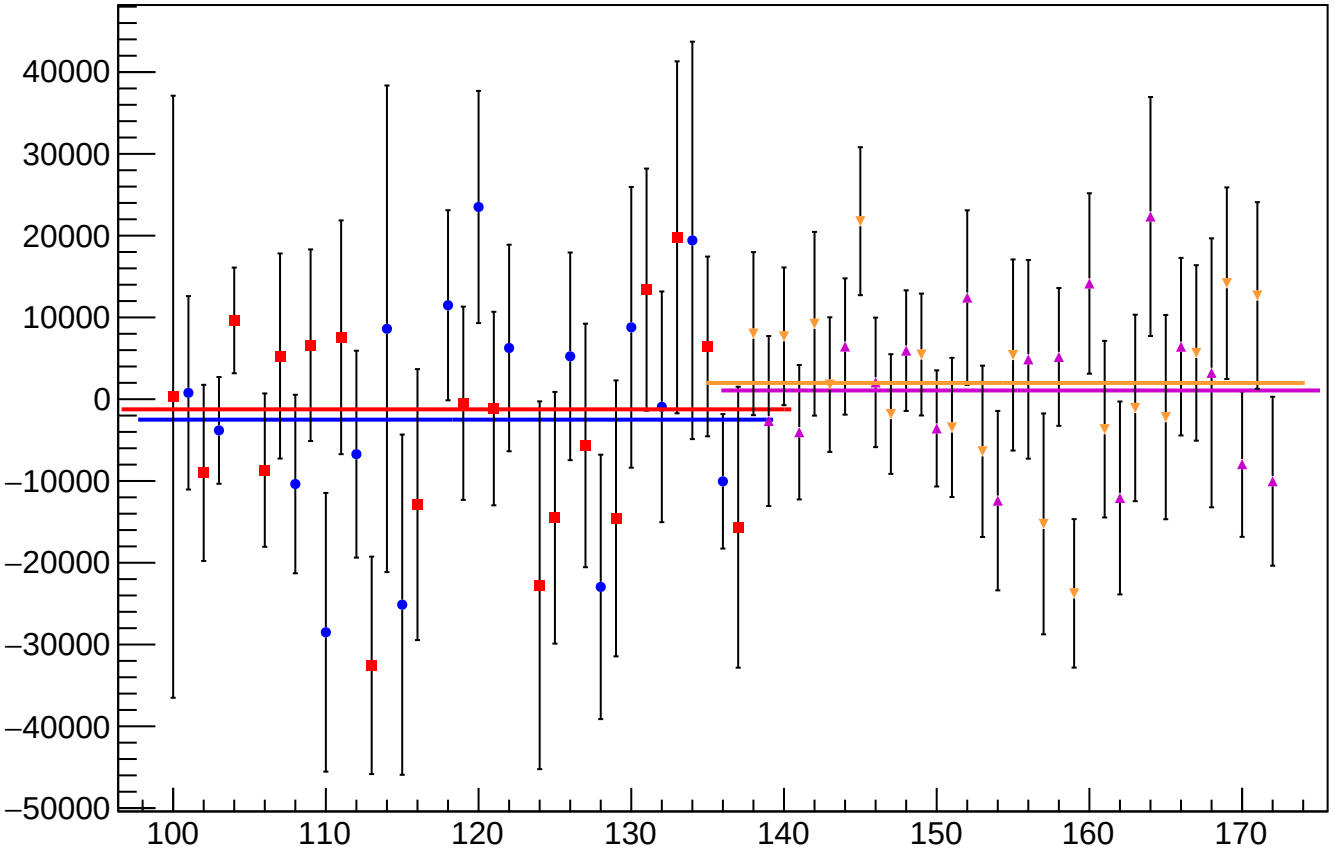
Left: 2455.753+/-0.327 χ^2/NDF: 140496.0/34

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2467.159+/-0.381 χ^2/NDF:673581.2/32

Out: 2459.089+/-0.377 χ^2/NDF:520595.5/36

All: 2463.080+/-0.268 χ^2/NDF: 1194403.3/69



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1986.422+/-2294.664 χ^2/NDF:19.8/17

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 1069.422+/-2325.873 χ^2/NDF:12.0/16

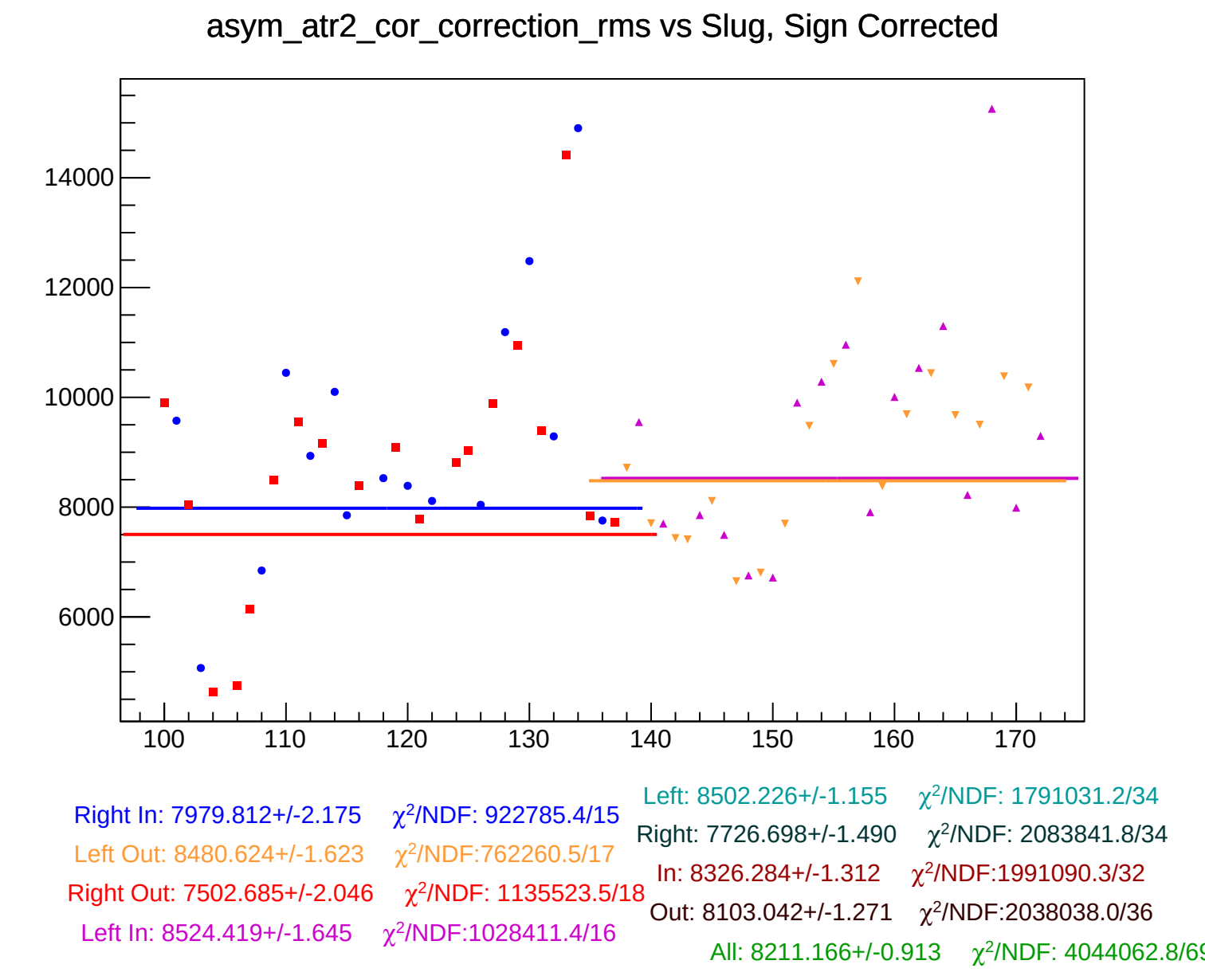
Left: 1534.115+/-1633.495 χ^2/NDF: 31.9/34

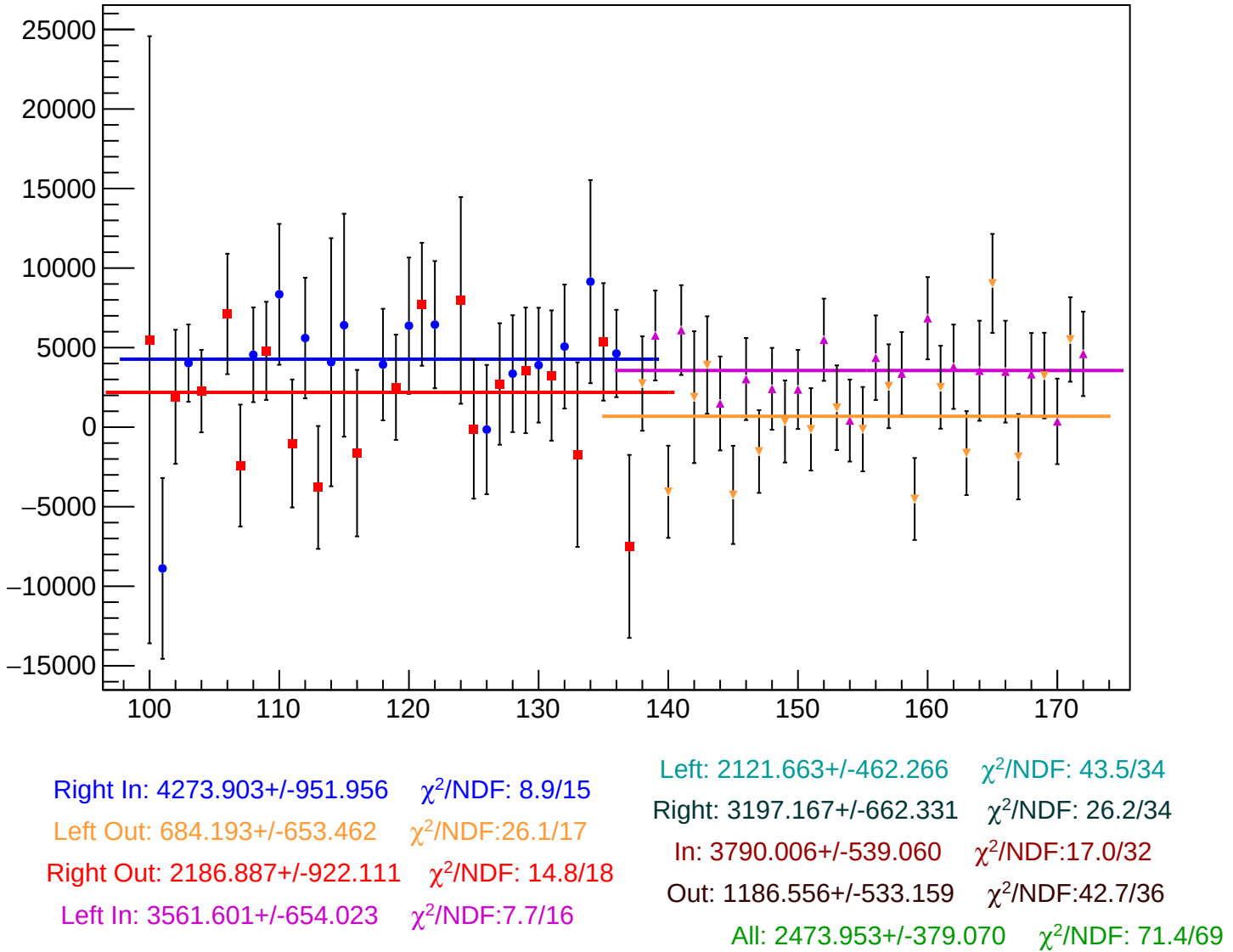
Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -229.318+/-1855.147 χ^2/NDF:26.6/32

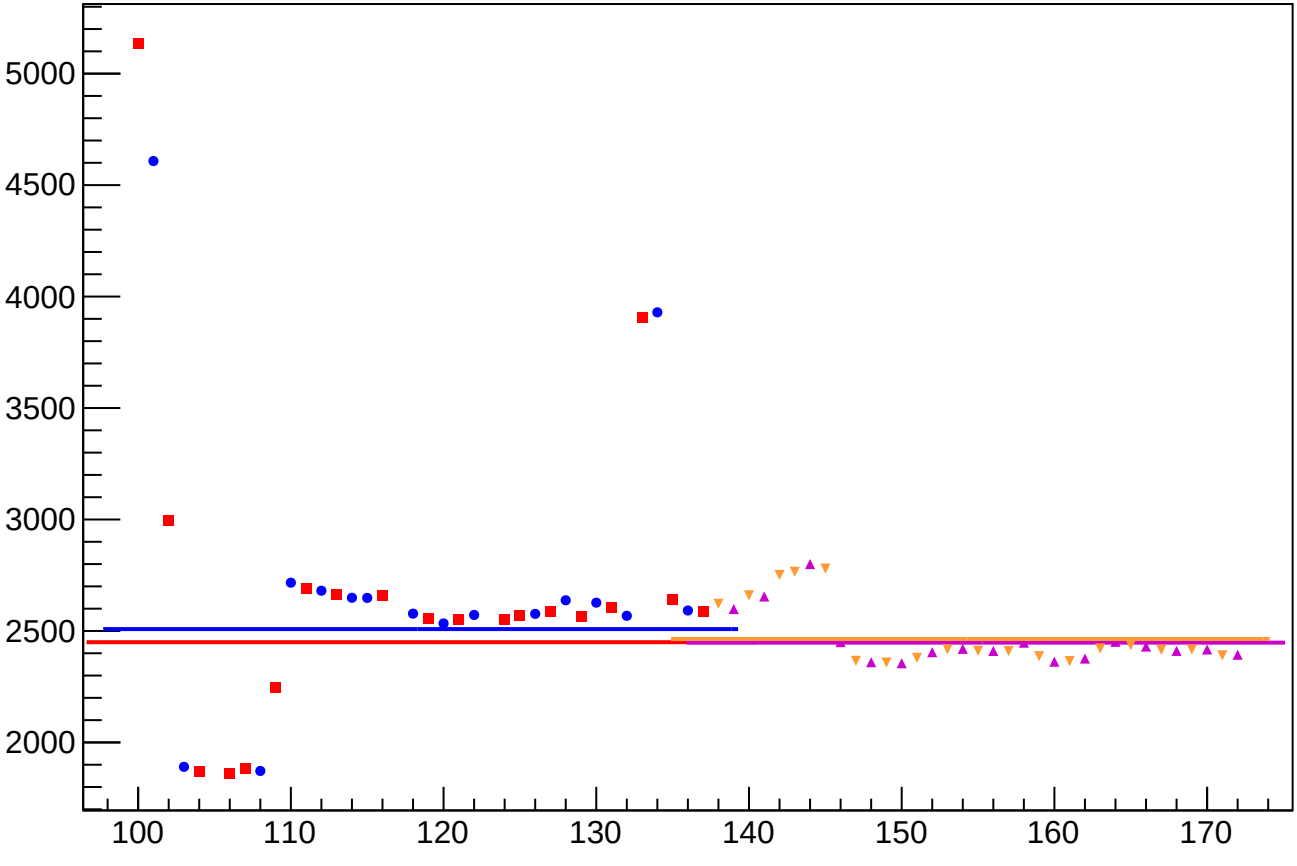
Out: 740.741+/-1797.910 χ^2/NDF:37.2/36

All: 270.907+/-1291.075 χ^2/NDF: 64.0/69


asym_atr2_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: 8480.624+/-1.623 χ²/NDF:762260.5/17
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8524.419+/-1.645 χ²/NDF:1028411.4/16
Left: 8502.226+/-1.155 χ²/NDF: 1791031.2/34
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8326.284+/-1.312 χ²/NDF:1991090.3/32
Out: 8103.042+/-1.271 χ²/NDF:2038038.0/36
All: 8211.166+/-0.913 χ²/NDF: 4044062.8/69


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: 684.193+/-653.462 χ²/NDF:26.1/17
Right Out: 2186.887+/-922.111 χ²/NDF: 14.8/18
Left In: 3561.601+/-654.023 χ²/NDF:7.7/16
Left: 2121.663+/-462.266 χ²/NDF: 43.5/34
Right: 3197.167+/-662.331 χ²/NDF: 26.2/34
In: 3790.006+/-539.060 χ²/NDF:17.0/32
Out: 1186.556+/-533.159 χ²/NDF:42.7/36
All: 2473.953+/-379.070 χ²/NDF: 71.4/69

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2463.831+/-0.462 χ^2/NDF:83433.8/17

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2447.661+/-0.462 χ^2/NDF:56450.4/16

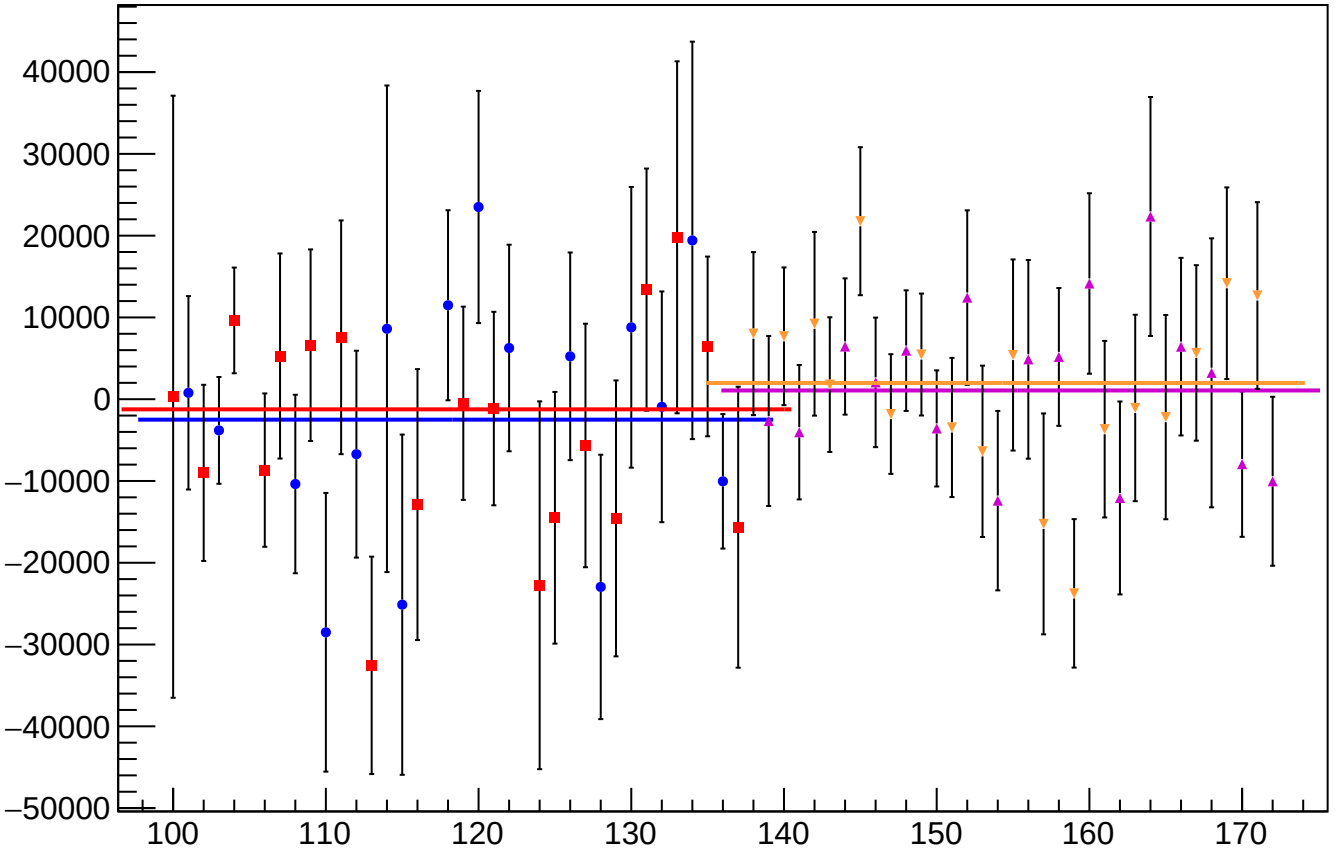
Left: 2455.753+/-0.327 χ^2/NDF: 140496.0/34

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2467.159+/-0.381 χ^2/NDF:673581.2/32

Out: 2459.089+/-0.377 χ^2/NDF:520595.5/36

All: 2463.080+/-0.268 χ^2/NDF: 1194403.3/69



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1986.422+/-2294.664 χ^2/NDF:19.8/17

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 1069.422+/-2325.873 χ^2/NDF:12.0/16

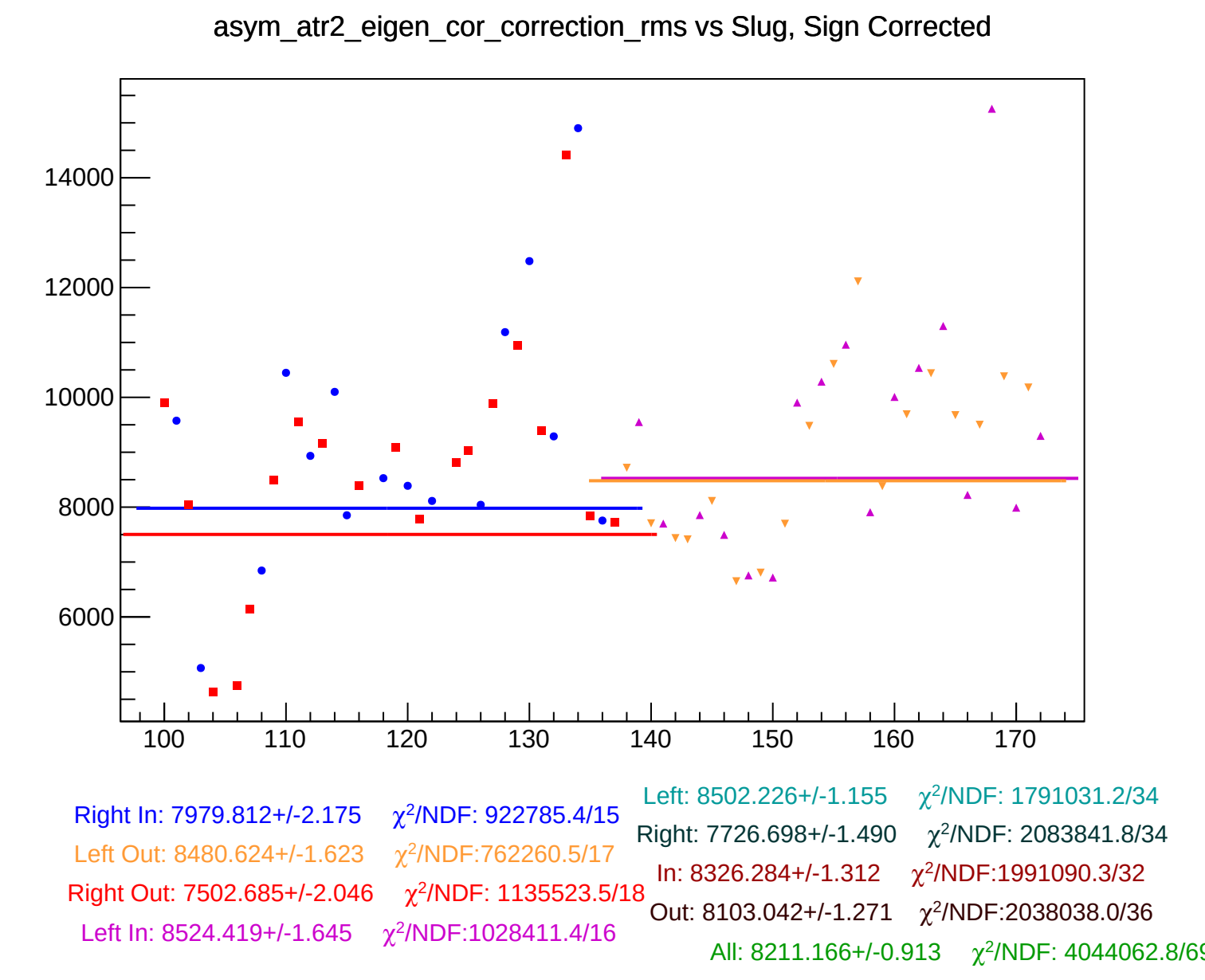
Left: 1534.115+/-1633.495 χ^2/NDF: 31.9/34

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

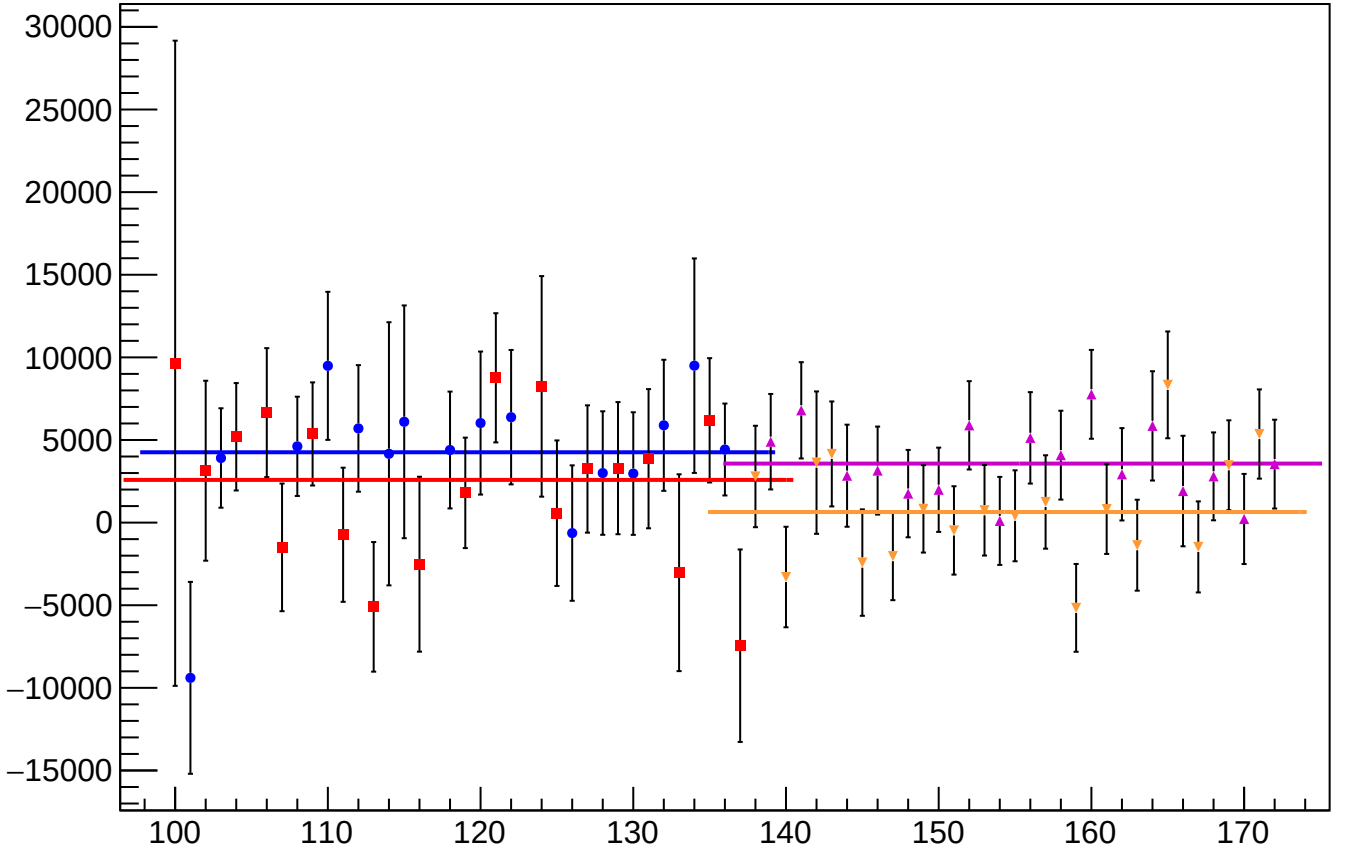
In: -229.318+/-1855.147 χ^2/NDF:26.6/32

Out: 740.741+/-1797.910 χ^2/NDF:37.2/36

All: 270.907+/-1291.075 χ^2/NDF: 64.0/69


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: 8480.624+/-1.623 χ²/NDF:762260.5/17
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8524.419+/-1.645 χ²/NDF:1028411.4/16
Left: 8502.226+/-1.155 χ²/NDF: 1791031.2/34
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8326.284+/-1.312 χ²/NDF:1991090.3/32
Out: 8103.042+/-1.271 χ²/NDF:2038038.0/36
All: 8211.166+/-0.913 χ²/NDF: 4044062.8/69

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 640.752+/-676.349 χ^2/NDF:21.7/17

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: 2108.215+/-477.947 χ^2/NDF: 41.1/34

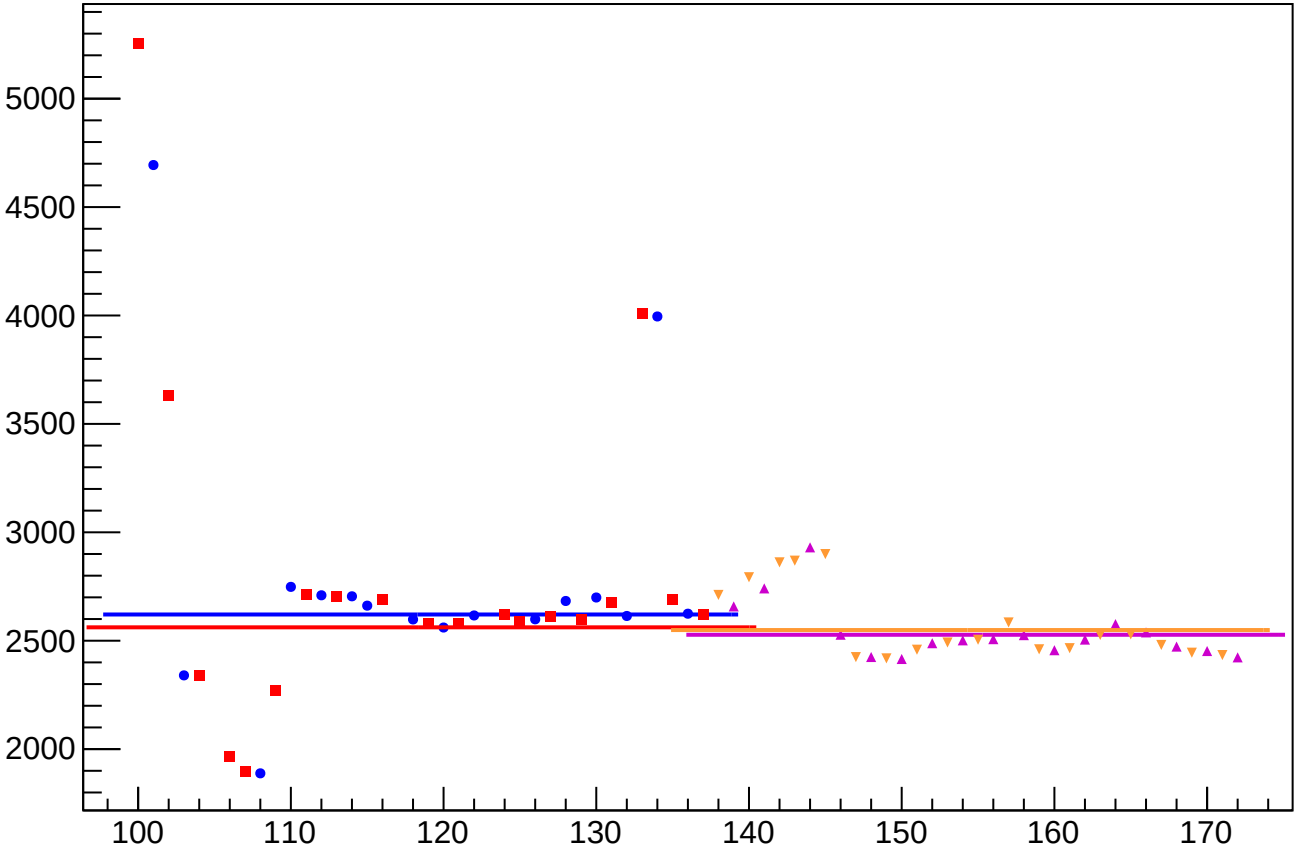
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 3789.396+/-558.076 χ^2/NDF:20.4/32

Out: 1280.179+/-554.056 χ^2/NDF:42.1/36

All: 2525.716+/-393.190 χ^2/NDF: 72.6/69

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2549.188+/-0.478 χ^2/NDF:98327.5/17

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2527.432+/-0.478 χ^2/NDF:63869.5/16

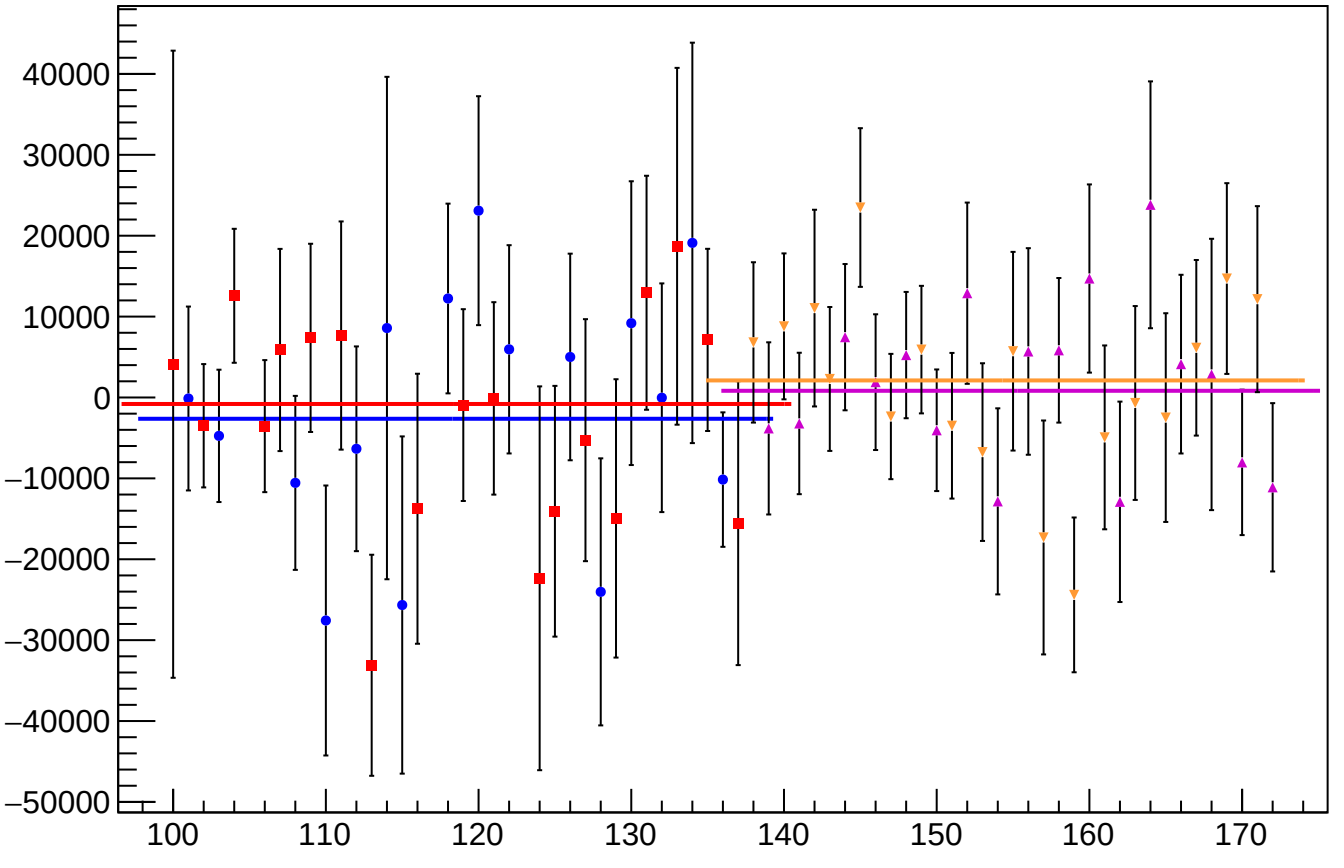
Left: 2538.296+/-0.338 χ^2/NDF: 163233.0/34

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2557.122+/-0.395 χ^2/NDF:561955.3/32

Out: 2553.313+/-0.392 χ^2/NDF:476813.0/36

All: 2555.203+/-0.278 χ^2/NDF: 1038815.2/69



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 2108.383+/-2411.611 χ^2/NDF:19.8/17

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: 827.525+/-2438.416 χ^2/NDF:12.0/16

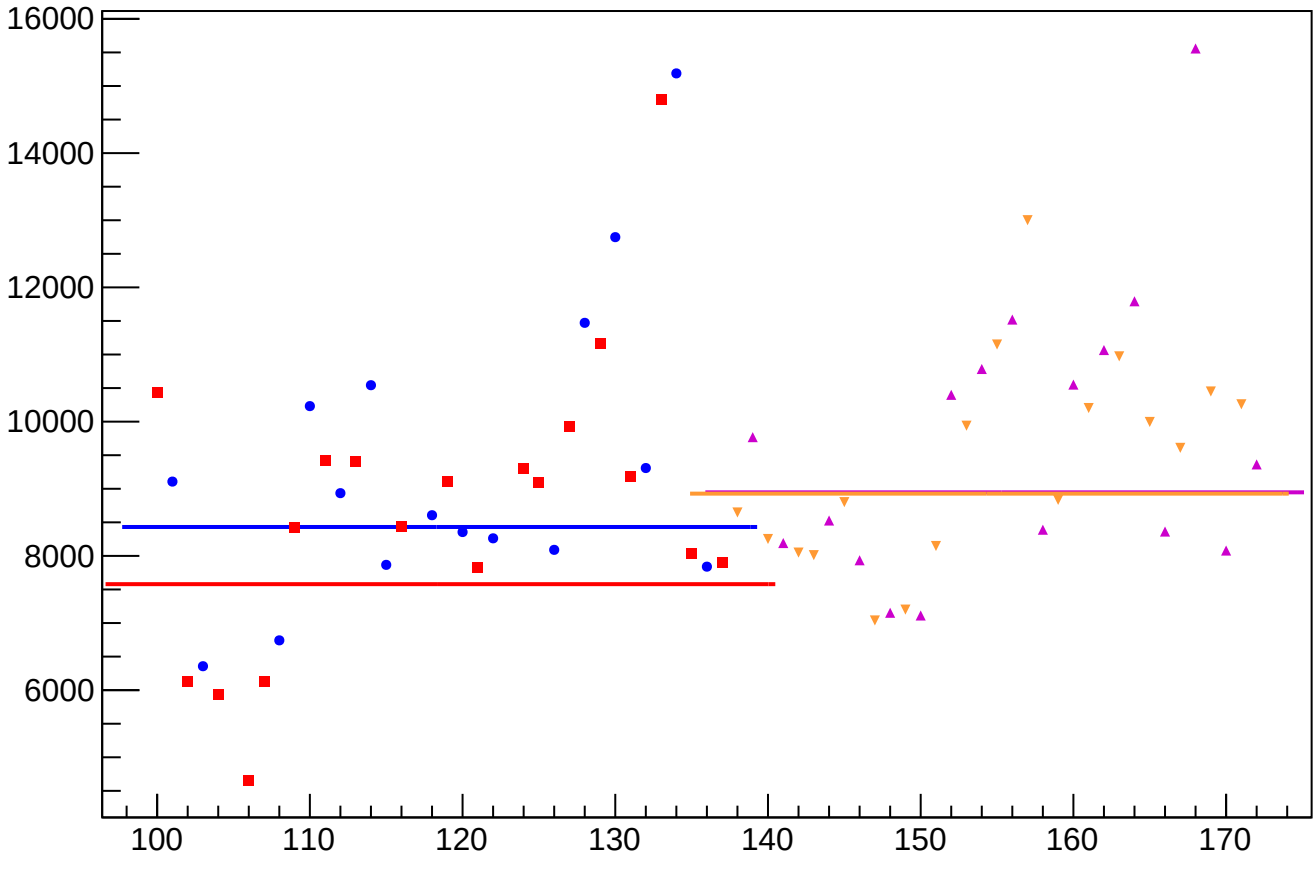
Left: 1475.033+/-1714.665 χ^2/NDF: 32.0/34

Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: -437.535+/-1942.053 χ^2/NDF:26.6/32

Out: 904.973+/-1847.106 χ^2/NDF:35.8/36

All: 267.338+/-1338.409 χ^2/NDF: 62.7/69



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8927.570+/-1.705 χ^2/NDF:681314.1/17

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: 8937.158+/-1.212 χ^2/NDF: 1644466.9/34

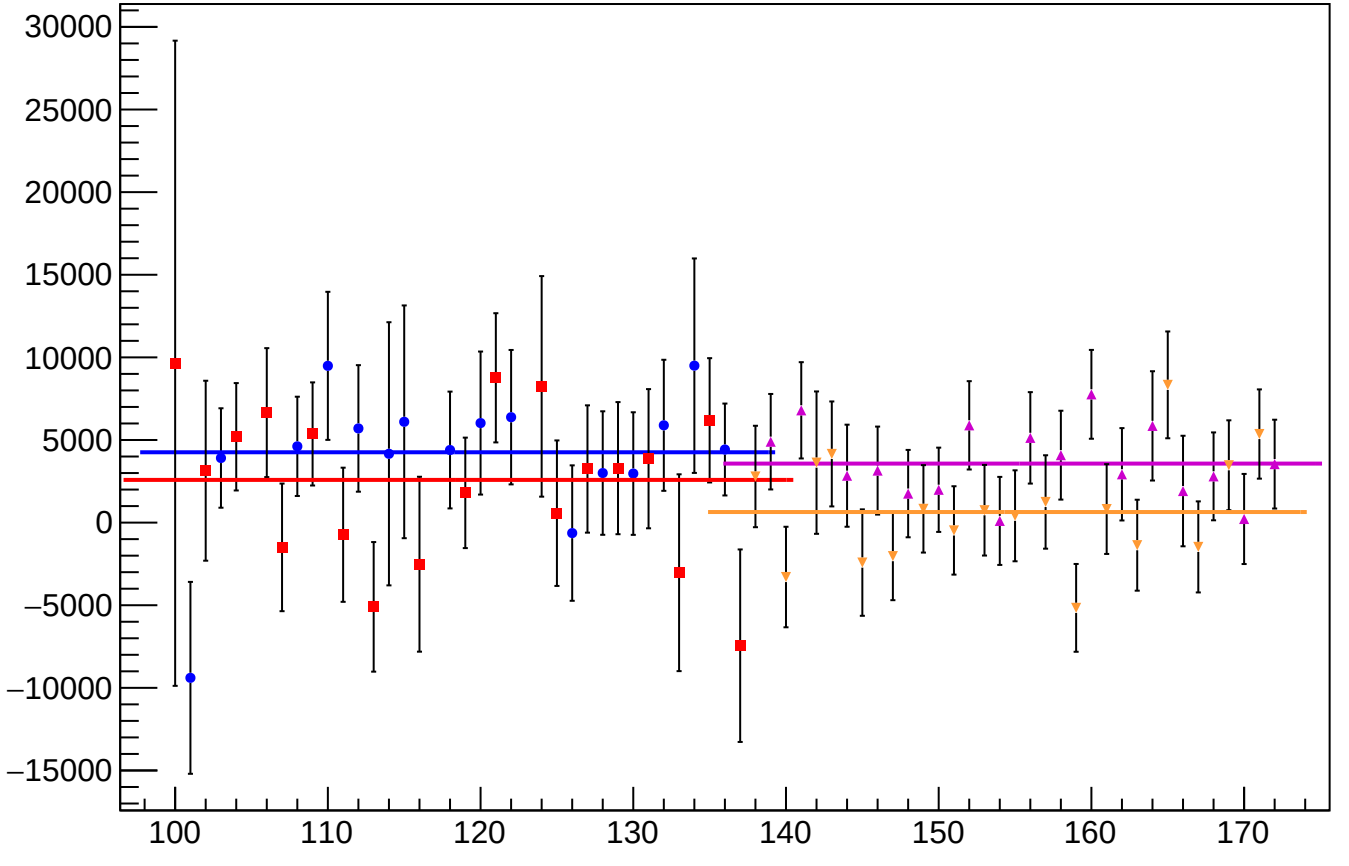
Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

In: 8758.197+/-1.373 χ^2/NDF:1576158.7/32

Out: 8370.167+/-1.306 χ^2/NDF:1913918.5/36

All: 8554.465+/-0.946 χ^2/NDF: 3531998.3/69

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 640.740+/-676.349 χ^2/NDF:21.7/17

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: 2108.211+/-477.947 χ^2/NDF: 41.1/34

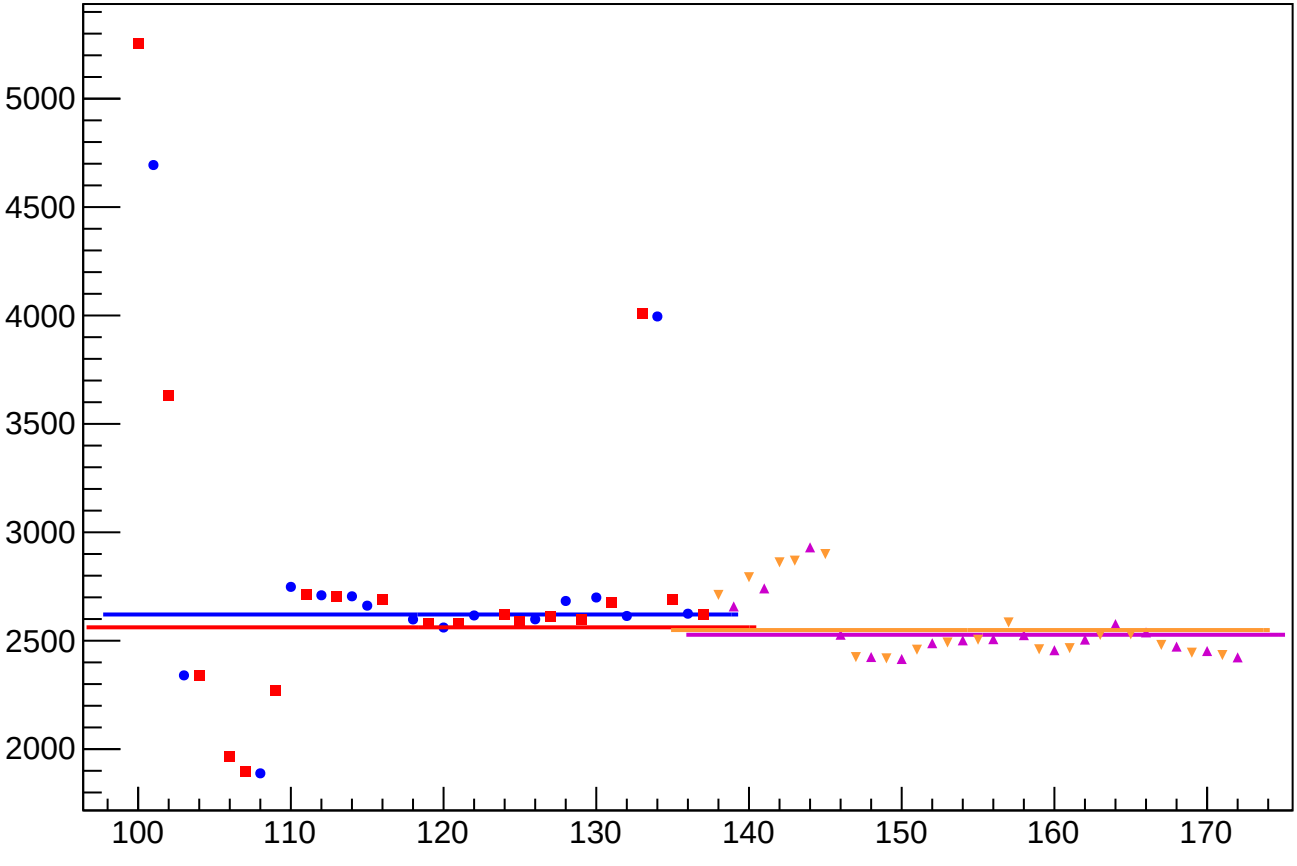
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 3789.402+/-558.077 χ^2/NDF:20.4/32

Out: 1280.175+/-554.056 χ^2/NDF:42.1/36

All: 2525.717+/-393.191 χ^2/NDF: 72.6/69

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2549.190+/-0.478 χ^2/NDF:98327.6/17

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2527.435+/-0.478 χ^2/NDF:63869.4/16

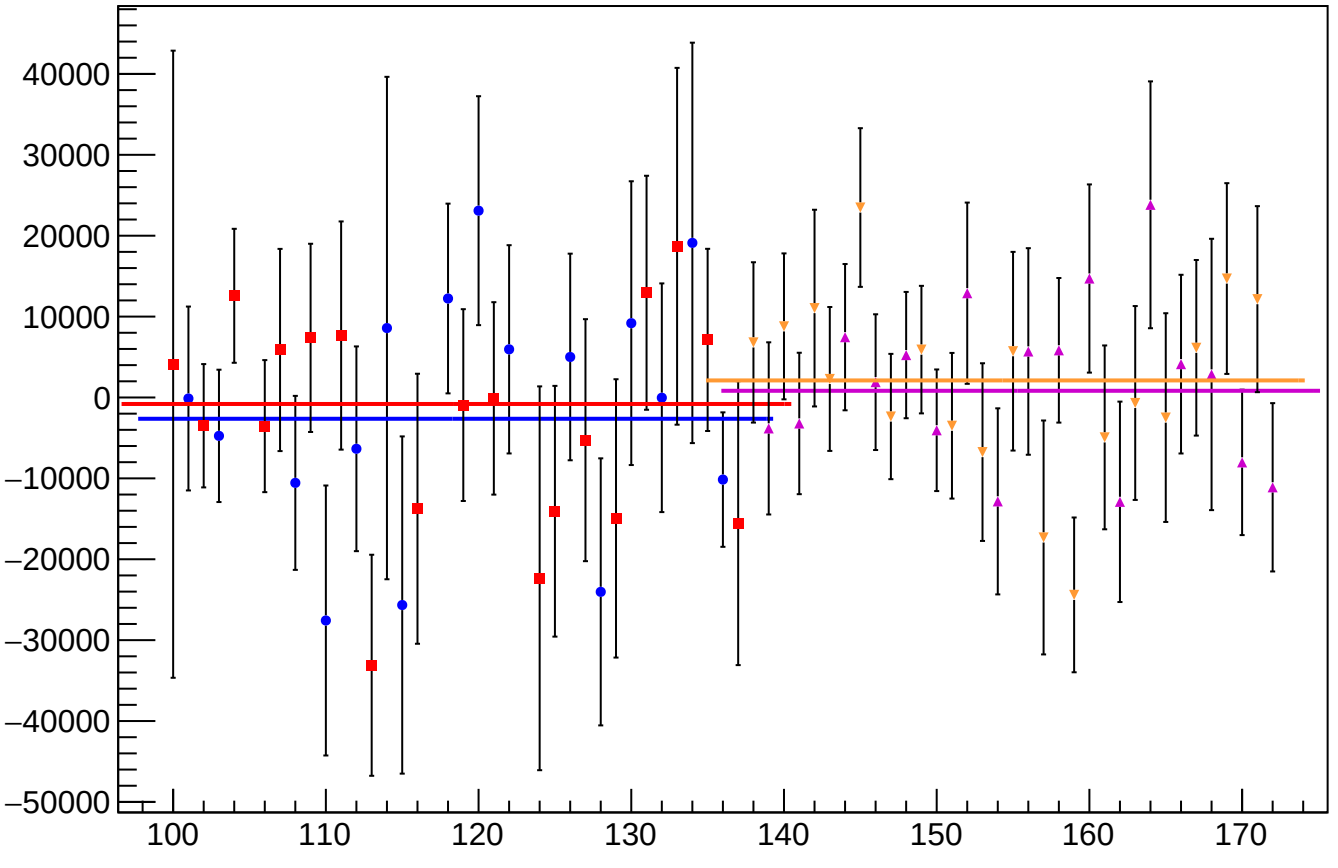
Left: 2538.299+/-0.338 χ^2/NDF: 163233.0/34

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2557.123+/-0.395 χ^2/NDF:561954.6/32

Out: 2553.314+/-0.392 χ^2/NDF:476812.5/36

All: 2555.204+/-0.278 χ^2/NDF: 1038813.9/69



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 2108.380+/-2411.615 χ^2/NDF:19.8/17

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 827.521+/-2438.420 χ^2/NDF:12.0/16

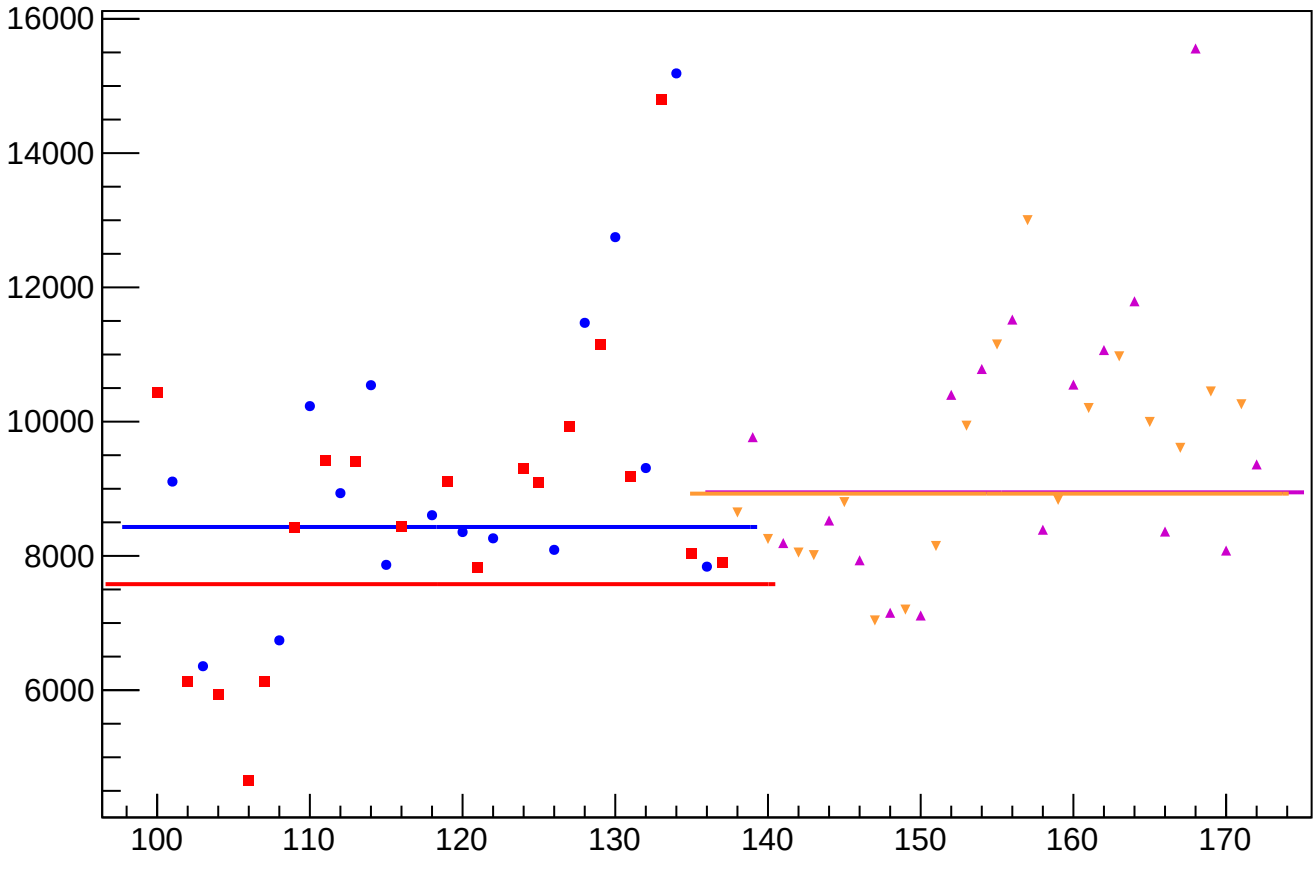
Left: 1475.029+/-1714.668 χ^2/NDF: 32.0/34

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -437.530+/-1942.054 χ^2/NDF:26.6/32

Out: 904.969+/-1847.106 χ^2/NDF:35.8/36

All: 267.338+/-1338.409 χ^2/NDF: 62.7/69



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8927.584+/-1.705 χ^2/NDF:681314.1/17

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: 8937.171+/-1.212 χ^2/NDF: 1644467.8/34

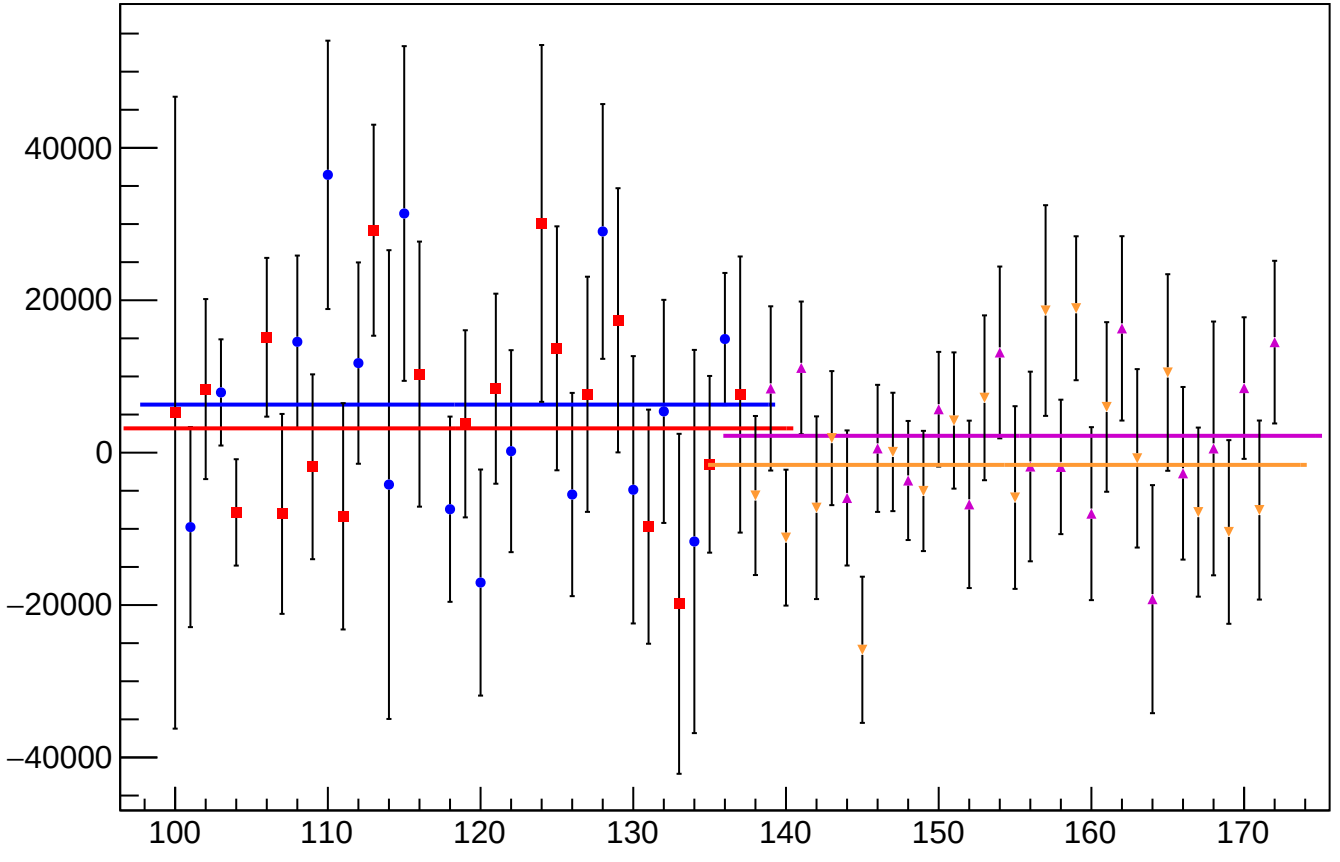
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8758.201+/-1.373 χ^2/NDF:1576156.9/32

Out: 8370.168+/-1.306 χ^2/NDF:1913924.7/36

All: 8554.467+/-0.946 χ^2/NDF: 3532003.2/69

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -1604.378+/-2402.728 χ^2/NDF:18.9/17

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: 280.907+/-1708.856 χ^2/NDF: 31.3/34

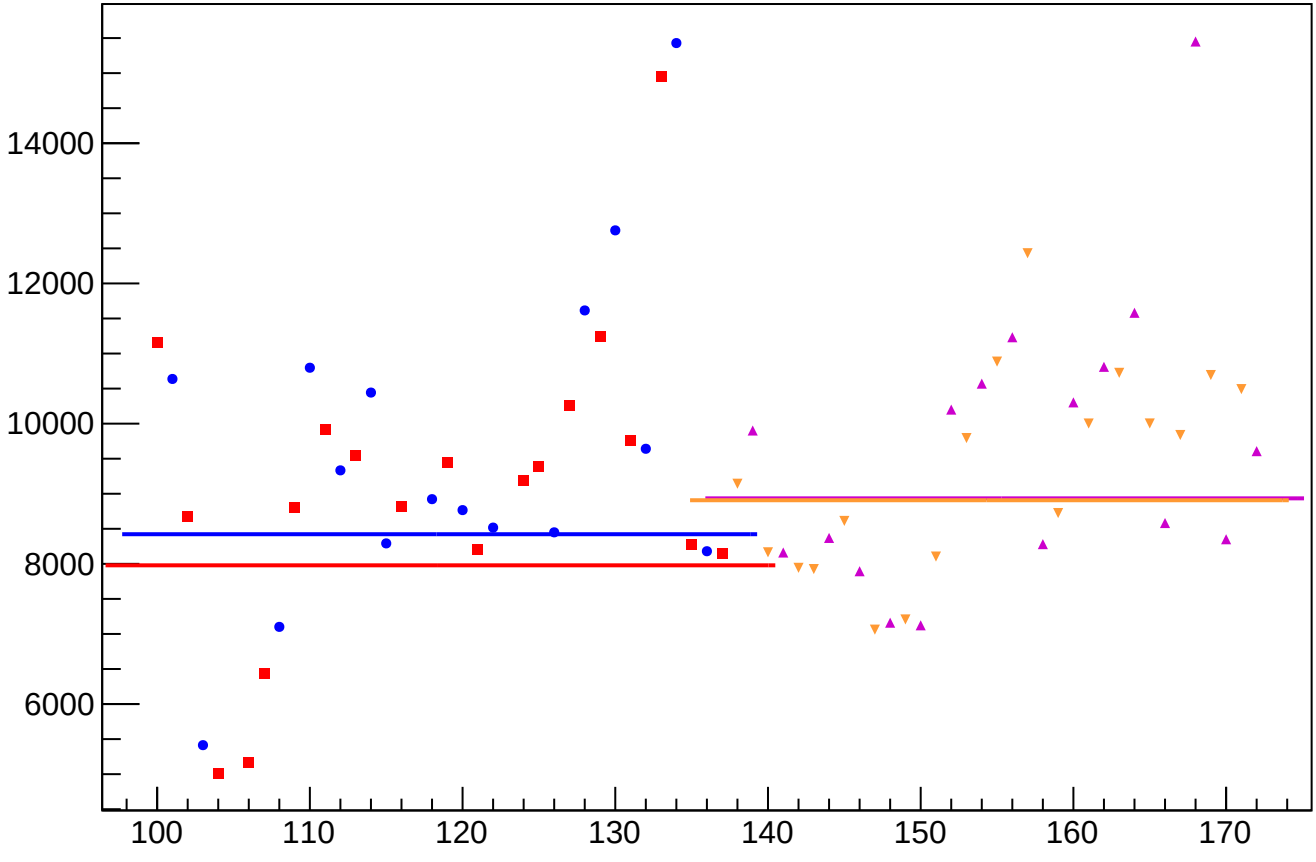
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 3686.215+/-1944.393 χ^2/NDF:27.3/32

Out: 217.563+/-1891.807 χ^2/NDF:34.3/36

All: 1904.351+/-1355.919 χ^2/NDF: 63.2/69

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8907.369+/-1.699 χ^2/NDF:651430.6/17

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 8934.303+/-1.719 χ^2/NDF:901583.8/16

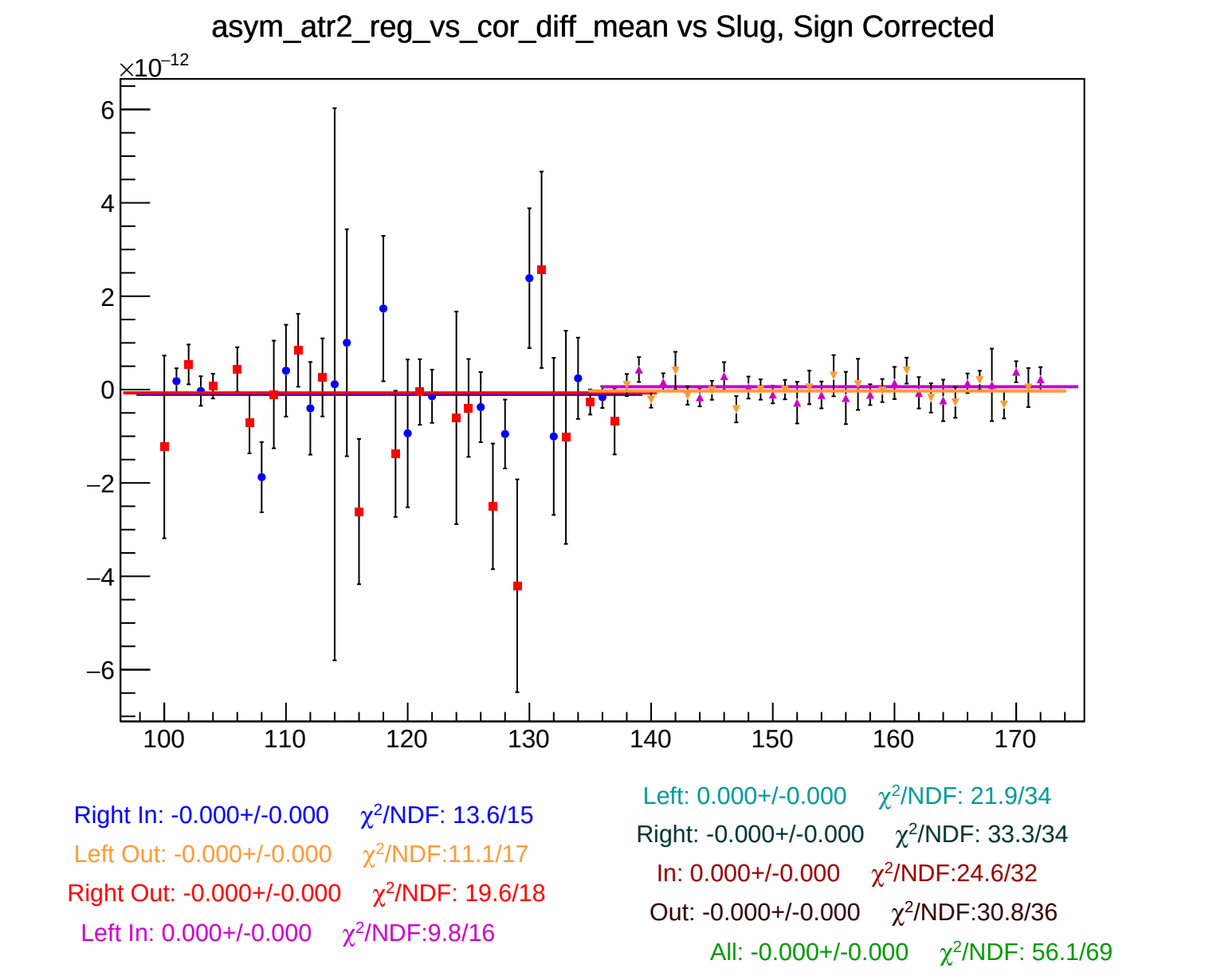
Left: 8920.679+/-1.208 χ^2/NDF: 1553138.6/34

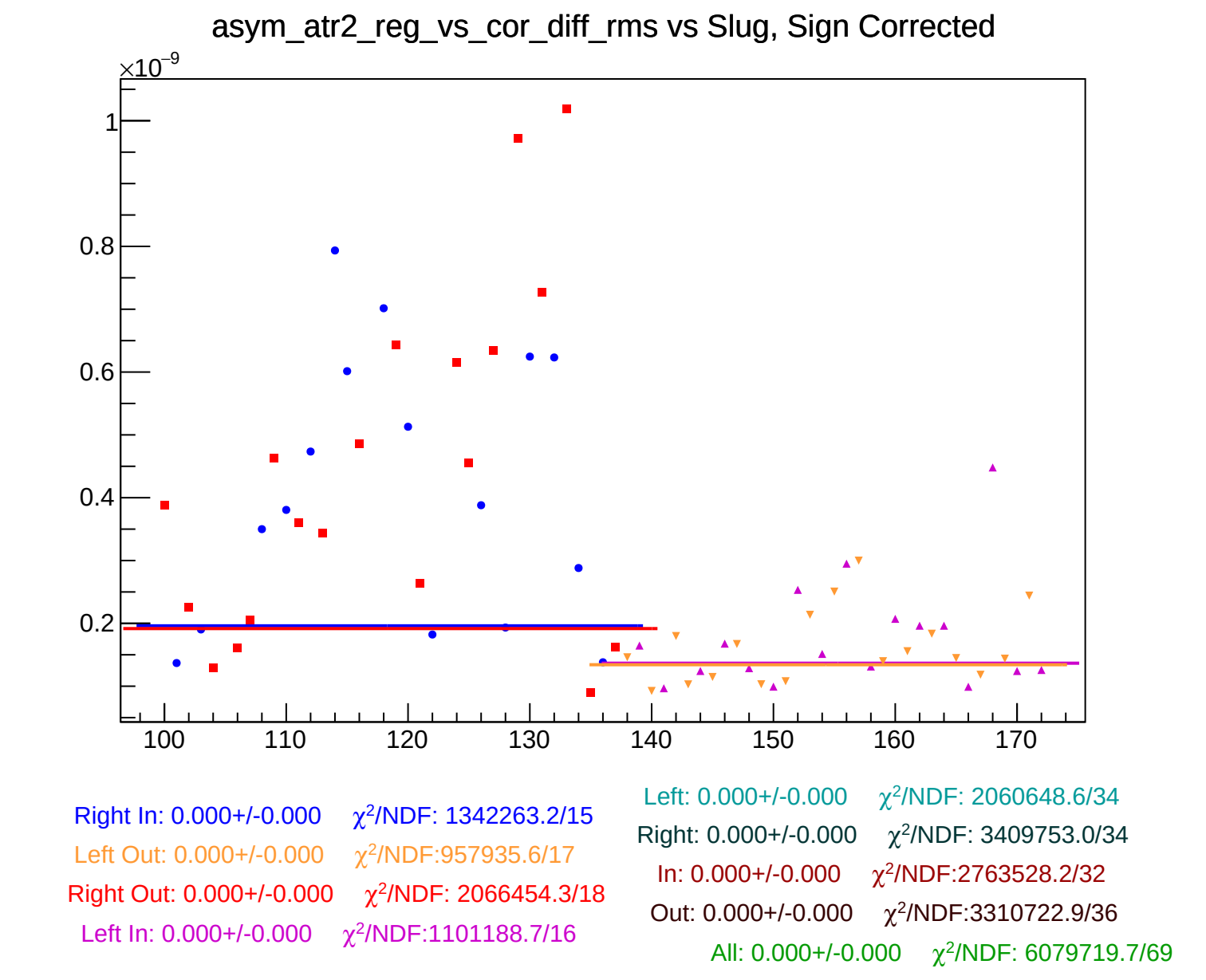
Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

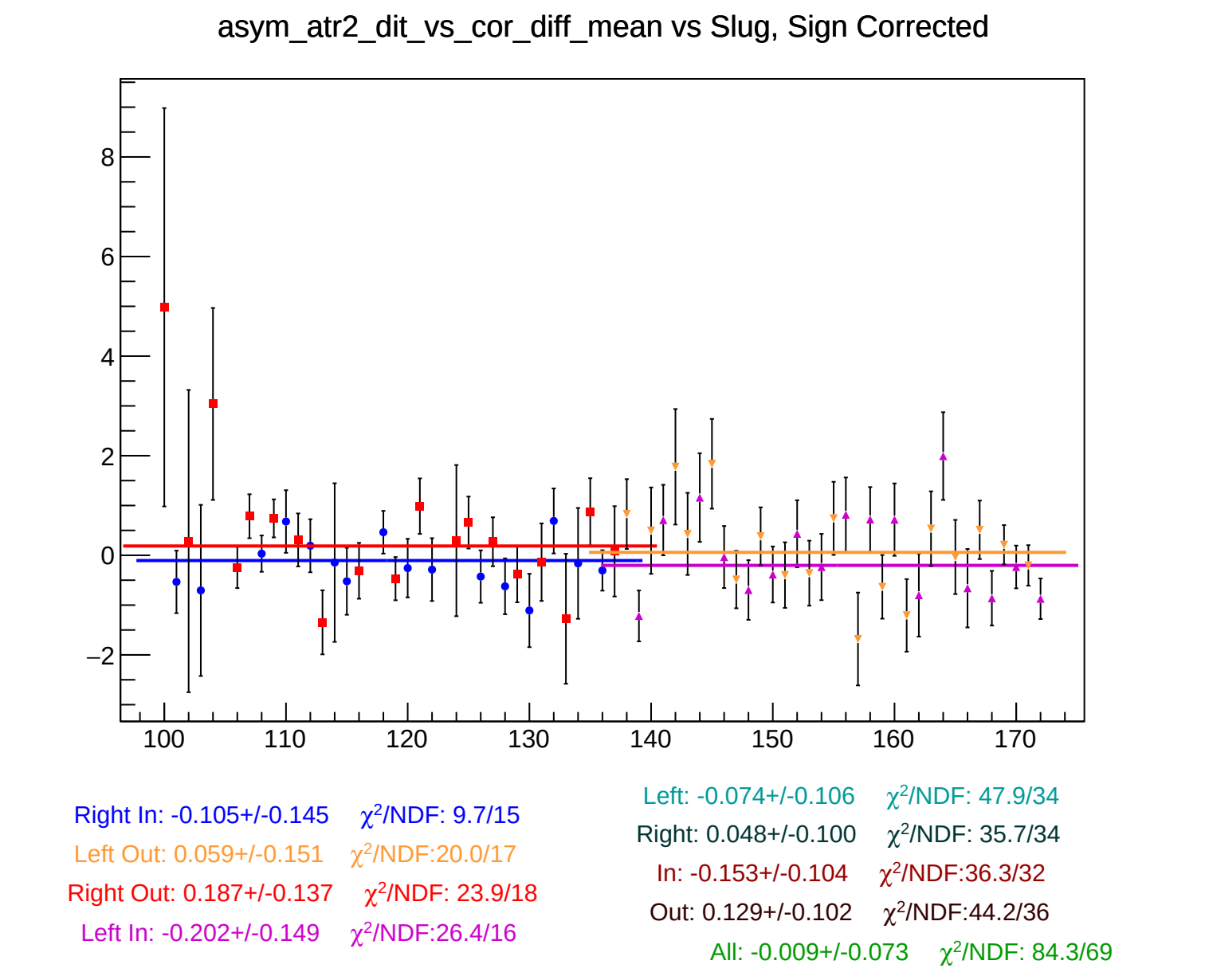
In: 8750.024+/-1.375 χ^2/NDF:1815325.2/32

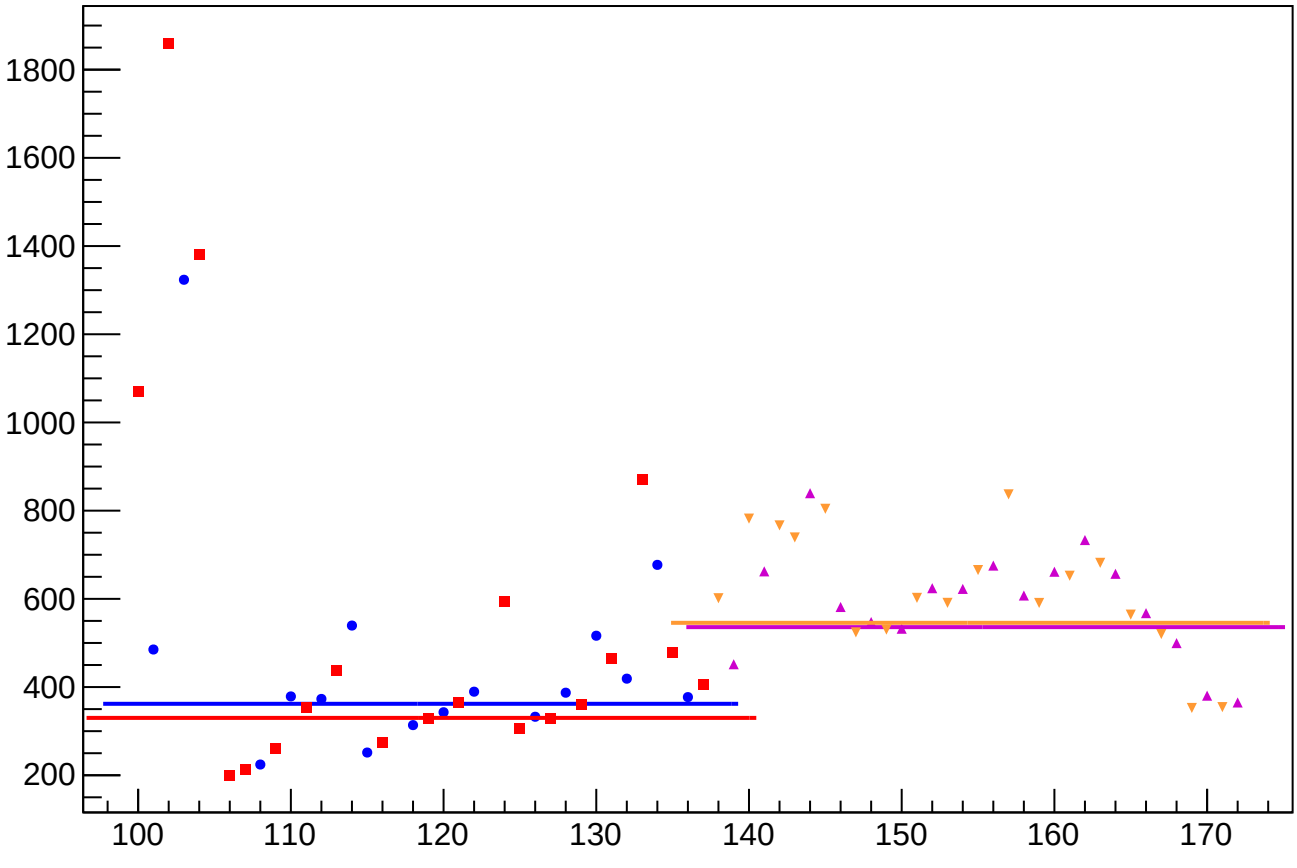
Out: 8554.517+/-1.338 χ^2/NDF:1780933.7/36

All: 8649.590+/-0.959 χ^2/NDF: 3606646.3/69

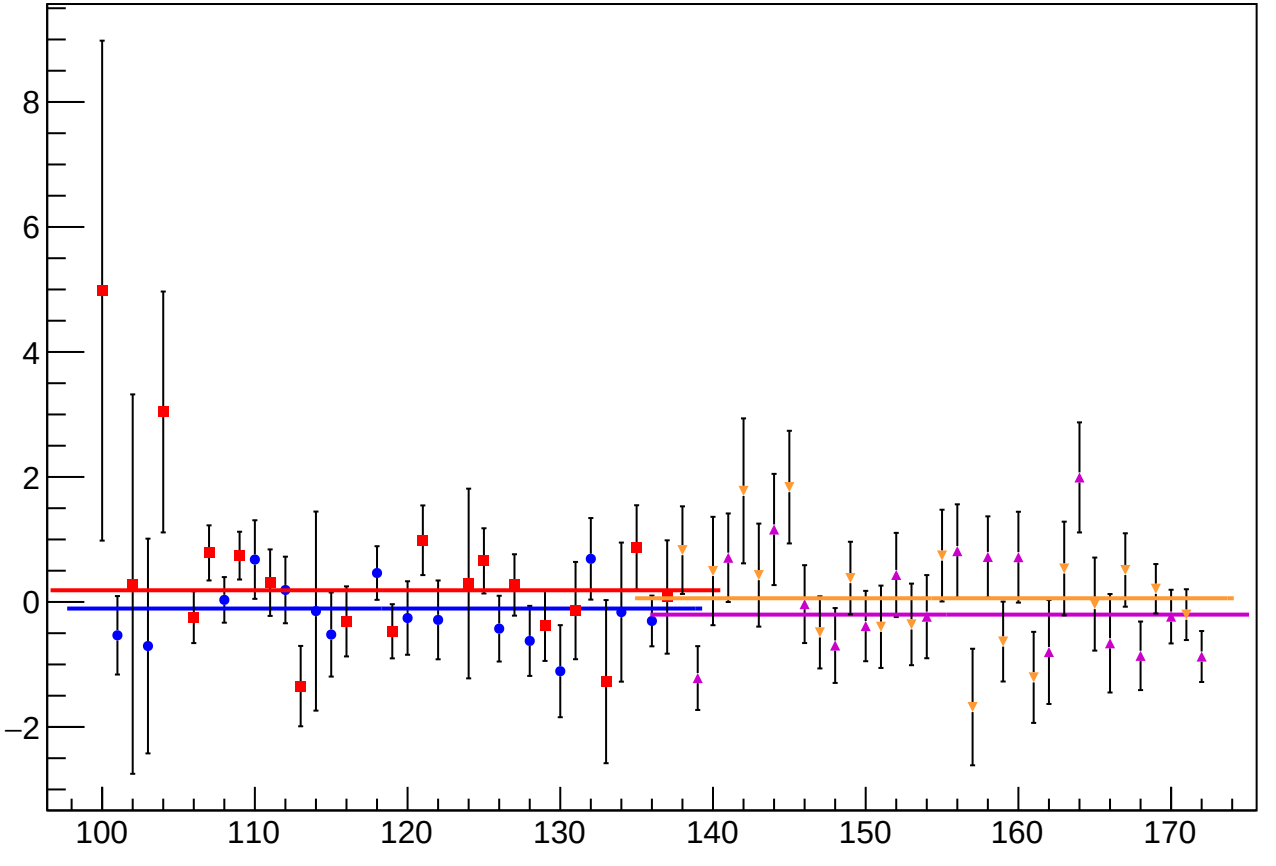

asym_atr2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 13.6/15
Left Out: -0.000+/-0.000 χ²/NDF:11.1/17
Right Out: -0.000+/-0.000 χ²/NDF: 19.6/18
Left In: 0.000+/-0.000 χ²/NDF:9.8/16
Left: 0.000+/-0.000 χ²/NDF: 21.9/34
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:30.8/36
All: -0.000+/-0.000 χ²/NDF: 56.1/69


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:957935.6/17
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: 2060648.6/34
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:3310722.9/36
All: 0.000+/-0.000 χ²/NDF: 6079719.7/69


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: 0.059+/-0.151 χ²/NDF:20.0/17
Right Out: 0.187+/-0.137 χ²/NDF: 23.9/18
Left In: -0.202+/-0.149 χ²/NDF:26.4/16
Left: -0.074+/-0.106 χ²/NDF: 47.9/34
Right: 0.048+/-0.100 χ²/NDF: 35.7/34
In: -0.153+/-0.104 χ²/NDF:36.3/32
Out: 0.129+/-0.102 χ²/NDF:44.2/36
All: -0.009+/-0.073 χ²/NDF: 84.3/69


asym_atr2_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
Right In: 362.037+/-0.102 χ²/NDF: 1377330.2/15
Left Out: 545.682+/-0.107 χ²/NDF:1828249.6/17
Right Out: 330.084+/-0.097 χ²/NDF: 2246513.0/18
Left In: 535.889+/-0.105 χ²/NDF:1360249.3/16
Left: 540.701+/-0.075 χ²/NDF: 3192761.8/34
Right: 345.237+/-0.070 χ²/NDF: 3675129.8/34
In: 446.591+/-0.073 χ²/NDF:4141997.6/32
Out: 427.547+/-0.072 χ²/NDF:6300455.0/36
All: 436.885+/-0.051 χ²/NDF: 10476831.2/69

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: 0.059+/-0.151 χ^2/NDF:20.0/17

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.202+/-0.149 χ^2/NDF:26.4/16

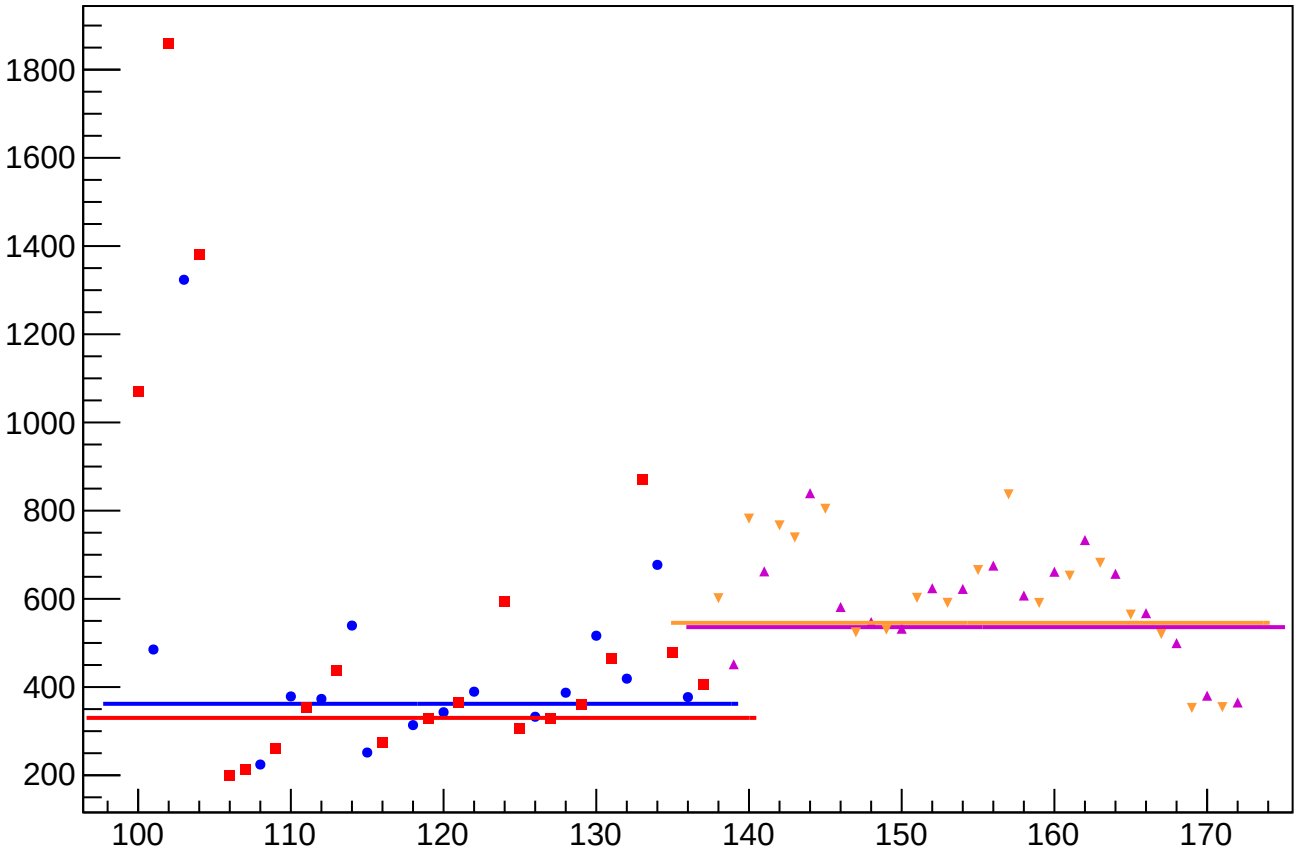
Left: -0.074+/-0.106 χ^2/NDF: 47.9/34

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.153+/-0.104 χ^2/NDF:36.3/32

Out: 0.129+/-0.102 χ^2/NDF:44.2/36

All: -0.009+/-0.073 χ^2/NDF: 84.3/69



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 545.682+/-0.107 χ^2/NDF:1828249.6/17

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 535.889+/-0.105 χ^2/NDF:1360249.3/16

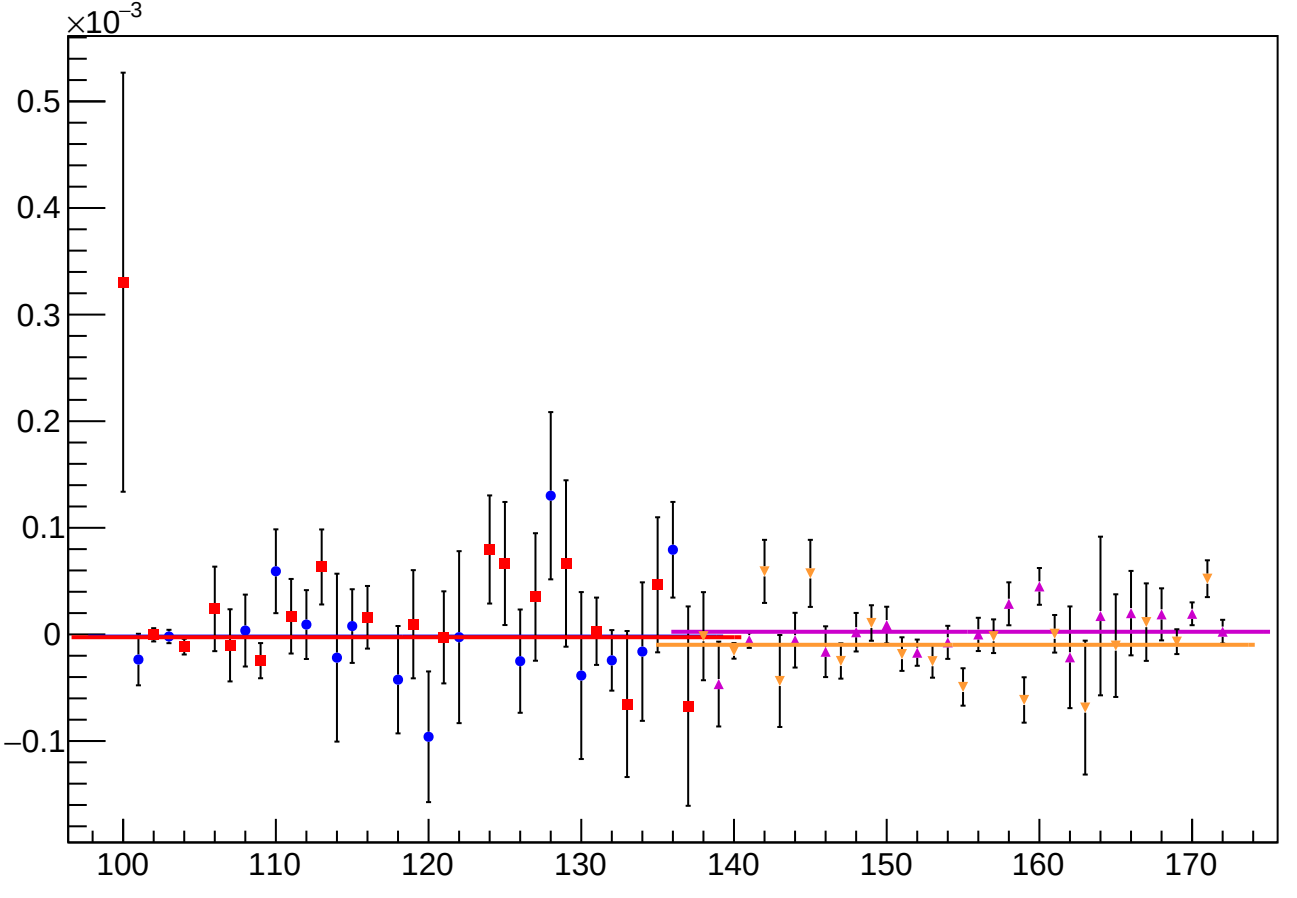
Left: 540.701+/-0.075 χ^2/NDF: 3192761.8/34

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 446.591+/-0.073 χ^2/NDF:4141997.6/32

Out: 427.547+/-0.072 χ^2/NDF:6300455.0/36

All: 436.885+/-0.051 χ^2/NDF: 10476831.2/69



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

Left Out: -0.000+/-0.000 χ^2/NDF:40.6/17

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:17.7/16

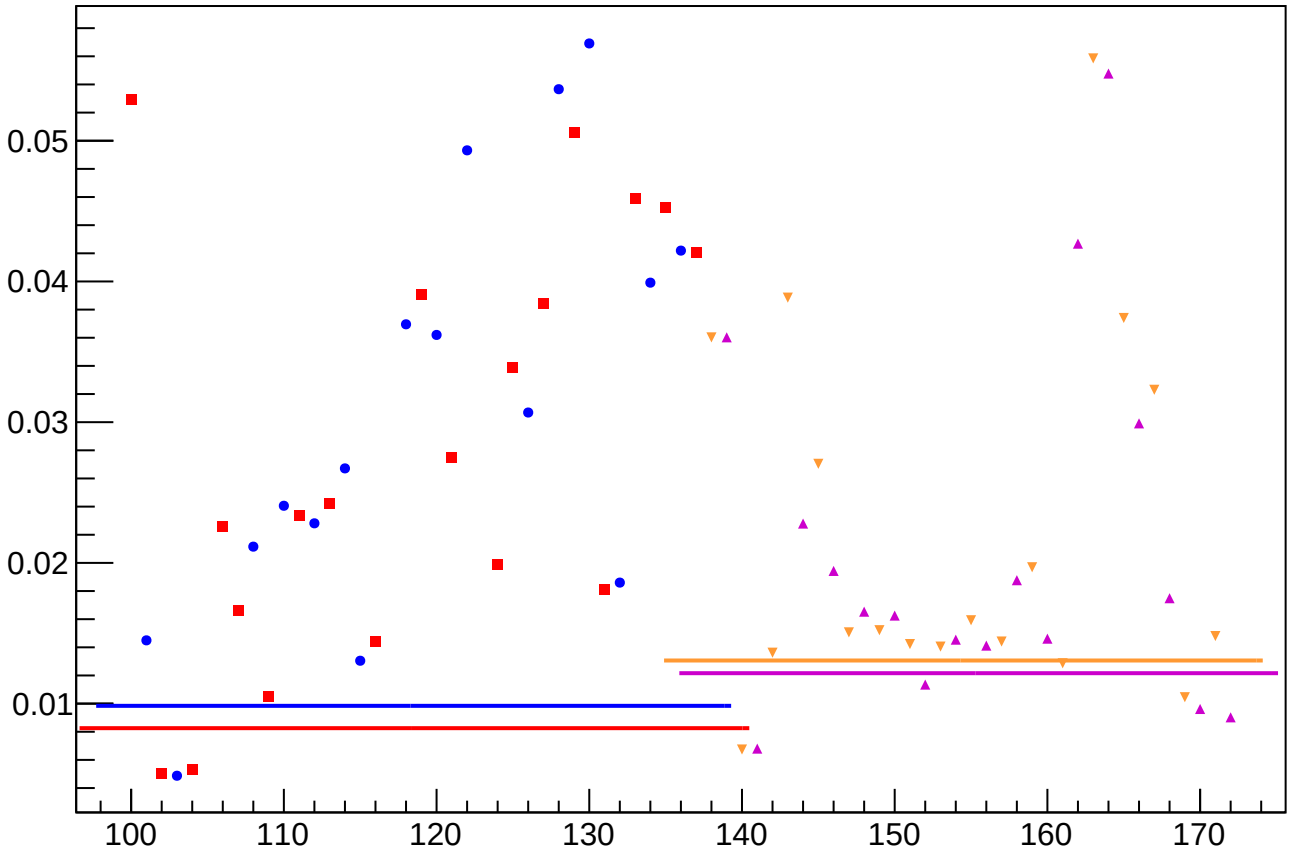
Left: -0.000+/-0.000 χ^2/NDF: 63.2/34

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:60.3/36

All: -0.000+/-0.000 χ^2/NDF: 95.3/69



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.013+/-0.000 χ^2/NDF:5672823.2/17

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: 10889552.1/34

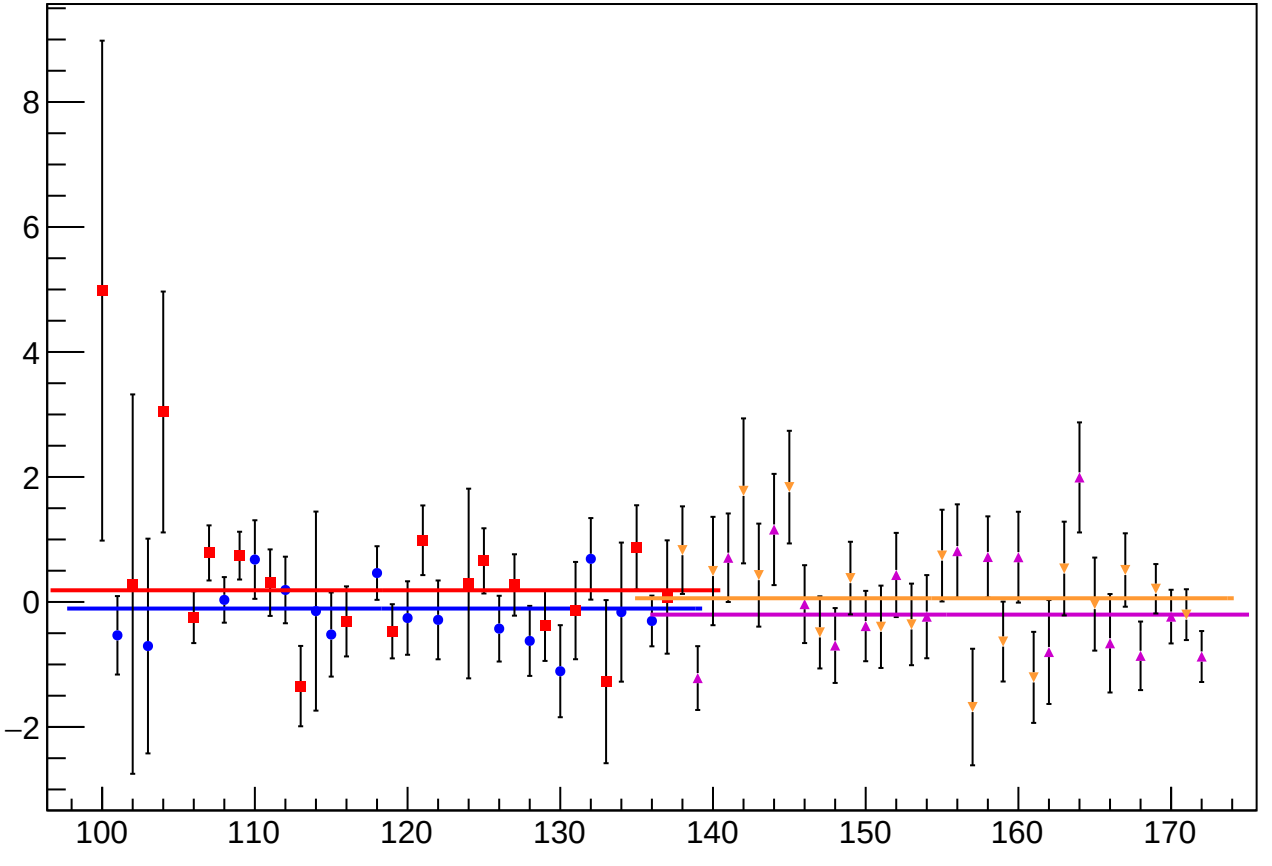
Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.011+/-0.000 χ^2/NDF:12462787.8/32

Out: 0.011+/-0.000 χ^2/NDF:13775213.8/36

All: 0.011+/-0.000 χ^2/NDF: 26279978.5/69

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: 0.059+/-0.151 χ^2/NDF:20.0/17

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.202+/-0.149 χ^2/NDF:26.4/16

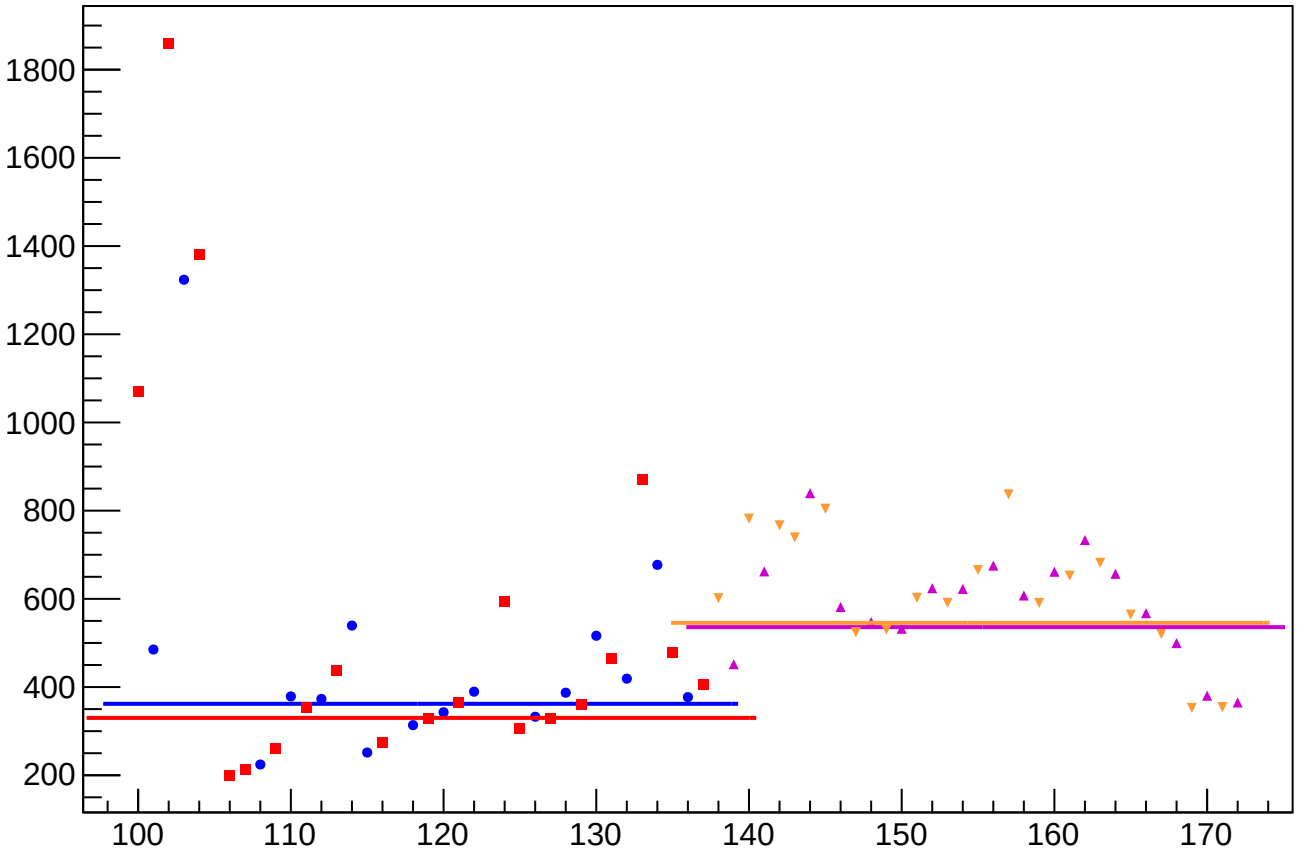
Left: -0.074+/-0.106 χ^2/NDF: 47.9/34

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.153+/-0.104 χ^2/NDF:36.3/32

Out: 0.129+/-0.102 χ^2/NDF:44.2/36

All: -0.009+/-0.073 χ^2/NDF: 84.3/69



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 545.686+/-0.107 χ^2/NDF:1828359.6/17

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: 540.706+/-0.075 χ^2/NDF: 3192907.2/34

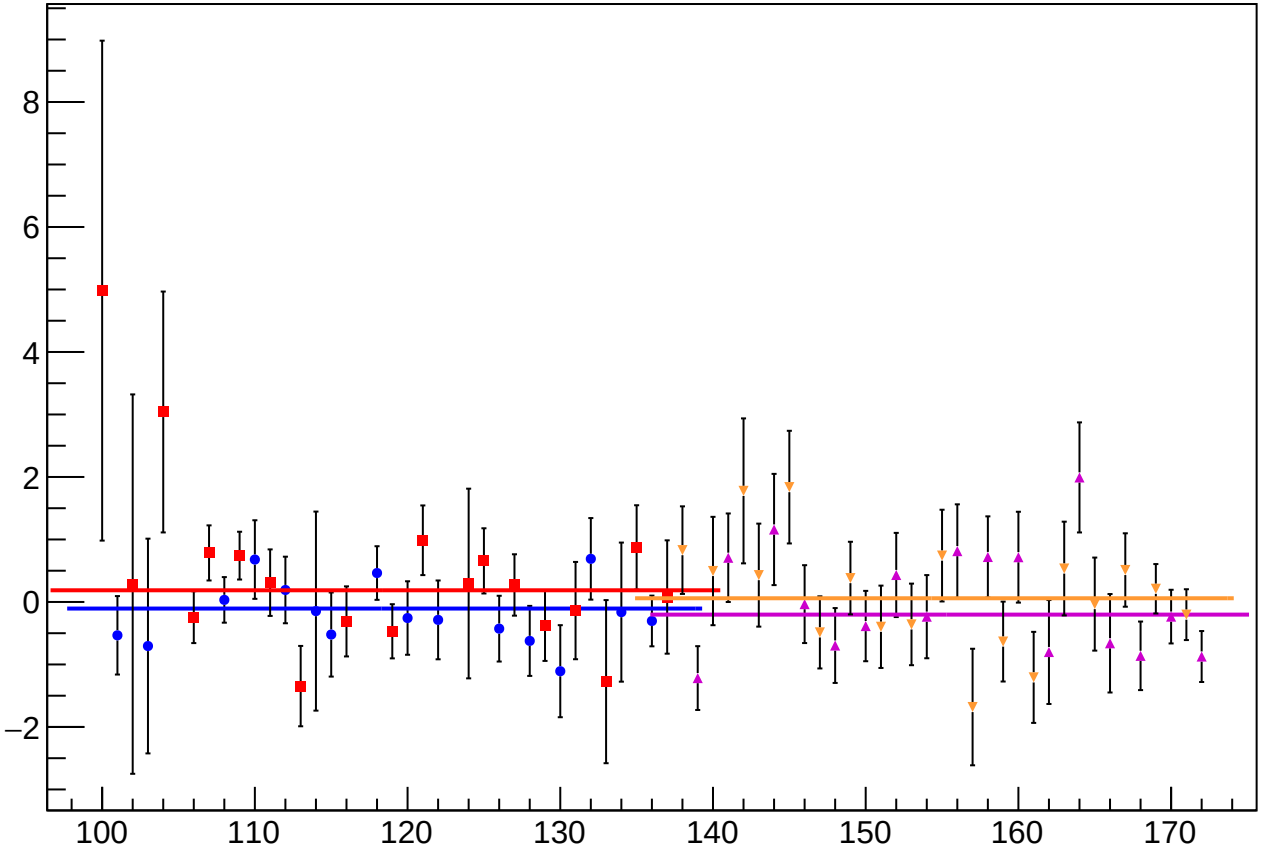
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 446.591+/-0.073 χ^2/NDF:4142177.3/32

Out: 427.546+/-0.072 χ^2/NDF:6300654.8/36

All: 436.885+/-0.051 χ^2/NDF: 10477211.9/69

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: 0.059+/-0.151 χ^2/NDF:20.0/17

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.202+/-0.149 χ^2/NDF:26.4/16

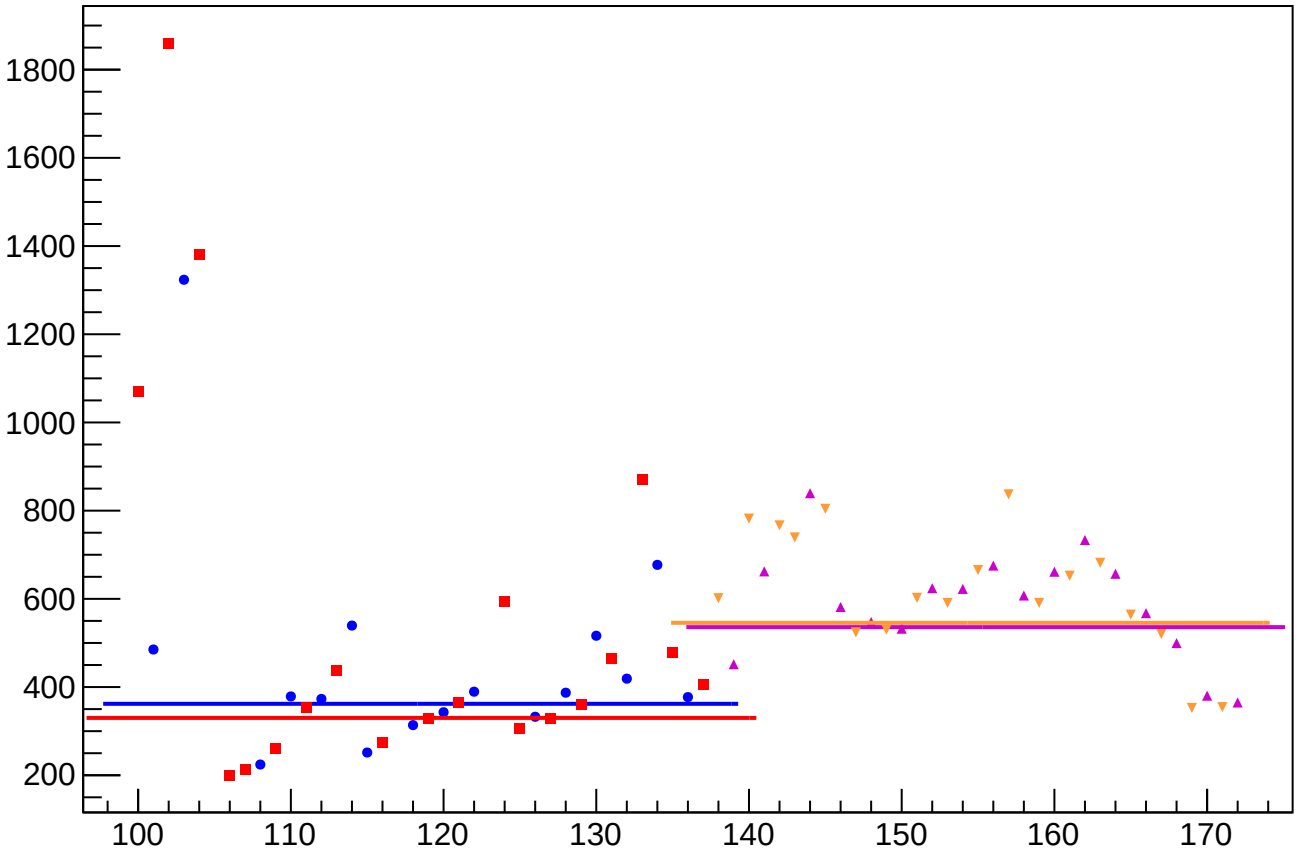
Left: -0.074+/-0.106 χ^2/NDF: 47.9/34

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.153+/-0.104 χ^2/NDF:36.3/32

Out: 0.129+/-0.102 χ^2/NDF:44.2/36

All: -0.009+/-0.073 χ^2/NDF: 84.3/69



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 545.686+/-0.107 χ^2/NDF:1828359.6/17

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 535.896+/-0.105 χ^2/NDF:1360287.0/16

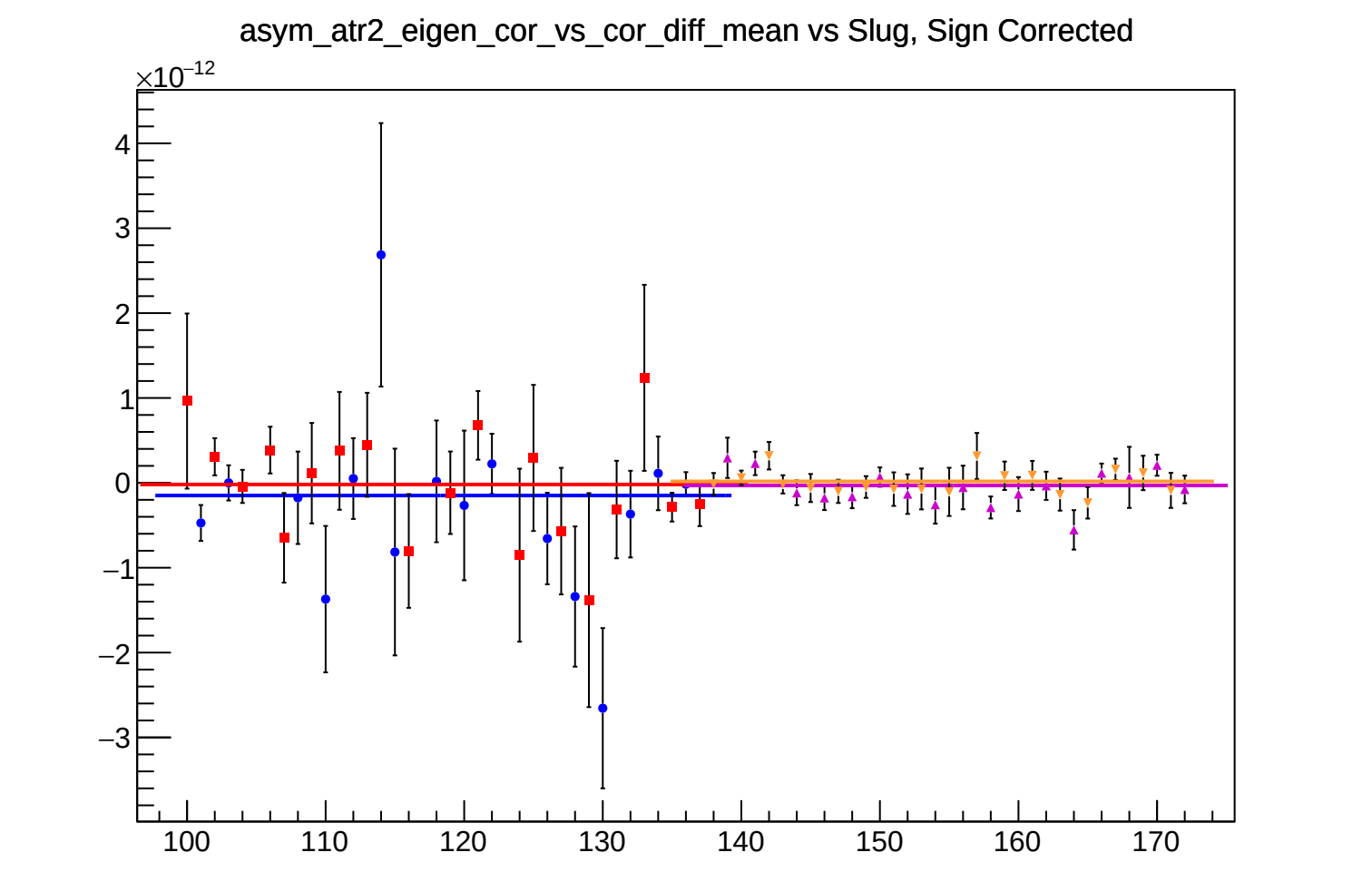
Left: 540.706+/-0.075 χ^2/NDF: 3192907.2/34

Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 446.591+/-0.073 χ^2/NDF:4142177.3/32

Out: 427.546+/-0.072 χ^2/NDF:6300654.8/36

All: 436.885+/-0.051 χ^2/NDF: 10477211.9/69



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

Left Out: 0.000+/-0.000 χ^2/NDF:11.5/17

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:24.5/16

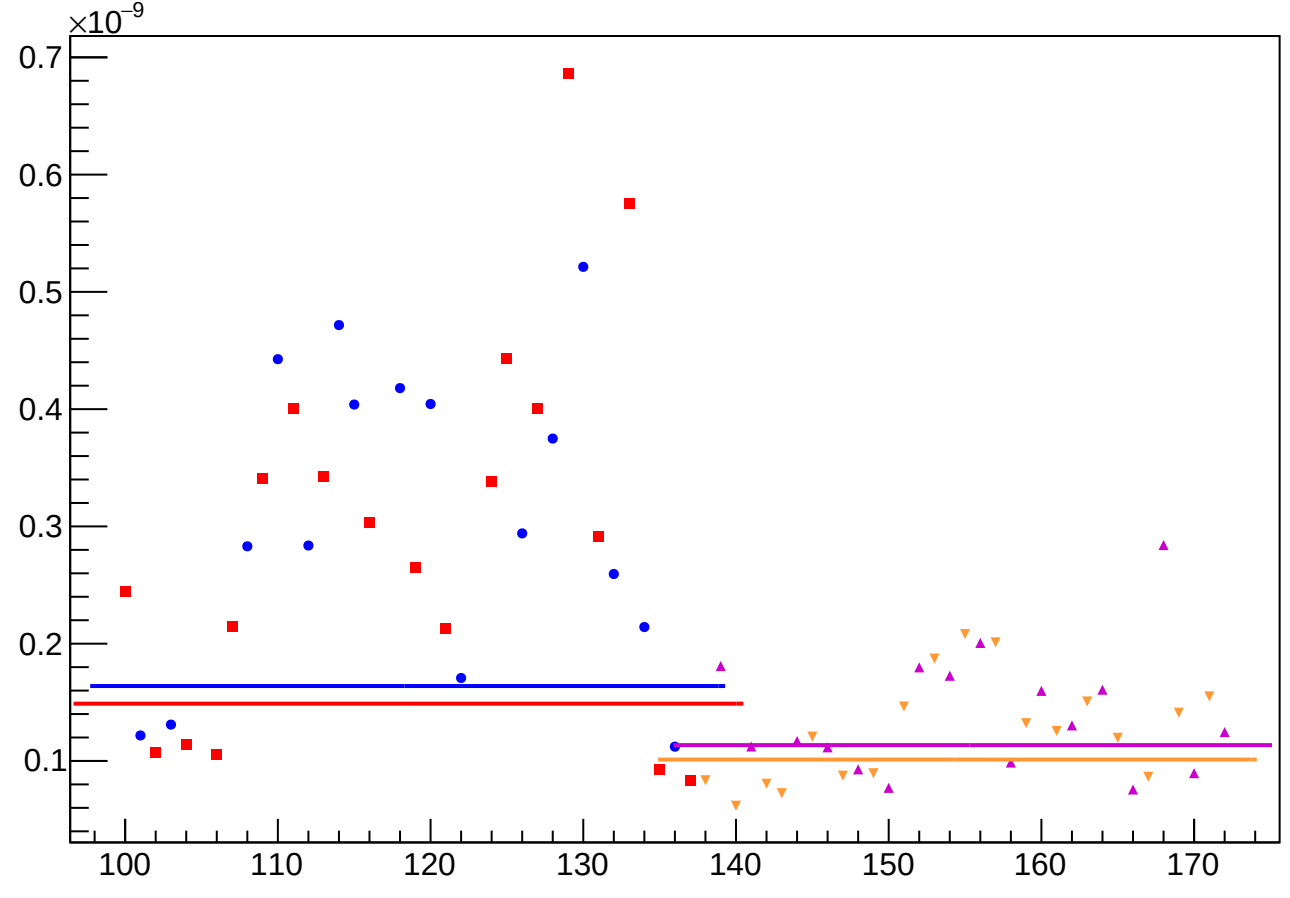
Left: -0.000+/-0.000 χ^2/NDF: 36.9/34

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:31.1/36

All: -0.000+/-0.000 χ^2/NDF: 80.1/69



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2125053.2/17

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: 4172886.3/34

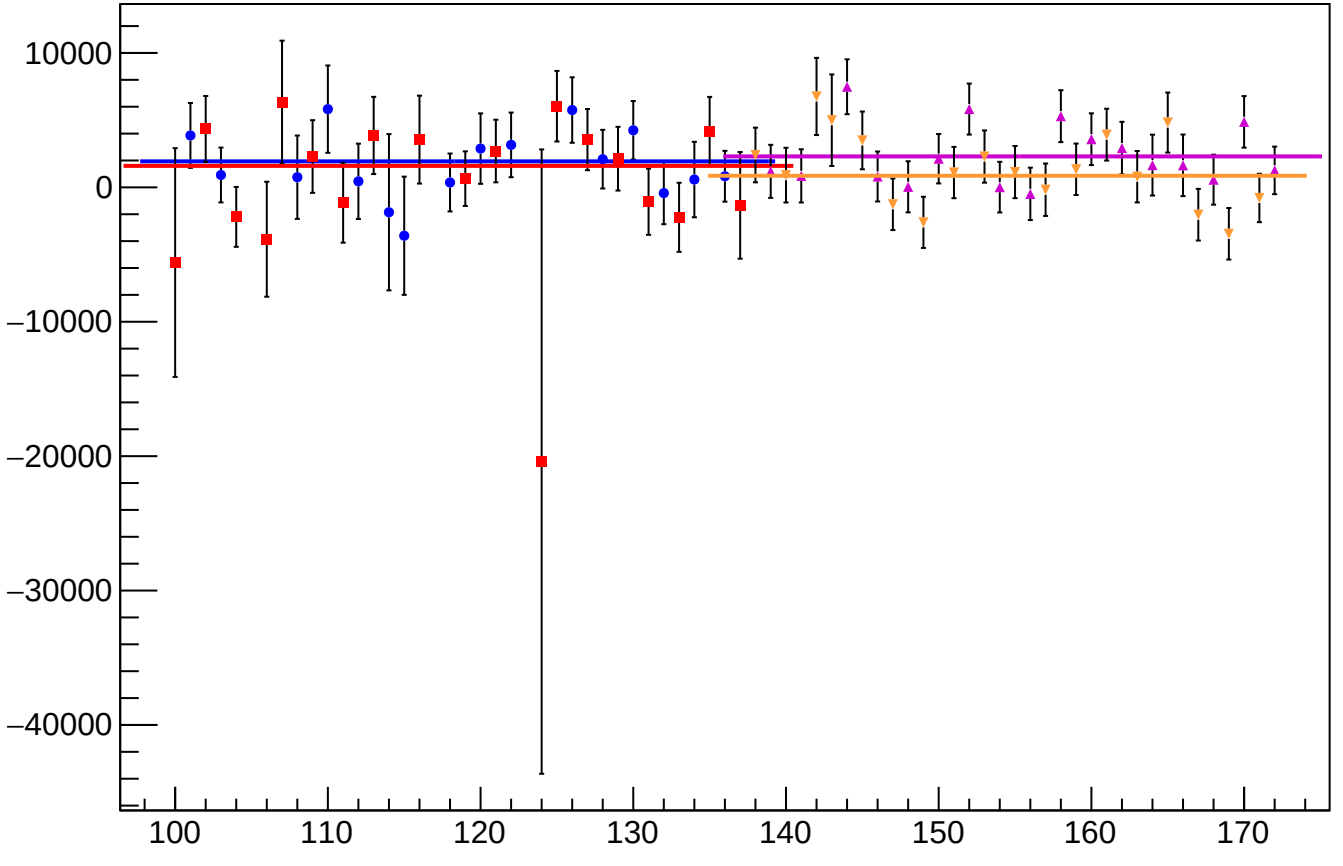
Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:4507032.6/32

Out: 0.000+/-0.000 χ^2/NDF:5521694.7/36

All: 0.000+/-0.000 χ^2/NDF: 10176431.3/69

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 862.393+/-477.320 χ^2/NDF:27.1/17

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: 1592.051+/-335.376 χ^2/NDF: 54.1/34

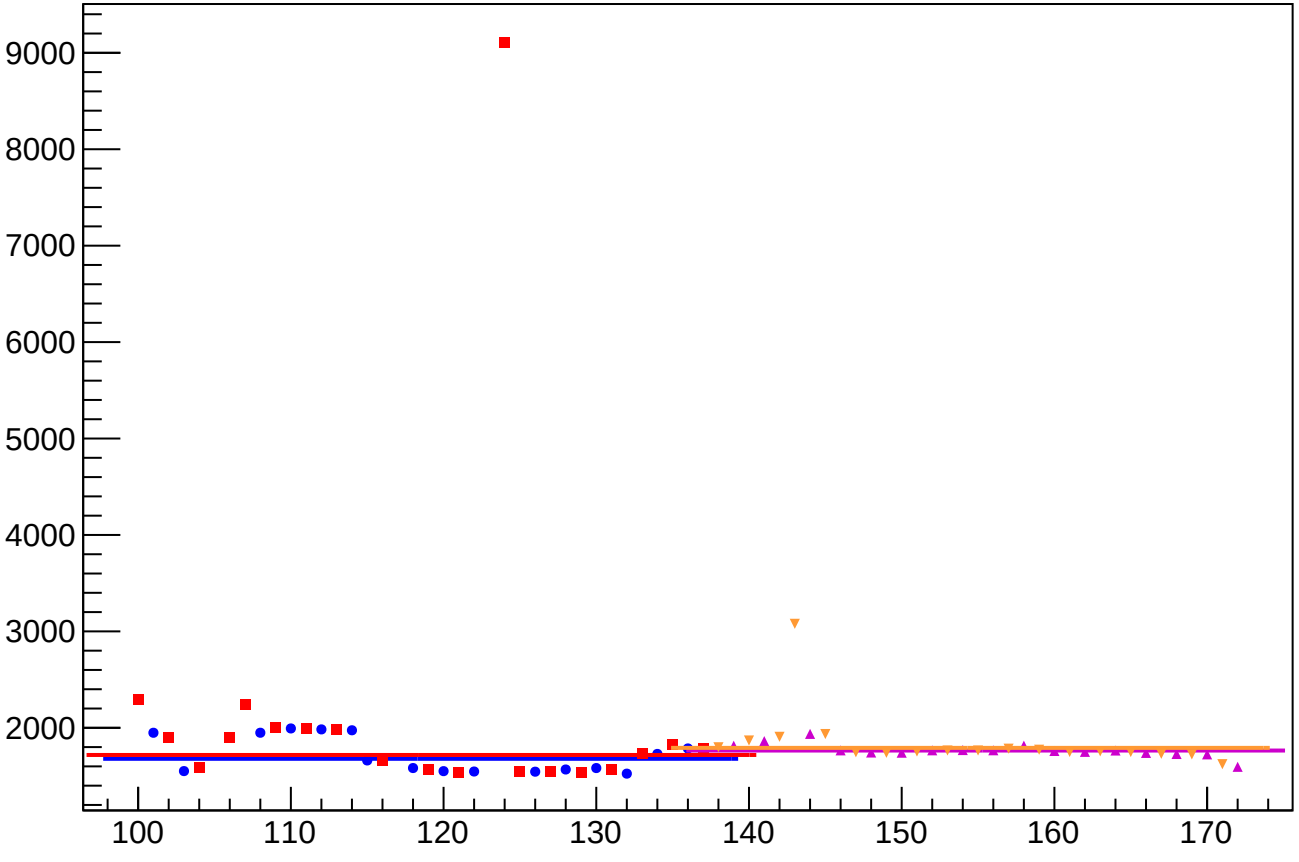
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2170.595+/-376.938 χ^2/NDF:33.6/32

Out: 1124.140+/-383.093 χ^2/NDF:47.3/36

All: 1655.842+/-268.685 χ^2/NDF: 84.7/69

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1791.885+/-0.338 χ^2/NDF:329102.0/17

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1764.274+/-0.333 χ^2/NDF:42477.6/16

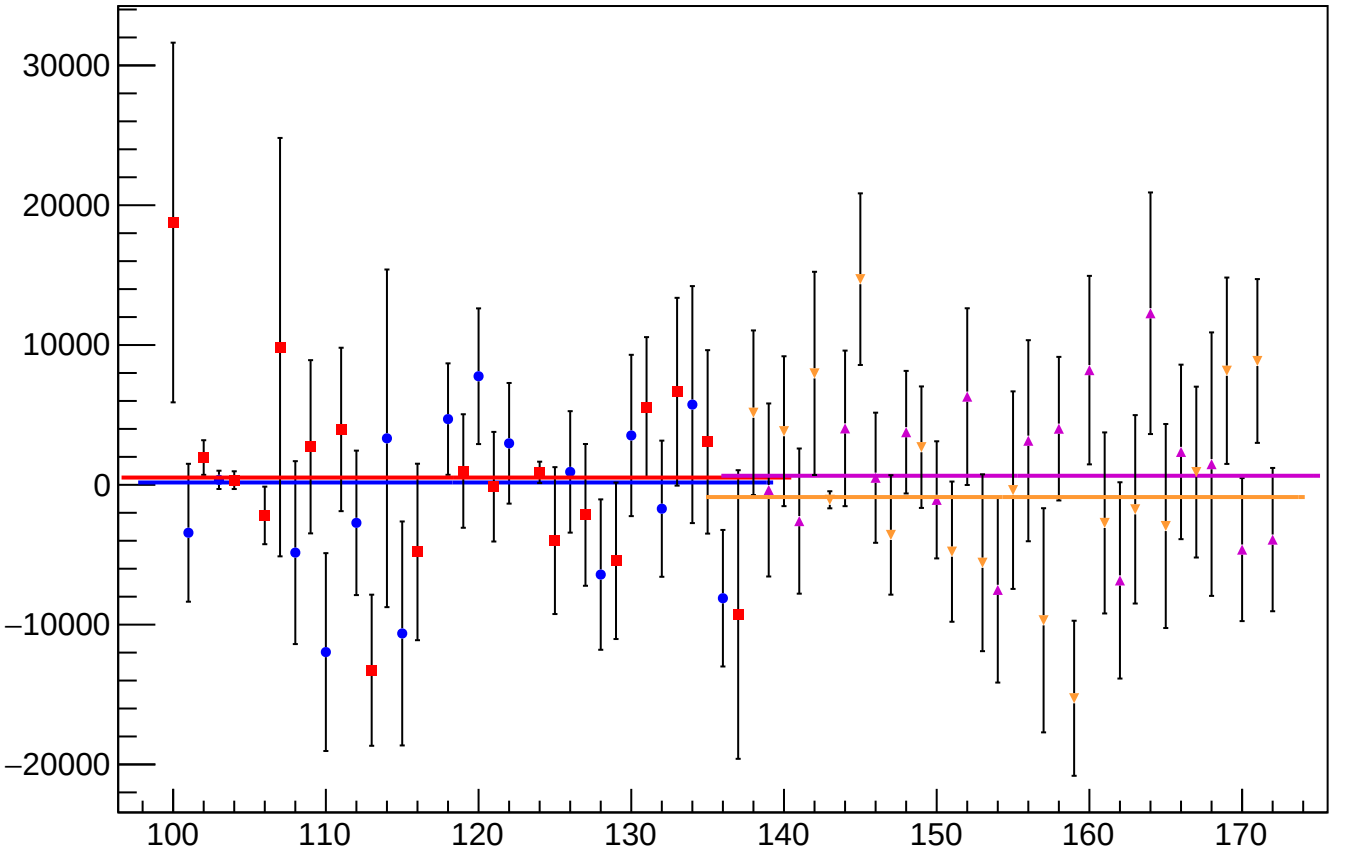
Left: 1777.905+/-0.237 χ^2/NDF: 374968.1/34

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1733.376+/-0.267 χ^2/NDF:207809.0/32

Out: 1765.545+/-0.270 χ^2/NDF:729293.2/36

All: 1749.227+/-0.190 χ^2/NDF: 944280.0/69



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -874.394+/-561.053 χ^2/NDF:24.9/17

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 648.766+/-1380.597 χ^2/NDF:10.5/16

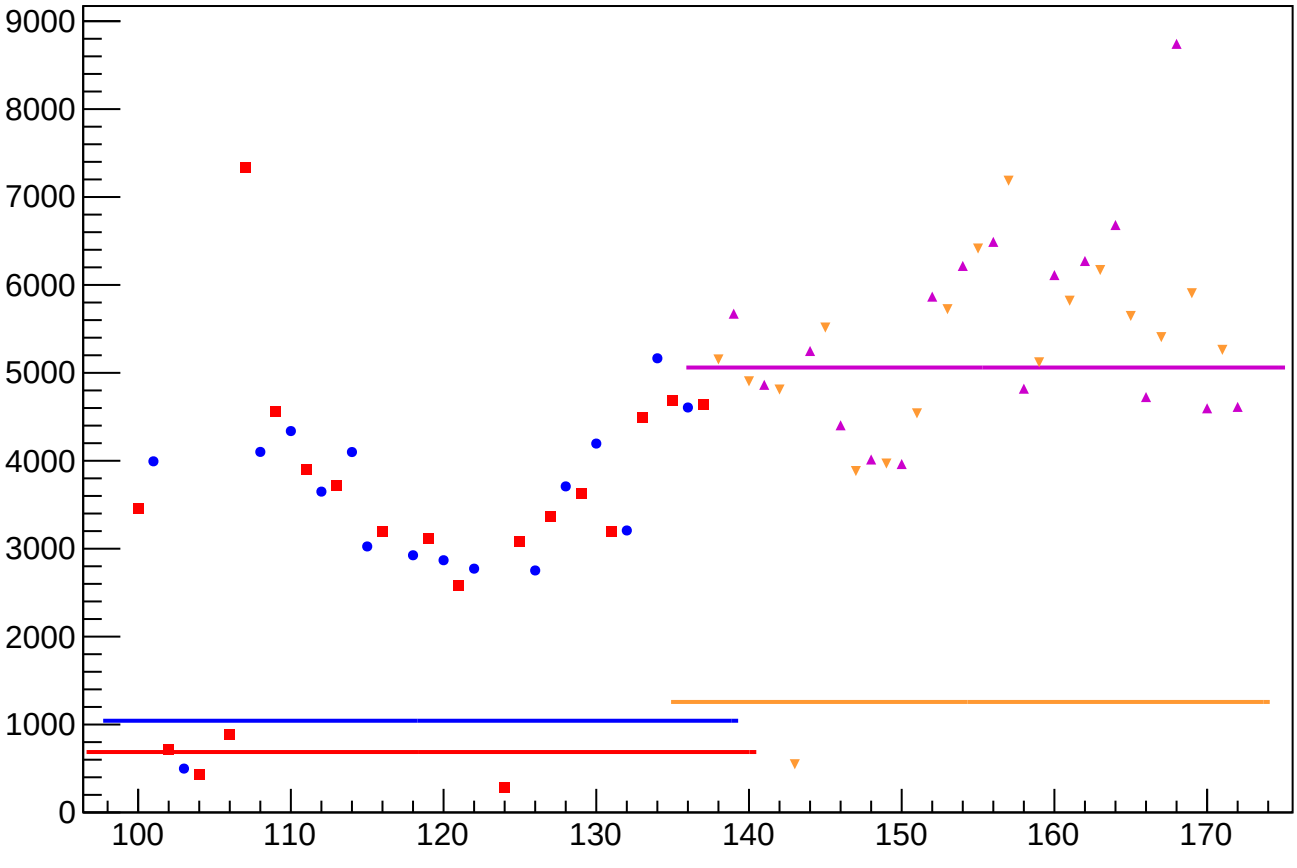
Left: -658.502+/-519.772 χ^2/NDF: 36.4/34

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 242.824+/-543.783 χ^2/NDF:26.4/32

Out: 12.620+/-338.666 χ^2/NDF:47.4/36

All: 76.956+/-287.472 χ^2/NDF: 73.9/69



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1256.931+/-0.397 χ^2/NDF:18066683.9/17

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 5060.644+/-0.976 χ^2/NDF:1013863.5/16

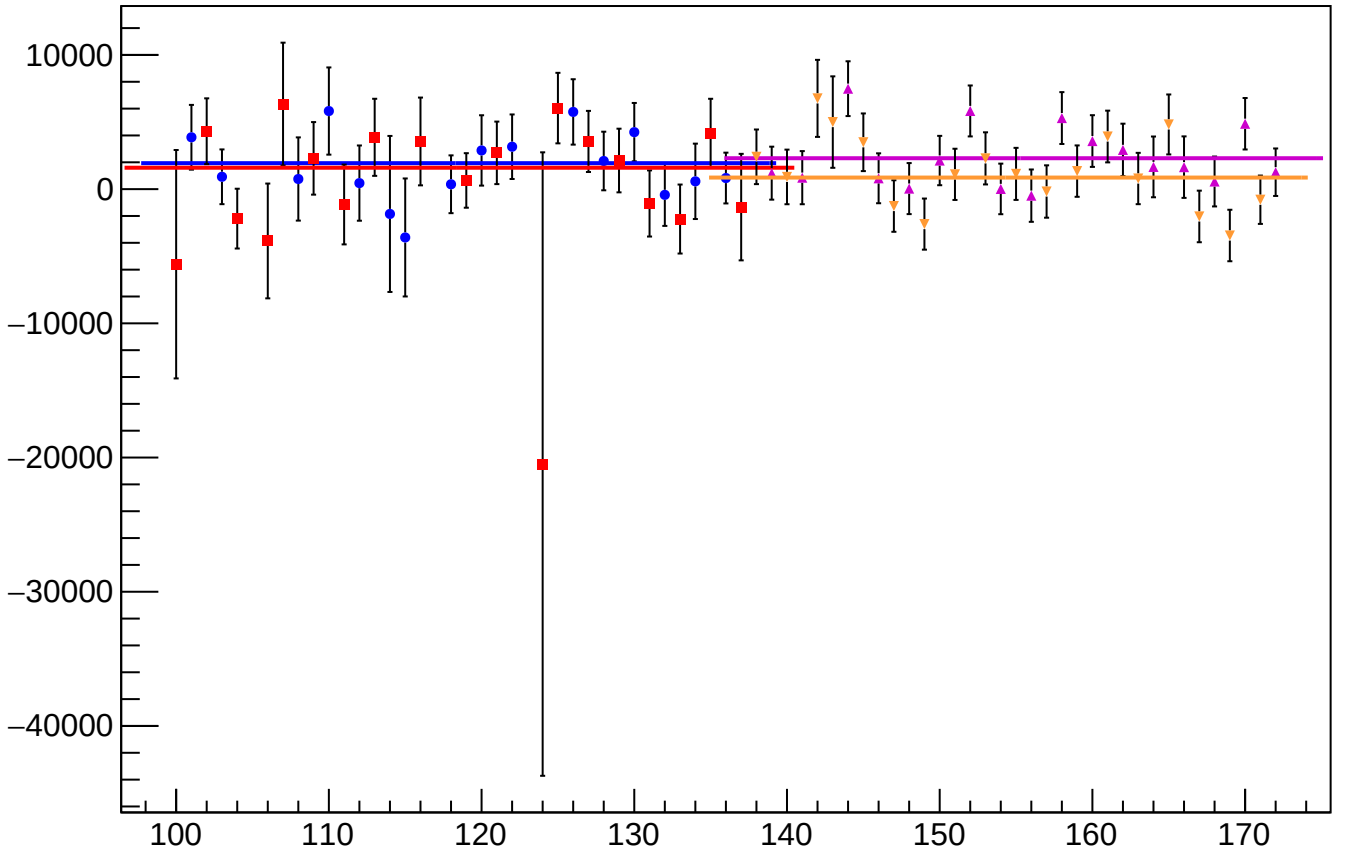
Left: 1796.069+/-0.368 χ^2/NDF: 32110133.6/34

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1666.388+/-0.385 χ^2/NDF:23434442.2/32

Out: 894.872+/-0.239 χ^2/NDF:28008523.5/36

All: 1110.490+/-0.203 χ^2/NDF: 54343770.9/6



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 862.389+/-477.320 χ^2/NDF:27.1/17

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: 1592.075+/-335.376 χ^2/NDF: 54.1/34

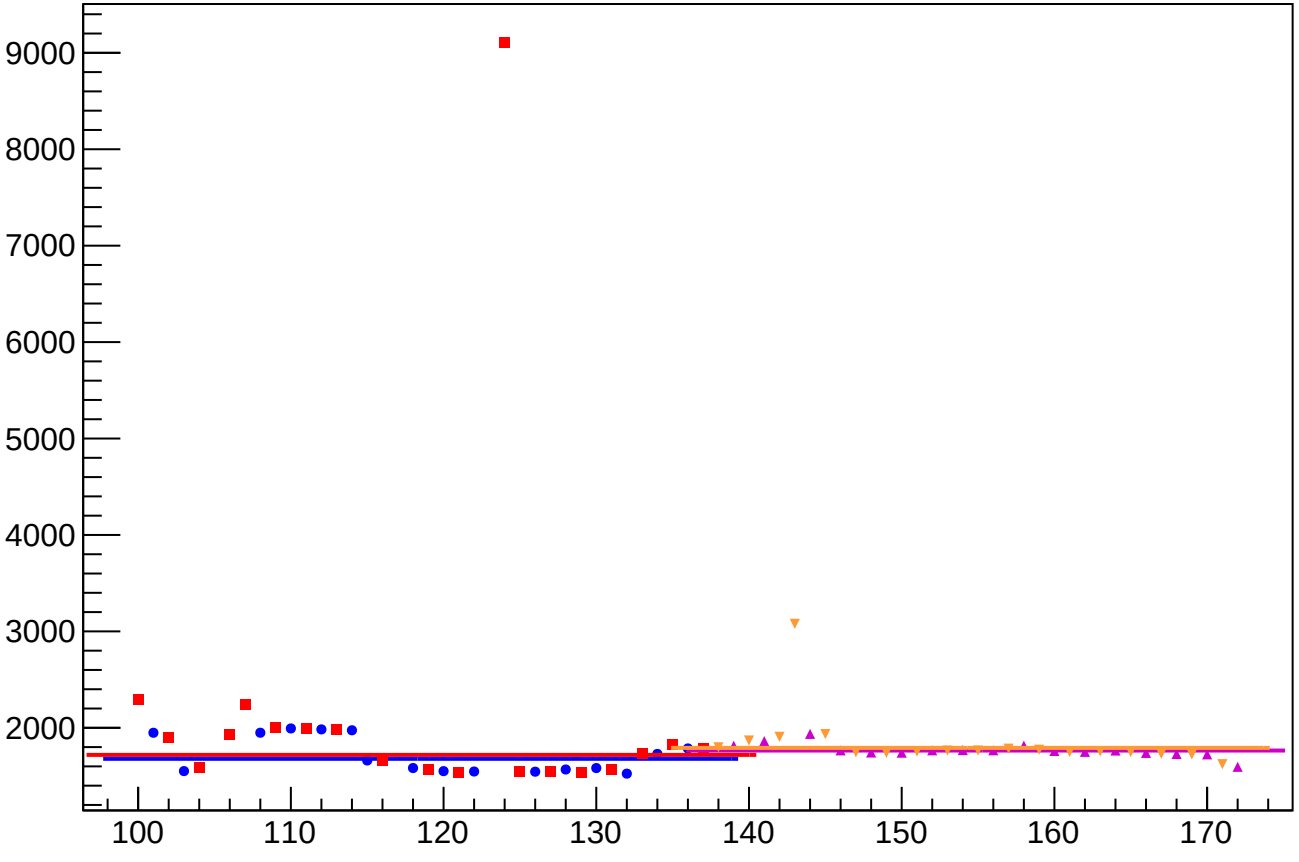
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2170.669+/-376.938 χ^2/NDF:33.6/32

Out: 1123.267+/-383.095 χ^2/NDF:47.3/36

All: 1655.452+/-268.686 χ^2/NDF: 84.6/69

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1791.885+/-0.338 χ^2/NDF:329102.0/17

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1764.274+/-0.333 χ^2/NDF:42477.6/16

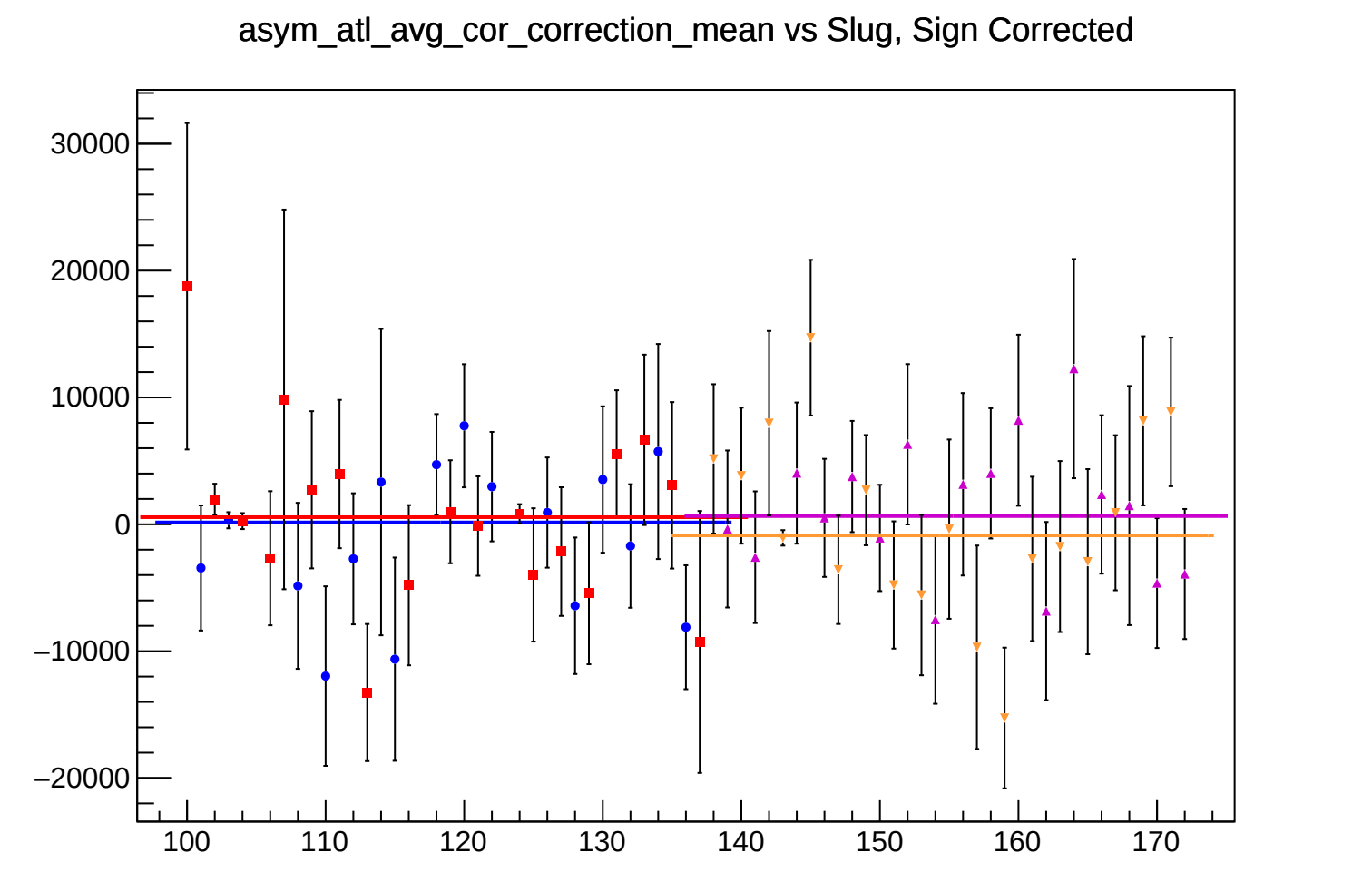
Left: 1777.905+/-0.237 χ^2/NDF: 374968.1/34

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1733.376+/-0.267 χ^2/NDF:207809.2/32

Out: 1765.860+/-0.270 χ^2/NDF:730642.1/36

All: 1749.379+/-0.190 χ^2/NDF: 945769.1/69



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -874.061+/-561.033 χ^2/NDF:24.9/17

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 648.846+/-1380.596 χ^2/NDF:10.5/16

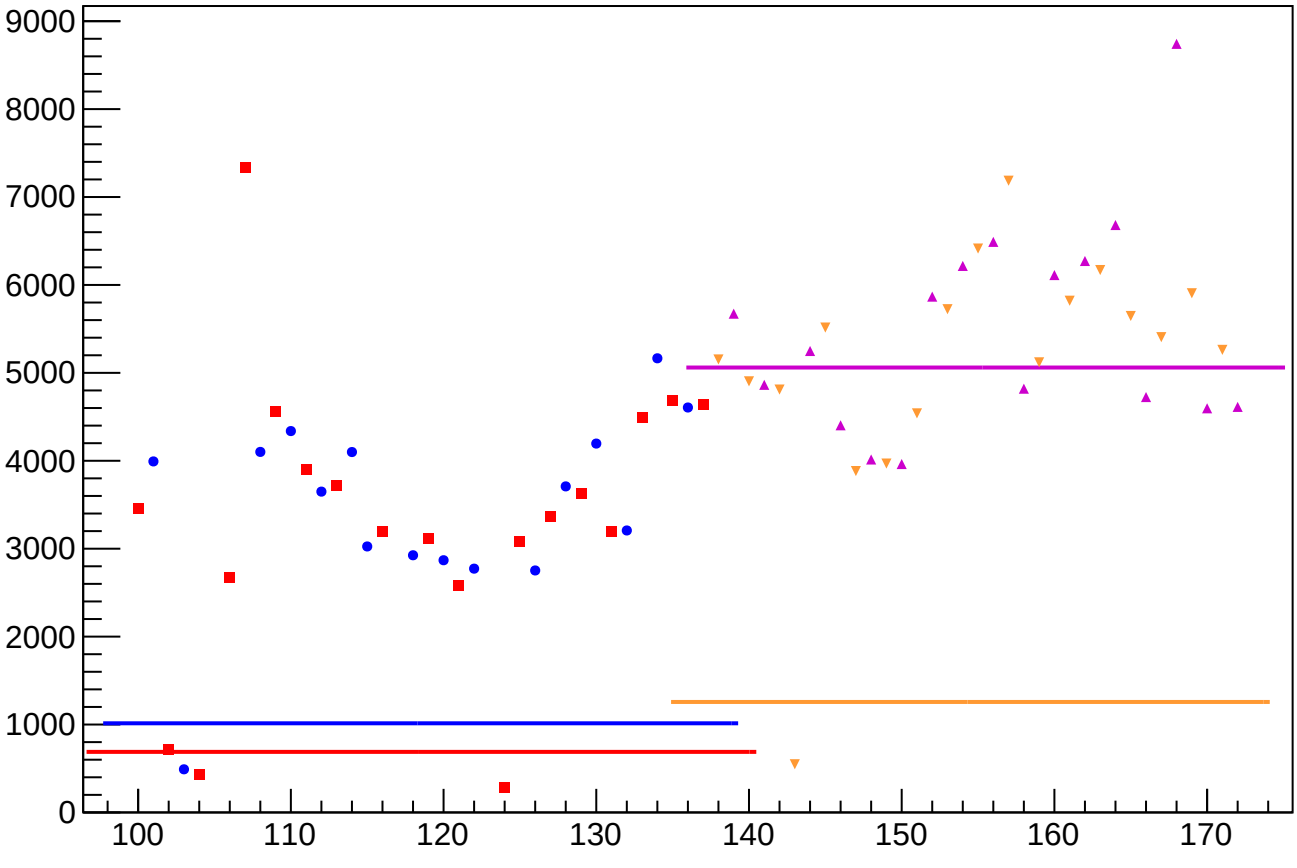
Left: -658.217+/-519.756 χ^2/NDF: 36.4/34

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 221.758+/-534.224 χ^2/NDF:26.4/32

Out: 29.271+/-341.598 χ^2/NDF:46.2/36

All: 85.132+/-287.793 χ^2/NDF: 72.7/69



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1256.863+/-0.397 χ^2/NDF:18067081.1/17

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5060.639+/-0.976 χ^2/NDF:1013883.1/16

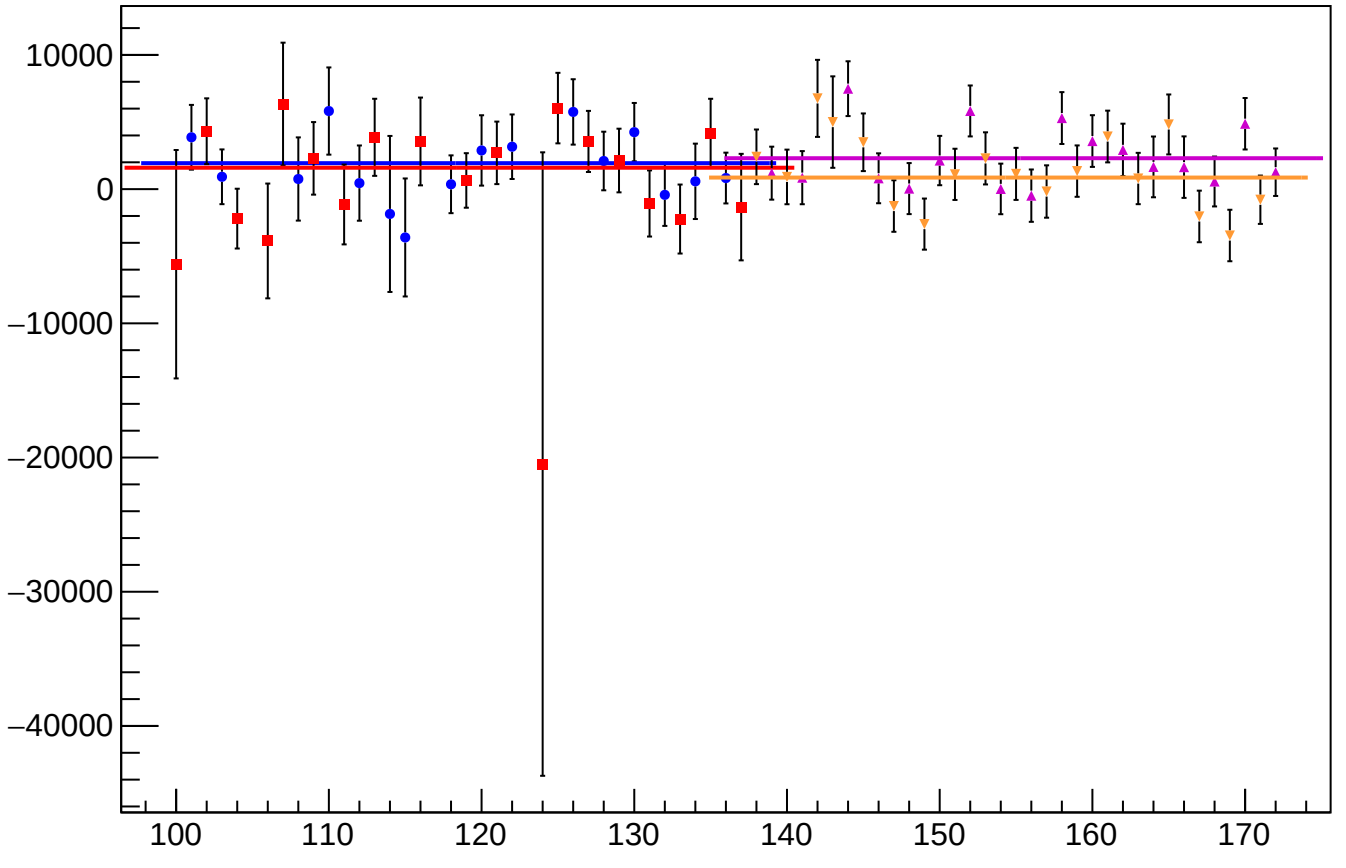
Left: 1795.978+/-0.368 χ^2/NDF: 32111126.8/34

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1619.991+/-0.378 χ^2/NDF:23845931.1/32

Out: 899.556+/-0.242 χ^2/NDF:28266574.1/36

All: 1108.634+/-0.204 χ^2/NDF: 54694180.4/6



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 862.389+/-477.320 χ^2/NDF:27.1/17

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2303.541+/-471.323 χ^2/NDF:22.5/16

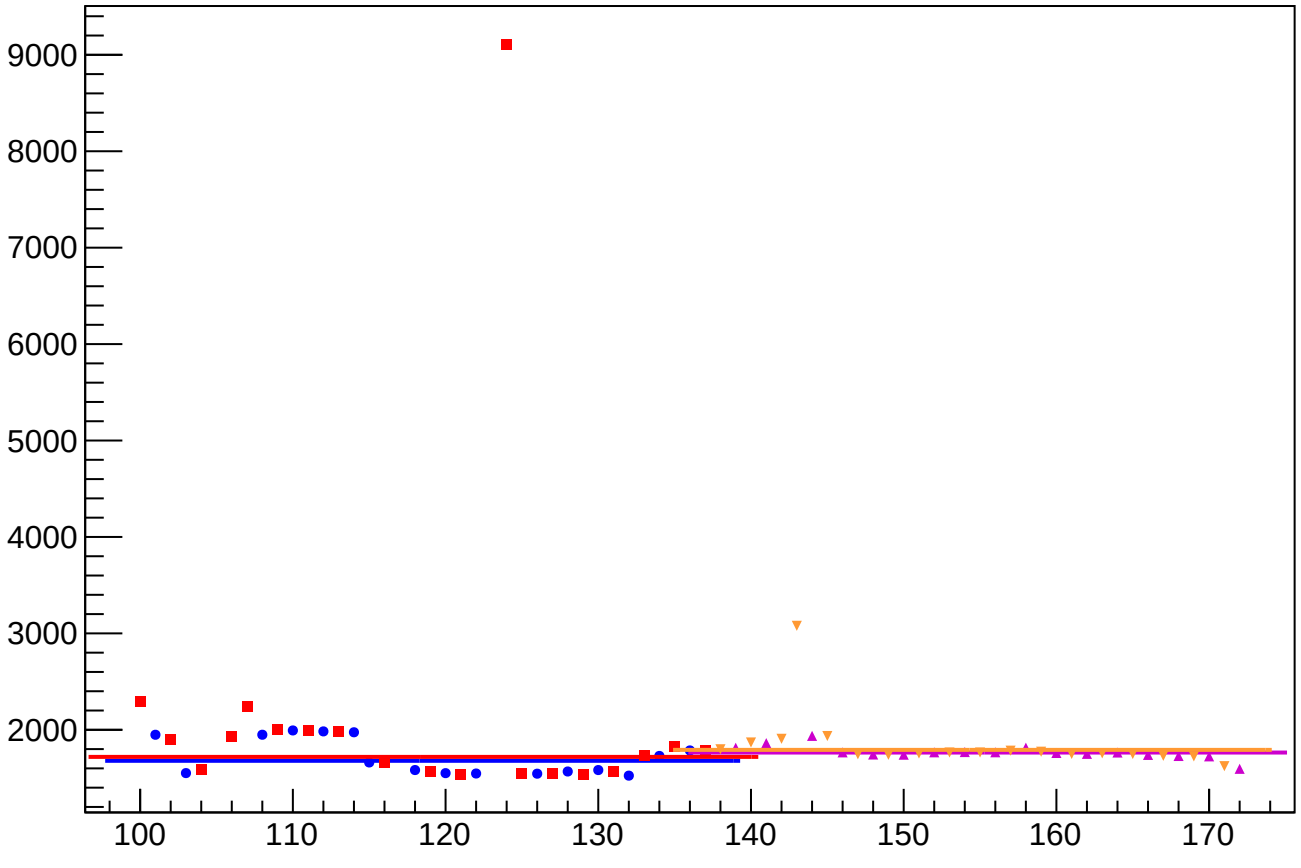
Left: 1592.075+/-335.376 χ^2/NDF: 54.1/34

Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2170.669+/-376.938 χ^2/NDF:33.6/32

Out: 1123.267+/-383.095 χ^2/NDF:47.3/36

All: 1655.452+/-268.686 χ^2/NDF: 84.6/69



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1791.885+/-0.338 χ^2/NDF:329102.0/17

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1764.274+/-0.333 χ^2/NDF:42477.6/16

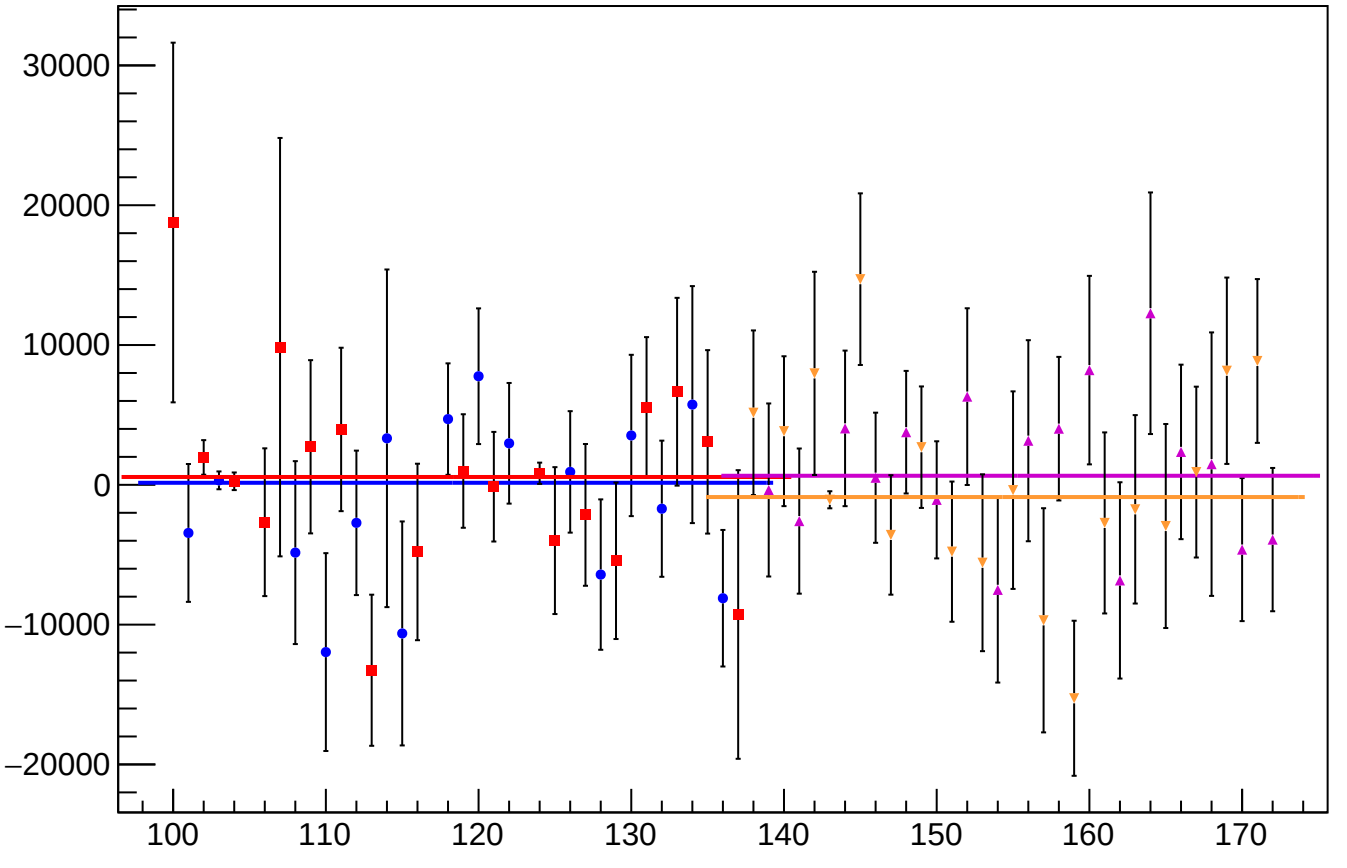
Left: 1777.905+/-0.237 χ^2/NDF: 374968.1/34

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1733.376+/-0.267 χ^2/NDF:207809.2/32

Out: 1765.860+/-0.270 χ^2/NDF:730642.1/36

All: 1749.379+/-0.190 χ^2/NDF: 945769.1/69



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -874.061+/-561.033 χ^2/NDF:24.9/17

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 648.846+/-1380.596 χ^2/NDF:10.5/16

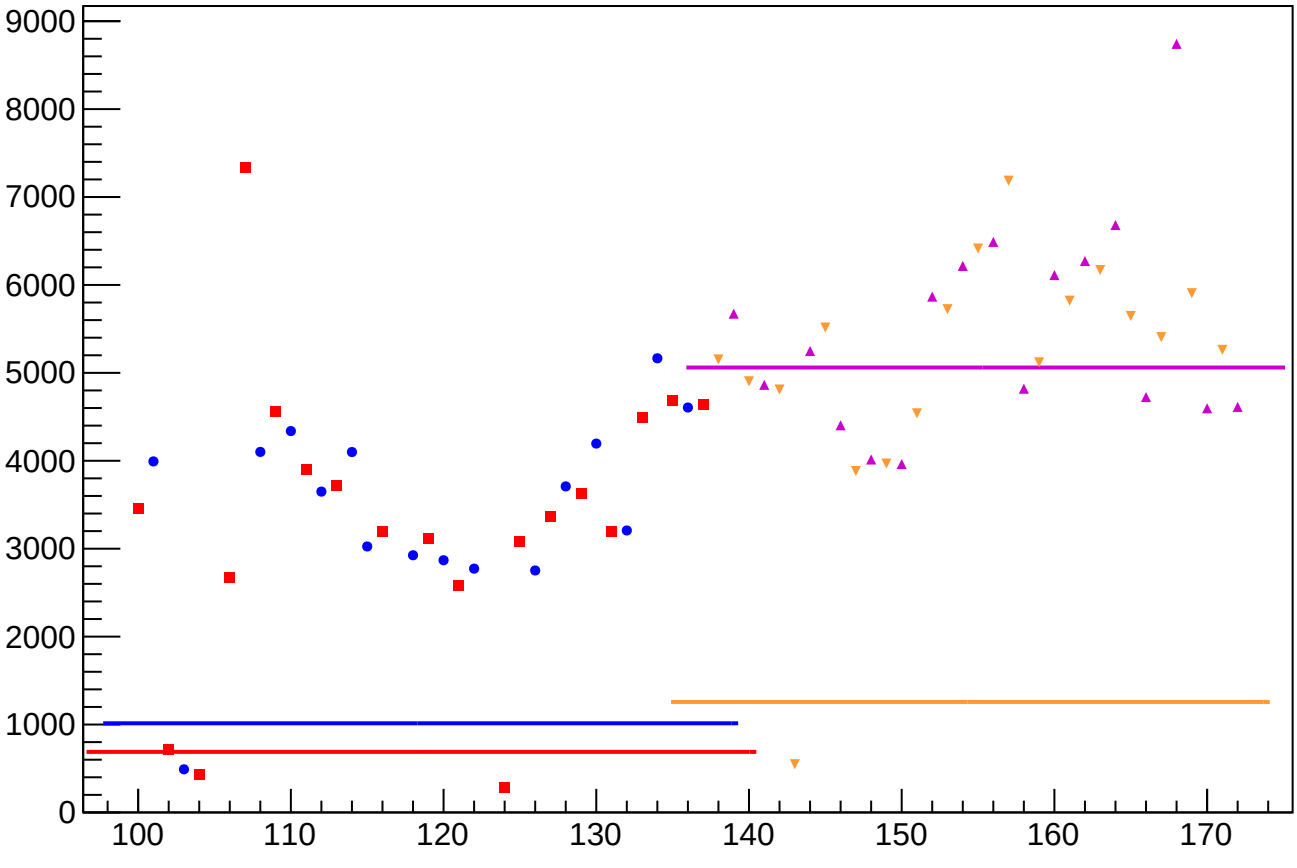
Left: -658.217+/-519.756 χ^2/NDF: 36.4/34

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 221.758+/-534.224 χ^2/NDF:26.4/32

Out: 29.271+/-341.598 χ^2/NDF:46.2/36

All: 85.132+/-287.793 χ^2/NDF: 72.7/69



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1256.863+/-0.397 χ^2/NDF:18067081.1/17

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5060.639+/-0.976 χ^2/NDF:1013883.1/16

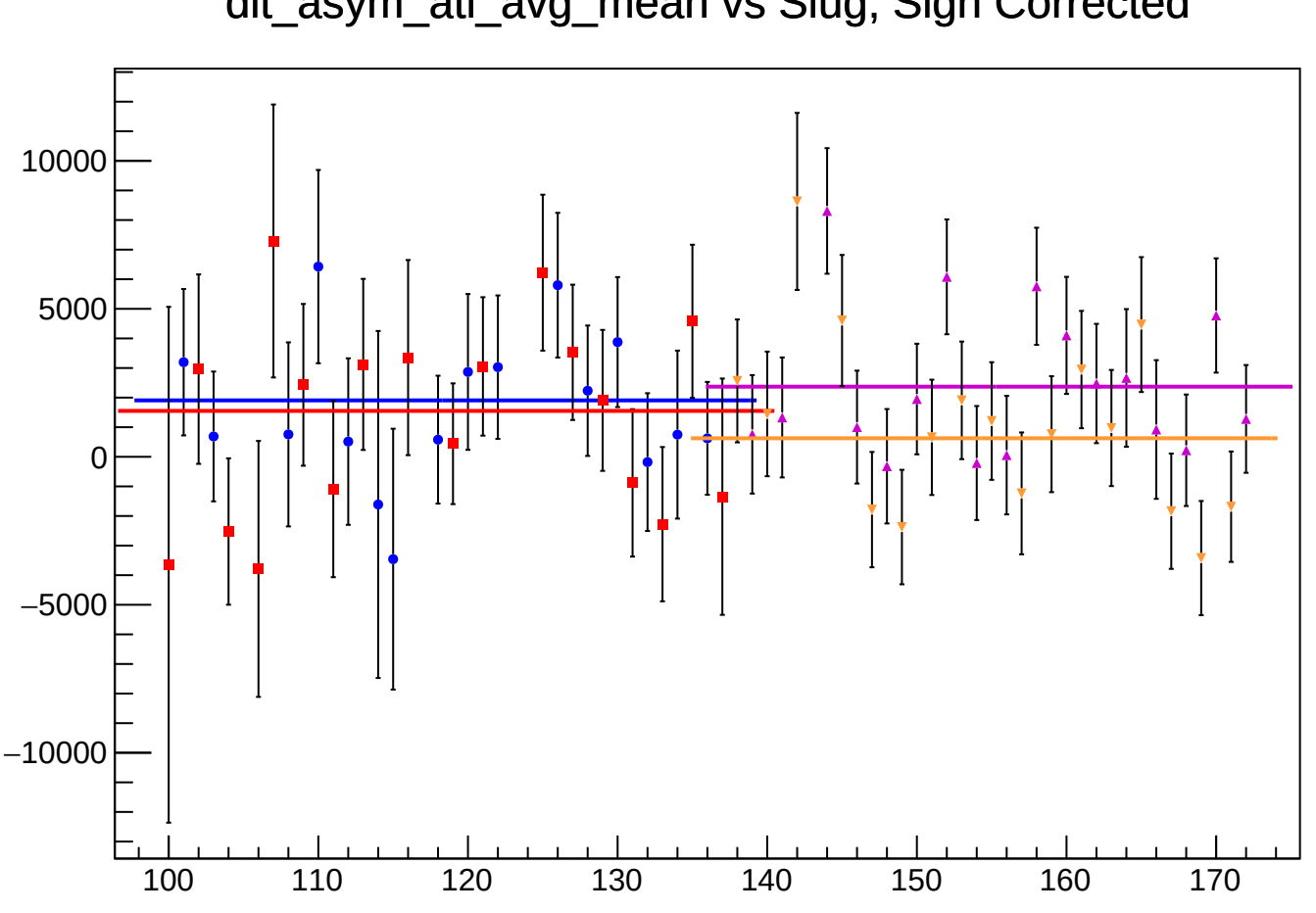
Left: 1795.978+/-0.368 χ^2/NDF: 32111126.8/34

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1619.991+/-0.378 χ^2/NDF:23845931.1/32

Out: 899.556+/-0.242 χ^2/NDF:28266574.1/36

All: 1108.634+/-0.204 χ^2/NDF: 54694180.4/6



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 625.905+/-494.098 χ^2/NDF:28.5/16

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: 1519.395+/-345.025 χ^2/NDF: 60.2/33

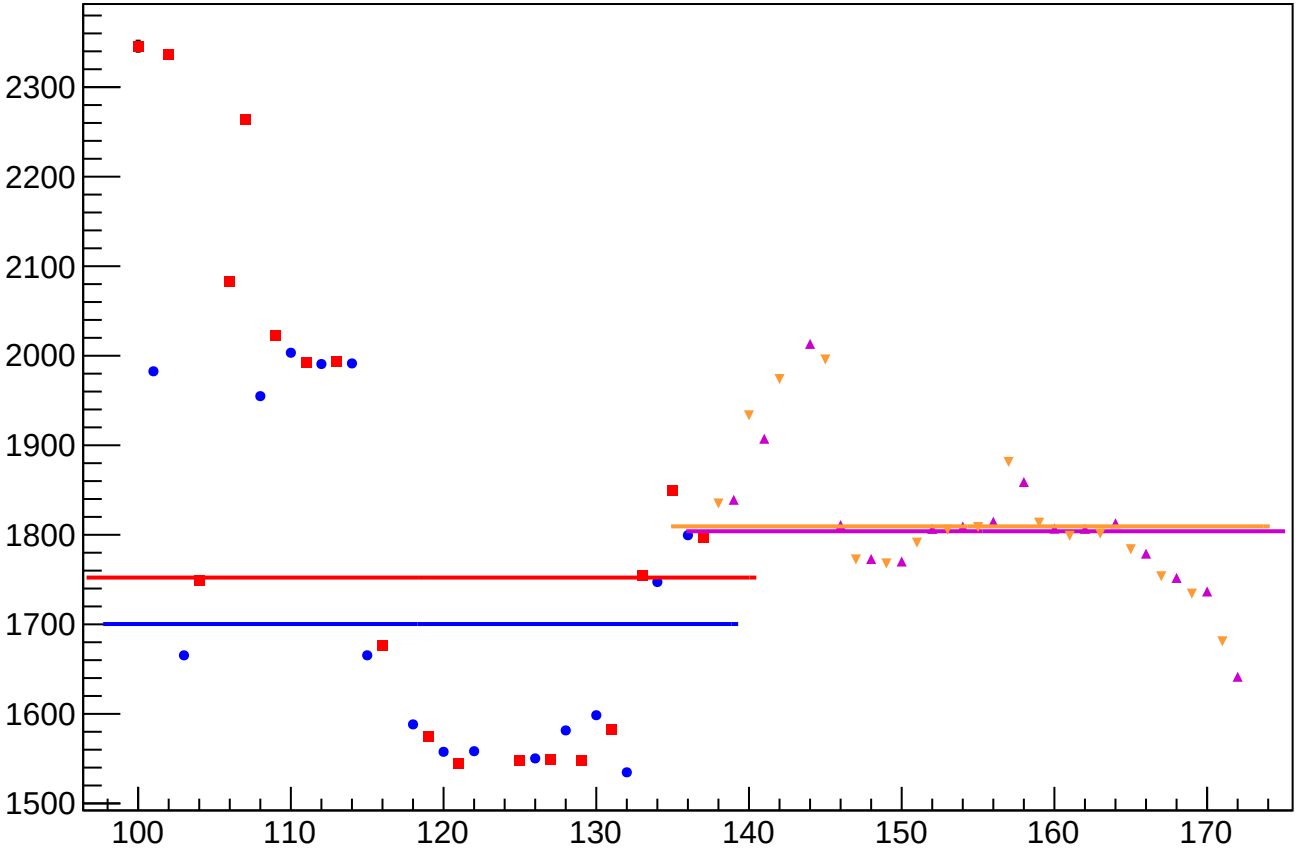
Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2200.742+/-384.243 χ^2/NDF:35.9/32

Out: 957.478+/-395.764 χ^2/NDF:47.2/34

All: 1597.469+/-275.684 χ^2/NDF: 88.1/67

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1809.427+/-0.349 χ^2/NDF:46192.1/16

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1803.970+/-0.341 χ^2/NDF:48254.5/16

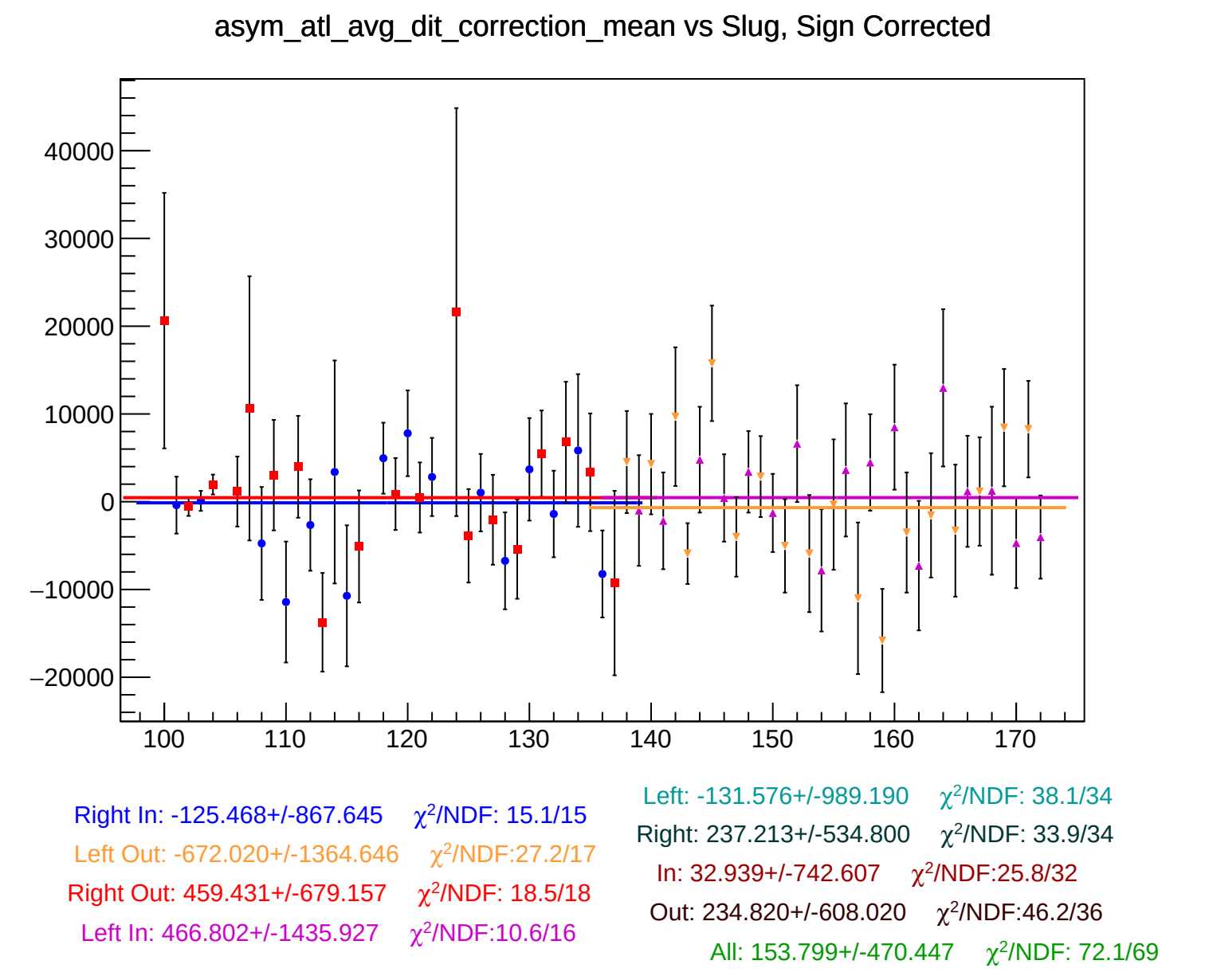
Left: 1806.631+/-0.244 χ^2/NDF: 94571.6/33

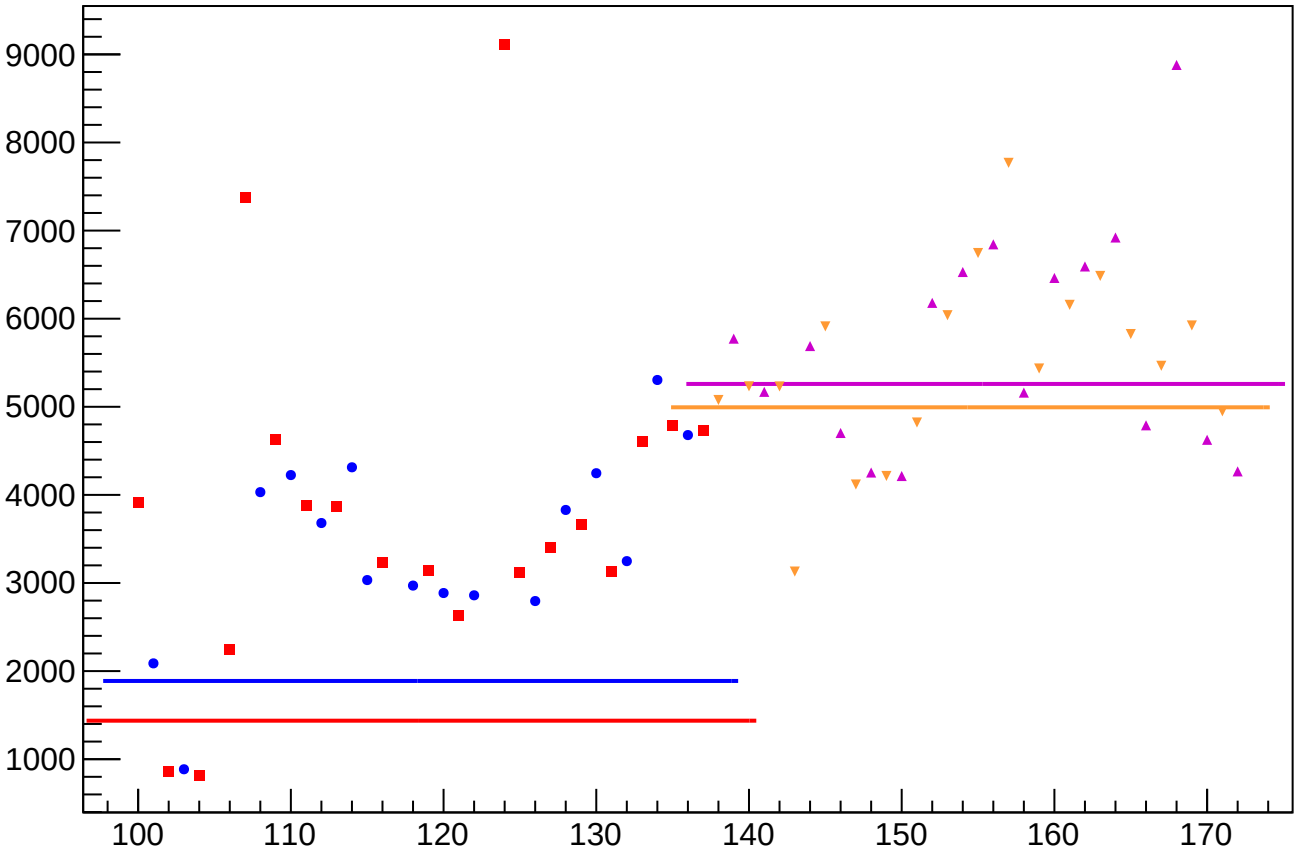
Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1766.203+/-0.272 χ^2/NDF:217361.1/32

Out: 1788.869+/-0.280 χ^2/NDF:303776.2/34

All: 1777.210+/-0.195 χ^2/NDF: 524517.2/67


asym_atl_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -125.468+/-867.645 χ²/NDF: 15.1/15
Left Out: -672.020+/-1364.646 χ²/NDF:27.2/17
Right Out: 459.431+/-679.157 χ²/NDF: 18.5/18
Left In: 466.802+/-1435.927 χ²/NDF:10.6/16
Left: -131.576+/-989.190 χ²/NDF: 38.1/34
Right: 237.213+/-534.800 χ²/NDF: 33.9/34
In: 32.939+/-742.607 χ²/NDF:25.8/32
Out: 234.820+/-608.020 χ²/NDF:46.2/36
All: 153.799+/-470.447 χ²/NDF: 72.1/69



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4994.116+/-0.965 χ^2/NDF:1356821.5/17

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5259.293+/-1.015 χ^2/NDF:1052000.2/16

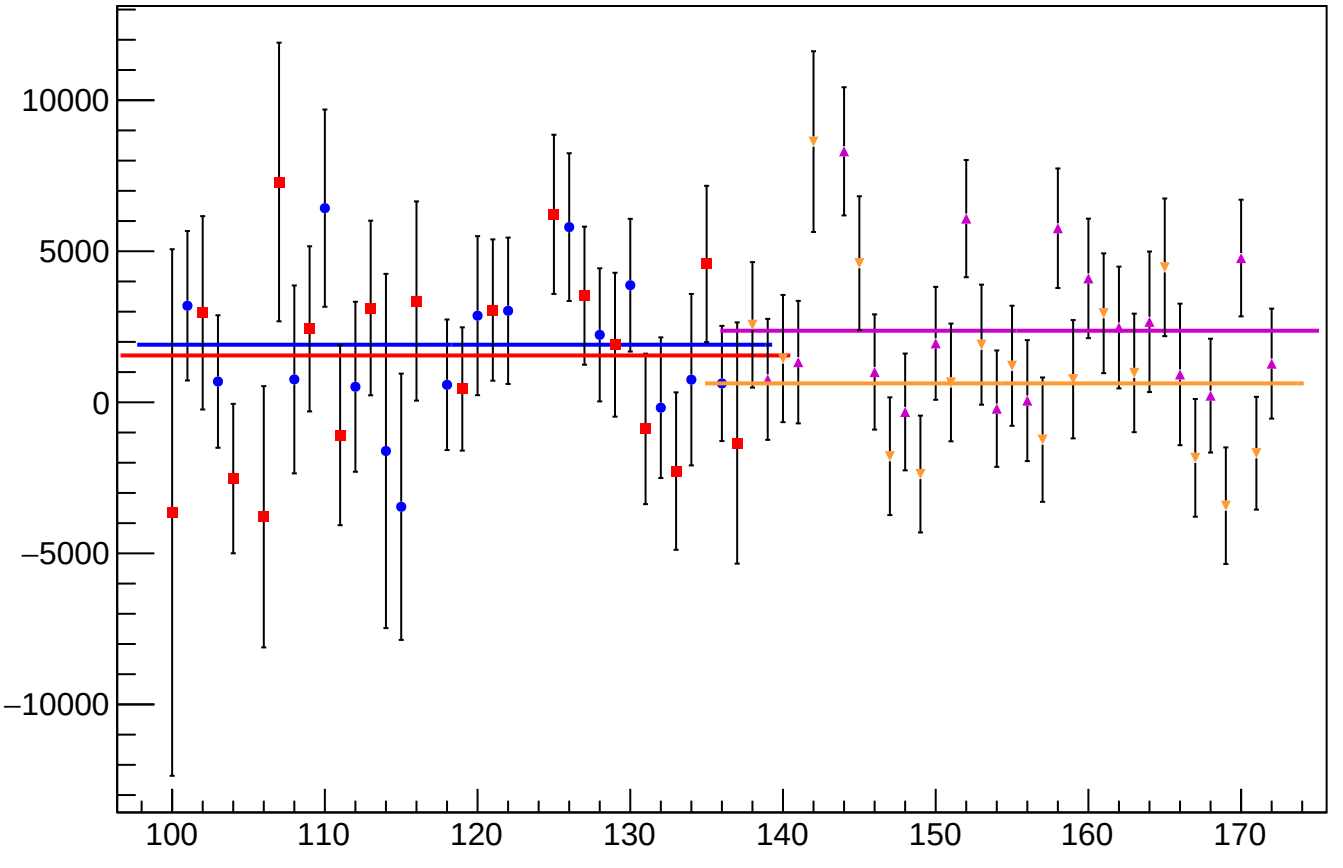
Left: 5119.960+/-0.699 χ^2/NDF: 2444660.6/34

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2789.673+/-0.525 χ^2/NDF:13553610.2/32

Out: 2143.231+/-0.430 χ^2/NDF:18211691.3/36

All: 2402.668+/-0.333 χ^2/NDF: 32672615.5/6



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 625.903+/-494.098 χ^2/NDF:28.5/16

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: 1519.394+/-345.025 χ^2/NDF: 60.2/33

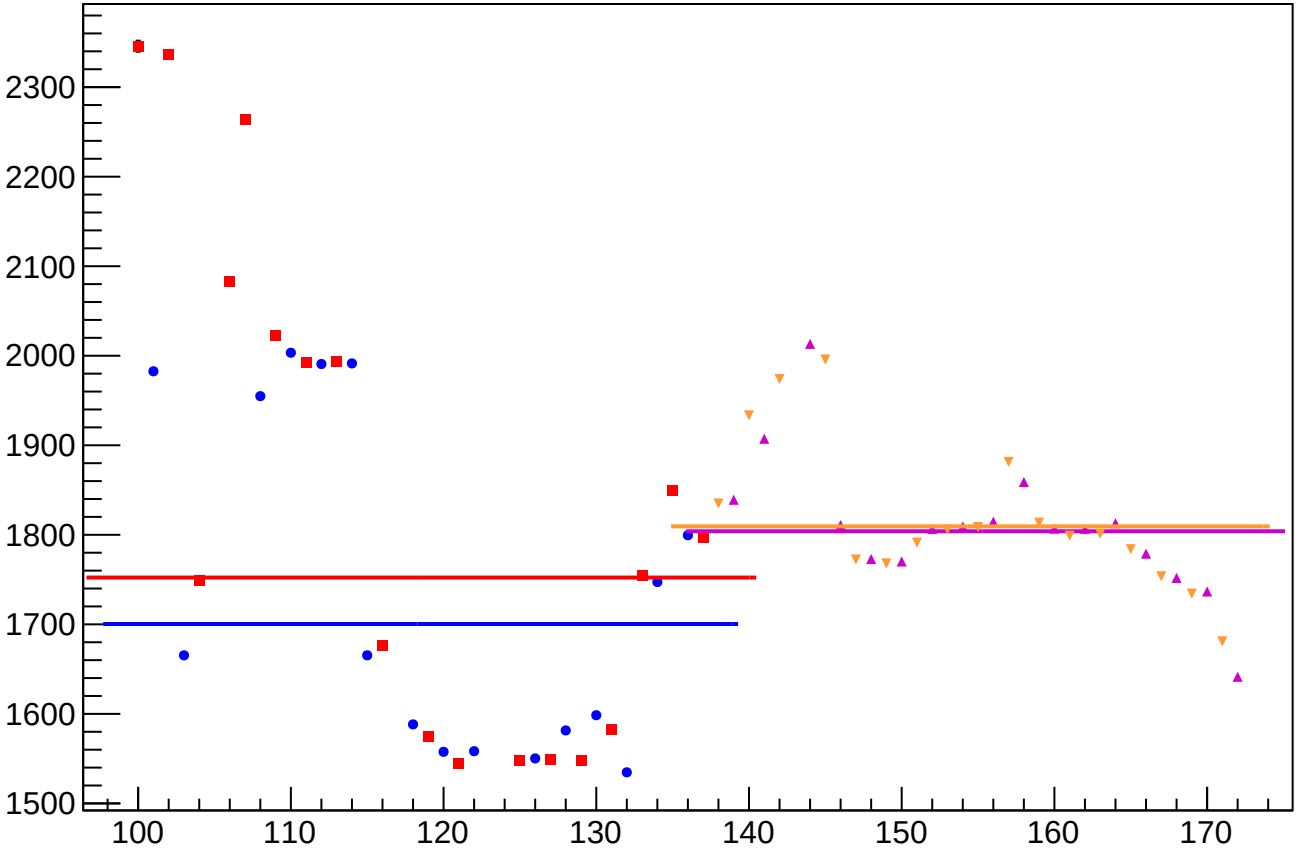
Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2200.742+/-384.243 χ^2/NDF:35.9/32

Out: 957.475+/-395.764 χ^2/NDF:47.2/34

All: 1597.468+/-275.684 χ^2/NDF: 88.1/67

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1809.427+/-0.349 χ^2/NDF:46193.8/16

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1803.971+/-0.341 χ^2/NDF:48256.0/16

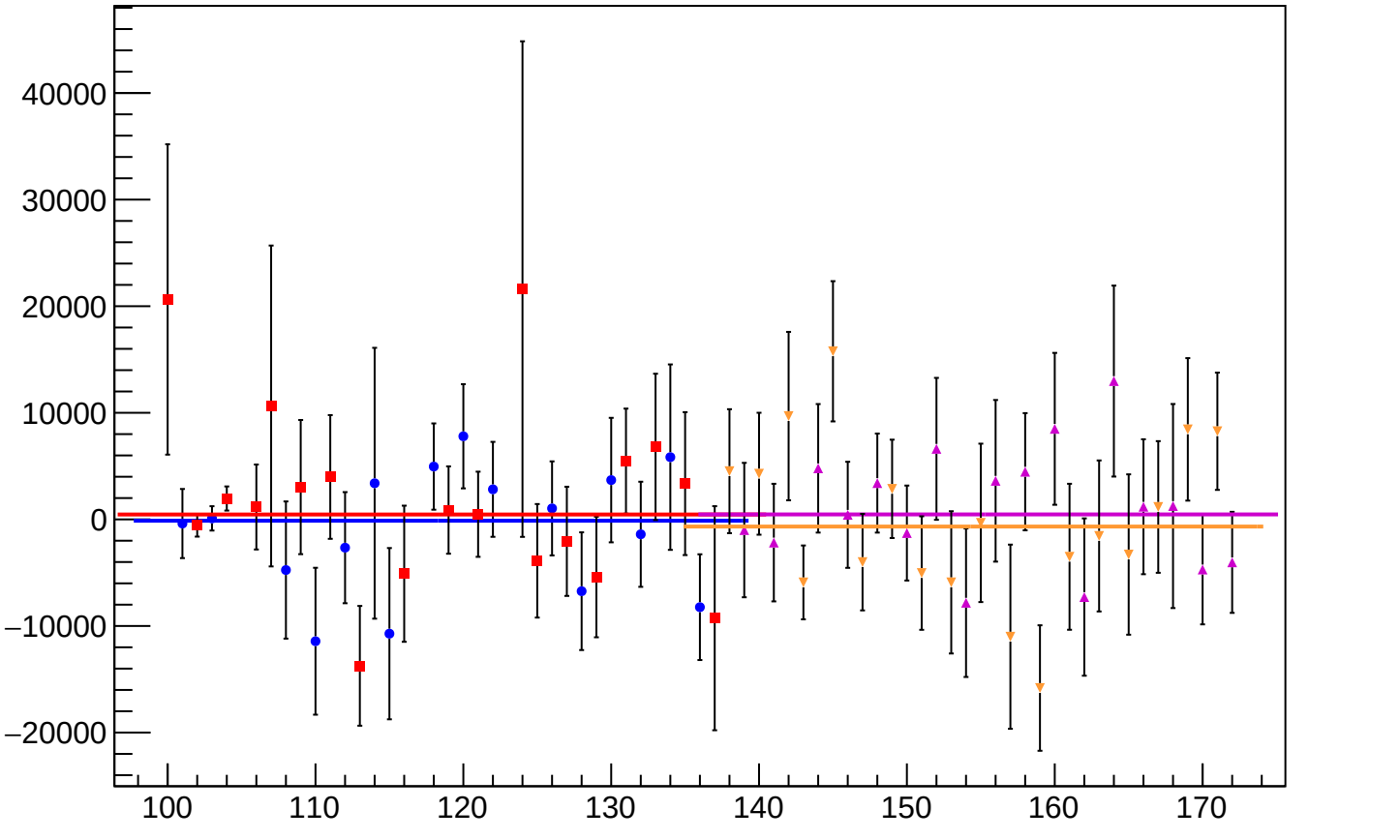
Left: 1806.632+/-0.244 χ^2/NDF: 94574.7/33

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1766.203+/-0.272 χ^2/NDF:217363.4/32

Out: 1788.869+/-0.280 χ^2/NDF:303777.8/34

All: 1777.211+/-0.195 χ^2/NDF: 524521.1/67



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -672.026+/-1364.647 χ^2/NDF:27.2/17

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: -131.579+/-989.192 χ^2/NDF: 38.1/34

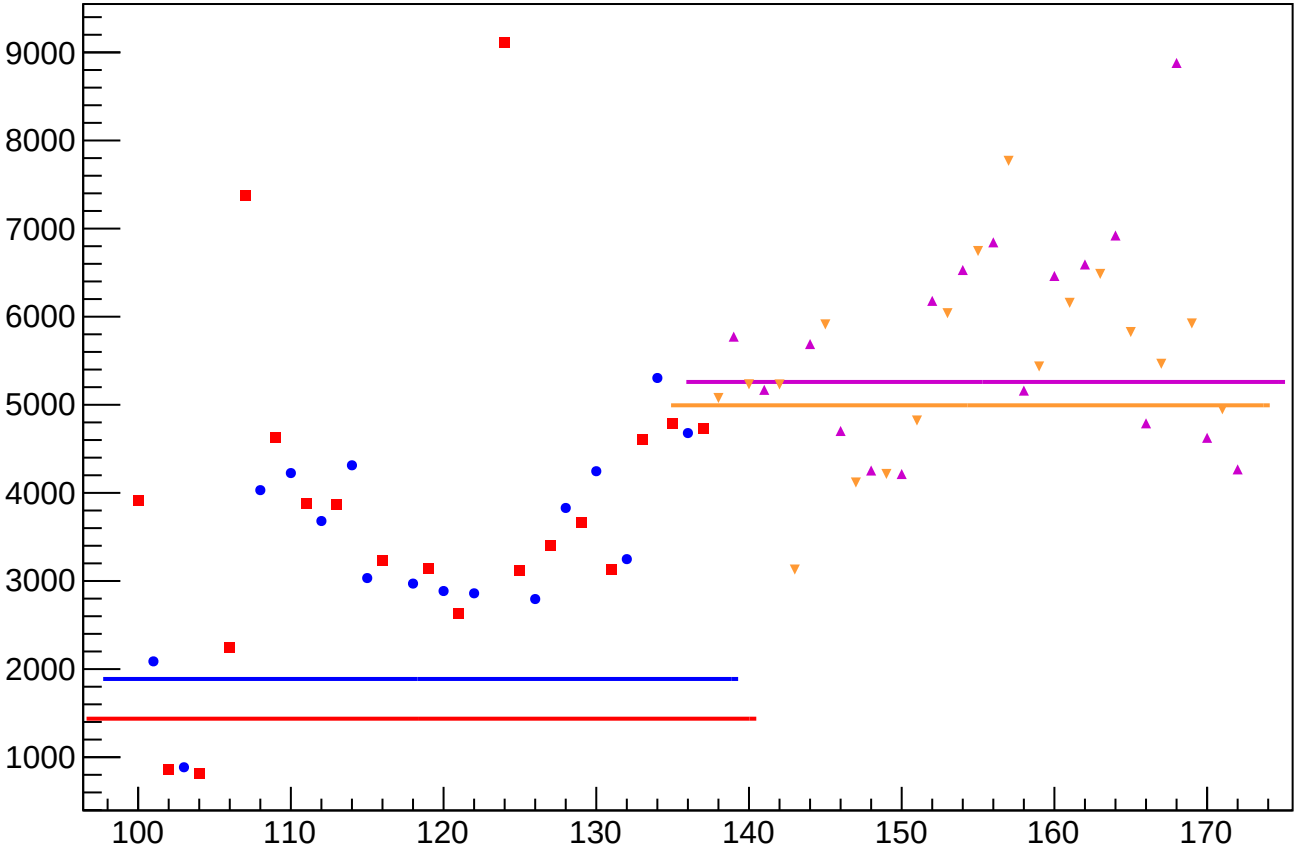
Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: 32.940+/-742.603 χ^2/NDF:25.8/32

Out: 234.821+/-608.016 χ^2/NDF:46.2/36

All: 153.800+/-470.444 χ^2/NDF: 72.1/69

asym_atl_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4994.122+/-0.965 χ^2/NDF:1356828.9/17

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: 5119.966+/-0.699 χ^2/NDF: 2444670.0/34

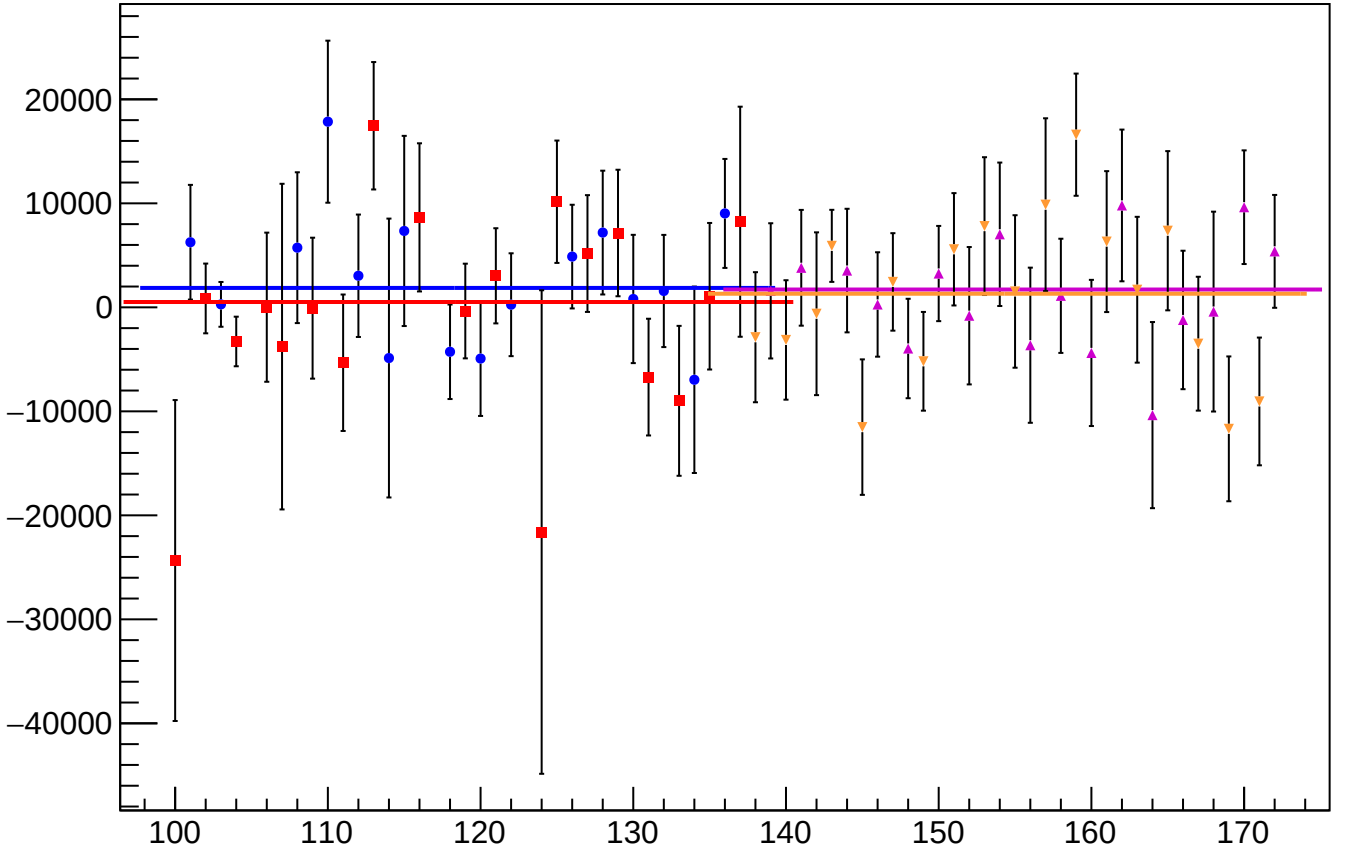
Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2789.652+/-0.525 χ^2/NDF:13553775.3/32

Out: 2143.211+/-0.430 χ^2/NDF:18211861.5/36

All: 2402.648+/-0.333 χ^2/NDF: 32672956.9/6

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 1306.882+/-1388.577 χ^2/NDF:26.2/17

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: 1498.493+/-1009.370 χ^2/NDF: 35.9/34

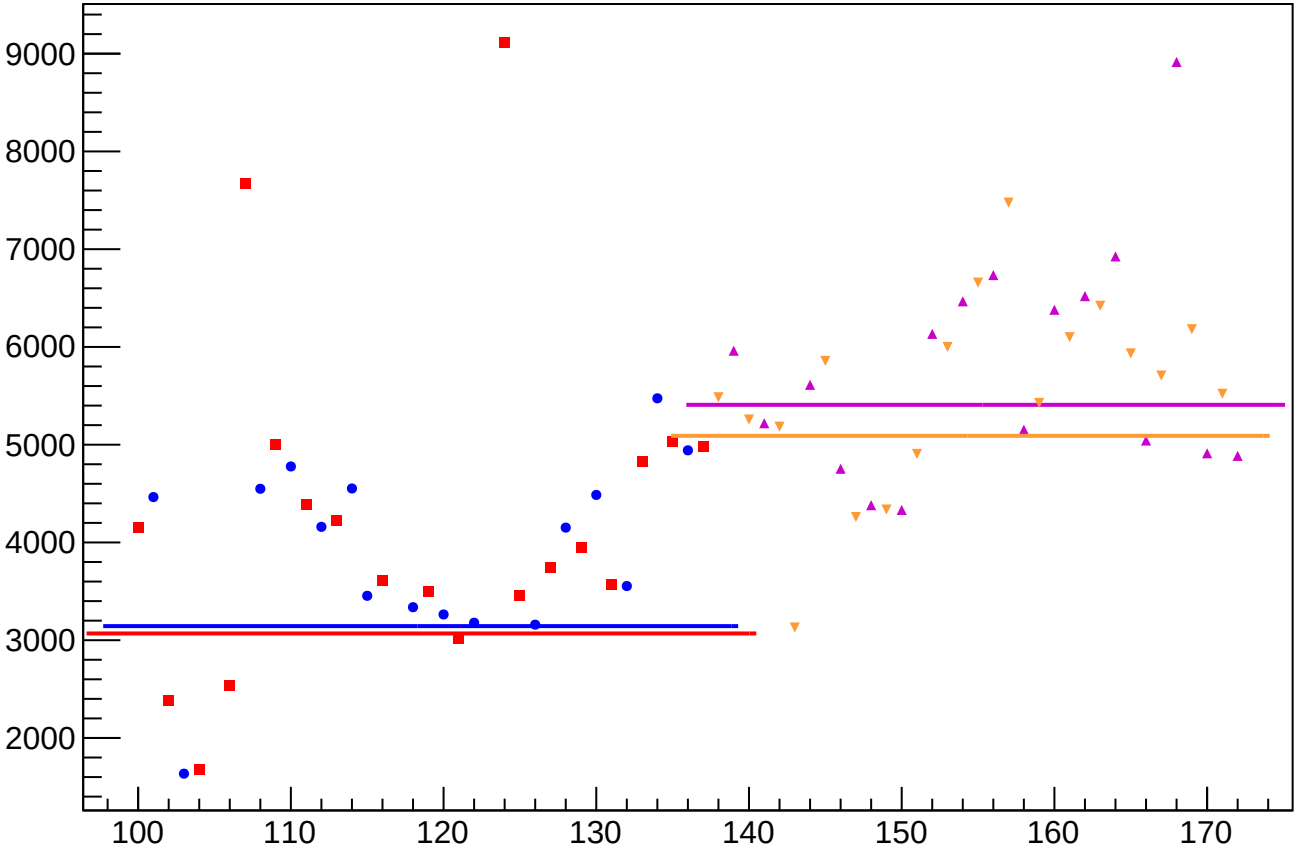
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1801.672+/-956.257 χ^2/NDF:23.5/32

Out: 865.426+/-925.524 χ^2/NDF:51.0/36

All: 1318.263+/-665.044 χ^2/NDF: 75.0/69

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5090.813+/-0.982 χ^2/NDF:1312247.8/17

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5407.893+/-1.039 χ^2/NDF:844365.1/16

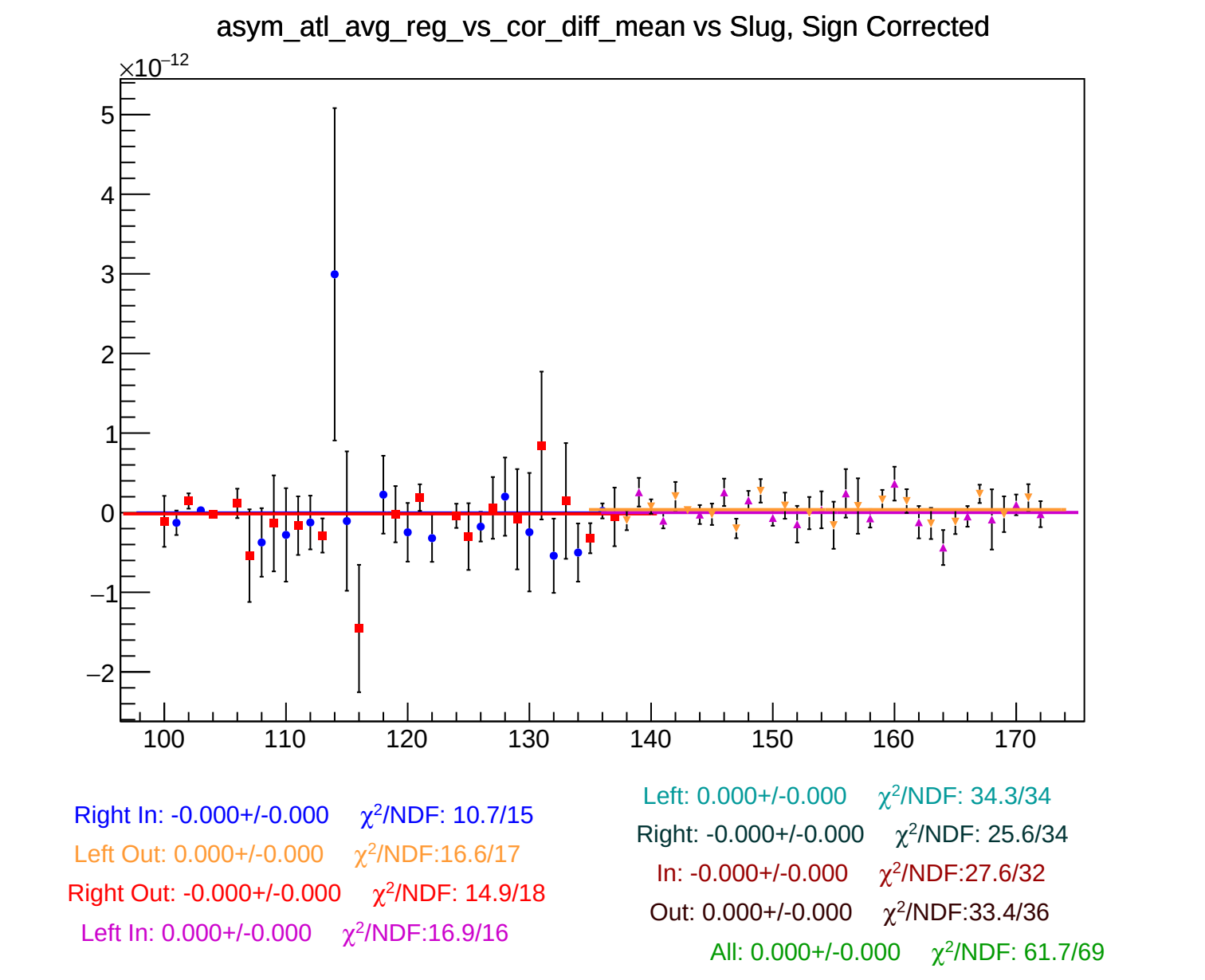
Left: 5240.348+/-0.714 χ^2/NDF: 2205794.6/34

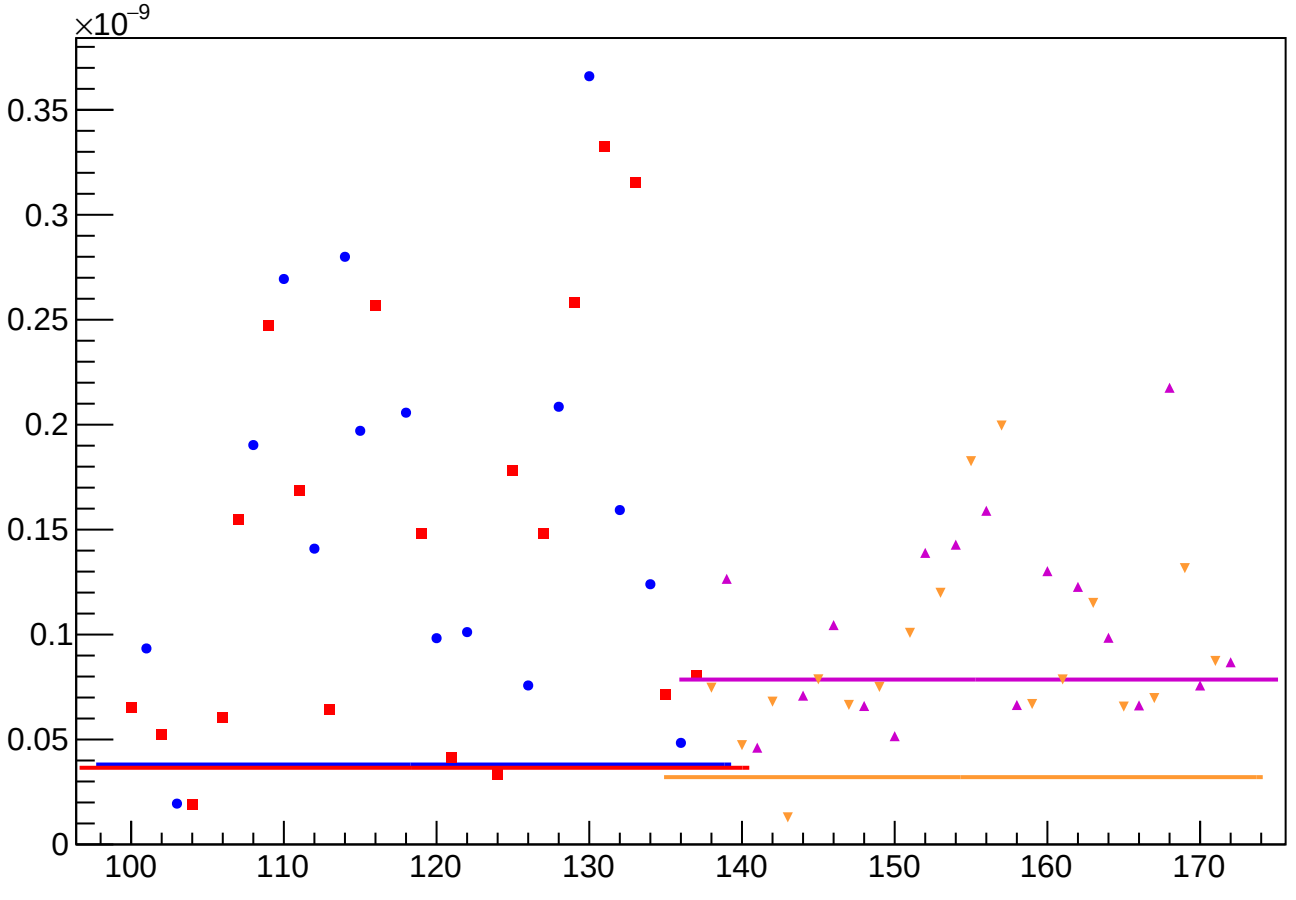
Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 4102.328+/-0.676 χ^2/NDF:5463611.2/32

Out: 3951.614+/-0.649 χ^2/NDF:5582856.9/36

All: 4023.849+/-0.468 χ^2/NDF: 11072337.7/6


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:16.6/17
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: 34.3/34
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:33.4/36
All: 0.000+/-0.000 χ²/NDF: 61.7/69



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5632595.5/17

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: 9763287.1/34

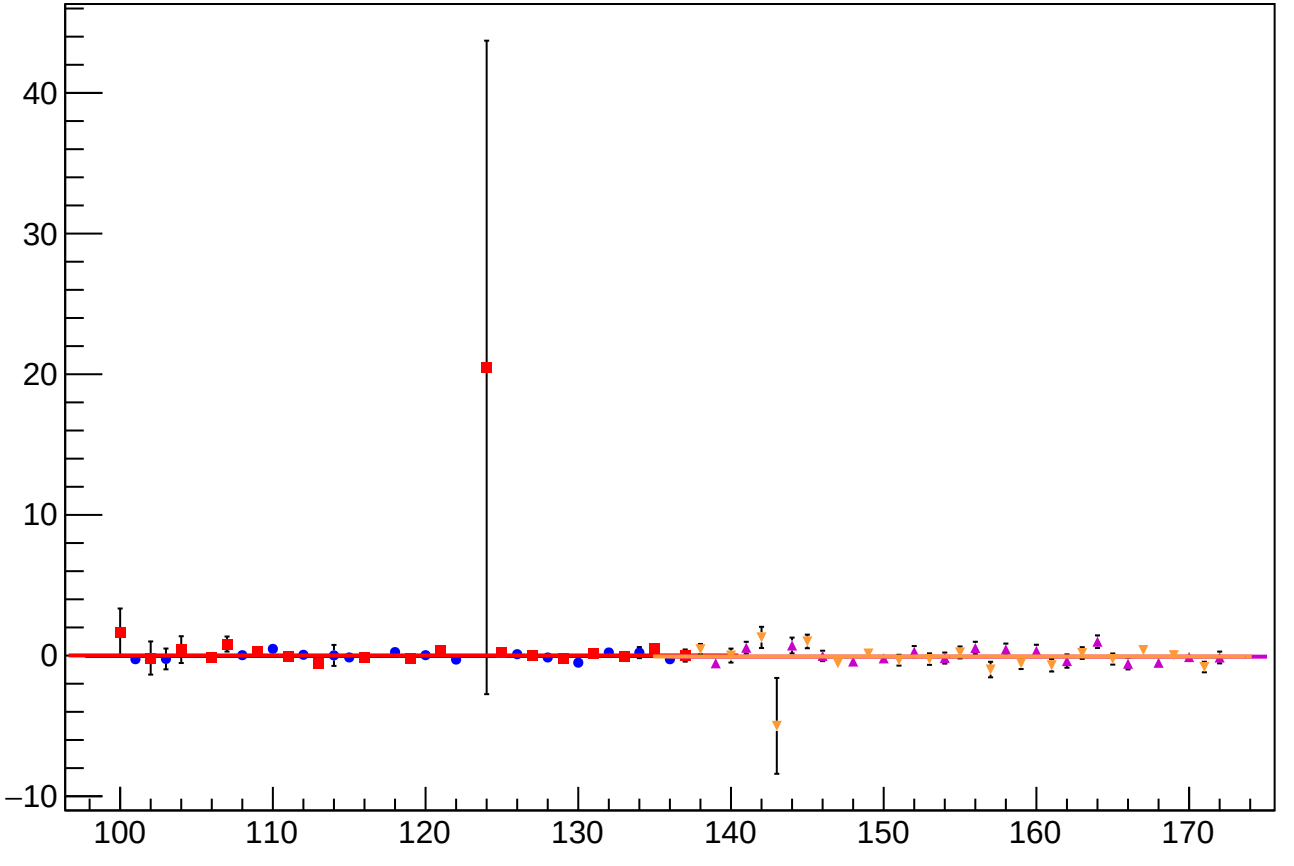
Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:5787654.1/32

Out: 0.000+/-0.000 χ^2/NDF:8343689.6/36

All: 0.000+/-0.000 χ^2/NDF: 15404944.6/69

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: -0.065+/-0.090 χ^2/NDF:29.2/17

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: -0.071+/-0.062 χ^2/NDF: 53.1/34

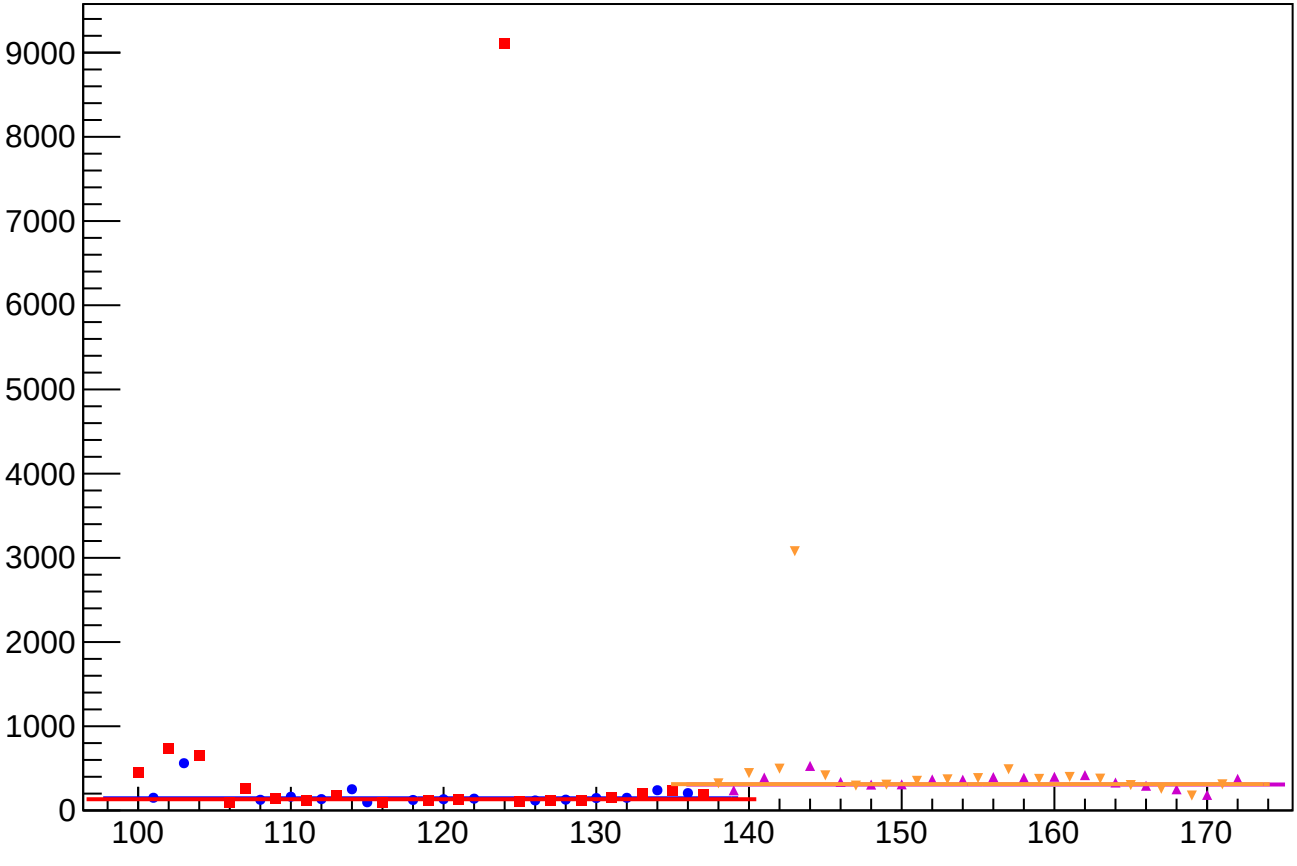
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.043+/-0.048 χ^2/NDF:41.3/32

Out: -0.011+/-0.048 χ^2/NDF:51.5/36

All: -0.027+/-0.034 χ^2/NDF: 93.1/69

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 312.440+/-0.063 χ^2/NDF:3163846.2/17

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 308.197+/-0.061 χ^2/NDF:1805386.4/16

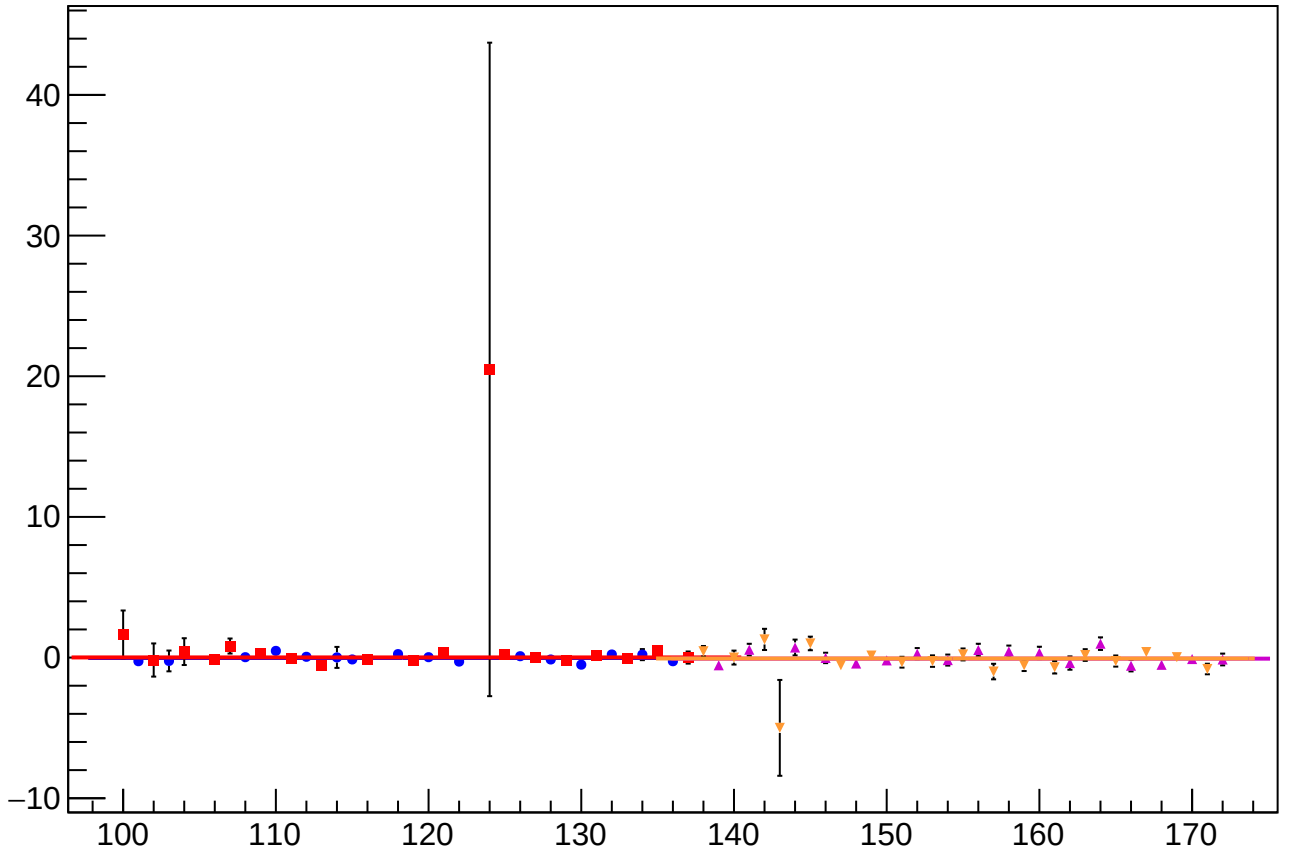
Left: 310.244+/-0.044 χ^2/NDF: 4971552.7/34

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 194.901+/-0.034 χ^2/NDF:7895568.0/32

Out: 184.238+/-0.034 χ^2/NDF:11105820.9/36

All: 189.539+/-0.024 χ^2/NDF: 19050867.0/69



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.065+/-0.090 χ^2/NDF:29.2/17

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.076+/-0.087 χ^2/NDF:23.8/16

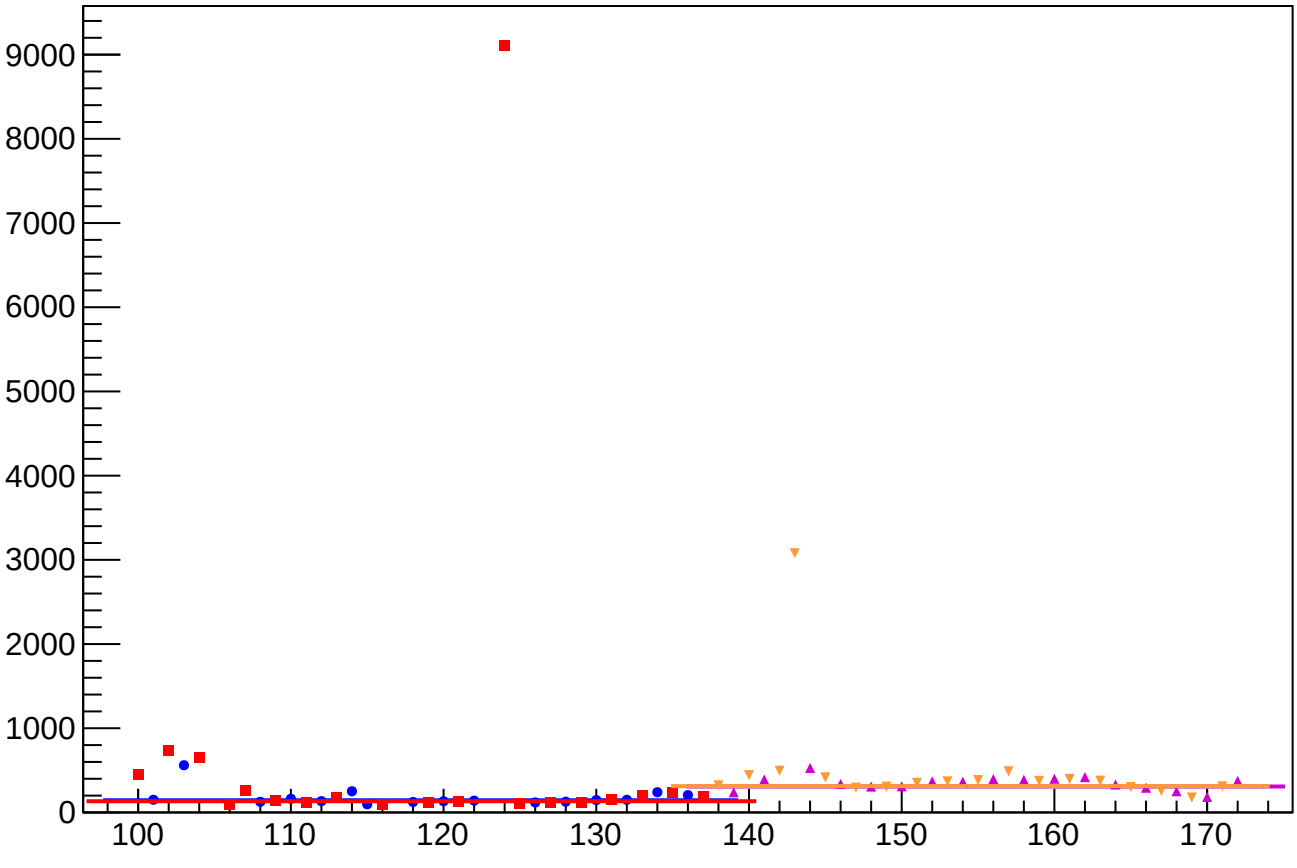
Left: -0.071+/-0.062 χ^2/NDF: 53.1/34

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.043+/-0.048 χ^2/NDF:41.3/32

Out: -0.011+/-0.048 χ^2/NDF:51.5/36

All: -0.027+/-0.034 χ^2/NDF: 93.1/69



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 312.440+/-0.063 χ^2/NDF:3163846.2/17

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 308.197+/-0.061 χ^2/NDF:1805386.4/16

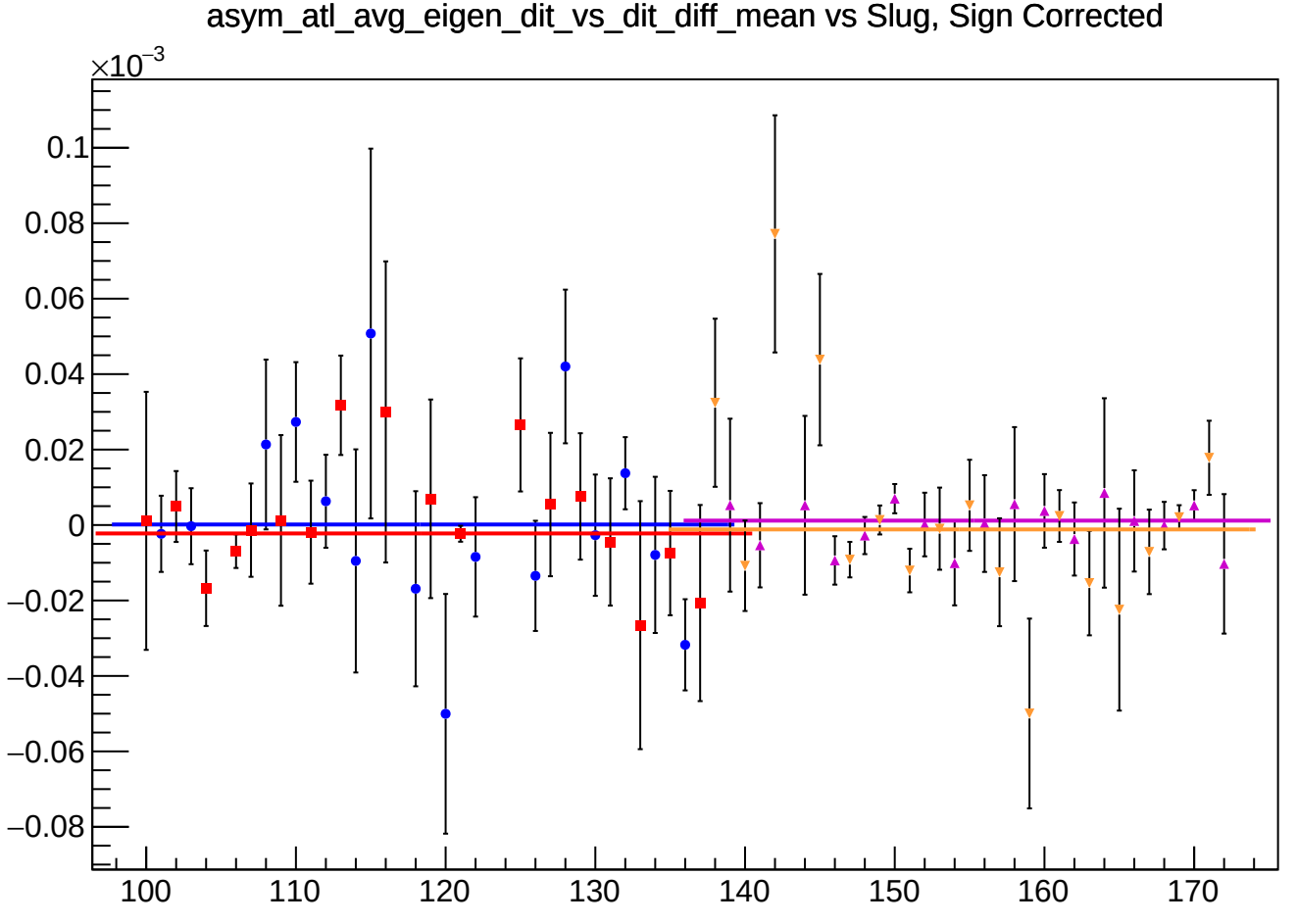
Left: 310.244+/-0.044 χ^2/NDF: 4971552.7/34

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 194.901+/-0.034 χ^2/NDF:7895568.0/32

Out: 184.238+/-0.034 χ^2/NDF:11105820.9/36

All: 189.539+/-0.024 χ^2/NDF: 19050867.0/69



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/16

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/17

Left In: 0.000+/-0.000 χ^2/NDF:8.9/16

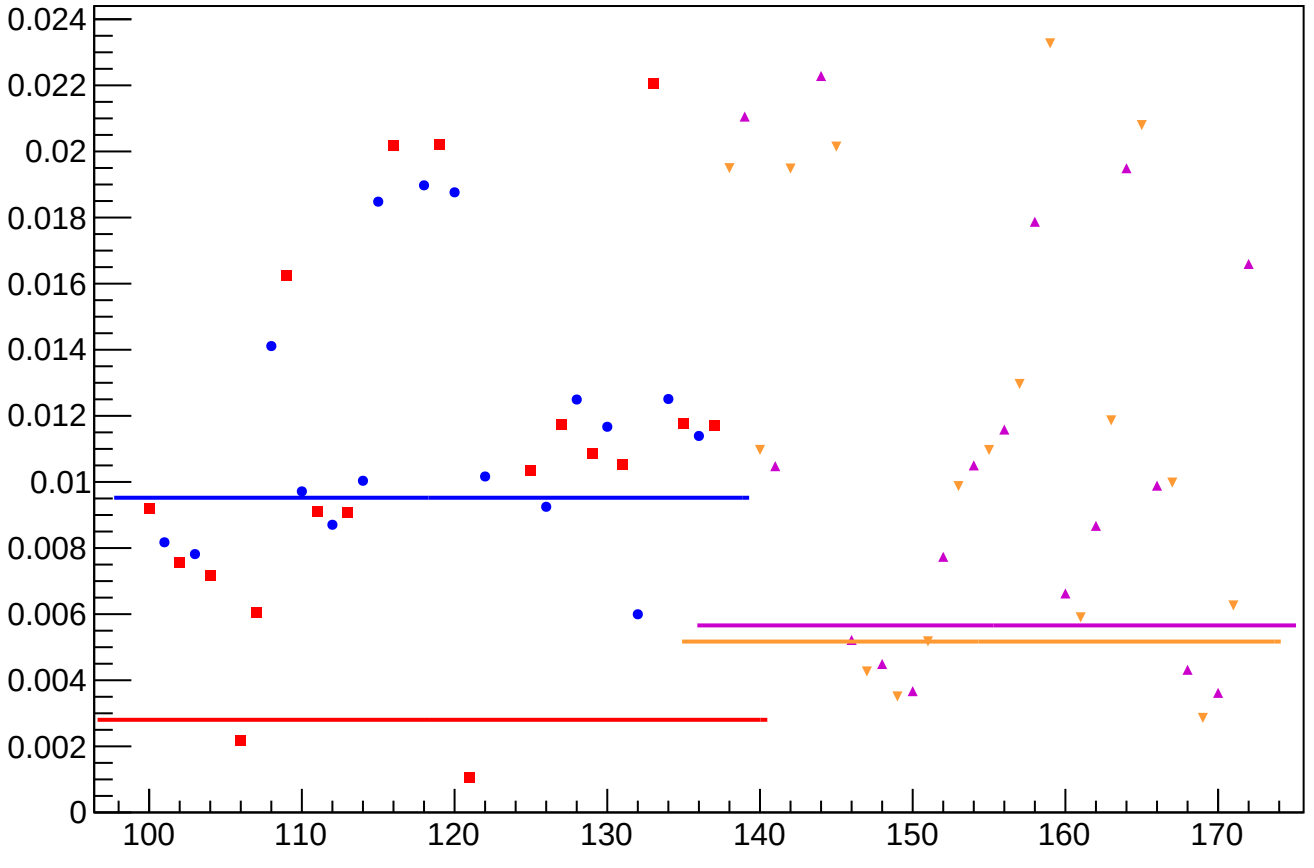
Left: -0.000+/-0.000 χ^2/NDF: 41.4/33

Right: -0.000+/-0.000 χ^2/NDF: 38.7/33

In: 0.000+/-0.000 χ^2/NDF:31.8/32

Out: -0.000+/-0.000 χ^2/NDF:47.4/34

All: -0.000+/-0.000 χ^2/NDF: 80.9/67



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.005+/-0.000 χ^2/NDF:8106773.7/16

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: 15047887.5/33

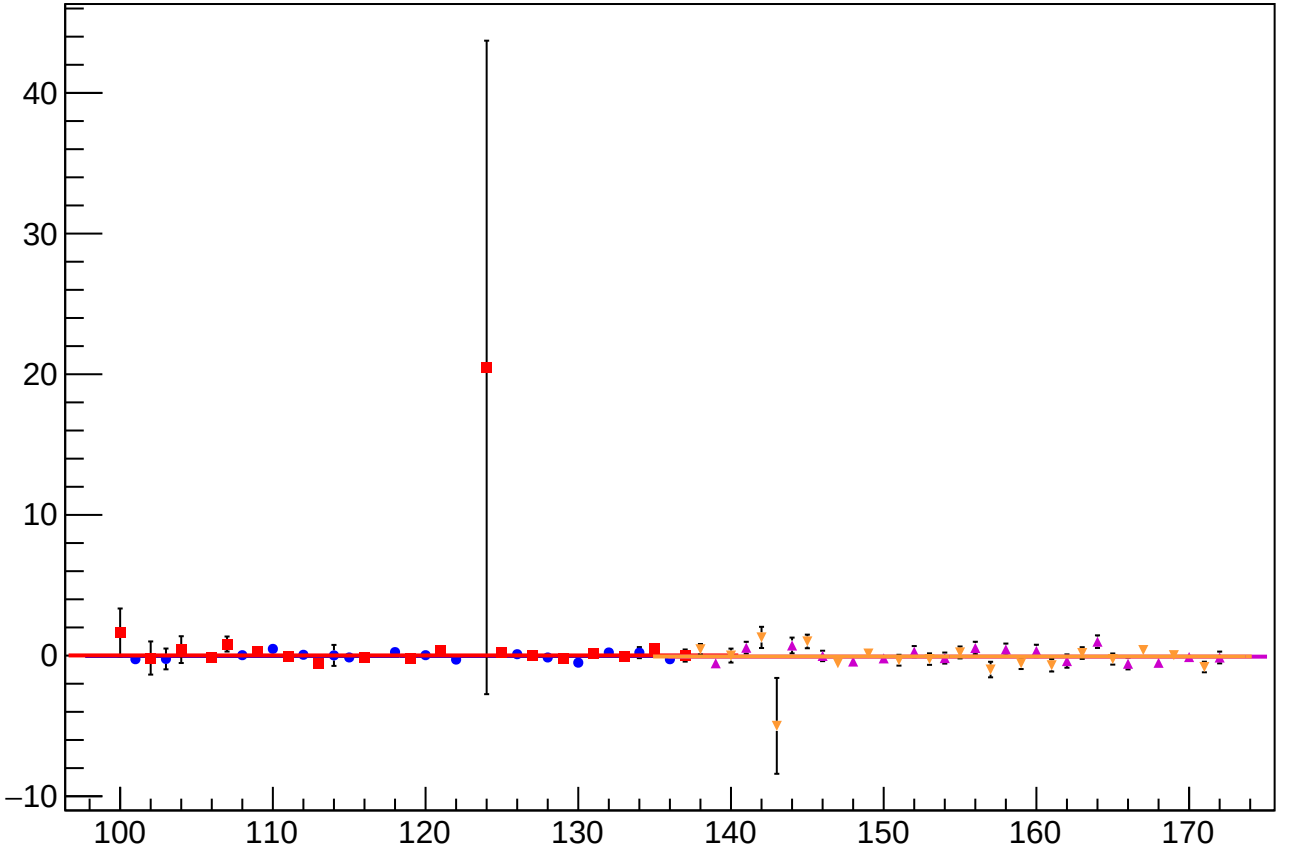
Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.006+/-0.000 χ^2/NDF:9711987.4/32

Out: 0.004+/-0.000 χ^2/NDF:18522522.9/34

All: 0.005+/-0.000 χ^2/NDF: 31071744.7/67

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: -0.065+/-0.090 χ^2/NDF:29.2/17

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.076+/-0.087 χ^2/NDF:23.8/16

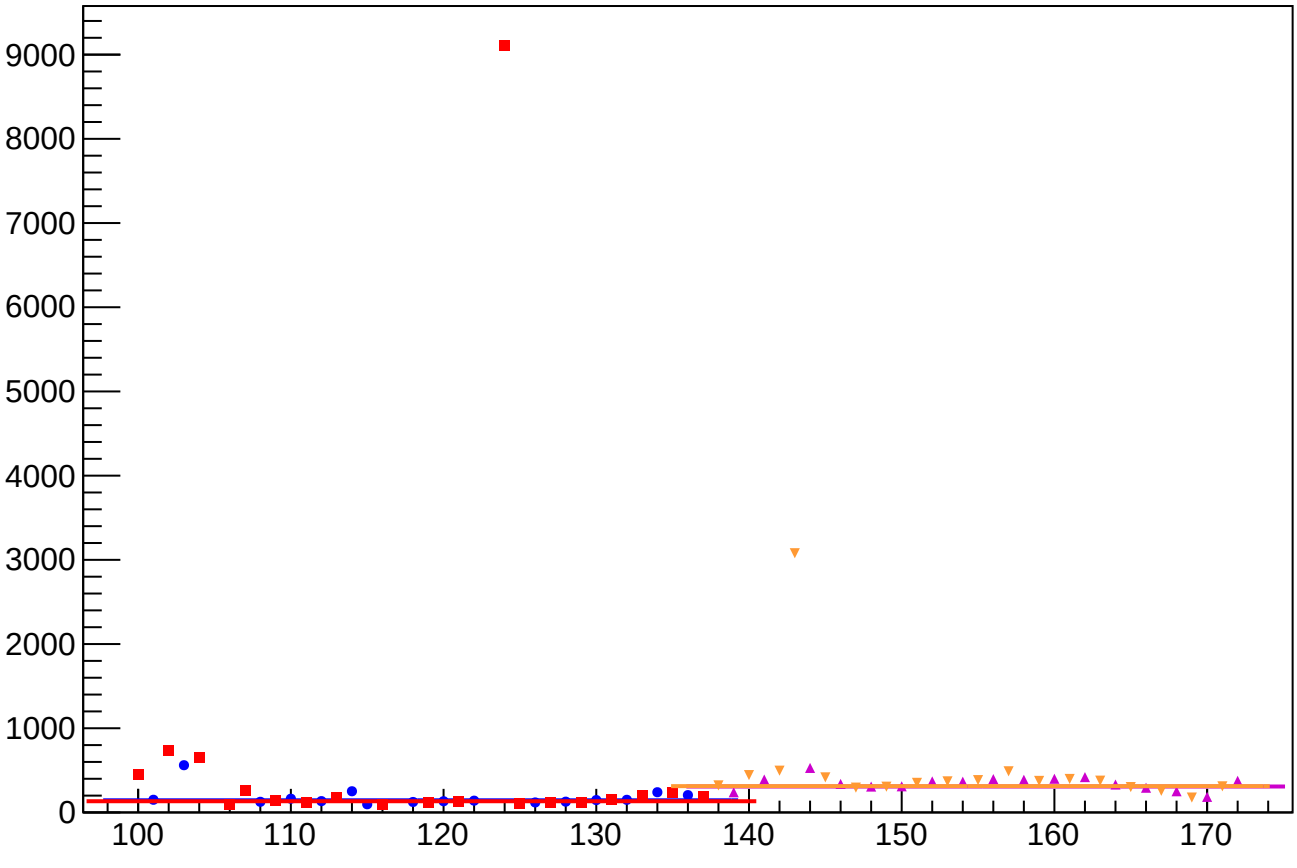
Left: -0.071+/-0.062 χ^2/NDF: 53.1/34

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.043+/-0.048 χ^2/NDF:41.3/32

Out: -0.011+/-0.048 χ^2/NDF:51.5/36

All: -0.027+/-0.034 χ^2/NDF: 93.1/69



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 312.443+/-0.063 χ^2/NDF:3163926.3/17

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: 310.247+/-0.044 χ^2/NDF: 4971642.8/34

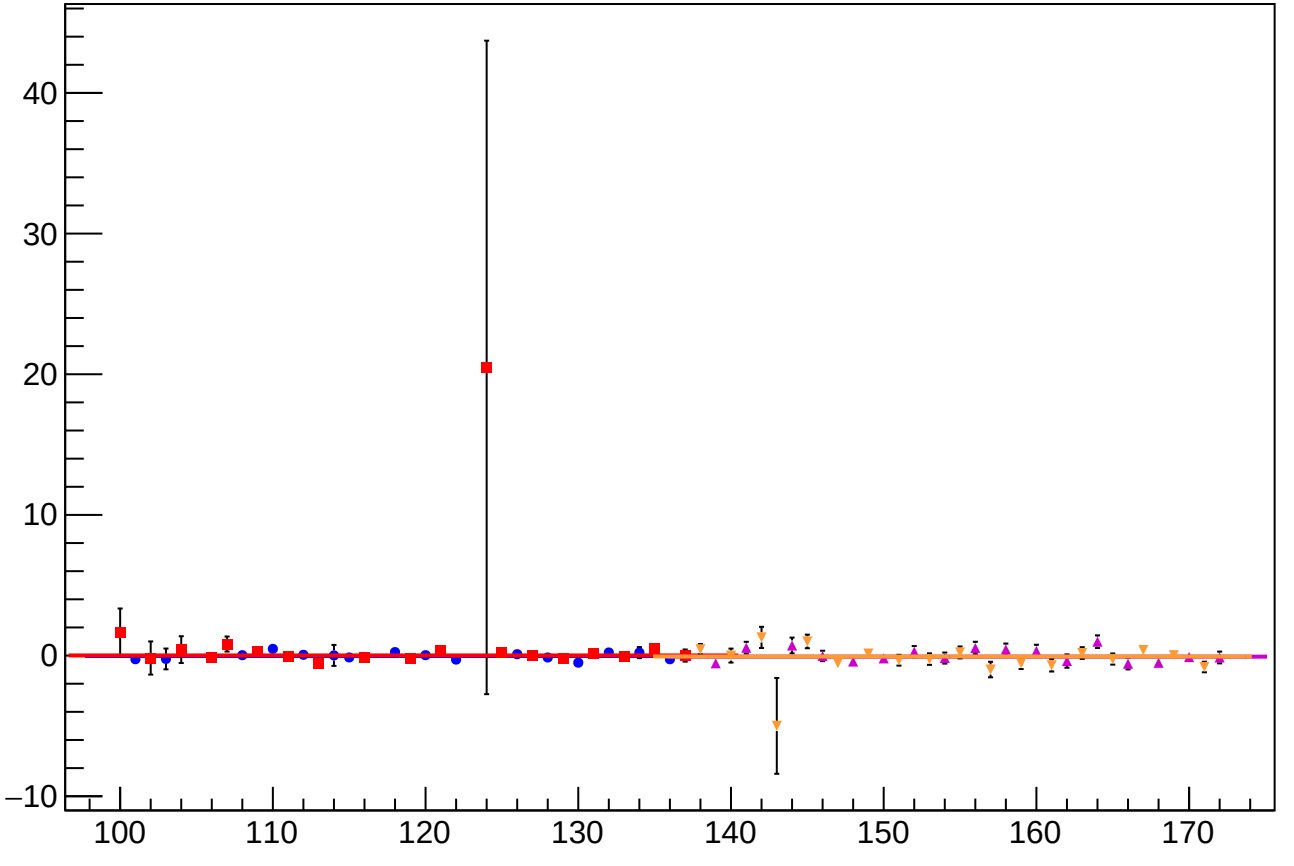
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 194.900+/-0.034 χ^2/NDF:7895839.1/32

Out: 184.237+/-0.034 χ^2/NDF:11106018.5/36

All: 189.538+/-0.024 χ^2/NDF: 19051330.8/69

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: -0.065+/-0.090 χ^2/NDF:29.2/17

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: -0.071+/-0.062 χ^2/NDF: 53.1/34

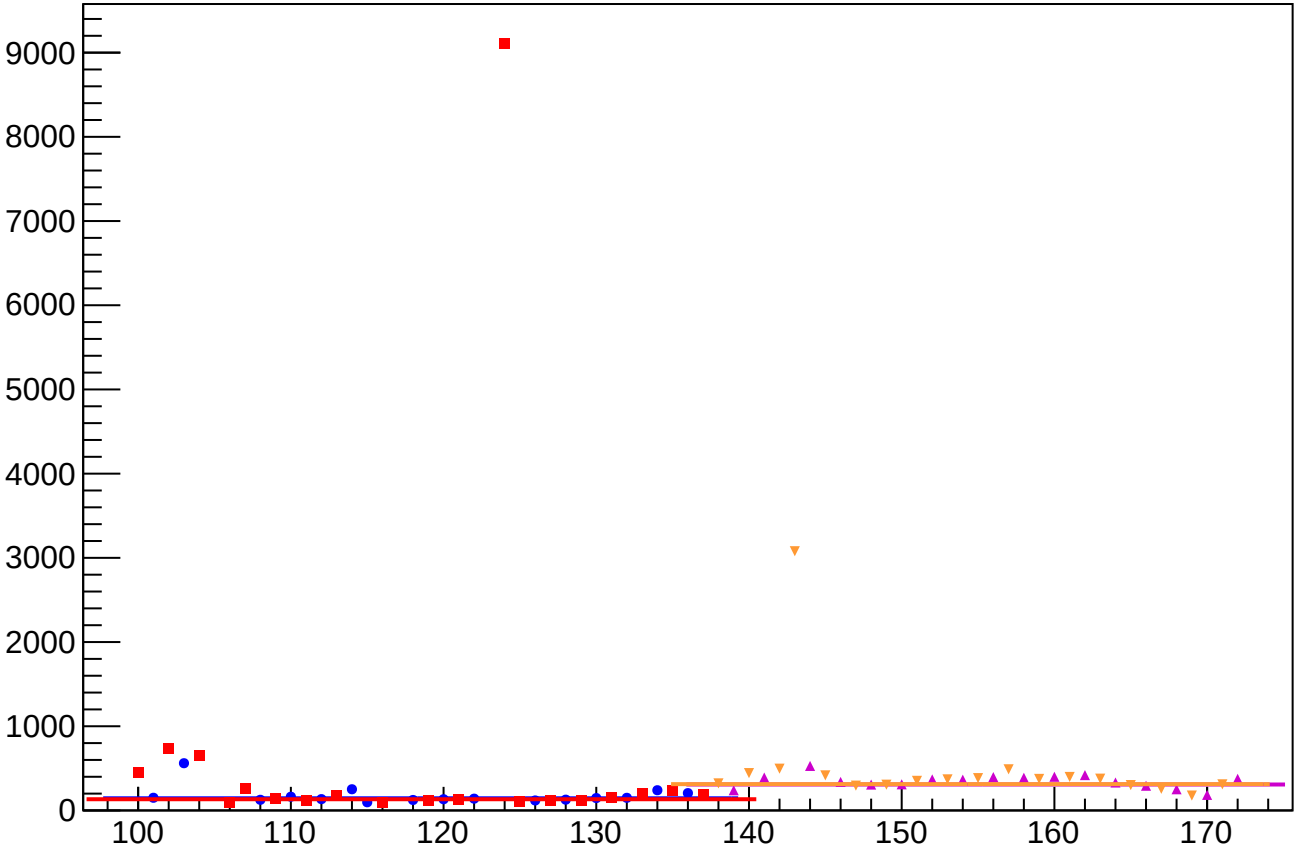
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.043+/-0.048 χ^2/NDF:41.3/32

Out: -0.011+/-0.048 χ^2/NDF:51.5/36

All: -0.027+/-0.034 χ^2/NDF: 93.1/69

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: 312.443+/-0.063 χ^2/NDF:3163926.3/17

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 308.201+/-0.061 χ^2/NDF:1805397.0/16

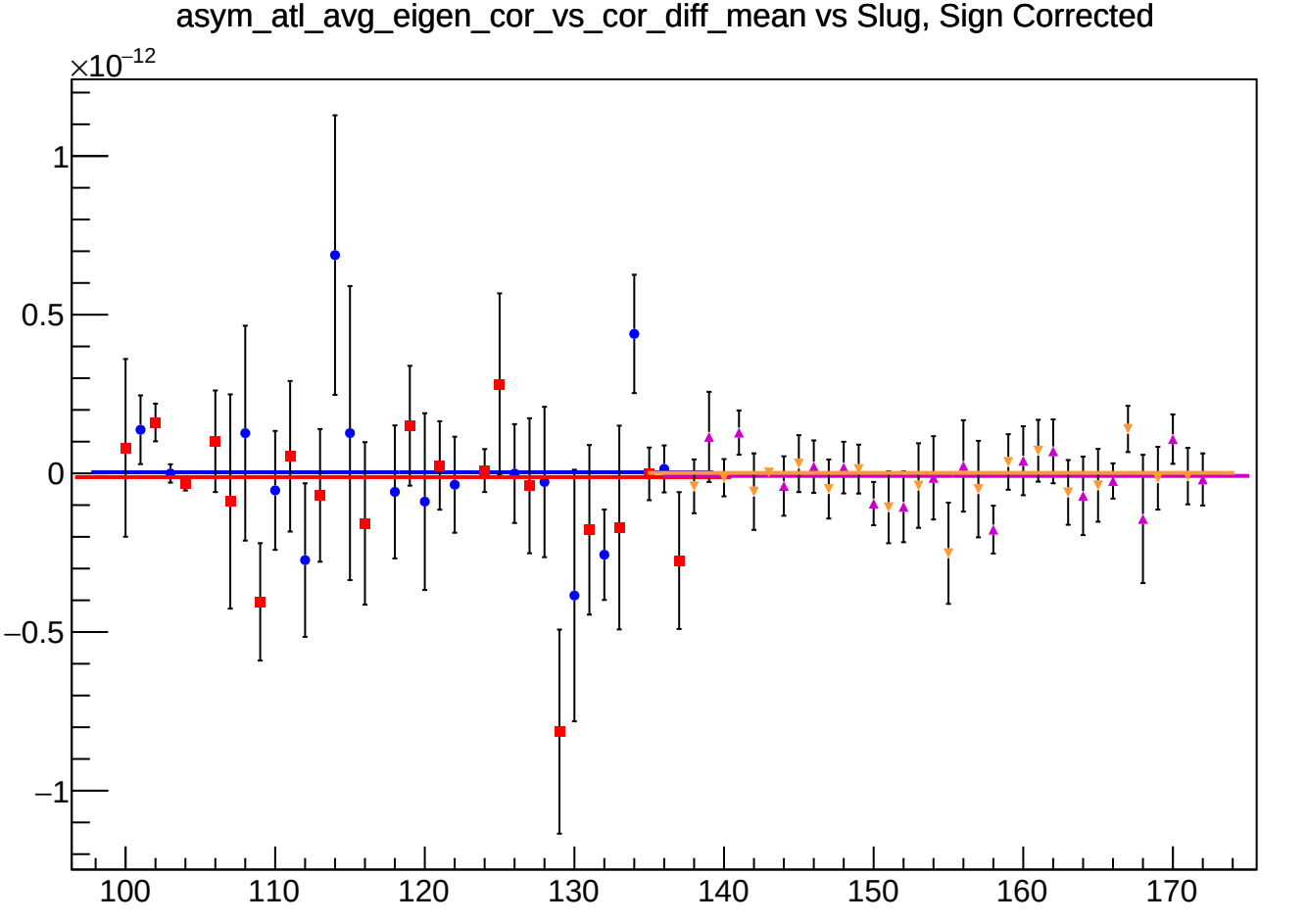
Left: 310.247+/-0.044 χ^2/NDF: 4971642.8/34

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 194.900+/-0.034 χ^2/NDF:7895839.1/32

Out: 184.237+/-0.034 χ^2/NDF:11106018.5/36

All: 189.538+/-0.024 χ^2/NDF: 19051330.8/69



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.4/17

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:16.2/16

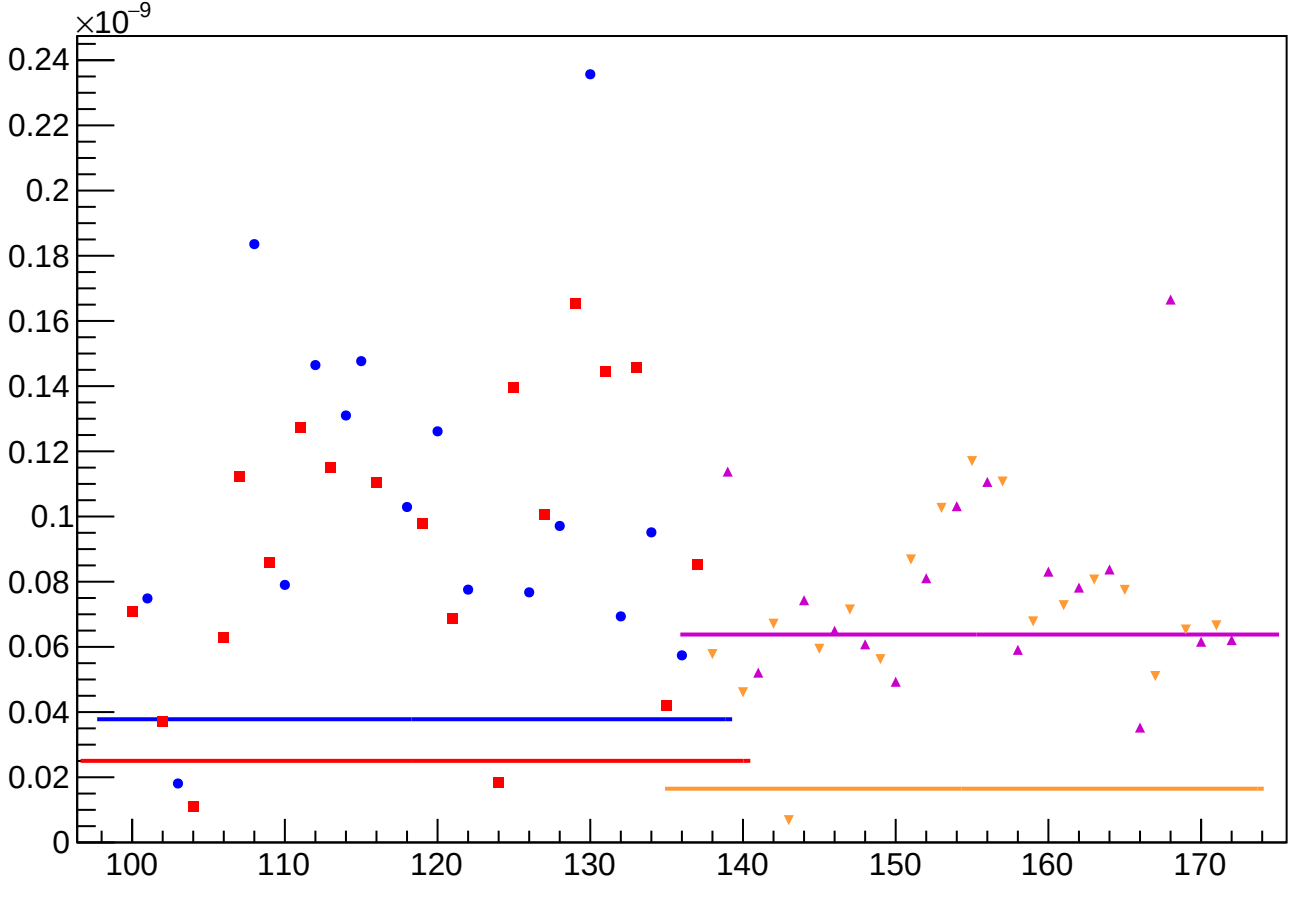
Left: 0.000+/-0.000 χ^2/NDF: 25.9/34

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:35.0/36

All: -0.000+/-0.000 χ^2/NDF: 67.0/69



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:12328650.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2074019.3/16

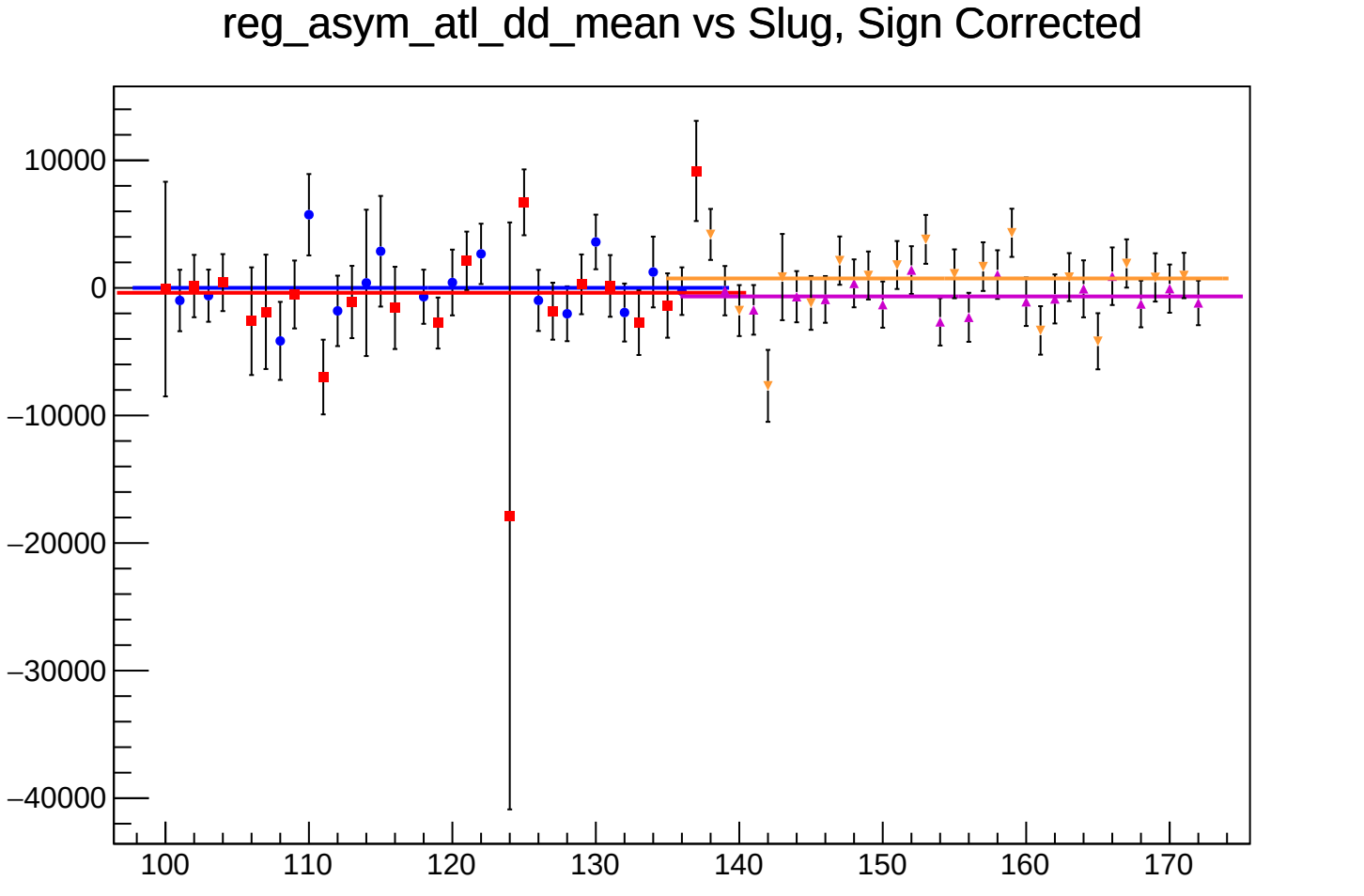
Left: 0.000+/-0.000 χ^2/NDF: 22562753.7/34

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

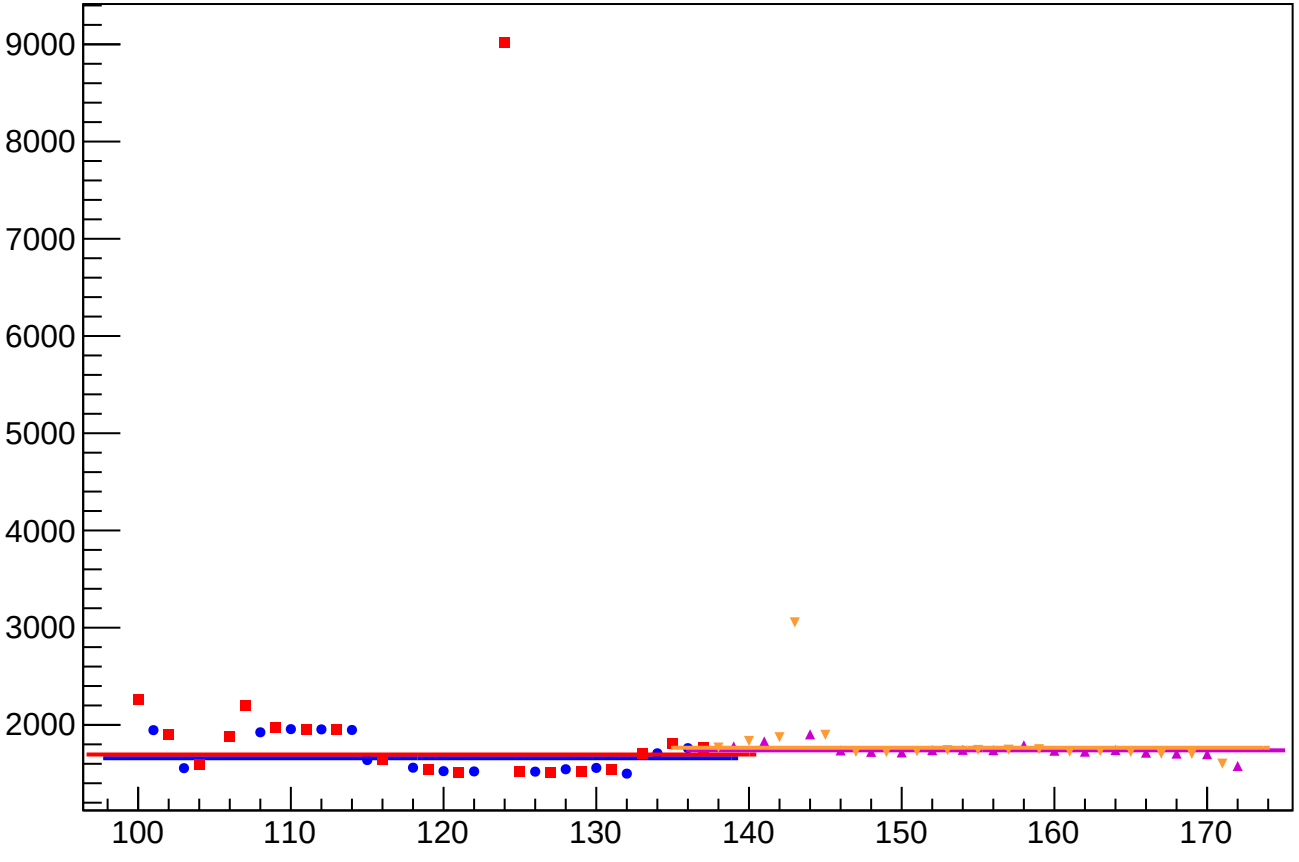
In: 0.000+/-0.000 χ^2/NDF:7320514.9/32

Out: 0.000+/-0.000 χ^2/NDF:17371292.7/36

All: 0.000+/-0.000 χ^2/NDF: 31819654.7/69


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: 740.684+/-470.203 χ²/NDF:31.6/17
Right Out: -384.758+/-633.682 χ²/NDF: 24.1/18
Left In: -669.415+/-464.374 χ²/NDF:5.6/16
Left: 26.839+/-330.403 χ²/NDF: 41.8/34
Right: -185.916+/-443.130 χ²/NDF: 36.7/34
In: -427.222+/-371.659 χ²/NDF:18.8/32
Out: 341.057+/-377.604 χ²/NDF:57.7/36
All: -49.179+/-264.879 χ²/NDF: 78.6/69

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1765.151+/-0.332 χ^2/NDF:331751.2/17

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1738.429+/-0.328 χ^2/NDF:39546.3/16

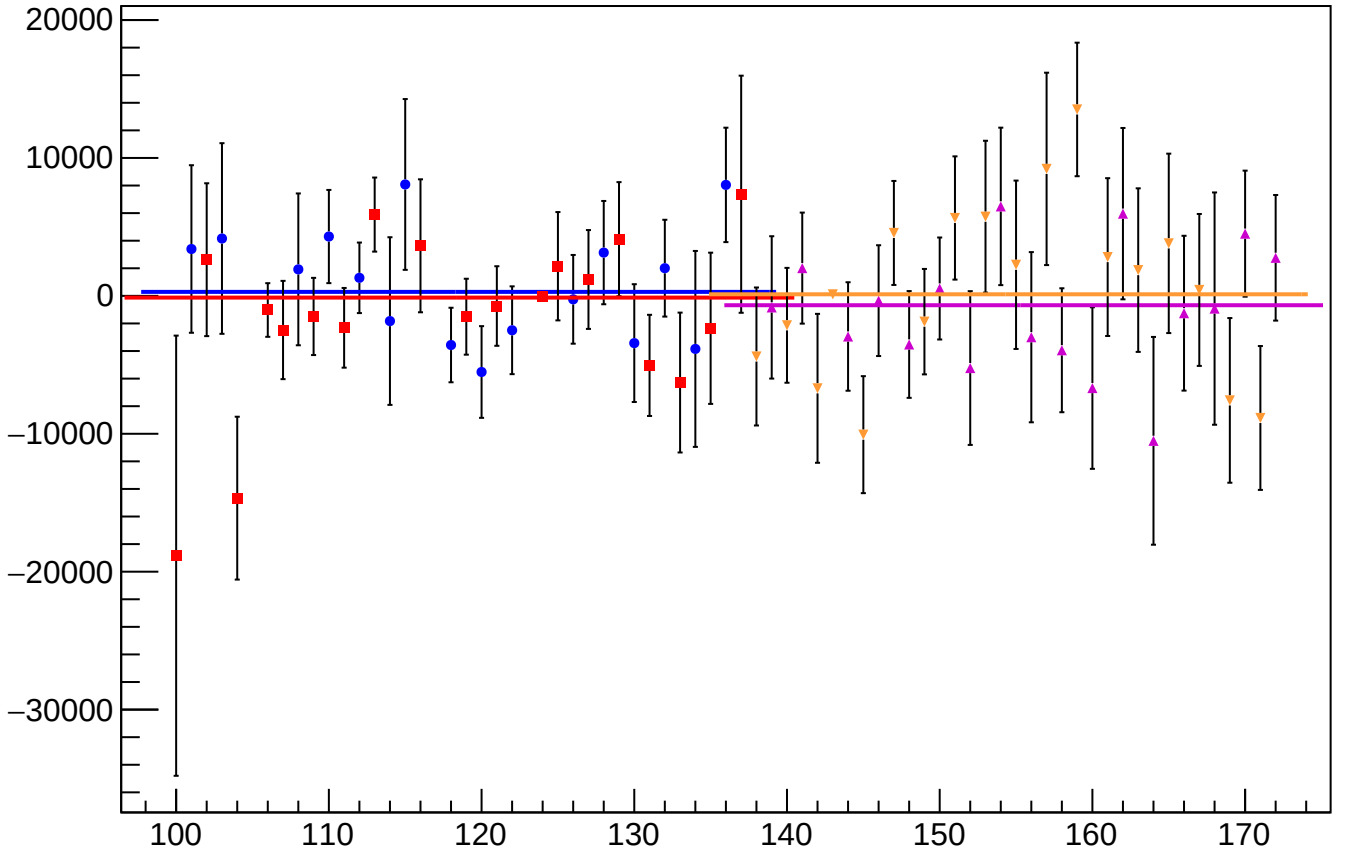
Left: 1751.624+/-0.234 χ^2/NDF: 374567.6/34

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1709.202+/-0.263 χ^2/NDF:205569.3/32

Out: 1740.325+/-0.267 χ^2/NDF:733576.3/36

All: 1724.542+/-0.187 χ^2/NDF: 946058.3/69



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 114.717+/-348.748 χ^2/NDF:27.4/17

Right Out: -125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: -678.640+/-1179.336 χ^2/NDF:10.1/16

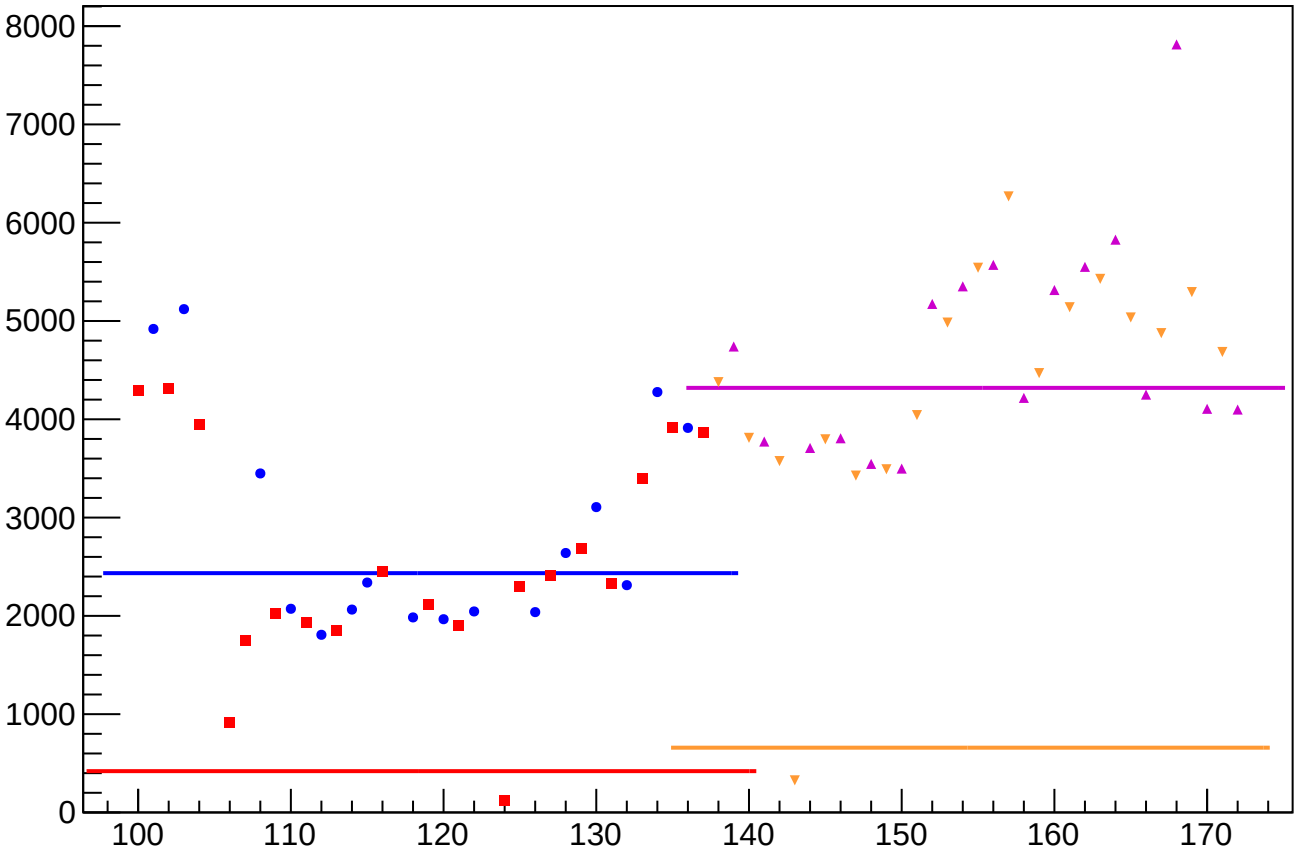
Left: 50.919+/-334.431 χ^2/NDF: 38.0/34

Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: -97.005+/-745.015 χ^2/NDF:25.7/32

Out: -14.367+/-237.257 χ^2/NDF:48.5/36

All: -21.977+/-226.071 χ^2/NDF: 74.3/69



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 659.039+/-0.247 χ^2/NDF:20959576.7/17

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: 953.406+/-0.236 χ^2/NDF: 39754101.5/34

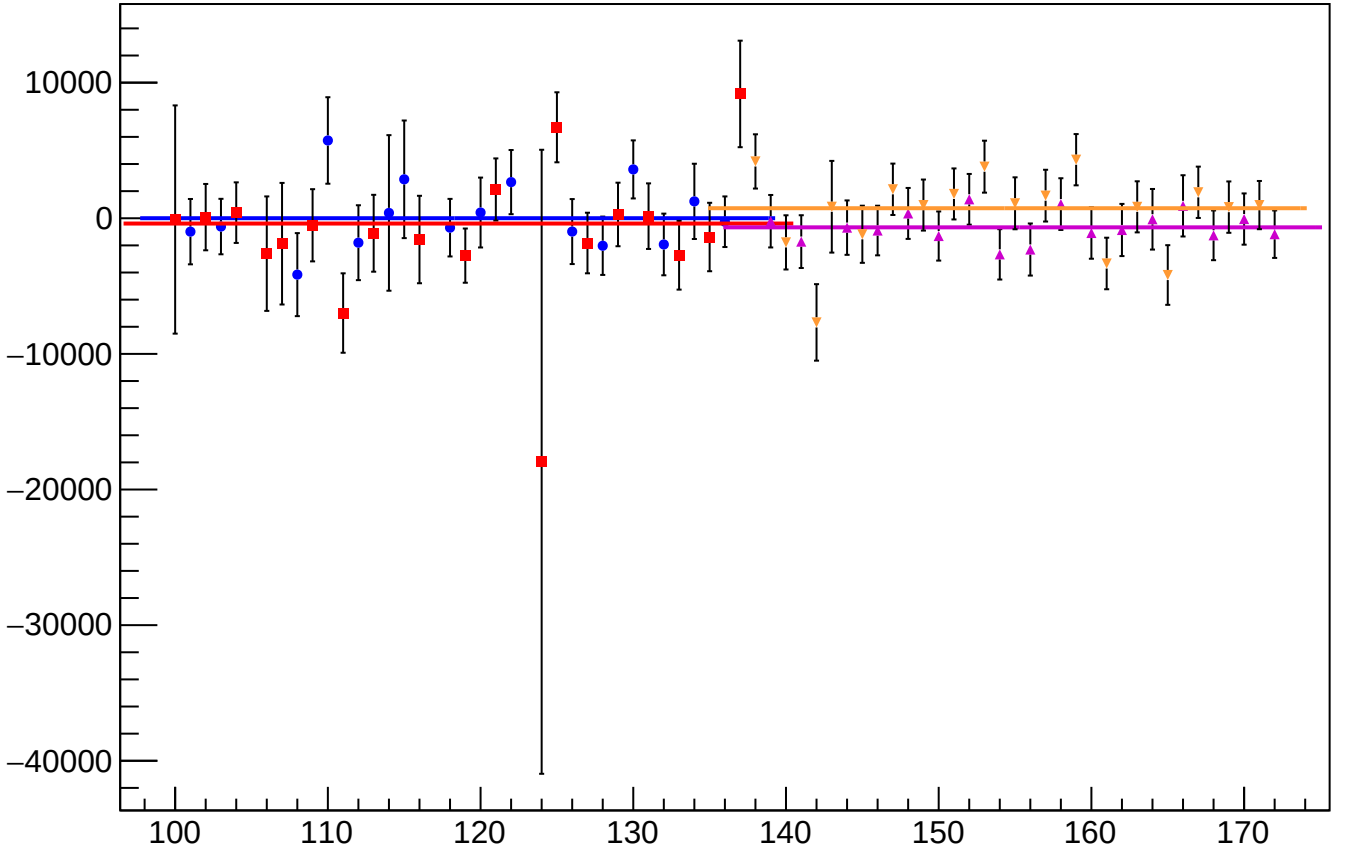
Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 3186.859+/-0.527 χ^2/NDF:5603484.0/32

Out: 530.790+/-0.168 χ^2/NDF:32527049.3/36

All: 775.357+/-0.160 χ^2/NDF: 61210044.4/69

cor_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 740.654+/-470.203 χ^2/NDF:31.6/17

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: 26.813+/-330.403 χ^2/NDF: 41.8/34

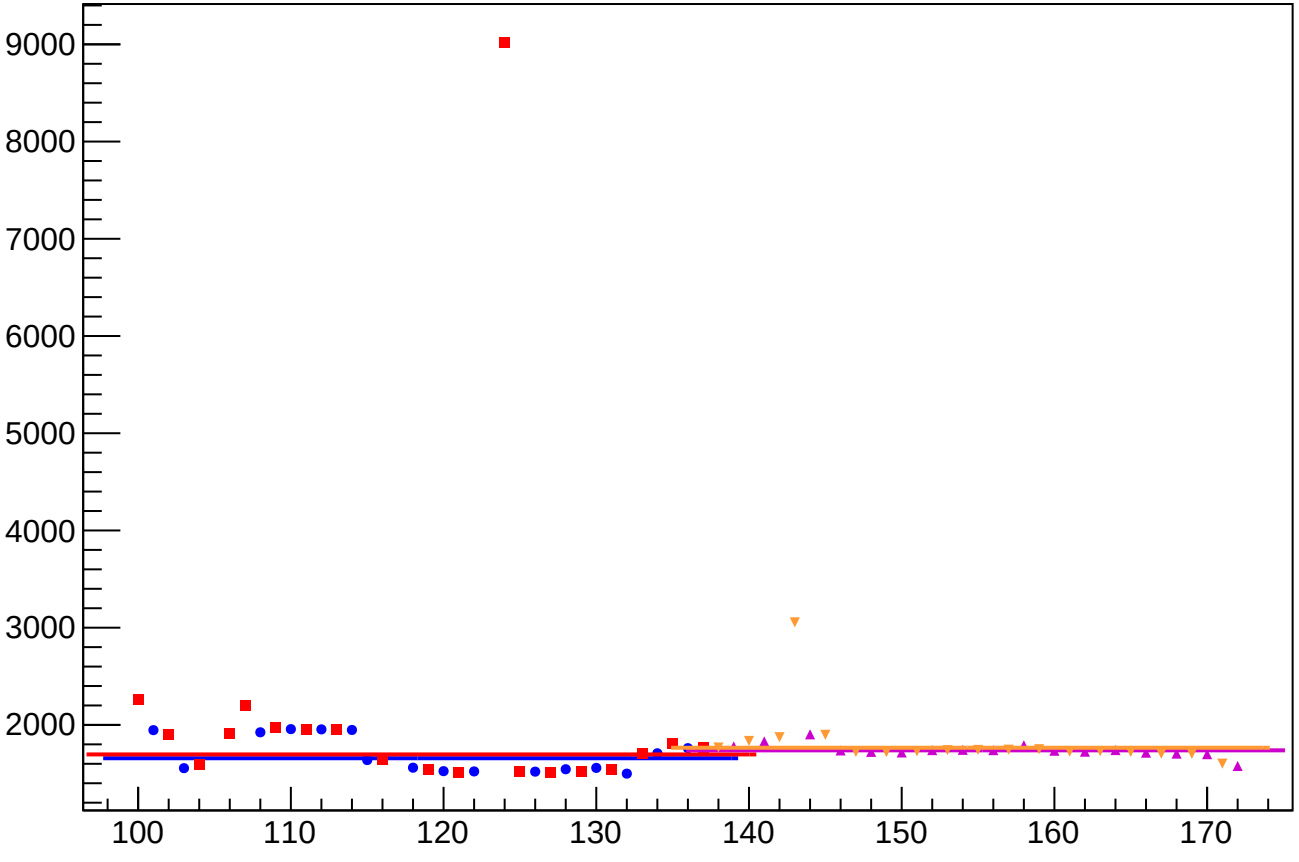
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -427.265+/-371.659 χ^2/NDF:18.8/32

Out: 339.517+/-377.606 χ^2/NDF:57.7/36

All: -49.960+/-264.880 χ^2/NDF: 78.6/69

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1765.151+/-0.332 χ^2/NDF:331751.2/17

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1738.429+/-0.328 χ^2/NDF:39546.3/16

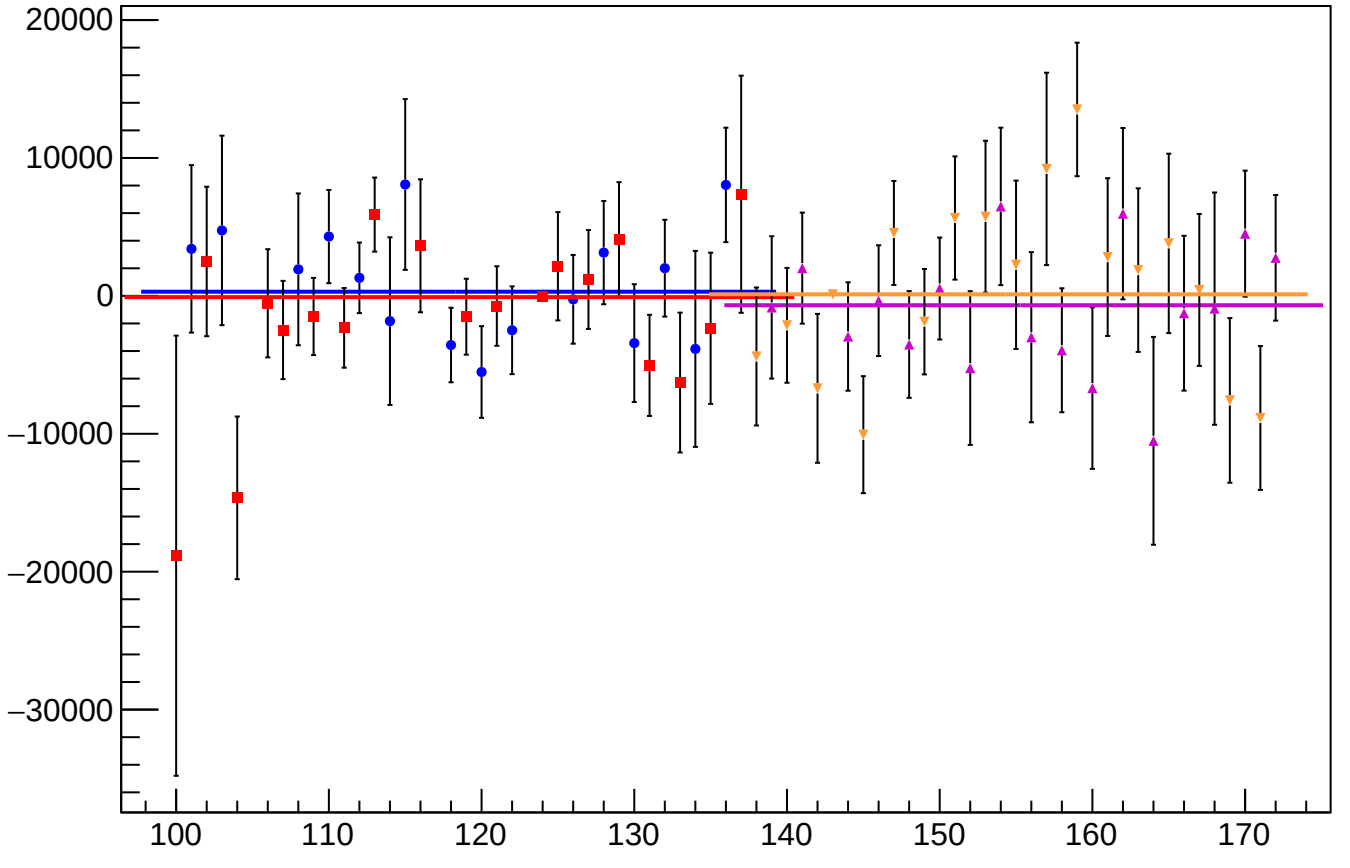
Left: 1751.624+/-0.234 χ^2/NDF: 374567.6/34

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1709.202+/-0.263 χ^2/NDF:205569.4/32

Out: 1740.624+/-0.267 χ^2/NDF:734970.7/36

All: 1724.687+/-0.187 χ^2/NDF: 947584.9/69



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 115.154+/-348.722 χ^2/NDF:27.4/17

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -678.649+/-1179.334 χ^2/NDF:10.1/16

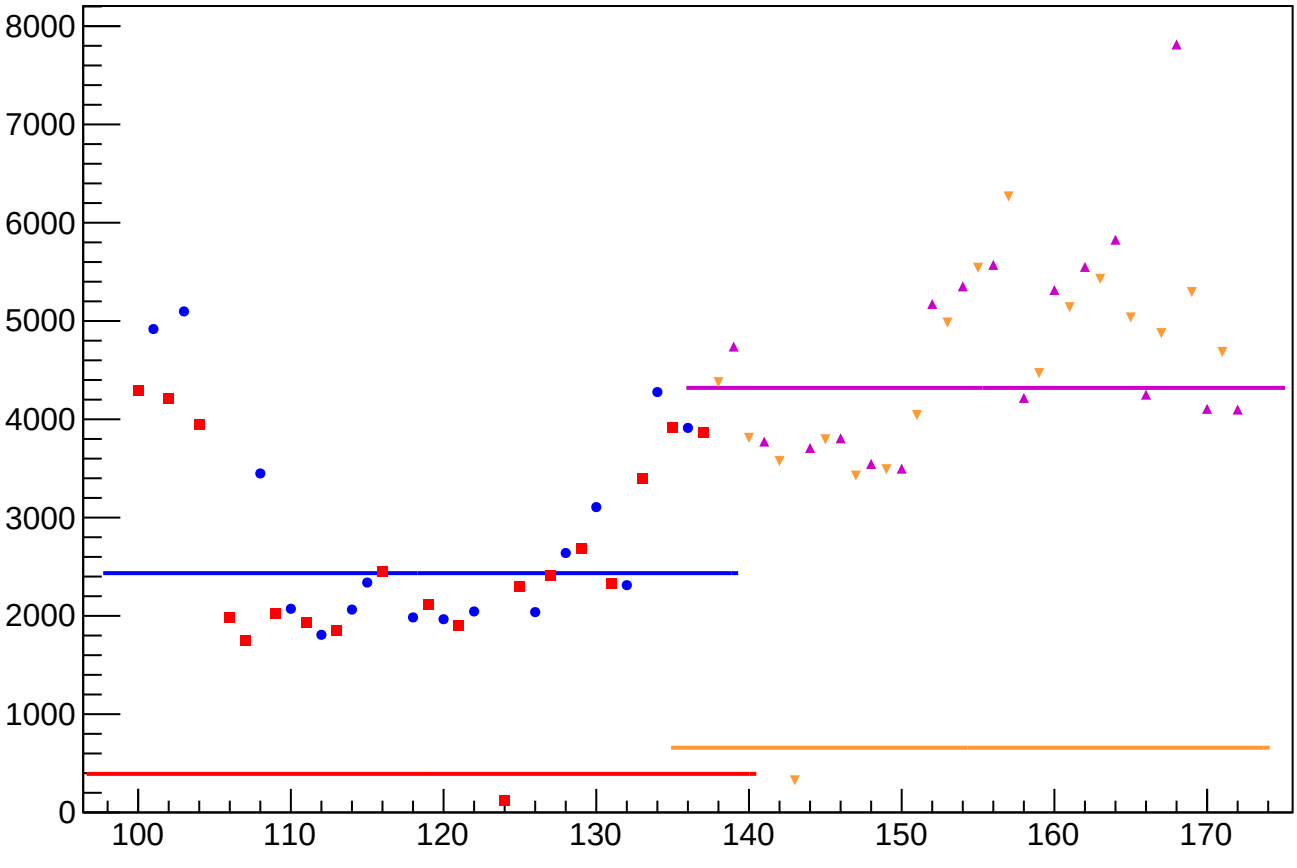
Left: 51.328+/-334.409 χ^2/NDF: 38.0/34

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -89.393+/-744.960 χ^2/NDF:25.9/32

Out: 1.192+/-234.063 χ^2/NDF:48.3/36

All: -6.947+/-223.300 χ^2/NDF: 74.1/69



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 658.964+/-0.247 χ^2/NDF:20960121.0/17

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4319.609+/-0.834 χ^2/NDF:1075273.3/16

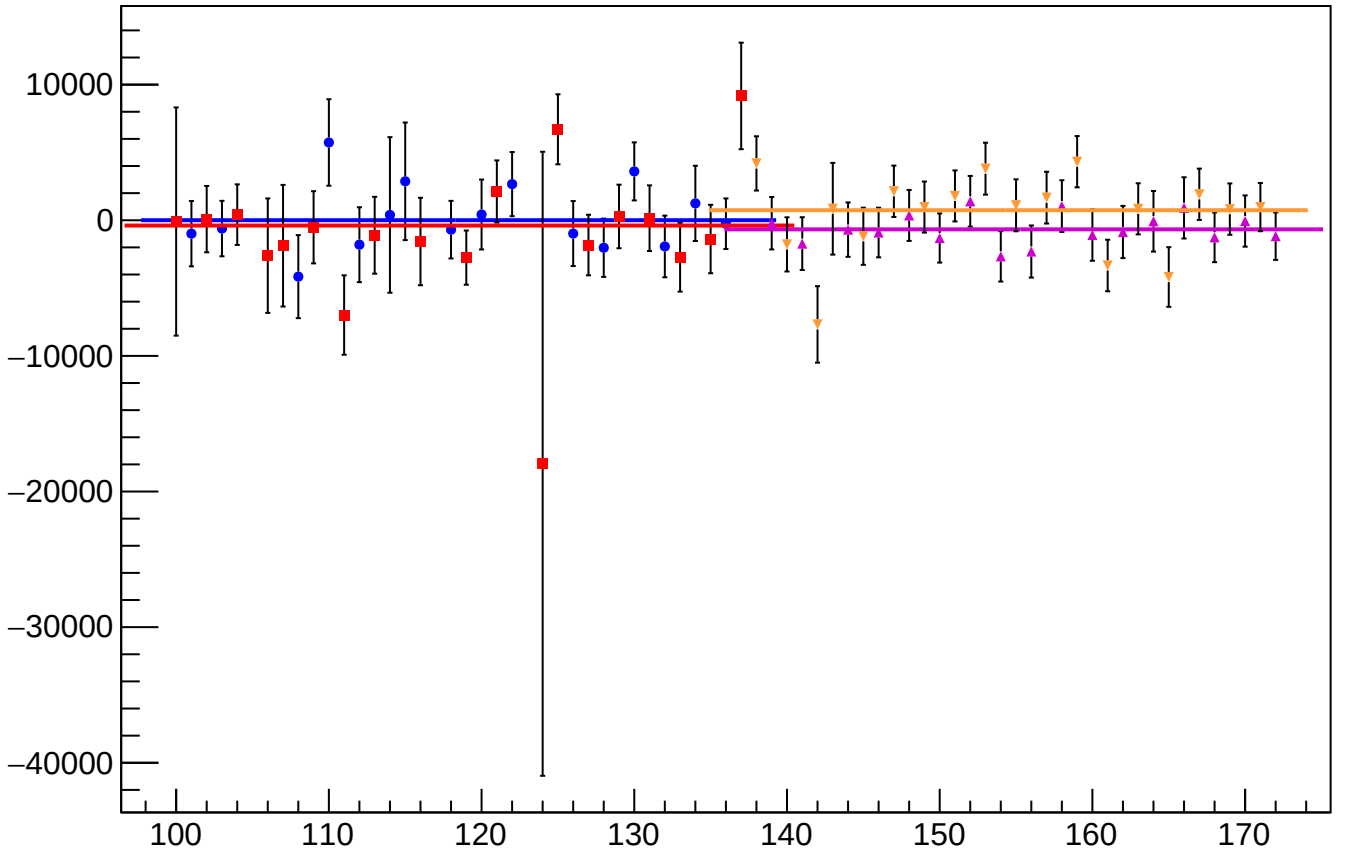
Left: 953.298+/-0.236 χ^2/NDF: 39755565.2/34

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3186.846+/-0.527 χ^2/NDF:5601537.0/32

Out: 512.636+/-0.166 χ^2/NDF:33008994.1/36

All: 752.911+/-0.158 χ^2/NDF: 62067337.6/69



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 740.654+/-470.203 χ^2/NDF:31.6/17

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: 26.813+/-330.403 χ^2/NDF: 41.8/34

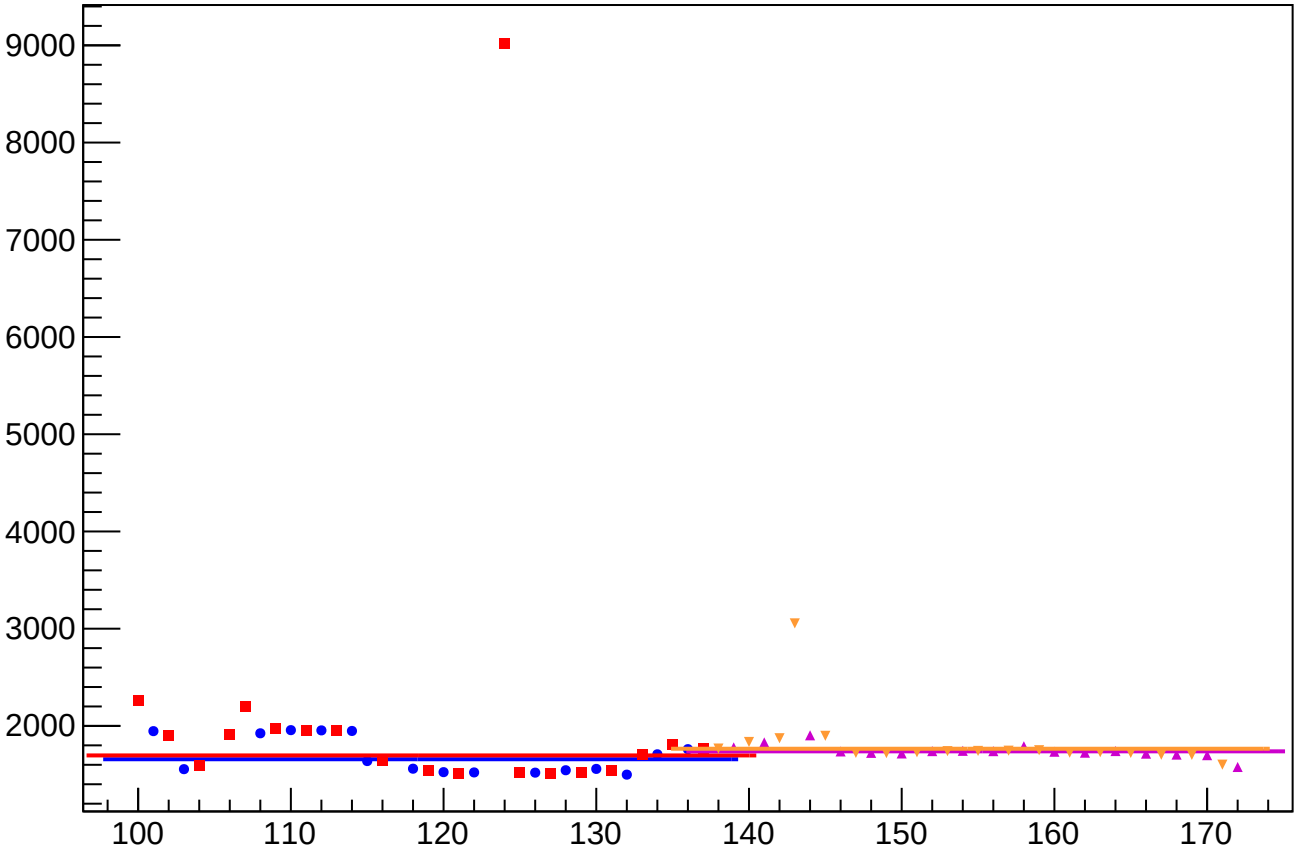
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -427.265+/-371.659 χ^2/NDF:18.8/32

Out: 339.517+/-377.606 χ^2/NDF:57.7/36

All: -49.960+/-264.880 χ^2/NDF: 78.6/69

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1765.151+/-0.332 χ^2/NDF:331751.2/17

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1738.429+/-0.328 χ^2/NDF:39546.3/16

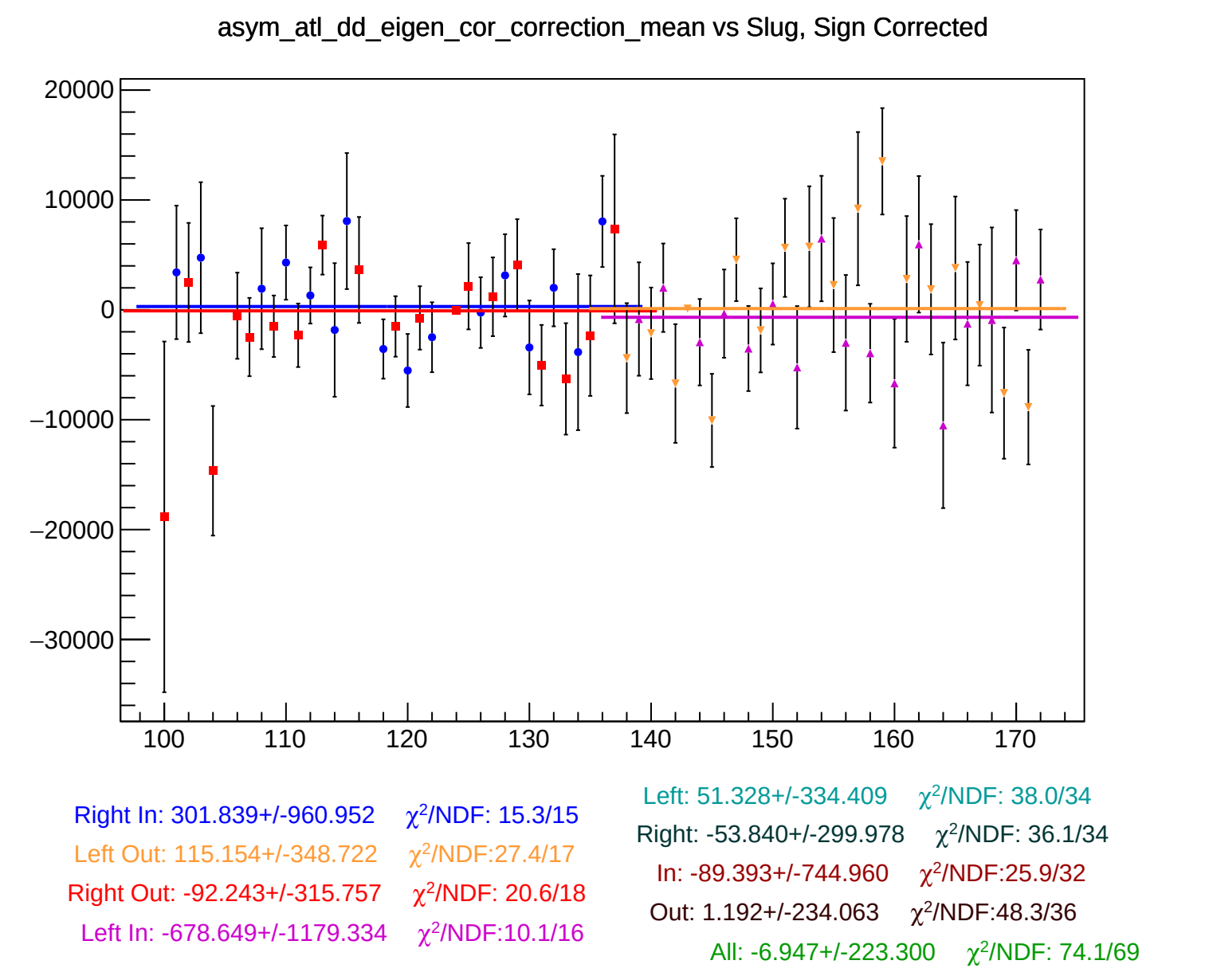
Left: 1751.624+/-0.234 χ^2/NDF: 374567.6/34

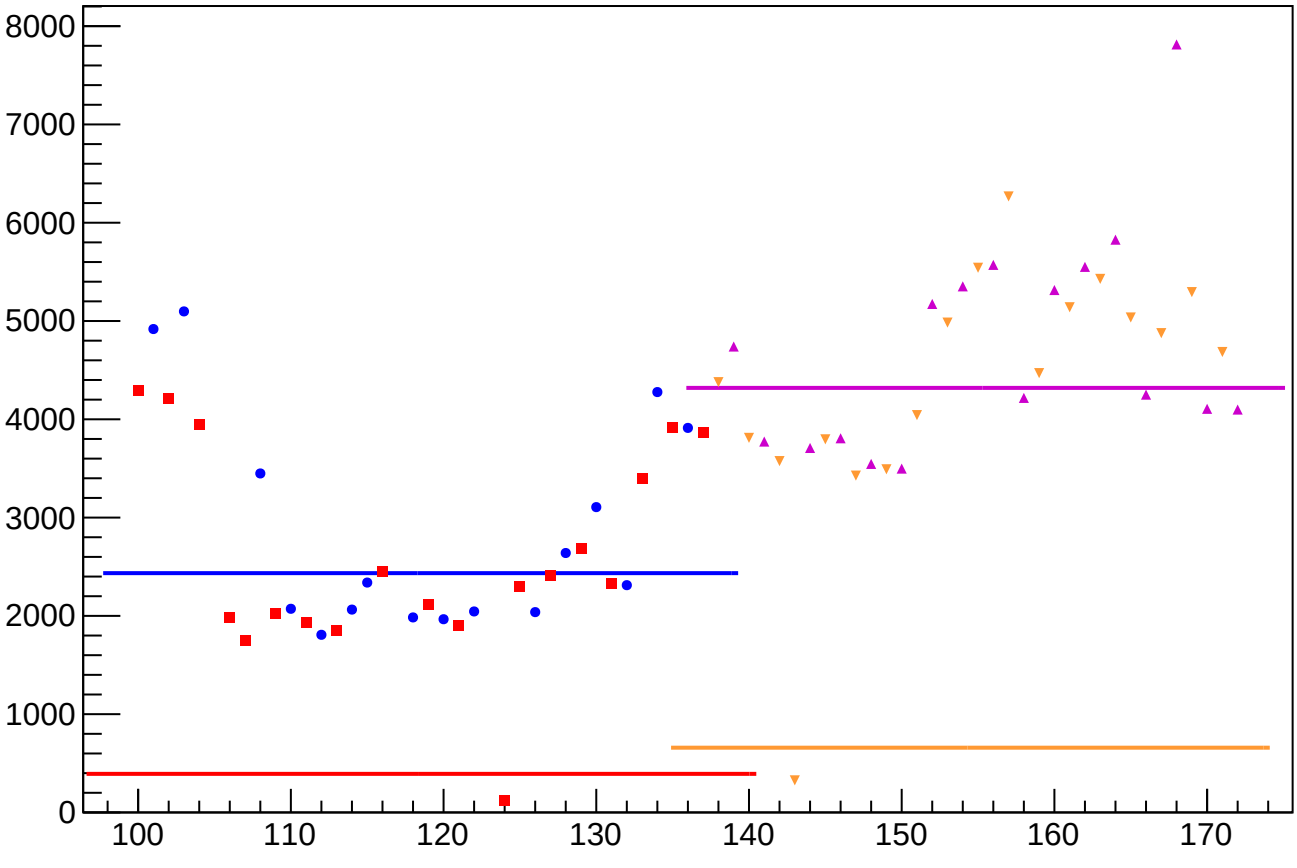
Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1709.202+/-0.263 χ^2/NDF:205569.4/32

Out: 1740.624+/-0.267 χ^2/NDF:734970.7/36

All: 1724.687+/-0.187 χ^2/NDF: 947584.9/69


asym_atl_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: 301.839+/-960.952 χ²/NDF: 15.3/15
Left Out: 115.154+/-348.722 χ²/NDF:27.4/17
Right Out: -92.243+/-315.757 χ²/NDF: 20.6/18
Left In: -678.649+/-1179.334 χ²/NDF:10.1/16
Left: 51.328+/-334.409 χ²/NDF: 38.0/34
Right: -53.840+/-299.978 χ²/NDF: 36.1/34
In: -89.393+/-744.960 χ²/NDF:25.9/32
Out: 1.192+/-234.063 χ²/NDF:48.3/36
All: -6.947+/-223.300 χ²/NDF: 74.1/69



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 658.964+/-0.247 χ^2/NDF:20960121.0/17

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: 953.298+/-0.236 χ^2/NDF: 39755565.2/34

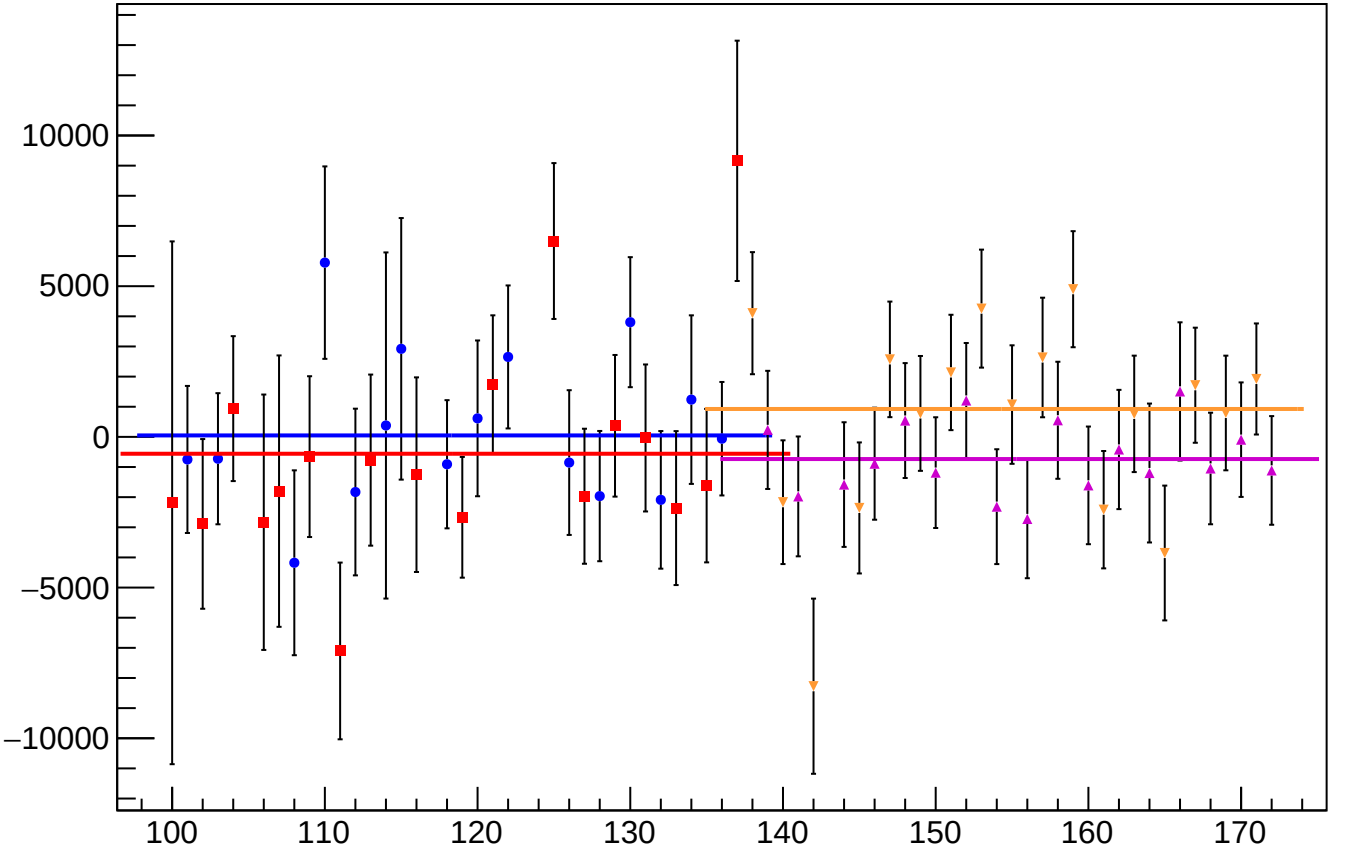
Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3186.846+/-0.527 χ^2/NDF:5601537.0/32

Out: 512.636+/-0.166 χ^2/NDF:33008994.1/36

All: 752.911+/-0.158 χ^2/NDF: 62067337.6/69

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 925.928+/-484.977 χ^2/NDF:34.1/16

Right Out: -559.598+/-645.291 χ^2/NDF: 23.3/17

Left In: -735.429+/-473.798 χ^2/NDF:5.9/16

Left: 75.881+/-338.909 χ^2/NDF: 46.0/33

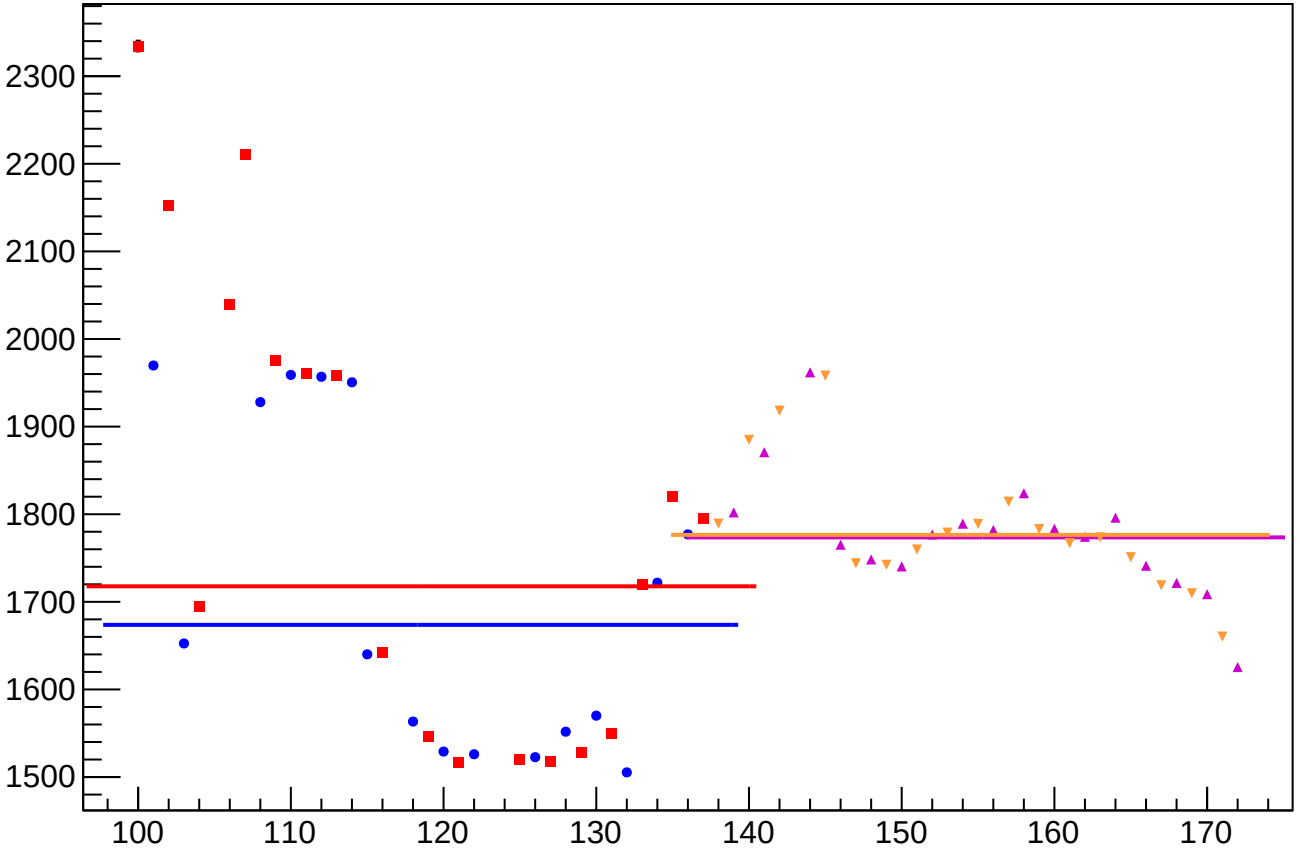
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: -450.063+/-377.823 χ^2/NDF:19.7/32

Out: 389.712+/-387.691 χ^2/NDF:60.7/34

All: -40.999+/-270.583 χ^2/NDF: 82.8/67

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1776.425+/-0.343 χ^2/NDF:39130.3/16

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1773.552+/-0.335 χ^2/NDF:42402.7/16

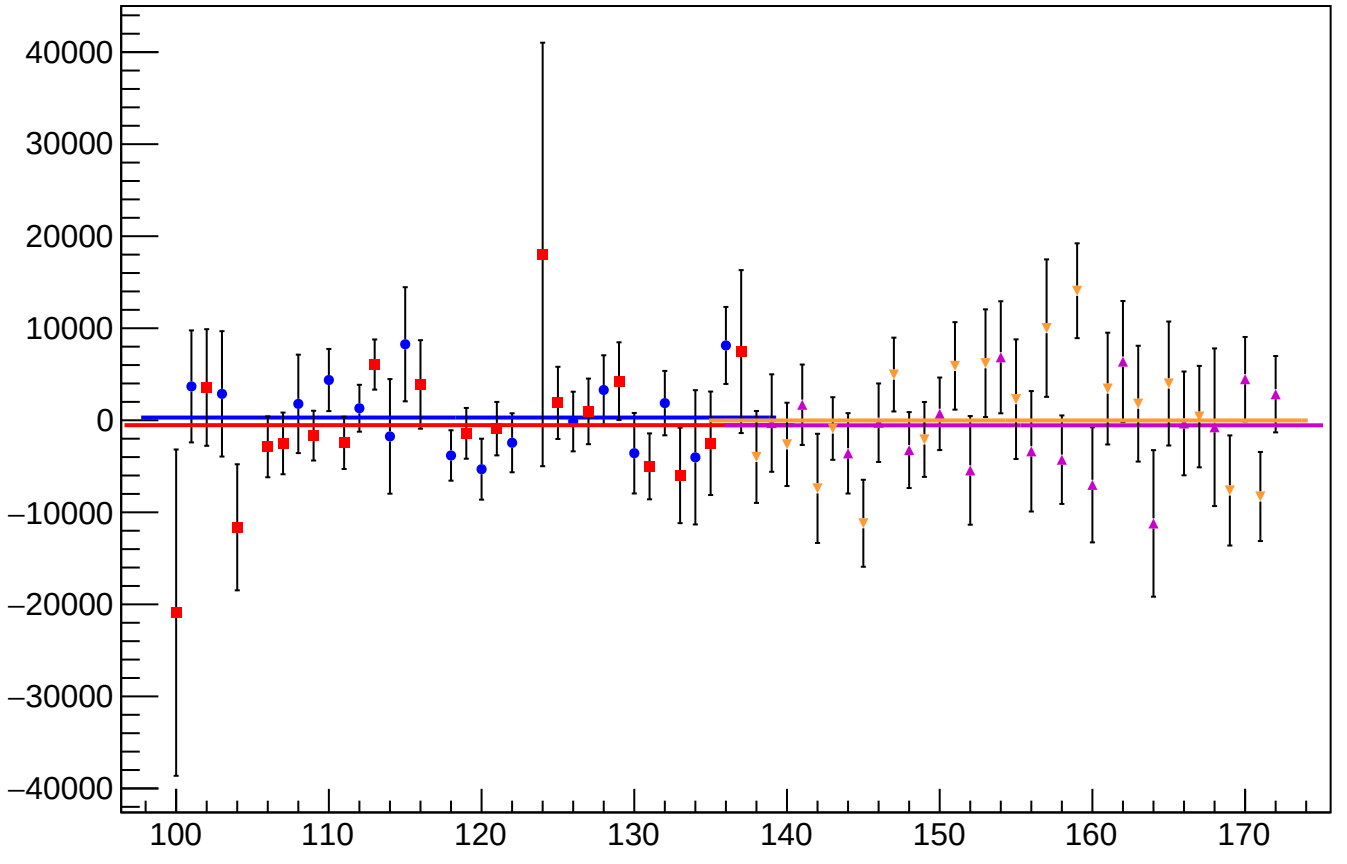
Left: 1774.955+/-0.240 χ^2/NDF: 81568.9/33

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1737.207+/-0.267 χ^2/NDF:215600.2/32

Out: 1755.170+/-0.274 χ^2/NDF:277383.8/34

All: 1745.964+/-0.191 χ^2/NDF: 495188.0/67



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: -17.555+/-1193.705 χ^2/NDF:27.4/17

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -545.995+/-1234.417 χ^2/NDF:10.1/16

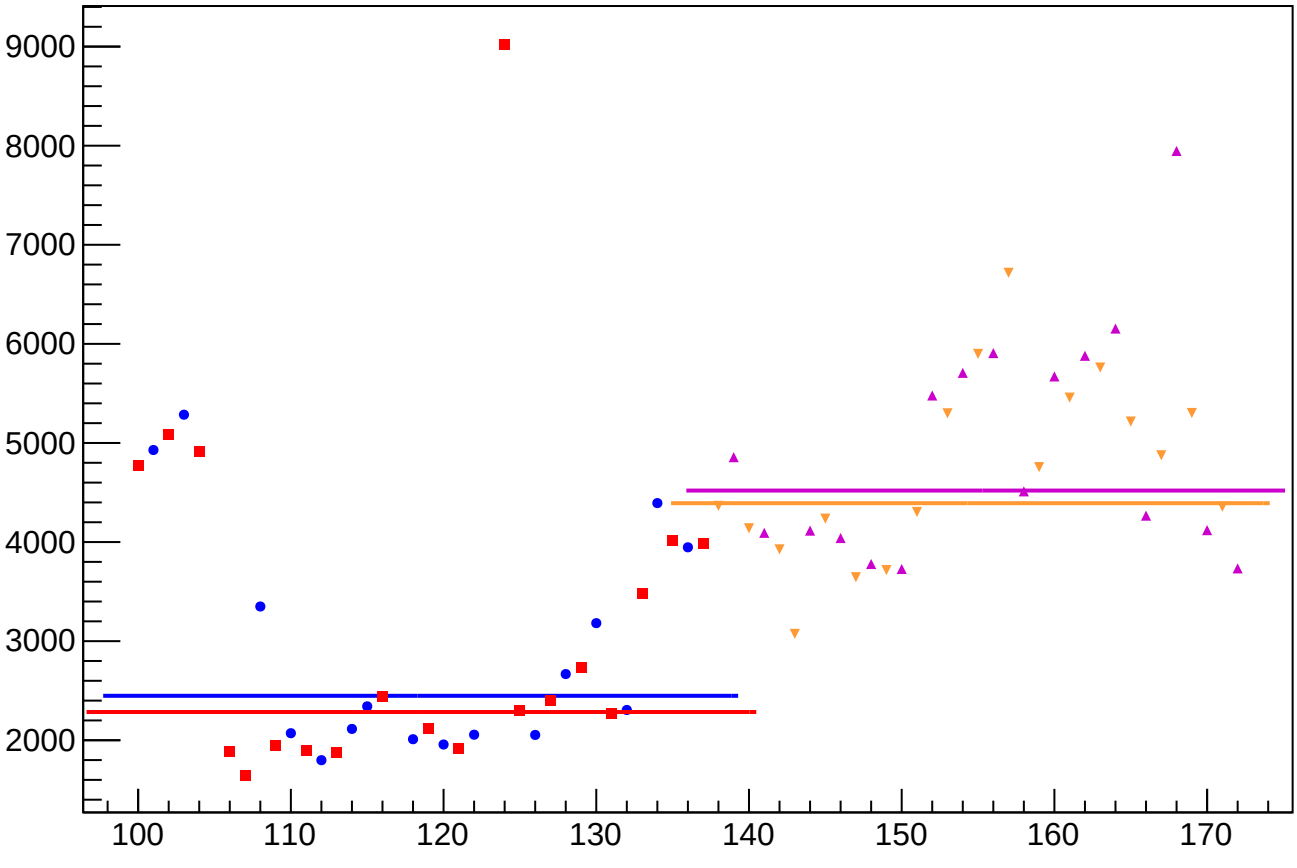
Left: -272.917+/-858.109 χ^2/NDF: 37.5/34

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: -22.929+/-760.103 χ^2/NDF:25.6/32

Out: -349.161+/-710.393 χ^2/NDF:46.2/36

All: -197.061+/-519.008 χ^2/NDF: 72.0/69



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4392.384+/-0.844 χ^2/NDF:1054072.2/17

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4519.795+/-0.873 χ^2/NDF:1082420.6/16

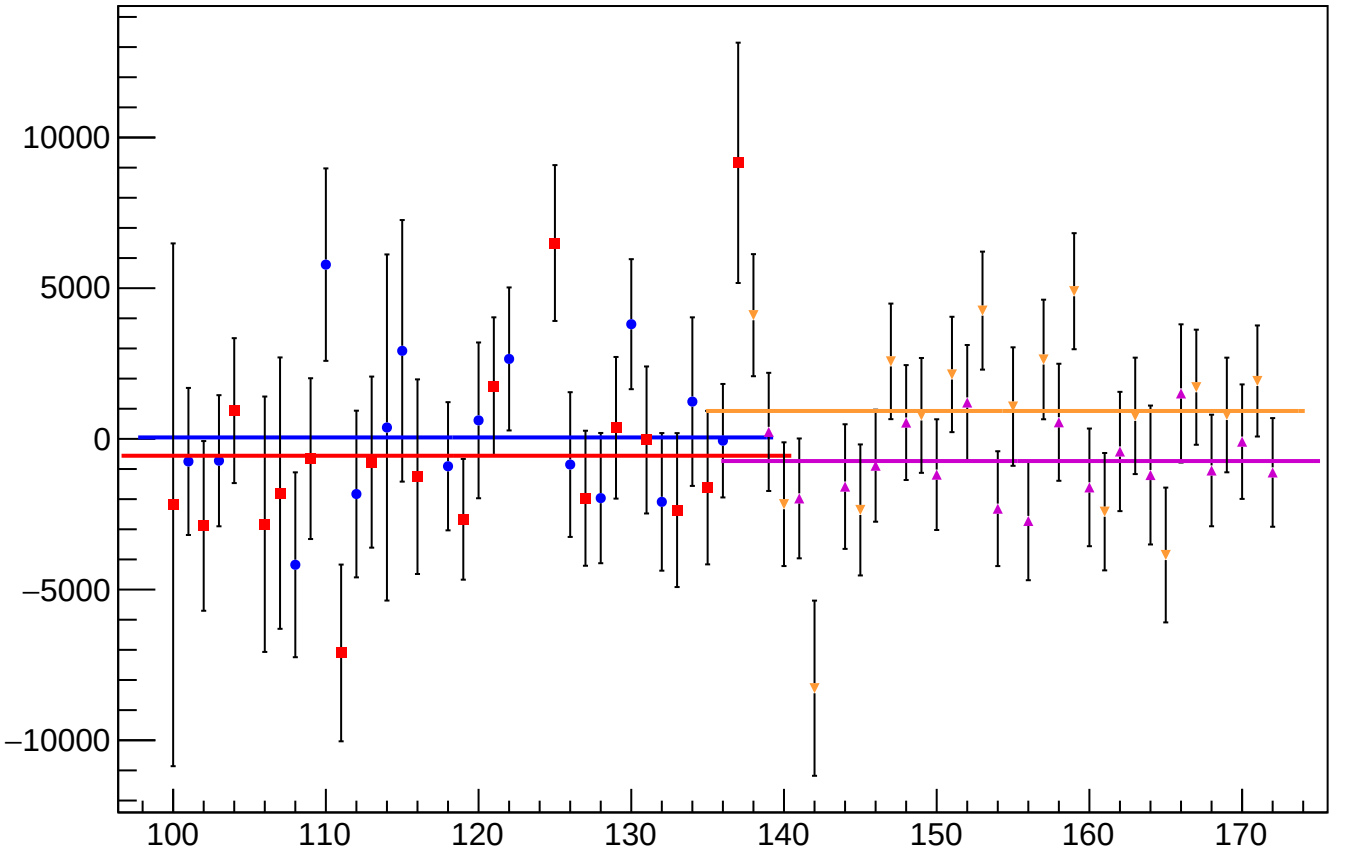
Left: 4453.954+/-0.607 χ^2/NDF: 2147503.4/34

Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 3233.910+/-0.537 χ^2/NDF:6095669.8/32

Out: 3031.405+/-0.502 χ^2/NDF:6628352.8/36

All: 3125.820+/-0.367 χ^2/NDF: 12799794.4/6



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 925.929+/-484.978 χ^2/NDF:34.1/16

Right Out: -559.600+/-645.291 χ^2/NDF: 23.3/17

Left In: -735.429+/-473.798 χ^2/NDF:5.9/16

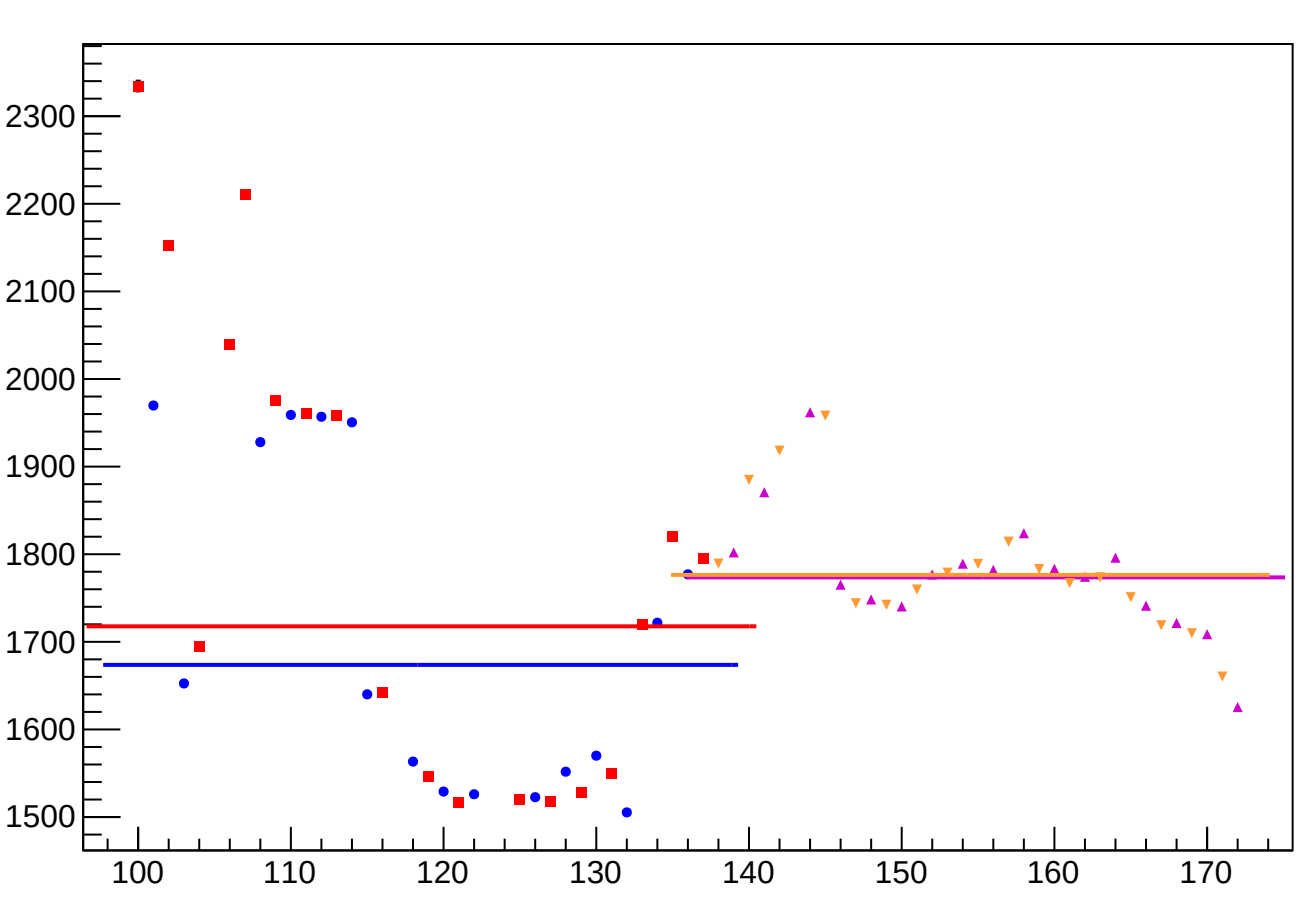
Left: 75.881+/-338.909 χ^2/NDF: 46.0/33

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -450.064+/-377.823 χ^2/NDF:19.7/32

Out: 389.711+/-387.691 χ^2/NDF:60.7/34

All: -41.000+/-270.583 χ^2/NDF: 82.8/67



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1776.425+/-0.343 χ^2/NDF:39131.7/16

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1773.553+/-0.335 χ^2/NDF:42403.9/16

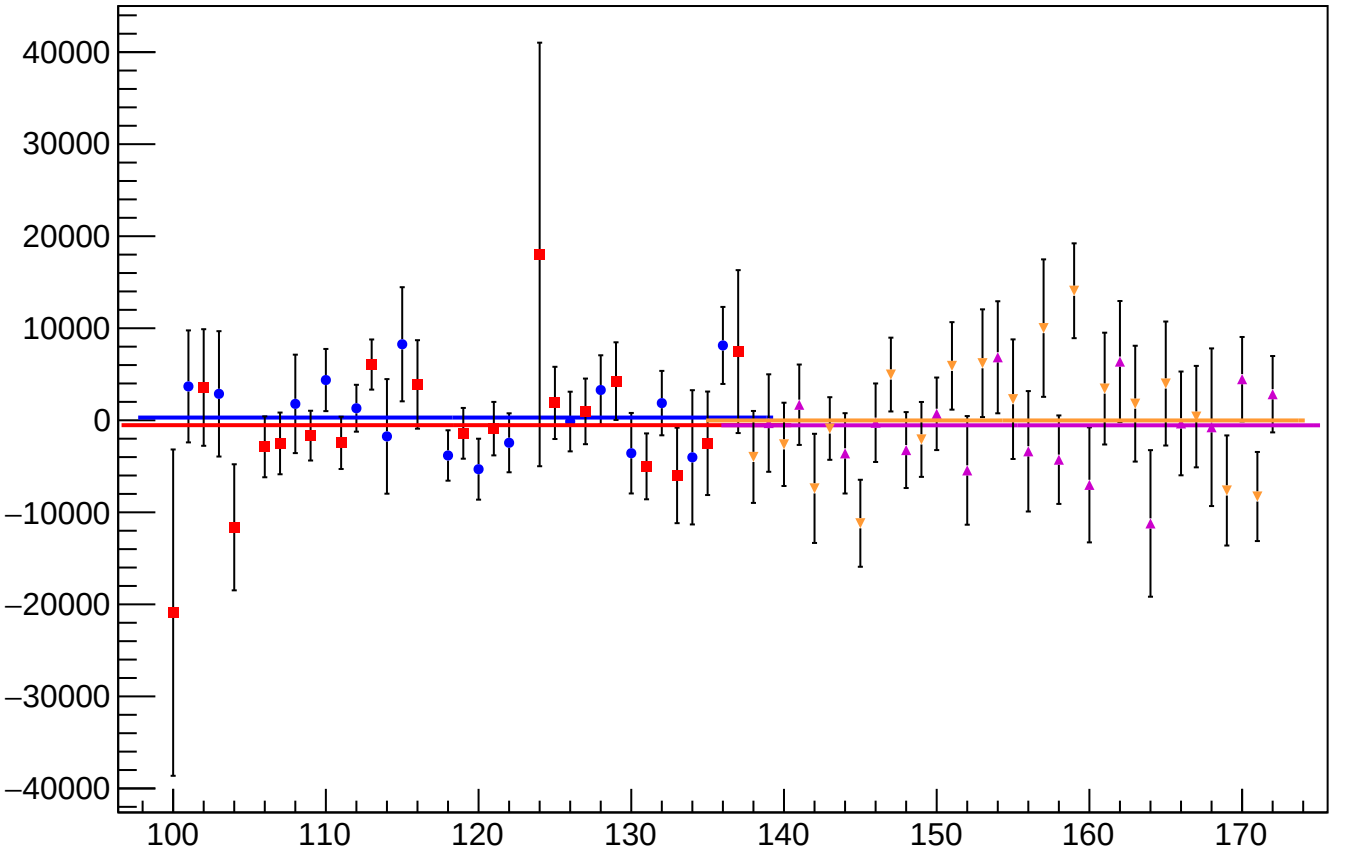
Left: 1774.956+/-0.240 χ^2/NDF: 81571.5/33

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1737.207+/-0.267 χ^2/NDF:215601.9/32

Out: 1755.170+/-0.274 χ^2/NDF:277384.7/34

All: 1745.964+/-0.191 χ^2/NDF: 495190.6/67



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: -17.550+/-1193.707 χ^2/NDF:27.4/17

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -545.996+/-1234.419 χ^2/NDF:10.1/16

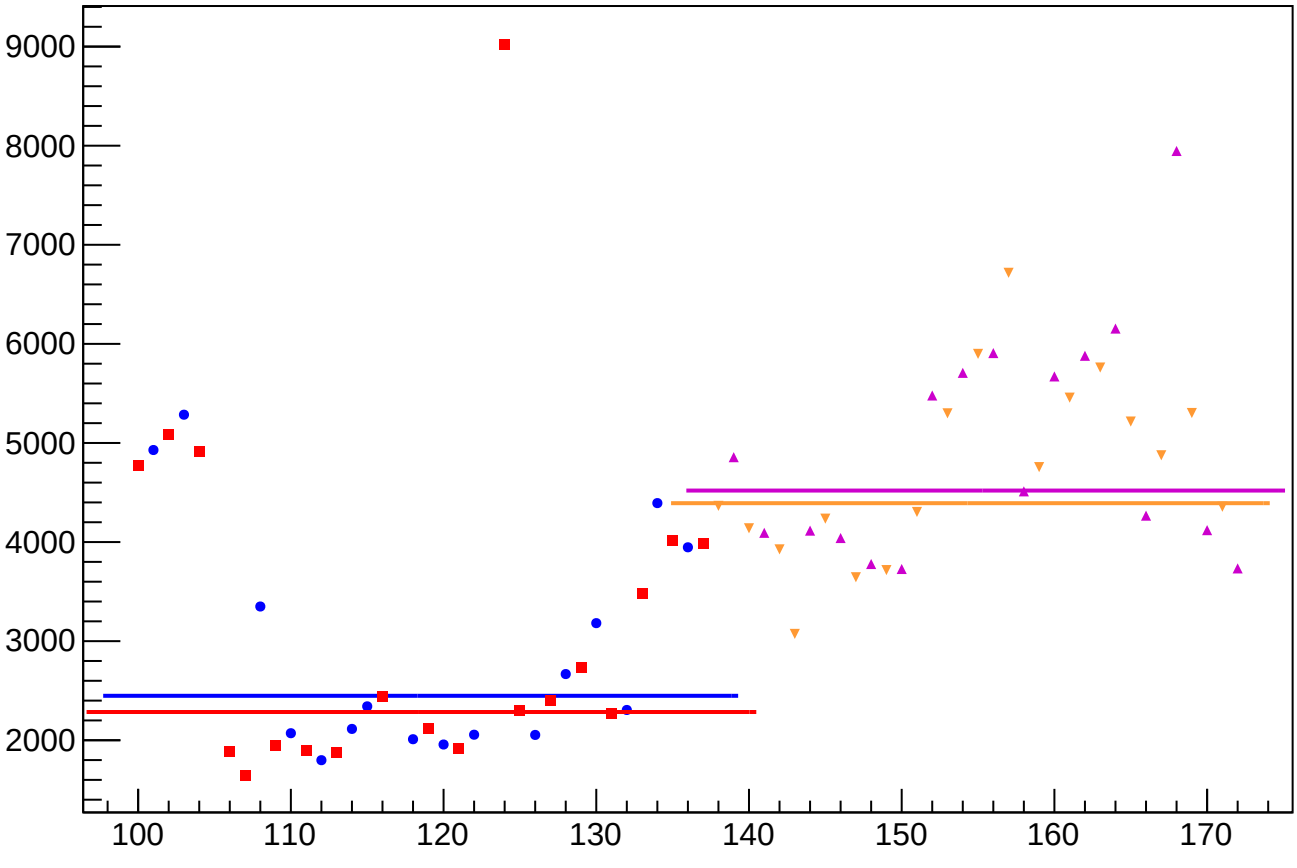
Left: -272.915+/-858.110 χ^2/NDF: 37.5/34

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: -22.931+/-760.101 χ^2/NDF:25.6/32

Out: -349.162+/-710.391 χ^2/NDF:46.2/36

All: -197.062+/-519.007 χ^2/NDF: 72.0/69



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4392.390+/-0.844 χ^2/NDF:1054076.2/17

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: 4453.960+/-0.607 χ^2/NDF: 2147508.4/34

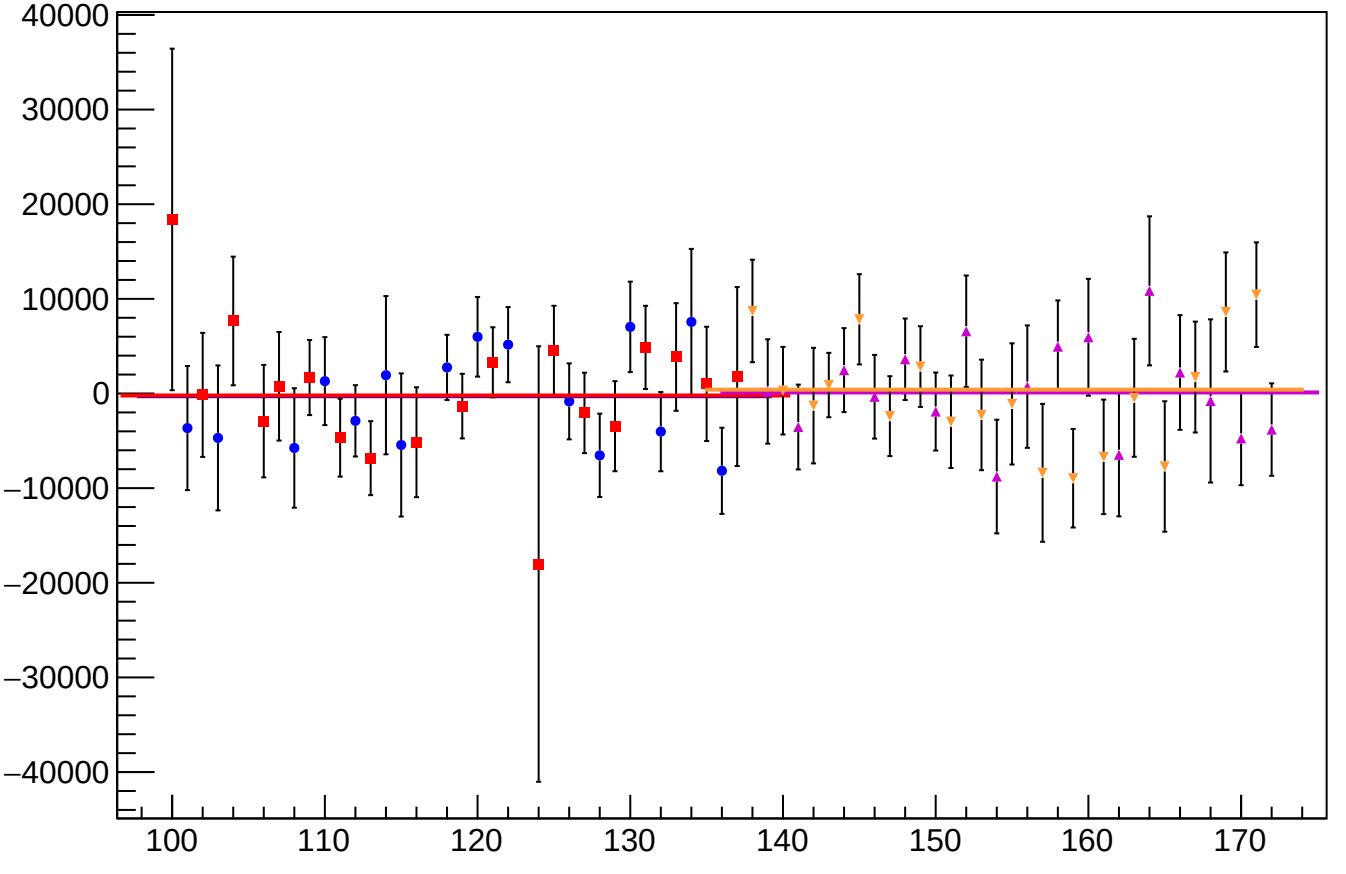
Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 3233.901+/-0.537 χ^2/NDF:6095745.7/32

Out: 3031.397+/-0.502 χ^2/NDF:6628422.1/36

All: 3125.811+/-0.367 χ^2/NDF: 12799939.0/6

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 406.213+/-1229.126 χ^2/NDF:18.9/17

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: 264.342+/-886.911 χ^2/NDF: 30.7/34

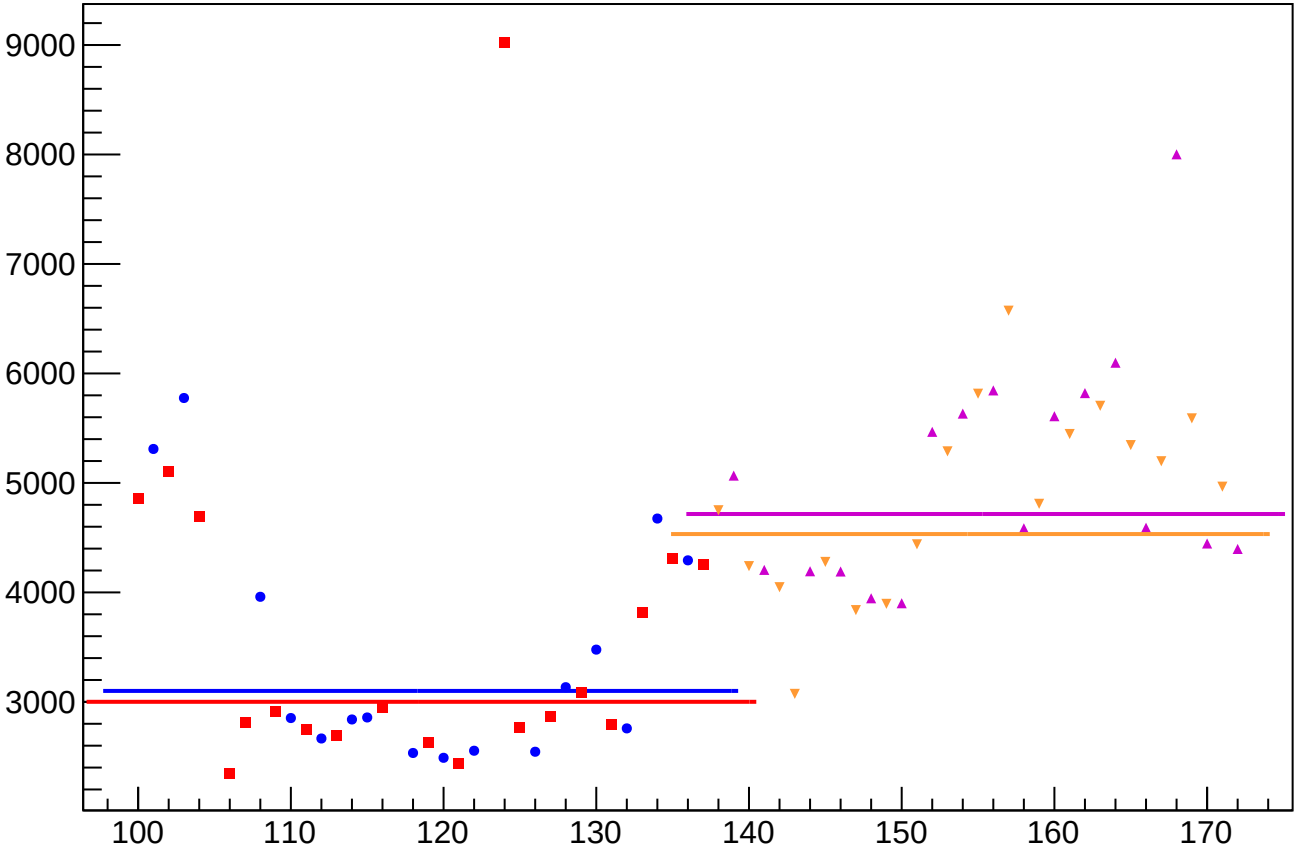
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: -101.933+/-874.744 χ^2/NDF:28.4/32

Out: 78.912+/-841.207 χ^2/NDF:31.9/36

All: -7.977+/-606.333 χ^2/NDF: 60.3/69

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4532.947+/-0.869 χ^2/NDF:1012458.5/17

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4716.077+/-0.906 χ^2/NDF:840436.8/16

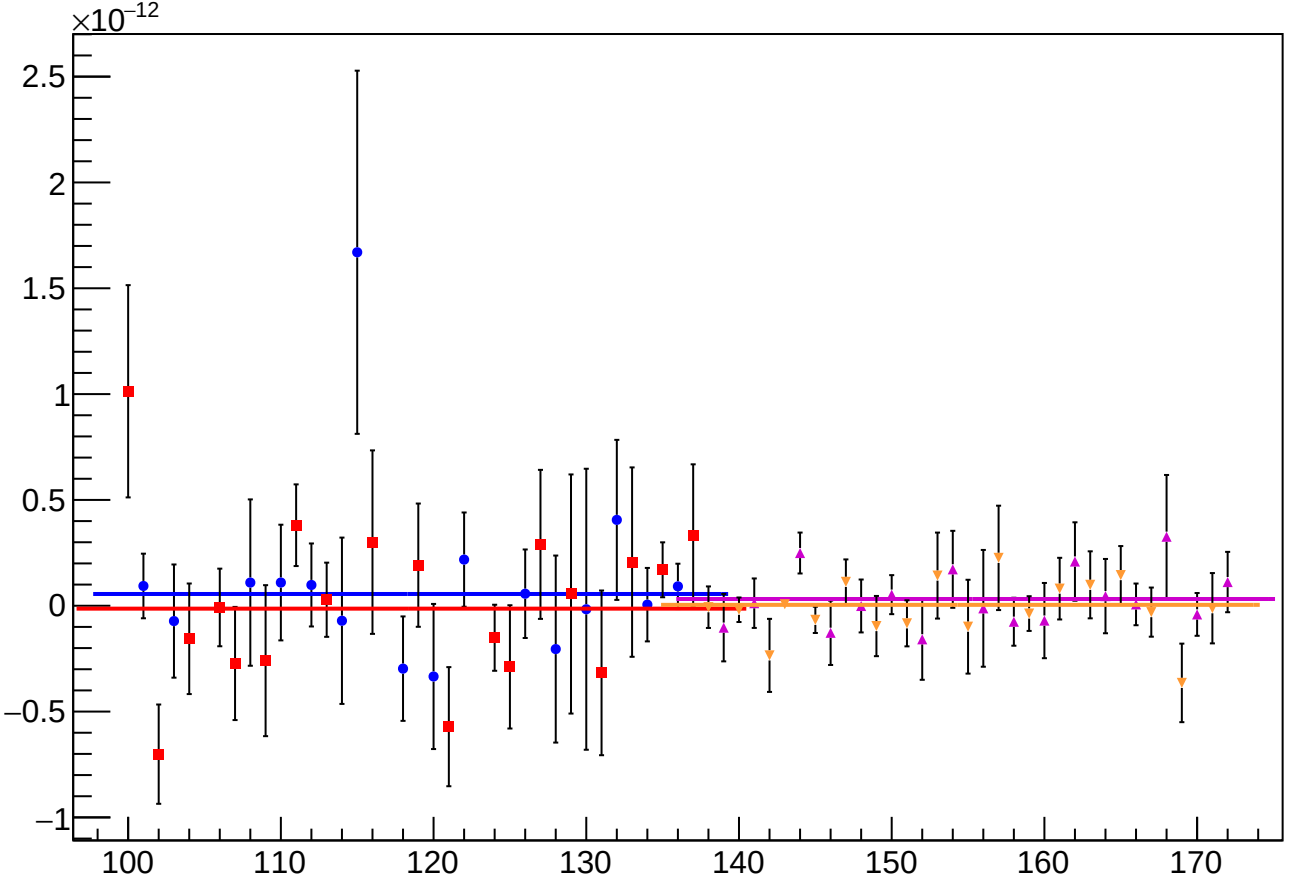
Left: 4620.726+/-0.627 χ^2/NDF: 1874175.9/34

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3853.587+/-0.619 χ^2/NDF:3502657.5/32

Out: 3708.064+/-0.591 χ^2/NDF:3492246.6/36

All: 3777.454+/-0.427 χ^2/NDF: 7023862.0/69



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/17

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.7/16

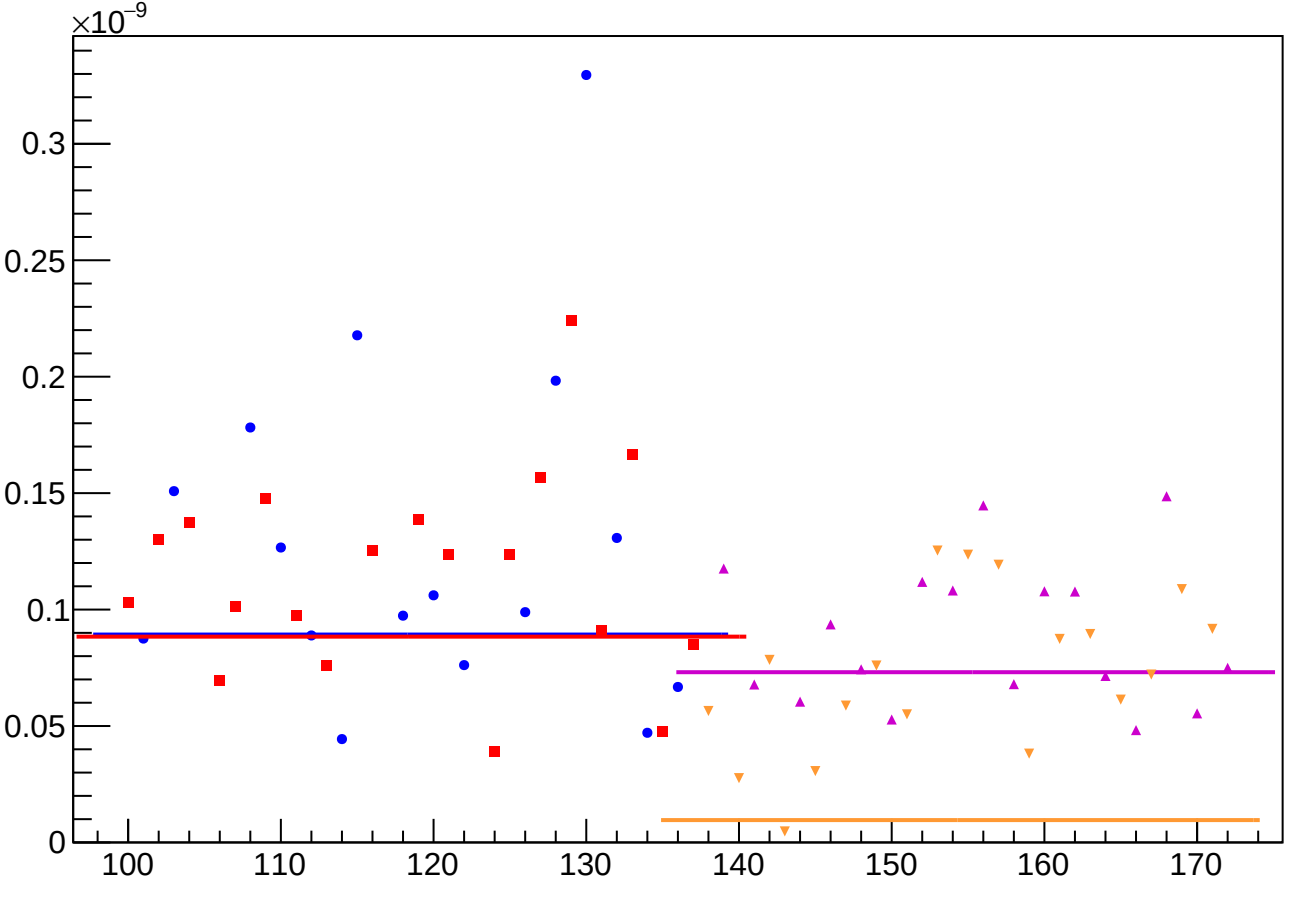
Left: 0.000+/-0.000 χ^2/NDF: 26.5/34

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:43.3/36

All: 0.000+/-0.000 χ^2/NDF: 66.8/69



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:7820572.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1093399.3/16

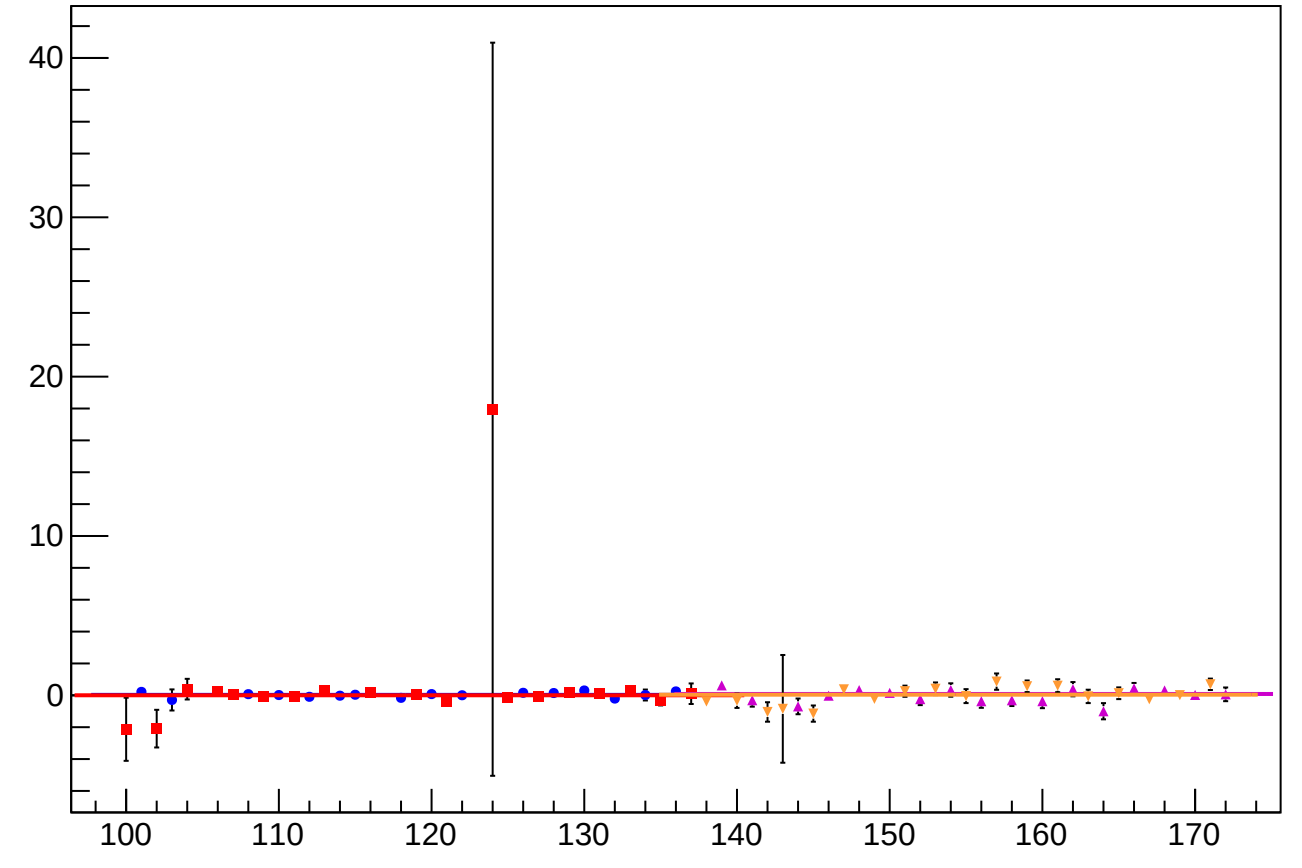
Left: 0.000+/-0.000 χ^2/NDF: 16074457.9/34

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:12734741.2/36

All: 0.000+/-0.000 χ^2/NDF: 24917963.2/69



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.040+/-0.081 χ^2/NDF:26.3/17

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: 0.063+/-0.056 χ^2/NDF: 47.5/34

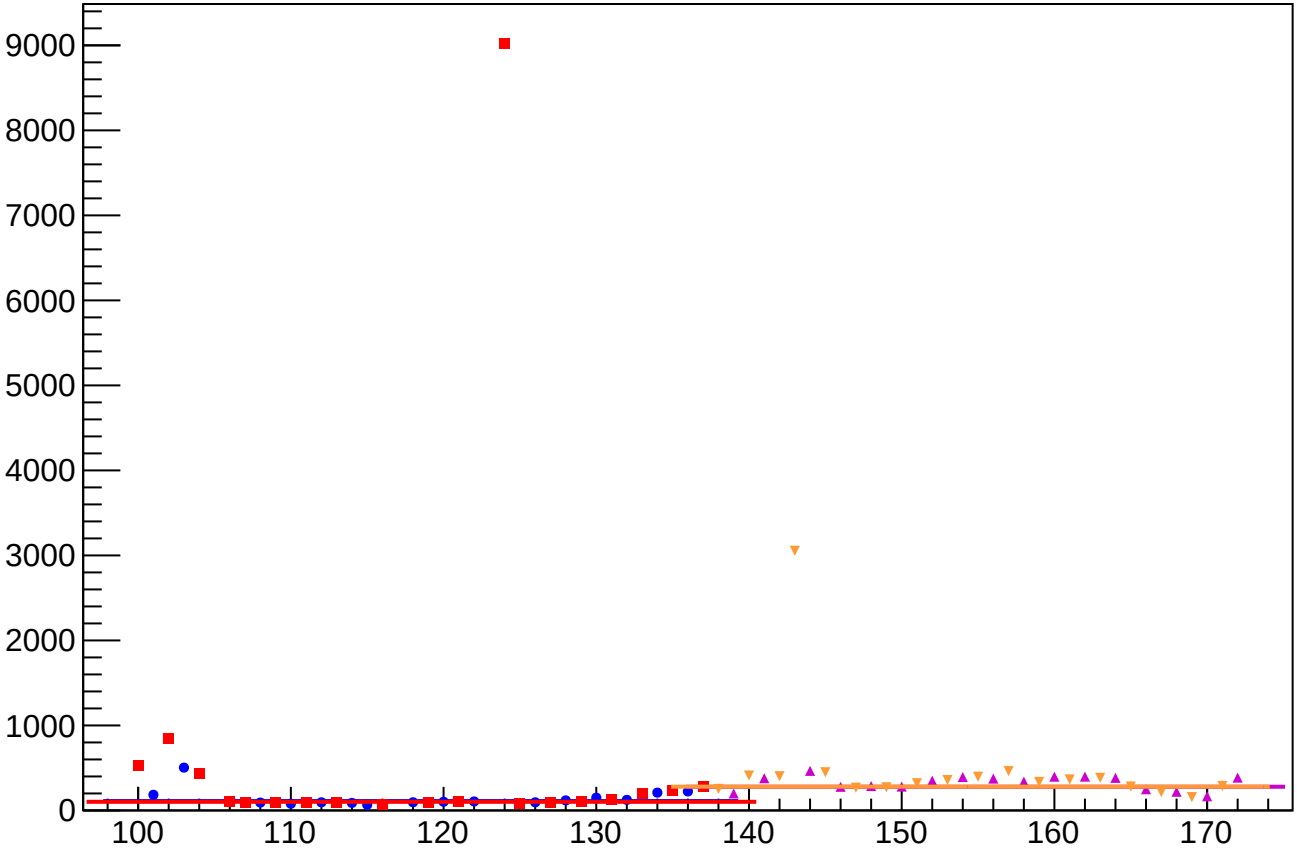
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.042+/-0.039 χ^2/NDF:30.3/32

Out: 0.012+/-0.038 χ^2/NDF:48.8/36

All: 0.026+/-0.027 χ^2/NDF: 79.5/69

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: 280.103+/-0.057 χ^2/NDF:3711213.6/17

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: 279.472+/-0.040 χ^2/NDF: 6066843.5/34

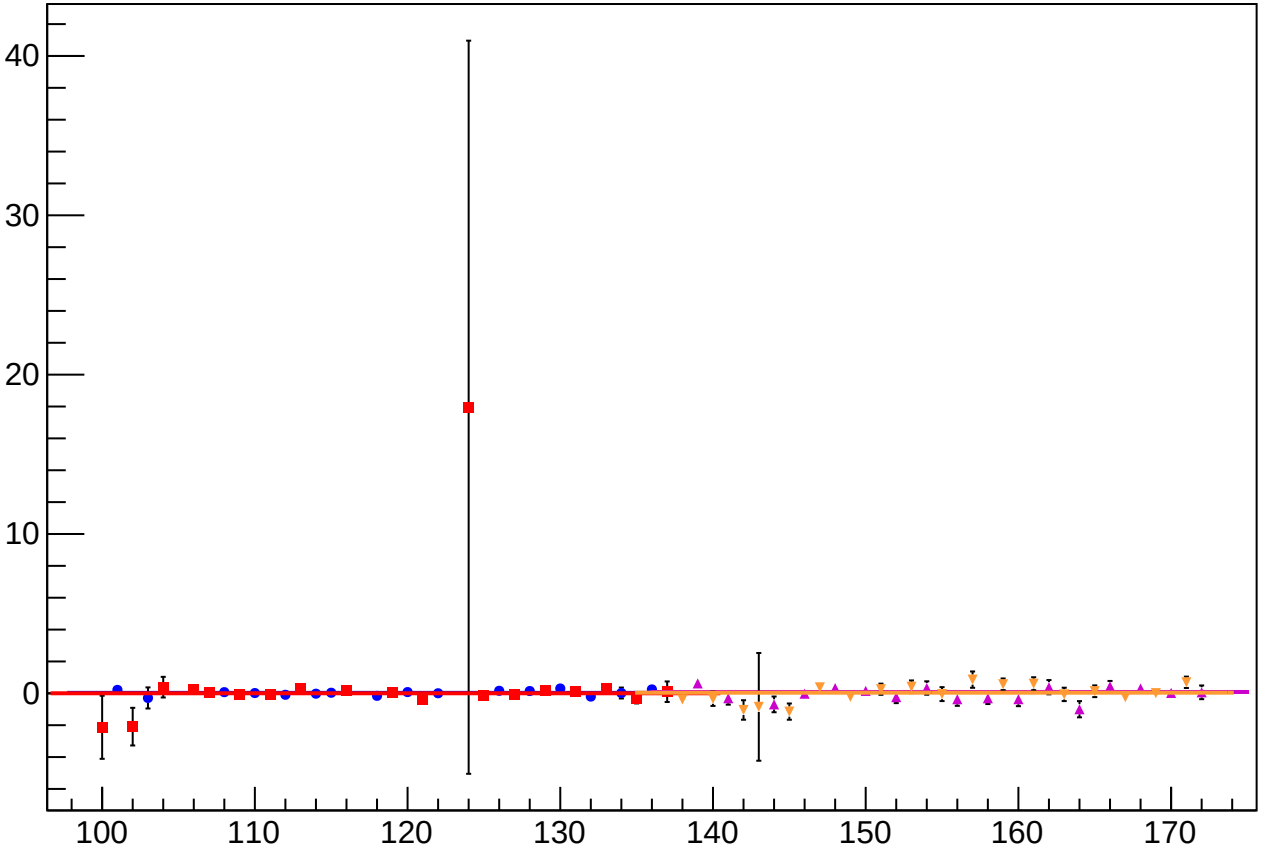
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 151.860+/-0.028 χ^2/NDF:11177676.9/32

Out: 141.696+/-0.027 χ^2/NDF:13852364.2/36

All: 146.638+/-0.019 χ^2/NDF: 25098825.2/69

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: 0.040+/-0.081 χ^2/NDF:26.3/17

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: 0.063+/-0.056 χ^2/NDF: 47.5/34

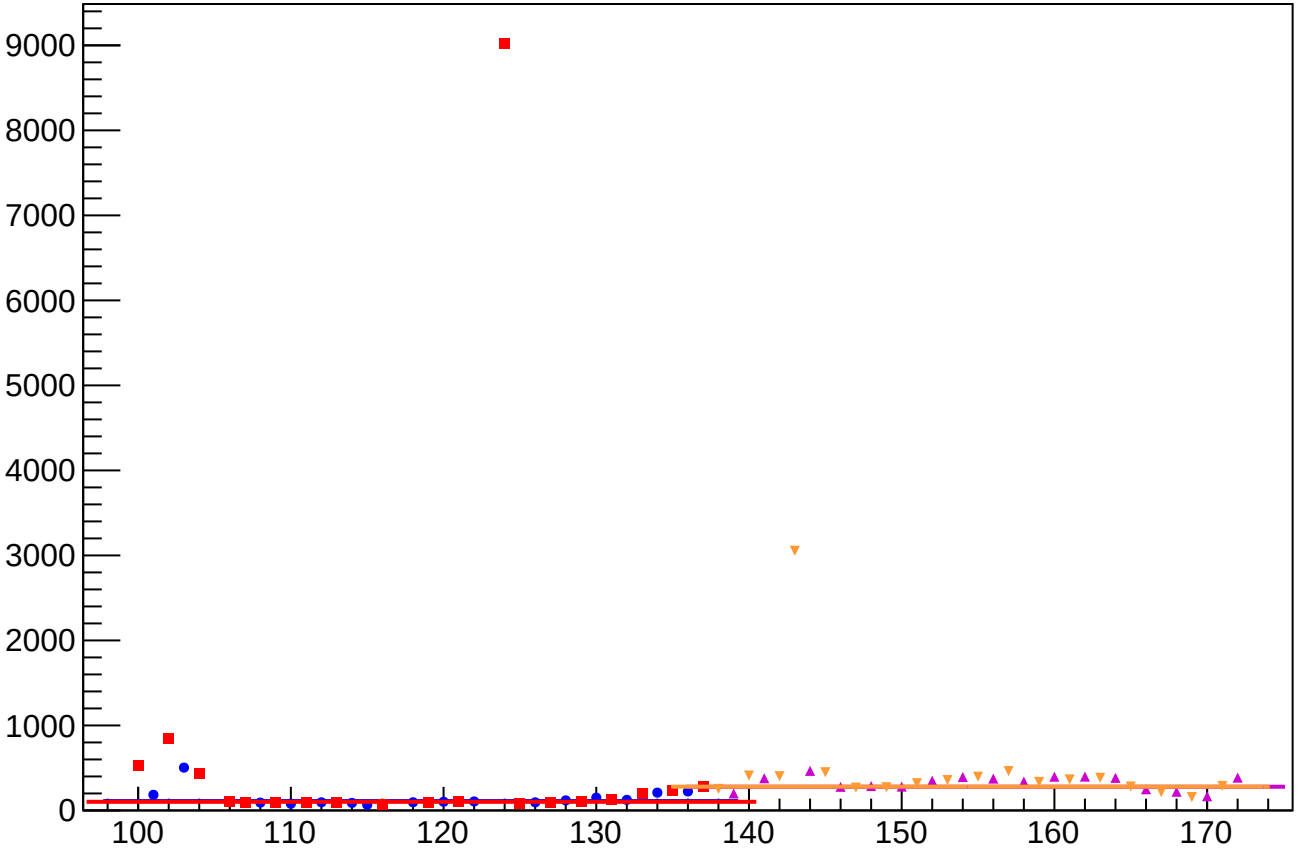
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.042+/-0.039 χ^2/NDF:30.3/32

Out: 0.012+/-0.038 χ^2/NDF:48.8/36

All: 0.026+/-0.027 χ^2/NDF: 79.5/69

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: 280.103+/-0.057 χ^2/NDF:3711213.6/17

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 278.870+/-0.056 χ^2/NDF:2355391.4/16

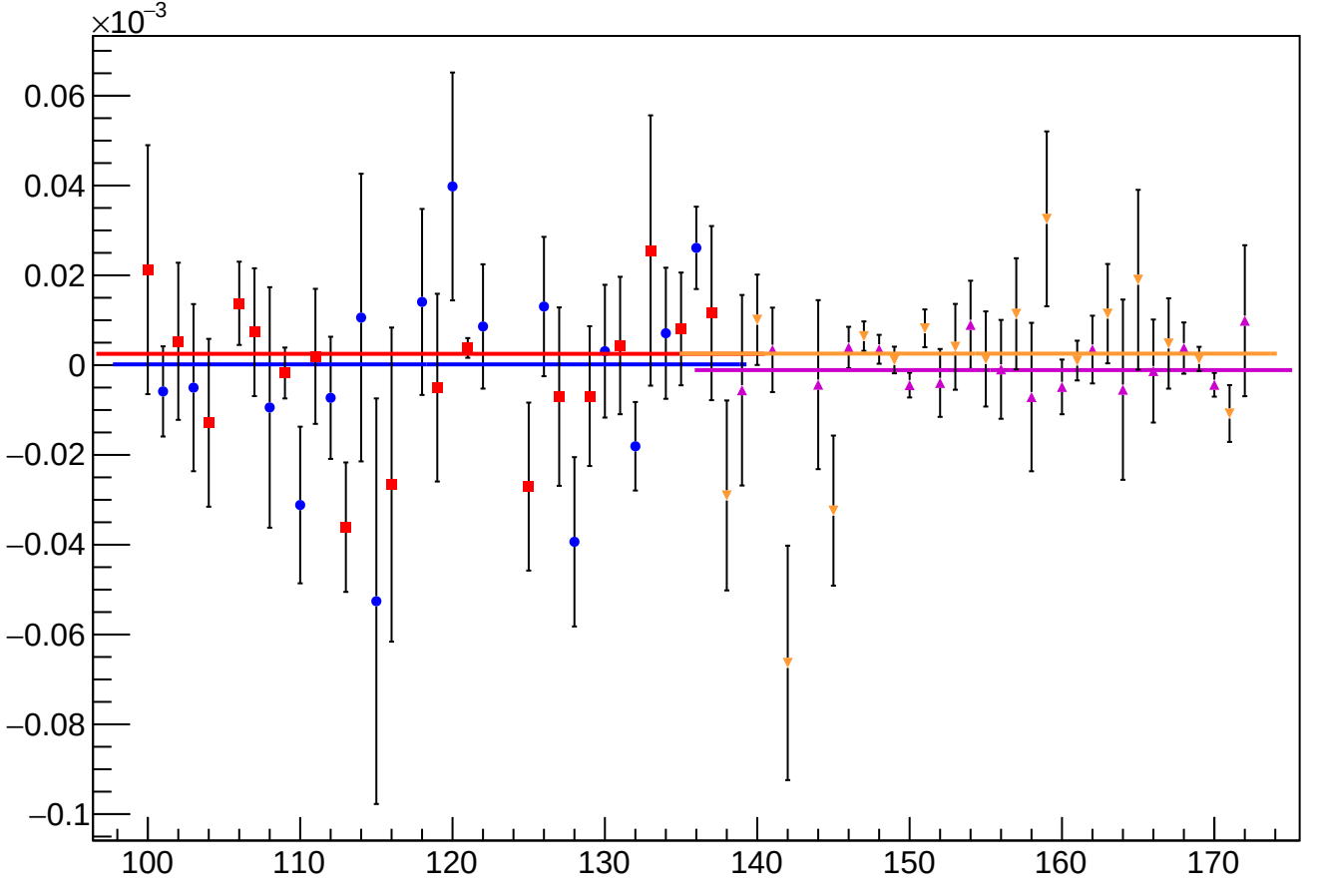
Left: 279.472+/-0.040 χ^2/NDF: 6066843.5/34

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 151.860+/-0.028 χ^2/NDF:11177676.9/32

Out: 141.696+/-0.027 χ^2/NDF:13852364.2/36

All: 146.638+/-0.019 χ^2/NDF: 25098825.2/69



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.6/16

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:9.8/16

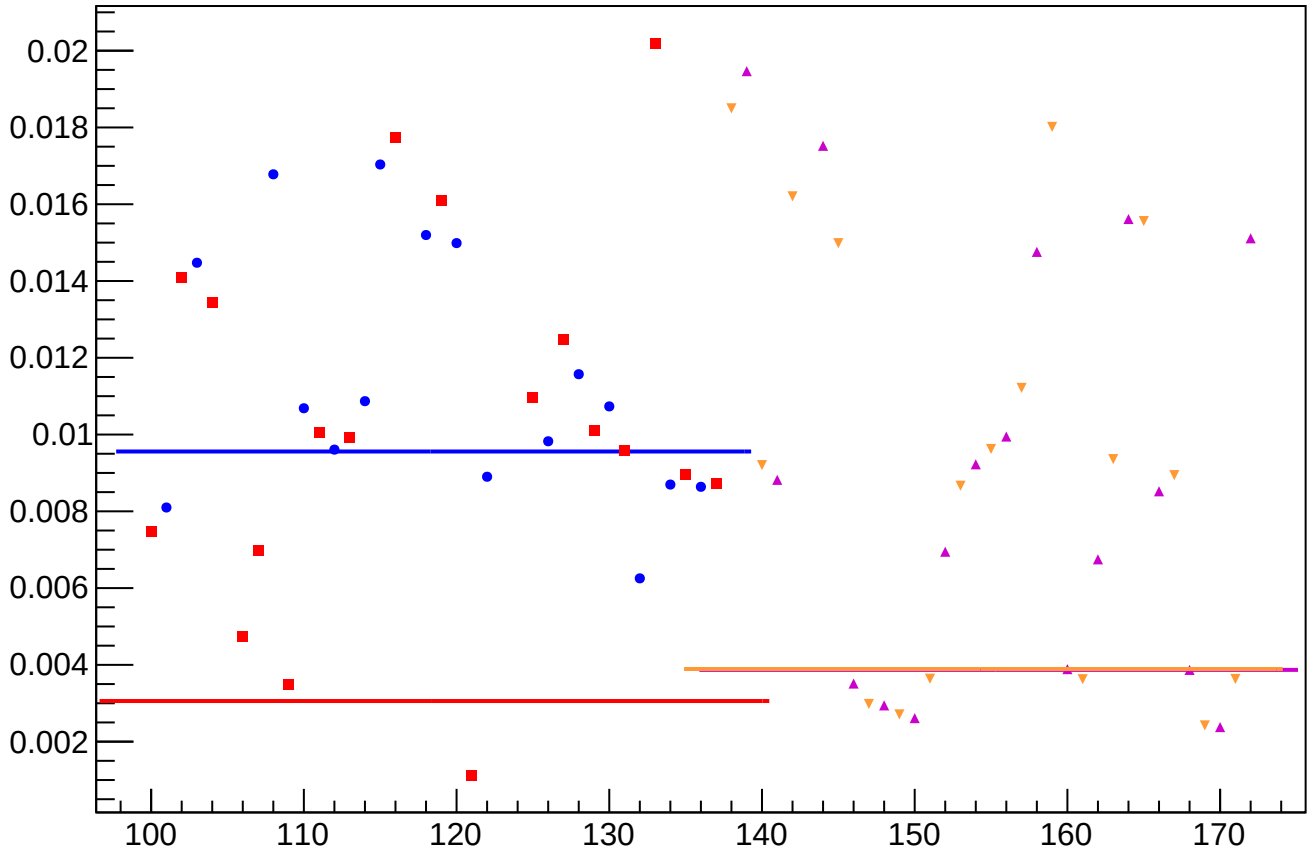
Left: 0.000+/-0.000 χ^2/NDF: 40.2/33

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:42.4/34

All: 0.000+/-0.000 χ^2/NDF: 82.4/67



Right In: 0.010+/-0.000 χ^2/NDF: 926018.8/15

Left Out: 0.004+/-0.000 χ^2/NDF:8427634.9/16

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: 16943714.4/33

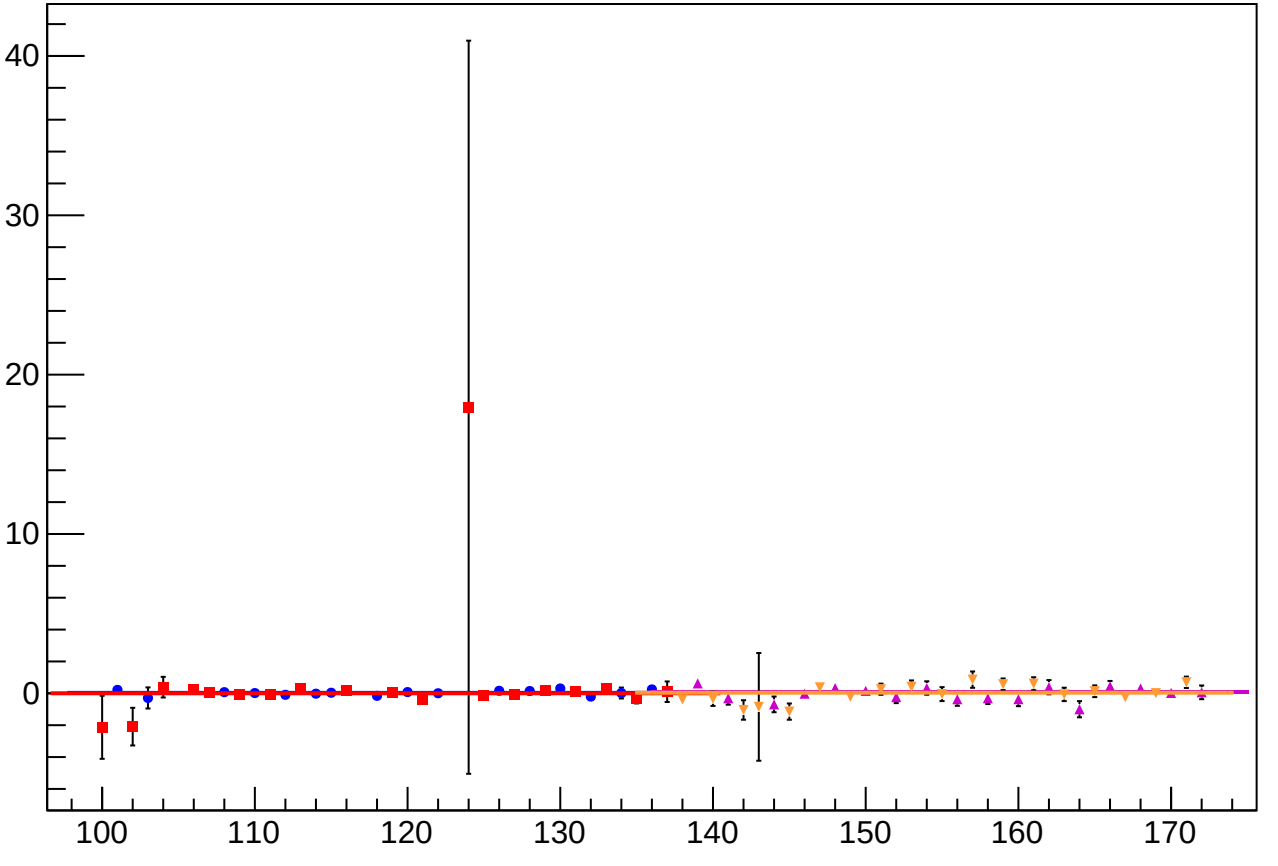
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.005+/-0.000 χ^2/NDF:13566869.5/32

Out: 0.004+/-0.000 χ^2/NDF:16818250.1/34

All: 0.004+/-0.000 χ^2/NDF: 30994607.0/67

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: 0.040+/-0.081 χ^2/NDF:26.3/17

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: 0.063+/-0.056 χ^2/NDF: 47.5/34

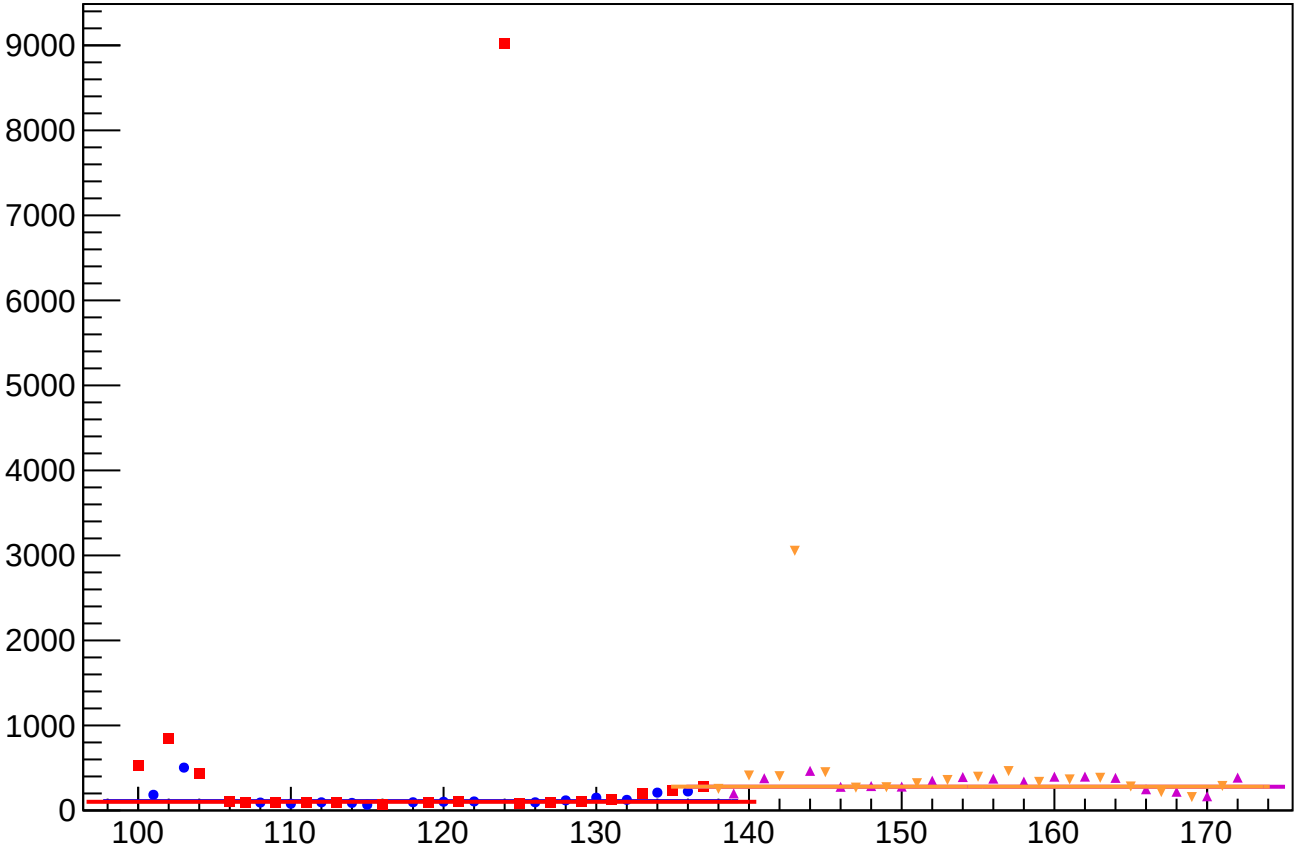
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.042+/-0.039 χ^2/NDF:30.3/32

Out: 0.012+/-0.038 χ^2/NDF:48.8/36

All: 0.026+/-0.027 χ^2/NDF: 79.5/69

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: 280.105+/-0.057 χ^2/NDF:3711295.0/17

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: 279.474+/-0.040 χ^2/NDF: 6066893.3/34

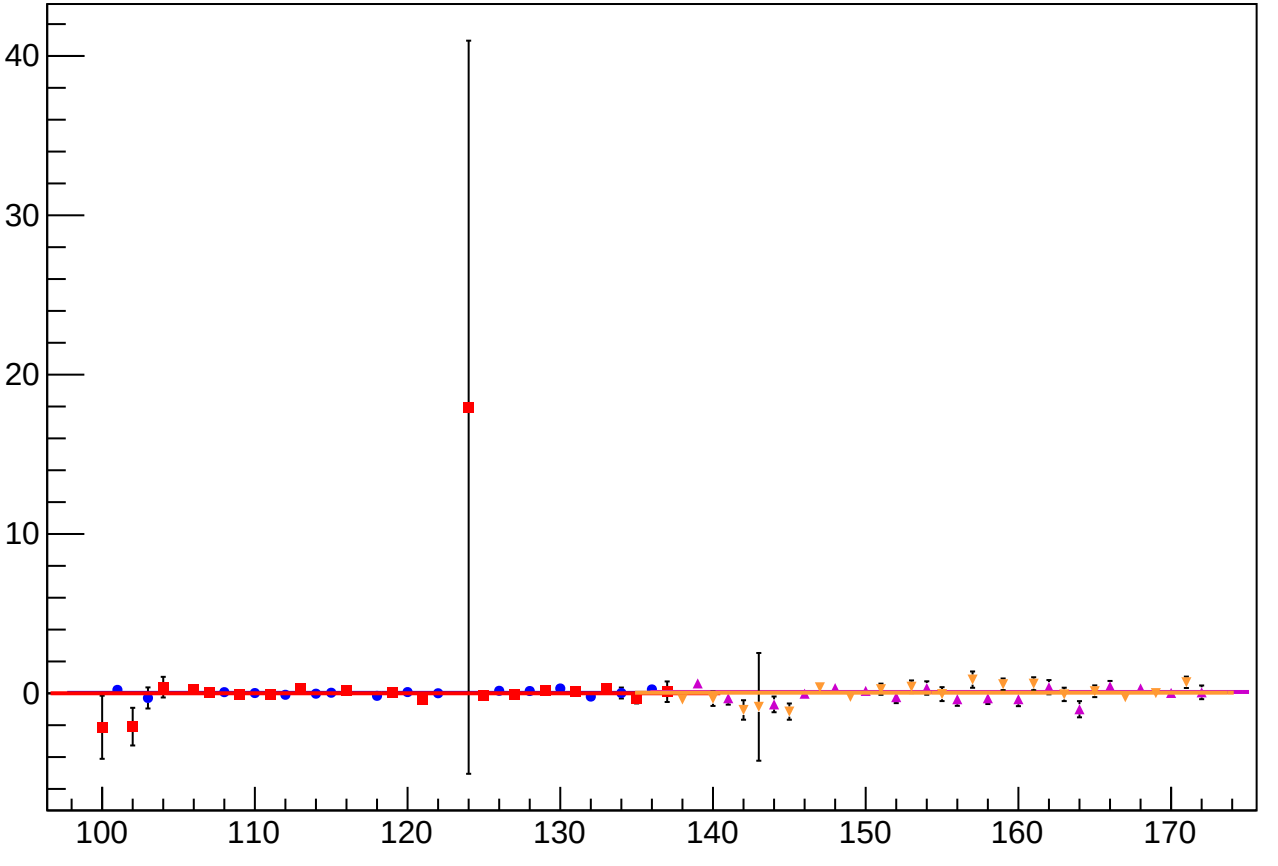
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 151.861+/-0.028 χ^2/NDF:11177640.5/32

Out: 141.698+/-0.027 χ^2/NDF:13852303.5/36

All: 146.640+/-0.019 χ^2/NDF: 25098722.8/69

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.040+/-0.081 χ^2/NDF:26.3/17

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: 0.063+/-0.056 χ^2/NDF: 47.5/34

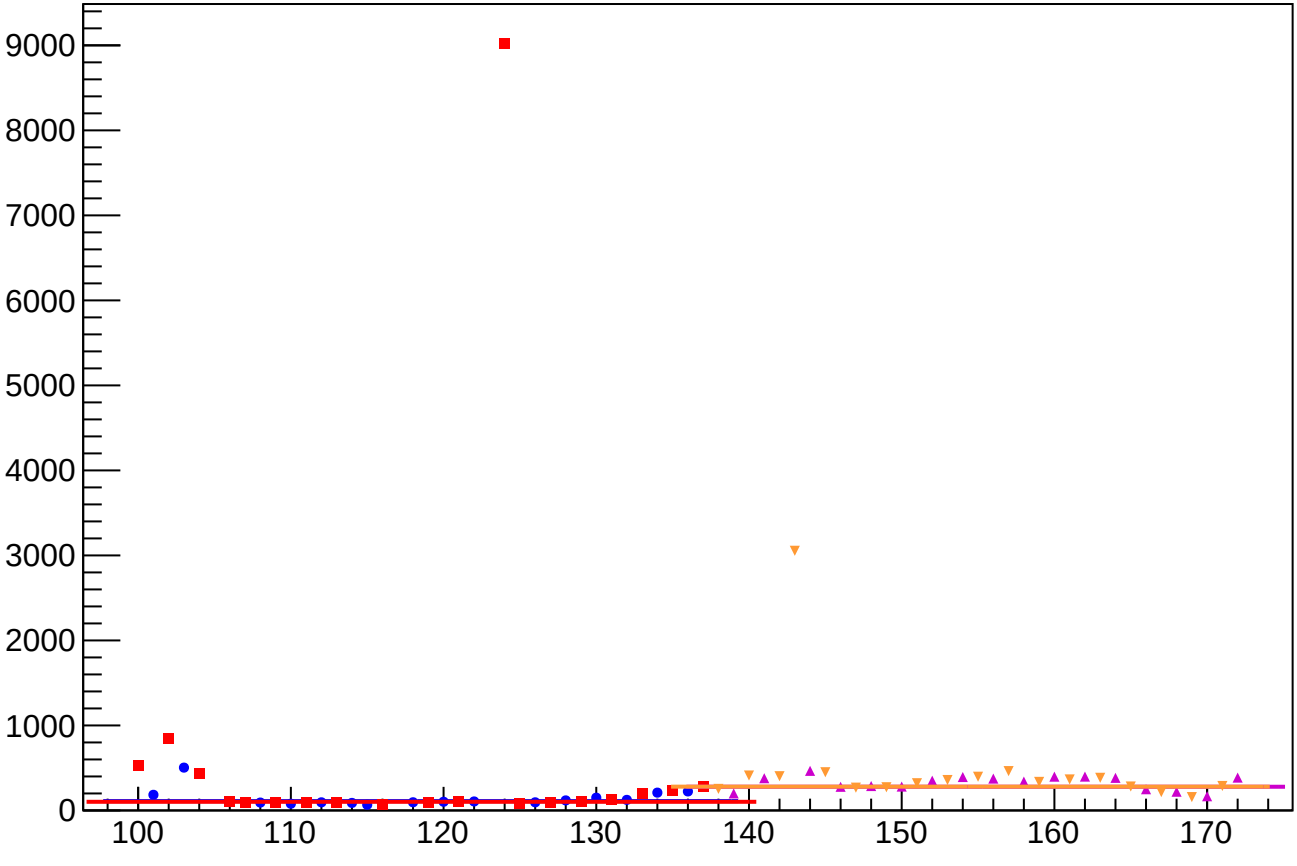
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.042+/-0.039 χ^2/NDF:30.3/32

Out: 0.012+/-0.038 χ^2/NDF:48.8/36

All: 0.026+/-0.027 χ^2/NDF: 79.5/69

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: 280.105+/-0.057 χ^2/NDF:3711295.0/17

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 278.873+/-0.056 χ^2/NDF:2355360.3/16

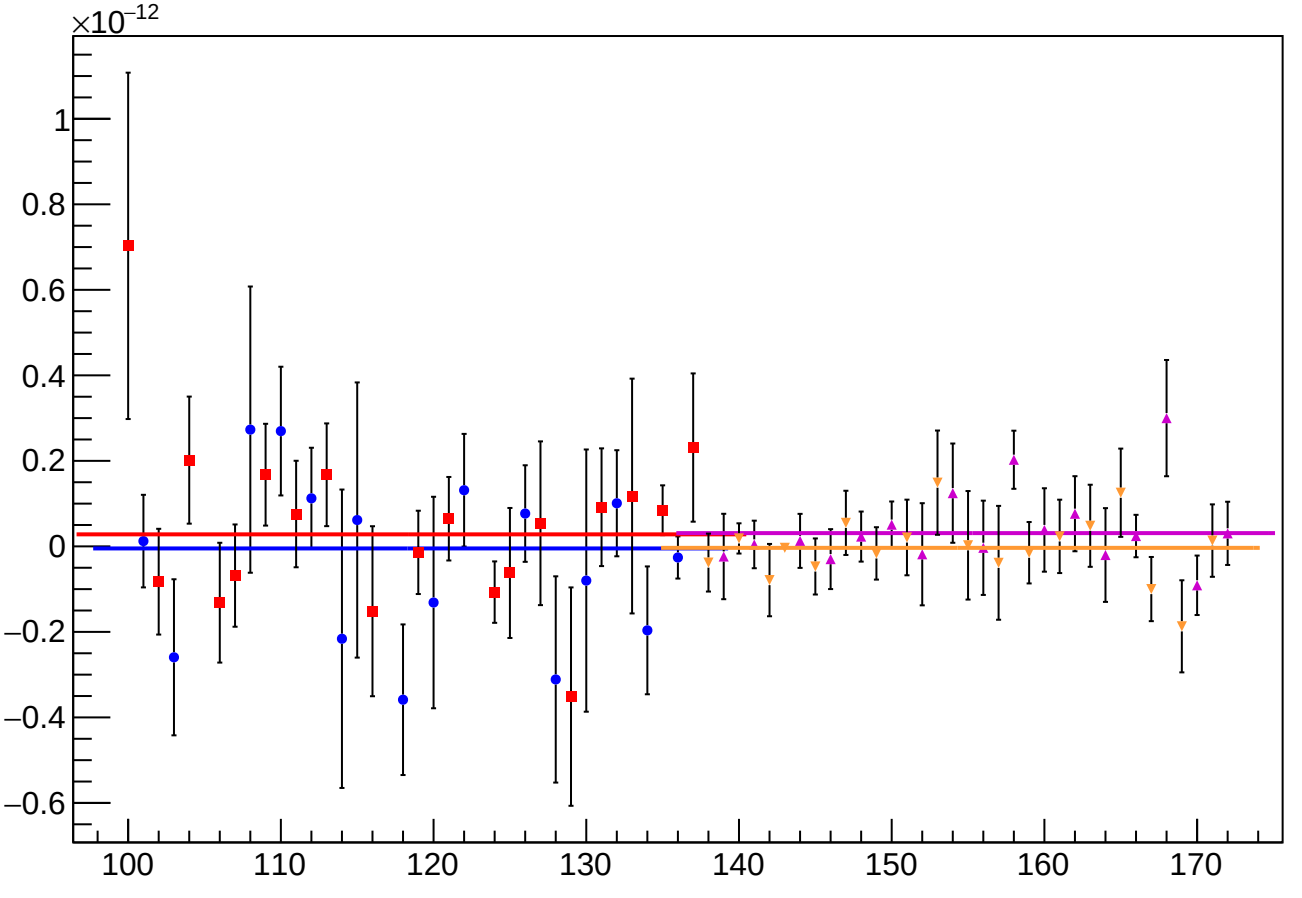
Left: 279.474+/-0.040 χ^2/NDF: 6066893.3/34

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 151.861+/-0.028 χ^2/NDF:11177640.5/32

Out: 141.698+/-0.027 χ^2/NDF:13852303.5/36

All: 146.640+/-0.019 χ^2/NDF: 25098722.8/69



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/16

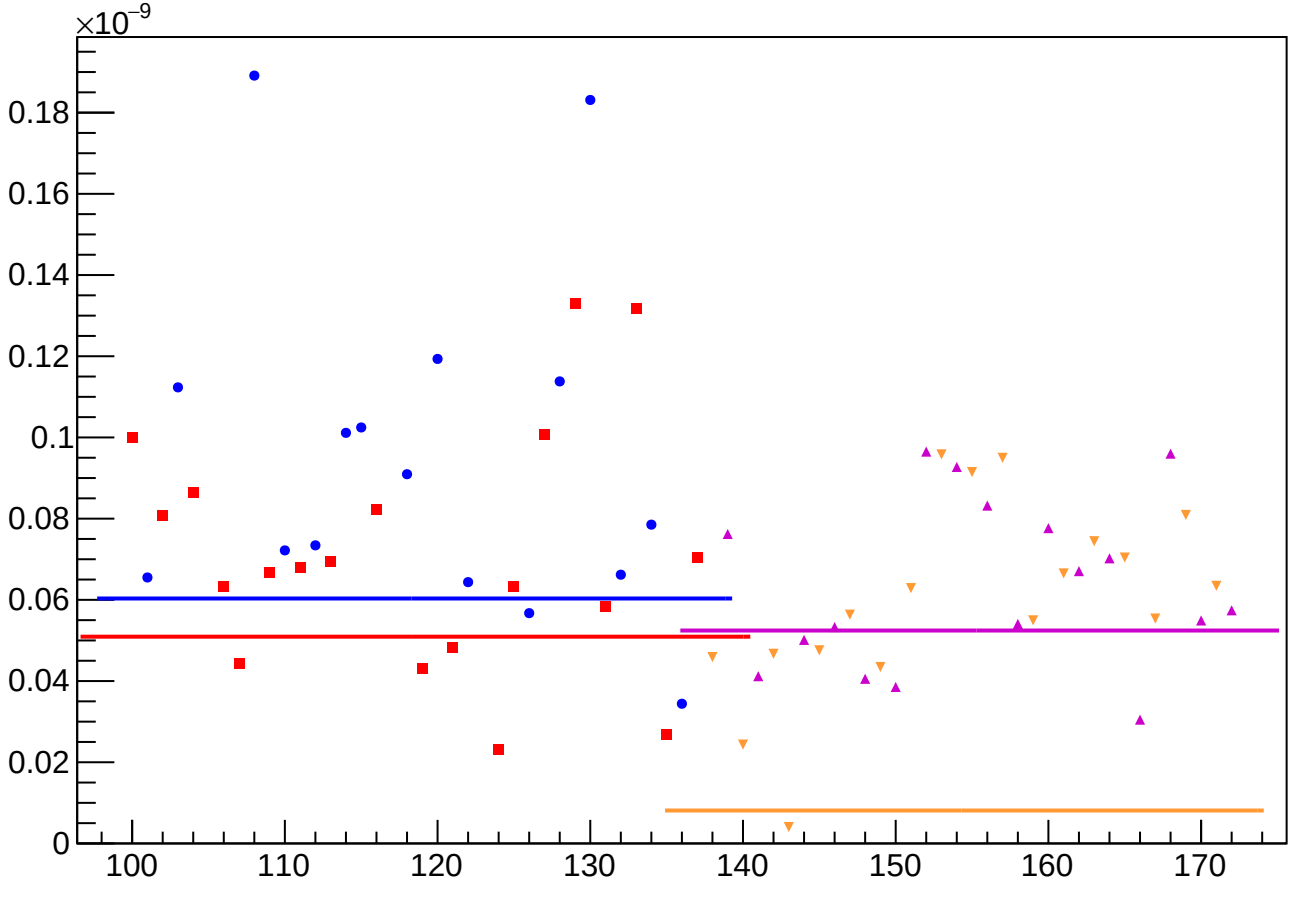
Left: -0.000+/-0.000 χ^2/NDF: 30.5/34

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:31.8/36

All: 0.000+/-0.000 χ^2/NDF: 68.8/69



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14269565.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1932652.6/16

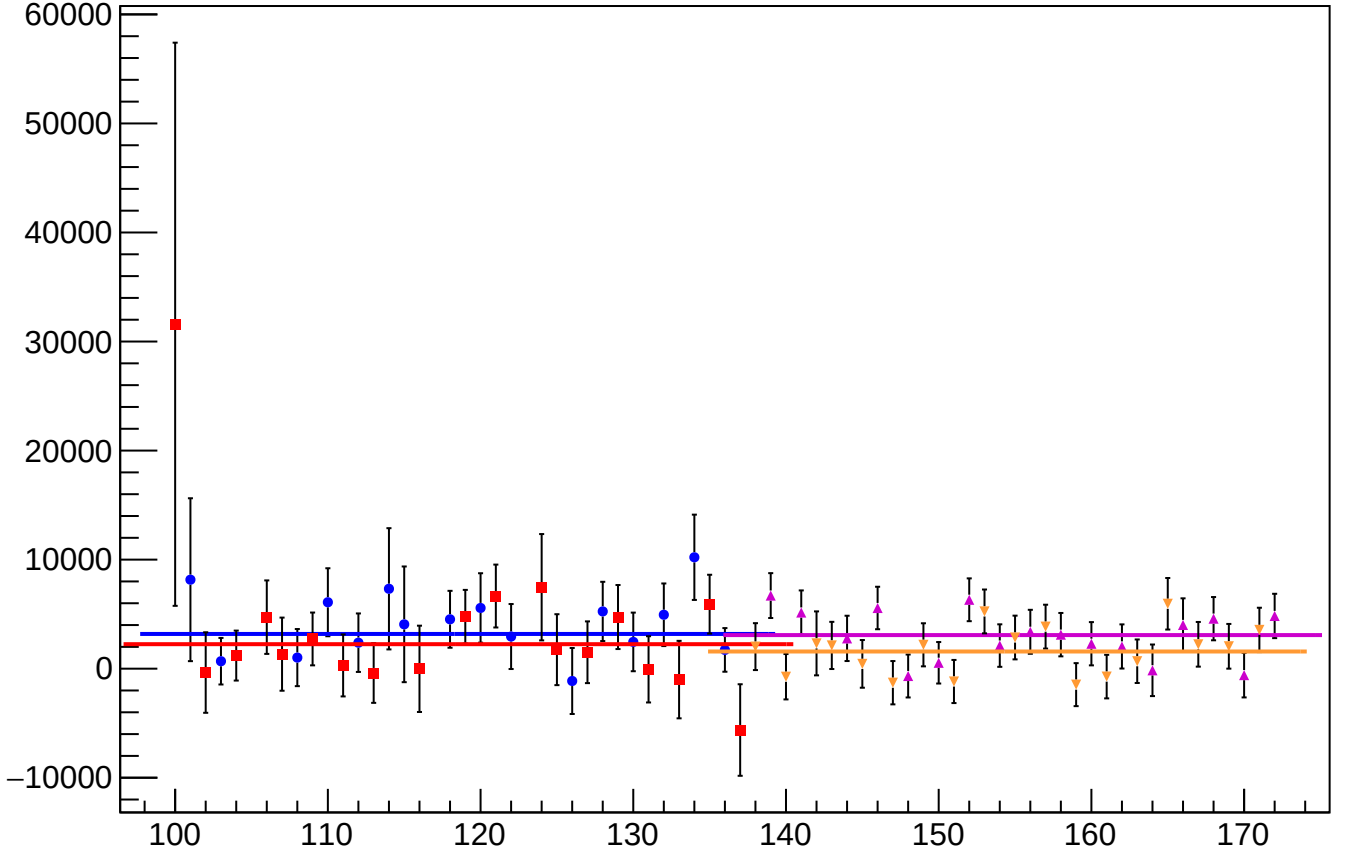
Left: 0.000+/-0.000 χ^2/NDF: 27460728.6/34

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:20706153.0/36

All: 0.000+/-0.000 χ^2/NDF: 39191330.1/69



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1575.145+/-490.791 χ^2/NDF:19.3/17

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: 2323.942+/-347.878 χ^2/NDF: 45.1/34

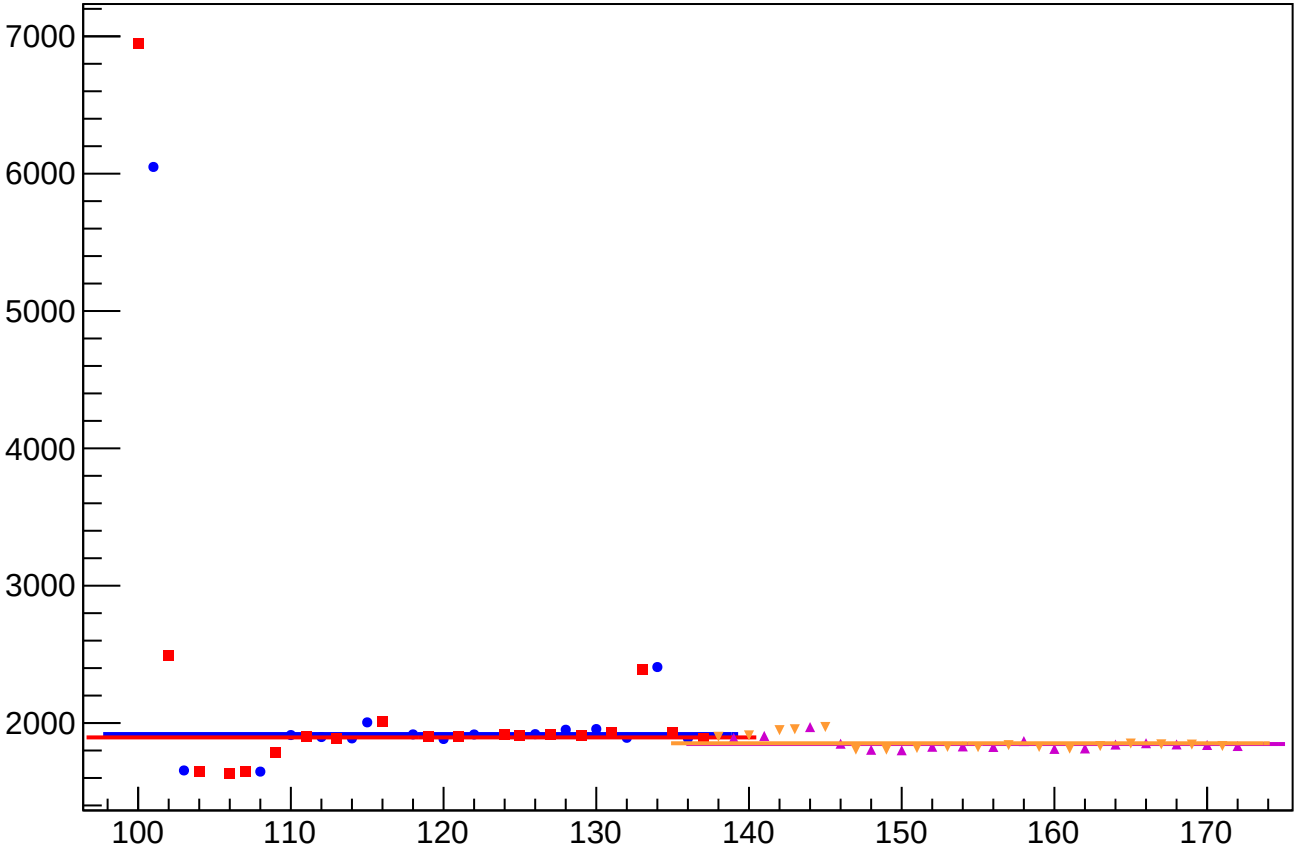
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3112.432+/-408.851 χ^2/NDF:32.9/32

Out: 1791.697+/-403.891 χ^2/NDF:36.4/36

All: 2444.005+/-287.331 χ^2/NDF: 74.5/69

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1852.650+/-0.347 χ^2/NDF:20184.8/17

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1847.108+/-0.349 χ^2/NDF:13856.9/16

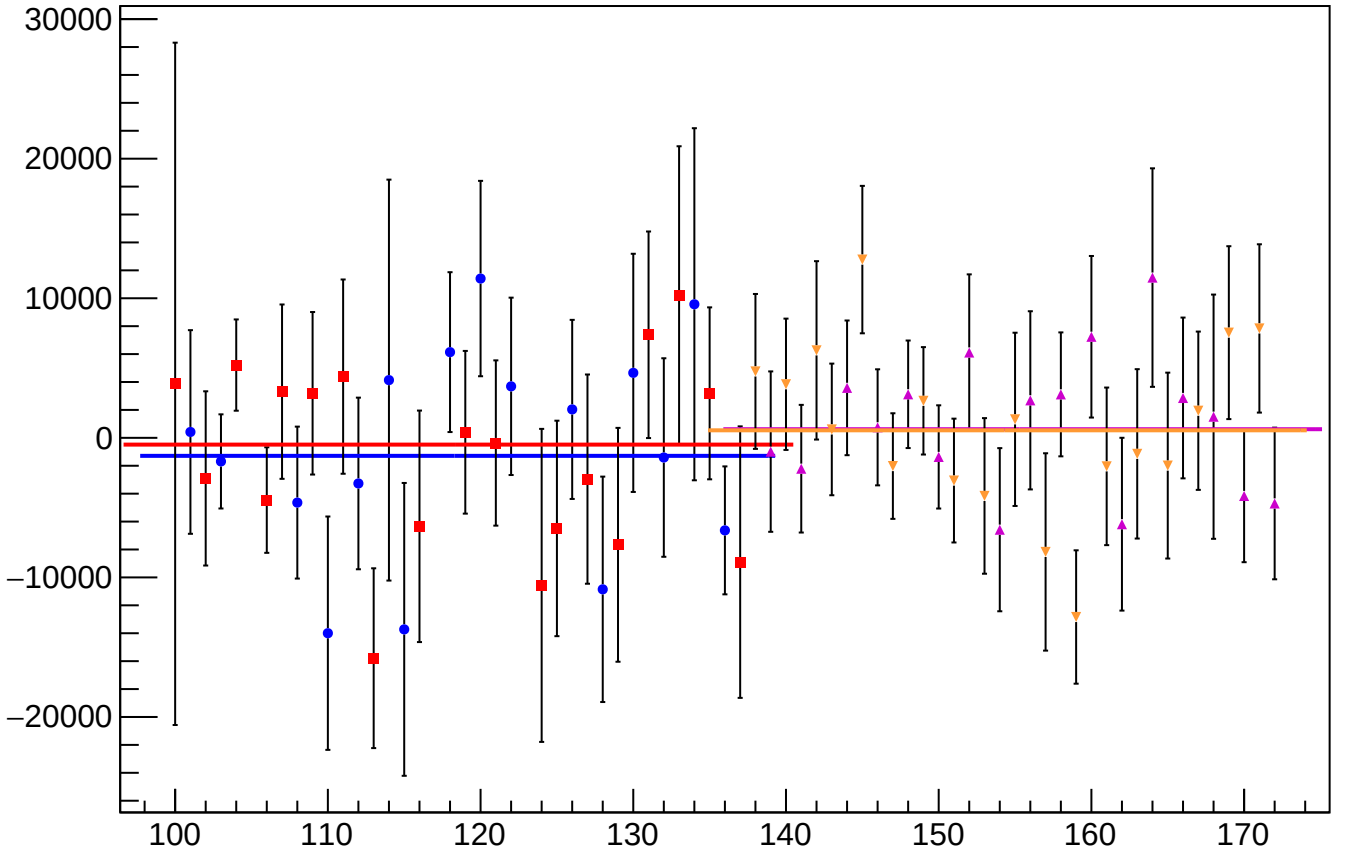
Left: 1849.892+/-0.246 χ^2/NDF: 34168.6/34

Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1869.848+/-0.289 χ^2/NDF:724786.5/32

Out: 1866.501+/-0.285 χ^2/NDF:247370.6/36

All: 1868.152+/-0.203 χ^2/NDF: 972225.0/69



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 539.286+/-1231.901 χ^2/NDF:22.0/17

Right Out: -485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: 618.850+/-1240.725 χ^2/NDF:11.0/16

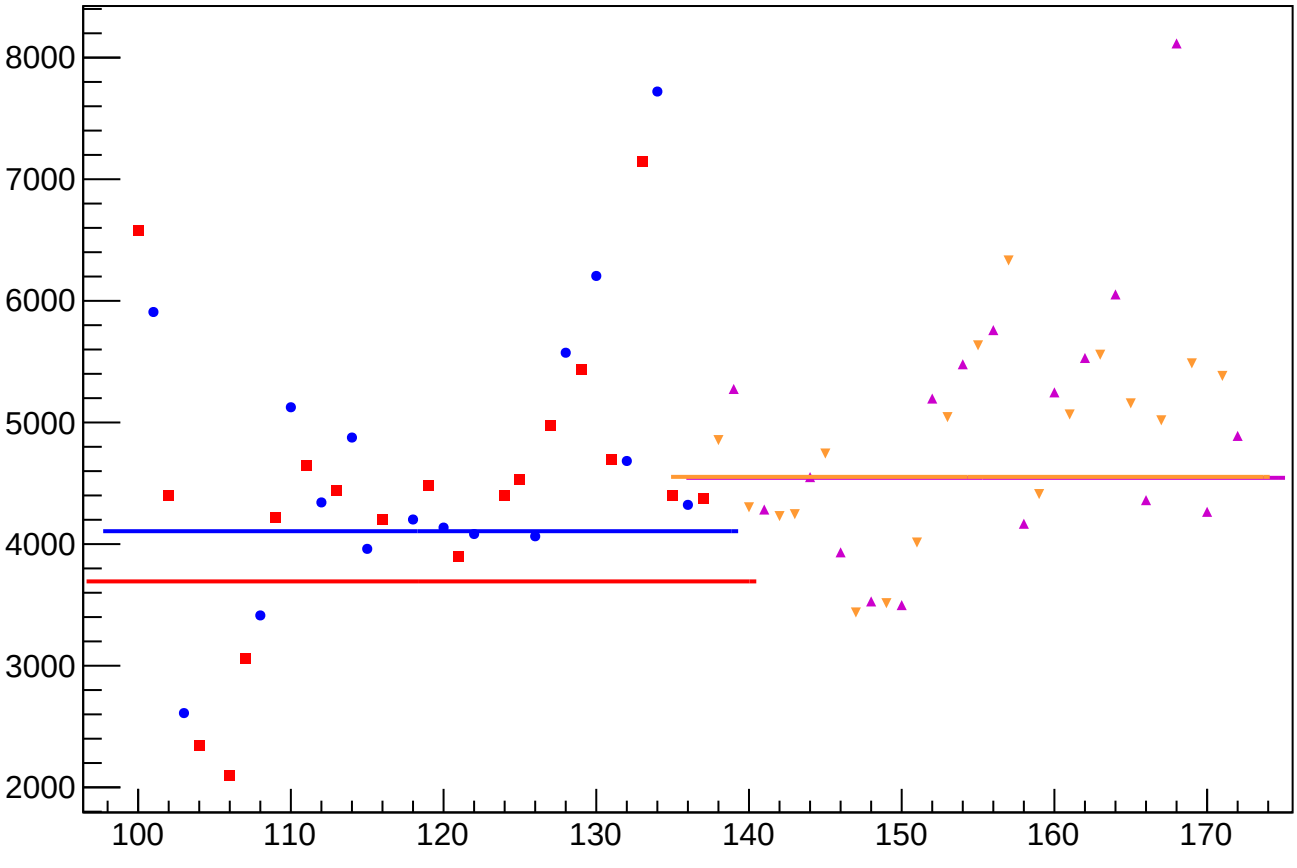
Left: 578.784+/-874.188 χ^2/NDF: 33.0/34

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

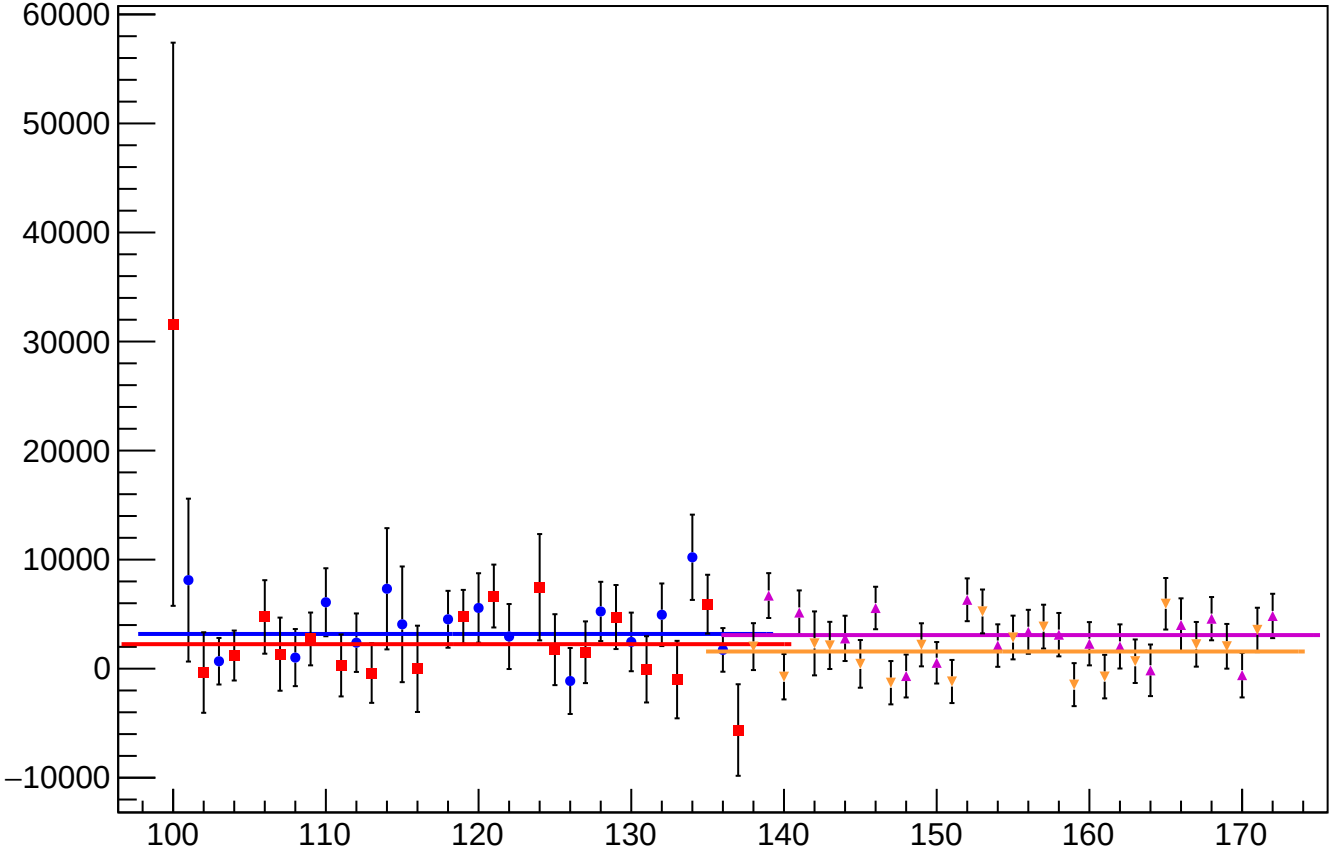
In: -106.353+/-977.092 χ^2/NDF:26.2/32

Out: 105.466+/-935.397 χ^2/NDF:39.5/36

All: 4.172+/-675.685 χ^2/NDF: 65.7/69


asym_atr_avg_reg_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 4106.141+/-1.121 χ²/NDF: 956130.4/15
Left Out: 4552.905+/-0.871 χ²/NDF:766160.5/17
Right Out: 3693.266+/-1.016 χ²/NDF: 1356643.3/18
Left In: 4544.962+/-0.877 χ²/NDF:1051278.1/16
Left: 4548.962+/-0.618 χ²/NDF: 1817479.8/34
Right: 3879.542+/-0.753 χ²/NDF: 2387214.5/34
In: 4378.290+/-0.691 χ²/NDF:2102431.4/32
Out: 4188.895+/-0.661 χ²/NDF:2535193.1/36
All: 4279.465+/-0.478 χ²/NDF: 4676834.4/69

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1575.019+/-490.791 χ^2/NDF:19.3/17

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: 2323.873+/-347.878 χ^2/NDF: 45.1/34

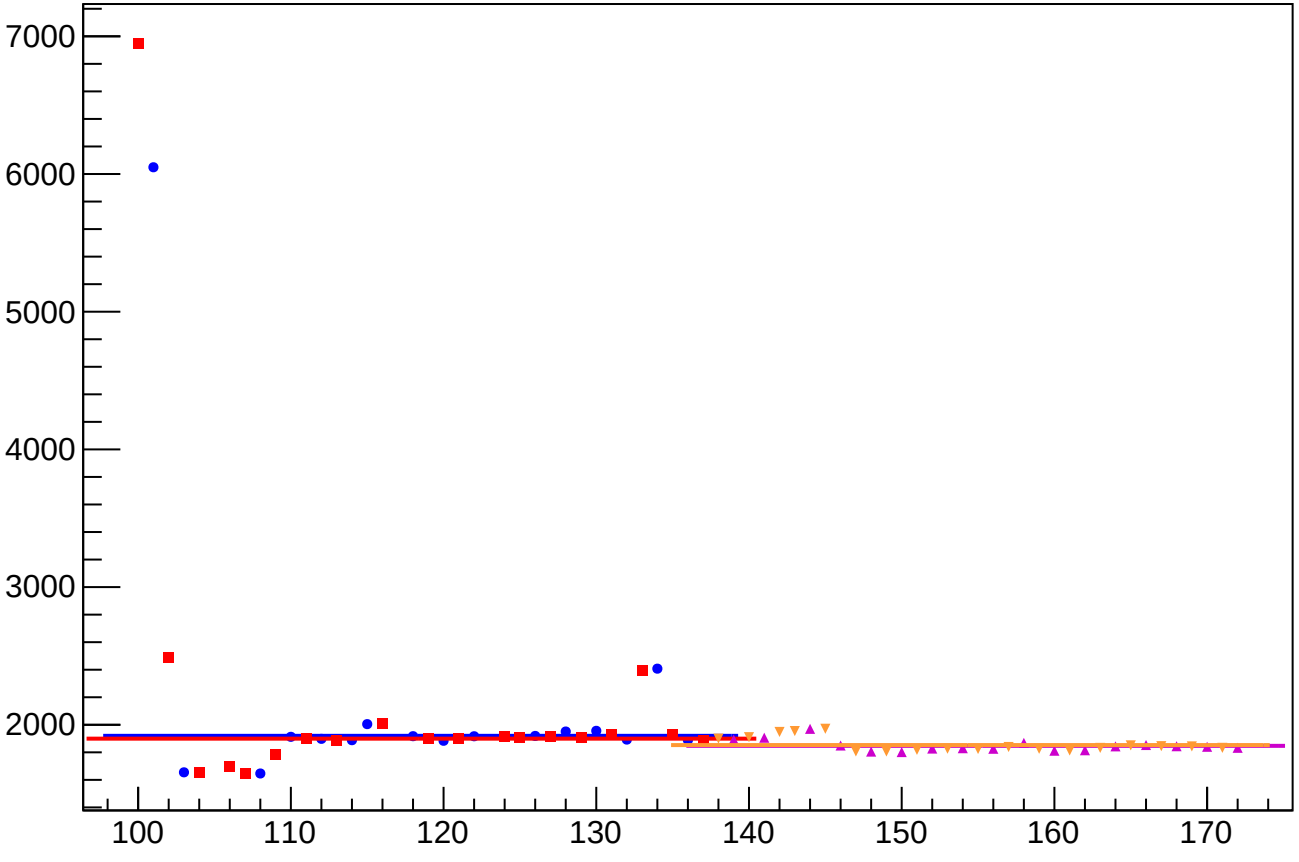
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3112.196+/-408.851 χ^2/NDF:32.9/32

Out: 1791.976+/-403.892 χ^2/NDF:36.4/36

All: 2444.031+/-287.332 χ^2/NDF: 74.5/69

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1852.650+/-0.347 χ^2/NDF:20184.8/17

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1847.108+/-0.349 χ^2/NDF:13856.9/16

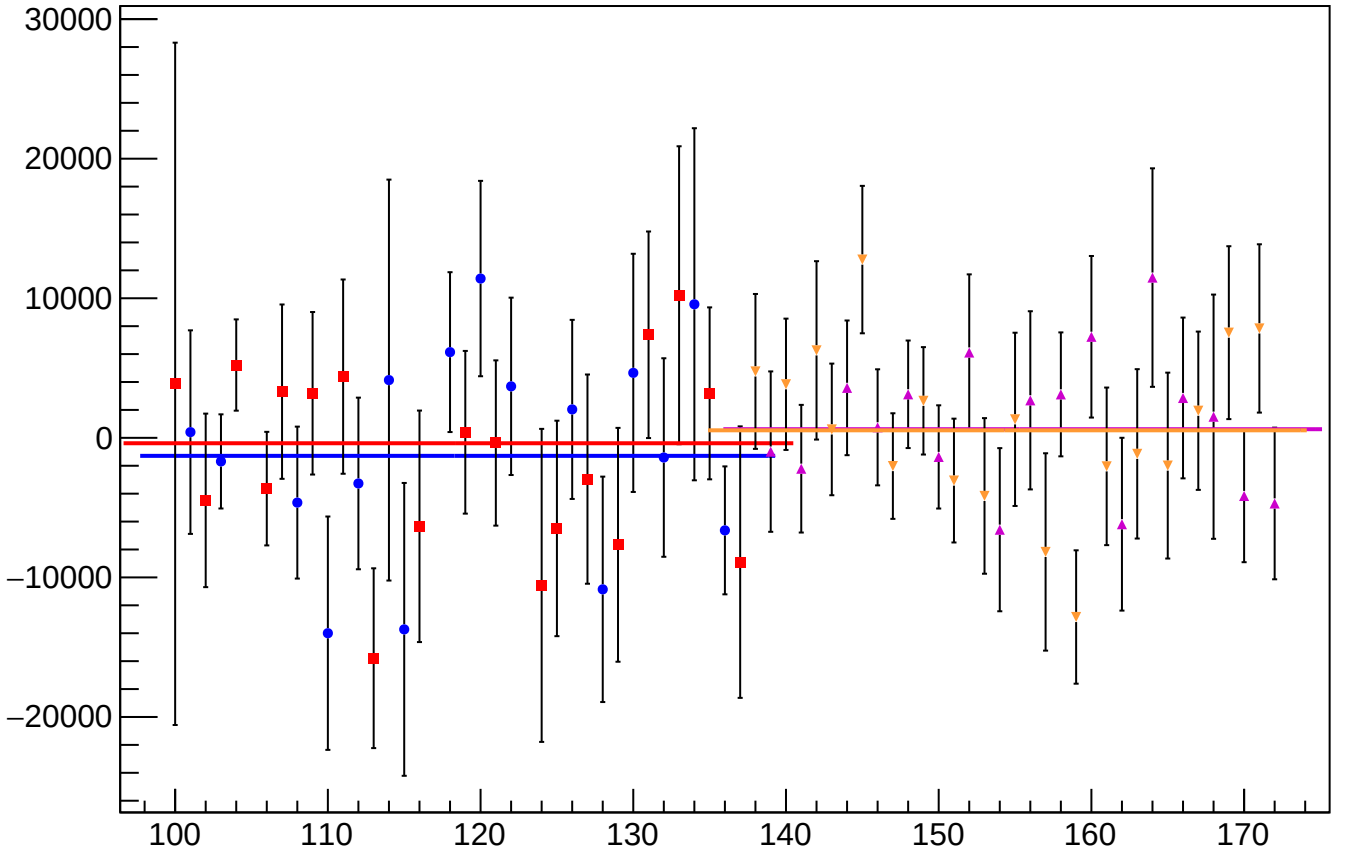
Left: 1849.893+/-0.246 χ^2/NDF: 34168.6/34

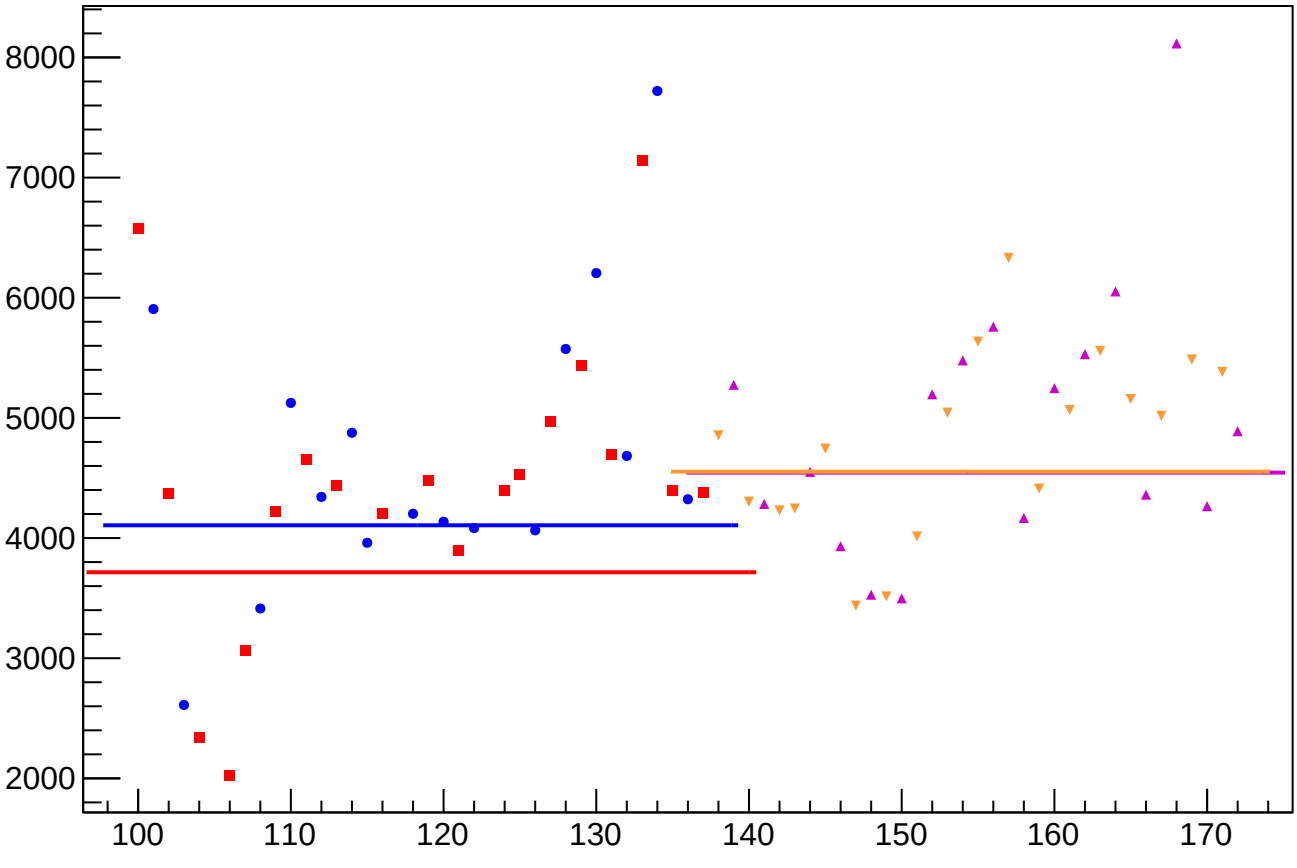
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1869.848+/-0.289 χ^2/NDF:724785.8/32

Out: 1867.760+/-0.285 χ^2/NDF:241699.5/36

All: 1868.791+/-0.203 χ^2/NDF: 966511.7/69


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: 539.253+/-1231.898 χ²/NDF:22.0/17
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: 618.875+/-1240.725 χ²/NDF:11.0/16
Left: 578.780+/-874.188 χ²/NDF: 33.0/34
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: -106.476+/-977.092 χ²/NDF:26.2/32
Out: 151.172+/-939.239 χ²/NDF:39.2/36
All: 27.435+/-677.129 χ²/NDF: 65.4/69



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4552.893+/-0.871 χ^2/NDF:766176.8/17

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4544.964+/-0.877 χ^2/NDF:1051272.6/16

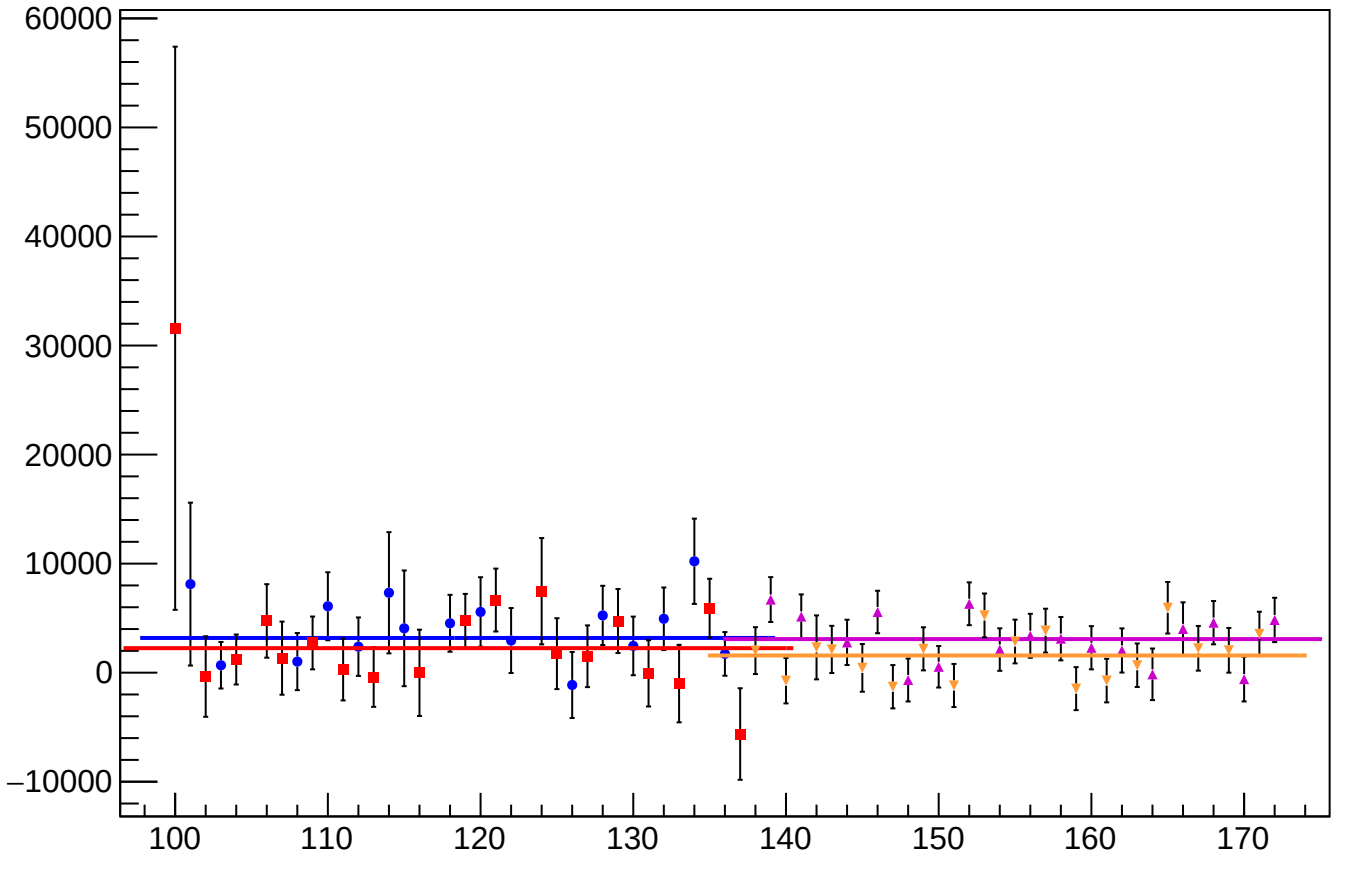
Left: 4548.957+/-0.618 χ^2/NDF: 1817490.5/34

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4378.327+/-0.691 χ^2/NDF:2101887.1/32

Out: 4202.154+/-0.664 χ^2/NDF:2488488.2/36

All: 4286.762+/-0.479 χ^2/NDF: 4624168.3/69



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1575.019+/-490.791 χ^2/NDF:19.3/17

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3079.994+/-493.166 χ^2/NDF:21.2/16

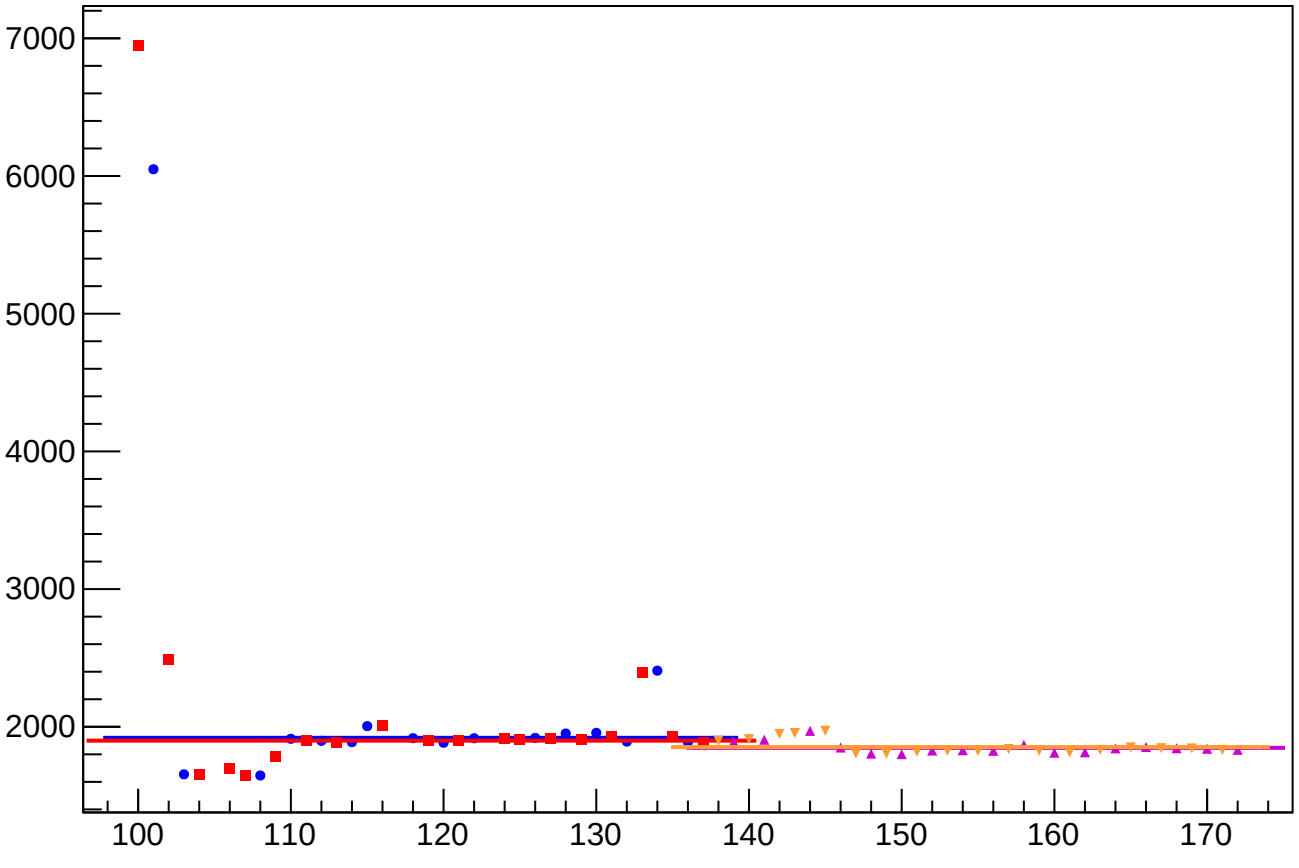
Left: 2323.873+/-347.878 χ^2/NDF: 45.1/34

Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3112.196+/-408.851 χ^2/NDF:32.9/32

Out: 1791.976+/-403.892 χ^2/NDF:36.4/36

All: 2444.031+/-287.332 χ^2/NDF: 74.5/69



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1852.650+/-0.347 χ^2/NDF:20184.8/17

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1847.108+/-0.349 χ^2/NDF:13856.9/16

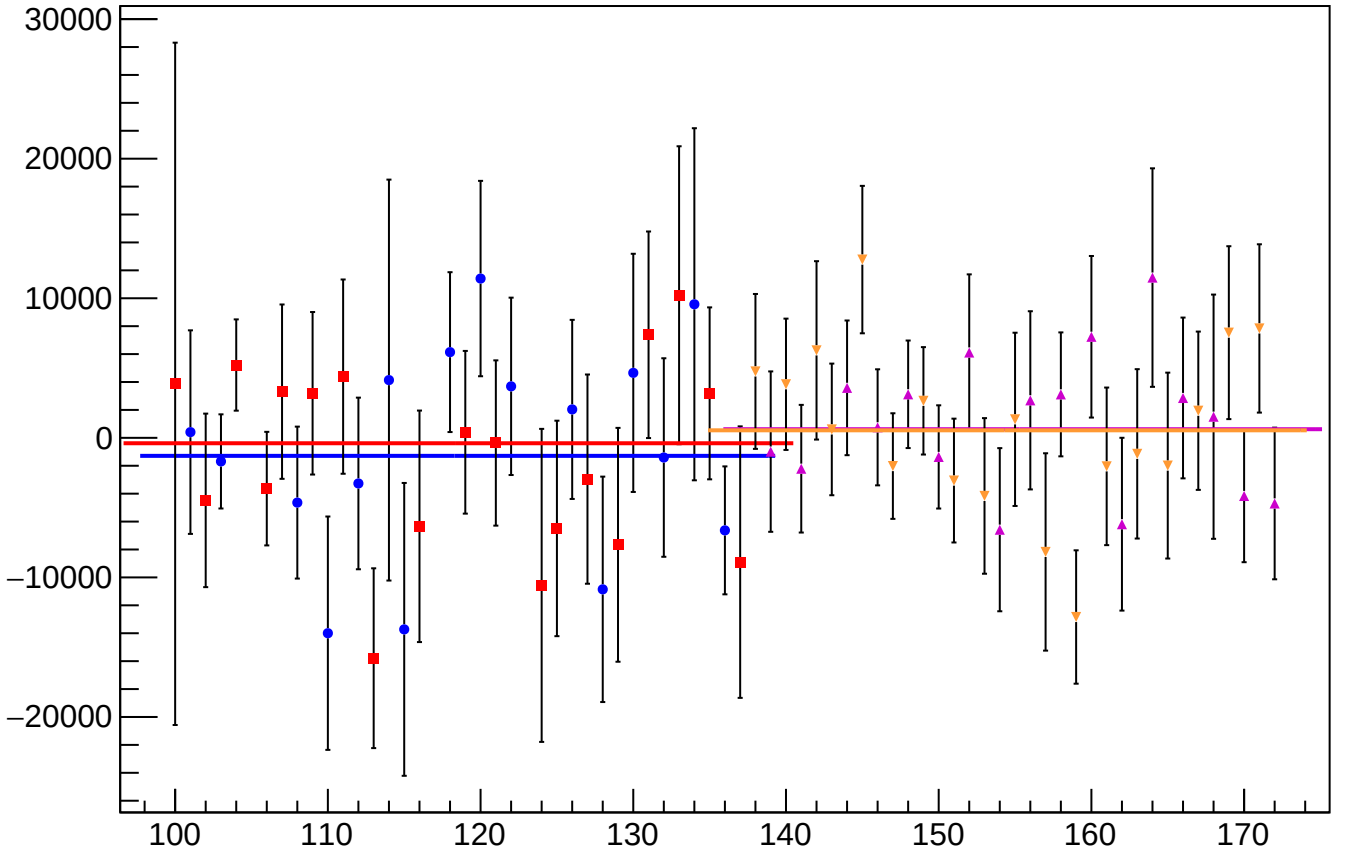
Left: 1849.893+/-0.246 χ^2/NDF: 34168.6/34

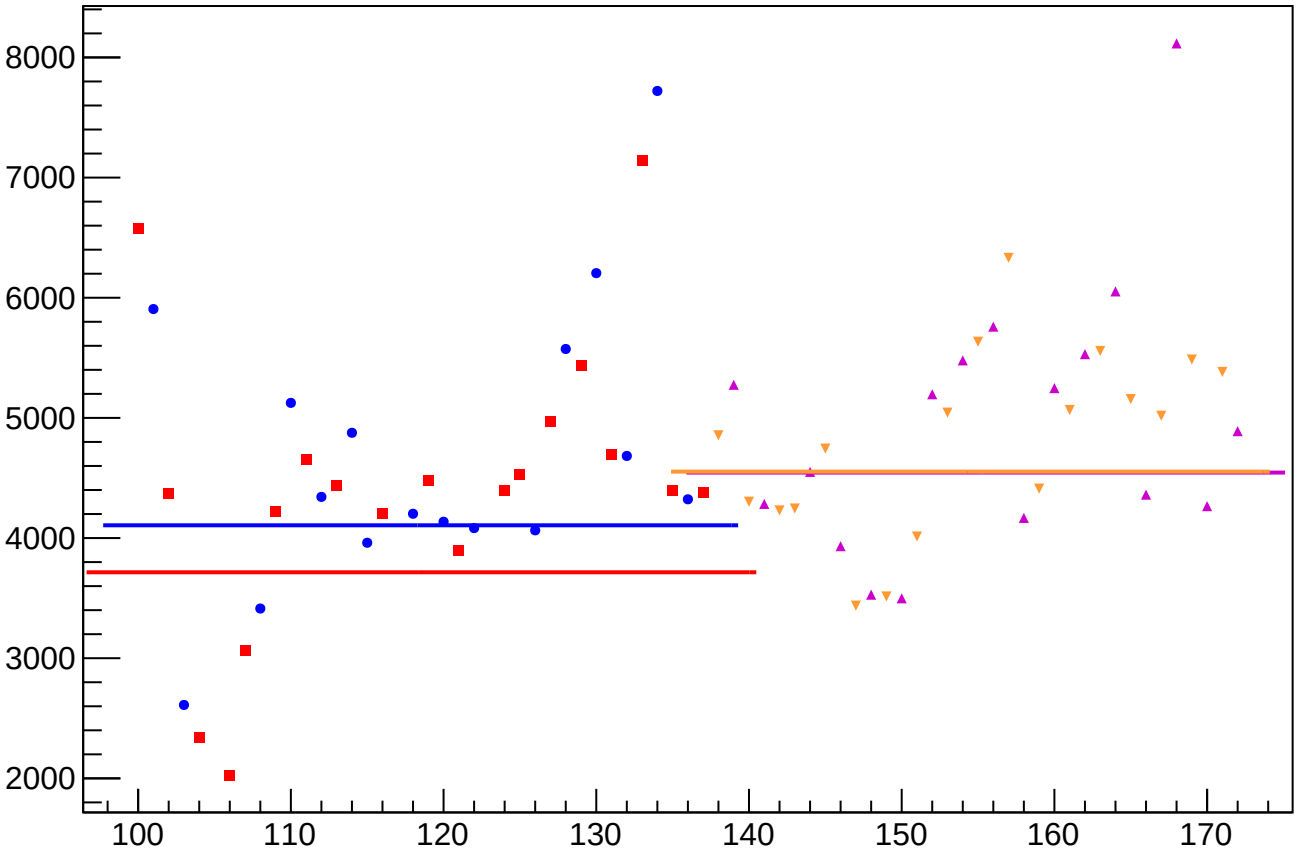
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1869.848+/-0.289 χ^2/NDF:724785.8/32

Out: 1867.760+/-0.285 χ^2/NDF:241699.5/36

All: 1868.791+/-0.203 χ^2/NDF: 966511.7/69


asym_atr_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: -1290.862+/-1585.435 χ²/NDF: 14.3/15
Left Out: 539.253+/-1231.898 χ²/NDF:22.0/17
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: 618.875+/-1240.725 χ²/NDF:11.0/16
Left: 578.780+/-874.188 χ²/NDF: 33.0/34
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: -106.476+/-977.092 χ²/NDF:26.2/32
Out: 151.172+/-939.239 χ²/NDF:39.2/36
All: 27.435+/-677.129 χ²/NDF: 65.4/69


asym_atr_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
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2000
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110
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130
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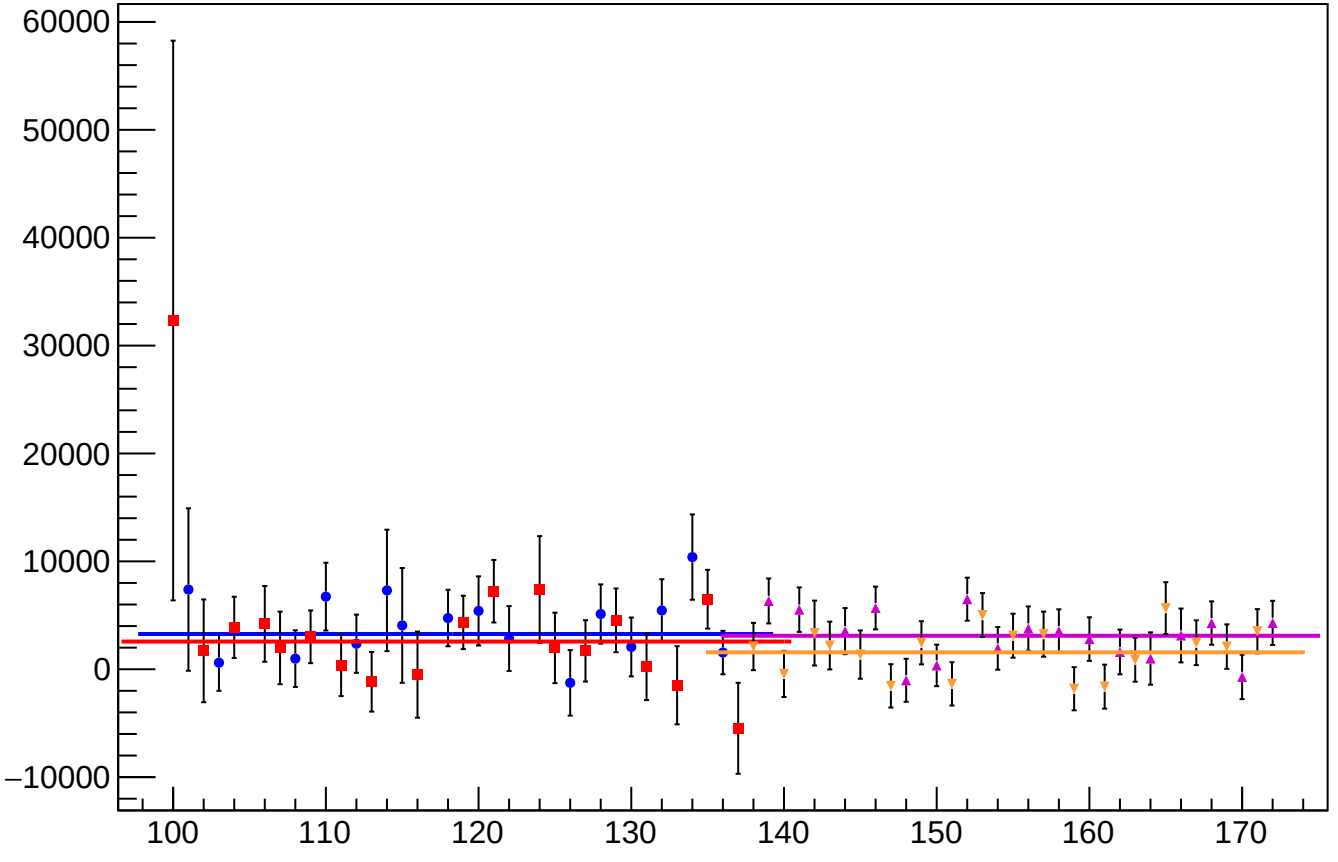
150
160
170
Right In: 4106.234+/-1.121 χ²/NDF: 955631.2/15
Left Out: 4552.893+/-0.871 χ²/NDF:766176.8/17
Right Out: 3715.202+/-1.026 χ²/NDF: 1335100.7/18
Left In: 4544.964+/-0.877 χ²/NDF:1051272.6/16
Left: 4548.957+/-0.618 χ²/NDF: 1817490.5/34
Right: 3893.510+/-0.757 χ²/NDF: 2356917.1/34
In: 4378.327+/-0.691 χ²/NDF:2101887.1/32
Out: 4202.154+/-0.664 χ²/NDF:2488488.2/36
All: 4286.762+/-0.479 χ²/NDF: 4624168.3/69

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1567.415+/-499.603 χ^2/NDF:19.6/17

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: 2333.582+/-353.770 χ^2/NDF: 45.0/34

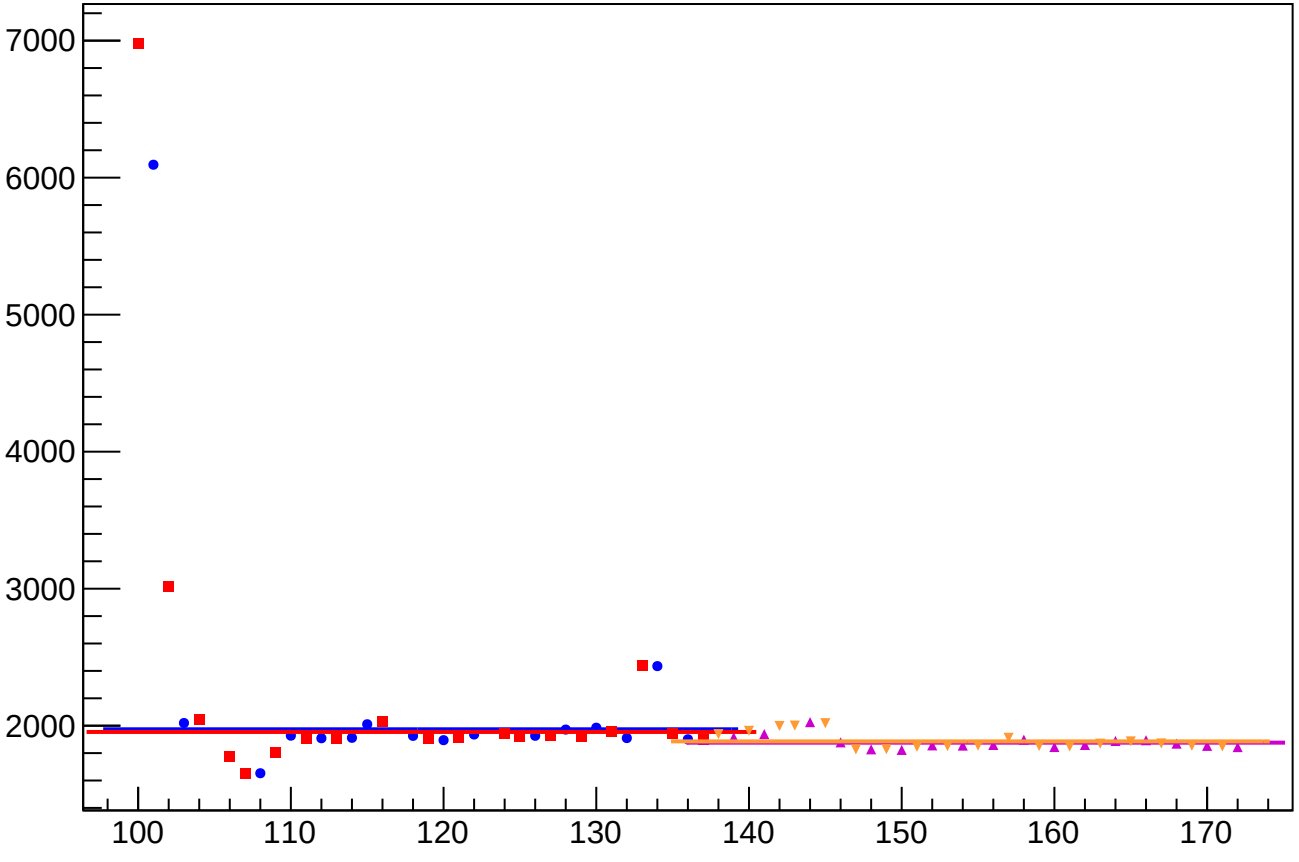
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3153.546+/-416.757 χ^2/NDF:32.8/32

Out: 1883.279+/-413.164 χ^2/NDF:37.9/36

All: 2512.913+/-293.413 χ^2/NDF: 75.5/69

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1885.600+/-0.353 χ^2/NDF:27057.0/17

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1876.326+/-0.354 χ^2/NDF:17450.5/16

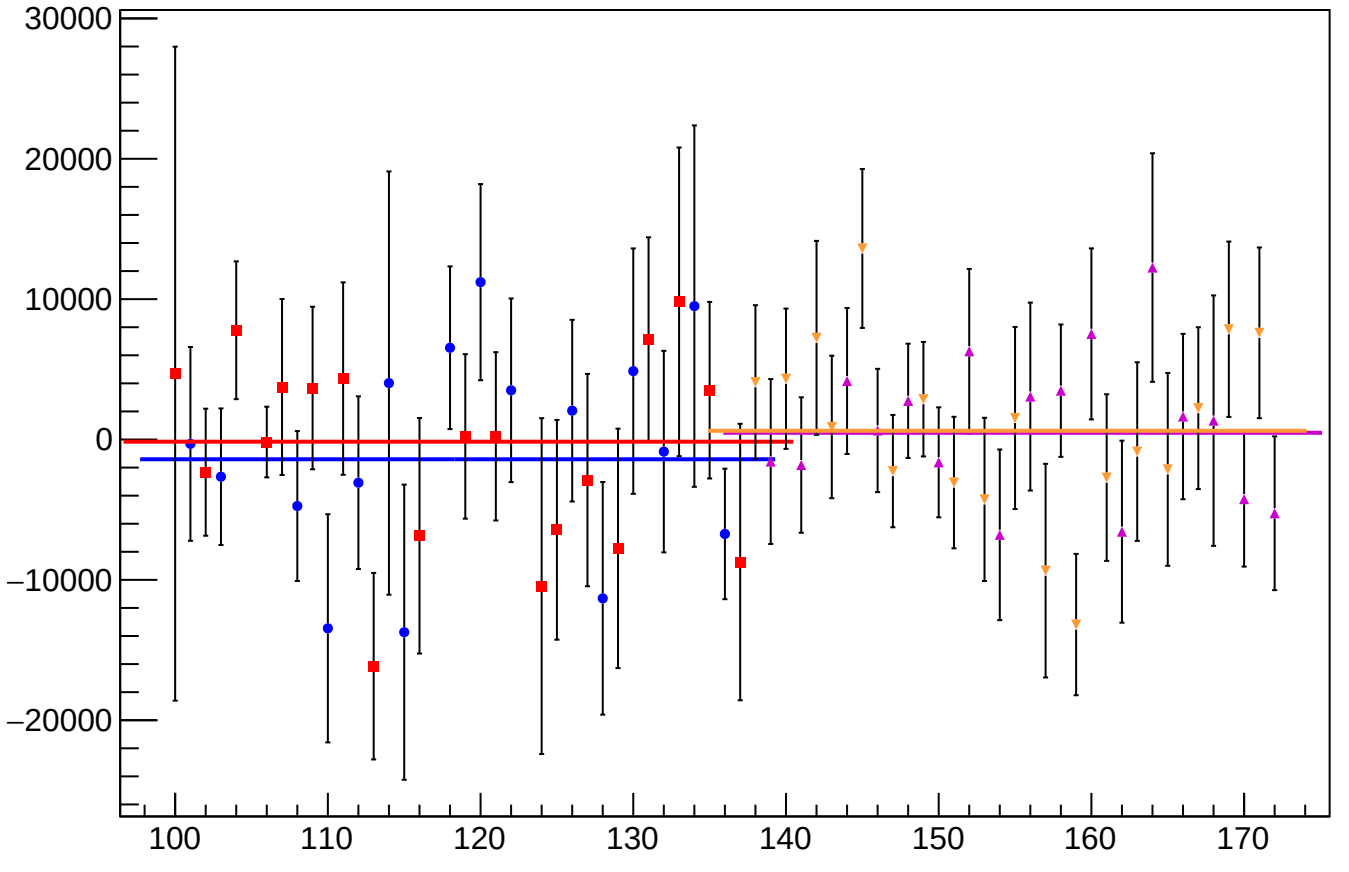
Left: 1880.976+/-0.250 χ^2/NDF: 44851.0/34

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1906.339+/-0.295 χ^2/NDF:705870.9/32

Out: 1907.354+/-0.292 χ^2/NDF:285250.3/36

All: 1906.851+/-0.207 χ^2/NDF: 991127.2/69



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 621.505+/-1291.602 χ^2/NDF:21.8/17

Right Out: -155.271+/-1363.642 χ^2/NDF: 15.8/18

Left In: 479.133+/-1298.184 χ^2/NDF:11.1/16

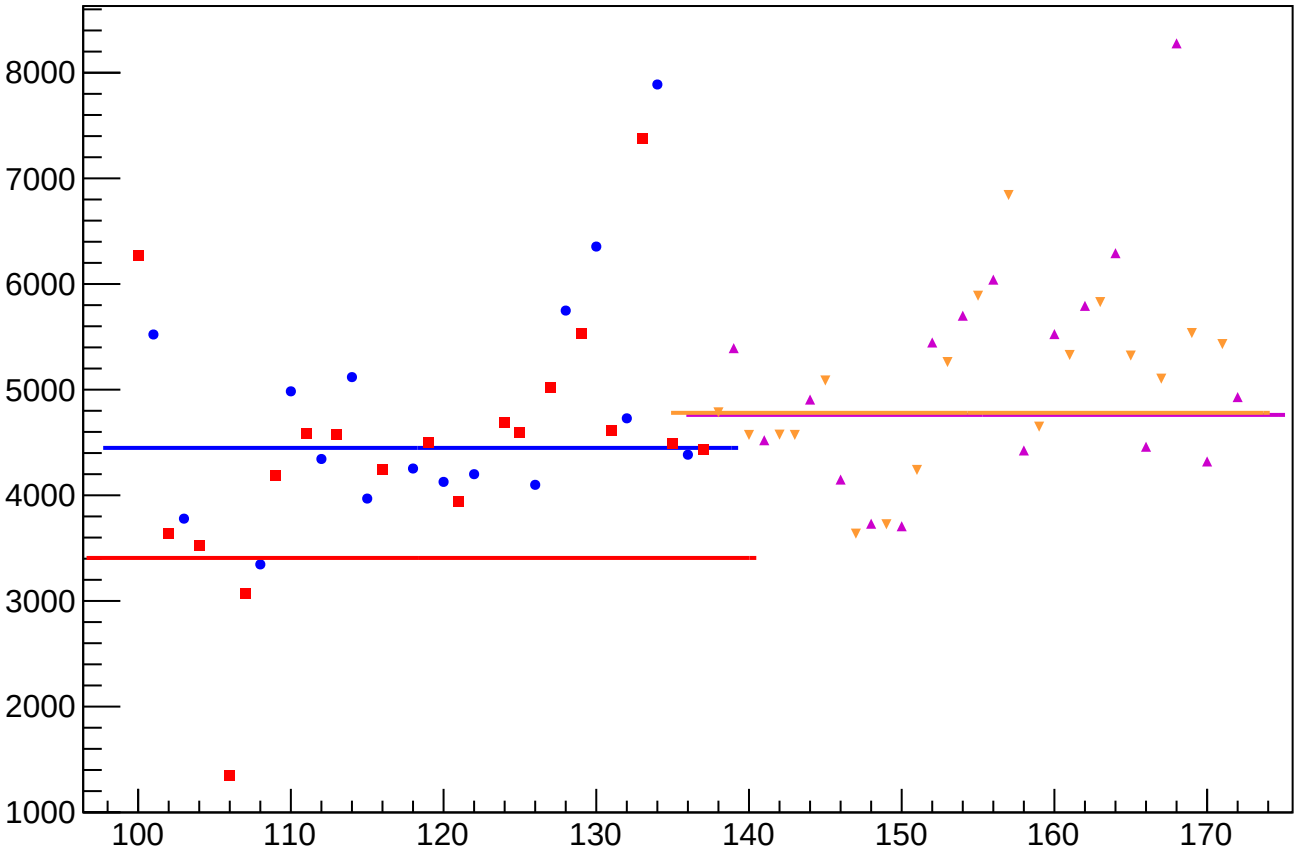
Left: 550.681+/-915.619 χ^2/NDF: 32.9/34

Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

In: -220.948+/-1029.504 χ^2/NDF:26.1/32

Out: 254.176+/-937.735 χ^2/NDF:37.8/36

All: 38.730+/-693.256 χ^2/NDF: 64.0/69



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4780.693+/-0.913 χ^2/NDF:700573.9/17

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4761.066+/-0.918 χ^2/NDF:986867.7/16

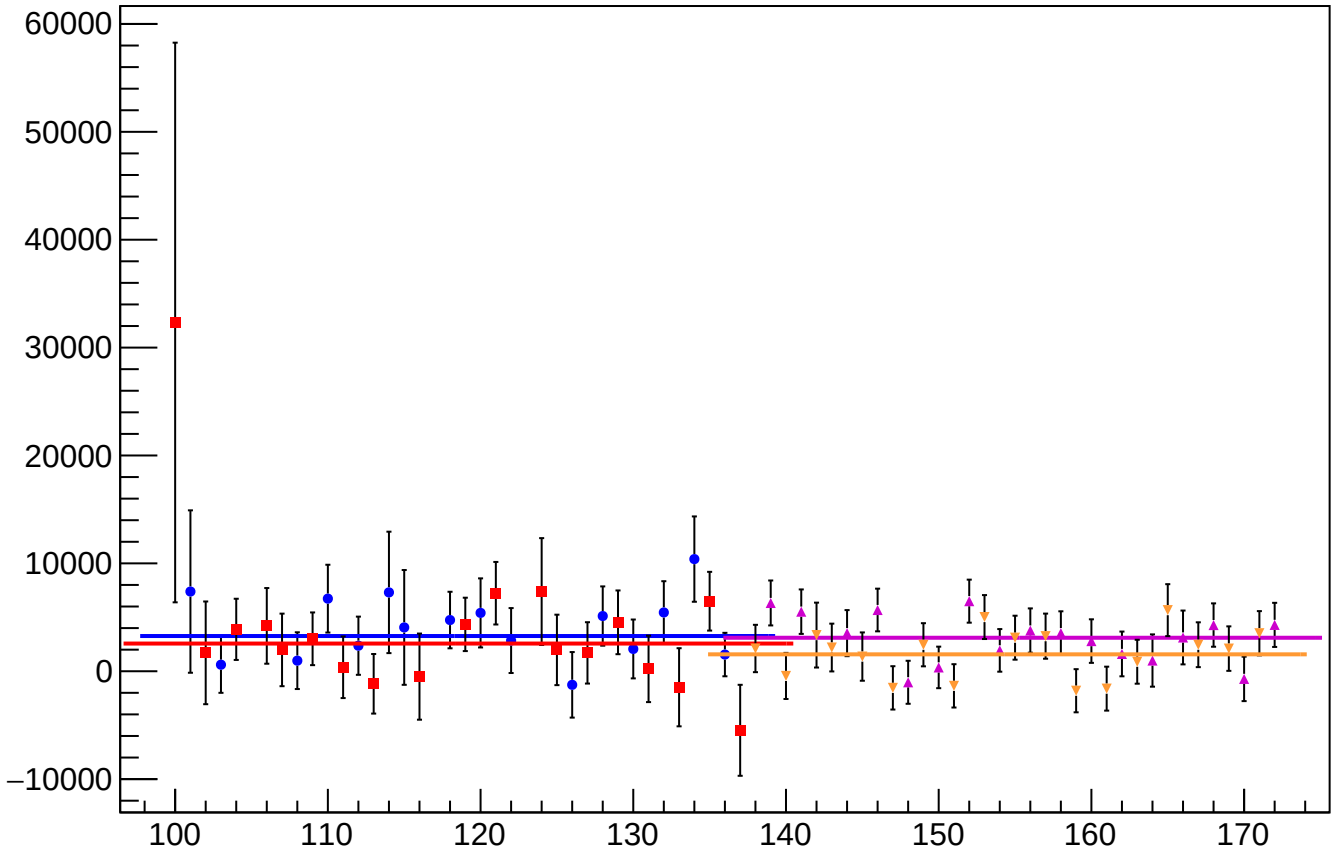
Left: 4770.929+/-0.647 χ^2/NDF: 1687671.3/34

Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4645.152+/-0.728 χ^2/NDF:1524449.0/32

Out: 4131.150+/-0.663 χ^2/NDF:4096255.6/36

All: 4364.225+/-0.490 χ^2/NDF: 5893182.9/69



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1567.409+/-499.603 χ^2/NDF:19.6/17

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 3104.088+/-501.014 χ^2/NDF:20.6/16

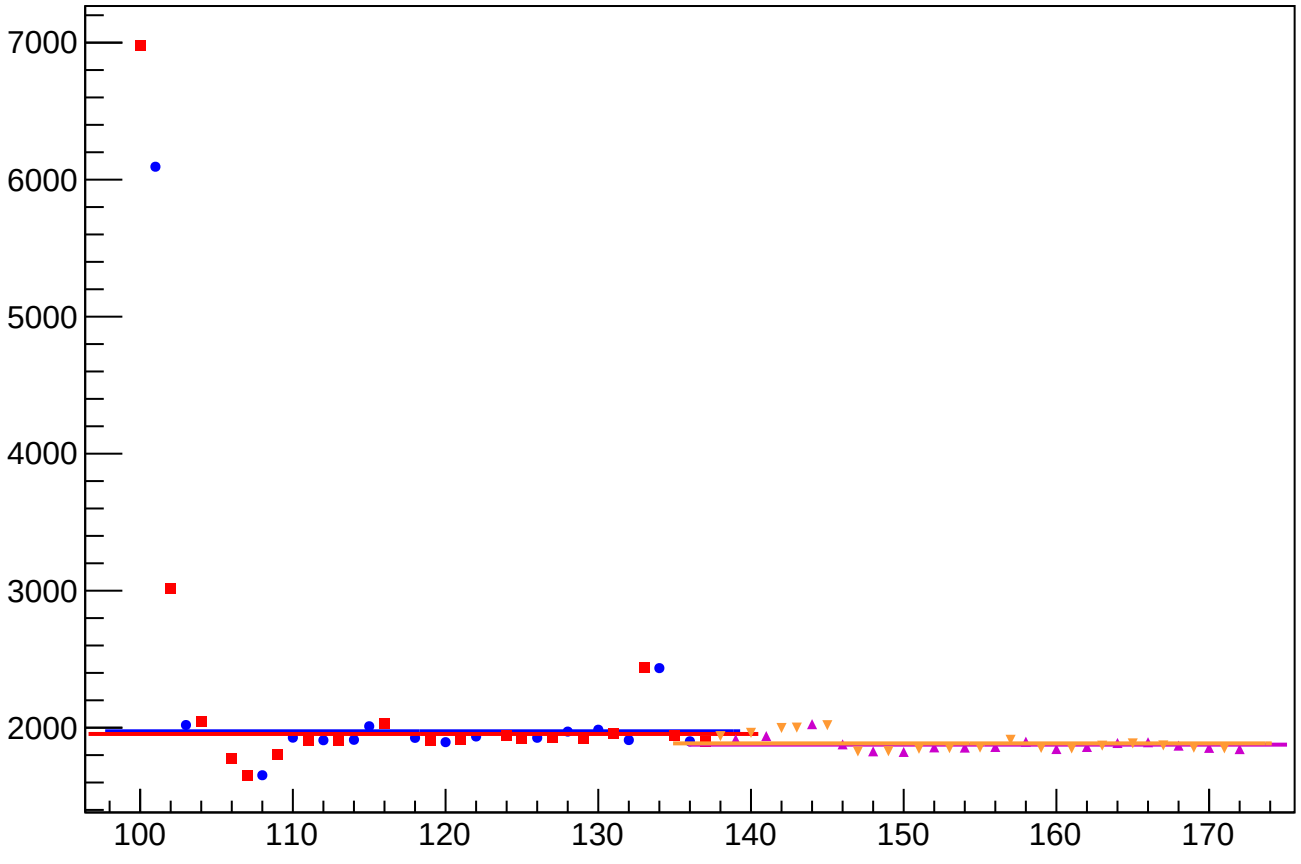
Left: 2333.581+/-353.771 χ^2/NDF: 45.0/34

Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 3153.549+/-416.757 χ^2/NDF:32.8/32

Out: 1883.277+/-413.164 χ^2/NDF:37.9/36

All: 2512.914+/-293.413 χ^2/NDF: 75.5/69


eigen_dit_asym_atr_avg_rms vs Slug, Sign Corrected
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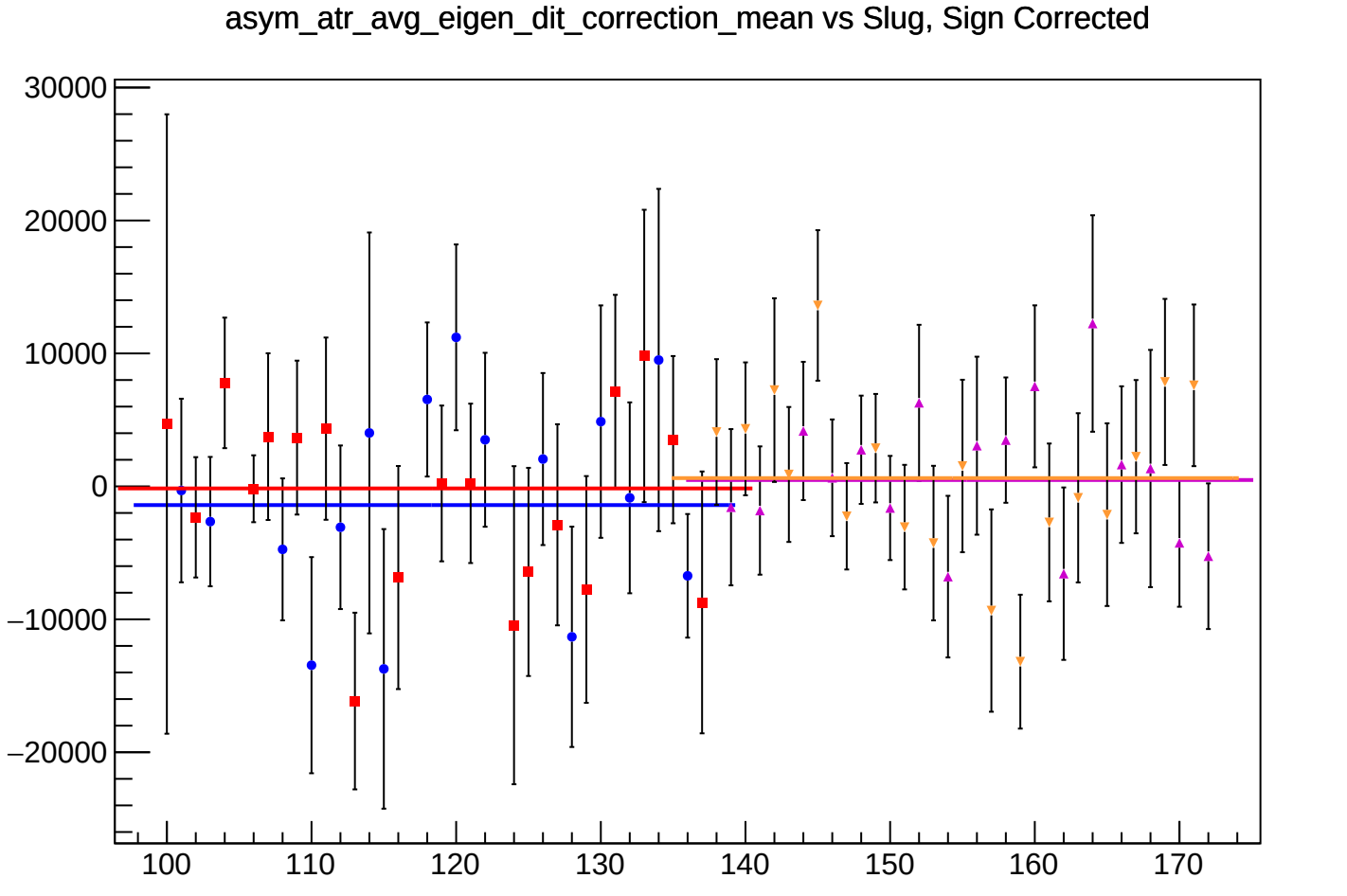
Right In: 1973.748+/-0.531 χ²/NDF: 665124.2/15
Left Out: 1885.600+/-0.353 χ²/NDF:27057.1/17
Right Out: 1954.339+/-0.519 χ²/NDF: 246210.8/18
Left In: 1876.327+/-0.354 χ²/NDF:17450.5/16
Left: 1880.977+/-0.250 χ²/NDF: 44851.1/34
Right: 1963.826+/-0.371 χ²/NDF: 912018.2/34
In: 1906.339+/-0.295 χ²/NDF:705870.3/32
Out: 1907.354+/-0.292 χ²/NDF:285249.5/36
All: 1906.851+/-0.207 χ²/NDF: 991125.8/69


asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
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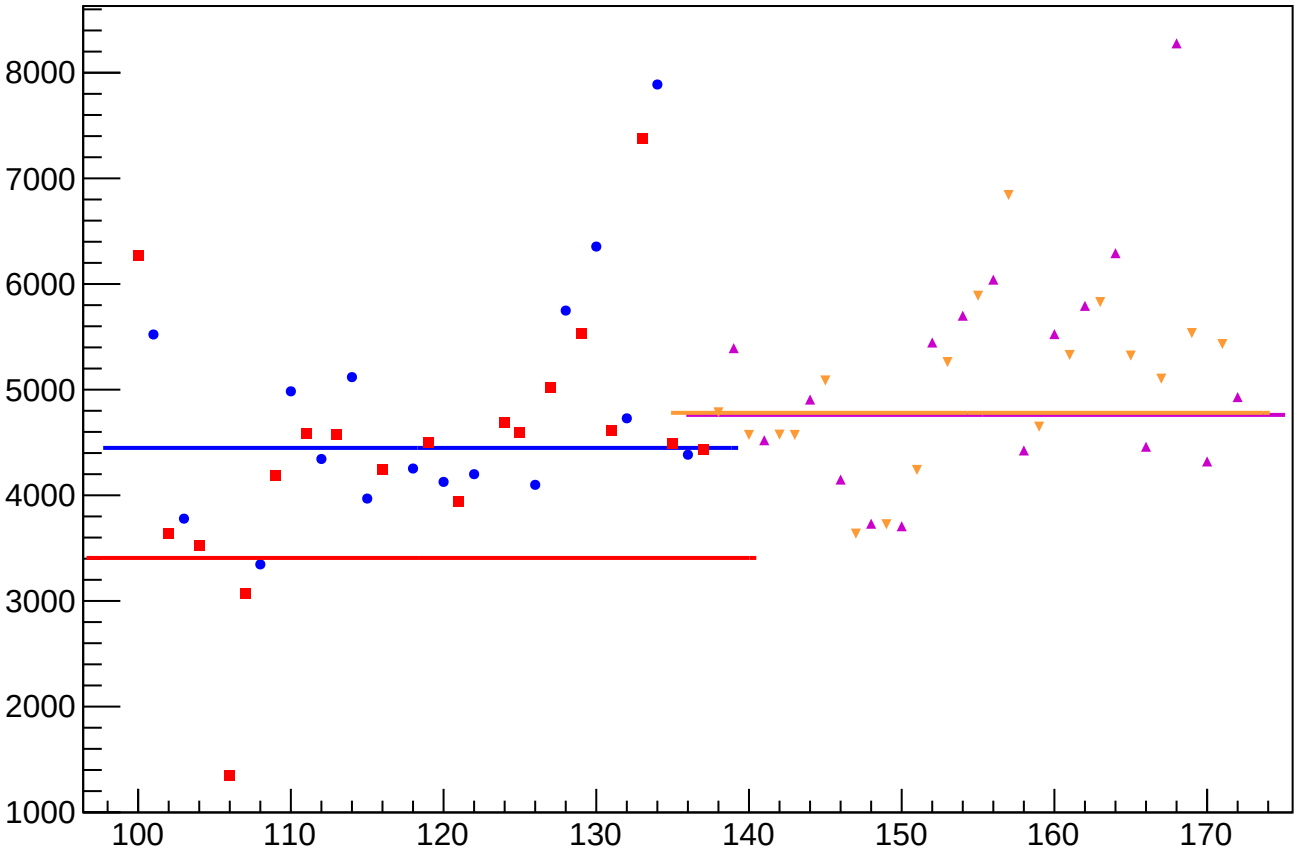
Right In: -1407.363+/-1689.986 χ²/NDF: 14.2/15
Left Out: 621.503+/-1291.604 χ²/NDF:21.8/17
Right Out: -155.272+/-1363.639 χ²/NDF: 15.8/18
Left In: 479.131+/-1298.186 χ²/NDF:11.1/16
Left: 550.679+/-915.620 χ²/NDF: 32.9/34
Right: -649.016+/-1061.245 χ²/NDF: 30.4/34
In: -220.945+/-1029.504 χ²/NDF:26.1/32
Out: 254.173+/-937.734 χ²/NDF:37.8/36
All: 38.730+/-693.256 χ²/NDF: 64.0/69



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4780.701+/-0.913 χ^2/NDF:700573.7/17

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: 4770.937+/-0.647 χ^2/NDF: 1687671.3/34

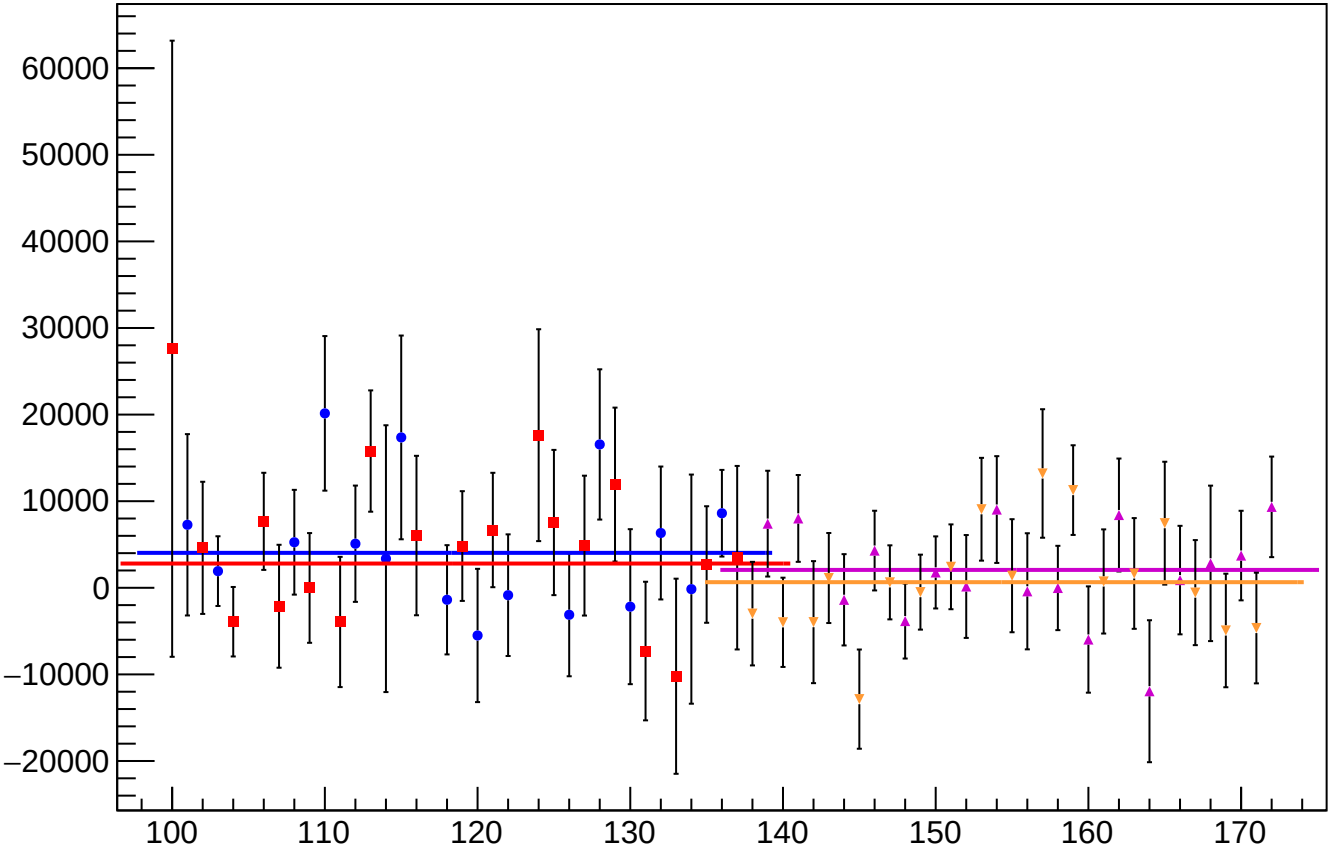
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4645.153+/-0.728 χ^2/NDF:1524450.2/32

Out: 4131.147+/-0.663 χ^2/NDF:4096284.3/36

All: 4364.224+/-0.490 χ^2/NDF: 5893216.7/69

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 648.587+/-1339.577 χ^2/NDF:18.9/17

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 2064.989+/-1348.503 χ^2/NDF:13.7/16

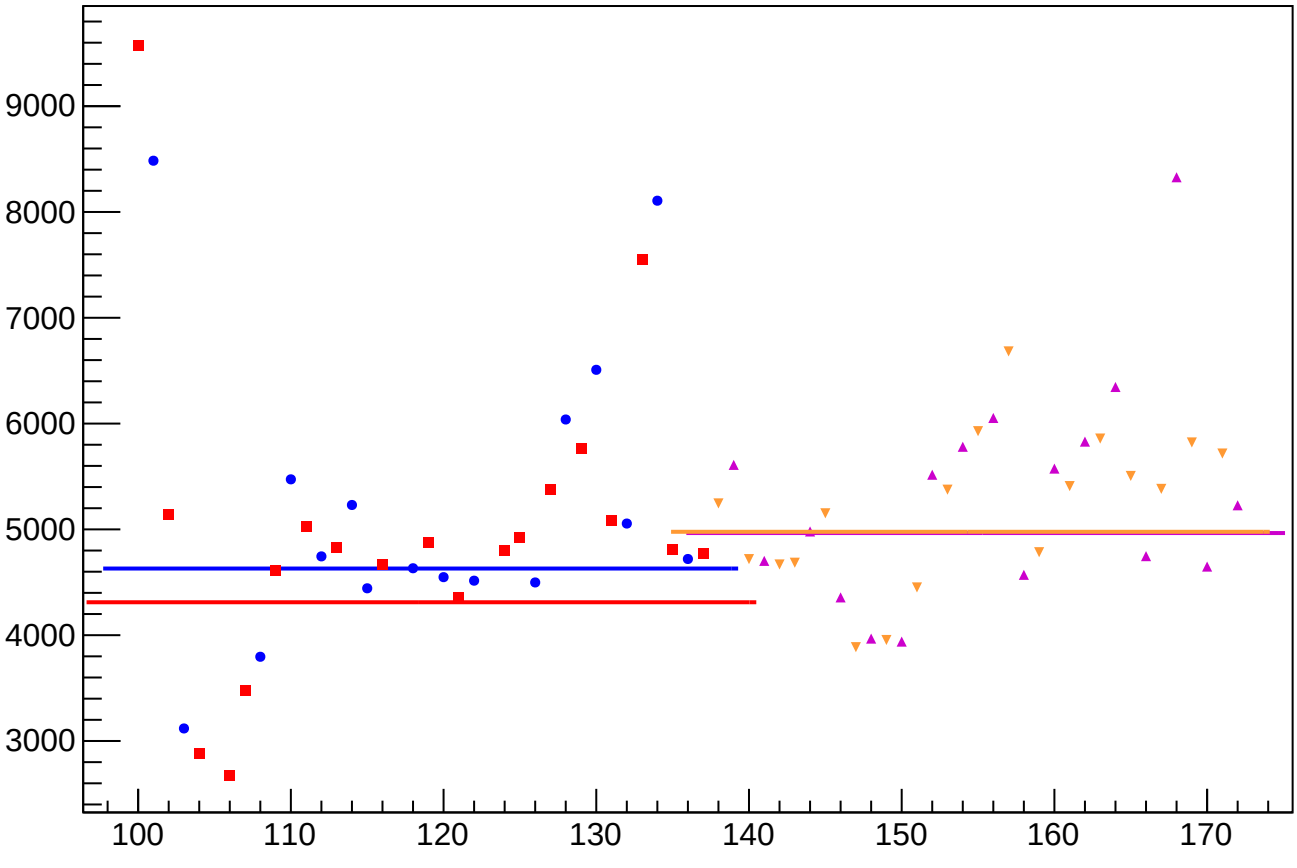
Left: 1352.085+/-950.364 χ^2/NDF: 33.1/34

Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 2782.158+/-1075.322 χ^2/NDF:26.8/32

Out: 1489.965+/-1045.401 χ^2/NDF:35.3/36

All: 2117.833+/-749.565 χ^2/NDF: 62.9/69



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4977.287+/-0.947 χ^2/NDF:574077.1/17

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 4965.388+/-0.954 χ^2/NDF:814802.4/16

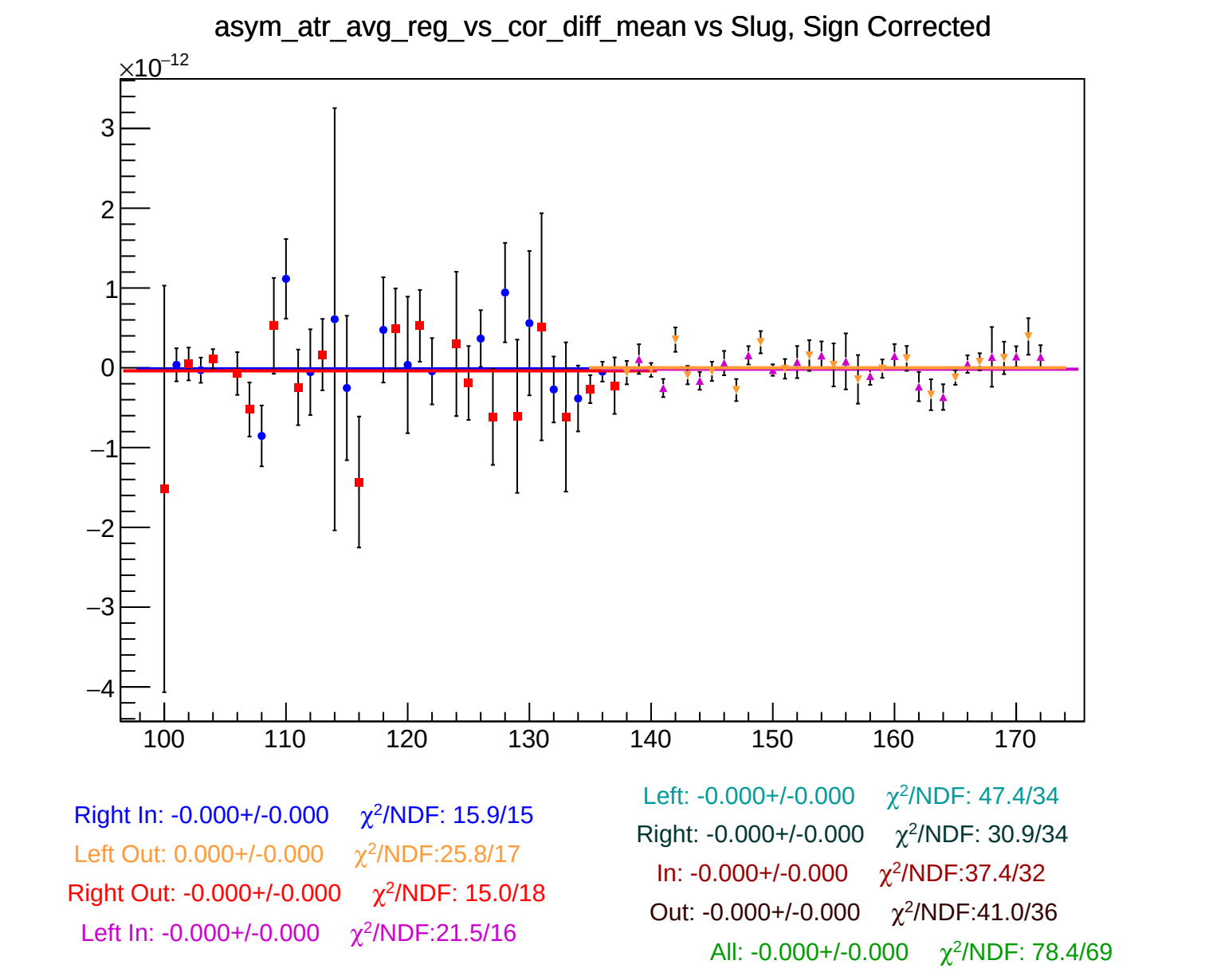
Left: 4971.377+/-0.672 χ^2/NDF: 1388957.9/34

Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

In: 4843.254+/-0.760 χ^2/NDF:1760104.8/32

Out: 4714.104+/-0.737 χ^2/NDF:1674190.1/36

All: 4776.637+/-0.529 χ^2/NDF: 3449175.8/69


asym_atr_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
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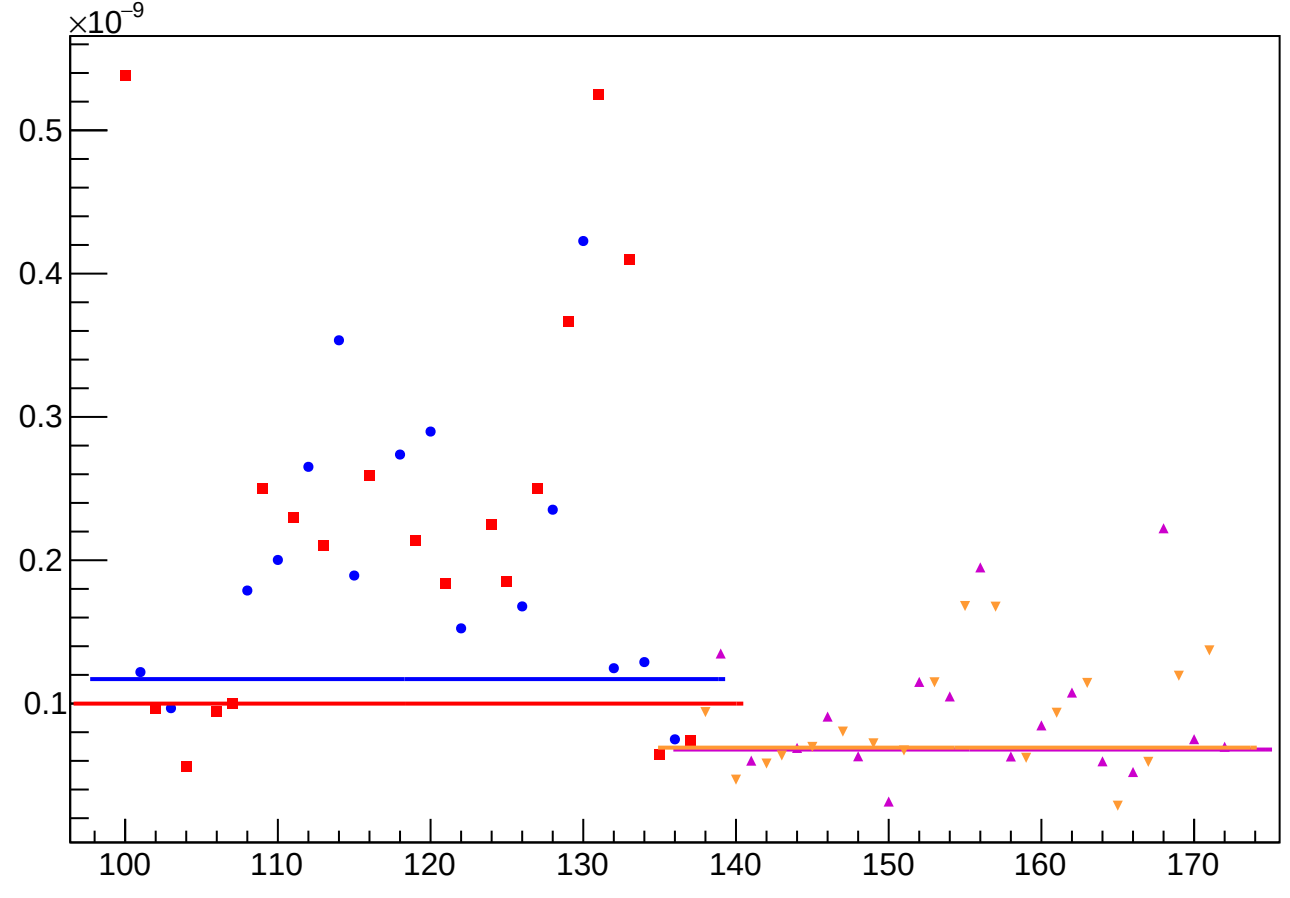
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: 0.000+/-0.000 χ²/NDF:25.8/17
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:21.5/16
Left: -0.000+/-0.000 χ²/NDF: 47.4/34
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:37.4/32
Out: -0.000+/-0.000 χ²/NDF:41.0/36
All: -0.000+/-0.000 χ²/NDF: 78.4/69



Right In: 0.000+/-0.000 χ^2/NDF: 1100462.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1683966.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1844111.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1804707.4/16

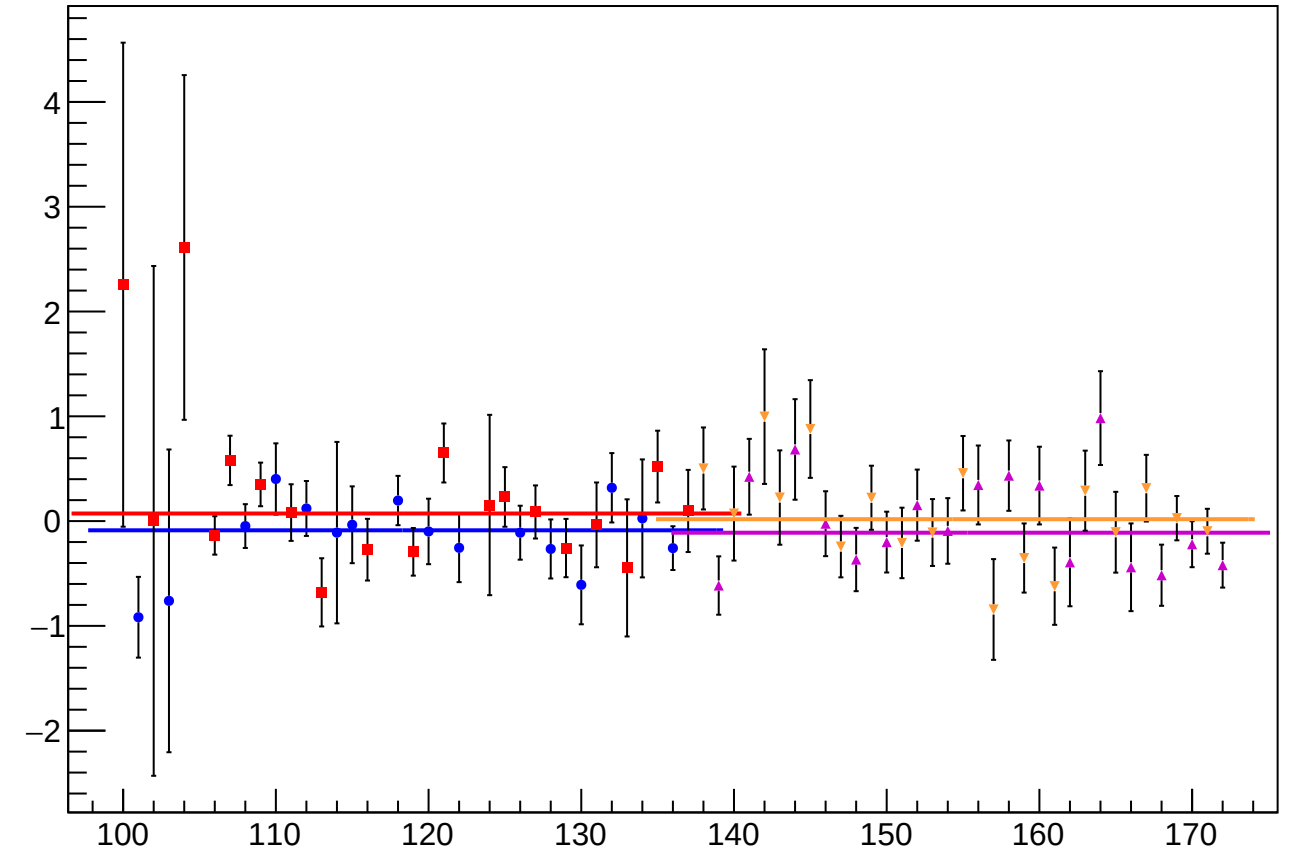
Left: 0.000+/-0.000 χ^2/NDF: 3490401.2/34

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:3827651.9/36

All: 0.000+/-0.000 χ^2/NDF: 7452656.9/69



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.018+/-0.079 χ^2/NDF:20.1/17

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.111+/-0.076 χ^2/NDF:26.6/16

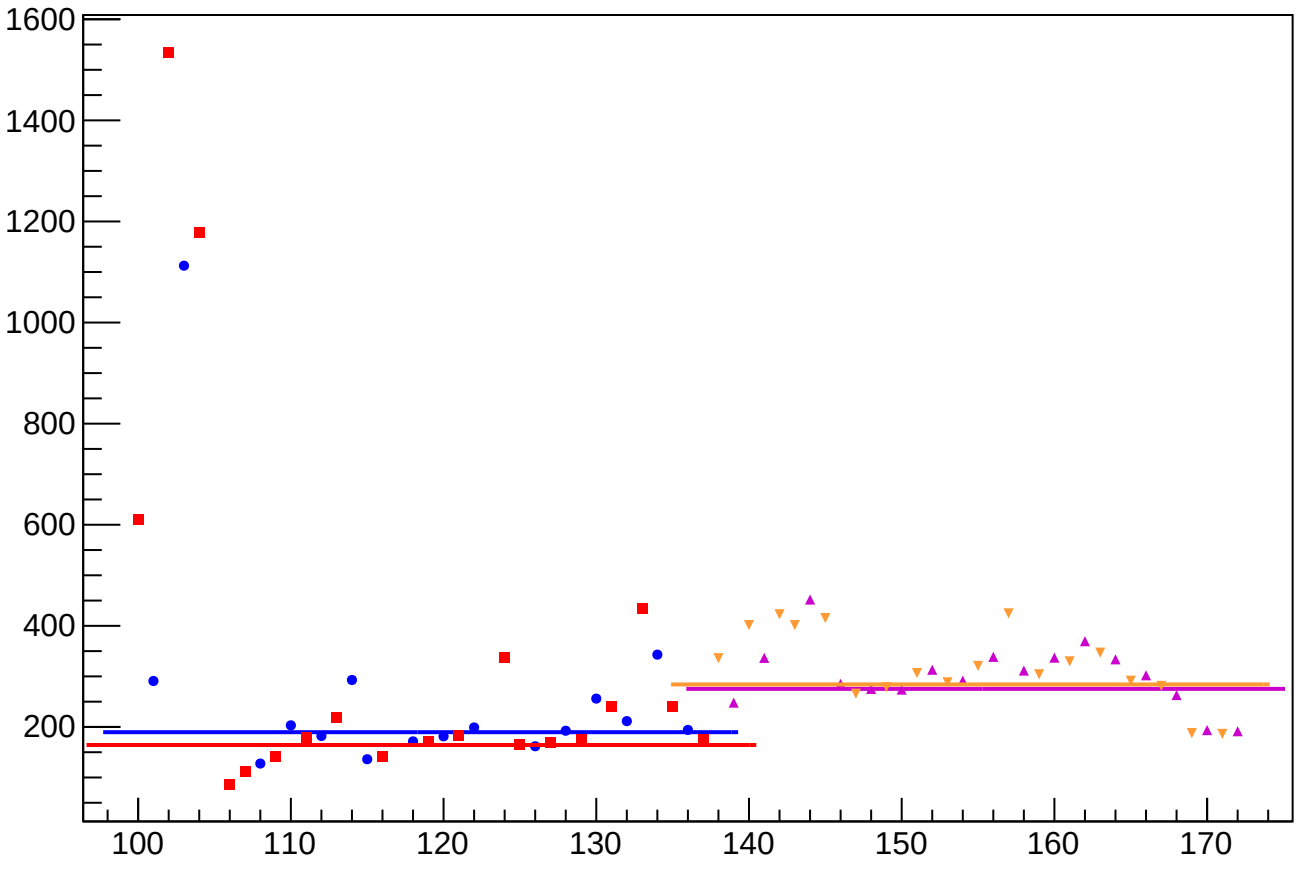
Left: -0.048+/-0.055 χ^2/NDF: 48.1/34

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.099+/-0.054 χ^2/NDF:40.5/32

Out: 0.048+/-0.052 χ^2/NDF:49.0/36

All: -0.023+/-0.038 χ^2/NDF: 93.4/69



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 284.067+/-0.056 χ^2/NDF:1695800.9/17

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 275.333+/-0.054 χ^2/NDF:1245462.4/16

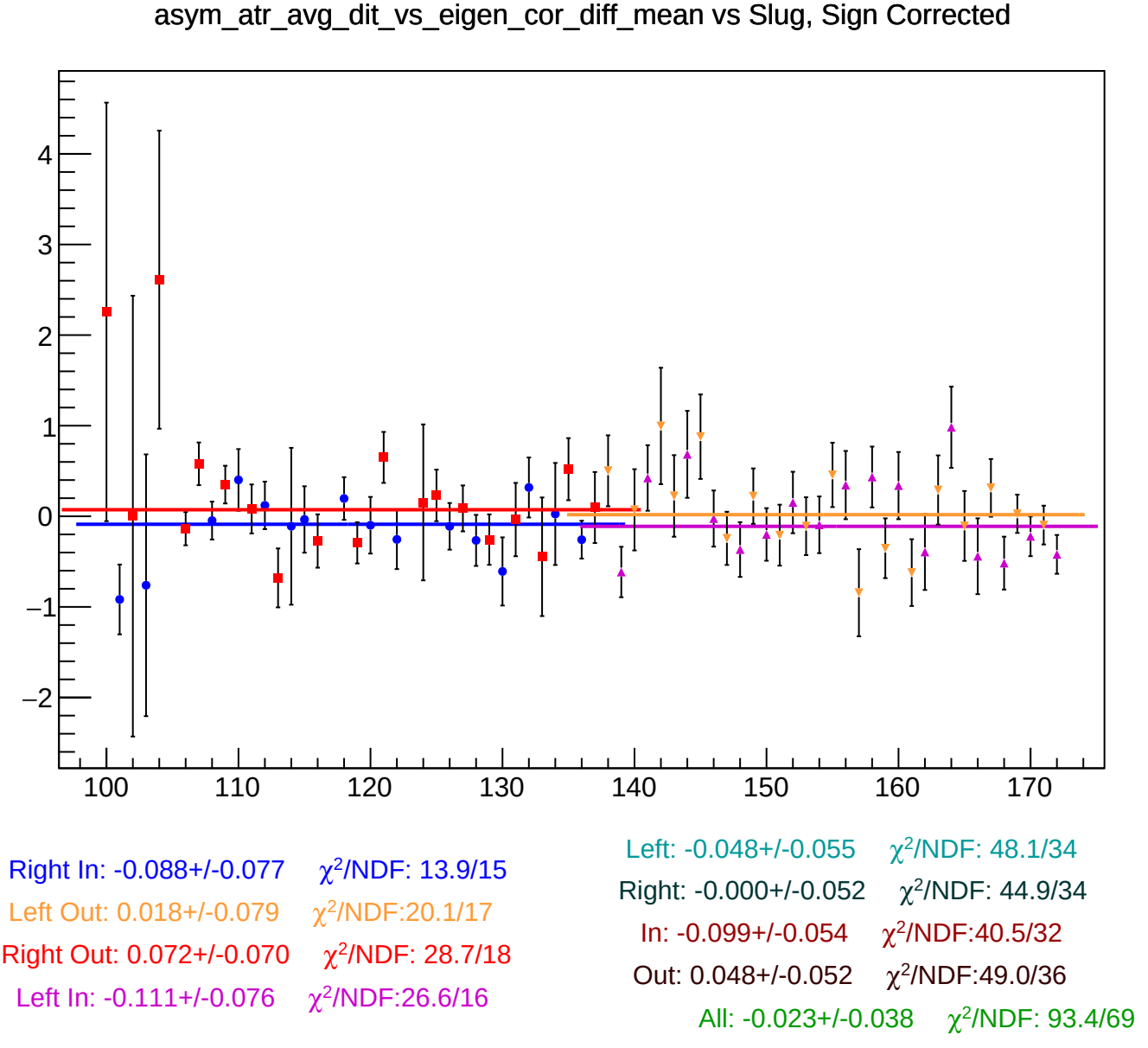
Left: 279.567+/-0.039 χ^2/NDF: 2953905.0/34

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 232.639+/-0.038 χ^2/NDF:3961893.8/32

Out: 217.092+/-0.037 χ^2/NDF:6919927.8/36

All: 224.599+/-0.027 χ^2/NDF: 10966969.9/69


asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
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120
130
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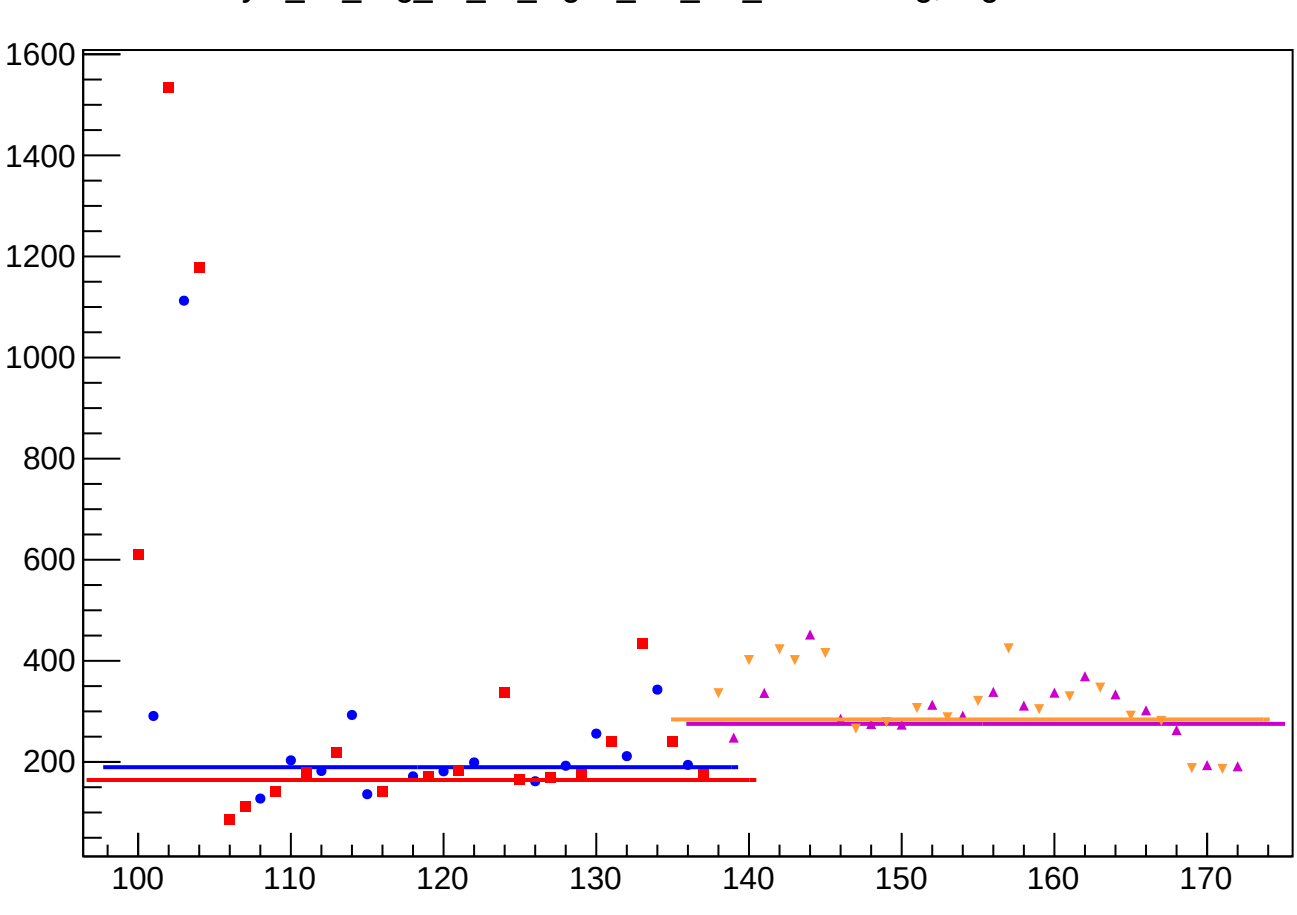
170
Right In: -0.088+/-0.077 χ²/NDF: 13.9/15
Left Out: 0.018+/-0.079 χ²/NDF:20.1/17
Right Out: 0.072+/-0.070 χ²/NDF: 28.7/18
Left In: -0.111+/-0.076 χ²/NDF:26.6/16
Left: -0.048+/-0.055 χ²/NDF: 48.1/34
Right: -0.000+/-0.052 χ²/NDF: 44.9/34
In: -0.099+/-0.054 χ²/NDF:40.5/32
Out: 0.048+/-0.052 χ²/NDF:49.0/36
All: -0.023+/-0.038 χ²/NDF: 93.4/69



Right In: 189.628+/-0.054 χ^2/NDF: 1465476.9/15

Left Out: 284.067+/-0.056 χ^2/NDF:1695800.9/17

Right Out: 164.287+/-0.050 χ^2/NDF: 2643490.2/18

Left In: 275.333+/-0.054 χ^2/NDF:1245462.4/16

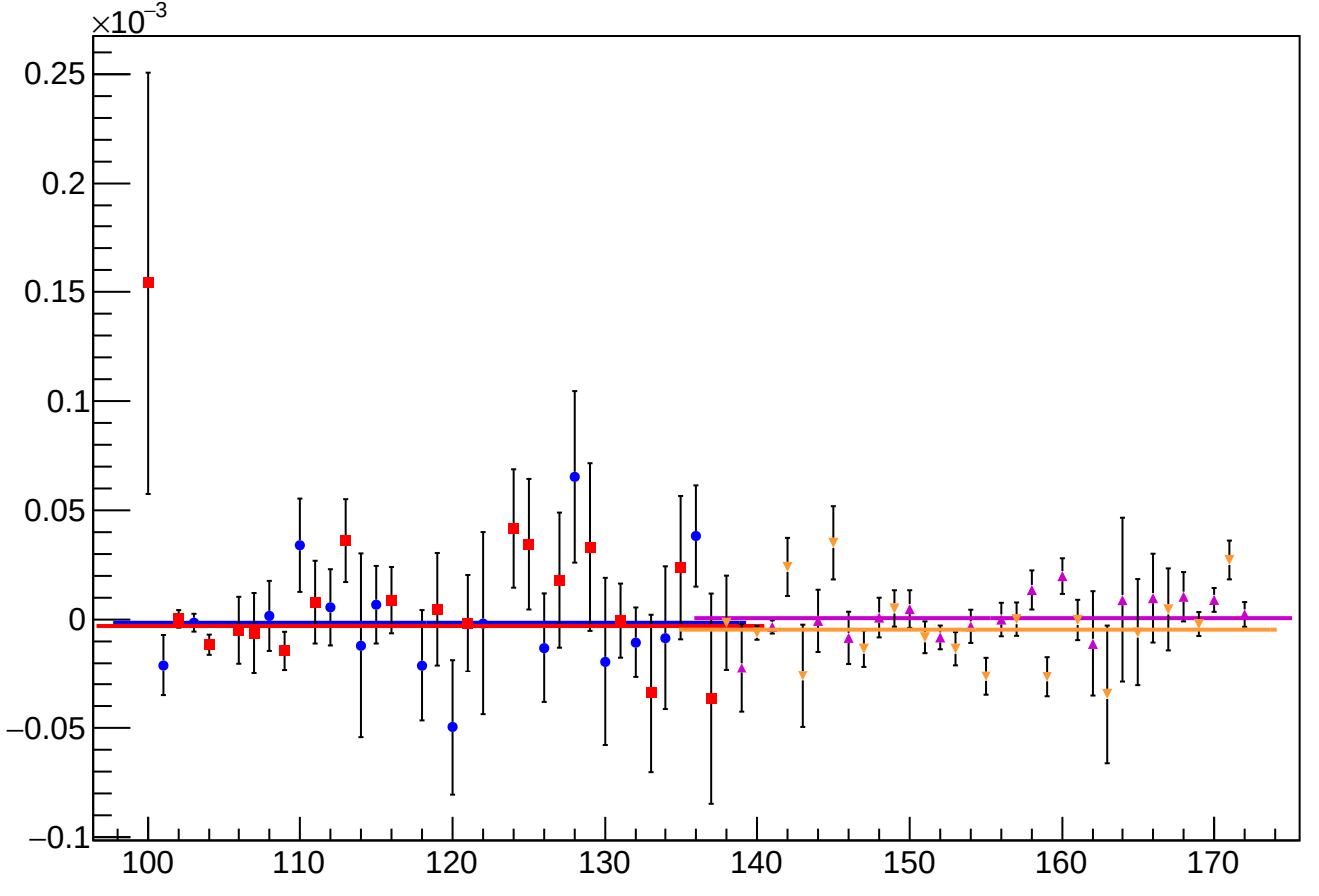
Left: 279.567+/-0.039 χ^2/NDF: 2953905.0/34

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 232.639+/-0.038 χ^2/NDF:3961893.8/32

Out: 217.092+/-0.037 χ^2/NDF:6919927.8/36

All: 224.599+/-0.027 χ^2/NDF: 10966969.9/69



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.0/17

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:18.0/16

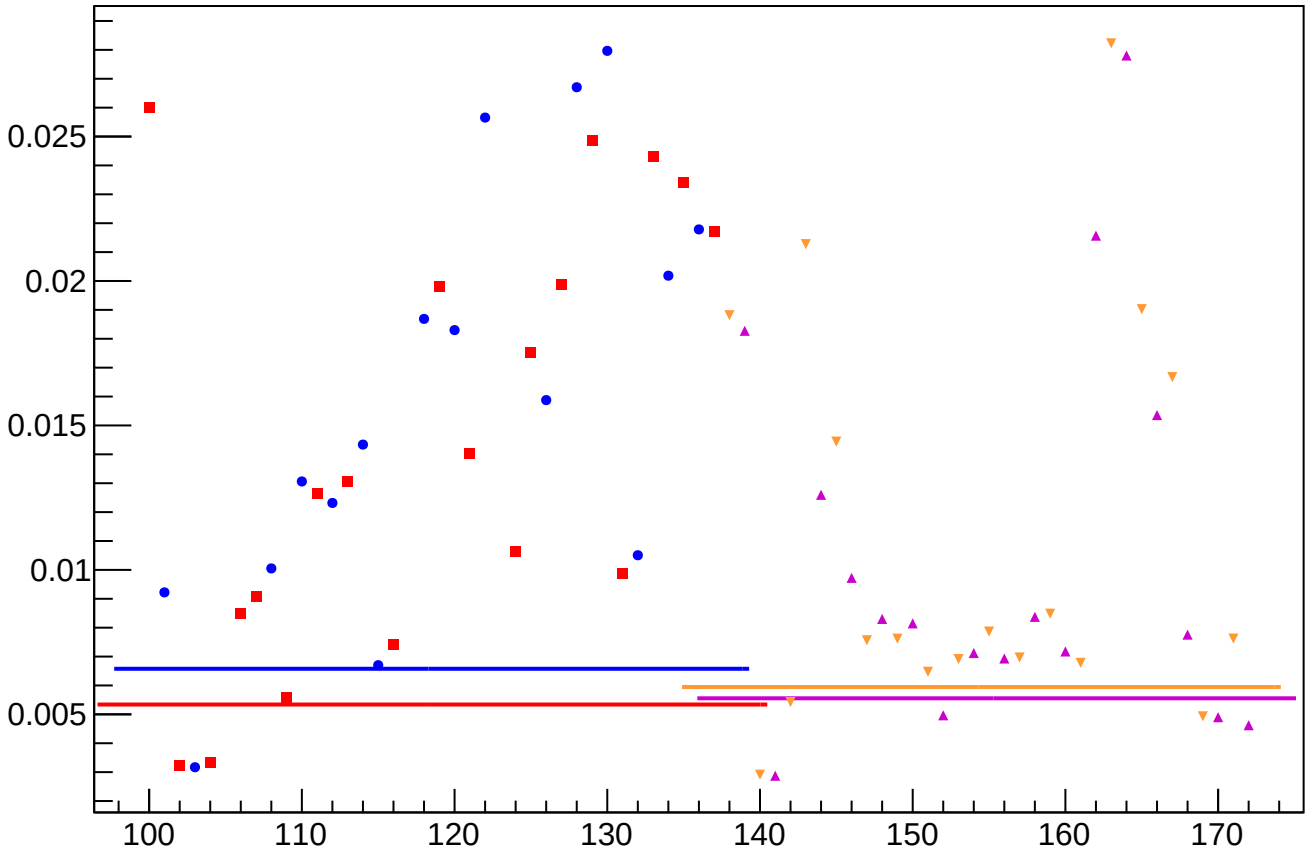
Left: -0.000+/-0.000 χ^2/NDF: 64.2/34

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:63.6/36

All: -0.000+/-0.000 χ^2/NDF: 100.5/69



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:6752431.7/17

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.006+/-0.000 χ^2/NDF:6074414.1/16

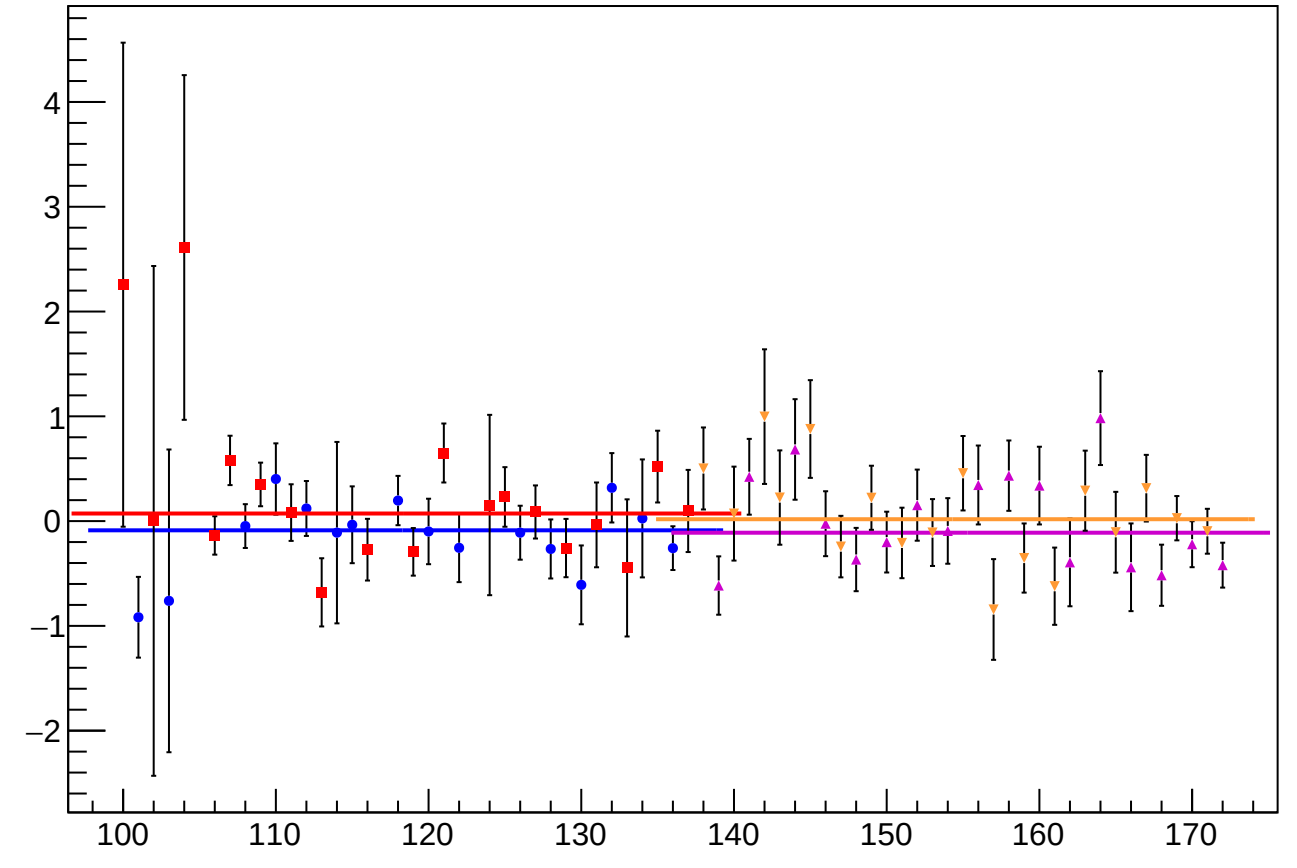
Left: 0.006+/-0.000 χ^2/NDF: 12872706.4/34

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:12511012.7/36

All: 0.006+/-0.000 χ^2/NDF: 24662550.7/69



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.018+/-0.079 χ^2/NDF:20.1/17

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: -0.048+/-0.055 χ^2/NDF: 48.1/34

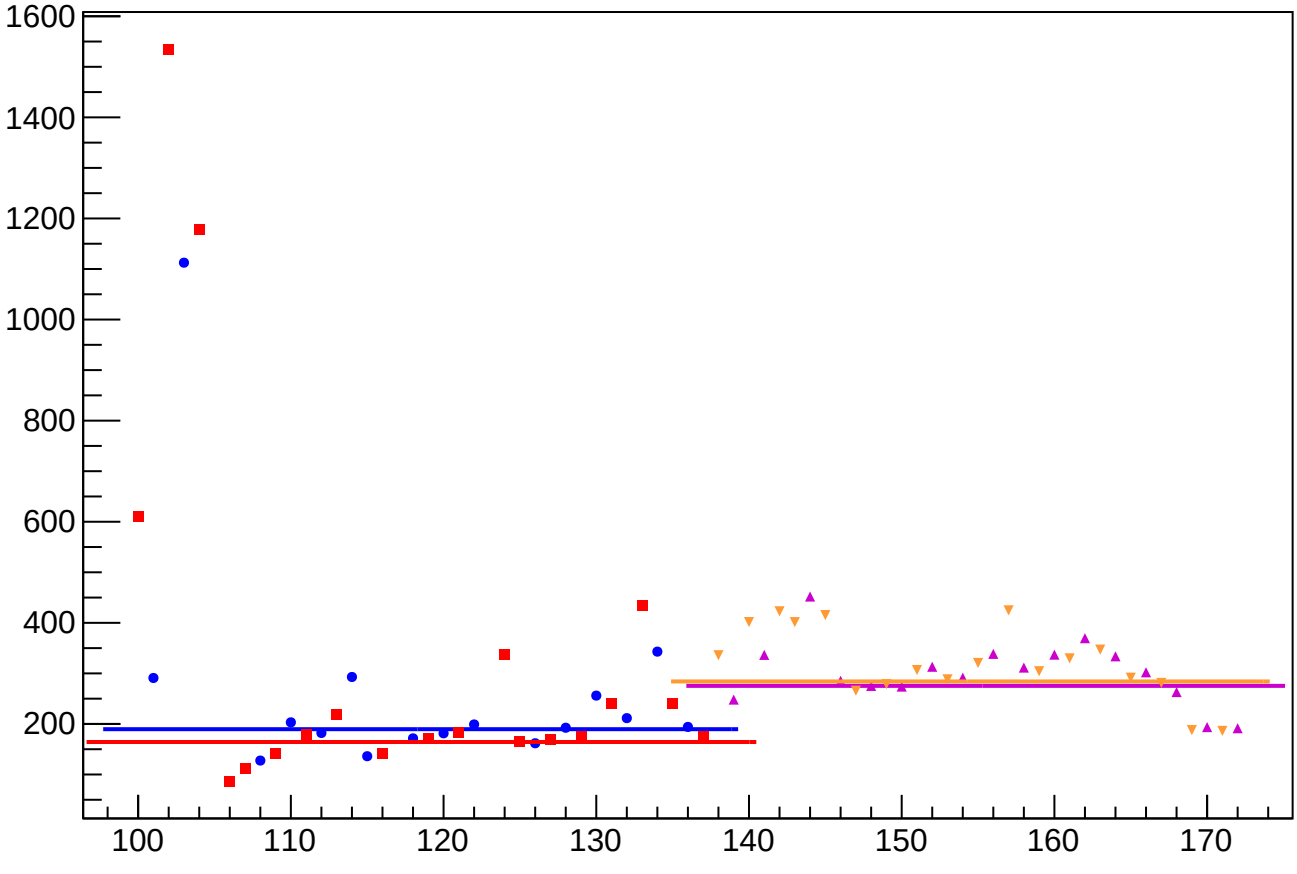
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.099+/-0.054 χ^2/NDF:40.5/32

Out: 0.048+/-0.052 χ^2/NDF:49.0/36

All: -0.023+/-0.038 χ^2/NDF: 93.4/69

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 284.069+/-0.056 χ^2/NDF:1695890.1/17

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 275.337+/-0.054 χ^2/NDF:1245500.8/16

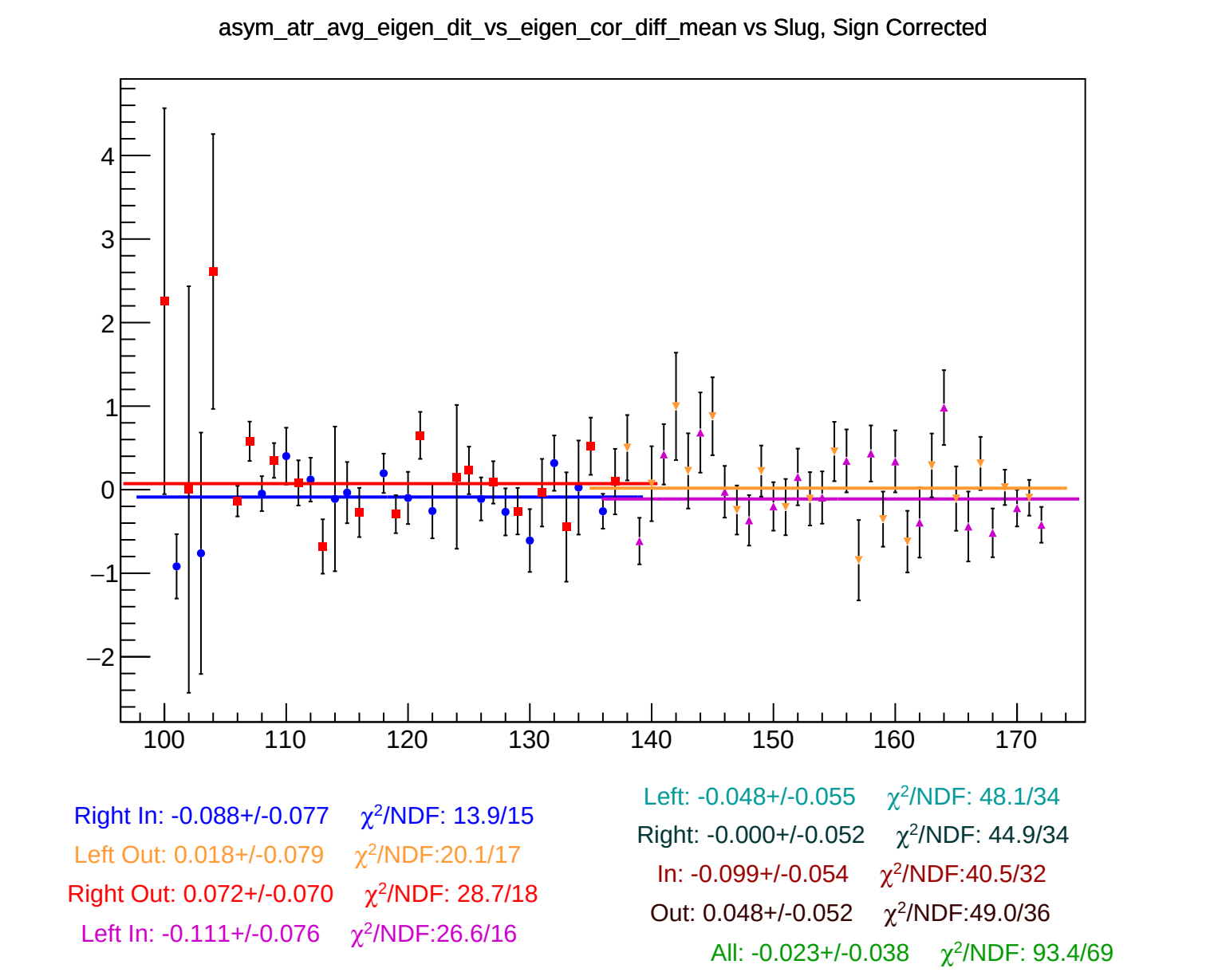
Left: 279.570+/-0.039 χ^2/NDF: 2954030.3/34

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

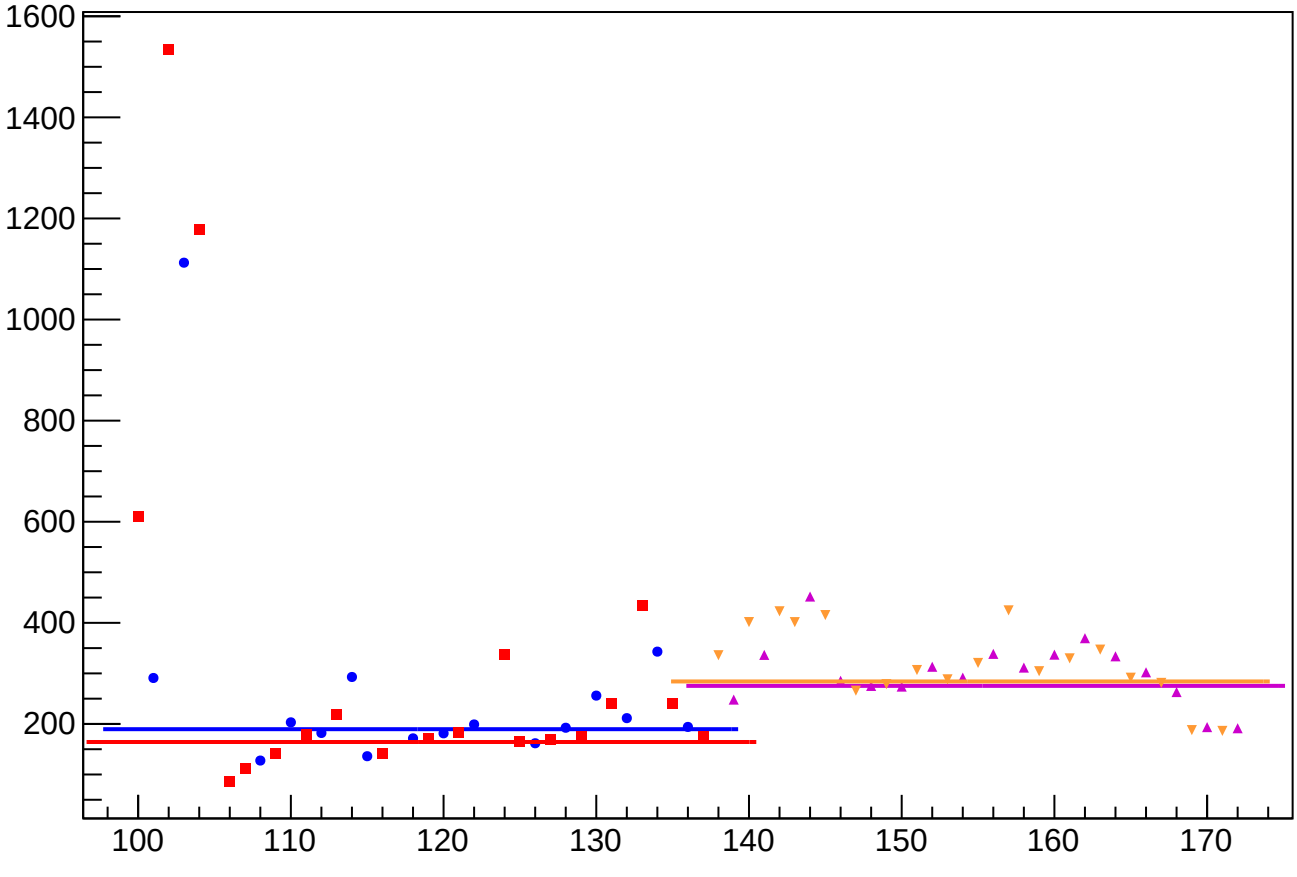
In: 232.639+/-0.038 χ^2/NDF:3962023.0/32

Out: 217.092+/-0.037 χ^2/NDF:6920112.8/36

All: 224.599+/-0.027 χ^2/NDF: 10967292.5/69


asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: -0.088+/-0.077 χ²/NDF: 13.9/15
Left Out: 0.018+/-0.079 χ²/NDF:20.1/17
Right Out: 0.072+/-0.070 χ²/NDF: 28.7/18
Left In: -0.111+/-0.076 χ²/NDF:26.6/16
Left: -0.048+/-0.055 χ²/NDF: 48.1/34
Right: -0.000+/-0.052 χ²/NDF: 44.9/34
In: -0.099+/-0.054 χ²/NDF:40.5/32
Out: 0.048+/-0.052 χ²/NDF:49.0/36
All: -0.023+/-0.038 χ²/NDF: 93.4/69

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: 284.069+/-0.056 χ^2/NDF:1695890.1/17

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 275.337+/-0.054 χ^2/NDF:1245500.8/16

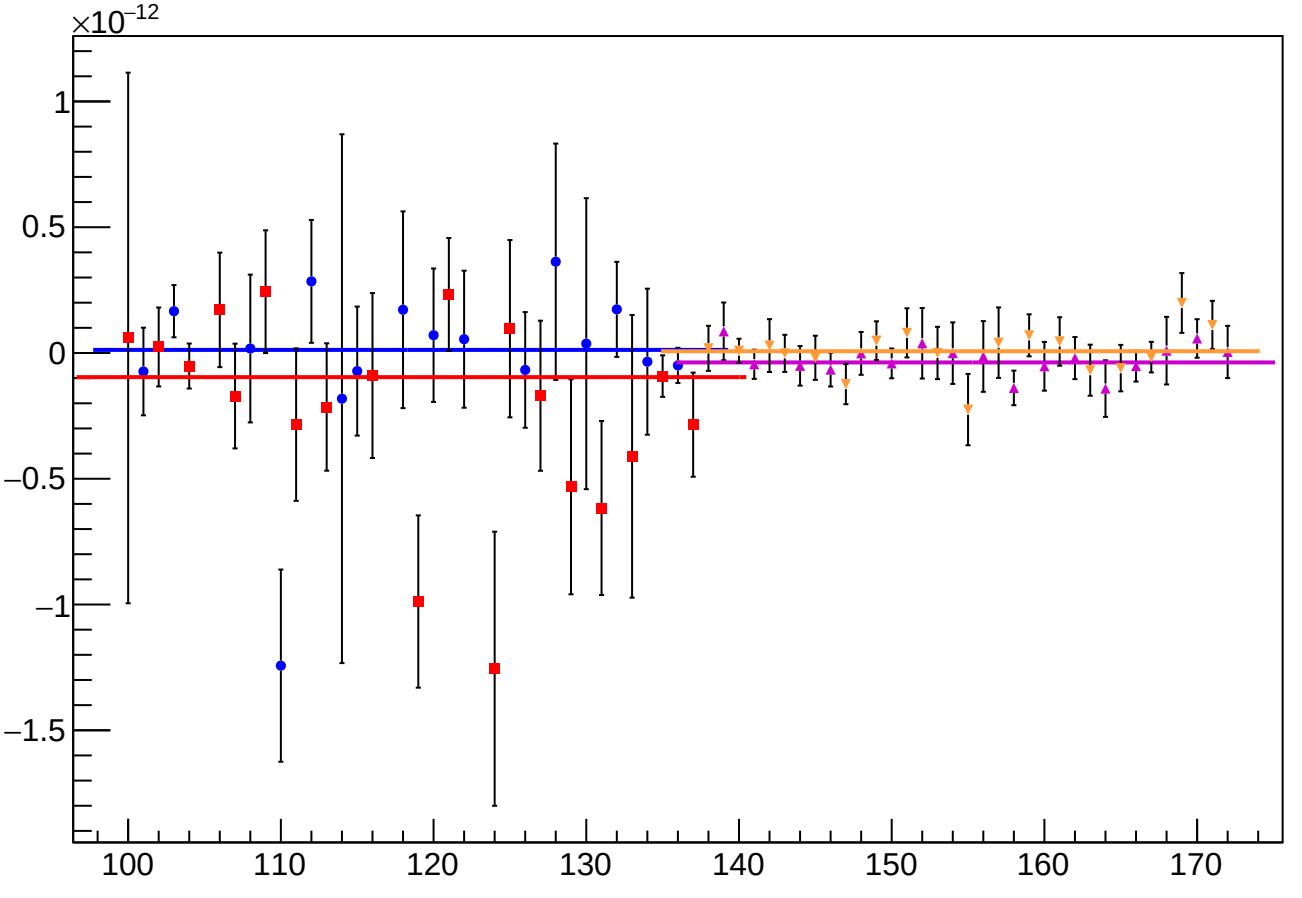
Left: 279.570+/-0.039 χ^2/NDF: 2954030.3/34

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 232.639+/-0.038 χ^2/NDF:3962023.0/32

Out: 217.092+/-0.037 χ^2/NDF:6920112.8/36

All: 224.599+/-0.027 χ^2/NDF: 10967292.5/69



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/17

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:7.0/16

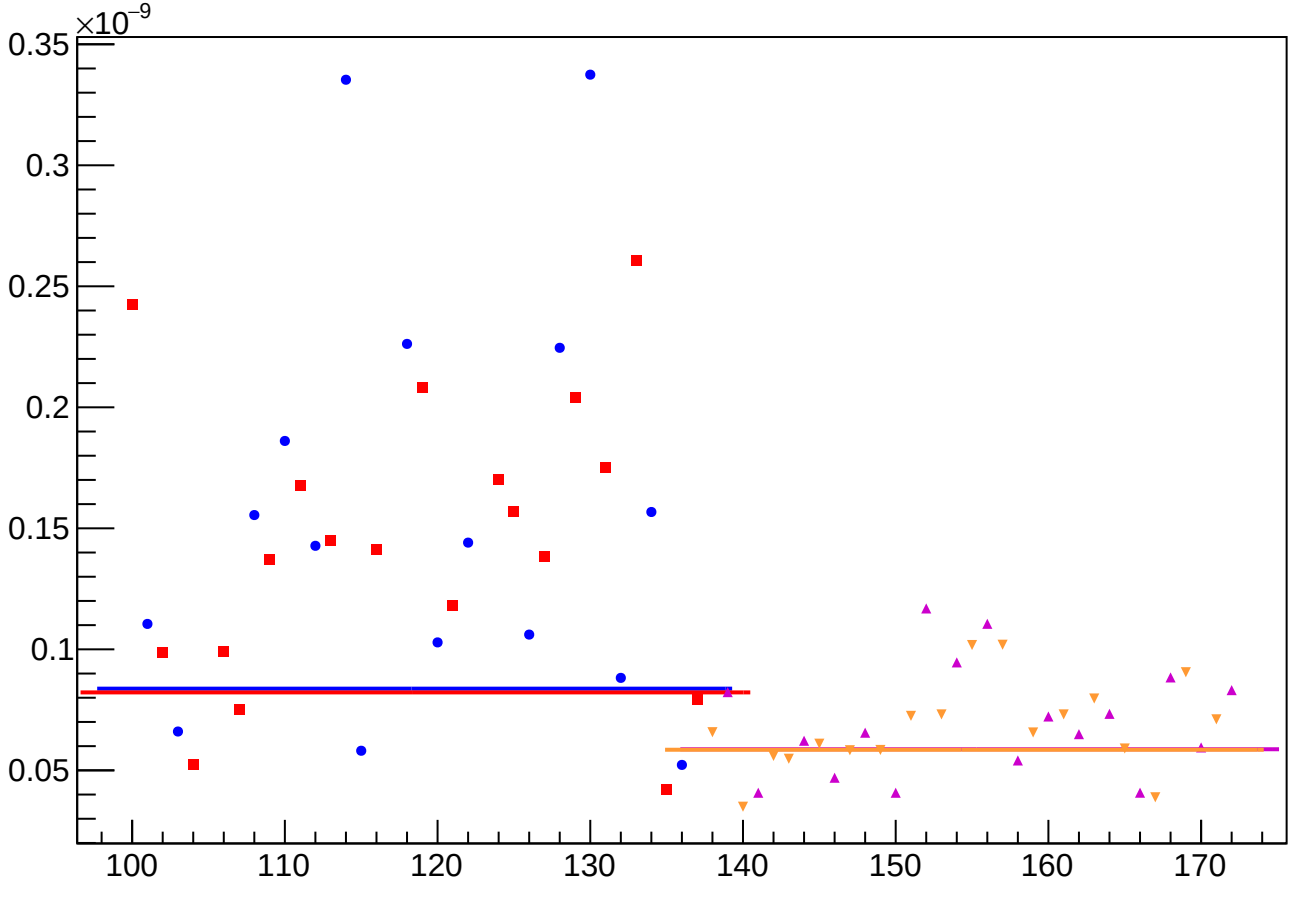
Left: -0.000+/-0.000 χ^2/NDF: 21.6/34

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:39.8/36

All: -0.000+/-0.000 χ^2/NDF: 65.4/69



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1509474.0/17

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: 3308845.0/34

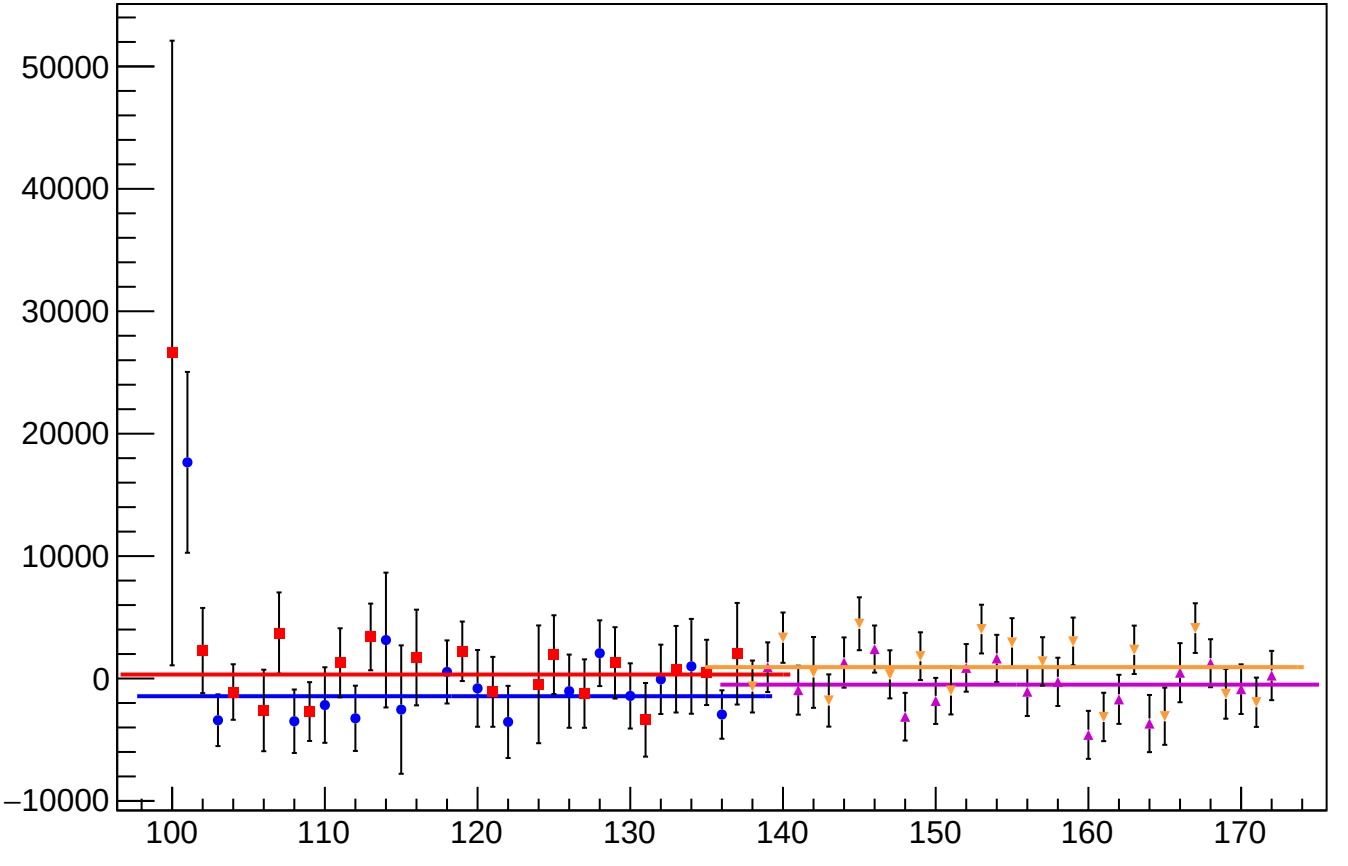
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:4413429.1/32

Out: 0.000+/-0.000 χ^2/NDF:4249111.2/36

All: 0.000+/-0.000 χ^2/NDF: 8662932.3/69

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 930.808+/-485.198 χ^2/NDF:25.6/17

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: 219.144+/-344.001 χ^2/NDF: 45.3/34

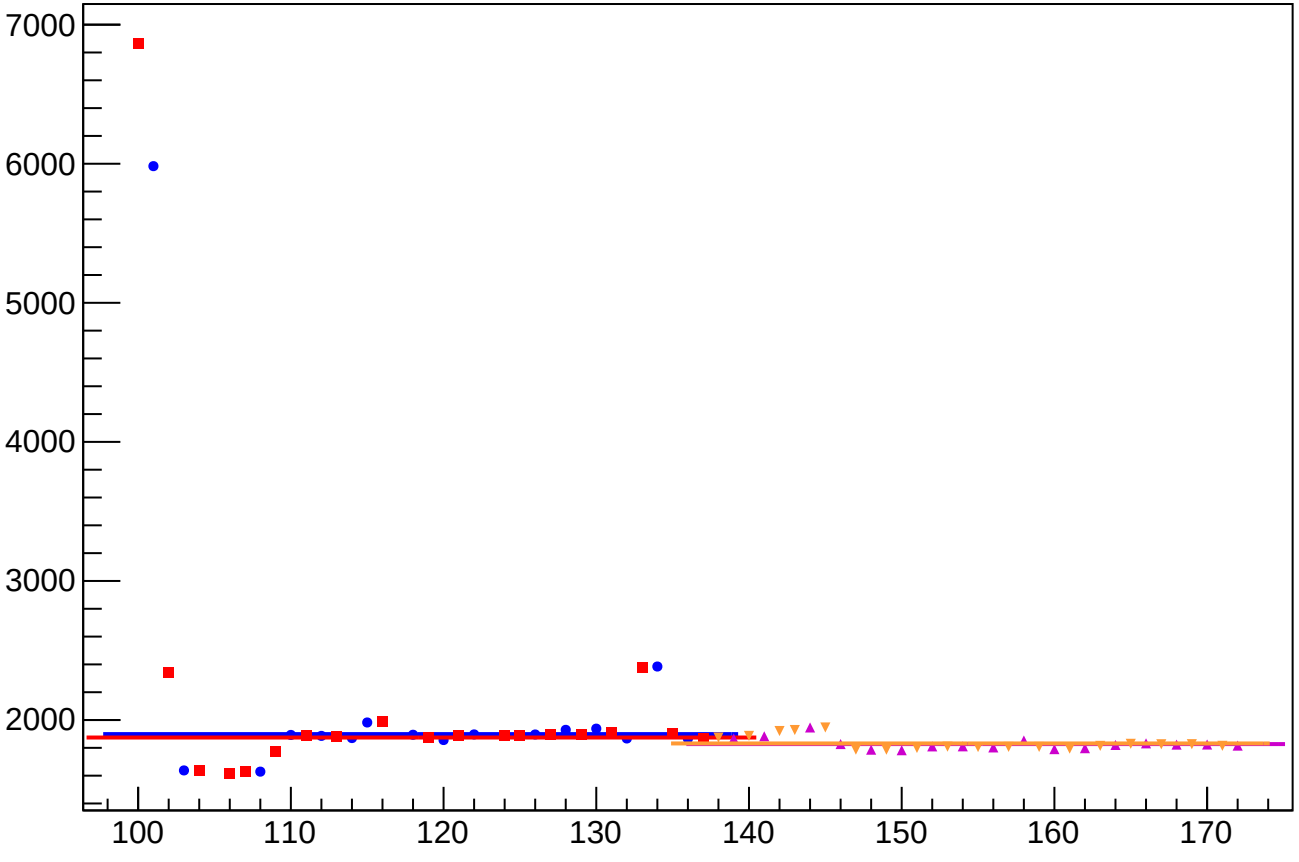
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -796.115+/-404.392 χ^2/NDF:30.1/32

Out: 735.501+/-399.259 χ^2/NDF:36.0/36

All: -20.523+/-284.116 χ^2/NDF: 73.4/69

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1831.621+/-0.343 χ^2/NDF:18811.2/17

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1827.034+/-0.345 χ^2/NDF:13223.1/16

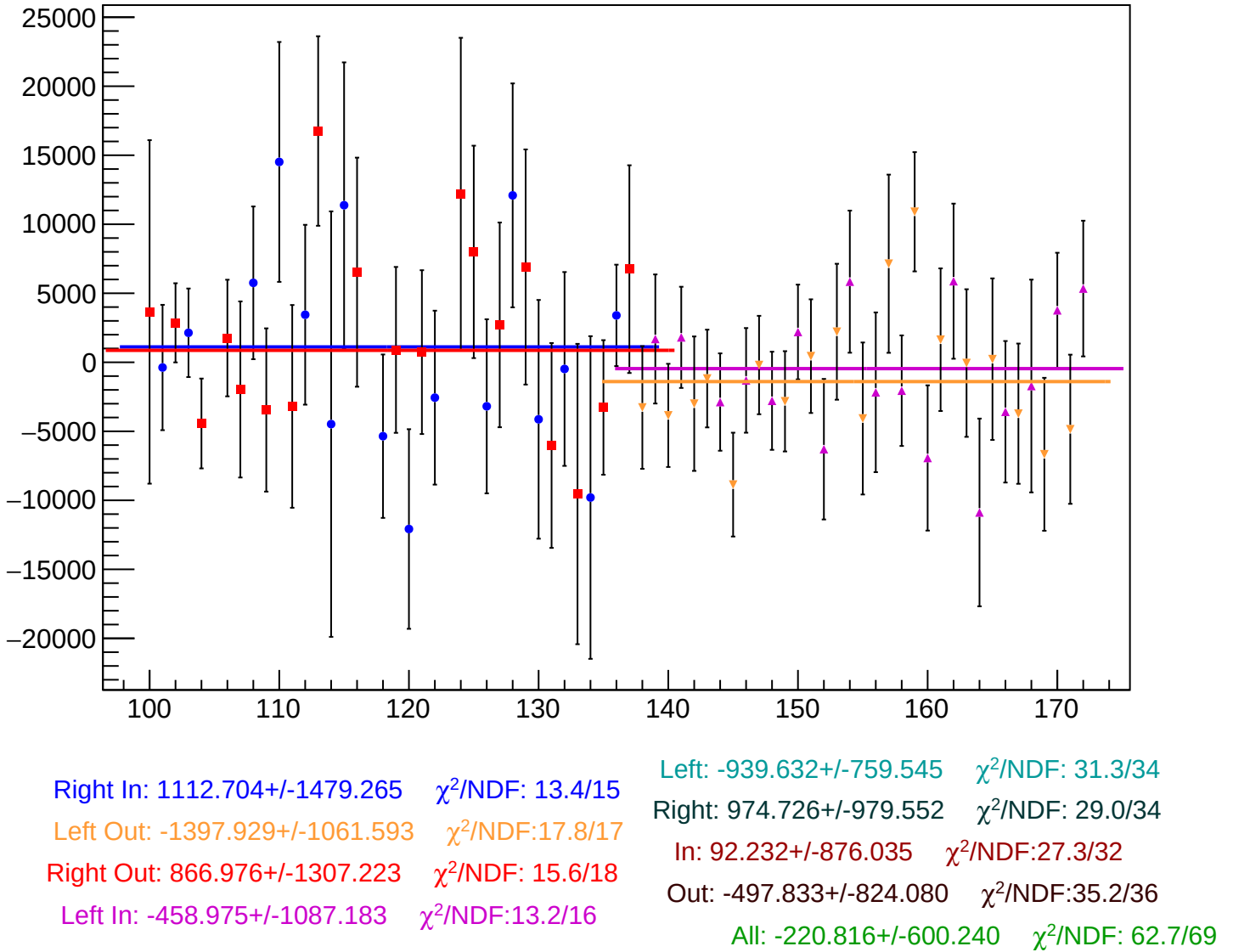
Left: 1829.340+/-0.243 χ^2/NDF: 32123.3/34

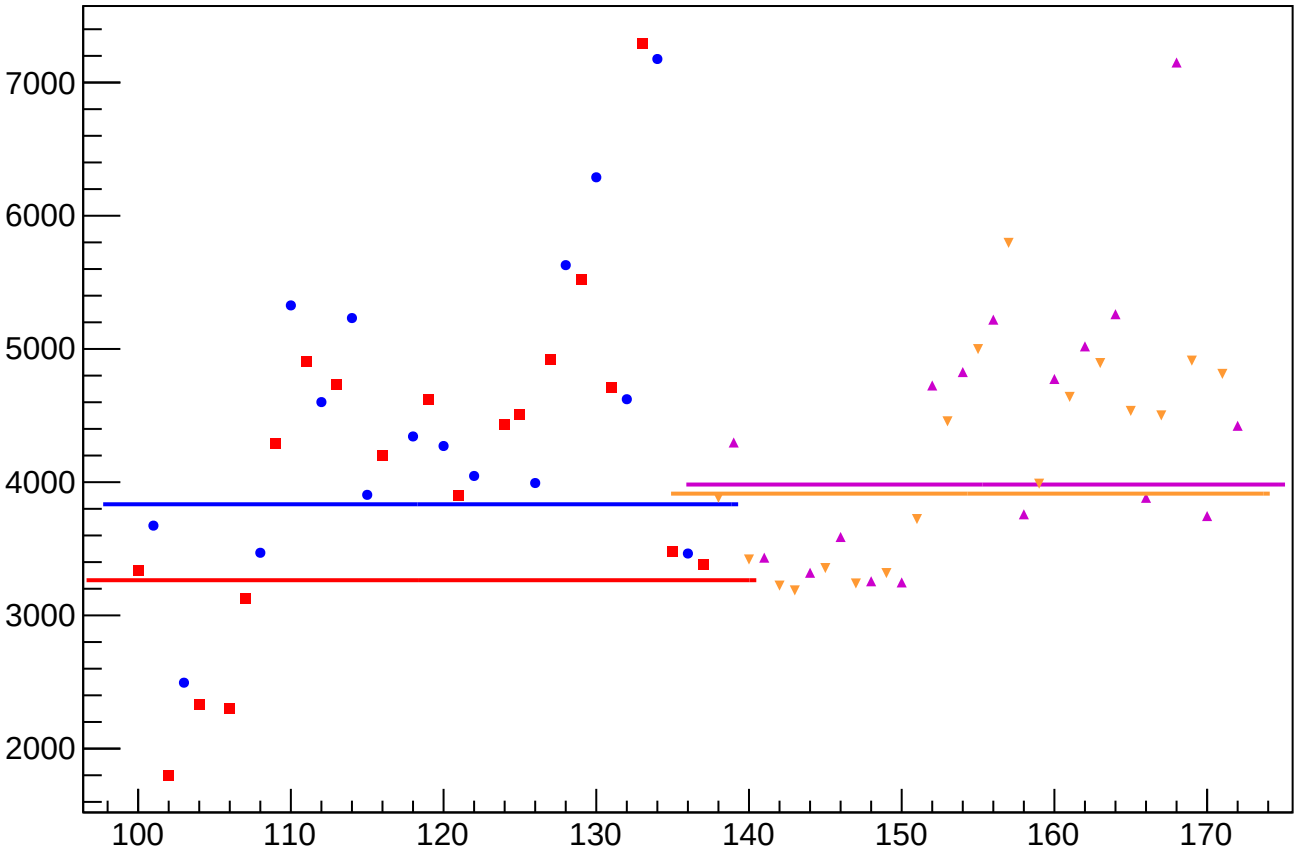
Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1849.485+/-0.286 χ^2/NDF:724285.3/32

Out: 1845.448+/-0.282 χ^2/NDF:231476.7/36

All: 1847.439+/-0.201 χ^2/NDF: 955863.0/69


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: -1397.929+/-1061.593 χ²/NDF:17.8/17
Right Out: 866.976+/-1307.223 χ²/NDF: 15.6/18
Left In: -458.975+/-1087.183 χ²/NDF:13.2/16
Left: -939.632+/-759.545 χ²/NDF: 31.3/34
Right: 974.726+/-979.552 χ²/NDF: 29.0/34
In: 92.232+/-876.035 χ²/NDF:27.3/32
Out: -497.833+/-824.080 χ²/NDF:35.2/36
All: -220.816+/-600.240 χ²/NDF: 62.7/69



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3913.968+/-0.751 χ^2/NDF:882229.5/17

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: 3947.328+/-0.537 χ^2/NDF: 1947074.1/34

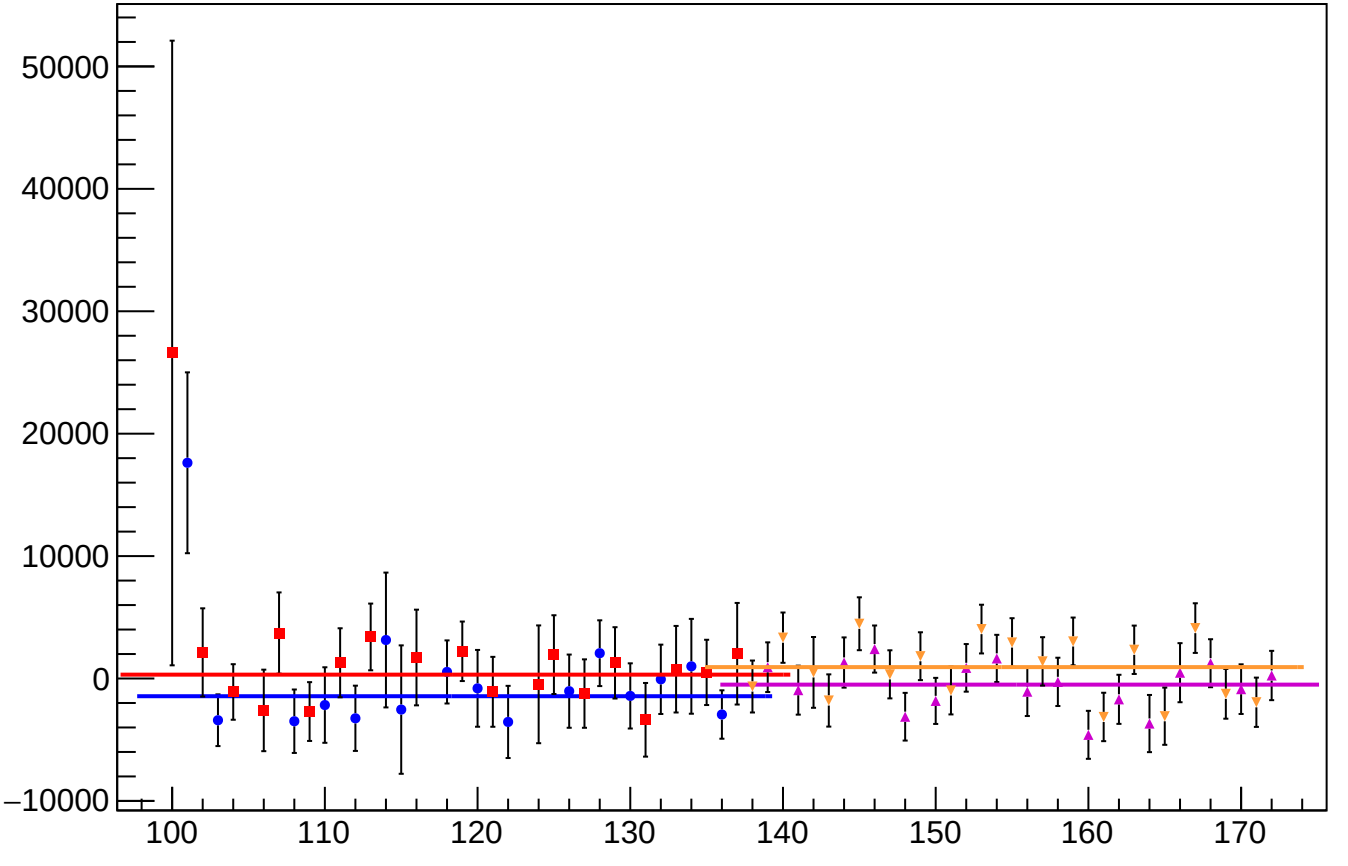
Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3930.357+/-0.619 χ^2/NDF:2030599.2/32

Out: 3655.708+/-0.583 χ^2/NDF:3044314.9/36

All: 3784.647+/-0.424 χ^2/NDF: 5179207.2/69

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 930.915+/-485.198 χ^2/NDF:25.6/17

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: 219.237+/-344.001 χ^2/NDF: 45.3/34

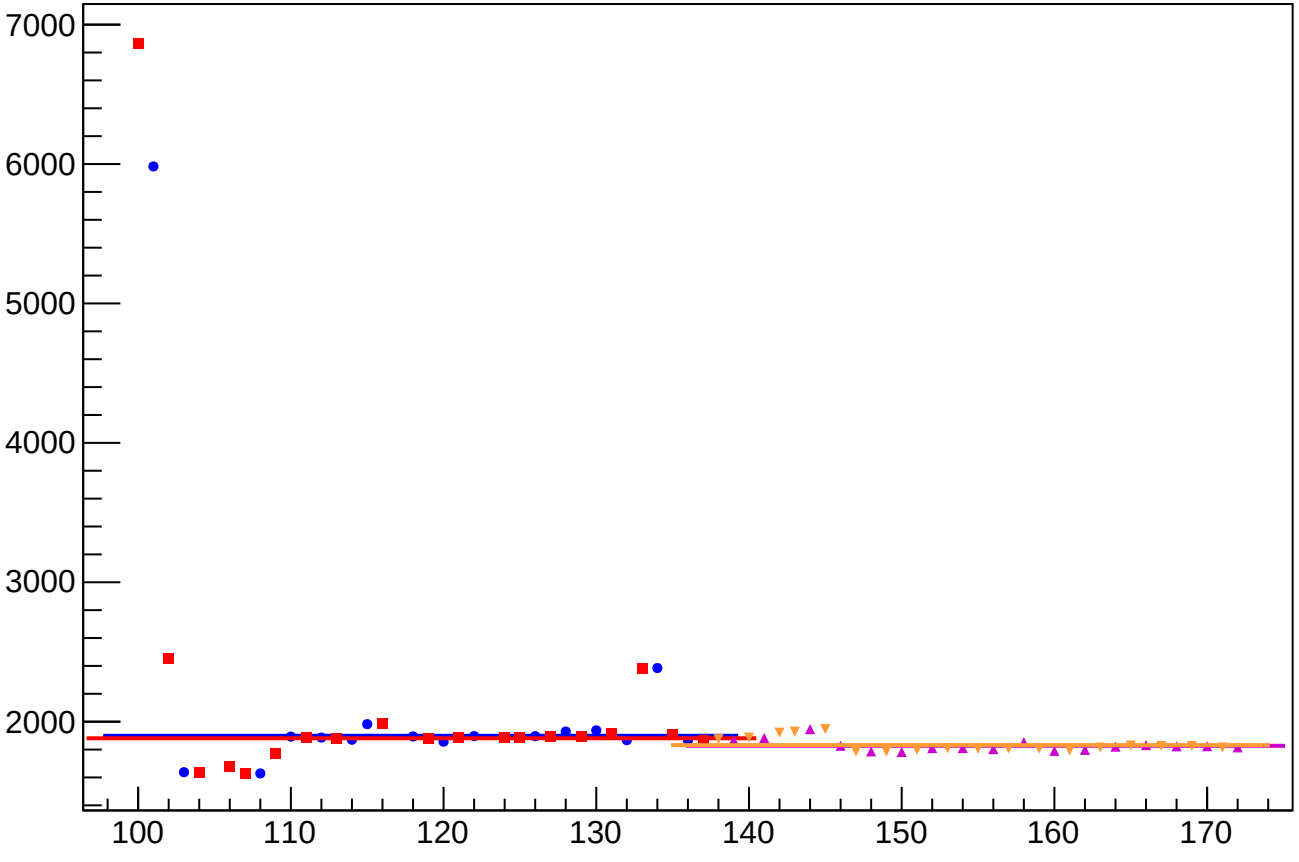
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -796.181+/-404.392 χ^2/NDF:30.1/32

Out: 732.564+/-399.432 χ^2/NDF:36.0/36

All: -22.376+/-284.179 χ^2/NDF: 73.3/69

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1831.621+/-0.343 χ^2/NDF:18811.2/17

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1827.034+/-0.345 χ^2/NDF:13223.1/16

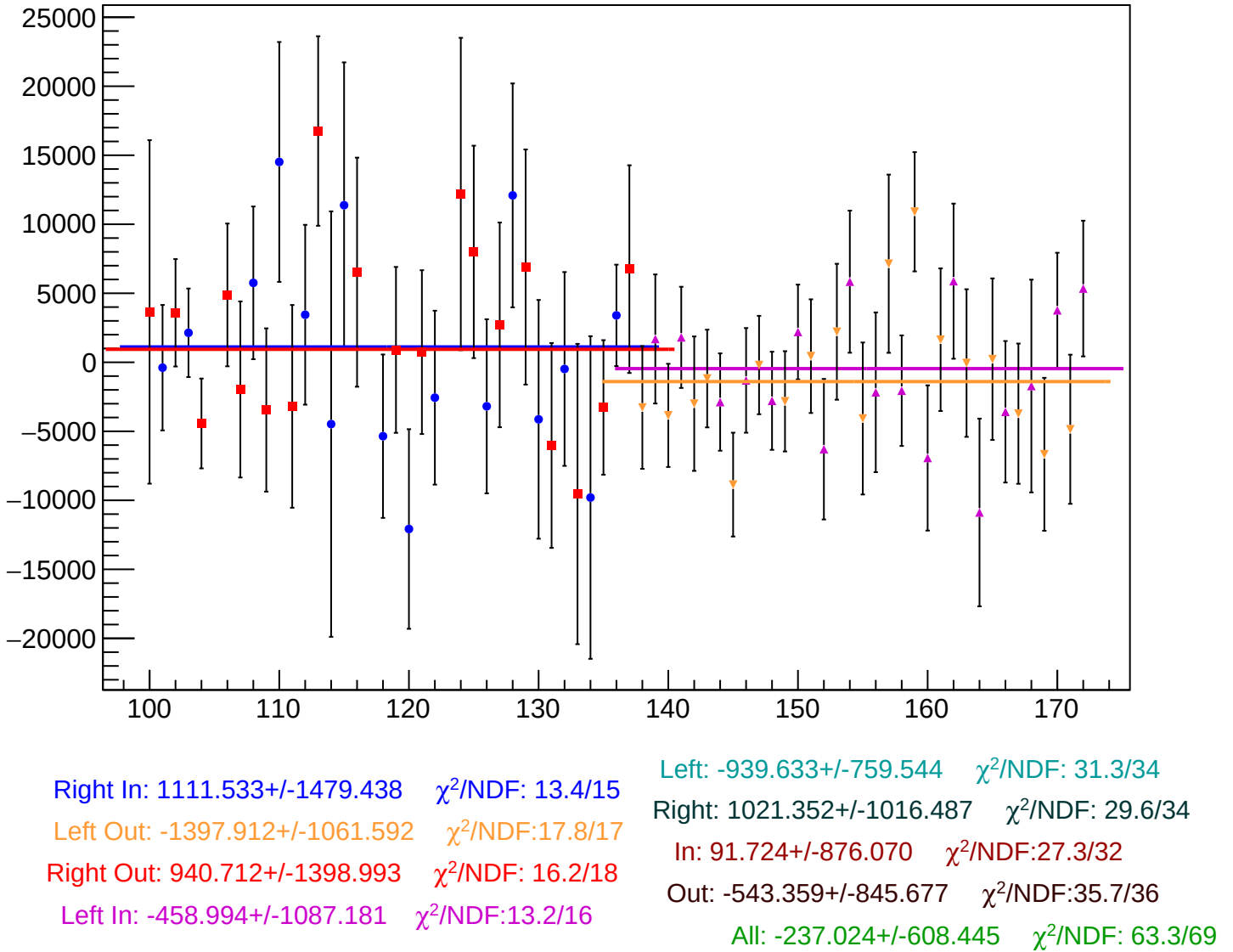
Left: 1829.340+/-0.243 χ^2/NDF: 32123.3/34

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1849.485+/-0.286 χ^2/NDF:724285.4/32

Out: 1847.571+/-0.282 χ^2/NDF:242067.4/36

All: 1848.515+/-0.201 χ^2/NDF: 966375.5/69


asym_atr_dd_cor_correction_mean vs Slug, Sign Corrected
25000
20000
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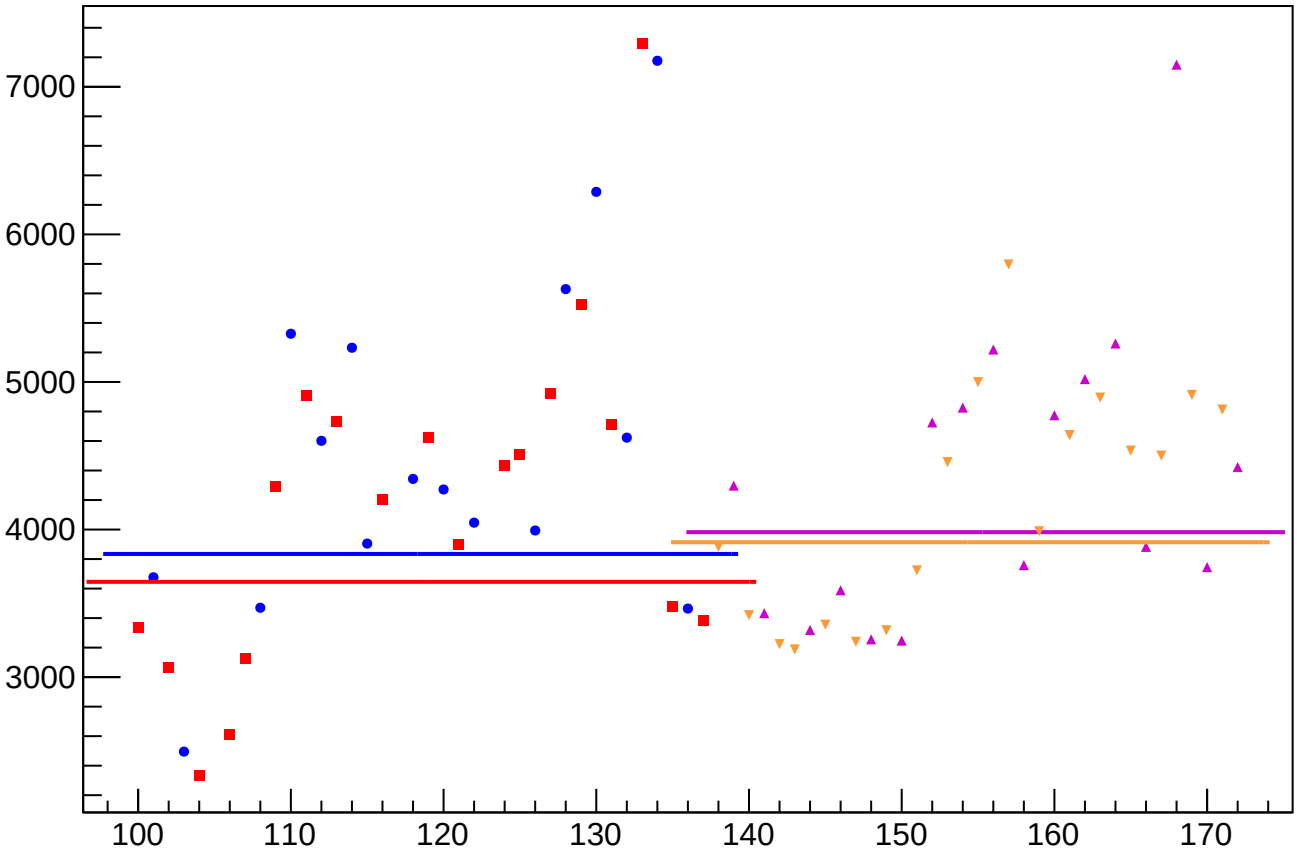
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 1111.533+/-1479.438 χ²/NDF: 13.4/15
Left Out: -1397.912+/-1061.592 χ²/NDF:17.8/17
Right Out: 940.712+/-1398.993 χ²/NDF: 16.2/18
Left In: -458.994+/-1087.181 χ²/NDF:13.2/16
Left: -939.633+/-759.544 χ²/NDF: 31.3/34
Right: 1021.352+/-1016.487 χ²/NDF: 29.6/34
In: 91.724+/-876.070 χ²/NDF:27.3/32
Out: -543.359+/-845.677 χ²/NDF:35.7/36
All: -237.024+/-608.445 χ²/NDF: 63.3/69



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3913.964+/-0.751 χ^2/NDF:882221.8/17

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 3982.309+/-0.769 χ^2/NDF:1060811.7/16

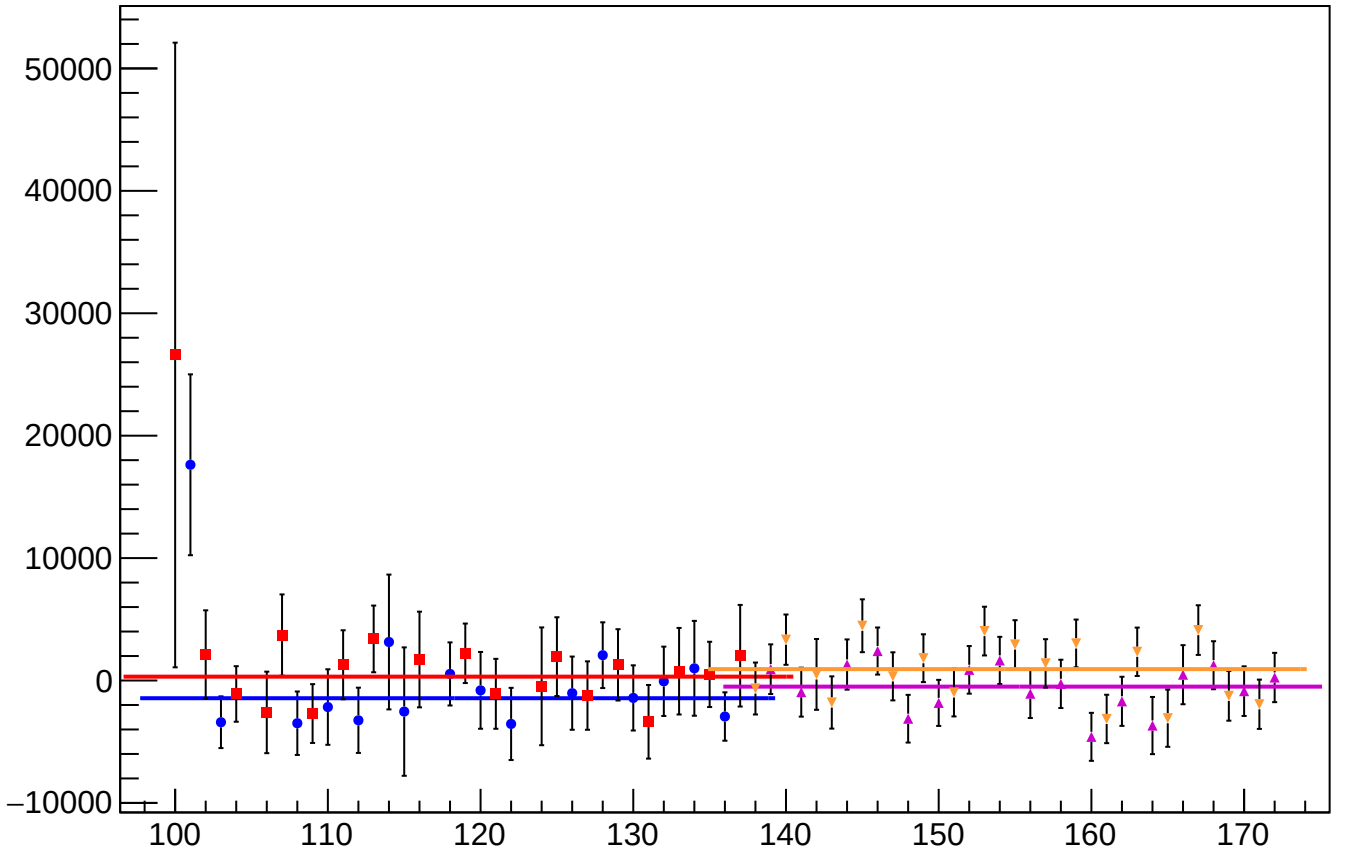
Left: 3947.323+/-0.537 χ^2/NDF: 1947079.5/34

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3930.545+/-0.619 χ^2/NDF:2030053.7/32

Out: 3815.934+/-0.598 χ^2/NDF:2053874.7/36

All: 3871.217+/-0.430 χ^2/NDF: 4101647.4/69



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 930.915+/-485.198 χ^2/NDF:25.6/17

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -500.077+/-487.795 χ^2/NDF:15.4/16

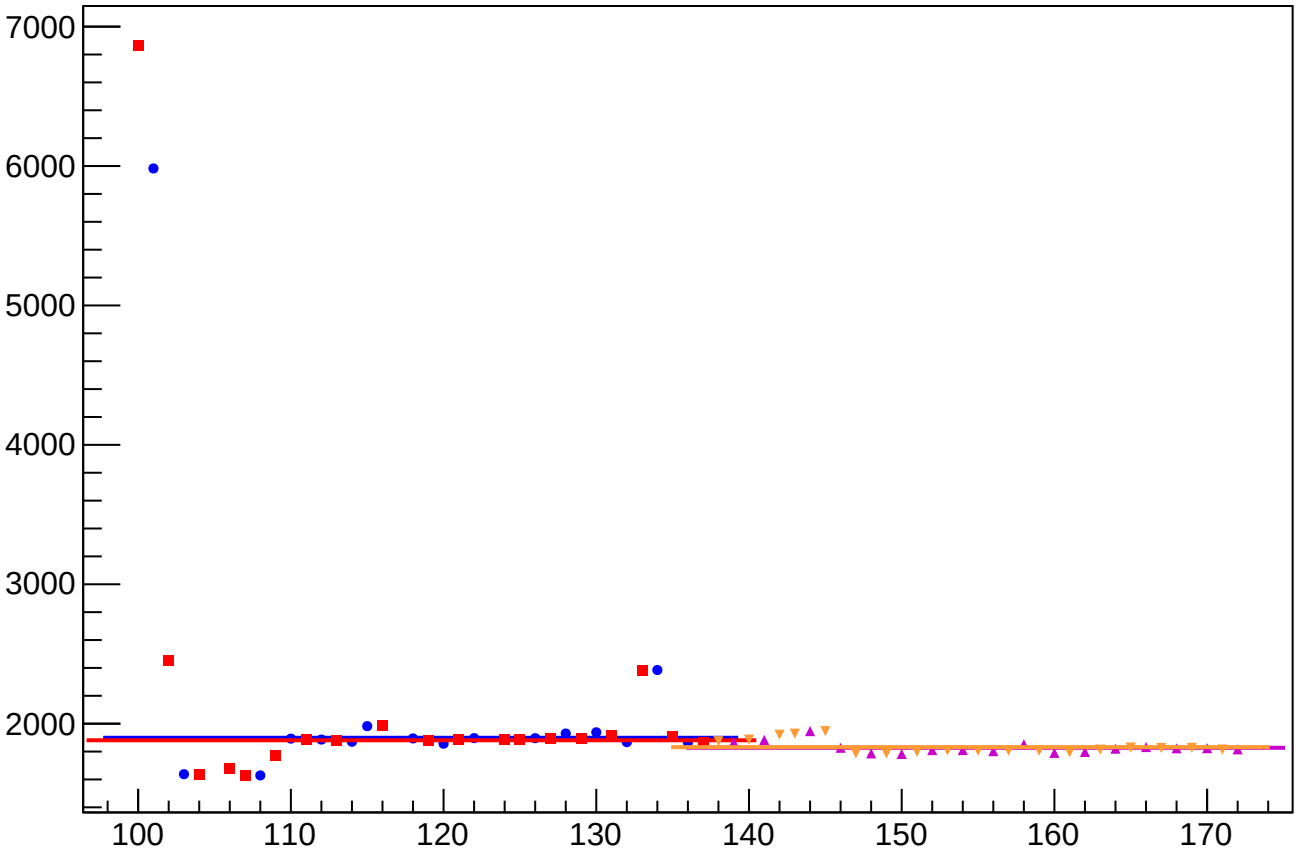
Left: 219.237+/-344.001 χ^2/NDF: 45.3/34

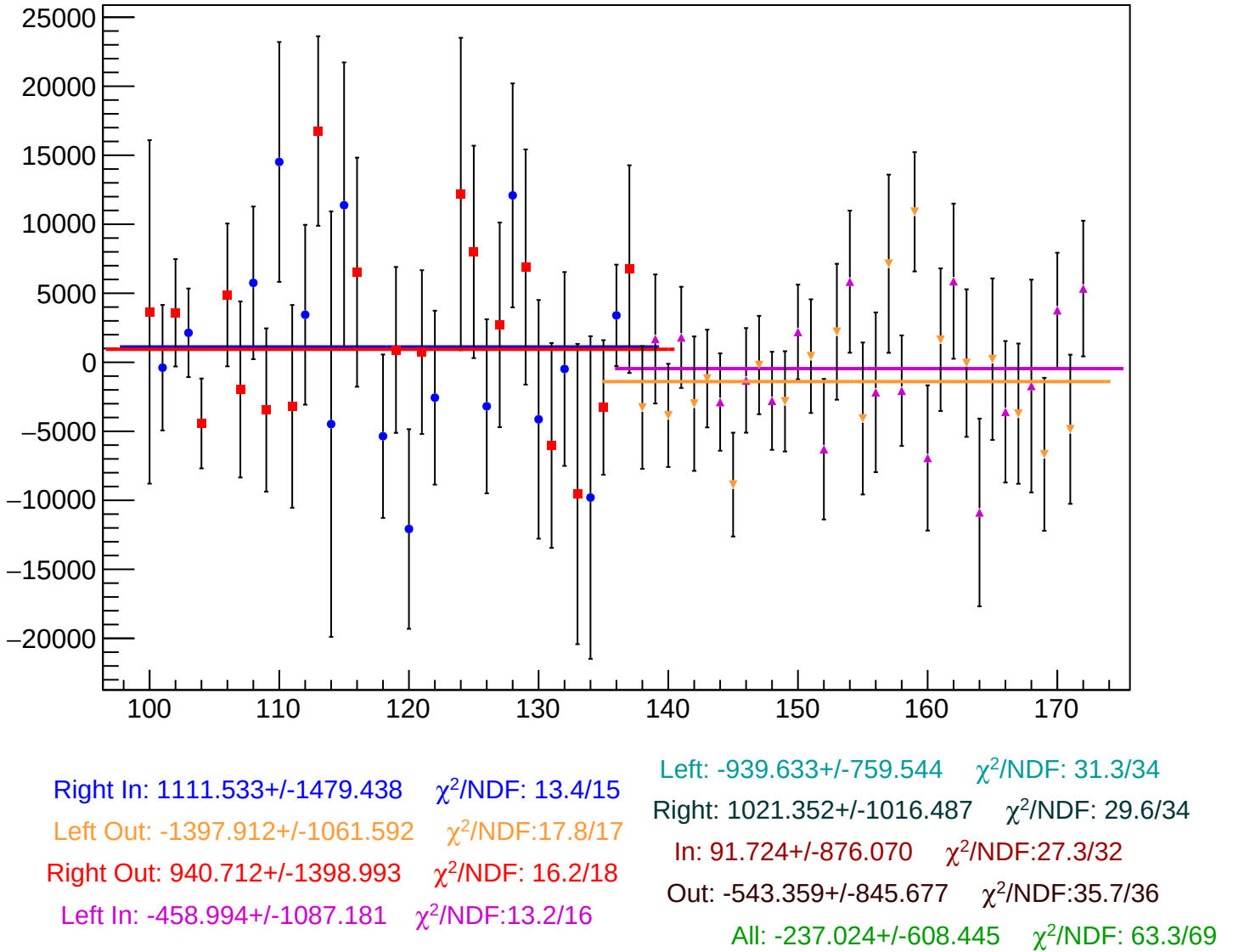
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

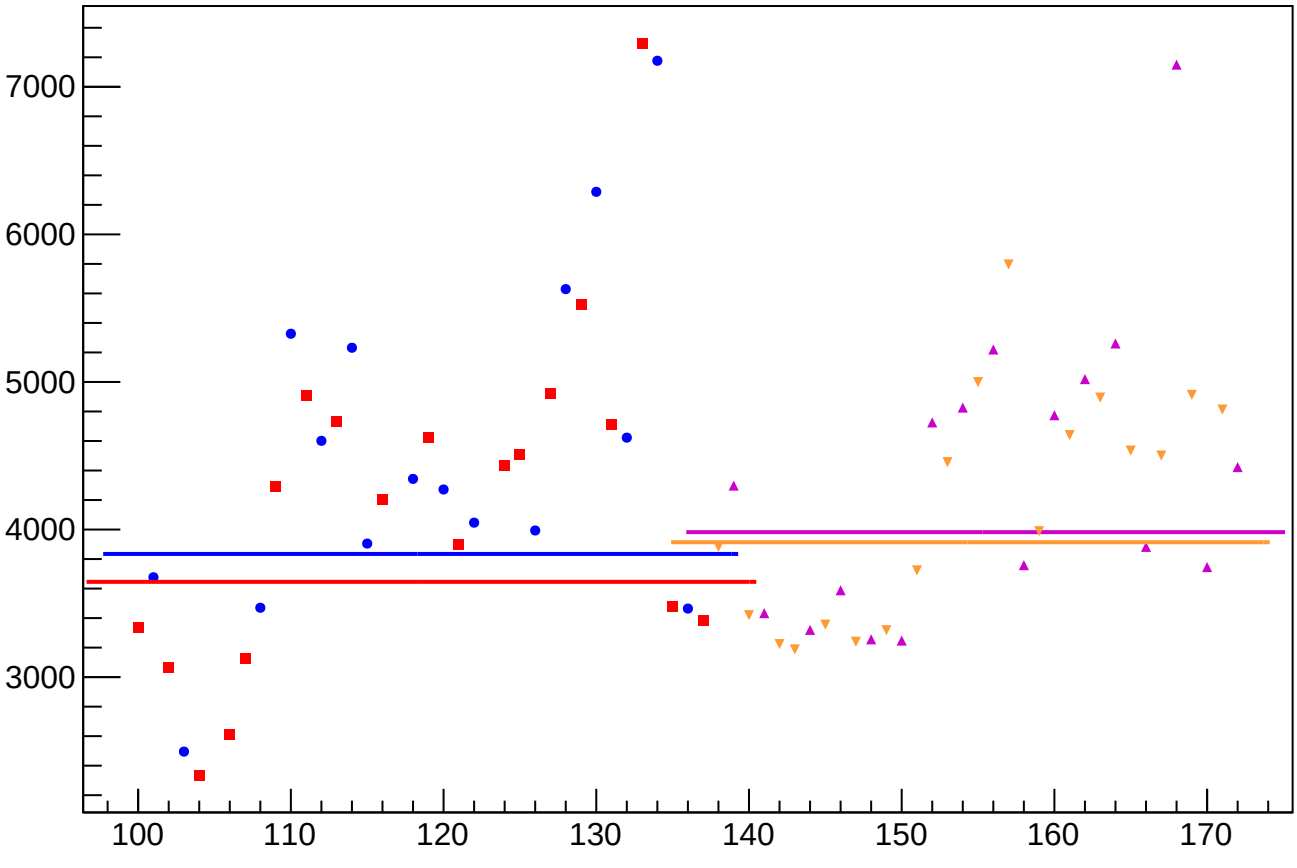
In: -796.181+/-404.392 χ^2/NDF:30.1/32

Out: 732.564+/-399.432 χ^2/NDF:36.0/36

All: -22.376+/-284.179 χ^2/NDF: 73.3/69


eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1898.826+/-0.511 χ²/NDF: 697514.4/15
Left Out: 1831.621+/-0.343 χ²/NDF:18811.2/17
Right Out: 1881.007+/-0.497 χ²/NDF: 216564.4/18
Left In: 1827.034+/-0.345 χ²/NDF:13223.1/16
Left: 1829.340+/-0.243 χ²/NDF: 32123.3/34
Right: 1889.658+/-0.356 χ²/NDF: 914703.5/34
In: 1849.485+/-0.286 χ²/NDF:724285.4/32
Out: 1847.571+/-0.282 χ²/NDF:242067.4/36
All: 1848.515+/-0.201 χ²/NDF: 966375.5/69


asym_atr_dd_eigen_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: -1397.912+/-1061.592 χ²/NDF:17.8/17
Right Out: 940.712+/-1398.993 χ²/NDF: 16.2/18
Left In: -458.994+/-1087.181 χ²/NDF:13.2/16
Left: -939.633+/-759.544 χ²/NDF: 31.3/34
Right: 1021.352+/-1016.487 χ²/NDF: 29.6/34
In: 91.724+/-876.070 χ²/NDF:27.3/32
Out: -543.359+/-845.677 χ²/NDF:35.7/36
All: -237.024+/-608.445 χ²/NDF: 63.3/69



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3913.964+/-0.751 χ^2/NDF:882221.8/17

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: 3947.323+/-0.537 χ^2/NDF: 1947079.5/34

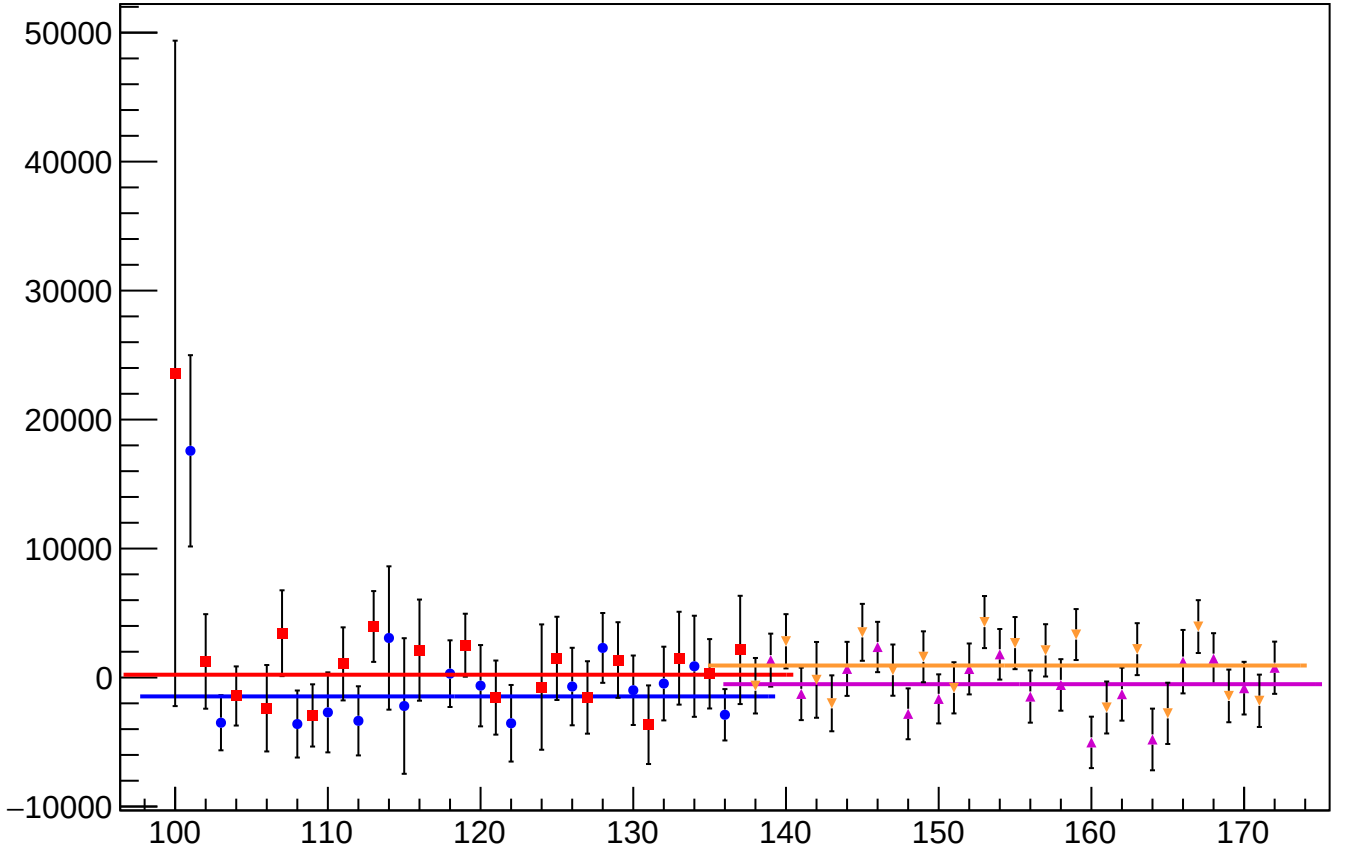
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3930.545+/-0.619 χ^2/NDF:2030053.7/32

Out: 3815.934+/-0.598 χ^2/NDF:2053874.7/36

All: 3871.217+/-0.430 χ^2/NDF: 4101647.4/69

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 932.786+/-492.590 χ^2/NDF:21.7/17

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: 212.448+/-349.144 χ^2/NDF: 43.5/34

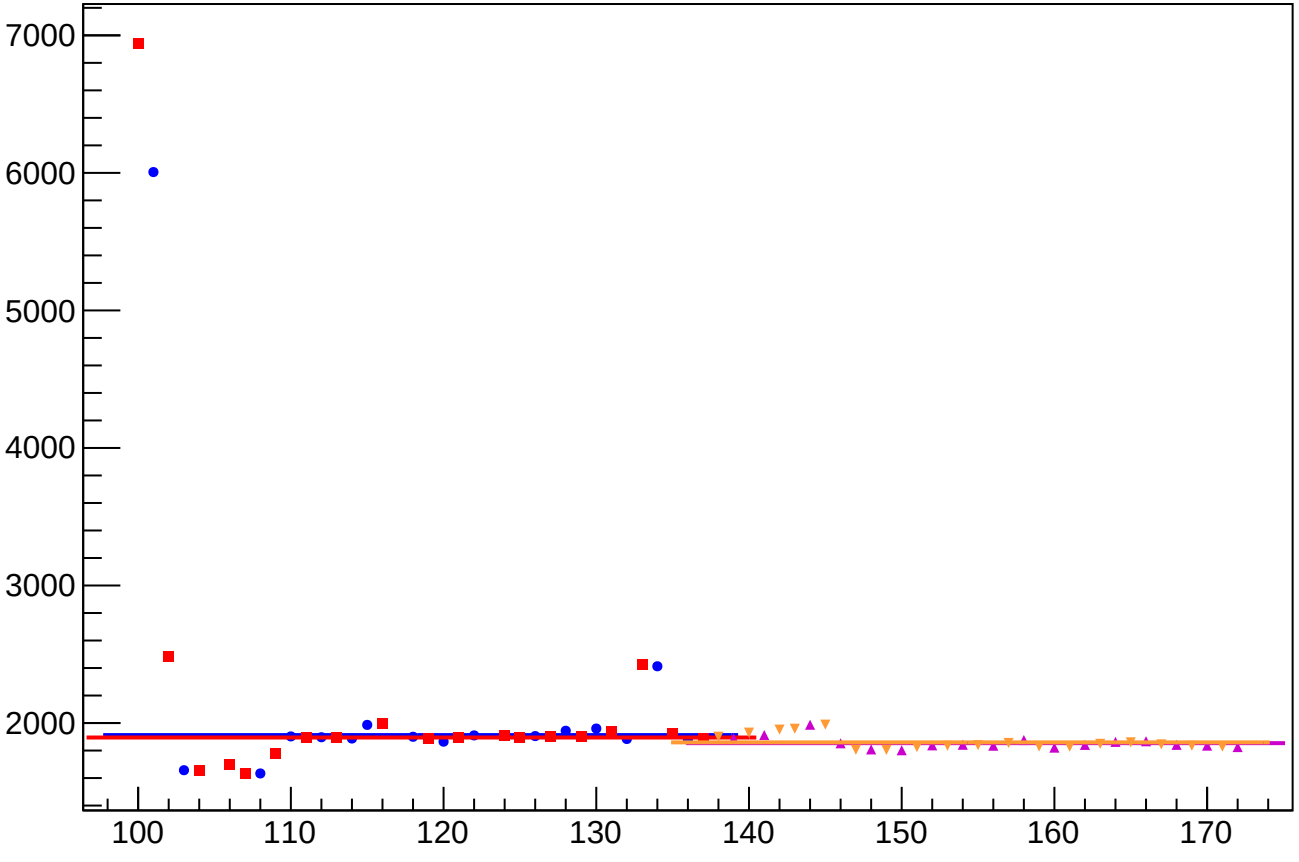
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -814.272+/-409.359 χ^2/NDF:32.3/32

Out: 700.580+/-404.510 χ^2/NDF:33.2/36

All: -47.822+/-287.731 χ^2/NDF: 72.4/69

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1859.380+/-0.348 χ^2/NDF:21934.5/17

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1853.732+/-0.350 χ^2/NDF:14930.3/16

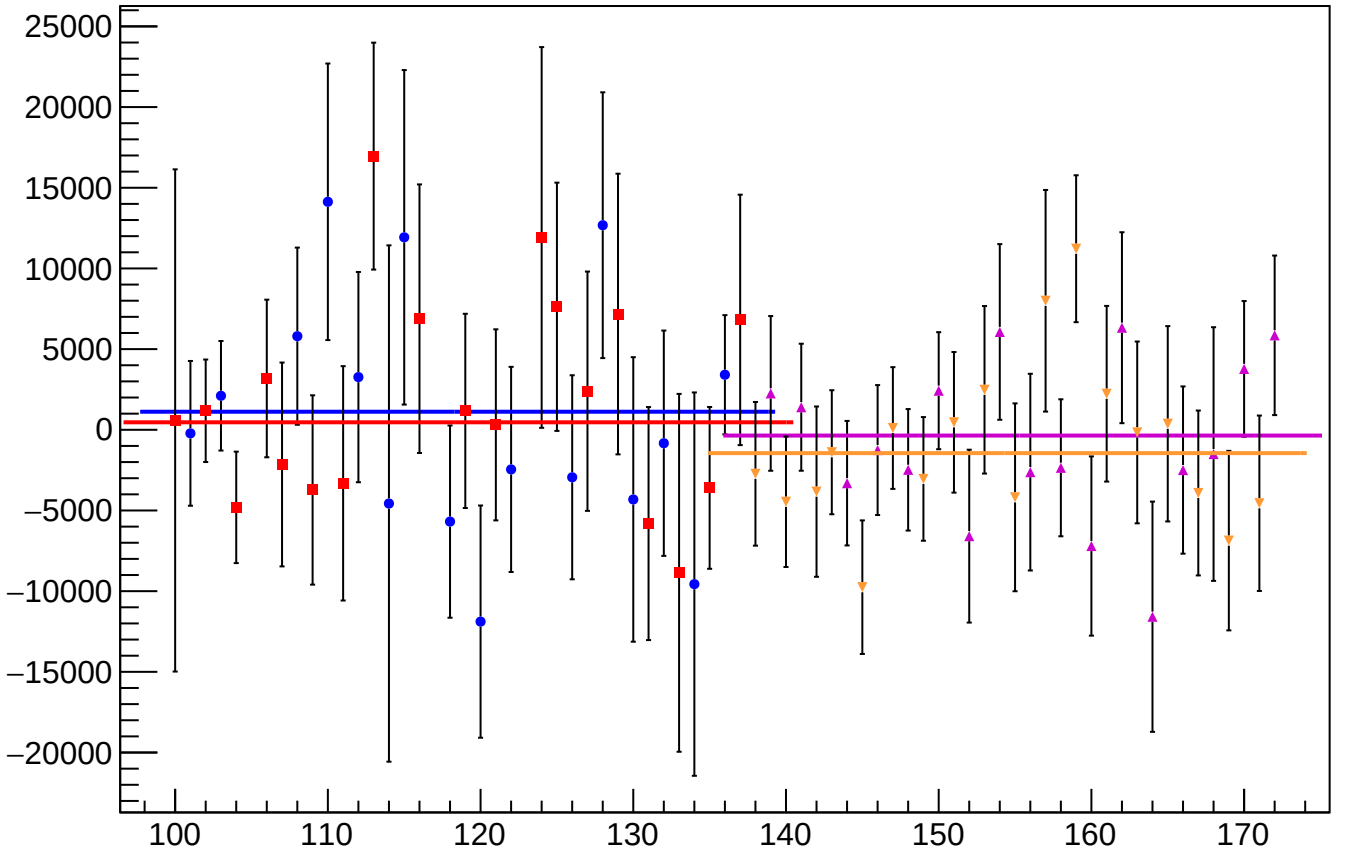
Left: 1856.570+/-0.247 χ^2/NDF: 36995.6/34

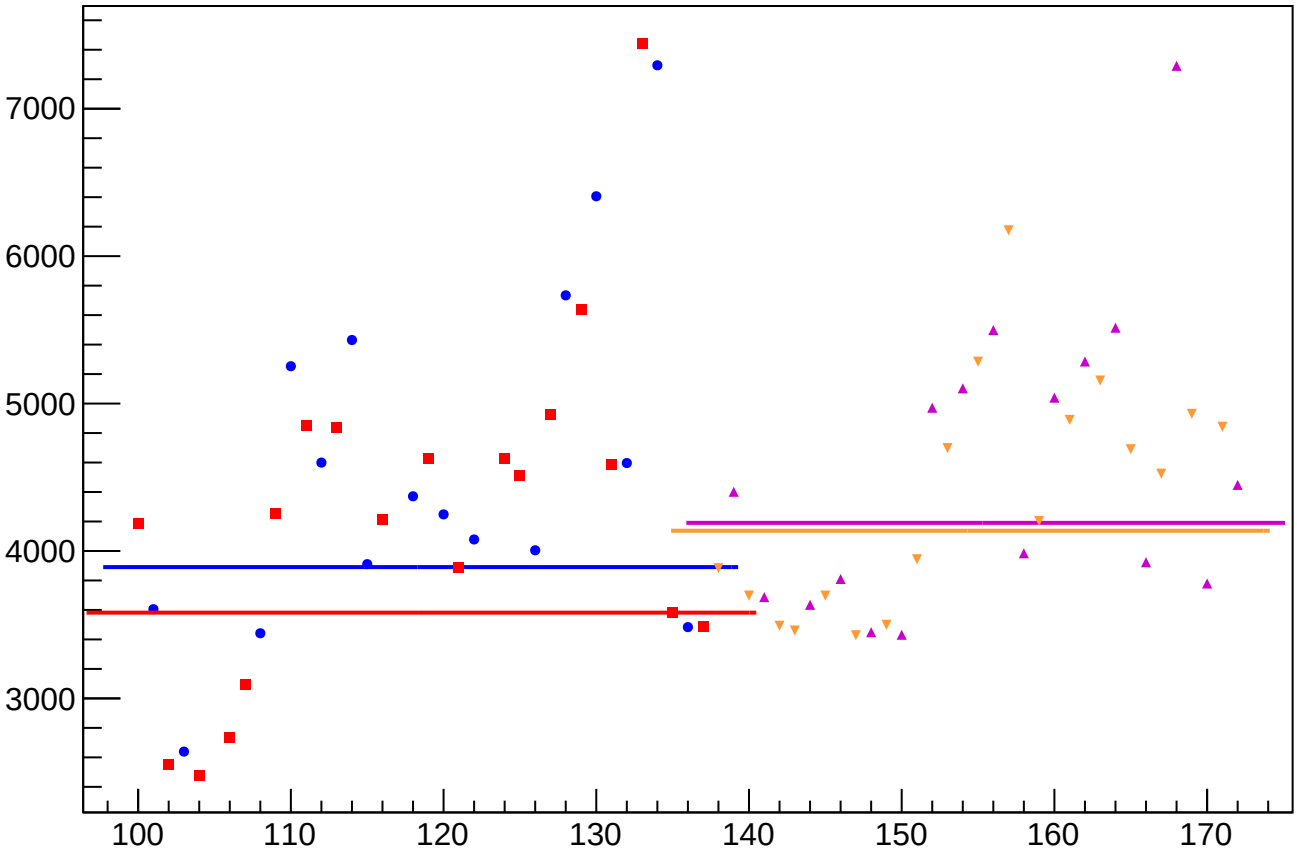
Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1872.262+/-0.289 χ^2/NDF:720022.2/32

Out: 1870.920+/-0.286 χ^2/NDF:245081.6/36

All: 1871.582+/-0.203 χ^2/NDF: 965114.6/69


asym_atr_dd_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 1120.173+/-1497.671 χ²/NDF: 13.5/15
Left Out: -1445.006+/-1119.569 χ²/NDF:17.9/17
Right Out: 464.368+/-1370.818 χ²/NDF: 15.0/18
Left In: -356.423+/-1142.577 χ²/NDF:13.1/16
Left: -911.785+/-799.665 χ²/NDF: 31.6/34
Right: 763.326+/-1011.192 χ²/NDF: 28.6/34
In: 186.813+/-908.405 χ²/NDF:27.2/32
Out: -681.011+/-867.121 χ²/NDF:34.1/36
All: -267.267+/-627.234 χ²/NDF: 61.8/69



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4137.419+/-0.792 χ^2/NDF:758150.3/17

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: 4163.576+/-0.565 χ^2/NDF: 1742157.9/34

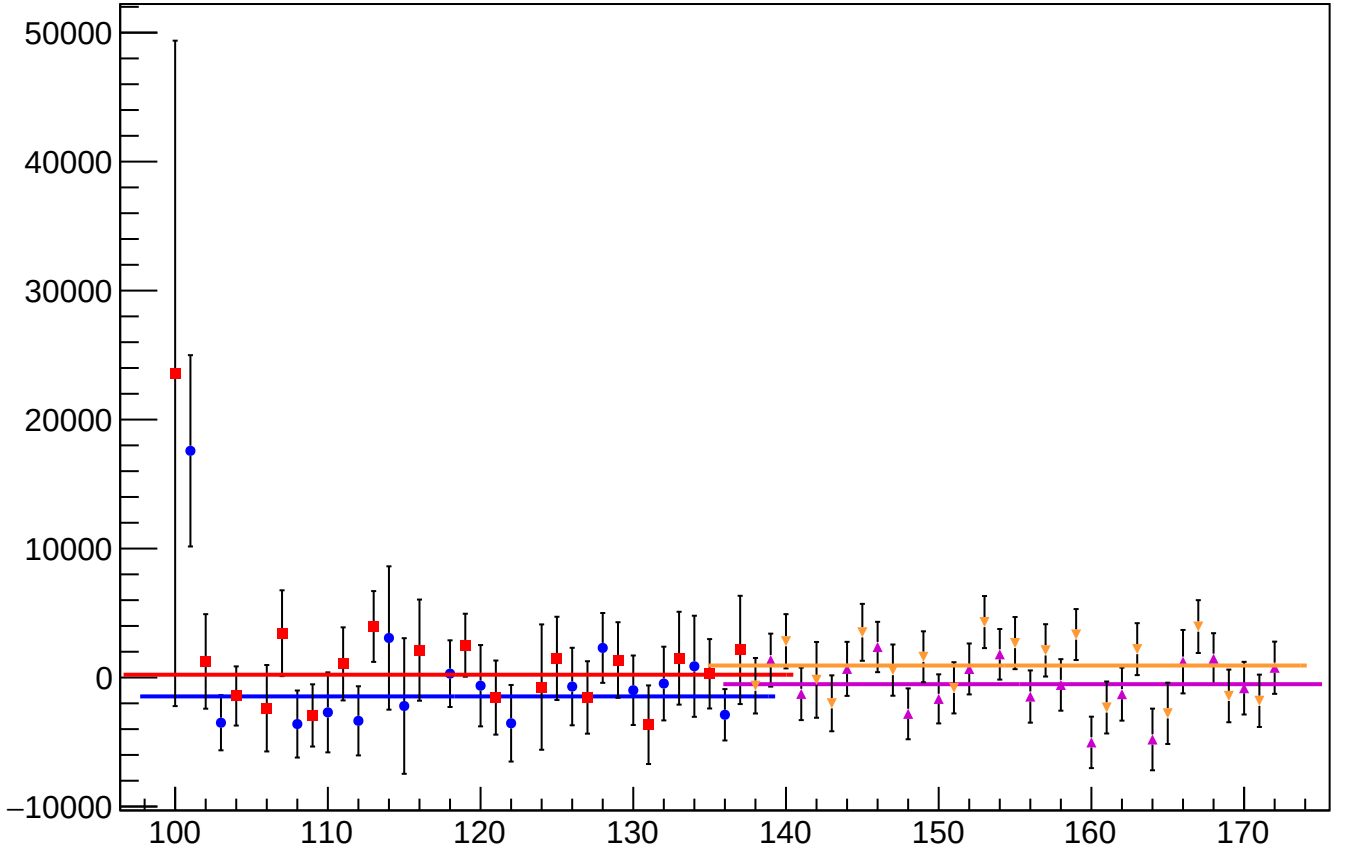
Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 4080.410+/-0.642 χ^2/NDF:1910960.5/32

Out: 3915.092+/-0.613 χ^2/NDF:2177117.8/36

All: 3993.909+/-0.444 χ^2/NDF: 4122736.7/69

eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.646+/-728.274 χ^2/NDF: 13.6/15

Left Out: 932.793+/-492.590 χ^2/NDF:21.7/17

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: 212.450+/-349.145 χ^2/NDF: 43.5/34

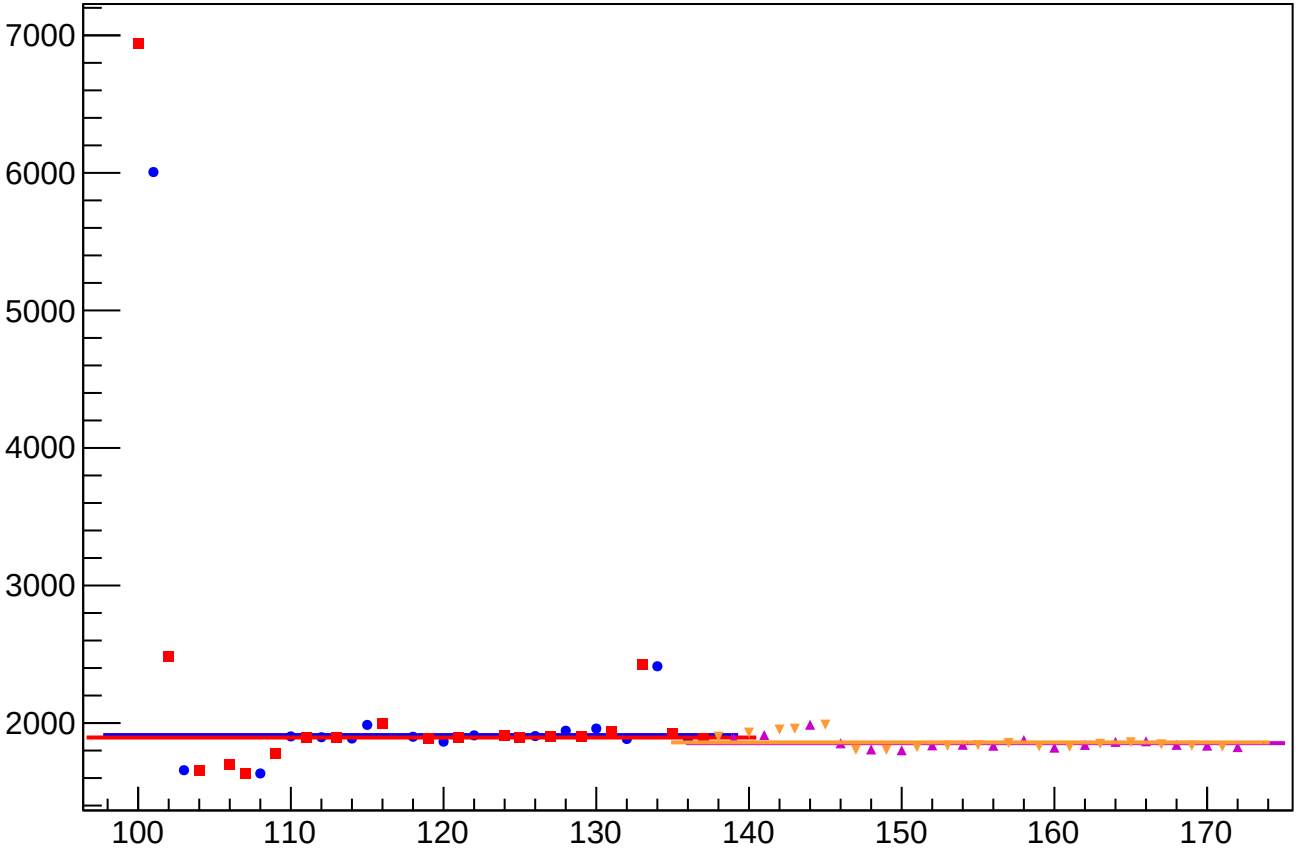
Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -814.276+/-409.359 χ^2/NDF:32.3/32

Out: 700.582+/-404.510 χ^2/NDF:33.2/36

All: -47.822+/-287.731 χ^2/NDF: 72.4/69

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1859.381+/-0.348 χ^2/NDF:21934.5/17

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1853.733+/-0.350 χ^2/NDF:14930.2/16

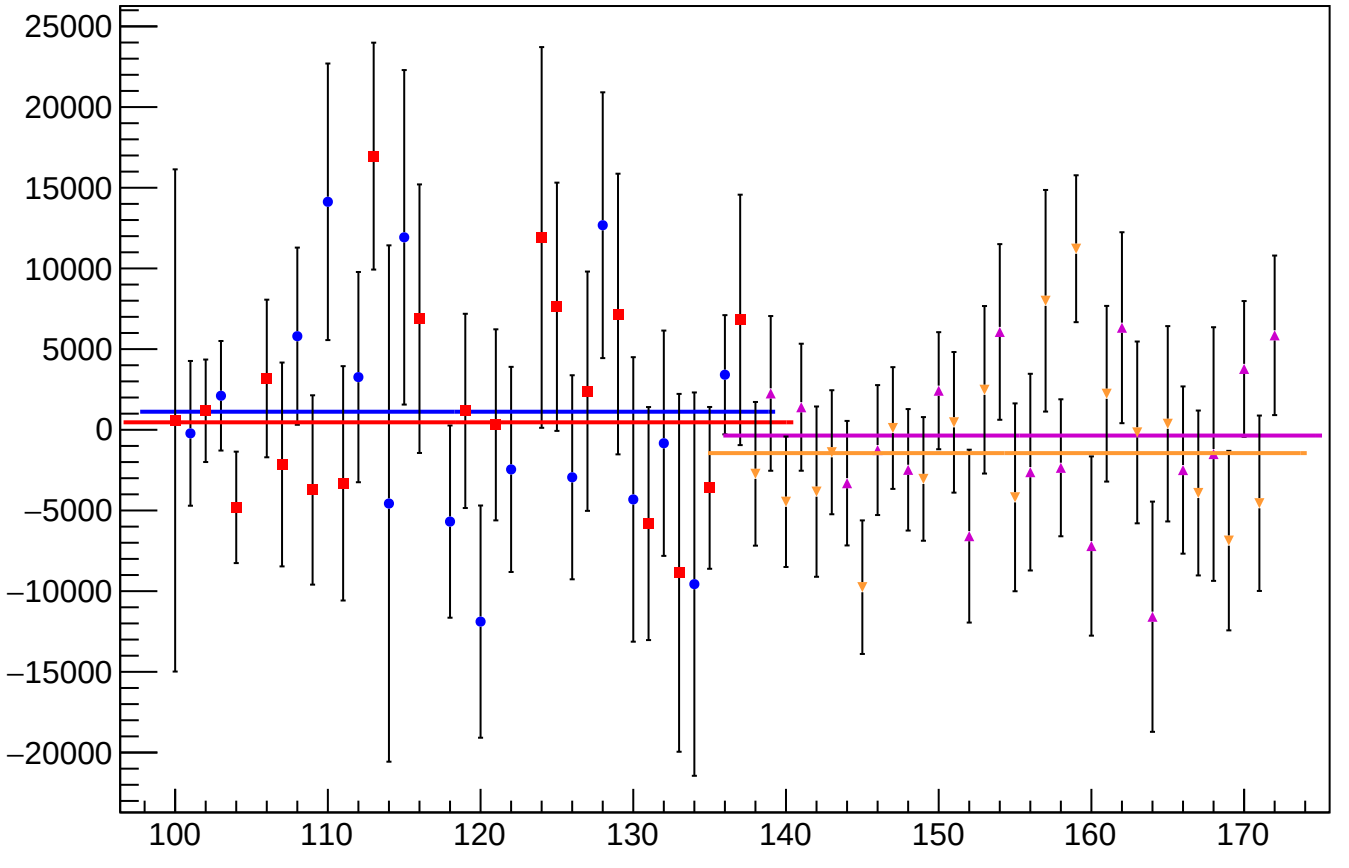
Left: 1856.570+/-0.247 χ^2/NDF: 36995.6/34

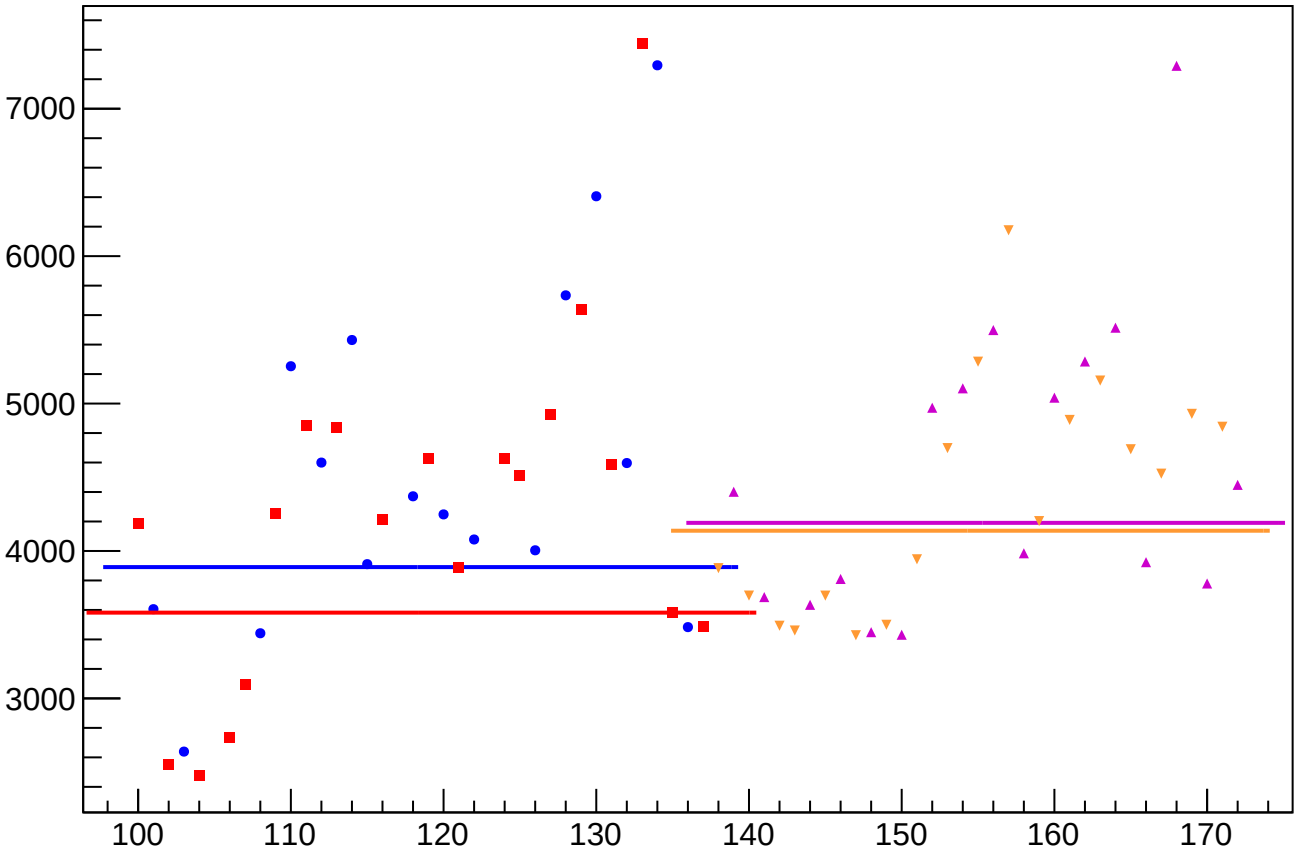
Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1872.262+/-0.289 χ^2/NDF:720021.7/32

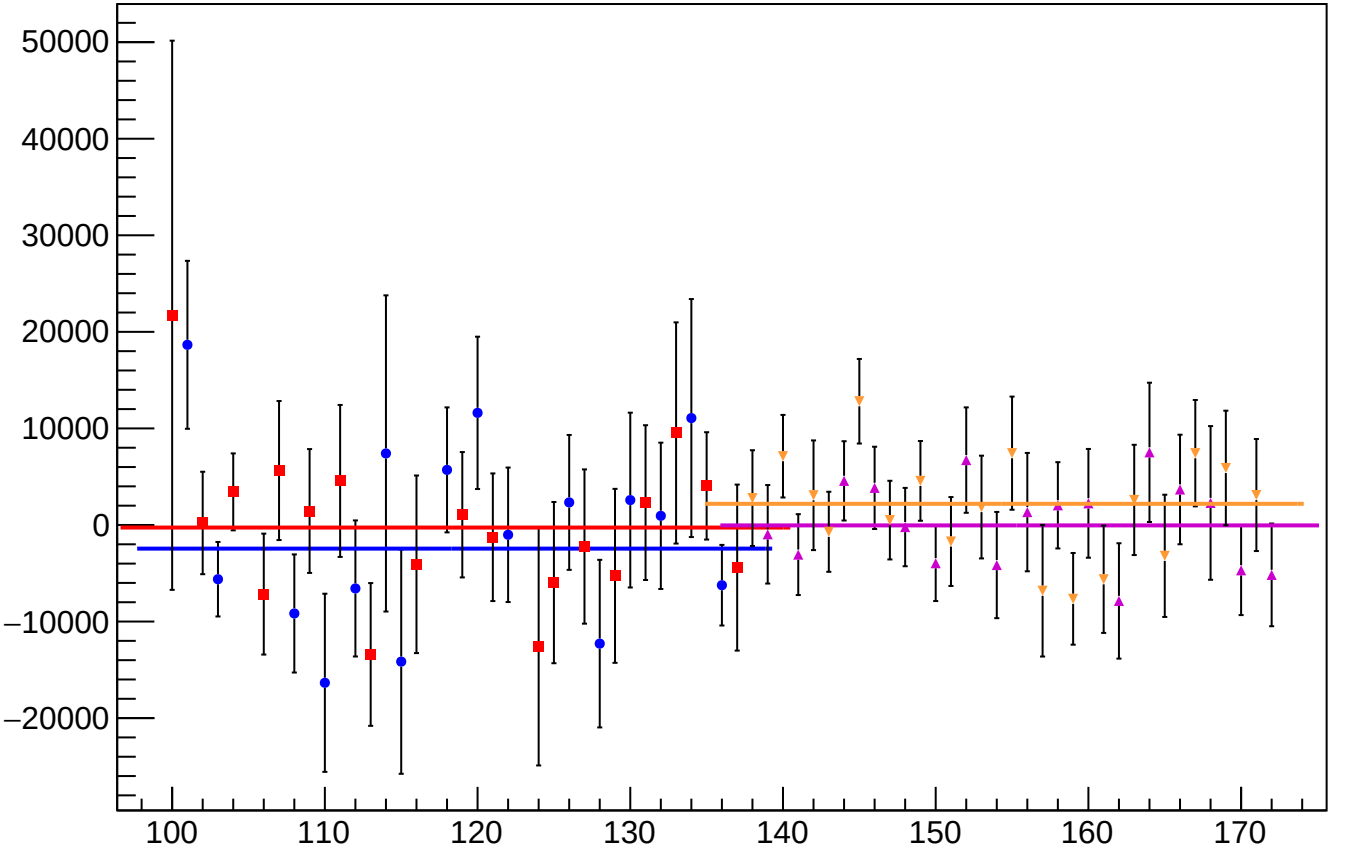
Out: 1870.920+/-0.286 χ^2/NDF:245081.4/36

All: 1871.583+/-0.203 χ^2/NDF: 965114.1/69


asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 1120.159+/-1497.669 χ²/NDF: 13.5/15
Left Out: -1445.006+/-1119.570 χ²/NDF:17.9/17
Right Out: 464.367+/-1370.817 χ²/NDF: 15.0/18
Left In: -356.420+/-1142.579 χ²/NDF:13.1/16
Left: -911.784+/-799.666 χ²/NDF: 31.6/34
Right: 763.319+/-1011.191 χ²/NDF: 28.6/34
In: 186.811+/-908.405 χ²/NDF:27.2/32
Out: -681.008+/-867.121 χ²/NDF:34.1/36
All: -267.266+/-627.235 χ²/NDF: 61.8/69


asym_atr_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
Right In: 3890.705+/-1.059 χ²/NDF: 878409.2/15
Left Out: 4137.426+/-0.792 χ²/NDF:758150.6/17
Right Out: 3581.777+/-0.969 χ²/NDF: 1221846.6/18
Left In: 4190.826+/-0.808 χ²/NDF:981781.3/16
Left: 4163.582+/-0.565 χ²/NDF: 1742160.6/34
Right: 3722.606+/-0.715 χ²/NDF: 2146560.1/34
In: 4080.412+/-0.642 χ²/NDF:1910956.9/32
Out: 3915.094+/-0.613 χ²/NDF:2177116.2/36
All: 3993.911+/-0.444 χ²/NDF: 4122731.6/69

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 2192.809+/-1184.830 χ^2/NDF:19.8/17

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: -43.217+/-1206.779 χ^2/NDF:11.4/16

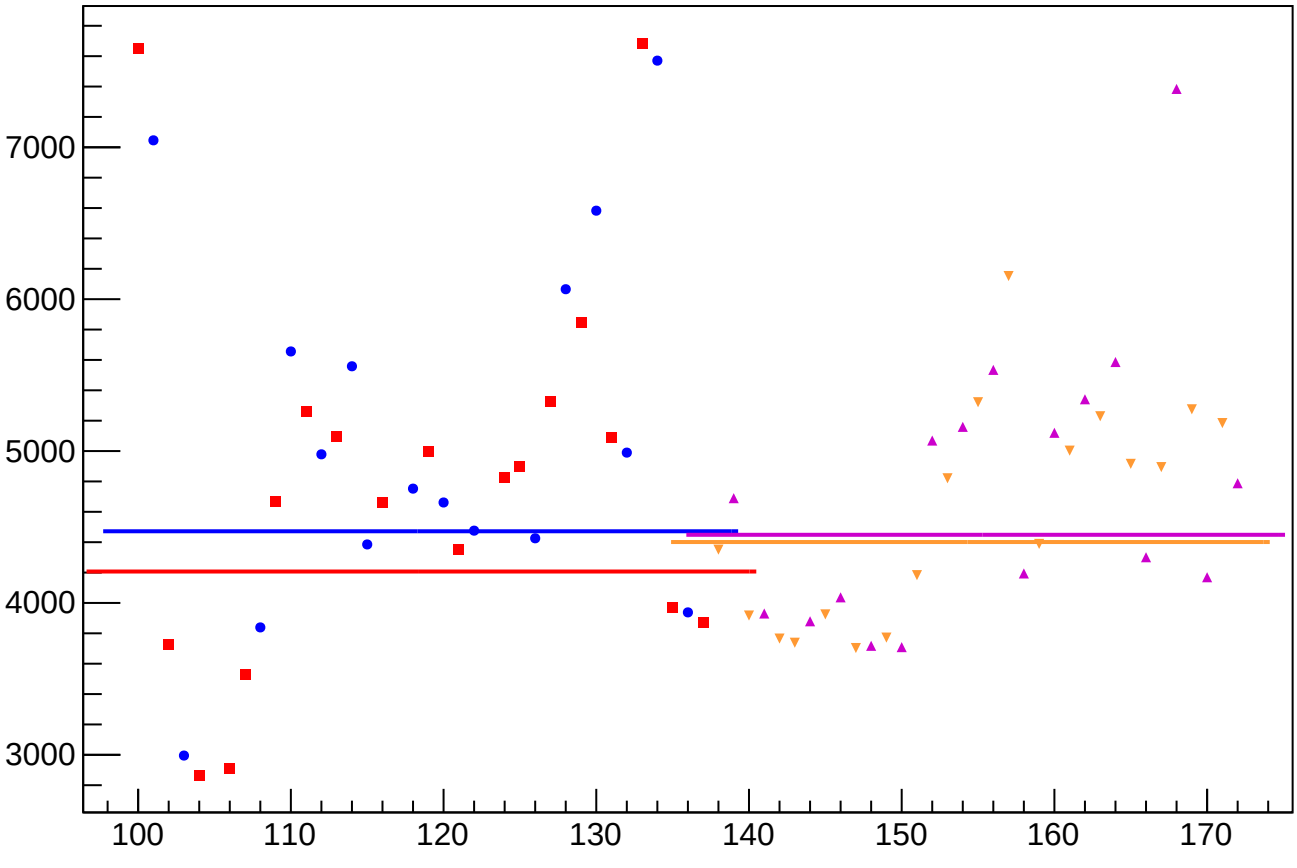
Left: 1095.315+/-845.455 χ^2/NDF: 33.0/34

Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -836.776+/-987.823 χ^2/NDF:33.6/32

Out: 1337.733+/-956.873 χ^2/NDF:32.0/36

All: 285.077+/-687.293 χ^2/NDF: 68.1/69



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4401.074+/-0.838 χ^2/NDF:603952.3/17

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4448.670+/-0.853 χ^2/NDF:768814.3/16

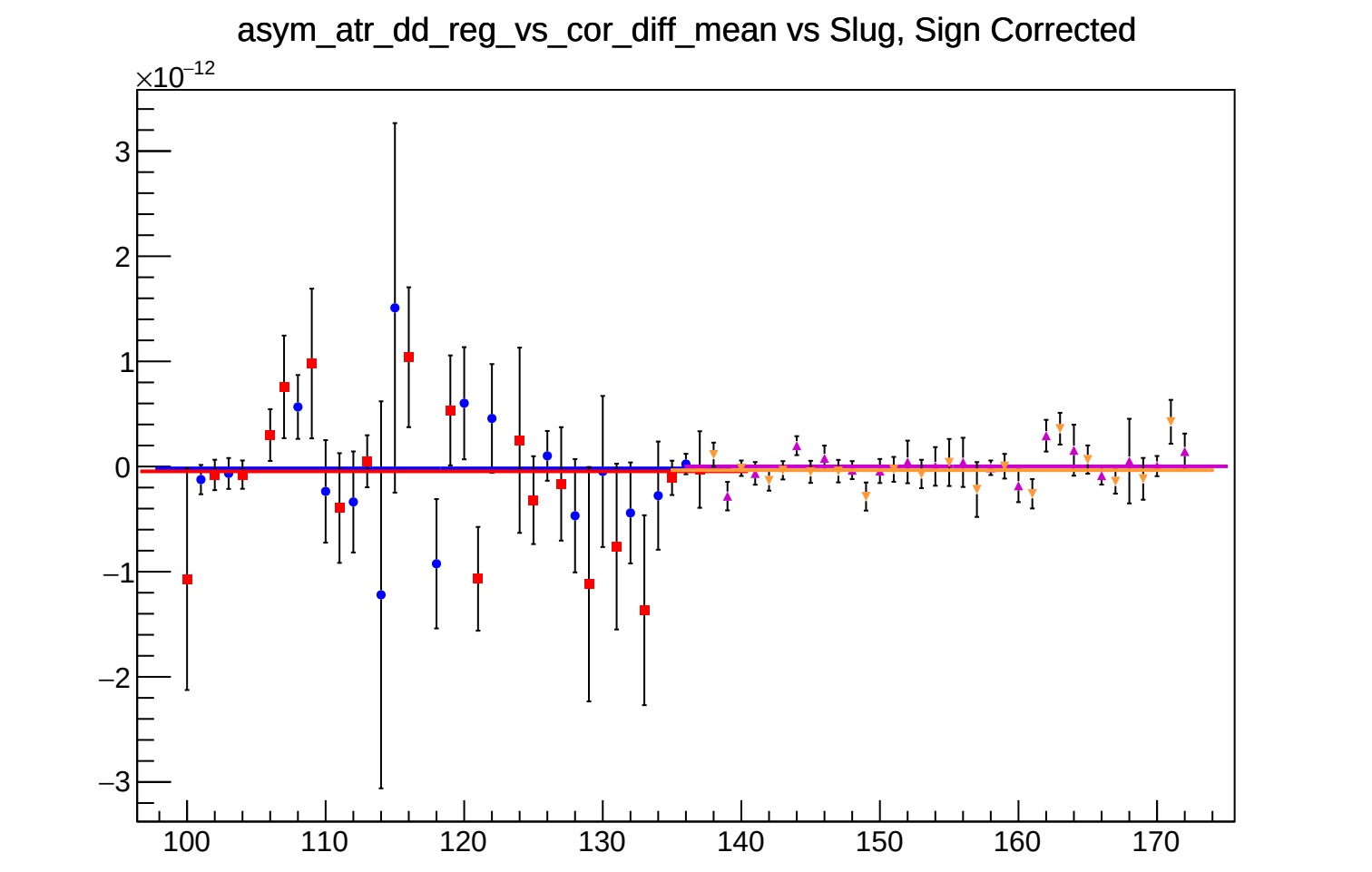
Left: 4424.435+/-0.598 χ^2/NDF: 1374350.8/34

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4456.336+/-0.698 χ^2/NDF:1660737.4/32

Out: 4332.824+/-0.675 χ^2/NDF:1469357.3/36

All: 4392.438+/-0.485 χ^2/NDF: 3146270.5/69



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.0/17

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/18

Left In: 0.000+/-0.000 χ^2/NDF:17.6/16

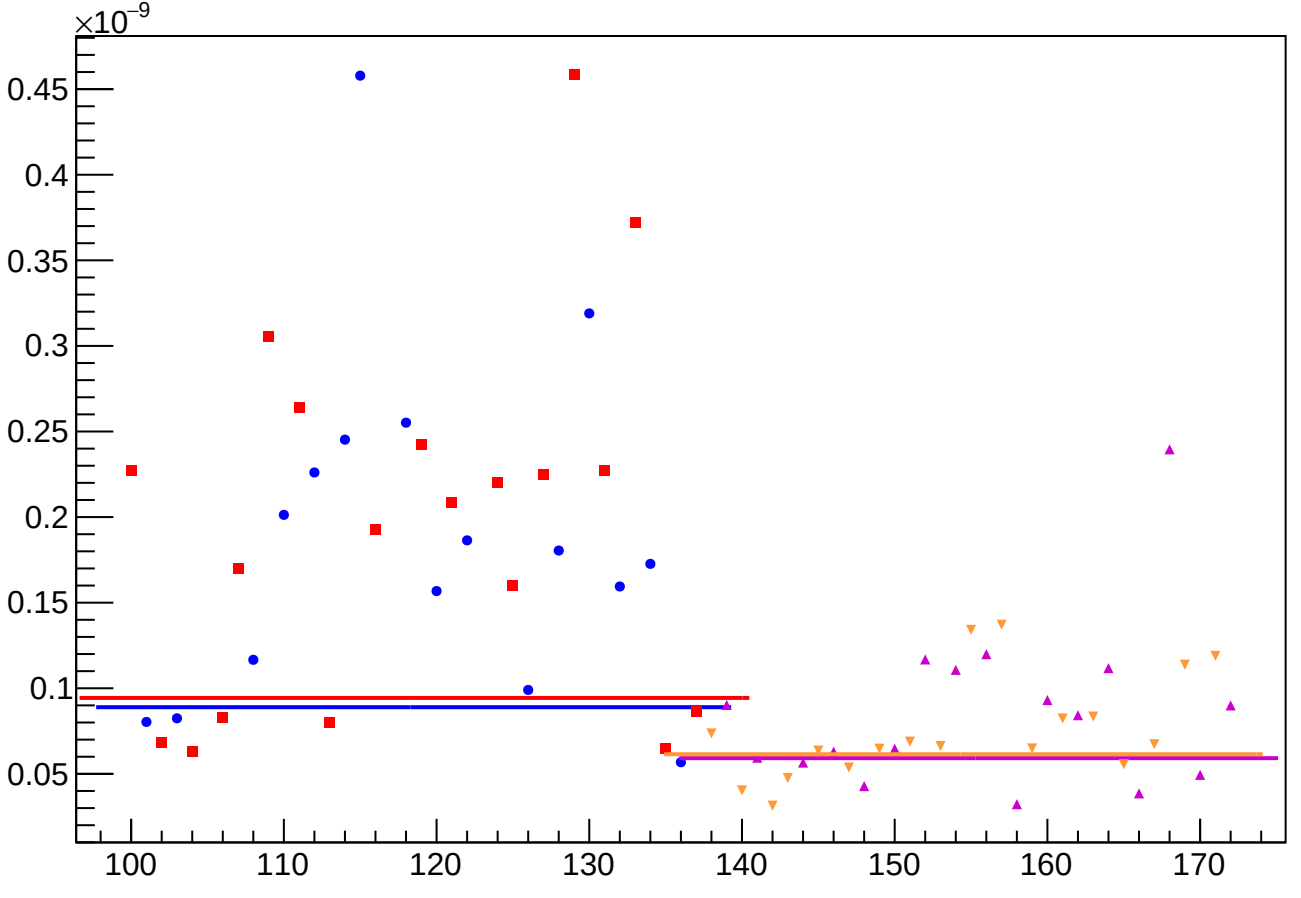
Left: -0.000+/-0.000 χ^2/NDF: 41.4/34

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:44.2/36

All: -0.000+/-0.000 χ^2/NDF: 75.6/69



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1226064.3/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1791290.8/16

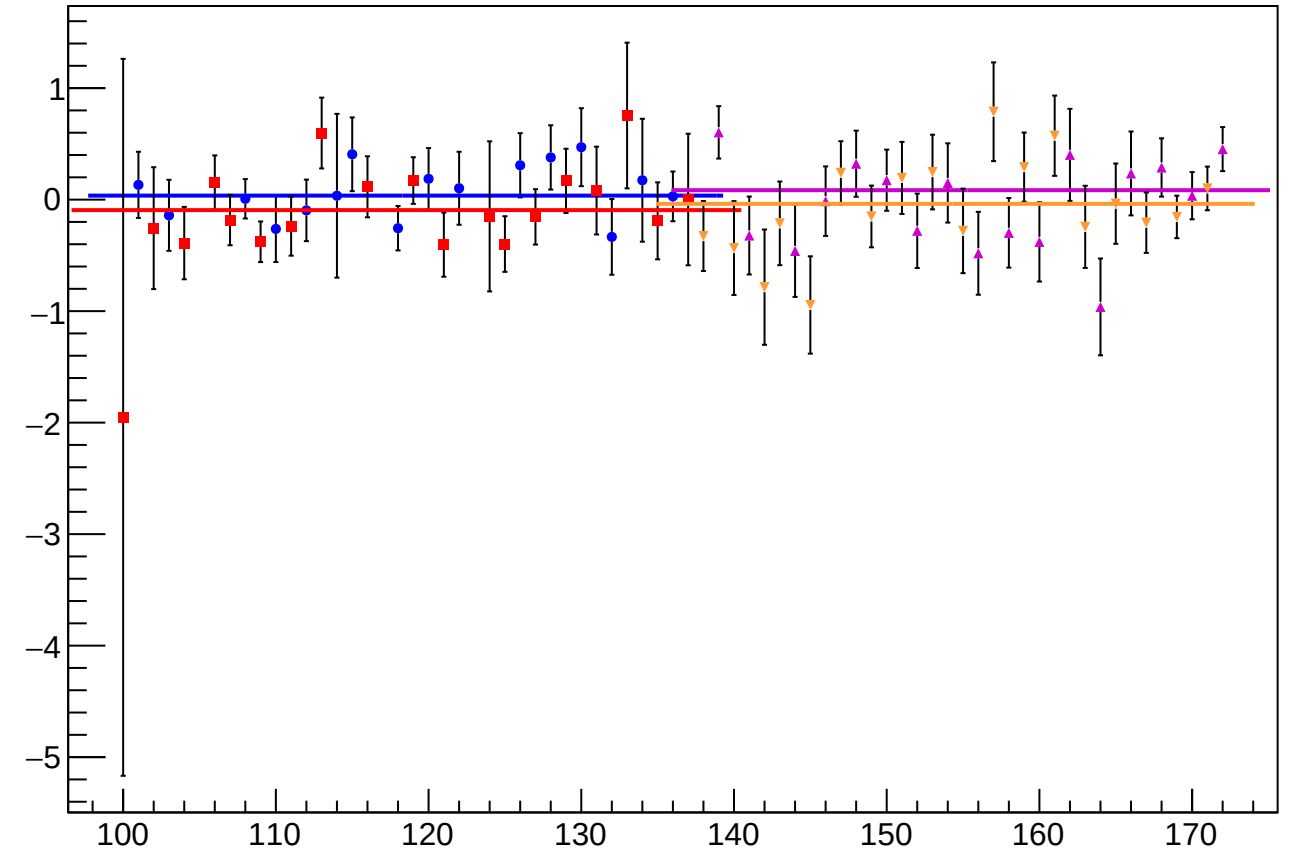
Left: 0.000+/-0.000 χ^2/NDF: 3023804.8/34

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:3318743.2/36

All: 0.000+/-0.000 χ^2/NDF: 6730312.7/69



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.038+/-0.073 χ^2/NDF:20.2/17

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: 0.024+/-0.051 χ^2/NDF: 47.9/34

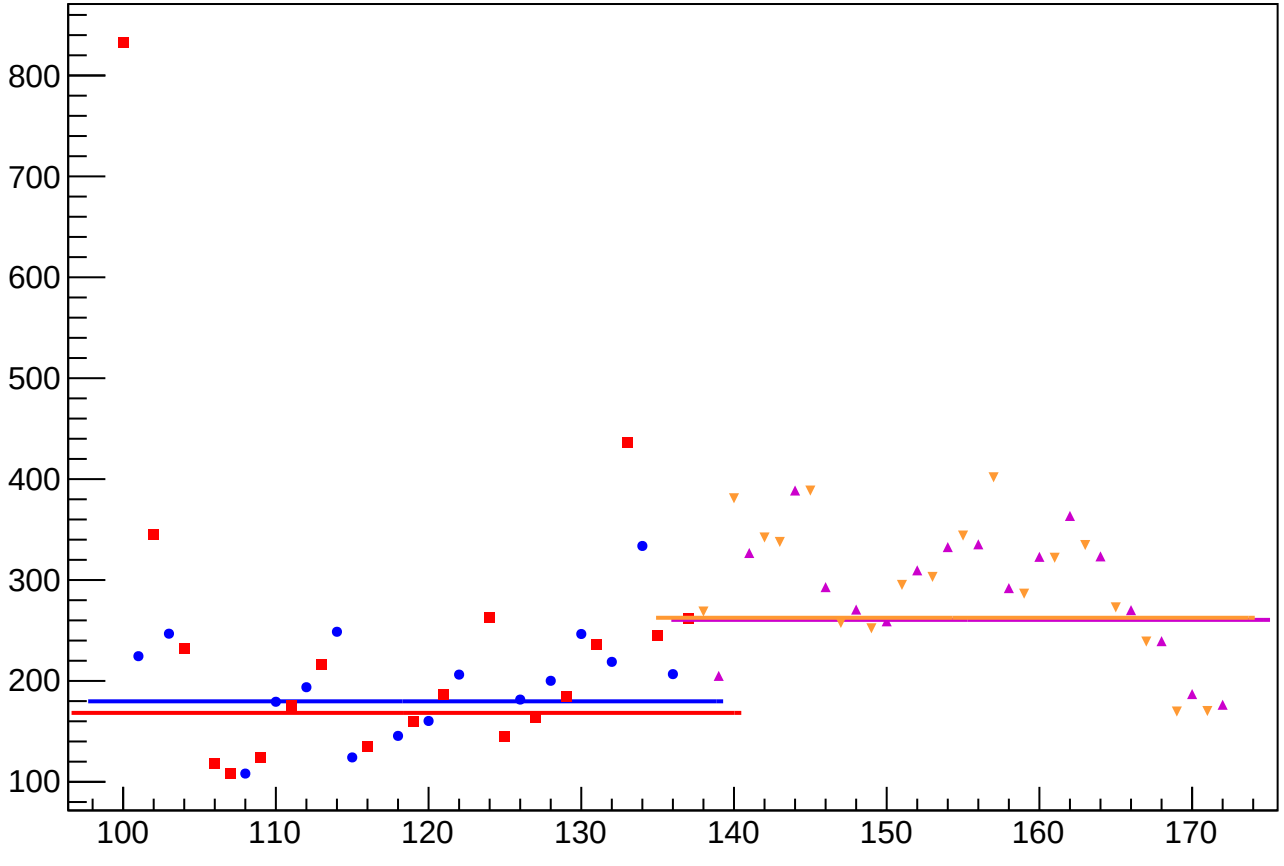
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.060+/-0.051 χ^2/NDF:37.0/32

Out: -0.068+/-0.050 χ^2/NDF:38.1/36

All: -0.006+/-0.035 χ^2/NDF: 78.4/69

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: 262.596+/-0.052 χ^2/NDF:1877127.5/17

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 260.518+/-0.051 χ^2/NDF:1473835.3/16

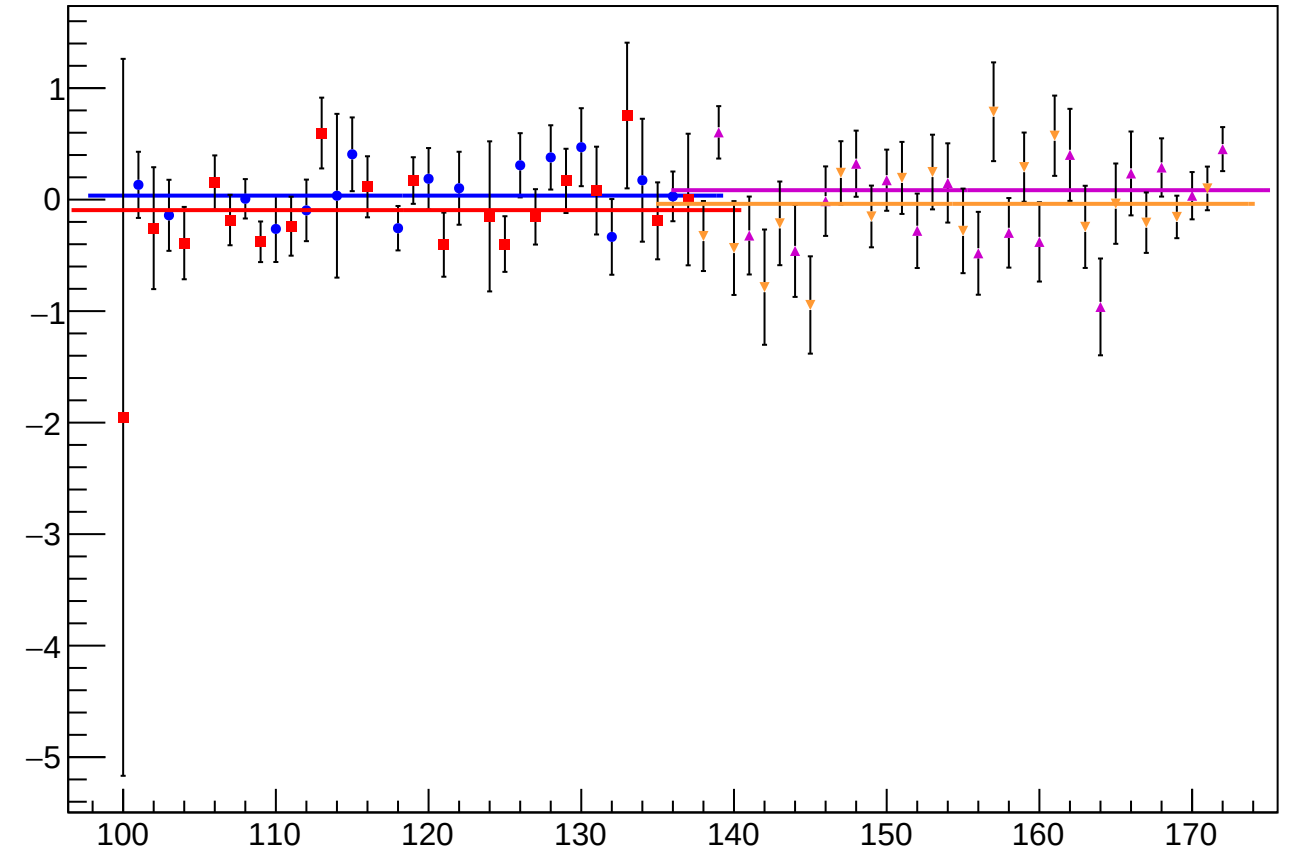
Left: 261.552+/-0.036 χ^2/NDF: 3351780.5/34

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 219.069+/-0.036 χ^2/NDF:3665169.3/32

Out: 211.957+/-0.035 χ^2/NDF:5084267.0/36

All: 215.442+/-0.025 χ^2/NDF: 8769605.3/69



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.038+/-0.073 χ^2/NDF:20.2/17

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: 0.024+/-0.051 χ^2/NDF: 47.9/34

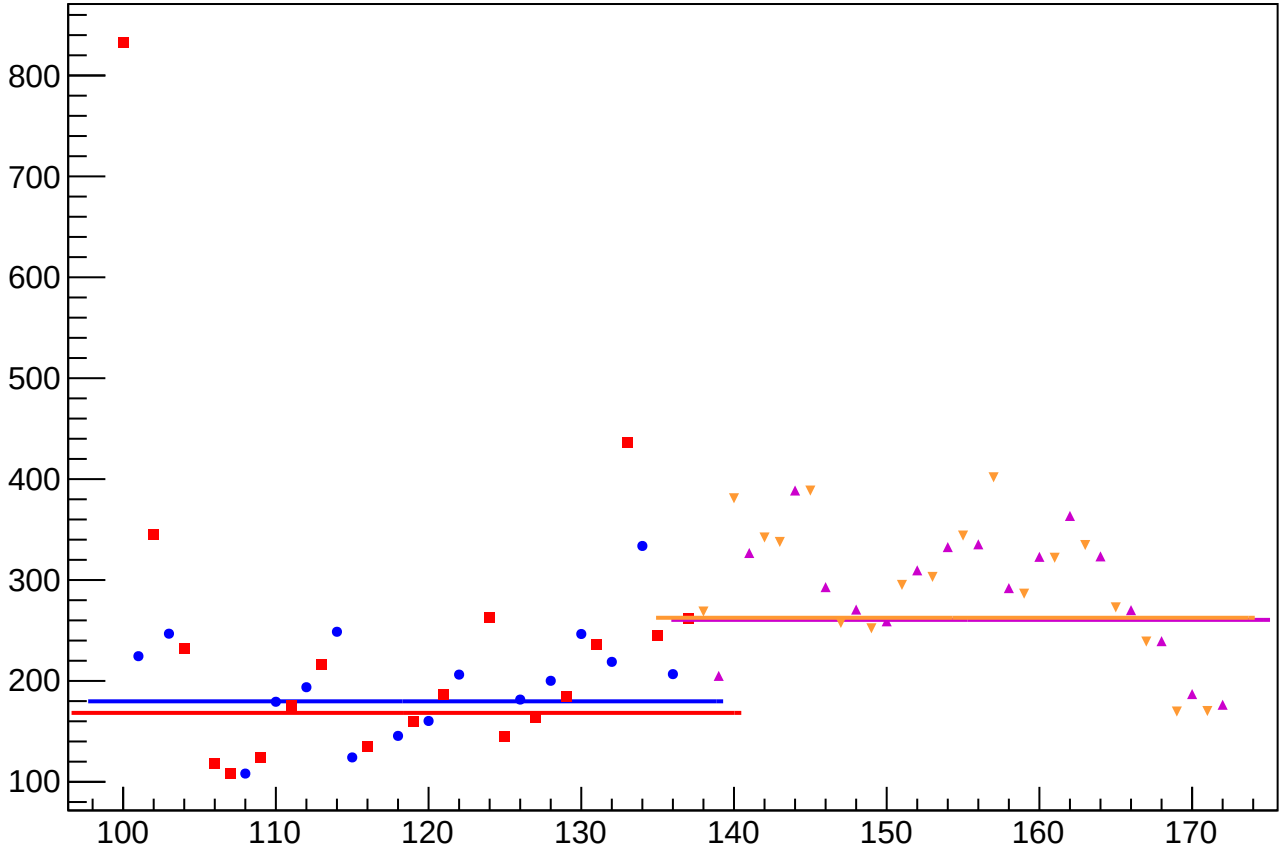
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.060+/-0.051 χ^2/NDF:37.0/32

Out: -0.068+/-0.050 χ^2/NDF:38.1/36

All: -0.006+/-0.035 χ^2/NDF: 78.4/69

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 262.596+/-0.052 χ^2/NDF:1877127.5/17

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 260.518+/-0.051 χ^2/NDF:1473835.3/16

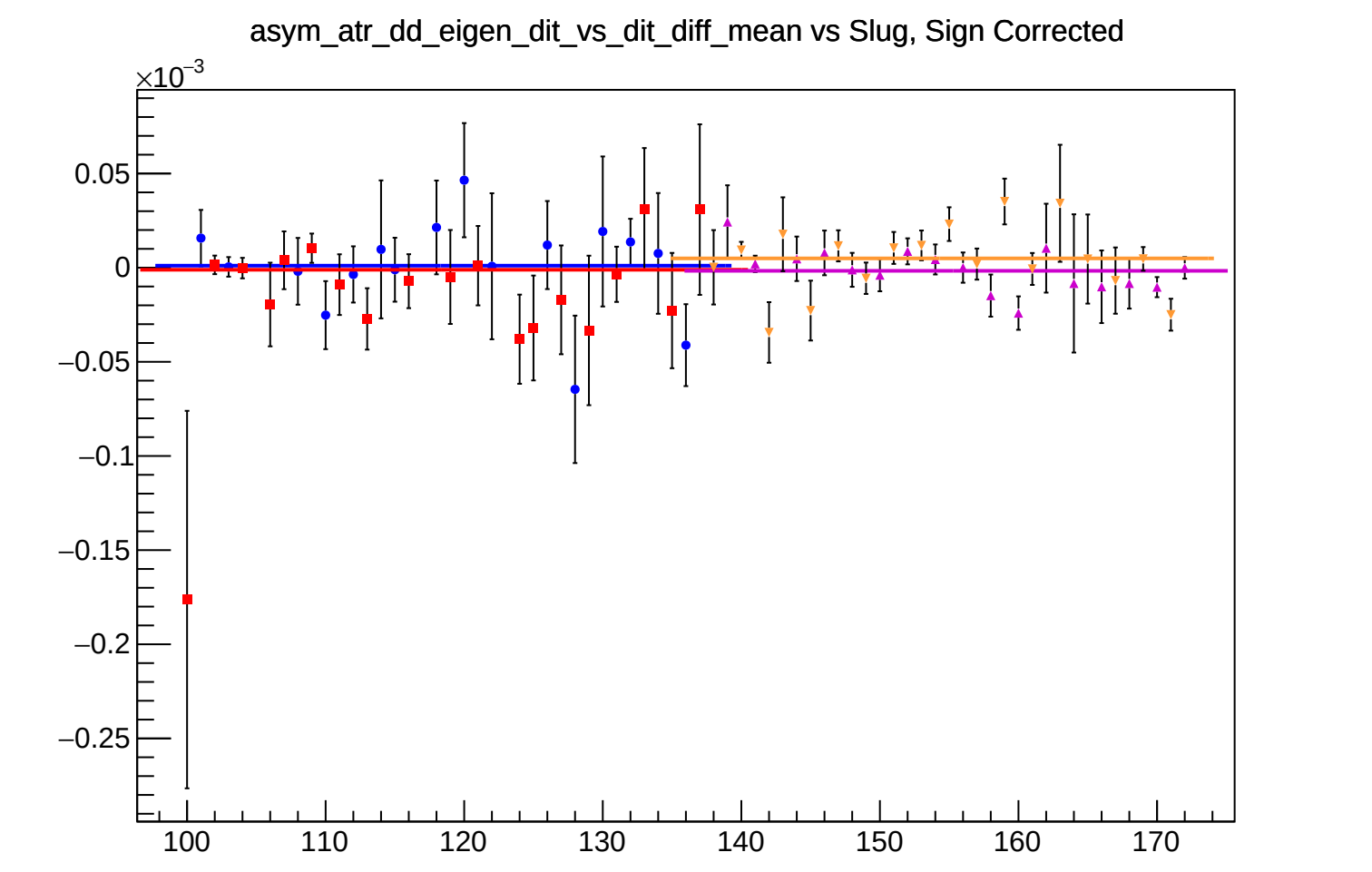
Left: 261.552+/-0.036 χ^2/NDF: 3351780.5/34

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 219.069+/-0.036 χ^2/NDF:3665169.3/32

Out: 211.957+/-0.035 χ^2/NDF:5084267.0/36

All: 215.442+/-0.025 χ^2/NDF: 8769605.3/69



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:38.6/17

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:17.6/16

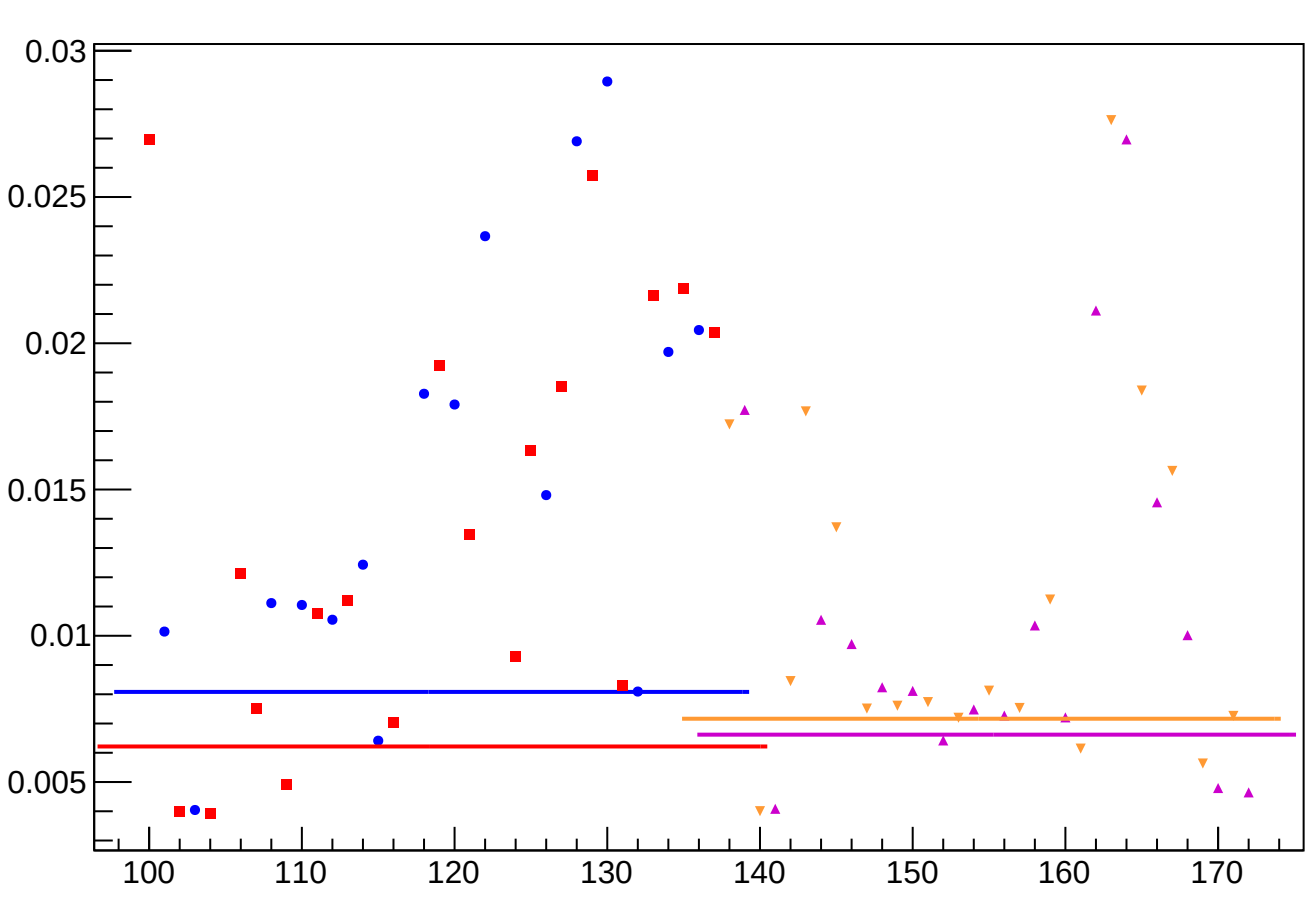
Left: 0.000+/-0.000 χ^2/NDF: 61.3/34

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:57.6/36

All: 0.000+/-0.000 χ^2/NDF: 92.2/69



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:4691145.0/17

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.007+/-0.000 χ^2/NDF:4393665.7/16

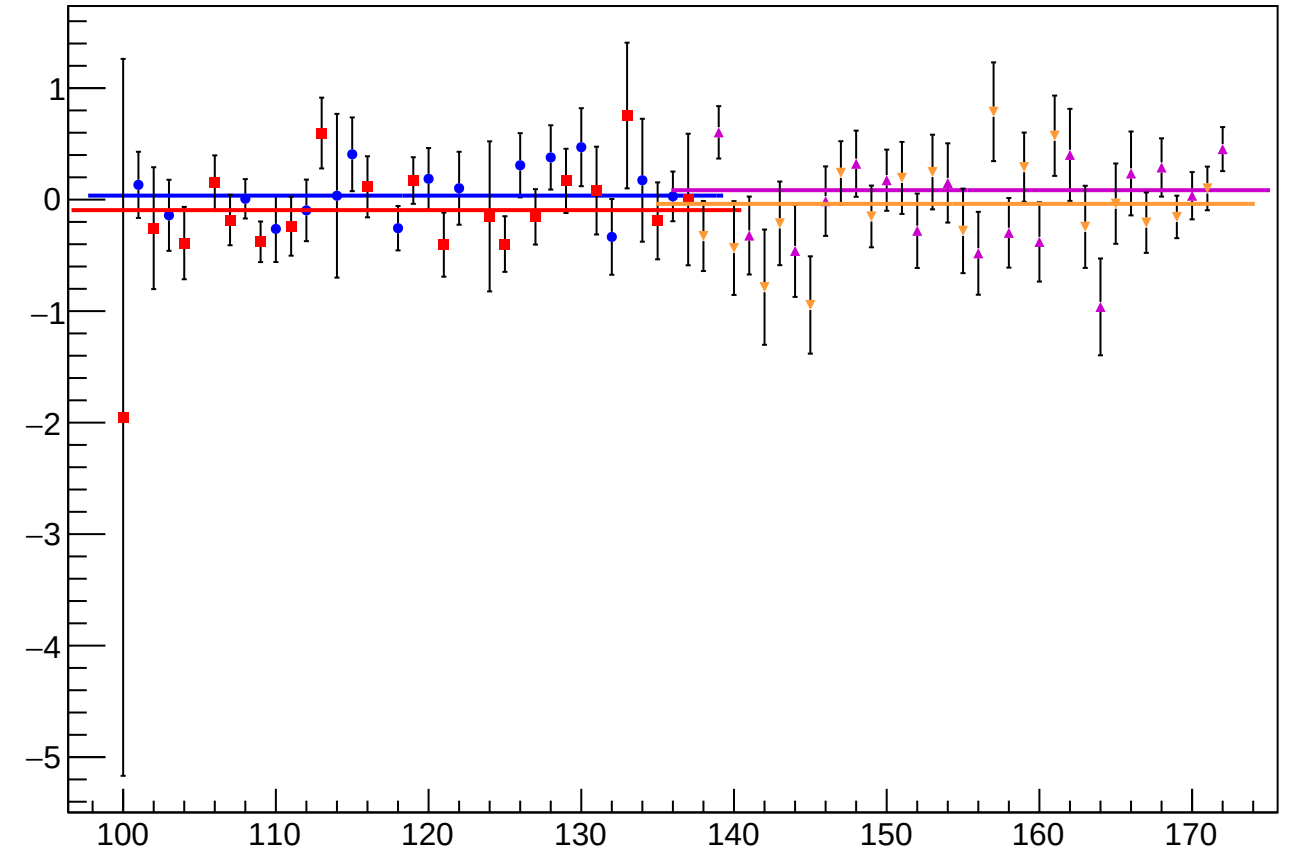
Left: 0.007+/-0.000 χ^2/NDF: 9153140.4/34

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:9395849.8/36

All: 0.007+/-0.000 χ^2/NDF: 18448321.4/69



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.038+/-0.073 χ^2/NDF:20.2/17

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: 0.024+/-0.051 χ^2/NDF: 47.9/34

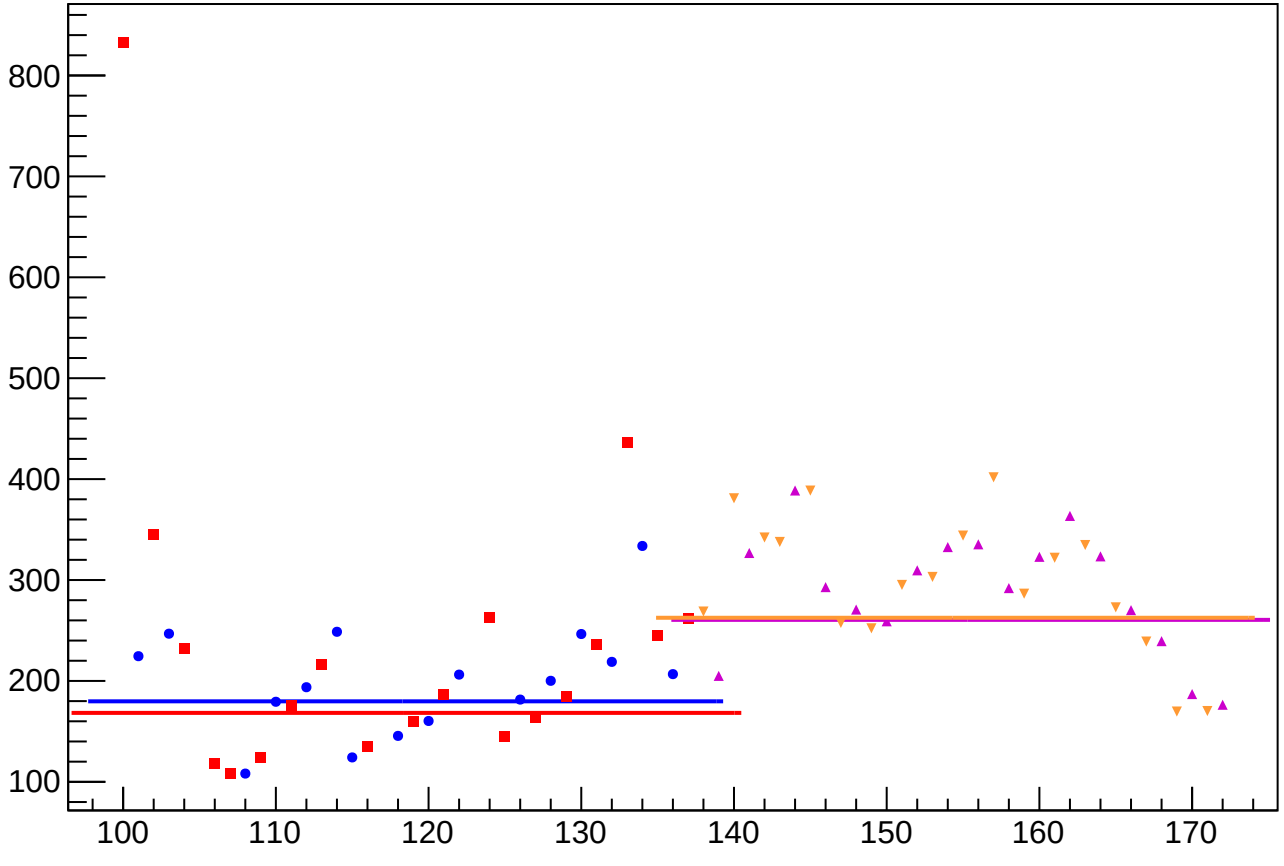
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.060+/-0.051 χ^2/NDF:37.0/32

Out: -0.068+/-0.050 χ^2/NDF:38.1/36

All: -0.006+/-0.035 χ^2/NDF: 78.4/69

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: 262.598+/-0.052 χ^2/NDF:1877250.4/17

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 260.521+/-0.051 χ^2/NDF:1473874.0/16

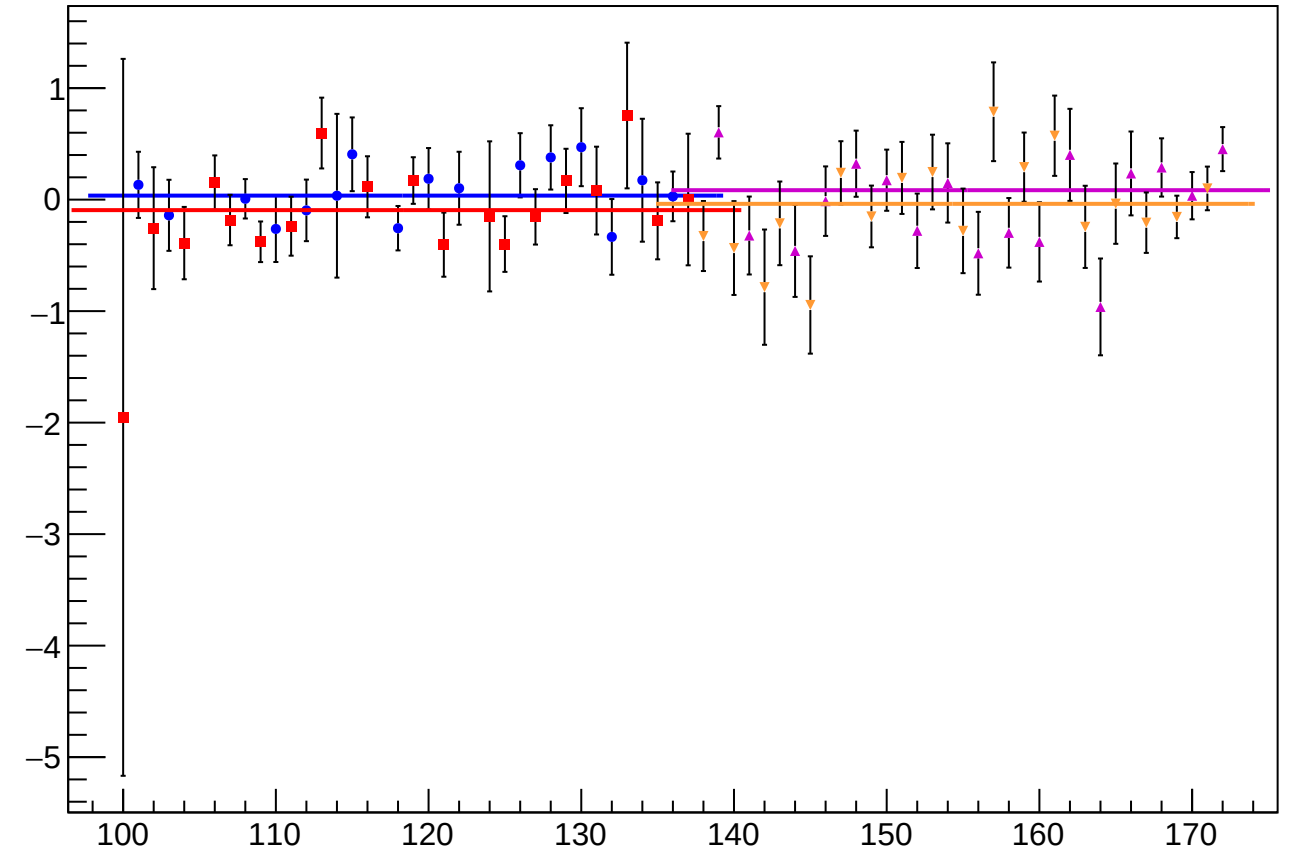
Left: 261.554+/-0.036 χ^2/NDF: 3351941.0/34

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 219.068+/-0.036 χ^2/NDF:3665434.2/32

Out: 211.957+/-0.035 χ^2/NDF:5084446.6/36

All: 215.441+/-0.025 χ^2/NDF: 8770043.8/69



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.038+/-0.073 χ^2/NDF:20.2/17

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: 0.024+/-0.051 χ^2/NDF: 47.9/34

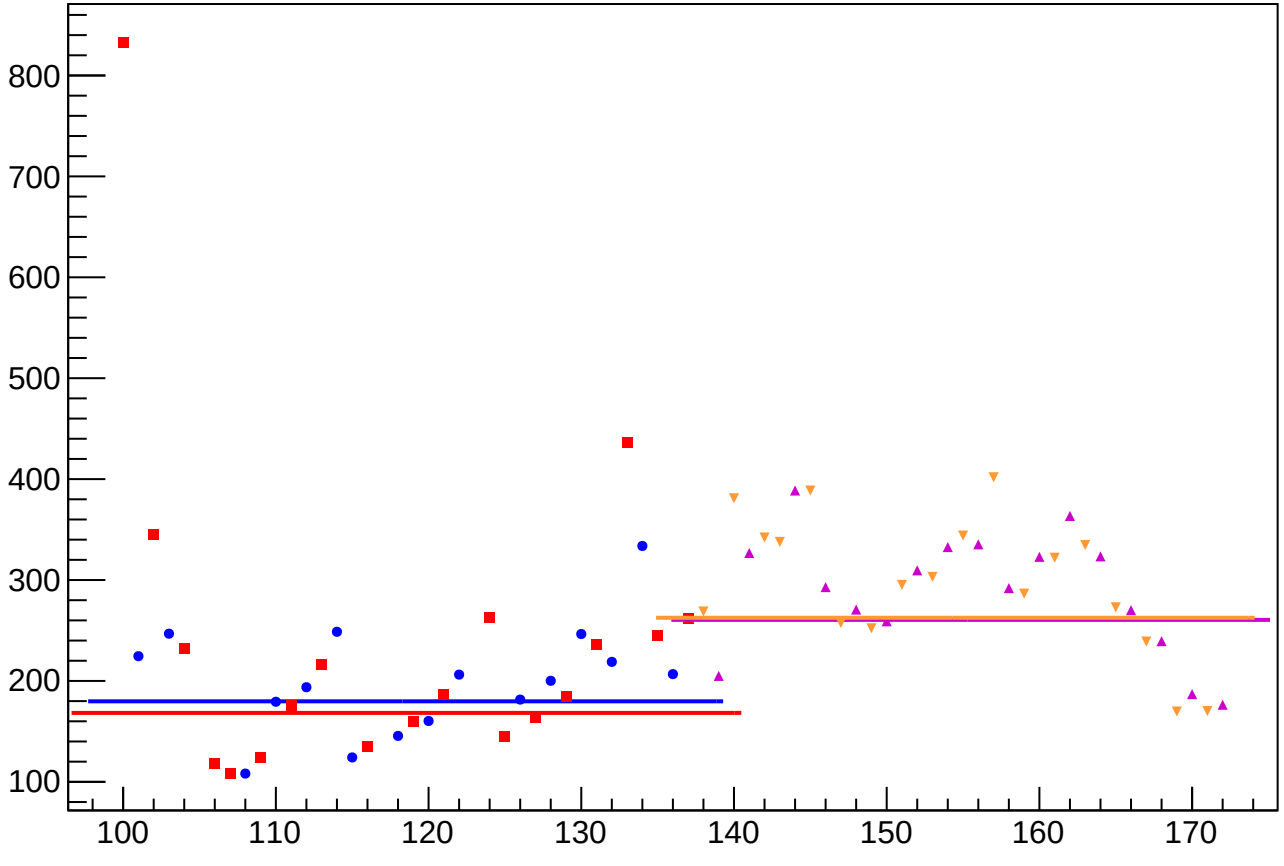
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.060+/-0.051 χ^2/NDF:37.0/32

Out: -0.068+/-0.050 χ^2/NDF:38.1/36

All: -0.006+/-0.035 χ^2/NDF: 78.4/69

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: 262.598+/-0.052 χ^2/NDF:1877250.4/17

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 260.521+/-0.051 χ^2/NDF:1473874.0/16

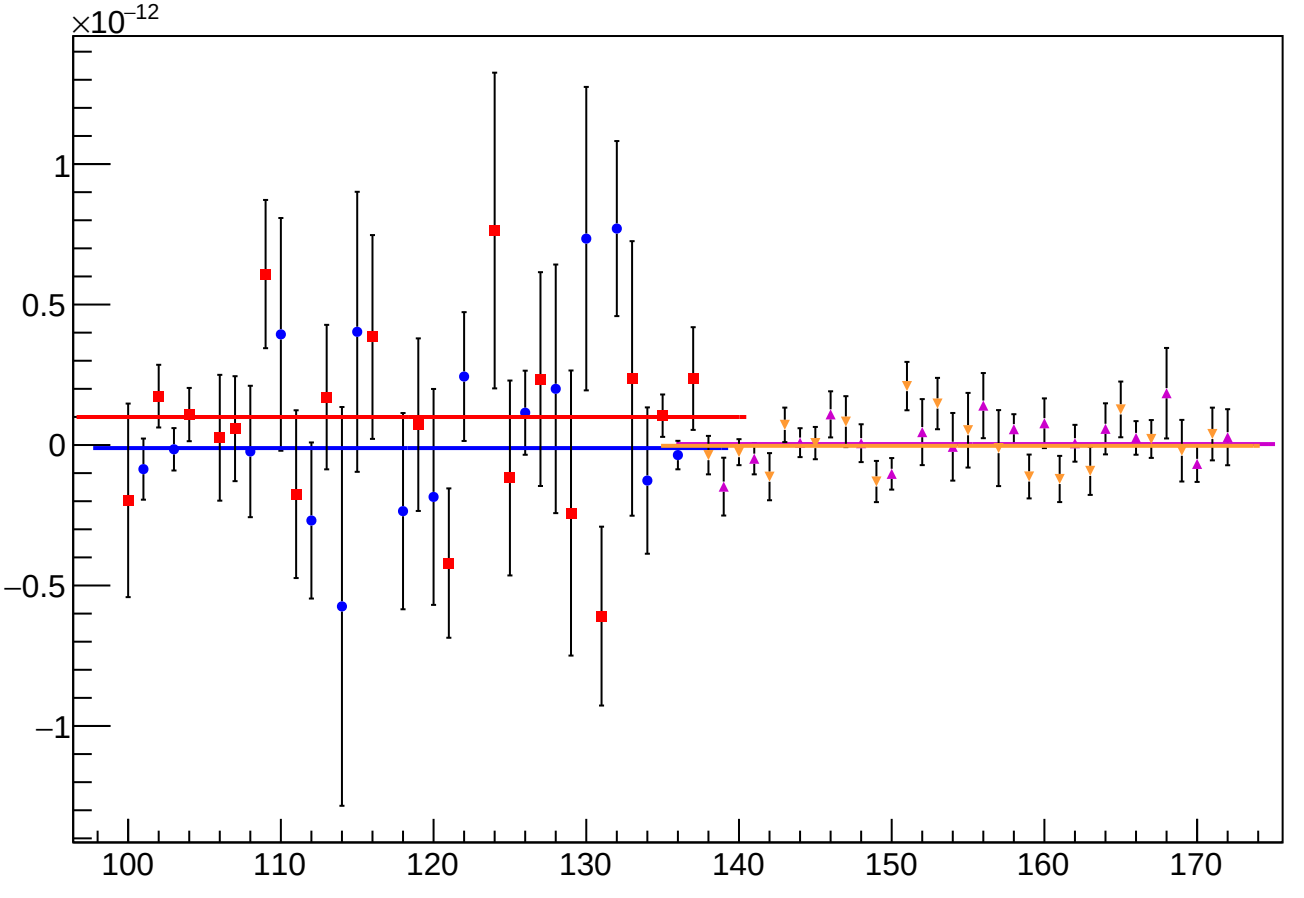
Left: 261.554+/-0.036 χ^2/NDF: 3351941.0/34

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 219.068+/-0.036 χ^2/NDF:3665434.2/32

Out: 211.957+/-0.035 χ^2/NDF:5084446.6/36

All: 215.441+/-0.025 χ^2/NDF: 8770043.8/69



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

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

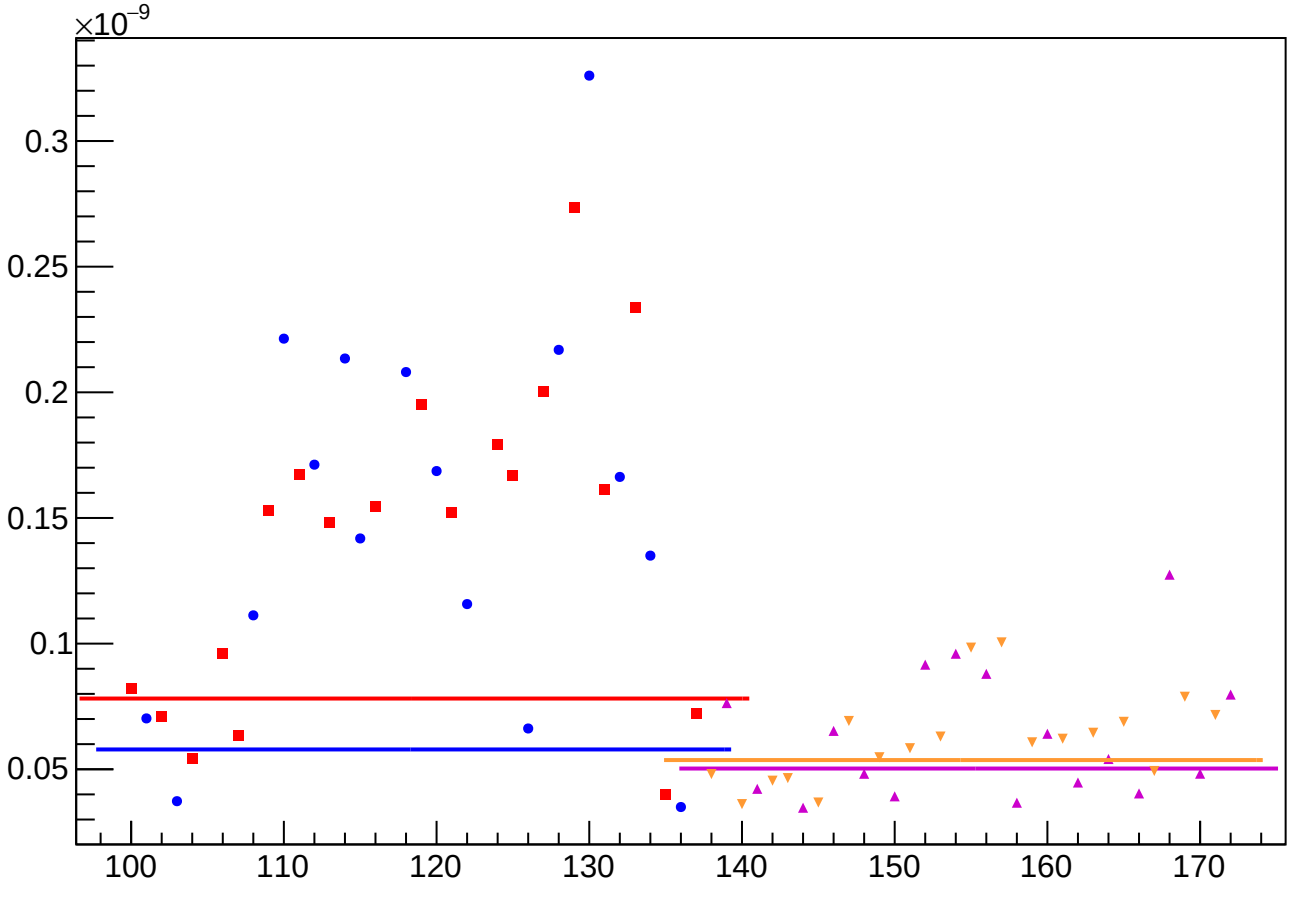
Left: 0.000+/-0.000 χ^2/NDF: 38.3/34

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:47.2/36

All: 0.000+/-0.000 χ^2/NDF: 77.2/69



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1376739.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2133304.5/16

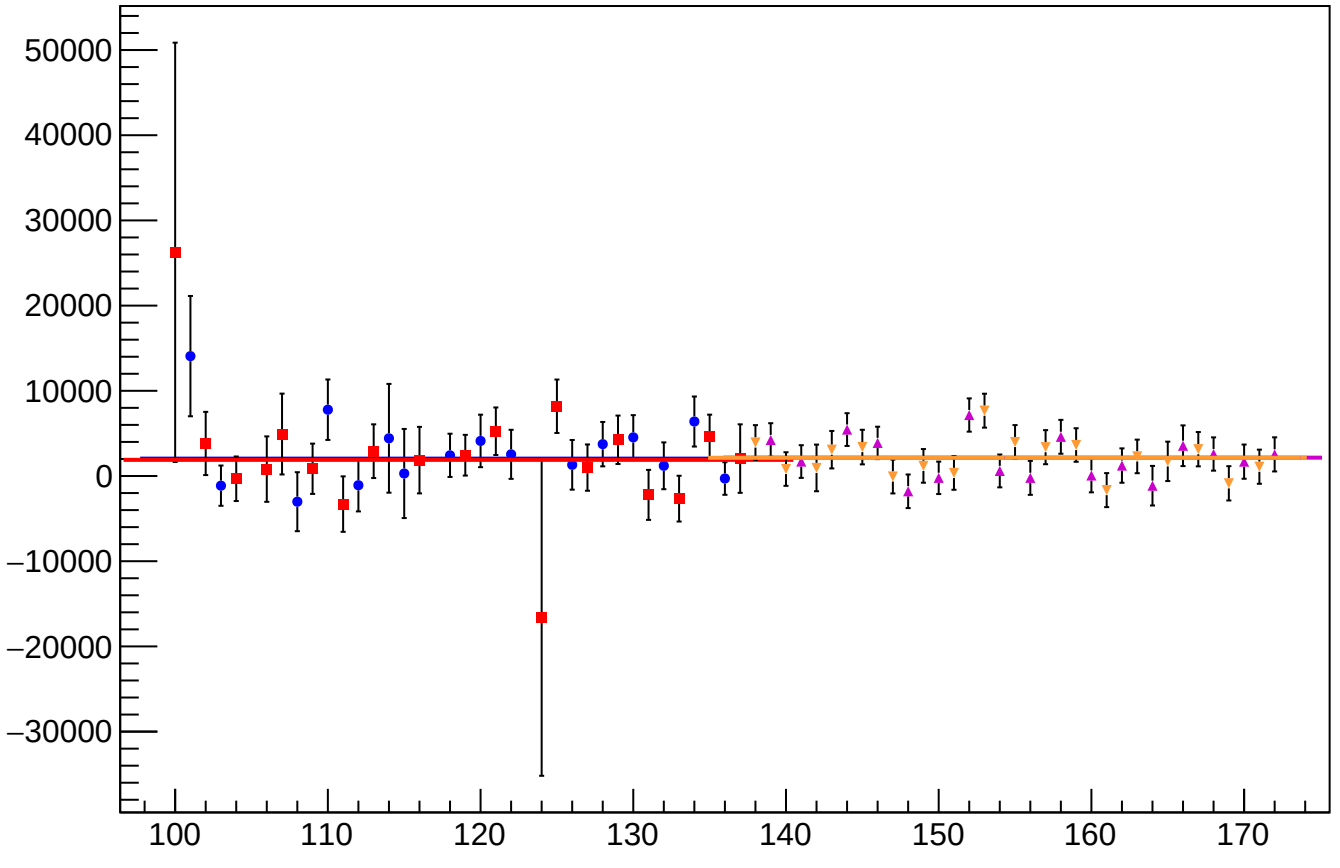
Left: 0.000+/-0.000 χ^2/NDF: 3545402.9/34

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:4678711.1/36

All: 0.000+/-0.000 χ^2/NDF: 10331286.3/69



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2139.418+/-482.276 χ^2/NDF:20.2/17

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: 2146.760+/-341.679 χ^2/NDF: 44.6/34

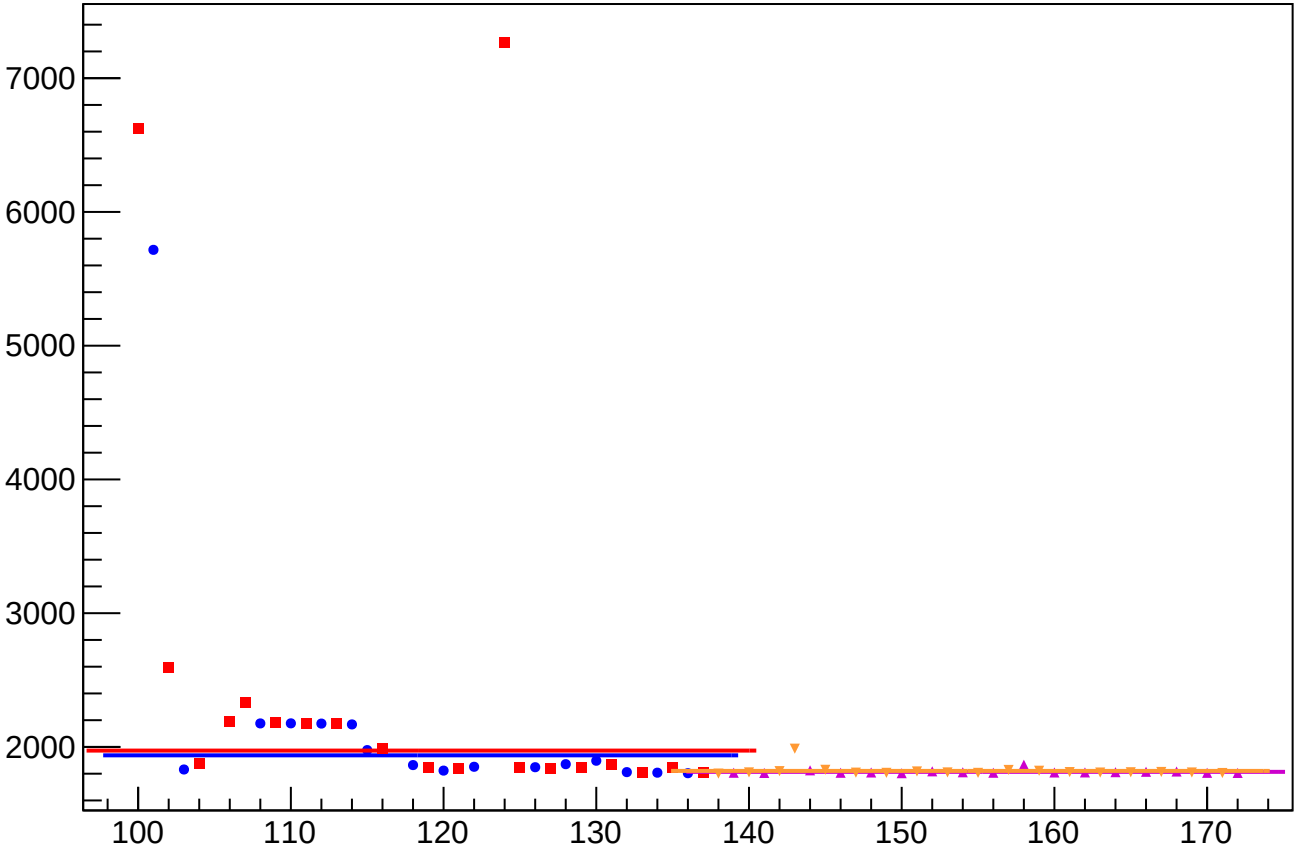
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2119.457+/-404.515 χ^2/NDF:40.9/32

Out: 2066.176+/-403.513 χ^2/NDF:38.8/36

All: 2092.750+/-285.680 χ^2/NDF: 79.7/69

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1820.785+/-0.341 χ^2/NDF:12481.3/17

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1813.729+/-0.342 χ^2/NDF:1786.5/16

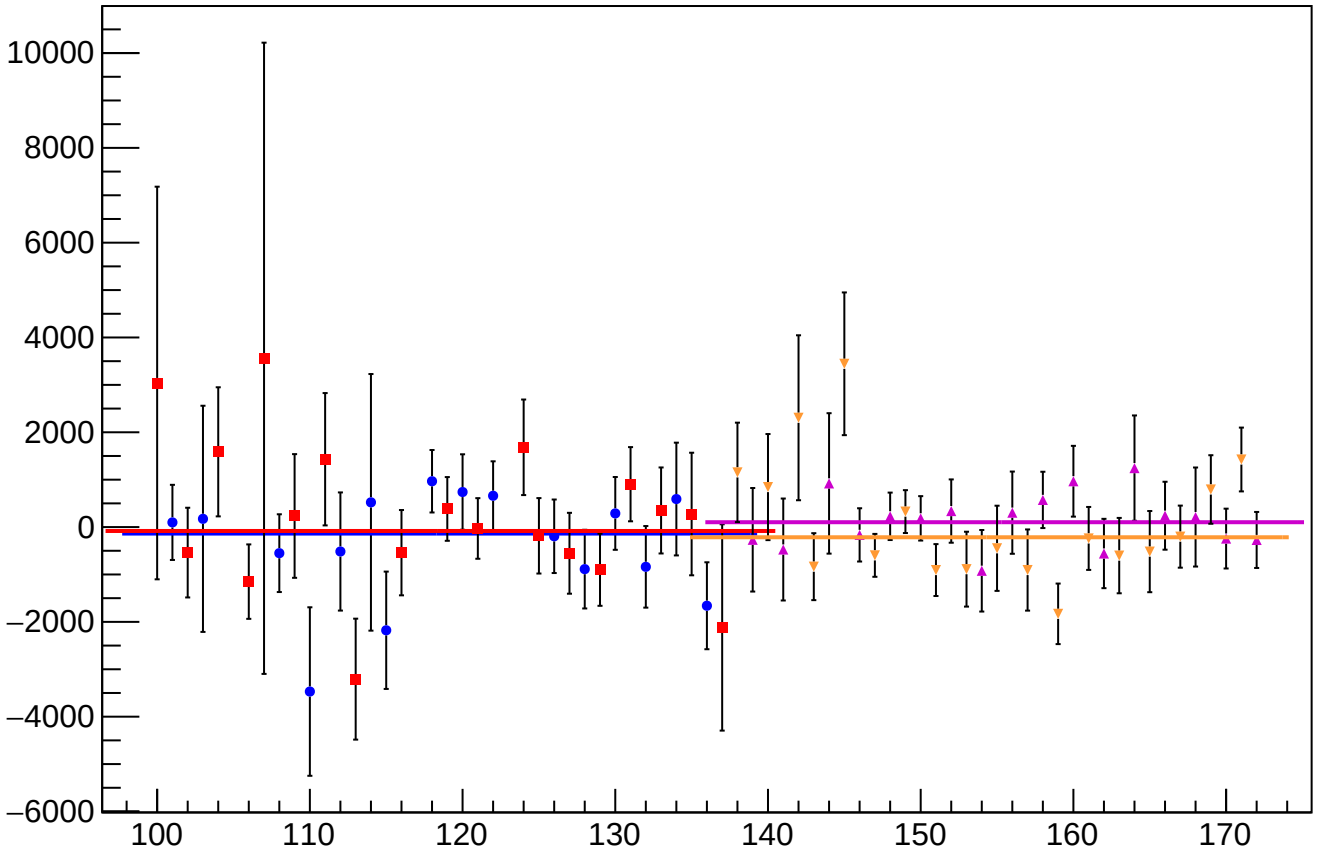
Left: 1817.271+/-0.242 χ^2/NDF: 14481.0/34

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1851.021+/-0.286 χ^2/NDF:679182.4/32

Out: 1866.371+/-0.285 χ^2/NDF:449590.9/36

All: 1858.715+/-0.202 χ^2/NDF: 1130216.9/69



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -215.041+/-166.862 χ^2/NDF:31.2/17

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: 102.578+/-170.620 χ^2/NDF:7.2/16

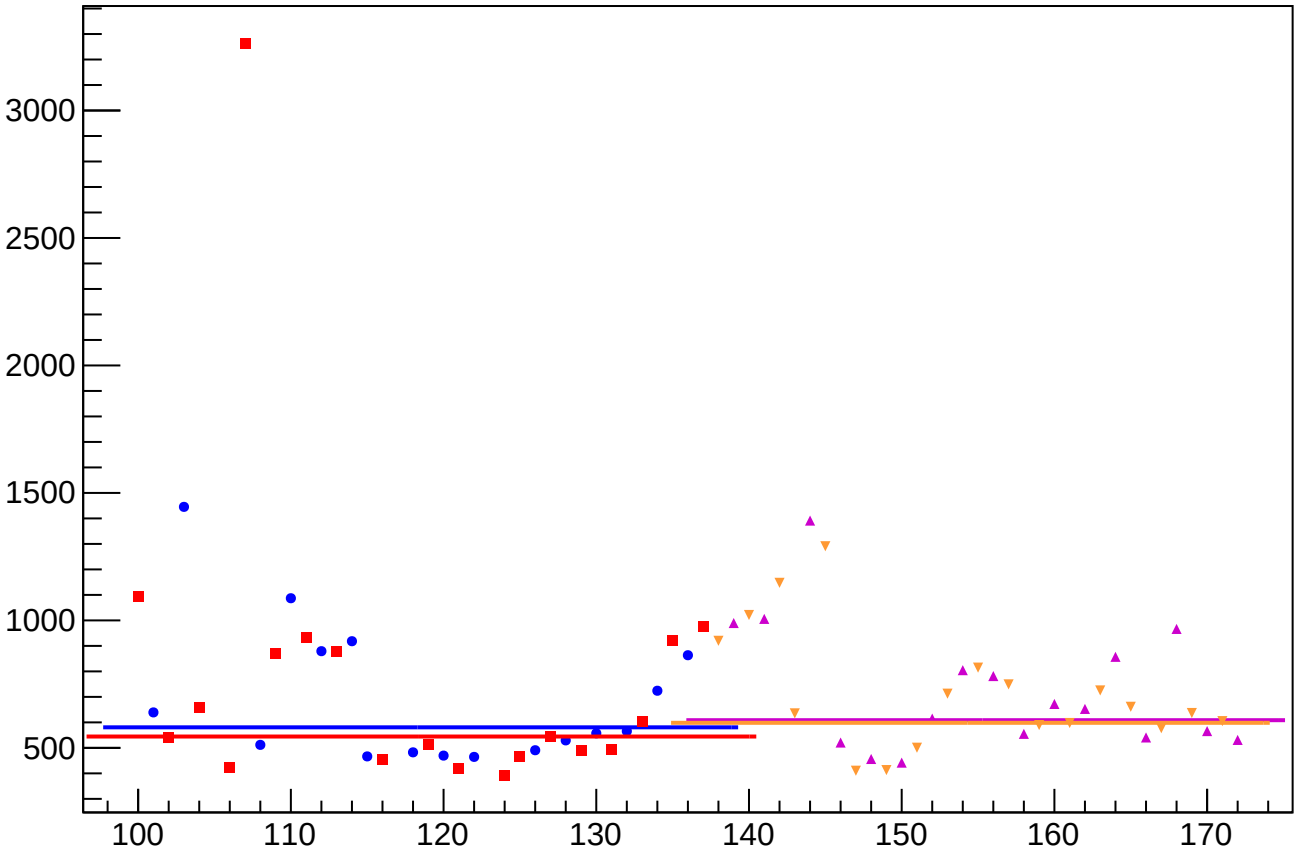
Left: -59.768+/-119.296 χ^2/NDF: 40.2/34

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: 17.867+/-137.123 χ^2/NDF:24.8/32

Out: -167.125+/-133.389 χ^2/NDF:51.2/36

All: -77.182+/-95.613 χ^2/NDF: 76.9/69



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 598.327+/-0.118 χ^2/NDF:2136278.0/17

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: 603.339+/-0.084 χ^2/NDF: 4319702.4/34

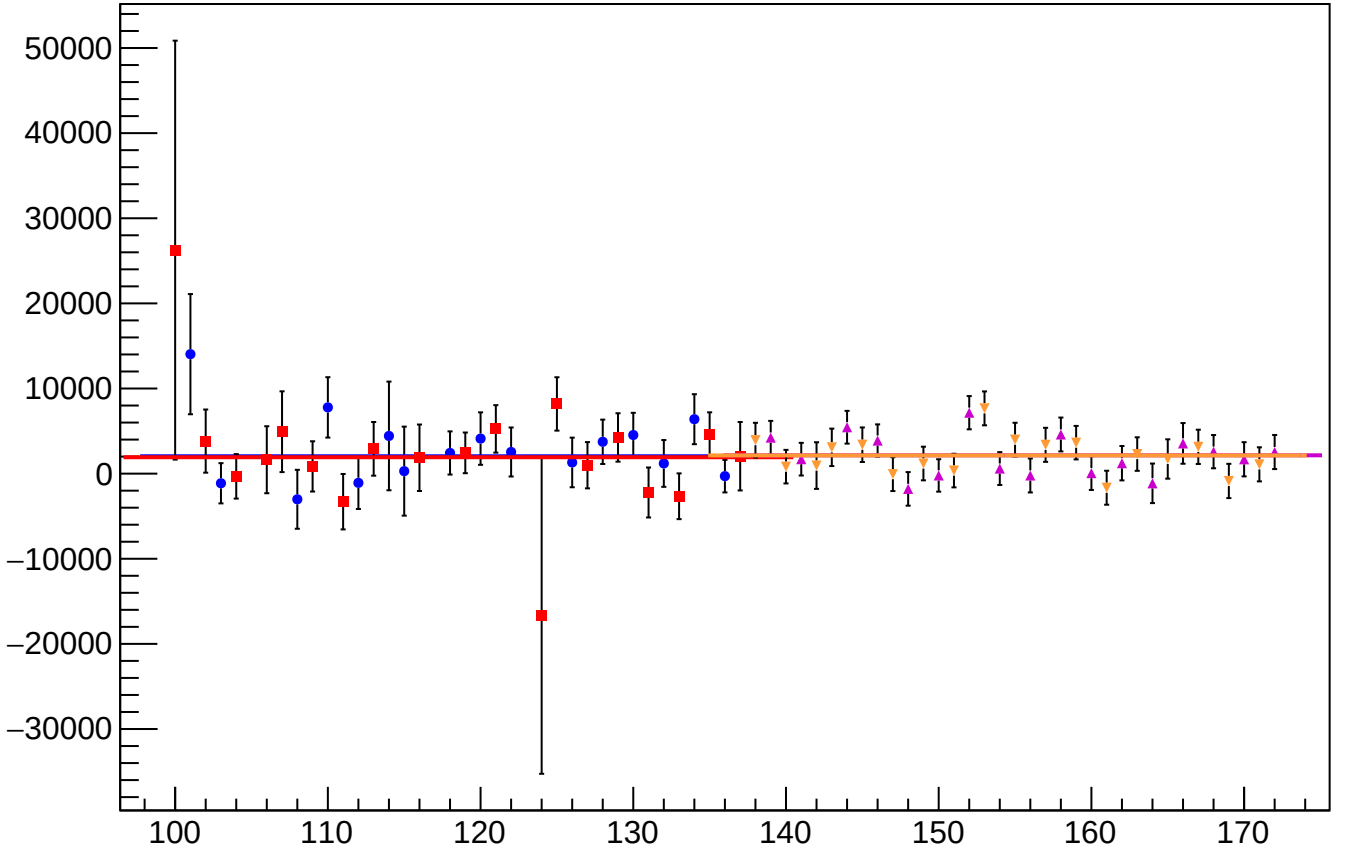
Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 598.675+/-0.097 χ^2/NDF:3202174.6/32

Out: 578.909+/-0.094 χ^2/NDF:3498961.0/36

All: 588.519+/-0.068 χ^2/NDF: 6722488.9/69

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2139.396+/-482.276 χ^2/NDF:20.2/17

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: 2146.776+/-341.679 χ^2/NDF: 44.6/34

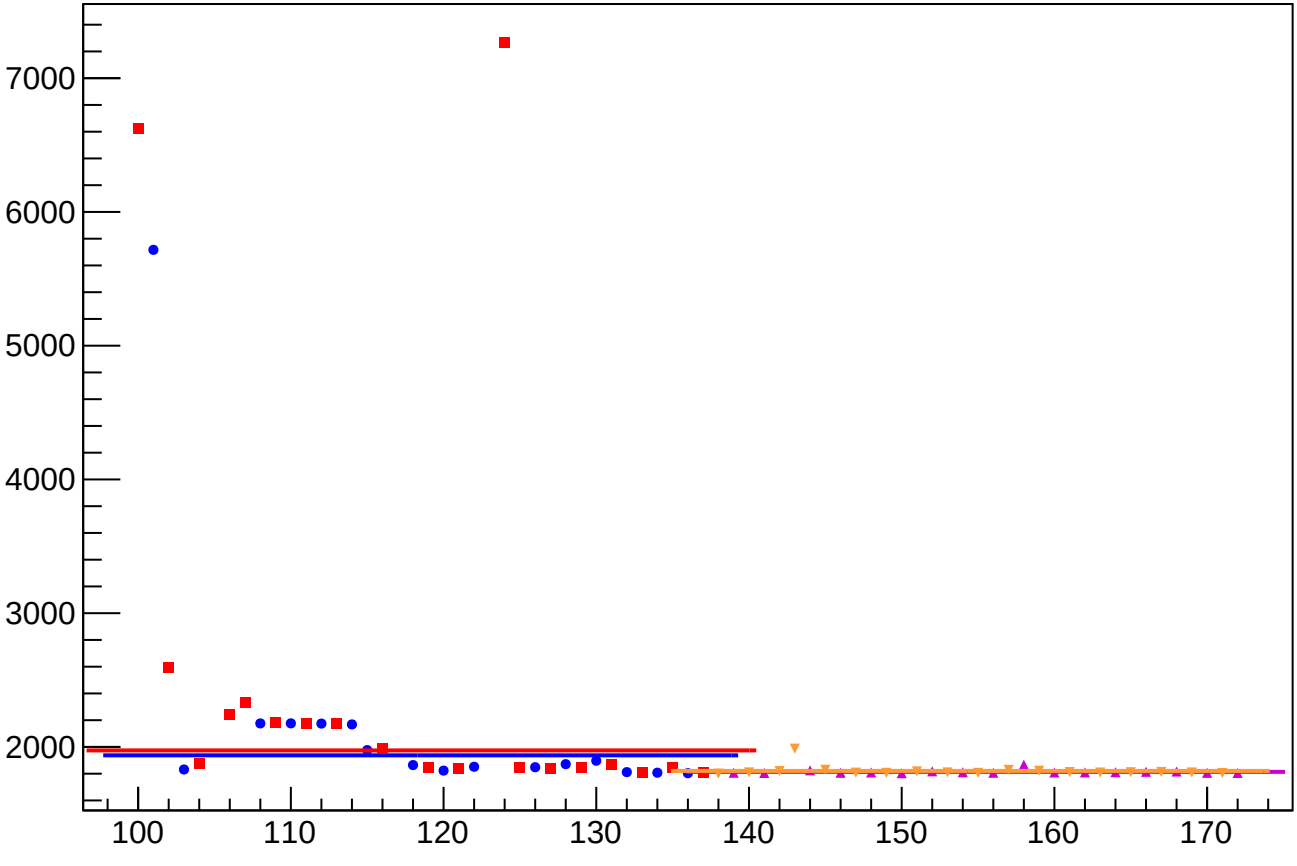
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2119.383+/-404.515 χ^2/NDF:40.9/32

Out: 2075.544+/-403.619 χ^2/NDF:38.7/36

All: 2097.415+/-285.718 χ^2/NDF: 79.6/69

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1820.785+/-0.341 χ^2/NDF:12481.3/17

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1813.729+/-0.342 χ^2/NDF:1786.5/16

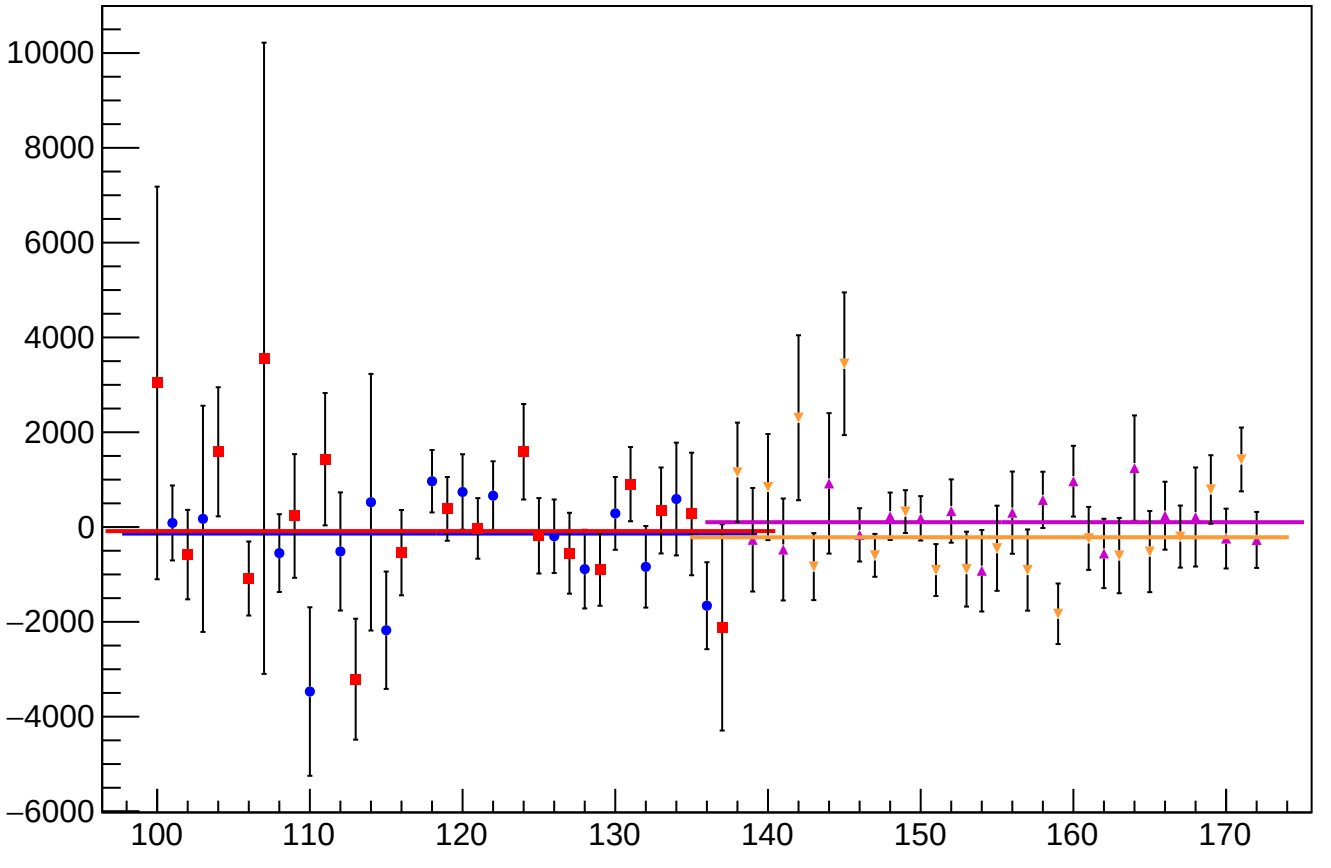
Left: 1817.271+/-0.242 χ^2/NDF: 14481.0/34

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1851.021+/-0.286 χ^2/NDF:679182.3/32

Out: 1866.733+/-0.285 χ^2/NDF:453508.1/36

All: 1858.894+/-0.202 χ^2/NDF: 1134202.5/69



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -215.091+/-166.862 χ^2/NDF:31.2/17

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 102.613+/-170.621 χ^2/NDF:7.2/16

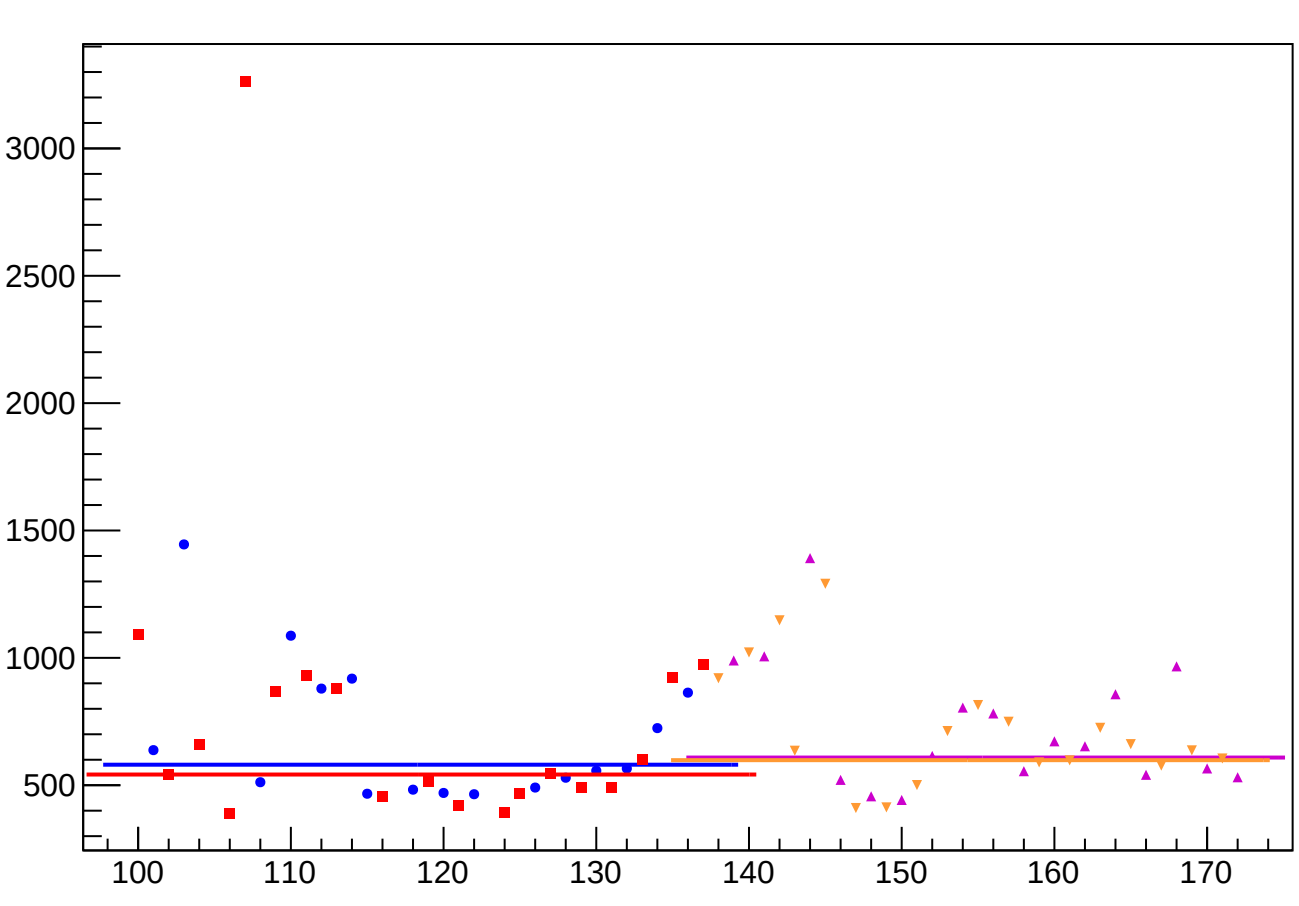
Left: -59.778+/-119.296 χ^2/NDF: 40.2/34

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 17.566+/-137.113 χ^2/NDF:24.8/32

Out: -168.077+/-133.359 χ^2/NDF:50.7/36

All: -77.832+/-95.599 χ^2/NDF: 76.4/69



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 598.325+/-0.118 χ^2/NDF:2136399.9/17

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 608.583+/-0.121 χ^2/NDF:2179779.6/16

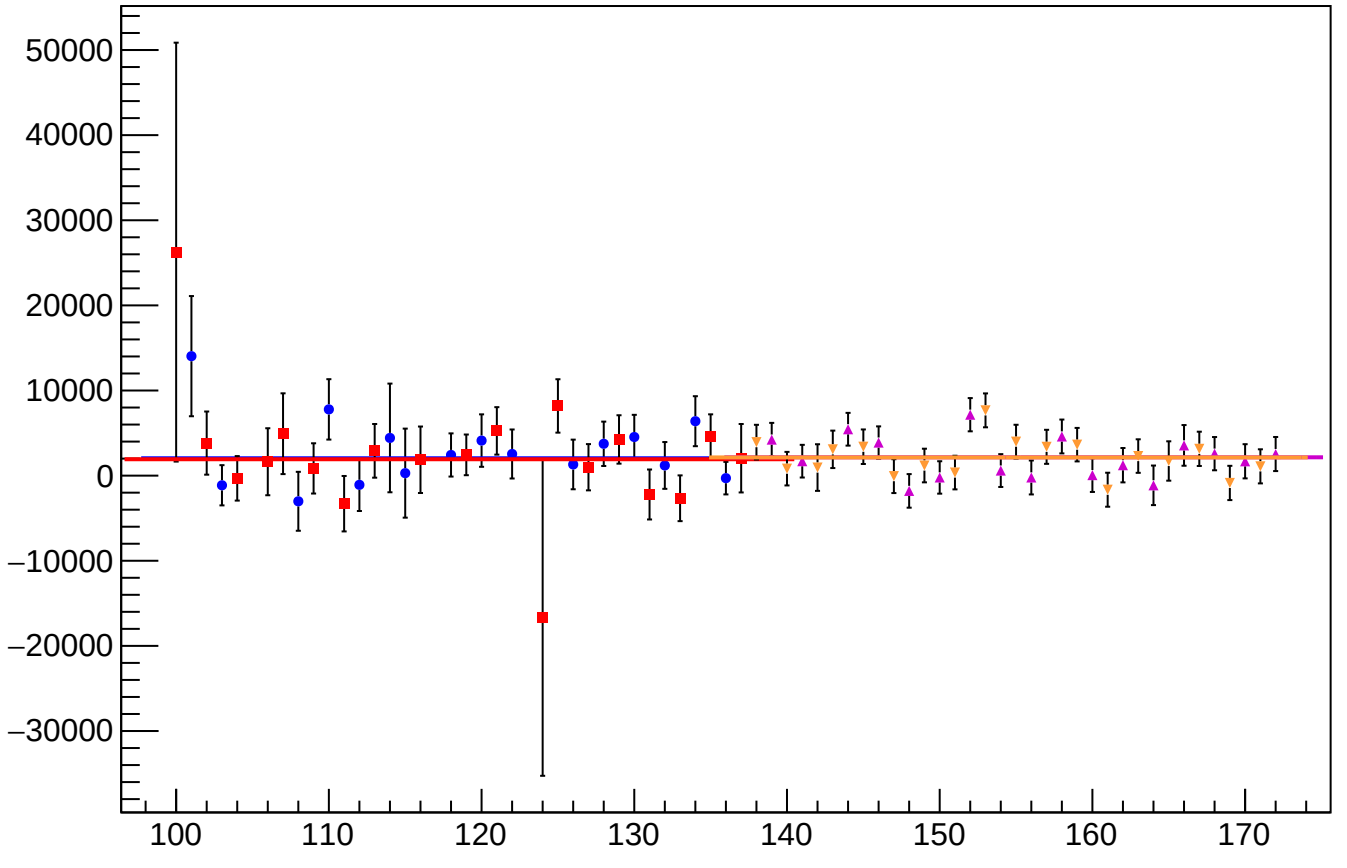
Left: 603.340+/-0.084 χ^2/NDF: 4319874.3/34

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 598.642+/-0.097 χ^2/NDF:3201846.2/32

Out: 577.956+/-0.094 χ^2/NDF:3537754.8/36

All: 588.012+/-0.068 χ^2/NDF: 6762995.2/69



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2139.396+/-482.276 χ^2/NDF:20.2/17

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2154.214+/-484.145 χ^2/NDF:24.5/16

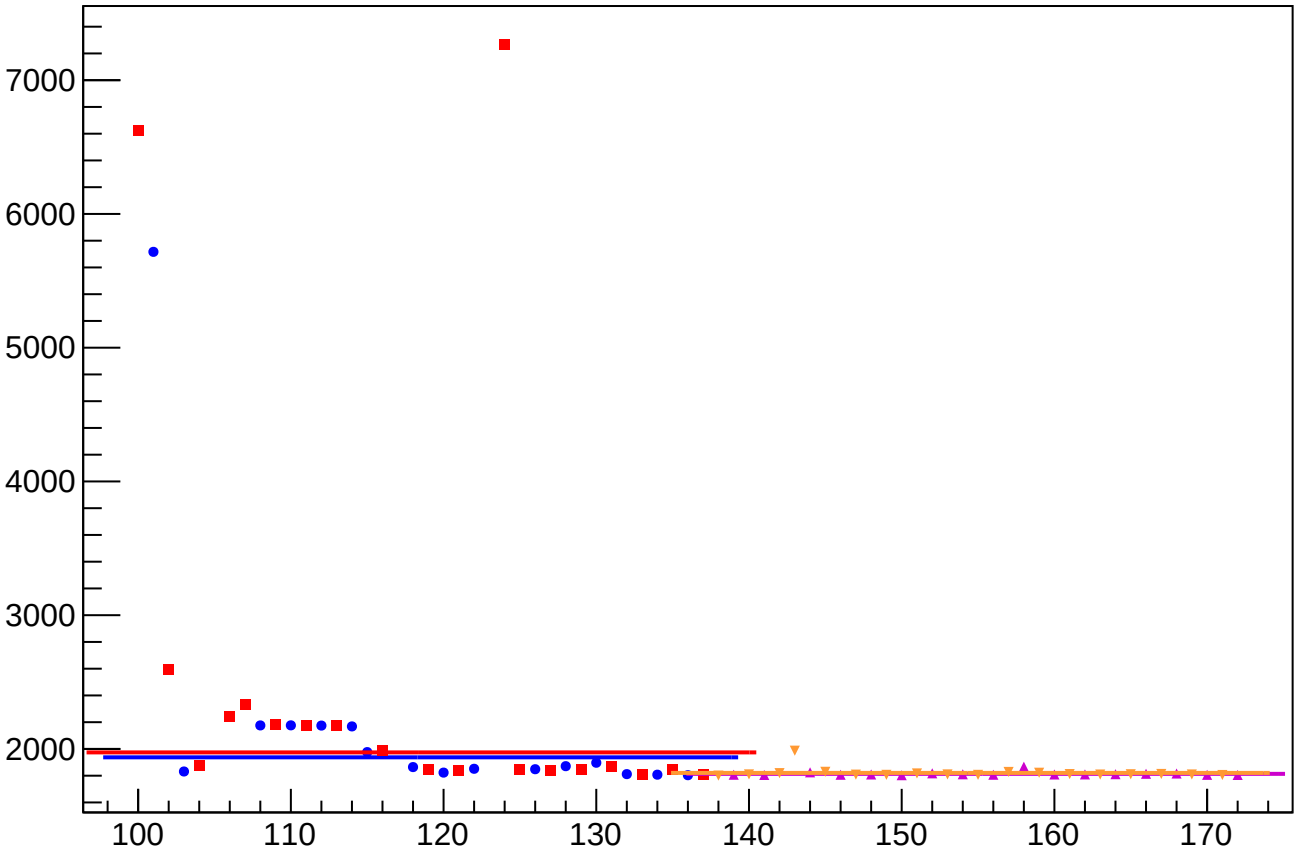
Left: 2146.776+/-341.679 χ^2/NDF: 44.6/34

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2119.383+/-404.515 χ^2/NDF:40.9/32

Out: 2075.544+/-403.619 χ^2/NDF:38.7/36

All: 2097.415+/-285.718 χ^2/NDF: 79.6/69



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1820.785+/-0.341 χ^2/NDF:12481.3/17

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: 1817.271+/-0.242 χ^2/NDF: 14481.0/34

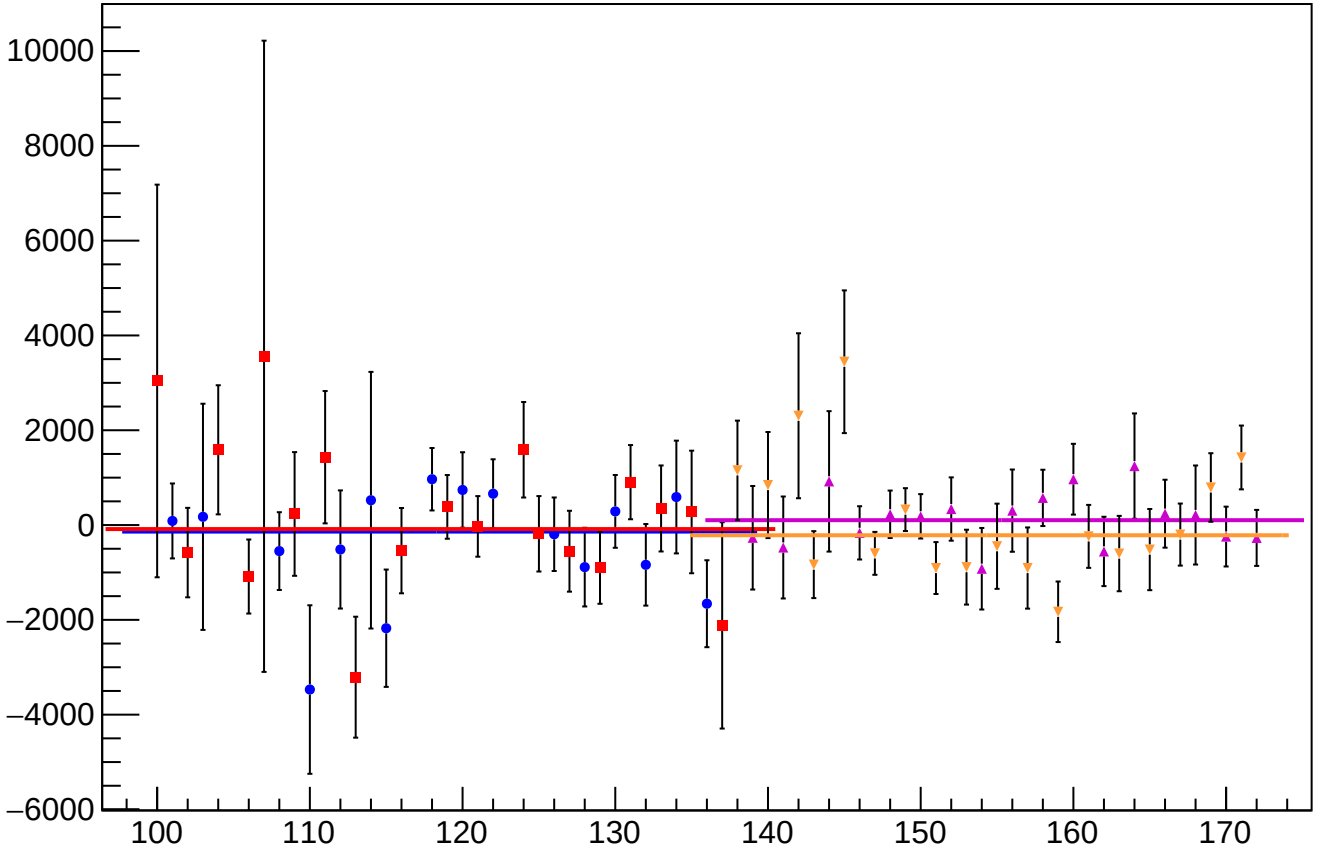
Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1851.021+/-0.286 χ^2/NDF:679182.3/32

Out: 1866.733+/-0.285 χ^2/NDF:453508.1/36

All: 1858.894+/-0.202 χ^2/NDF: 1134202.5/69

asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -215.091+/-166.862 χ^2/NDF:31.2/17

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: -59.778+/-119.296 χ^2/NDF: 40.2/34

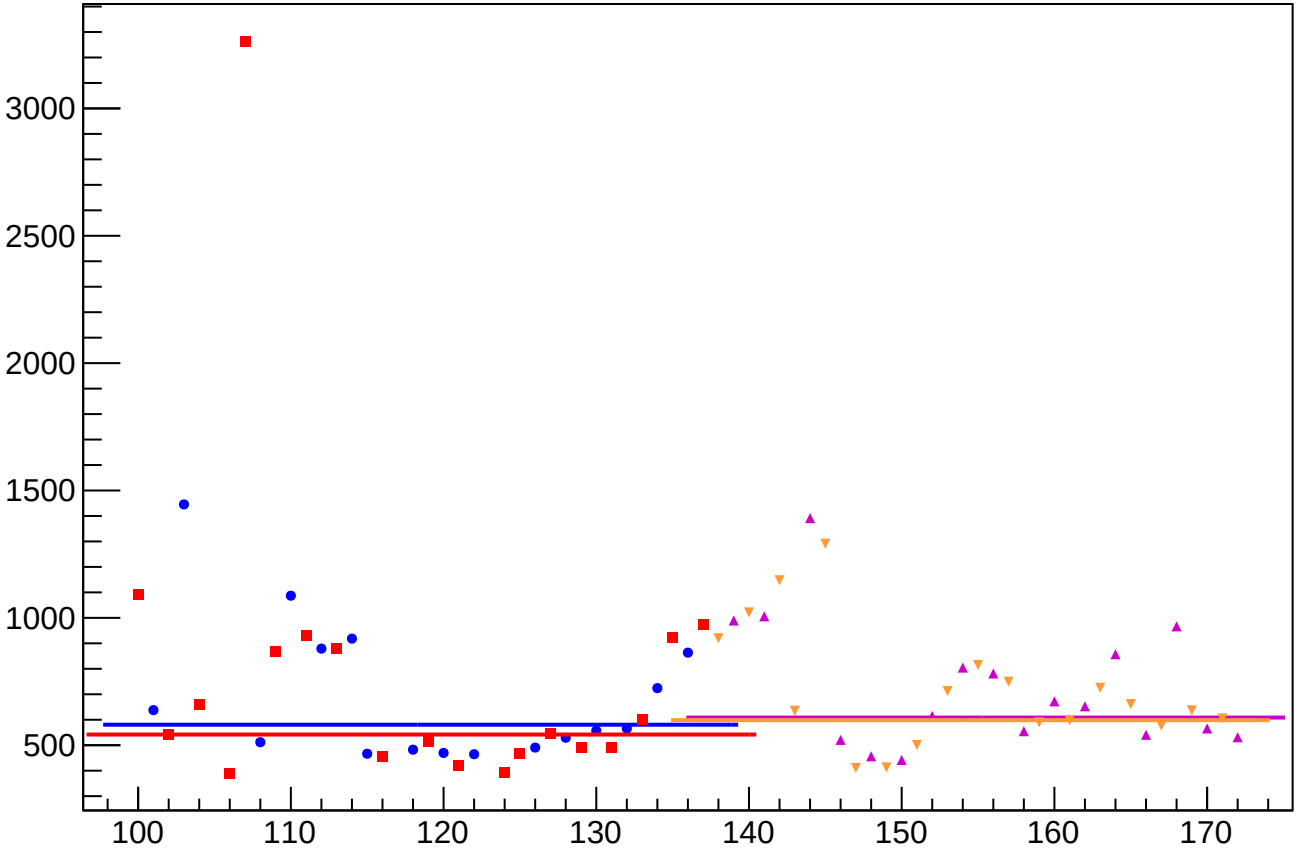
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 17.566+/-137.113 χ^2/NDF:24.8/32

Out: -168.077+/-133.359 χ^2/NDF:50.7/36

All: -77.832+/-95.599 χ^2/NDF: 76.4/69

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: 598.325+/-0.118 χ^2/NDF:2136399.9/17

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: 603.340+/-0.084 χ^2/NDF: 4319874.3/34

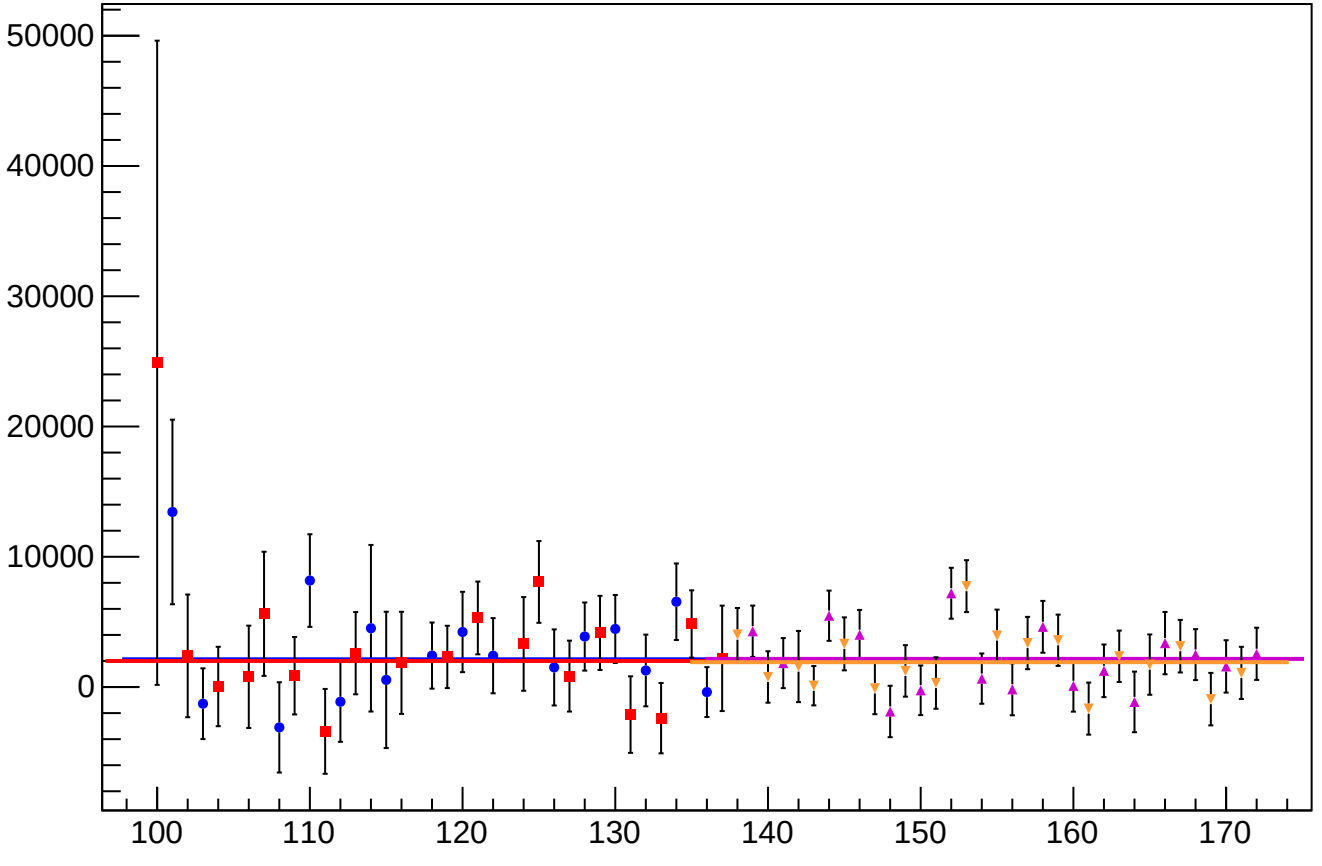
Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 598.642+/-0.097 χ^2/NDF:3201846.2/32

Out: 577.956+/-0.094 χ^2/NDF:3537754.8/36

All: 588.012+/-0.068 χ^2/NDF: 6762995.2/69

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1909.896+/-470.240 χ^2/NDF:21.8/17

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: 2031.819+/-337.493 χ^2/NDF: 46.7/34

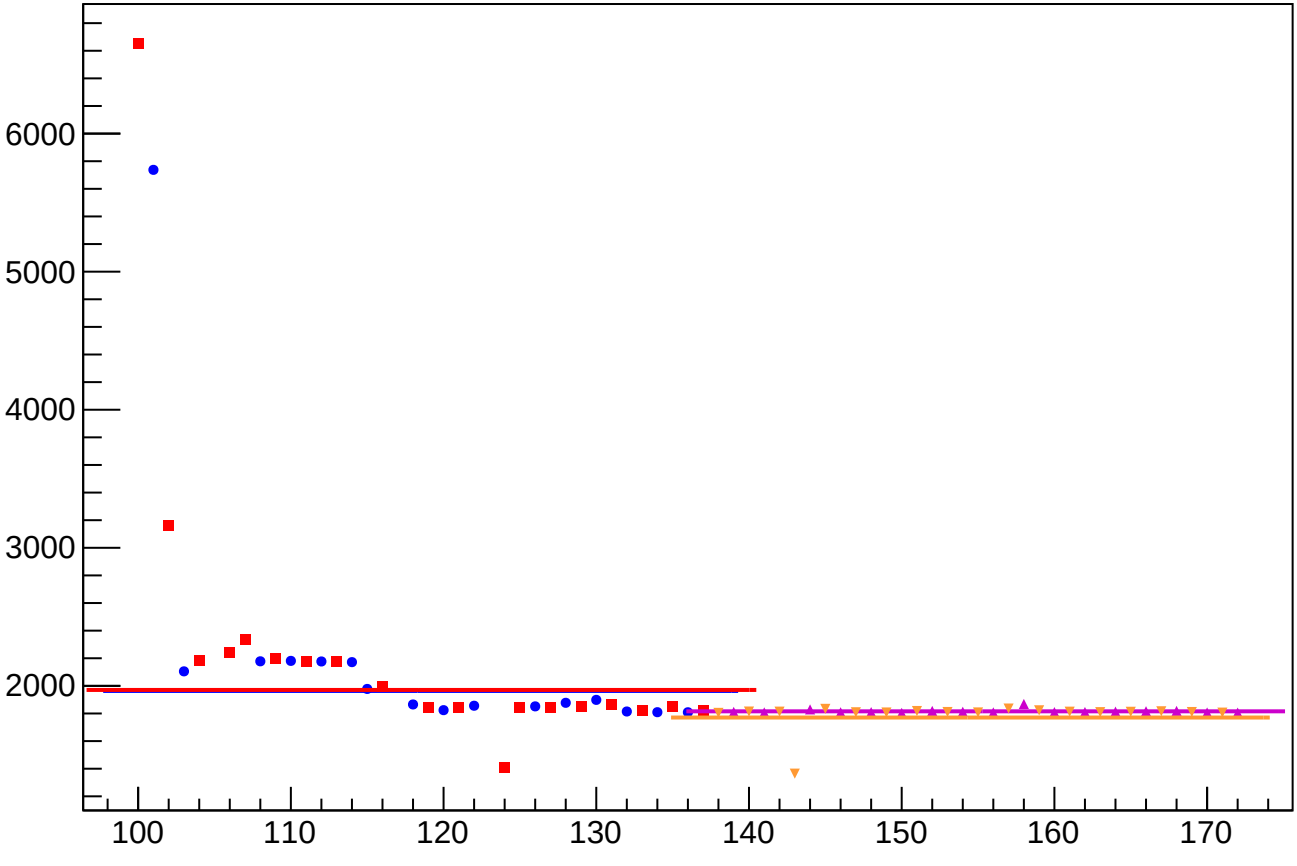
Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2151.668+/-406.461 χ^2/NDF:41.3/32

Out: 1936.597+/-396.451 χ^2/NDF:38.5/36

All: 2041.452+/-283.806 χ^2/NDF: 79.9/69

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1770.661+/-0.333 χ^2/NDF:161091.7/17

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1815.647+/-0.343 χ^2/NDF:1841.0/16

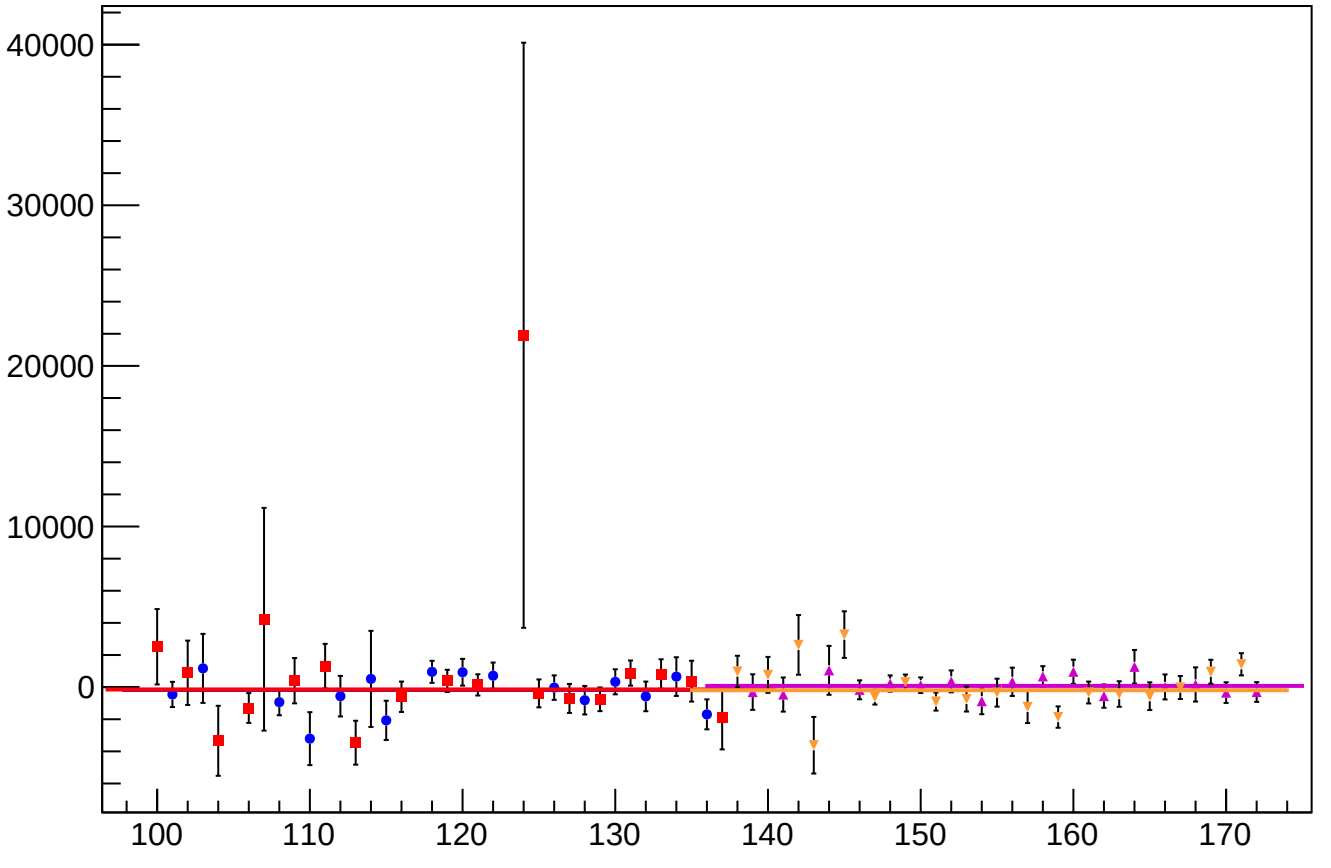
Left: 1792.475+/-0.239 χ^2/NDF: 171808.1/34

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1859.486+/-0.287 χ^2/NDF:697250.7/32

Out: 1828.445+/-0.280 χ^2/NDF:610646.0/36

All: 1843.579+/-0.201 χ^2/NDF: 1313874.0/69



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -192.084+/-176.633 χ^2/NDF:33.5/17

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: 76.942+/-174.853 χ^2/NDF:7.8/16

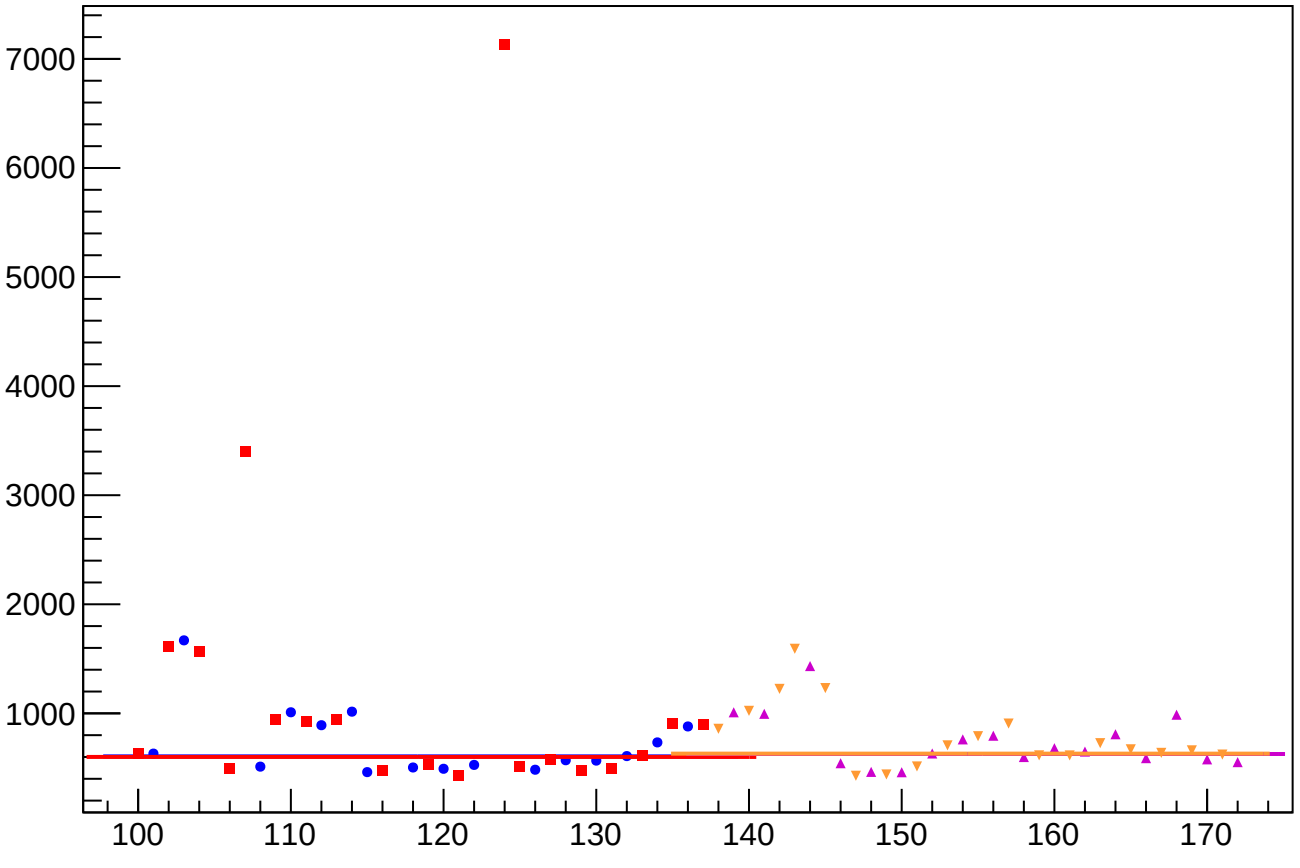
Left: -56.209+/-124.264 χ^2/NDF: 42.4/34

Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

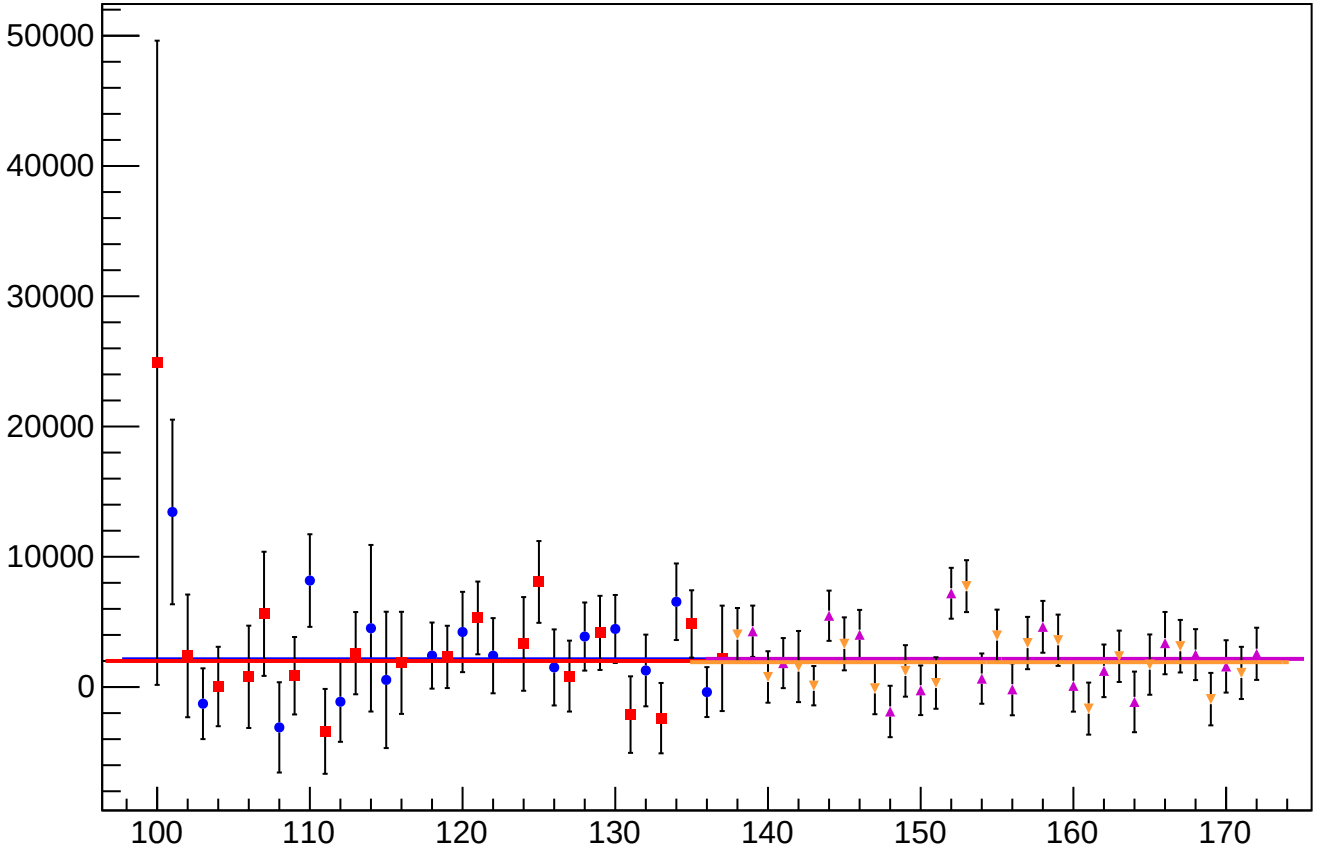
In: -10.411+/-140.685 χ^2/NDF:25.7/32

Out: -176.655+/-142.845 χ^2/NDF:53.6/36

All: -92.267+/-100.234 χ^2/NDF: 80.0/69


asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 605.430+/-0.168 χ²/NDF: 1162454.5/15
Left Out: 630.593+/-0.125 χ²/NDF:2546496.8/17
Right Out: 600.447+/-0.172 χ²/NDF: 2328523.8/18
Left In: 627.385+/-0.124 χ²/NDF:2004140.0/16
Left: 628.973+/-0.088 χ²/NDF: 4550969.9/34
Right: 603.000+/-0.120 χ²/NDF: 3491409.7/34
In: 619.643+/-0.099 χ²/NDF:3177714.6/32
Out: 620.163+/-0.101 χ²/NDF:4895177.0/36
All: 619.899+/-0.071 χ²/NDF: 8072905.0/69

eigen_dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1909.897+/-470.240 χ^2/NDF:21.8/17

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 2161.336+/-484.663 χ^2/NDF:24.8/16

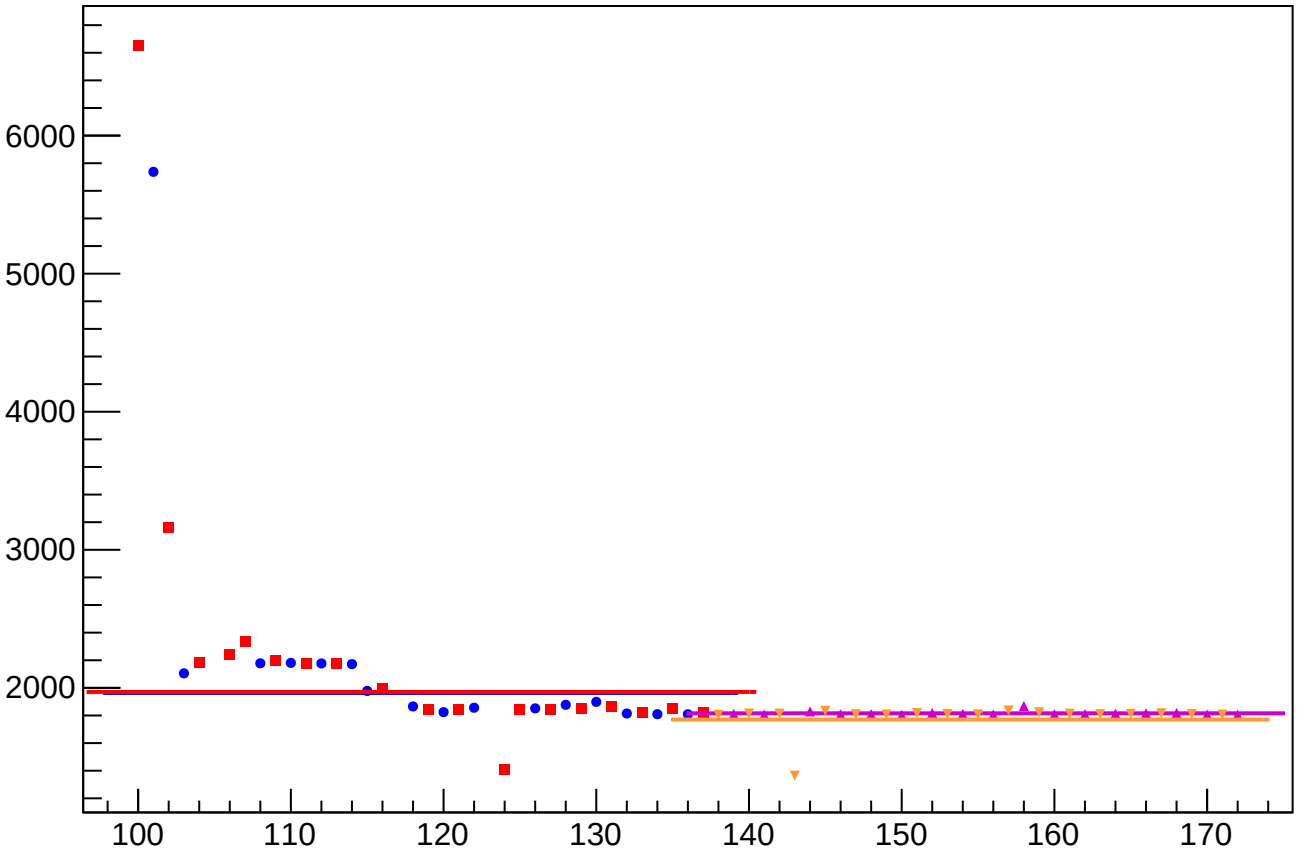
Left: 2031.820+/-337.493 χ^2/NDF: 46.7/34

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2151.668+/-406.461 χ^2/NDF:41.3/32

Out: 1936.597+/-396.451 χ^2/NDF:38.5/36

All: 2041.452+/-283.806 χ^2/NDF: 79.9/69



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1770.661+/-0.333 χ^2/NDF:161091.7/17

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: 1792.475+/-0.239 χ^2/NDF: 171808.1/34

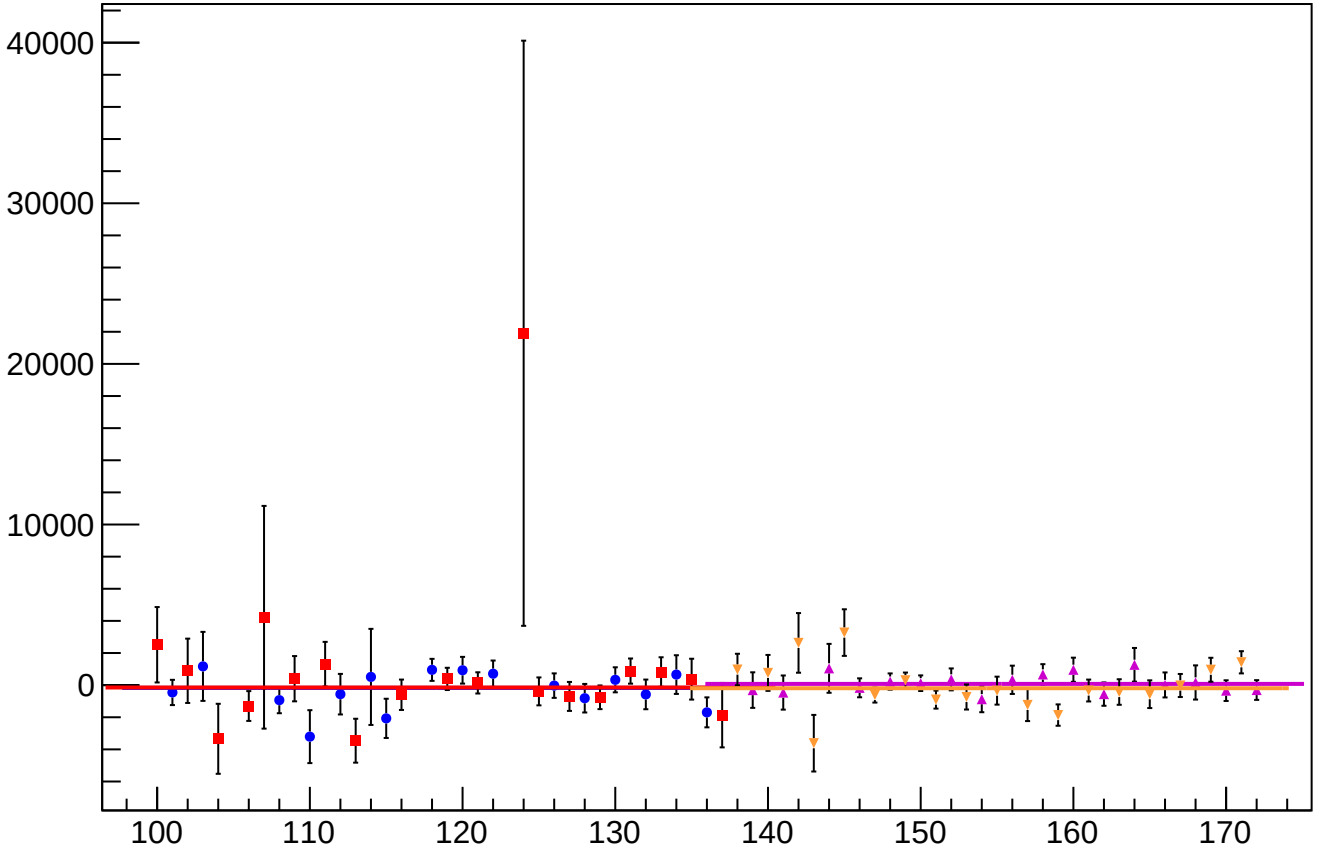
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1859.486+/-0.287 χ^2/NDF:697250.2/32

Out: 1828.445+/-0.280 χ^2/NDF:610644.4/36

All: 1843.578+/-0.201 χ^2/NDF: 1313872.0/69

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -192.085+/-176.633 χ^2/NDF:33.5/17

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: -56.209+/-124.265 χ^2/NDF: 42.4/34

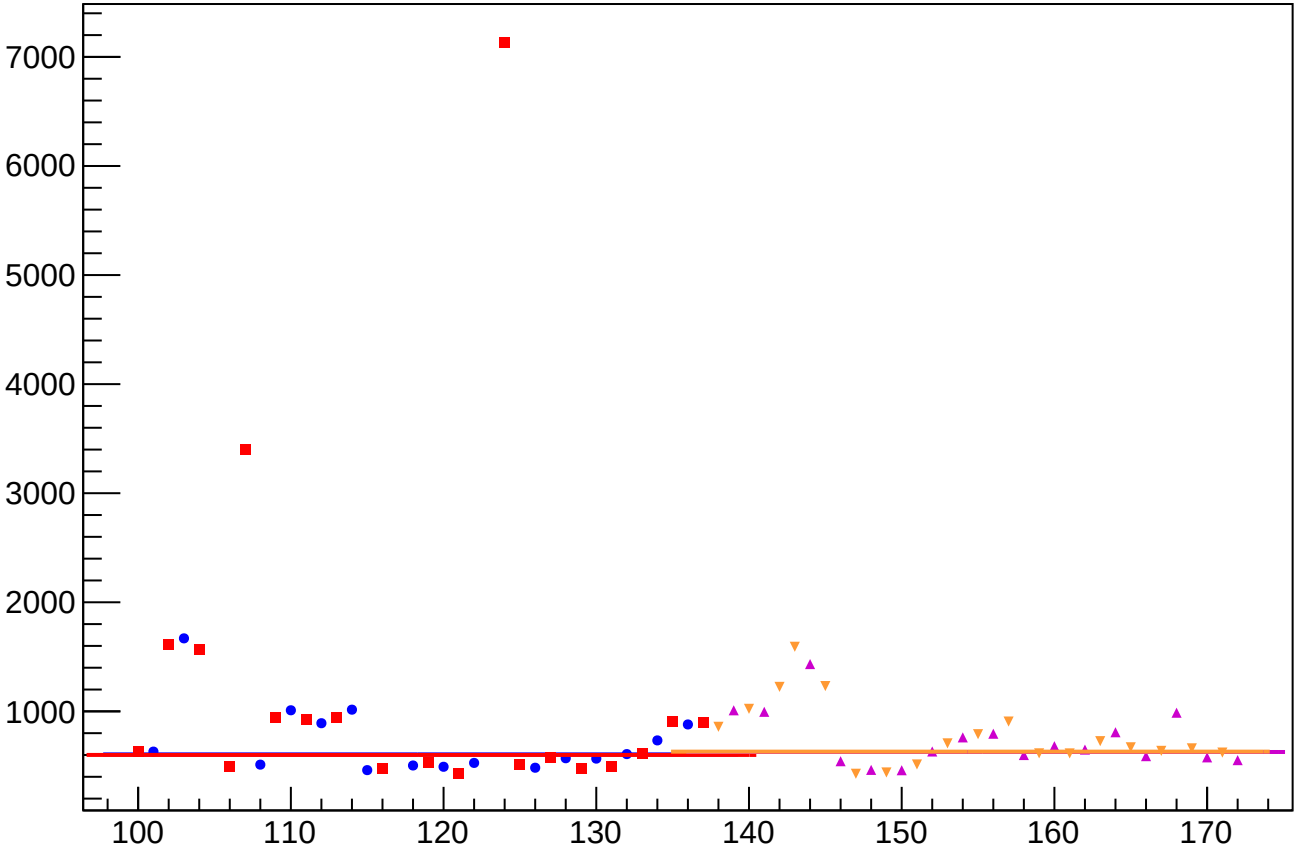
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -10.411+/-140.685 χ^2/NDF:25.7/32

Out: -176.655+/-142.845 χ^2/NDF:53.6/36

All: -92.267+/-100.234 χ^2/NDF: 80.0/69

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: 630.594+/-0.125 χ^2/NDF:2546488.9/17

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: 628.974+/-0.088 χ^2/NDF: 4550957.4/34

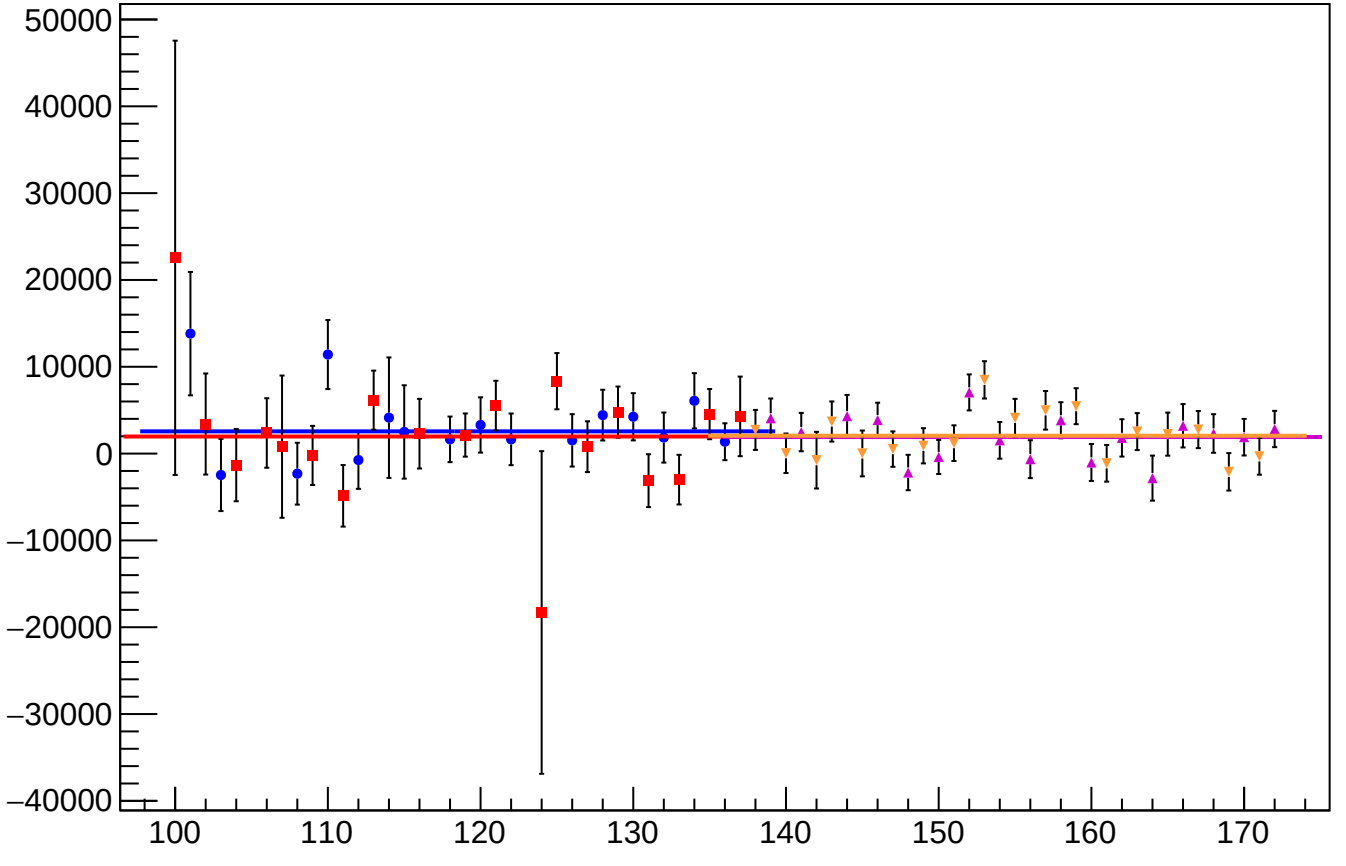
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 619.643+/-0.099 χ^2/NDF:3177720.0/32

Out: 620.163+/-0.101 χ^2/NDF:4895179.8/36

All: 619.899+/-0.071 χ^2/NDF: 8072913.2/69

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2055.741+/-523.233 χ^2/NDF:25.5/17

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: 1980.944+/-370.908 χ^2/NDF: 48.0/34

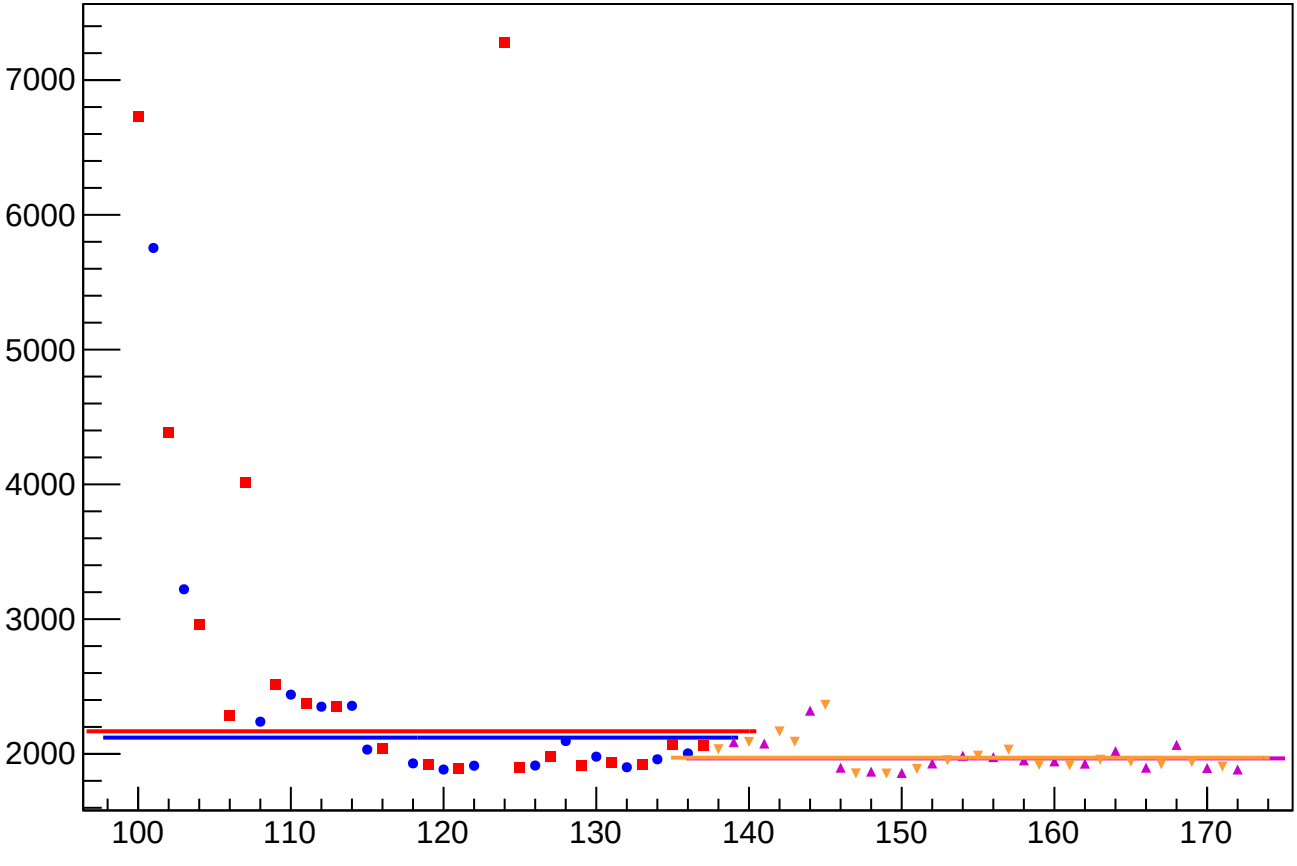
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2099.892+/-441.010 χ^2/NDF:37.5/32

Out: 2029.934+/-440.905 χ^2/NDF:47.1/36

All: 2064.905+/-311.804 χ^2/NDF: 84.6/69

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1971.680+/-0.370 χ^2/NDF:88232.3/17

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1966.621+/-0.372 χ^2/NDF:79146.2/16

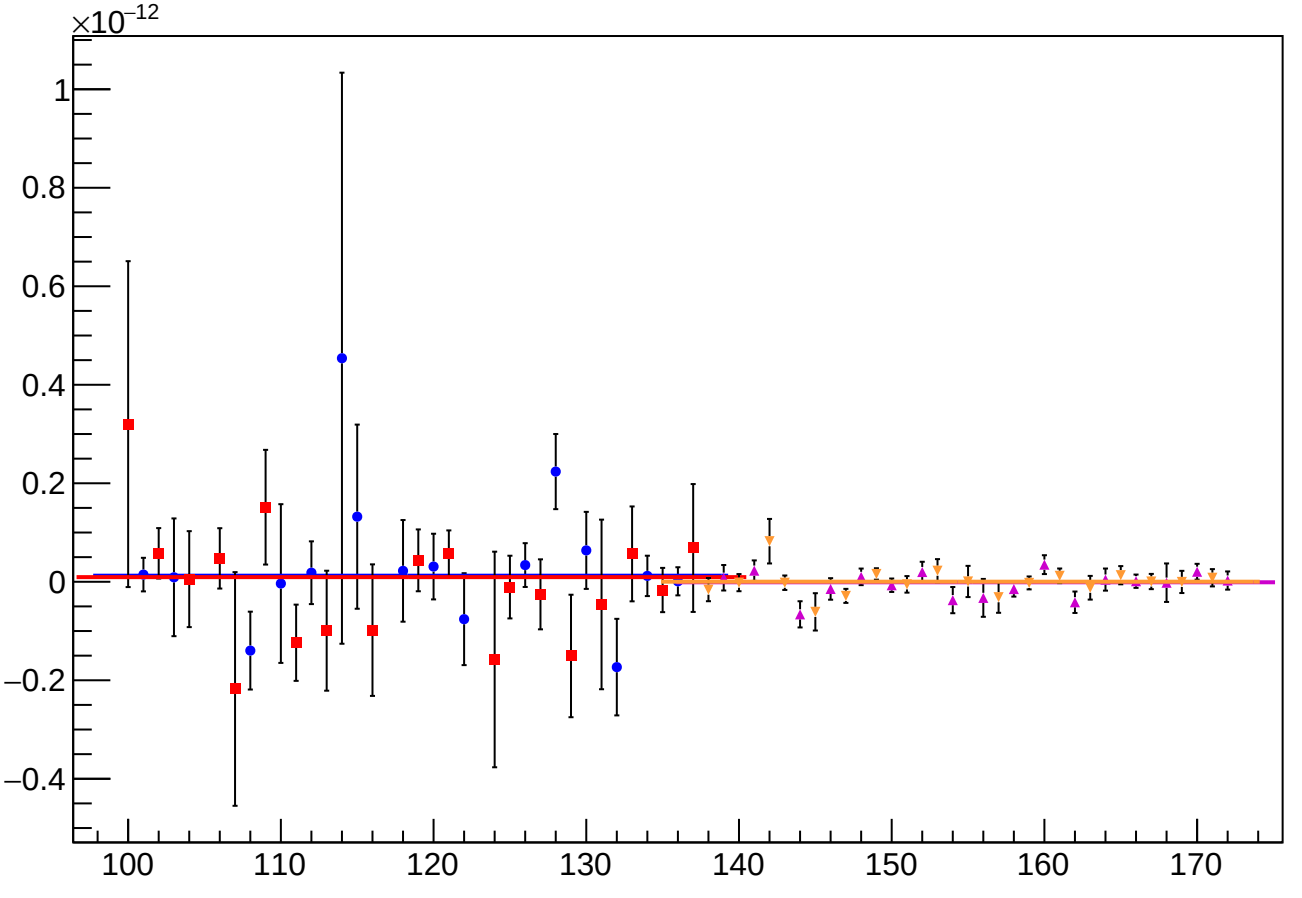
Left: 1969.163+/-0.262 χ^2/NDF: 167471.4/34

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2012.357+/-0.312 χ^2/NDF:890107.4/32

Out: 2028.553+/-0.312 χ^2/NDF:993657.3/36

All: 2020.457+/-0.220 χ^2/NDF: 1885113.8/69



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:21.7/16

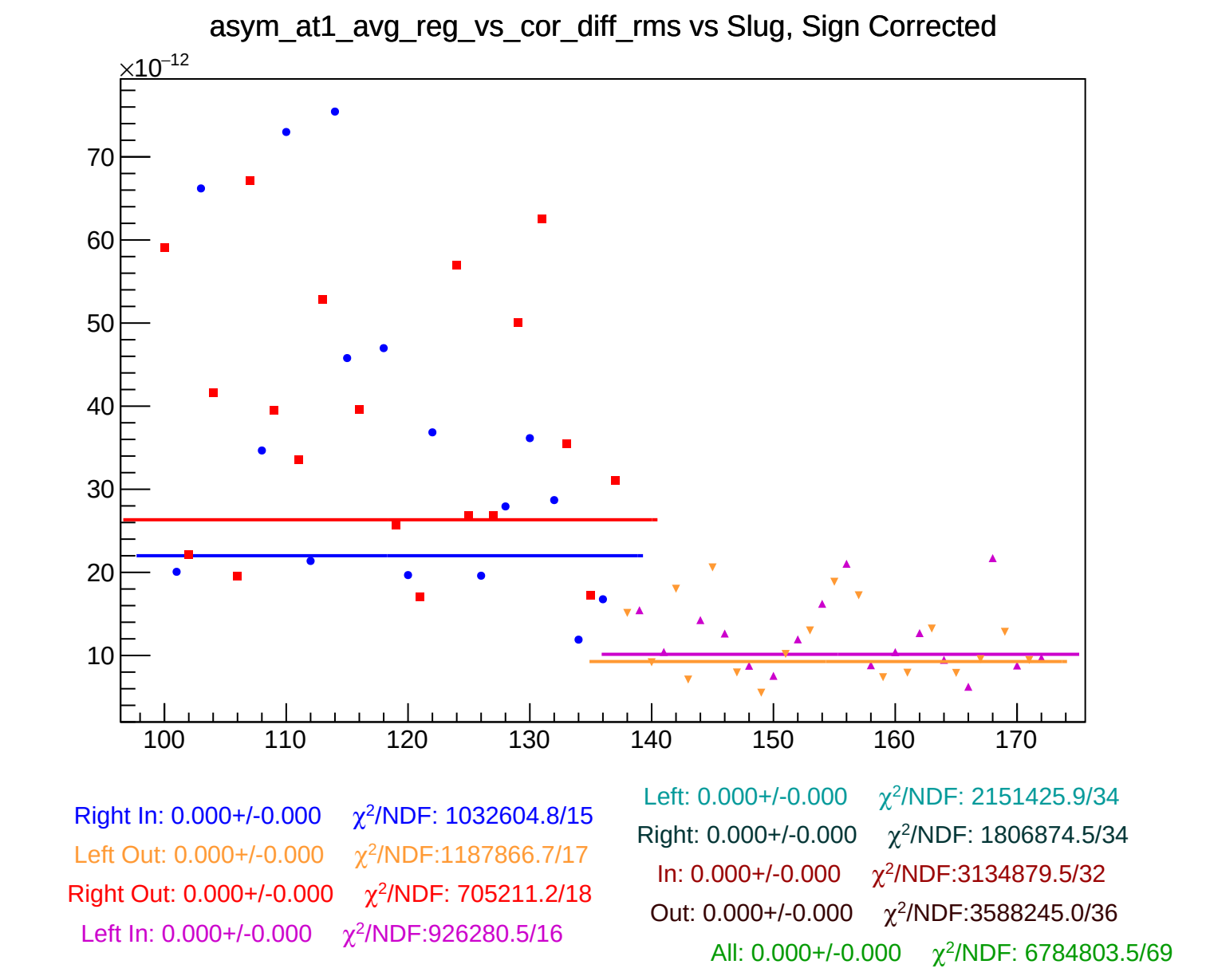
Left: -0.000+/-0.000 χ^2/NDF: 37.7/34

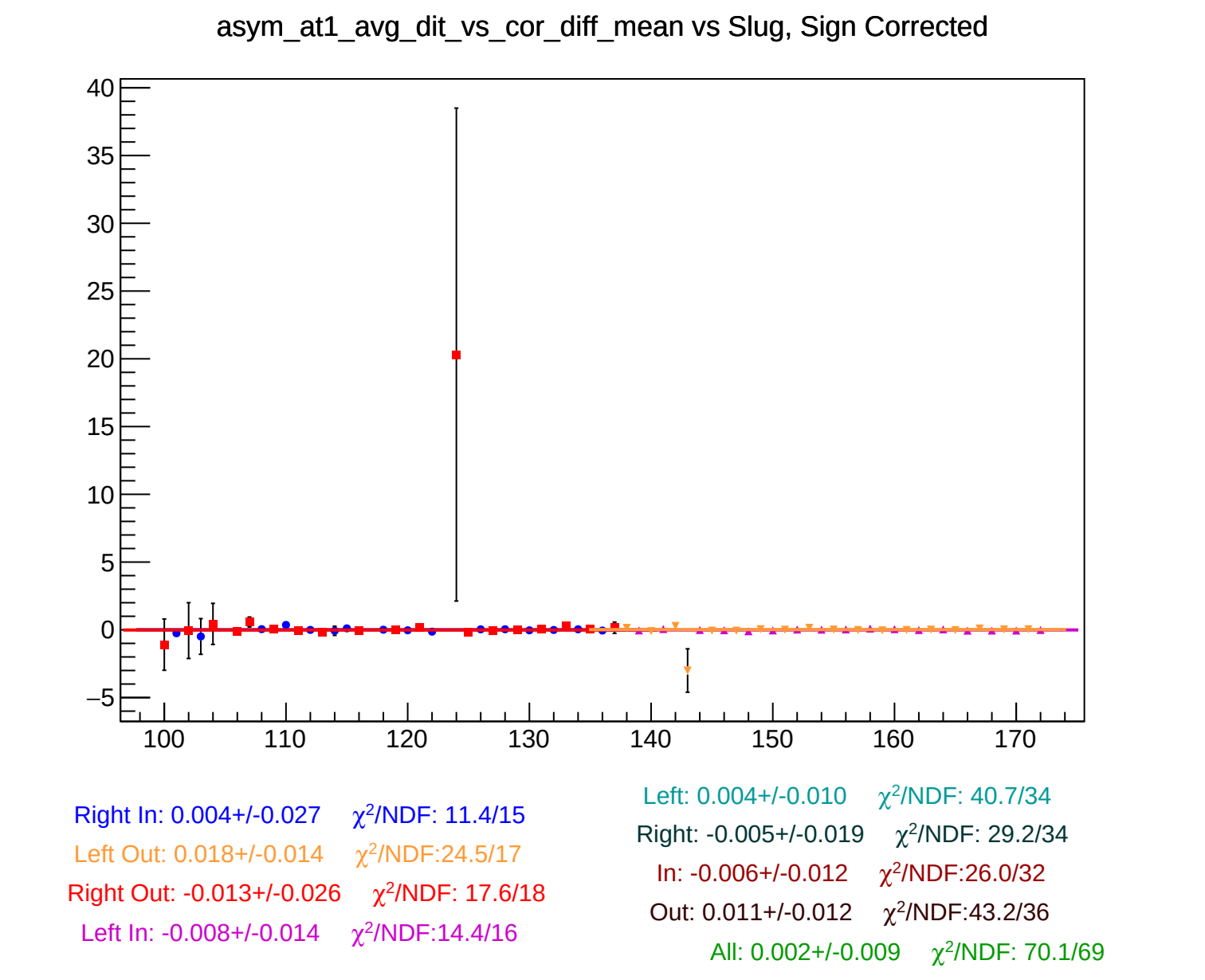
Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

In: 0.000+/-0.000 χ^2/NDF:40.2/32

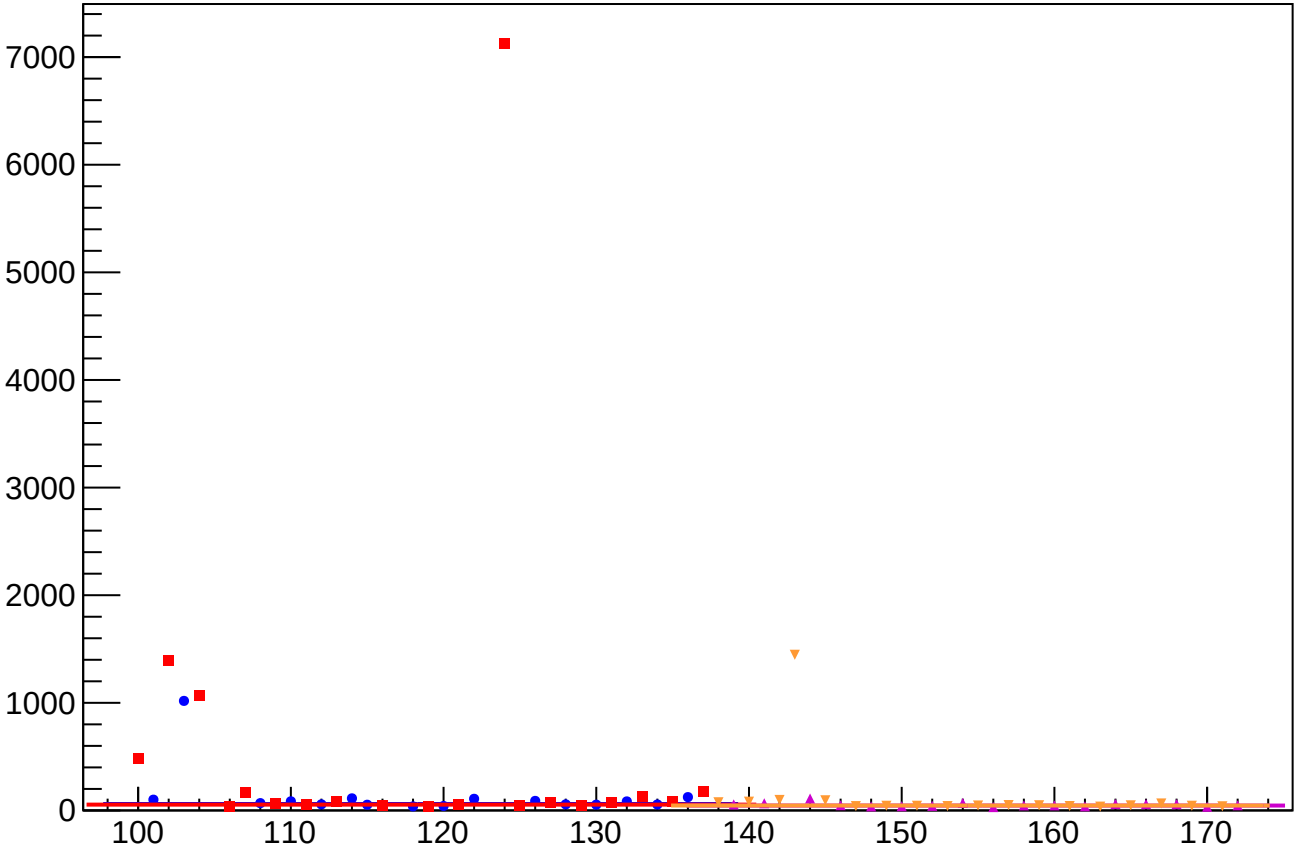
Out: 0.000+/-0.000 χ^2/NDF:30.0/36

All: 0.000+/-0.000 χ^2/NDF: 70.2/69


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:1187866.7/17
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: 2151425.9/34
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:3588245.0/36
All: 0.000+/-0.000 χ²/NDF: 6784803.5/69


asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
40
35
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
Right In: 0.004+/-0.027 χ²/NDF: 11.4/15
Left Out: 0.018+/-0.014 χ²/NDF:24.5/17
Right Out: -0.013+/-0.026 χ²/NDF: 17.6/18
Left In: -0.008+/-0.014 χ²/NDF:14.4/16
Left: 0.004+/-0.010 χ²/NDF: 40.7/34
Right: -0.005+/-0.019 χ²/NDF: 29.2/34
In: -0.006+/-0.012 χ²/NDF:26.0/32
Out: 0.011+/-0.012 χ²/NDF:43.2/36
All: 0.002+/-0.009 χ²/NDF: 70.1/69

asym_at1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.028+/-0.010 χ^2/NDF:2988247.8/17

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: 45.772+/-0.007 χ^2/NDF: 4671573.4/34

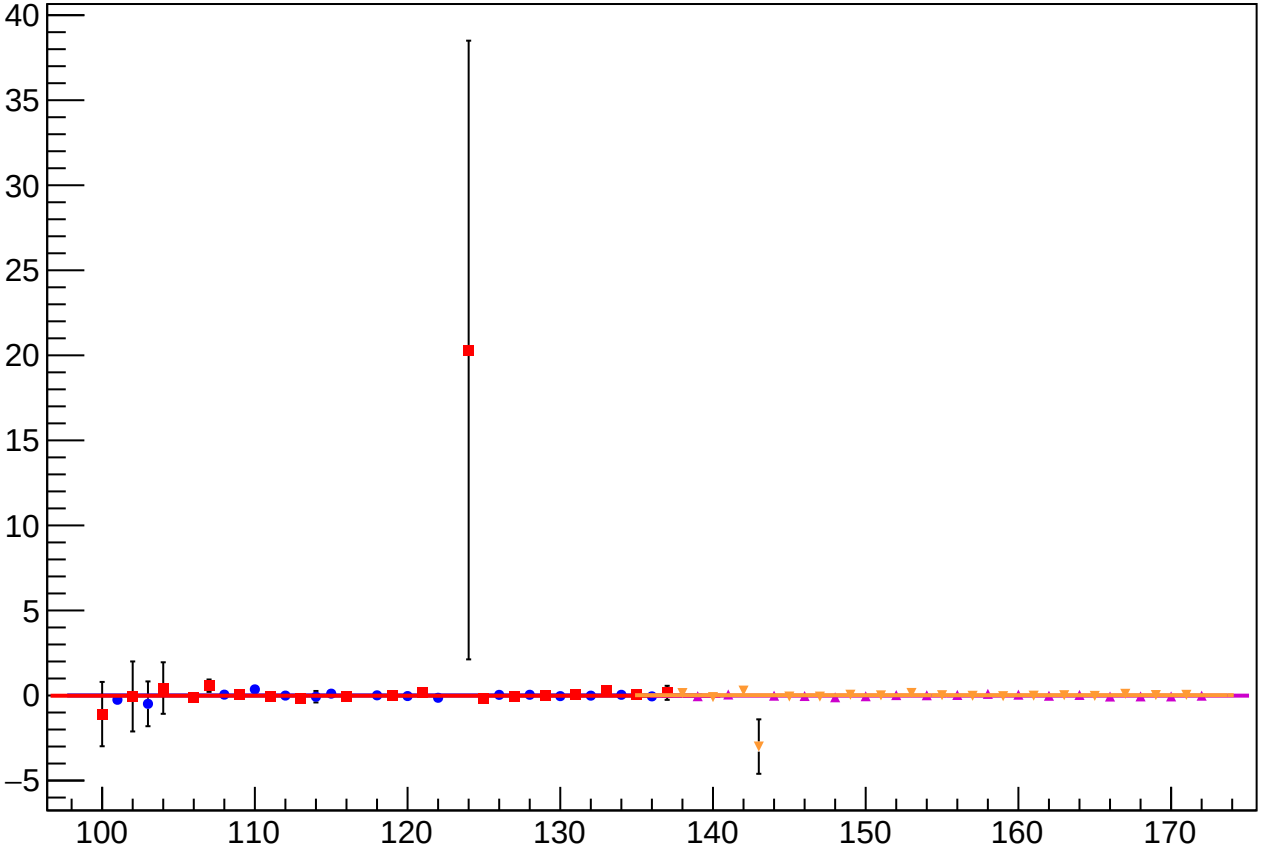
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 48.517+/-0.009 χ^2/NDF:4674838.8/32

Out: 47.917+/-0.009 χ^2/NDF:6666095.9/36

All: 48.221+/-0.006 χ^2/NDF: 11343316.5/69

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: 0.018+/-0.014 χ^2/NDF:24.5/17

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: 0.004+/-0.010 χ^2/NDF: 40.7/34

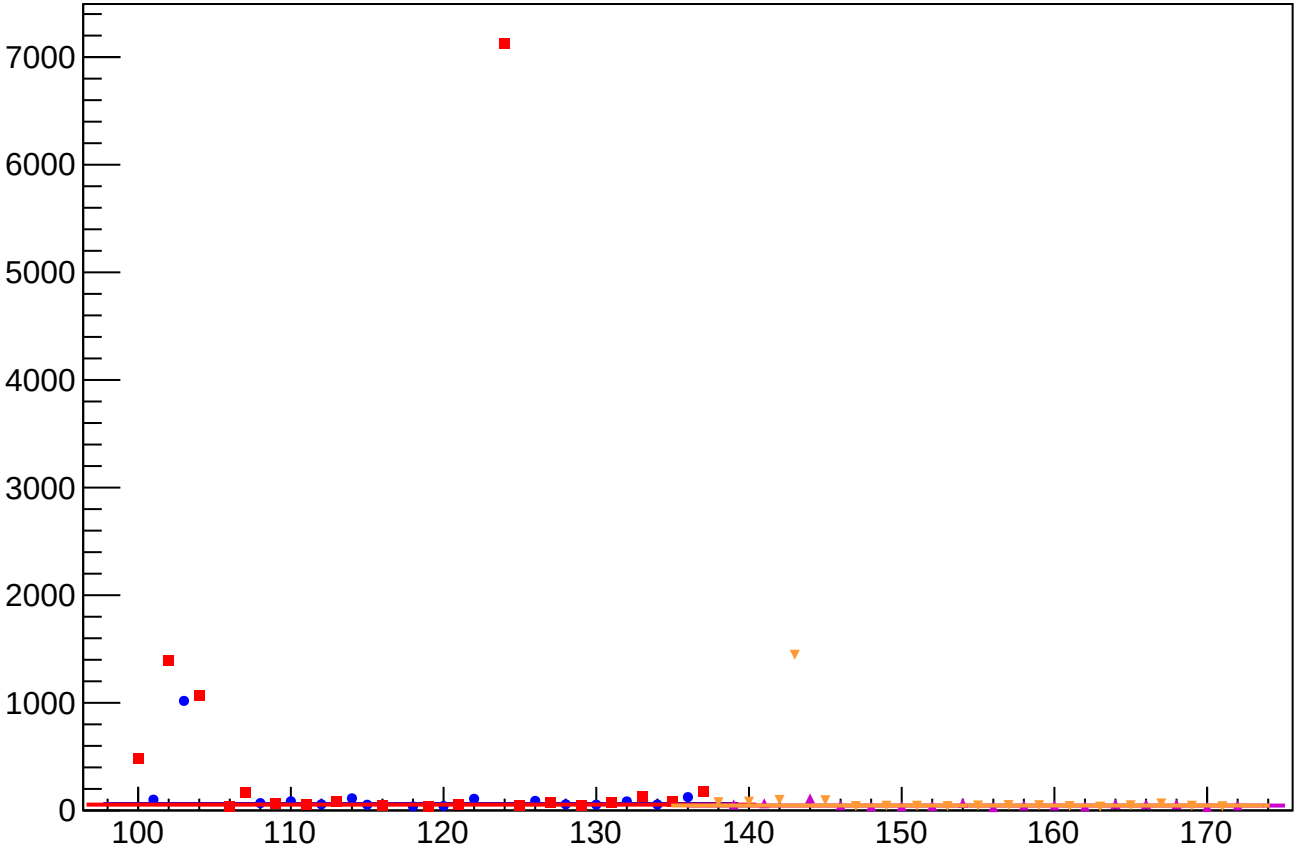
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.006+/-0.012 χ^2/NDF:26.0/32

Out: 0.011+/-0.012 χ^2/NDF:43.2/36

All: 0.002+/-0.009 χ^2/NDF: 70.1/69

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 46.028+/-0.010 χ^2/NDF:2988247.8/17

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.531+/-0.010 χ^2/NDF:1682050.9/16

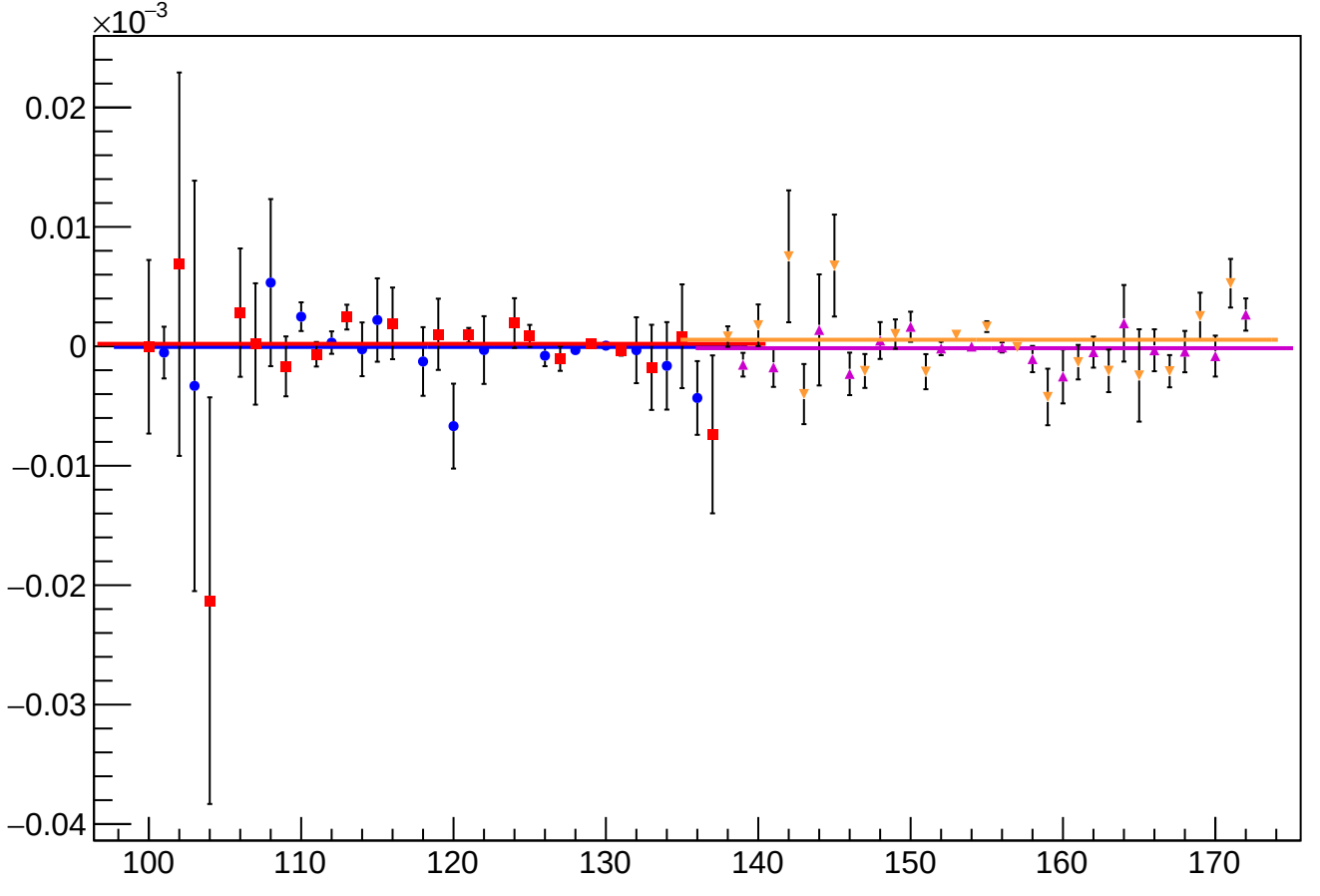
Left: 45.772+/-0.007 χ^2/NDF: 4671573.4/34

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 48.517+/-0.009 χ^2/NDF:4674838.8/32

Out: 47.917+/-0.009 χ^2/NDF:6666095.9/36

All: 48.221+/-0.006 χ^2/NDF: 11343316.5/69



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:42.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/16

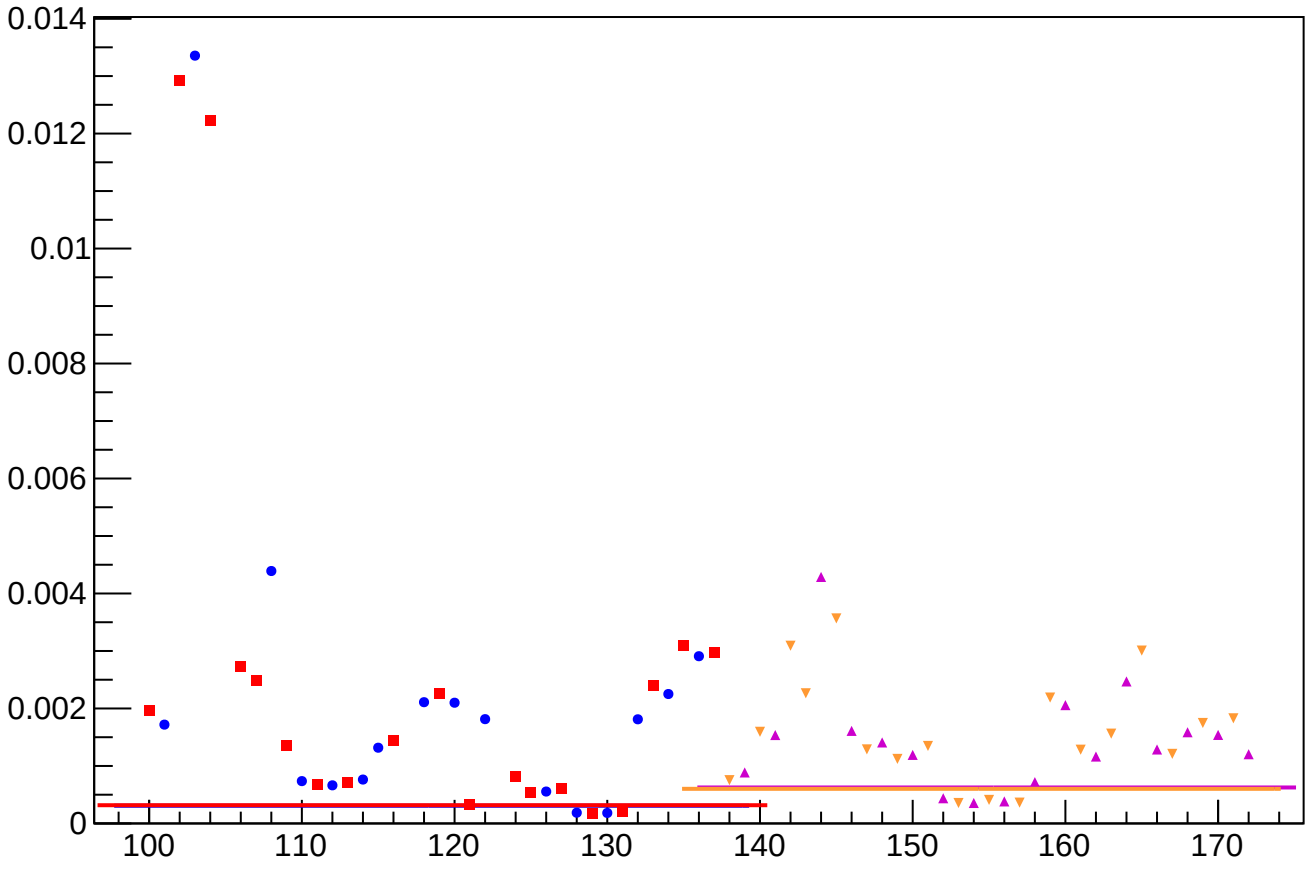
Left: 0.000+/-0.000 χ^2/NDF: 61.8/34

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:59.7/36

All: 0.000+/-0.000 χ^2/NDF: 91.6/69



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:10688656.1/17

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: 19761130.9/34

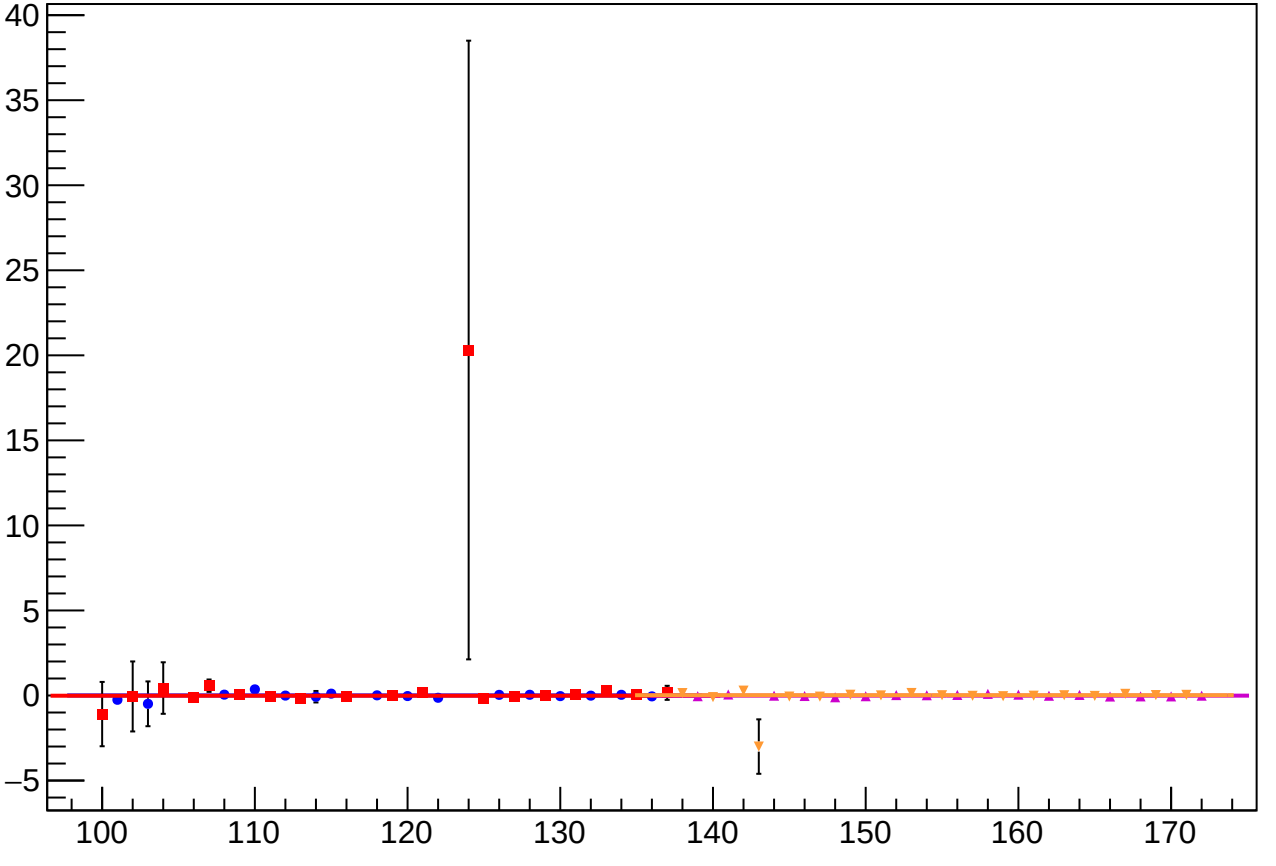
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:20224740.1/32

Out: 0.000+/-0.000 χ^2/NDF:20738460.7/36

All: 0.000+/-0.000 χ^2/NDF: 40963217.5/69

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: 0.018+/-0.014 χ^2/NDF:24.5/17

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: 0.004+/-0.010 χ^2/NDF: 40.7/34

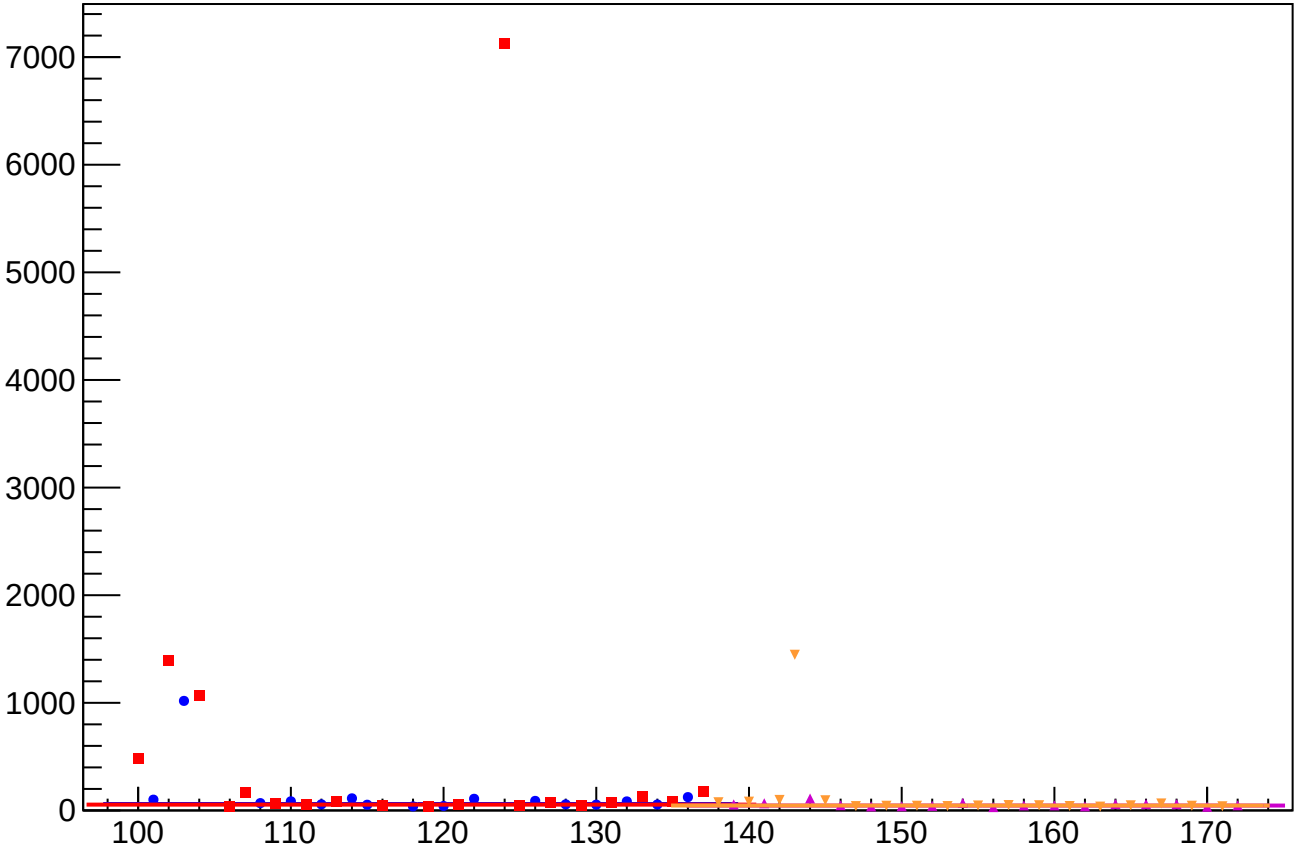
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.006+/-0.012 χ^2/NDF:26.0/32

Out: 0.011+/-0.012 χ^2/NDF:43.2/36

All: 0.002+/-0.009 χ^2/NDF: 70.1/69

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: 46.028+/-0.010 χ^2/NDF:2988231.4/17

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: 45.773+/-0.007 χ^2/NDF: 4671560.9/34

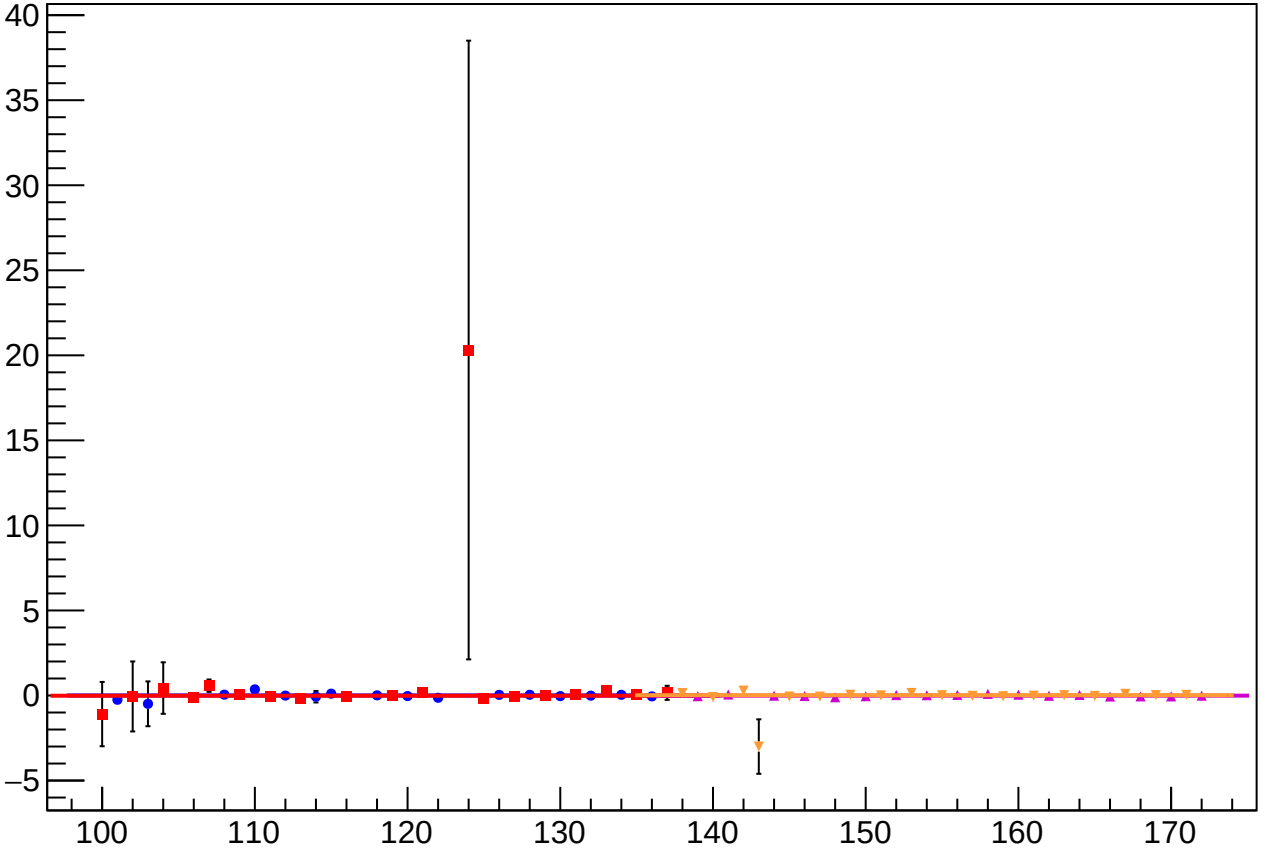
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 48.517+/-0.009 χ^2/NDF:4674844.0/32

Out: 47.917+/-0.009 χ^2/NDF:6666092.8/36

All: 48.221+/-0.006 χ^2/NDF: 11343318.3/69

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: 0.018+/-0.014 χ^2/NDF:24.5/17

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: 0.004+/-0.010 χ^2/NDF: 40.7/34

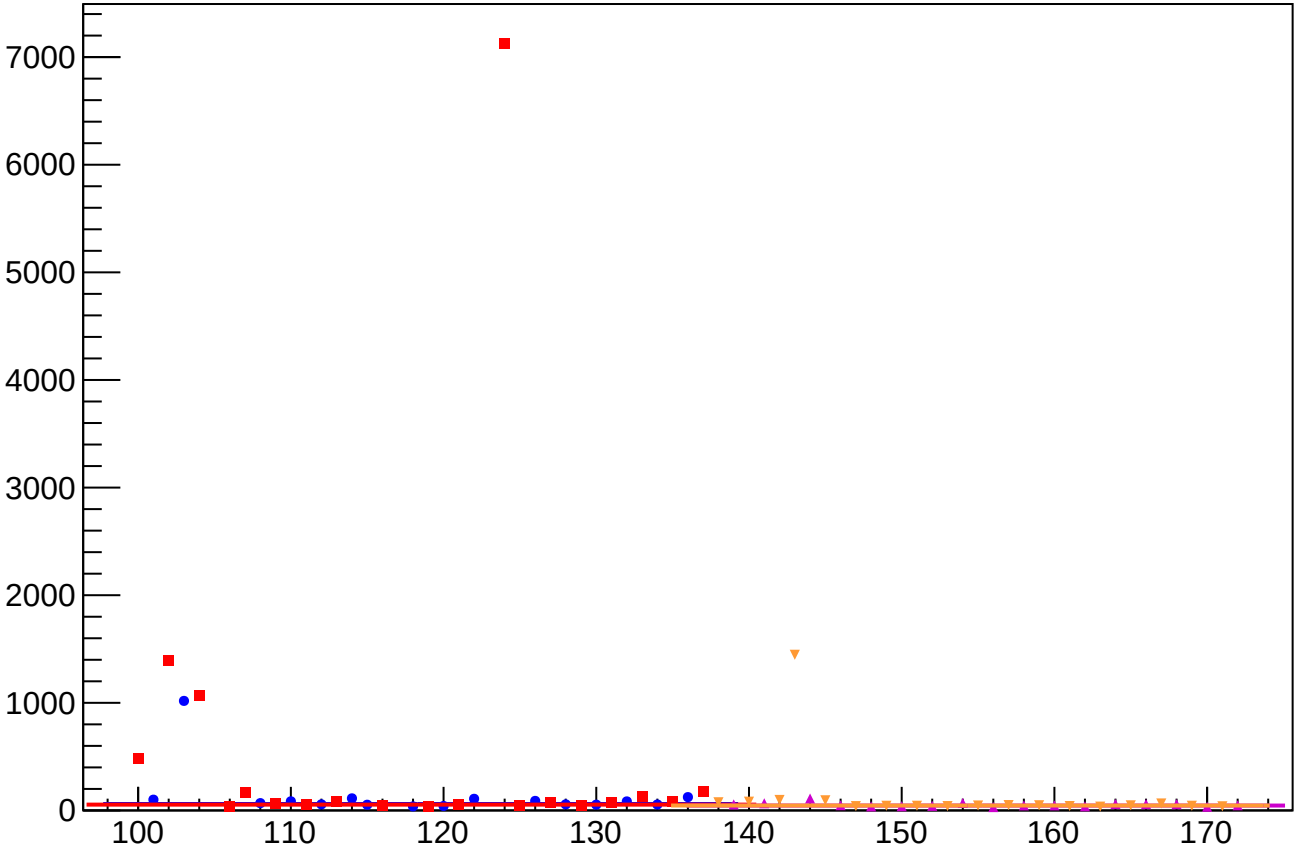
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.006+/-0.012 χ^2/NDF:26.0/32

Out: 0.011+/-0.012 χ^2/NDF:43.2/36

All: 0.002+/-0.009 χ^2/NDF: 70.1/69

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: 46.028+/-0.010 χ^2/NDF:2988231.4/17

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.531+/-0.010 χ^2/NDF:1682053.5/16

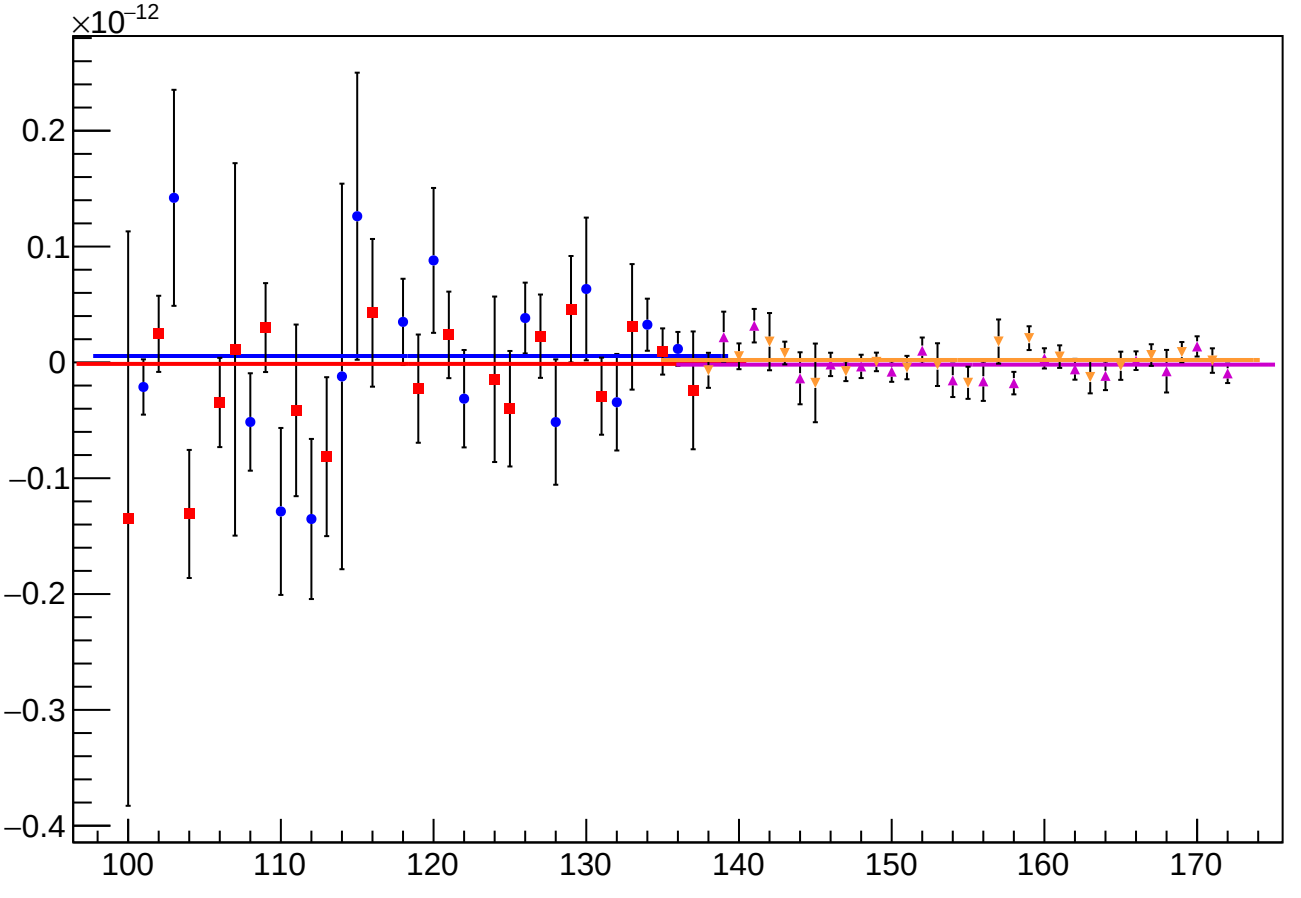
Left: 45.773+/-0.007 χ^2/NDF: 4671560.9/34

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 48.517+/-0.009 χ^2/NDF:4674844.0/32

Out: 47.917+/-0.009 χ^2/NDF:6666092.8/36

All: 48.221+/-0.006 χ^2/NDF: 11343318.3/69



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/17

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/16

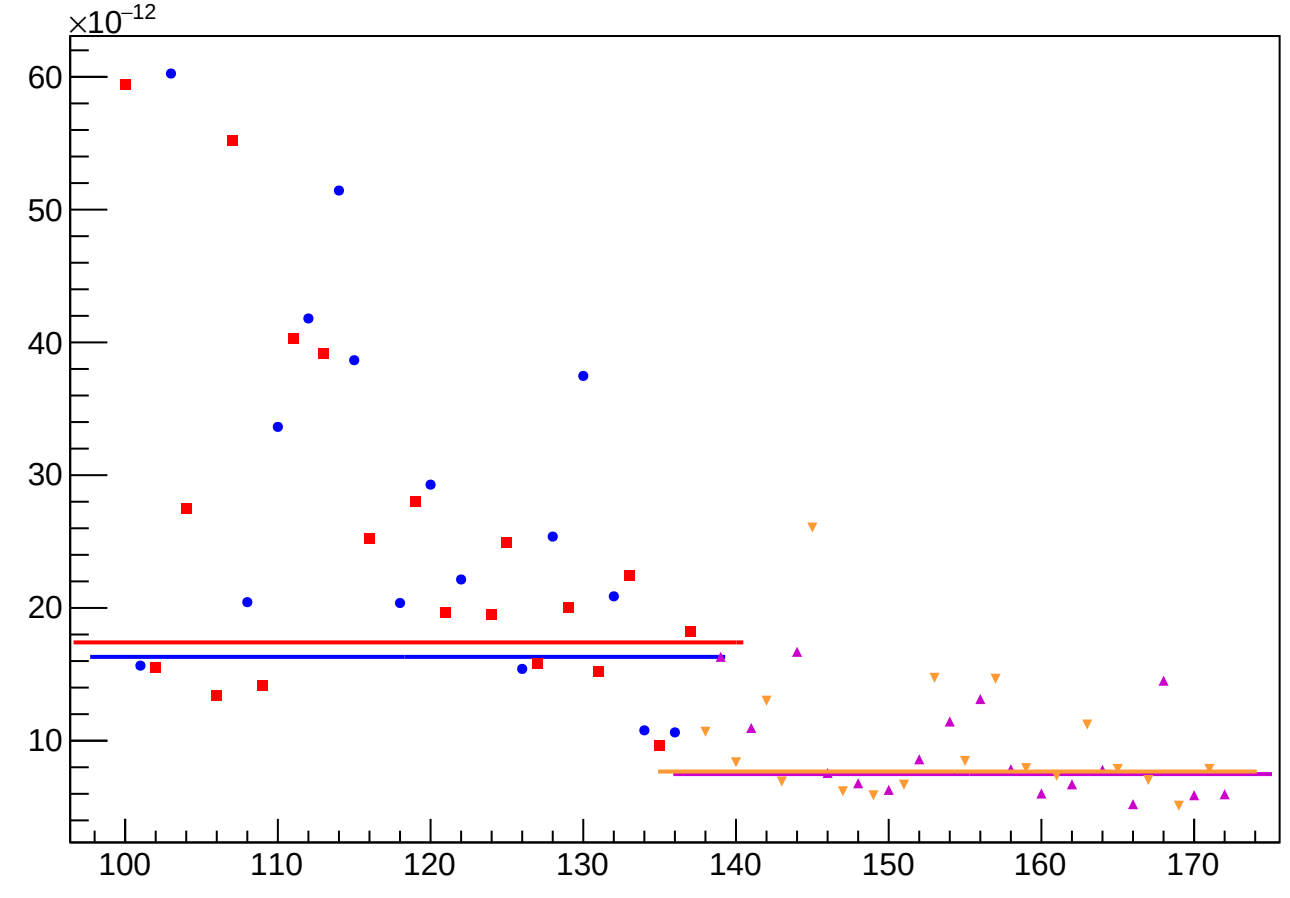
Left: 0.000+/-0.000 χ^2/NDF: 31.0/34

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:26.0/36

All: 0.000+/-0.000 χ^2/NDF: 68.3/69



Right In: 0.000+/-0.000 χ^2/NDF: 1895019.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1839399.9/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1197059.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1870586.3/16

Left: 0.000+/-0.000 χ^2/NDF: 3715299.0/34

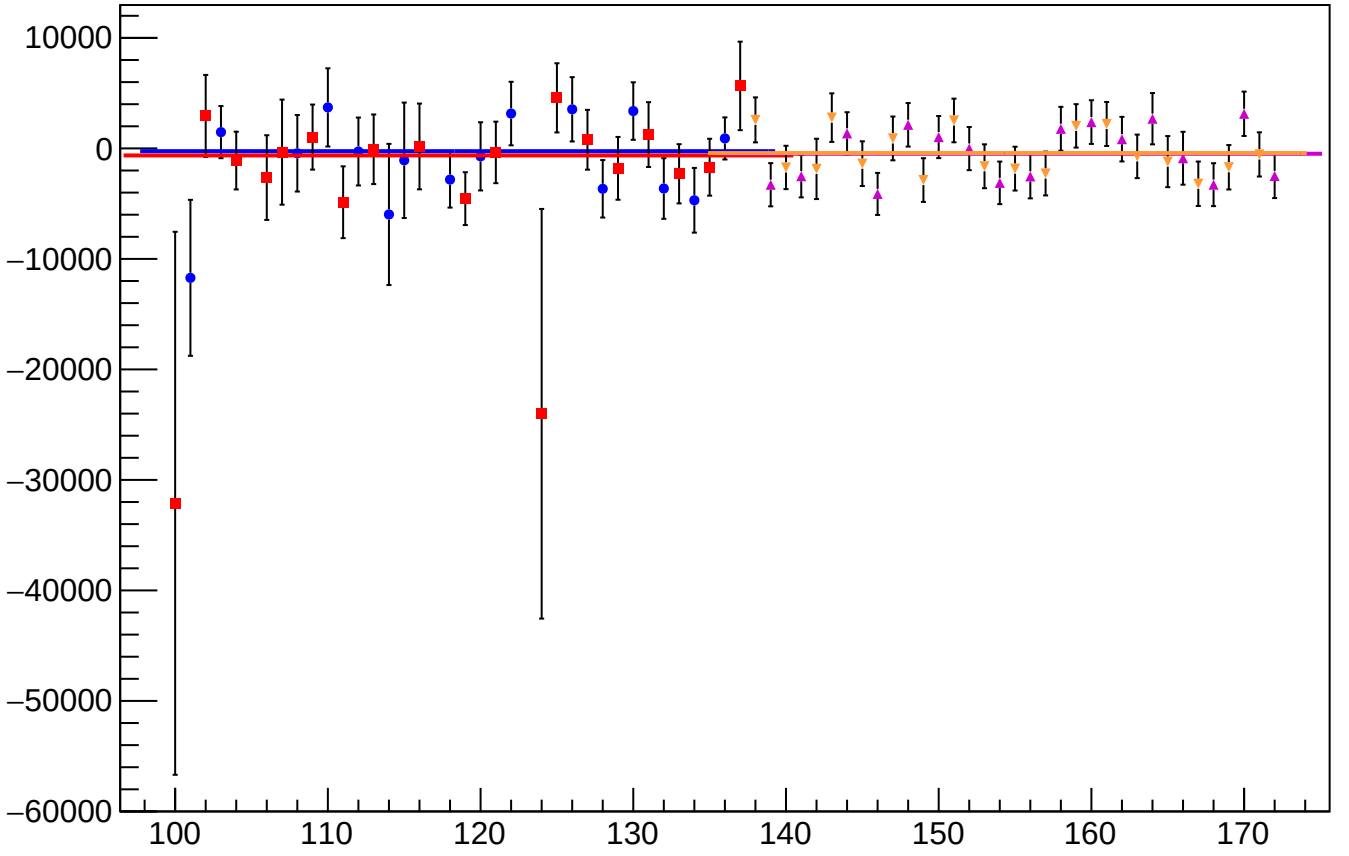
Right: 0.000+/-0.000 χ^2/NDF: 3106014.7/34

In: 0.000+/-0.000 χ^2/NDF:5675632.1/32

Out: 0.000+/-0.000 χ^2/NDF:4878922.9/36

All: 0.000+/-0.000 χ^2/NDF: 10556925.6/69

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -421.377+/-481.338 χ^2/NDF:17.0/17

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: -452.495+/-341.104 χ^2/NDF: 42.1/34

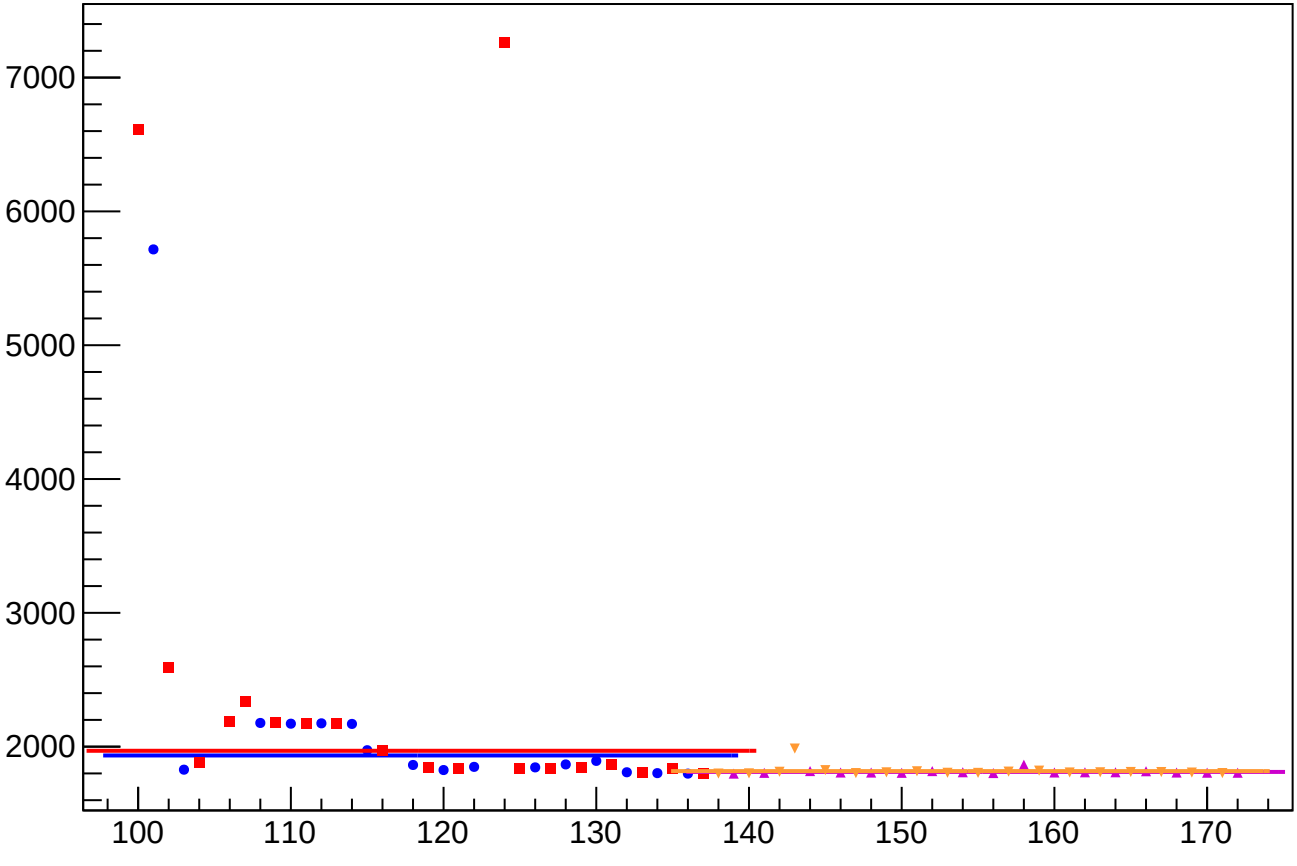
Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -413.661+/-403.931 χ^2/NDF:42.5/32

Out: -485.762+/-402.753 χ^2/NDF:32.9/36

All: -449.816+/-285.205 χ^2/NDF: 75.4/69

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1817.283+/-0.340 χ^2/NDF:12734.8/17

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1811.172+/-0.342 χ^2/NDF:1789.4/16

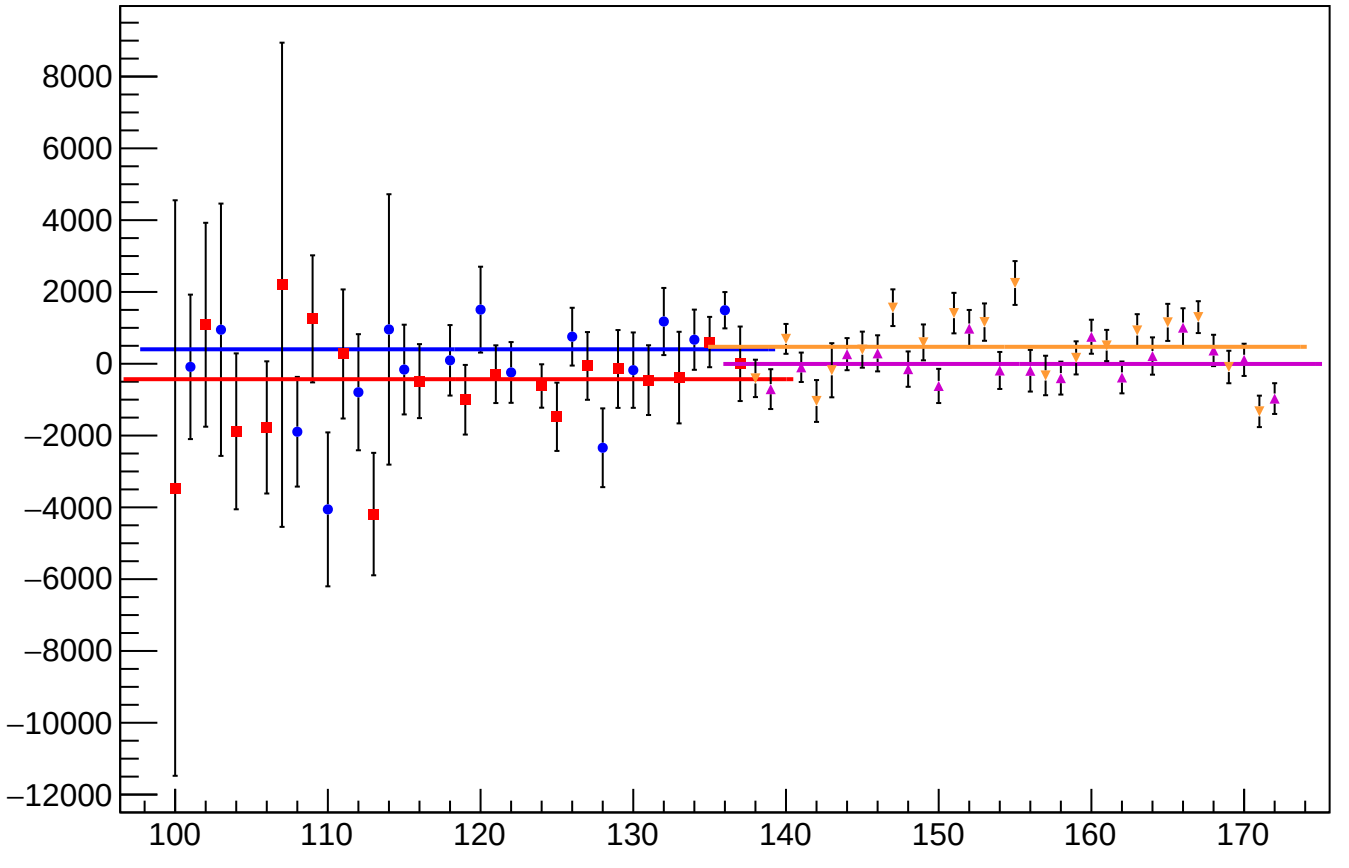
Left: 1814.241+/-0.241 χ^2/NDF: 14684.7/34

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1848.323+/-0.286 χ^2/NDF:680825.0/32

Out: 1862.840+/-0.285 χ^2/NDF:450859.3/36

All: 1855.603+/-0.202 χ^2/NDF: 1132979.8/69



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 471.861+/-117.401 χ^2/NDF:55.4/17

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -5.407+/-116.048 χ^2/NDF:21.6/16

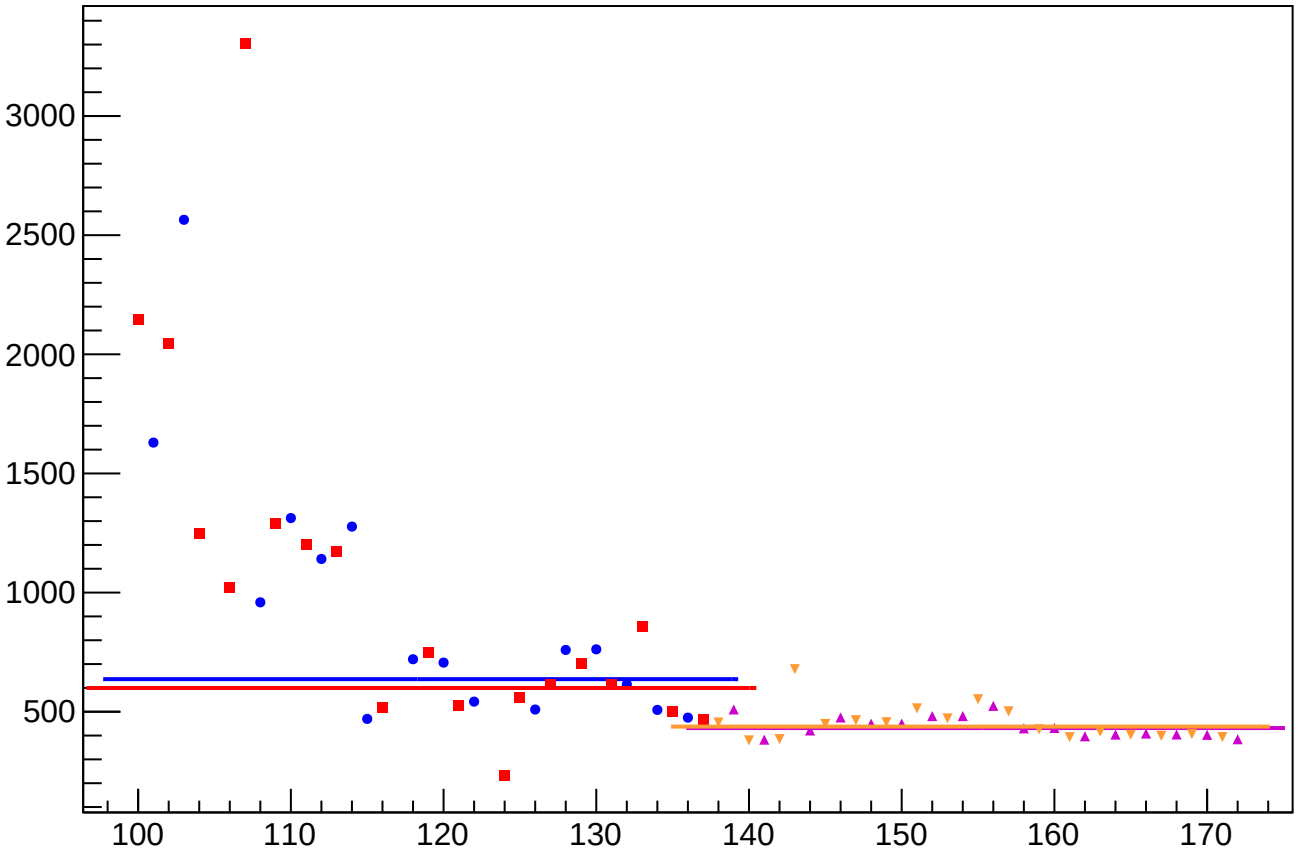
Left: 230.460+/-82.533 χ^2/NDF: 85.3/34

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 63.001+/-105.874 χ^2/NDF:44.8/32

Out: 311.875+/-106.481 χ^2/NDF:77.6/36

All: 186.727+/-75.078 χ^2/NDF: 125.1/69



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 437.637+/-0.083 χ^2/NDF:493866.0/17

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 431.513+/-0.082 χ^2/NDF:240684.8/16

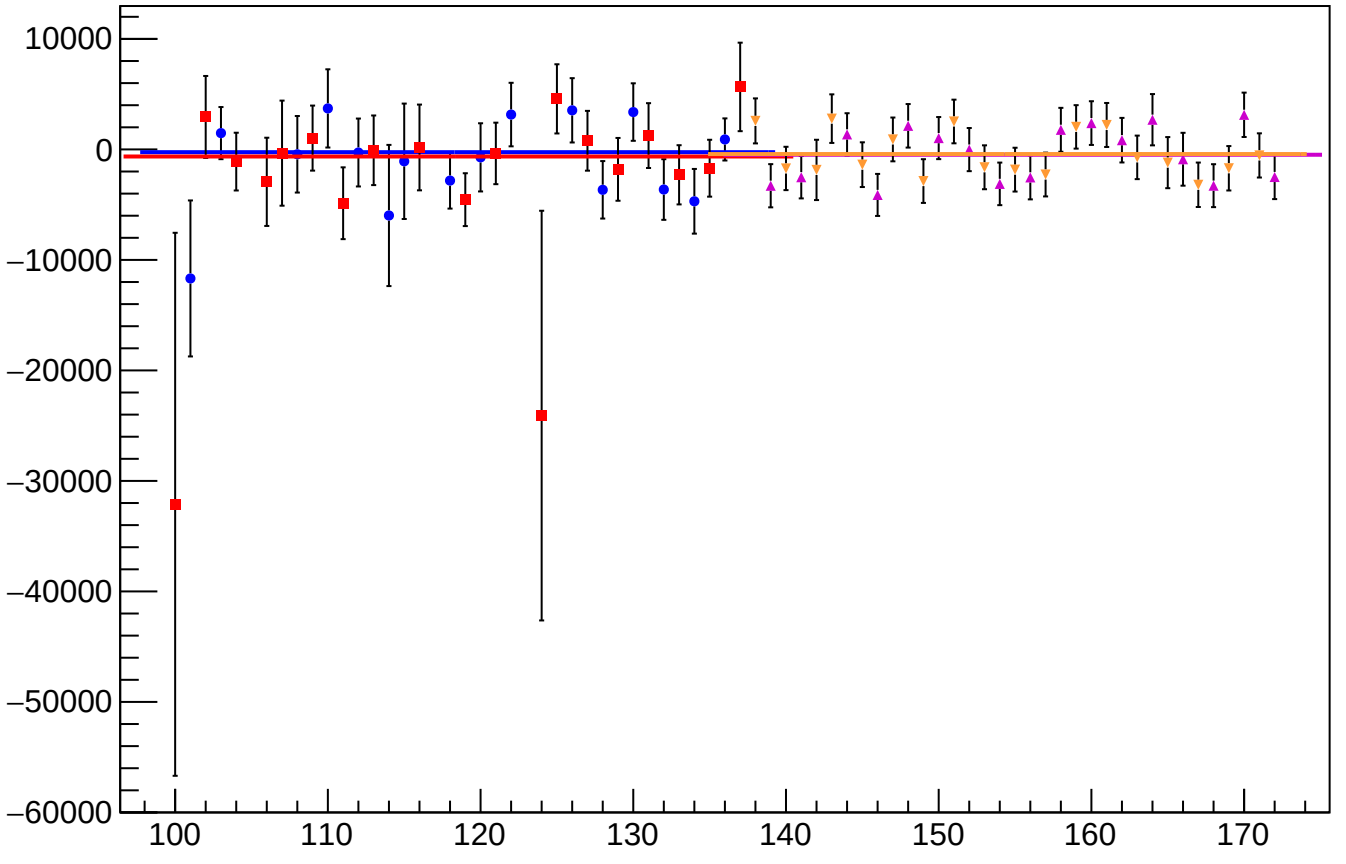
Left: 434.540+/-0.058 χ^2/NDF: 737303.0/34

Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 465.913+/-0.075 χ^2/NDF:3355821.9/32

Out: 466.372+/-0.075 χ^2/NDF:4113415.8/36

All: 466.141+/-0.053 χ^2/NDF: 7469256.3/69



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -421.387+/-481.338 χ^2/NDF:17.0/17

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: -452.510+/-341.104 χ^2/NDF: 42.1/34

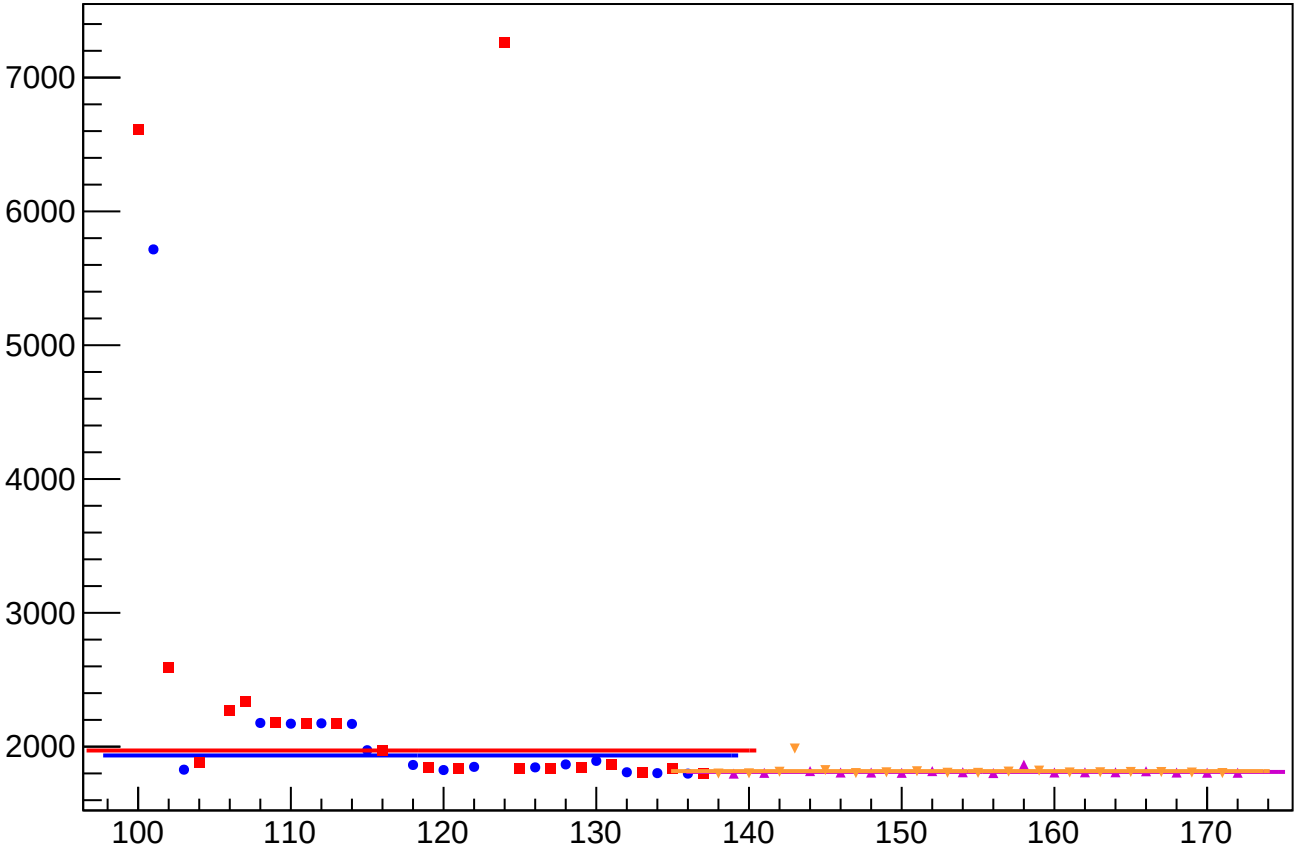
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -413.431+/-403.931 χ^2/NDF:42.5/32

Out: -487.068+/-402.929 χ^2/NDF:33.0/36

All: -450.341+/-285.267 χ^2/NDF: 75.5/69

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1817.283+/-0.340 χ^2/NDF:12734.8/17

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1811.172+/-0.342 χ^2/NDF:1789.4/16

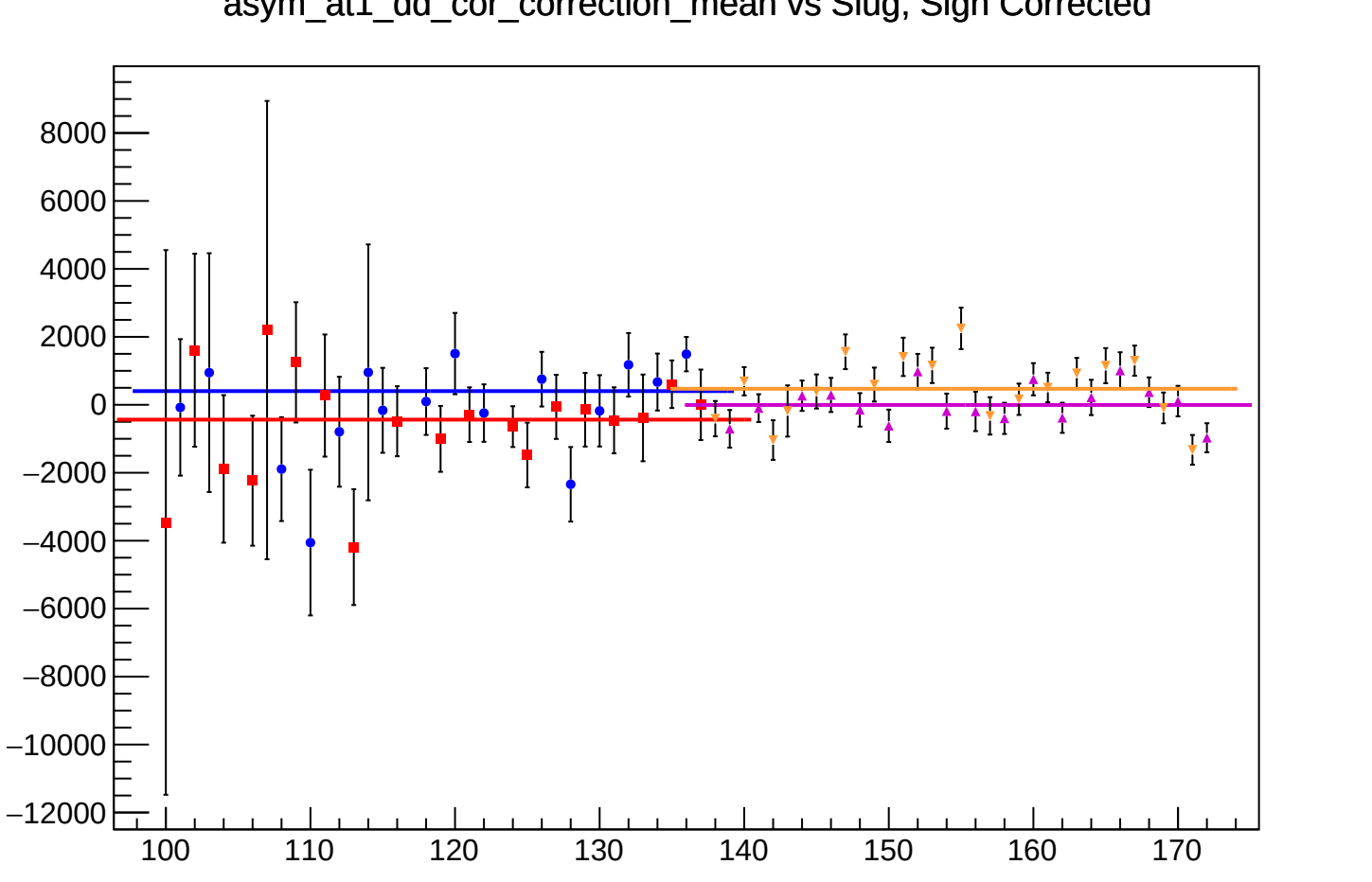
Left: 1814.241+/-0.241 χ^2/NDF: 14684.7/34

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1848.323+/-0.286 χ^2/NDF:680824.9/32

Out: 1863.392+/-0.285 χ^2/NDF:457237.1/36

All: 1855.876+/-0.202 χ^2/NDF: 1139457.1/69


asym_at1_dd_cor_correction_mean vs Slug, Sign Corrected
8000
6000
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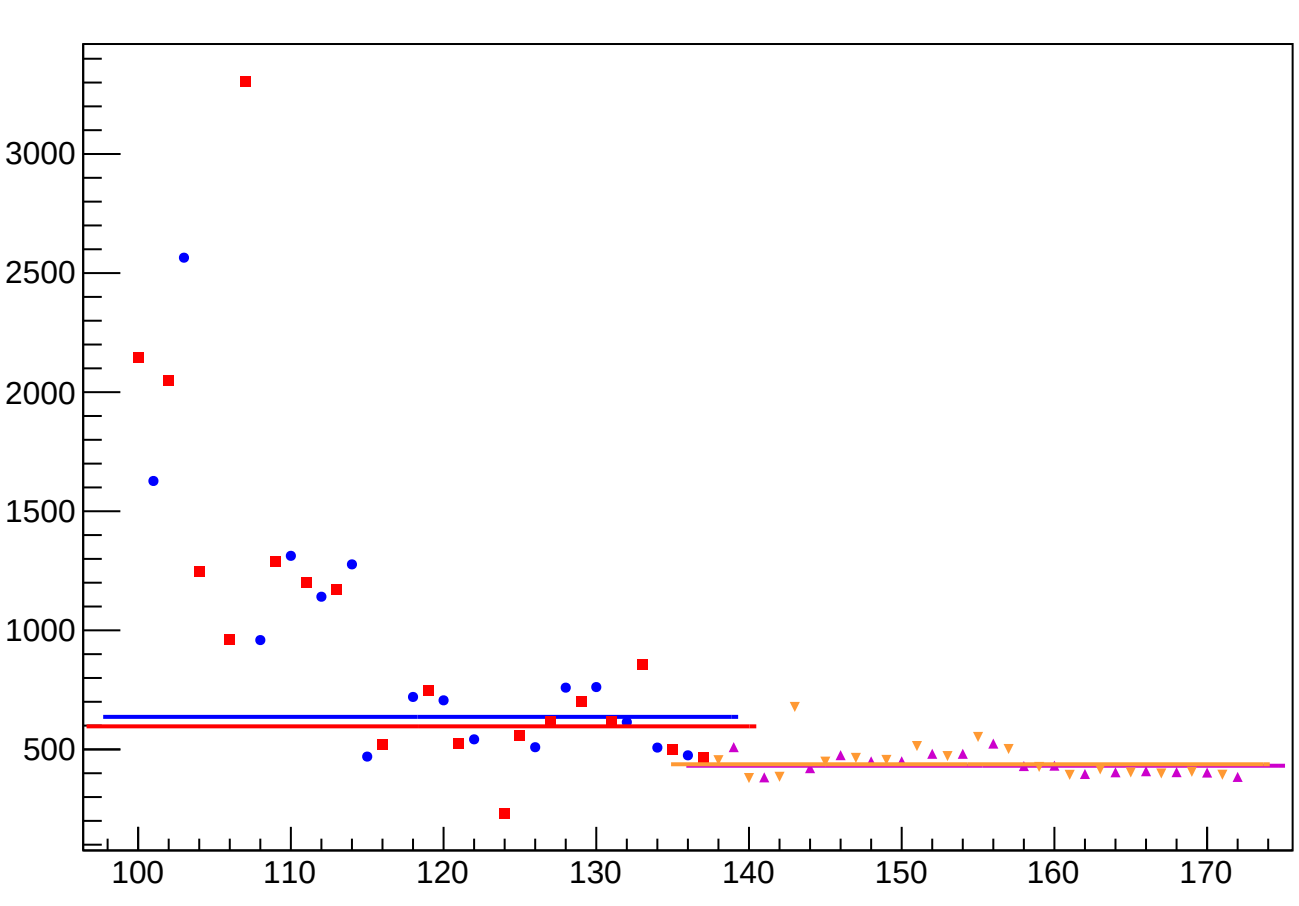
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
Right In: 402.701+/-258.564 χ²/NDF: 21.1/15
Left Out: 471.837+/-117.401 χ²/NDF:55.4/17
Right Out: -436.691+/-252.672 χ²/NDF: 12.4/18
Left In: -5.404+/-116.048 χ²/NDF:21.6/16
Left: 230.449+/-82.533 χ²/NDF: 85.3/34
Right: -26.666+/-180.713 χ²/NDF: 38.9/34
In: 63.020+/-105.873 χ²/NDF:44.8/32
Out: 310.522+/-106.470 χ²/NDF:78.4/36
All: 186.076+/-75.074 χ²/NDF: 125.9/69



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 437.637+/-0.083 χ^2/NDF:493839.9/17

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 431.512+/-0.082 χ^2/NDF:240650.7/16

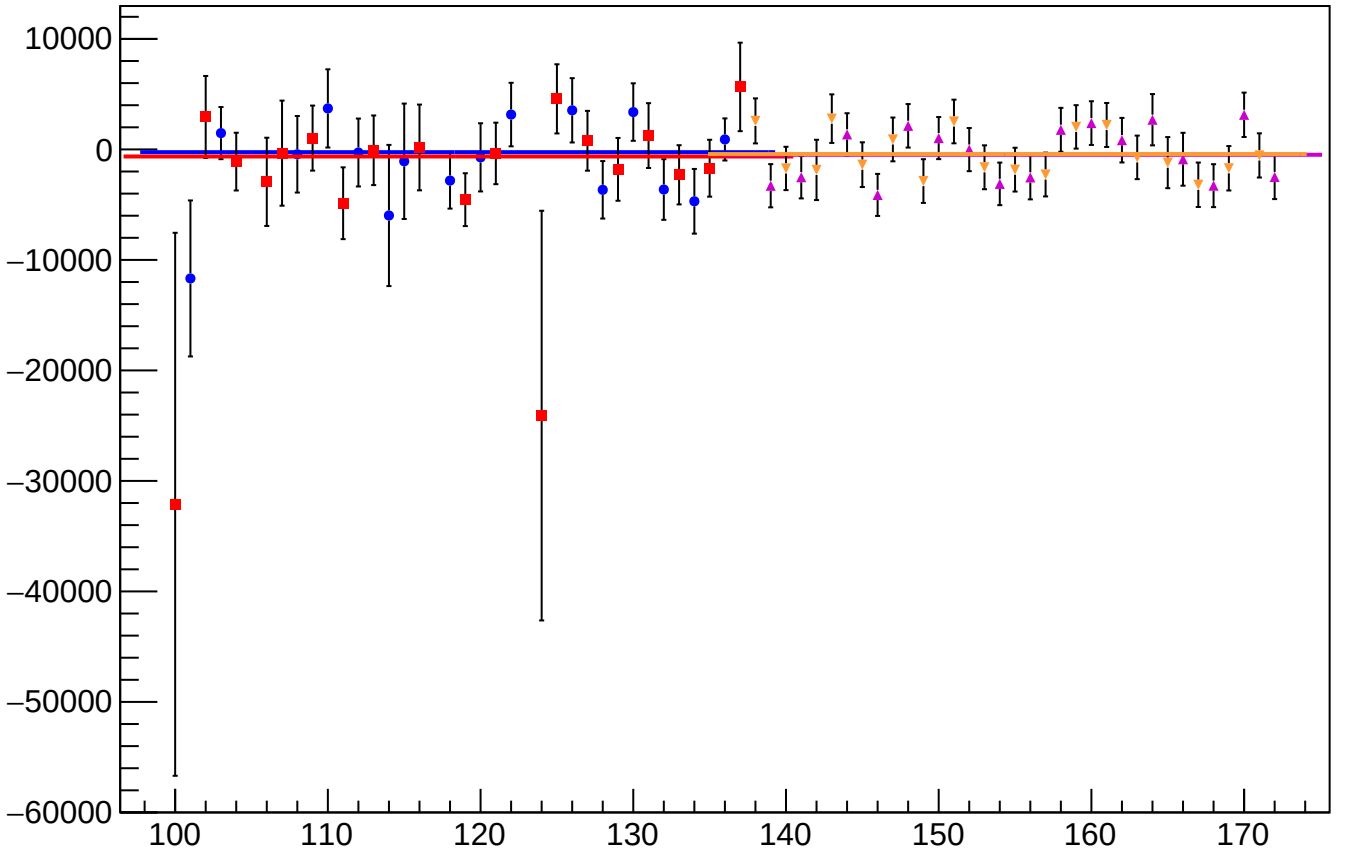
Left: 434.539+/-0.058 χ^2/NDF: 737244.0/34

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 465.914+/-0.075 χ^2/NDF:3354982.1/32

Out: 465.909+/-0.075 χ^2/NDF:4077475.8/36

All: 465.911+/-0.053 χ^2/NDF: 7432457.9/69



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -421.387+/-481.338 χ^2/NDF:17.0/17

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -483.907+/-483.457 χ^2/NDF:25.2/16

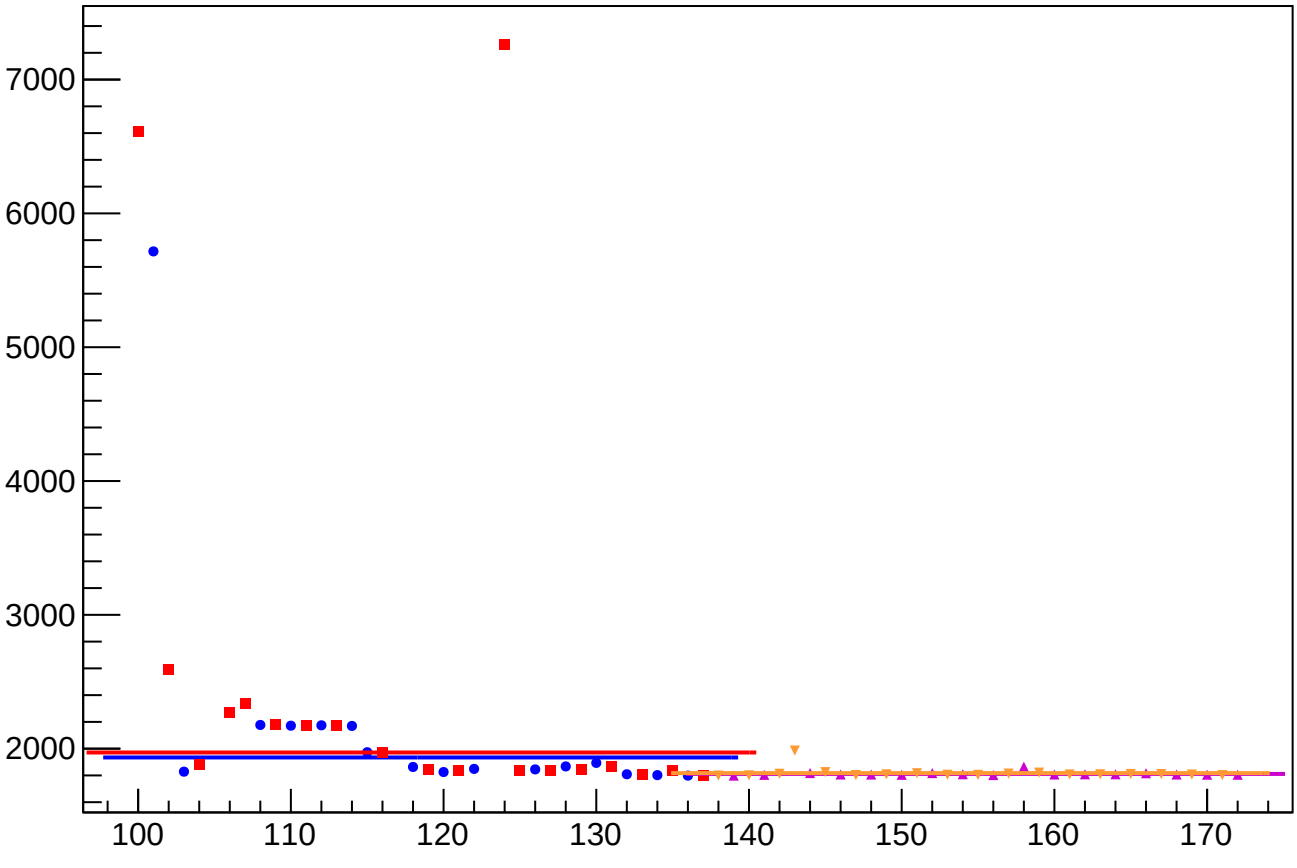
Left: -452.510+/-341.104 χ^2/NDF: 42.1/34

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -413.431+/-403.931 χ^2/NDF:42.5/32

Out: -487.068+/-402.929 χ^2/NDF:33.0/36

All: -450.341+/-285.267 χ^2/NDF: 75.5/69



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1817.283+/-0.340 χ^2/NDF:12734.8/17

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1811.172+/-0.342 χ^2/NDF:1789.4/16

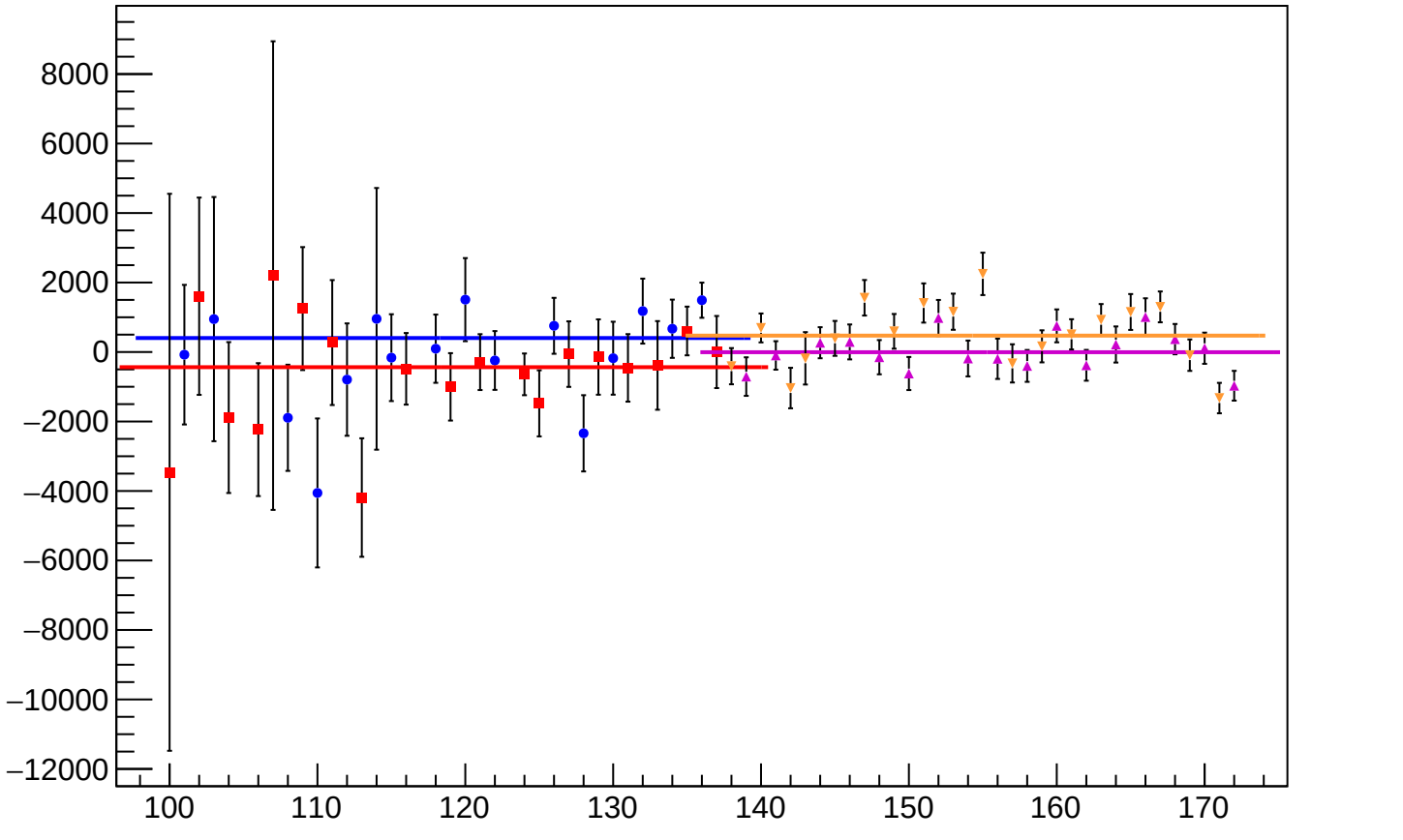
Left: 1814.241+/-0.241 χ^2/NDF: 14684.7/34

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1848.323+/-0.286 χ^2/NDF:680824.9/32

Out: 1863.392+/-0.285 χ^2/NDF:457237.1/36

All: 1855.876+/-0.202 χ^2/NDF: 1139457.1/69


asym_at1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
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−4000
−6000
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−10000
−12000
100
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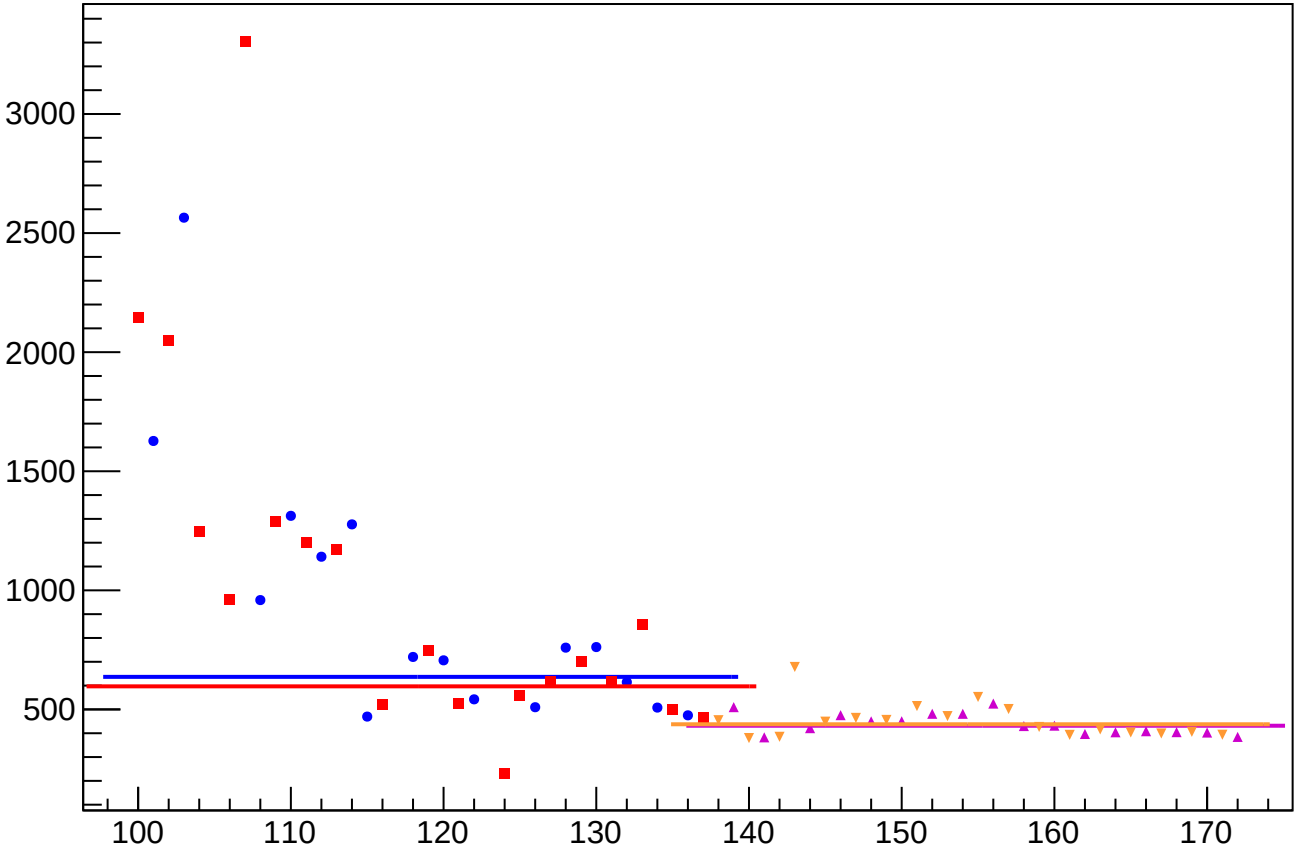
160
170
Right In: 402.701+/-258.564 χ²/NDF: 21.1/15
Left Out: 471.837+/-117.401 χ²/NDF:55.4/17
Right Out: -436.691+/-252.672 χ²/NDF: 12.4/18
Left In: -5.404+/-116.048 χ²/NDF:21.6/16
Left: 230.449+/-82.533 χ²/NDF: 85.3/34
Right: -26.666+/-180.713 χ²/NDF: 38.9/34
In: 63.020+/-105.873 χ²/NDF:44.8/32
Out: 310.522+/-106.470 χ²/NDF:78.4/36
All: 186.076+/-75.074 χ²/NDF: 125.9/69

asym_at1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 437.637+/-0.083 χ^2/NDF:493839.9/17

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 431.512+/-0.082 χ^2/NDF:240650.7/16

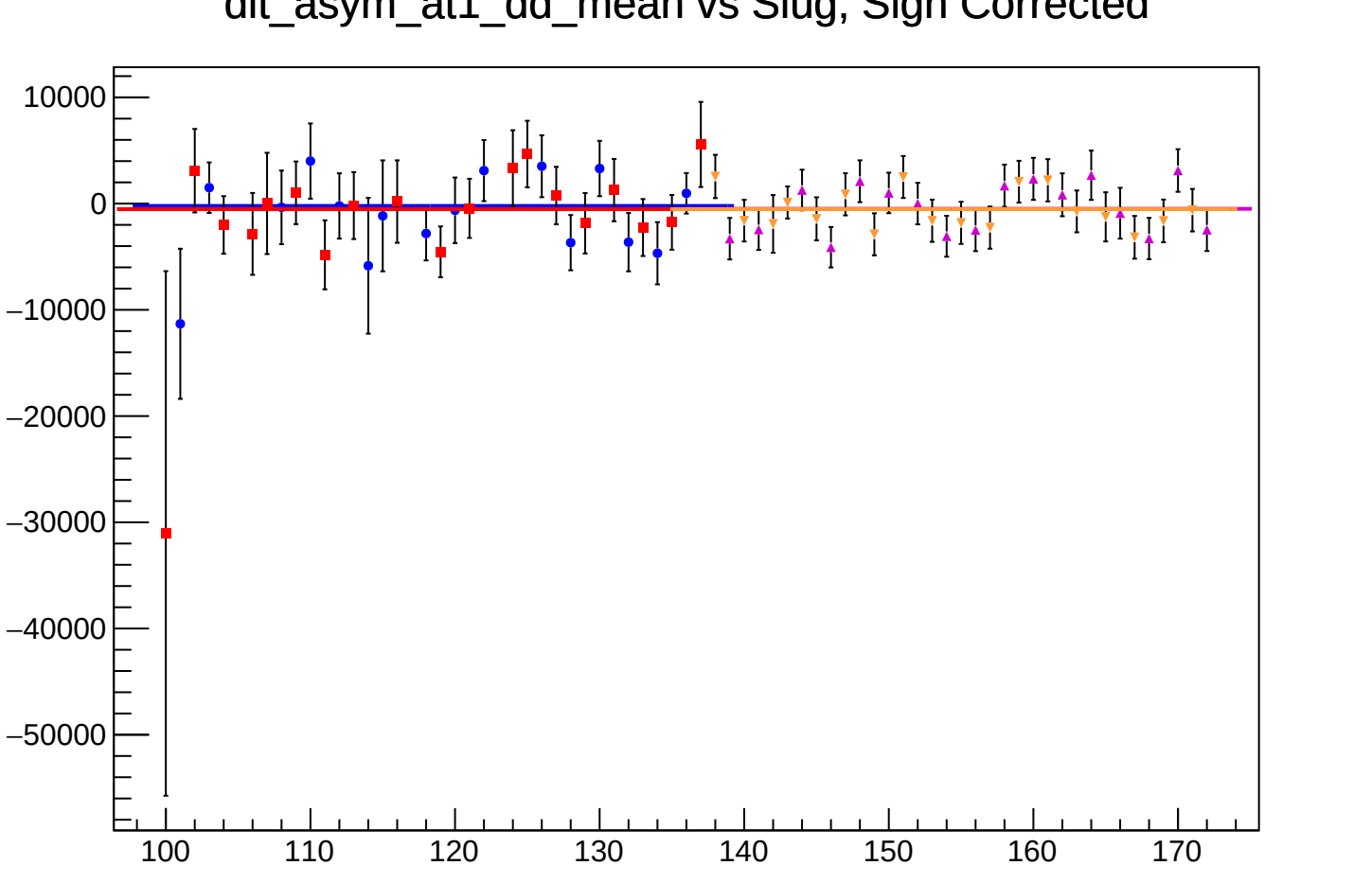
Left: 434.539+/-0.058 χ^2/NDF: 737244.0/34

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

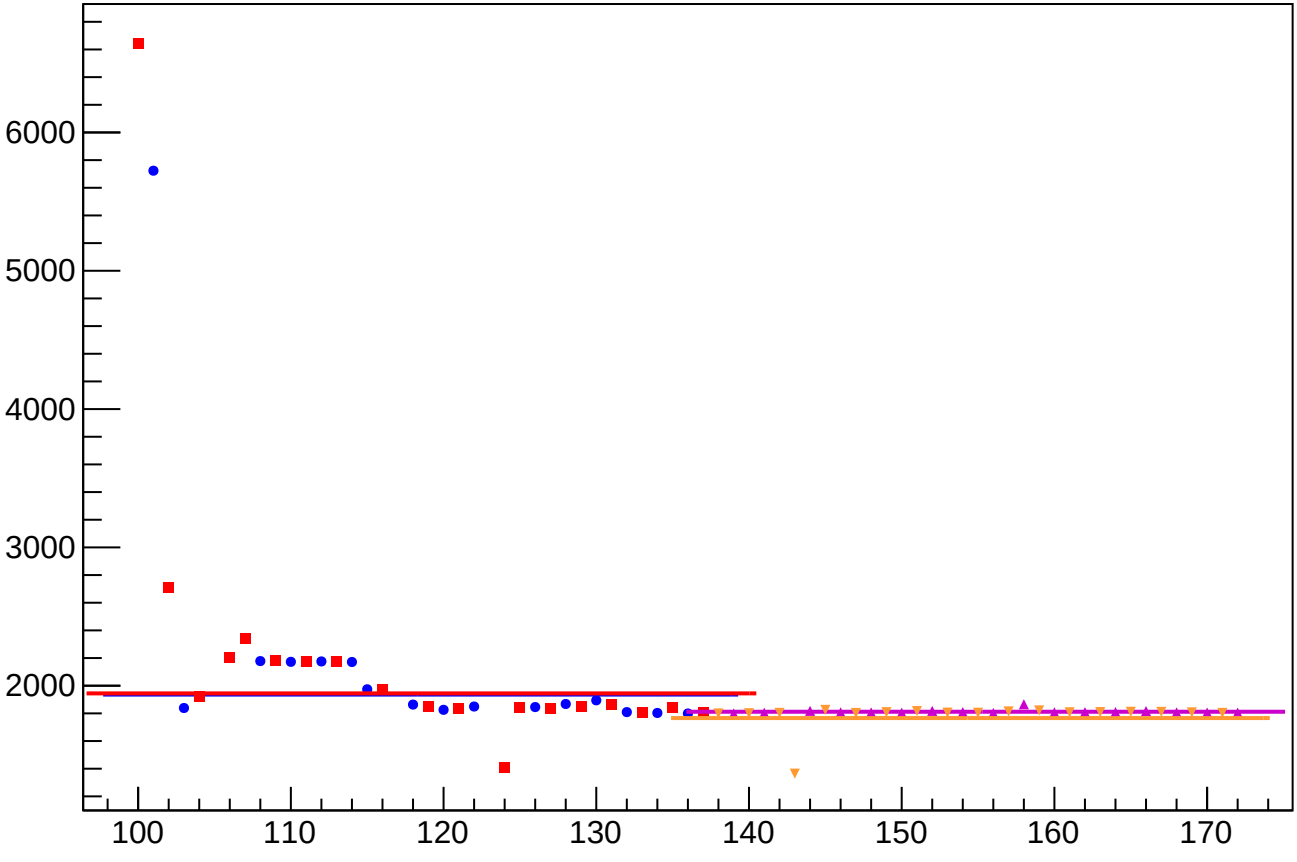
In: 465.914+/-0.075 χ^2/NDF:3354982.1/32

Out: 465.909+/-0.075 χ^2/NDF:4077475.8/36

All: 465.911+/-0.053 χ^2/NDF: 7432457.9/69


dit_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: -220.393+/-735.888 χ²/NDF: 17.1/15
Left Out: -518.478+/-468.993 χ²/NDF:14.7/17
Right Out: -520.265+/-724.980 χ²/NDF: 15.6/18
Left In: -489.455+/-483.618 χ²/NDF:24.6/16
Left: -504.412+/-336.680 χ²/NDF: 39.3/34
Right: -372.568+/-516.452 χ²/NDF: 32.8/34
In: -408.299+/-404.153 χ²/NDF:41.8/32
Out: -519.005+/-393.780 χ²/NDF:30.3/36
All: -465.091+/-282.041 χ²/NDF: 72.2/69

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1766.146+/-0.332 χ^2/NDF:157223.5/17

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1811.773+/-0.342 χ^2/NDF:1785.7/16

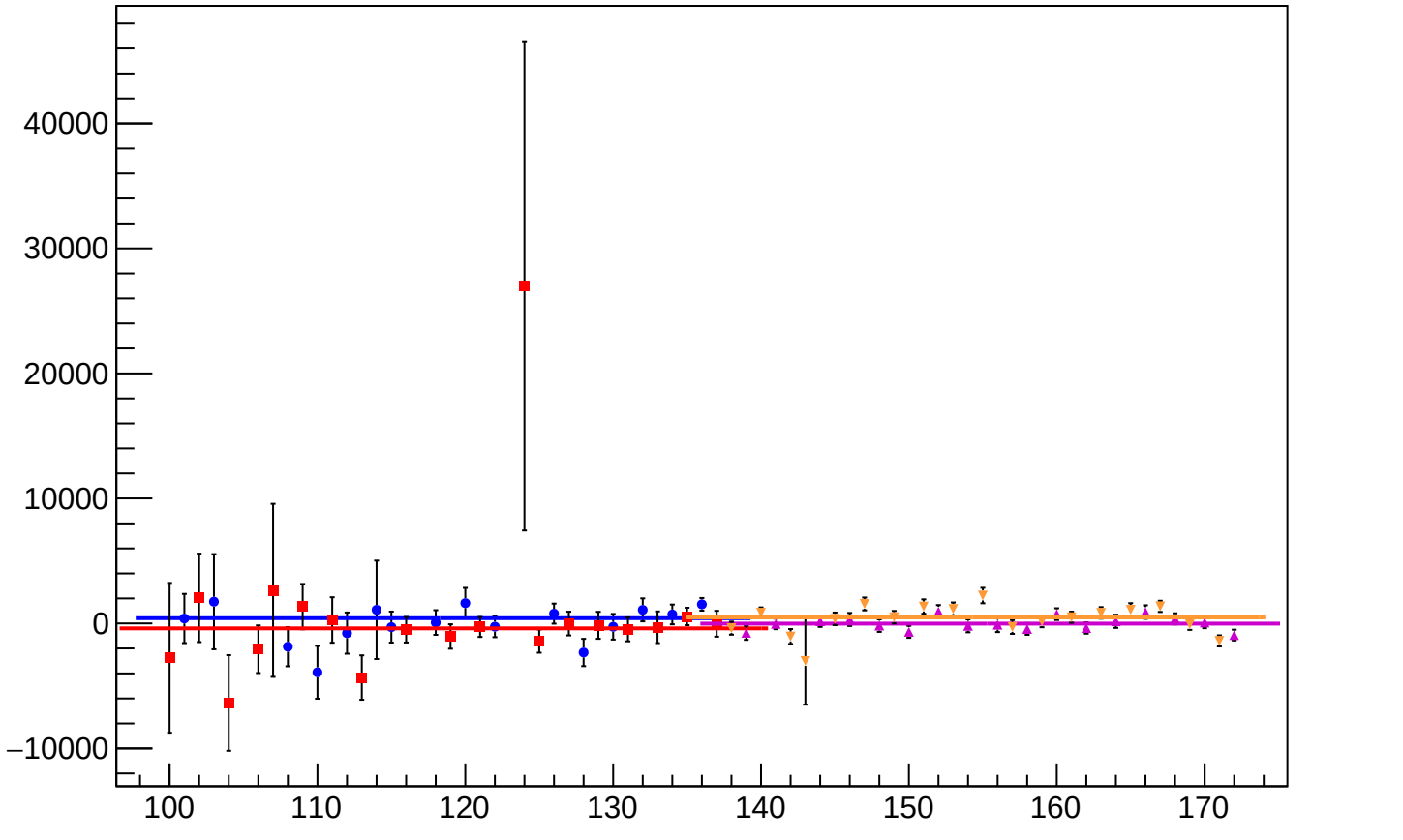
Left: 1788.259+/-0.238 χ^2/NDF: 168183.7/34

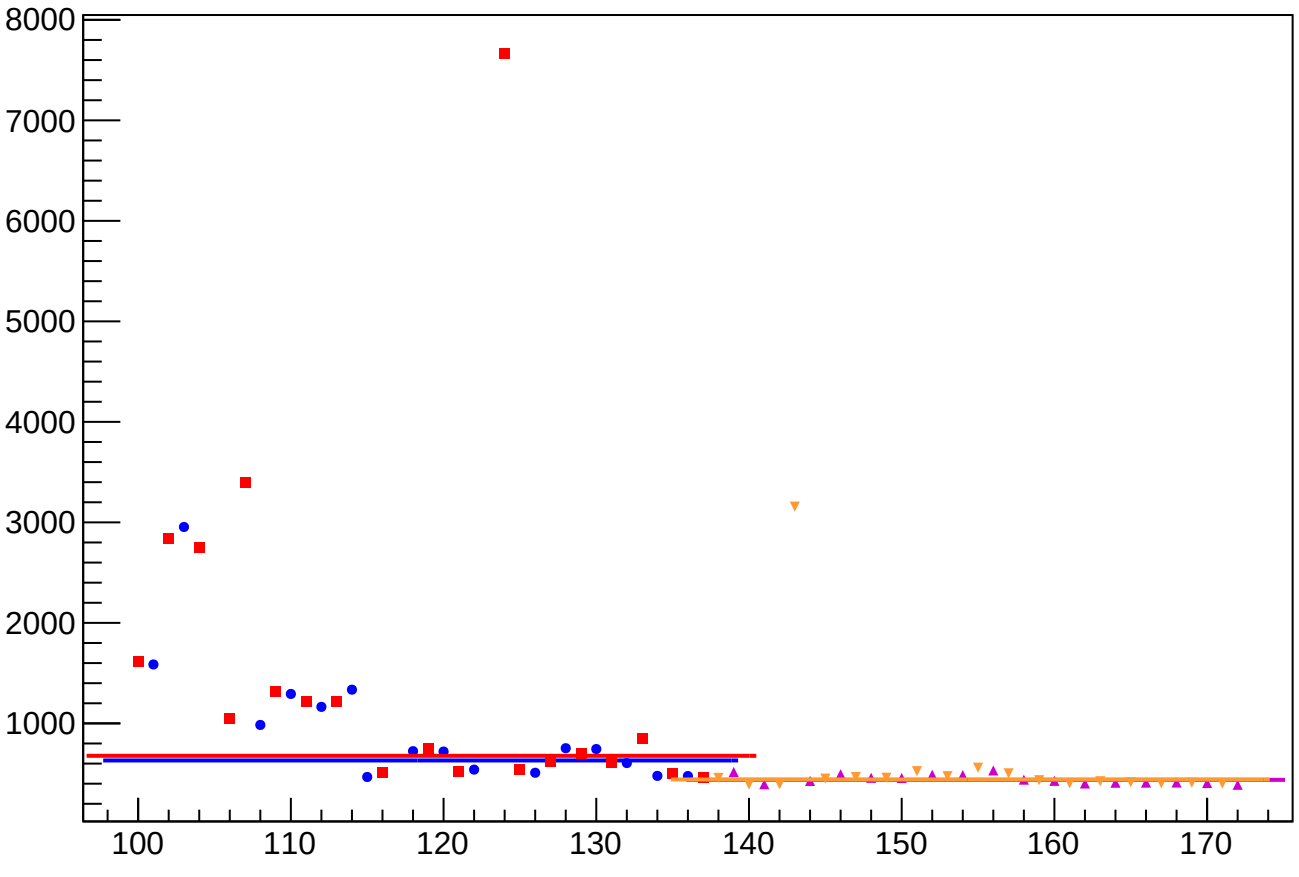
Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1849.236+/-0.286 χ^2/NDF:681381.0/32

Out: 1818.763+/-0.278 χ^2/NDF:518776.0/36

All: 1833.603+/-0.199 χ^2/NDF: 1205989.8/69


asym_at1_dd_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: 421.145+/-256.749 χ²/NDF: 21.5/15
Left Out: 483.111+/-120.492 χ²/NDF:54.8/17
Right Out: -393.590+/-279.562 χ²/NDF: 15.9/18
Left In: -16.534+/-117.695 χ²/NDF:20.1/16
Left: 227.423+/-84.194 χ²/NDF: 83.7/34
Right: 48.371+/-189.101 χ²/NDF: 41.9/34
In: 59.467+/-106.990 χ²/NDF:44.0/32
Out: 345.767+/-110.652 χ²/NDF:78.9/36
All: 197.801+/-76.915 χ²/NDF: 126.4/69



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 441.796+/-0.085 χ^2/NDF:1466803.4/17

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 438.063+/-0.083 χ^2/NDF:243991.8/16

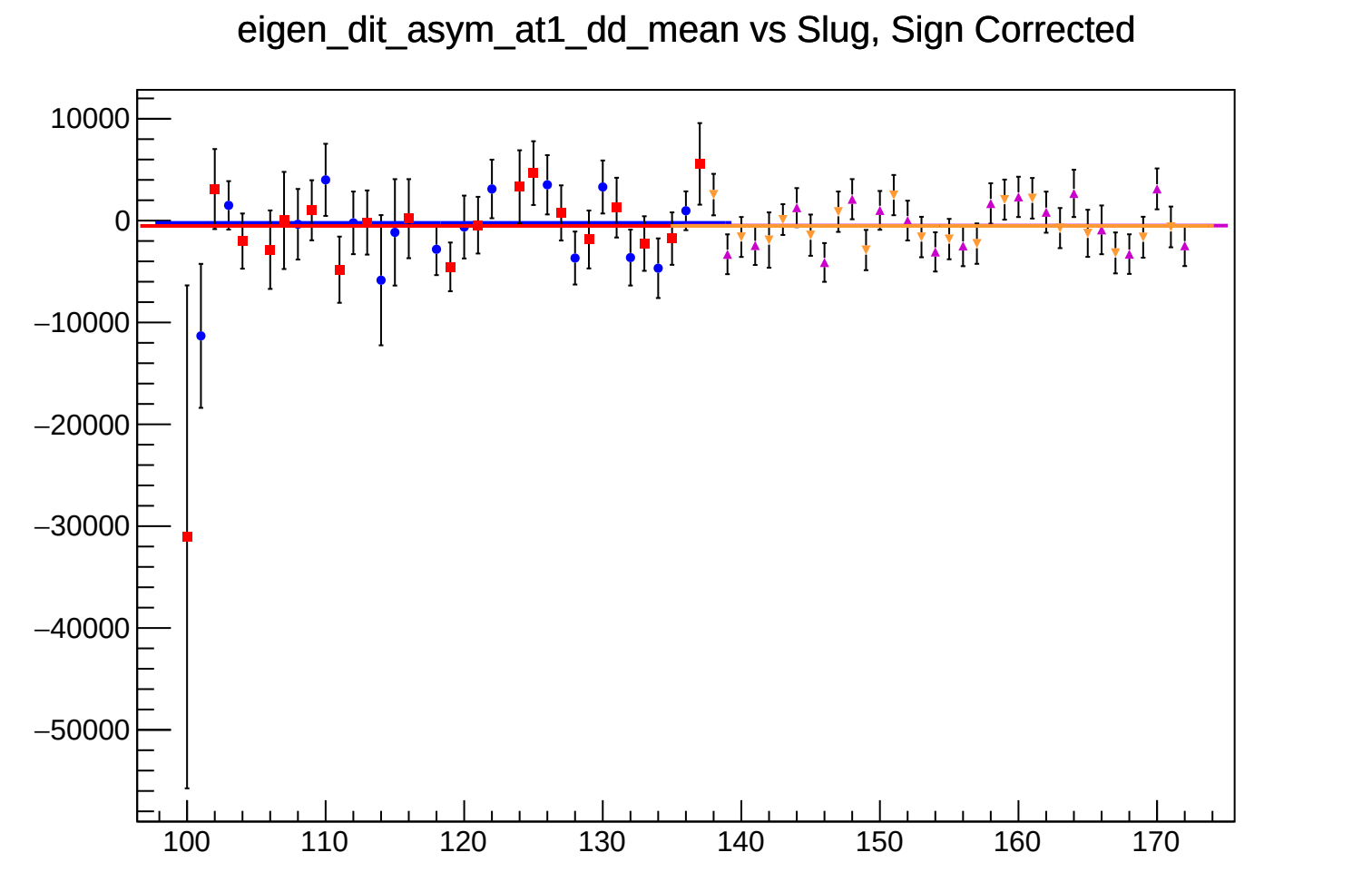
Left: 439.886+/-0.060 χ^2/NDF: 1711777.6/34

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 471.590+/-0.076 χ^2/NDF:3413094.0/32

Out: 478.712+/-0.078 χ^2/NDF:5746707.7/36

All: 475.031+/-0.054 χ^2/NDF: 9164083.5/69



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -518.479+/-468.993 χ^2/NDF:14.7/17

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -489.455+/-483.618 χ^2/NDF:24.6/16

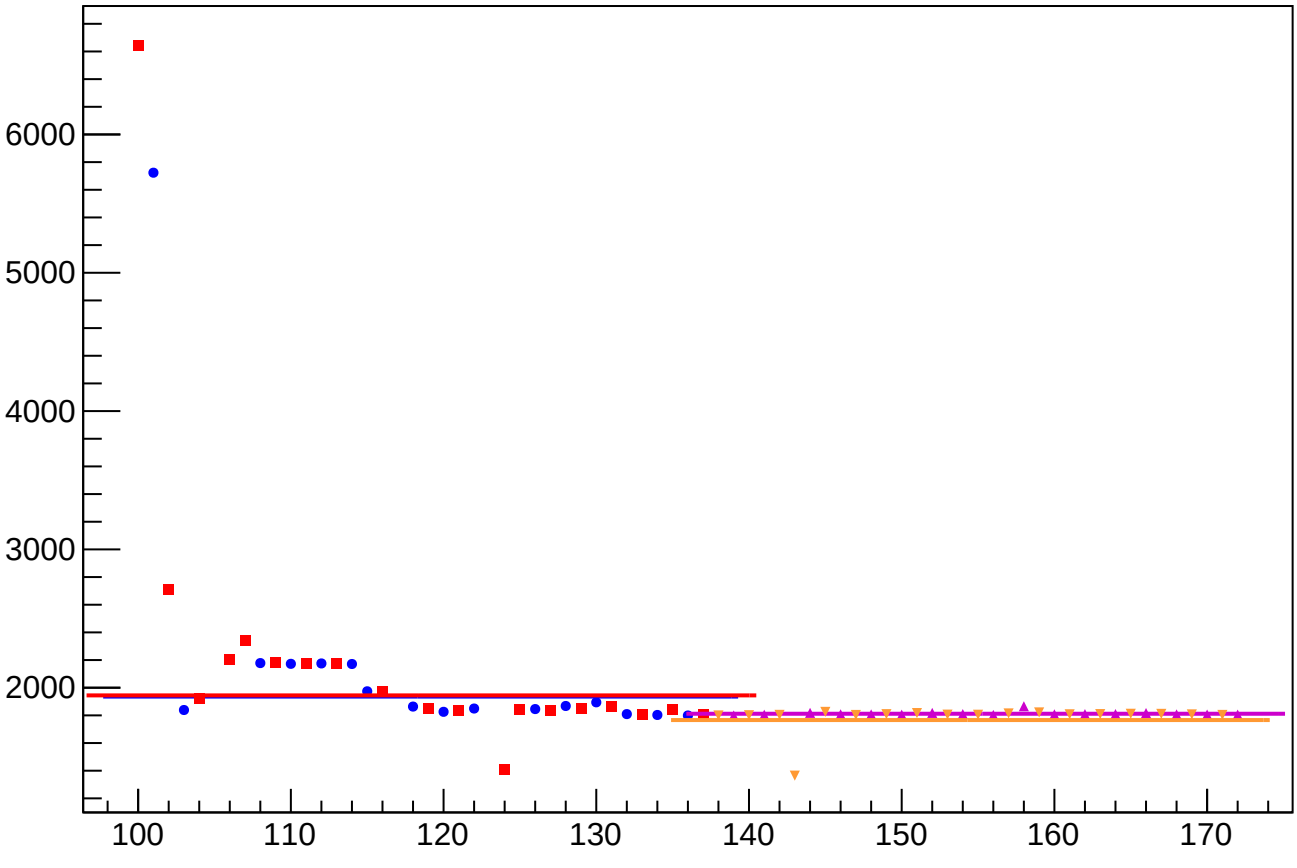
Left: -504.412+/-336.680 χ^2/NDF: 39.3/34

Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -408.299+/-404.153 χ^2/NDF:41.8/32

Out: -519.006+/-393.780 χ^2/NDF:30.3/36

All: -465.091+/-282.041 χ^2/NDF: 72.2/69



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1766.146+/-0.332 χ^2/NDF:157223.5/17

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: 1788.259+/-0.238 χ^2/NDF: 168183.7/34

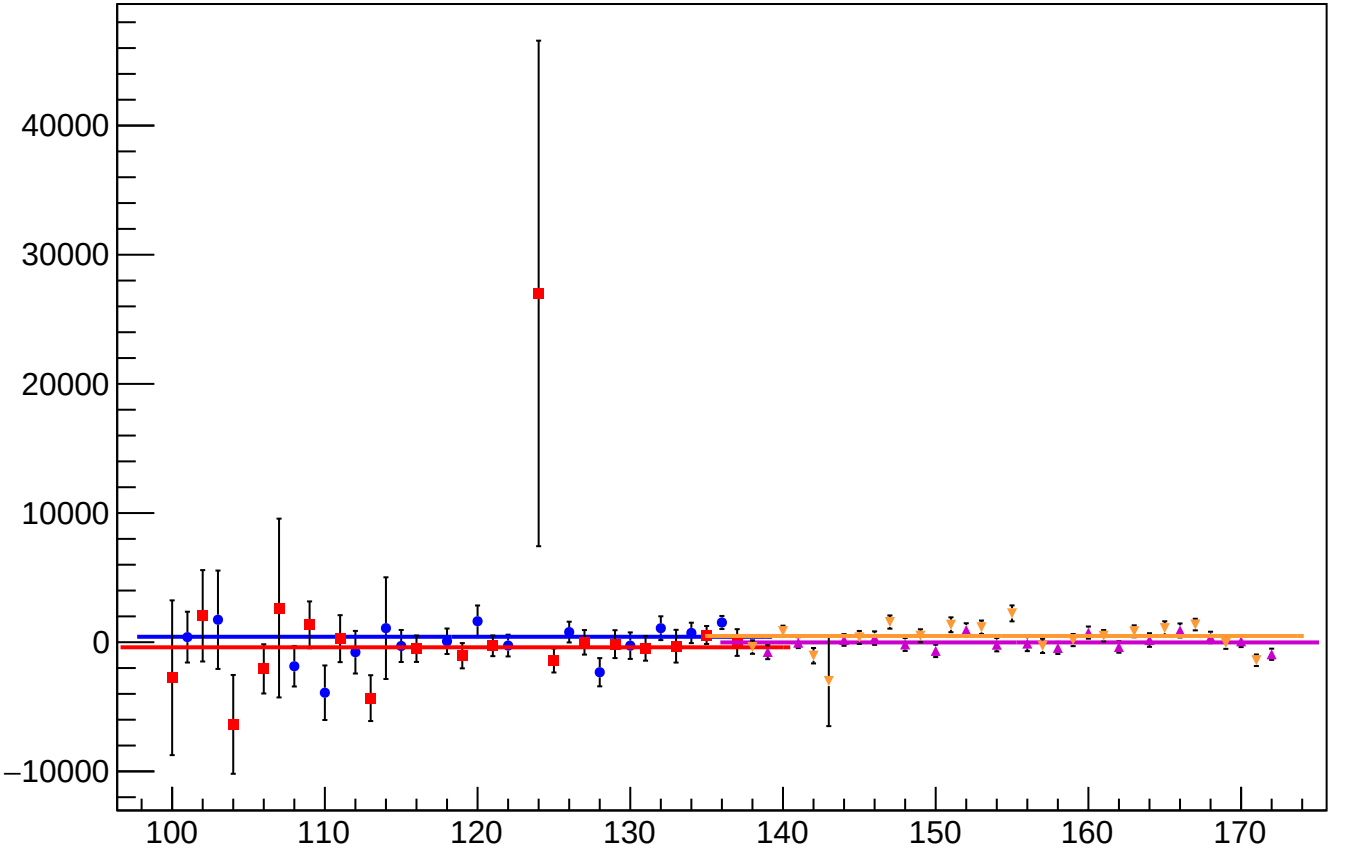
Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1849.236+/-0.286 χ^2/NDF:681381.0/32

Out: 1818.763+/-0.278 χ^2/NDF:518775.8/36

All: 1833.603+/-0.199 χ^2/NDF: 1205989.6/69

asym_at1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 483.111+/-120.492 χ^2/NDF:54.8/17

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: 227.423+/-84.194 χ^2/NDF: 83.7/34

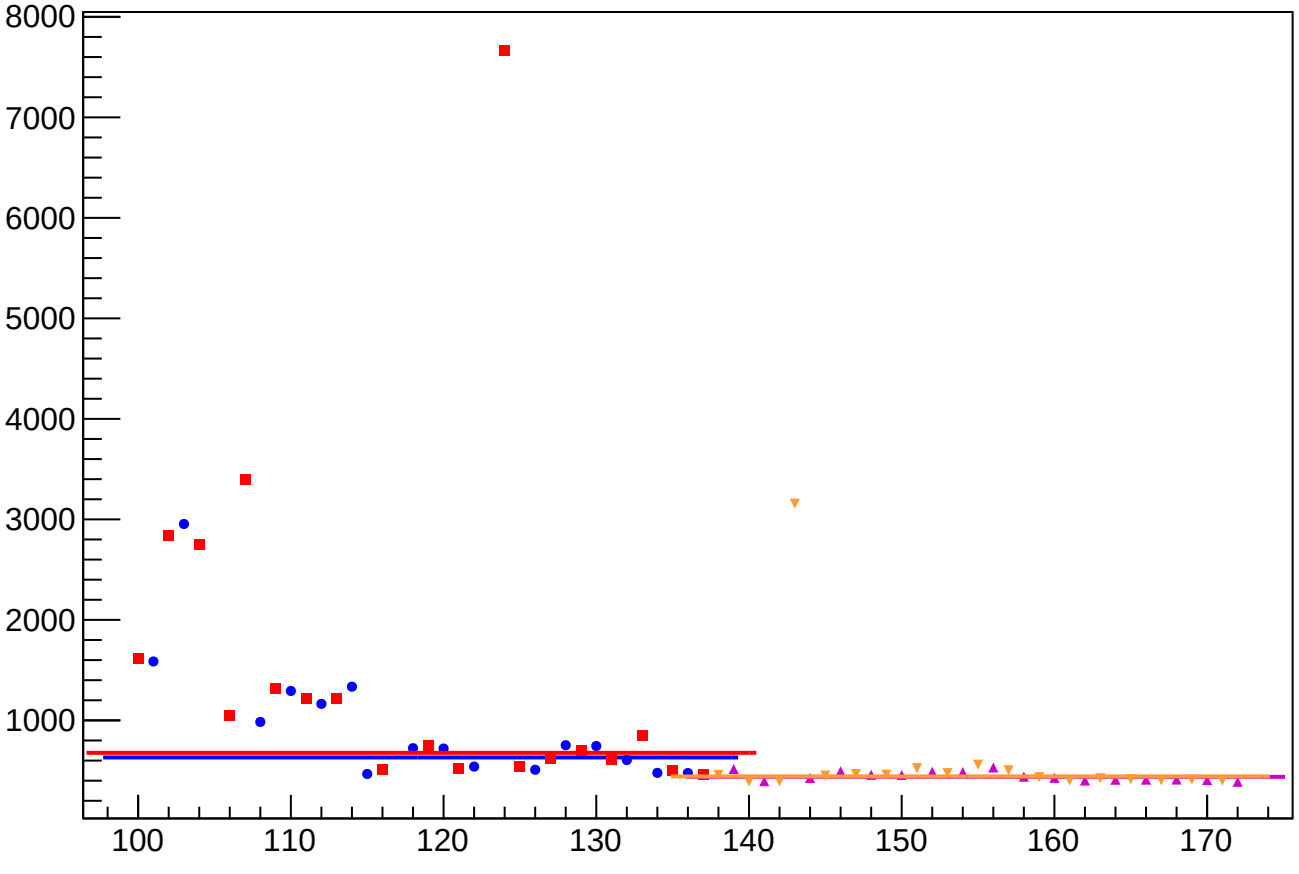
Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 59.468+/-106.990 χ^2/NDF:44.0/32

Out: 345.766+/-110.652 χ^2/NDF:78.9/36

All: 197.801+/-76.915 χ^2/NDF: 126.4/69

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: 441.796+/-0.085 χ^2/NDF:1466805.1/17

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: 439.886+/-0.060 χ^2/NDF: 1711781.7/34

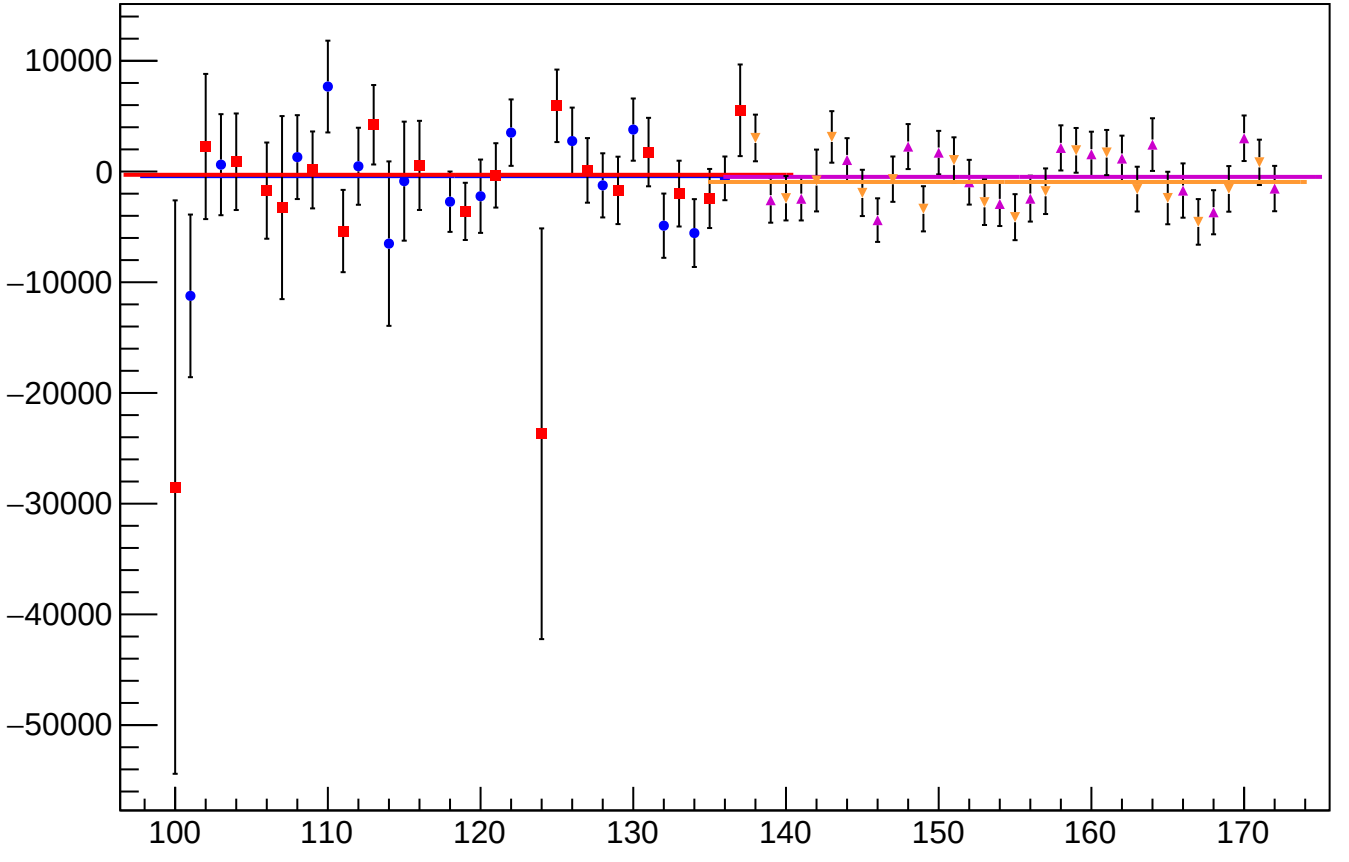
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 471.590+/-0.076 χ^2/NDF:3413095.7/32

Out: 478.712+/-0.078 χ^2/NDF:5746711.5/36

All: 475.031+/-0.054 χ^2/NDF: 9164088.9/69

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -943.364+/-496.818 χ^2/NDF:21.1/17

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: -713.612+/-351.724 χ^2/NDF: 44.4/34

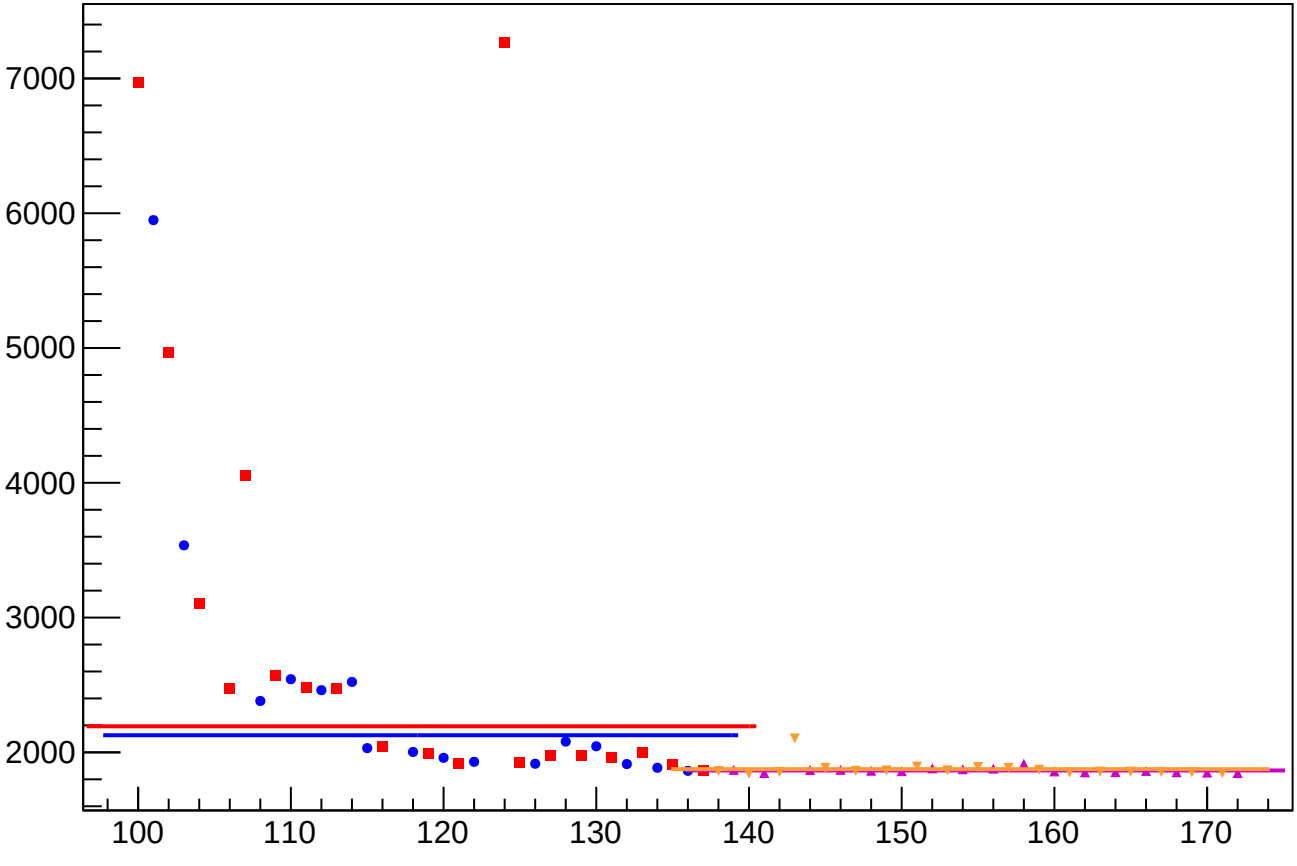
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -465.071+/-425.006 χ^2/NDF:41.2/32

Out: -772.700+/-426.503 χ^2/NDF:37.2/36

All: -618.344+/-301.052 χ^2/NDF: 78.7/69

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1875.411+/-0.351 χ^2/NDF:21787.1/17

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1865.661+/-0.352 χ^2/NDF:2165.2/16

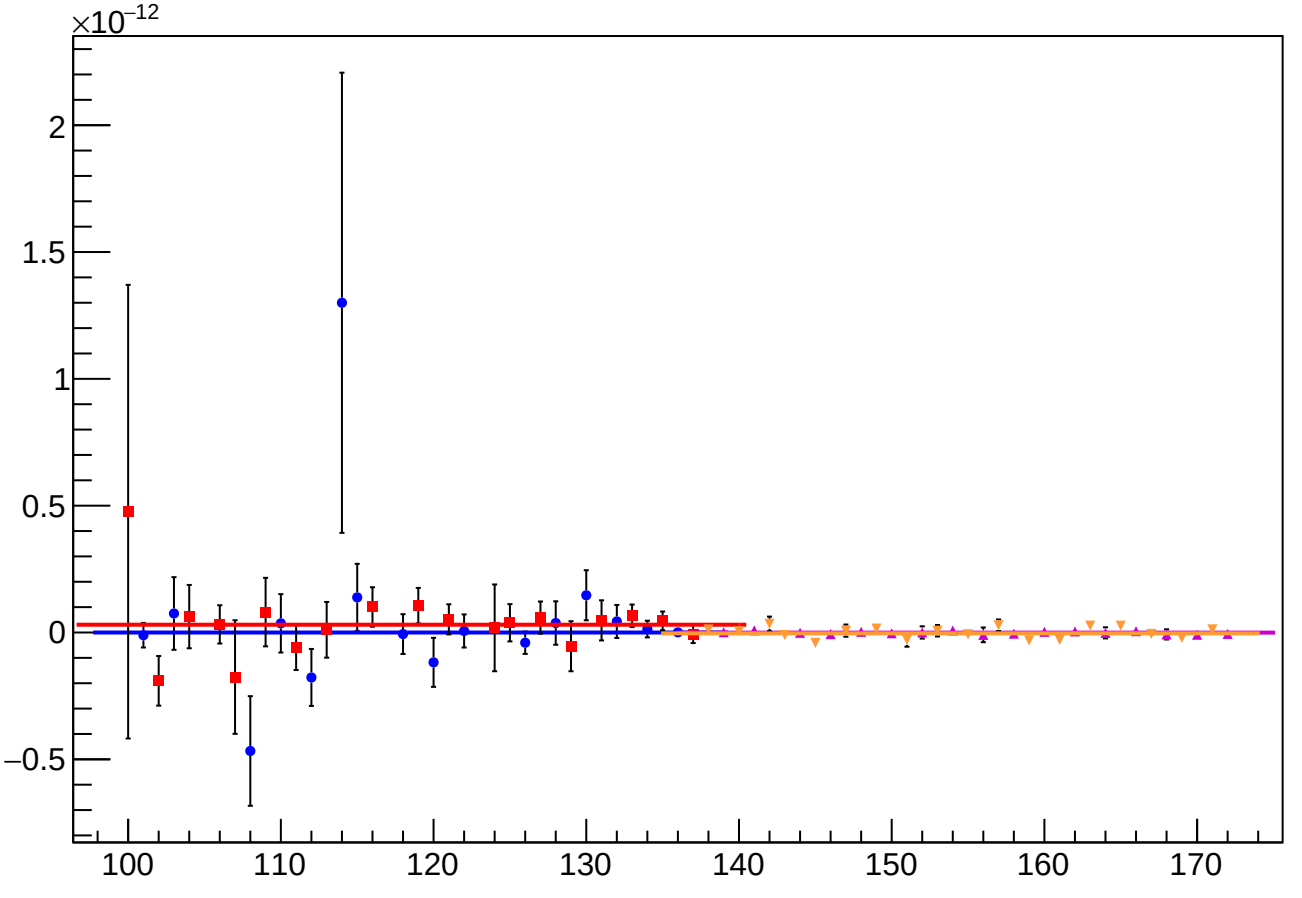
Left: 1870.547+/-0.249 χ^2/NDF: 24336.5/34

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1936.676+/-0.301 χ^2/NDF:1026929.3/32

Out: 1959.094+/-0.302 χ^2/NDF:1180094.9/36

All: 1947.846+/-0.213 χ^2/NDF: 2209796.6/69



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.9/17

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:2.2/16

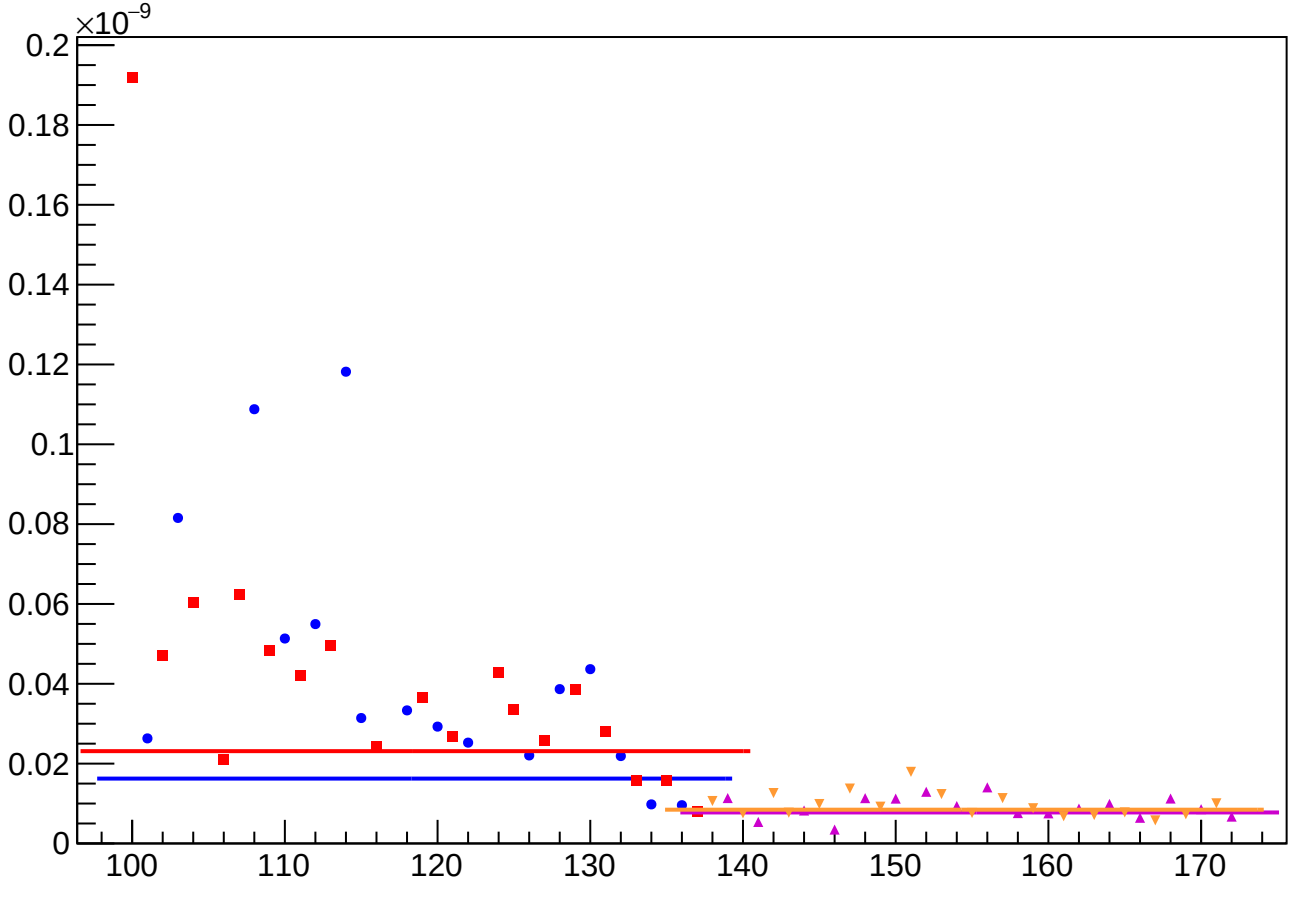
Left: -0.000+/-0.000 χ^2/NDF: 32.4/34

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:46.7/36

All: -0.000+/-0.000 χ^2/NDF: 65.1/69



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:767899.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:994256.4/16

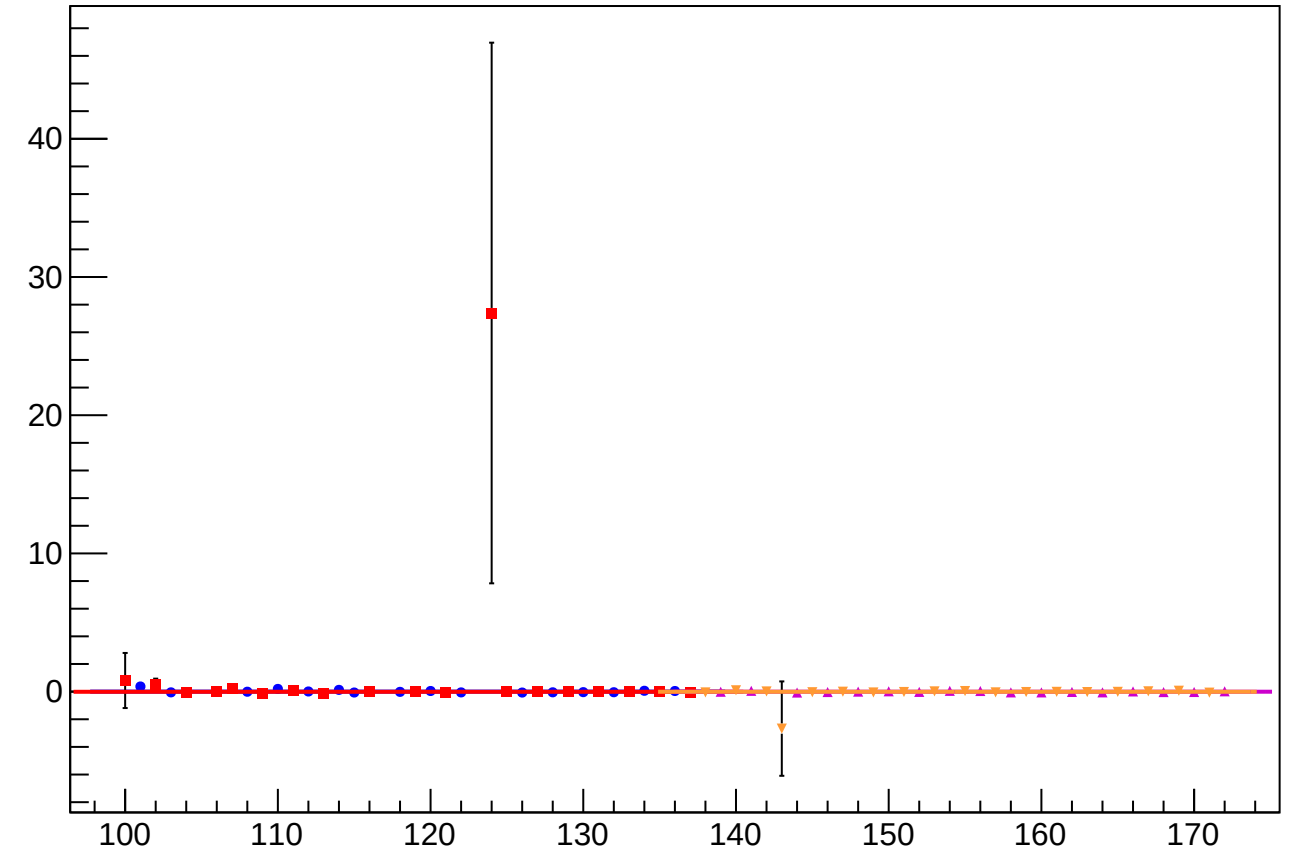
Left: 0.000+/-0.000 χ^2/NDF: 1794606.7/34

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:3820922.8/36

All: 0.000+/-0.000 χ^2/NDF: 8072221.8/69



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.009+/-0.010 χ^2/NDF:24.6/17

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.006+/-0.009 χ^2/NDF:18.0/16

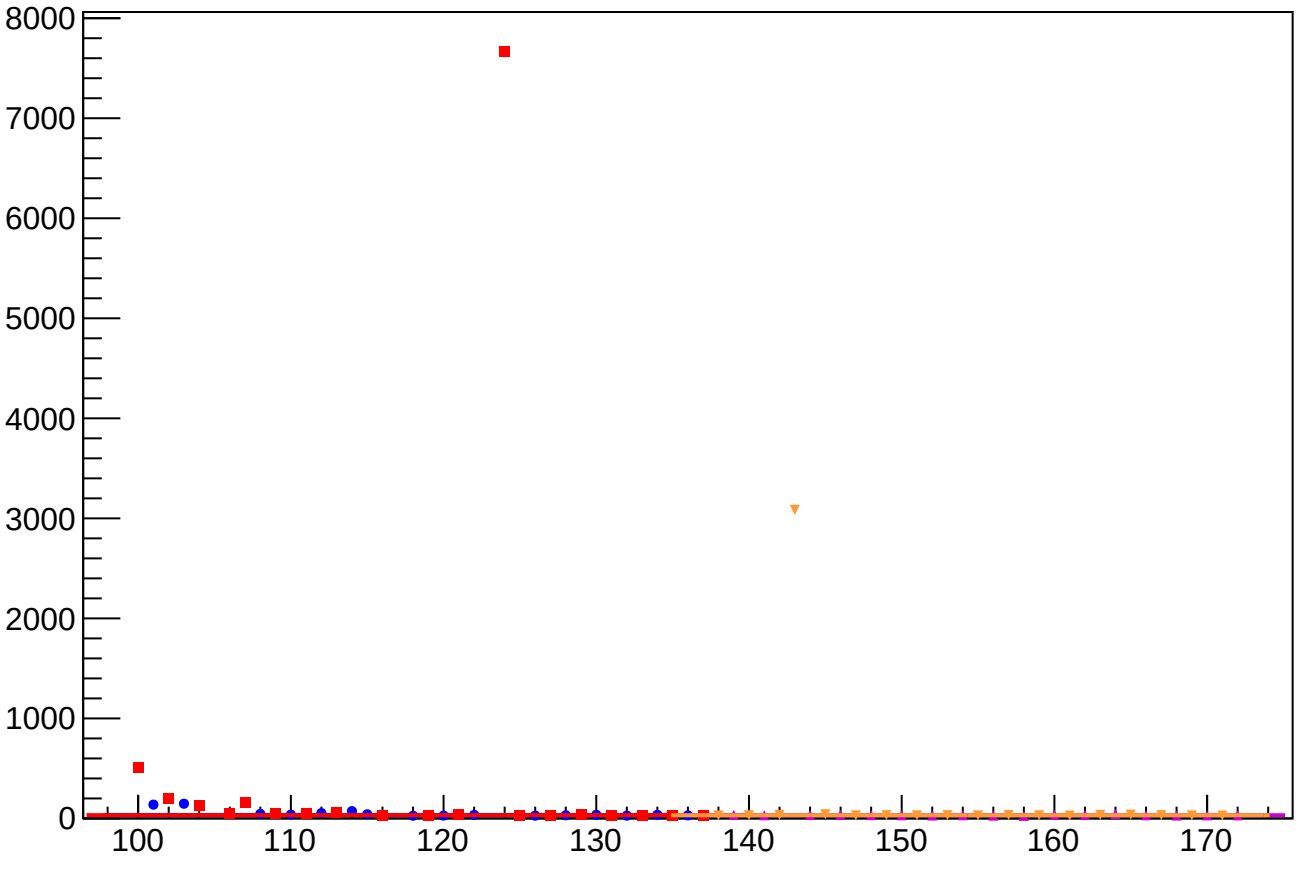
Left: -0.008+/-0.007 χ^2/NDF: 42.6/34

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.004+/-0.008 χ^2/NDF:39.2/32

Out: -0.010+/-0.008 χ^2/NDF:38.8/36

All: -0.007+/-0.006 χ^2/NDF: 78.3/69



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.171+/-0.007 χ^2/NDF:1773085.2/17

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: 32.201+/-0.005 χ^2/NDF: 2040890.8/34

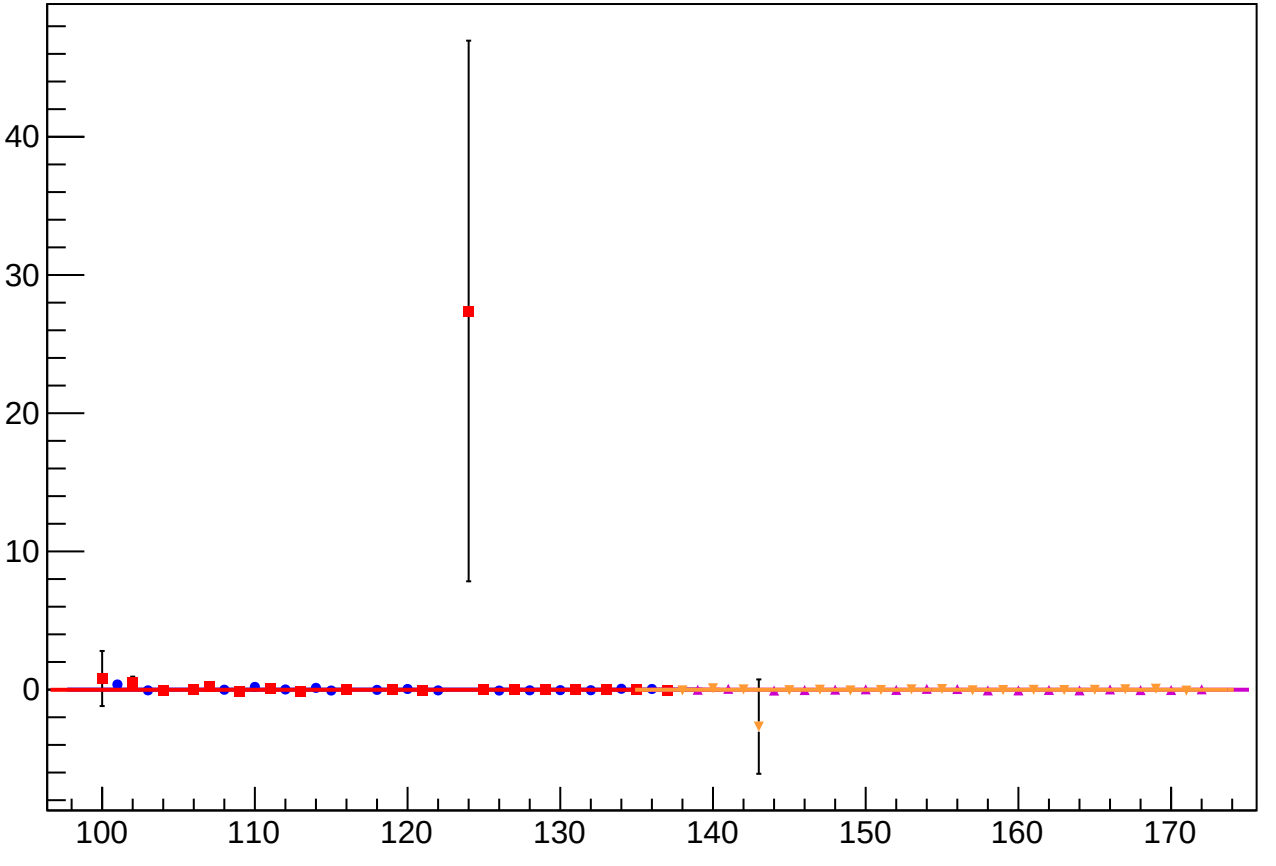
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.755+/-0.006 χ^2/NDF:2006819.5/32

Out: 32.436+/-0.006 χ^2/NDF:3853563.2/36

All: 32.597+/-0.004 χ^2/NDF: 5861996.6/69

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.009+/-0.010 χ^2/NDF:24.6/17

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: -0.008+/-0.007 χ^2/NDF: 42.6/34

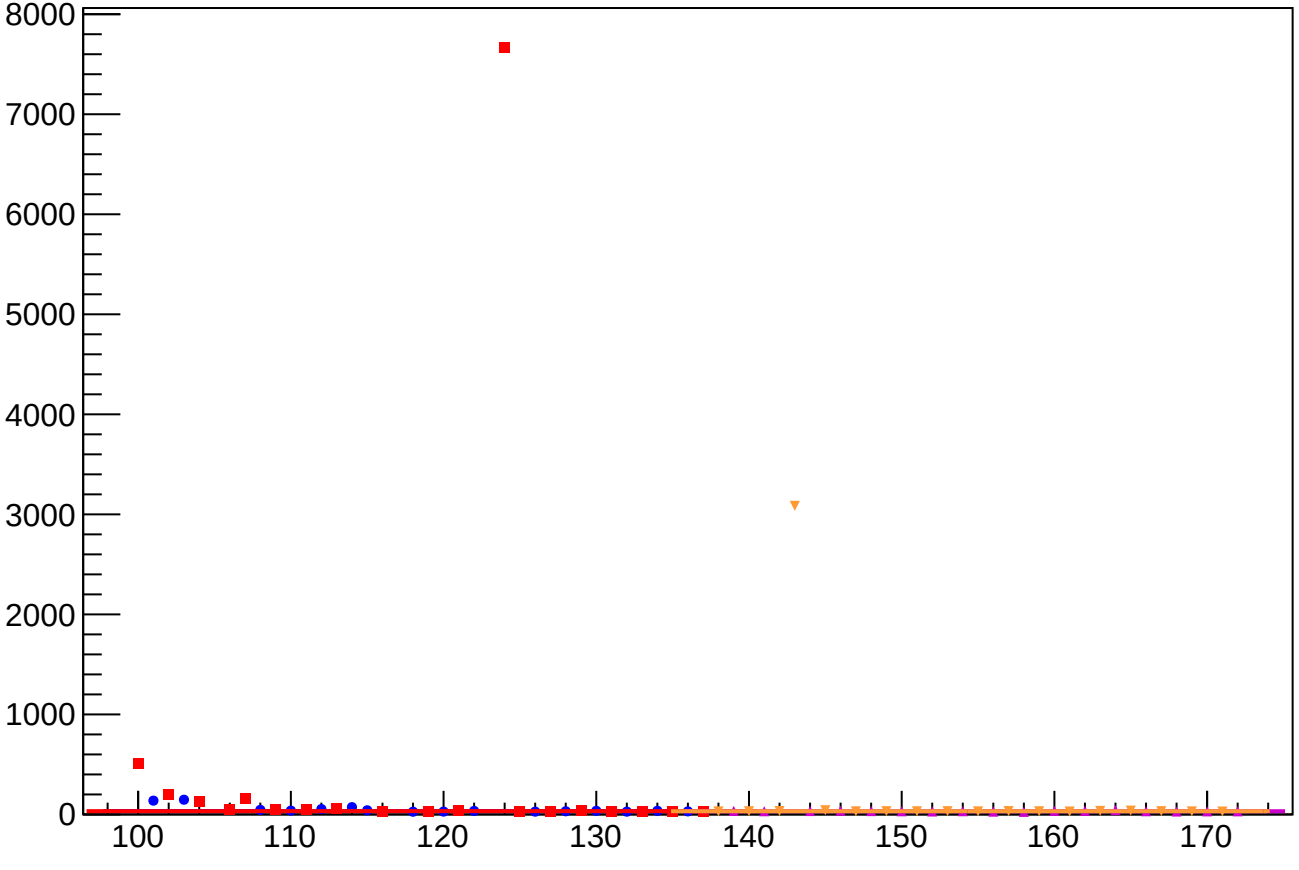
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.004+/-0.008 χ^2/NDF:39.2/32

Out: -0.010+/-0.008 χ^2/NDF:38.8/36

All: -0.007+/-0.006 χ^2/NDF: 78.3/69

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 32.171+/-0.007 χ^2/NDF:1773085.2/17

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.231+/-0.007 χ^2/NDF:267765.3/16

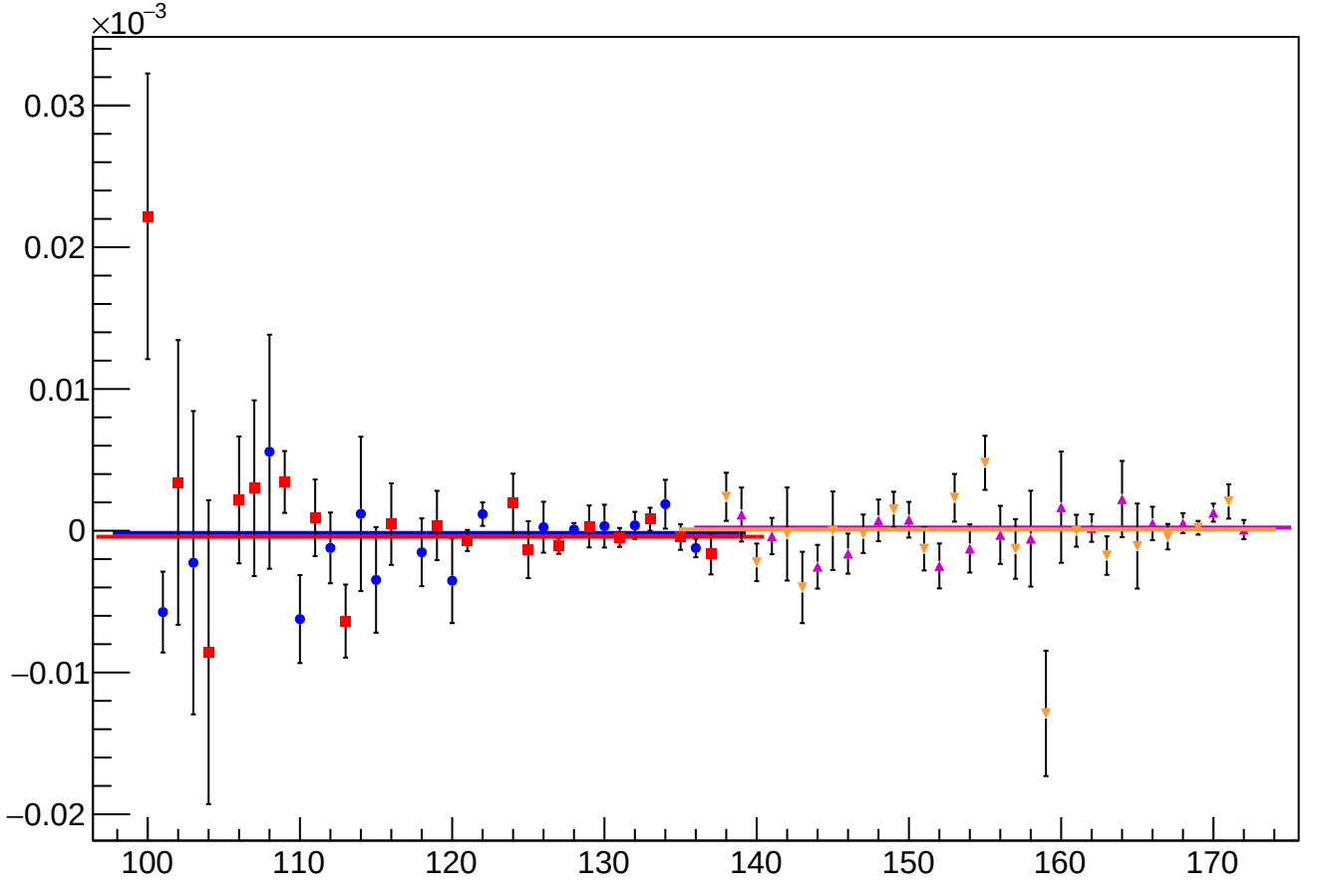
Left: 32.201+/-0.005 χ^2/NDF: 2040890.8/34

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.755+/-0.006 χ^2/NDF:2006819.5/32

Out: 32.436+/-0.006 χ^2/NDF:3853563.2/36

All: 32.597+/-0.004 χ^2/NDF: 5861996.6/69



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.6/17

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:13.2/16

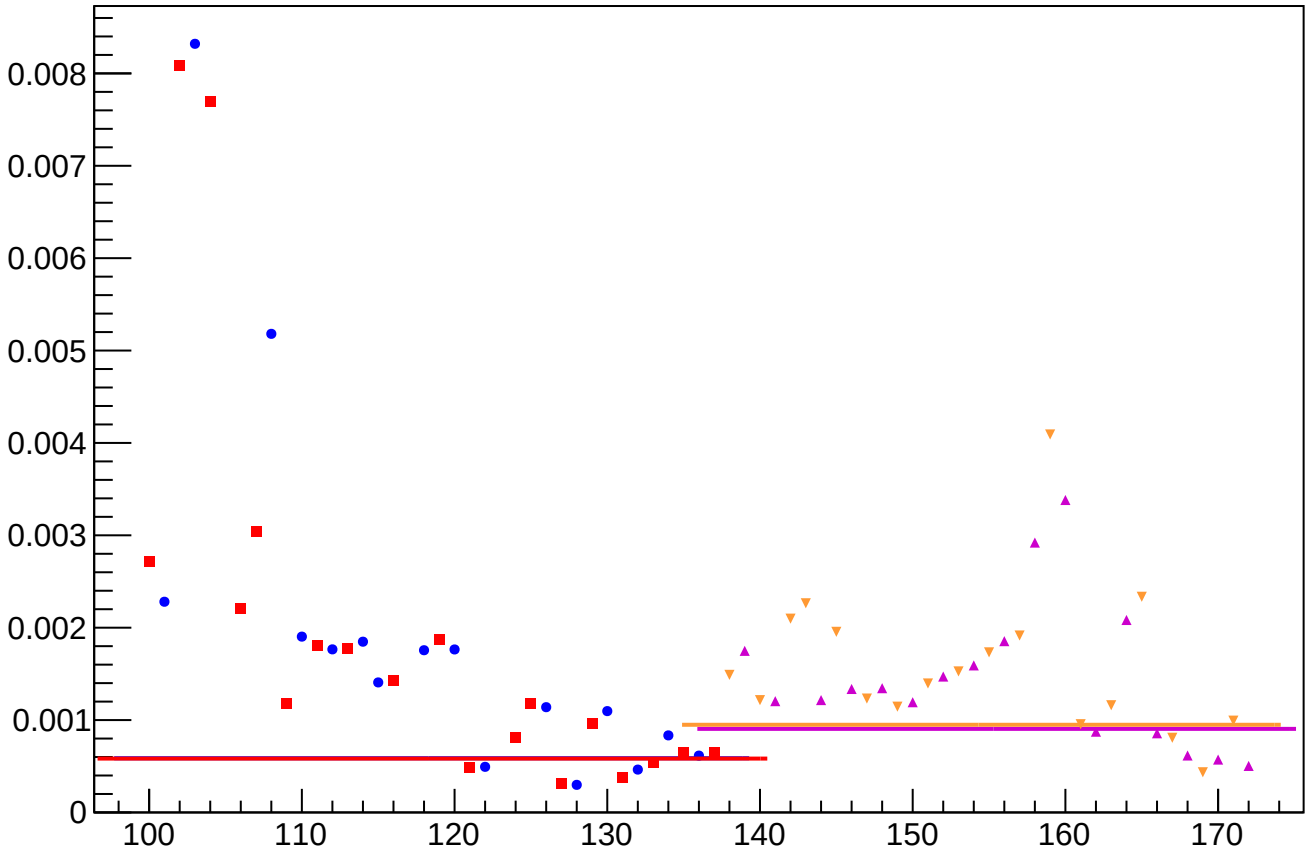
Left: 0.000+/-0.000 χ^2/NDF: 44.8/34

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:54.7/36

All: -0.000+/-0.000 χ^2/NDF: 87.5/69



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:6421660.0/17

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:5542469.2/16

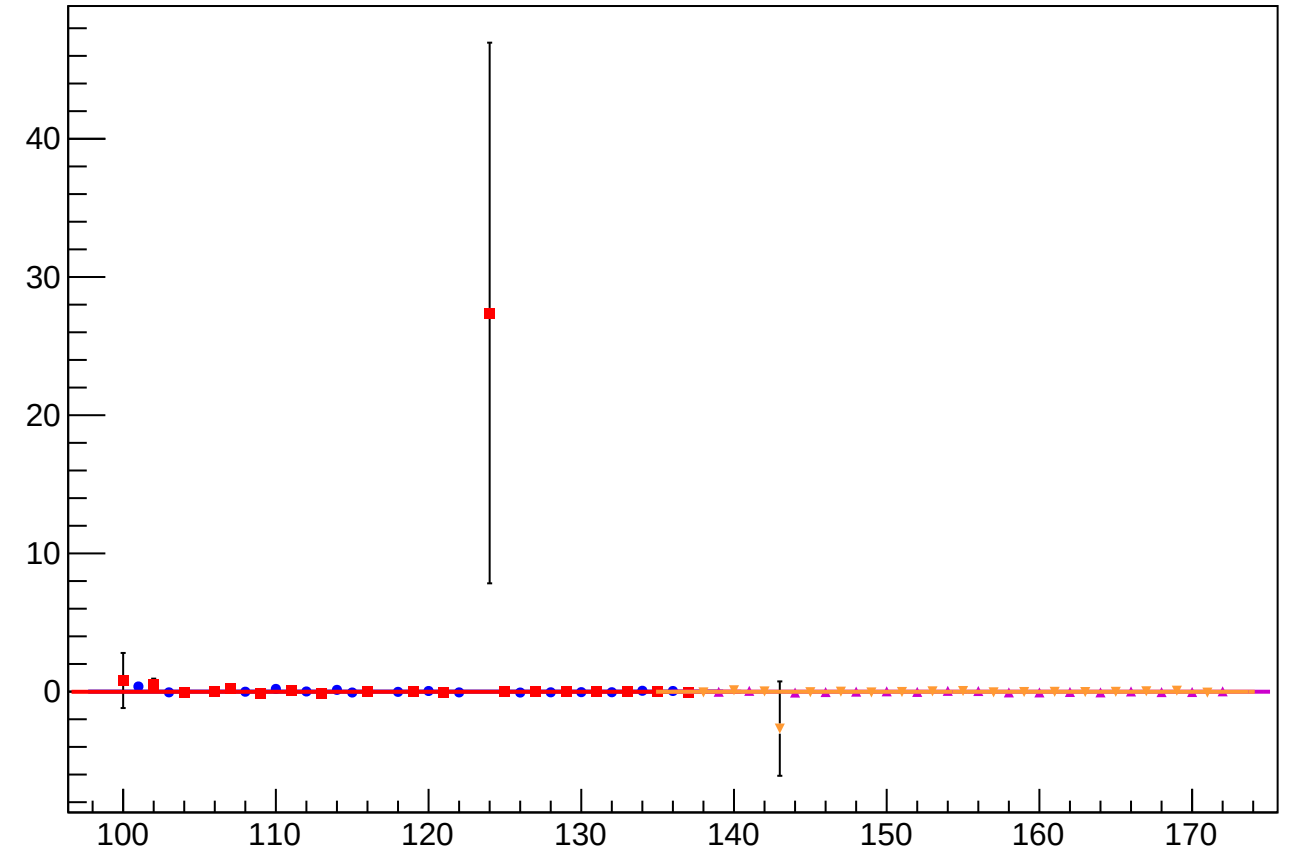
Left: 0.001+/-0.000 χ^2/NDF: 11987748.1/34

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:13440590.9/36

All: 0.001+/-0.000 χ^2/NDF: 25690910.6/69



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.009+/-0.010 χ^2/NDF:24.6/17

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: -0.008+/-0.007 χ^2/NDF: 42.6/34

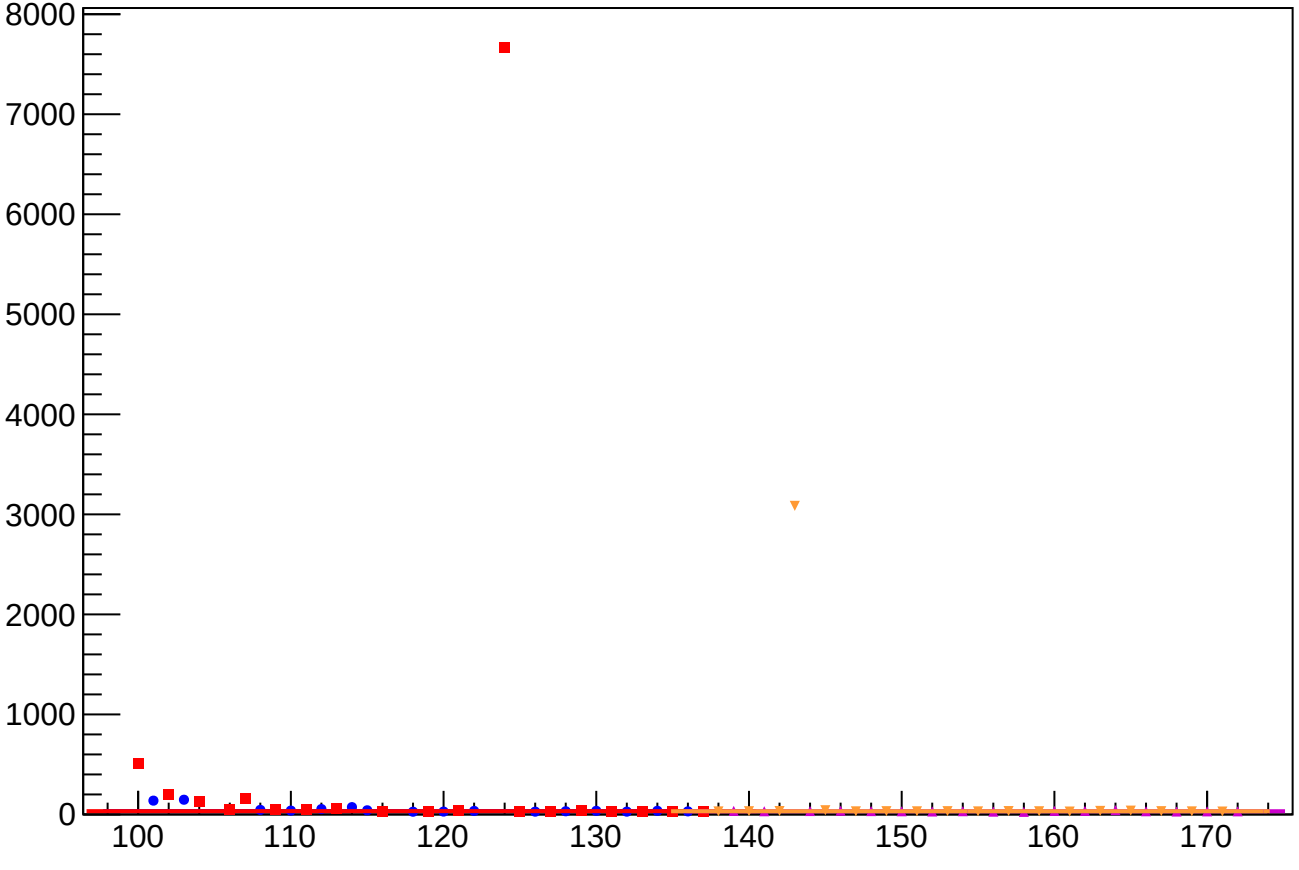
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.004+/-0.008 χ^2/NDF:39.2/32

Out: -0.010+/-0.008 χ^2/NDF:38.8/36

All: -0.007+/-0.006 χ^2/NDF: 78.3/69

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.171+/-0.007 χ^2/NDF:1773080.5/17

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: 32.201+/-0.005 χ^2/NDF: 2040810.3/34

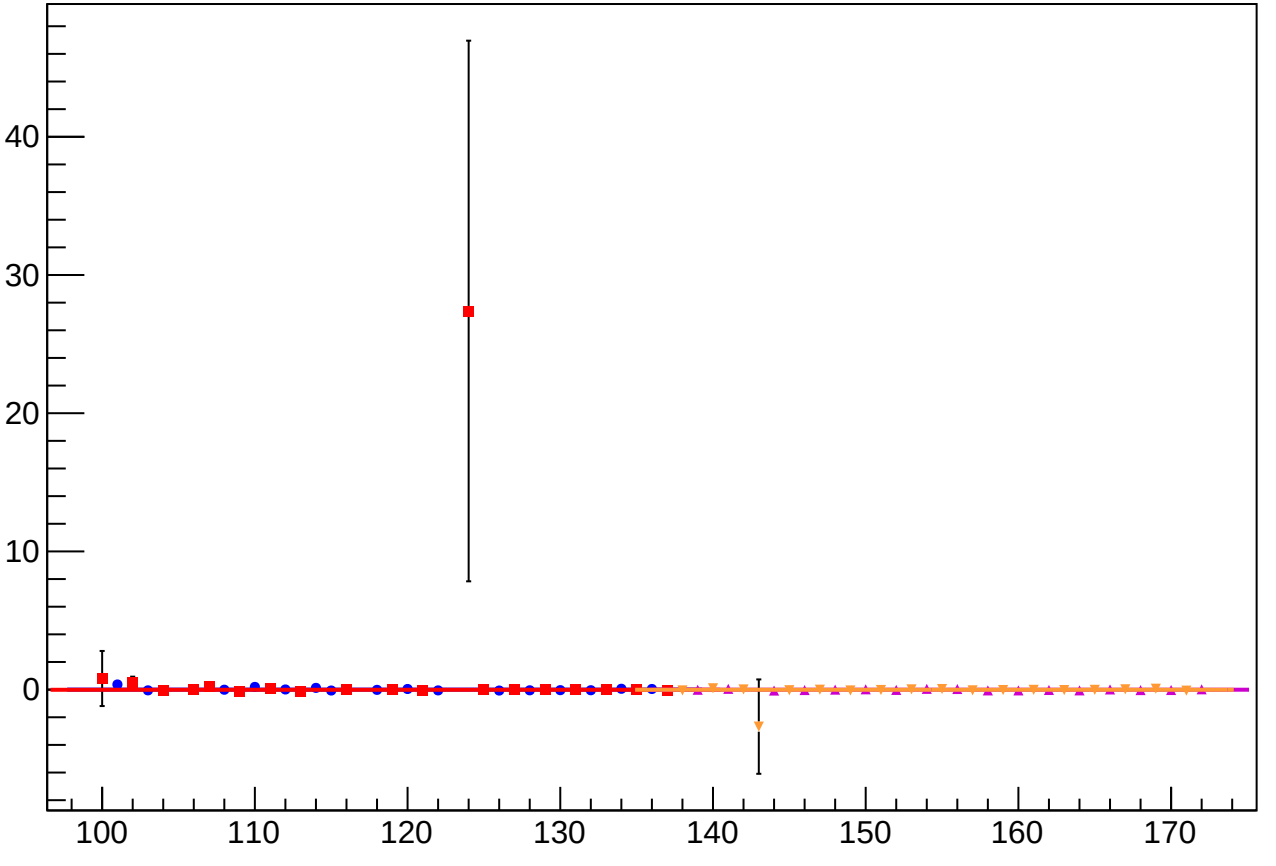
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.756+/-0.006 χ^2/NDF:2006725.9/32

Out: 32.436+/-0.006 χ^2/NDF:3853538.2/36

All: 32.598+/-0.004 χ^2/NDF: 5861880.1/69

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: -0.009+/-0.010 χ^2/NDF:24.6/17

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: -0.008+/-0.007 χ^2/NDF: 42.6/34

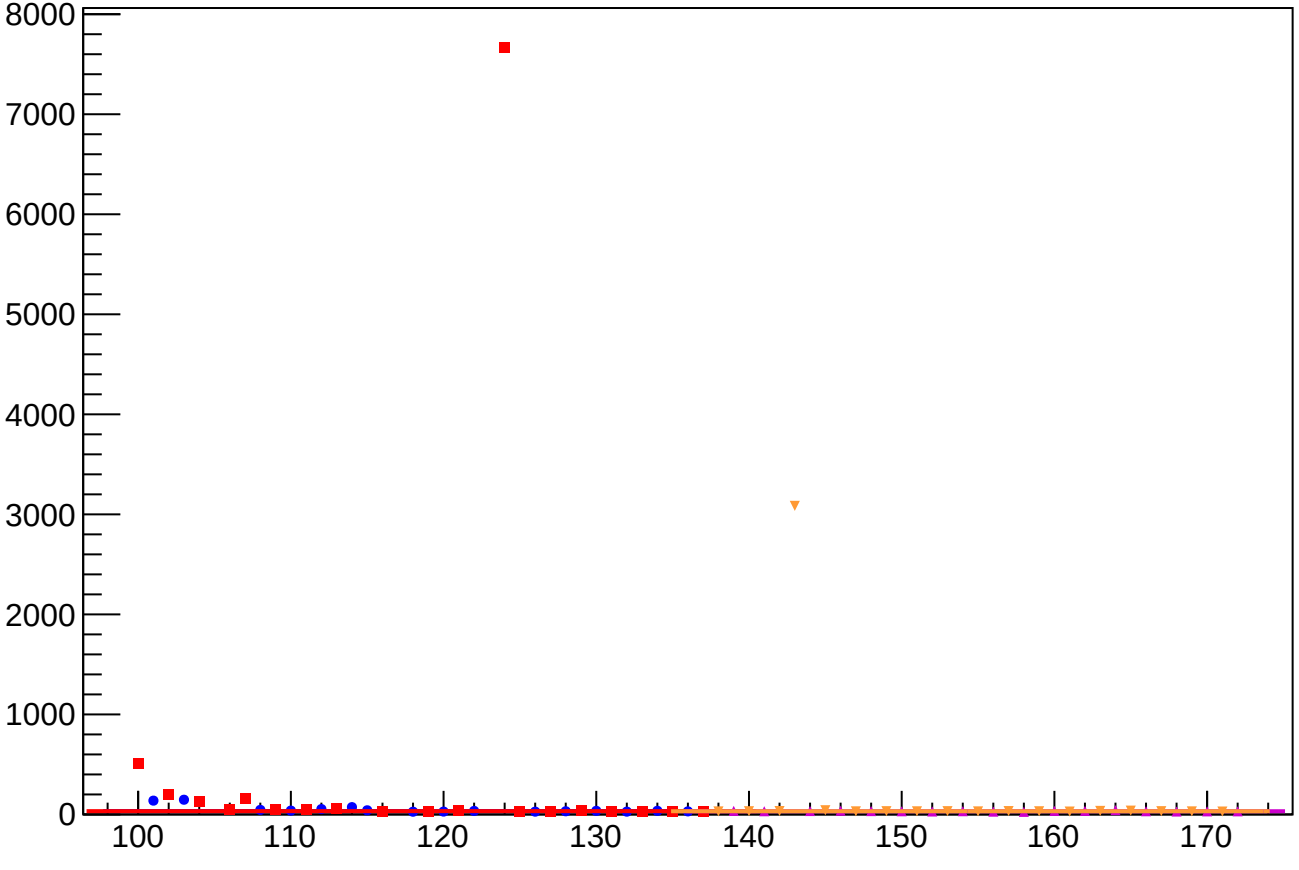
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.004+/-0.008 χ^2/NDF:39.2/32

Out: -0.010+/-0.008 χ^2/NDF:38.8/36

All: -0.007+/-0.006 χ^2/NDF: 78.3/69

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 32.171+/-0.007 χ^2/NDF:1773080.5/17

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.231+/-0.007 χ^2/NDF:267689.2/16

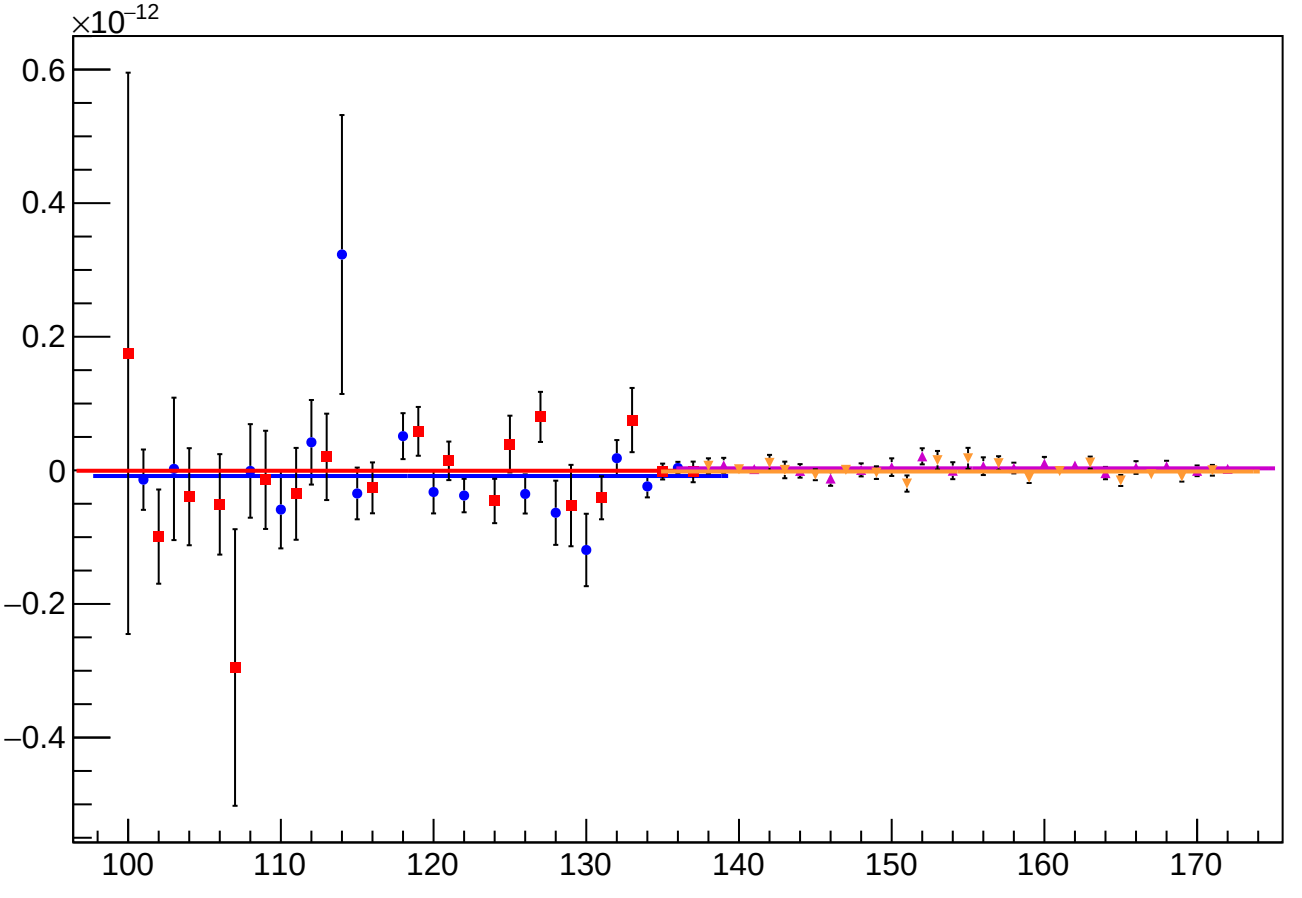
Left: 32.201+/-0.005 χ^2/NDF: 2040810.3/34

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.756+/-0.006 χ^2/NDF:2006725.9/32

Out: 32.436+/-0.006 χ^2/NDF:3853538.2/36

All: 32.598+/-0.004 χ^2/NDF: 5861880.1/69



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.8/17

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/18

Left In: 0.000+/-0.000 χ^2/NDF:6.5/16

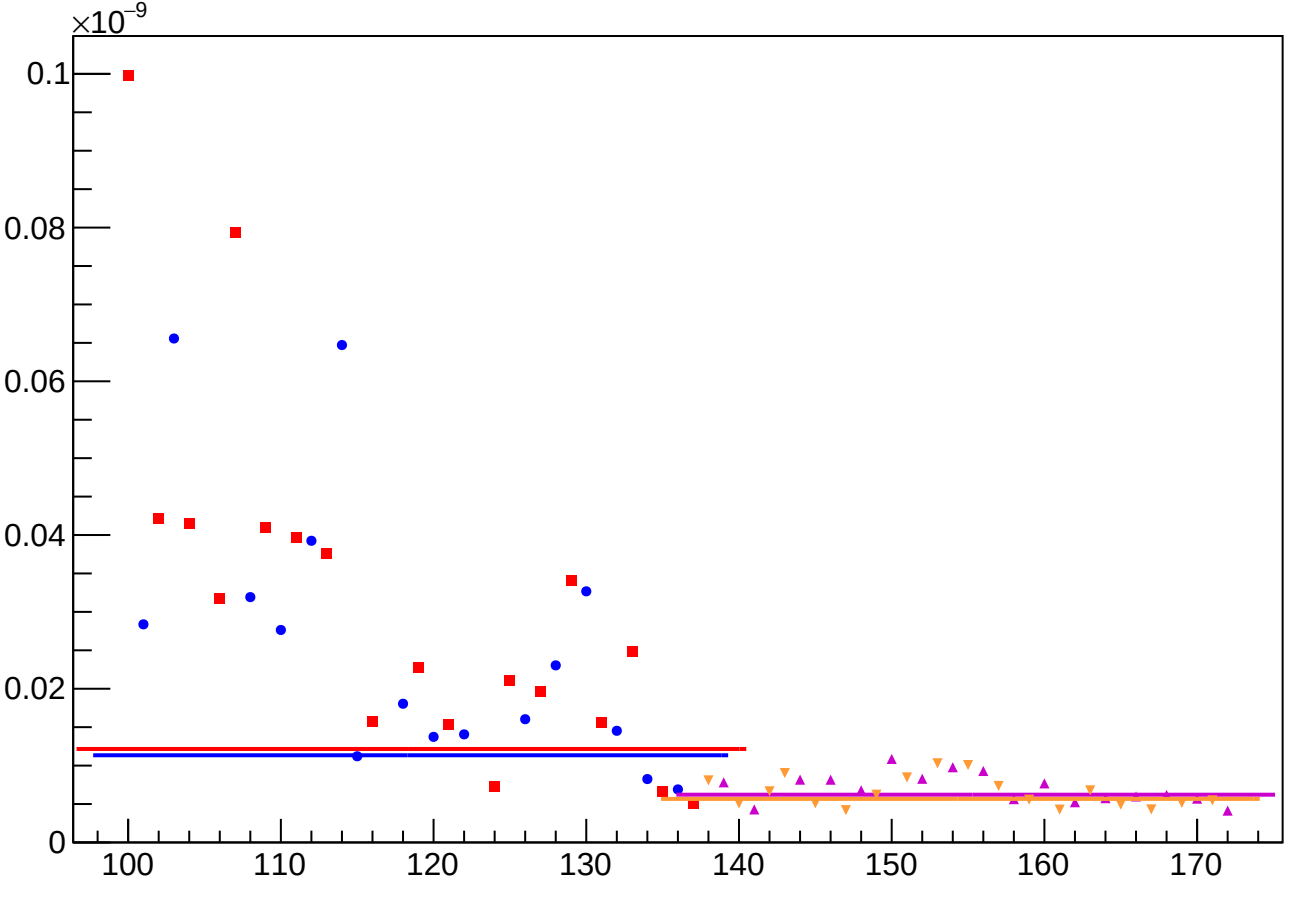
Left: 0.000+/-0.000 χ^2/NDF: 25.8/34

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:37.6/36

All: -0.000+/-0.000 χ^2/NDF: 67.7/69



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1148012.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1282272.9/16

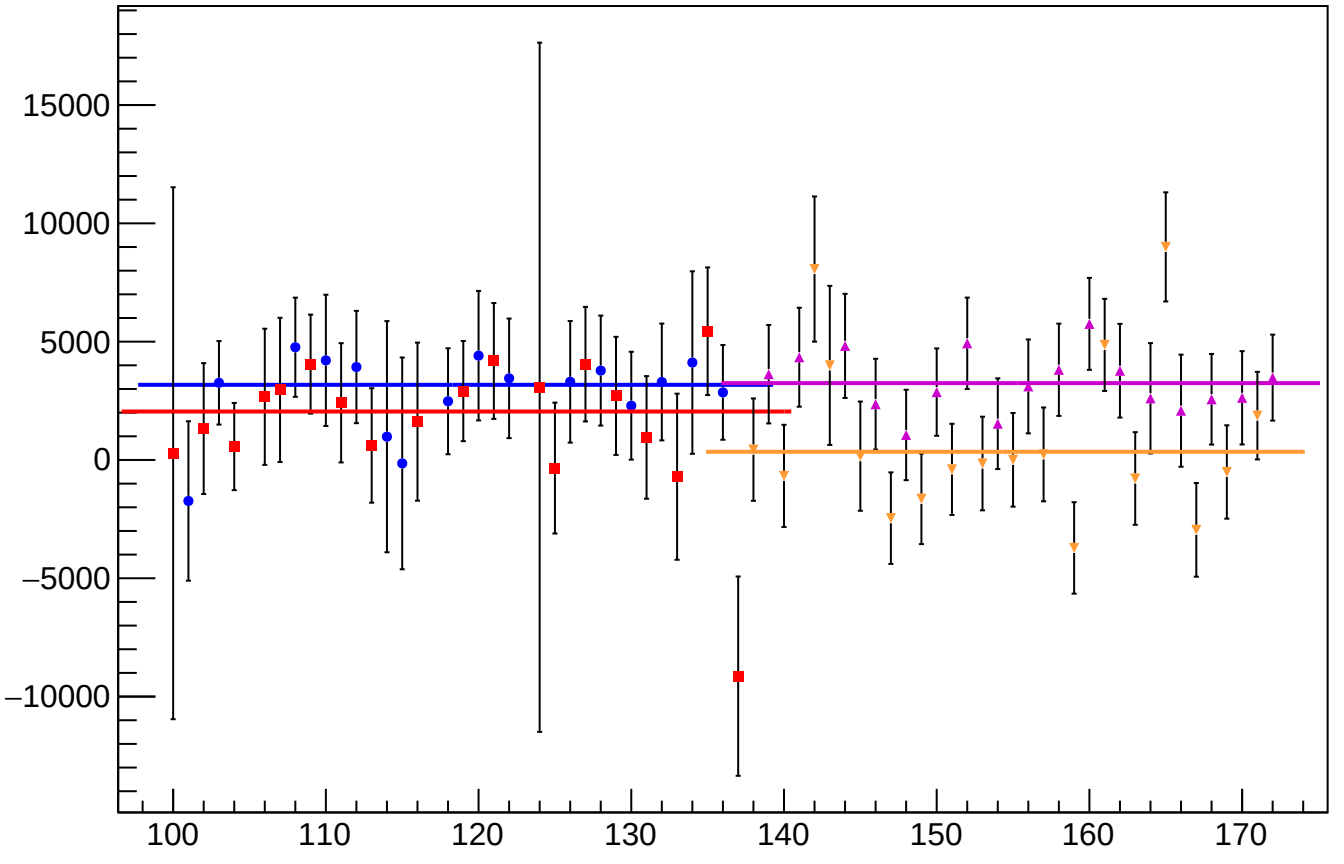
Left: 0.000+/-0.000 χ^2/NDF: 2497893.1/34

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:6393732.8/36

All: 0.000+/-0.000 χ^2/NDF: 11731632.7/69



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 345.682+/-489.689 χ^2/NDF:39.1/17

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: 1815.403+/-344.067 χ^2/NDF: 63.2/34

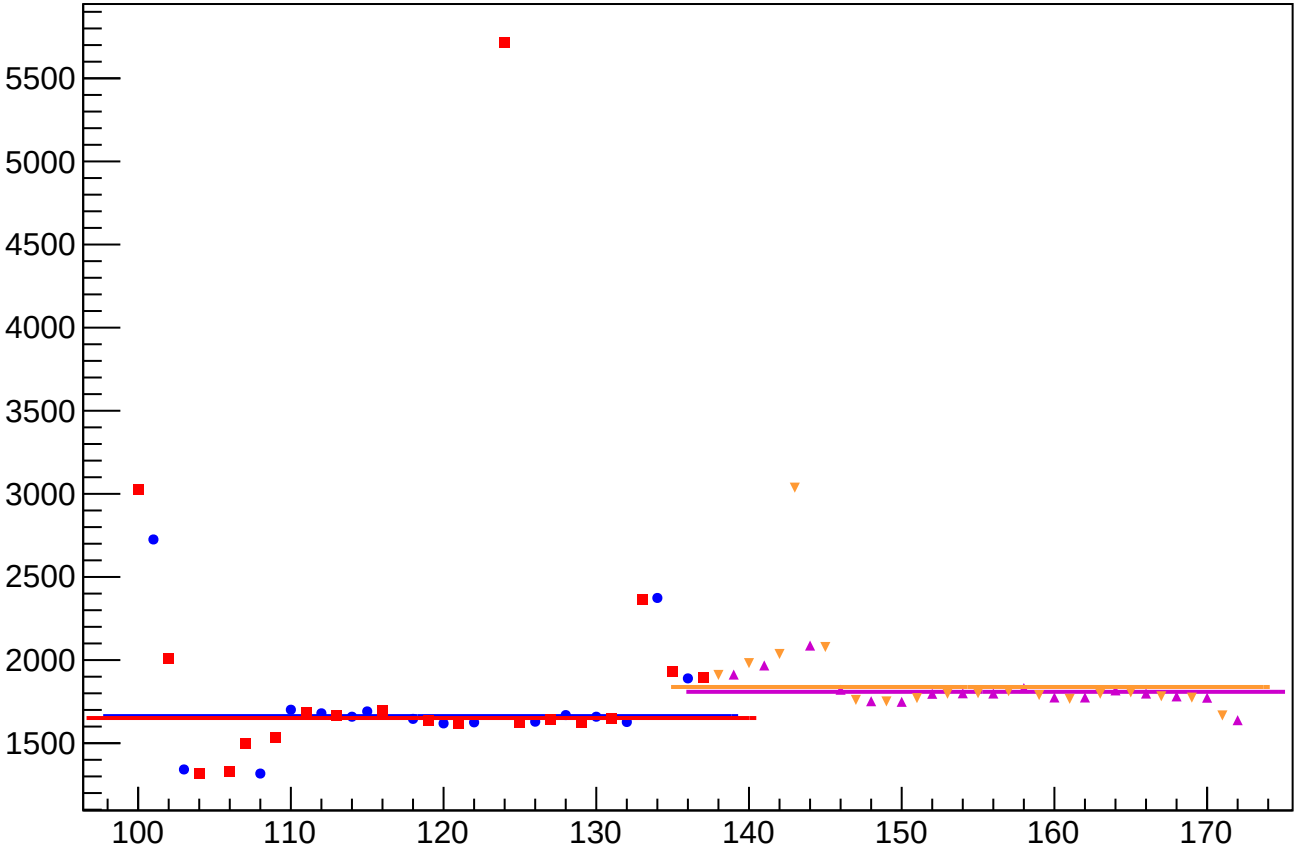
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3221.330+/-383.127 χ^2/NDF:10.6/32

Out: 997.485+/-384.639 χ^2/NDF:57.7/36

All: 2113.789+/-271.445 χ^2/NDF: 85.2/69

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1838.094+/-0.346 χ^2/NDF:333425.5/17

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1808.990+/-0.342 χ^2/NDF:72808.1/16

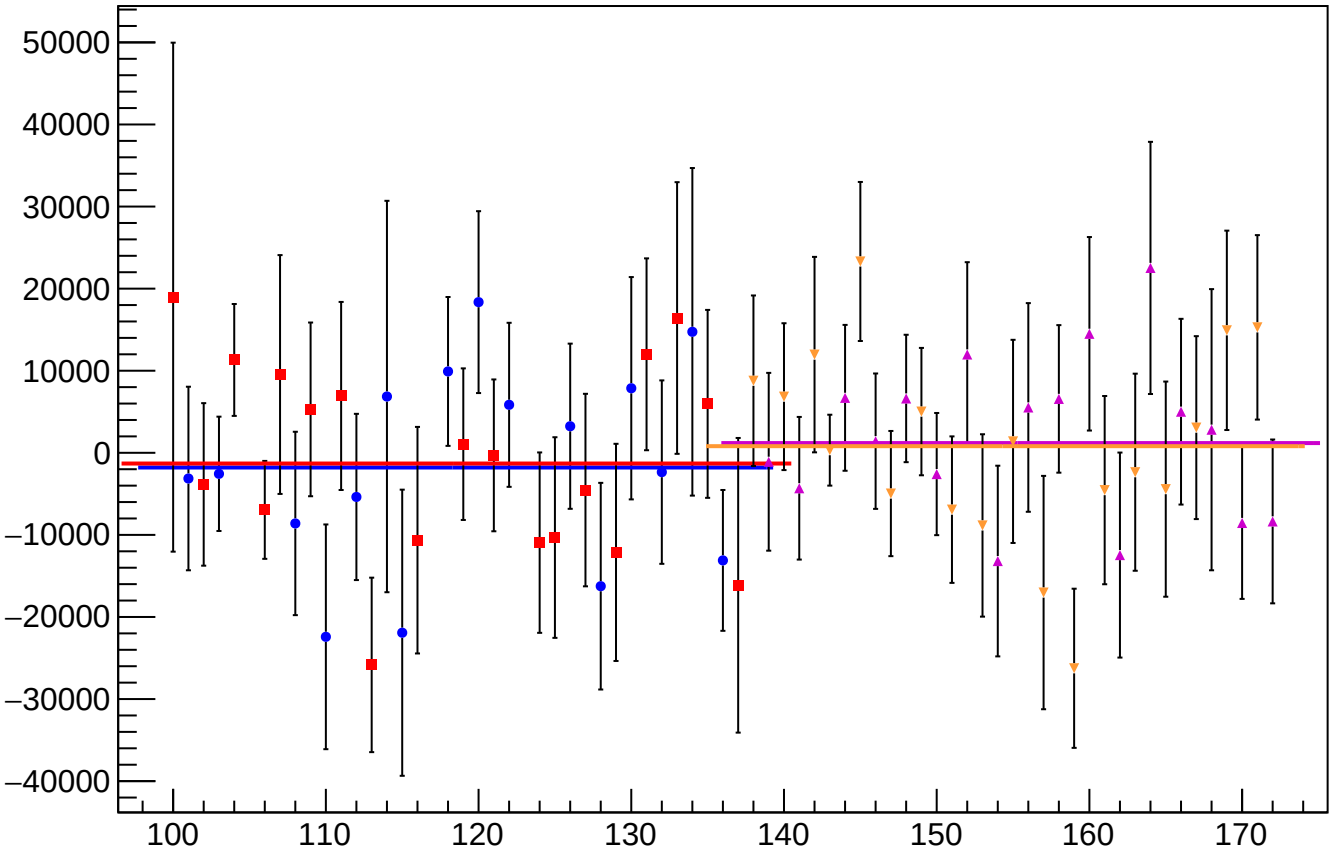
Left: 1823.358+/-0.243 χ^2/NDF: 409810.6/34

Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1754.616+/-0.271 χ^2/NDF:556386.5/32

Out: 1766.555+/-0.272 χ^2/NDF:876831.0/36

All: 1760.562+/-0.192 χ^2/NDF: 1434184.9/69



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 807.482+/-2167.801 χ^2/NDF:22.6/17

Right Out: -1306.311+/-2430.063 χ^2/NDF: 17.7/18

Left In: 1185.418+/-2436.272 χ^2/NDF:11.1/16

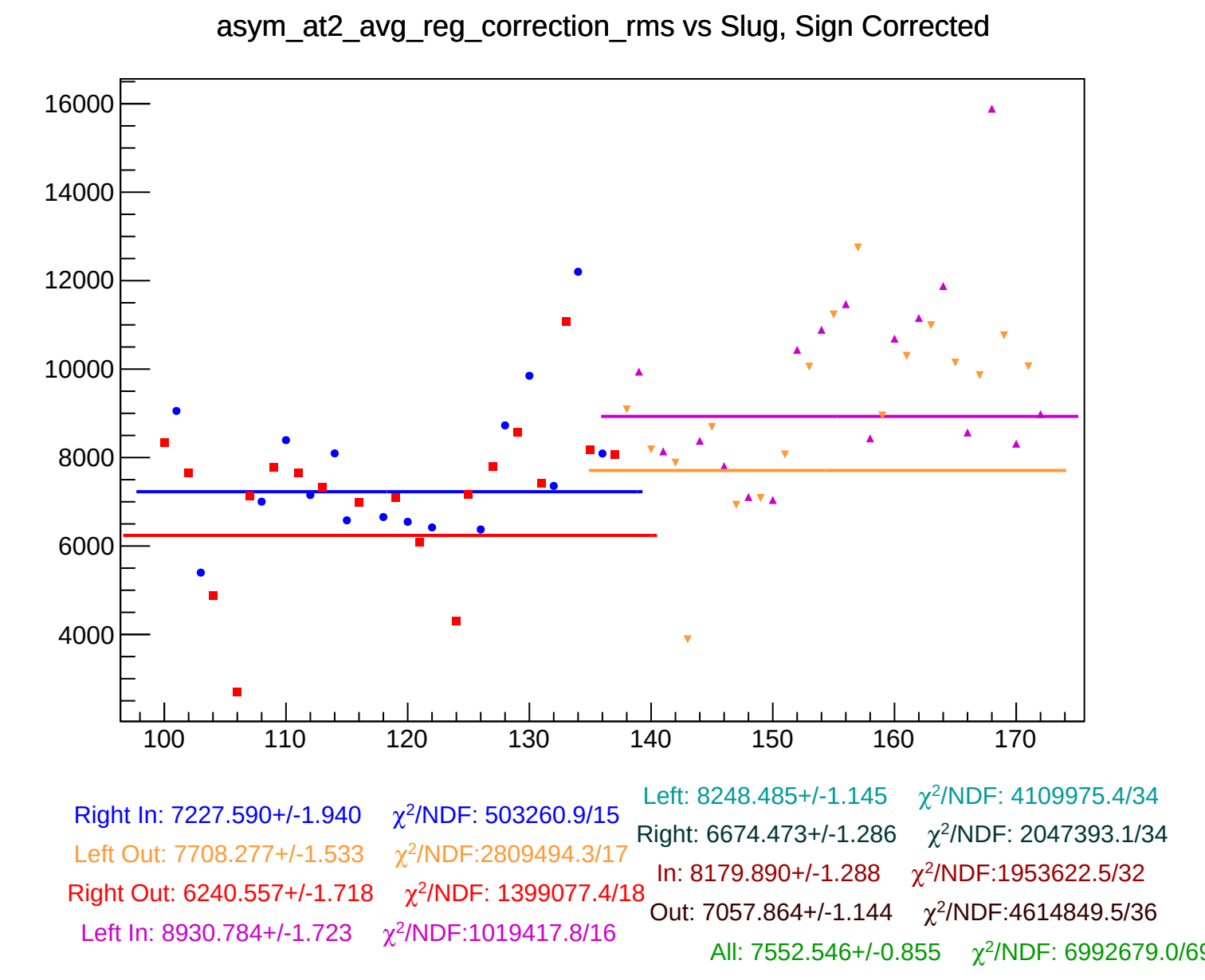
Left: 974.486+/-1619.500 χ^2/NDF: 33.6/34

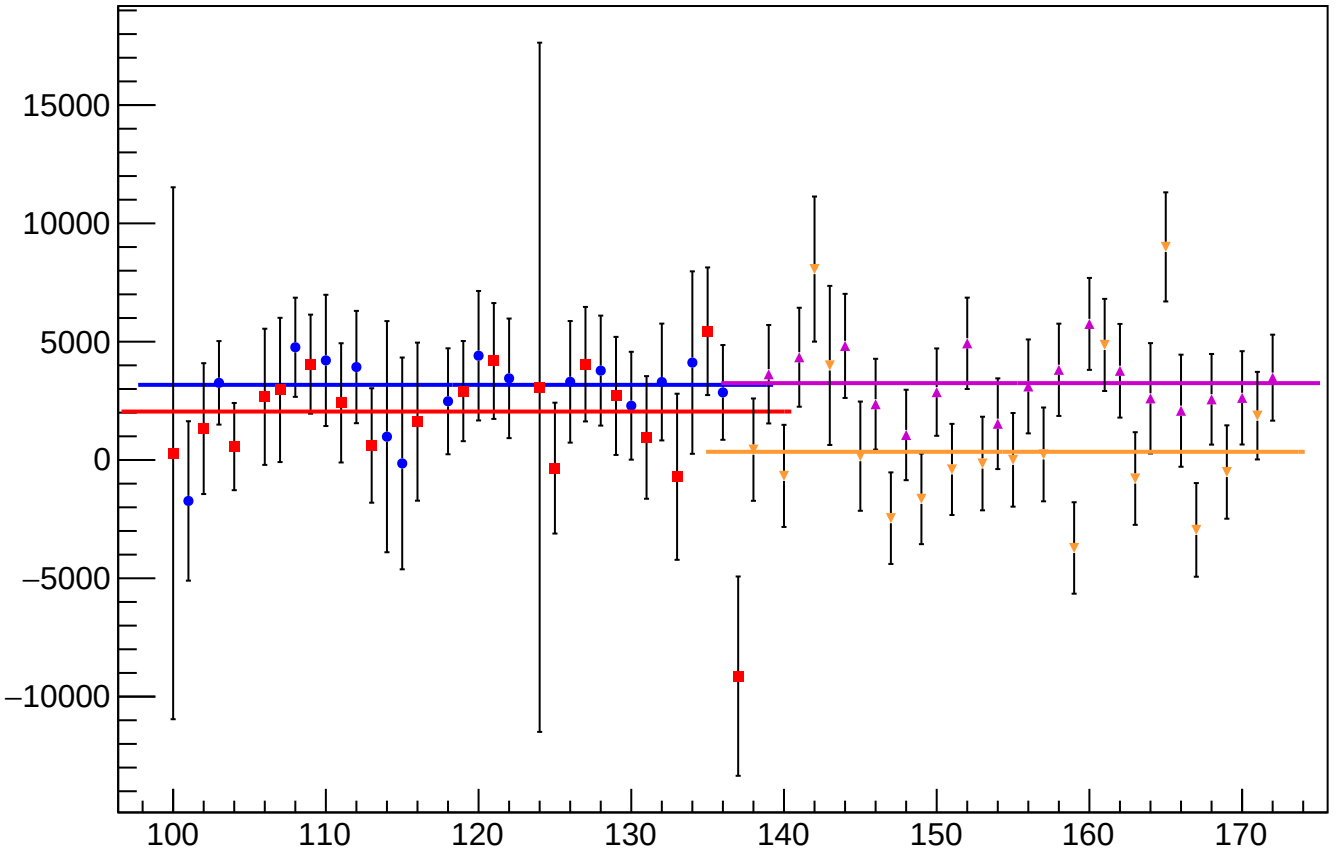
Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

In: -126.820+/-1821.716 χ^2/NDF:26.0/32

Out: -129.235+/-1617.672 χ^2/NDF:40.7/36

All: -128.170+/-1209.601 χ^2/NDF: 66.8/69


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: 7708.277+/-1.533 χ²/NDF:2809494.3/17
Right Out: 6240.557+/-1.718 χ²/NDF: 1399077.4/18
Left In: 8930.784+/-1.723 χ²/NDF:1019417.8/16
Left: 8248.485+/-1.145 χ²/NDF: 4109975.4/34
Right: 6674.473+/-1.286 χ²/NDF: 2047393.1/34
In: 8179.890+/-1.288 χ²/NDF:1953622.5/32
Out: 7057.864+/-1.144 χ²/NDF:4614849.5/36
All: 7552.546+/-0.855 χ²/NDF: 6992679.0/69



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 345.572+/-489.689 χ^2/NDF:39.1/17

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: 1815.342+/-344.068 χ^2/NDF: 63.2/34

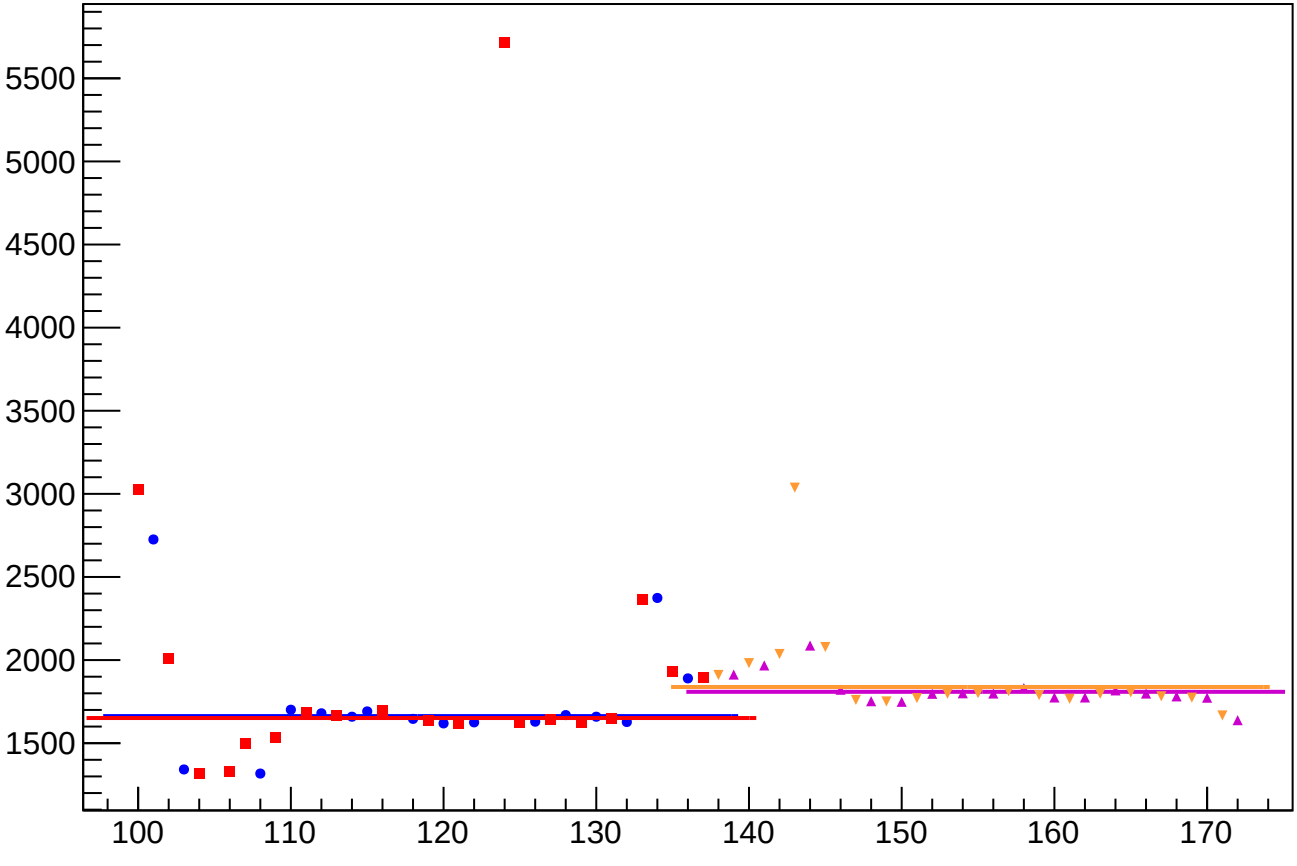
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3221.355+/-383.127 χ^2/NDF:10.6/32

Out: 997.343+/-384.639 χ^2/NDF:57.7/36

All: 2113.731+/-271.445 χ^2/NDF: 85.2/69

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1838.094+/-0.346 χ^2/NDF:333425.5/17

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1808.990+/-0.342 χ^2/NDF:72808.1/16

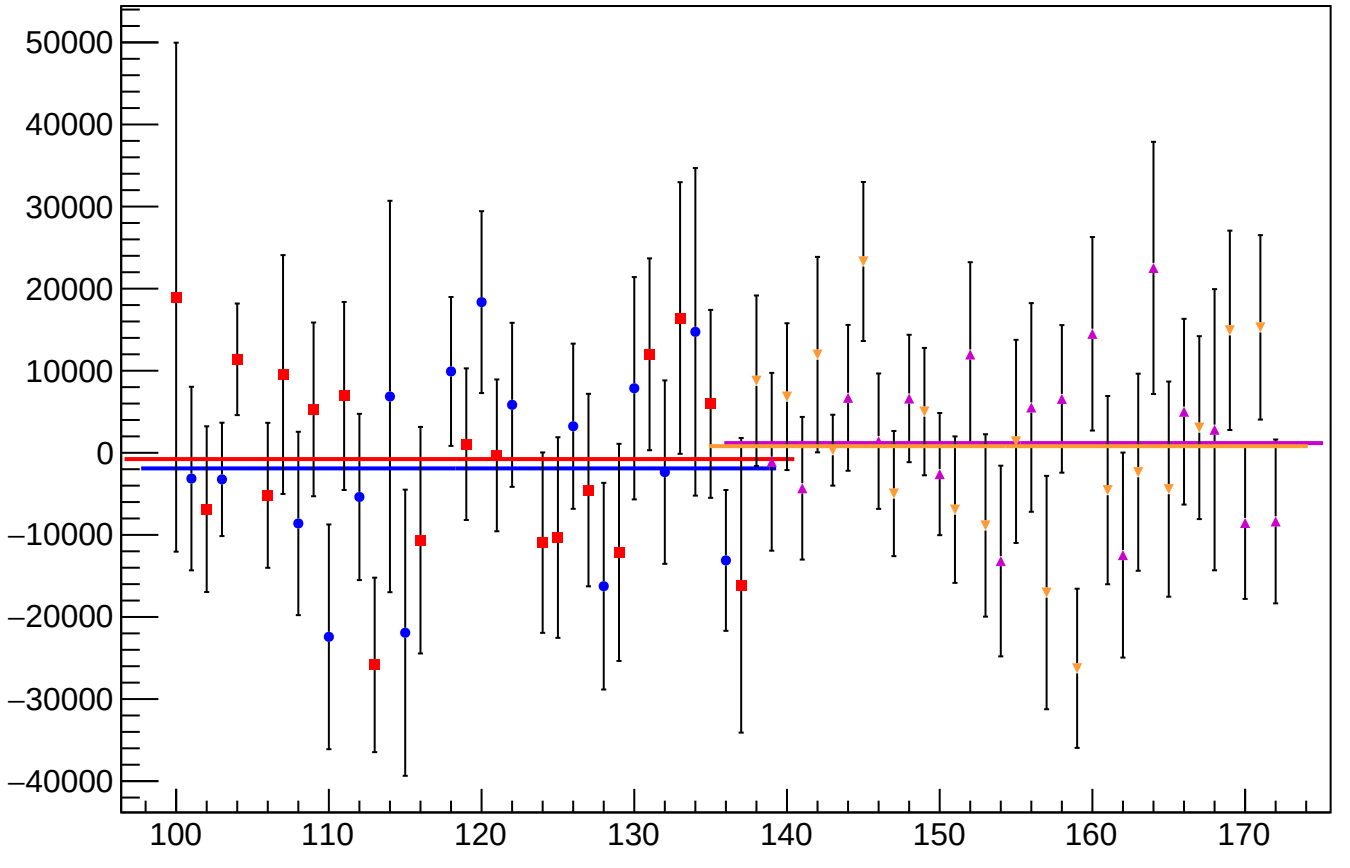
Left: 1823.358+/-0.243 χ^2/NDF: 409810.6/34

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1754.616+/-0.271 χ^2/NDF:556386.9/32

Out: 1766.555+/-0.272 χ^2/NDF:876831.4/36

All: 1760.562+/-0.192 χ^2/NDF: 1434185.7/69



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 807.389+/-2167.794 χ^2/NDF:22.6/17

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 1185.483+/-2436.270 χ^2/NDF:11.1/16

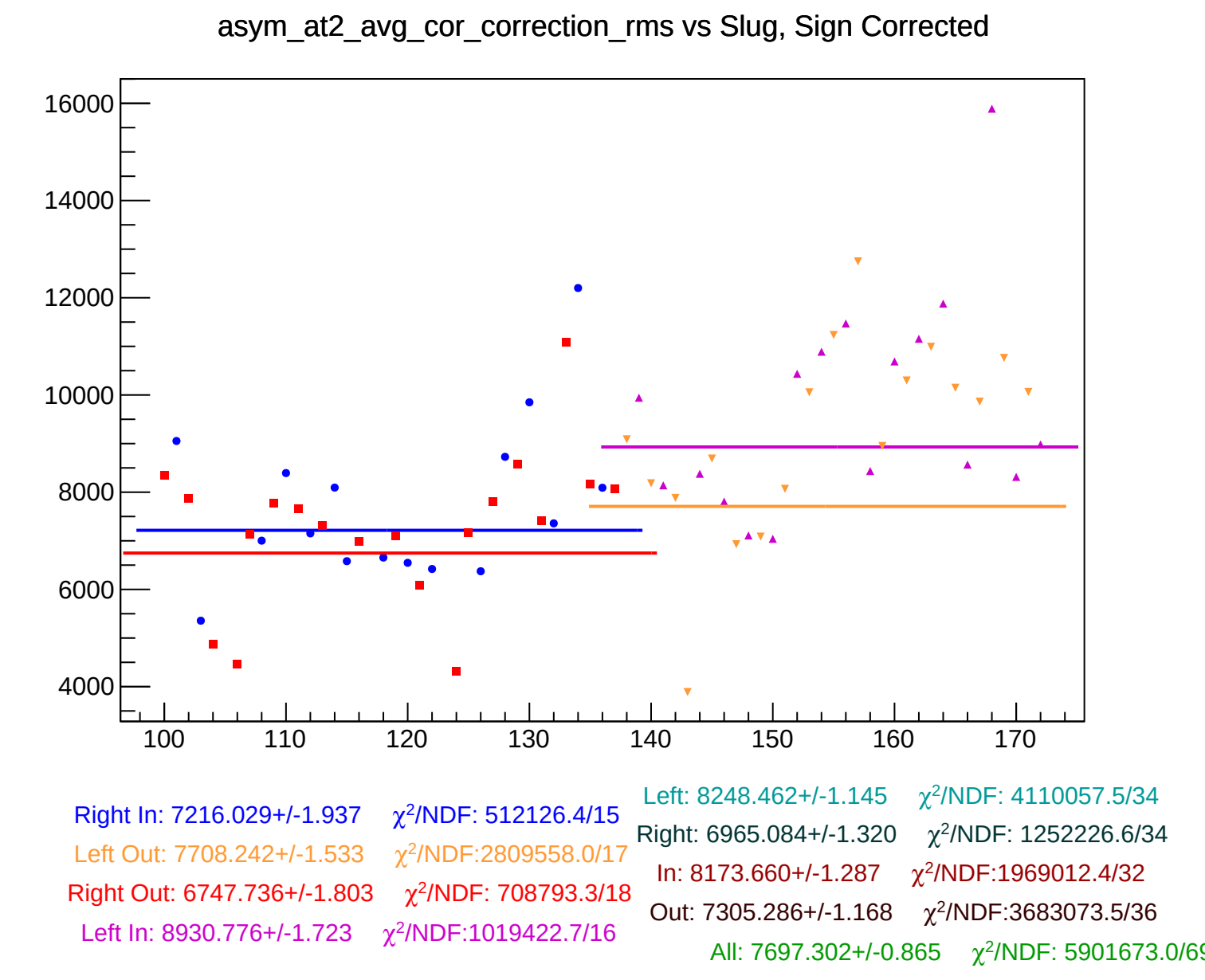
Left: 974.463+/-1619.497 χ^2/NDF: 33.6/34

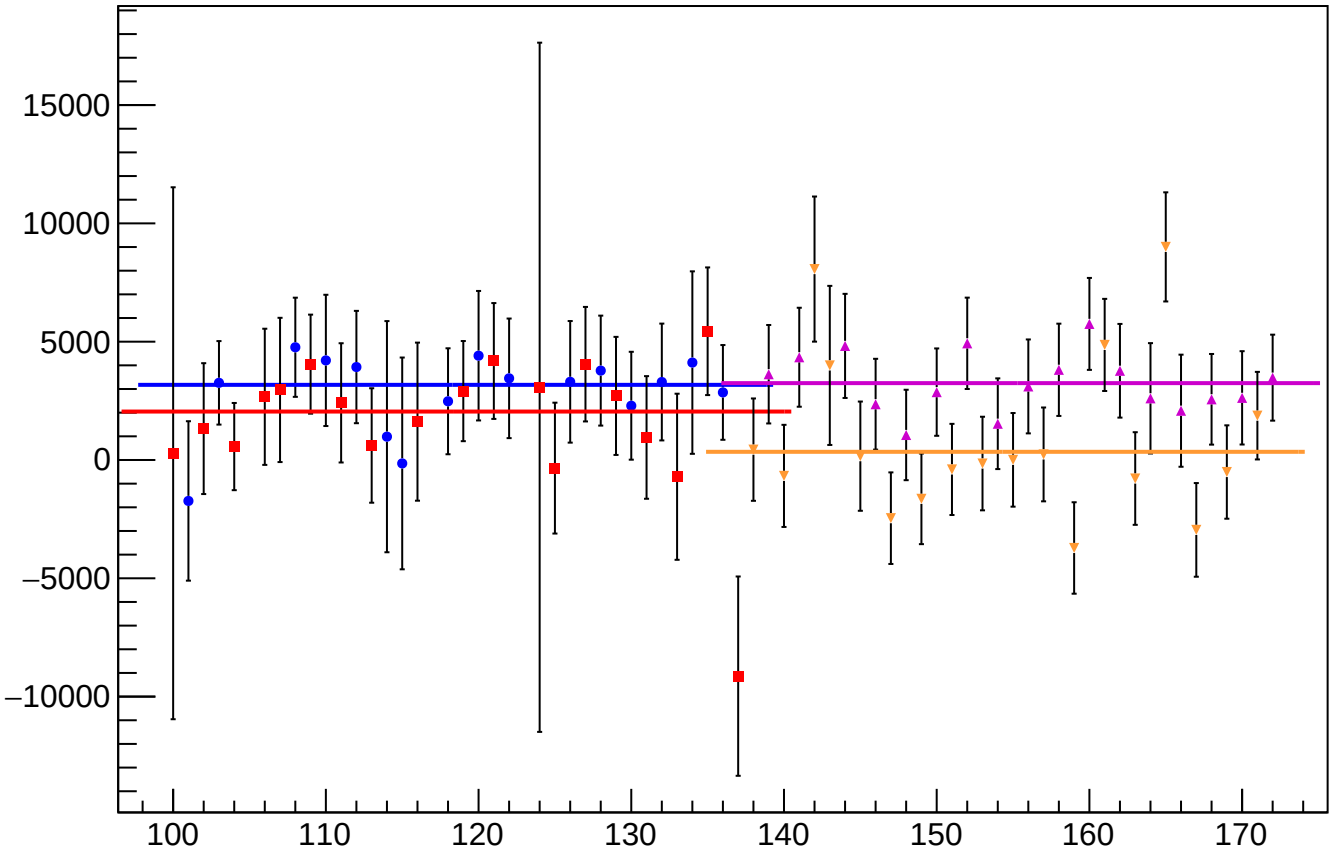
Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -176.913+/-1820.642 χ^2/NDF:26.1/32

Out: 148.775+/-1651.618 χ^2/NDF:40.1/36

All: 1.748+/-1223.272 χ^2/NDF: 66.2/69


asym_at2_avg_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 7216.029+/-1.937 χ²/NDF: 512126.4/15
Left Out: 7708.242+/-1.533 χ²/NDF:2809558.0/17
Right Out: 6747.736+/-1.803 χ²/NDF: 708793.3/18
Left In: 8930.776+/-1.723 χ²/NDF:1019422.7/16
Left: 8248.462+/-1.145 χ²/NDF: 4110057.5/34
Right: 6965.084+/-1.320 χ²/NDF: 1252226.6/34
In: 8173.660+/-1.287 χ²/NDF:1969012.4/32
Out: 7305.286+/-1.168 χ²/NDF:3683073.5/36
All: 7697.302+/-0.865 χ²/NDF: 5901673.0/69



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 345.572+/-489.689 χ^2/NDF:39.1/17

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3248.428+/-483.539 χ^2/NDF:6.3/16

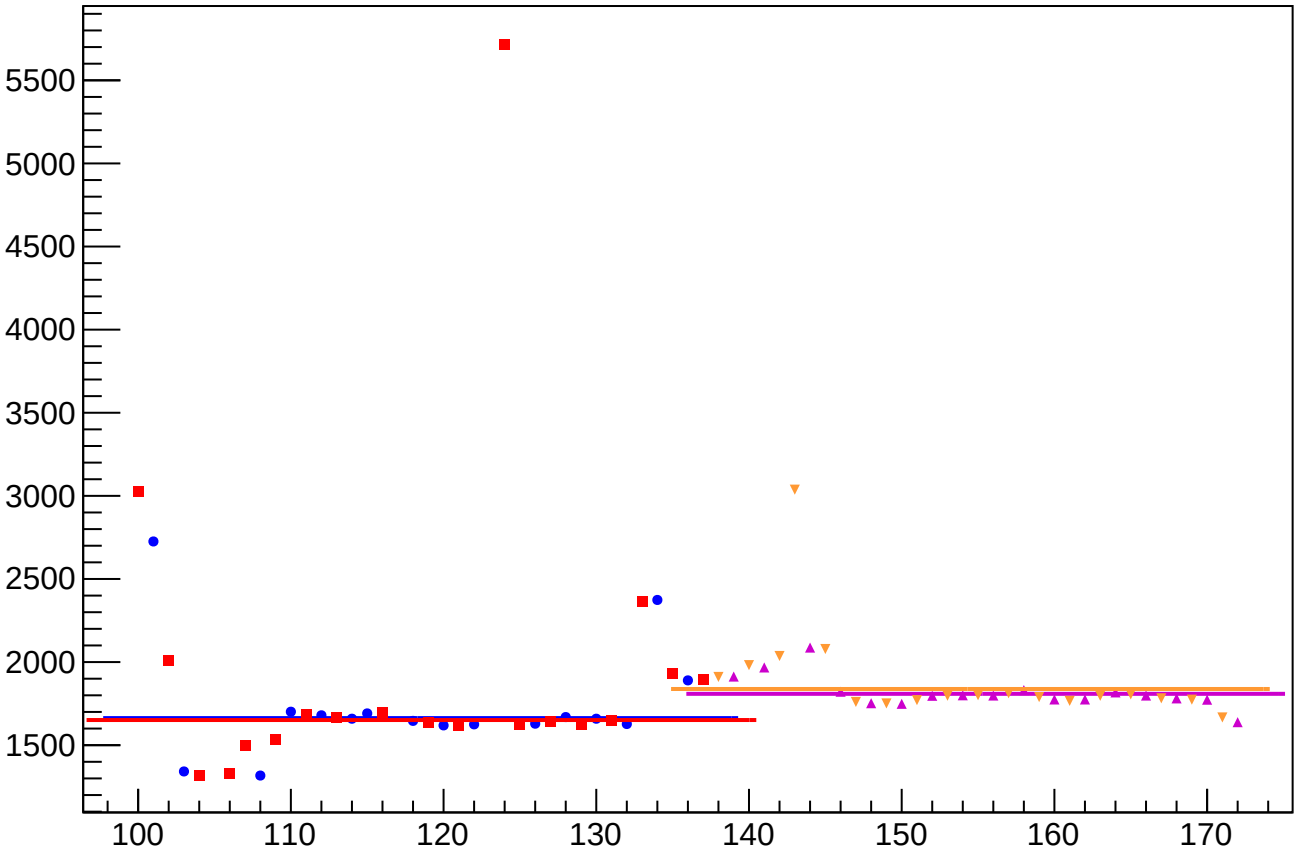
Left: 1815.342+/-344.068 χ^2/NDF: 63.2/34

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3221.355+/-383.127 χ^2/NDF:10.6/32

Out: 997.343+/-384.639 χ^2/NDF:57.7/36

All: 2113.731+/-271.445 χ^2/NDF: 85.2/69



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1838.094+/-0.346 χ^2/NDF:333425.5/17

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1808.990+/-0.342 χ^2/NDF:72808.1/16

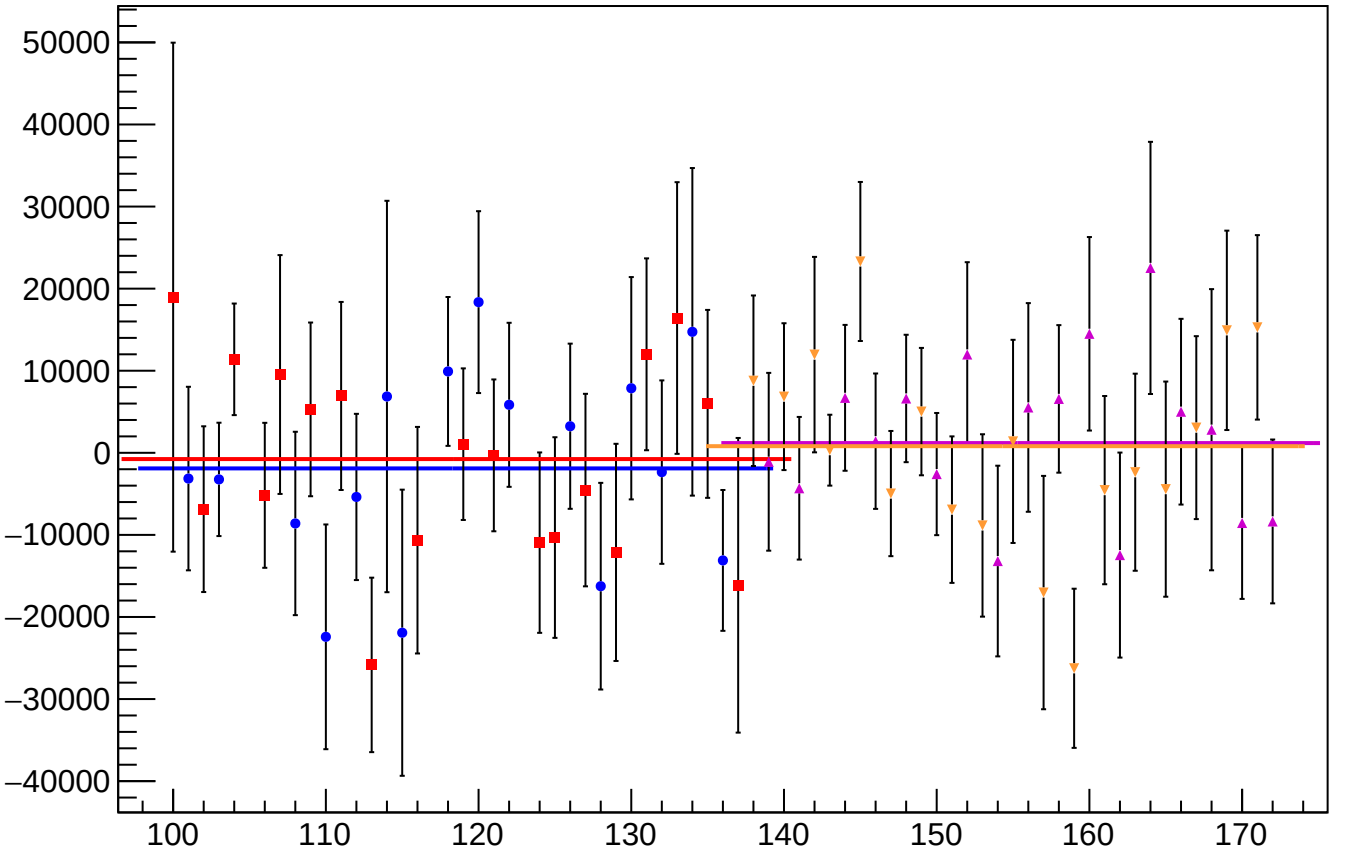
Left: 1823.358+/-0.243 χ^2/NDF: 409810.6/34

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1754.616+/-0.271 χ^2/NDF:556386.9/32

Out: 1766.555+/-0.272 χ^2/NDF:876831.4/36

All: 1760.562+/-0.192 χ^2/NDF: 1434185.7/69



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 807.389+/-2167.794 χ^2/NDF:22.6/17

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 1185.483+/-2436.270 χ^2/NDF:11.1/16

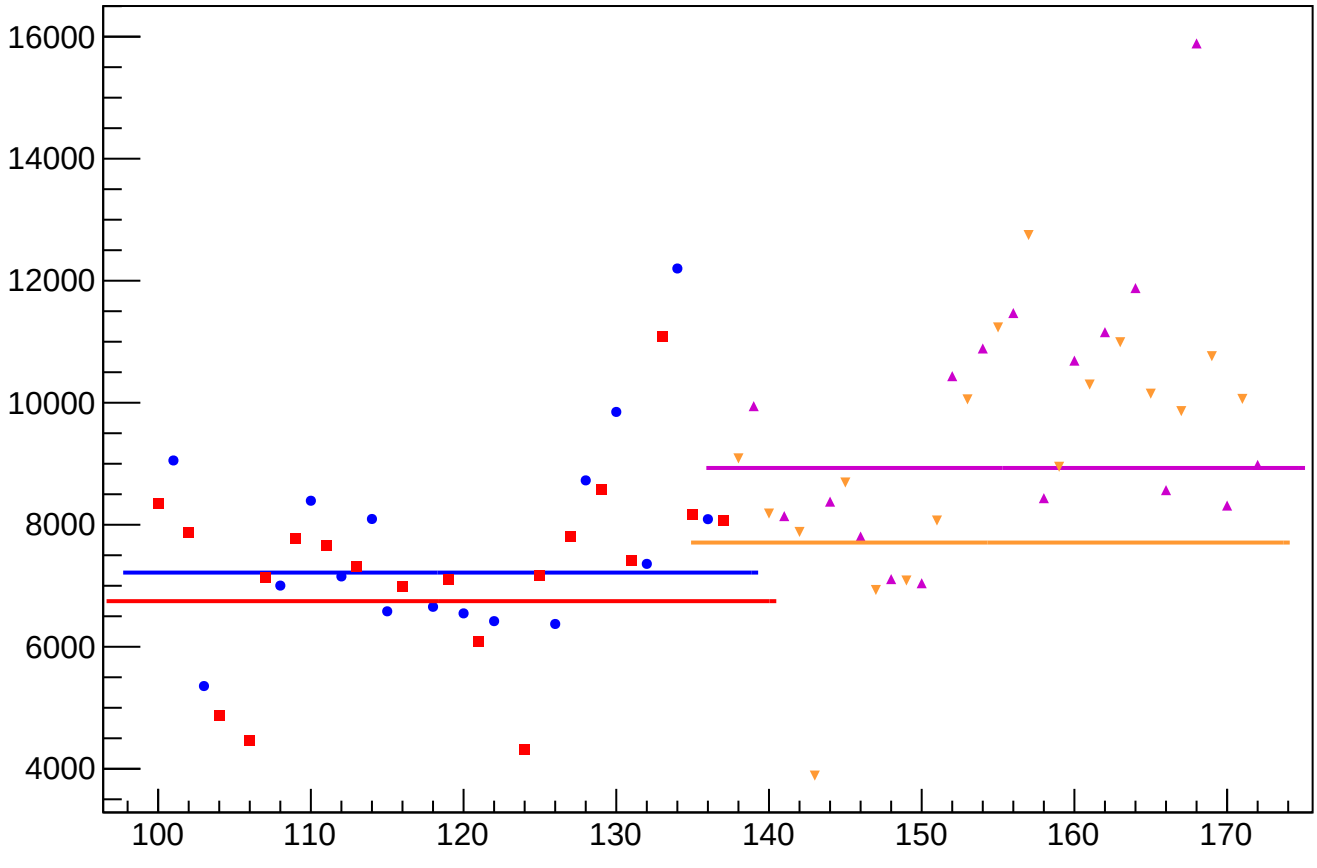
Left: 974.463+/-1619.497 χ^2/NDF: 33.6/34

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -176.913+/-1820.642 χ^2/NDF:26.1/32

Out: 148.775+/-1651.618 χ^2/NDF:40.1/36

All: 1.748+/-1223.272 χ^2/NDF: 66.2/69



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7708.242+/-1.533 χ^2/NDF:2809558.0/17

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8930.776+/-1.723 χ^2/NDF:1019422.7/16

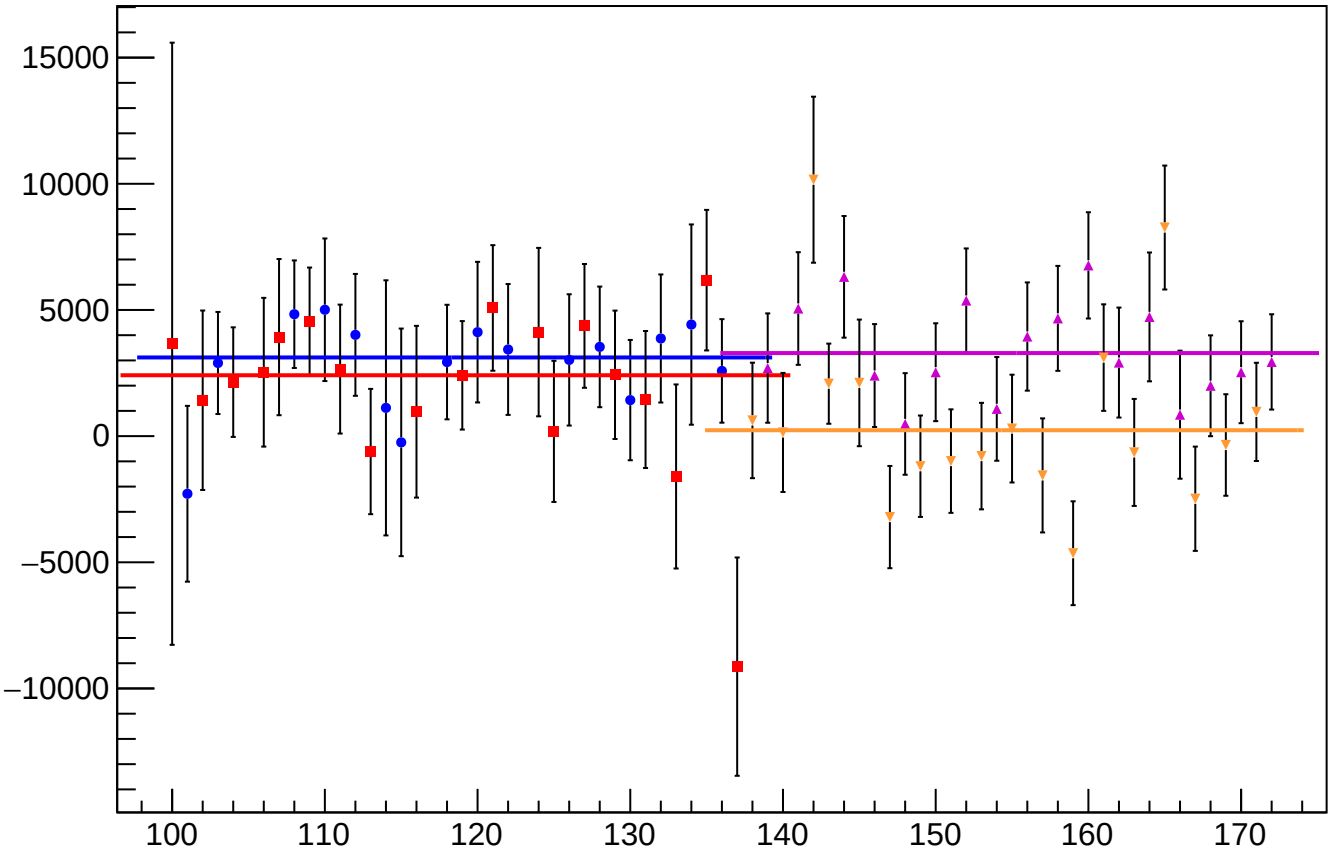
Left: 8248.462+/-1.145 χ^2/NDF: 4110057.5/34

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 8173.660+/-1.287 χ^2/NDF:1969012.4/32

Out: 7305.286+/-1.168 χ^2/NDF:3683073.5/36

All: 7697.302+/-0.865 χ^2/NDF: 5901673.0/69



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 233.234+/-501.193 χ^2/NDF:35.9/17

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 3291.679+/-514.379 χ^2/NDF:11.9/16

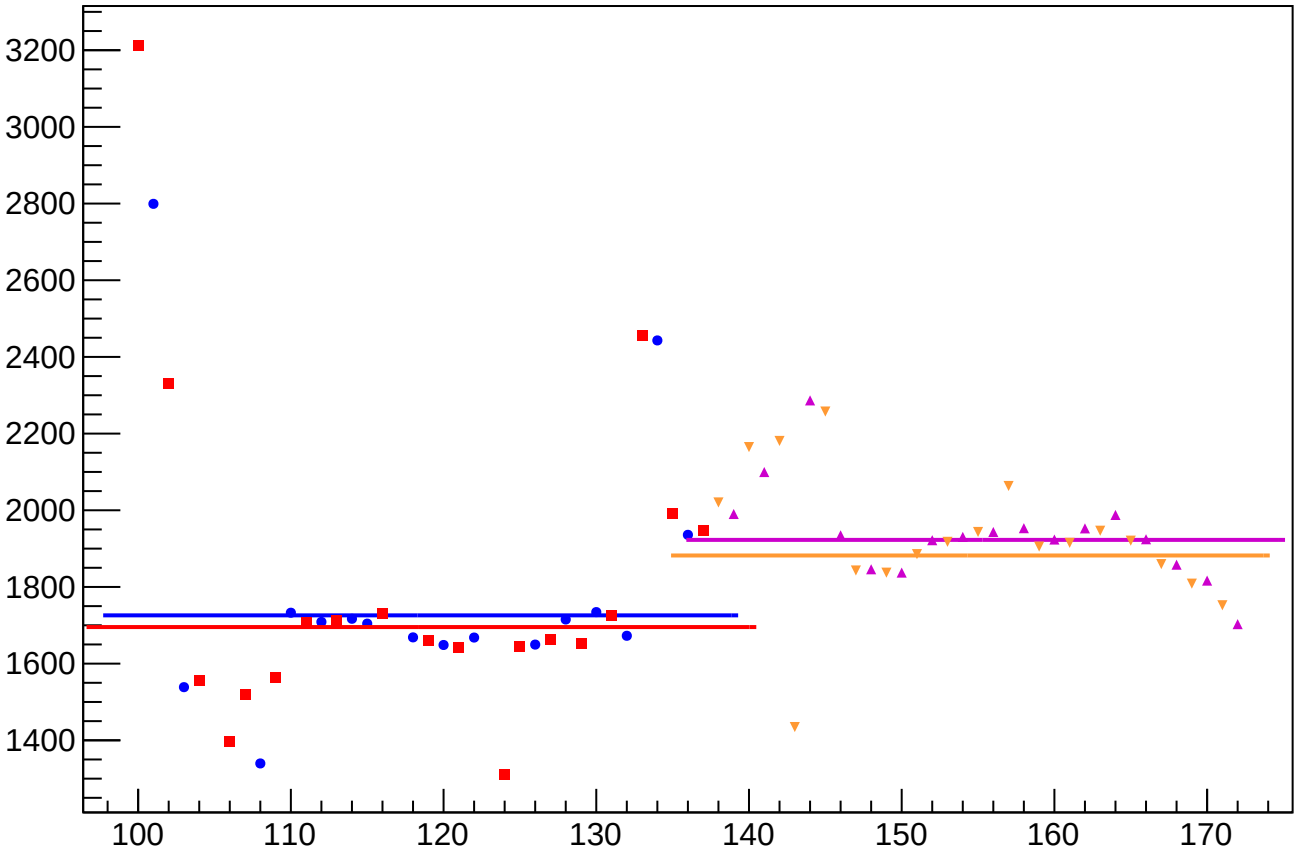
Left: 1722.753+/-358.968 χ^2/NDF: 65.9/34

Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3224.893+/-403.625 χ^2/NDF:17.2/32

Out: 1063.228+/-394.365 χ^2/NDF:59.1/36

All: 2118.978+/-282.075 χ^2/NDF: 91.0/69



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1882.097+/-0.354 χ^2/NDF:287872.0/17

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 1922.774+/-0.364 χ^2/NDF:103954.7/16

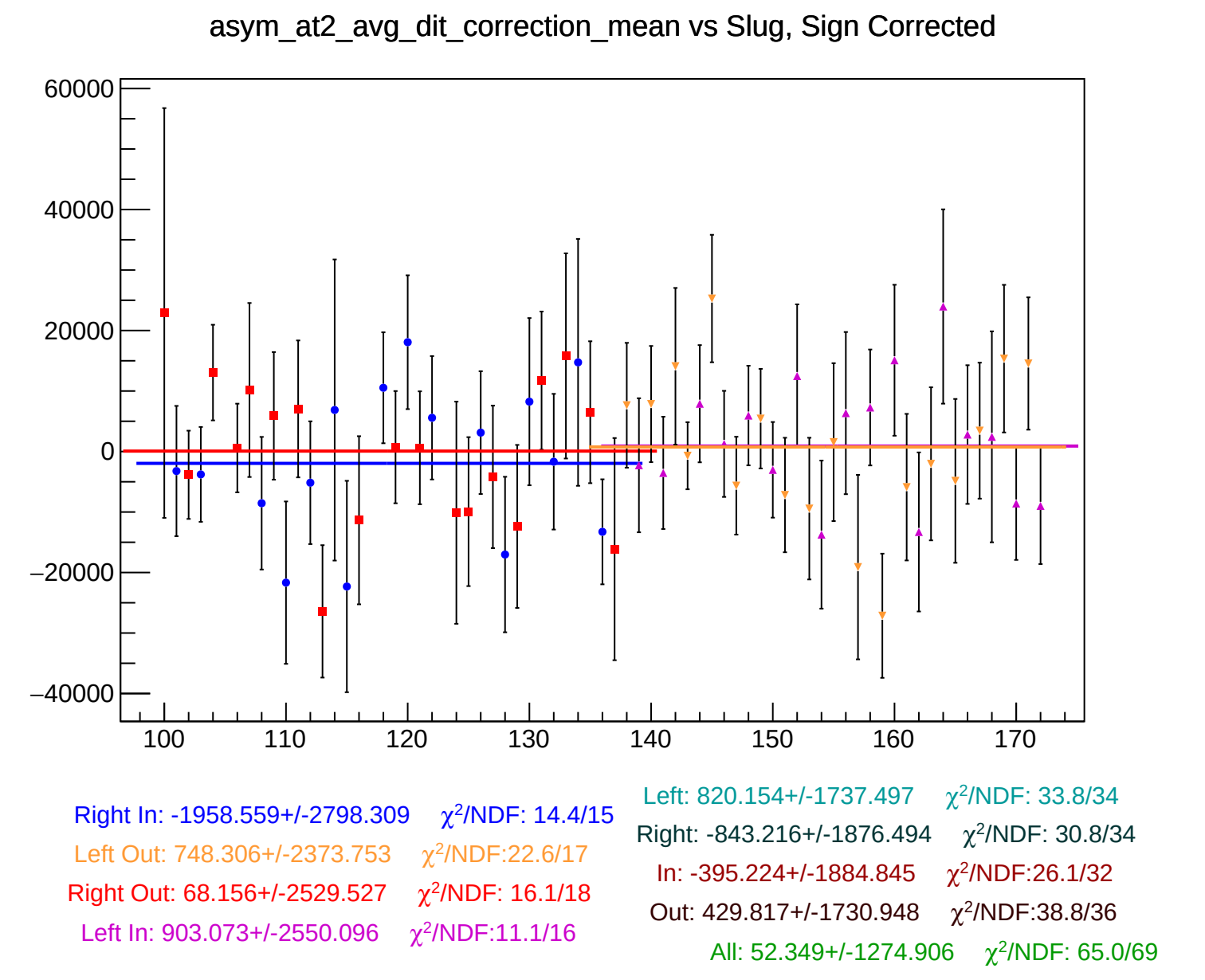
Left: 1901.907+/-0.254 χ^2/NDF: 398242.6/34

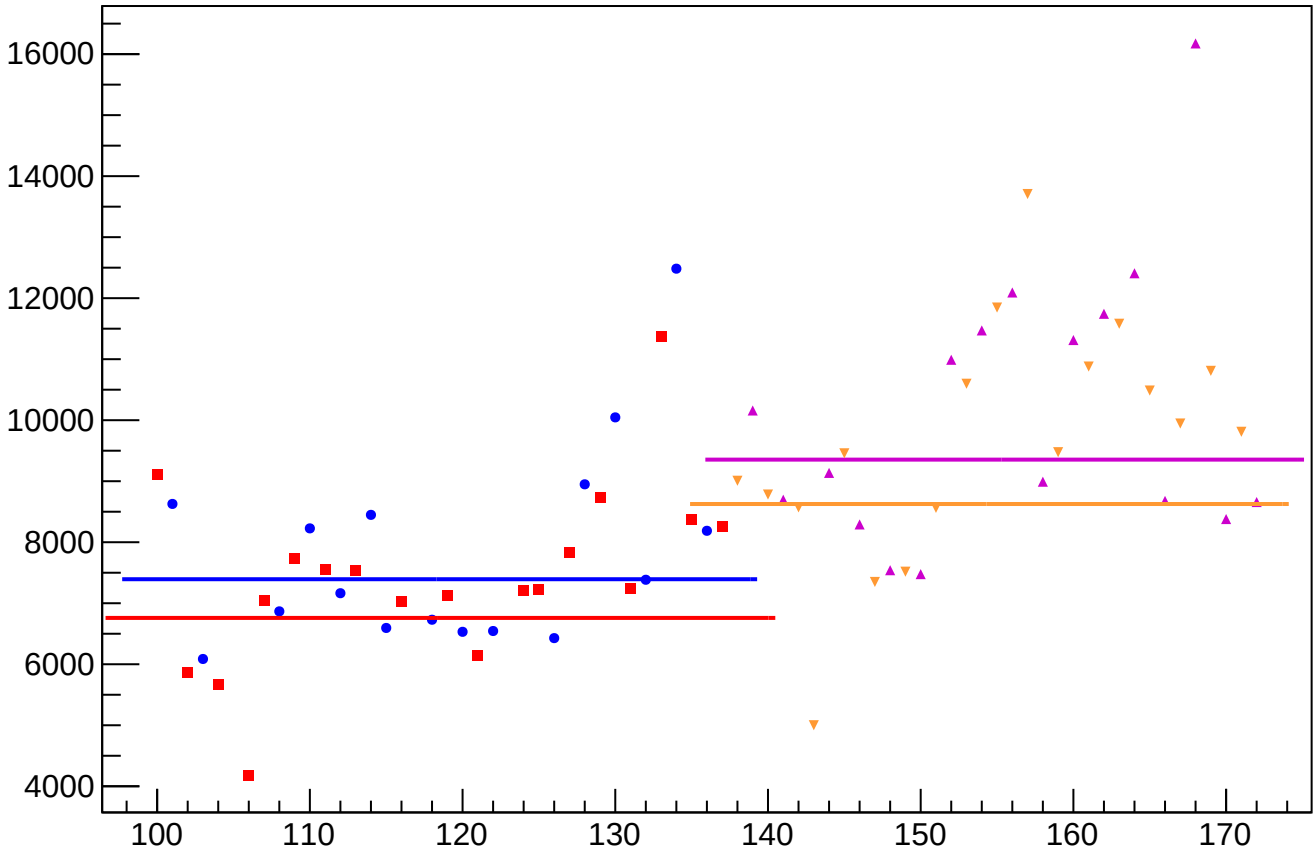
Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1847.125+/-0.285 χ^2/NDF:582165.3/32

Out: 1810.953+/-0.279 χ^2/NDF:679254.4/36

All: 1828.617+/-0.199 χ^2/NDF: 1269638.6/69


asym_at2_avg_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -1958.559+/-2798.309 χ²/NDF: 14.4/15
Left Out: 748.306+/-2373.753 χ²/NDF:22.6/17
Right Out: 68.156+/-2529.527 χ²/NDF: 16.1/18
Left In: 903.073+/-2550.096 χ²/NDF:11.1/16
Left: 820.154+/-1737.497 χ²/NDF: 33.8/34
Right: -843.216+/-1876.494 χ²/NDF: 30.8/34
In: -395.224+/-1884.845 χ²/NDF:26.1/32
Out: 429.817+/-1730.948 χ²/NDF:38.8/36
All: 52.349+/-1274.906 χ²/NDF: 65.0/69



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8626.393+/-1.678 χ^2/NDF:1703069.3/17

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9353.948+/-1.803 χ^2/NDF:978519.7/16

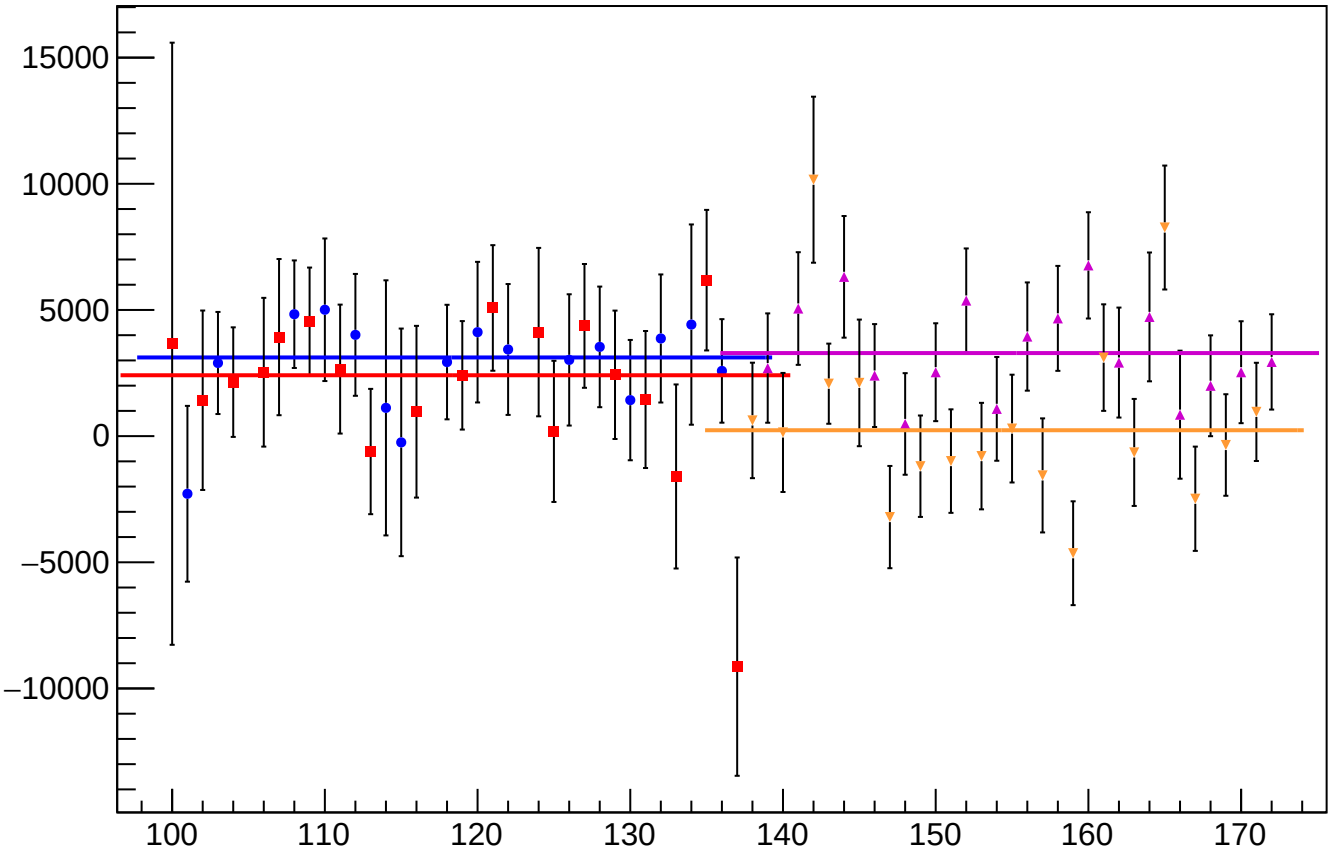
Left: 8964.147+/-1.229 χ^2/NDF: 2768810.7/34

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 8464.566+/-1.333 χ^2/NDF:1916554.6/32

Out: 7752.163+/-1.224 χ^2/NDF:2926683.8/36

All: 8078.098+/-0.901 χ^2/NDF: 4998233.5/69



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 233.225+/-501.194 χ^2/NDF:35.9/17

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 3291.681+/-514.380 χ^2/NDF:11.9/16

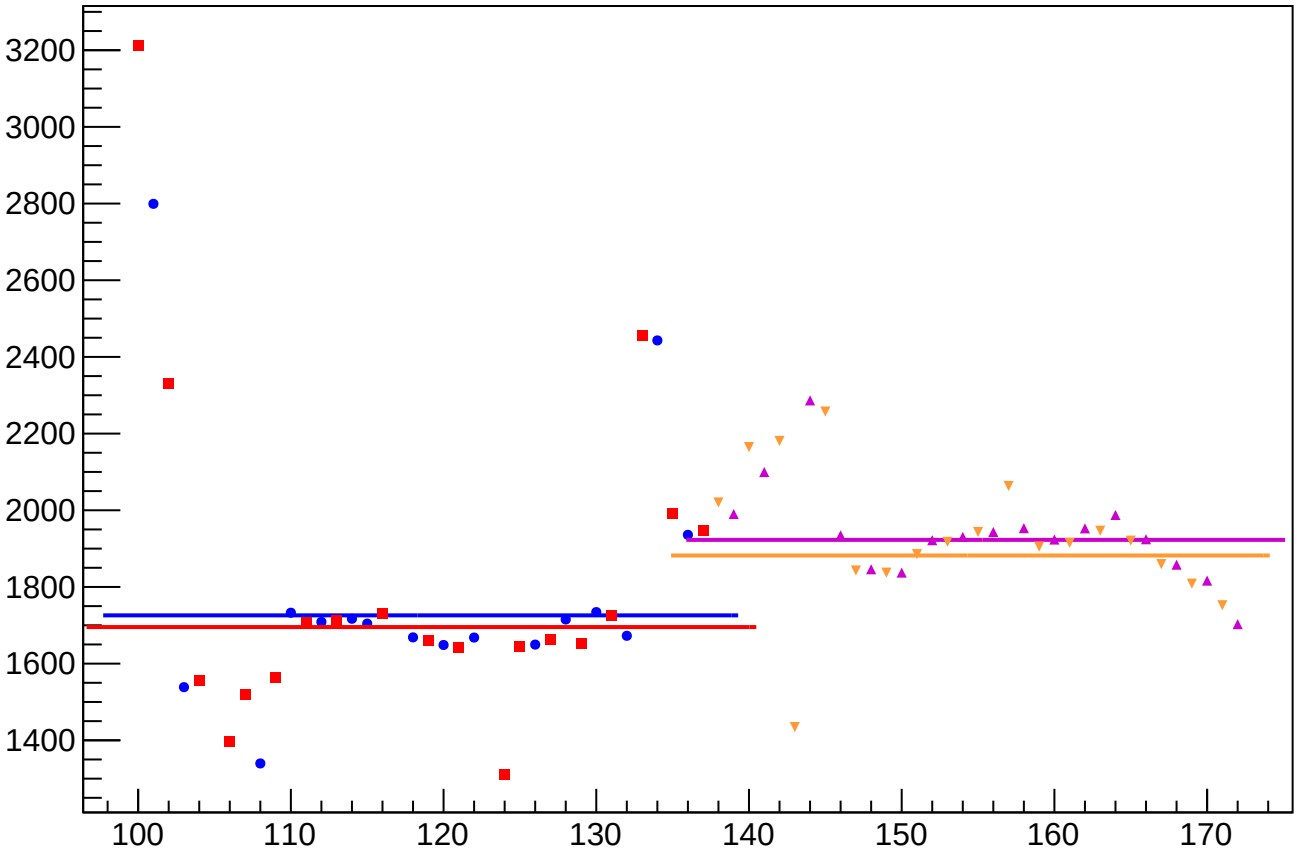
Left: 1722.749+/-358.969 χ^2/NDF: 65.9/34

Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

In: 3224.895+/-403.626 χ^2/NDF:17.2/32

Out: 1063.227+/-394.365 χ^2/NDF:59.1/36

All: 2118.978+/-282.075 χ^2/NDF: 91.0/69



Right In: 1725.910+/-0.460 χ^2/NDF: 365639.0/15

Left Out: 1882.099+/-0.354 χ^2/NDF:287875.0/17

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.3/18

Left In: 1922.777+/-0.364 χ^2/NDF:103957.5/16

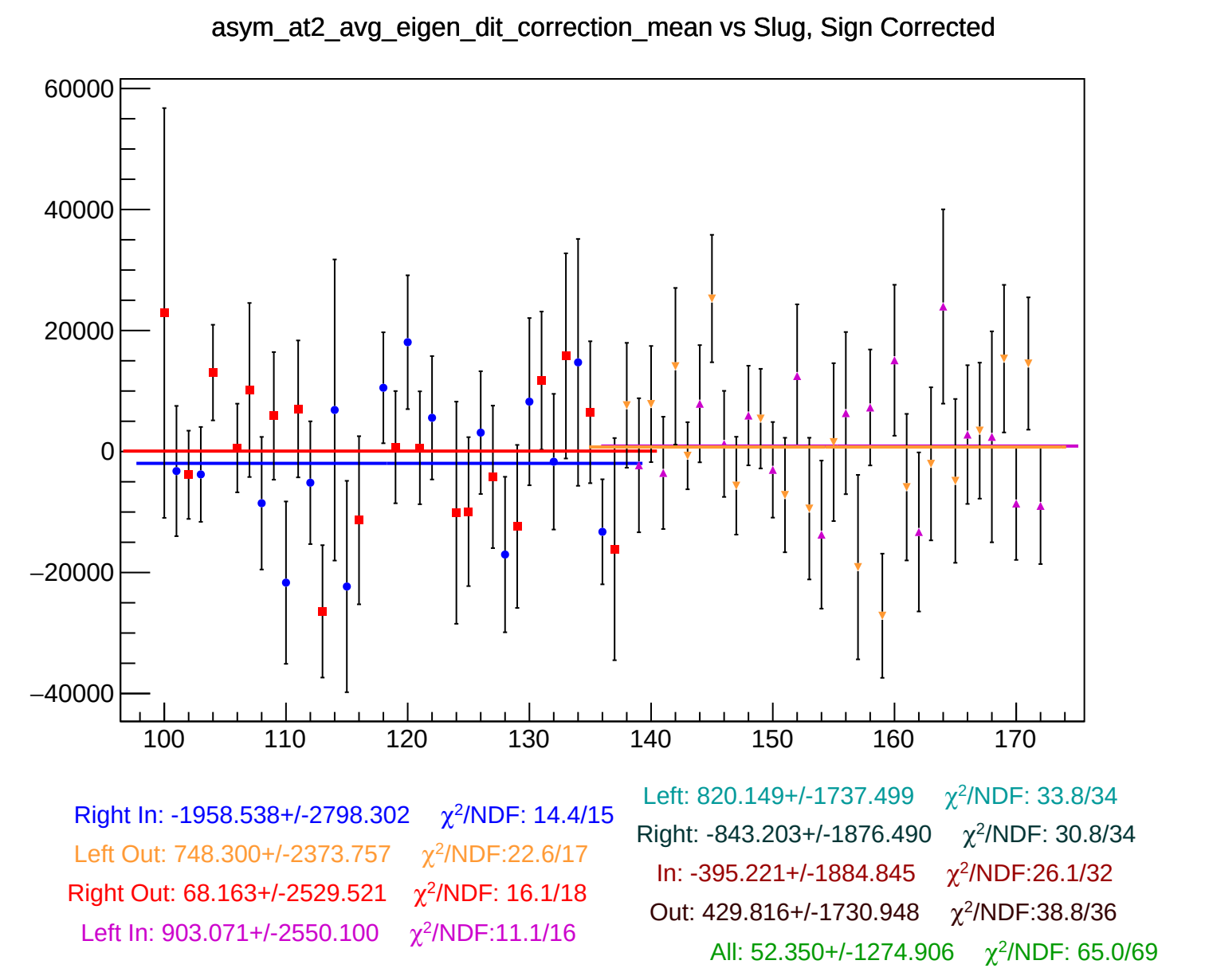
Left: 1901.910+/-0.254 χ^2/NDF: 398248.5/34

Right: 1710.357+/-0.322 χ^2/NDF: 653500.9/34

In: 1847.127+/-0.285 χ^2/NDF:582171.7/32

Out: 1810.954+/-0.279 χ^2/NDF:679260.7/36

All: 1828.618+/-0.199 χ^2/NDF: 1269651.4/69


asym_at2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
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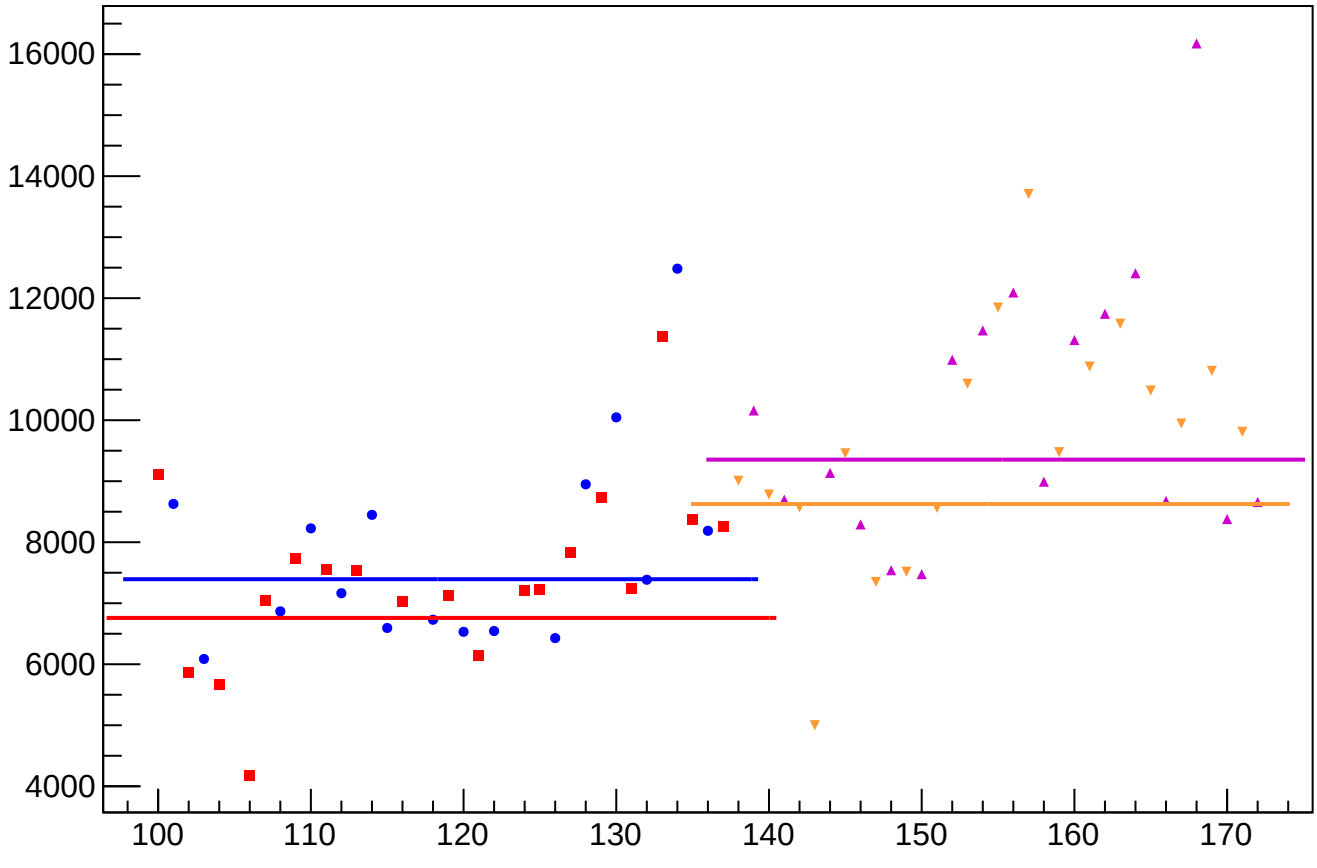
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -1958.538+/-2798.302 χ²/NDF: 14.4/15
Left Out: 748.300+/-2373.757 χ²/NDF:22.6/17
Right Out: 68.163+/-2529.521 χ²/NDF: 16.1/18
Left In: 903.071+/-2550.100 χ²/NDF:11.1/16
Left: 820.149+/-1737.499 χ²/NDF: 33.8/34
Right: -843.203+/-1876.490 χ²/NDF: 30.8/34
In: -395.221+/-1884.845 χ²/NDF:26.1/32
Out: 429.816+/-1730.948 χ²/NDF:38.8/36
All: 52.350+/-1274.906 χ²/NDF: 65.0/69



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8626.407+/-1.678 χ^2/NDF:1703069.6/17

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: 8964.160+/-1.229 χ^2/NDF: 2768812.7/34

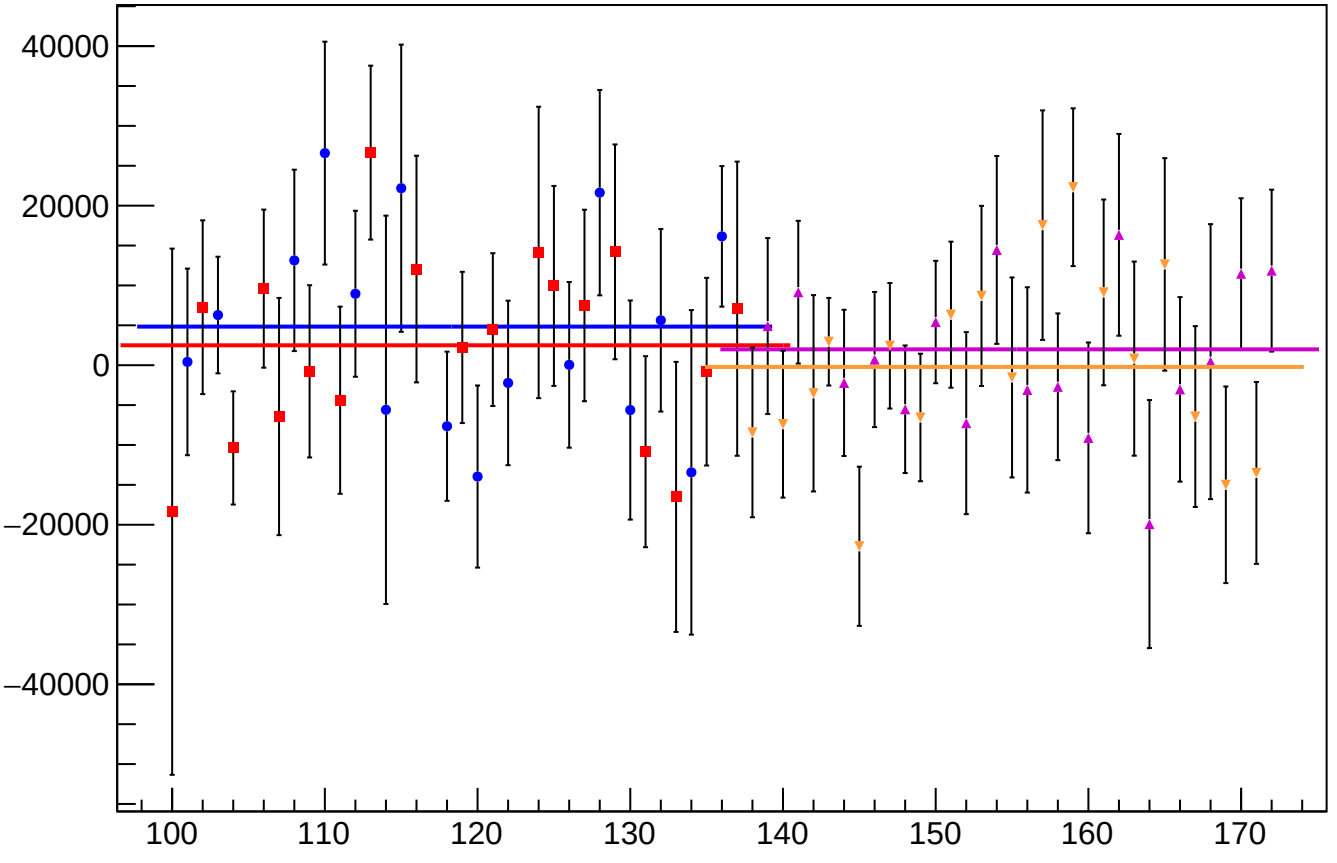
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 8464.561+/-1.333 χ^2/NDF:1916576.2/32

Out: 7752.160+/-1.224 χ^2/NDF:2926700.5/36

All: 8078.094+/-0.901 χ^2/NDF: 4998271.4/69

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -218.289+/-2323.100 χ^2/NDF:20.0/17

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: 806.420+/-1699.187 χ^2/NDF: 30.9/34

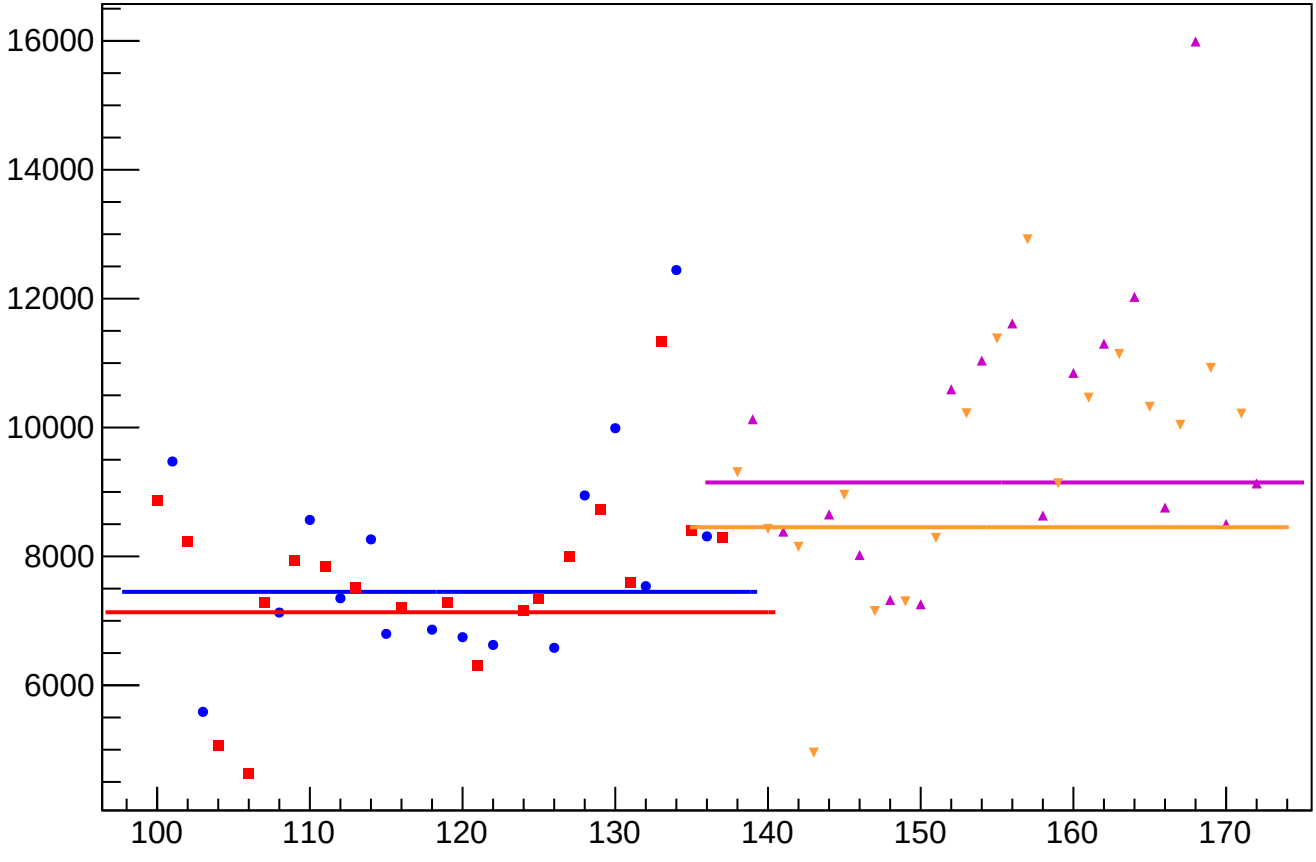
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 3231.565+/-1869.850 χ^2/NDF:25.4/32

Out: 938.466+/-1759.743 χ^2/NDF:35.5/36

All: 2015.516+/-1281.485 χ^2/NDF: 61.7/69

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8452.795+/-1.643 χ^2/NDF:1652757.8/17

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 9147.399+/-1.762 χ^2/NDF:954446.7/16

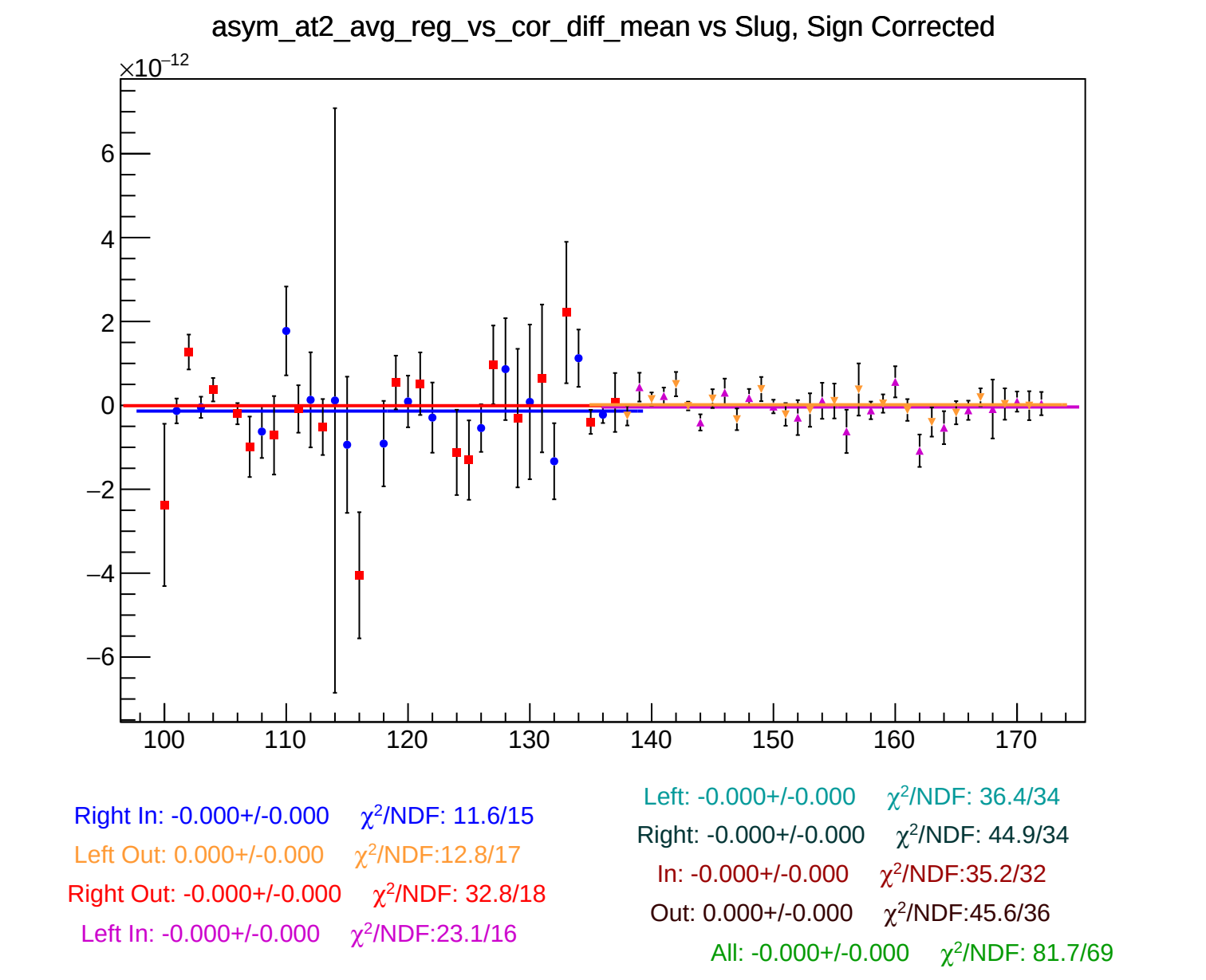
Left: 8775.792+/-1.202 χ^2/NDF: 2690348.2/34

Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 8405.807+/-1.322 χ^2/NDF:1846346.9/32

Out: 7890.306+/-1.244 χ^2/NDF:2484842.2/36

All: 8132.426+/-0.906 χ^2/NDF: 4411804.3/69


asym_at2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
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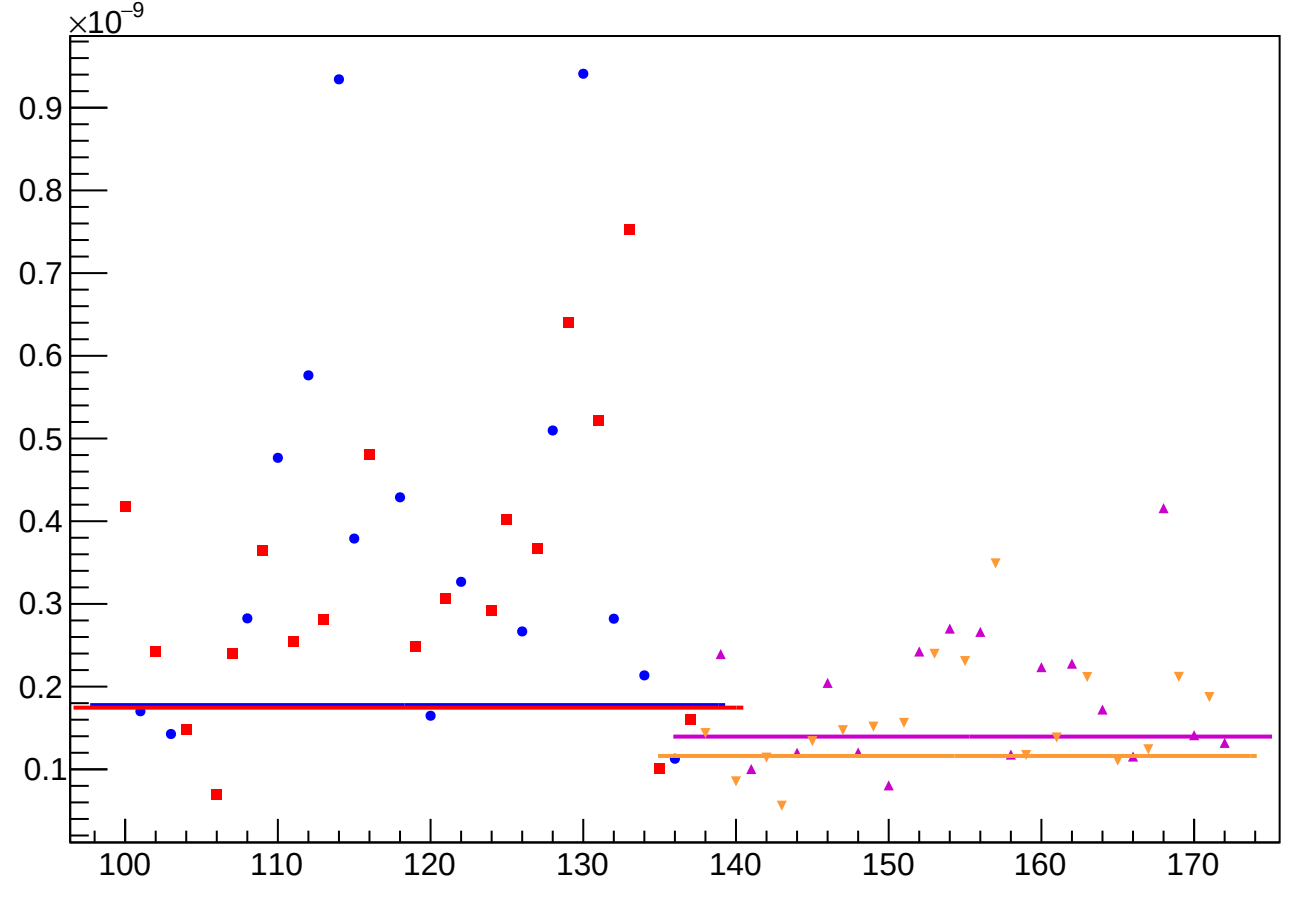
0
−2
−4
−6
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 11.6/15
Left Out: 0.000+/-0.000 χ²/NDF:12.8/17
Right Out: -0.000+/-0.000 χ²/NDF: 32.8/18
Left In: -0.000+/-0.000 χ²/NDF:23.1/16
Left: -0.000+/-0.000 χ²/NDF: 36.4/34
Right: -0.000+/-0.000 χ²/NDF: 44.9/34
In: -0.000+/-0.000 χ²/NDF:35.2/32
Out: 0.000+/-0.000 χ²/NDF:45.6/36
All: -0.000+/-0.000 χ²/NDF: 81.7/69



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1905091.3/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1624867.7/16

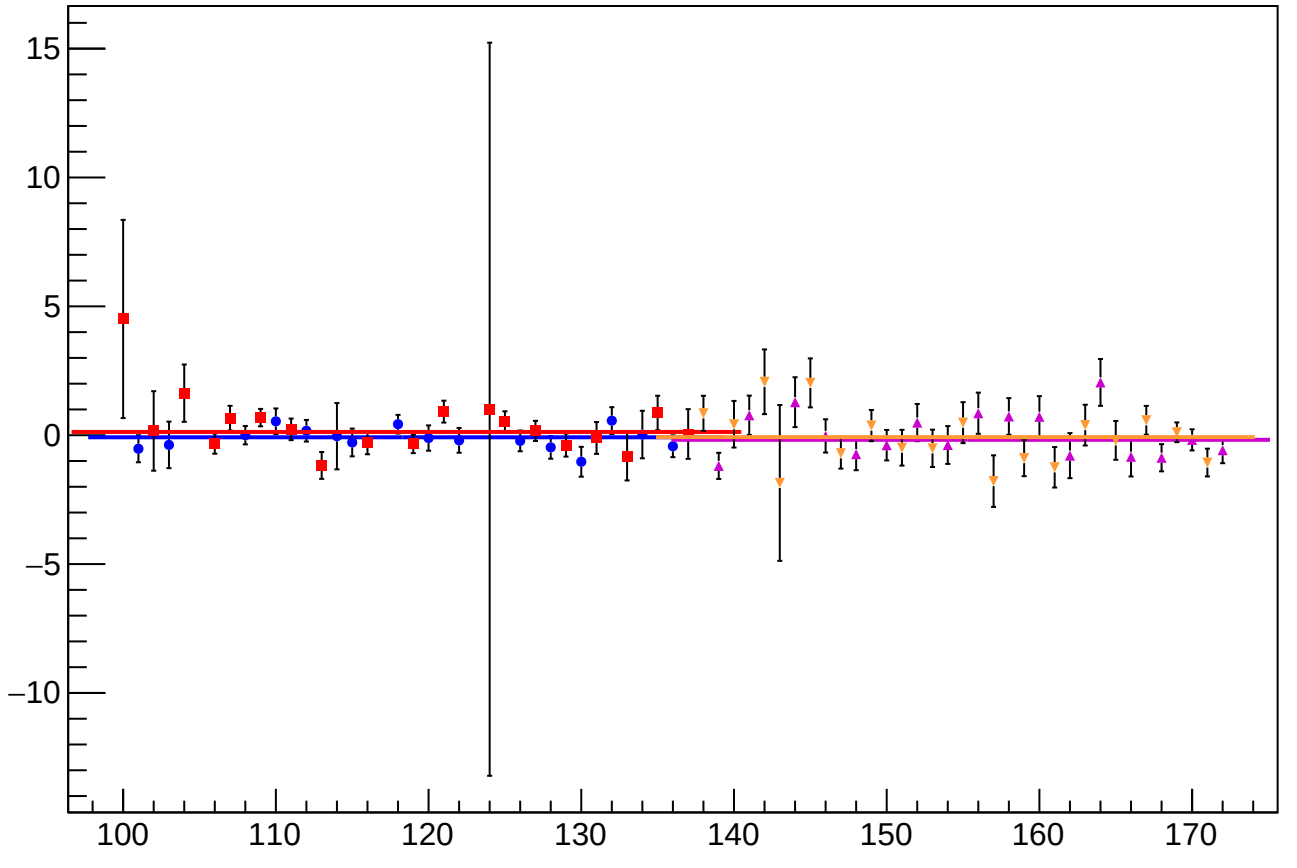
Left: 0.000+/-0.000 χ^2/NDF: 3682335.5/34

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:3922889.6/36

All: 0.000+/-0.000 χ^2/NDF: 7407855.2/69



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.074+/-0.163 χ^2/NDF:25.0/17

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.178+/-0.156 χ^2/NDF:23.9/16

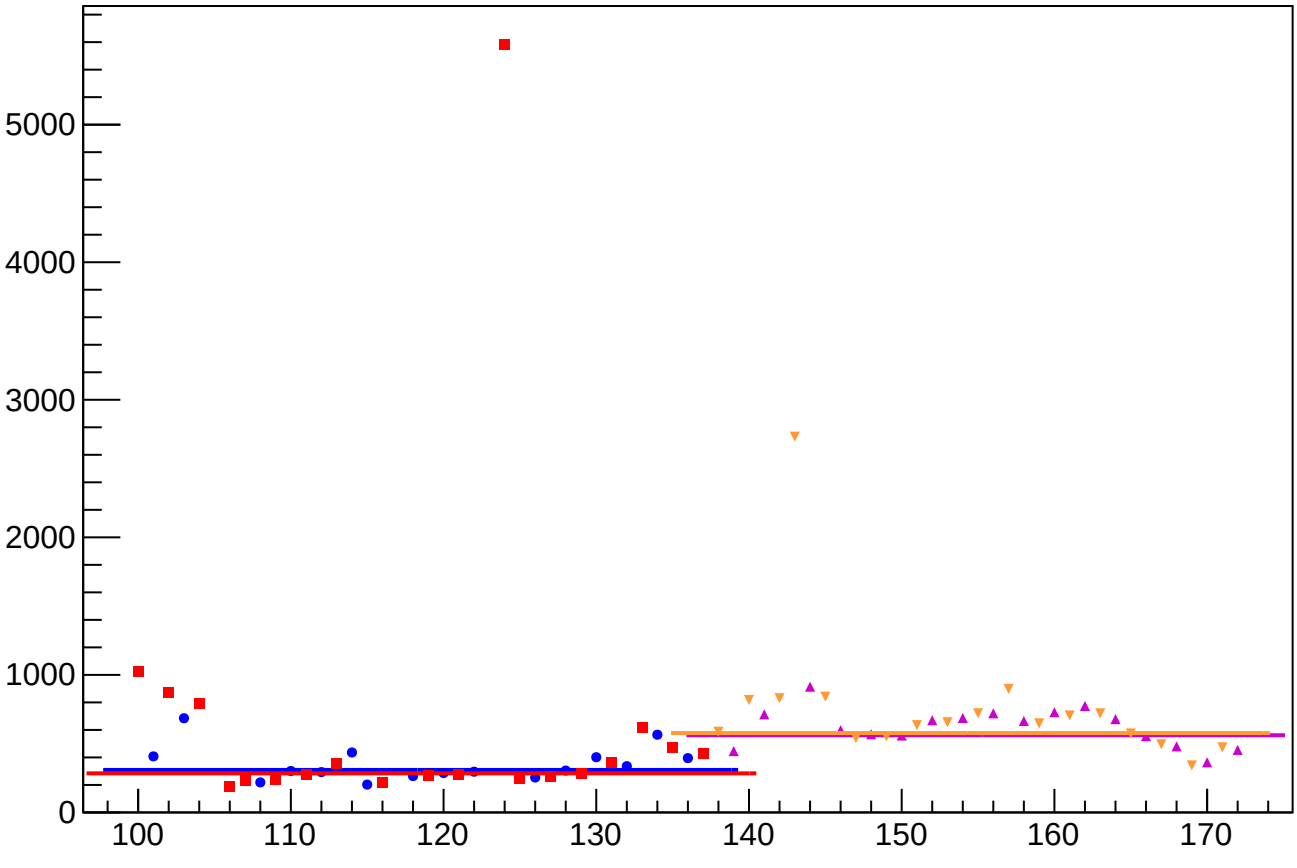
Left: -0.128+/-0.113 χ^2/NDF: 49.1/34

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.117+/-0.096 χ^2/NDF:34.9/32

Out: 0.059+/-0.095 χ^2/NDF:51.3/36

All: -0.028+/-0.068 χ^2/NDF: 87.8/69



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 577.098+/-0.115 χ^2/NDF:2723570.7/17

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: 568.834+/-0.080 χ^2/NDF: 4247275.0/34

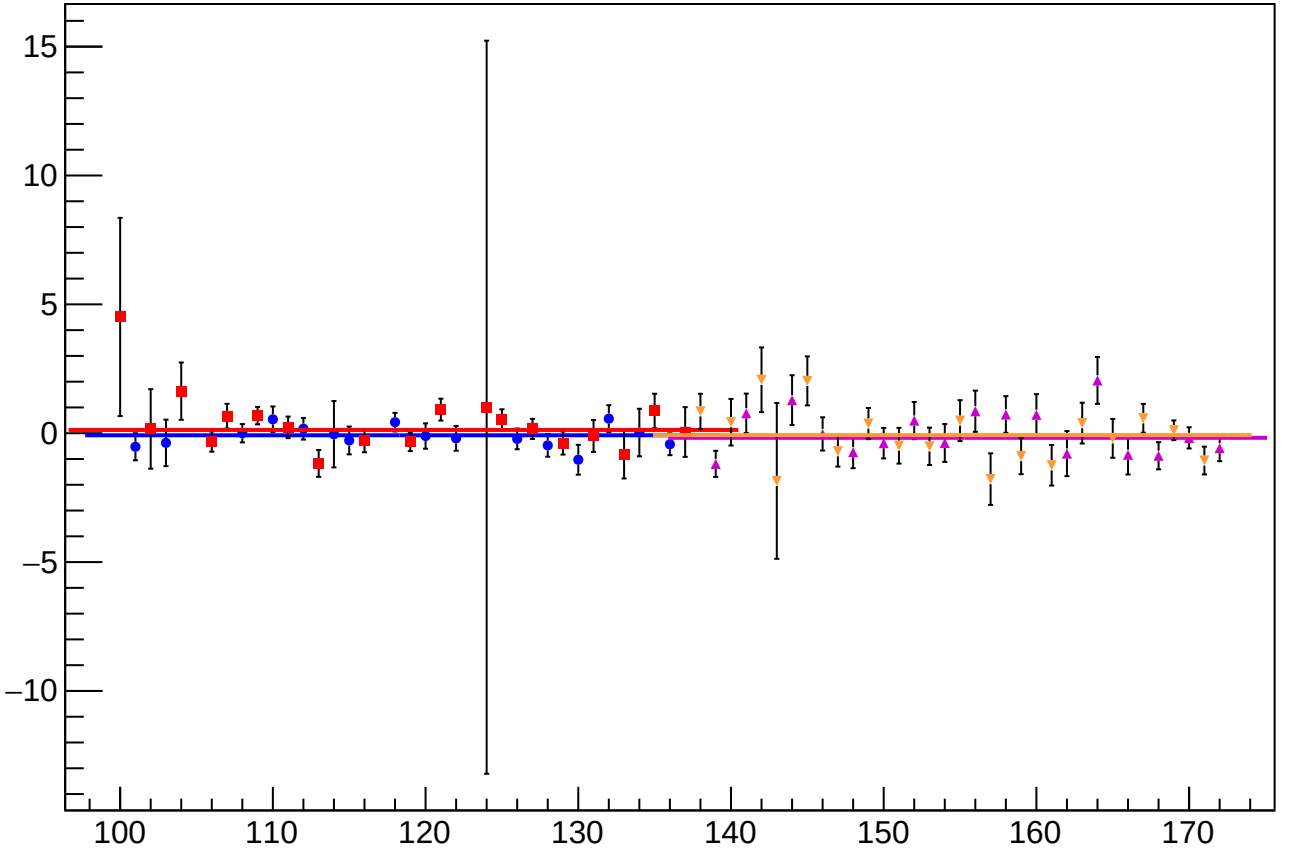
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 404.551+/-0.068 χ^2/NDF:5769404.0/32

Out: 384.044+/-0.067 χ^2/NDF:8859832.2/36

All: 394.174+/-0.048 χ^2/NDF: 14675358.6/69

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: -0.074+/-0.163 χ^2/NDF:25.0/17

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.178+/-0.156 χ^2/NDF:23.9/16

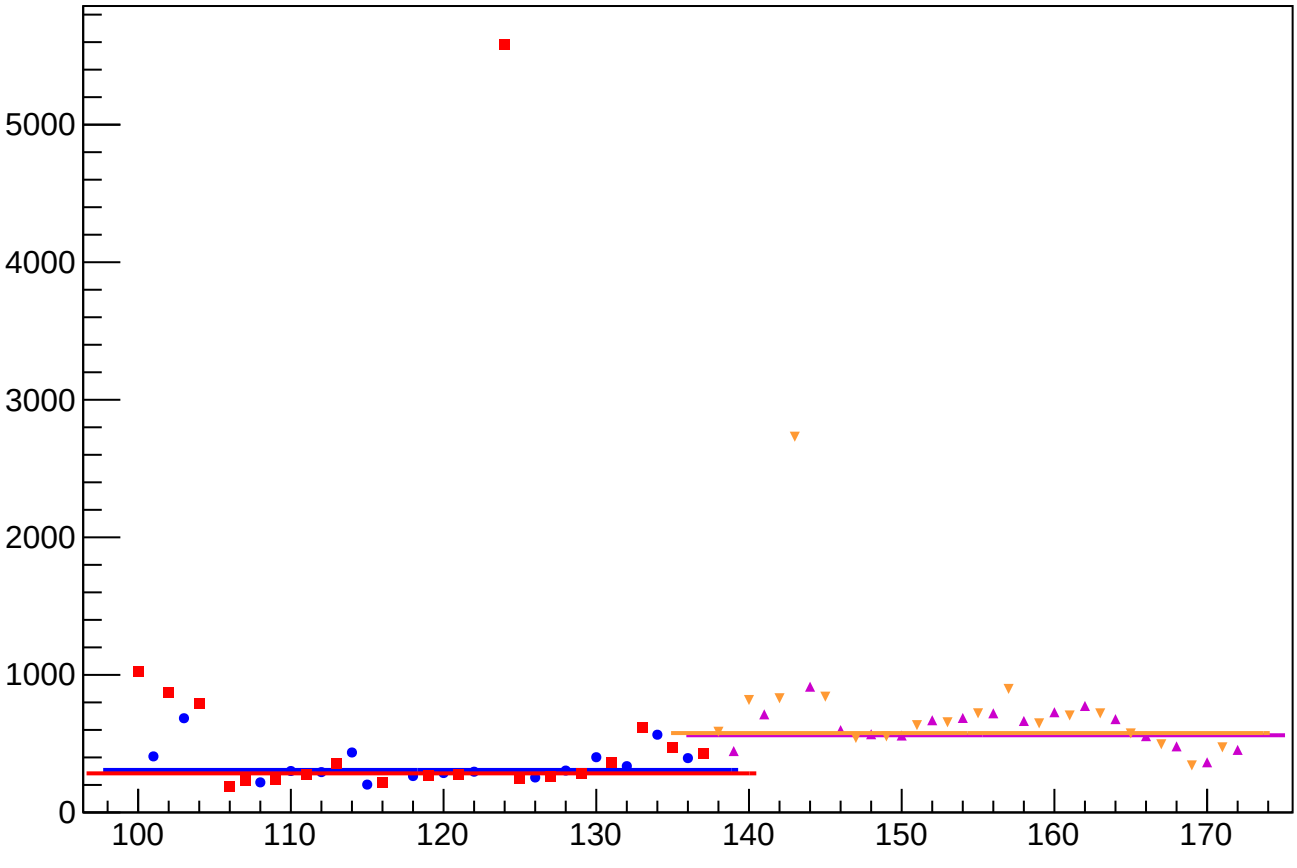
Left: -0.128+/-0.113 χ^2/NDF: 49.1/34

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.117+/-0.096 χ^2/NDF:34.9/32

Out: 0.059+/-0.095 χ^2/NDF:51.3/36

All: -0.028+/-0.068 χ^2/NDF: 87.8/69



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 577.098+/-0.115 χ^2/NDF:2723570.7/17

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 561.213+/-0.110 χ^2/NDF:1513769.8/16

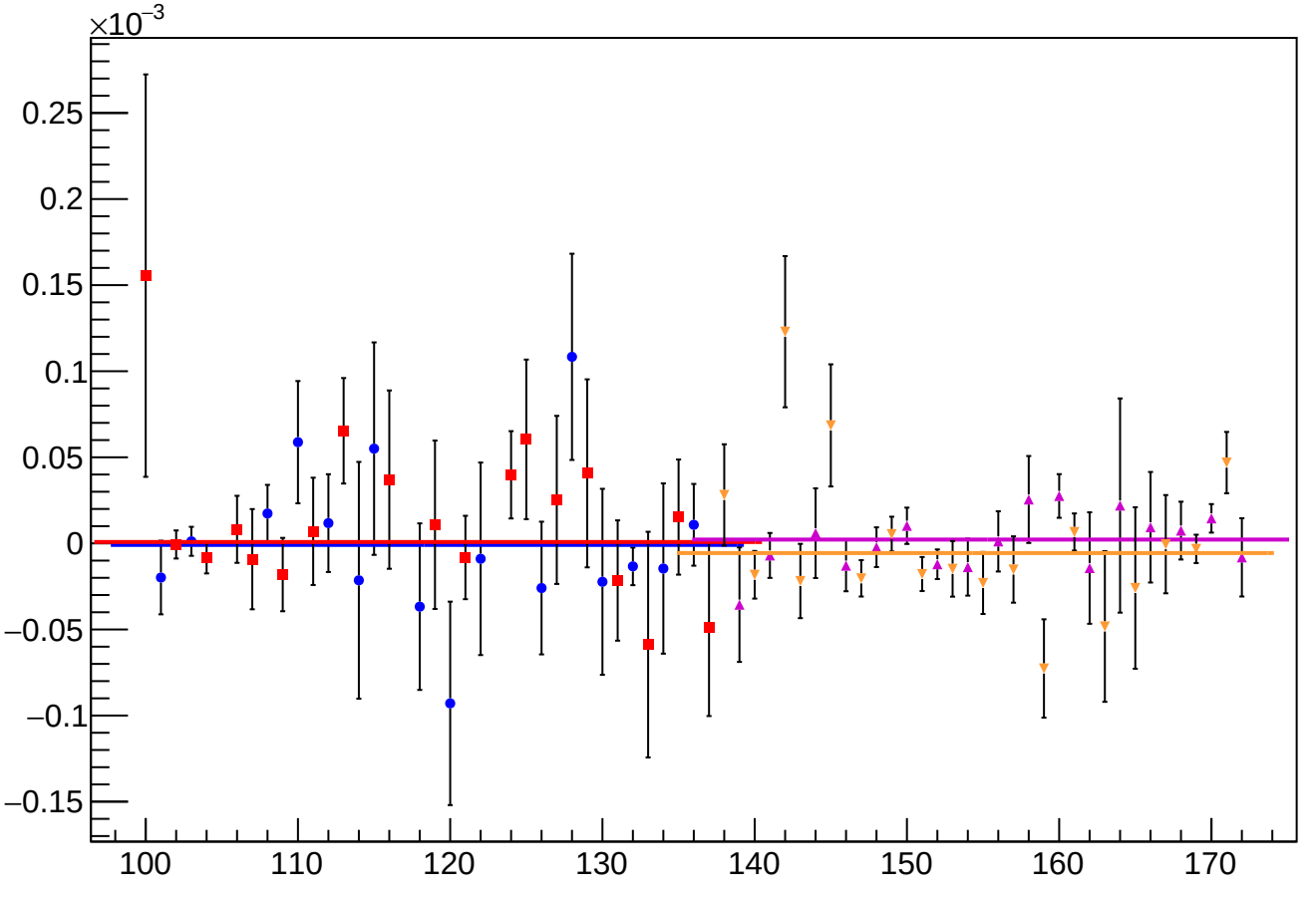
Left: 568.834+/-0.080 χ^2/NDF: 4247275.0/34

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 404.551+/-0.068 χ^2/NDF:5769404.0/32

Out: 384.044+/-0.067 χ^2/NDF:8859832.2/36

All: 394.174+/-0.048 χ^2/NDF: 14675358.6/69



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:38.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:15.1/16

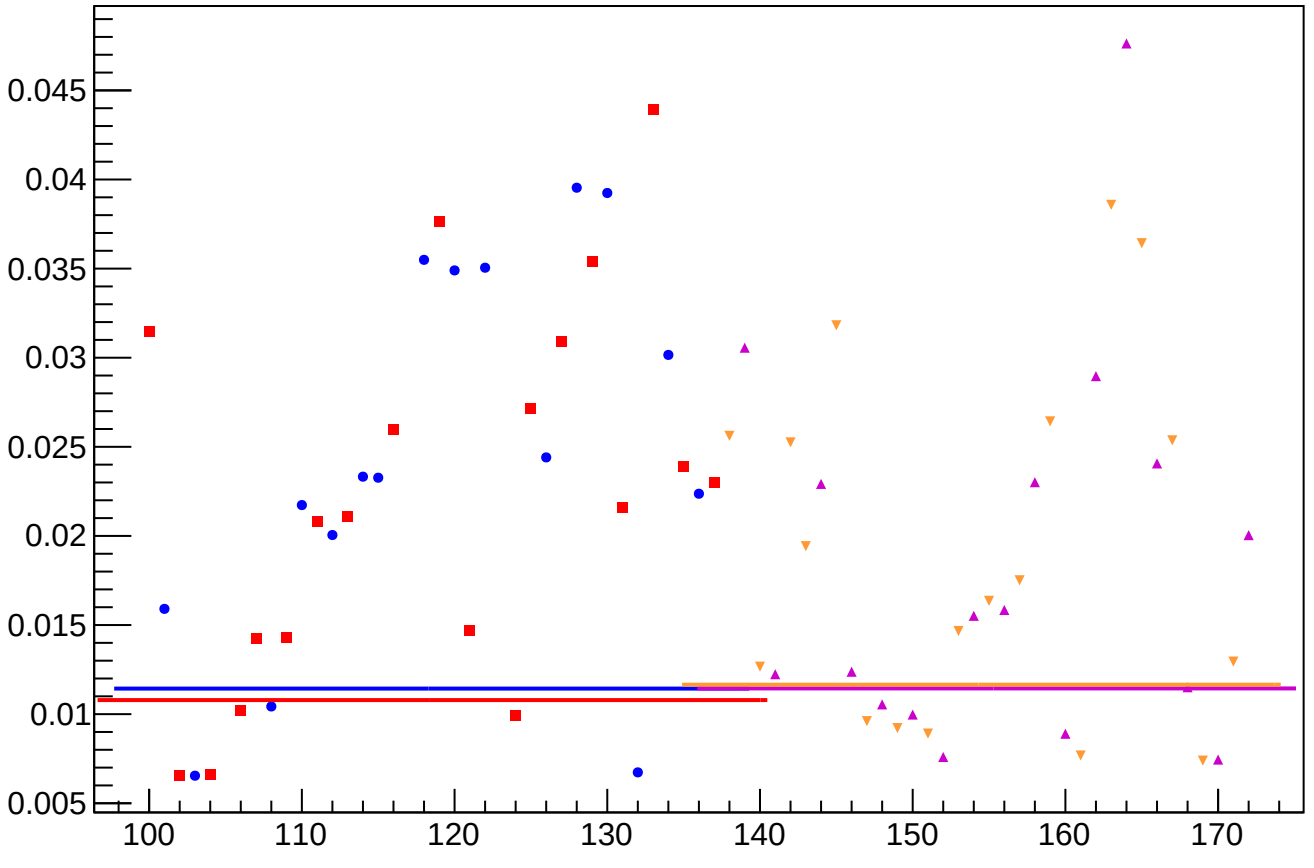
Left: -0.000+/-0.000 χ^2/NDF: 56.0/34

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:55.8/36

All: -0.000+/-0.000 χ^2/NDF: 86.9/69



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:5426319.7/17

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: 10016689.8/34

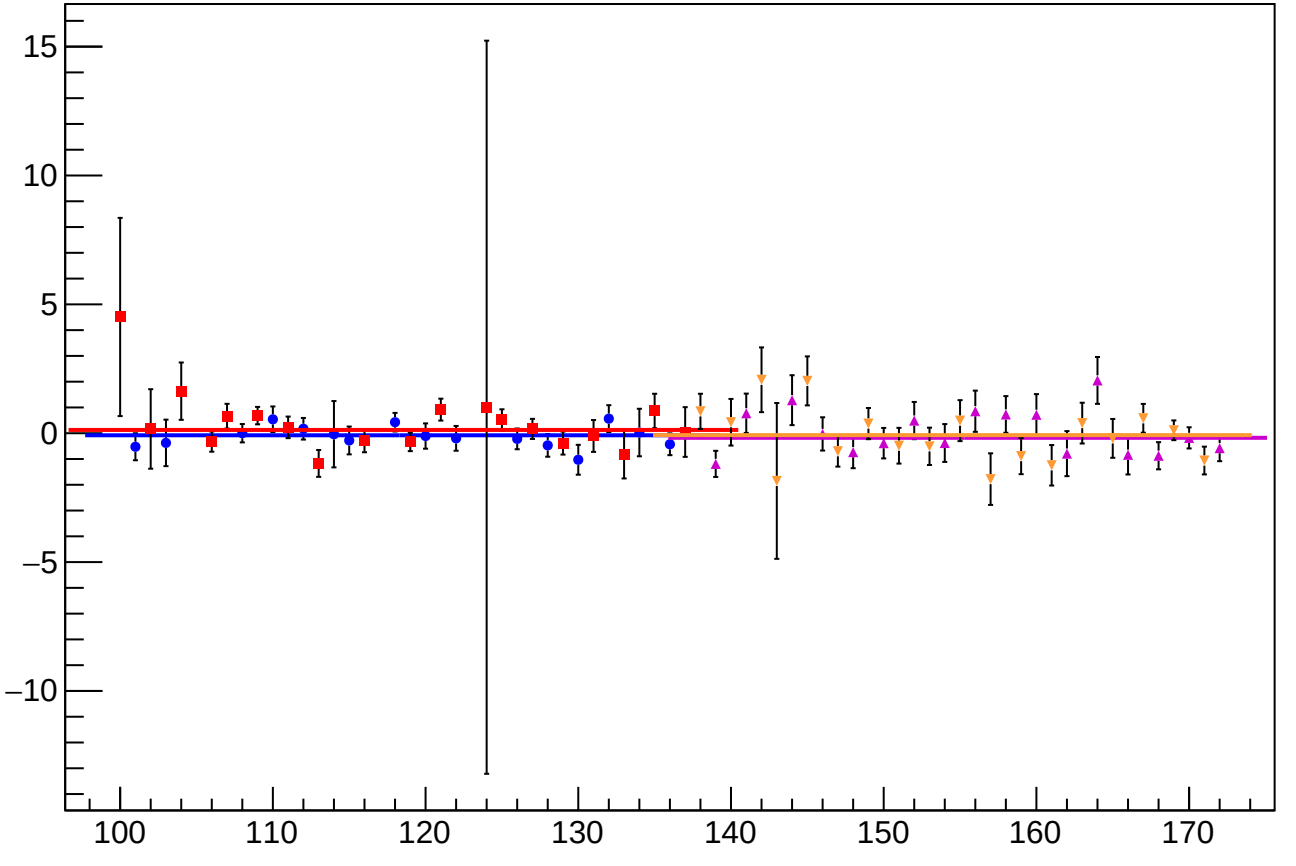
Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.011+/-0.000 χ^2/NDF:9286853.9/32

Out: 0.011+/-0.000 χ^2/NDF:9941168.3/36

All: 0.011+/-0.000 χ^2/NDF: 19229026.7/69

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.074+/-0.163 χ^2/NDF:25.0/17

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.178+/-0.156 χ^2/NDF:23.9/16

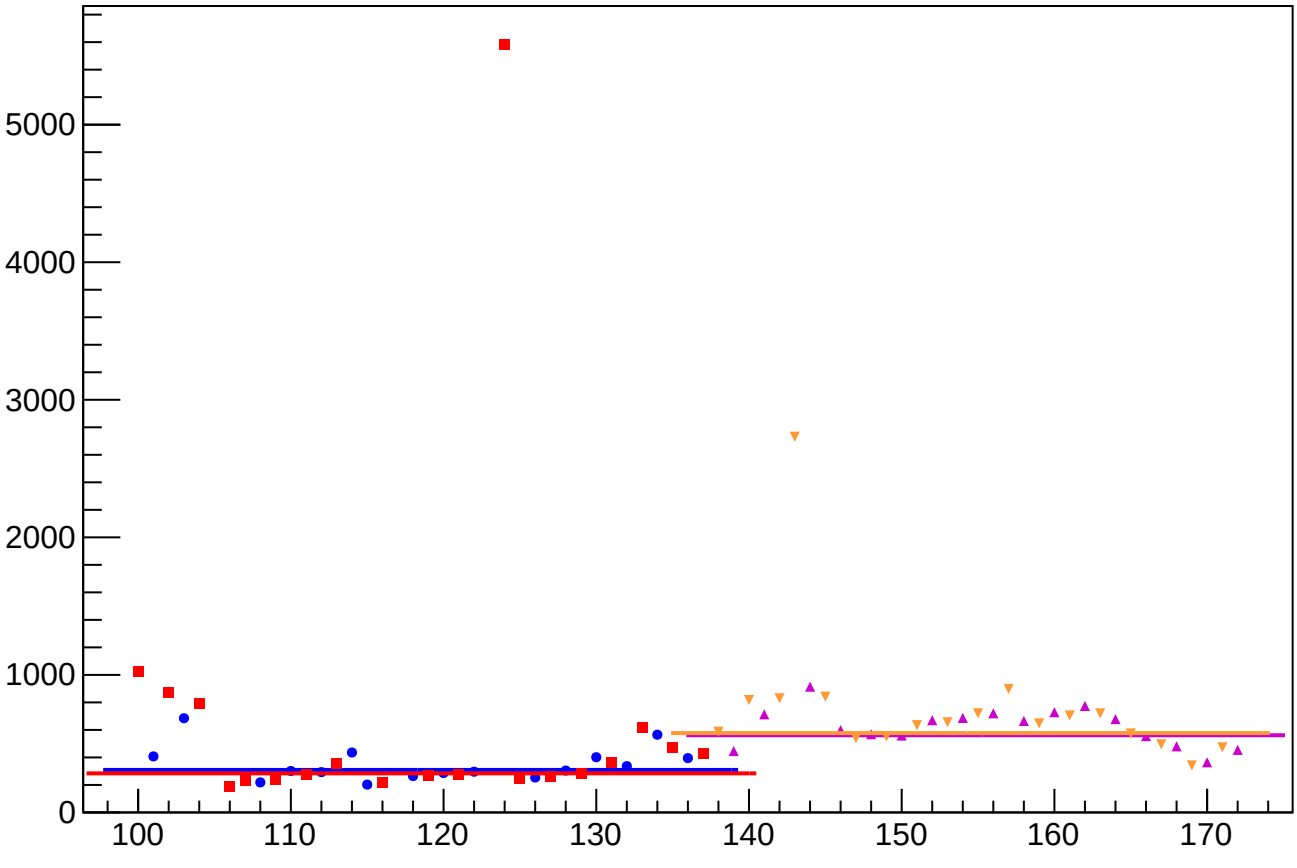
Left: -0.128+/-0.113 χ^2/NDF: 49.1/34

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.117+/-0.096 χ^2/NDF:34.9/32

Out: 0.059+/-0.095 χ^2/NDF:51.3/36

All: -0.028+/-0.068 χ^2/NDF: 87.8/69



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 577.101+/-0.115 χ^2/NDF:2723678.3/17

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: 568.838+/-0.080 χ^2/NDF: 4247451.9/34

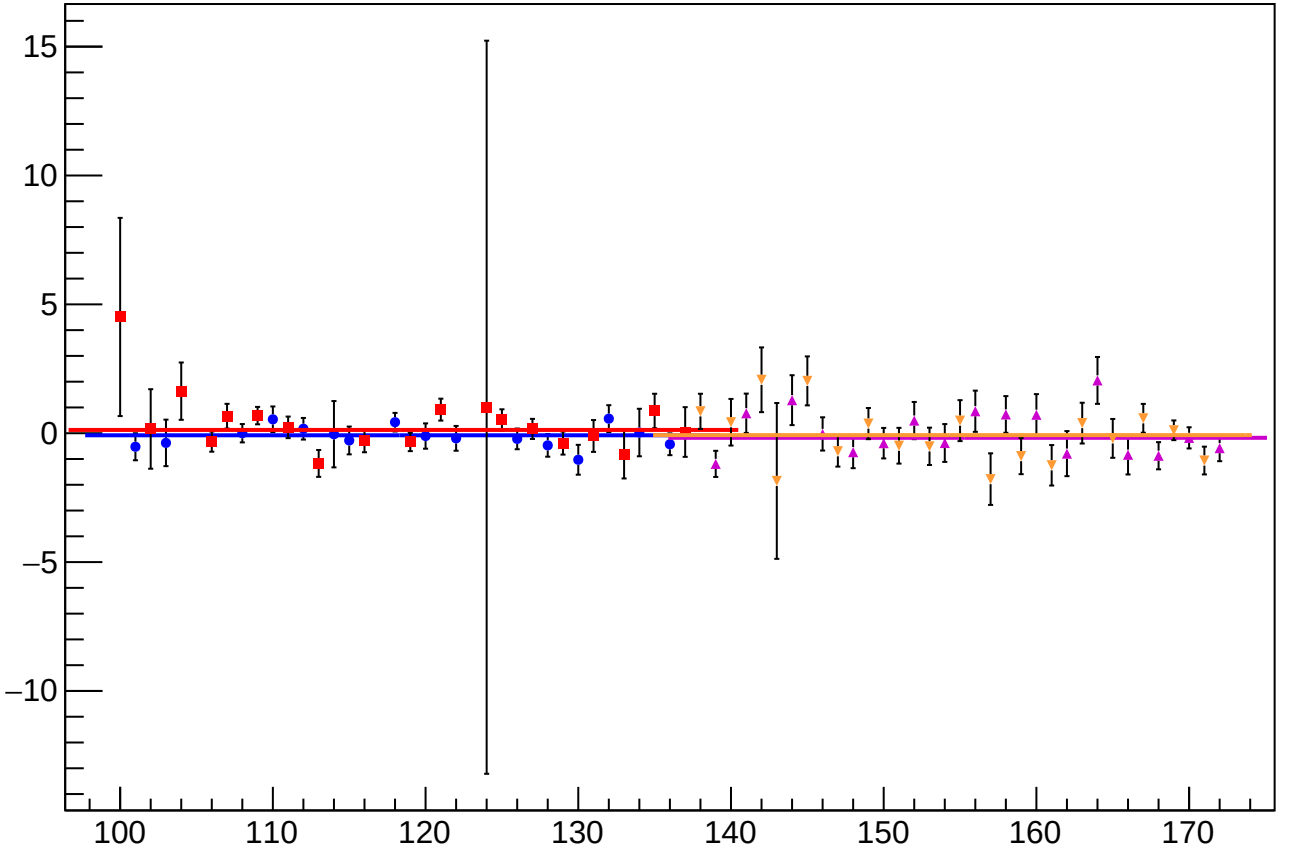
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 404.551+/-0.068 χ^2/NDF:5769542.2/32

Out: 384.043+/-0.067 χ^2/NDF:8859996.0/36

All: 394.174+/-0.048 χ^2/NDF: 14675662.3/69

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: -0.074+/-0.163 χ^2/NDF:25.0/17

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.178+/-0.156 χ^2/NDF:23.9/16

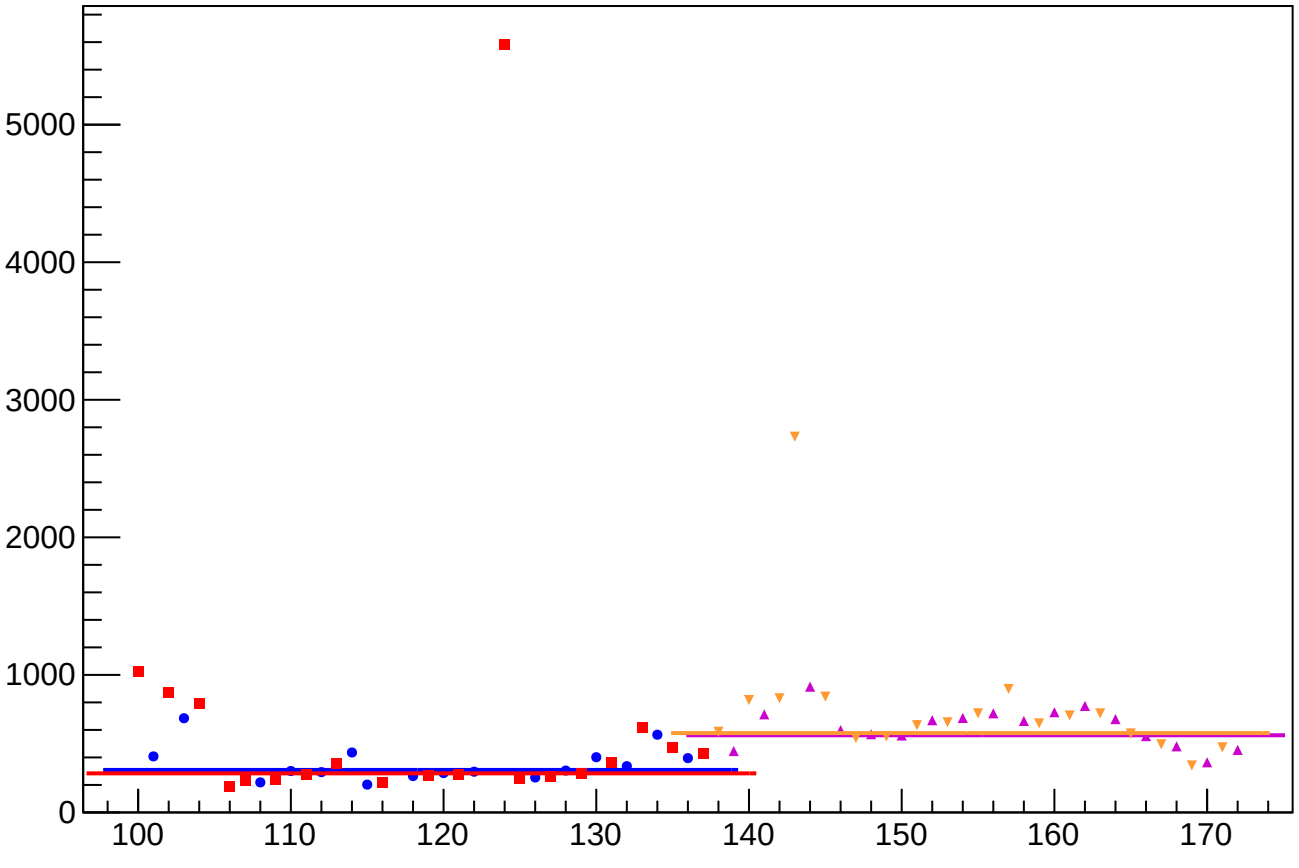
Left: -0.128+/-0.113 χ^2/NDF: 49.1/34

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.117+/-0.096 χ^2/NDF:34.9/32

Out: 0.059+/-0.095 χ^2/NDF:51.3/36

All: -0.028+/-0.068 χ^2/NDF: 87.8/69



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 577.101+/-0.115 χ^2/NDF:2723678.3/17

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 561.217+/-0.110 χ^2/NDF:1513840.8/16

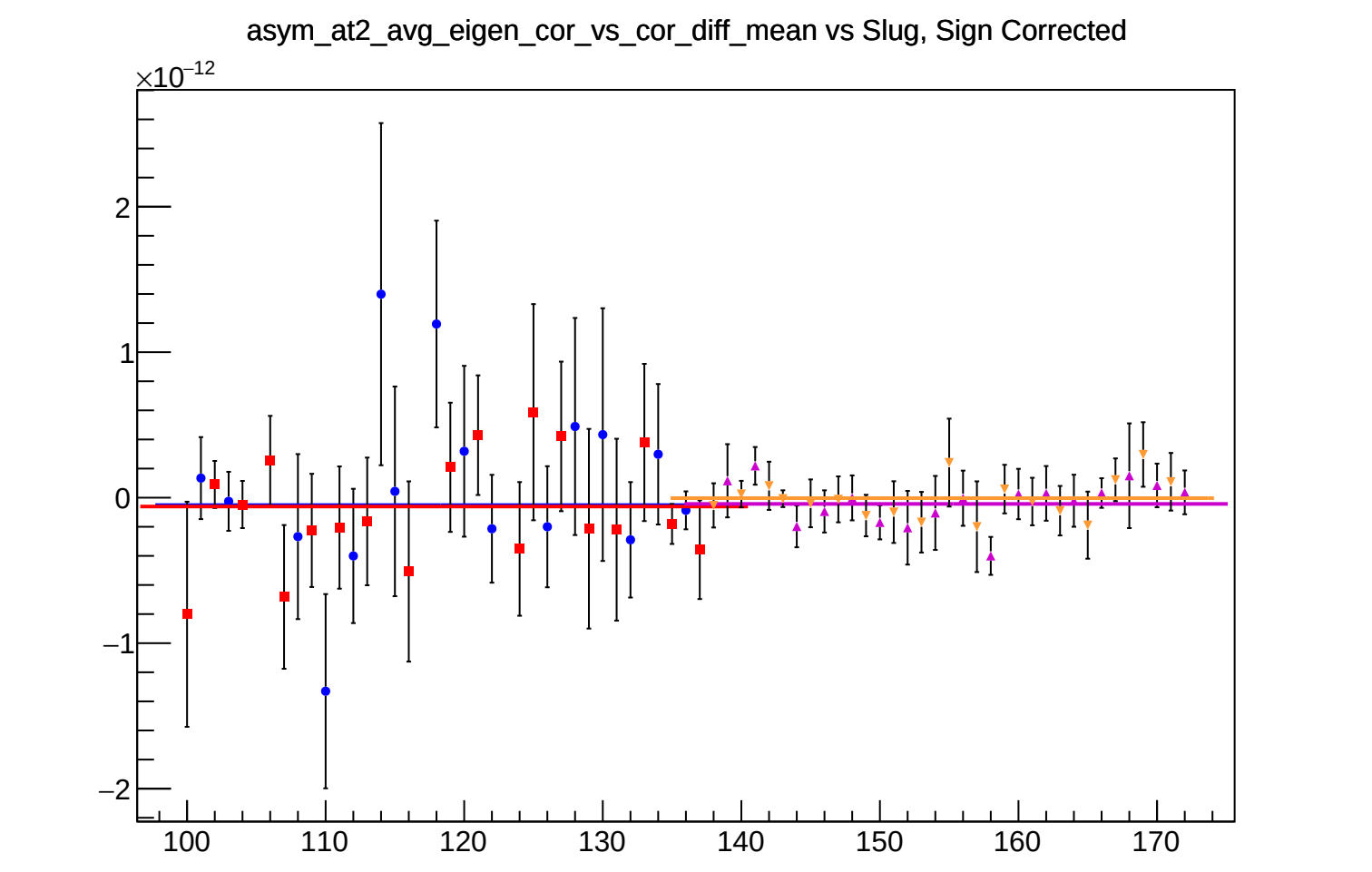
Left: 568.838+/-0.080 χ^2/NDF: 4247451.9/34

Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 404.551+/-0.068 χ^2/NDF:5769542.2/32

Out: 384.043+/-0.067 χ^2/NDF:8859996.0/36

All: 394.174+/-0.048 χ^2/NDF: 14675662.3/69



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.1/17

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:17.2/16

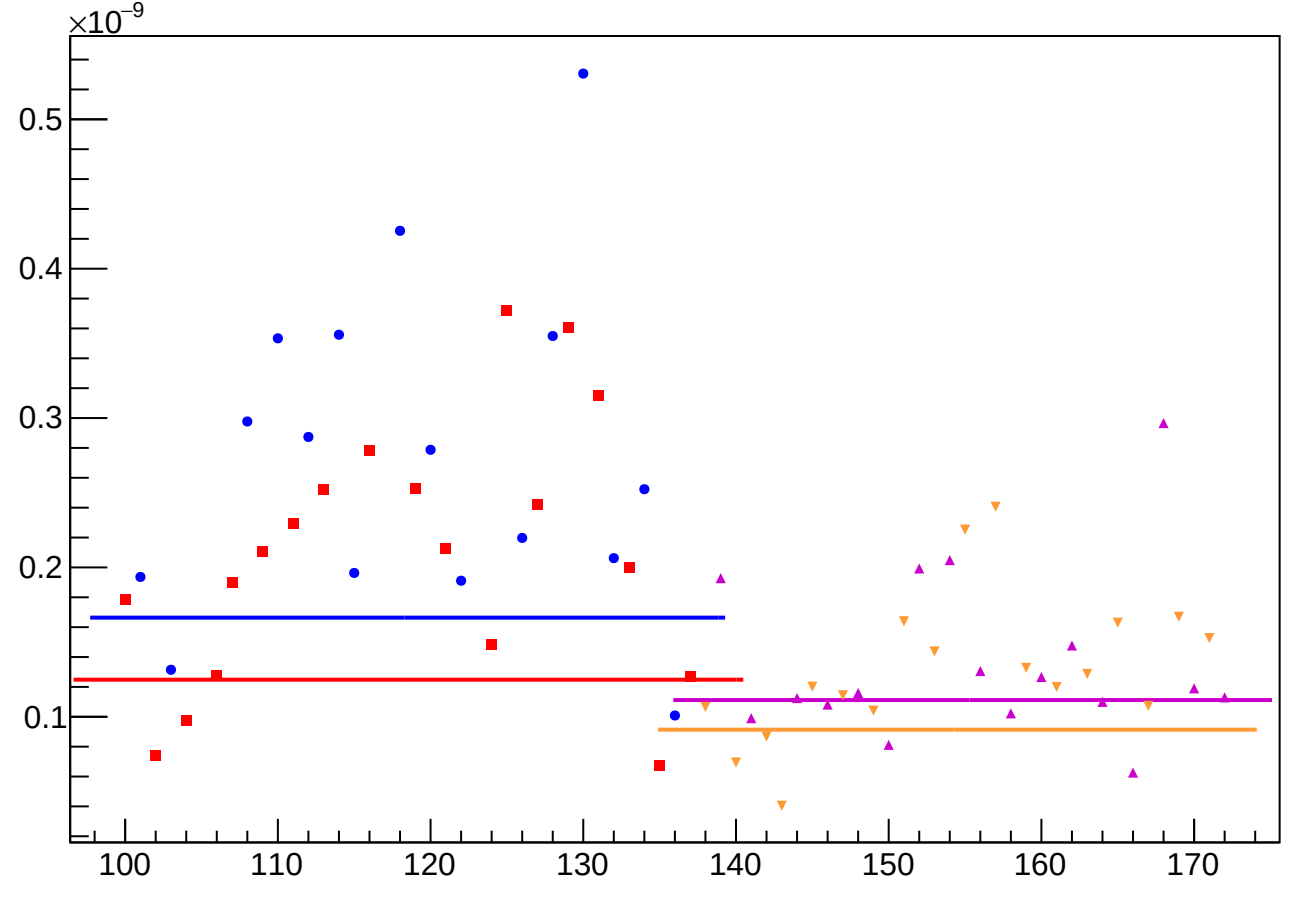
Left: -0.000+/-0.000 χ^2/NDF: 24.9/34

Right: -0.000+/-0.000 χ^2/NDF: 23.4/34

In: -0.000+/-0.000 χ^2/NDF:29.2/32

Out: -0.000+/-0.000 χ^2/NDF:19.1/36

All: -0.000+/-0.000 χ^2/NDF: 48.7/69



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:3950833.7/17

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: 6251924.0/34

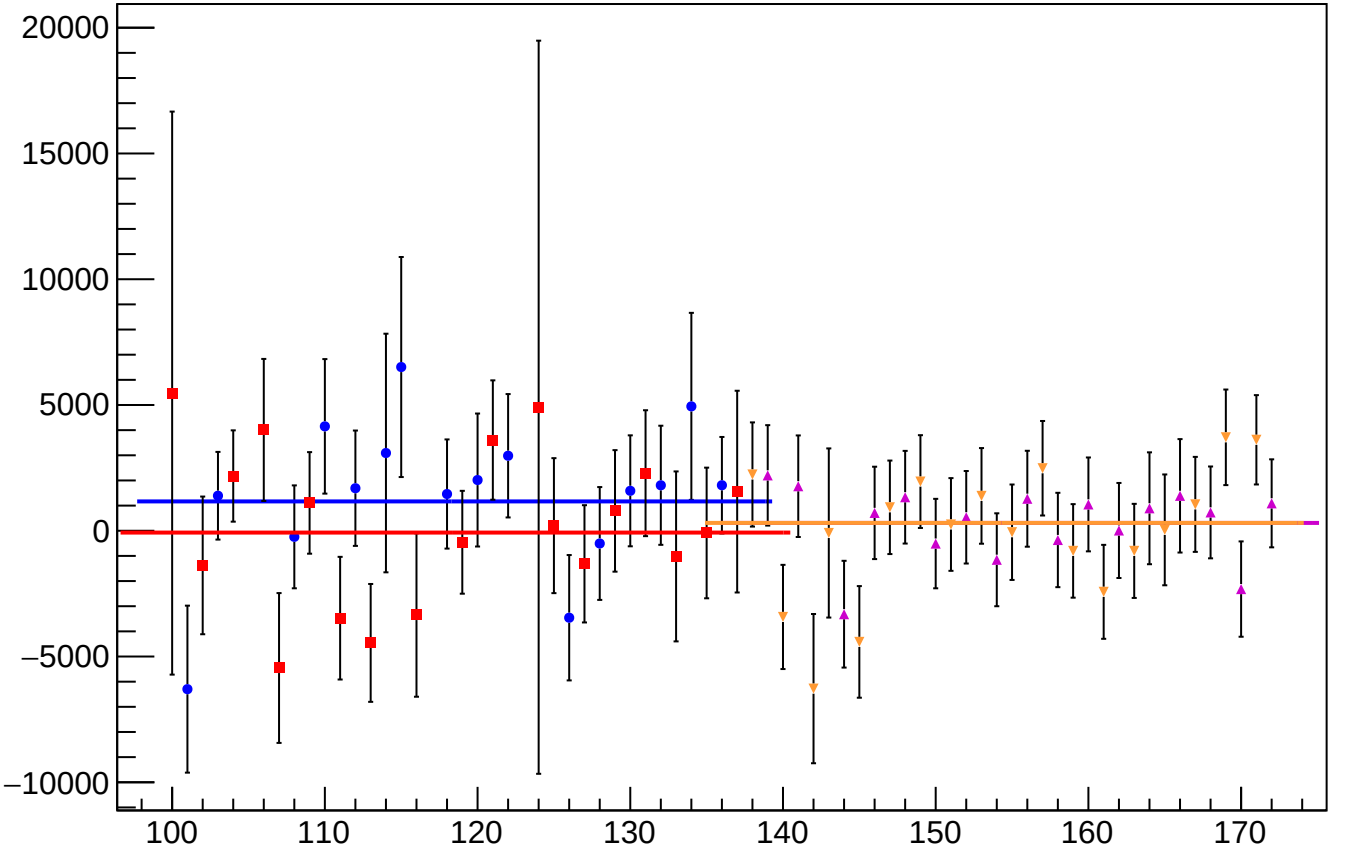
Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

In: 0.000+/-0.000 χ^2/NDF:4685222.8/32

Out: 0.000+/-0.000 χ^2/NDF:6533548.2/36

All: 0.000+/-0.000 χ^2/NDF: 11724293.2/69

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: 312.252+/-469.901 χ^2/NDF:25.9/17

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: 311.881+/-330.161 χ^2/NDF: 34.5/34

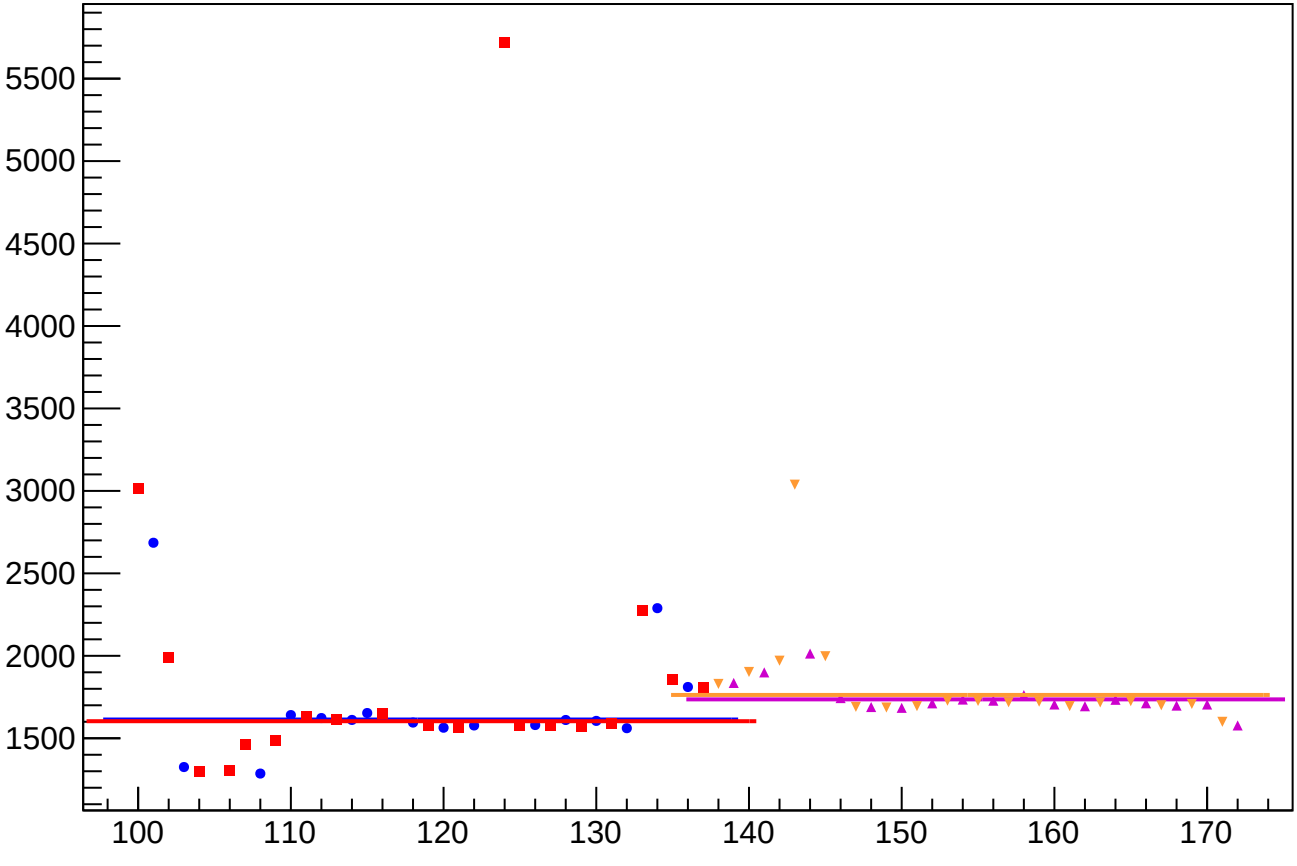
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 625.559+/-369.115 χ^2/NDF:24.3/32

Out: 167.112+/-370.733 χ^2/NDF:44.5/36

All: 397.338+/-261.574 χ^2/NDF: 69.5/69

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1762.740+/-0.332 χ^2/NDF:368638.0/17

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1735.839+/-0.328 χ^2/NDF:75612.1/16

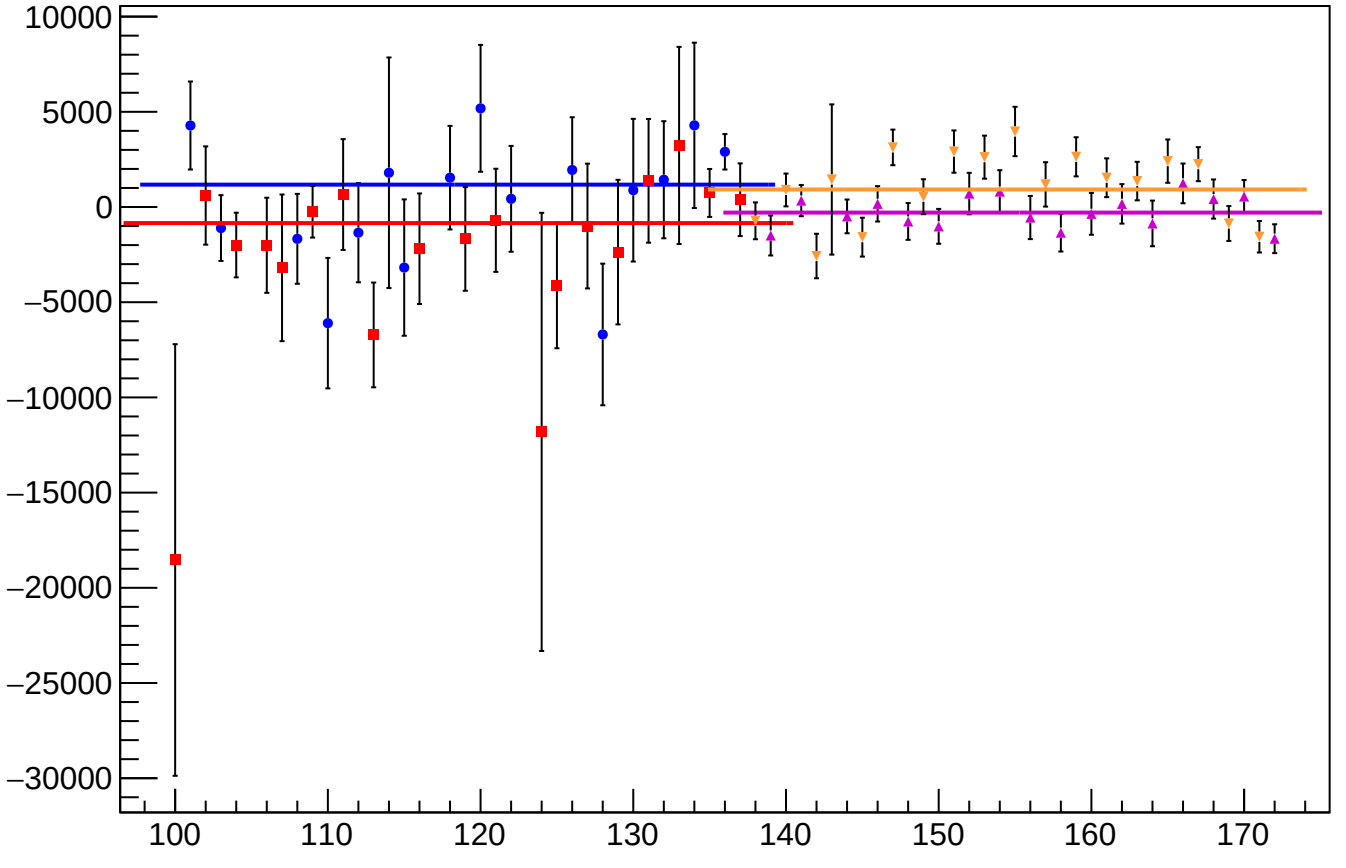
Left: 1749.120+/-0.233 χ^2/NDF: 447568.8/34

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1690.986+/-0.261 χ^2/NDF:531204.5/32

Out: 1702.606+/-0.262 χ^2/NDF:881184.6/36

All: 1696.771+/-0.185 χ^2/NDF: 1413375.8/69



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 920.450+/-242.513 χ^2/NDF:54.8/17

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -293.211+/-236.306 χ^2/NDF:13.3/16

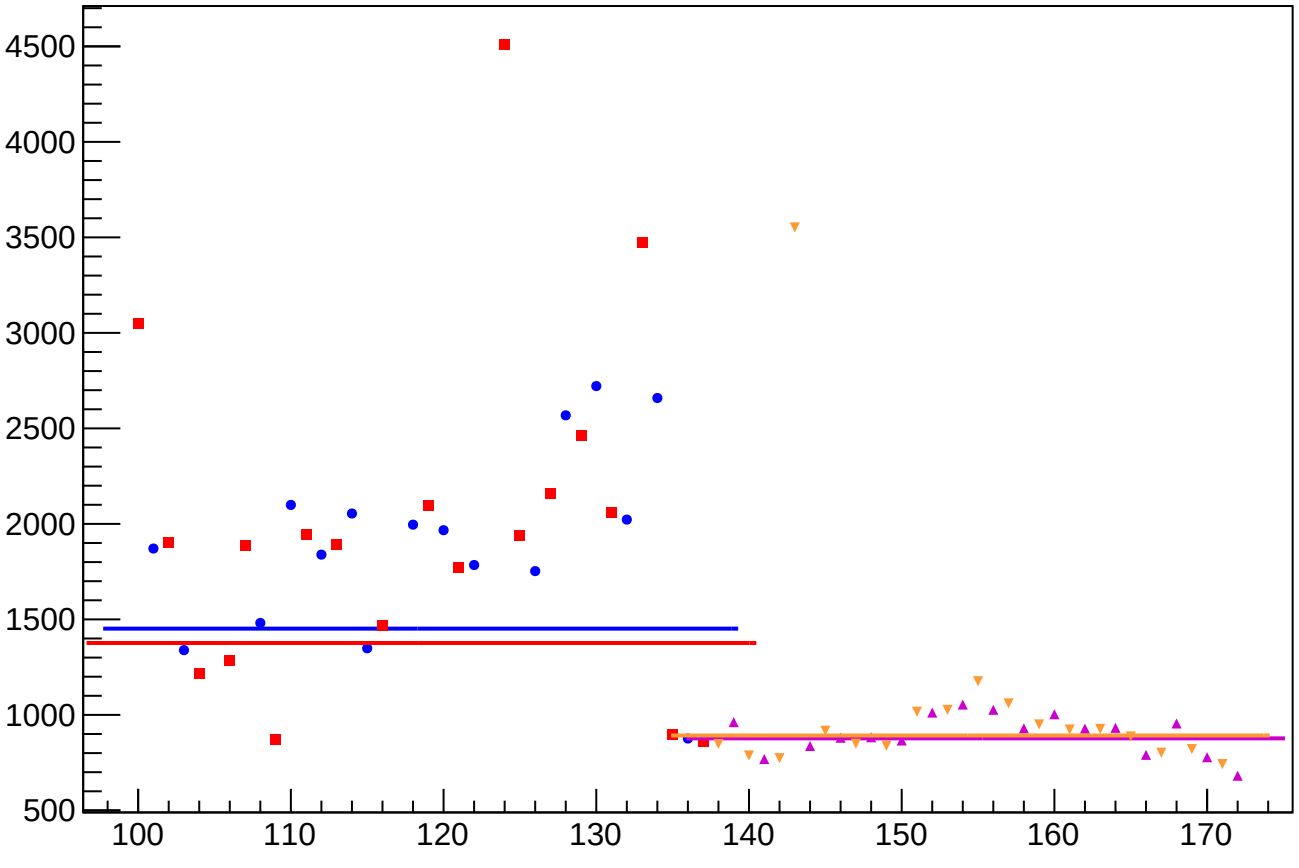
Left: 297.889+/-169.246 χ^2/NDF: 81.0/34

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: -83.542+/-218.790 χ^2/NDF:40.8/32

Out: 639.666+/-222.380 χ^2/NDF:77.5/36

All: 272.177+/-155.962 χ^2/NDF: 123.7/69



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 892.327+/-0.171 χ^2/NDF:1275256.0/17

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: 884.528+/-0.120 χ^2/NDF: 1672060.0/34

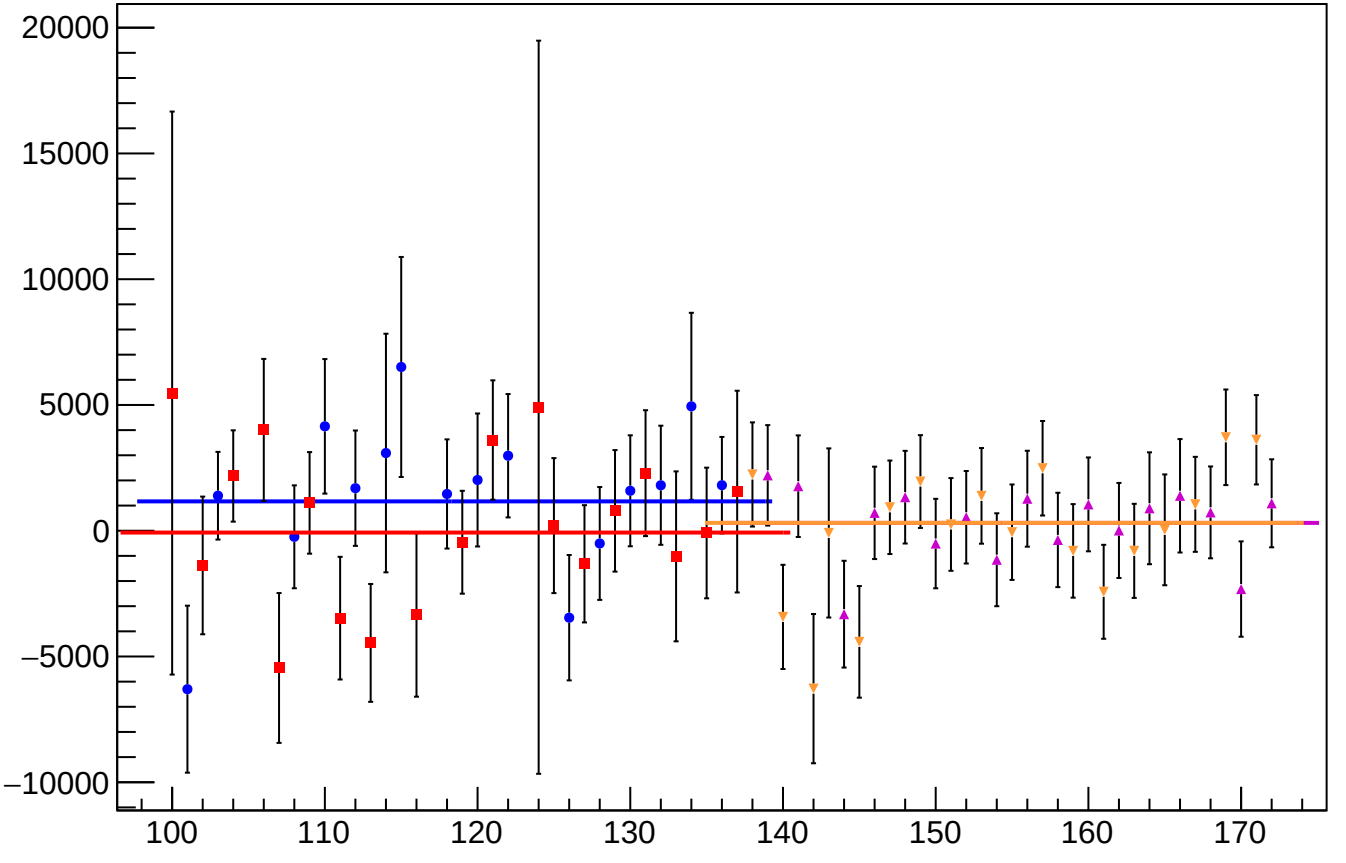
Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 959.139+/-0.155 χ^2/NDF:3871230.9/32

Out: 969.377+/-0.157 χ^2/NDF:4675845.4/36

All: 964.175+/-0.110 χ^2/NDF: 8549230.1/69

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 312.120+/-469.901 χ^2/NDF:25.9/17

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: 311.773+/-330.161 χ^2/NDF: 34.5/34

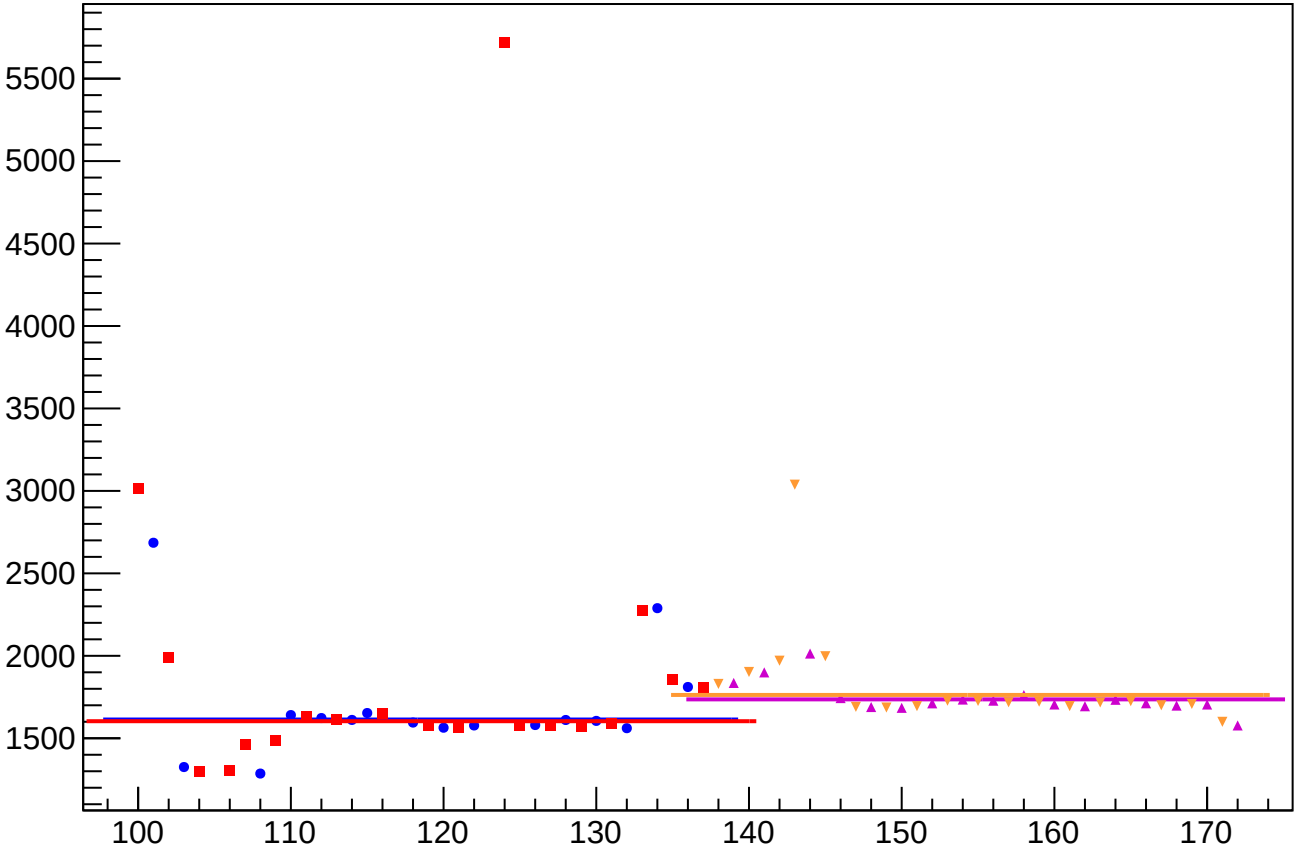
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 625.471+/-369.115 χ^2/NDF:24.3/32

Out: 166.910+/-370.733 χ^2/NDF:44.5/36

All: 397.193+/-261.574 χ^2/NDF: 69.5/69

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1762.740+/-0.332 χ^2/NDF:368638.0/17

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1735.839+/-0.328 χ^2/NDF:75612.1/16

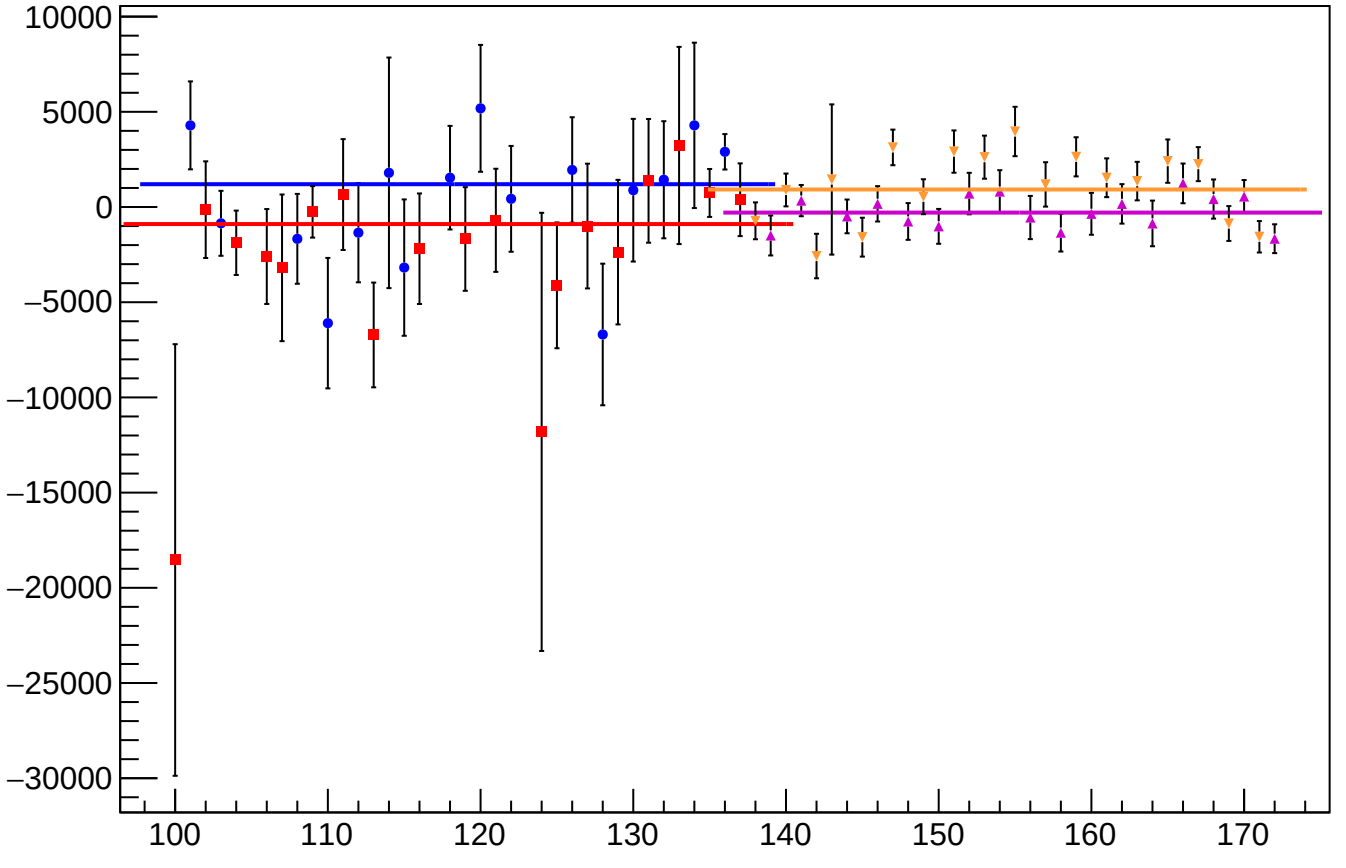
Left: 1749.120+/-0.233 χ^2/NDF: 447568.8/34

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1690.986+/-0.261 χ^2/NDF:531204.8/32

Out: 1702.606+/-0.262 χ^2/NDF:881184.8/36

All: 1696.771+/-0.185 χ^2/NDF: 1413376.3/69



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 920.479+/-242.516 χ^2/NDF:54.8/17

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: 297.920+/-169.246 χ^2/NDF: 81.0/34

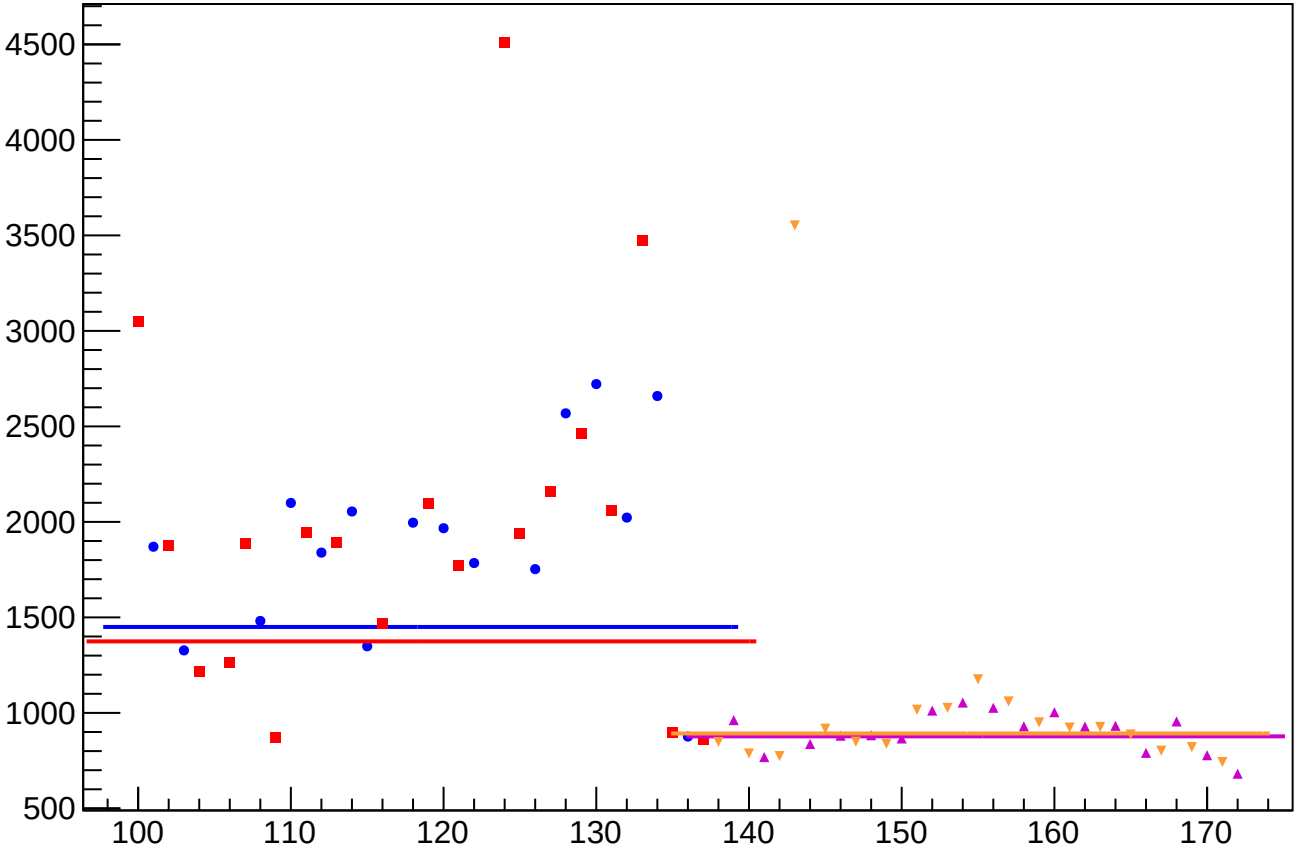
Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -79.718+/-218.745 χ^2/NDF:40.7/32

Out: 630.798+/-222.333 χ^2/NDF:78.0/36

All: 269.759+/-155.929 χ^2/NDF: 123.8/69

asym_at2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 892.340+/-0.171 χ^2/NDF:1275156.5/17

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 877.121+/-0.167 χ^2/NDF:392816.2/16

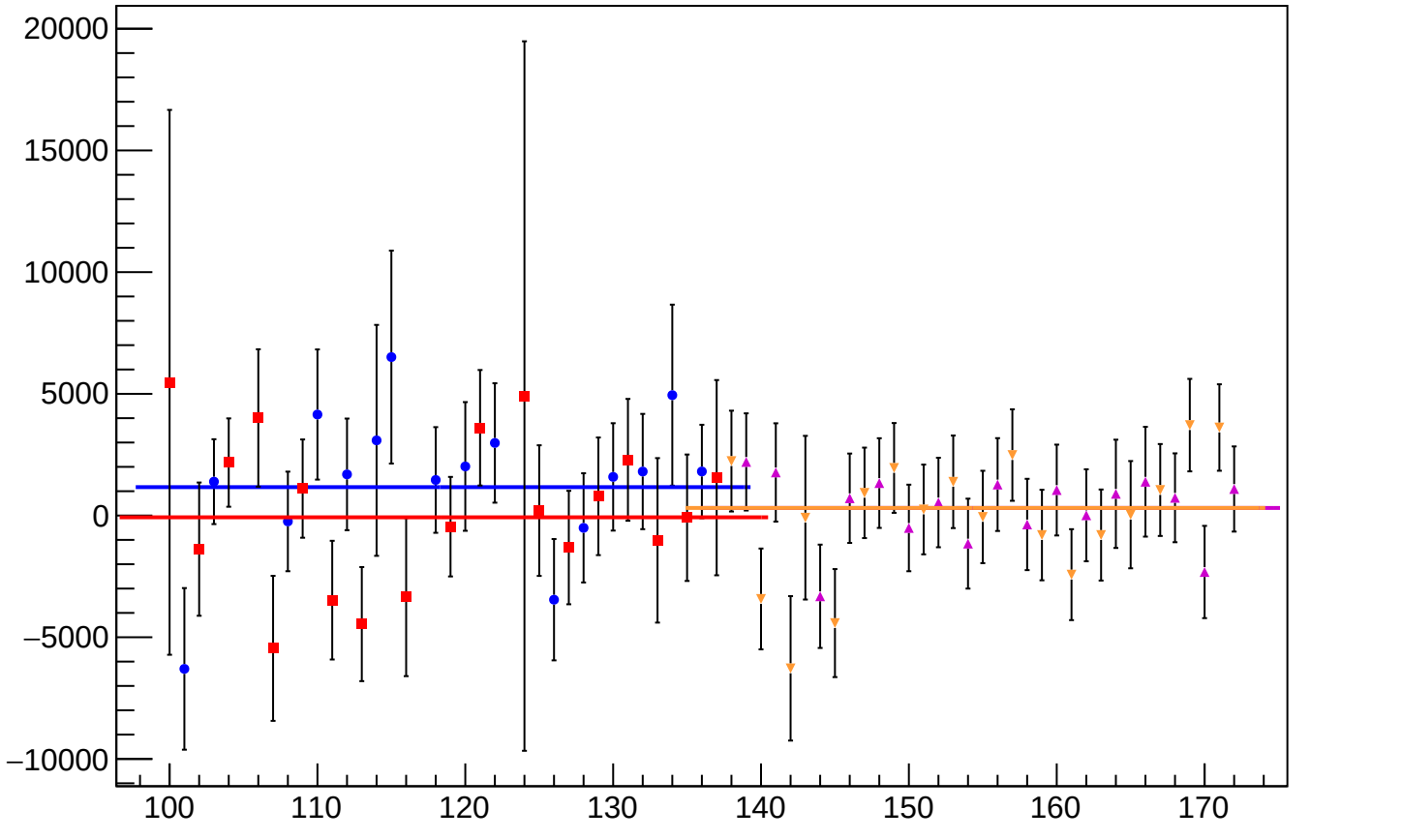
Left: 884.533+/-0.120 χ^2/NDF: 1672013.0/34

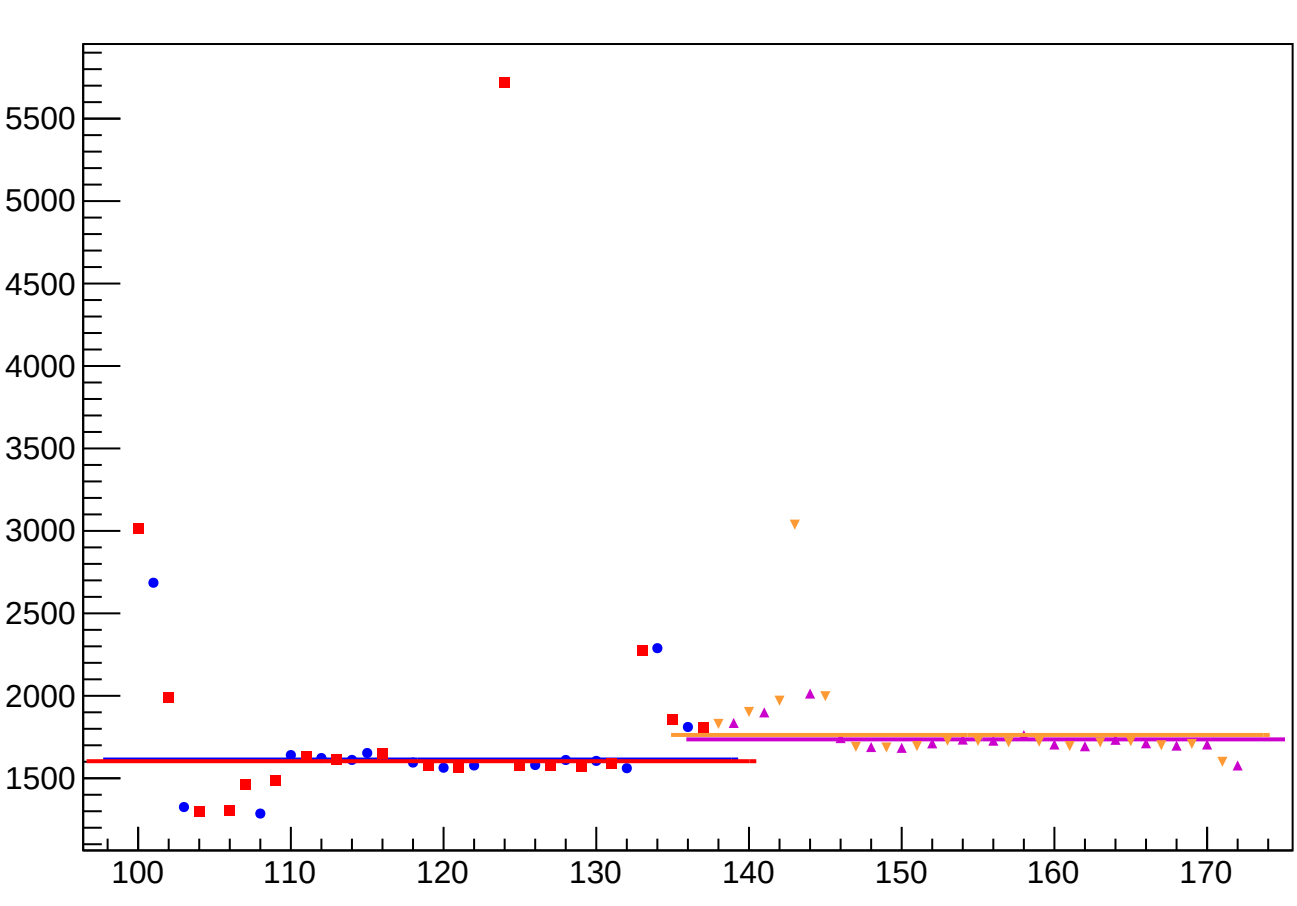
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 959.095+/-0.155 χ^2/NDF:3867283.6/32

Out: 969.245+/-0.157 χ^2/NDF:4663625.0/36

All: 964.087+/-0.110 χ^2/NDF: 8533026.7/69


eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 1166.769+/-609.171 χ²/NDF: 14.4/15
Left Out: 312.120+/-469.901 χ²/NDF:25.9/17
Right Out: -72.499+/-603.362 χ²/NDF: 18.3/18
Left In: 311.434+/-463.993 χ²/NDF:8.6/16
Left: 311.773+/-330.161 χ²/NDF: 34.5/34
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 625.471+/-369.115 χ²/NDF:24.3/32
Out: 166.910+/-370.733 χ²/NDF:44.5/36
All: 397.193+/-261.574 χ²/NDF: 69.5/69



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1762.740+/-0.332 χ^2/NDF:368638.0/17

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1735.839+/-0.328 χ^2/NDF:75612.1/16

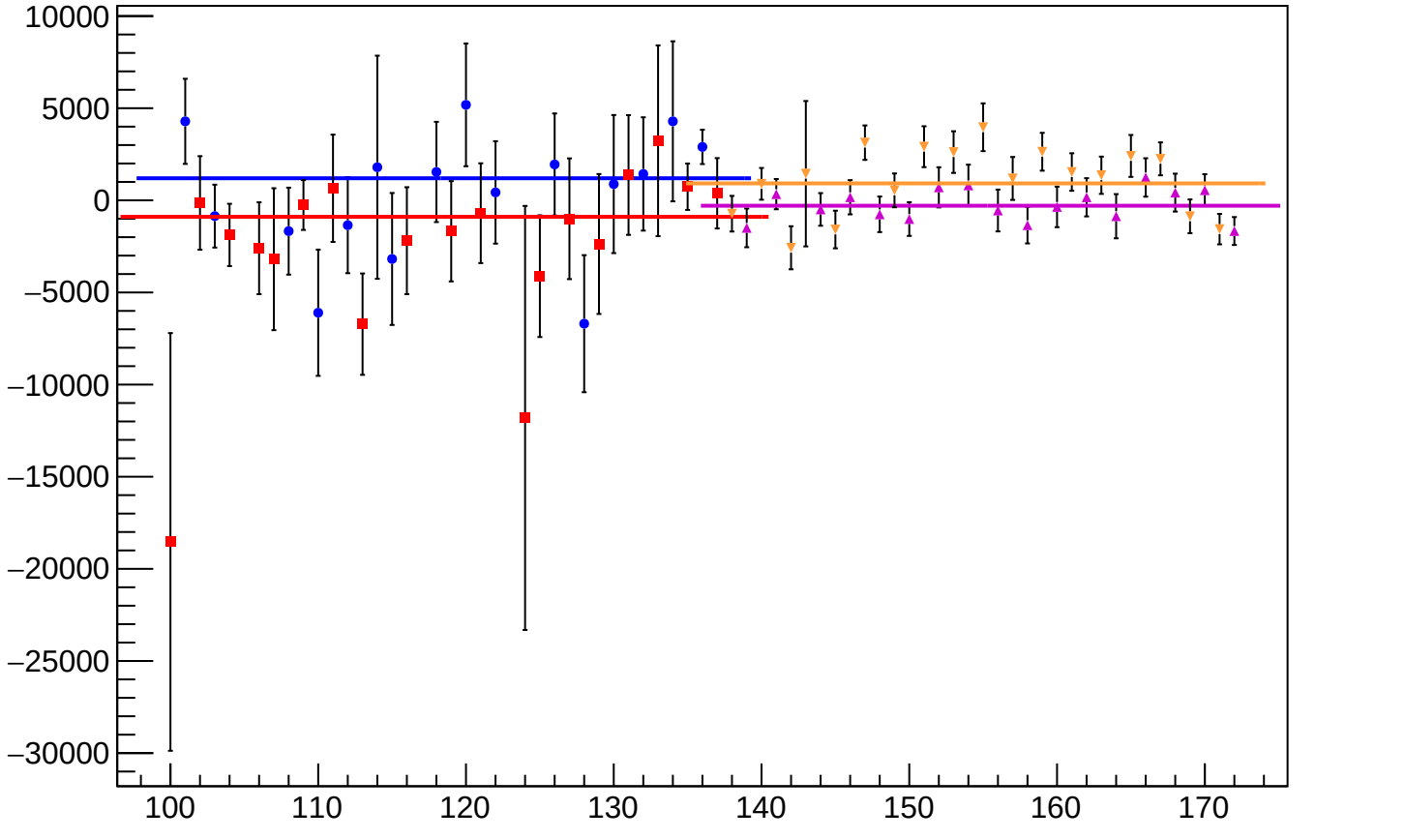
Left: 1749.120+/-0.233 χ^2/NDF: 447568.8/34

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1690.986+/-0.261 χ^2/NDF:531204.8/32

Out: 1702.606+/-0.262 χ^2/NDF:881184.8/36

All: 1696.771+/-0.185 χ^2/NDF: 1413376.3/69



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 920.479+/-242.516 χ^2/NDF:54.8/17

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -293.161+/-236.306 χ^2/NDF:13.3/16

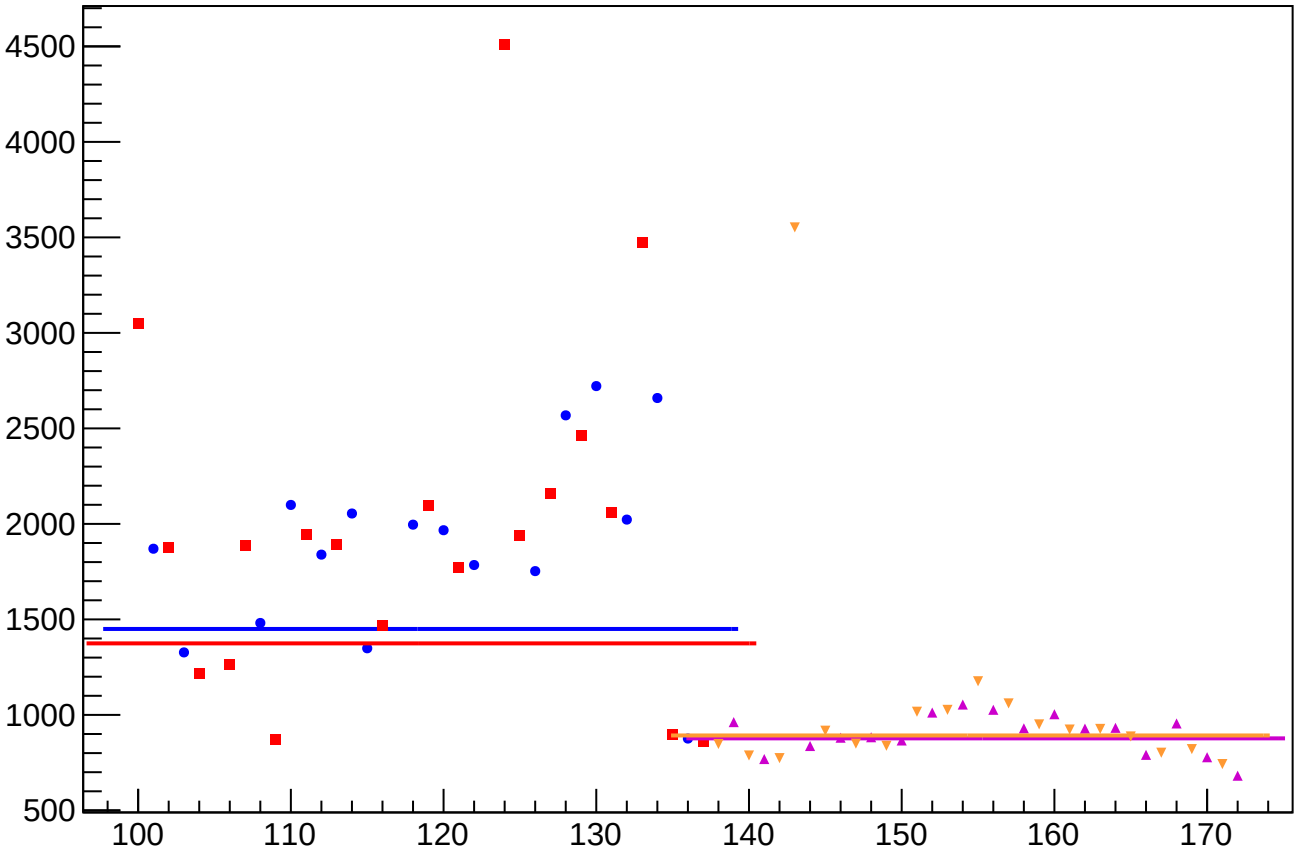
Left: 297.920+/-169.246 χ^2/NDF: 81.0/34

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -79.718+/-218.745 χ^2/NDF:40.7/32

Out: 630.798+/-222.333 χ^2/NDF:78.0/36

All: 269.759+/-155.929 χ^2/NDF: 123.8/69



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 892.340+/-0.171 χ^2/NDF:1275156.5/17

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: 884.533+/-0.120 χ^2/NDF: 1672013.0/34

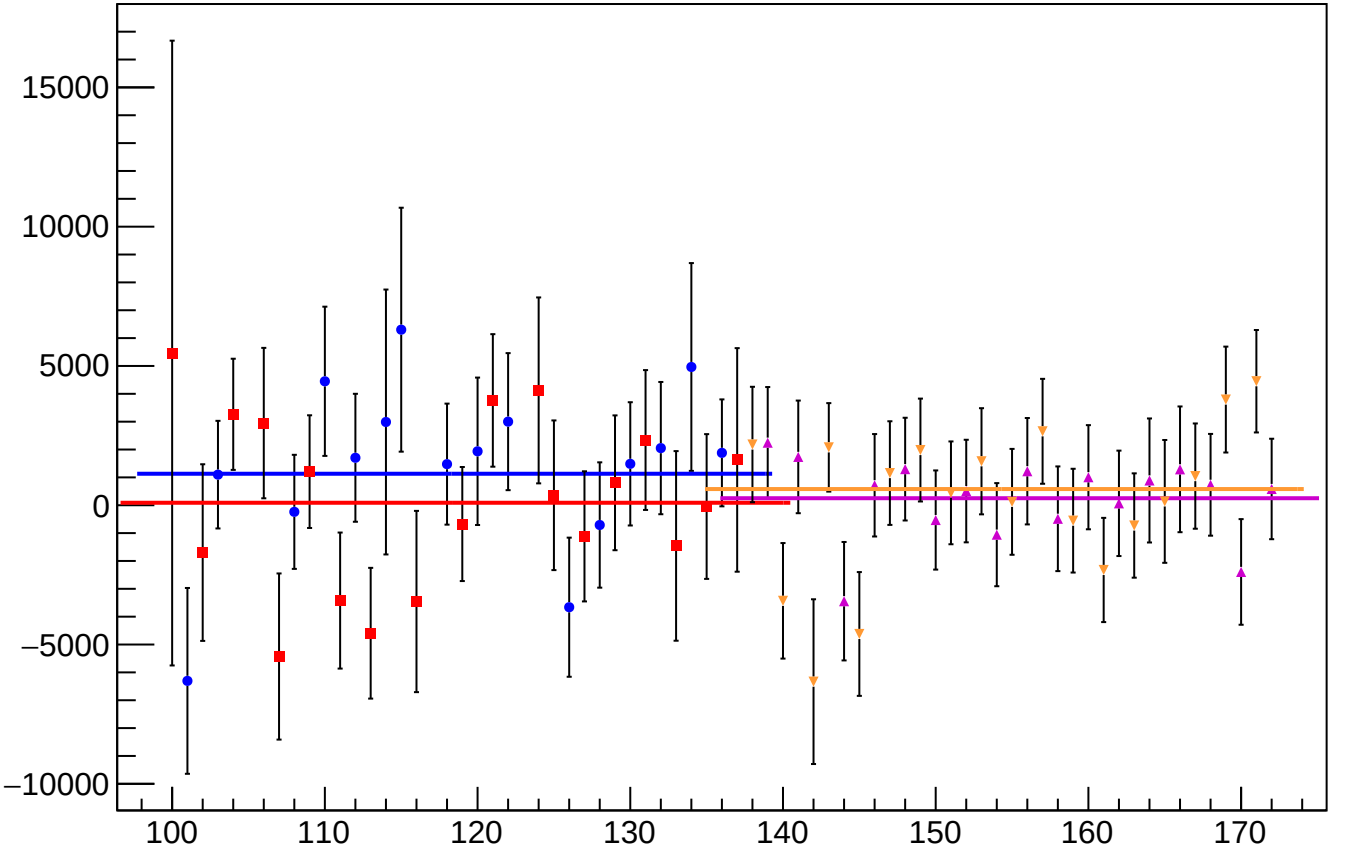
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 959.095+/-0.155 χ^2/NDF:3867283.6/32

Out: 969.245+/-0.157 χ^2/NDF:4663625.0/36

All: 964.087+/-0.110 χ^2/NDF: 8533026.7/69

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 581.217+/-456.108 χ^2/NDF:29.1/17

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: 420.030+/-325.777 χ^2/NDF: 37.9/34

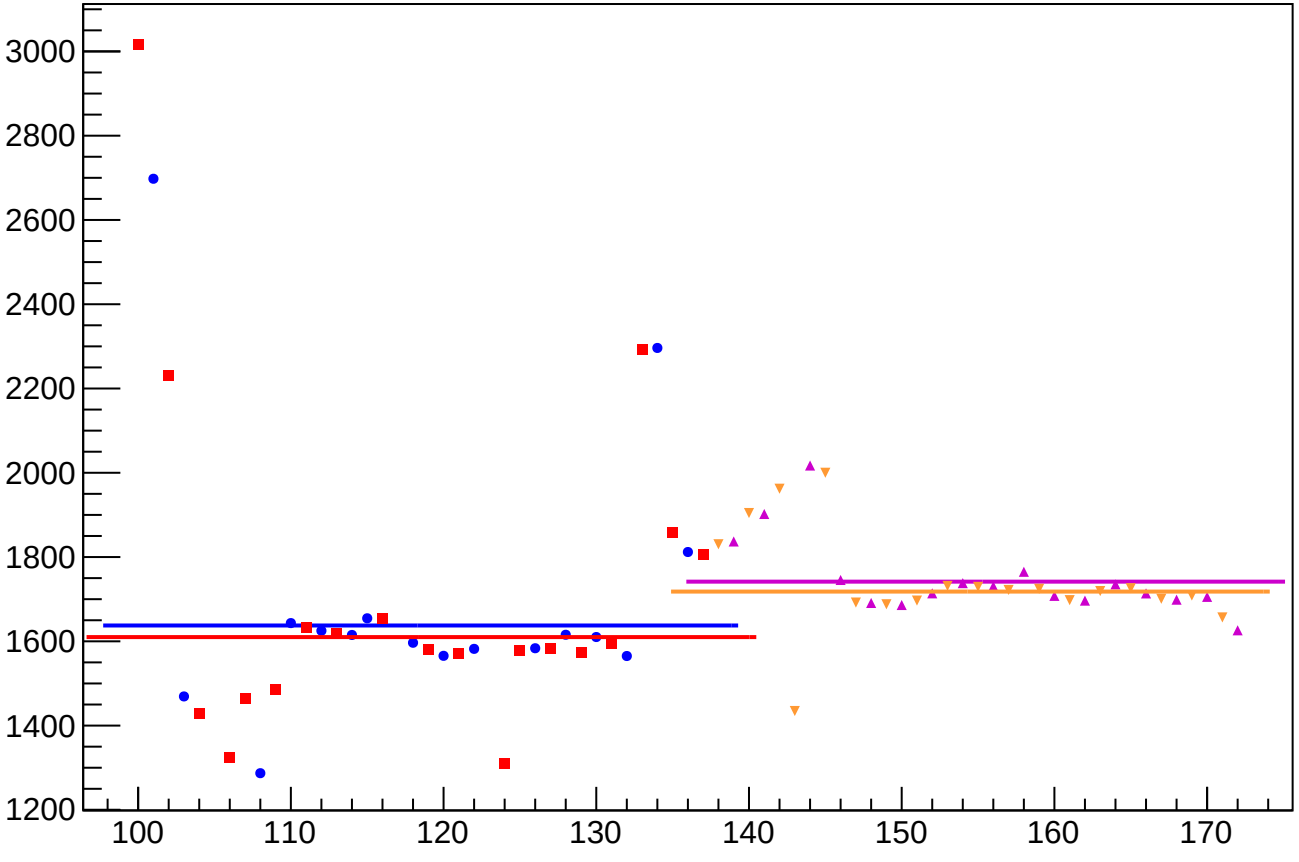
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 570.665+/-371.640 χ^2/NDF:24.9/32

Out: 402.195+/-363.782 χ^2/NDF:50.2/36

All: 484.630+/-259.967 χ^2/NDF: 75.1/69

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1718.049+/-0.323 χ^2/NDF:135707.4/17

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1741.626+/-0.329 χ^2/NDF:67199.1/16

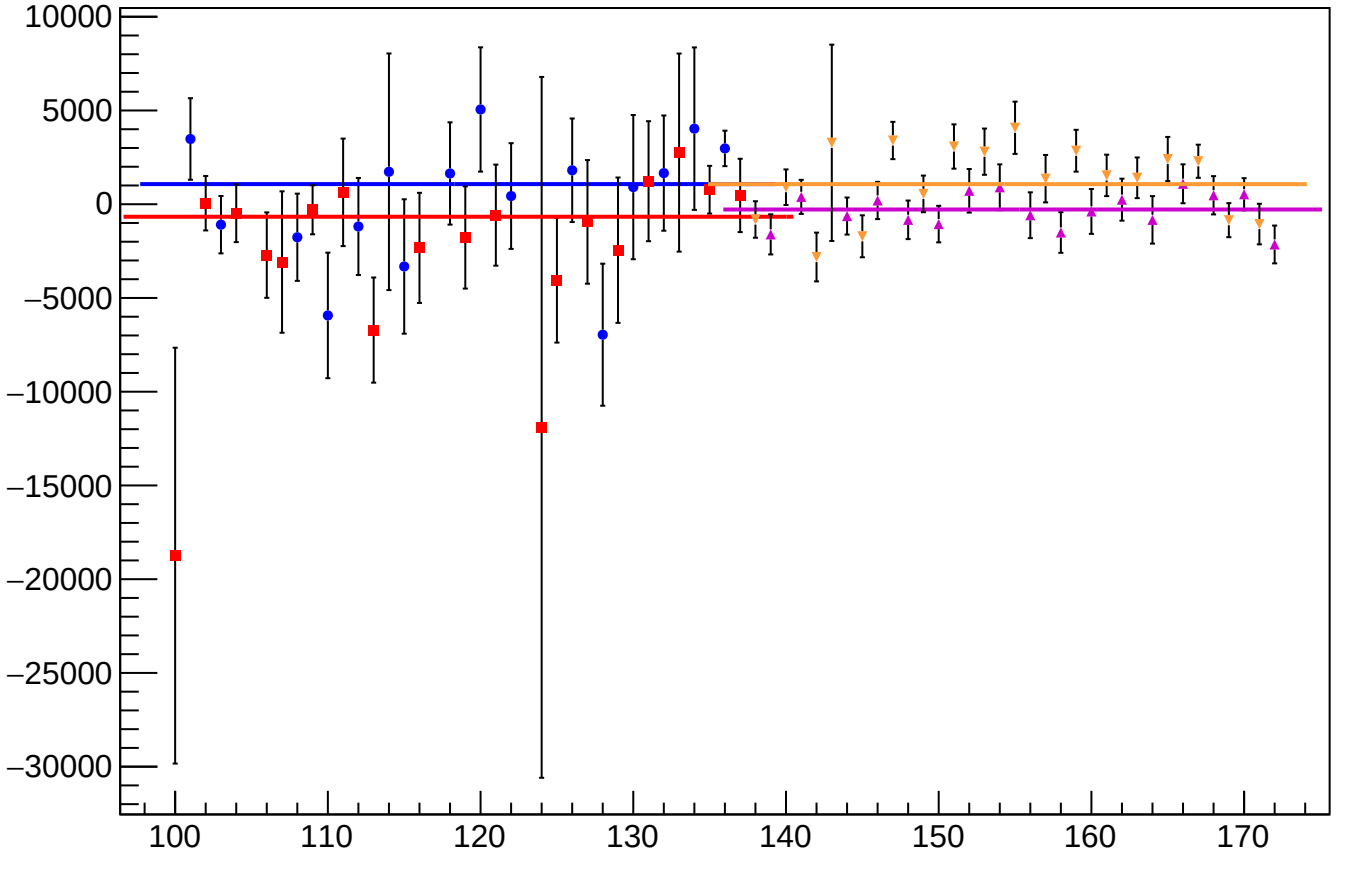
Left: 1729.598+/-0.230 χ^2/NDF: 205524.2/34

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1703.904+/-0.263 χ^2/NDF:464847.8/32

Out: 1678.749+/-0.257 χ^2/NDF:457327.0/36

All: 1691.058+/-0.184 χ^2/NDF: 926854.1/69



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 1070.600+/-260.780 χ^2/NDF:48.8/17

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -281.505+/-254.844 χ^2/NDF:13.4/16

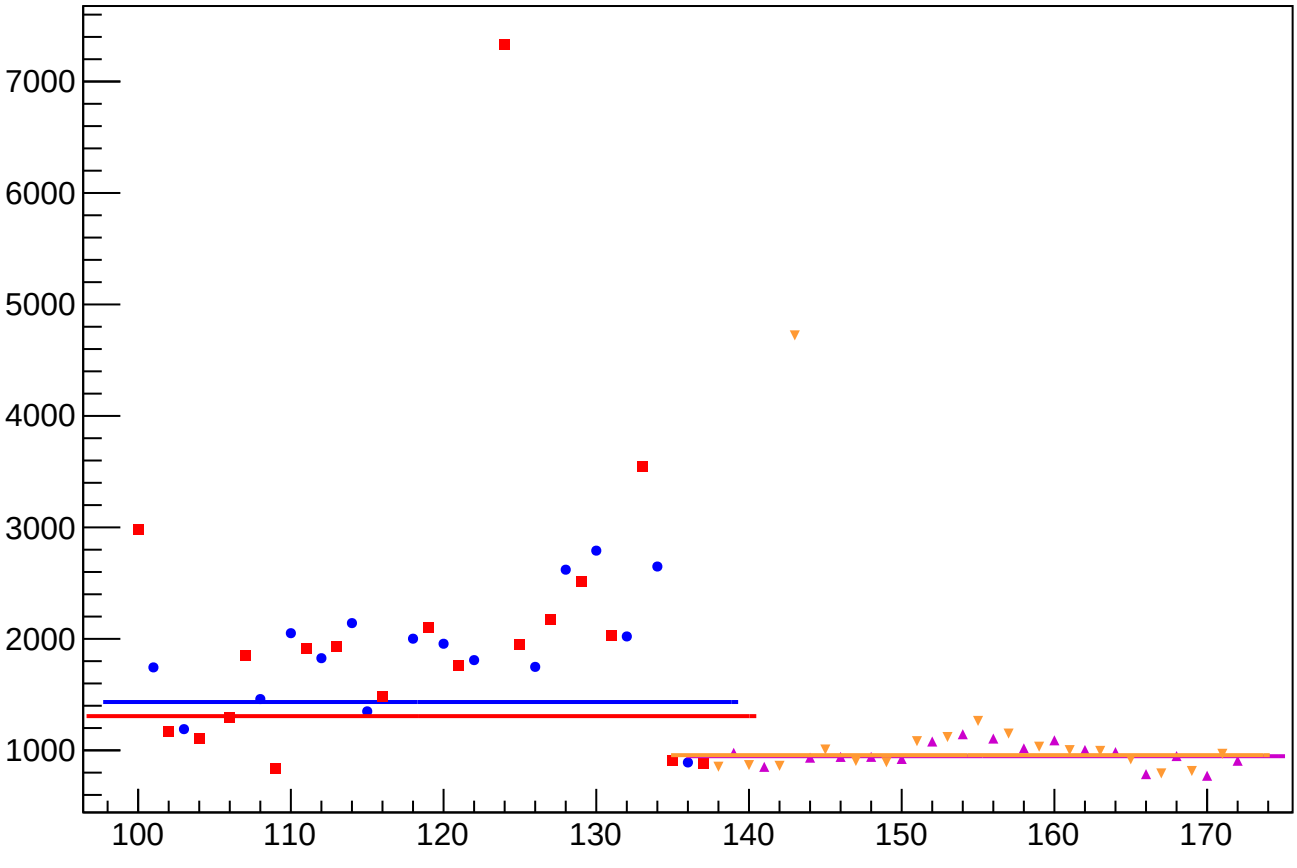
Left: 378.984+/-182.264 χ^2/NDF: 75.9/34

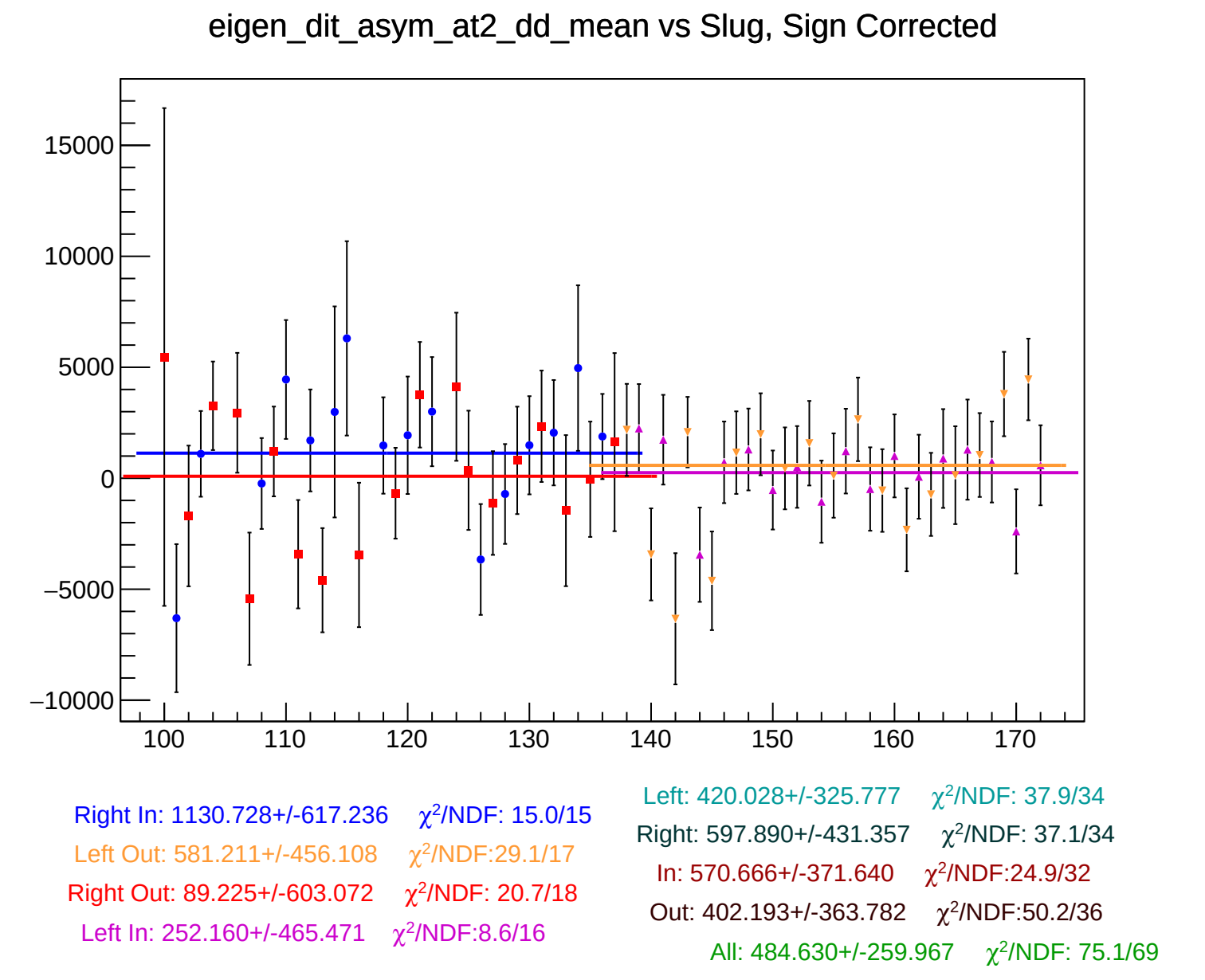
Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

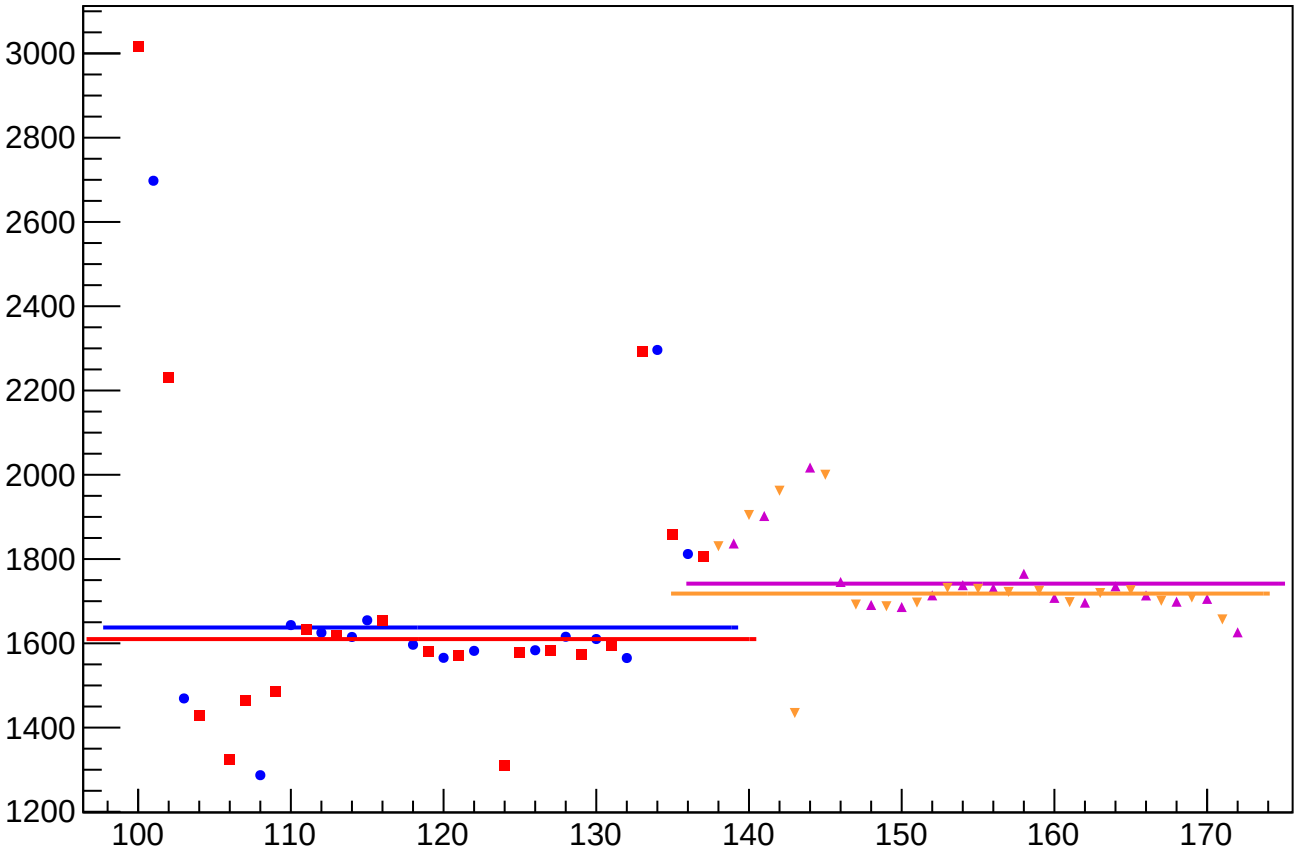
In: -56.813+/-232.759 χ^2/NDF:40.1/32

Out: 724.961+/-233.420 χ^2/NDF:71.2/36

All: 332.966+/-164.819 χ^2/NDF: 116.9/69


asym_at2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 1433.477+/-0.404 χ²/NDF: 1763491.8/15
Left Out: 956.694+/-0.184 χ²/NDF:1440639.2/17
Right Out: 1306.866+/-0.370 χ²/NDF: 2183906.3/18
Left In: 947.316+/-0.180 χ²/NDF:314833.8/16
Left: 951.897+/-0.129 χ²/NDF: 1756796.0/34
Right: 1364.618+/-0.273 χ²/NDF: 4000764.0/34
In: 1027.927+/-0.165 χ²/NDF:3285183.8/32
Out: 1026.318+/-0.165 χ²/NDF:4341553.9/36
All: 1027.125+/-0.117 χ²/NDF: 7626785.4/69


eigen_dit_asym_at2_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 1130.728+/-617.236 χ²/NDF: 15.0/15
Left Out: 581.211+/-456.108 χ²/NDF:29.1/17
Right Out: 89.225+/-603.072 χ²/NDF: 20.7/18
Left In: 252.160+/-465.471 χ²/NDF:8.6/16
Left: 420.028+/-325.777 χ²/NDF: 37.9/34
Right: 597.890+/-431.357 χ²/NDF: 37.1/34
In: 570.666+/-371.640 χ²/NDF:24.9/32
Out: 402.193+/-363.782 χ²/NDF:50.2/36
All: 484.630+/-259.967 χ²/NDF: 75.1/69



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1718.049+/-0.323 χ^2/NDF:135706.6/17

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: 1729.598+/-0.230 χ^2/NDF: 205523.8/34

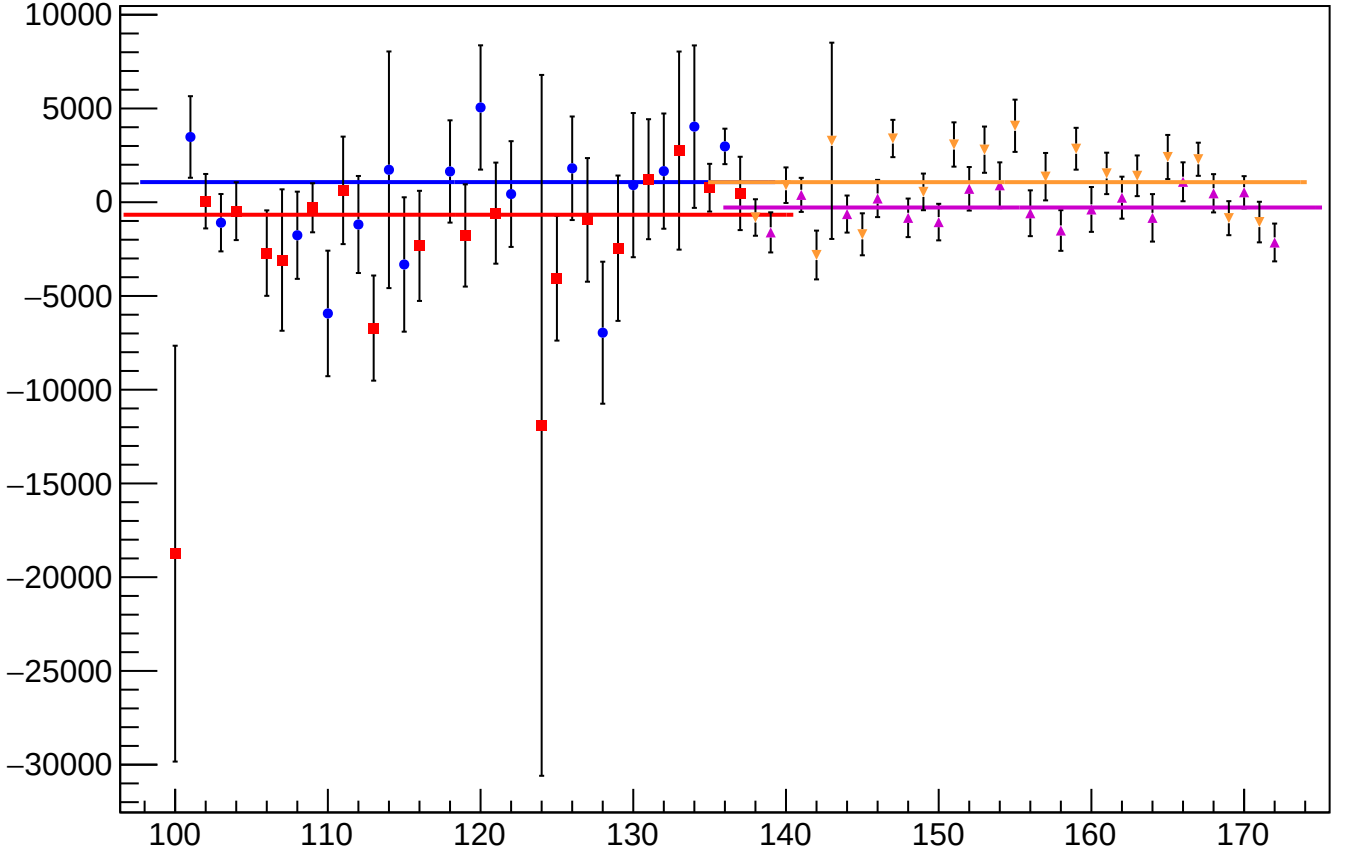
Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1703.904+/-0.263 χ^2/NDF:464848.0/32

Out: 1678.749+/-0.257 χ^2/NDF:457326.5/36

All: 1691.058+/-0.184 χ^2/NDF: 926853.7/69

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: 1070.606+/-260.780 χ^2/NDF:48.8/17

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -281.503+/-254.844 χ^2/NDF:13.4/16

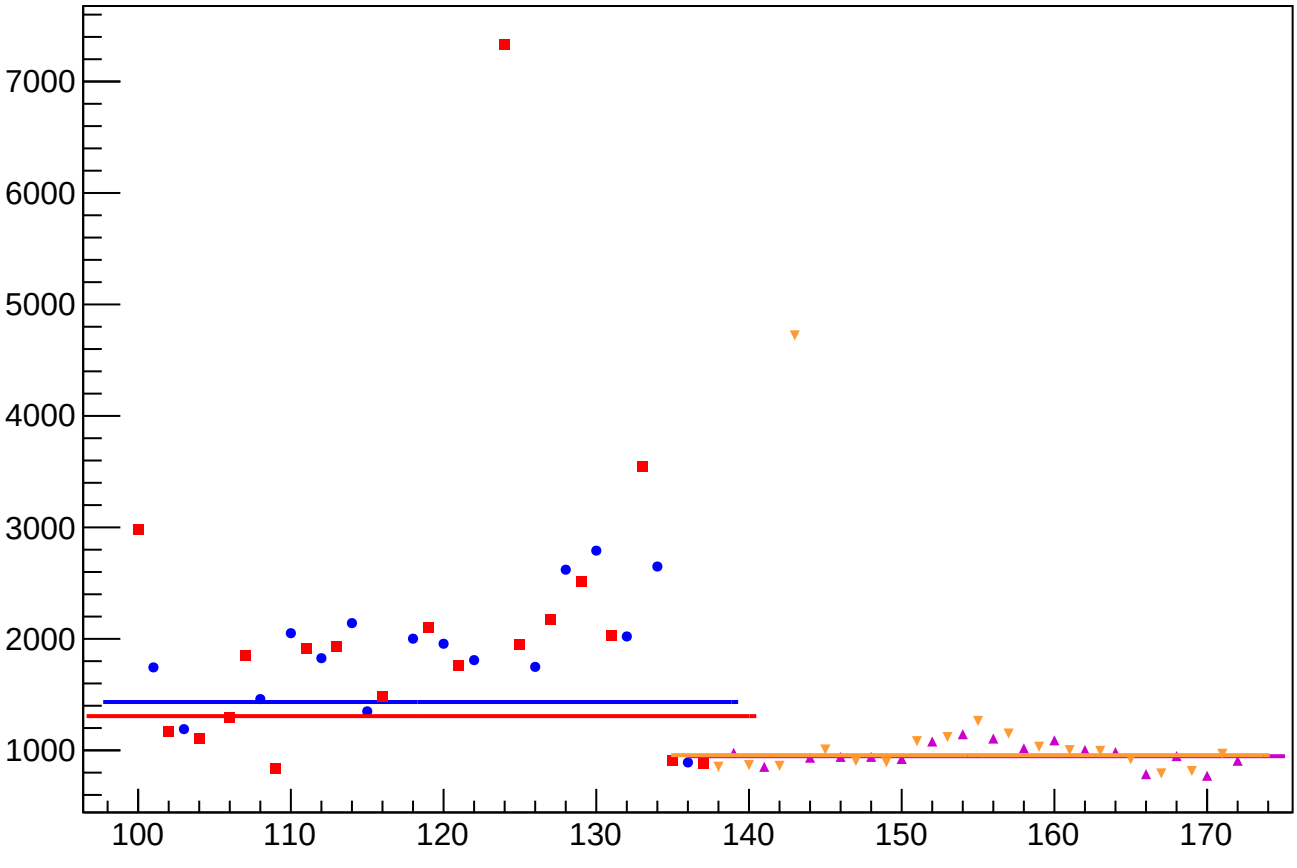
Left: 378.987+/-182.265 χ^2/NDF: 75.9/34

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

In: -56.815+/-232.759 χ^2/NDF:40.1/32

Out: 724.967+/-233.420 χ^2/NDF:71.2/36

All: 332.967+/-164.819 χ^2/NDF: 116.9/69



Right In: 1433.492+/-0.404 χ^2/NDF: 1763397.4/15

Left Out: 956.695+/-0.184 χ^2/NDF:1440623.4/17

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: 951.897+/-0.129 χ^2/NDF: 1756785.2/34

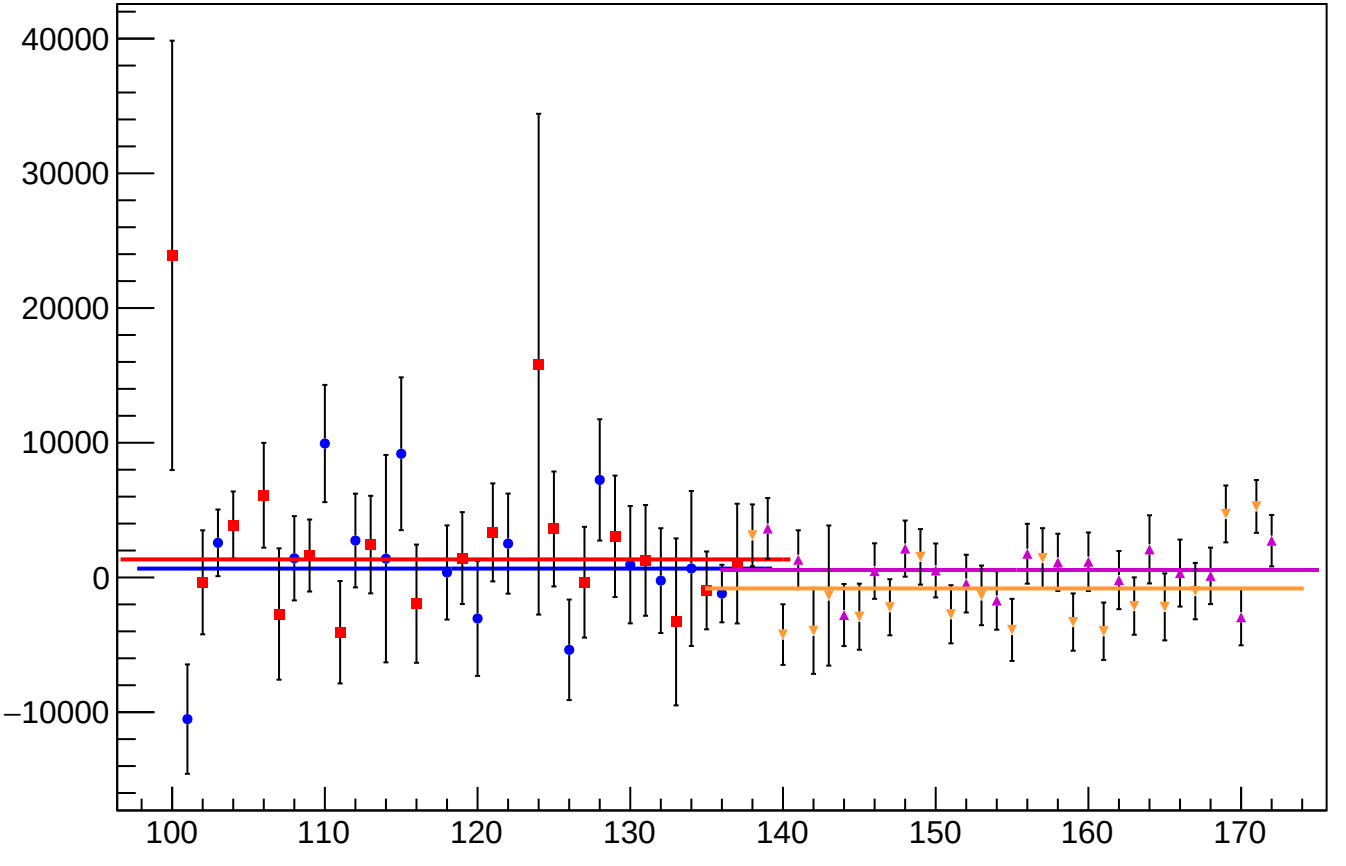
Right: 1364.632+/-0.273 χ^2/NDF: 4000599.5/34

In: 1027.928+/-0.165 χ^2/NDF:3285160.4/32

Out: 1026.321+/-0.165 χ^2/NDF:4341506.9/36

All: 1027.127+/-0.117 χ^2/NDF: 7626714.8/69

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -815.721+/-534.529 χ^2/NDF:33.2/17

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: -116.446+/-374.215 χ^2/NDF: 47.6/34

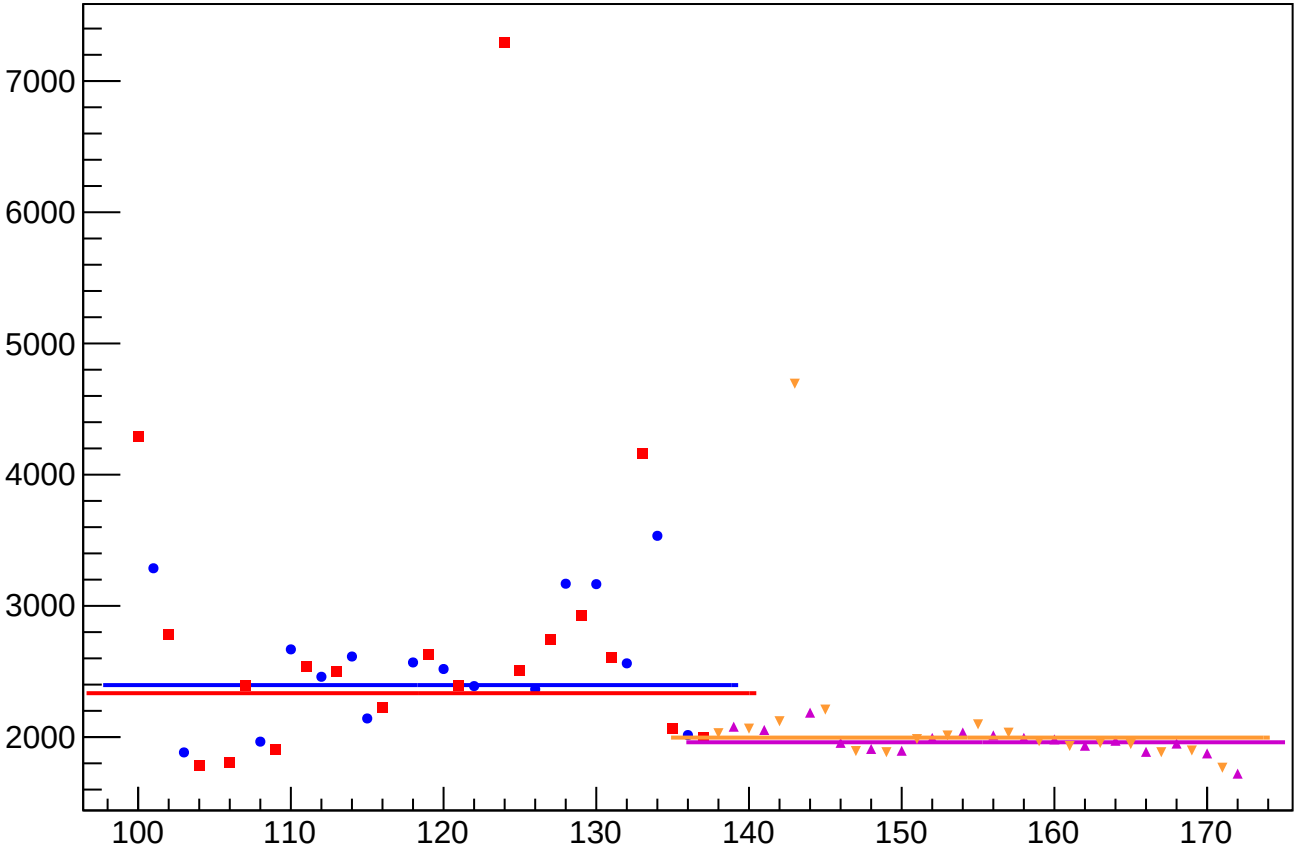
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 581.577+/-454.087 χ^2/NDF:33.1/32

Out: -244.271+/-458.313 χ^2/NDF:48.3/36

All: 172.478+/-322.572 χ^2/NDF: 83.0/69

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 1996.148+/-0.378 χ^2/NDF:614664.0/17

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 1960.504+/-0.371 χ^2/NDF:73091.9/16

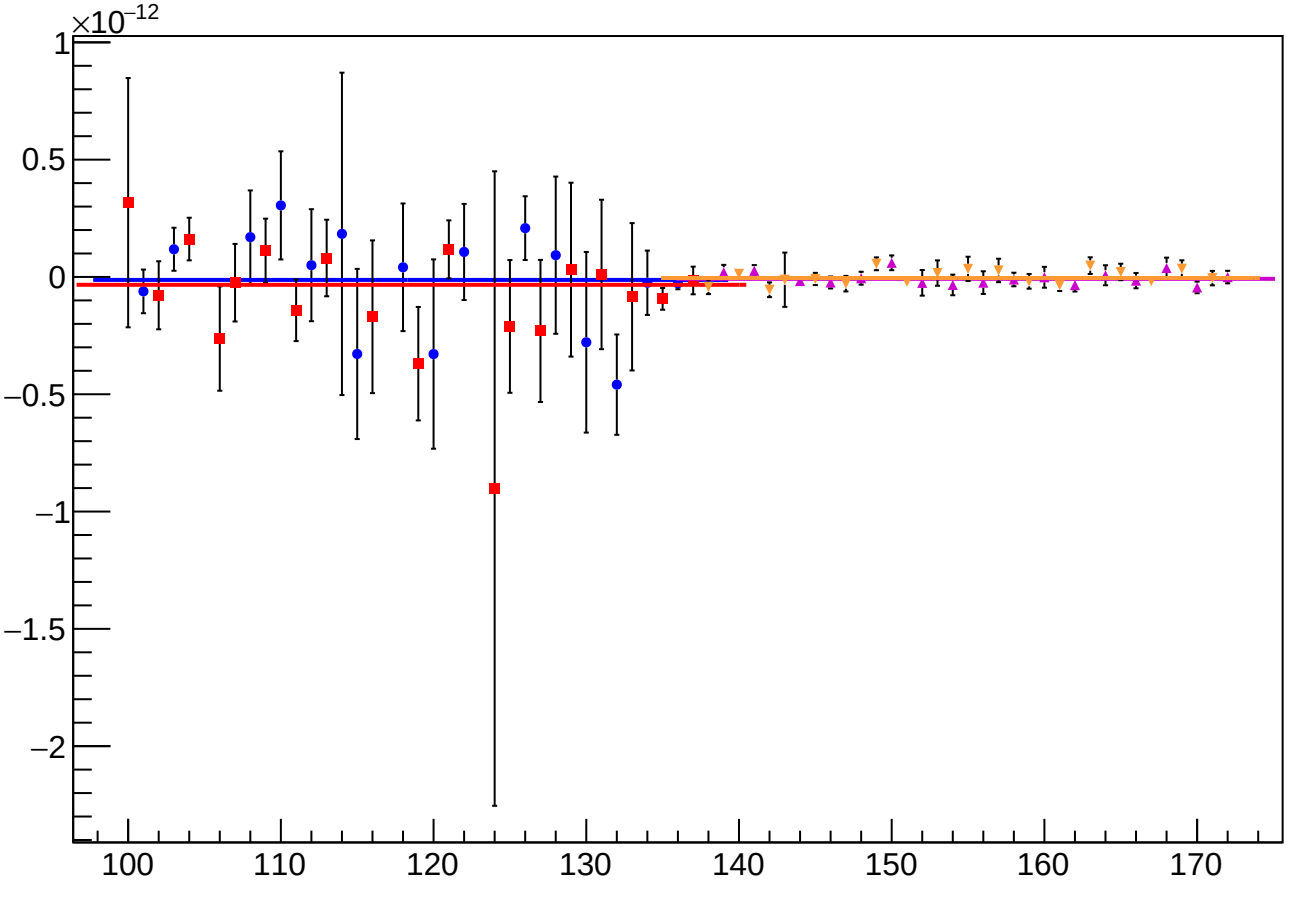
Left: 1977.974+/-0.265 χ^2/NDF: 692290.4/34

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2069.113+/-0.321 χ^2/NDF:925642.0/32

Out: 2085.782+/-0.324 χ^2/NDF:1508581.7/36

All: 2077.370+/-0.228 χ^2/NDF: 2435558.8/69



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/17

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.3/16

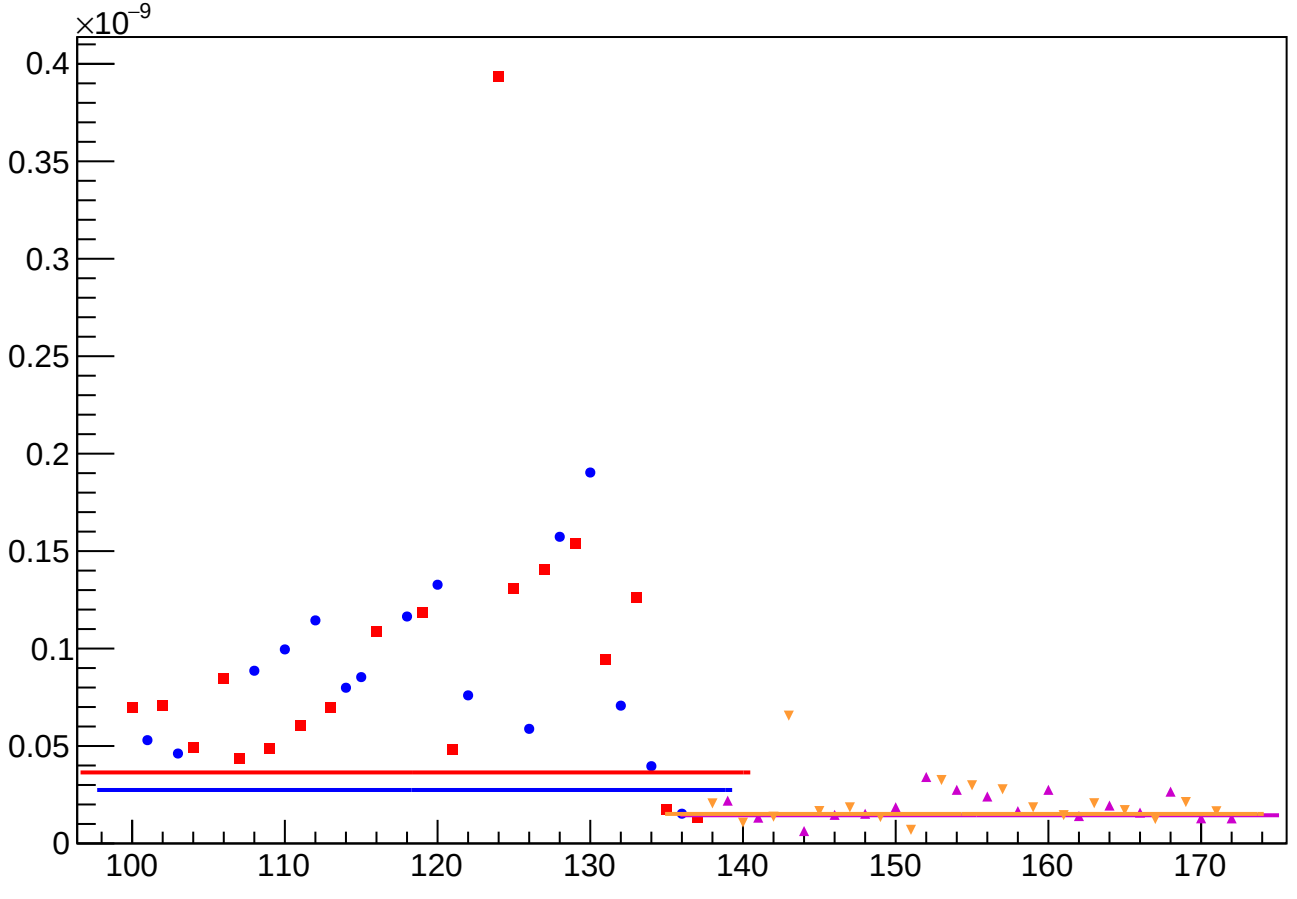
Left: -0.000+/-0.000 χ^2/NDF: 31.7/34

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:34.5/36

All: -0.000+/-0.000 χ^2/NDF: 62.7/69



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1642585.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1737097.6/16

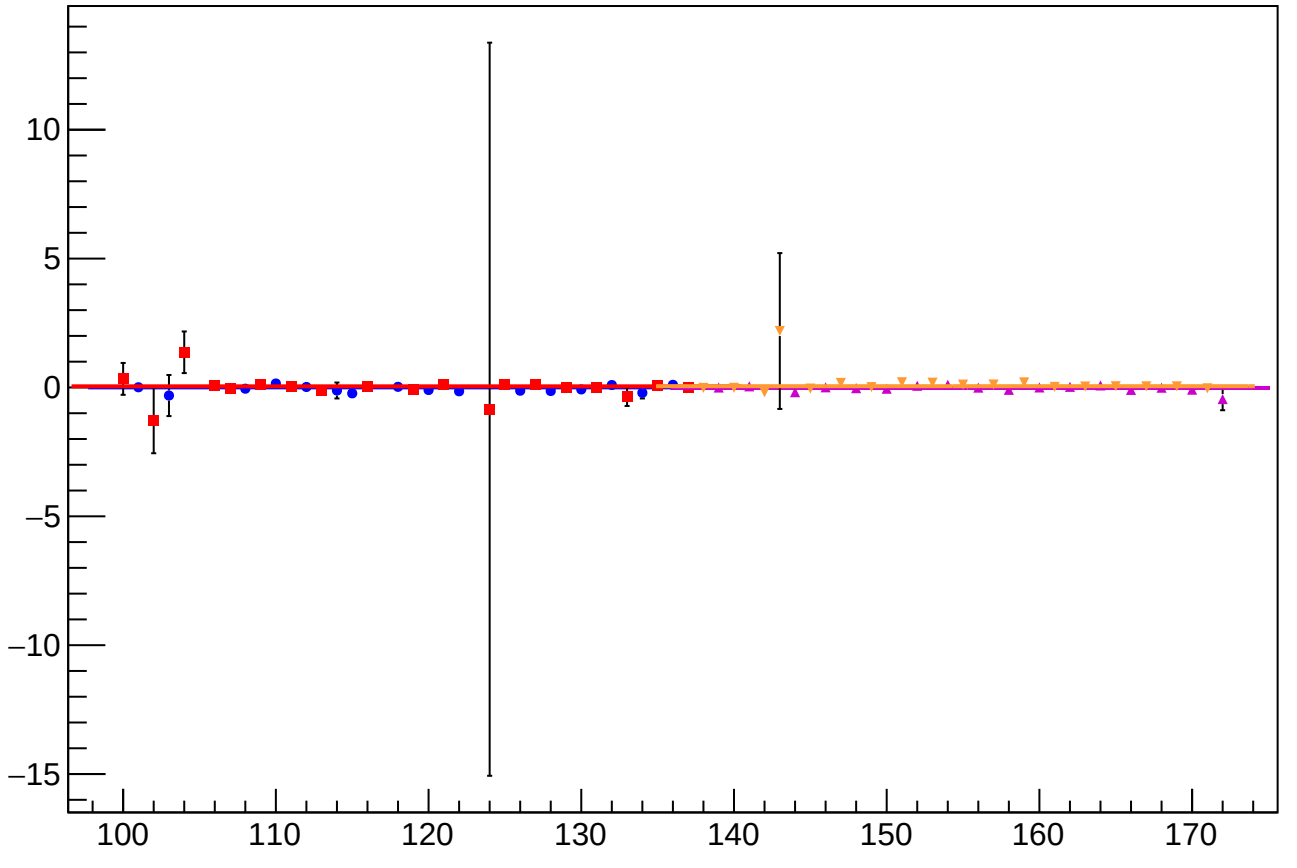
Left: 0.000+/-0.000 χ^2/NDF: 3389587.8/34

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:5175089.9/36

All: 0.000+/-0.000 χ^2/NDF: 10277061.0/69



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:19.8/17

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:12.7/16

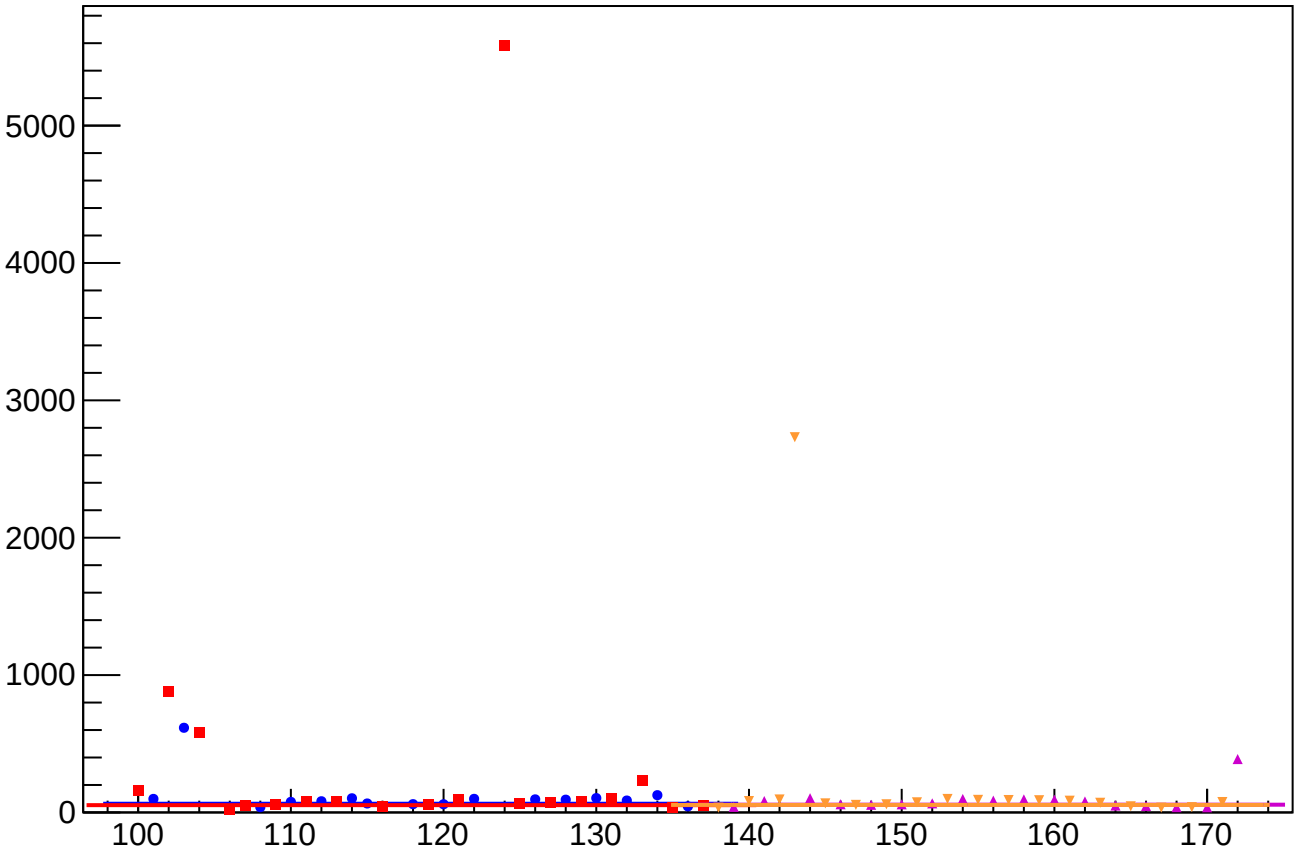
Left: 0.015+/-0.012 χ^2/NDF: 40.7/34

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:32.5/36

All: 0.018+/-0.010 χ^2/NDF: 68.1/69



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 54.847+/-0.012 χ^2/NDF:4547365.6/17

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: 55.669+/-0.009 χ^2/NDF: 8392490.5/34

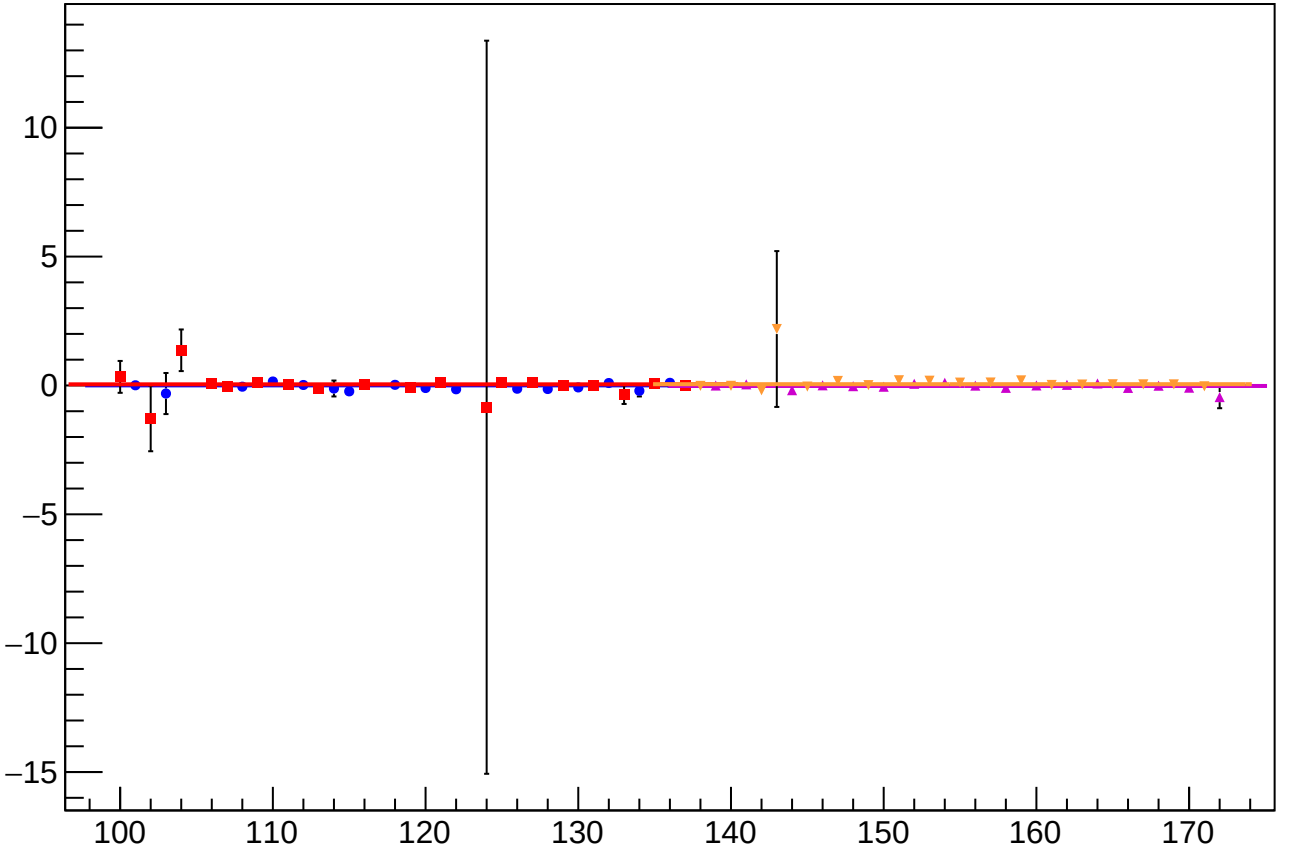
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 58.481+/-0.010 χ^2/NDF:6374478.5/32

Out: 54.320+/-0.010 χ^2/NDF:8499071.9/36

All: 56.335+/-0.007 χ^2/NDF: 14958183.0/69

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:19.8/17

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:12.7/16

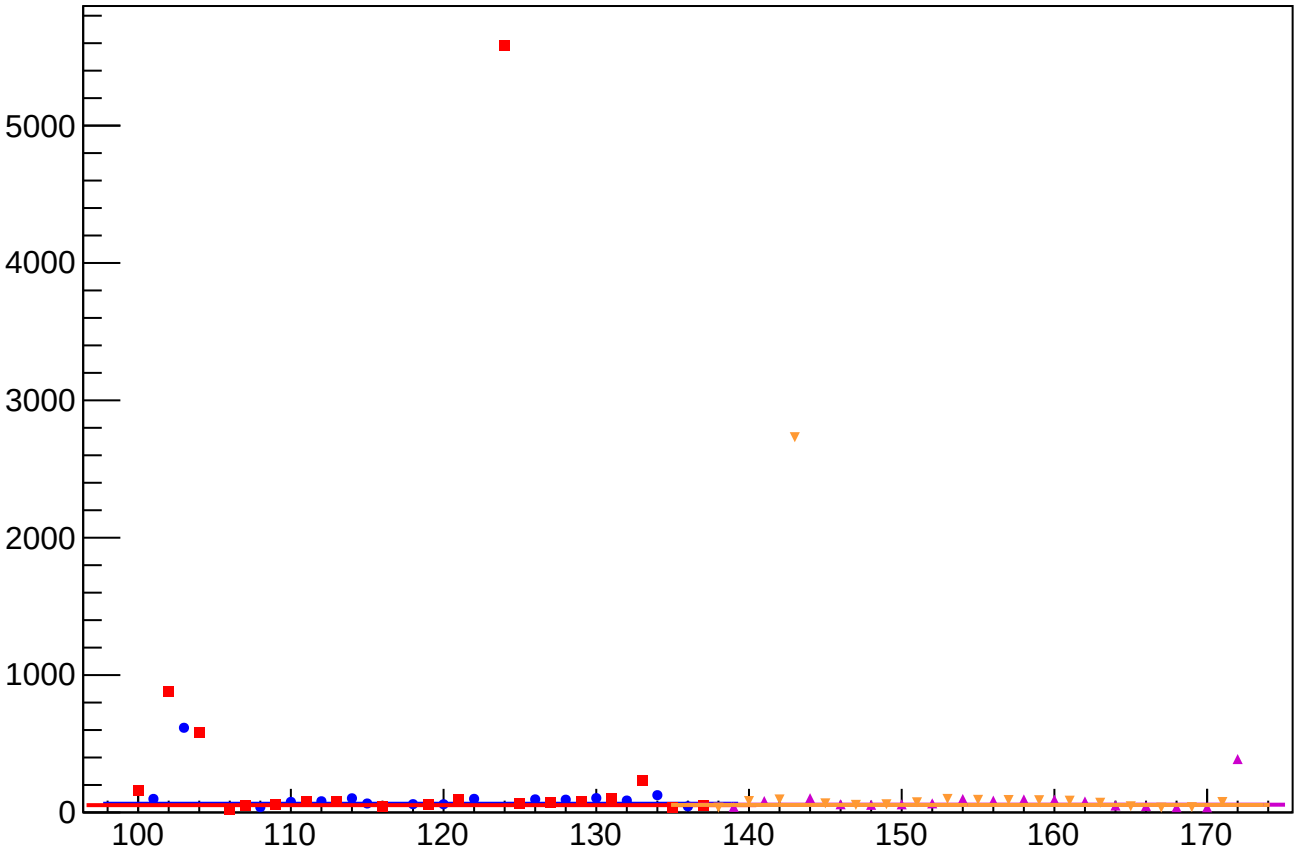
Left: 0.015+/-0.012 χ^2/NDF: 40.7/34

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:32.5/36

All: 0.018+/-0.010 χ^2/NDF: 68.1/69



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 54.847+/-0.012 χ^2/NDF:4547365.6/17

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 56.500+/-0.012 χ^2/NDF:3835817.3/16

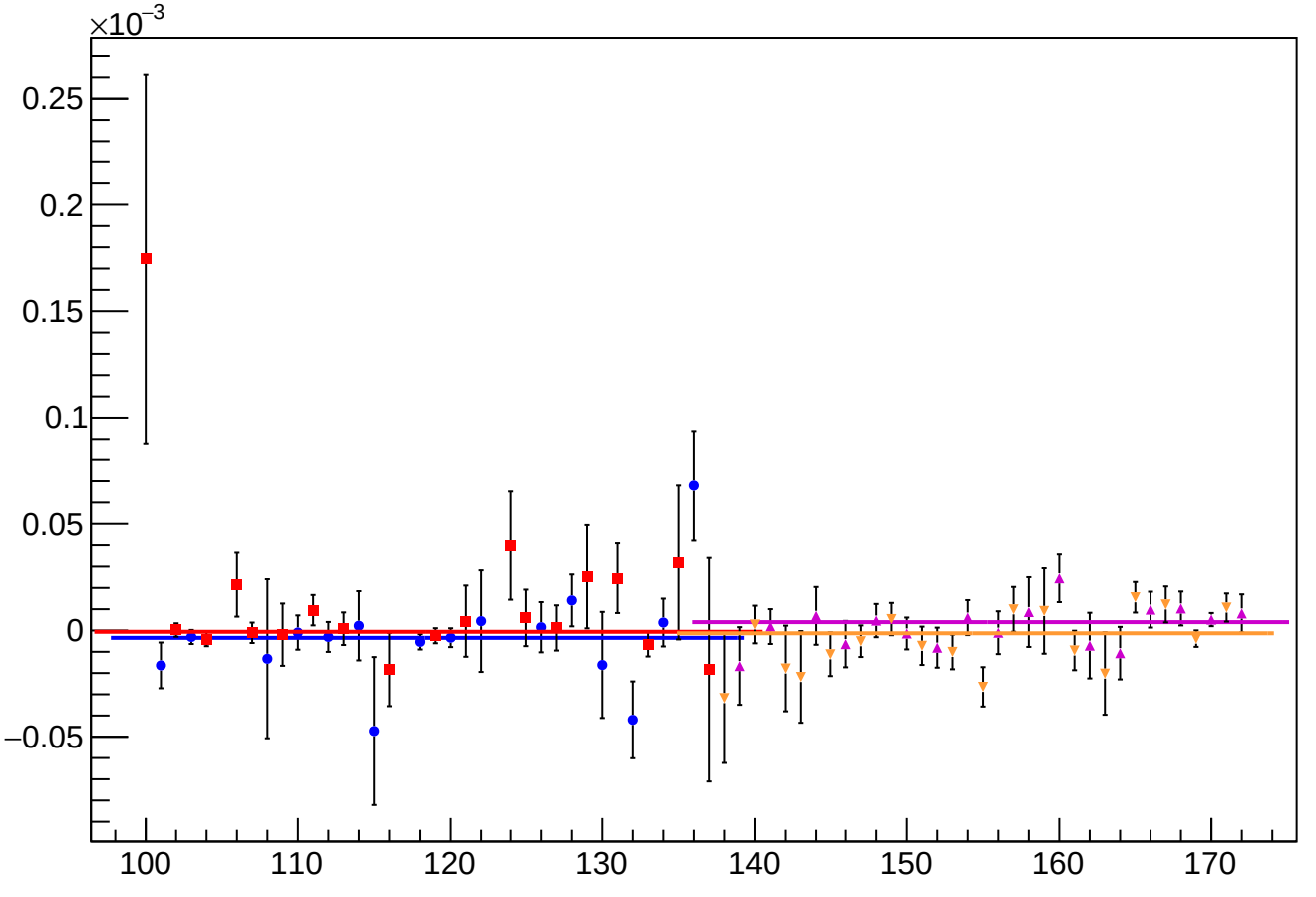
Left: 55.669+/-0.009 χ^2/NDF: 8392490.5/34

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 58.481+/-0.010 χ^2/NDF:6374478.5/32

Out: 54.320+/-0.010 χ^2/NDF:8499071.9/36

All: 56.335+/-0.007 χ^2/NDF: 14958183.0/69



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.7/17

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

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

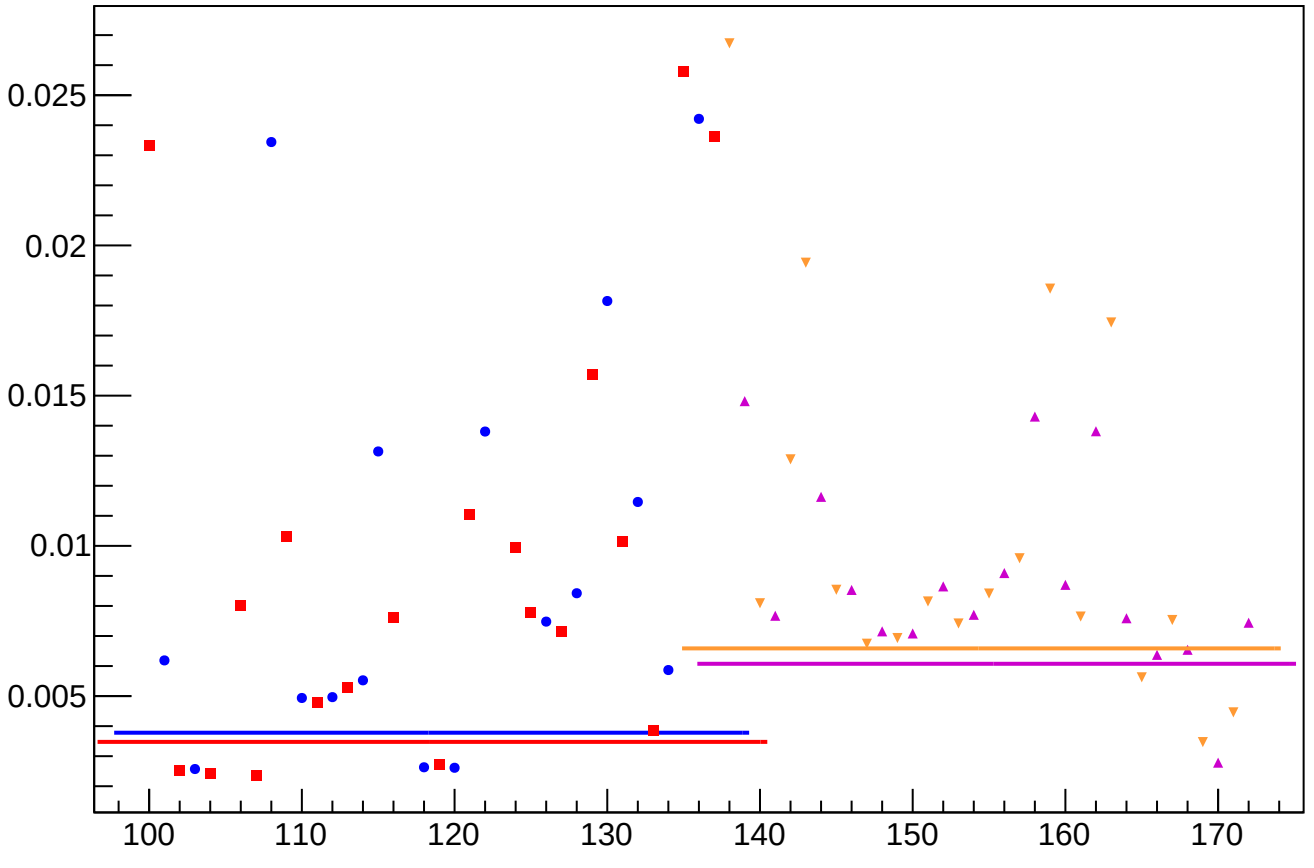
Left: 0.000+/-0.000 χ^2/NDF: 43.9/34

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:47.9/36

All: -0.000+/-0.000 χ^2/NDF: 86.4/69



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.007+/-0.000 χ^2/NDF:5161598.6/17

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: 10139274.1/34

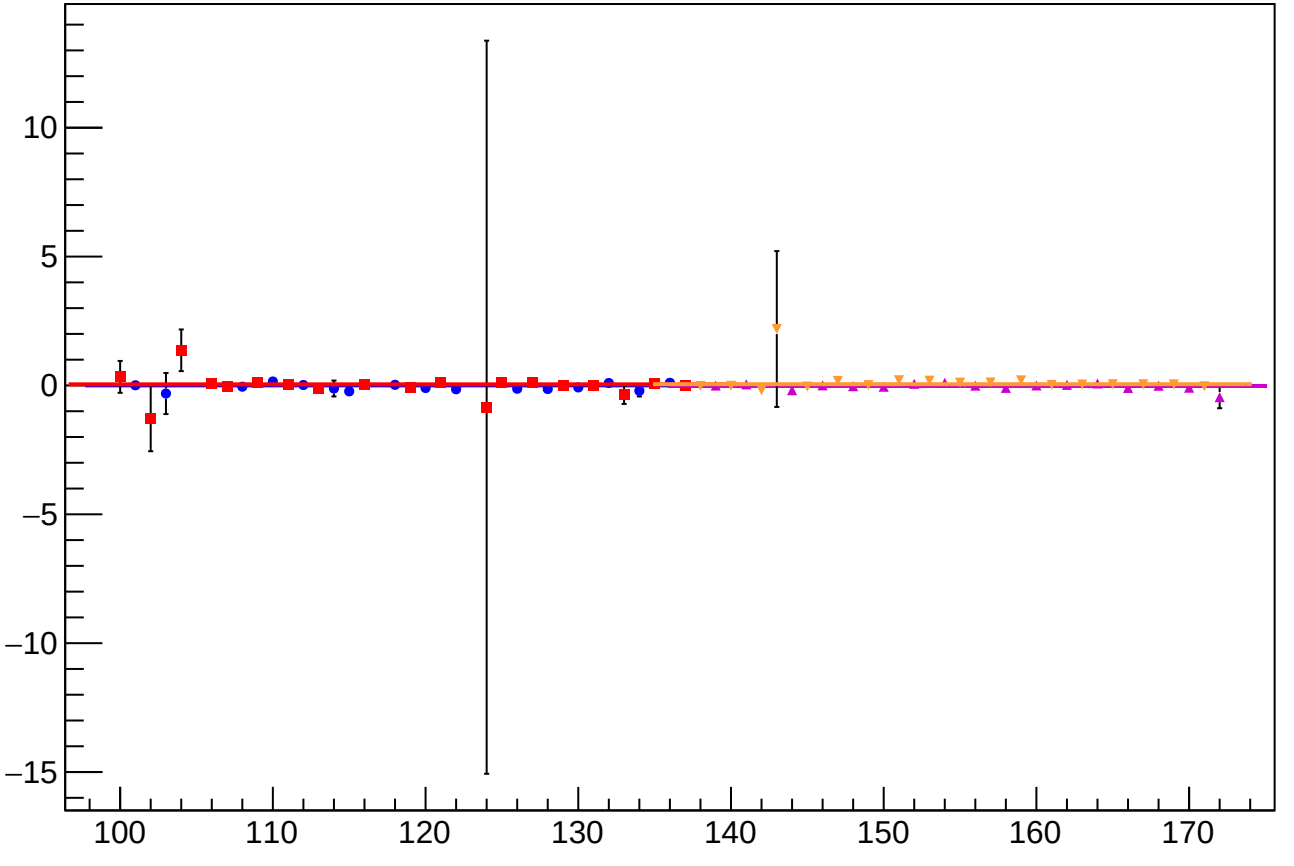
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.005+/-0.000 χ^2/NDF:11126354.7/32

Out: 0.005+/-0.000 χ^2/NDF:12697370.9/36

All: 0.005+/-0.000 χ^2/NDF: 23855695.5/69

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:19.8/17

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: 40.7/34

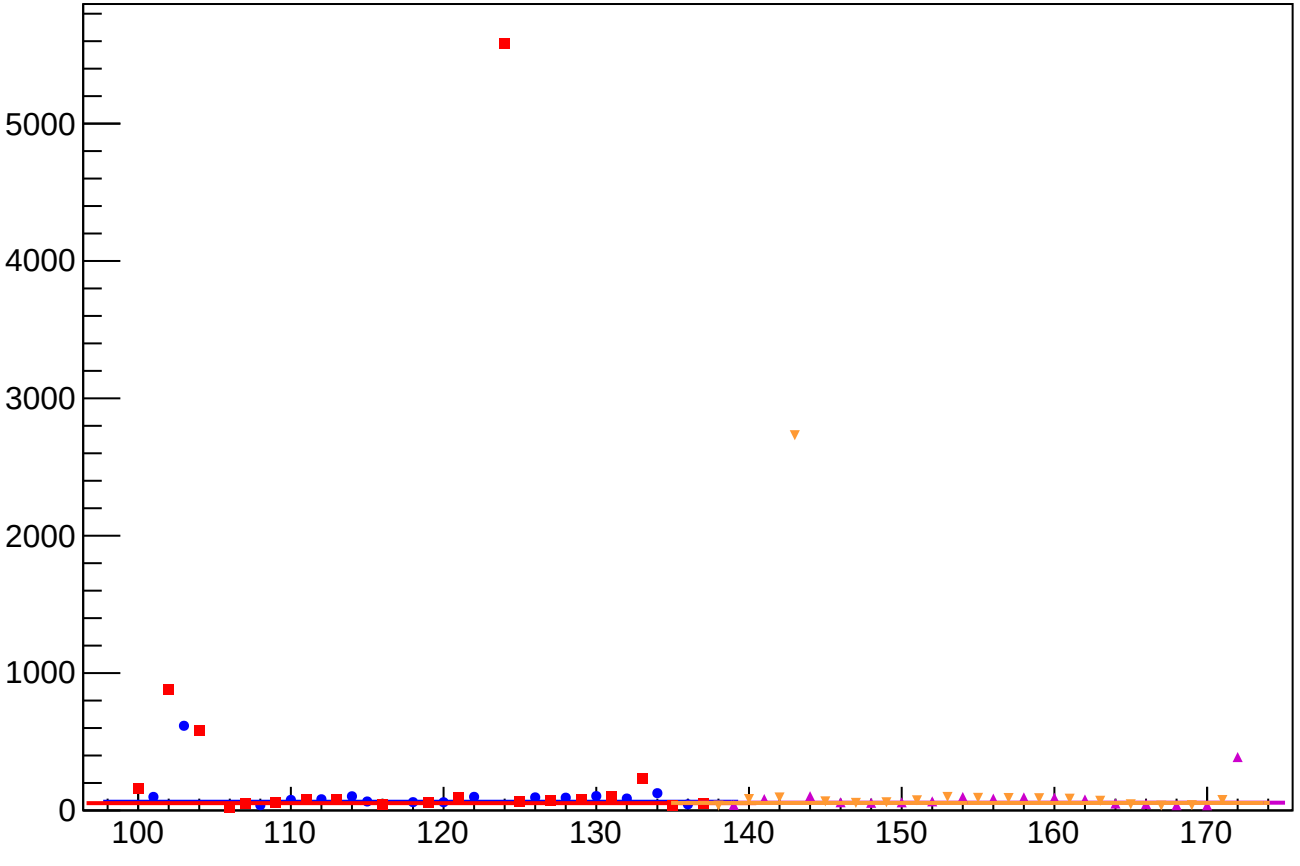
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:26.6/32

Out: 0.047+/-0.014 χ^2/NDF:32.5/36

All: 0.018+/-0.010 χ^2/NDF: 68.1/69

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: 54.846+/-0.012 χ^2/NDF:4547082.9/17

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: 55.669+/-0.009 χ^2/NDF: 8391805.0/34

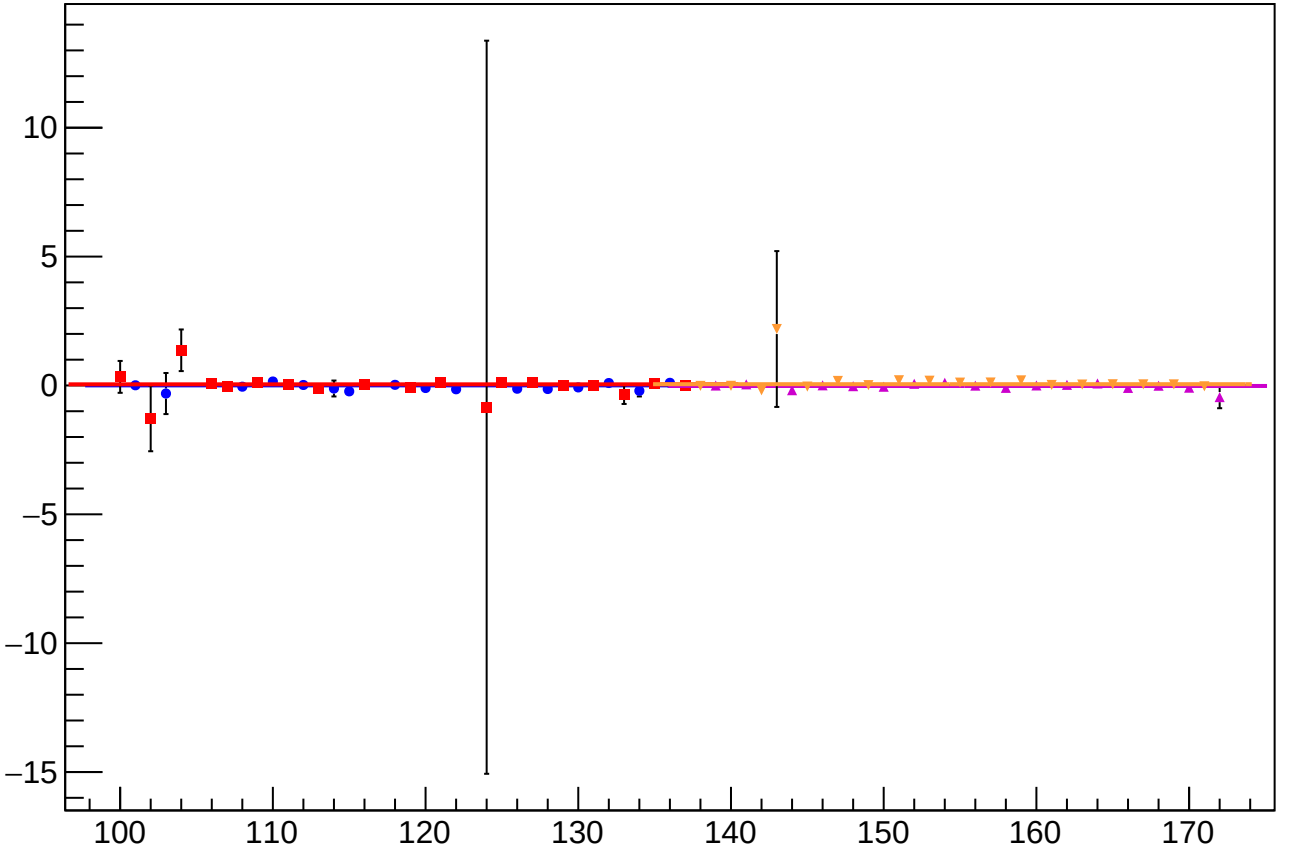
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 58.485+/-0.010 χ^2/NDF:6373304.0/32

Out: 54.318+/-0.010 χ^2/NDF:8499368.1/36

All: 56.335+/-0.007 χ^2/NDF: 14957562.6/69

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:19.8/17

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: 40.7/34

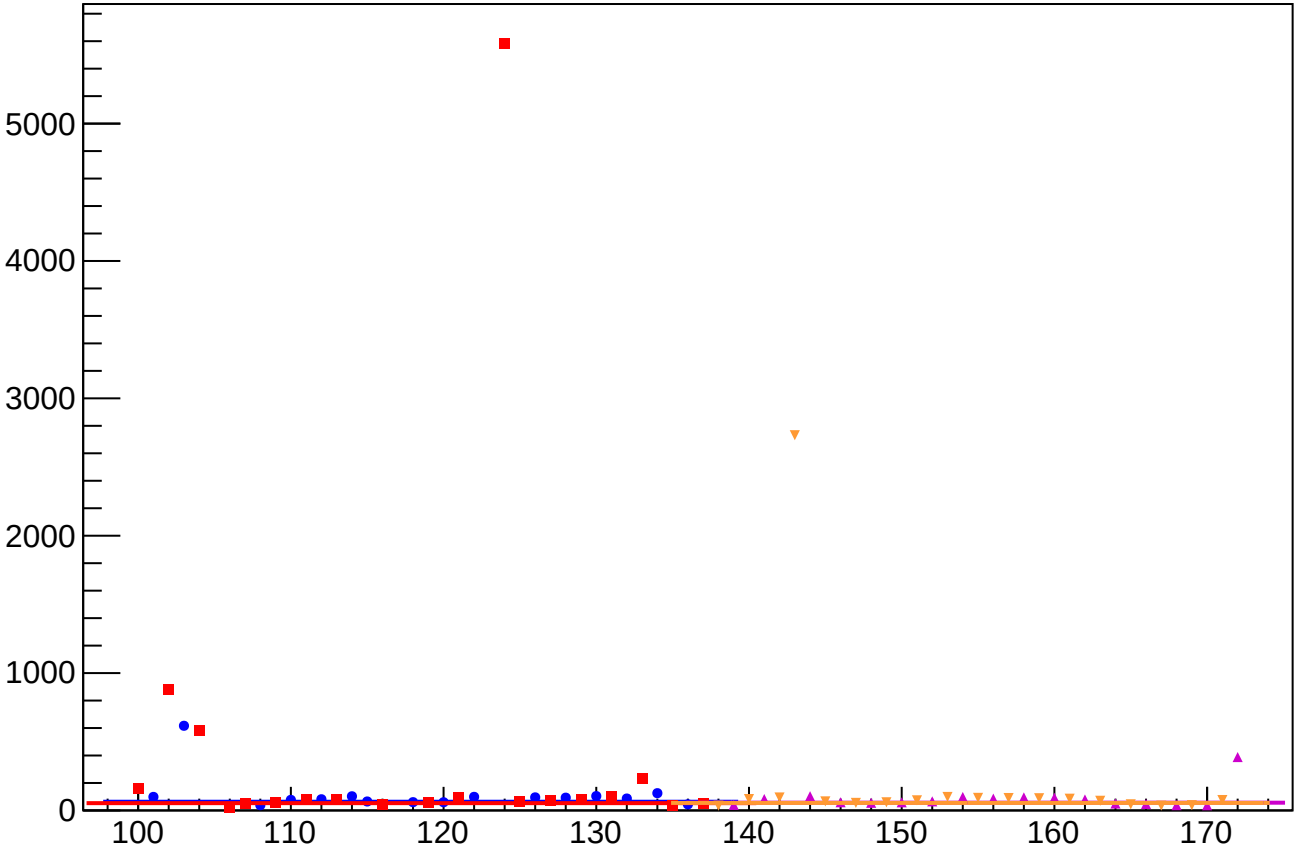
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:26.6/32

Out: 0.047+/-0.014 χ^2/NDF:32.5/36

All: 0.018+/-0.010 χ^2/NDF: 68.1/69

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: 54.846+/-0.012 χ^2/NDF:4547082.9/17

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 56.502+/-0.012 χ^2/NDF:3835376.7/16

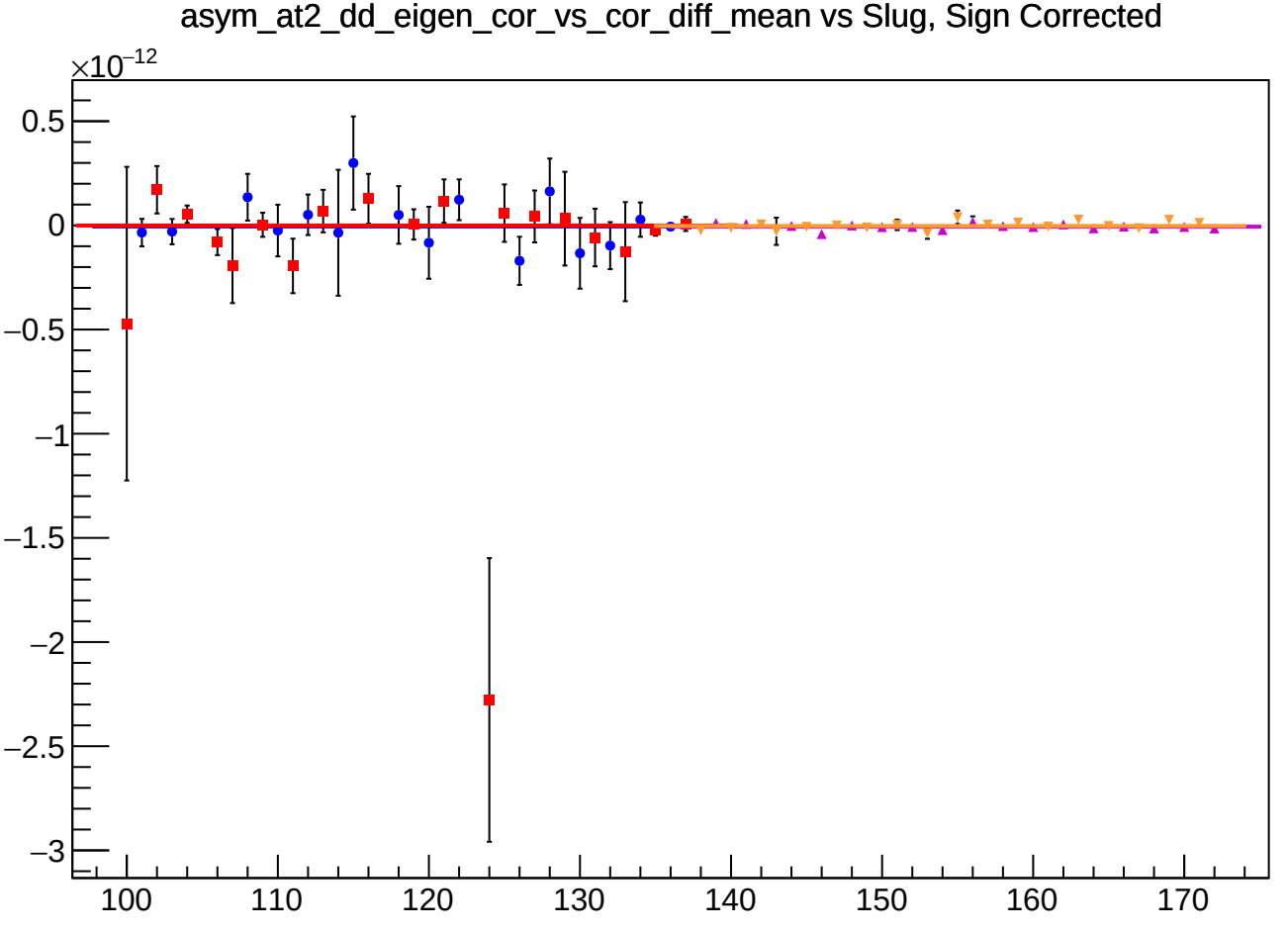
Left: 55.669+/-0.009 χ^2/NDF: 8391805.0/34

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 58.485+/-0.010 χ^2/NDF:6373304.0/32

Out: 54.318+/-0.010 χ^2/NDF:8499368.1/36

All: 56.335+/-0.007 χ^2/NDF: 14957562.6/69



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.5/17

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/16

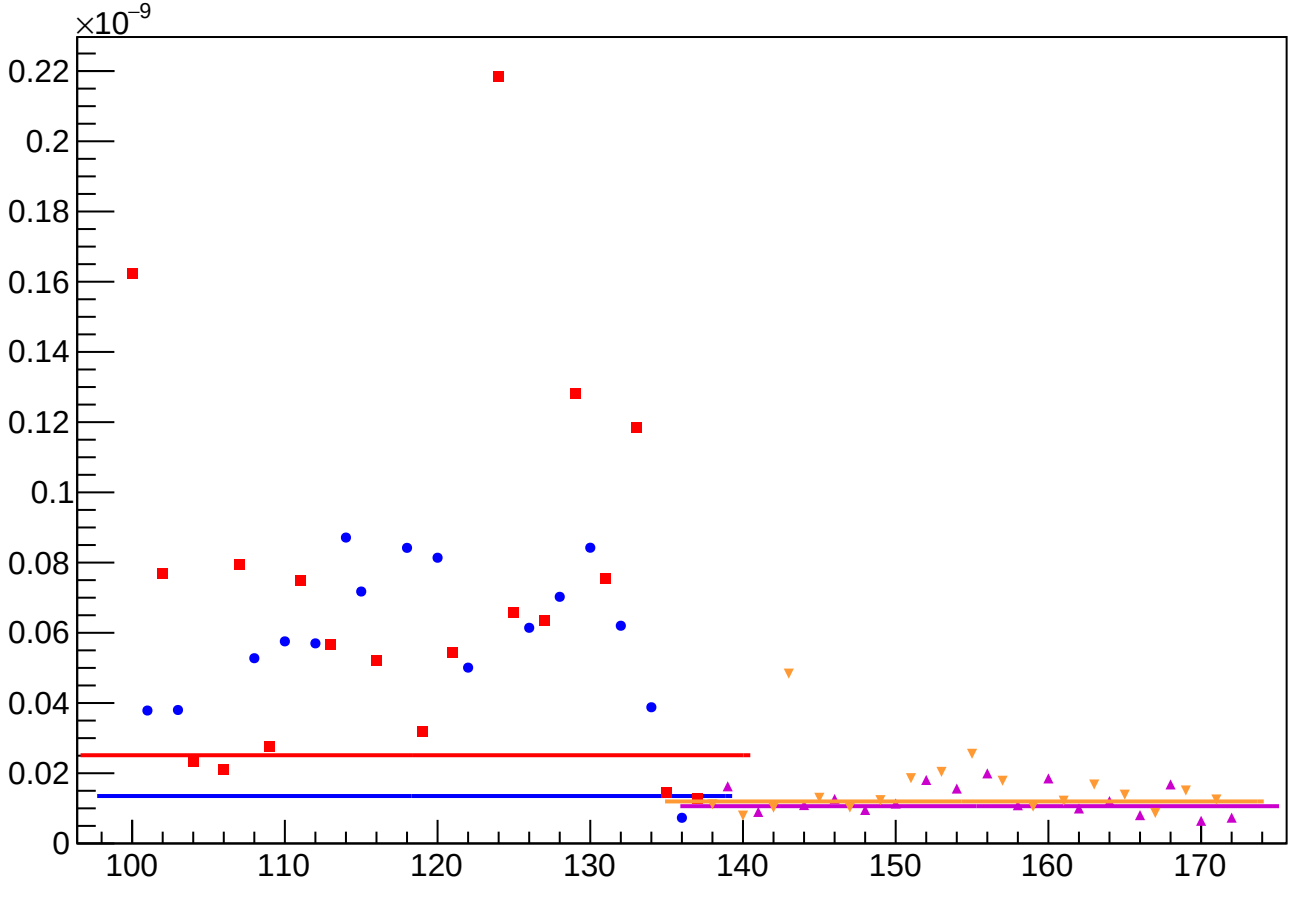
Left: -0.000+/-0.000 χ^2/NDF: 23.8/34

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:38.6/36

All: -0.000+/-0.000 χ^2/NDF: 59.7/69



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2135092.5/17

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: 4037960.7/34

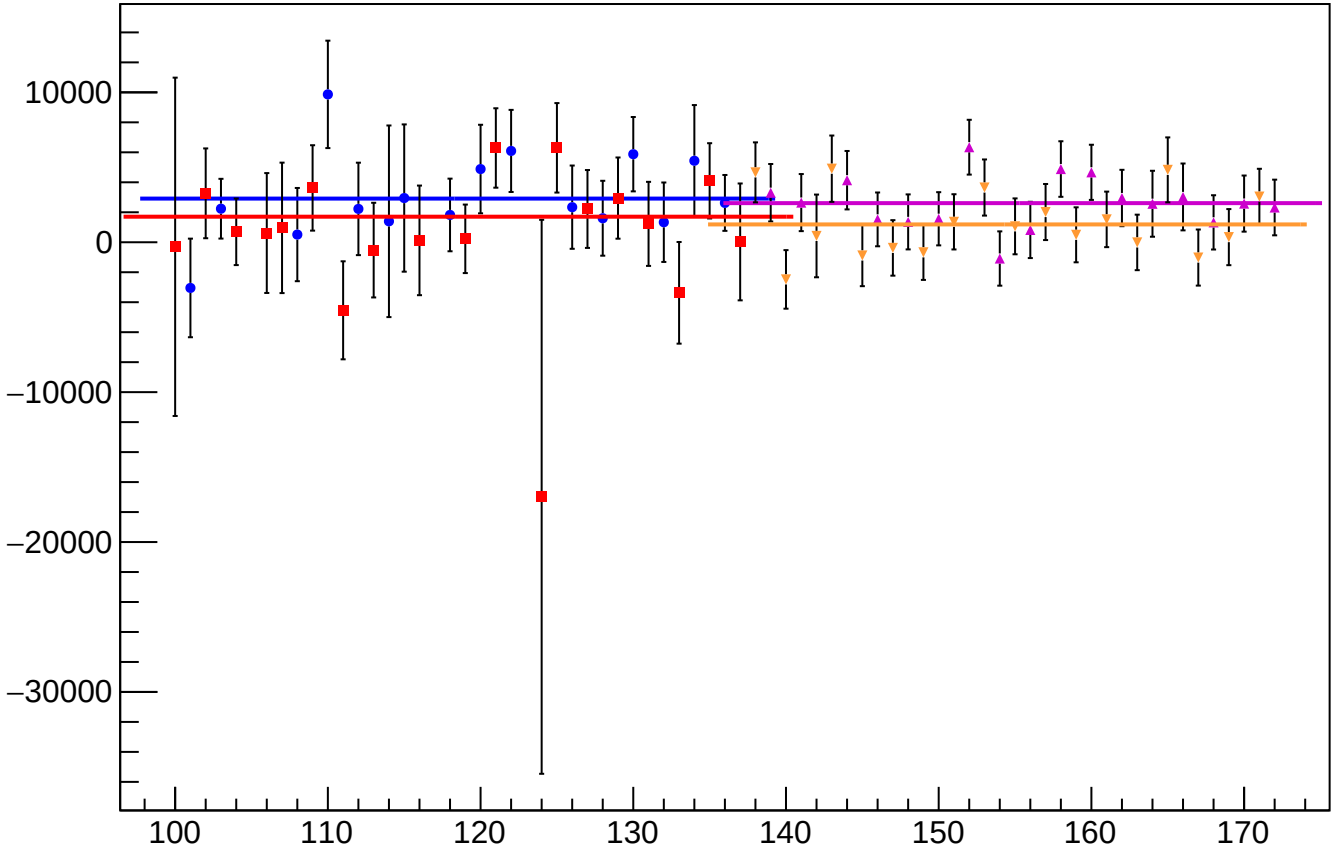
Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:6916314.9/32

Out: 0.000+/-0.000 χ^2/NDF:7140094.6/36

All: 0.000+/-0.000 χ^2/NDF: 14319966.0/69

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1189.430+/-457.276 χ^2/NDF:20.2/17

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: 1899.530+/-323.351 χ^2/NDF: 39.5/34

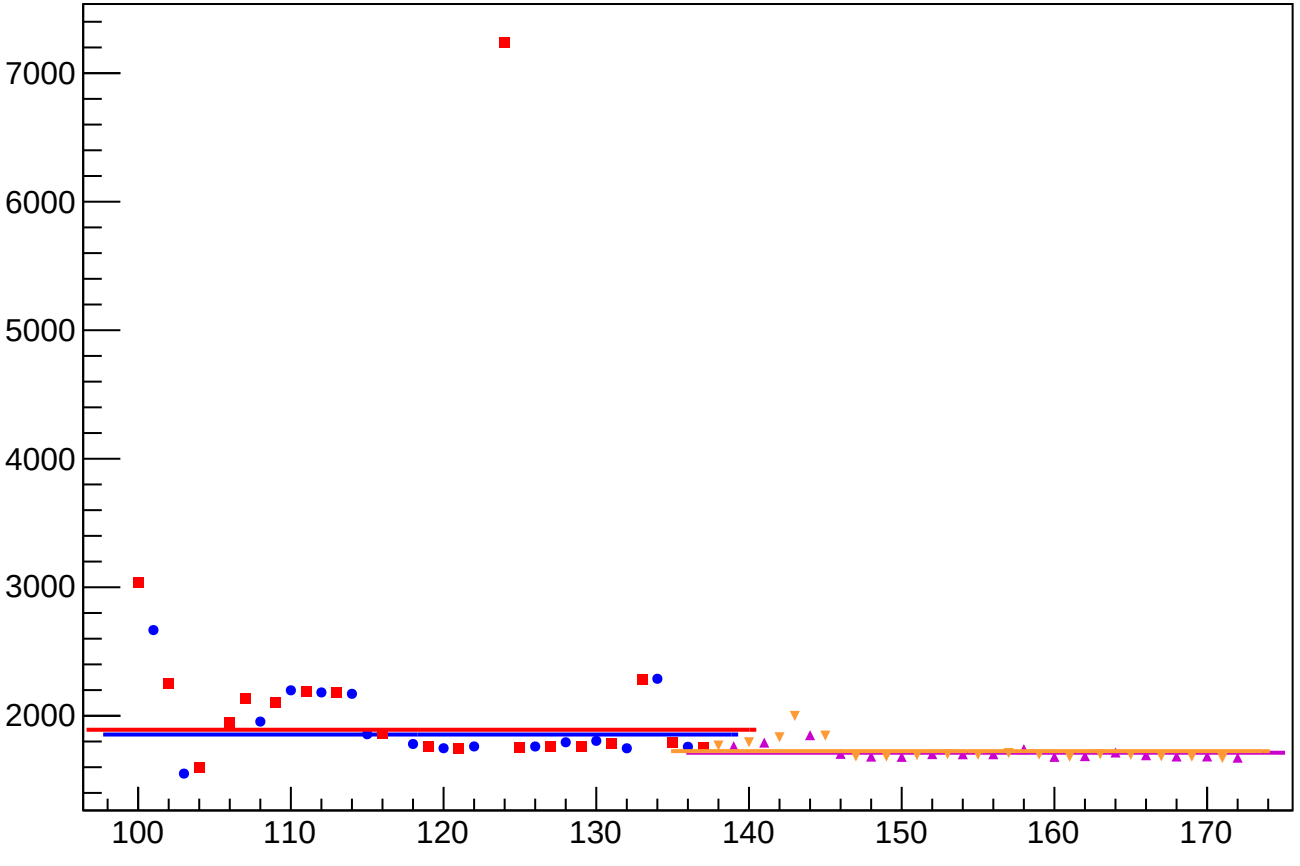
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2701.326+/-382.030 χ^2/NDF:27.1/32

Out: 1341.513+/-383.939 χ^2/NDF:36.4/36

All: 2024.808+/-270.808 χ^2/NDF: 69.7/69

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1725.101+/-0.323 χ^2/NDF:53493.8/17

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1712.593+/-0.323 χ^2/NDF:19562.2/16

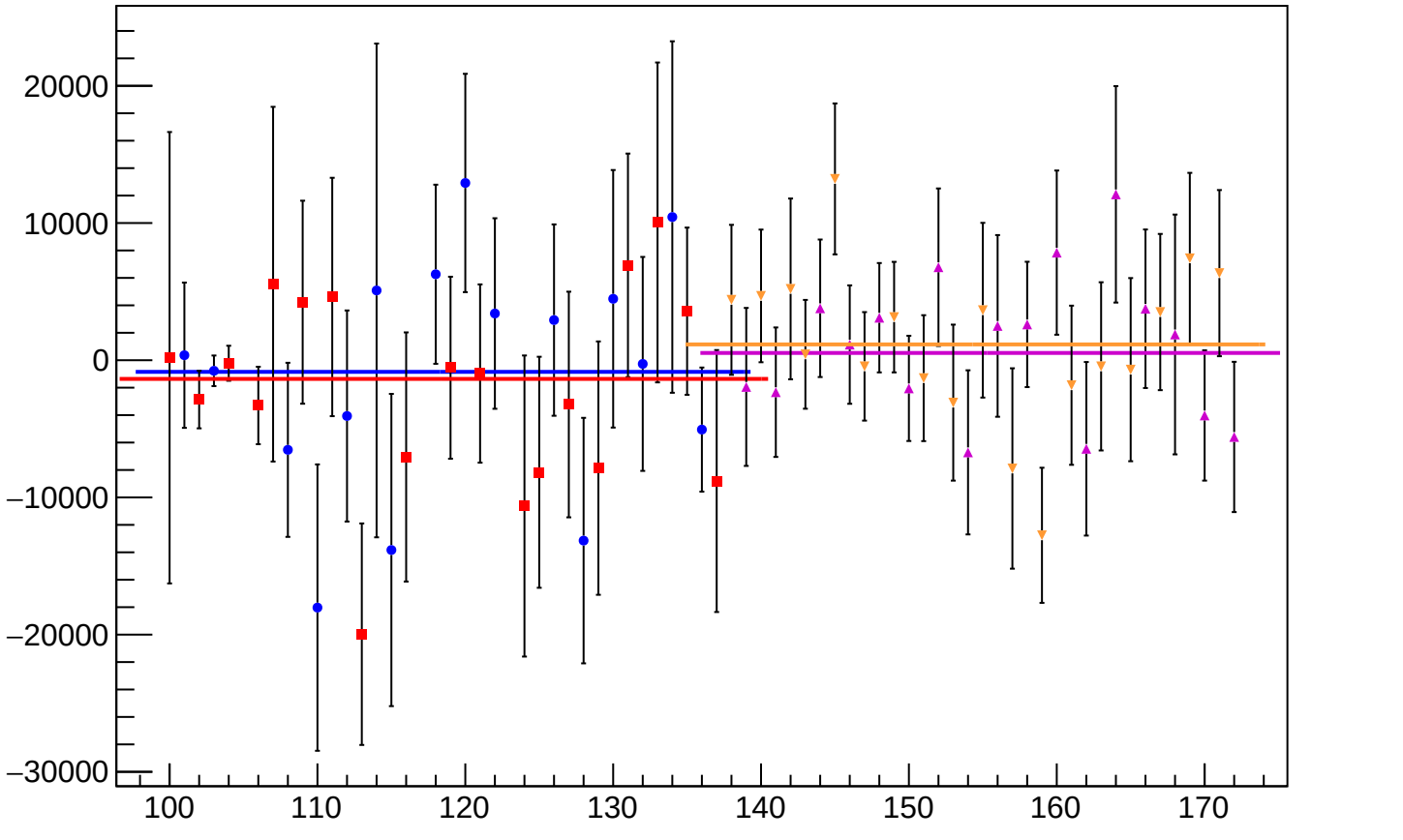
Left: 1718.848+/-0.229 χ^2/NDF: 73804.1/34

Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1755.407+/-0.270 χ^2/NDF:340913.2/32

Out: 1774.346+/-0.271 χ^2/NDF:495906.1/36

All: 1764.836+/-0.191 χ^2/NDF: 839266.5/69



Right In: -847.977+/-962.920 χ^2/NDF: 13.9/15

Left Out: 1152.348+/-1242.930 χ^2/NDF:19.4/17

Right Out: -1361.523+/-915.925 χ^2/NDF: 14.0/18

Left In: 530.550+/-1271.696 χ^2/NDF:12.2/16

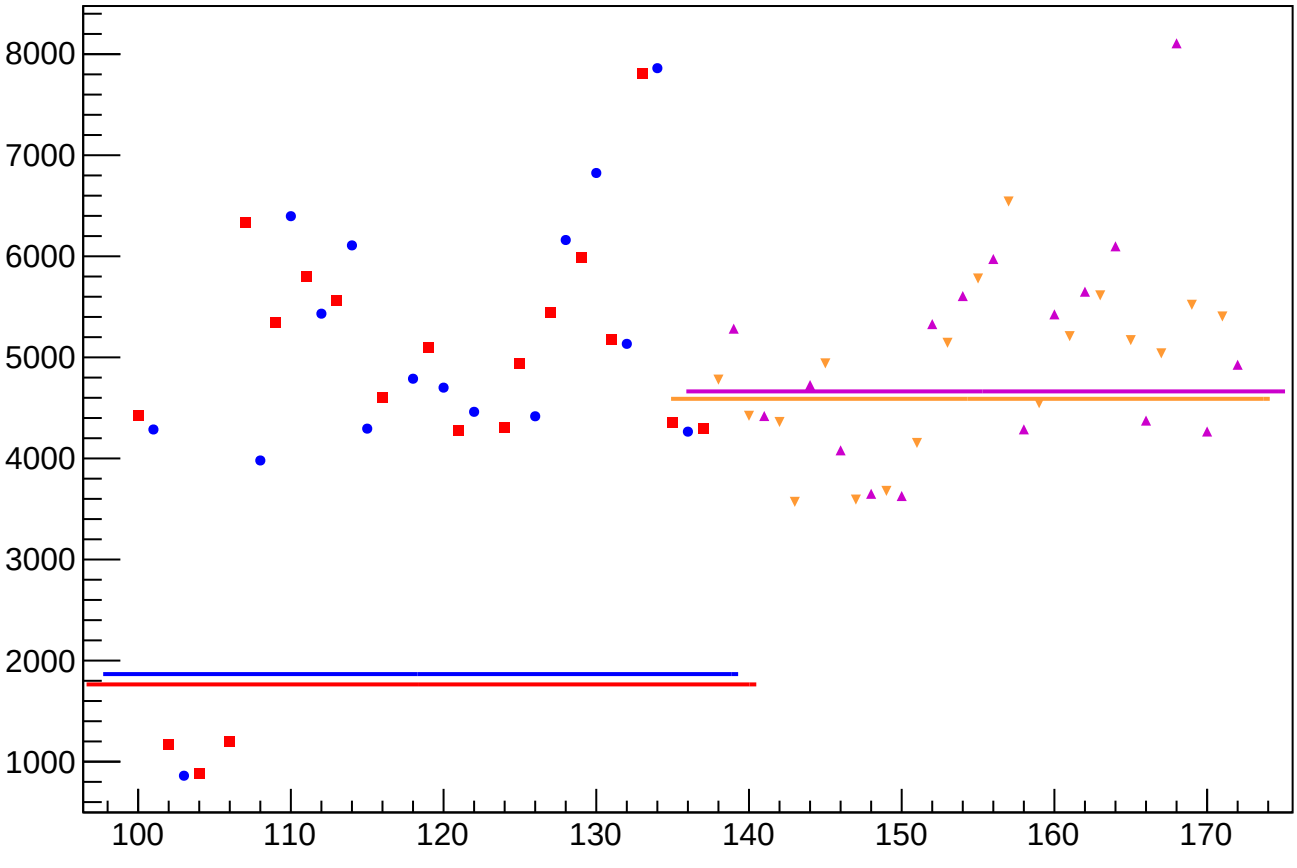
Left: 848.561+/-888.880 χ^2/NDF: 31.7/34

Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

In: -345.628+/-767.677 χ^2/NDF:26.8/32

Out: -476.827+/-737.347 χ^2/NDF:36.0/36

All: -413.870+/-531.782 χ^2/NDF: 62.8/69



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4589.921+/-0.879 χ^2/NDF:814217.1/17

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4663.370+/-0.899 χ^2/NDF:990321.8/16

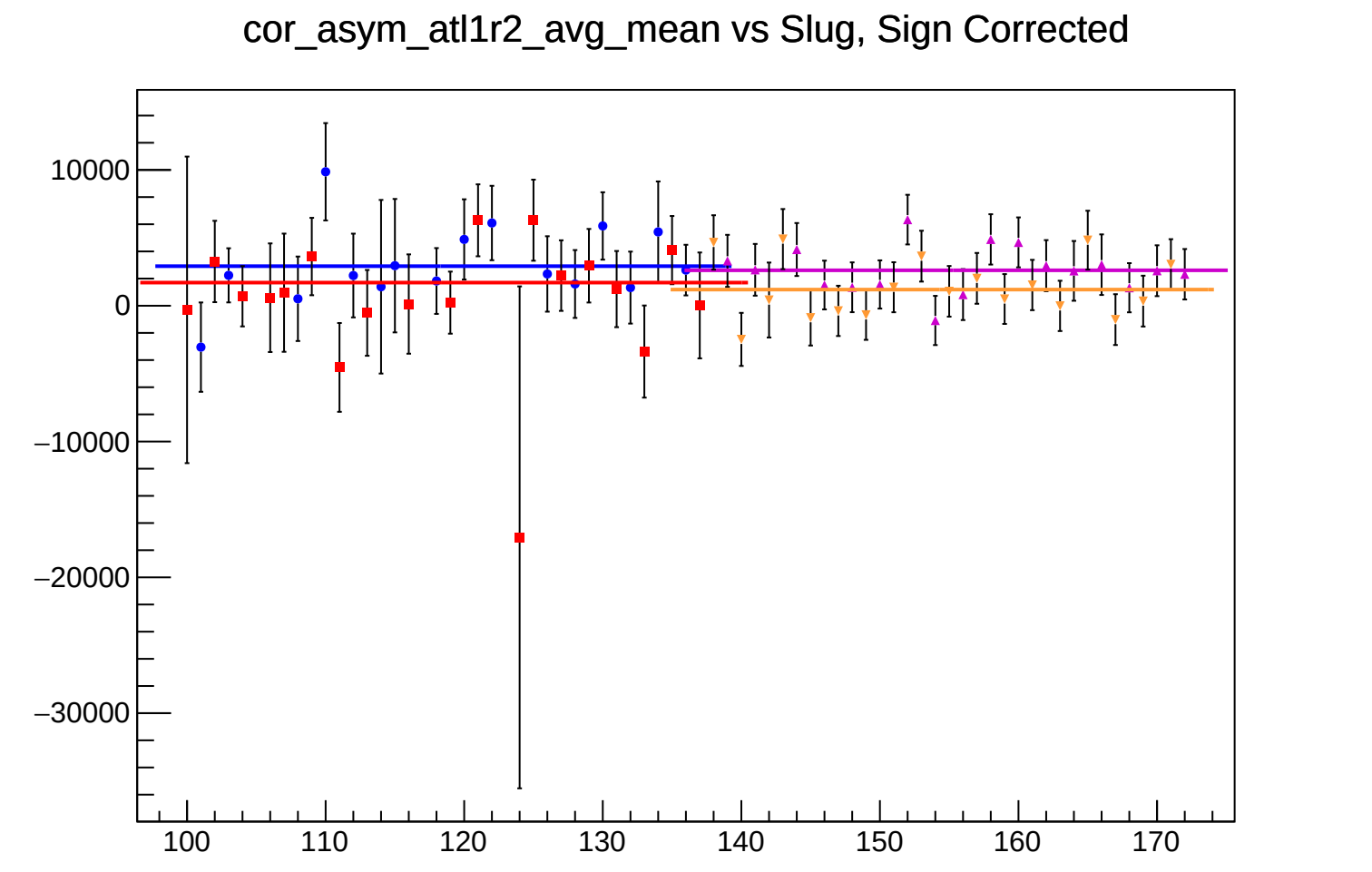
Left: 4625.805+/-0.629 χ^2/NDF: 1807951.0/34

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2885.647+/-0.543 χ^2/NDF:13989096.7/32

Out: 2758.697+/-0.521 χ^2/NDF:13947793.3/36

All: 2819.614+/-0.376 χ^2/NDF: 27965338.8/6



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1189.297+/-457.276 χ^2/NDF:20.2/17

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: 1899.449+/-323.351 χ^2/NDF: 39.5/34

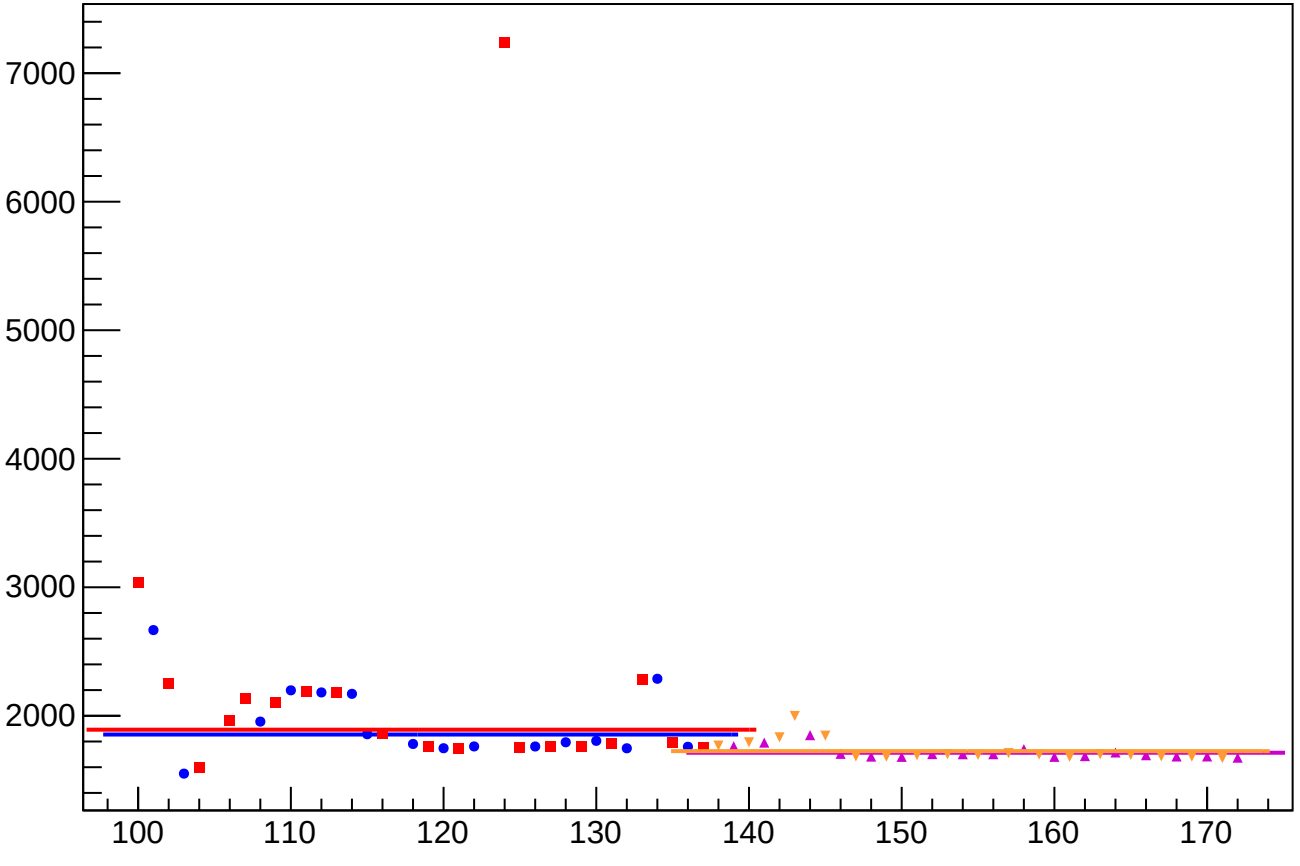
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2701.337+/-382.030 χ^2/NDF:27.1/32

Out: 1341.011+/-383.939 χ^2/NDF:36.4/36

All: 2024.563+/-270.808 χ^2/NDF: 69.8/69

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1725.101+/-0.323 χ^2/NDF:53493.8/17

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1712.593+/-0.323 χ^2/NDF:19562.2/16

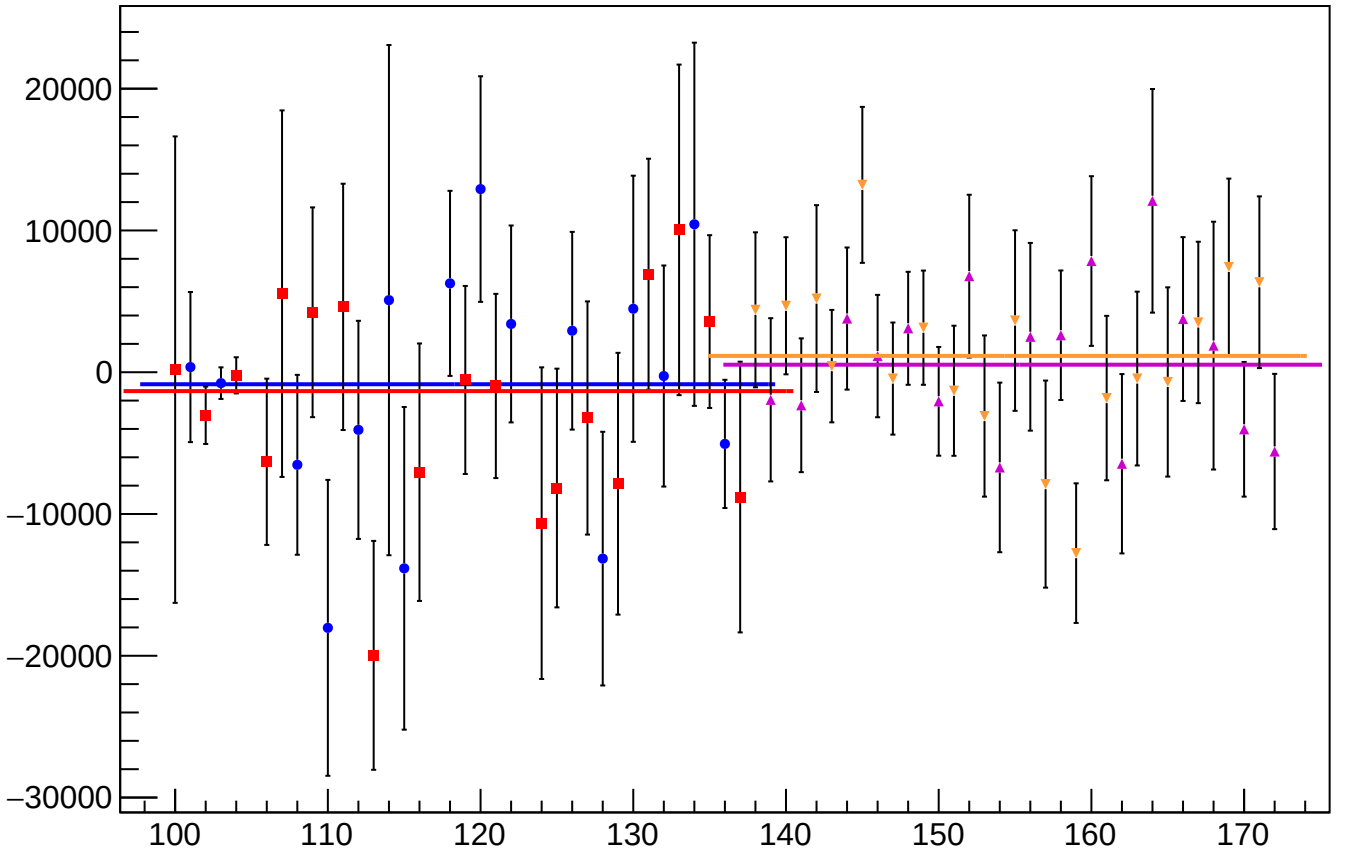
Left: 1718.848+/-0.229 χ^2/NDF: 73804.1/34

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1755.407+/-0.270 χ^2/NDF:340913.1/32

Out: 1774.466+/-0.271 χ^2/NDF:496554.9/36

All: 1764.895+/-0.191 χ^2/NDF: 839946.1/69



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 1152.337+/-1242.928 χ^2/NDF:19.4/17

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 530.604+/-1271.696 χ^2/NDF:12.2/16

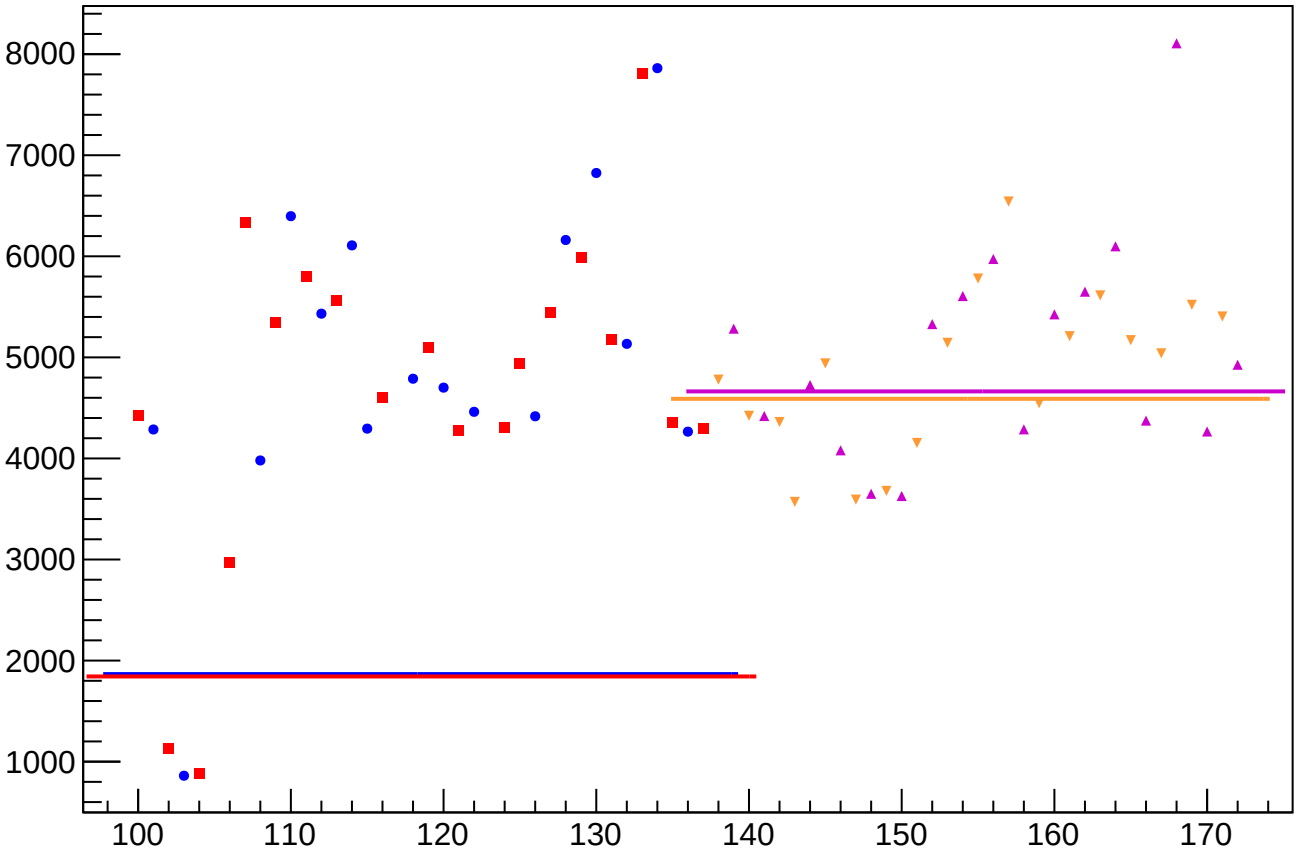
Left: 848.582+/-888.879 χ^2/NDF: 31.7/34

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -345.342+/-767.650 χ^2/NDF:26.8/32

Out: -417.708+/-753.857 χ^2/NDF:36.3/36

All: -382.181+/-537.868 χ^2/NDF: 63.1/69



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4589.914+/-0.879 χ^2/NDF:814227.7/17

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4663.367+/-0.899 χ^2/NDF:990337.6/16

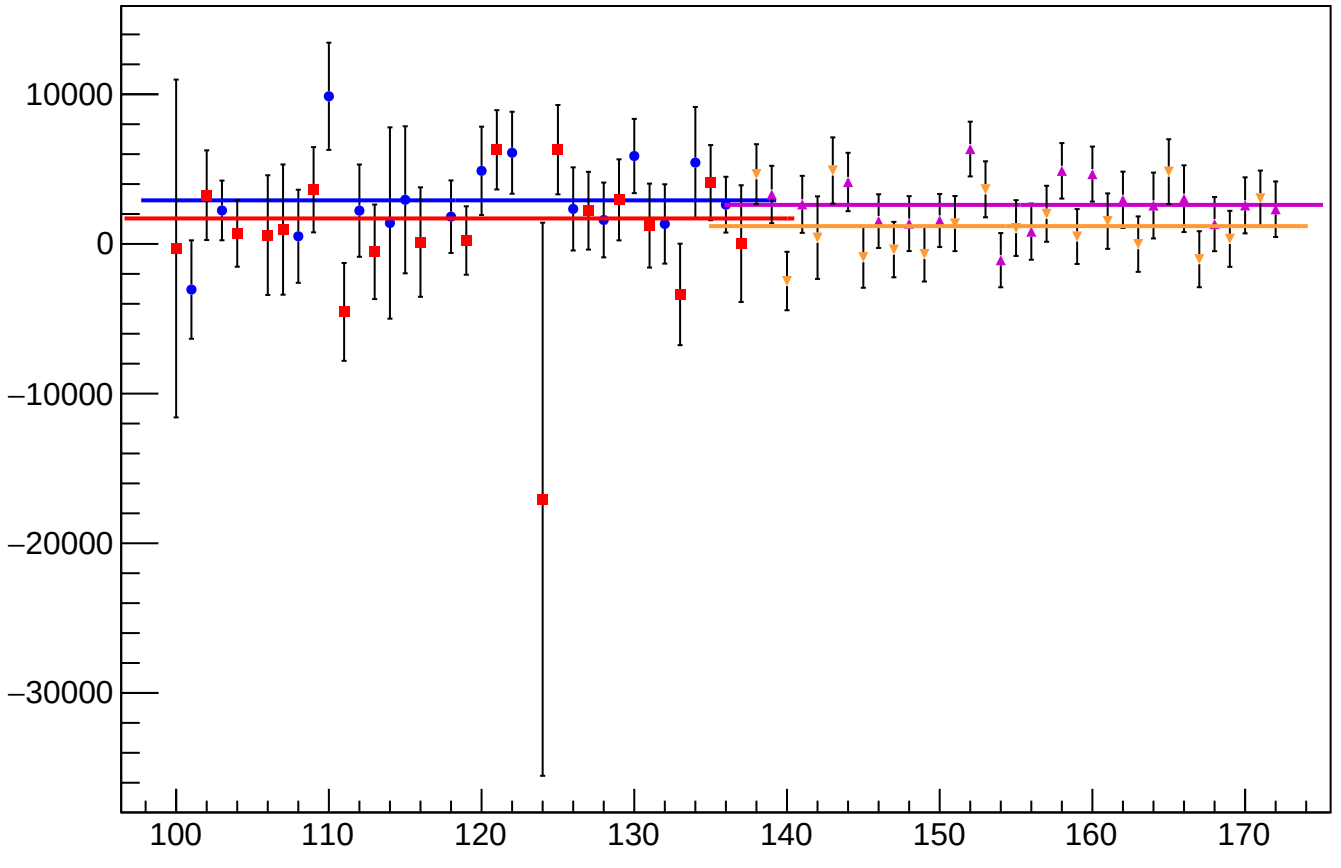
Left: 4625.800+/-0.629 χ^2/NDF: 1807977.7/34

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2885.477+/-0.543 χ^2/NDF:13990448.4/32

Out: 2853.412+/-0.533 χ^2/NDF:13448253.8/36

All: 2869.154+/-0.380 χ^2/NDF: 27440478.5/6



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1189.297+/-457.276 χ^2/NDF:20.2/17

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2609.675+/-457.300 χ^2/NDF:14.5/16

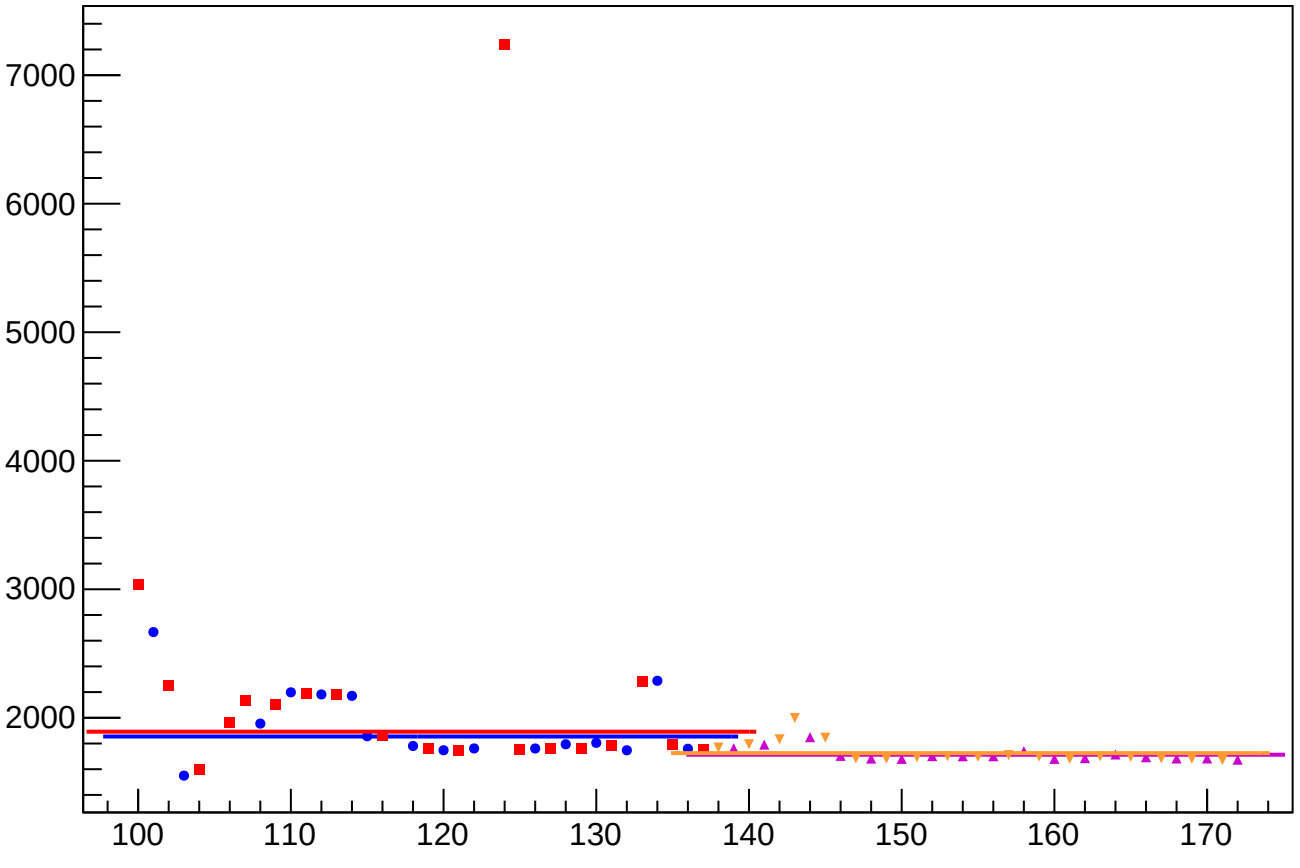
Left: 1899.449+/-323.351 χ^2/NDF: 39.5/34

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2701.337+/-382.030 χ^2/NDF:27.1/32

Out: 1341.011+/-383.939 χ^2/NDF:36.4/36

All: 2024.563+/-270.808 χ^2/NDF: 69.8/69



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1725.101+/-0.323 χ^2/NDF:53493.8/17

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1712.593+/-0.323 χ^2/NDF:19562.2/16

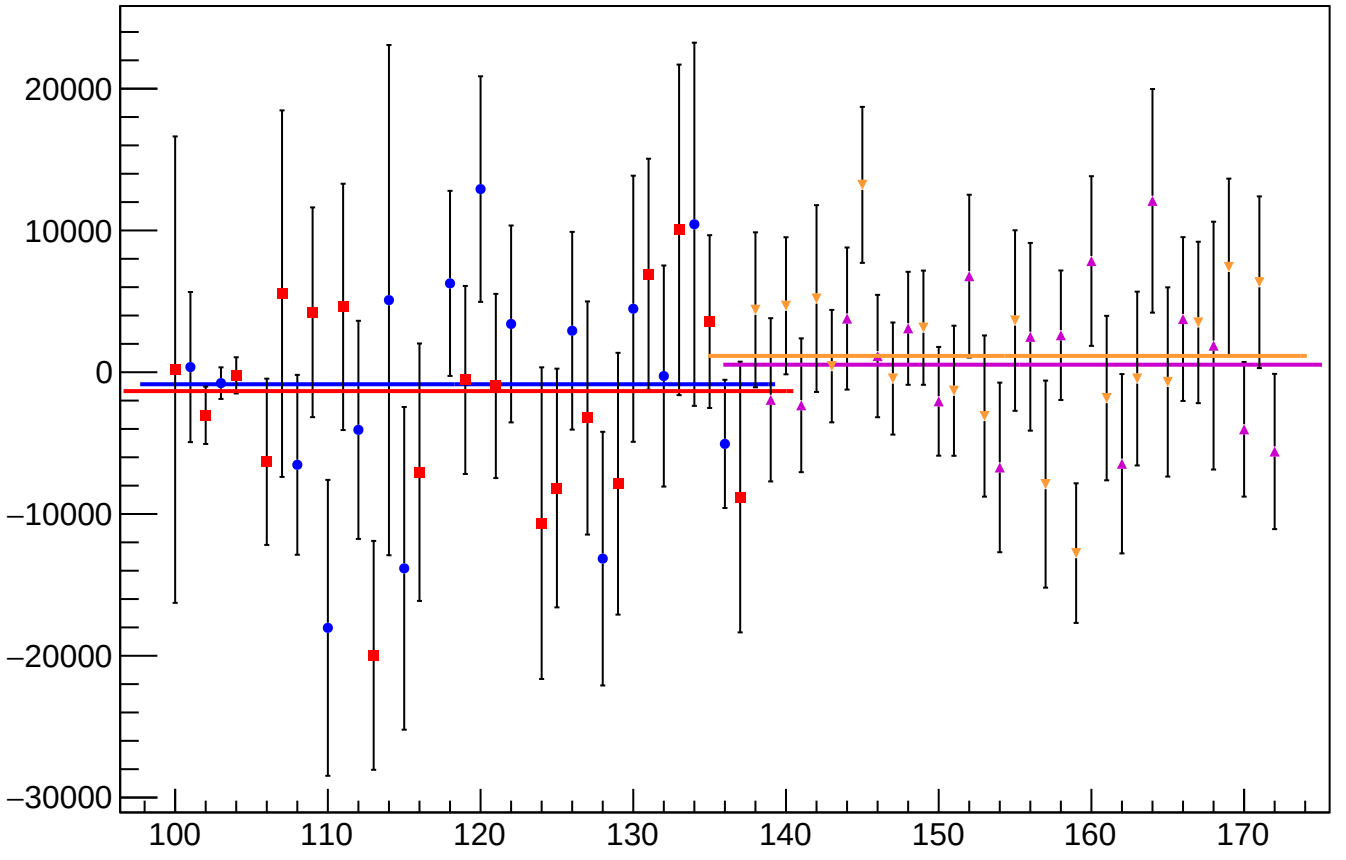
Left: 1718.848+/-0.229 χ^2/NDF: 73804.1/34

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1755.407+/-0.270 χ^2/NDF:340913.1/32

Out: 1774.466+/-0.271 χ^2/NDF:496554.9/36

All: 1764.895+/-0.191 χ^2/NDF: 839946.1/69



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 1152.337+/-1242.928 χ^2/NDF:19.4/17

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 530.604+/-1271.696 χ^2/NDF:12.2/16

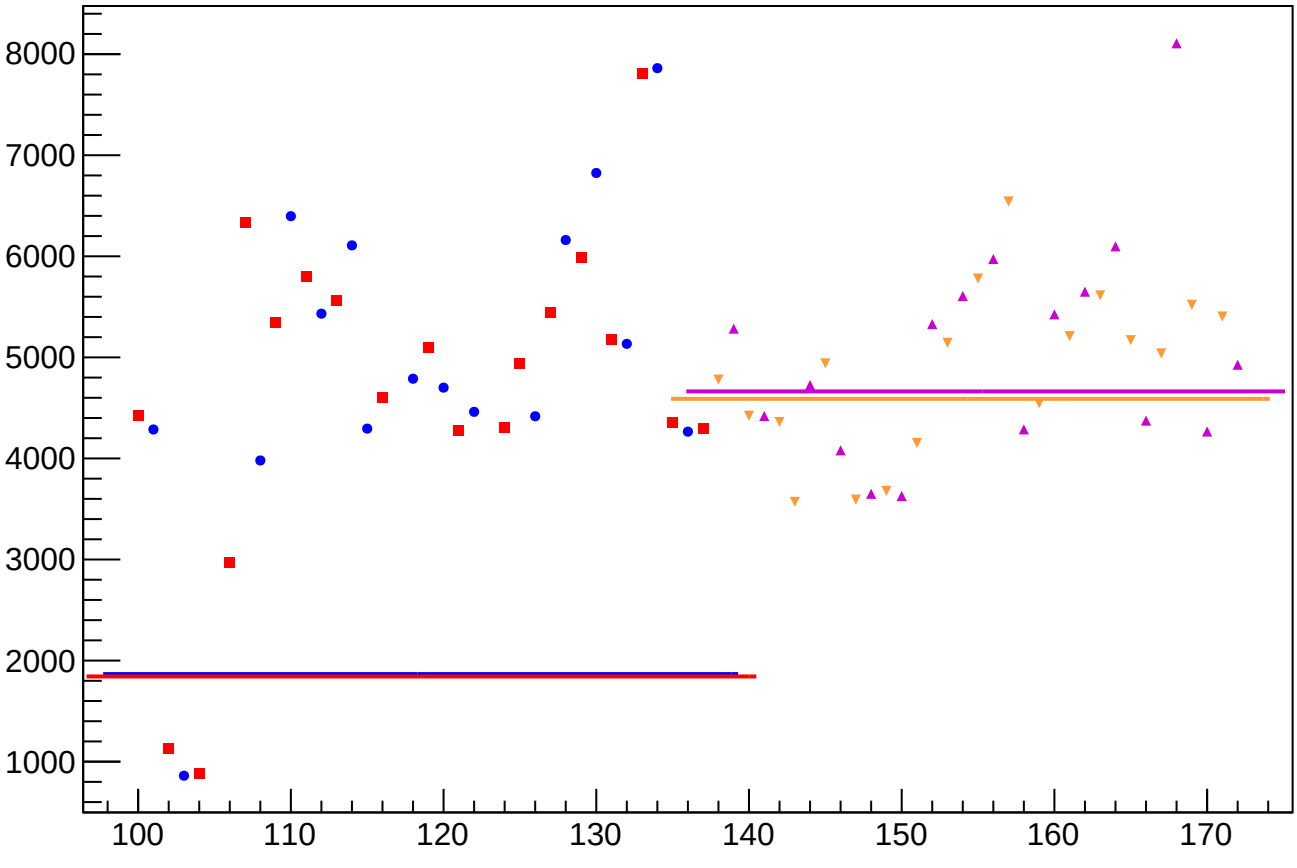
Left: 848.582+/-888.879 χ^2/NDF: 31.7/34

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -345.342+/-767.650 χ^2/NDF:26.8/32

Out: -417.708+/-753.857 χ^2/NDF:36.3/36

All: -382.181+/-537.868 χ^2/NDF: 63.1/69



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4589.914+/-0.879 χ^2/NDF:814227.7/17

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4663.367+/-0.899 χ^2/NDF:990337.6/16

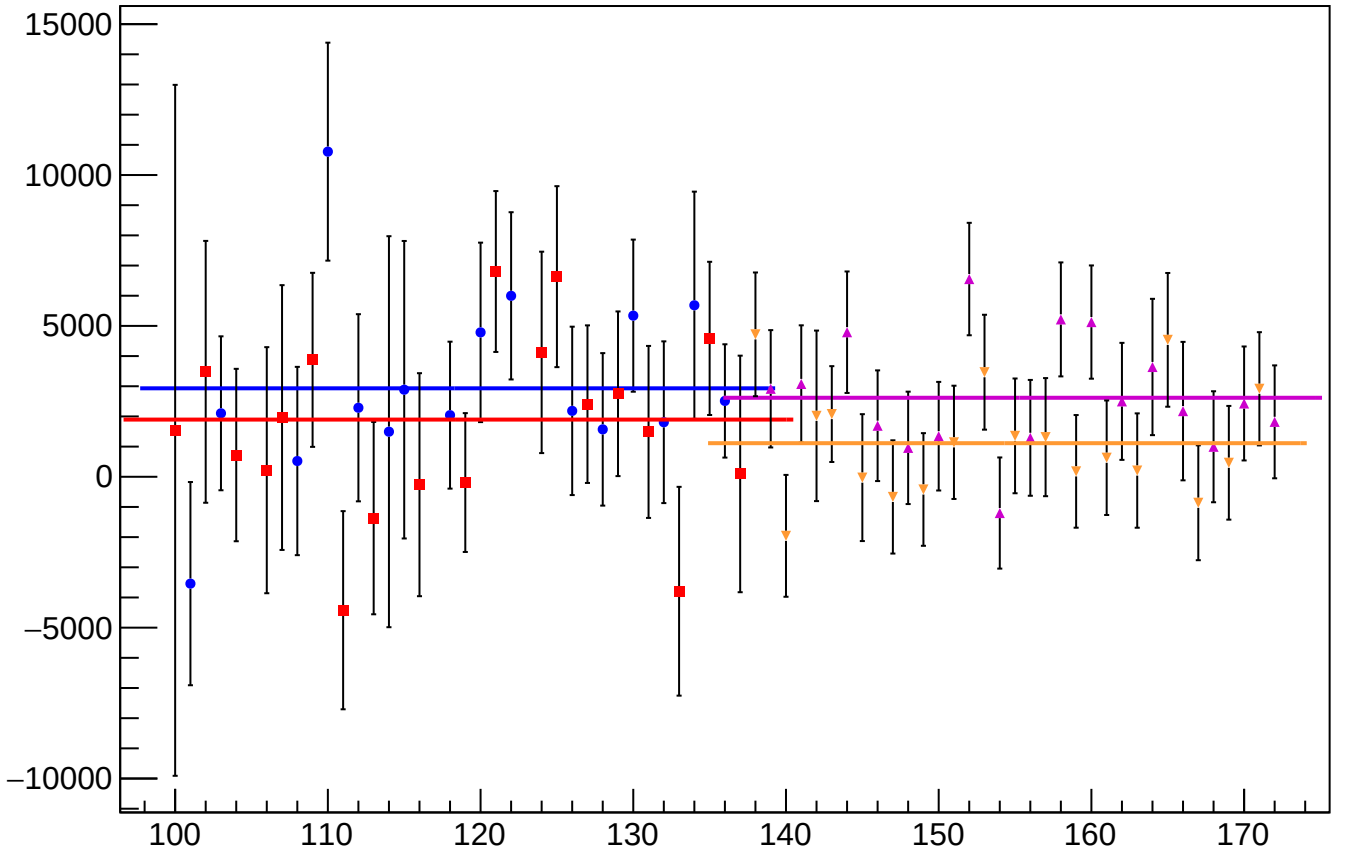
Left: 4625.800+/-0.629 χ^2/NDF: 1807977.7/34

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2885.477+/-0.543 χ^2/NDF:13990448.4/32

Out: 2853.412+/-0.533 χ^2/NDF:13448253.8/36

All: 2869.154+/-0.380 χ^2/NDF: 27440478.5/6



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1113.306+/-456.996 χ^2/NDF:14.4/17

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 2618.347+/-466.114 χ^2/NDF:16.9/16

Left: 1850.963+/-326.321 χ^2/NDF: 36.6/34

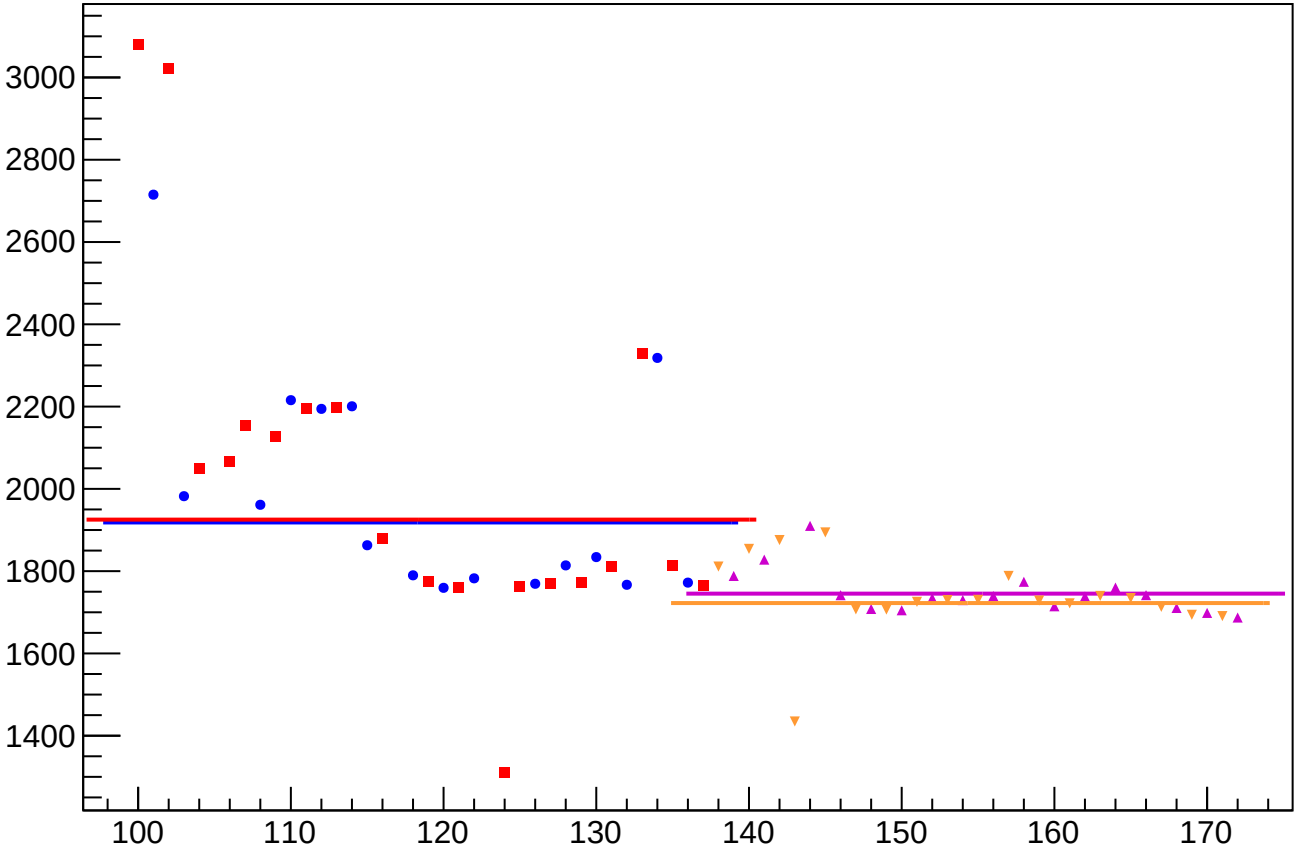
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2711.194+/-391.005 χ^2/NDF:30.0/32

Out: 1337.066+/-386.137 χ^2/NDF:32.6/36

All: 2015.523+/-274.745 χ^2/NDF: 68.9/69

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1722.450+/-0.323 χ^2/NDF:101142.0/17

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1745.344+/-0.330 χ^2/NDF:25031.2/16

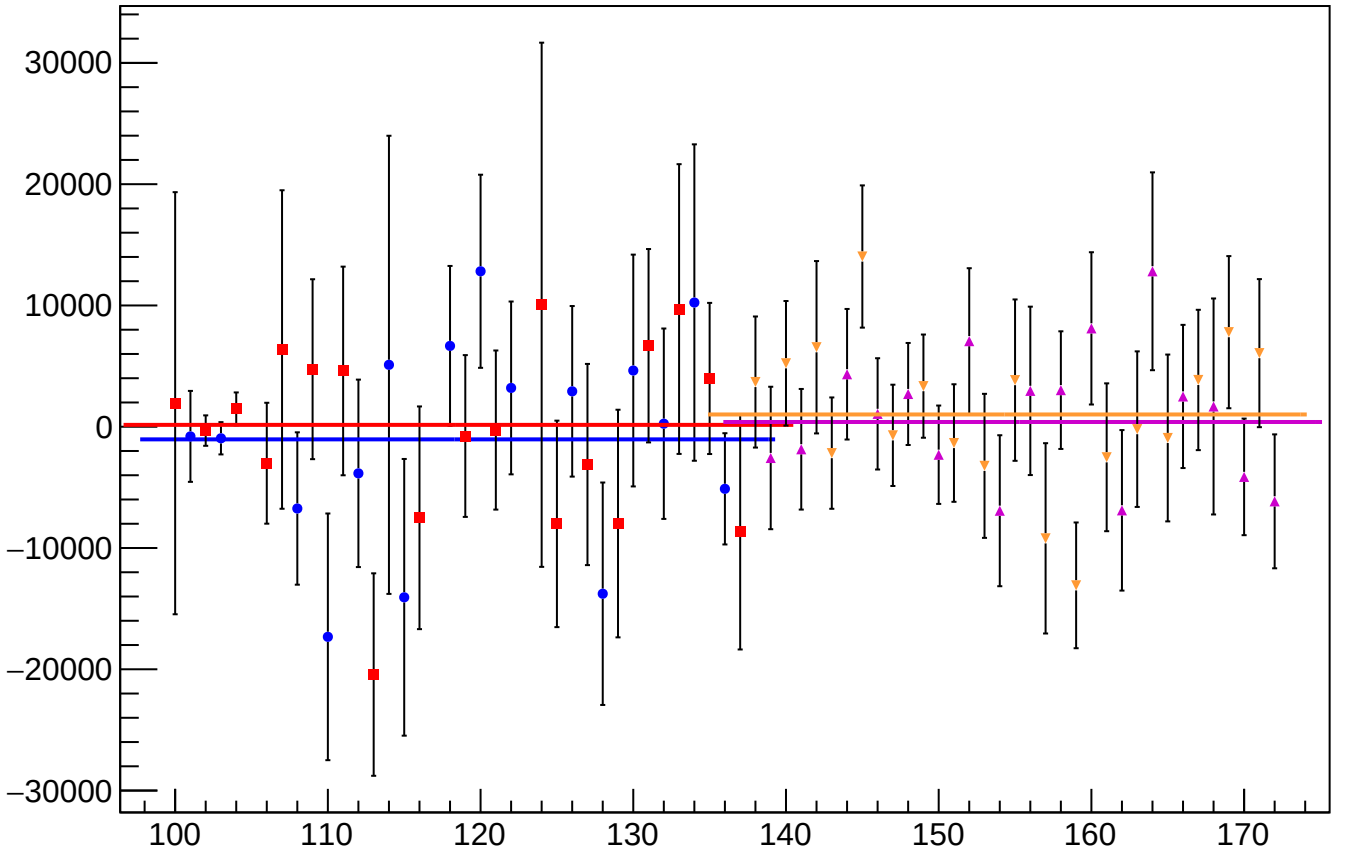
Left: 1733.671+/-0.231 χ^2/NDF: 128633.2/34

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1796.613+/-0.276 χ^2/NDF:322282.6/32

Out: 1780.535+/-0.273 χ^2/NDF:553049.3/36

All: 1788.471+/-0.194 χ^2/NDF: 877044.1/69



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 1011.813+/-1310.253 χ^2/NDF:20.0/17

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: 391.036+/-1329.107 χ^2/NDF:12.3/16

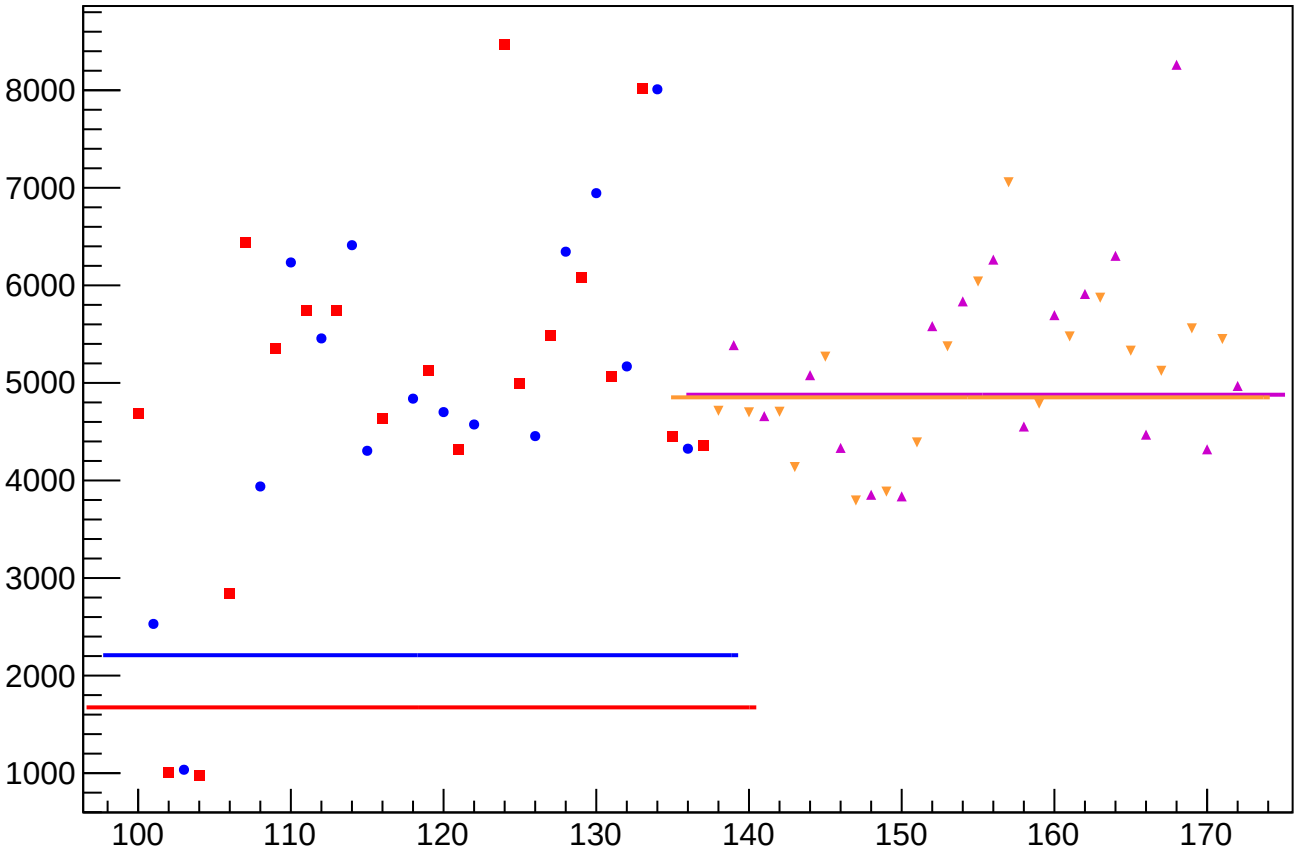
Left: 705.859+/-933.083 χ^2/NDF: 32.4/34

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -476.875+/-834.607 χ^2/NDF:26.8/32

Out: 401.766+/-704.557 χ^2/NDF:34.0/36

All: 36.159+/-538.374 χ^2/NDF: 61.5/69



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4852.050+/-0.926 χ^2/NDF:679734.5/17

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4879.007+/-0.940 χ^2/NDF:933122.8/16

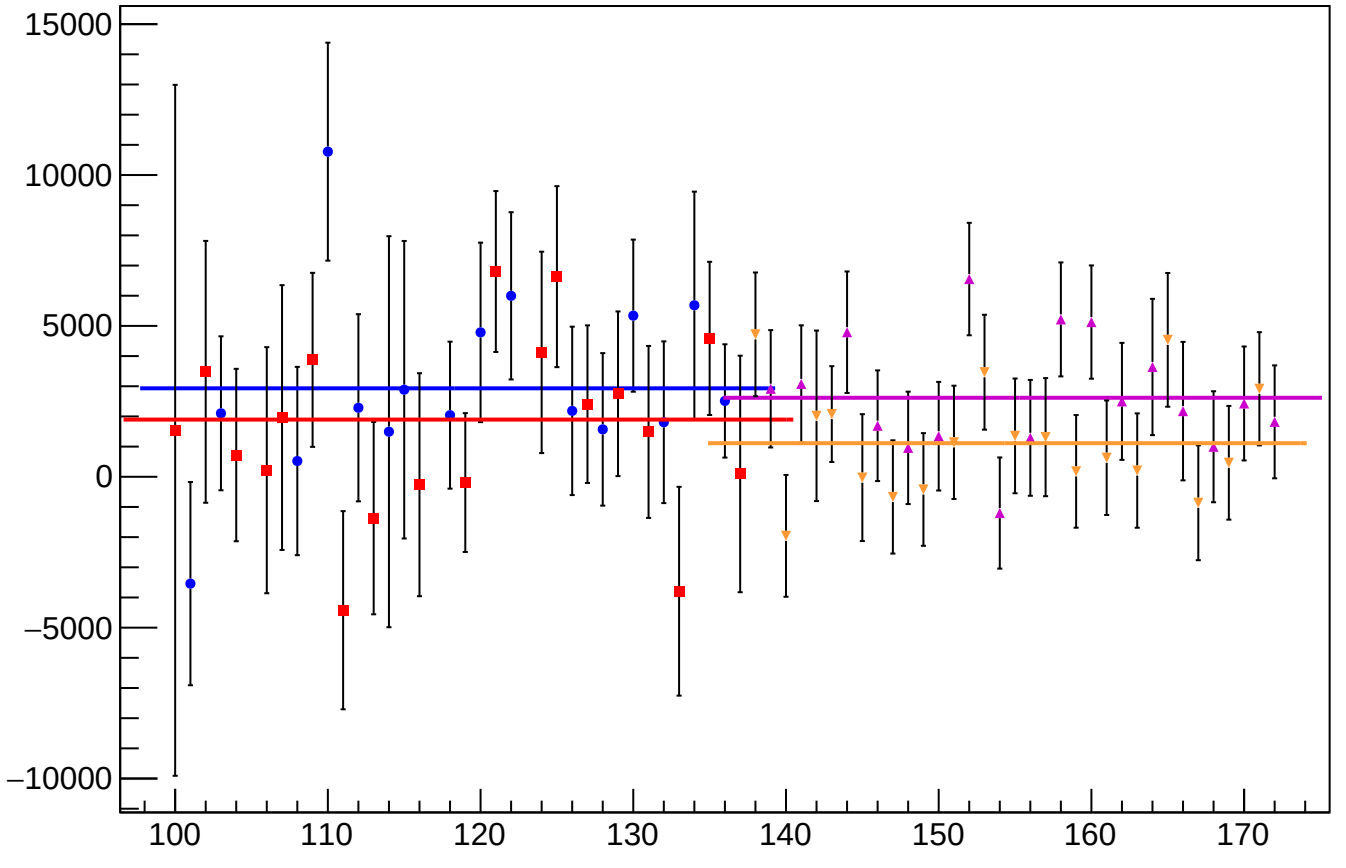
Left: 4865.336+/-0.660 χ^2/NDF: 1613274.6/34

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 3261.774+/-0.590 χ^2/NDF:11321015.4/32

Out: 2593.047+/-0.498 χ^2/NDF:15896198.0/36

All: 2871.307+/-0.381 χ^2/NDF: 27966930.6/6



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1113.300+/-456.996 χ^2/NDF:14.4/17

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: 1850.961+/-326.321 χ^2/NDF: 36.6/34

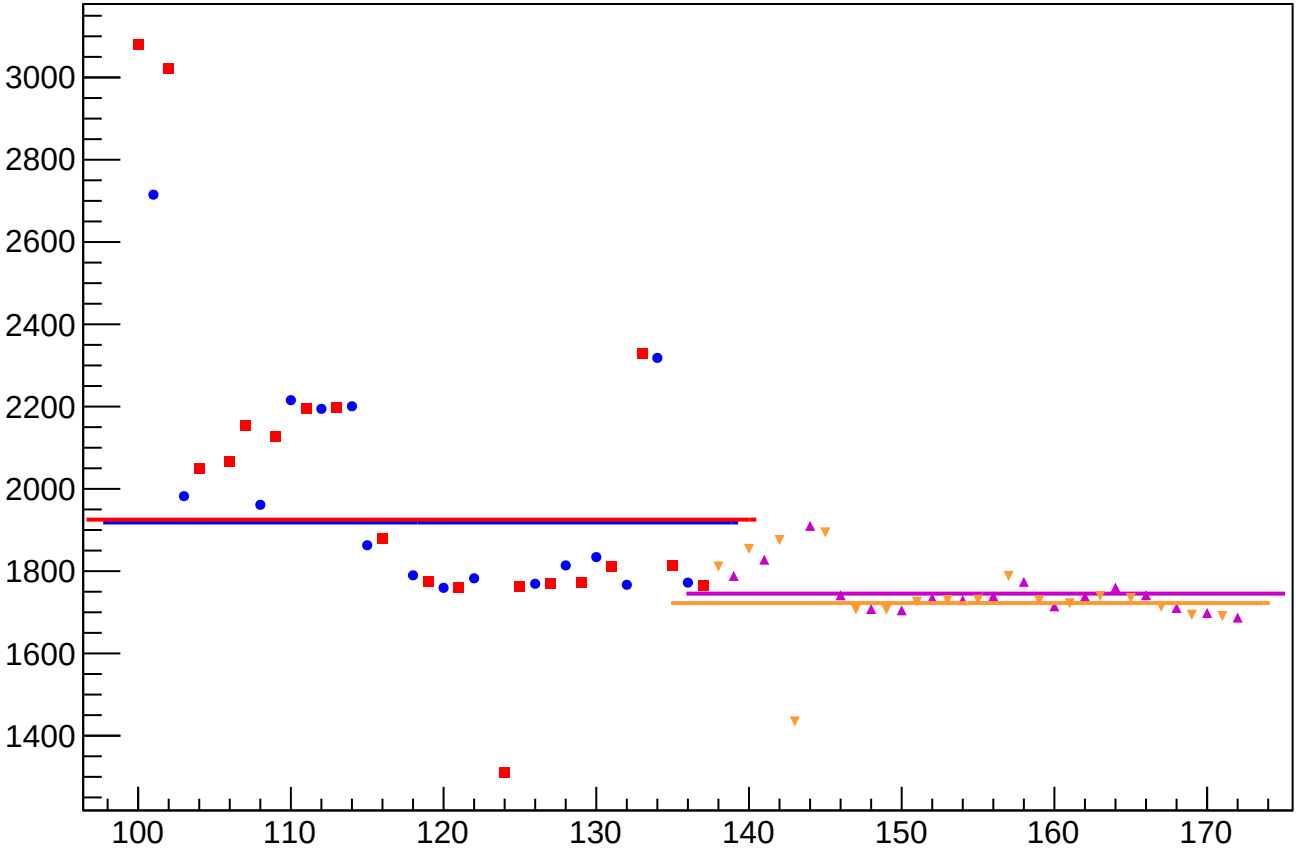
Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2711.197+/-391.005 χ^2/NDF:30.0/32

Out: 1337.063+/-386.137 χ^2/NDF:32.6/36

All: 2015.523+/-274.745 χ^2/NDF: 68.9/69

eigen_dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1722.451+/-0.323 χ^2/NDF:101141.2/17

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1745.345+/-0.330 χ^2/NDF:25031.2/16

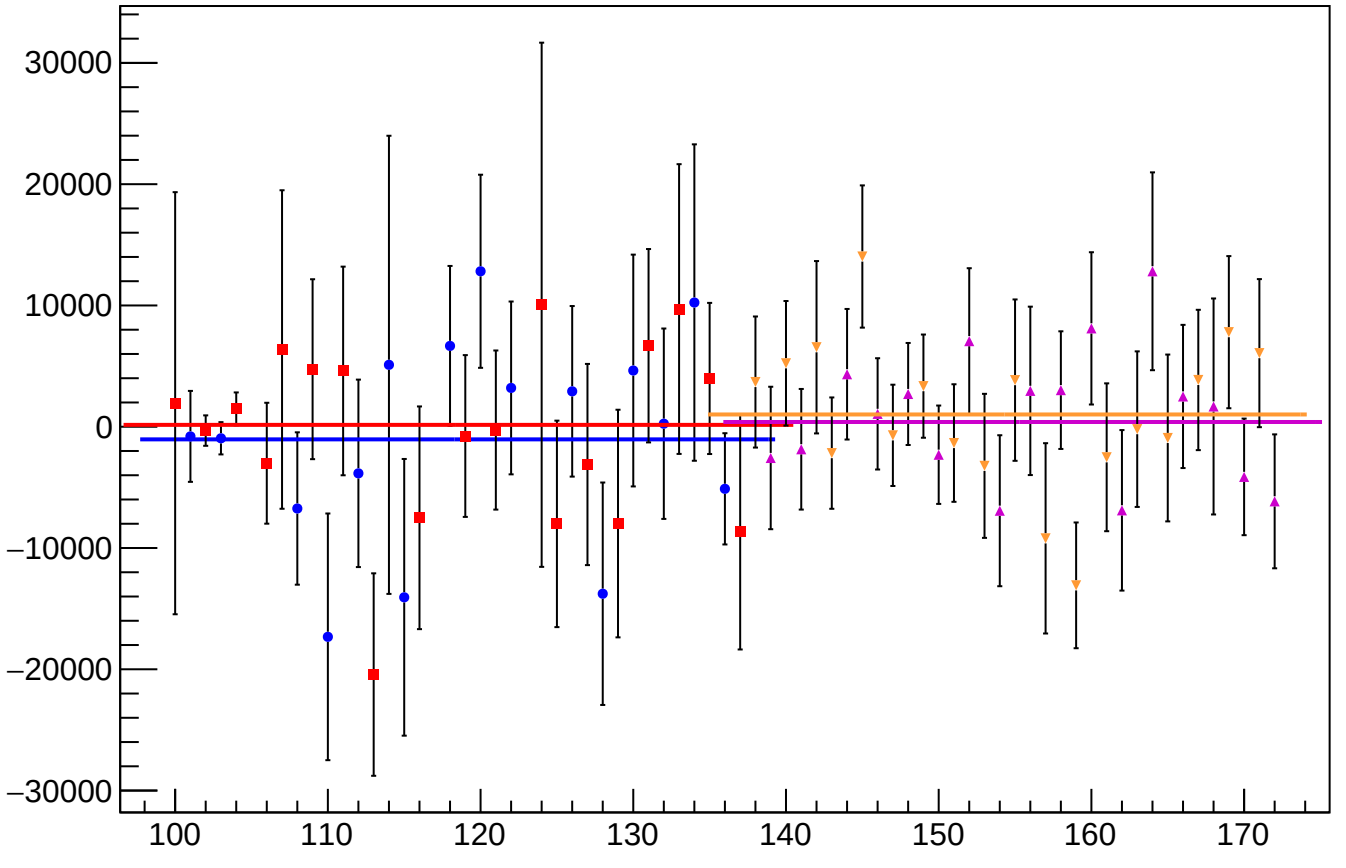
Left: 1733.672+/-0.231 χ^2/NDF: 128632.4/34

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1796.613+/-0.276 χ^2/NDF:322281.1/32

Out: 1780.536+/-0.273 χ^2/NDF:553045.7/36

All: 1788.472+/-0.194 χ^2/NDF: 877039.1/69



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 1011.812+/-1310.255 χ^2/NDF:20.0/17

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: 391.033+/-1329.109 χ^2/NDF:12.3/16

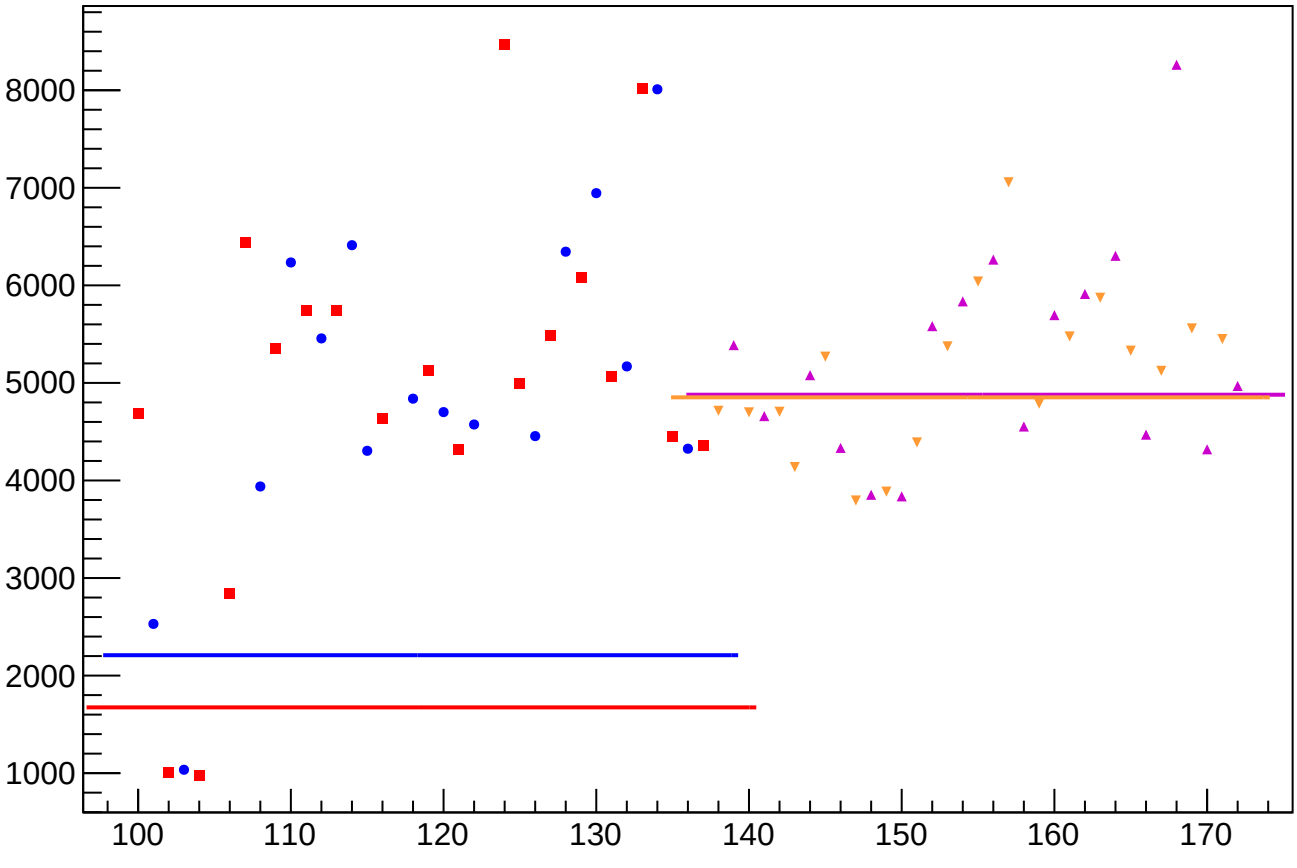
Left: 705.857+/-933.085 χ^2/NDF: 32.4/34

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -476.876+/-834.608 χ^2/NDF:26.8/32

Out: 401.761+/-704.557 χ^2/NDF:34.0/36

All: 36.156+/-538.374 χ^2/NDF: 61.5/69



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4852.058+/-0.926 χ^2/NDF:679733.9/17

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: 4865.344+/-0.660 χ^2/NDF: 1613274.3/34

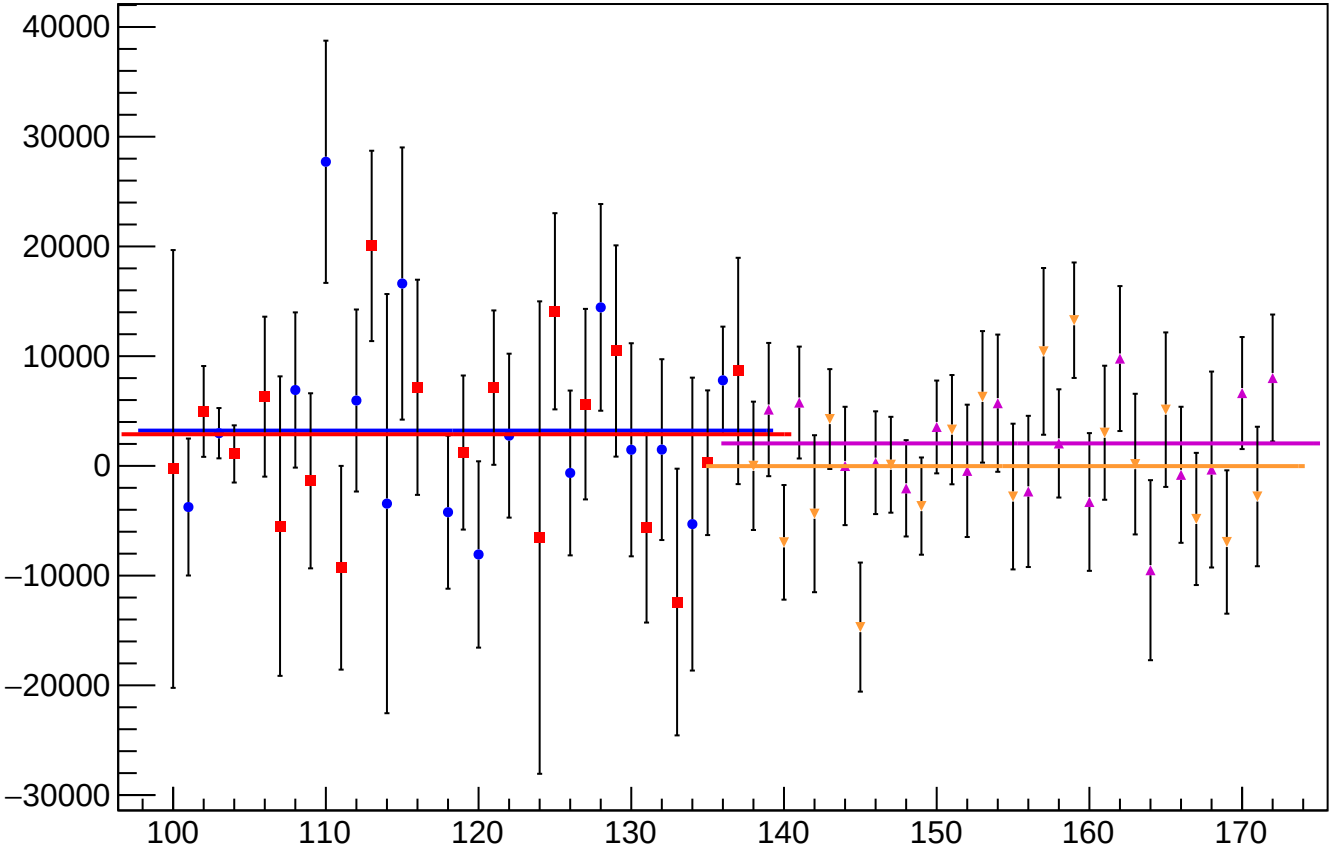
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 3261.773+/-0.590 χ^2/NDF:11321032.2/32

Out: 2593.046+/-0.498 χ^2/NDF:15896216.0/36

All: 2871.307+/-0.381 χ^2/NDF: 27966965.9/6

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: -20.917+/-1339.593 χ^2/NDF:22.7/17

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 2049.278+/-1362.661 χ^2/NDF:9.2/16

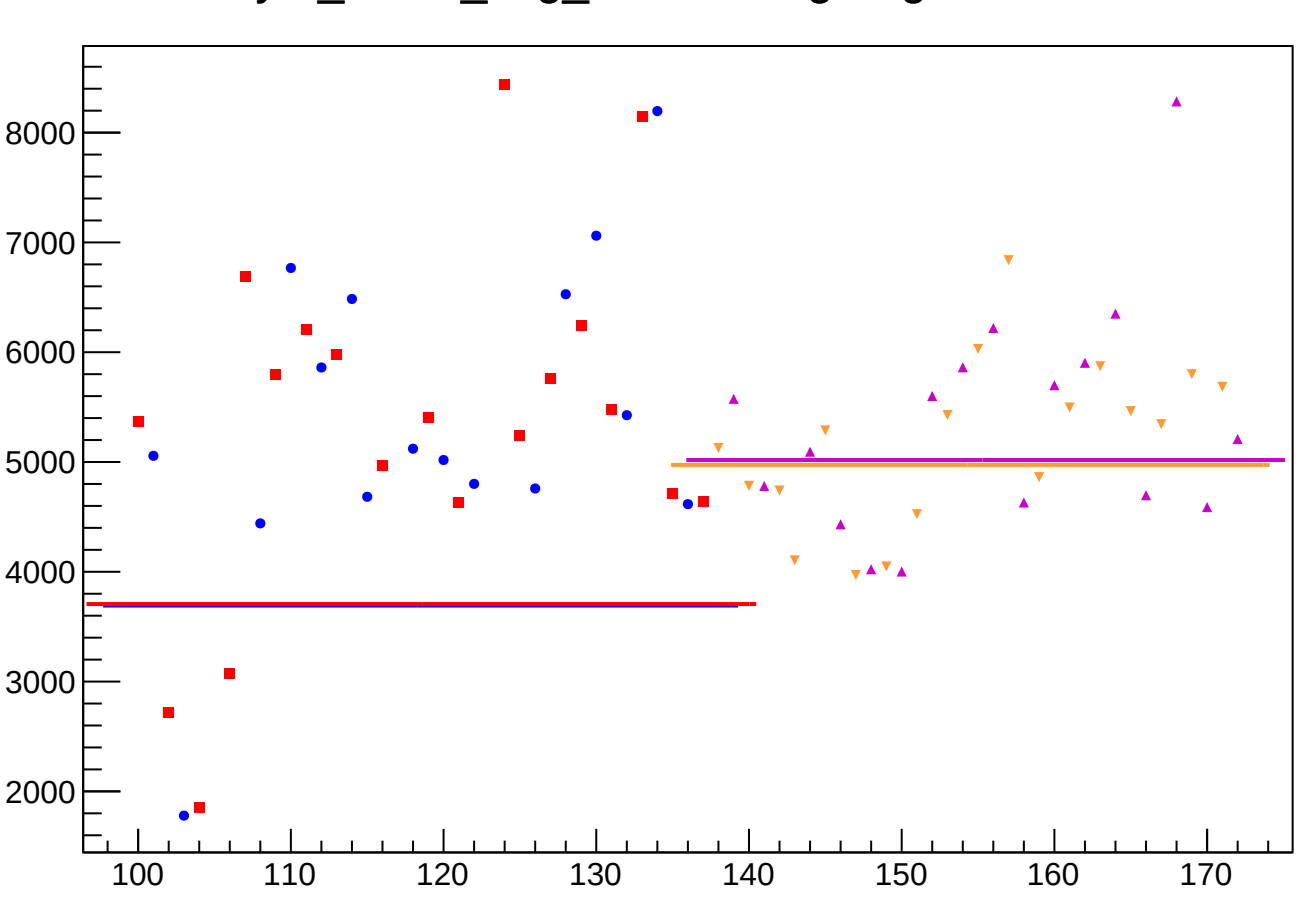
Left: 996.509+/-955.287 χ^2/NDF: 33.1/34

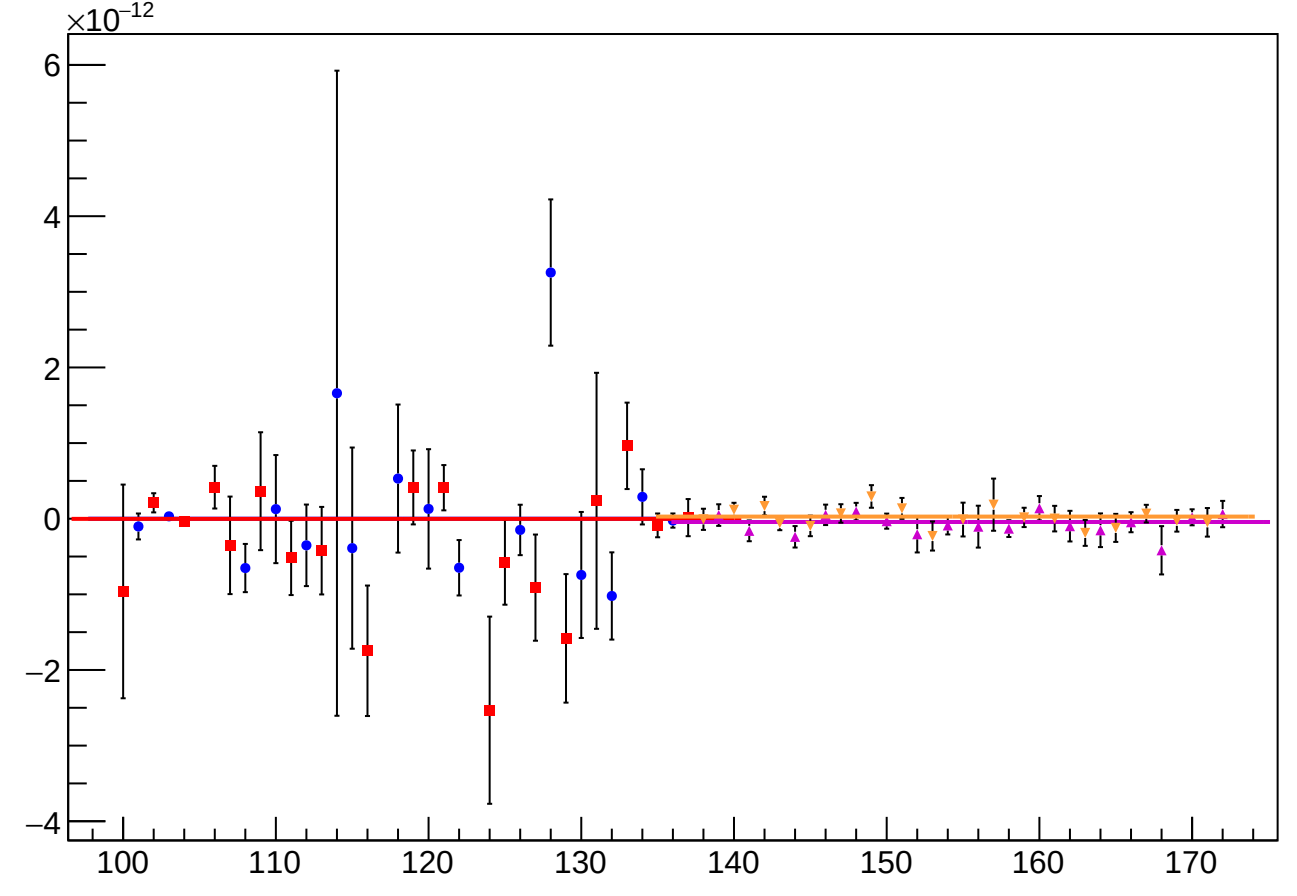
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2561.764+/-1020.297 χ^2/NDF:23.4/32

Out: 1218.939+/-1014.117 χ^2/NDF:38.1/36

All: 1886.273+/-719.264 χ^2/NDF: 62.3/69


asym_atl1r2_avg_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 3692.815+/-1.088 χ²/NDF: 2885658.0/15
Left Out: 4973.658+/-0.947 χ²/NDF:605355.3/17
Right Out: 3706.081+/-1.087 χ²/NDF: 2684528.0/18
Left In: 5017.923+/-0.964 χ²/NDF:800872.3/16
Left: 4995.412+/-0.675 χ²/NDF: 1407300.9/34
Right: 3699.460+/-0.769 χ²/NDF: 5570260.4/34
In: 4435.713+/-0.721 χ²/NDF:4517500.1/32
Out: 4426.299+/-0.714 χ²/NDF:4063152.7/36
All: 4430.957+/-0.507 χ²/NDF: 8580738.9/69



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.6/17

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:9.9/16

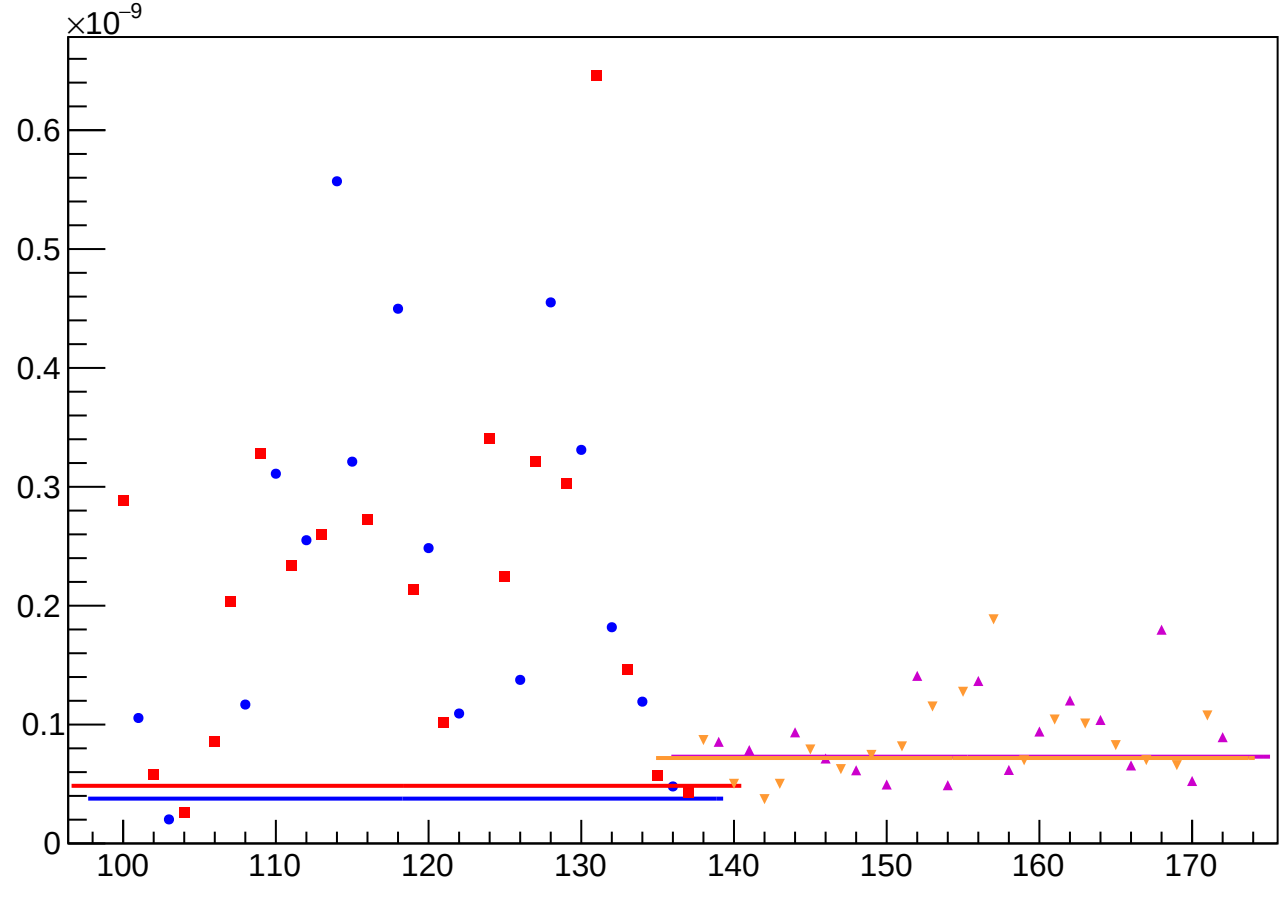
Left: -0.000+/-0.000 χ^2/NDF: 24.7/34

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:41.1/36

All: -0.000+/-0.000 χ^2/NDF: 78.4/69



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1096172.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1060001.9/16

Left: 0.000+/-0.000 χ^2/NDF: 2157297.2/34

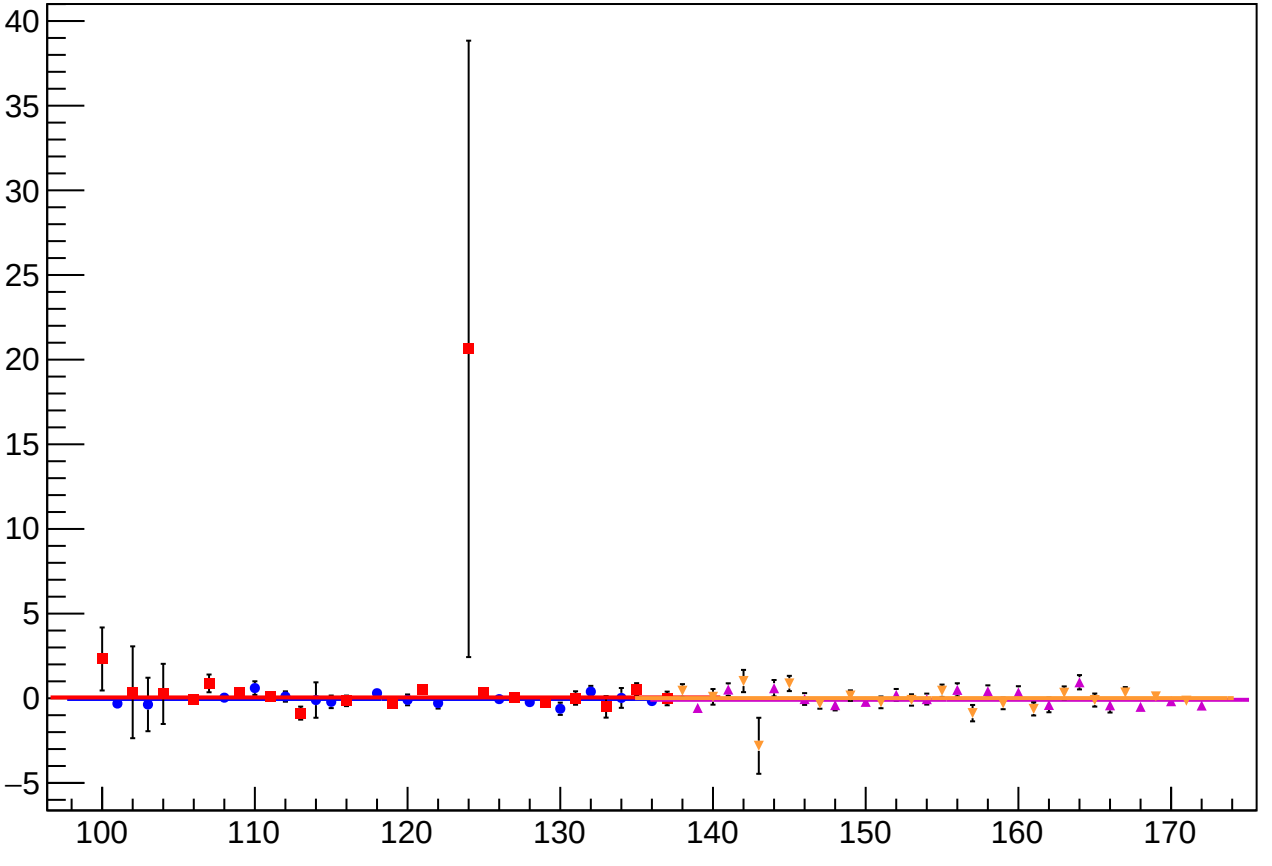
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:5190187.8/32

Out: 0.000+/-0.000 χ^2/NDF:4346063.2/36

All: 0.000+/-0.000 χ^2/NDF: 9621660.7/69

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: 0.009+/-0.082 χ^2/NDF:23.1/17

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: -0.043+/-0.057 χ^2/NDF: 50.8/34

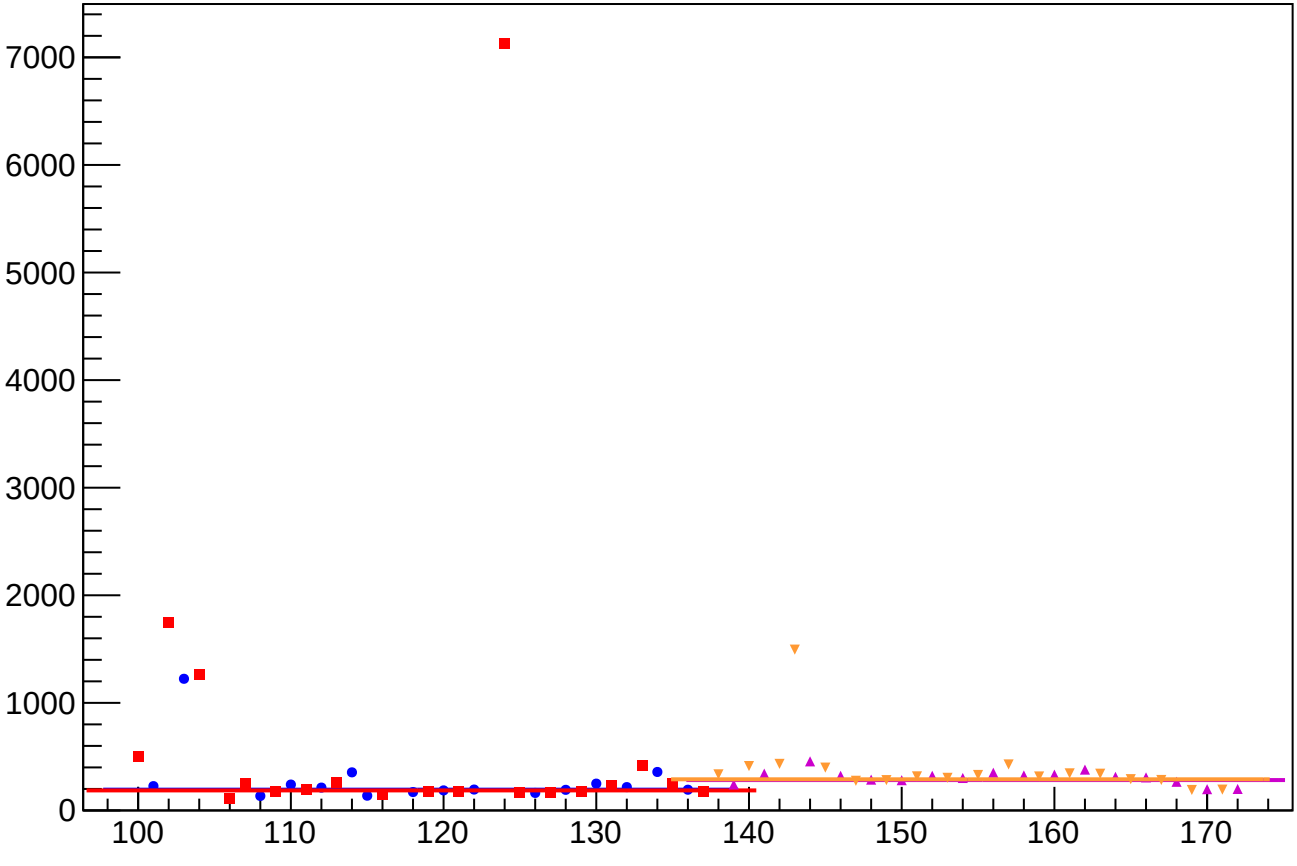
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.066+/-0.055 χ^2/NDF:38.9/32

Out: 0.030+/-0.057 χ^2/NDF:46.2/36

All: -0.019+/-0.040 χ^2/NDF: 86.6/69

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 289.493+/-0.058 χ^2/NDF:2544216.9/17

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: 285.816+/-0.040 χ^2/NDF: 3779575.4/34

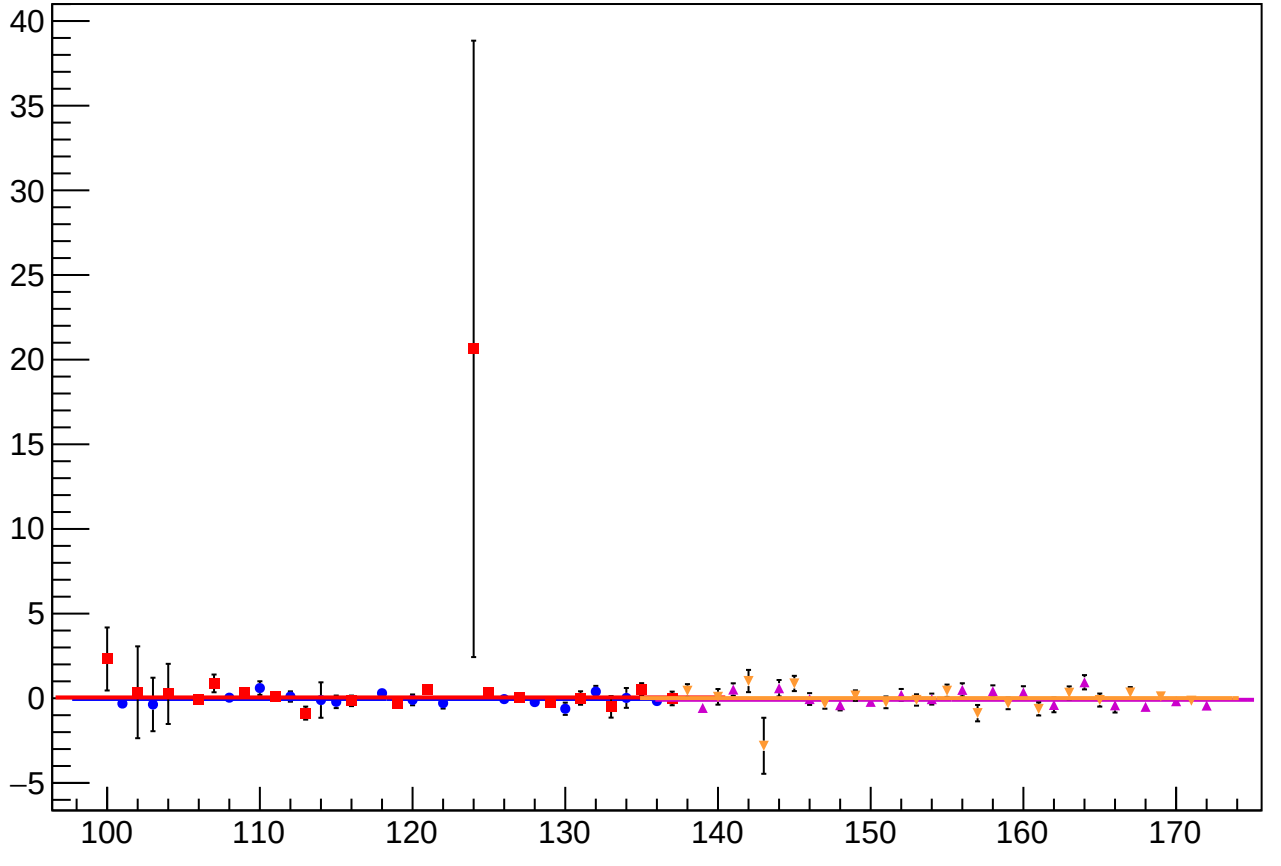
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 237.459+/-0.039 χ^2/NDF:3940255.7/32

Out: 236.064+/-0.040 χ^2/NDF:6673849.3/36

All: 236.780+/-0.028 χ^2/NDF: 10614725.9/69

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: 0.009+/-0.082 χ^2/NDF:23.1/17

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: -0.043+/-0.057 χ^2/NDF: 50.8/34

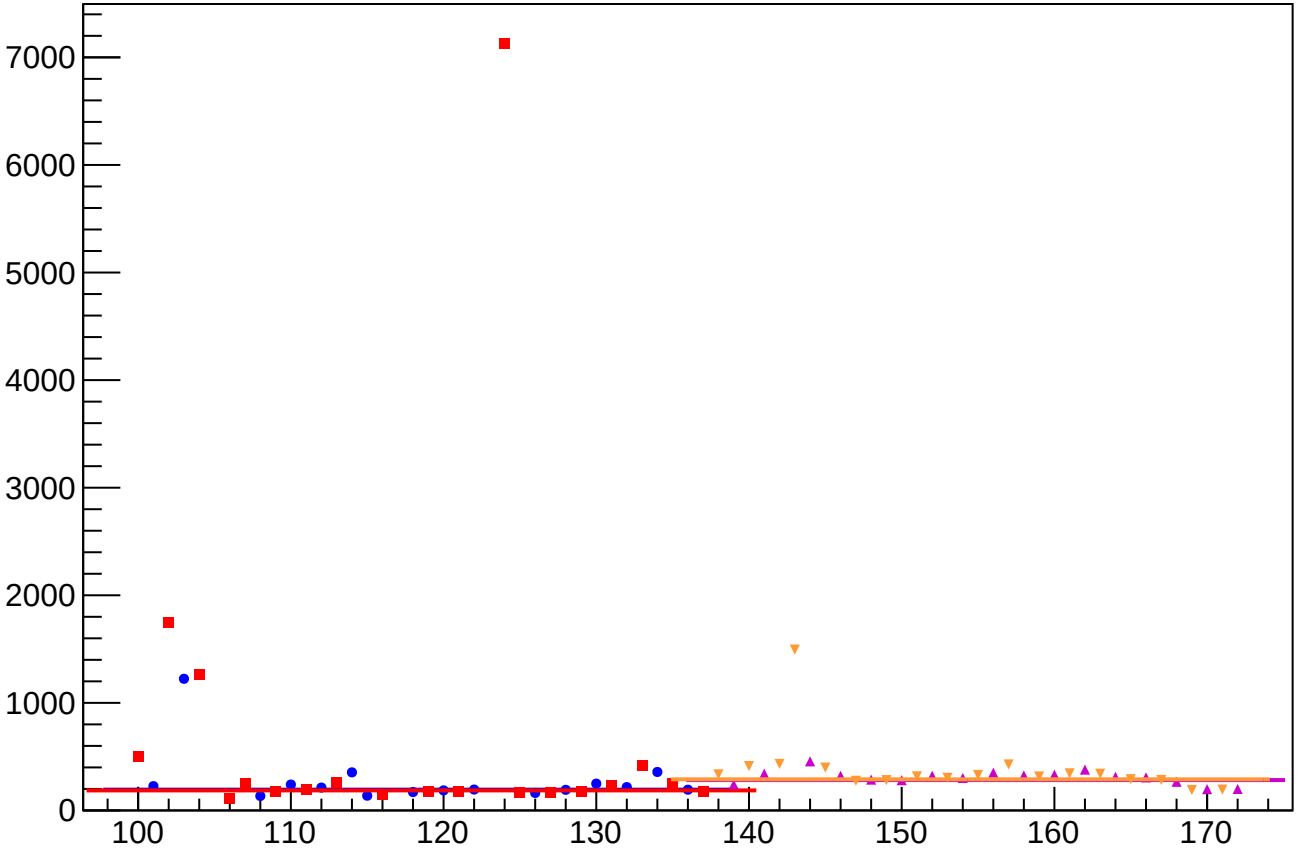
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.066+/-0.055 χ^2/NDF:38.9/32

Out: 0.030+/-0.057 χ^2/NDF:46.2/36

All: -0.019+/-0.040 χ^2/NDF: 86.6/69

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 289.493+/-0.058 χ^2/NDF:2544216.9/17

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 282.428+/-0.055 χ^2/NDF:1227575.0/16

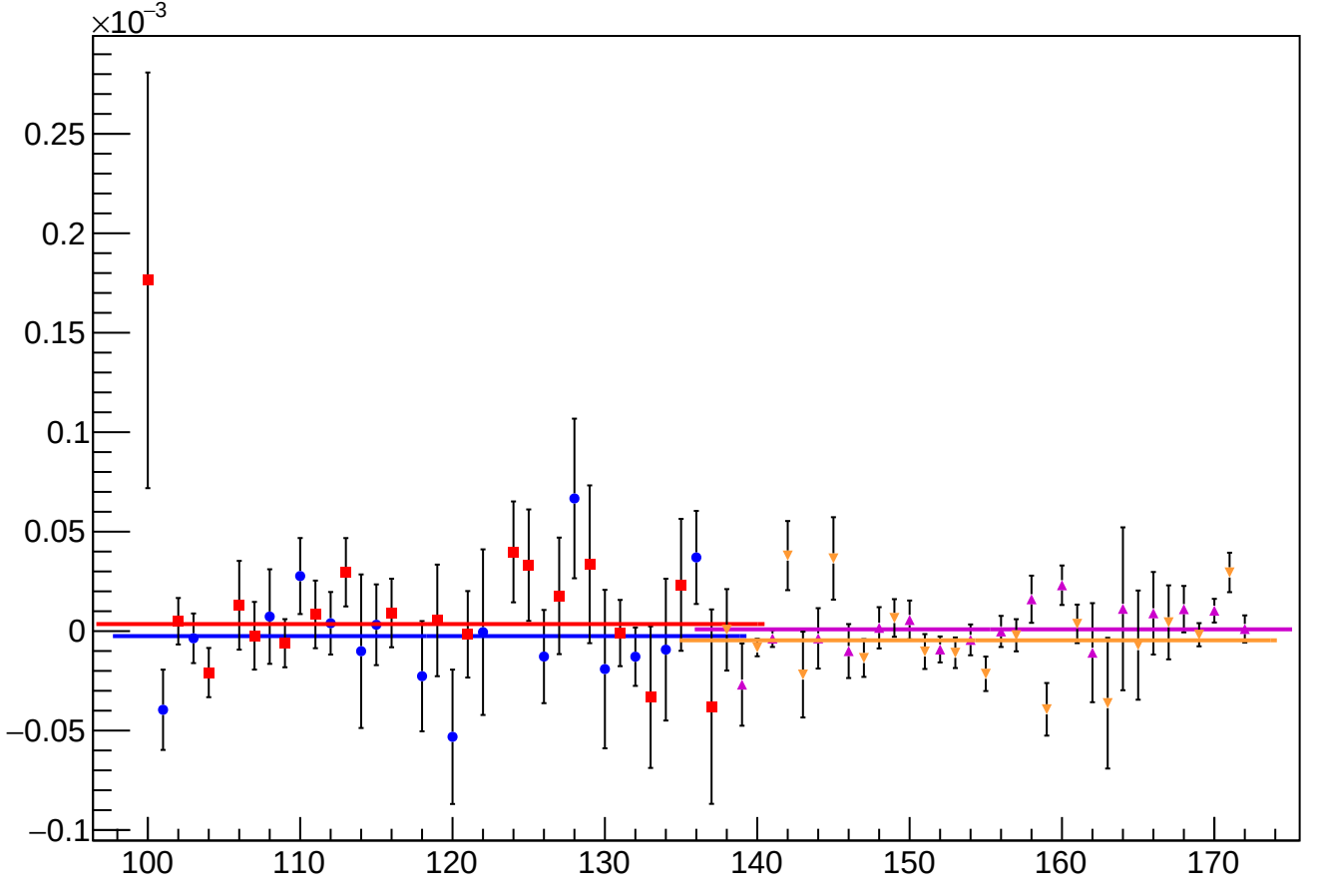
Left: 285.816+/-0.040 χ^2/NDF: 3779575.4/34

Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 237.459+/-0.039 χ^2/NDF:3940255.7/32

Out: 236.064+/-0.040 χ^2/NDF:6673849.3/36

All: 236.780+/-0.028 χ^2/NDF: 10614725.9/69



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:17.1/16

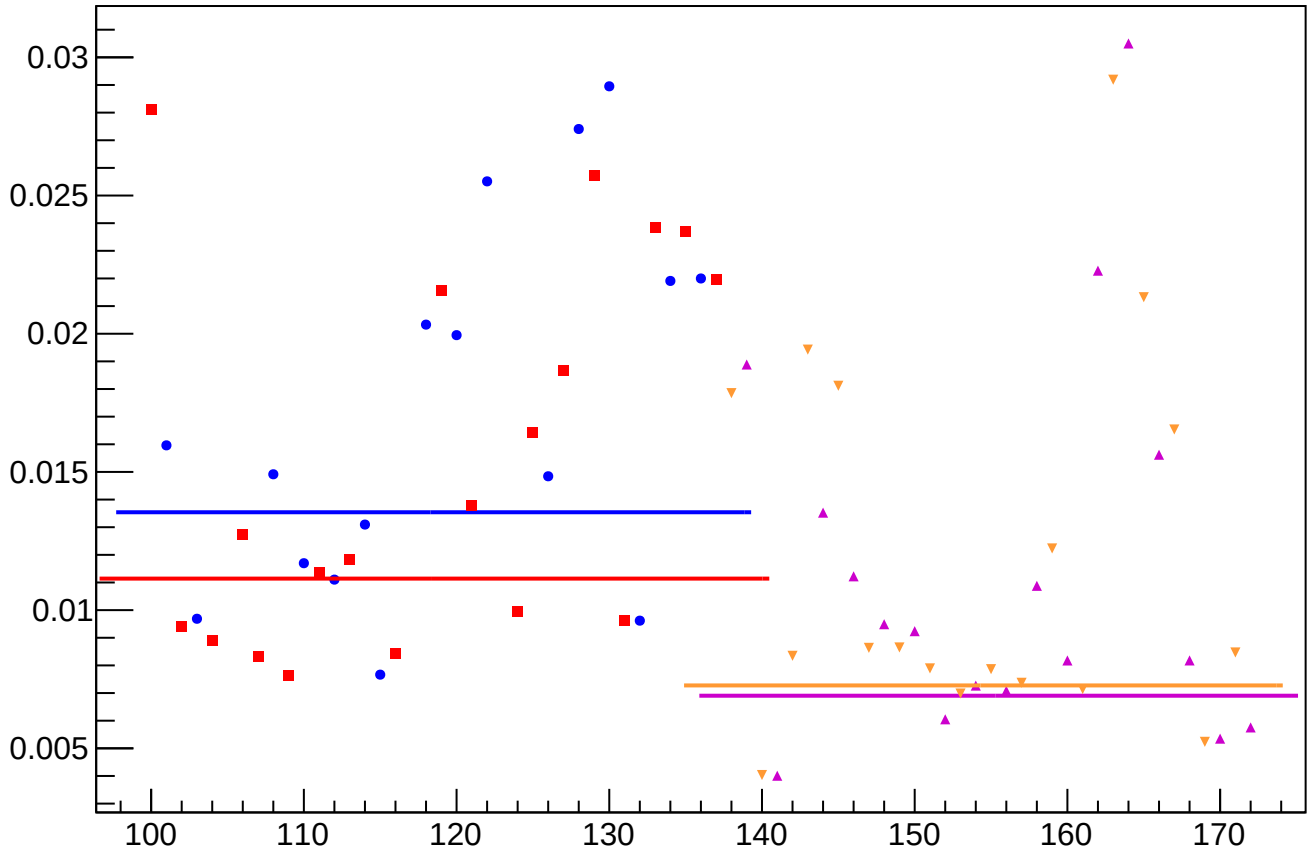
Left: -0.000+/-0.000 χ^2/NDF: 59.8/34

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:58.4/36

All: -0.000+/-0.000 χ^2/NDF: 93.2/69



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:5380491.6/17

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: 10119552.3/34

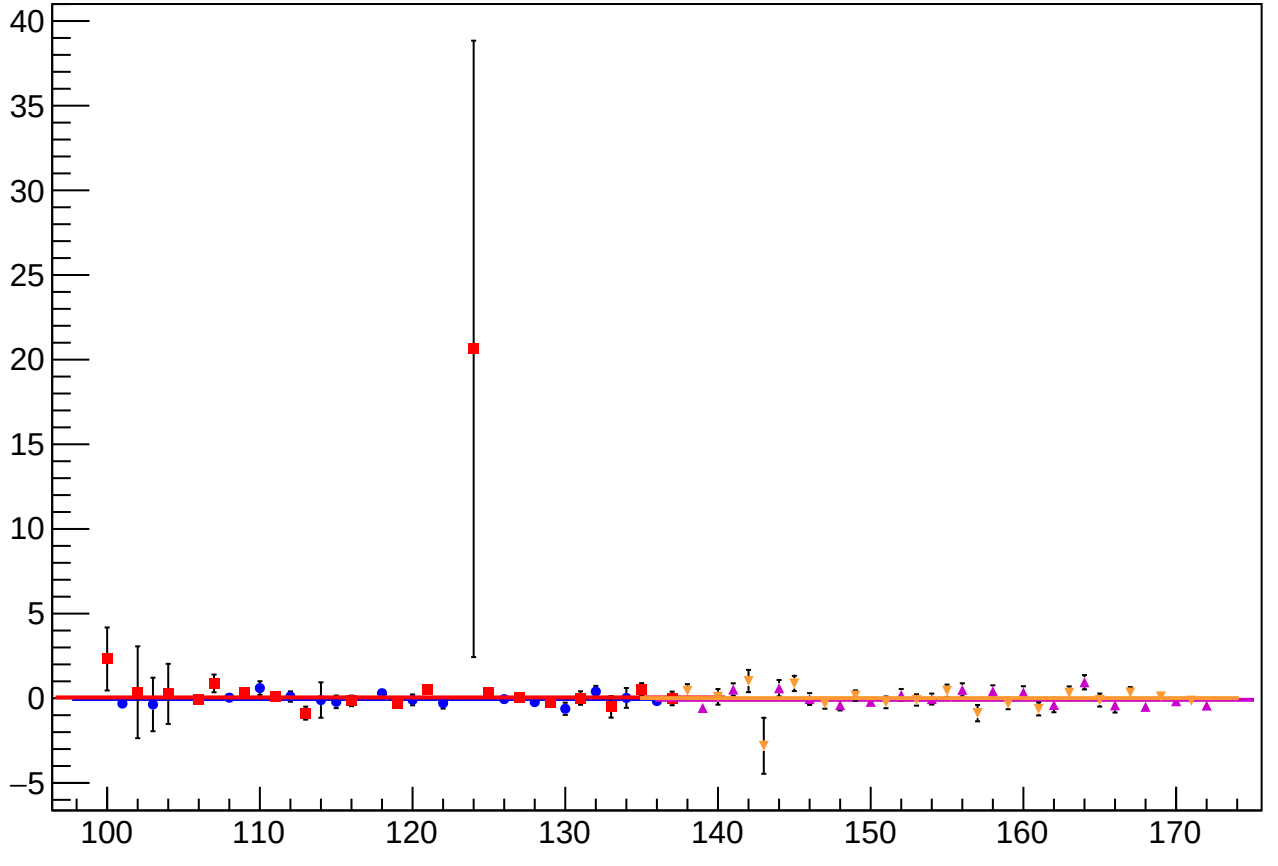
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:9161203.8/32

Out: 0.008+/-0.000 χ^2/NDF:8471482.2/36

All: 0.008+/-0.000 χ^2/NDF: 17650374.6/69

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: 0.009+/-0.082 χ^2/NDF:23.1/17

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: -0.043+/-0.057 χ^2/NDF: 50.8/34

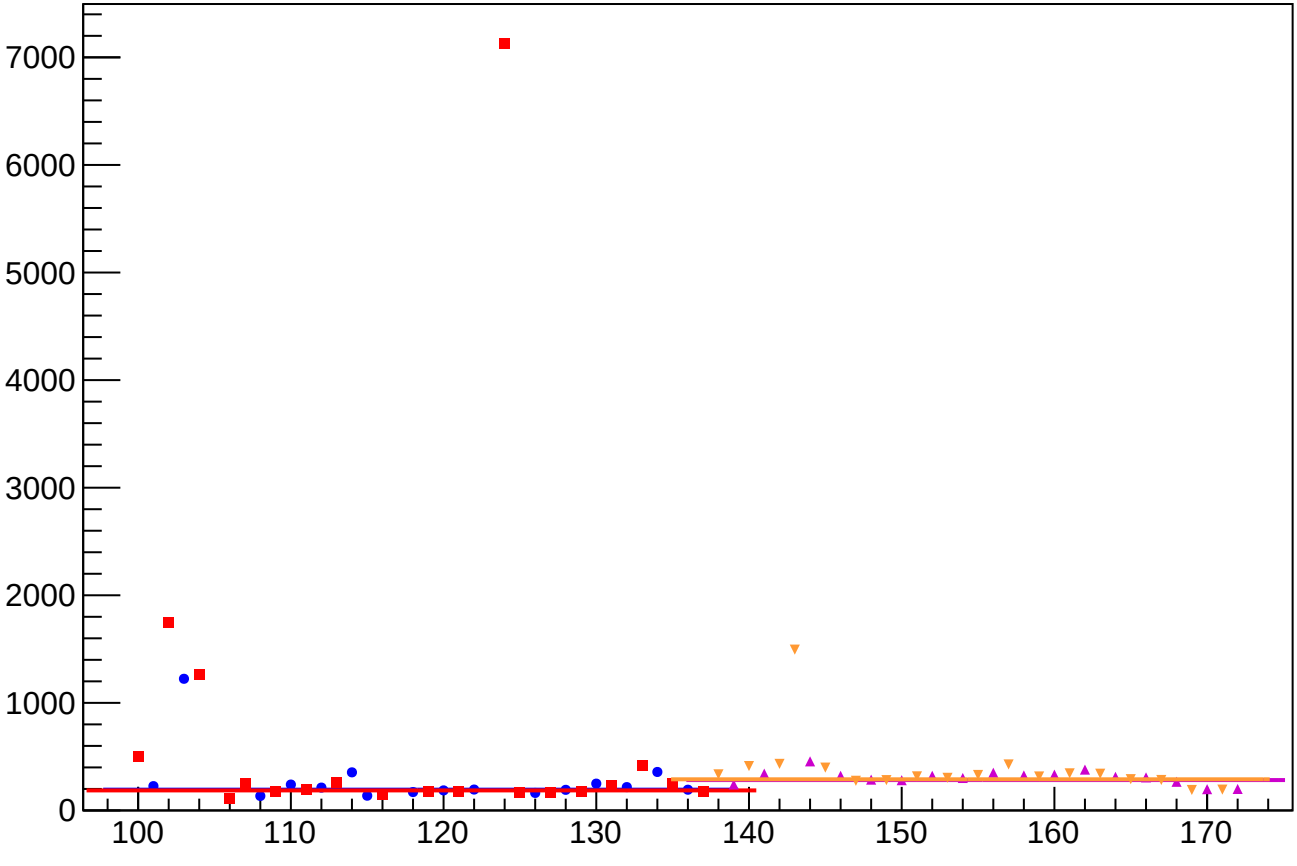
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.066+/-0.055 χ^2/NDF:38.9/32

Out: 0.030+/-0.057 χ^2/NDF:46.2/36

All: -0.019+/-0.040 χ^2/NDF: 86.6/69

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: 289.496+/-0.058 χ^2/NDF:2544287.1/17

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: 285.819+/-0.040 χ^2/NDF: 3779682.6/34

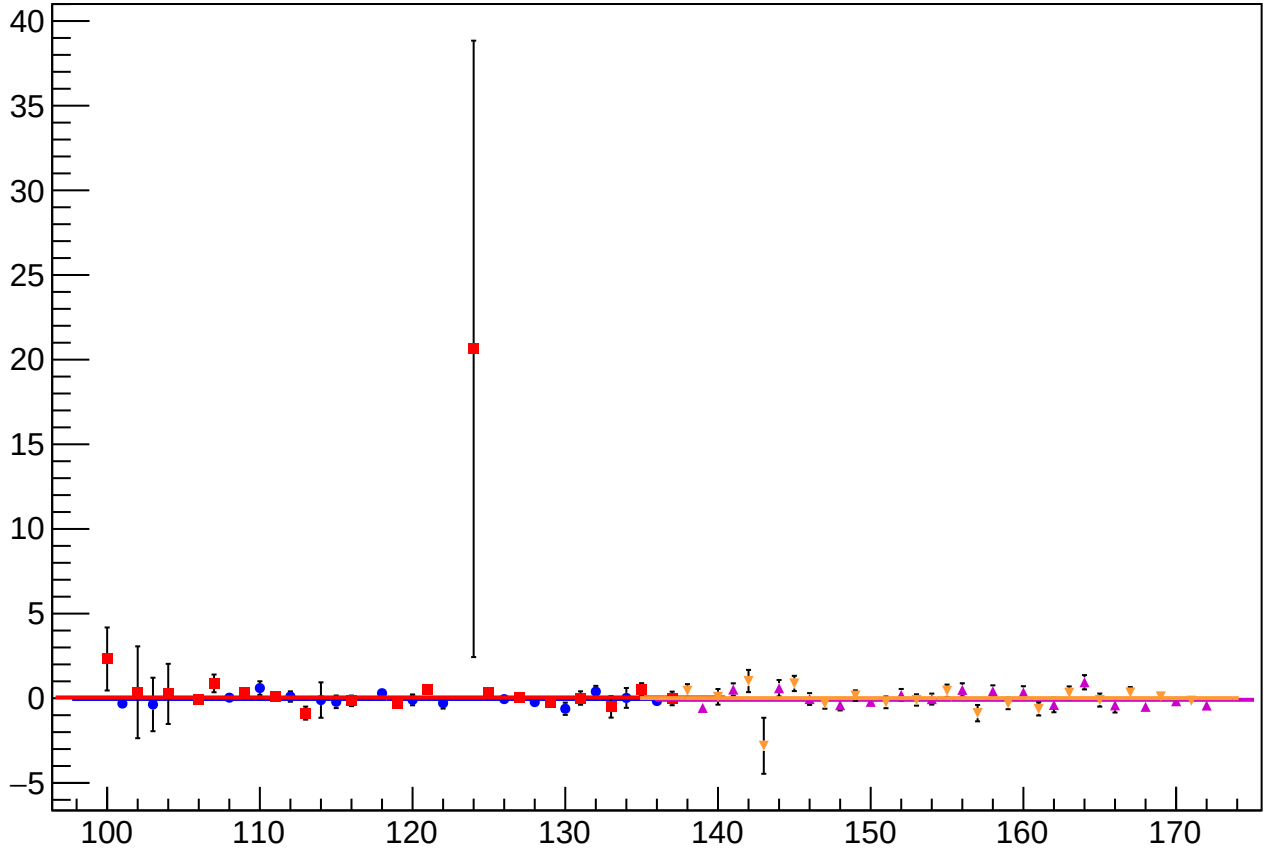
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 237.459+/-0.039 χ^2/NDF:3940421.8/32

Out: 236.063+/-0.040 χ^2/NDF:6674099.6/36

All: 236.780+/-0.028 χ^2/NDF: 10615143.2/69

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: 0.009+/-0.082 χ^2/NDF:23.1/17

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: -0.043+/-0.057 χ^2/NDF: 50.8/34

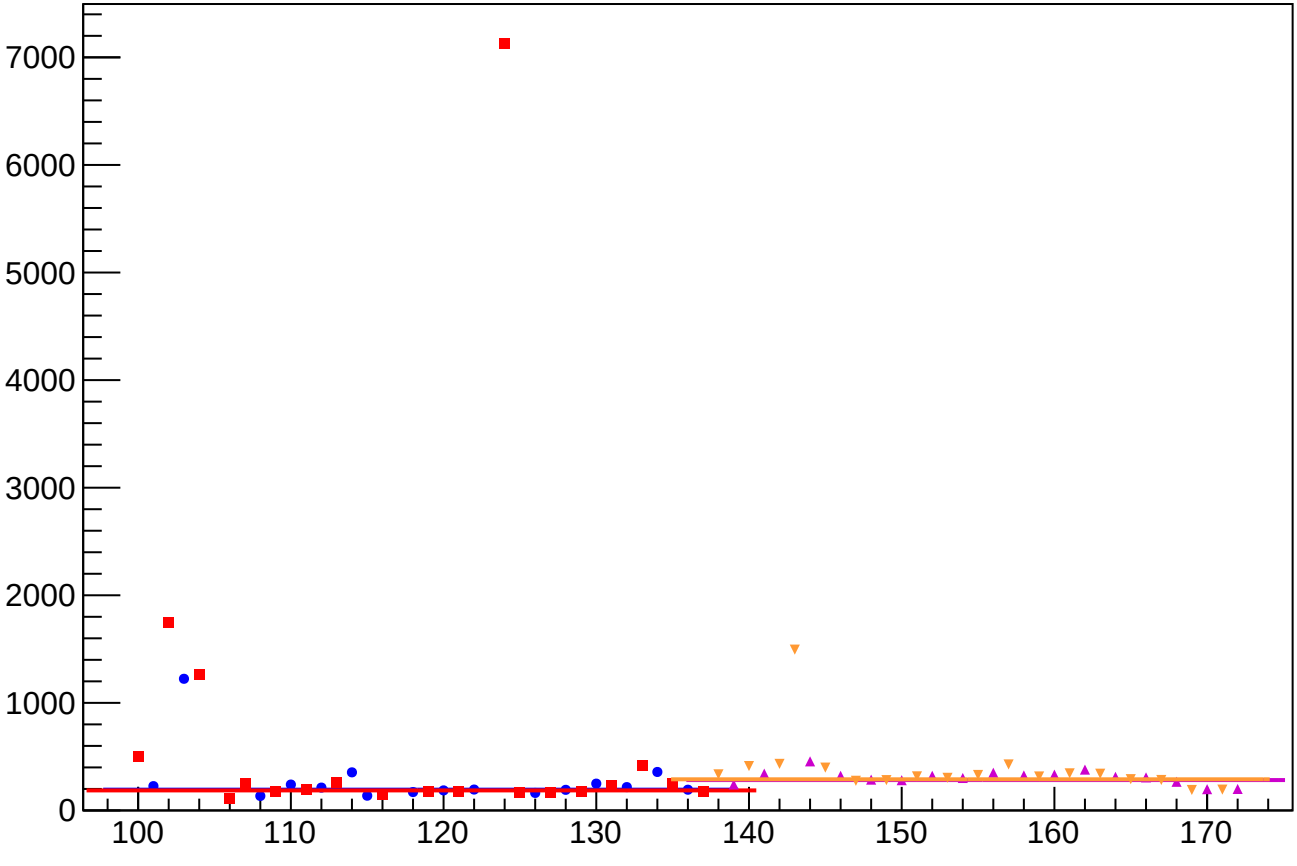
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.066+/-0.055 χ^2/NDF:38.9/32

Out: 0.030+/-0.057 χ^2/NDF:46.2/36

All: -0.019+/-0.040 χ^2/NDF: 86.6/69

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: 289.496+/-0.058 χ^2/NDF:2544287.1/17

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 282.431+/-0.055 χ^2/NDF:1227613.9/16

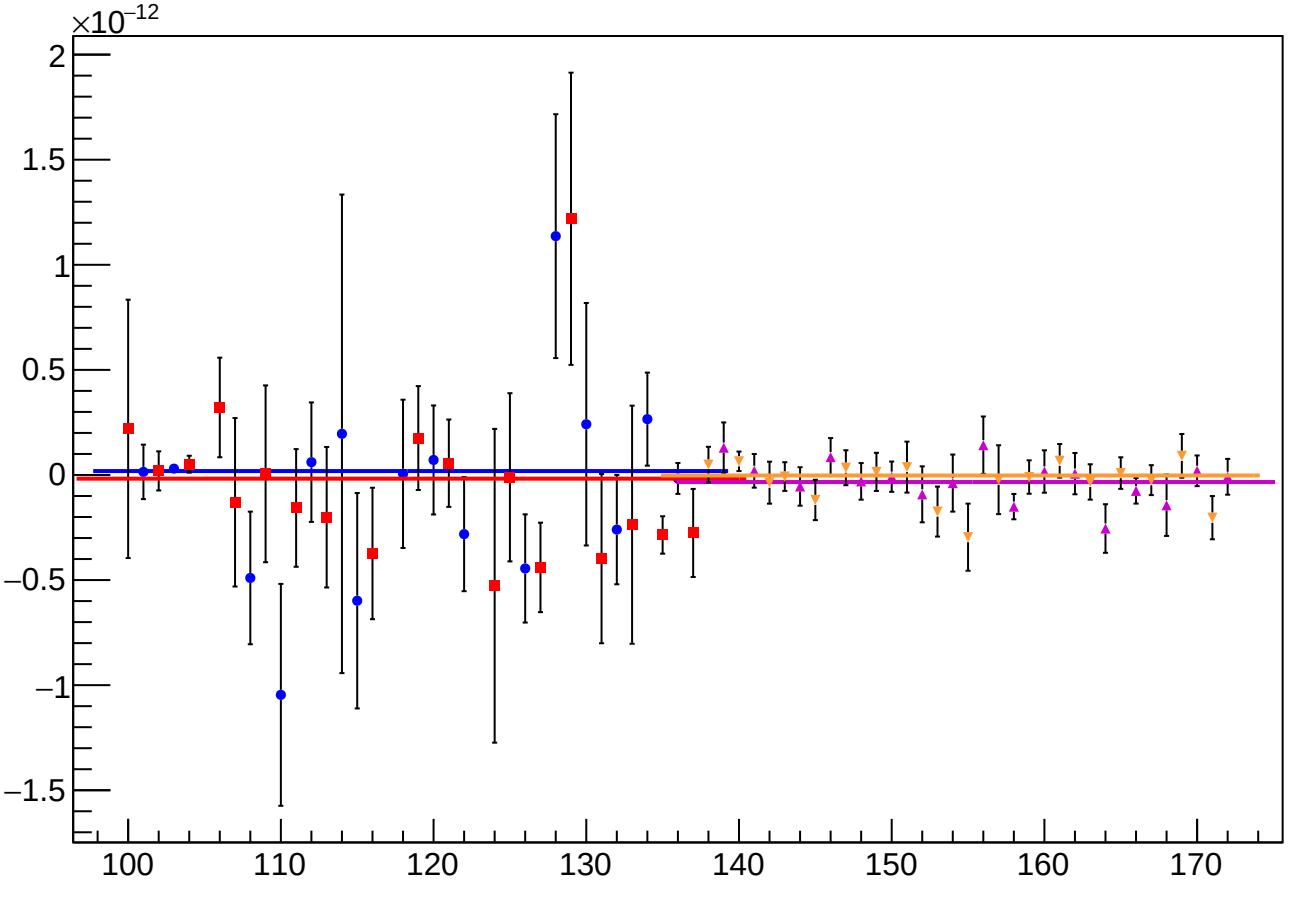
Left: 285.819+/-0.040 χ^2/NDF: 3779682.6/34

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 237.459+/-0.039 χ^2/NDF:3940421.8/32

Out: 236.063+/-0.040 χ^2/NDF:6674099.6/36

All: 236.780+/-0.028 χ^2/NDF: 10615143.2/69



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.5/17

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:15.6/16

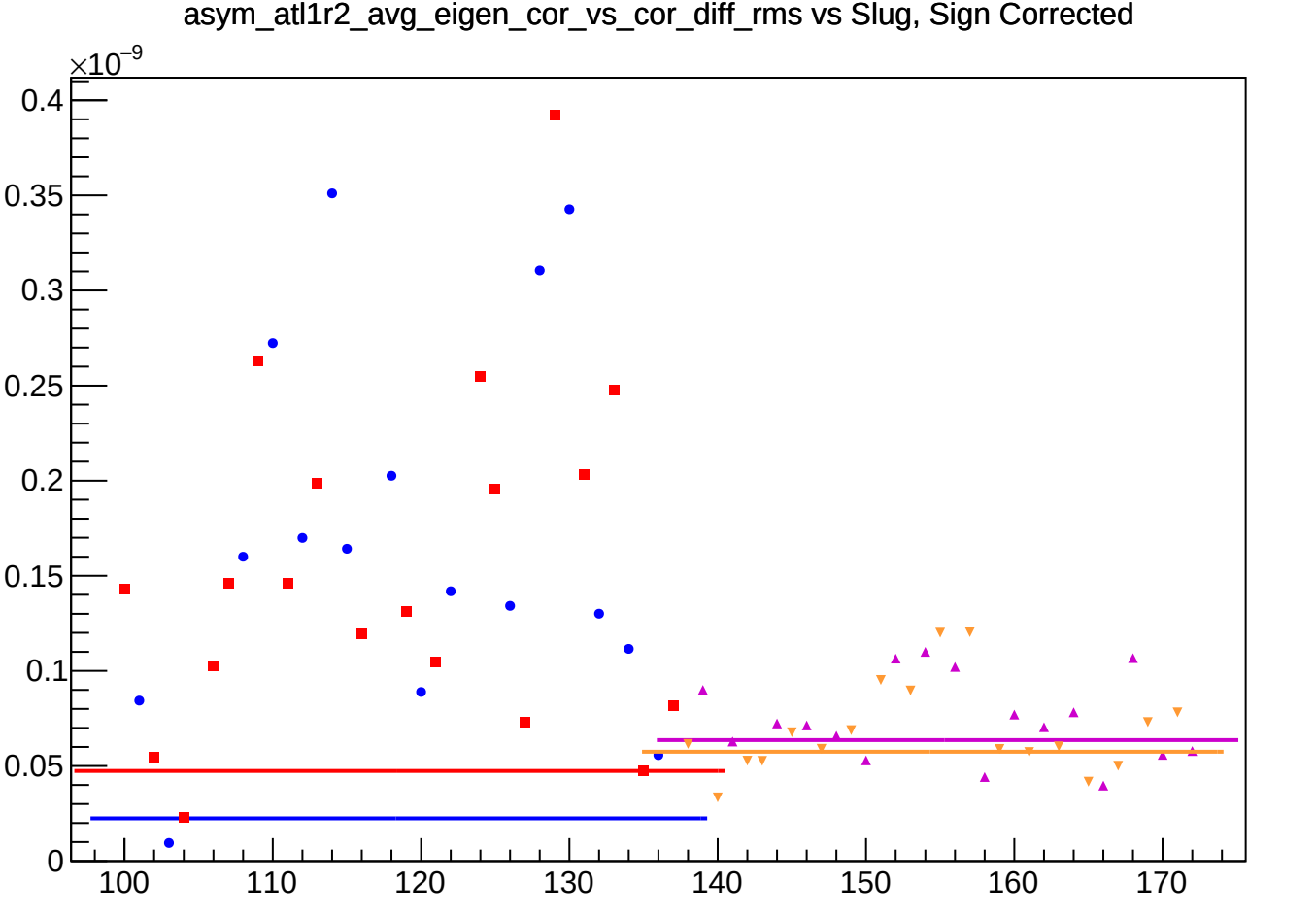
Left: -0.000+/-0.000 χ^2/NDF: 32.2/34

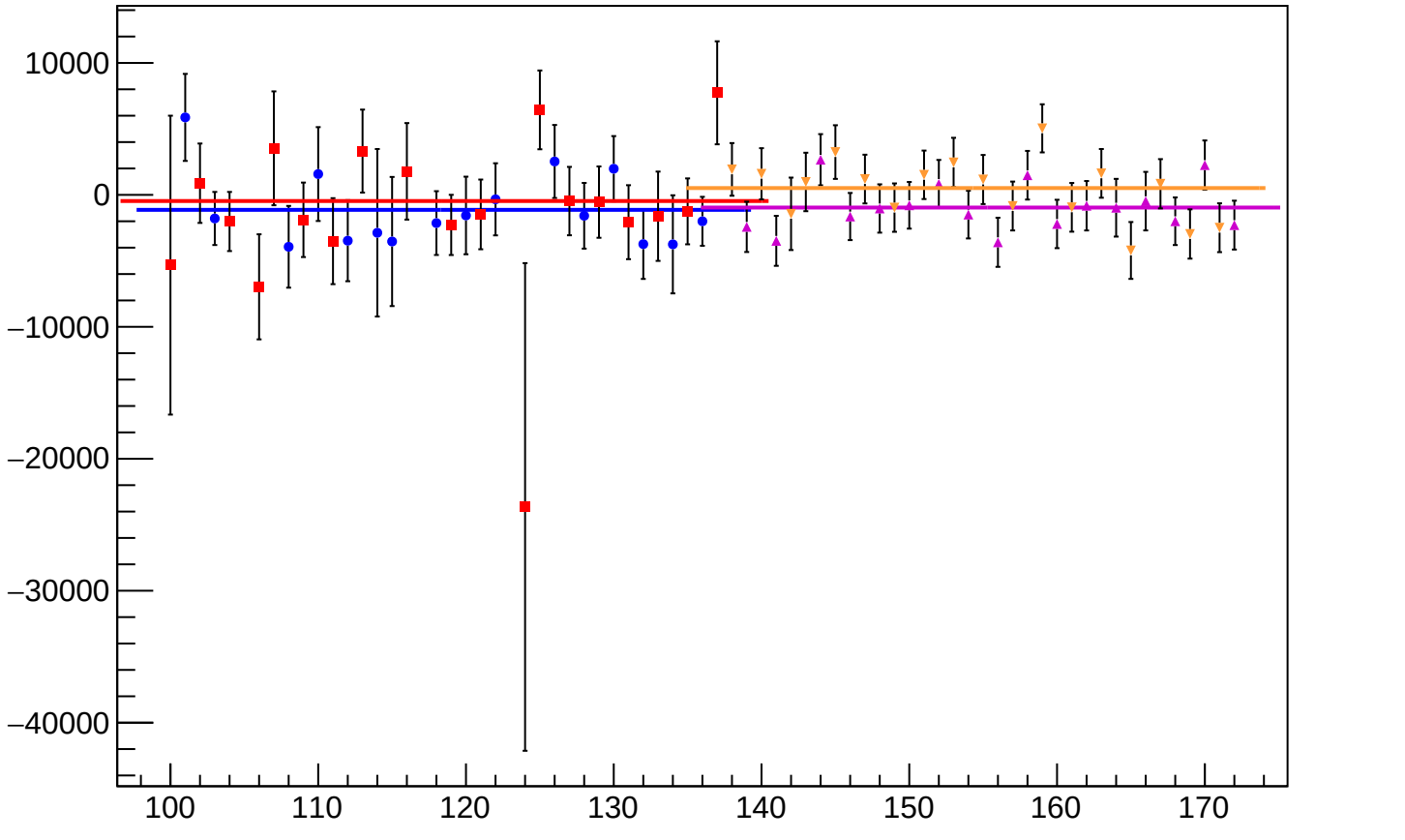
Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: -0.000+/-0.000 χ^2/NDF:38.0/32

Out: -0.000+/-0.000 χ^2/NDF:42.8/36

All: -0.000+/-0.000 χ^2/NDF: 80.9/69


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:1790481.2/17
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: 3452885.8/34
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:6175421.2/36
All: 0.000+/-0.000 χ²/NDF: 18591089.1/69



Right In: -1134.630+/-693.782 χ^2/NDF: 12.2/15

Left Out: 516.410+/-455.538 χ^2/NDF:24.1/17

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: -222.650+/-322.062 χ^2/NDF: 44.5/34

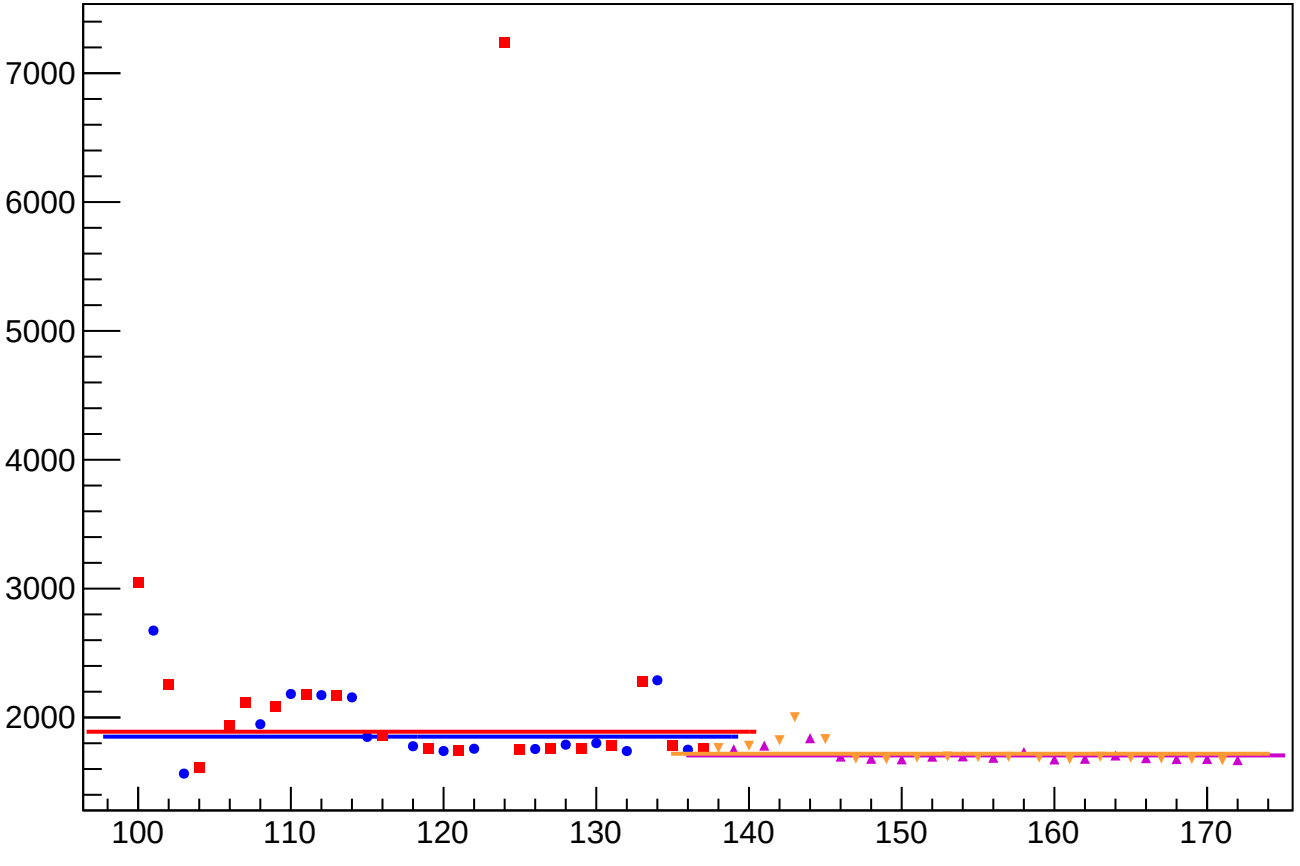
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -1013.447+/-380.705 χ^2/NDF:27.5/32

Out: 227.729+/-382.762 χ^2/NDF:45.5/36

All: -396.203+/-269.923 χ^2/NDF: 78.2/69

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1718.576+/-0.322 χ^2/NDF:53879.7/17

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1705.499+/-0.322 χ^2/NDF:18582.7/16

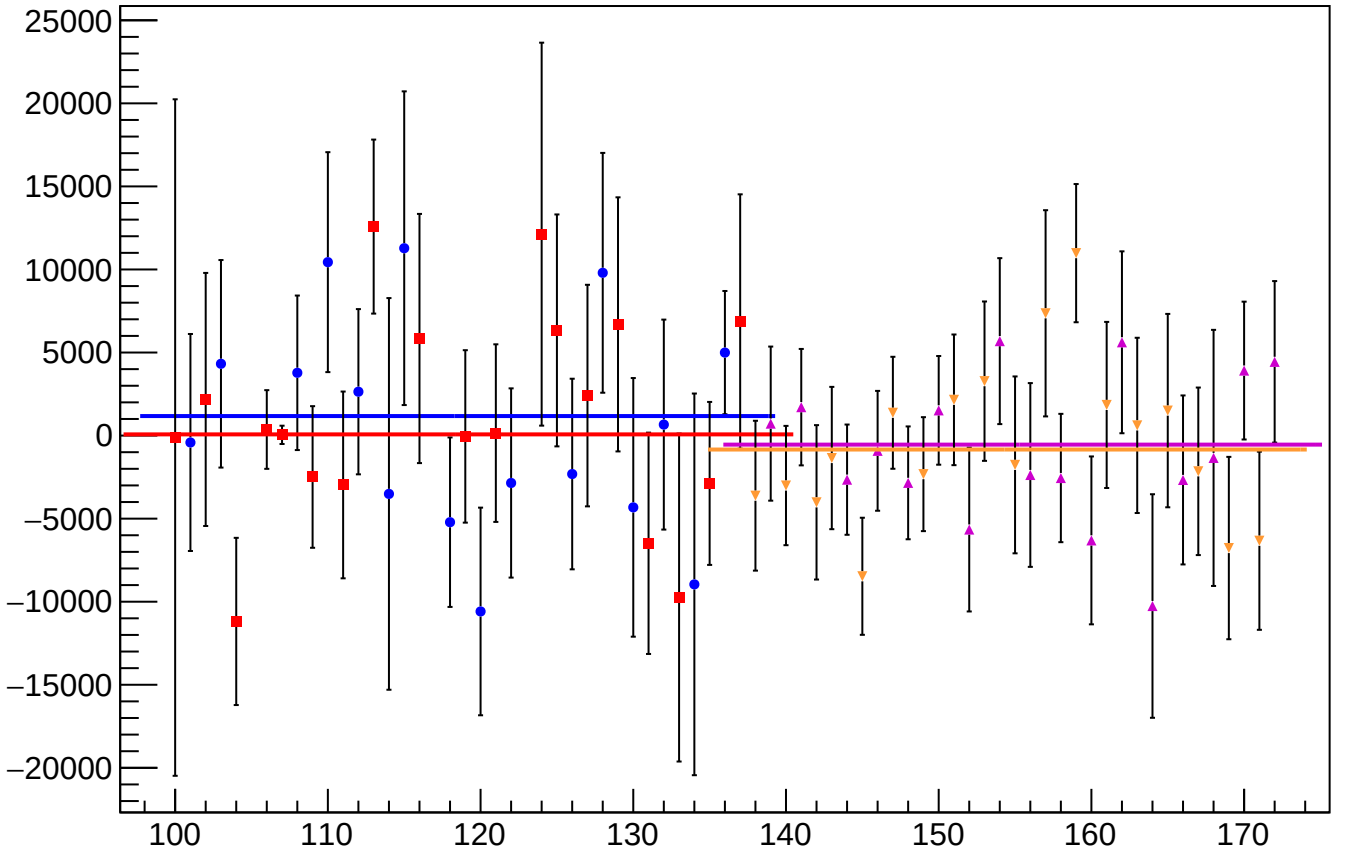
Left: 1712.036+/-0.228 χ^2/NDF: 73286.7/34

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1749.351+/-0.269 χ^2/NDF:340152.6/32

Out: 1769.000+/-0.270 χ^2/NDF:495860.4/36

All: 1759.129+/-0.191 χ^2/NDF: 838664.2/69



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -839.641+/-1042.009 χ^2/NDF:20.5/17

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: -543.937+/-1049.945 χ^2/NDF:11.8/16

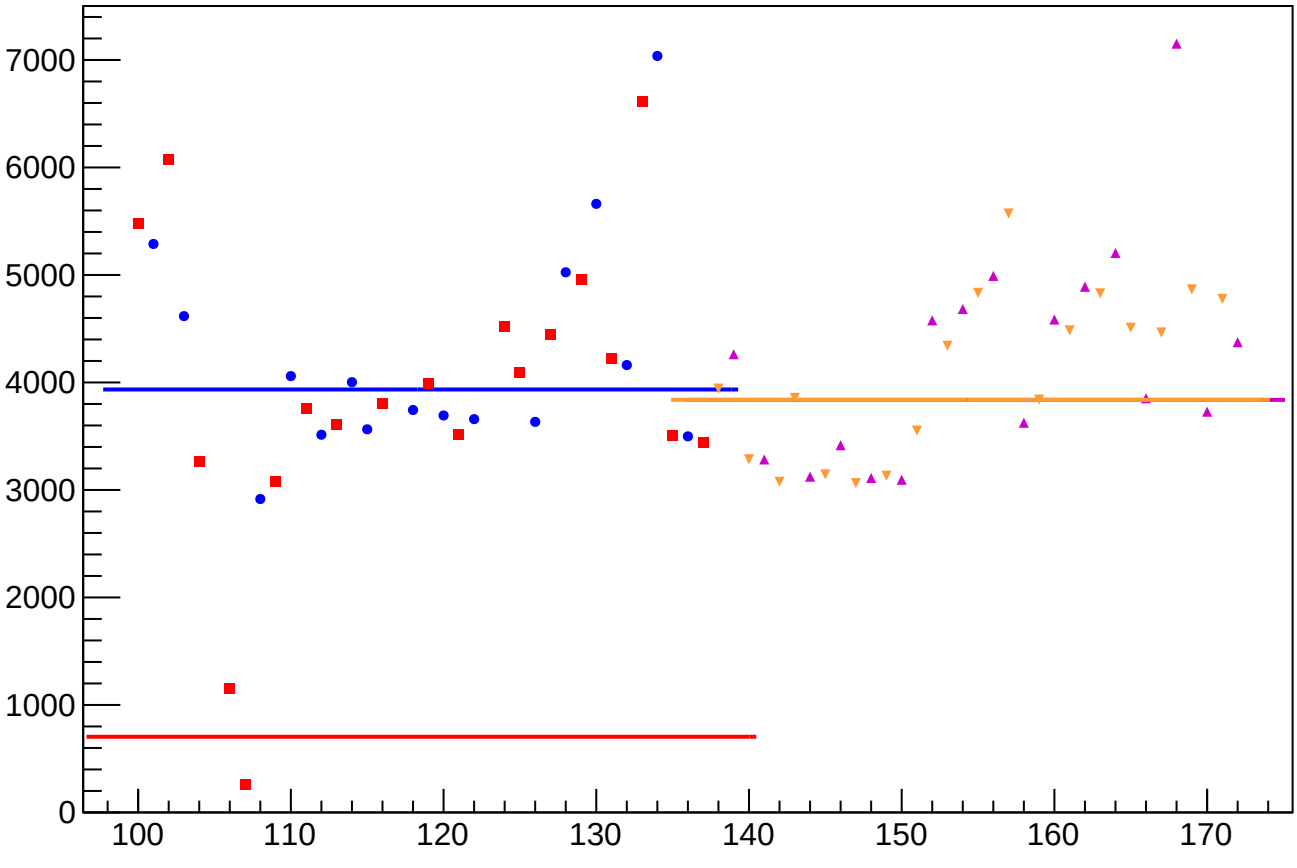
Left: -692.911+/-739.602 χ^2/NDF: 32.4/34

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 20.377+/-860.564 χ^2/NDF:26.4/32

Out: -101.231+/-454.948 χ^2/NDF:39.1/36

All: -74.667+/-402.202 χ^2/NDF: 65.5/69



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3838.497+/-0.737 χ^2/NDF:921708.5/17

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: 3838.255+/-0.523 χ^2/NDF: 2094121.3/34

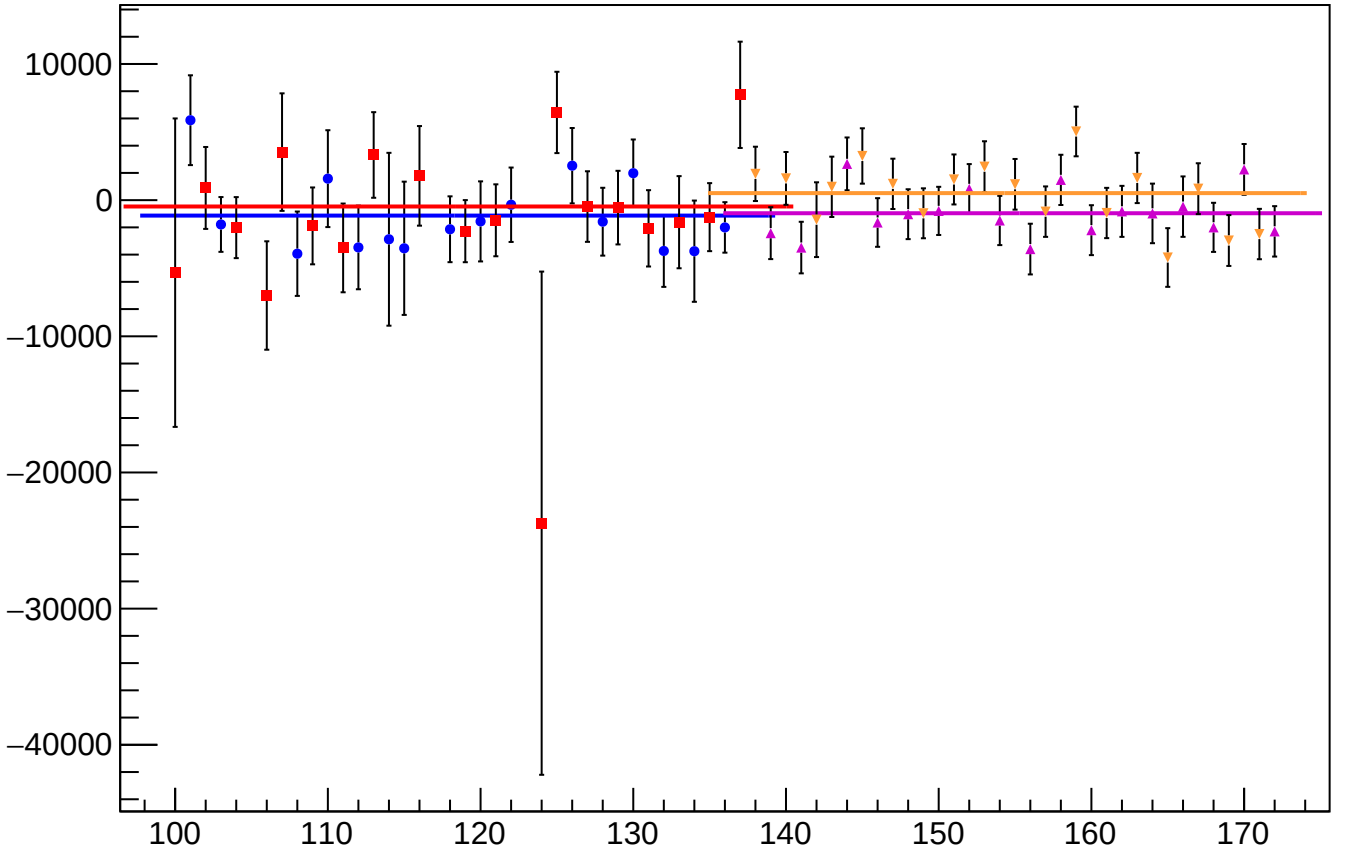
Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3869.750+/-0.609 χ^2/NDF:1738107.3/32

Out: 1301.826+/-0.322 χ^2/NDF:26184540.4/36

All: 1862.751+/-0.284 χ^2/NDF: 41841156.9/6

cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 516.513+/-455.538 χ^2/NDF:24.1/17

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -961.174+/-455.392 χ^2/NDF:15.2/16

Left: -222.568+/-322.062 χ^2/NDF: 44.5/34

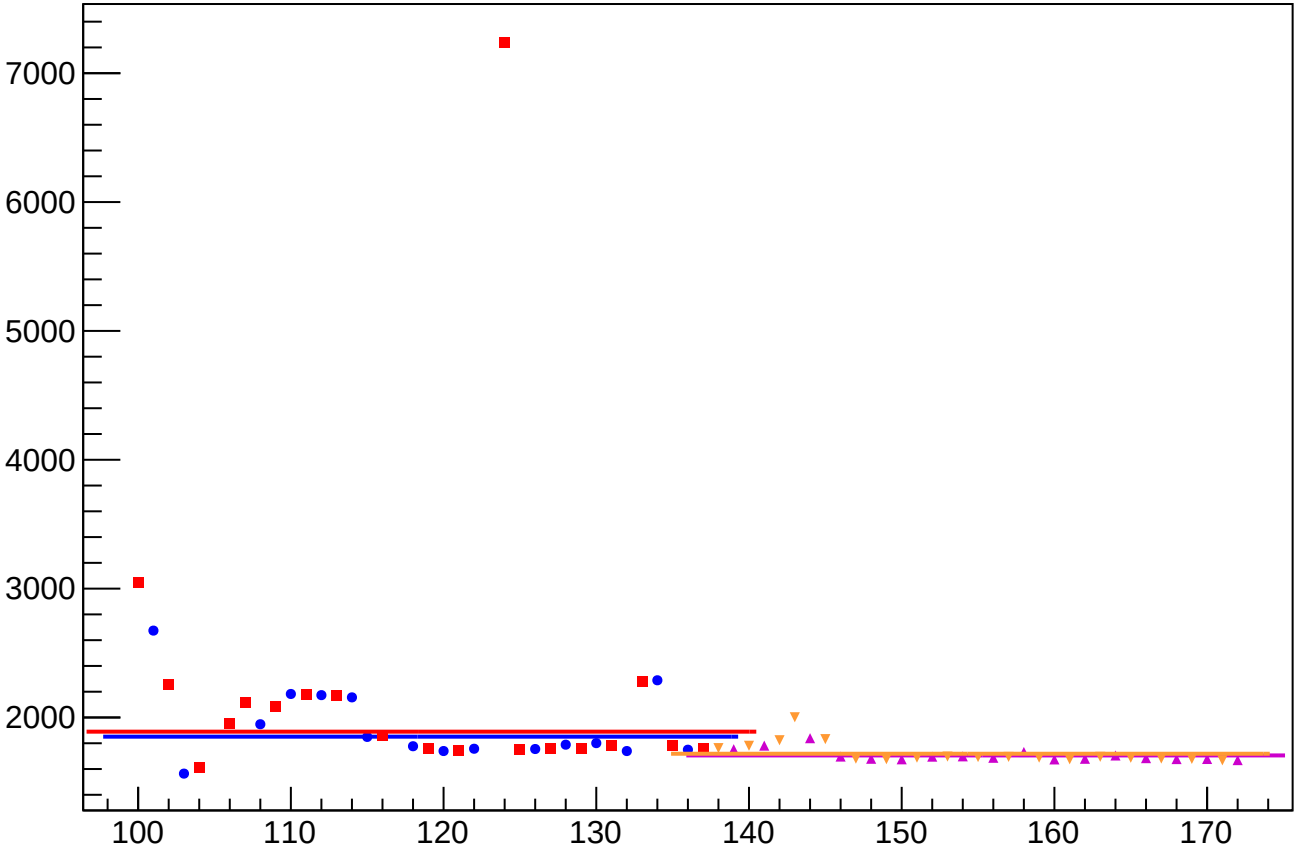
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -1013.275+/-380.705 χ^2/NDF:27.5/32

Out: 227.690+/-382.762 χ^2/NDF:45.5/36

All: -396.136+/-269.923 χ^2/NDF: 78.3/69

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1718.576+/-0.322 χ^2/NDF:53879.7/17

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1705.499+/-0.322 χ^2/NDF:18582.7/16

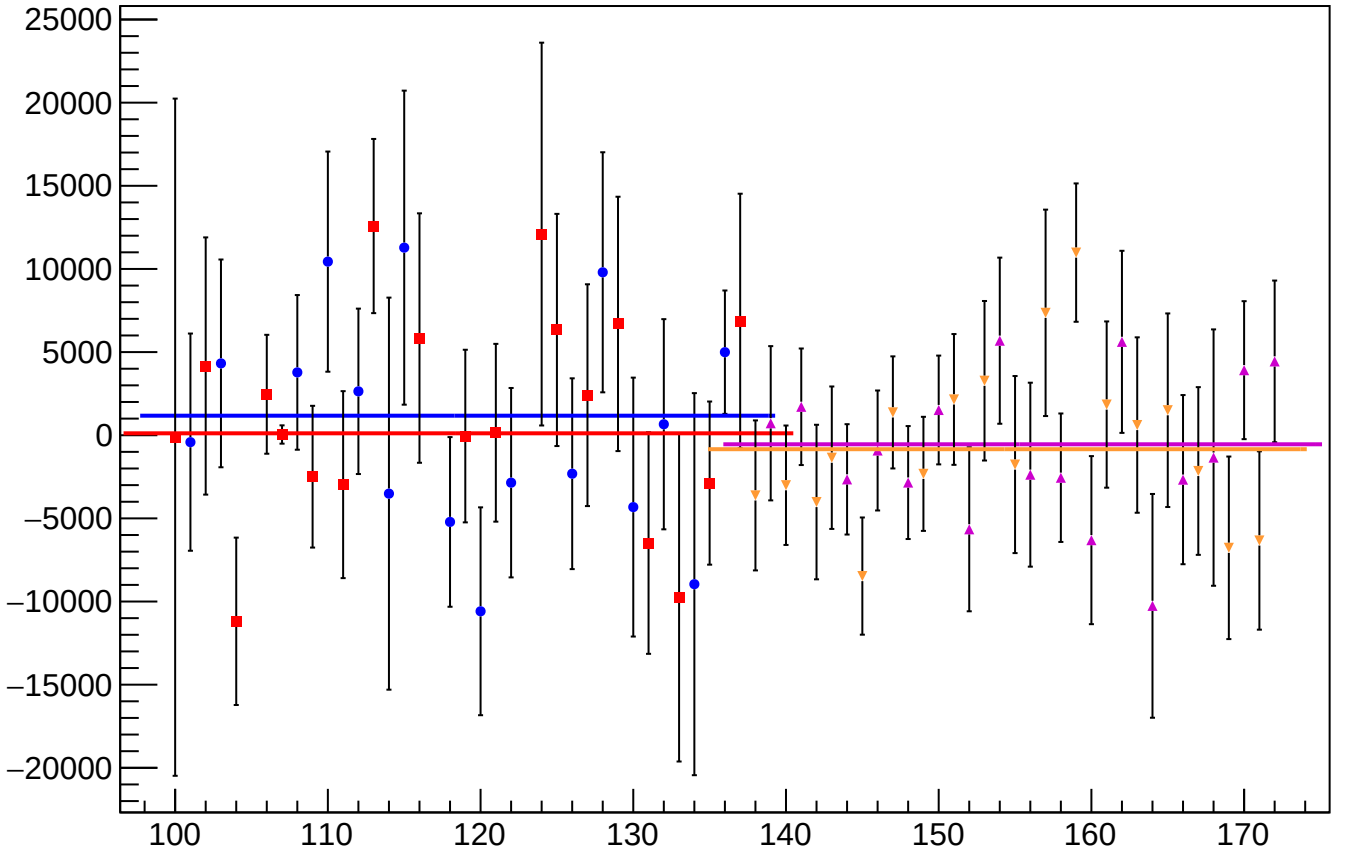
Left: 1712.036+/-0.228 χ^2/NDF: 73286.7/34

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1749.351+/-0.269 χ^2/NDF:340152.1/32

Out: 1769.119+/-0.270 χ^2/NDF:496499.3/36

All: 1759.188+/-0.191 χ^2/NDF: 839334.6/69



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -839.629+/-1042.007 χ^2/NDF:20.5/17

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -543.921+/-1049.945 χ^2/NDF:11.8/16

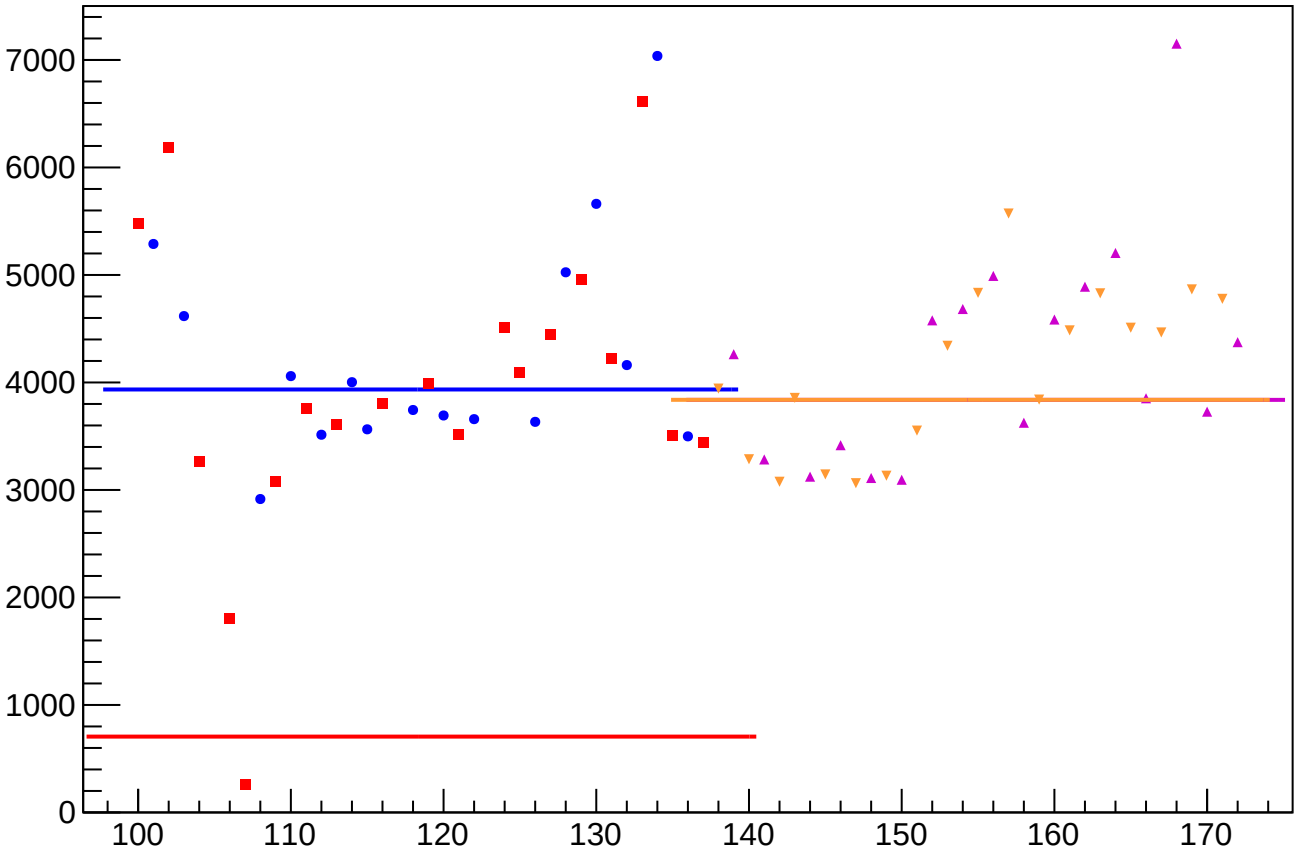
Left: -692.897+/-739.600 χ^2/NDF: 32.4/34

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 20.377+/-860.565 χ^2/NDF:26.4/32

Out: -70.087+/-459.733 χ^2/NDF:39.7/36

All: -50.001+/-405.497 χ^2/NDF: 66.2/69



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3838.486+/-0.737 χ^2/NDF:921716.2/17

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3838.008+/-0.742 χ^2/NDF:1172398.6/16

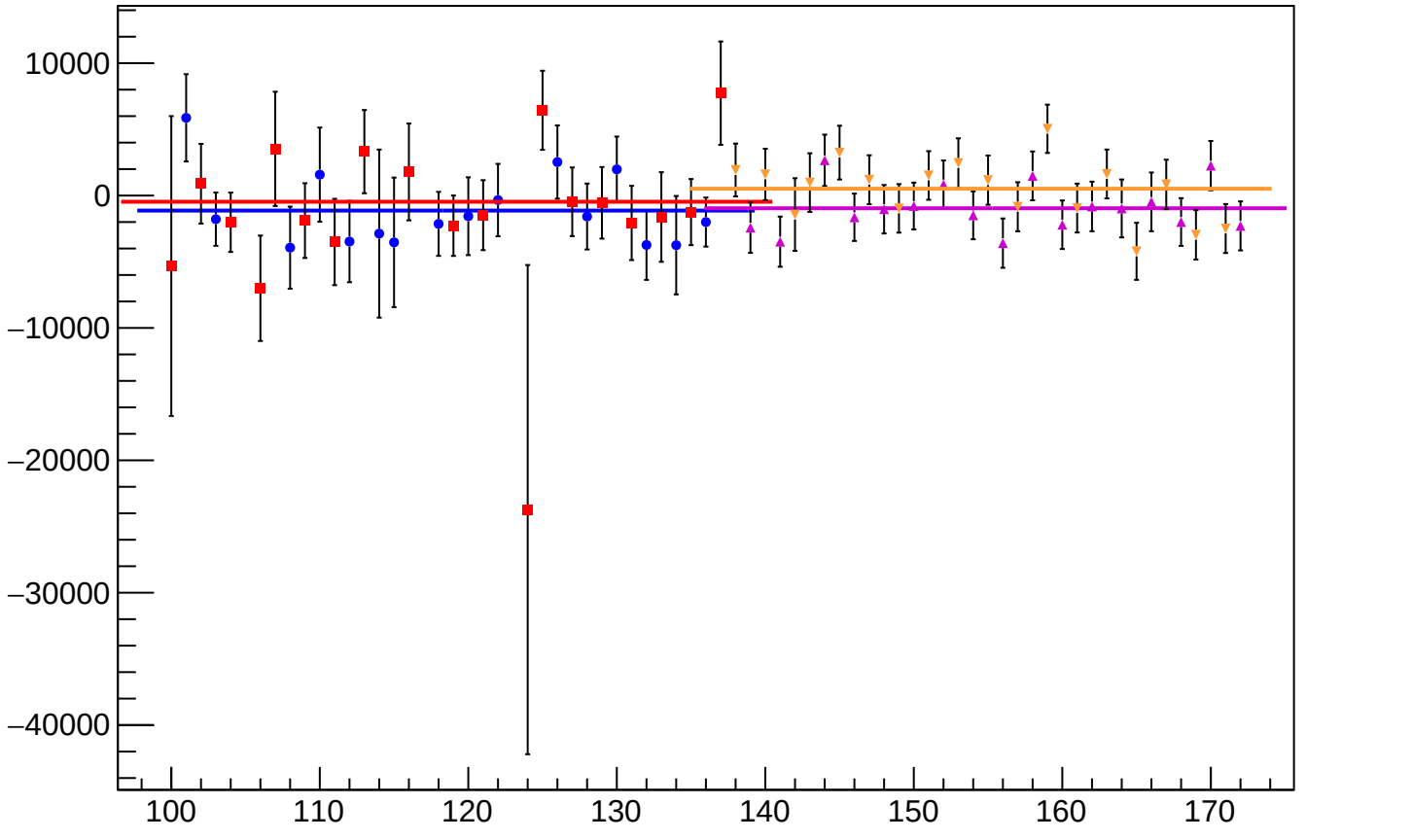
Left: 3838.248+/-0.523 χ^2/NDF: 2094115.0/34

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3869.752+/-0.609 χ^2/NDF:1738118.6/32

Out: 1315.454+/-0.325 χ^2/NDF:26228659.6/36

All: 1882.580+/-0.287 χ^2/NDF: 41674634.5/6



Right In: -1134.203+/-693.782 χ^2/NDF: 12.2/15

Left Out: 516.513+/-455.538 χ^2/NDF:24.1/17

Right Out: -465.899+/-705.928 χ^2/NDF: 20.0/18

Left In: -961.174+/-455.392 χ^2/NDF:15.2/16

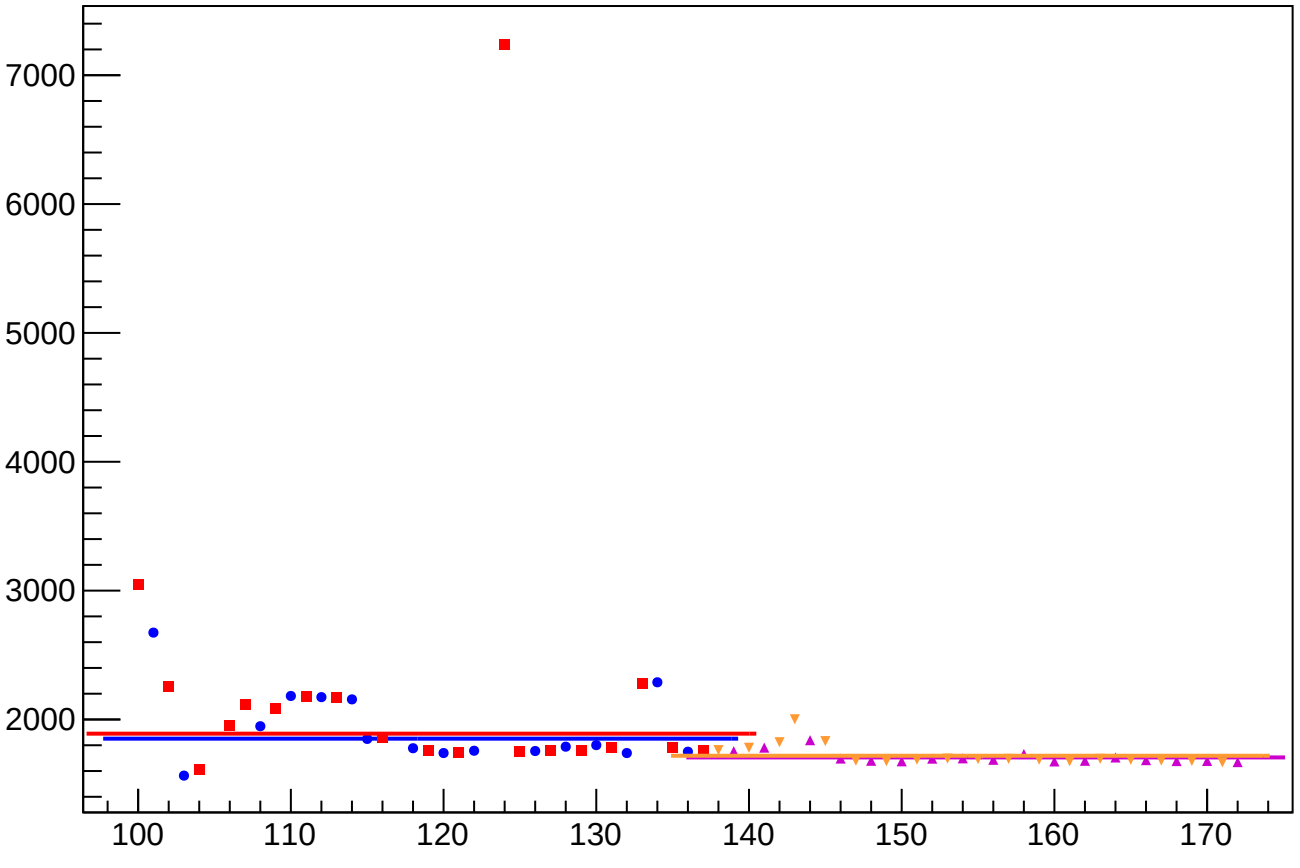
Left: -222.568+/-322.062 χ^2/NDF: 44.5/34

Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

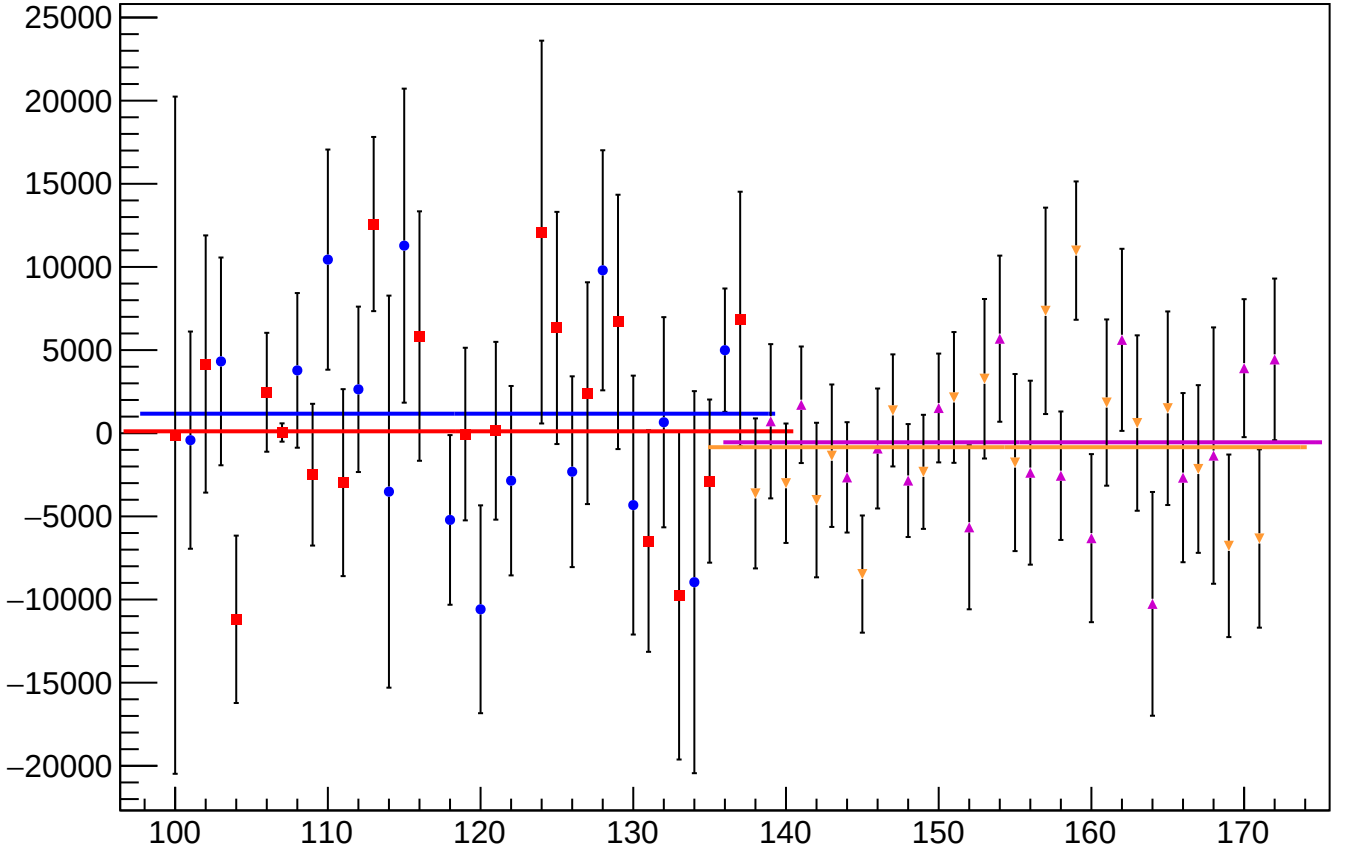
In: -1013.275+/-380.705 χ^2/NDF:27.5/32

Out: 227.690+/-382.762 χ^2/NDF:45.5/36

All: -396.136+/-269.923 χ^2/NDF: 78.3/69


eigen_cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1851.131+/-0.491 χ²/NDF: 259980.7/15
Left Out: 1718.576+/-0.322 χ²/NDF:53879.7/17
Right Out: 1889.986+/-0.498 χ²/NDF: 359122.3/18
Left In: 1705.499+/-0.322 χ²/NDF:18582.7/16
Left: 1712.036+/-0.228 χ²/NDF: 73286.7/34
Right: 1870.262+/-0.350 χ²/NDF: 622191.7/34
In: 1749.351+/-0.269 χ²/NDF:340152.1/32
Out: 1769.119+/-0.270 χ²/NDF:496499.3/36
All: 1759.188+/-0.191 χ²/NDF: 839334.6/69

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: -839.629+/-1042.007 χ^2/NDF:20.5/17

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -543.921+/-1049.945 χ^2/NDF:11.8/16

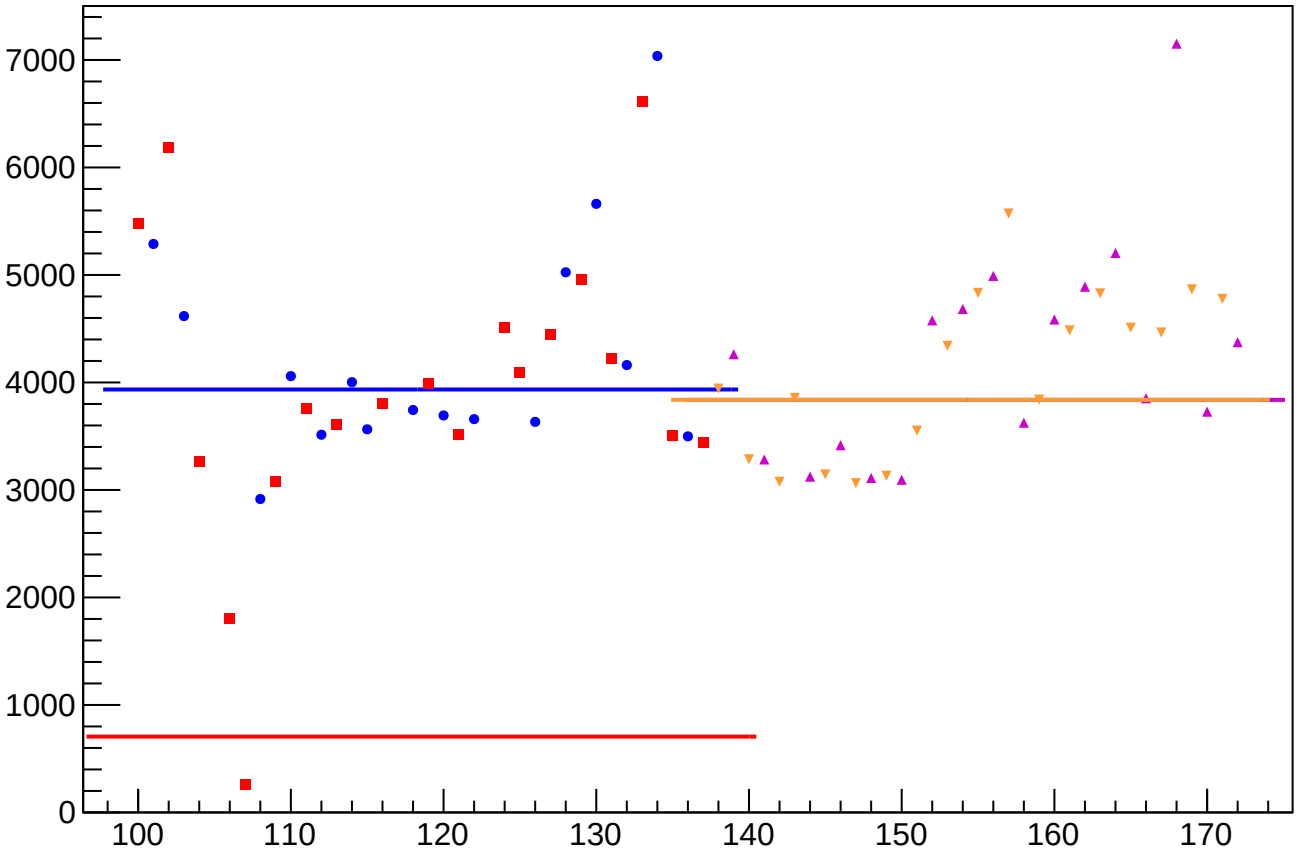
Left: -692.897+/-739.600 χ^2/NDF: 32.4/34

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 20.377+/-860.565 χ^2/NDF:26.4/32

Out: -70.087+/-459.733 χ^2/NDF:39.7/36

All: -50.001+/-405.497 χ^2/NDF: 66.2/69



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3838.486+/-0.737 χ^2/NDF:921716.2/17

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3838.008+/-0.742 χ^2/NDF:1172398.6/16

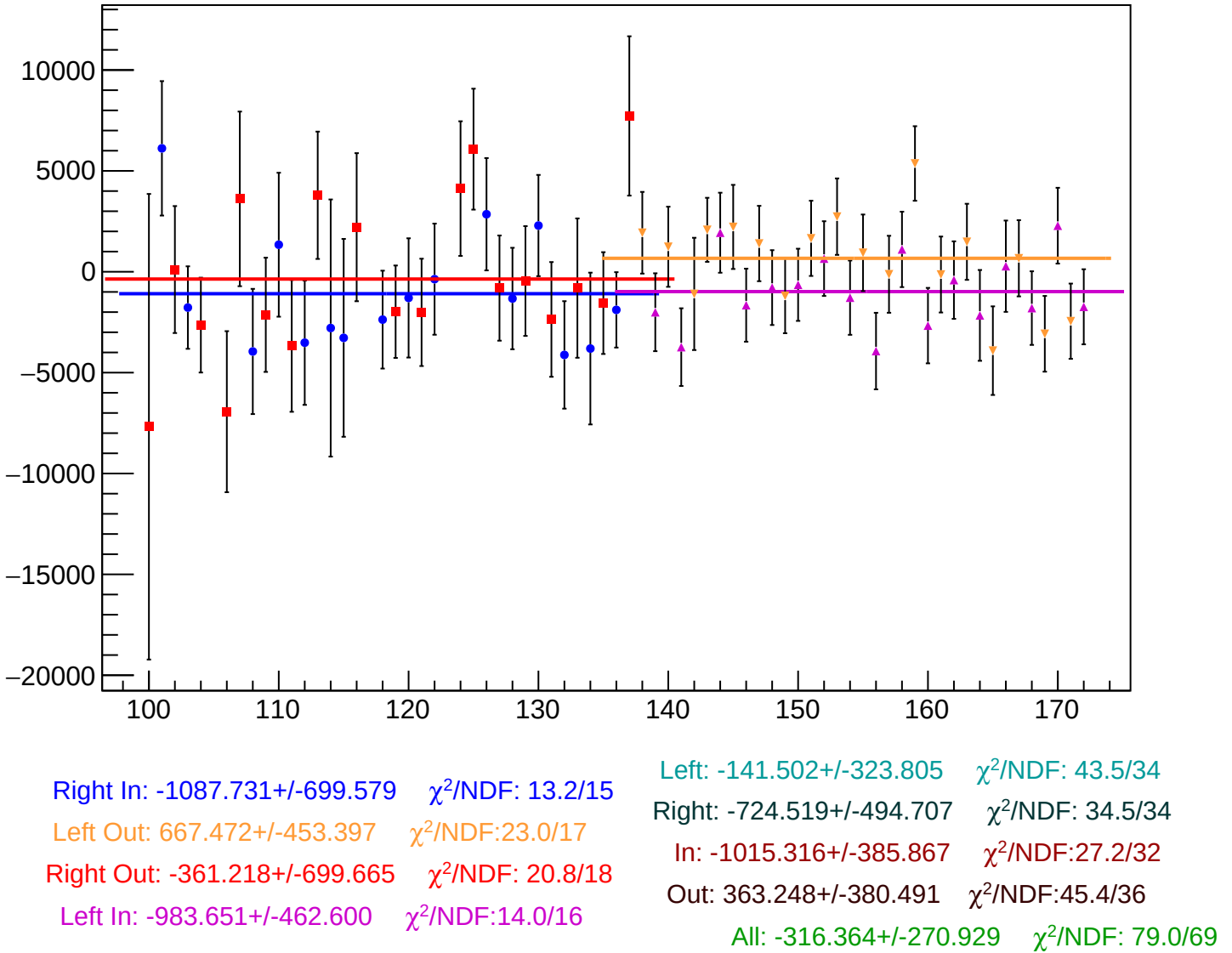
Left: 3838.248+/-0.523 χ^2/NDF: 2094115.0/34

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

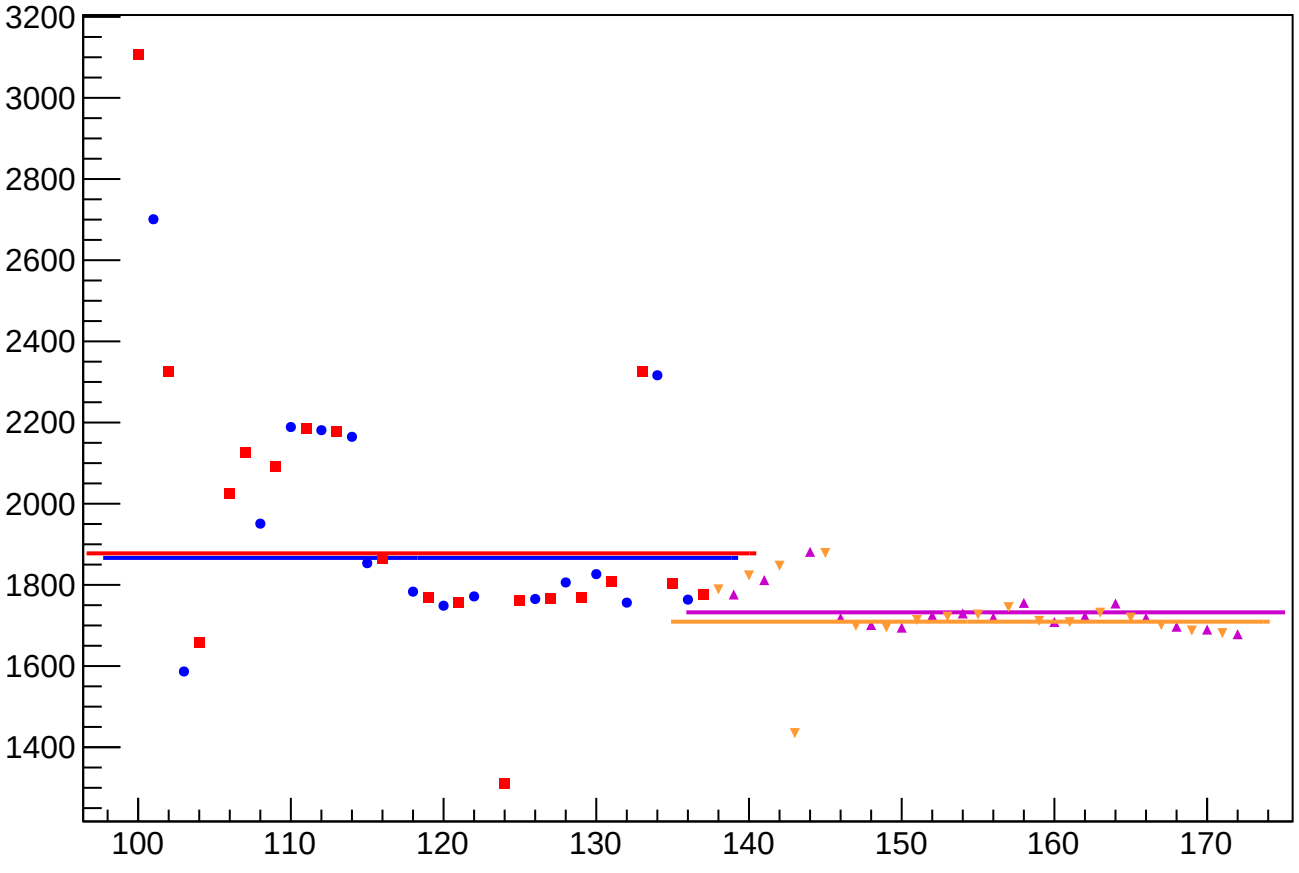
In: 3869.752+/-0.609 χ^2/NDF:1738118.6/32

Out: 1315.454+/-0.325 χ^2/NDF:26228659.6/36

All: 1882.580+/-0.287 χ^2/NDF: 41674634.5/6


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: 667.472+/-453.397 χ²/NDF:23.0/17
Right Out: -361.218+/-699.665 χ²/NDF: 20.8/18
Left In: -983.651+/-462.600 χ²/NDF:14.0/16
Left: -141.502+/-323.805 χ²/NDF: 43.5/34
Right: -724.519+/-494.707 χ²/NDF: 34.5/34
In: -1015.316+/-385.867 χ²/NDF:27.2/32
Out: 363.248+/-380.491 χ²/NDF:45.4/36
All: -316.364+/-270.929 χ²/NDF: 79.0/69

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1709.355+/-0.321 χ^2/NDF:89843.2/17

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1732.356+/-0.327 χ^2/NDF:21852.4/16

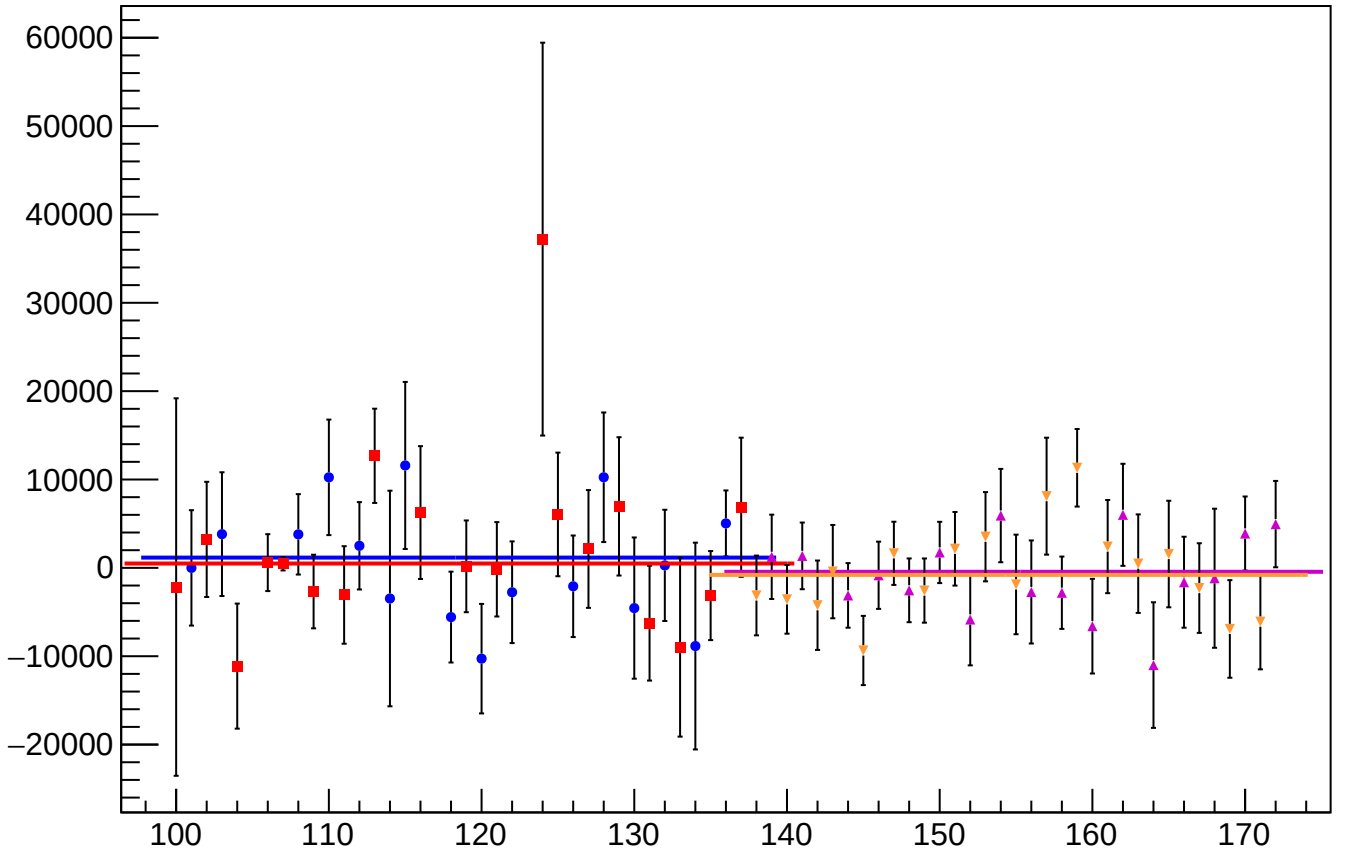
Left: 1720.624+/-0.229 χ^2/NDF: 114217.4/34

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1773.153+/-0.273 χ^2/NDF:329245.3/32

Out: 1759.187+/-0.269 χ^2/NDF:423291.3/36

All: 1766.070+/-0.192 χ^2/NDF: 753865.3/69



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -795.031+/-1108.380 χ^2/NDF:20.3/17

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: -443.968+/-1106.088 χ^2/NDF:11.8/16

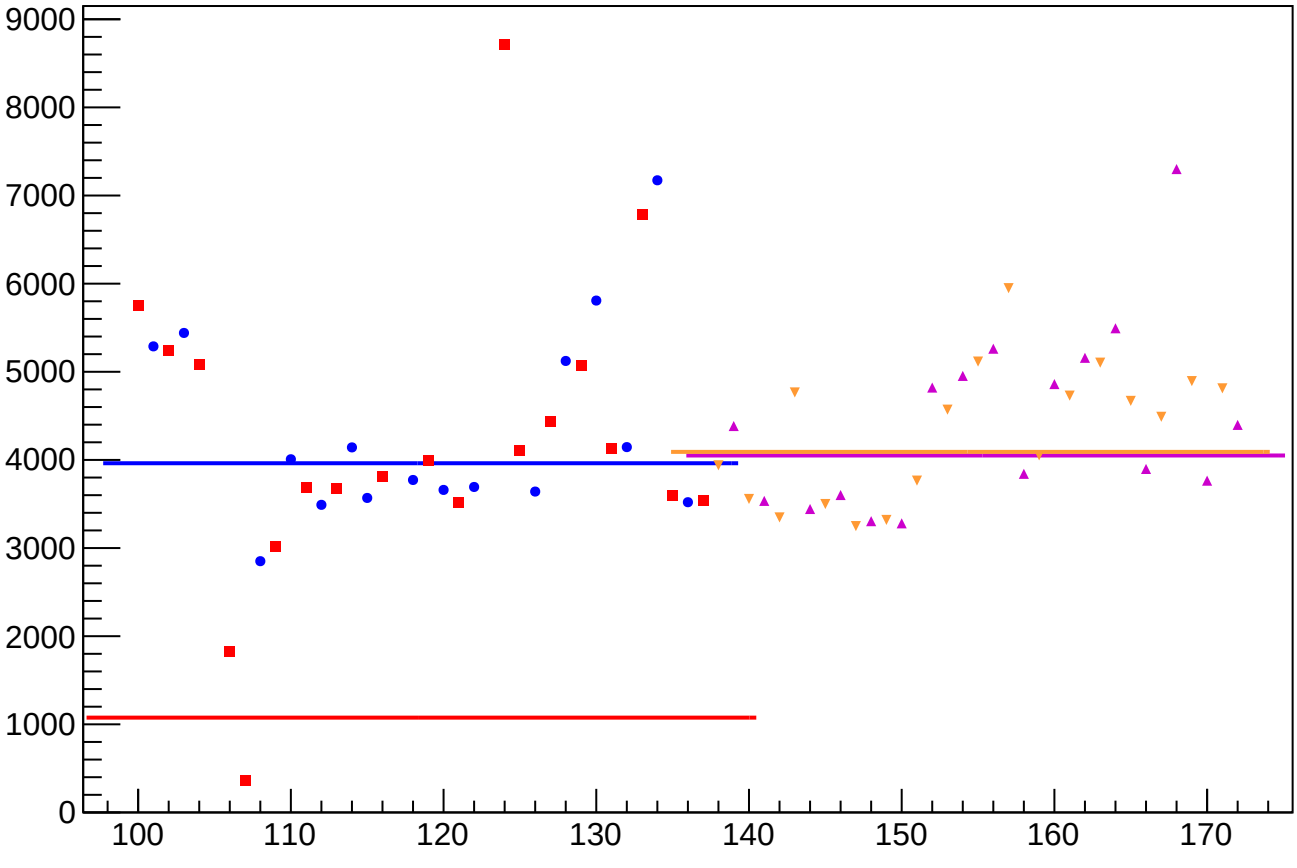
Left: -619.136+/-782.931 χ^2/NDF: 32.1/34

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 115.456+/-892.764 χ^2/NDF:26.2/32

Out: 156.897+/-566.131 χ^2/NDF:38.2/36

All: 145.012+/-478.106 χ^2/NDF: 64.4/69



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 4091.310+/-0.784 χ^2/NDF:820821.7/17

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 4050.307+/-0.782 χ^2/NDF:1072137.4/16

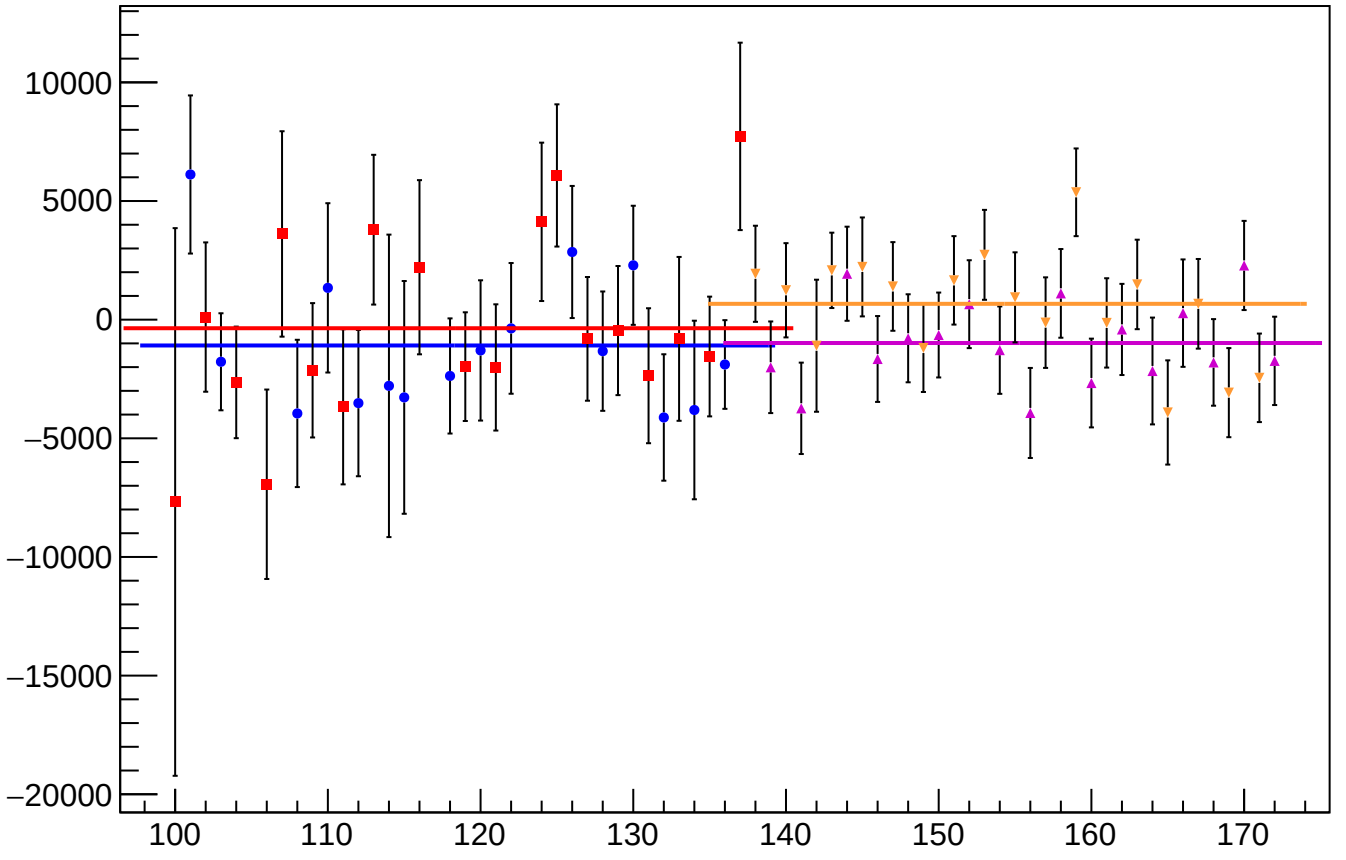
Left: 4070.766+/-0.554 χ^2/NDF: 1894330.5/34

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 4019.658+/-0.631 χ^2/NDF:1744883.2/32

Out: 1862.633+/-0.400 χ^2/NDF:21319728.3/36

All: 2481.260+/-0.338 χ^2/NDF: 31391448.5/6



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 667.475+/-453.397 χ^2/NDF:23.0/17

Right Out: -361.223+/-699.665 χ^2/NDF: 20.8/18

Left In: -983.653+/-462.600 χ^2/NDF:14.0/16

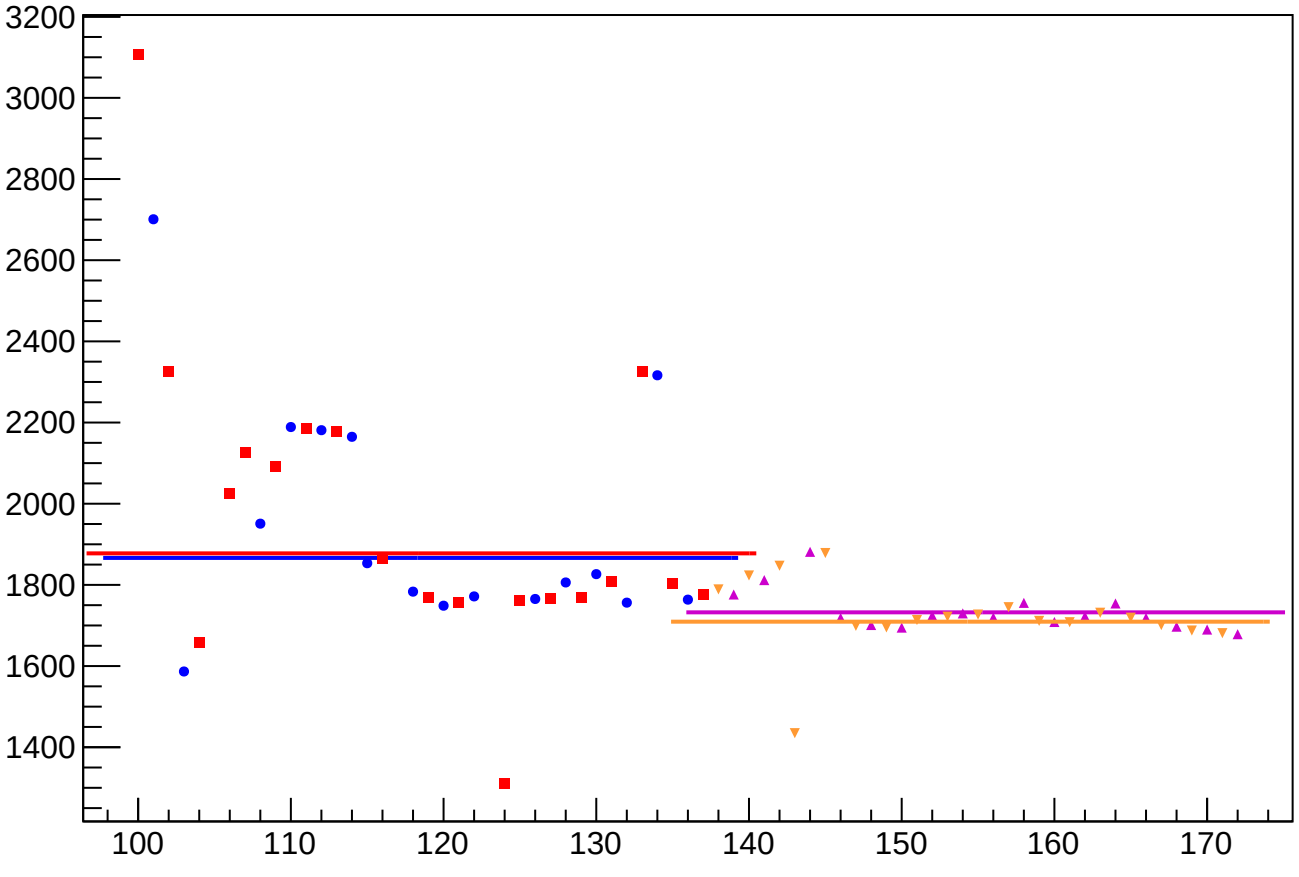
Left: -141.502+/-323.805 χ^2/NDF: 43.5/34

Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -1015.318+/-385.867 χ^2/NDF:27.2/32

Out: 363.248+/-380.492 χ^2/NDF:45.4/36

All: -316.365+/-270.929 χ^2/NDF: 79.0/69



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1709.356+/-0.321 χ^2/NDF:89842.4/17

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1732.356+/-0.327 χ^2/NDF:21852.3/16

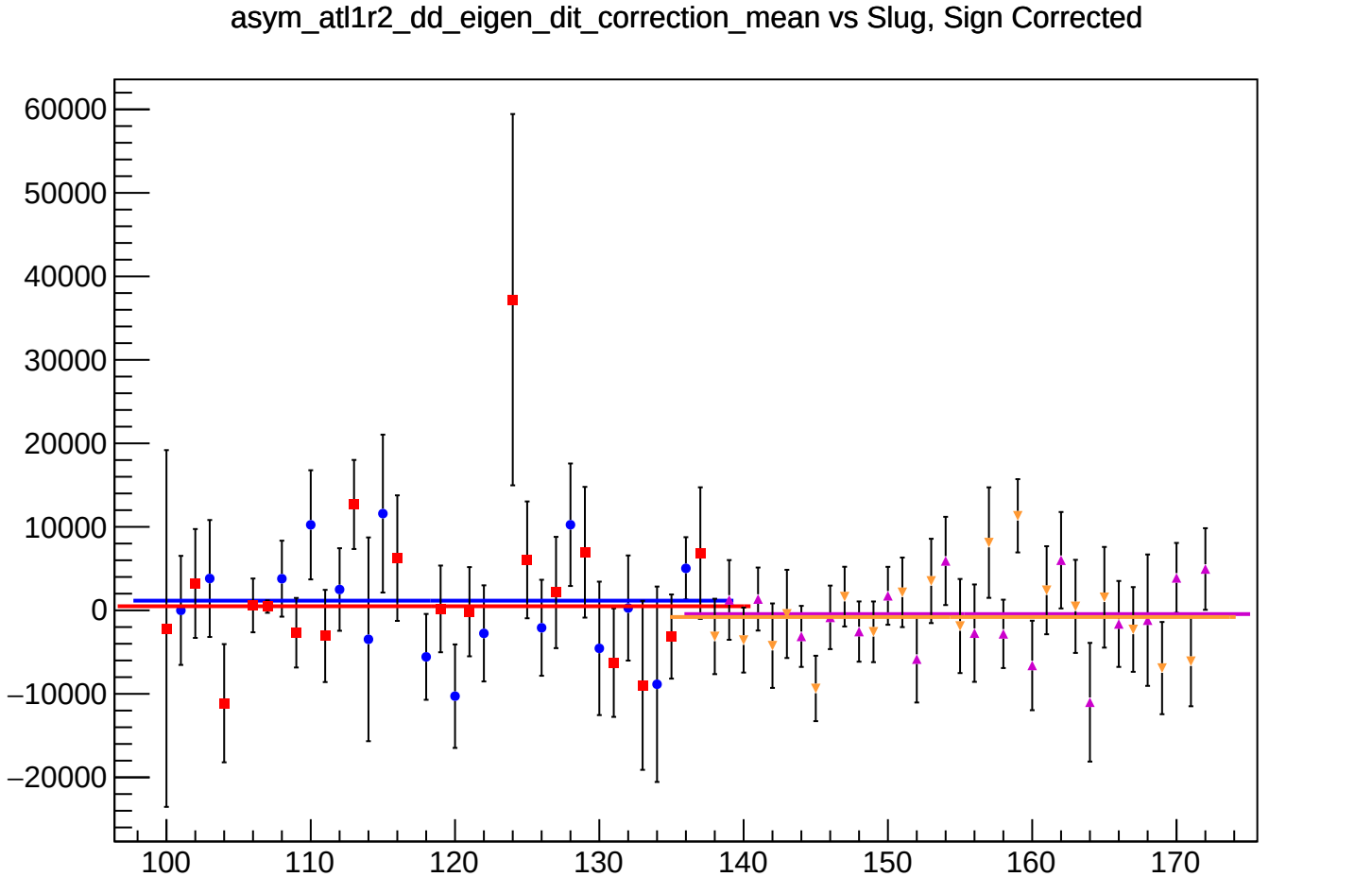
Left: 1720.625+/-0.229 χ^2/NDF: 114216.5/34

Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

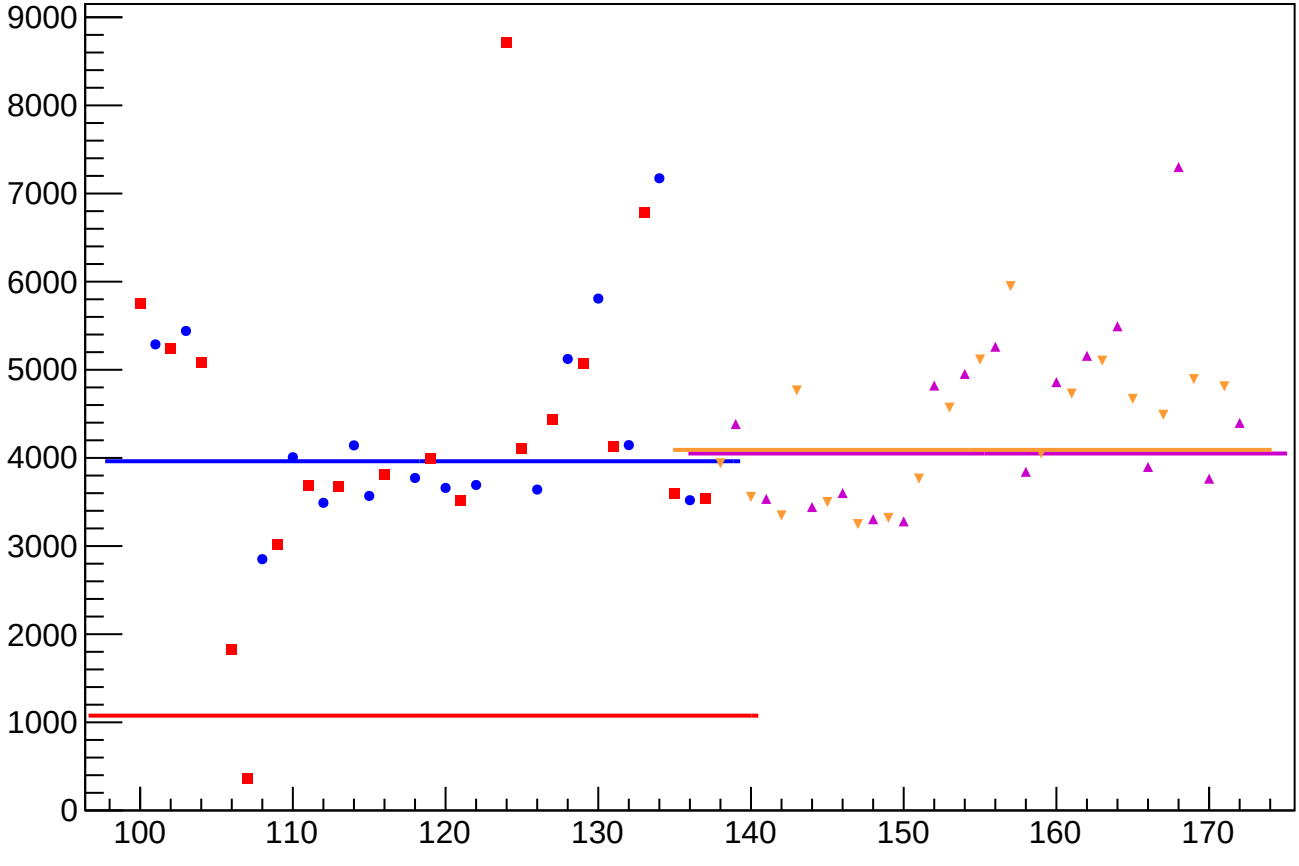
In: 1773.153+/-0.273 χ^2/NDF:329244.5/32

Out: 1759.188+/-0.269 χ^2/NDF:423289.9/36

All: 1766.071+/-0.192 χ^2/NDF: 753863.0/69


asym_atl1r2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 1161.104+/-1512.222 χ²/NDF: 13.7/15
Left Out: -795.031+/-1108.381 χ²/NDF:20.3/17
Right Out: 492.914+/-658.521 χ²/NDF: 16.9/18
Left In: -443.966+/-1106.090 χ²/NDF:11.8/16
Left: -619.135+/-782.932 χ²/NDF: 32.1/34
Right: 599.426+/-603.759 χ²/NDF: 30.8/34
In: 115.452+/-892.765 χ²/NDF:26.2/32
Out: 156.895+/-566.138 χ²/NDF:38.2/36
All: 145.009+/-478.110 χ²/NDF: 64.4/69

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 4091.316+/-0.784 χ^2/NDF:820821.5/17

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: 4070.772+/-0.554 χ^2/NDF: 1894332.2/34

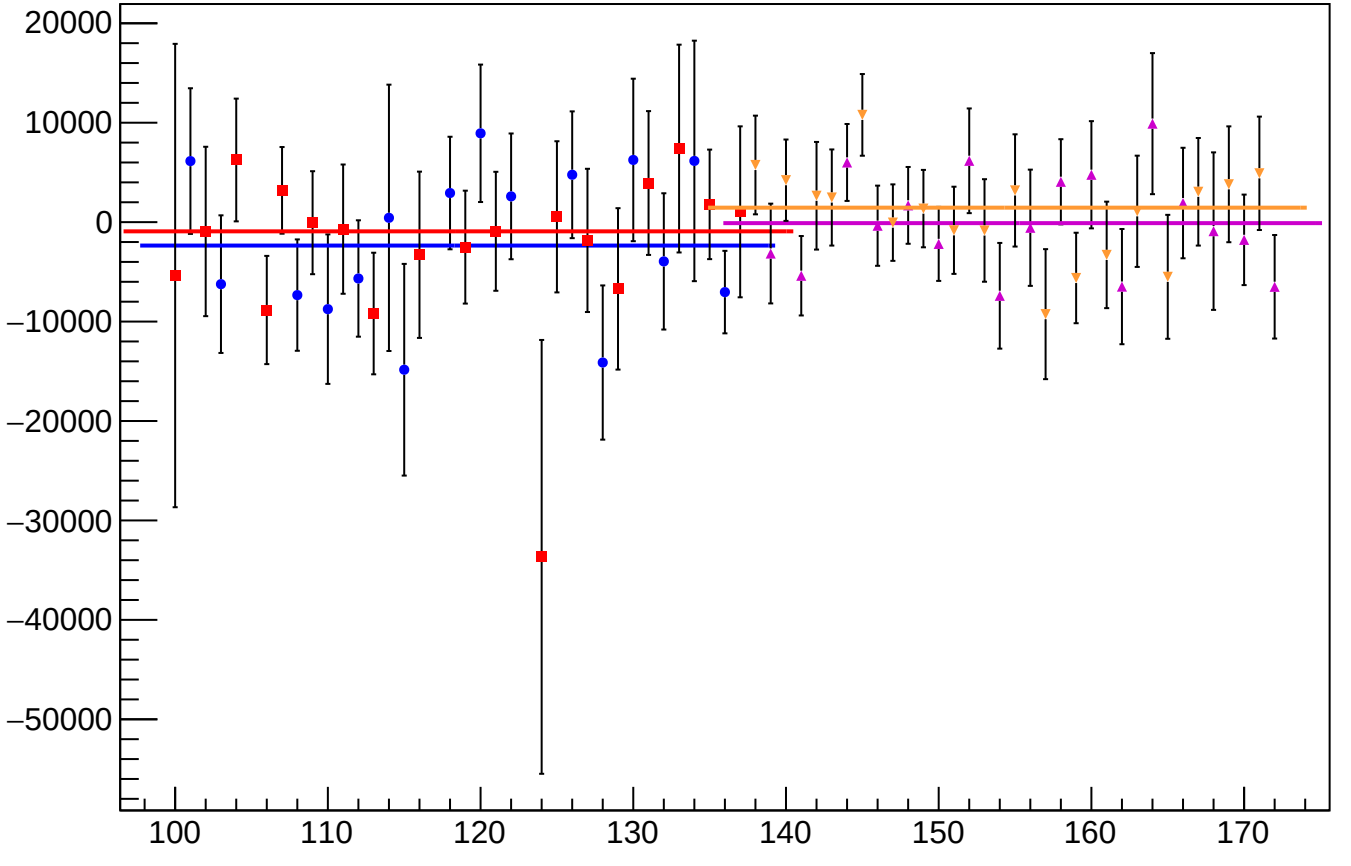
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 4019.659+/-0.631 χ^2/NDF:1744882.6/32

Out: 1862.674+/-0.400 χ^2/NDF:21319298.9/36

All: 2481.301+/-0.338 χ^2/NDF: 31390643.0/6

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2354.851+/-1684.784 χ^2/NDF: 15.5/15

Left Out: 1456.959+/-1154.812 χ^2/NDF:14.9/17

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: 682.404+/-818.518 χ^2/NDF: 31.0/34

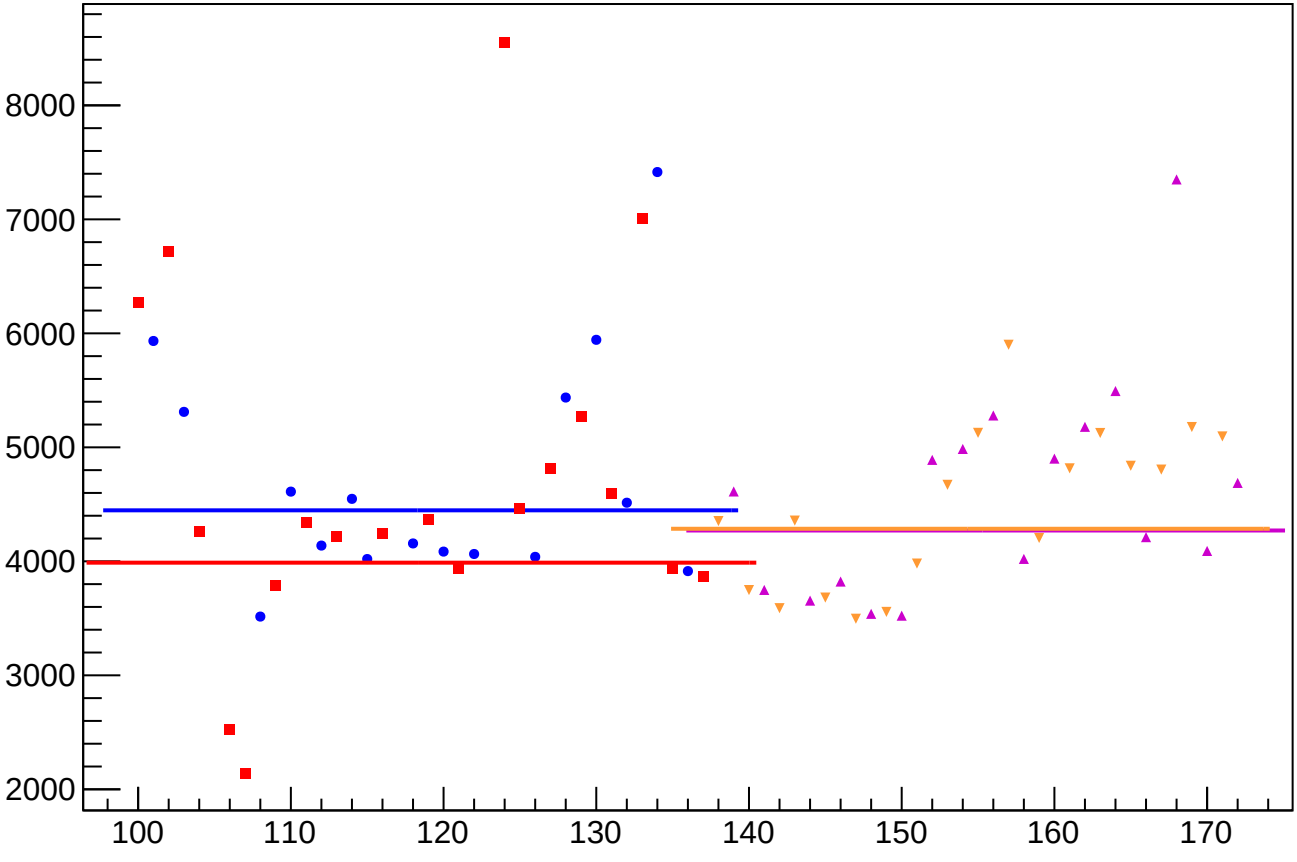
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -825.138+/-955.617 χ^2/NDF:32.0/32

Out: 604.562+/-925.385 χ^2/NDF:27.1/36

All: -87.315+/-664.777 χ^2/NDF: 60.2/69

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4285.660+/-0.817 χ^2/NDF:640164.4/17

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 4270.504+/-0.820 χ^2/NDF:855831.7/16

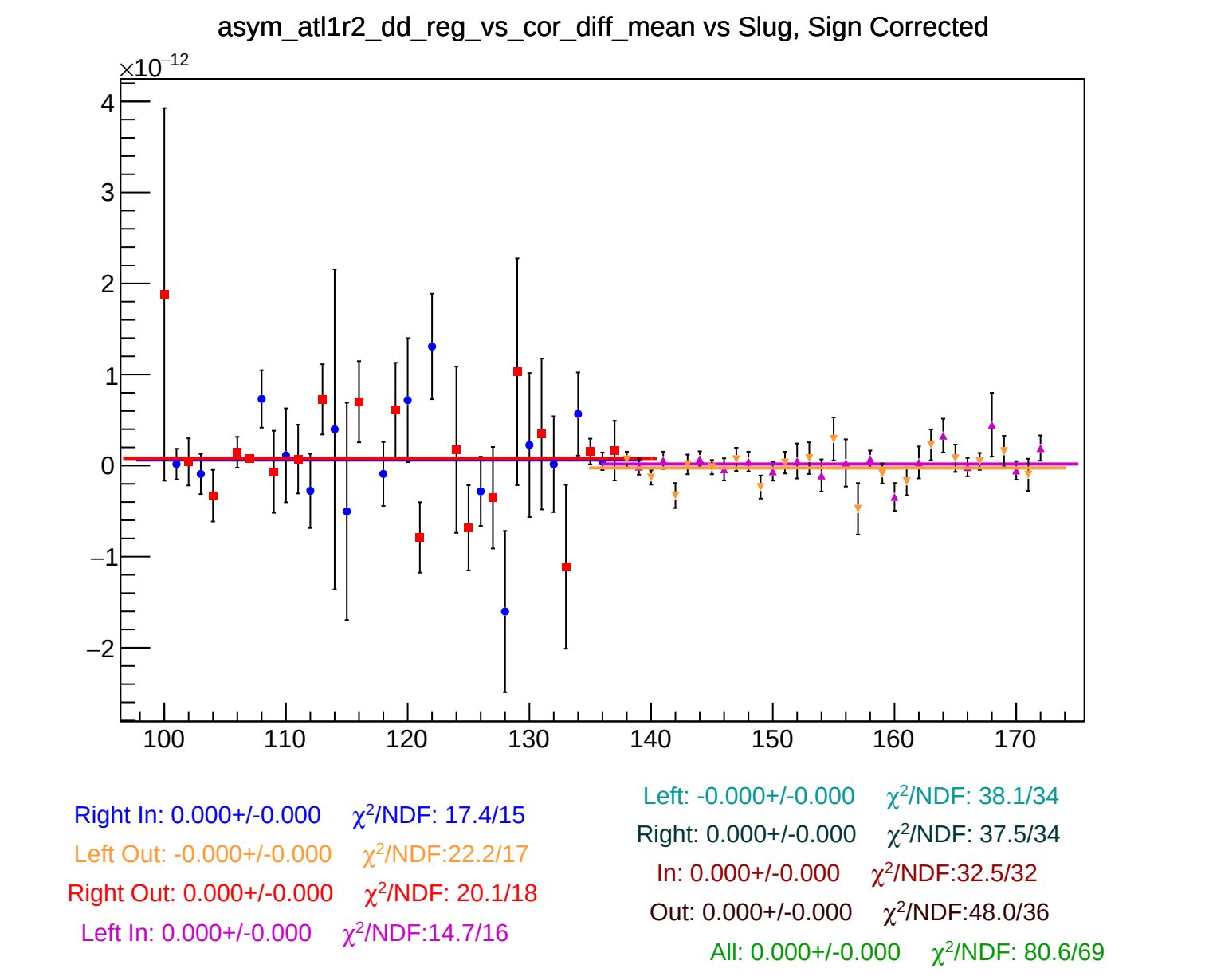
Left: 4278.118+/-0.579 χ^2/NDF: 1496167.5/34

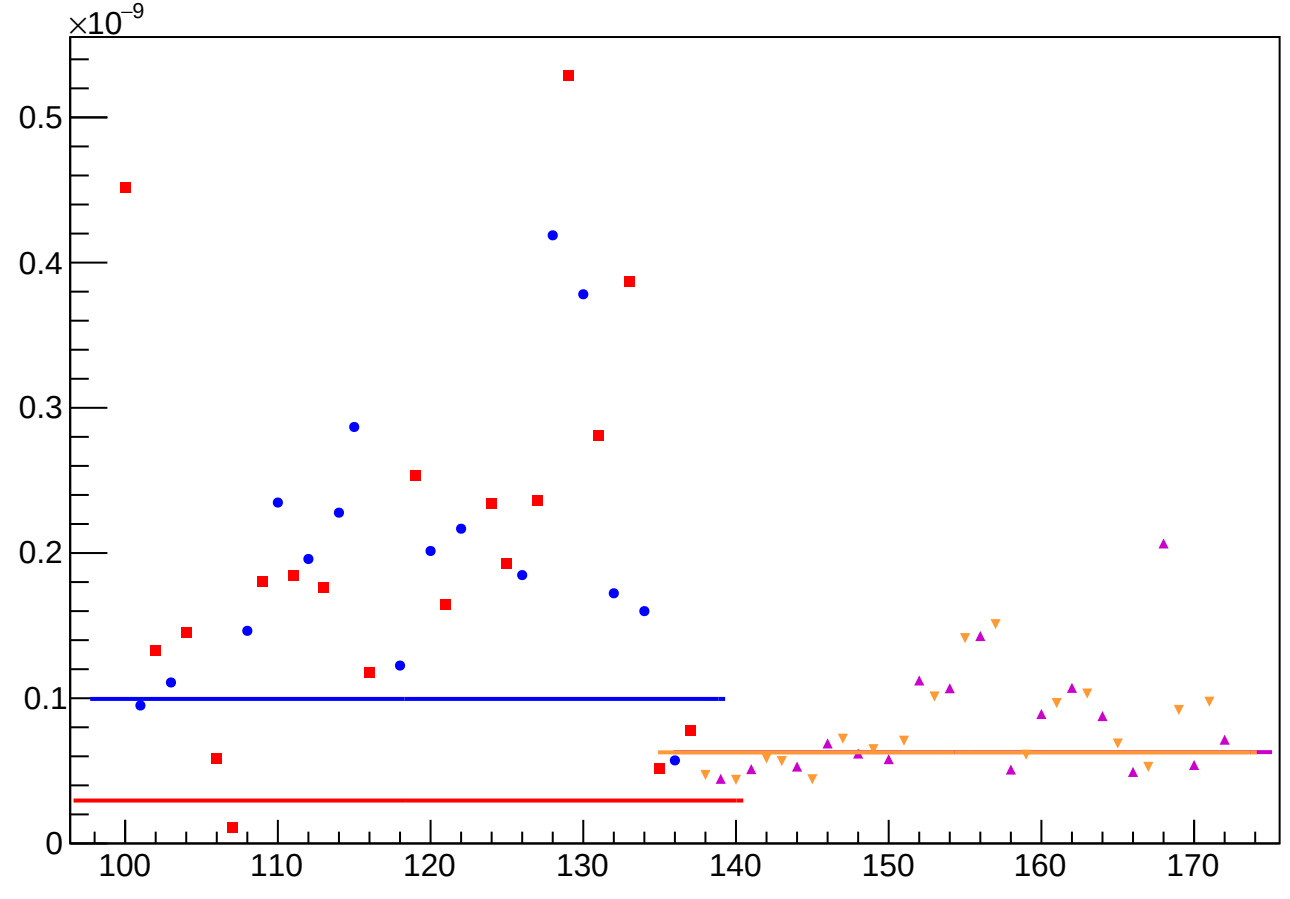
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4327.423+/-0.676 χ^2/NDF:1329041.8/32

Out: 4177.859+/-0.652 χ^2/NDF:1832179.2/36

All: 4249.970+/-0.469 χ^2/NDF: 3186591.5/69


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:22.2/17
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: 38.1/34
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:48.0/36
All: 0.000+/-0.000 χ²/NDF: 80.6/69



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1218177.9/17

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: 2472331.5/34

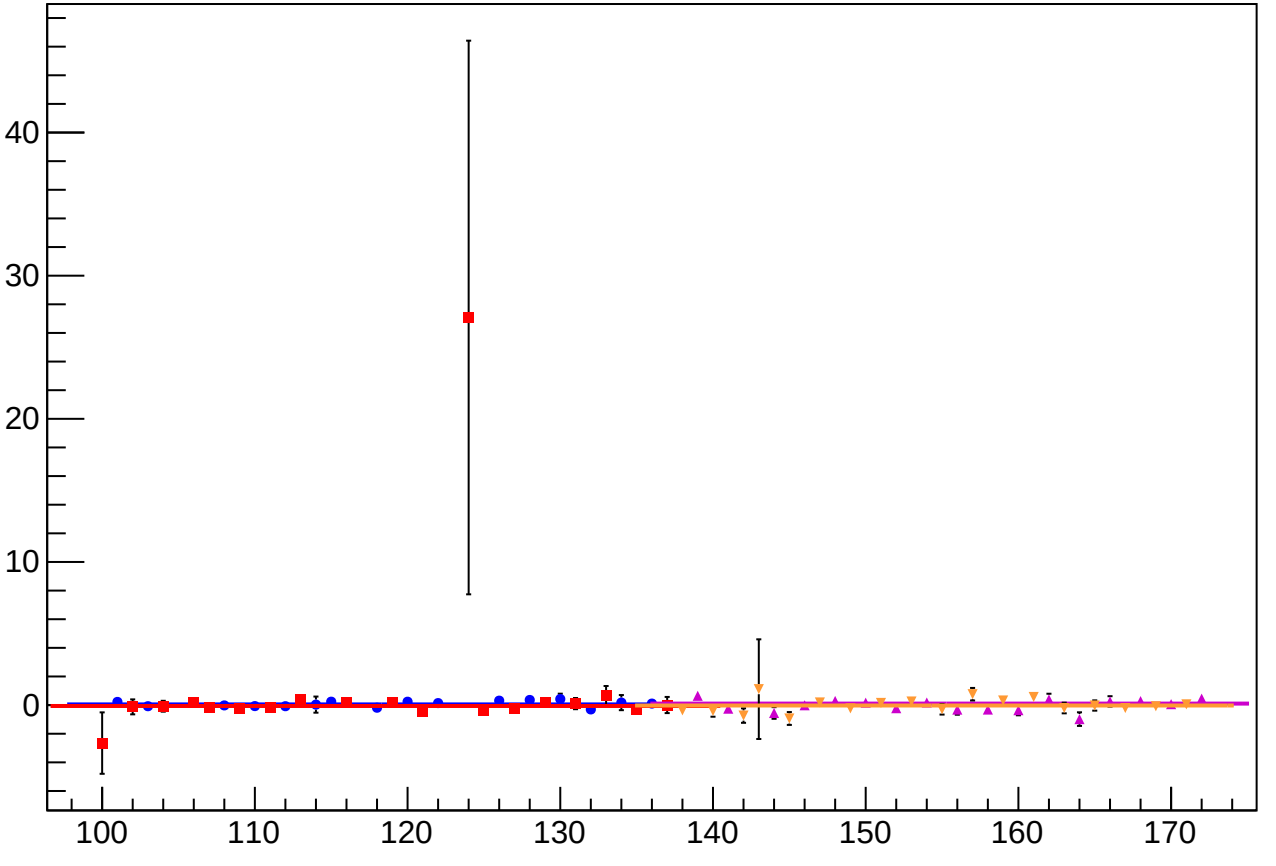
Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:3307081.2/32

Out: 0.000+/-0.000 χ^2/NDF:6736990.6/36

All: 0.000+/-0.000 χ^2/NDF: 10703769.7/69

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: -0.027+/-0.072 χ^2/NDF:19.4/17

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.106+/-0.071 χ^2/NDF:25.3/16

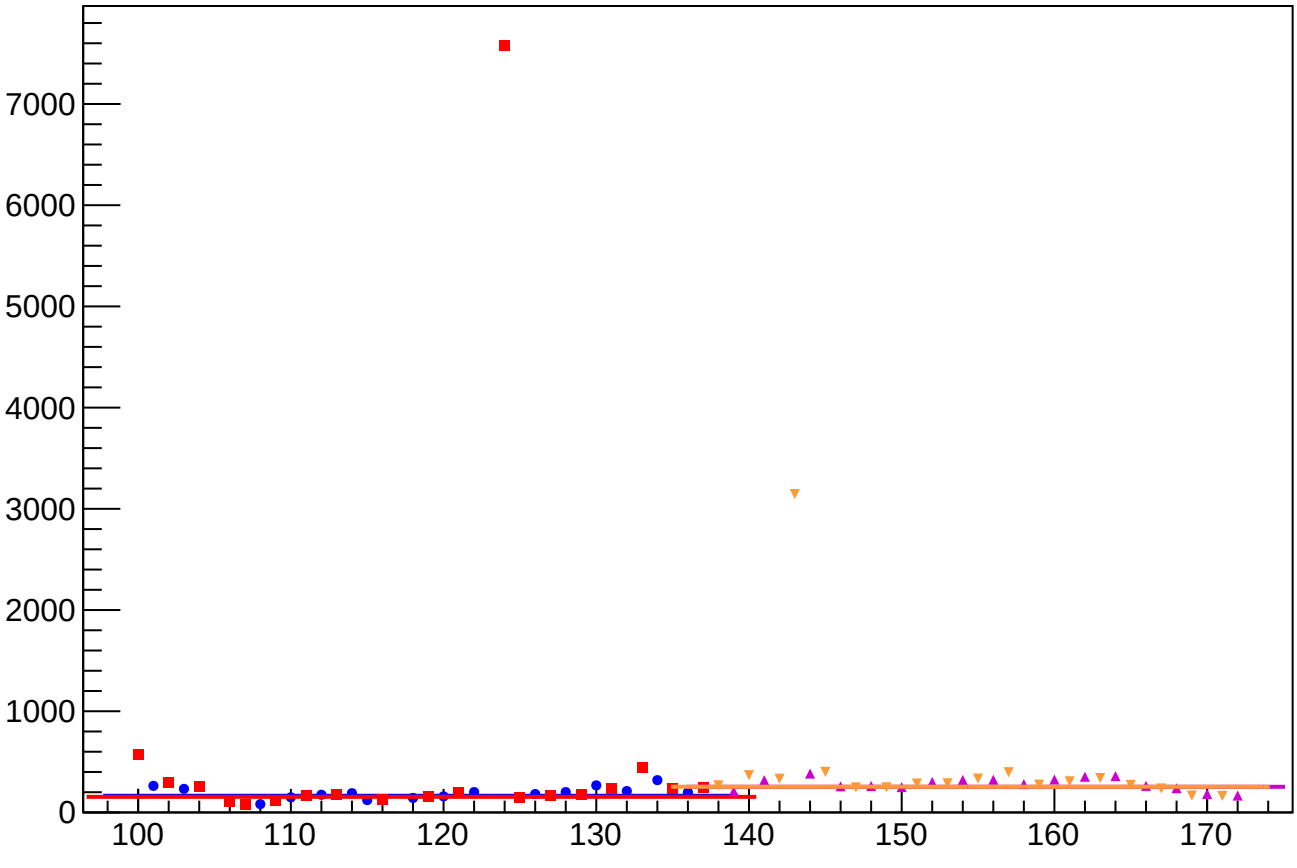
Left: 0.041+/-0.051 χ^2/NDF: 46.4/34

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.075+/-0.048 χ^2/NDF:33.2/32

Out: -0.046+/-0.048 χ^2/NDF:38.0/36

All: 0.014+/-0.034 χ^2/NDF: 74.4/69



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 254.346+/-0.051 χ^2/NDF:3247057.9/17

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: 253.931+/-0.036 χ^2/NDF: 4774469.5/34

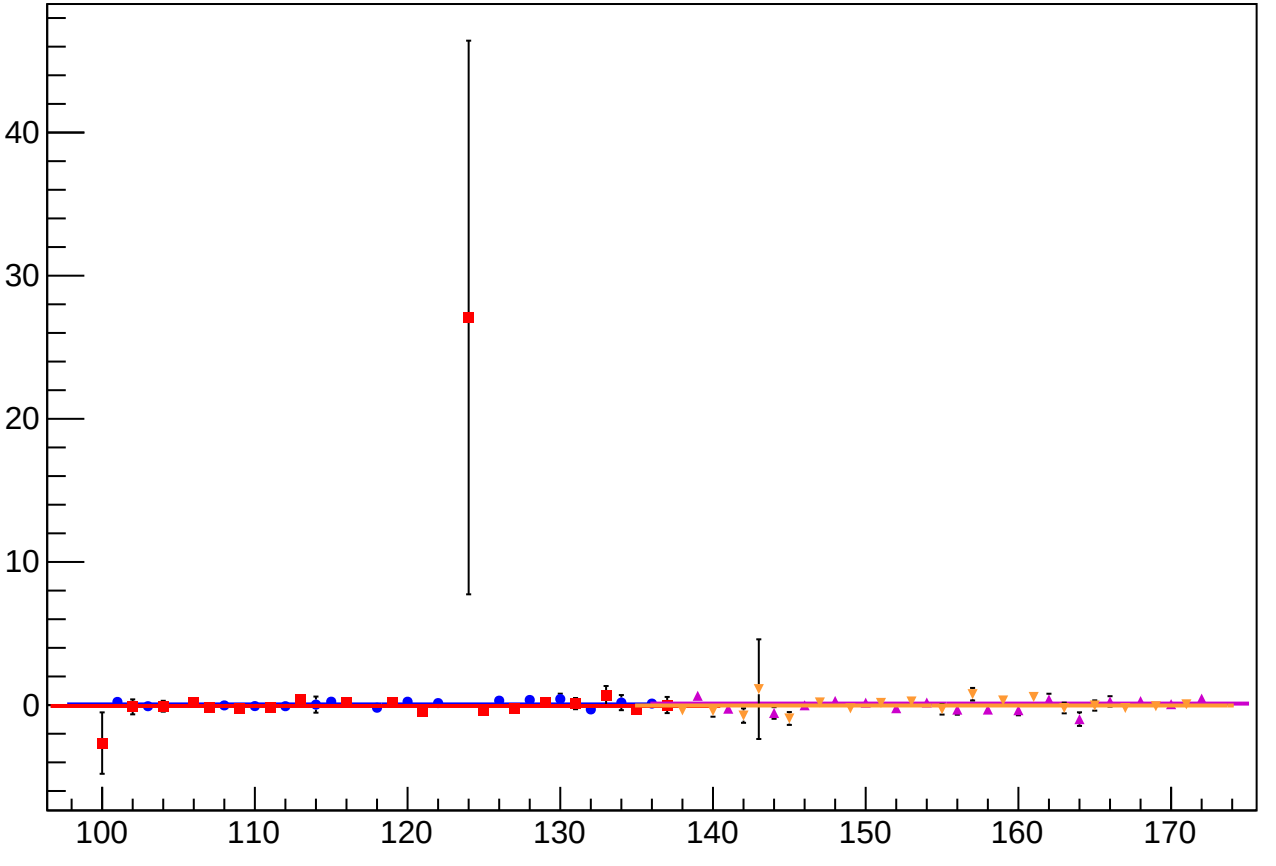
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 206.517+/-0.034 χ^2/NDF:4677256.2/32

Out: 198.510+/-0.034 χ^2/NDF:7294983.2/36

All: 202.495+/-0.024 χ^2/NDF: 11999780.6/69

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: -0.027+/-0.072 χ^2/NDF:19.4/17

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.106+/-0.071 χ^2/NDF:25.3/16

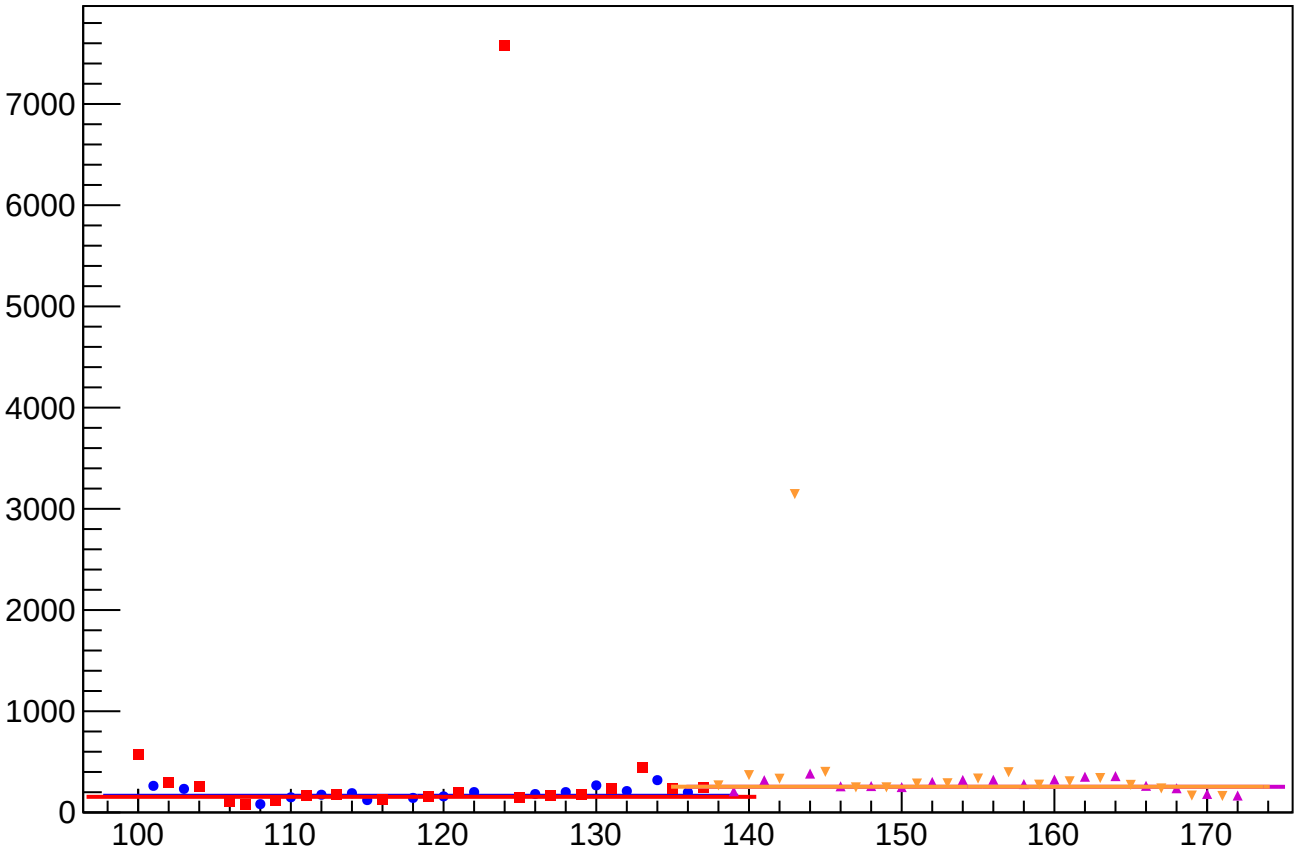
Left: 0.041+/-0.051 χ^2/NDF: 46.4/34

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.075+/-0.048 χ^2/NDF:33.2/32

Out: -0.046+/-0.048 χ^2/NDF:38.0/36

All: 0.014+/-0.034 χ^2/NDF: 74.4/69



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 254.346+/-0.051 χ^2/NDF:3247057.9/17

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 253.539+/-0.050 χ^2/NDF:1527284.3/16

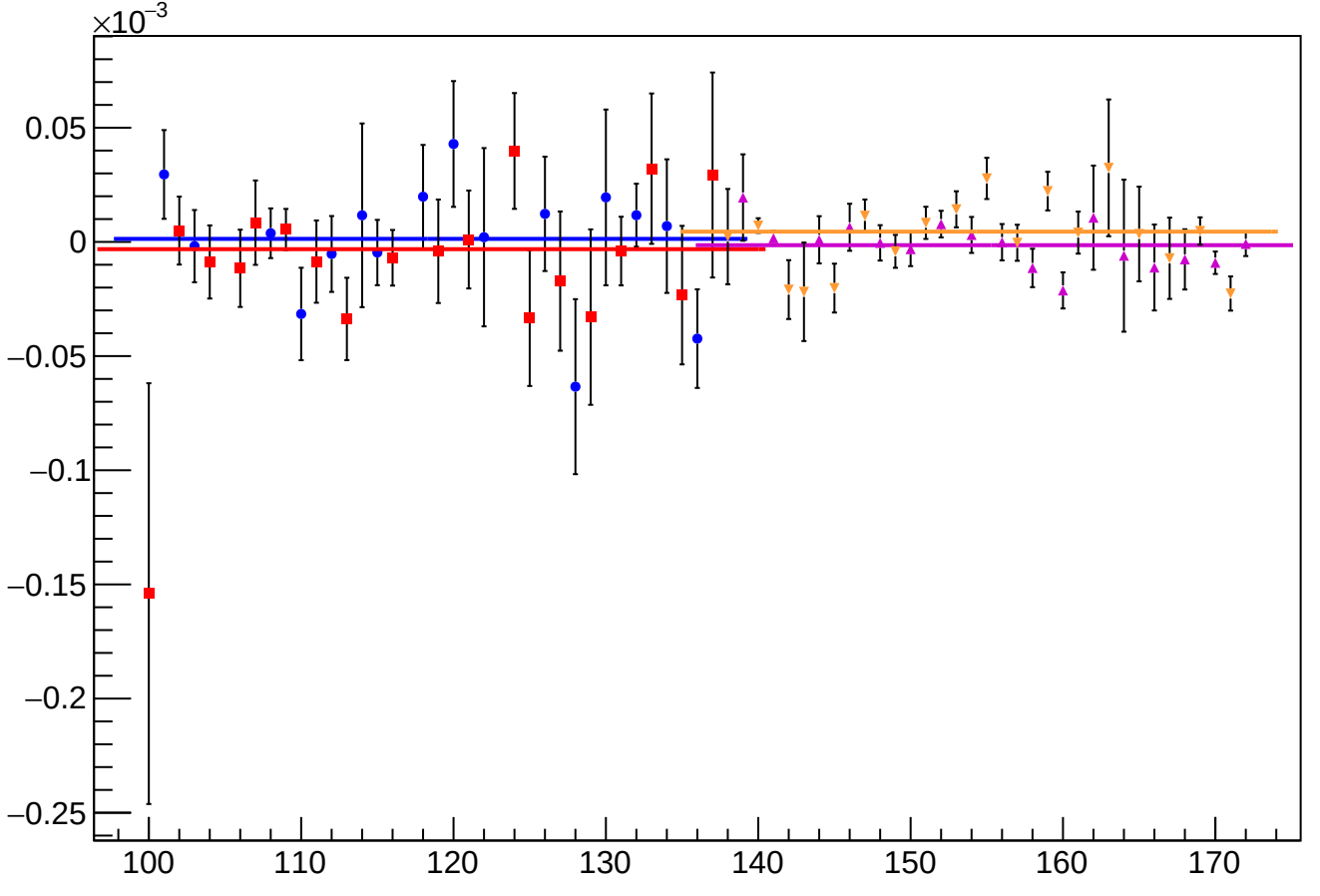
Left: 253.931+/-0.036 χ^2/NDF: 4774469.5/34

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 206.517+/-0.034 χ^2/NDF:4677256.2/32

Out: 198.510+/-0.034 χ^2/NDF:7294983.2/36

All: 202.495+/-0.024 χ^2/NDF: 11999780.6/69



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.5/17

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:16.6/16

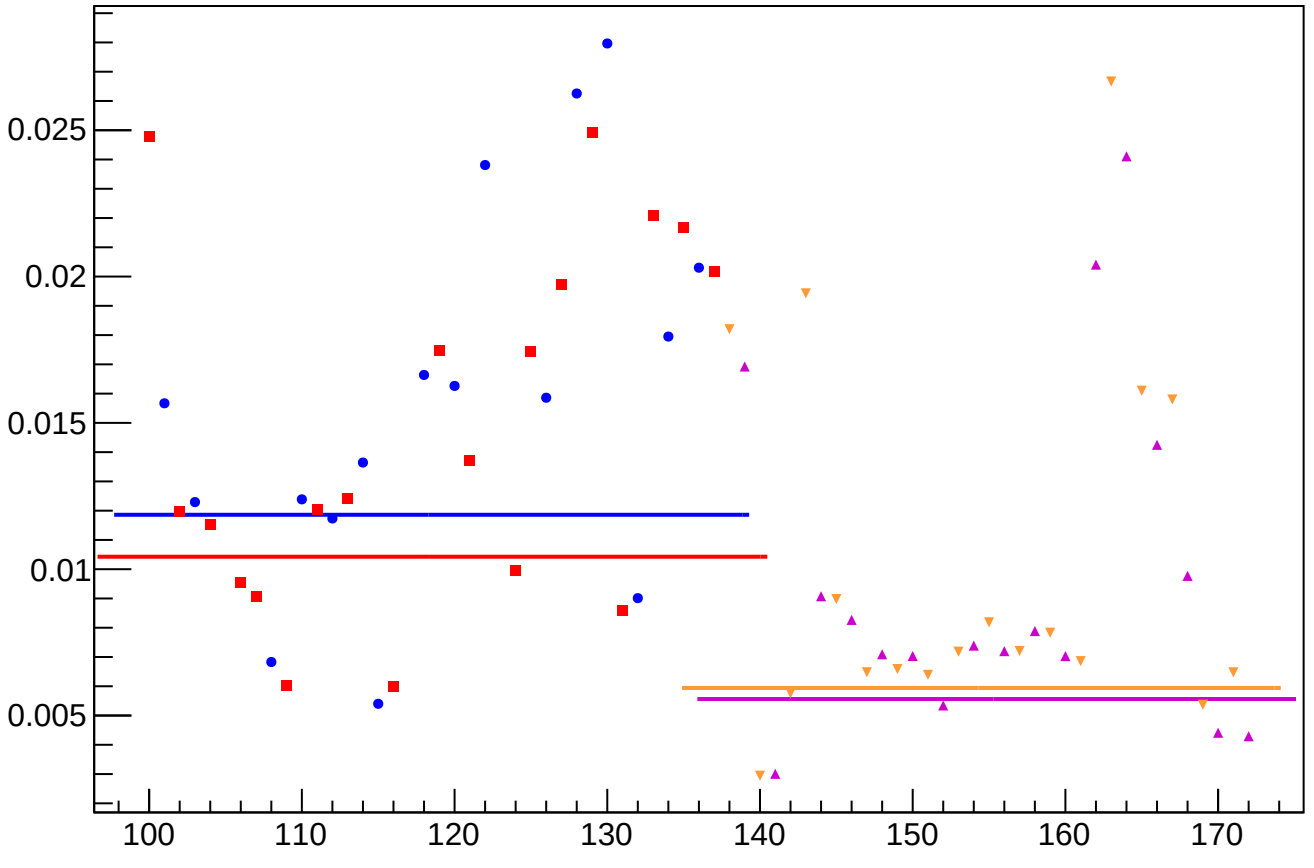
Left: 0.000+/-0.000 χ^2/NDF: 63.6/34

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:58.8/36

All: 0.000+/-0.000 χ^2/NDF: 95.4/69



Right In: 0.012+/-0.000 χ^2/NDF: 2407192.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:5835511.8/17

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: 11136724.2/34

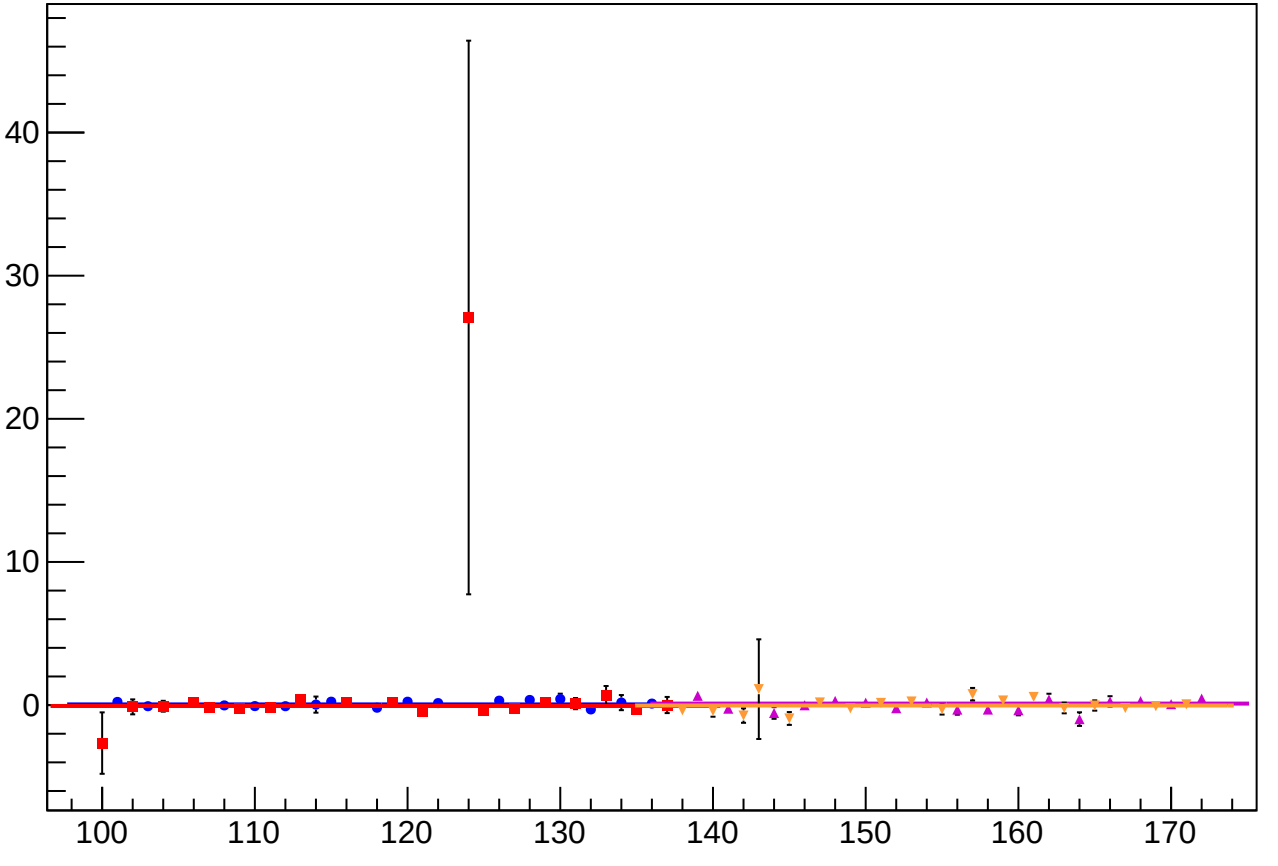
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.006+/-0.000 χ^2/NDF:10626673.6/32

Out: 0.007+/-0.000 χ^2/NDF:10077674.9/36

All: 0.006+/-0.000 χ^2/NDF: 20756511.6/69

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: -0.027+/-0.072 χ^2/NDF:19.4/17

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.106+/-0.071 χ^2/NDF:25.3/16

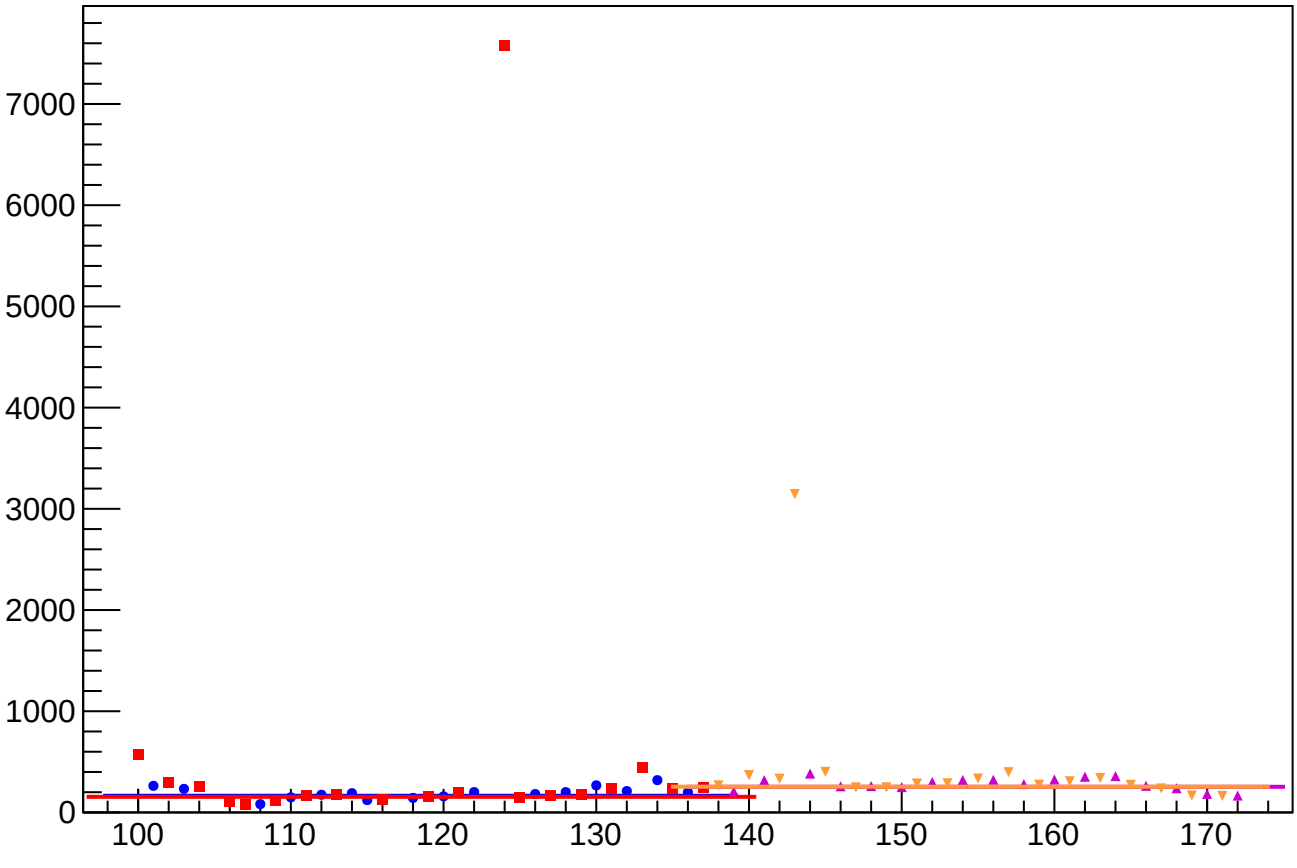
Left: 0.041+/-0.051 χ^2/NDF: 46.4/34

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.075+/-0.048 χ^2/NDF:33.2/32

Out: -0.046+/-0.048 χ^2/NDF:38.0/36

All: 0.014+/-0.034 χ^2/NDF: 74.4/69



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 254.347+/-0.051 χ^2/NDF:3247174.3/17

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: 253.934+/-0.036 χ^2/NDF: 4774619.9/34

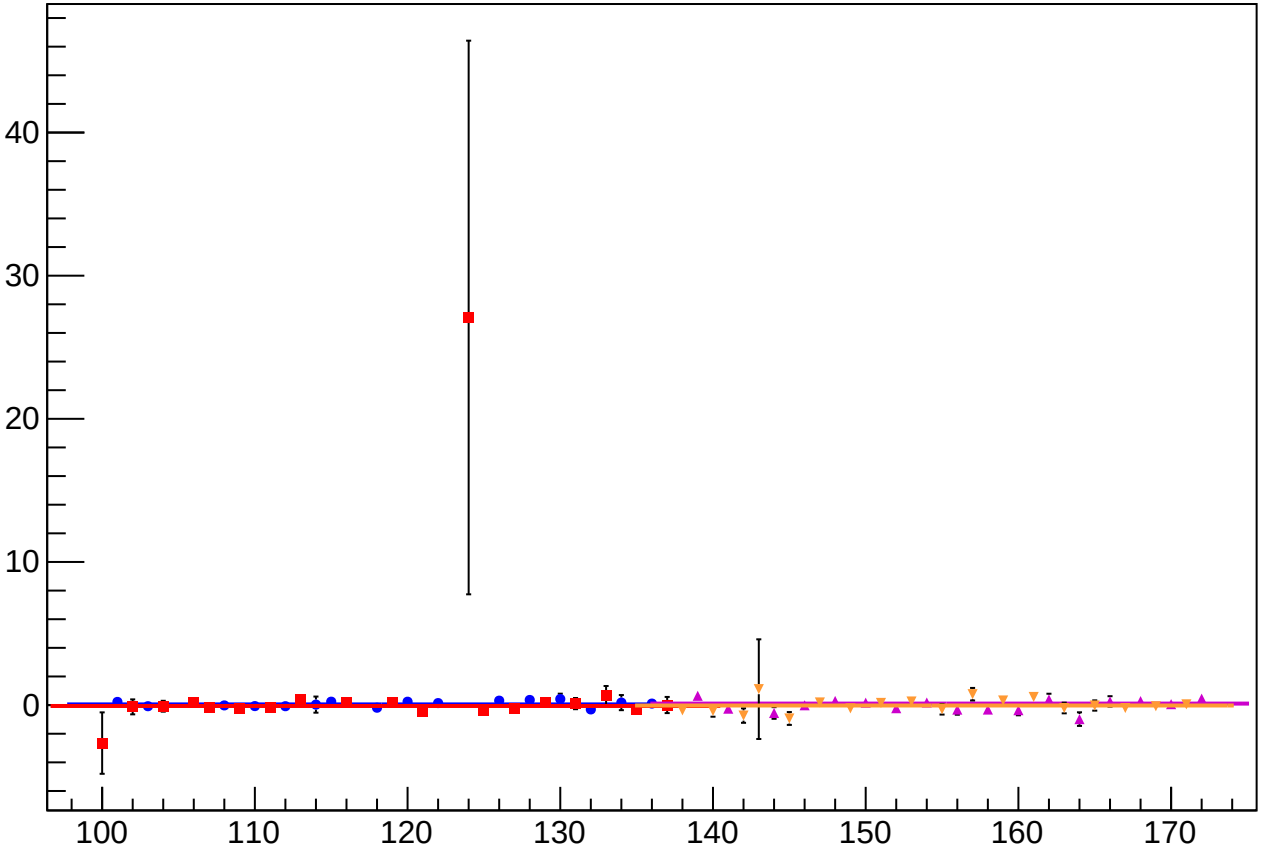
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 206.517+/-0.034 χ^2/NDF:4677365.5/32

Out: 198.510+/-0.034 χ^2/NDF:7295176.4/36

All: 202.495+/-0.024 χ^2/NDF: 12000086.8/69

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: -0.027+/-0.072 χ^2/NDF:19.4/17

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.106+/-0.071 χ^2/NDF:25.3/16

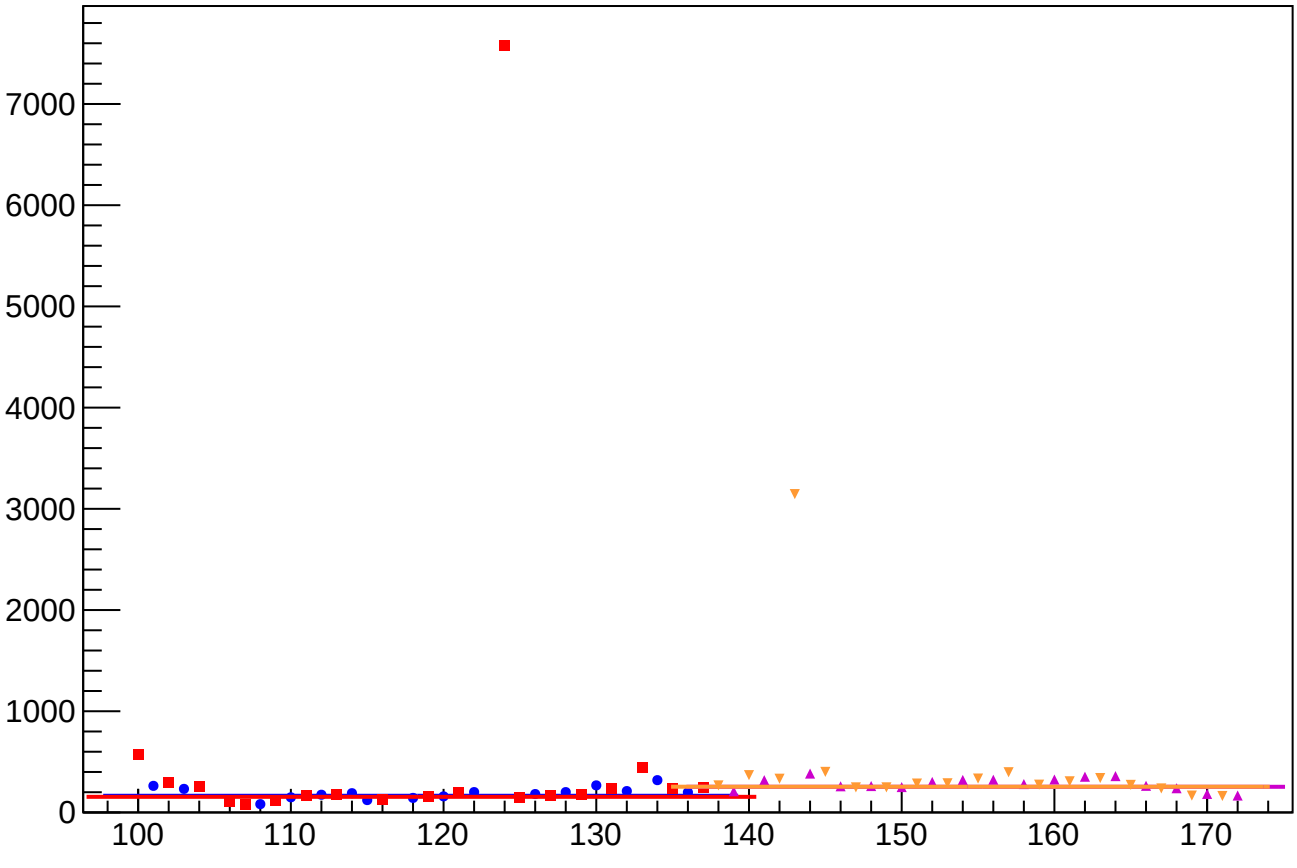
Left: 0.041+/-0.051 χ^2/NDF: 46.4/34

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.075+/-0.048 χ^2/NDF:33.2/32

Out: -0.046+/-0.048 χ^2/NDF:38.0/36

All: 0.014+/-0.034 χ^2/NDF: 74.4/69



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 254.347+/-0.051 χ^2/NDF:3247174.3/17

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 253.541+/-0.050 χ^2/NDF:1527318.7/16

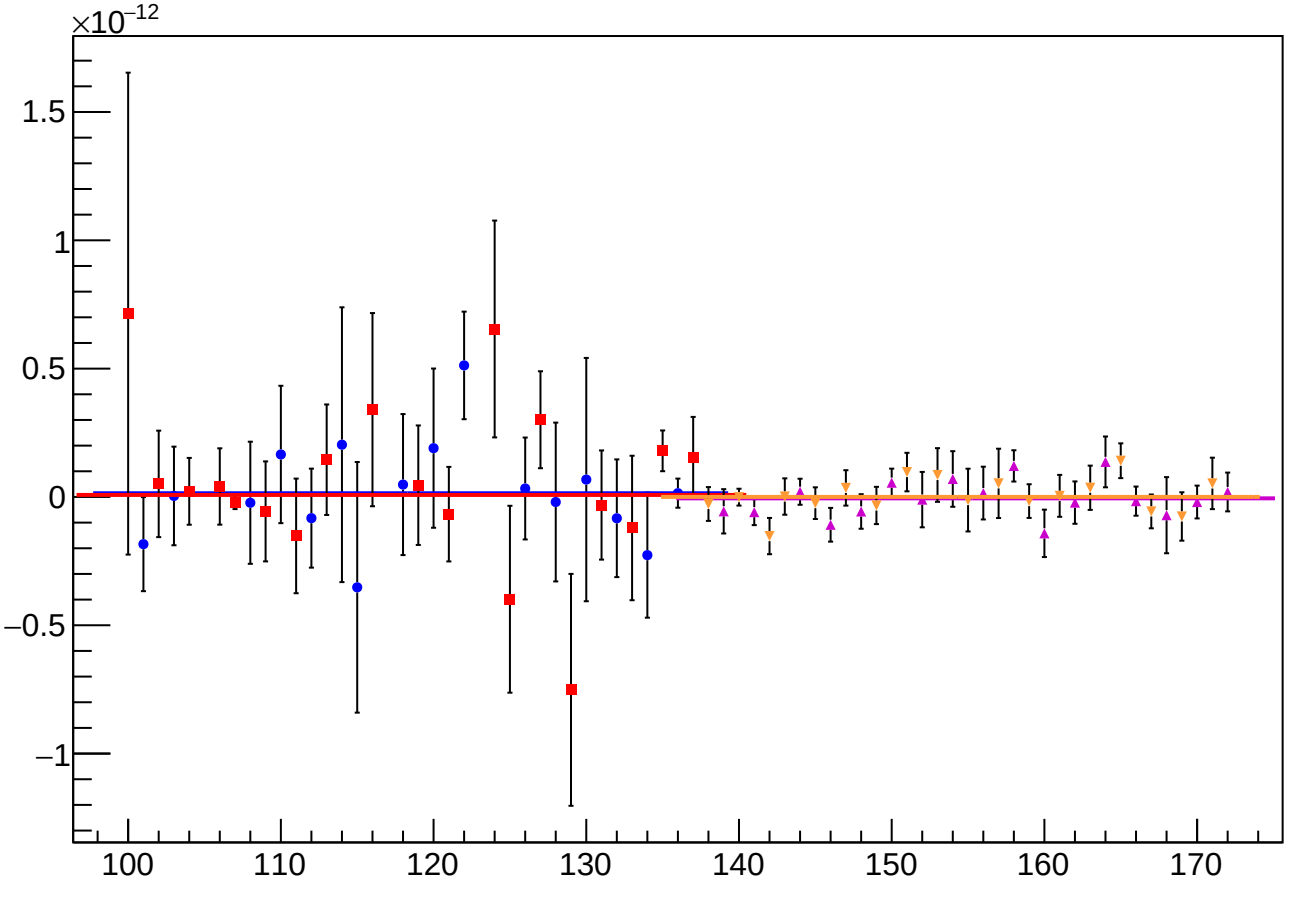
Left: 253.934+/-0.036 χ^2/NDF: 4774619.9/34

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 206.517+/-0.034 χ^2/NDF:4677365.5/32

Out: 198.510+/-0.034 χ^2/NDF:7295176.4/36

All: 202.495+/-0.024 χ^2/NDF: 12000086.8/69



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:15.5/16

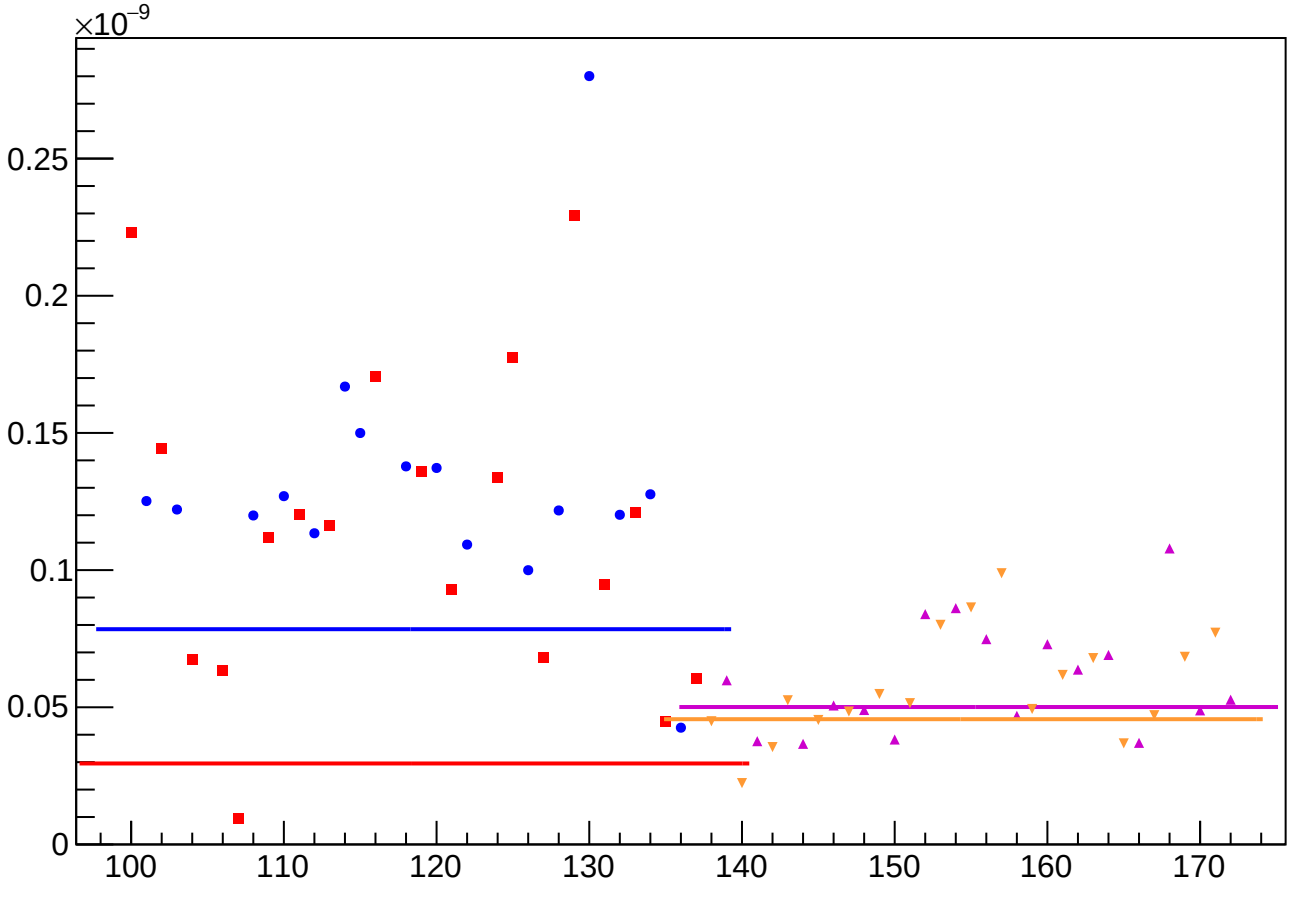
Left: -0.000+/-0.000 χ^2/NDF: 29.7/34

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:32.6/36

All: 0.000+/-0.000 χ^2/NDF: 58.0/69



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2431351.9/17

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: 4085744.5/34

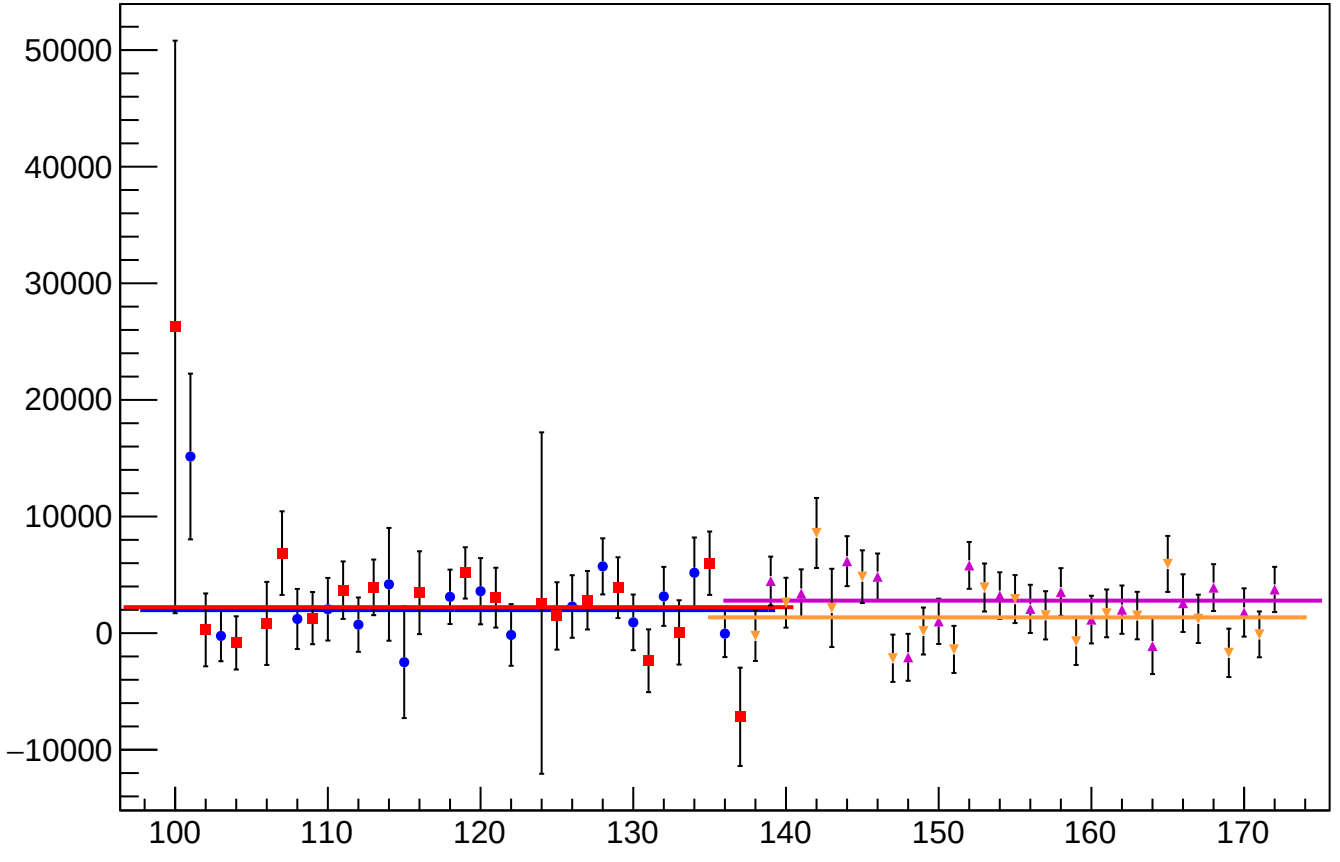
Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:4455558.0/32

Out: 0.000+/-0.000 χ^2/NDF:8578199.9/36

All: 0.000+/-0.000 χ^2/NDF: 13924253.5/69

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1352.047+/-507.151 χ^2/NDF:23.8/17

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 2786.875+/-501.900 χ^2/NDF:17.7/16

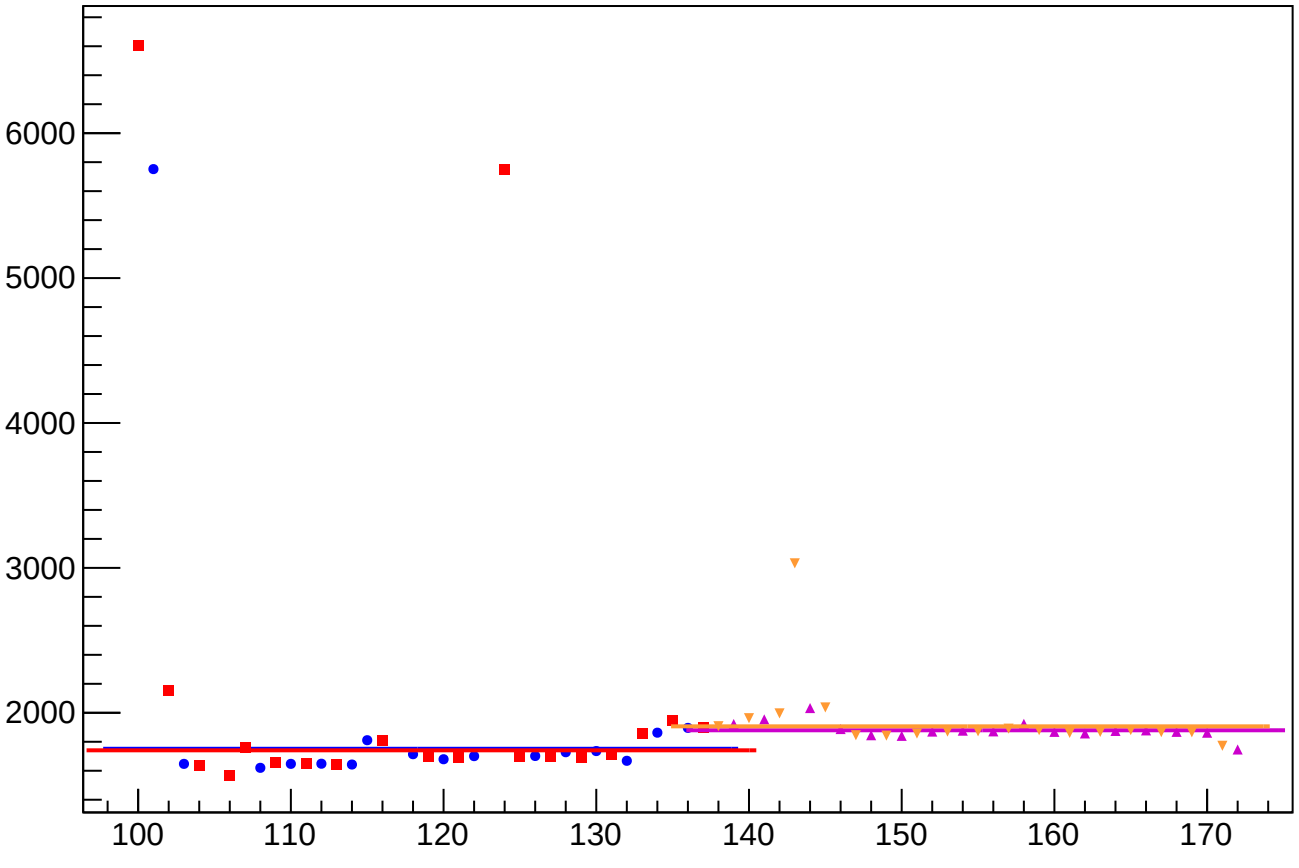
Left: 2076.927+/-356.739 χ^2/NDF: 45.6/34

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2494.234+/-401.198 χ^2/NDF:30.8/32

Out: 1678.871+/-401.295 χ^2/NDF:43.9/36

All: 2086.651+/-283.724 χ^2/NDF: 76.7/69



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1906.466+/-0.359 χ^2/NDF:254092.0/17

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1879.337+/-0.355 χ^2/NDF:25976.8/16

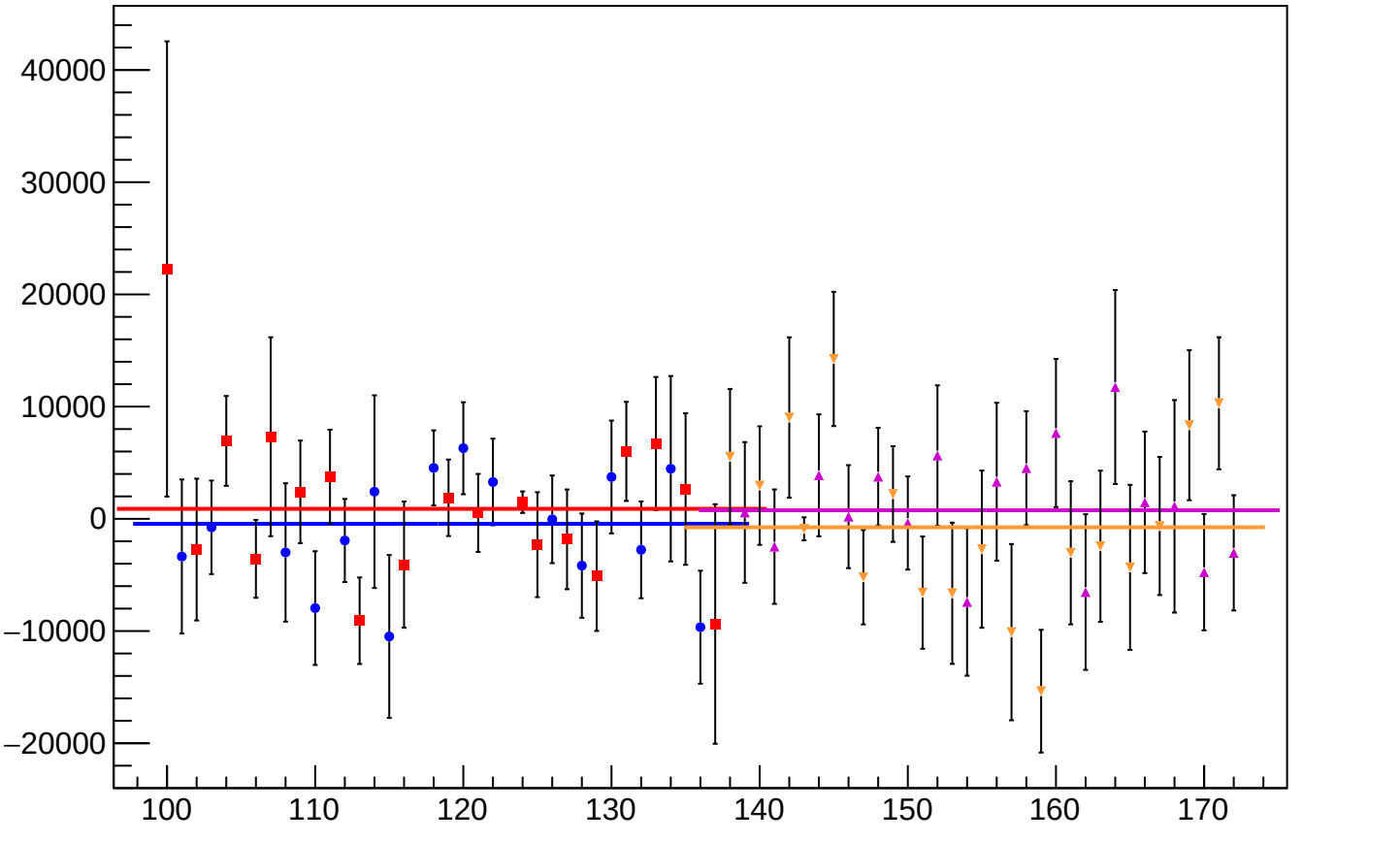
Left: 1892.761+/-0.252 χ^2/NDF: 282960.2/34

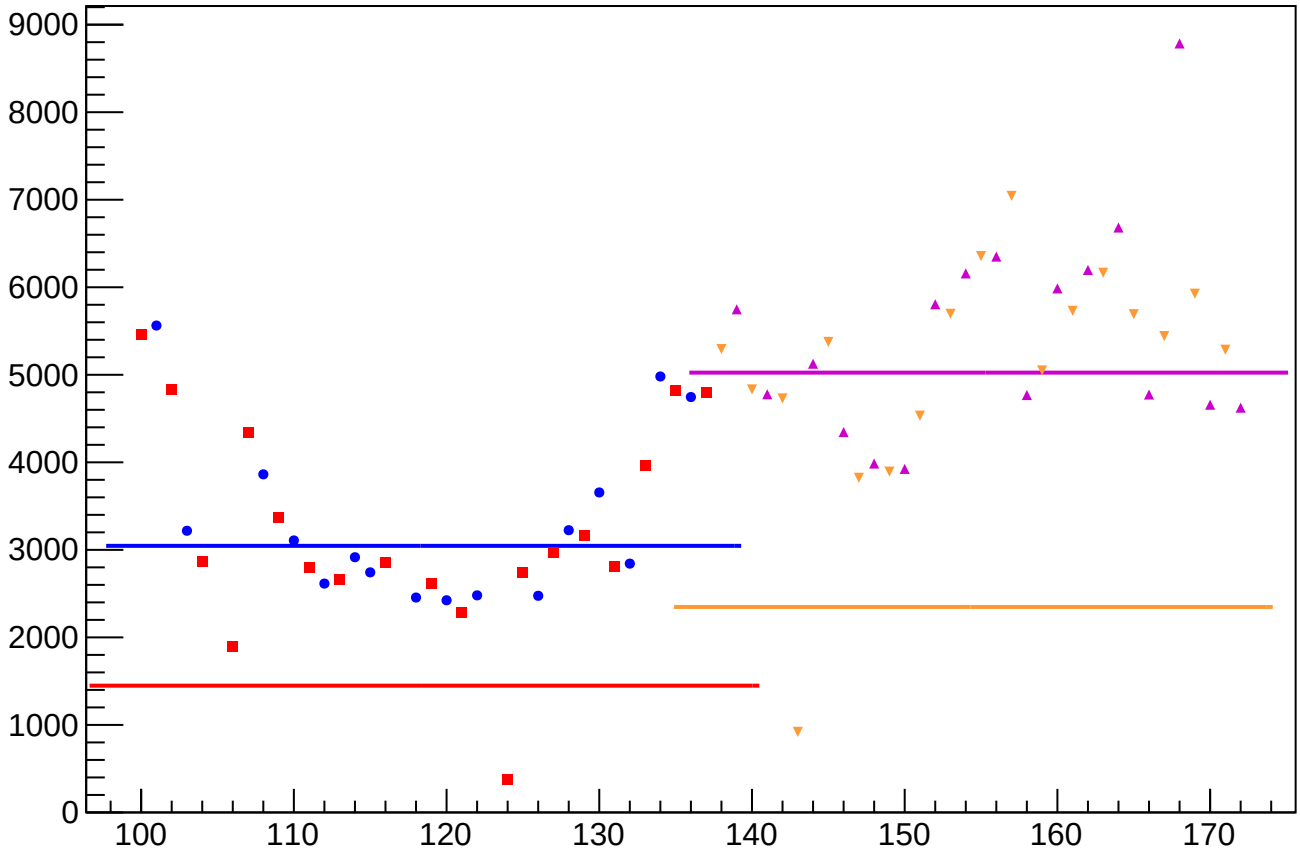
Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1833.223+/-0.284 χ^2/NDF:743393.8/32

Out: 1844.047+/-0.283 χ^2/NDF:639034.1/36

All: 1838.649+/-0.200 χ^2/NDF: 1383157.7/69


asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -444.273+/-1174.448 χ²/NDF: 15.9/15
Left Out: -750.570+/-828.471 χ²/NDF:28.0/17
Right Out: 892.237+/-725.737 χ²/NDF: 20.1/18
Left In: 761.003+/-1370.544 χ²/NDF:9.6/16
Left: -346.052+/-709.002 χ²/NDF: 38.5/34
Right: 522.917+/-617.375 χ²/NDF: 36.9/34
In: 66.045+/-891.805 χ²/NDF:26.0/32
Out: 178.952+/-545.903 χ²/NDF:50.3/36
All: 148.176+/-465.597 χ²/NDF: 76.3/69



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2347.651+/-0.586 χ^2/NDF:12063654.2/17

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 5024.838+/-0.969 χ^2/NDF:1011138.6/16

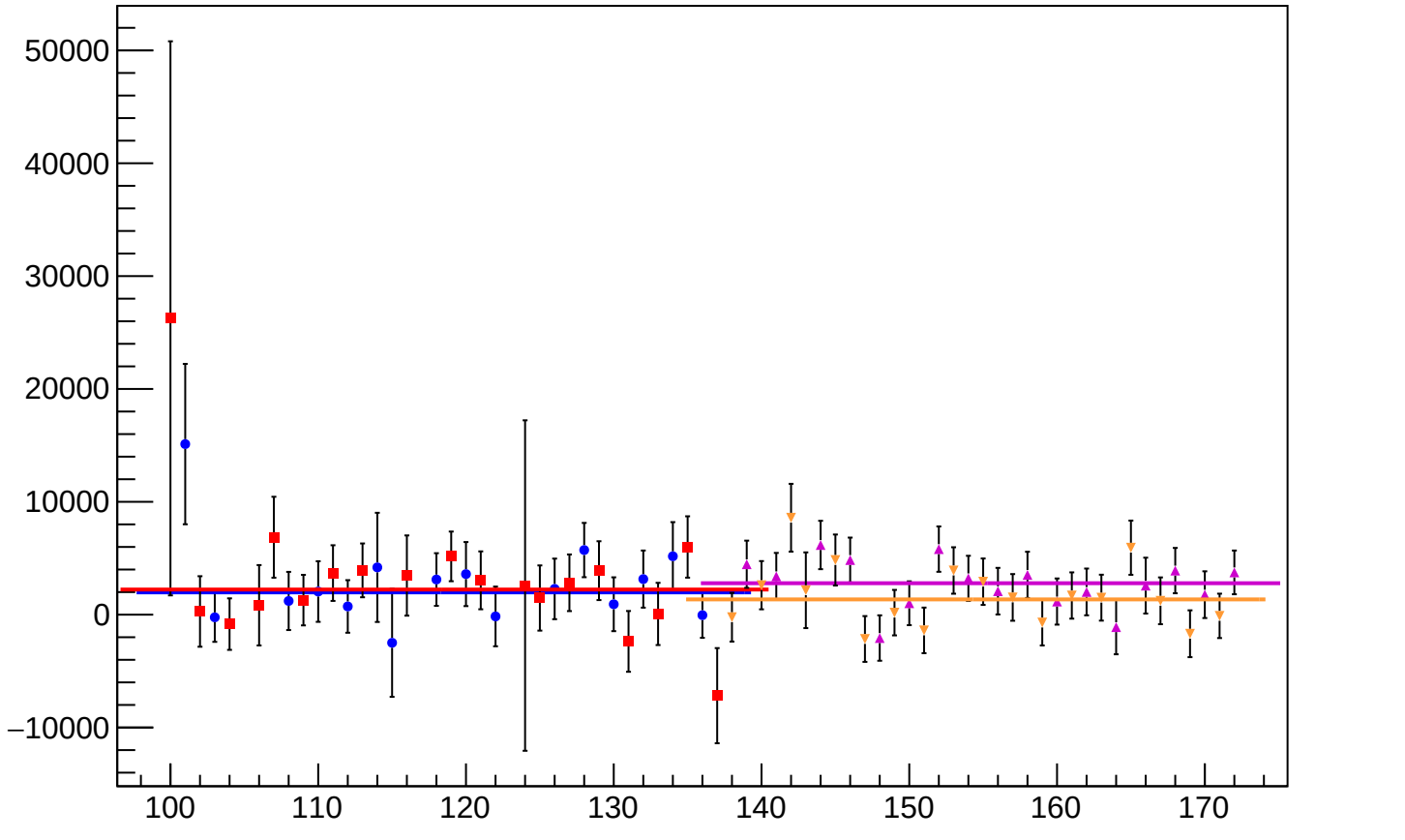
Left: 3064.104+/-0.501 χ^2/NDF: 18663885.7/34

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3883.798+/-0.631 χ^2/NDF:4322737.1/32

Out: 1838.911+/-0.386 χ^2/NDF:20183473.5/36

All: 2396.290+/-0.329 χ^2/NDF: 32155461.3/6



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1352.036+/-507.151 χ^2/NDF:23.8/17

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2786.948+/-501.900 χ^2/NDF:17.7/16

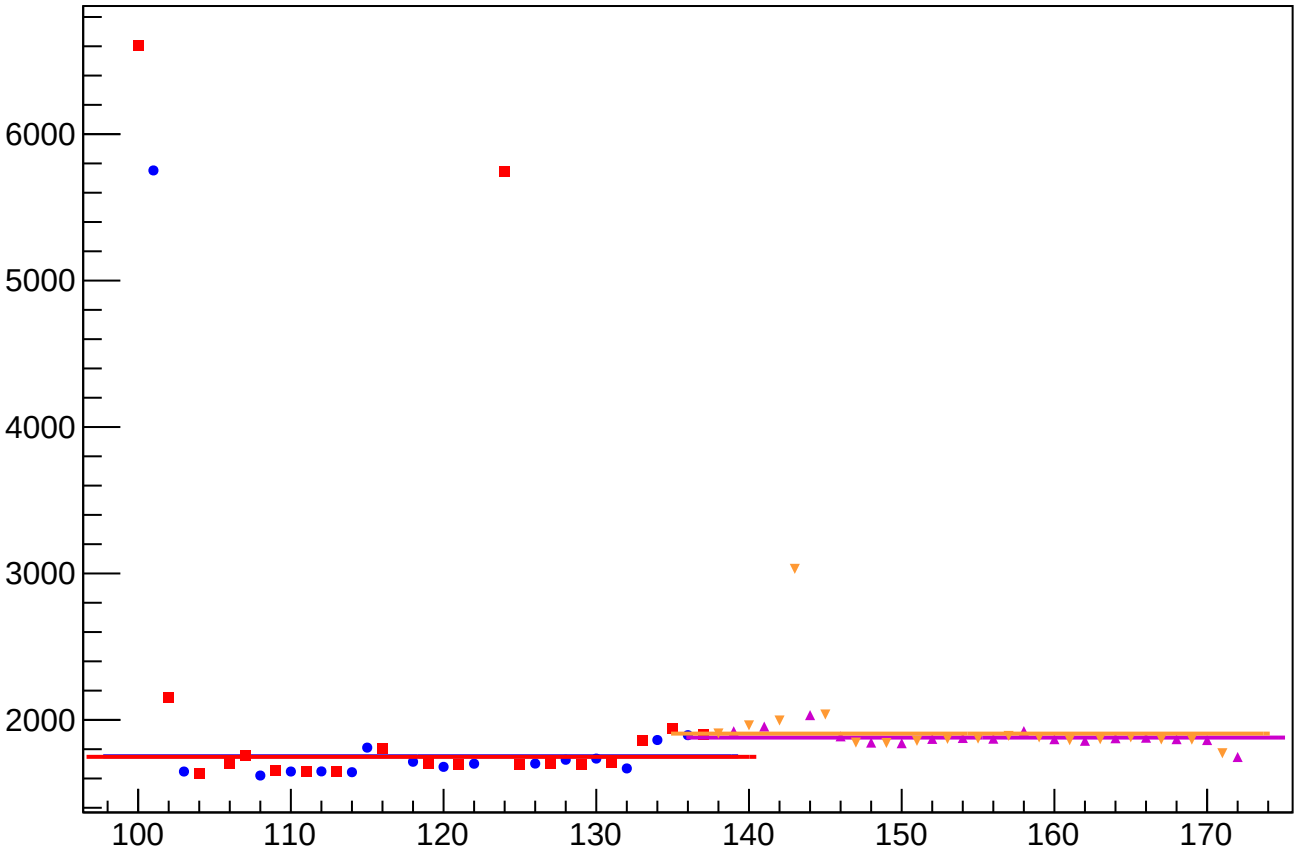
Left: 2076.959+/-356.739 χ^2/NDF: 45.6/34

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2494.153+/-401.198 χ^2/NDF:30.8/32

Out: 1678.900+/-401.295 χ^2/NDF:43.9/36

All: 2086.626+/-283.724 χ^2/NDF: 76.7/69



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1906.466+/-0.359 χ^2/NDF:254092.0/17

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1879.337+/-0.355 χ^2/NDF:25976.8/16

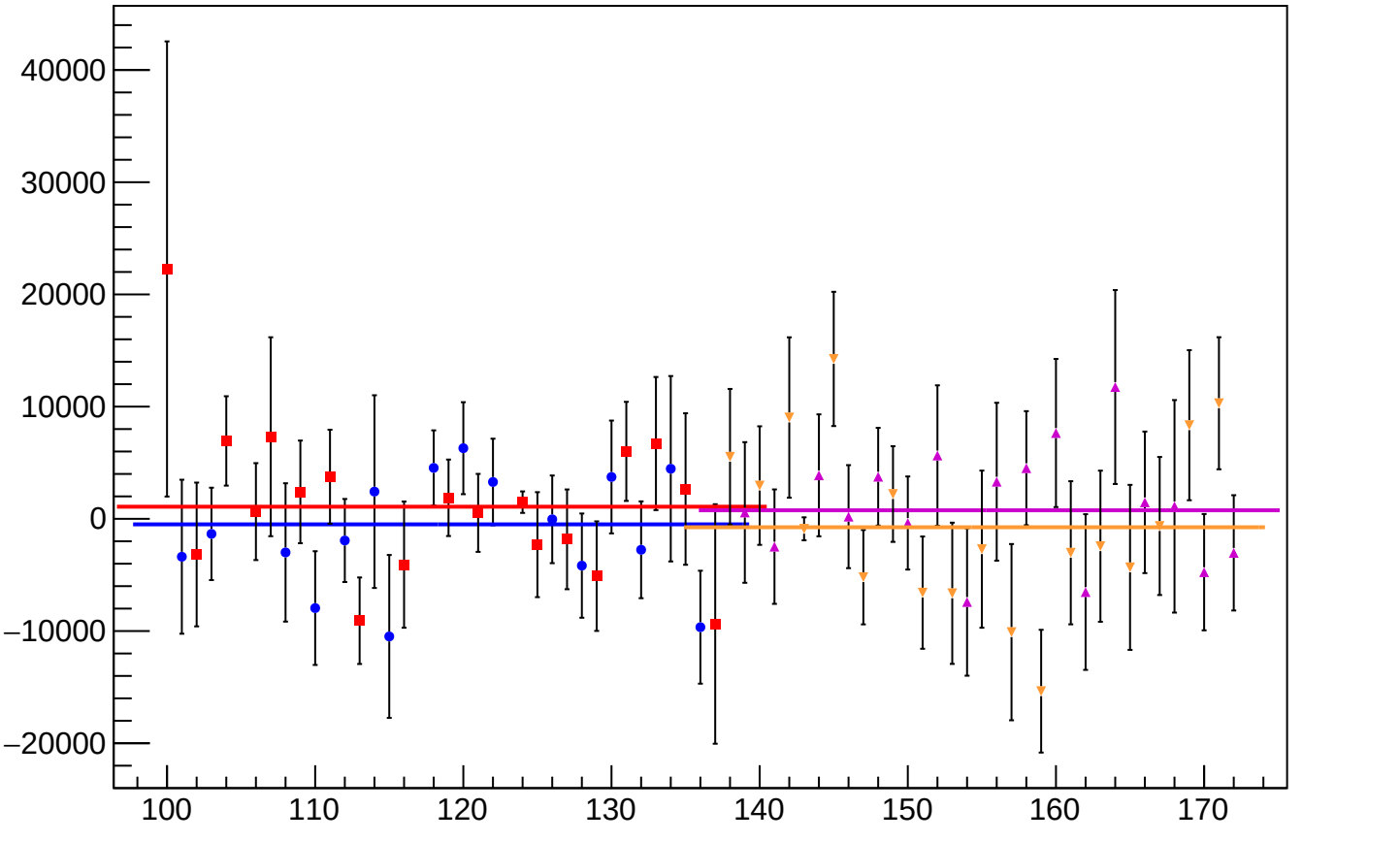
Left: 1892.761+/-0.252 χ^2/NDF: 282960.2/34

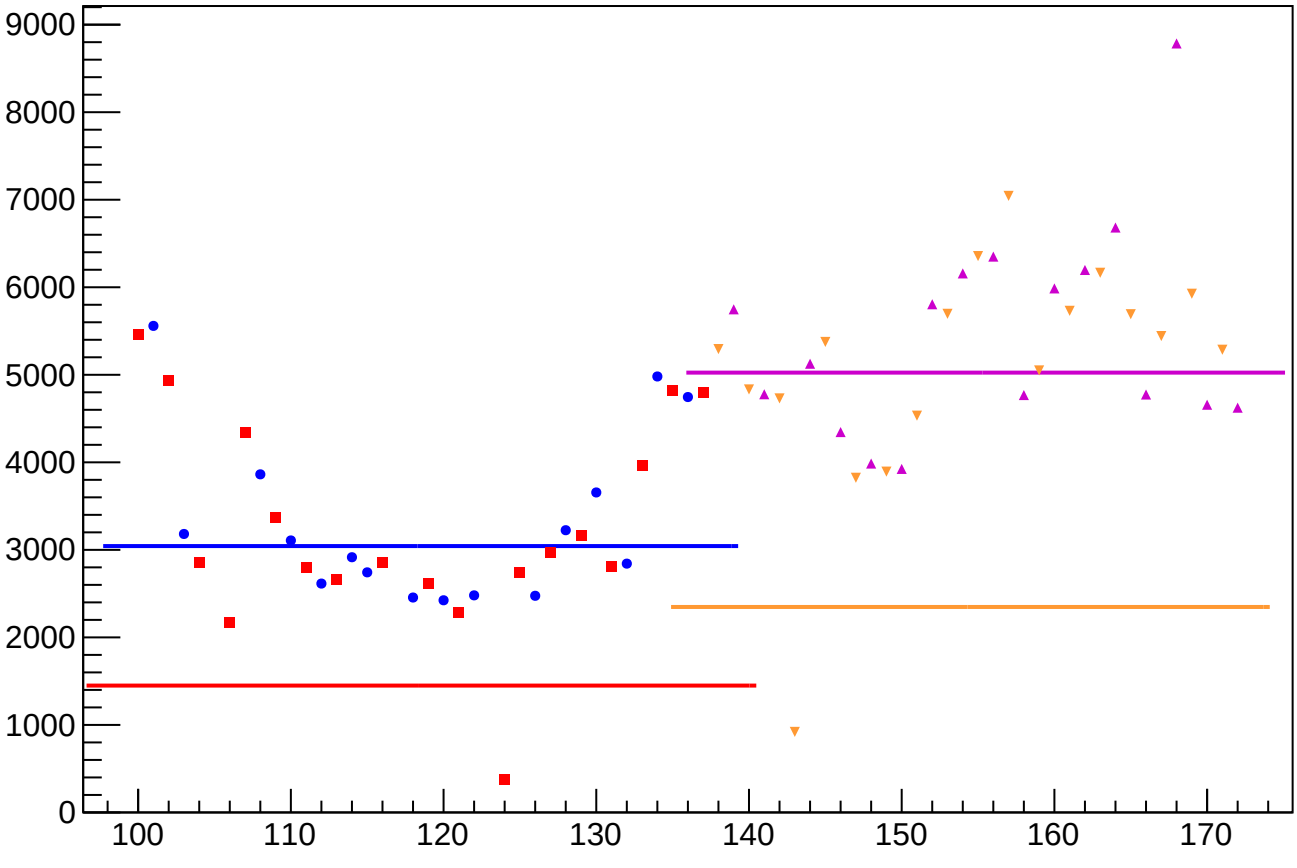
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1833.223+/-0.284 χ^2/NDF:743394.2/32

Out: 1846.859+/-0.283 χ^2/NDF:625559.0/36

All: 1840.049+/-0.200 χ^2/NDF: 1370109.8/69


asym_atr1l2_avg_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -492.916+/-1173.239 χ²/NDF: 16.0/15
Left Out: -750.414+/-828.449 χ²/NDF:28.0/17
Right Out: 1080.924+/-731.458 χ²/NDF: 18.5/18
Left In: 761.065+/-1370.544 χ²/NDF:9.6/16
Left: -345.937+/-708.988 χ²/NDF: 38.5/34
Right: 640.409+/-620.707 χ²/NDF: 35.7/34
In: 37.393+/-891.275 χ²/NDF:26.1/32
Out: 278.684+/-548.319 χ²/NDF:49.2/36
All: 212.434+/-467.018 χ²/NDF: 75.4/69



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2347.550+/-0.586 χ^2/NDF:12064176.4/17

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 5024.837+/-0.969 χ^2/NDF:1011138.0/16

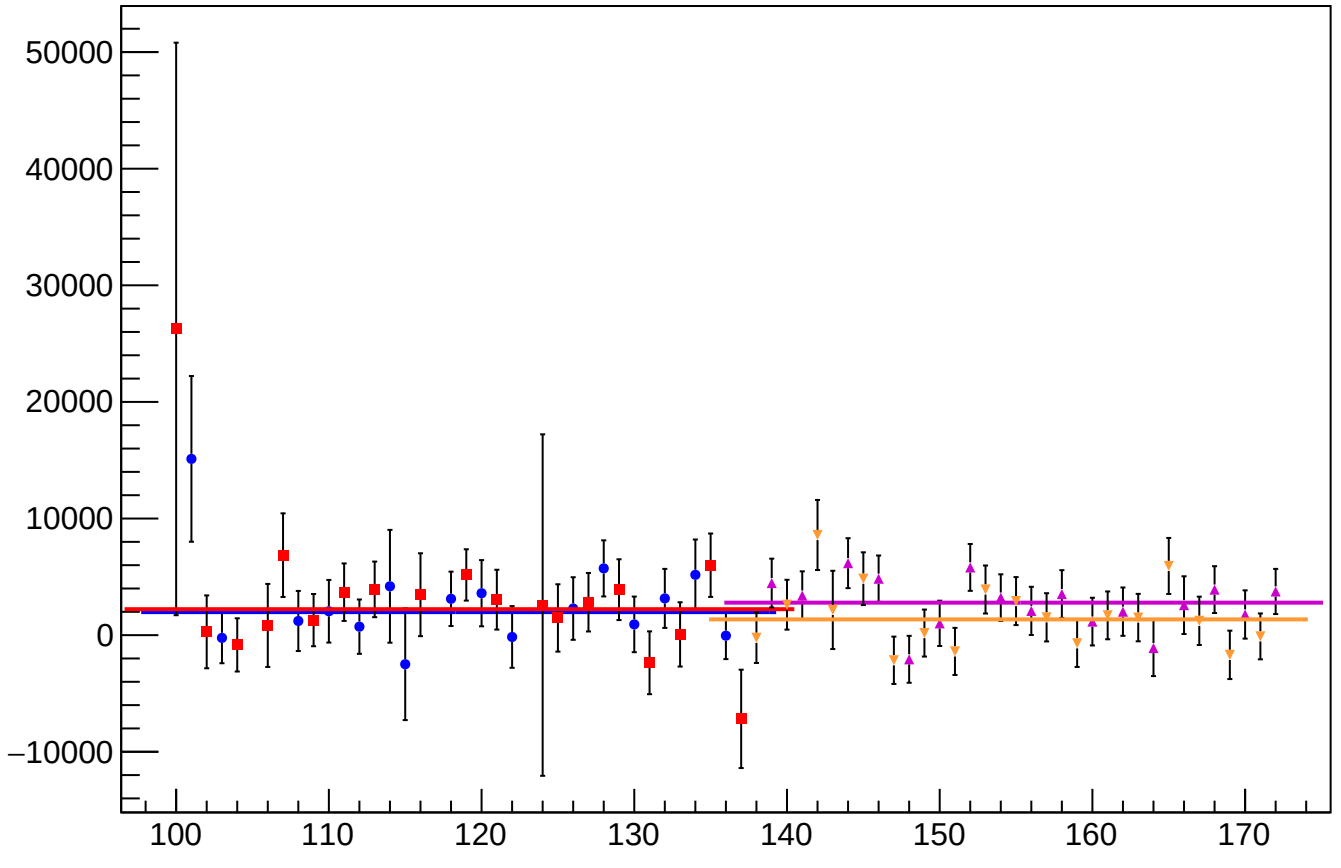
Left: 3064.001+/-0.501 χ^2/NDF: 18664909.6/34

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3881.275+/-0.630 χ^2/NDF:4329547.8/32

Out: 1842.911+/-0.388 χ^2/NDF:20210496.7/36

All: 2402.571+/-0.330 χ^2/NDF: 32128780.0/6



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1352.036+/-507.151 χ^2/NDF:23.8/17

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2786.948+/-501.900 χ^2/NDF:17.7/16

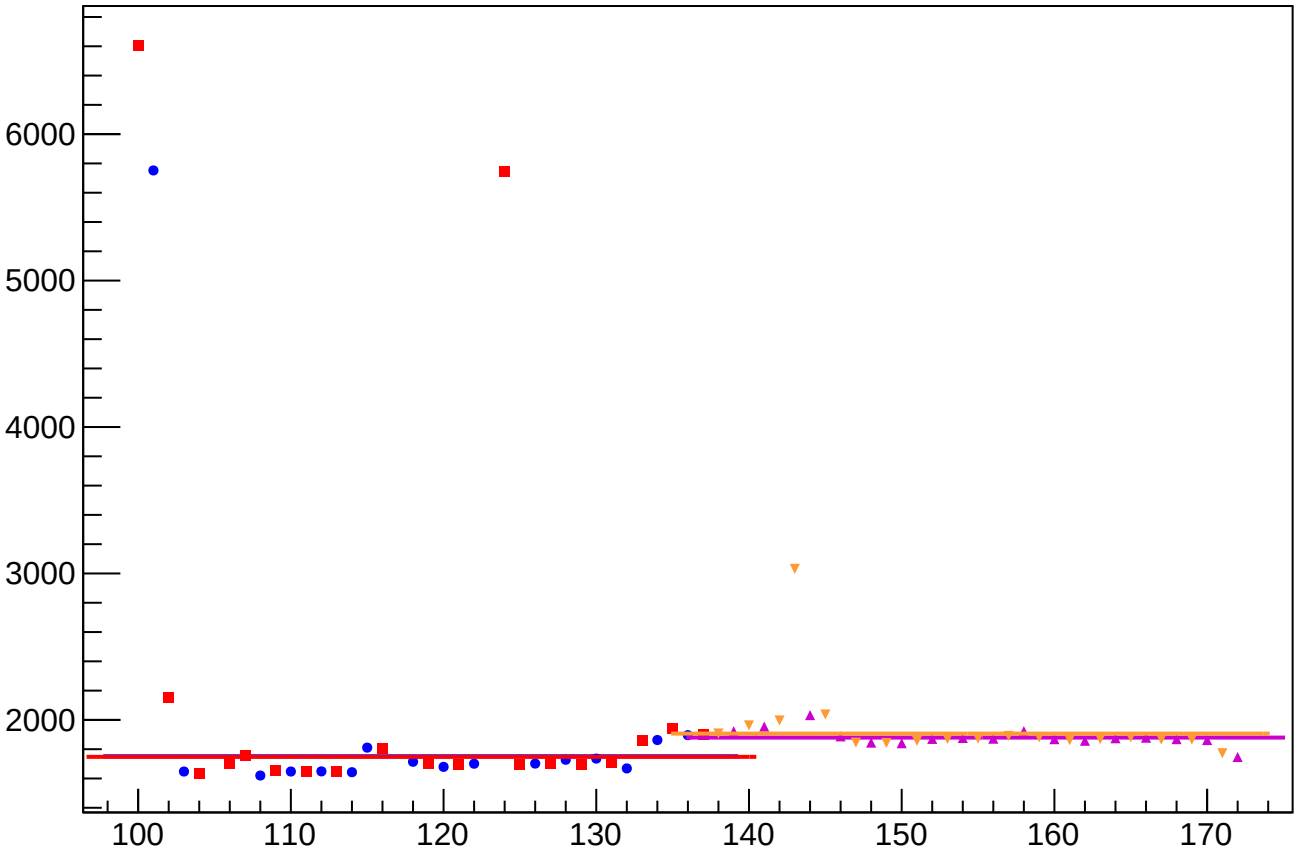
Left: 2076.959+/-356.739 χ^2/NDF: 45.6/34

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2494.153+/-401.198 χ^2/NDF:30.8/32

Out: 1678.900+/-401.295 χ^2/NDF:43.9/36

All: 2086.626+/-283.724 χ^2/NDF: 76.7/69



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1906.466+/-0.359 χ^2/NDF:254092.0/17

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1879.337+/-0.355 χ^2/NDF:25976.8/16

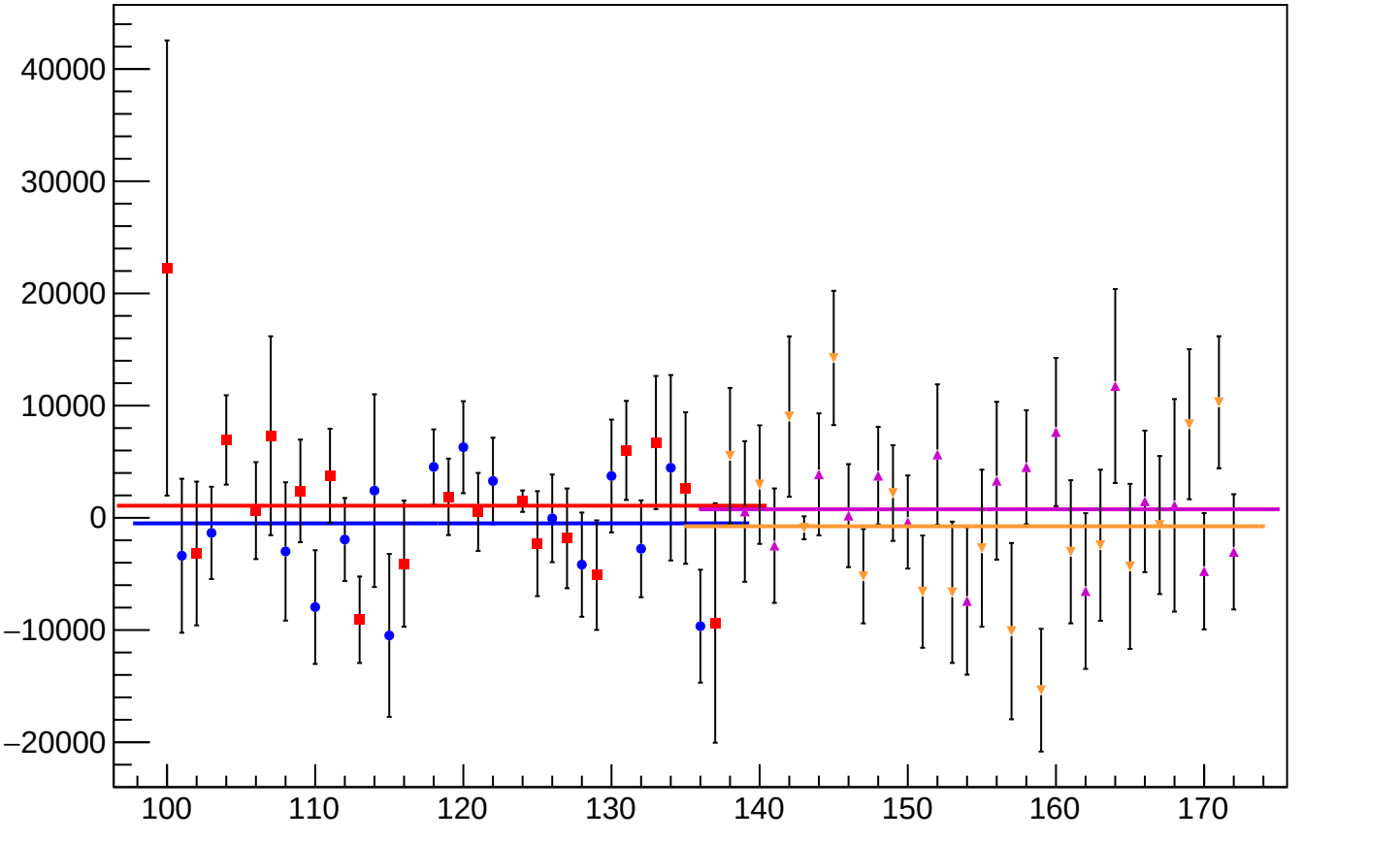
Left: 1892.761+/-0.252 χ^2/NDF: 282960.2/34

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1833.223+/-0.284 χ^2/NDF:743394.2/32

Out: 1846.859+/-0.283 χ^2/NDF:625559.0/36

All: 1840.049+/-0.200 χ^2/NDF: 1370109.8/69



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -750.414+/-828.449 χ^2/NDF:28.0/17

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: -345.937+/-708.988 χ^2/NDF: 38.5/34

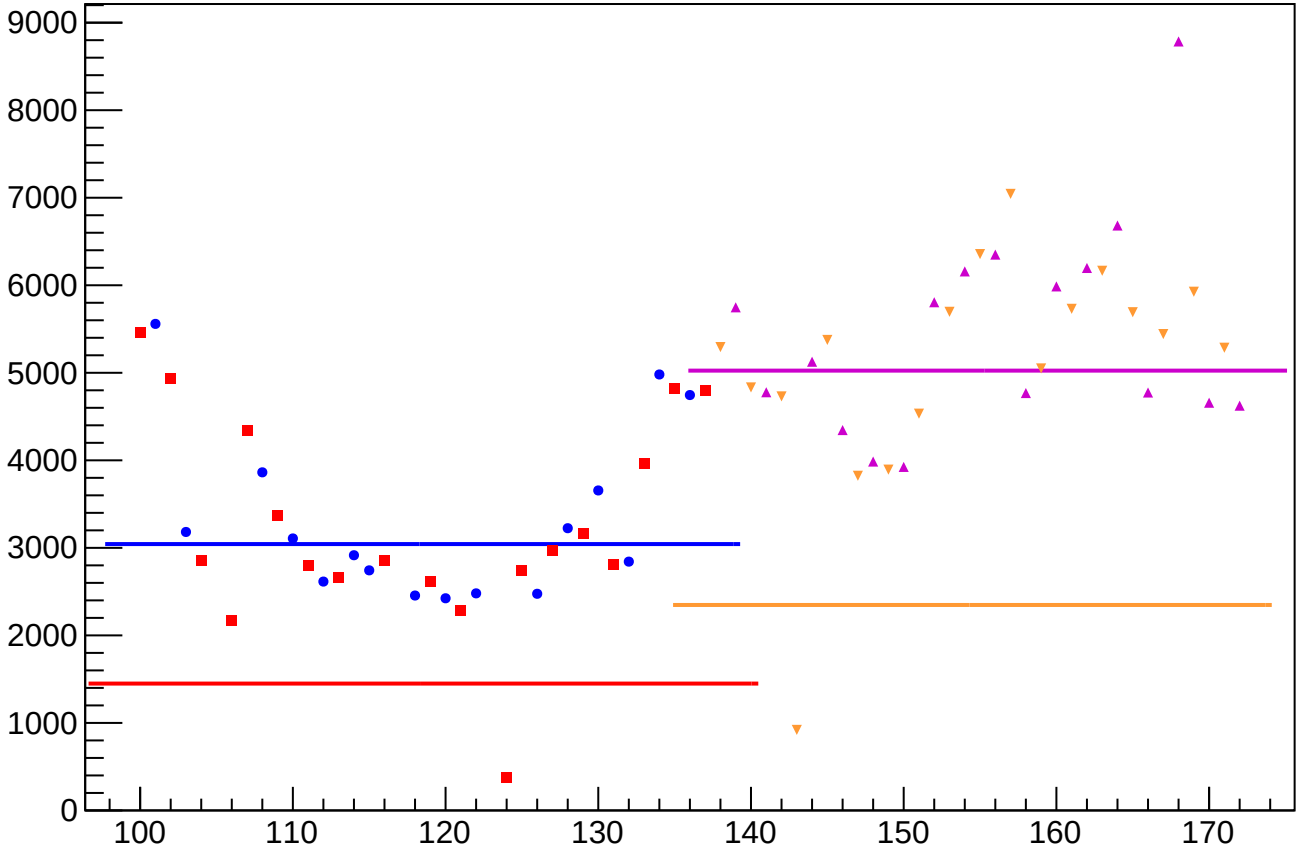
Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 37.393+/-891.275 χ^2/NDF:26.1/32

Out: 278.684+/-548.319 χ^2/NDF:49.2/36

All: 212.434+/-467.018 χ^2/NDF: 75.4/69

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2347.550+/-0.586 χ^2/NDF:12064176.4/17

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: 3064.001+/-0.501 χ^2/NDF: 18664909.6/34

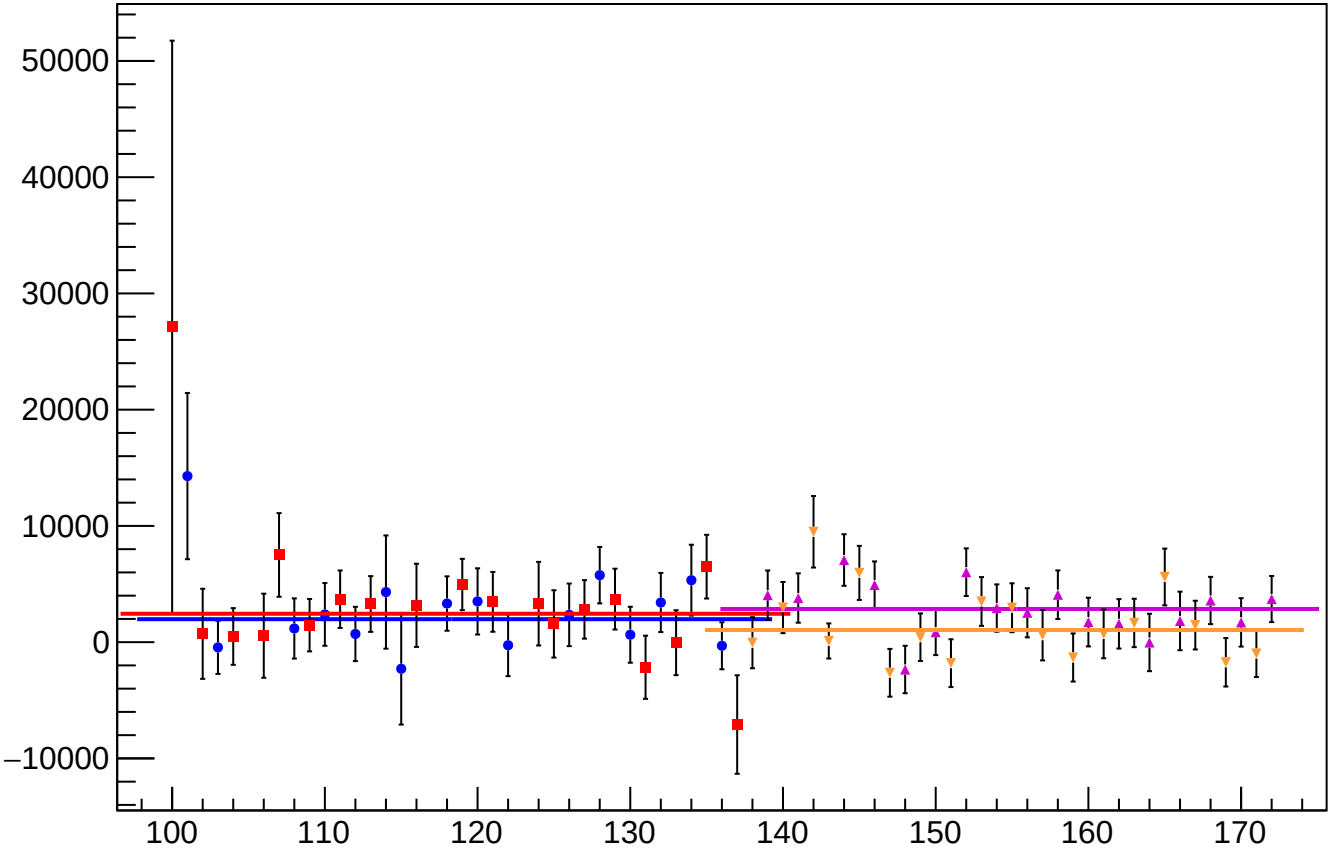
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3881.275+/-0.630 χ^2/NDF:4329547.8/32

Out: 1842.911+/-0.388 χ^2/NDF:20210496.7/36

All: 2402.571+/-0.330 χ^2/NDF: 32128780.0/6

dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1046.212+/-494.972 χ^2/NDF:28.6/17

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2856.101+/-511.667 χ^2/NDF:18.3/16

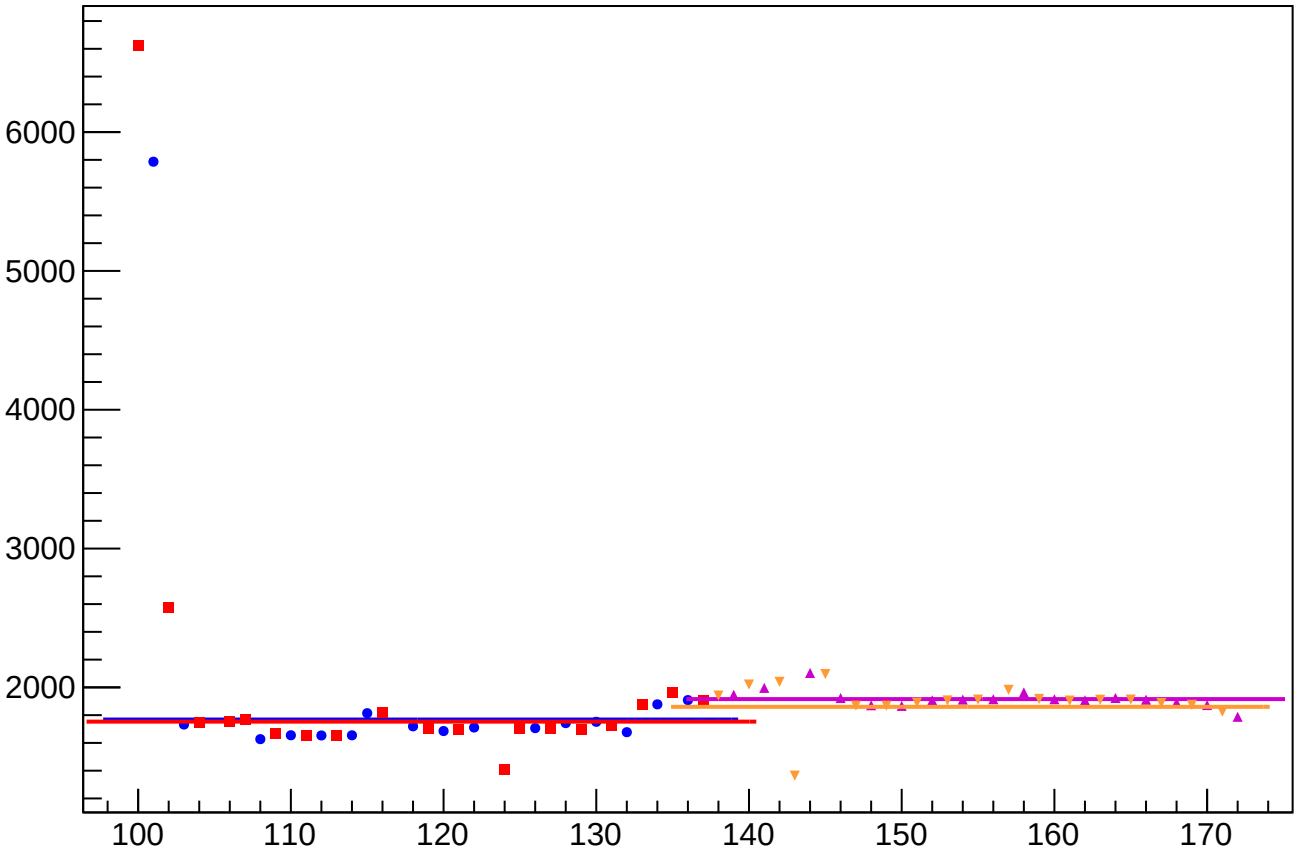
Left: 1921.148+/-355.754 χ^2/NDF: 53.3/34

Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2534.312+/-407.556 χ^2/NDF:31.8/32

Out: 1551.718+/-395.483 χ^2/NDF:49.0/36

All: 2028.246+/-283.821 χ^2/NDF: 83.7/69



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1859.937+/-0.350 χ^2/NDF:271085.2/17

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1915.683+/-0.362 χ^2/NDF:30509.1/16

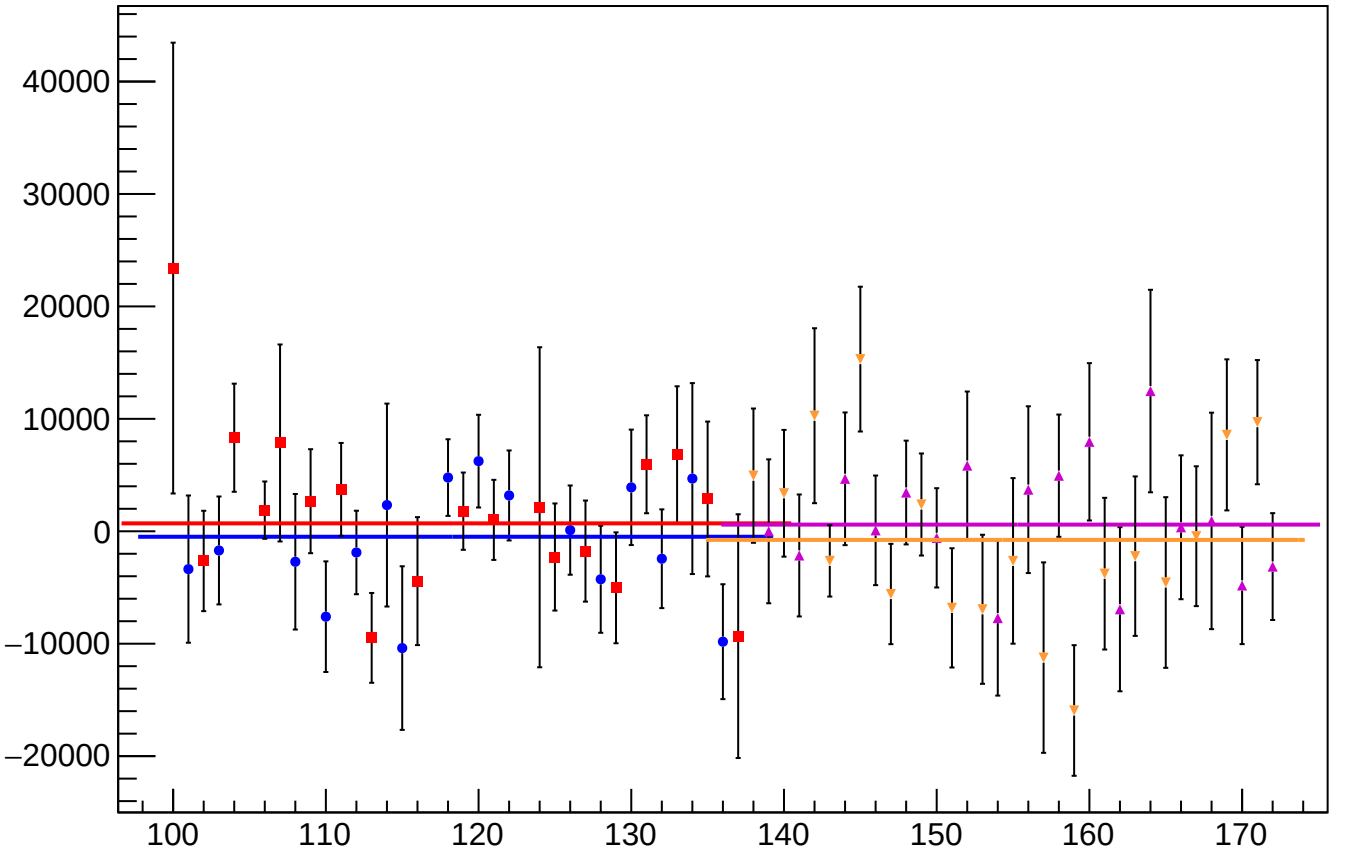
Left: 1886.886+/-0.252 χ^2/NDF: 313858.0/34

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1861.873+/-0.288 χ^2/NDF:758387.1/32

Out: 1821.276+/-0.279 χ^2/NDF:523578.0/36

All: 1840.945+/-0.201 χ^2/NDF: 1292195.2/69



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -767.140+/-1338.200 χ^2/NDF:28.3/17

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: 593.237+/-1426.609 χ^2/NDF:9.7/16

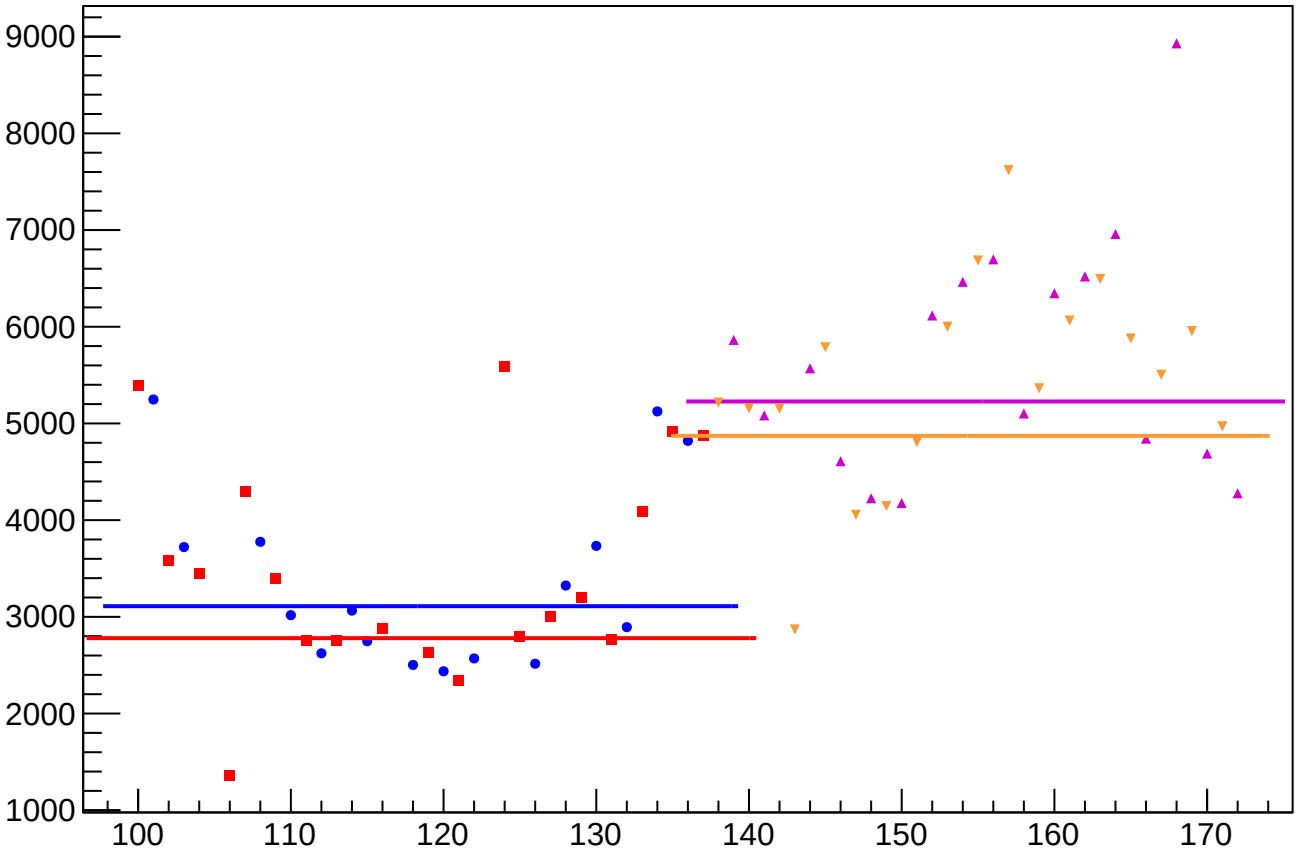
Left: -130.408+/-976.009 χ^2/NDF: 38.5/34

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: -40.691+/-917.653 χ^2/NDF:25.8/32

Out: 130.199+/-835.446 χ^2/NDF:47.9/36

All: 52.750+/-617.772 χ^2/NDF: 73.7/69



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4871.523+/-0.946 χ^2/NDF:1647505.3/17

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5227.137+/-1.009 χ^2/NDF:1040231.7/16

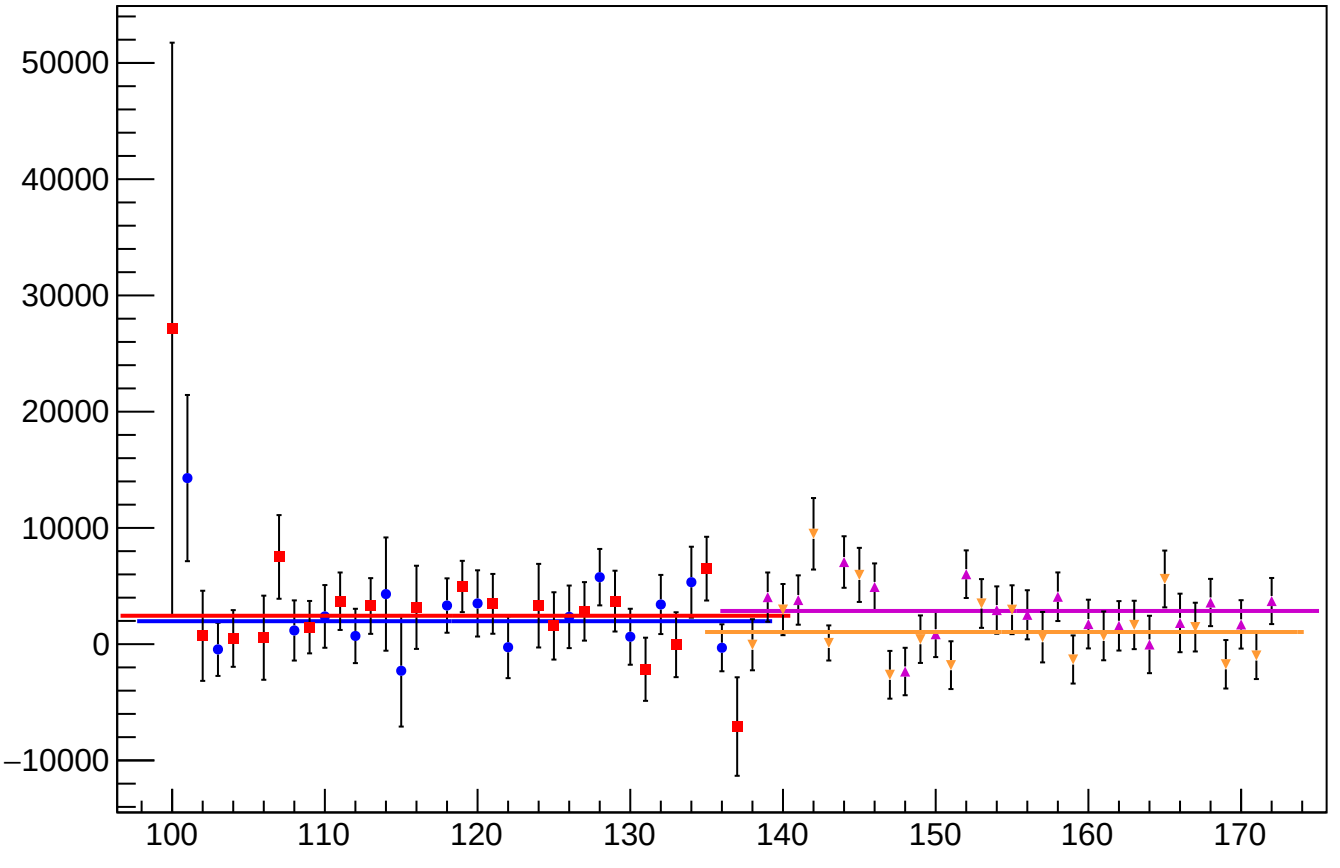
Left: 5037.970+/-0.690 χ^2/NDF: 2753843.8/34

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3986.061+/-0.649 χ^2/NDF:4505399.5/32

Out: 3594.962+/-0.591 χ^2/NDF:5978067.0/36

All: 3772.212+/-0.437 χ^2/NDF: 10682106.5/6



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1046.210+/-494.972 χ^2/NDF:28.6/17

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2856.101+/-511.667 χ^2/NDF:18.3/16

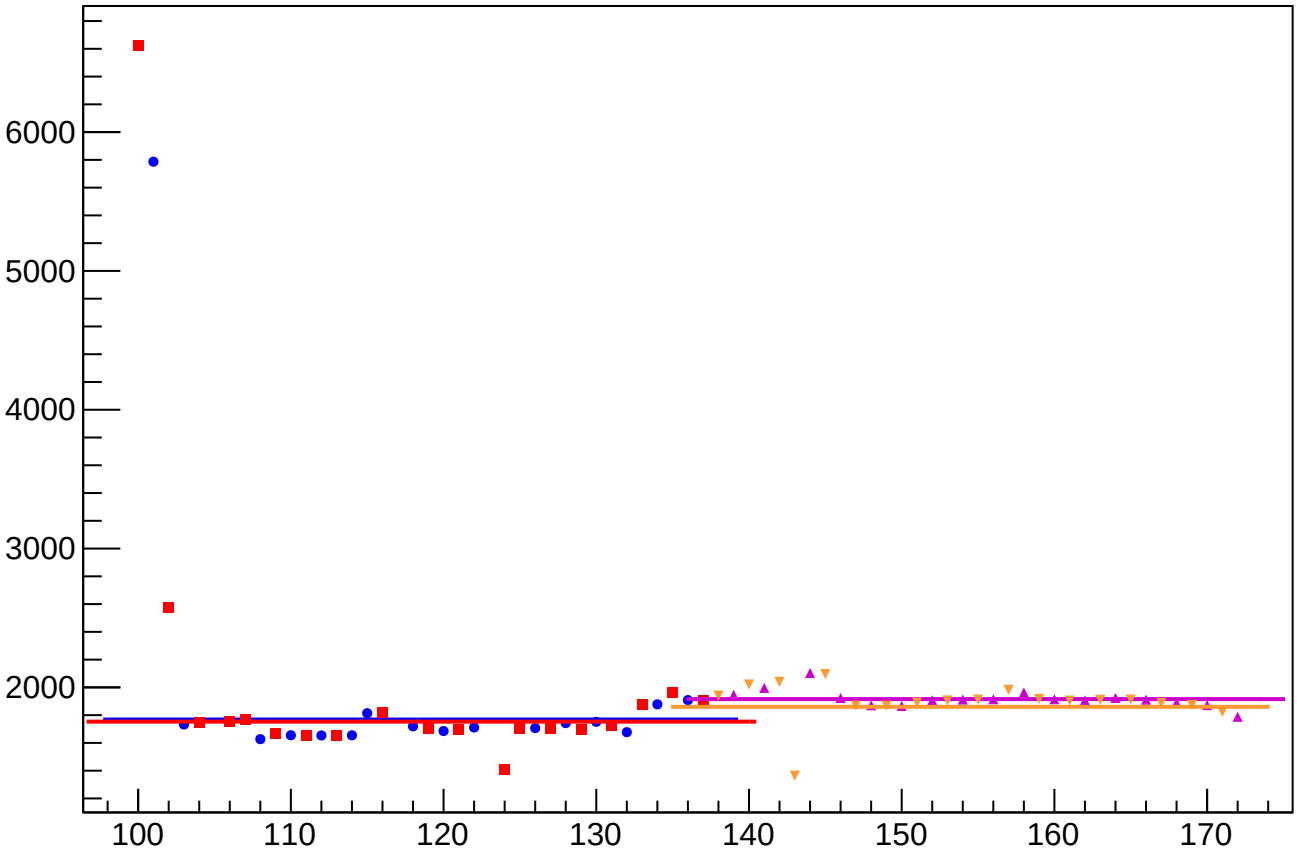
Left: 1921.146+/-355.754 χ^2/NDF: 53.3/34

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2534.312+/-407.556 χ^2/NDF:31.8/32

Out: 1551.717+/-395.483 χ^2/NDF:49.0/36

All: 2028.246+/-283.821 χ^2/NDF: 83.7/69



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1859.937+/-0.350 χ^2/NDF:271086.7/17

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1915.684+/-0.362 χ^2/NDF:30510.0/16

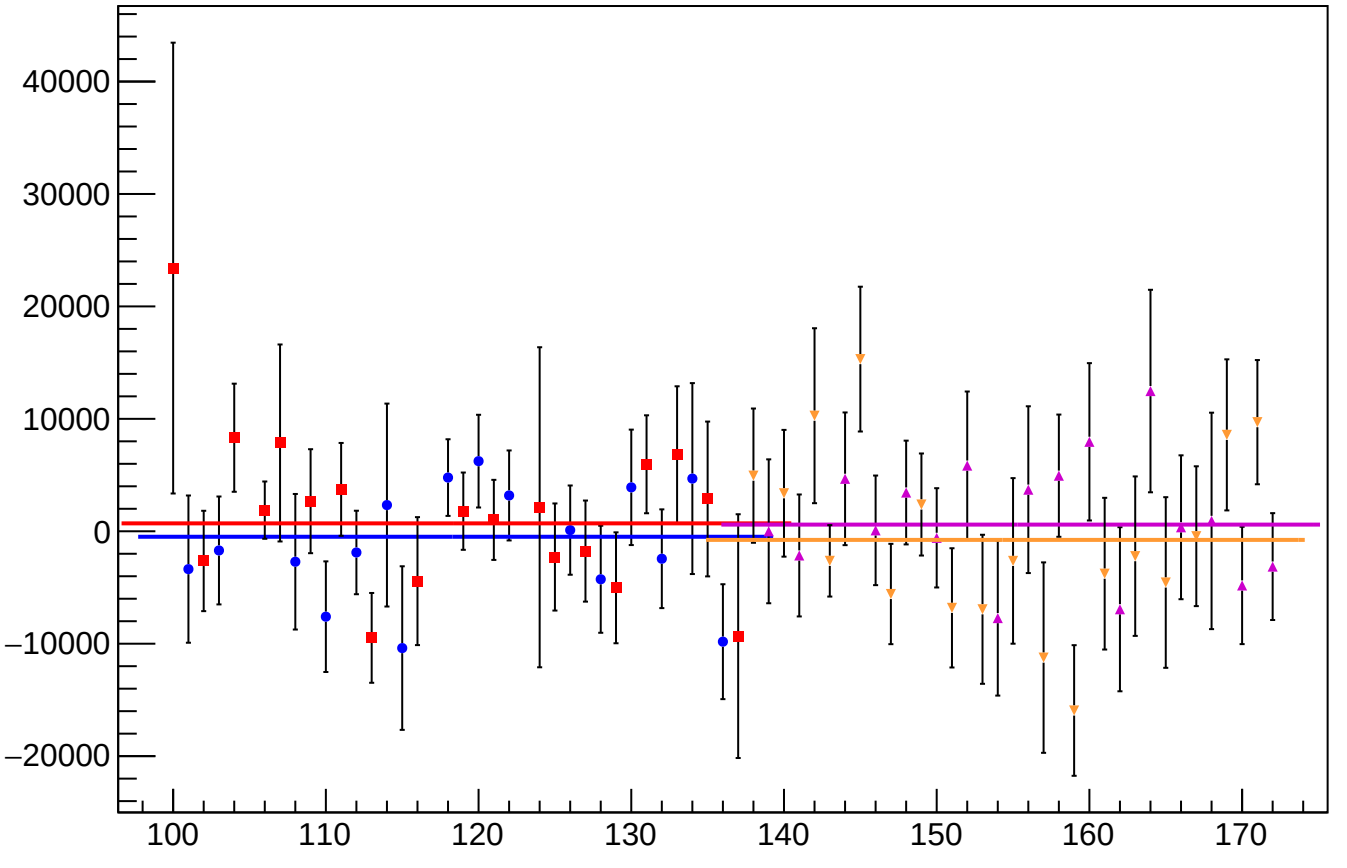
Left: 1886.886+/-0.252 χ^2/NDF: 313860.5/34

Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1861.874+/-0.288 χ^2/NDF:758388.5/32

Out: 1821.277+/-0.279 χ^2/NDF:523580.0/36

All: 1840.945+/-0.201 χ^2/NDF: 1292198.7/69



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -767.147+/-1338.202 χ^2/NDF:28.3/17

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 593.237+/-1426.611 χ^2/NDF:9.7/16

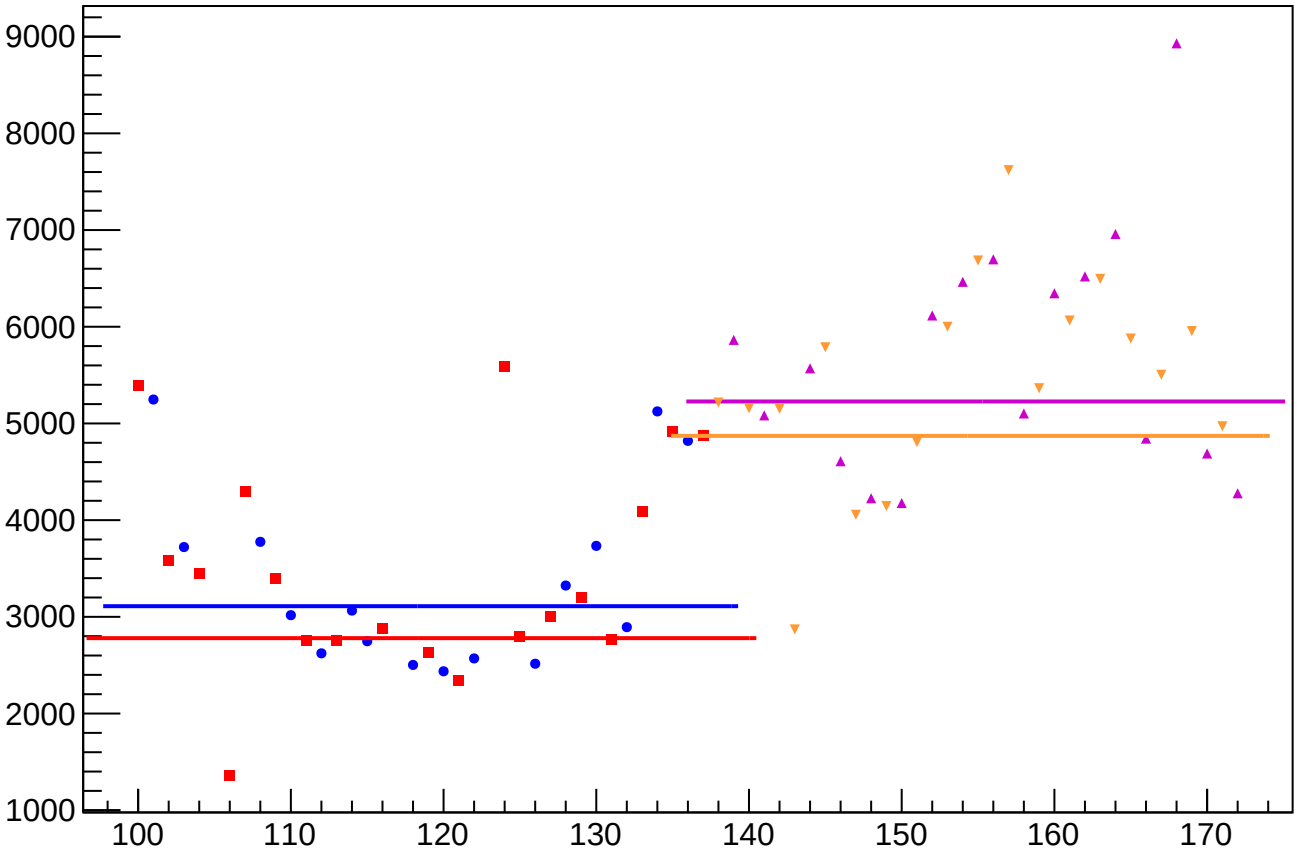
Left: -130.411+/-976.011 χ^2/NDF: 38.5/34

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -40.689+/-917.652 χ^2/NDF:25.8/32

Out: 130.201+/-835.445 χ^2/NDF:47.9/36

All: 52.752+/-617.771 χ^2/NDF: 73.7/69



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4871.528+/-0.946 χ^2/NDF:1647513.2/17

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5227.144+/-1.009 χ^2/NDF:1040233.6/16

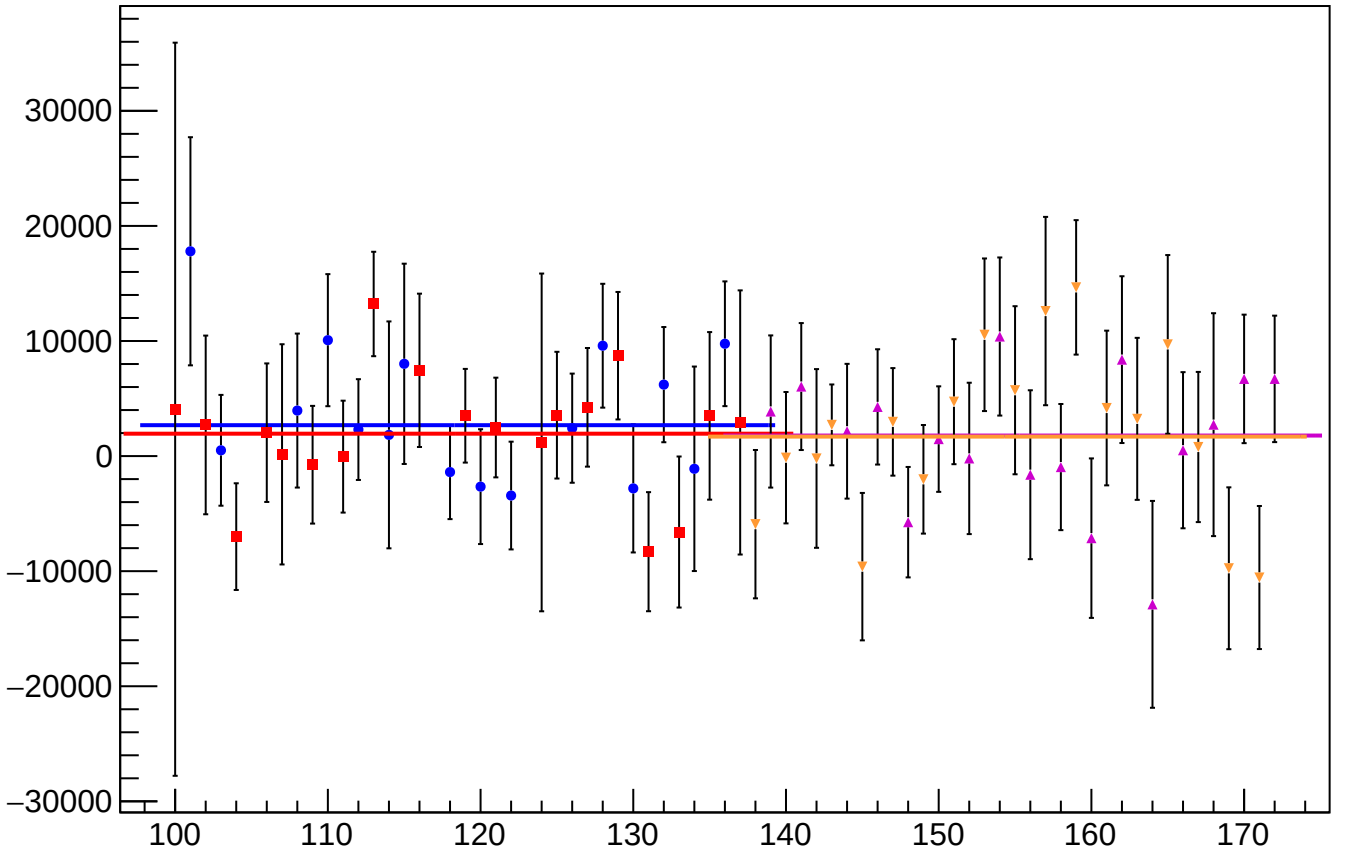
Left: 5037.976+/-0.690 χ^2/NDF: 2753854.0/34

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3986.053+/-0.649 χ^2/NDF:4505458.3/32

Out: 3594.951+/-0.591 χ^2/NDF:5978149.7/36

All: 3772.202+/-0.437 χ^2/NDF: 10682251.2/6



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 1693.241+/-1392.589 χ^2/NDF:22.3/17

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: 1736.315+/-1011.490 χ^2/NDF: 34.7/34

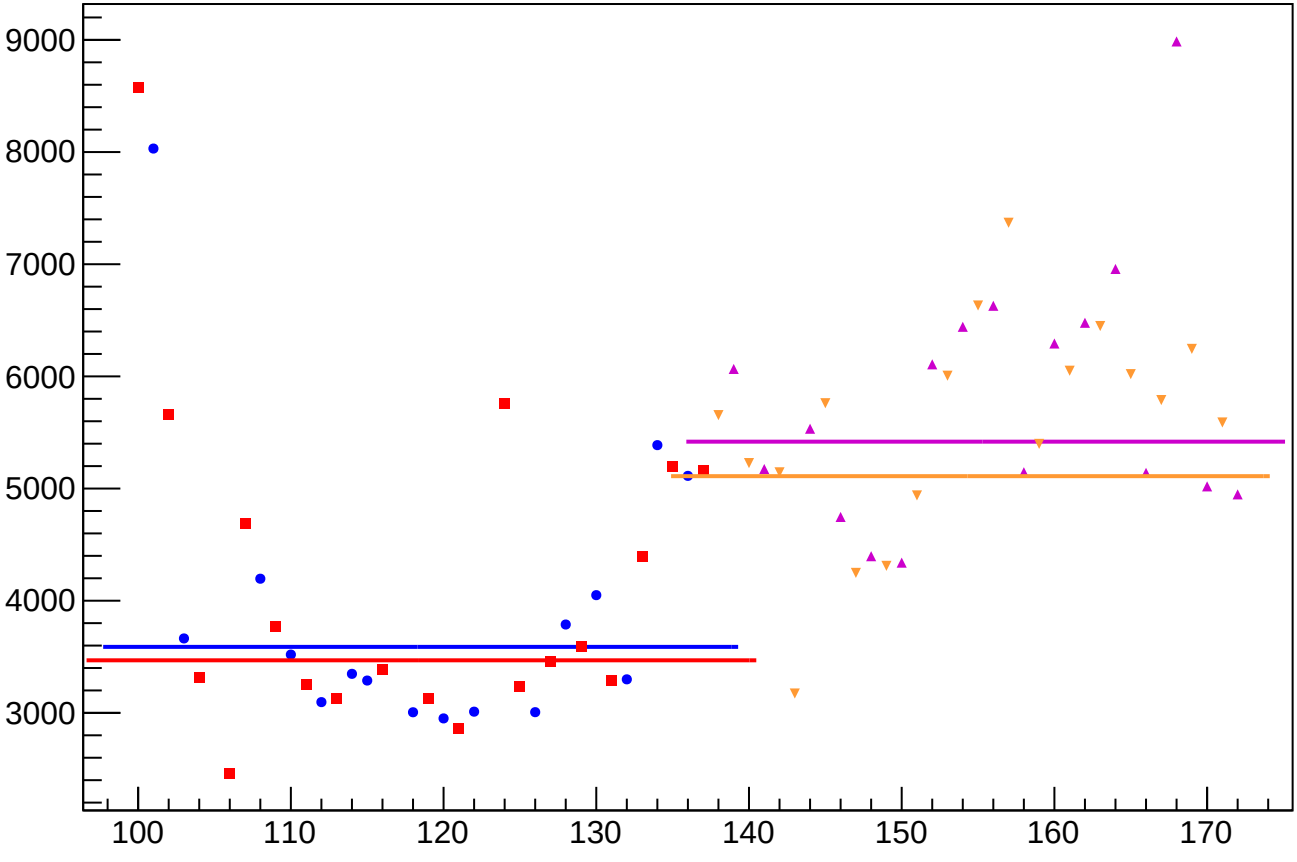
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2263.859+/-1006.599 χ^2/NDF:26.0/32

Out: 1824.981+/-962.945 χ^2/NDF:41.1/36

All: 2034.697+/-695.826 χ^2/NDF: 67.1/69

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 5110.402+/-0.985 χ^2/NDF:1277292.6/17

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5418.003+/-1.041 χ^2/NDF:820072.7/16

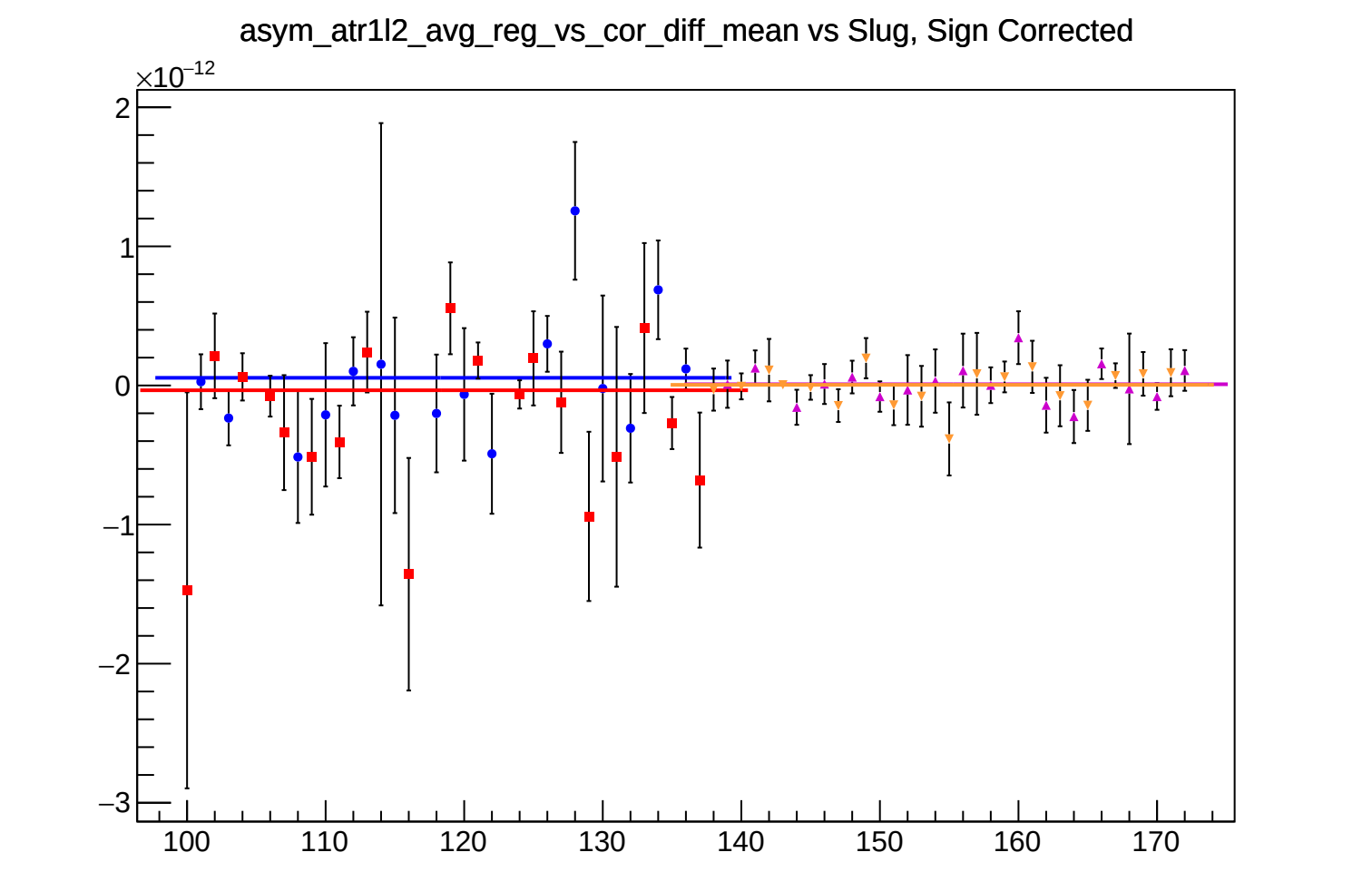
Left: 5255.723+/-0.715 χ^2/NDF: 2143465.2/34

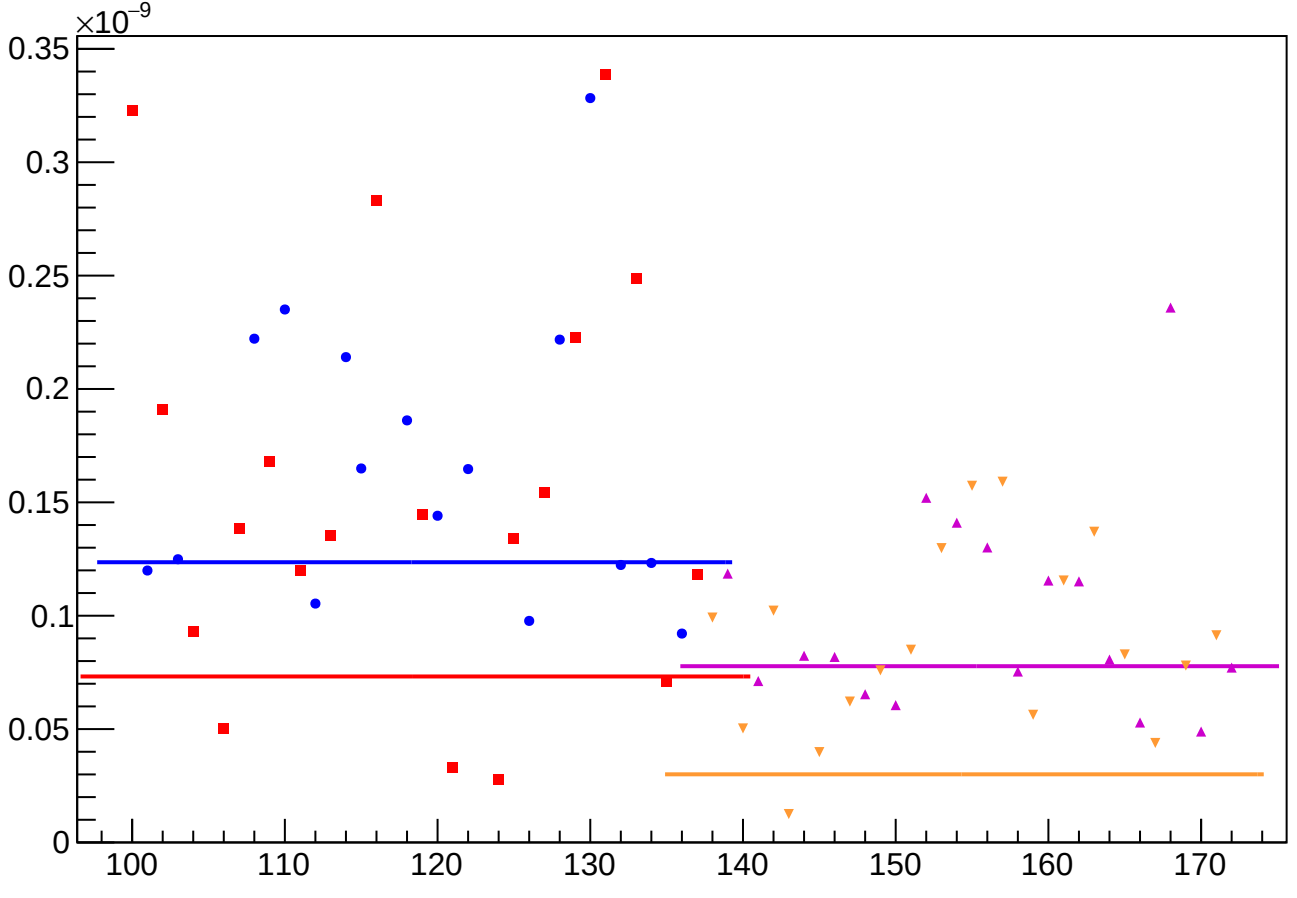
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4444.440+/-0.712 χ^2/NDF:3310271.2/32

Out: 4241.099+/-0.675 χ^2/NDF:3415704.4/36

All: 4337.449+/-0.490 χ^2/NDF: 6768918.5/69


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:9.7/17
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: 21.6/34
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:32.4/36
All: 0.000+/-0.000 χ²/NDF: 62.6/69



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5537292.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1360082.9/16

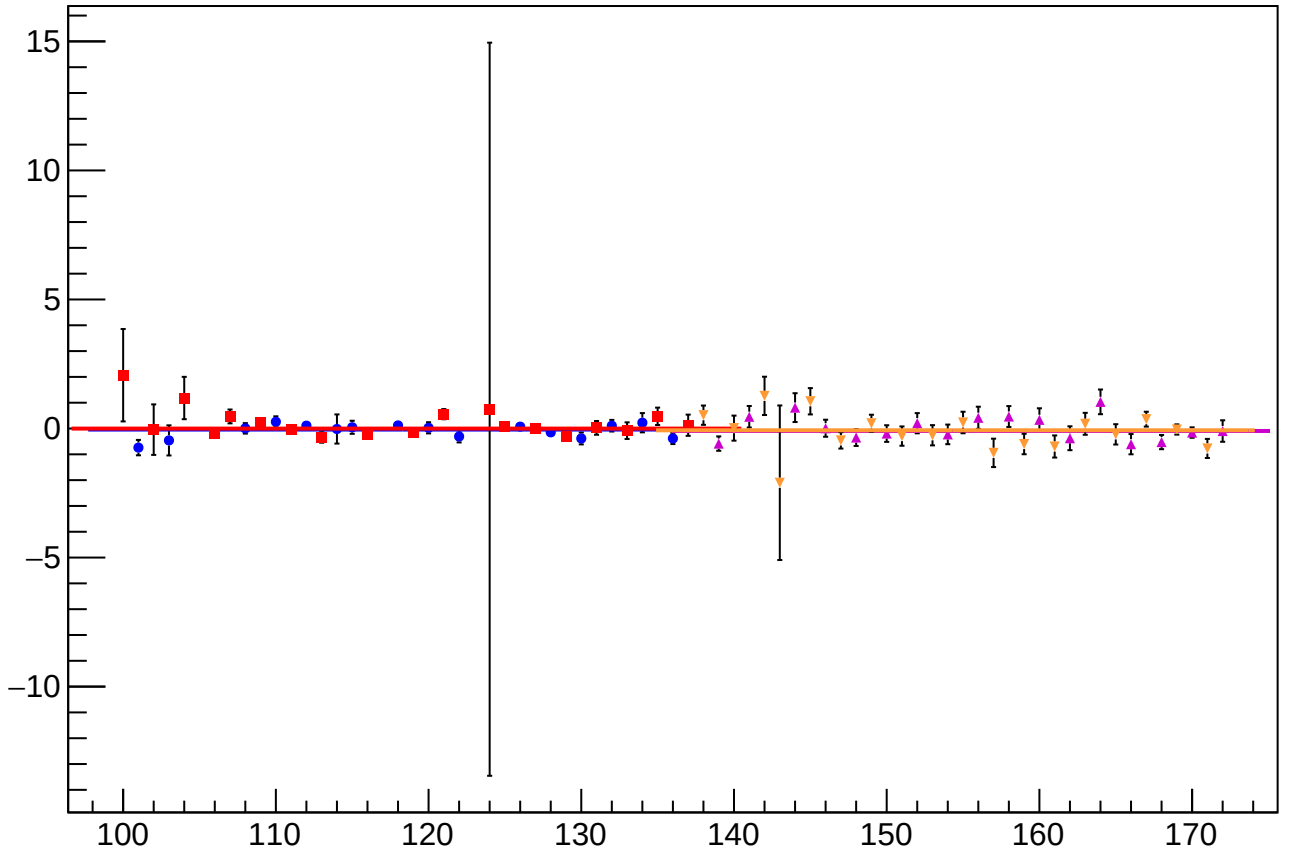
Left: 0.000+/-0.000 χ^2/NDF: 9748795.9/34

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:8896618.2/36

All: 0.000+/-0.000 χ^2/NDF: 15590164.1/69



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.069+/-0.089 χ^2/NDF:27.2/17

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.095+/-0.085 χ^2/NDF:23.4/16

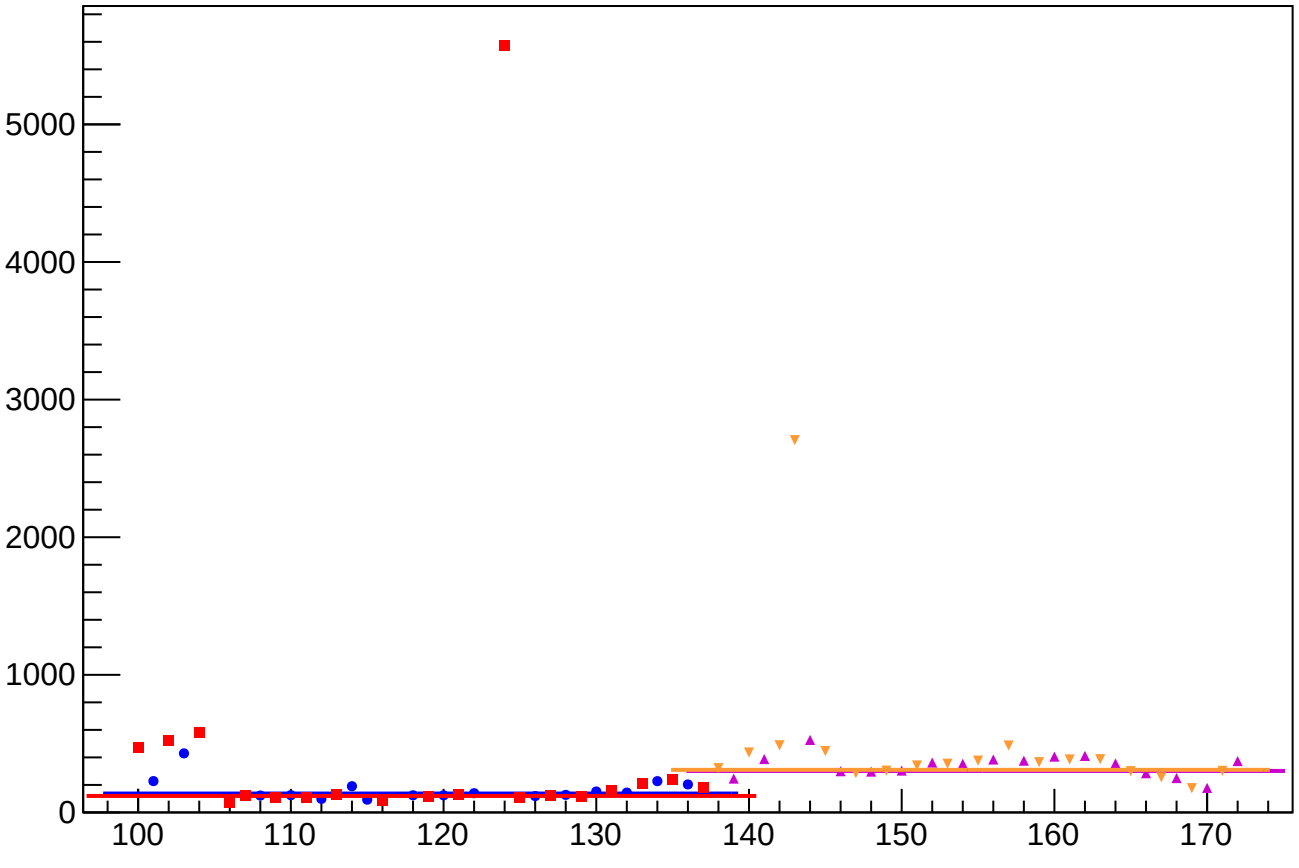
Left: -0.083+/-0.061 χ^2/NDF: 50.7/34

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.056+/-0.047 χ^2/NDF:41.6/32

Out: -0.019+/-0.044 χ^2/NDF:56.4/36

All: -0.037+/-0.032 χ^2/NDF: 98.3/69



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 309.556+/-0.063 χ^2/NDF:3124618.9/17

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: 305.465+/-0.043 χ^2/NDF: 4981209.1/34

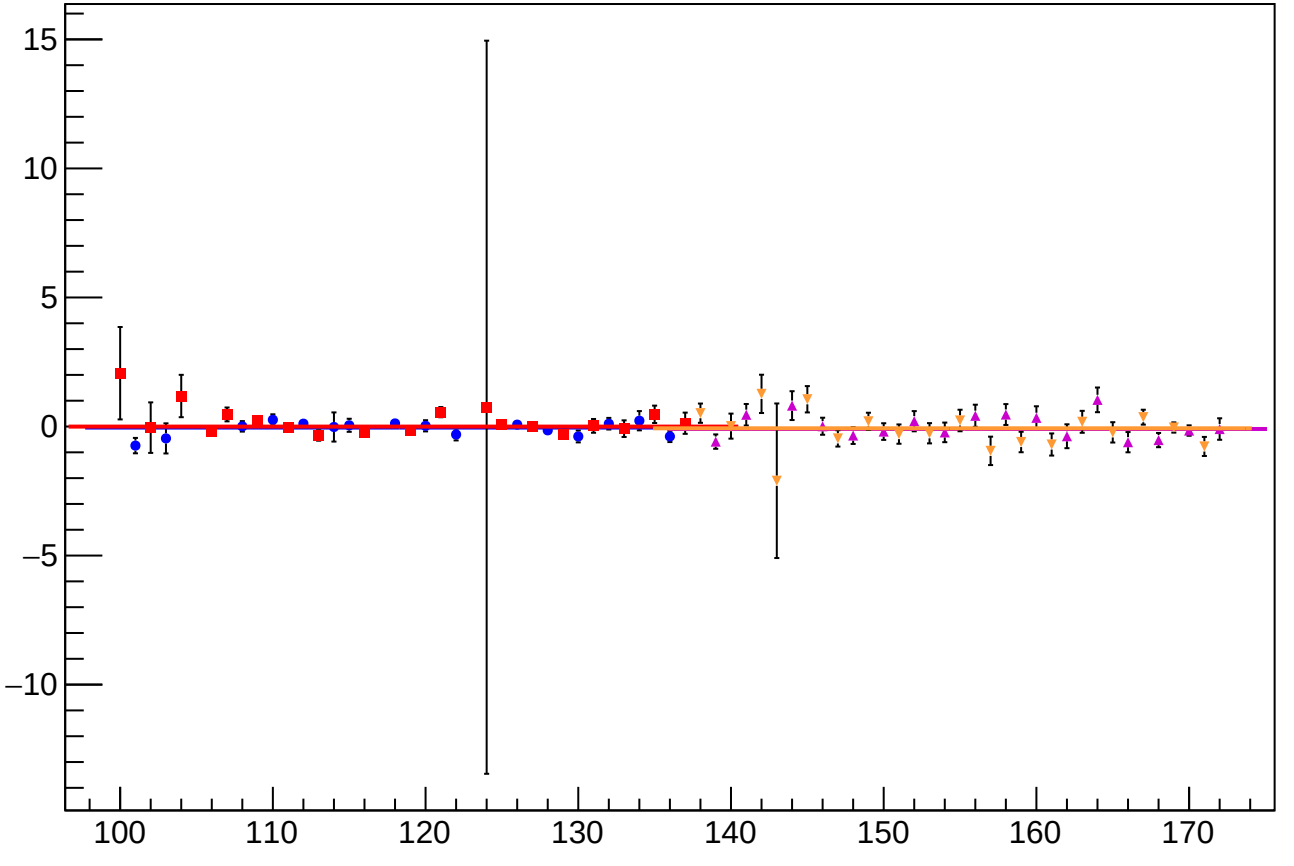
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 187.070+/-0.033 χ^2/NDF:8355347.0/32

Out: 167.073+/-0.031 χ^2/NDF:12144545.1/36

All: 176.527+/-0.023 χ^2/NDF: 20693836.5/69

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: -0.069+/-0.089 χ^2/NDF:27.2/17

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.095+/-0.085 χ^2/NDF:23.4/16

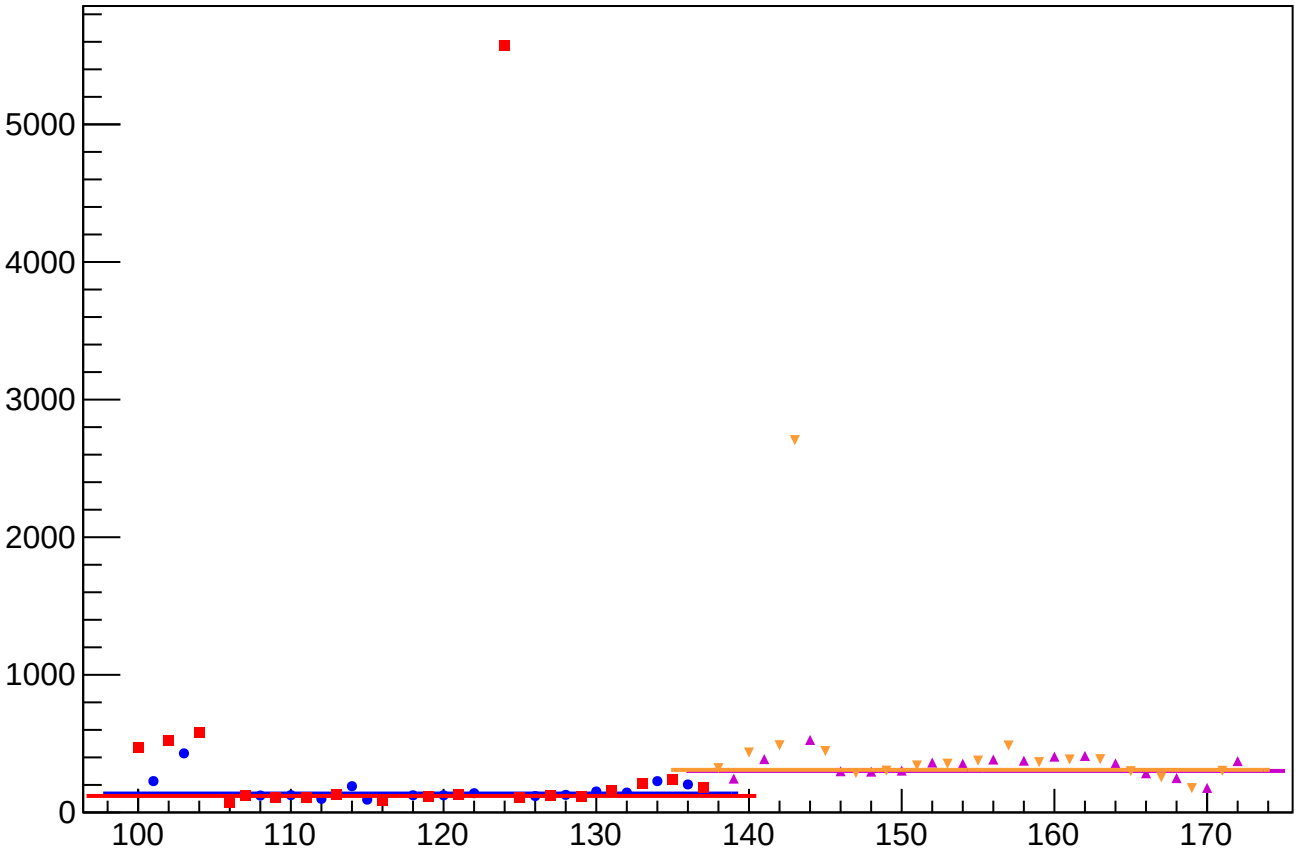
Left: -0.083+/-0.061 χ^2/NDF: 50.7/34

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.056+/-0.047 χ^2/NDF:41.6/32

Out: -0.019+/-0.044 χ^2/NDF:56.4/36

All: -0.037+/-0.032 χ^2/NDF: 98.3/69



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 309.556+/-0.063 χ^2/NDF:3124618.9/17

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 301.717+/-0.060 χ^2/NDF:1848420.0/16

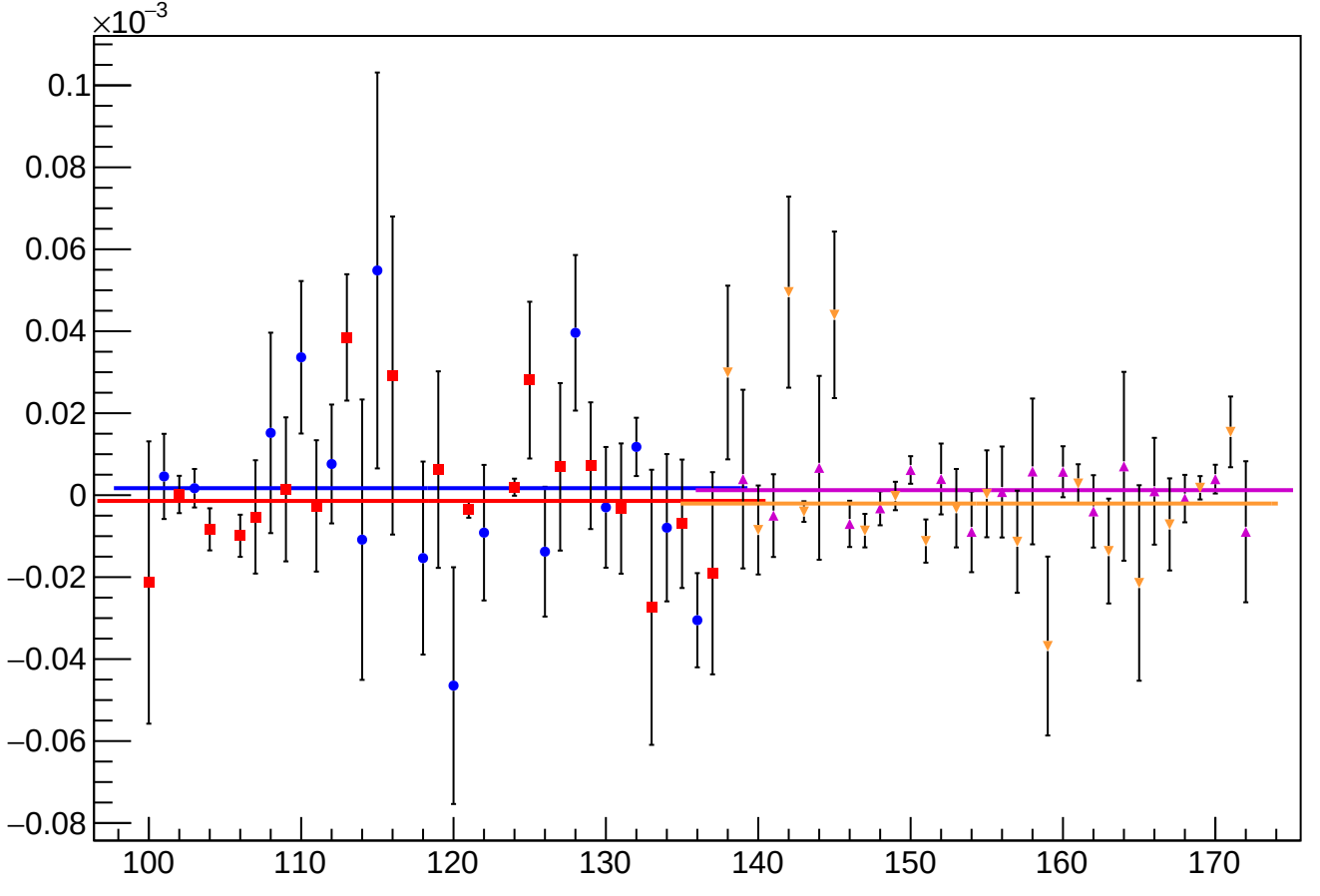
Left: 305.465+/-0.043 χ^2/NDF: 4981209.1/34

Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 187.070+/-0.033 χ^2/NDF:8355347.0/32

Out: 167.073+/-0.031 χ^2/NDF:12144545.1/36

All: 176.527+/-0.023 χ^2/NDF: 20693836.5/69



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/17

Right Out: -0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:9.1/16

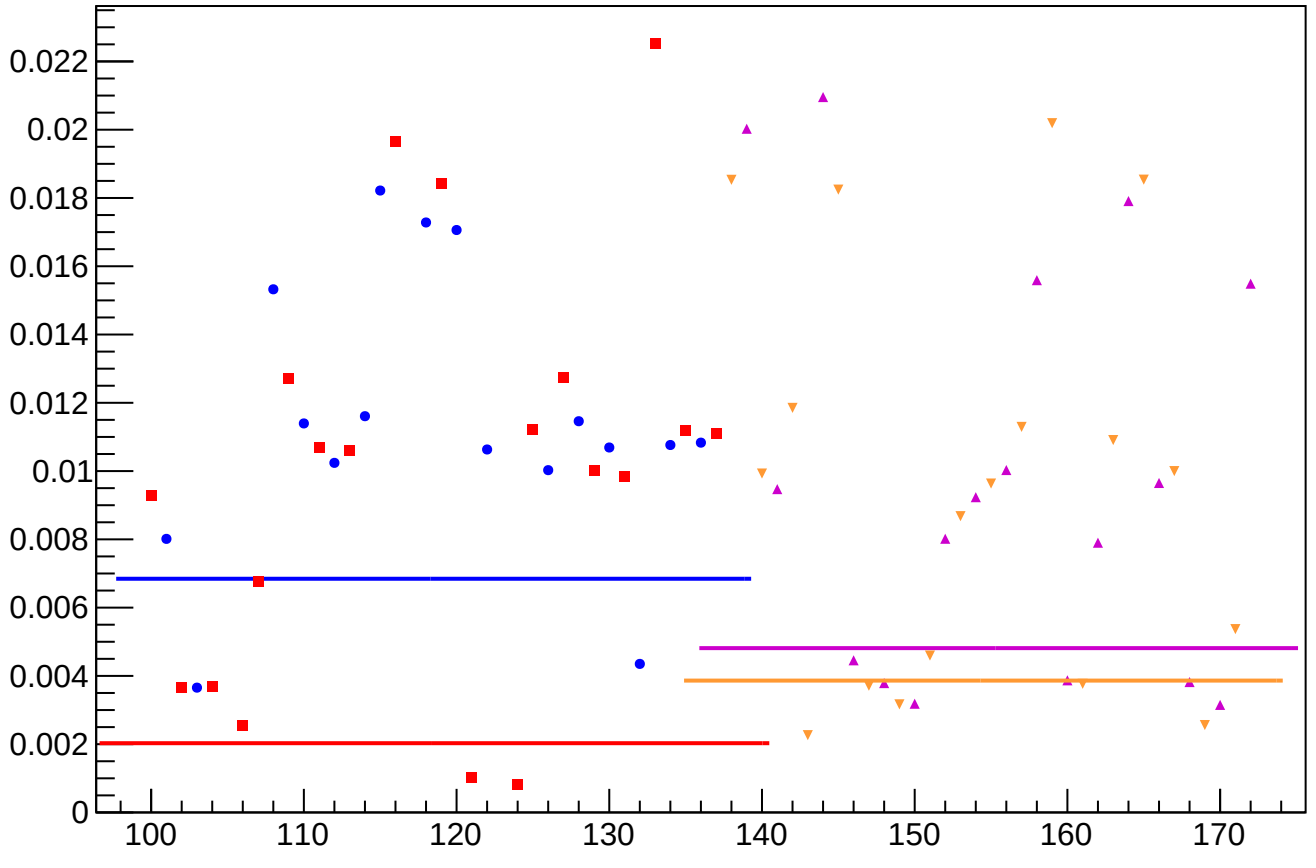
Left: -0.000+/-0.000 χ^2/NDF: 42.6/34

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:51.4/36

All: -0.000+/-0.000 χ^2/NDF: 87.6/69



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:9116355.5/17

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: 16913221.3/34

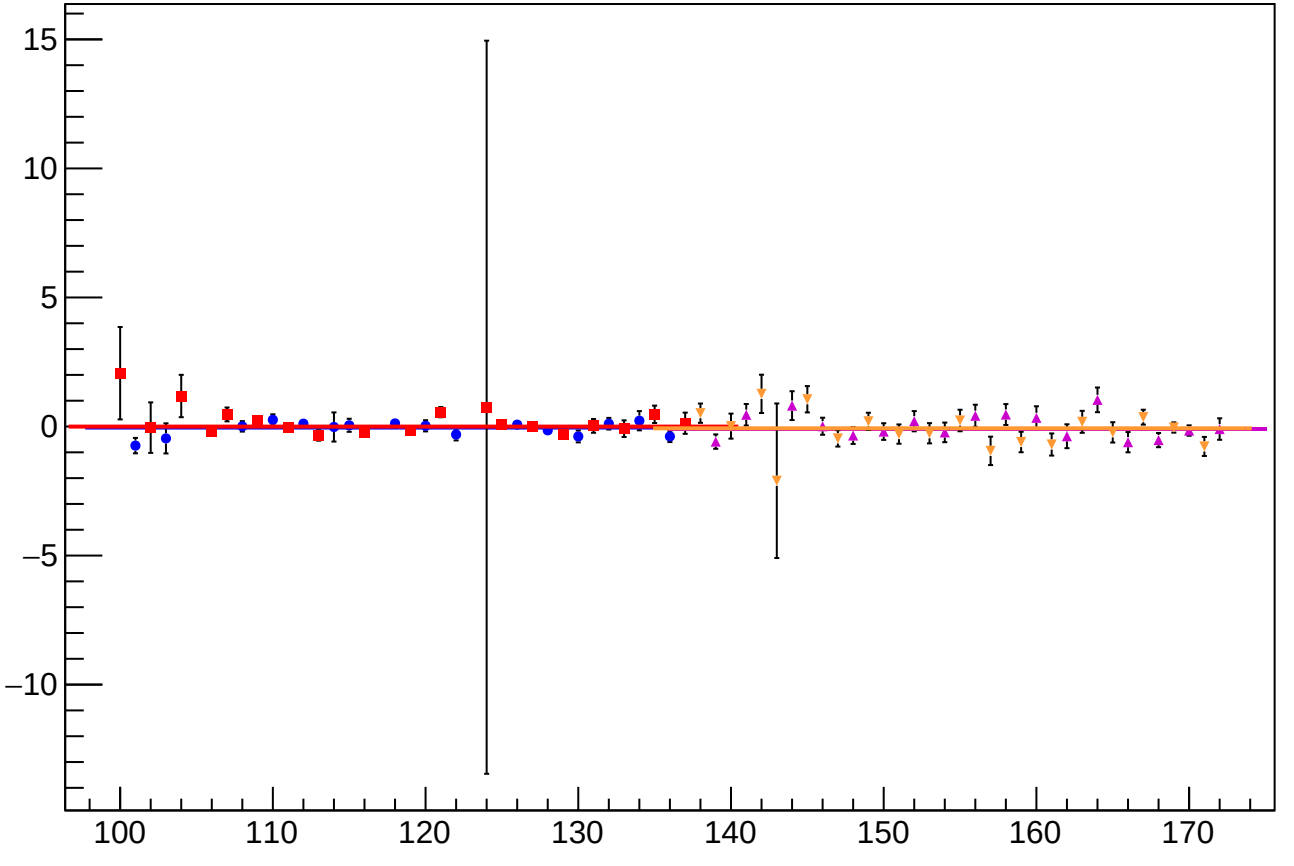
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.005+/-0.000 χ^2/NDF:11333144.4/32

Out: 0.003+/-0.000 χ^2/NDF:20156177.4/36

All: 0.004+/-0.000 χ^2/NDF: 35473744.4/69

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: -0.069+/-0.089 χ^2/NDF:27.2/17

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.095+/-0.085 χ^2/NDF:23.4/16

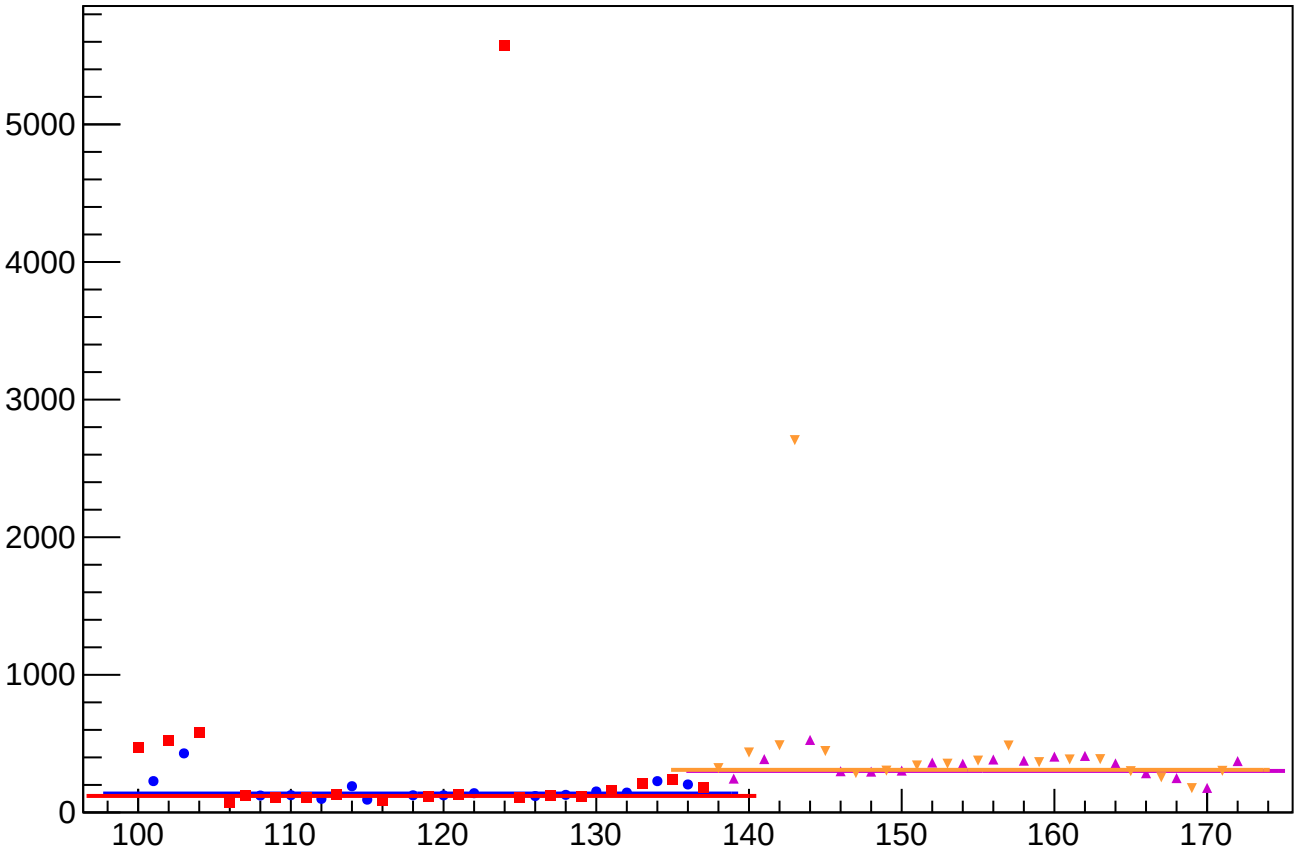
Left: -0.083+/-0.061 χ^2/NDF: 50.7/34

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.056+/-0.047 χ^2/NDF:41.6/32

Out: -0.019+/-0.044 χ^2/NDF:56.4/36

All: -0.037+/-0.032 χ^2/NDF: 98.3/69



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 309.559+/-0.063 χ^2/NDF:3124688.4/17

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 301.720+/-0.060 χ^2/NDF:1848424.9/16

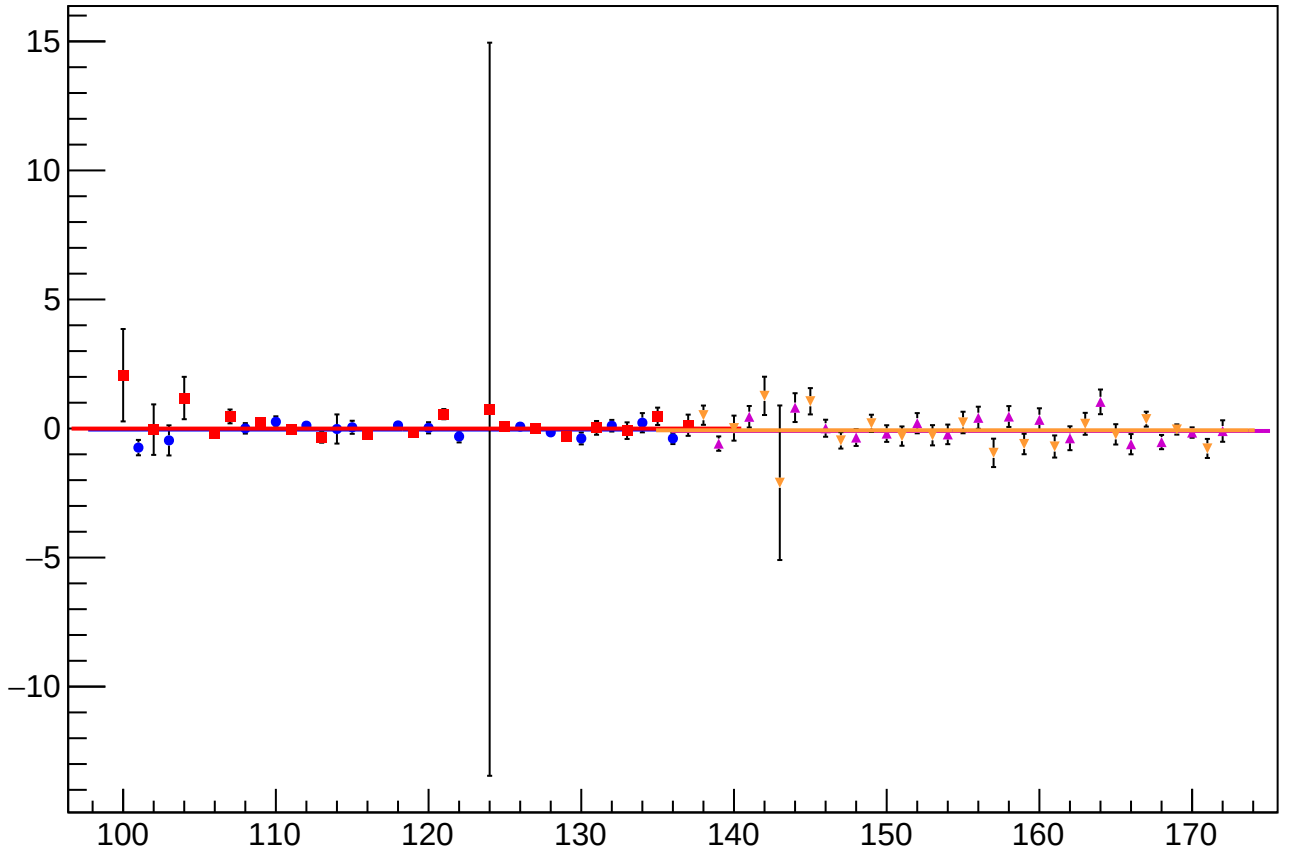
Left: 305.468+/-0.043 χ^2/NDF: 4981282.3/34

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 187.071+/-0.033 χ^2/NDF:8355339.1/32

Out: 167.073+/-0.031 χ^2/NDF:12144639.5/36

All: 176.527+/-0.023 χ^2/NDF: 20693946.6/69



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.069+/-0.089 χ^2/NDF:27.2/17

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: -0.083+/-0.061 χ^2/NDF: 50.7/34

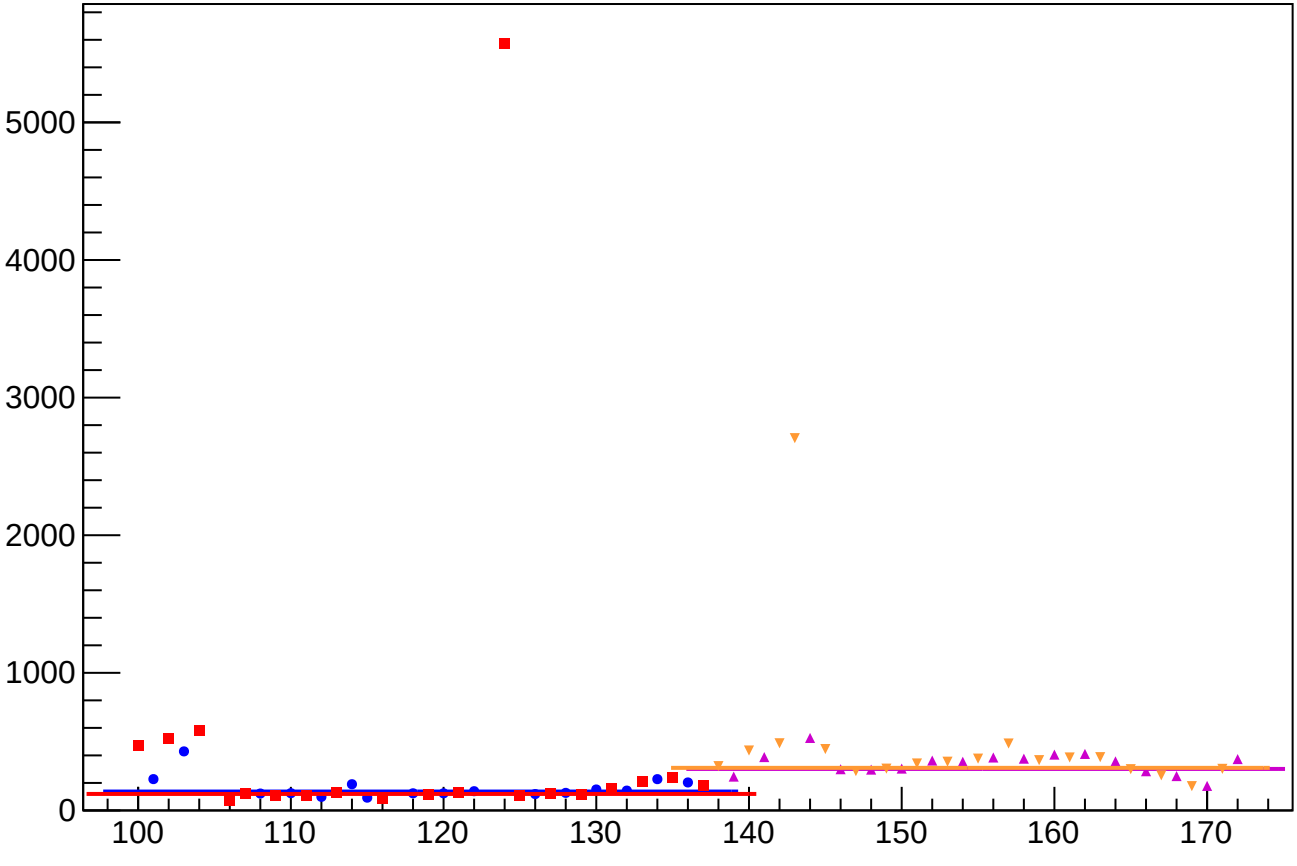
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.056+/-0.047 χ^2/NDF:41.6/32

Out: -0.019+/-0.044 χ^2/NDF:56.4/36

All: -0.037+/-0.032 χ^2/NDF: 98.3/69

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: 309.559+/-0.063 χ^2/NDF:3124688.4/17

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 301.720+/-0.060 χ^2/NDF:1848424.9/16

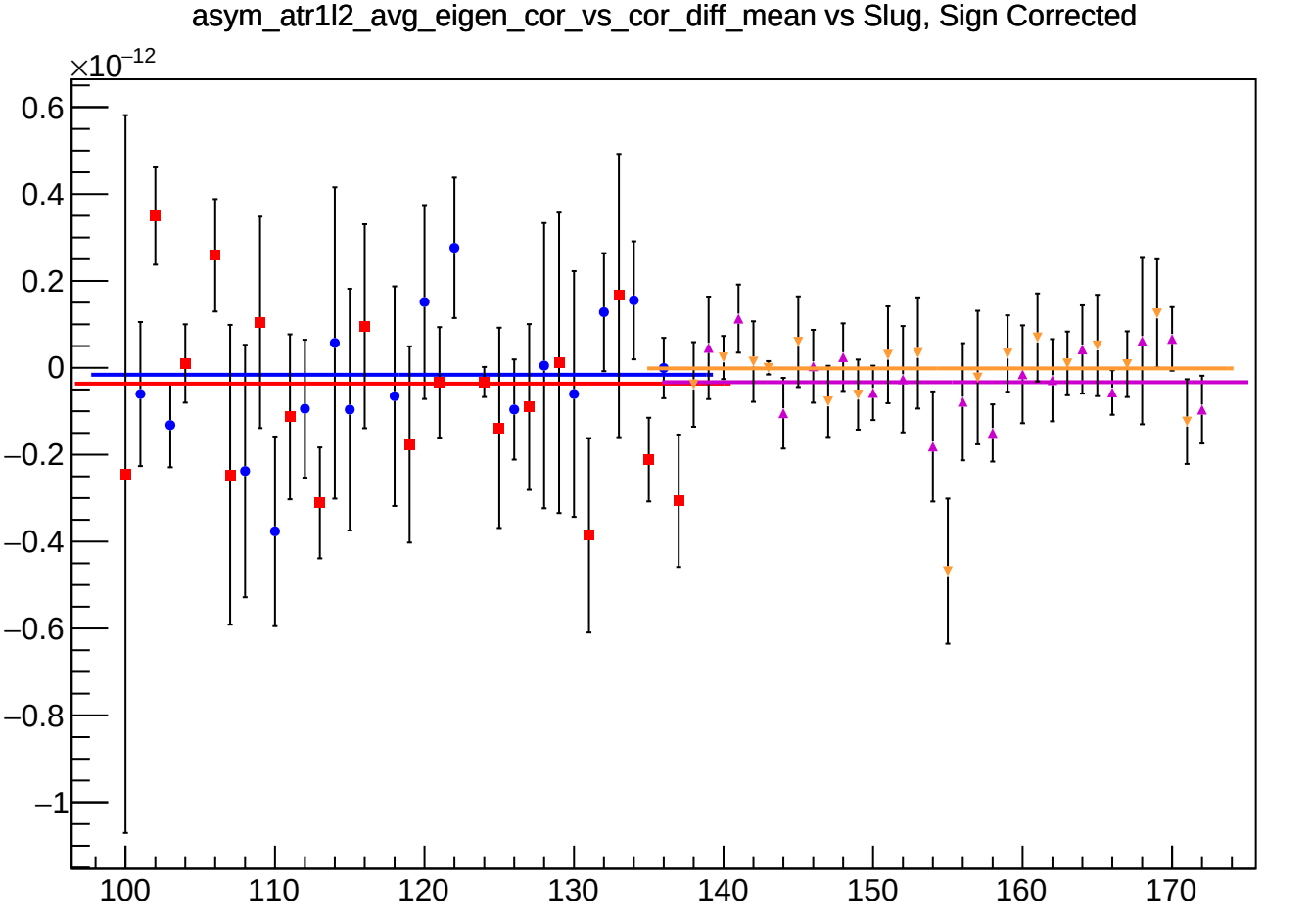
Left: 305.468+/-0.043 χ^2/NDF: 4981282.3/34

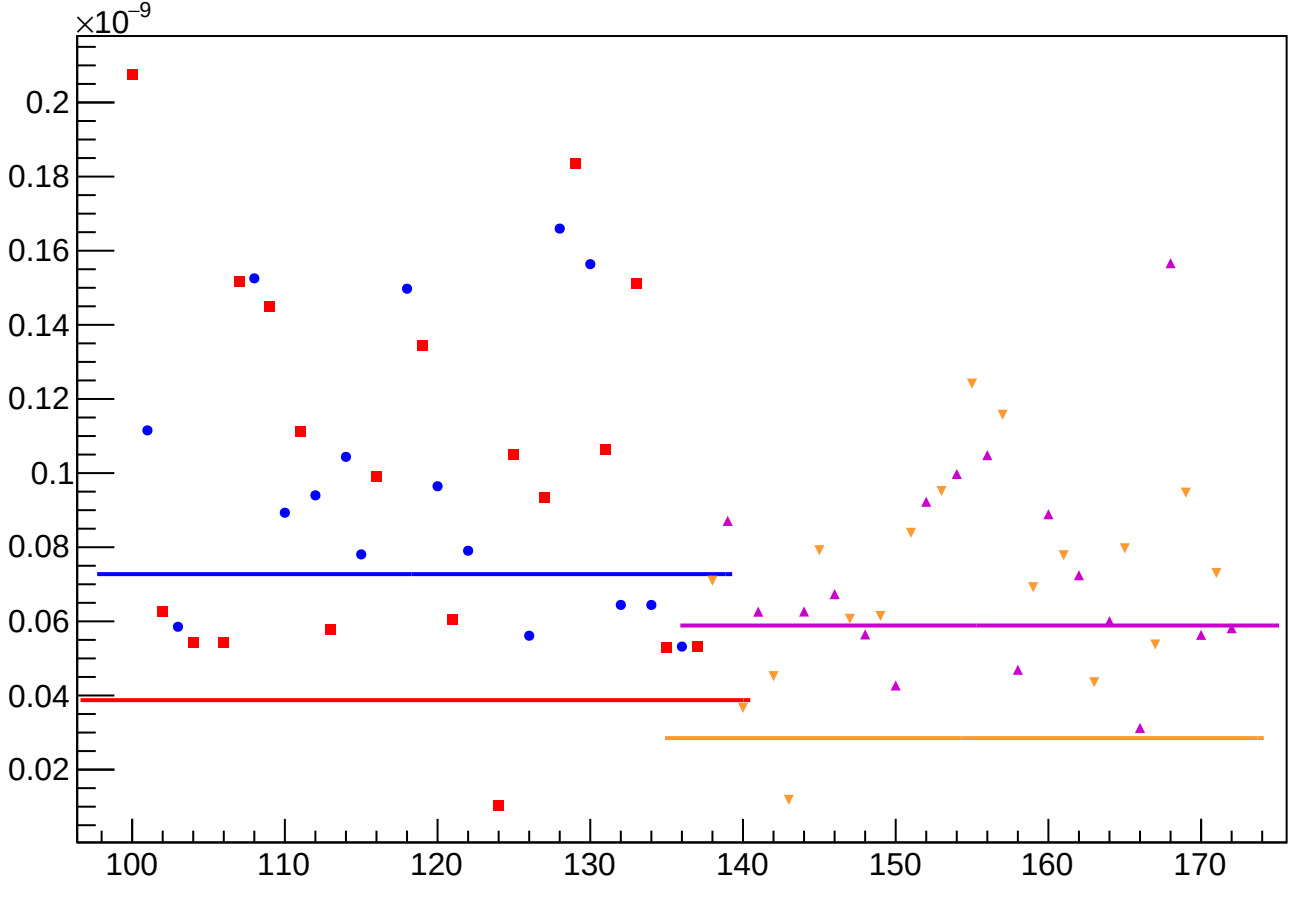
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 187.071+/-0.033 χ^2/NDF:8355339.1/32

Out: 167.073+/-0.031 χ^2/NDF:12144639.5/36

All: 176.527+/-0.023 χ^2/NDF: 20693946.6/69


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:13.7/17
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: 29.2/34
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:48.4/36
All: -0.000+/-0.000 χ²/NDF: 75.6/69



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:8855545.7/17

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: 14290411.7/34

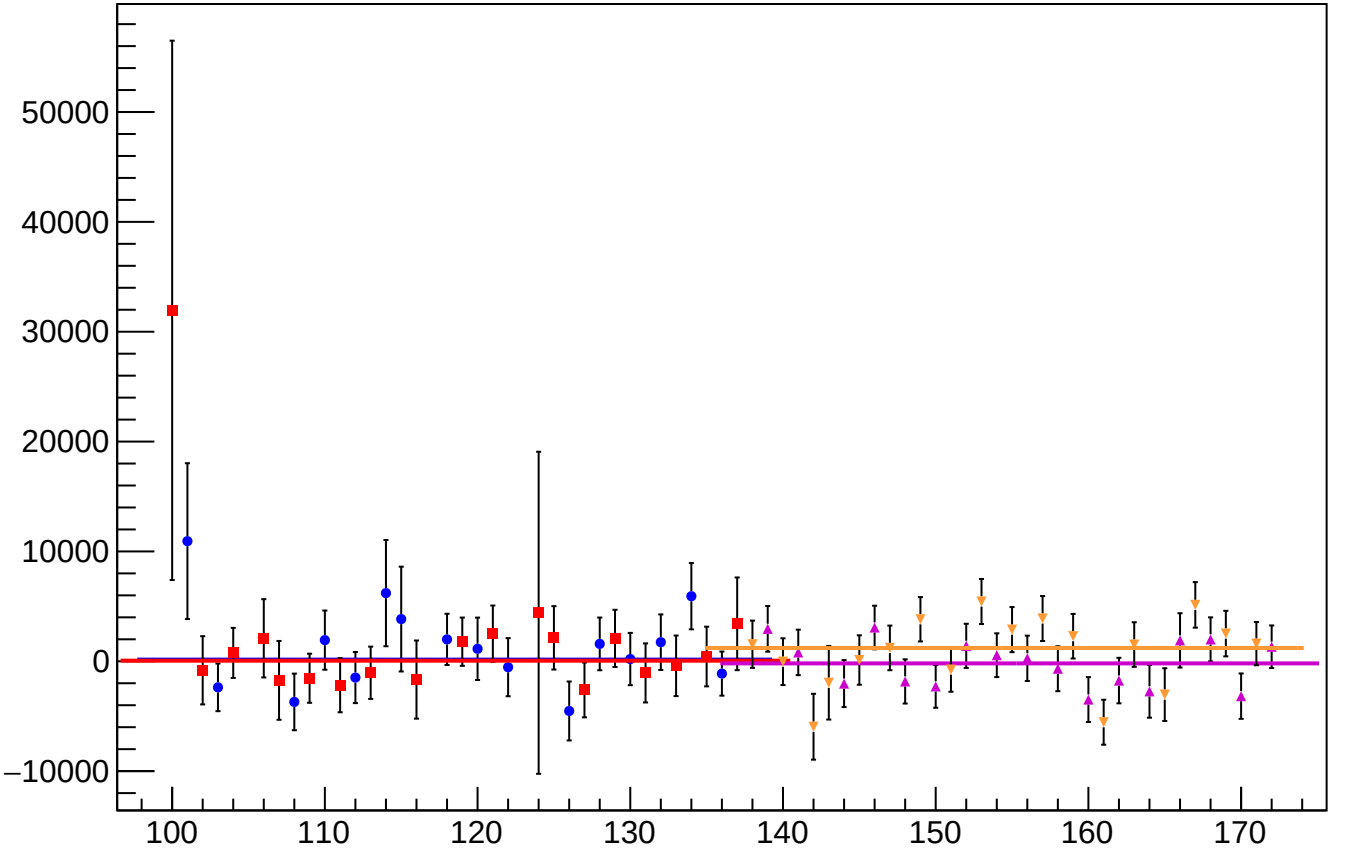
Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:3564445.8/32

Out: 0.000+/-0.000 χ^2/NDF:13381685.5/36

All: 0.000+/-0.000 χ^2/NDF: 21394685.1/69

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1211.859+/-506.165 χ^2/NDF:34.8/17

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: -192.794+/-501.080 χ^2/NDF:17.6/16

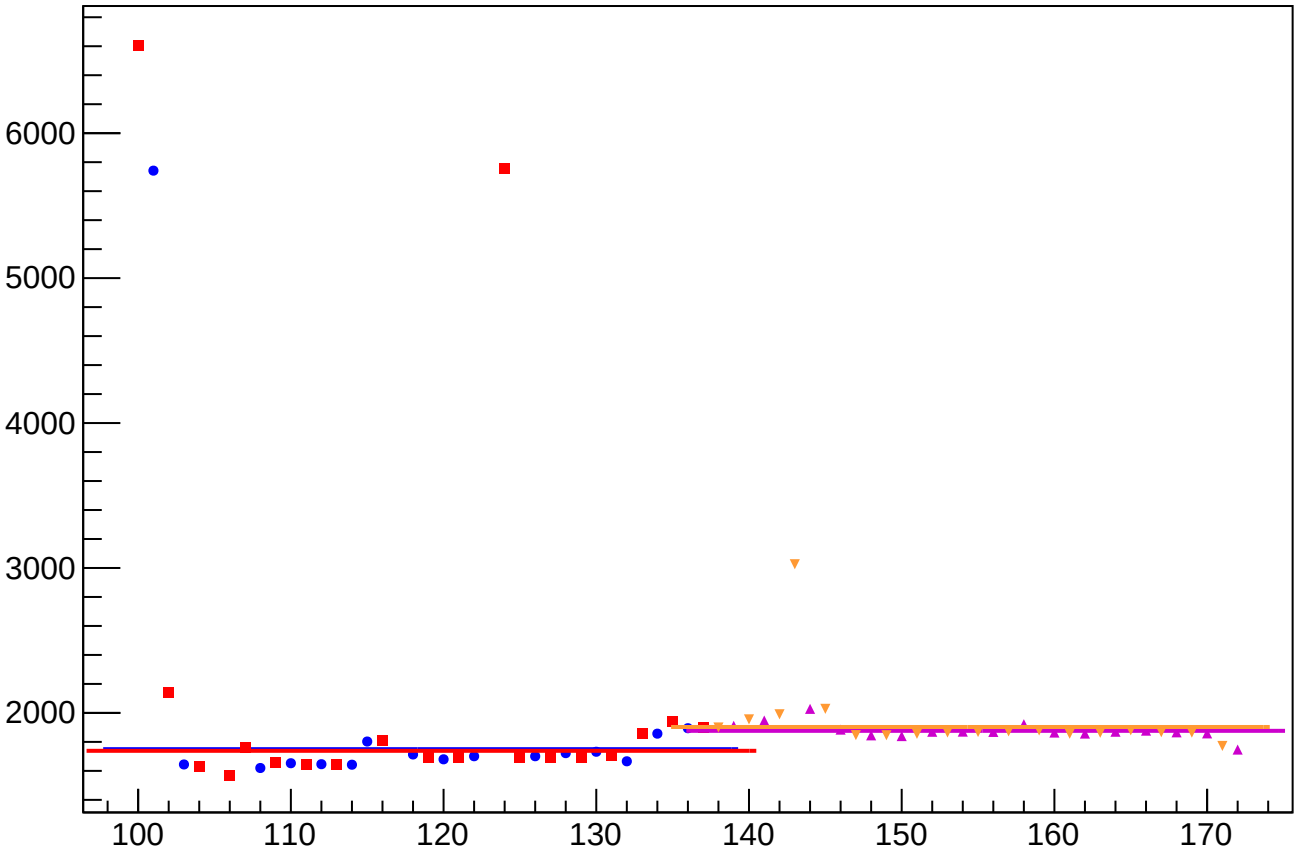
Left: 502.442+/-356.101 χ^2/NDF: 56.3/34

Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: -68.872+/-400.631 χ^2/NDF:35.4/32

Out: 779.201+/-400.573 χ^2/NDF:45.8/36

All: 355.226+/-283.268 χ^2/NDF: 83.4/69



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1902.871+/-0.358 χ^2/NDF:252267.4/17

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1876.348+/-0.354 χ^2/NDF:24603.4/16

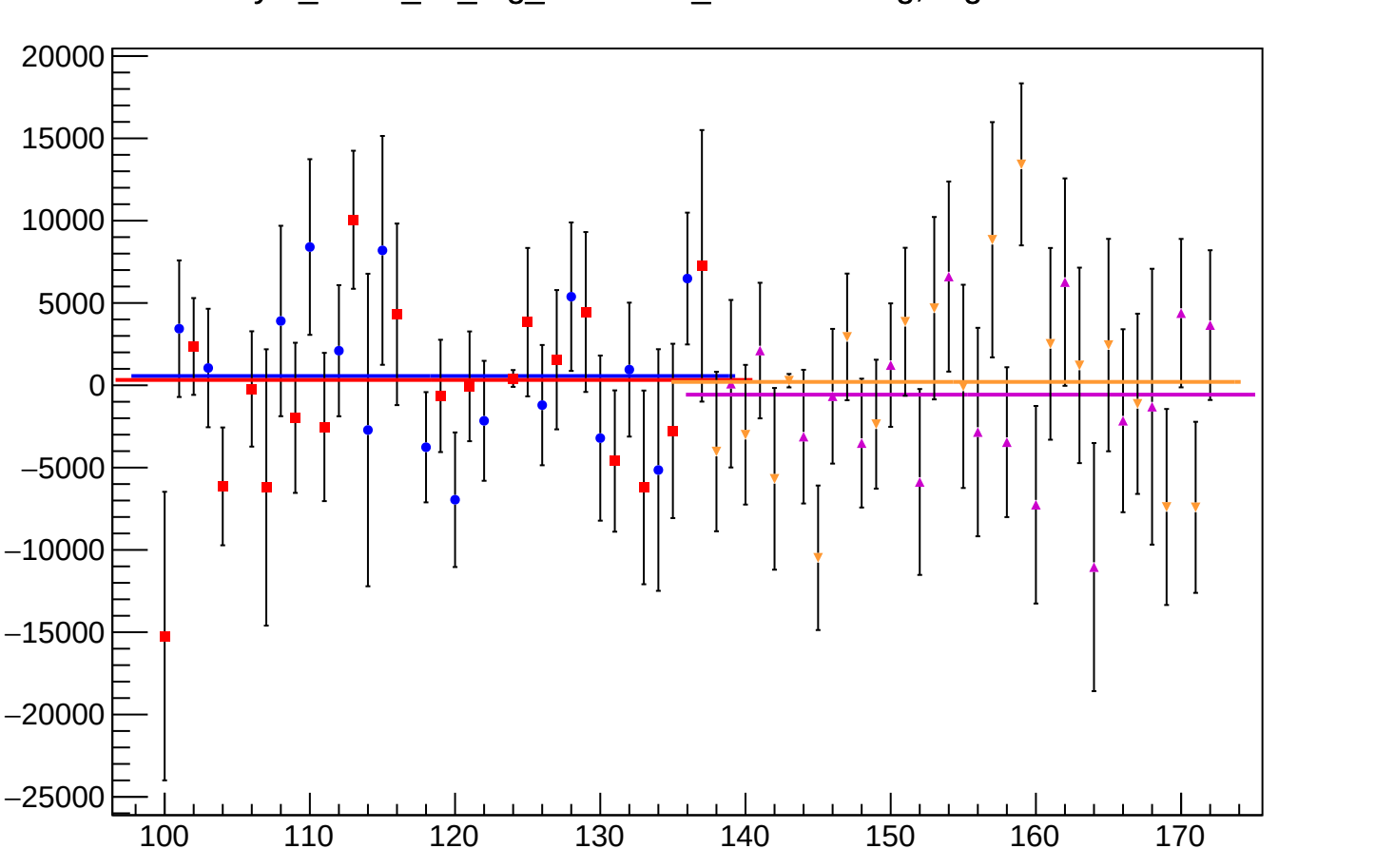
Left: 1889.475+/-0.252 χ^2/NDF: 279644.2/34

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1830.720+/-0.283 χ^2/NDF:740150.2/32

Out: 1840.875+/-0.282 χ^2/NDF:636312.8/36

All: 1835.812+/-0.200 χ^2/NDF: 1377107.3/69



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 206.488+/-388.059 χ^2/NDF:23.5/17

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -568.957+/-1192.114 χ^2/NDF:11.1/16

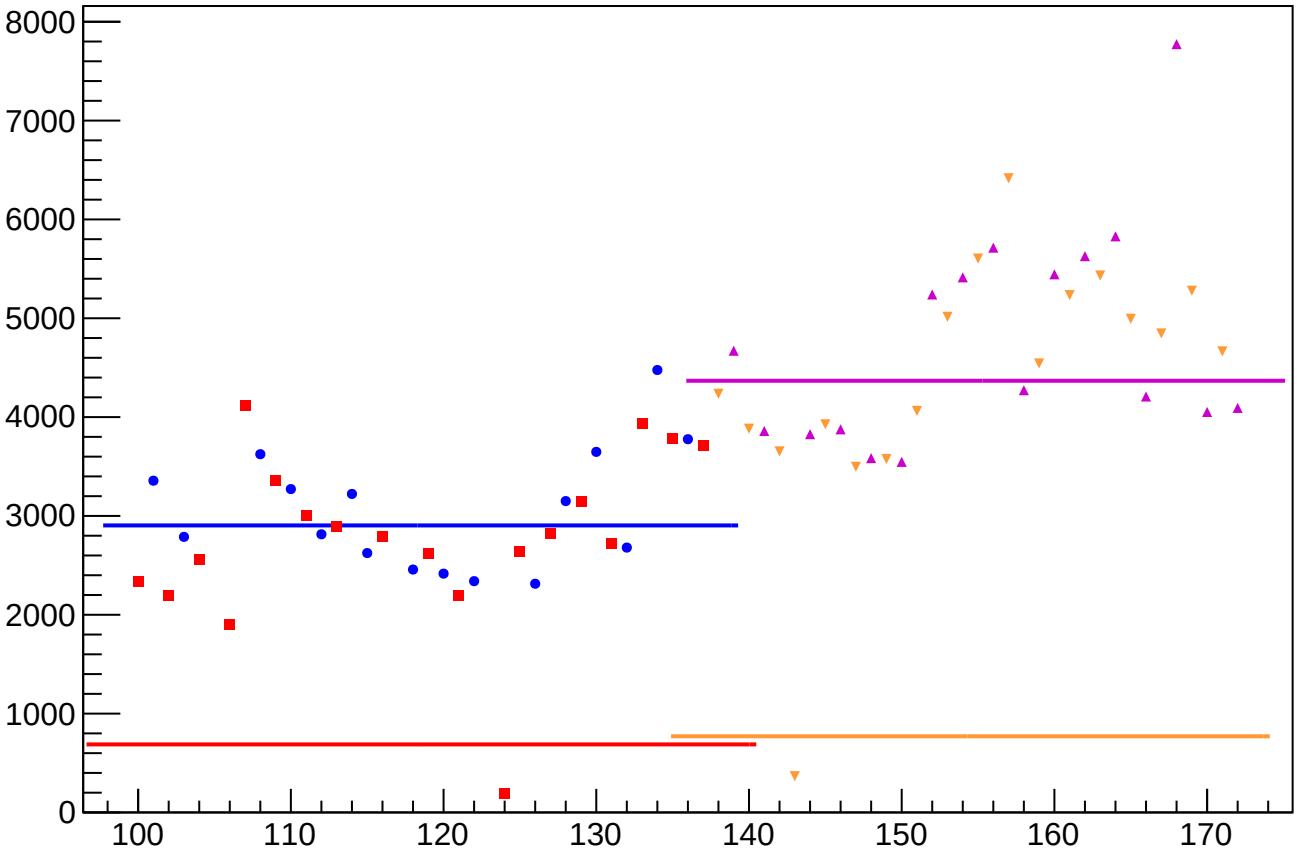
Left: 132.191+/-369.001 χ^2/NDF: 35.0/34

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: 41.488+/-808.885 χ^2/NDF:26.4/32

Out: 256.257+/-296.059 χ^2/NDF:42.8/36

All: 230.885+/-278.022 χ^2/NDF: 69.2/69



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 770.660+/-0.274 χ^2/NDF:20199580.1/17

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: 1115.298+/-0.261 χ^2/NDF: 37715242.0/34

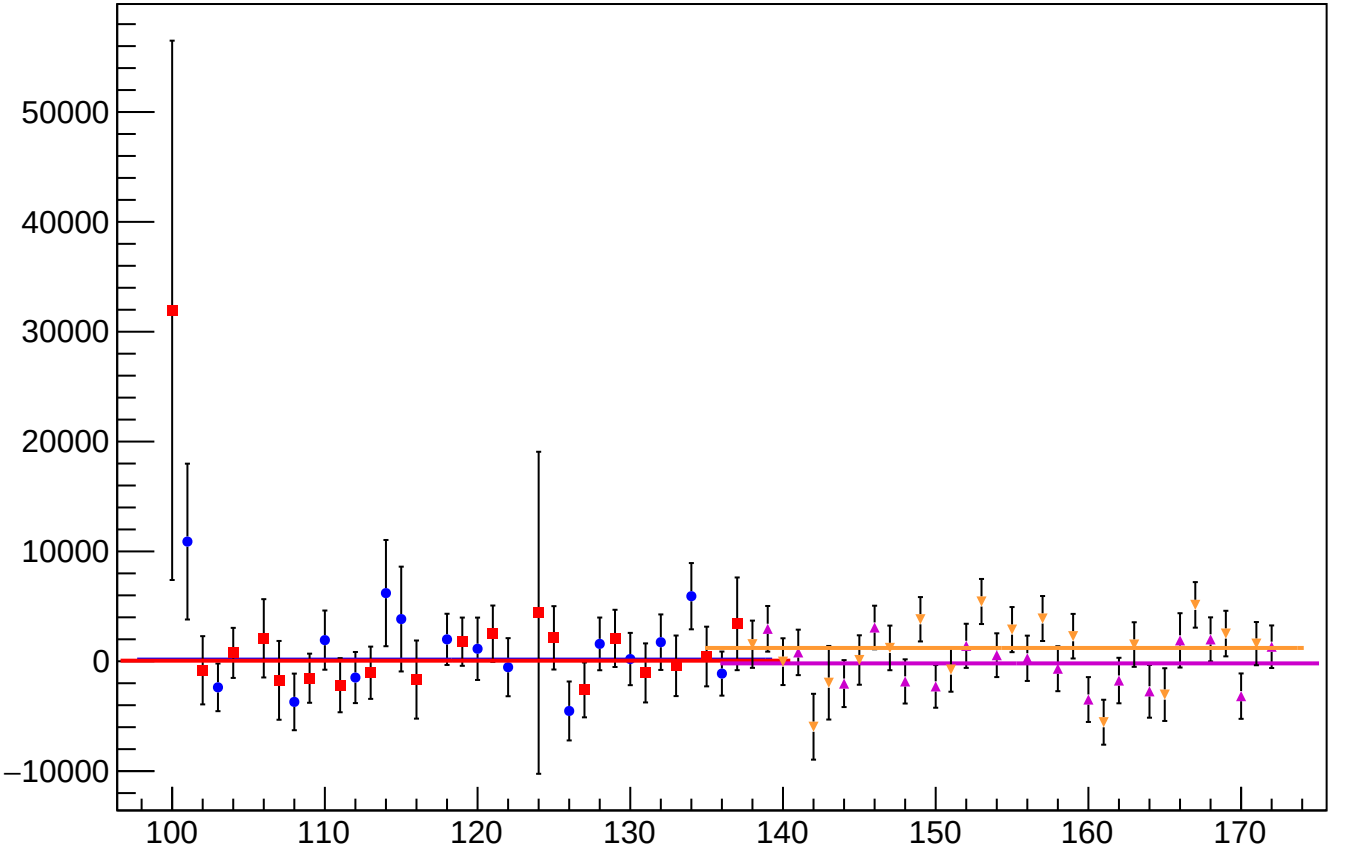
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3577.920+/-0.572 χ^2/NDF:3157964.9/32

Out: 736.245+/-0.209 χ^2/NDF:30386128.5/36

All: 1071.951+/-0.197 χ^2/NDF: 55311500.3/6

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1211.824+/-506.165 χ^2/NDF:34.8/17

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -192.794+/-501.080 χ^2/NDF:17.6/16

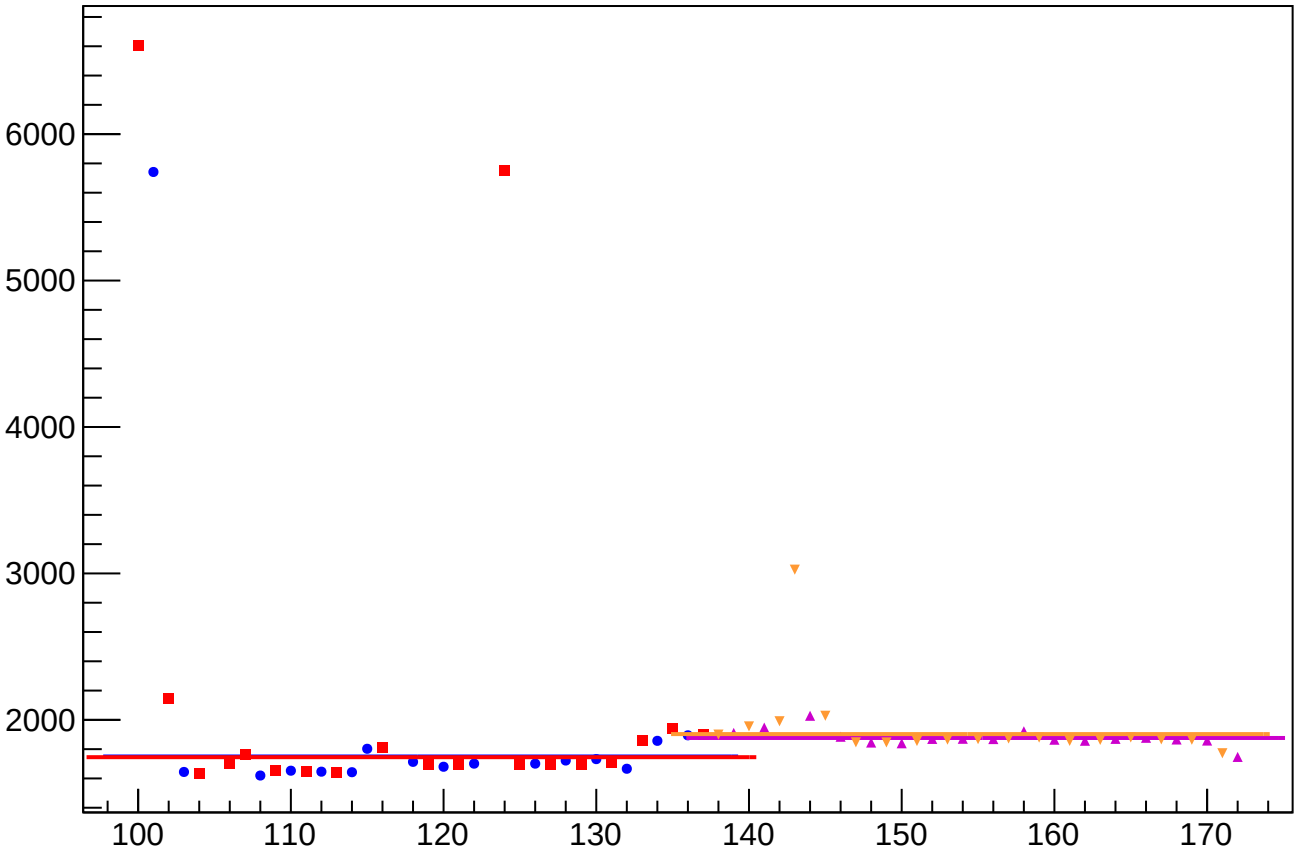
Left: 502.424+/-356.101 χ^2/NDF: 56.3/34

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -69.042+/-400.631 χ^2/NDF:35.4/32

Out: 779.199+/-400.573 χ^2/NDF:45.8/36

All: 355.140+/-283.268 χ^2/NDF: 83.4/69



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1902.871+/-0.358 χ^2/NDF:252267.4/17

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1876.348+/-0.354 χ^2/NDF:24603.4/16

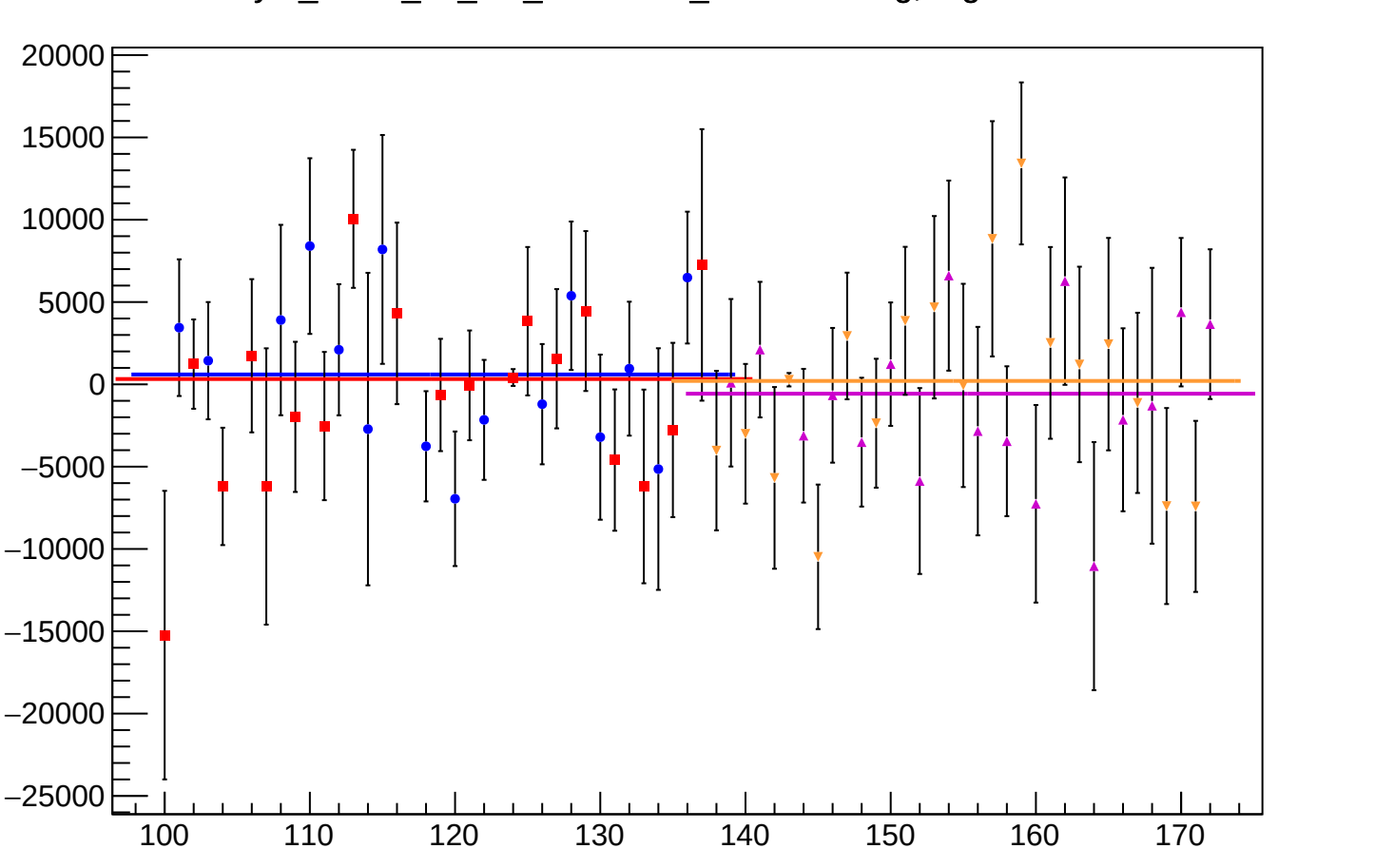
Left: 1889.475+/-0.252 χ^2/NDF: 279644.2/34

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1830.720+/-0.283 χ^2/NDF:740150.6/32

Out: 1843.667+/-0.283 χ^2/NDF:623120.7/36

All: 1837.203+/-0.200 χ^2/NDF: 1364317.4/69



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 207.421+/-388.090 χ^2/NDF:23.5/17

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -568.984+/-1192.112 χ^2/NDF:11.1/16

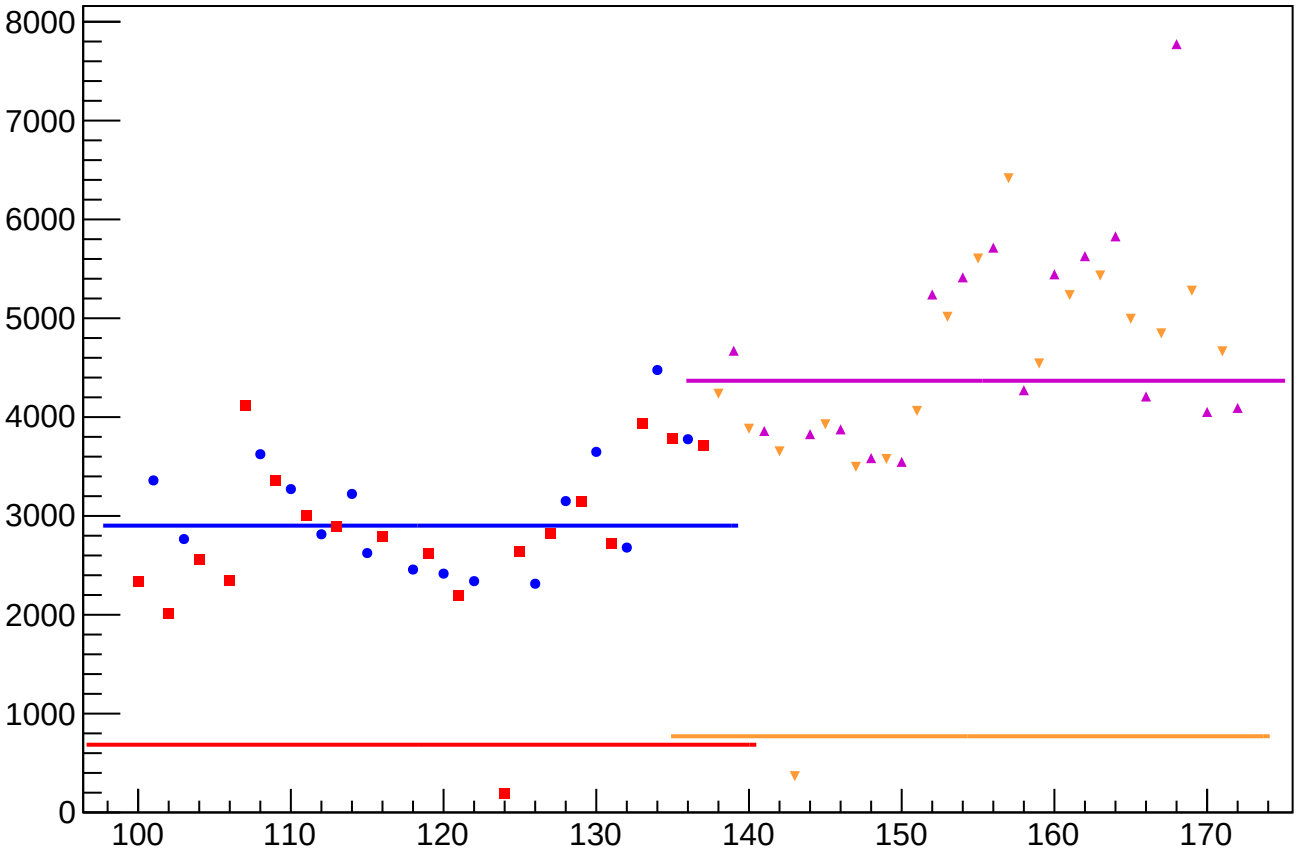
Left: 133.021+/-369.028 χ^2/NDF: 35.0/34

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 62.453+/-808.472 χ^2/NDF:26.5/32

Out: 255.688+/-296.319 χ^2/NDF:42.5/36

All: 232.804+/-278.221 χ^2/NDF: 69.1/69



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 770.761+/-0.274 χ^2/NDF:20198838.9/17

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4367.684+/-0.843 χ^2/NDF:1051424.8/16

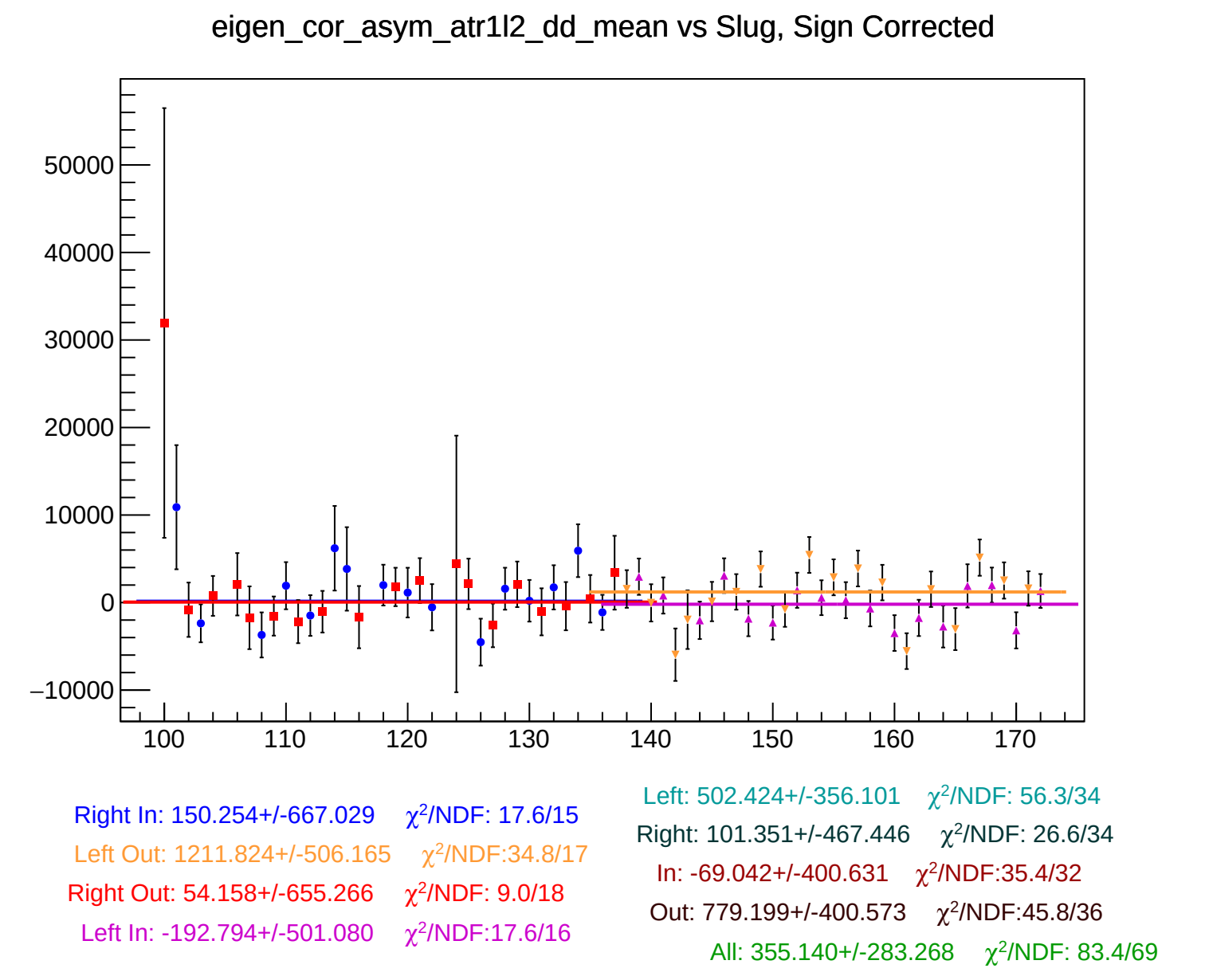
Left: 1115.440+/-0.261 χ^2/NDF: 37713307.6/34

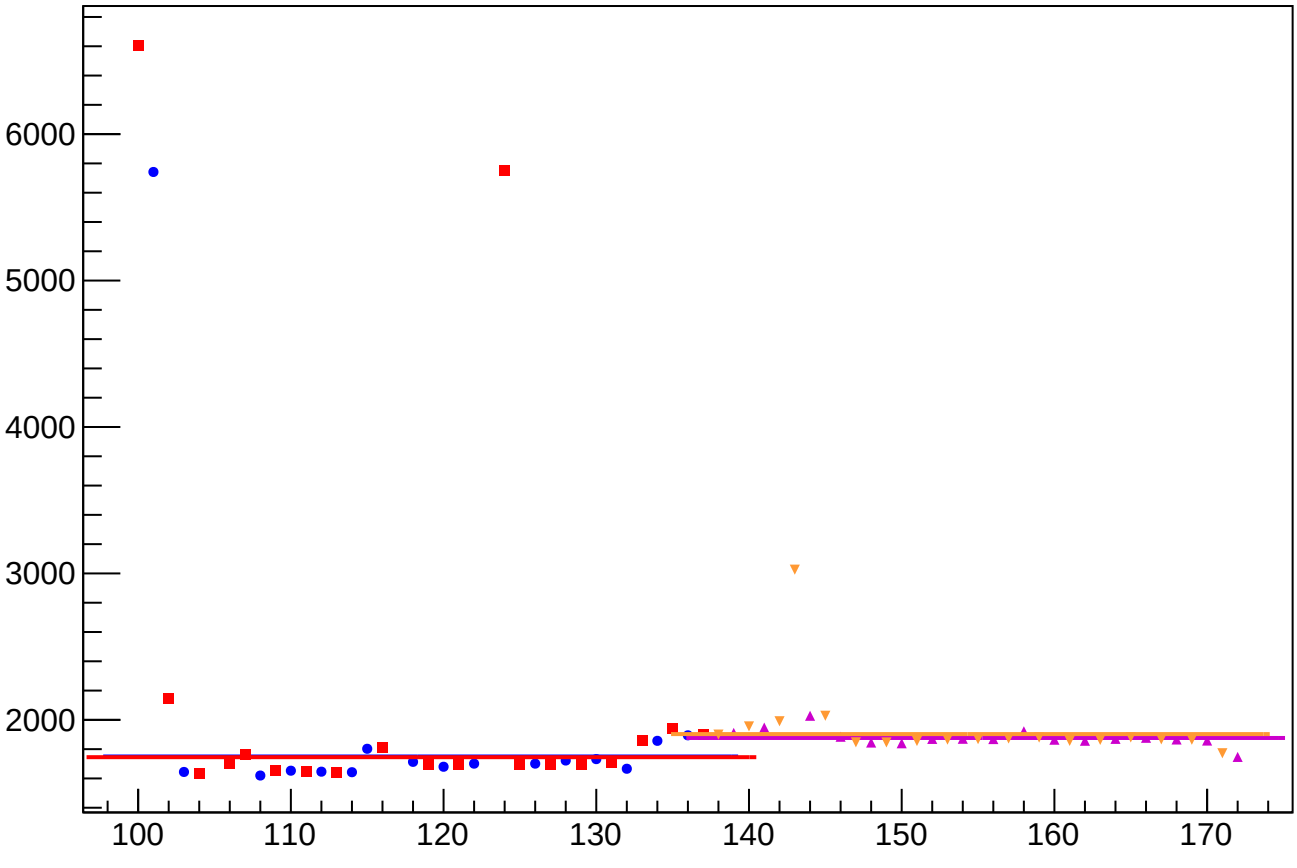
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3576.044+/-0.572 χ^2/NDF:3165429.5/32

Out: 735.104+/-0.210 χ^2/NDF:30345121.4/36

All: 1071.546+/-0.197 χ^2/NDF: 55281745.1/6


eigen_cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: 150.254+/-667.029 χ²/NDF: 17.6/15
Left Out: 1211.824+/-506.165 χ²/NDF:34.8/17
Right Out: 54.158+/-655.266 χ²/NDF: 9.0/18
Left In: -192.794+/-501.080 χ²/NDF:17.6/16
Left: 502.424+/-356.101 χ²/NDF: 56.3/34
Right: 101.351+/-467.446 χ²/NDF: 26.6/34
In: -69.042+/-400.631 χ²/NDF:35.4/32
Out: 779.199+/-400.573 χ²/NDF:45.8/36
All: 355.140+/-283.268 χ²/NDF: 83.4/69



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1902.871+/-0.358 χ^2/NDF:252267.4/17

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: 1889.475+/-0.252 χ^2/NDF: 279644.2/34

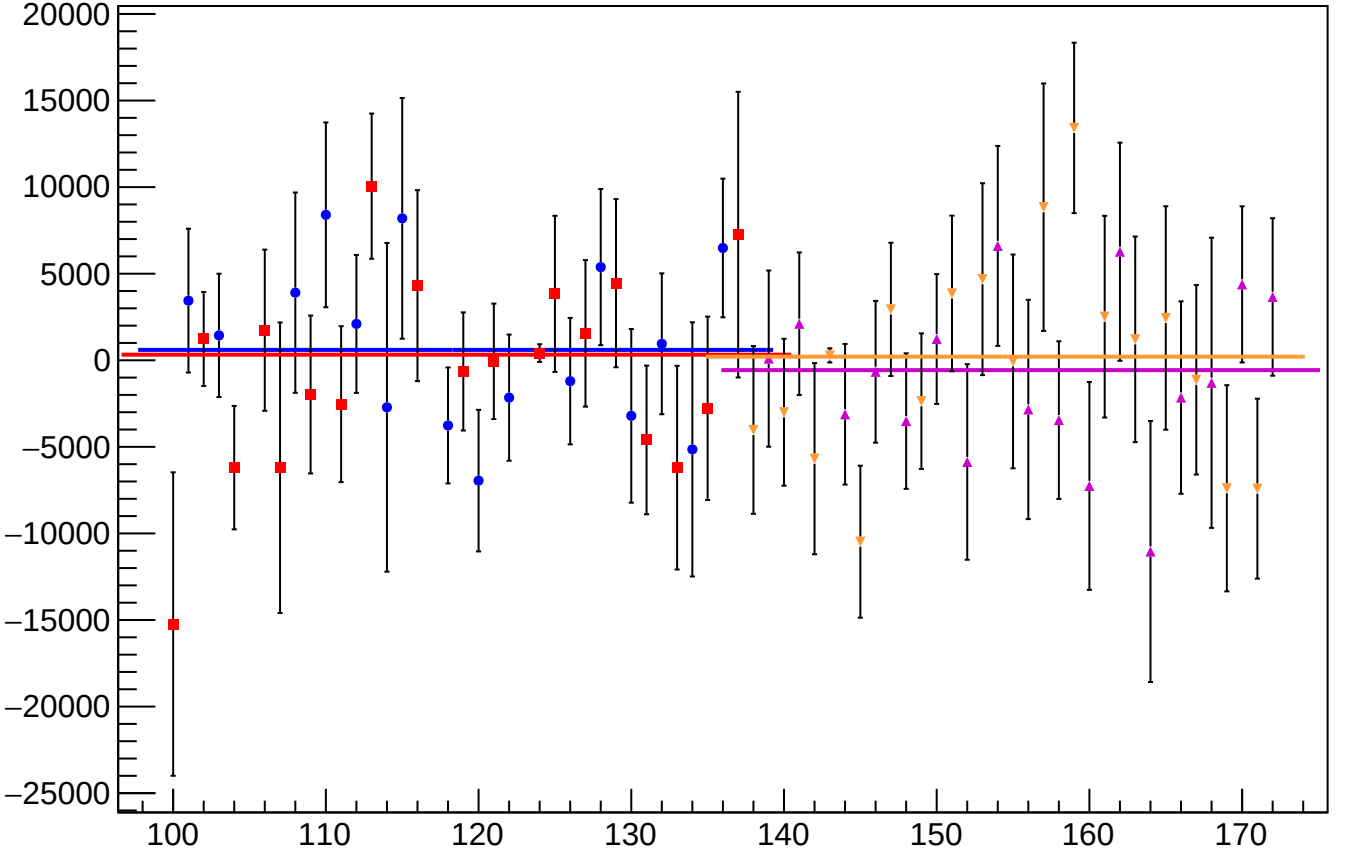
Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1830.720+/-0.283 χ^2/NDF:740150.6/32

Out: 1843.667+/-0.283 χ^2/NDF:623120.7/36

All: 1837.203+/-0.200 χ^2/NDF: 1364317.4/69

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: 207.421+/-388.090 χ^2/NDF:23.5/17

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -568.984+/-1192.112 χ^2/NDF:11.1/16

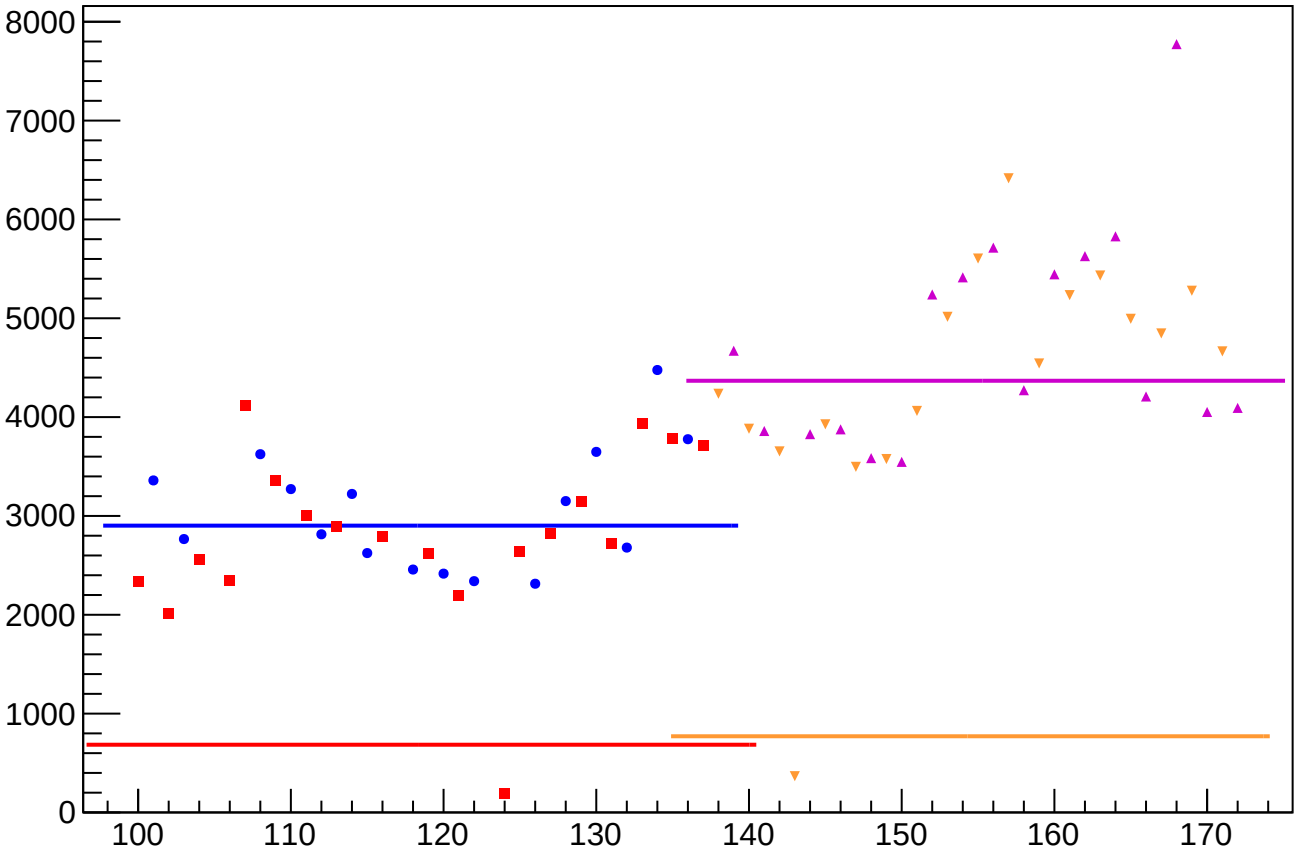
Left: 133.021+/-369.028 χ^2/NDF: 35.0/34

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 62.453+/-808.472 χ^2/NDF:26.5/32

Out: 255.688+/-296.319 χ^2/NDF:42.5/36

All: 232.804+/-278.221 χ^2/NDF: 69.1/69



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 770.761+/-0.274 χ^2/NDF:20198838.9/17

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: 1115.440+/-0.261 χ^2/NDF: 37713307.6/34

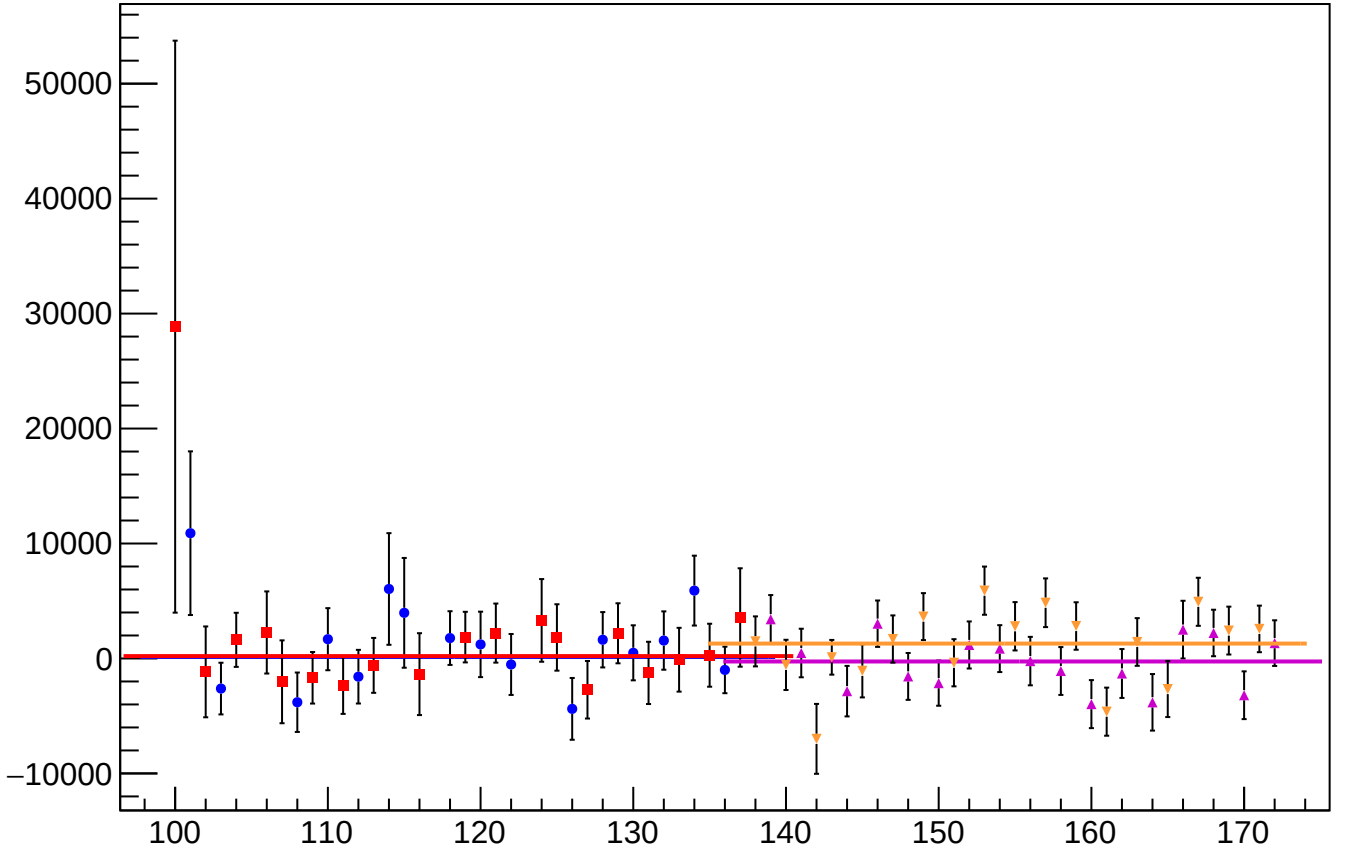
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3576.044+/-0.572 χ^2/NDF:3165429.5/32

Out: 735.104+/-0.210 χ^2/NDF:30345121.4/36

All: 1071.546+/-0.197 χ^2/NDF: 55281745.1/6

dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 133.838+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1296.138+/-493.024 χ^2/NDF:34.9/17

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: 543.847+/-354.532 χ^2/NDF: 60.1/34

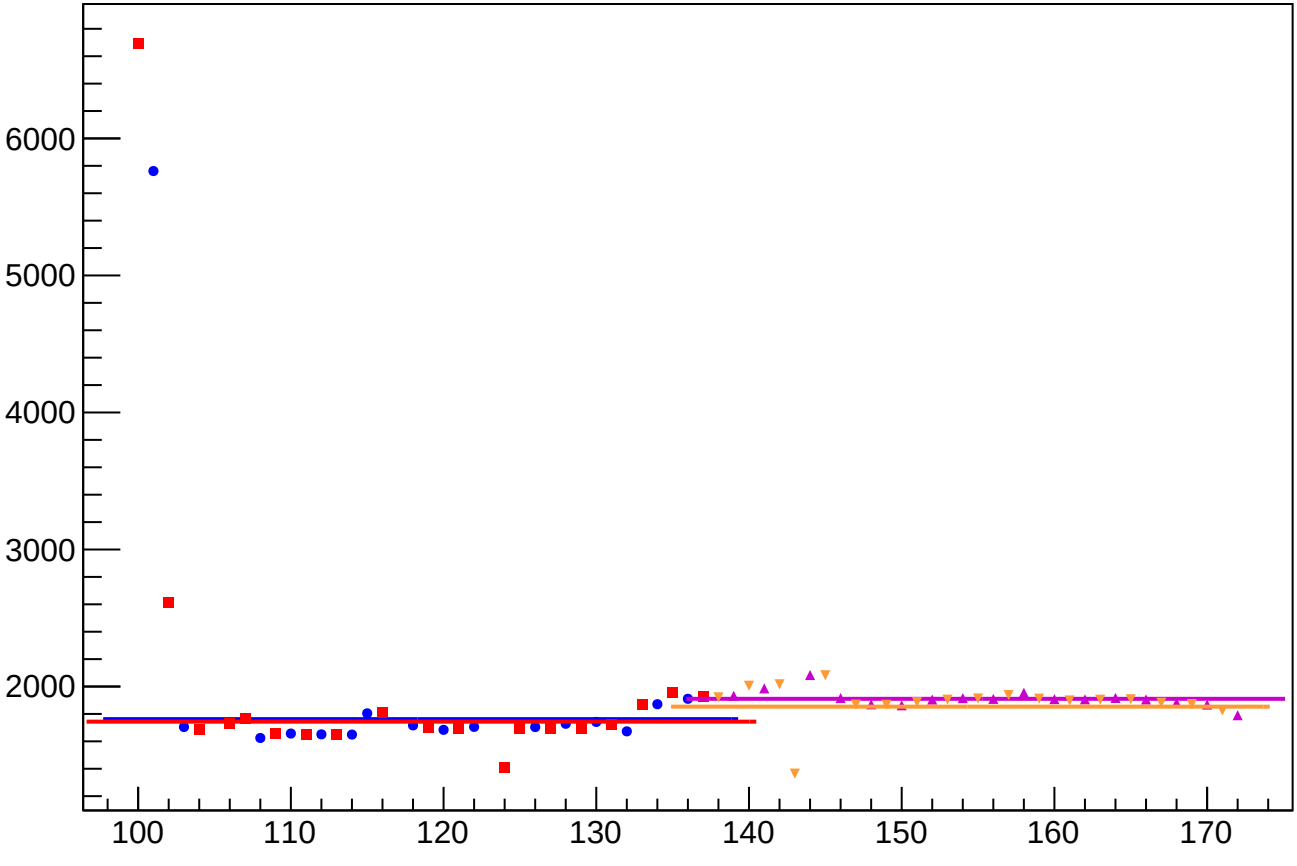
Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: -116.990+/-406.262 χ^2/NDF:37.8/32

Out: 901.240+/-393.785 χ^2/NDF:46.4/36

All: 408.000+/-282.756 χ^2/NDF: 87.5/69

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1853.133+/-0.349 χ^2/NDF:259078.1/17

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1910.308+/-0.361 χ^2/NDF:26732.3/16

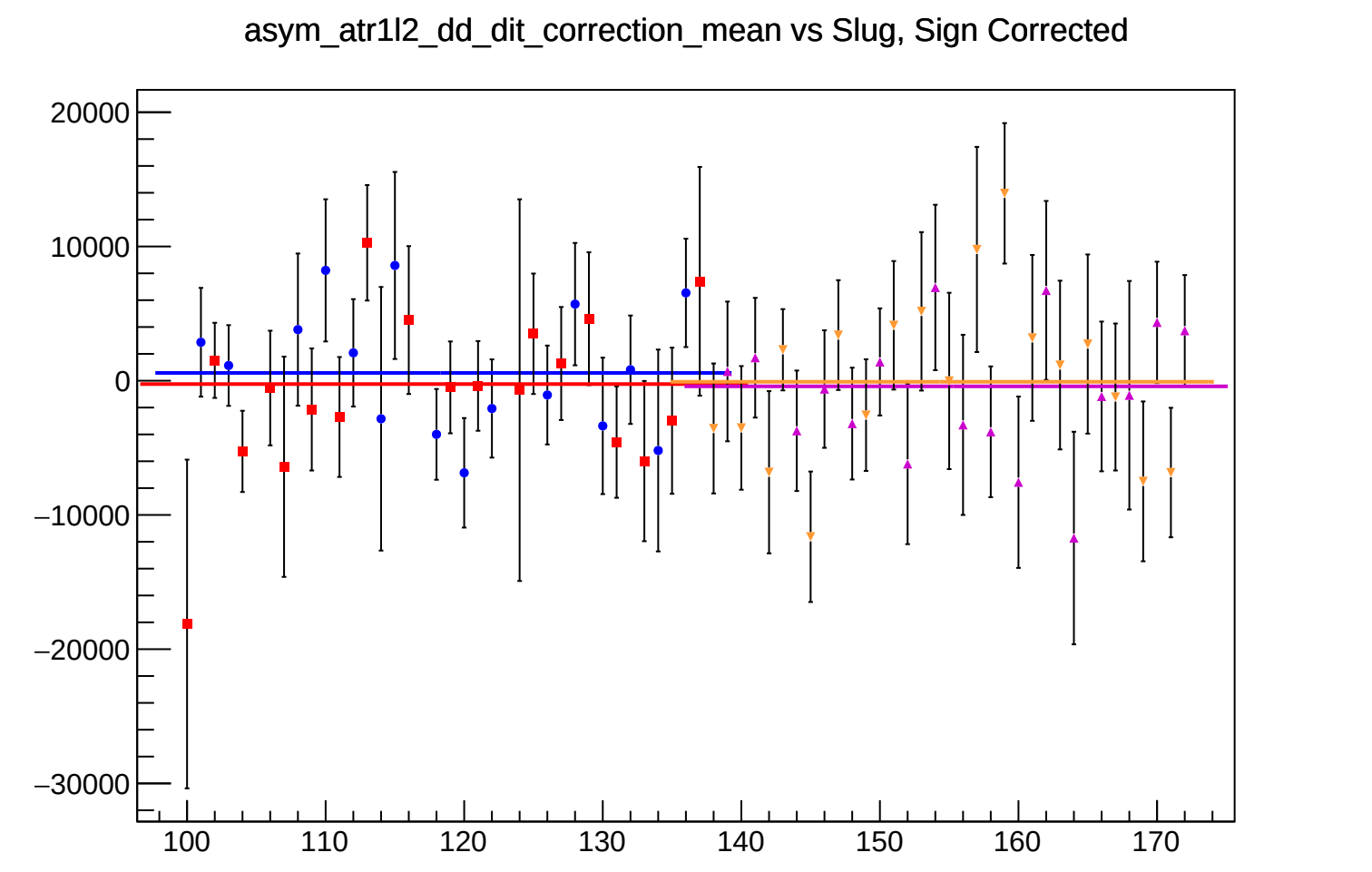
Left: 1880.743+/-0.251 χ^2/NDF: 298799.2/34

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1856.061+/-0.287 χ^2/NDF:756225.5/32

Out: 1813.375+/-0.278 χ^2/NDF:522631.3/36

All: 1834.030+/-0.200 χ^2/NDF: 1290252.4/69



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: -78.428+/-1183.417 χ^2/NDF:24.1/17

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: -419.216+/-1245.845 χ^2/NDF:11.1/16

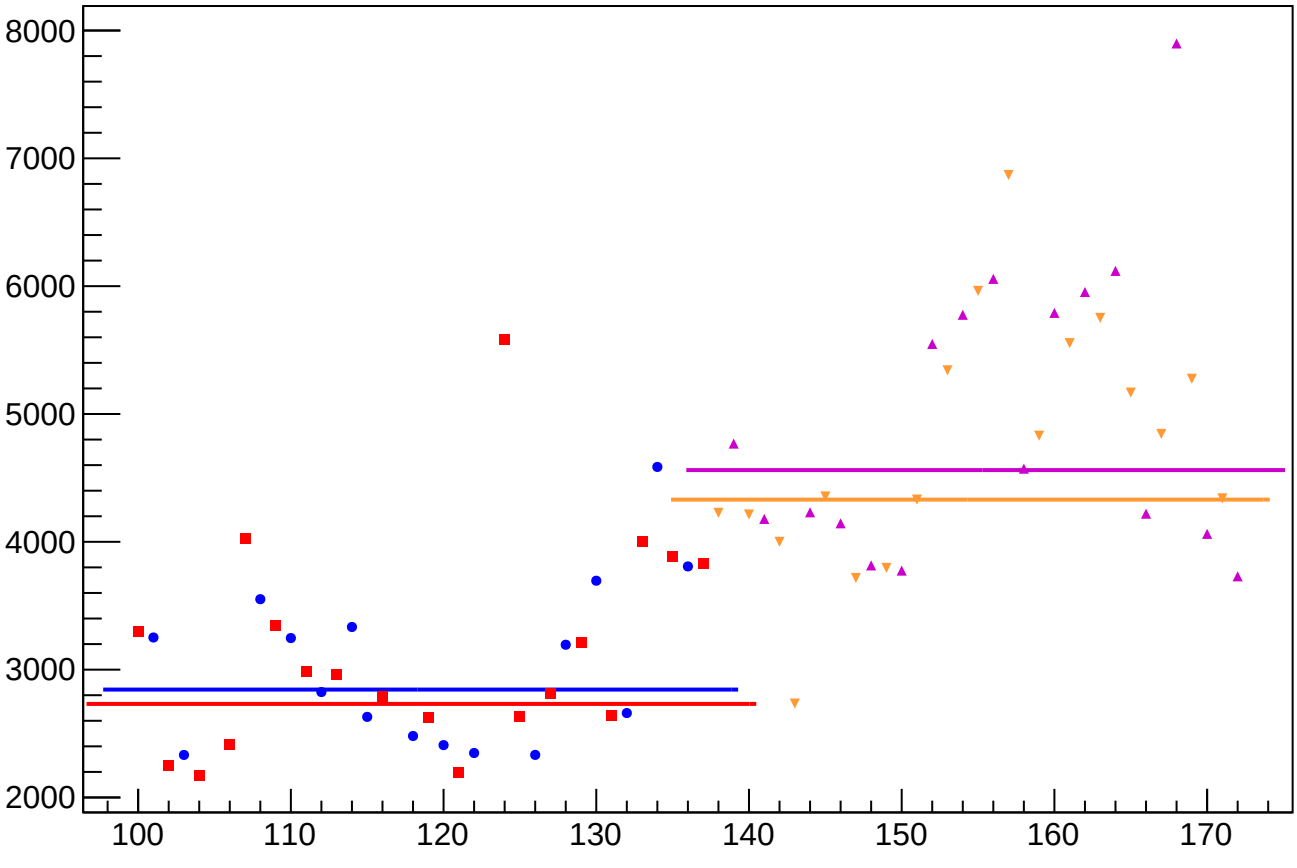
Left: -240.070+/-858.024 χ^2/NDF: 35.3/34

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: 151.878+/-816.696 χ^2/NDF:26.3/32

Out: -176.914+/-773.058 χ^2/NDF:42.1/36

All: -21.537+/-561.428 χ^2/NDF: 68.5/69



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4330.356+/-0.837 χ^2/NDF:1343774.7/17

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4561.194+/-0.881 χ^2/NDF:1078887.9/16

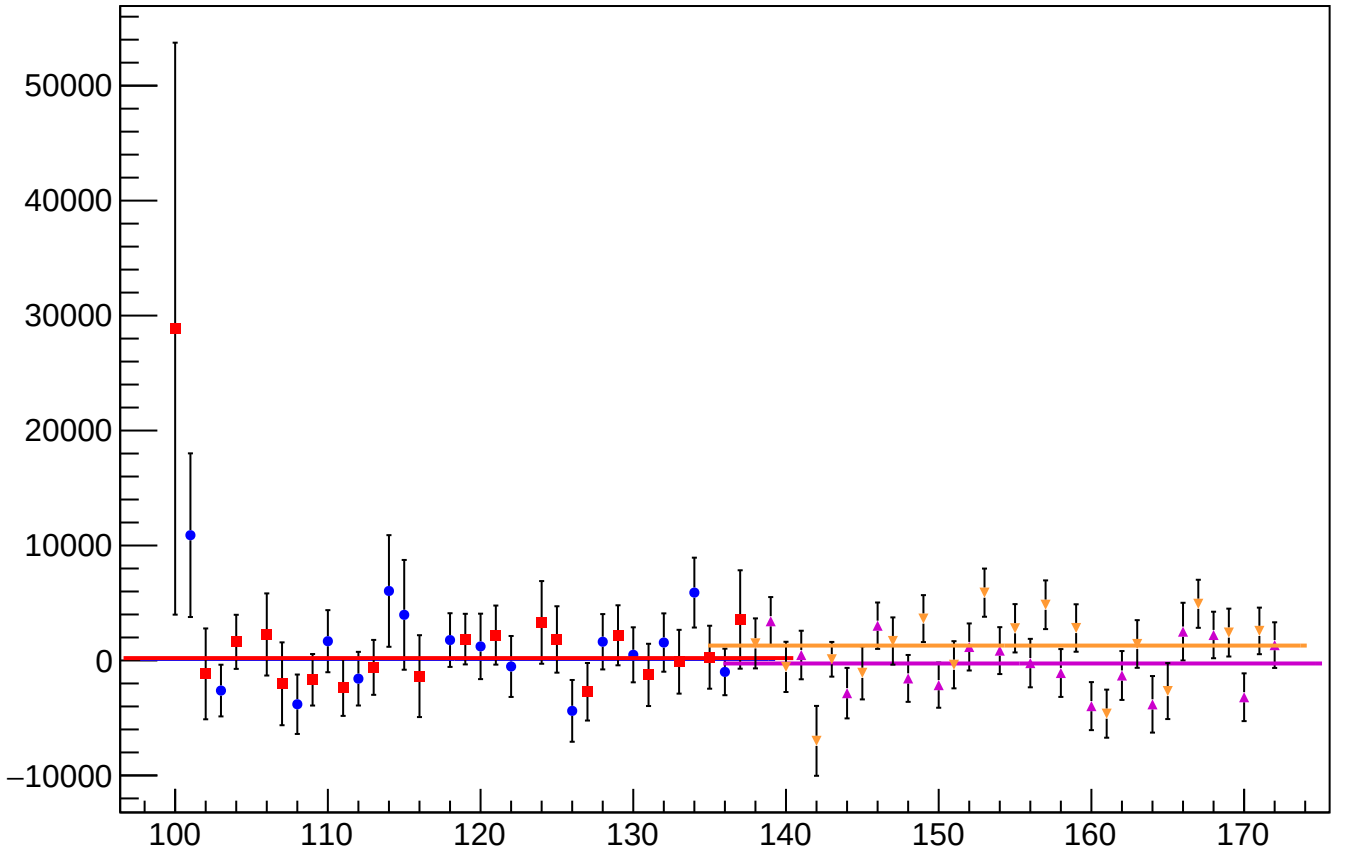
Left: 4439.847+/-0.607 χ^2/NDF: 2458756.9/34

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3582.011+/-0.577 χ^2/NDF:3787357.4/32

Out: 3414.047+/-0.547 χ^2/NDF:4046637.1/36

All: 3493.422+/-0.397 χ^2/NDF: 7878612.1/69



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1296.138+/-493.024 χ^2/NDF:34.9/17

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: -261.730+/-510.186 χ^2/NDF:20.3/16

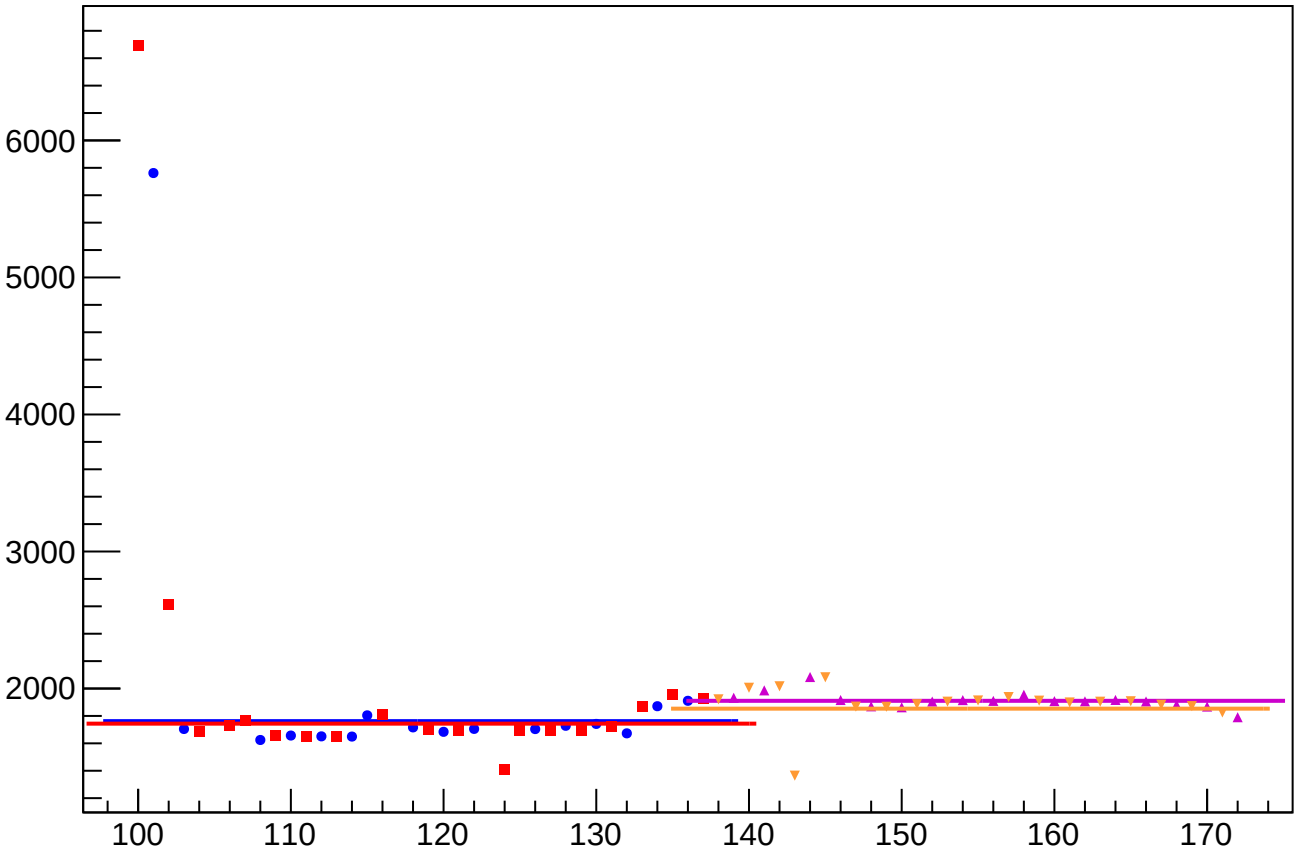
Left: 543.847+/-354.532 χ^2/NDF: 60.1/34

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: -116.992+/-406.262 χ^2/NDF:37.8/32

Out: 901.240+/-393.785 χ^2/NDF:46.4/36

All: 408.000+/-282.756 χ^2/NDF: 87.5/69



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1853.133+/-0.349 χ^2/NDF:259079.5/17

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1910.309+/-0.361 χ^2/NDF:26733.1/16

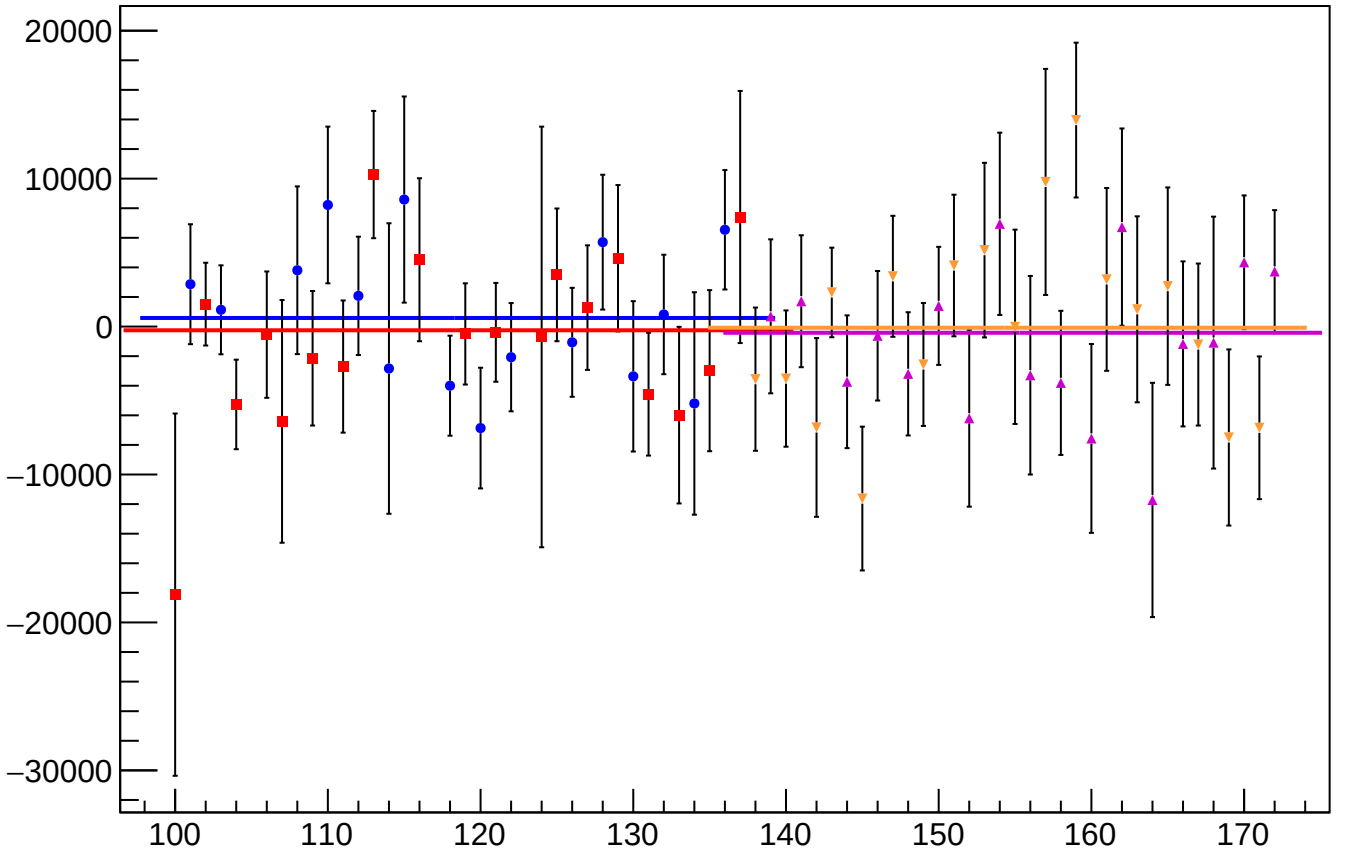
Left: 1880.743+/-0.251 χ^2/NDF: 298801.5/34

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1856.061+/-0.287 χ^2/NDF:756226.8/32

Out: 1813.375+/-0.278 χ^2/NDF:522633.0/36

All: 1834.030+/-0.200 χ^2/NDF: 1290255.5/69



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -78.424+/-1183.419 χ^2/NDF:24.1/17

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -419.217+/-1245.847 χ^2/NDF:11.1/16

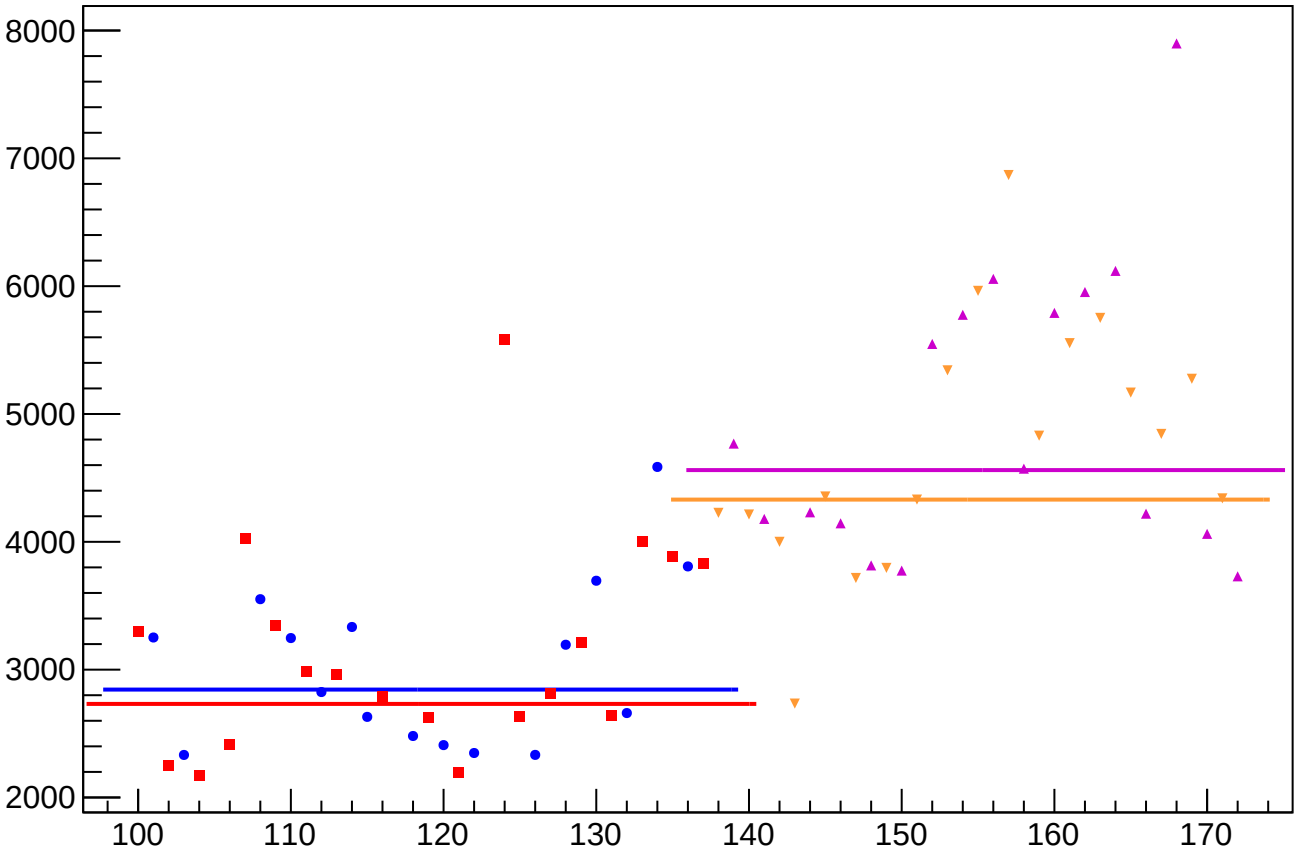
Left: -240.068+/-858.025 χ^2/NDF: 35.3/34

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 151.877+/-816.695 χ^2/NDF:26.3/32

Out: -176.914+/-773.058 χ^2/NDF:42.1/36

All: -21.537+/-561.428 χ^2/NDF: 68.5/69



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4330.361+/-0.837 χ^2/NDF:1343780.5/17

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: 4439.853+/-0.607 χ^2/NDF: 2458763.5/34

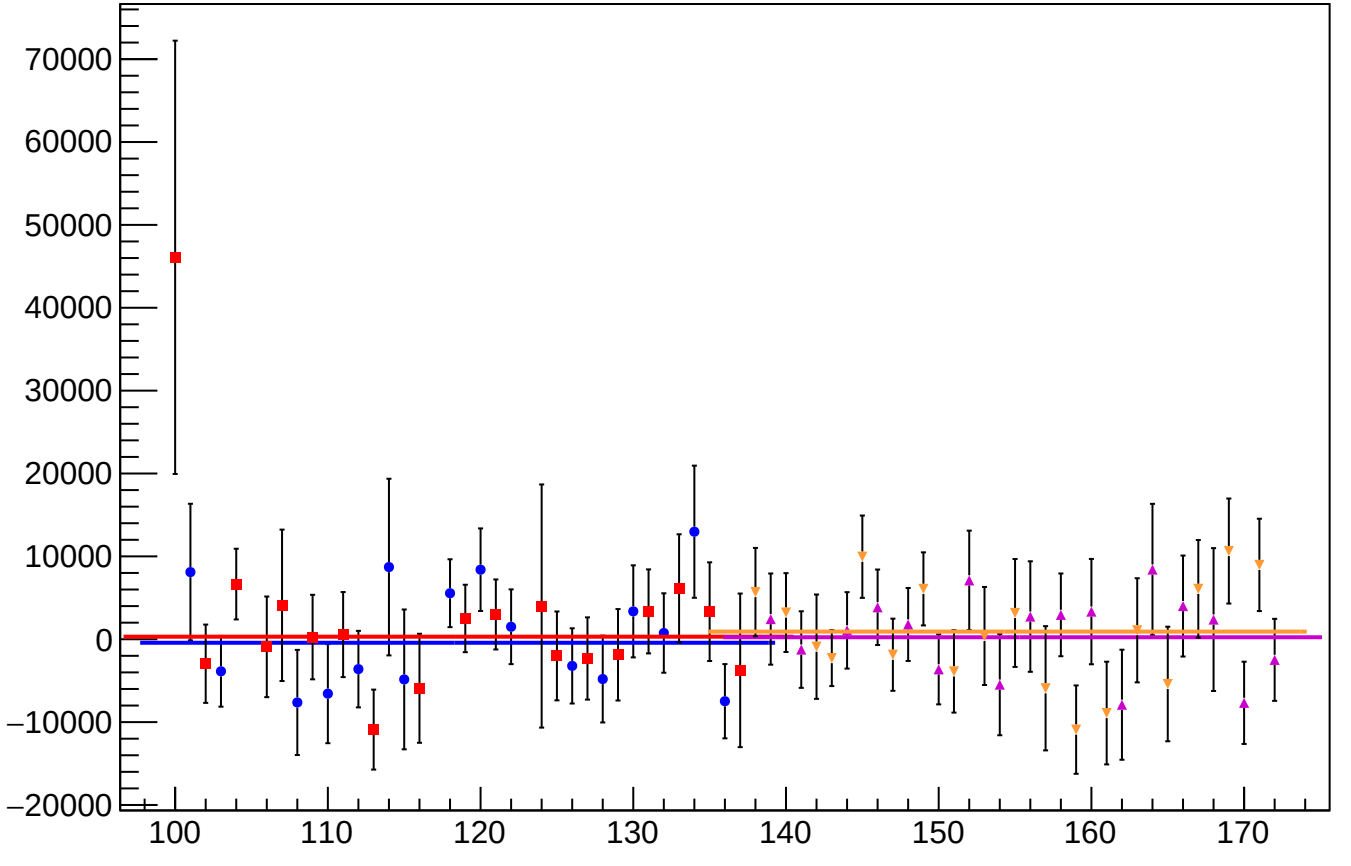
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3582.006+/-0.577 χ^2/NDF:3787399.9/32

Out: 3414.043+/-0.547 χ^2/NDF:4046669.9/36

All: 3493.418+/-0.397 χ^2/NDF: 7878686.9/69

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 920.671+/-1249.087 χ^2/NDF:22.5/17

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: 596.502+/-903.178 χ^2/NDF: 33.2/34

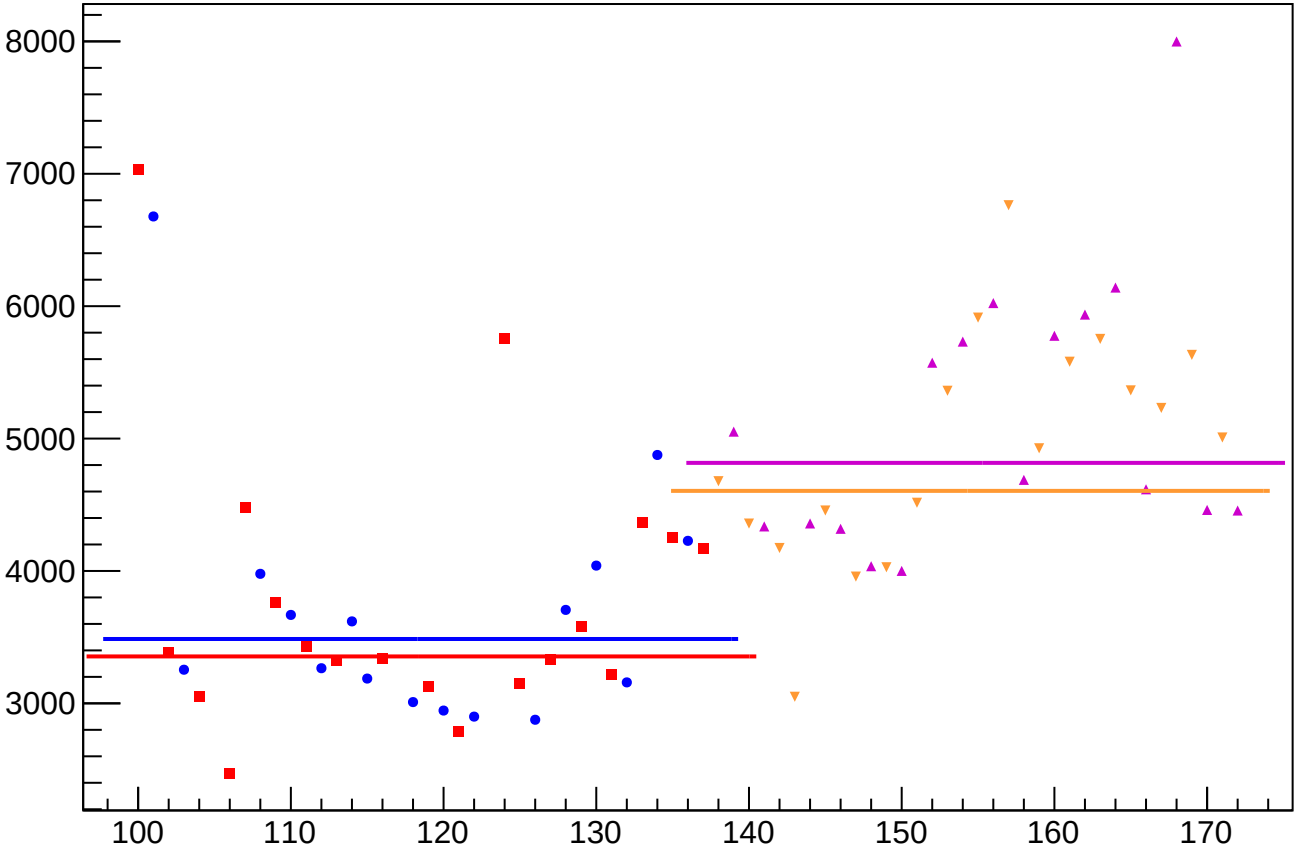
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: -85.924+/-931.444 χ^2/NDF:28.6/32

Out: 620.711+/-892.504 χ^2/NDF:37.9/36

All: 282.473+/-644.422 χ^2/NDF: 66.8/69

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4604.914+/-0.883 χ^2/NDF:1033142.8/17

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4816.437+/-0.925 χ^2/NDF:803780.6/16

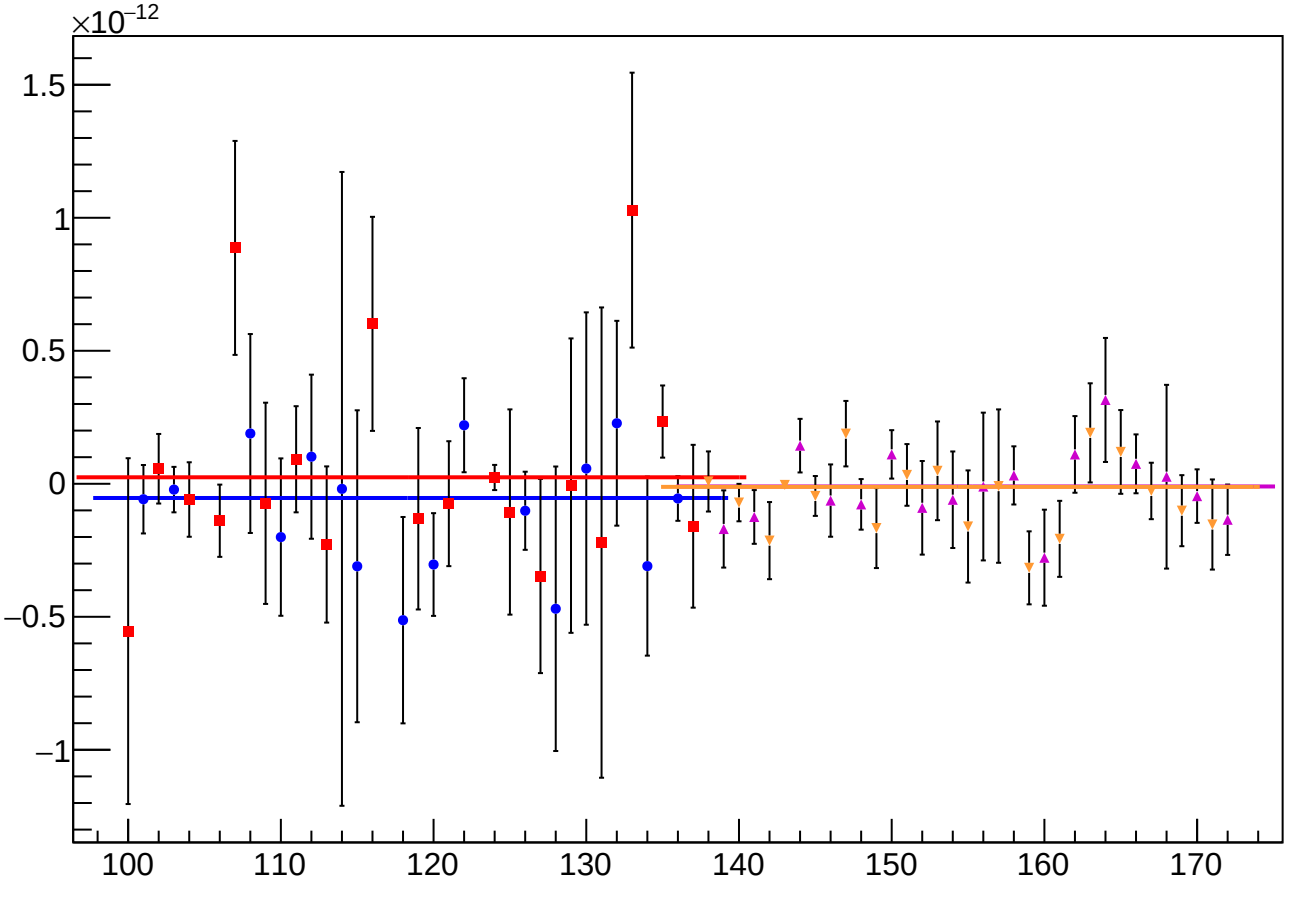
Left: 4705.846+/-0.639 χ^2/NDF: 1864290.6/34

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 4161.283+/-0.659 χ^2/NDF:2419192.8/32

Out: 3984.083+/-0.627 χ^2/NDF:2404740.1/36

All: 4068.290+/-0.454 χ^2/NDF: 4861919.7/69



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:14.1/16

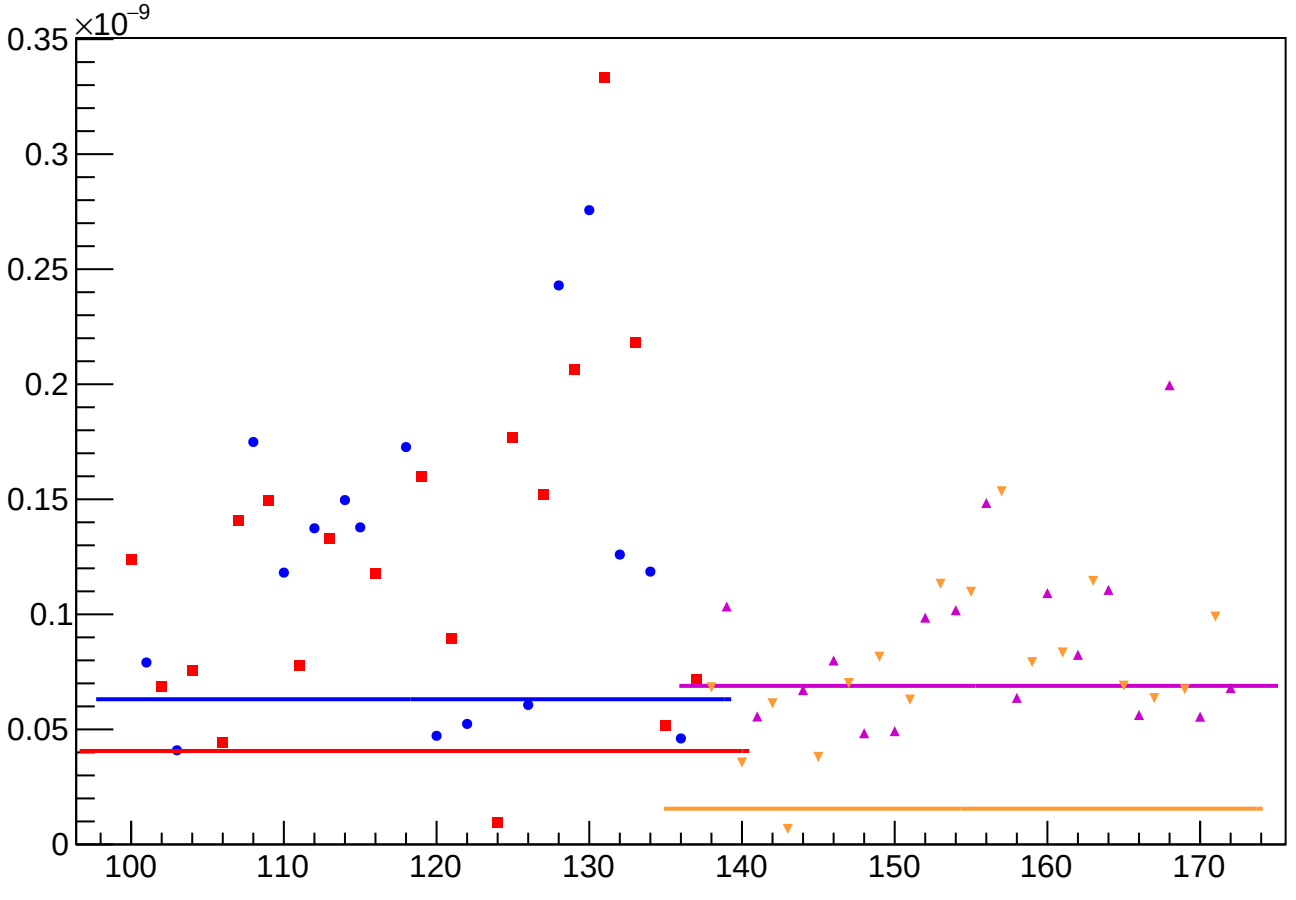
Left: -0.000+/-0.000 χ^2/NDF: 31.6/34

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:36.8/36

All: -0.000+/-0.000 χ^2/NDF: 60.5/69



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7308453.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1168951.7/16

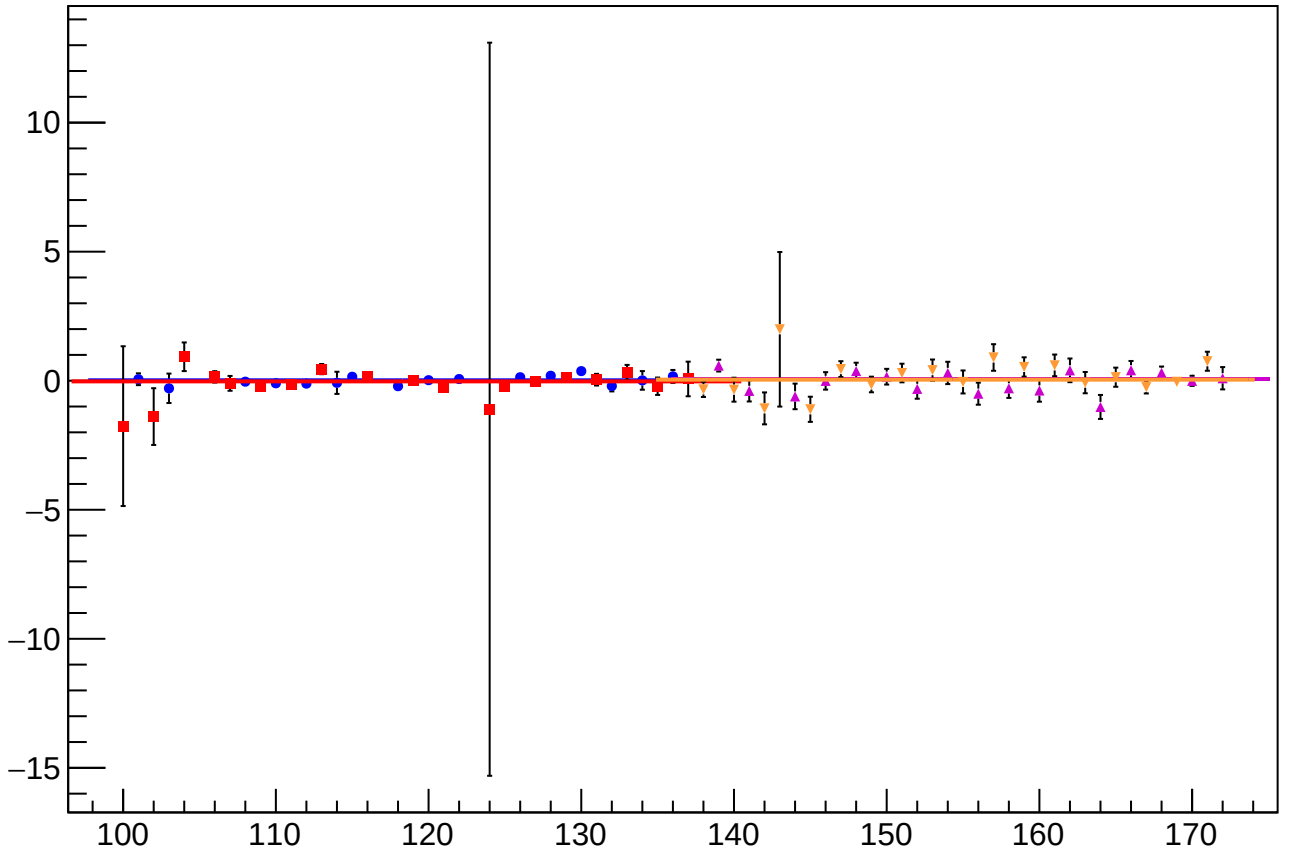
Left: 0.000+/-0.000 χ^2/NDF: 13610793.7/34

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:11367868.5/36

All: 0.000+/-0.000 χ^2/NDF: 20163026.6/69



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.041+/-0.082 χ^2/NDF:26.8/17

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.066+/-0.081 χ^2/NDF:22.4/16

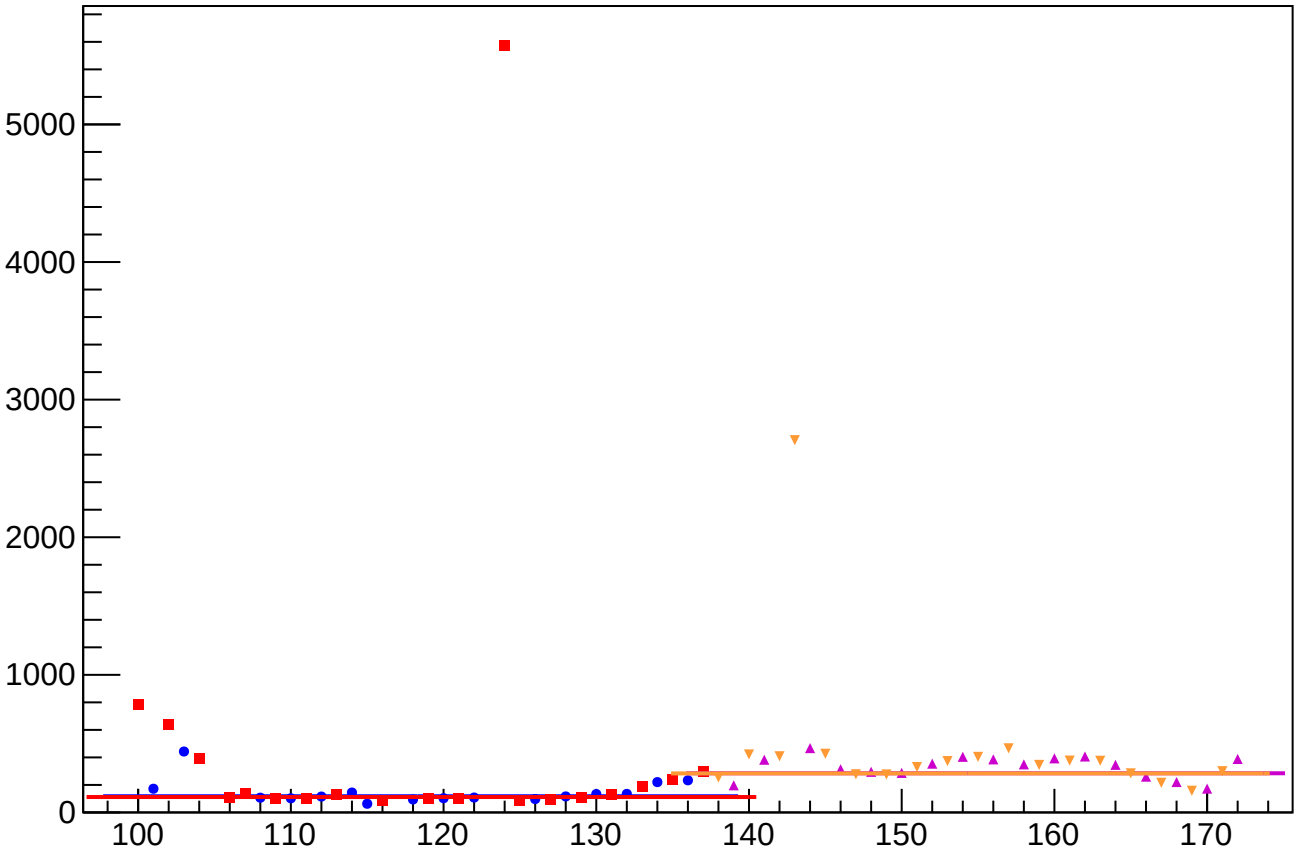
Left: 0.054+/-0.057 χ^2/NDF: 49.2/34

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.029+/-0.041 χ^2/NDF:34.5/32

Out: -0.009+/-0.041 χ^2/NDF:49.4/36

All: 0.009+/-0.029 χ^2/NDF: 84.3/69



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 283.737+/-0.058 χ^2/NDF:3705312.6/17

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: 284.269+/-0.041 χ^2/NDF: 6009203.4/34

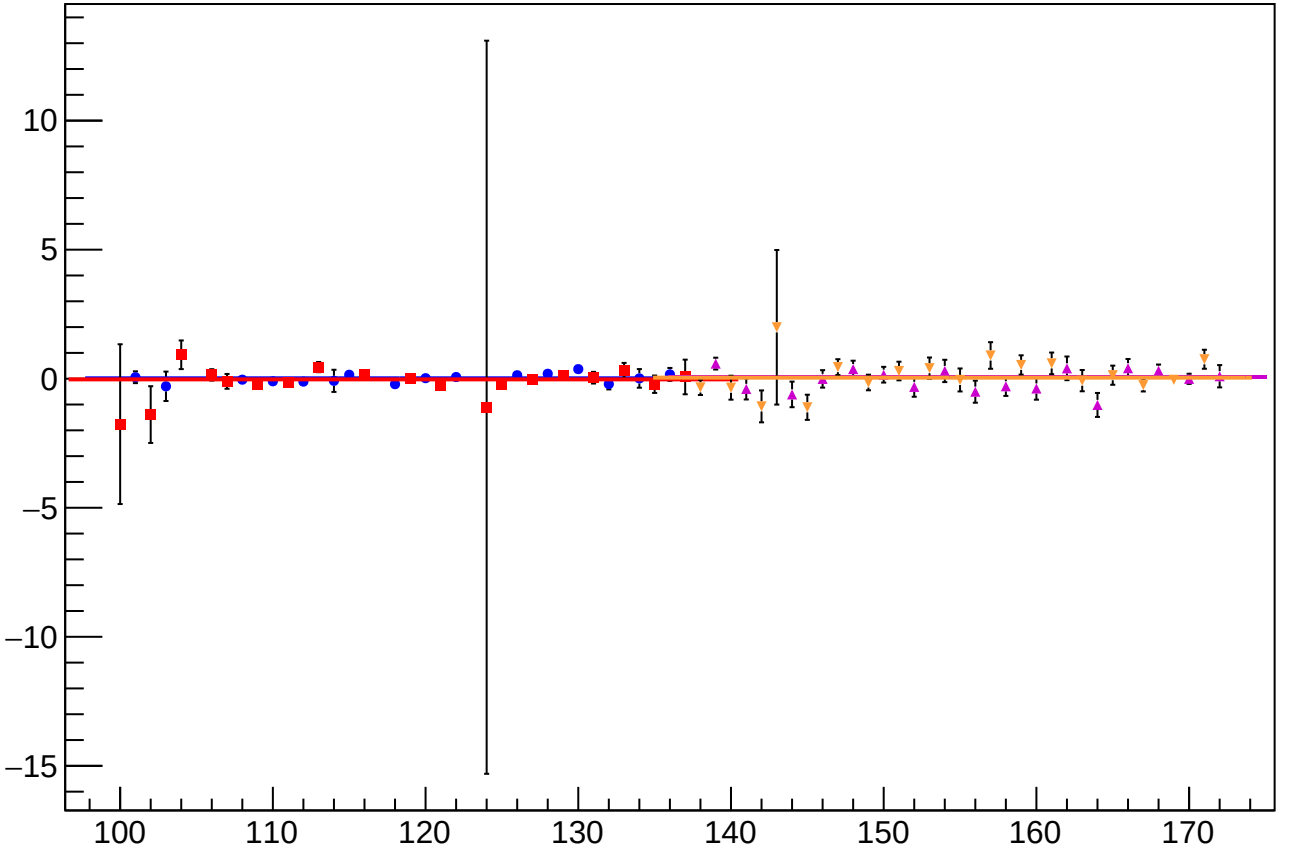
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 161.299+/-0.029 χ^2/NDF:10387139.4/32

Out: 154.387+/-0.029 χ^2/NDF:12502556.5/36

All: 157.801+/-0.020 χ^2/NDF: 22918234.2/69

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: 0.041+/-0.082 χ^2/NDF:26.8/17

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: 0.054+/-0.057 χ^2/NDF: 49.2/34

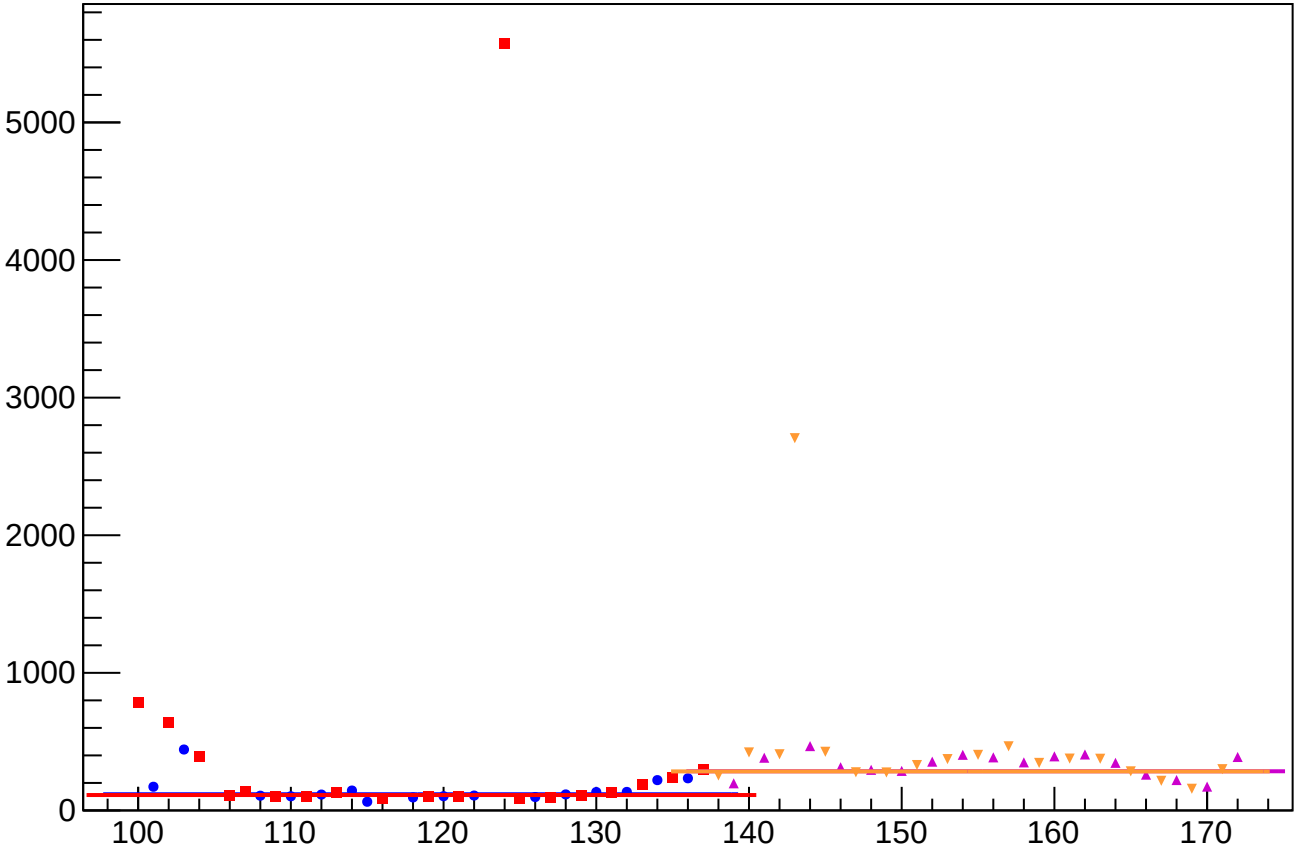
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.029+/-0.041 χ^2/NDF:34.5/32

Out: -0.009+/-0.041 χ^2/NDF:49.4/36

All: 0.009+/-0.029 χ^2/NDF: 84.3/69

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: 283.737+/-0.058 χ^2/NDF:3705312.6/17

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 284.783+/-0.057 χ^2/NDF:2303725.0/16

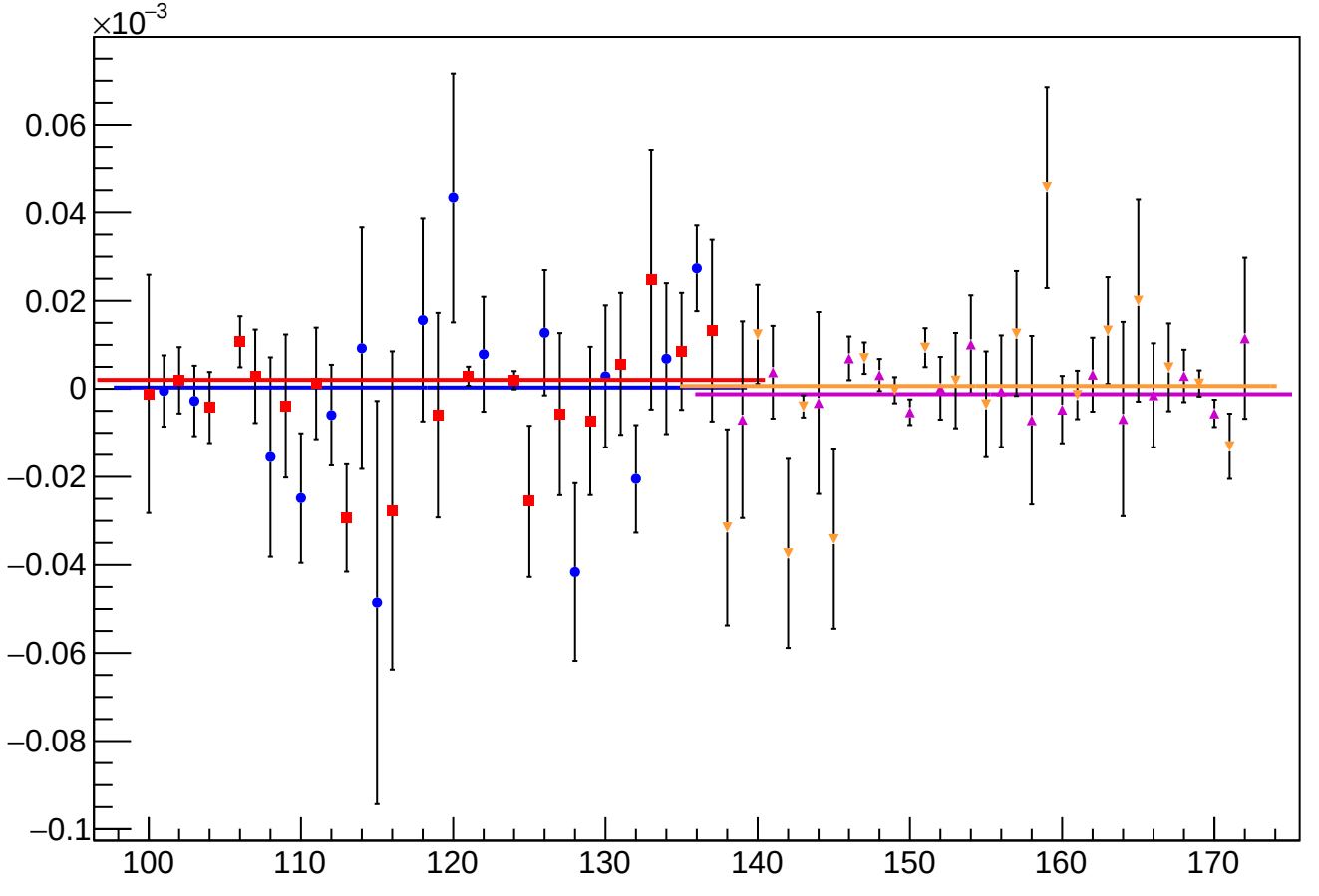
Left: 284.269+/-0.041 χ^2/NDF: 6009203.4/34

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 161.299+/-0.029 χ^2/NDF:10387139.4/32

Out: 154.387+/-0.029 χ^2/NDF:12502556.5/36

All: 157.801+/-0.020 χ^2/NDF: 22918234.2/69



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:11.0/16

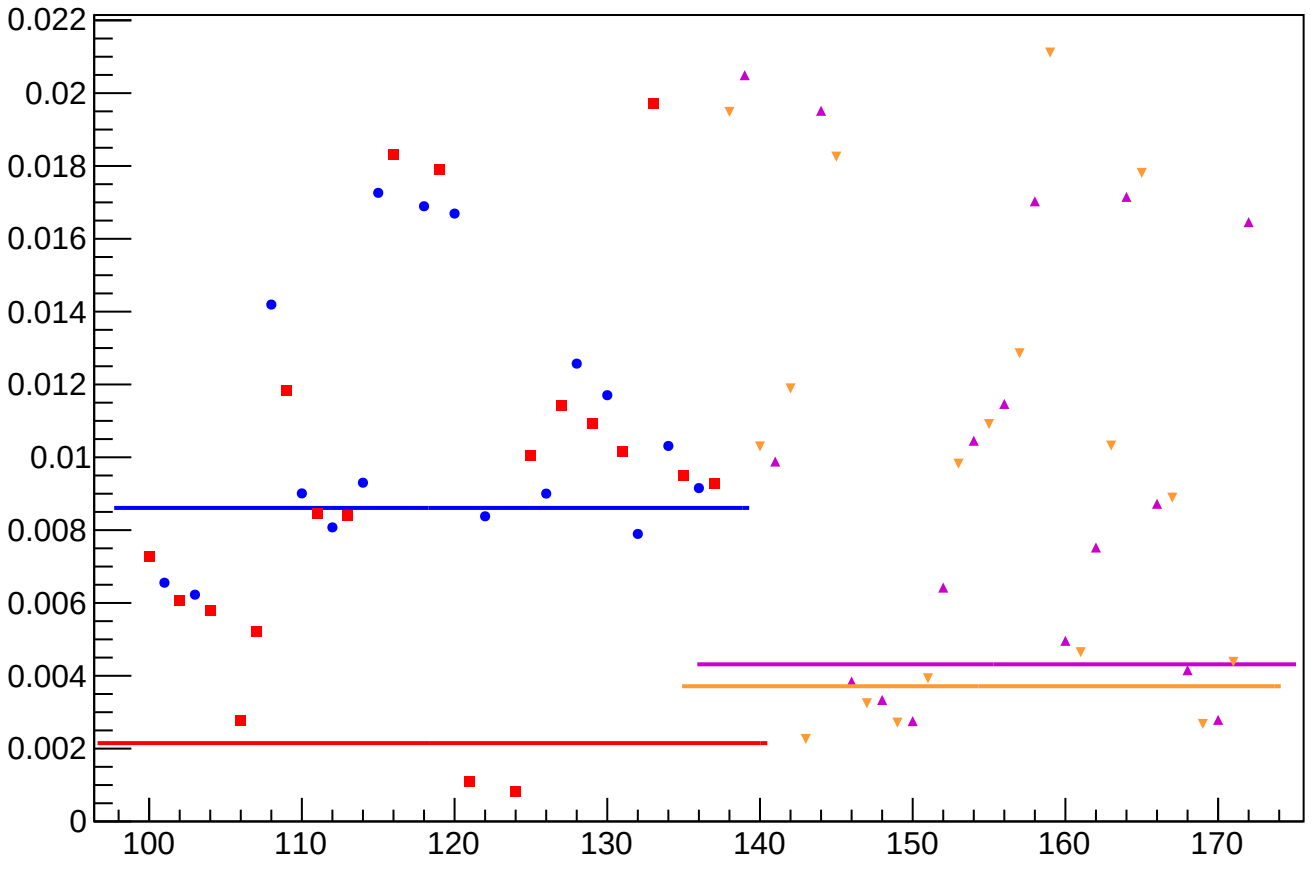
Left: -0.000+/-0.000 χ^2/NDF: 42.0/34

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:45.4/36

All: 0.000+/-0.000 χ^2/NDF: 82.7/69



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:9480856.9/17

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: 18022451.7/34

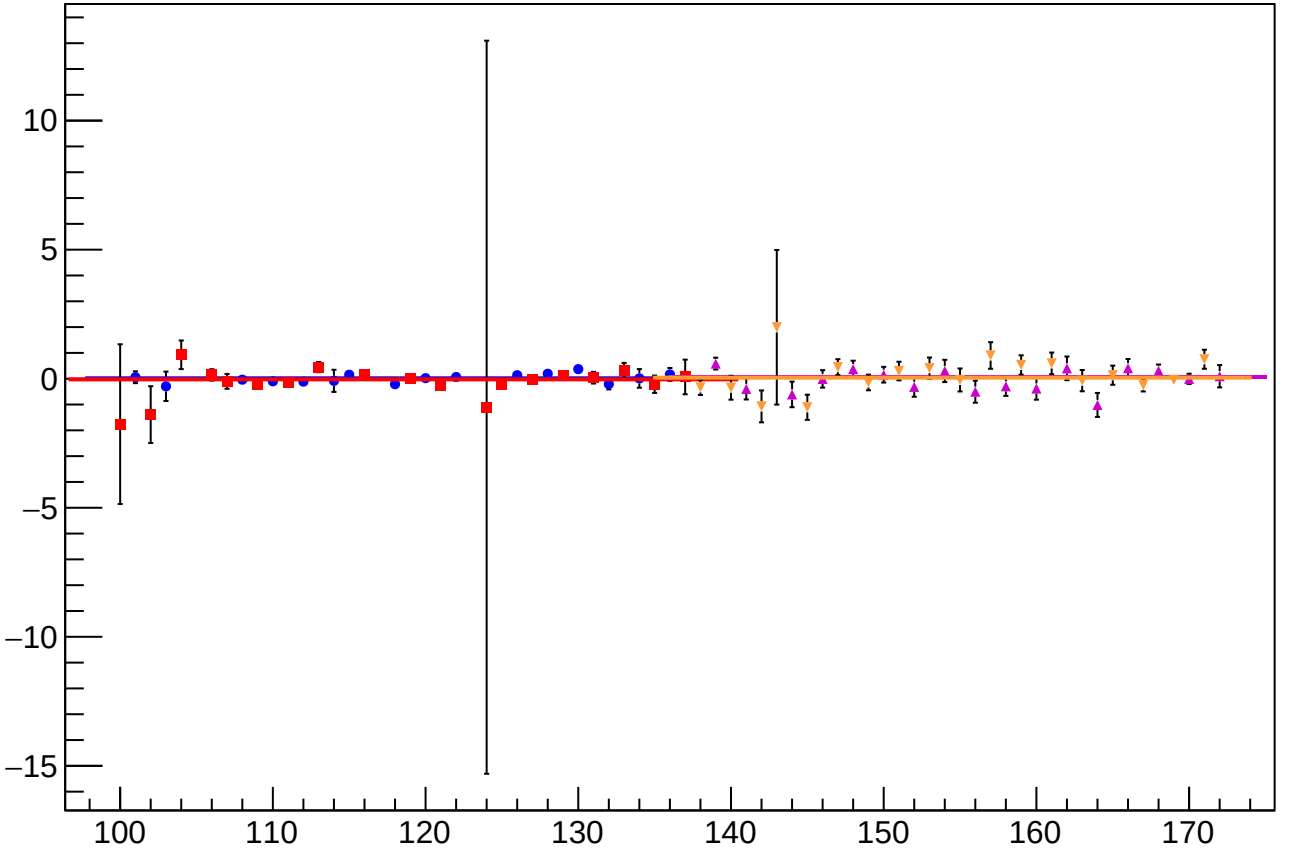
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:12183692.1/32

Out: 0.003+/-0.000 χ^2/NDF:20002111.8/36

All: 0.004+/-0.000 χ^2/NDF: 35272185.0/69

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: 0.041+/-0.082 χ^2/NDF:26.8/17

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: 0.054+/-0.057 χ^2/NDF: 49.2/34

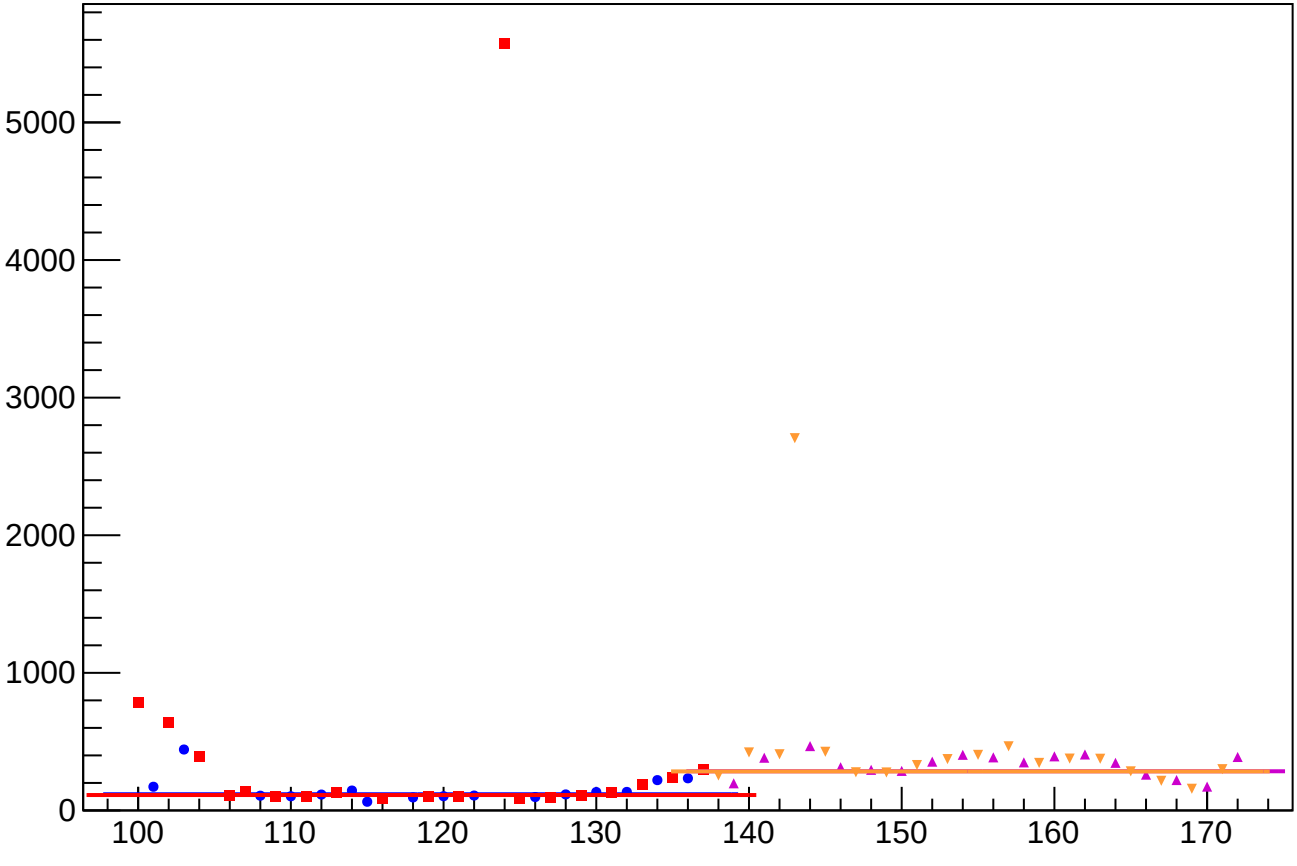
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.029+/-0.041 χ^2/NDF:34.5/32

Out: -0.009+/-0.041 χ^2/NDF:49.4/36

All: 0.009+/-0.029 χ^2/NDF: 84.3/69

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: 283.739+/-0.058 χ^2/NDF:3705406.5/17

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: 284.271+/-0.041 χ^2/NDF: 6009290.9/34

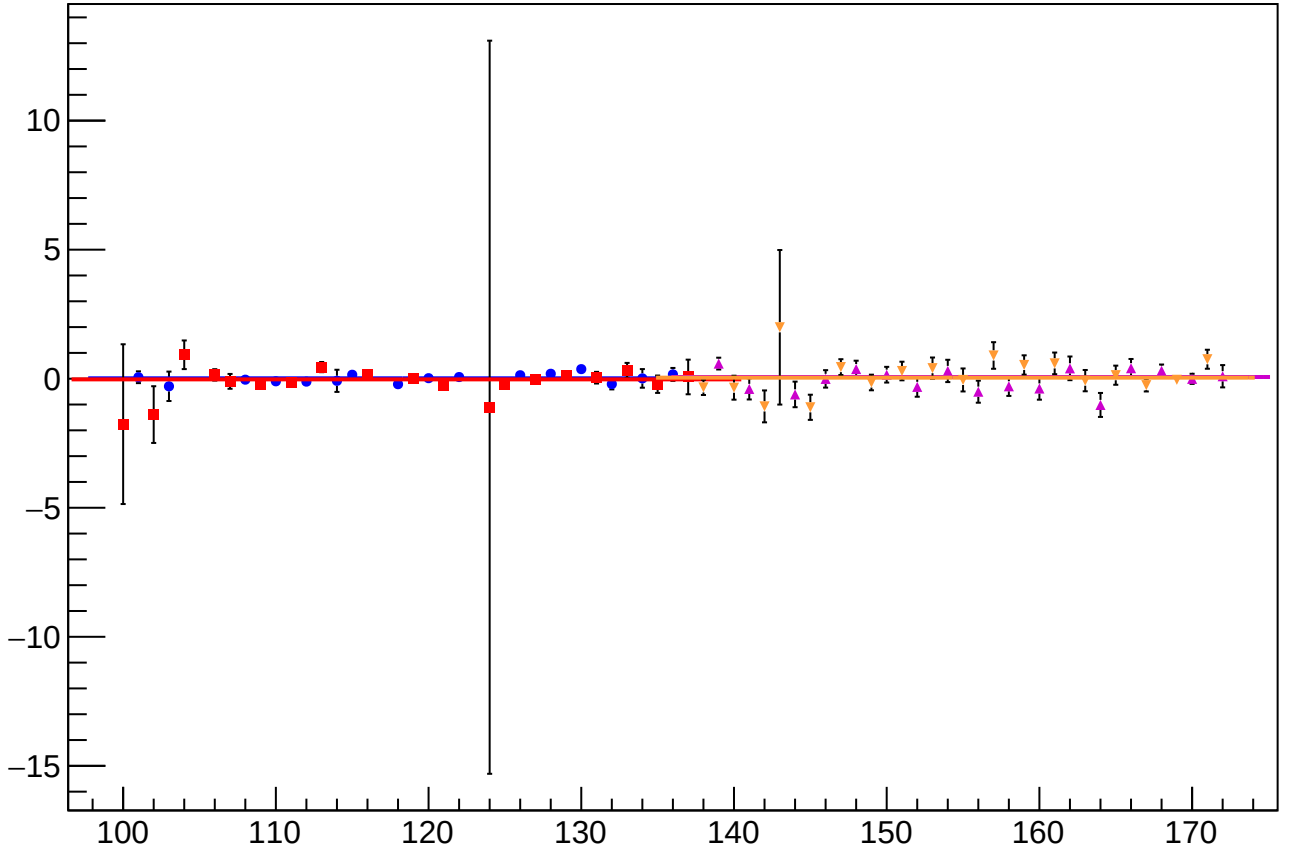
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 161.299+/-0.029 χ^2/NDF:10387235.0/32

Out: 154.389+/-0.029 χ^2/NDF:12502496.4/36

All: 157.802+/-0.020 χ^2/NDF: 22918254.8/69

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: 0.041+/-0.082 χ^2/NDF:26.8/17

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: 0.054+/-0.057 χ^2/NDF: 49.2/34

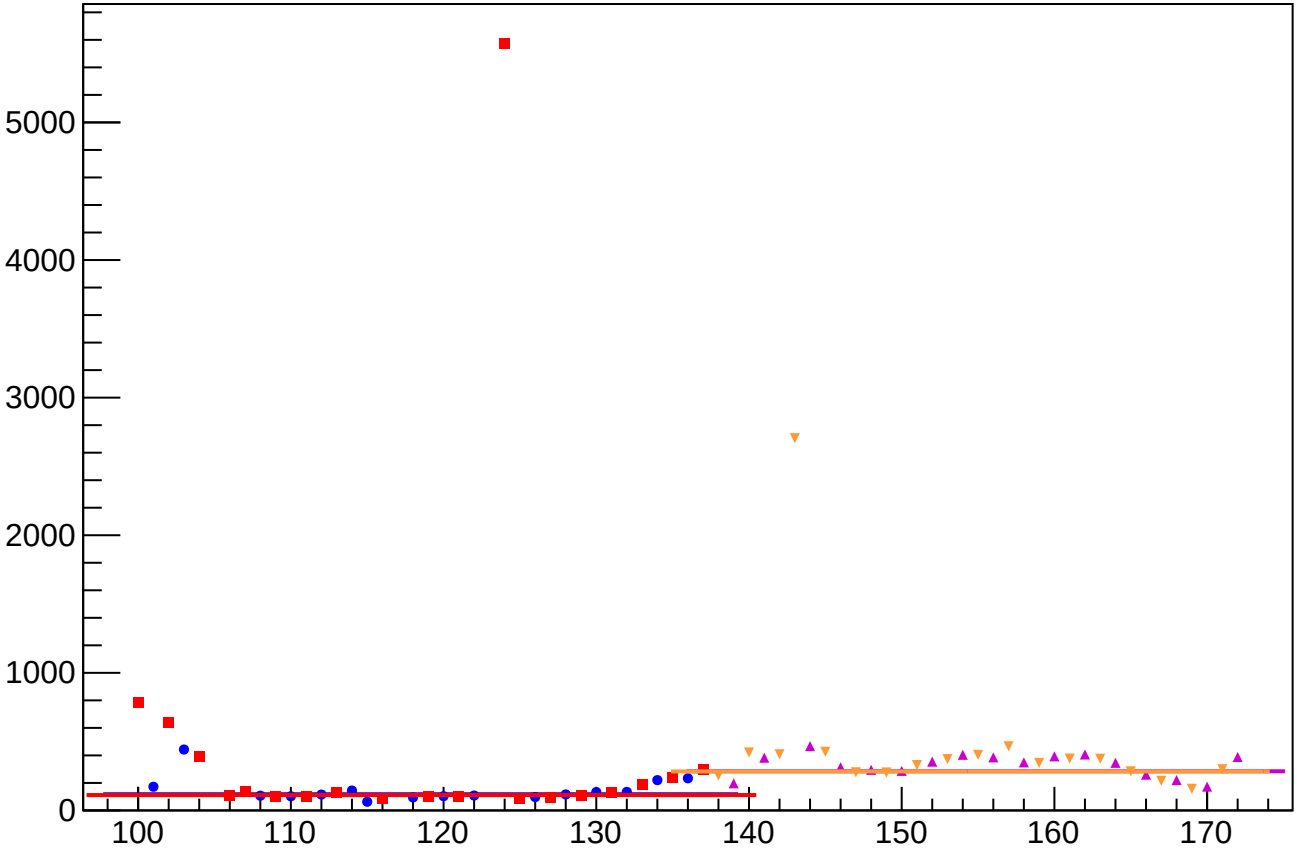
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.029+/-0.041 χ^2/NDF:34.5/32

Out: -0.009+/-0.041 χ^2/NDF:49.4/36

All: 0.009+/-0.029 χ^2/NDF: 84.3/69

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 283.739+/-0.058 χ^2/NDF:3705406.5/17

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 284.786+/-0.057 χ^2/NDF:2303718.3/16

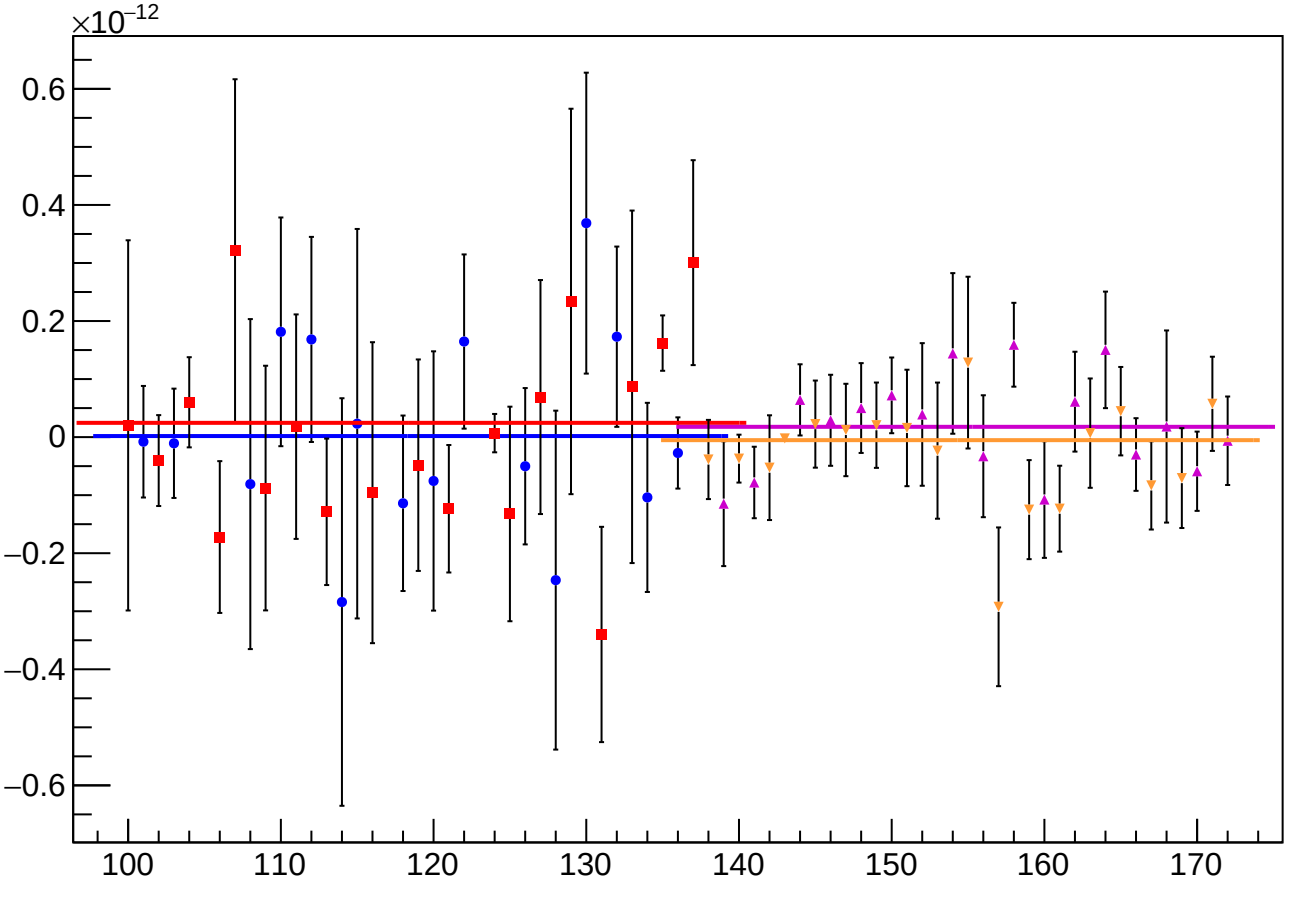
Left: 284.271+/-0.041 χ^2/NDF: 6009290.9/34

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 161.299+/-0.029 χ^2/NDF:10387235.0/32

Out: 154.389+/-0.029 χ^2/NDF:12502496.4/36

All: 157.802+/-0.020 χ^2/NDF: 22918254.8/69



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: 0.000+/-0.000 χ^2/NDF:15.8/16

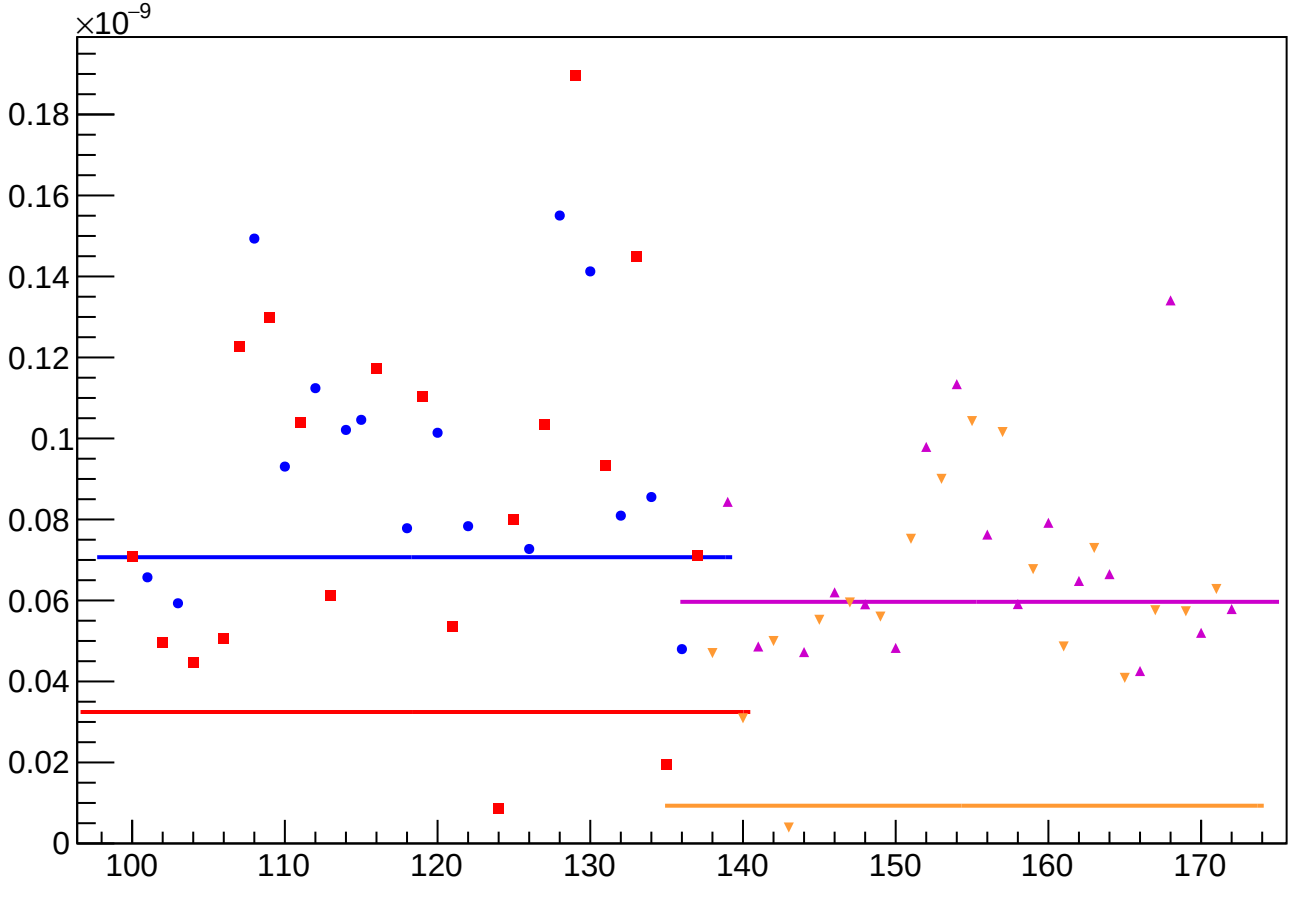
Left: -0.000+/-0.000 χ^2/NDF: 31.2/34

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:40.1/36

All: -0.000+/-0.000 χ^2/NDF: 66.0/69



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13840167.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1531757.0/16

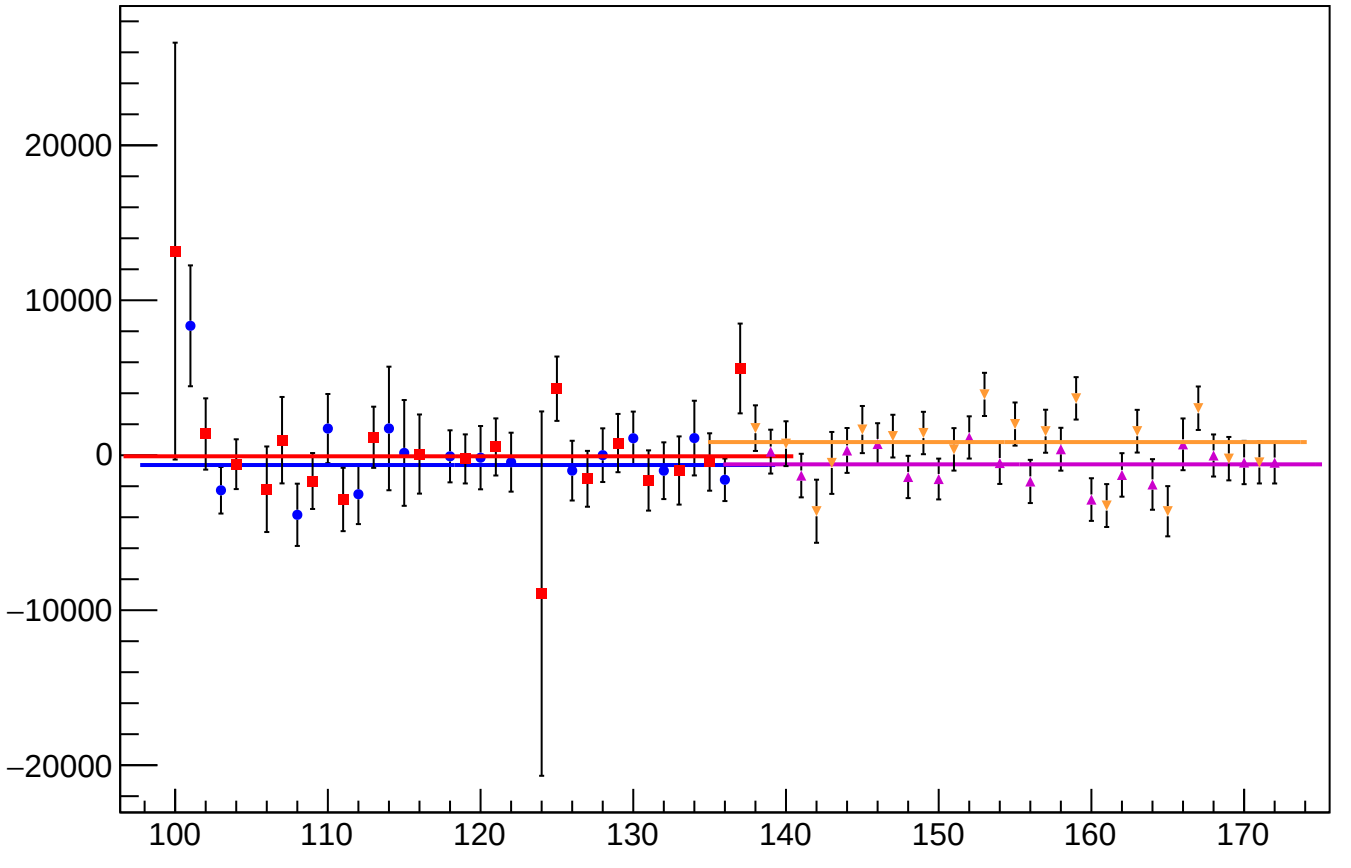
Left: 0.000+/-0.000 χ^2/NDF: 27307001.7/34

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:20402622.1/36

All: 0.000+/-0.000 χ^2/NDF: 39180344.4/69



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 849.580+/-342.350 χ^2/NDF:36.9/17

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -587.016+/-339.943 χ^2/NDF:10.0/16

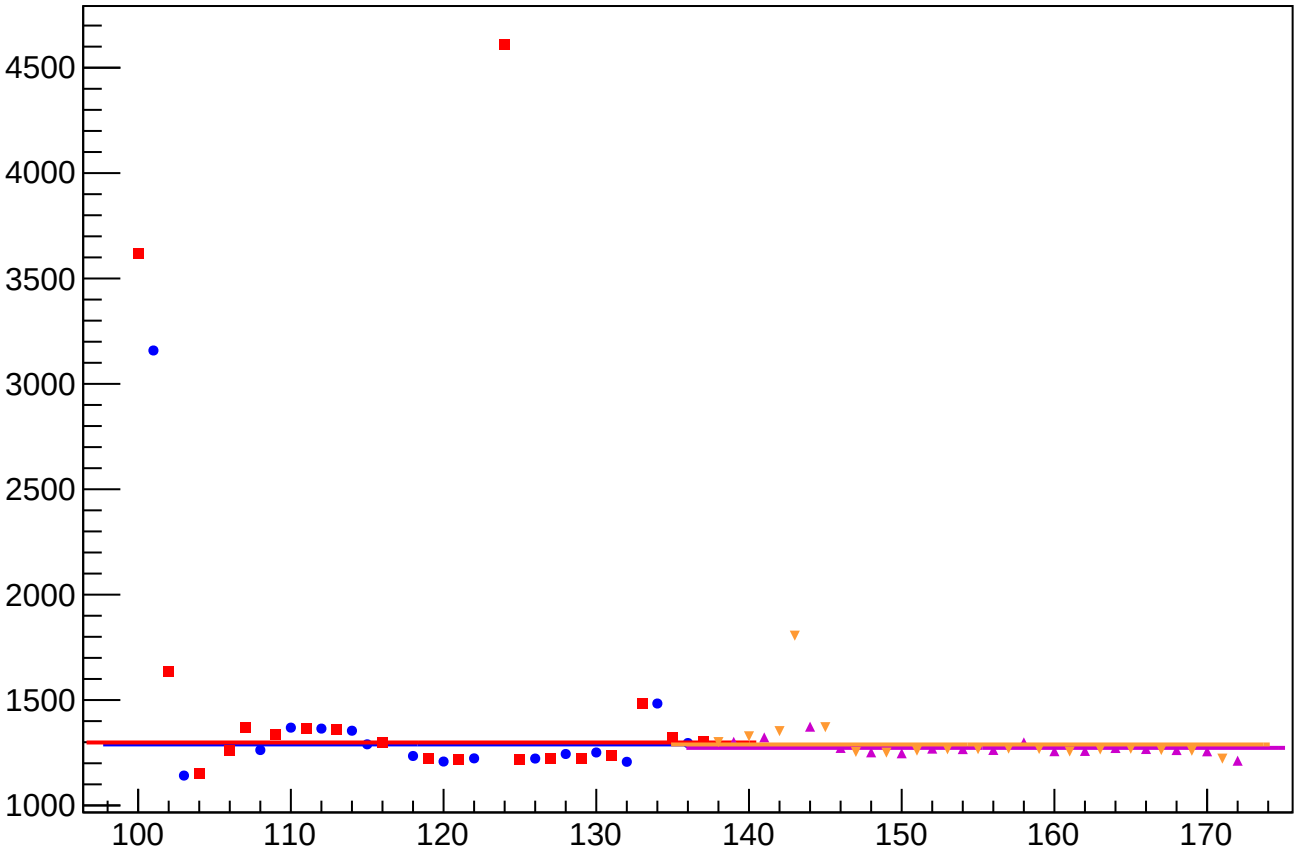
Left: 126.215+/-241.223 χ^2/NDF: 55.7/34

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -601.373+/-279.060 χ^2/NDF:23.9/32

Out: 546.856+/-280.216 χ^2/NDF:55.2/36

All: -29.632+/-197.733 χ^2/NDF: 87.5/69



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1289.208+/-0.242 χ^2/NDF:157144.9/17

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1273.082+/-0.240 χ^2/NDF:20041.8/16

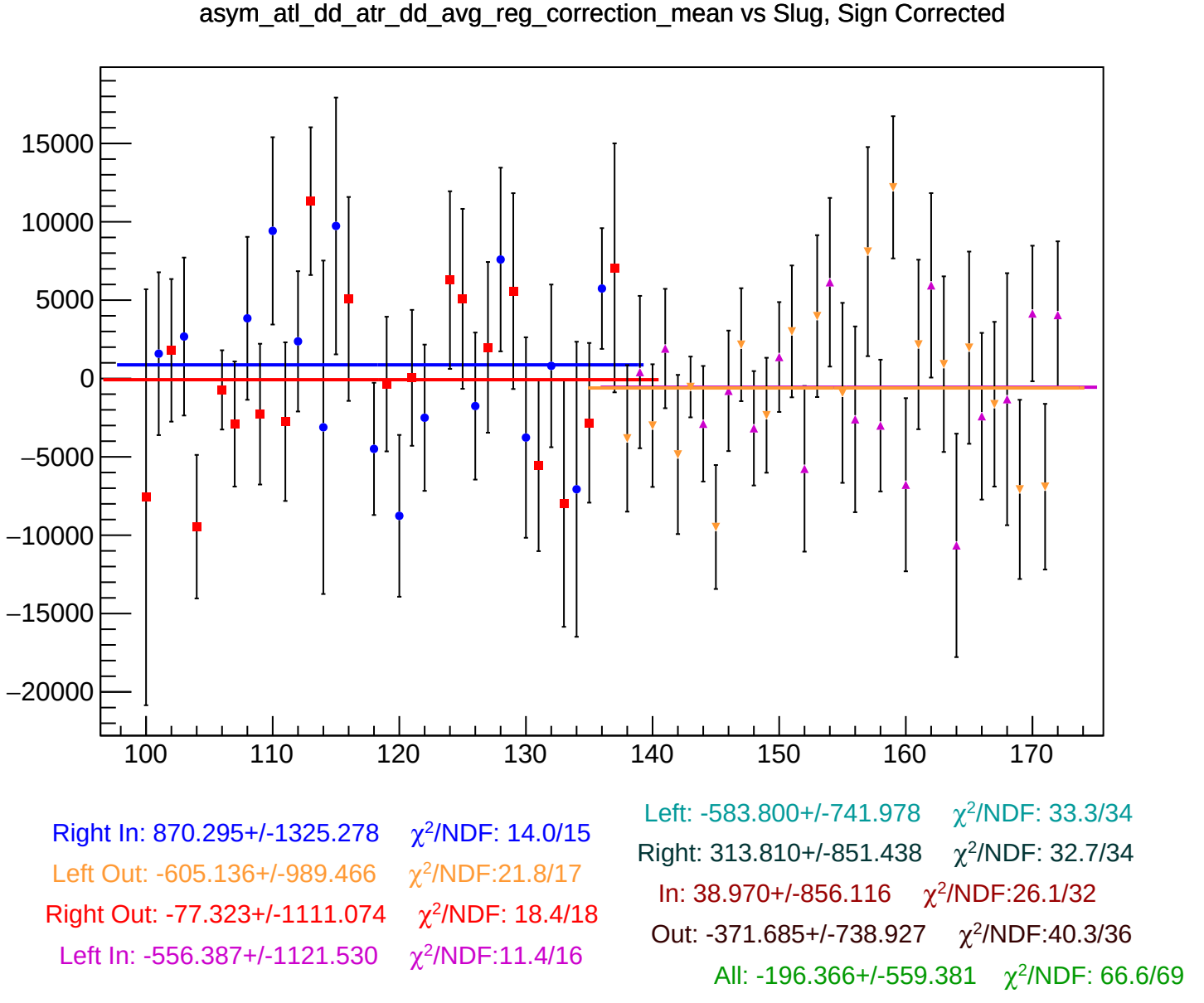
Left: 1281.088+/-0.171 χ^2/NDF: 179420.9/34

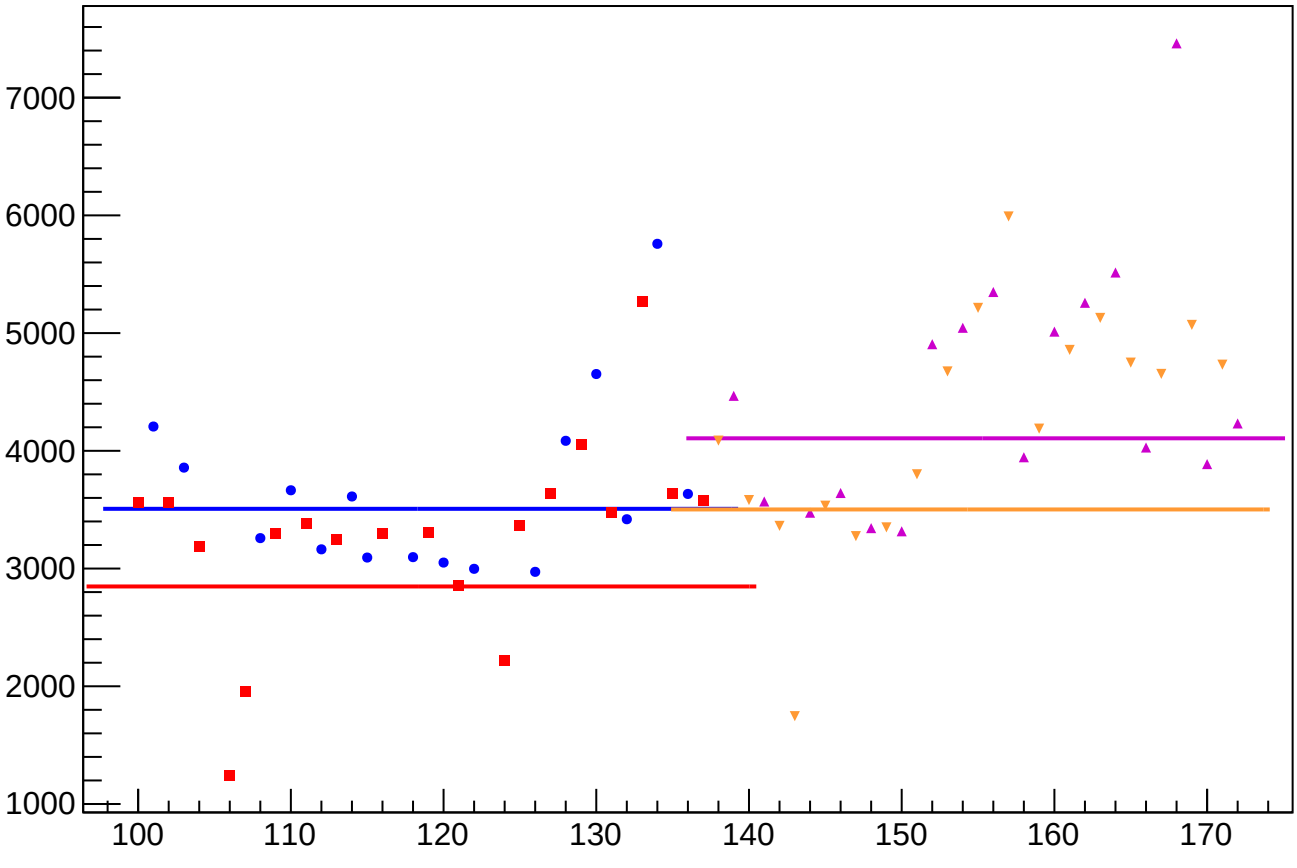
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1278.425+/-0.197 χ^2/NDF:536231.9/32

Out: 1292.337+/-0.198 χ^2/NDF:477024.2/36

All: 1285.358+/-0.140 χ^2/NDF: 1015733.2/69


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: -605.136+/-989.466 χ²/NDF:21.8/17
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -556.387+/-1121.530 χ²/NDF:11.4/16
Left: -583.800+/-741.978 χ²/NDF: 33.3/34
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 38.970+/-856.116 χ²/NDF:26.1/32
Out: -371.685+/-738.927 χ²/NDF:40.3/36
All: -196.366+/-559.381 χ²/NDF: 66.6/69



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3501.994+/-0.700 χ^2/NDF:3030673.0/17

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4106.259+/-0.793 χ^2/NDF:1088548.5/16

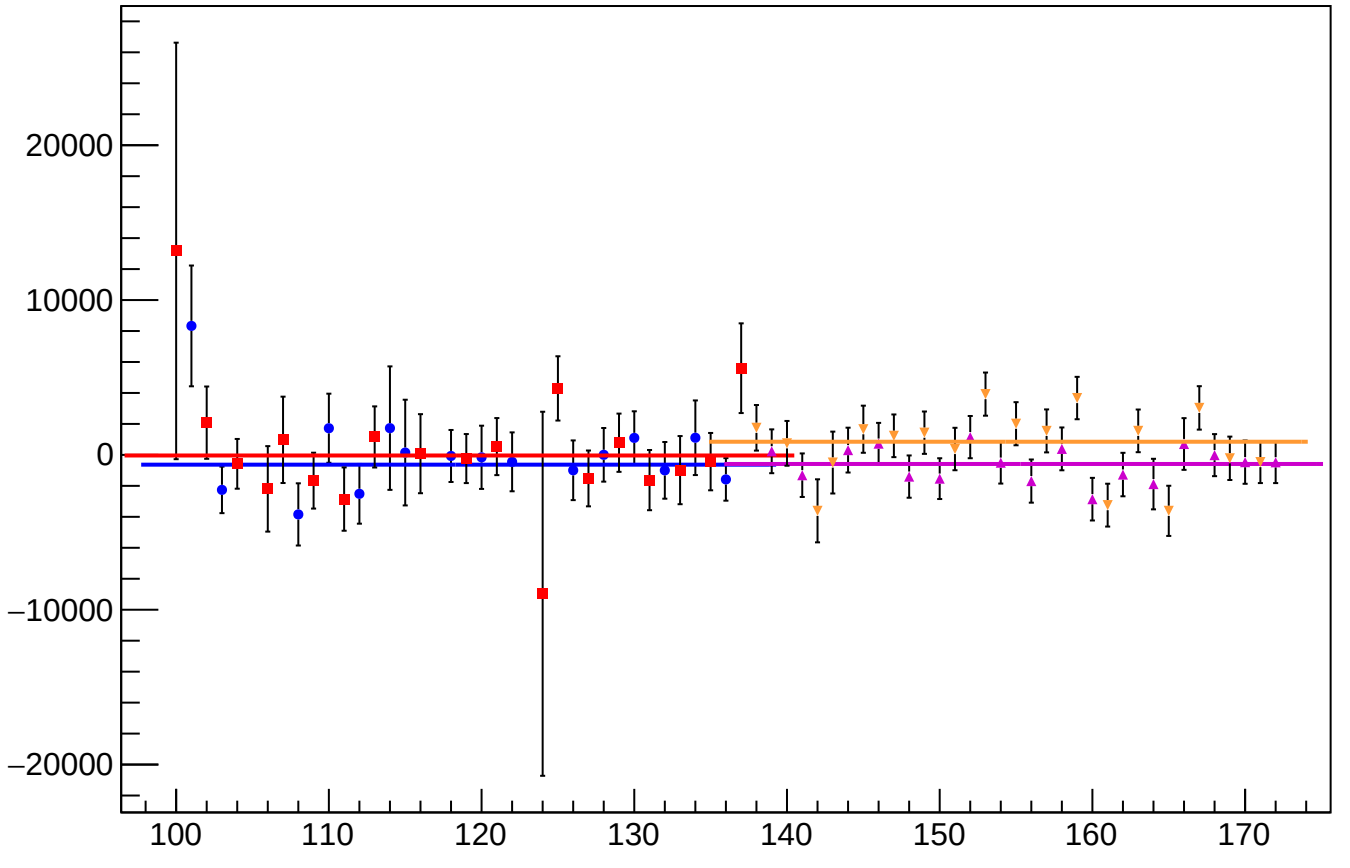
Left: 3766.472+/-0.525 χ^2/NDF: 4445691.7/34

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3856.353+/-0.605 χ^2/NDF:1680492.7/32

Out: 3212.659+/-0.523 χ^2/NDF:4916693.7/36

All: 3487.467+/-0.396 χ^2/NDF: 7245128.5/69



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 849.616+/-342.350 χ^2/NDF:36.9/17

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -586.987+/-339.943 χ^2/NDF:10.0/16

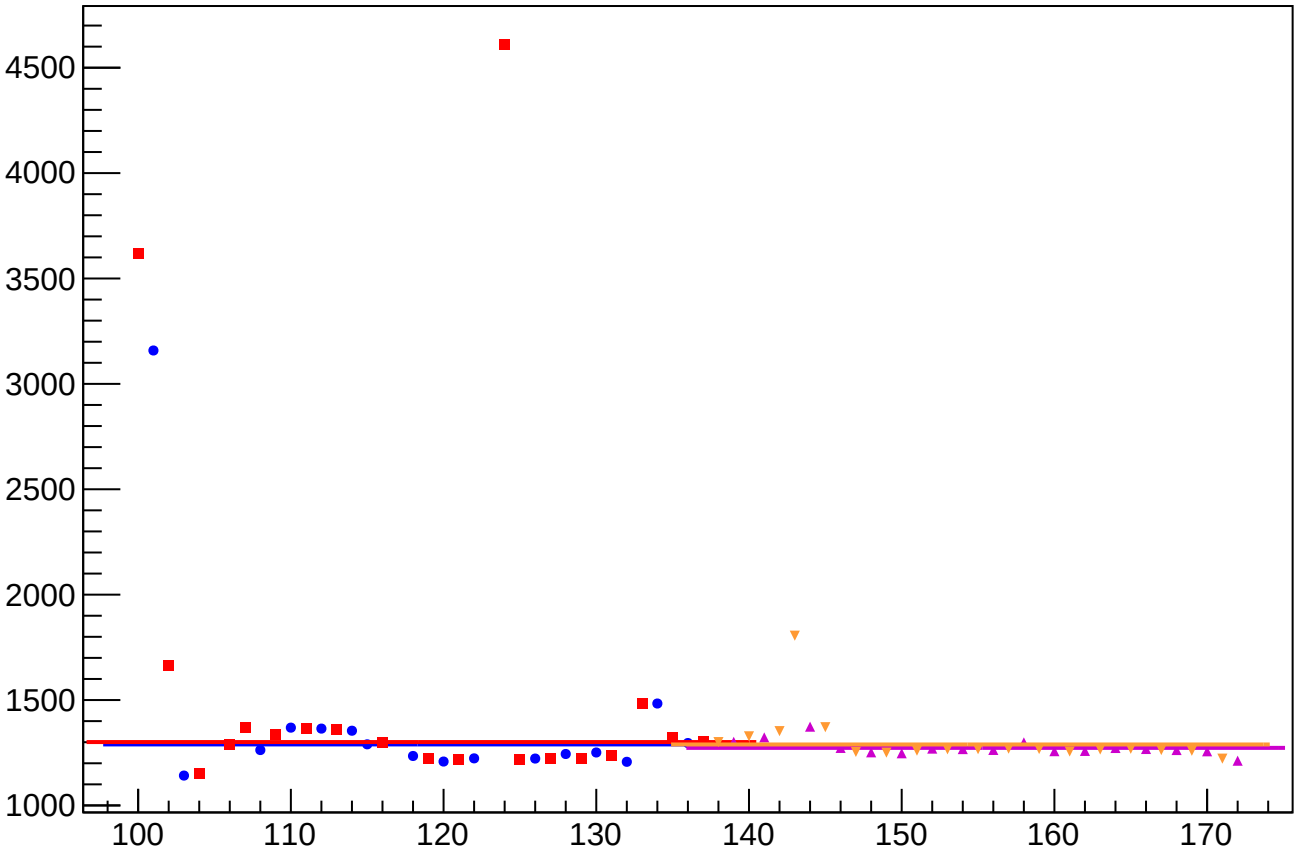
Left: 126.247+/-241.223 χ^2/NDF: 55.7/34

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -601.479+/-279.060 χ^2/NDF:23.8/32

Out: 556.717+/-280.278 χ^2/NDF:55.5/36

All: -24.902+/-197.754 χ^2/NDF: 87.9/69



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1289.208+/-0.242 χ^2/NDF:157144.8/17

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1273.082+/-0.240 χ^2/NDF:20041.8/16

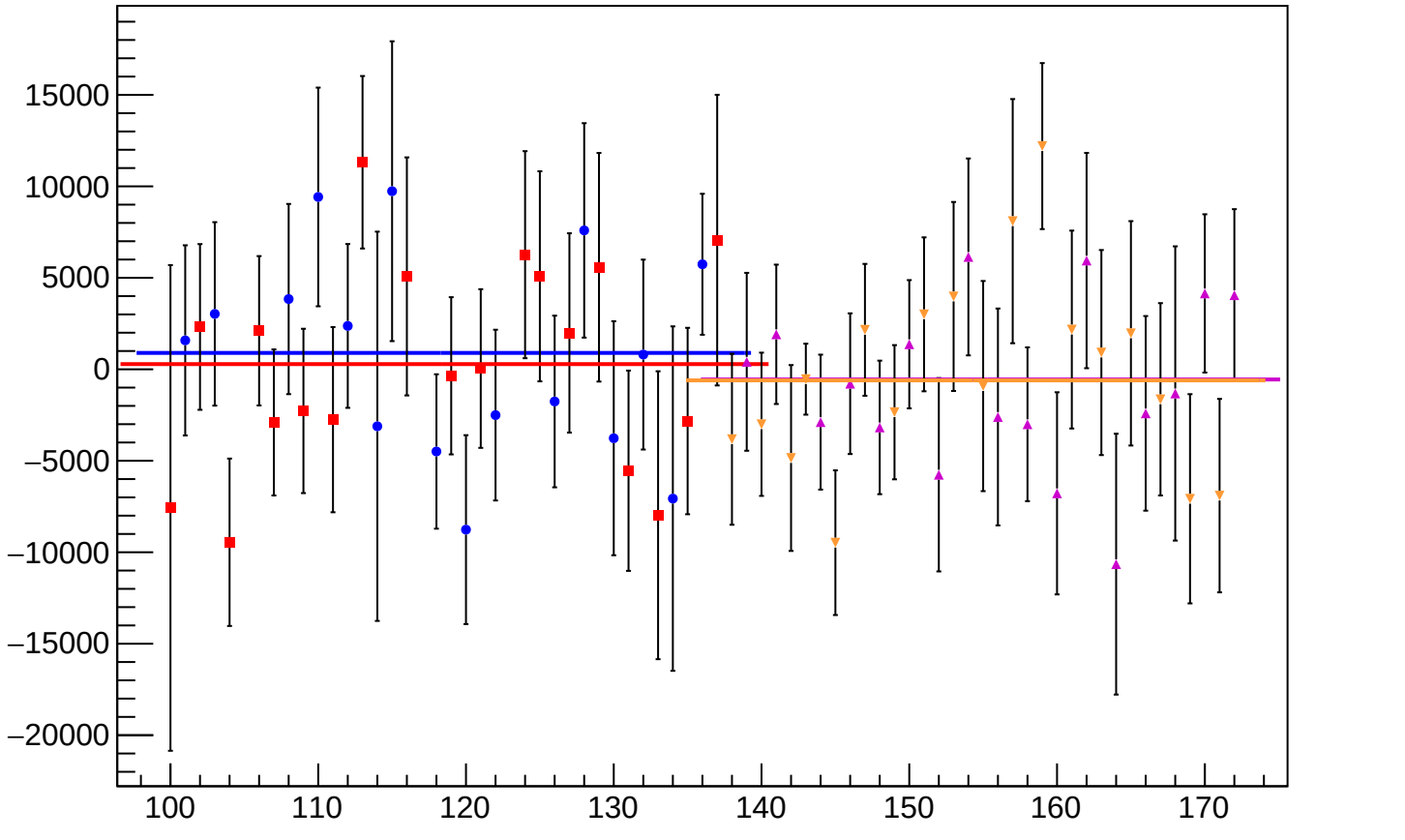
Left: 1281.088+/-0.171 χ^2/NDF: 179420.9/34

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1278.425+/-0.197 χ^2/NDF:536233.3/32

Out: 1293.002+/-0.198 χ^2/NDF:483795.5/36

All: 1285.686+/-0.140 χ^2/NDF: 1022746.9/69



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -605.046+/-989.464 χ^2/NDF:21.8/17

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -556.396+/-1121.529 χ^2/NDF:11.4/16

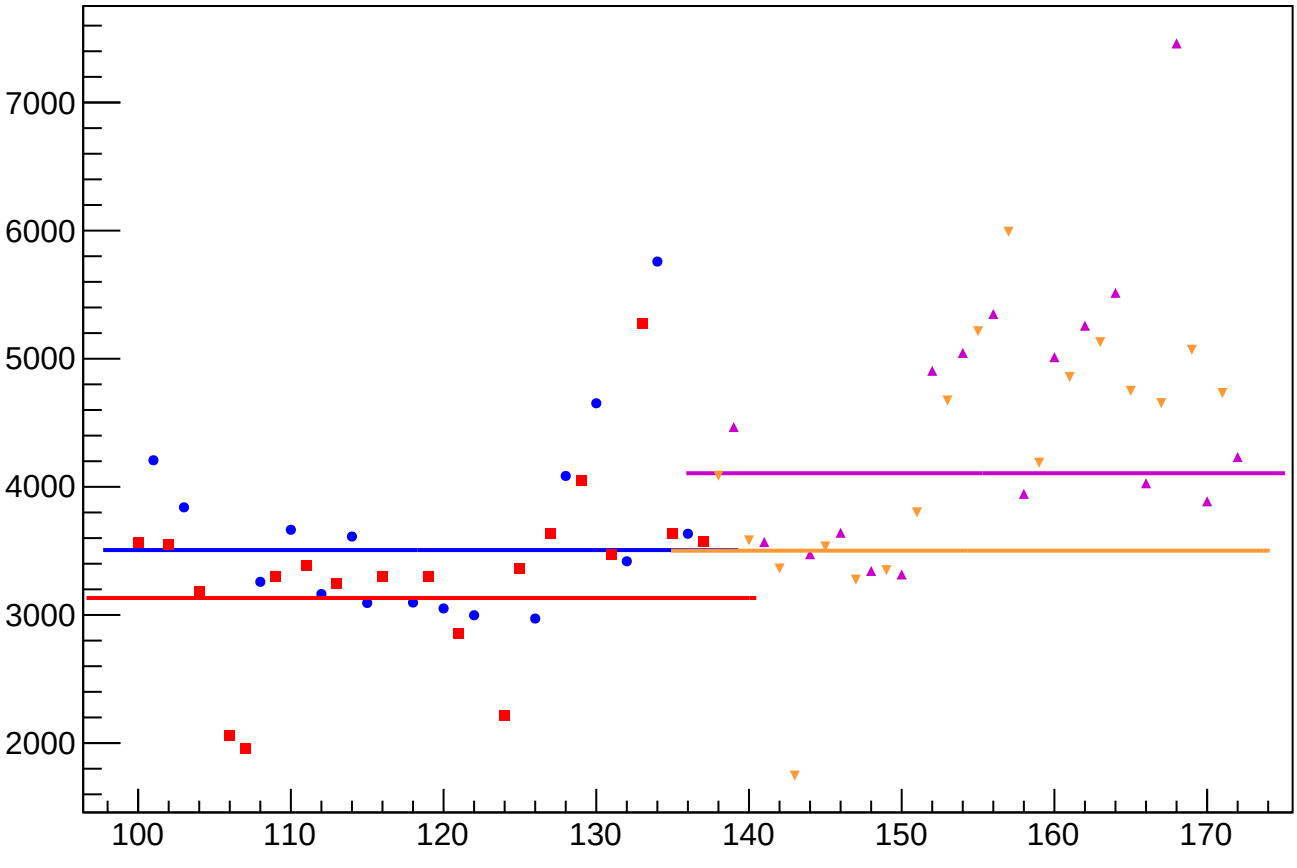
Left: -583.753+/-741.977 χ^2/NDF: 33.3/34

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 49.941+/-855.992 χ^2/NDF:26.2/32

Out: -239.179+/-759.026 χ^2/NDF:40.8/36

All: -111.915+/-567.914 χ^2/NDF: 67.1/69



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3501.985+/-0.700 χ^2/NDF:3030703.1/17

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4106.254+/-0.793 χ^2/NDF:1088550.0/16

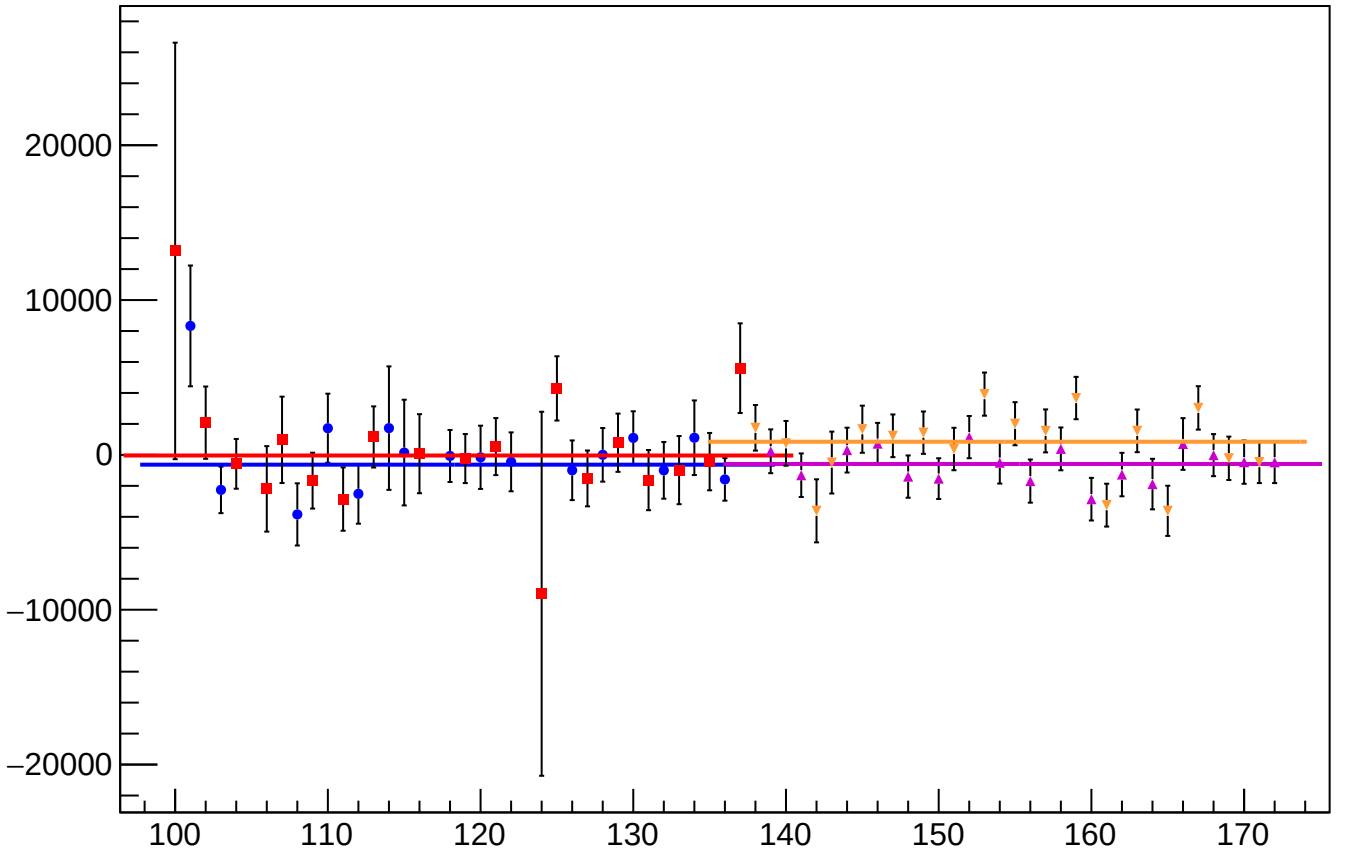
Left: 3766.464+/-0.525 χ^2/NDF: 4445729.4/34

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3855.869+/-0.605 χ^2/NDF:1680570.6/32

Out: 3349.960+/-0.537 χ^2/NDF:3795033.7/36

All: 3572.649+/-0.402 χ^2/NDF: 5866702.8/69



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 849.616+/-342.350 χ^2/NDF:36.9/17

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -586.987+/-339.943 χ^2/NDF:10.0/16

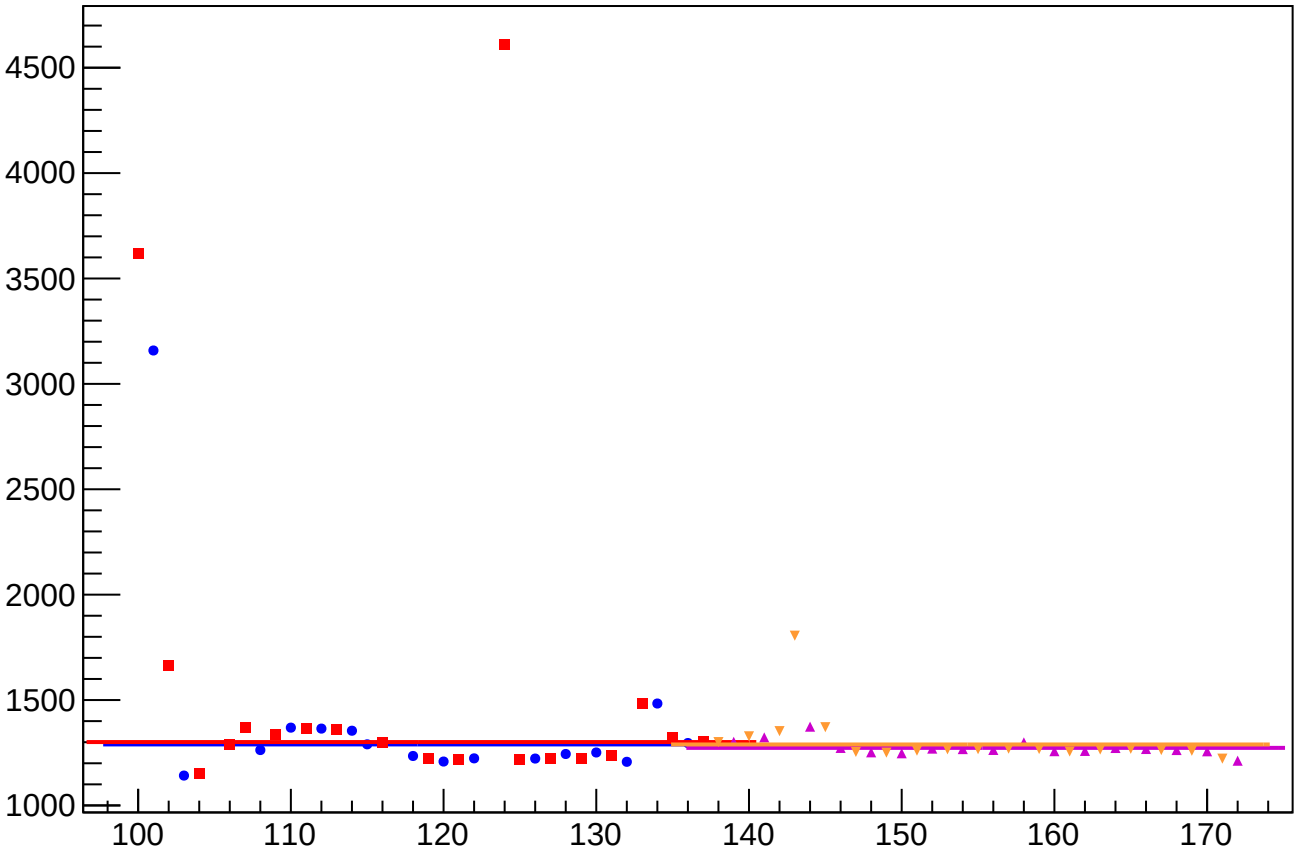
Left: 126.247+/-241.223 χ^2/NDF: 55.7/34

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -601.479+/-279.060 χ^2/NDF:23.8/32

Out: 556.717+/-280.278 χ^2/NDF:55.5/36

All: -24.902+/-197.754 χ^2/NDF: 87.9/69



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1289.208+/-0.242 χ^2/NDF:157144.8/17

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: 1281.088+/-0.171 χ^2/NDF: 179420.9/34

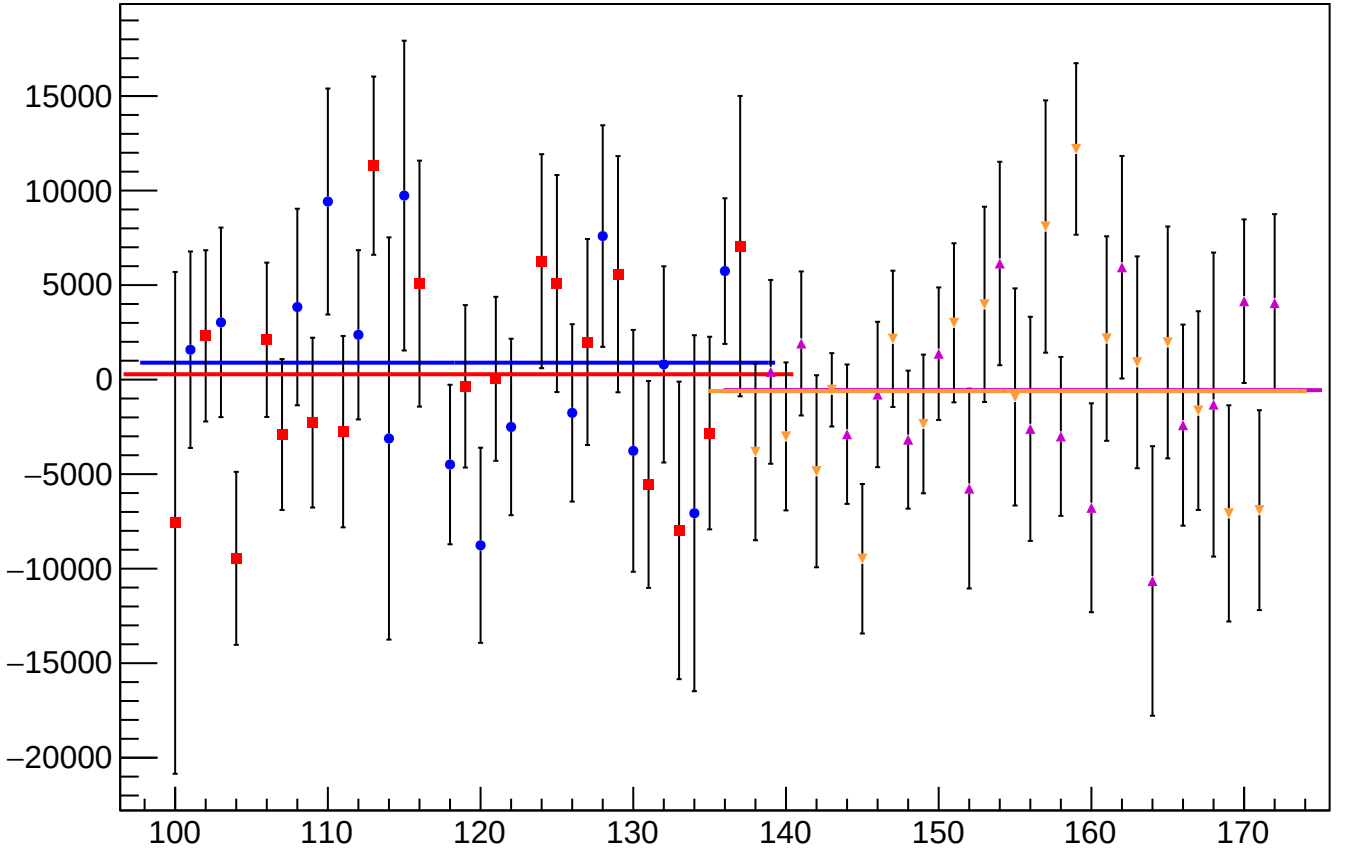
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1278.425+/-0.197 χ^2/NDF:536233.3/32

Out: 1293.002+/-0.198 χ^2/NDF:483795.5/36

All: 1285.686+/-0.140 χ^2/NDF: 1022746.9/69

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: -605.046+/-989.464 χ^2/NDF:21.8/17

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: -583.753+/-741.977 χ^2/NDF: 33.3/34

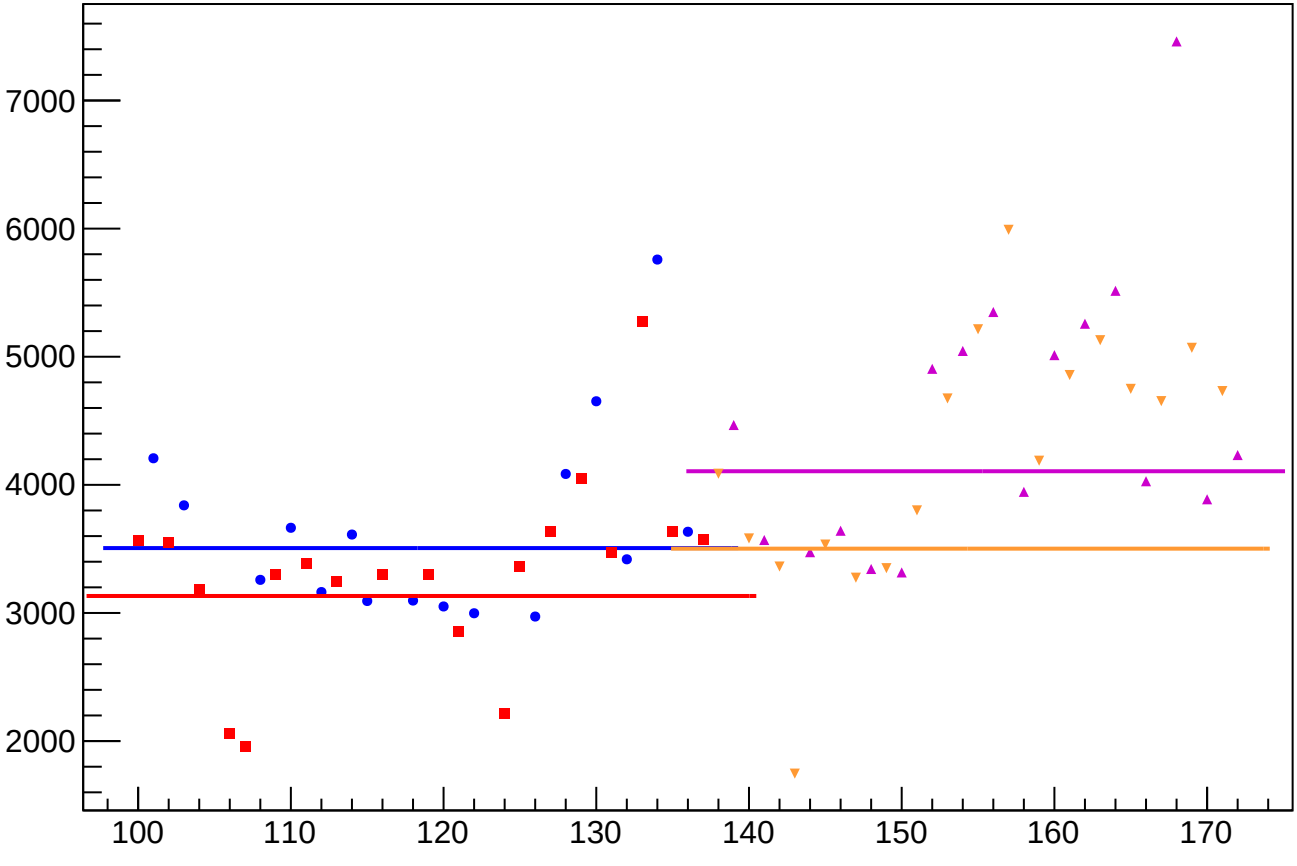
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 49.941+/-855.992 χ^2/NDF:26.2/32

Out: -239.179+/-759.026 χ^2/NDF:40.8/36

All: -111.915+/-567.914 χ^2/NDF: 67.1/69

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3501.985+/-0.700 χ^2/NDF:3030703.1/17

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4106.254+/-0.793 χ^2/NDF:1088550.0/16

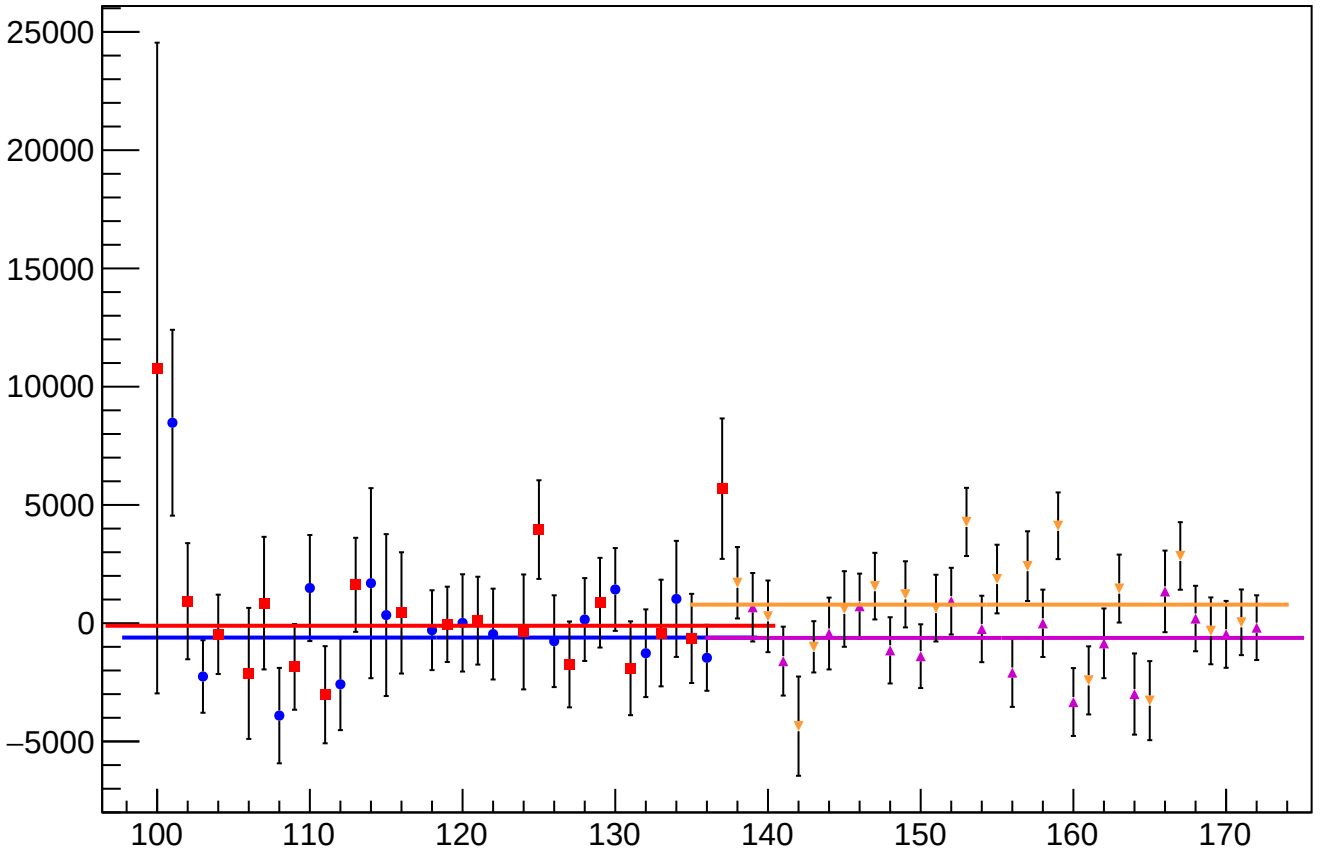
Left: 3766.464+/-0.525 χ^2/NDF: 4445729.4/34

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3855.869+/-0.605 χ^2/NDF:1680570.6/32

Out: 3349.960+/-0.537 χ^2/NDF:3795033.7/36

All: 3572.649+/-0.402 χ^2/NDF: 5866702.8/69



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 784.292+/-340.701 χ^2/NDF:36.9/17

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -623.077+/-350.788 χ^2/NDF:12.5/16

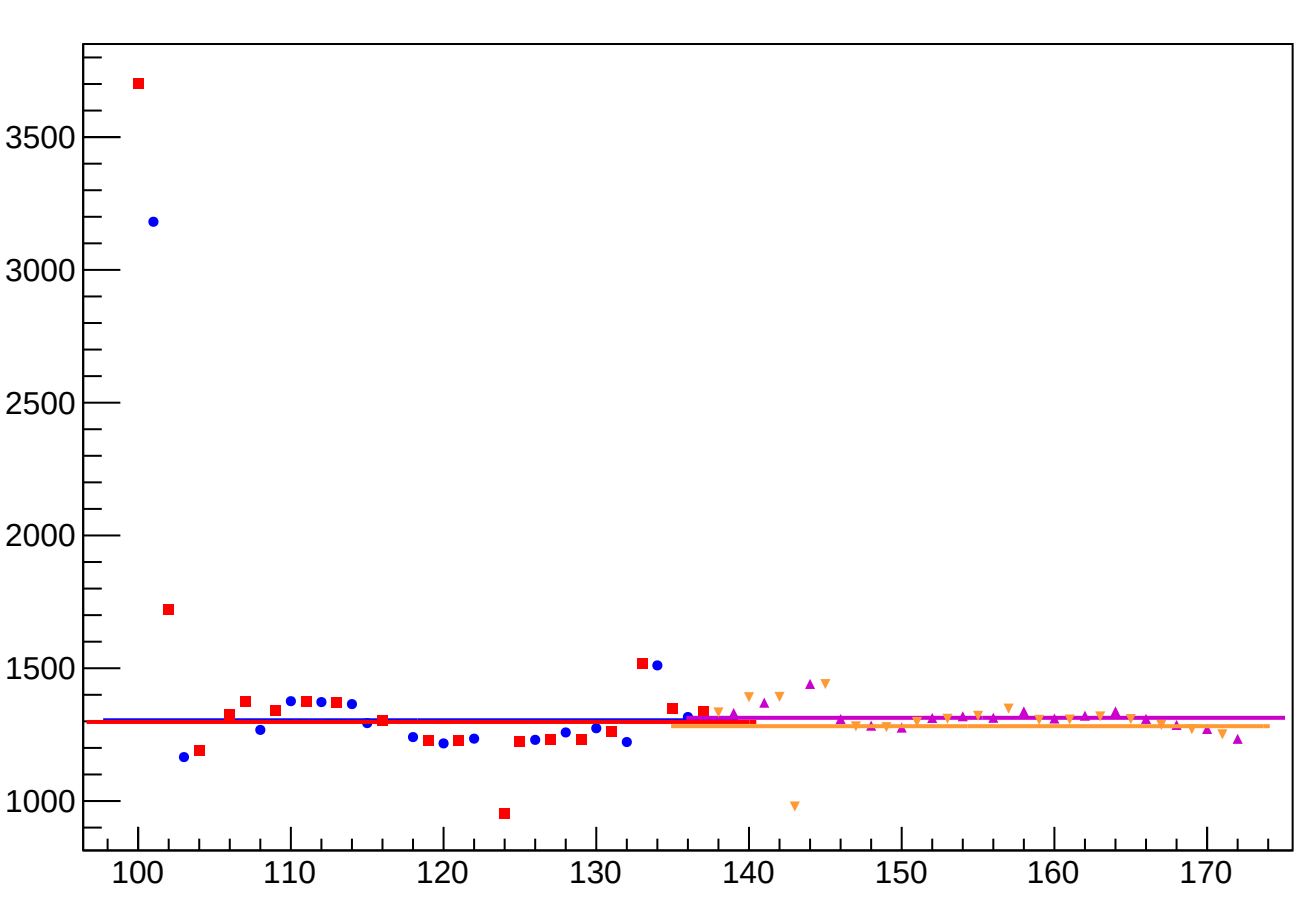
Left: 101.133+/-244.400 χ^2/NDF: 57.6/34

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -617.969+/-286.049 χ^2/NDF:26.6/32

Out: 489.708+/-278.893 χ^2/NDF:54.1/36

All: -50.103+/-199.689 χ^2/NDF: 88.3/69



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1281.781+/-0.241 χ^2/NDF:204276.8/17

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1313.353+/-0.248 χ^2/NDF:30163.2/16

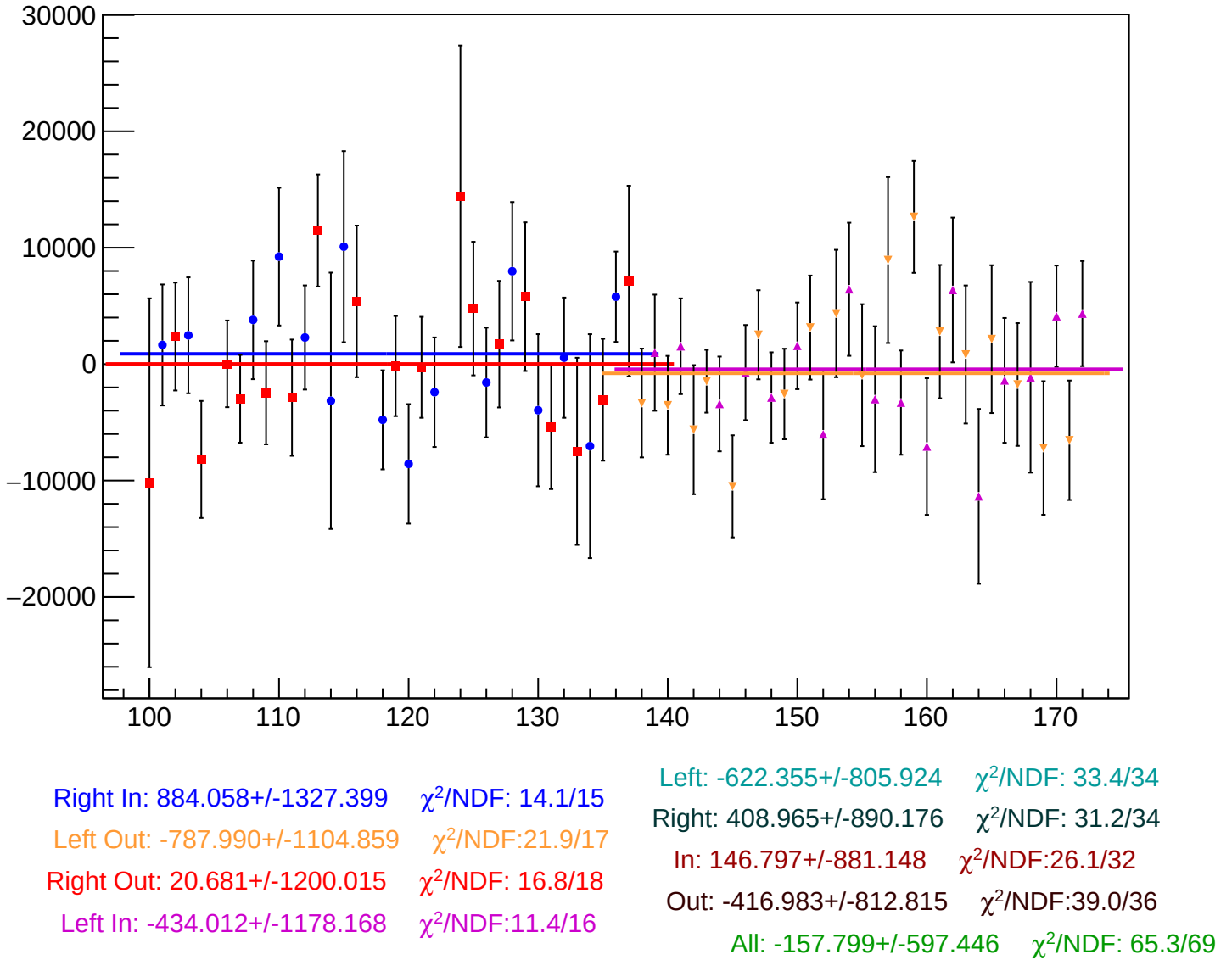
Left: 1297.107+/-0.173 χ^2/NDF: 242776.4/34

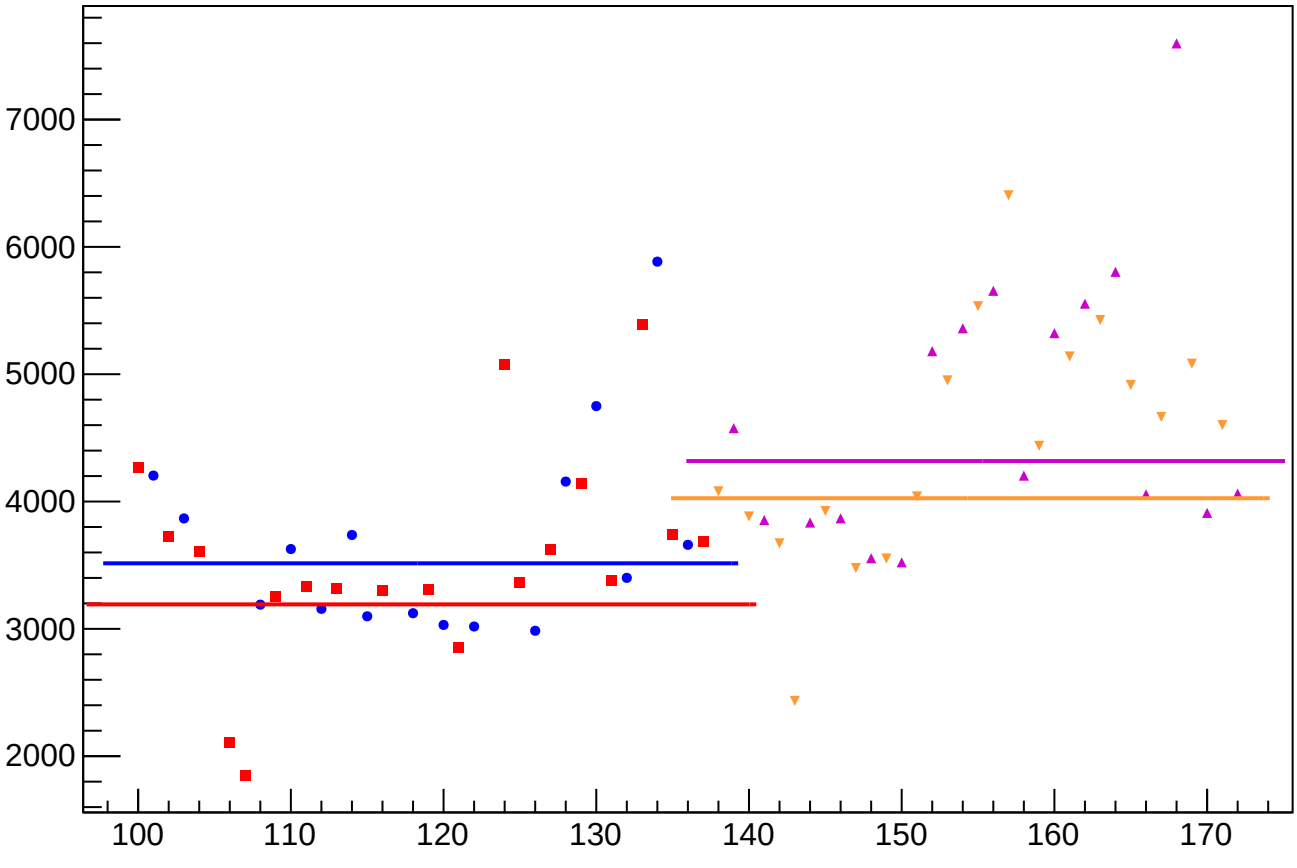
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1310.253+/-0.202 χ^2/NDF:541218.6/32

Out: 1287.070+/-0.197 χ^2/NDF:418833.0/36

All: 1298.365+/-0.141 χ^2/NDF: 966788.1/69


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: -787.990+/-1104.859 χ²/NDF:21.9/17
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -434.012+/-1178.168 χ²/NDF:11.4/16
Left: -622.355+/-805.924 χ²/NDF: 33.4/34
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: 146.797+/-881.148 χ²/NDF:26.1/32
Out: -416.983+/-812.815 χ²/NDF:39.0/36
All: -157.799+/-597.446 χ²/NDF: 65.3/69



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4025.912+/-0.781 χ^2/NDF:1545161.3/17

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4318.026+/-0.833 χ^2/NDF:1024028.2/16

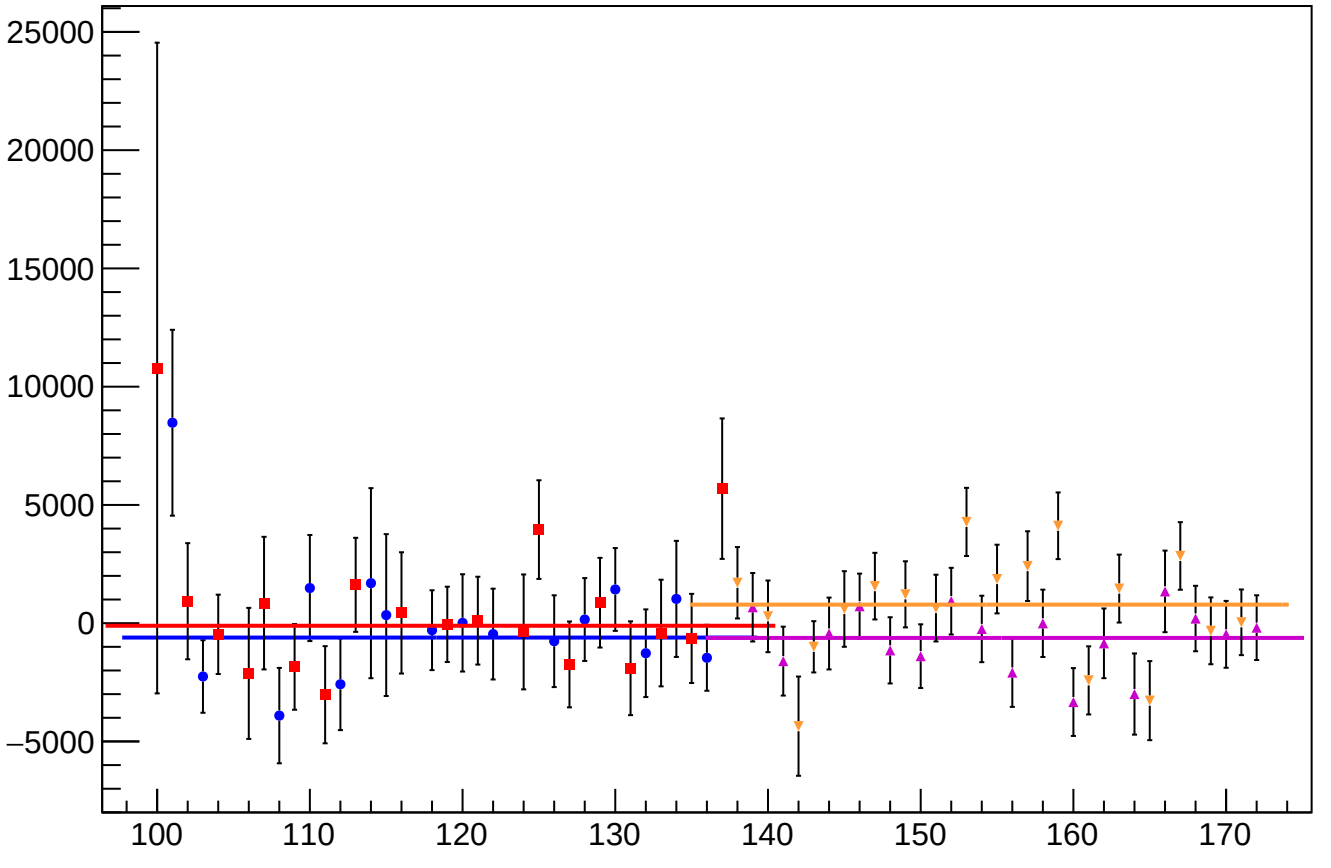
Left: 4162.599+/-0.570 χ^2/NDF: 2634607.0/34

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3964.060+/-0.623 χ^2/NDF:1808786.4/32

Out: 3643.419+/-0.575 χ^2/NDF:2840119.1/36

All: 3790.826+/-0.422 χ^2/NDF: 4791987.5/69



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 784.295+/-340.701 χ^2/NDF:36.9/17

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -623.078+/-350.788 χ^2/NDF:12.5/16

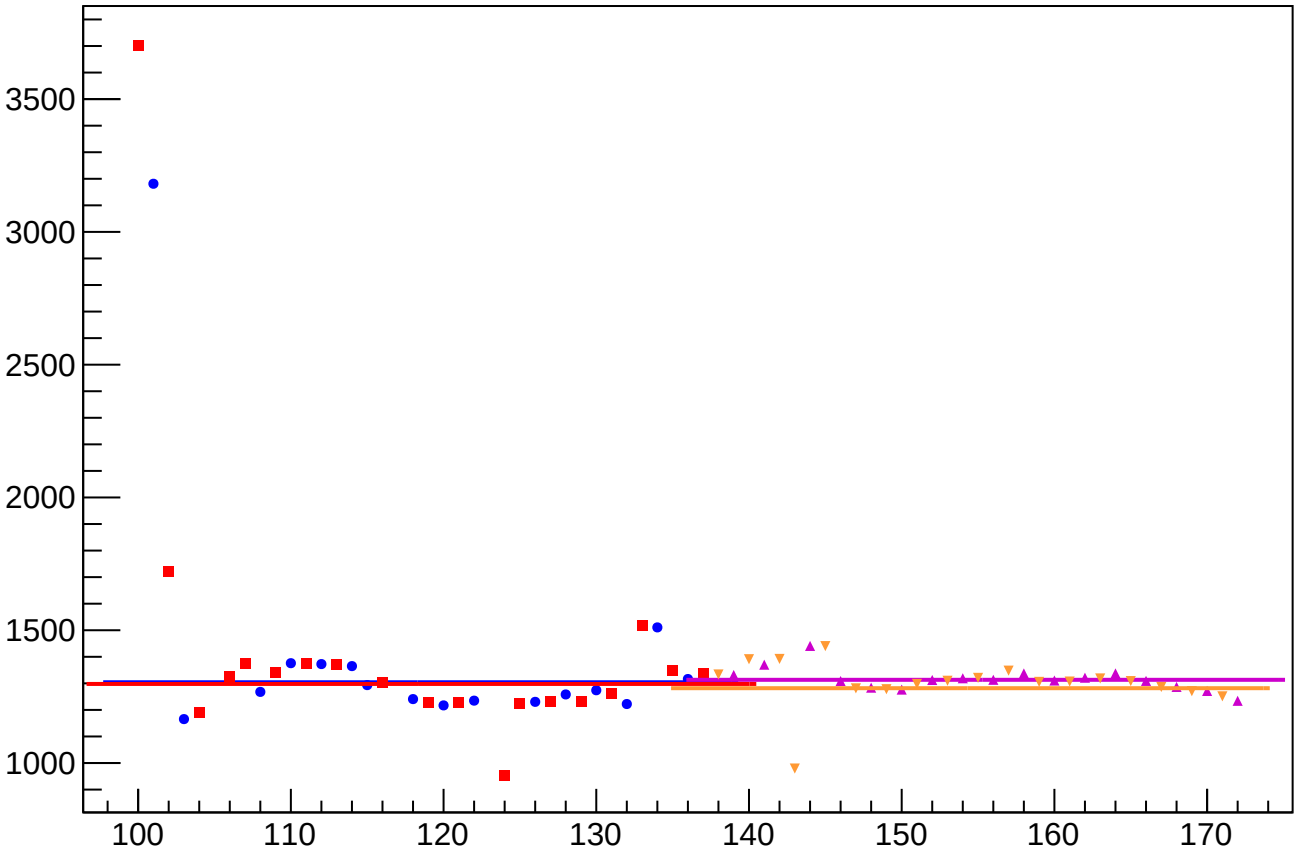
Left: 101.134+/-244.400 χ^2/NDF: 57.6/34

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -617.970+/-286.049 χ^2/NDF:26.6/32

Out: 489.708+/-278.893 χ^2/NDF:54.1/36

All: -50.104+/-199.689 χ^2/NDF: 88.3/69



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1281.782+/-0.241 χ^2/NDF:204277.7/17

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1313.354+/-0.248 χ^2/NDF:30163.9/16

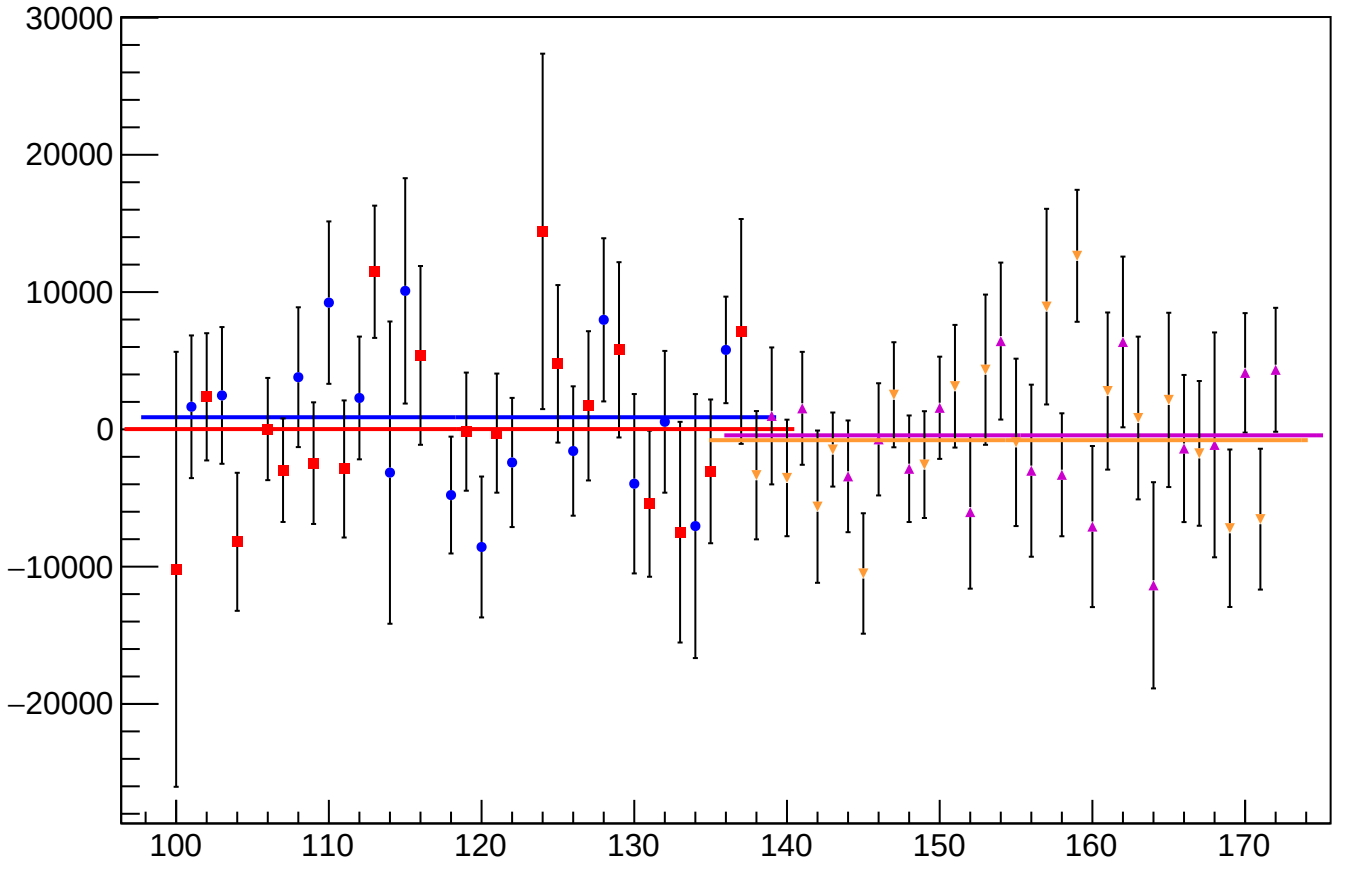
Left: 1297.108+/-0.173 χ^2/NDF: 242778.1/34

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1310.254+/-0.202 χ^2/NDF:541219.6/32

Out: 1287.071+/-0.197 χ^2/NDF:418833.8/36

All: 1298.366+/-0.141 χ^2/NDF: 966789.9/69



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -787.988+/-1104.861 χ^2/NDF:21.9/17

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -434.011+/-1178.170 χ^2/NDF:11.4/16

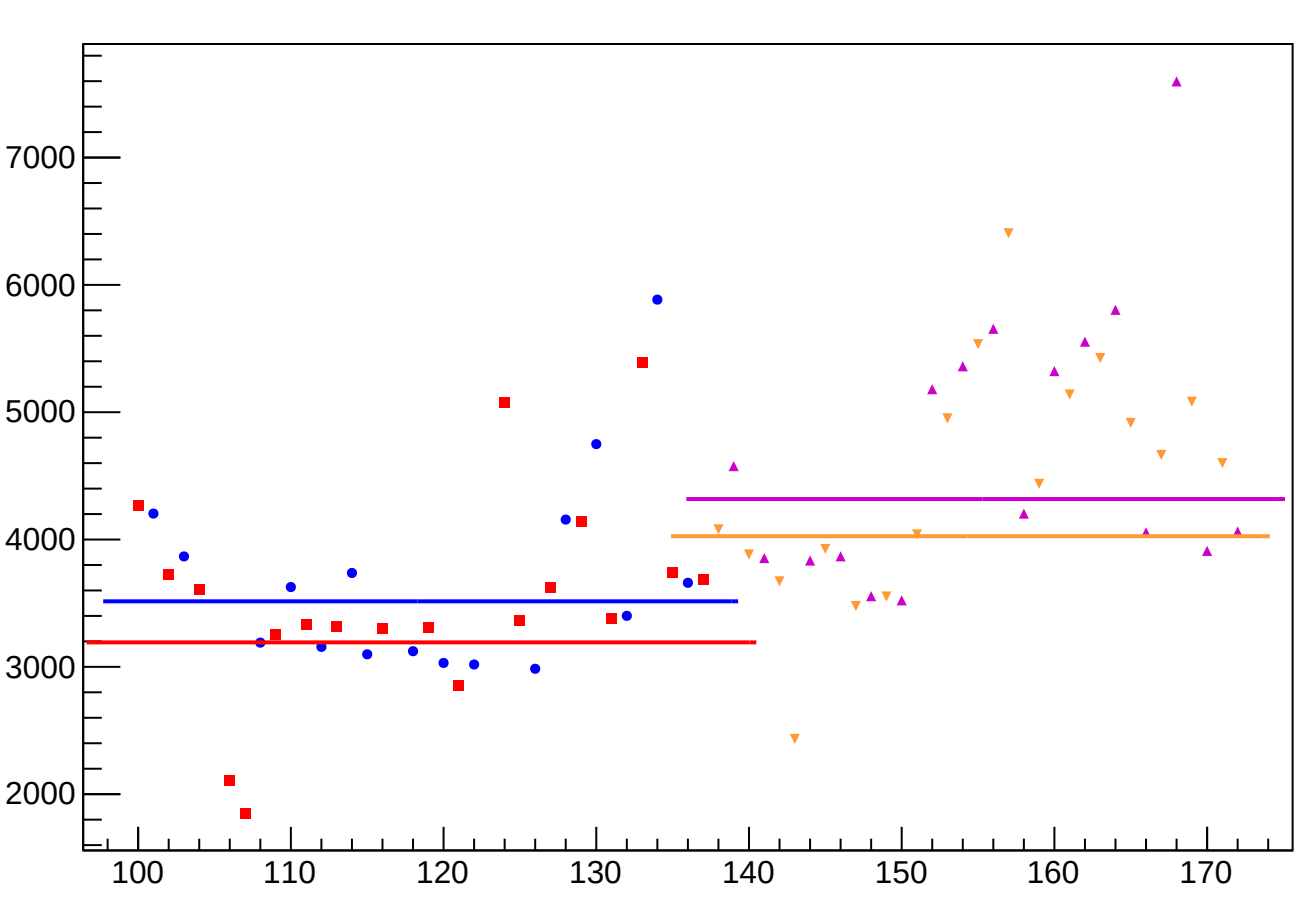
Left: -622.354+/-805.926 χ^2/NDF: 33.4/34

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 146.795+/-881.148 χ^2/NDF:26.1/32

Out: -416.982+/-812.814 χ^2/NDF:39.0/36

All: -157.799+/-597.446 χ^2/NDF: 65.3/69



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4025.918+/-0.781 χ^2/NDF:1545162.6/17

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4318.032+/-0.833 χ^2/NDF:1024030.4/16

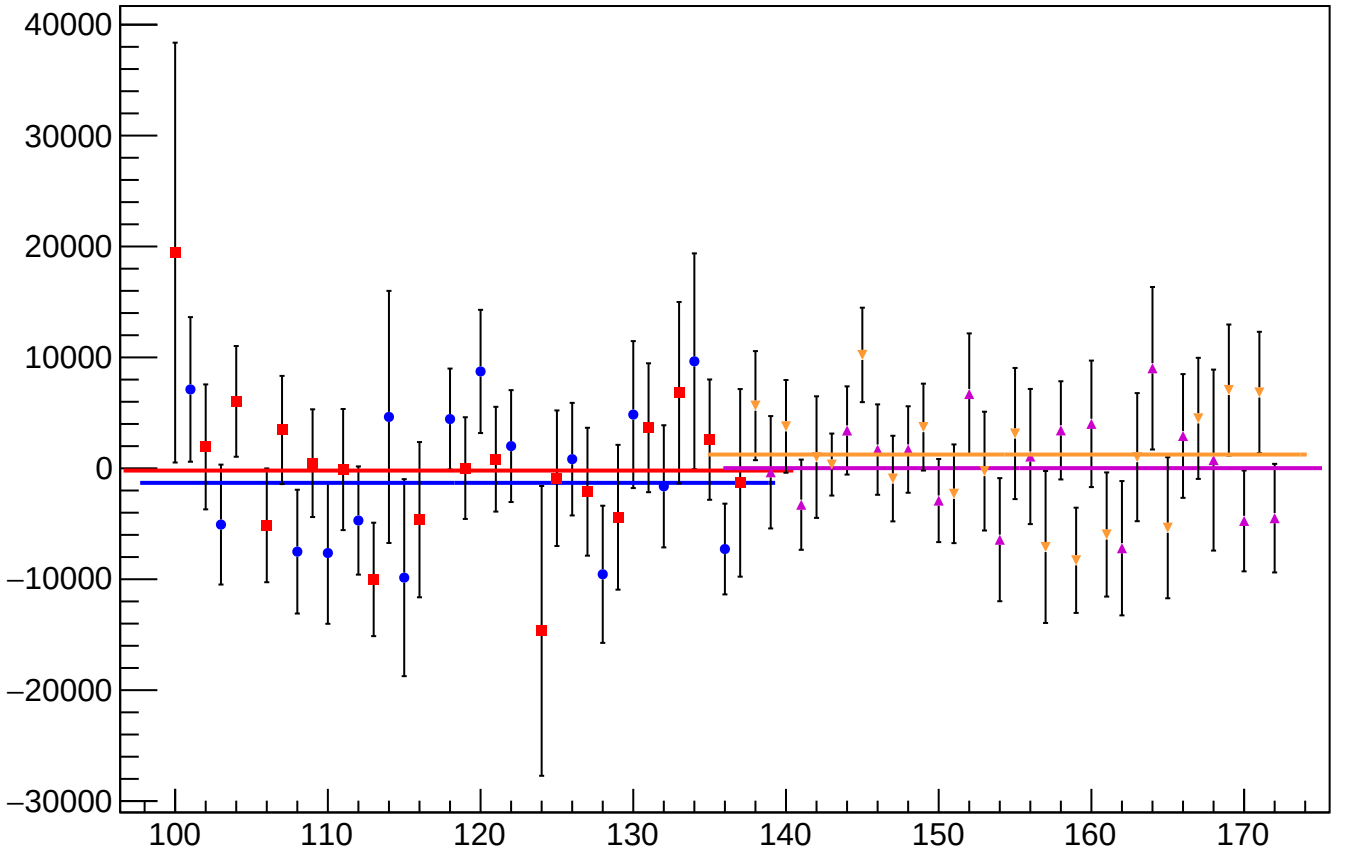
Left: 4162.605+/-0.570 χ^2/NDF: 2634610.4/34

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3964.058+/-0.623 χ^2/NDF:1808808.8/32

Out: 3643.417+/-0.575 χ^2/NDF:2840140.4/36

All: 3790.824+/-0.422 χ^2/NDF: 4792031.2/69



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1243.815+/-1111.506 χ^2/NDF:17.9/17

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 16.762+/-1180.340 χ^2/NDF:11.5/16

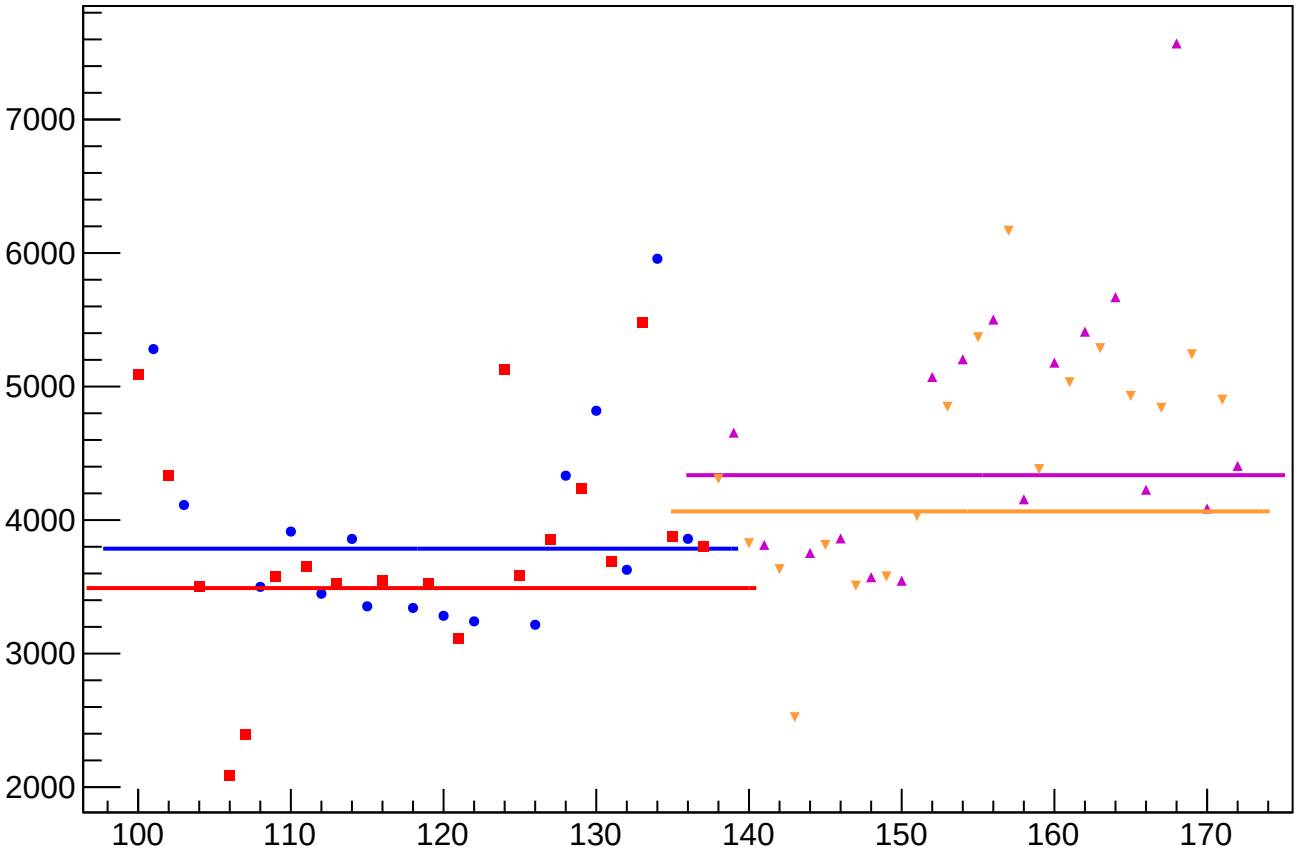
Left: 667.109+/-809.194 χ^2/NDF: 29.9/34

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -519.885+/-910.717 χ^2/NDF:29.6/32

Out: 652.615+/-854.473 χ^2/NDF:30.2/36

All: 103.686+/-623.139 χ^2/NDF: 60.7/69



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4065.155+/-0.786 χ^2/NDF:1402446.4/17

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4336.304+/-0.835 χ^2/NDF:932690.4/16

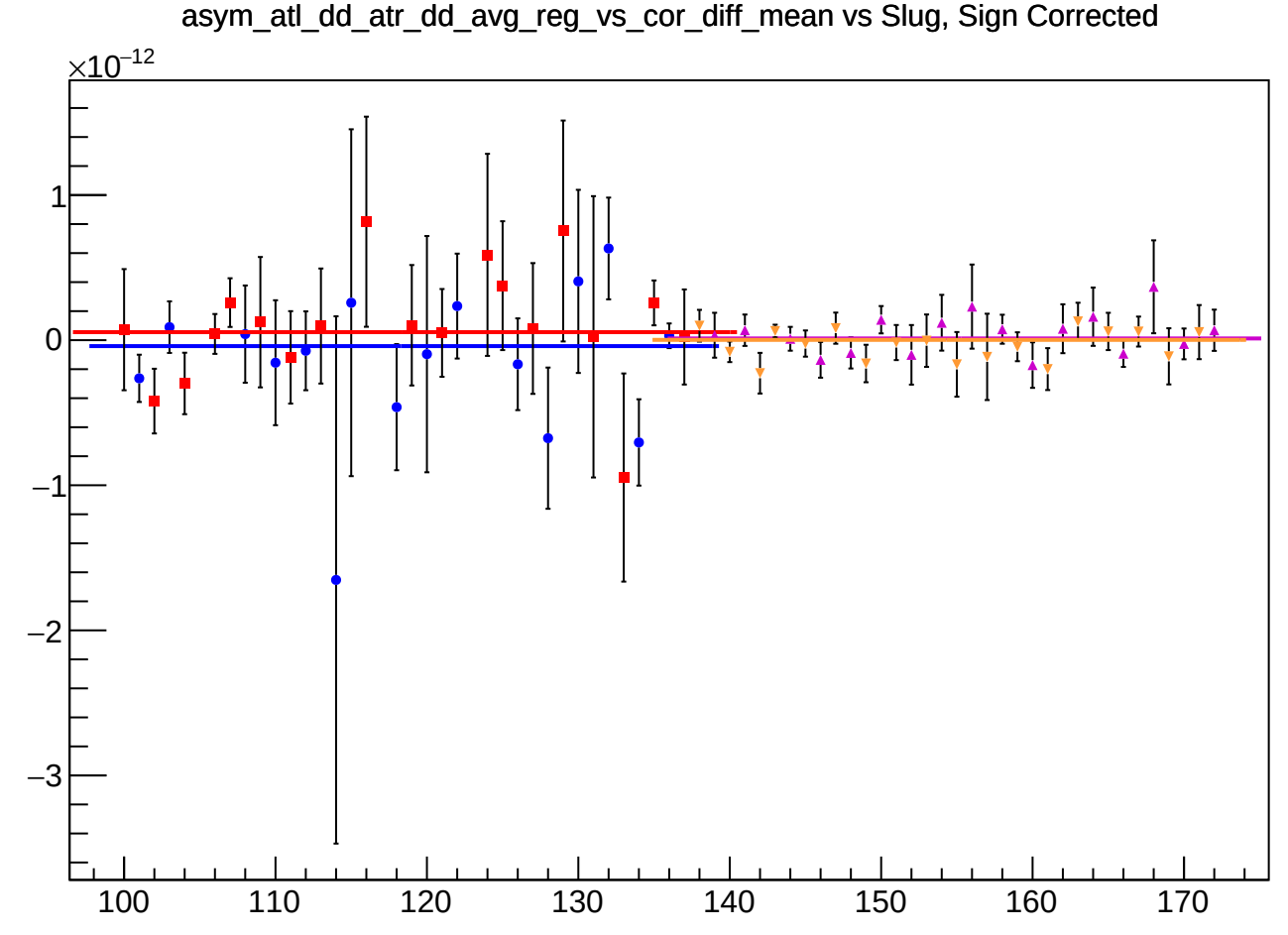
Left: 4192.593+/-0.572 χ^2/NDF: 2391075.8/34

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4113.515+/-0.644 χ^2/NDF:1491756.0/32

Out: 3826.335+/-0.601 χ^2/NDF:2211287.7/36

All: 3959.975+/-0.439 χ^2/NDF: 3809370.1/69



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/17

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: 24.8/34

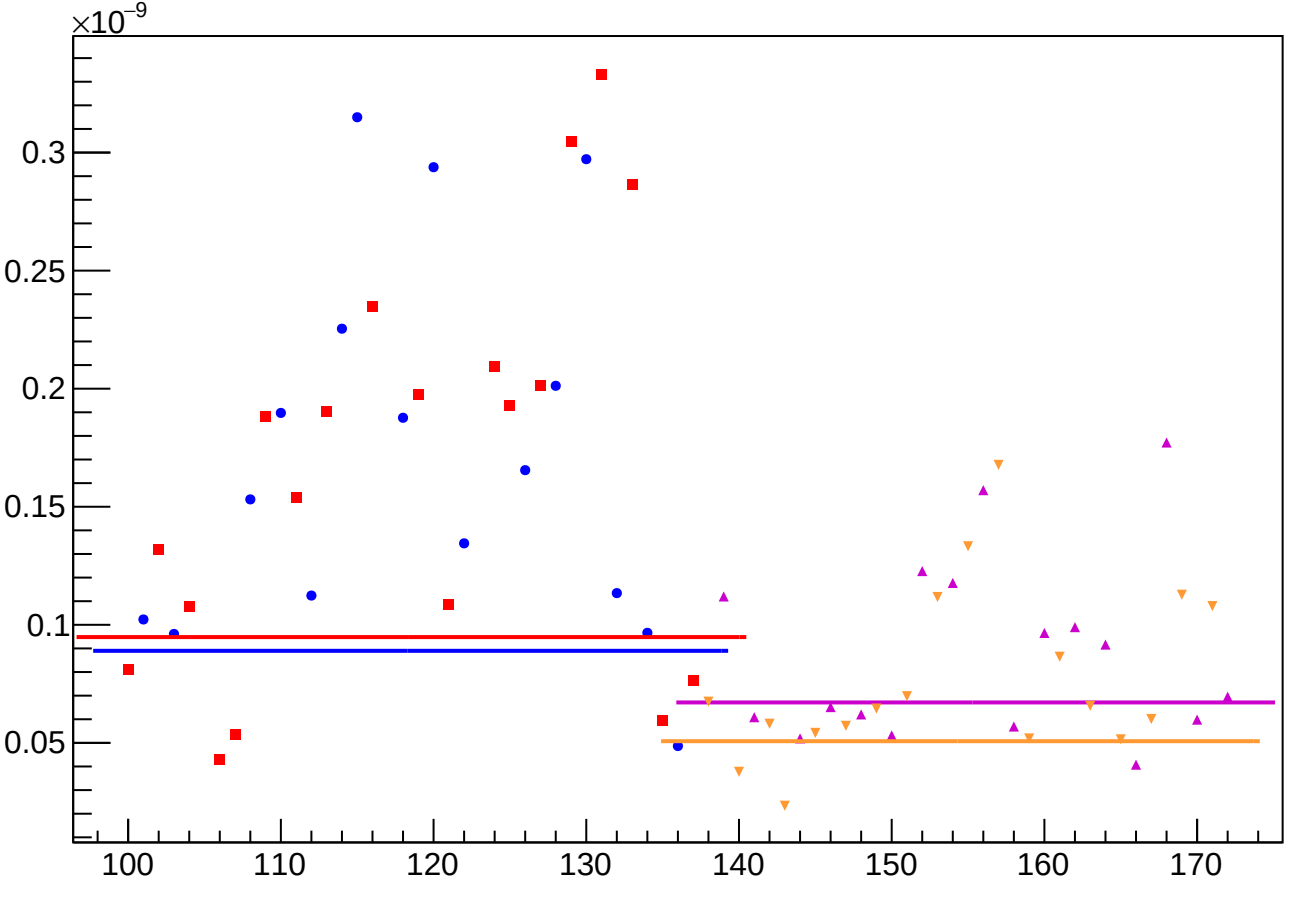
Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:28.2/32

Out: 0.000+/-0.000 χ^2/NDF:30.3/36

All: 0.000+/-0.000 χ^2/NDF: 58.6/69

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2349026.0/17

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: 4075850.0/34

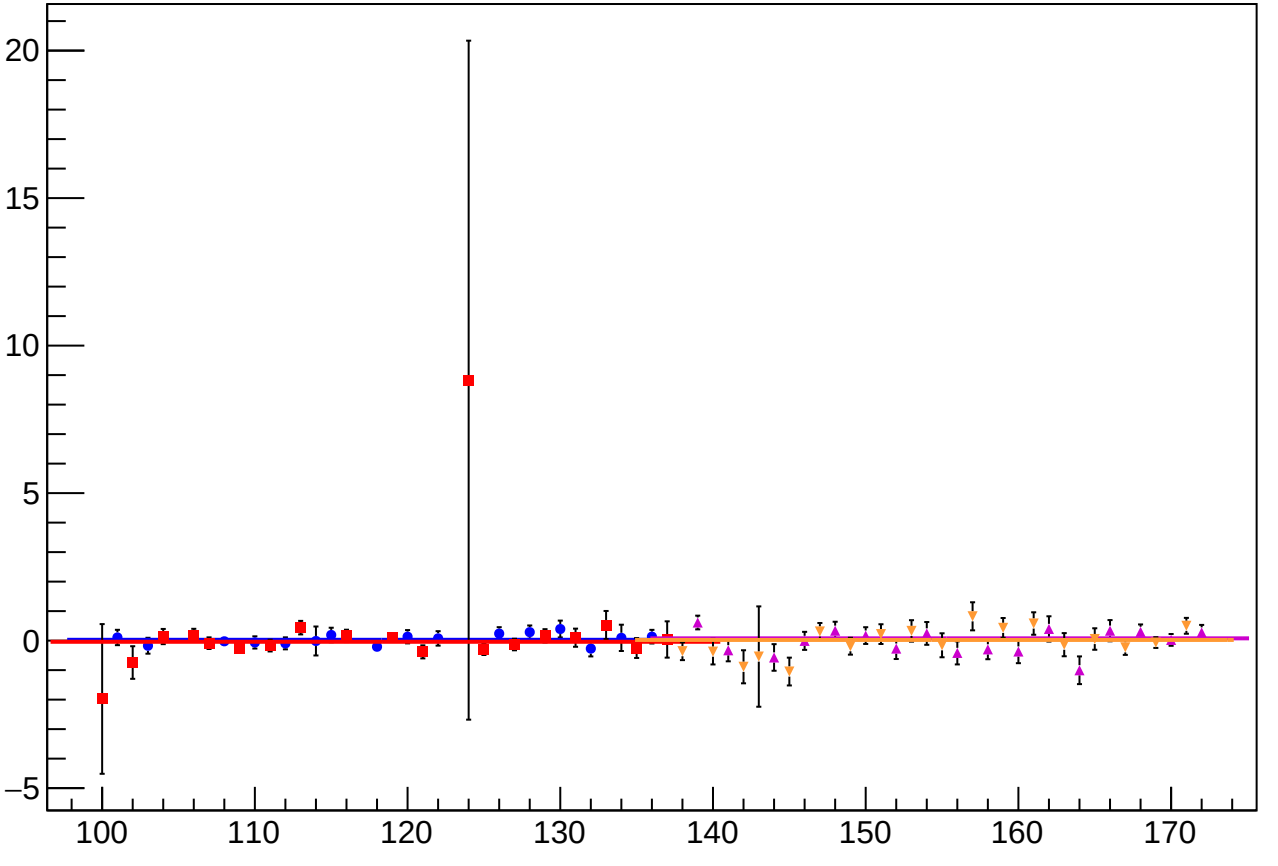
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3052520.8/32

Out: 0.000+/-0.000 χ^2/NDF:4912872.7/36

All: 0.000+/-0.000 χ^2/NDF: 8342582.9/69

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.023+/-0.078 χ^2/NDF:24.2/17

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.077+/-0.076 χ^2/NDF:22.6/16

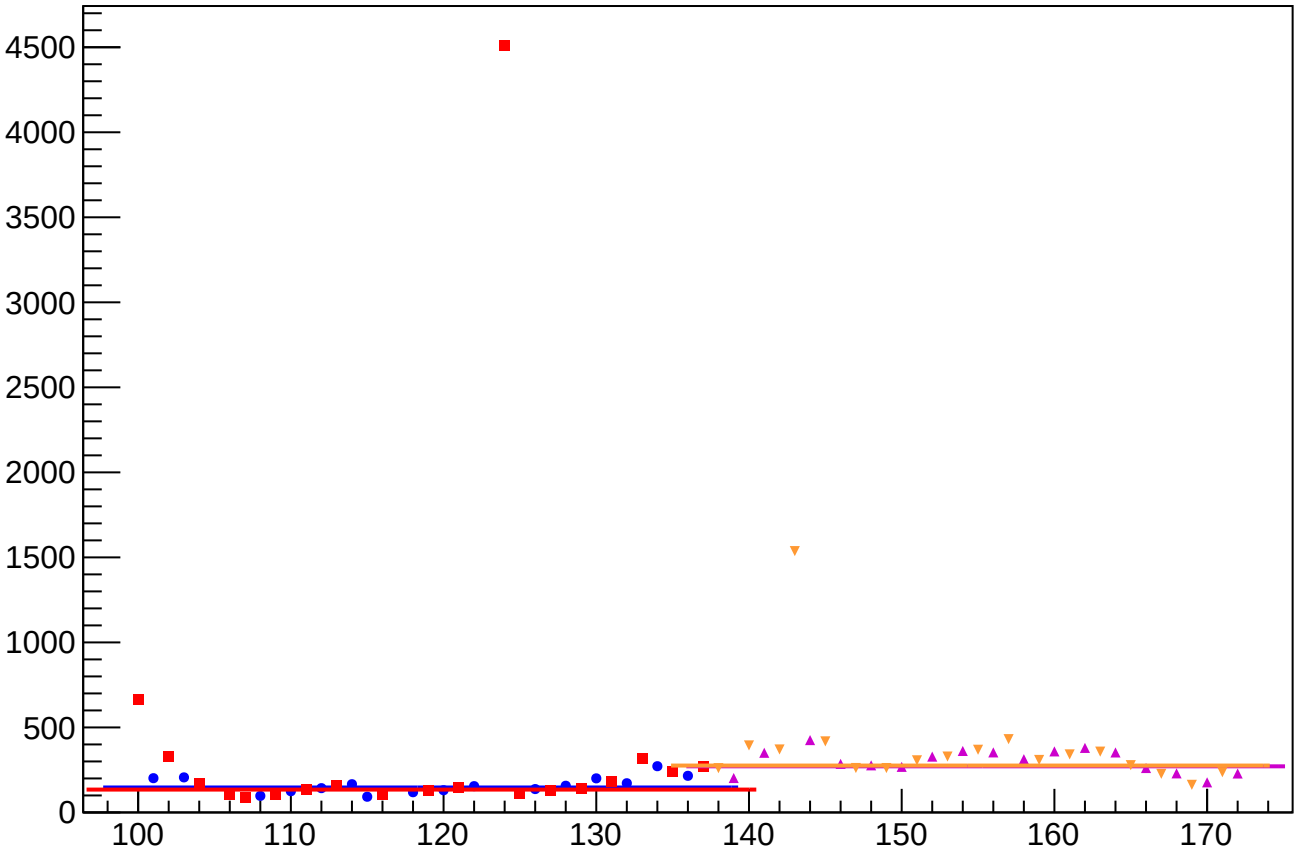
Left: 0.051+/-0.054 χ^2/NDF: 47.0/34

Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.046+/-0.046 χ^2/NDF:32.3/32

Out: -0.019+/-0.045 χ^2/NDF:44.6/36

All: 0.013+/-0.032 χ^2/NDF: 77.9/69



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 275.807+/-0.055 χ^2/NDF:2935721.4/17

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: 273.465+/-0.038 χ^2/NDF: 4566554.1/34

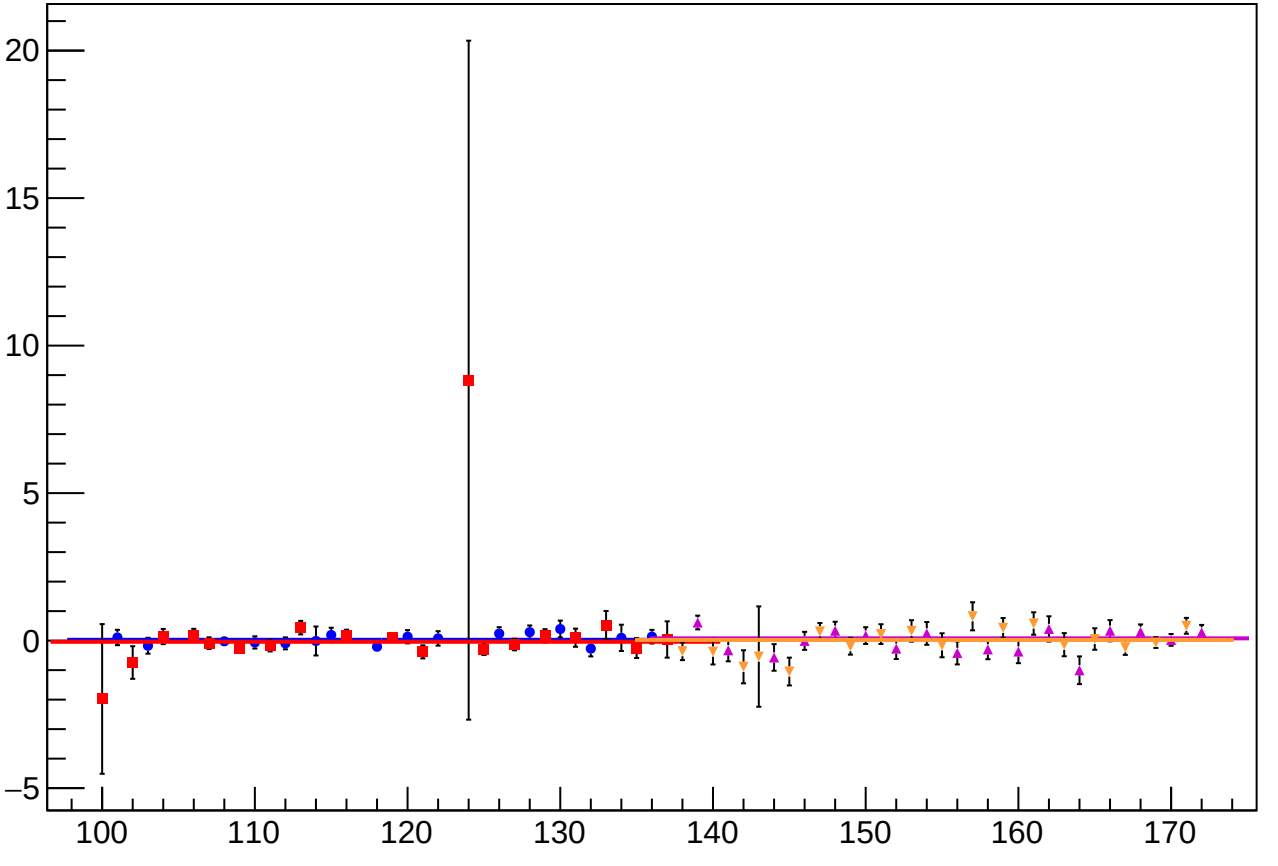
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 192.656+/-0.032 χ^2/NDF:6051336.4/32

Out: 181.238+/-0.032 χ^2/NDF:8943415.2/36

All: 186.815+/-0.023 χ^2/NDF: 15058163.4/69

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: 0.023+/-0.078 χ^2/NDF:24.2/17

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: 0.051+/-0.054 χ^2/NDF: 47.0/34

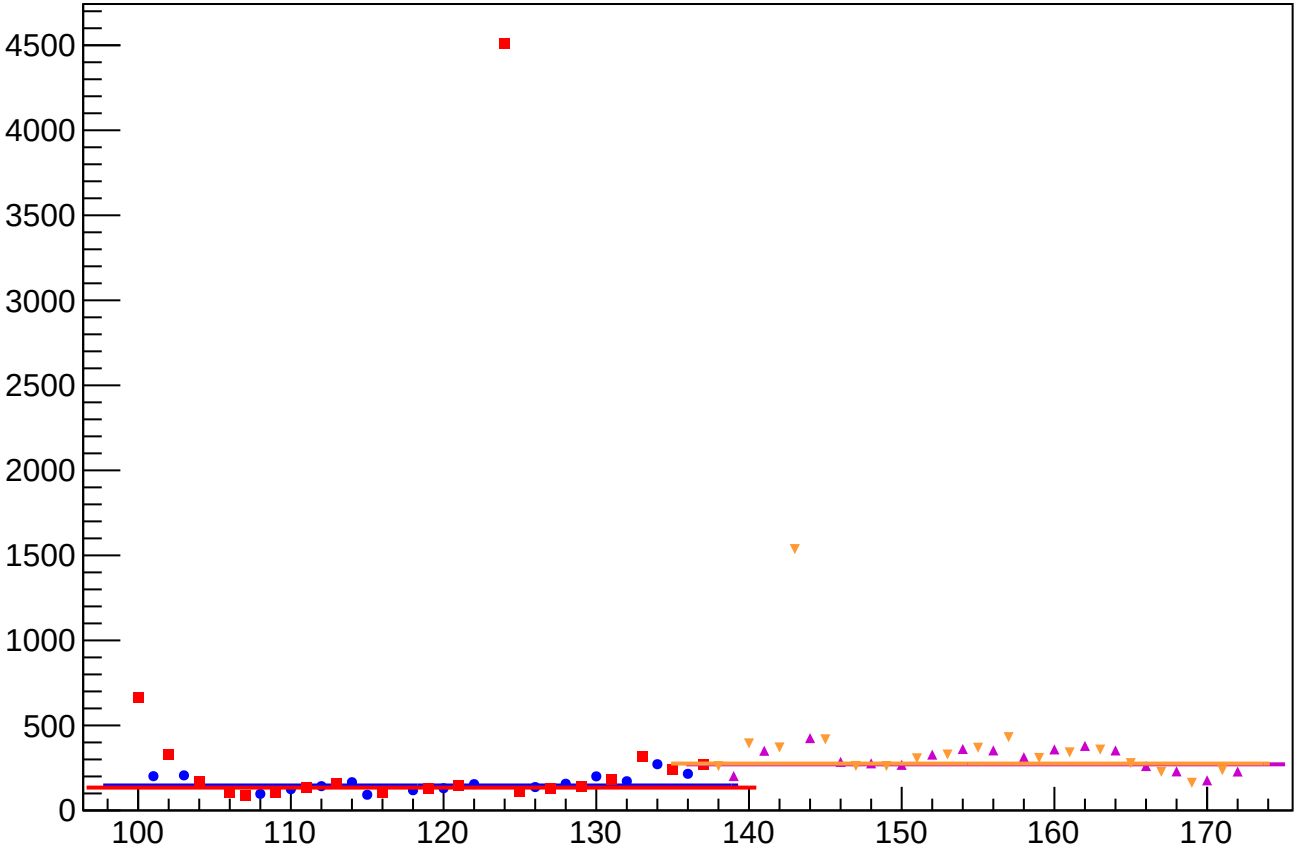
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.046+/-0.046 χ^2/NDF:32.3/32

Out: -0.019+/-0.045 χ^2/NDF:44.6/36

All: 0.013+/-0.032 χ^2/NDF: 77.9/69

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: 275.807+/-0.055 χ^2/NDF:2935721.4/17

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: 273.465+/-0.038 χ^2/NDF: 4566554.1/34

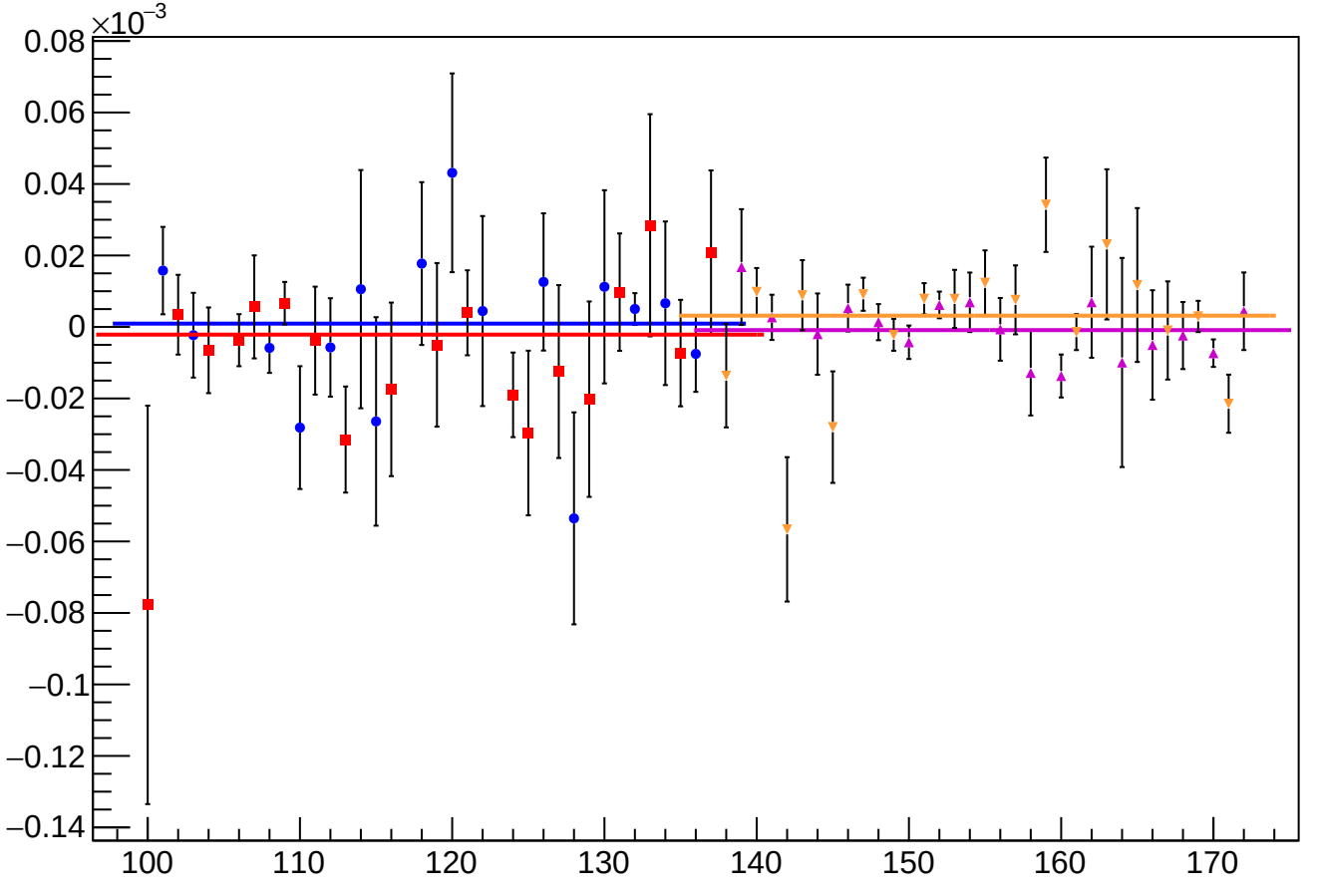
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 192.656+/-0.032 χ^2/NDF:6051336.4/32

Out: 181.238+/-0.032 χ^2/NDF:8943415.2/36

All: 186.815+/-0.023 χ^2/NDF: 15058163.4/69

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:38.0/17

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:16.6/16

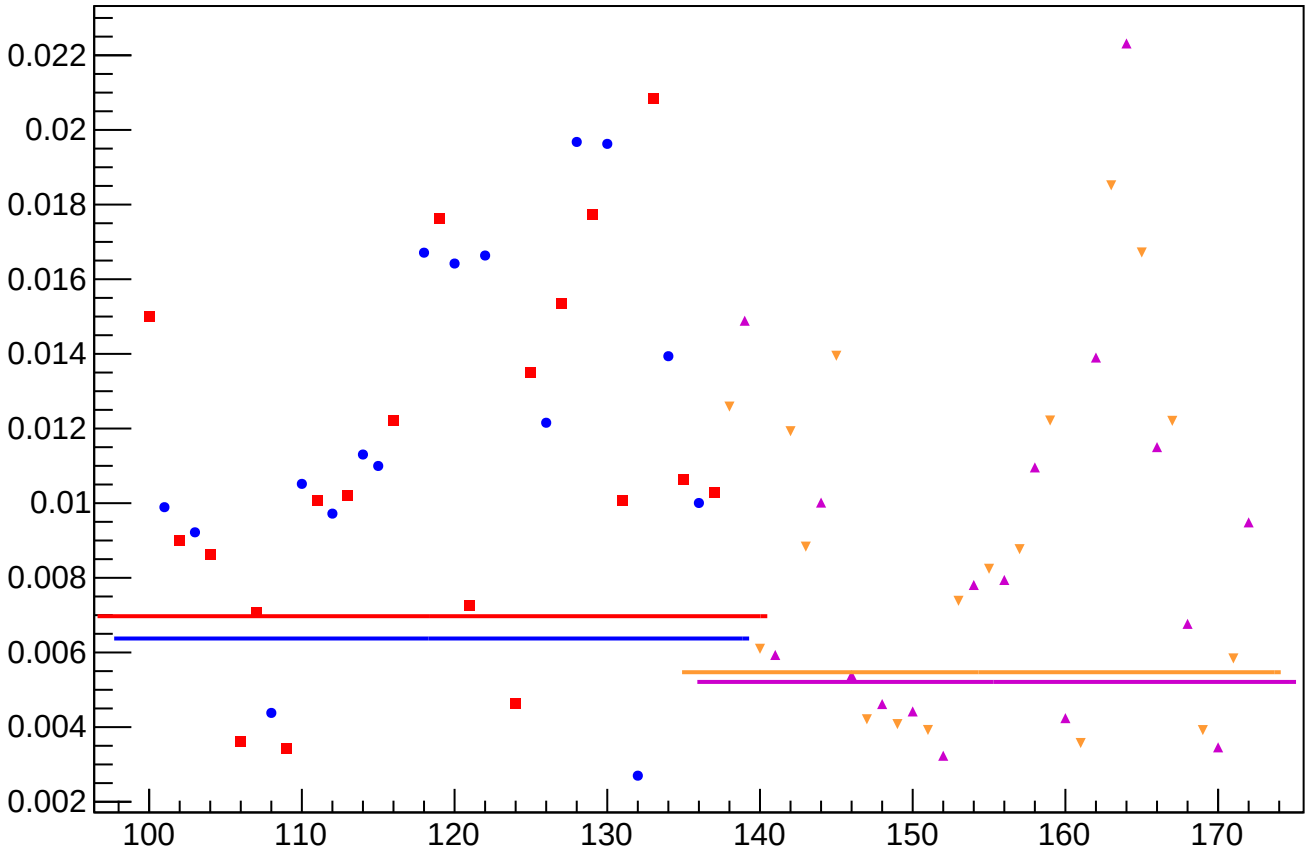
Left: 0.000+/-0.000 χ^2/NDF: 57.6/34

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:56.4/36

All: 0.000+/-0.000 χ^2/NDF: 89.5/69



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:5516719.2/17

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: 10619660.1/34

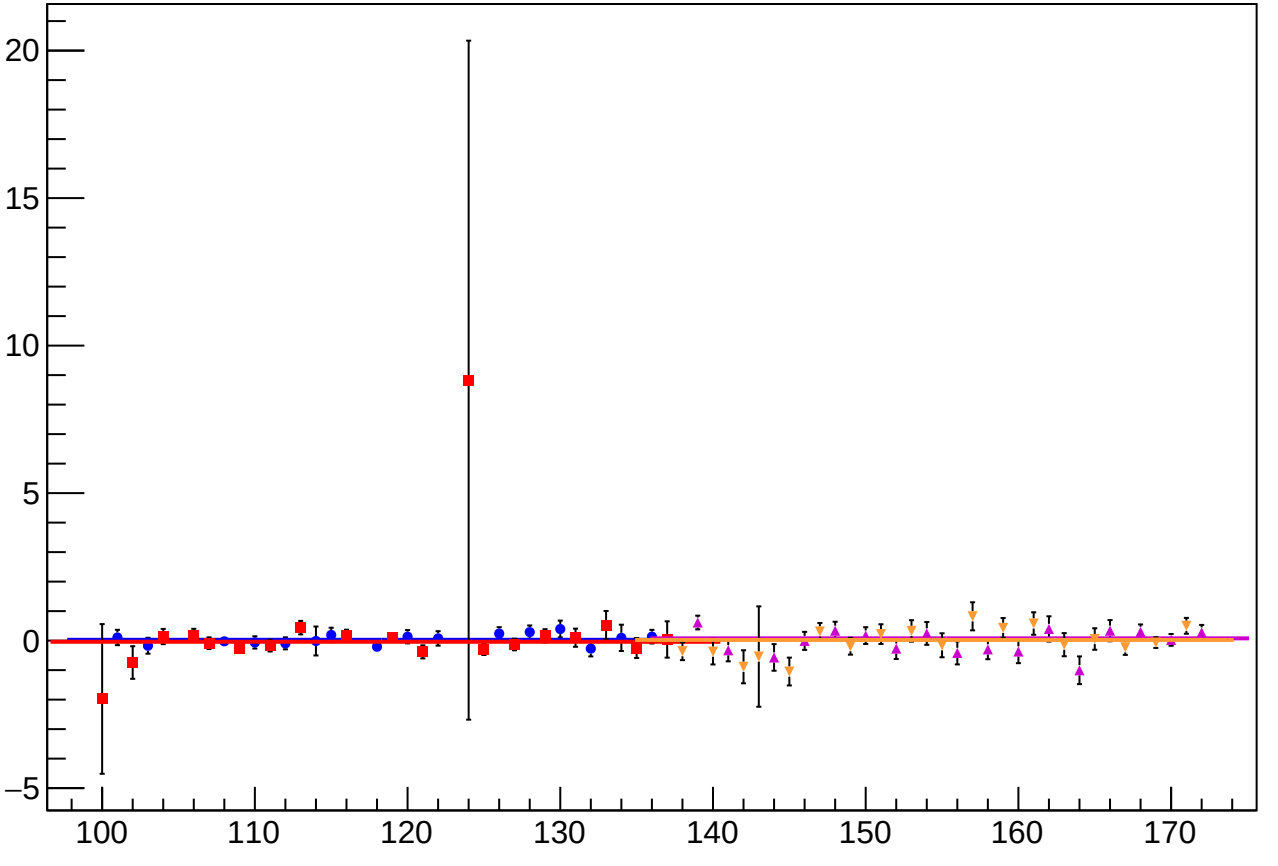
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.005+/-0.000 χ^2/NDF:9959101.2/32

Out: 0.006+/-0.000 χ^2/NDF:9304892.8/36

All: 0.006+/-0.000 χ^2/NDF: 19319338.9/69

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: 0.023+/-0.078 χ^2/NDF:24.2/17

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: 0.051+/-0.054 χ^2/NDF: 47.0/34

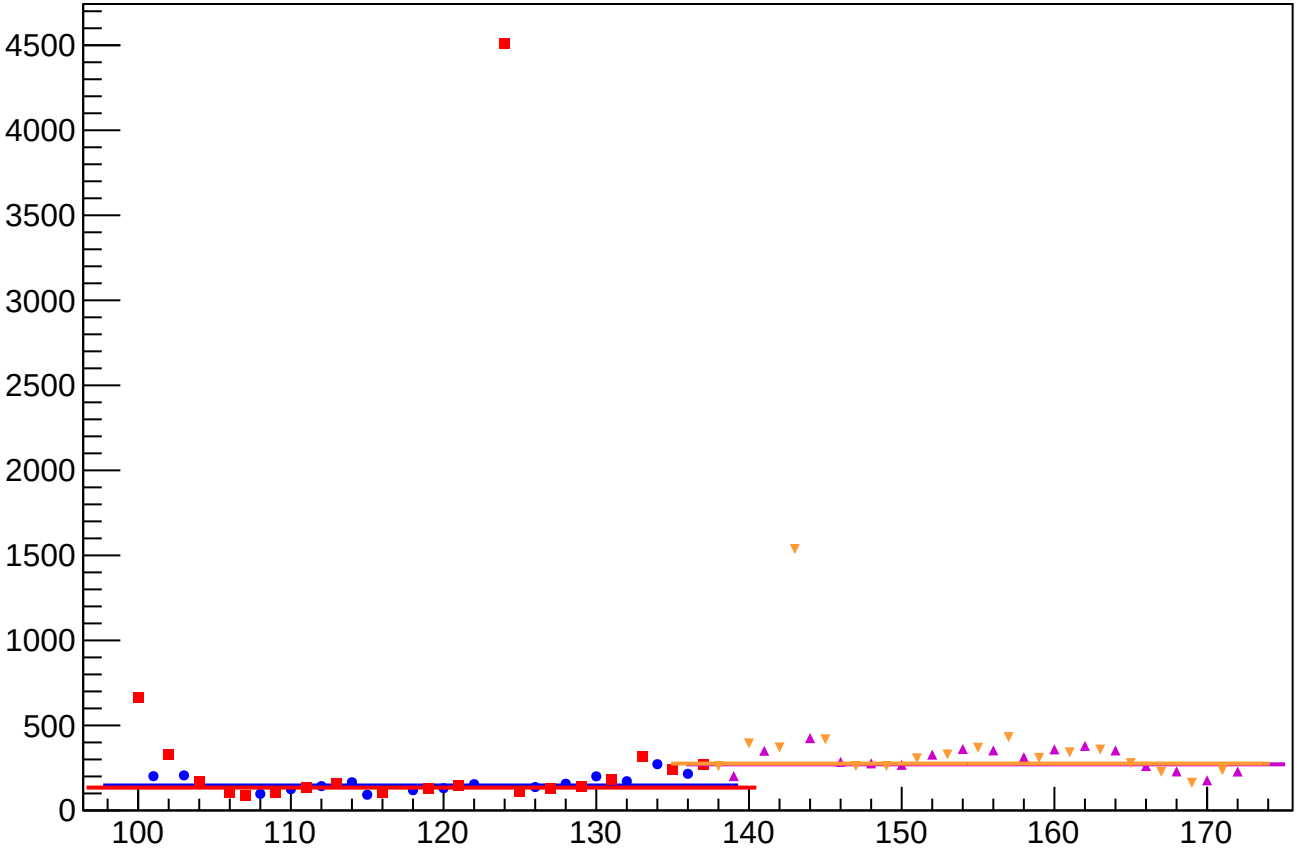
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.046+/-0.046 χ^2/NDF:32.3/32

Out: -0.019+/-0.045 χ^2/NDF:44.6/36

All: 0.013+/-0.032 χ^2/NDF: 77.9/69

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: 275.808+/-0.055 χ^2/NDF:2935825.9/17

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: 273.466+/-0.038 χ^2/NDF: 4566710.3/34

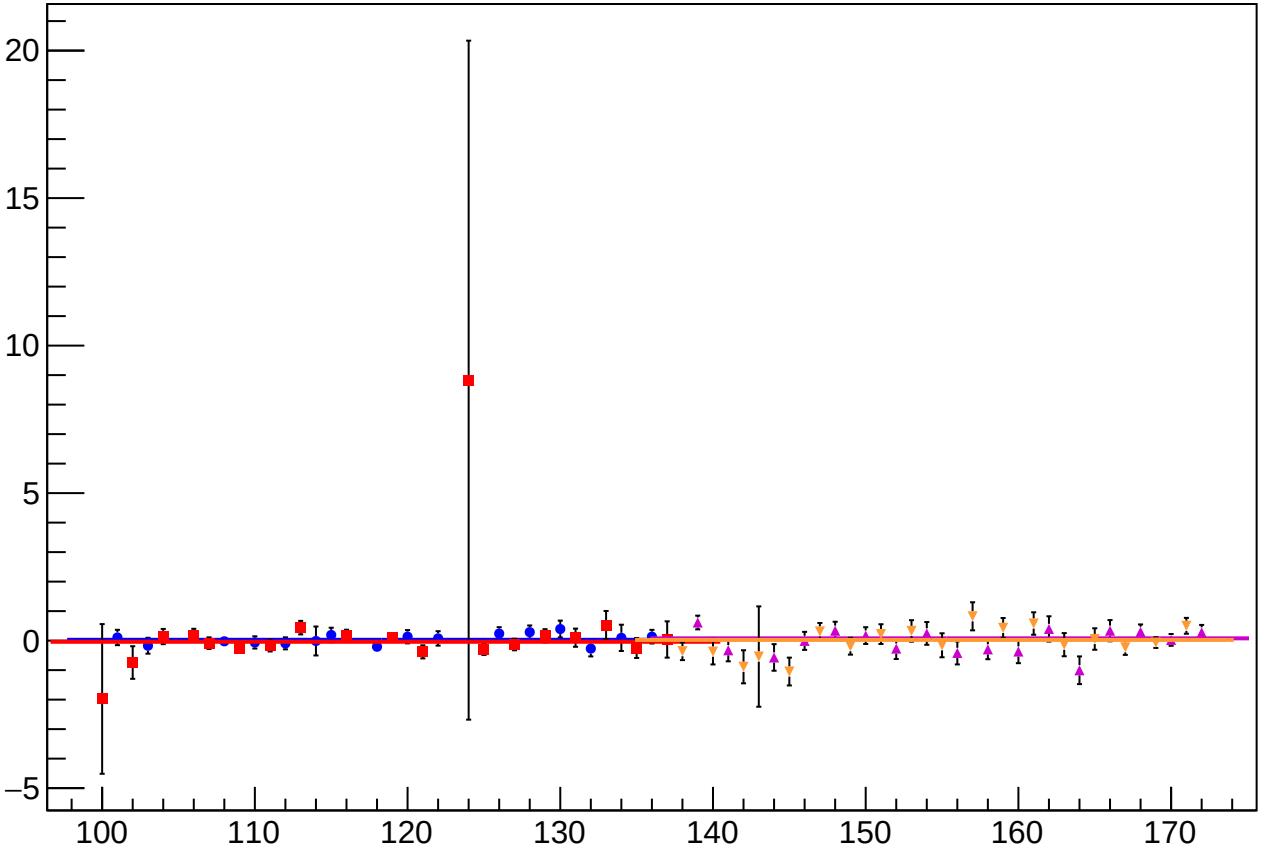
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 192.656+/-0.032 χ^2/NDF:6051420.2/32

Out: 181.240+/-0.032 χ^2/NDF:8943392.9/36

All: 186.816+/-0.023 χ^2/NDF: 15058211.2/69

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: 0.023+/-0.078 χ^2/NDF:24.2/17

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: 0.051+/-0.054 χ^2/NDF: 47.0/34

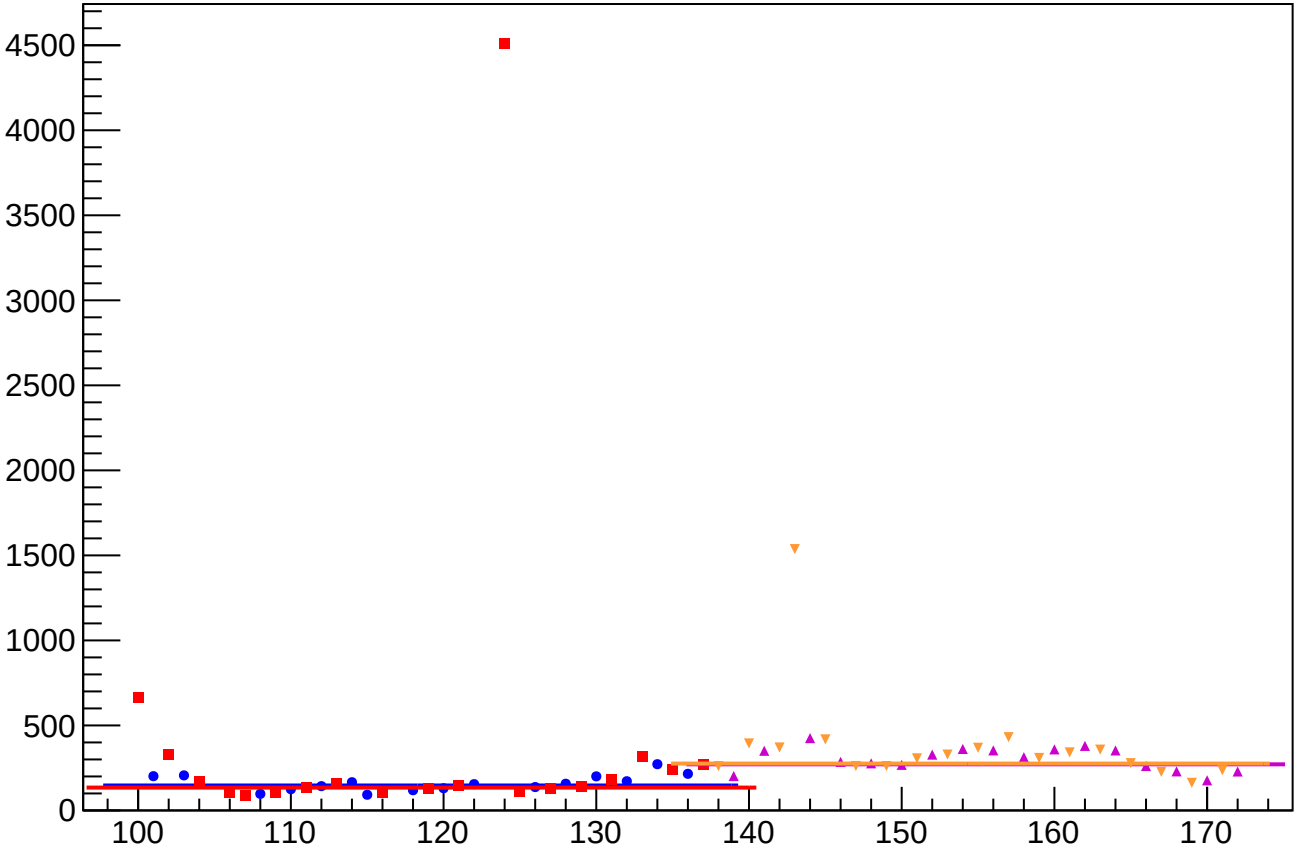
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.046+/-0.046 χ^2/NDF:32.3/32

Out: -0.019+/-0.045 χ^2/NDF:44.6/36

All: 0.013+/-0.032 χ^2/NDF: 77.9/69

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: 275.808+/-0.055 χ^2/NDF:2935825.9/17

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 271.264+/-0.053 χ^2/NDF:1627379.4/16

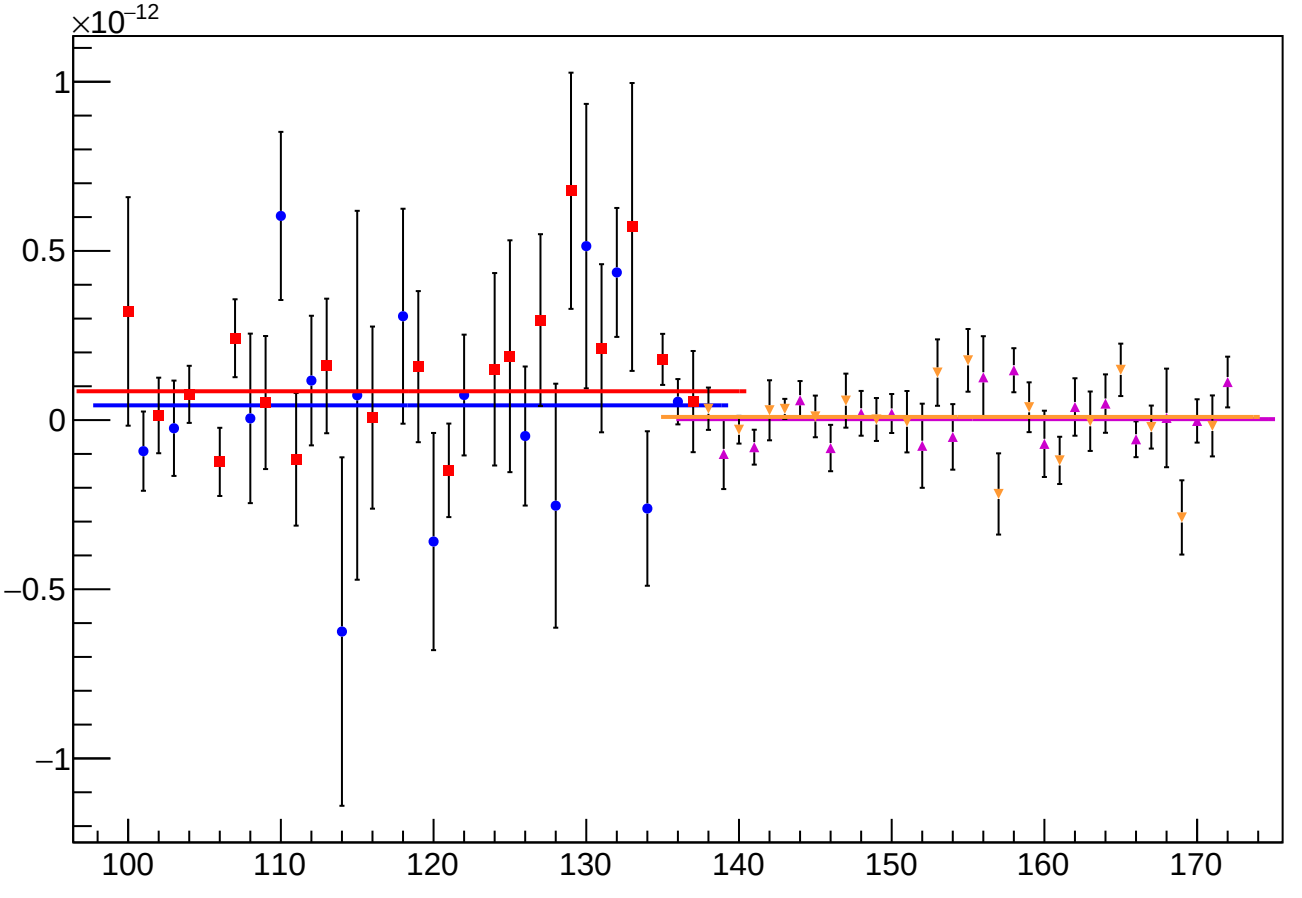
Left: 273.466+/-0.038 χ^2/NDF: 4566710.3/34

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 192.656+/-0.032 χ^2/NDF:6051420.2/32

Out: 181.240+/-0.032 χ^2/NDF:8943392.9/36

All: 186.816+/-0.023 χ^2/NDF: 15058211.2/69



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/17

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: 42.6/34

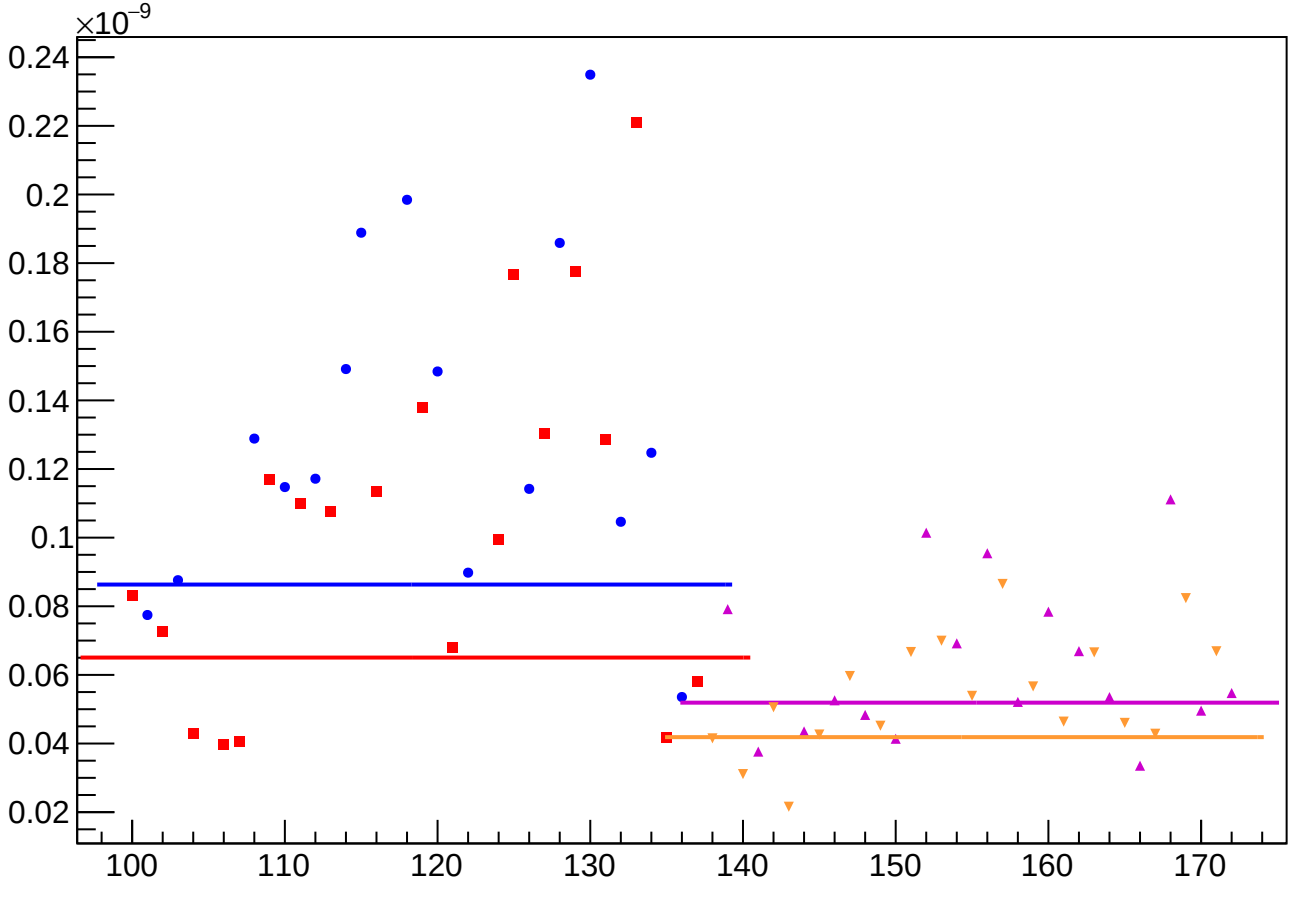
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:37.1/32

Out: 0.000+/-0.000 χ^2/NDF:47.5/36

All: 0.000+/-0.000 χ^2/NDF: 84.9/69

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2503029.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1832464.0/16

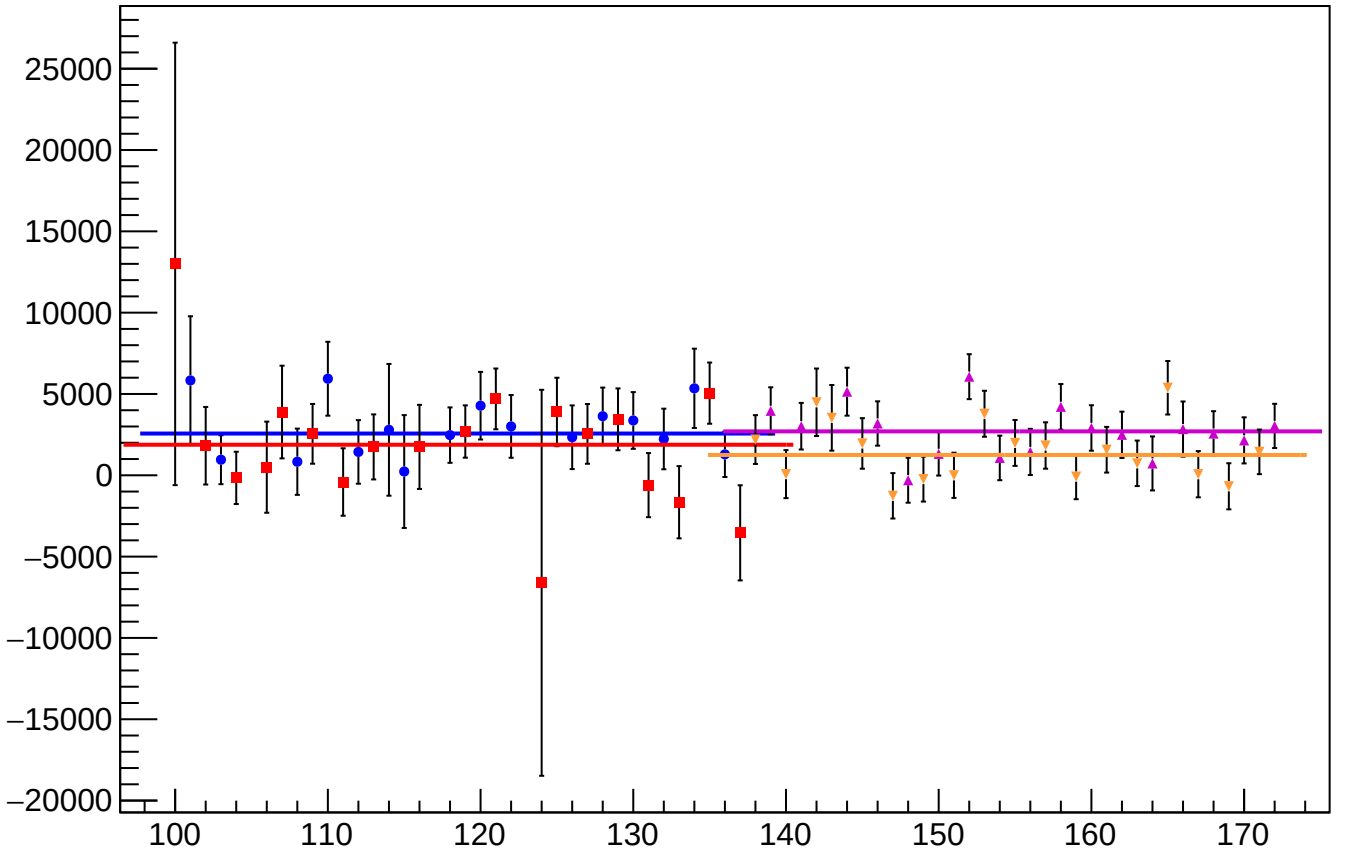
Left: 0.000+/-0.000 χ^2/NDF: 4707215.6/34

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:5428790.5/36

All: 0.000+/-0.000 χ^2/NDF: 10486740.7/69



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1249.180+/-347.676 χ^2/NDF:23.8/17

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 2699.800+/-345.171 χ^2/NDF:20.5/16

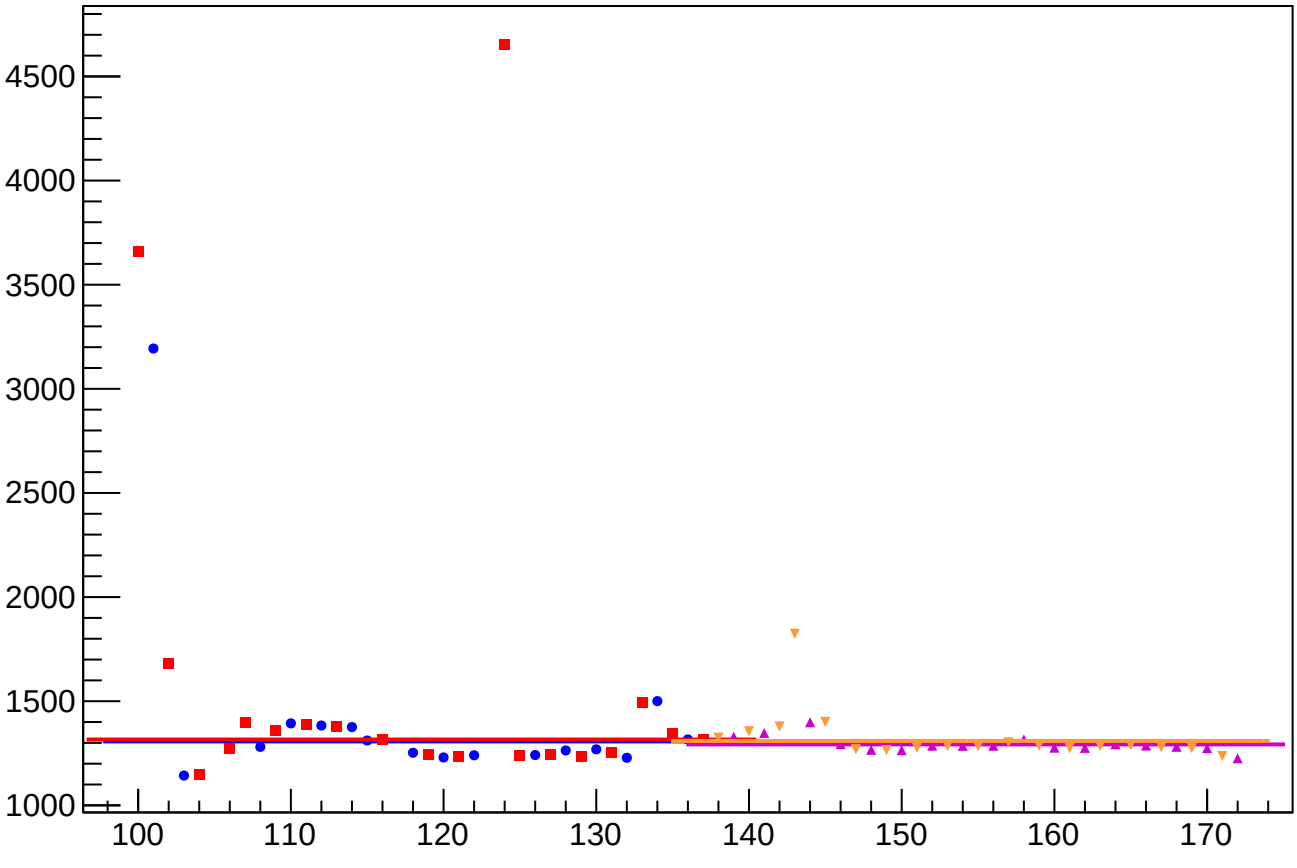
Left: 1979.736+/-244.954 χ^2/NDF: 53.0/34

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2656.546+/-283.200 χ^2/NDF:29.6/32

Out: 1457.083+/-284.456 χ^2/NDF:44.4/36

All: 2059.469+/-200.695 χ^2/NDF: 82.9/69



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1309.166+/-0.246 χ^2/NDF:157753.6/17

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: 1300.788+/-0.173 χ^2/NDF: 182802.1/34

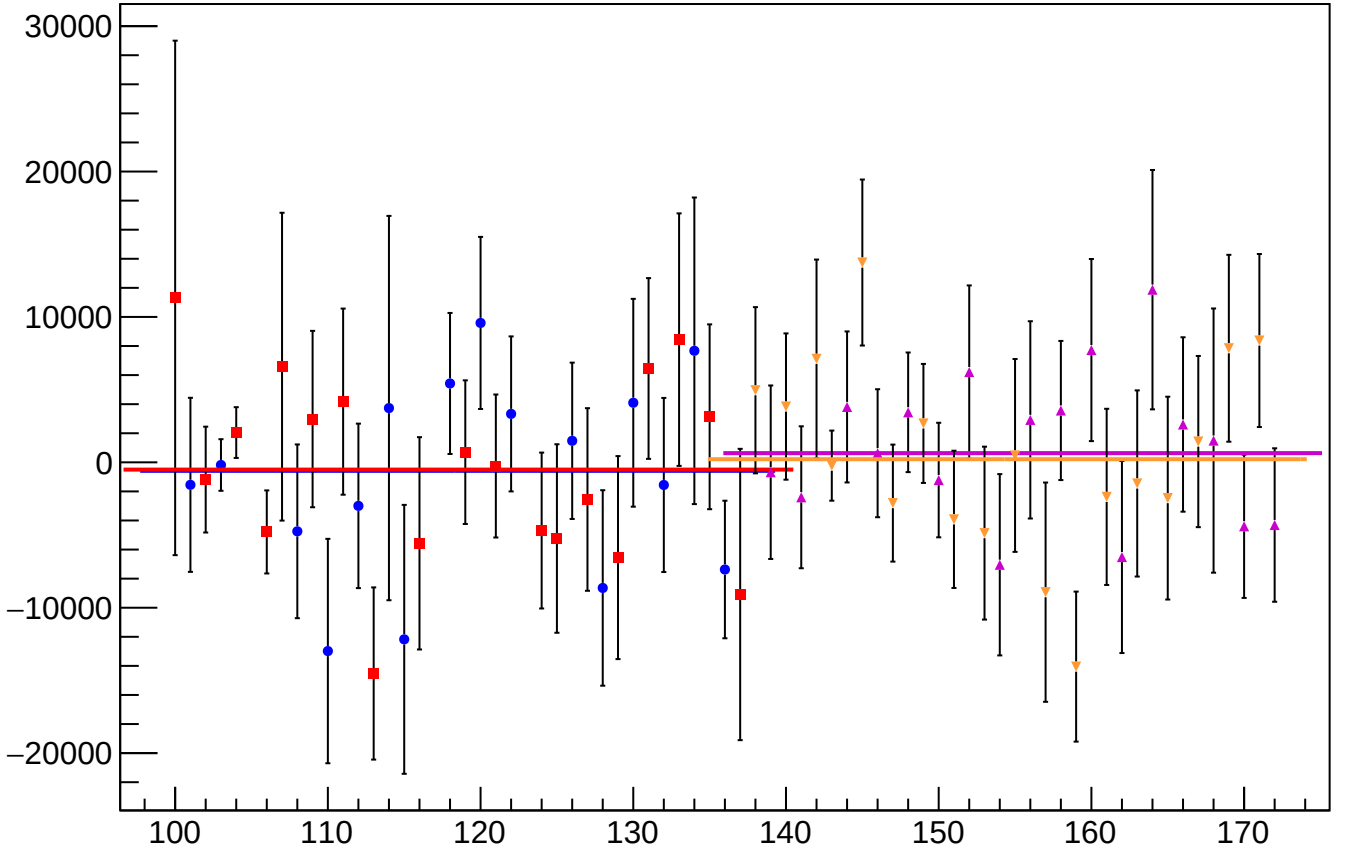
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1297.282+/-0.200 χ^2/NDF:540151.0/32

Out: 1311.433+/-0.201 χ^2/NDF:484429.9/36

All: 1304.333+/-0.142 χ^2/NDF: 1027069.1/69

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: 214.156+/-1178.190 χ^2/NDF:23.2/17

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 633.629+/-1311.047 χ^2/NDF:10.7/16

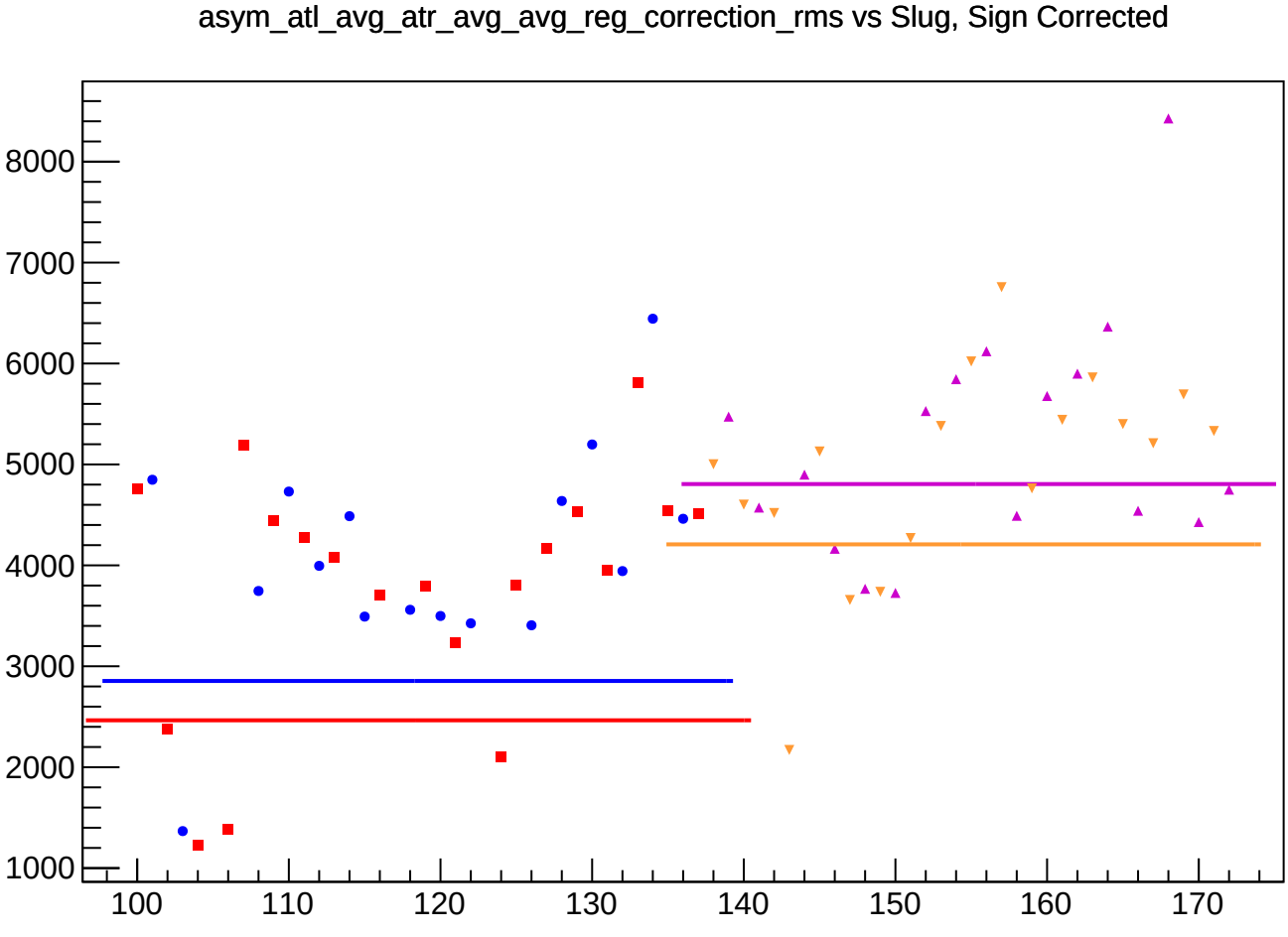
Left: 401.568+/-876.324 χ^2/NDF: 33.9/34

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -31.321+/-882.311 χ^2/NDF:25.9/32

Out: -182.107+/-786.134 χ^2/NDF:41.1/36

All: -115.377+/-586.950 χ^2/NDF: 67.0/69



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4207.922+/-0.833 χ^2/NDF:2589269.3/17

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4805.452+/-0.927 χ^2/NDF:1018174.7/16

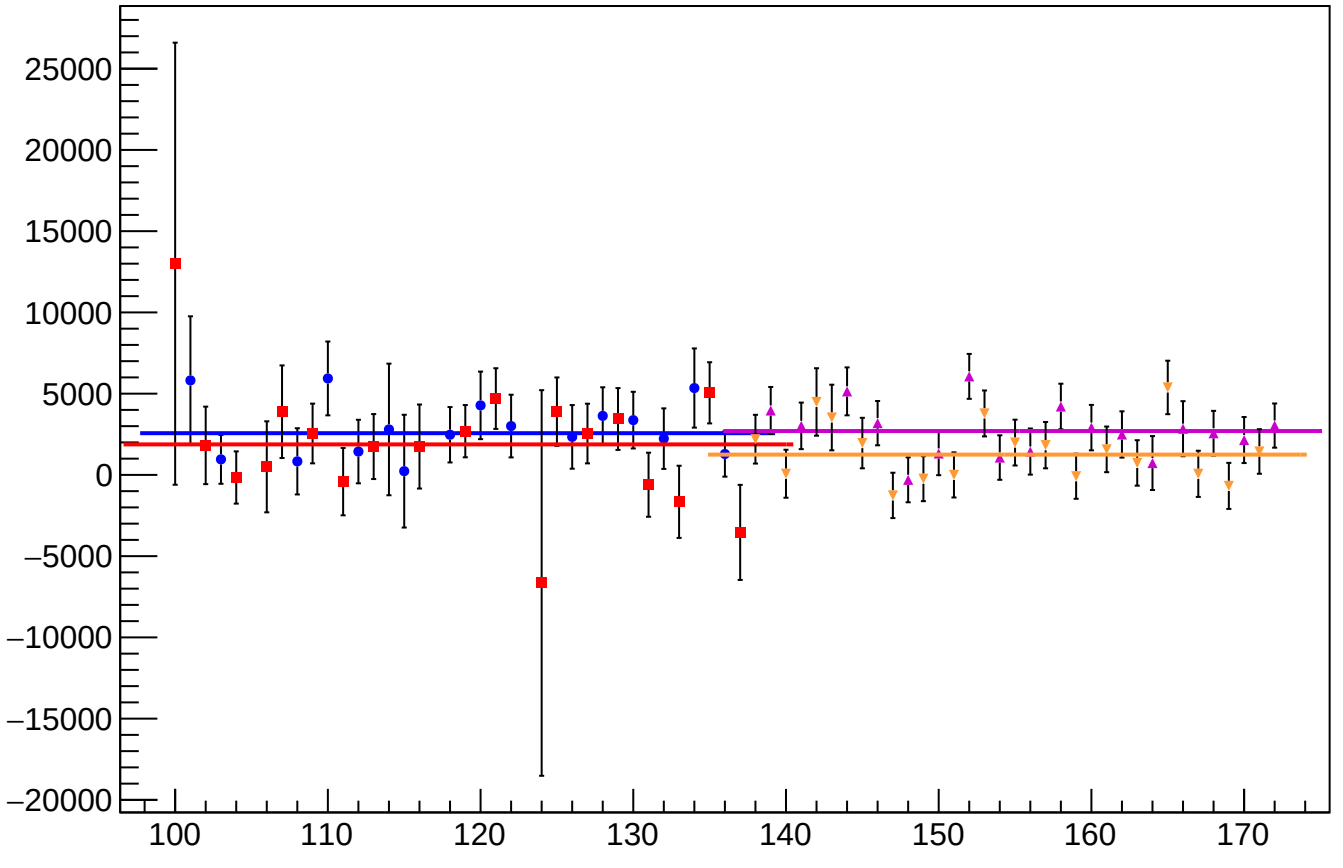
Left: 4474.886+/-0.620 χ^2/NDF: 3837277.2/34

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3737.986+/-0.624 χ^2/NDF:6346475.0/32

Out: 3240.736+/-0.556 χ^2/NDF:8374558.8/36

All: 3460.792+/-0.415 χ^2/NDF: 15075150.0/6



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1249.107+/-347.676 χ^2/NDF:23.8/17

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2699.822+/-345.171 χ^2/NDF:20.5/16

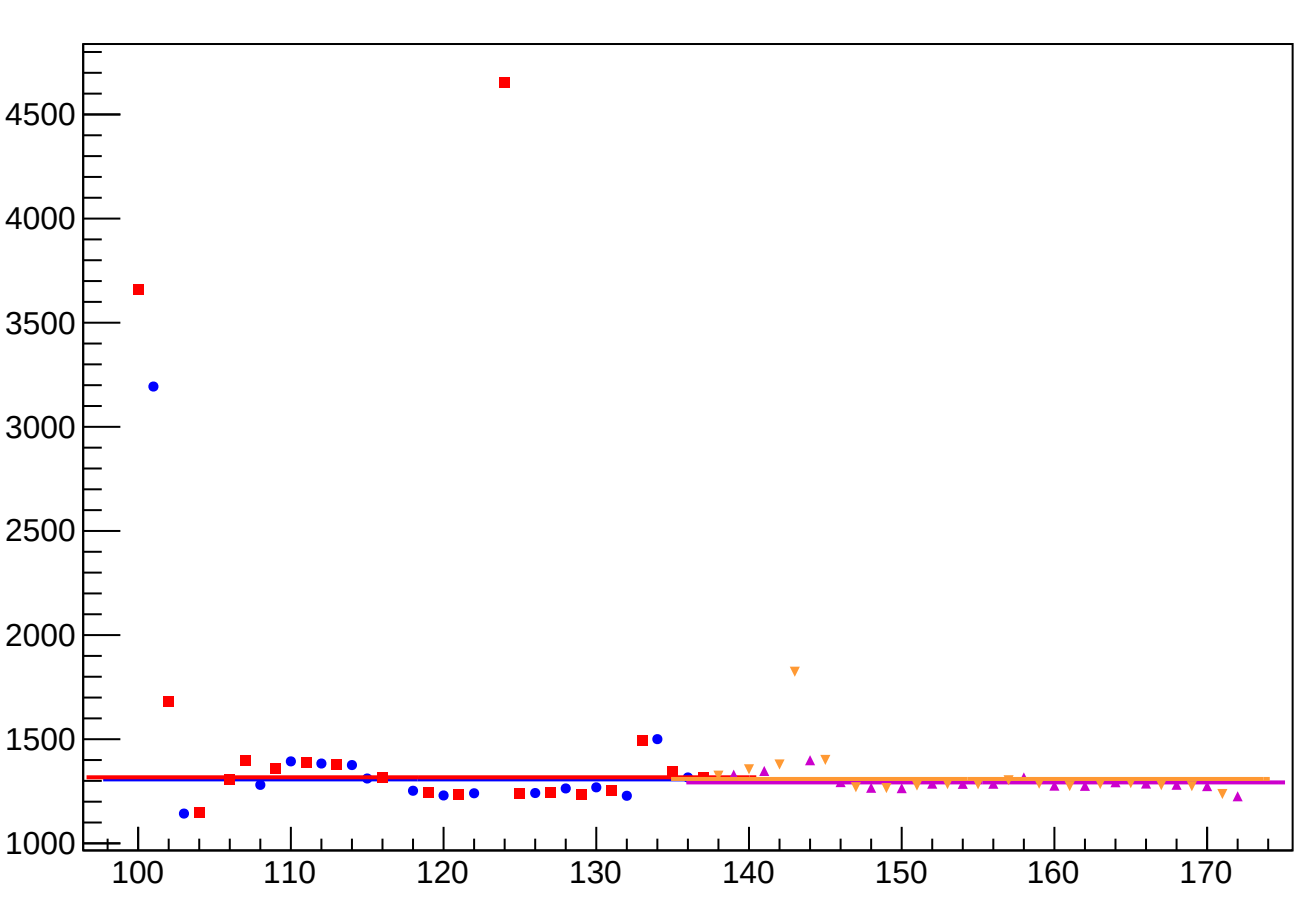
Left: 1979.711+/-244.954 χ^2/NDF: 53.0/34

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2656.469+/-283.200 χ^2/NDF:29.6/32

Out: 1456.949+/-284.456 χ^2/NDF:44.4/36

All: 2059.365+/-200.695 χ^2/NDF: 82.9/69



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1309.167+/-0.246 χ^2/NDF:157753.6/17

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: 1300.788+/-0.173 χ^2/NDF: 182802.1/34

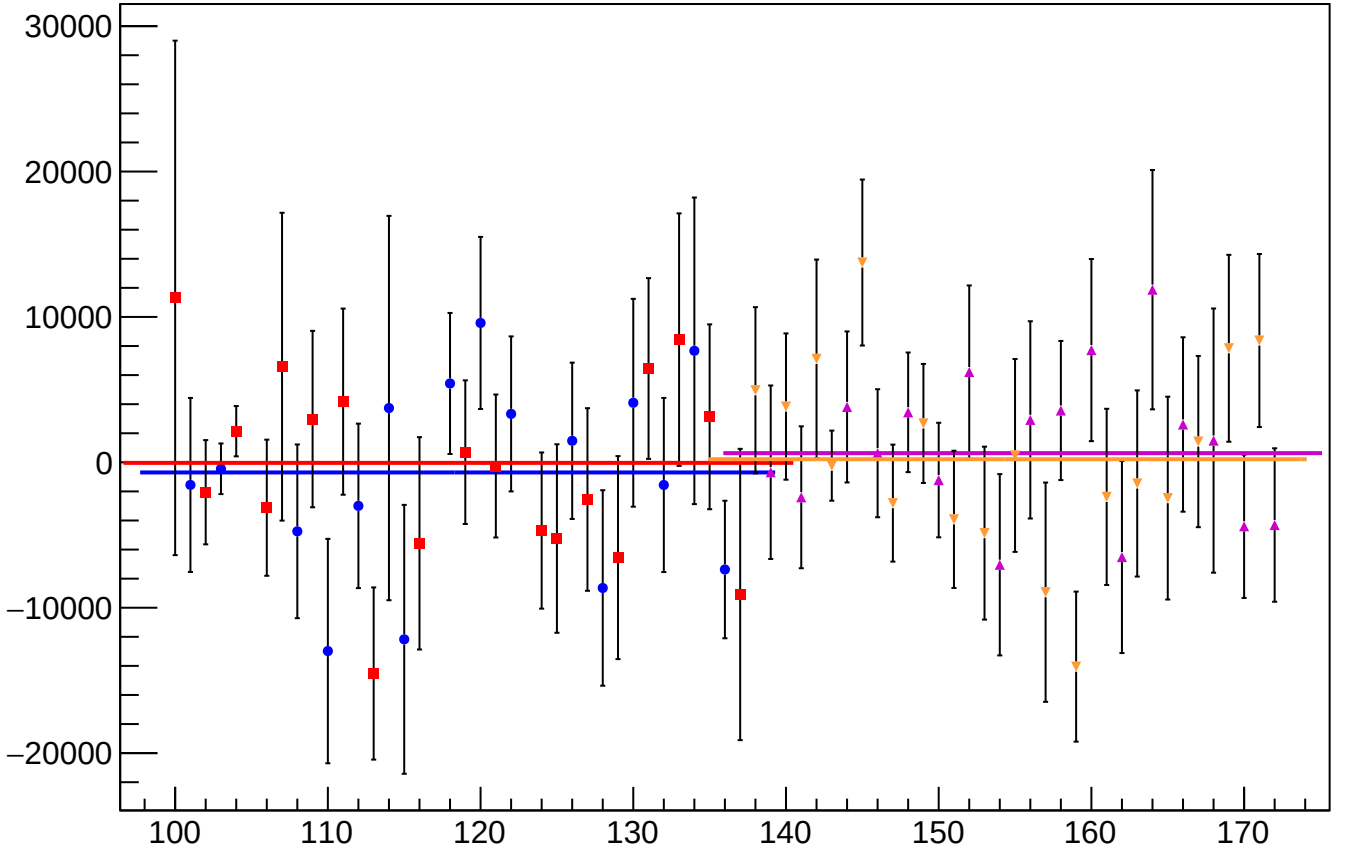
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1297.282+/-0.200 χ^2/NDF:540152.5/32

Out: 1311.805+/-0.201 χ^2/NDF:484028.0/36

All: 1304.516+/-0.142 χ^2/NDF: 1026800.5/69

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: 214.137+/-1178.186 χ^2/NDF:23.2/17

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 633.685+/-1311.046 χ^2/NDF:10.7/16

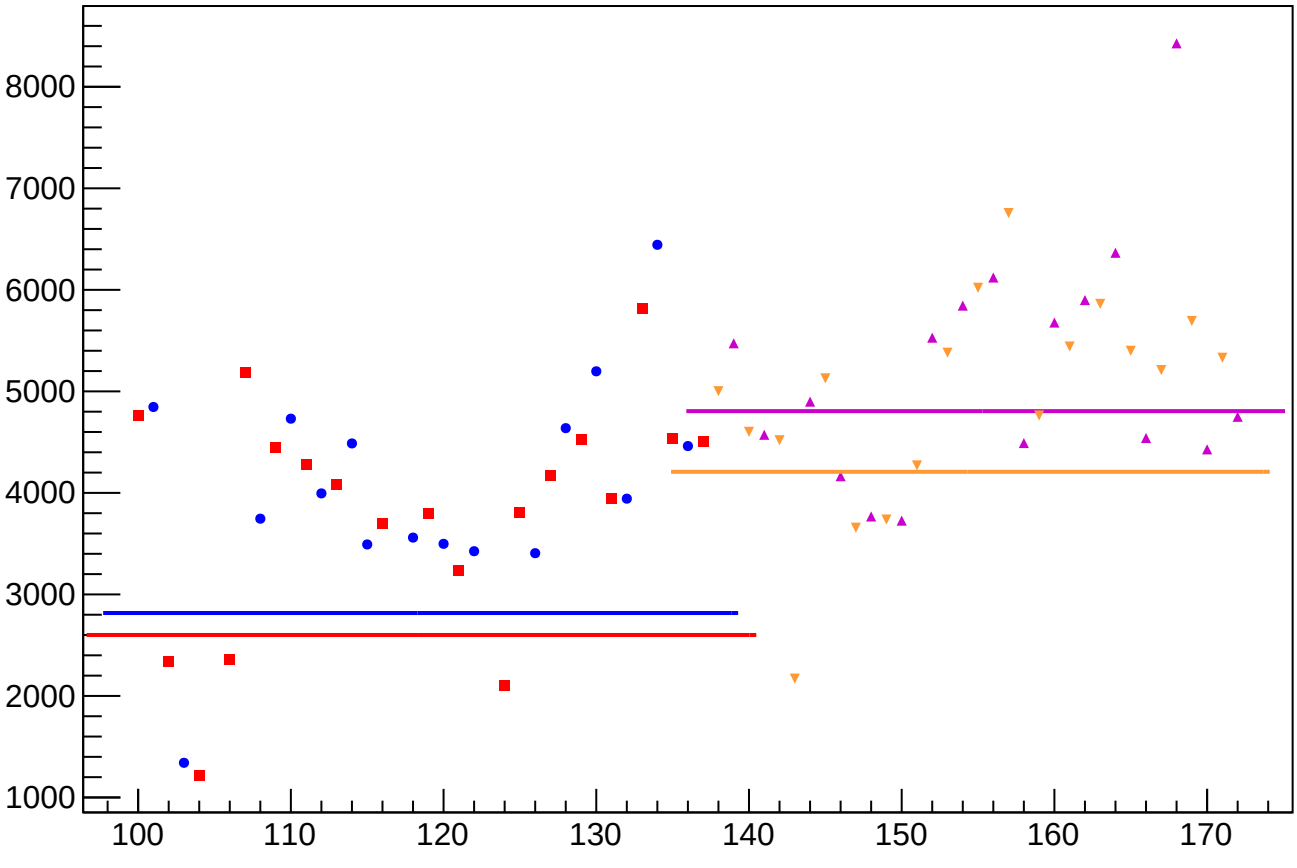
Left: 401.582+/-876.322 χ^2/NDF: 33.9/34

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -99.147+/-878.065 χ^2/NDF:26.0/32

Out: 80.230+/-803.337 χ^2/NDF:39.1/36

All: -1.502+/-592.706 χ^2/NDF: 65.1/69



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4207.900+/-0.833 χ^2/NDF:2589349.0/17

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4805.451+/-0.927 χ^2/NDF:1018182.4/16

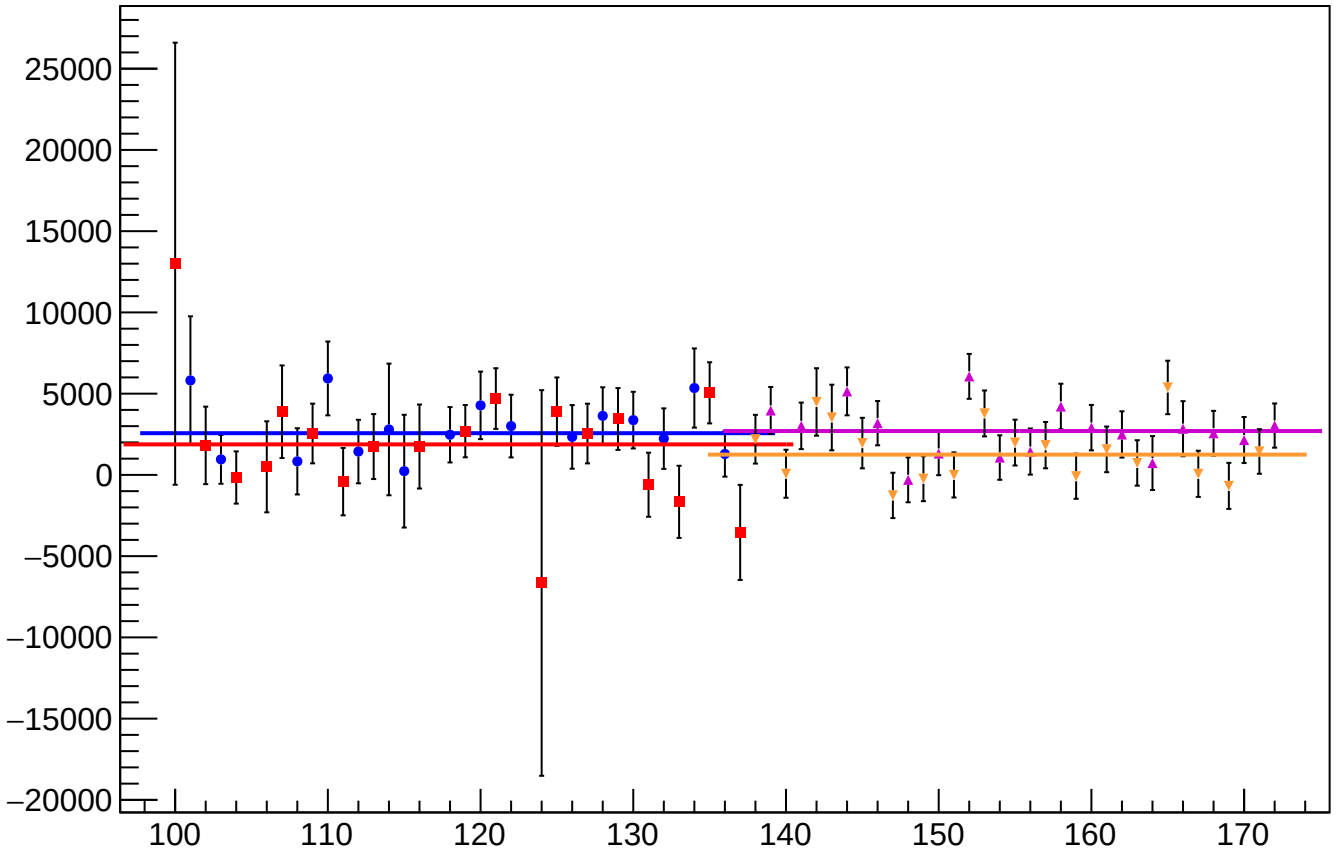
Left: 4474.872+/-0.620 χ^2/NDF: 3837380.5/34

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3708.814+/-0.621 χ^2/NDF:6563326.0/32

Out: 3347.808+/-0.568 χ^2/NDF:7662008.7/36

All: 3512.298+/-0.419 χ^2/NDF: 14409364.2/6



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1249.107+/-347.676 χ^2/NDF:23.8/17

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2699.822+/-345.171 χ^2/NDF:20.5/16

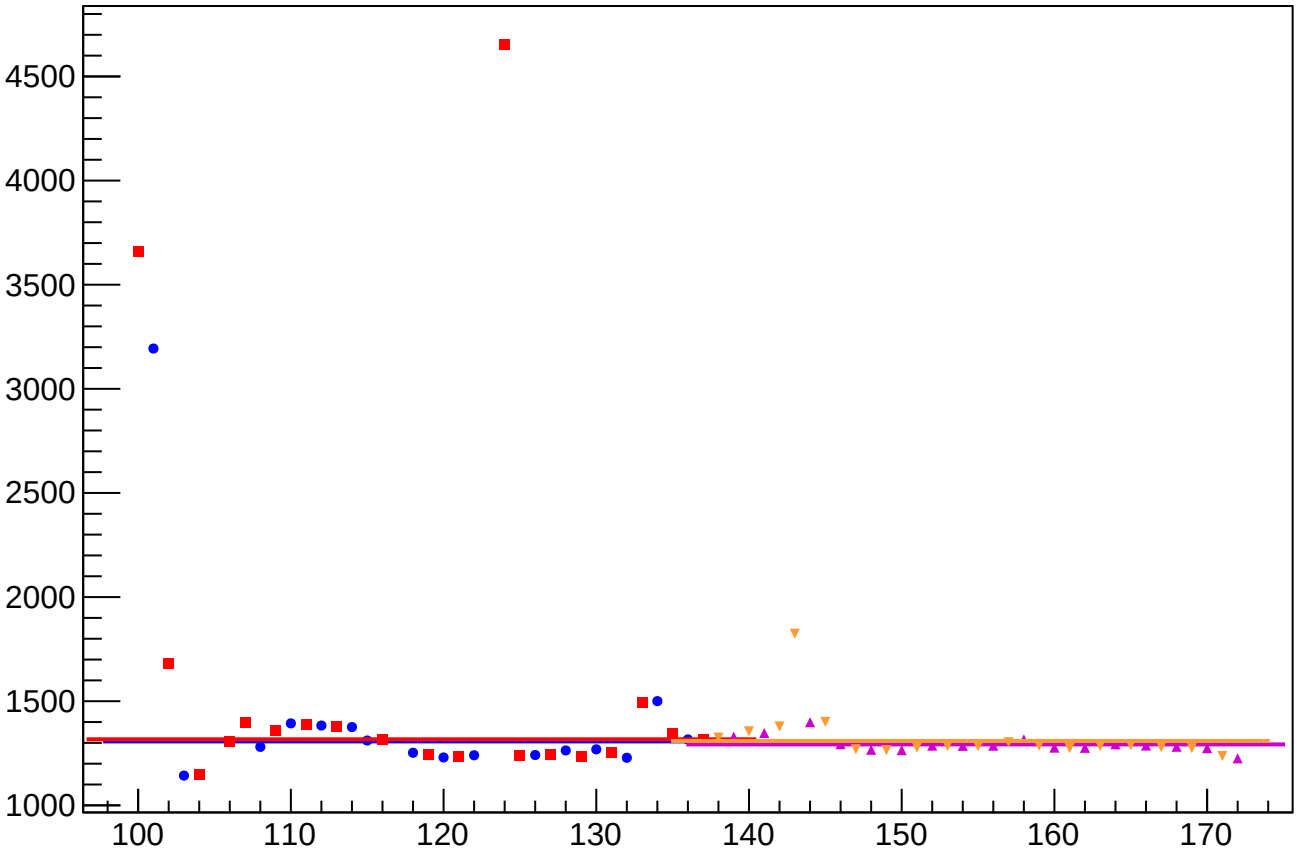
Left: 1979.711+/-244.954 χ^2/NDF: 53.0/34

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2656.469+/-283.200 χ^2/NDF:29.6/32

Out: 1456.949+/-284.456 χ^2/NDF:44.4/36

All: 2059.365+/-200.695 χ^2/NDF: 82.9/69



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1309.167+/-0.246 χ^2/NDF:157753.6/17

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: 1300.788+/-0.173 χ^2/NDF: 182802.1/34

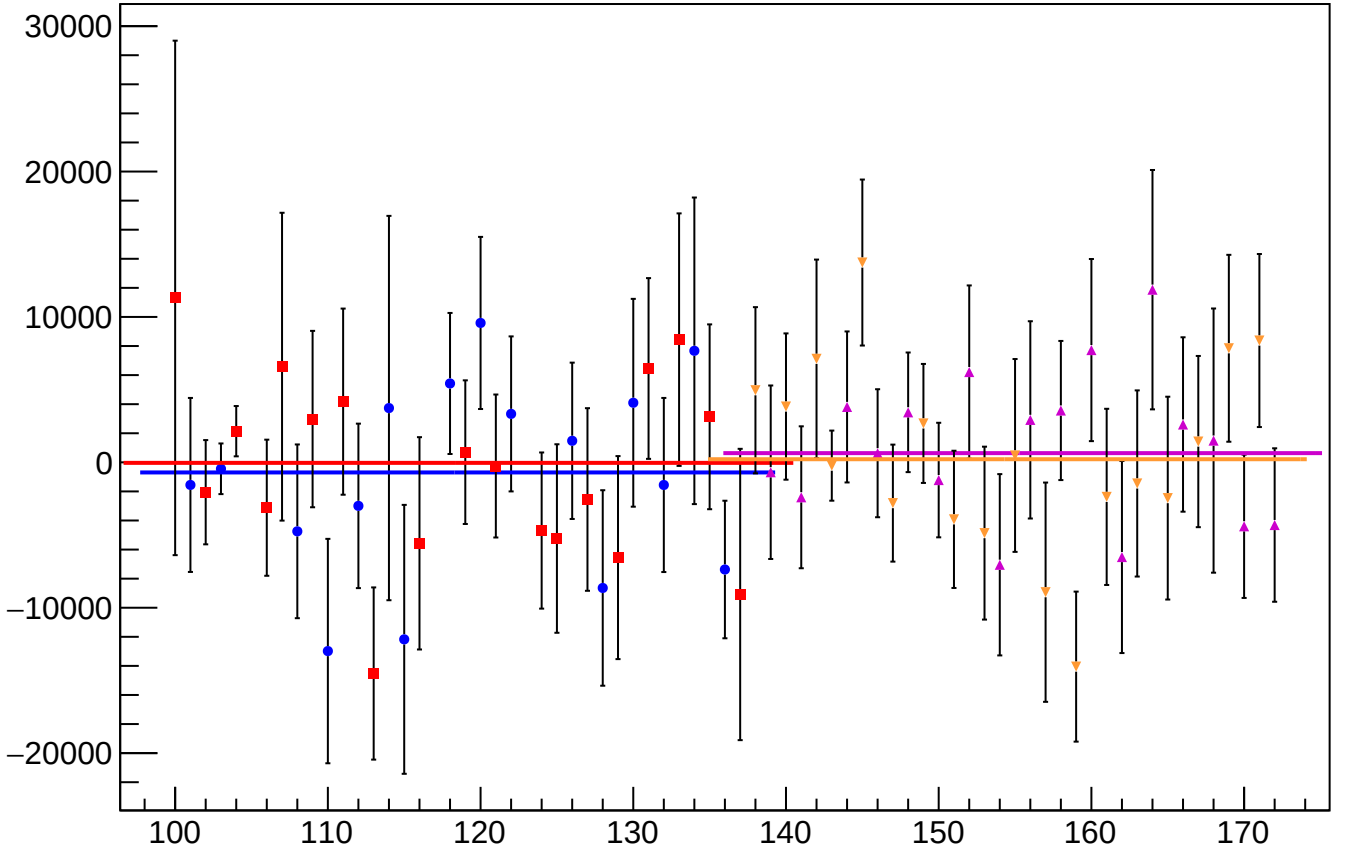
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1297.282+/-0.200 χ^2/NDF:540152.5/32

Out: 1311.805+/-0.201 χ^2/NDF:484028.0/36

All: 1304.516+/-0.142 χ^2/NDF: 1026800.5/69

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 214.137+/-1178.186 χ^2/NDF:23.2/17

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 633.685+/-1311.046 χ^2/NDF:10.7/16

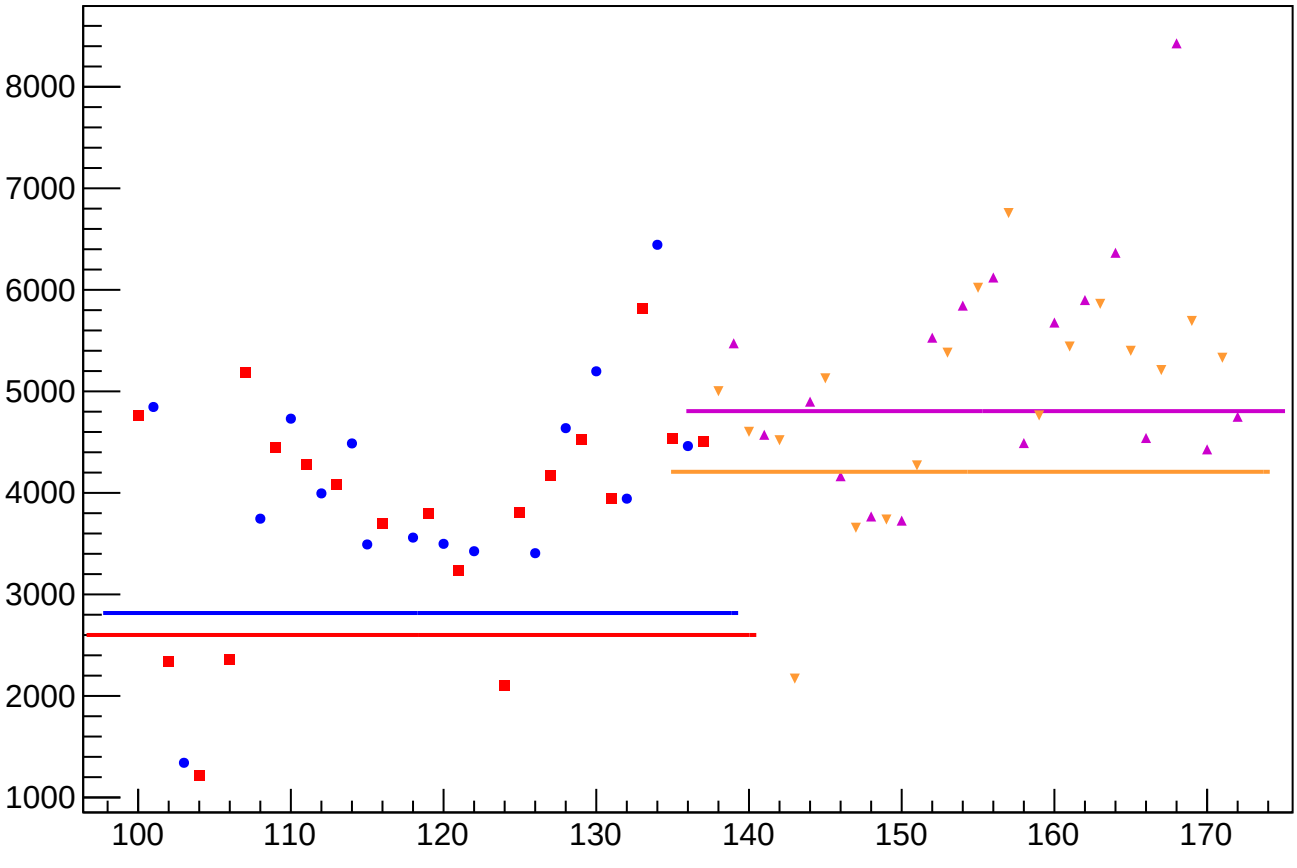
Left: 401.582+/-876.322 χ^2/NDF: 33.9/34

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -99.147+/-878.065 χ^2/NDF:26.0/32

Out: 80.230+/-803.337 χ^2/NDF:39.1/36

All: -1.502+/-592.706 χ^2/NDF: 65.1/69



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4207.900+/-0.833 χ^2/NDF:2589349.0/17

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4805.451+/-0.927 χ^2/NDF:1018182.4/16

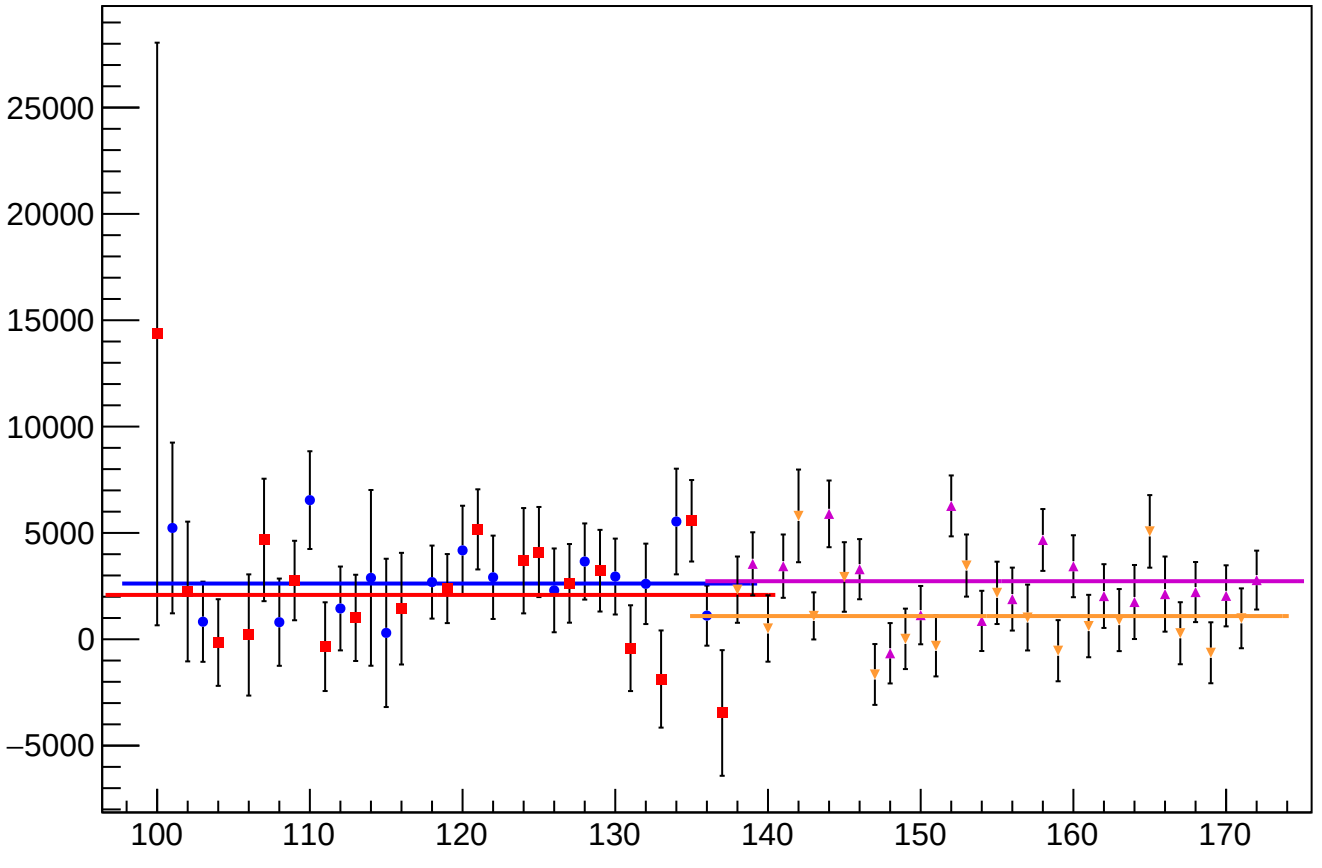
Left: 4474.872+/-0.620 χ^2/NDF: 3837380.5/34

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3708.814+/-0.621 χ^2/NDF:6563326.0/32

Out: 3347.808+/-0.568 χ^2/NDF:7662008.7/36

All: 3512.298+/-0.419 χ^2/NDF: 14409364.2/6



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1091.185+/-347.866 χ^2/NDF:23.7/17

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 2730.410+/-357.325 χ^2/NDF:23.0/16

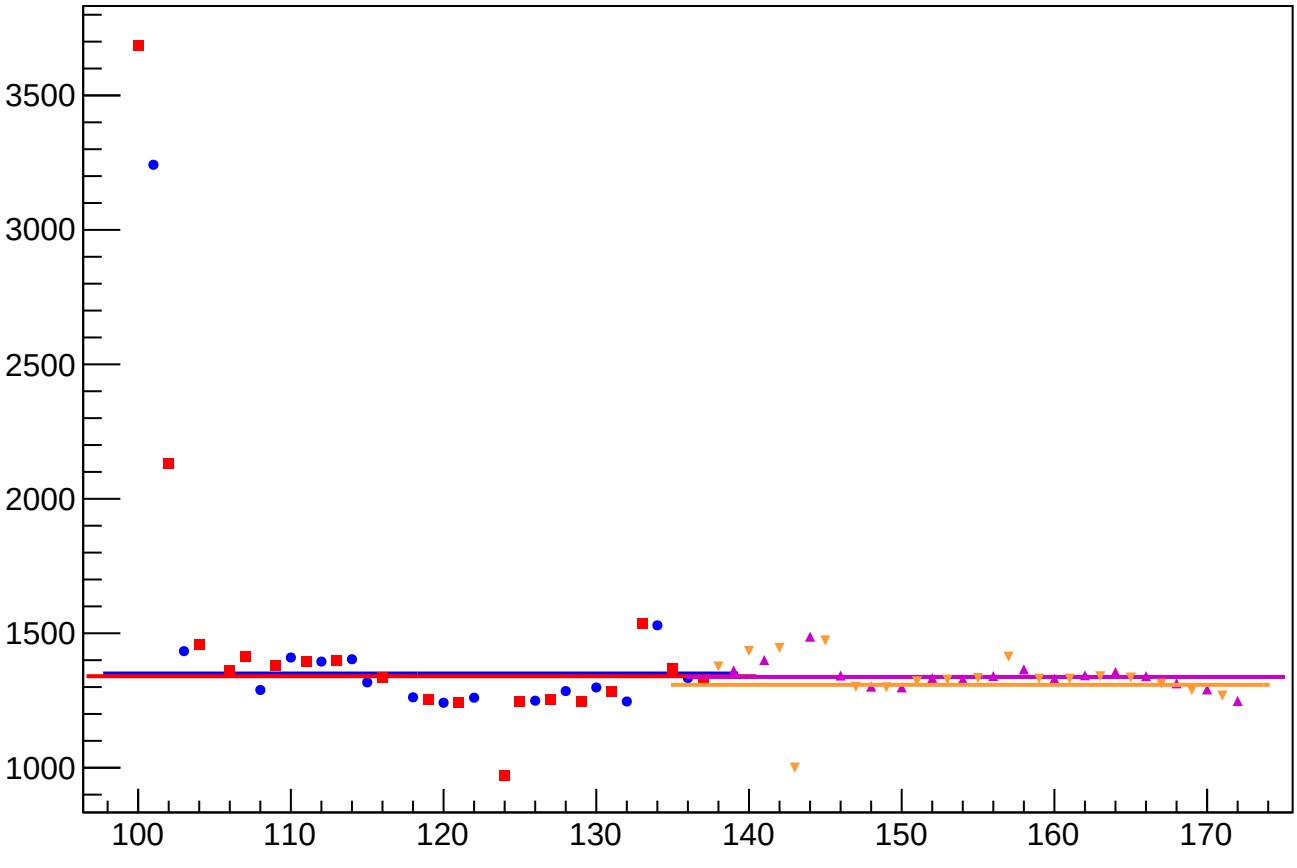
Left: 1888.813+/-249.255 χ^2/NDF: 57.5/34

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2694.376+/-292.929 χ^2/NDF:32.4/32

Out: 1411.305+/-286.453 χ^2/NDF:47.3/36

All: 2038.501+/-204.804 χ^2/NDF: 89.5/69



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1308.274+/-0.246 χ^2/NDF:214698.8/17

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1337.526+/-0.253 χ^2/NDF:37427.2/16

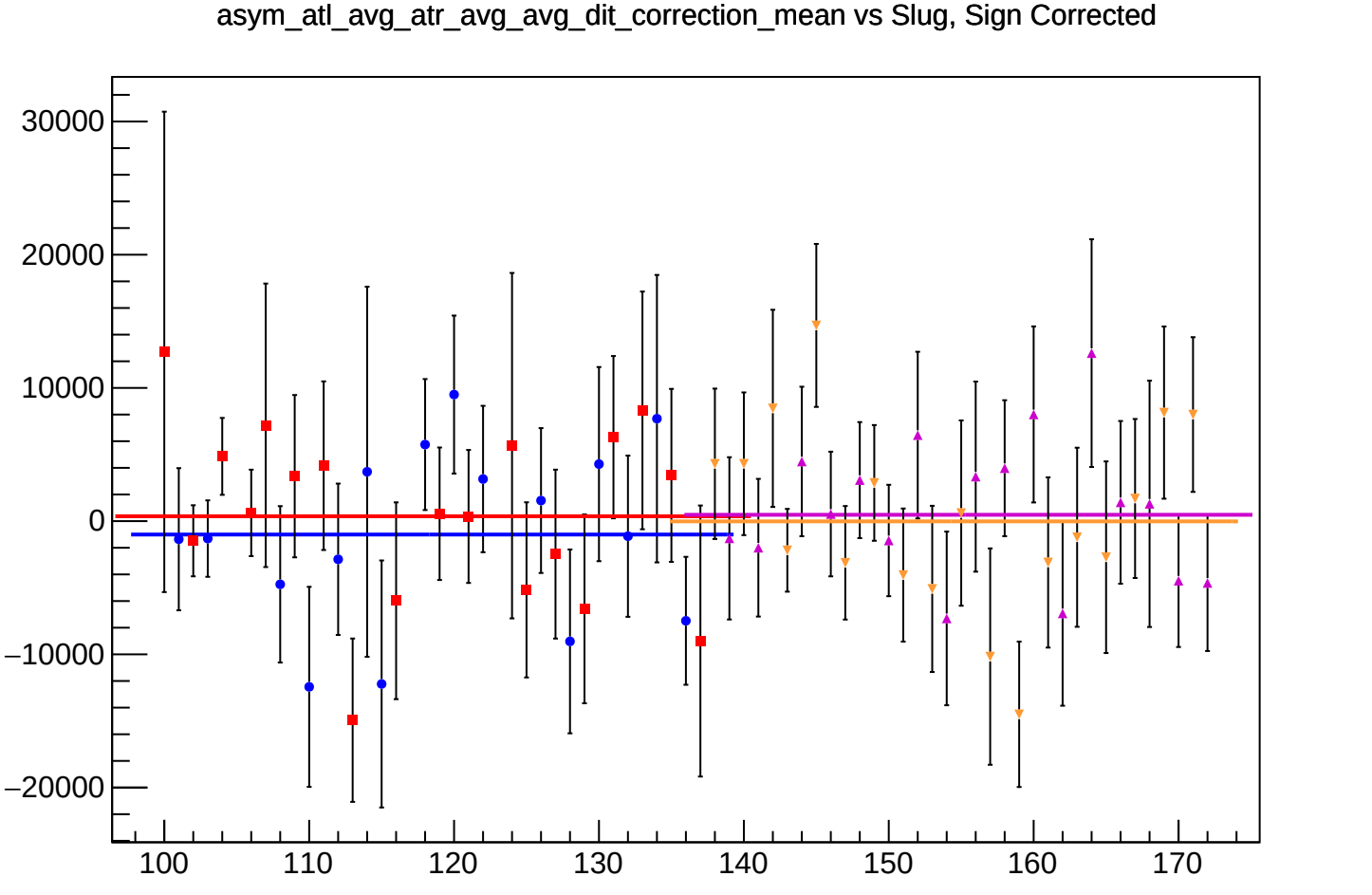
Left: 1322.508+/-0.176 χ^2/NDF: 259007.5/34

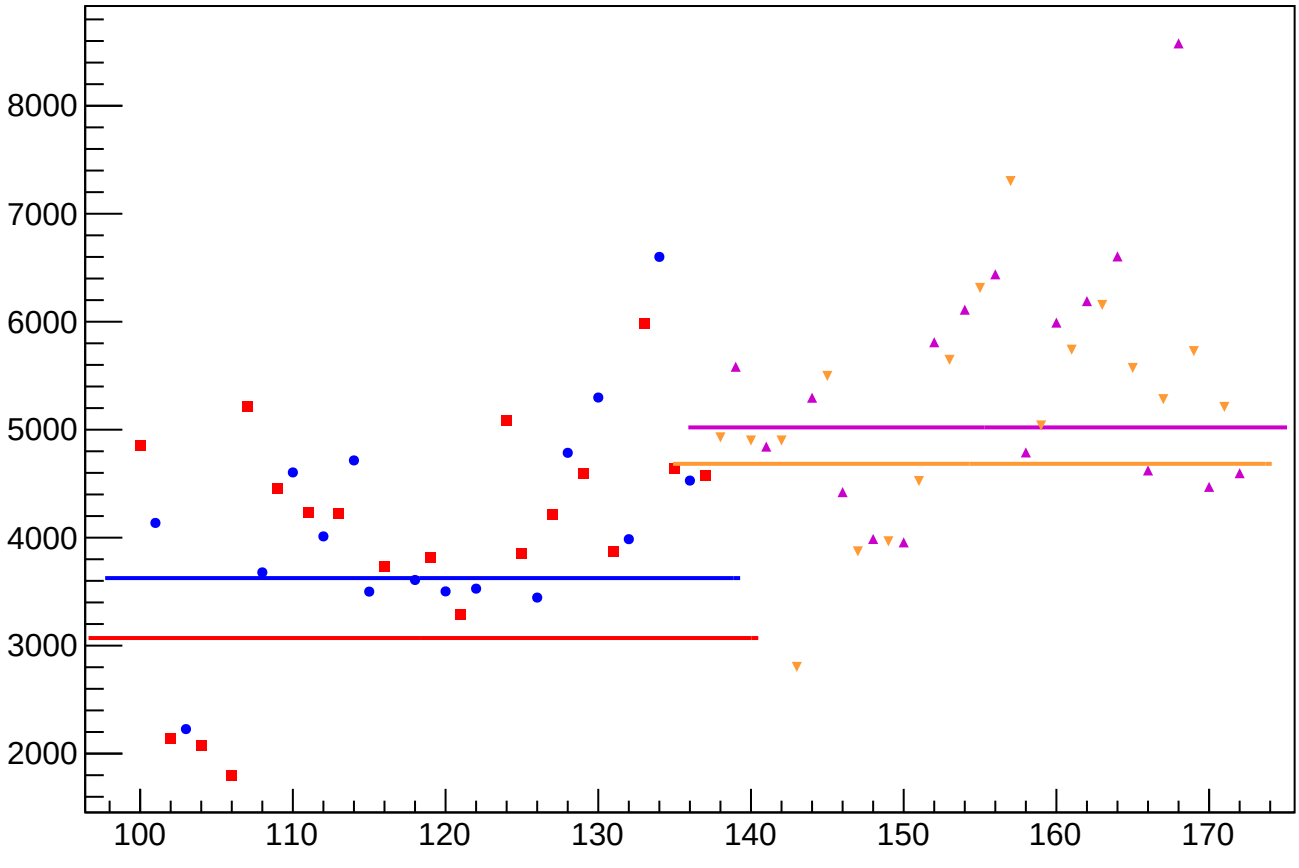
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

In: 1341.738+/-0.207 χ^2/NDF:532325.5/32

Out: 1318.634+/-0.203 χ^2/NDF:492387.8/36

All: 1329.926+/-0.145 χ^2/NDF: 1031074.7/69


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: -18.543+/-1284.944 χ²/NDF:23.7/17
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: 474.844+/-1369.011 χ²/NDF:10.8/16
Left: 212.537+/-936.903 χ²/NDF: 34.6/34
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -247.021+/-980.329 χ²/NDF:26.0/32
Out: 185.657+/-877.995 χ²/NDF:40.0/36
All: -6.928+/-654.034 χ²/NDF: 66.1/69



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4683.909+/-0.909 χ^2/NDF:1549840.7/17

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 5021.056+/-0.968 χ^2/NDF:981633.6/16

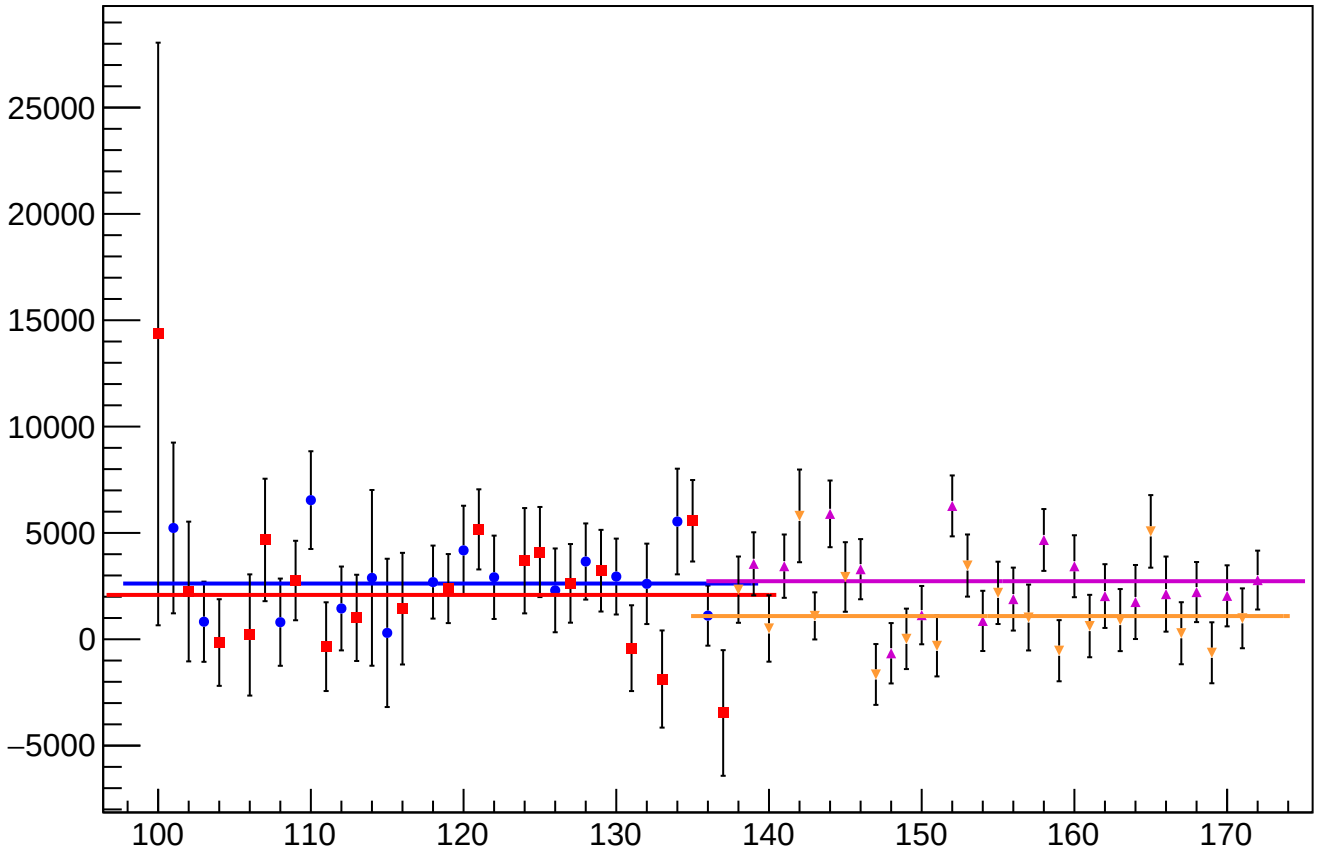
Left: 4841.814+/-0.662 χ^2/NDF: 2595961.9/34

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 4341.117+/-0.693 χ^2/NDF:2939119.6/32

Out: 3823.756+/-0.621 χ^2/NDF:5069614.3/36

All: 4054.033+/-0.462 χ^2/NDF: 8317826.6/69



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1091.180+/-347.866 χ^2/NDF:23.7/17

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 2730.411+/-357.325 χ^2/NDF:23.0/16

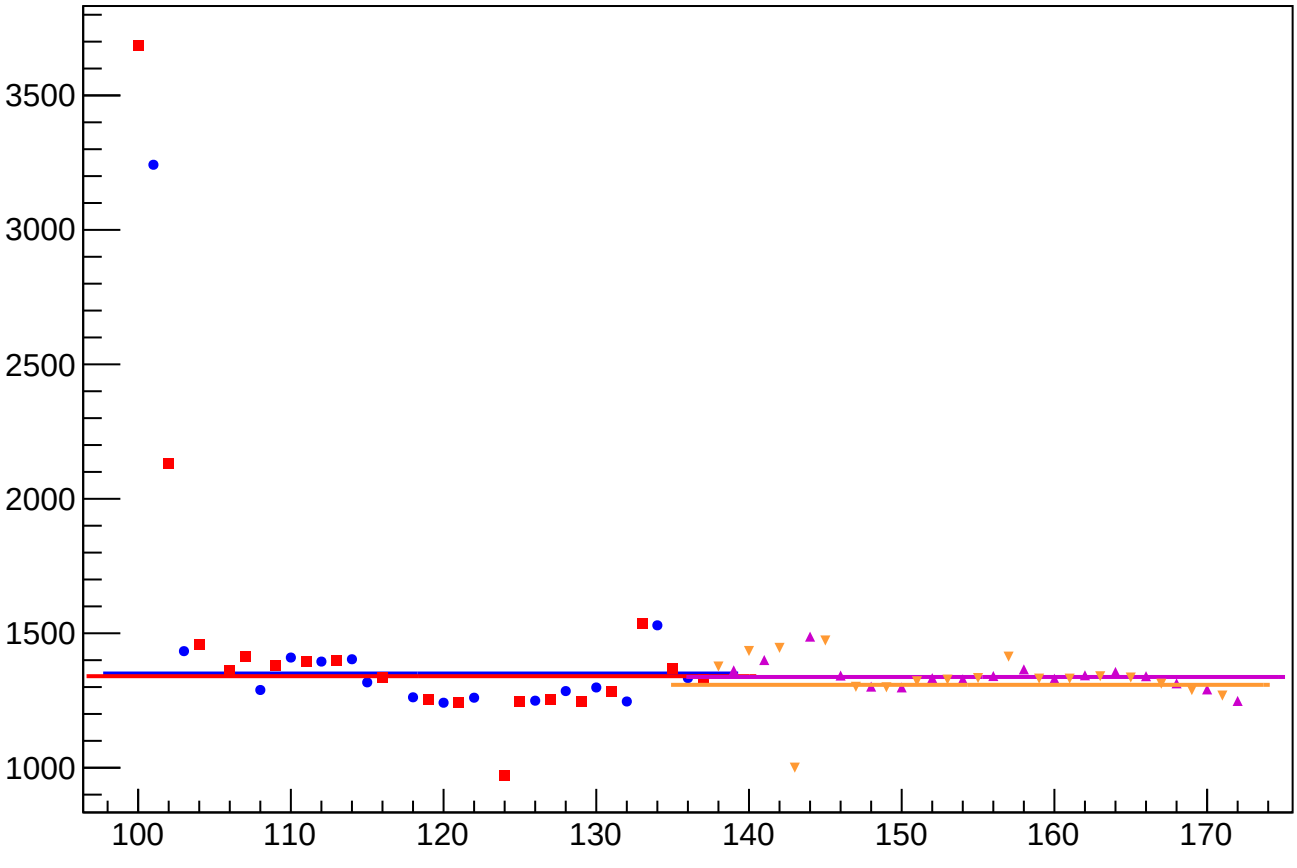
Left: 1888.812+/-249.255 χ^2/NDF: 57.5/34

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2694.377+/-292.929 χ^2/NDF:32.4/32

Out: 1411.303+/-286.453 χ^2/NDF:47.3/36

All: 2038.501+/-204.804 χ^2/NDF: 89.5/69



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1308.275+/-0.246 χ^2/NDF:214699.8/17

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1337.528+/-0.253 χ^2/NDF:37428.1/16

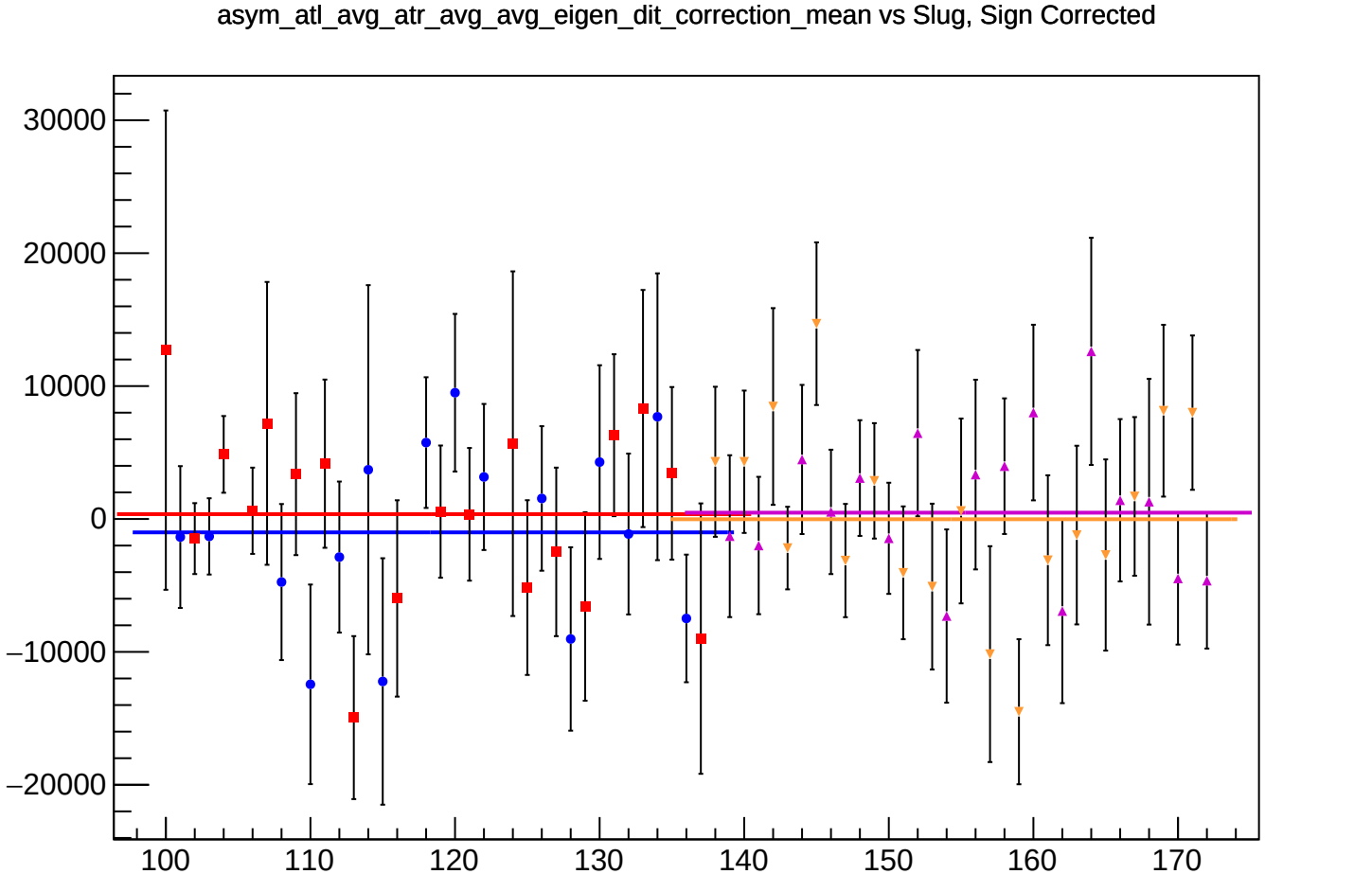
Left: 1322.509+/-0.176 χ^2/NDF: 259009.5/34

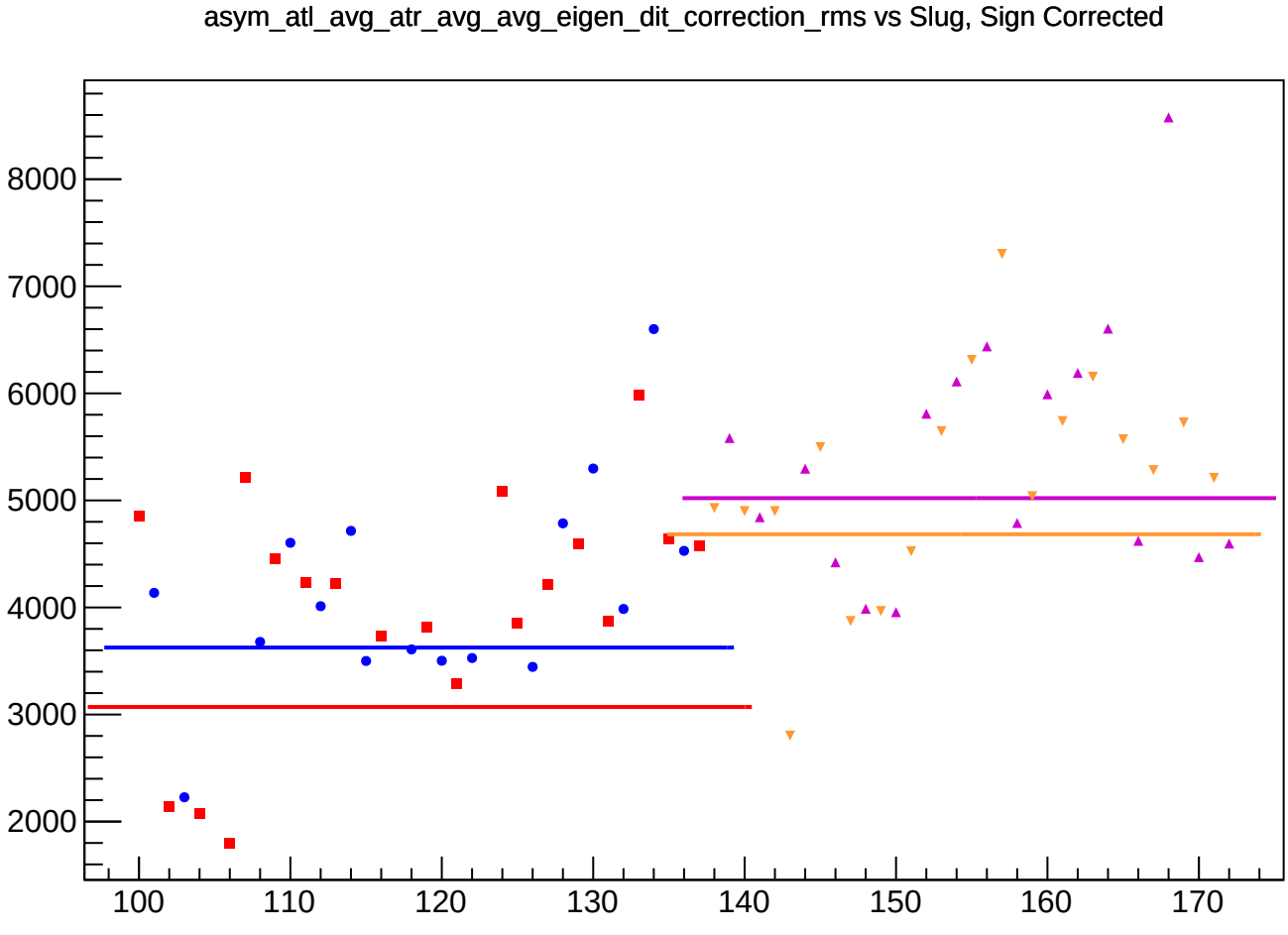
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

In: 1341.739+/-0.207 χ^2/NDF:532326.3/32

Out: 1318.635+/-0.203 χ^2/NDF:492387.3/36

All: 1329.926+/-0.145 χ^2/NDF: 1031075.0/69


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: -18.547+/-1284.946 χ²/NDF:23.7/17
Right Out: 364.495+/-1202.495 χ²/NDF: 16.2/18
Left In: 474.843+/-1369.013 χ²/NDF:10.8/16
Left: 212.535+/-936.905 χ²/NDF: 34.6/34
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: -247.020+/-980.329 χ²/NDF:26.0/32
Out: 185.657+/-877.995 χ²/NDF:40.0/36
All: -6.927+/-654.033 χ²/NDF: 66.1/69



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4683.916+/-0.909 χ^2/NDF:1549841.2/17

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 5021.063+/-0.968 χ^2/NDF:981635.4/16

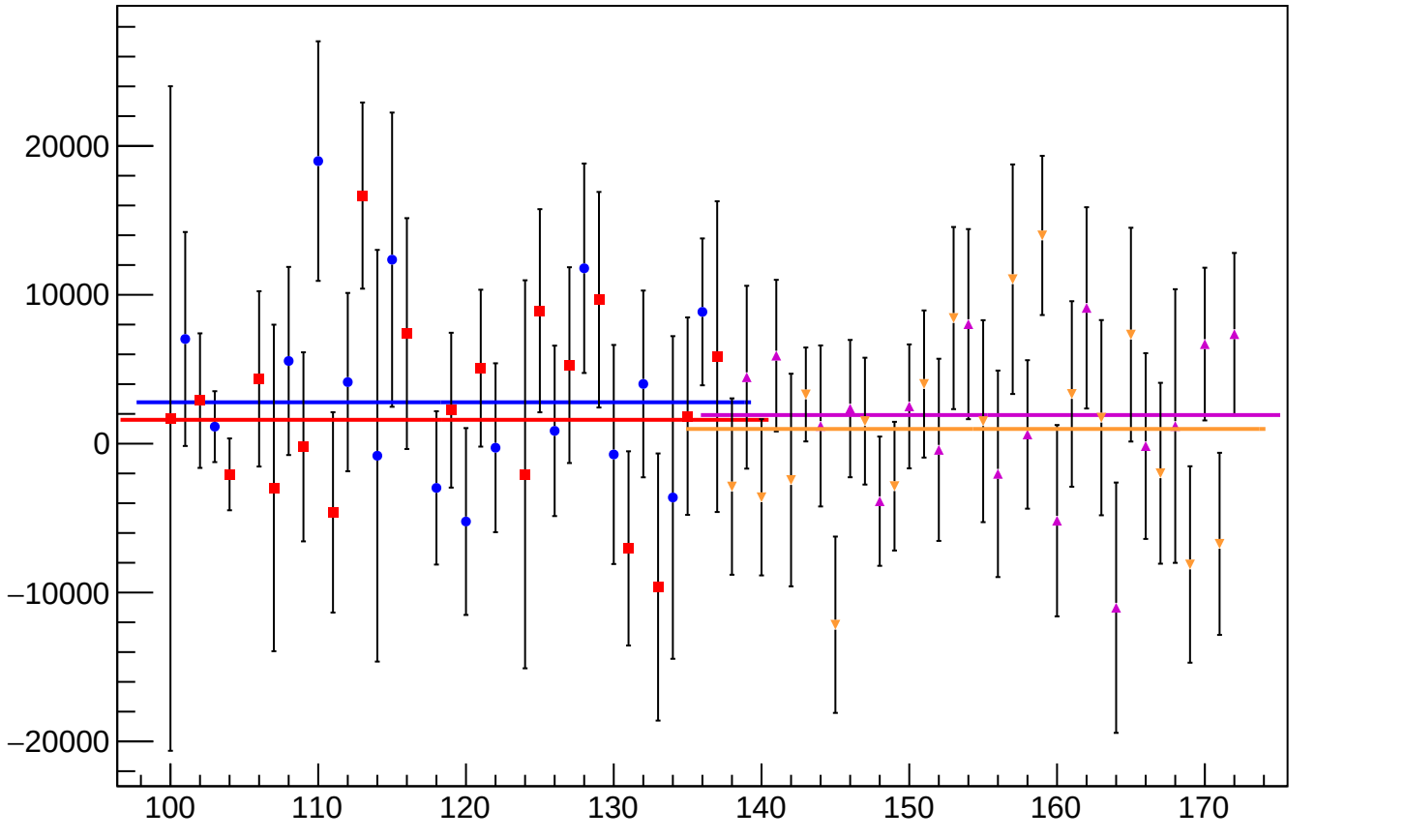
Left: 4841.821+/-0.662 χ^2/NDF: 2595964.0/34

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 4341.114+/-0.693 χ^2/NDF:2939148.0/32

Out: 3823.752+/-0.621 χ^2/NDF:5069651.9/36

All: 4054.029+/-0.462 χ^2/NDF: 8317894.3/69



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 987.925+/-1281.992 χ^2/NDF:21.8/17

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 1923.667+/-1362.417 χ^2/NDF:10.8/16

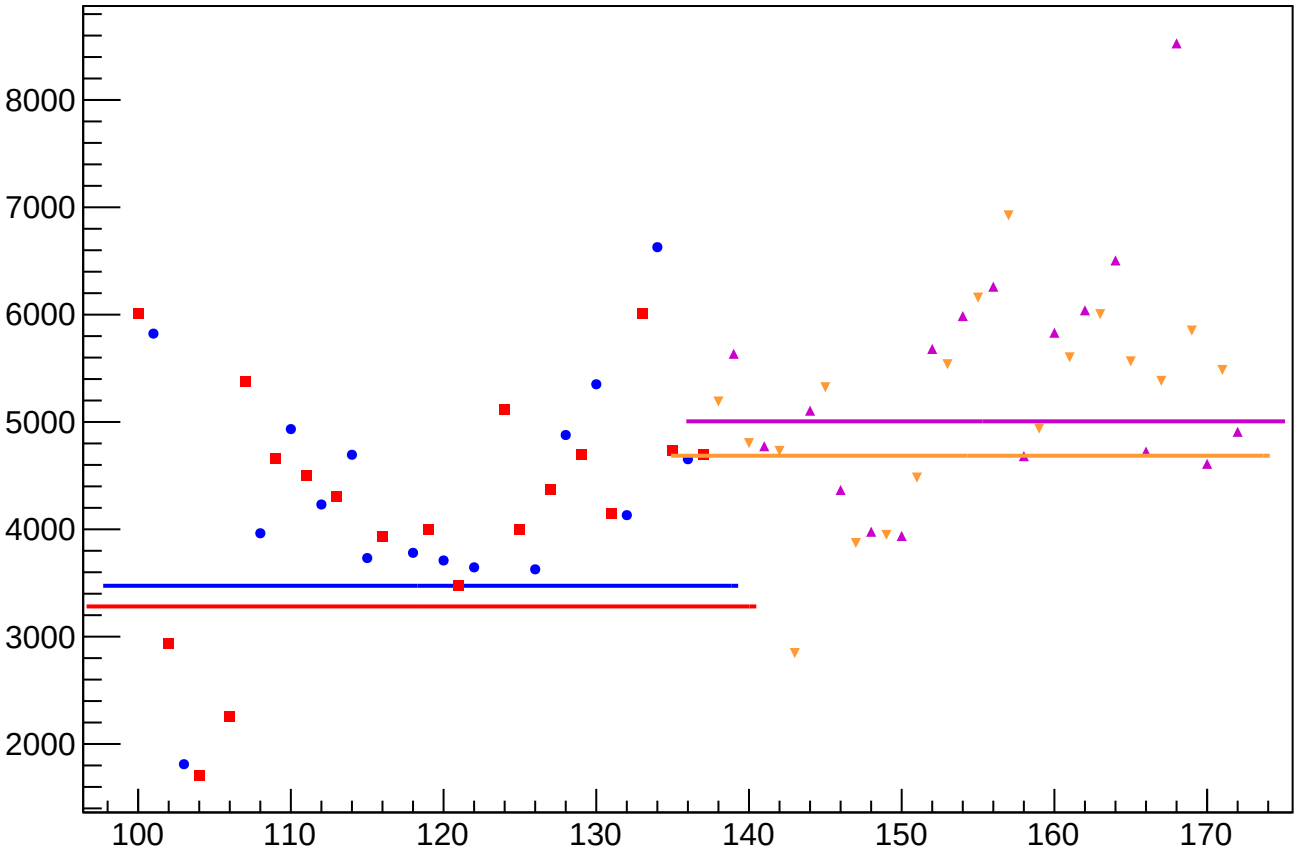
Left: 1427.363+/-933.643 χ^2/NDF: 32.9/34

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2343.856+/-972.788 χ^2/NDF:24.1/32

Out: 1282.366+/-925.347 χ^2/NDF:38.8/36

All: 1786.597+/-670.463 χ^2/NDF: 63.5/69



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4685.601+/-0.907 χ^2/NDF:1436191.2/17

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 5005.955+/-0.963 χ^2/NDF:907177.8/16

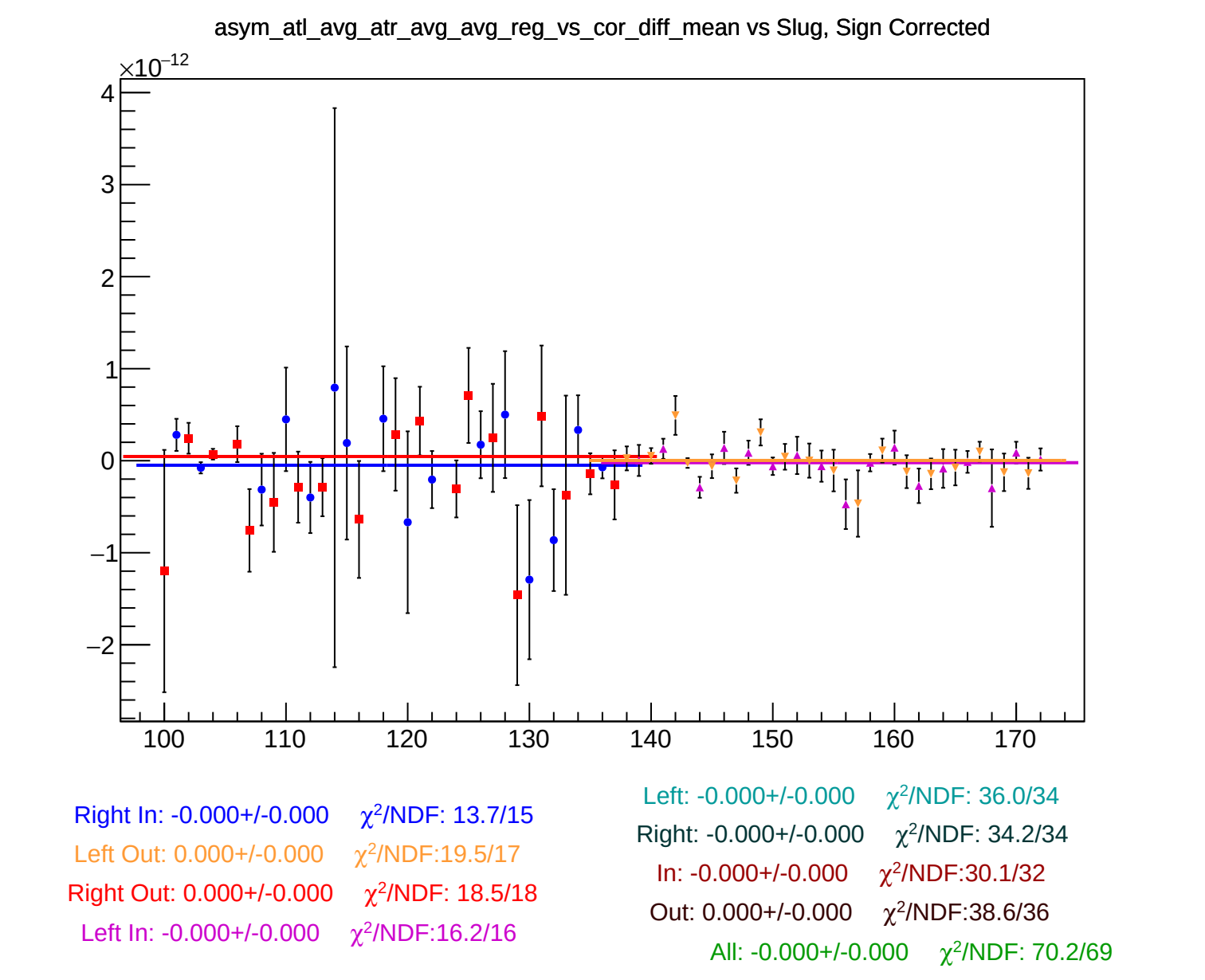
Left: 4836.044+/-0.660 χ^2/NDF: 2402018.4/34

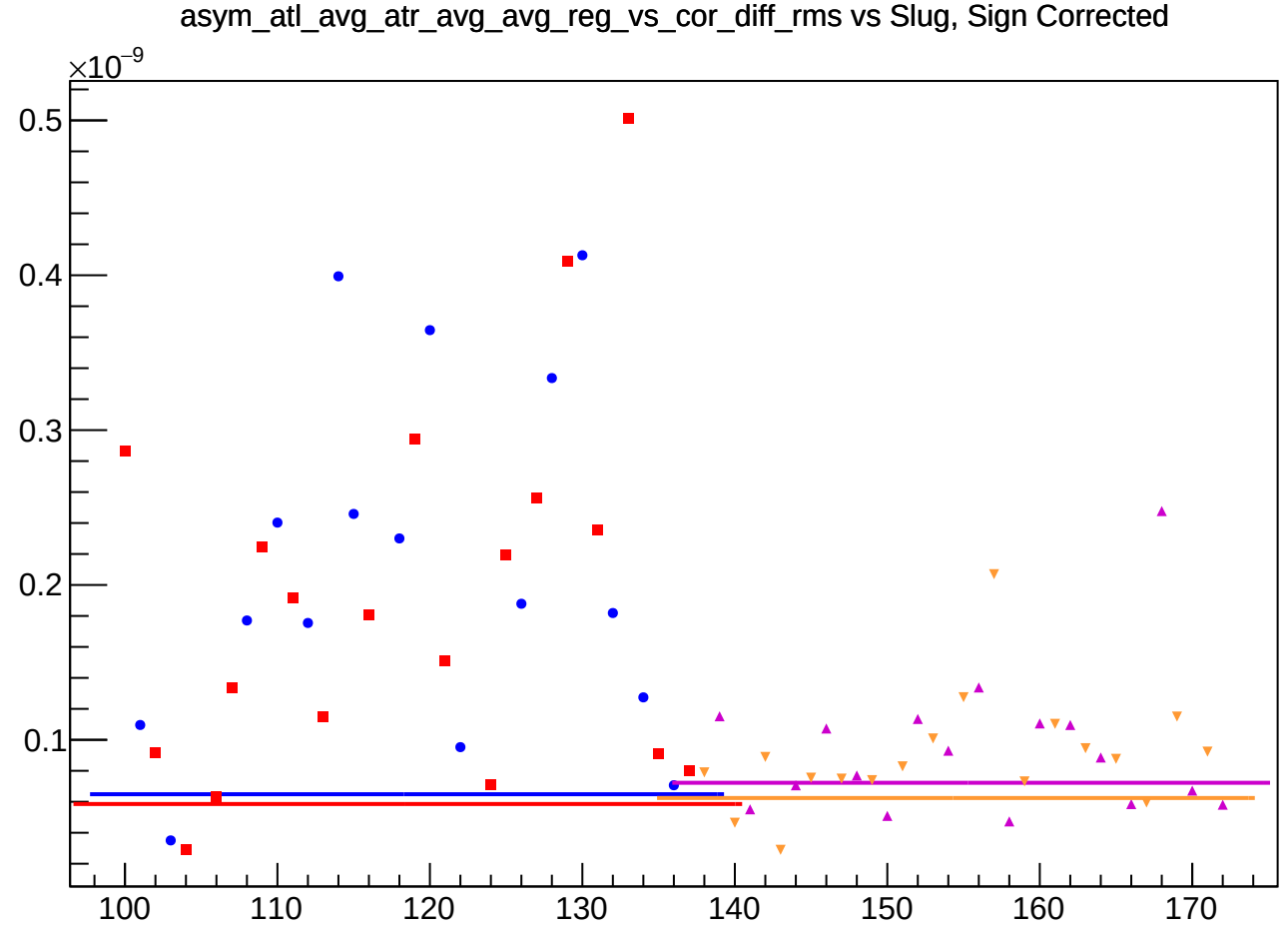
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 4254.963+/-0.688 χ^2/NDF:3990852.2/32

Out: 4003.379+/-0.650 χ^2/NDF:4477394.6/36

All: 4122.055+/-0.472 χ^2/NDF: 8538916.7/69


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:19.5/17
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: 36.0/34
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:38.6/36
All: -0.000+/-0.000 χ²/NDF: 70.2/69



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2065185.0/17

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: 3463810.3/34

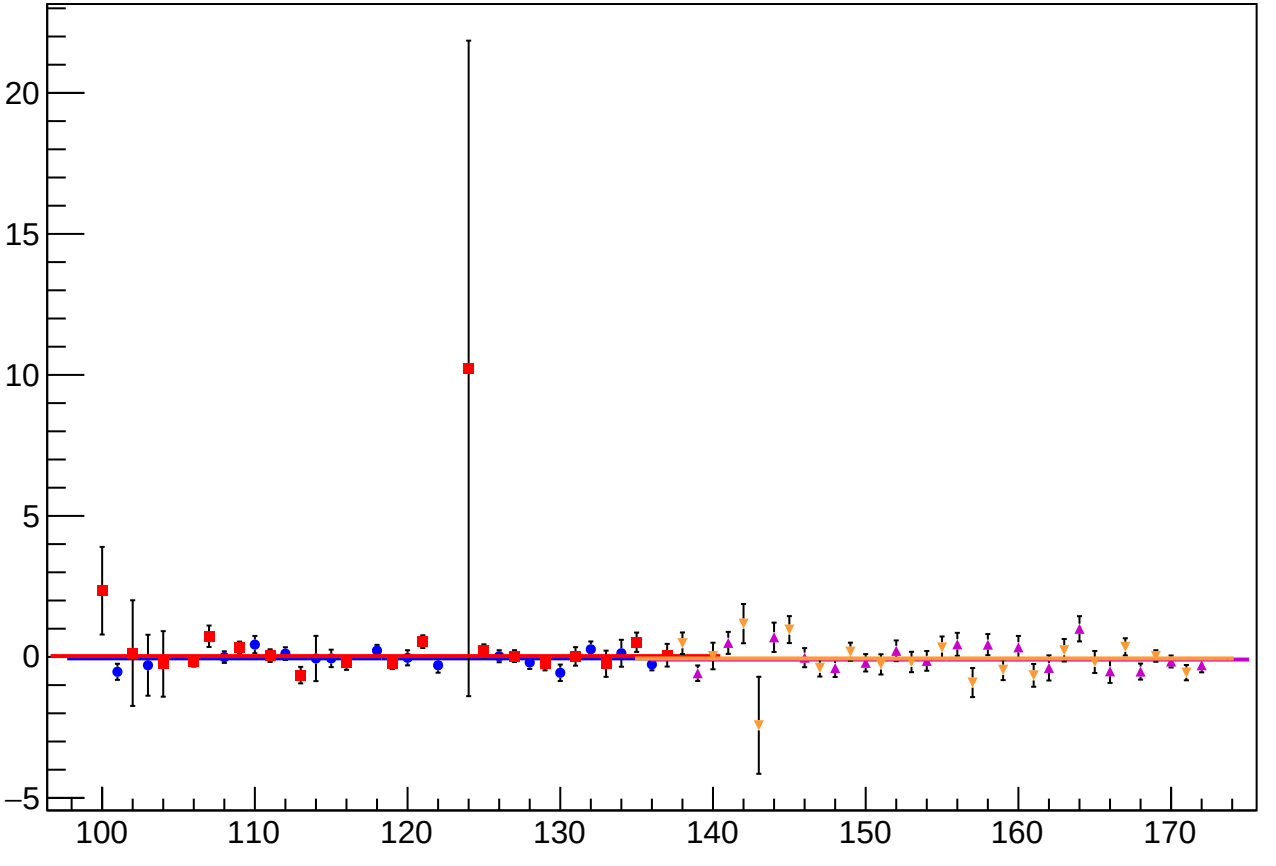
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:3926463.8/32

Out: 0.000+/-0.000 χ^2/NDF:4929877.2/36

All: 0.000+/-0.000 χ^2/NDF: 8959916.3/69

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: -0.055+/-0.085 χ^2/NDF:27.1/17

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: -0.075+/-0.058 χ^2/NDF: 52.0/34

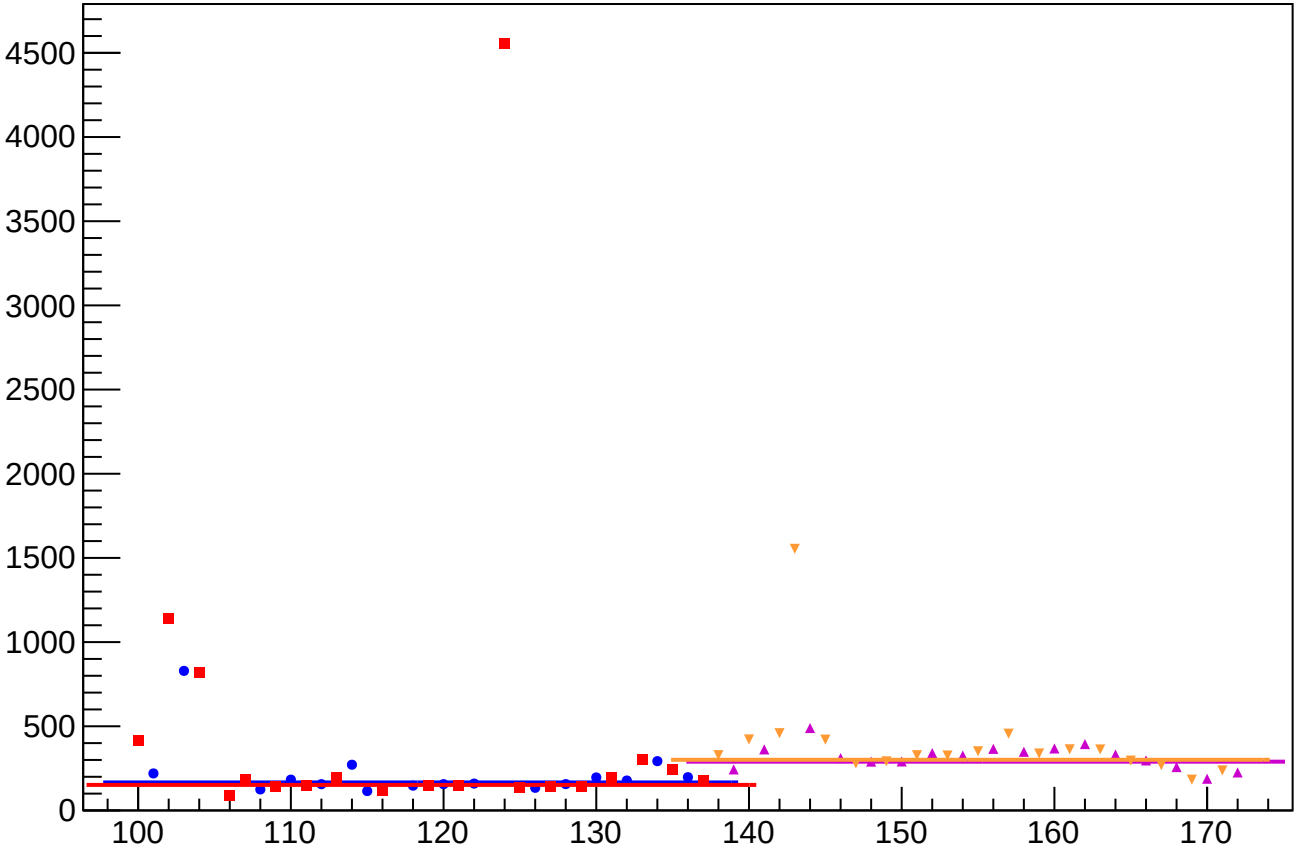
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.069+/-0.051 χ^2/NDF:39.9/32

Out: -0.001+/-0.051 χ^2/NDF:55.3/36

All: -0.035+/-0.036 χ^2/NDF: 96.0/69

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: 301.035+/-0.060 χ^2/NDF:2586225.5/17

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: 295.124+/-0.041 χ^2/NDF: 4025915.9/34

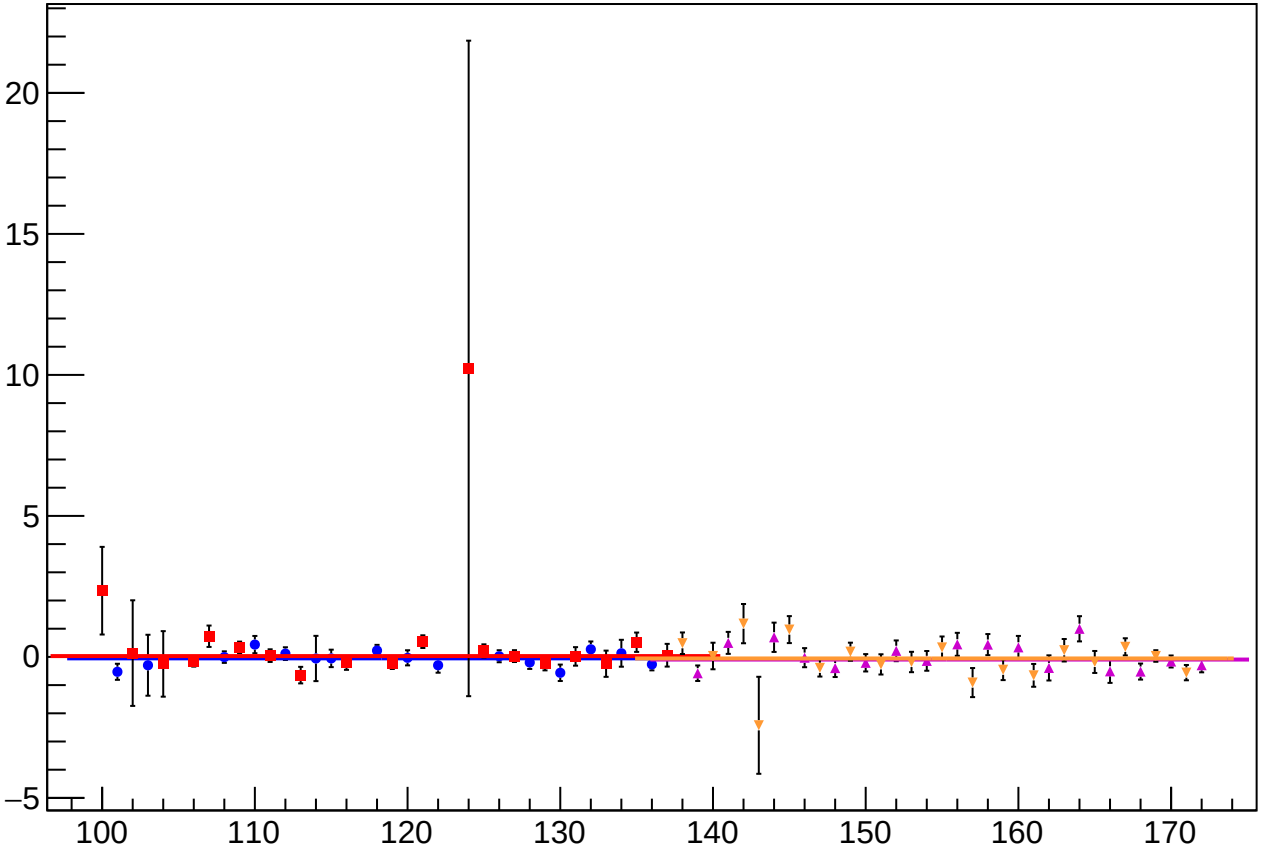
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 216.481+/-0.036 χ^2/NDF:5482538.0/32

Out: 205.913+/-0.036 χ^2/NDF:8843119.8/36

All: 211.165+/-0.026 χ^2/NDF: 14368147.9/69

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: -0.055+/-0.085 χ^2/NDF:27.1/17

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: -0.075+/-0.058 χ^2/NDF: 52.0/34

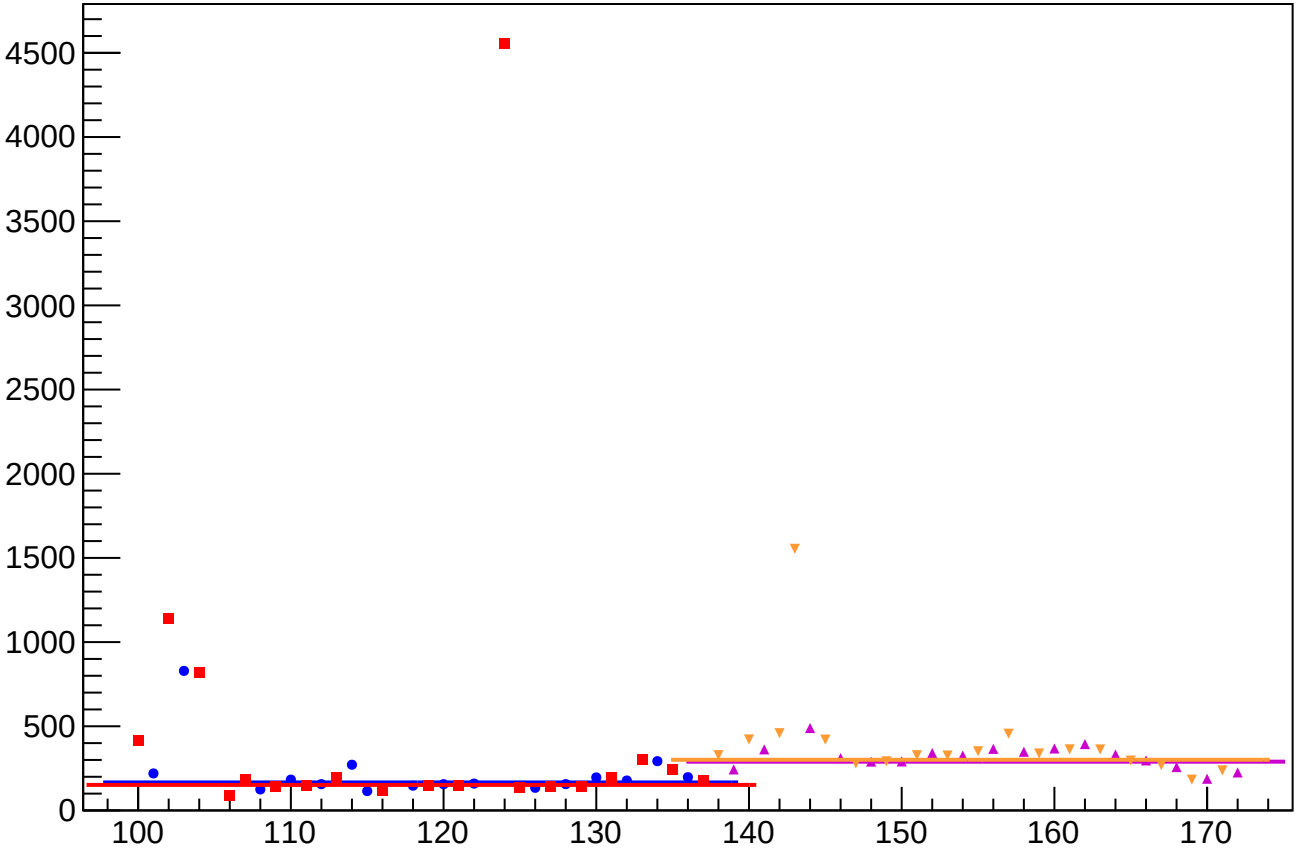
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.069+/-0.051 χ^2/NDF:39.9/32

Out: -0.001+/-0.051 χ^2/NDF:55.3/36

All: -0.035+/-0.036 χ^2/NDF: 96.0/69

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: 301.035+/-0.060 χ^2/NDF:2586225.5/17

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 289.781+/-0.057 χ^2/NDF:1421221.9/16

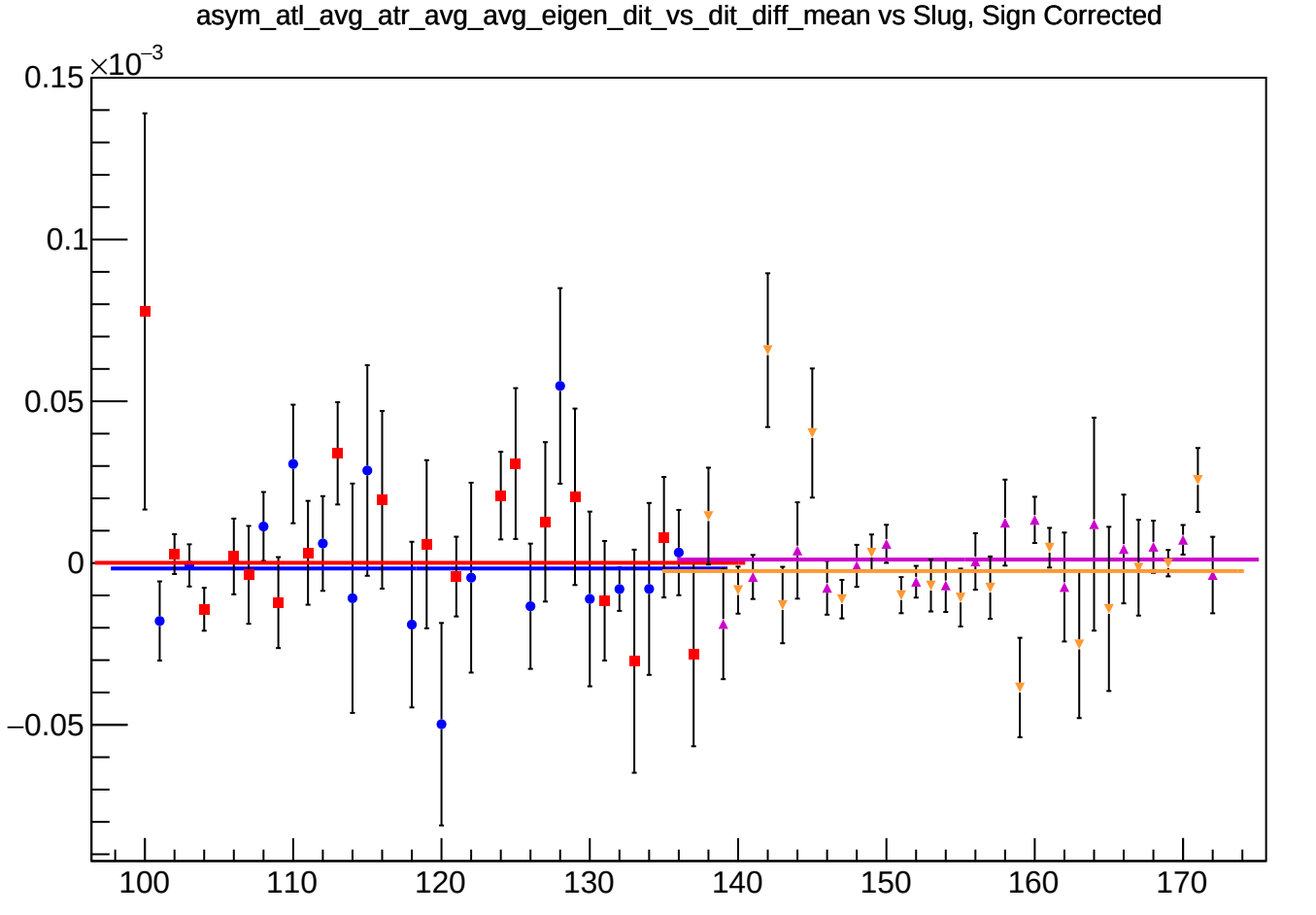
Left: 295.124+/-0.041 χ^2/NDF: 4025915.9/34

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 216.481+/-0.036 χ^2/NDF:5482538.0/32

Out: 205.913+/-0.036 χ^2/NDF:8843119.8/36

All: 211.165+/-0.026 χ^2/NDF: 14368147.9/69



Right In: -0.000+/-0.000 χ^2/NDF: 15.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:13.1/16

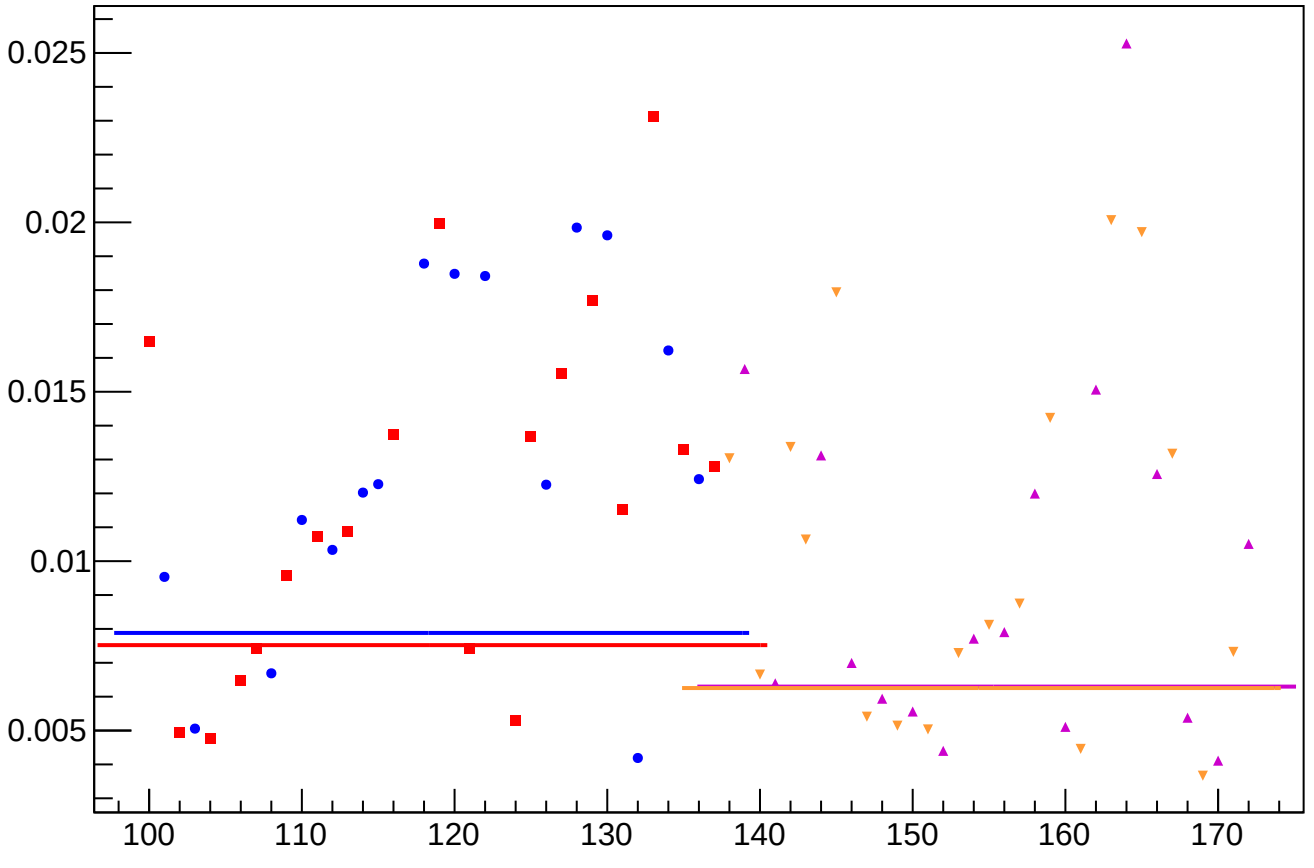
Left: -0.000+/-0.000 χ^2/NDF: 53.3/34

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:58.8/36

All: -0.000+/-0.000 χ^2/NDF: 88.8/69



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:5294501.0/17

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.006+/-0.000 χ^2/NDF:4148594.2/16

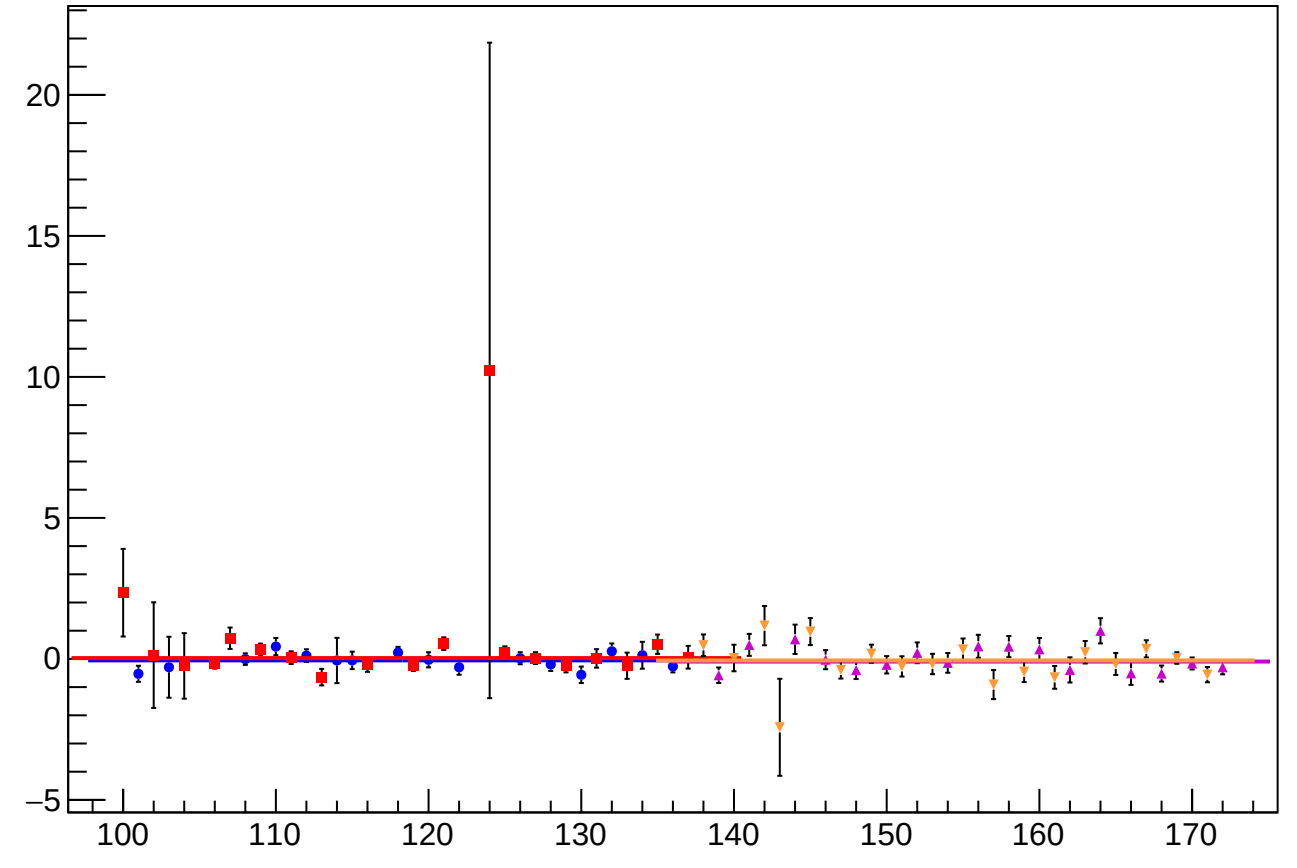
Left: 0.006+/-0.000 χ^2/NDF: 9443596.8/34

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:8508088.8/36

All: 0.007+/-0.000 χ^2/NDF: 16289717.6/69



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.055+/-0.085 χ^2/NDF:27.1/17

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: -0.075+/-0.058 χ^2/NDF: 52.0/34

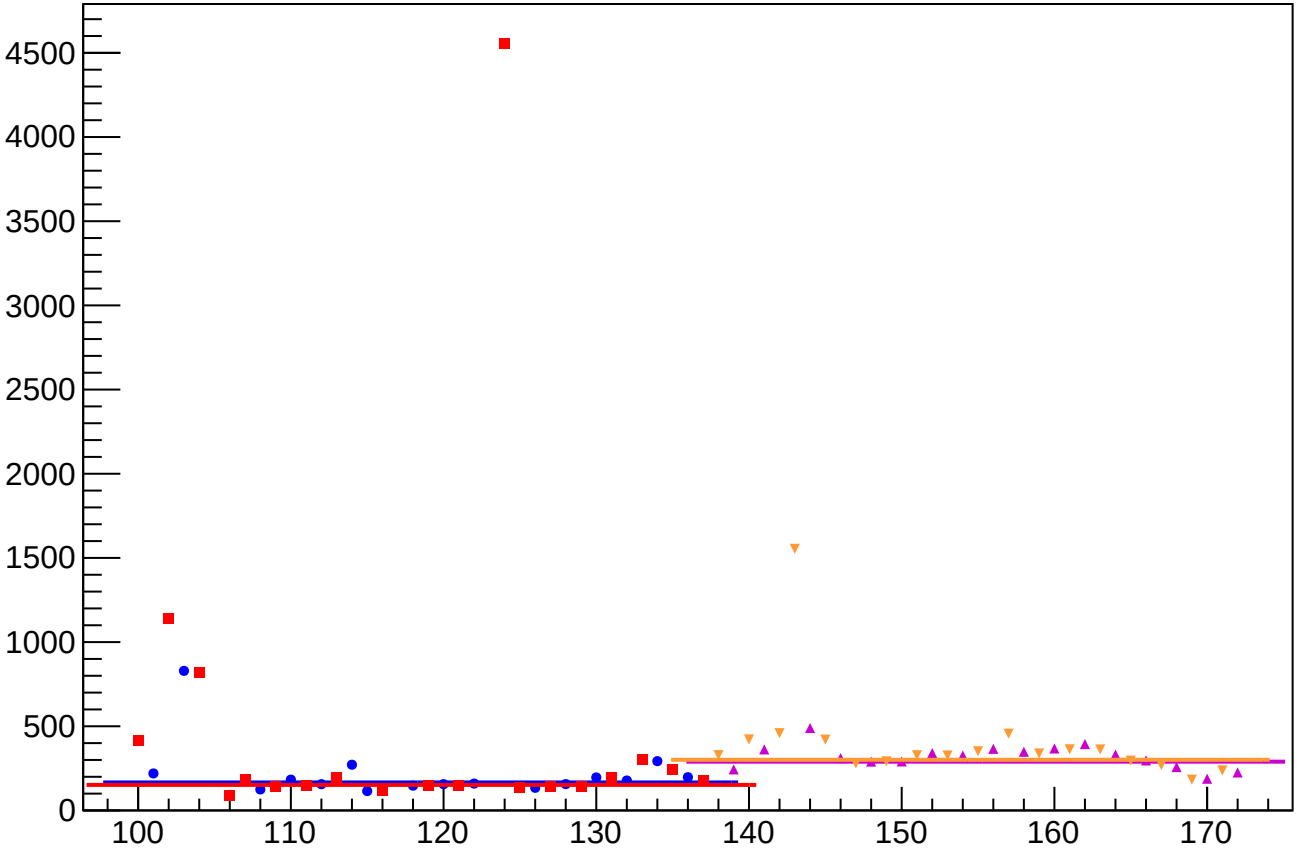
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.069+/-0.051 χ^2/NDF:39.9/32

Out: -0.001+/-0.051 χ^2/NDF:55.3/36

All: -0.035+/-0.036 χ^2/NDF: 96.0/69

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: 301.037+/-0.060 χ^2/NDF:2586333.5/17

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: 295.126+/-0.041 χ^2/NDF: 4026110.5/34

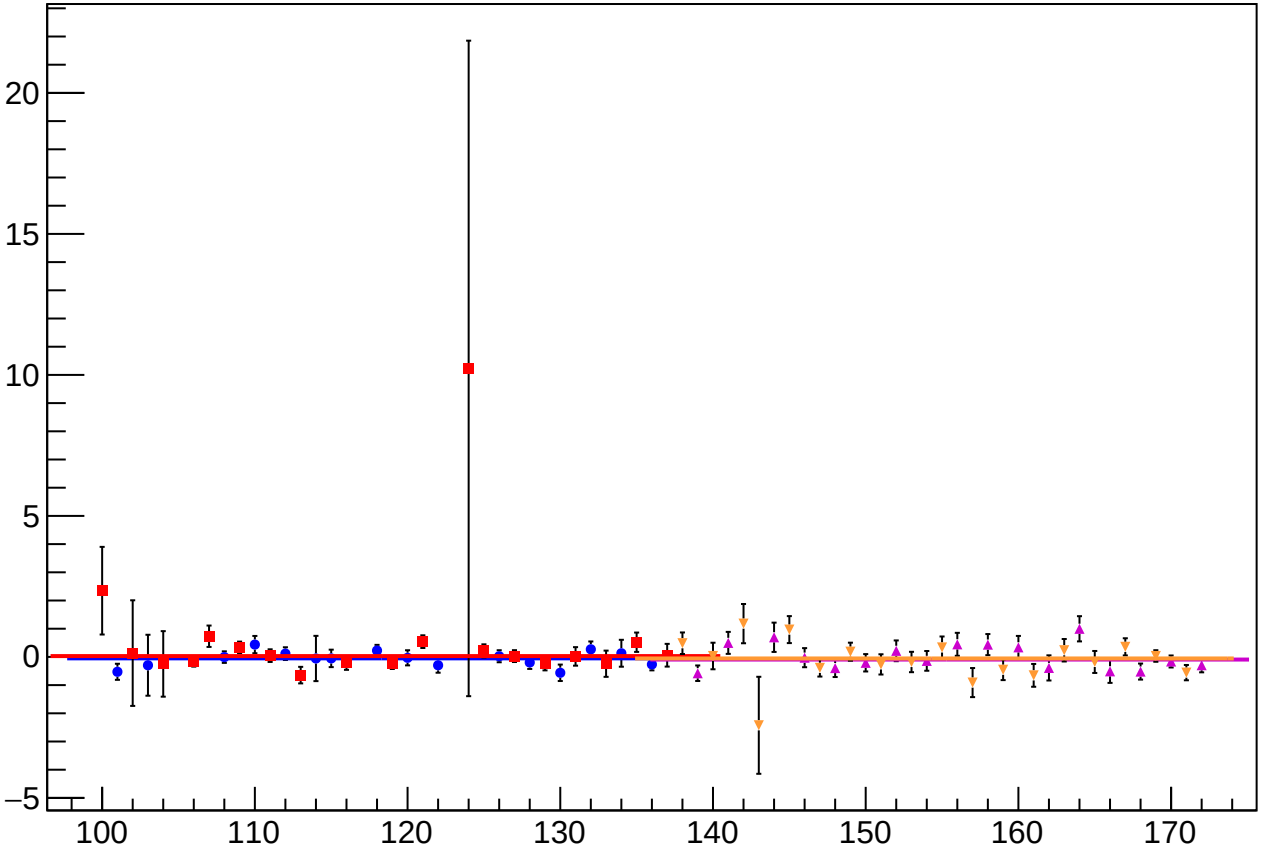
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 216.480+/-0.036 χ^2/NDF:5482723.6/32

Out: 205.912+/-0.036 χ^2/NDF:8843368.9/36

All: 211.164+/-0.026 χ^2/NDF: 14368589.7/69

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: -0.055+/-0.085 χ^2/NDF:27.1/17

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: -0.075+/-0.058 χ^2/NDF: 52.0/34

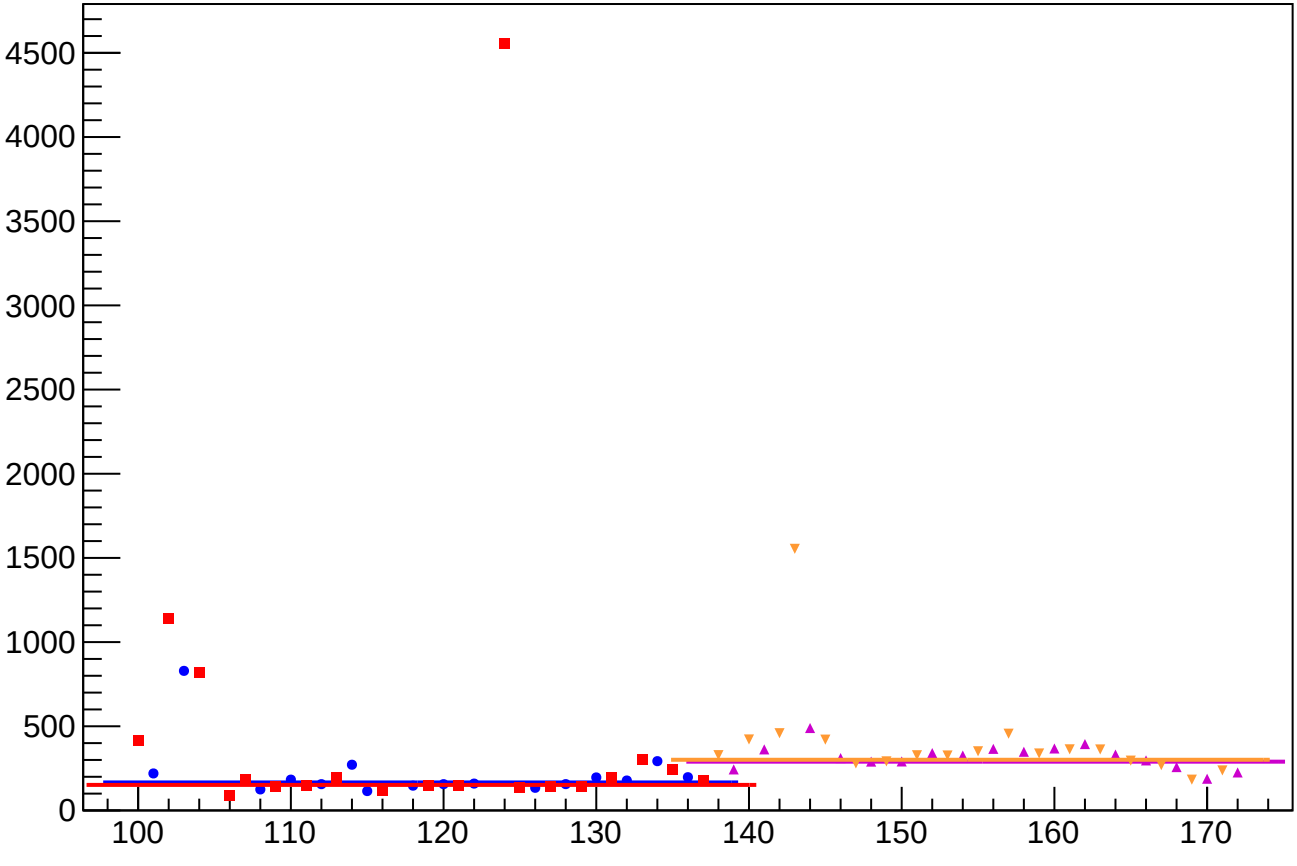
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.069+/-0.051 χ^2/NDF:39.9/32

Out: -0.001+/-0.051 χ^2/NDF:55.3/36

All: -0.035+/-0.036 χ^2/NDF: 96.0/69

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: 301.037+/-0.060 χ^2/NDF:2586333.5/17

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 289.783+/-0.057 χ^2/NDF:1421310.0/16

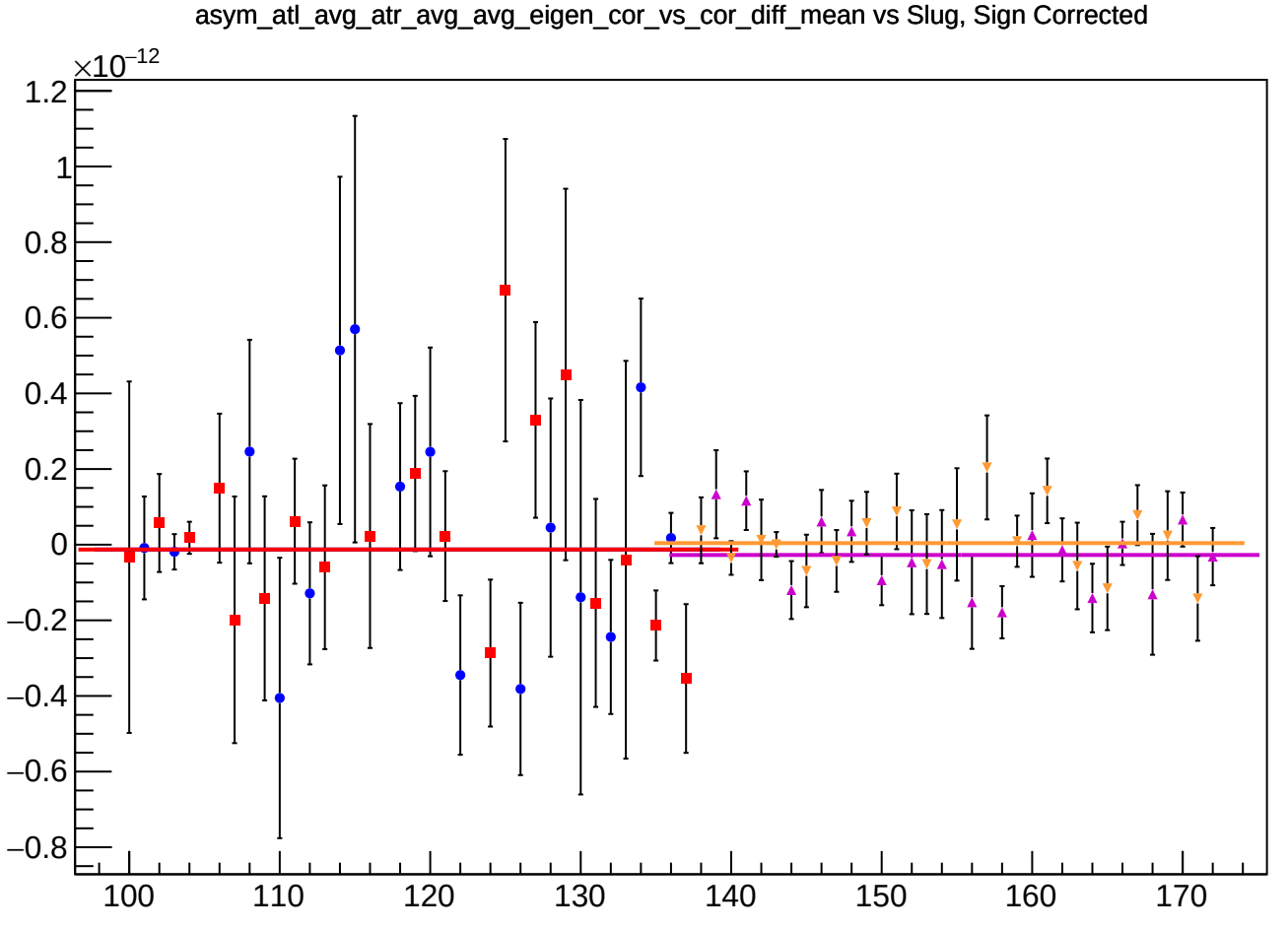
Left: 295.126+/-0.041 χ^2/NDF: 4026110.5/34

Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 216.480+/-0.036 χ^2/NDF:5482723.6/32

Out: 205.912+/-0.036 χ^2/NDF:8843368.9/36

All: 211.164+/-0.026 χ^2/NDF: 14368589.7/69



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.1/17

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:19.7/16

Left: -0.000+/-0.000 χ^2/NDF: 33.1/34

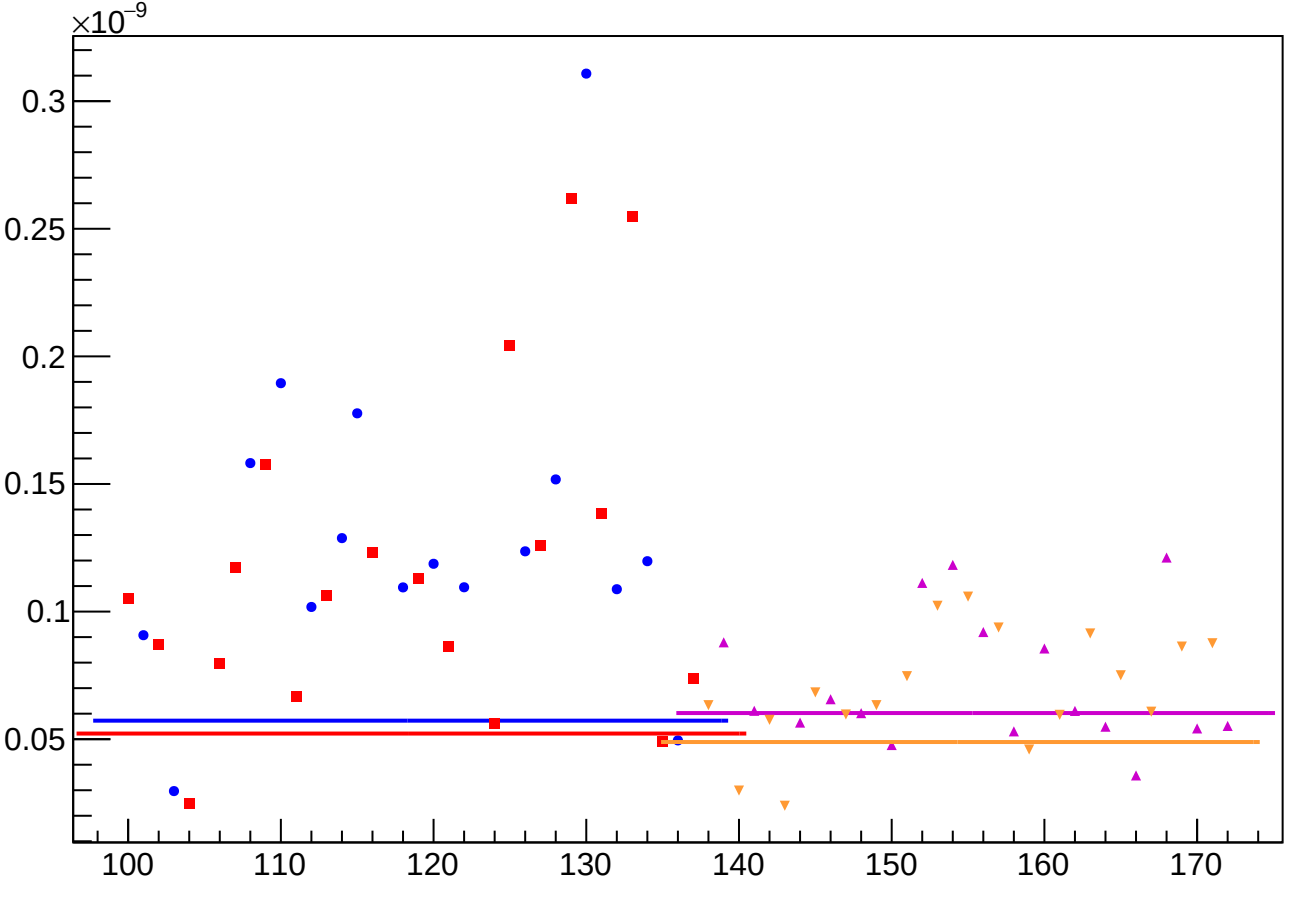
Right: -0.000+/-0.000 χ^2/NDF: 35.0/34

In: -0.000+/-0.000 χ^2/NDF:36.0/32

Out: 0.000+/-0.000 χ^2/NDF:31.2/36

All: -0.000+/-0.000 χ^2/NDF: 68.1/69

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2983121.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:3660915.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3287828.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1750581.8/16

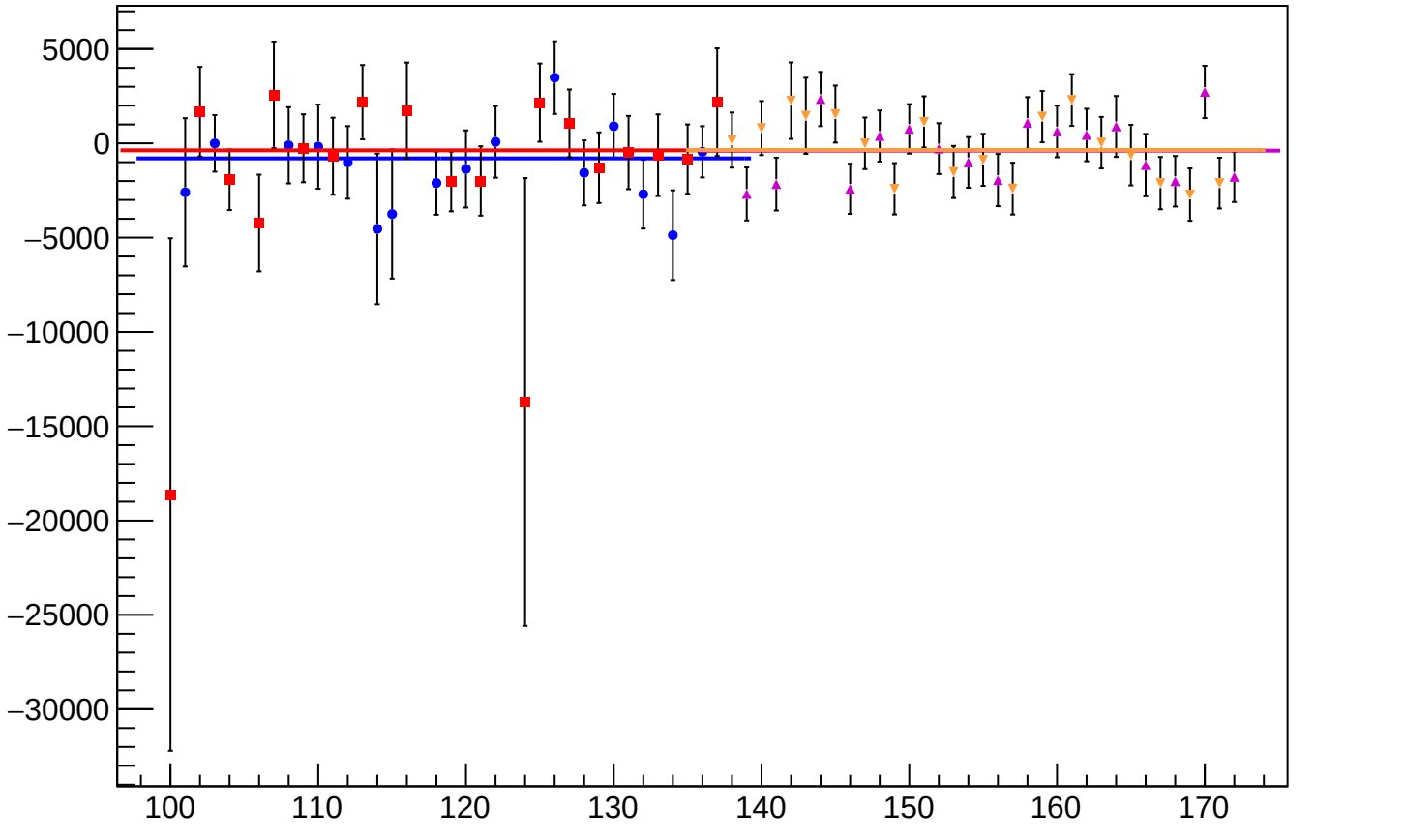
Left: 0.000+/-0.000 χ^2/NDF: 5760506.1/34

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:6965556.9/36

All: 0.000+/-0.000 χ^2/NDF: 12058099.7/69



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -353.302+/-339.646 χ^2/NDF:23.2/17

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -387.171+/-337.229 χ^2/NDF:23.3/16

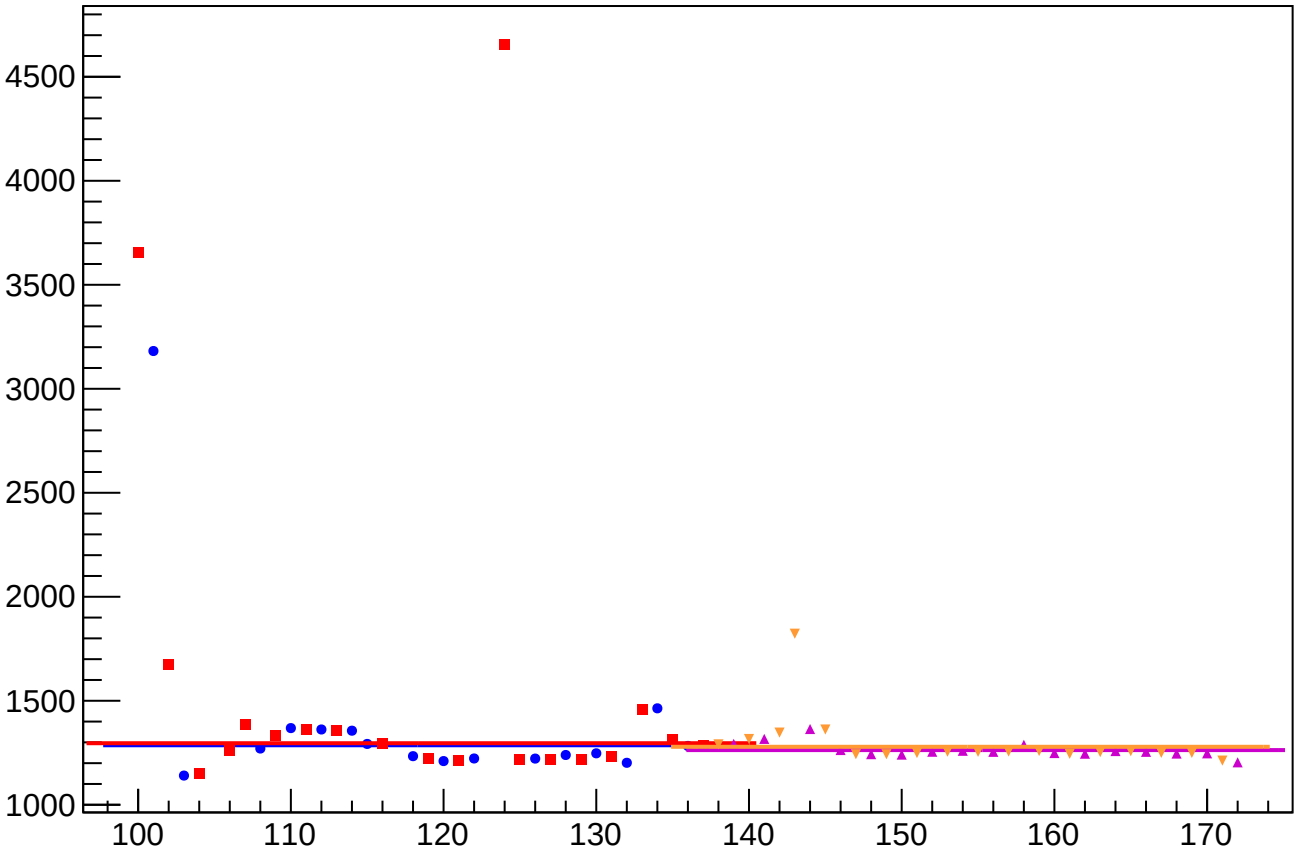
Left: -370.357+/-239.307 χ^2/NDF: 46.5/34

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -519.920+/-277.330 χ^2/NDF:37.2/32

Out: -358.787+/-278.365 χ^2/NDF:38.8/36

All: -439.654+/-196.467 χ^2/NDF: 76.2/69



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1278.733+/-0.240 χ^2/NDF:170006.9/17

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: 1270.758+/-0.169 χ^2/NDF: 192851.3/34

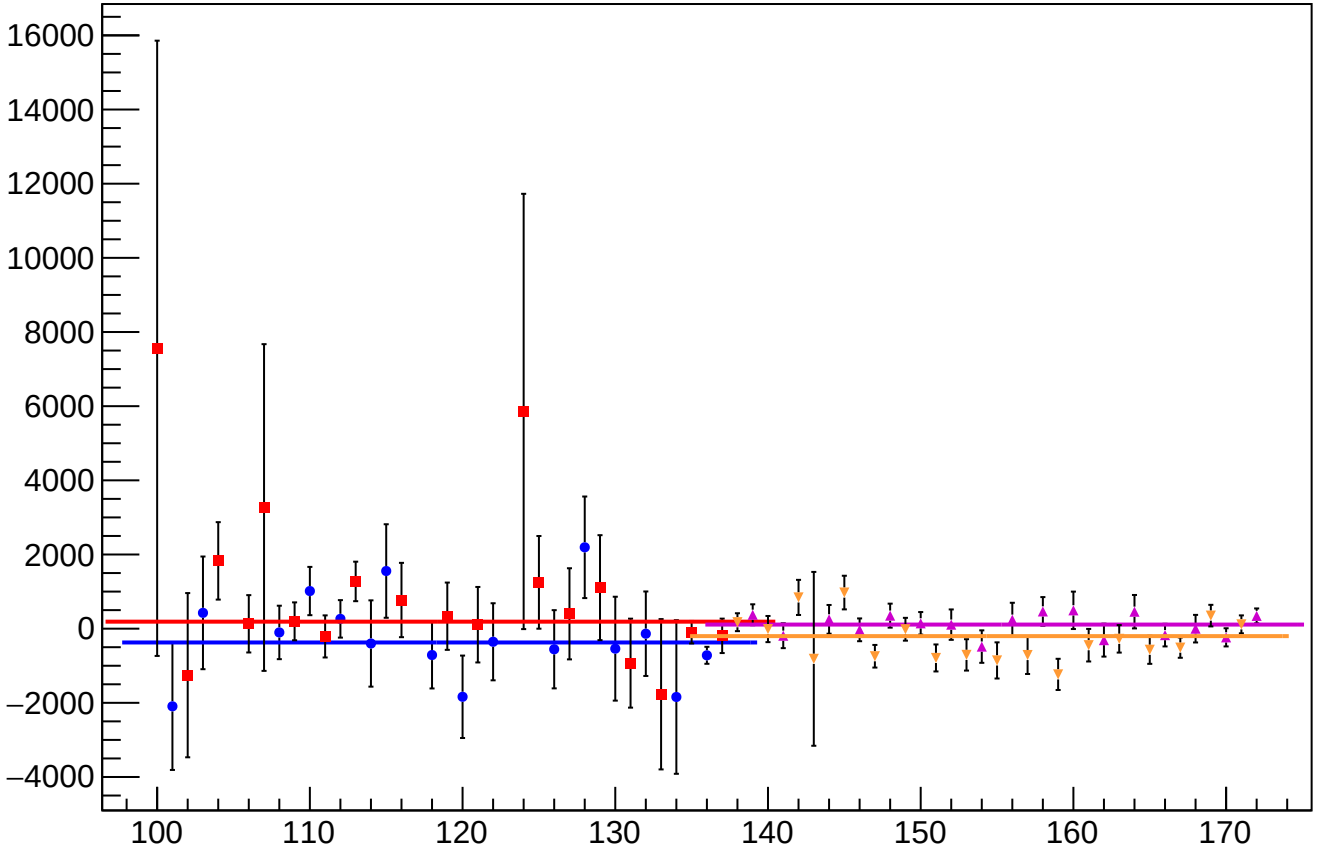
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1270.406+/-0.196 χ^2/NDF:541845.8/32

Out: 1284.383+/-0.197 χ^2/NDF:499762.6/36

All: 1277.368+/-0.139 χ^2/NDF: 1044139.1/69

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: -201.069+/-83.193 χ^2/NDF:38.7/17

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: -39.807+/-57.765 χ^2/NDF: 57.6/34

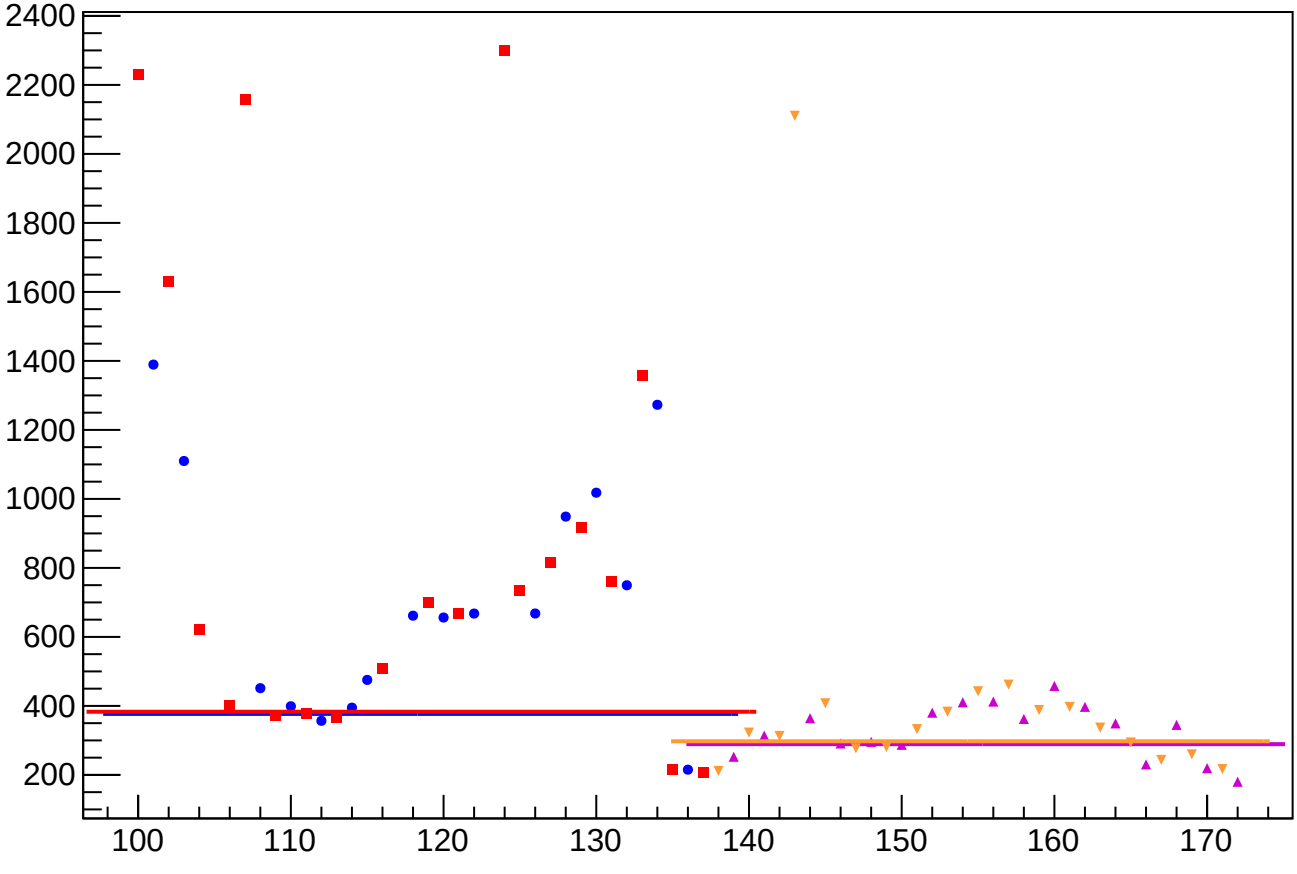
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 20.796+/-72.444 χ^2/NDF:36.6/32

Out: -125.410+/-74.689 χ^2/NDF:57.6/36

All: -50.077+/-52.001 χ^2/NDF: 96.1/69

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: 297.487+/-0.059 χ^2/NDF:2630093.9/17

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 289.152+/-0.057 χ^2/NDF:1840420.2/16

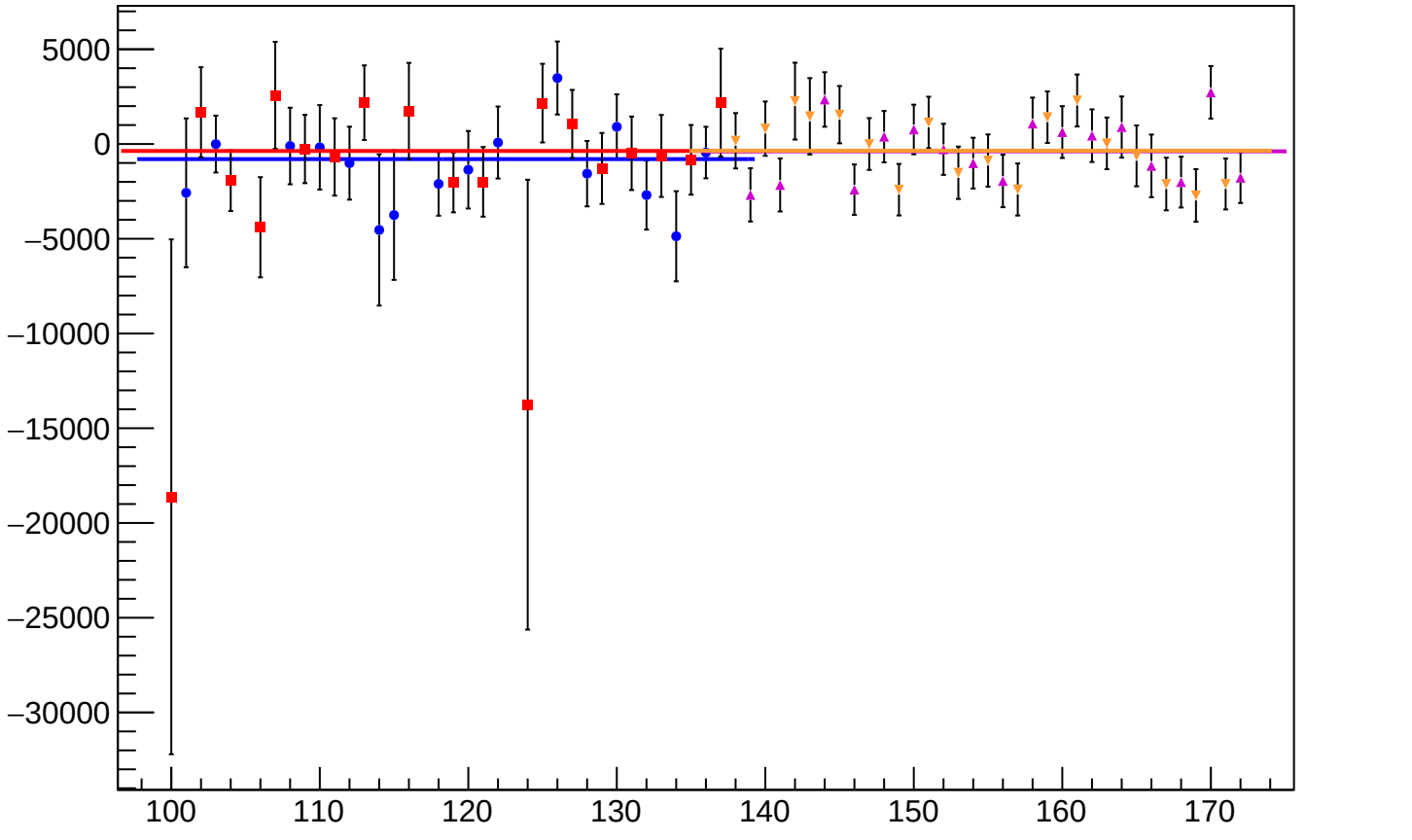
Left: 293.171+/-0.041 χ^2/NDF: 4480910.8/34

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 305.428+/-0.051 χ^2/NDF:6473865.8/32

Out: 314.090+/-0.053 χ^2/NDF:7094849.1/36

All: 309.627+/-0.037 χ^2/NDF: 13582577.0/69



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -353.235+/-339.646 χ^2/NDF:23.2/17

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -387.138+/-337.229 χ^2/NDF:23.3/16

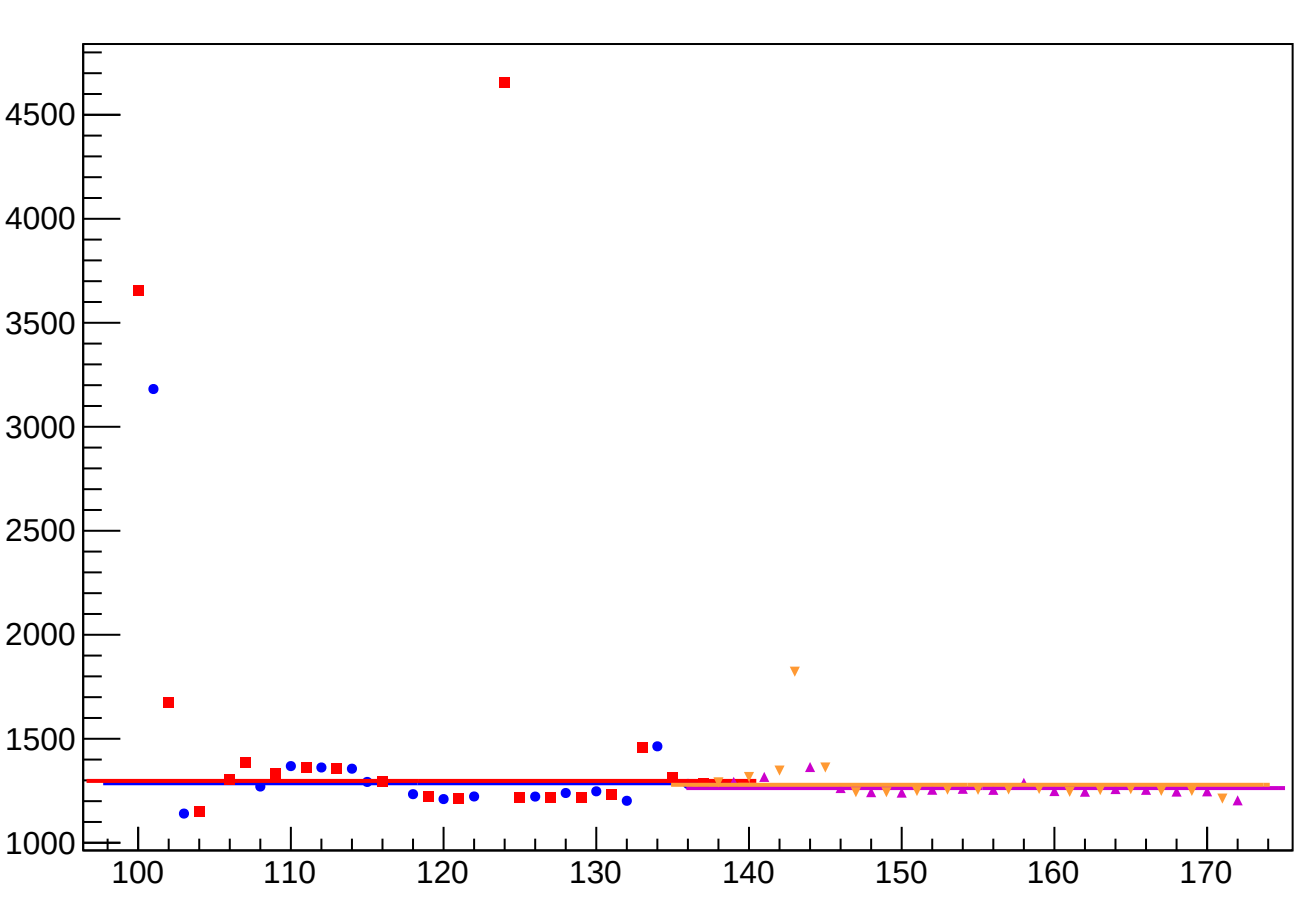
Left: -370.308+/-239.307 χ^2/NDF: 46.5/34

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -519.768+/-277.330 χ^2/NDF:37.2/32

Out: -357.904+/-278.463 χ^2/NDF:38.9/36

All: -439.166+/-196.502 χ^2/NDF: 76.2/69



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1278.733+/-0.240 χ^2/NDF:170006.9/17

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: 1270.758+/-0.169 χ^2/NDF: 192851.3/34

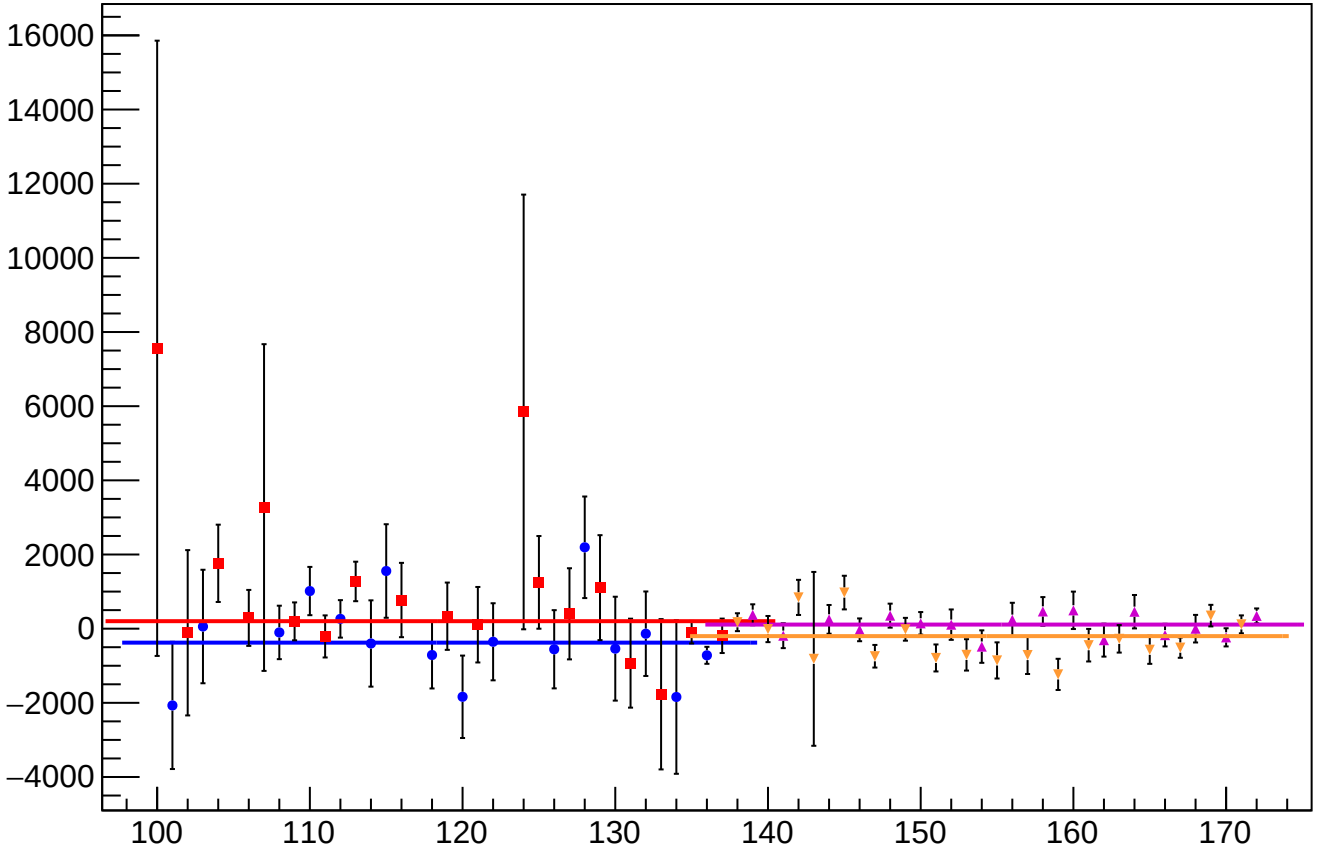
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1270.406+/-0.196 χ^2/NDF:541847.2/32

Out: 1284.851+/-0.197 χ^2/NDF:499727.7/36

All: 1277.599+/-0.139 χ^2/NDF: 1044276.9/69

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: -201.059+/-83.195 χ^2/NDF:38.6/17

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 110.366+/-80.271 χ^2/NDF:11.7/16

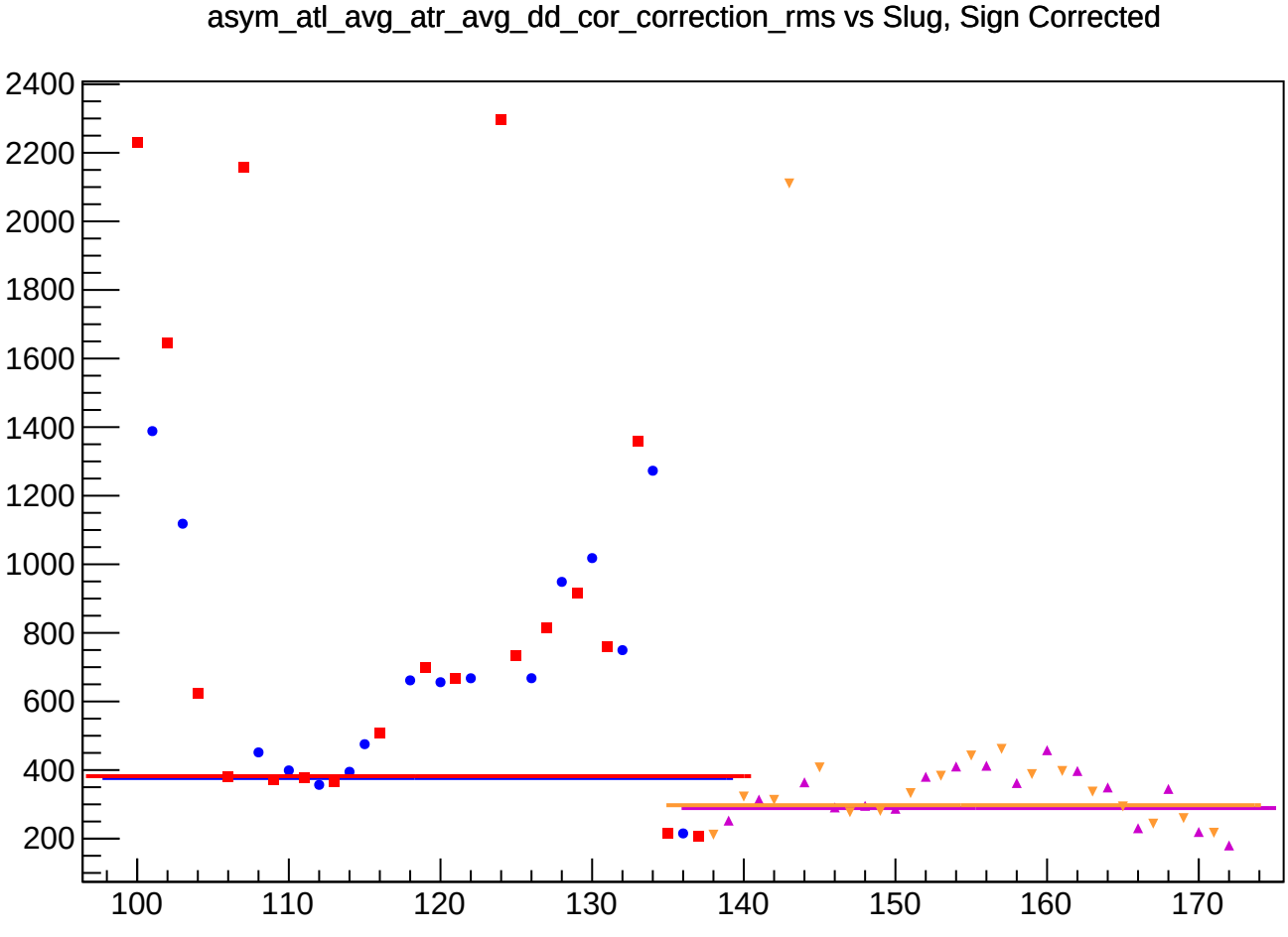
Left: -39.779+/-57.766 χ^2/NDF: 57.6/34

Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 20.019+/-72.446 χ^2/NDF:36.5/32

Out: -122.691+/-74.673 χ^2/NDF:57.3/36

All: -49.176+/-51.997 χ^2/NDF: 95.6/69



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 297.496+/-0.059 χ^2/NDF:2629938.3/17

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 289.154+/-0.057 χ^2/NDF:1840467.2/16

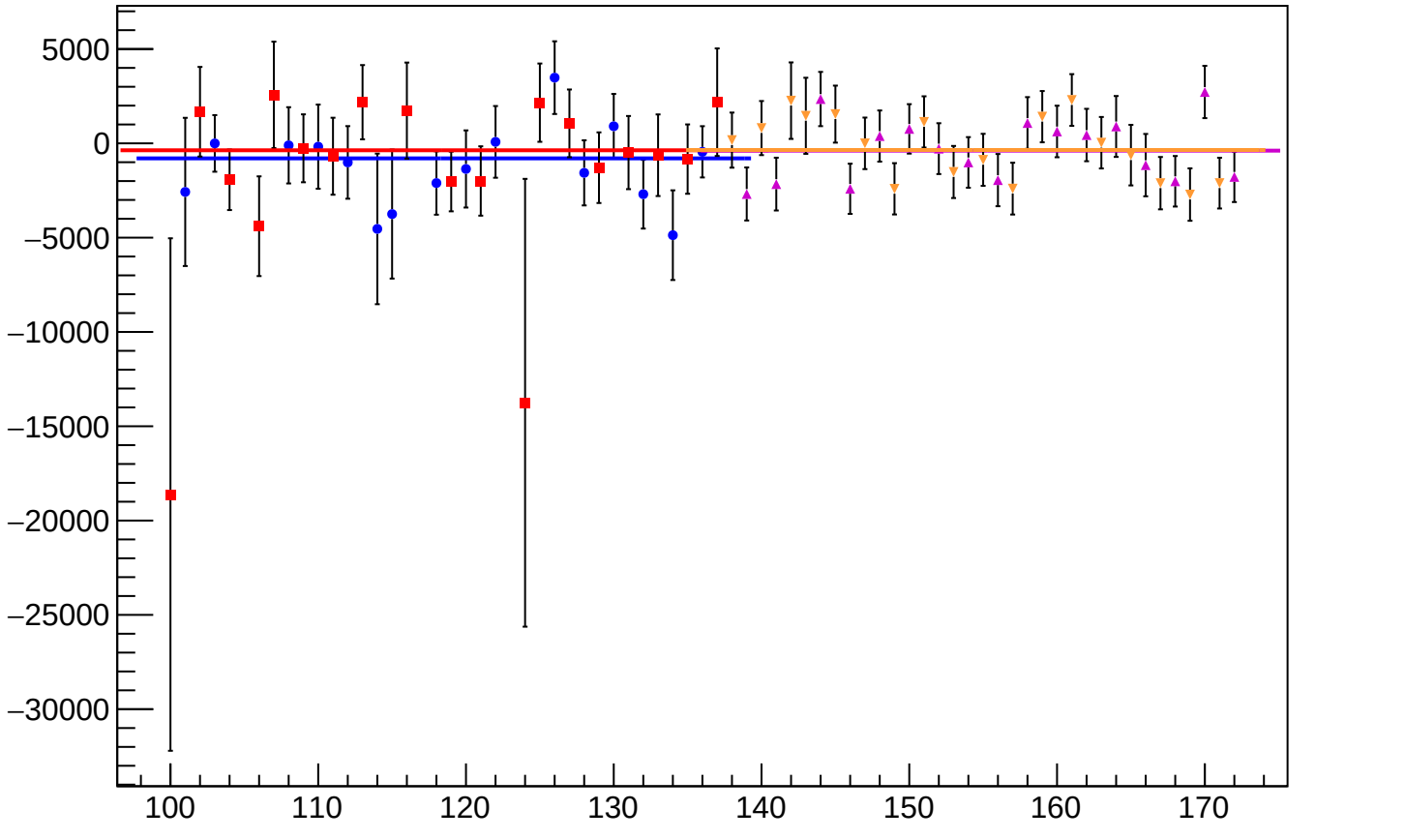
Left: 293.176+/-0.041 χ^2/NDF: 4480819.6/34

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 305.425+/-0.051 χ^2/NDF:6476857.1/32

Out: 313.947+/-0.053 χ^2/NDF:7091892.9/36

All: 309.557+/-0.037 χ^2/NDF: 13582169.9/69



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -353.235+/-339.646 χ^2/NDF:23.2/17

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -387.138+/-337.229 χ^2/NDF:23.3/16

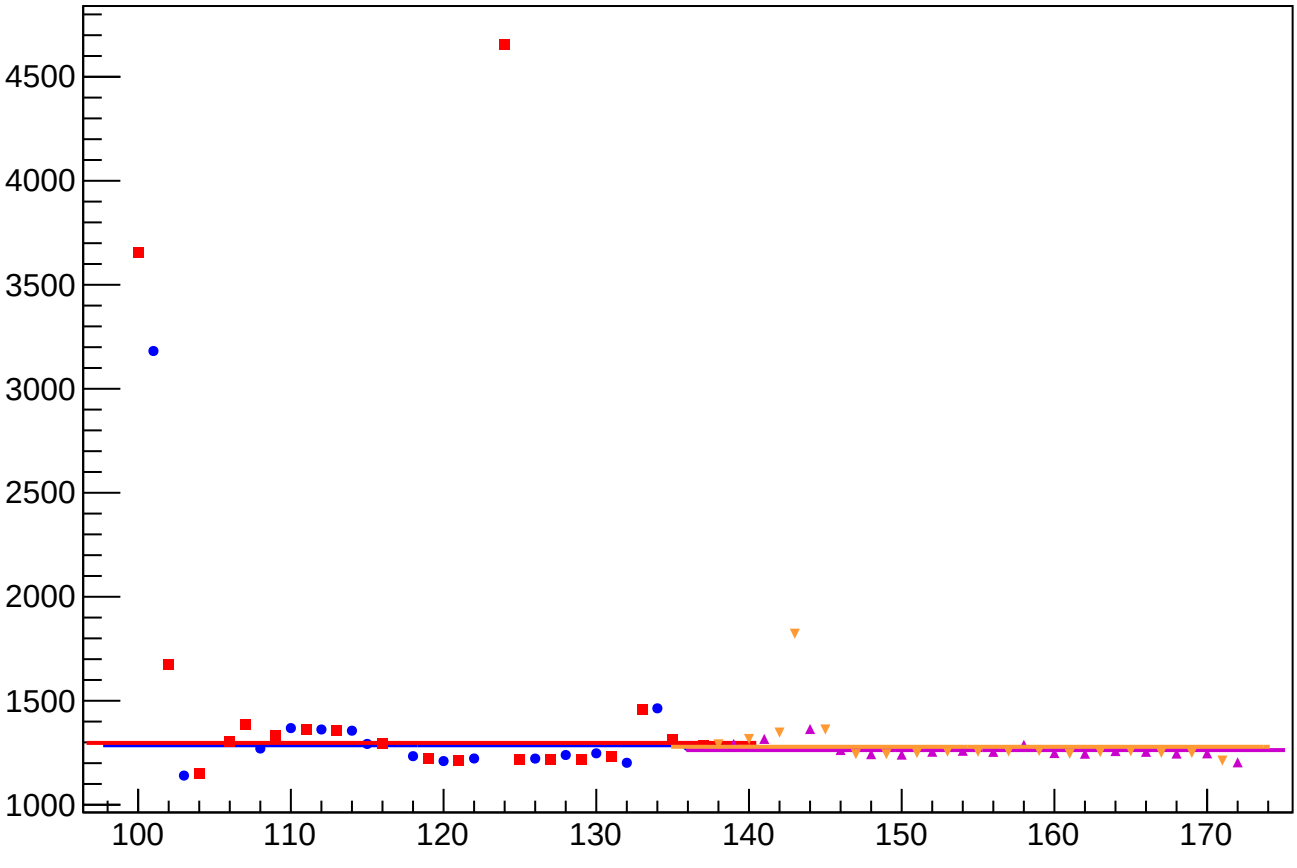
Left: -370.308+/-239.307 χ^2/NDF: 46.5/34

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -519.768+/-277.330 χ^2/NDF:37.2/32

Out: -357.904+/-278.463 χ^2/NDF:38.9/36

All: -439.166+/-196.502 χ^2/NDF: 76.2/69



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1278.733+/-0.240 χ^2/NDF:170006.9/17

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: 1270.758+/-0.169 χ^2/NDF: 192851.3/34

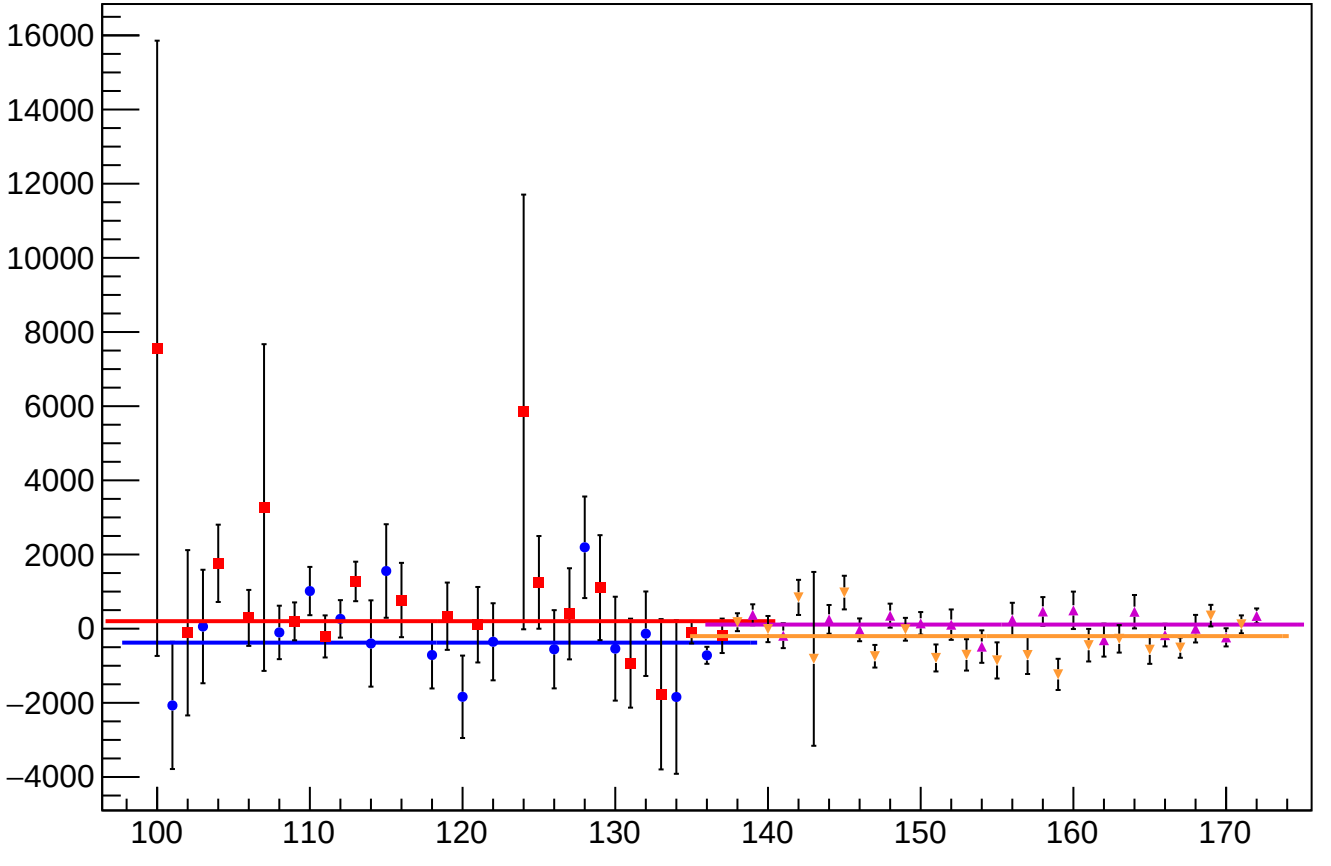
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1270.406+/-0.196 χ^2/NDF:541847.2/32

Out: 1284.851+/-0.197 χ^2/NDF:499727.7/36

All: 1277.599+/-0.139 χ^2/NDF: 1044276.9/69

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: -201.059+/-83.195 χ^2/NDF:38.6/17

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: -39.779+/-57.766 χ^2/NDF: 57.6/34

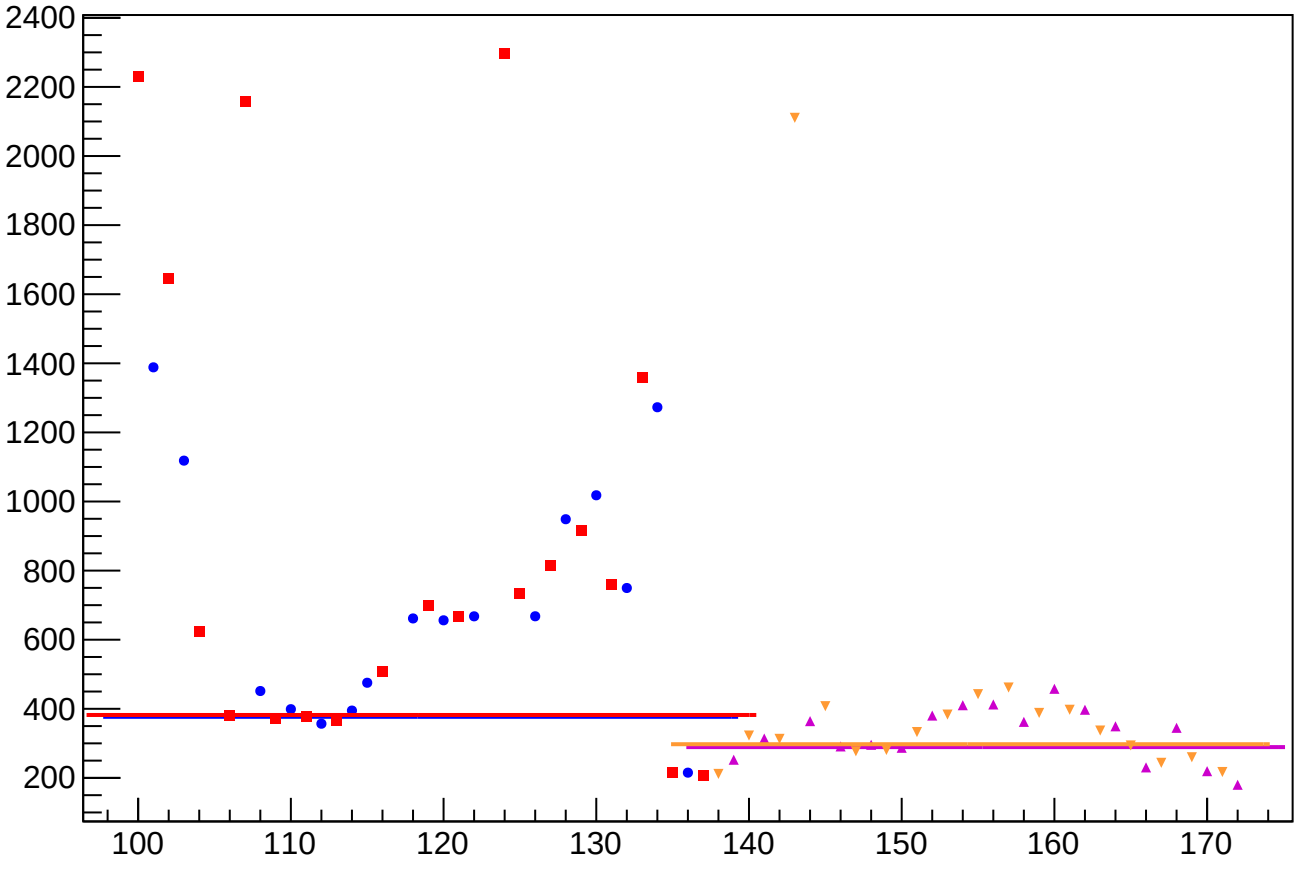
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 20.019+/-72.446 χ^2/NDF:36.5/32

Out: -122.691+/-74.673 χ^2/NDF:57.3/36

All: -49.176+/-51.997 χ^2/NDF: 95.6/69

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: 297.496+/-0.059 χ^2/NDF:2629938.3/17

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 289.154+/-0.057 χ^2/NDF:1840467.2/16

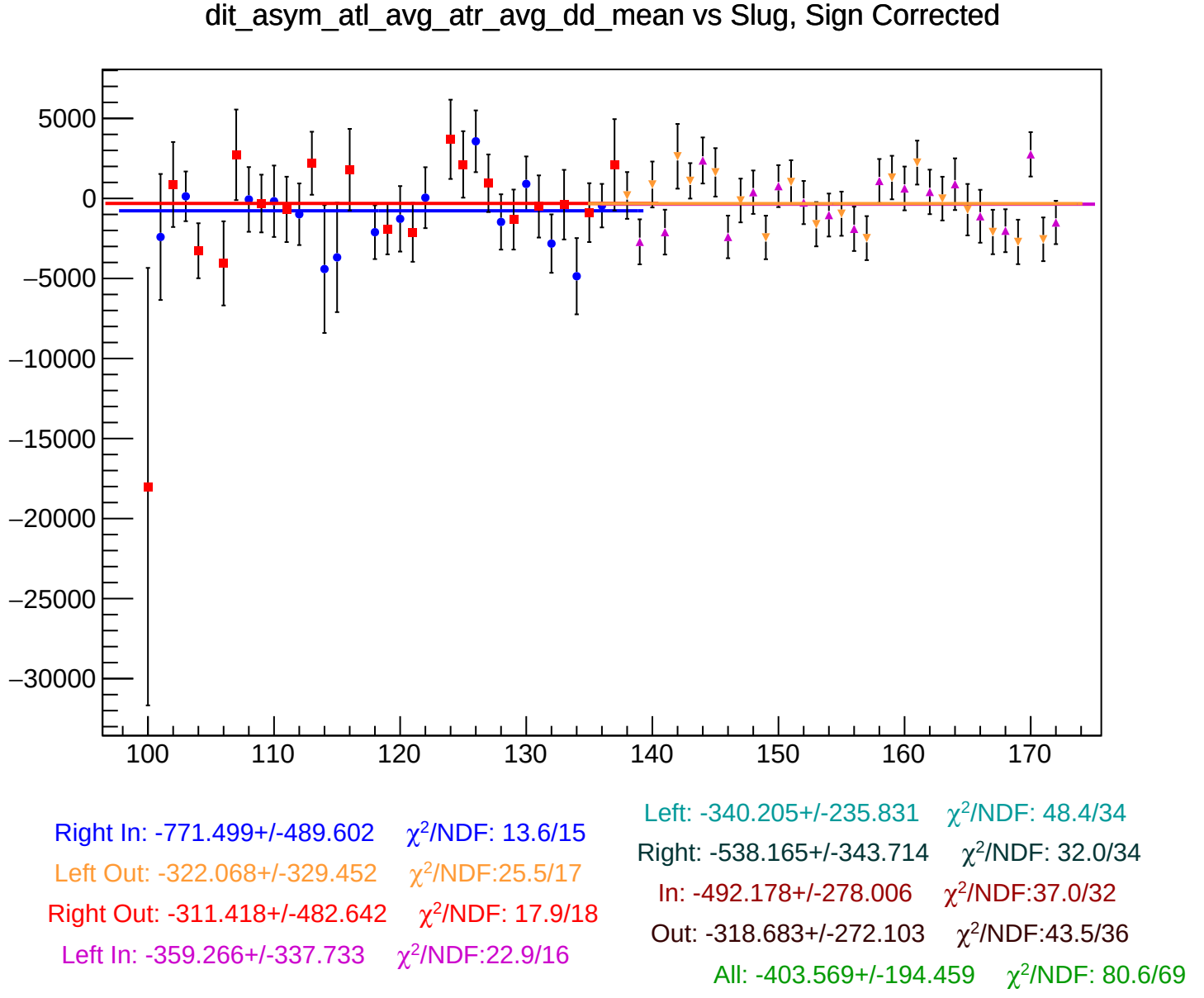
Left: 293.176+/-0.041 χ^2/NDF: 4480819.6/34

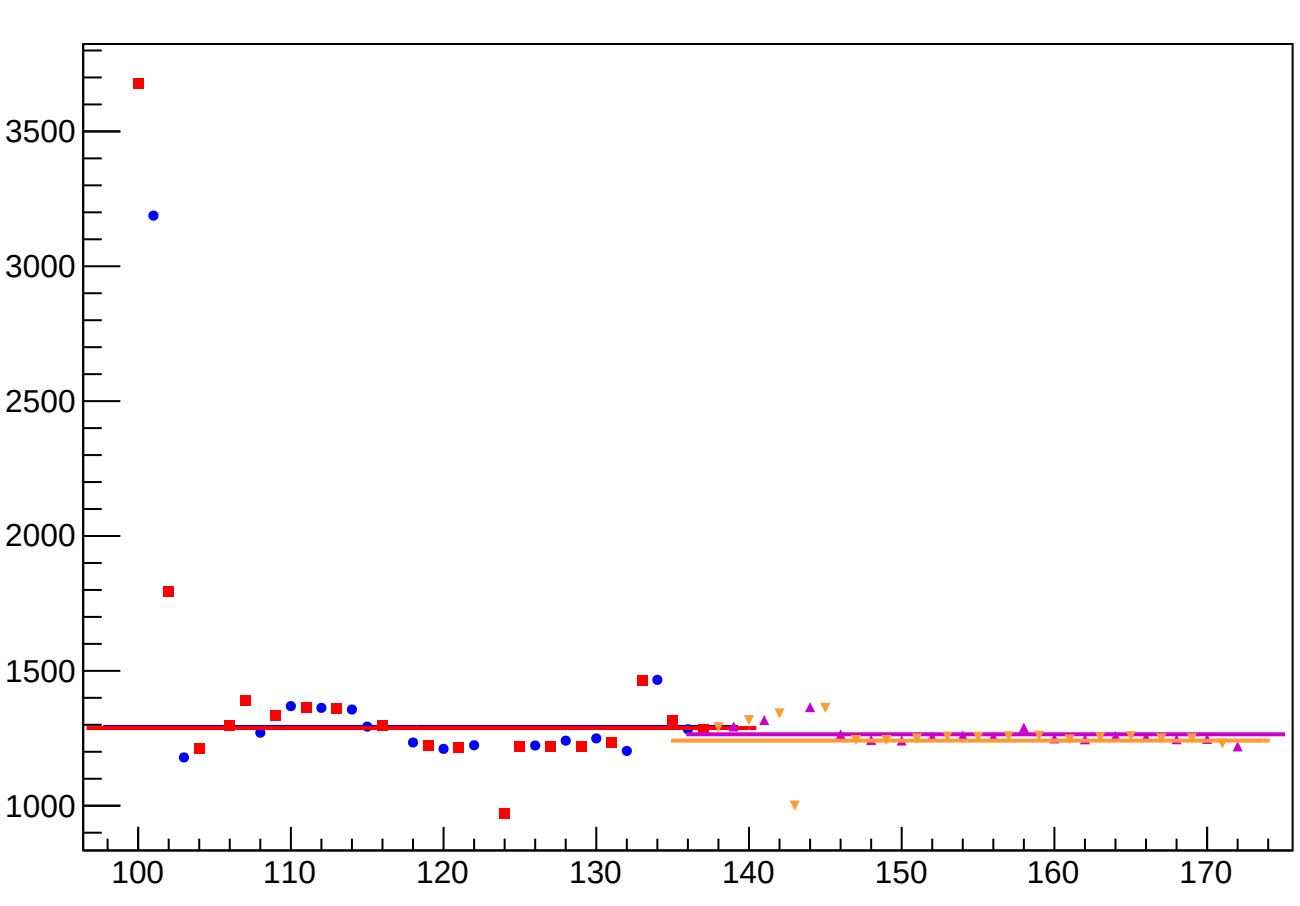
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 305.425+/-0.051 χ^2/NDF:6476857.1/32

Out: 313.947+/-0.053 χ^2/NDF:7091892.9/36

All: 309.557+/-0.037 χ^2/NDF: 13582169.9/69


dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: -322.068+/-329.452 χ²/NDF:25.5/17
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -359.266+/-337.733 χ²/NDF:22.9/16
Left: -340.205+/-235.831 χ²/NDF: 48.4/34
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -492.178+/-278.006 χ²/NDF:37.0/32
Out: -318.683+/-272.103 χ²/NDF:43.5/36
All: -403.569+/-194.459 χ²/NDF: 80.6/69



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1241.374+/-0.233 χ^2/NDF:122422.3/17

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: 1252.805+/-0.167 χ^2/NDF: 146347.2/34

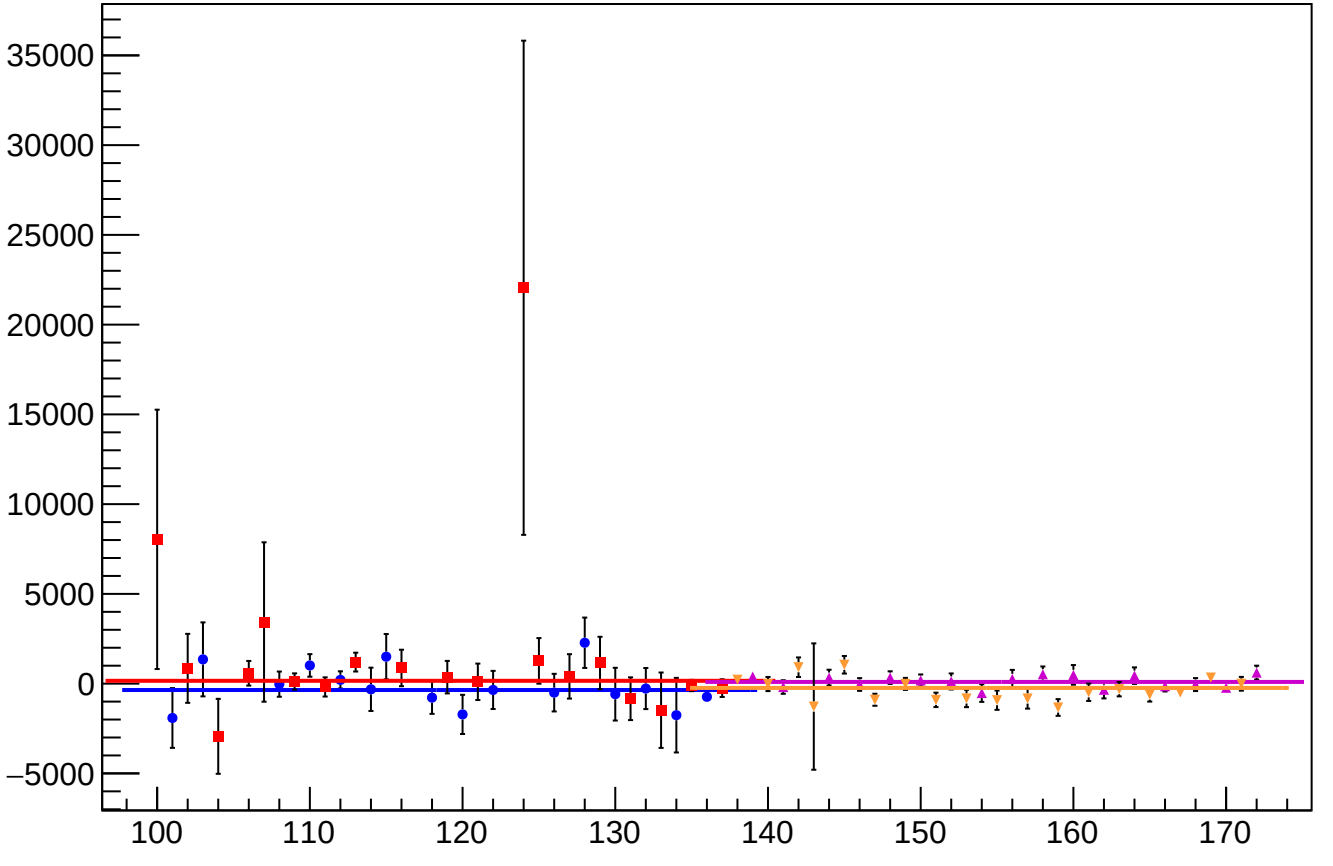
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1273.595+/-0.197 χ^2/NDF:532580.9/32

Out: 1256.190+/-0.192 χ^2/NDF:344357.5/36

All: 1264.706+/-0.138 χ^2/NDF: 880942.0/69

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -238.673+/-90.533 χ^2/NDF:38.9/17

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: -69.478+/-63.592 χ^2/NDF: 57.6/34

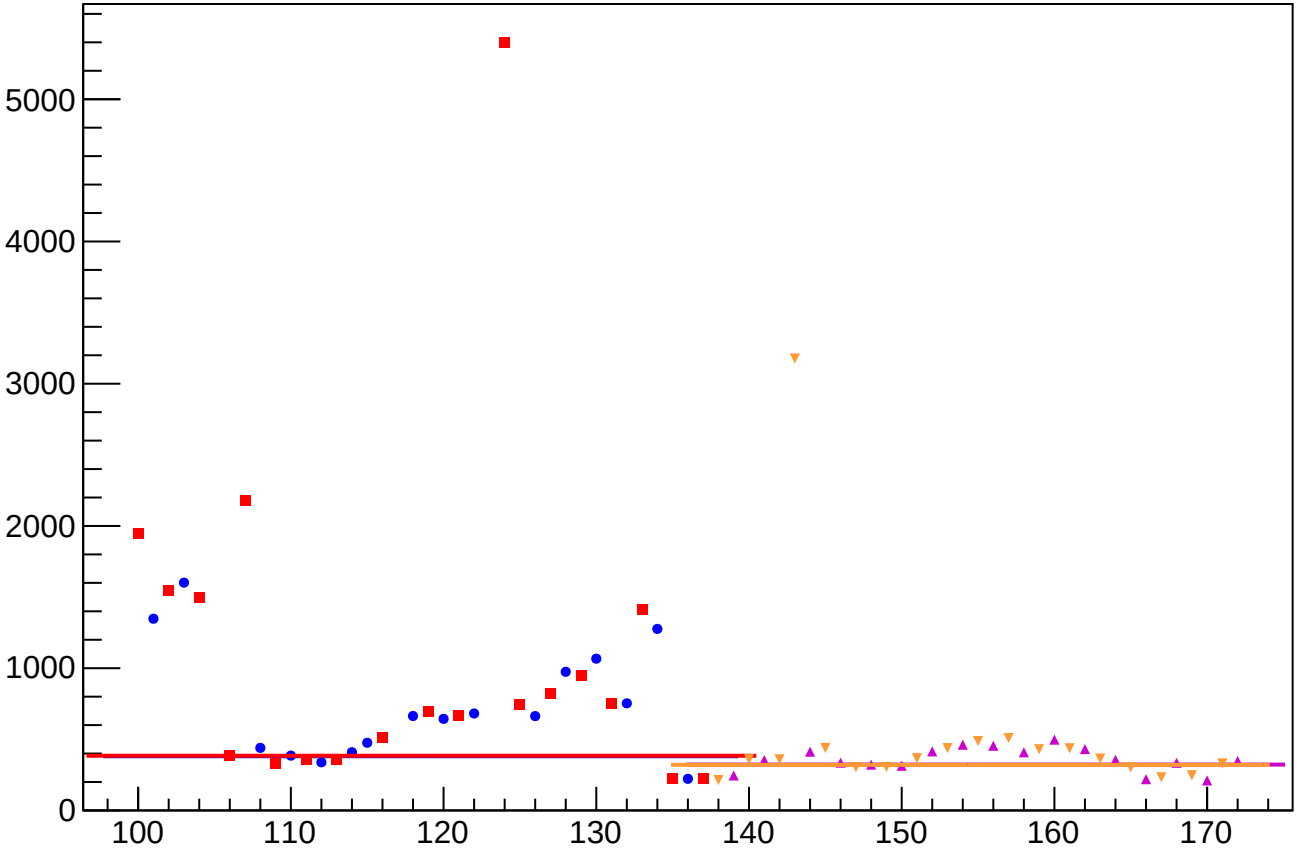
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -2.233+/-79.084 χ^2/NDF:35.8/32

Out: -150.776+/-79.873 χ^2/NDF:59.0/36

All: -75.767+/-56.198 χ^2/NDF: 96.5/69

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 320.636+/-0.064 χ^2/NDF:3044519.5/17

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 322.489+/-0.063 χ^2/NDF:1748900.6/16

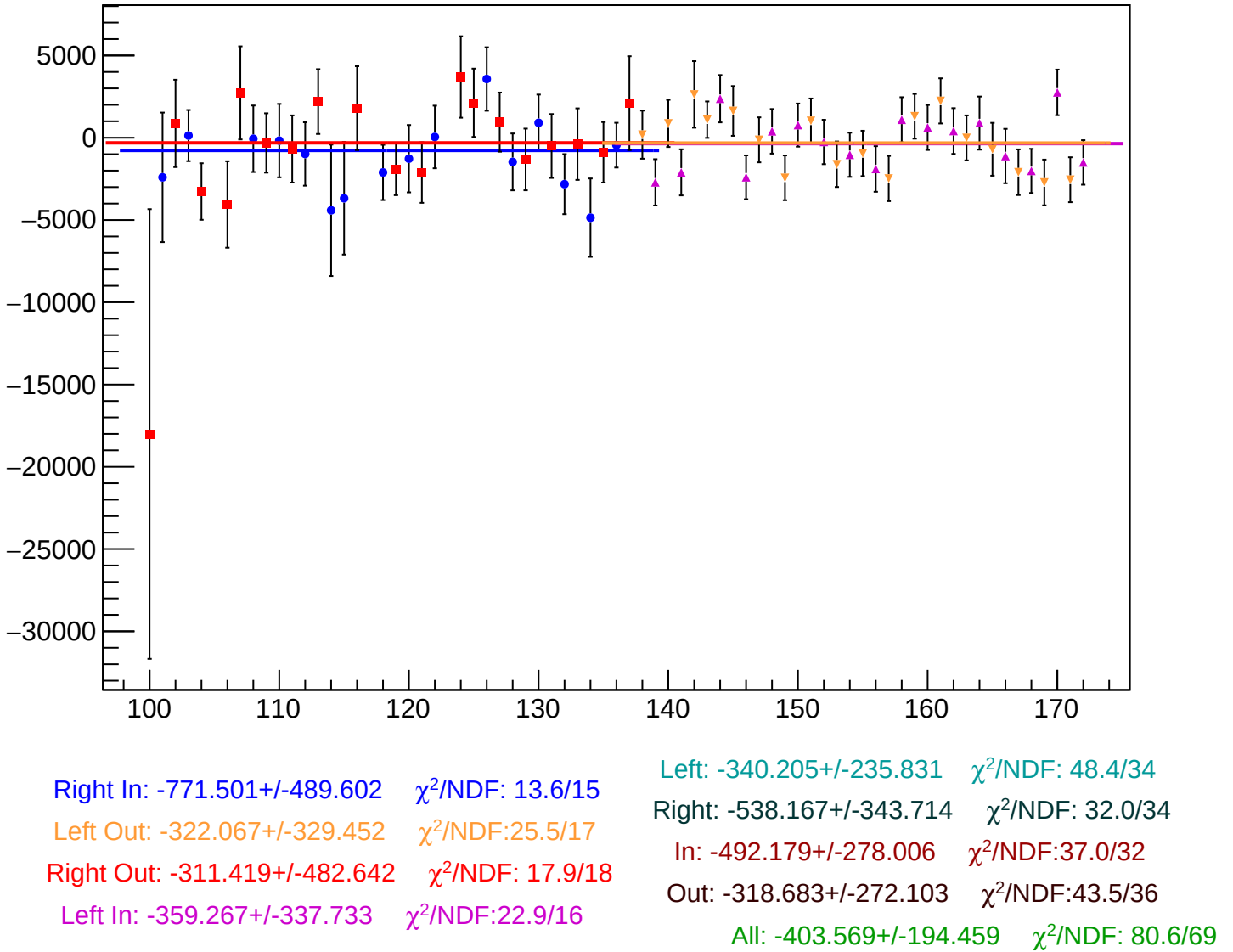
Left: 321.575+/-0.045 χ^2/NDF: 4793844.4/34

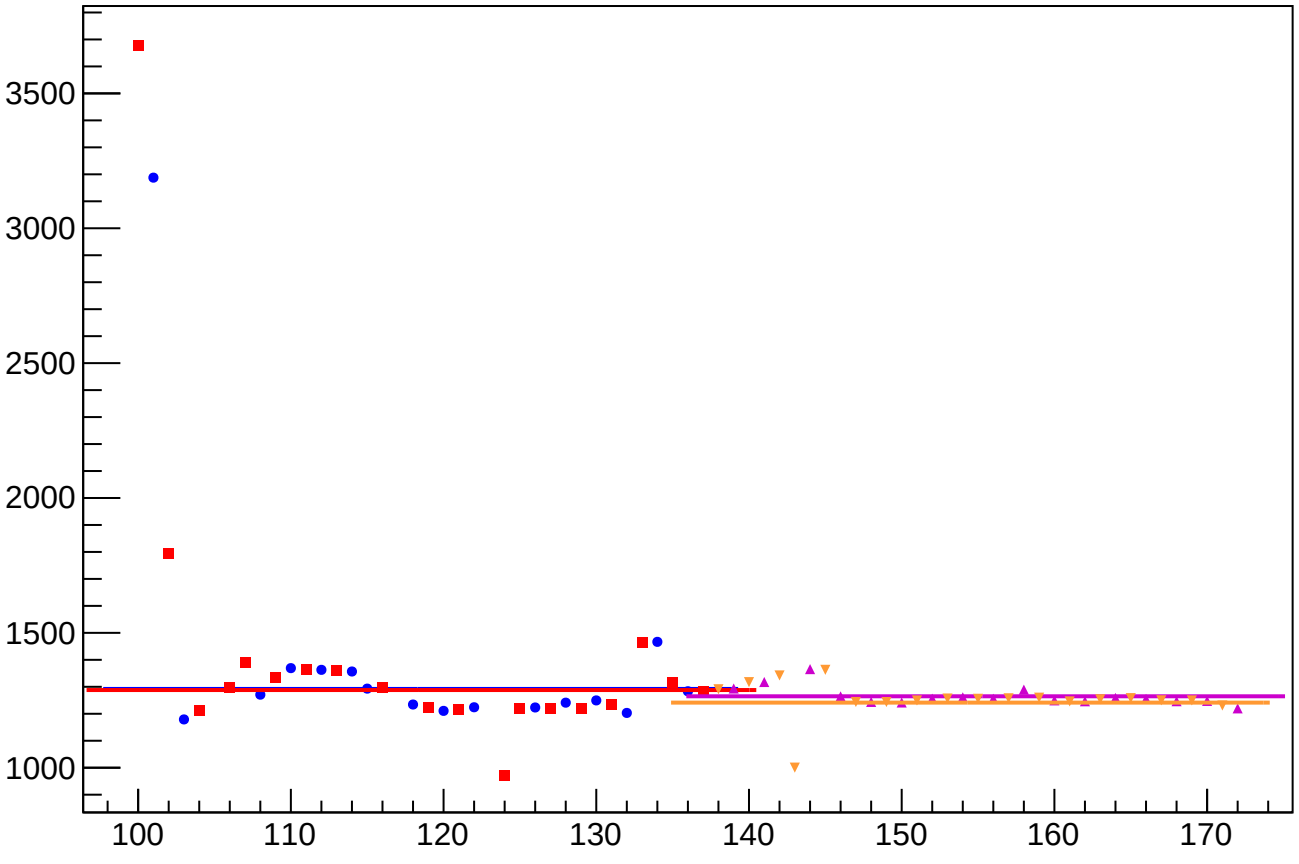
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 335.231+/-0.056 χ^2/NDF:6254743.0/32

Out: 334.824+/-0.056 χ^2/NDF:7826337.0/36

All: 335.030+/-0.040 χ^2/NDF: 14081106.3/69


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: -322.067+/-329.452 χ²/NDF:25.5/17
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -359.267+/-337.733 χ²/NDF:22.9/16
Left: -340.205+/-235.831 χ²/NDF: 48.4/34
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -492.179+/-278.006 χ²/NDF:37.0/32
Out: -318.683+/-272.103 χ²/NDF:43.5/36
All: -403.569+/-194.459 χ²/NDF: 80.6/69



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1241.374+/-0.233 χ^2/NDF:122421.5/17

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: 1252.805+/-0.167 χ^2/NDF: 146346.5/34

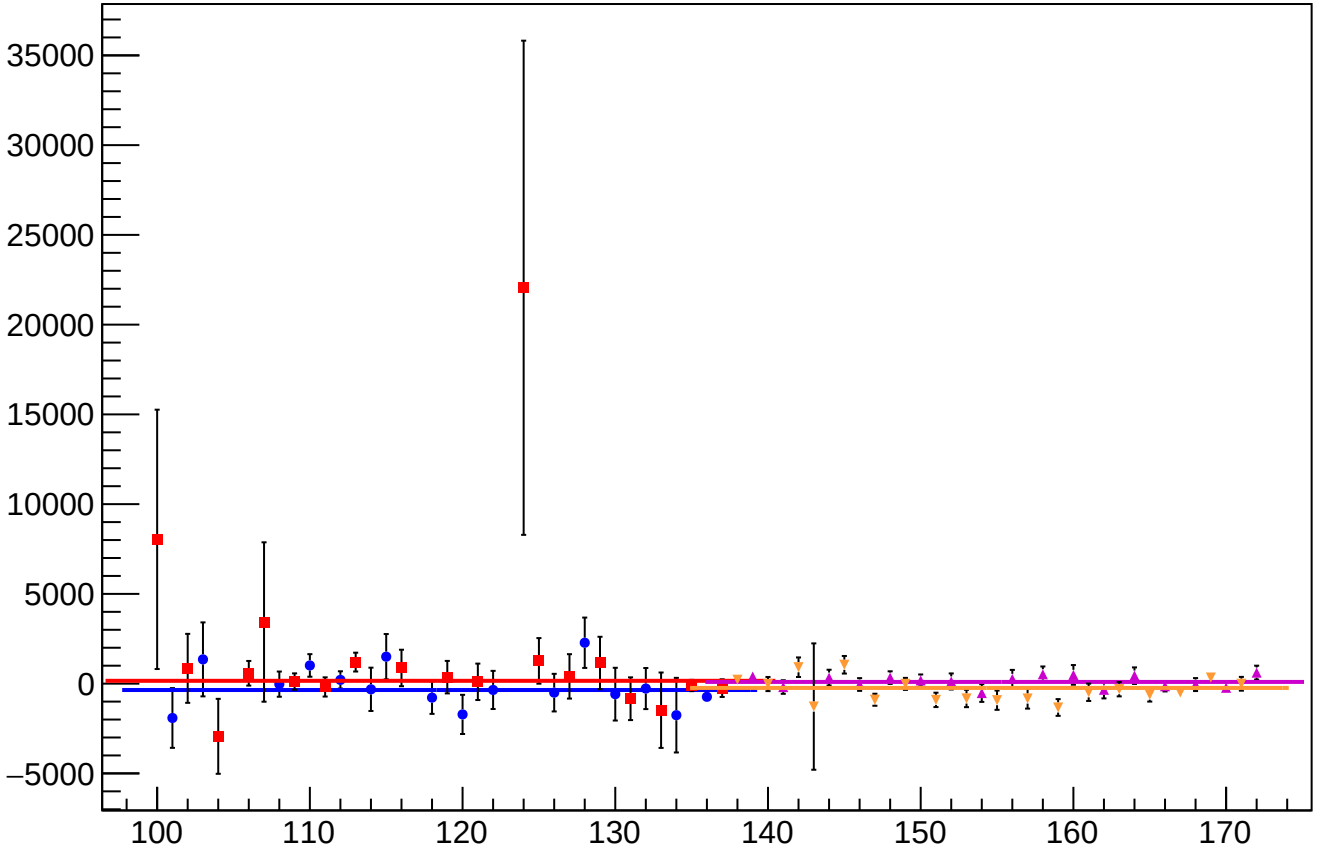
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1273.595+/-0.197 χ^2/NDF:532581.1/32

Out: 1256.190+/-0.192 χ^2/NDF:344357.0/36

All: 1264.706+/-0.138 χ^2/NDF: 880941.6/69

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: -238.681+/-90.534 χ^2/NDF:38.9/17

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: -69.482+/-63.592 χ^2/NDF: 57.6/34

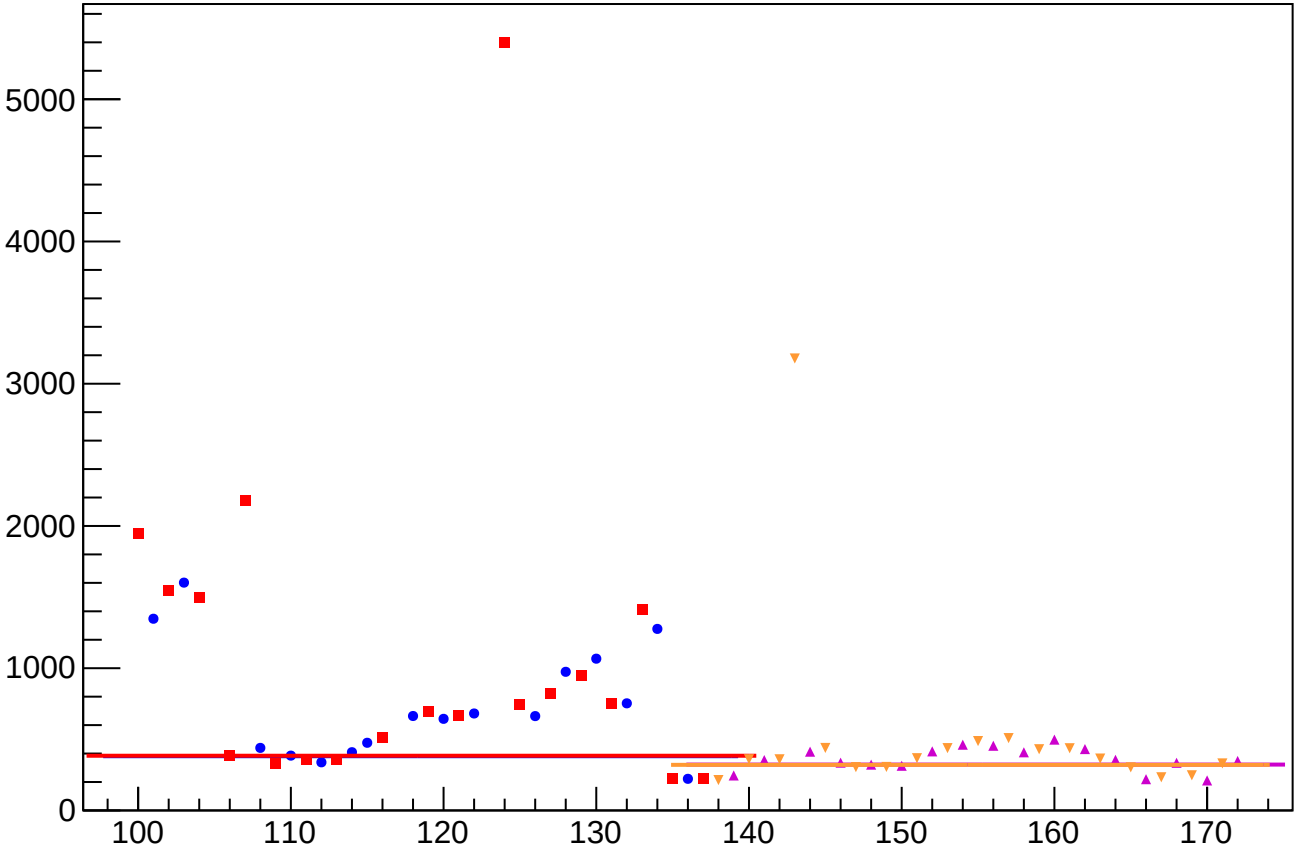
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -2.232+/-79.084 χ^2/NDF:35.8/32

Out: -150.782+/-79.874 χ^2/NDF:59.0/36

All: -75.769+/-56.198 χ^2/NDF: 96.5/69

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: 320.639+/-0.064 χ^2/NDF:3044395.0/17

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 322.490+/-0.063 χ^2/NDF:1748838.0/16

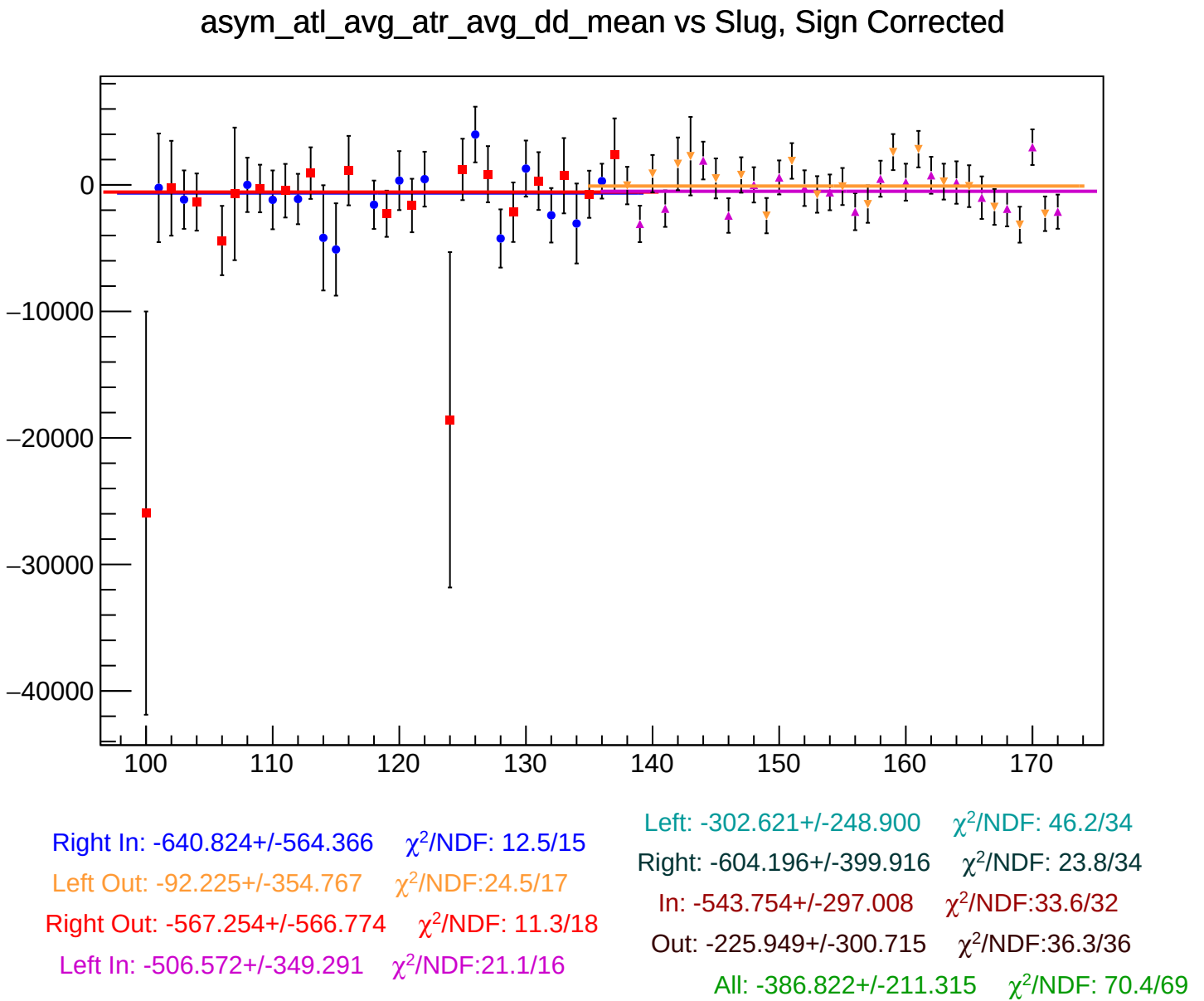
Left: 321.577+/-0.045 χ^2/NDF: 4793656.6/34

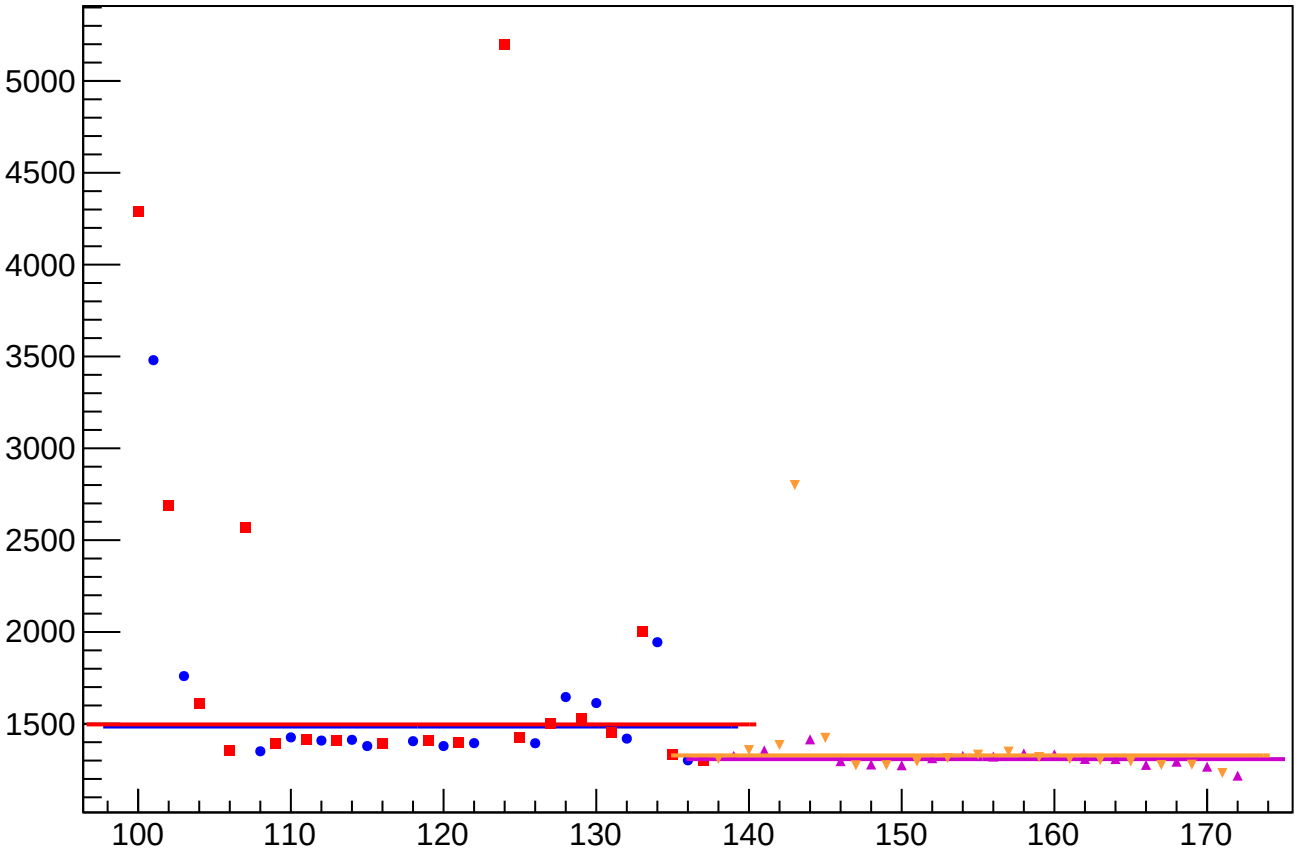
Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 335.234+/-0.056 χ^2/NDF:6254544.8/32

Out: 334.828+/-0.056 χ^2/NDF:7826101.6/36

All: 335.033+/-0.040 χ^2/NDF: 14080672.6/69


asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: -640.824+/-564.366 χ²/NDF: 12.5/15
Left Out: -92.225+/-354.767 χ²/NDF:24.5/17
Right Out: -567.254+/-566.774 χ²/NDF: 11.3/18
Left In: -506.572+/-349.291 χ²/NDF:21.1/16
Left: -302.621+/-248.900 χ²/NDF: 46.2/34
Right: -604.196+/-399.916 χ²/NDF: 23.8/34
In: -543.754+/-297.008 χ²/NDF:33.6/32
Out: -225.949+/-300.715 χ²/NDF:36.3/36
All: -386.822+/-211.315 χ²/NDF: 70.4/69



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1328.132+/-0.251 χ^2/NDF:484424.1/17

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1307.845+/-0.247 χ^2/NDF:28689.9/16

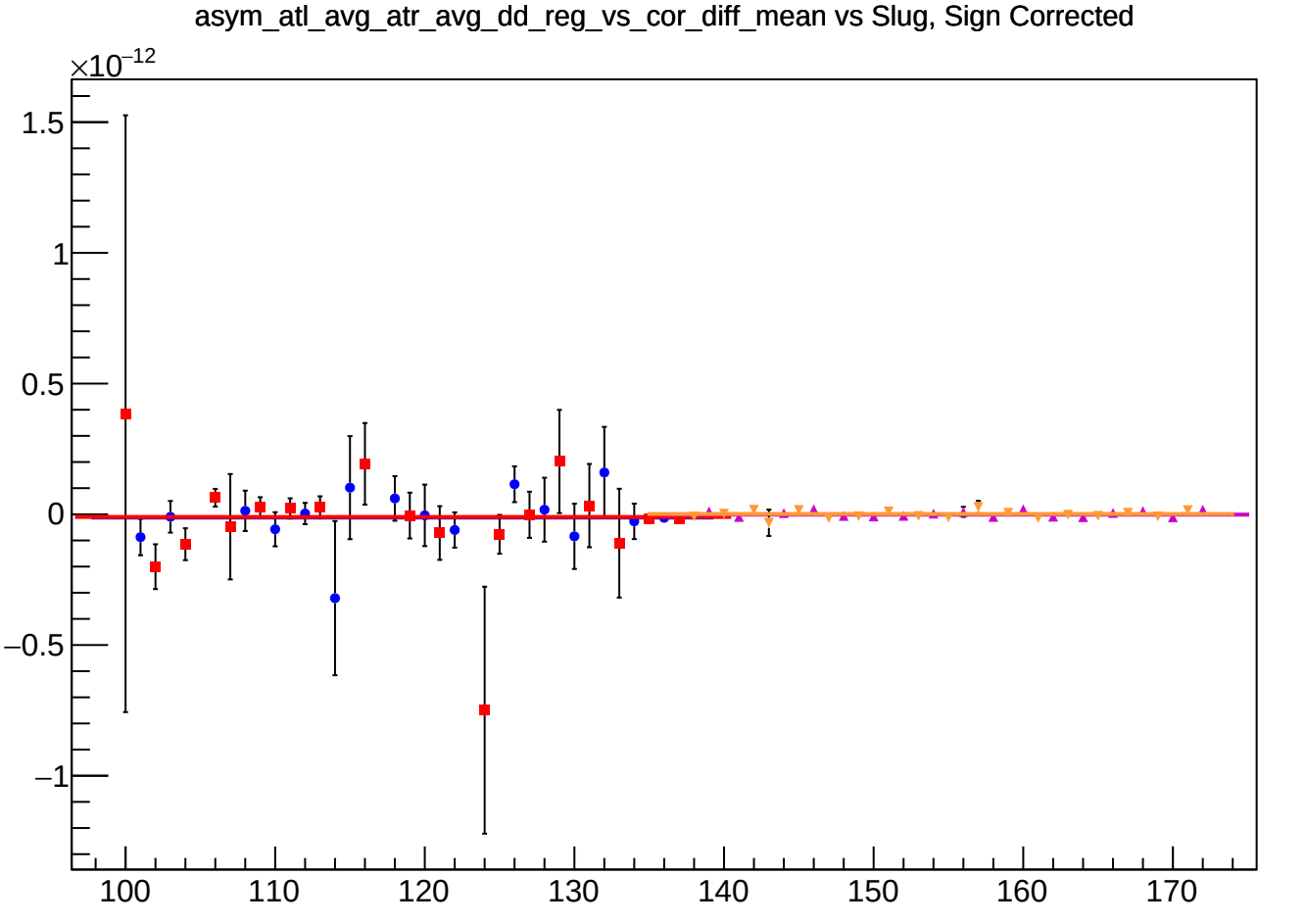
Left: 1317.830+/-0.176 χ^2/NDF: 516434.9/34

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1357.012+/-0.210 χ^2/NDF:756245.0/32

Out: 1375.632+/-0.213 χ^2/NDF:1235078.1/36

All: 1366.207+/-0.149 χ^2/NDF: 1995204.5/69



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.8/17

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:21.3/16

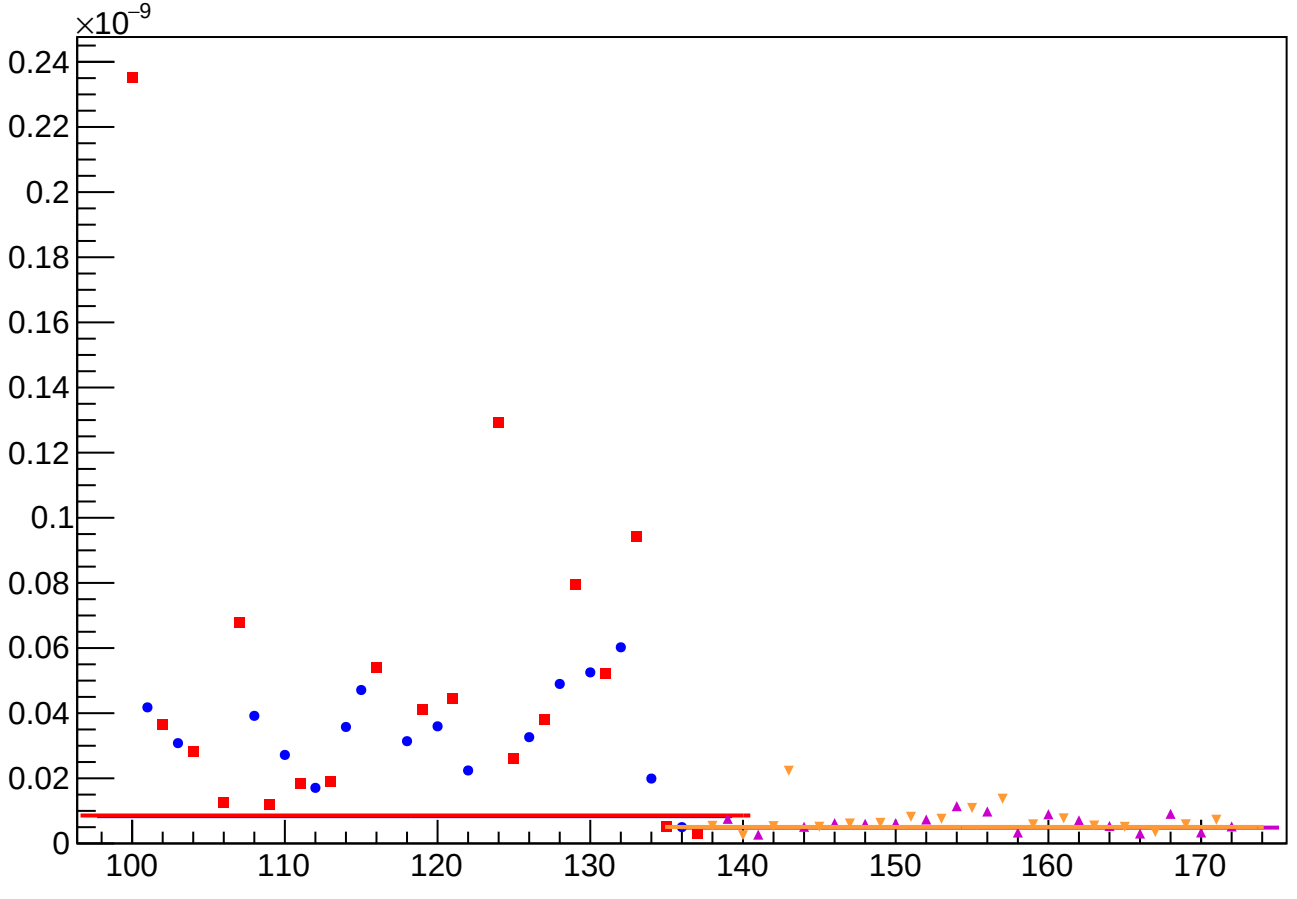
Left: 0.000+/-0.000 χ^2/NDF: 38.7/34

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:41.0/36

All: -0.000+/-0.000 χ^2/NDF: 74.5/69



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1835857.6/17

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: 3534729.1/34

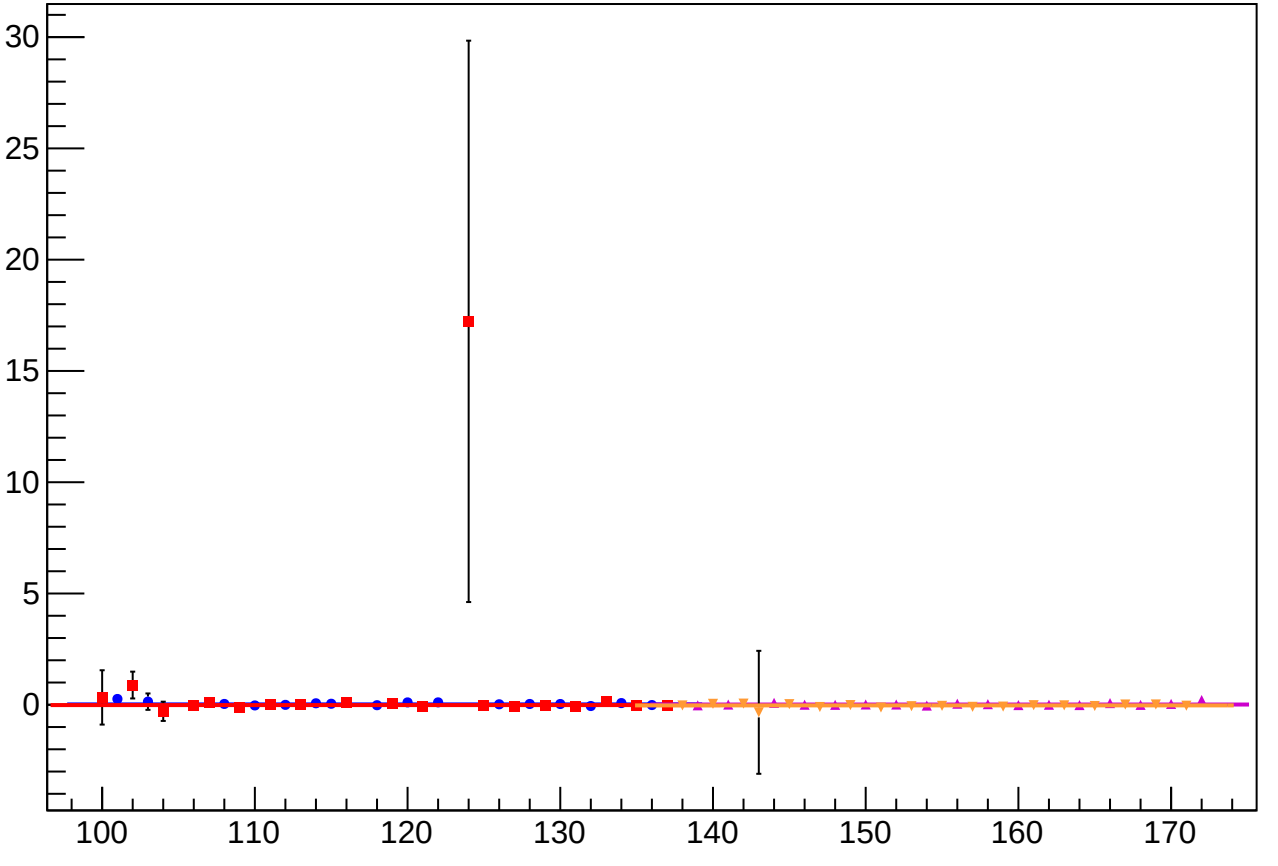
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5159830.8/32

Out: 0.000+/-0.000 χ^2/NDF:5537997.6/36

All: 0.000+/-0.000 χ^2/NDF: 10704039.2/69

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:23.4/17

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: 42.3/34

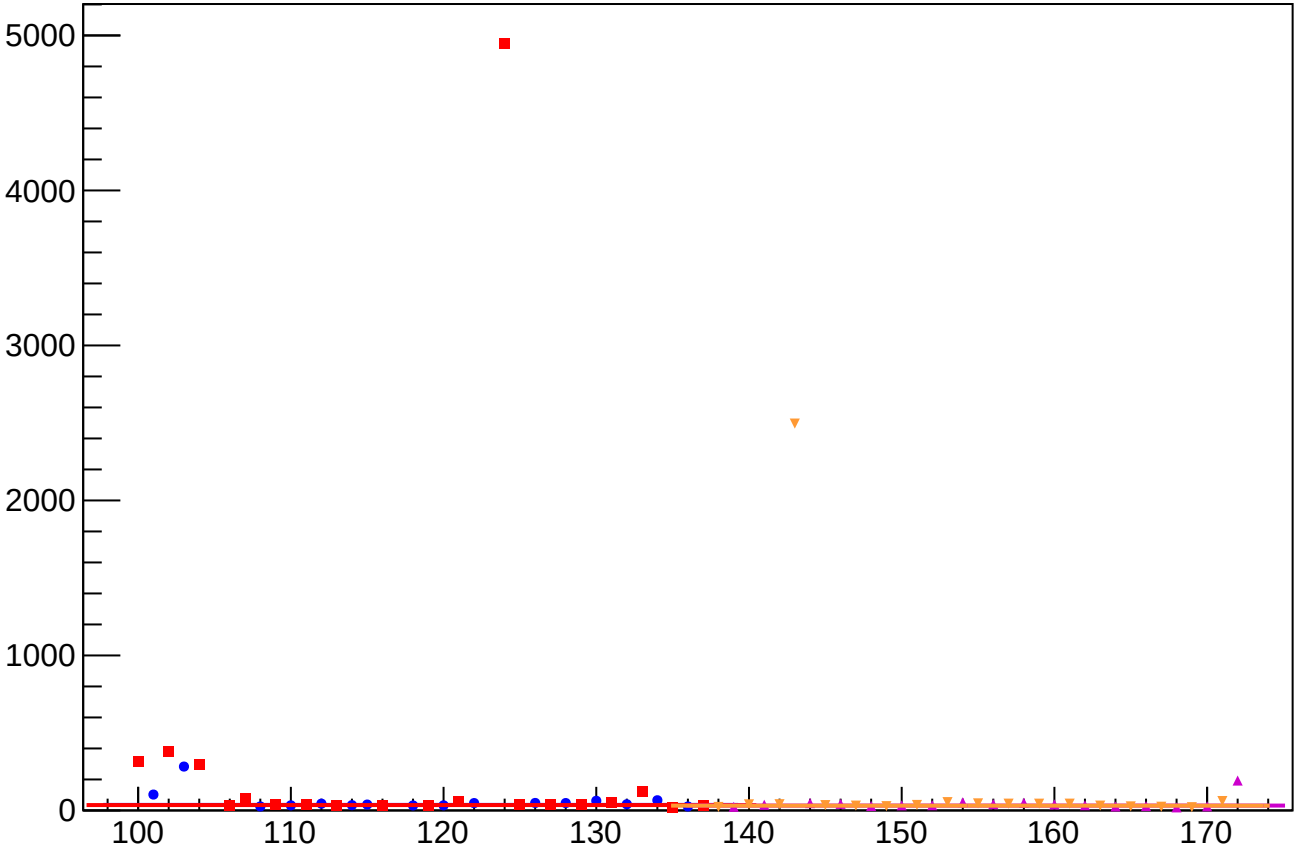
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/32

Out: -0.024+/-0.008 χ^2/NDF:40.0/36

All: -0.005+/-0.006 χ^2/NDF: 72.3/69

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: 31.047+/-0.007 χ^2/NDF:3388970.2/17

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: 31.262+/-0.005 χ^2/NDF: 6186039.6/34

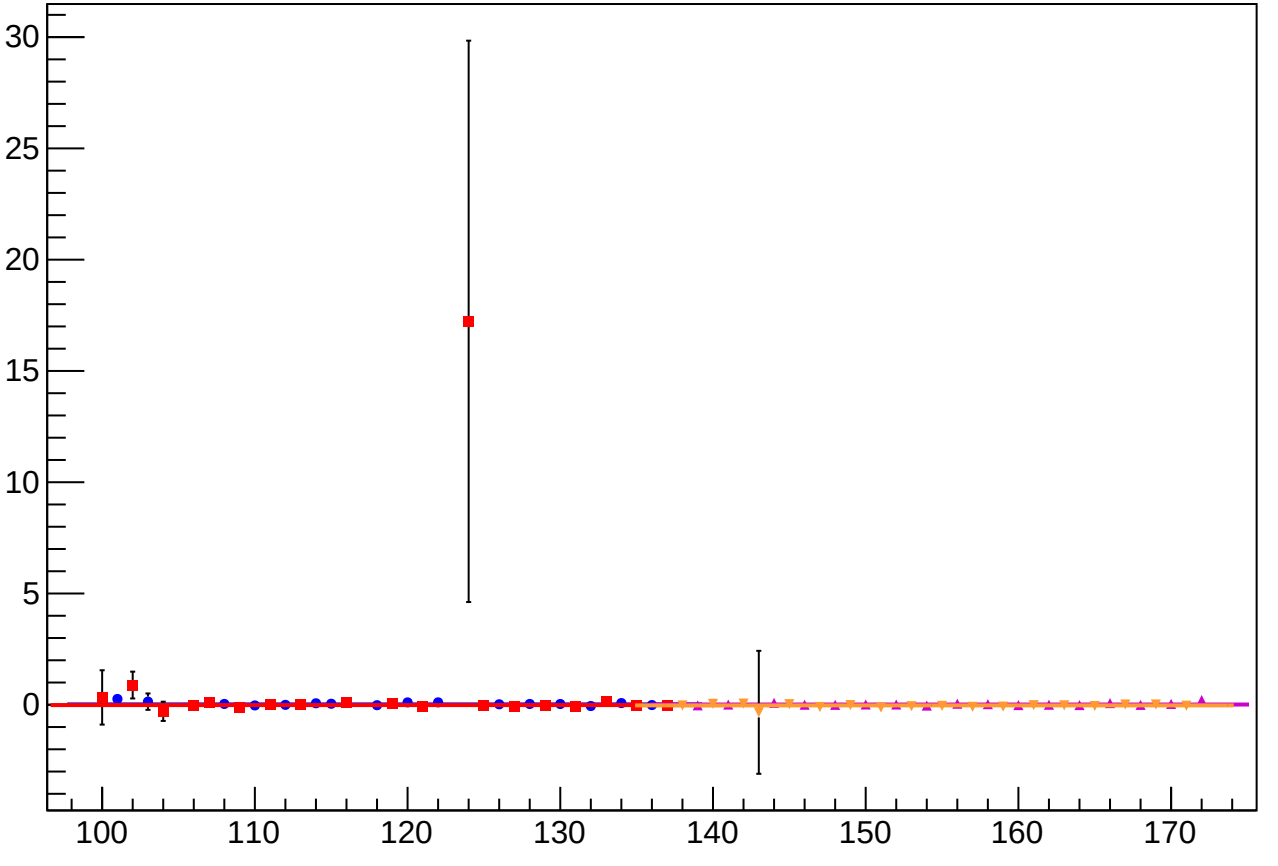
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.653+/-0.006 χ^2/NDF:5170259.7/32

Out: 32.068+/-0.006 χ^2/NDF:6387003.5/36

All: 32.362+/-0.004 χ^2/NDF: 11562446.4/69

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:23.4/17

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: 42.3/34

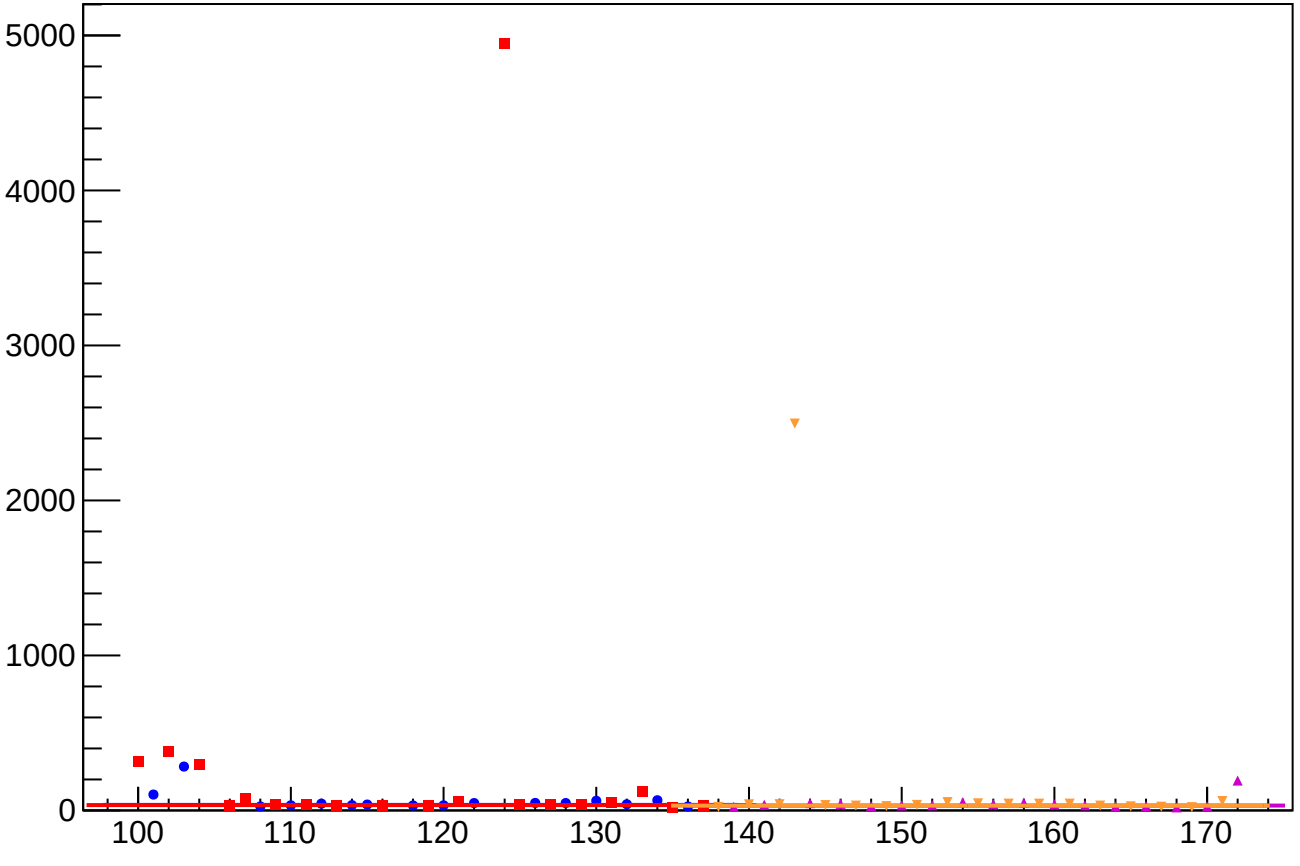
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/32

Out: -0.024+/-0.008 χ^2/NDF:40.0/36

All: -0.005+/-0.006 χ^2/NDF: 72.3/69

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: 31.047+/-0.007 χ^2/NDF:3388970.2/17

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.477+/-0.007 χ^2/NDF:2795037.4/16

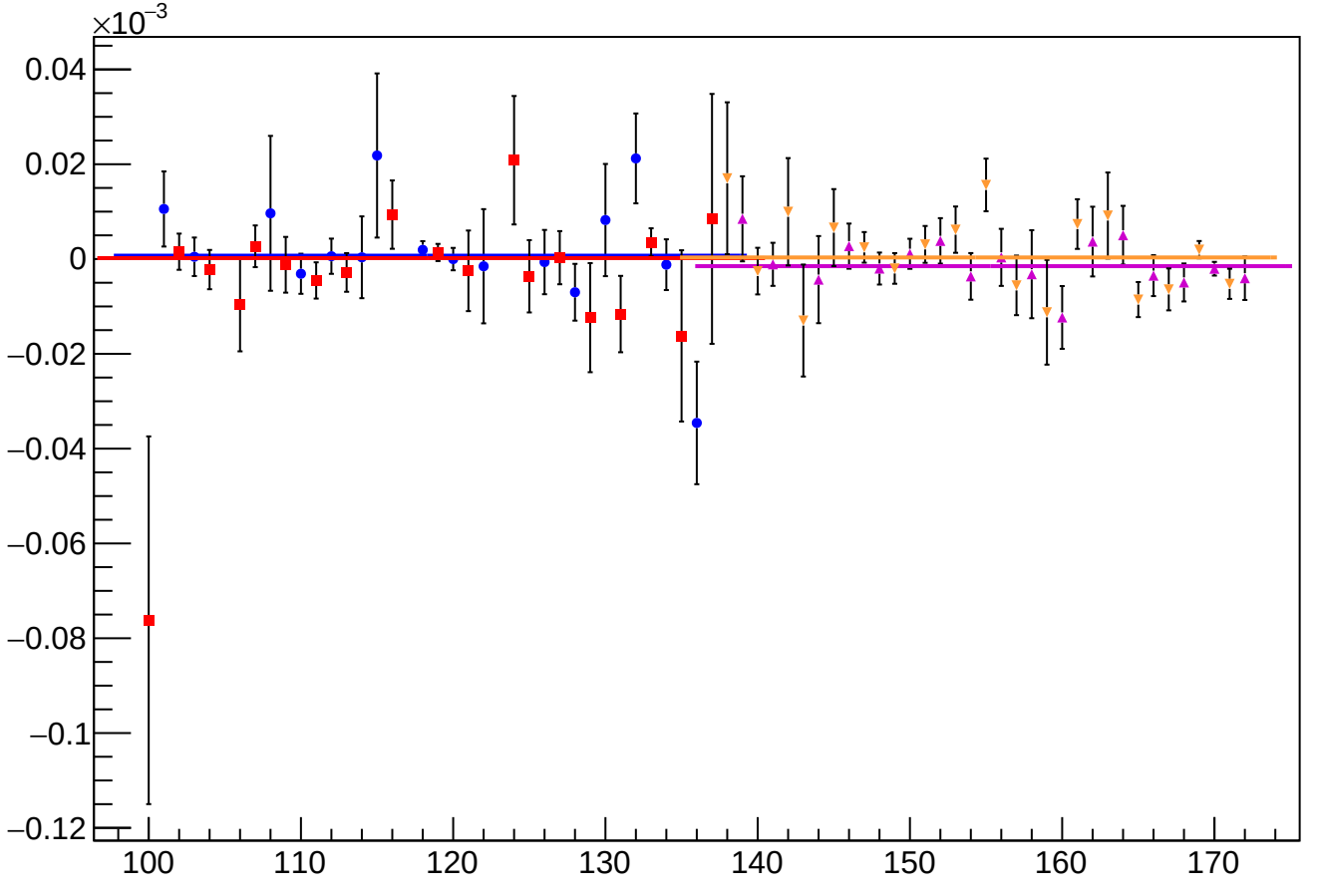
Left: 31.262+/-0.005 χ^2/NDF: 6186039.6/34

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.653+/-0.006 χ^2/NDF:5170259.7/32

Out: 32.068+/-0.006 χ^2/NDF:6387003.5/36

All: 32.362+/-0.004 χ^2/NDF: 11562446.4/69



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:10.1/16

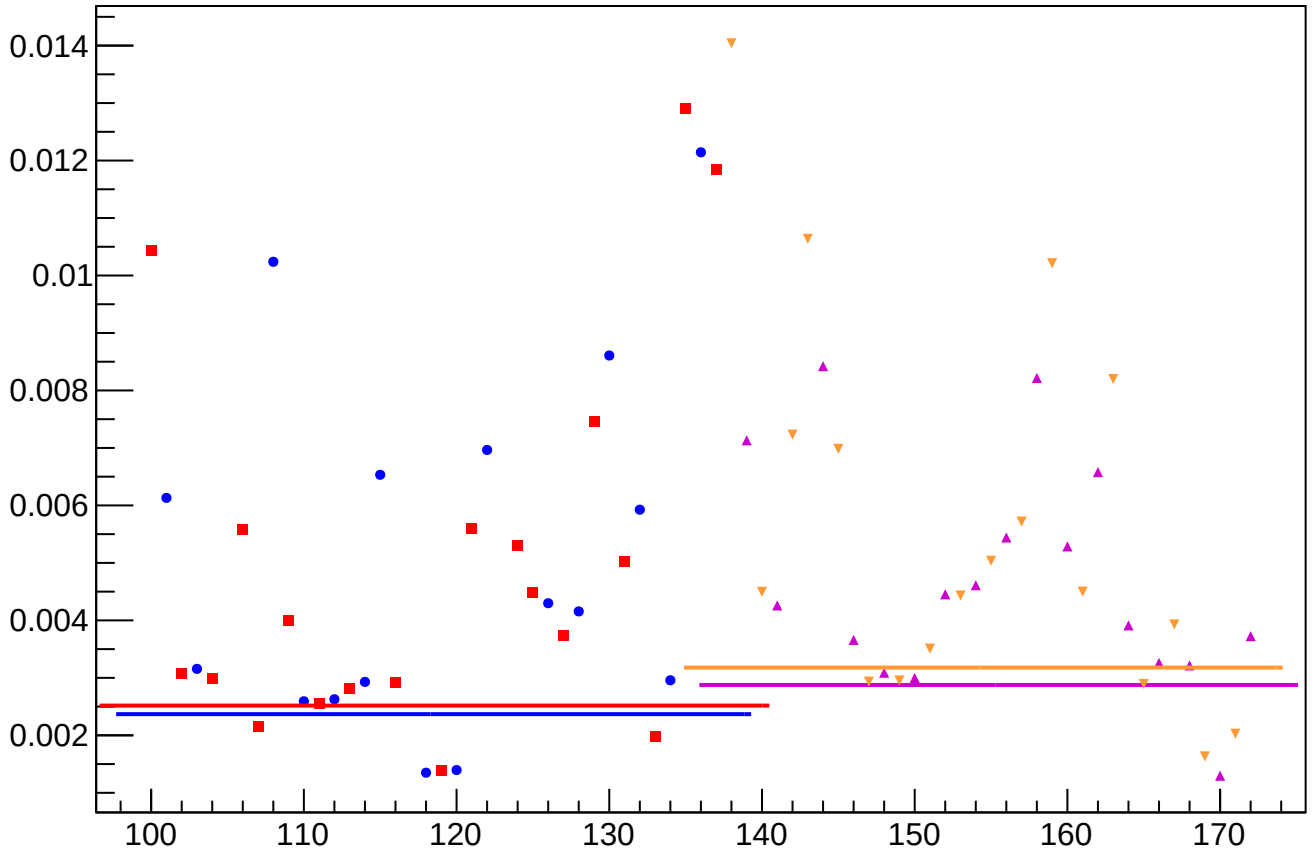
Left: -0.000+/-0.000 χ^2/NDF: 43.1/34

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:49.3/36

All: -0.000+/-0.000 χ^2/NDF: 81.5/69



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:6587816.3/17

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: 12925680.7/34

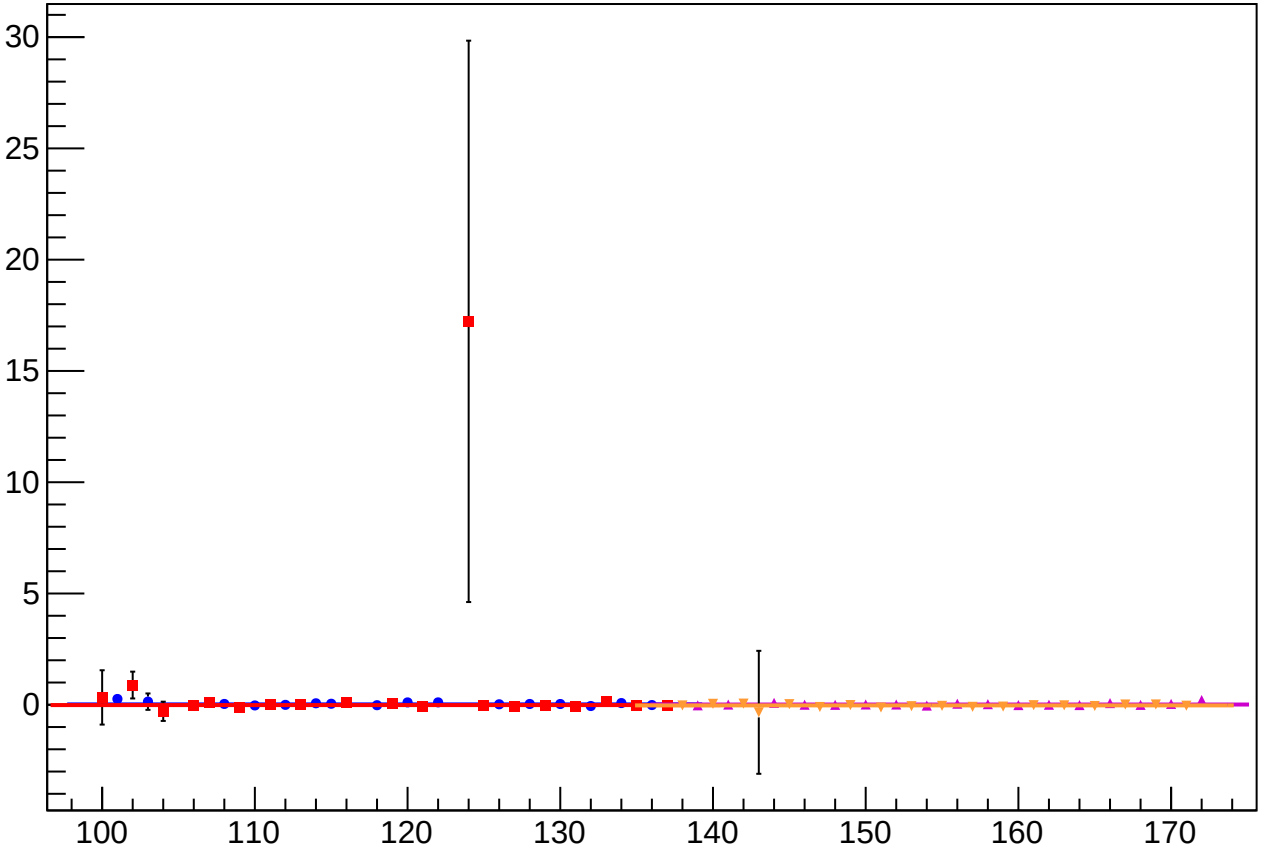
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:11206645.1/32

Out: 0.003+/-0.000 χ^2/NDF:10398152.6/36

All: 0.003+/-0.000 χ^2/NDF: 21687166.0/69

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:23.4/17

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: 42.3/34

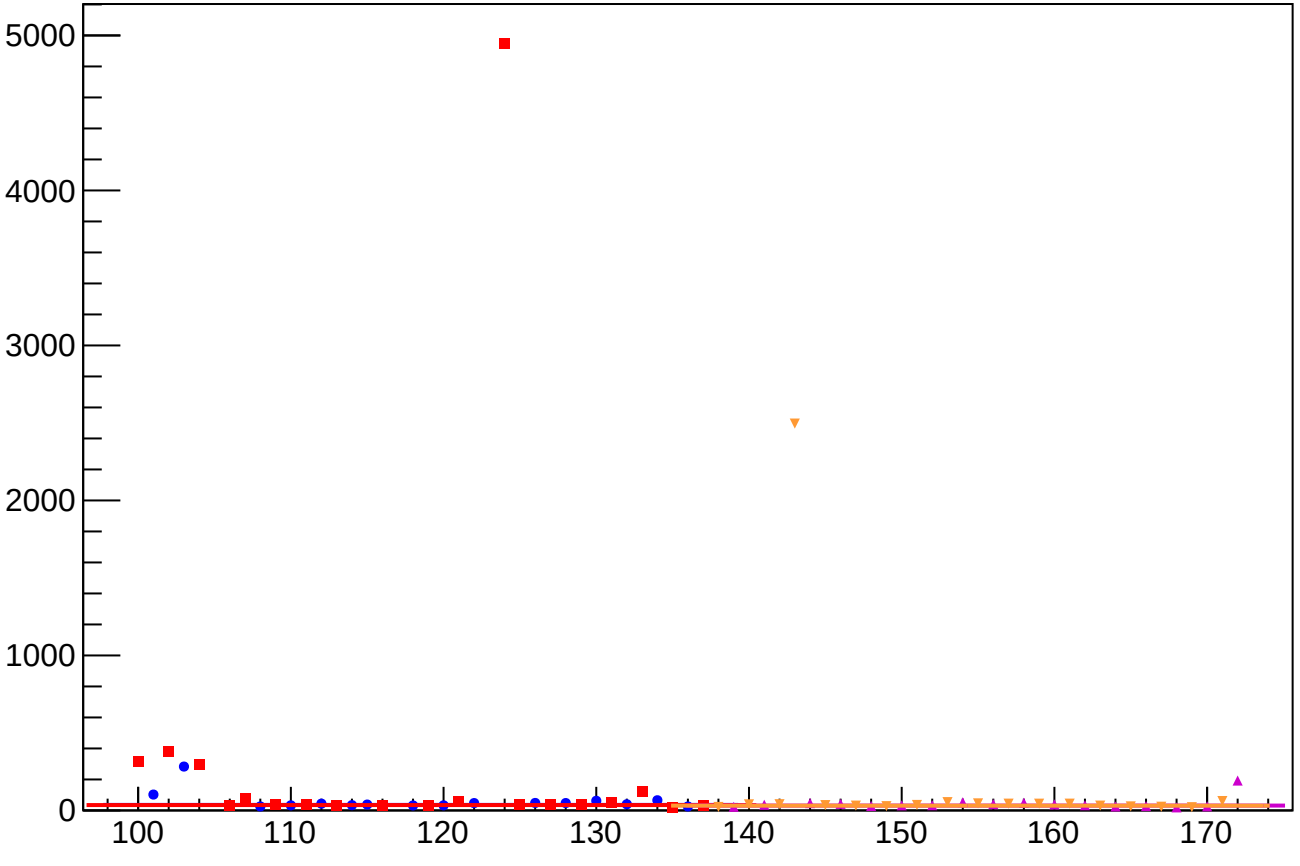
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/32

Out: -0.024+/-0.008 χ^2/NDF:40.0/36

All: -0.005+/-0.006 χ^2/NDF: 72.3/69

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: 31.046+/-0.007 χ^2/NDF:3389231.6/17

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: 31.261+/-0.005 χ^2/NDF: 6186856.1/34

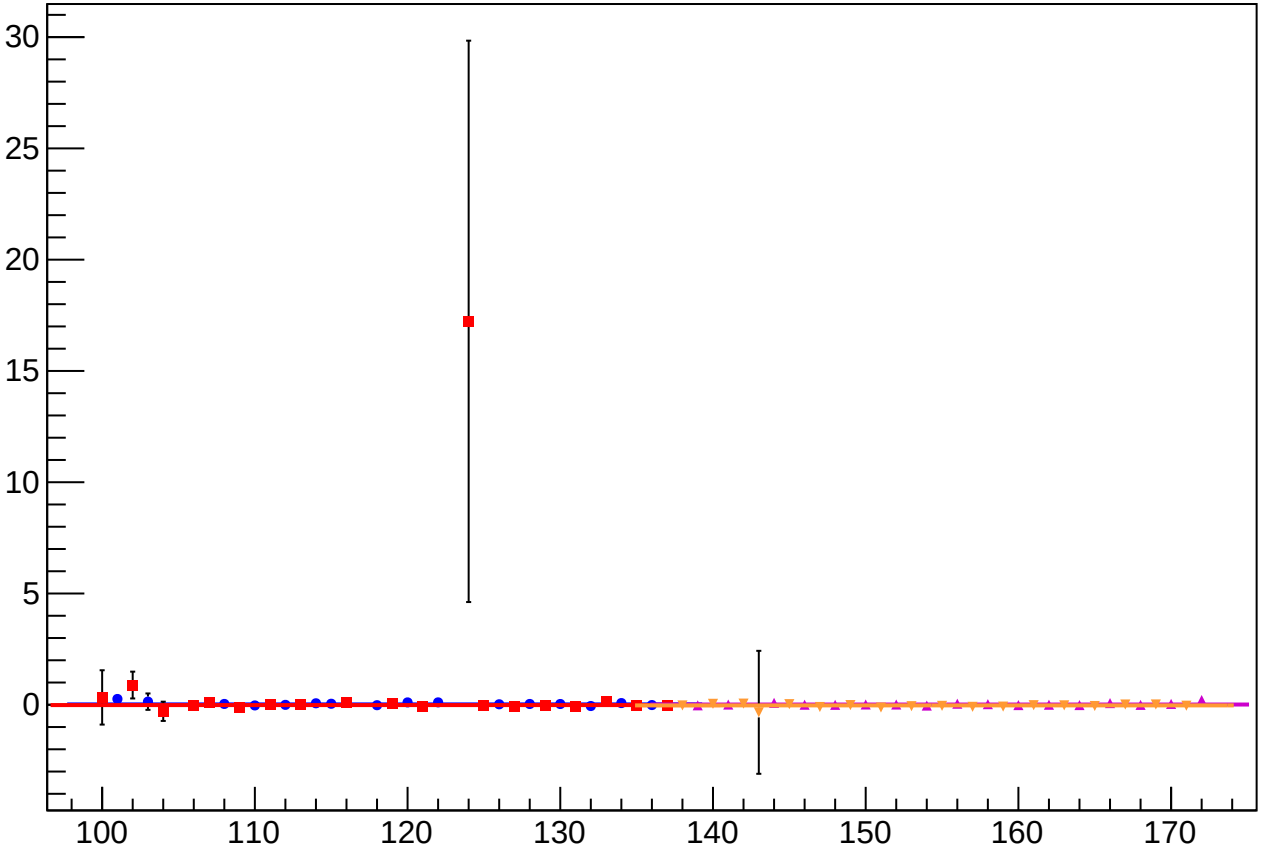
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 32.652+/-0.006 χ^2/NDF:5170689.4/32

Out: 32.068+/-0.006 χ^2/NDF:6387139.5/36

All: 32.361+/-0.004 χ^2/NDF: 11563000.5/69

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:23.4/17

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: 42.3/34

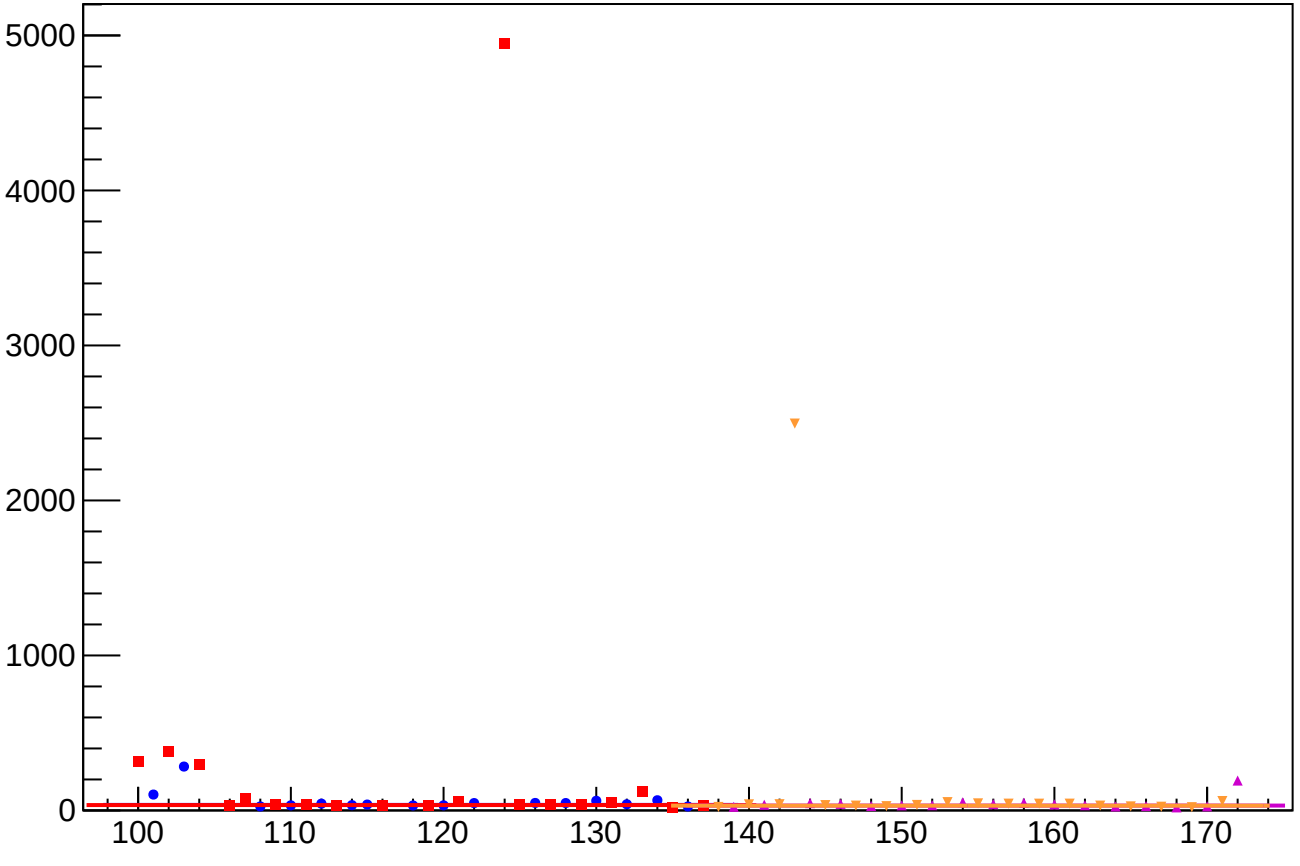
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/32

Out: -0.024+/-0.008 χ^2/NDF:40.0/36

All: -0.005+/-0.006 χ^2/NDF: 72.3/69

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: 31.046+/-0.007 χ^2/NDF:3389231.6/17

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.475+/-0.007 χ^2/NDF:2795602.4/16

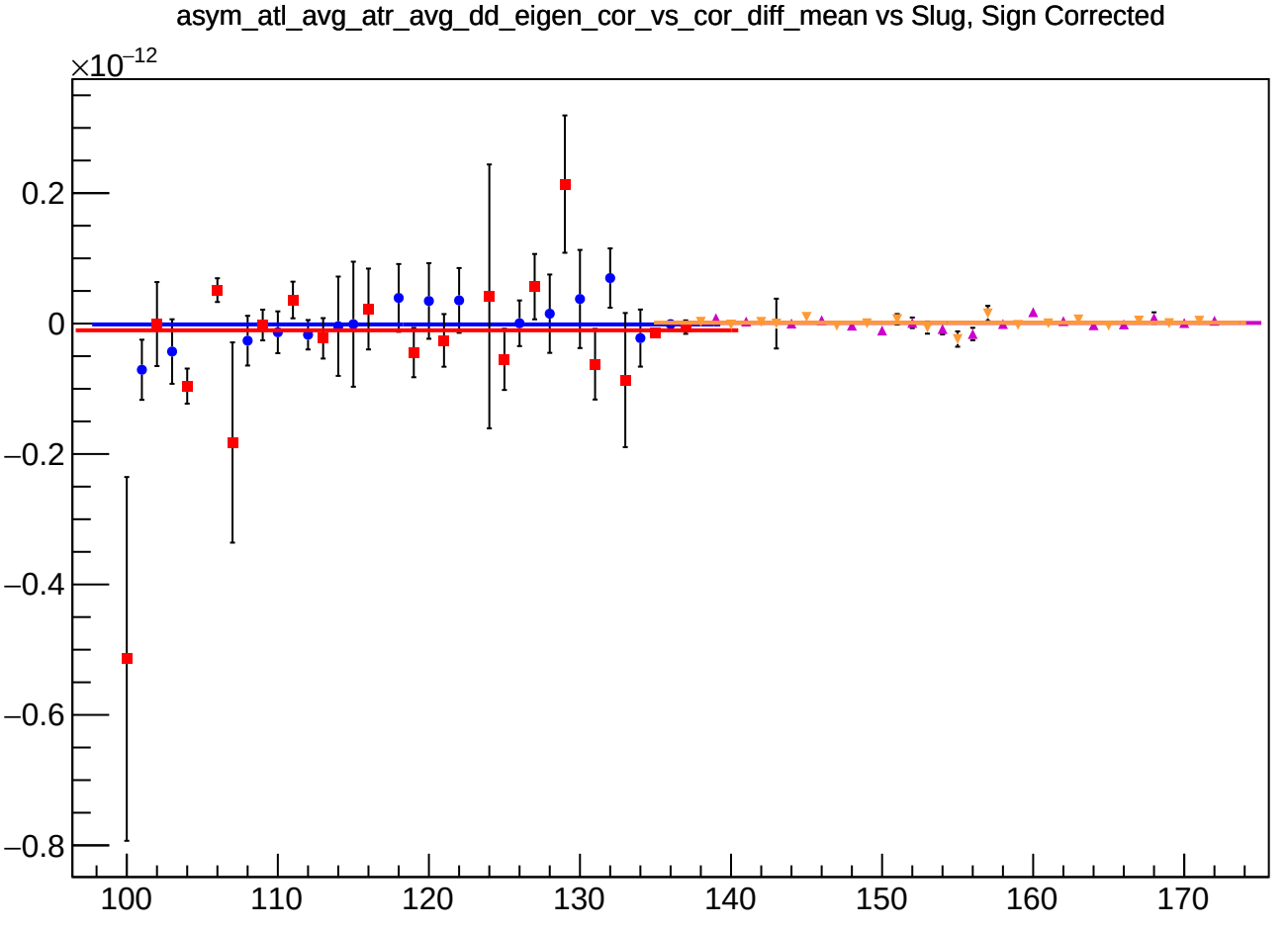
Left: 31.261+/-0.005 χ^2/NDF: 6186856.1/34

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 32.652+/-0.006 χ^2/NDF:5170689.4/32

Out: 32.068+/-0.006 χ^2/NDF:6387139.5/36

All: 32.361+/-0.004 χ^2/NDF: 11563000.5/69



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.0/17

Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/18

Left In: 0.000+/-0.000 χ^2/NDF:19.0/16

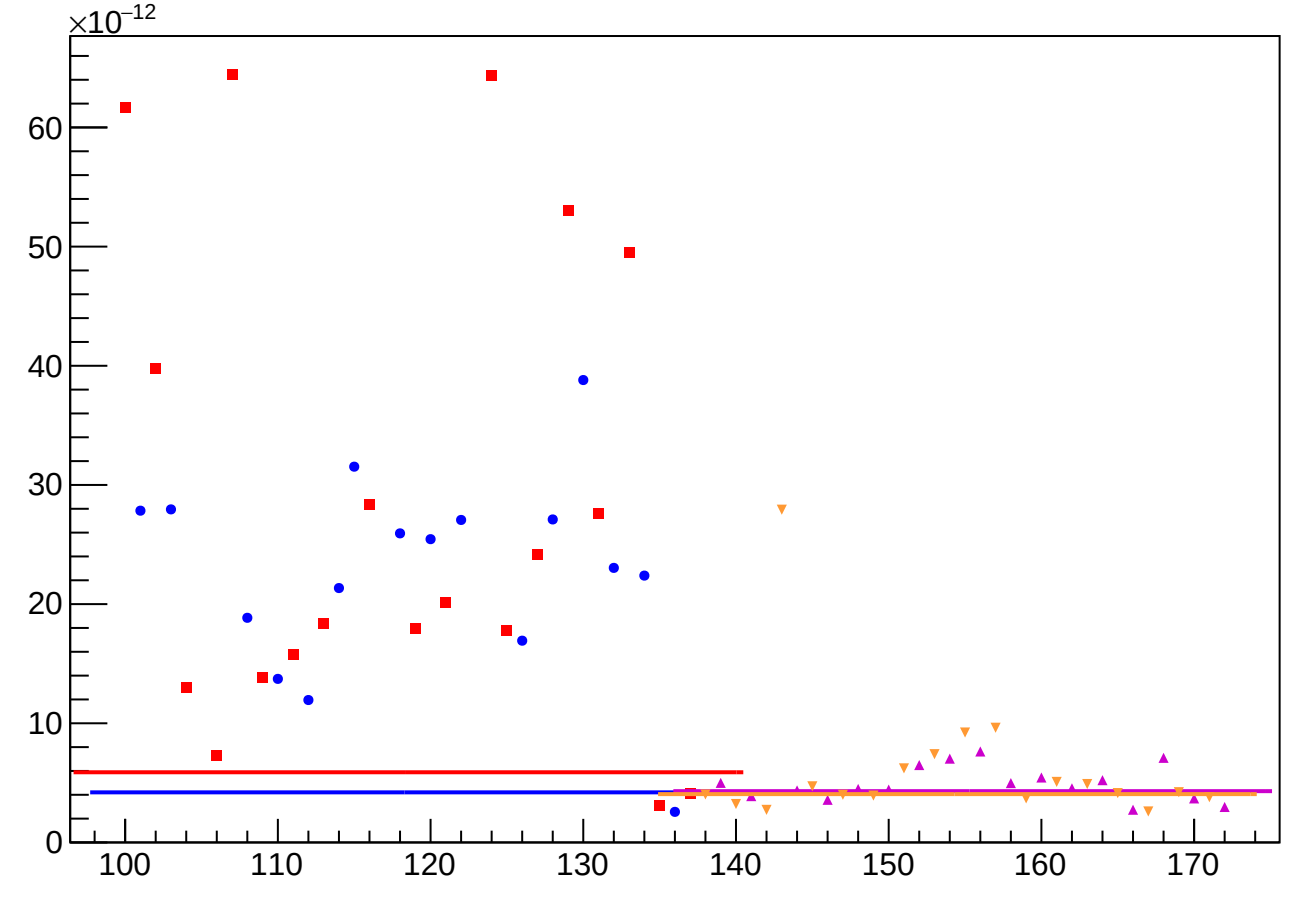
Left: 0.000+/-0.000 χ^2/NDF: 32.0/34

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:60.0/36

All: 0.000+/-0.000 χ^2/NDF: 88.0/69



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2663781.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1493959.3/16

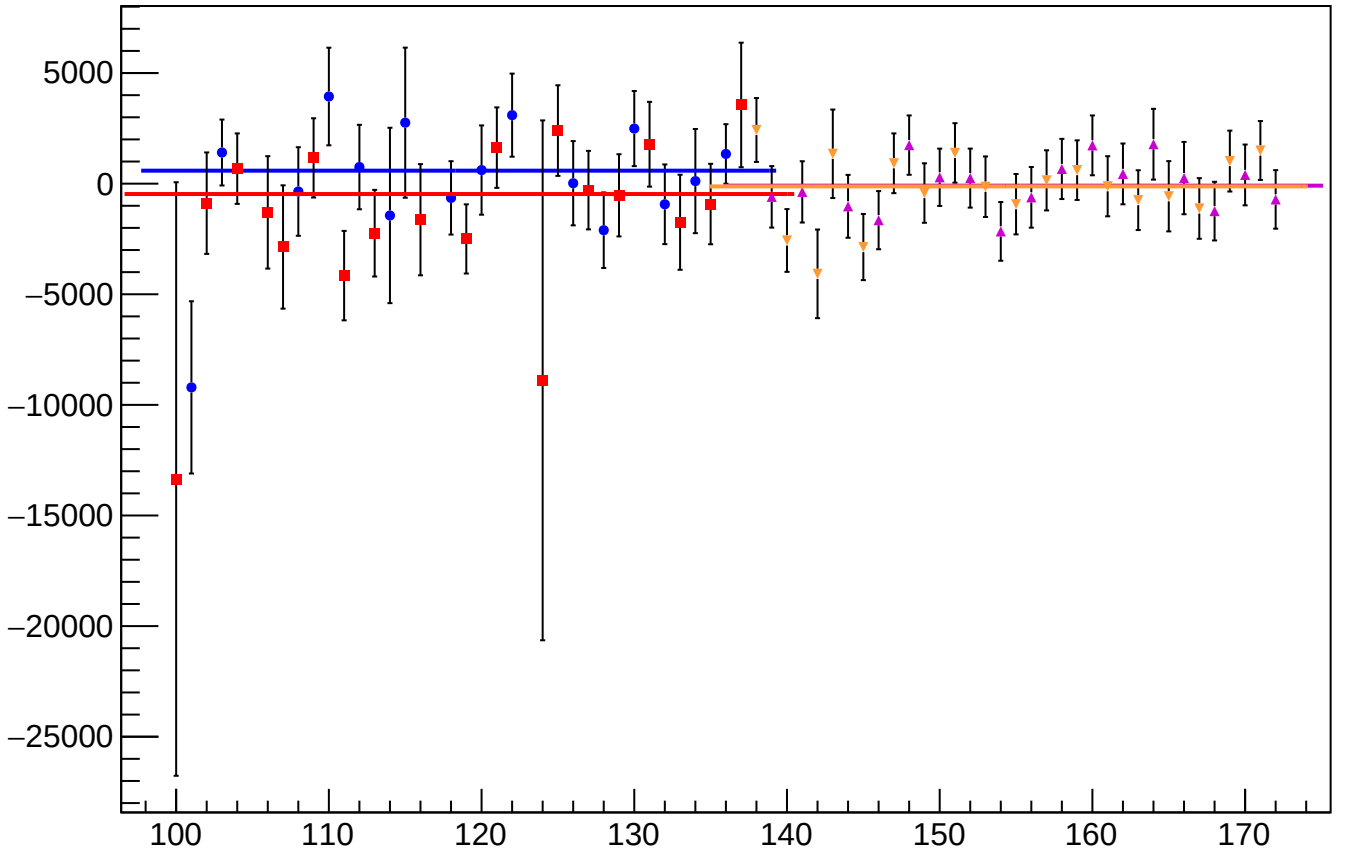
Left: 0.000+/-0.000 χ^2/NDF: 4189186.9/34

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:7871570.2/36

All: 0.000+/-0.000 χ^2/NDF: 14448739.8/69



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -123.603+/-336.112 χ^2/NDF:19.5/17

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -90.575+/-333.783 χ^2/NDF:11.4/16

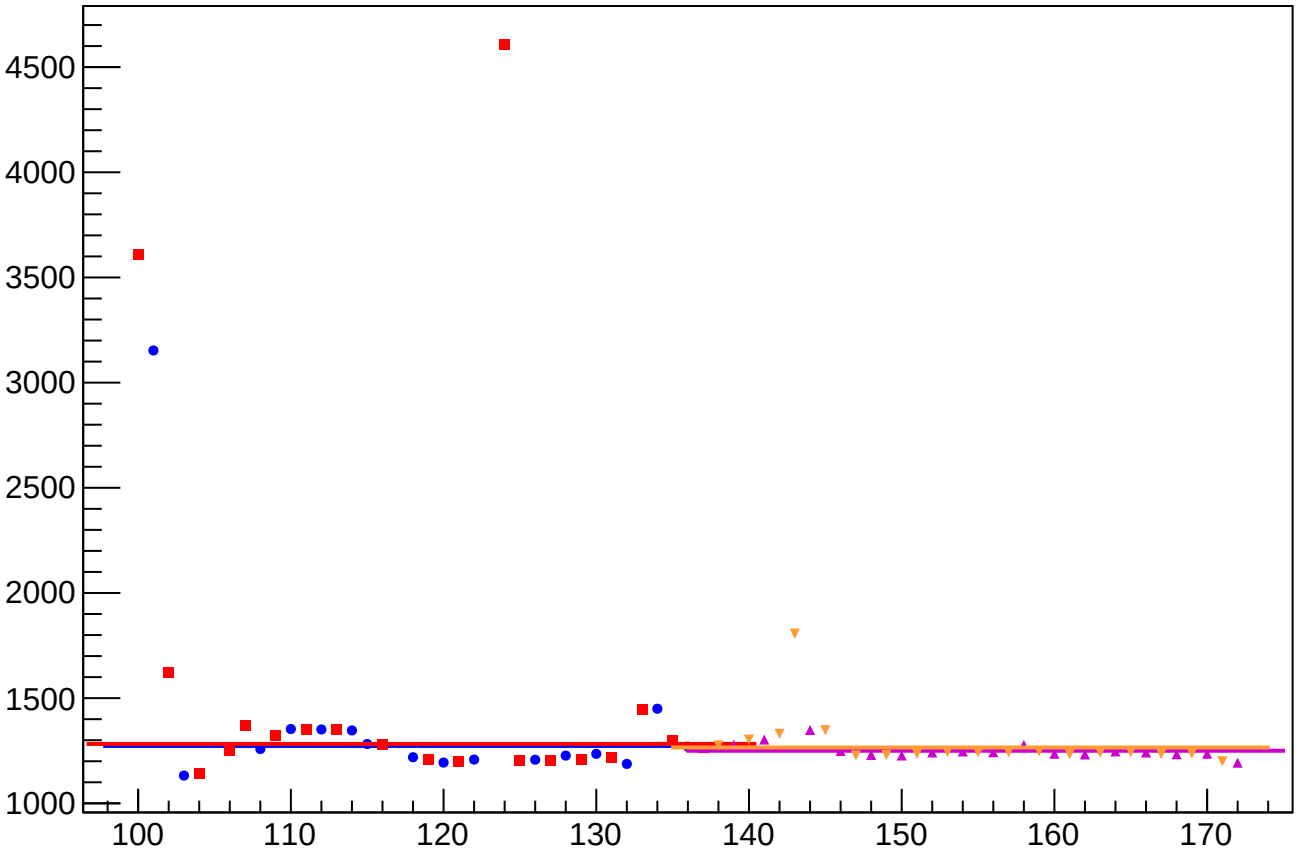
Left: -106.974+/-236.839 χ^2/NDF: 30.9/34

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 128.752+/-274.489 χ^2/NDF:29.8/32

Out: -237.081+/-275.421 χ^2/NDF:36.7/36

All: -53.545+/-194.422 χ^2/NDF: 67.4/69



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1265.405+/-0.238 χ^2/NDF:171106.9/17

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1250.015+/-0.236 χ^2/NDF:20248.3/16

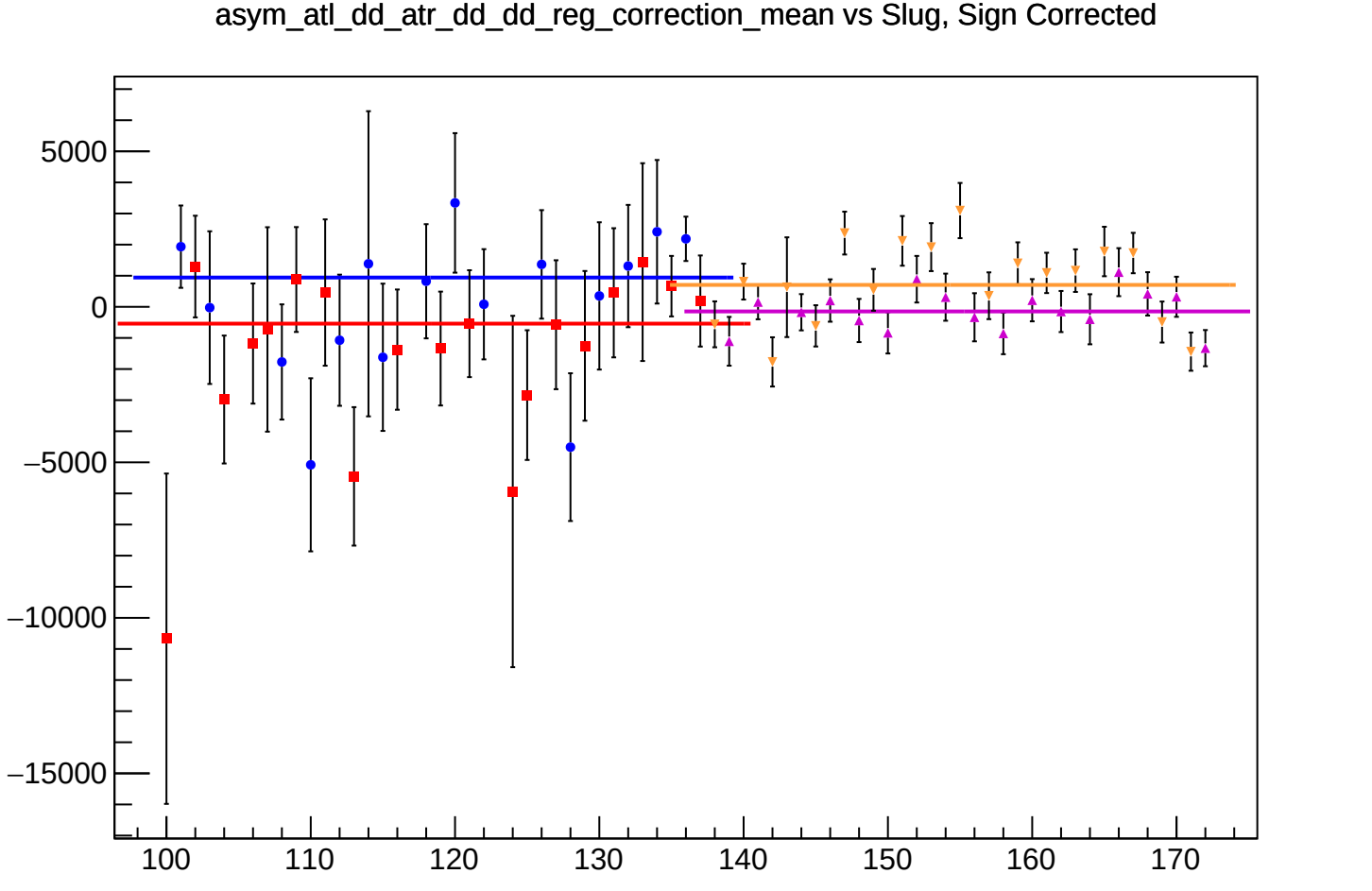
Left: 1257.657+/-0.167 χ^2/NDF: 193466.2/34

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

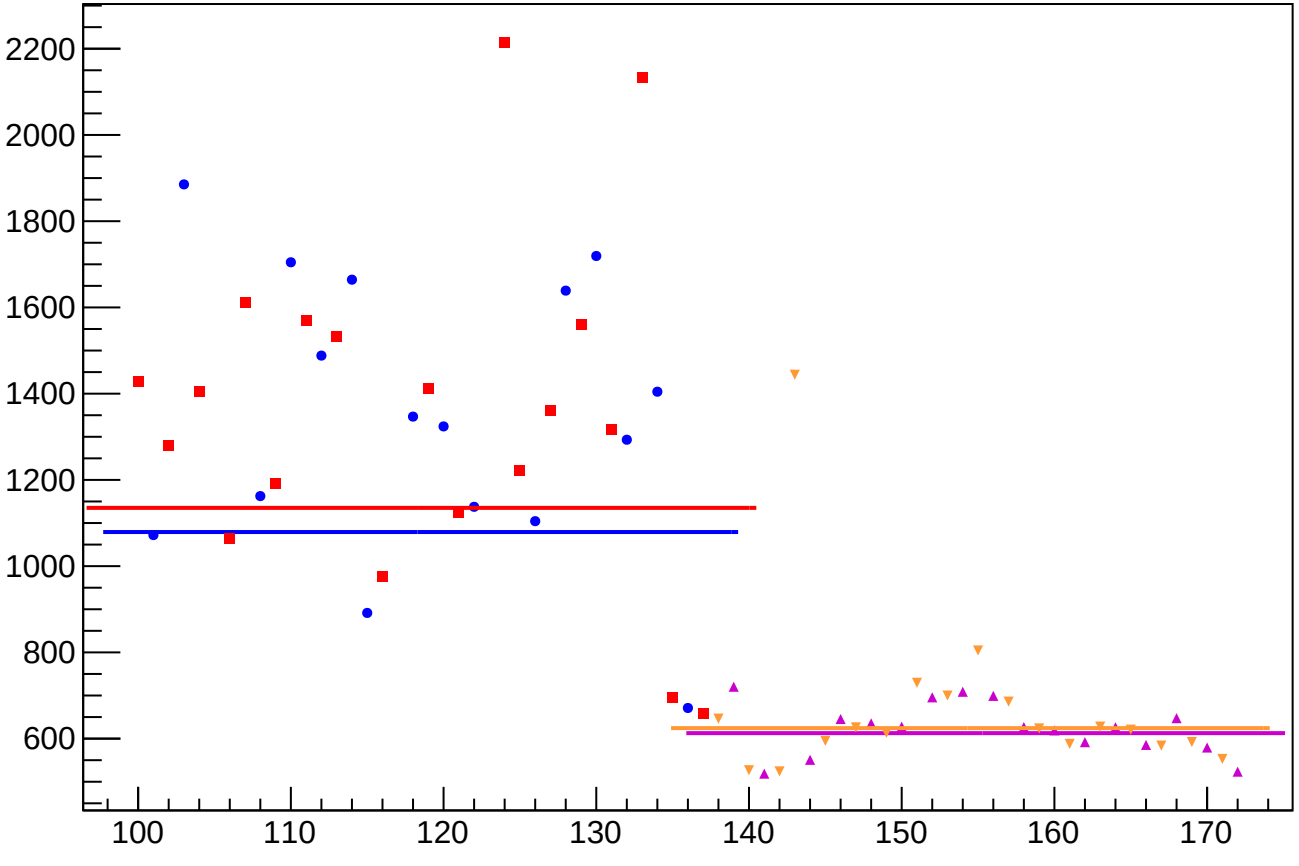
In: 1257.393+/-0.194 χ^2/NDF:542564.6/32

Out: 1270.977+/-0.195 χ^2/NDF:494858.5/36

All: 1264.162+/-0.137 χ^2/NDF: 1039863.9/69


asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 941.759+/-425.837 χ²/NDF: 19.9/15
Left Out: 704.776+/-168.260 χ²/NDF:57.3/17
Right Out: -540.622+/-439.905 χ²/NDF: 17.2/18
Left In: -148.040+/-164.697 χ²/NDF:15.1/16
Left: 269.243+/-117.698 χ²/NDF: 85.6/34
Right: 224.651+/-305.965 χ²/NDF: 42.9/34
In: -6.235+/-153.609 χ²/NDF:40.7/32
Out: 545.828+/-157.157 χ²/NDF:81.5/36
All: 263.495+/-109.851 χ²/NDF: 128.5/69

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: 624.370+/-0.119 χ^2/NDF:813716.4/17

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 612.733+/-0.116 χ^2/NDF:270769.5/16

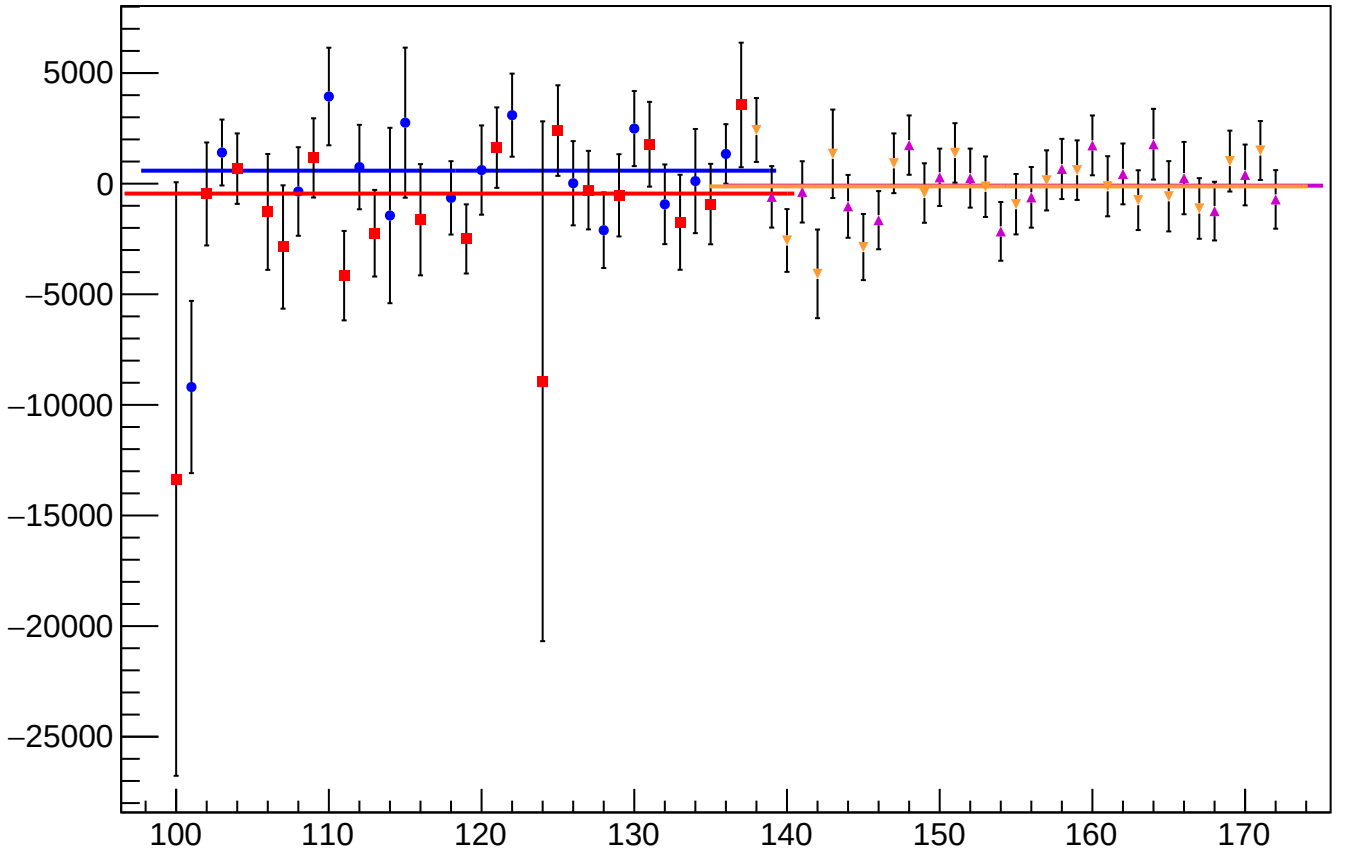
Left: 618.427+/-0.083 χ^2/NDF: 1089371.2/34

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 673.419+/-0.109 χ^2/NDF:3839870.1/32

Out: 689.561+/-0.111 χ^2/NDF:4459142.8/36

All: 681.306+/-0.078 χ^2/NDF: 8309803.1/69



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -123.668+/-336.112 χ^2/NDF:19.5/17

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -90.626+/-333.783 χ^2/NDF:11.4/16

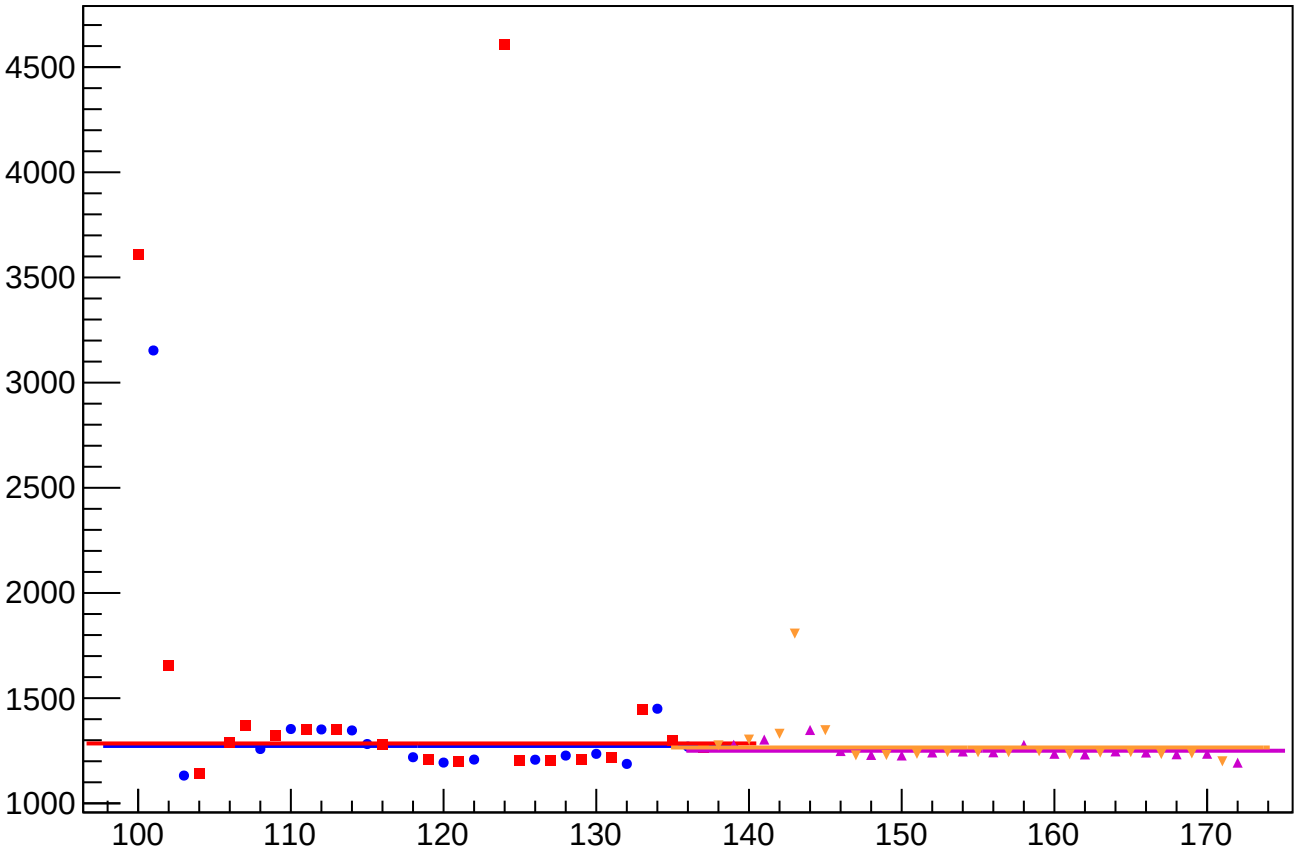
Left: -107.032+/-236.839 χ^2/NDF: 30.9/34

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 128.820+/-274.489 χ^2/NDF:29.8/32

Out: -230.114+/-275.574 χ^2/NDF:36.6/36

All: -49.939+/-194.476 χ^2/NDF: 67.2/69



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1265.405+/-0.238 χ^2/NDF:171106.8/17

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1250.015+/-0.236 χ^2/NDF:20248.3/16

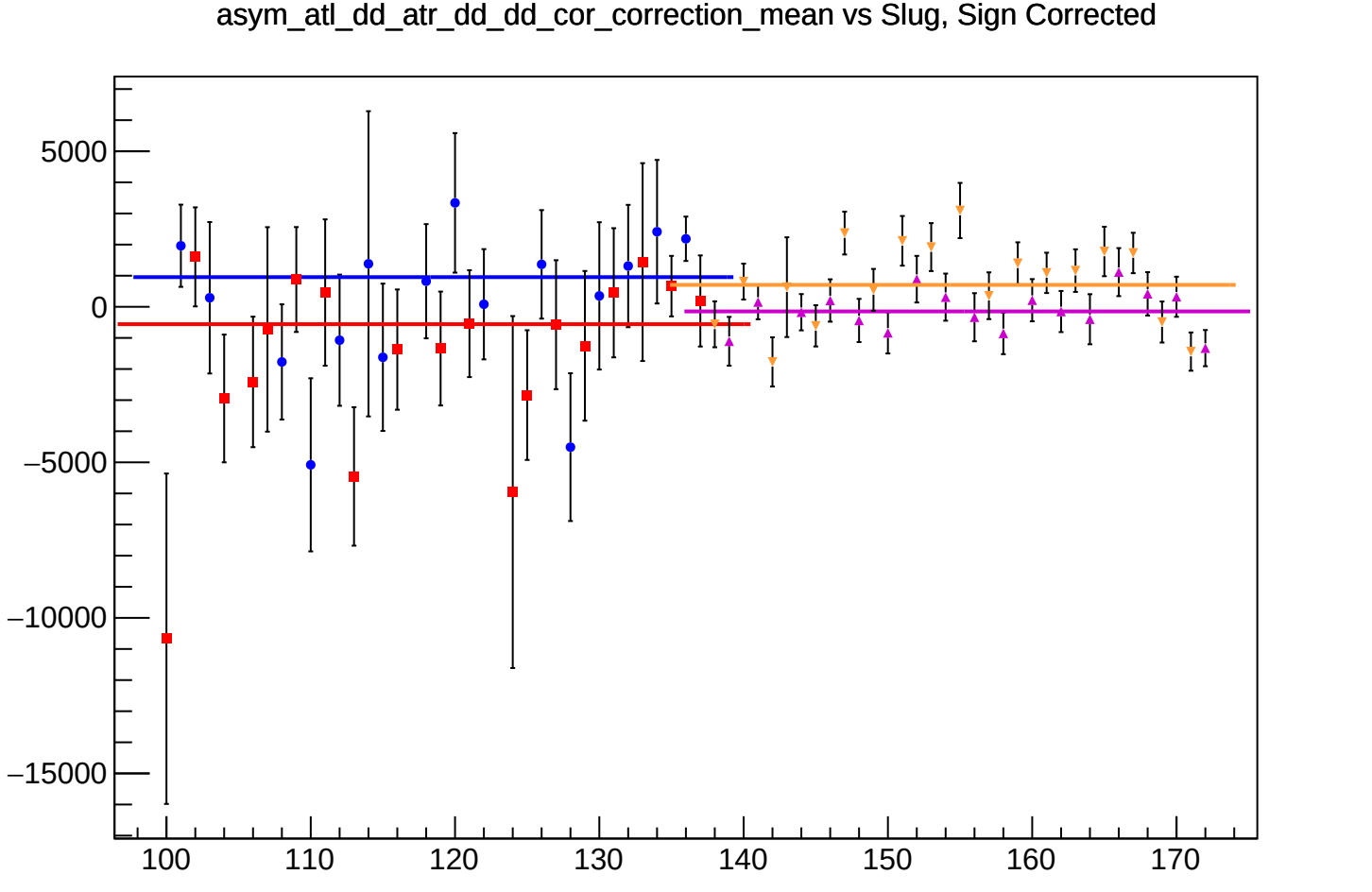
Left: 1257.657+/-0.167 χ^2/NDF: 193466.2/34

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

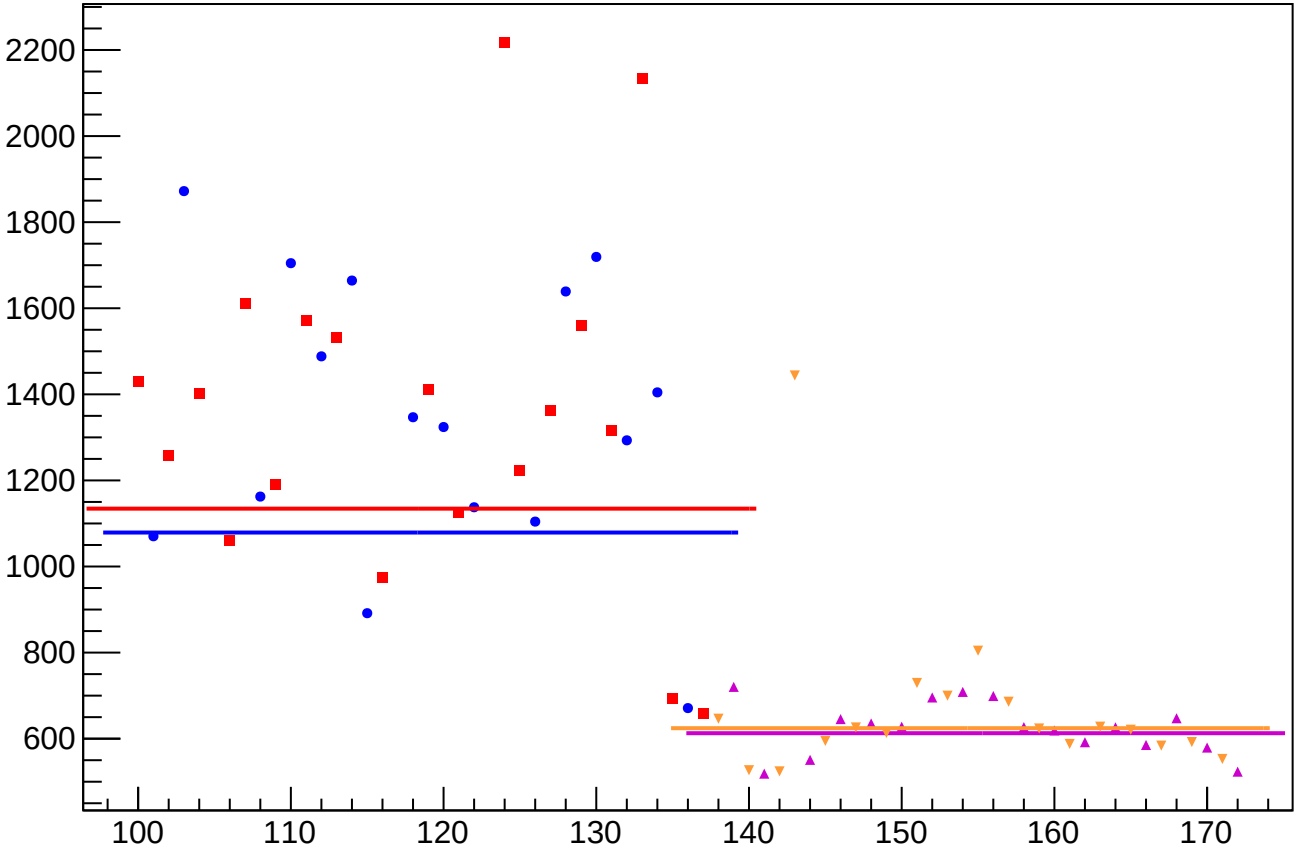
In: 1257.393+/-0.194 χ^2/NDF:542565.9/32

Out: 1271.715+/-0.195 χ^2/NDF:501992.0/36

All: 1264.525+/-0.138 χ^2/NDF: 1047269.6/69


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: 704.769+/-168.261 χ²/NDF:57.3/17
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -148.026+/-164.697 χ²/NDF:15.1/16
Left: 269.243+/-117.698 χ²/NDF: 85.6/34
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: -4.508+/-153.600 χ²/NDF:40.8/32
Out: 544.154+/-157.196 χ²/NDF:82.9/36
All: 263.475+/-109.861 χ²/NDF: 129.9/69

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: 624.375+/-0.119 χ^2/NDF:813628.8/17

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 612.730+/-0.116 χ^2/NDF:270782.3/16

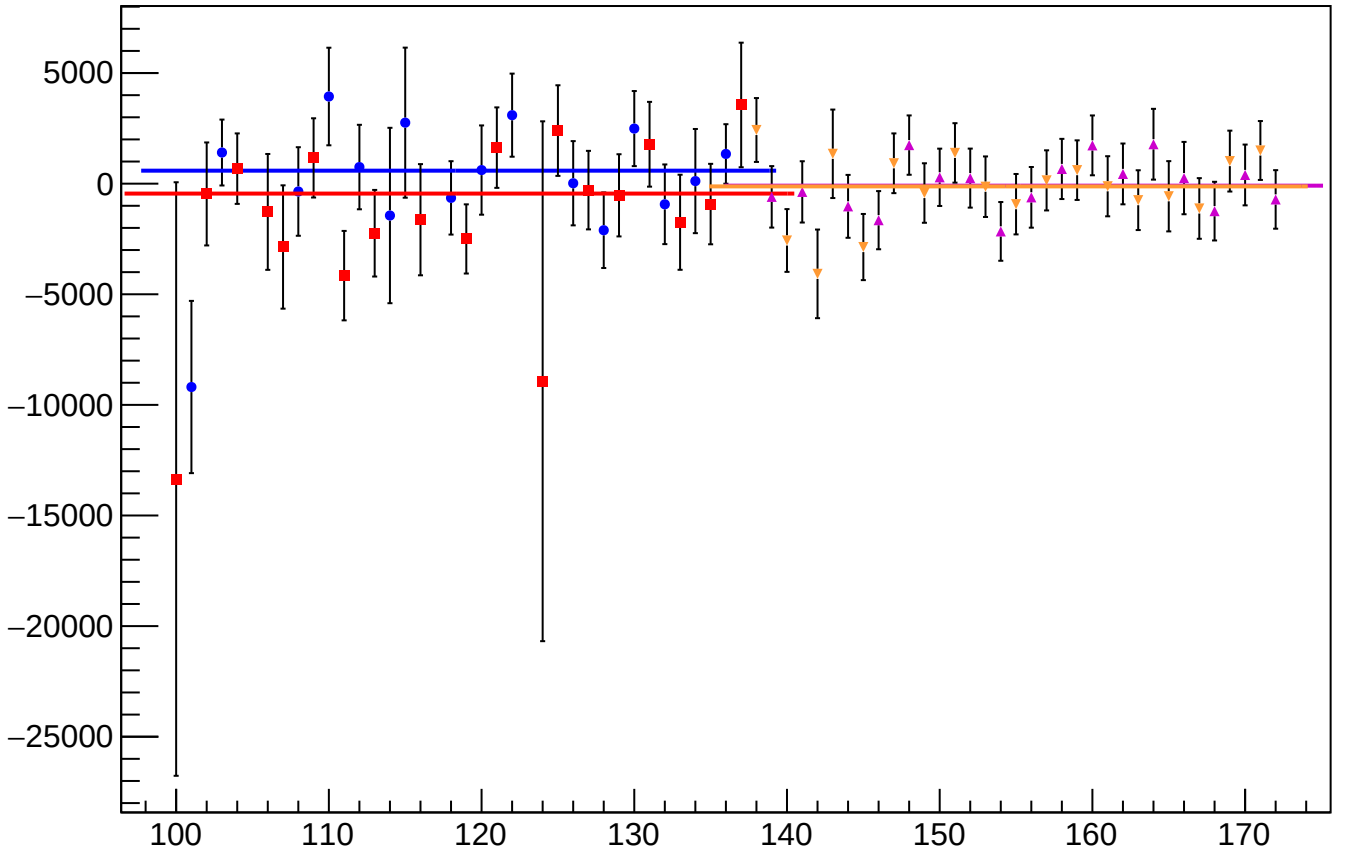
Left: 618.428+/-0.083 χ^2/NDF: 1089302.8/34

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 673.436+/-0.109 χ^2/NDF:3836218.9/32

Out: 689.253+/-0.111 χ^2/NDF:4440158.8/36

All: 681.162+/-0.078 χ^2/NDF: 8286736.1/69



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -123.668+/-336.112 χ^2/NDF:19.5/17

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -90.626+/-333.783 χ^2/NDF:11.4/16

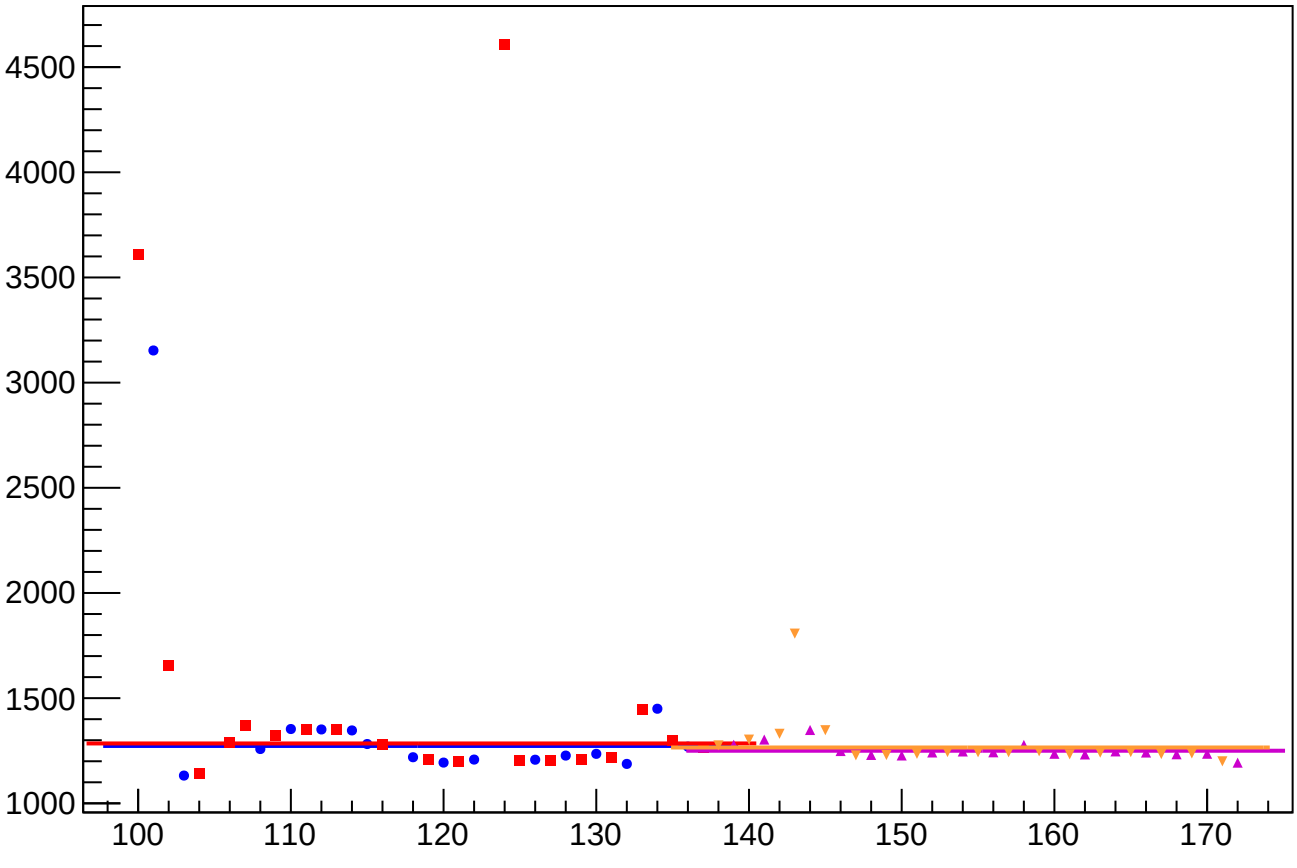
Left: -107.032+/-236.839 χ^2/NDF: 30.9/34

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 128.820+/-274.489 χ^2/NDF:29.8/32

Out: -230.114+/-275.574 χ^2/NDF:36.6/36

All: -49.939+/-194.476 χ^2/NDF: 67.2/69



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1265.405+/-0.238 χ^2/NDF:171106.8/17

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1250.015+/-0.236 χ^2/NDF:20248.3/16

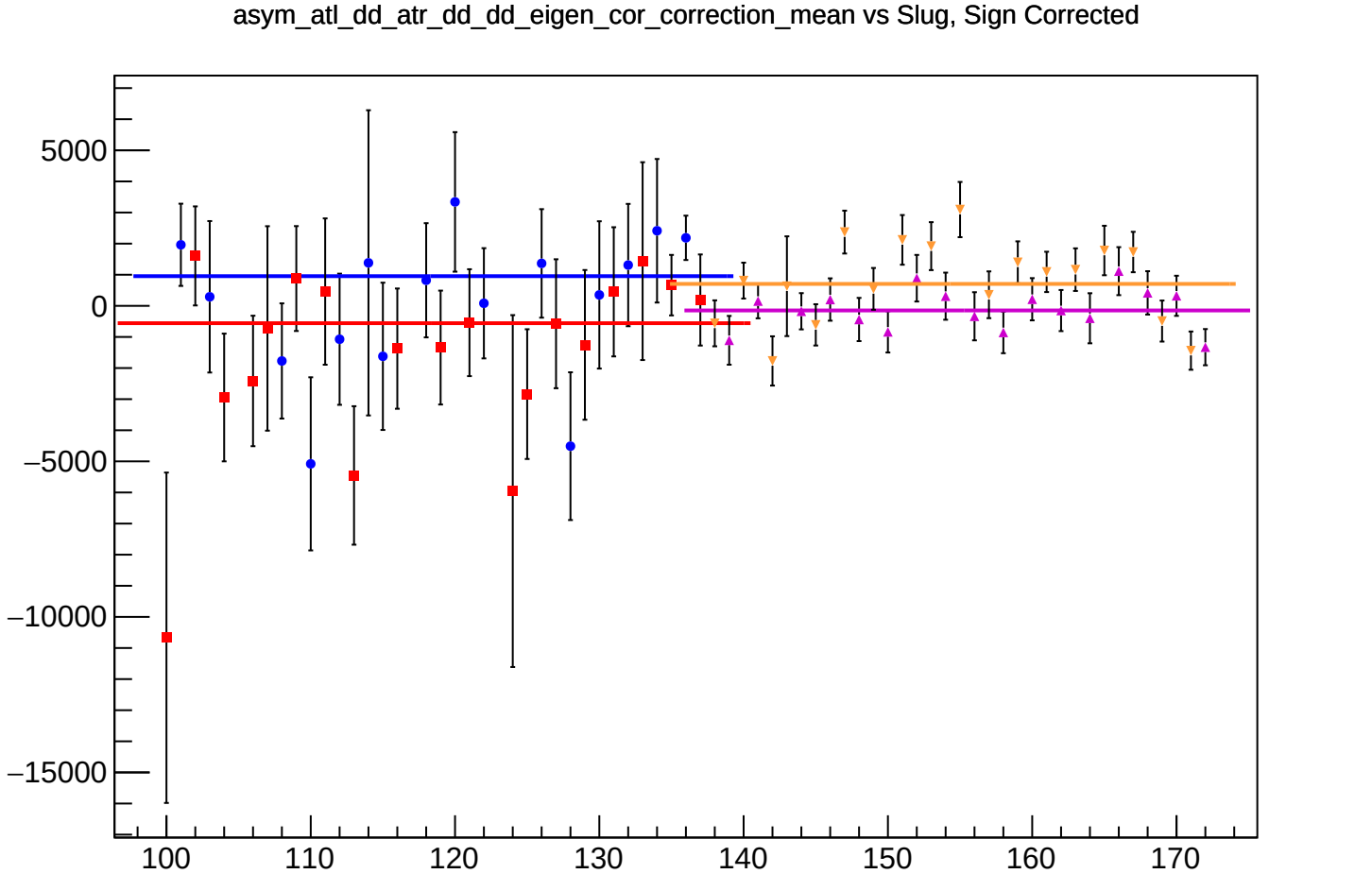
Left: 1257.657+/-0.167 χ^2/NDF: 193466.2/34

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1257.393+/-0.194 χ^2/NDF:542565.9/32

Out: 1271.715+/-0.195 χ^2/NDF:501992.0/36

All: 1264.525+/-0.138 χ^2/NDF: 1047269.6/69



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 704.769+/-168.261 χ^2/NDF:57.3/17

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: 269.243+/-117.698 χ^2/NDF: 85.6/34

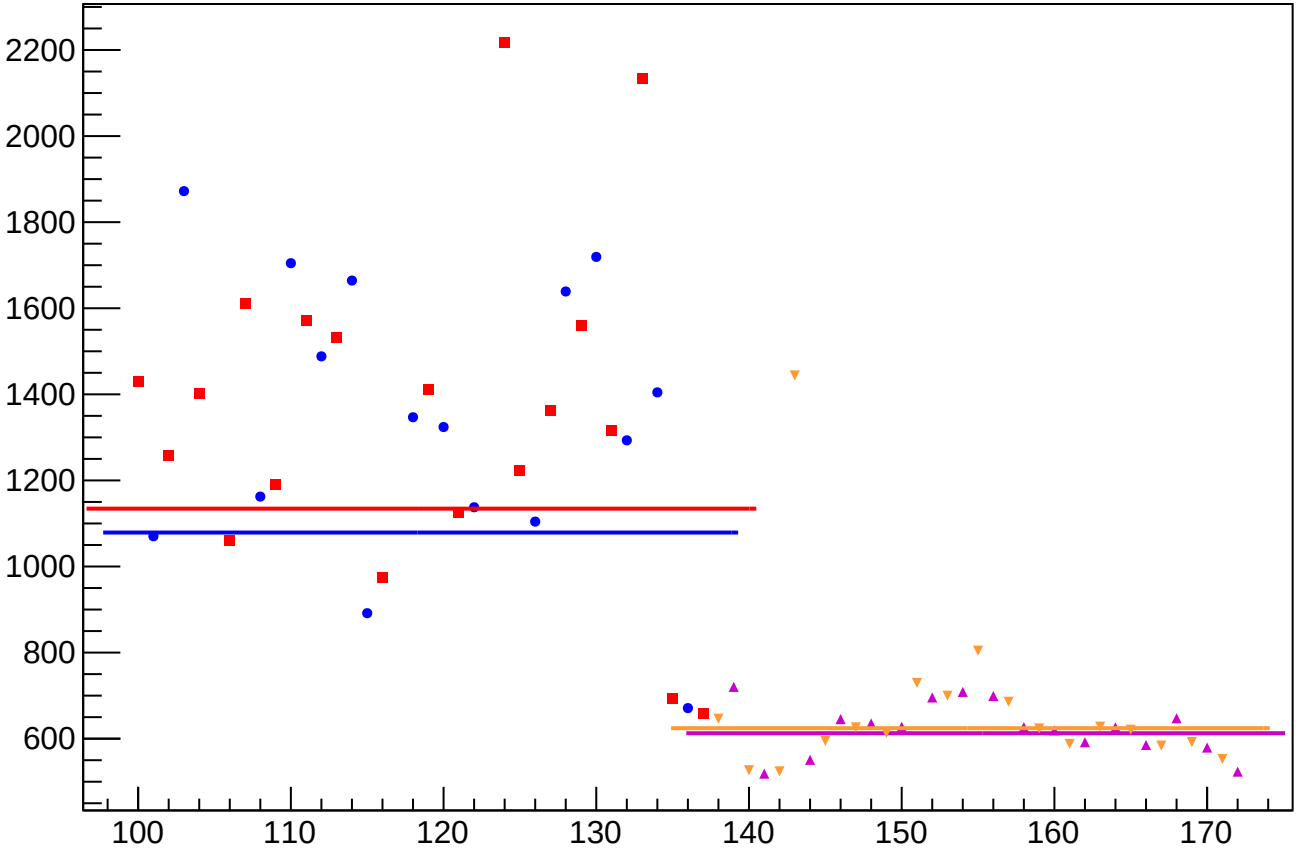
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -4.508+/-153.600 χ^2/NDF:40.8/32

Out: 544.154+/-157.196 χ^2/NDF:82.9/36

All: 263.475+/-109.861 χ^2/NDF: 129.9/69

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: 624.375+/-0.119 χ^2/NDF:813628.8/17

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 612.730+/-0.116 χ^2/NDF:270782.3/16

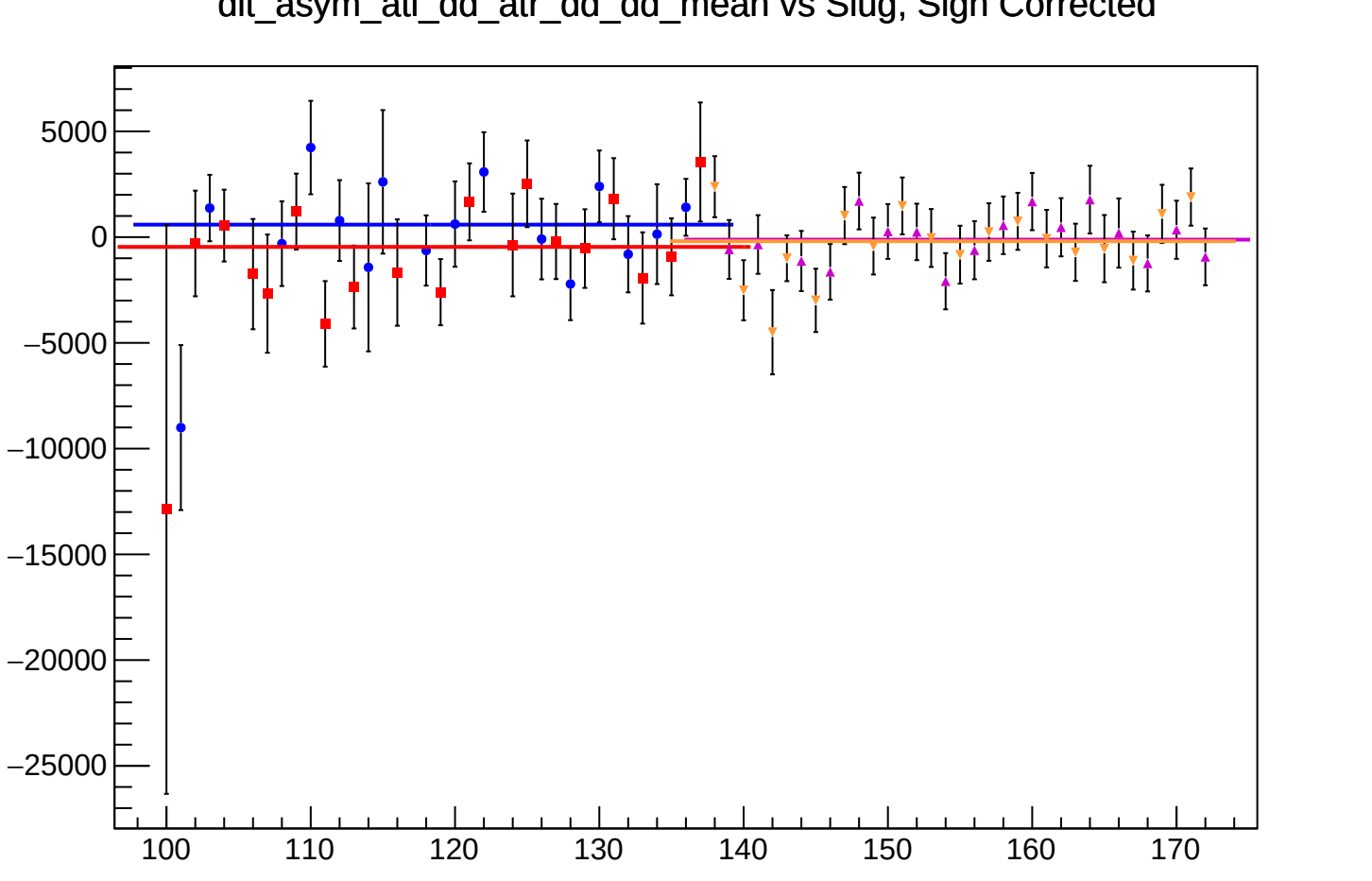
Left: 618.428+/-0.083 χ^2/NDF: 1089302.8/34

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 673.436+/-0.109 χ^2/NDF:3836218.9/32

Out: 689.253+/-0.111 χ^2/NDF:4440158.8/36

All: 681.162+/-0.078 χ^2/NDF: 8286736.1/69



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -193.203+/-325.732 χ^2/NDF:21.7/17

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -119.011+/-334.326 χ^2/NDF:11.2/16

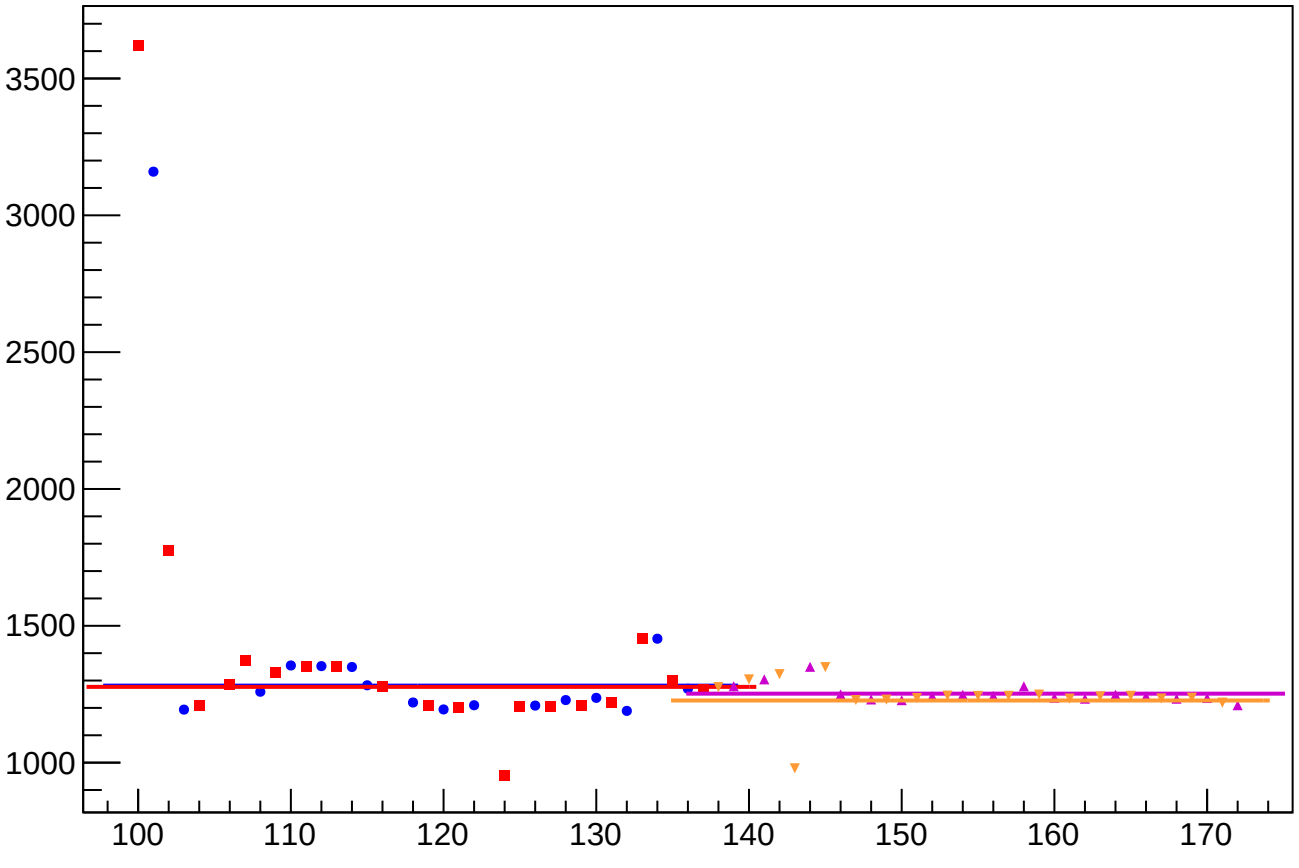
Left: -157.072+/-233.306 χ^2/NDF: 32.8/34

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 109.168+/-275.351 χ^2/NDF:29.7/32

Out: -278.929+/-268.959 χ^2/NDF:38.6/36

All: -89.437+/-192.403 χ^2/NDF: 69.3/69



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1227.116+/-0.230 χ^2/NDF:132970.8/17

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: 1239.275+/-0.165 χ^2/NDF: 157286.0/34

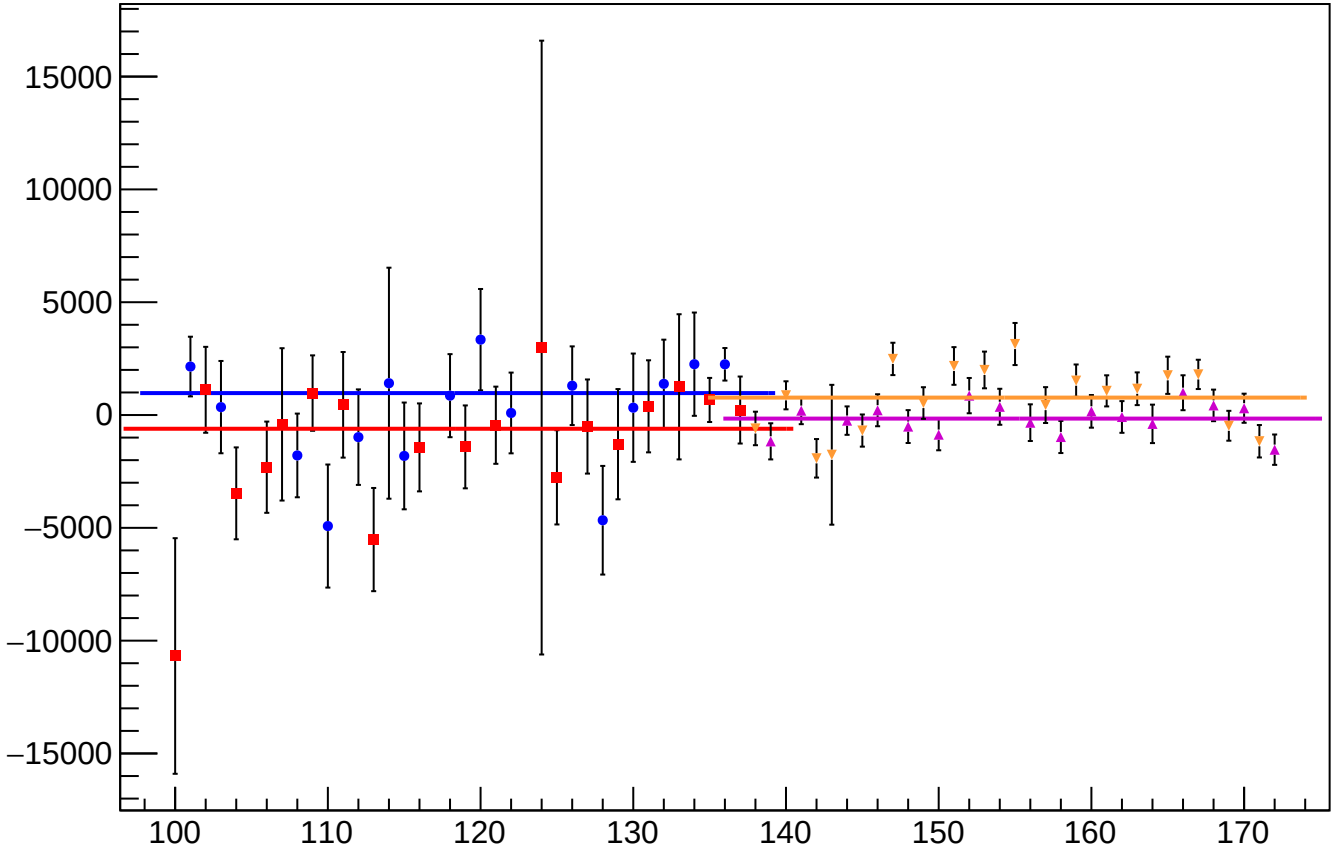
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1261.505+/-0.195 χ^2/NDF:530607.2/32

Out: 1242.945+/-0.190 χ^2/NDF:368326.7/36

All: 1252.007+/-0.136 χ^2/NDF: 903583.6/69

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: 772.412+/-178.147 χ^2/NDF:52.1/17

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: 295.290+/-124.364 χ^2/NDF: 81.0/34

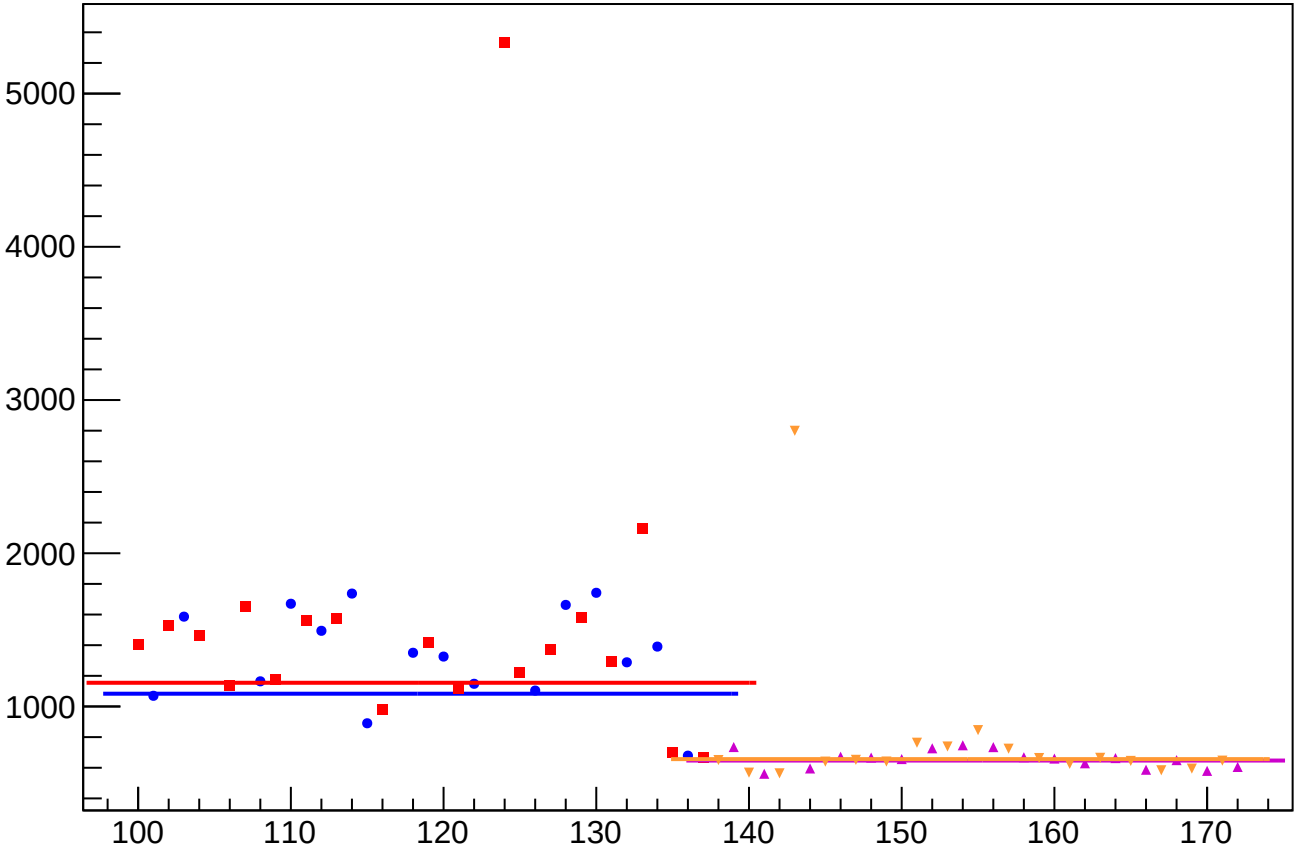
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 3.394+/-160.794 χ^2/NDF:41.4/32

Out: 583.686+/-165.525 χ^2/NDF:77.5/36

All: 285.129+/-115.335 χ^2/NDF: 125.1/69

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 656.452+/-0.126 χ^2/NDF:1220528.3/17

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 647.125+/-0.123 χ^2/NDF:204708.0/16

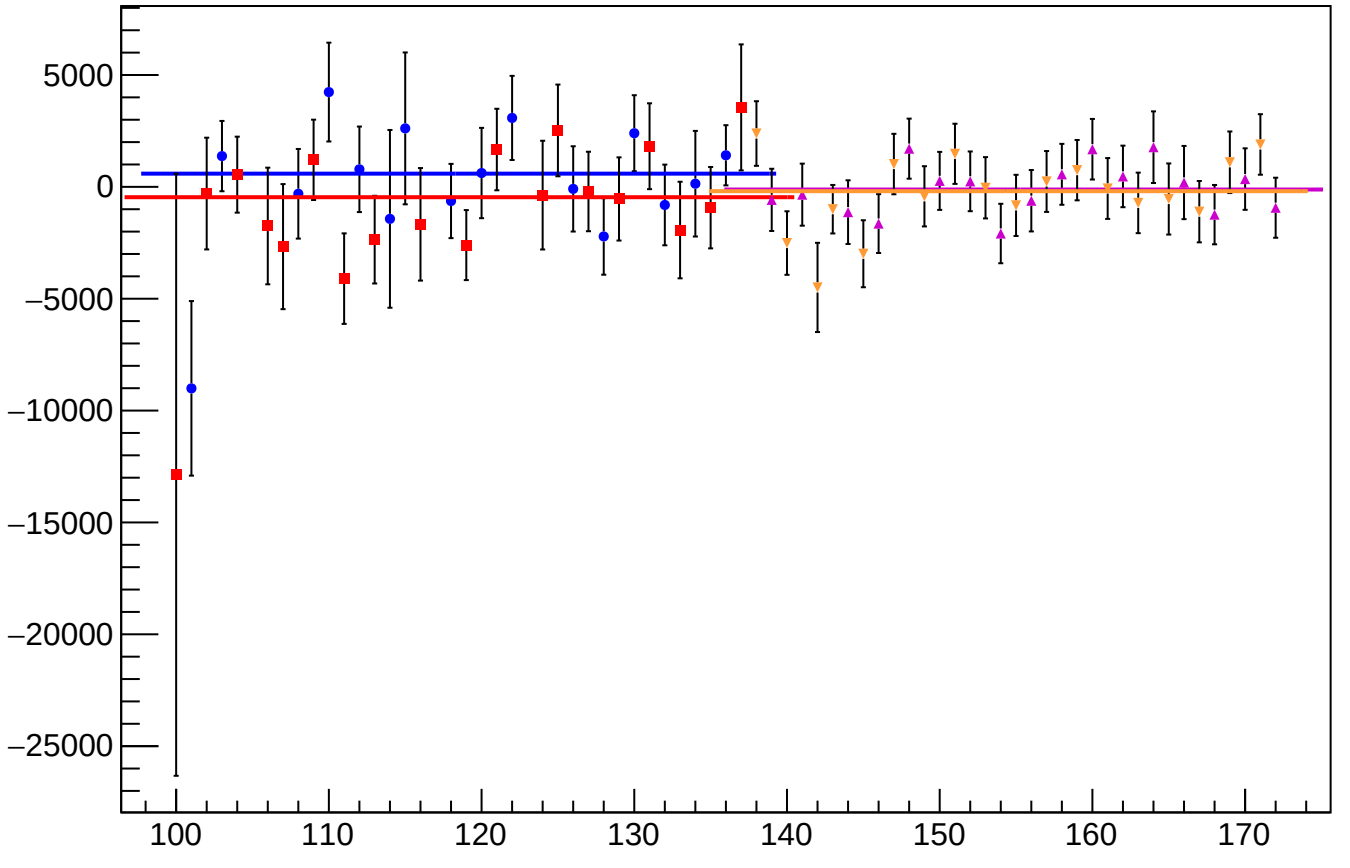
Left: 651.670+/-0.088 χ^2/NDF: 1428047.1/34

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 709.500+/-0.114 χ^2/NDF:3368626.4/32

Out: 724.554+/-0.117 χ^2/NDF:4847272.9/36

All: 716.809+/-0.082 χ^2/NDF: 8224409.8/69



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -193.205+/-325.732 χ^2/NDF:21.7/17

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -119.010+/-334.326 χ^2/NDF:11.2/16

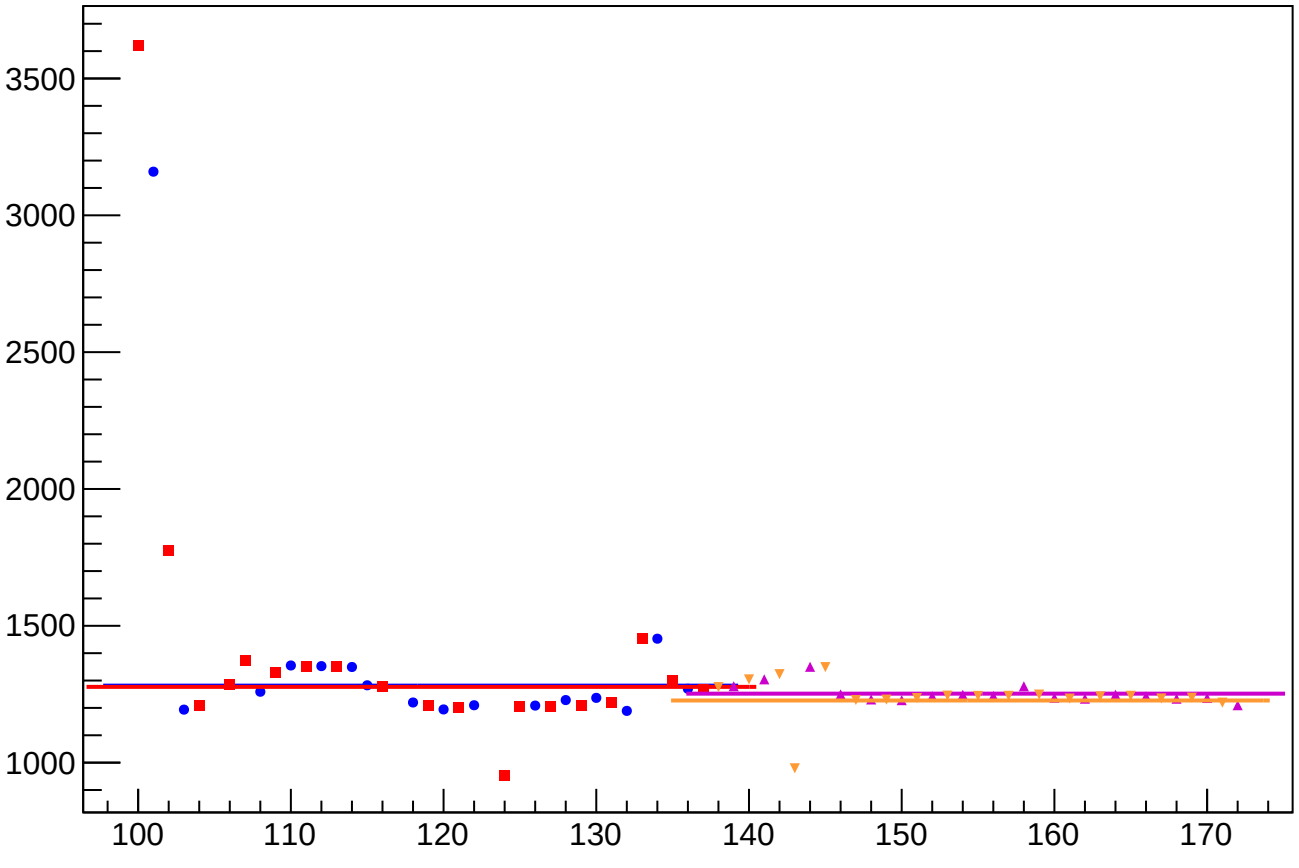
Left: -157.073+/-233.306 χ^2/NDF: 32.8/34

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 109.170+/-275.351 χ^2/NDF:29.7/32

Out: -278.930+/-268.959 χ^2/NDF:38.6/36

All: -89.437+/-192.403 χ^2/NDF: 69.3/69



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1227.116+/-0.230 χ^2/NDF:132970.1/17

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1252.084+/-0.236 χ^2/NDF:18592.7/16

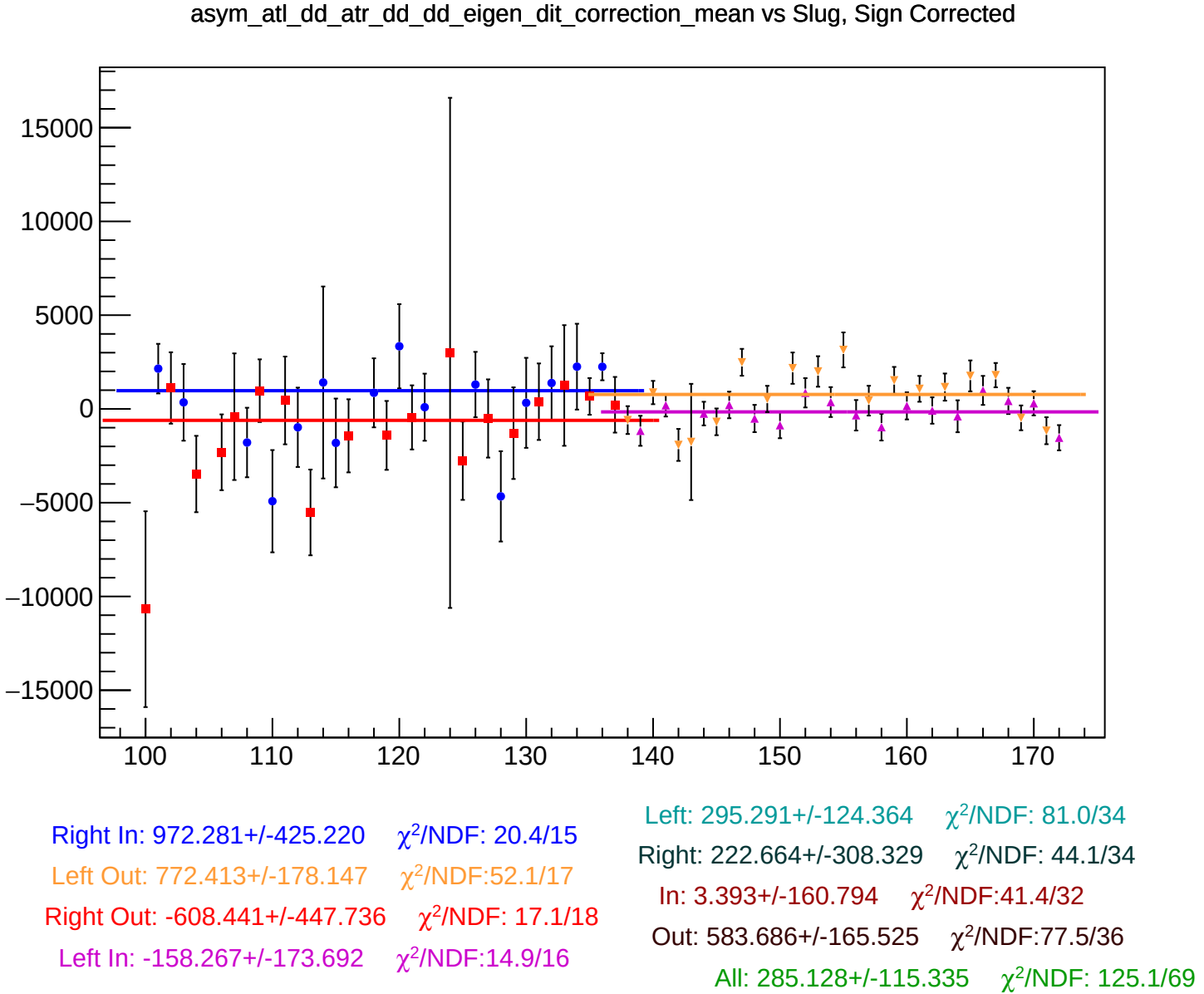
Left: 1239.275+/-0.165 χ^2/NDF: 157285.3/34

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

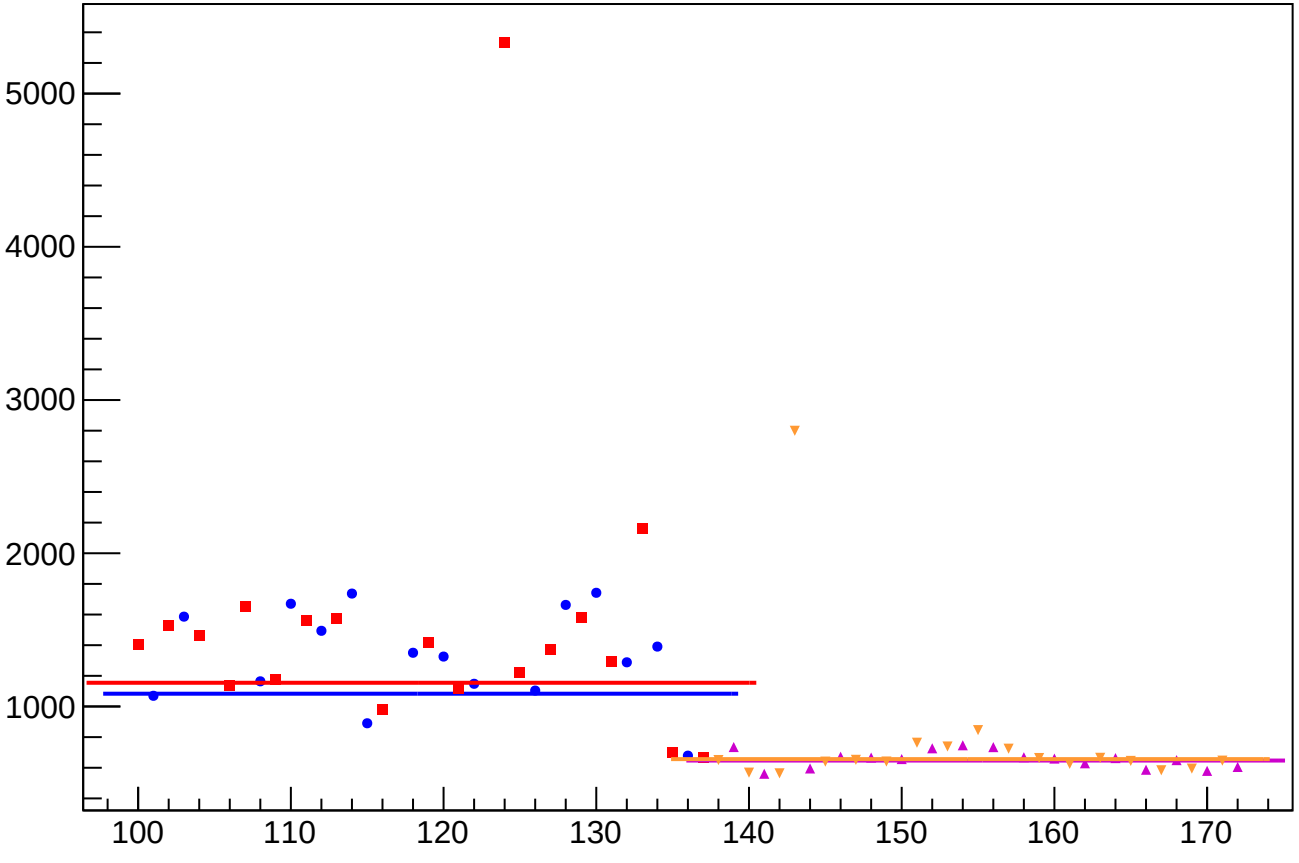
In: 1261.505+/-0.195 χ^2/NDF:530607.5/32

Out: 1242.945+/-0.190 χ^2/NDF:368325.7/36

All: 1252.007+/-0.136 χ^2/NDF: 903582.9/69


asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 972.281+/-425.220 χ²/NDF: 20.4/15
Left Out: 772.413+/-178.147 χ²/NDF:52.1/17
Right Out: -608.441+/-447.736 χ²/NDF: 17.1/18
Left In: -158.267+/-173.692 χ²/NDF:14.9/16
Left: 295.291+/-124.364 χ²/NDF: 81.0/34
Right: 222.664+/-308.329 χ²/NDF: 44.1/34
In: 3.393+/-160.794 χ²/NDF:41.4/32
Out: 583.686+/-165.525 χ²/NDF:77.5/36
All: 285.128+/-115.335 χ²/NDF: 125.1/69

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 656.452+/-0.126 χ^2/NDF:1220524.1/17

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 647.124+/-0.123 χ^2/NDF:204712.5/16

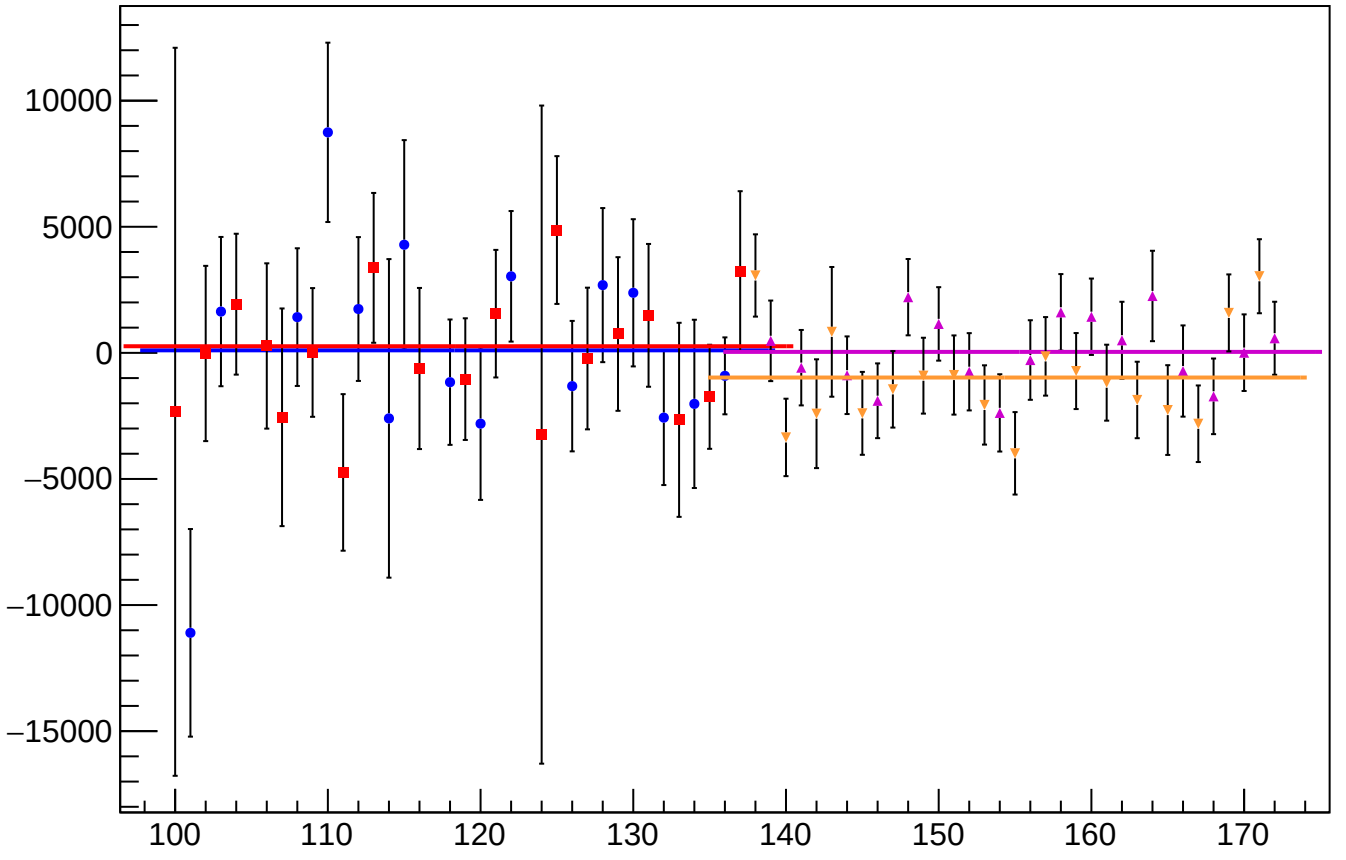
Left: 651.670+/-0.088 χ^2/NDF: 1428047.9/34

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 709.500+/-0.114 χ^2/NDF:3368621.3/32

Out: 724.554+/-0.117 χ^2/NDF:4847261.8/36

All: 716.809+/-0.082 χ^2/NDF: 8224394.5/69



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -977.982+/-378.844 χ^2/NDF:27.2/17

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: -463.098+/-266.150 χ^2/NDF: 43.8/34

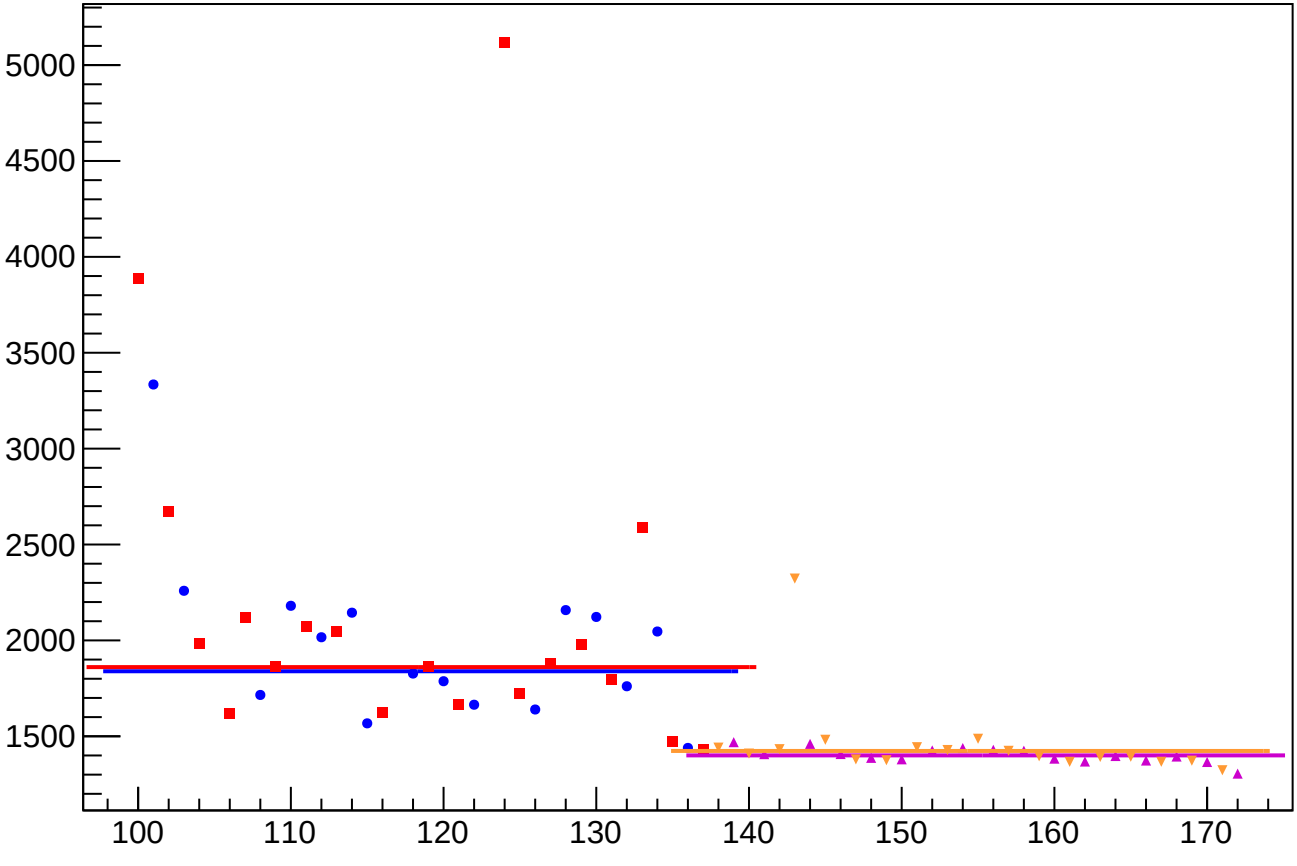
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 52.417+/-329.754 χ^2/NDF:34.3/32

Out: -696.730+/-333.149 χ^2/NDF:39.9/36

All: -318.319+/-234.363 χ^2/NDF: 76.8/69

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: 1423.537+/-0.268 χ^2/NDF:273635.8/17

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1400.431+/-0.264 χ^2/NDF:21658.6/16

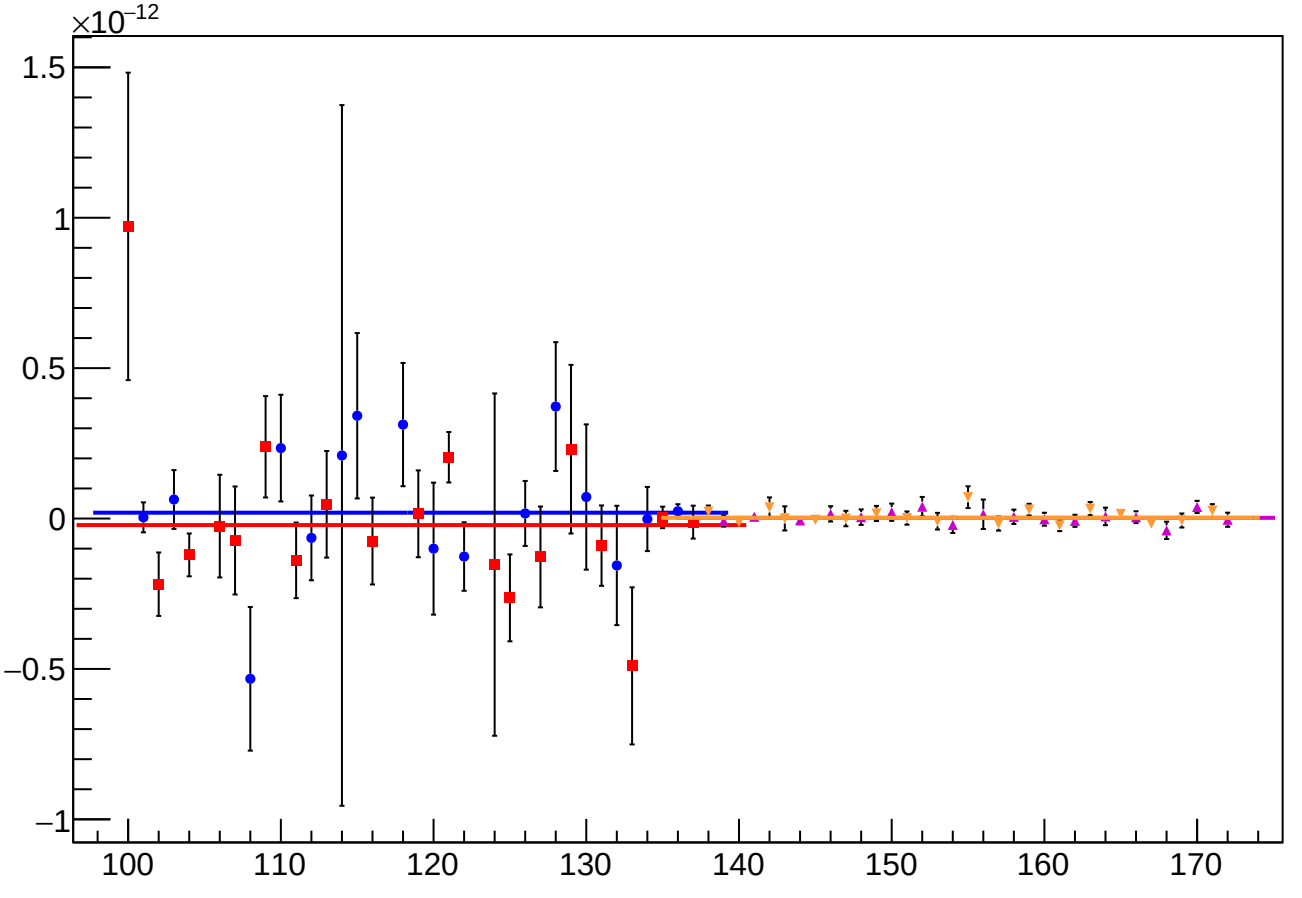
Left: 1411.835+/-0.188 χ^2/NDF: 299062.5/34

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1498.064+/-0.233 χ^2/NDF:1190827.1/32

Out: 1522.650+/-0.236 χ^2/NDF:1399605.4/36

All: 1510.231+/-0.166 χ^2/NDF: 2595934.5/69



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.4/17

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9.3/16

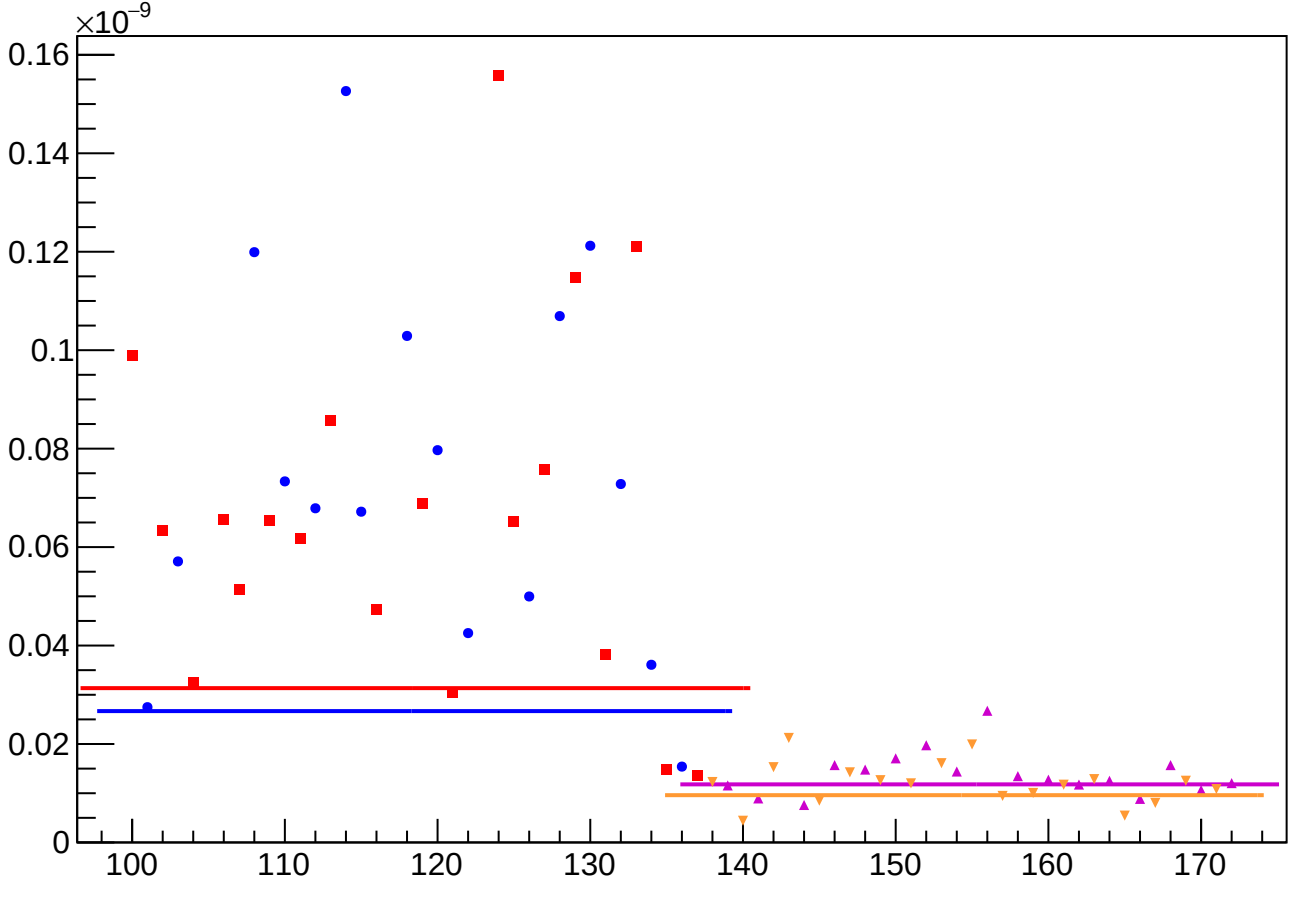
Left: 0.000+/-0.000 χ^2/NDF: 27.7/34

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:47.7/36

All: 0.000+/-0.000 χ^2/NDF: 74.4/69



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1397609.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:831975.7/16

Left: 0.000+/-0.000 χ^2/NDF: 2420649.7/34

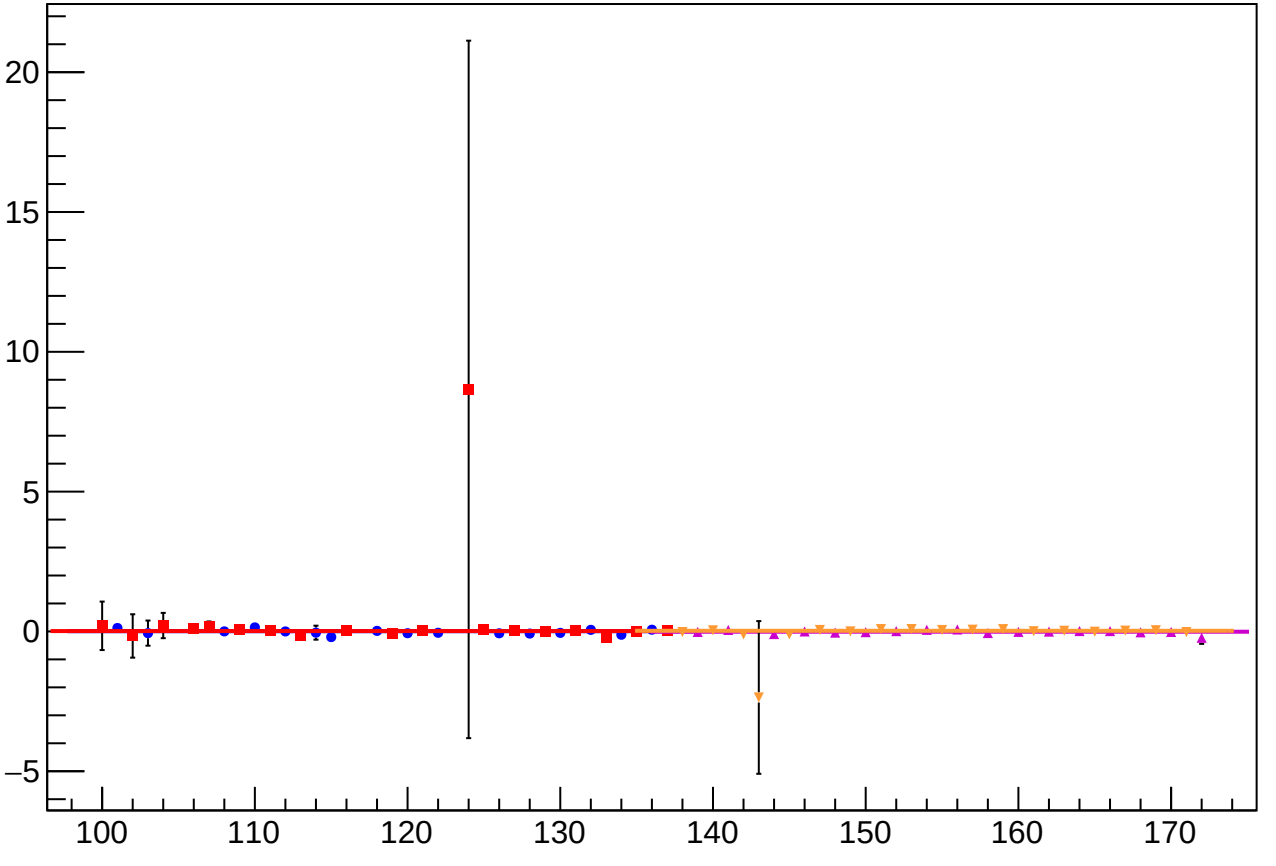
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4571581.2/32

Out: 0.000+/-0.000 χ^2/NDF:5495263.5/36

All: 0.000+/-0.000 χ^2/NDF: 10310524.1/69

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:18.1/17

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.8/16

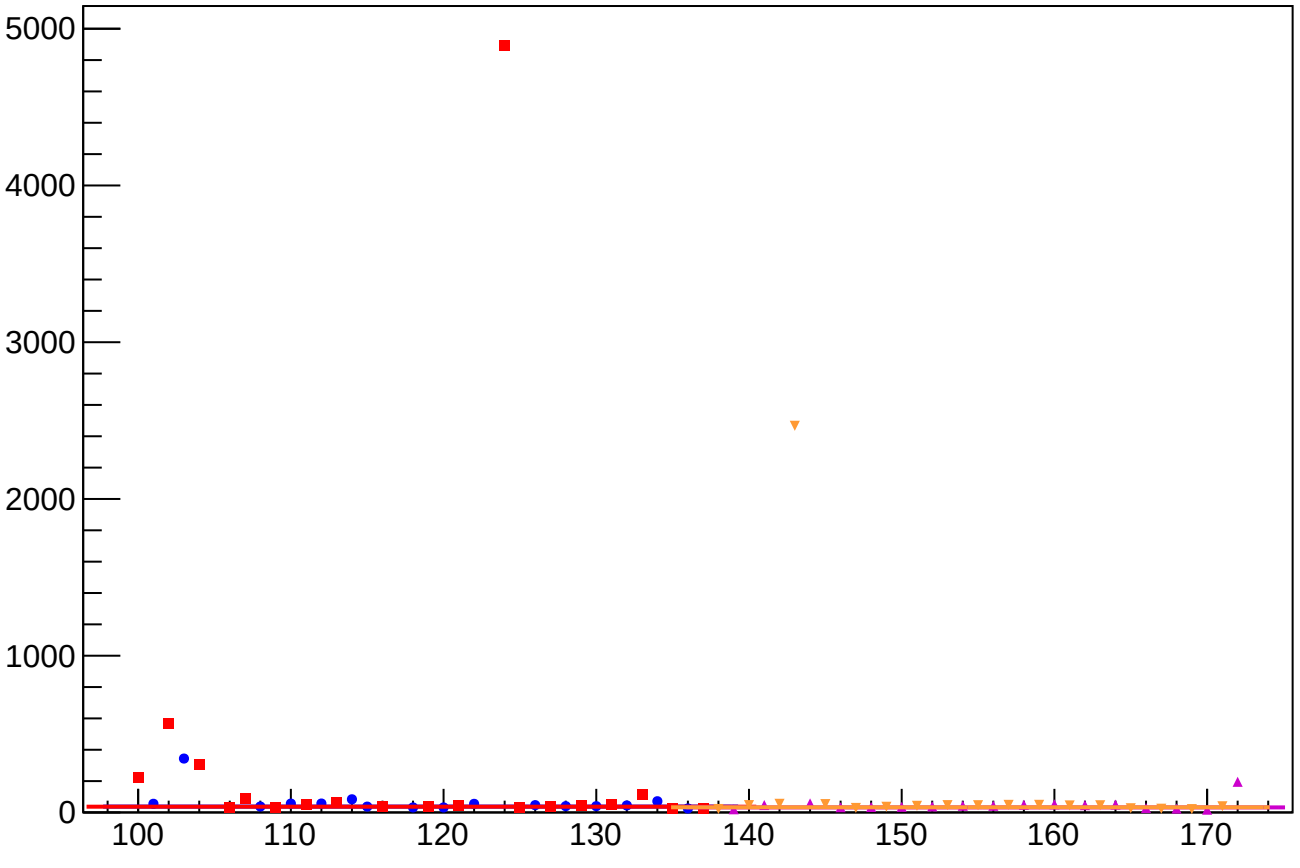
Left: 0.006+/-0.007 χ^2/NDF: 35.4/34

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:31.0/36

All: 0.007+/-0.006 χ^2/NDF: 67.3/69



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 32.975+/-0.007 χ^2/NDF:3975971.6/17

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: 32.593+/-0.005 χ^2/NDF: 7823096.3/34

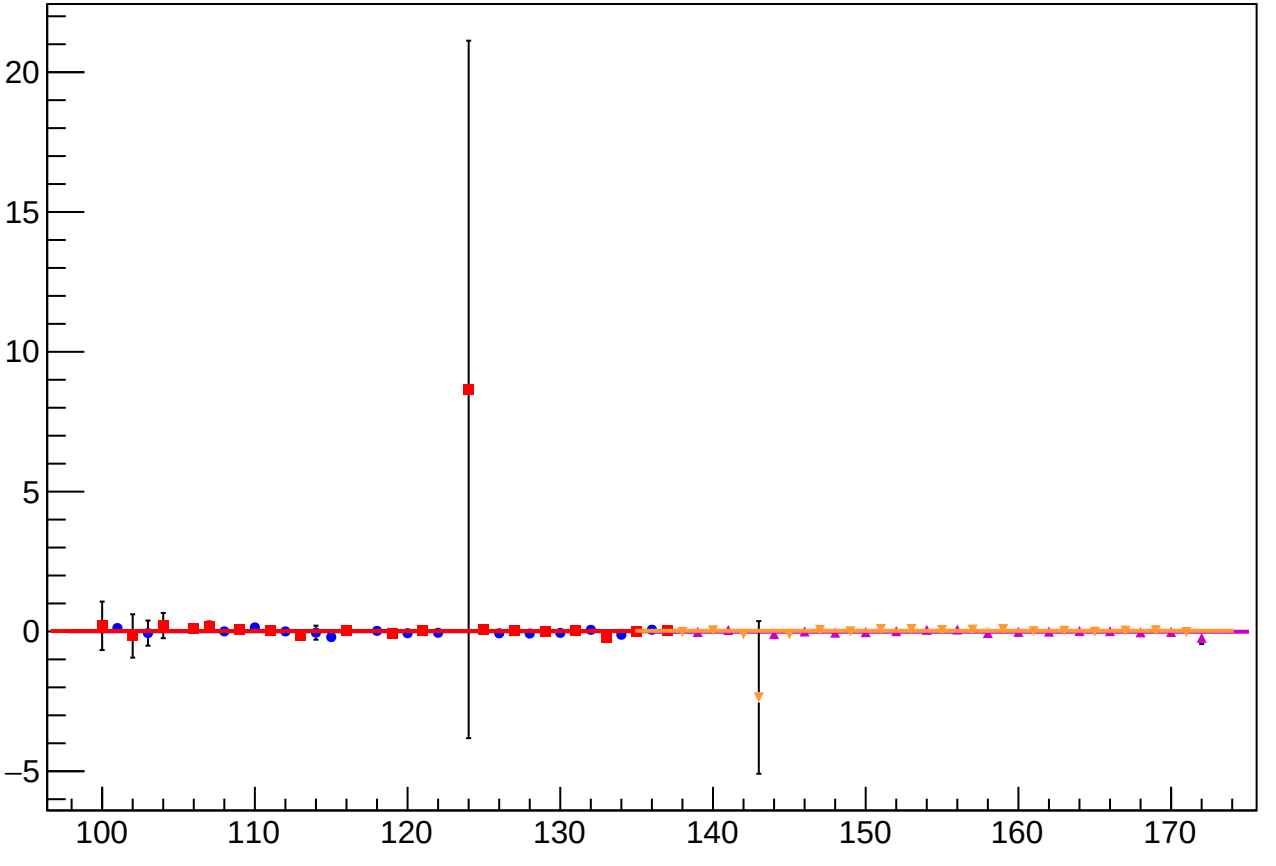
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.694+/-0.006 χ^2/NDF:5979721.6/32

Out: 34.020+/-0.006 χ^2/NDF:7242108.5/36

All: 33.852+/-0.004 χ^2/NDF: 13223265.9/69

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:18.1/17

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: 35.4/34

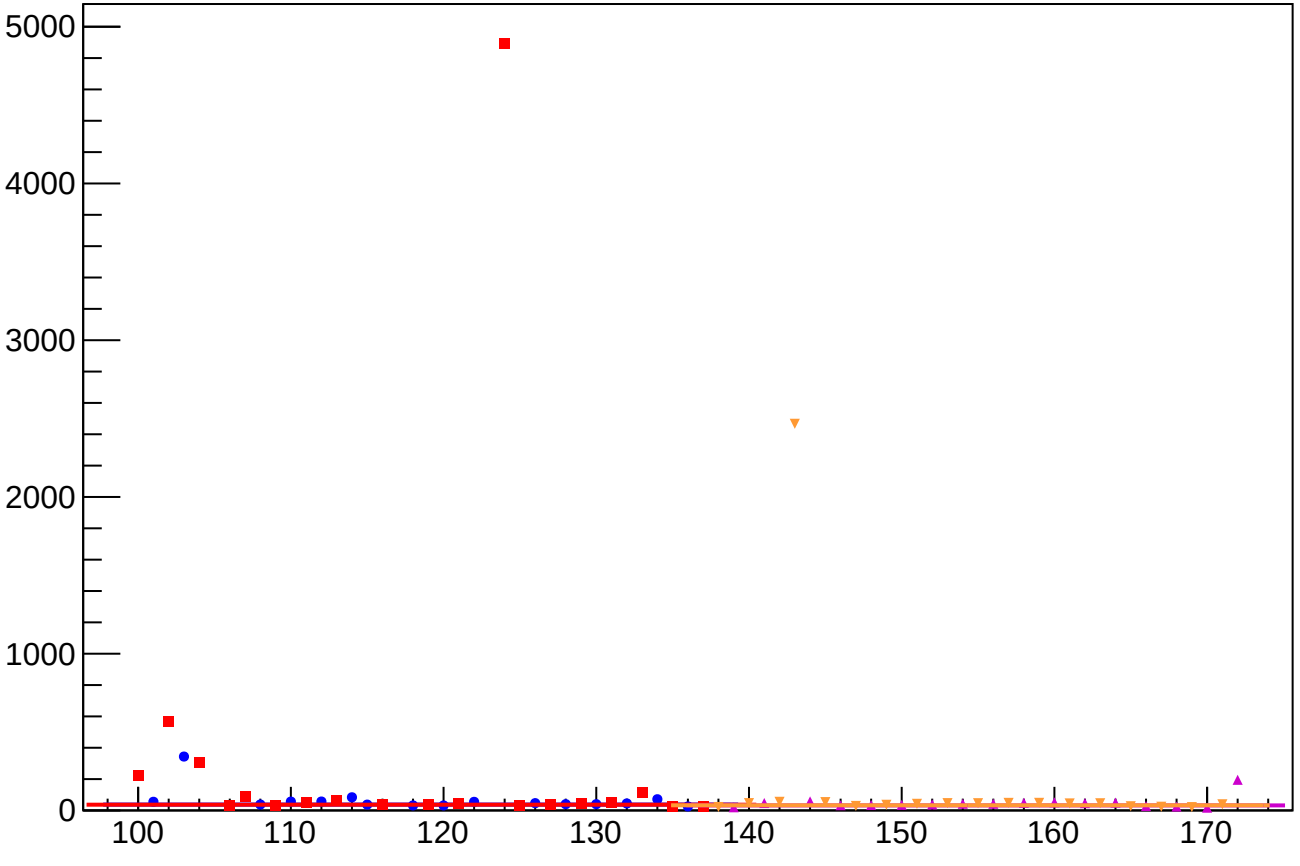
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/32

Out: 0.020+/-0.009 χ^2/NDF:31.0/36

All: 0.007+/-0.006 χ^2/NDF: 67.3/69

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: 32.975+/-0.007 χ^2/NDF:3975971.6/17

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.231+/-0.007 χ^2/NDF:3841713.7/16

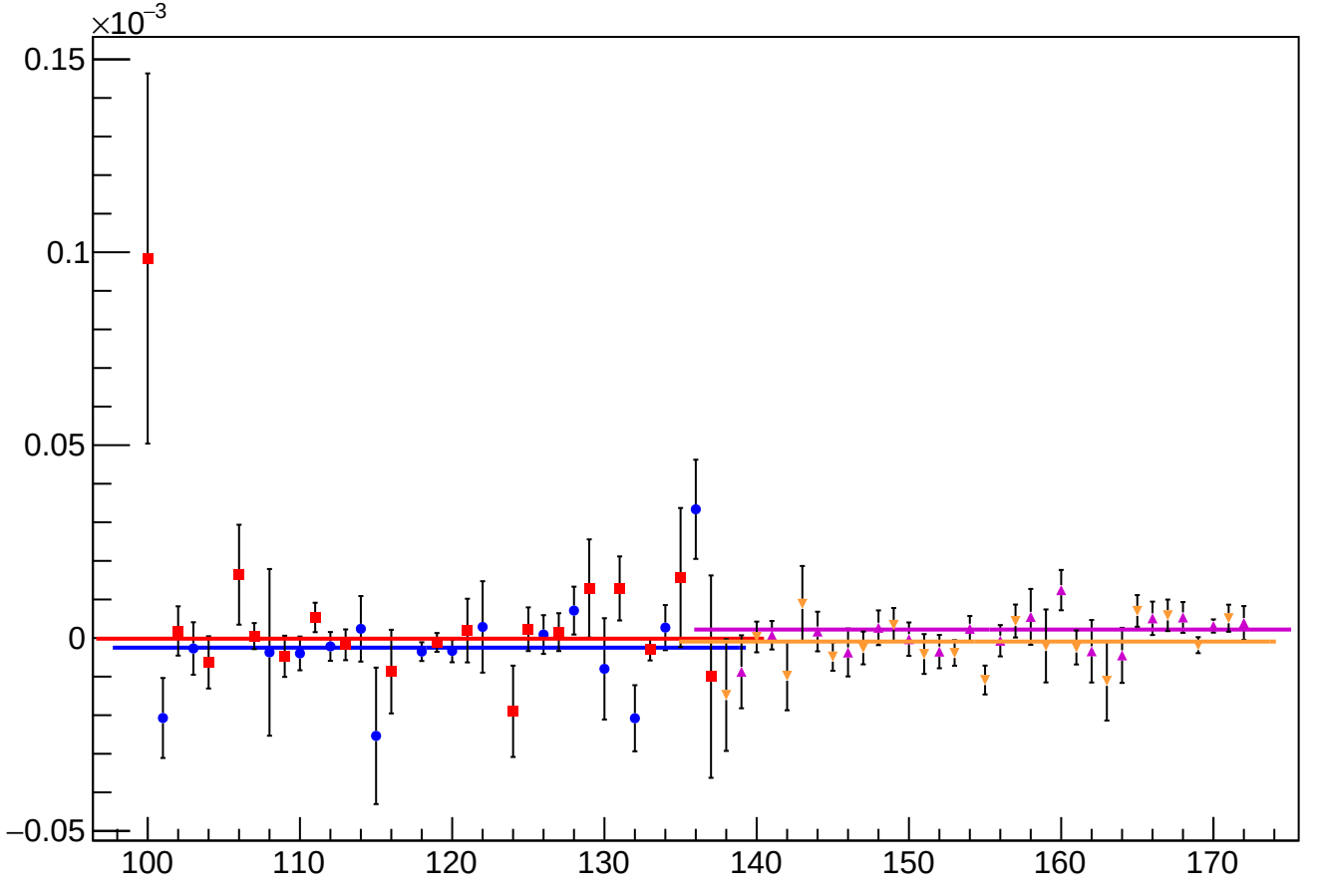
Left: 32.593+/-0.005 χ^2/NDF: 7823096.3/34

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.694+/-0.006 χ^2/NDF:5979721.6/32

Out: 34.020+/-0.006 χ^2/NDF:7242108.5/36

All: 33.852+/-0.004 χ^2/NDF: 13223265.9/69



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.9/17

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.9/16

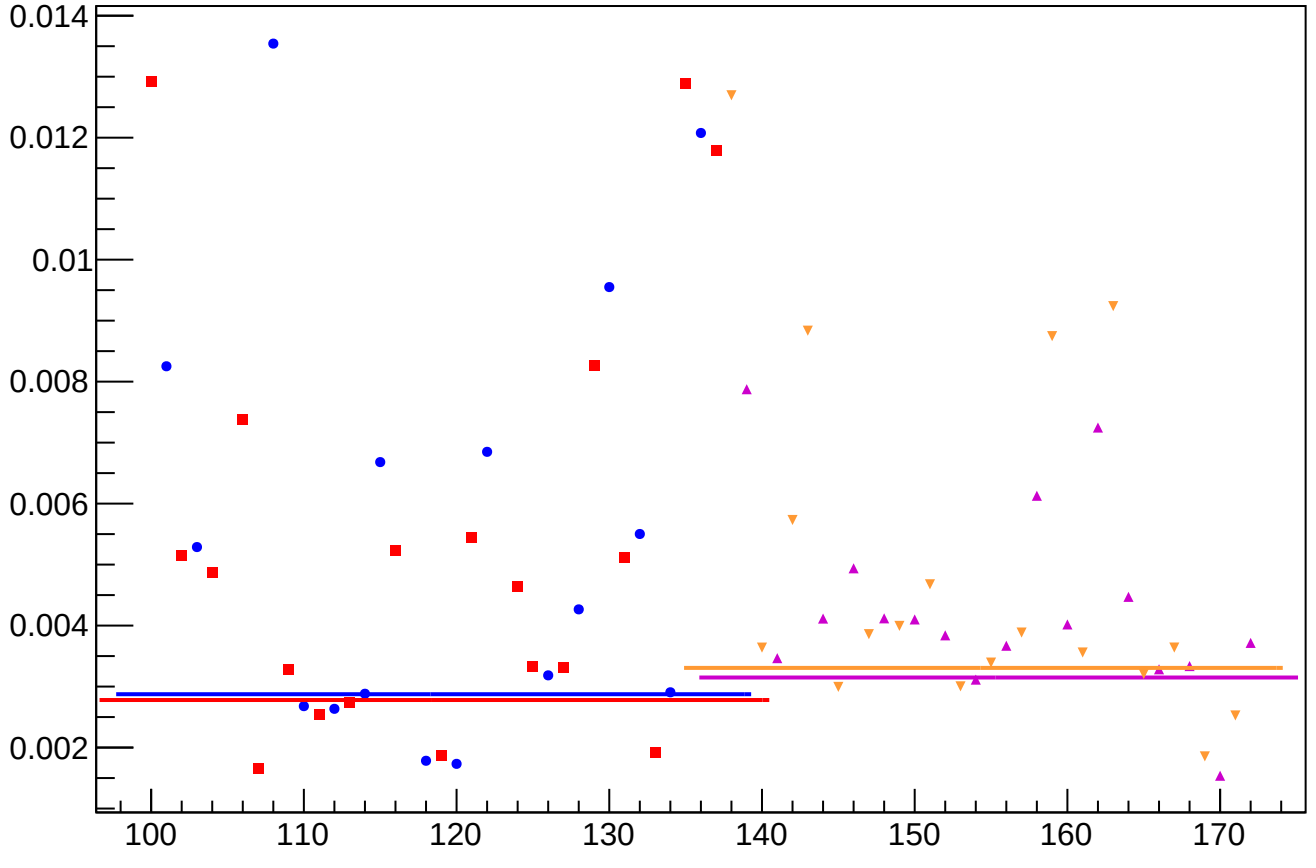
Left: 0.000+/-0.000 χ^2/NDF: 42.9/34

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:45.0/36

All: -0.000+/-0.000 χ^2/NDF: 88.2/69



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:4358818.5/17

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: 8194428.4/34

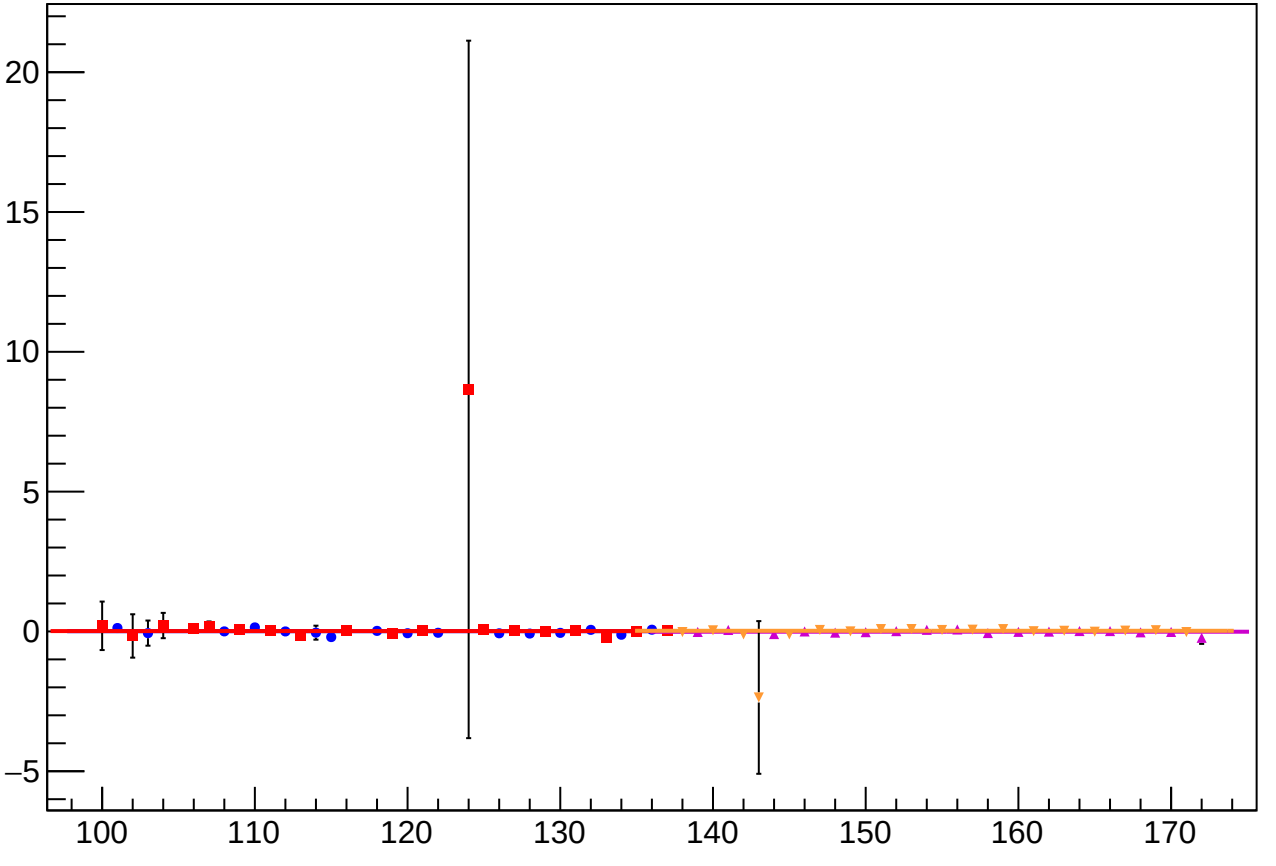
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:8018320.2/32

Out: 0.003+/-0.000 χ^2/NDF:7906710.8/36

All: 0.003+/-0.000 χ^2/NDF: 15927523.5/69

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:18.1/17

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: 35.4/34

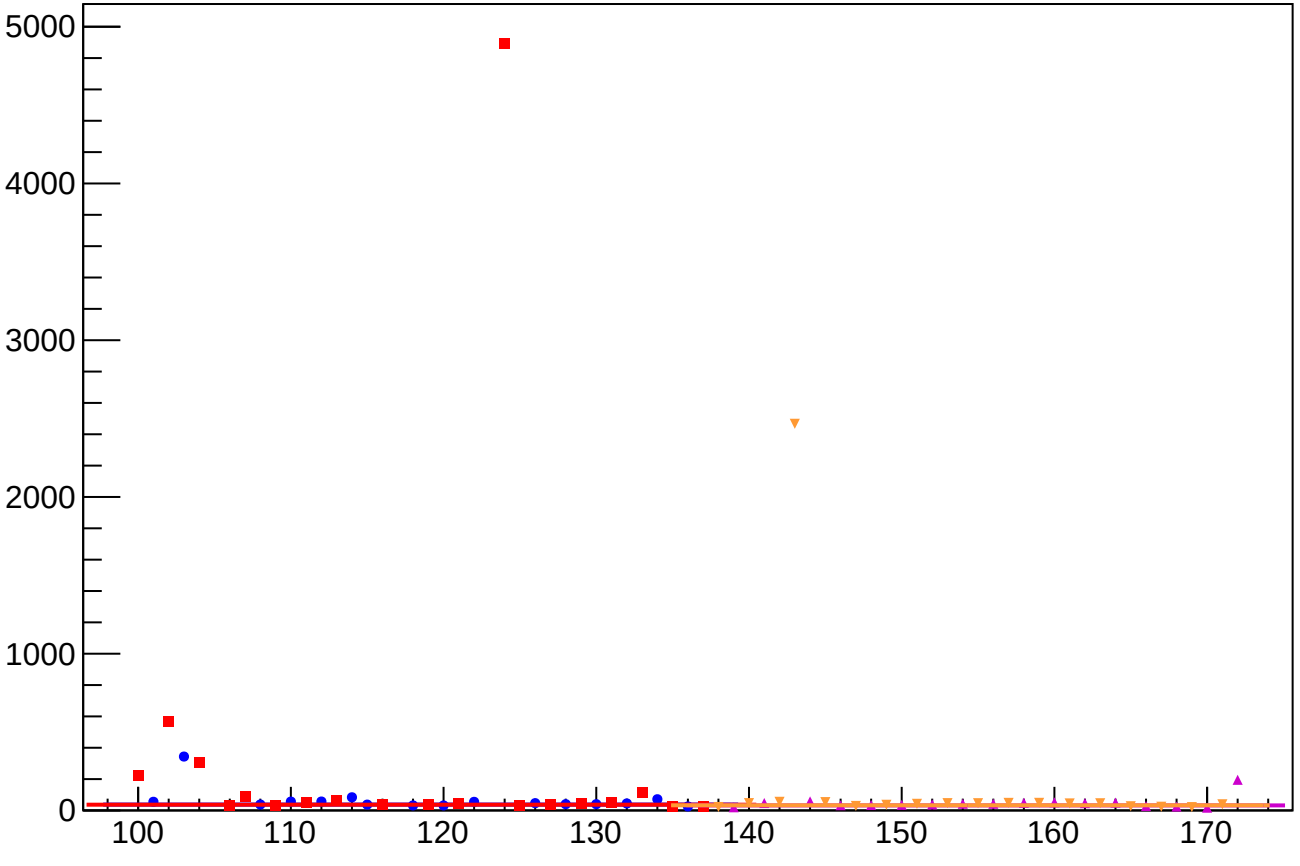
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/32

Out: 0.020+/-0.009 χ^2/NDF:31.0/36

All: 0.007+/-0.006 χ^2/NDF: 67.4/69

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: 32.974+/-0.007 χ^2/NDF:3976031.3/17

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: 32.594+/-0.005 χ^2/NDF: 7821960.4/34

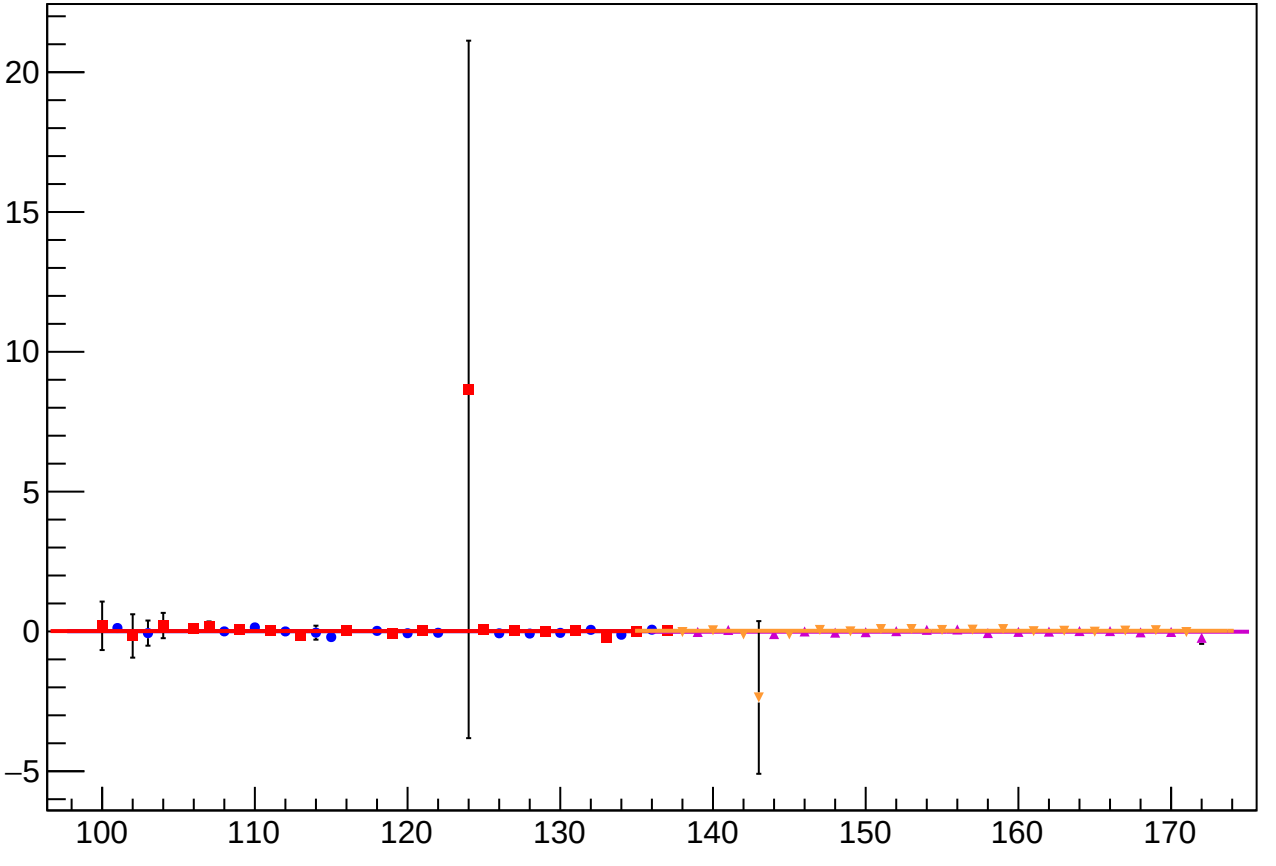
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.696+/-0.006 χ^2/NDF:5978399.0/32

Out: 34.020+/-0.006 χ^2/NDF:7241970.3/36

All: 33.853+/-0.004 χ^2/NDF: 13221787.0/69

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:18.1/17

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: 35.4/34

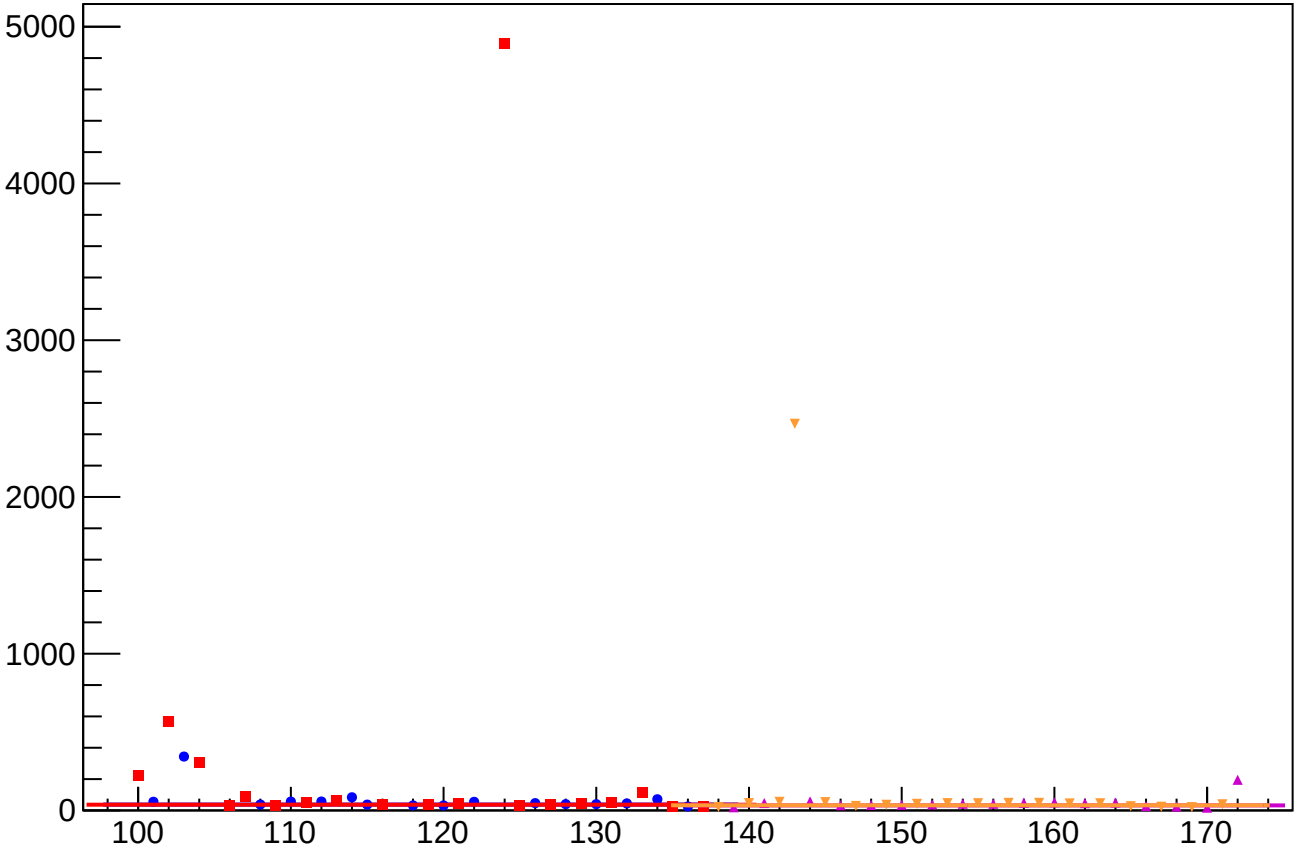
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/32

Out: 0.020+/-0.009 χ^2/NDF:31.0/36

All: 0.007+/-0.006 χ^2/NDF: 67.4/69

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: 32.974+/-0.007 χ^2/NDF:3976031.3/17

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.234+/-0.007 χ^2/NDF:3840563.7/16

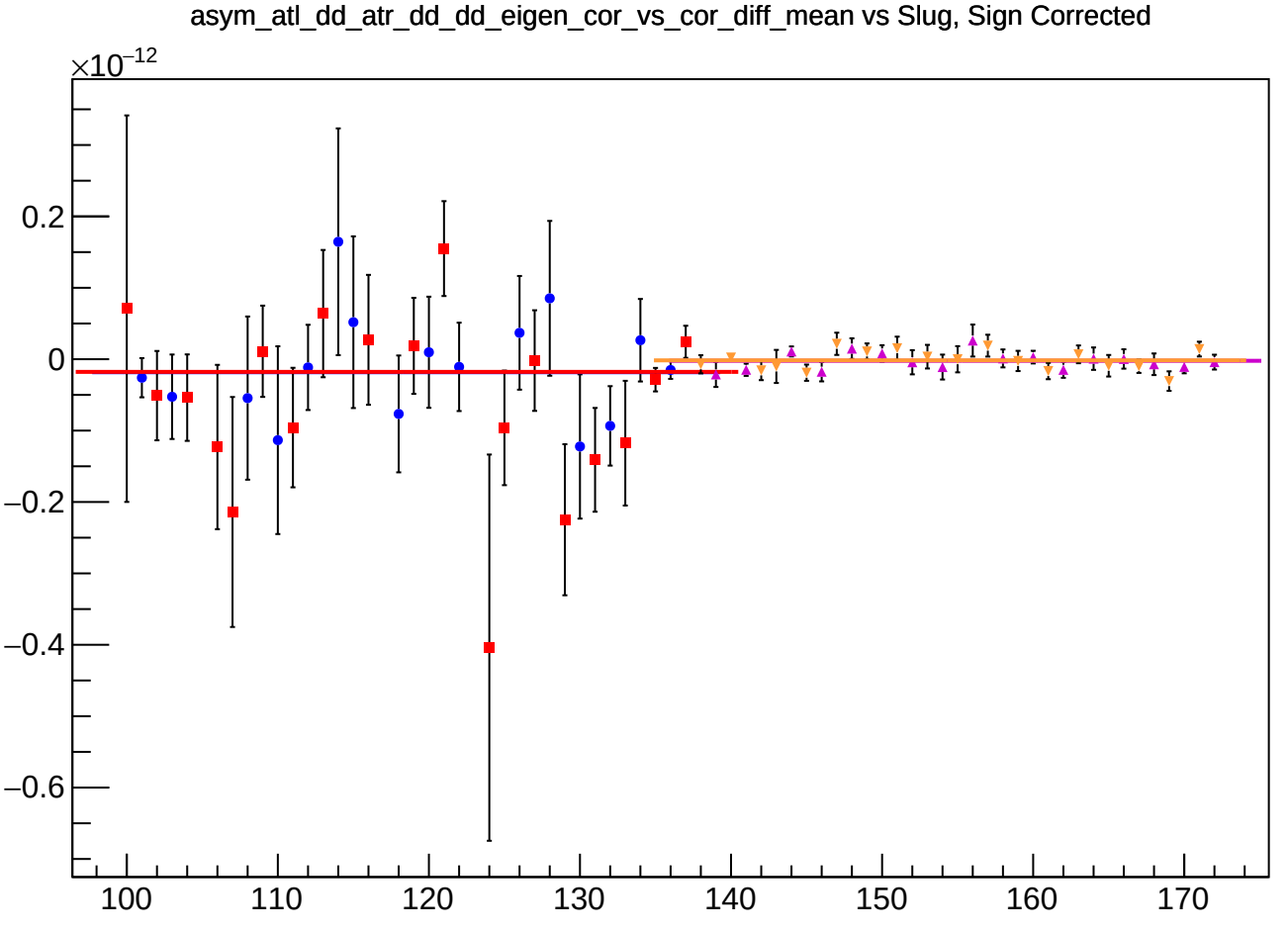
Left: 32.594+/-0.005 χ^2/NDF: 7821960.4/34

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.696+/-0.006 χ^2/NDF:5978399.0/32

Out: 34.020+/-0.006 χ^2/NDF:7241970.3/36

All: 33.853+/-0.004 χ^2/NDF: 13221787.0/69



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.5/17

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.8/16

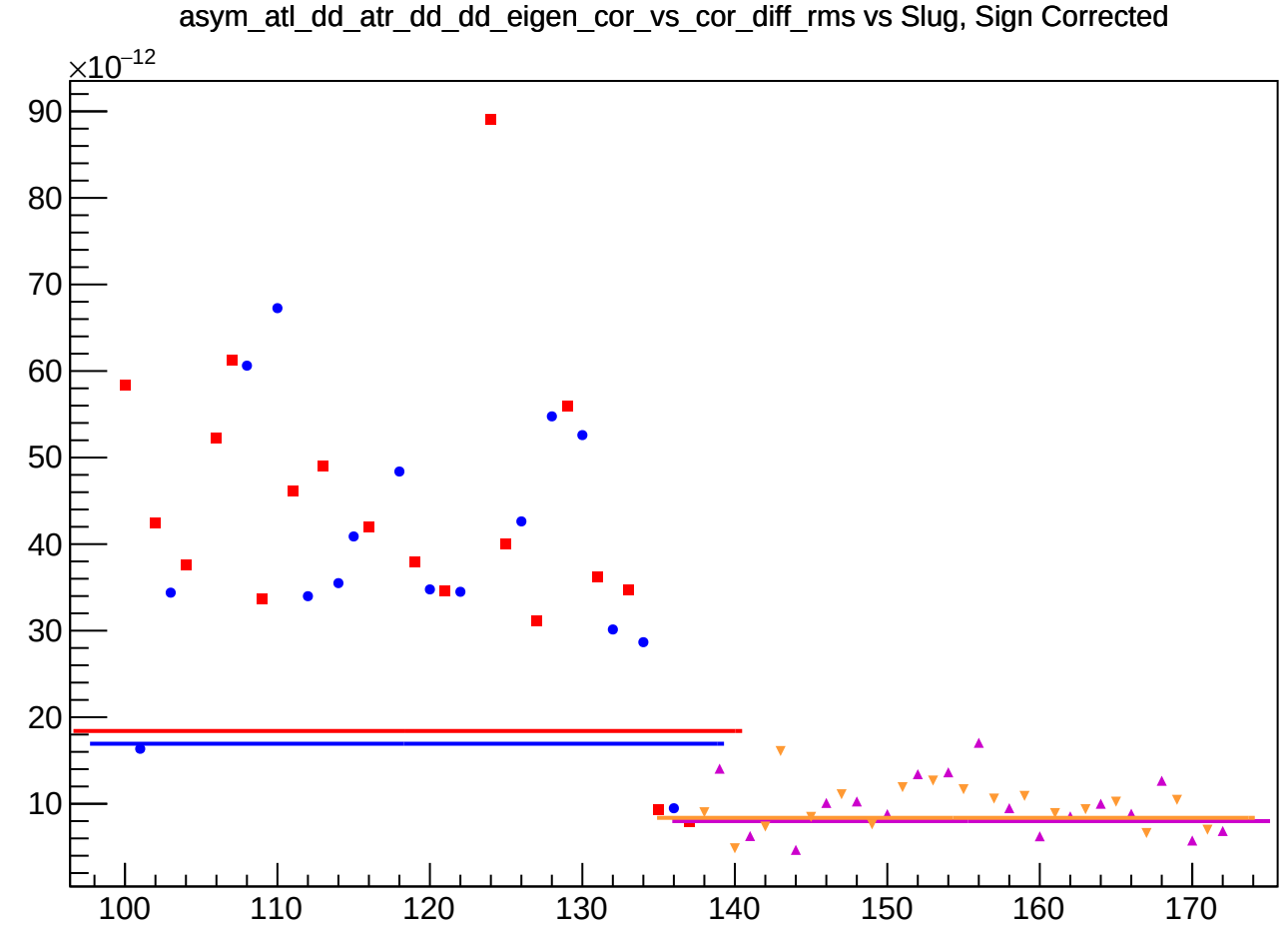
Left: -0.000+/-0.000 χ^2/NDF: 35.3/34

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:49.7/36

All: -0.000+/-0.000 χ^2/NDF: 75.3/69



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1451245.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2099597.1/16

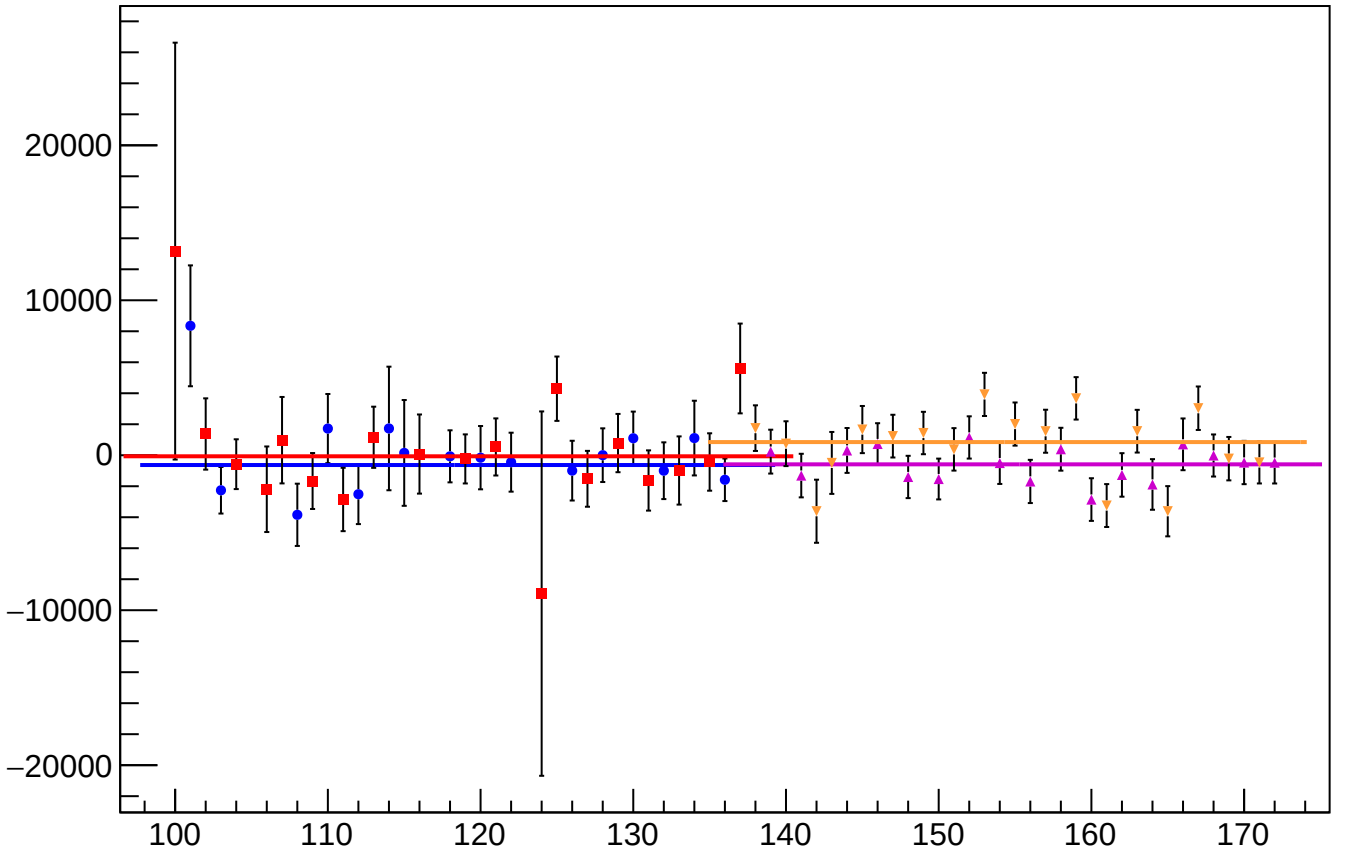
Left: 0.000+/-0.000 χ^2/NDF: 3568487.3/34

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:6668448.7/36

All: 0.000+/-0.000 χ^2/NDF: 13497321.6/69



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 849.580+/-342.350 χ^2/NDF:36.9/17

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -587.016+/-339.943 χ^2/NDF:10.0/16

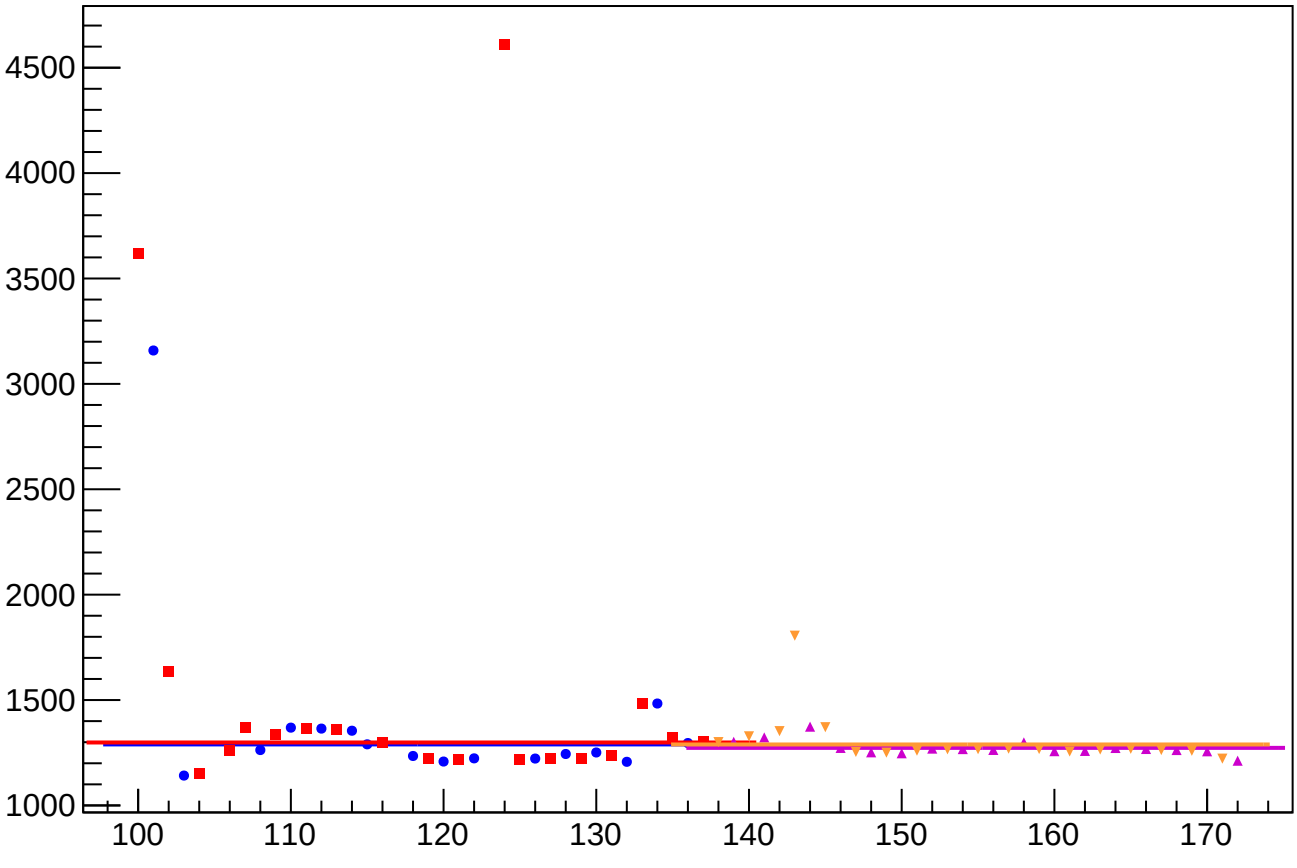
Left: 126.215+/-241.223 χ^2/NDF: 55.7/34

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -601.373+/-279.060 χ^2/NDF:23.9/32

Out: 546.856+/-280.216 χ^2/NDF:55.2/36

All: -29.632+/-197.733 χ^2/NDF: 87.5/69



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1289.208+/-0.242 χ^2/NDF:157144.9/17

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1273.082+/-0.240 χ^2/NDF:20041.8/16

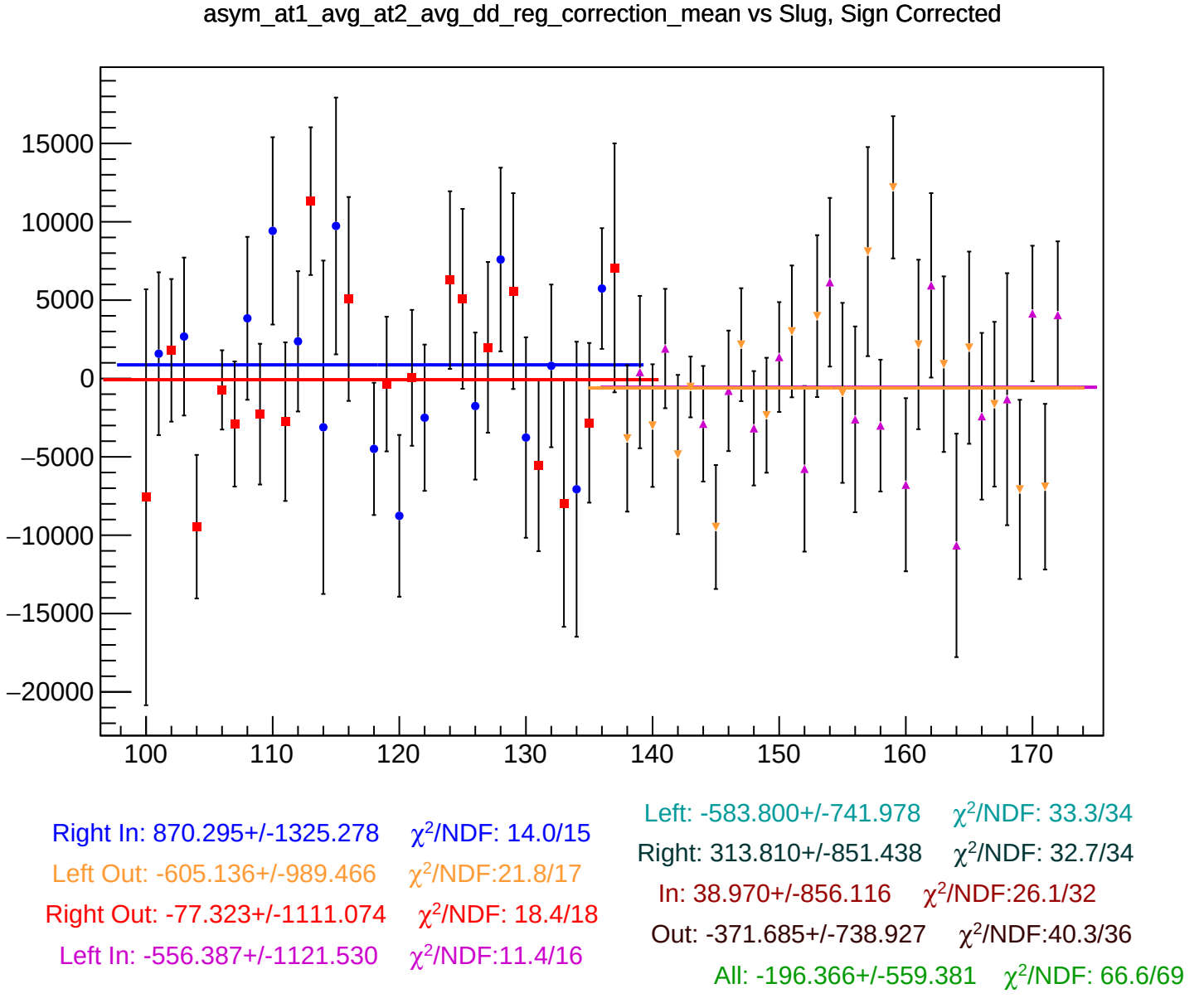
Left: 1281.088+/-0.171 χ^2/NDF: 179420.9/34

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

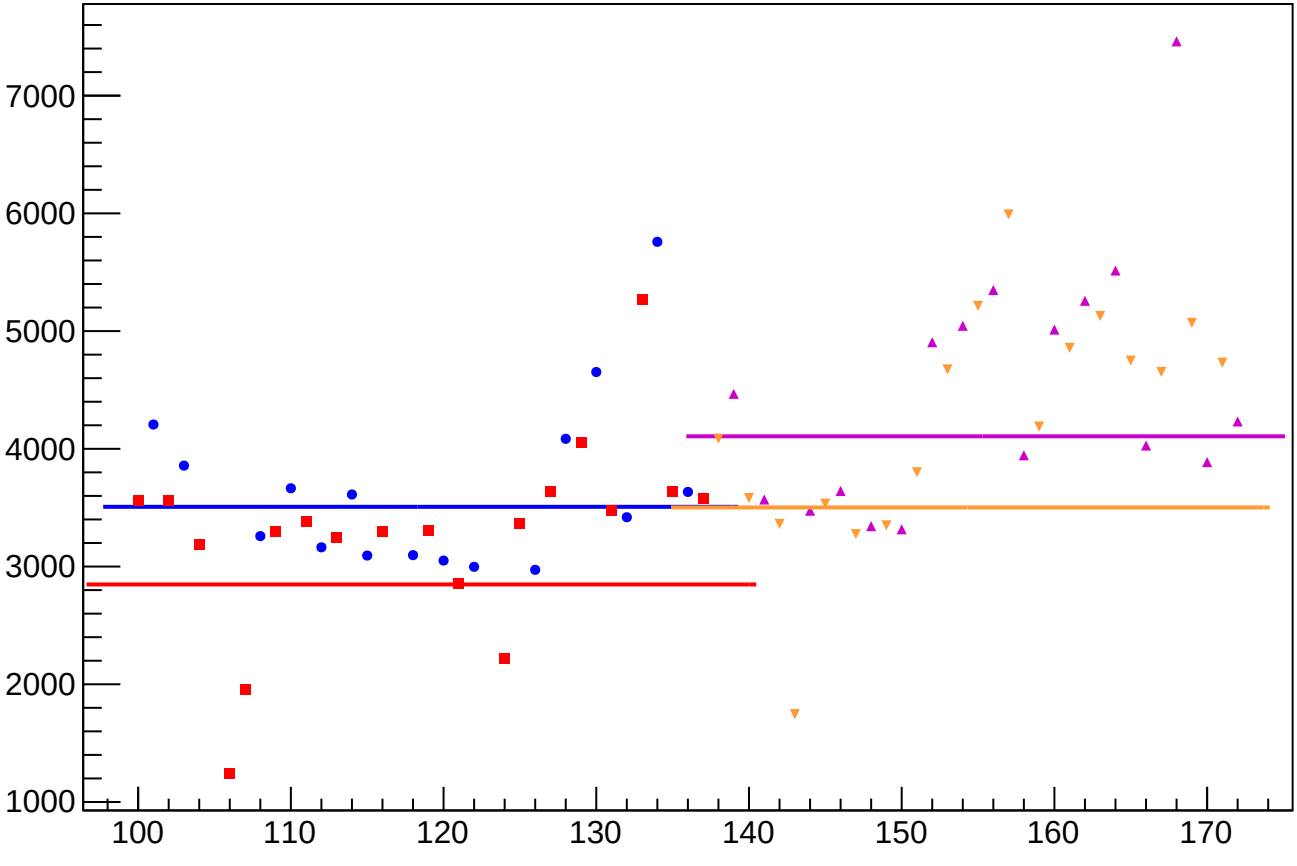
In: 1278.425+/-0.197 χ^2/NDF:536231.9/32

Out: 1292.337+/-0.198 χ^2/NDF:477024.2/36

All: 1285.358+/-0.140 χ^2/NDF: 1015733.2/69


asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -605.136+/-989.466 χ²/NDF:21.8/17
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -556.387+/-1121.530 χ²/NDF:11.4/16
Left: -583.800+/-741.978 χ²/NDF: 33.3/34
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 38.970+/-856.116 χ²/NDF:26.1/32
Out: -371.685+/-738.927 χ²/NDF:40.3/36
All: -196.366+/-559.381 χ²/NDF: 66.6/69

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3501.994+/-0.700 χ^2/NDF:3030673.0/17

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4106.259+/-0.793 χ^2/NDF:1088548.5/16

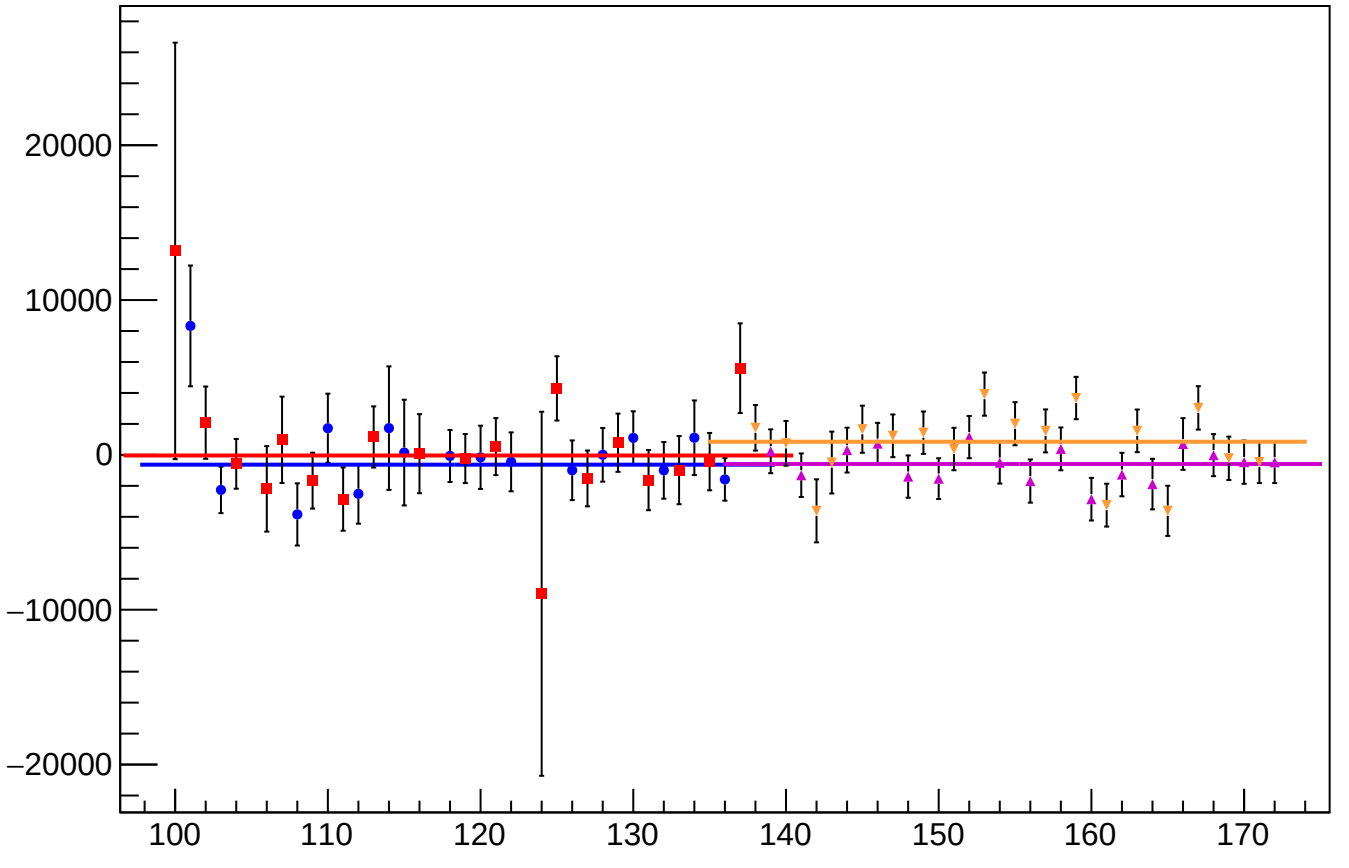
Left: 3766.472+/-0.525 χ^2/NDF: 4445691.7/34

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3856.353+/-0.605 χ^2/NDF:1680492.7/32

Out: 3212.659+/-0.523 χ^2/NDF:4916693.7/36

All: 3487.467+/-0.396 χ^2/NDF: 7245128.5/69



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 849.616+/-342.350 χ^2/NDF:36.9/17

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -586.987+/-339.943 χ^2/NDF:10.0/16

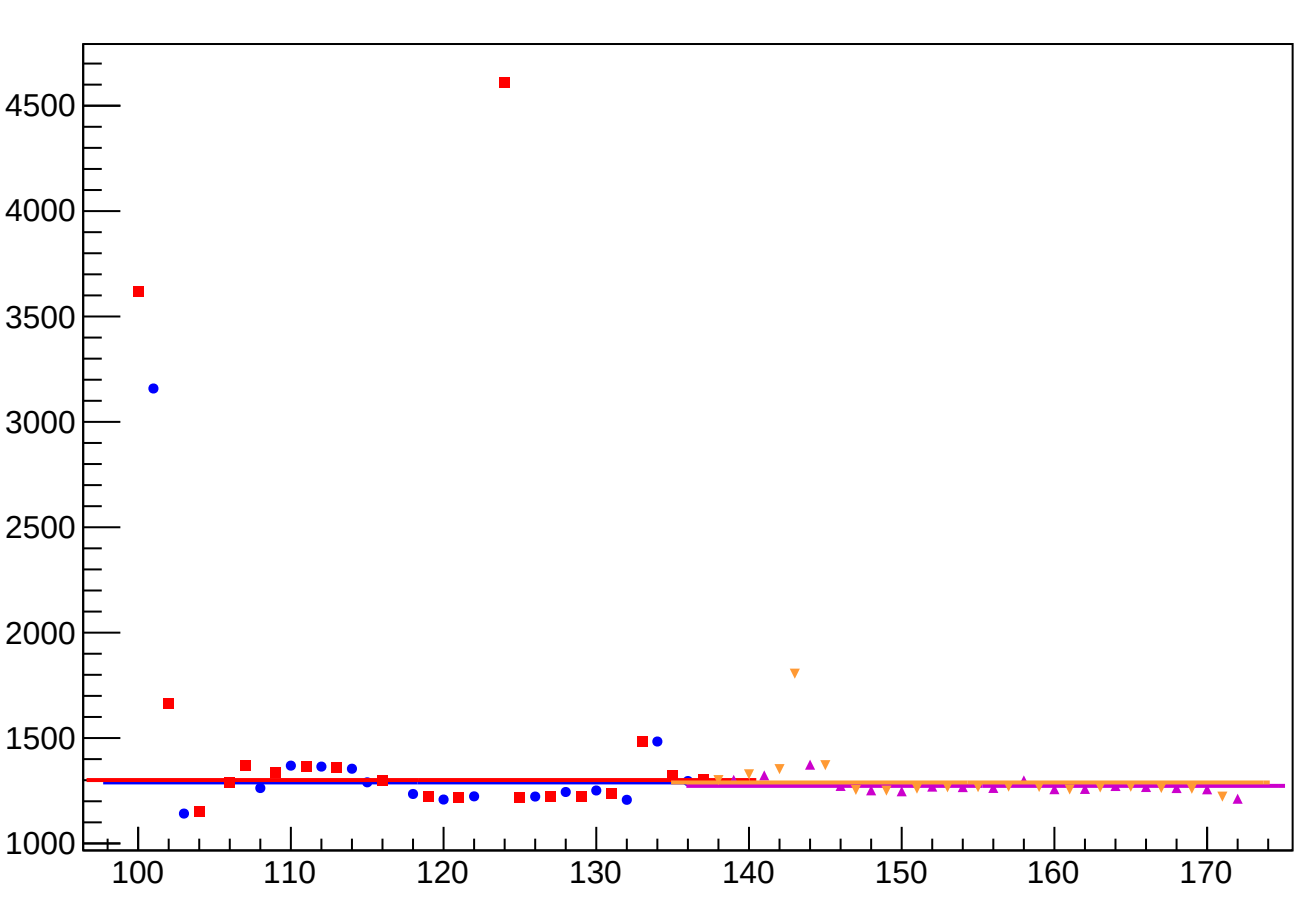
Left: 126.247+/-241.223 χ^2/NDF: 55.7/34

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -601.479+/-279.060 χ^2/NDF:23.8/32

Out: 556.717+/-280.278 χ^2/NDF:55.5/36

All: -24.902+/-197.754 χ^2/NDF: 87.9/69



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1289.208+/-0.242 χ^2/NDF:157144.8/17

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1273.082+/-0.240 χ^2/NDF:20041.8/16

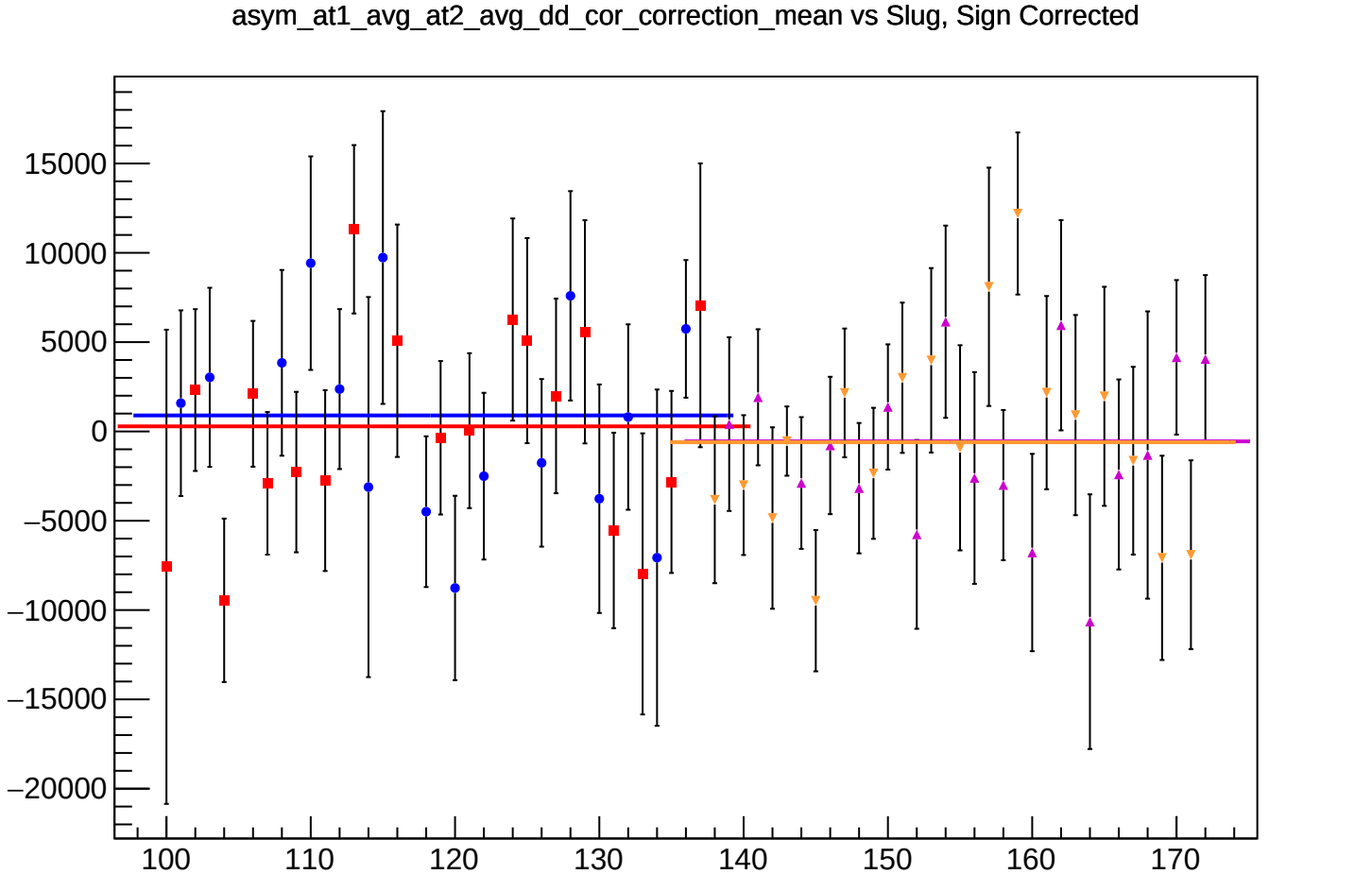
Left: 1281.088+/-0.171 χ^2/NDF: 179420.9/34

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1278.425+/-0.197 χ^2/NDF:536233.3/32

Out: 1293.002+/-0.198 χ^2/NDF:483795.5/36

All: 1285.686+/-0.140 χ^2/NDF: 1022746.9/69



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -605.046+/-989.464 χ^2/NDF:21.8/17

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -556.396+/-1121.529 χ^2/NDF:11.4/16

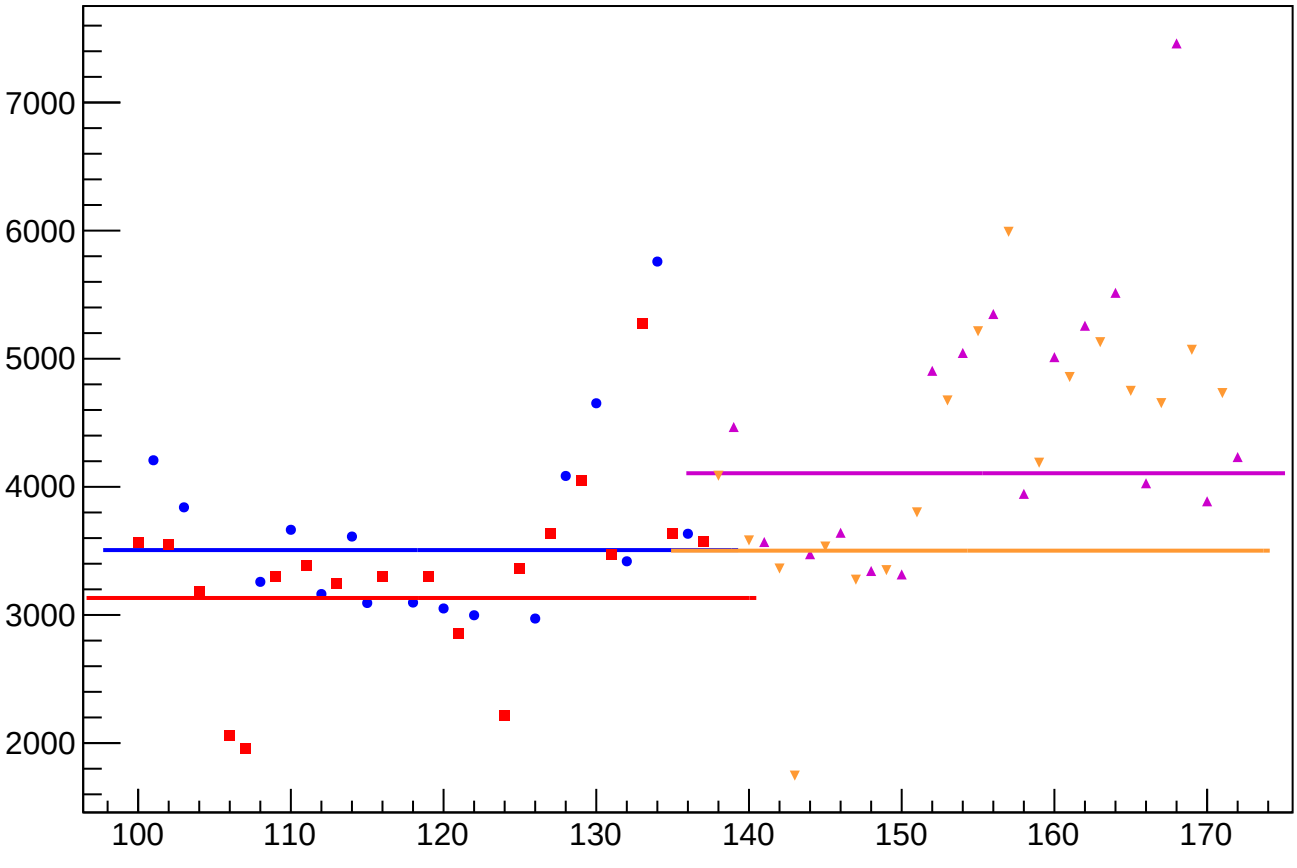
Left: -583.753+/-741.977 χ^2/NDF: 33.3/34

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 49.941+/-855.992 χ^2/NDF:26.2/32

Out: -239.179+/-759.026 χ^2/NDF:40.8/36

All: -111.915+/-567.914 χ^2/NDF: 67.1/69



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3501.985+/-0.700 χ^2/NDF:3030703.1/17

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4106.254+/-0.793 χ^2/NDF:1088550.0/16

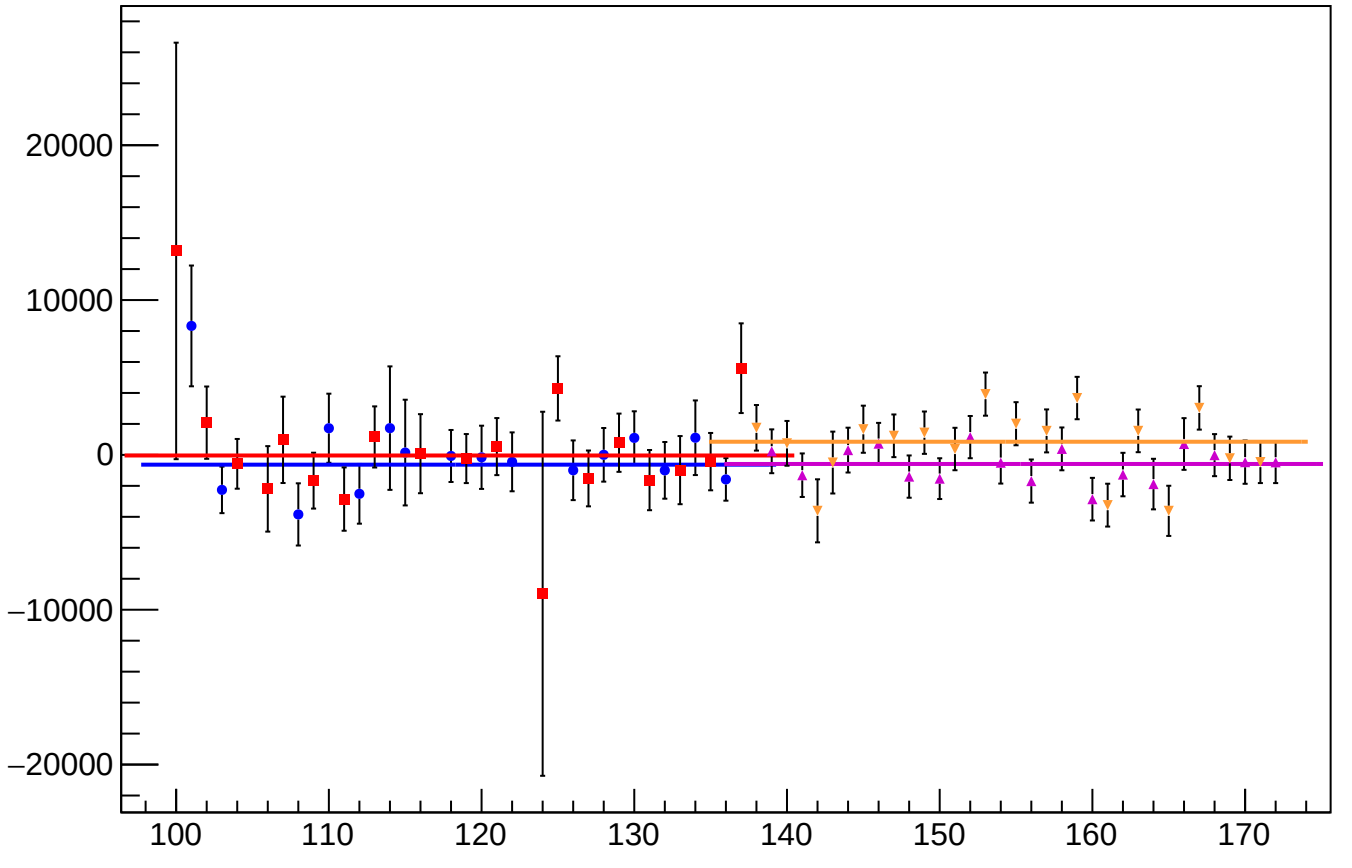
Left: 3766.464+/-0.525 χ^2/NDF: 4445729.4/34

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3855.869+/-0.605 χ^2/NDF:1680570.6/32

Out: 3349.960+/-0.537 χ^2/NDF:3795033.7/36

All: 3572.649+/-0.402 χ^2/NDF: 5866702.8/69



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 849.616+/-342.350 χ^2/NDF:36.9/17

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -586.987+/-339.943 χ^2/NDF:10.0/16

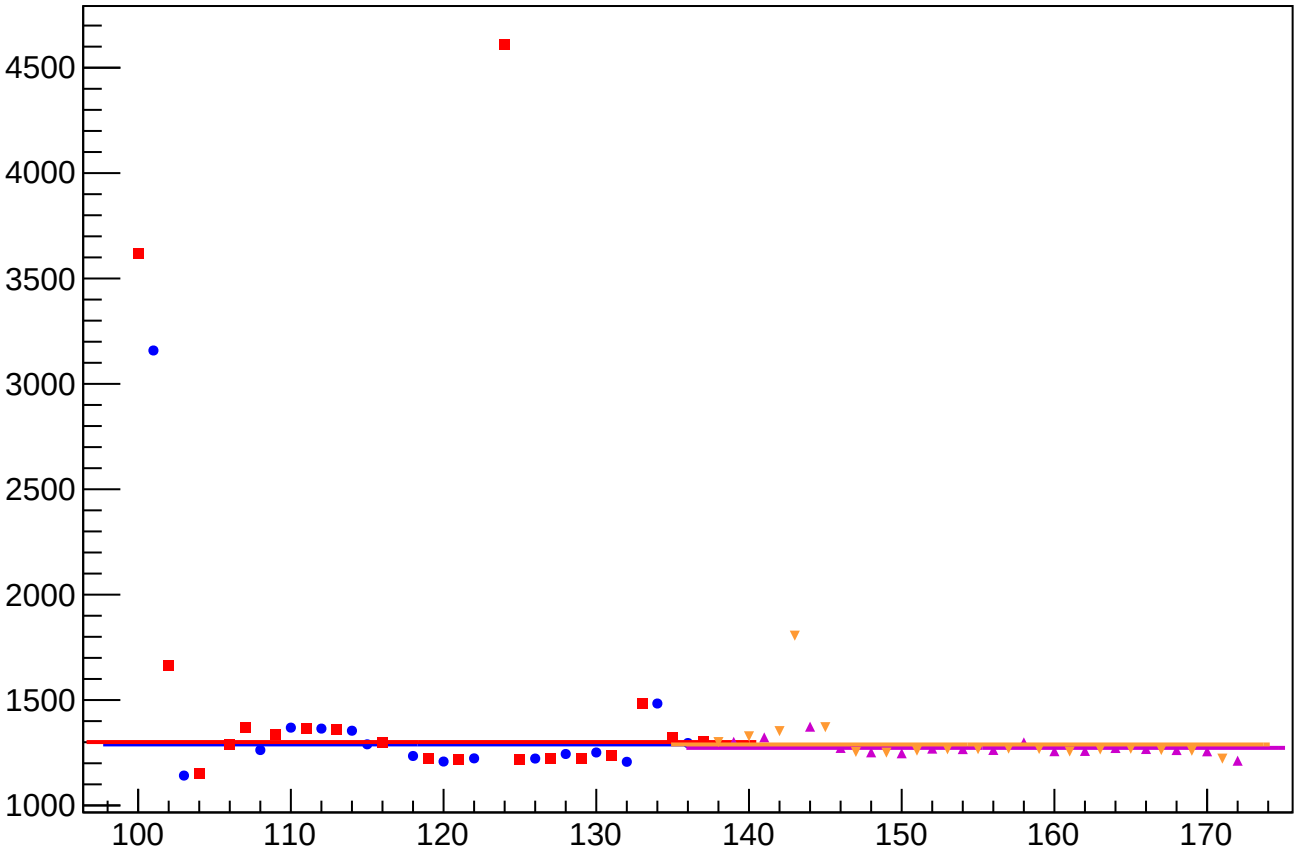
Left: 126.247+/-241.223 χ^2/NDF: 55.7/34

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -601.479+/-279.060 χ^2/NDF:23.8/32

Out: 556.717+/-280.278 χ^2/NDF:55.5/36

All: -24.902+/-197.754 χ^2/NDF: 87.9/69



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1289.208+/-0.242 χ^2/NDF:157144.8/17

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1273.082+/-0.240 χ^2/NDF:20041.8/16

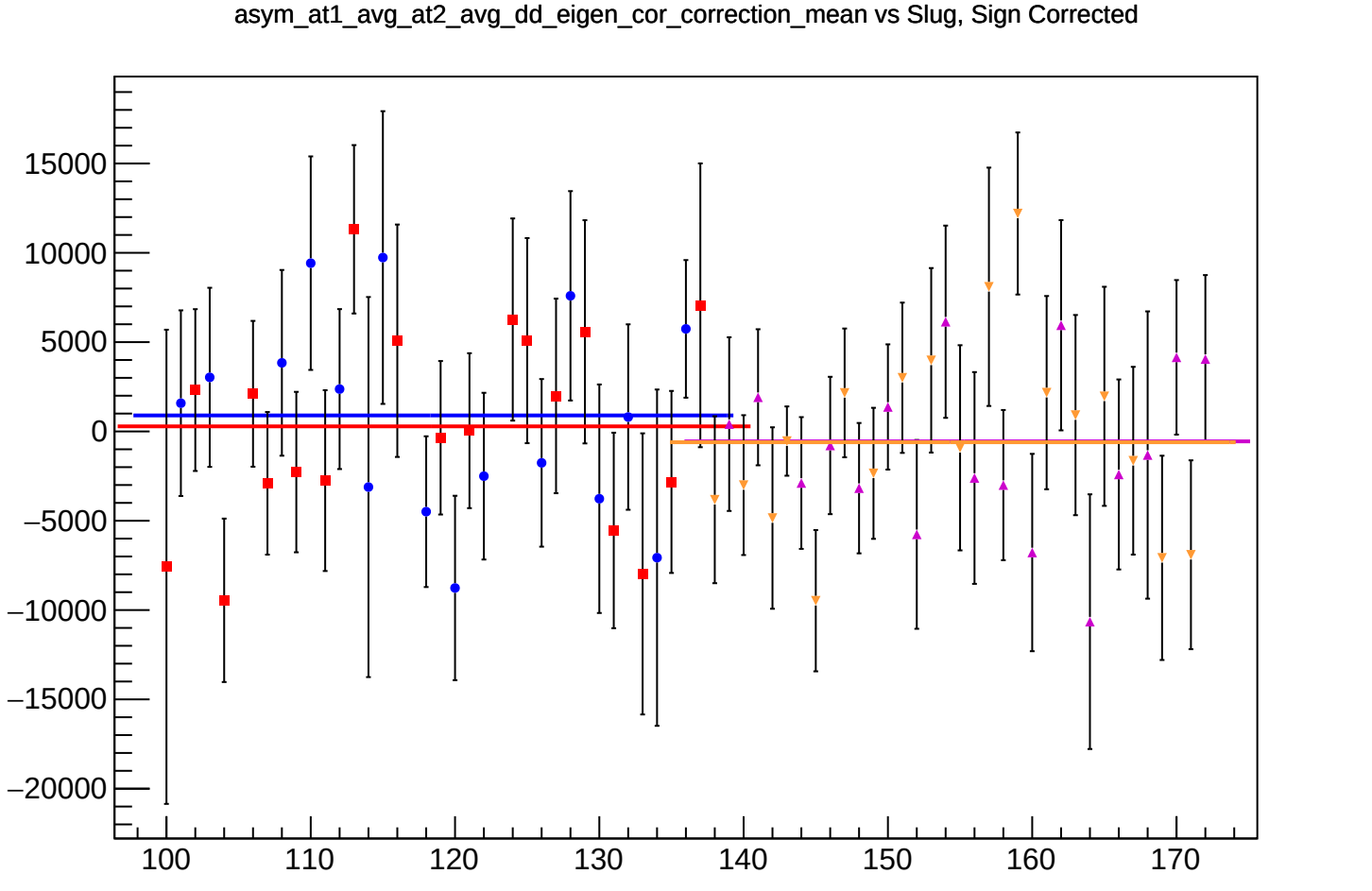
Left: 1281.088+/-0.171 χ^2/NDF: 179420.9/34

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1278.425+/-0.197 χ^2/NDF:536233.3/32

Out: 1293.002+/-0.198 χ^2/NDF:483795.5/36

All: 1285.686+/-0.140 χ^2/NDF: 1022746.9/69



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -605.046+/-989.464 χ^2/NDF:21.8/17

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -556.396+/-1121.529 χ^2/NDF:11.4/16

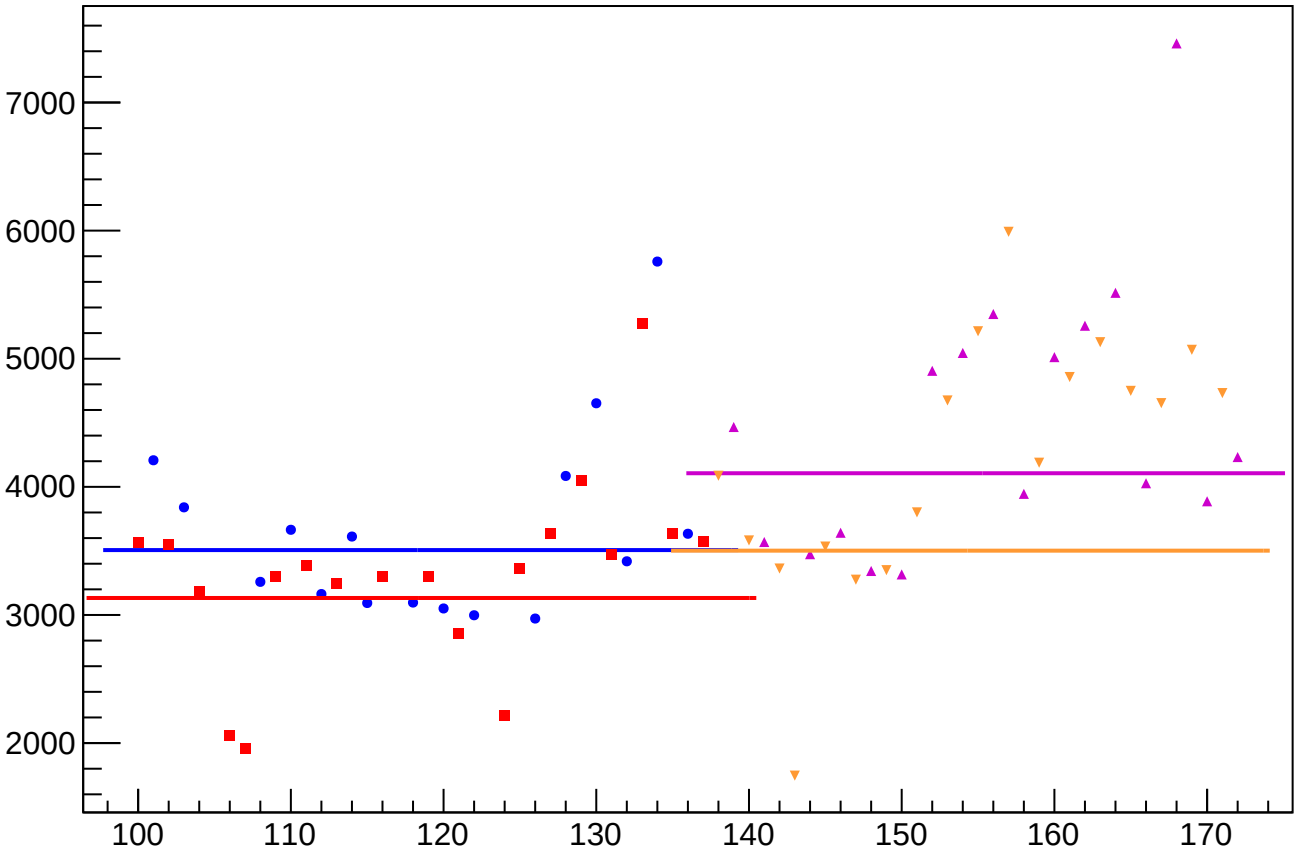
Left: -583.753+/-741.977 χ^2/NDF: 33.3/34

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 49.941+/-855.992 χ^2/NDF:26.2/32

Out: -239.179+/-759.026 χ^2/NDF:40.8/36

All: -111.915+/-567.914 χ^2/NDF: 67.1/69



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3501.985+/-0.700 χ^2/NDF:3030703.1/17

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4106.254+/-0.793 χ^2/NDF:1088550.0/16

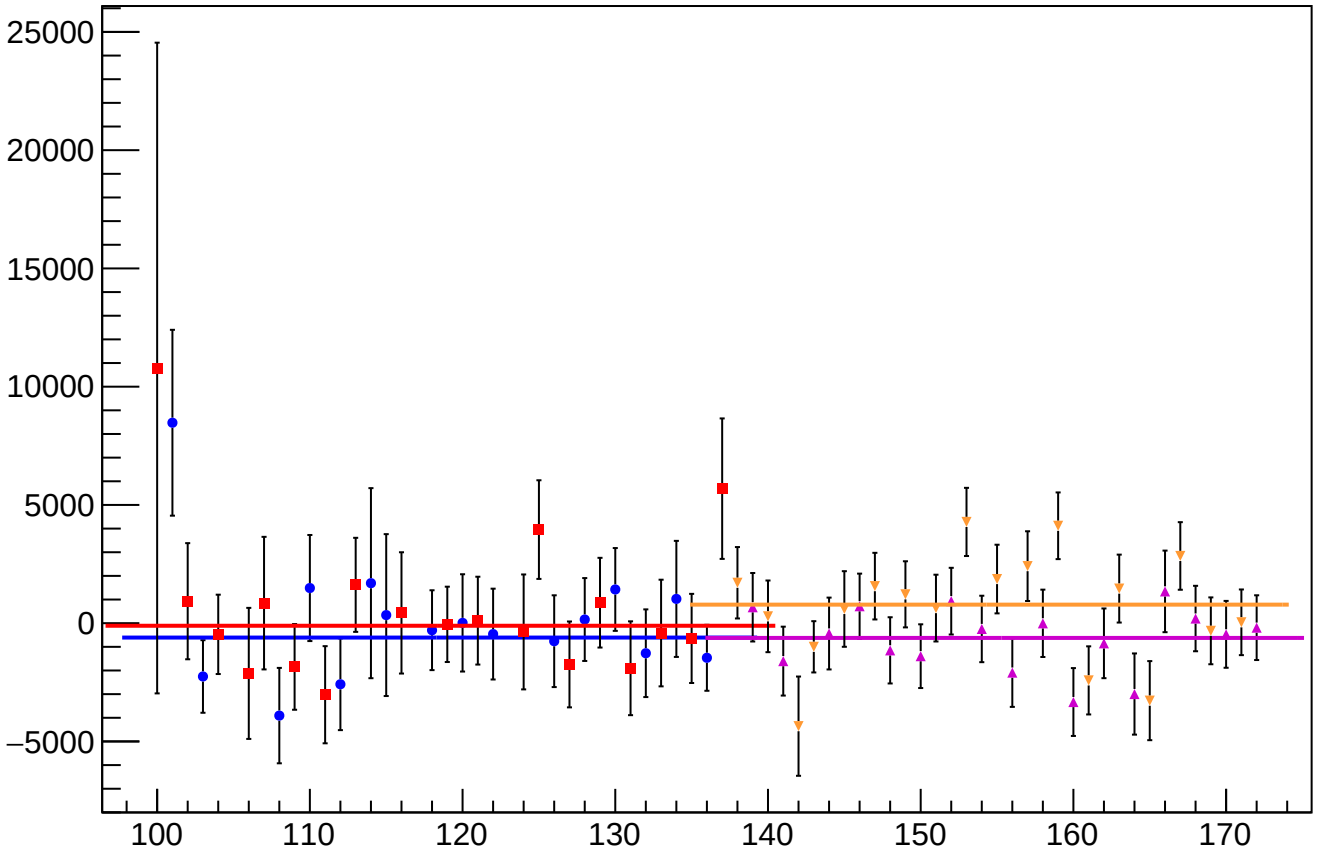
Left: 3766.464+/-0.525 χ^2/NDF: 4445729.4/34

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3855.869+/-0.605 χ^2/NDF:1680570.6/32

Out: 3349.960+/-0.537 χ^2/NDF:3795033.7/36

All: 3572.649+/-0.402 χ^2/NDF: 5866702.8/69



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 784.292+/-340.701 χ^2/NDF:36.9/17

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -623.077+/-350.788 χ^2/NDF:12.5/16

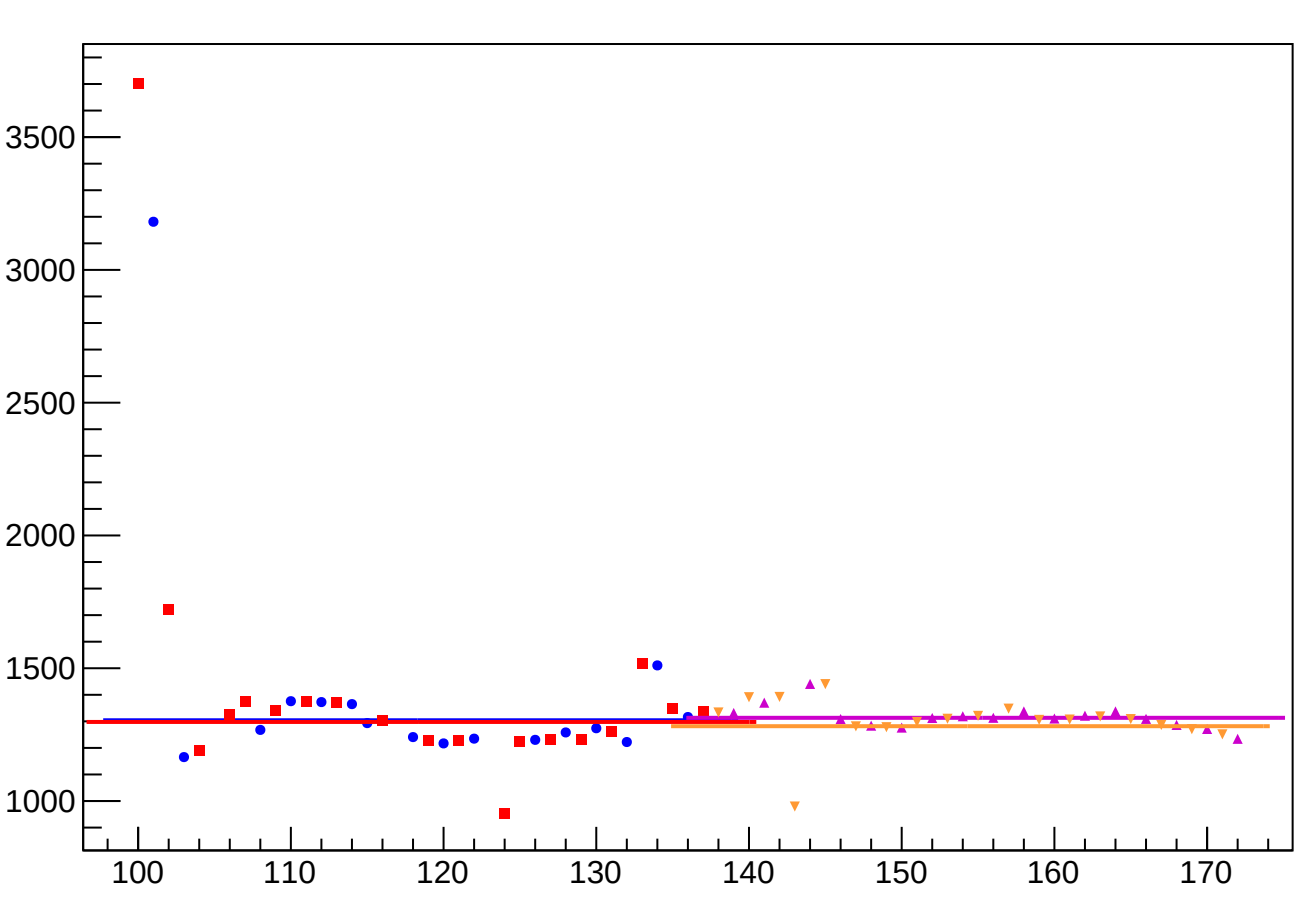
Left: 101.133+/-244.400 χ^2/NDF: 57.6/34

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -617.969+/-286.049 χ^2/NDF:26.6/32

Out: 489.708+/-278.893 χ^2/NDF:54.1/36

All: -50.103+/-199.689 χ^2/NDF: 88.3/69



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1281.781+/-0.241 χ^2/NDF:204276.8/17

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: 1297.107+/-0.173 χ^2/NDF: 242776.4/34

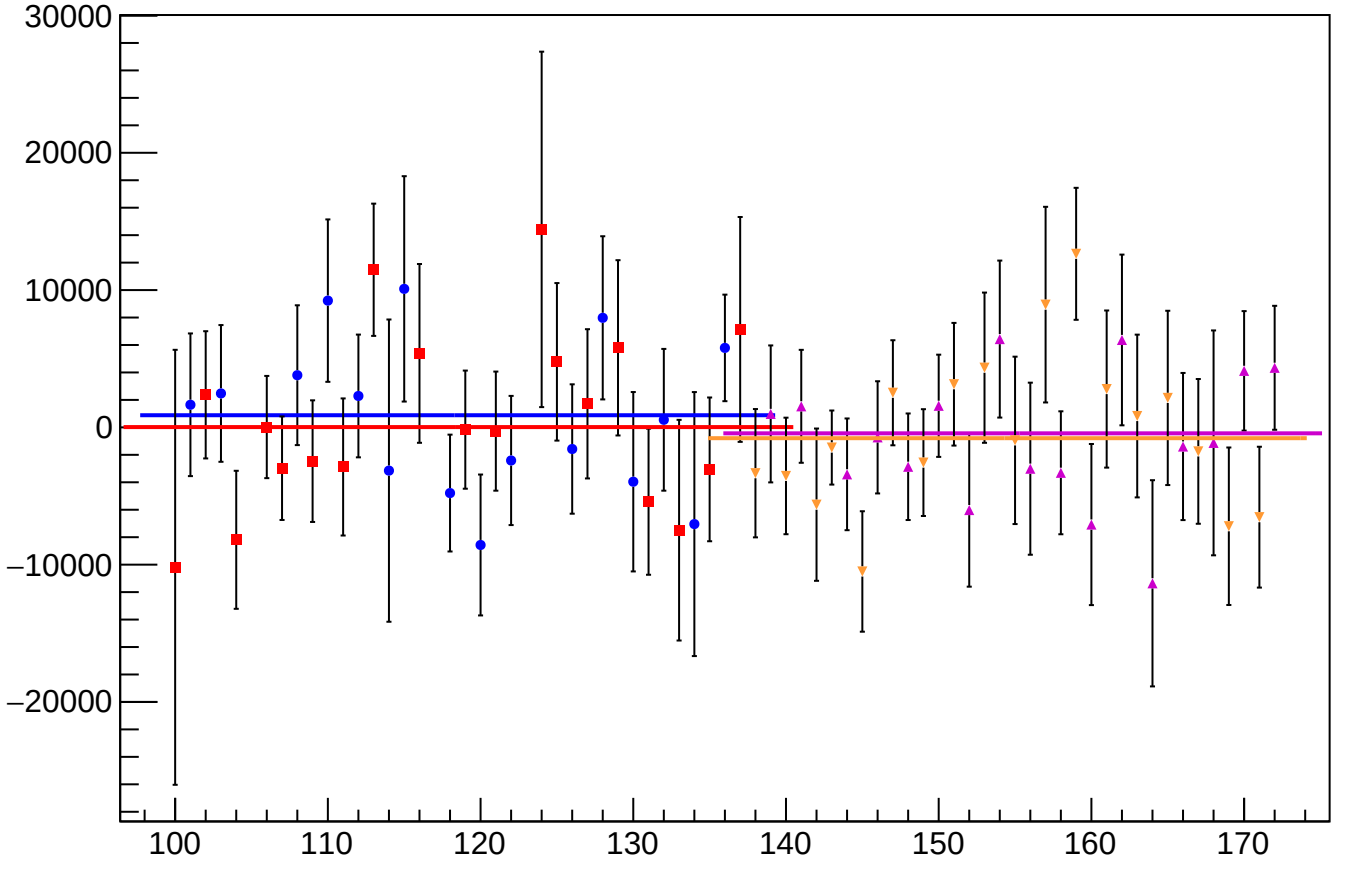
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1310.253+/-0.202 χ^2/NDF:541218.6/32

Out: 1287.070+/-0.197 χ^2/NDF:418833.0/36

All: 1298.365+/-0.141 χ^2/NDF: 966788.1/69

asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -787.990+/-1104.859 χ^2/NDF:21.9/17

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -434.012+/-1178.168 χ^2/NDF:11.4/16

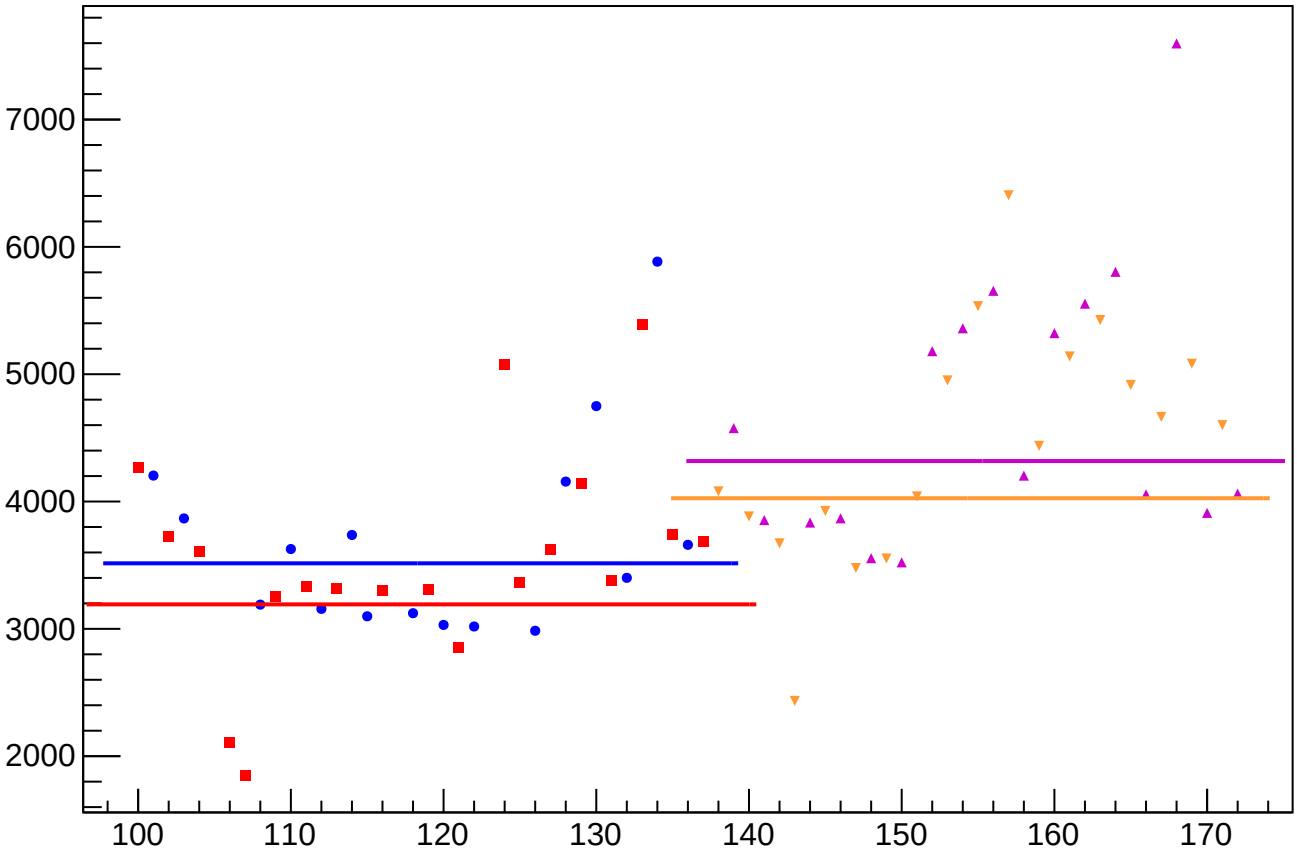
Left: -622.355+/-805.924 χ^2/NDF: 33.4/34

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 146.797+/-881.148 χ^2/NDF:26.1/32

Out: -416.983+/-812.815 χ^2/NDF:39.0/36

All: -157.799+/-597.446 χ^2/NDF: 65.3/69



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4025.912+/-0.781 χ^2/NDF:1545161.3/17

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4318.026+/-0.833 χ^2/NDF:1024028.2/16

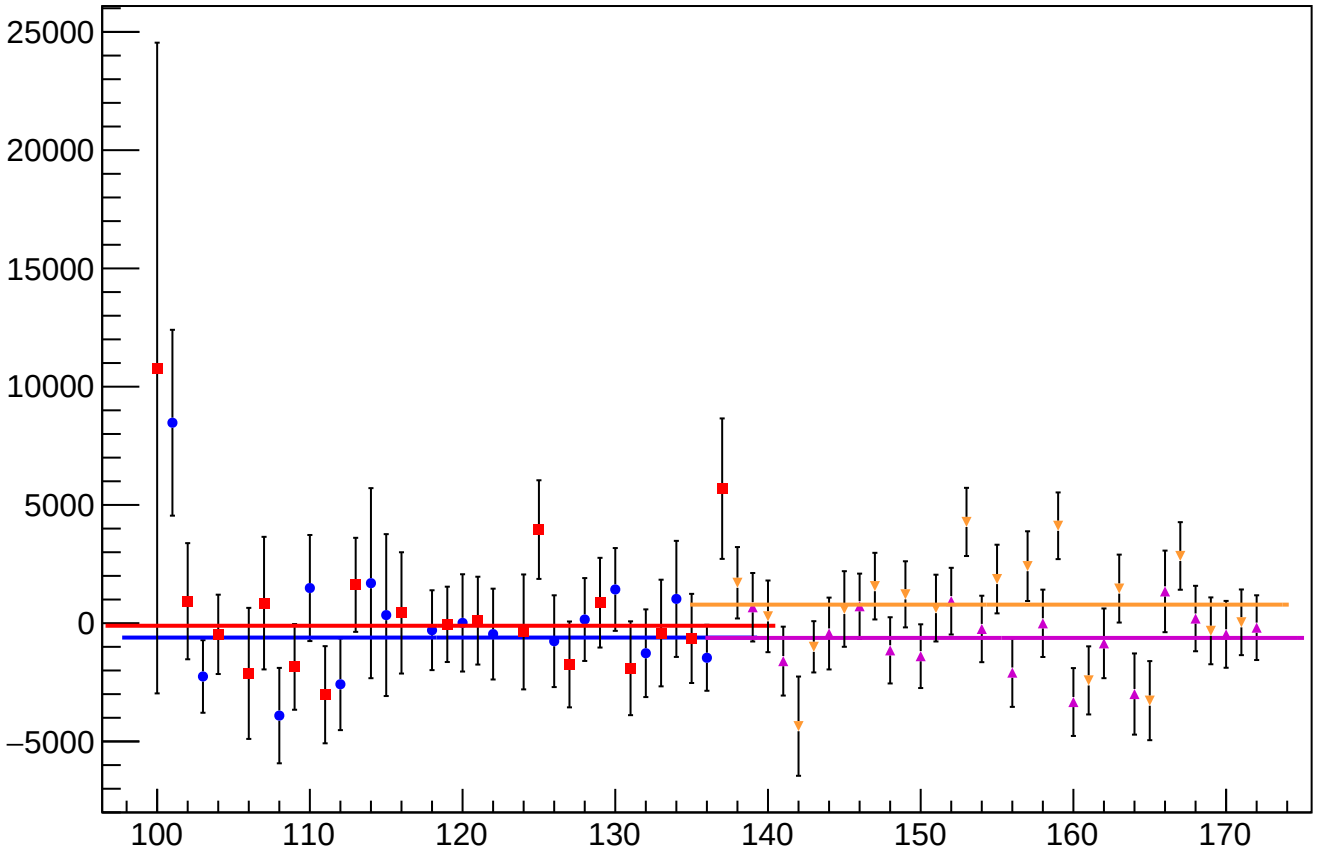
Left: 4162.599+/-0.570 χ^2/NDF: 2634607.0/34

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3964.060+/-0.623 χ^2/NDF:1808786.4/32

Out: 3643.419+/-0.575 χ^2/NDF:2840119.1/36

All: 3790.826+/-0.422 χ^2/NDF: 4791987.5/69



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 784.295+/-340.701 χ^2/NDF:36.9/17

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -623.078+/-350.788 χ^2/NDF:12.5/16

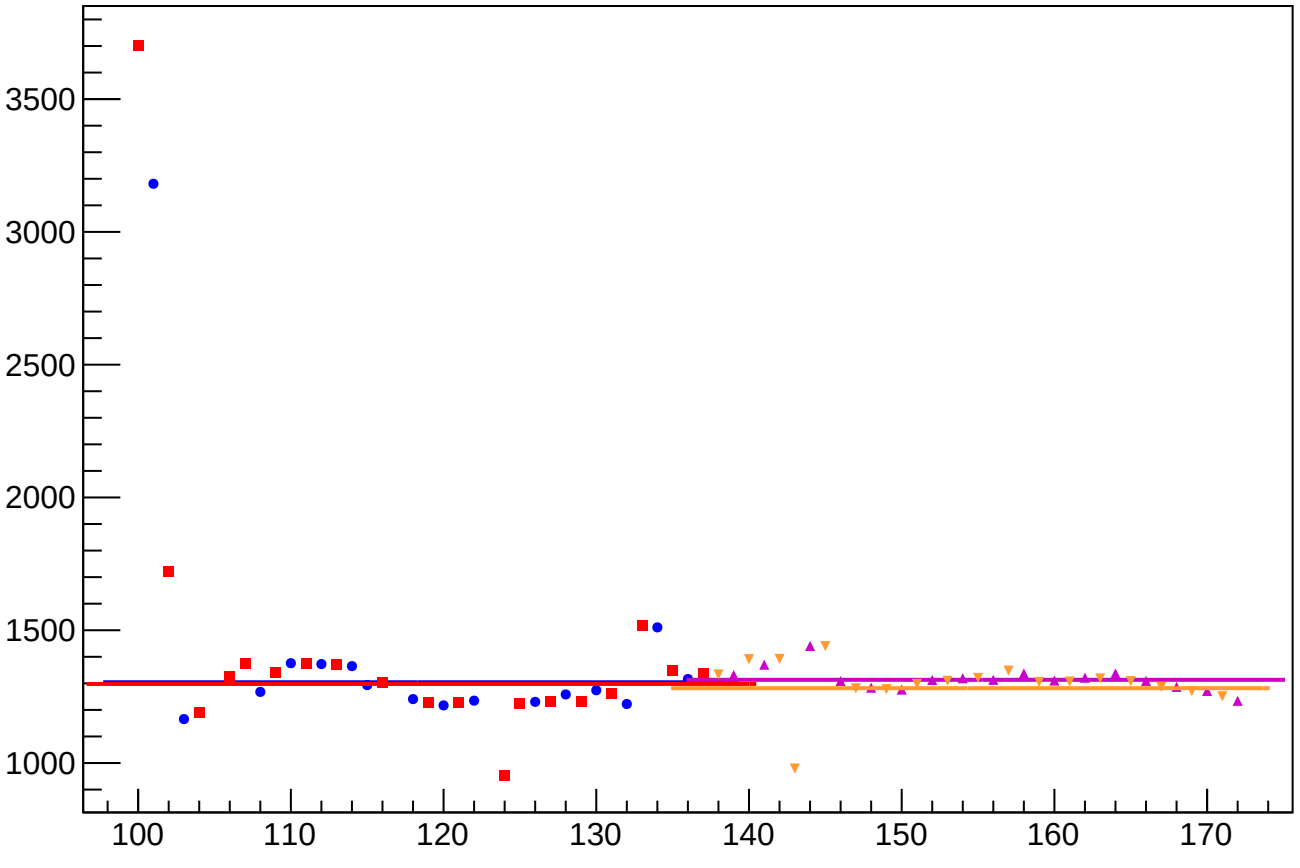
Left: 101.134+/-244.400 χ^2/NDF: 57.6/34

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -617.970+/-286.049 χ^2/NDF:26.6/32

Out: 489.708+/-278.893 χ^2/NDF:54.1/36

All: -50.104+/-199.689 χ^2/NDF: 88.3/69



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1281.782+/-0.241 χ^2/NDF:204277.7/17

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: 1297.108+/-0.173 χ^2/NDF: 242778.1/34

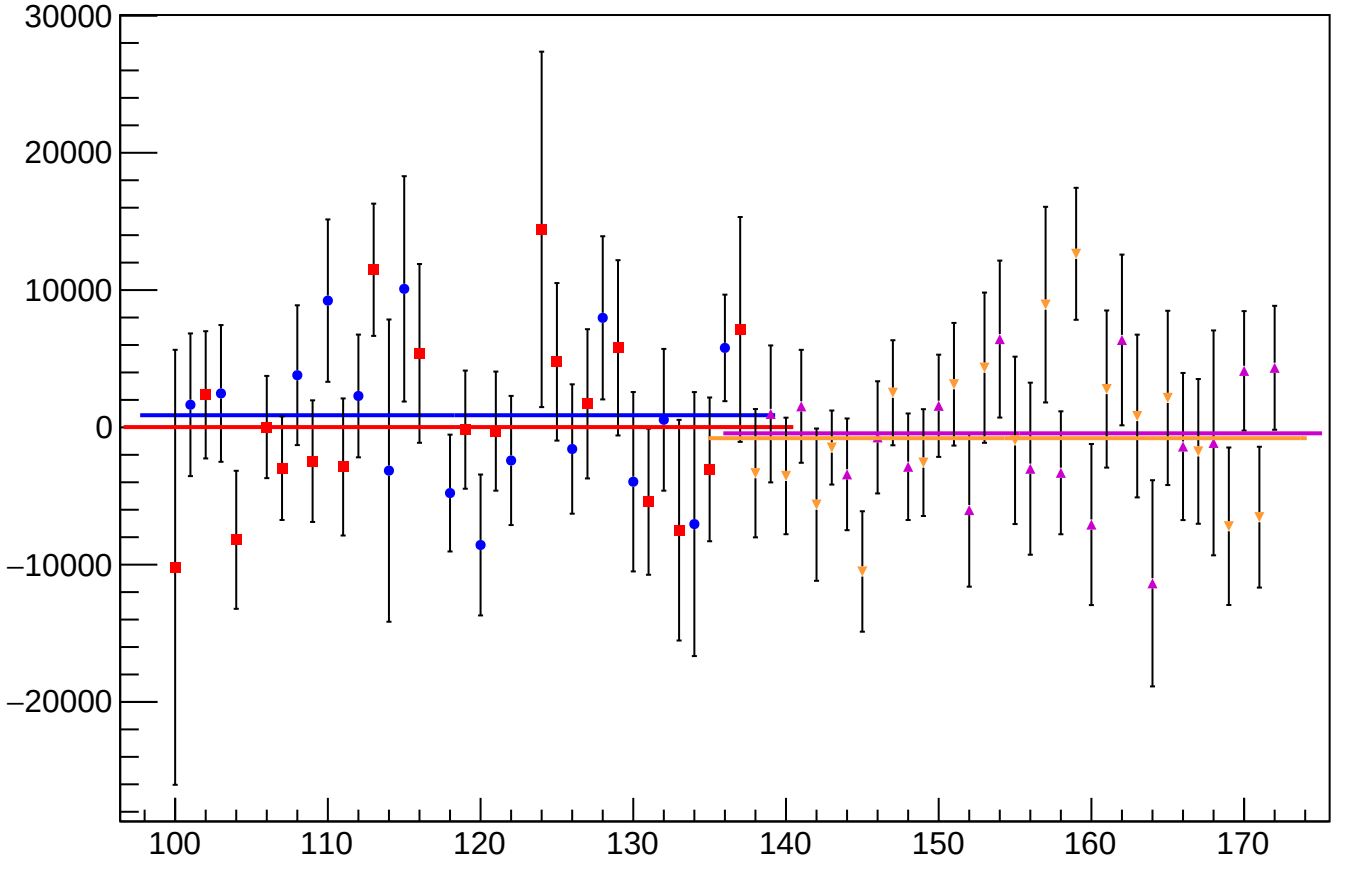
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1310.254+/-0.202 χ^2/NDF:541219.6/32

Out: 1287.071+/-0.197 χ^2/NDF:418833.8/36

All: 1298.366+/-0.141 χ^2/NDF: 966789.9/69

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: -787.988+/-1104.861 χ^2/NDF:21.9/17

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -434.011+/-1178.170 χ^2/NDF:11.4/16

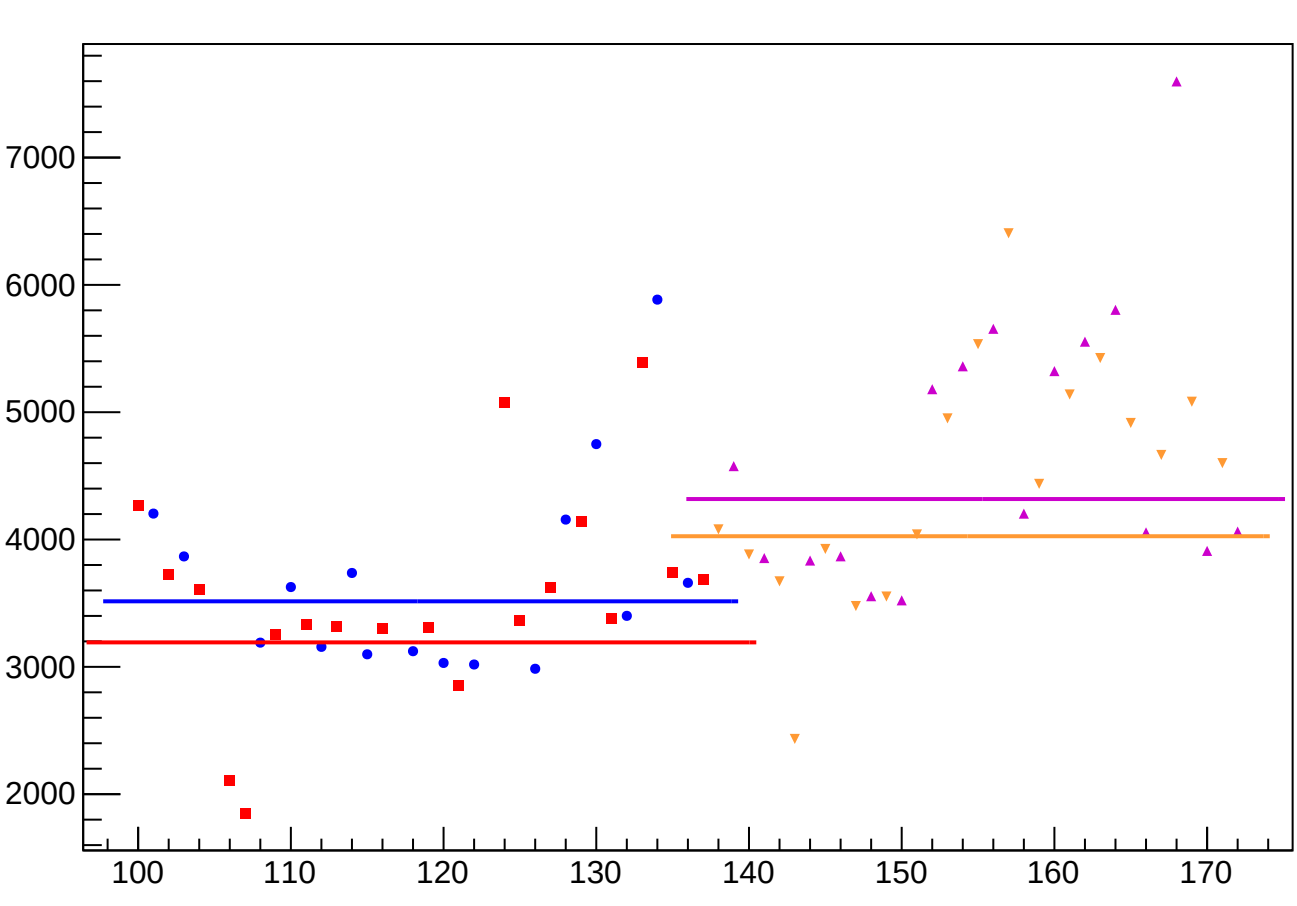
Left: -622.354+/-805.926 χ^2/NDF: 33.4/34

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 146.795+/-881.148 χ^2/NDF:26.1/32

Out: -416.982+/-812.814 χ^2/NDF:39.0/36

All: -157.799+/-597.446 χ^2/NDF: 65.3/69



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4025.918+/-0.781 χ^2/NDF:1545162.6/17

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4318.032+/-0.833 χ^2/NDF:1024030.4/16

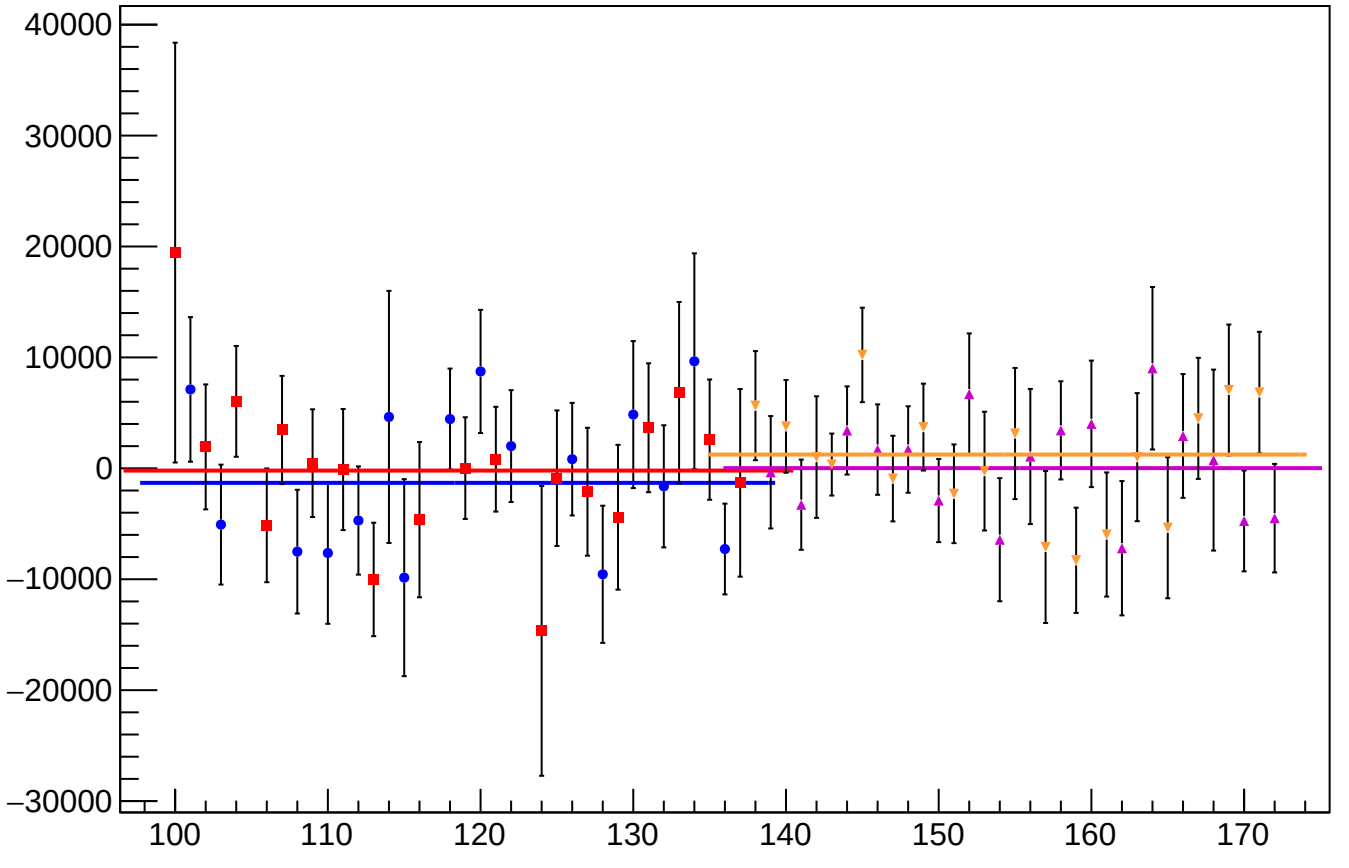
Left: 4162.605+/-0.570 χ^2/NDF: 2634610.4/34

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3964.058+/-0.623 χ^2/NDF:1808808.8/32

Out: 3643.417+/-0.575 χ^2/NDF:2840140.4/36

All: 3790.824+/-0.422 χ^2/NDF: 4792031.2/69



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1243.815+/-1111.506 χ^2/NDF:17.9/17

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 16.762+/-1180.340 χ^2/NDF:11.5/16

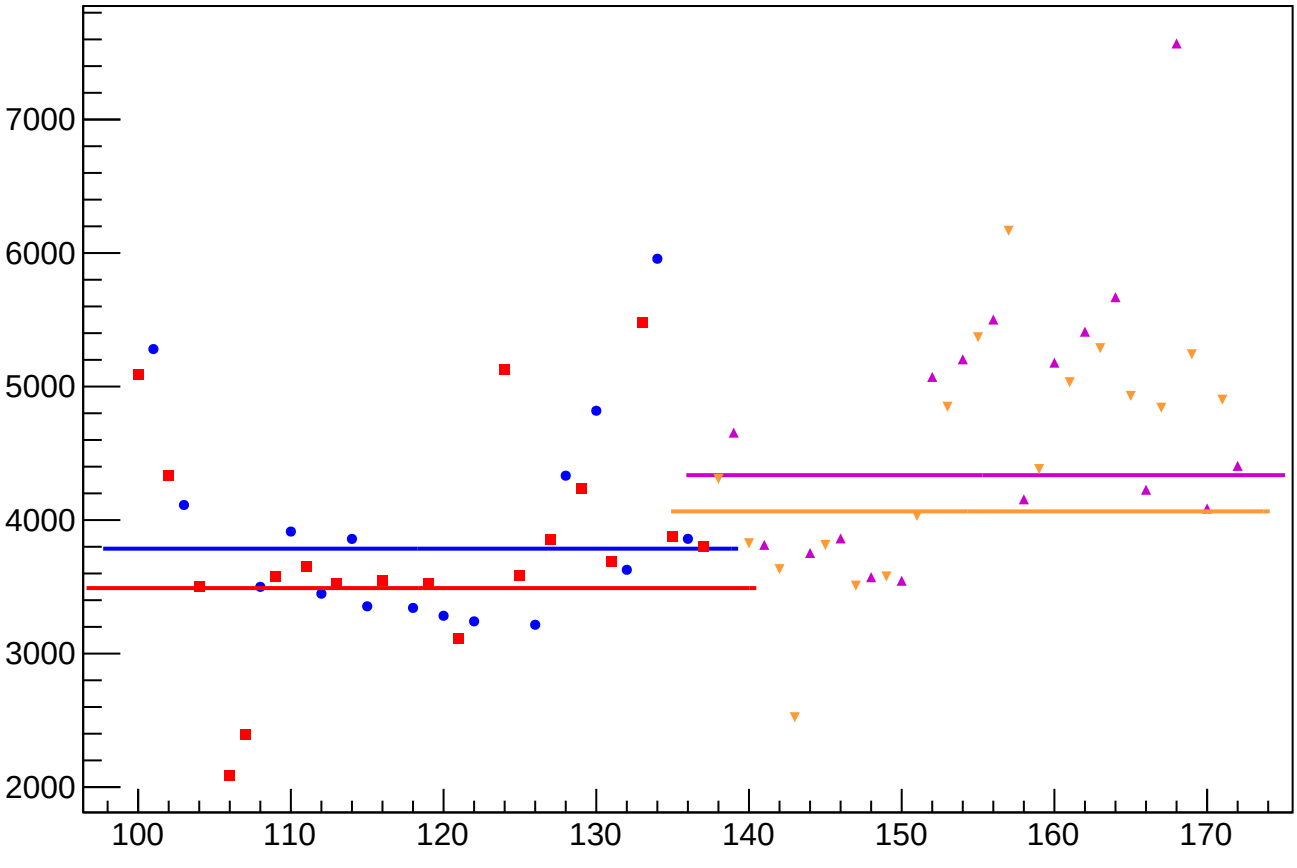
Left: 667.109+/-809.194 χ^2/NDF: 29.9/34

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -519.885+/-910.717 χ^2/NDF:29.6/32

Out: 652.615+/-854.473 χ^2/NDF:30.2/36

All: 103.686+/-623.139 χ^2/NDF: 60.7/69



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4065.155+/-0.786 χ^2/NDF:1402446.4/17

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4336.304+/-0.835 χ^2/NDF:932690.4/16

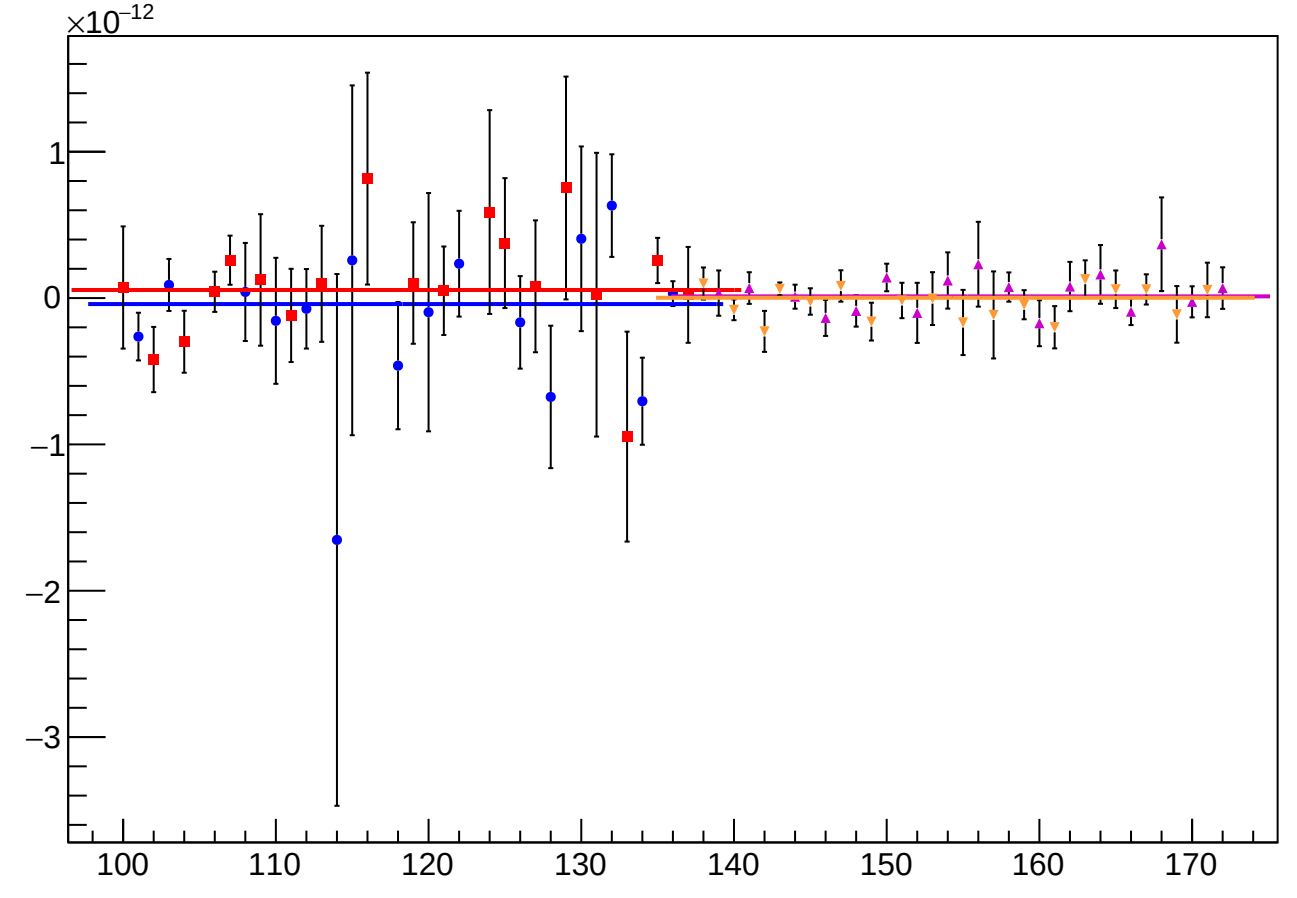
Left: 4192.593+/-0.572 χ^2/NDF: 2391075.8/34

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4113.515+/-0.644 χ^2/NDF:1491756.0/32

Out: 3826.335+/-0.601 χ^2/NDF:2211287.7/36

All: 3959.975+/-0.439 χ^2/NDF: 3809370.1/69



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.0/16

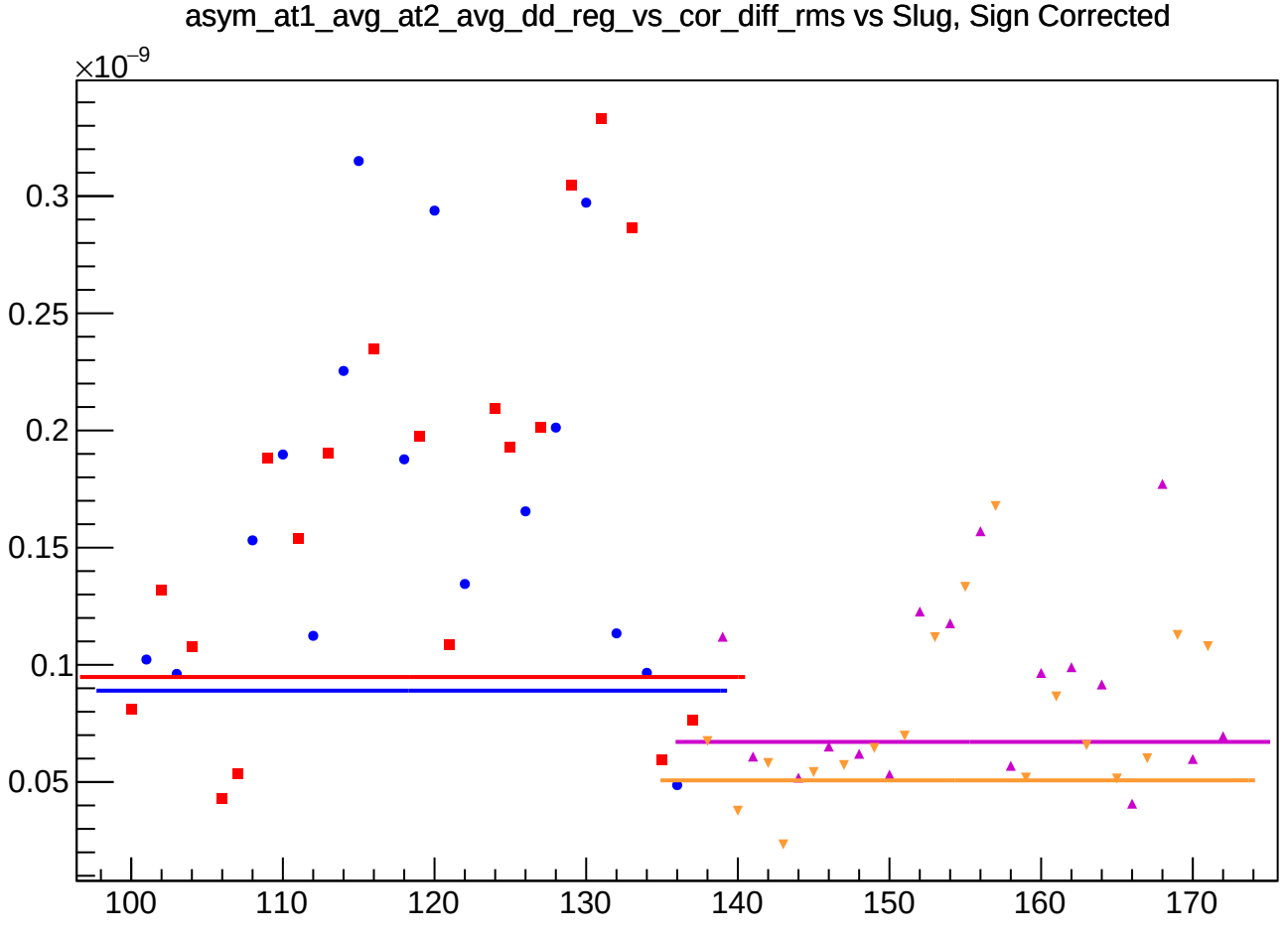
Left: 0.000+/-0.000 χ^2/NDF: 24.8/34

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:30.3/36

All: 0.000+/-0.000 χ^2/NDF: 58.6/69



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2349026.0/17

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: 4075850.0/34

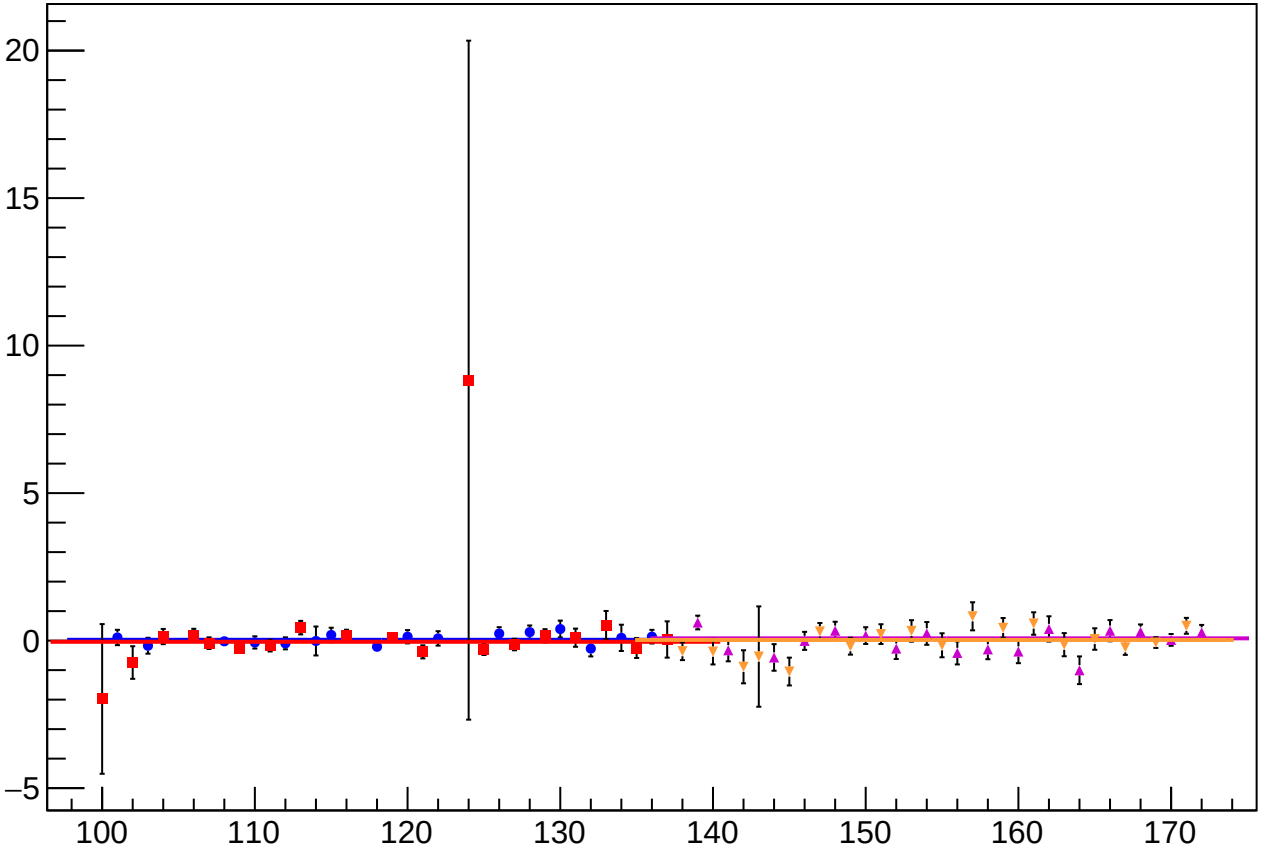
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3052520.8/32

Out: 0.000+/-0.000 χ^2/NDF:4912872.7/36

All: 0.000+/-0.000 χ^2/NDF: 8342582.9/69

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: 0.023+/-0.078 χ^2/NDF:24.2/17

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: 0.051+/-0.054 χ^2/NDF: 47.0/34

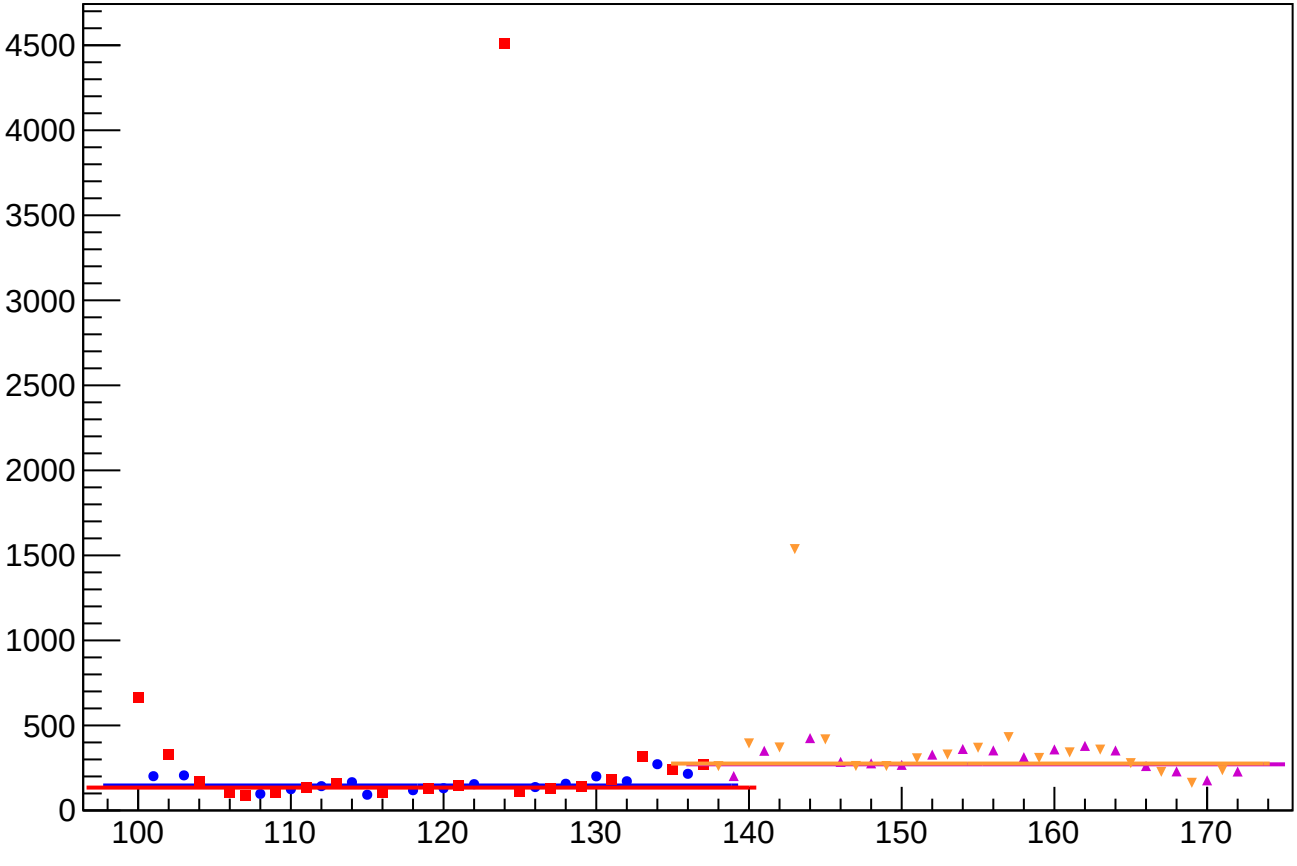
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.046+/-0.046 χ^2/NDF:32.3/32

Out: -0.019+/-0.045 χ^2/NDF:44.6/36

All: 0.013+/-0.032 χ^2/NDF: 77.9/69

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: 275.807+/-0.055 χ^2/NDF:2935721.4/17

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: 273.465+/-0.038 χ^2/NDF: 4566554.1/34

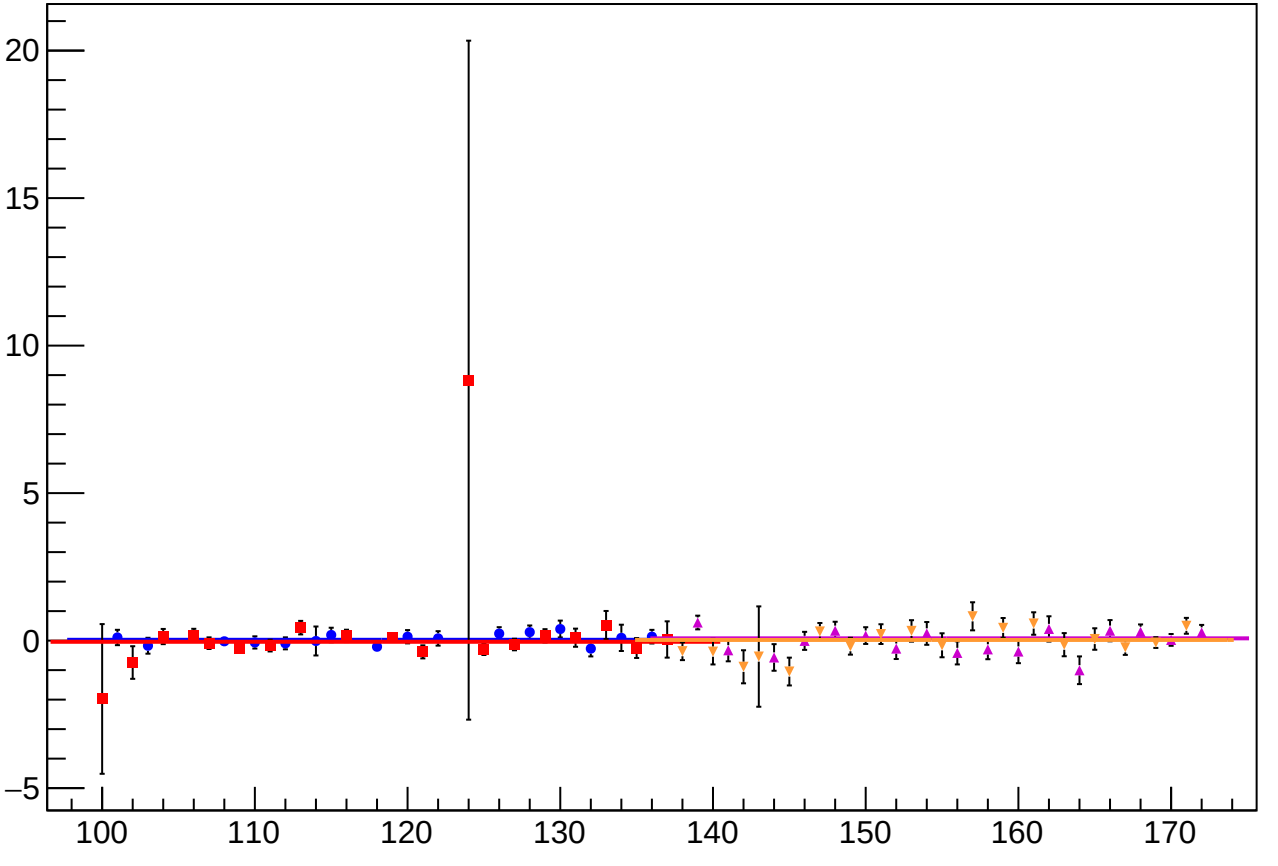
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 192.656+/-0.032 χ^2/NDF:6051336.4/32

Out: 181.238+/-0.032 χ^2/NDF:8943415.2/36

All: 186.815+/-0.023 χ^2/NDF: 15058163.4/69

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: 0.023+/-0.078 χ^2/NDF:24.2/17

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: 0.051+/-0.054 χ^2/NDF: 47.0/34

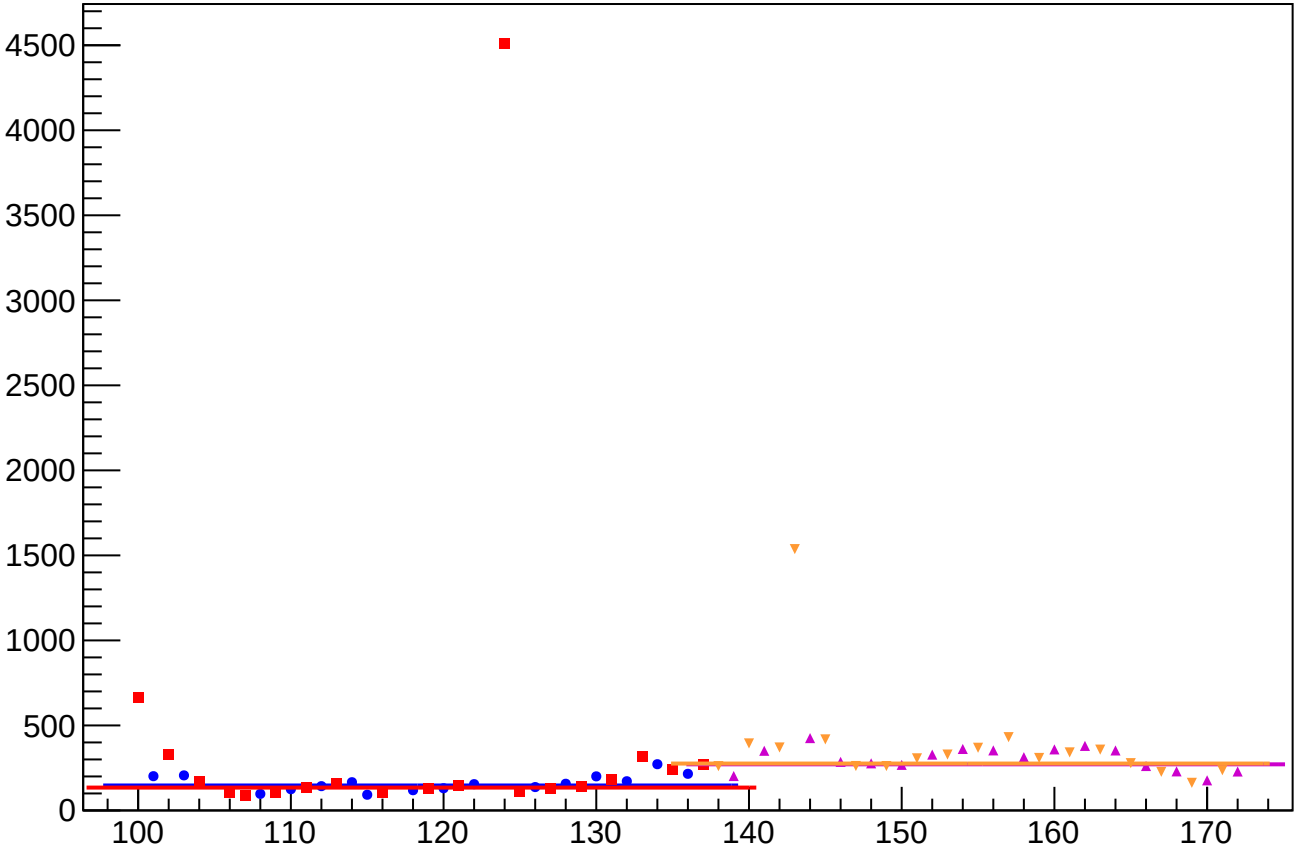
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.046+/-0.046 χ^2/NDF:32.3/32

Out: -0.019+/-0.045 χ^2/NDF:44.6/36

All: 0.013+/-0.032 χ^2/NDF: 77.9/69

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: 275.807+/-0.055 χ^2/NDF:2935721.4/17

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 271.262+/-0.053 χ^2/NDF:1627326.4/16

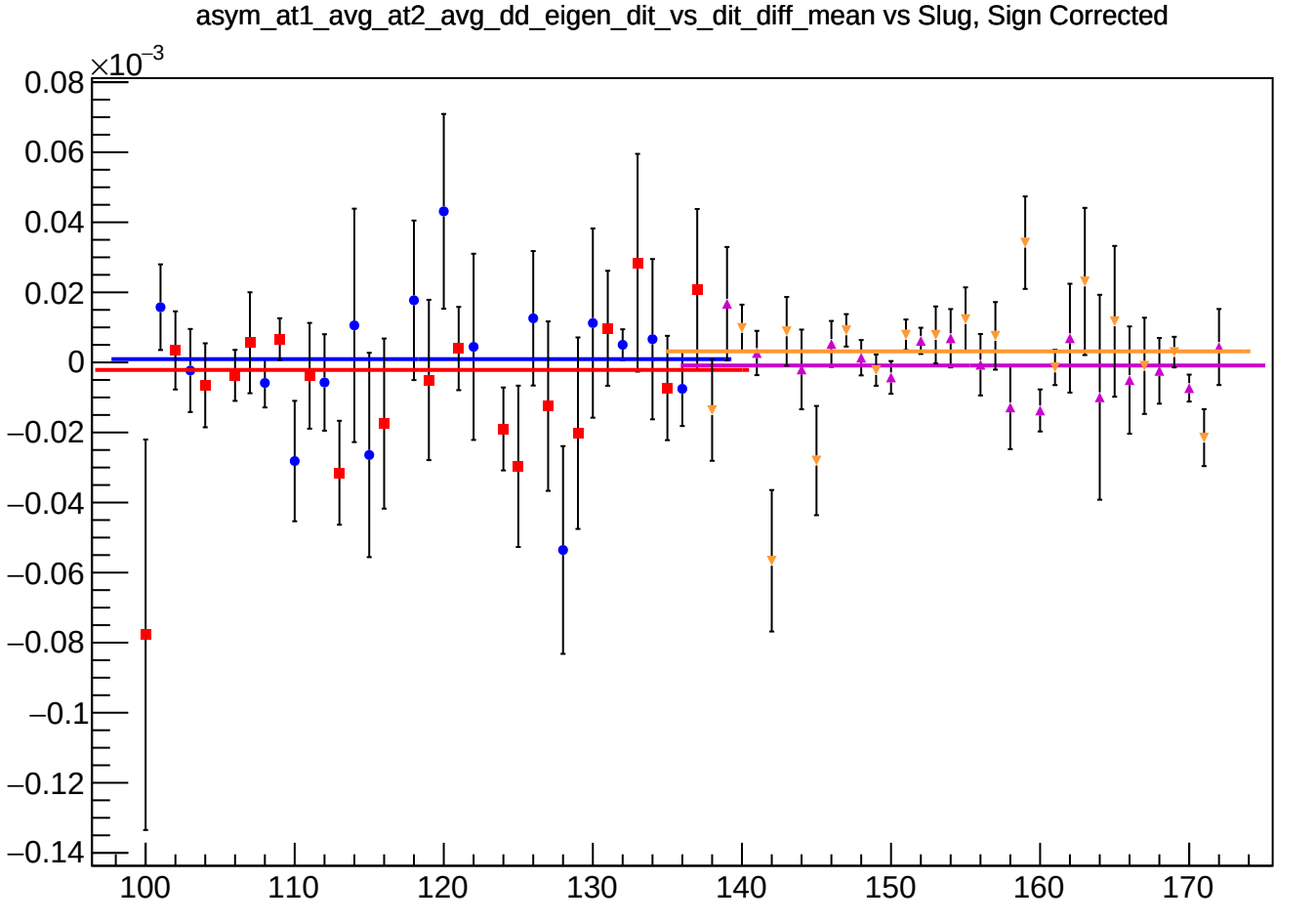
Left: 273.465+/-0.038 χ^2/NDF: 4566554.1/34

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 192.656+/-0.032 χ^2/NDF:6051336.4/32

Out: 181.238+/-0.032 χ^2/NDF:8943415.2/36

All: 186.815+/-0.023 χ^2/NDF: 15058163.4/69



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:38.0/17

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:16.6/16

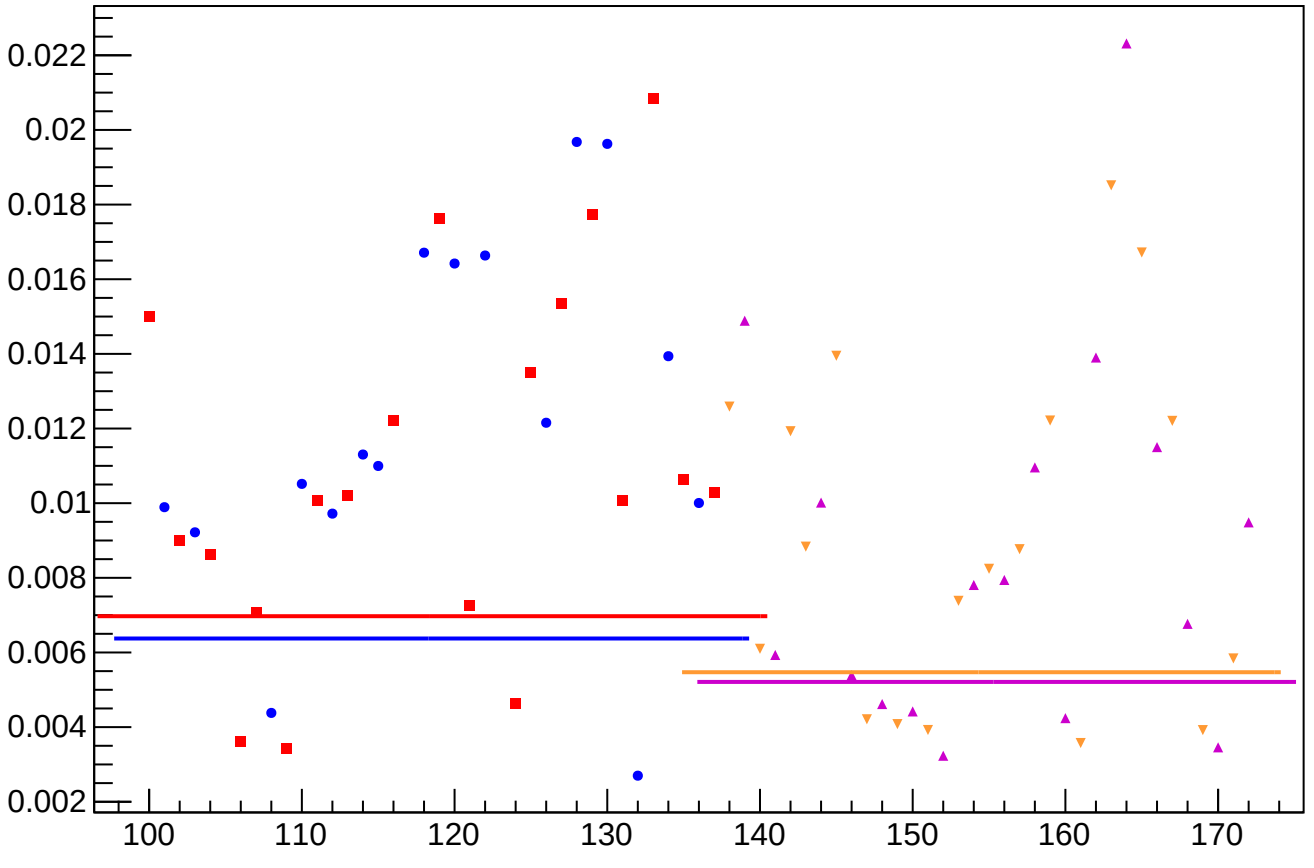
Left: 0.000+/-0.000 χ^2/NDF: 57.6/34

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:56.4/36

All: 0.000+/-0.000 χ^2/NDF: 89.5/69



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:5516719.2/17

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: 10619660.1/34

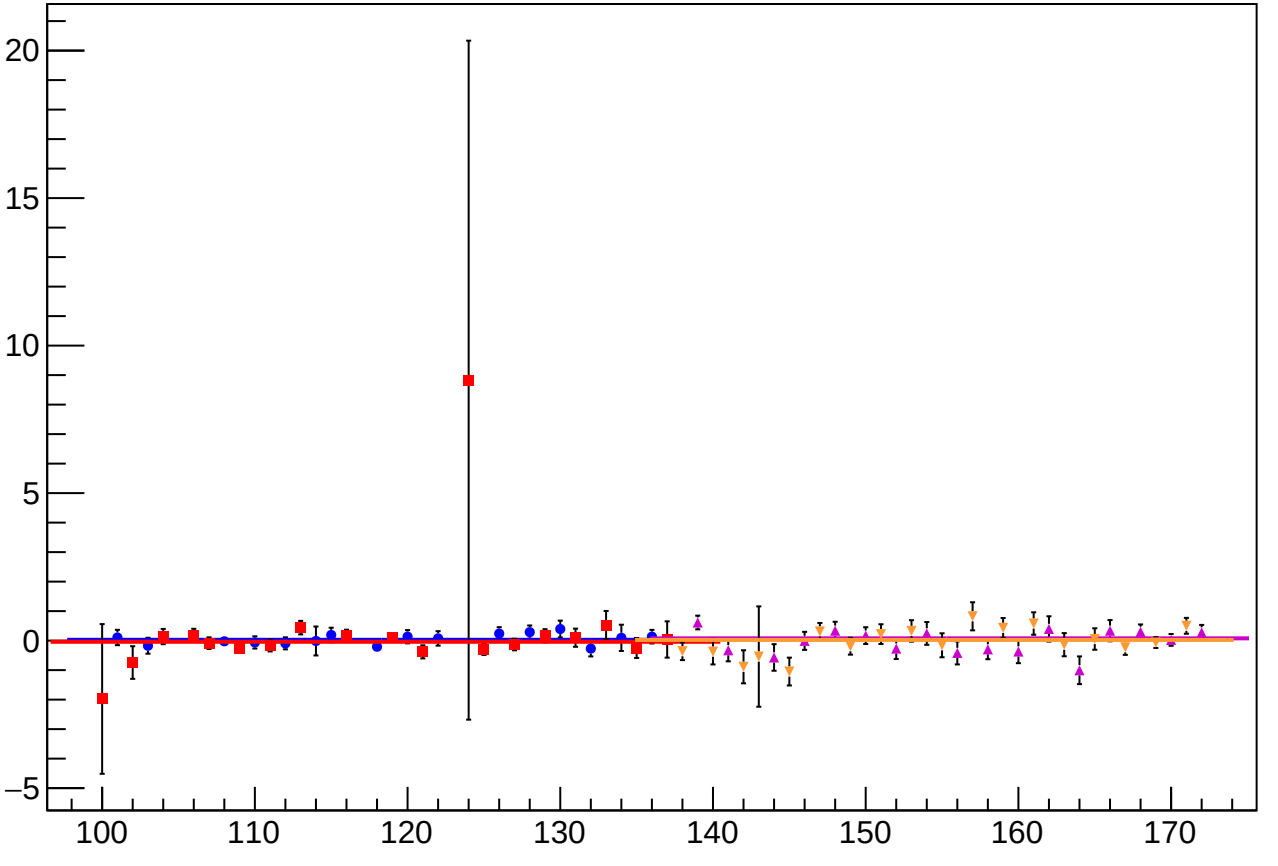
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.005+/-0.000 χ^2/NDF:9959101.2/32

Out: 0.006+/-0.000 χ^2/NDF:9304892.8/36

All: 0.006+/-0.000 χ^2/NDF: 19319338.9/69

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: 0.023+/-0.078 χ^2/NDF:24.2/17

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: 0.051+/-0.054 χ^2/NDF: 47.0/34

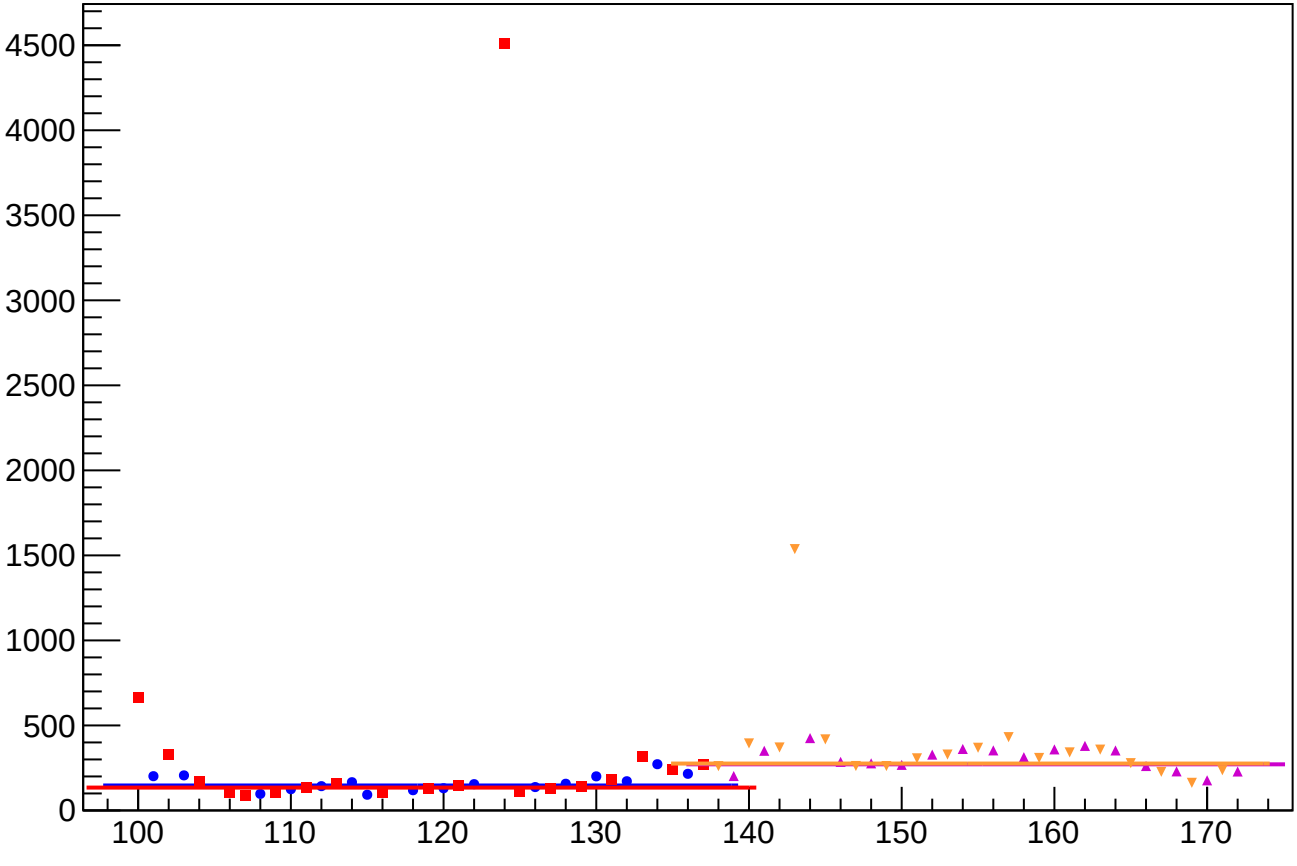
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.046+/-0.046 χ^2/NDF:32.3/32

Out: -0.019+/-0.045 χ^2/NDF:44.6/36

All: 0.013+/-0.032 χ^2/NDF: 77.9/69

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: 275.808+/-0.055 χ^2/NDF:2935825.9/17

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: 273.466+/-0.038 χ^2/NDF: 4566710.3/34

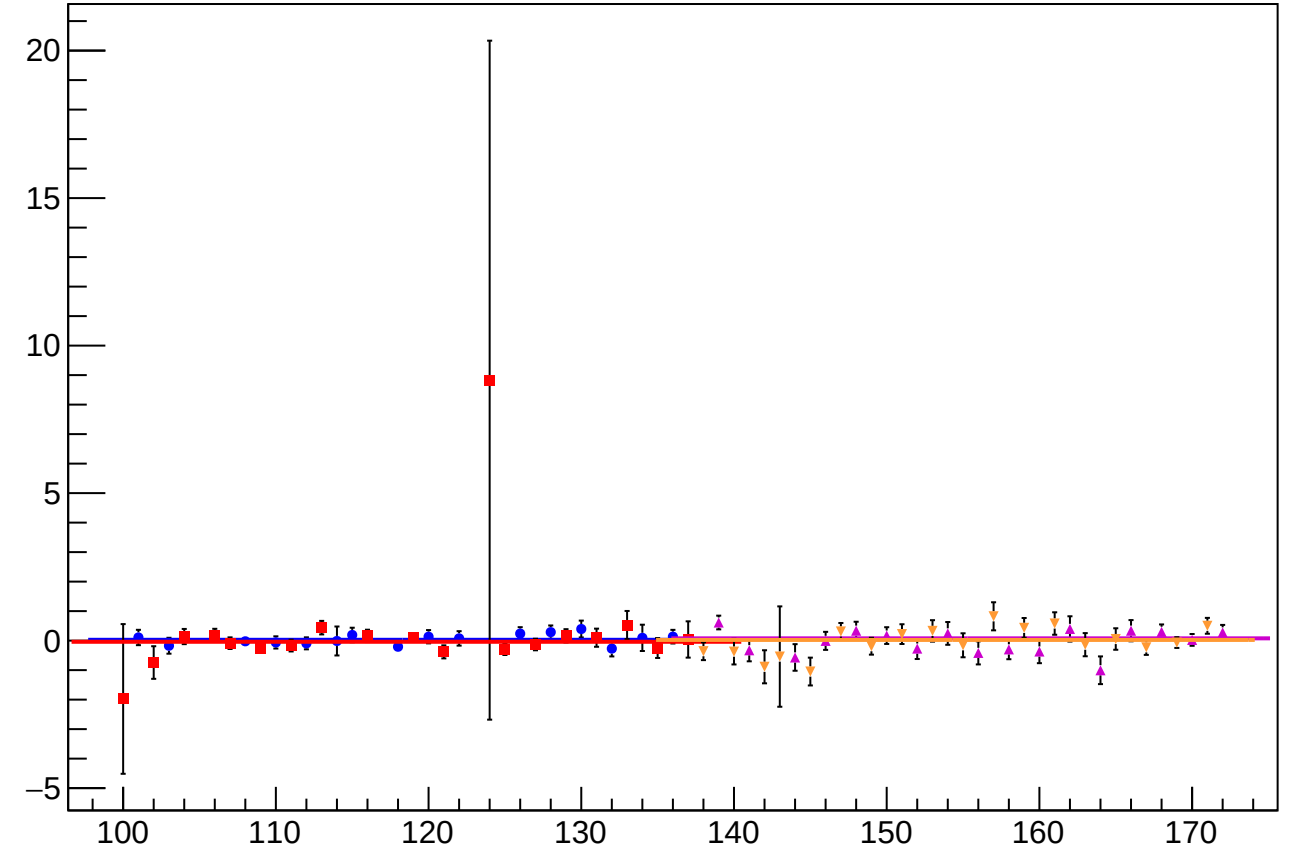
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 192.656+/-0.032 χ^2/NDF:6051420.2/32

Out: 181.240+/-0.032 χ^2/NDF:8943392.9/36

All: 186.816+/-0.023 χ^2/NDF: 15058211.2/69

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: 0.023+/-0.078 χ^2/NDF:24.2/17

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: 0.051+/-0.054 χ^2/NDF: 47.0/34

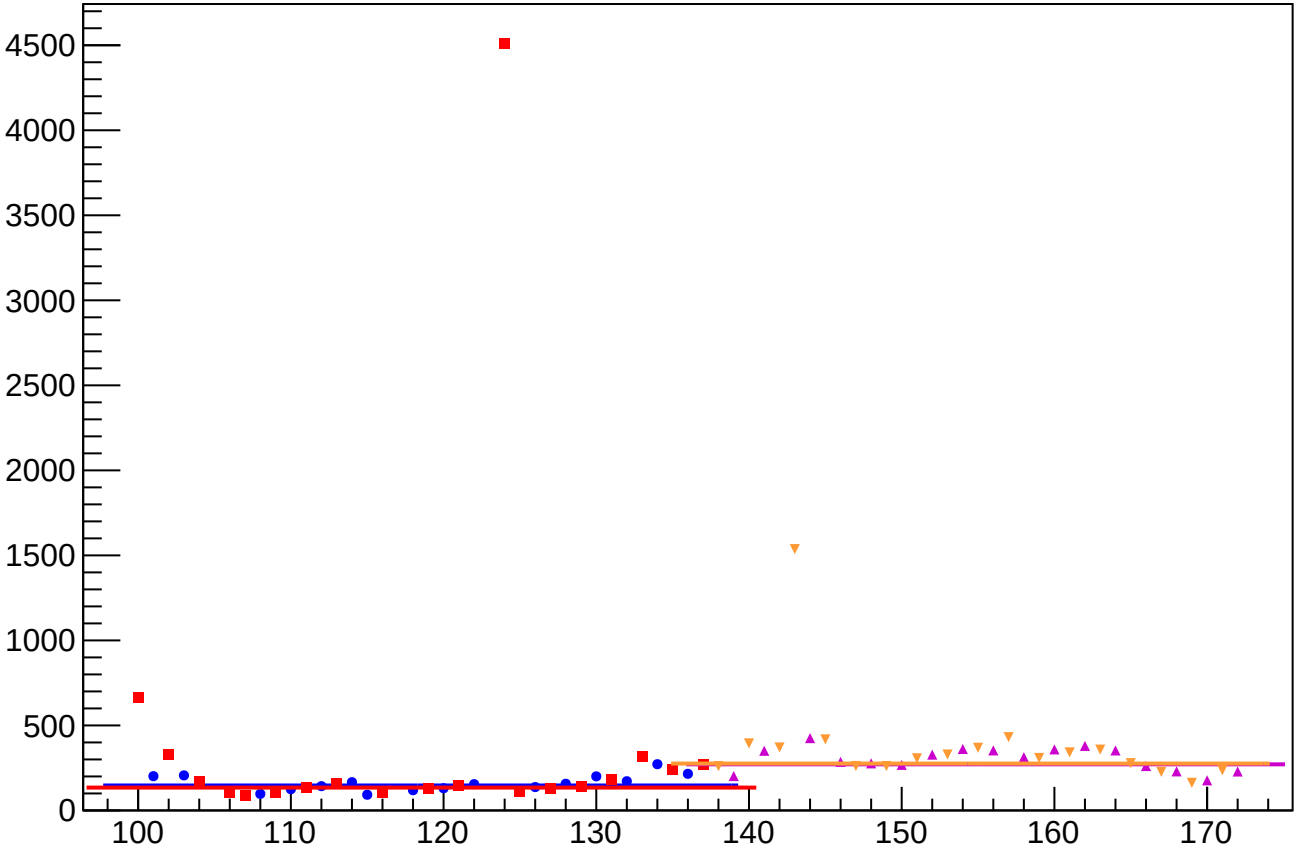
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.046+/-0.046 χ^2/NDF:32.3/32

Out: -0.019+/-0.045 χ^2/NDF:44.6/36

All: 0.013+/-0.032 χ^2/NDF: 77.9/69

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: 275.808+/-0.055 χ^2/NDF:2935825.9/17

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 271.264+/-0.053 χ^2/NDF:1627379.4/16

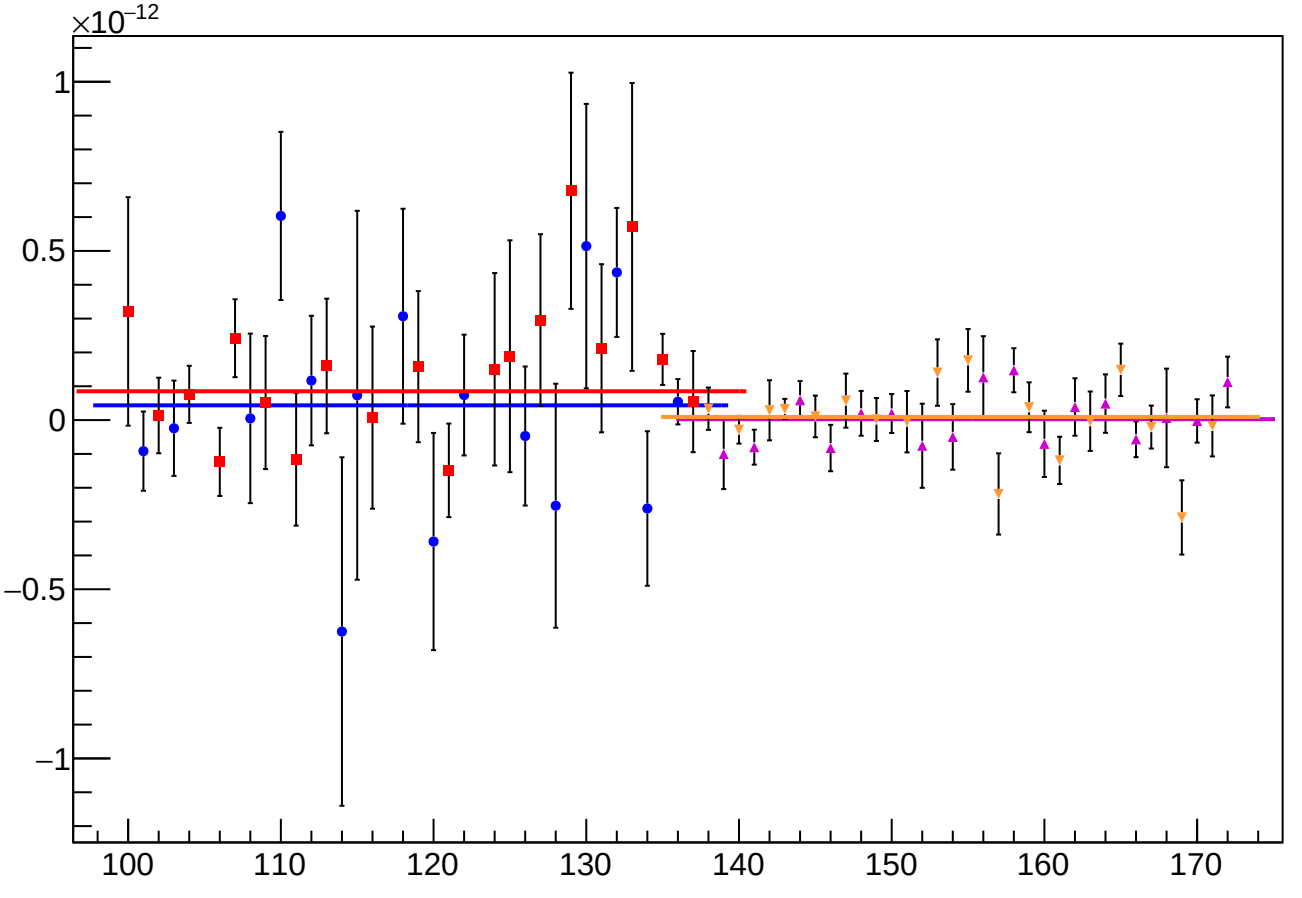
Left: 273.466+/-0.038 χ^2/NDF: 4566710.3/34

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 192.656+/-0.032 χ^2/NDF:6051420.2/32

Out: 181.240+/-0.032 χ^2/NDF:8943392.9/36

All: 186.816+/-0.023 χ^2/NDF: 15058211.2/69



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/17

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: 42.6/34

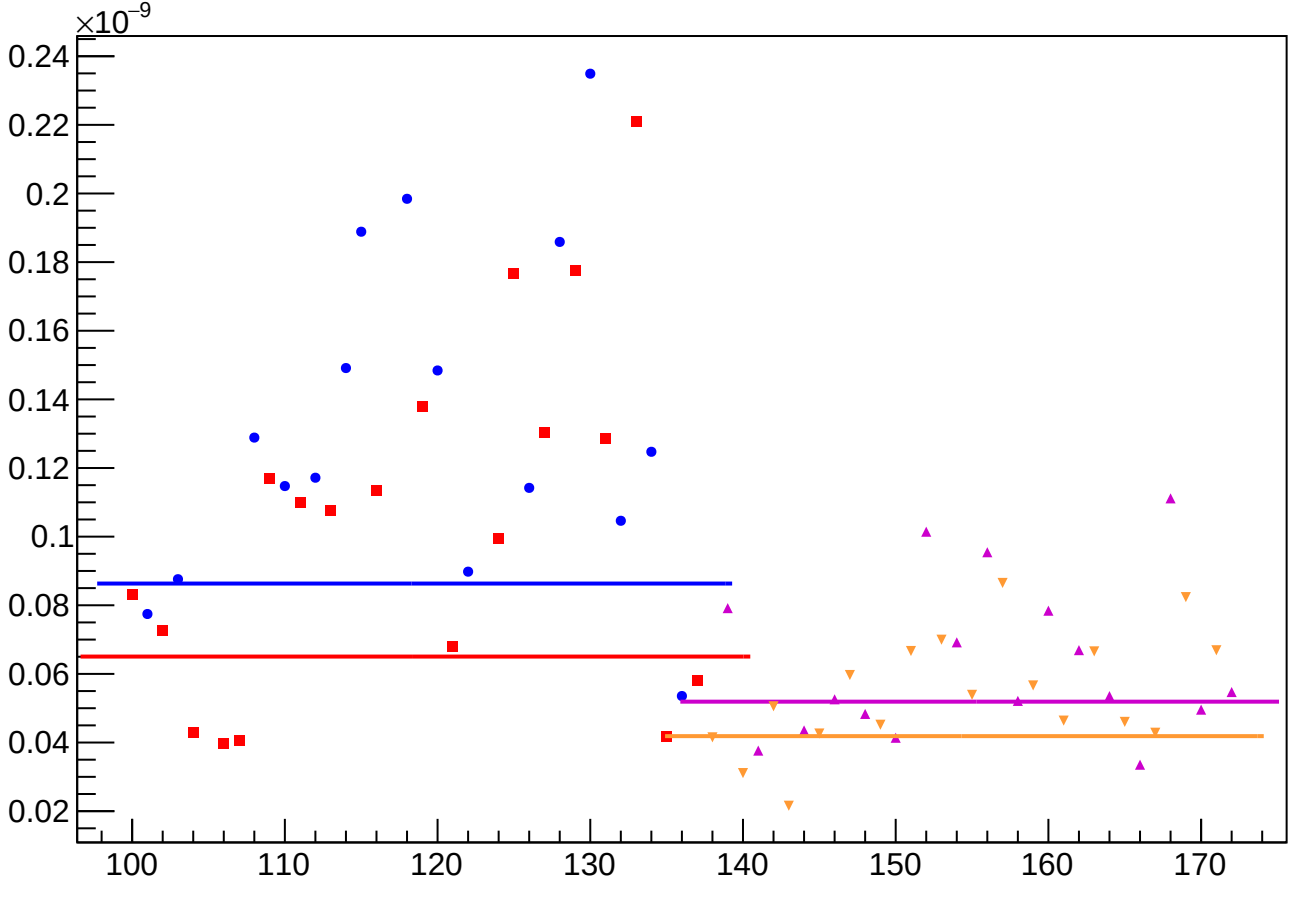
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:37.1/32

Out: 0.000+/-0.000 χ^2/NDF:47.5/36

All: 0.000+/-0.000 χ^2/NDF: 84.9/69

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:2503029.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1832464.0/16

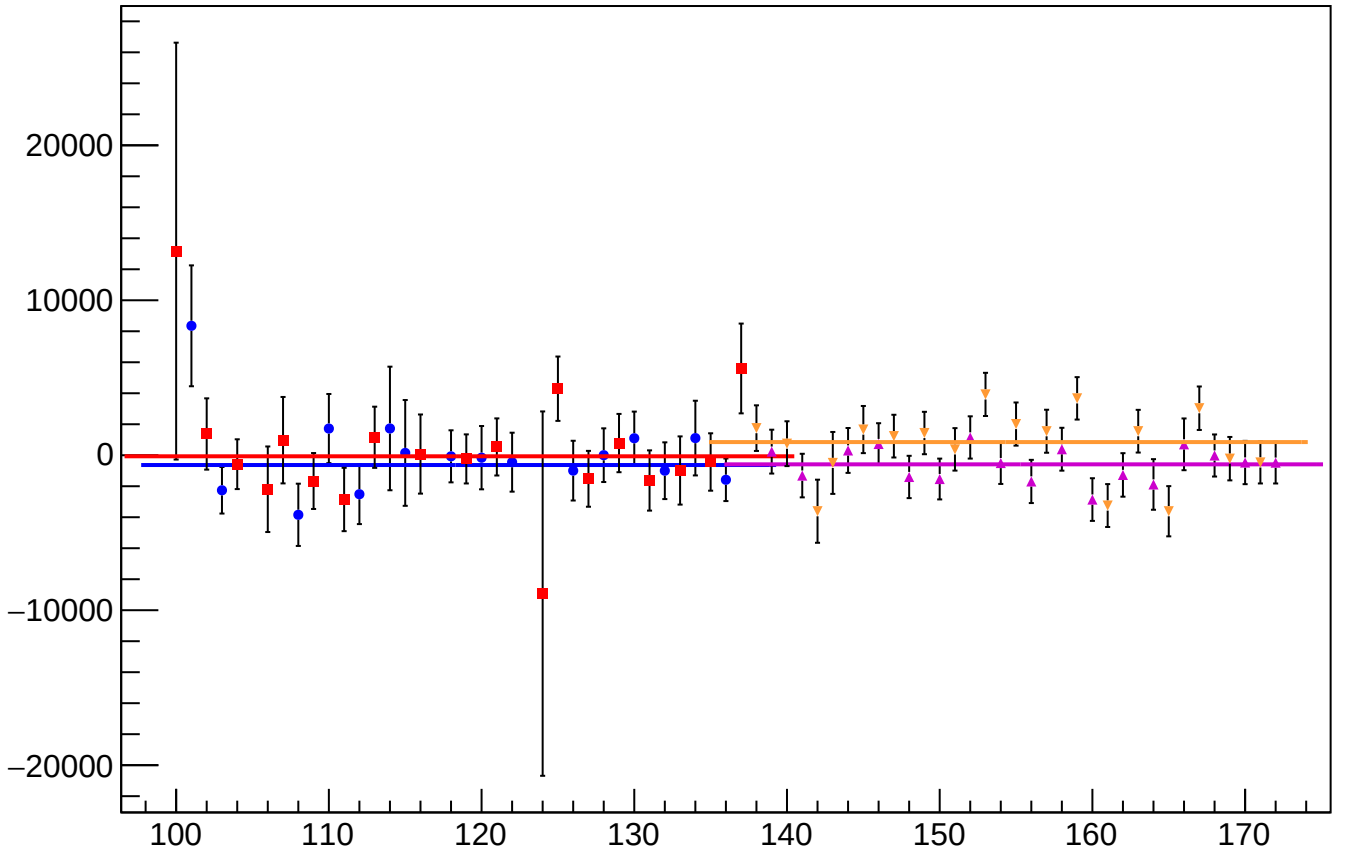
Left: 0.000+/-0.000 χ^2/NDF: 4707215.6/34

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:5428790.5/36

All: 0.000+/-0.000 χ^2/NDF: 10486740.7/69



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 849.580+/-342.350 χ^2/NDF:36.9/17

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -587.016+/-339.943 χ^2/NDF:10.0/16

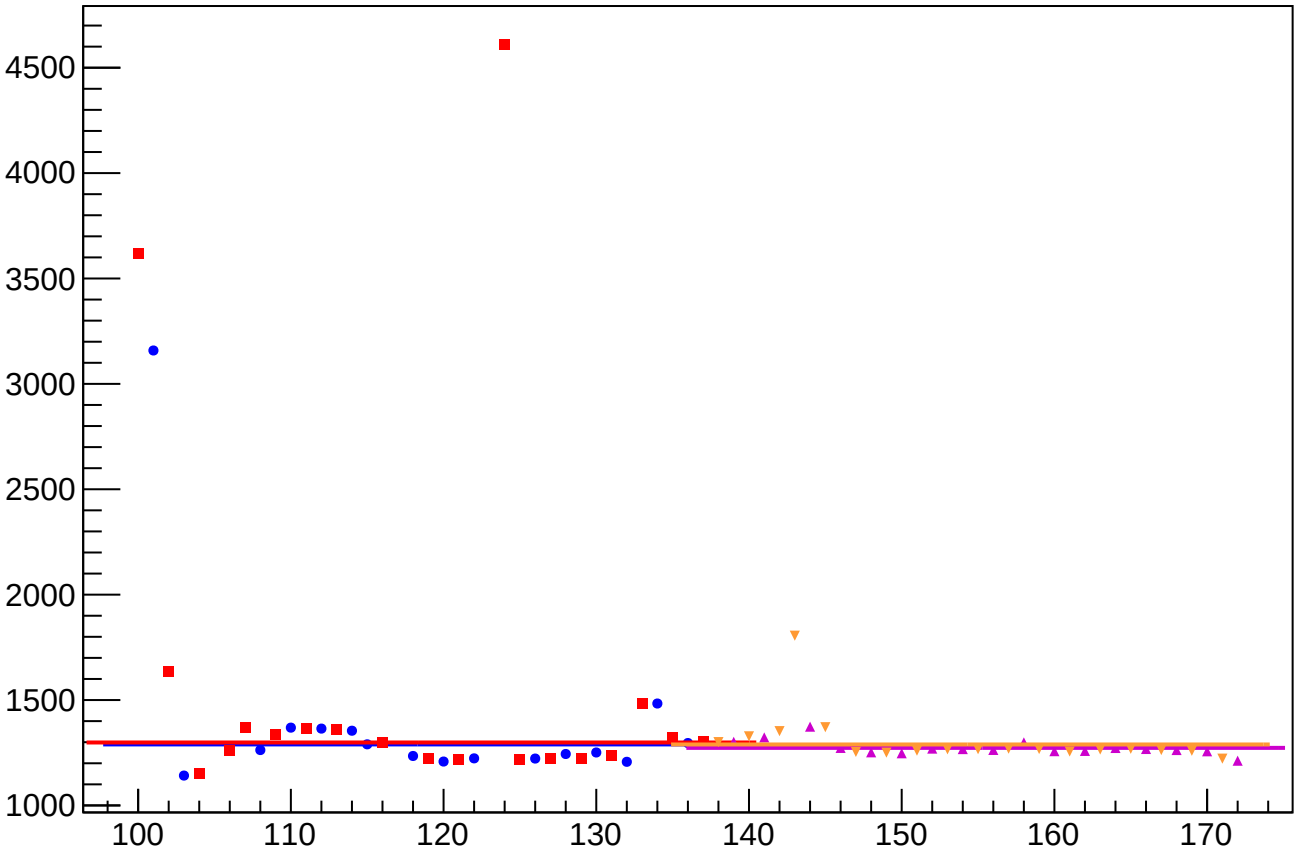
Left: 126.215+/-241.223 χ^2/NDF: 55.7/34

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -601.373+/-279.060 χ^2/NDF:23.9/32

Out: 546.856+/-280.216 χ^2/NDF:55.2/36

All: -29.632+/-197.733 χ^2/NDF: 87.5/69



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1289.208+/-0.242 χ^2/NDF:157144.9/17

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1273.082+/-0.240 χ^2/NDF:20041.8/16

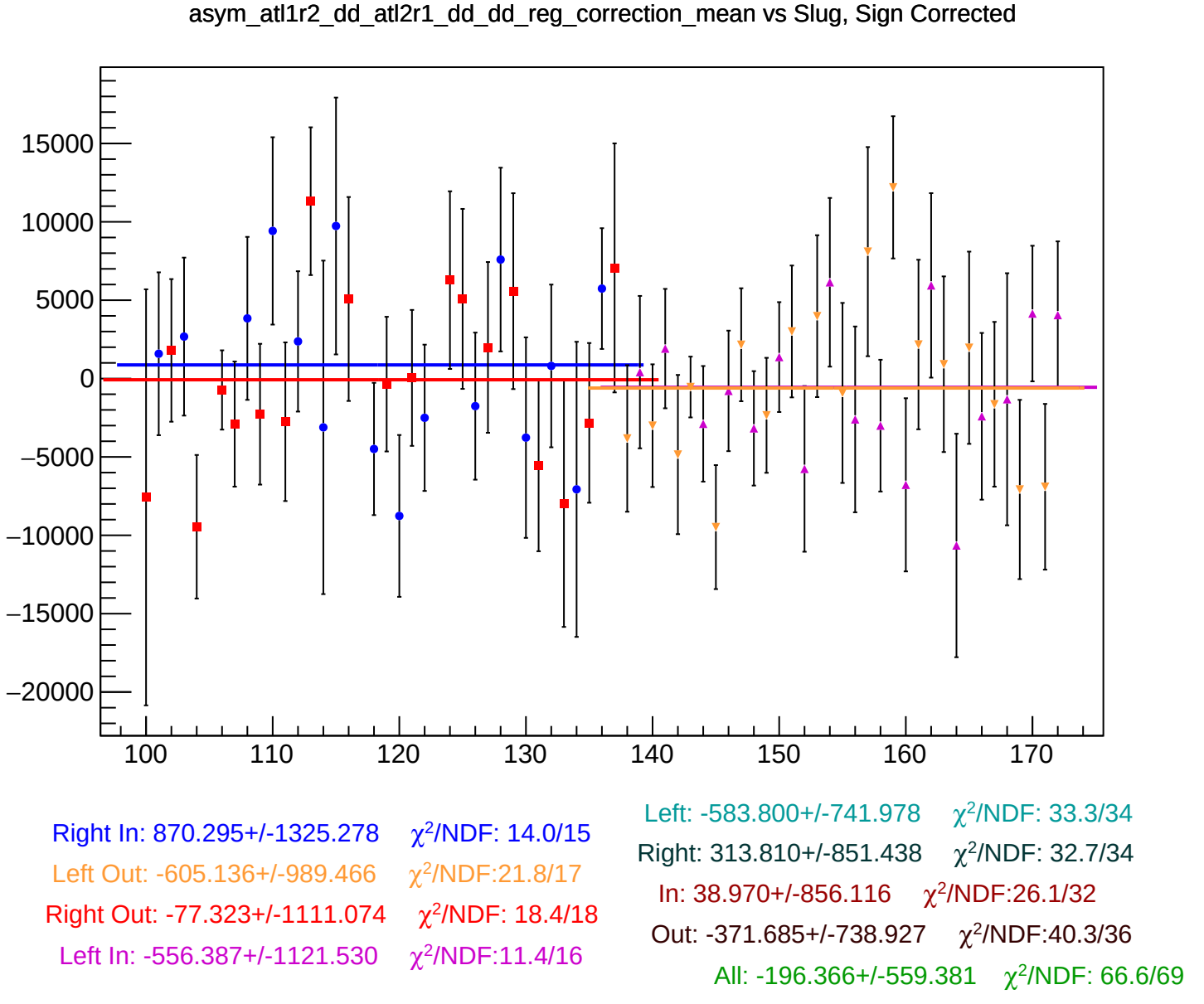
Left: 1281.088+/-0.171 χ^2/NDF: 179420.9/34

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1278.425+/-0.197 χ^2/NDF:536231.9/32

Out: 1292.337+/-0.198 χ^2/NDF:477024.2/36

All: 1285.358+/-0.140 χ^2/NDF: 1015733.2/69


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
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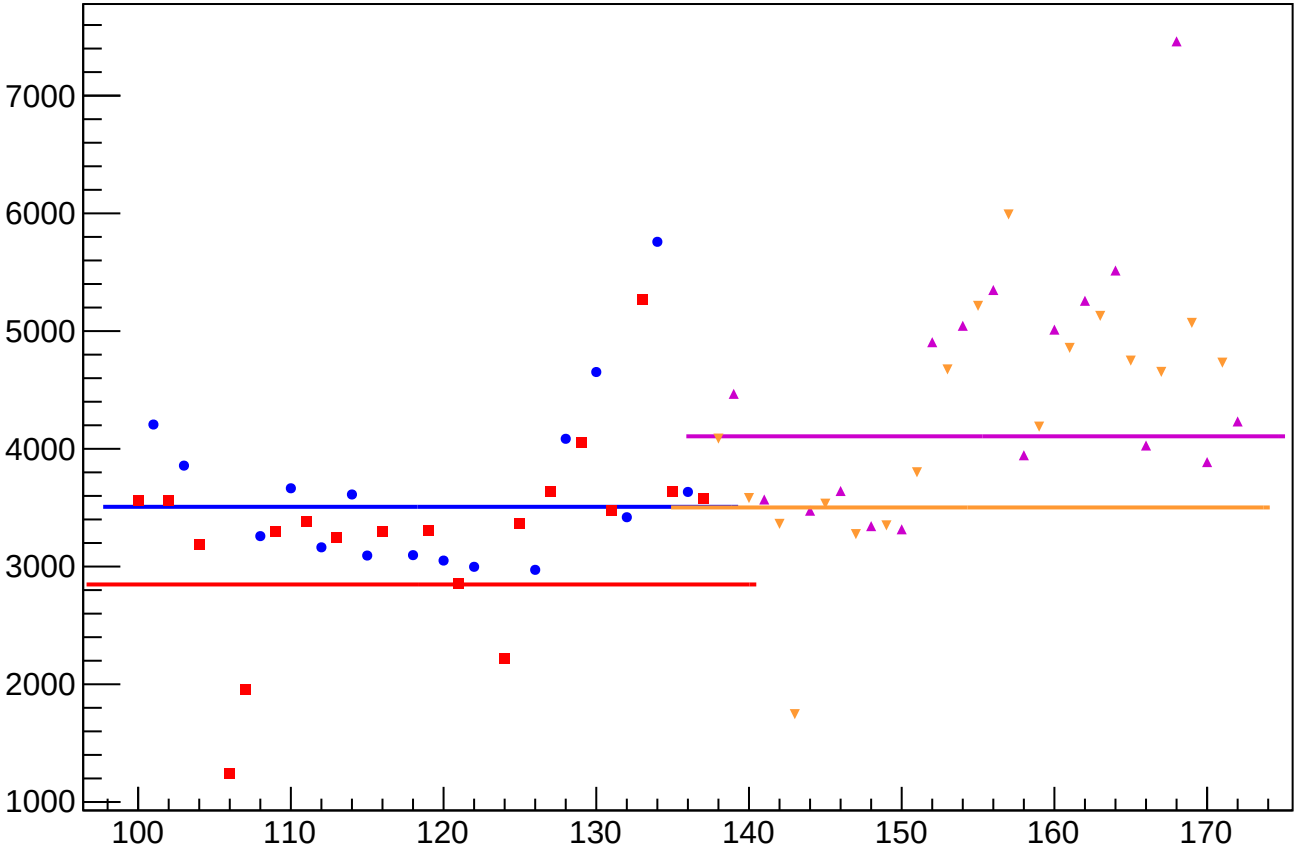
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -605.136+/-989.466 χ²/NDF:21.8/17
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -556.387+/-1121.530 χ²/NDF:11.4/16
Left: -583.800+/-741.978 χ²/NDF: 33.3/34
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 38.970+/-856.116 χ²/NDF:26.1/32
Out: -371.685+/-738.927 χ²/NDF:40.3/36
All: -196.366+/-559.381 χ²/NDF: 66.6/69

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3501.994+/-0.700 χ^2/NDF:3030673.0/17

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4106.259+/-0.793 χ^2/NDF:1088548.5/16

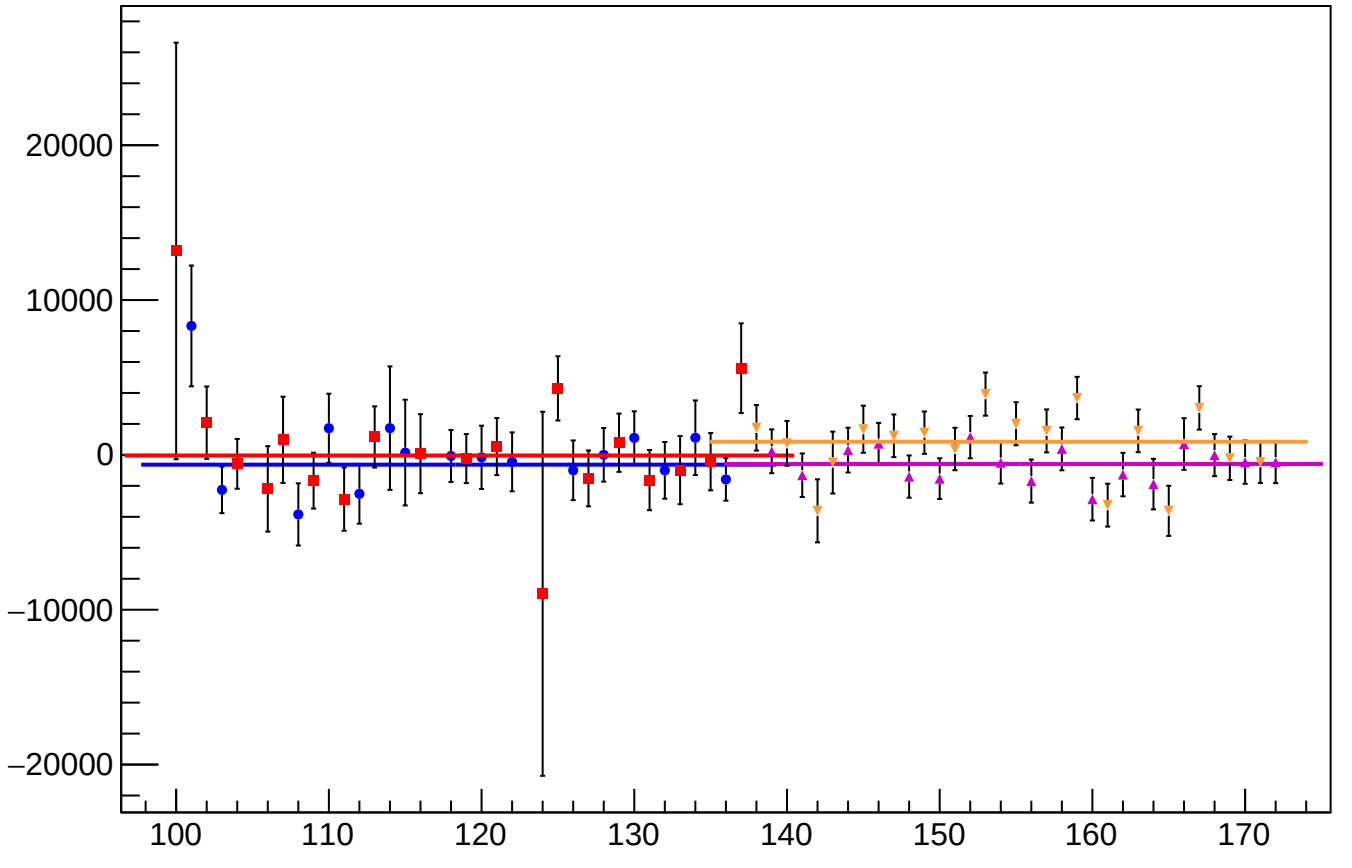
Left: 3766.472+/-0.525 χ^2/NDF: 4445691.7/34

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3856.353+/-0.605 χ^2/NDF:1680492.7/32

Out: 3212.659+/-0.523 χ^2/NDF:4916693.7/36

All: 3487.467+/-0.396 χ^2/NDF: 7245128.5/69


cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected
20000
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140
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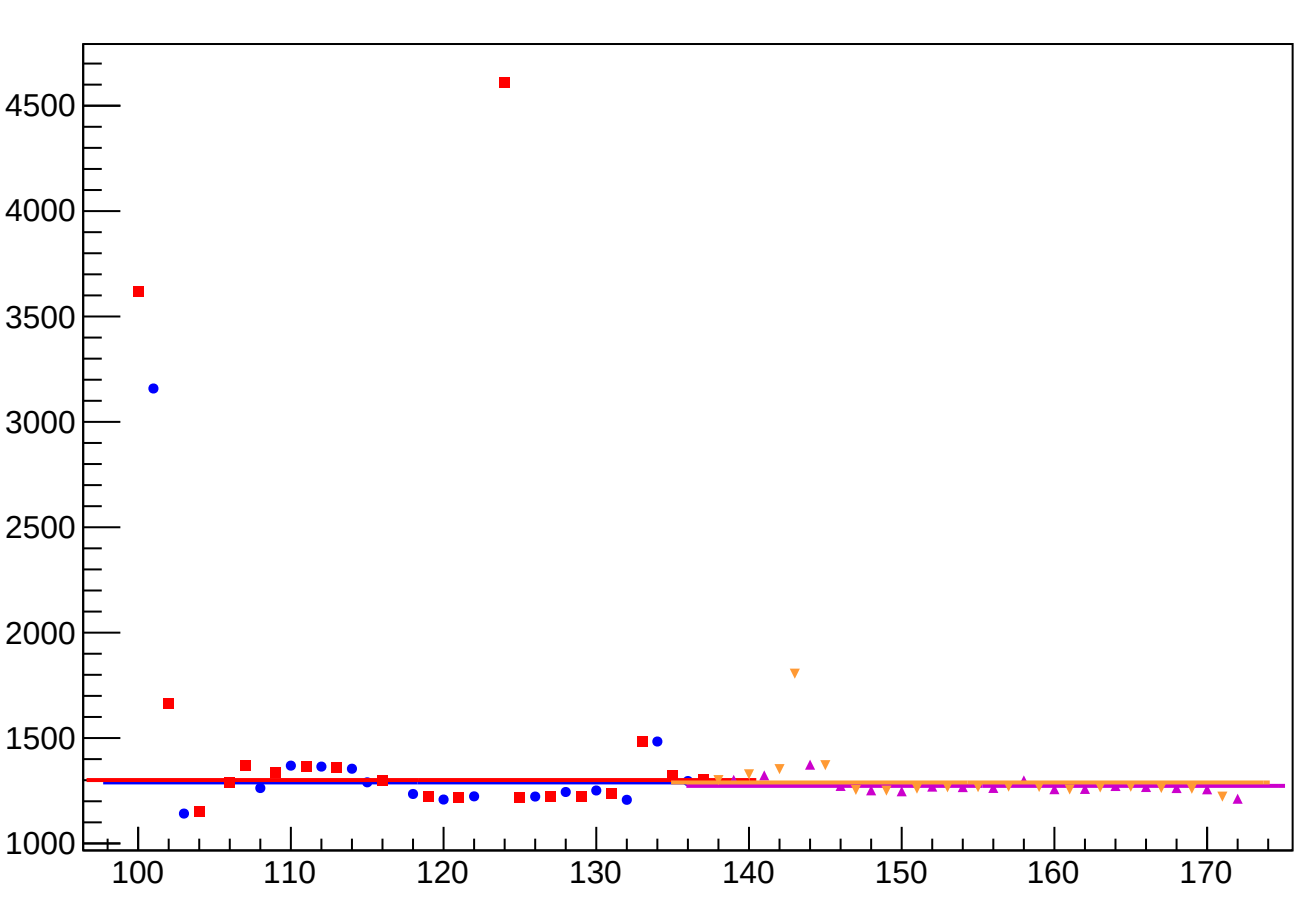
160
170
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 849.616+/-342.350 χ²/NDF:36.9/17
Right Out: -38.623+/-488.084 χ²/NDF: 16.3/18
Left In: -586.987+/-339.943 χ²/NDF:10.0/16
Left: 126.247+/-241.223 χ²/NDF: 55.7/34
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -601.479+/-279.060 χ²/NDF:23.8/32
Out: 556.717+/-280.278 χ²/NDF:55.5/36
All: -24.902+/-197.754 χ²/NDF: 87.9/69



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1289.208+/-0.242 χ^2/NDF:157144.8/17

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1273.082+/-0.240 χ^2/NDF:20041.8/16

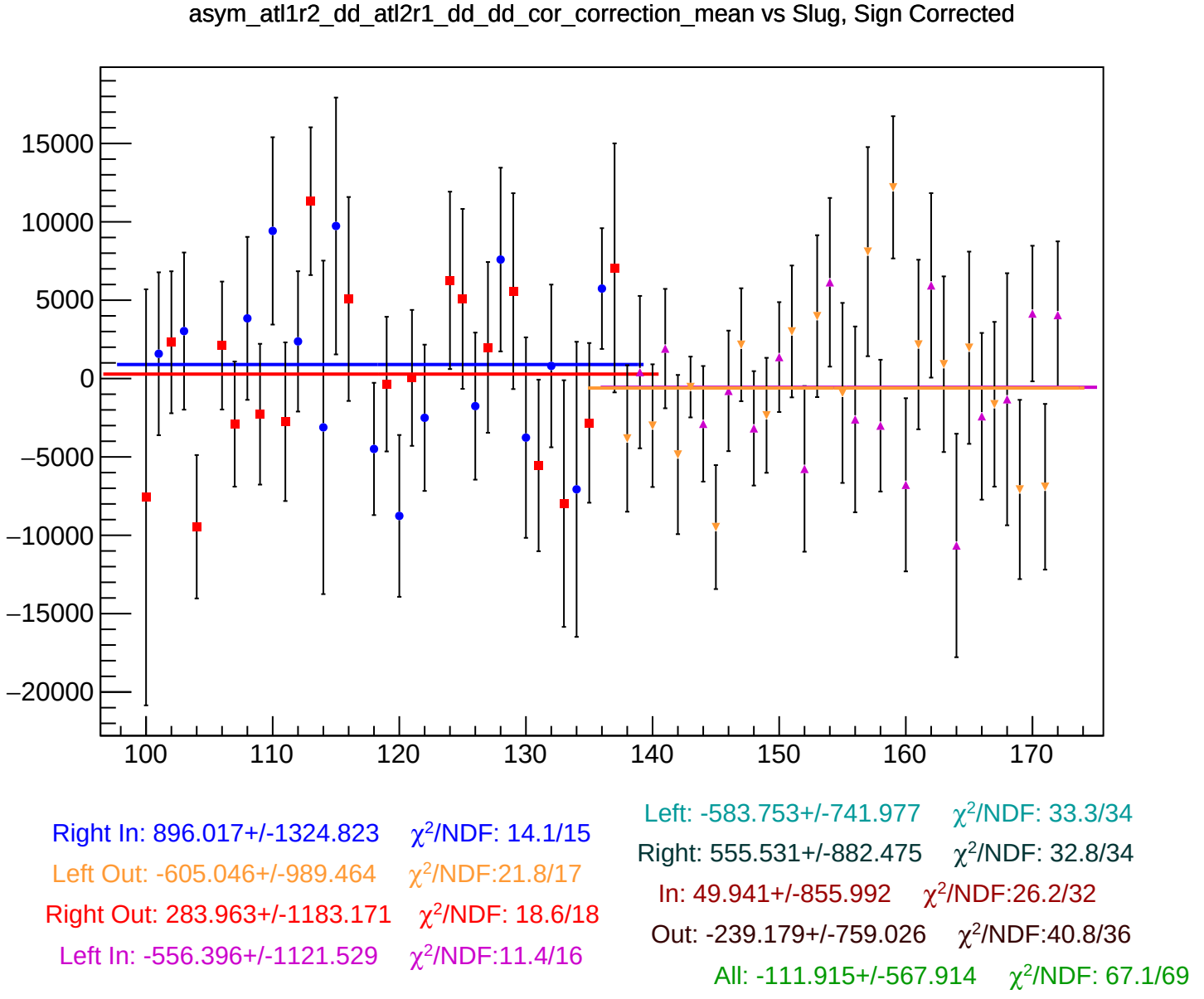
Left: 1281.088+/-0.171 χ^2/NDF: 179420.9/34

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1278.425+/-0.197 χ^2/NDF:536233.3/32

Out: 1293.002+/-0.198 χ^2/NDF:483795.5/36

All: 1285.686+/-0.140 χ^2/NDF: 1022746.9/69


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
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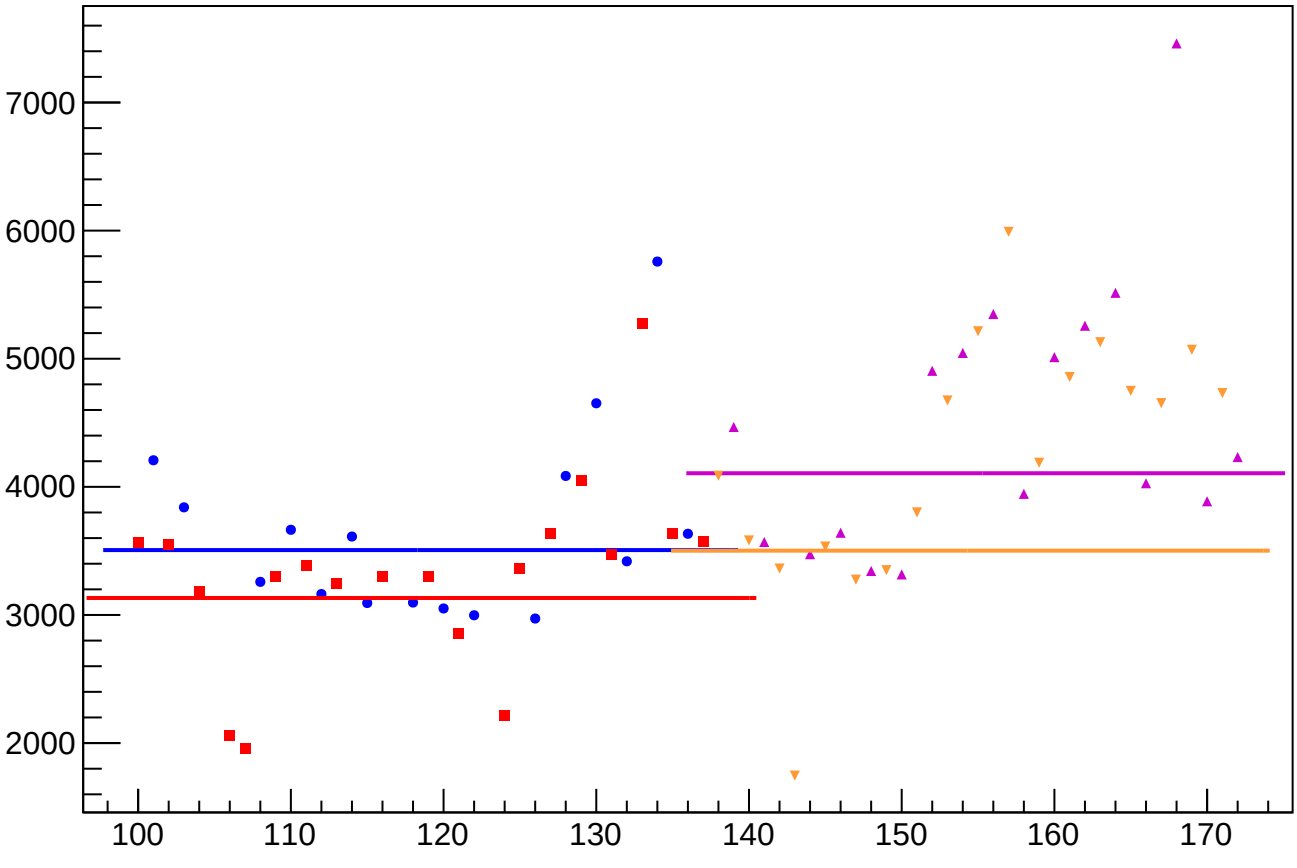
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 896.017+/-1324.823 χ²/NDF: 14.1/15
Left Out: -605.046+/-989.464 χ²/NDF:21.8/17
Right Out: 283.963+/-1183.171 χ²/NDF: 18.6/18
Left In: -556.396+/-1121.529 χ²/NDF:11.4/16
Left: -583.753+/-741.977 χ²/NDF: 33.3/34
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: 49.941+/-855.992 χ²/NDF:26.2/32
Out: -239.179+/-759.026 χ²/NDF:40.8/36
All: -111.915+/-567.914 χ²/NDF: 67.1/69



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3501.985+/-0.700 χ^2/NDF:3030703.1/17

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4106.254+/-0.793 χ^2/NDF:1088550.0/16

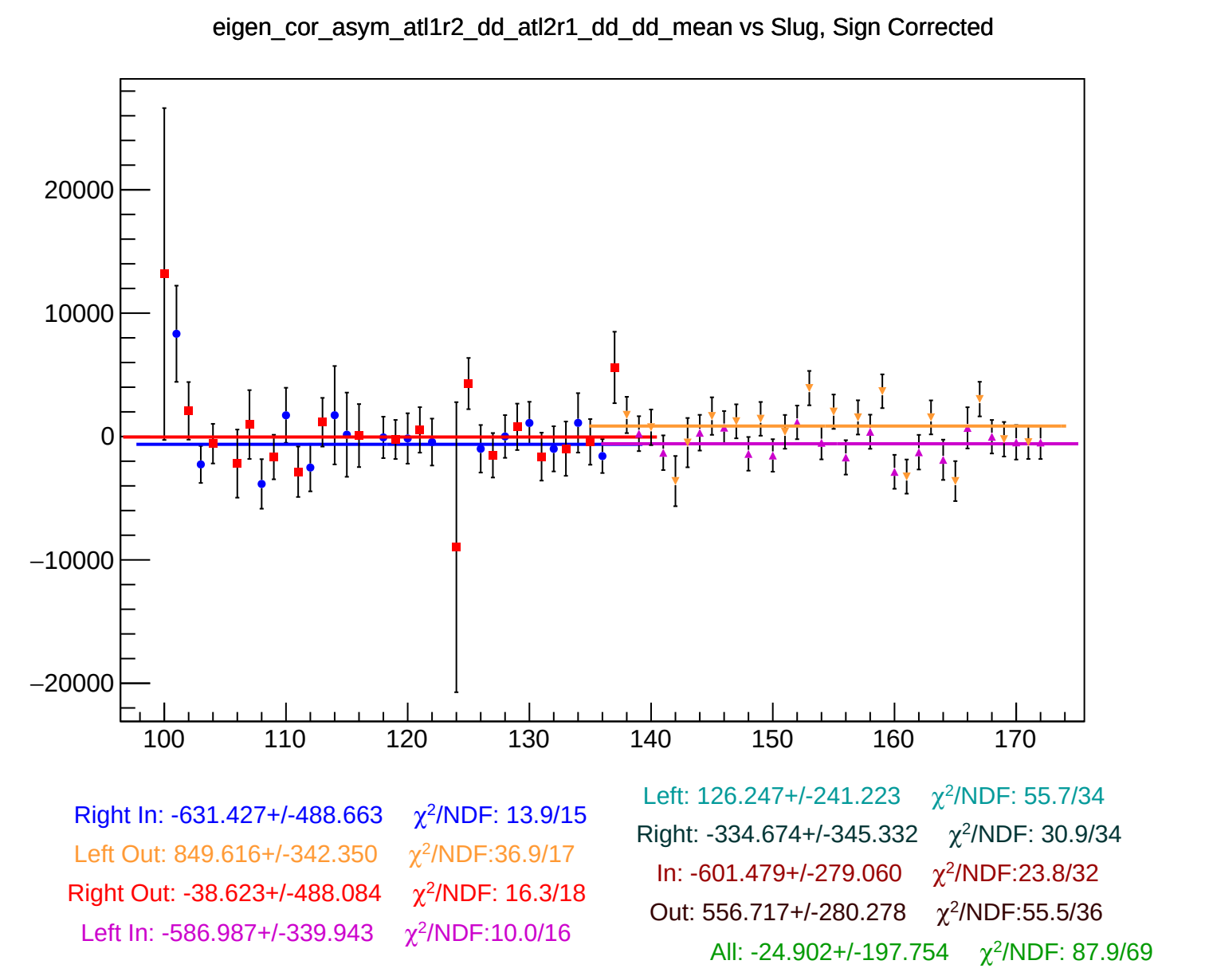
Left: 3766.464+/-0.525 χ^2/NDF: 4445729.4/34

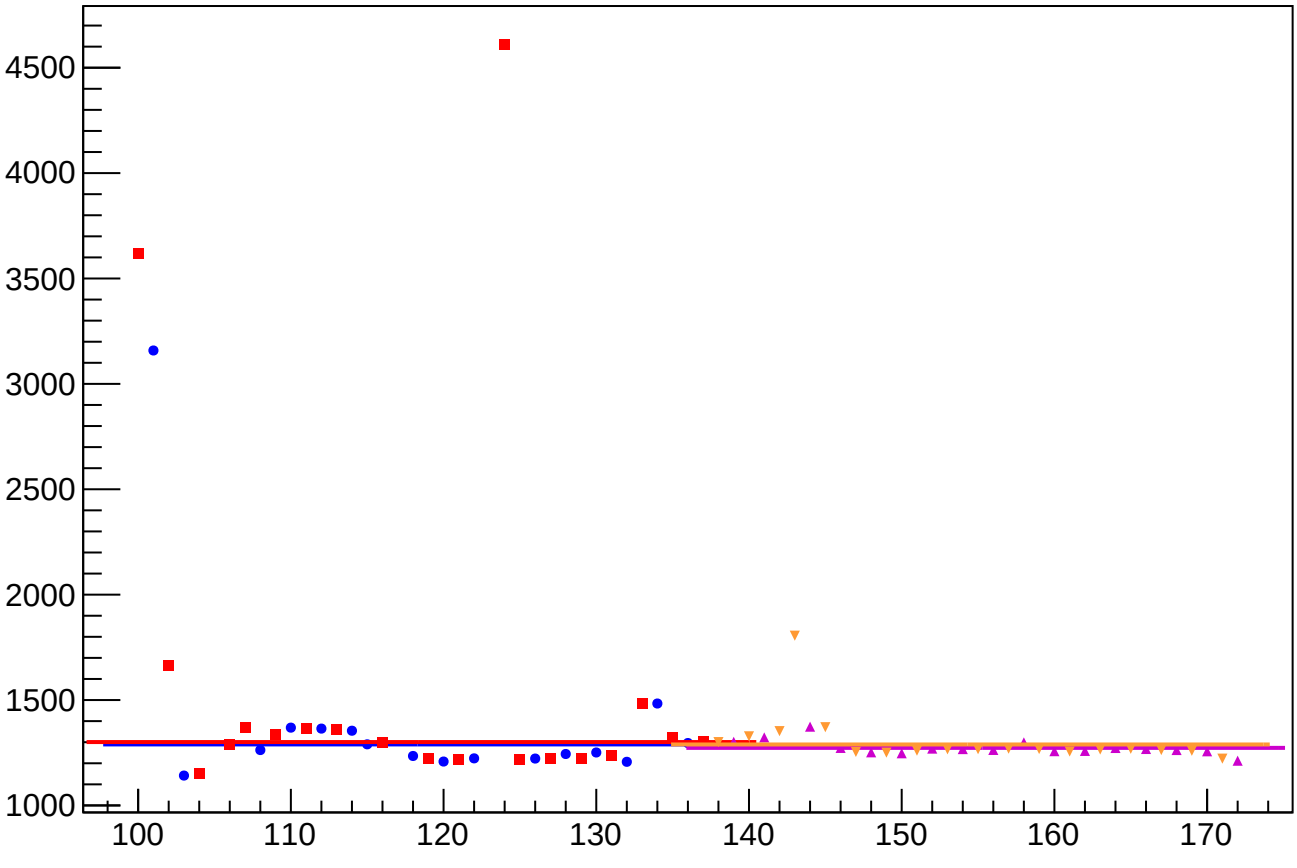
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3855.869+/-0.605 χ^2/NDF:1680570.6/32

Out: 3349.960+/-0.537 χ^2/NDF:3795033.7/36

All: 3572.649+/-0.402 χ^2/NDF: 5866702.8/69


eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 849.616+/-342.350 χ²/NDF:36.9/17
Right Out: -38.623+/-488.084 χ²/NDF: 16.3/18
Left In: -586.987+/-339.943 χ²/NDF:10.0/16
Left: 126.247+/-241.223 χ²/NDF: 55.7/34
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -601.479+/-279.060 χ²/NDF:23.8/32
Out: 556.717+/-280.278 χ²/NDF:55.5/36
All: -24.902+/-197.754 χ²/NDF: 87.9/69



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1289.208+/-0.242 χ^2/NDF:157144.8/17

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: 1281.088+/-0.171 χ^2/NDF: 179420.9/34

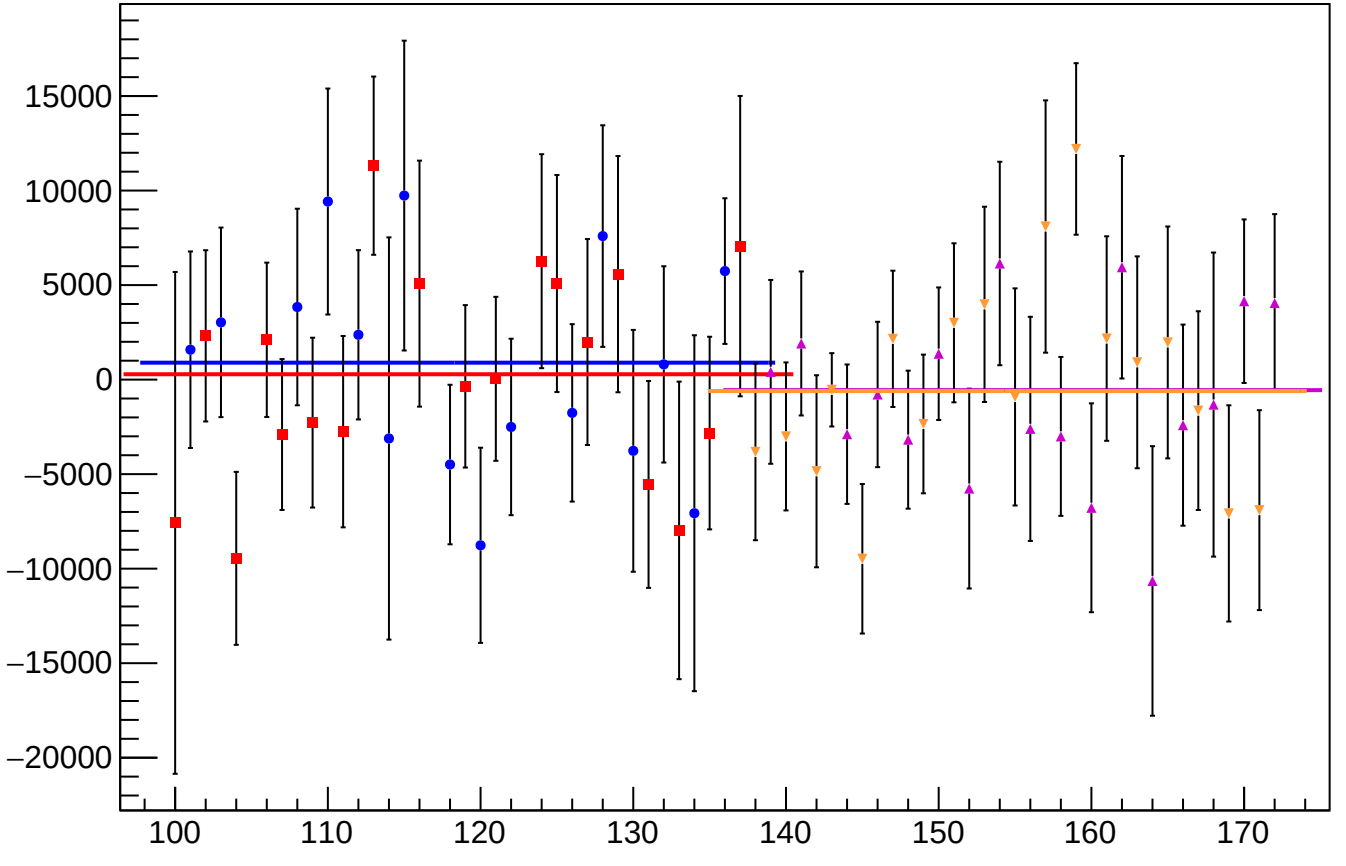
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1278.425+/-0.197 χ^2/NDF:536233.3/32

Out: 1293.002+/-0.198 χ^2/NDF:483795.5/36

All: 1285.686+/-0.140 χ^2/NDF: 1022746.9/69

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: -605.046+/-989.464 χ^2/NDF:21.8/17

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: -583.753+/-741.977 χ^2/NDF: 33.3/34

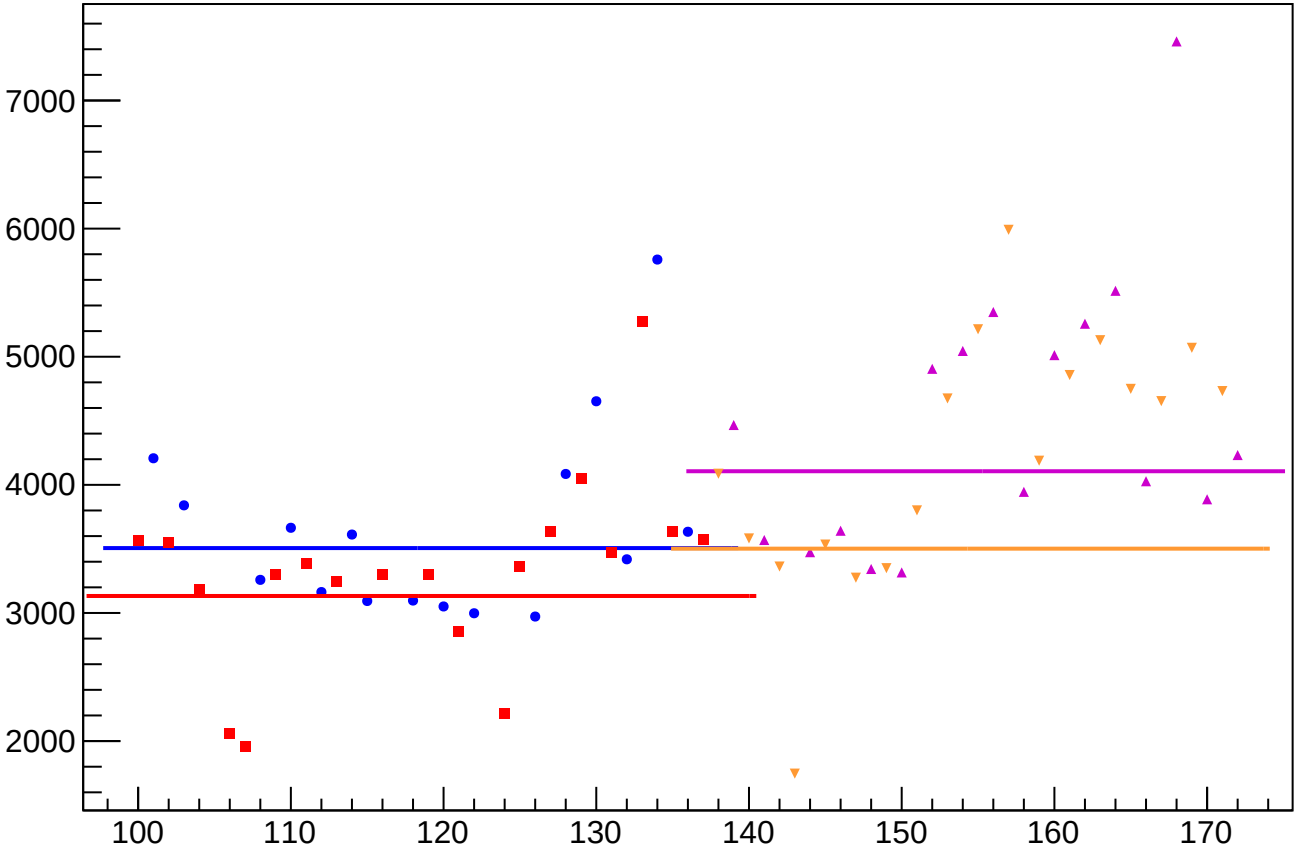
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 49.941+/-855.992 χ^2/NDF:26.2/32

Out: -239.179+/-759.026 χ^2/NDF:40.8/36

All: -111.915+/-567.914 χ^2/NDF: 67.1/69

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: 3501.985+/-0.700 χ^2/NDF:3030703.1/17

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: 3766.464+/-0.525 χ^2/NDF: 4445729.4/34

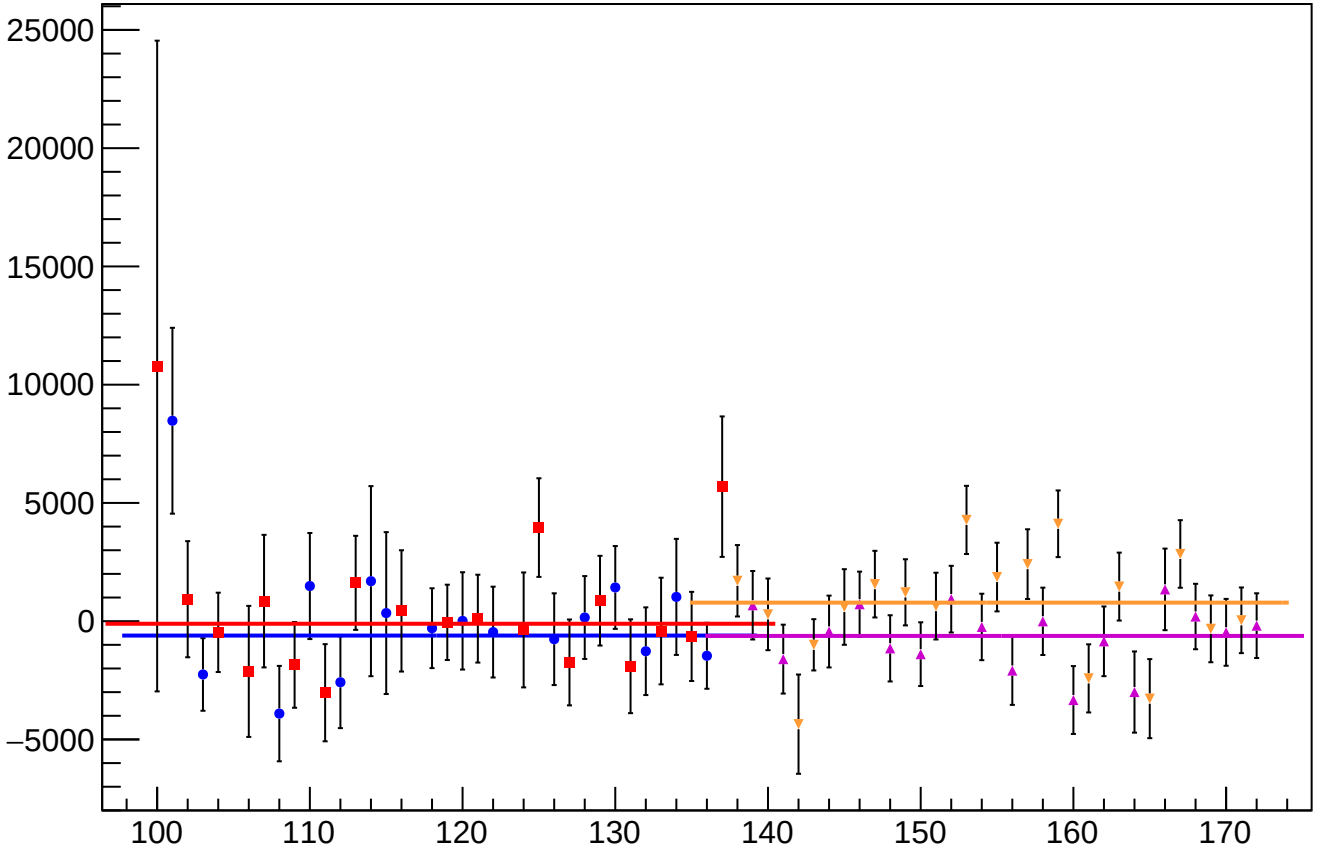
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3855.869+/-0.605 χ^2/NDF:1680570.6/32

Out: 3349.960+/-0.537 χ^2/NDF:3795033.7/36

All: 3572.649+/-0.402 χ^2/NDF: 5866702.8/69

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 784.292+/-340.701 χ^2/NDF:36.9/17

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -623.077+/-350.788 χ^2/NDF:12.5/16

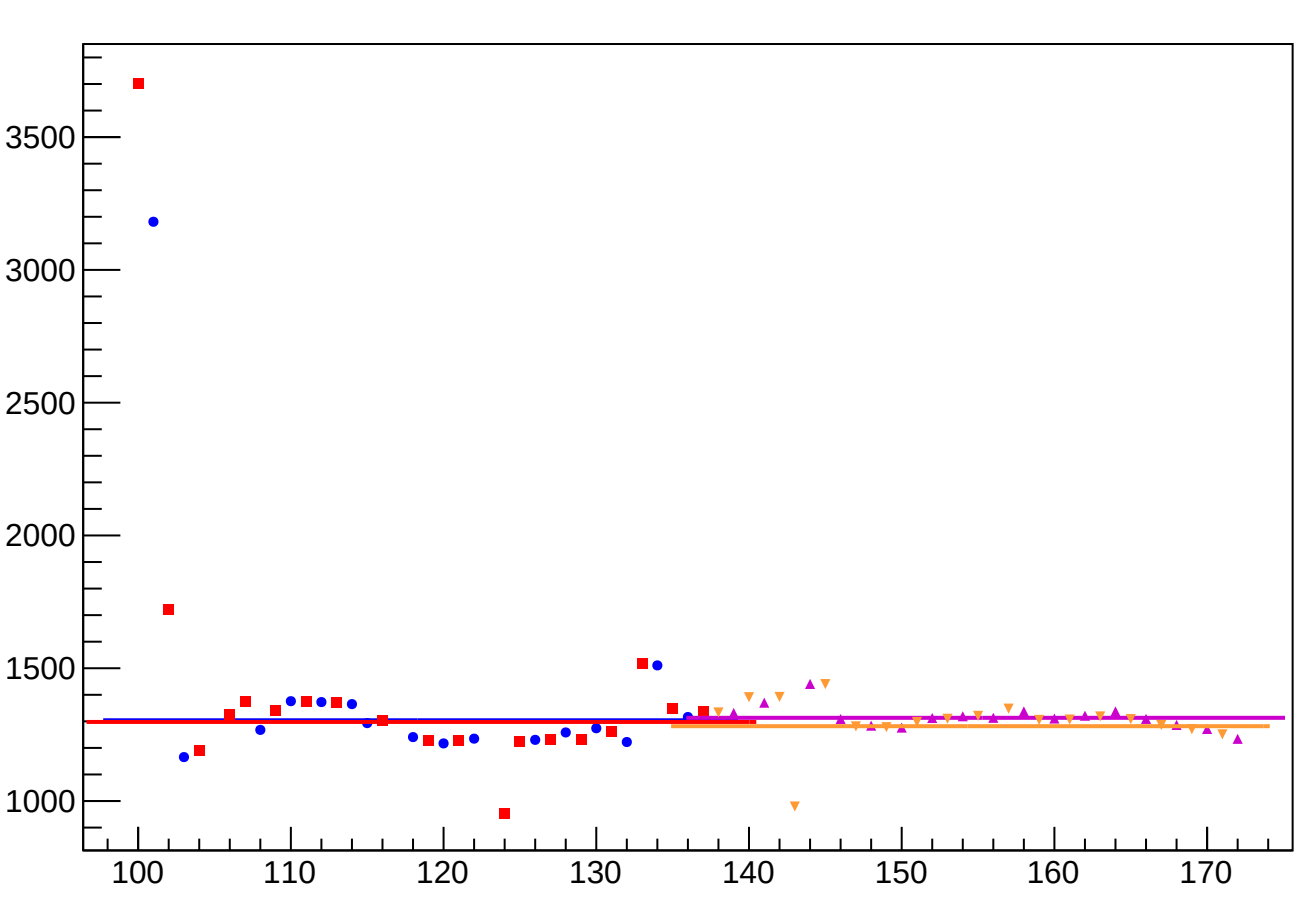
Left: 101.133+/-244.400 χ^2/NDF: 57.6/34

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -617.969+/-286.049 χ^2/NDF:26.6/32

Out: 489.708+/-278.893 χ^2/NDF:54.1/36

All: -50.103+/-199.689 χ^2/NDF: 88.3/69



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1281.781+/-0.241 χ^2/NDF:204276.8/17

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: 1297.107+/-0.173 χ^2/NDF: 242776.4/34

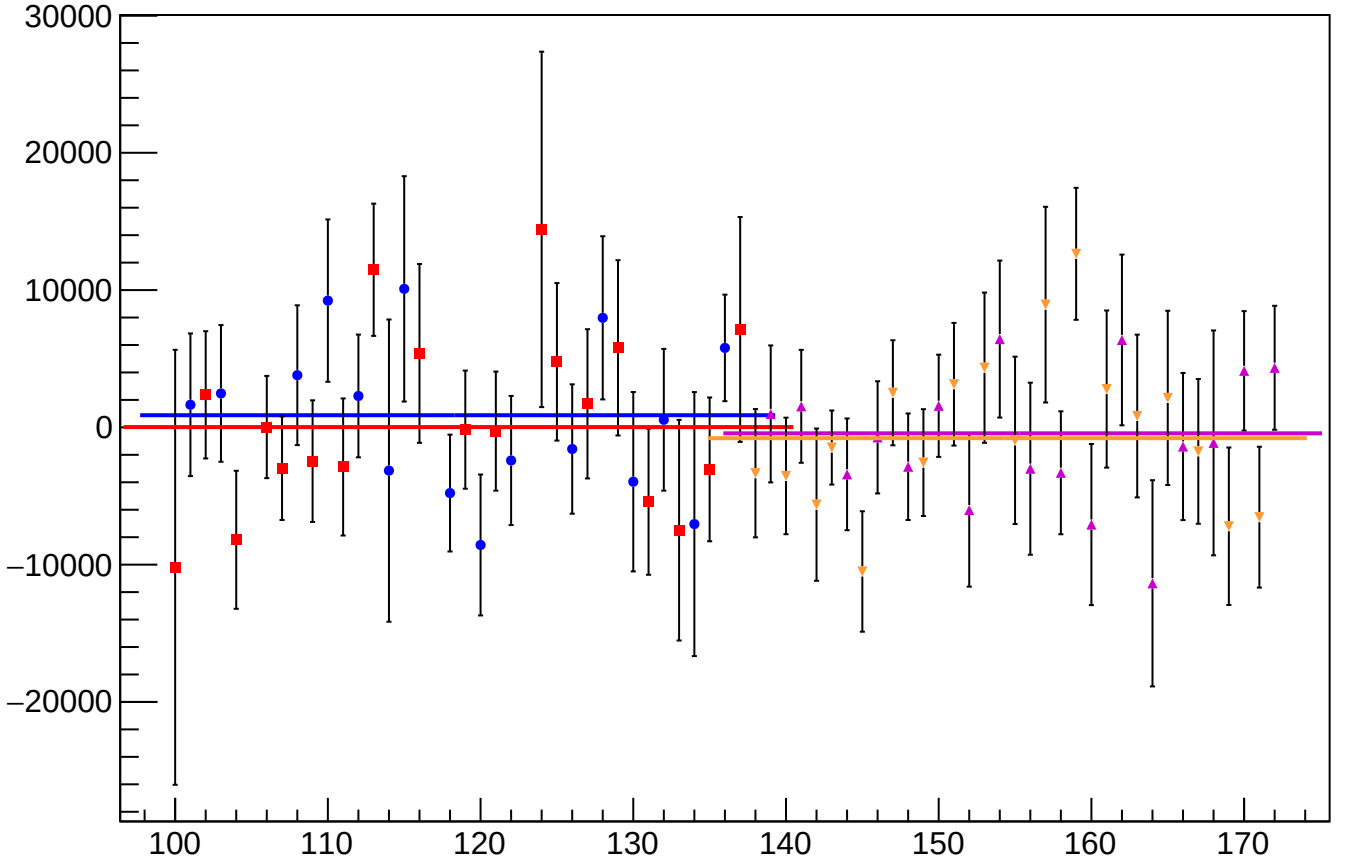
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1310.253+/-0.202 χ^2/NDF:541218.6/32

Out: 1287.070+/-0.197 χ^2/NDF:418833.0/36

All: 1298.365+/-0.141 χ^2/NDF: 966788.1/69

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -787.990+/-1104.859 χ^2/NDF:21.9/17

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -434.012+/-1178.168 χ^2/NDF:11.4/16

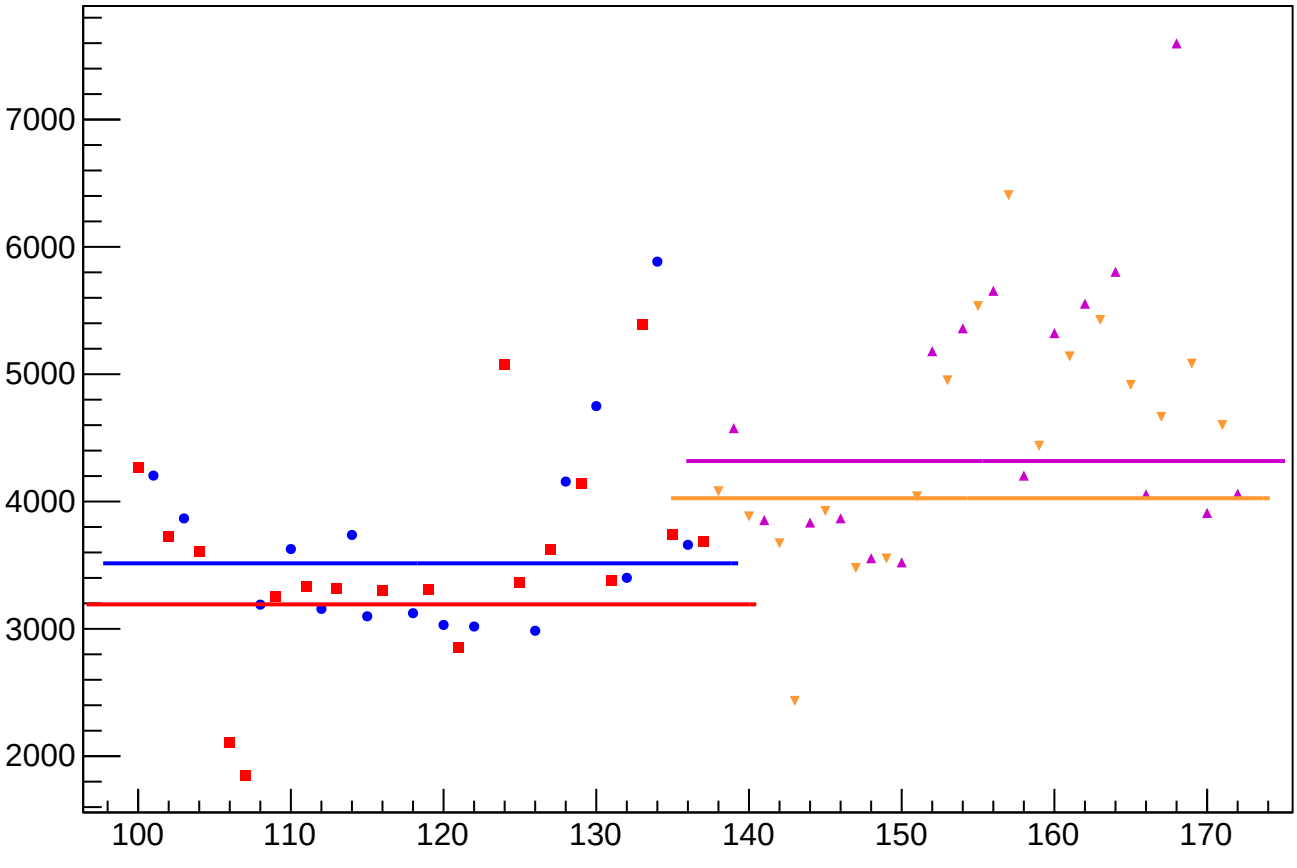
Left: -622.355+/-805.924 χ^2/NDF: 33.4/34

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 146.797+/-881.148 χ^2/NDF:26.1/32

Out: -416.983+/-812.815 χ^2/NDF:39.0/36

All: -157.799+/-597.446 χ^2/NDF: 65.3/69



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4025.912+/-0.781 χ^2/NDF:1545161.3/17

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4318.026+/-0.833 χ^2/NDF:1024028.2/16

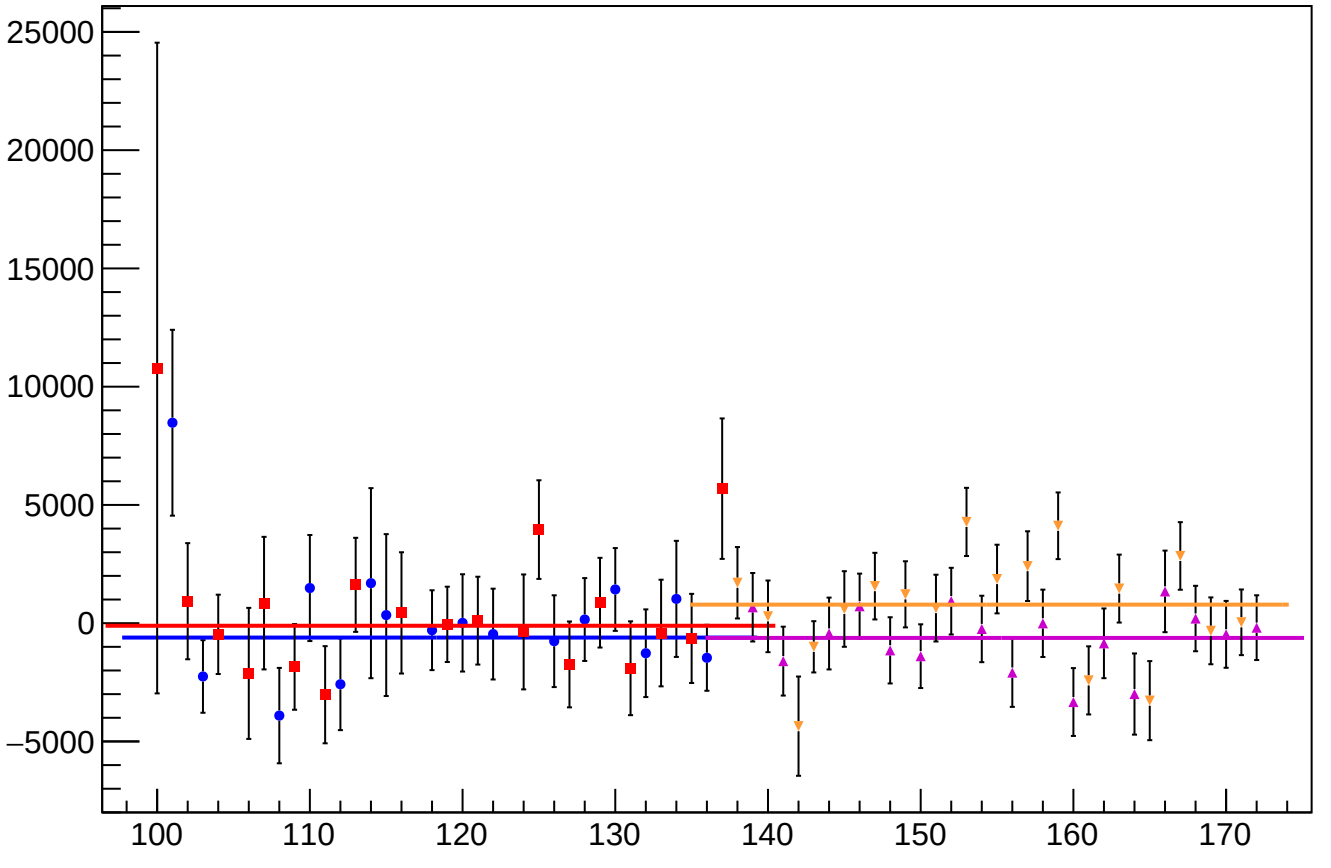
Left: 4162.599+/-0.570 χ^2/NDF: 2634607.0/34

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3964.060+/-0.623 χ^2/NDF:1808786.4/32

Out: 3643.419+/-0.575 χ^2/NDF:2840119.1/36

All: 3790.826+/-0.422 χ^2/NDF: 4791987.5/69



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 784.295+/-340.701 χ^2/NDF:36.9/17

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -623.078+/-350.788 χ^2/NDF:12.5/16

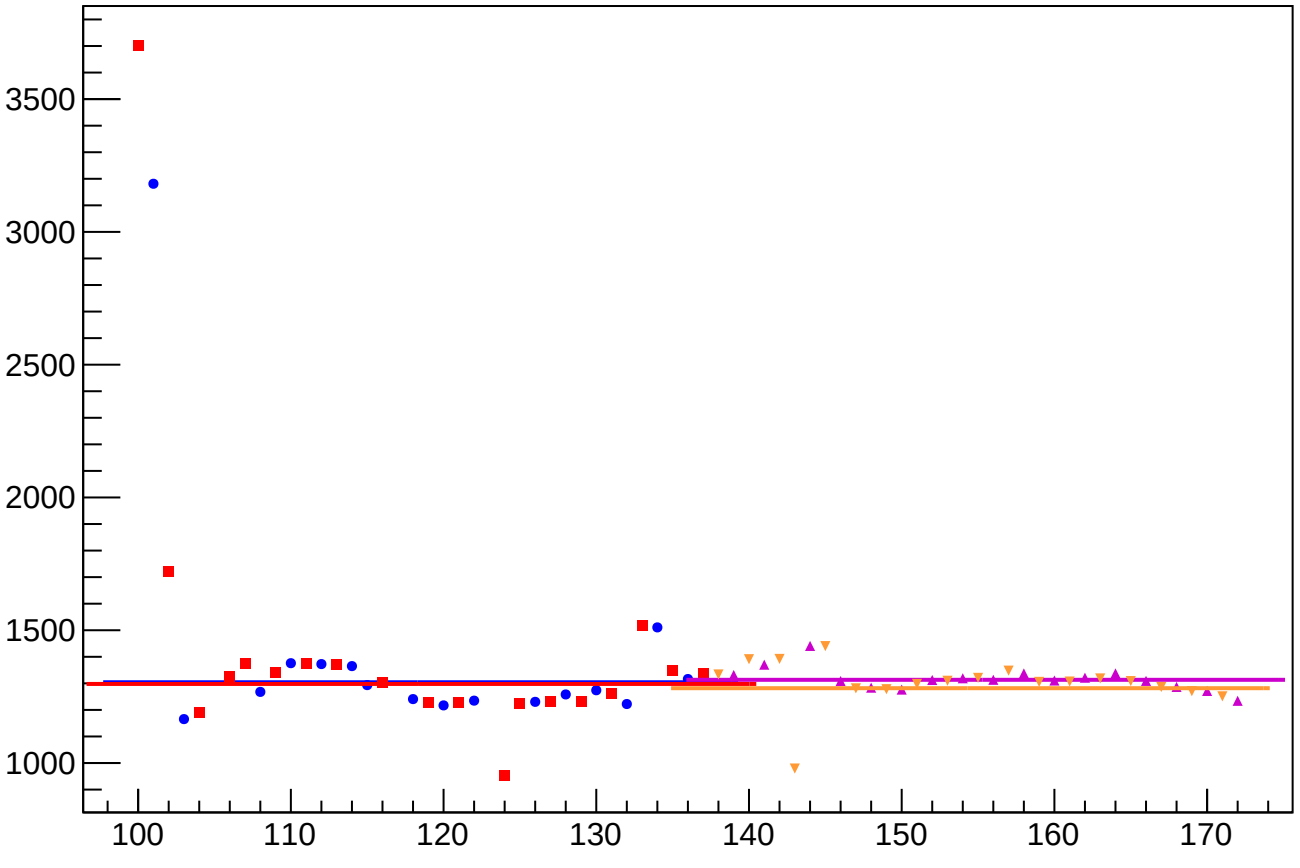
Left: 101.134+/-244.400 χ^2/NDF: 57.6/34

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -617.970+/-286.049 χ^2/NDF:26.6/32

Out: 489.708+/-278.893 χ^2/NDF:54.1/36

All: -50.104+/-199.689 χ^2/NDF: 88.3/69



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1281.782+/-0.241 χ^2/NDF:204277.7/17

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: 1297.108+/-0.173 χ^2/NDF: 242778.1/34

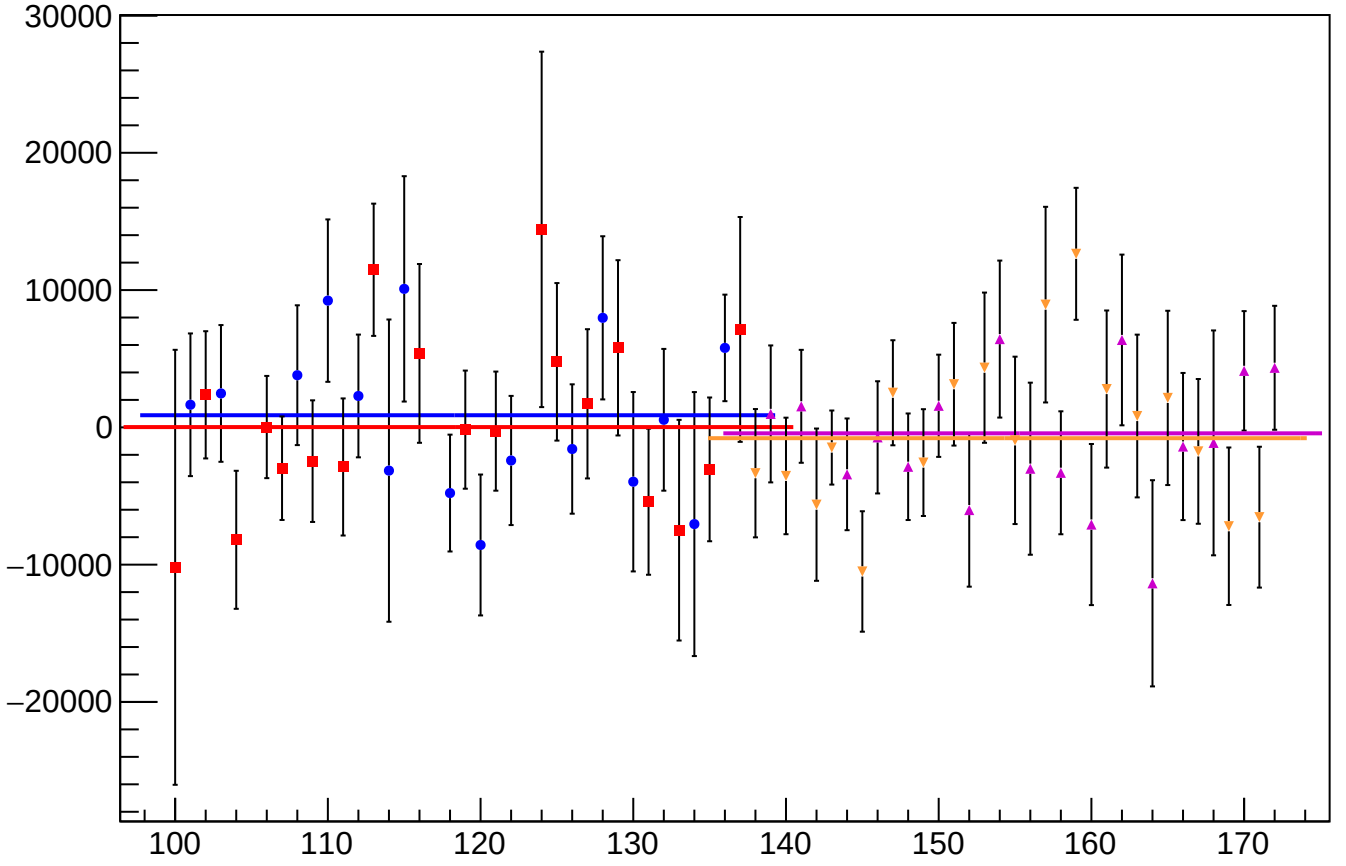
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1310.254+/-0.202 χ^2/NDF:541219.6/32

Out: 1287.071+/-0.197 χ^2/NDF:418833.8/36

All: 1298.366+/-0.141 χ^2/NDF: 966789.9/69

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: -787.988+/-1104.861 χ^2/NDF:21.9/17

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -434.011+/-1178.170 χ^2/NDF:11.4/16

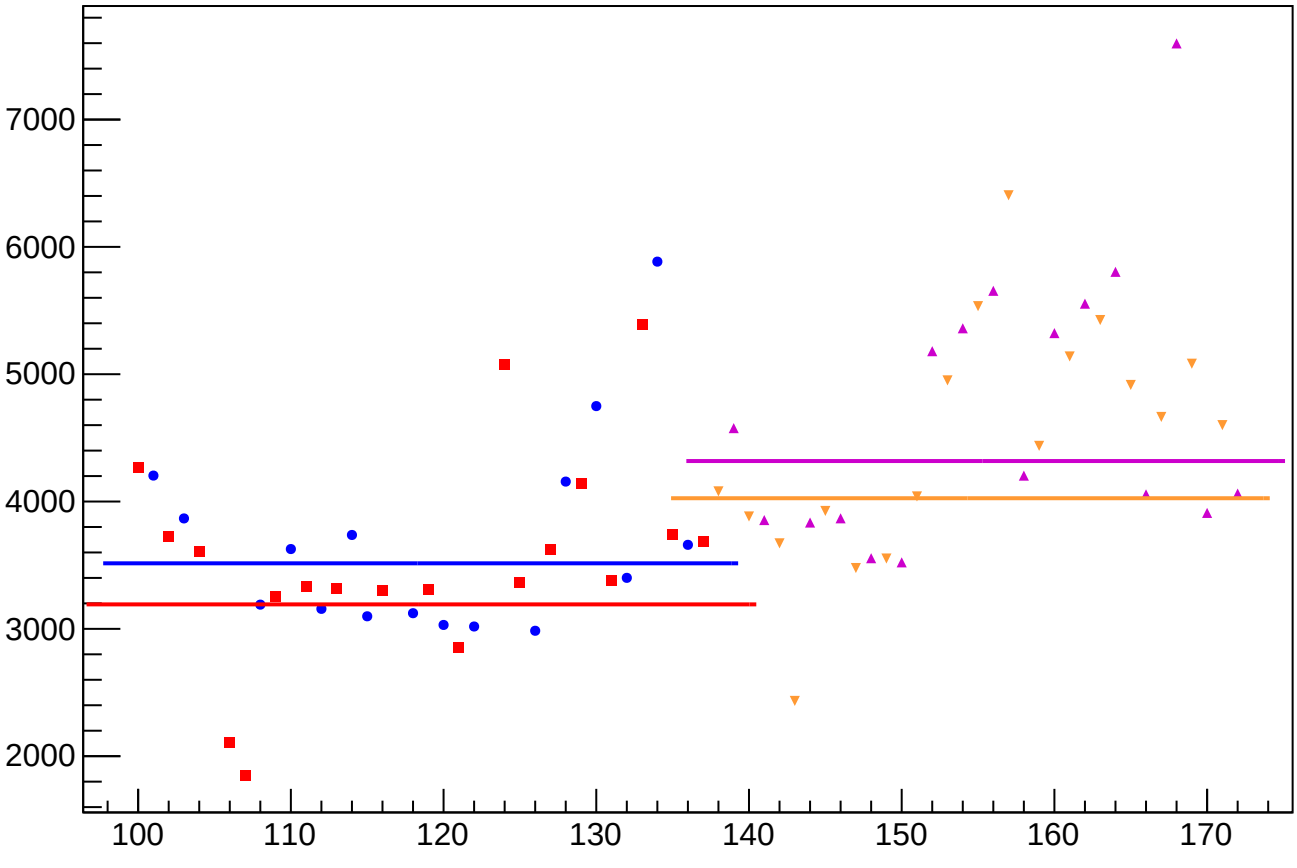
Left: -622.354+/-805.926 χ^2/NDF: 33.4/34

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 146.795+/-881.148 χ^2/NDF:26.1/32

Out: -416.982+/-812.814 χ^2/NDF:39.0/36

All: -157.799+/-597.446 χ^2/NDF: 65.3/69



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4025.918+/-0.781 χ^2/NDF:1545162.6/17

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4318.032+/-0.833 χ^2/NDF:1024030.4/16

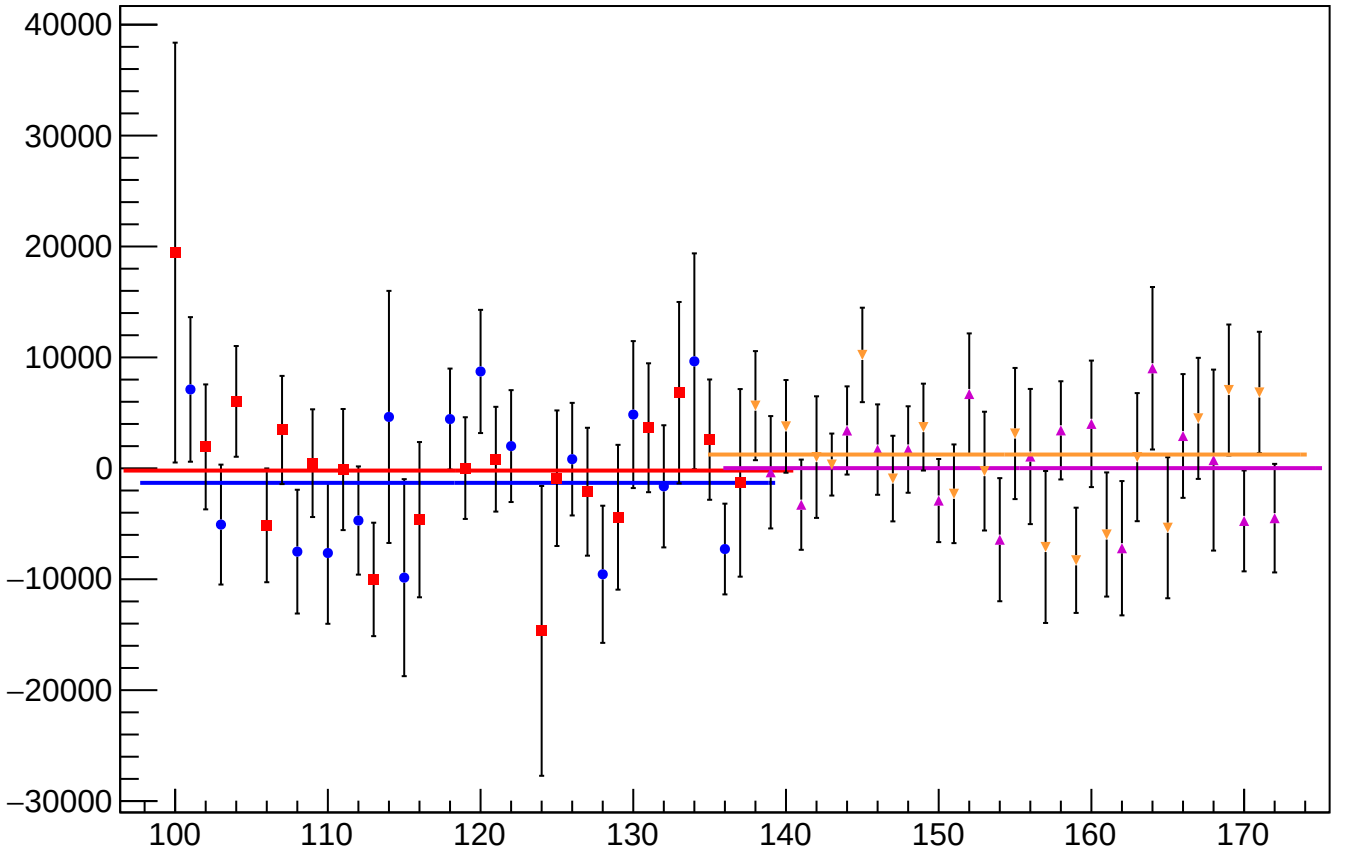
Left: 4162.605+/-0.570 χ^2/NDF: 2634610.4/34

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3964.058+/-0.623 χ^2/NDF:1808808.8/32

Out: 3643.417+/-0.575 χ^2/NDF:2840140.4/36

All: 3790.824+/-0.422 χ^2/NDF: 4792031.2/69



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1243.815+/-1111.506 χ^2/NDF:17.9/17

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 16.762+/-1180.340 χ^2/NDF:11.5/16

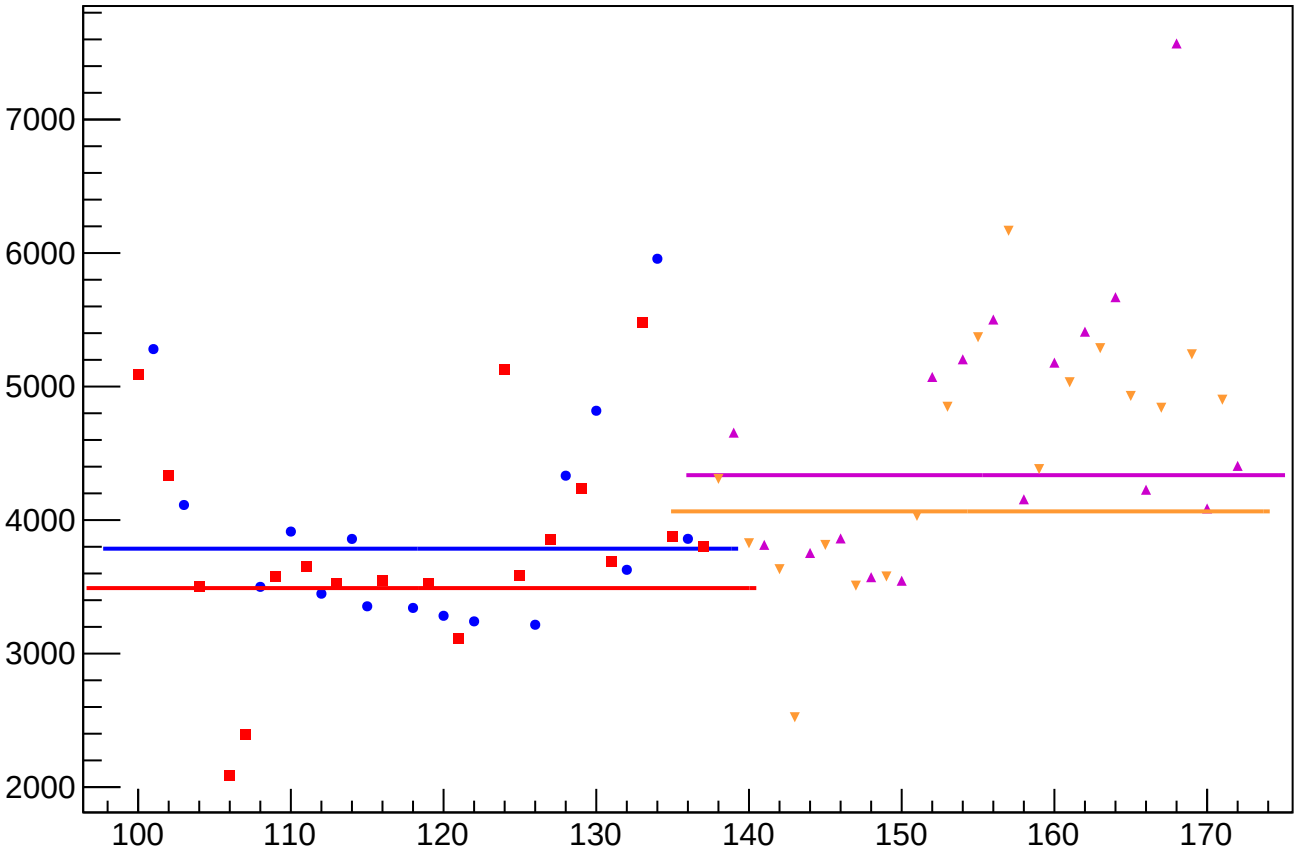
Left: 667.109+/-809.194 χ^2/NDF: 29.9/34

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -519.885+/-910.717 χ^2/NDF:29.6/32

Out: 652.615+/-854.473 χ^2/NDF:30.2/36

All: 103.686+/-623.139 χ^2/NDF: 60.7/69



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4065.155+/-0.786 χ^2/NDF:1402446.4/17

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: 4192.593+/-0.572 χ^2/NDF: 2391075.8/34

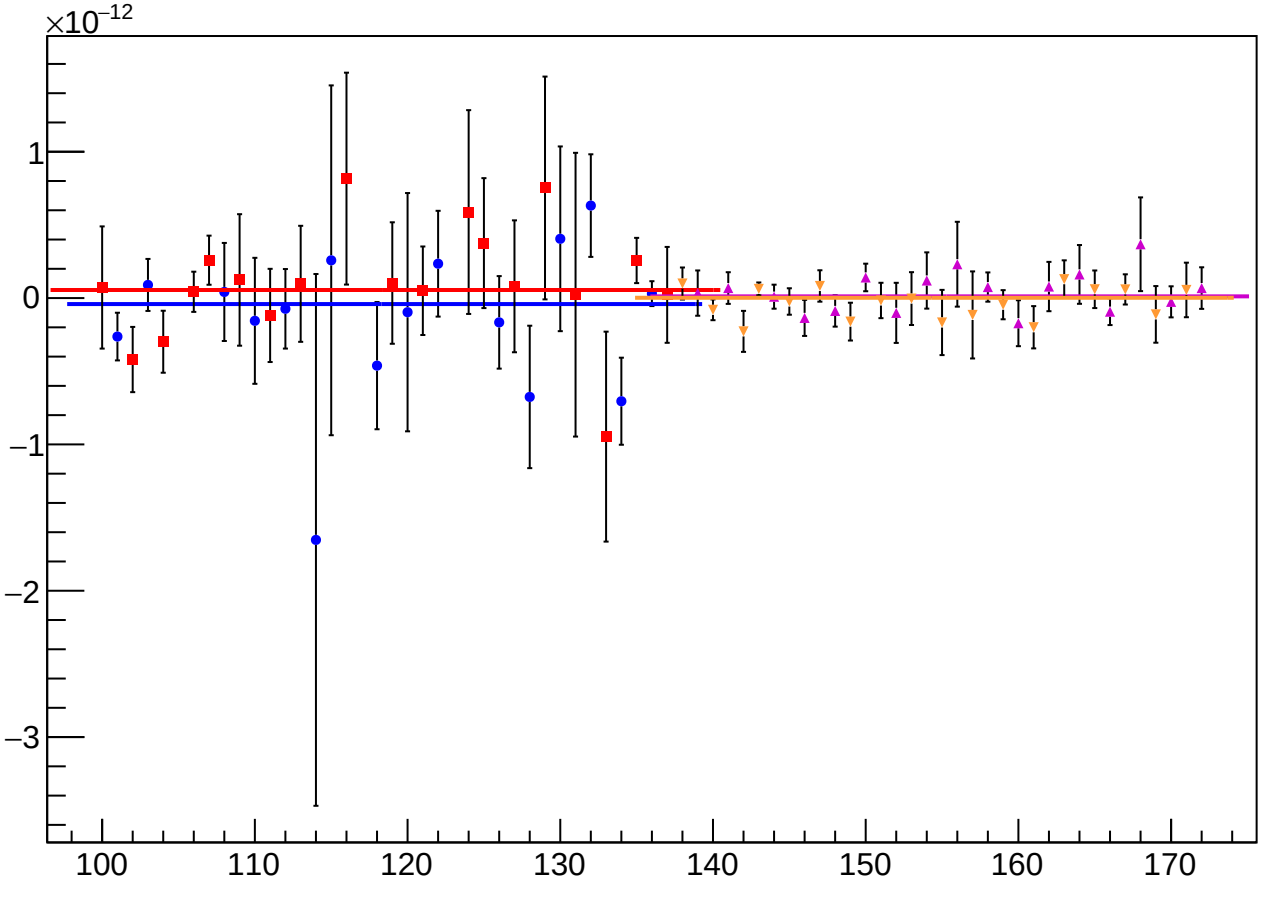
Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4113.515+/-0.644 χ^2/NDF:1491756.0/32

Out: 3826.335+/-0.601 χ^2/NDF:2211287.7/36

All: 3959.975+/-0.439 χ^2/NDF: 3809370.1/69

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:11.0/16

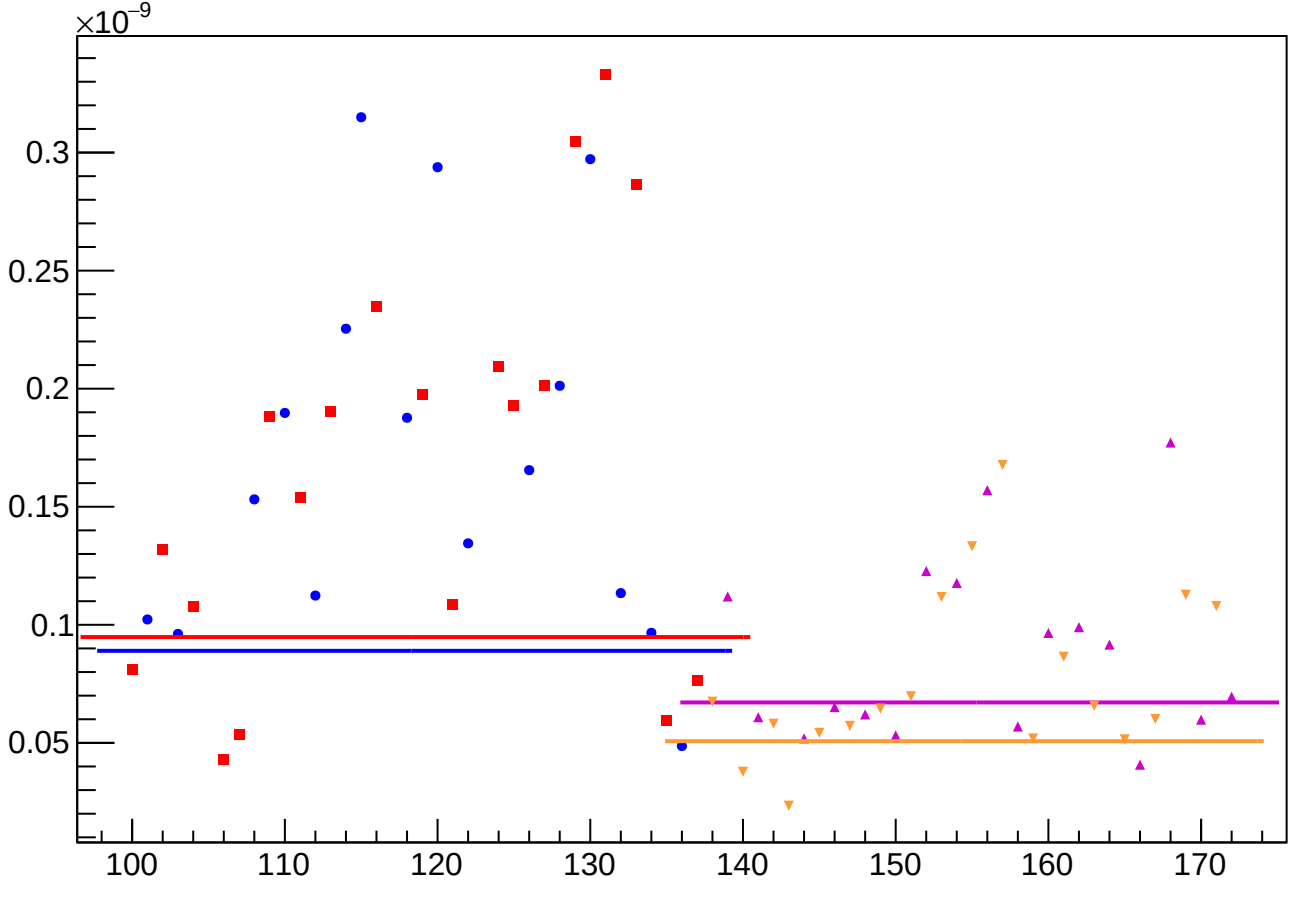
Left: 0.000+/-0.000 χ^2/NDF: 24.8/34

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:30.3/36

All: 0.000+/-0.000 χ^2/NDF: 58.6/69



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2349026.0/17

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: 4075850.0/34

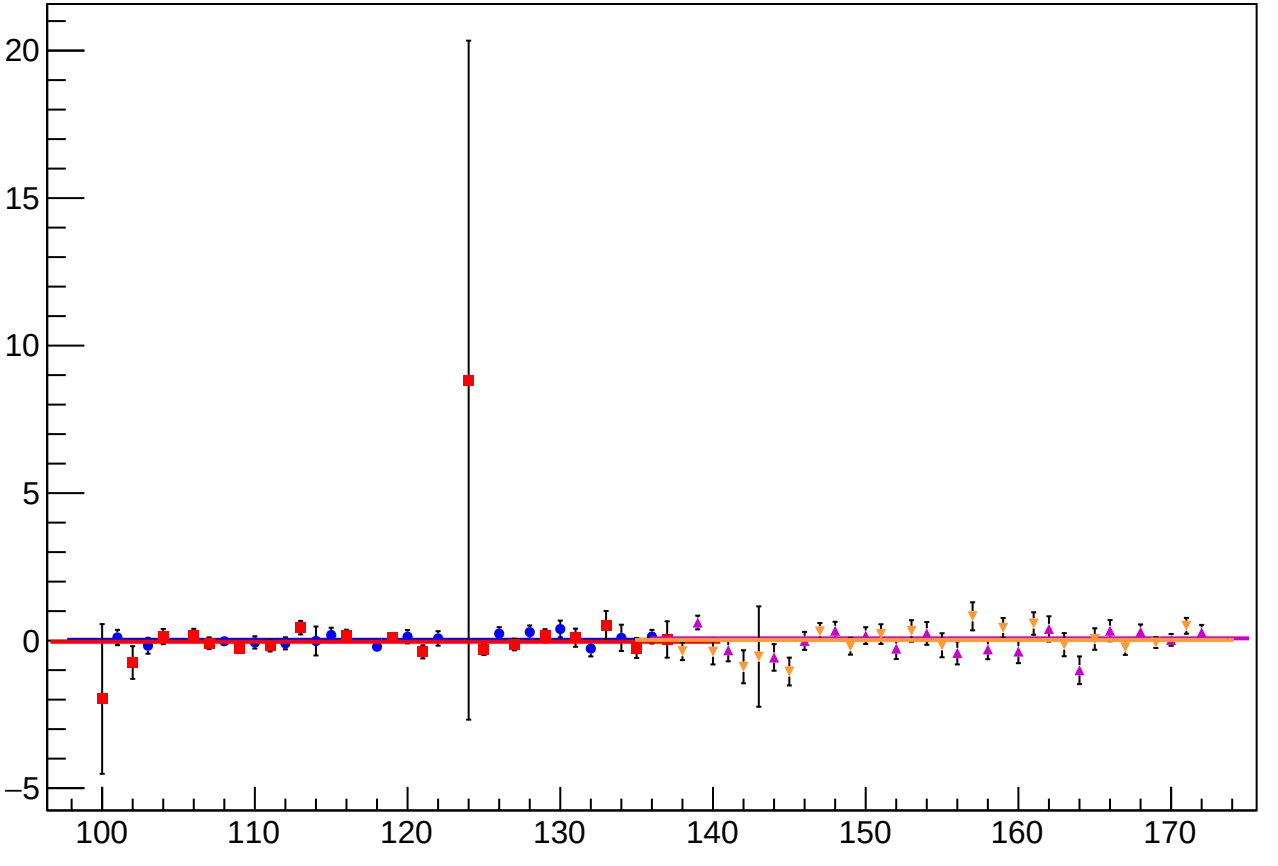
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3052520.8/32

Out: 0.000+/-0.000 χ^2/NDF:4912872.7/36

All: 0.000+/-0.000 χ^2/NDF: 8342582.9/69

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: 0.023+/-0.078 χ^2/NDF:24.2/17

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: 0.051+/-0.054 χ^2/NDF: 47.0/34

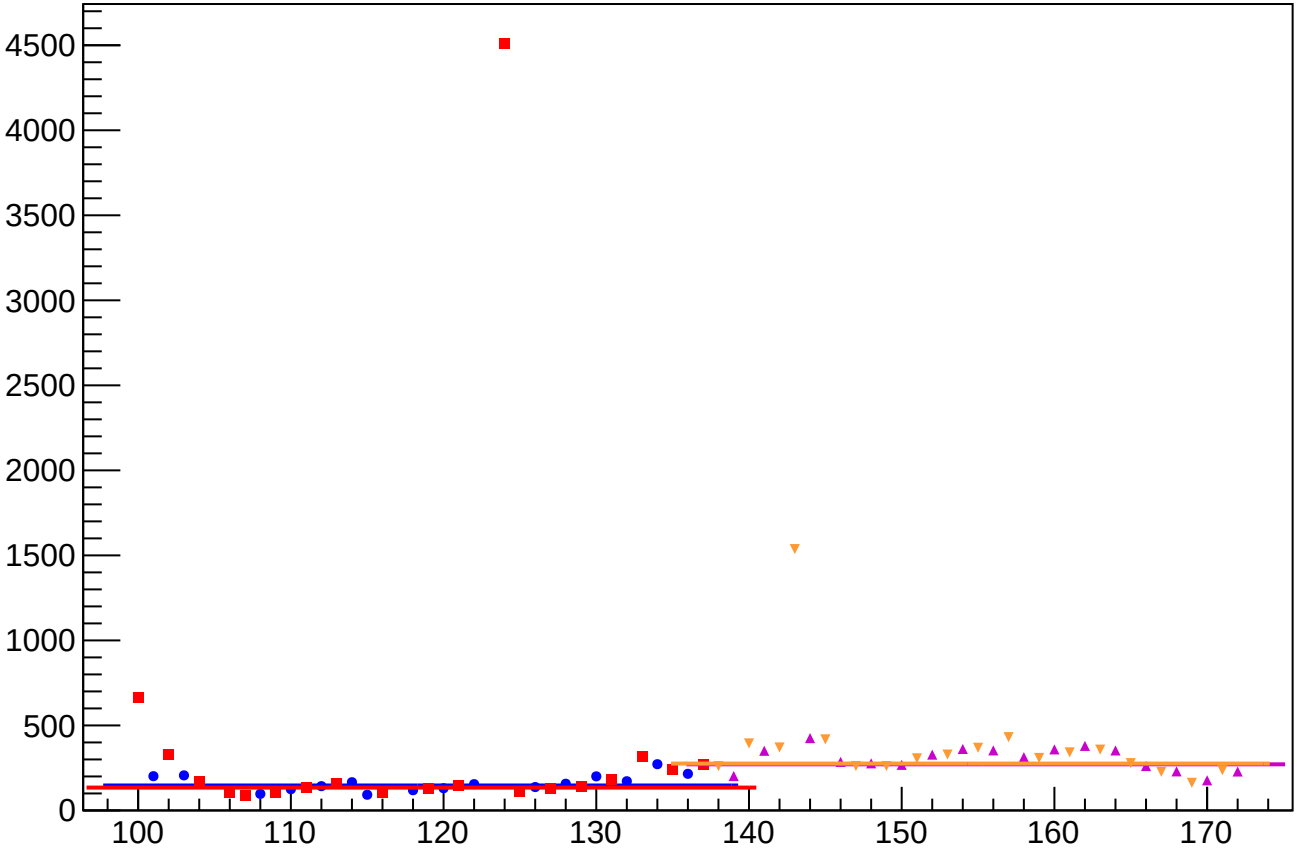
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.046+/-0.046 χ^2/NDF:32.3/32

Out: -0.019+/-0.045 χ^2/NDF:44.6/36

All: 0.013+/-0.032 χ^2/NDF: 77.9/69

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: 275.807+/-0.055 χ^2/NDF:2935721.4/17

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: 273.465+/-0.038 χ^2/NDF: 4566554.1/34

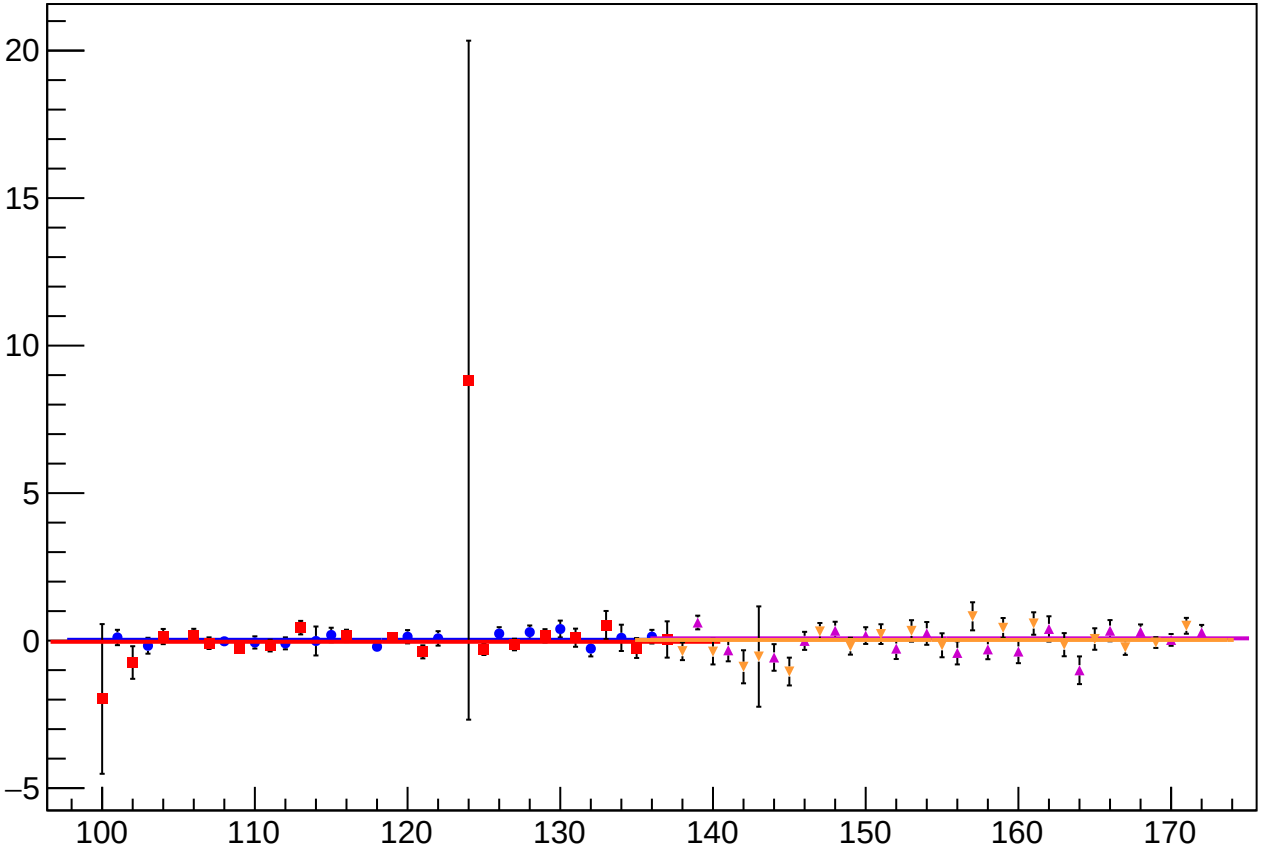
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 192.656+/-0.032 χ^2/NDF:6051336.4/32

Out: 181.238+/-0.032 χ^2/NDF:8943415.2/36

All: 186.815+/-0.023 χ^2/NDF: 15058163.4/69

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: 0.023+/-0.078 χ^2/NDF:24.2/17

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: 0.051+/-0.054 χ^2/NDF: 47.0/34

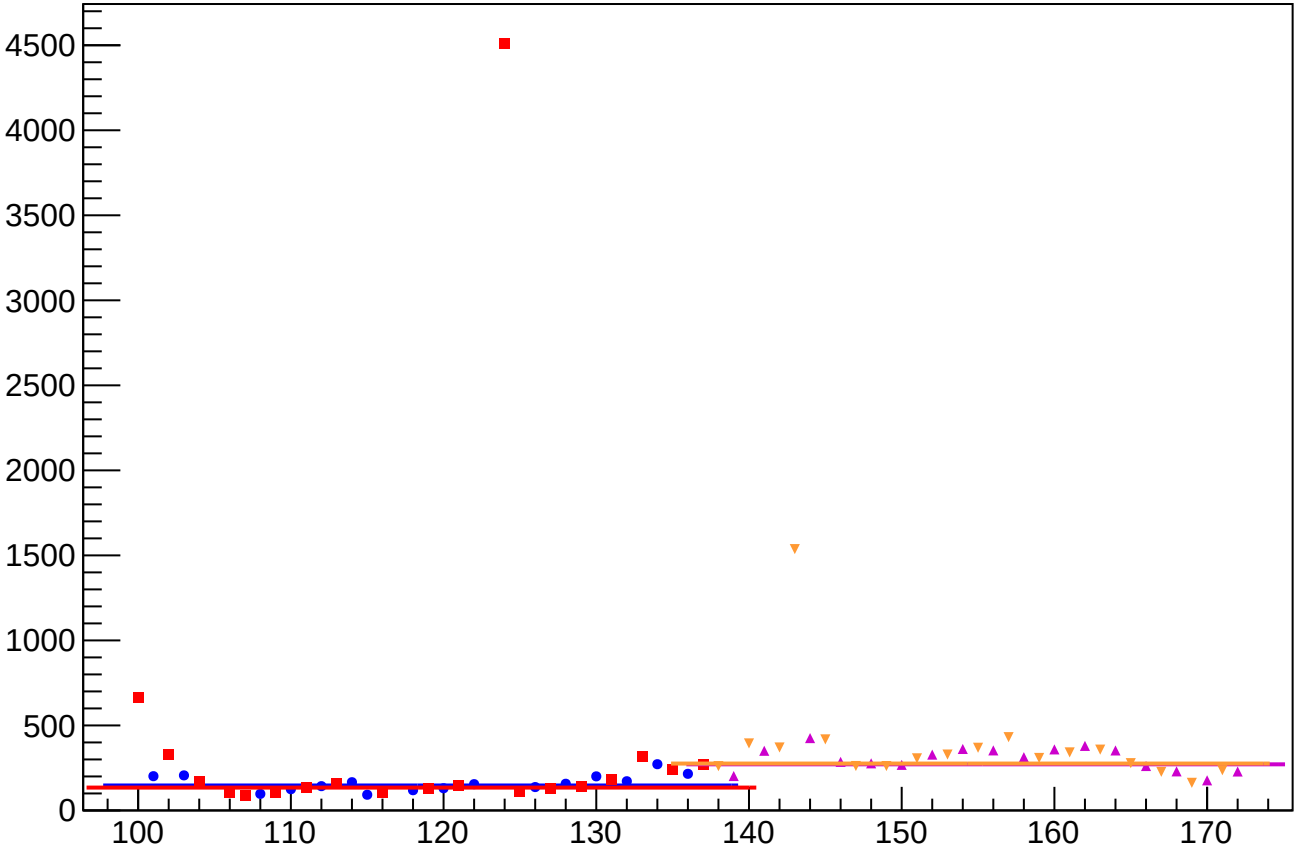
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.046+/-0.046 χ^2/NDF:32.3/32

Out: -0.019+/-0.045 χ^2/NDF:44.6/36

All: 0.013+/-0.032 χ^2/NDF: 77.9/69

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: 275.807+/-0.055 χ^2/NDF:2935721.4/17

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: 273.465+/-0.038 χ^2/NDF: 4566554.1/34

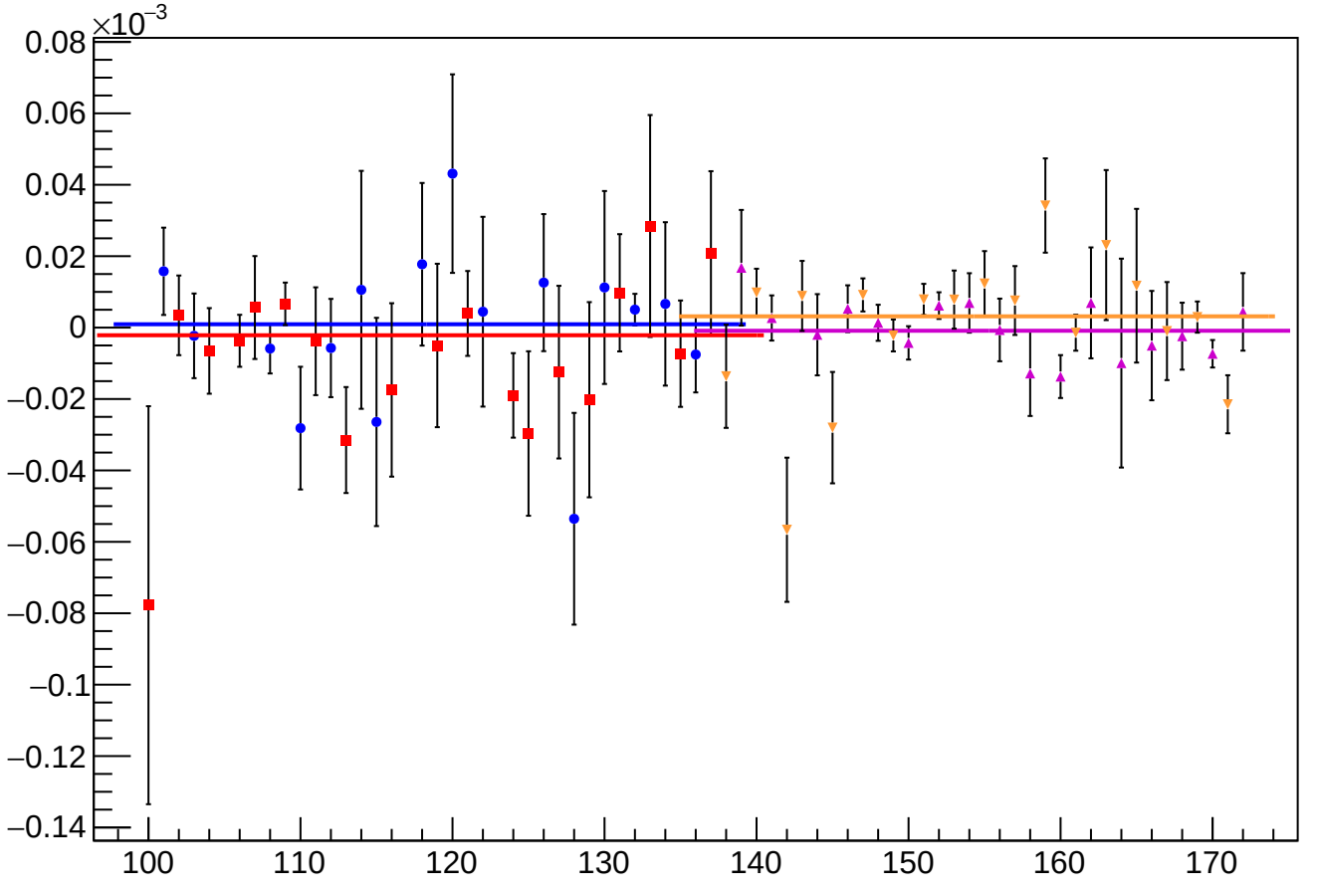
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 192.656+/-0.032 χ^2/NDF:6051336.4/32

Out: 181.238+/-0.032 χ^2/NDF:8943415.2/36

All: 186.815+/-0.023 χ^2/NDF: 15058163.4/69

asym_atl1r2_dd_atl2r1_dd_dd_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:38.0/17

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:16.6/16

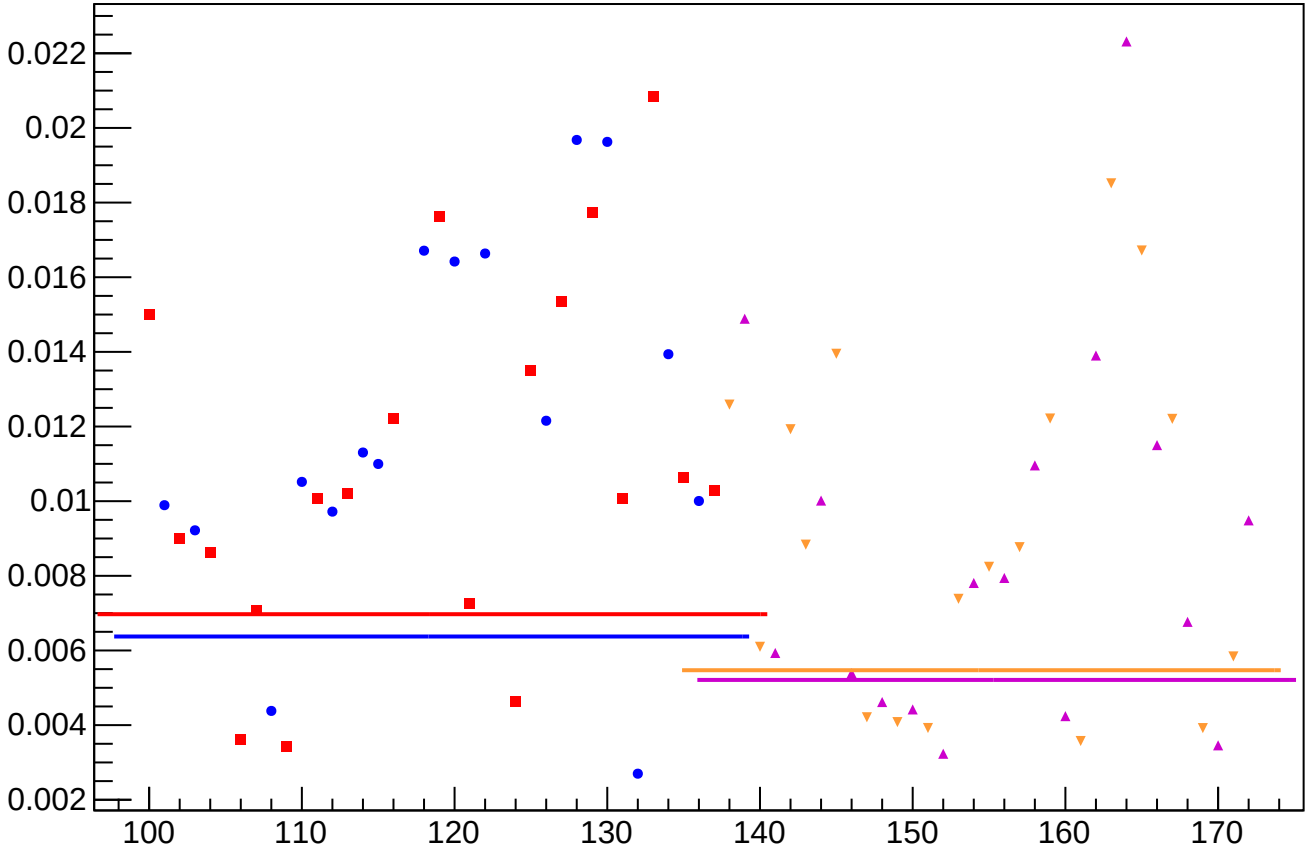
Left: 0.000+/-0.000 χ^2/NDF: 57.6/34

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:56.4/36

All: 0.000+/-0.000 χ^2/NDF: 89.5/69



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:5516719.2/17

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: 10619660.1/34

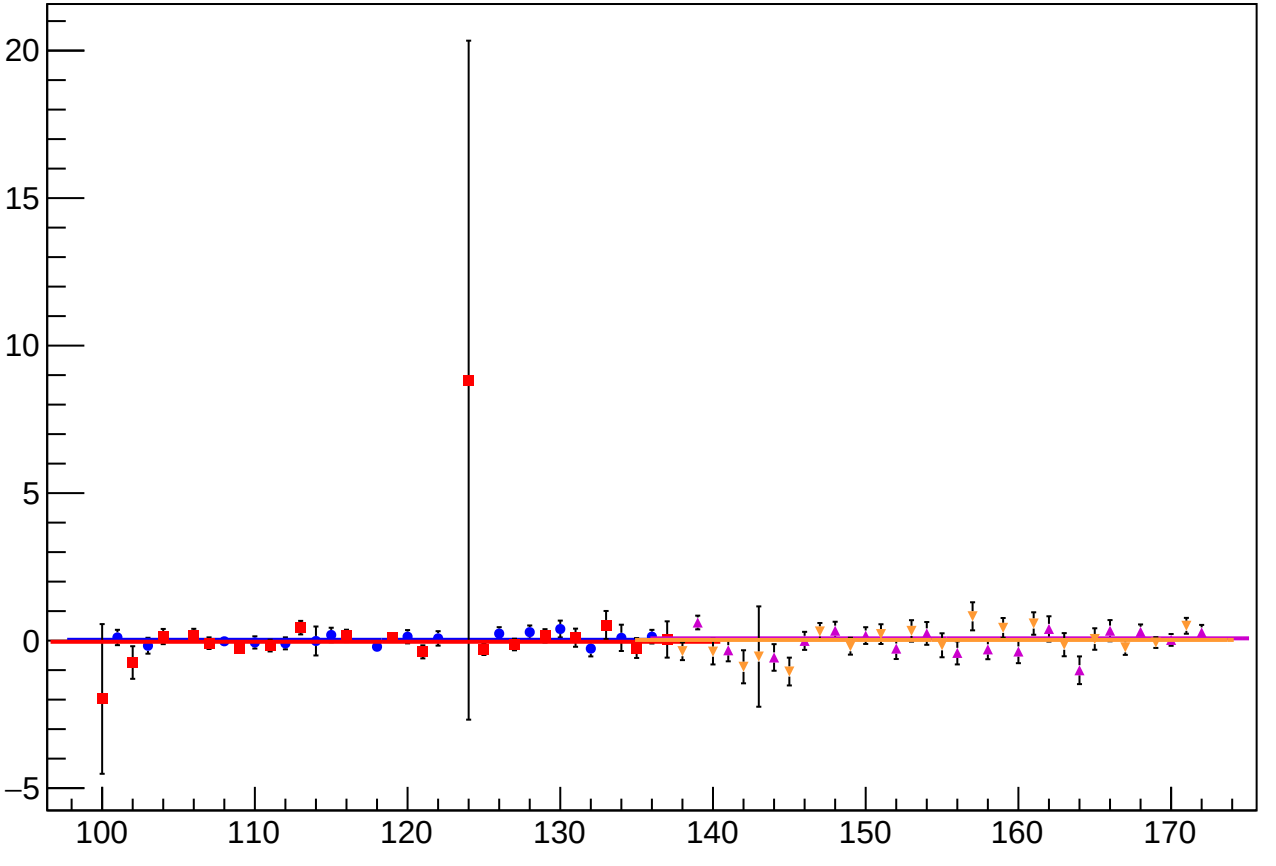
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.005+/-0.000 χ^2/NDF:9959101.2/32

Out: 0.006+/-0.000 χ^2/NDF:9304892.8/36

All: 0.006+/-0.000 χ^2/NDF: 19319338.9/69

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: 0.023+/-0.078 χ^2/NDF:24.2/17

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: 0.051+/-0.054 χ^2/NDF: 47.0/34

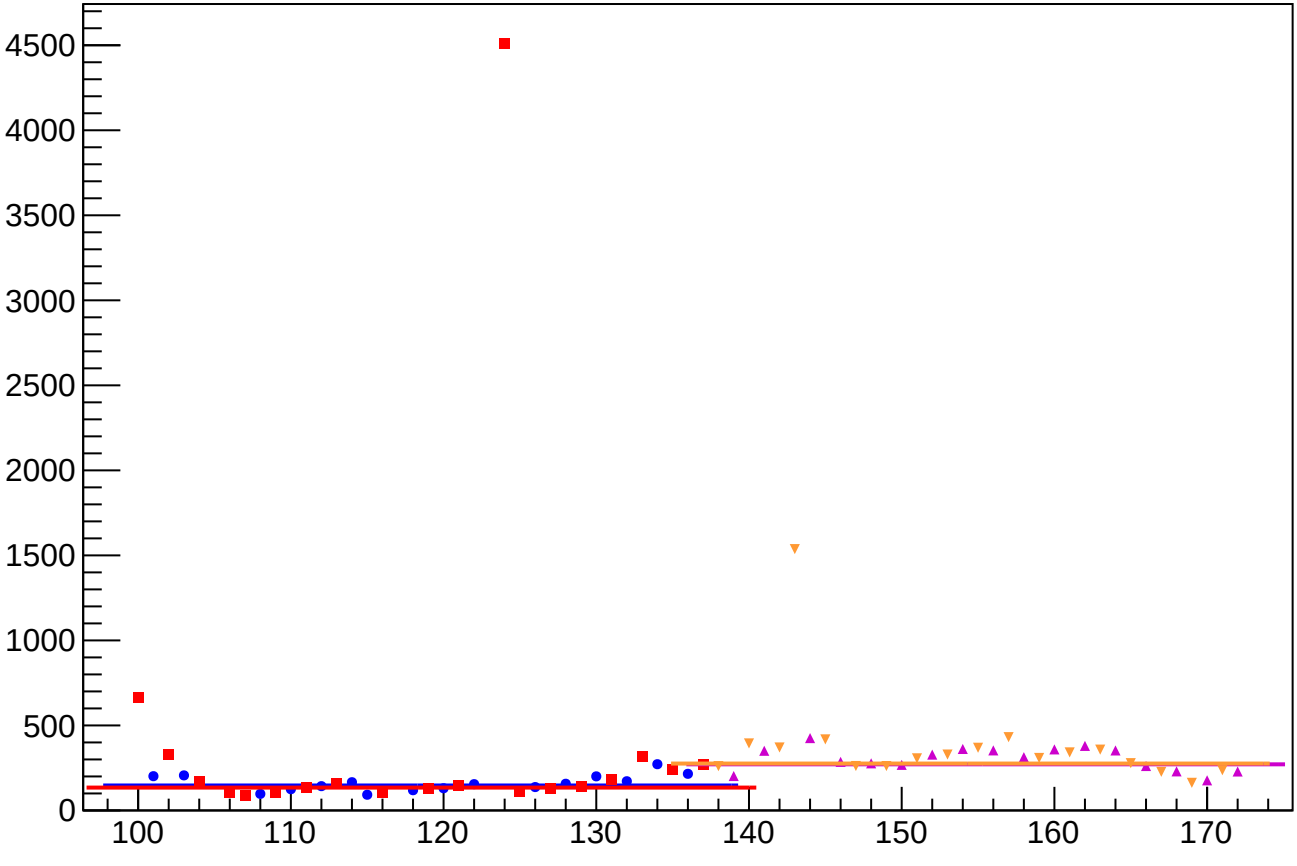
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.046+/-0.046 χ^2/NDF:32.3/32

Out: -0.019+/-0.045 χ^2/NDF:44.6/36

All: 0.013+/-0.032 χ^2/NDF: 77.9/69

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: 275.808+/-0.055 χ^2/NDF:2935825.9/17

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: 273.466+/-0.038 χ^2/NDF: 4566710.3/34

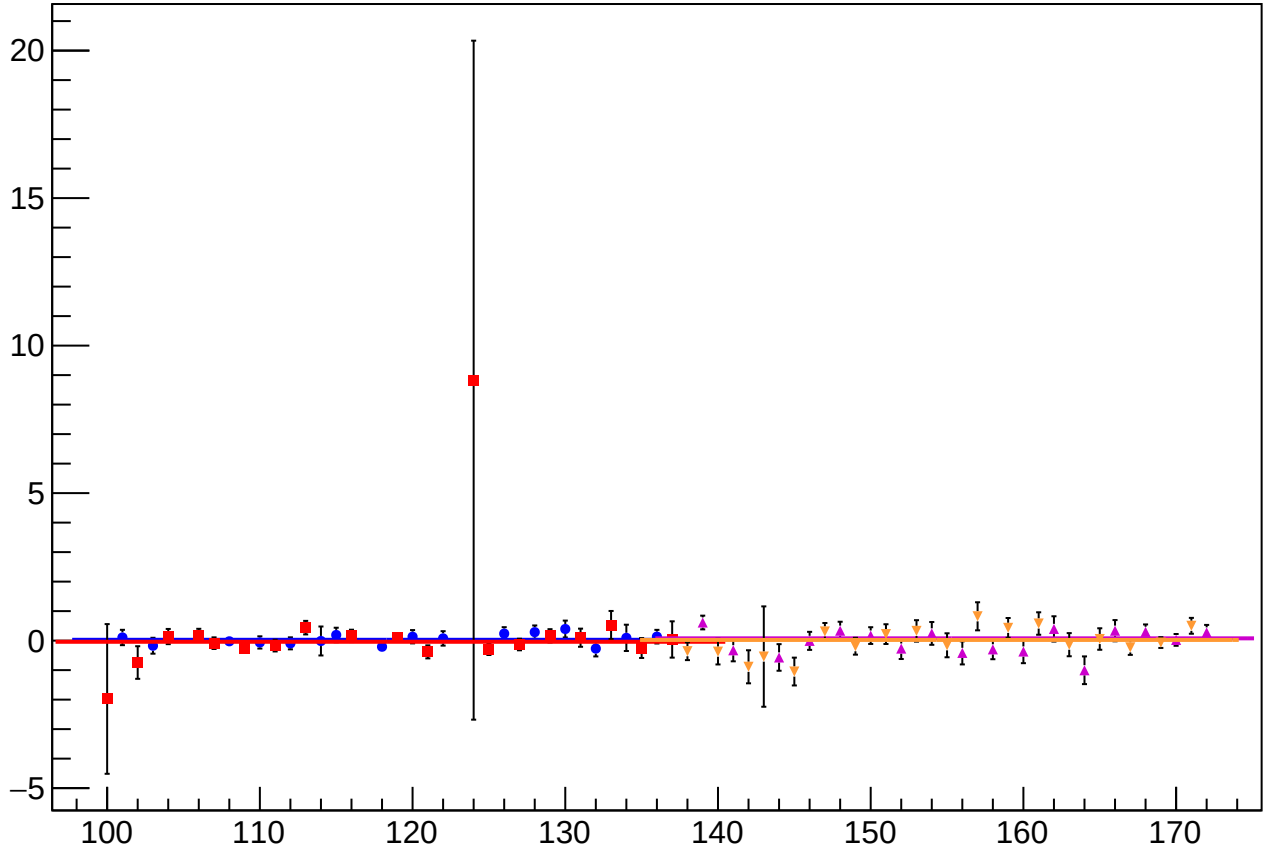
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 192.656+/-0.032 χ^2/NDF:6051420.2/32

Out: 181.240+/-0.032 χ^2/NDF:8943392.9/36

All: 186.816+/-0.023 χ^2/NDF: 15058211.2/69

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: 0.023+/-0.078 χ^2/NDF:24.2/17

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: 0.051+/-0.054 χ^2/NDF: 47.0/34

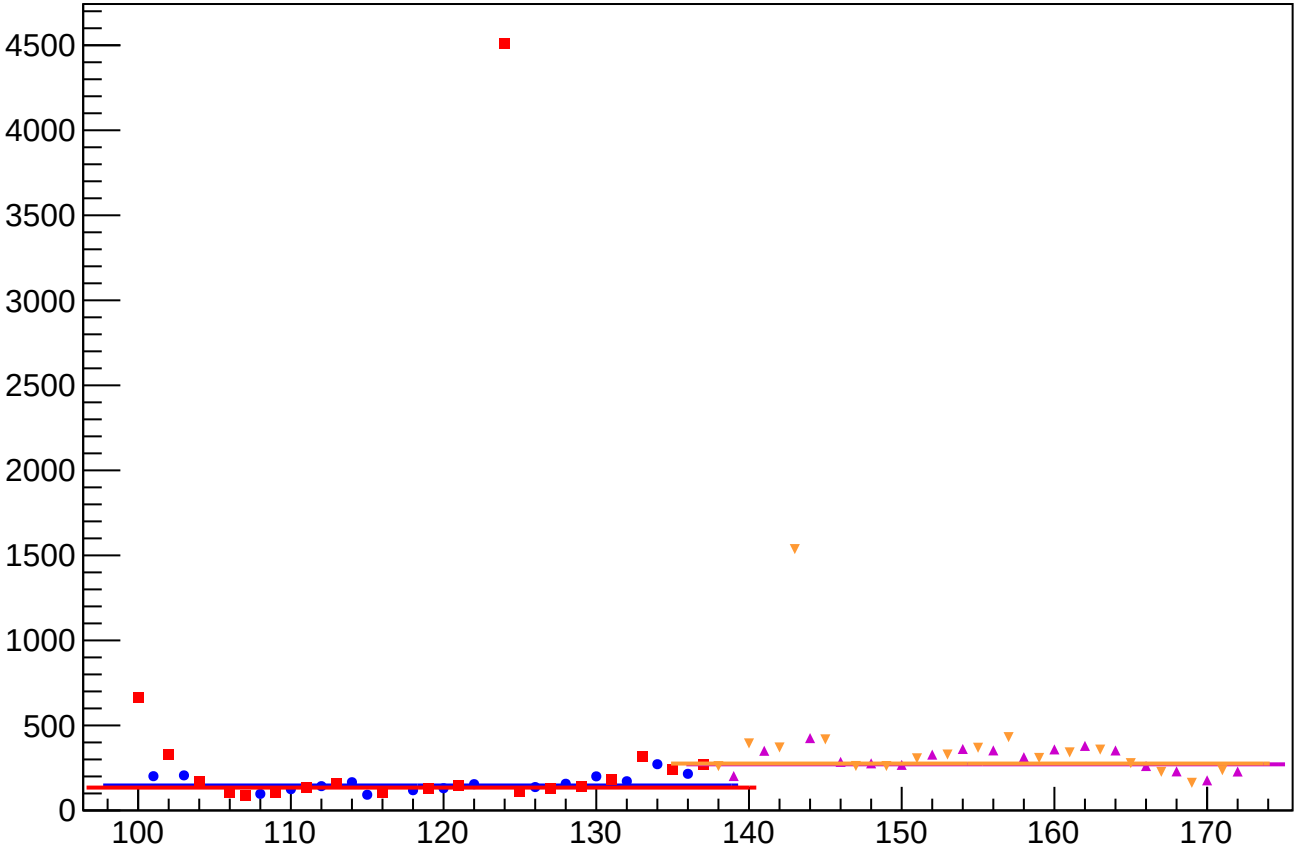
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.046+/-0.046 χ^2/NDF:32.3/32

Out: -0.019+/-0.045 χ^2/NDF:44.6/36

All: 0.013+/-0.032 χ^2/NDF: 77.9/69

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: 275.808+/-0.055 χ^2/NDF:2935825.9/17

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 271.264+/-0.053 χ^2/NDF:1627379.4/16

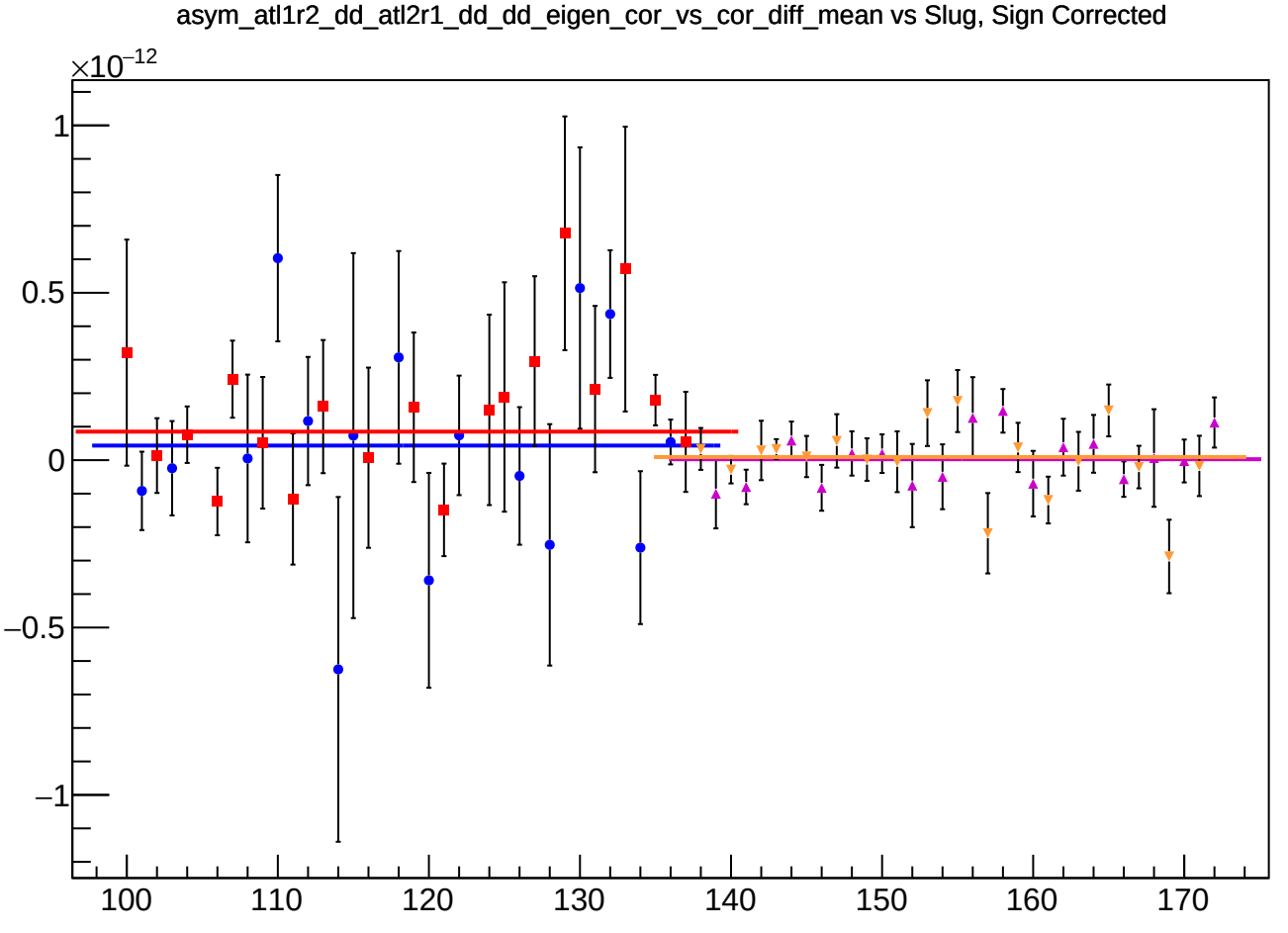
Left: 273.466+/-0.038 χ^2/NDF: 4566710.3/34

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 192.656+/-0.032 χ^2/NDF:6051420.2/32

Out: 181.240+/-0.032 χ^2/NDF:8943392.9/36

All: 186.816+/-0.023 χ^2/NDF: 15058211.2/69



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/17

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: 42.6/34

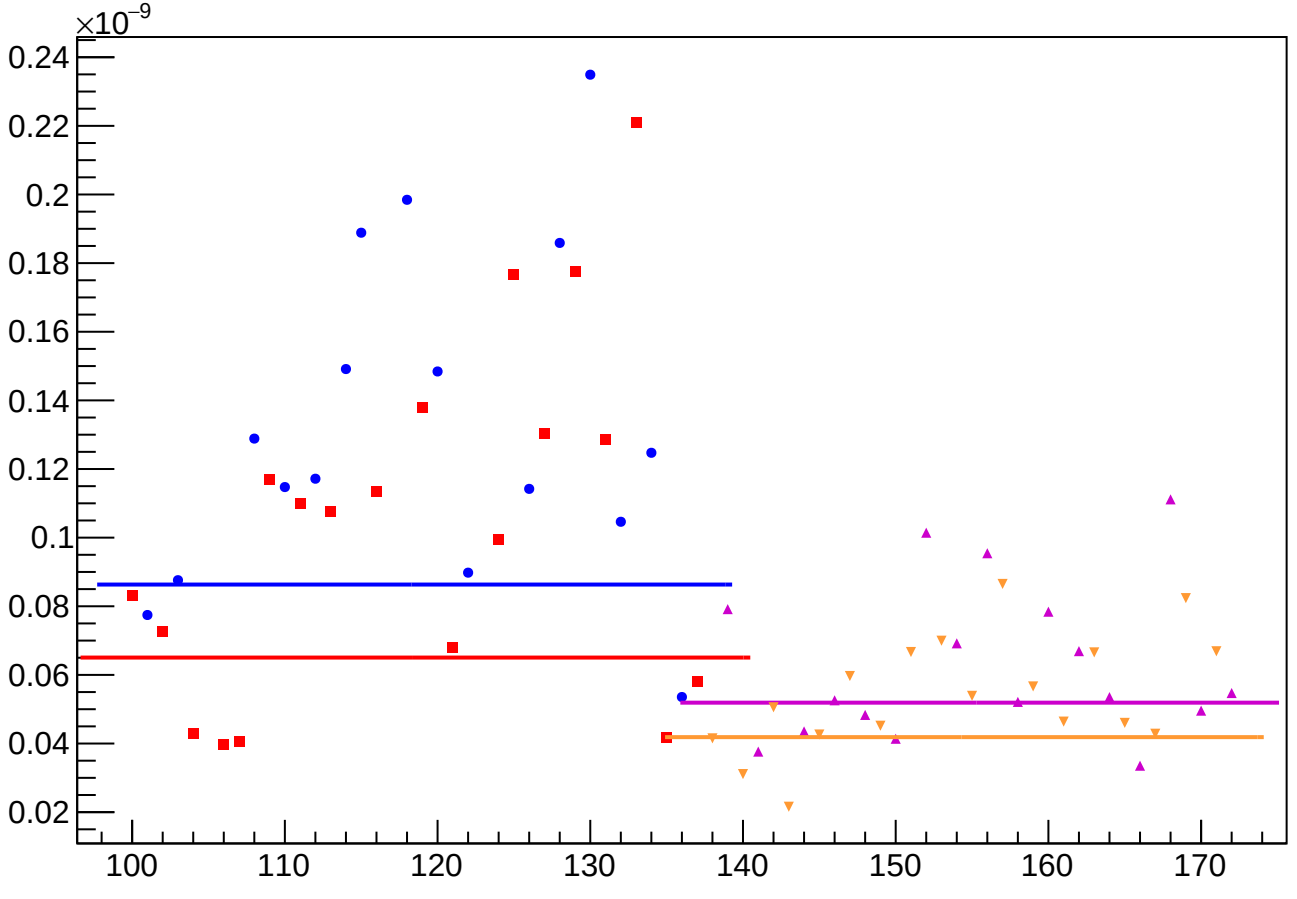
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:37.1/32

Out: 0.000+/-0.000 χ^2/NDF:47.5/36

All: 0.000+/-0.000 χ^2/NDF: 84.9/69

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:2503029.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1832464.0/16

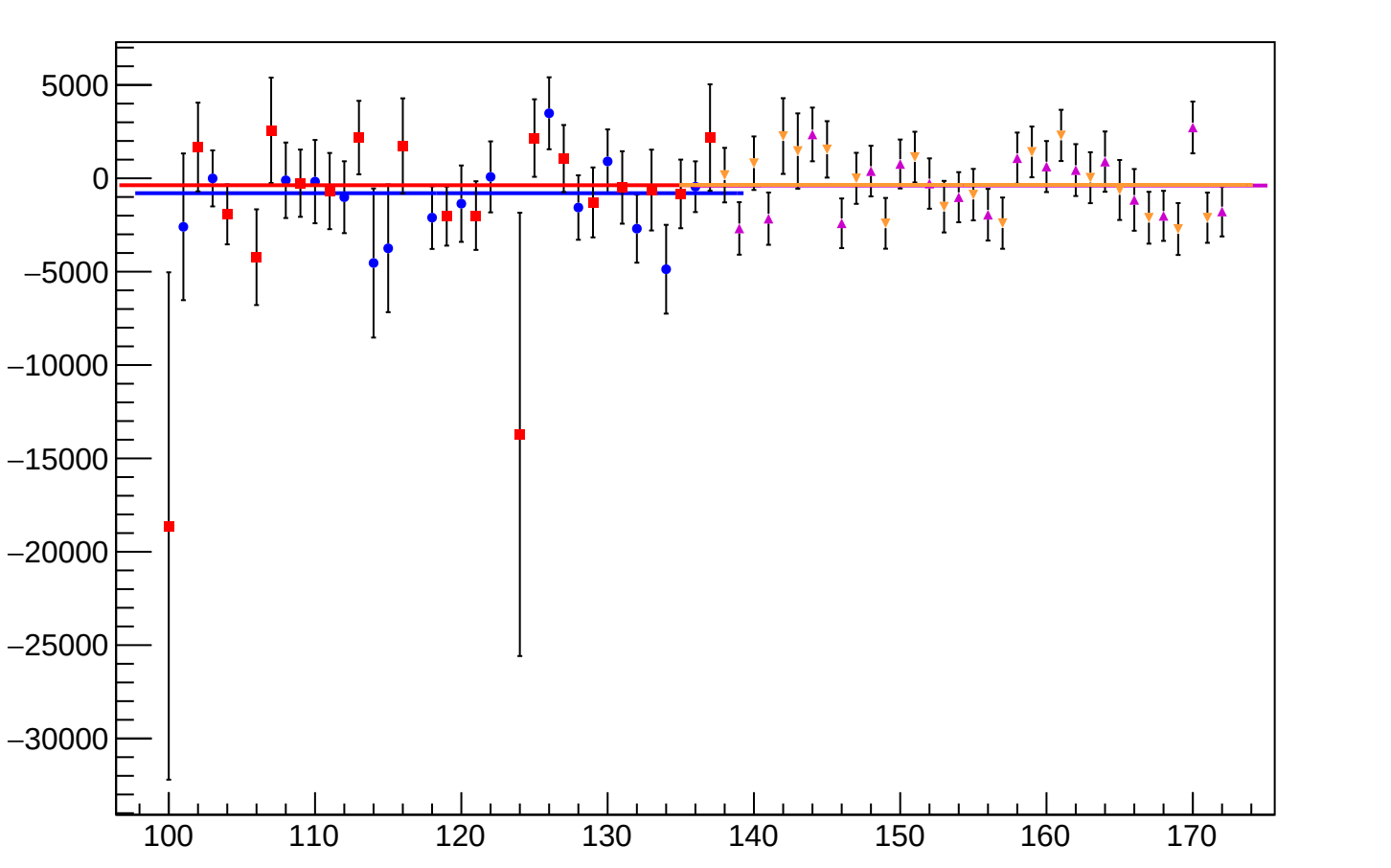
Left: 0.000+/-0.000 χ^2/NDF: 4707215.6/34

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:5428790.5/36

All: 0.000+/-0.000 χ^2/NDF: 10486740.7/69



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -353.302+/-339.646 χ^2/NDF:23.2/17

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -387.171+/-337.229 χ^2/NDF:23.3/16

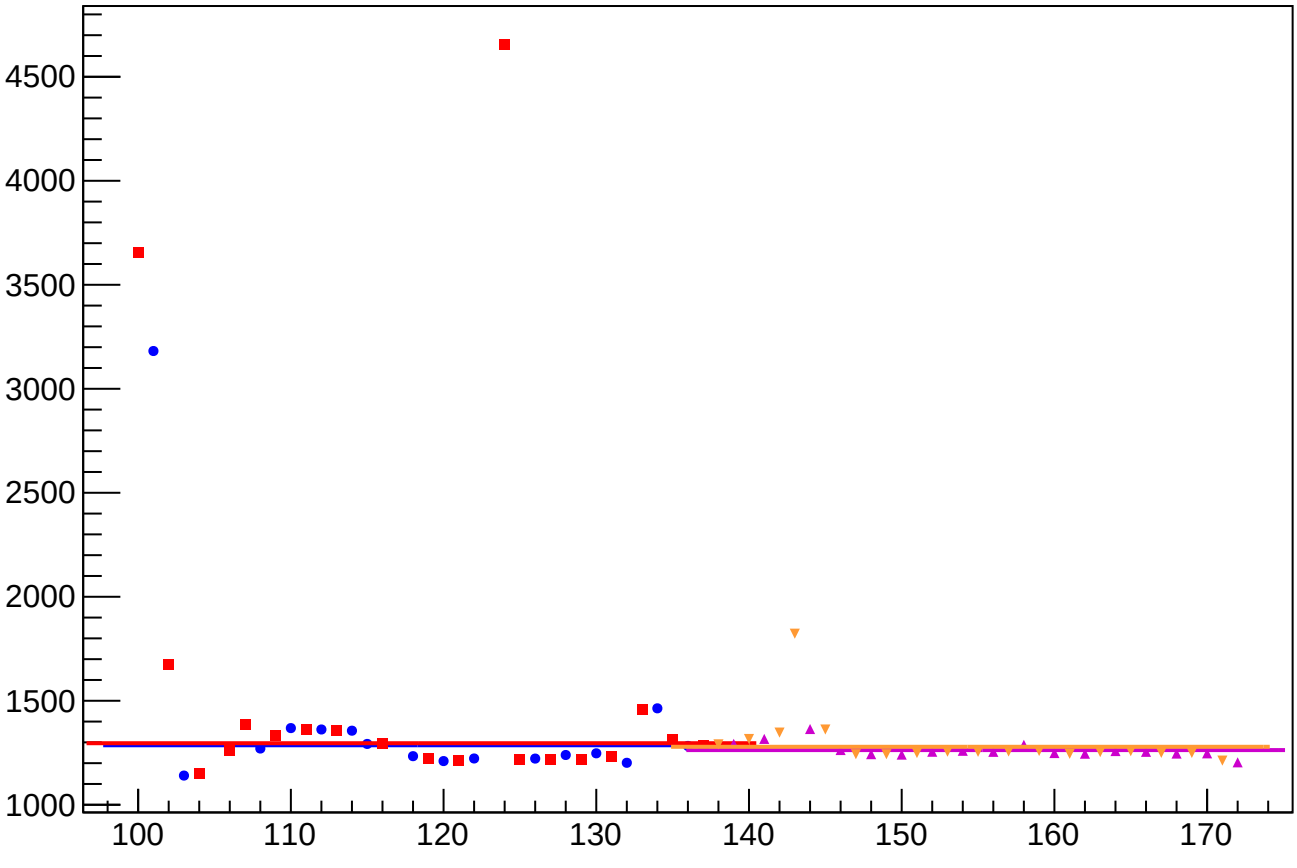
Left: -370.357+/-239.307 χ^2/NDF: 46.5/34

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -519.920+/-277.330 χ^2/NDF:37.2/32

Out: -358.787+/-278.365 χ^2/NDF:38.8/36

All: -439.654+/-196.467 χ^2/NDF: 76.2/69



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1278.733+/-0.240 χ^2/NDF:170006.9/17

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: 1270.758+/-0.169 χ^2/NDF: 192851.3/34

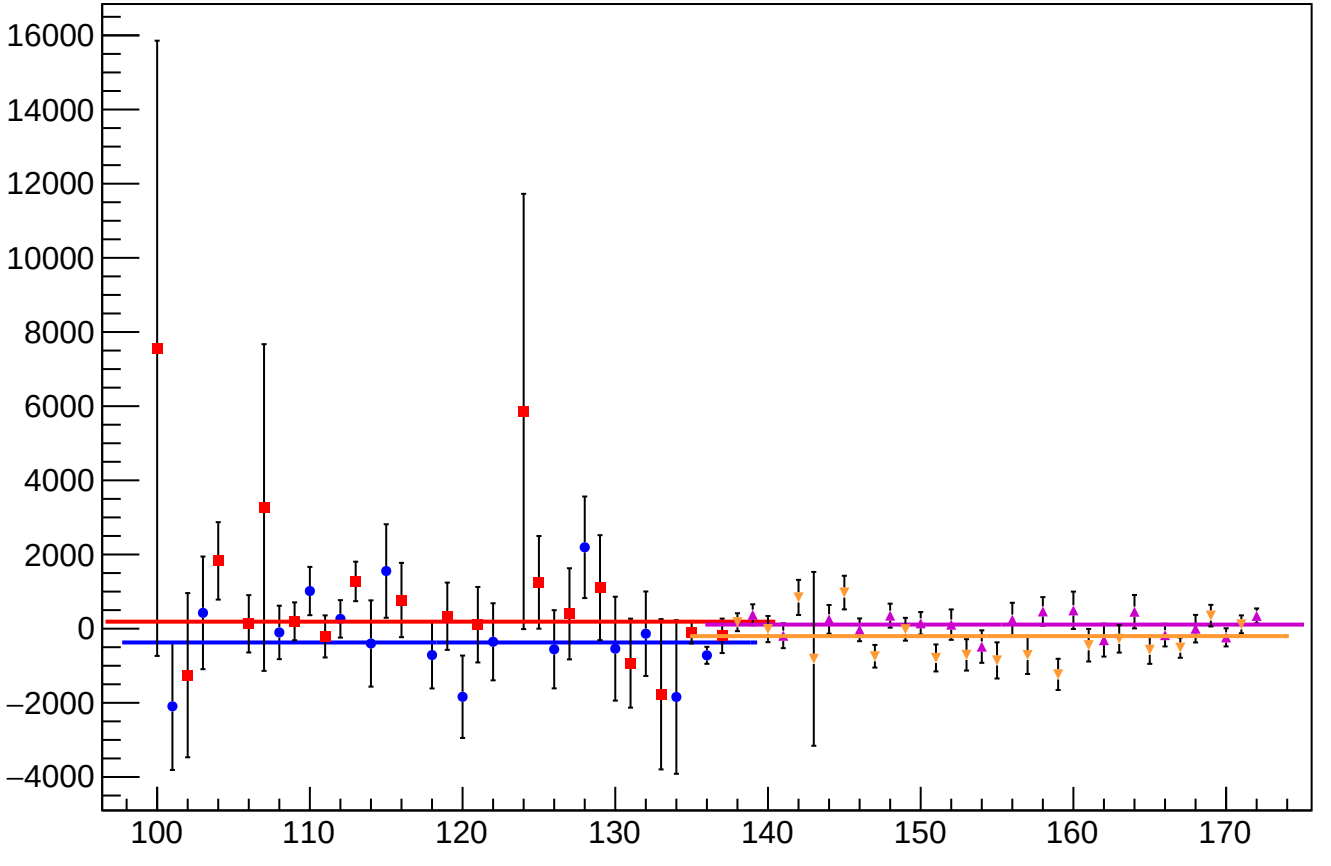
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1270.406+/-0.196 χ^2/NDF:541845.8/32

Out: 1284.383+/-0.197 χ^2/NDF:499762.6/36

All: 1277.368+/-0.139 χ^2/NDF: 1044139.1/69

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: -201.069+/-83.193 χ^2/NDF:38.7/17

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: -39.807+/-57.765 χ^2/NDF: 57.6/34

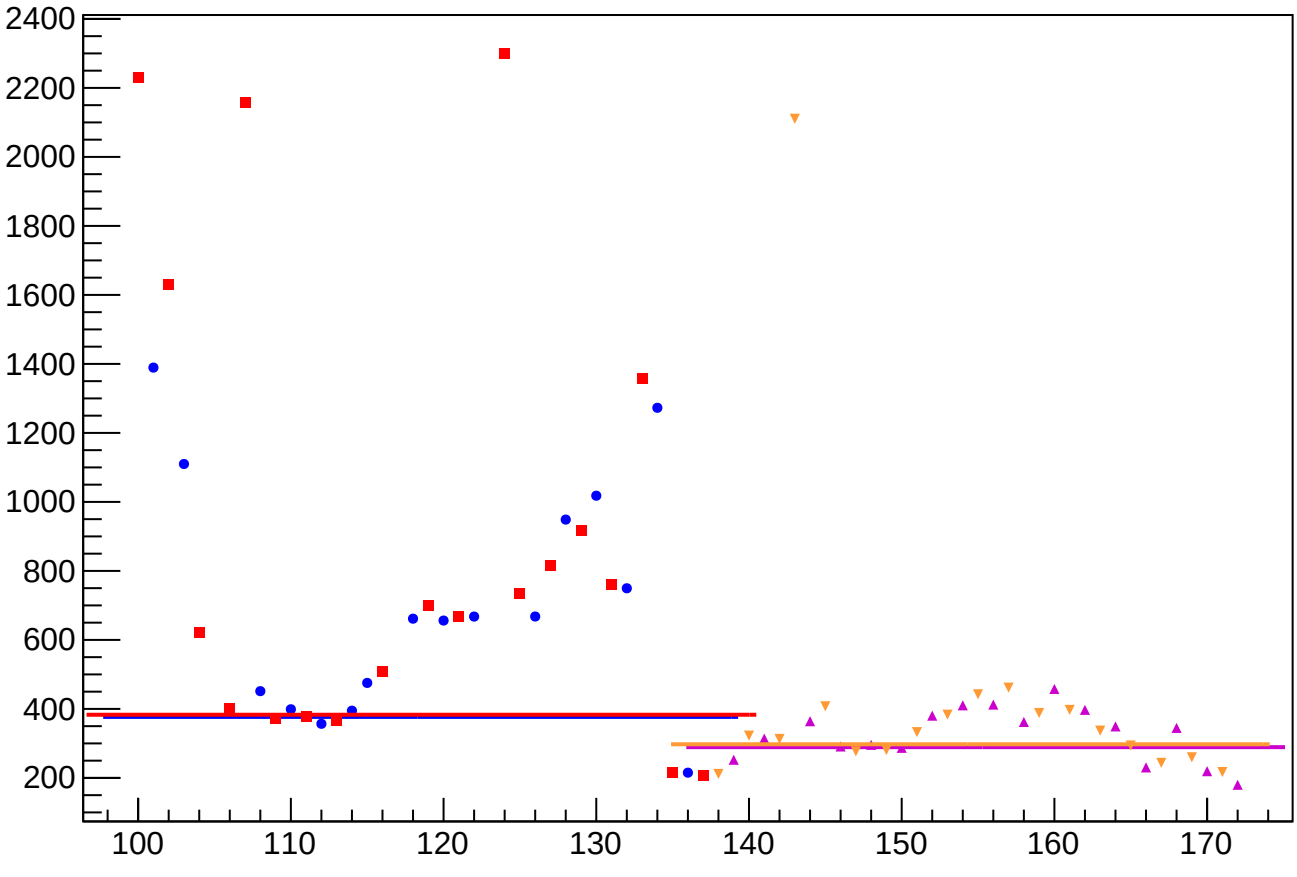
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 20.796+/-72.444 χ^2/NDF:36.6/32

Out: -125.410+/-74.689 χ^2/NDF:57.6/36

All: -50.077+/-52.001 χ^2/NDF: 96.1/69

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: 297.487+/-0.059 χ^2/NDF:2630093.9/17

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 289.152+/-0.057 χ^2/NDF:1840420.2/16

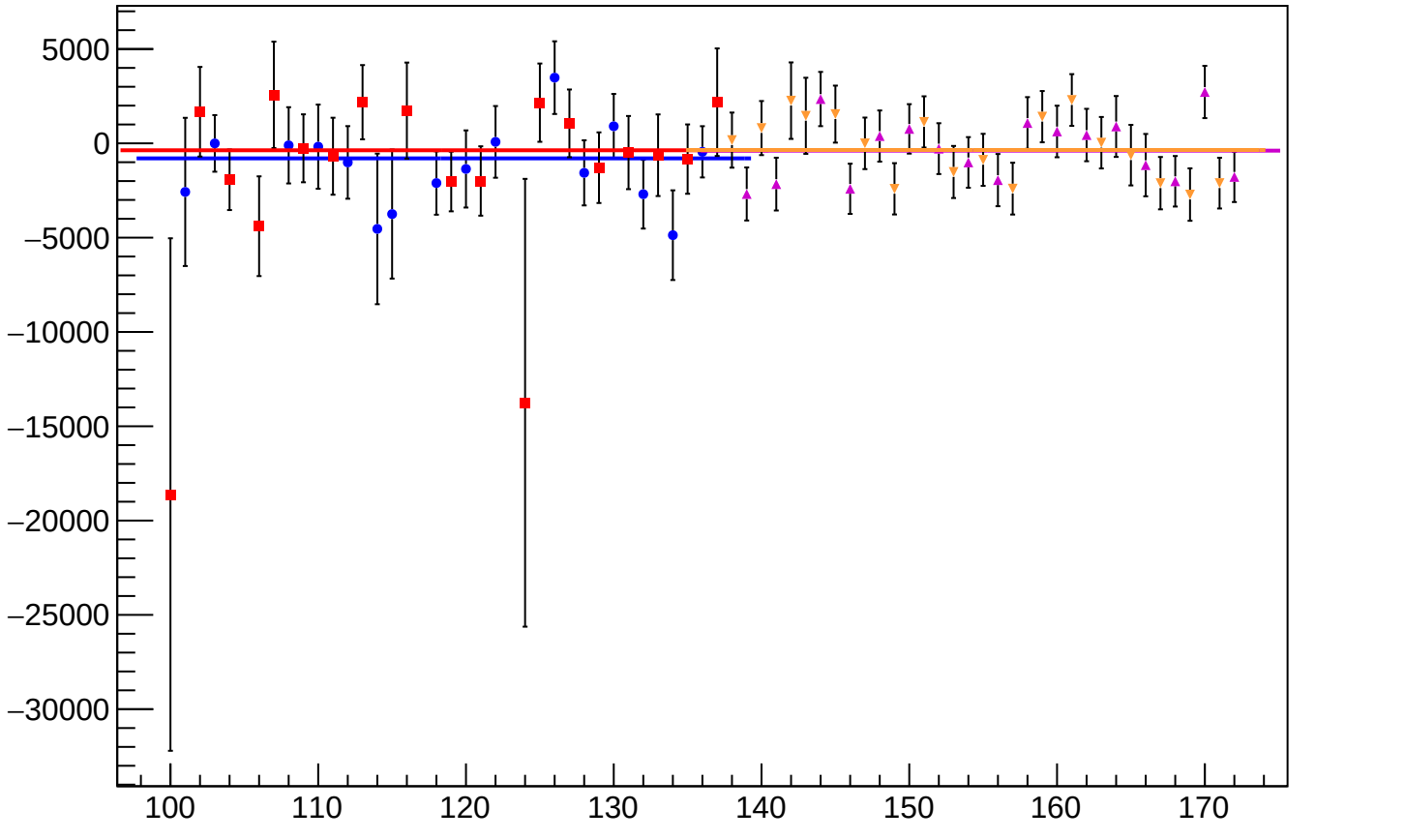
Left: 293.171+/-0.041 χ^2/NDF: 4480910.8/34

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 305.428+/-0.051 χ^2/NDF:6473865.8/32

Out: 314.090+/-0.053 χ^2/NDF:7094849.1/36

All: 309.627+/-0.037 χ^2/NDF: 13582577.0/69



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -353.235+/-339.646 χ^2/NDF:23.2/17

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -387.138+/-337.229 χ^2/NDF:23.3/16

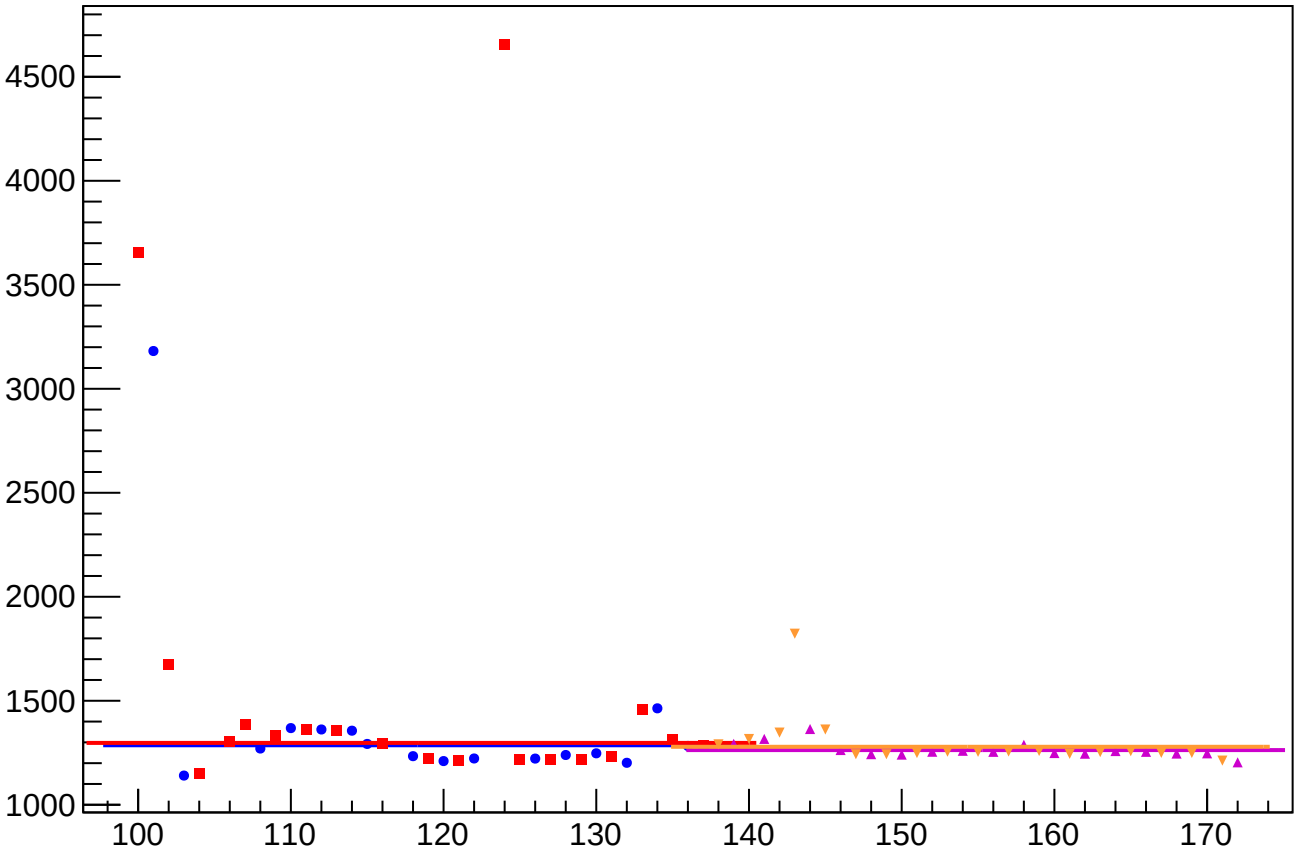
Left: -370.308+/-239.307 χ^2/NDF: 46.5/34

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -519.768+/-277.330 χ^2/NDF:37.2/32

Out: -357.904+/-278.463 χ^2/NDF:38.9/36

All: -439.166+/-196.502 χ^2/NDF: 76.2/69



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1278.733+/-0.240 χ^2/NDF:170006.9/17

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: 1270.758+/-0.169 χ^2/NDF: 192851.3/34

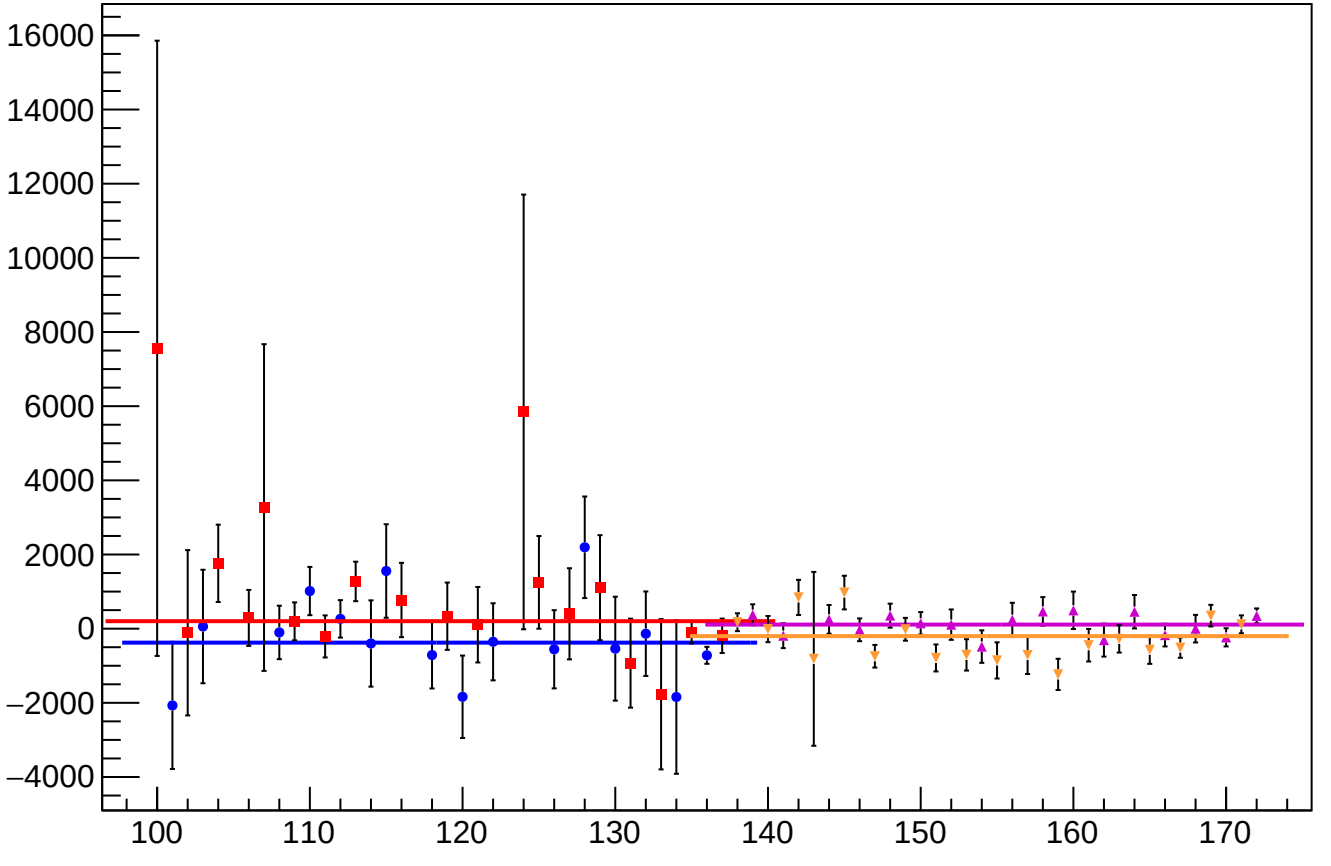
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1270.406+/-0.196 χ^2/NDF:541847.2/32

Out: 1284.851+/-0.197 χ^2/NDF:499727.7/36

All: 1277.599+/-0.139 χ^2/NDF: 1044276.9/69

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: -201.059+/-83.195 χ^2/NDF:38.6/17

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: -39.779+/-57.766 χ^2/NDF: 57.6/34

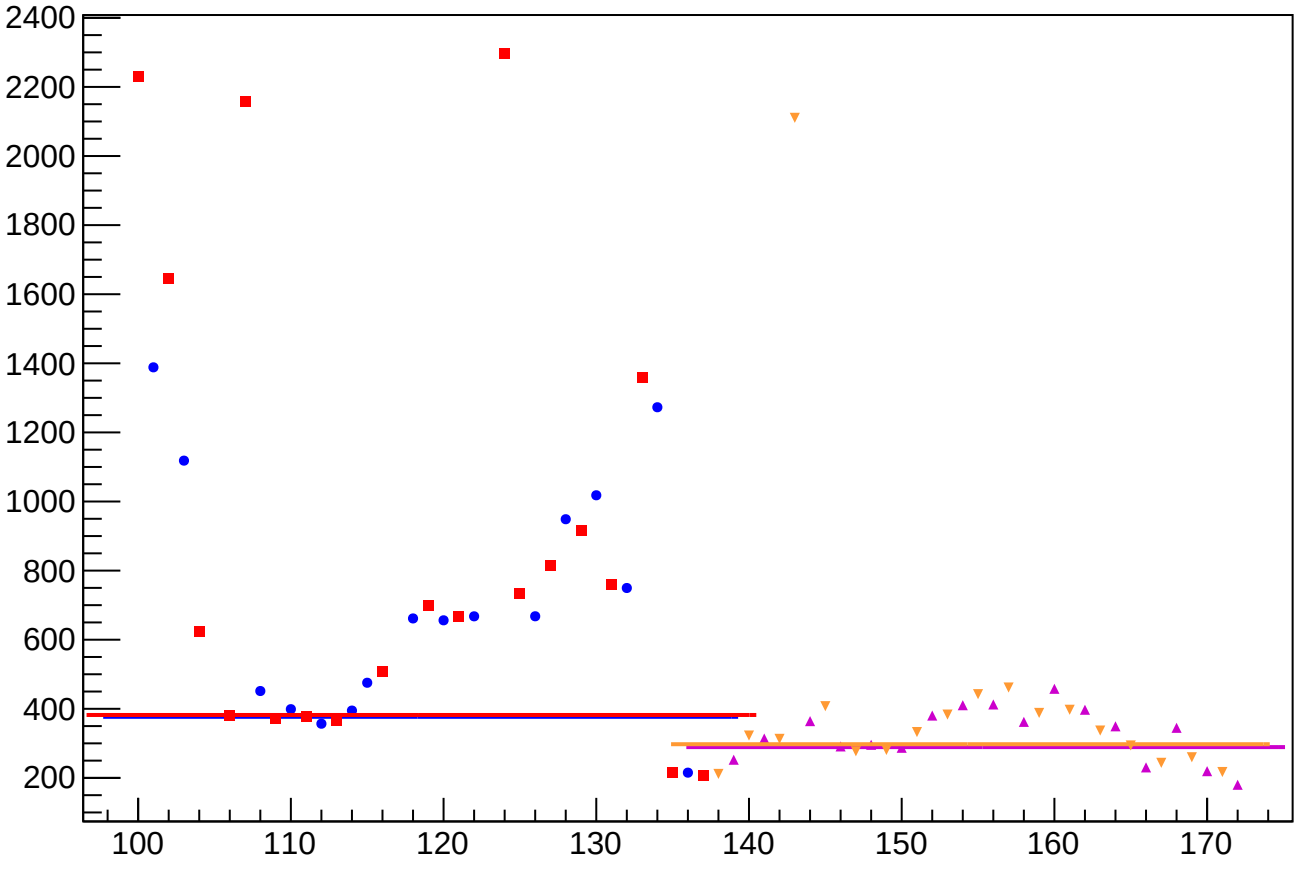
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 20.019+/-72.446 χ^2/NDF:36.5/32

Out: -122.691+/-74.673 χ^2/NDF:57.3/36

All: -49.176+/-51.997 χ^2/NDF: 95.6/69

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: 297.496+/-0.059 χ^2/NDF:2629938.3/17

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 289.154+/-0.057 χ^2/NDF:1840467.2/16

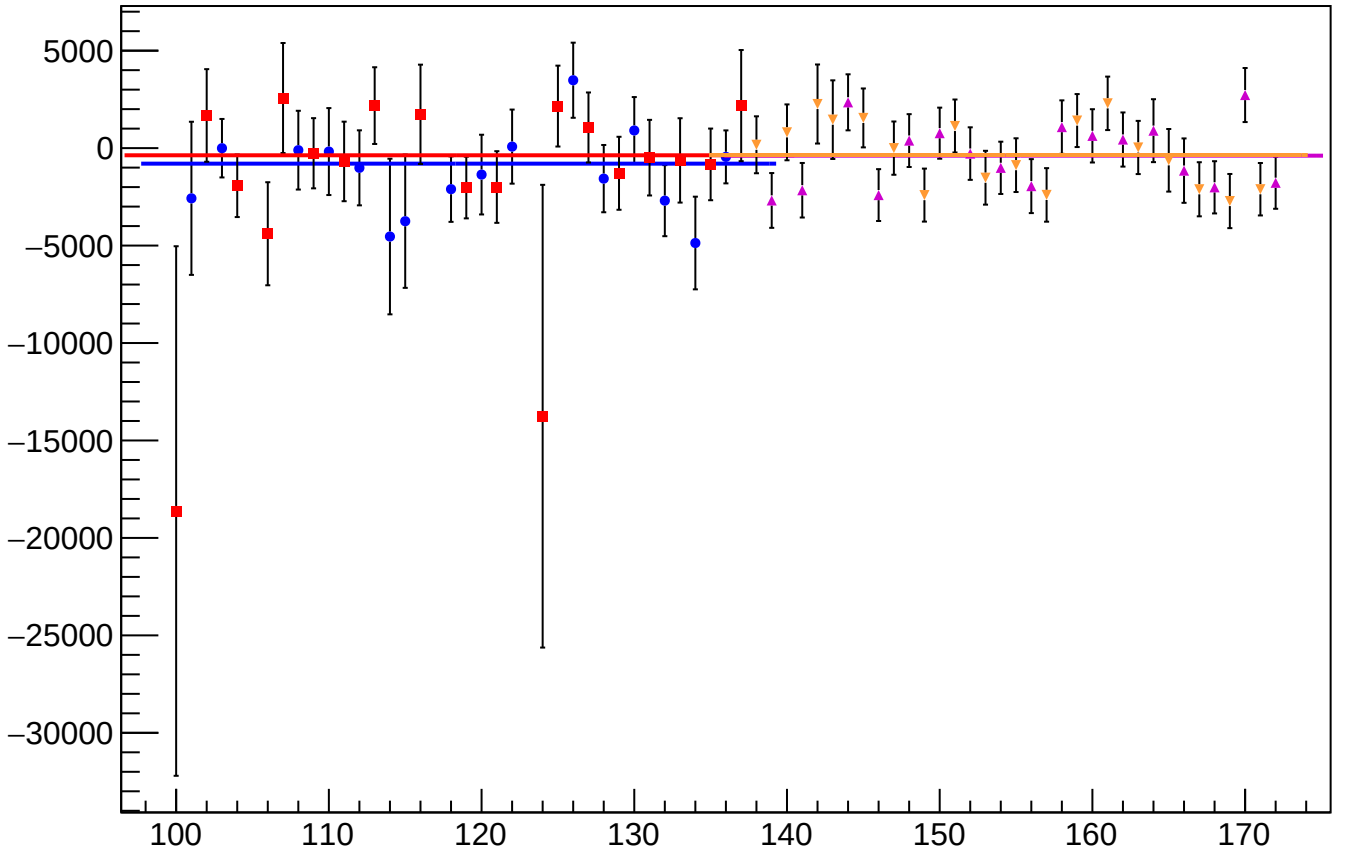
Left: 293.176+/-0.041 χ^2/NDF: 4480819.6/34

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 305.425+/-0.051 χ^2/NDF:6476857.1/32

Out: 313.947+/-0.053 χ^2/NDF:7091892.9/36

All: 309.557+/-0.037 χ^2/NDF: 13582169.9/69



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -353.235+/-339.646 χ^2/NDF:23.2/17

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -387.138+/-337.229 χ^2/NDF:23.3/16

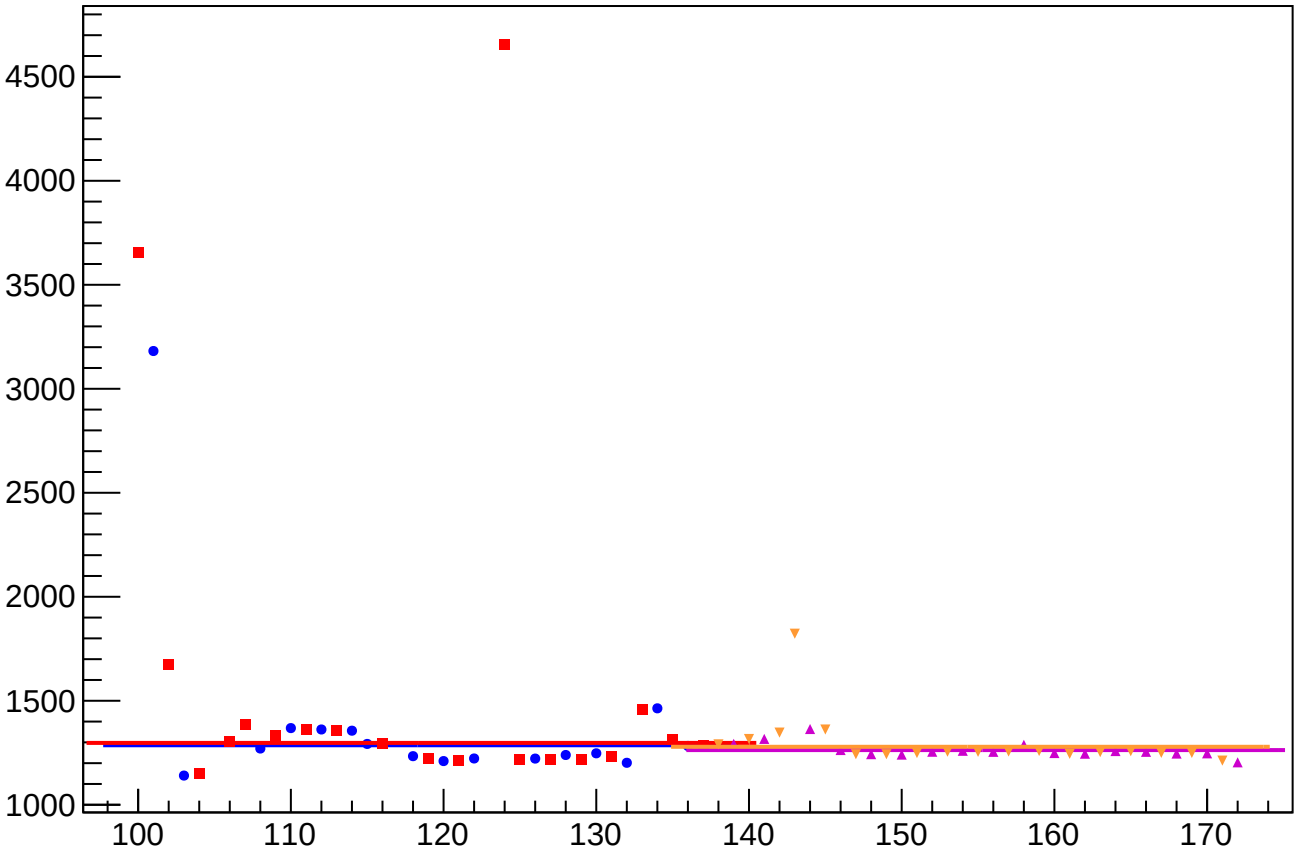
Left: -370.308+/-239.307 χ^2/NDF: 46.5/34

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -519.768+/-277.330 χ^2/NDF:37.2/32

Out: -357.904+/-278.463 χ^2/NDF:38.9/36

All: -439.166+/-196.502 χ^2/NDF: 76.2/69



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1278.733+/-0.240 χ^2/NDF:170006.9/17

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: 1270.758+/-0.169 χ^2/NDF: 192851.3/34

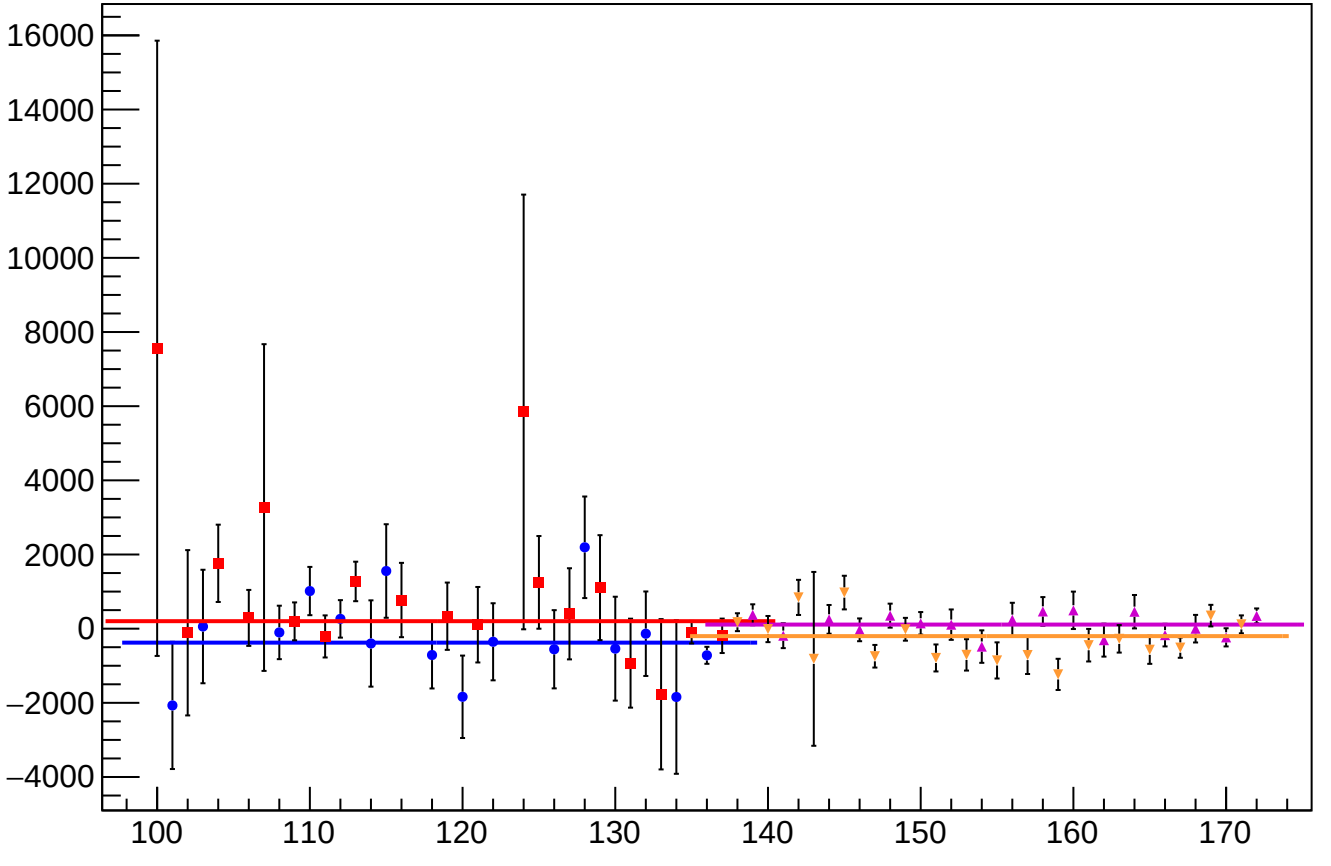
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1270.406+/-0.196 χ^2/NDF:541847.2/32

Out: 1284.851+/-0.197 χ^2/NDF:499727.7/36

All: 1277.599+/-0.139 χ^2/NDF: 1044276.9/69

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: -201.059+/-83.195 χ^2/NDF:38.6/17

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: -39.779+/-57.766 χ^2/NDF: 57.6/34

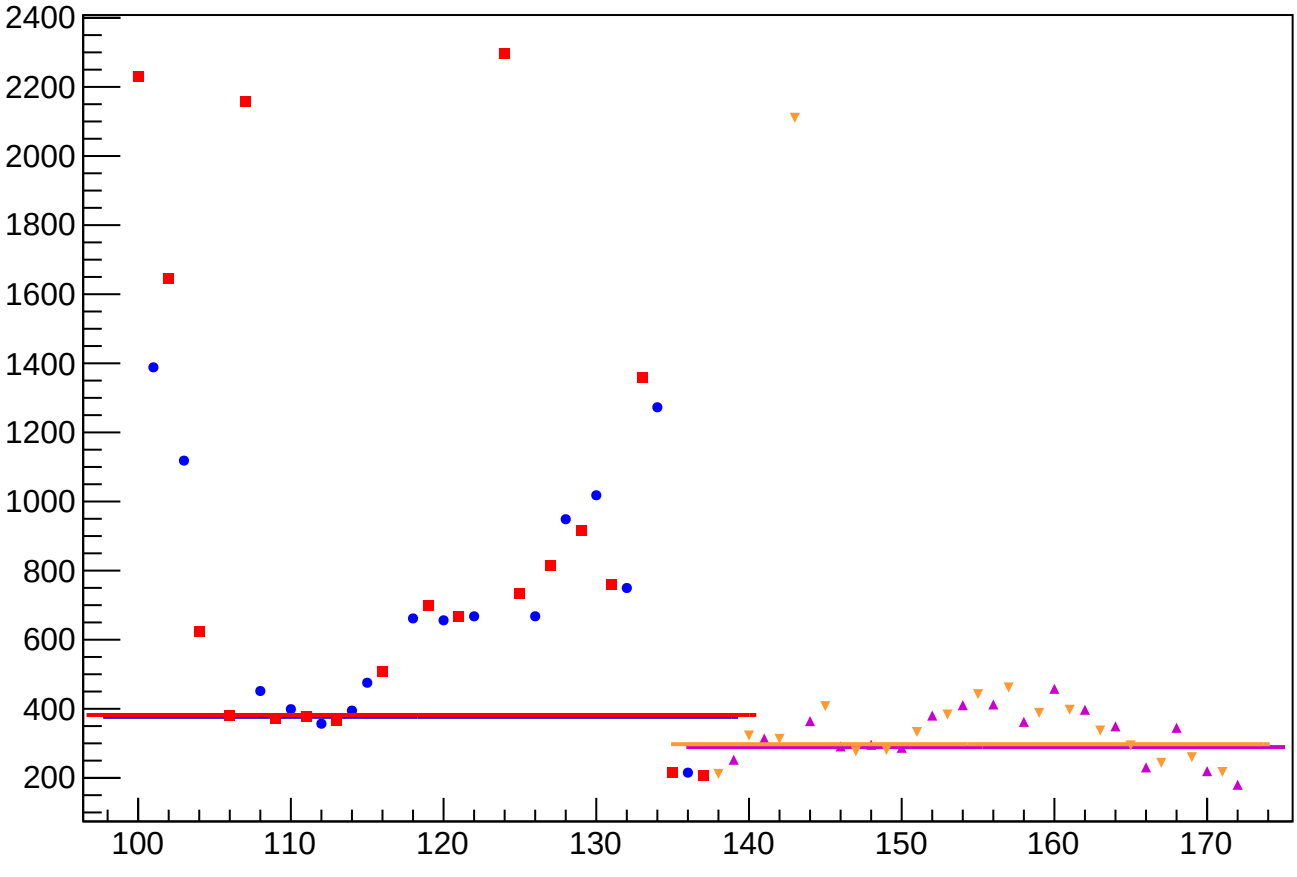
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 20.019+/-72.446 χ^2/NDF:36.5/32

Out: -122.691+/-74.673 χ^2/NDF:57.3/36

All: -49.176+/-51.997 χ^2/NDF: 95.6/69

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: 297.496+/-0.059 χ^2/NDF:2629938.3/17

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 289.154+/-0.057 χ^2/NDF:1840467.2/16

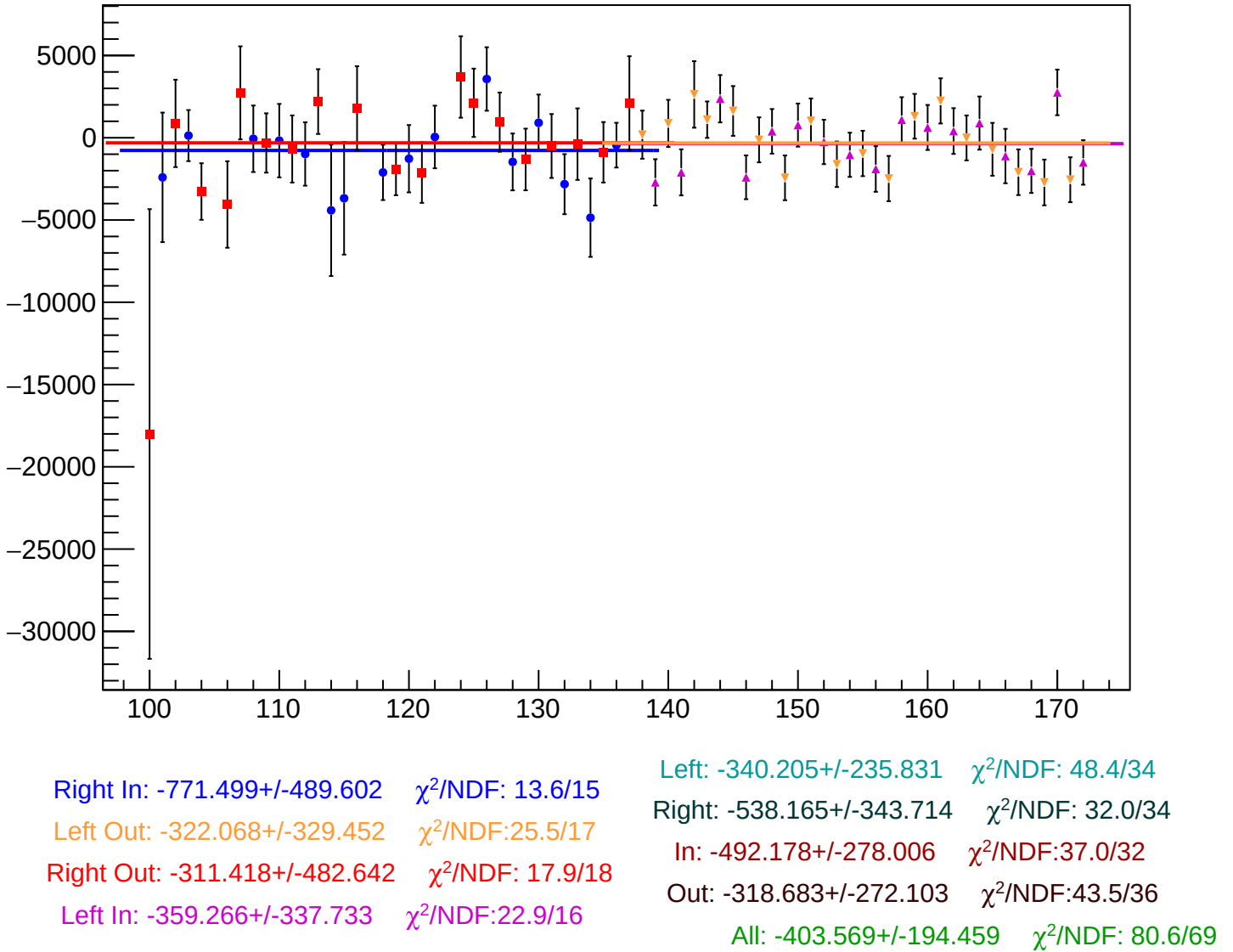
Left: 293.176+/-0.041 χ^2/NDF: 4480819.6/34

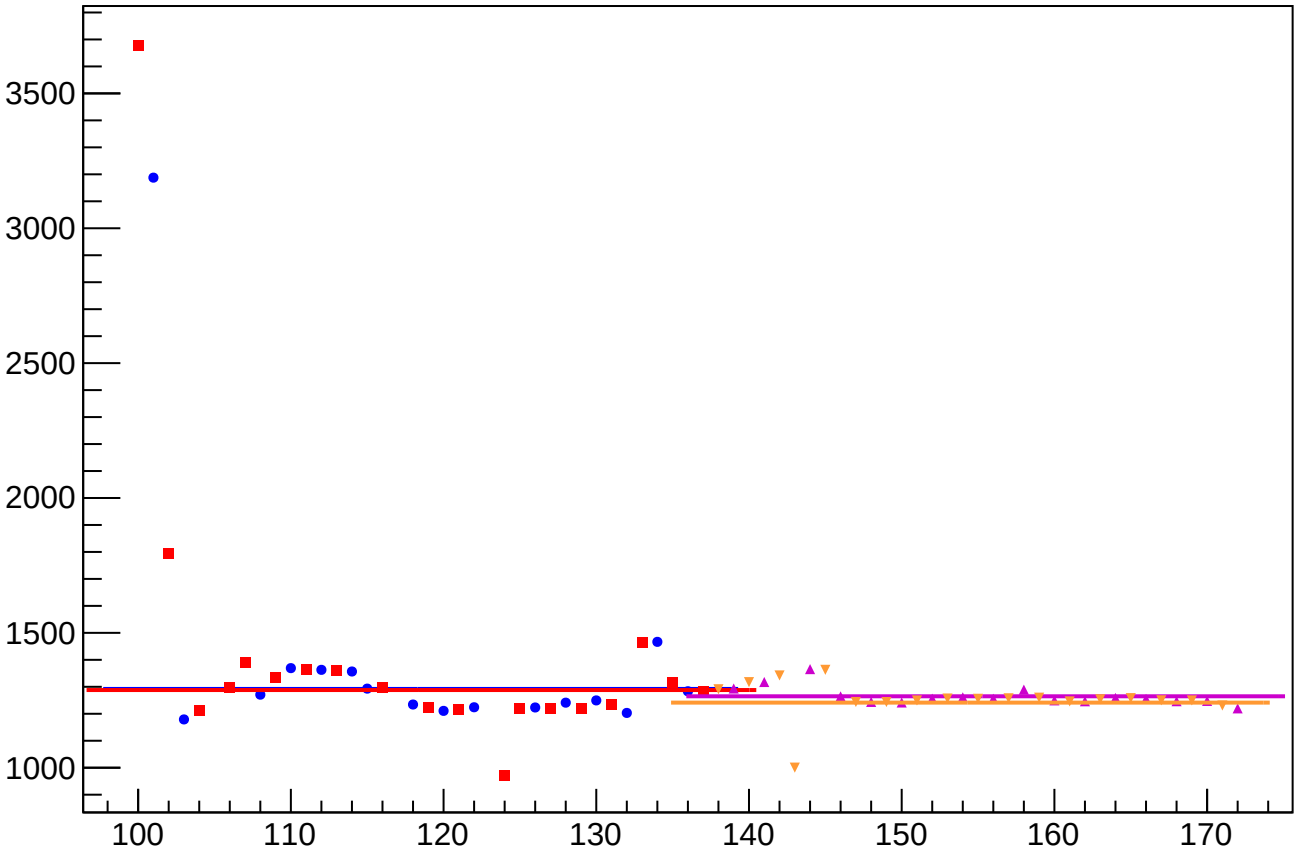
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 305.425+/-0.051 χ^2/NDF:6476857.1/32

Out: 313.947+/-0.053 χ^2/NDF:7091892.9/36

All: 309.557+/-0.037 χ^2/NDF: 13582169.9/69


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: -322.068+/-329.452 χ²/NDF:25.5/17
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -359.266+/-337.733 χ²/NDF:22.9/16
Left: -340.205+/-235.831 χ²/NDF: 48.4/34
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -492.178+/-278.006 χ²/NDF:37.0/32
Out: -318.683+/-272.103 χ²/NDF:43.5/36
All: -403.569+/-194.459 χ²/NDF: 80.6/69



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1241.374+/-0.233 χ^2/NDF:122422.3/17

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: 1252.805+/-0.167 χ^2/NDF: 146347.2/34

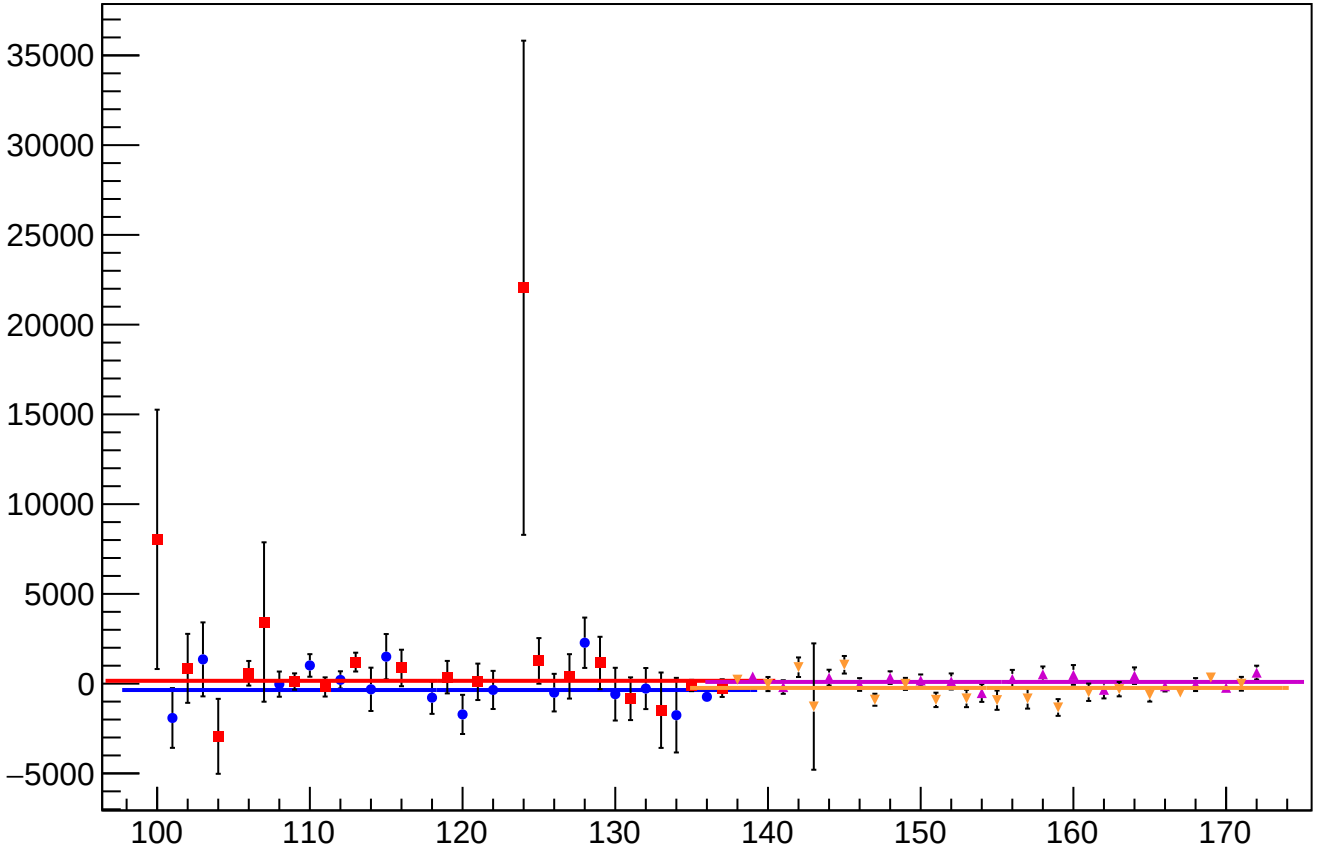
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1273.595+/-0.197 χ^2/NDF:532580.9/32

Out: 1256.190+/-0.192 χ^2/NDF:344357.5/36

All: 1264.706+/-0.138 χ^2/NDF: 880942.0/69

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: -238.673+/-90.533 χ^2/NDF:38.9/17

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: -69.478+/-63.592 χ^2/NDF: 57.6/34

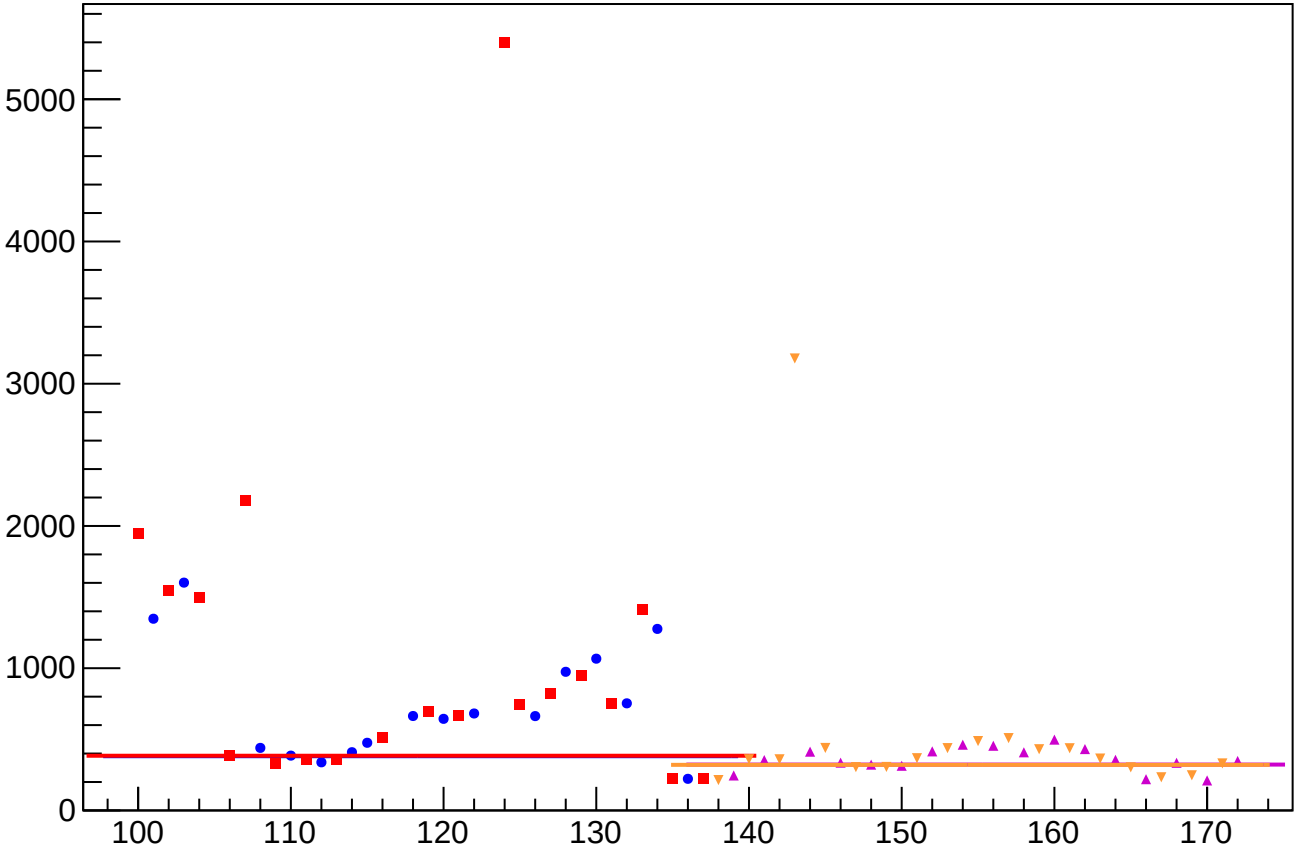
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -2.233+/-79.084 χ^2/NDF:35.8/32

Out: -150.776+/-79.873 χ^2/NDF:59.0/36

All: -75.767+/-56.198 χ^2/NDF: 96.5/69

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 320.636+/-0.064 χ^2/NDF:3044519.5/17

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 322.489+/-0.063 χ^2/NDF:1748900.6/16

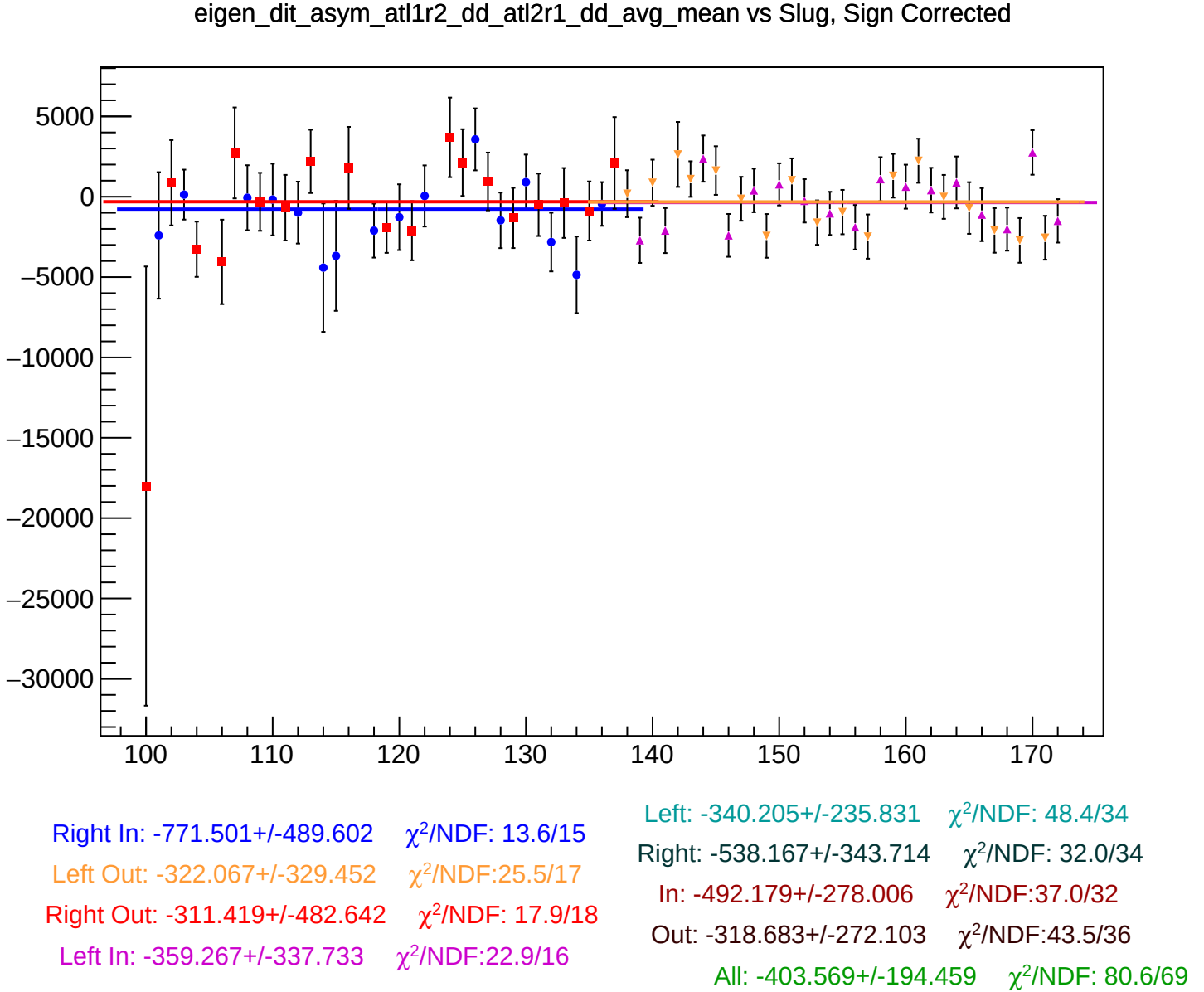
Left: 321.575+/-0.045 χ^2/NDF: 4793844.4/34

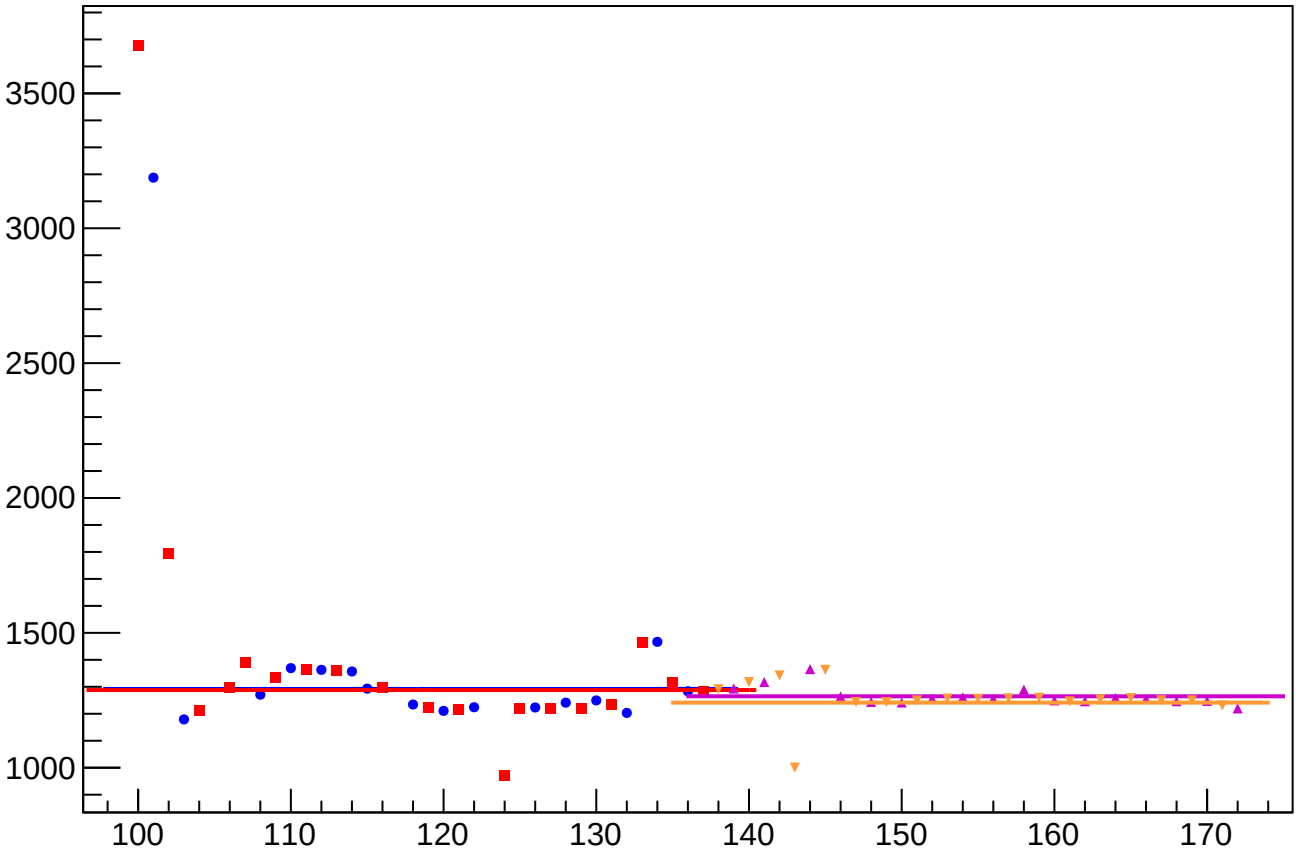
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 335.231+/-0.056 χ^2/NDF:6254743.0/32

Out: 334.824+/-0.056 χ^2/NDF:7826337.0/36

All: 335.030+/-0.040 χ^2/NDF: 14081106.3/69


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: -322.067+/-329.452 χ²/NDF:25.5/17
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -359.267+/-337.733 χ²/NDF:22.9/16
Left: -340.205+/-235.831 χ²/NDF: 48.4/34
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -492.179+/-278.006 χ²/NDF:37.0/32
Out: -318.683+/-272.103 χ²/NDF:43.5/36
All: -403.569+/-194.459 χ²/NDF: 80.6/69



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1241.374+/-0.233 χ^2/NDF:122421.5/17

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: 1252.805+/-0.167 χ^2/NDF: 146346.5/34

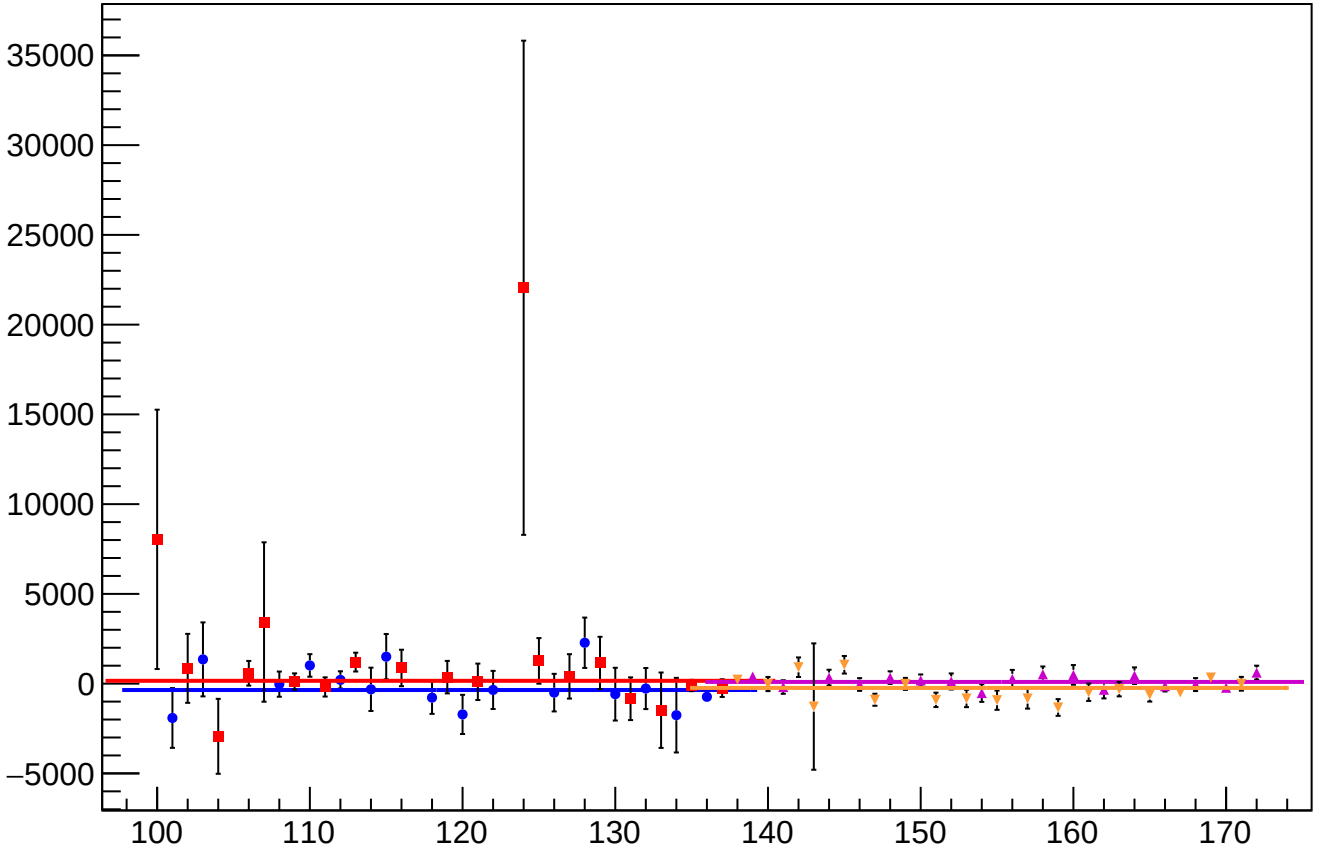
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1273.595+/-0.197 χ^2/NDF:532581.1/32

Out: 1256.190+/-0.192 χ^2/NDF:344357.0/36

All: 1264.706+/-0.138 χ^2/NDF: 880941.6/69

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: -238.681+/-90.534 χ^2/NDF:38.9/17

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: -69.482+/-63.592 χ^2/NDF: 57.6/34

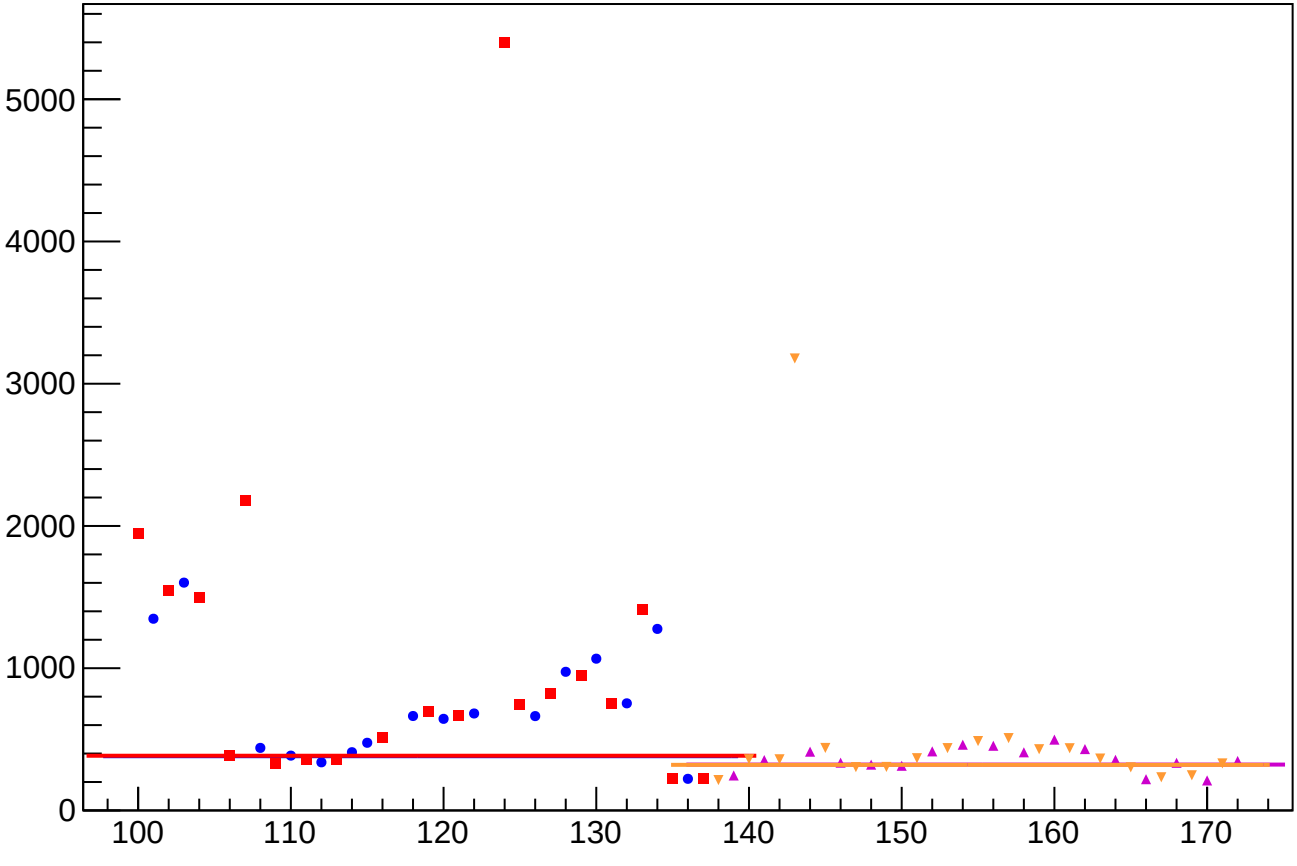
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -2.232+/-79.084 χ^2/NDF:35.8/32

Out: -150.782+/-79.874 χ^2/NDF:59.0/36

All: -75.769+/-56.198 χ^2/NDF: 96.5/69

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: 320.639+/-0.064 χ^2/NDF:3044395.0/17

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 322.490+/-0.063 χ^2/NDF:1748838.0/16

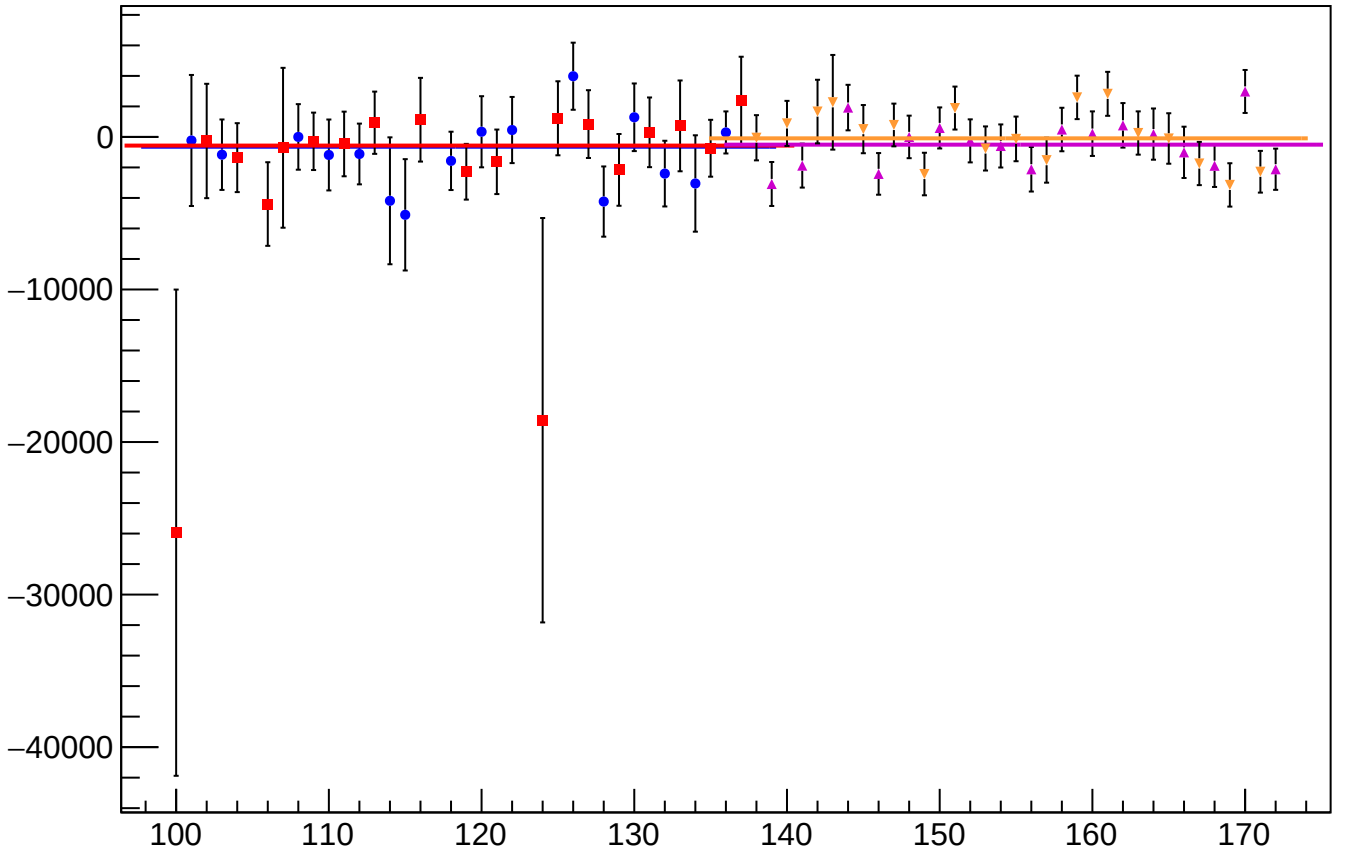
Left: 321.577+/-0.045 χ^2/NDF: 4793656.6/34

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 335.234+/-0.056 χ^2/NDF:6254544.8/32

Out: 334.828+/-0.056 χ^2/NDF:7826101.6/36

All: 335.033+/-0.040 χ^2/NDF: 14080672.6/69



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -92.225+/-354.767 χ^2/NDF:24.5/17

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: -302.621+/-248.900 χ^2/NDF: 46.2/34

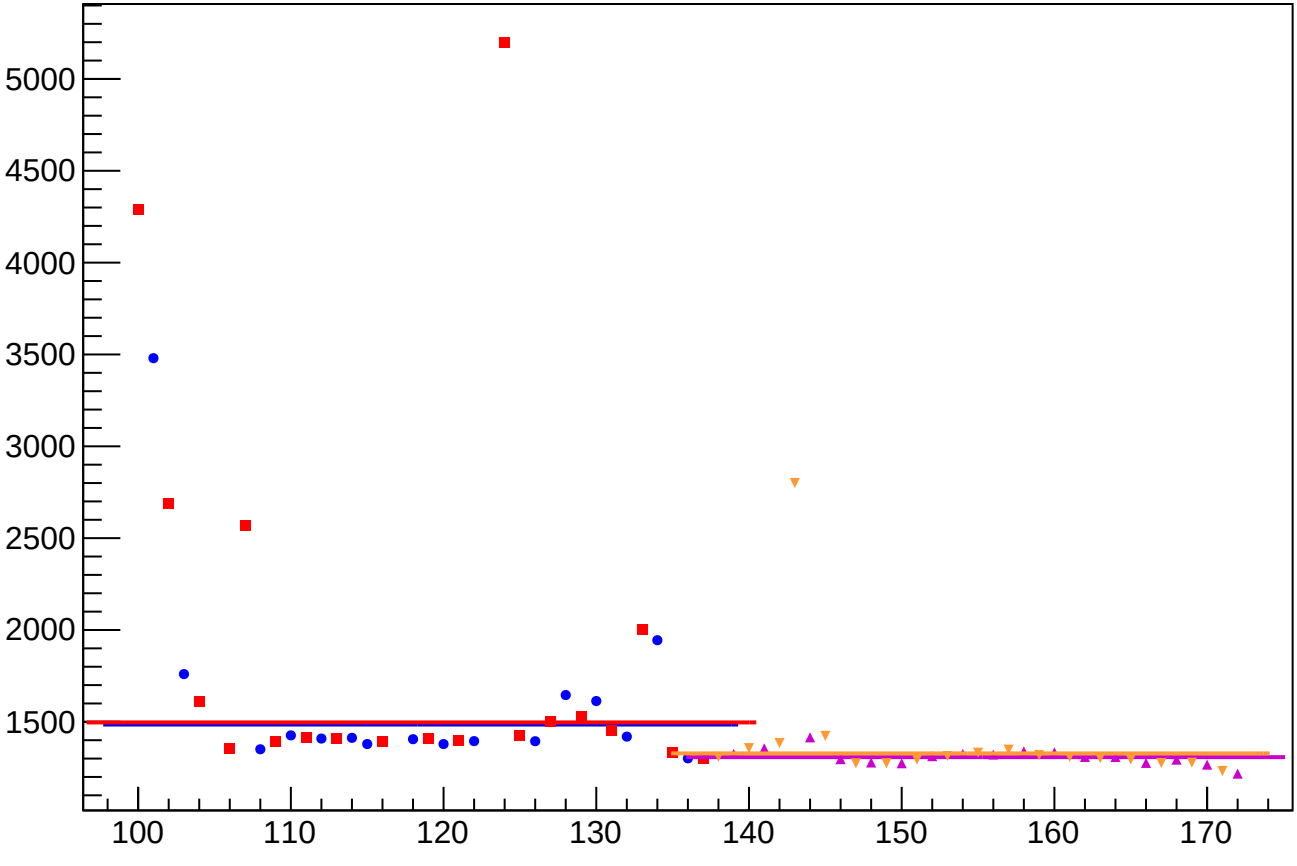
Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -543.754+/-297.008 χ^2/NDF:33.6/32

Out: -225.949+/-300.715 χ^2/NDF:36.3/36

All: -386.822+/-211.315 χ^2/NDF: 70.4/69

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug, Sign Corrected



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1328.132+/-0.251 χ^2/NDF:484424.1/17

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1307.845+/-0.247 χ^2/NDF:28689.9/16

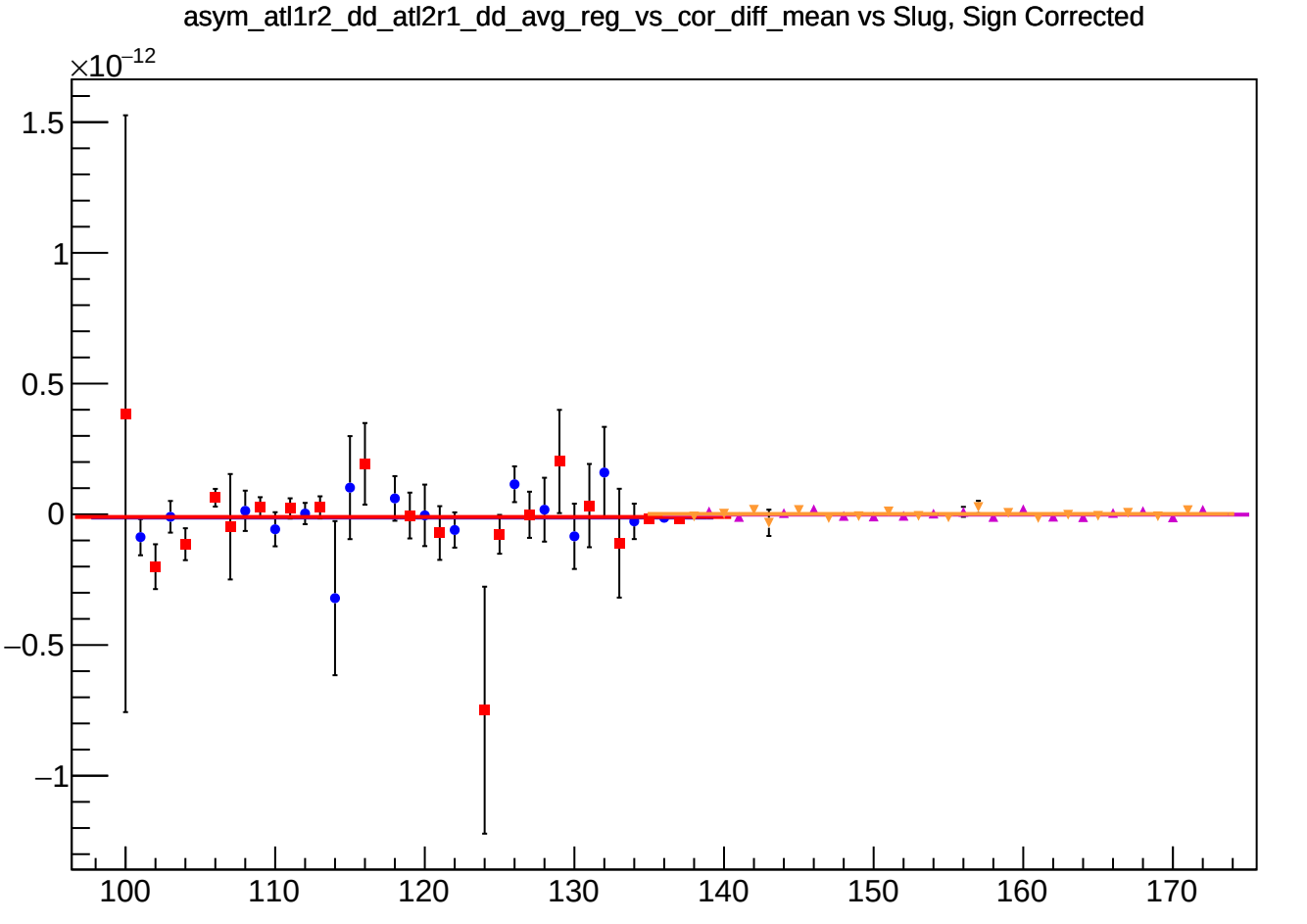
Left: 1317.830+/-0.176 χ^2/NDF: 516434.9/34

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1357.012+/-0.210 χ^2/NDF:756245.0/32

Out: 1375.632+/-0.213 χ^2/NDF:1235078.1/36

All: 1366.207+/-0.149 χ^2/NDF: 1995204.5/69



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.8/17

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:21.3/16

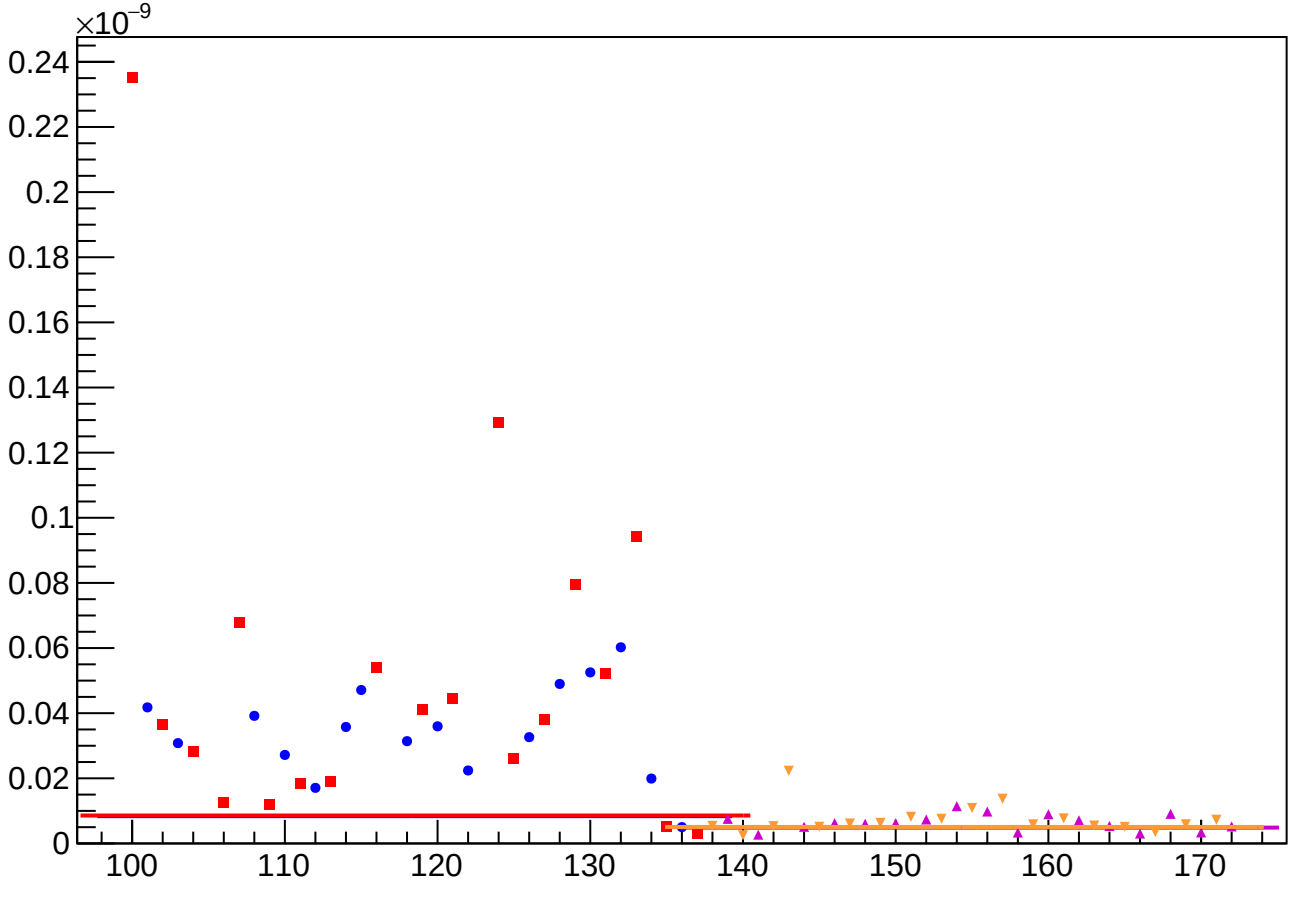
Left: 0.000+/-0.000 χ^2/NDF: 38.7/34

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:41.0/36

All: -0.000+/-0.000 χ^2/NDF: 74.5/69



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1835857.6/17

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: 3534729.1/34

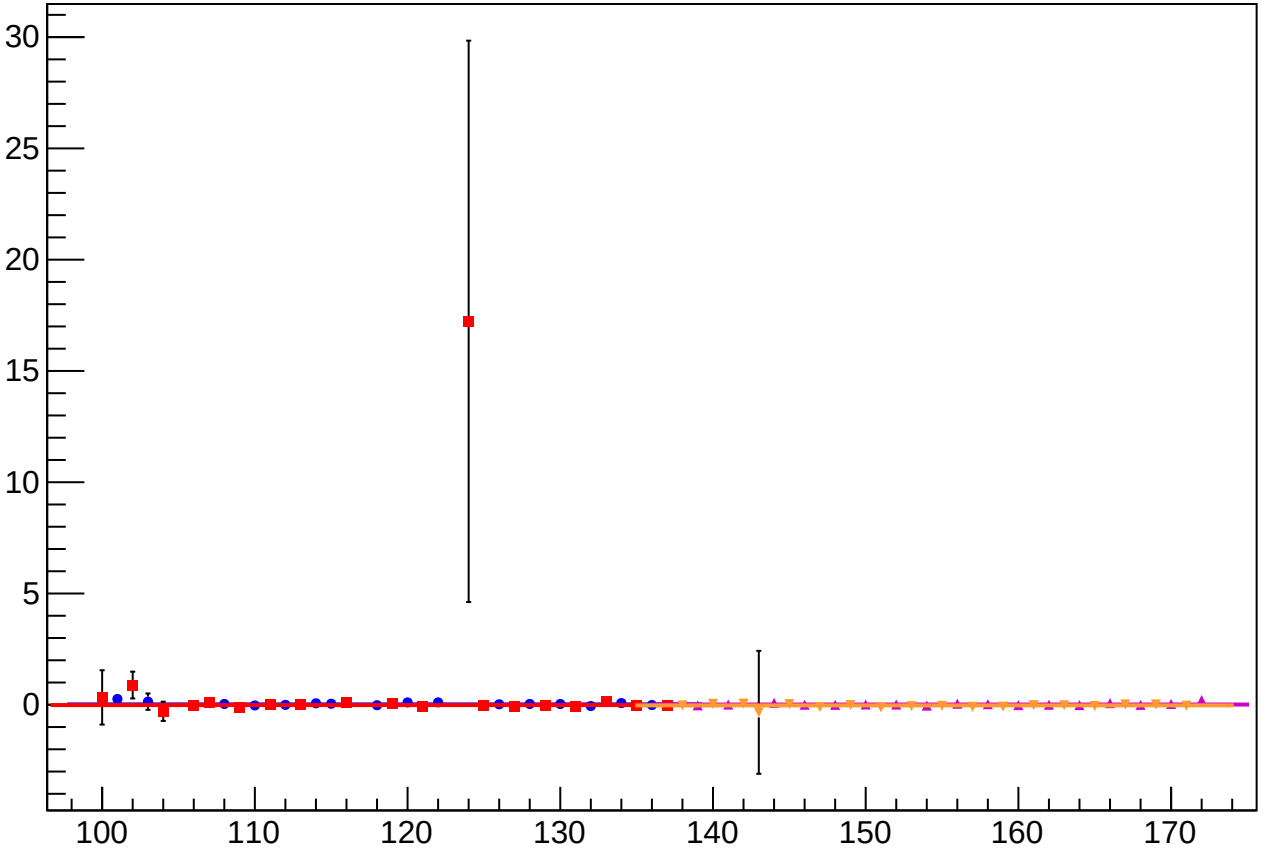
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5159830.8/32

Out: 0.000+/-0.000 χ^2/NDF:5537997.6/36

All: 0.000+/-0.000 χ^2/NDF: 10704039.2/69

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:23.4/17

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: 42.3/34

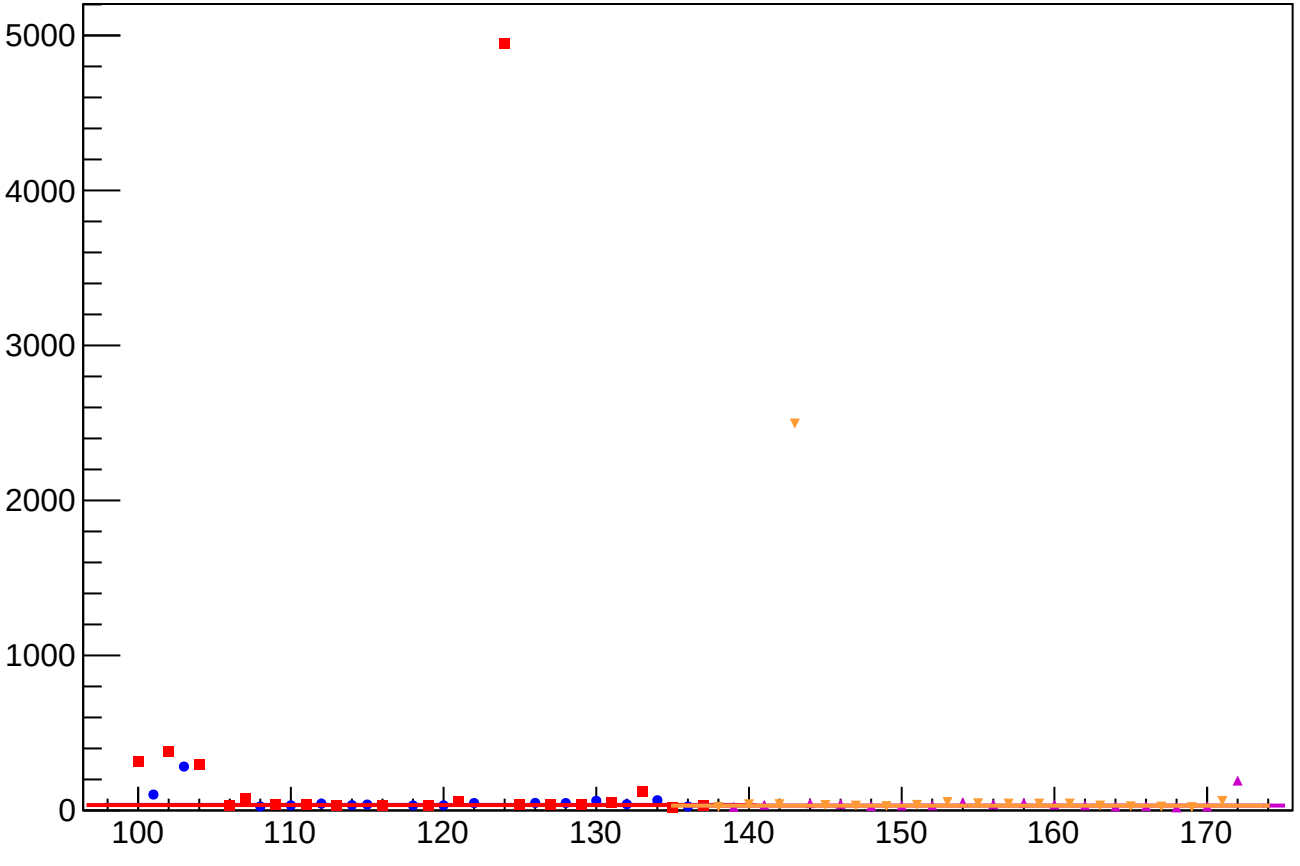
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/32

Out: -0.024+/-0.008 χ^2/NDF:40.0/36

All: -0.005+/-0.006 χ^2/NDF: 72.3/69

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: 31.047+/-0.007 χ^2/NDF:3388970.2/17

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: 31.262+/-0.005 χ^2/NDF: 6186039.6/34

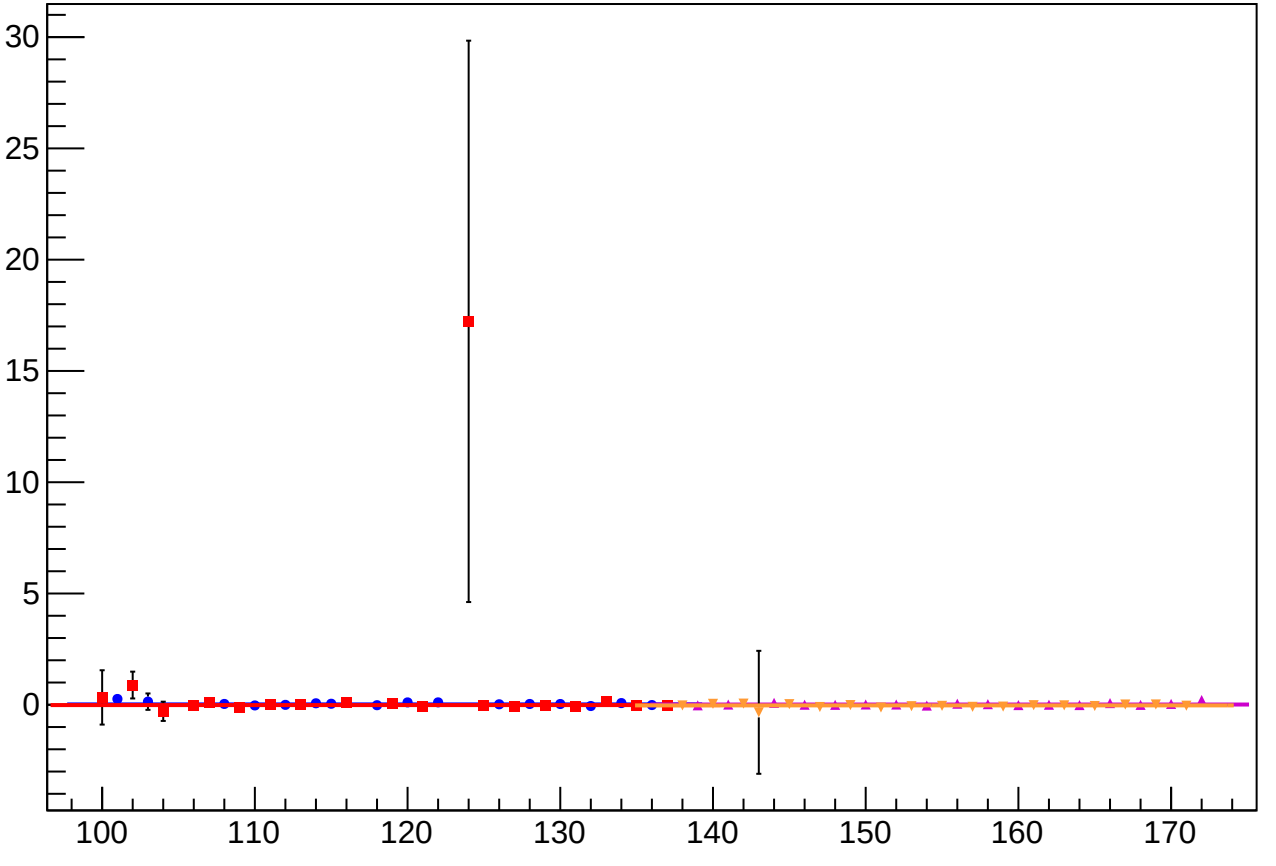
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.653+/-0.006 χ^2/NDF:5170259.7/32

Out: 32.068+/-0.006 χ^2/NDF:6387003.5/36

All: 32.362+/-0.004 χ^2/NDF: 11562446.4/69

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:23.4/17

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: 42.3/34

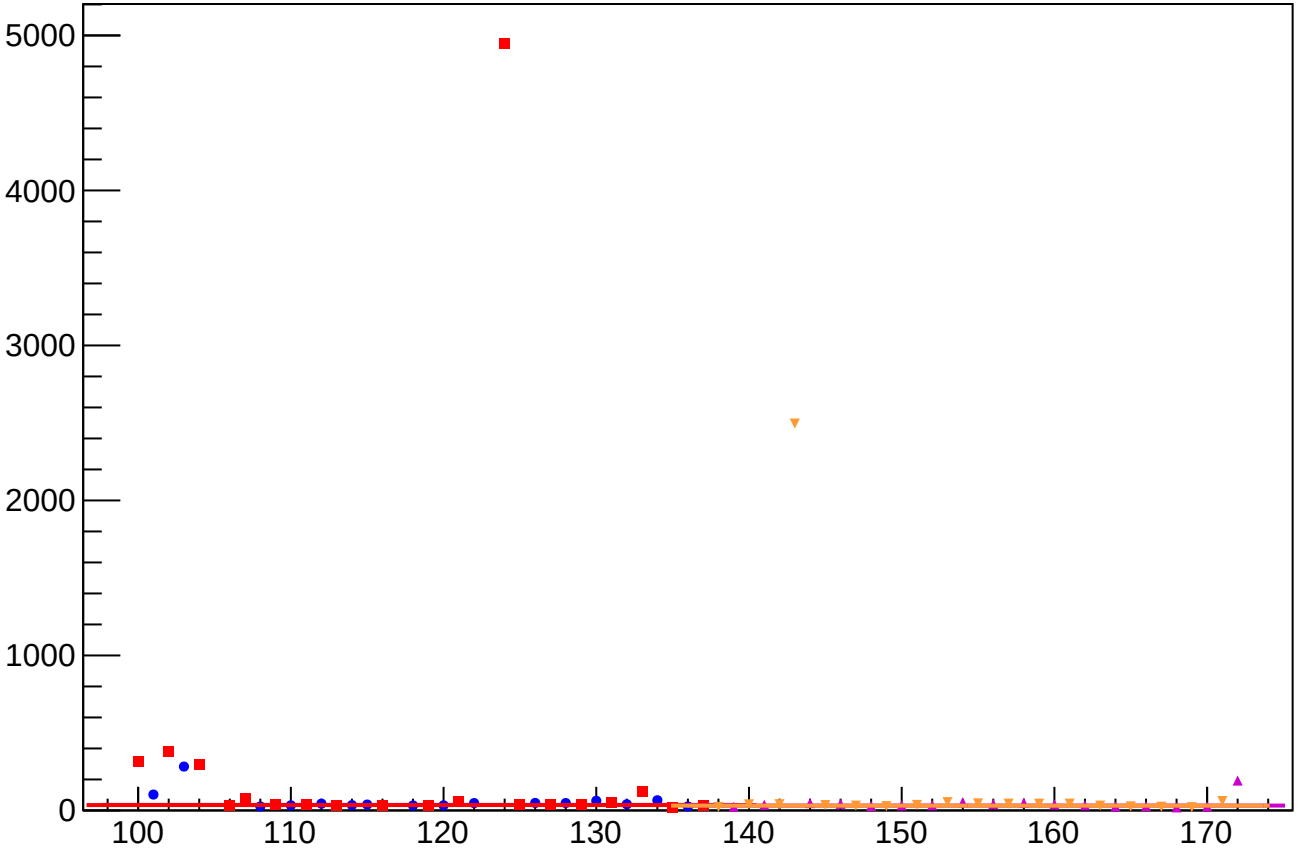
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/32

Out: -0.024+/-0.008 χ^2/NDF:40.0/36

All: -0.005+/-0.006 χ^2/NDF: 72.3/69

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: 31.047+/-0.007 χ^2/NDF:3388970.2/17

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.477+/-0.007 χ^2/NDF:2795037.4/16

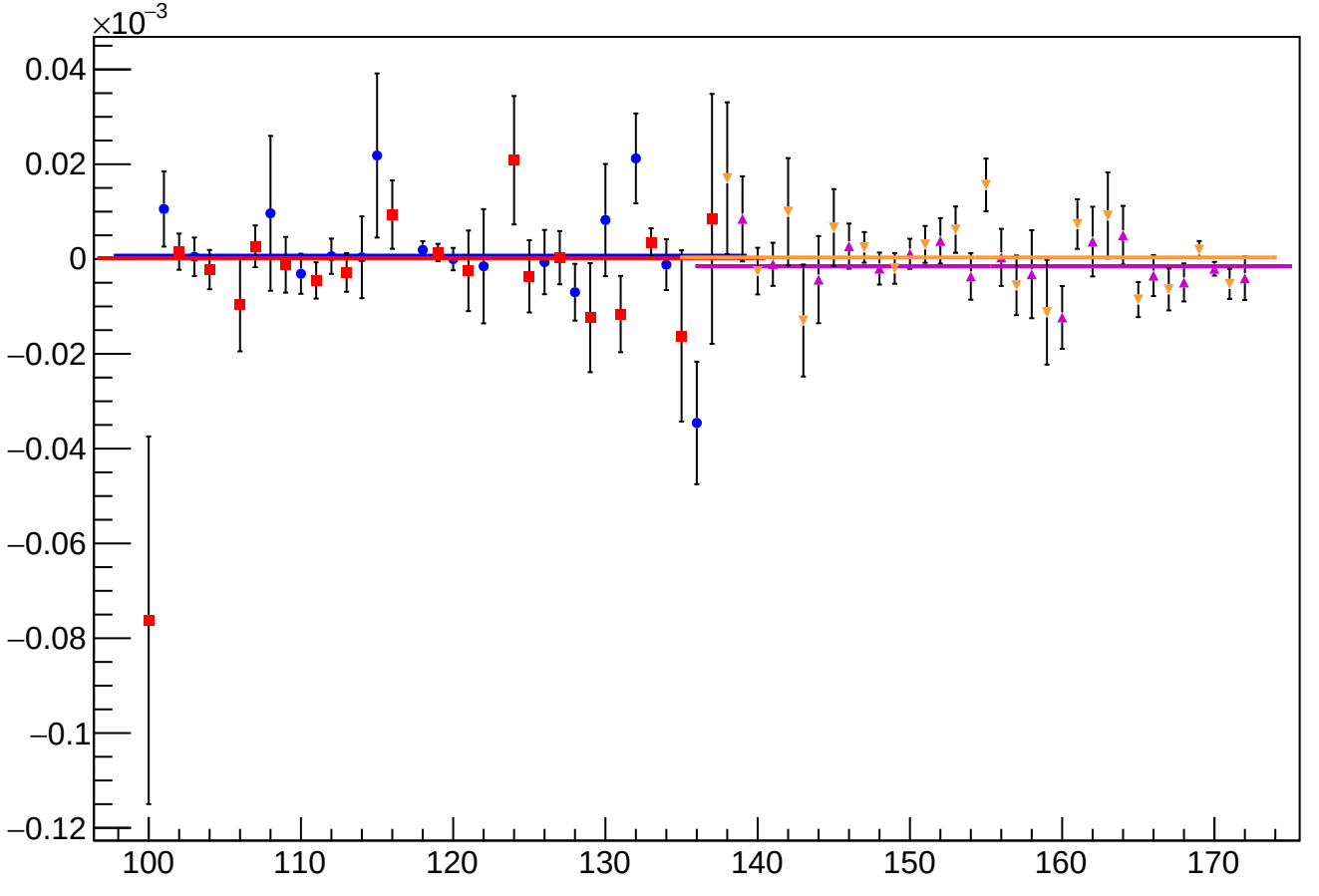
Left: 31.262+/-0.005 χ^2/NDF: 6186039.6/34

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.653+/-0.006 χ^2/NDF:5170259.7/32

Out: 32.068+/-0.006 χ^2/NDF:6387003.5/36

All: 32.362+/-0.004 χ^2/NDF: 11562446.4/69



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/17

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: 43.1/34

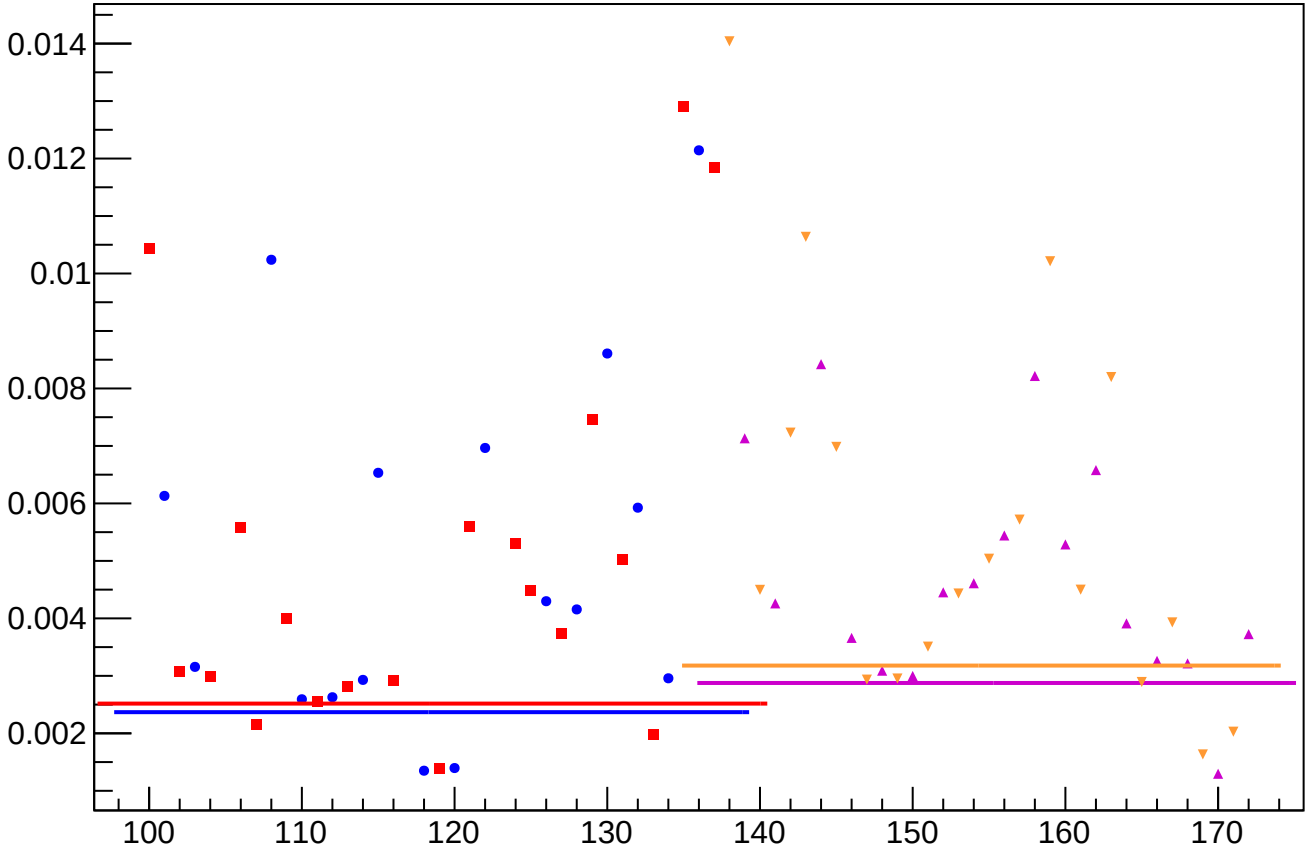
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:31.5/32

Out: 0.000+/-0.000 χ^2/NDF:49.3/36

All: -0.000+/-0.000 χ^2/NDF: 81.5/69

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:6587816.3/17

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: 12925680.7/34

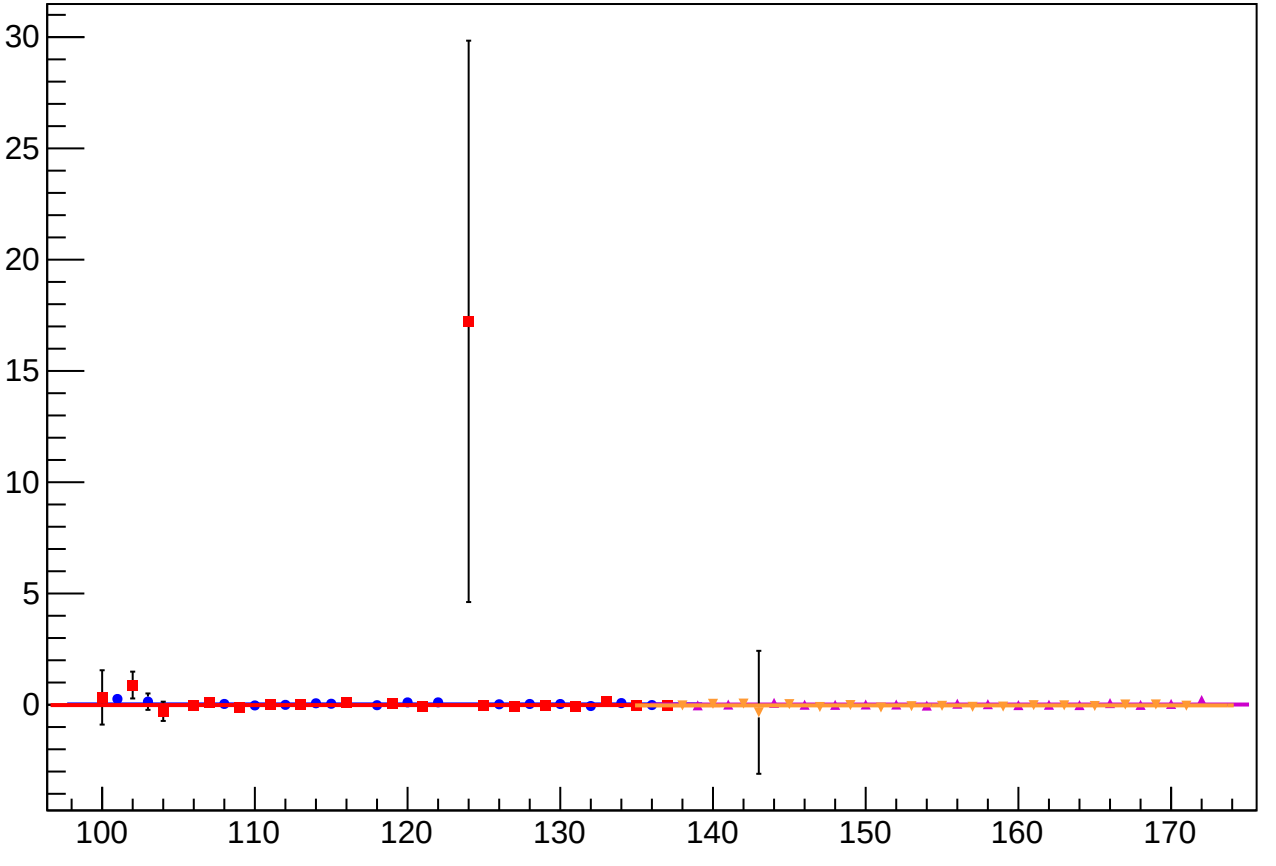
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:11206645.1/32

Out: 0.003+/-0.000 χ^2/NDF:10398152.6/36

All: 0.003+/-0.000 χ^2/NDF: 21687166.0/69

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:23.4/17

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: 42.3/34

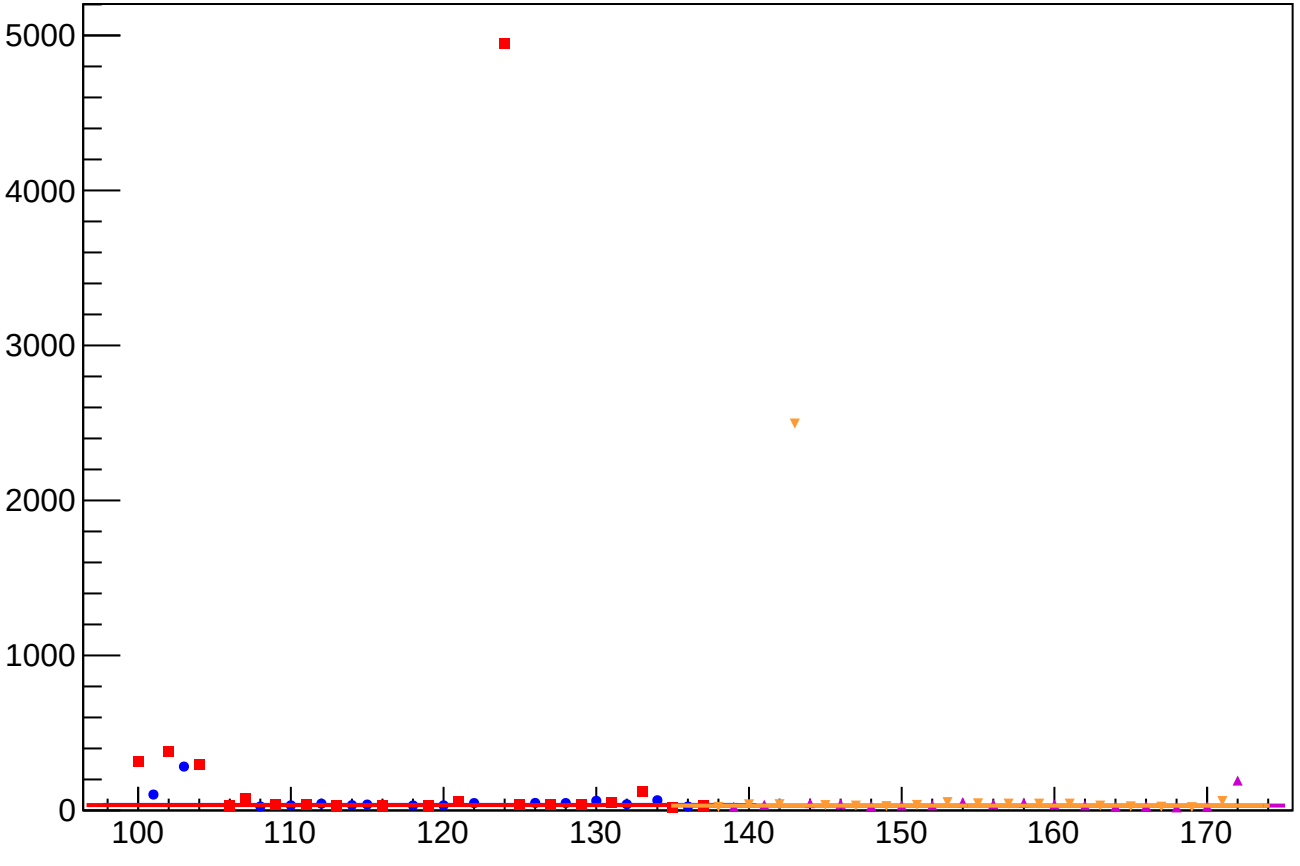
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/32

Out: -0.024+/-0.008 χ^2/NDF:40.0/36

All: -0.005+/-0.006 χ^2/NDF: 72.3/69

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: 31.046+/-0.007 χ^2/NDF:3389231.6/17

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: 31.261+/-0.005 χ^2/NDF: 6186856.1/34

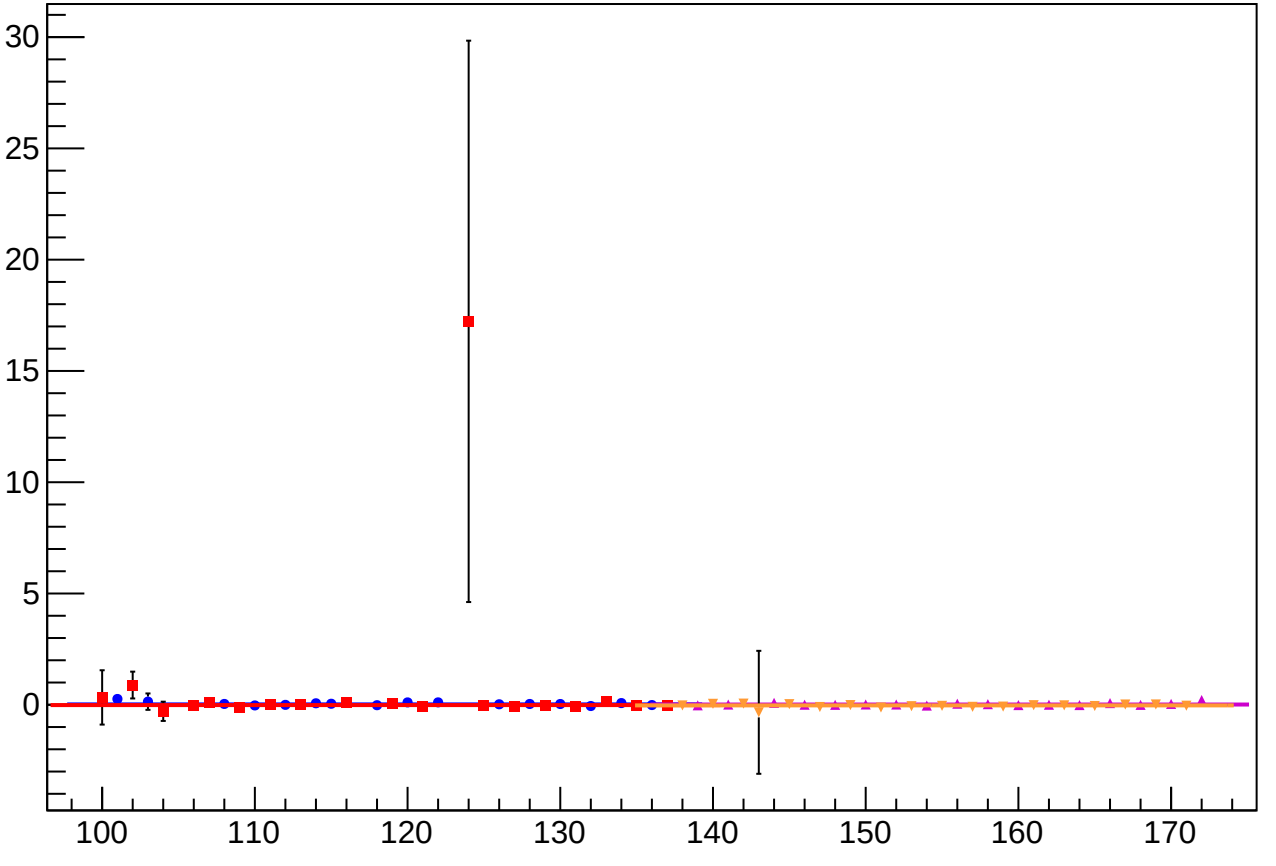
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 32.652+/-0.006 χ^2/NDF:5170689.4/32

Out: 32.068+/-0.006 χ^2/NDF:6387139.5/36

All: 32.361+/-0.004 χ^2/NDF: 11563000.5/69

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:23.4/17

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: 42.3/34

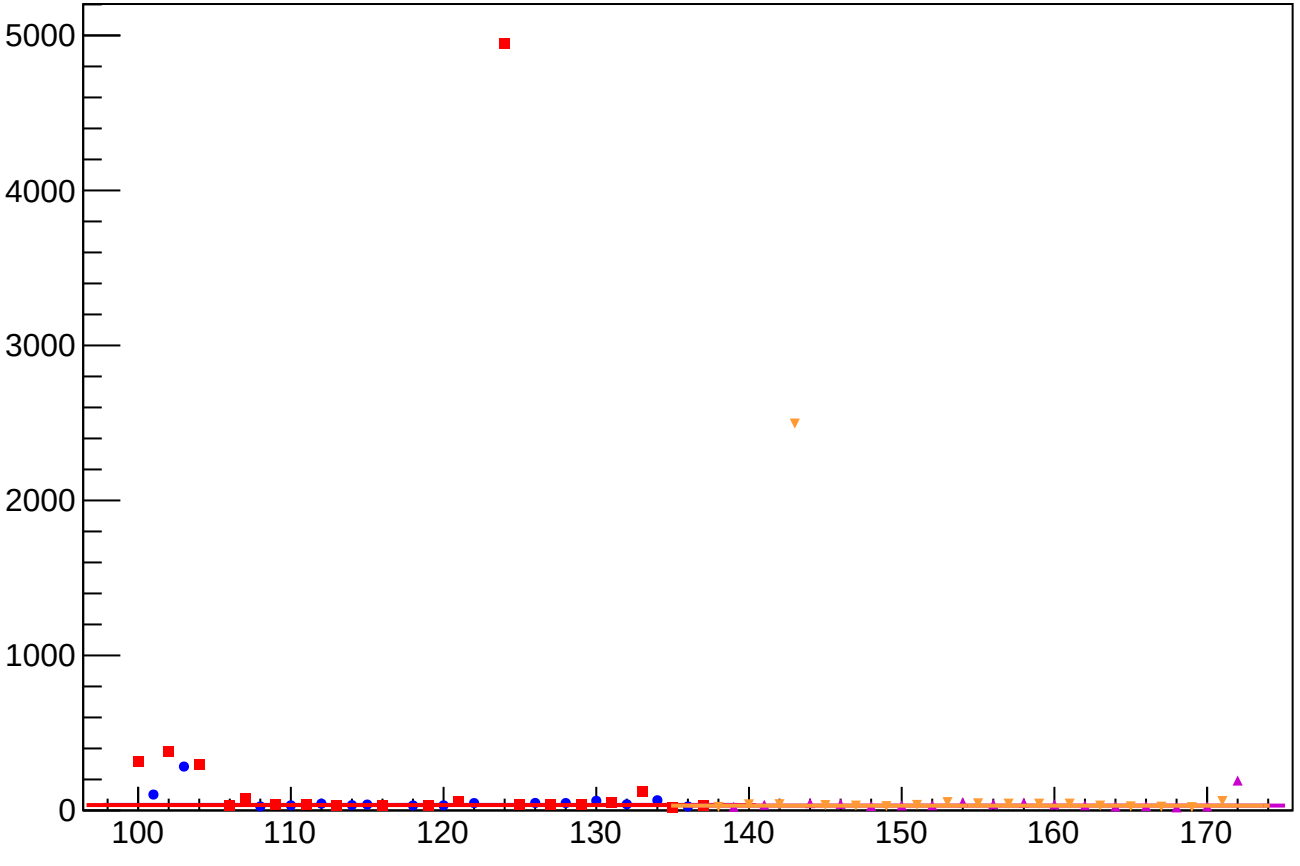
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/32

Out: -0.024+/-0.008 χ^2/NDF:40.0/36

All: -0.005+/-0.006 χ^2/NDF: 72.3/69

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: 31.046+/-0.007 χ^2/NDF:3389231.6/17

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.475+/-0.007 χ^2/NDF:2795602.4/16

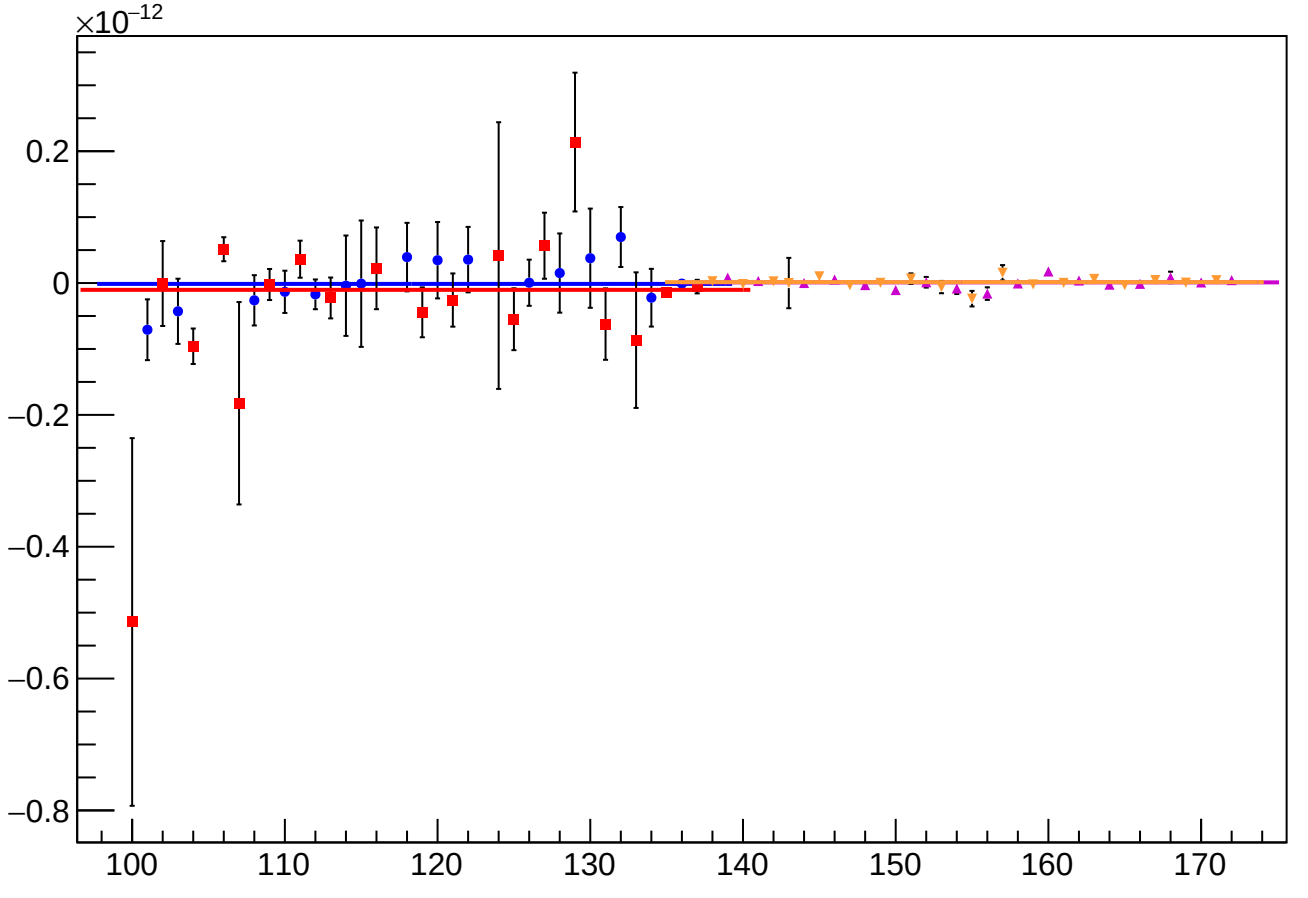
Left: 31.261+/-0.005 χ^2/NDF: 6186856.1/34

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 32.652+/-0.006 χ^2/NDF:5170689.4/32

Out: 32.068+/-0.006 χ^2/NDF:6387139.5/36

All: 32.361+/-0.004 χ^2/NDF: 11563000.5/69



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.0/17

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: 32.0/34

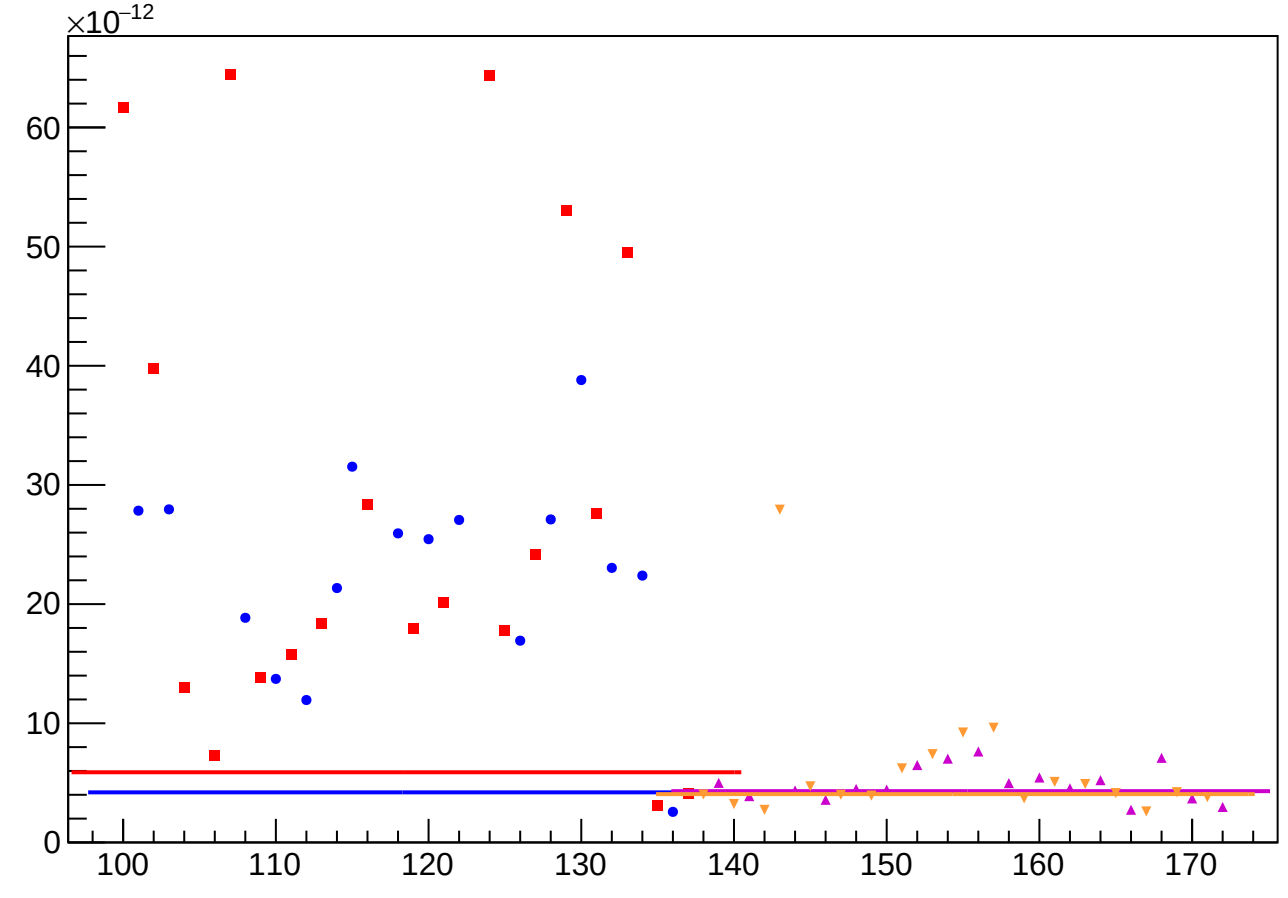
Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:28.0/32

Out: 0.000+/-0.000 χ^2/NDF:60.0/36

All: 0.000+/-0.000 χ^2/NDF: 88.0/69

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:2663781.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1493959.3/16

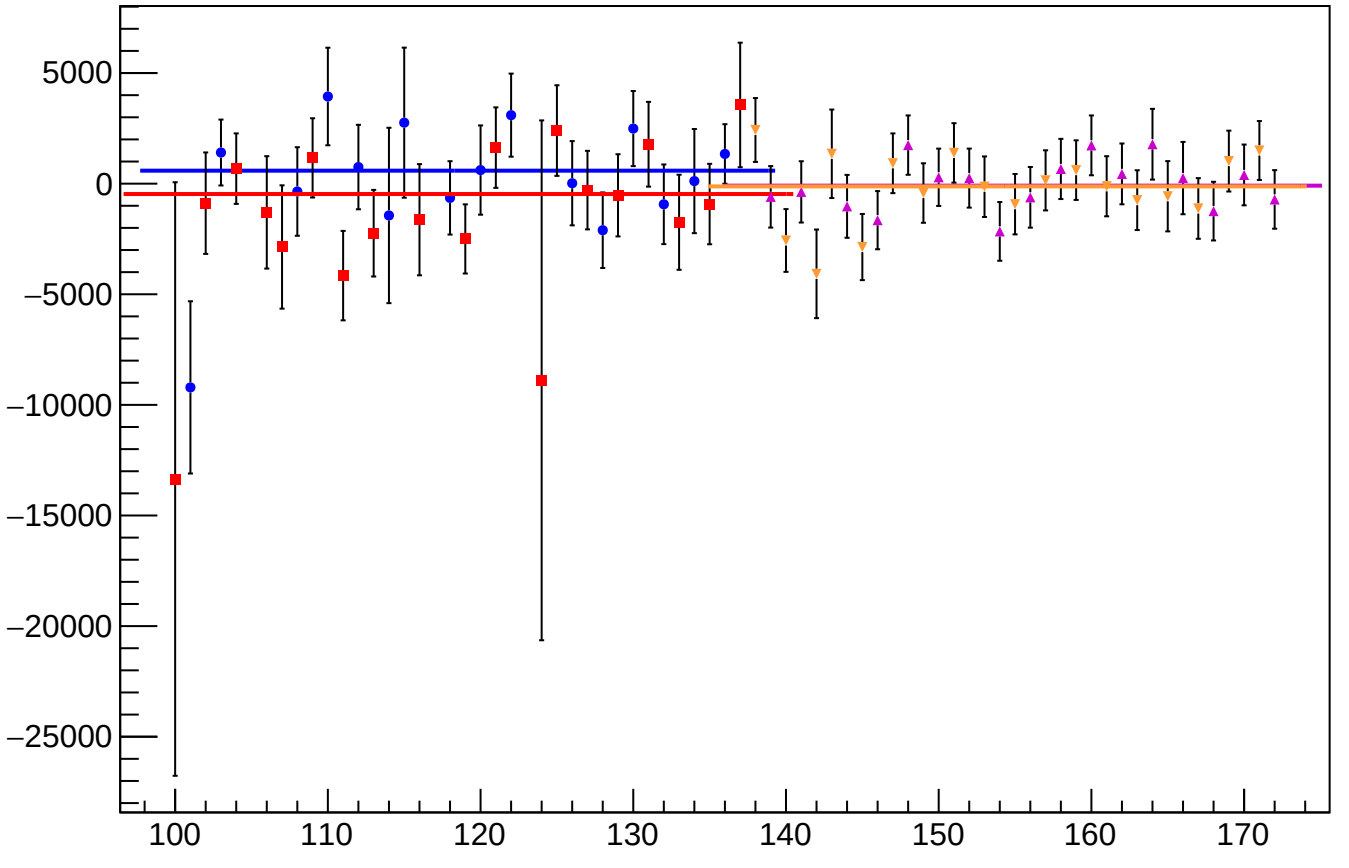
Left: 0.000+/-0.000 χ^2/NDF: 4189186.9/34

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:7871570.2/36

All: 0.000+/-0.000 χ^2/NDF: 14448739.8/69



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -123.603+/-336.112 χ^2/NDF:19.5/17

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -90.575+/-333.783 χ^2/NDF:11.4/16

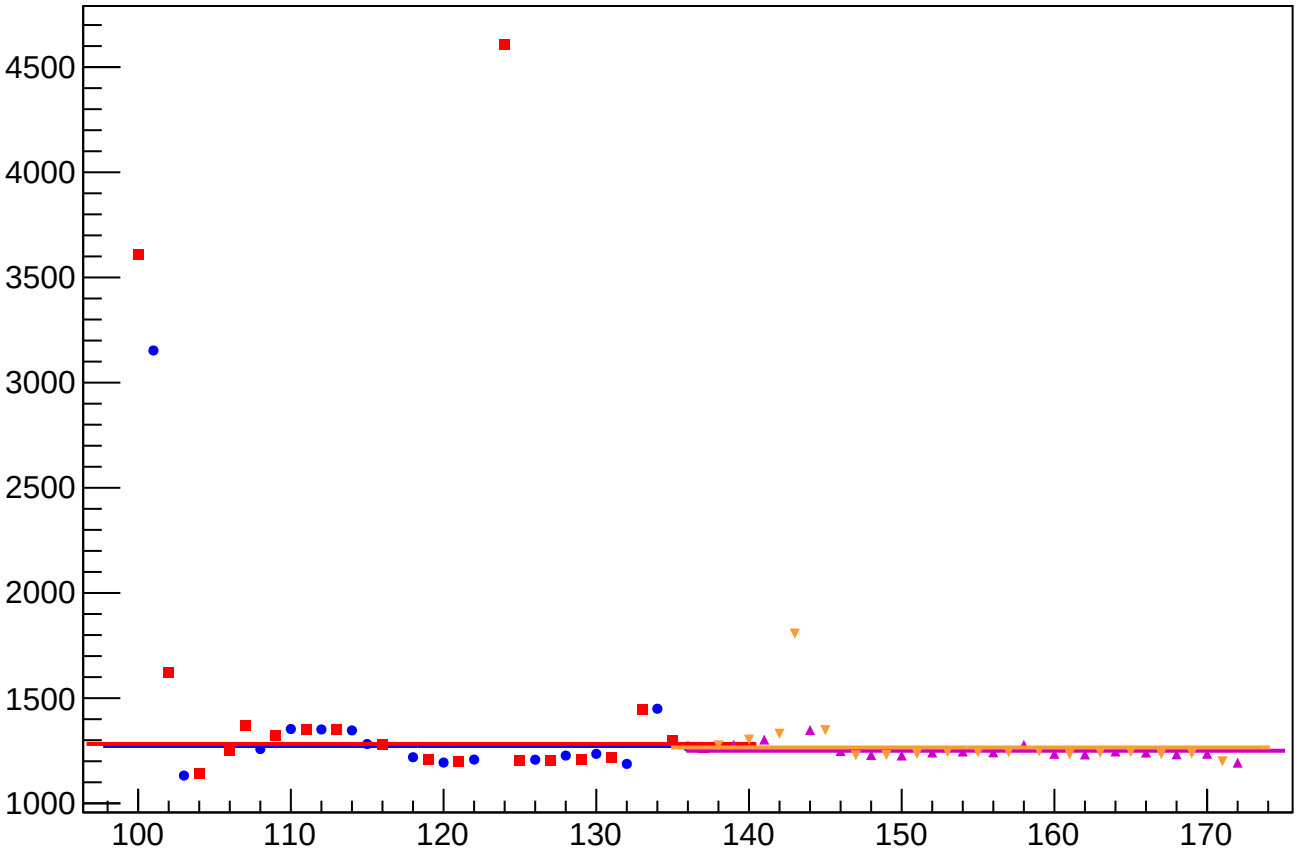
Left: -106.974+/-236.839 χ^2/NDF: 30.9/34

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 128.752+/-274.489 χ^2/NDF:29.8/32

Out: -237.081+/-275.421 χ^2/NDF:36.7/36

All: -53.545+/-194.422 χ^2/NDF: 67.4/69



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1265.405+/-0.238 χ^2/NDF:171106.9/17

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1250.015+/-0.236 χ^2/NDF:20248.3/16

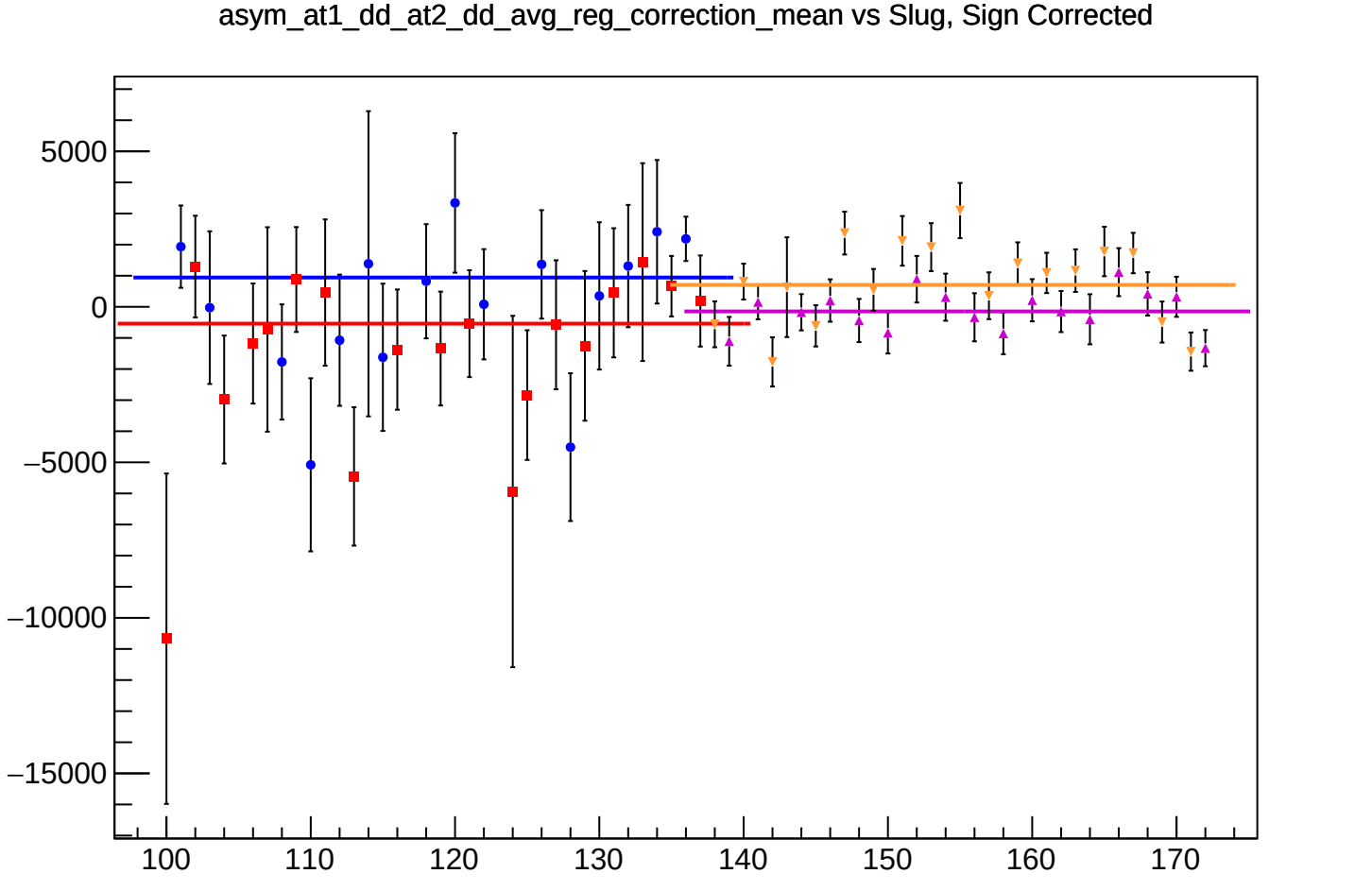
Left: 1257.657+/-0.167 χ^2/NDF: 193466.2/34

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

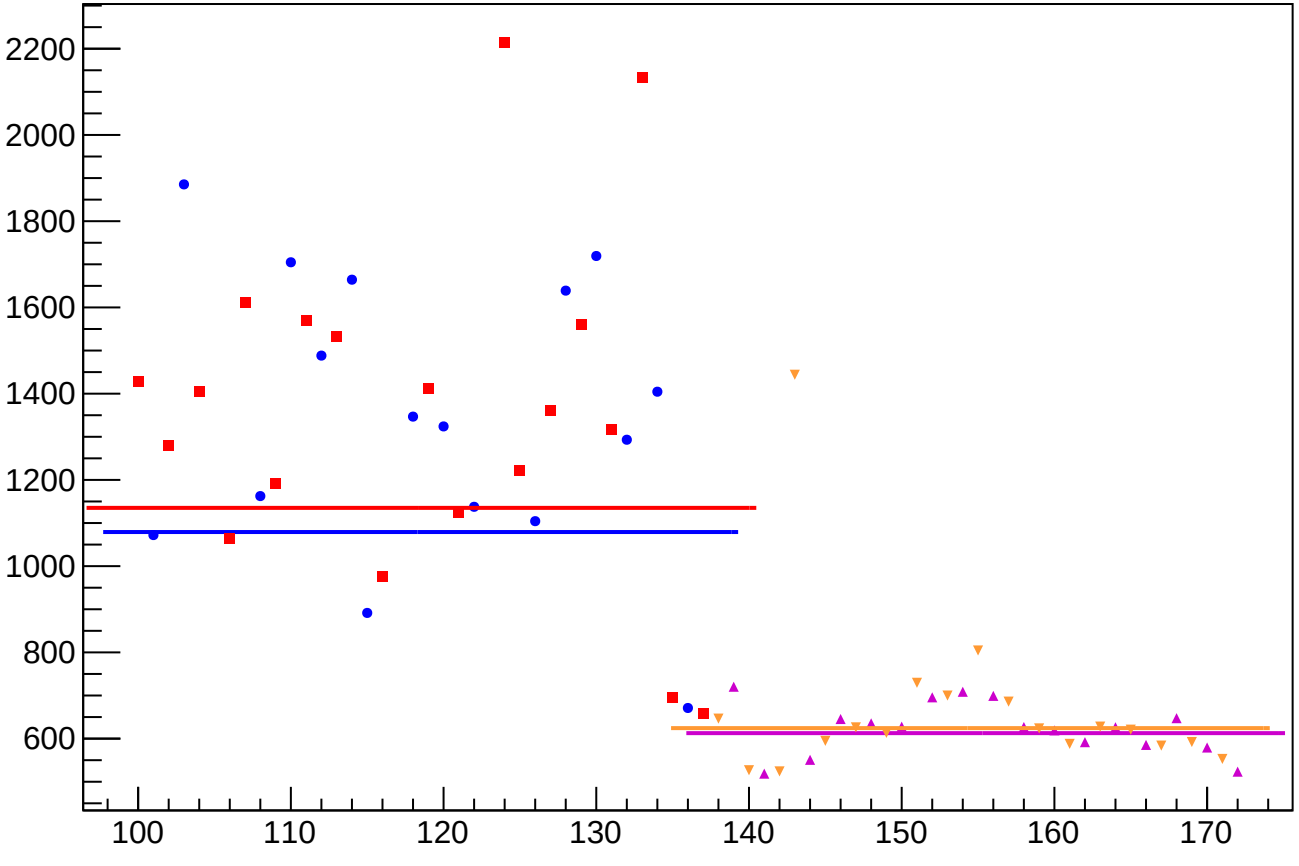
In: 1257.393+/-0.194 χ^2/NDF:542564.6/32

Out: 1270.977+/-0.195 χ^2/NDF:494858.5/36

All: 1264.162+/-0.137 χ^2/NDF: 1039863.9/69


asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 941.759+/-425.837 χ²/NDF: 19.9/15
Left Out: 704.776+/-168.260 χ²/NDF:57.3/17
Right Out: -540.622+/-439.905 χ²/NDF: 17.2/18
Left In: -148.040+/-164.697 χ²/NDF:15.1/16
Left: 269.243+/-117.698 χ²/NDF: 85.6/34
Right: 224.651+/-305.965 χ²/NDF: 42.9/34
In: -6.235+/-153.609 χ²/NDF:40.7/32
Out: 545.828+/-157.157 χ²/NDF:81.5/36
All: 263.495+/-109.851 χ²/NDF: 128.5/69

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: 624.370+/-0.119 χ^2/NDF:813716.4/17

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 612.733+/-0.116 χ^2/NDF:270769.5/16

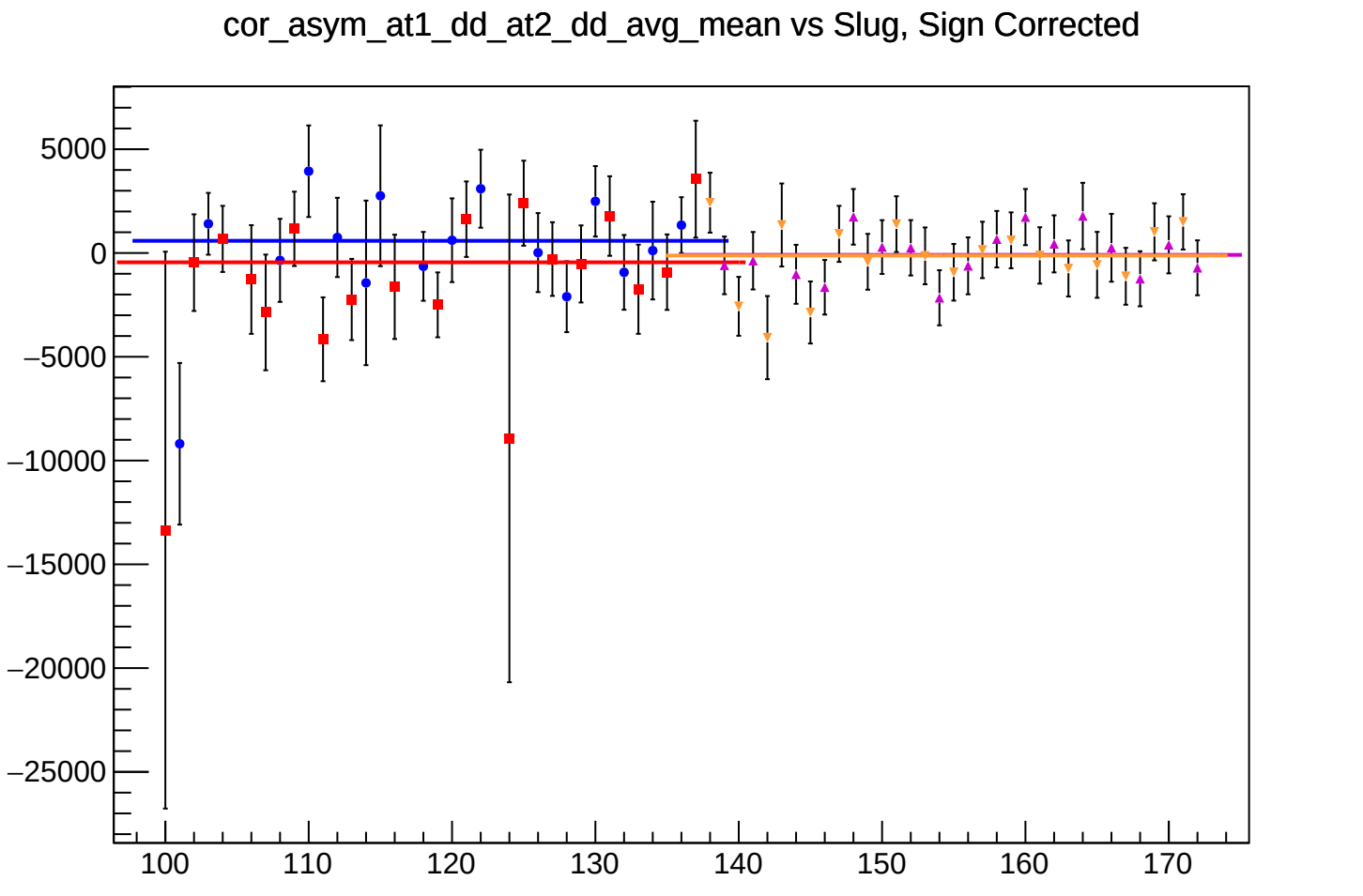
Left: 618.427+/-0.083 χ^2/NDF: 1089371.2/34

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 673.419+/-0.109 χ^2/NDF:3839870.1/32

Out: 689.561+/-0.111 χ^2/NDF:4459142.8/36

All: 681.306+/-0.078 χ^2/NDF: 8309803.1/69



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -123.668+/-336.112 χ^2/NDF:19.5/17

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -90.626+/-333.783 χ^2/NDF:11.4/16

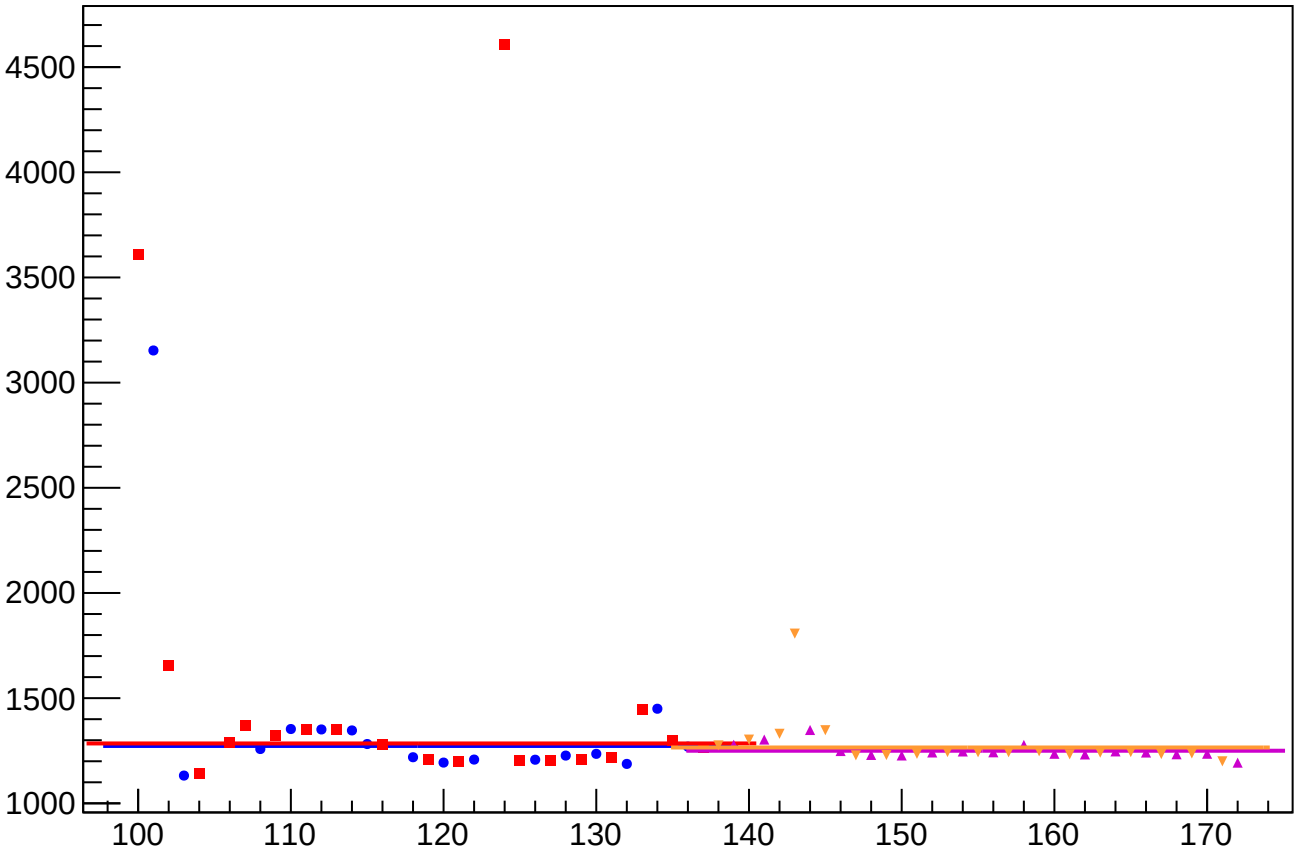
Left: -107.032+/-236.839 χ^2/NDF: 30.9/34

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 128.820+/-274.489 χ^2/NDF:29.8/32

Out: -230.114+/-275.574 χ^2/NDF:36.6/36

All: -49.939+/-194.476 χ^2/NDF: 67.2/69



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1265.405+/-0.238 χ^2/NDF:171106.8/17

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1250.015+/-0.236 χ^2/NDF:20248.3/16

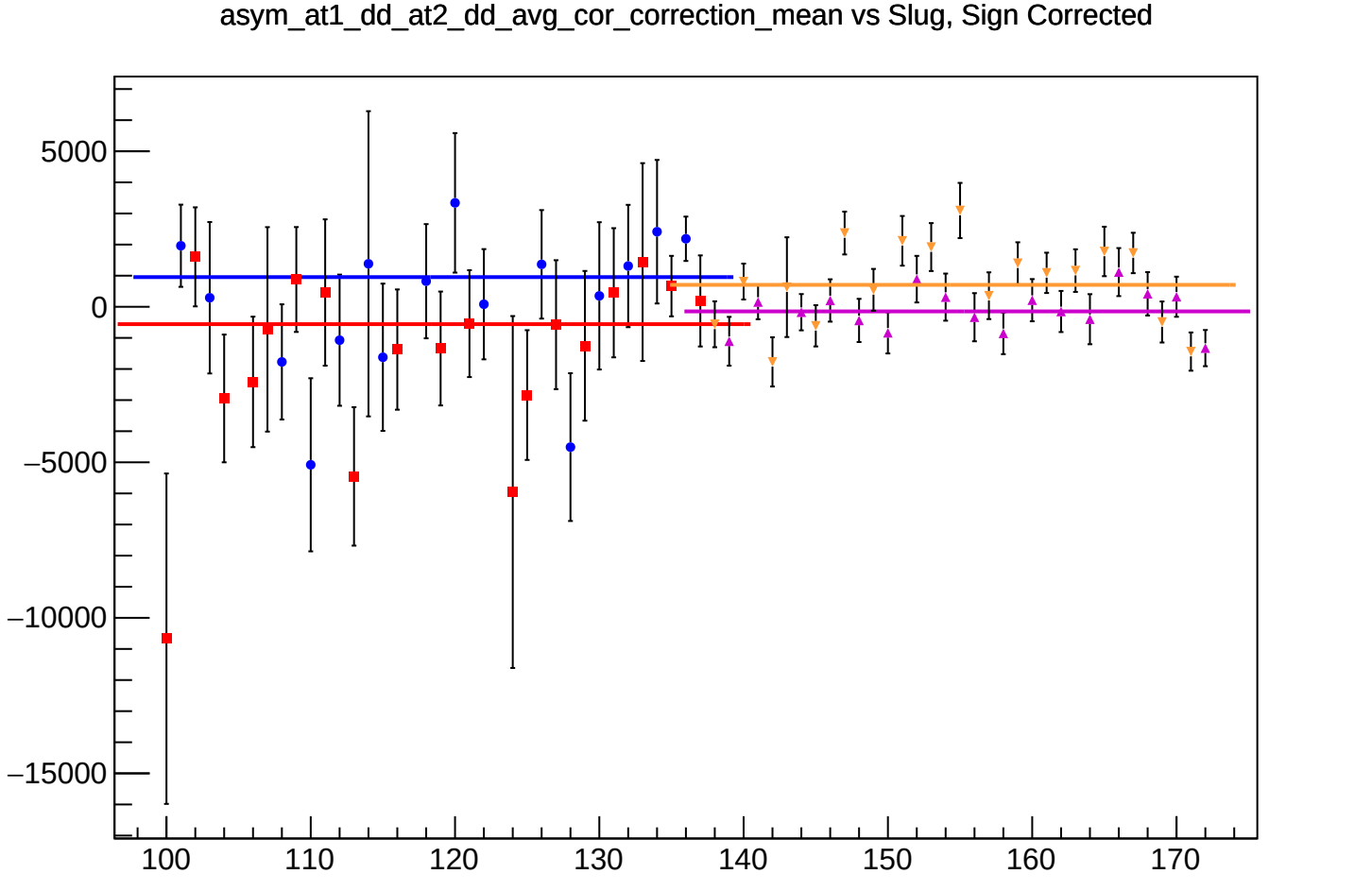
Left: 1257.657+/-0.167 χ^2/NDF: 193466.2/34

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1257.393+/-0.194 χ^2/NDF:542565.9/32

Out: 1271.715+/-0.195 χ^2/NDF:501992.0/36

All: 1264.525+/-0.138 χ^2/NDF: 1047269.6/69



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 704.769+/-168.261 χ^2/NDF:57.3/17

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: 269.243+/-117.698 χ^2/NDF: 85.6/34

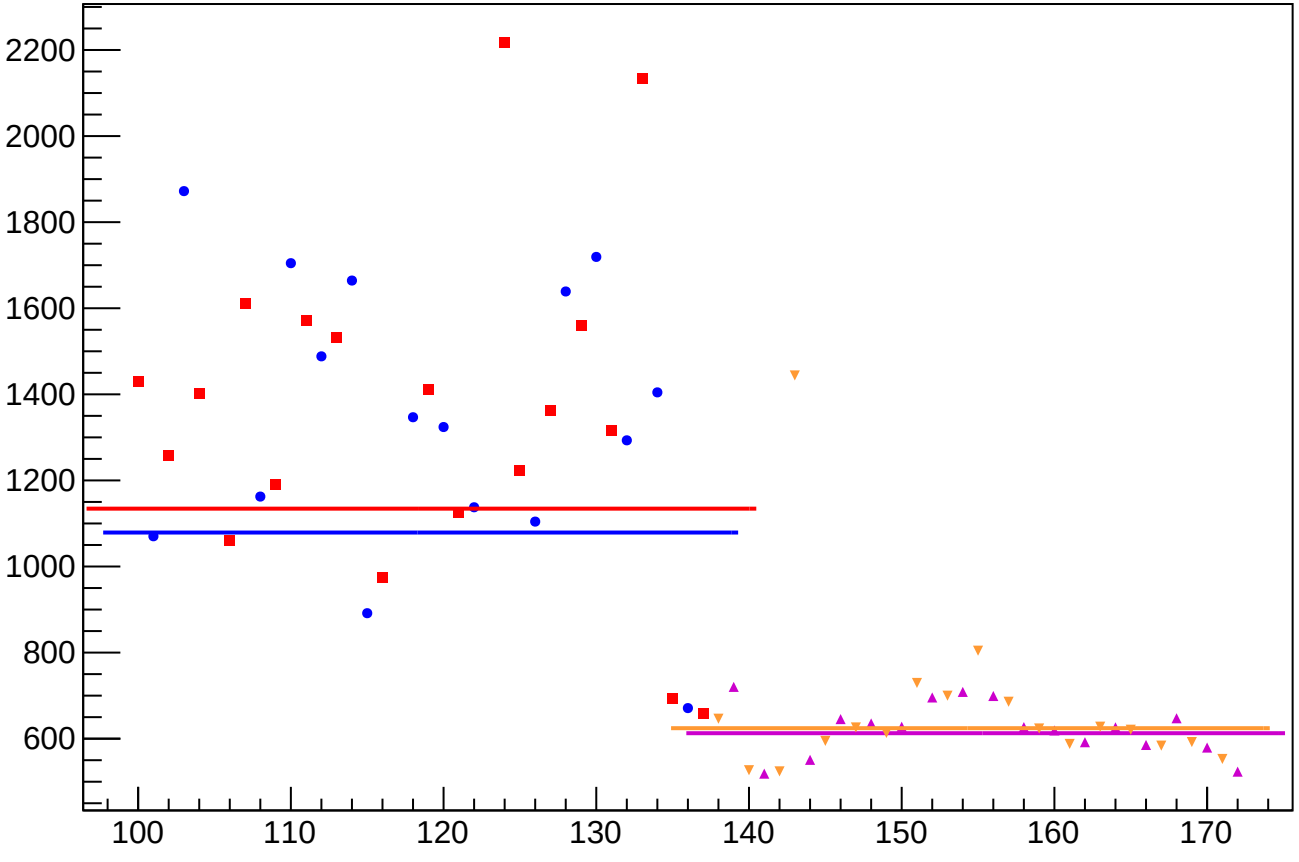
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -4.508+/-153.600 χ^2/NDF:40.8/32

Out: 544.154+/-157.196 χ^2/NDF:82.9/36

All: 263.475+/-109.861 χ^2/NDF: 129.9/69

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: 624.375+/-0.119 χ^2/NDF:813628.8/17

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 612.730+/-0.116 χ^2/NDF:270782.3/16

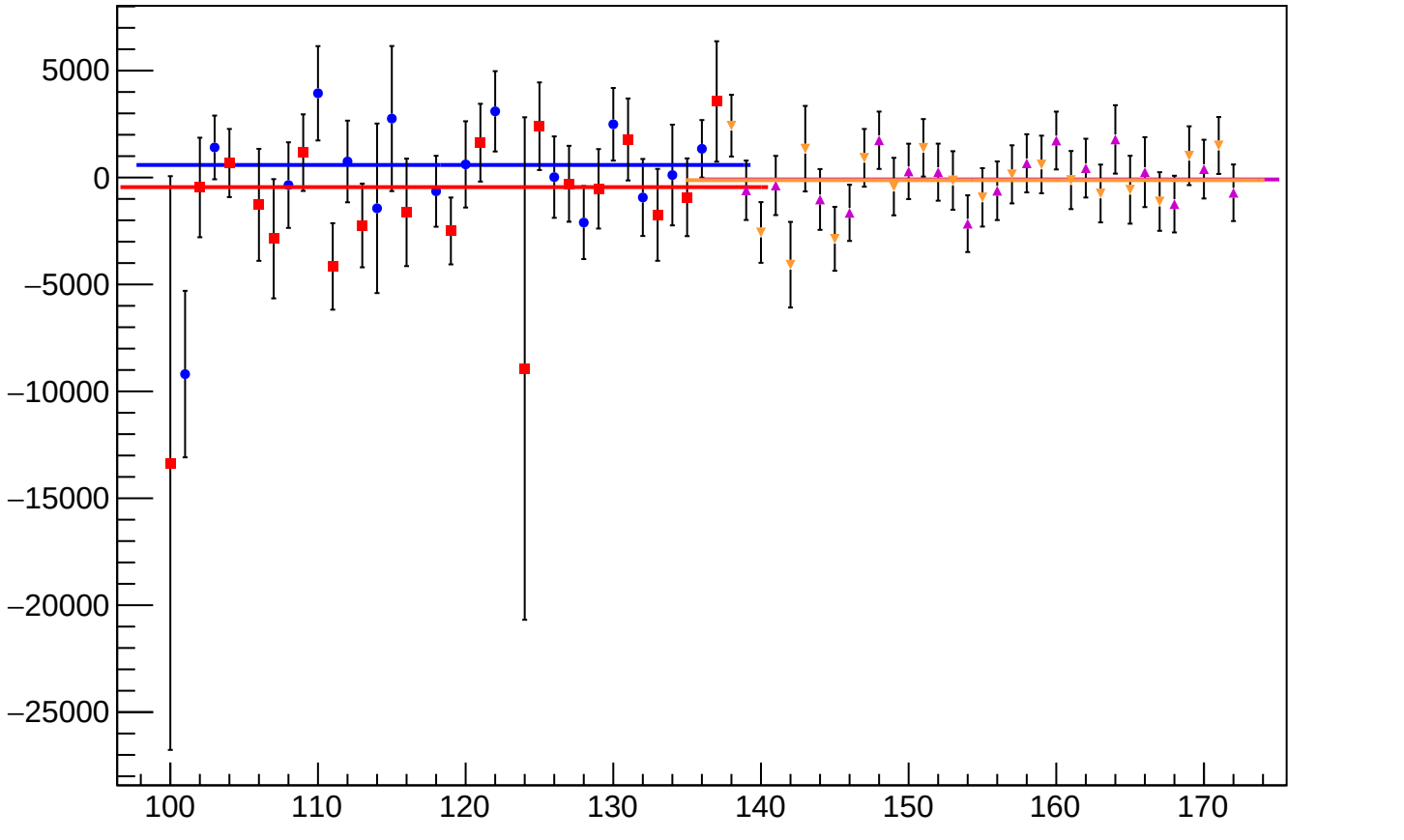
Left: 618.428+/-0.083 χ^2/NDF: 1089302.8/34

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 673.436+/-0.109 χ^2/NDF:3836218.9/32

Out: 689.253+/-0.111 χ^2/NDF:4440158.8/36

All: 681.162+/-0.078 χ^2/NDF: 8286736.1/69



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -123.668+/-336.112 χ^2/NDF:19.5/17

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -90.626+/-333.783 χ^2/NDF:11.4/16

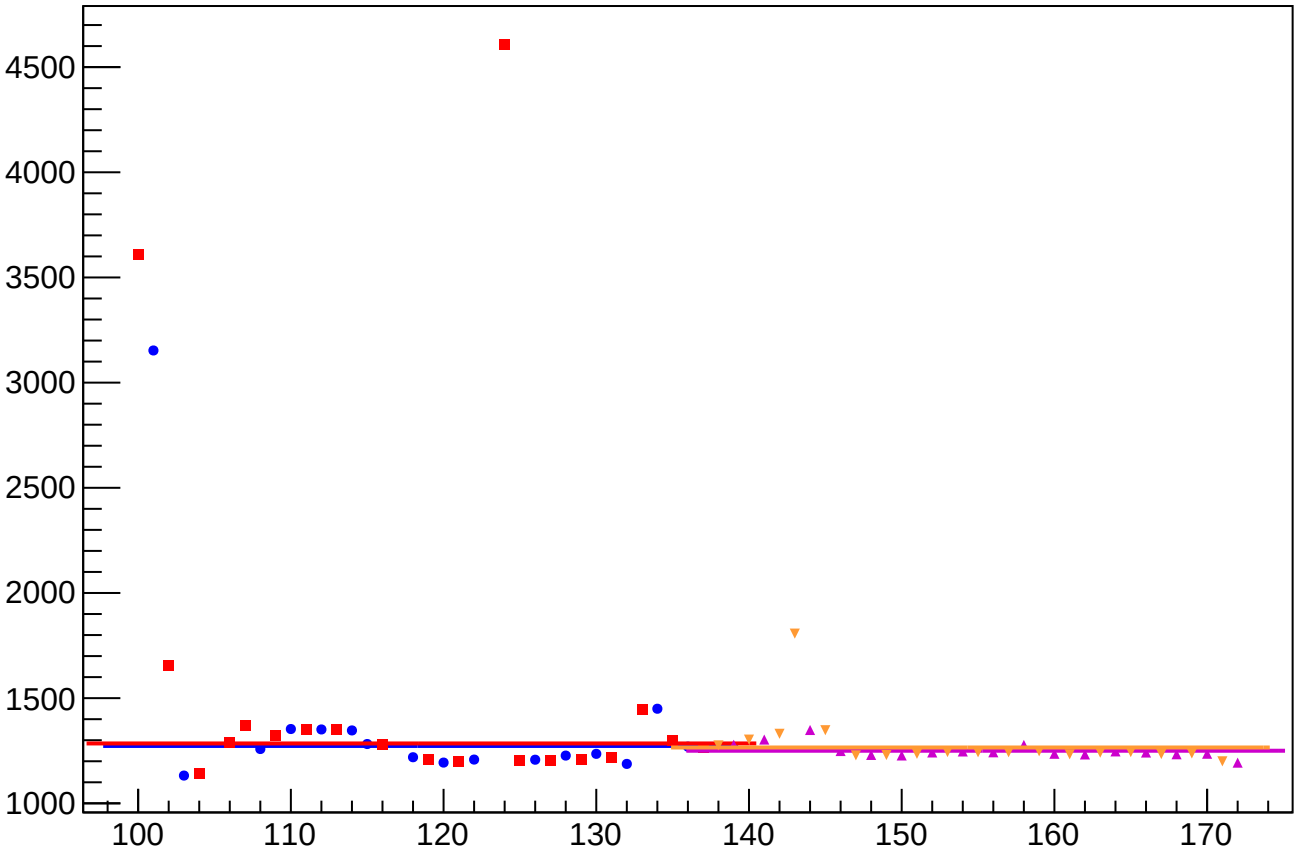
Left: -107.032+/-236.839 χ^2/NDF: 30.9/34

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 128.820+/-274.489 χ^2/NDF:29.8/32

Out: -230.114+/-275.574 χ^2/NDF:36.6/36

All: -49.939+/-194.476 χ^2/NDF: 67.2/69



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1265.405+/-0.238 χ^2/NDF:171106.8/17

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1250.015+/-0.236 χ^2/NDF:20248.3/16

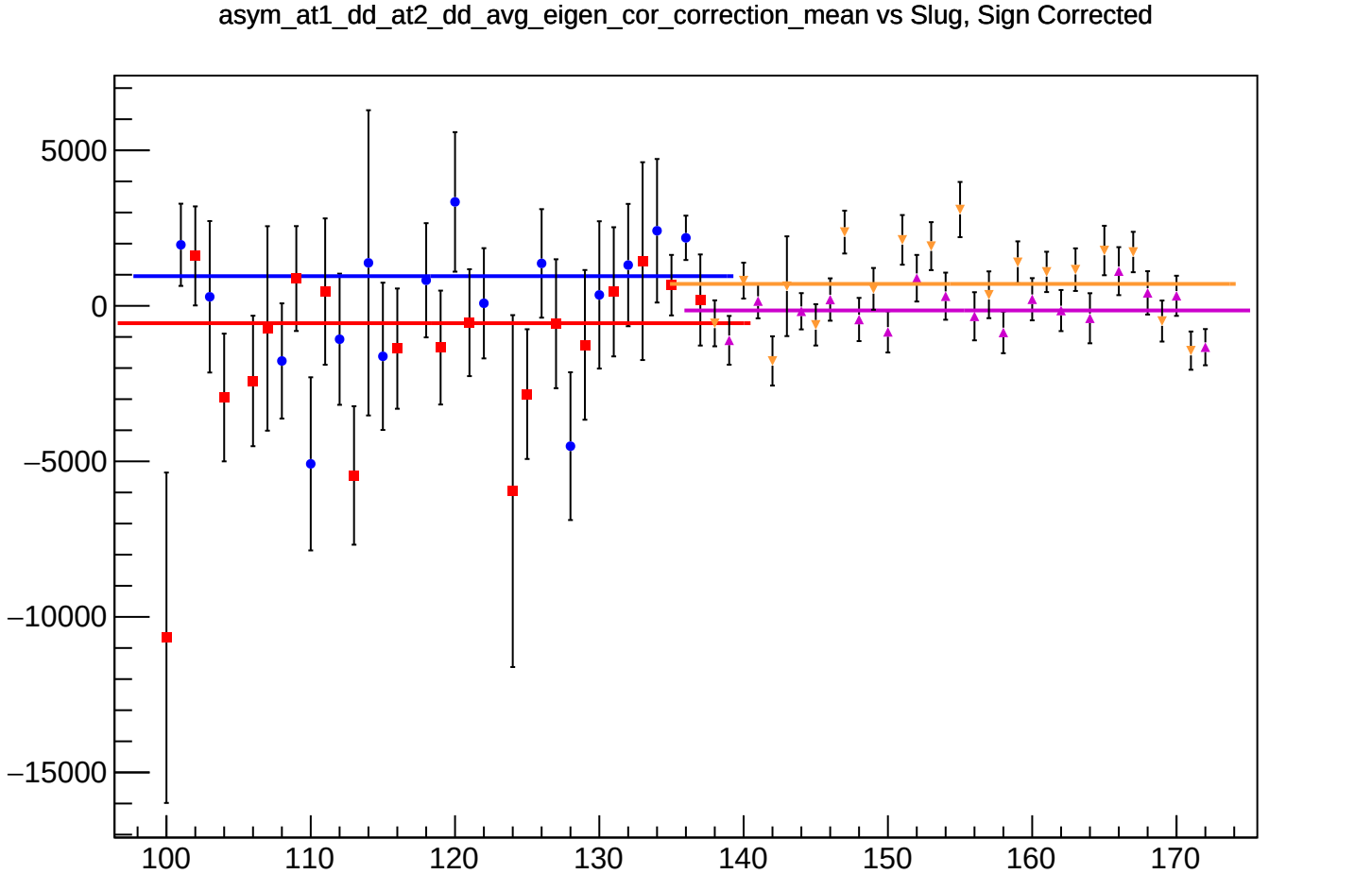
Left: 1257.657+/-0.167 χ^2/NDF: 193466.2/34

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1257.393+/-0.194 χ^2/NDF:542565.9/32

Out: 1271.715+/-0.195 χ^2/NDF:501992.0/36

All: 1264.525+/-0.138 χ^2/NDF: 1047269.6/69



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 704.769+/-168.261 χ^2/NDF:57.3/17

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: 269.243+/-117.698 χ^2/NDF: 85.6/34

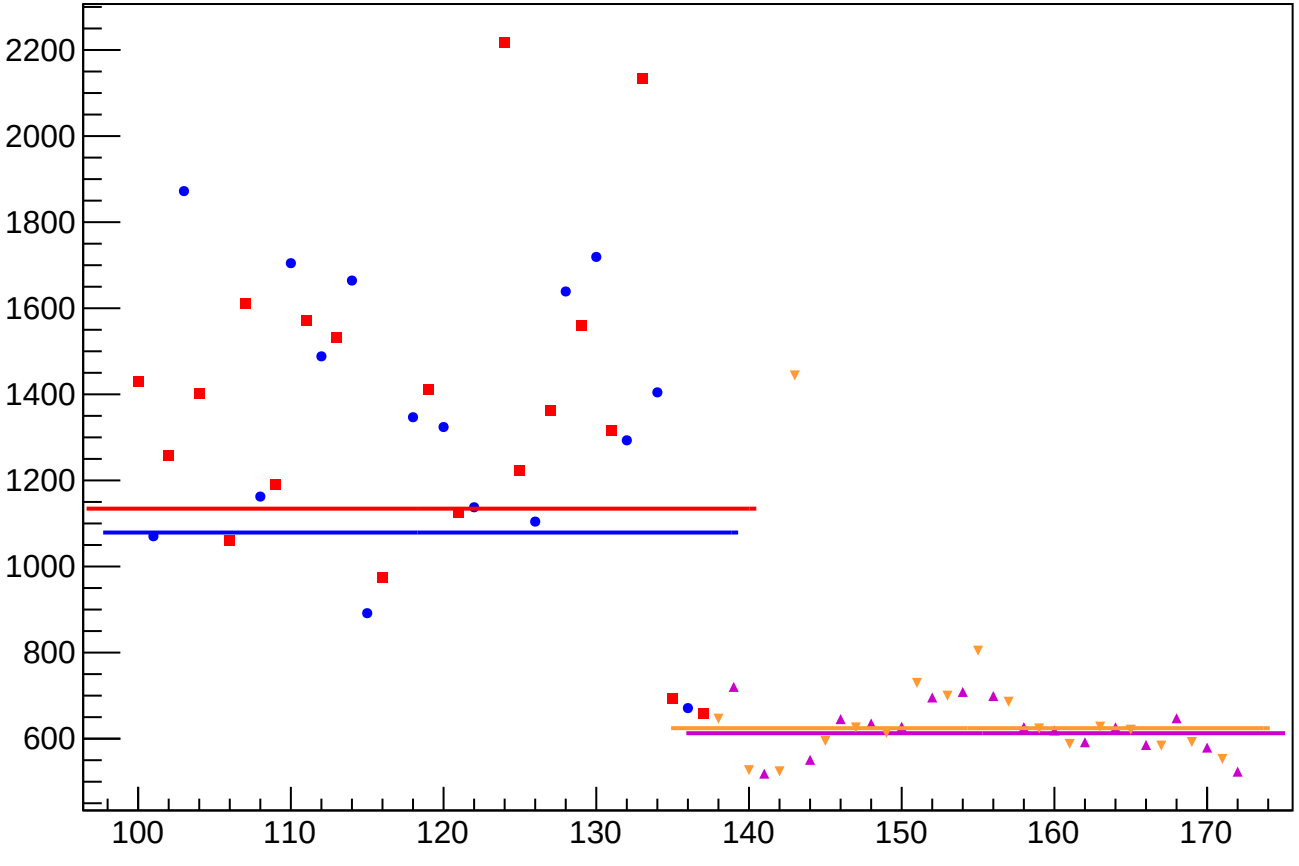
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -4.508+/-153.600 χ^2/NDF:40.8/32

Out: 544.154+/-157.196 χ^2/NDF:82.9/36

All: 263.475+/-109.861 χ^2/NDF: 129.9/69

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: 624.375+/-0.119 χ^2/NDF:813628.8/17

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 612.730+/-0.116 χ^2/NDF:270782.3/16

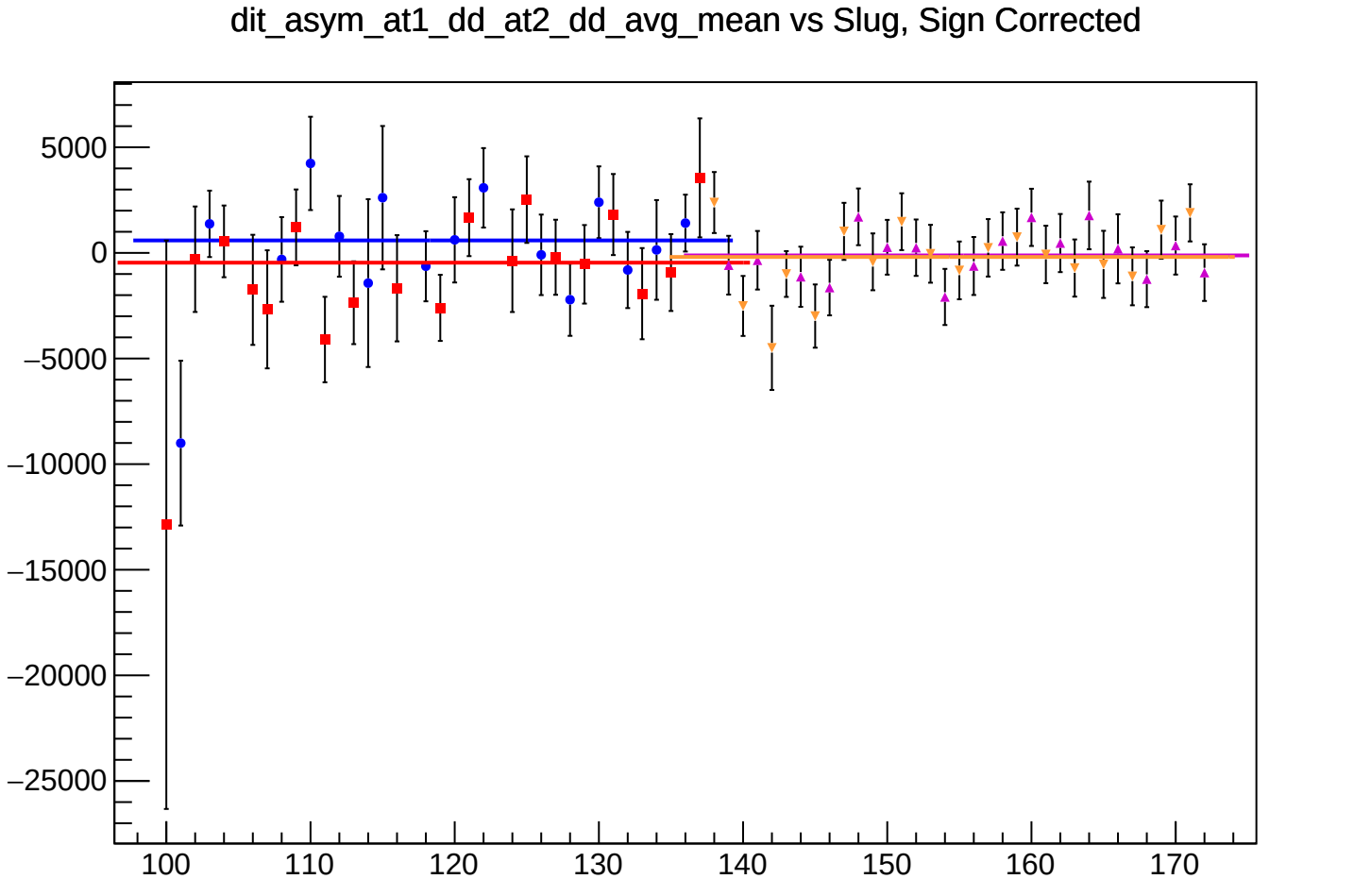
Left: 618.428+/-0.083 χ^2/NDF: 1089302.8/34

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 673.436+/-0.109 χ^2/NDF:3836218.9/32

Out: 689.253+/-0.111 χ^2/NDF:4440158.8/36

All: 681.162+/-0.078 χ^2/NDF: 8286736.1/69



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -193.203+/-325.732 χ^2/NDF:21.7/17

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -119.011+/-334.326 χ^2/NDF:11.2/16

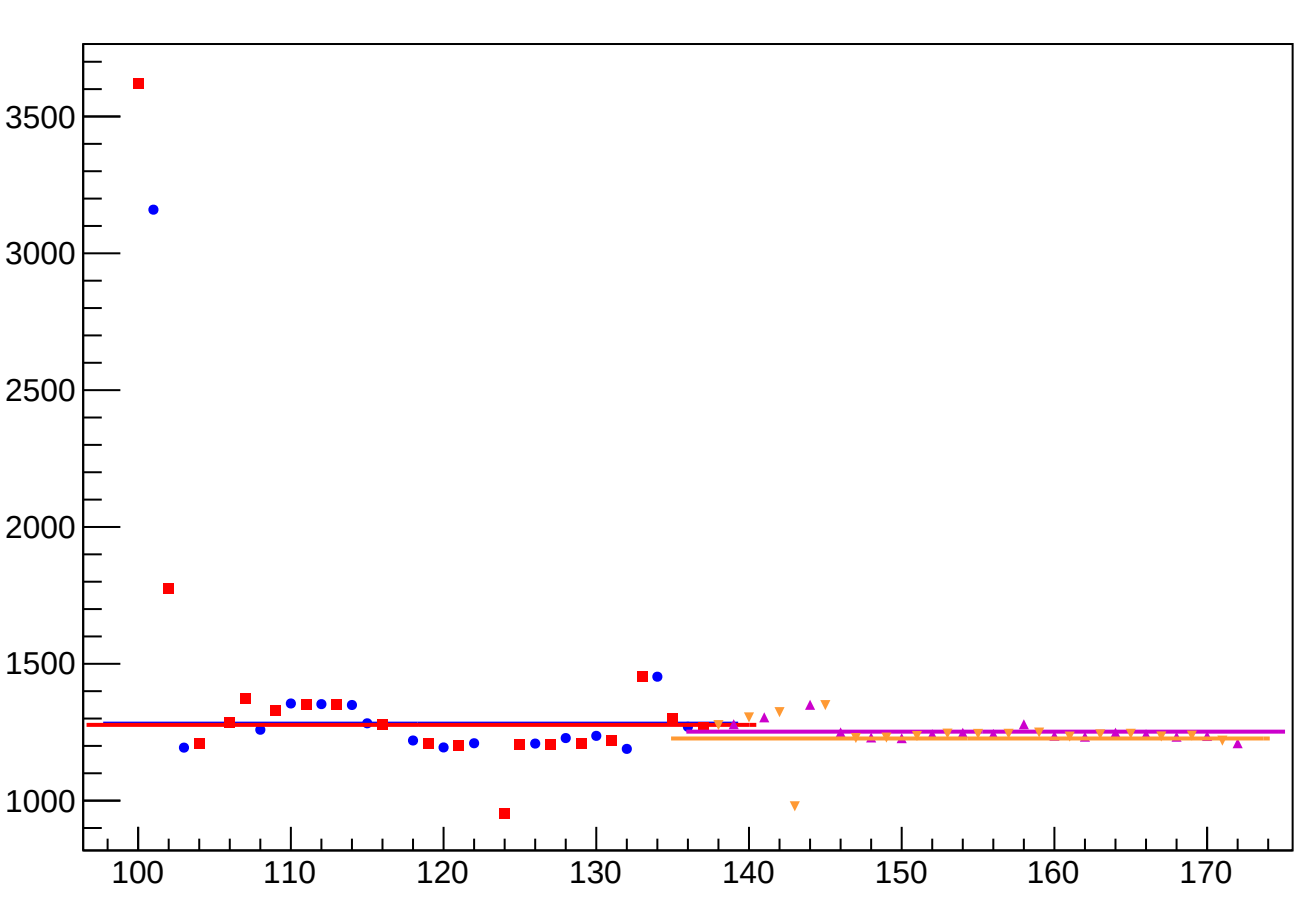
Left: -157.072+/-233.306 χ^2/NDF: 32.8/34

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 109.168+/-275.351 χ^2/NDF:29.7/32

Out: -278.929+/-268.959 χ^2/NDF:38.6/36

All: -89.437+/-192.403 χ^2/NDF: 69.3/69



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1227.116+/-0.230 χ^2/NDF:132970.8/17

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: 1239.275+/-0.165 χ^2/NDF: 157286.0/34

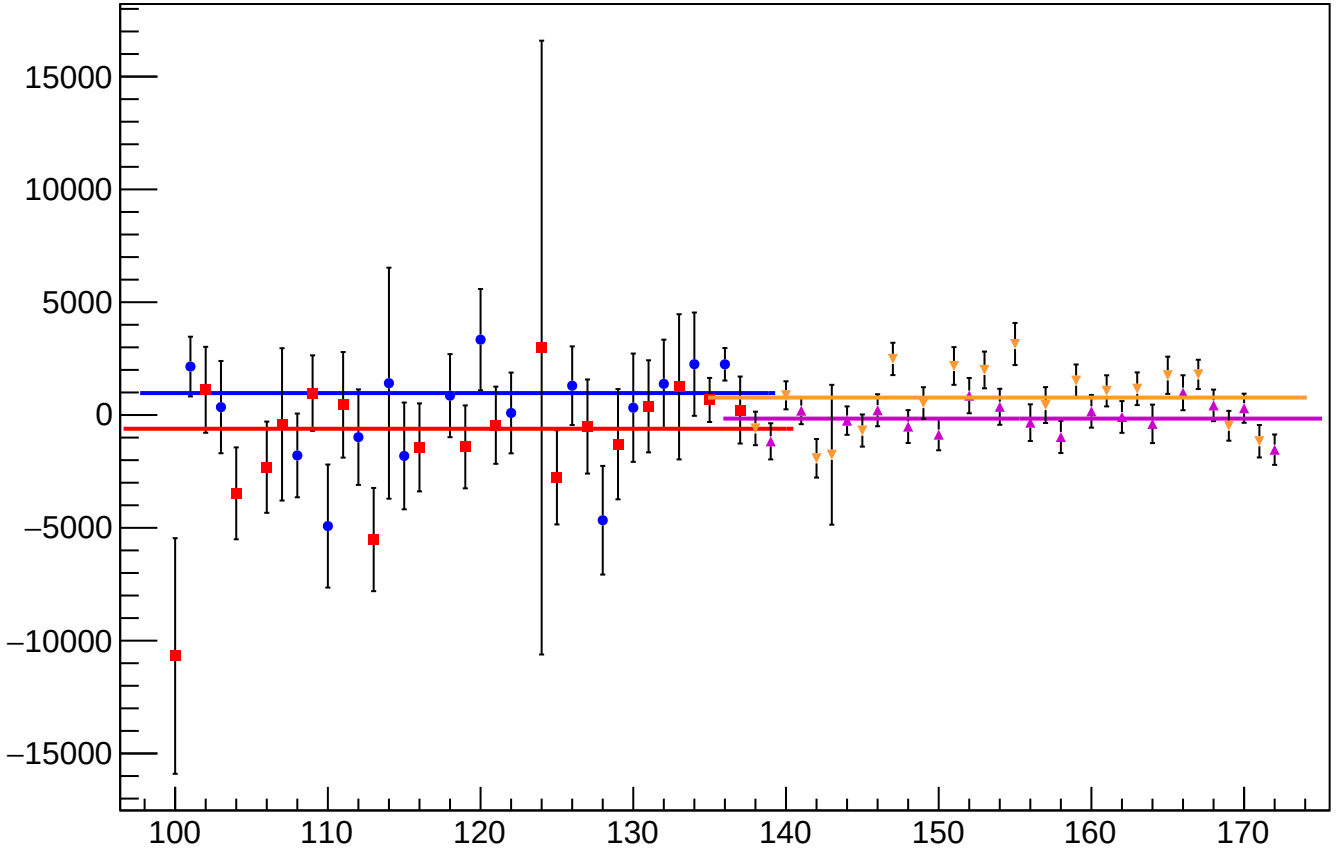
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1261.505+/-0.195 χ^2/NDF:530607.2/32

Out: 1242.945+/-0.190 χ^2/NDF:368326.7/36

All: 1252.007+/-0.136 χ^2/NDF: 903583.6/69

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: 772.412+/-178.147 χ^2/NDF:52.1/17

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: 295.290+/-124.364 χ^2/NDF: 81.0/34

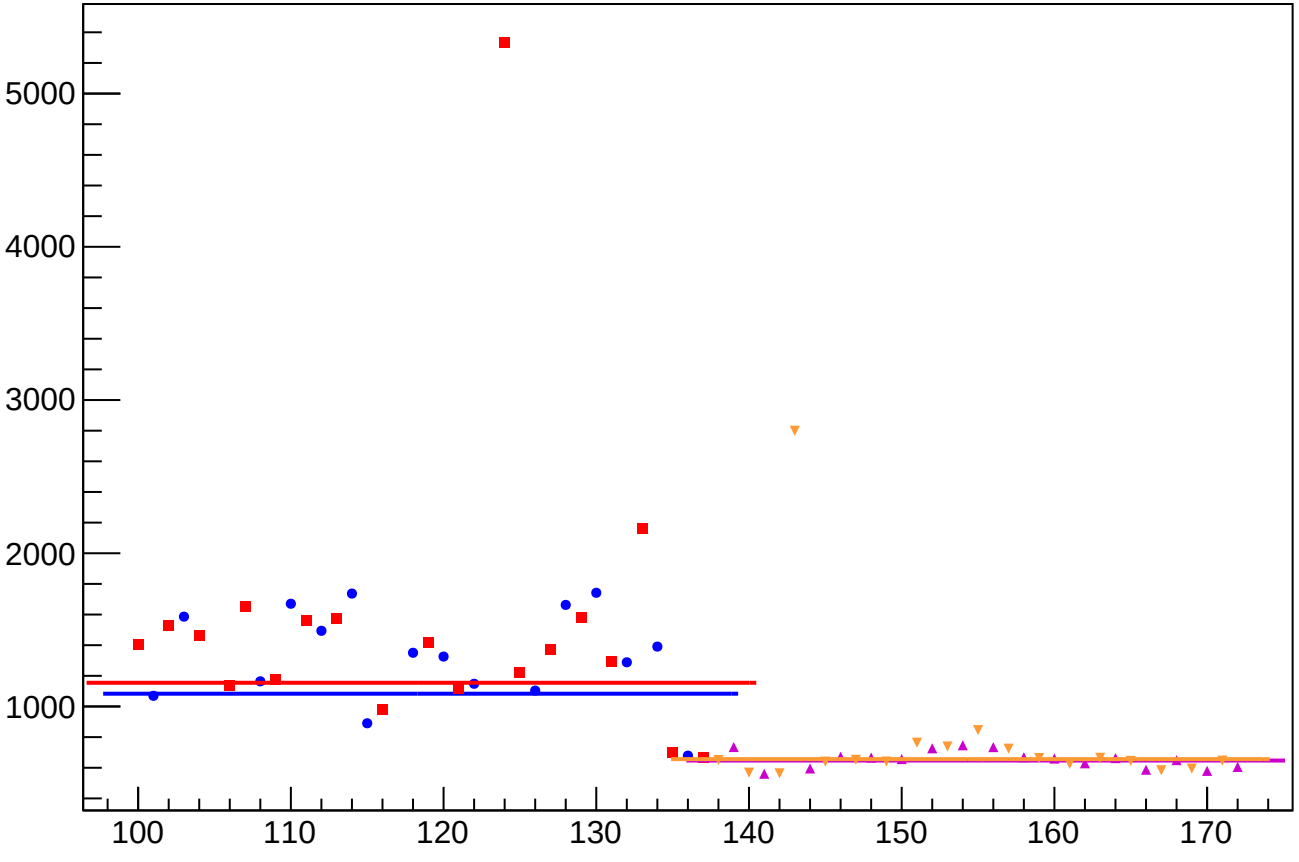
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 3.394+/-160.794 χ^2/NDF:41.4/32

Out: 583.686+/-165.525 χ^2/NDF:77.5/36

All: 285.129+/-115.335 χ^2/NDF: 125.1/69

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.335+/-0.301 χ^2/NDF: 1360153.3/15

Left Out: 656.452+/-0.126 χ^2/NDF:1220528.3/17

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 647.125+/-0.123 χ^2/NDF:204708.0/16

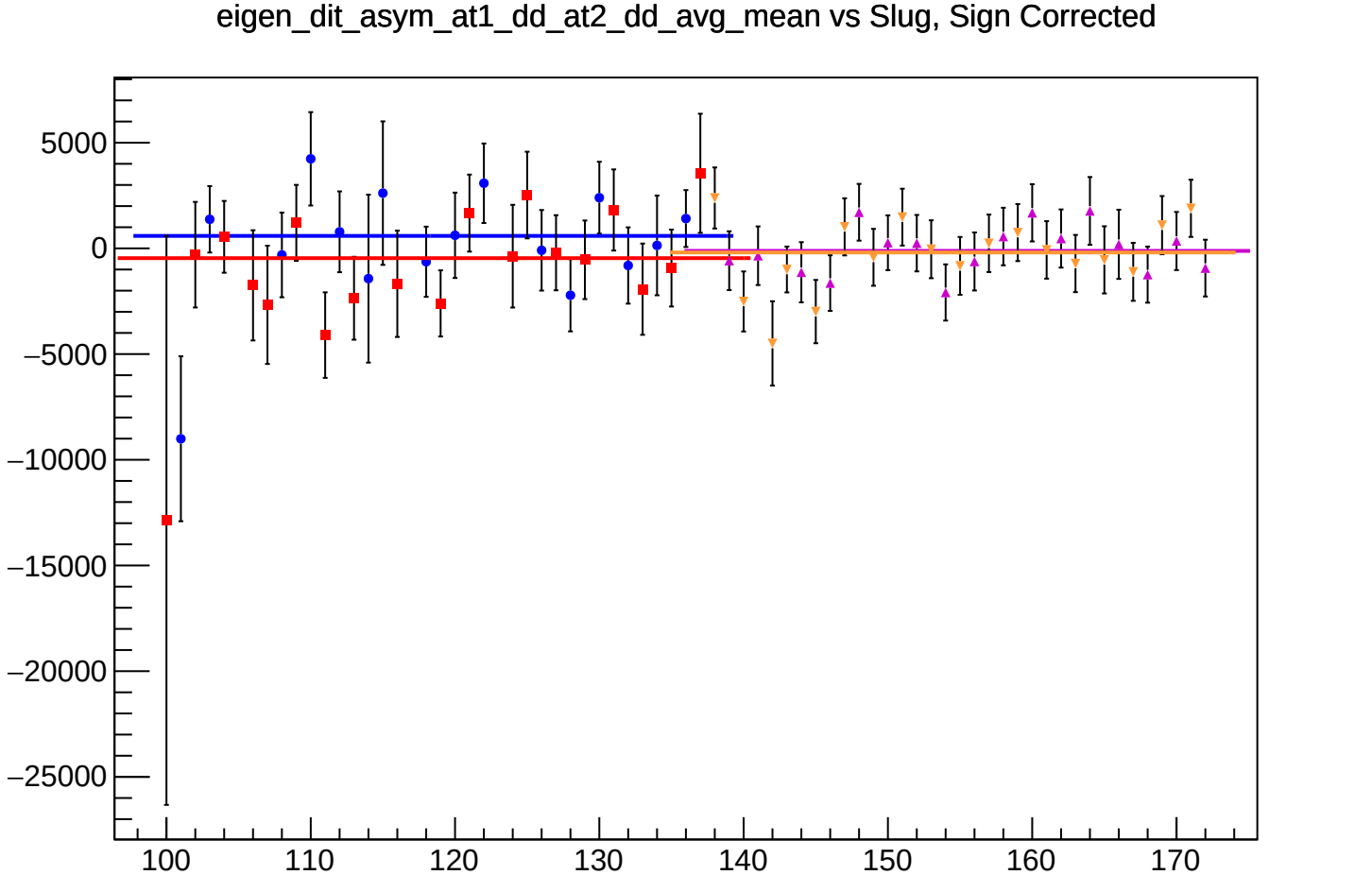
Left: 651.670+/-0.088 χ^2/NDF: 1428047.1/34

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 709.500+/-0.114 χ^2/NDF:3368626.4/32

Out: 724.554+/-0.117 χ^2/NDF:4847272.9/36

All: 716.809+/-0.082 χ^2/NDF: 8224409.8/69



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -193.205+/-325.732 χ^2/NDF:21.7/17

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -119.010+/-334.326 χ^2/NDF:11.2/16

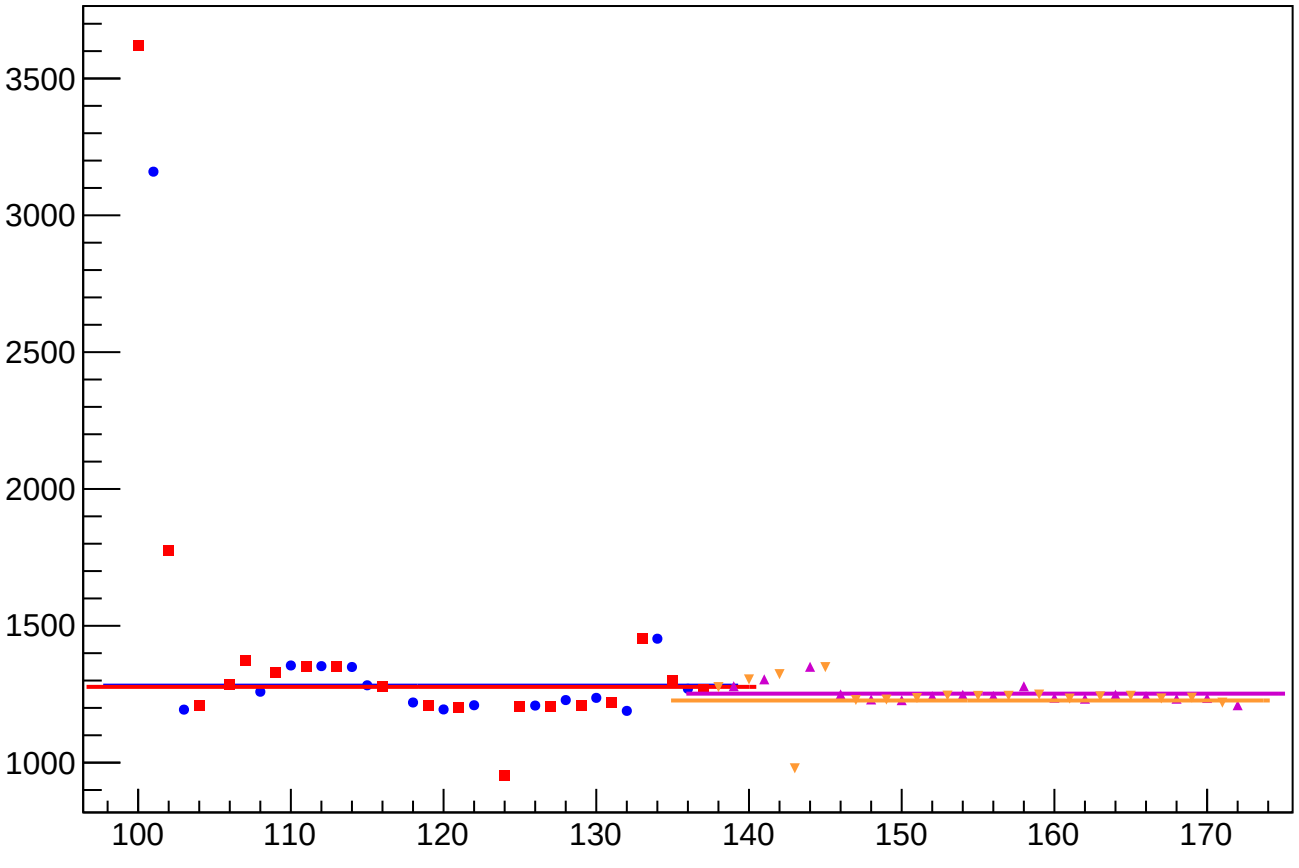
Left: -157.073+/-233.306 χ^2/NDF: 32.8/34

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 109.170+/-275.351 χ^2/NDF:29.7/32

Out: -278.930+/-268.959 χ^2/NDF:38.6/36

All: -89.437+/-192.403 χ^2/NDF: 69.3/69



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1227.116+/-0.230 χ^2/NDF:132970.1/17

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1252.084+/-0.236 χ^2/NDF:18592.7/16

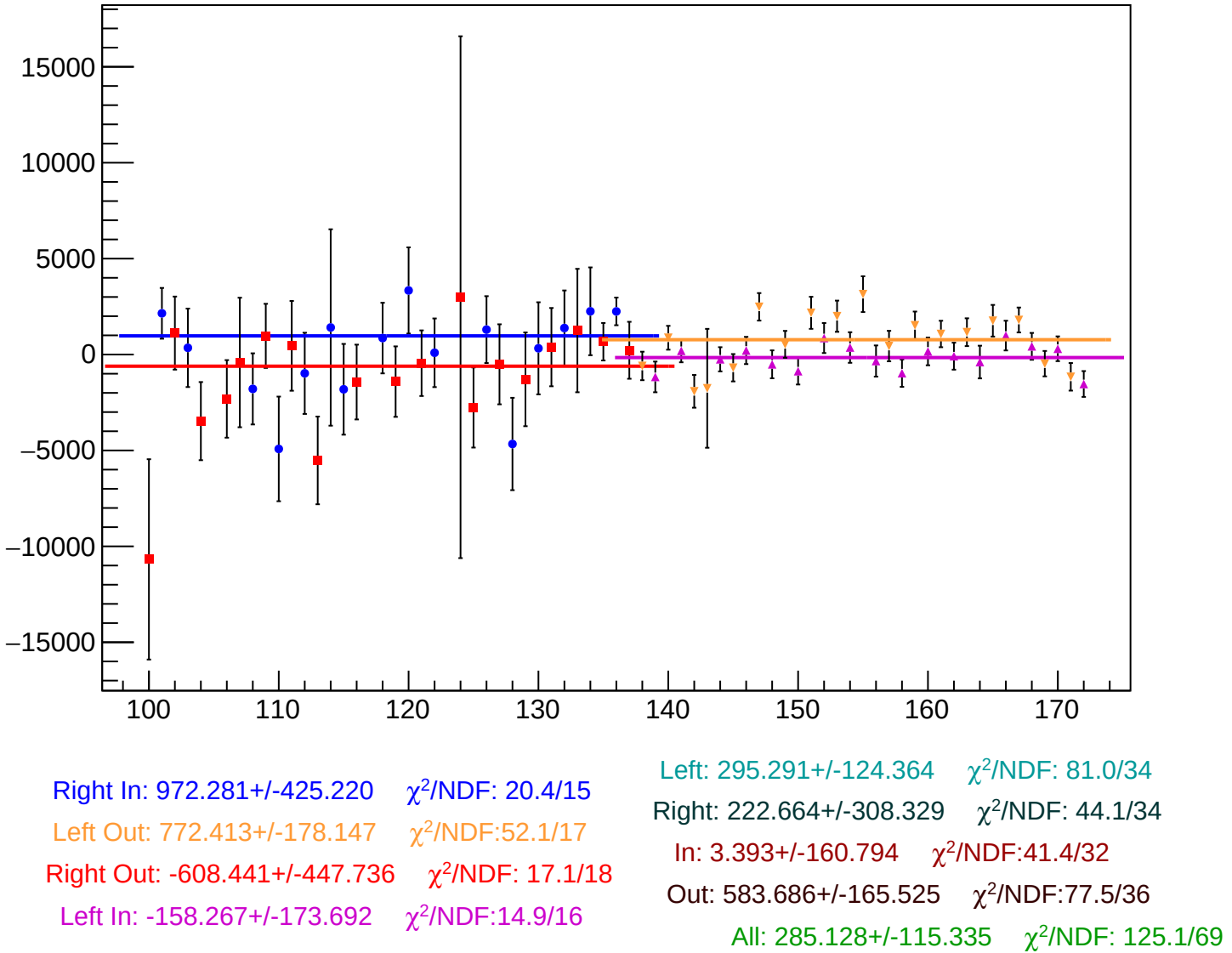
Left: 1239.275+/-0.165 χ^2/NDF: 157285.3/34

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

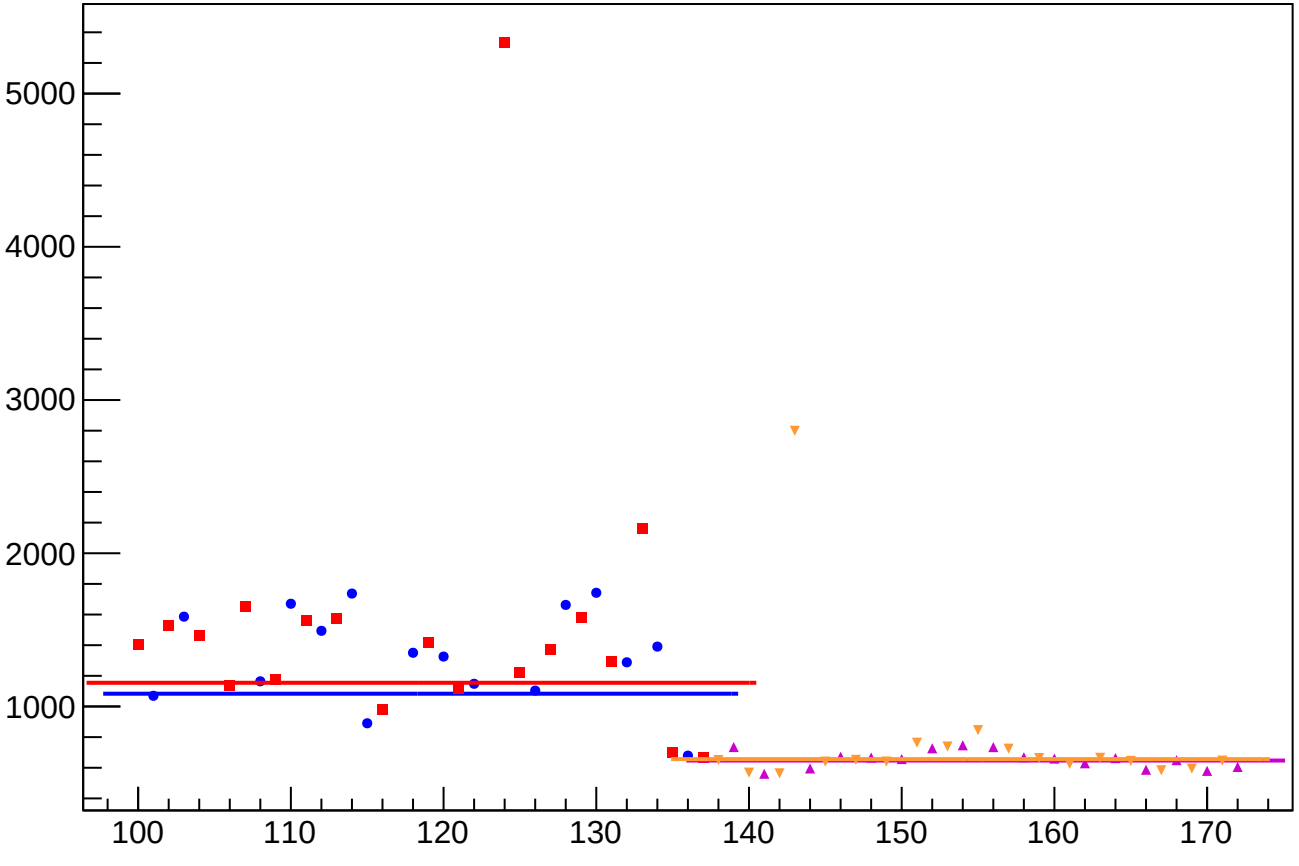
In: 1261.505+/-0.195 χ^2/NDF:530607.5/32

Out: 1242.945+/-0.190 χ^2/NDF:368325.7/36

All: 1252.007+/-0.136 χ^2/NDF: 903582.9/69


asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 972.281+/-425.220 χ²/NDF: 20.4/15
Left Out: 772.413+/-178.147 χ²/NDF:52.1/17
Right Out: -608.441+/-447.736 χ²/NDF: 17.1/18
Left In: -158.267+/-173.692 χ²/NDF:14.9/16
Left: 295.291+/-124.364 χ²/NDF: 81.0/34
Right: 222.664+/-308.329 χ²/NDF: 44.1/34
In: 3.393+/-160.794 χ²/NDF:41.4/32
Out: 583.686+/-165.525 χ²/NDF:77.5/36
All: 285.128+/-115.335 χ²/NDF: 125.1/69

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 656.452+/-0.126 χ^2/NDF:1220524.1/17

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 647.124+/-0.123 χ^2/NDF:204712.5/16

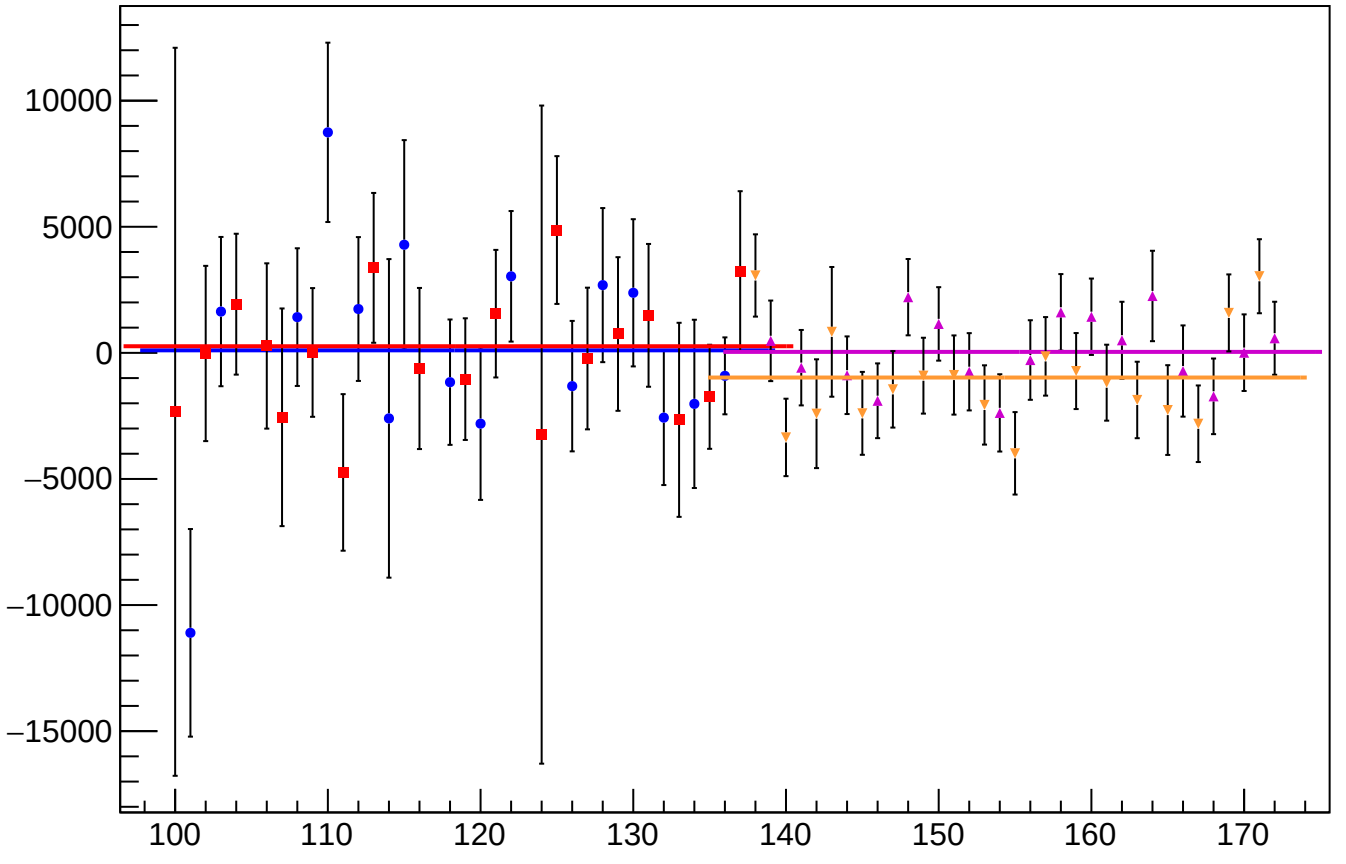
Left: 651.670+/-0.088 χ^2/NDF: 1428047.9/34

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 709.500+/-0.114 χ^2/NDF:3368621.3/32

Out: 724.554+/-0.117 χ^2/NDF:4847261.8/36

All: 716.809+/-0.082 χ^2/NDF: 8224394.5/69



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -977.982+/-378.844 χ^2/NDF:27.2/17

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 38.667+/-373.987 χ^2/NDF:13.0/16

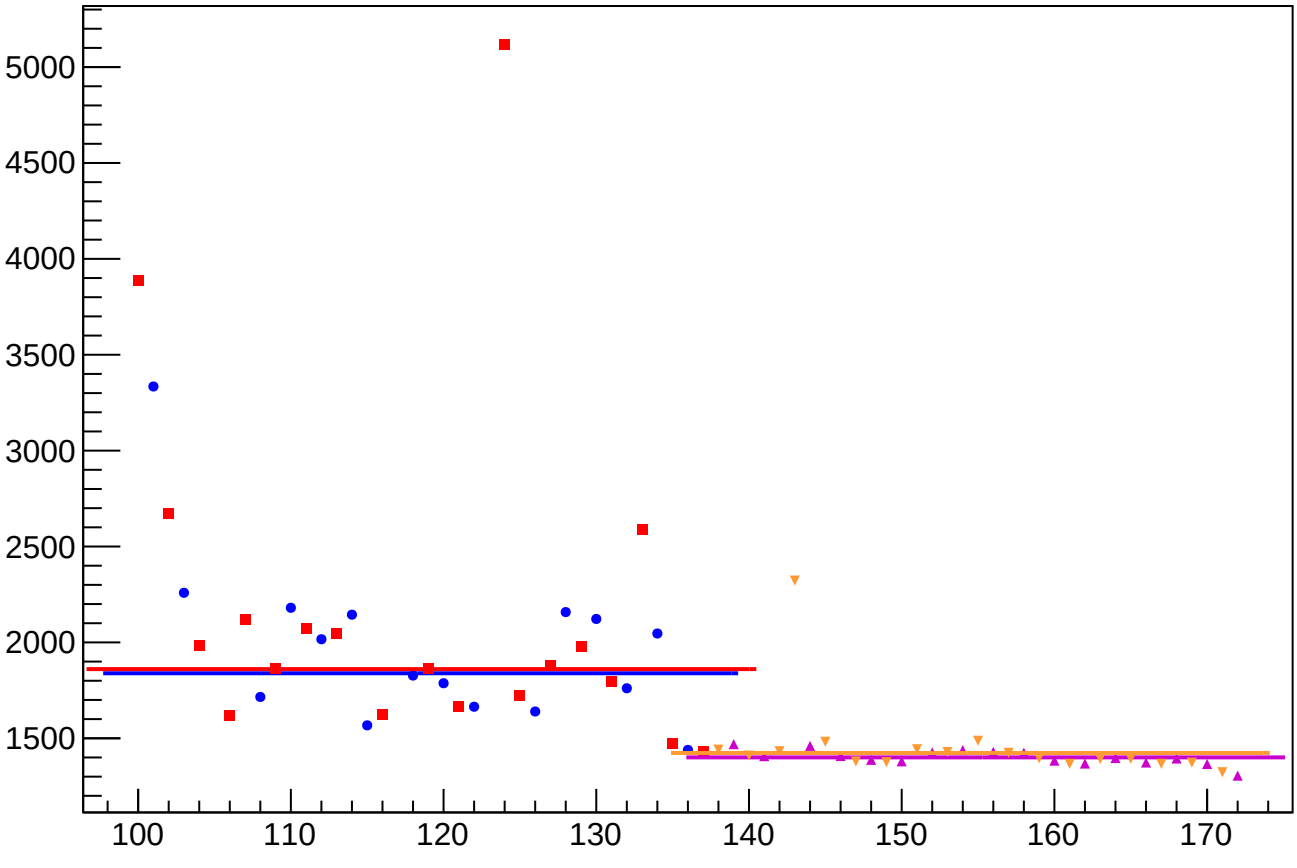
Left: -463.098+/-266.150 χ^2/NDF: 43.8/34

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 52.417+/-329.754 χ^2/NDF:34.3/32

Out: -696.730+/-333.149 χ^2/NDF:39.9/36

All: -318.319+/-234.363 χ^2/NDF: 76.8/69



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1423.537+/-0.268 χ^2/NDF:273635.8/17

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1400.431+/-0.264 χ^2/NDF:21658.6/16

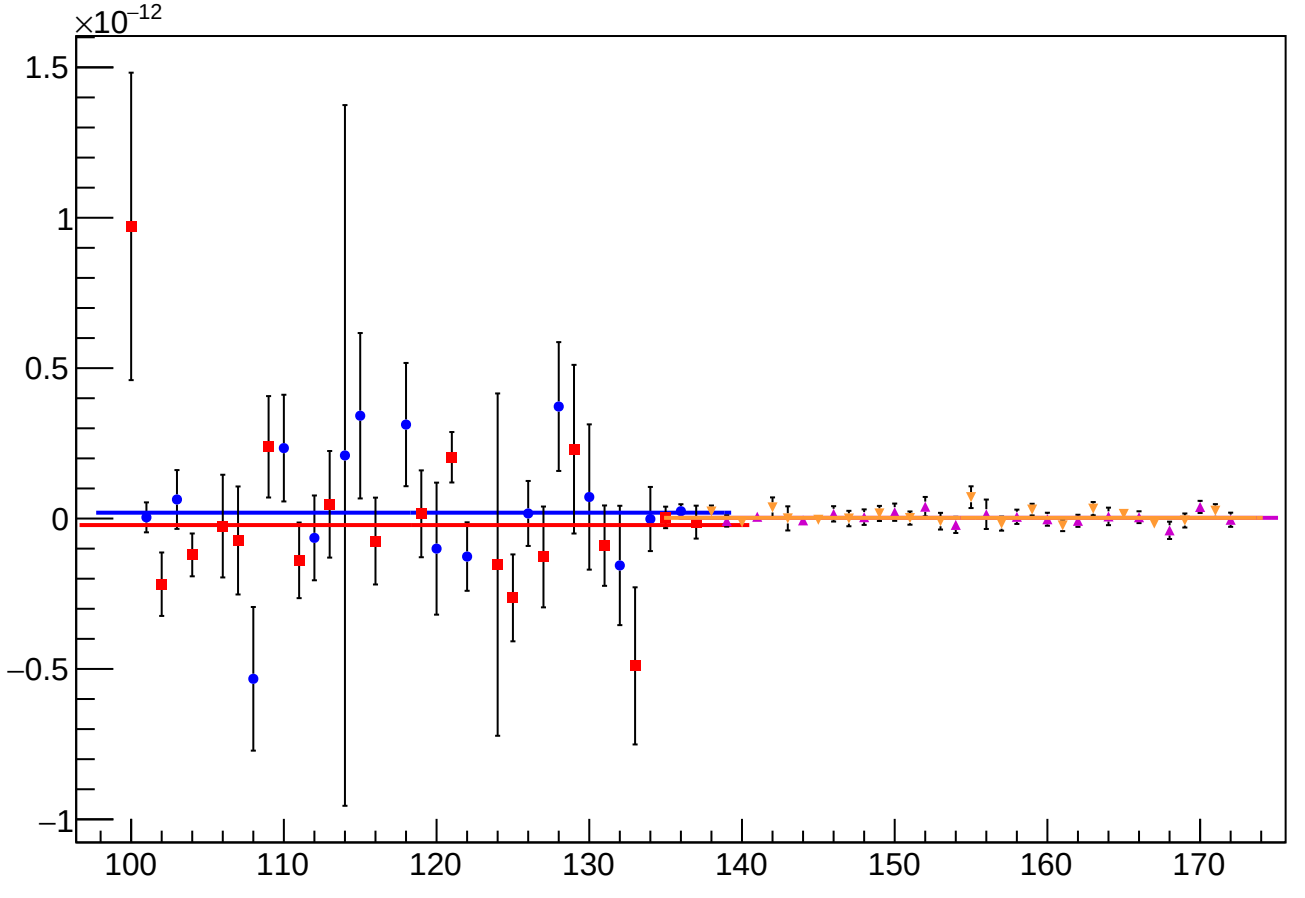
Left: 1411.835+/-0.188 χ^2/NDF: 299062.5/34

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1498.064+/-0.233 χ^2/NDF:1190827.1/32

Out: 1522.650+/-0.236 χ^2/NDF:1399605.4/36

All: 1510.231+/-0.166 χ^2/NDF: 2595934.5/69



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.4/17

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: 27.7/34

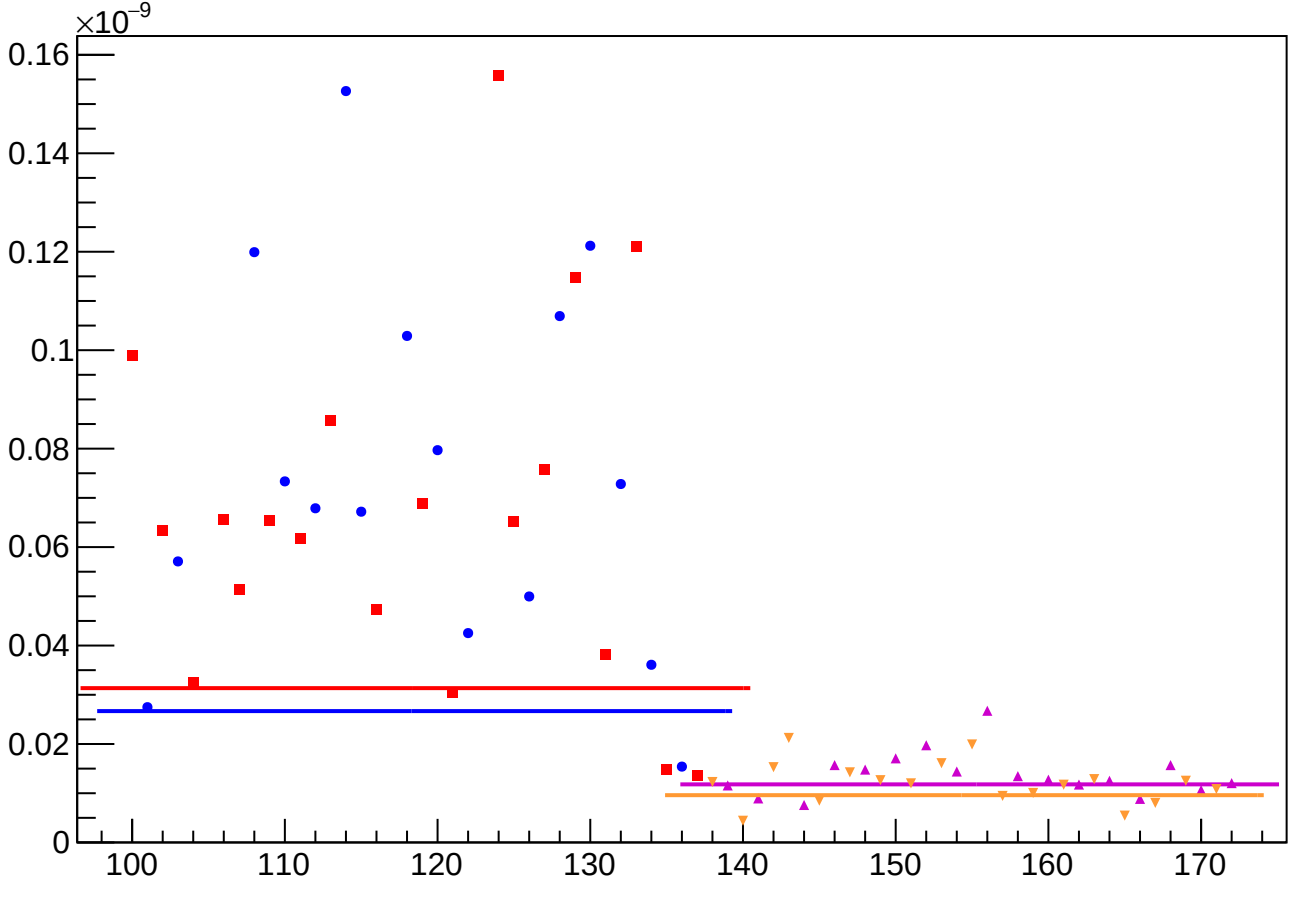
Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:26.6/32

Out: 0.000+/-0.000 χ^2/NDF:47.7/36

All: 0.000+/-0.000 χ^2/NDF: 74.4/69

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2580672.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1397609.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:831975.7/16

Left: 0.000+/-0.000 χ^2/NDF: 2420649.7/34

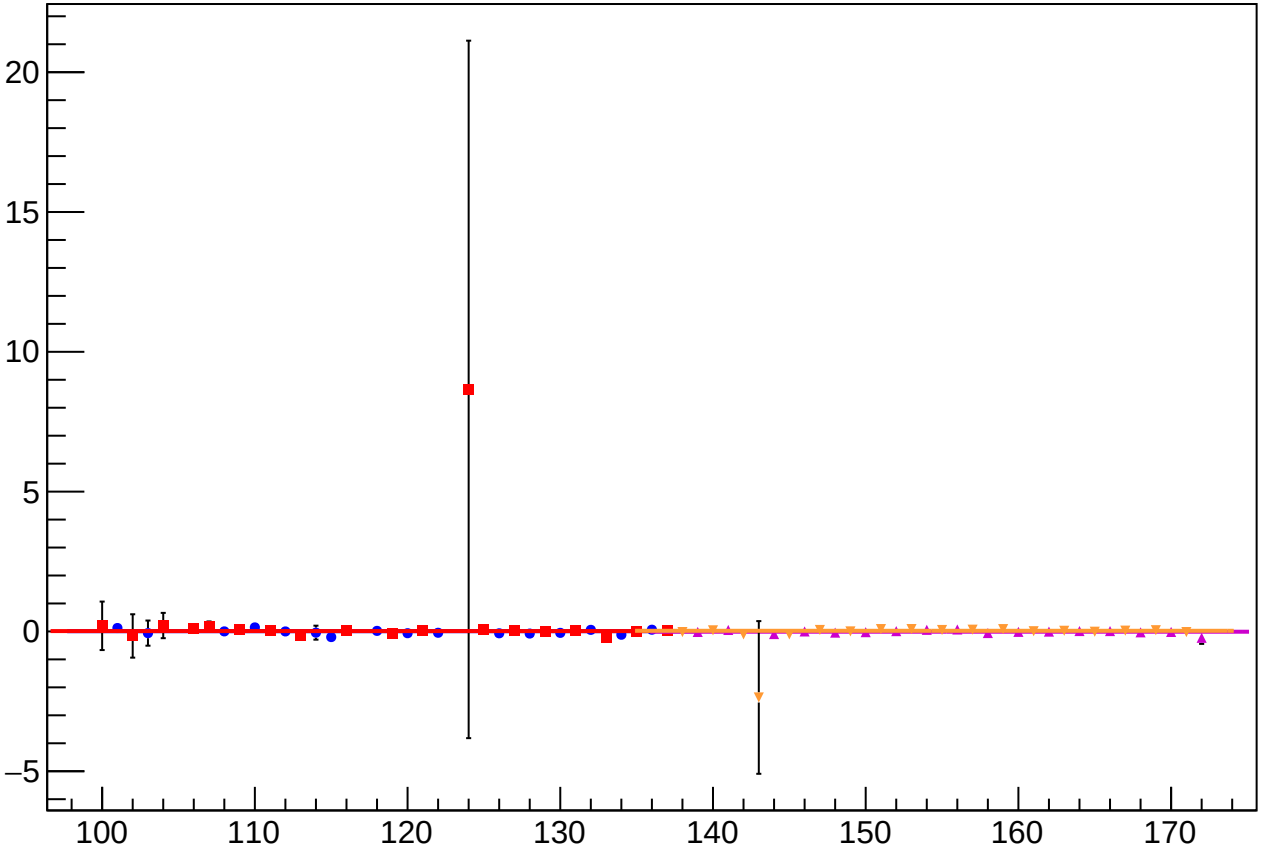
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4571581.2/32

Out: 0.000+/-0.000 χ^2/NDF:5495263.5/36

All: 0.000+/-0.000 χ^2/NDF: 10310524.1/69

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:18.1/17

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: 35.4/34

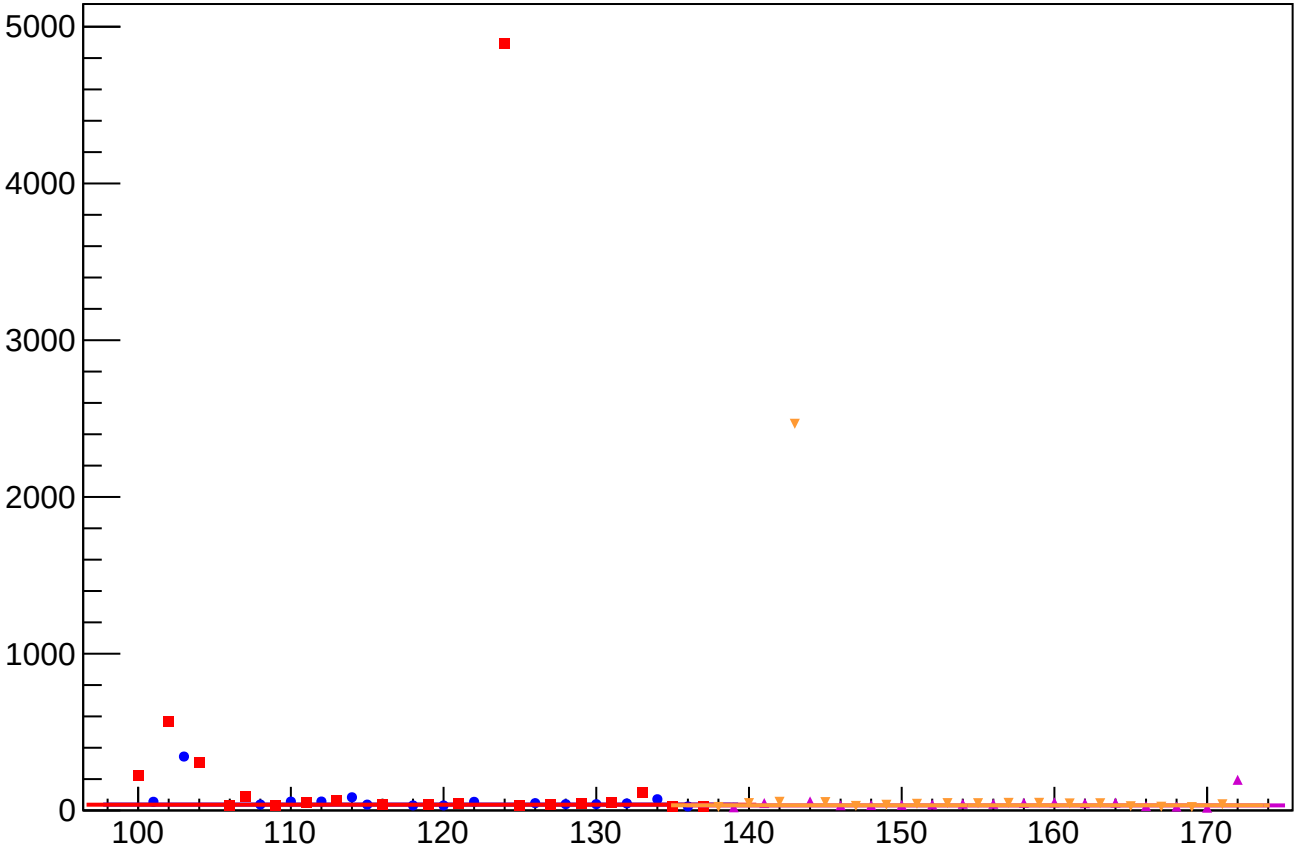
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/32

Out: 0.020+/-0.009 χ^2/NDF:31.0/36

All: 0.007+/-0.006 χ^2/NDF: 67.3/69

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: 32.975+/-0.007 χ^2/NDF:3975971.6/17

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: 32.593+/-0.005 χ^2/NDF: 7823096.3/34

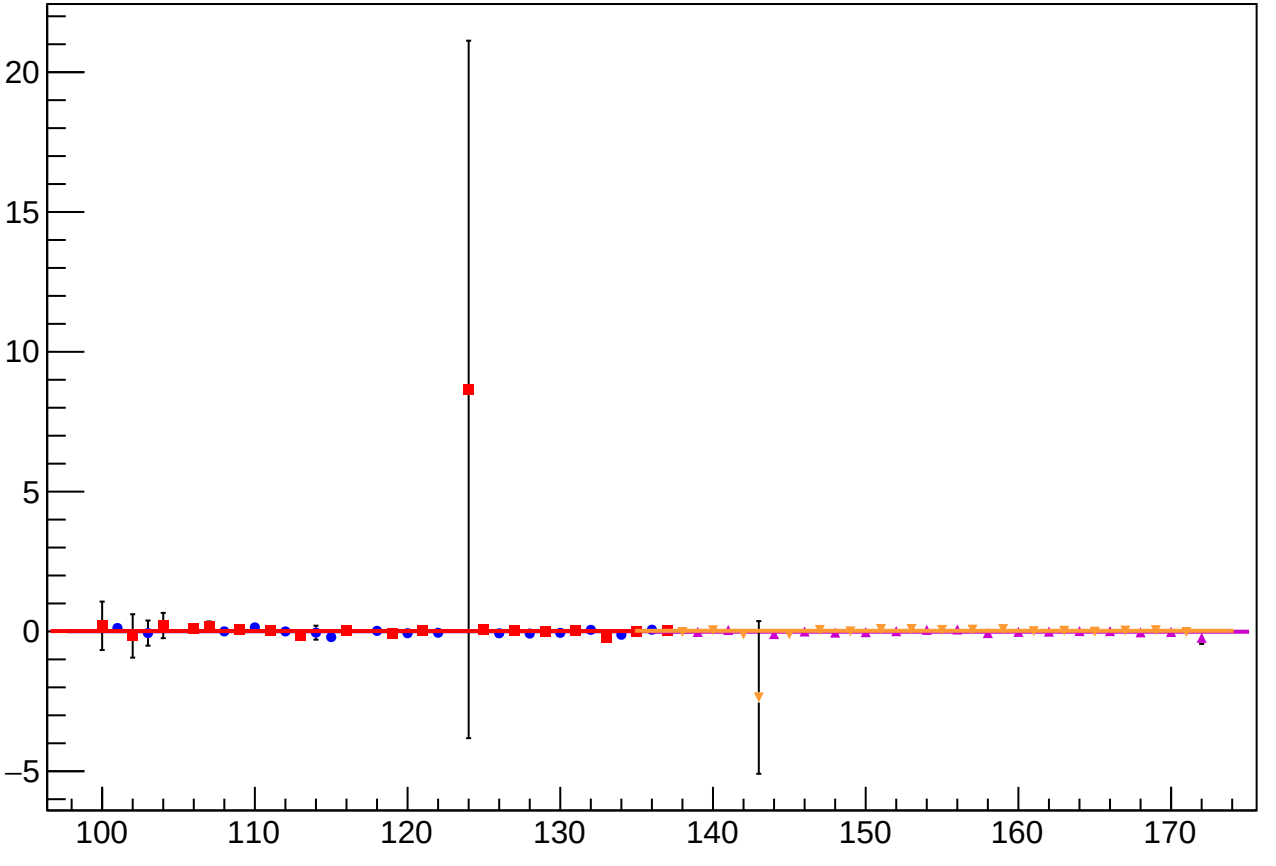
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.694+/-0.006 χ^2/NDF:5979721.6/32

Out: 34.020+/-0.006 χ^2/NDF:7242108.5/36

All: 33.852+/-0.004 χ^2/NDF: 13223265.9/69

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:18.1/17

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: 35.4/34

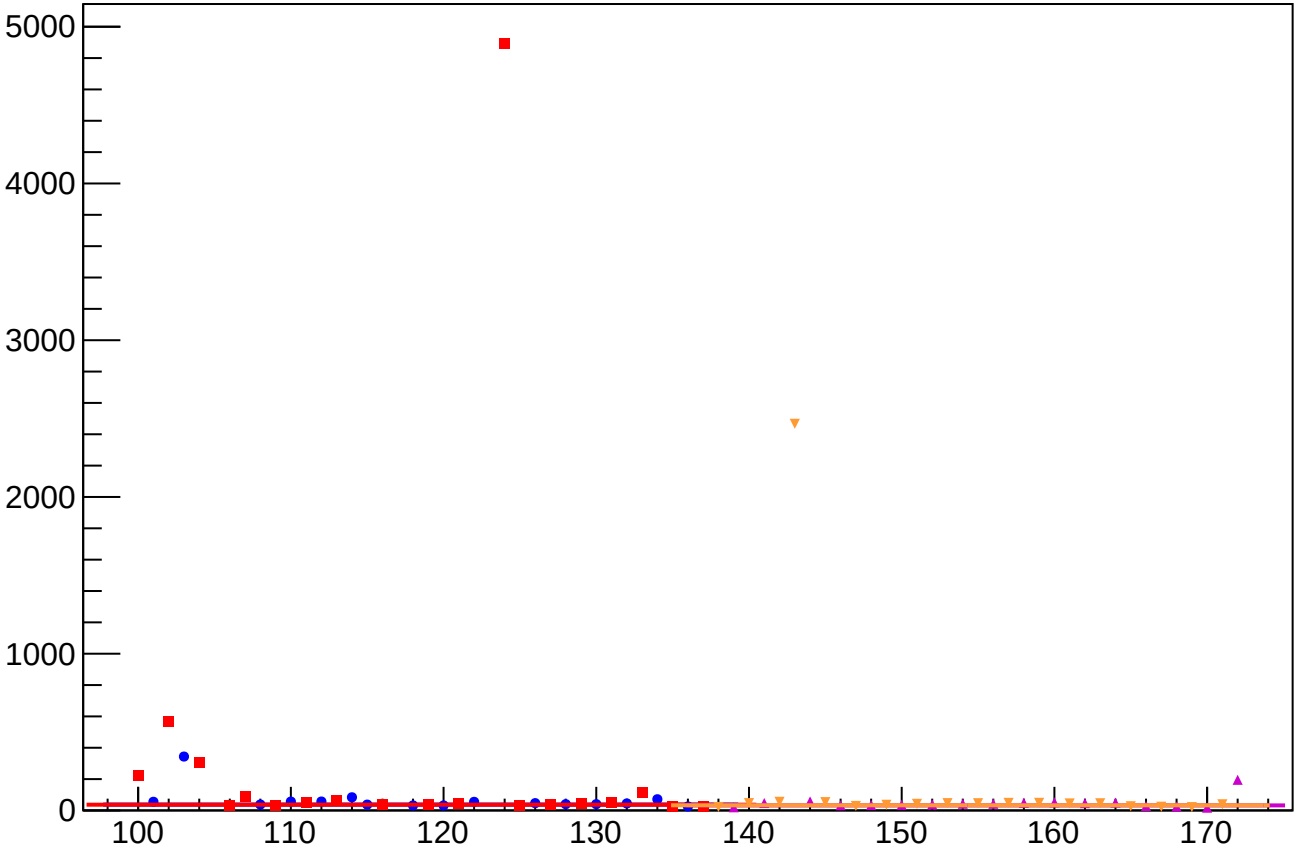
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/32

Out: 0.020+/-0.009 χ^2/NDF:31.0/36

All: 0.007+/-0.006 χ^2/NDF: 67.3/69

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: 32.975+/-0.007 χ^2/NDF:3975971.6/17

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: 32.593+/-0.005 χ^2/NDF: 7823096.3/34

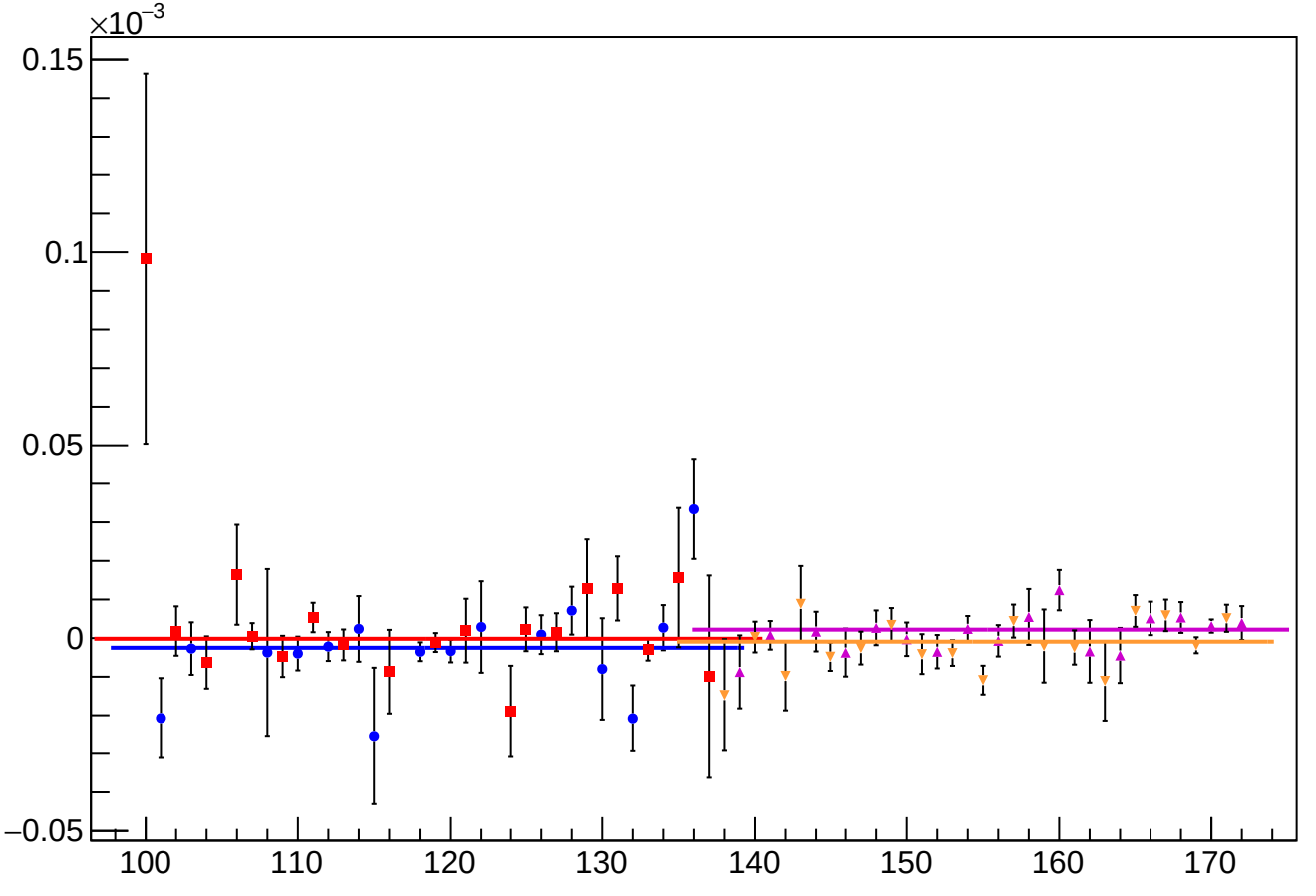
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.694+/-0.006 χ^2/NDF:5979721.6/32

Out: 34.020+/-0.006 χ^2/NDF:7242108.5/36

All: 33.852+/-0.004 χ^2/NDF: 13223265.9/69

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.9/17

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: 42.9/34

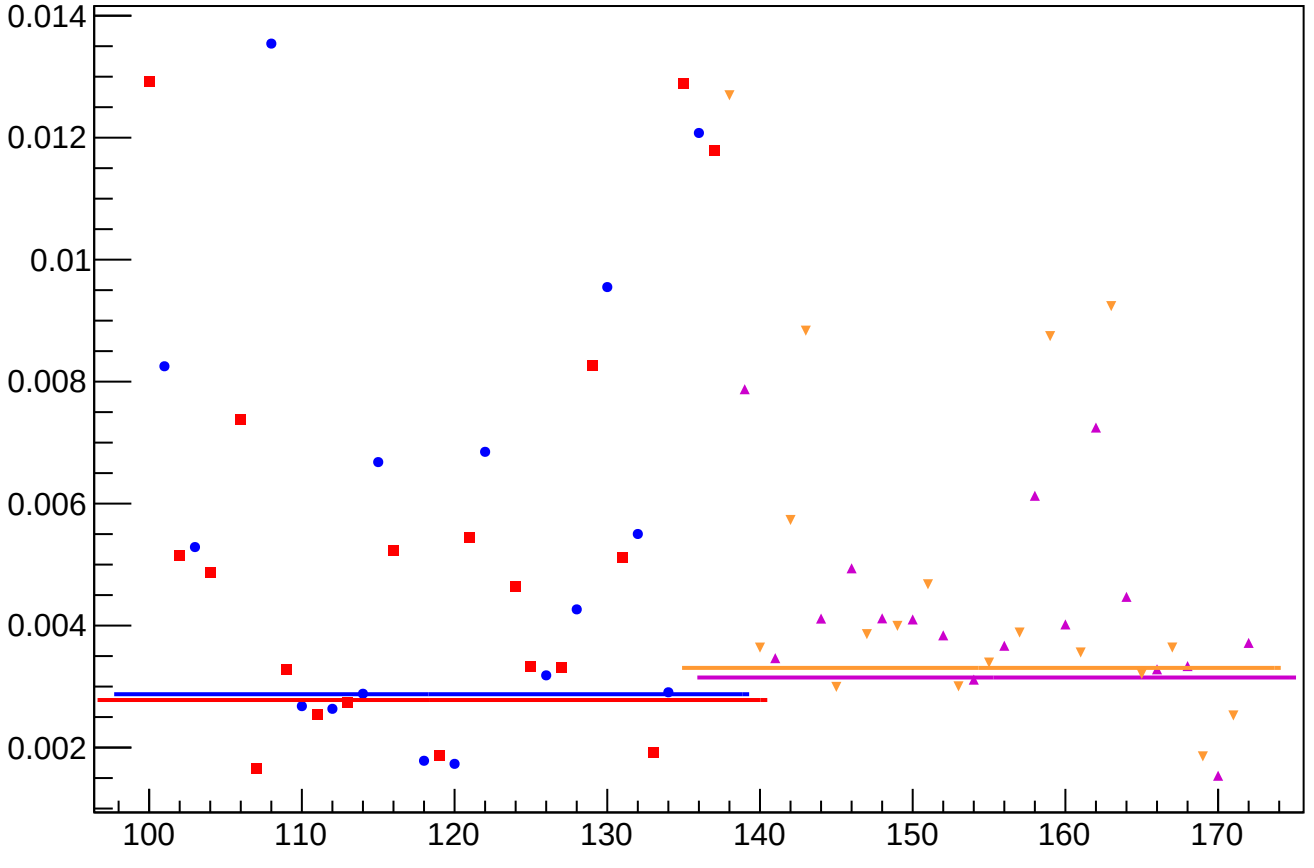
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: 0.000+/-0.000 χ^2/NDF:42.1/32

Out: -0.000+/-0.000 χ^2/NDF:45.0/36

All: -0.000+/-0.000 χ^2/NDF: 88.2/69

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:4358818.5/17

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: 8194428.4/34

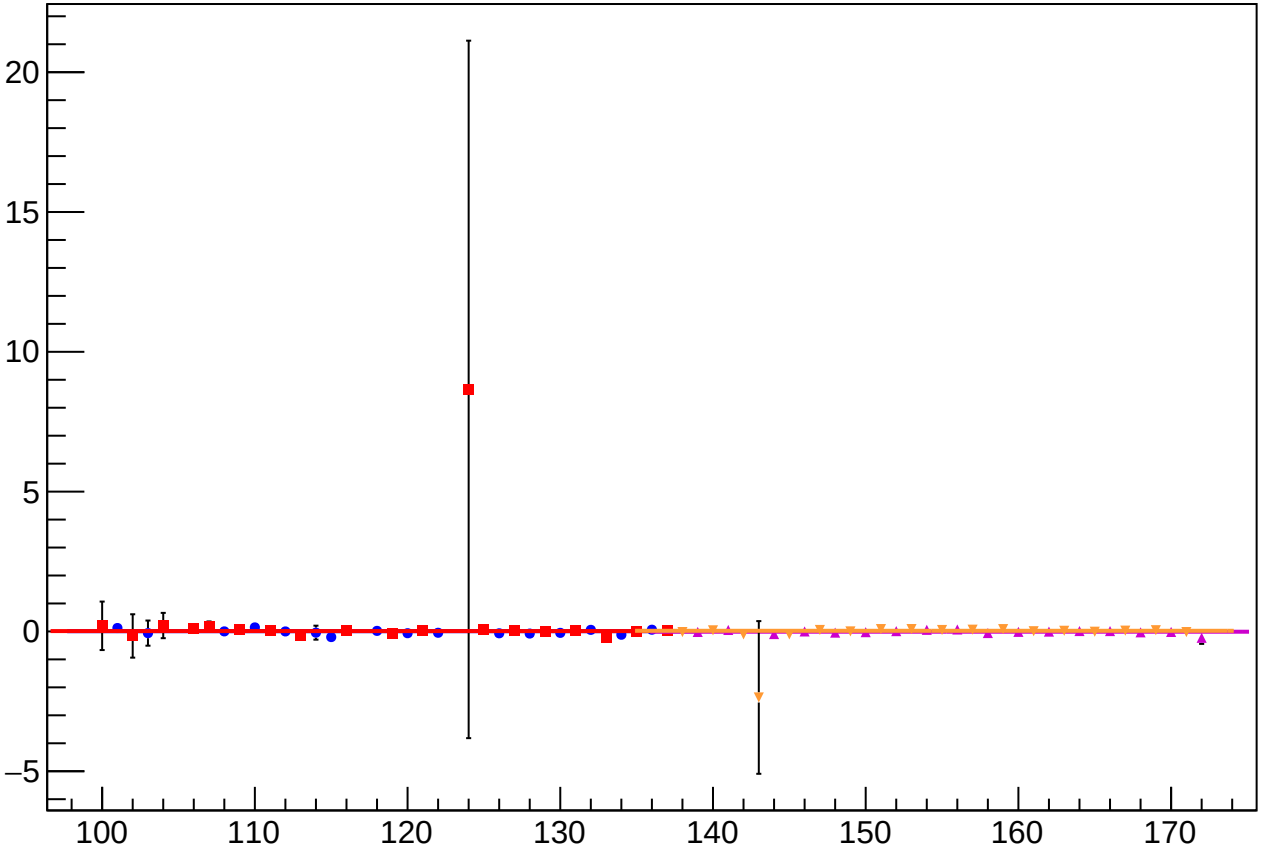
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:8018320.2/32

Out: 0.003+/-0.000 χ^2/NDF:7906710.8/36

All: 0.003+/-0.000 χ^2/NDF: 15927523.5/69

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:18.1/17

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: 35.4/34

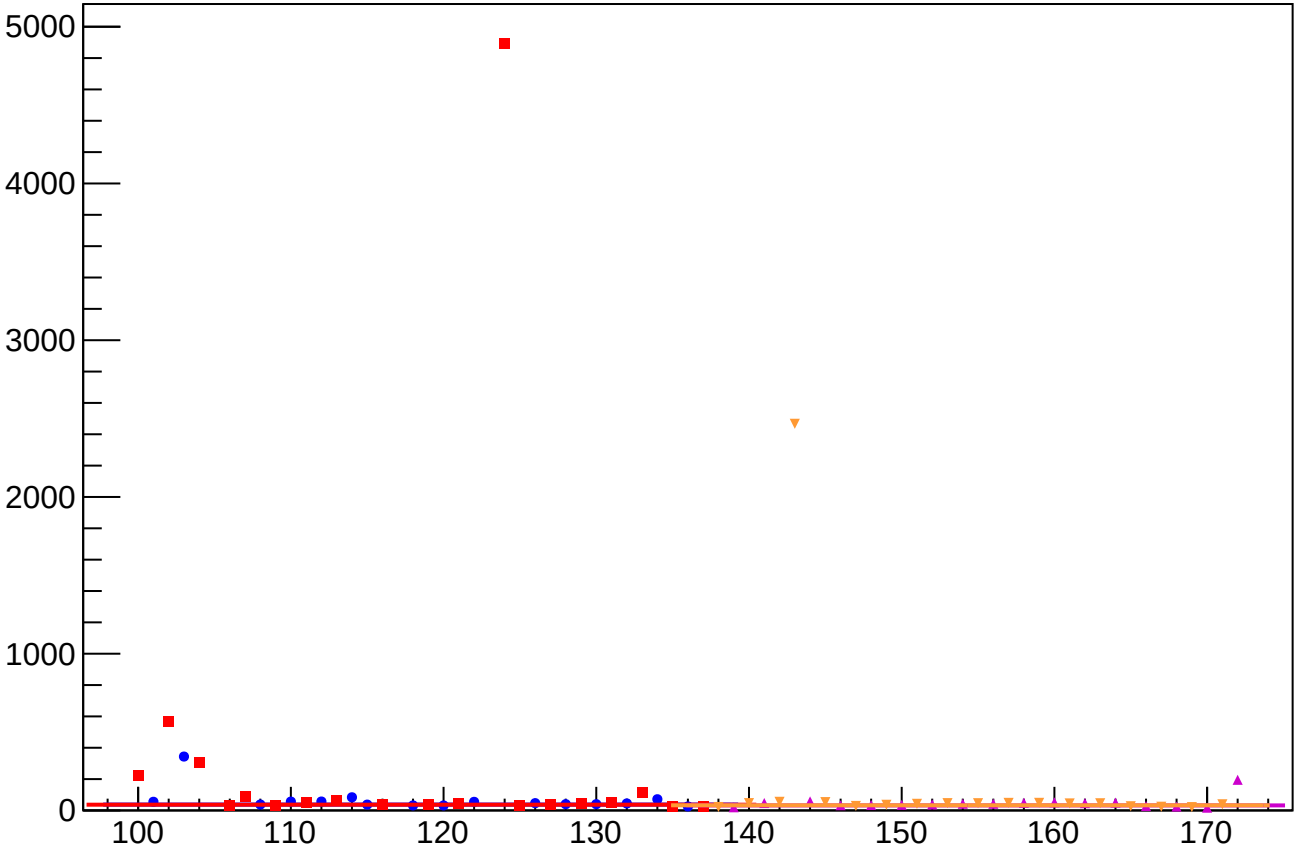
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/32

Out: 0.020+/-0.009 χ^2/NDF:31.0/36

All: 0.007+/-0.006 χ^2/NDF: 67.4/69

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: 32.974+/-0.007 χ^2/NDF:3976031.3/17

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: 32.594+/-0.005 χ^2/NDF: 7821960.4/34

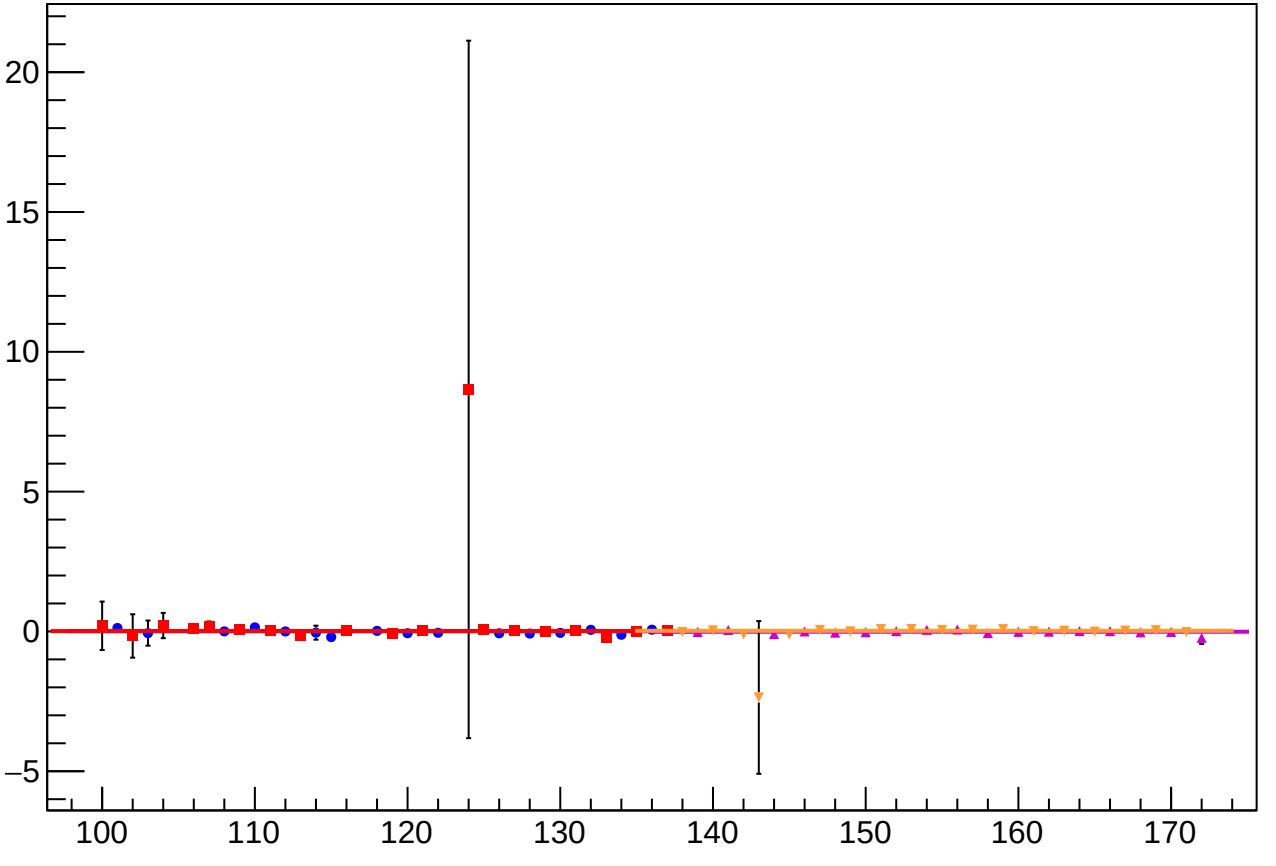
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.696+/-0.006 χ^2/NDF:5978399.0/32

Out: 34.020+/-0.006 χ^2/NDF:7241970.3/36

All: 33.853+/-0.004 χ^2/NDF: 13221787.0/69

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:18.1/17

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: 35.4/34

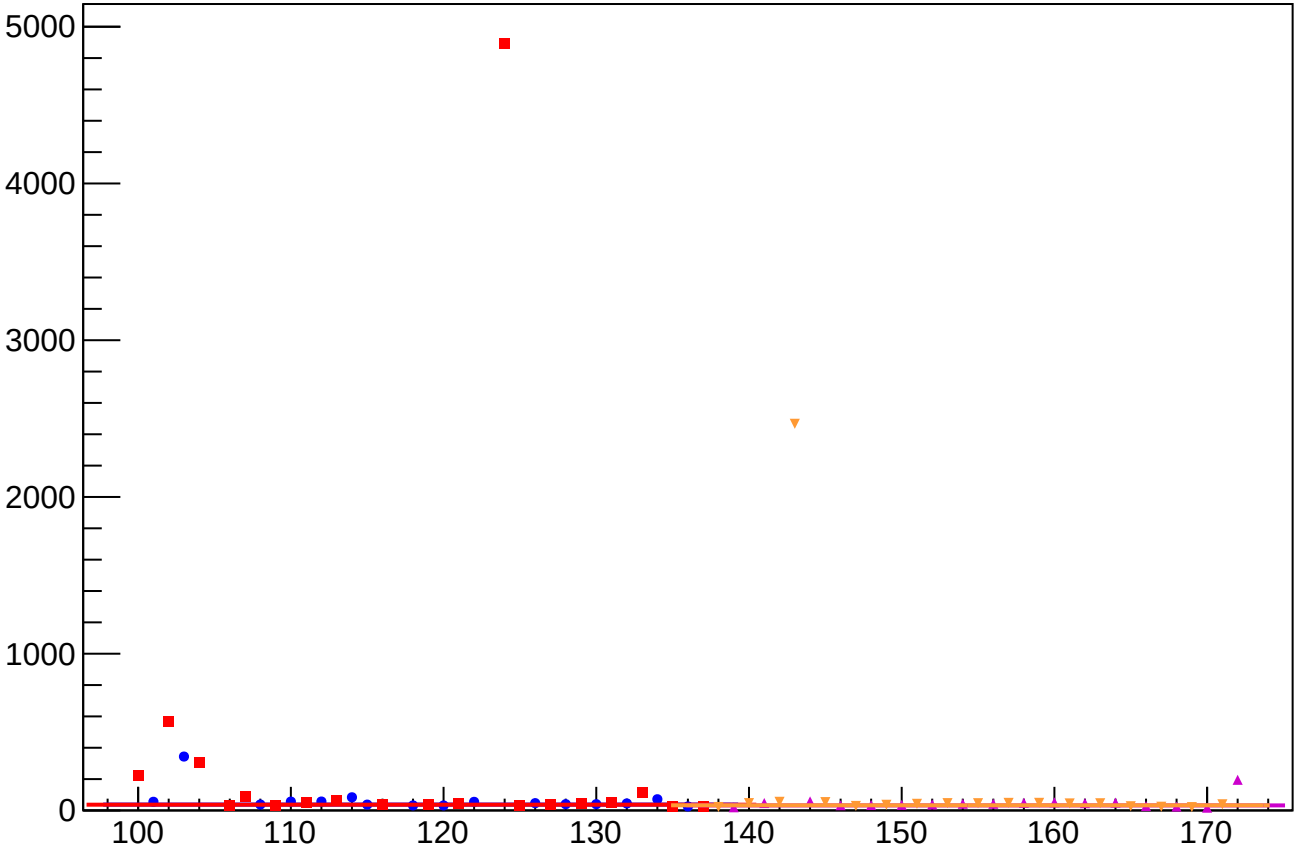
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/32

Out: 0.020+/-0.009 χ^2/NDF:31.0/36

All: 0.007+/-0.006 χ^2/NDF: 67.4/69

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: 32.974+/-0.007 χ^2/NDF:3976031.3/17

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.234+/-0.007 χ^2/NDF:3840563.7/16

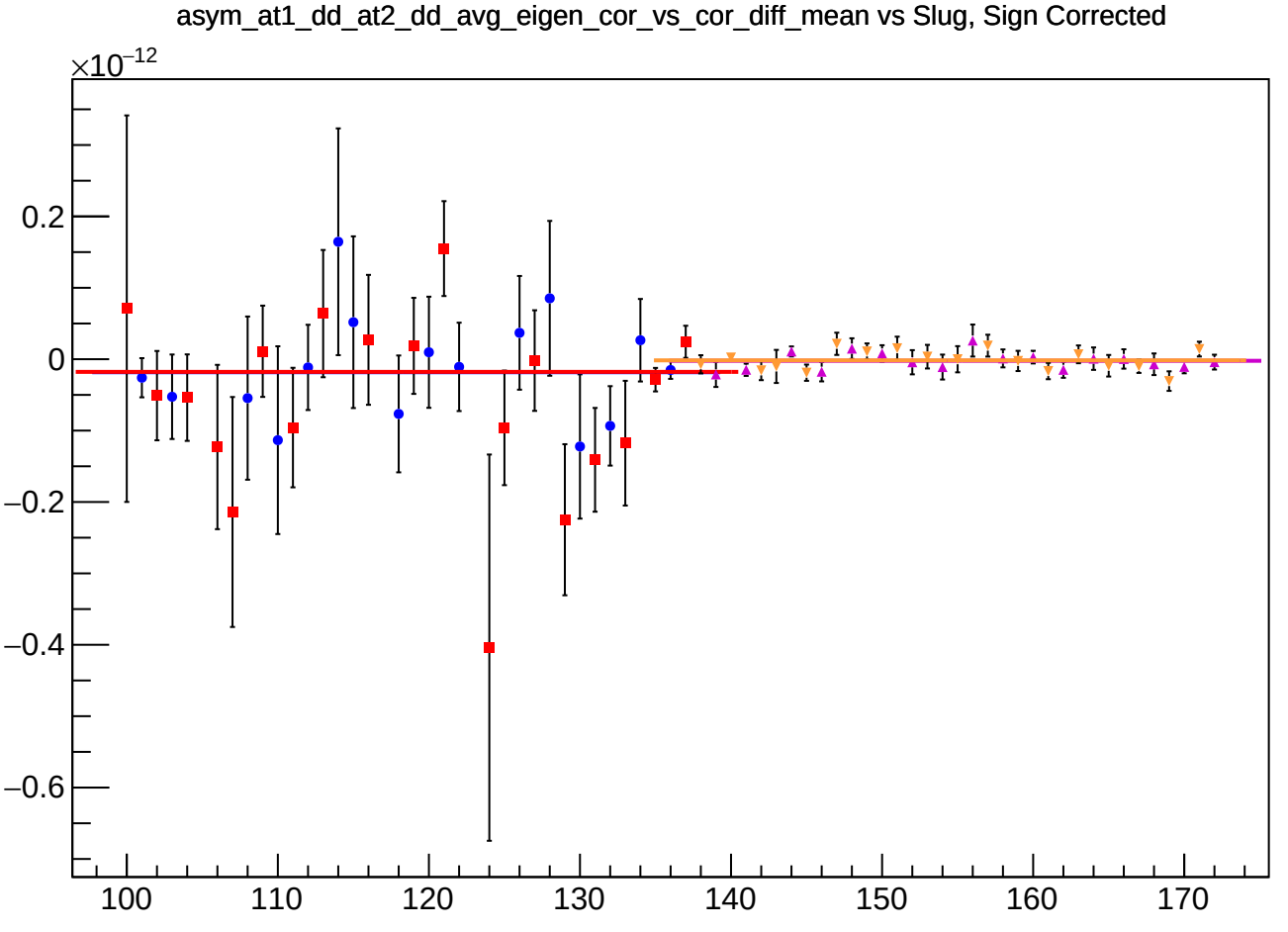
Left: 32.594+/-0.005 χ^2/NDF: 7821960.4/34

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.696+/-0.006 χ^2/NDF:5978399.0/32

Out: 34.020+/-0.006 χ^2/NDF:7241970.3/36

All: 33.853+/-0.004 χ^2/NDF: 13221787.0/69



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.5/17

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:14.8/16

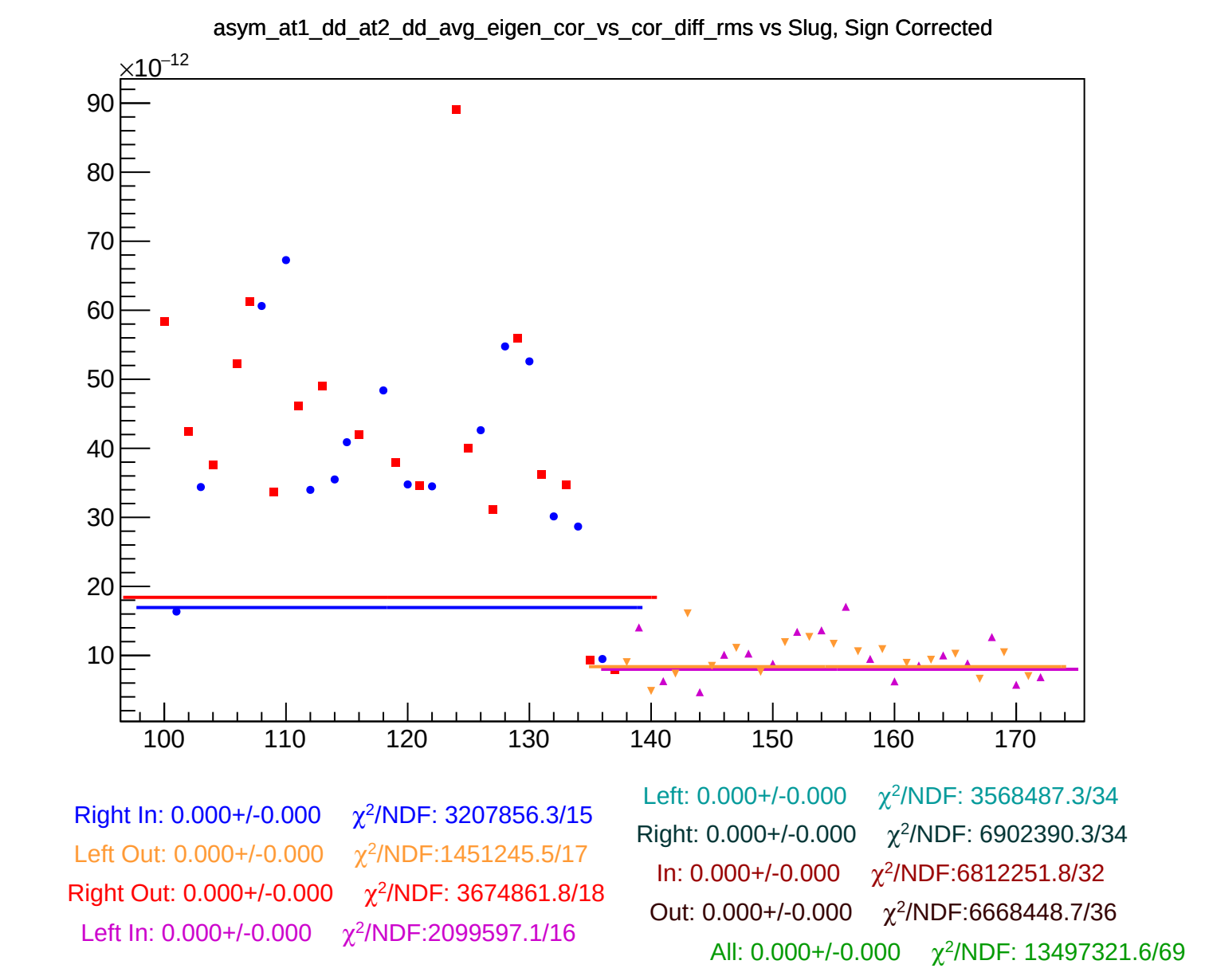
Left: -0.000+/-0.000 χ^2/NDF: 35.3/34

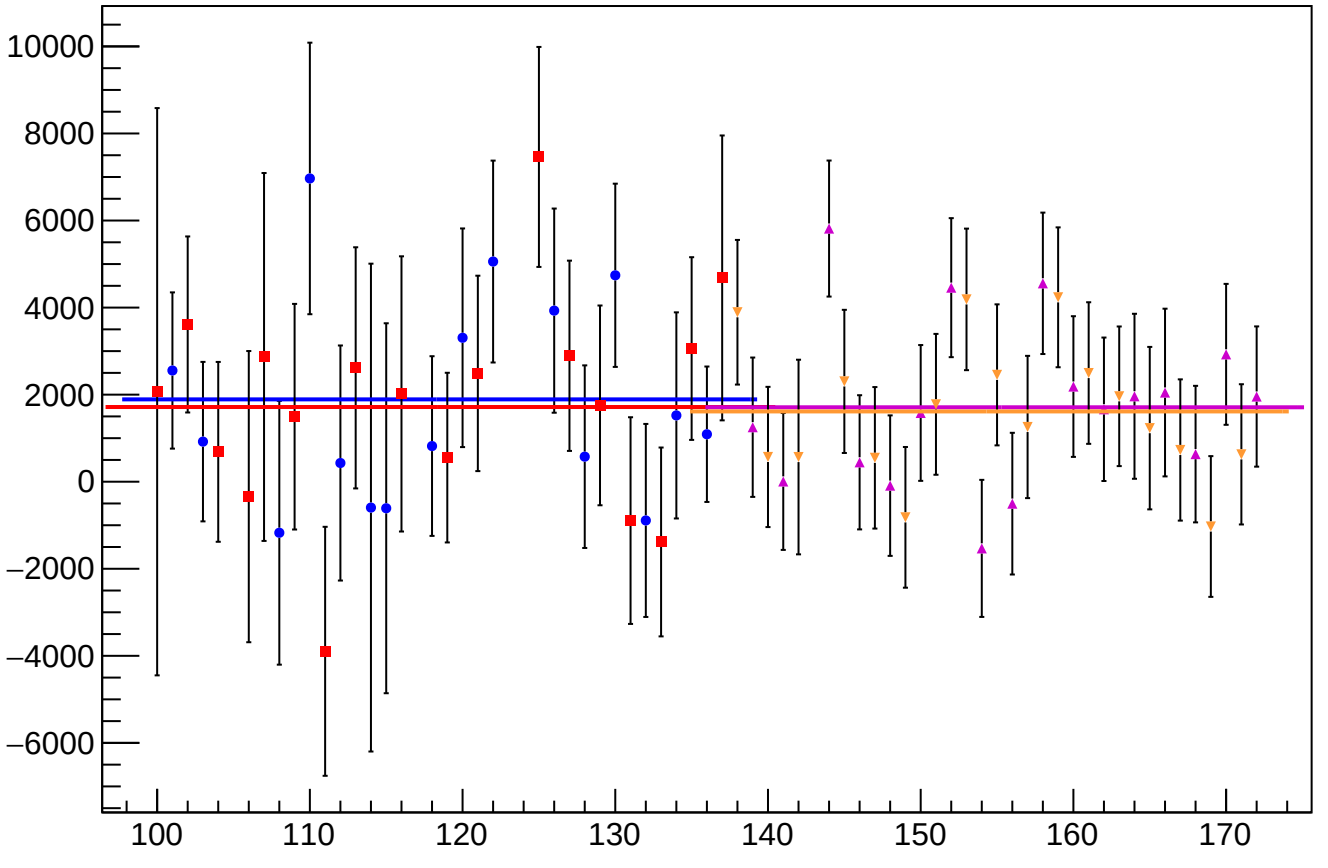
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:25.6/32

Out: -0.000+/-0.000 χ^2/NDF:49.7/36

All: -0.000+/-0.000 χ^2/NDF: 75.3/69


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3207856.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1451245.5/17
Right Out: 0.000+/-0.000 χ²/NDF: 3674861.8/18
Left In: 0.000+/-0.000 χ²/NDF:2099597.1/16
Left: 0.000+/-0.000 χ²/NDF: 3568487.3/34
Right: 0.000+/-0.000 χ²/NDF: 6902390.3/34
In: 0.000+/-0.000 χ²/NDF:6812251.8/32
Out: 0.000+/-0.000 χ²/NDF:6668448.7/36
All: 0.000+/-0.000 χ²/NDF: 13497321.6/69



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1614.653+/-402.132 χ^2/NDF:14.6/16

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1709.643+/-393.907 χ^2/NDF:23.4/16

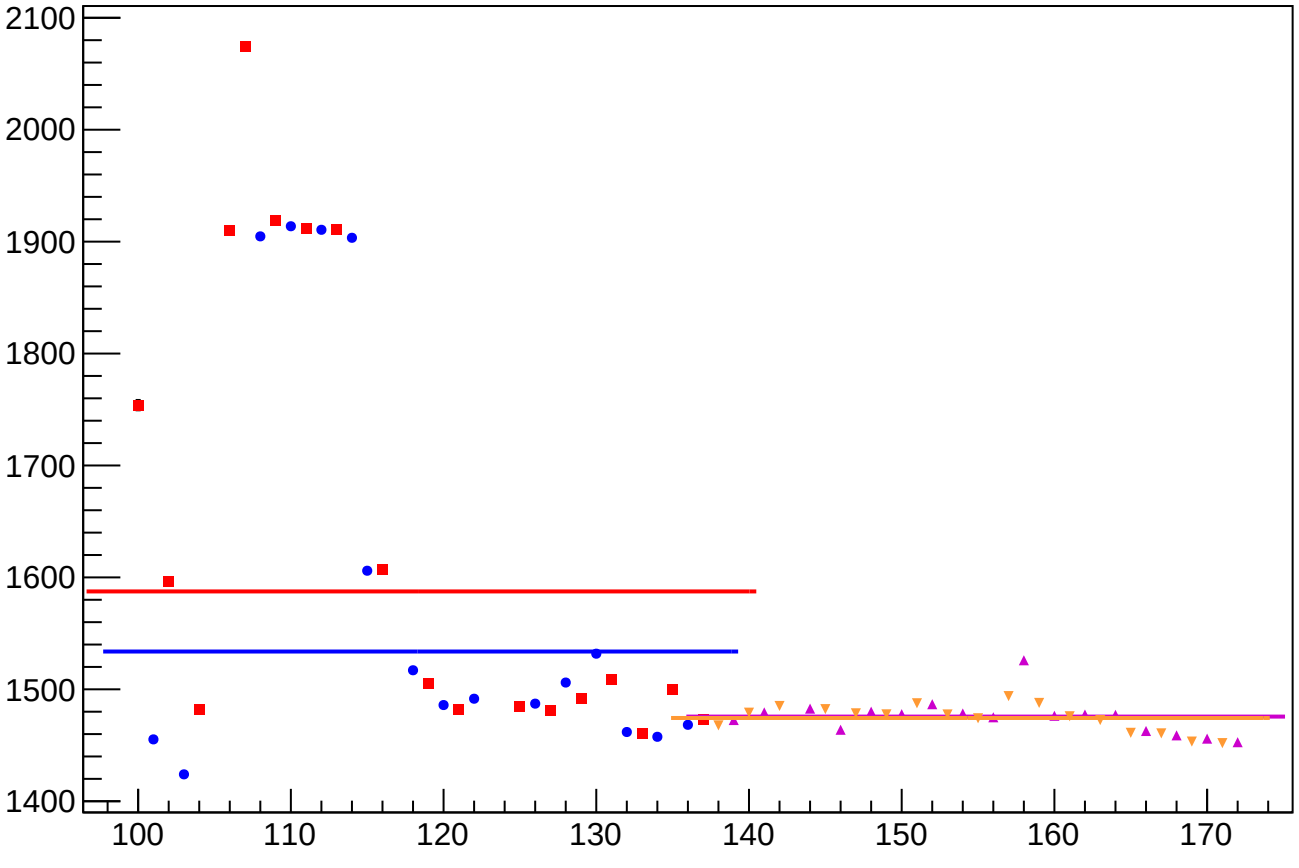
Left: 1663.129+/-281.397 χ^2/NDF: 38.1/33

Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1768.096+/-324.466 χ^2/NDF:35.7/32

Out: 1646.807+/-332.203 χ^2/NDF:30.6/34

All: 1708.880+/-232.119 χ^2/NDF: 66.4/67



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1474.392+/-0.284 χ^2/NDF:1706.1/16

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1475.634+/-0.279 χ^2/NDF:3238.8/16

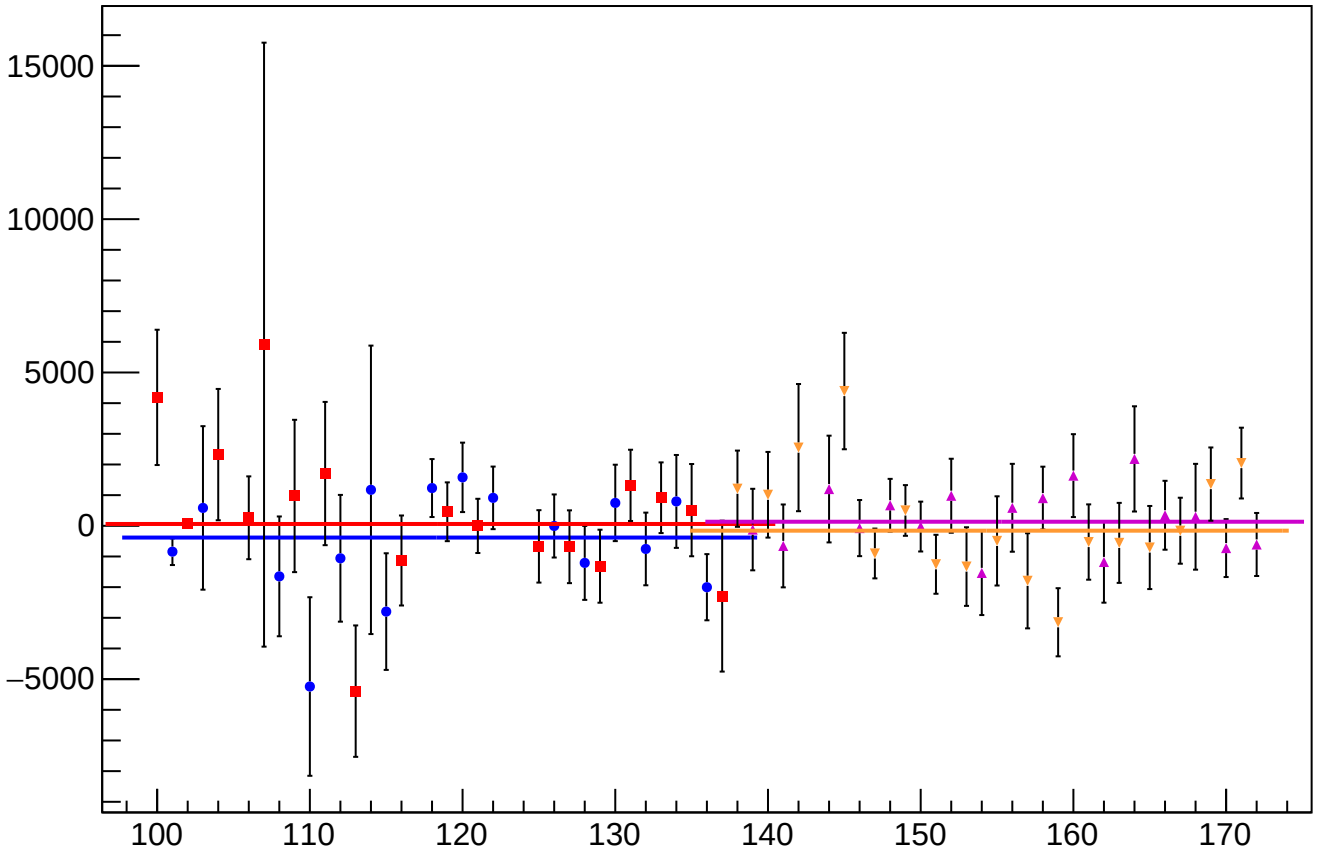
Left: 1475.026+/-0.199 χ^2/NDF: 4954.6/33

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1494.324+/-0.229 χ^2/NDF:146516.8/32

Out: 1510.297+/-0.235 χ^2/NDF:223904.7/34

All: 1502.123+/-0.164 χ^2/NDF: 372787.9/67



Right In: -382.787+/-272.209 χ^2/NDF: 18.2/15

Left Out: -158.395+/-286.909 χ^2/NDF:27.0/16

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: -8.739+/-200.185 χ^2/NDF: 36.4/33

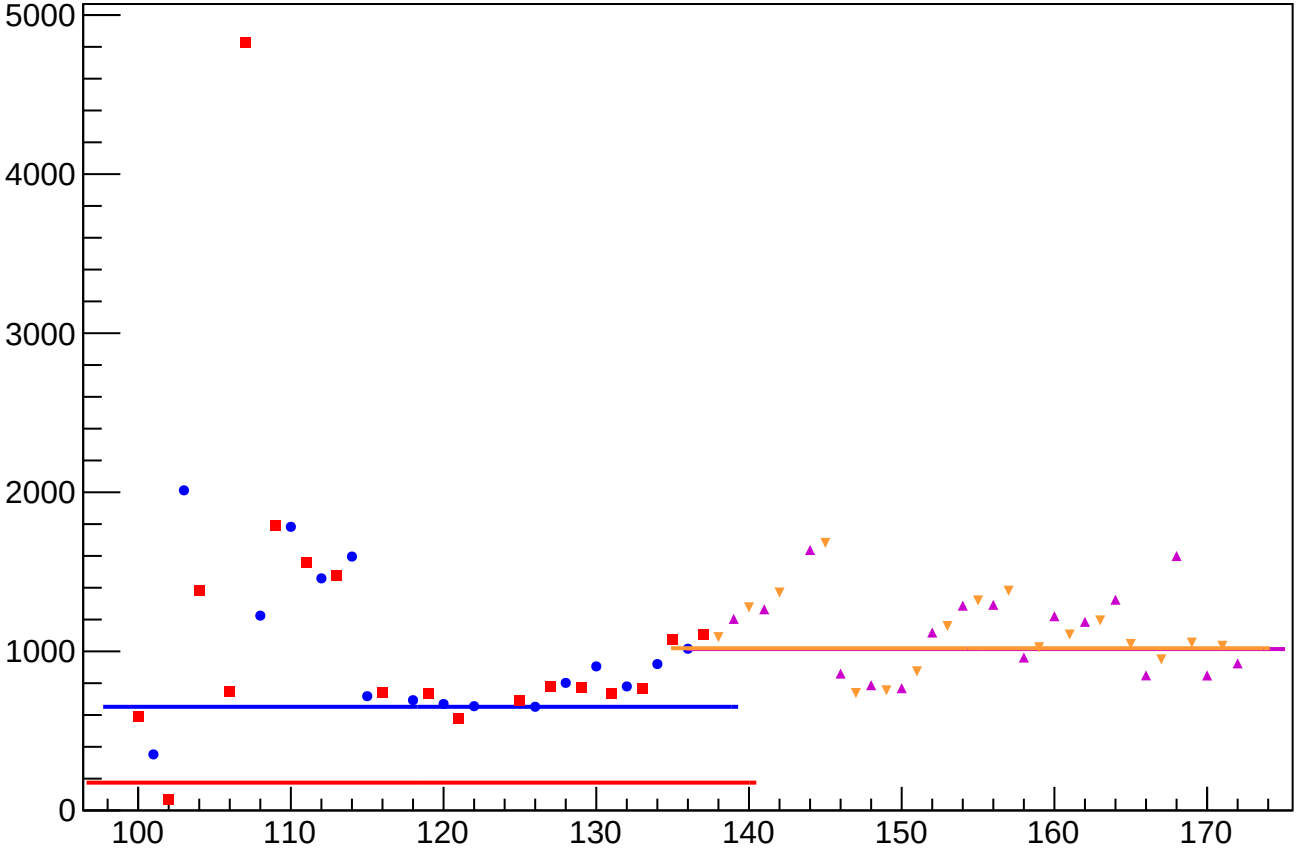
Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -131.546+/-194.989 χ^2/NDF:28.8/32

Out: 23.864+/-116.666 χ^2/NDF:45.2/34

All: -17.105+/-100.114 χ^2/NDF: 74.6/67

asym_usl_atl1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1019.782+/-0.203 χ^2/NDF:1140282.4/16

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1014.475+/-0.198 χ^2/NDF:1414137.6/16

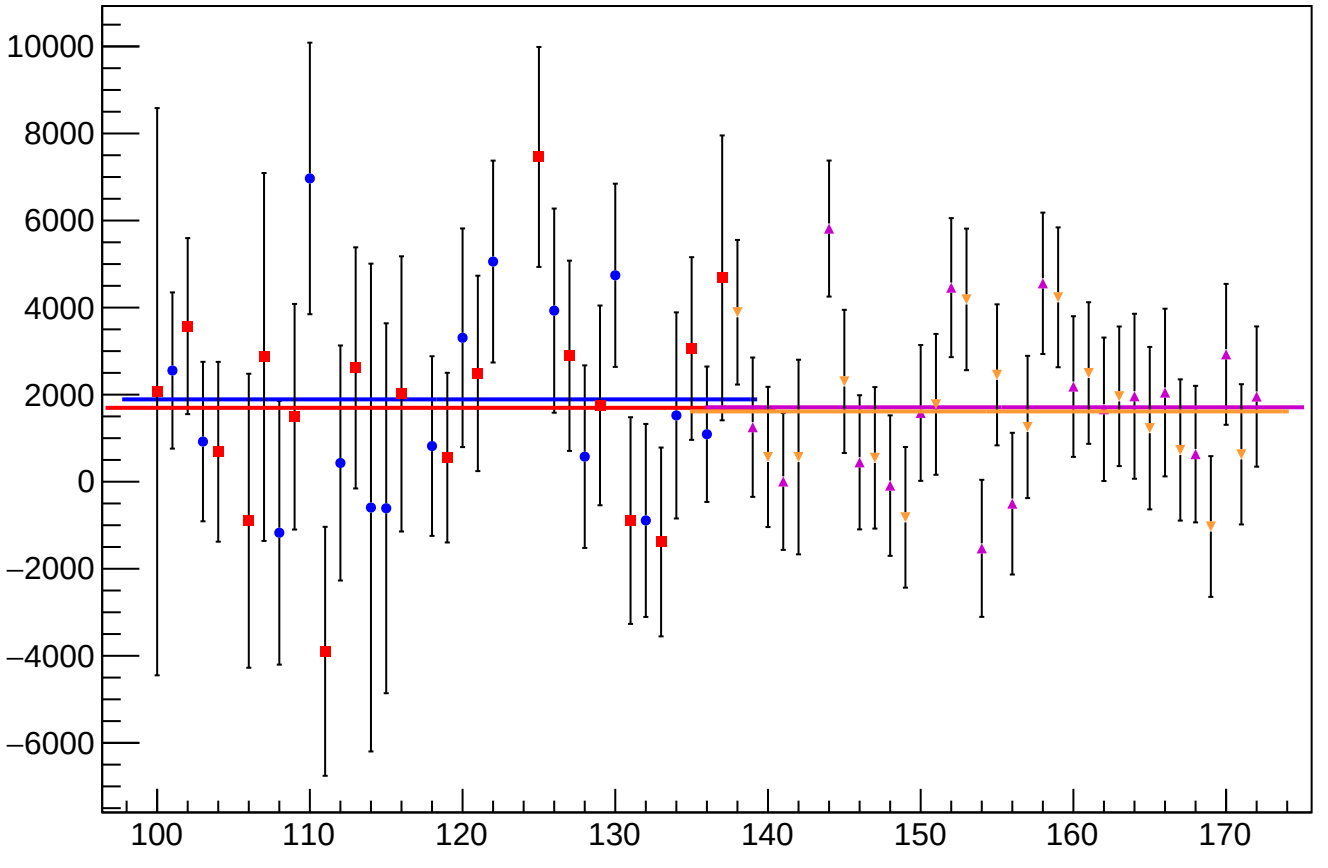
Left: 1017.058+/-0.142 χ^2/NDF: 2554771.2/33

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 828.238+/-0.138 χ^2/NDF:5907992.7/32

Out: 314.599+/-0.082 χ^2/NDF:25377265.4/34

All: 450.003+/-0.071 χ^2/NDF: 41504710.6/67



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1614.643+/-402.132 χ^2/NDF:14.6/16

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: 1663.154+/-281.397 χ^2/NDF: 38.1/33

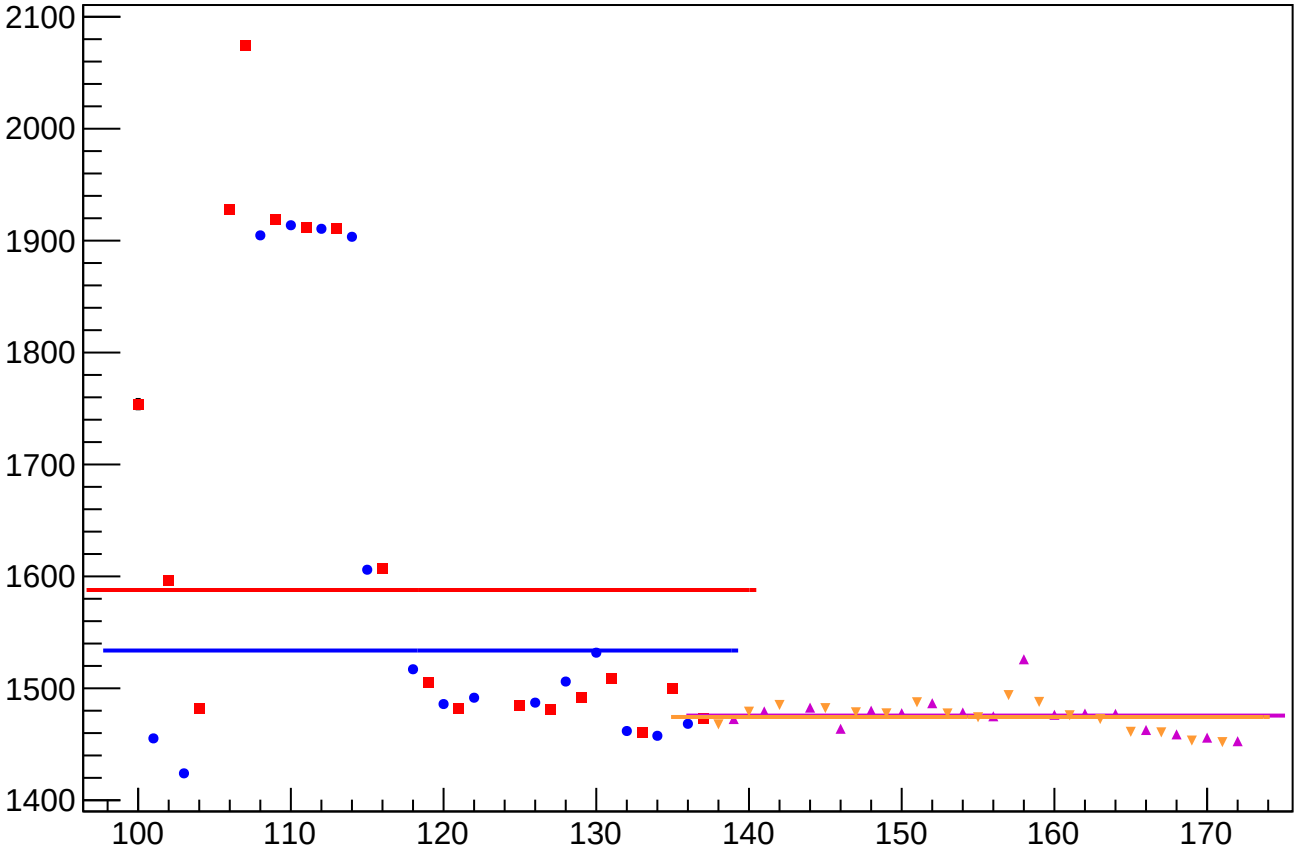
Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1768.168+/-324.466 χ^2/NDF:35.7/32

Out: 1640.781+/-332.236 χ^2/NDF:30.8/34

All: 1705.981+/-232.130 χ^2/NDF: 66.6/67

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1474.392+/-0.284 χ^2/NDF:1706.1/16

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1475.634+/-0.279 χ^2/NDF:3238.8/16

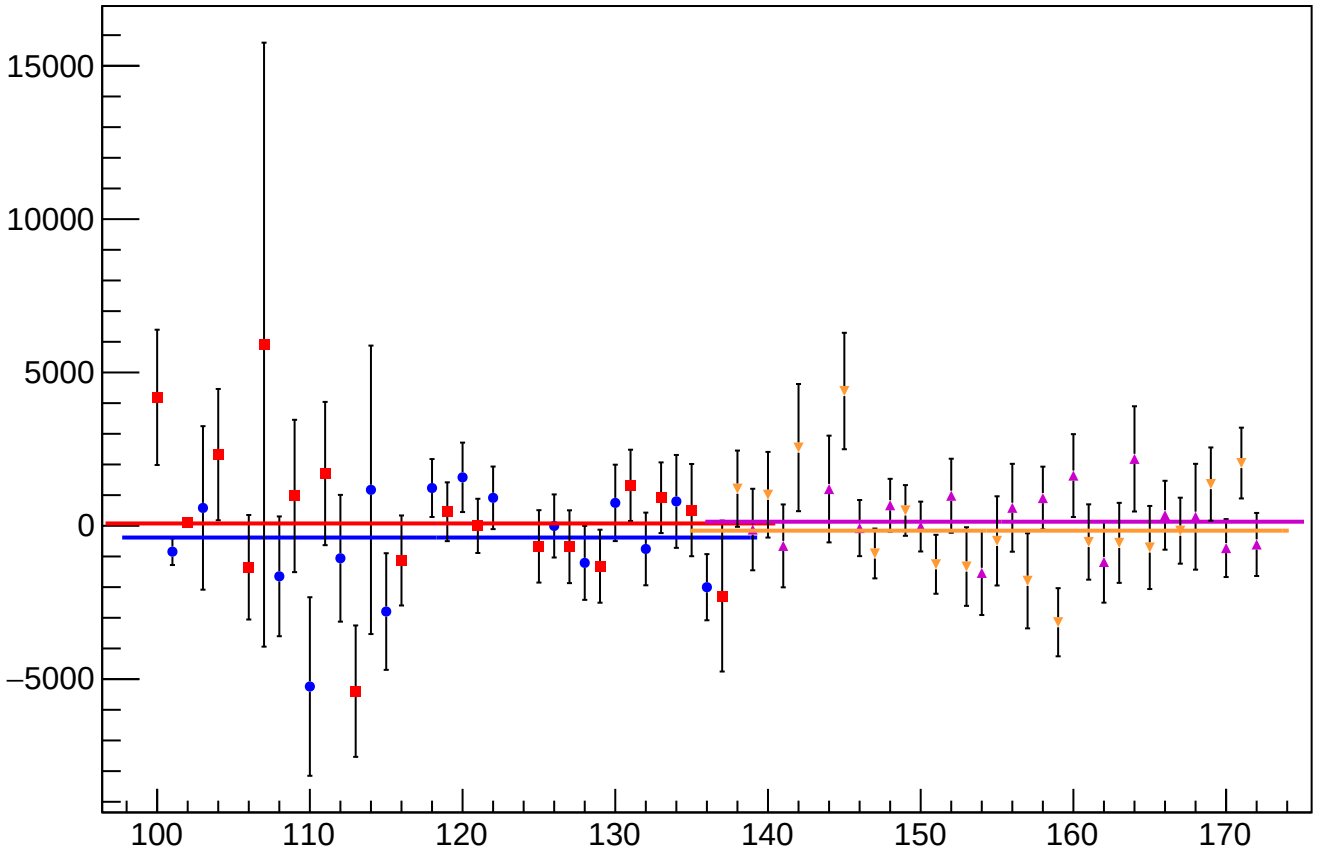
Left: 1475.026+/-0.199 χ^2/NDF: 4954.6/33

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1494.325+/-0.229 χ^2/NDF:146516.8/32

Out: 1510.405+/-0.235 χ^2/NDF:226004.6/34

All: 1502.174+/-0.164 χ^2/NDF: 374919.3/67



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -158.385+/-286.909 χ^2/NDF:27.0/16

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 133.276+/-279.447 χ^2/NDF:8.9/16

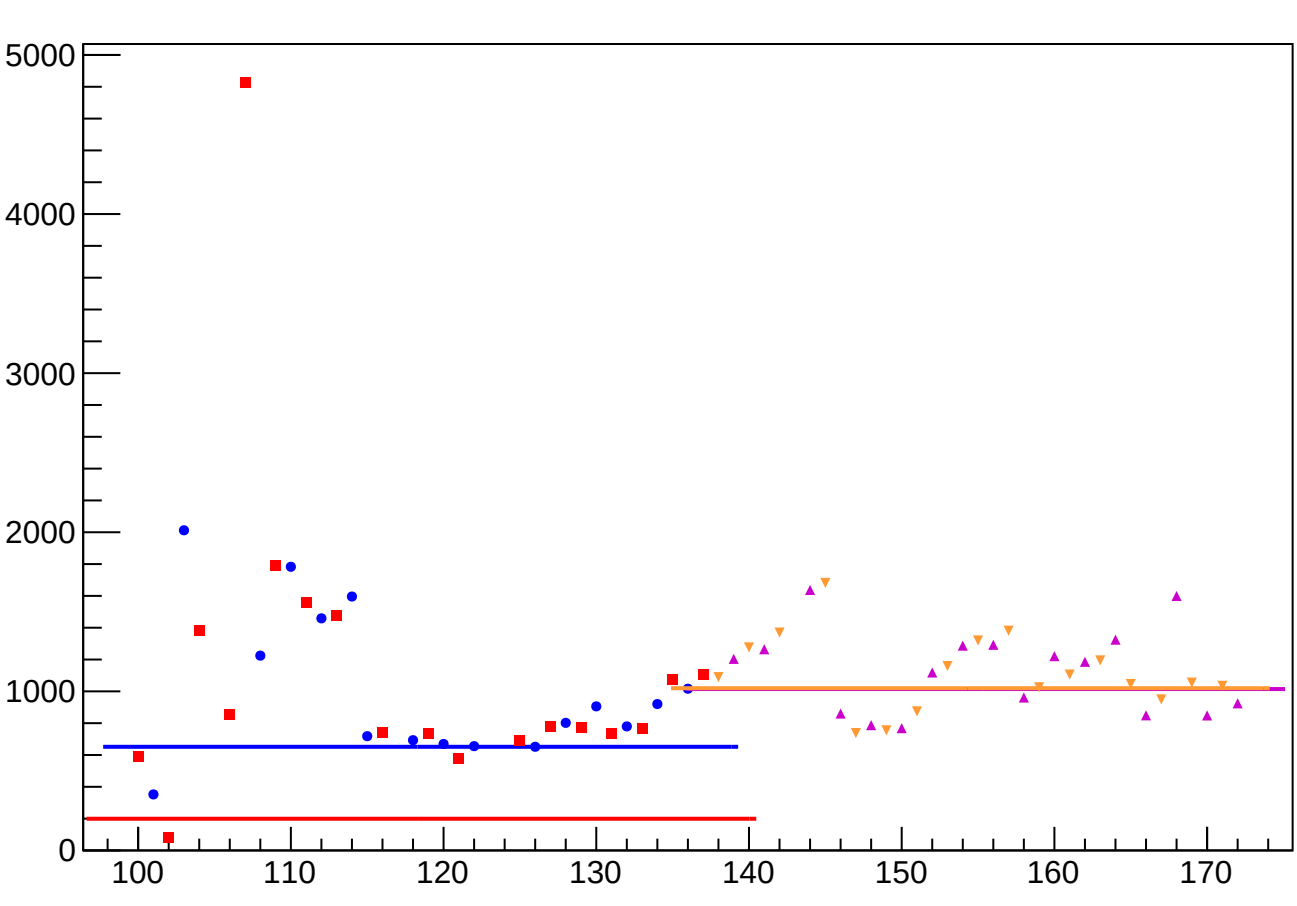
Left: -8.712+/-200.185 χ^2/NDF: 36.4/33

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -131.512+/-194.989 χ^2/NDF:28.8/32

Out: 32.504+/-124.463 χ^2/NDF:46.0/34

All: -14.976+/-104.912 χ^2/NDF: 75.4/67



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1019.785+/-0.203 χ^2/NDF:1140294.2/16

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1014.474+/-0.198 χ^2/NDF:1414231.6/16

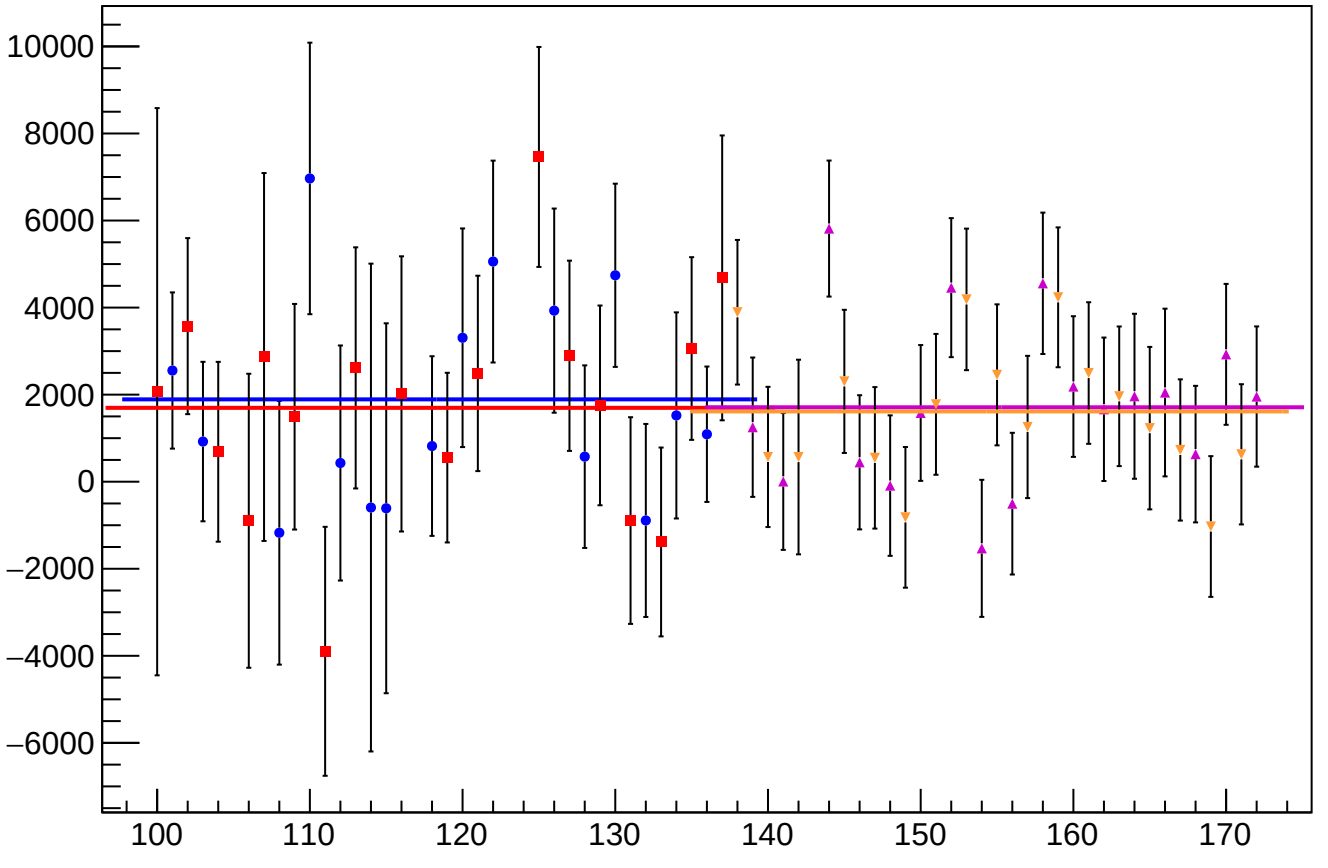
Left: 1017.060+/-0.142 χ^2/NDF: 2554877.4/33

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 828.236+/-0.138 χ^2/NDF:5908121.3/32

Out: 353.739+/-0.088 χ^2/NDF:23701844.5/34

All: 491.100+/-0.074 χ^2/NDF: 38024838.3/67



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1614.643+/-402.132 χ^2/NDF:14.6/16

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1709.700+/-393.907 χ^2/NDF:23.4/16

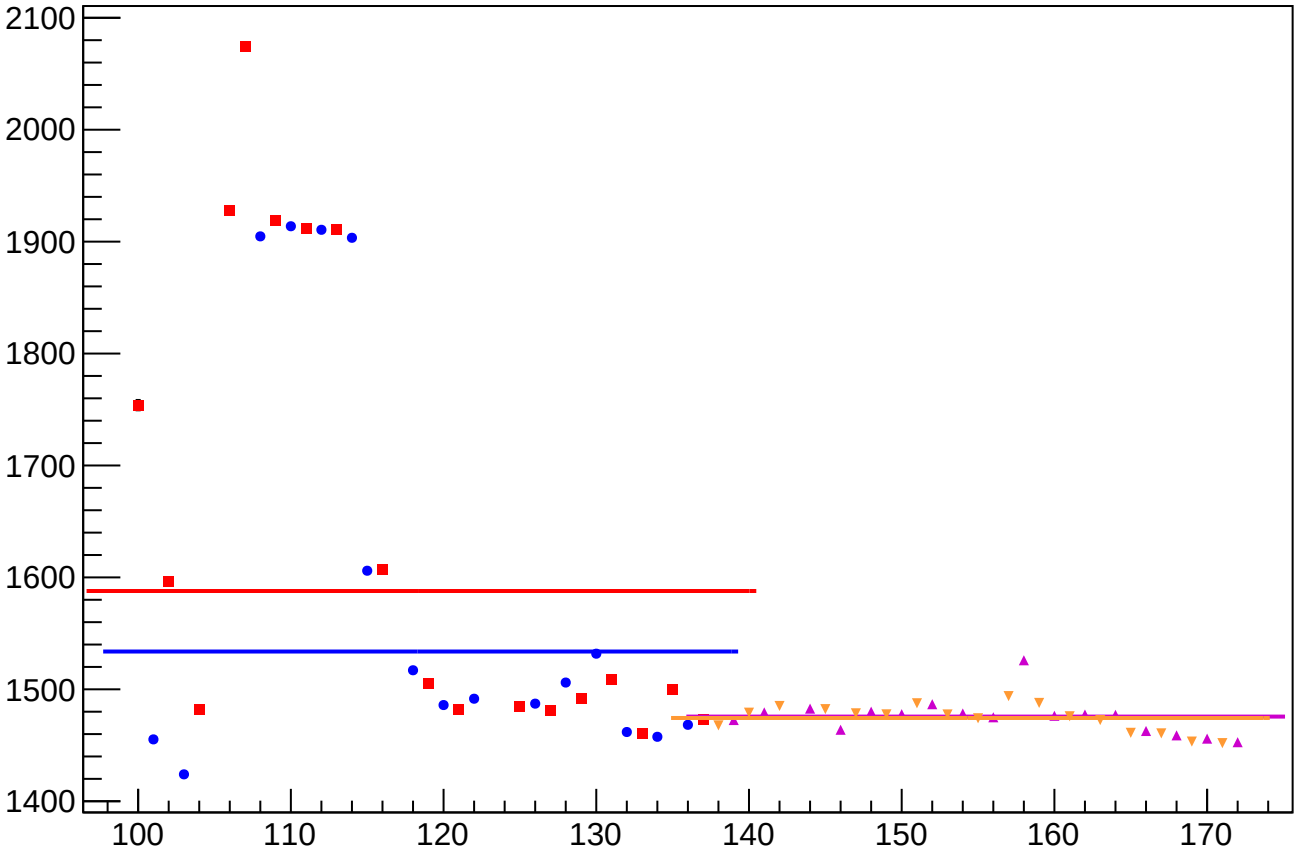
Left: 1663.154+/-281.397 χ^2/NDF: 38.1/33

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1768.168+/-324.466 χ^2/NDF:35.7/32

Out: 1640.781+/-332.236 χ^2/NDF:30.8/34

All: 1705.981+/-232.130 χ^2/NDF: 66.6/67



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1474.392+/-0.284 χ^2/NDF:1706.1/16

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1475.634+/-0.279 χ^2/NDF:3238.8/16

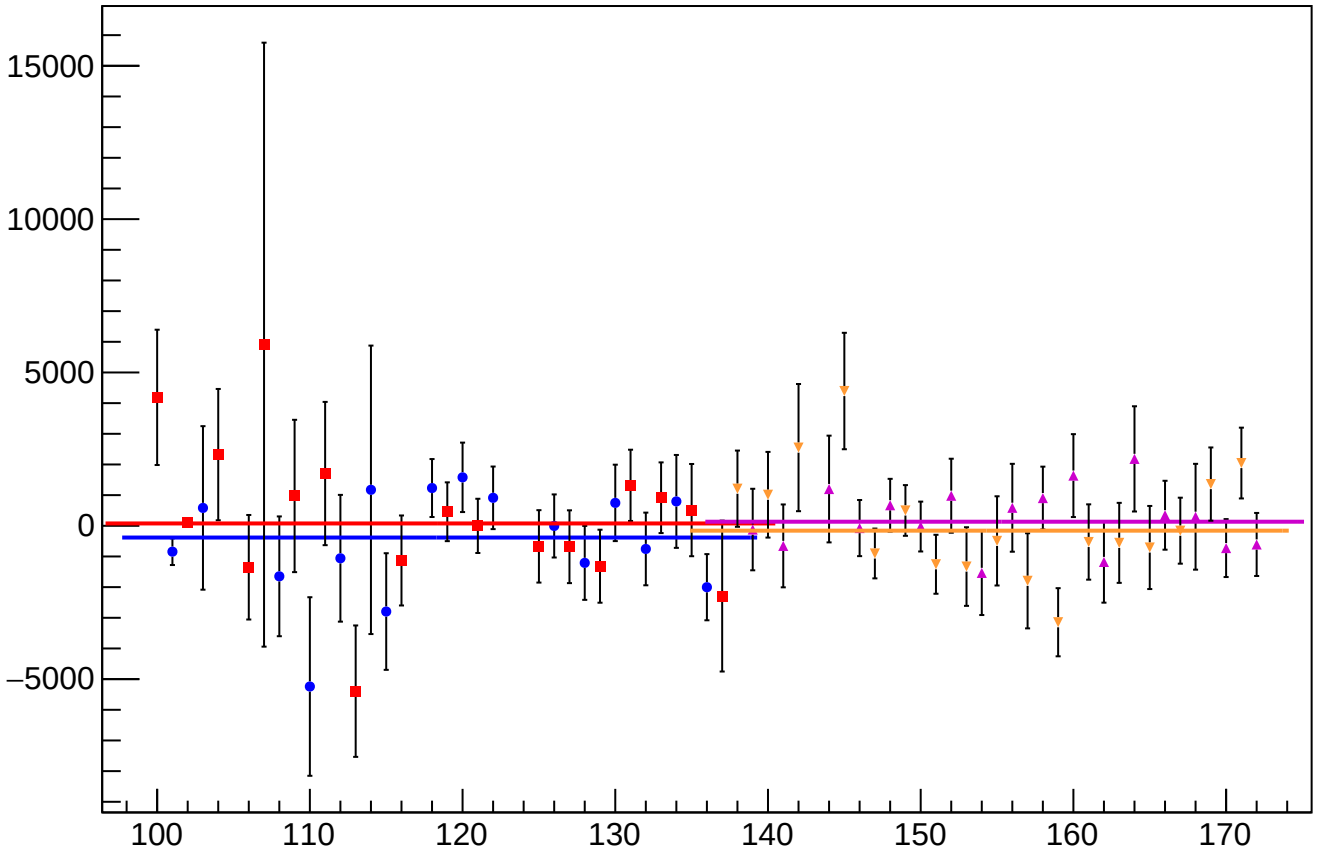
Left: 1475.026+/-0.199 χ^2/NDF: 4954.6/33

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1494.325+/-0.229 χ^2/NDF:146516.8/32

Out: 1510.405+/-0.235 χ^2/NDF:226004.6/34

All: 1502.174+/-0.164 χ^2/NDF: 374919.3/67



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -158.385+/-286.909 χ^2/NDF:27.0/16

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: -8.712+/-200.185 χ^2/NDF: 36.4/33

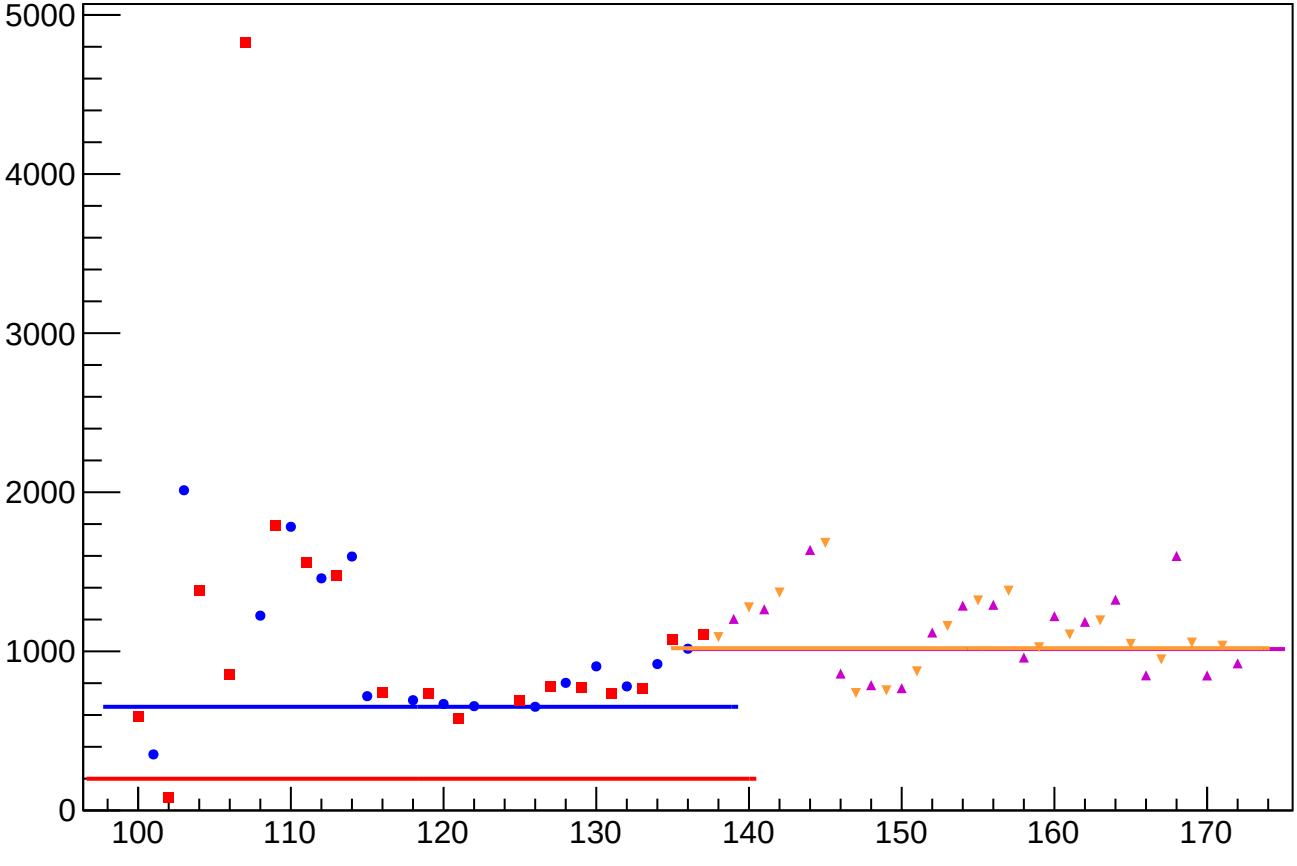
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -131.512+/-194.989 χ^2/NDF:28.8/32

Out: 32.504+/-124.463 χ^2/NDF:46.0/34

All: -14.976+/-104.912 χ^2/NDF: 75.4/67

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: 1019.785+/-0.203 χ^2/NDF:1140294.2/16

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1014.474+/-0.198 χ^2/NDF:1414231.6/16

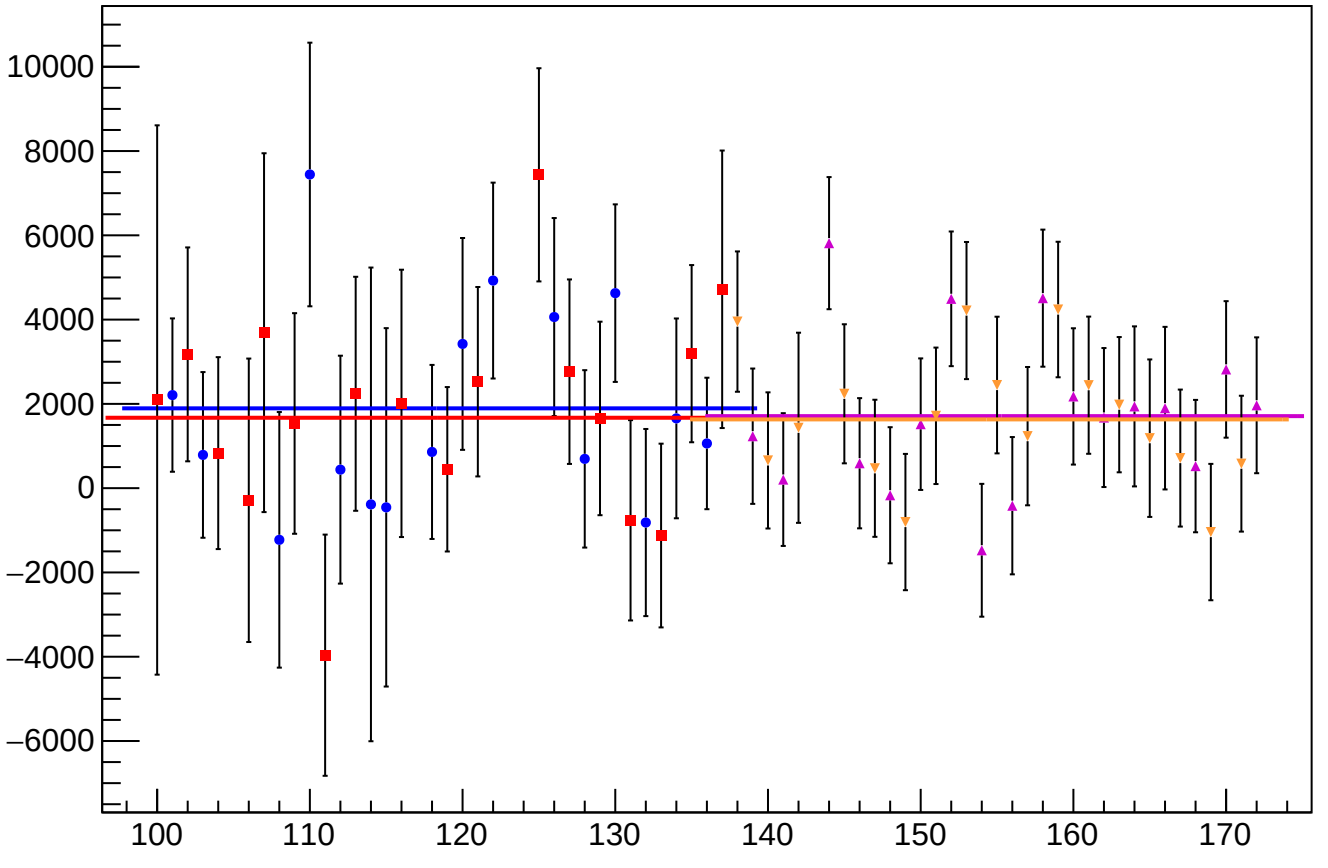
Left: 1017.060+/-0.142 χ^2/NDF: 2554877.4/33

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 828.236+/-0.138 χ^2/NDF:5908121.3/32

Out: 353.739+/-0.088 χ^2/NDF:23701844.5/34

All: 491.100+/-0.074 χ^2/NDF: 38024838.3/67



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1631.582+/-402.826 χ^2/NDF:14.5/16

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: 1671.328+/-281.836 χ^2/NDF: 37.2/33

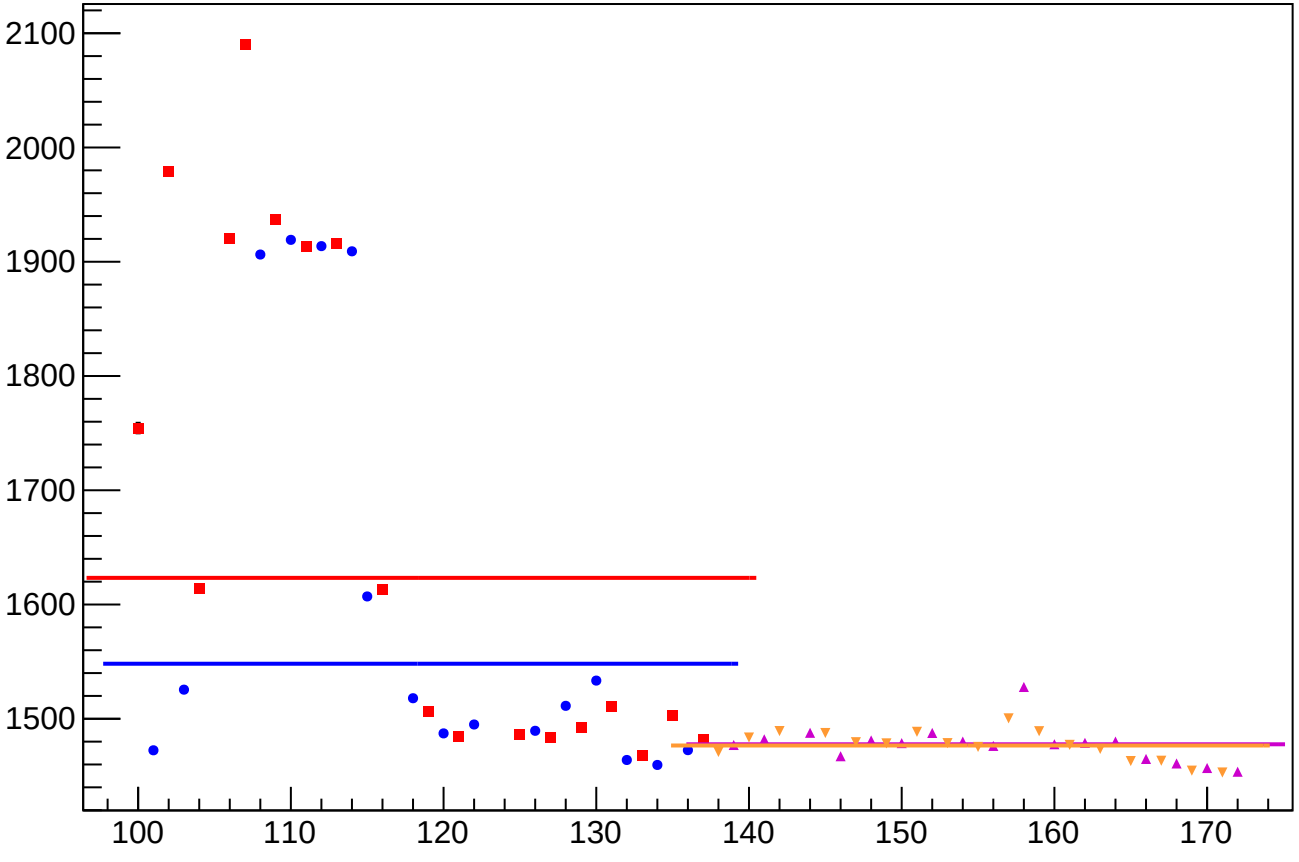
Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1768.189+/-325.749 χ^2/NDF:35.0/32

Out: 1643.674+/-335.273 χ^2/NDF:29.6/34

All: 1707.725+/-233.634 χ^2/NDF: 64.7/67

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1476.618+/-0.285 χ^2/NDF:1921.5/16

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1477.676+/-0.279 χ^2/NDF:3278.9/16

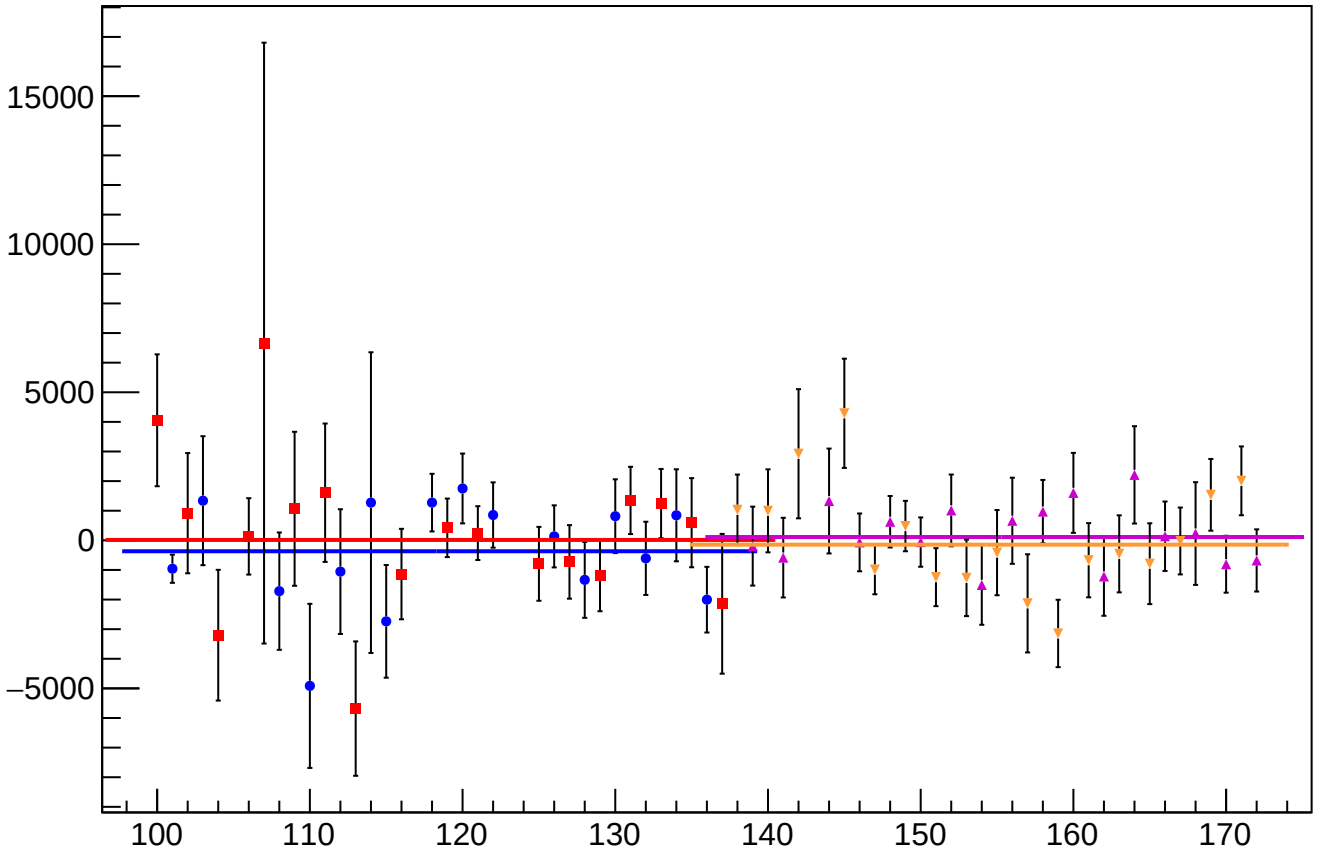
Left: 1477.158+/-0.199 χ^2/NDF: 5207.5/33

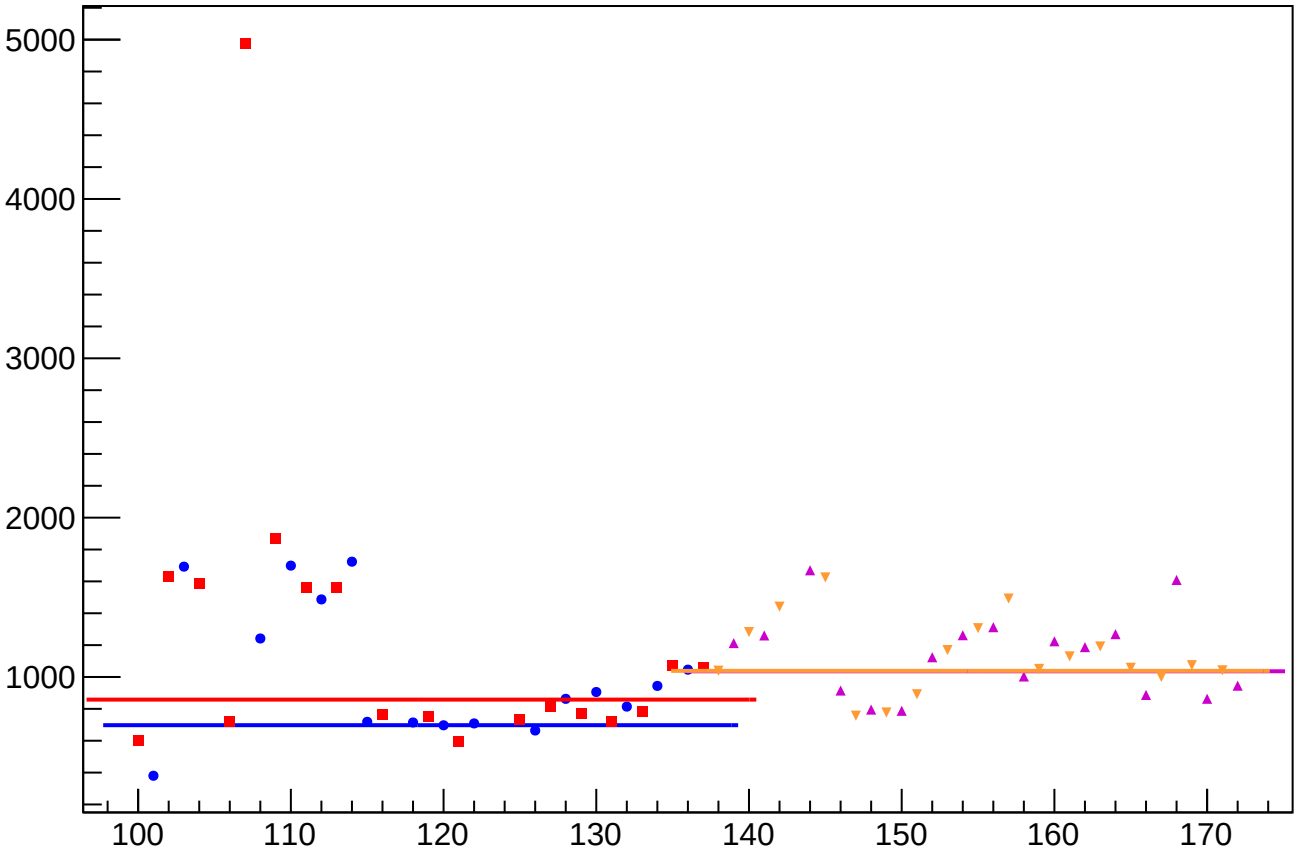
Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1500.096+/-0.230 χ^2/NDF:143500.9/32

Out: 1521.698+/-0.237 χ^2/NDF:294973.4/34

All: 1510.586+/-0.165 χ^2/NDF: 442745.3/67


asym_usl_atl1_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
Right In: -368.708+/-286.577 χ²/NDF: 18.9/15
Left Out: -145.599+/-291.446 χ²/NDF:27.2/16
Right Out: 13.729+/-341.569 χ²/NDF: 19.1/17
Left In: 111.546+/-284.350 χ²/NDF:9.3/16
Left: -13.859+/-203.528 χ²/NDF: 37.0/33
Right: -210.716+/-219.541 χ²/NDF: 38.7/33
In: -126.708+/-201.848 χ²/NDF:29.6/32
Out: -78.472+/-221.707 χ²/NDF:46.4/34
All: -104.847+/-149.256 χ²/NDF: 76.1/67



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1038.518+/-0.206 χ^2/NDF:1074542.7/16

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1035.821+/-0.201 χ^2/NDF:1284810.0/16

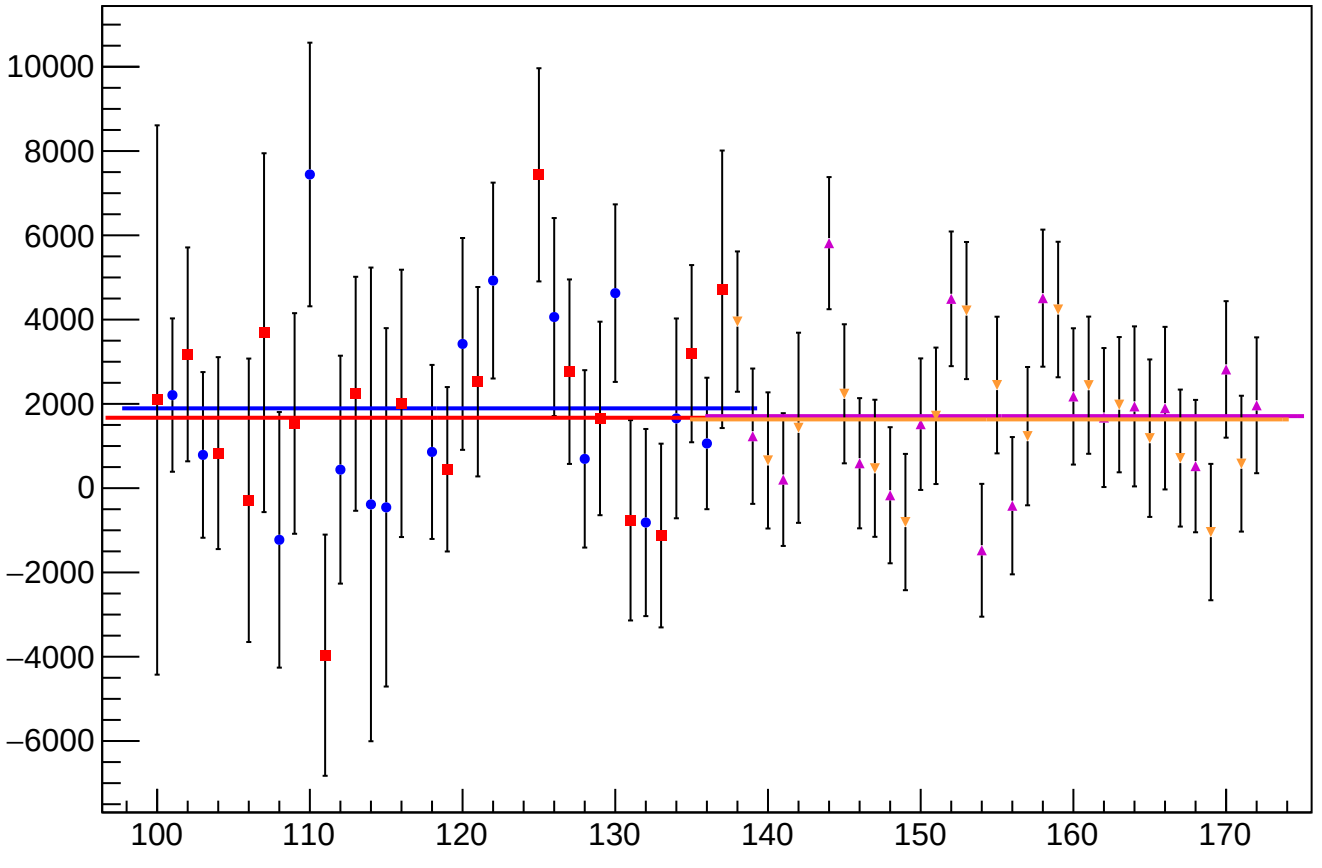
Left: 1037.136+/-0.144 χ^2/NDF: 2359440.5/33

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 867.988+/-0.143 χ^2/NDF:5124869.0/32

Out: 962.504+/-0.157 χ^2/NDF:3279631.7/34

All: 910.824+/-0.106 χ^2/NDF: 8603244.7/67



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1631.580+/-402.826 χ^2/NDF:14.5/16

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: 1671.328+/-281.836 χ^2/NDF: 37.2/33

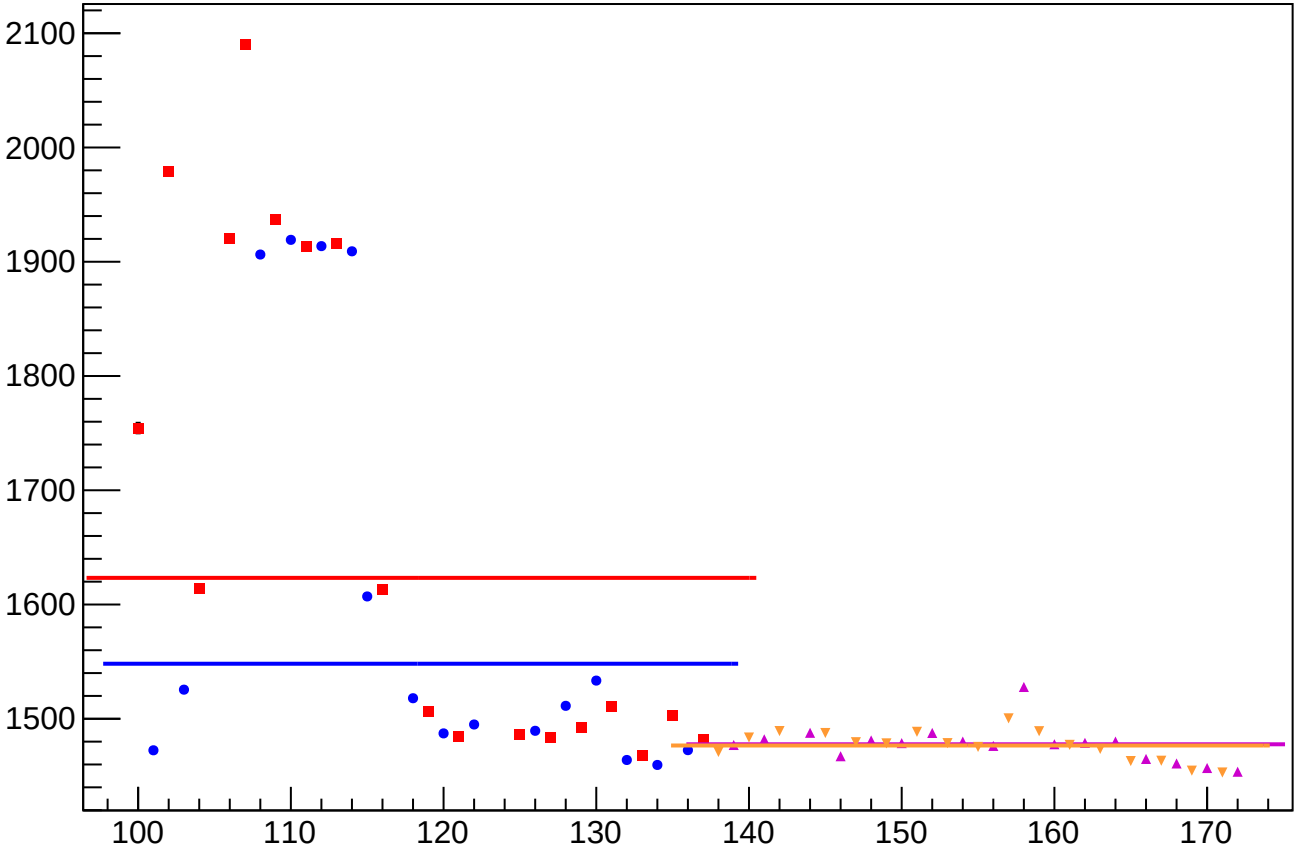
Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1768.189+/-325.749 χ^2/NDF:35.0/32

Out: 1643.672+/-335.273 χ^2/NDF:29.6/34

All: 1707.724+/-233.634 χ^2/NDF: 64.7/67

eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1476.618+/-0.285 χ^2/NDF:1921.5/16

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: 1477.158+/-0.199 χ^2/NDF: 5207.5/33

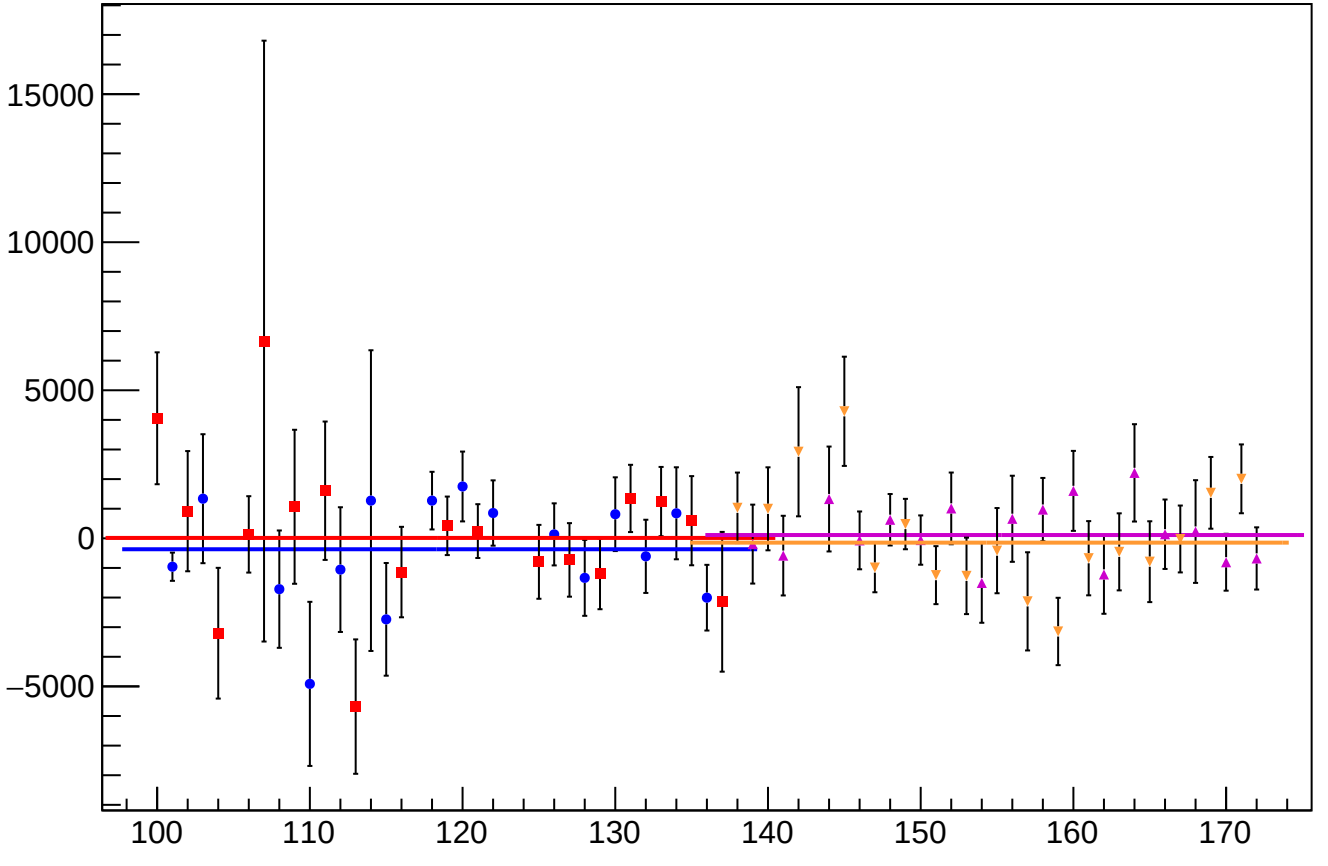
Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1500.096+/-0.230 χ^2/NDF:143500.8/32

Out: 1521.698+/-0.237 χ^2/NDF:294973.0/34

All: 1510.586+/-0.165 χ^2/NDF: 442744.8/67

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: -145.602+/-291.446 χ^2/NDF:27.2/16

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: -13.860+/-203.528 χ^2/NDF: 37.0/33

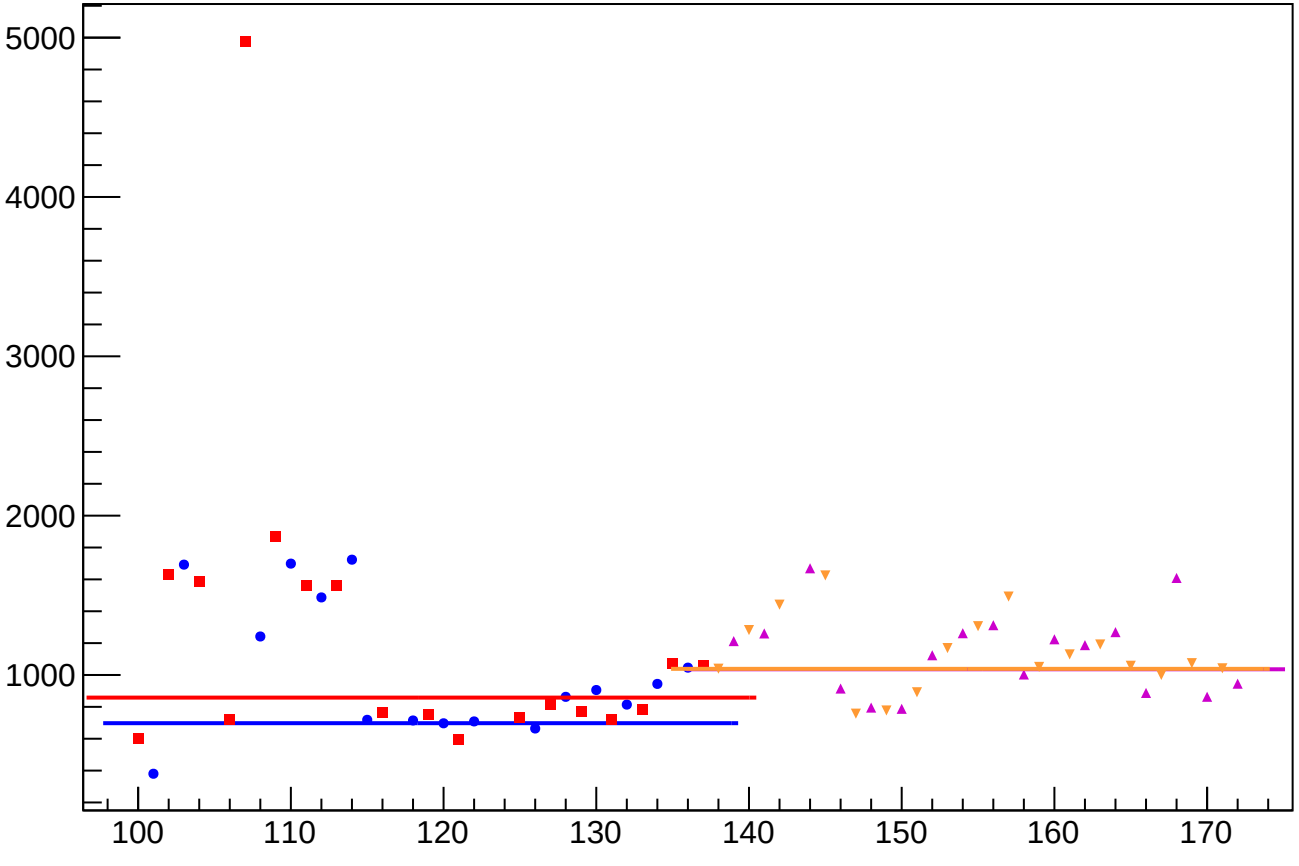
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -126.708+/-201.849 χ^2/NDF:29.6/32

Out: -78.473+/-221.707 χ^2/NDF:46.4/34

All: -104.847+/-149.256 χ^2/NDF: 76.1/67

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: 1038.520+/-0.206 χ^2/NDF:1074540.4/16

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1035.823+/-0.201 χ^2/NDF:1284806.7/16

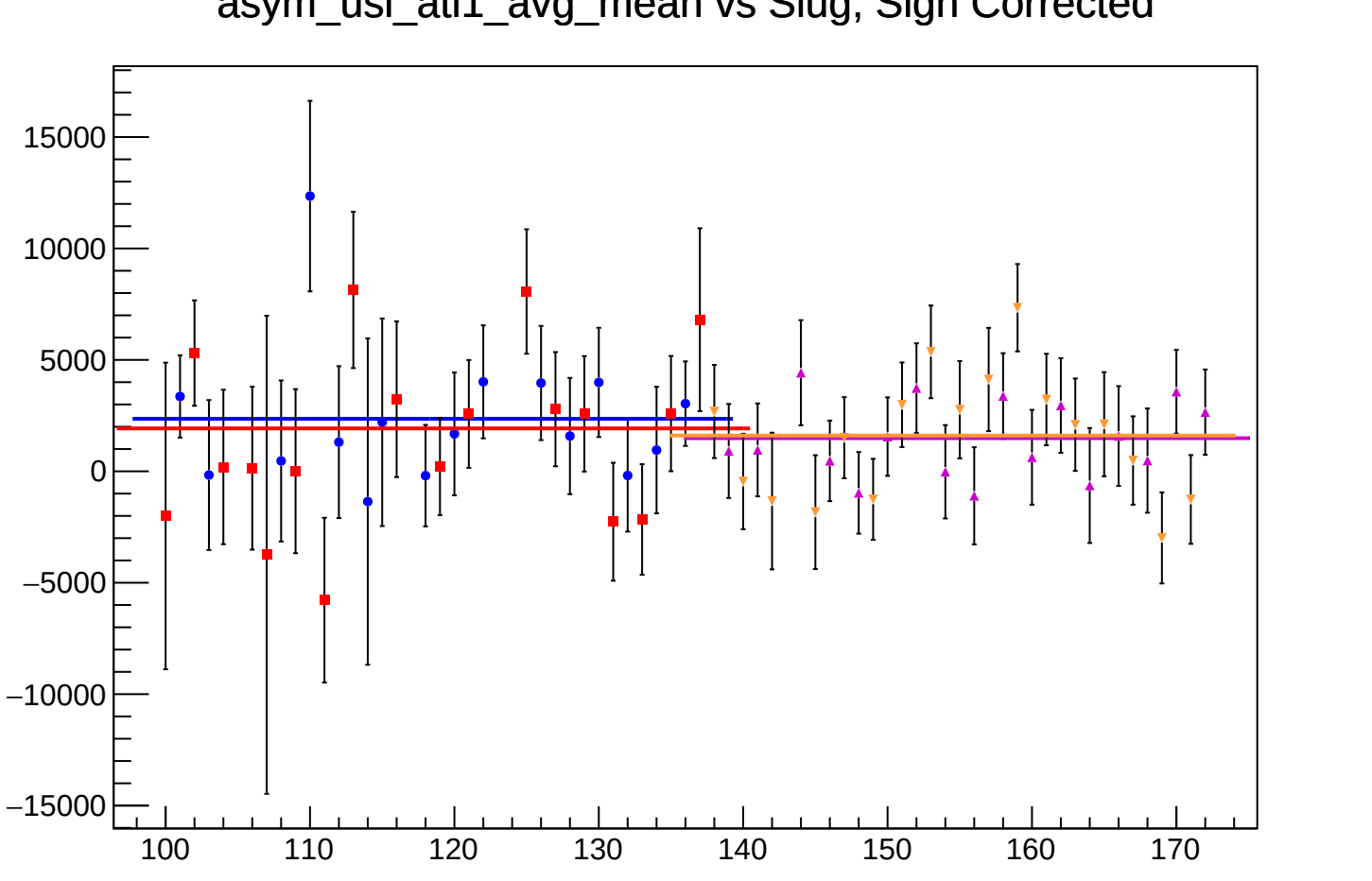
Left: 1037.138+/-0.144 χ^2/NDF: 2359434.9/33

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 867.989+/-0.143 χ^2/NDF:5124869.5/32

Out: 962.504+/-0.157 χ^2/NDF:3279650.9/34

All: 910.825+/-0.106 χ^2/NDF: 8603262.0/67



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1605.386+/-507.924 χ^2/NDF:28.4/16

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: 1544.971+/-355.193 χ^2/NDF: 39.5/33

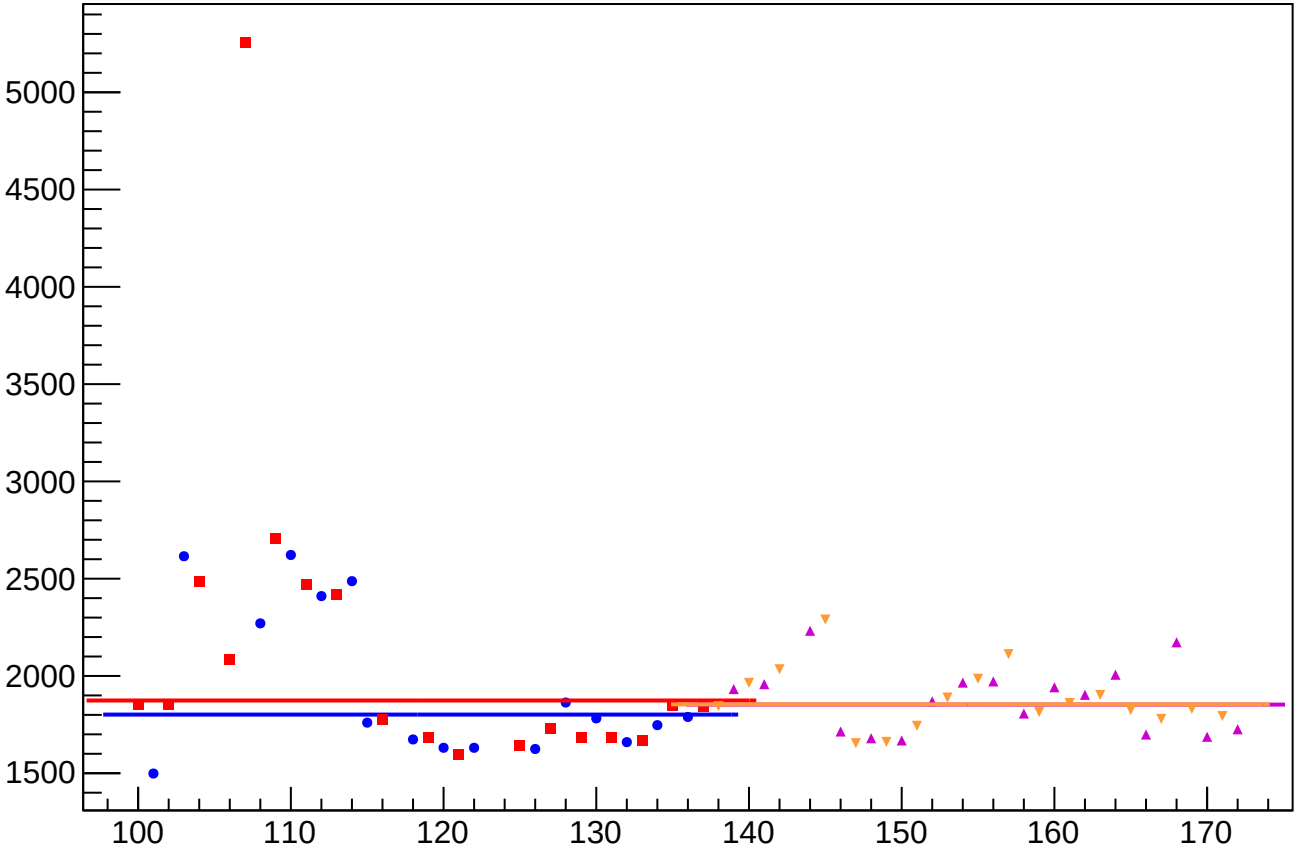
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1790.553+/-400.979 χ^2/NDF:23.1/32

Out: 1714.170+/-412.469 χ^2/NDF:52.0/34

All: 1753.440+/-287.511 χ^2/NDF: 75.1/67

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1853.948+/-0.359 χ^2/NDF:163737.8/16

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1852.819+/-0.351 χ^2/NDF:207210.1/16

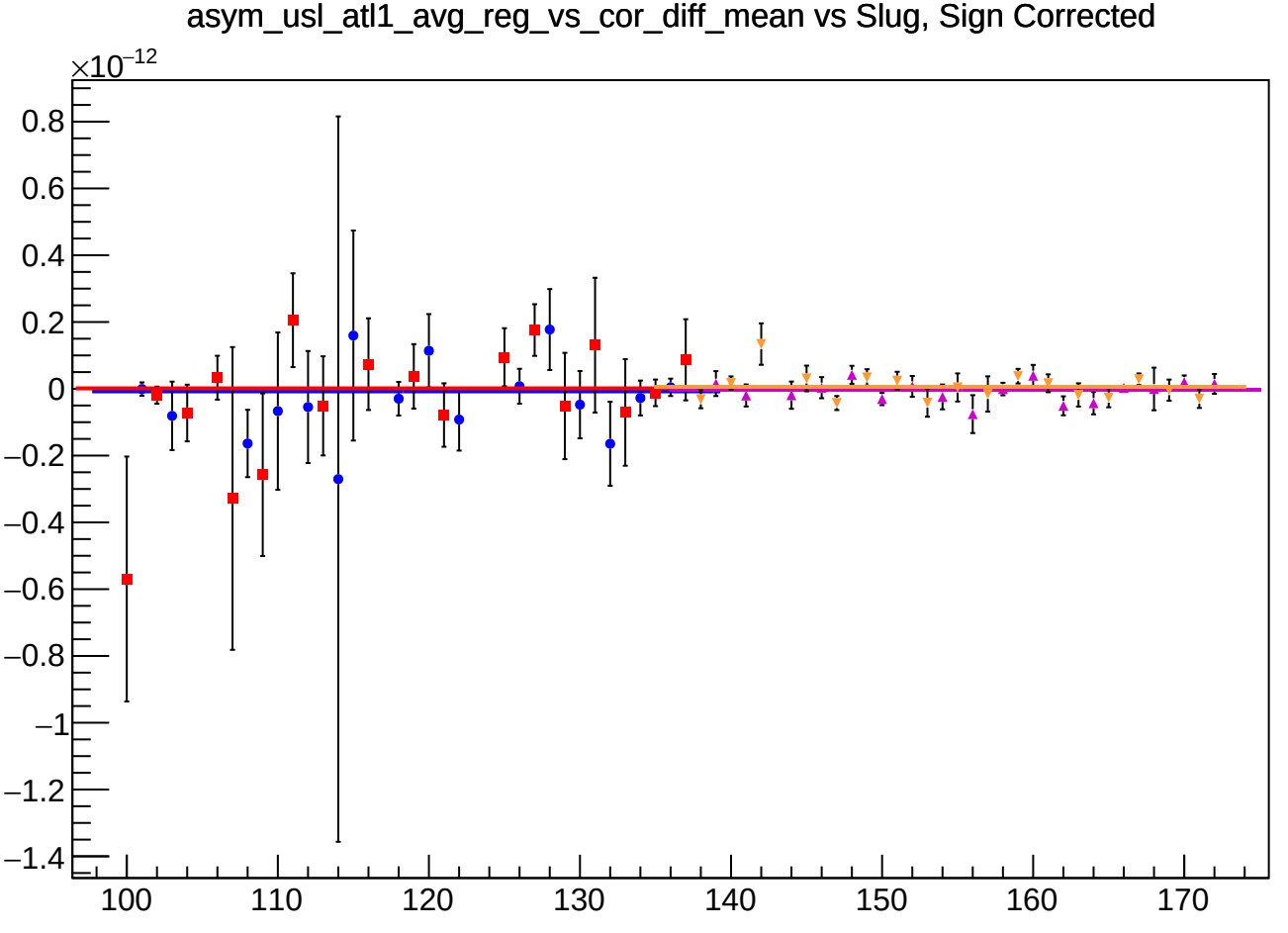
Left: 1853.371+/-0.251 χ^2/NDF: 370953.0/33

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1834.929+/-0.284 χ^2/NDF:615345.3/32

Out: 1860.769+/-0.292 χ^2/NDF:734705.8/34

All: 1847.484+/-0.203 χ^2/NDF: 1354086.5/67



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/16

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: -0.000+/-0.000 χ^2/NDF:15.6/16

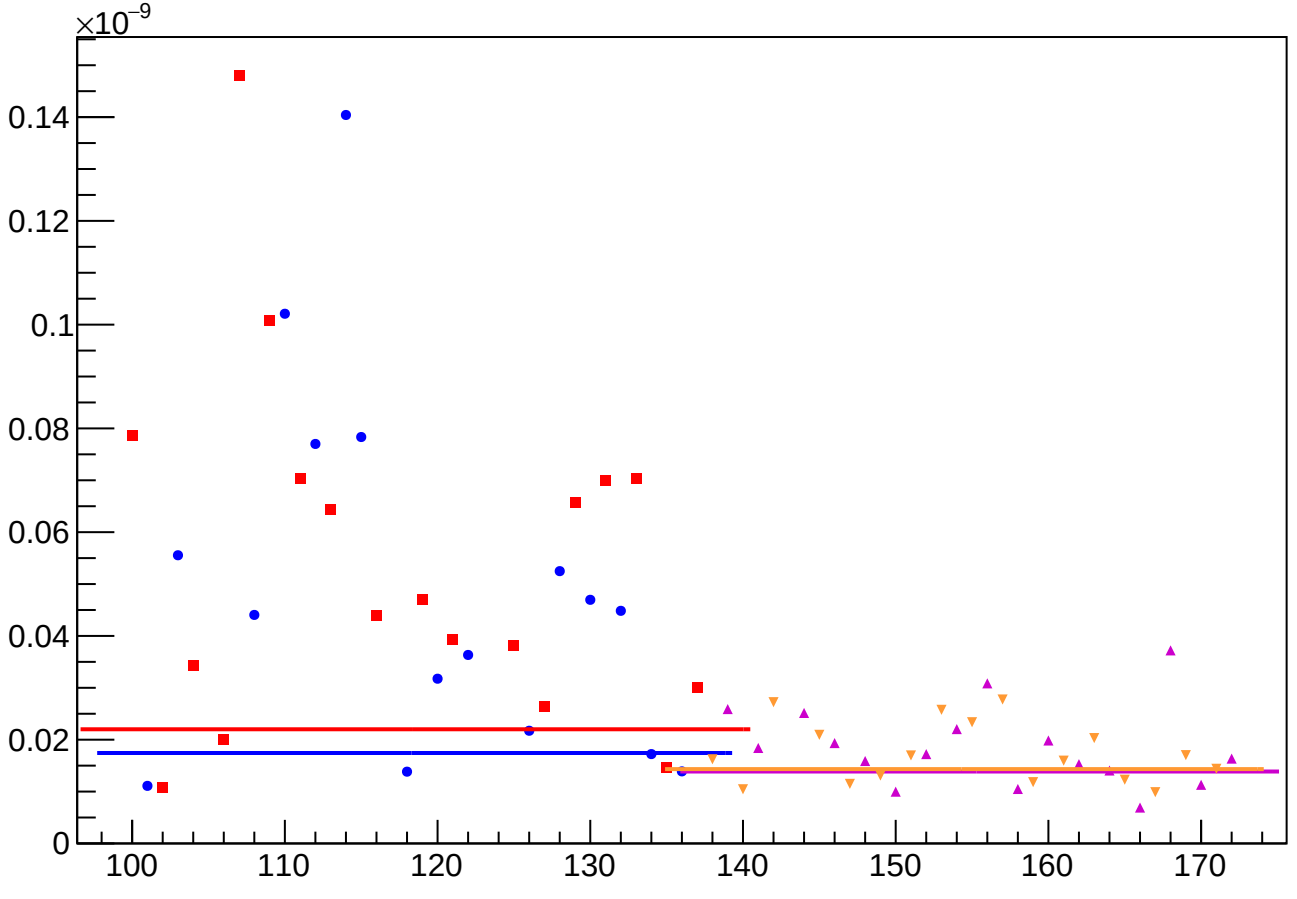
Left: 0.000+/-0.000 χ^2/NDF: 39.4/33

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:39.6/34

All: 0.000+/-0.000 χ^2/NDF: 66.7/67



Right In: 0.000+/-0.000 χ^2/NDF: 1840069.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:908596.4/16

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: 2660184.8/33

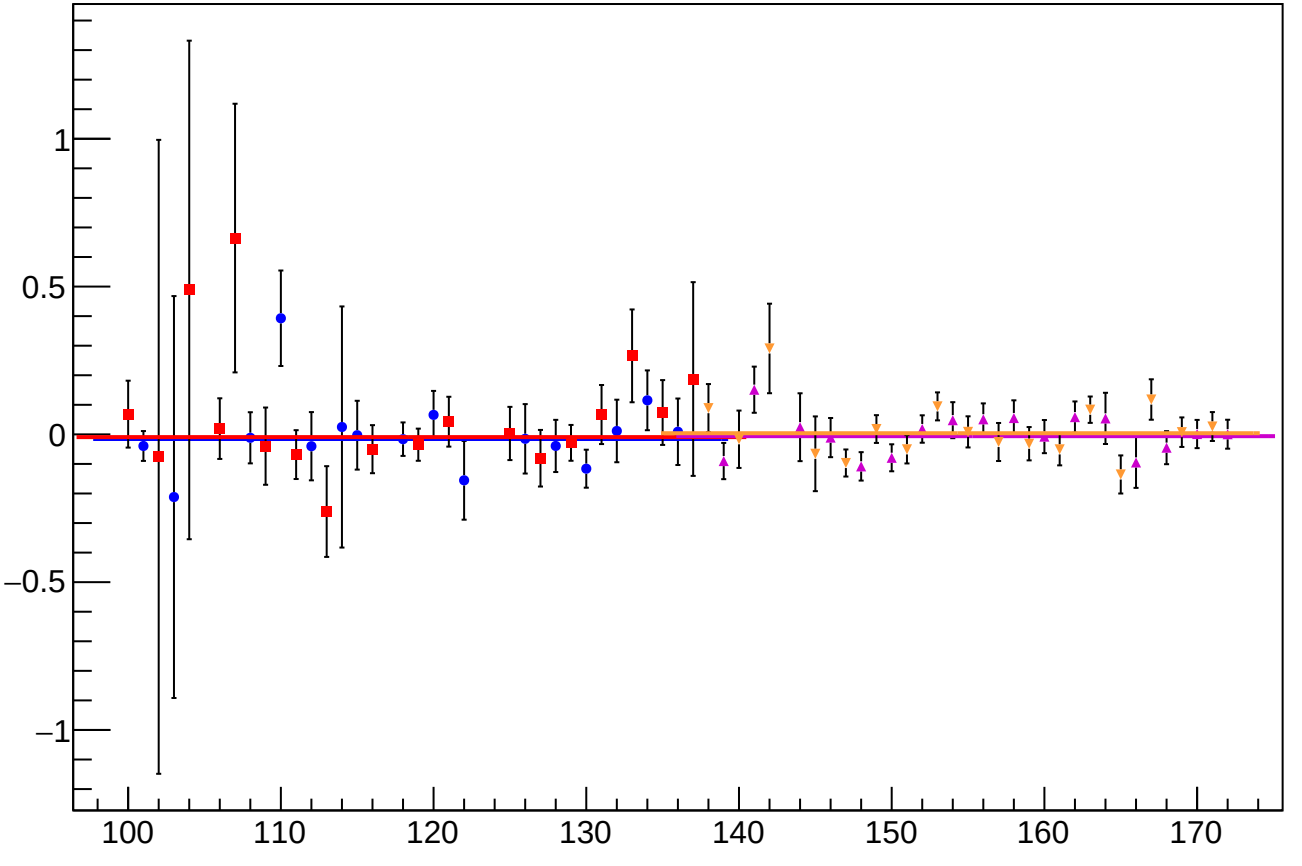
Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:3705675.5/32

Out: 0.000+/-0.000 χ^2/NDF:3355829.1/34

All: 0.000+/-0.000 χ^2/NDF: 7077870.1/67

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.004+/-0.014 χ^2/NDF:27.4/16

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: -0.001+/-0.010 χ^2/NDF: 47.6/33

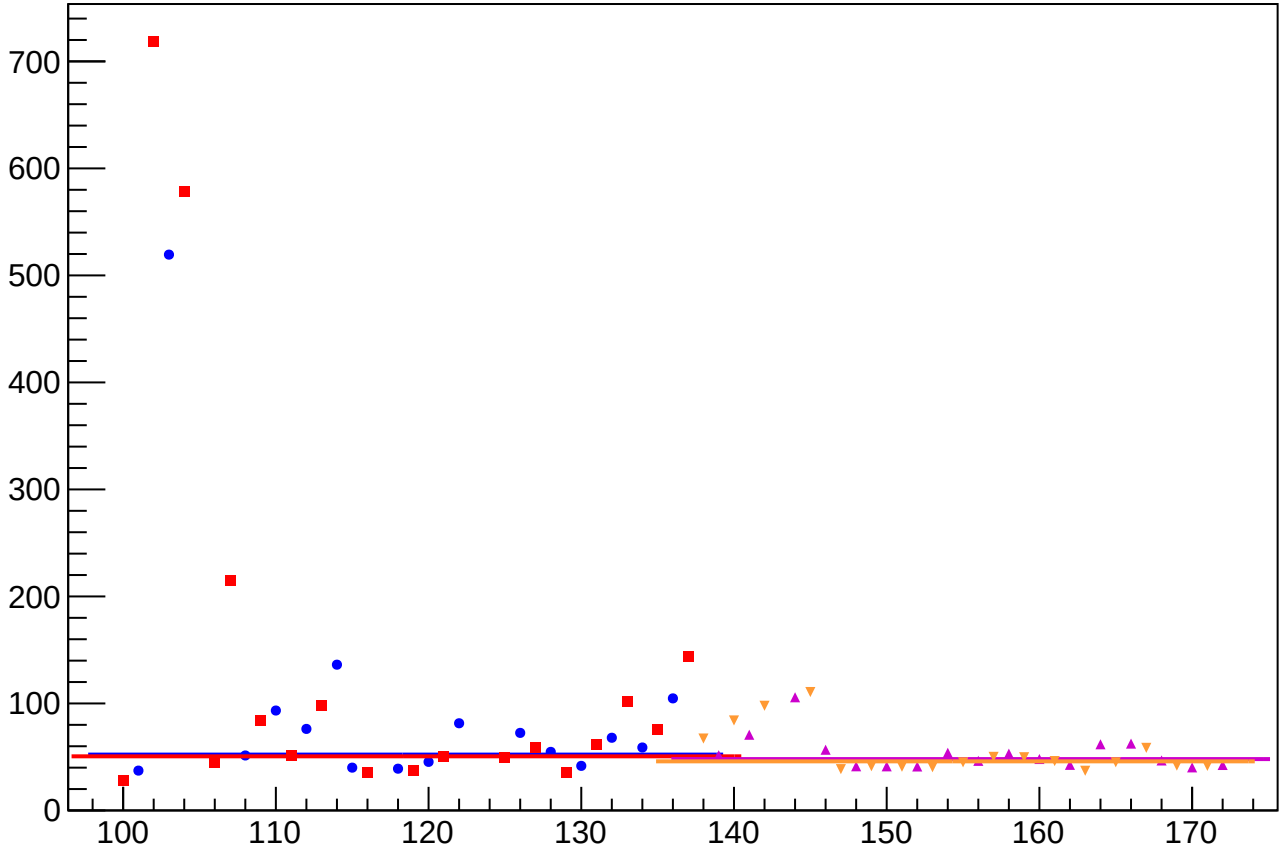
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.009+/-0.012 χ^2/NDF:33.2/32

Out: 0.001+/-0.012 χ^2/NDF:40.1/34

All: -0.004+/-0.008 χ^2/NDF: 73.6/67

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 45.895+/-0.010 χ^2/NDF:1518720.3/16

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: 46.941+/-0.007 χ^2/NDF: 2629244.2/33

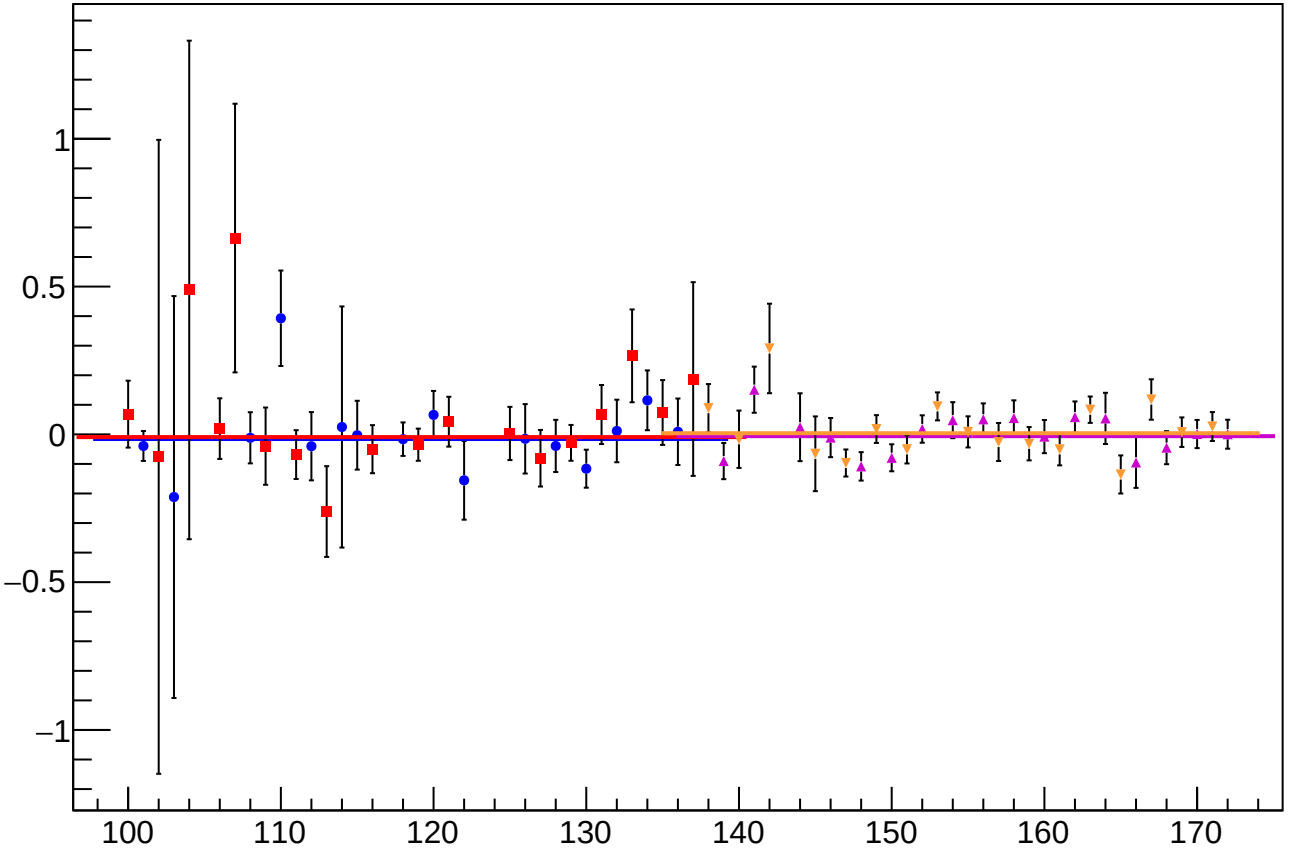
Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 49.159+/-0.008 χ^2/NDF:3403973.1/32

Out: 47.096+/-0.008 χ^2/NDF:4628786.3/34

All: 48.132+/-0.006 χ^2/NDF: 8062710.8/67

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: 0.004+/-0.014 χ^2/NDF:27.4/16

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: -0.001+/-0.010 χ^2/NDF: 47.6/33

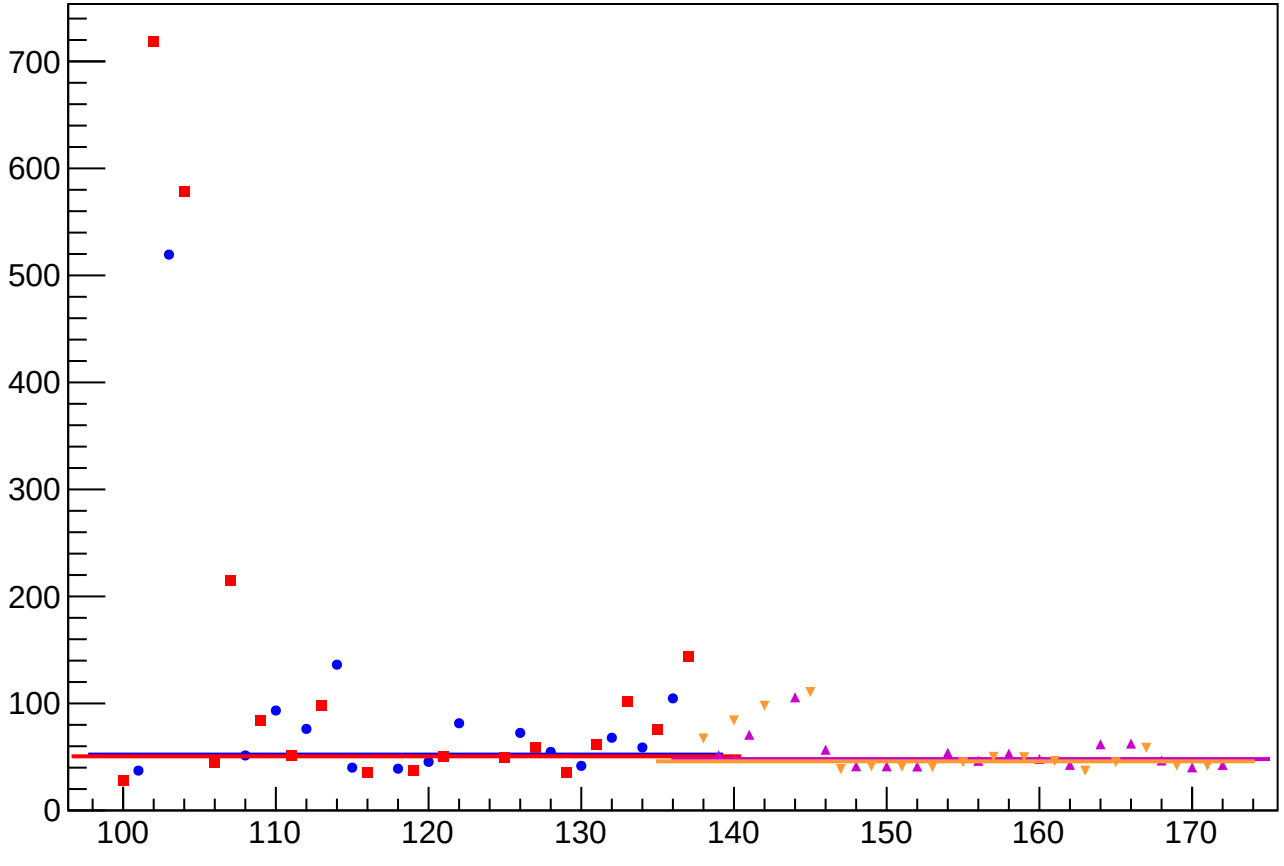
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.009+/-0.012 χ^2/NDF:33.2/32

Out: 0.001+/-0.012 χ^2/NDF:40.1/34

All: -0.004+/-0.008 χ^2/NDF: 73.6/67

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: 45.895+/-0.010 χ^2/NDF:1518720.3/16

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 48.004+/-0.010 χ^2/NDF:1087532.2/16

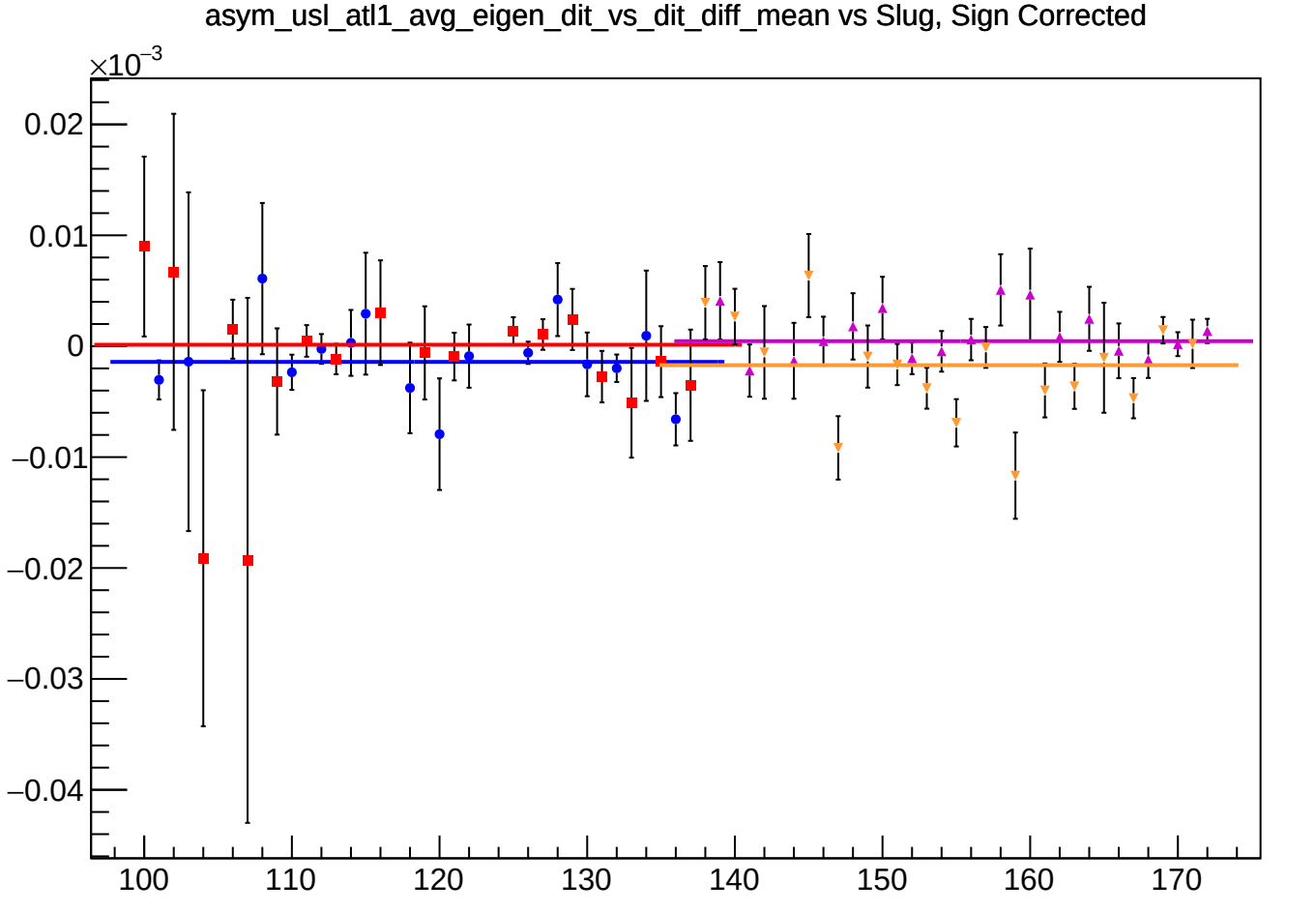
Left: 46.941+/-0.007 χ^2/NDF: 2629244.2/33

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

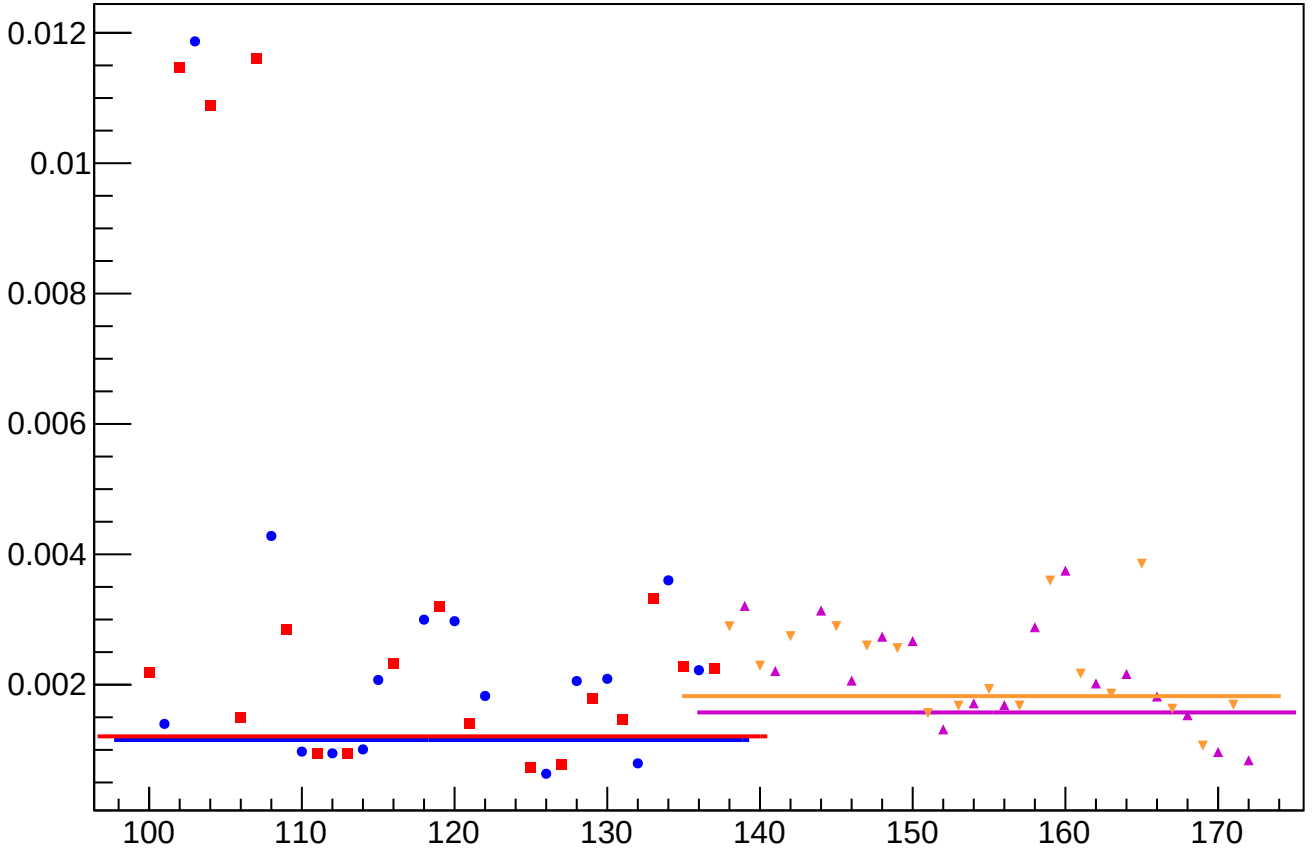
In: 49.159+/-0.008 χ^2/NDF:3403973.1/32

Out: 47.096+/-0.008 χ^2/NDF:4628786.3/34

All: 48.132+/-0.006 χ^2/NDF: 8062710.8/67


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 15.0/15
Left Out: -0.000+/-0.000 χ²/NDF:44.3/16
Right Out: 0.000+/-0.000 χ²/NDF: 11.6/17
Left In: 0.000+/-0.000 χ²/NDF:10.9/16
Left: -0.000+/-0.000 χ²/NDF: 64.3/33
Right: -0.000+/-0.000 χ²/NDF: 30.7/33
In: -0.000+/-0.000 χ²/NDF:33.0/32
Out: -0.000+/-0.000 χ²/NDF:61.5/34
All: -0.000+/-0.000 χ²/NDF: 95.2/67

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:2522059.3/16

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:4379029.1/16

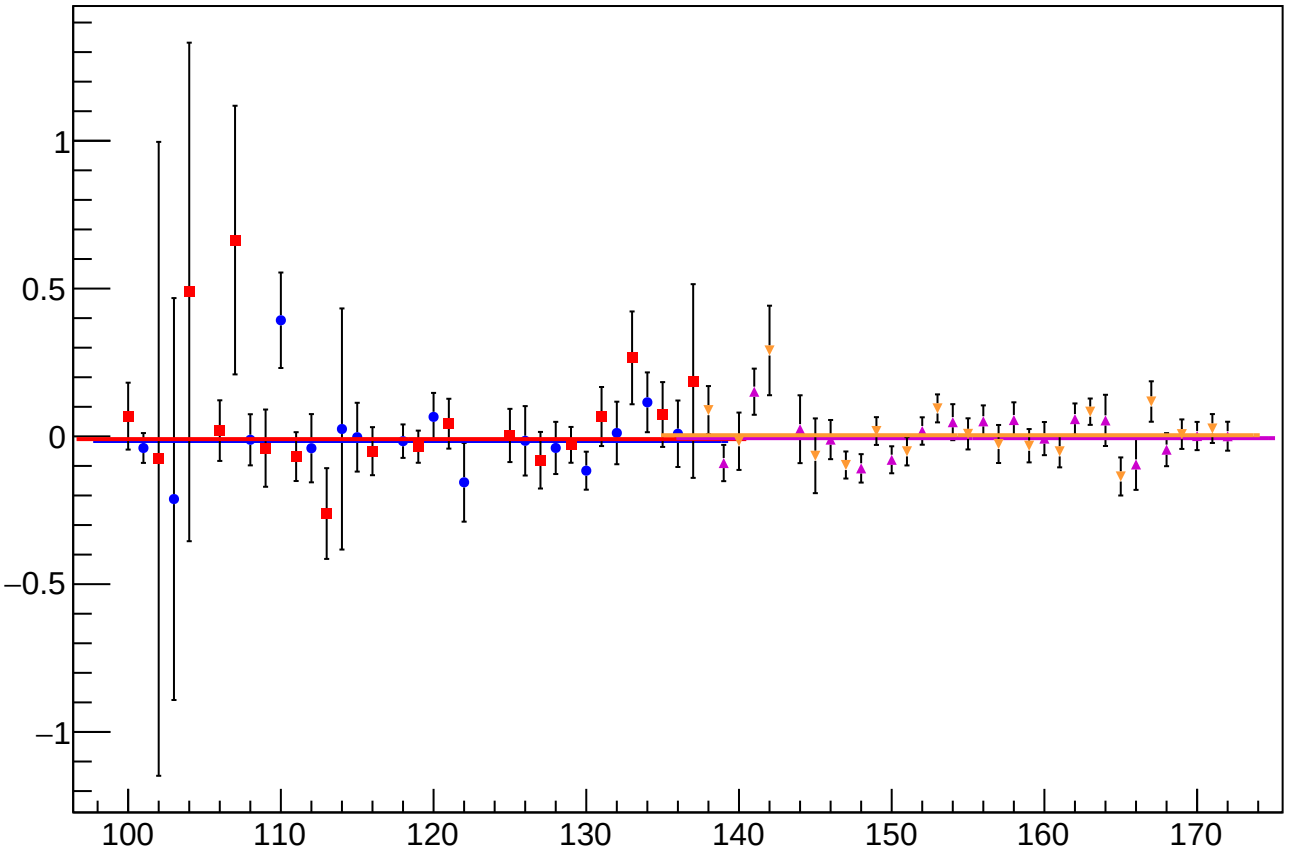
Left: 0.002+/-0.000 χ^2/NDF: 7147133.6/33

Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:9302987.4/32

Out: 0.002+/-0.000 χ^2/NDF:8316550.5/34

All: 0.001+/-0.000 χ^2/NDF: 17770846.6/67



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.004+/-0.014 χ^2/NDF:27.4/16

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: -0.001+/-0.010 χ^2/NDF: 47.6/33

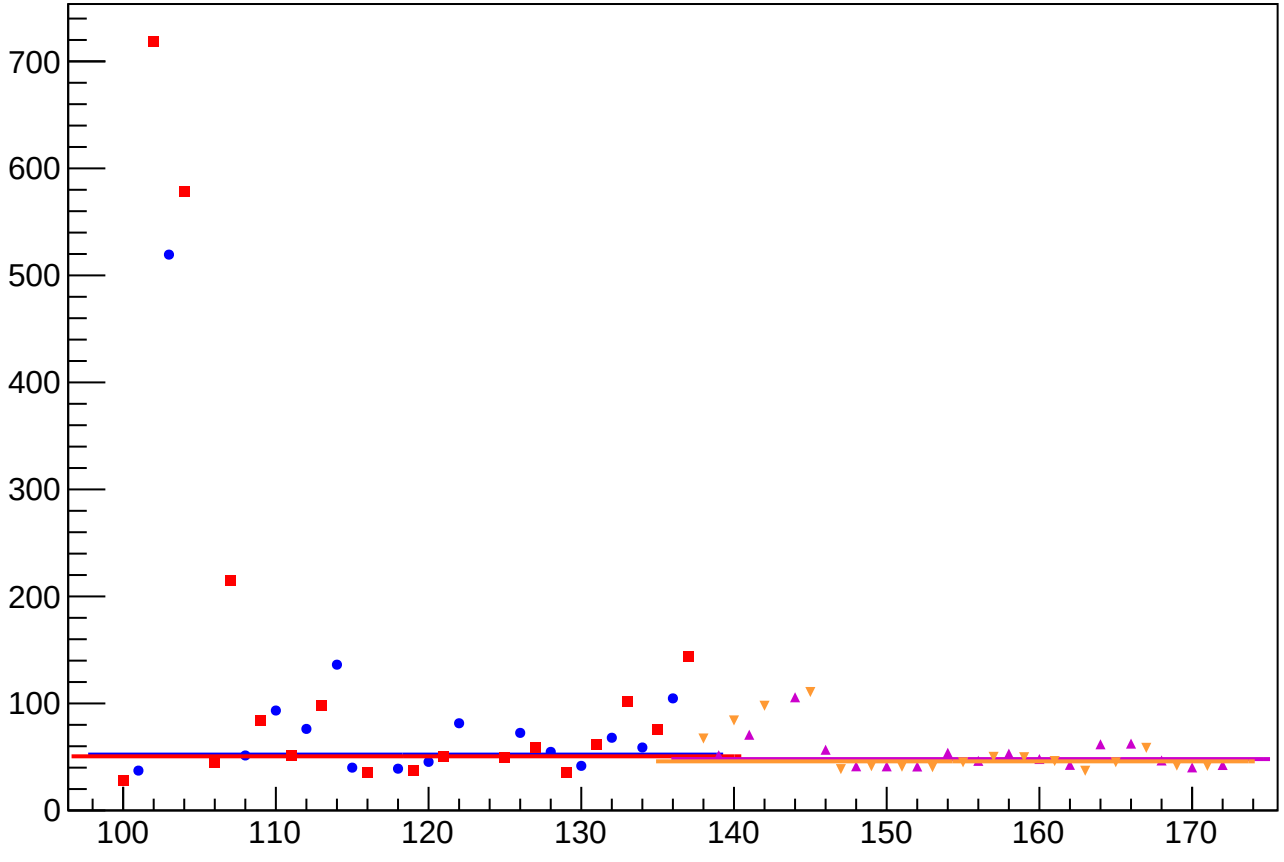
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.009+/-0.012 χ^2/NDF:33.2/32

Out: 0.001+/-0.012 χ^2/NDF:40.1/34

All: -0.004+/-0.008 χ^2/NDF: 73.6/67

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: 45.895+/-0.010 χ^2/NDF:1518702.9/16

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: 46.941+/-0.007 χ^2/NDF: 2629225.8/33

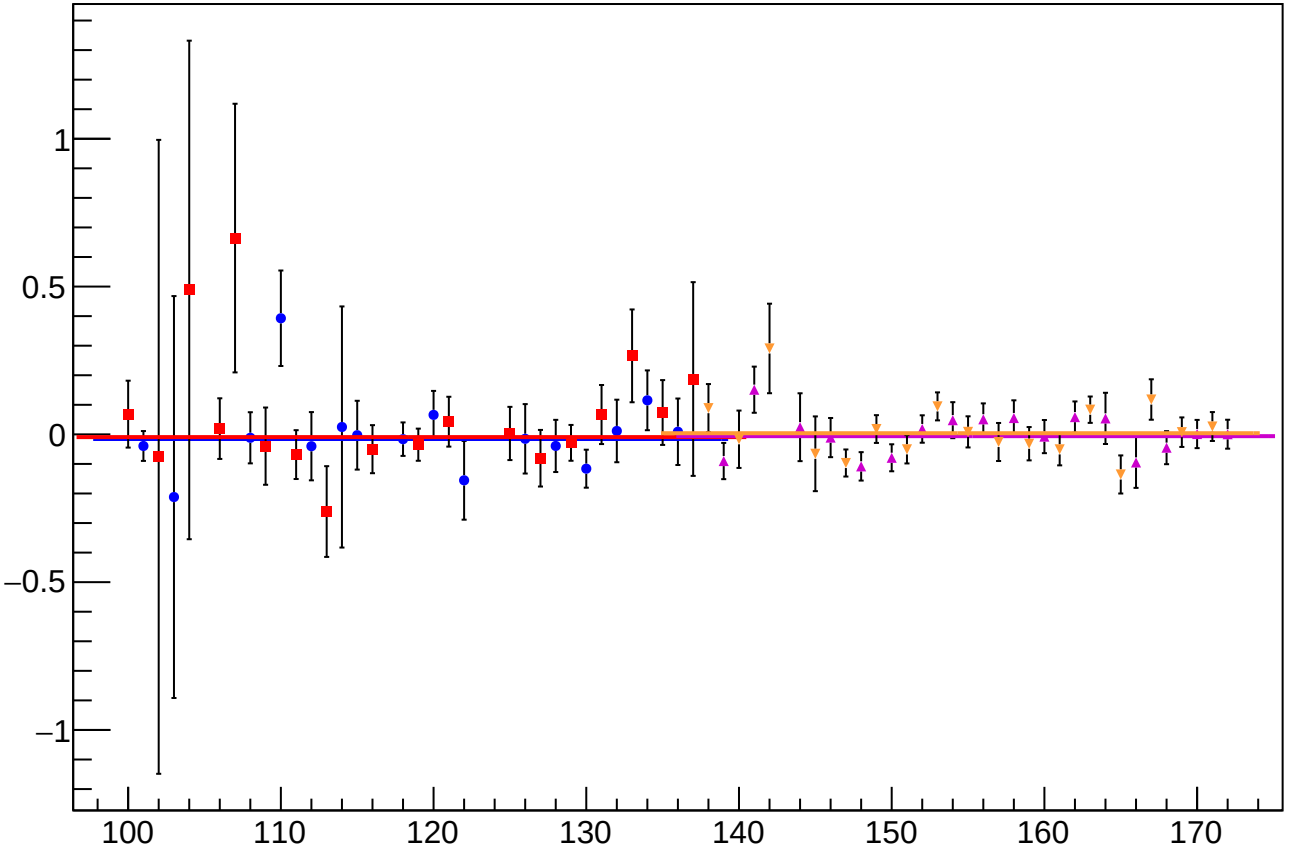
Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 49.159+/-0.008 χ^2/NDF:3403965.9/32

Out: 47.096+/-0.008 χ^2/NDF:4628741.8/34

All: 48.132+/-0.006 χ^2/NDF: 8062655.7/67

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: 0.004+/-0.014 χ^2/NDF:27.4/16

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: -0.001+/-0.010 χ^2/NDF: 47.6/33

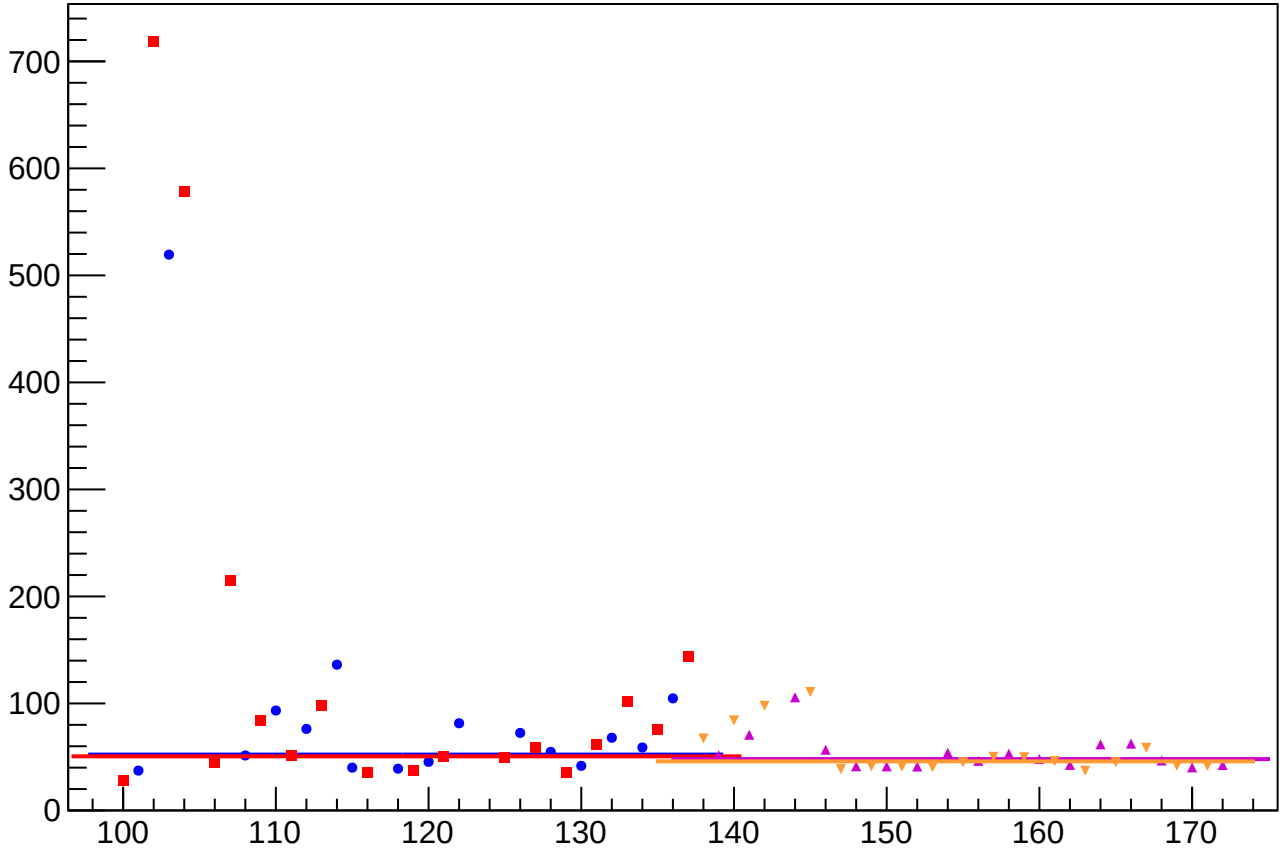
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.009+/-0.012 χ^2/NDF:33.2/32

Out: 0.001+/-0.012 χ^2/NDF:40.1/34

All: -0.004+/-0.008 χ^2/NDF: 73.6/67

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: 45.895+/-0.010 χ^2/NDF:1518702.9/16

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 48.004+/-0.010 χ^2/NDF:1087535.3/16

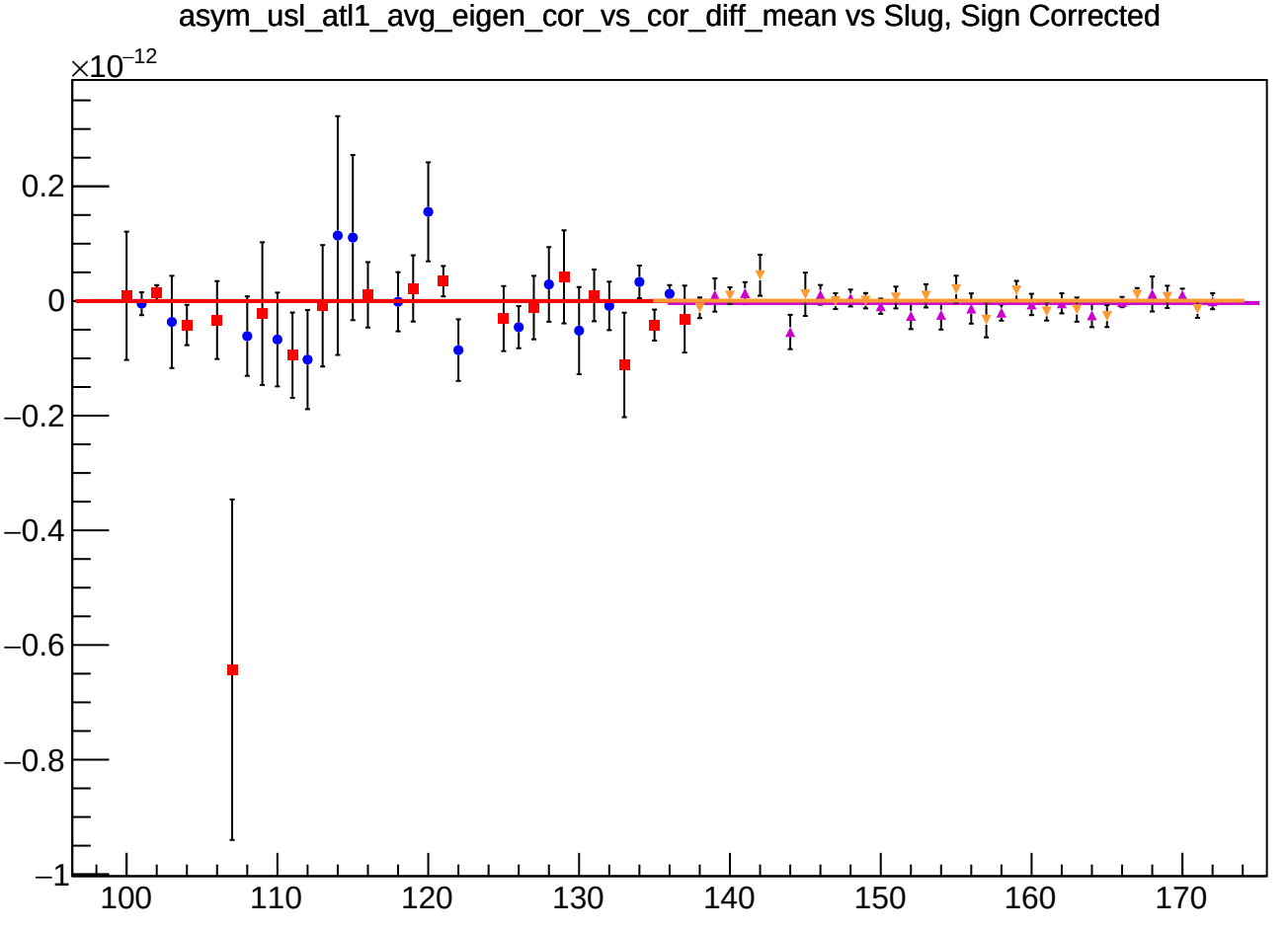
Left: 46.941+/-0.007 χ^2/NDF: 2629225.8/33

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 49.159+/-0.008 χ^2/NDF:3403965.9/32

Out: 47.096+/-0.008 χ^2/NDF:4628741.8/34

All: 48.132+/-0.006 χ^2/NDF: 8062655.7/67



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.4/16

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:11.4/16

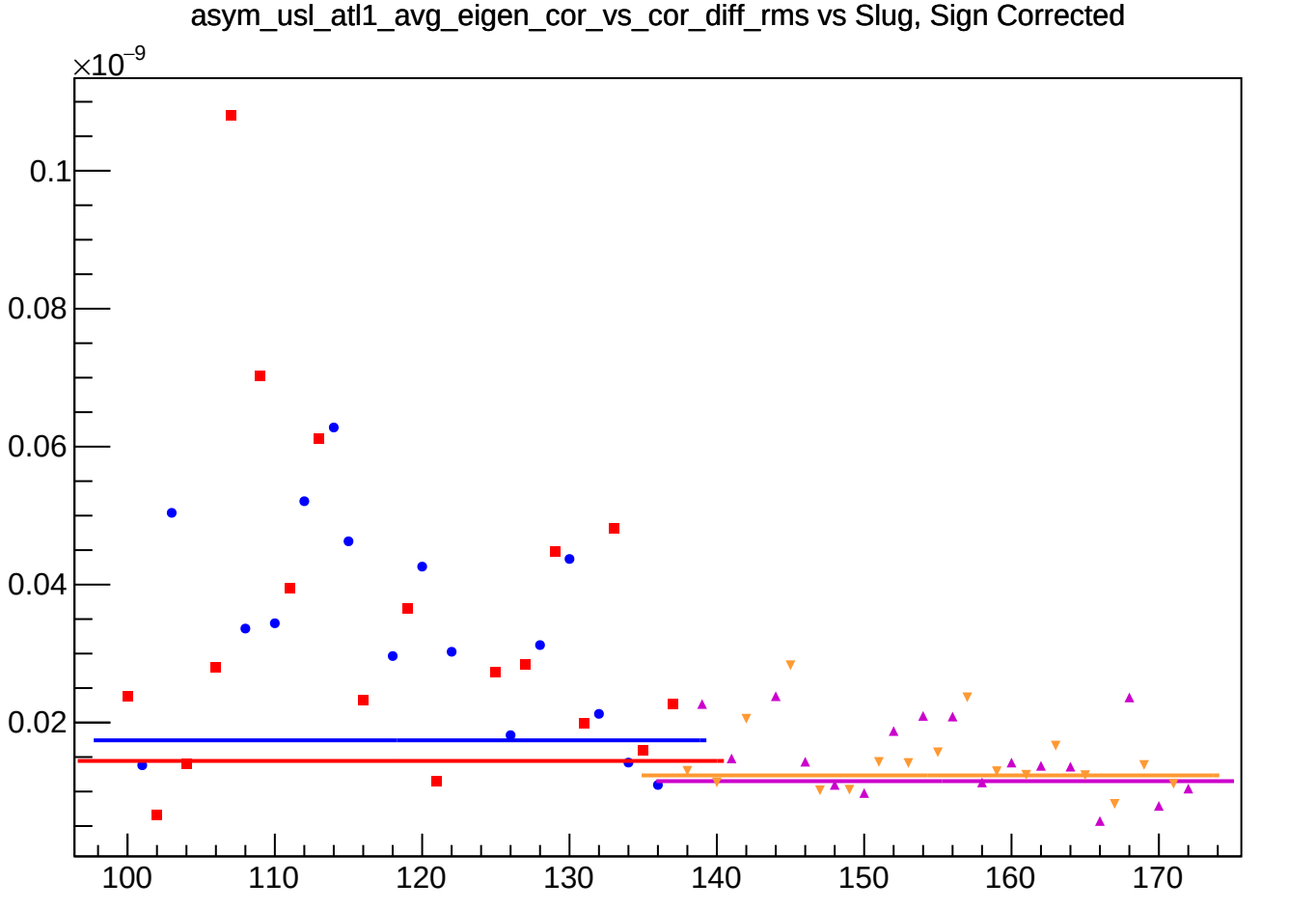
Left: -0.000+/-0.000 χ^2/NDF: 23.3/33

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:27.5/34

All: -0.000+/-0.000 χ^2/NDF: 53.4/67



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1286715.5/16

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: 4298351.1/33

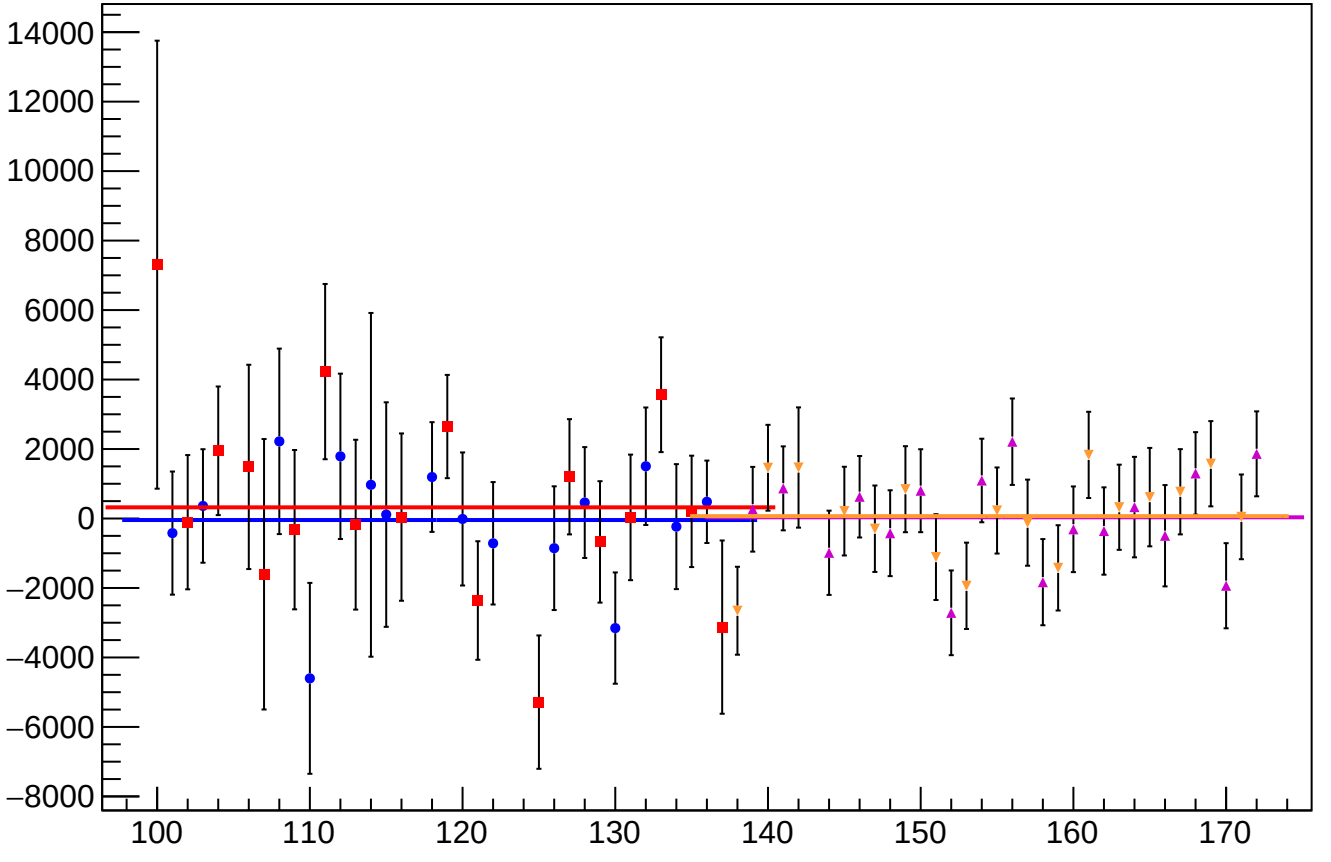
Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:5869544.9/32

Out: 0.000+/-0.000 χ^2/NDF:4637357.8/34

All: 0.000+/-0.000 χ^2/NDF: 10514798.5/67

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: 68.641+/-307.032 χ^2/NDF:16.1/16

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: 51.099+/-214.814 χ^2/NDF: 35.6/33

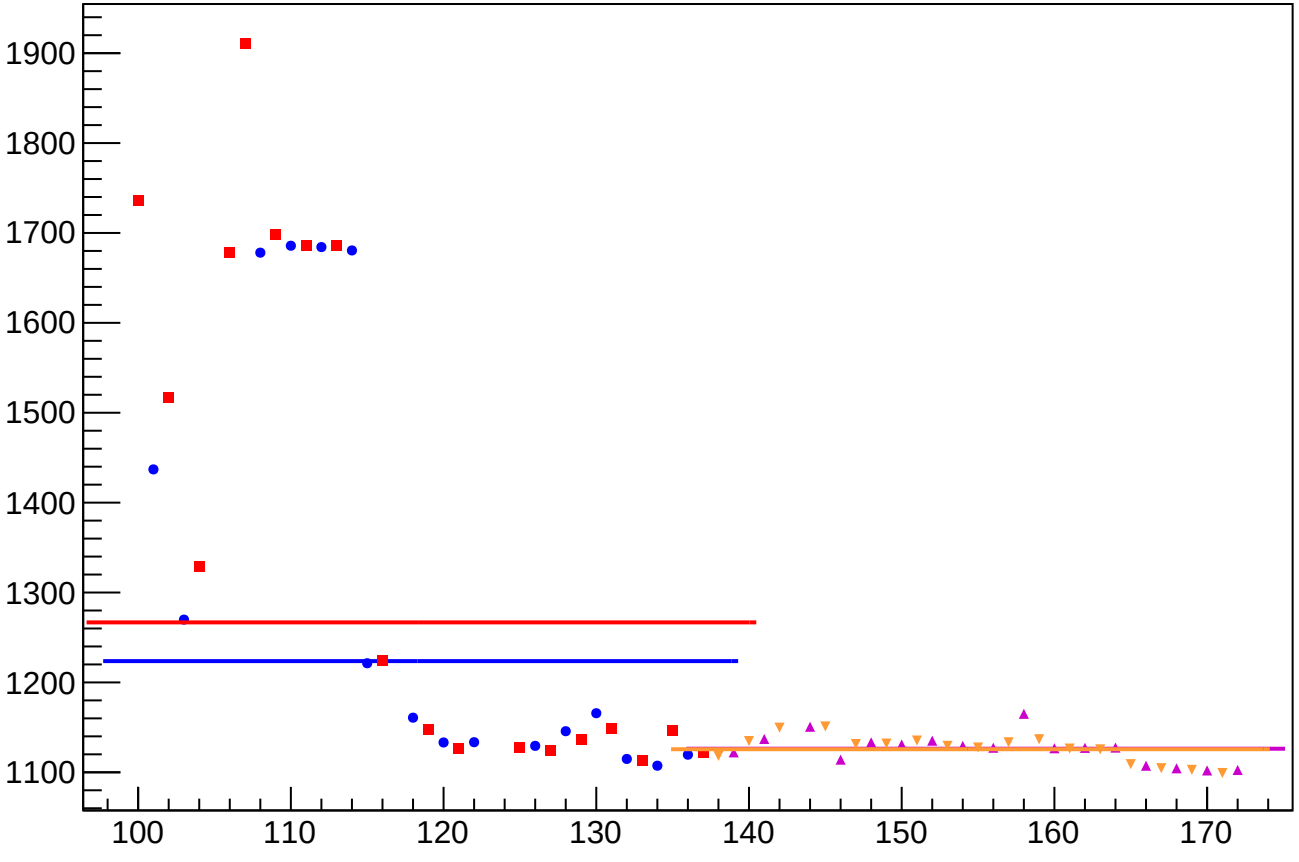
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: 10.888+/-251.539 χ^2/NDF:29.6/32

Out: 143.100+/-257.845 χ^2/NDF:41.1/34

All: 75.358+/-180.053 χ^2/NDF: 70.9/67

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1125.679+/-0.217 χ^2/NDF:4337.7/16

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1126.241+/-0.213 χ^2/NDF:5932.5/16

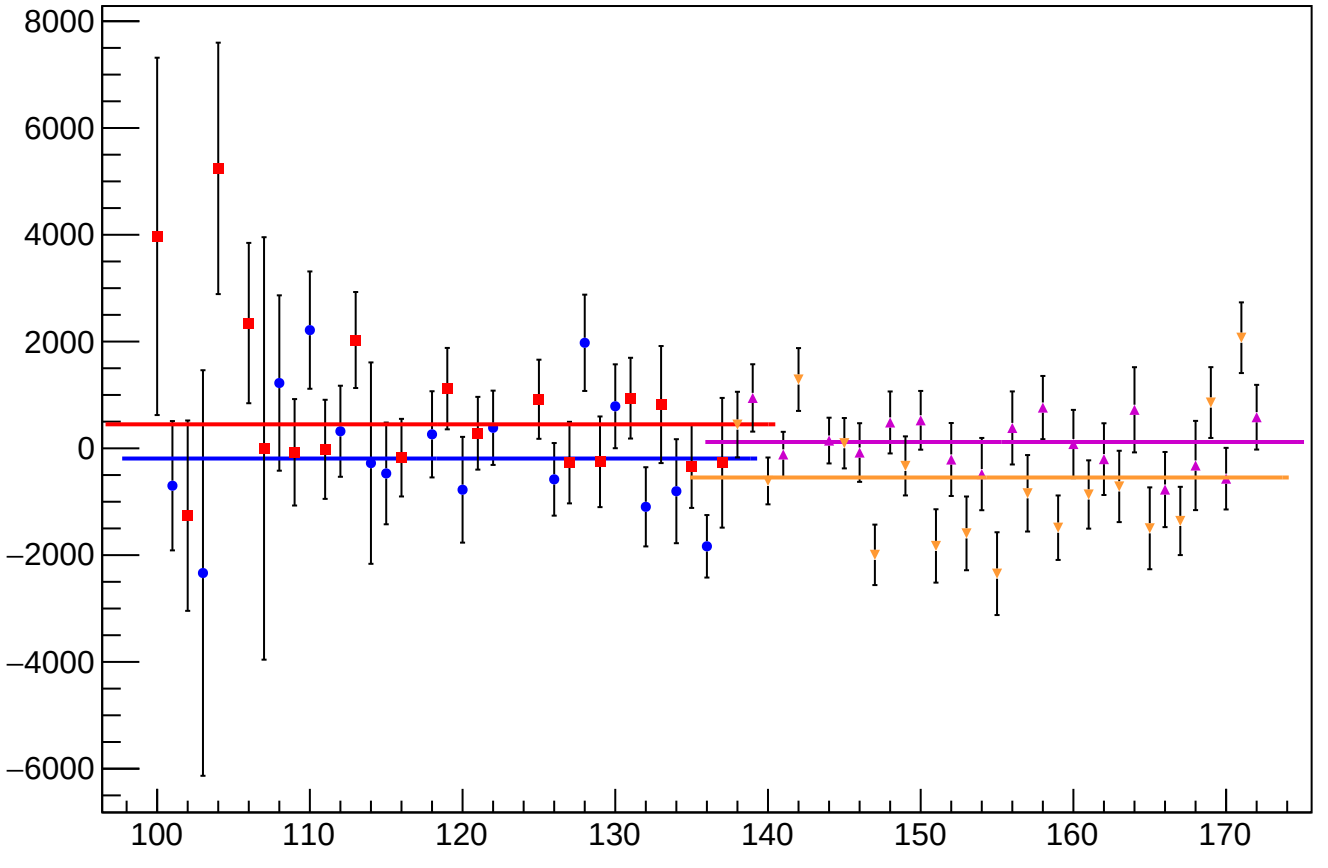
Left: 1125.966+/-0.152 χ^2/NDF: 10273.7/33

Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1155.483+/-0.178 χ^2/NDF:363958.9/32

Out: 1167.267+/-0.182 χ^2/NDF:561681.0/34

All: 1161.229+/-0.127 χ^2/NDF: 927780.3/67



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -545.906+/-148.136 χ^2/NDF:58.3/16

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 118.839+/-144.551 χ^2/NDF:10.1/16

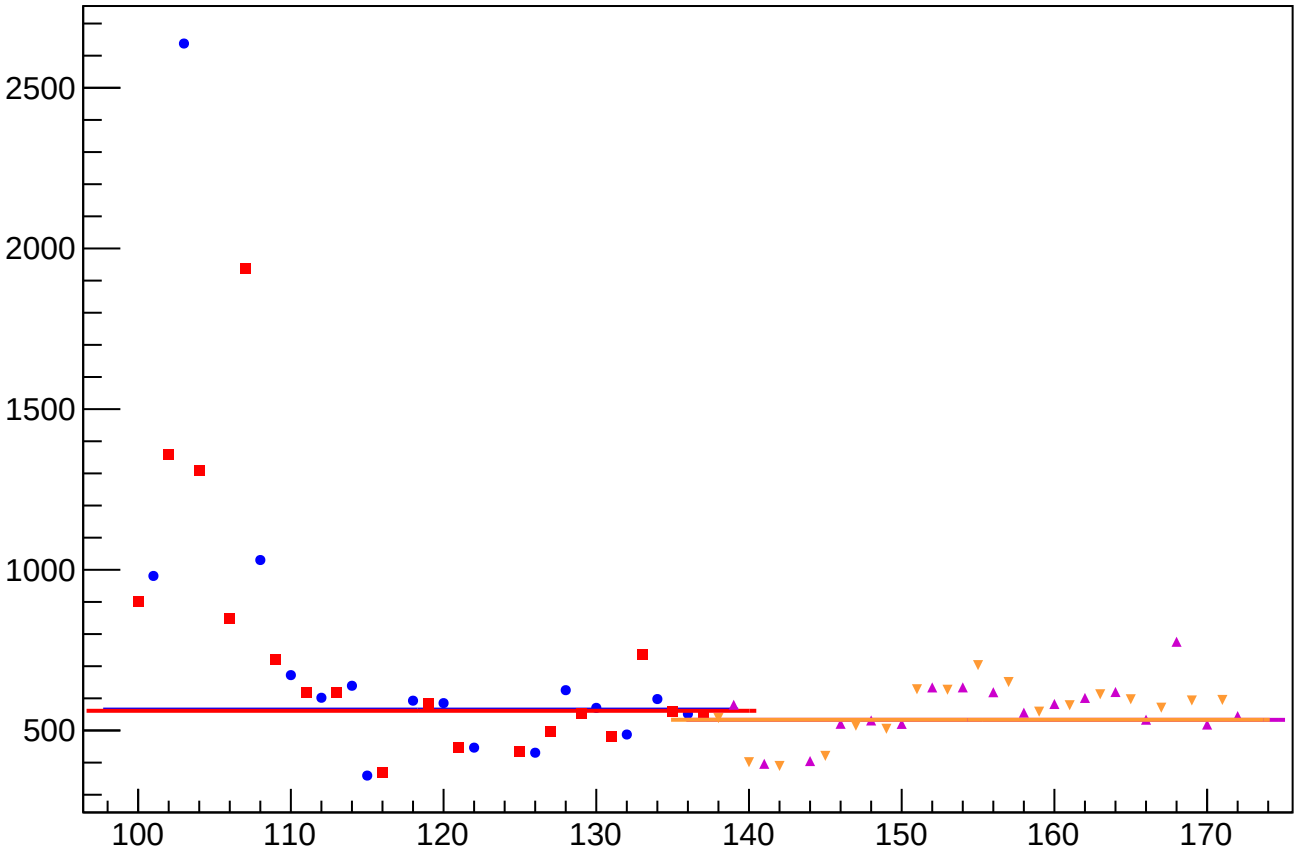
Left: -205.393+/-103.457 χ^2/NDF: 78.7/33

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 27.201+/-121.276 χ^2/NDF:36.7/32

Out: -241.419+/-123.426 χ^2/NDF:88.9/34

All: -104.748+/-86.505 χ^2/NDF: 128.0/67



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 533.316+/-0.105 χ^2/NDF:742475.3/16

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 533.060+/-0.102 χ^2/NDF:750921.2/16

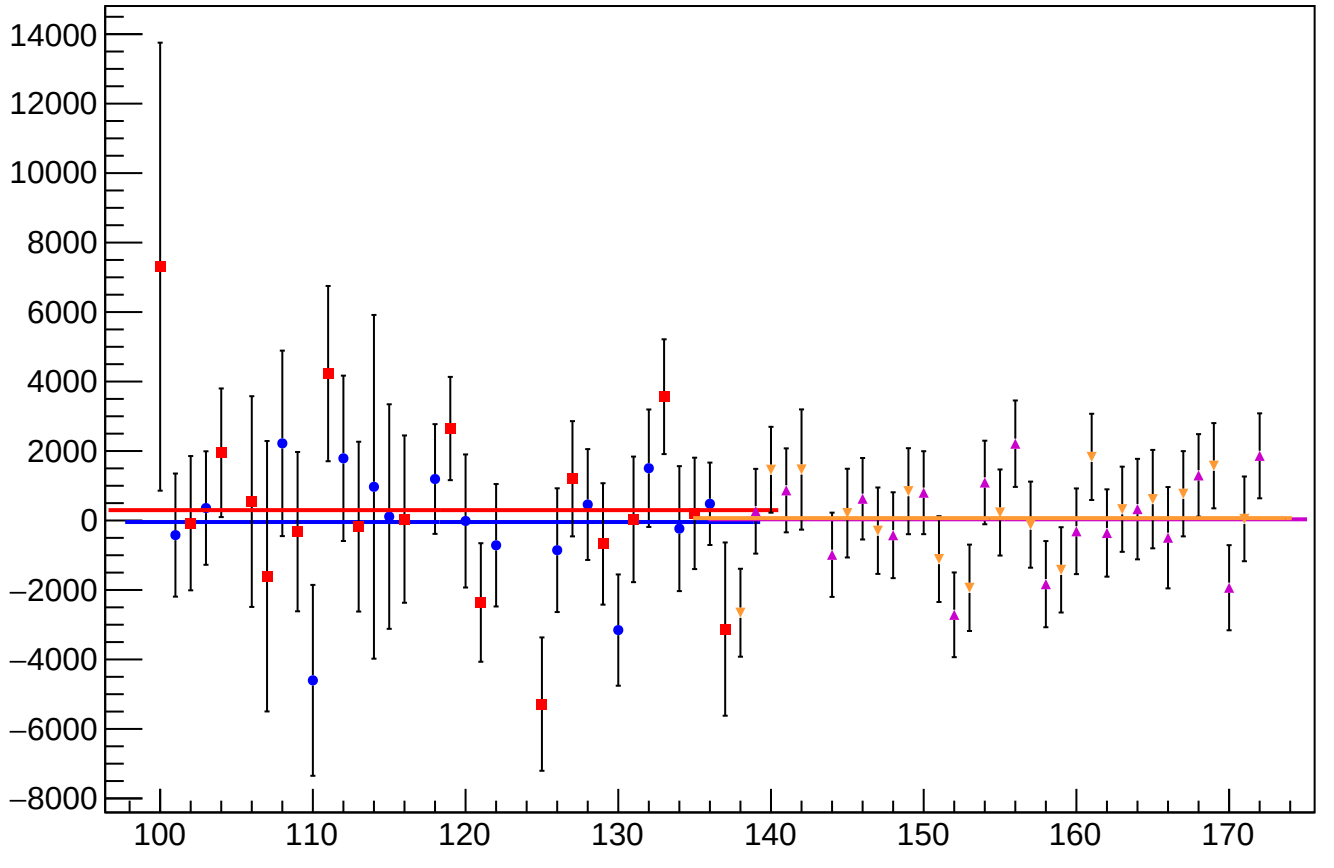
Left: 533.185+/-0.073 χ^2/NDF: 1493399.6/33

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 542.506+/-0.086 χ^2/NDF:2064238.4/32

Out: 541.856+/-0.087 χ^2/NDF:2116451.0/34

All: 542.186+/-0.061 χ^2/NDF: 4180717.6/67



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 68.670+/-307.032 χ^2/NDF:16.1/16

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: 51.126+/-214.814 χ^2/NDF: 35.6/33

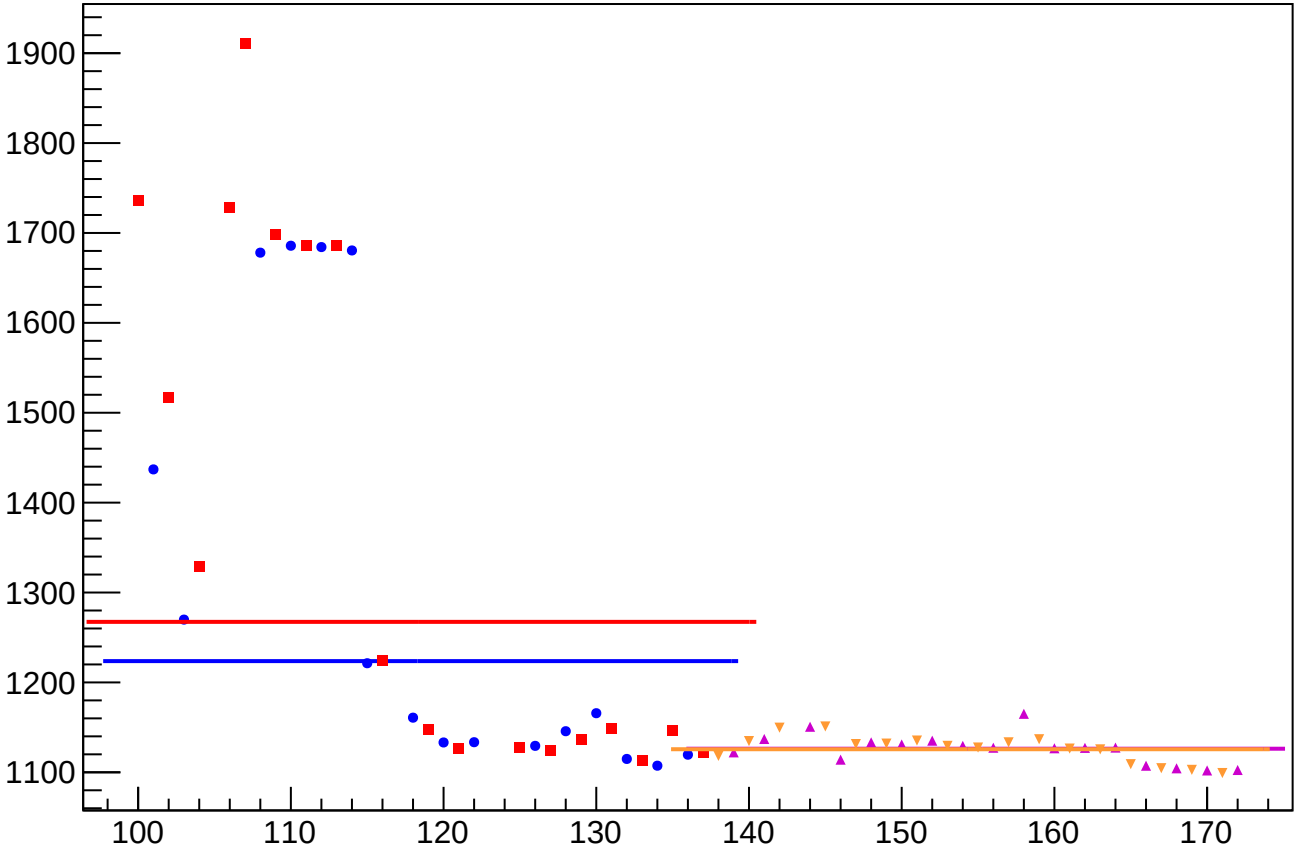
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 10.833+/-251.539 χ^2/NDF:29.6/32

Out: 136.248+/-257.905 χ^2/NDF:40.9/34

All: 71.974+/-180.073 χ^2/NDF: 70.7/67

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1125.679+/-0.217 χ^2/NDF:4337.7/16

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: 1125.966+/-0.152 χ^2/NDF: 10273.7/33

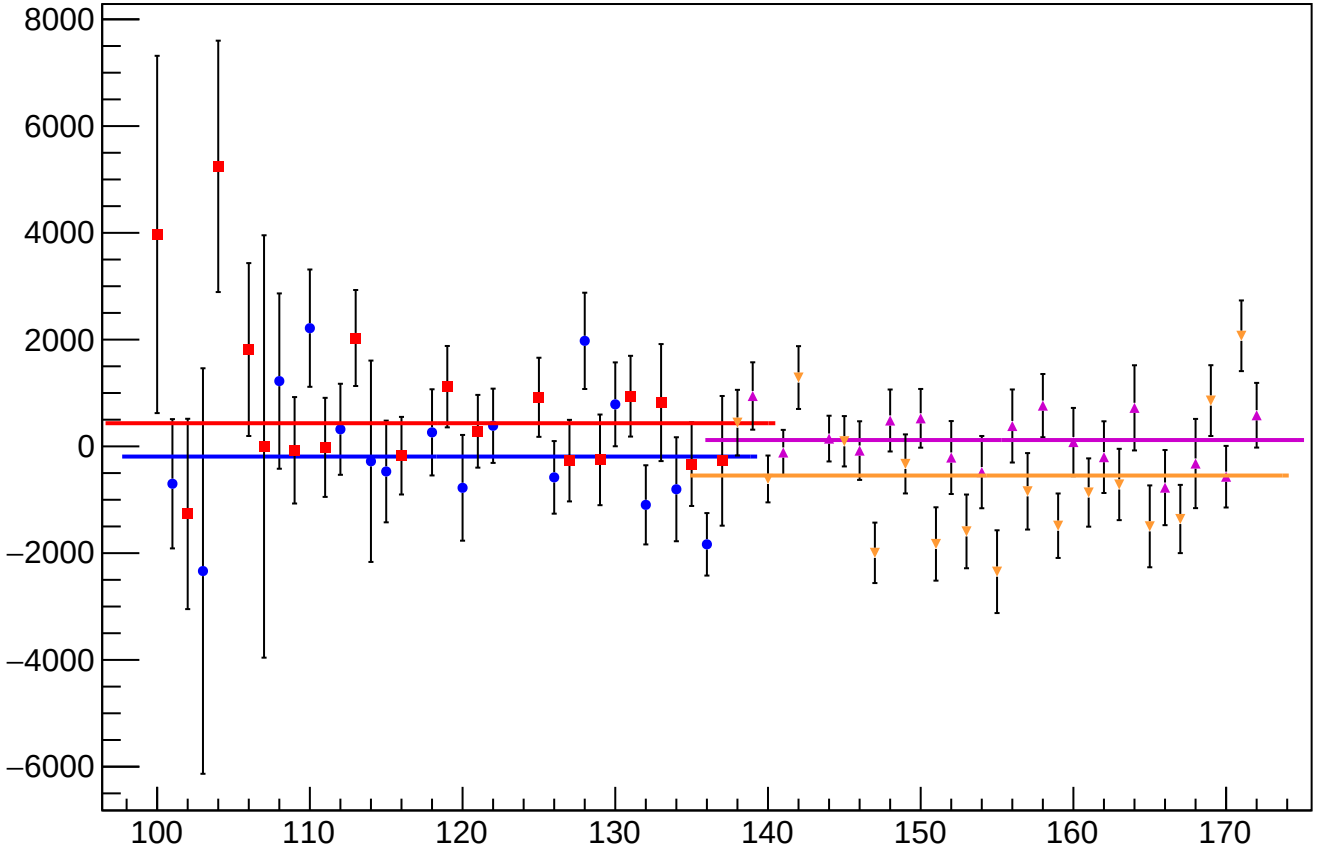
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1155.483+/-0.178 χ^2/NDF:363959.0/32

Out: 1167.392+/-0.182 χ^2/NDF:569709.8/34

All: 1161.289+/-0.127 χ^2/NDF: 935854.4/67

asym_usl_atl1_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -545.943+/-148.136 χ^2/NDF:58.2/16

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 118.841+/-144.551 χ^2/NDF:10.1/16

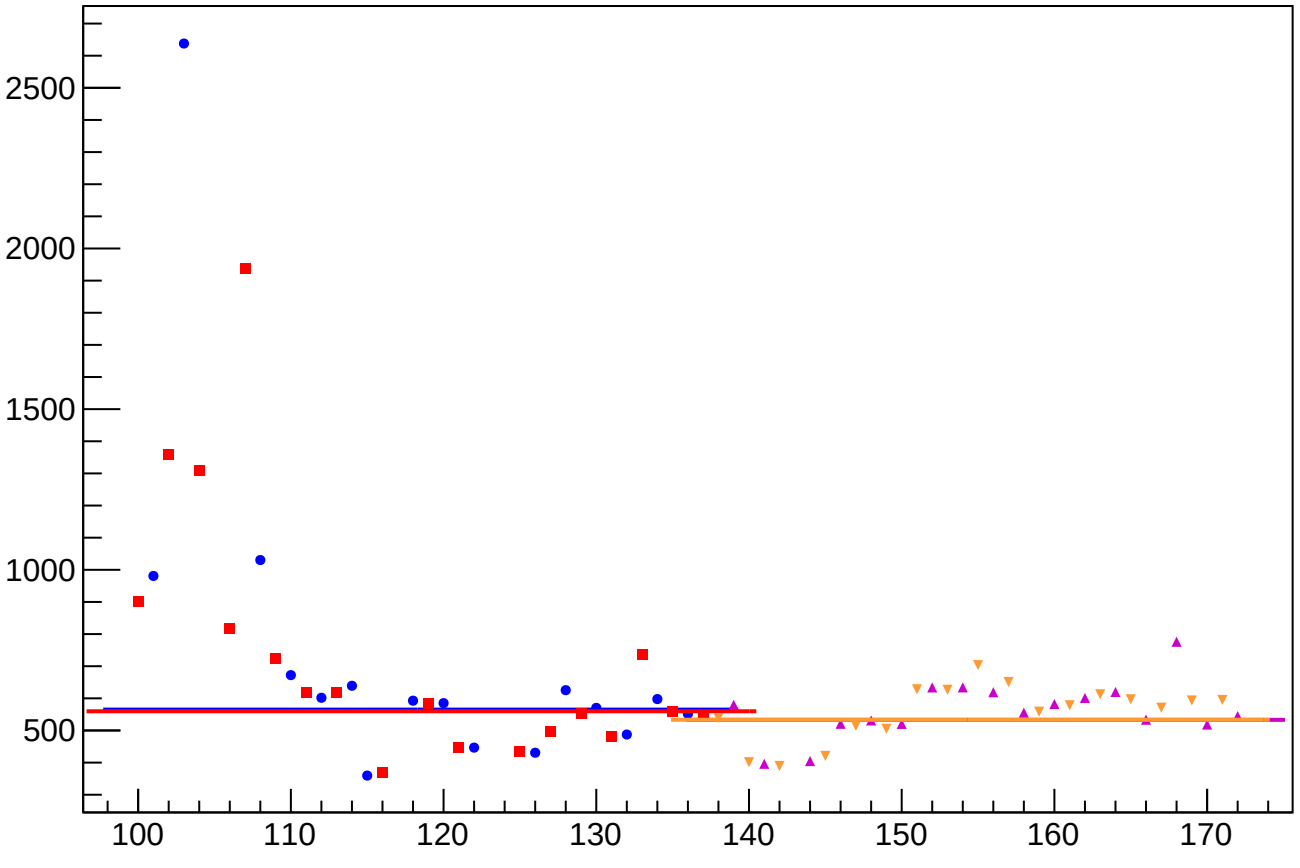
Left: -205.410+/-103.457 χ^2/NDF: 78.7/33

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 27.198+/-121.276 χ^2/NDF:36.7/32

Out: -246.969+/-123.484 χ^2/NDF:87.5/34

All: -107.412+/-86.525 χ^2/NDF: 126.8/67



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 533.315+/-0.105 χ^2/NDF:742461.0/16

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 533.060+/-0.102 χ^2/NDF:750879.1/16

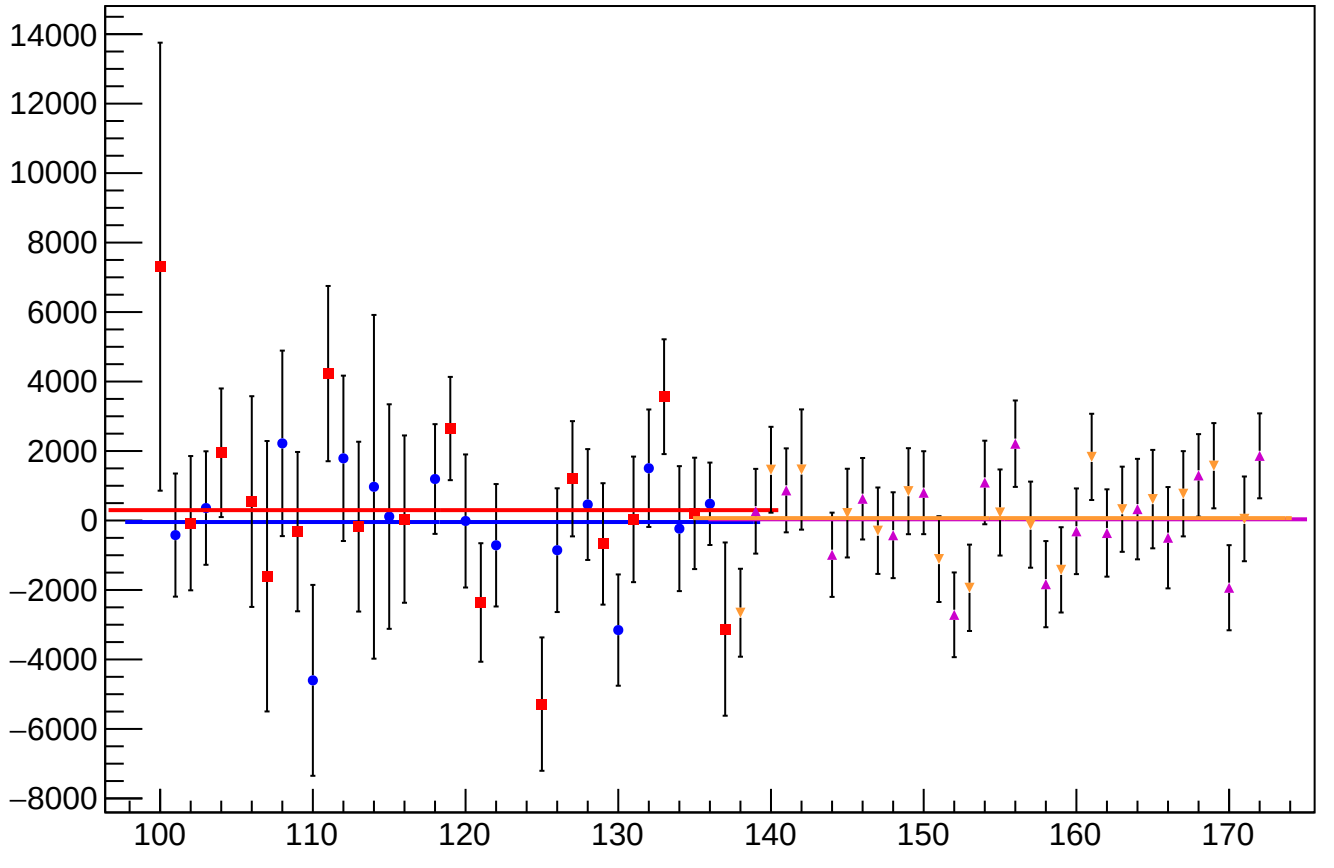
Left: 533.184+/-0.073 χ^2/NDF: 1493343.1/33

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 542.504+/-0.086 χ^2/NDF:2064165.9/32

Out: 541.384+/-0.087 χ^2/NDF:2091263.0/34

All: 541.954+/-0.061 χ^2/NDF: 4155512.8/67



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 68.670+/-307.032 χ^2/NDF:16.1/16

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 34.303+/-300.653 χ^2/NDF:19.5/16

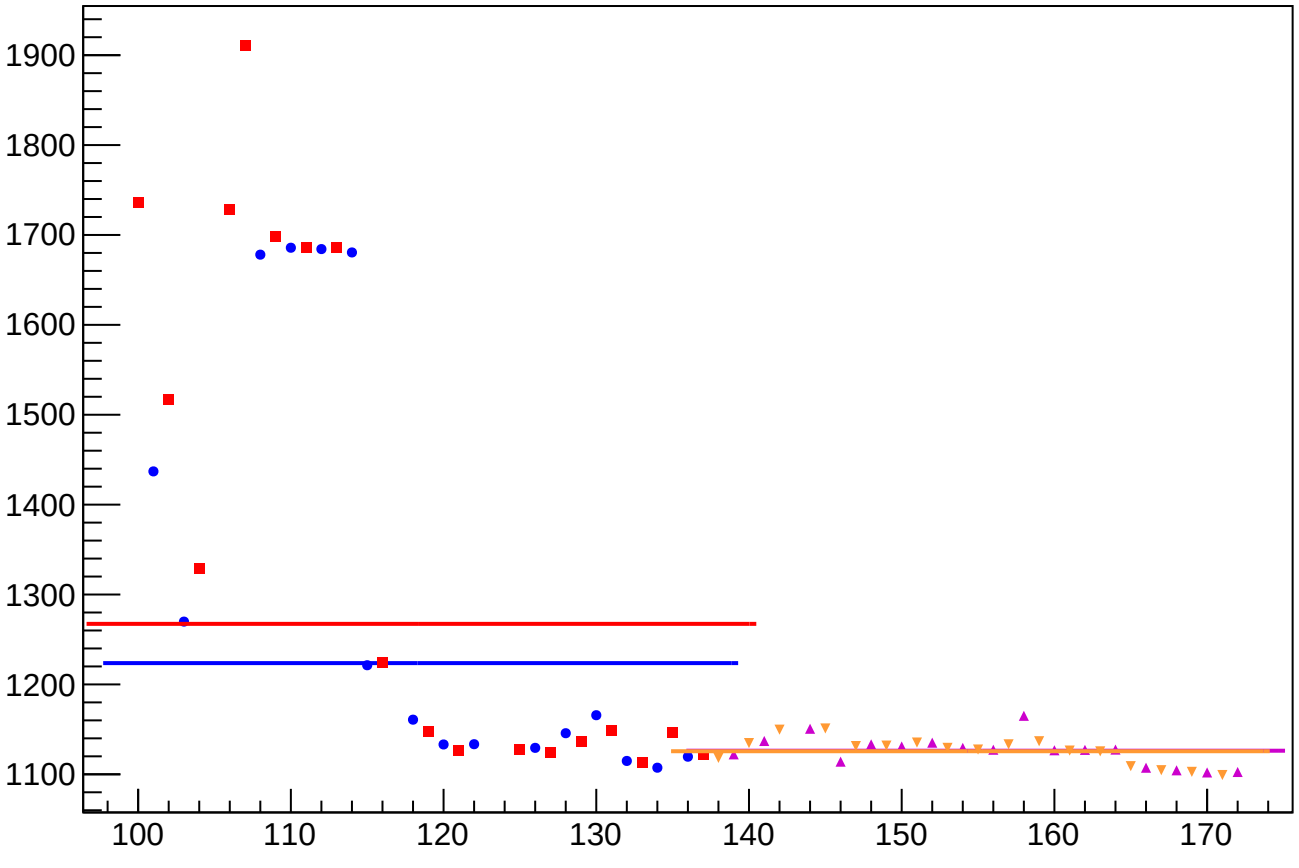
Left: 51.126+/-214.814 χ^2/NDF: 35.6/33

Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 10.833+/-251.539 χ^2/NDF:29.6/32

Out: 136.248+/-257.905 χ^2/NDF:40.9/34

All: 71.974+/-180.073 χ^2/NDF: 70.7/67



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1125.679+/-0.217 χ^2/NDF:4337.7/16

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: 1125.966+/-0.152 χ^2/NDF: 10273.7/33

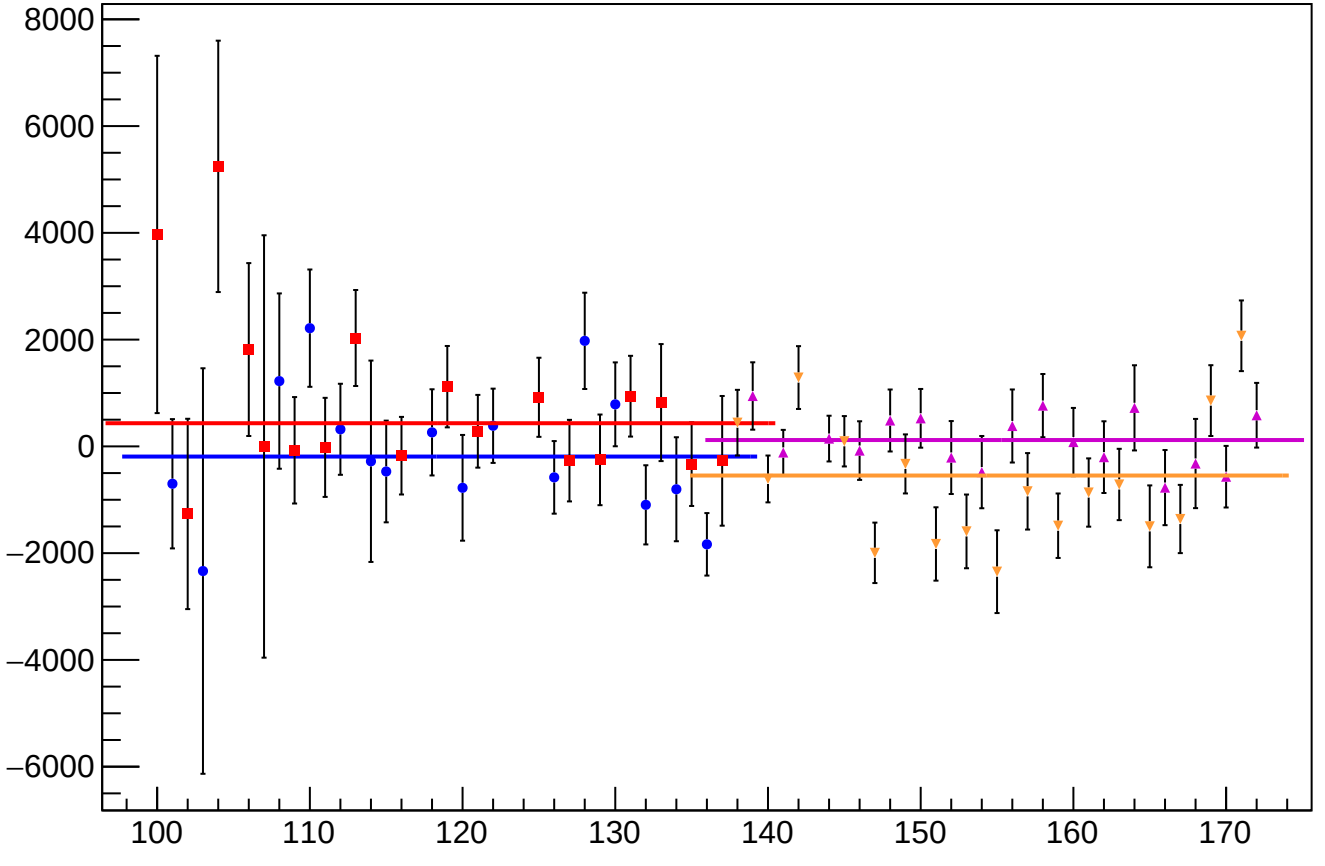
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1155.483+/-0.178 χ^2/NDF:363959.0/32

Out: 1167.392+/-0.182 χ^2/NDF:569709.8/34

All: 1161.289+/-0.127 χ^2/NDF: 935854.4/67

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: -545.943+/-148.136 χ^2/NDF:58.2/16

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: -205.410+/-103.457 χ^2/NDF: 78.7/33

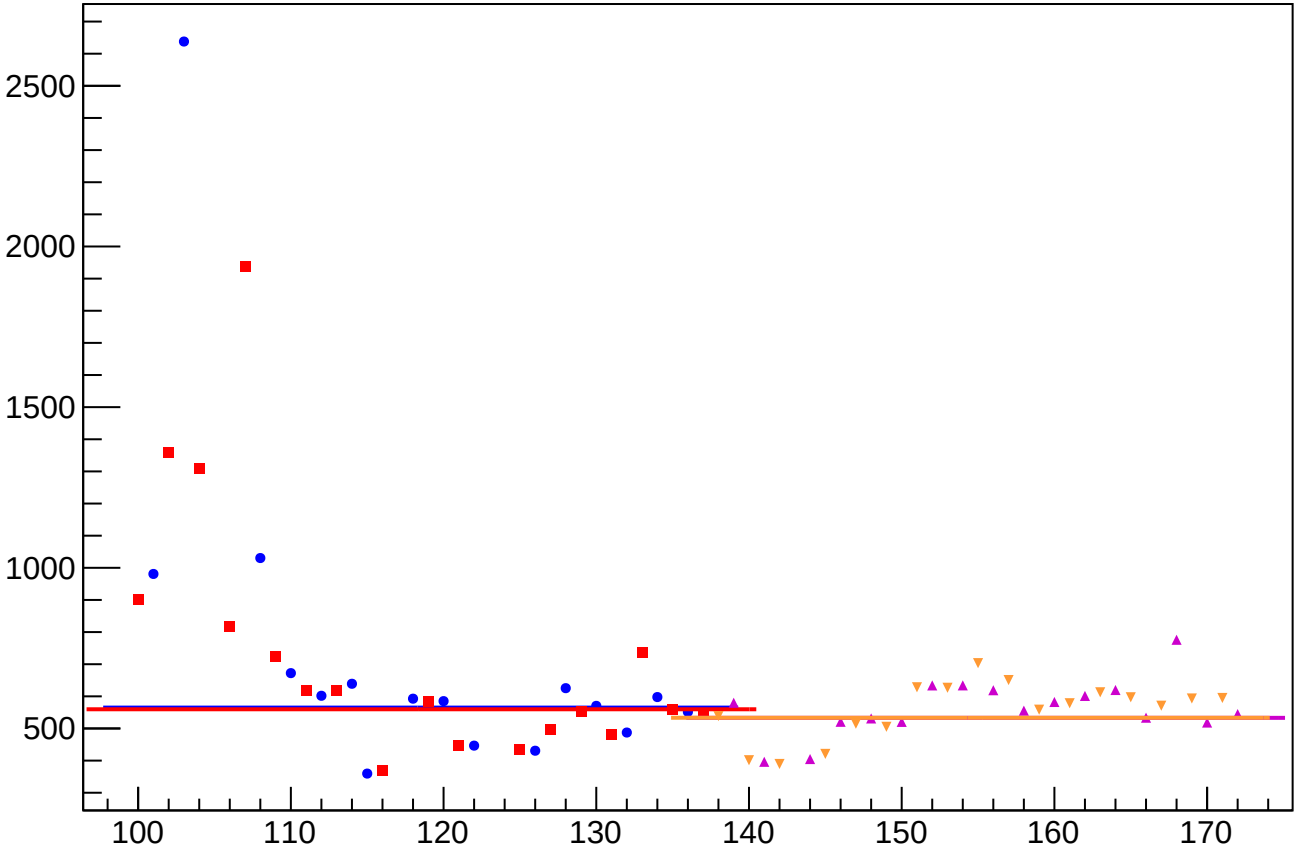
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 27.198+/-121.276 χ^2/NDF:36.7/32

Out: -246.969+/-123.484 χ^2/NDF:87.5/34

All: -107.412+/-86.525 χ^2/NDF: 126.8/67

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: 533.315+/-0.105 χ^2/NDF:742461.0/16

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: 533.184+/-0.073 χ^2/NDF: 1493343.1/33

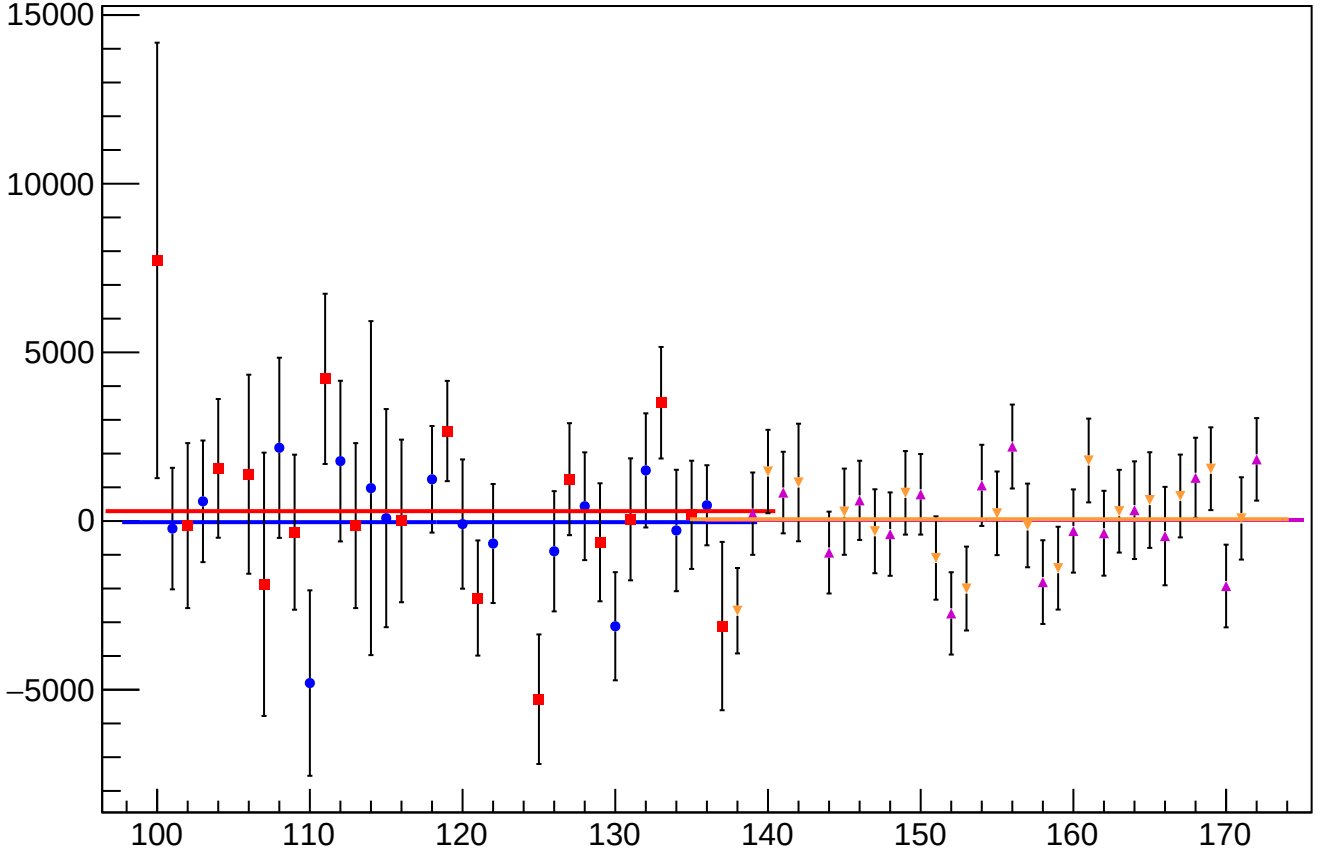
Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 542.504+/-0.086 χ^2/NDF:2064165.9/32

Out: 541.384+/-0.087 χ^2/NDF:2091263.0/34

All: 541.954+/-0.061 χ^2/NDF: 4155512.8/67

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: 53.693+/-307.220 χ^2/NDF:15.8/16

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 31.637+/-300.771 χ^2/NDF:19.2/16

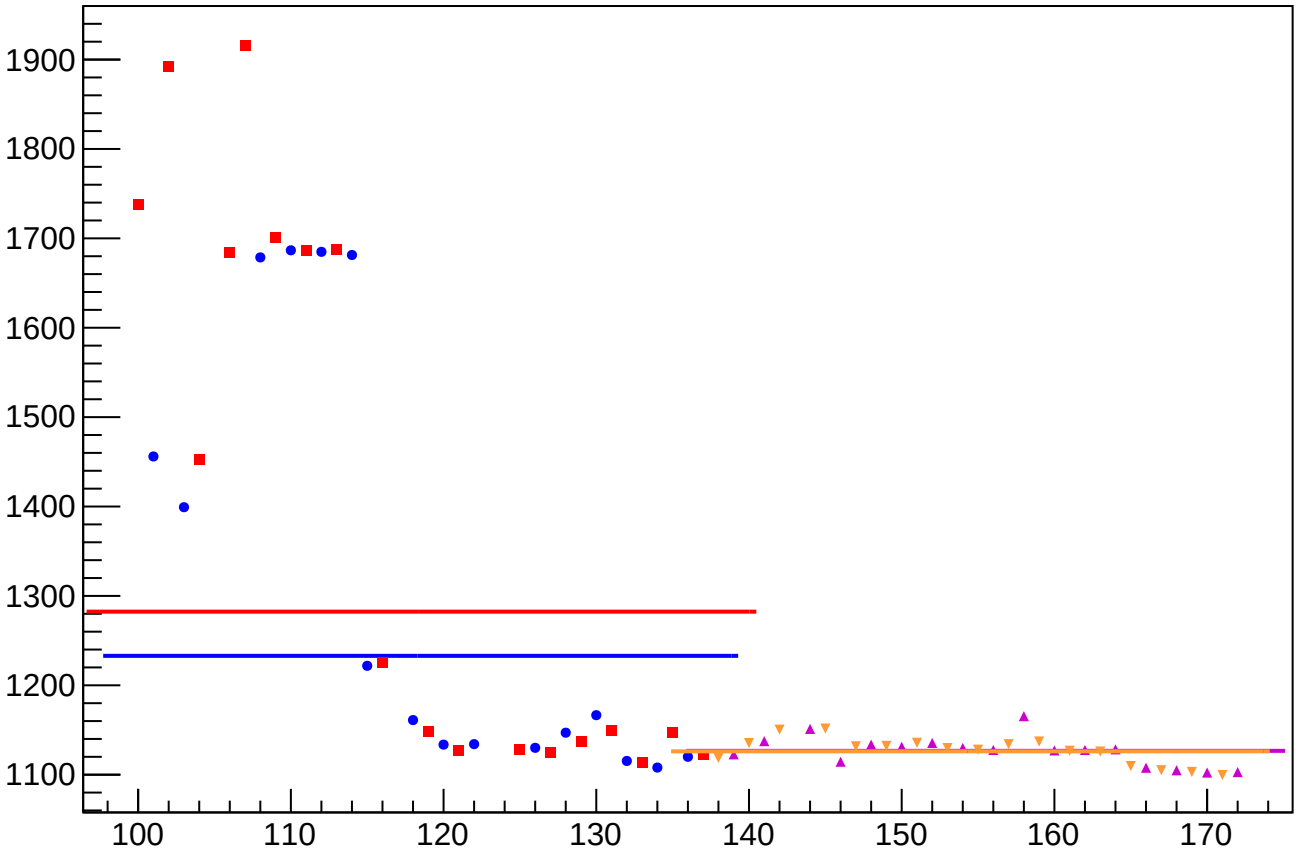
Left: 42.431+/-214.921 χ^2/NDF: 35.0/33

Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: 12.449+/-252.259 χ^2/NDF:29.4/32

Out: 122.564+/-259.354 χ^2/NDF:40.2/34

All: 65.980+/-180.830 χ^2/NDF: 69.7/67



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1126.136+/-0.217 χ^2/NDF:4346.3/16

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1126.680+/-0.213 χ^2/NDF:5936.1/16

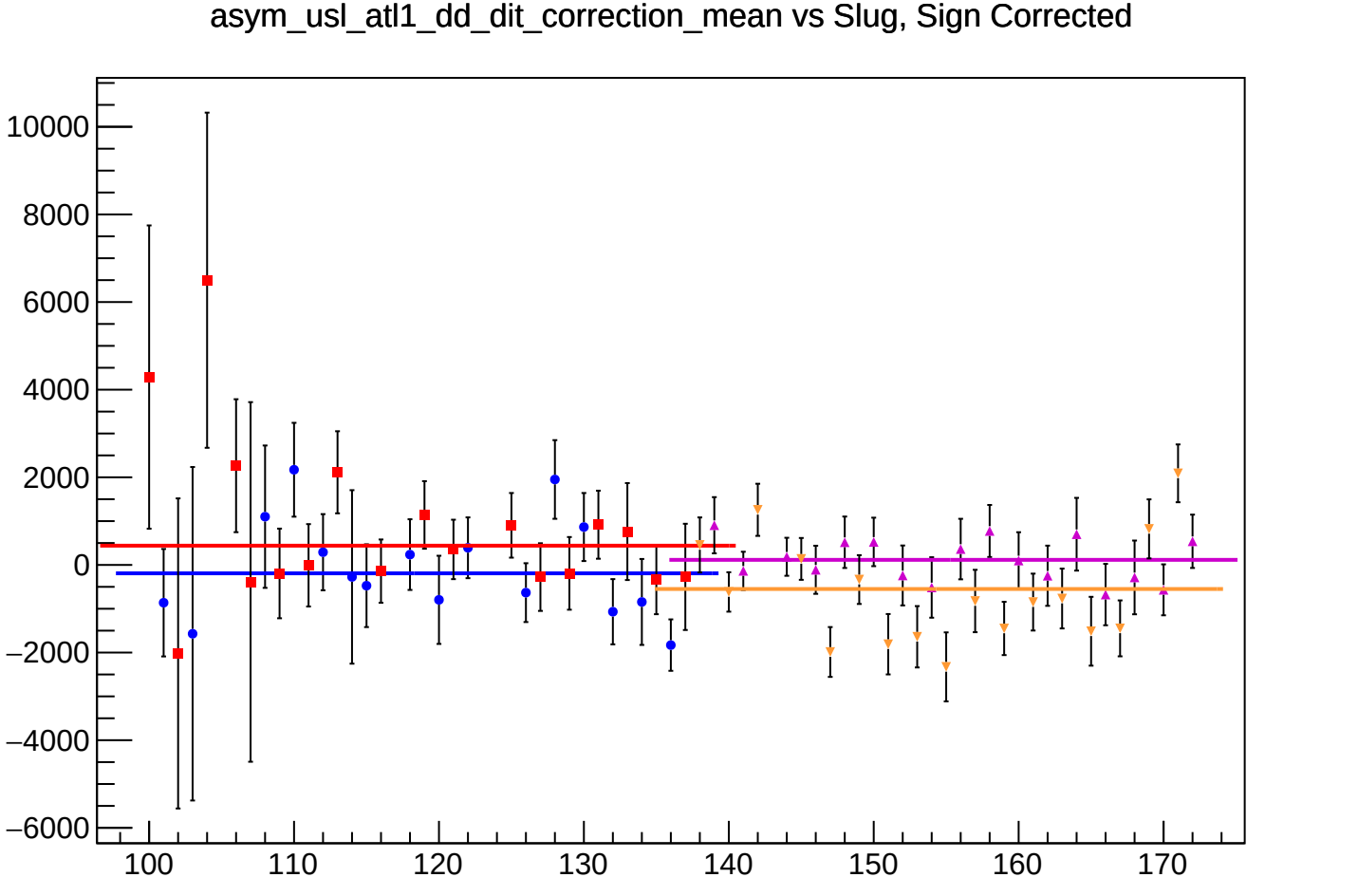
Left: 1126.414+/-0.152 χ^2/NDF: 10285.6/33

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

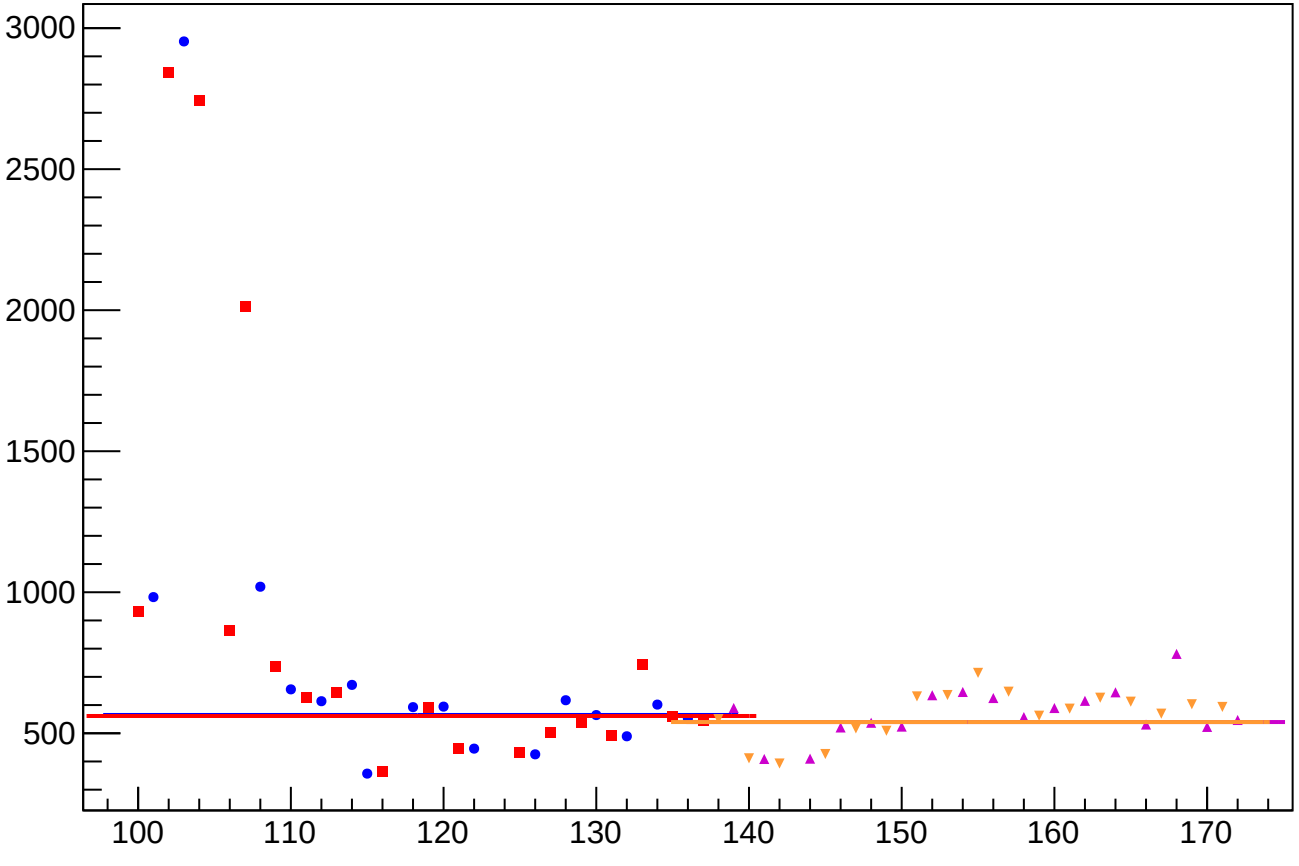
In: 1158.201+/-0.178 χ^2/NDF:395474.7/32

Out: 1171.038+/-0.183 χ^2/NDF:696437.2/34

All: 1164.441+/-0.128 χ^2/NDF: 1094429.8/67


asym_usl_atl1_dd_dit_correction_mean vs Slug, Sign Corrected
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -191.528+/-222.764 χ²/NDF: 25.3/15
Left Out: -549.142+/-149.841 χ²/NDF:57.6/16
Right Out: 439.610+/-226.600 χ²/NDF: 14.6/17
Left In: 116.001+/-146.281 χ²/NDF:9.7/16
Left: -208.575+/-104.672 χ²/NDF: 77.4/33
Right: 118.653+/-158.857 χ²/NDF: 43.9/33
In: 23.346+/-122.275 χ²/NDF:36.3/32
Out: -248.332+/-124.987 χ²/NDF:85.5/34
All: -109.514+/-87.404 χ²/NDF: 124.2/67

asym_usl_atl1_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 539.796+/-0.106 χ^2/NDF:721548.6/16

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 539.811+/-0.103 χ^2/NDF:729443.0/16

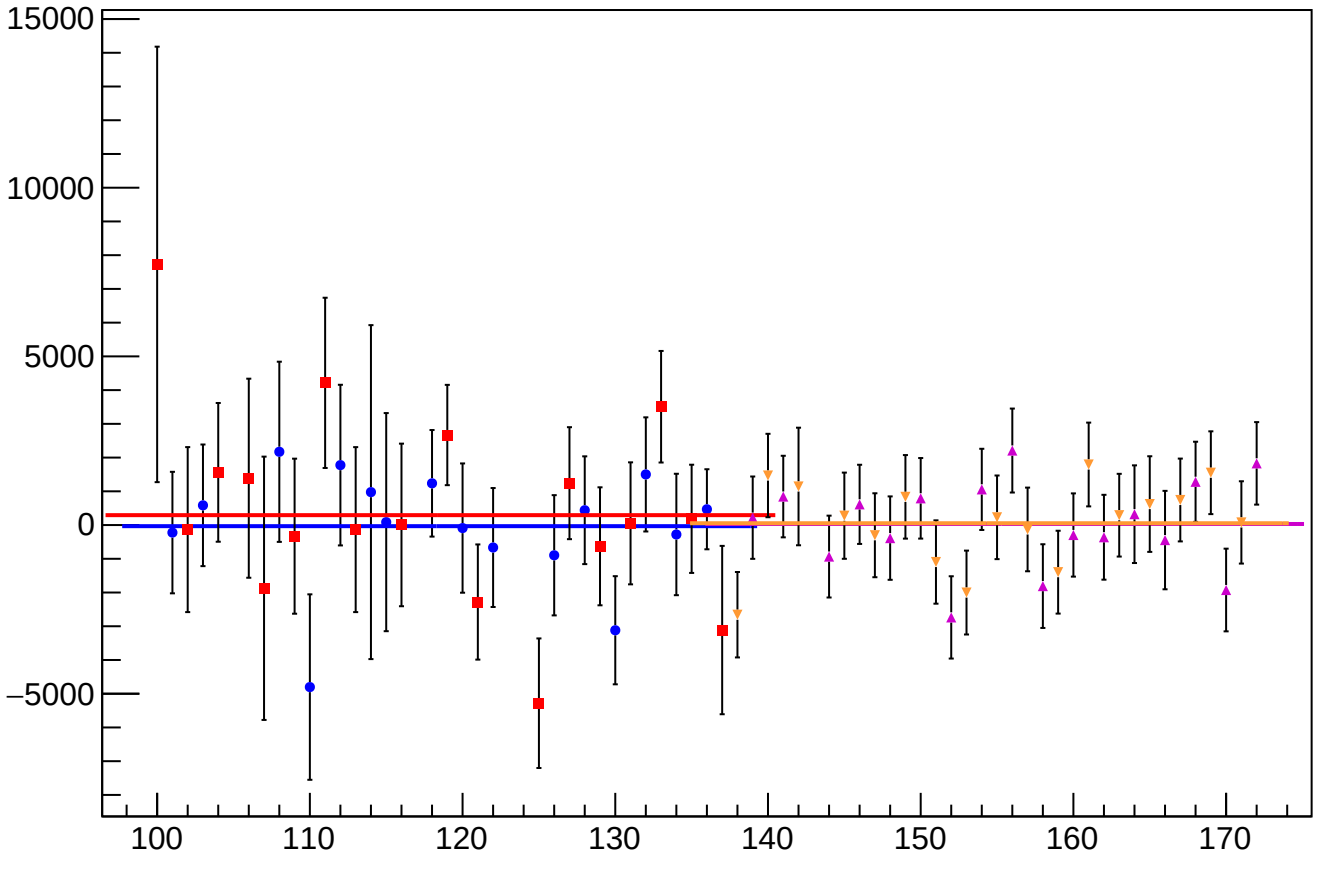
Left: 539.804+/-0.074 χ^2/NDF: 1450991.6/33

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 547.361+/-0.086 χ^2/NDF:2227502.8/32

Out: 546.330+/-0.088 χ^2/NDF:3007420.7/34

All: 546.857+/-0.062 χ^2/NDF: 5234993.1/67



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: 53.691+/-307.220 χ^2/NDF:15.8/16

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 31.638+/-300.771 χ^2/NDF:19.2/16

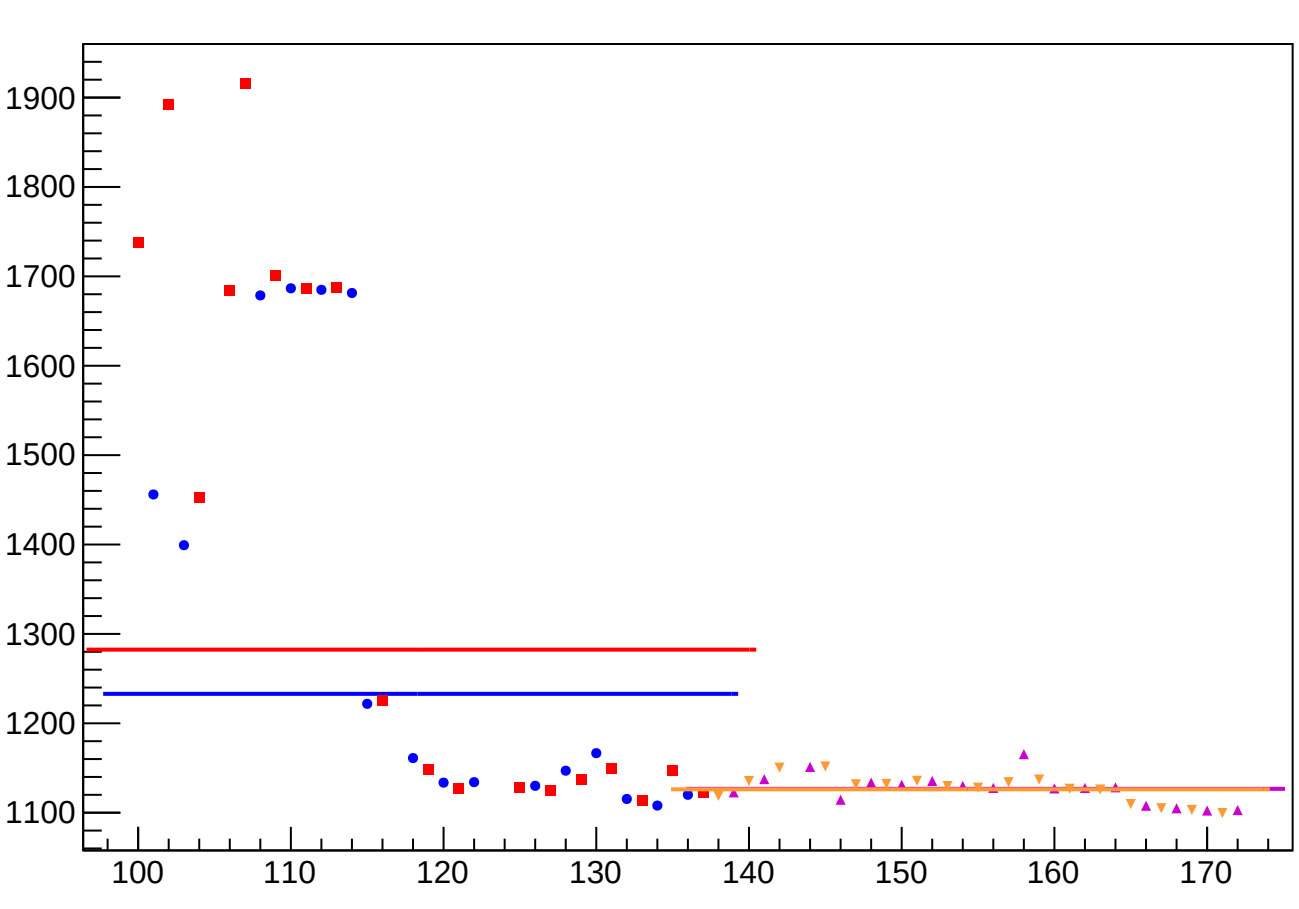
Left: 42.430+/-214.921 χ^2/NDF: 35.0/33

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: 12.450+/-252.259 χ^2/NDF:29.4/32

Out: 122.563+/-259.354 χ^2/NDF:40.2/34

All: 65.980+/-180.830 χ^2/NDF: 69.7/67



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1126.136+/-0.217 χ^2/NDF:4346.3/16

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1126.680+/-0.213 χ^2/NDF:5936.1/16

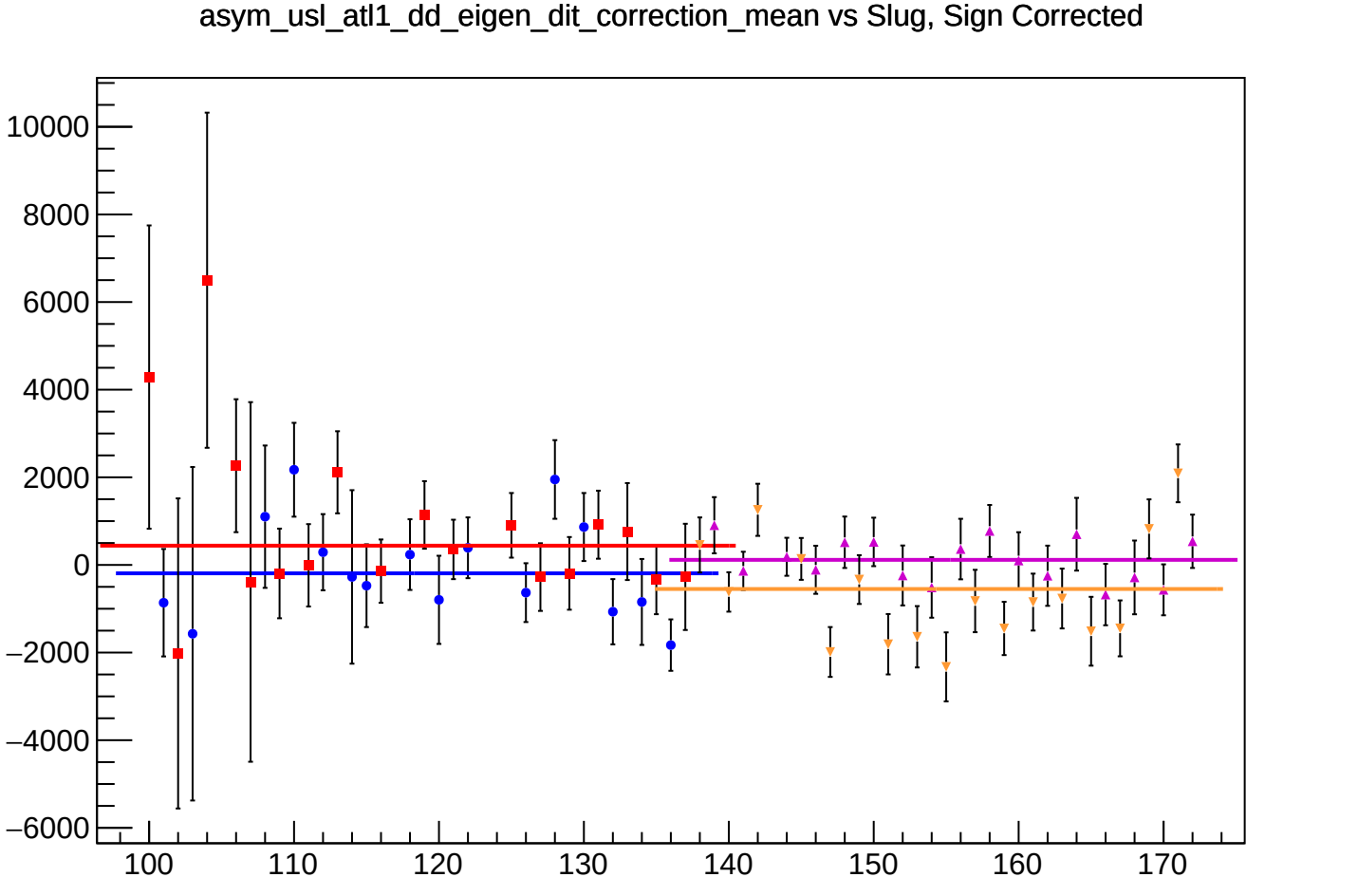
Left: 1126.414+/-0.152 χ^2/NDF: 10285.6/33

Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

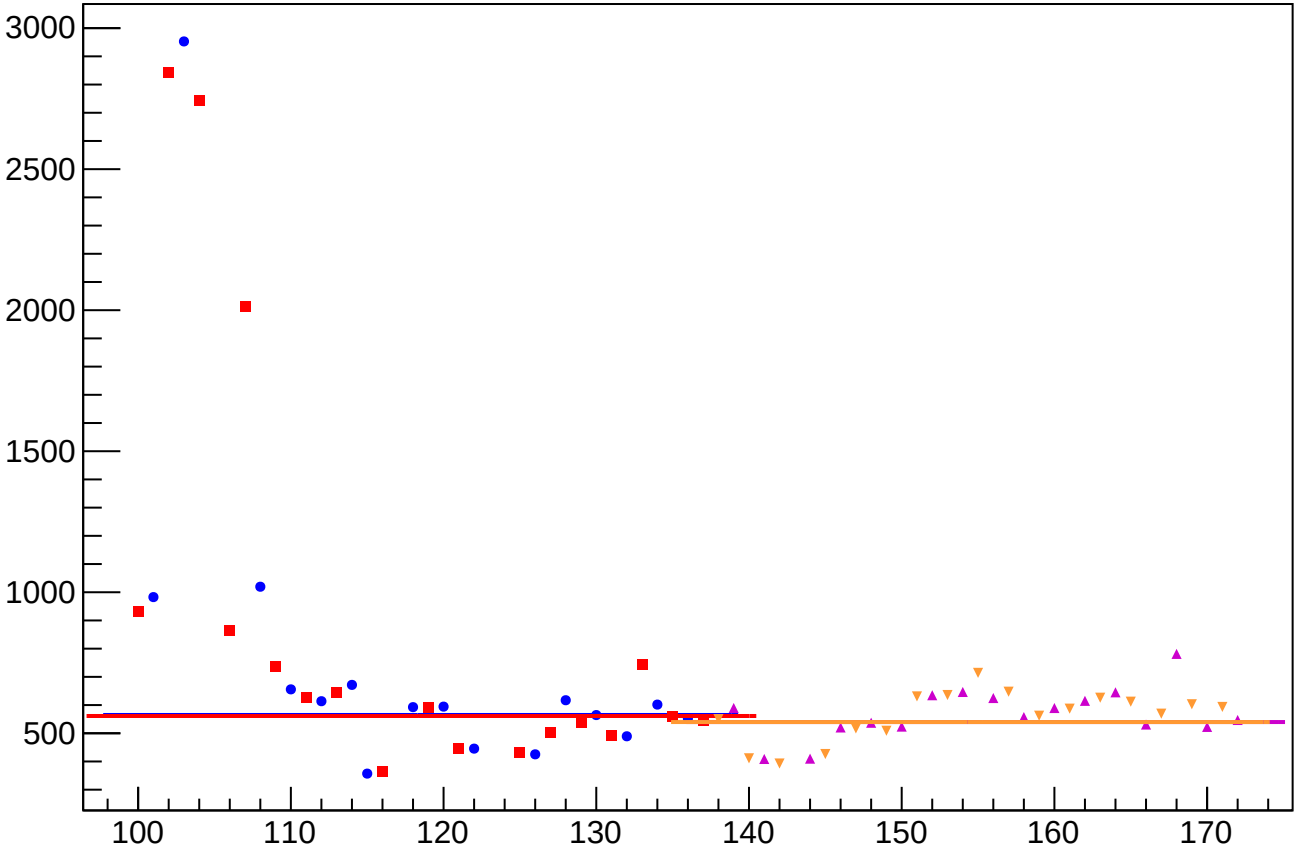
In: 1158.201+/-0.178 χ^2/NDF:395474.2/32

Out: 1171.038+/-0.183 χ^2/NDF:696436.5/34

All: 1164.441+/-0.128 χ^2/NDF: 1094428.6/67


asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -191.527+/-222.763 χ²/NDF: 25.3/15
Left Out: -549.141+/-149.841 χ²/NDF:57.6/16
Right Out: 439.611+/-226.600 χ²/NDF: 14.6/17
Left In: 116.001+/-146.281 χ²/NDF:9.7/16
Left: -208.574+/-104.672 χ²/NDF: 77.4/33
Right: 118.653+/-158.857 χ²/NDF: 43.9/33
In: 23.346+/-122.275 χ²/NDF:36.3/32
Out: -248.331+/-124.986 χ²/NDF:85.5/34
All: -109.513+/-87.404 χ²/NDF: 124.2/67

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: 539.795+/-0.106 χ^2/NDF:721567.3/16

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 539.811+/-0.103 χ^2/NDF:729455.4/16

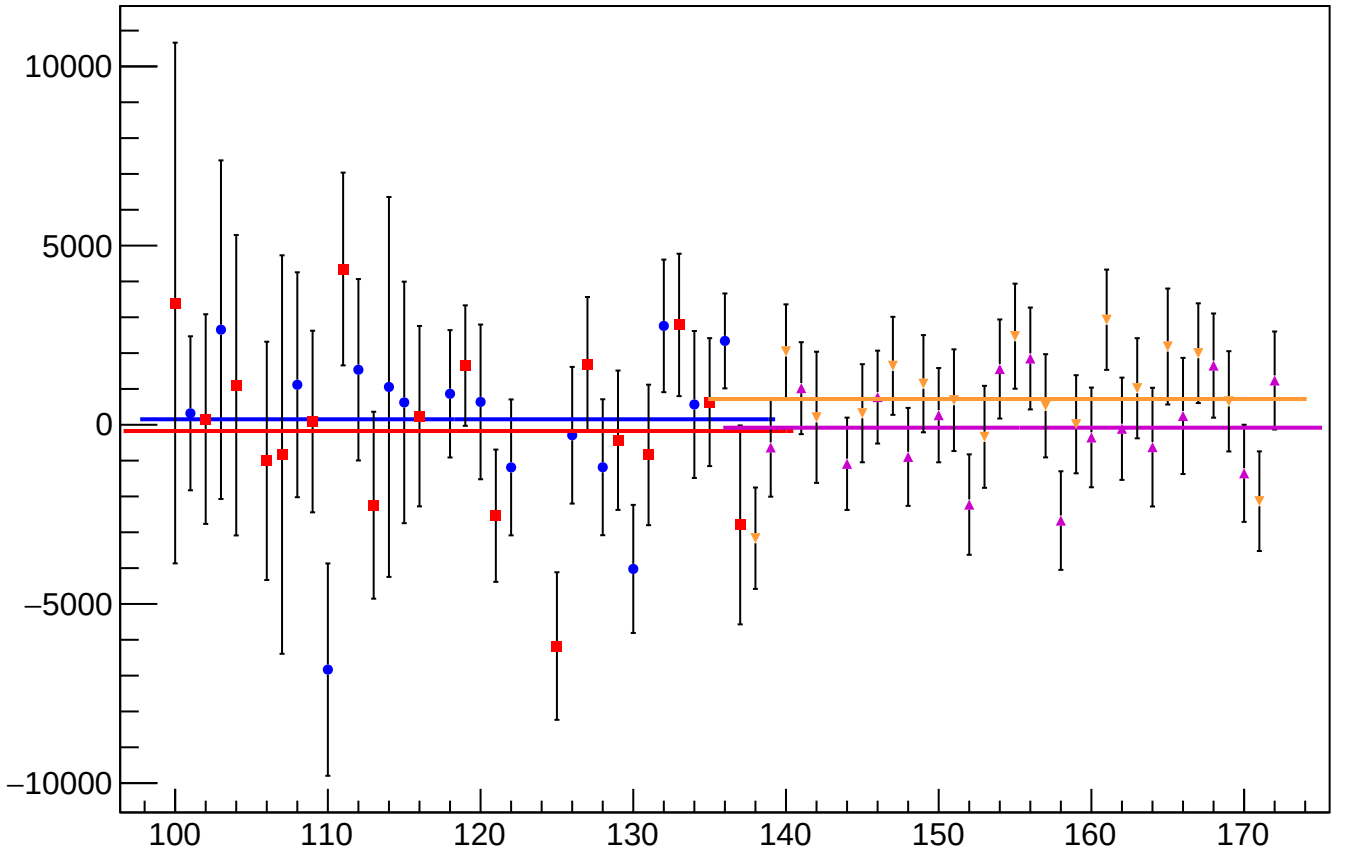
Left: 539.803+/-0.074 χ^2/NDF: 1451022.7/33

Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 547.361+/-0.086 χ^2/NDF:2227513.4/32

Out: 546.329+/-0.088 χ^2/NDF:3007440.9/34

All: 546.856+/-0.062 χ^2/NDF: 5235023.8/67



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 719.022+/-344.827 χ^2/NDF:20.0/16

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: 309.456+/-240.987 χ^2/NDF: 37.6/33

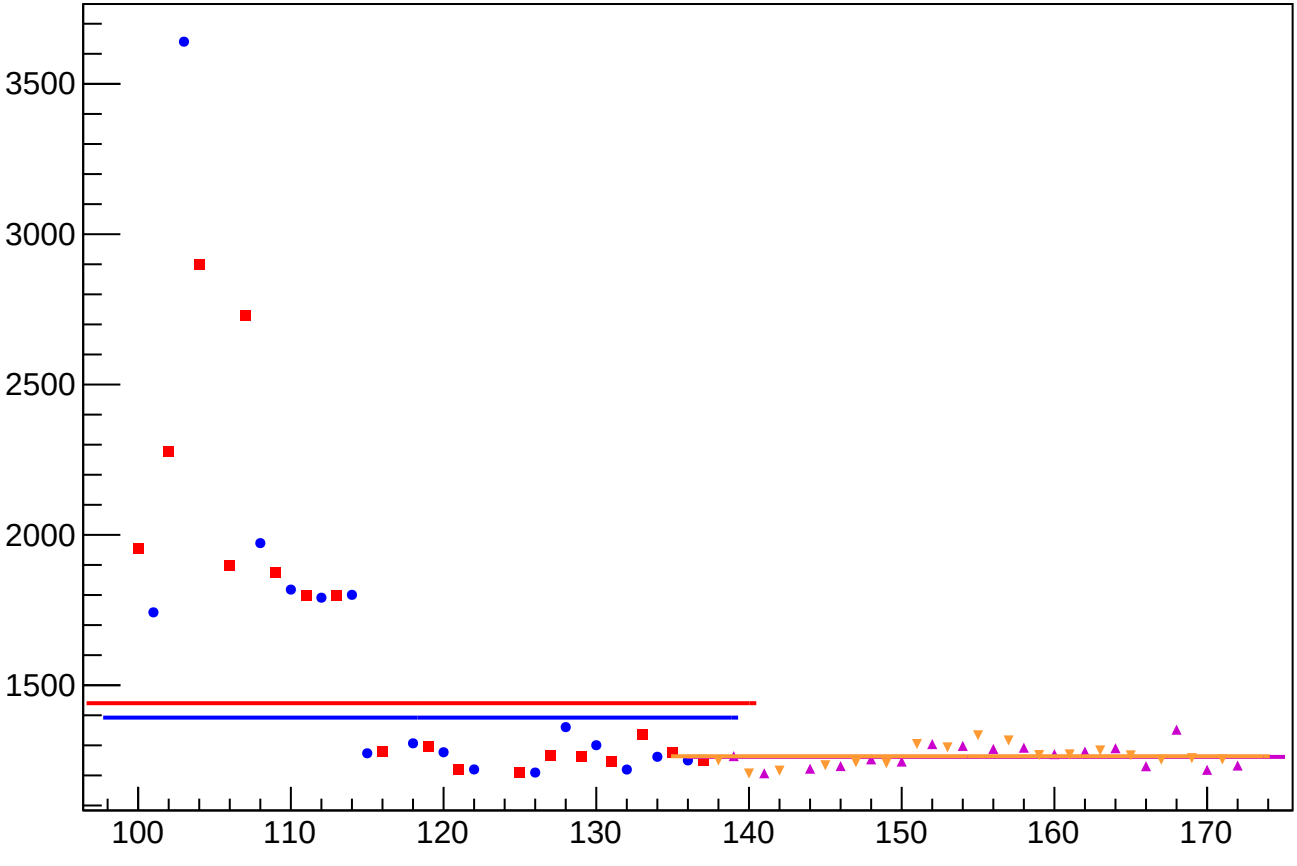
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: -14.317+/-284.657 χ^2/NDF:32.8/32

Out: 467.053+/-292.178 χ^2/NDF:41.5/34

All: 220.093+/-203.890 χ^2/NDF: 75.7/67

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1263.736+/-0.244 χ^2/NDF:17780.5/16

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: 1262.646+/-0.170 χ^2/NDF: 42046.6/33

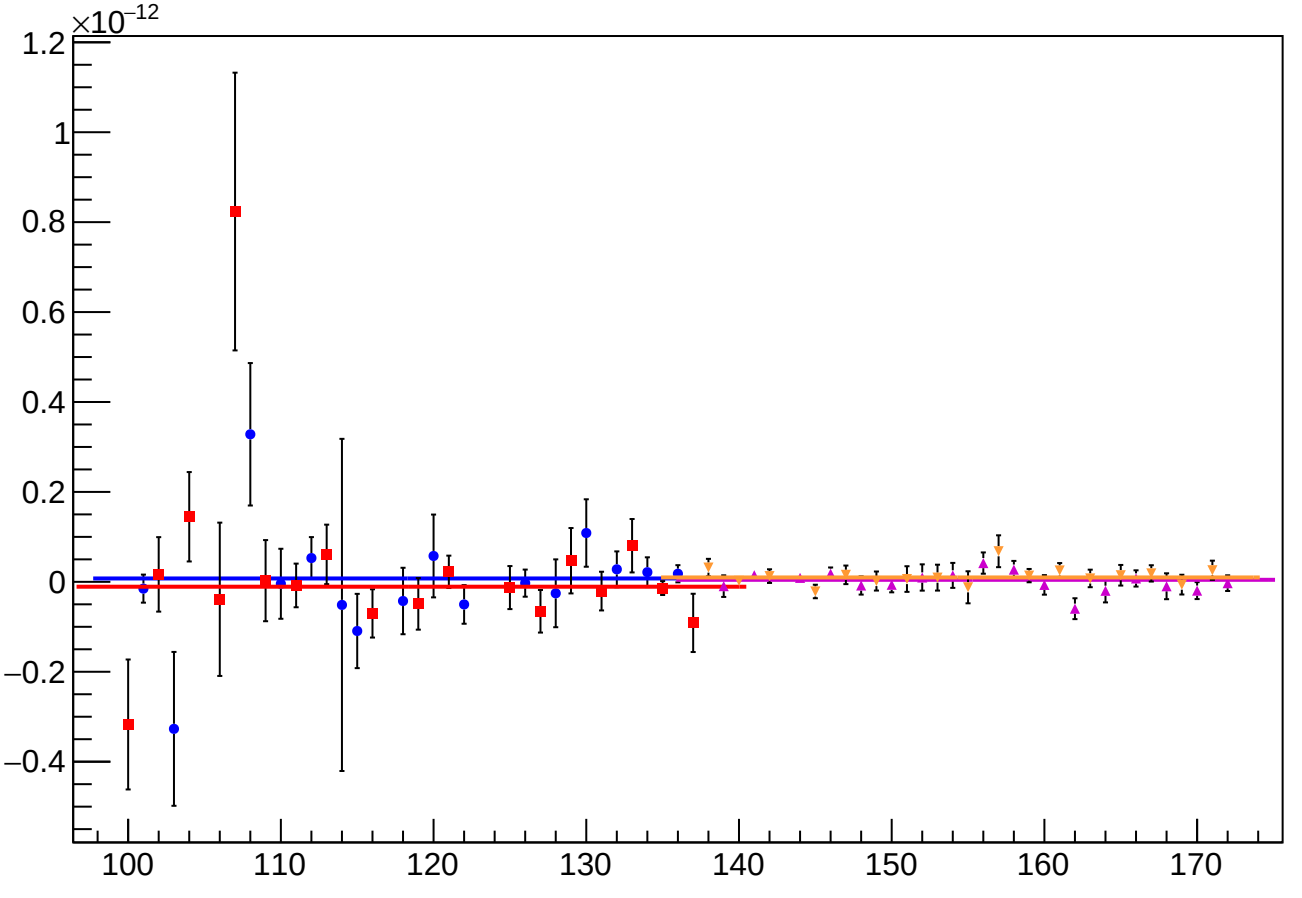
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1299.010+/-0.201 χ^2/NDF:889593.8/32

Out: 1313.514+/-0.207 χ^2/NDF:1020433.6/34

All: 1306.073+/-0.144 χ^2/NDF: 1912556.1/67

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.8/16

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: 0.000+/-0.000 χ^2/NDF:18.4/16

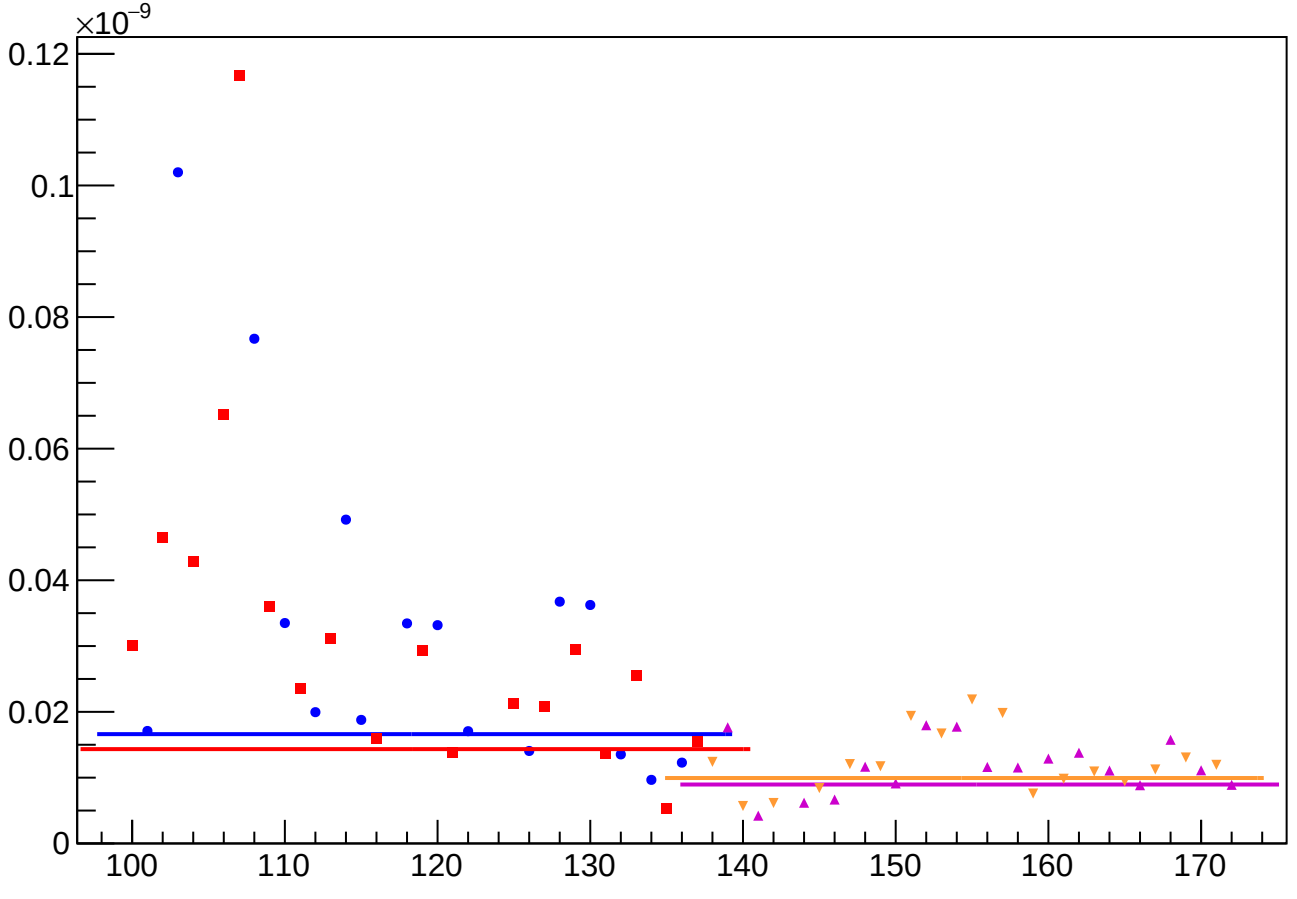
Left: 0.000+/-0.000 χ^2/NDF: 30.9/33

Right: -0.000+/-0.000 χ^2/NDF: 42.4/33

In: 0.000+/-0.000 χ^2/NDF:35.4/32

Out: 0.000+/-0.000 χ^2/NDF:39.0/34

All: 0.000+/-0.000 χ^2/NDF: 74.4/67



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1341780.8/16

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: 3146771.3/33

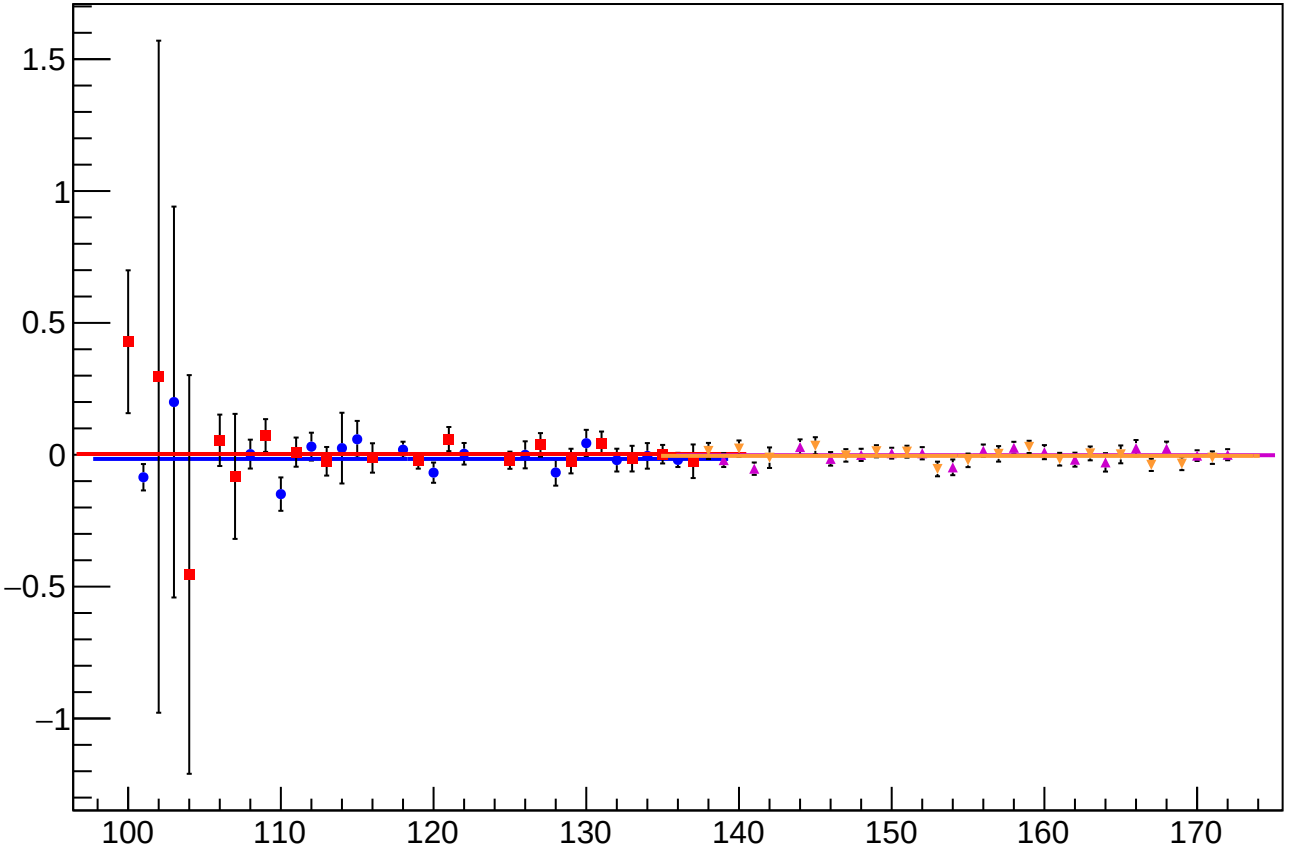
Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:4189591.1/32

Out: 0.000+/-0.000 χ^2/NDF:3889766.1/34

All: 0.000+/-0.000 χ^2/NDF: 8106000.5/67

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: -0.004+/-0.006 χ^2/NDF:13.6/16

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.002+/-0.006 χ^2/NDF:14.2/16

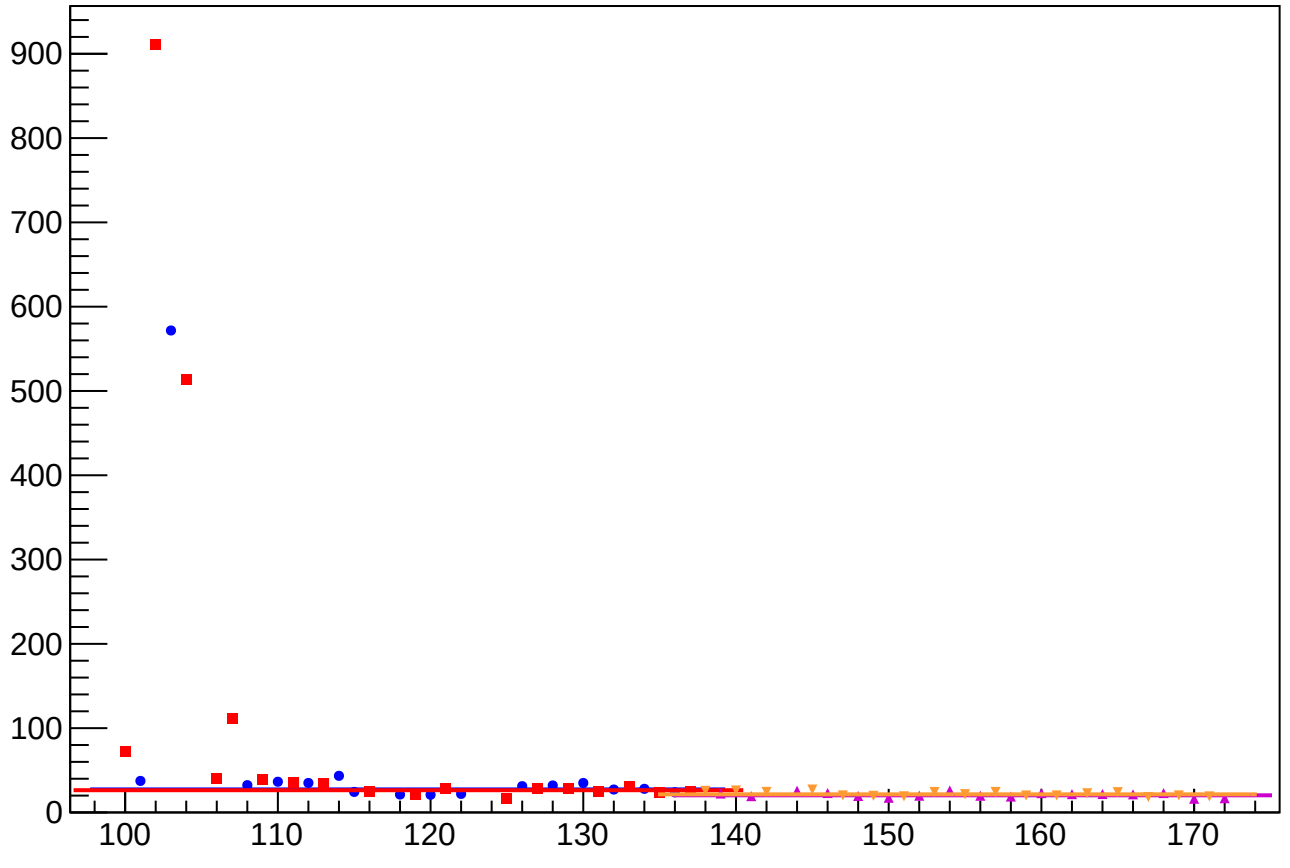
Left: -0.003+/-0.004 χ^2/NDF: 27.9/33

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+/-0.006 χ^2/NDF:23.7/34

All: -0.004+/-0.004 χ^2/NDF: 53.8/67



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 21.489+/-0.005 χ^2/NDF:323385.2/16

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: 20.880+/-0.003 χ^2/NDF: 779207.4/33

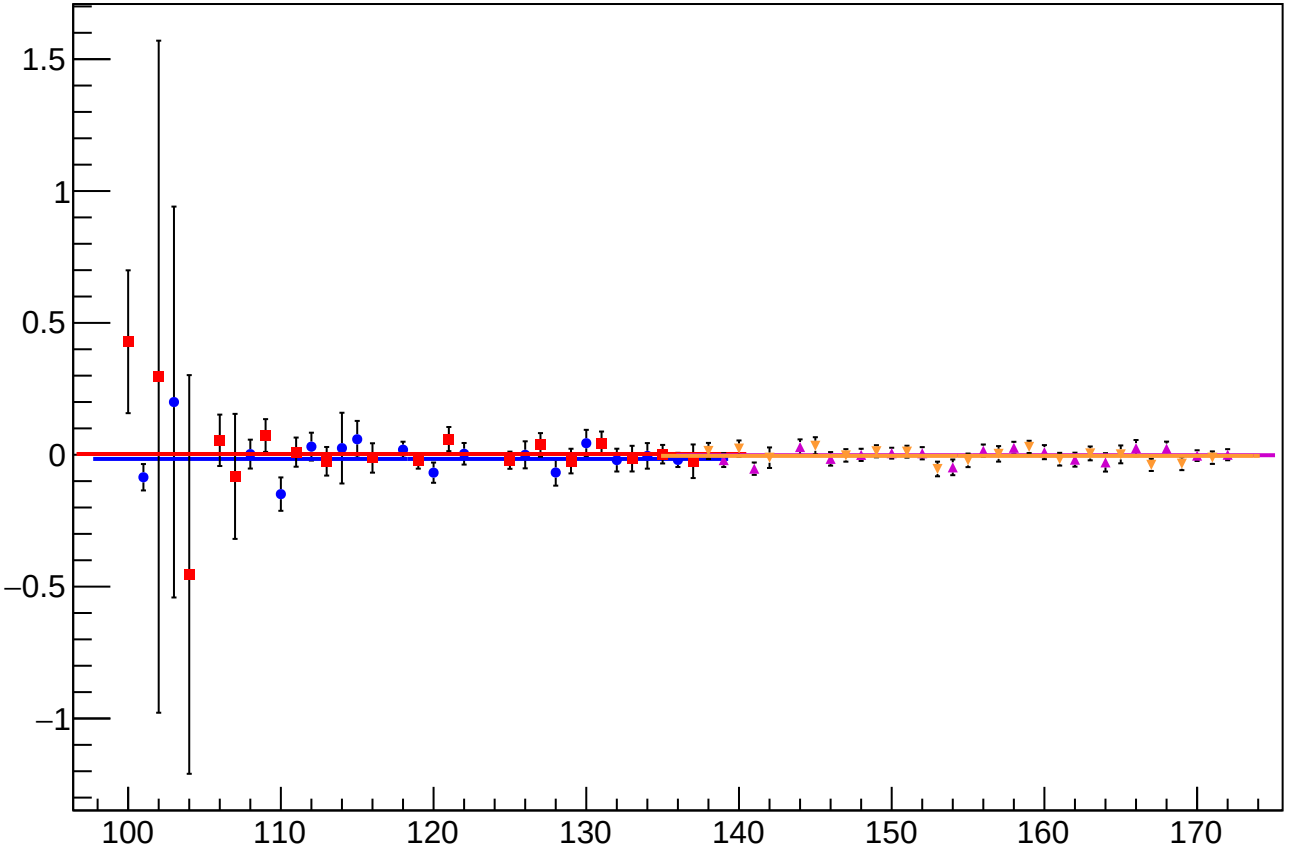
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 21.824+/-0.004 χ^2/NDF:2561215.9/32

Out: 22.572+/-0.004 χ^2/NDF:3198224.8/34

All: 22.176+/-0.003 χ^2/NDF: 5778020.6/67

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: -0.004+/-0.006 χ^2/NDF:13.6/16

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: 27.9/33

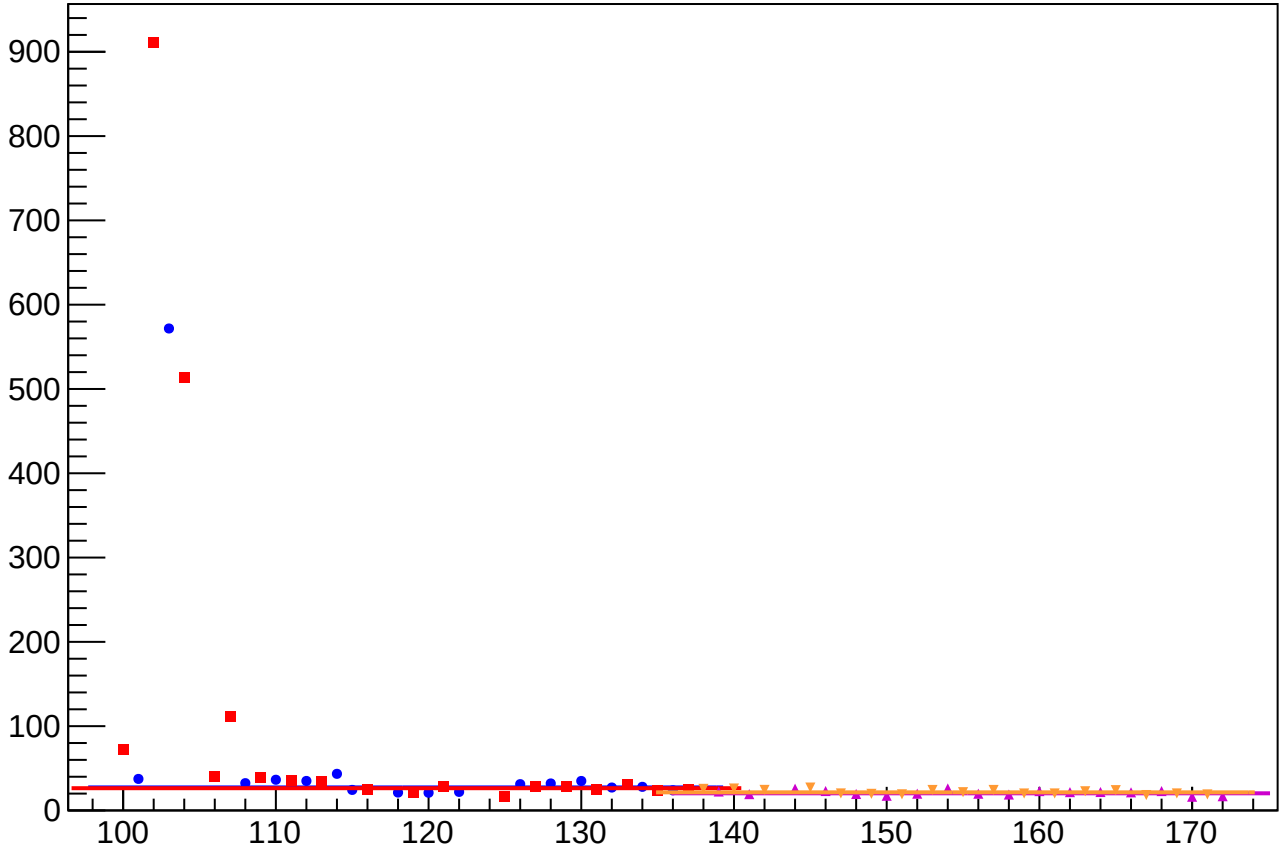
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.005+/-0.005 χ^2/NDF:30.0/32

Out: -0.003+/-0.006 χ^2/NDF:23.7/34

All: -0.004+/-0.004 χ^2/NDF: 53.8/67

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: 21.489+/-0.005 χ^2/NDF:323385.2/16

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.344+/-0.004 χ^2/NDF:421773.7/16

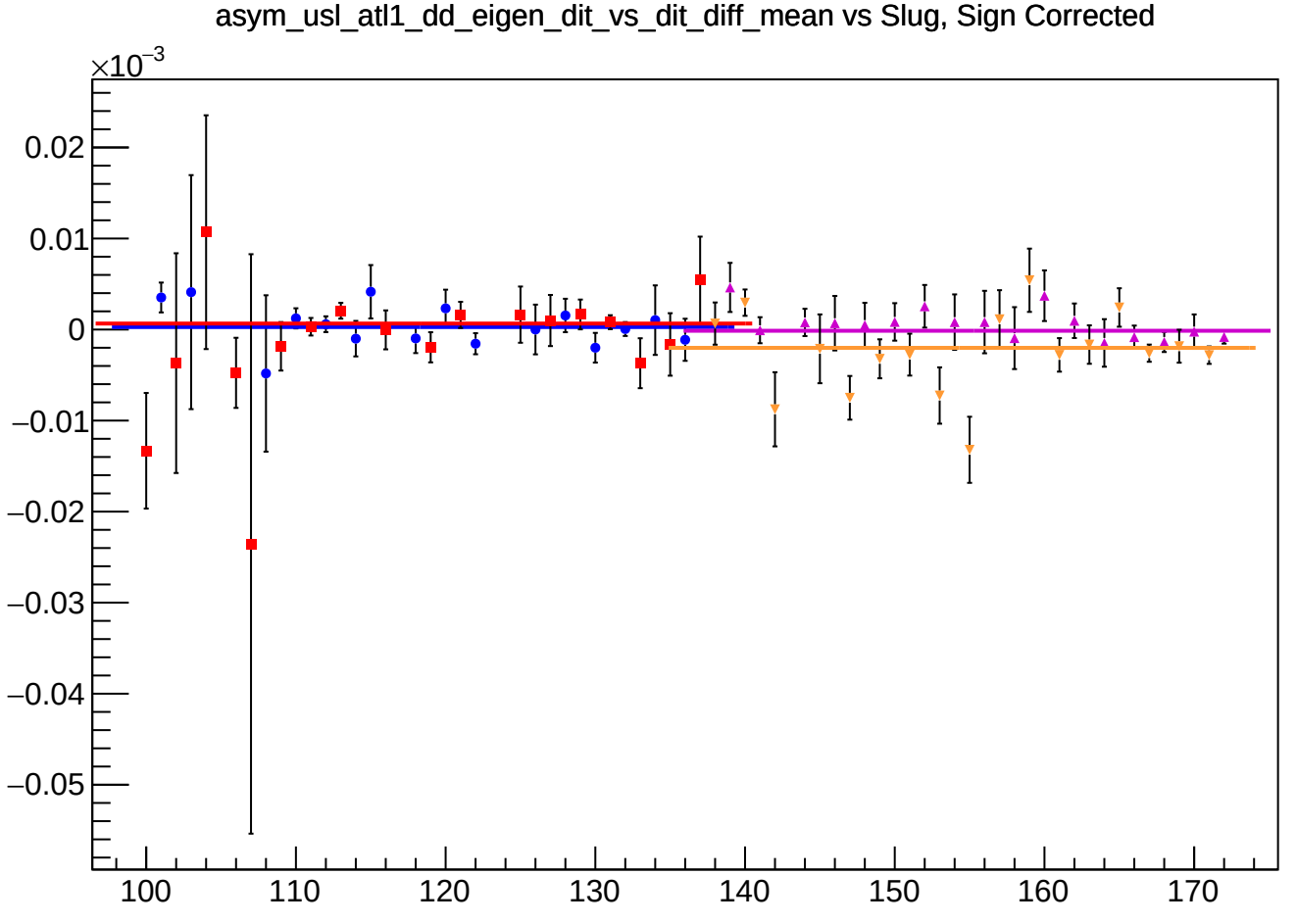
Left: 20.880+/-0.003 χ^2/NDF: 779207.4/33

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 21.824+/-0.004 χ^2/NDF:2561215.9/32

Out: 22.572+/-0.004 χ^2/NDF:3198224.8/34

All: 22.176+/-0.003 χ^2/NDF: 5778020.6/67



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:45.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/17

Left In: -0.000+/-0.000 χ^2/NDF:10.3/16

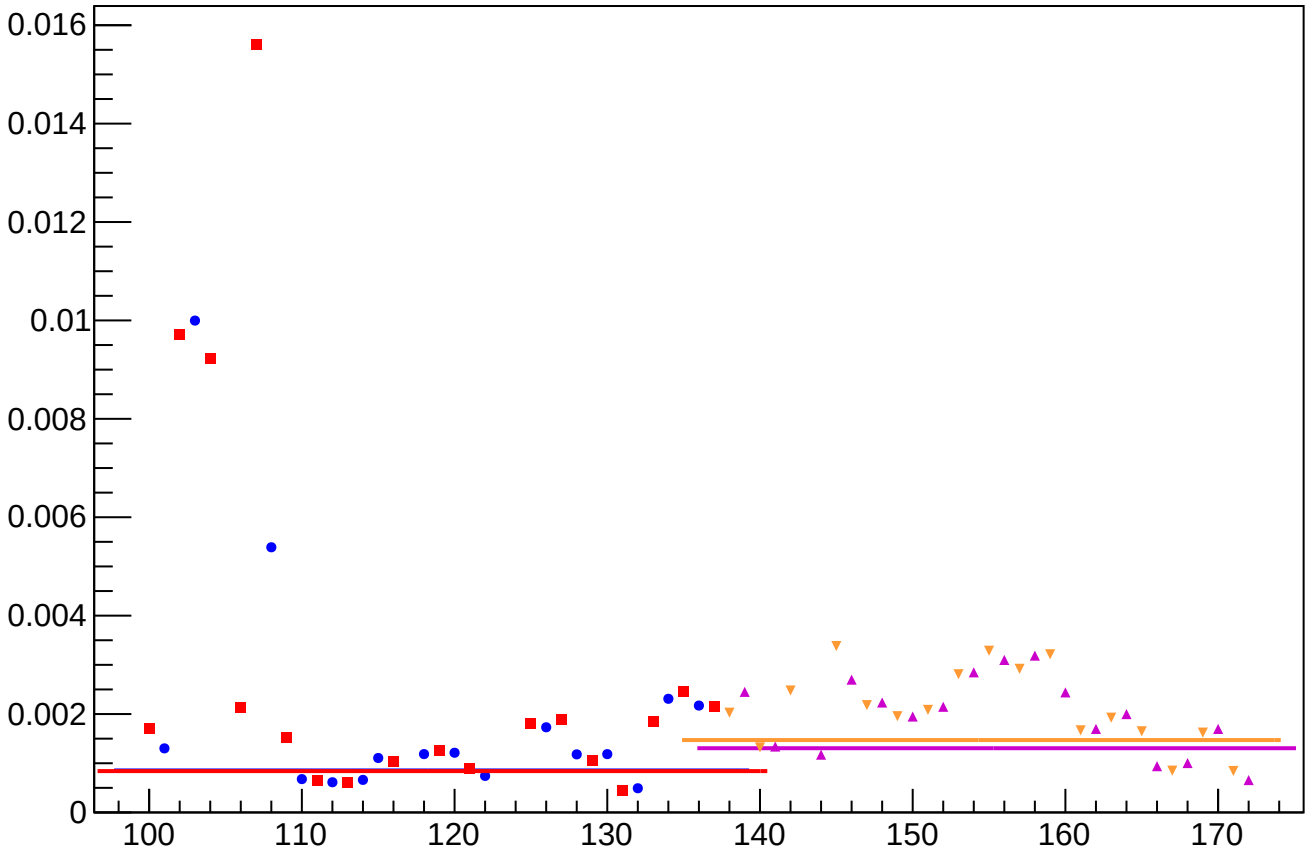
Left: -0.000+/-0.000 χ^2/NDF: 65.2/33

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:84.2/34

All: -0.000+/-0.000 χ^2/NDF: 111.8/67



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:4848372.5/16

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: 10752326.2/33

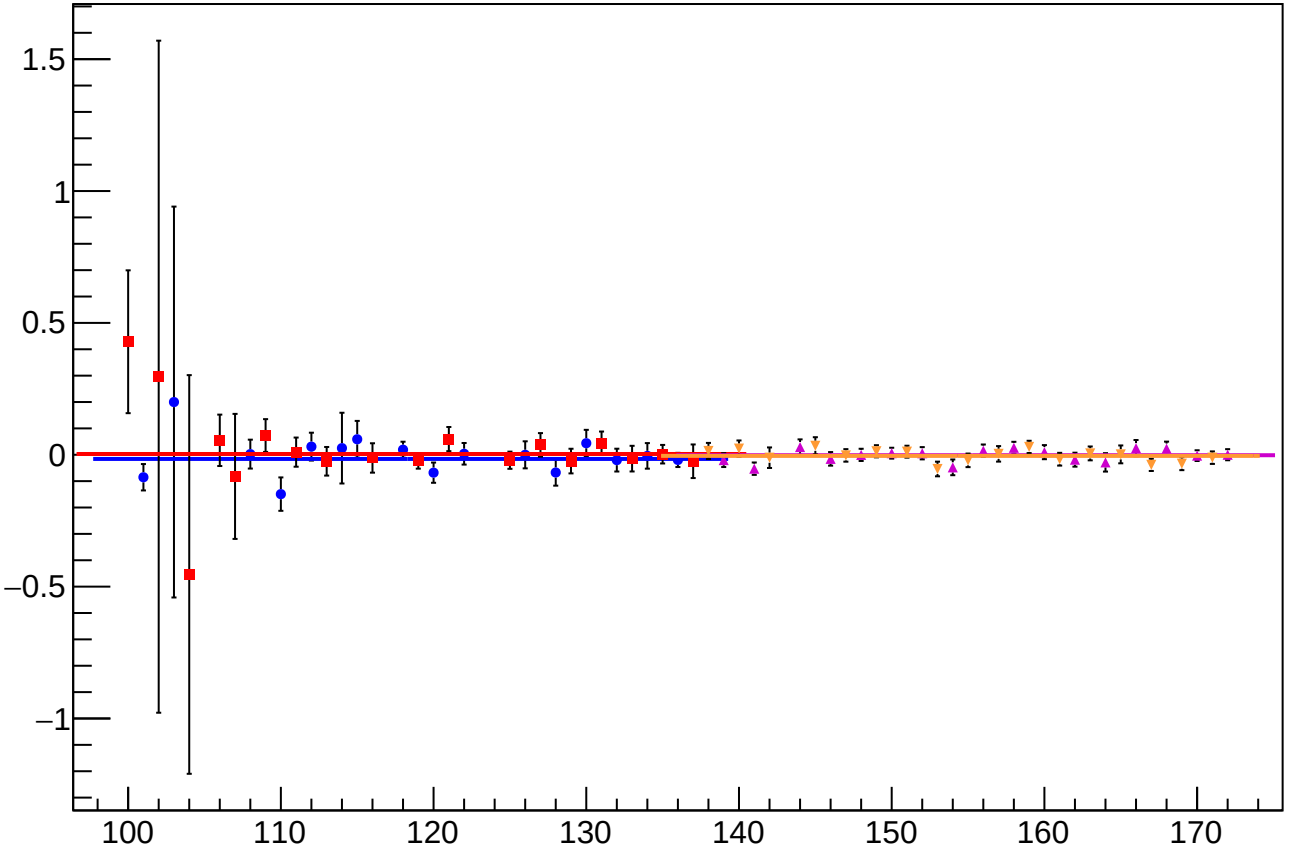
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:10964599.7/32

Out: 0.001+/-0.000 χ^2/NDF:12102173.3/34

All: 0.001+/-0.000 χ^2/NDF: 23104409.5/67

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: -0.004+/-0.006 χ^2/NDF:13.6/16

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: 27.9/33

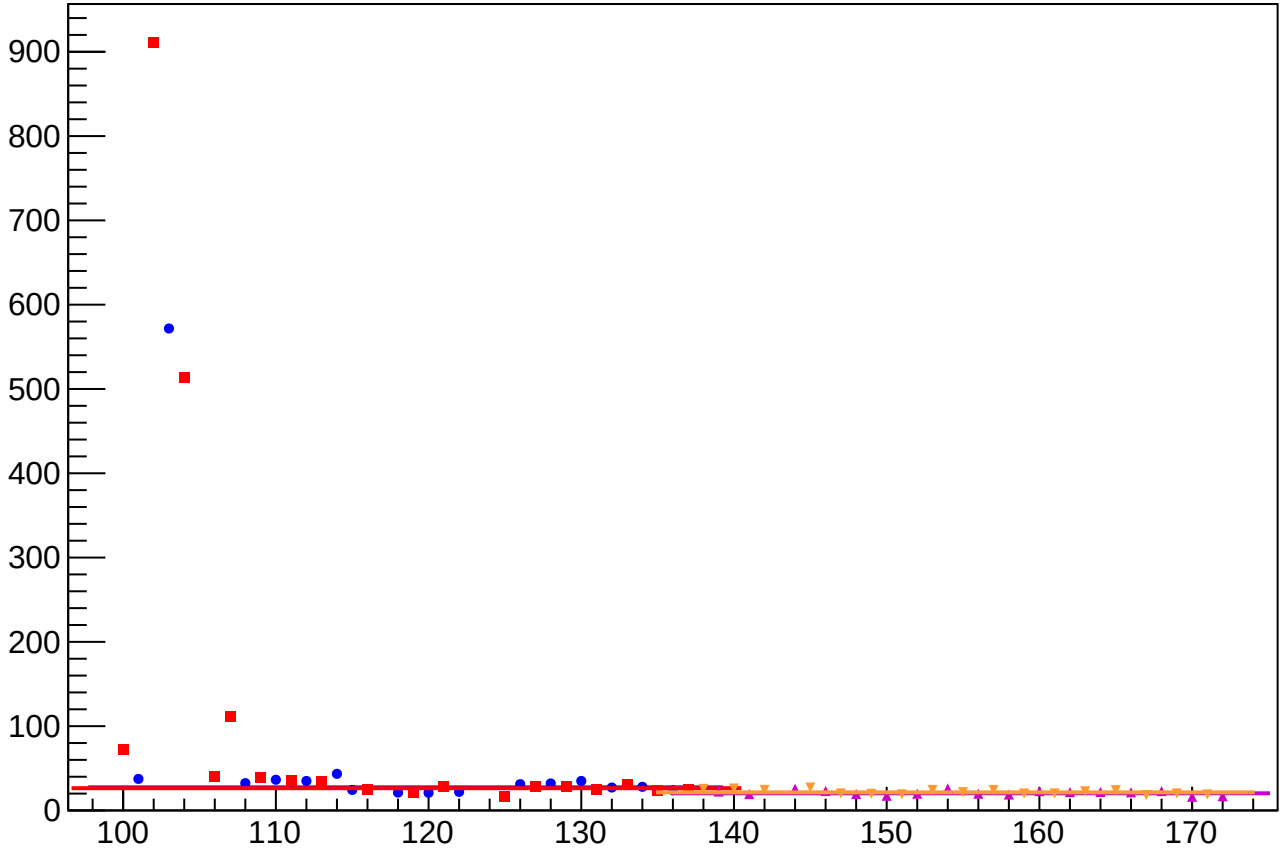
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.005+/-0.005 χ^2/NDF:30.0/32

Out: -0.003+/-0.006 χ^2/NDF:23.7/34

All: -0.004+/-0.004 χ^2/NDF: 53.8/67

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: 21.489+/-0.005 χ^2/NDF:323357.6/16

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: 20.880+/-0.003 χ^2/NDF: 779200.5/33

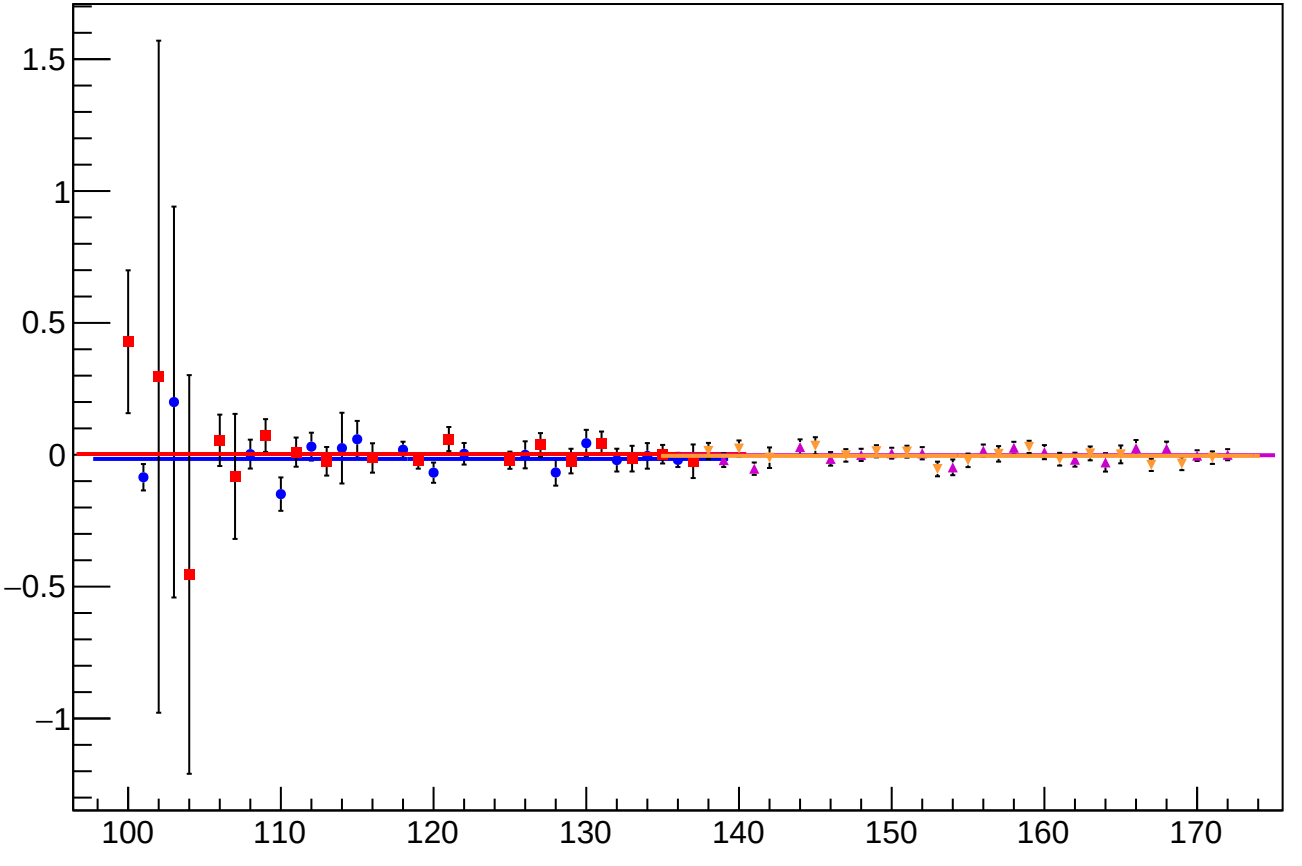
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 21.824+/-0.004 χ^2/NDF:2561237.9/32

Out: 22.572+/-0.004 χ^2/NDF:3198222.0/34

All: 22.176+/-0.003 χ^2/NDF: 5778038.4/67

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: -0.004+/-0.006 χ^2/NDF:13.6/16

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: 27.9/33

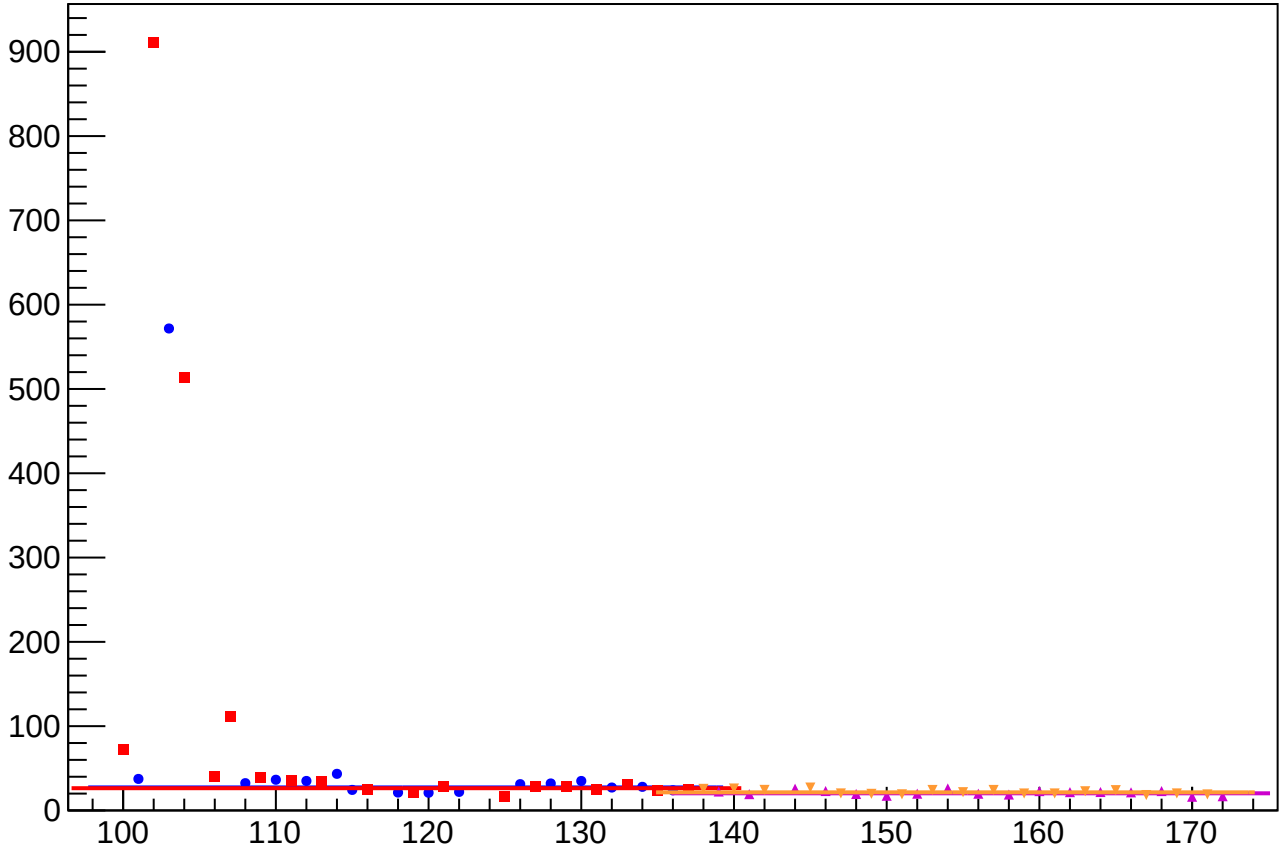
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.005+/-0.005 χ^2/NDF:30.0/32

Out: -0.003+/-0.006 χ^2/NDF:23.7/34

All: -0.004+/-0.004 χ^2/NDF: 53.8/67

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: 21.489+/-0.005 χ^2/NDF:323357.6/16

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.344+/-0.004 χ^2/NDF:421796.5/16

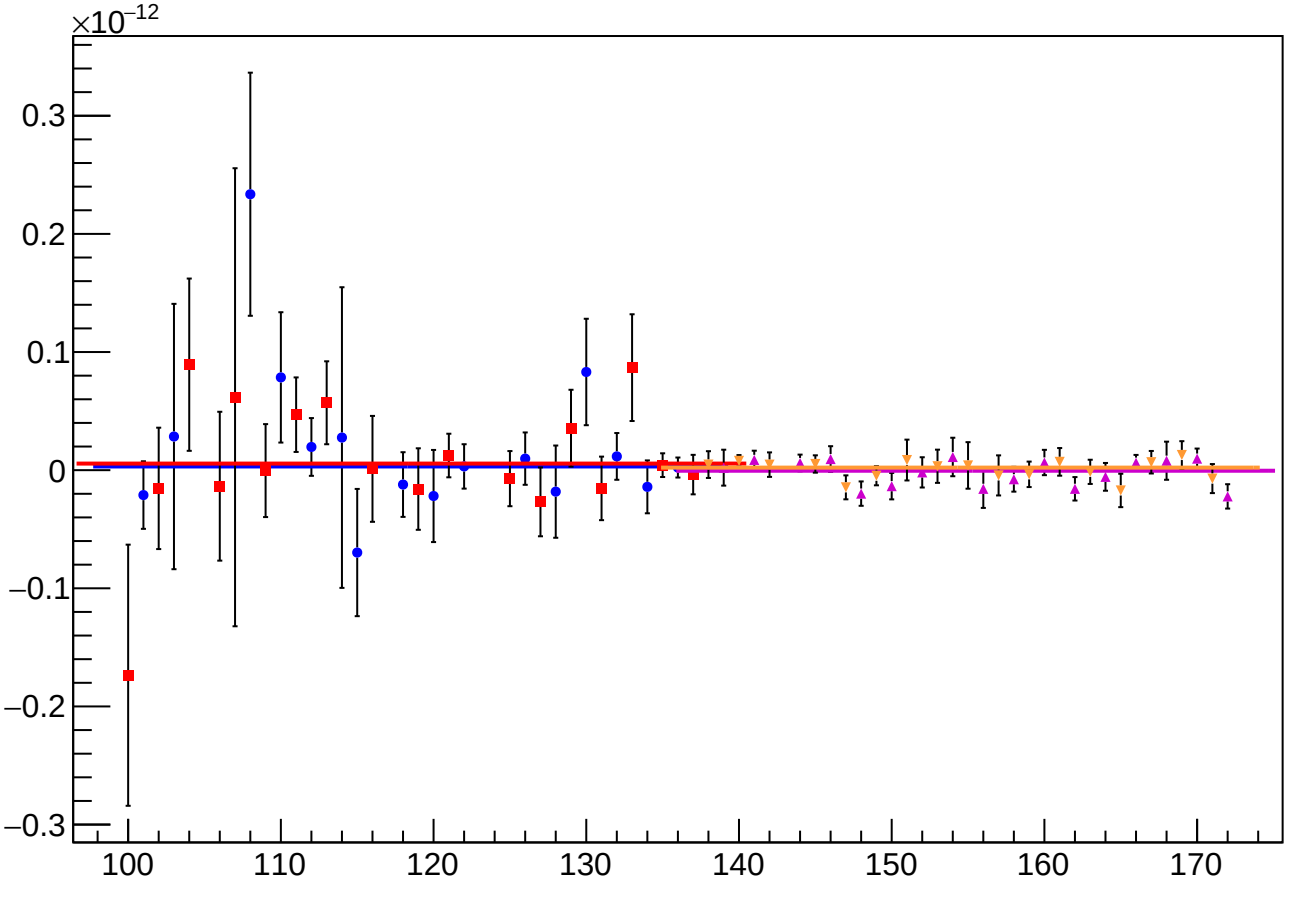
Left: 20.880+/-0.003 χ^2/NDF: 779200.5/33

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 21.824+/-0.004 χ^2/NDF:2561237.9/32

Out: 22.572+/-0.004 χ^2/NDF:3198222.0/34

All: 22.176+/-0.003 χ^2/NDF: 5778038.4/67



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.4/16

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: 30.2/33

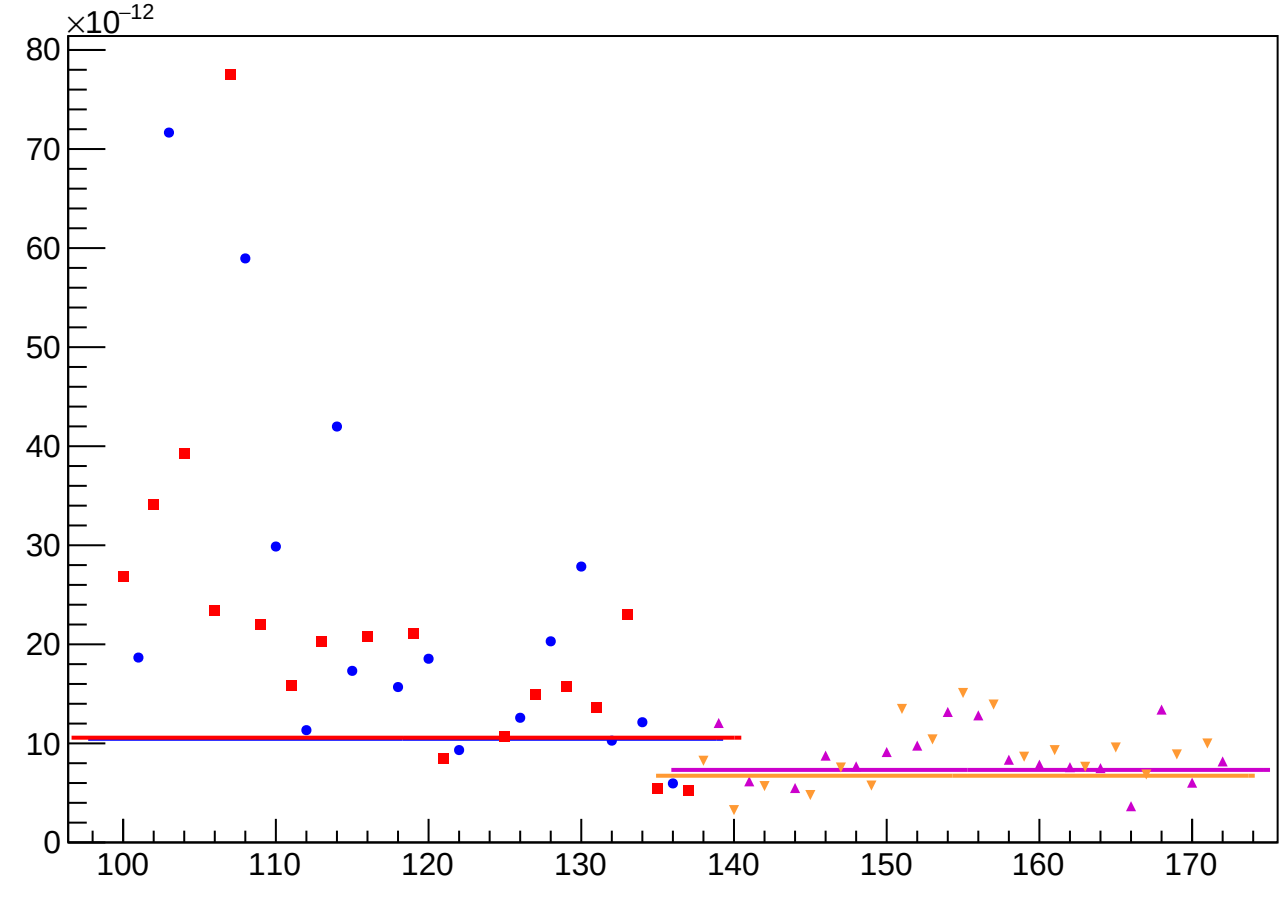
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: 0.000+/-0.000 χ^2/NDF:35.5/32

Out: 0.000+/-0.000 χ^2/NDF:25.0/34

All: 0.000+/-0.000 χ^2/NDF: 61.1/67

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:2860652.9/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2016381.5/16

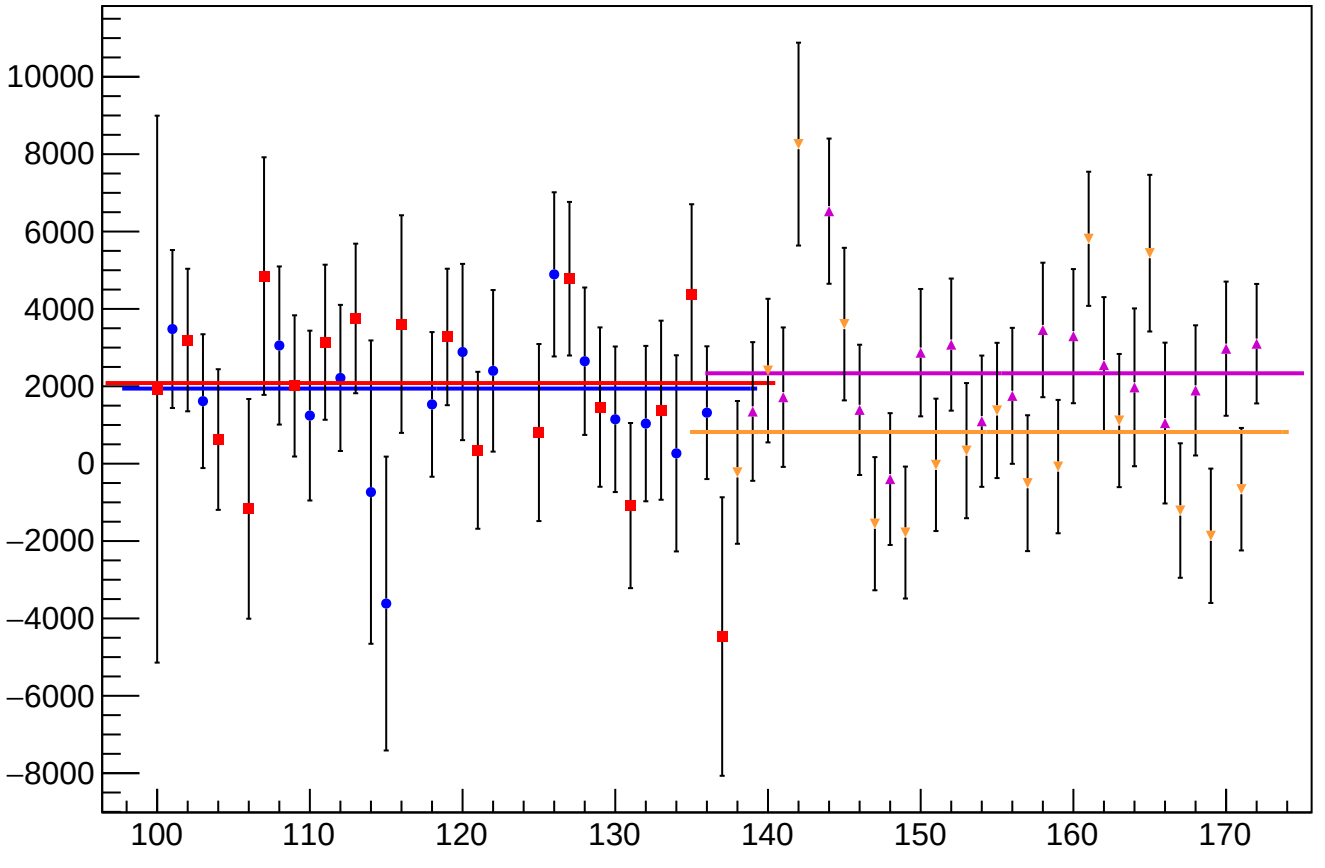
Left: 0.000+/-0.000 χ^2/NDF: 4935539.4/33

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:6320516.1/34

All: 0.000+/-0.000 χ^2/NDF: 11697886.5/67



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 819.032+/-434.322 χ^2/NDF:34.7/16

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: 1594.888+/-303.584 χ^2/NDF: 51.8/33

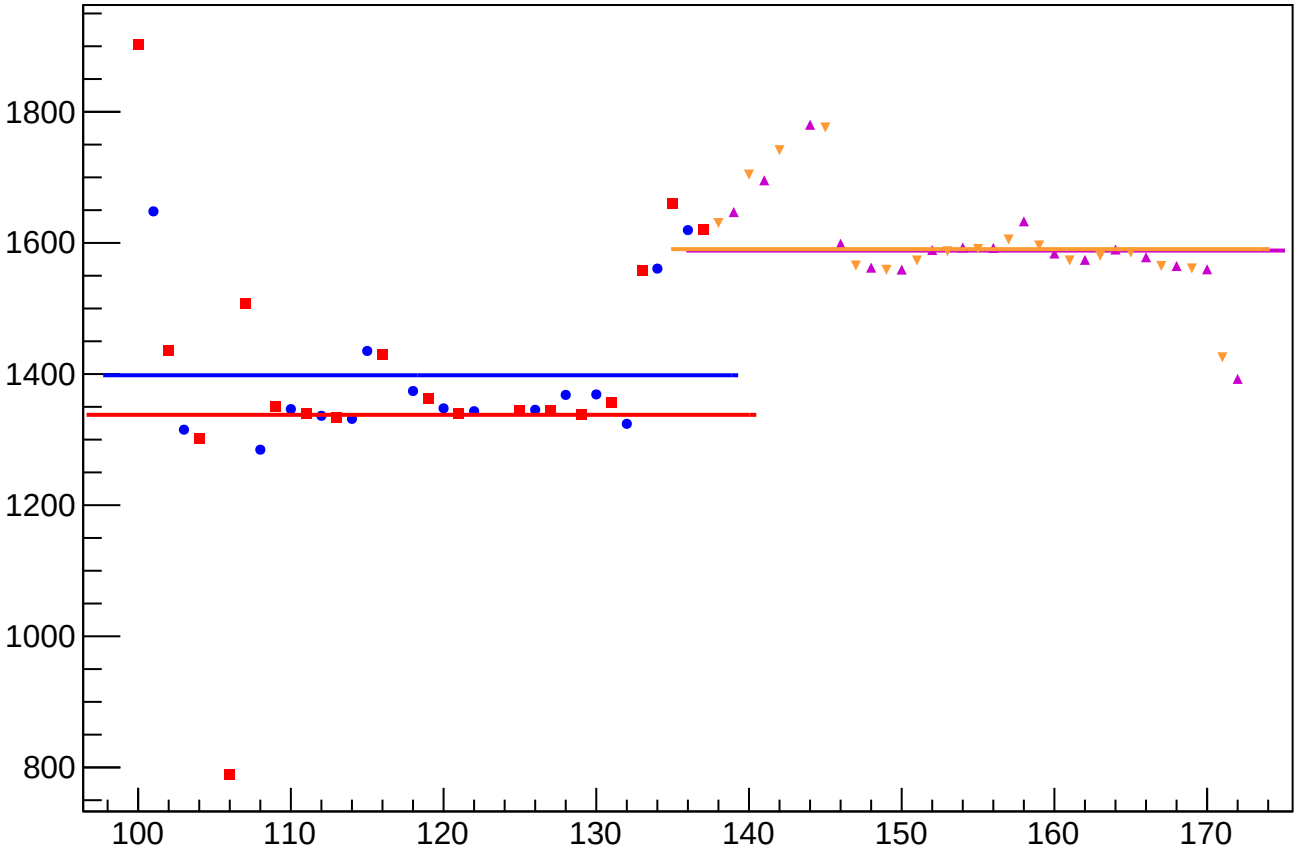
Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2178.862+/-329.393 χ^2/NDF:18.1/32

Out: 1339.328+/-333.234 χ^2/NDF:52.7/34

All: 1763.961+/-234.262 χ^2/NDF: 74.0/67

reg_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1590.574+/-0.307 χ^2/NDF:57272.0/16

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1588.367+/-0.300 χ^2/NDF:65900.9/16

Left: 1589.445+/-0.215 χ^2/NDF: 123199.3/33

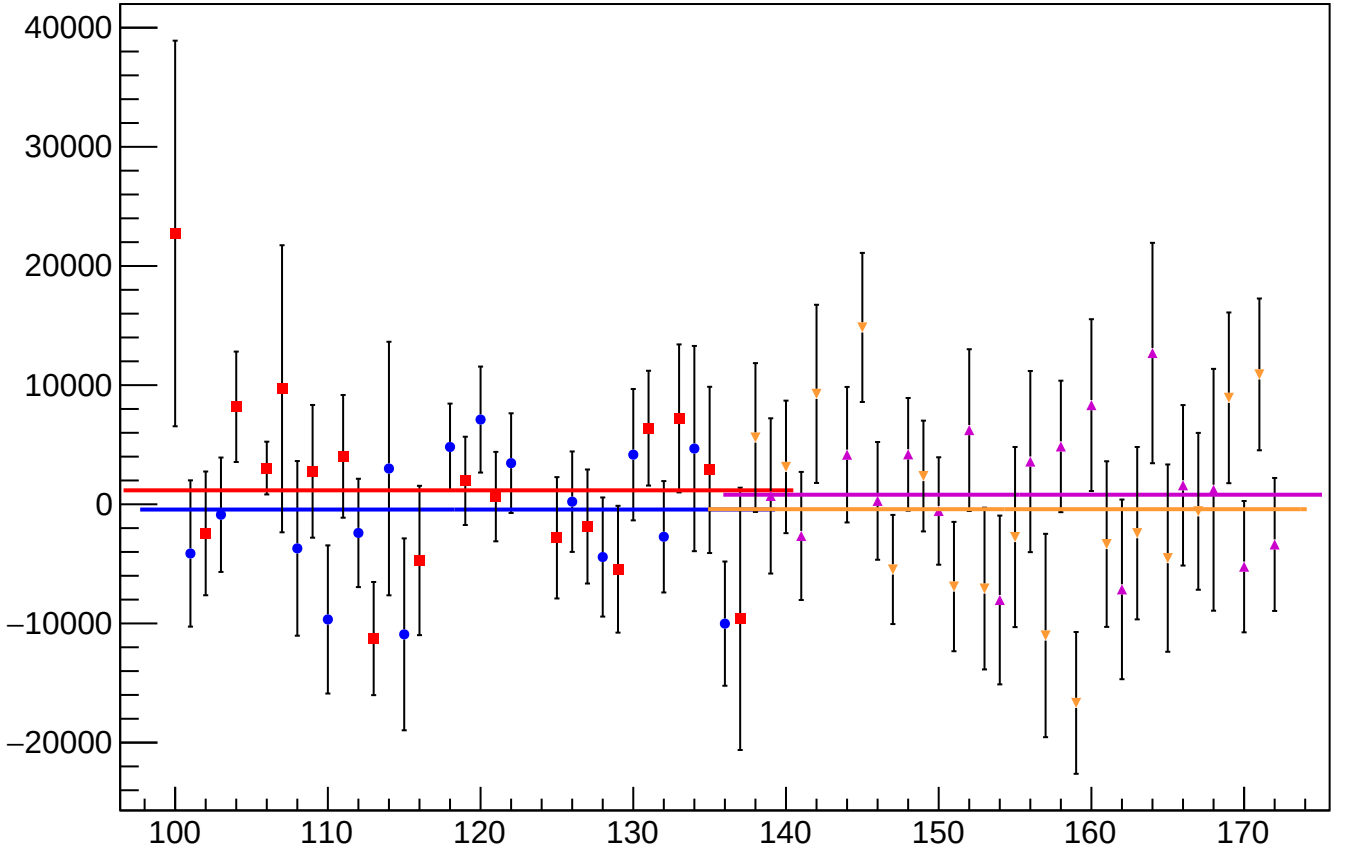
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1512.680+/-0.233 χ^2/NDF:319596.7/32

Out: 1482.698+/-0.233 χ^2/NDF:664123.5/34

All: 1497.663+/-0.165 χ^2/NDF: 992019.7/67

asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -441.138+/-1295.916 χ^2/NDF: 15.9/15

Left Out: -410.823+/-1518.514 χ^2/NDF:27.4/16

Right Out: 1171.548+/-1119.890 χ^2/NDF: 19.7/17

Left In: 804.083+/-1472.691 χ^2/NDF:9.9/16

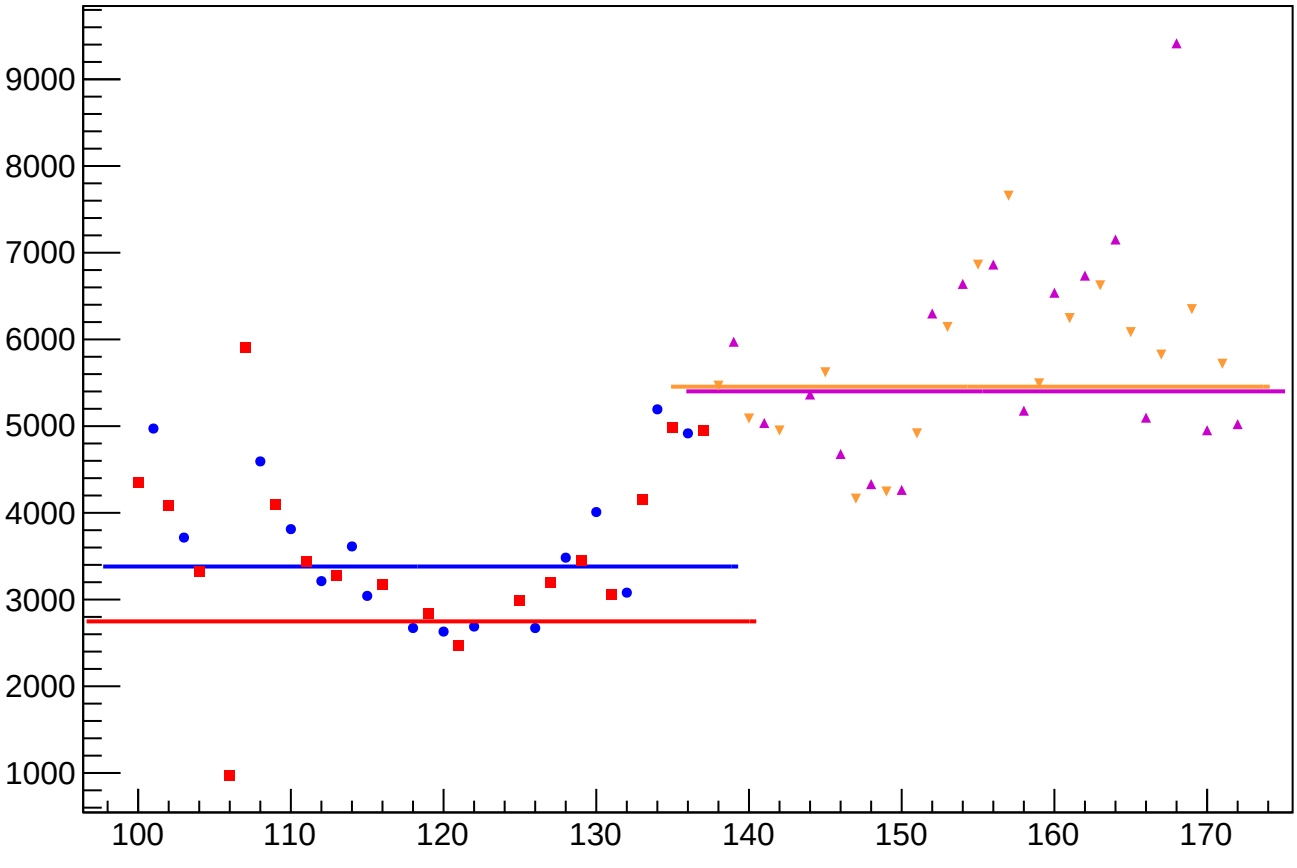
Left: 215.237+/-1057.178 χ^2/NDF: 37.6/33

Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: 102.289+/-972.879 χ^2/NDF:26.2/32

Out: 614.100+/-901.294 χ^2/NDF:47.8/34

All: 377.715+/-661.172 χ^2/NDF: 74.1/67



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5455.227+/-1.074 χ^2/NDF:688214.3/16

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5401.062+/-1.041 χ^2/NDF:993807.5/16

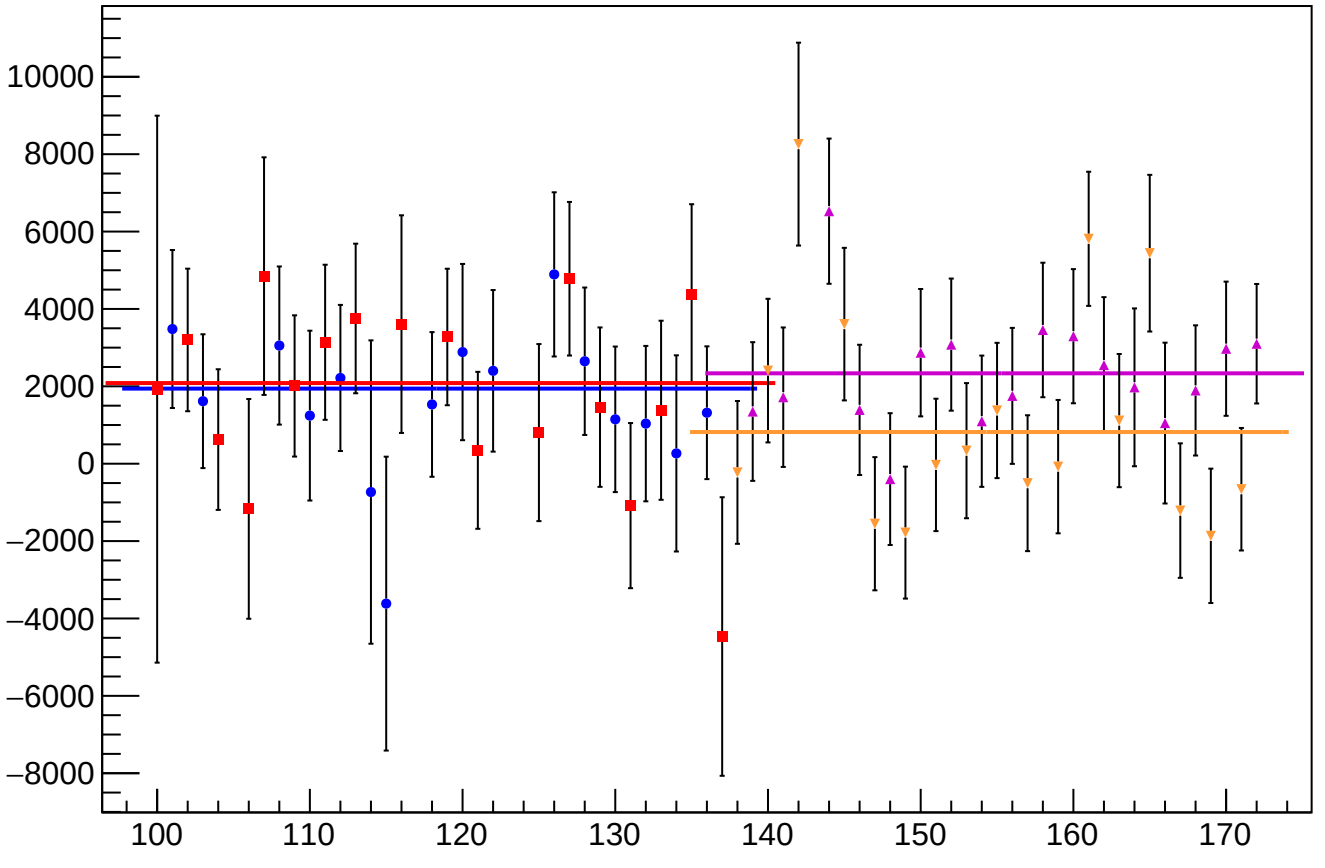
Left: 5427.315+/-0.748 χ^2/NDF: 1683333.0/33

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 4262.640+/-0.688 χ^2/NDF:3871509.0/32

Out: 3701.961+/-0.637 χ^2/NDF:7069064.8/34

All: 3960.916+/-0.468 χ^2/NDF: 11298041.9/6



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 819.053+/-434.322 χ^2/NDF:34.8/16

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: 1594.935+/-303.584 χ^2/NDF: 51.8/33

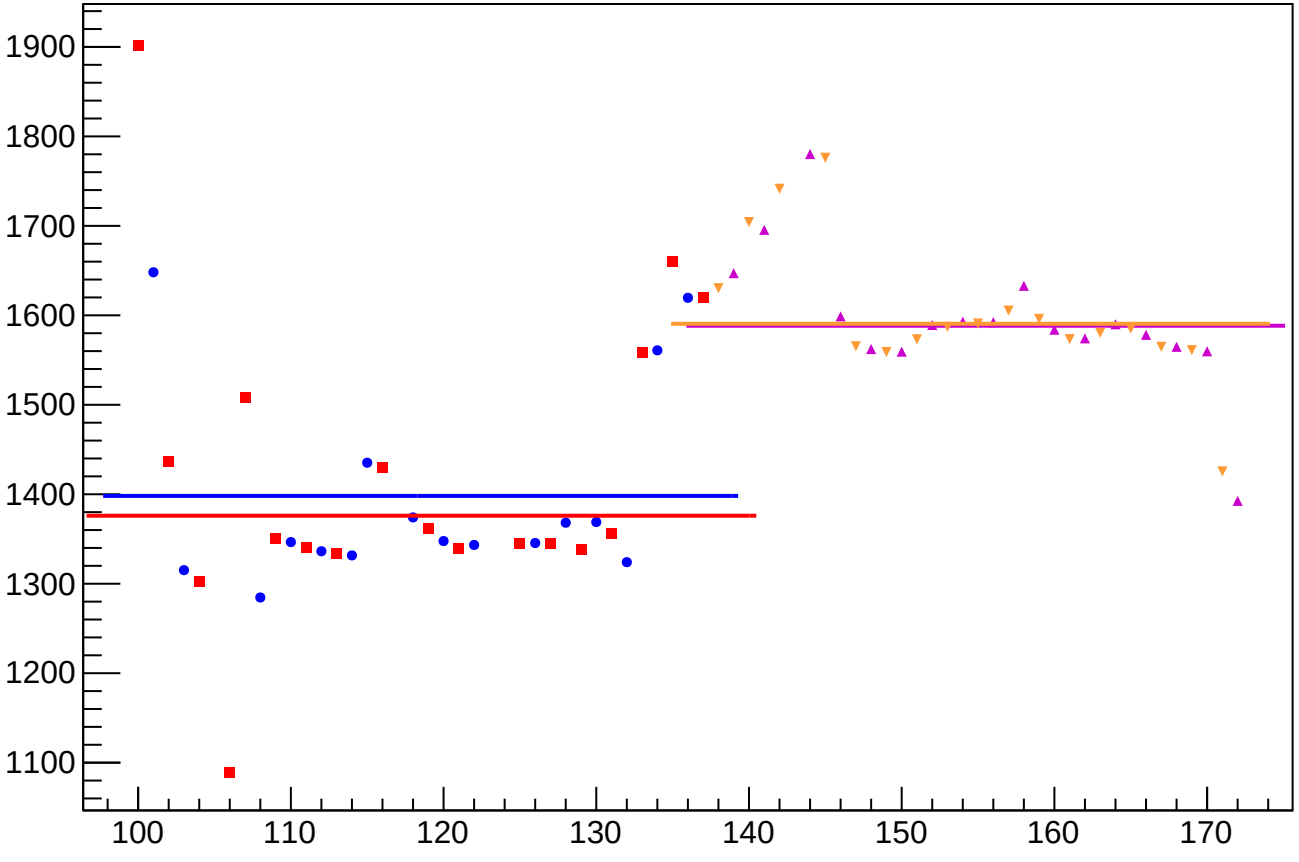
Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2178.927+/-329.393 χ^2/NDF:18.1/32

Out: 1339.425+/-333.235 χ^2/NDF:52.7/34

All: 1764.043+/-234.263 χ^2/NDF: 74.0/67

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1590.574+/-0.307 χ^2/NDF:57272.0/16

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1588.367+/-0.300 χ^2/NDF:65900.9/16

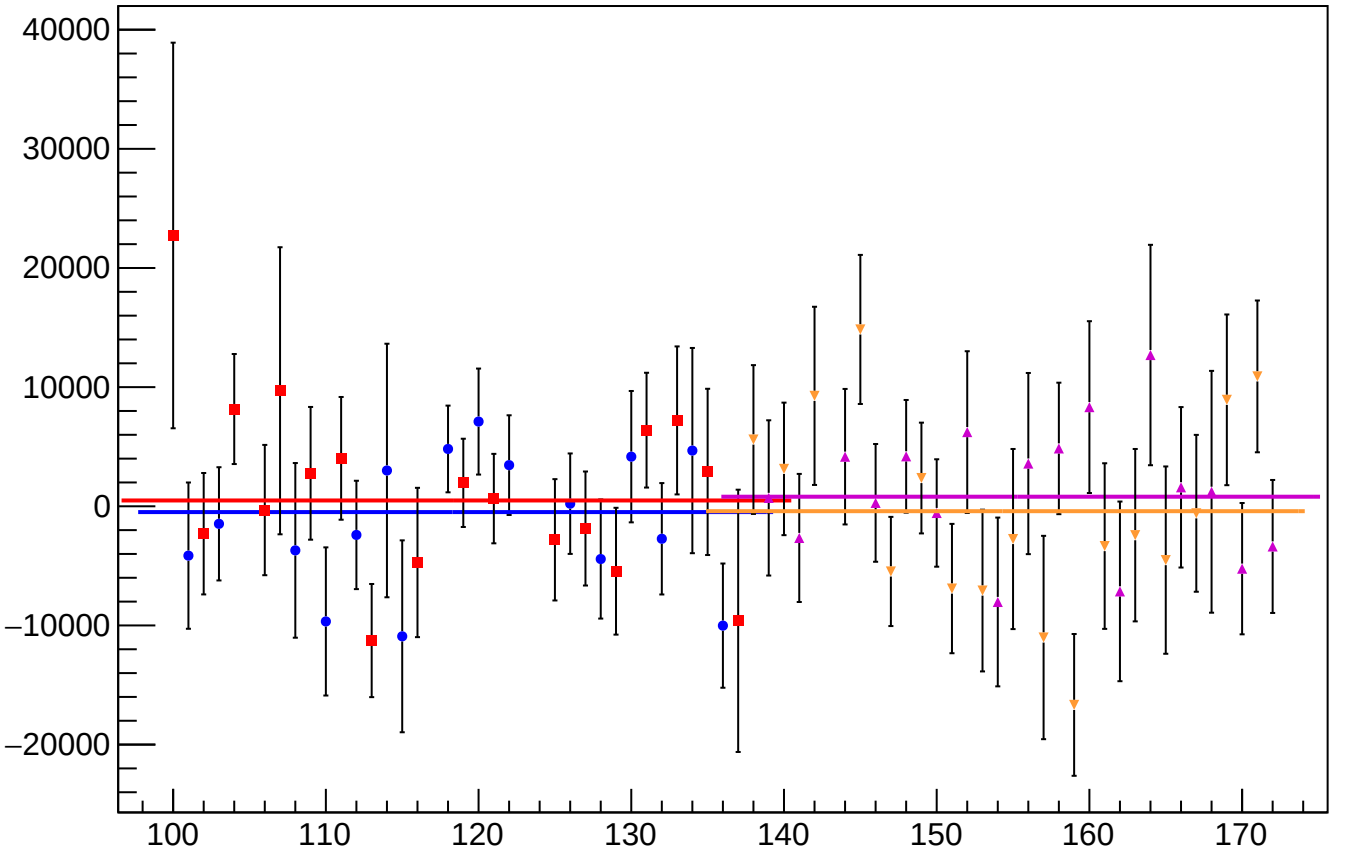
Left: 1589.445+/-0.215 χ^2/NDF: 123199.3/33

Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1512.680+/-0.233 χ^2/NDF:319596.9/32

Out: 1500.930+/-0.234 χ^2/NDF:375226.5/34

All: 1506.840+/-0.165 χ^2/NDF: 696088.2/67



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -410.855+/-1518.514 χ^2/NDF:27.4/16

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 804.145+/-1472.690 χ^2/NDF:9.9/16

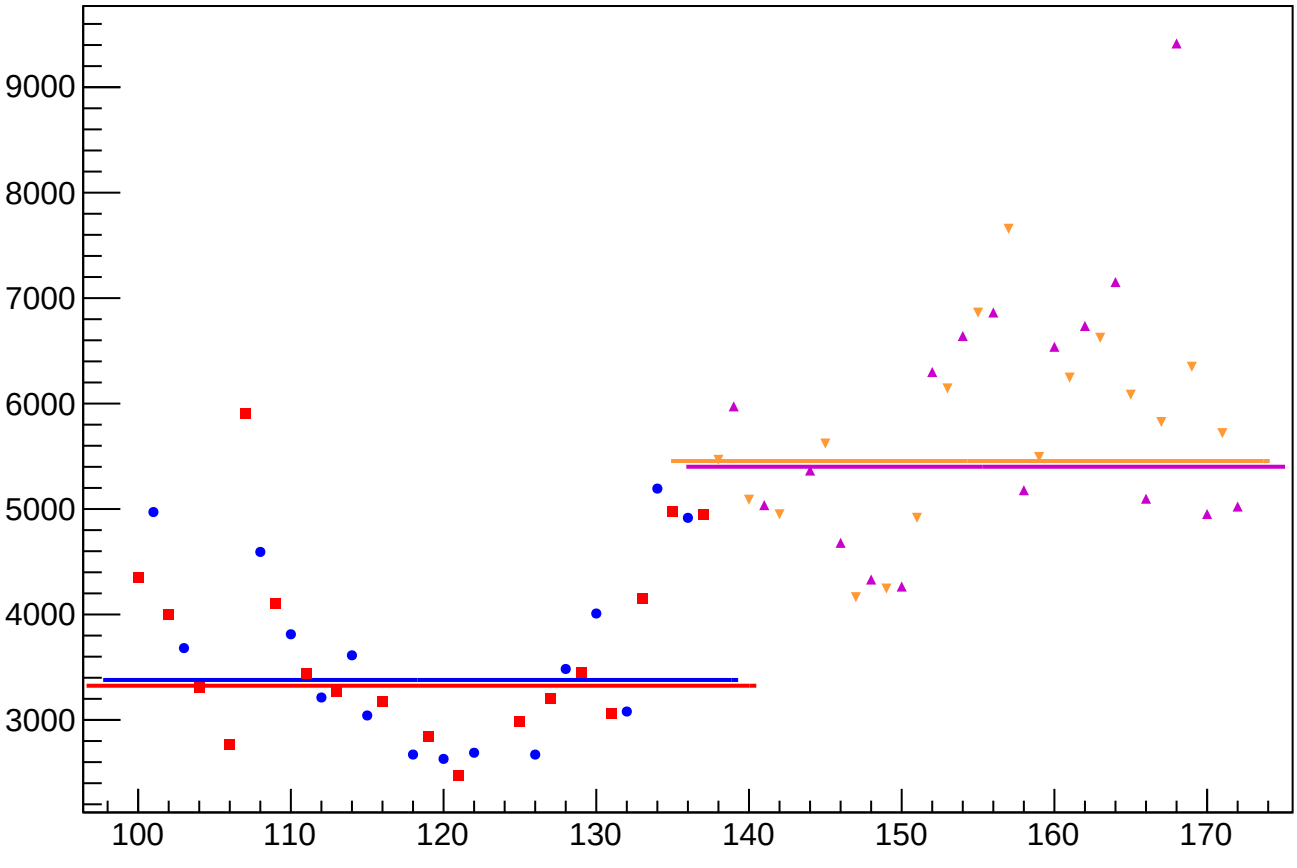
Left: 215.254+/-1057.178 χ^2/NDF: 37.6/33

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 76.232+/-972.461 χ^2/NDF:26.3/32

Out: 121.383+/-970.260 χ^2/NDF:46.3/34

All: 98.859+/-686.854 χ^2/NDF: 72.6/67



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5455.229+/-1.074 χ^2/NDF:688211.2/16

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5401.057+/-1.041 χ^2/NDF:993817.3/16

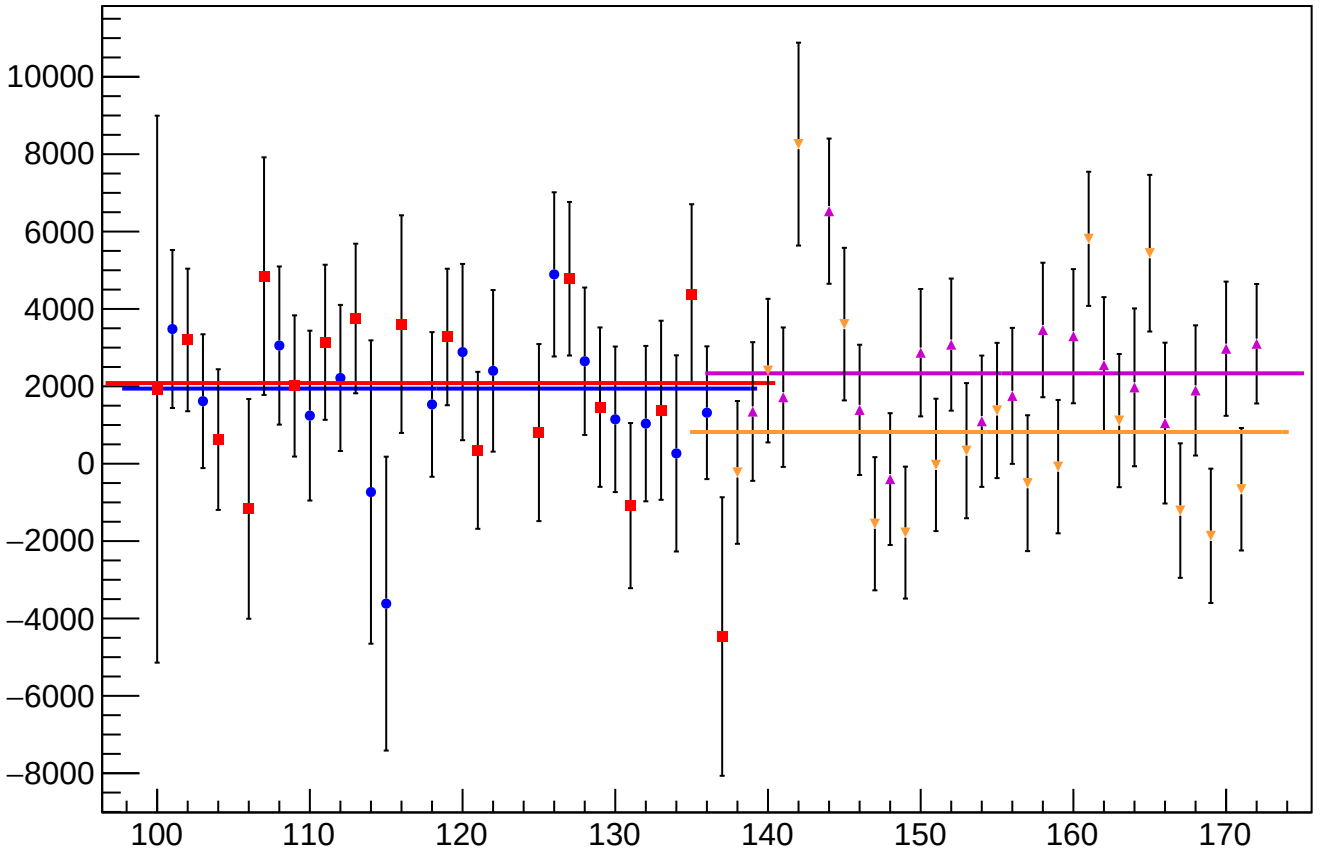
Left: 5427.314+/-0.748 χ^2/NDF: 1683340.1/33

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4260.751+/-0.688 χ^2/NDF:3875330.6/32

Out: 4194.366+/-0.686 χ^2/NDF:3562255.3/34

All: 4227.483+/-0.486 χ^2/NDF: 7442256.6/67



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 819.053+/-434.322 χ^2/NDF:34.8/16

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: 1594.935+/-303.584 χ^2/NDF: 51.8/33

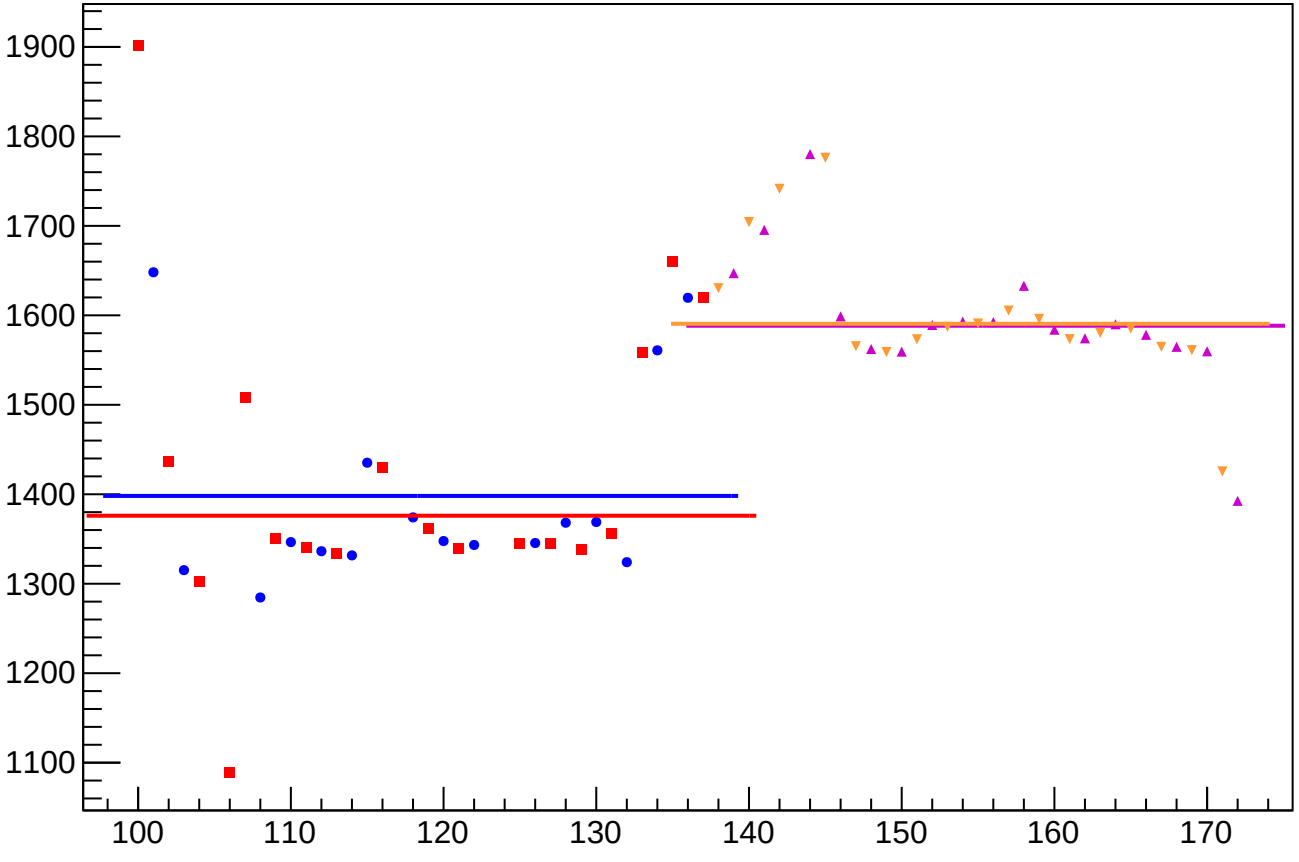
Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2178.927+/-329.393 χ^2/NDF:18.1/32

Out: 1339.425+/-333.235 χ^2/NDF:52.7/34

All: 1764.043+/-234.263 χ^2/NDF: 74.0/67

eigen_cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1590.574+/-0.307 χ^2/NDF:57272.0/16

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: 1589.445+/-0.215 χ^2/NDF: 123199.3/33

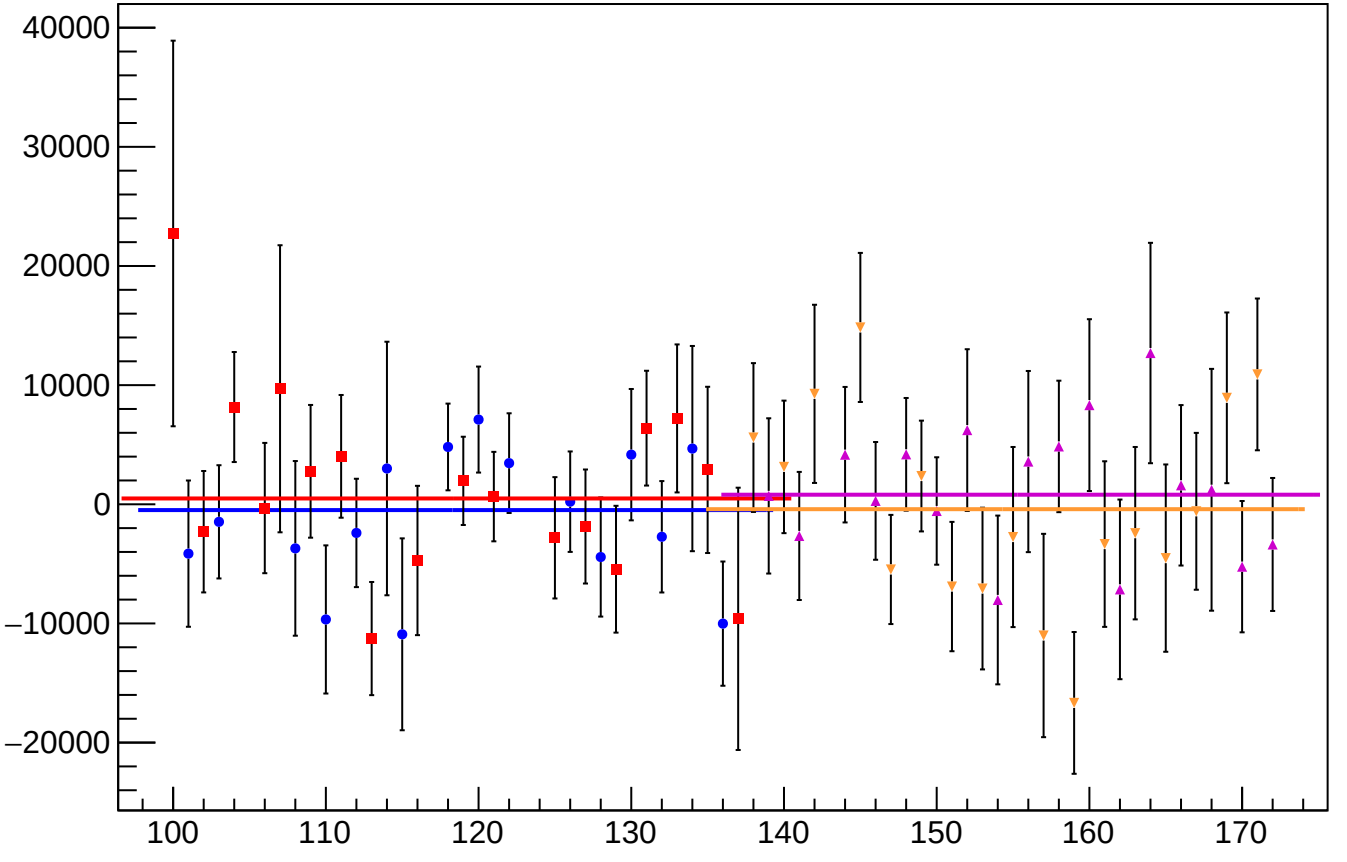
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1512.680+/-0.233 χ^2/NDF:319596.9/32

Out: 1500.930+/-0.234 χ^2/NDF:375226.5/34

All: 1506.840+/-0.165 χ^2/NDF: 696088.2/67

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: -410.855+/-1518.514 χ^2/NDF:27.4/16

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: 215.254+/-1057.178 χ^2/NDF: 37.6/33

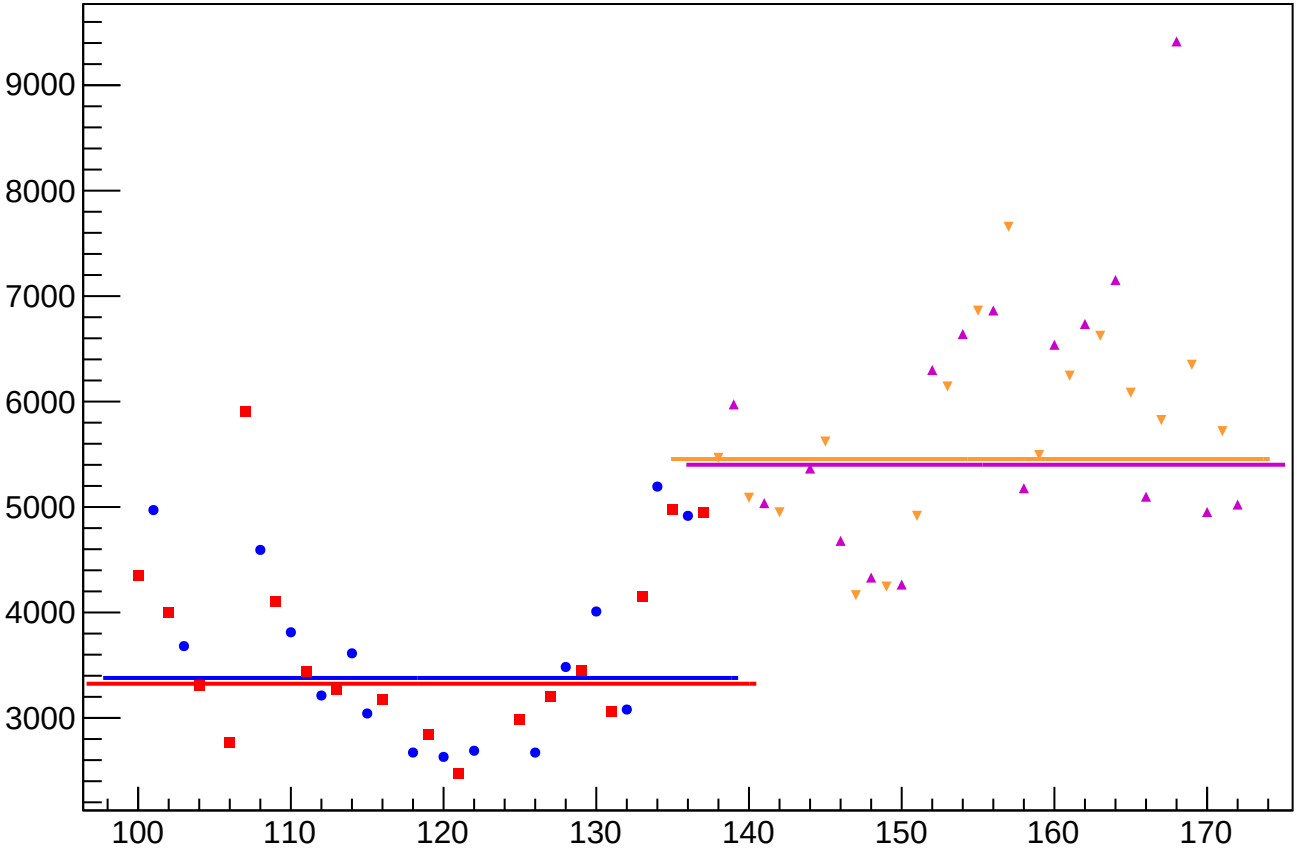
Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 76.232+/-972.461 χ^2/NDF:26.3/32

Out: 121.383+/-970.260 χ^2/NDF:46.3/34

All: 98.859+/-686.854 χ^2/NDF: 72.6/67

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5455.229+/-1.074 χ^2/NDF:688211.2/16

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5401.057+/-1.041 χ^2/NDF:993817.3/16

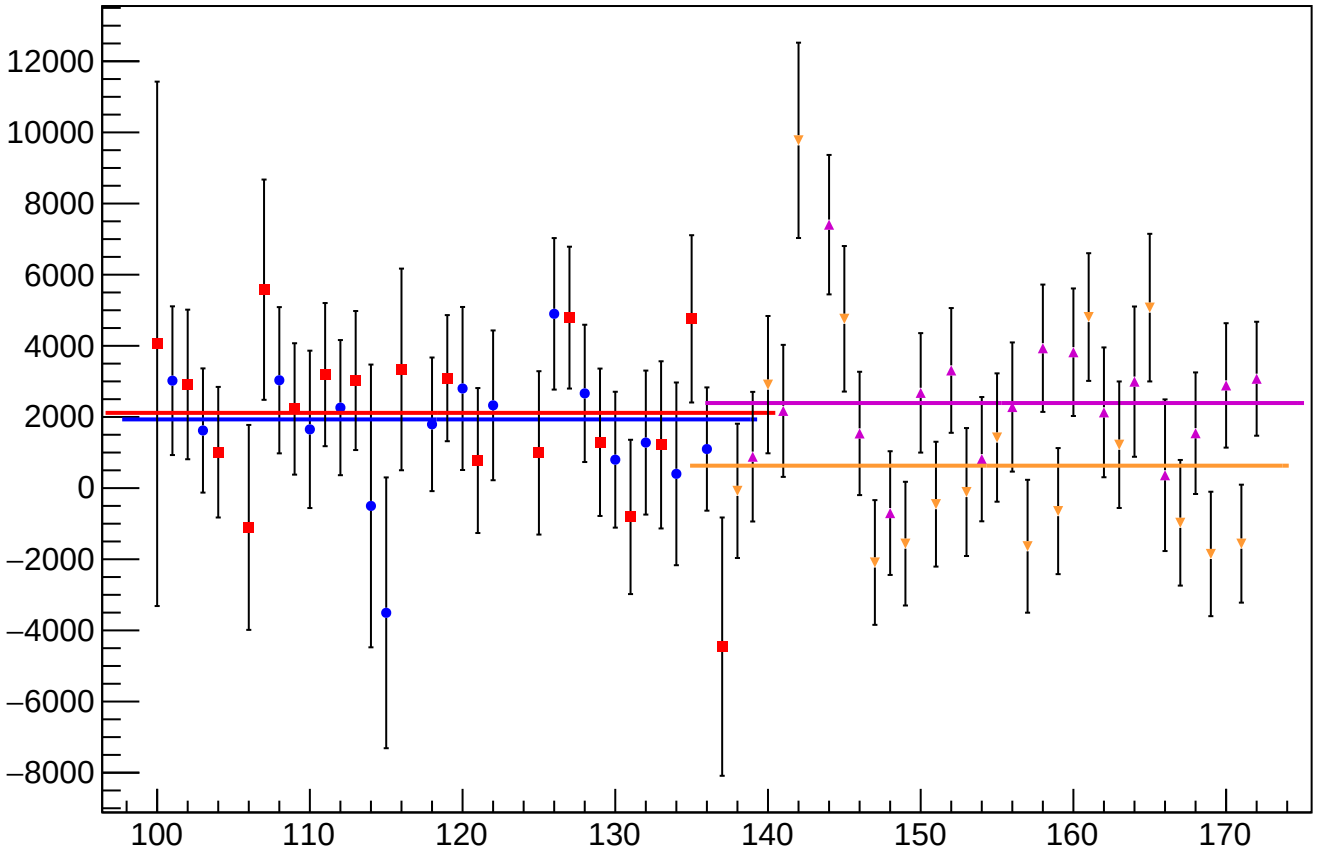
Left: 5427.314+/-0.748 χ^2/NDF: 1683340.1/33

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4260.751+/-0.688 χ^2/NDF:3875330.6/32

Out: 4194.366+/-0.686 χ^2/NDF:3562255.3/34

All: 4227.483+/-0.486 χ^2/NDF: 7442256.6/67



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 630.858+/-447.530 χ^2/NDF:38.1/16

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2391.873+/-436.317 χ^2/NDF:14.7/16

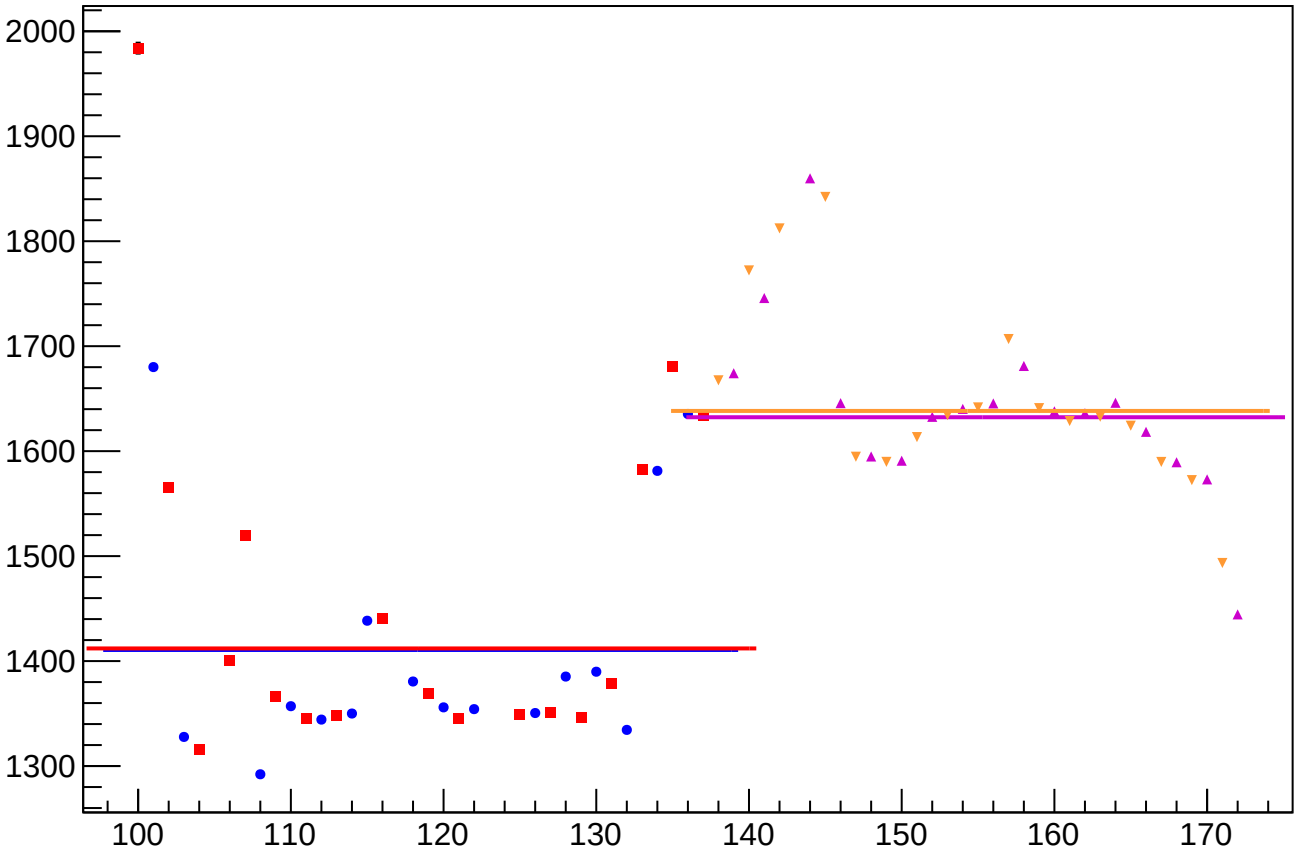
Left: 1533.703+/-312.411 χ^2/NDF: 60.7/33

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2204.715+/-336.115 χ^2/NDF:21.5/32

Out: 1250.316+/-341.612 χ^2/NDF:55.9/34

All: 1735.256+/-239.589 χ^2/NDF: 81.4/67



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1638.312+/-0.316 χ^2/NDF:63680.0/16

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1632.304+/-0.309 χ^2/NDF:70657.3/16

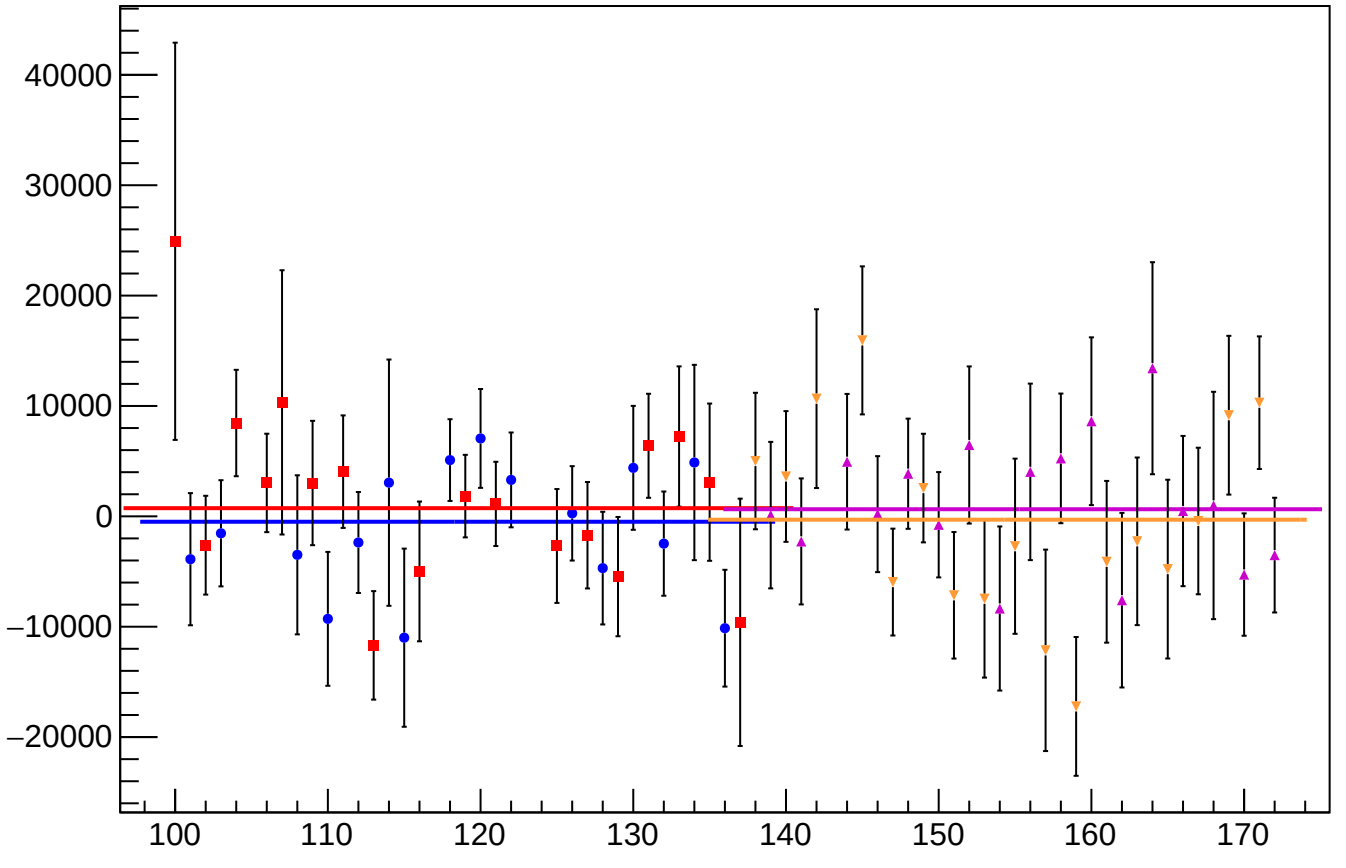
Left: 1635.232+/-0.221 χ^2/NDF: 134522.1/33

Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1542.165+/-0.238 χ^2/NDF:379760.3/32

Out: 1543.591+/-0.241 χ^2/NDF:367401.2/34

All: 1542.867+/-0.169 χ^2/NDF: 747179.2/67



Right In: -489.402+/-1308.692 χ^2/NDF: 15.8/15

Left Out: -304.125+/-1580.556 χ^2/NDF:27.5/16

Right Out: 740.592+/-1247.947 χ^2/NDF: 19.2/17

Left In: 643.755+/-1529.747 χ^2/NDF:9.9/16

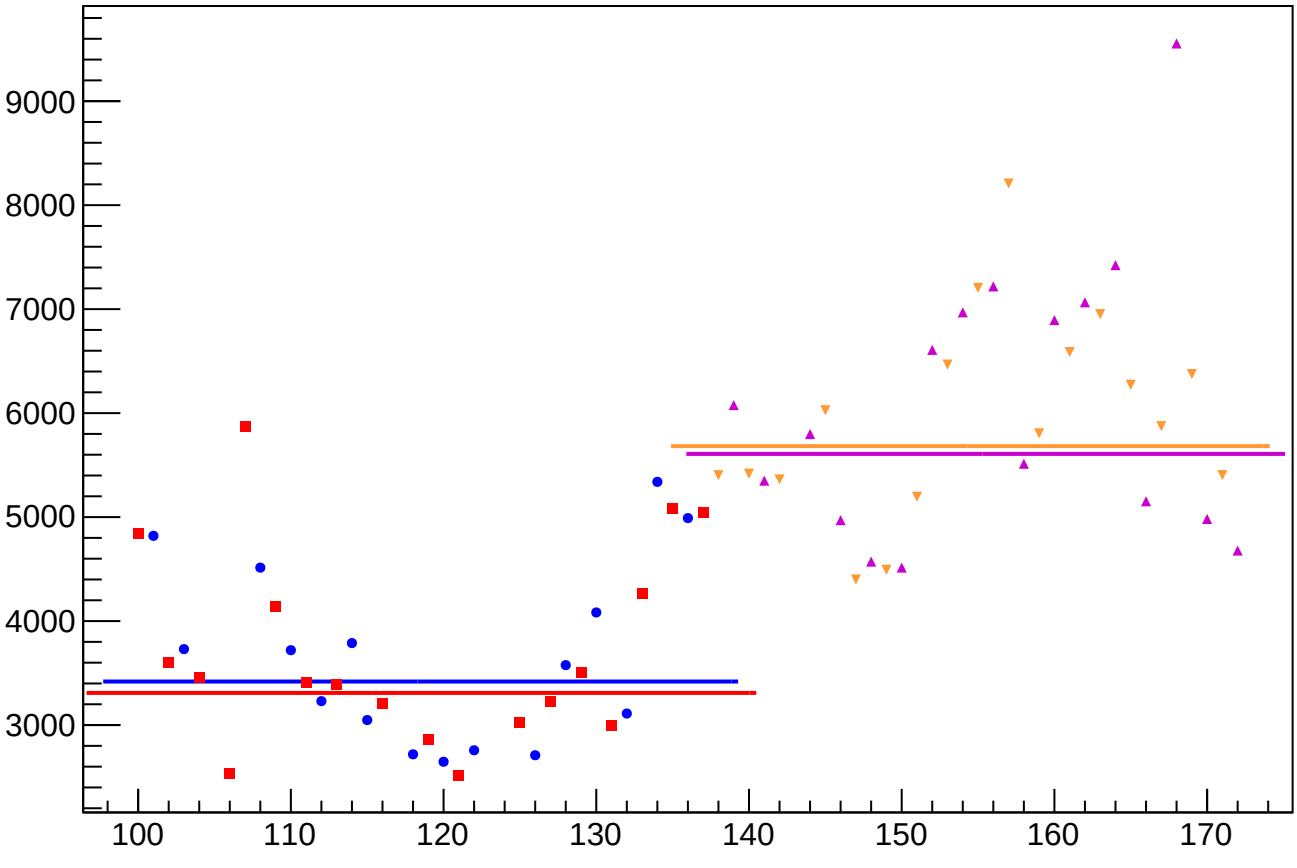
Left: 185.295+/-1099.218 χ^2/NDF: 37.6/33

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: -10.541+/-994.442 χ^2/NDF:26.1/32

Out: 339.408+/-979.450 χ^2/NDF:47.0/34

All: 167.091+/-697.816 χ^2/NDF: 73.1/67



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5682.738+/-1.118 χ^2/NDF:661435.8/16

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5607.735+/-1.082 χ^2/NDF:1013688.7/16

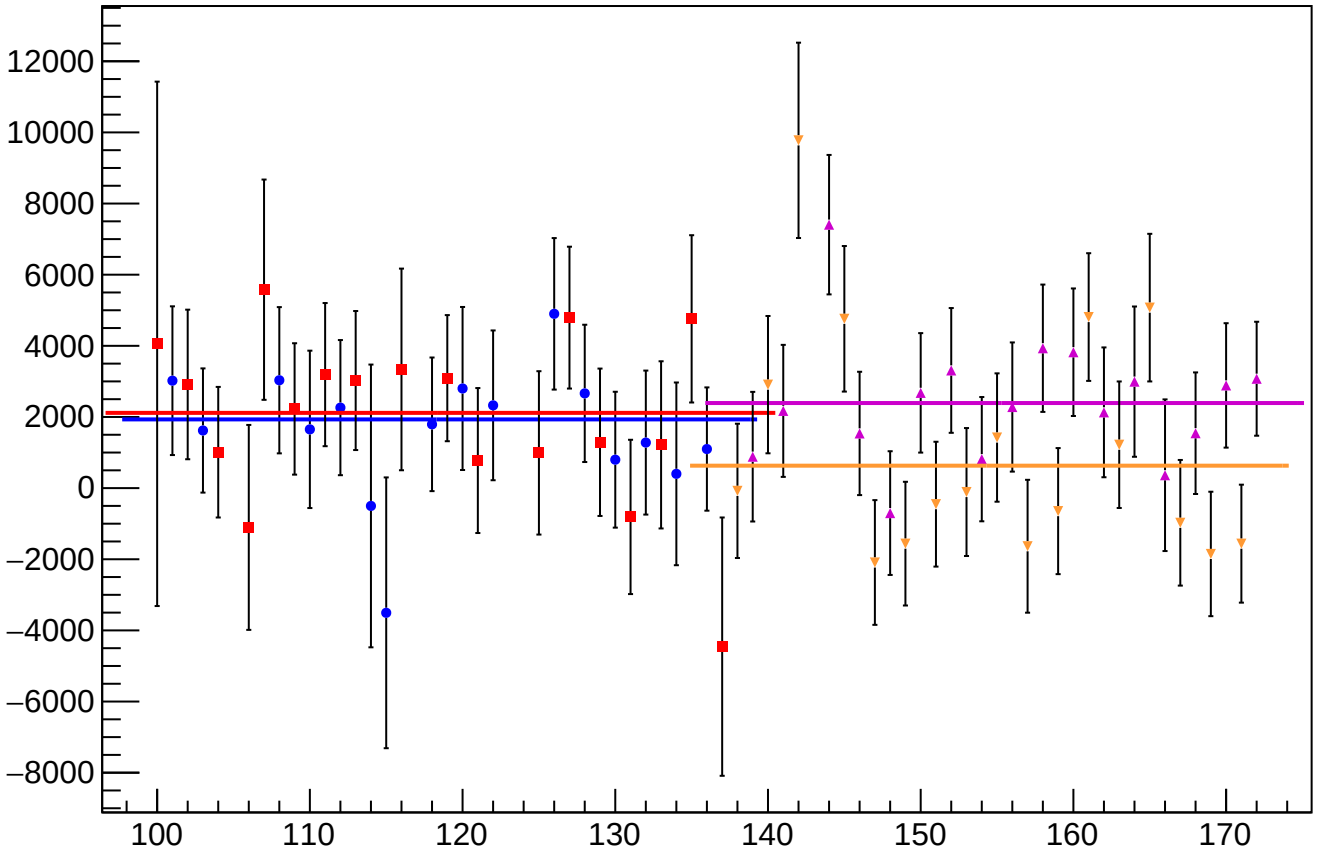
Left: 5644.012+/-0.777 χ^2/NDF: 1677449.9/33

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 4343.766+/-0.703 χ^2/NDF:4099626.5/32

Out: 4220.613+/-0.693 χ^2/NDF:4011853.1/34

All: 4281.254+/-0.493 χ^2/NDF: 8127049.1/67



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 630.852+/-447.530 χ^2/NDF:38.1/16

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2391.874+/-436.317 χ^2/NDF:14.7/16

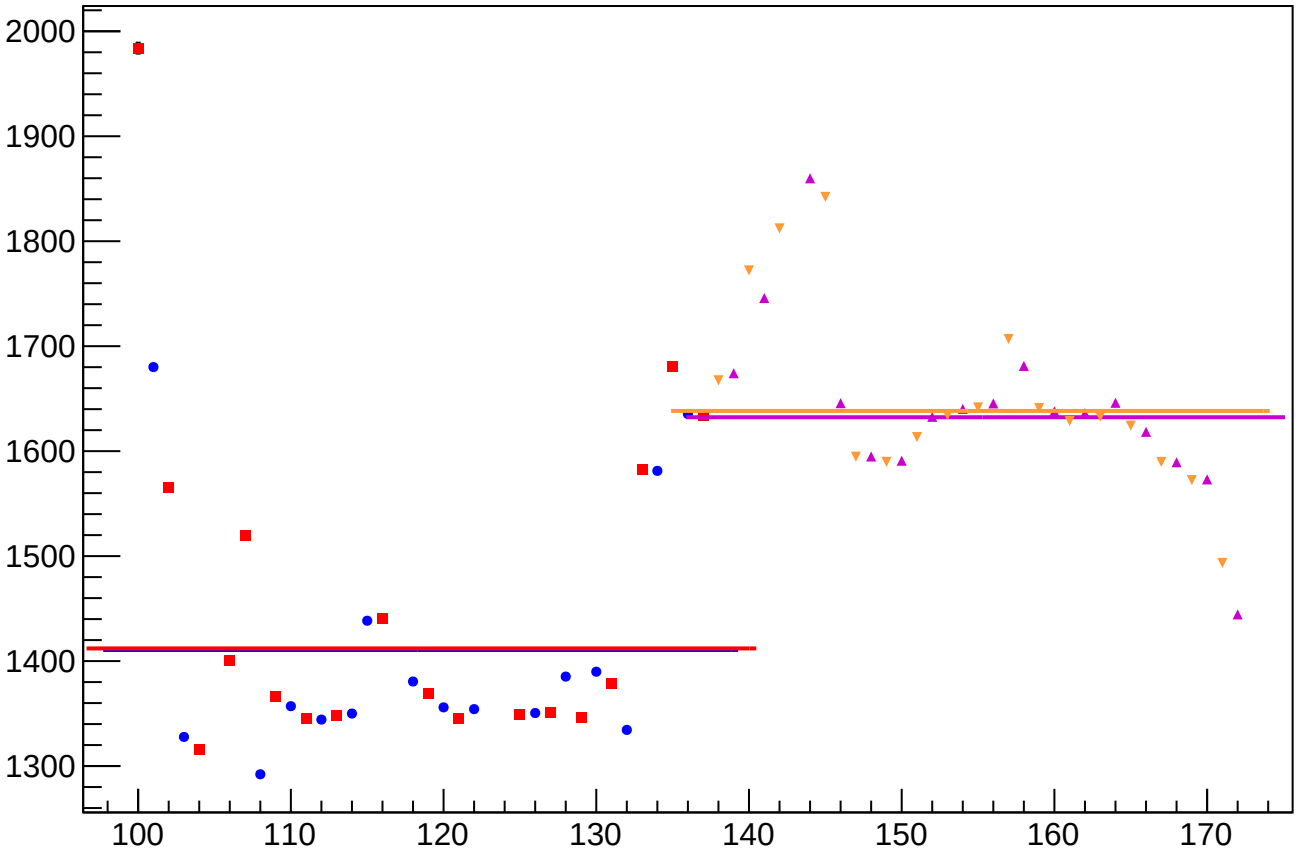
Left: 1533.701+/-312.412 χ^2/NDF: 60.7/33

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2204.717+/-336.115 χ^2/NDF:21.5/32

Out: 1250.313+/-341.612 χ^2/NDF:55.9/34

All: 1735.256+/-239.589 χ^2/NDF: 81.4/67



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1638.313+/-0.316 χ^2/NDF:63682.5/16

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1632.305+/-0.309 χ^2/NDF:70659.6/16

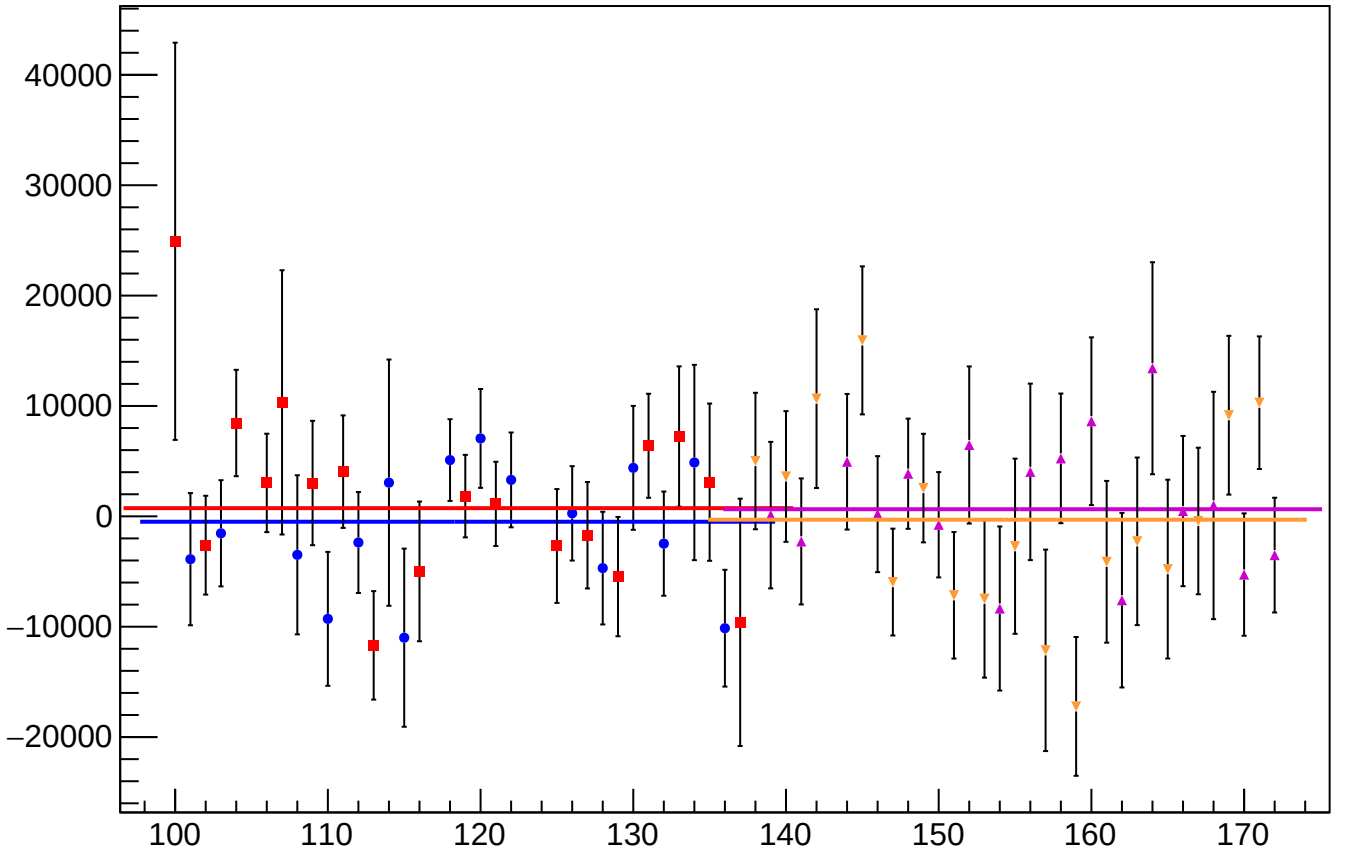
Left: 1635.232+/-0.221 χ^2/NDF: 134526.9/33

Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1542.165+/-0.238 χ^2/NDF:379763.8/32

Out: 1543.591+/-0.241 χ^2/NDF:367405.3/34

All: 1542.867+/-0.169 χ^2/NDF: 747186.8/67



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -304.133+/-1580.559 χ^2/NDF:27.5/16

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 643.755+/-1529.749 χ^2/NDF:9.9/16

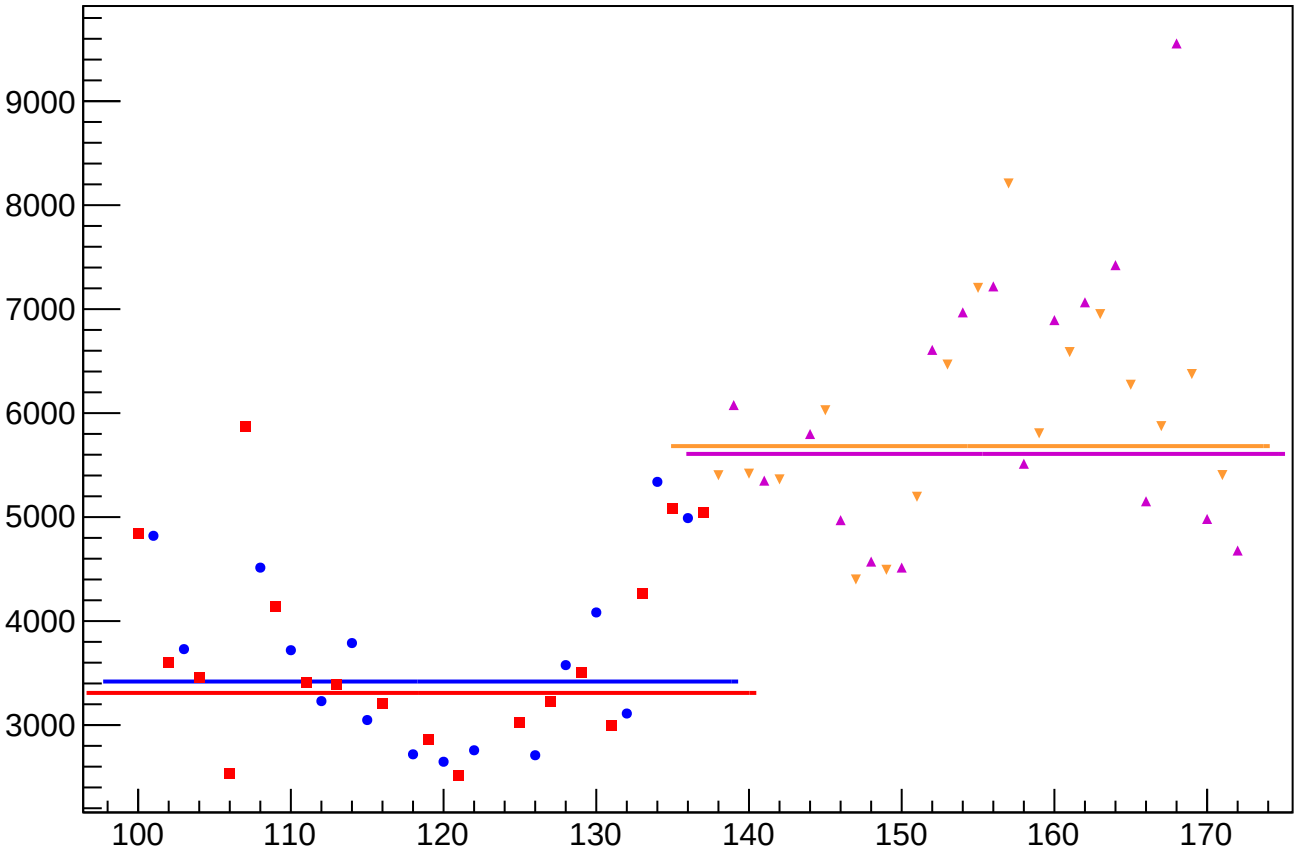
Left: 185.292+/-1099.220 χ^2/NDF: 37.6/33

Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: -10.539+/-994.441 χ^2/NDF:26.1/32

Out: 339.409+/-979.449 χ^2/NDF:47.0/34

All: 167.093+/-697.815 χ^2/NDF: 73.1/67



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5682.746+/-1.118 χ^2/NDF:661438.0/16

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5607.743+/-1.082 χ^2/NDF:1013690.0/16

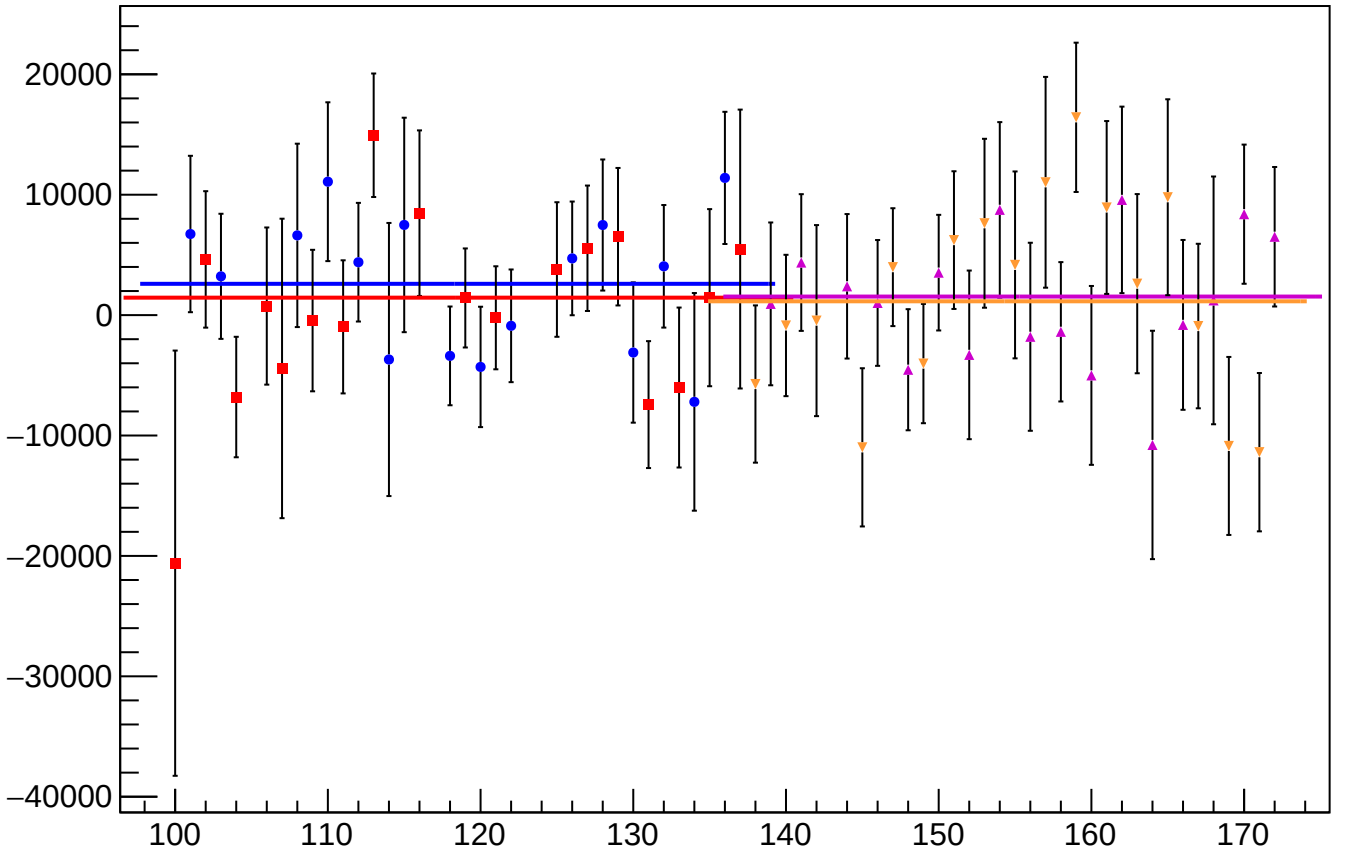
Left: 5644.019+/-0.777 χ^2/NDF: 1677453.4/33

Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 4343.758+/-0.703 χ^2/NDF:4099679.3/32

Out: 4220.605+/-0.693 χ^2/NDF:4011902.3/34

All: 4281.246+/-0.493 χ^2/NDF: 8127151.2/67



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 1147.385+/-1589.127 χ^2/NDF:24.0/16

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: 1350.164+/-1106.423 χ^2/NDF: 33.6/33

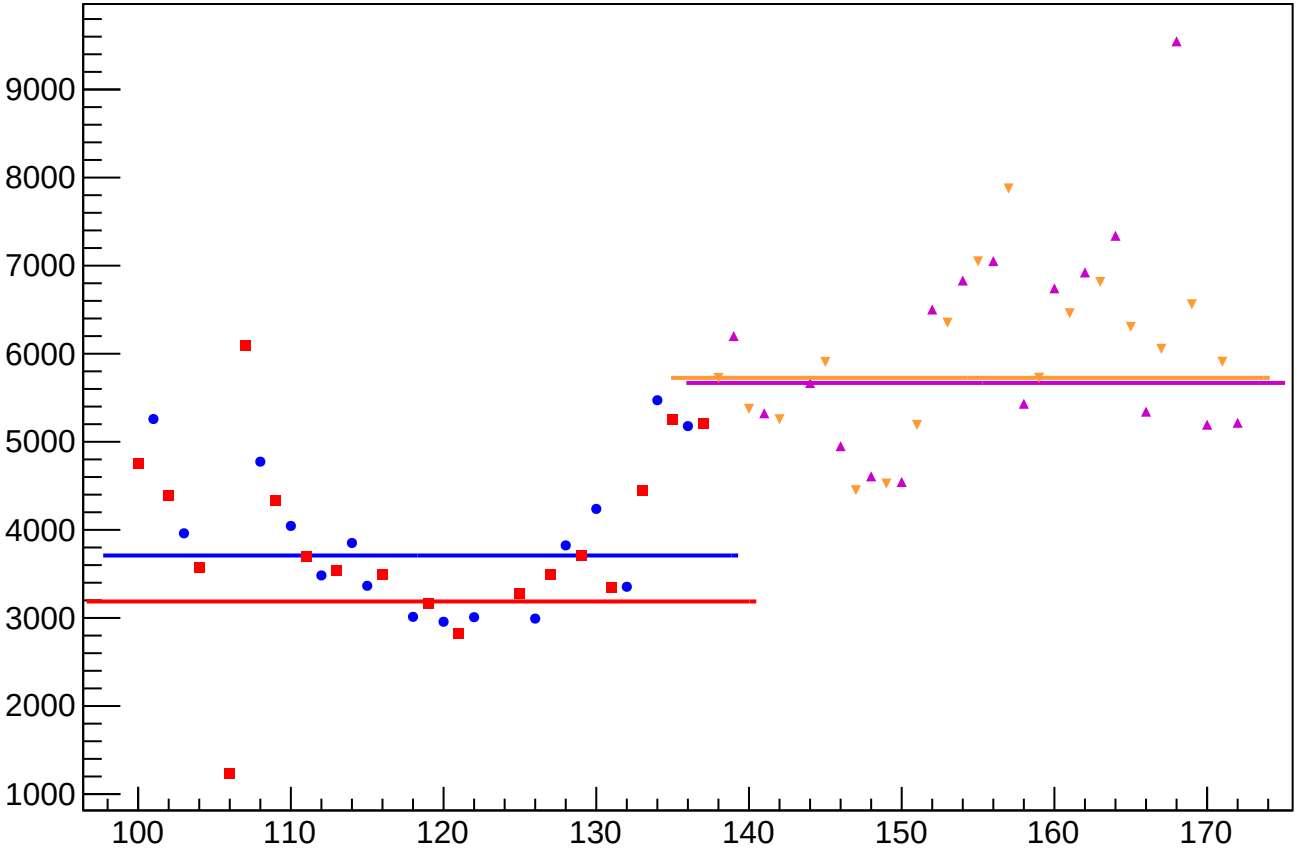
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2115.651+/-1042.182 χ^2/NDF:23.3/32

Out: 1319.837+/-1043.167 χ^2/NDF:43.0/34

All: 1718.120+/-737.282 χ^2/NDF: 66.6/67

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5725.761+/-1.124 χ^2/NDF:586731.7/16

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: 5696.150+/-0.782 χ^2/NDF: 1460167.2/33

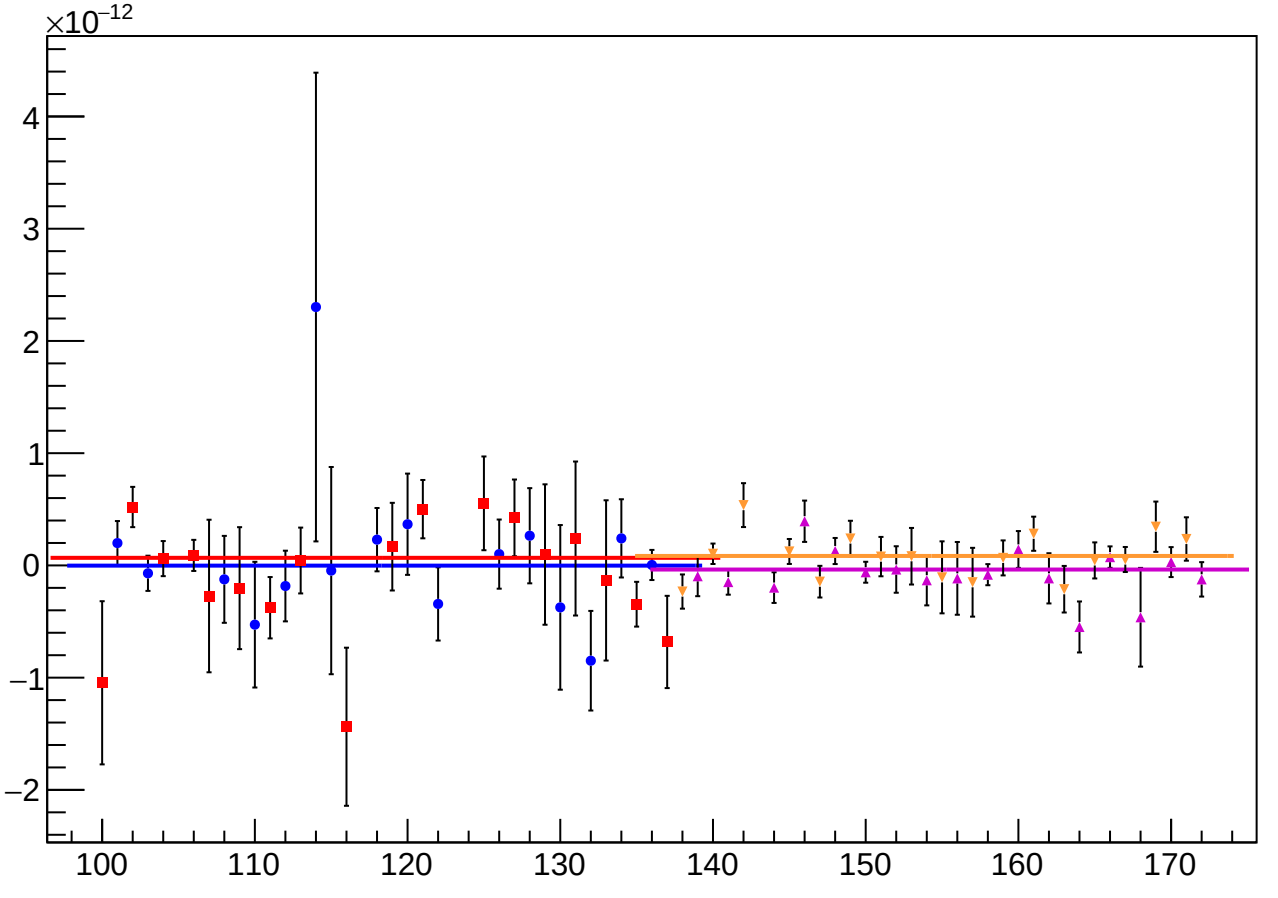
Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4604.766+/-0.737 χ^2/NDF:3236651.2/32

Out: 4173.306+/-0.700 χ^2/NDF:5318745.2/34

All: 4378.060+/-0.508 χ^2/NDF: 8735510.5/67

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.3/16

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: -0.000+/-0.000 χ^2/NDF:19.7/16

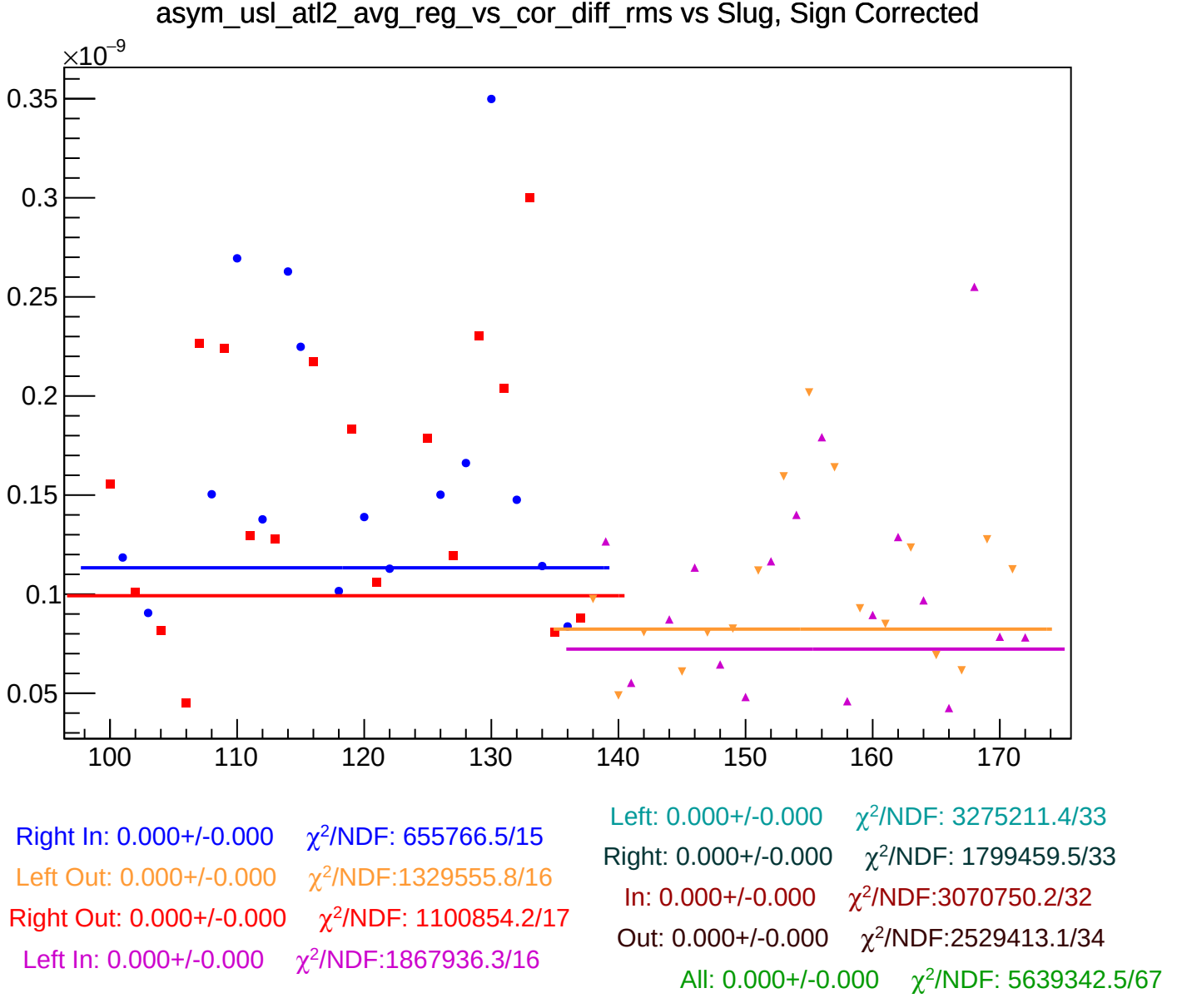
Left: 0.000+/-0.000 χ^2/NDF: 45.6/33

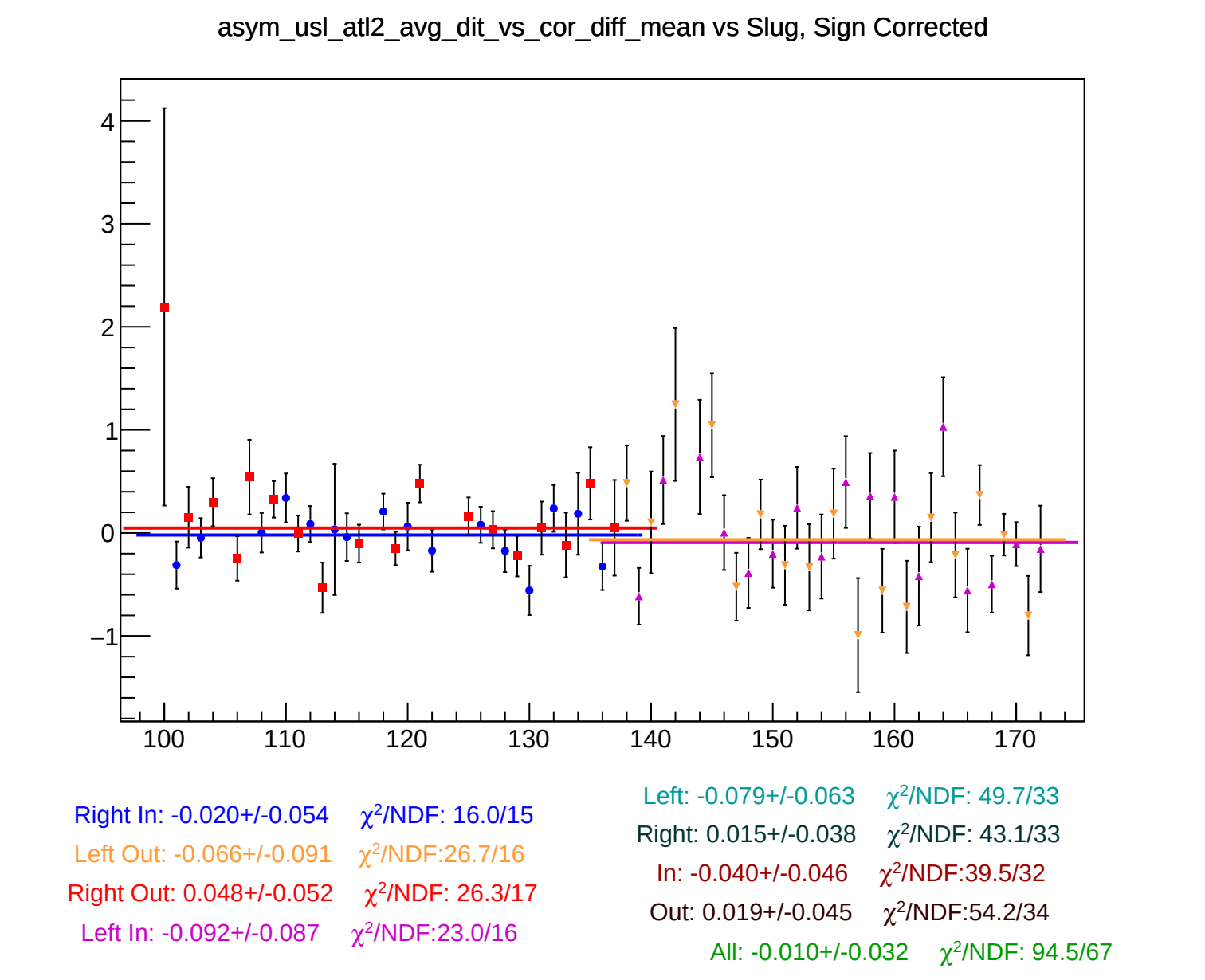
Right: 0.000+/-0.000 χ^2/NDF: 41.1/33

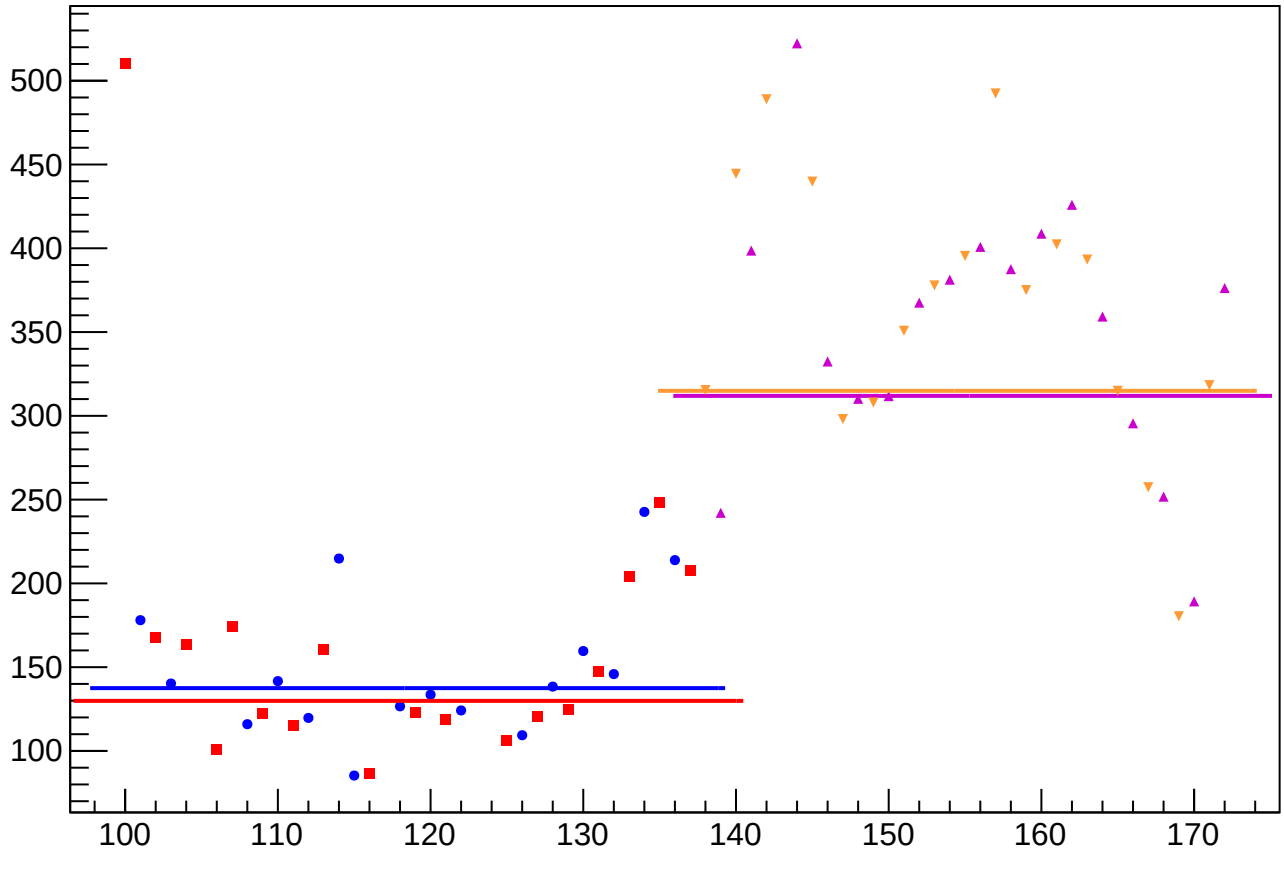
In: -0.000+/-0.000 χ^2/NDF:31.0/32

Out: 0.000+/-0.000 χ^2/NDF:49.8/34

All: 0.000+/-0.000 χ^2/NDF: 86.8/67


asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 655766.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1329555.8/16
Right Out: 0.000+/-0.000 χ²/NDF: 1100854.2/17
Left In: 0.000+/-0.000 χ²/NDF:1867936.3/16
Left: 0.000+/-0.000 χ²/NDF: 3275211.4/33
Right: 0.000+/-0.000 χ²/NDF: 1799459.5/33
In: 0.000+/-0.000 χ²/NDF:3070750.2/32
Out: 0.000+/-0.000 χ²/NDF:2529413.1/34
All: 0.000+/-0.000 χ²/NDF: 5639342.5/67


asym_usl_atl2_avg_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: -0.066+/-0.091 χ²/NDF:26.7/16
Right Out: 0.048+/-0.052 χ²/NDF: 26.3/17
Left In: -0.092+/-0.087 χ²/NDF:23.0/16
Left: -0.079+/-0.063 χ²/NDF: 49.7/33
Right: 0.015+/-0.038 χ²/NDF: 43.1/33
In: -0.040+/-0.046 χ²/NDF:39.5/32
Out: 0.019+/-0.045 χ²/NDF:54.2/34
All: -0.010+/-0.032 χ²/NDF: 94.5/67



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 314.940+/-0.064 χ^2/NDF:1862263.3/16

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: 313.369+/-0.044 χ^2/NDF: 3645386.7/33

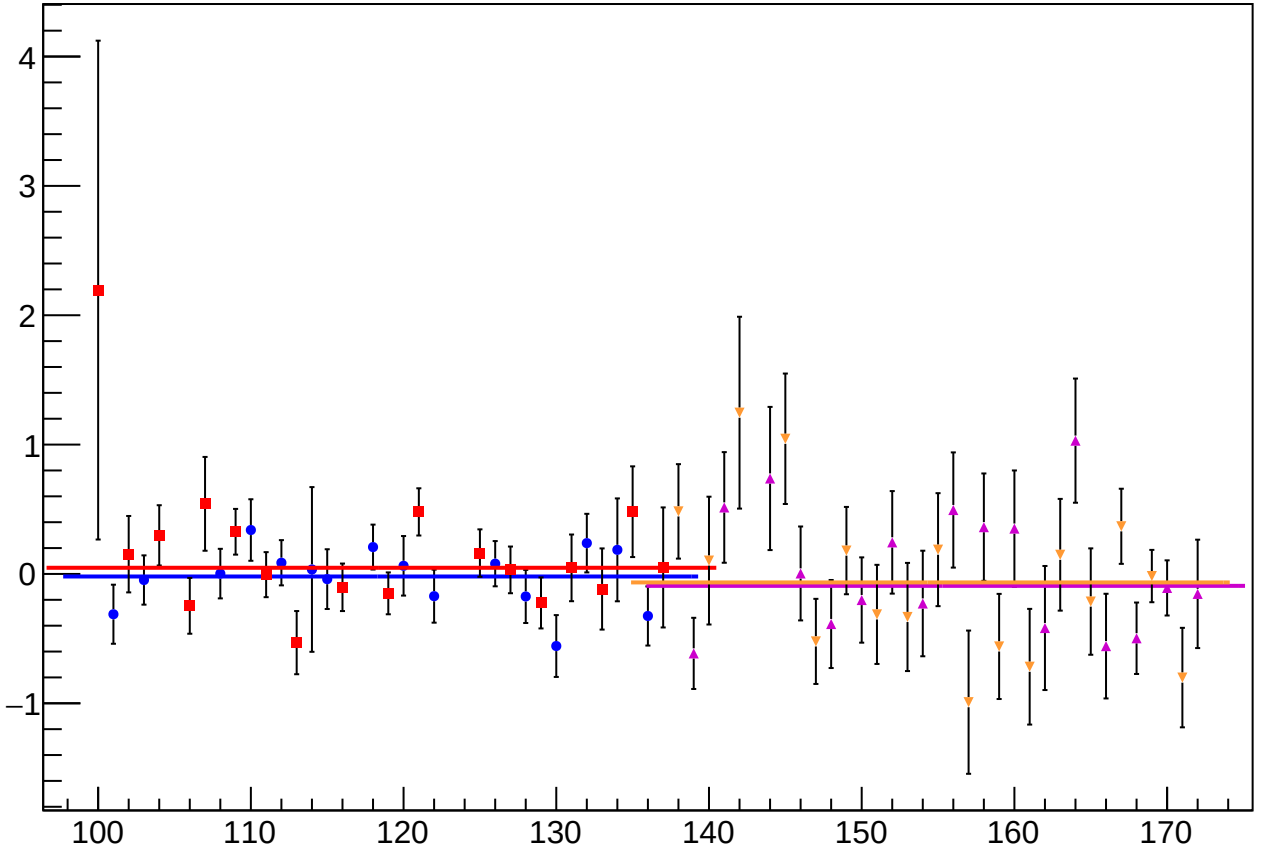
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 186.004+/-0.033 χ^2/NDF:8234227.1/32

Out: 176.388+/-0.032 χ^2/NDF:8941591.2/34

All: 181.129+/-0.023 χ^2/NDF: 17220018.8/67

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: -0.066+/-0.091 χ^2/NDF:26.7/16

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.092+/-0.087 χ^2/NDF:23.0/16

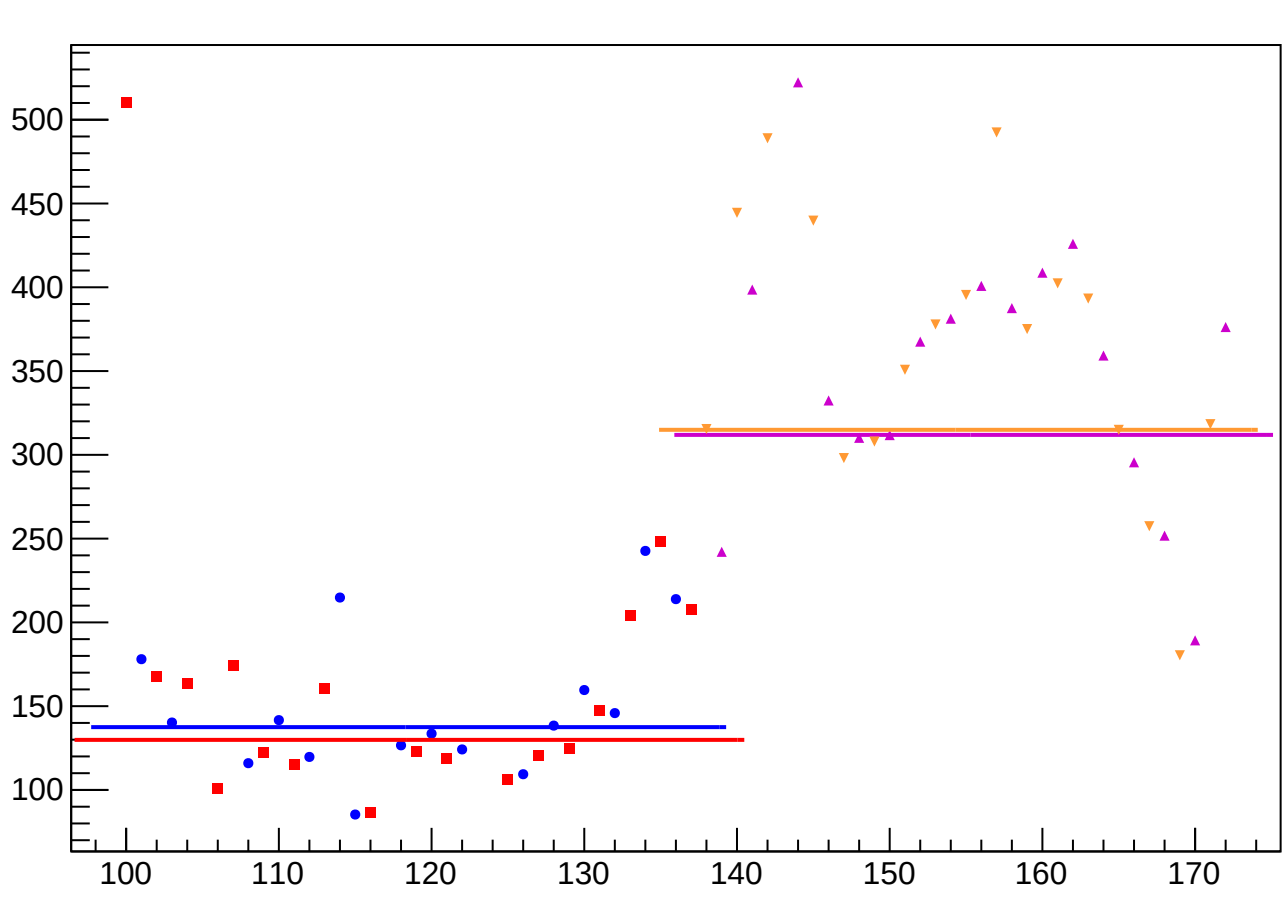
Left: -0.079+/-0.063 χ^2/NDF: 49.7/33

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.040+/-0.046 χ^2/NDF:39.5/32

Out: 0.019+/-0.045 χ^2/NDF:54.2/34

All: -0.010+/-0.032 χ^2/NDF: 94.5/67



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 314.940+/-0.064 χ^2/NDF:1862263.3/16

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 311.910+/-0.062 χ^2/NDF:1781963.6/16

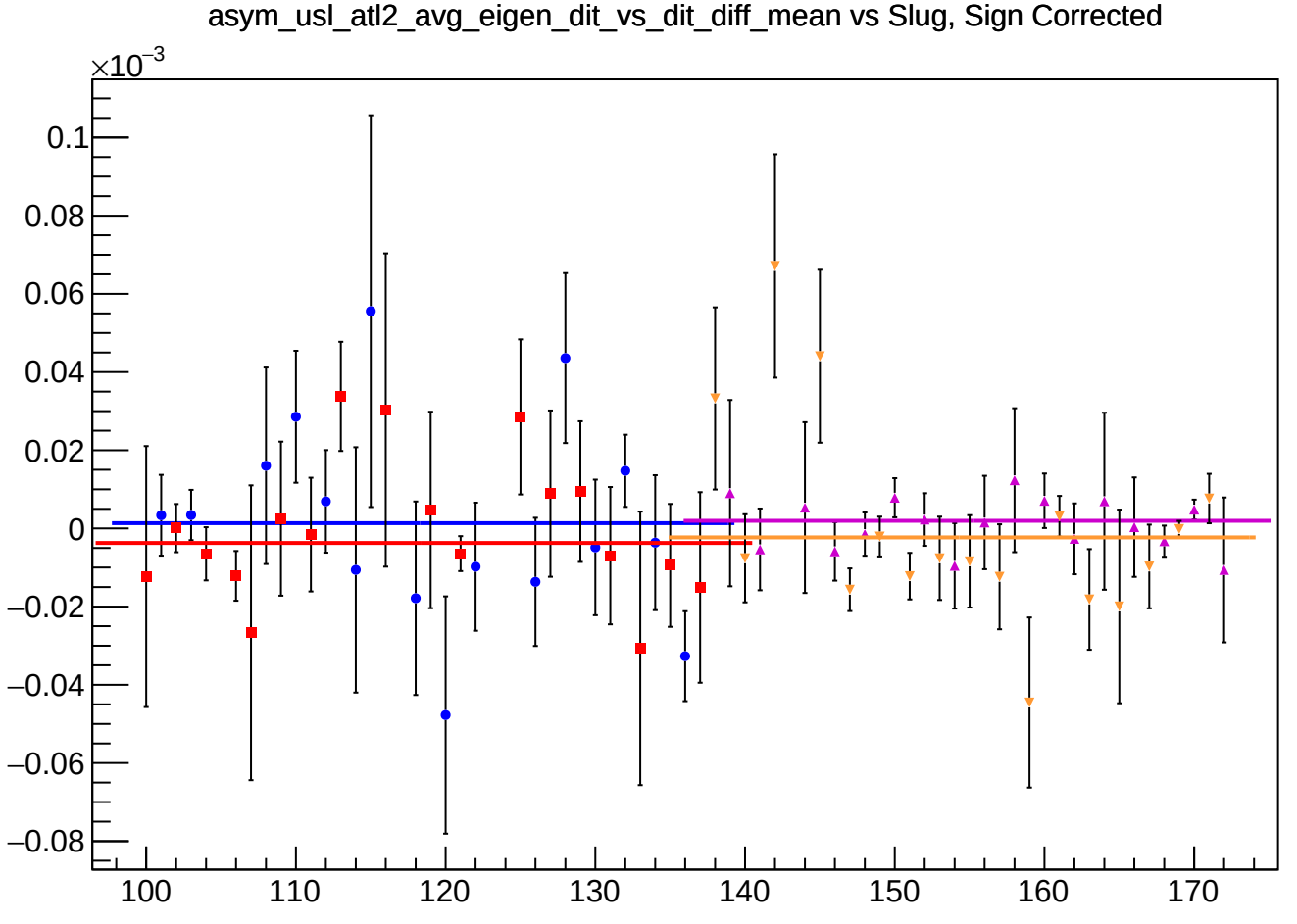
Left: 313.369+/-0.044 χ^2/NDF: 3645386.7/33

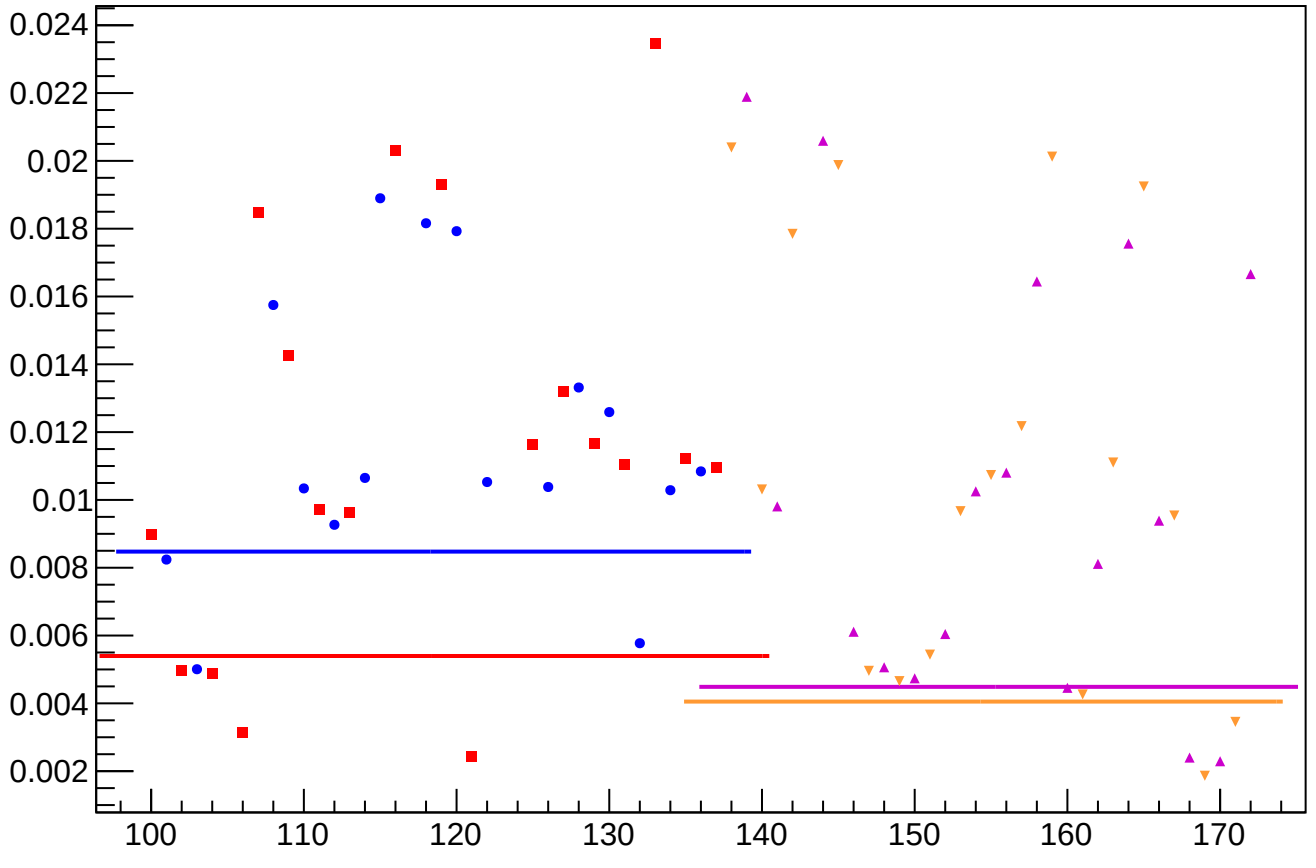
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 186.004+/-0.033 χ^2/NDF:8234227.1/32

Out: 176.388+/-0.032 χ^2/NDF:8941591.2/34

All: 181.129+/-0.023 χ^2/NDF: 17220018.8/67


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 23.9/15
Left Out: -0.000+/-0.000 χ²/NDF:33.6/16
Right Out: -0.000+/-0.000 χ²/NDF: 15.8/17
Left In: 0.000+/-0.000 χ²/NDF:9.2/16
Left: -0.000+/-0.000 χ²/NDF: 46.6/33
Right: -0.000+/-0.000 χ²/NDF: 41.1/33
In: 0.000+/-0.000 χ²/NDF:33.1/32
Out: -0.000+/-0.000 χ²/NDF:49.6/34
All: -0.000+/-0.000 χ²/NDF: 88.3/67



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.004+/-0.000 χ^2/NDF:10412549.7/16

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: 19527222.2/33

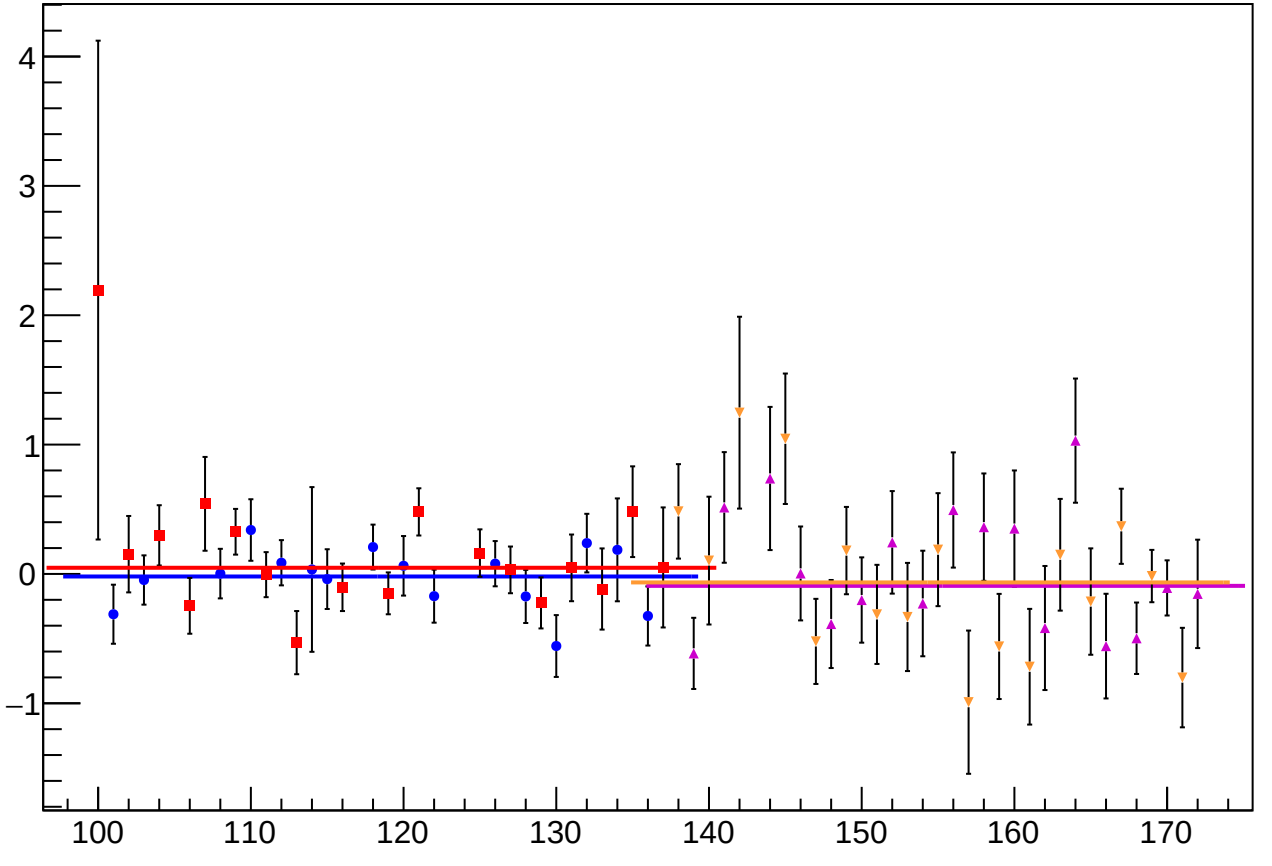
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.005+/-0.000 χ^2/NDF:13175830.5/32

Out: 0.004+/-0.000 χ^2/NDF:15740636.3/34

All: 0.005+/-0.000 χ^2/NDF: 29238325.3/67

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.066+/-0.091 χ^2/NDF:26.7/16

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.092+/-0.087 χ^2/NDF:23.0/16

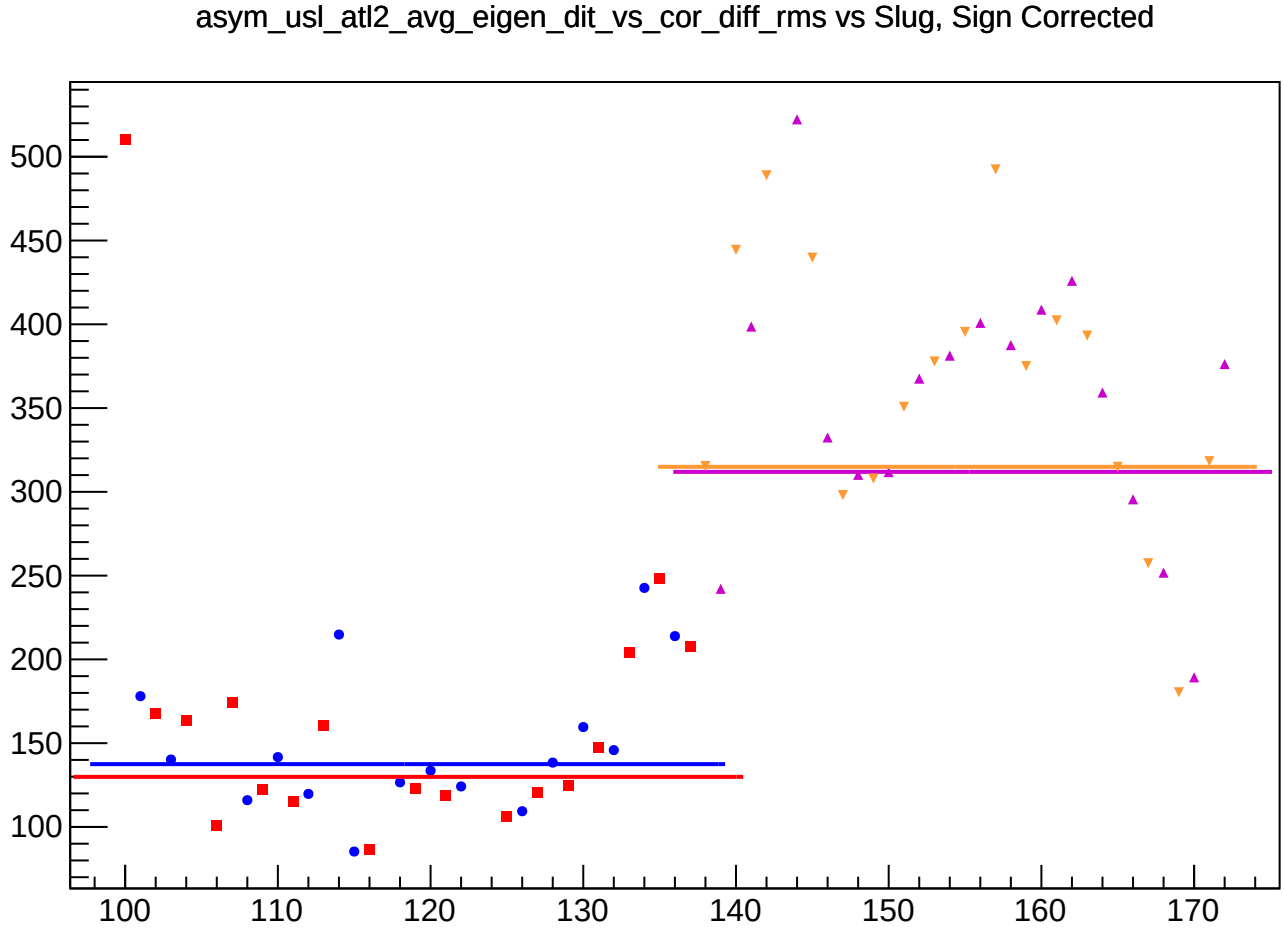
Left: -0.079+/-0.063 χ^2/NDF: 49.7/33

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.040+/-0.046 χ^2/NDF:39.5/32

Out: 0.019+/-0.045 χ^2/NDF:54.2/34

All: -0.010+/-0.032 χ^2/NDF: 94.5/67



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 314.943+/-0.064 χ^2/NDF:1862345.2/16

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: 313.372+/-0.044 χ^2/NDF: 3645473.1/33

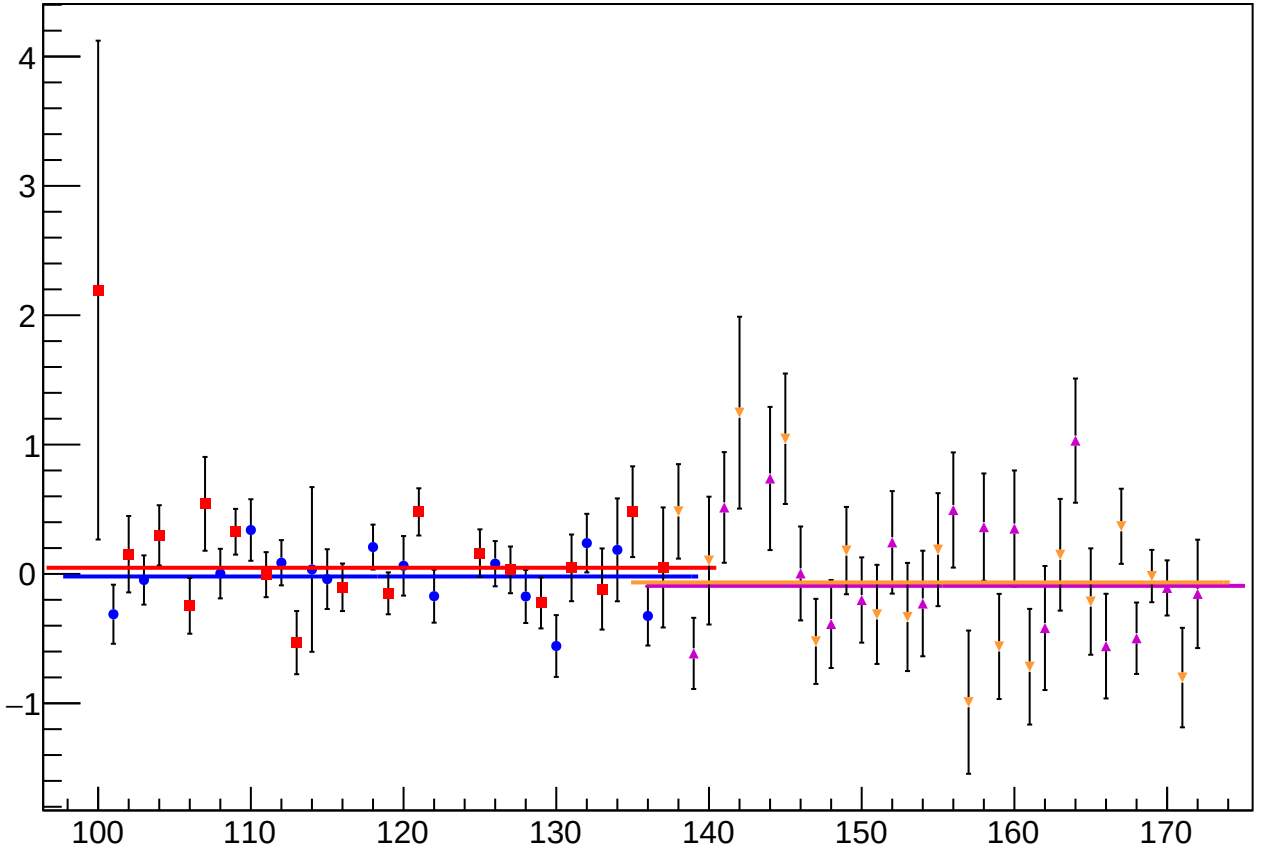
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 186.004+/-0.033 χ^2/NDF:8234348.4/32

Out: 176.387+/-0.032 χ^2/NDF:8941721.8/34

All: 181.129+/-0.023 χ^2/NDF: 17220271.2/67

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: -0.066+/-0.091 χ^2/NDF:26.7/16

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: -0.079+/-0.063 χ^2/NDF: 49.7/33

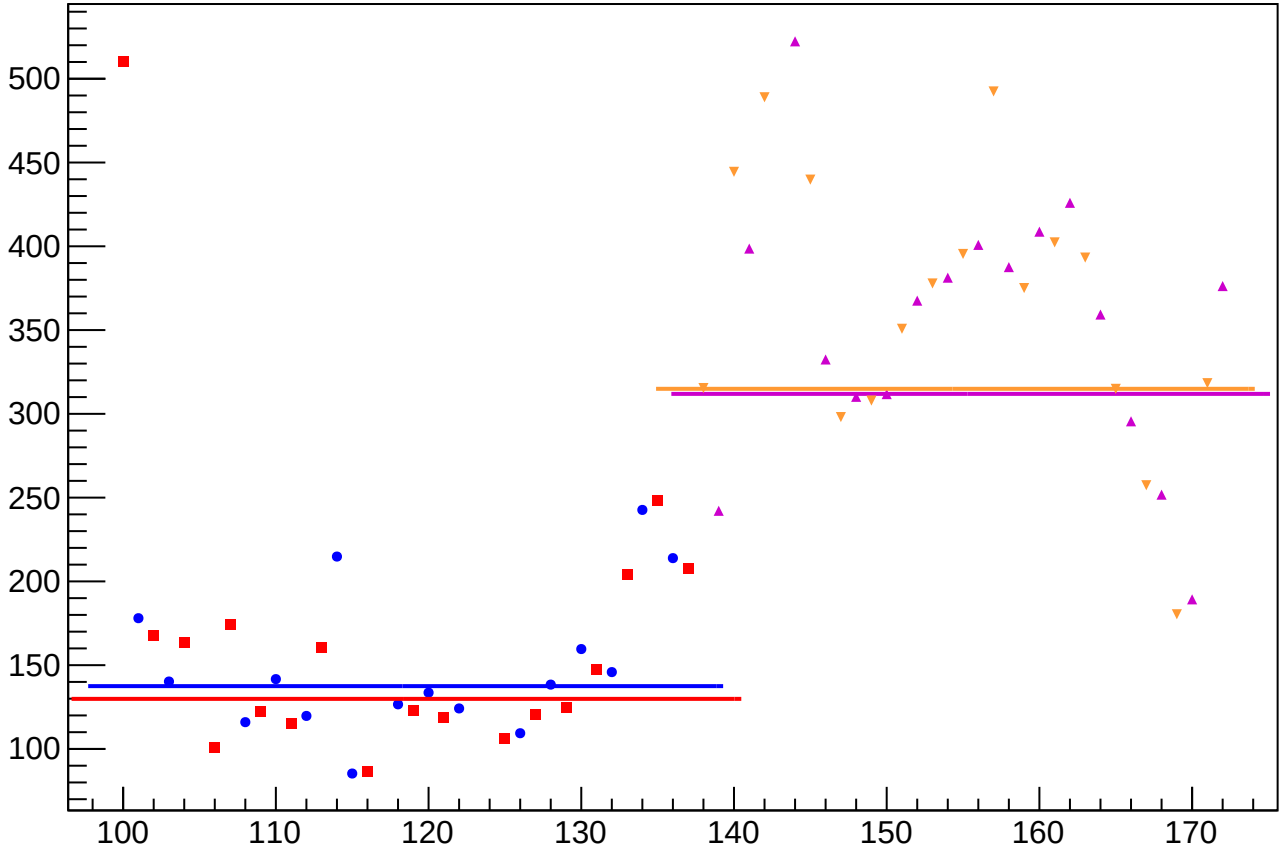
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.040+/-0.046 χ^2/NDF:39.5/32

Out: 0.019+/-0.045 χ^2/NDF:54.2/34

All: -0.010+/-0.032 χ^2/NDF: 94.5/67

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 314.943+/-0.064 χ^2/NDF:1862345.2/16

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 311.913+/-0.062 χ^2/NDF:1781968.6/16

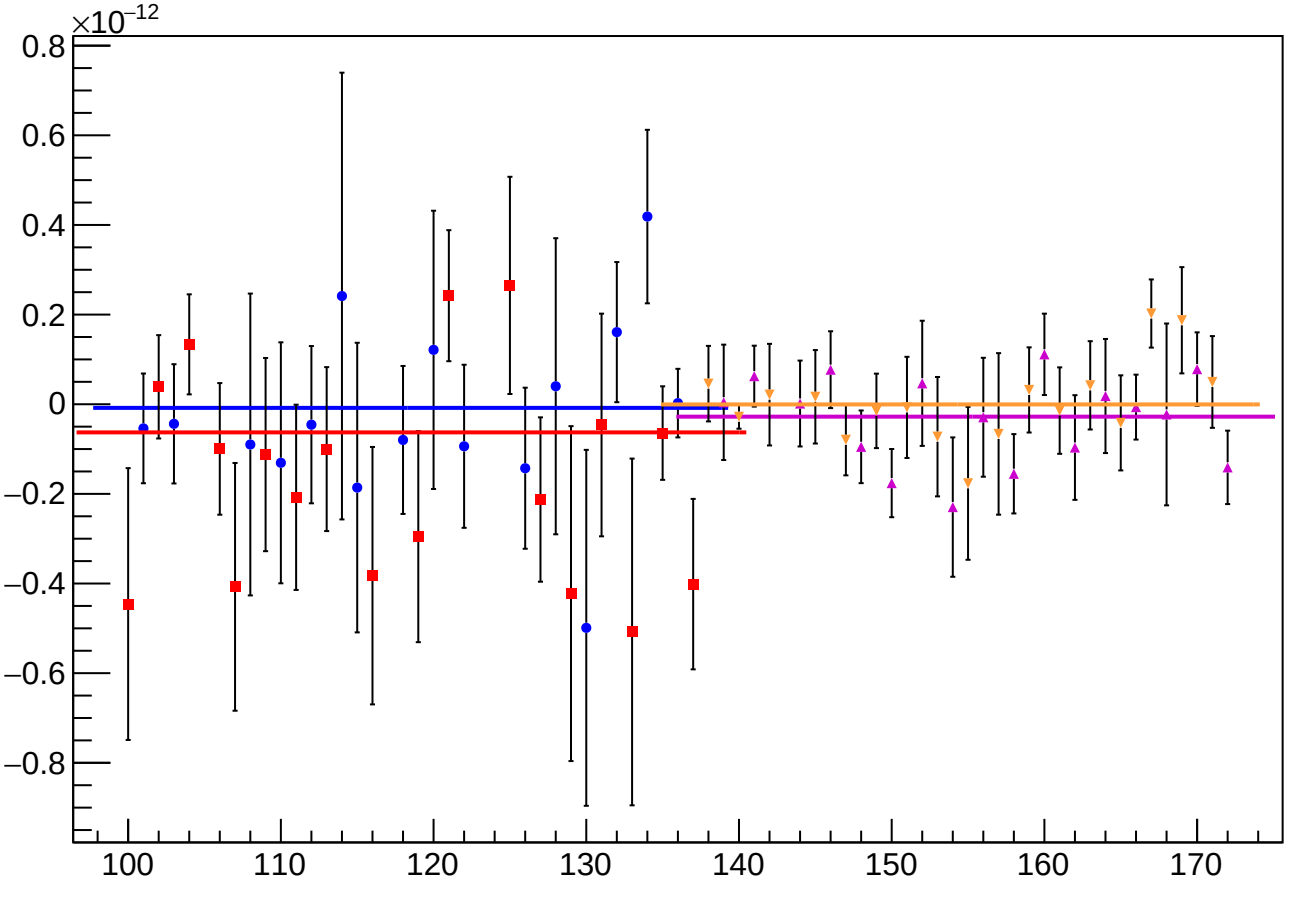
Left: 313.372+/-0.044 χ^2/NDF: 3645473.1/33

Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 186.004+/-0.033 χ^2/NDF:8234348.4/32

Out: 176.387+/-0.032 χ^2/NDF:8941721.8/34

All: 181.129+/-0.023 χ^2/NDF: 17220271.2/67



Right In: -0.000+/-0.000 χ^2/NDF: 9.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/16

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/17

Left In: -0.000+/-0.000 χ^2/NDF:18.4/16

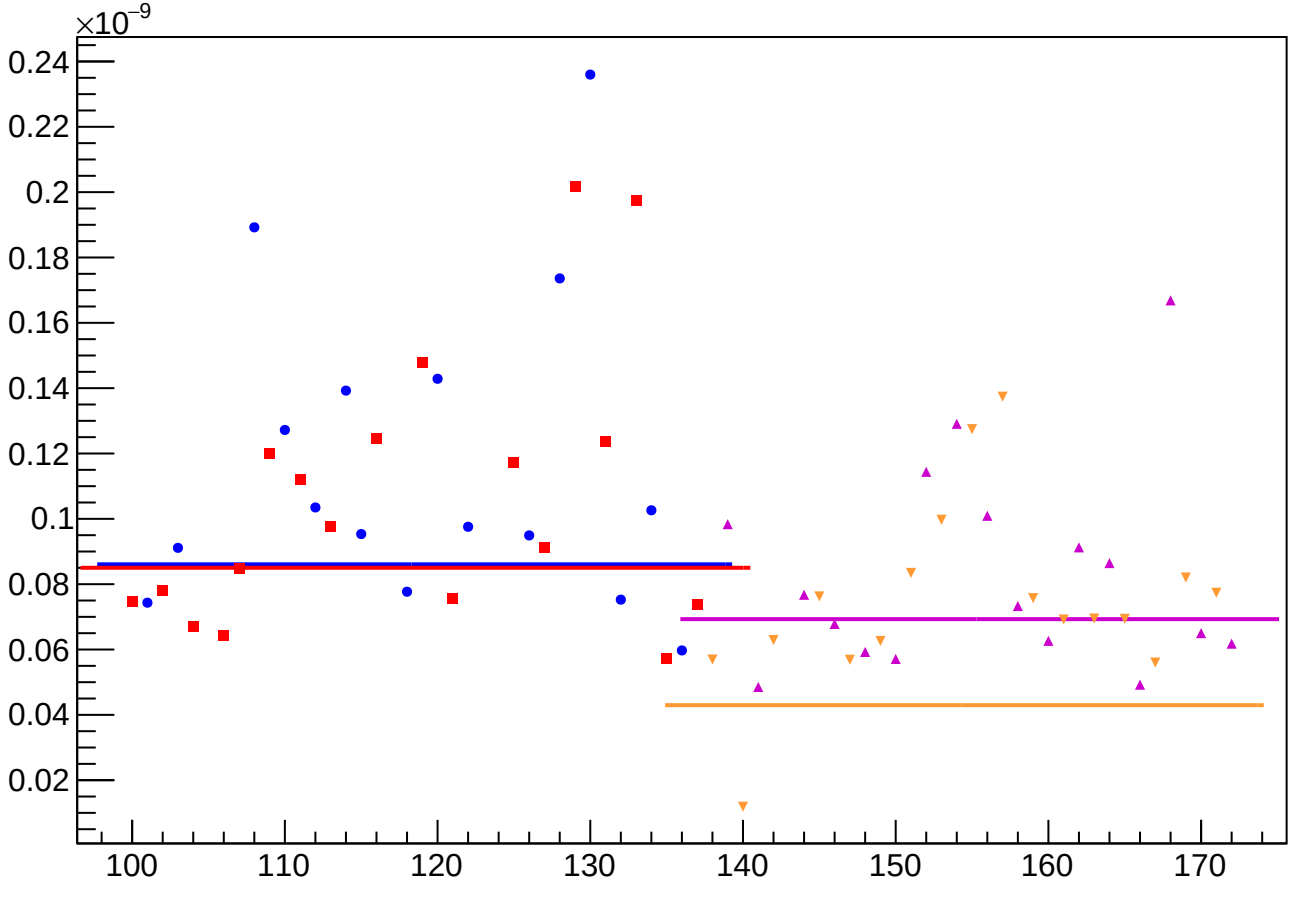
Left: -0.000+/-0.000 χ^2/NDF: 33.6/33

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:38.3/34

All: -0.000+/-0.000 χ^2/NDF: 67.0/67



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6027048.5/16

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: 9392229.8/33

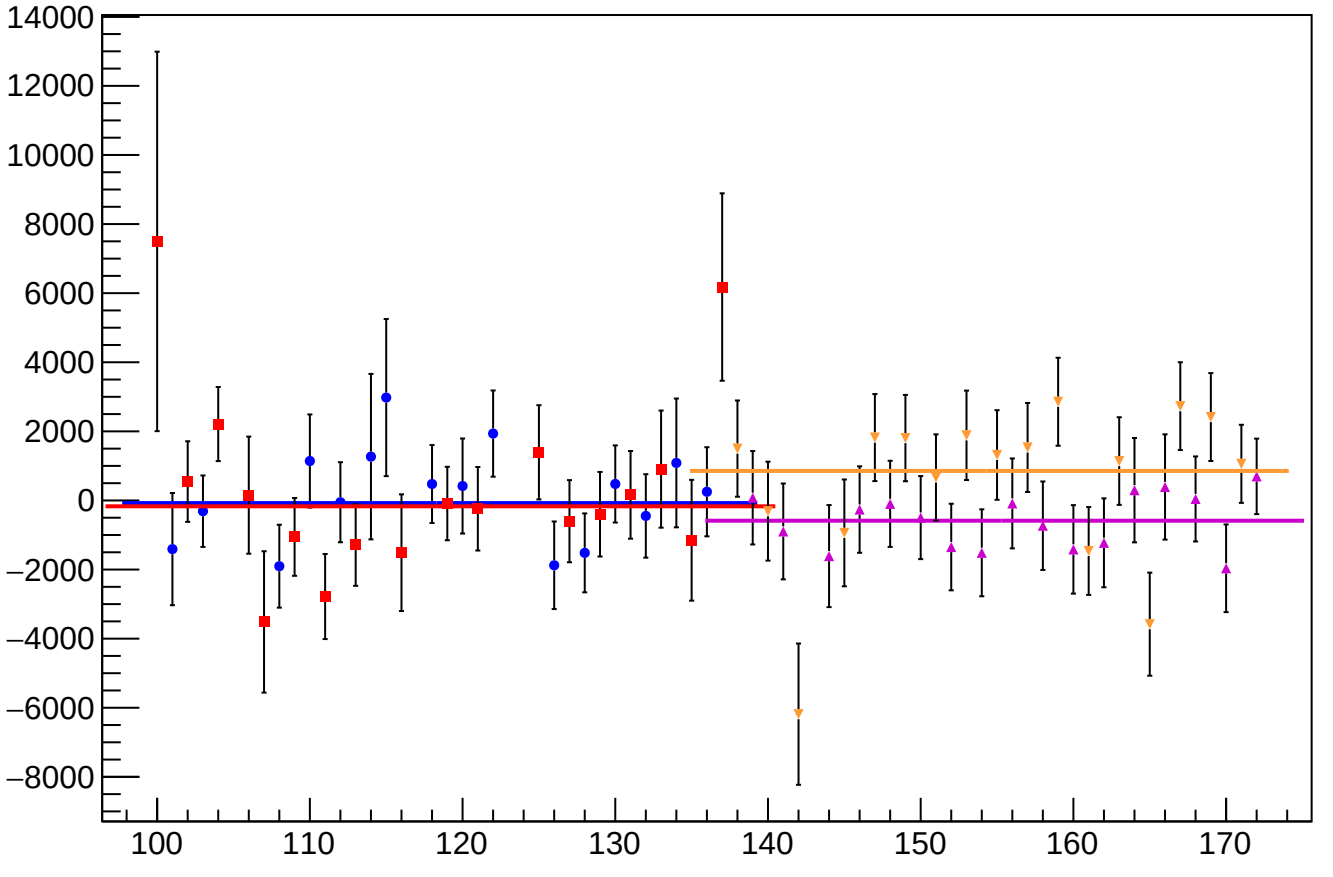
Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:3075675.1/32

Out: 0.000+/-0.000 χ^2/NDF:8712245.4/34

All: 0.000+/-0.000 χ^2/NDF: 13361928.5/67

reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 854.366+/-321.203 χ^2/NDF:34.7/16

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: 116.815+/-224.374 χ^2/NDF: 51.3/33

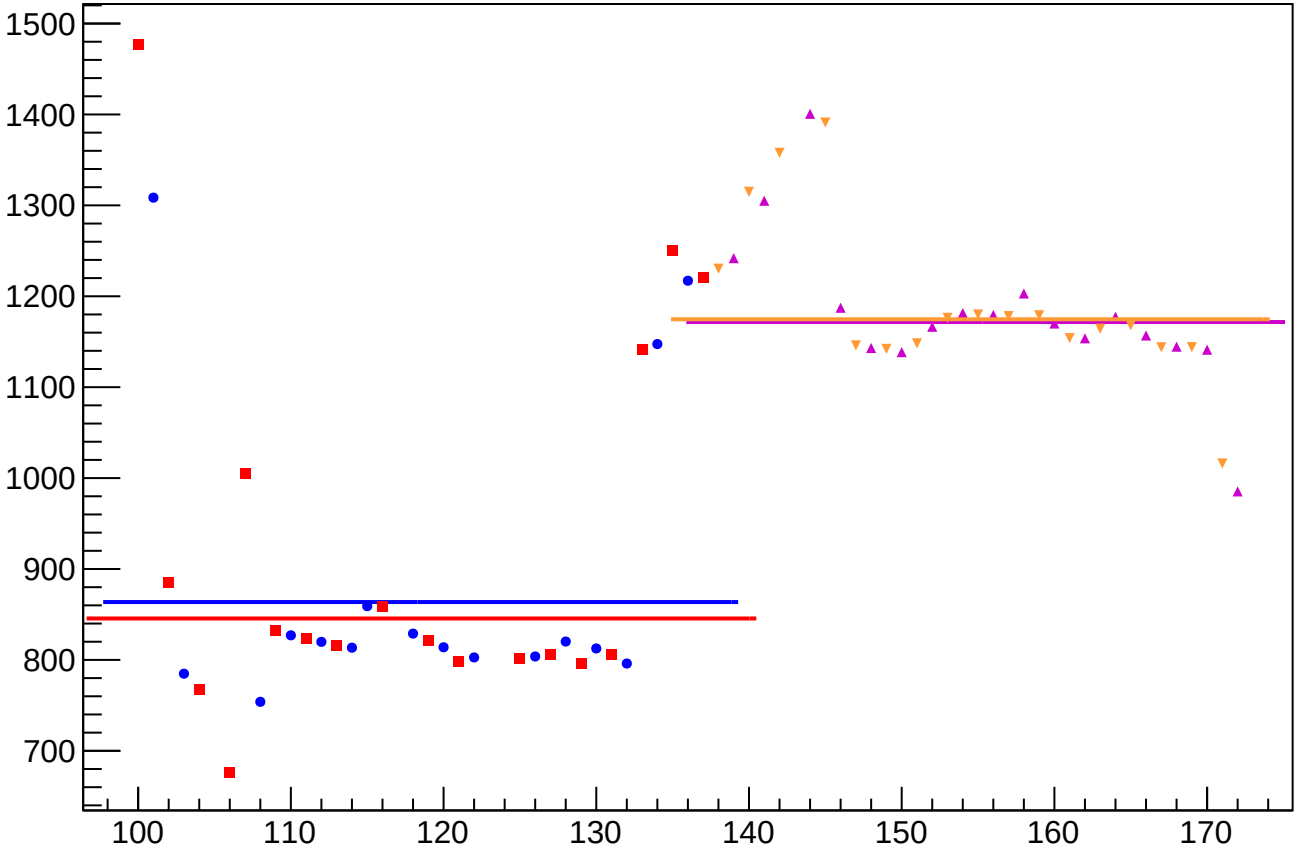
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -341.094+/-226.066 χ^2/NDF:20.9/32

Out: 343.504+/-227.345 χ^2/NDF:64.1/34

All: -0.727+/-160.303 χ^2/NDF: 89.6/67

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1174.697+/-0.227 χ^2/NDF:123430.2/16

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1171.655+/-0.222 χ^2/NDF:137206.9/16

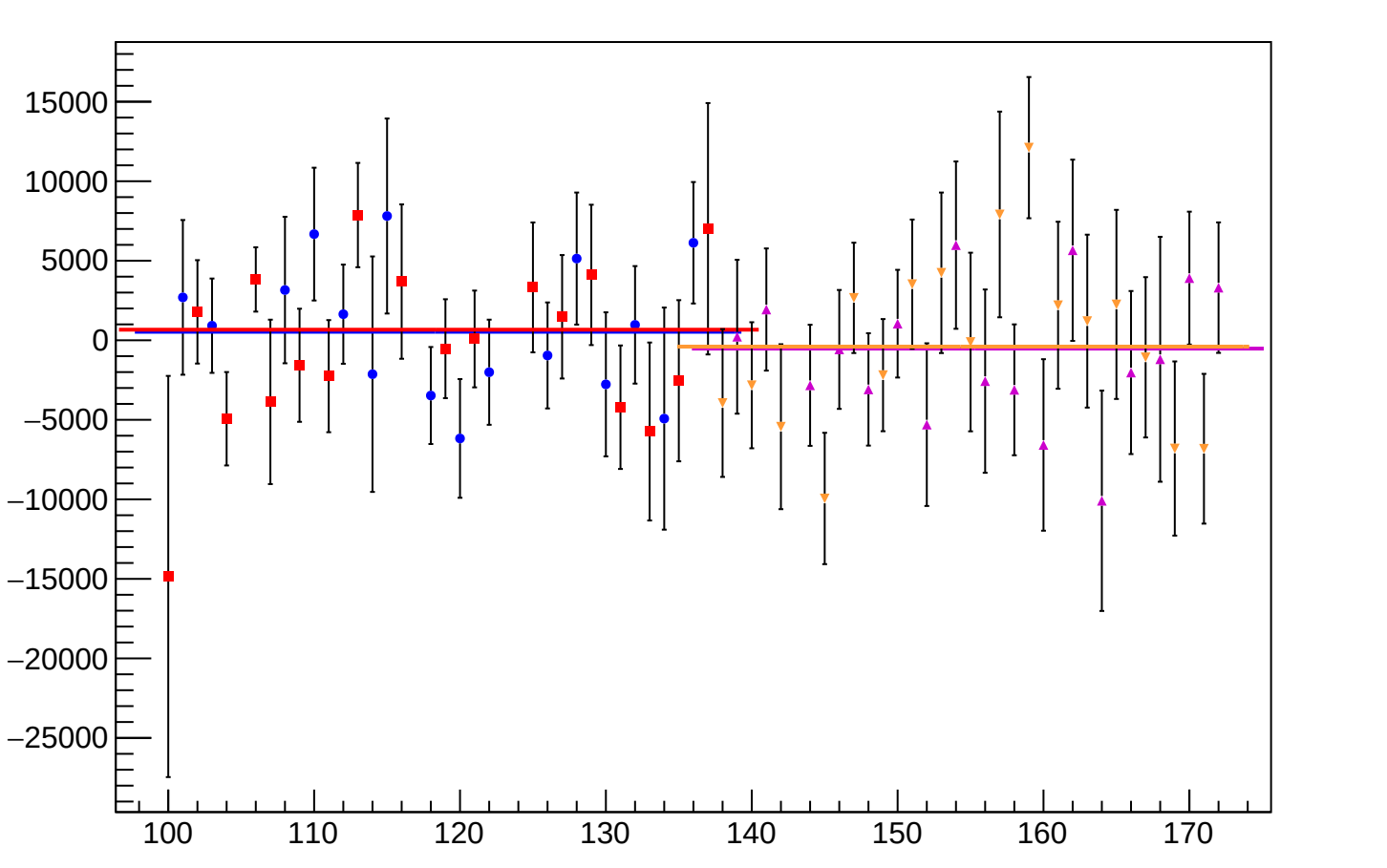
Left: 1173.140+/-0.159 χ^2/NDF: 260729.0/33

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 1023.754+/-0.160 χ^2/NDF:1471330.2/32

Out: 1008.411+/-0.160 χ^2/NDF:1492117.0/34

All: 1016.078+/-0.113 χ^2/NDF: 2968055.7/67



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -397.626+/-1123.712 χ^2/NDF:23.4/16

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: -523.057+/-1091.189 χ^2/NDF:10.9/16

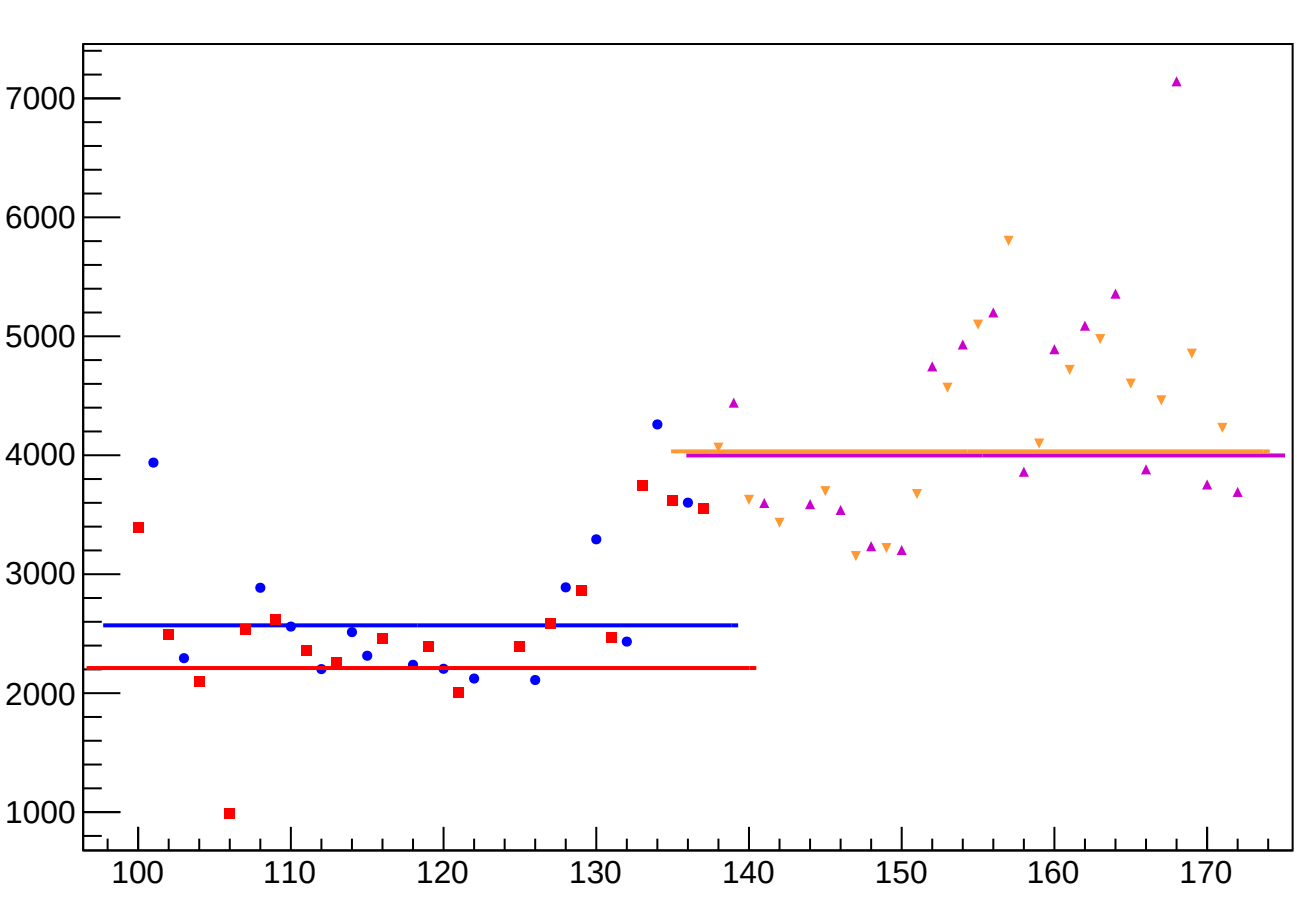
Left: -462.183+/-782.832 χ^2/NDF: 34.4/33

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 61.648+/-729.647 χ^2/NDF:26.1/32

Out: 270.192+/-685.426 χ^2/NDF:44.0/34

All: 172.431+/-499.571 χ^2/NDF: 70.1/67



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 4032.444+/-0.795 χ^2/NDF:732150.1/16

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3998.315+/-0.772 χ^2/NDF:1048387.1/16

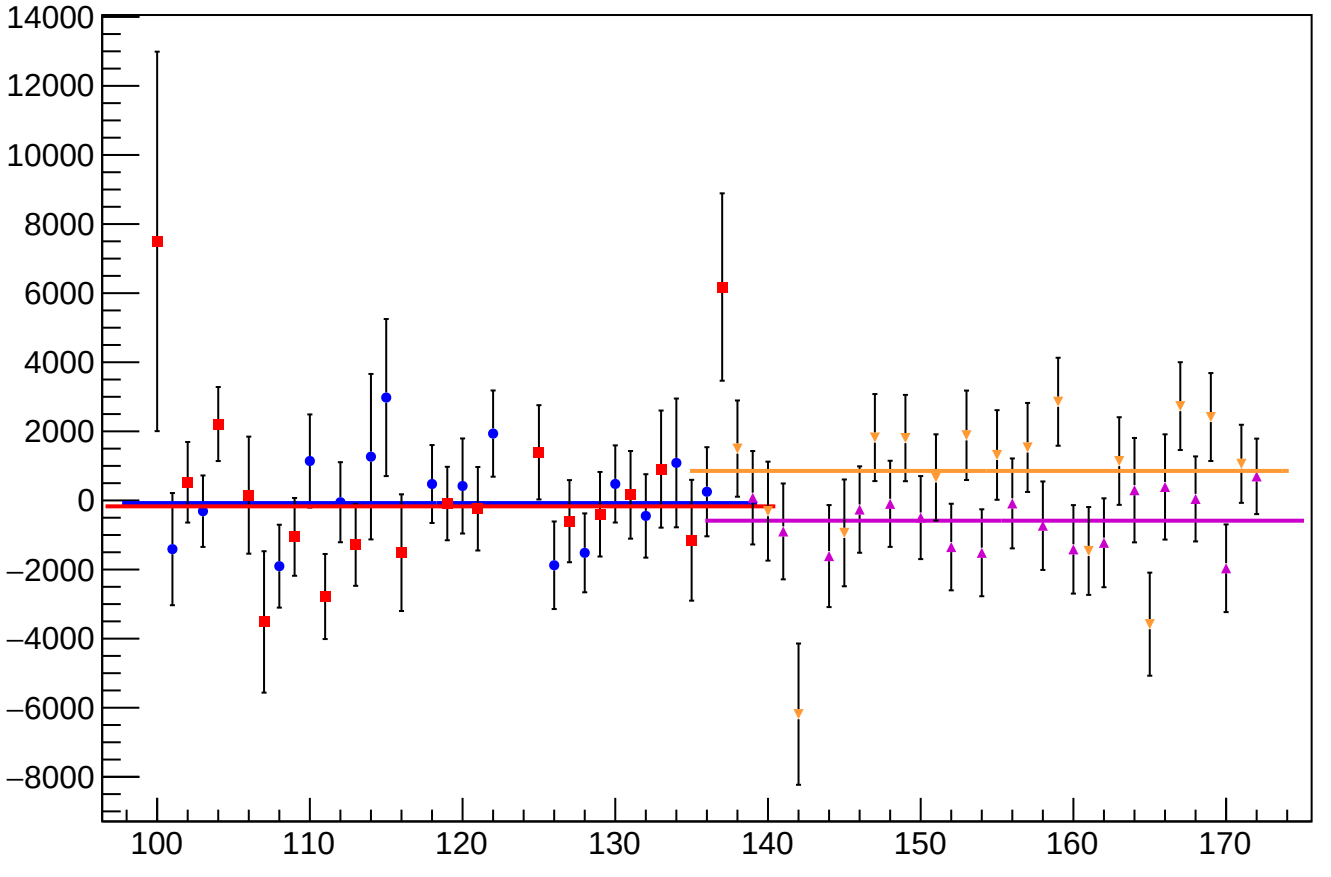
Left: 4014.879+/-0.554 χ^2/NDF: 1781486.7/33

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 3208.704+/-0.516 χ^2/NDF:3605067.2/32

Out: 2888.853+/-0.485 χ^2/NDF:5294934.8/34

All: 3038.793+/-0.353 χ^2/NDF: 9104164.0/67



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 854.363+/-321.203 χ^2/NDF:34.7/16

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: 116.817+/-224.374 χ^2/NDF: 51.3/33

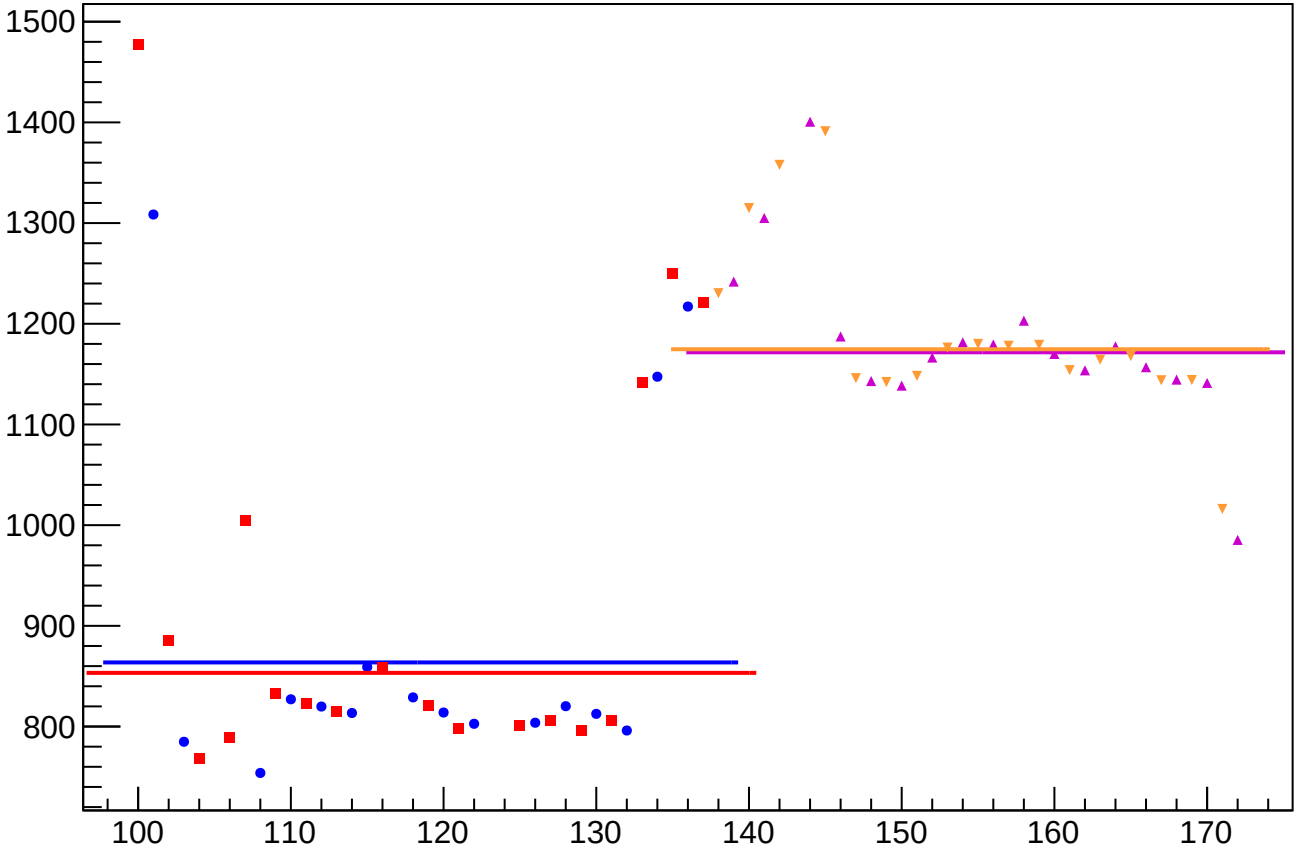
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -341.128+/-226.066 χ^2/NDF:20.9/32

Out: 342.694+/-227.347 χ^2/NDF:64.1/34

All: -1.150+/-160.304 χ^2/NDF: 89.6/67

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1174.697+/-0.227 χ^2/NDF:123430.2/16

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1171.655+/-0.222 χ^2/NDF:137206.9/16

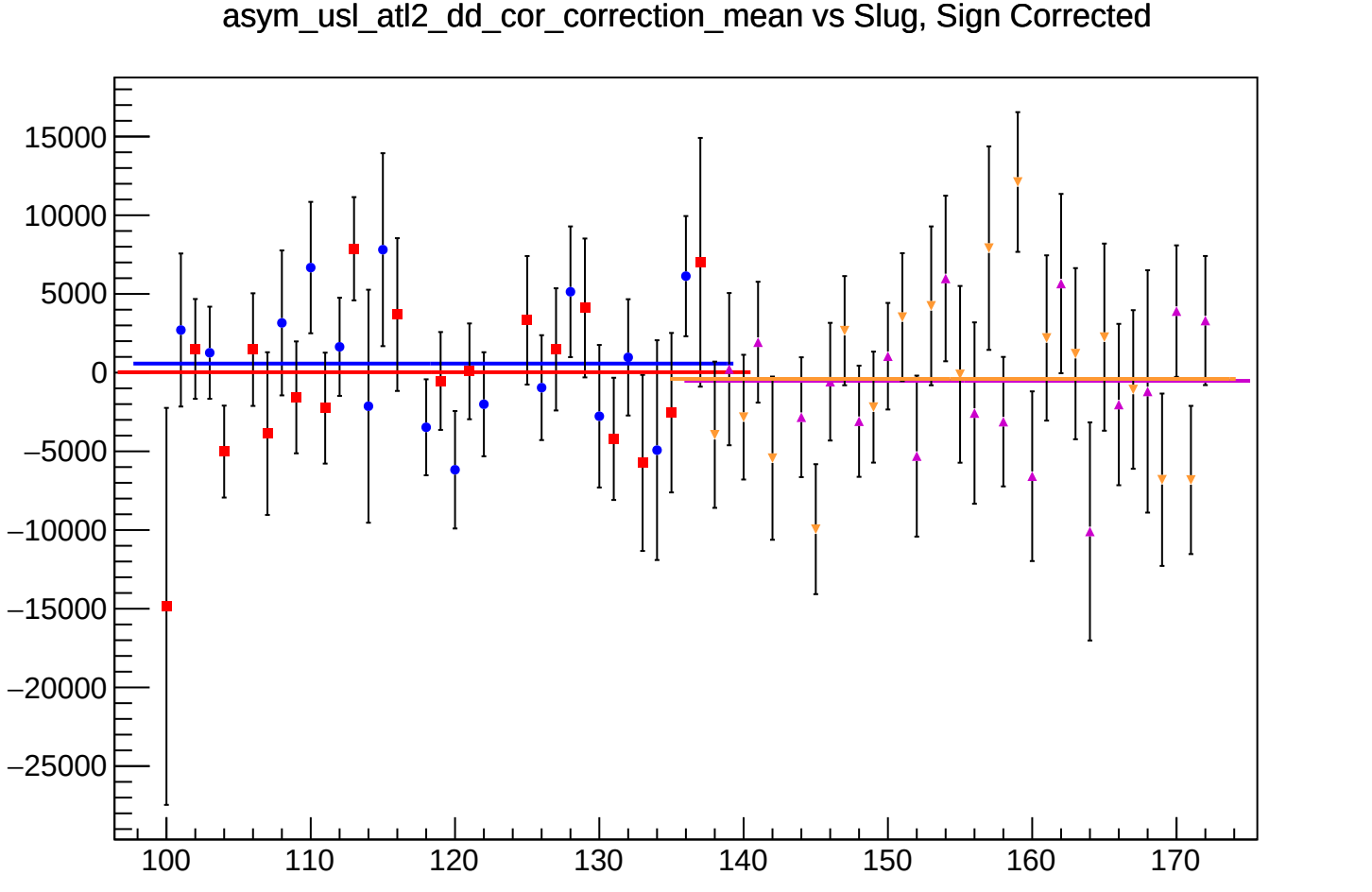
Left: 1173.140+/-0.159 χ^2/NDF: 260728.9/33

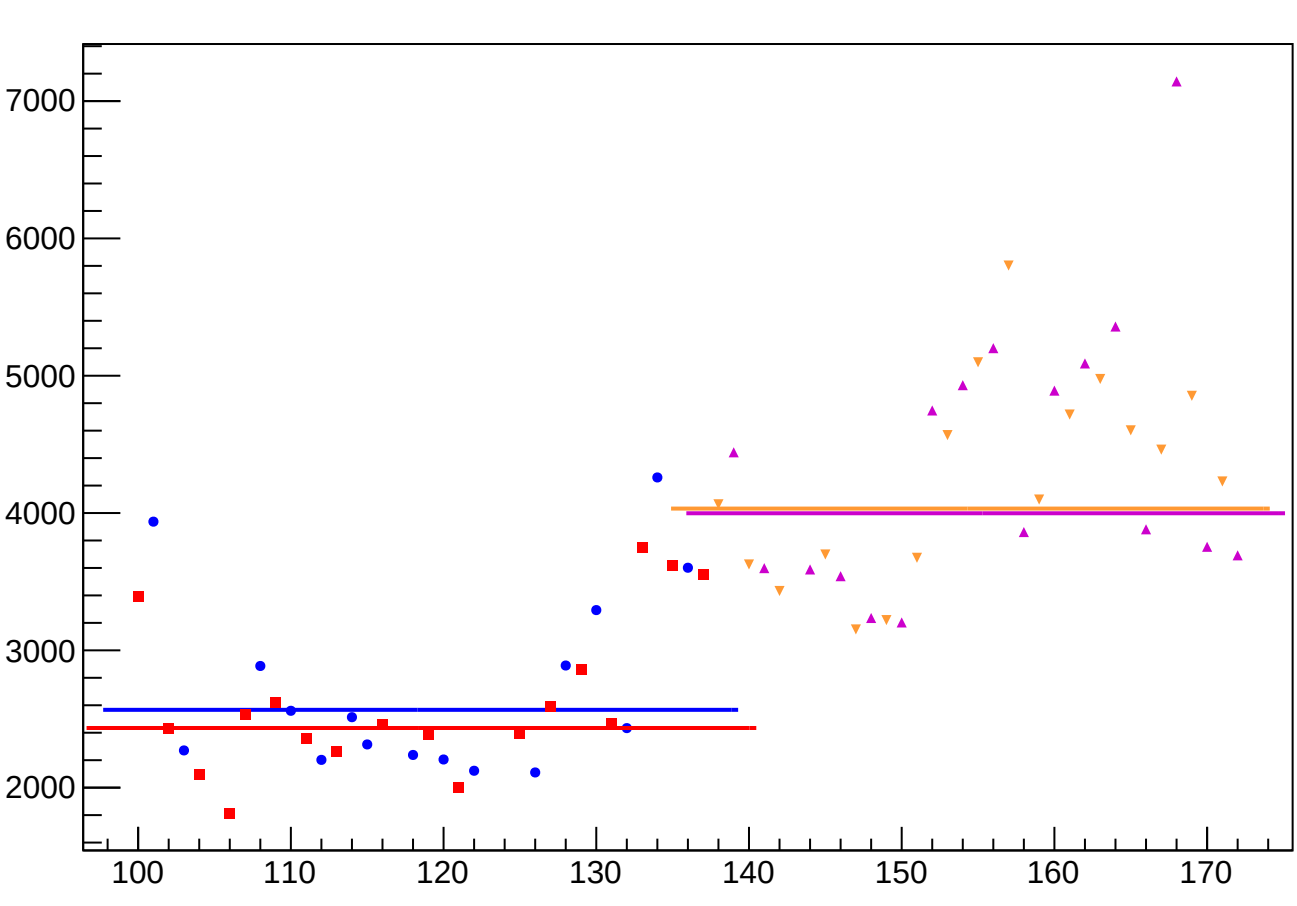
Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1023.754+/-0.160 χ^2/NDF:1471330.3/32

Out: 1013.476+/-0.160 χ^2/NDF:1403289.0/34

All: 1018.631+/-0.113 χ^2/NDF: 2876679.8/67


asym_usl_atl2_dd_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: -397.607+/-1123.712 χ²/NDF:23.4/16
Right Out: 28.604+/-922.115 χ²/NDF: 17.2/17
Left In: -523.078+/-1091.188 χ²/NDF:10.9/16
Left: -462.185+/-782.832 χ²/NDF: 34.4/33
Right: 285.212+/-671.519 χ²/NDF: 32.1/33
In: 84.799+/-729.056 χ²/NDF:26.2/32
Out: -142.907+/-712.833 χ²/NDF:40.7/34
All: -31.615+/-509.688 χ²/NDF: 66.9/67



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 4032.444+/-0.795 χ^2/NDF:732149.9/16

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3998.311+/-0.772 χ^2/NDF:1048390.3/16

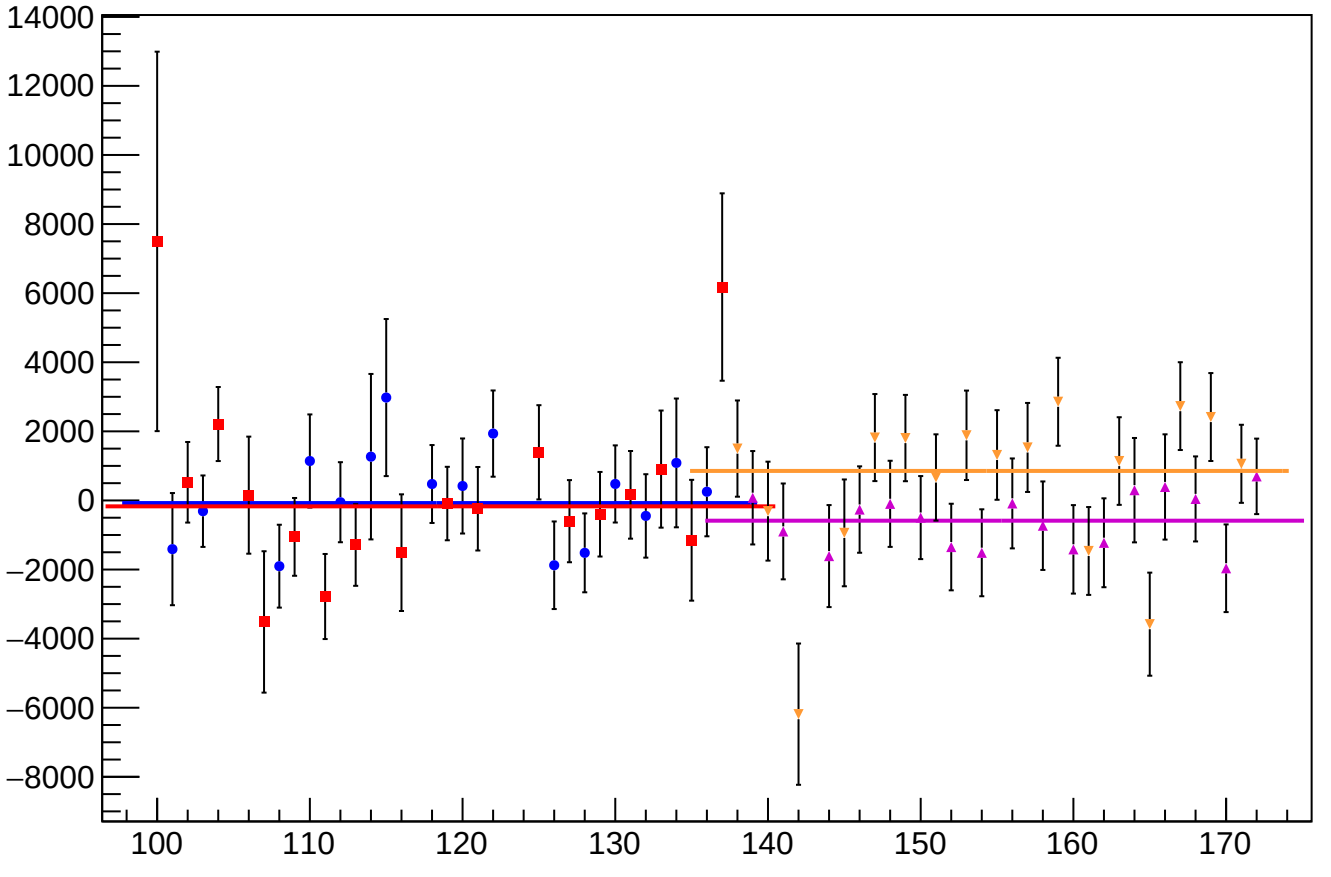
Left: 4014.876+/-0.554 χ^2/NDF: 1781489.9/33

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3205.787+/-0.516 χ^2/NDF:3619979.1/32

Out: 3077.482+/-0.504 χ^2/NDF:3583284.0/34

All: 3140.191+/-0.360 χ^2/NDF: 7234931.5/67



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 854.363+/-321.203 χ^2/NDF:34.7/16

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -586.048+/-313.560 χ^2/NDF:6.3/16

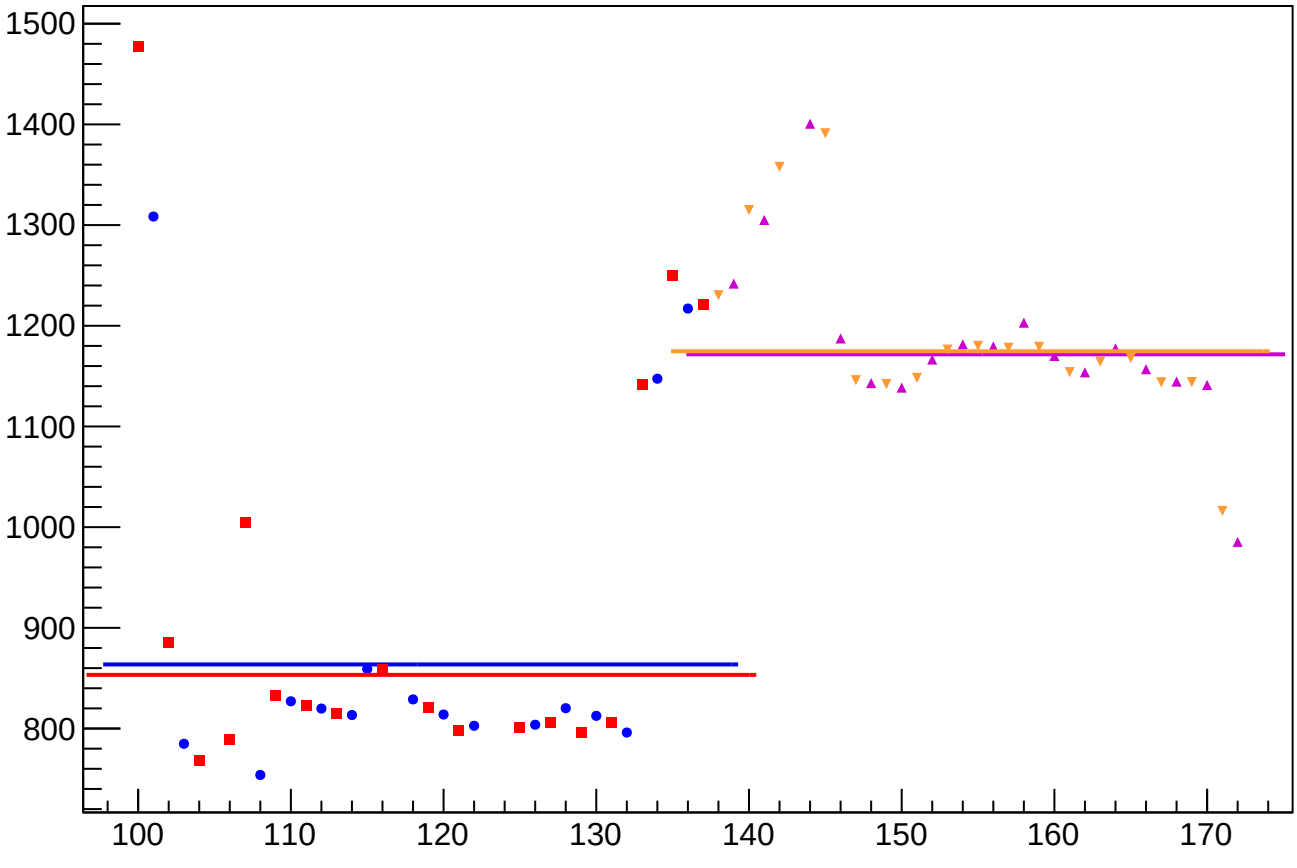
Left: 116.817+/-224.374 χ^2/NDF: 51.3/33

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -341.128+/-226.066 χ^2/NDF:20.9/32

Out: 342.694+/-227.347 χ^2/NDF:64.1/34

All: -1.150+/-160.304 χ^2/NDF: 89.6/67



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1174.697+/-0.227 χ^2/NDF:123430.2/16

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1171.655+/-0.222 χ^2/NDF:137206.9/16

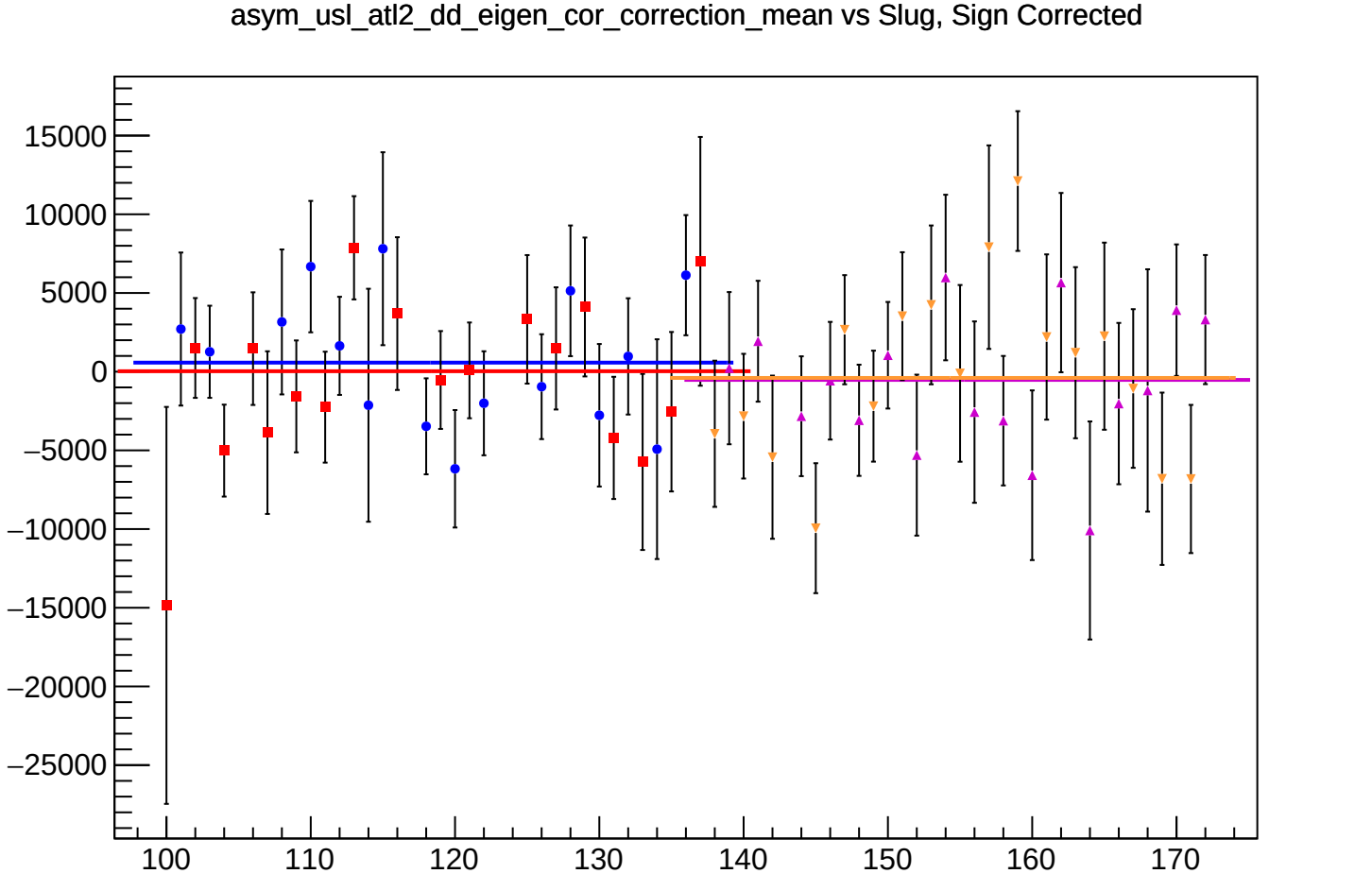
Left: 1173.140+/-0.159 χ^2/NDF: 260728.9/33

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1023.754+/-0.160 χ^2/NDF:1471330.3/32

Out: 1013.476+/-0.160 χ^2/NDF:1403289.0/34

All: 1018.631+/-0.113 χ^2/NDF: 2876679.8/67



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -397.607+/-1123.712 χ^2/NDF:23.4/16

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -523.078+/-1091.188 χ^2/NDF:10.9/16

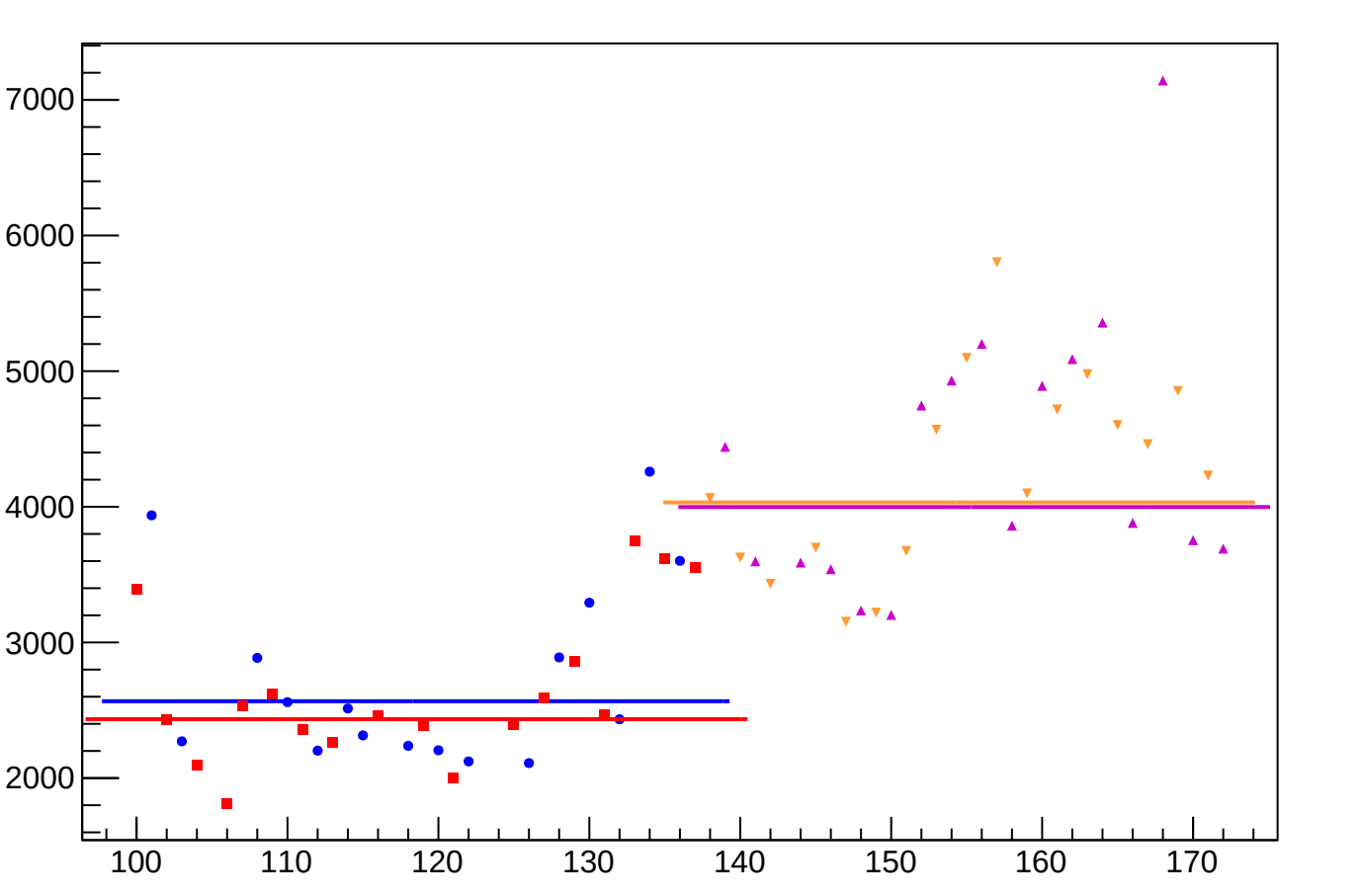
Left: -462.185+/-782.832 χ^2/NDF: 34.4/33

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 84.799+/-729.056 χ^2/NDF:26.2/32

Out: -142.907+/-712.833 χ^2/NDF:40.7/34

All: -31.615+/-509.688 χ^2/NDF: 66.9/67



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 4032.444+/-0.795 χ^2/NDF:732149.9/16

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3998.311+/-0.772 χ^2/NDF:1048390.3/16

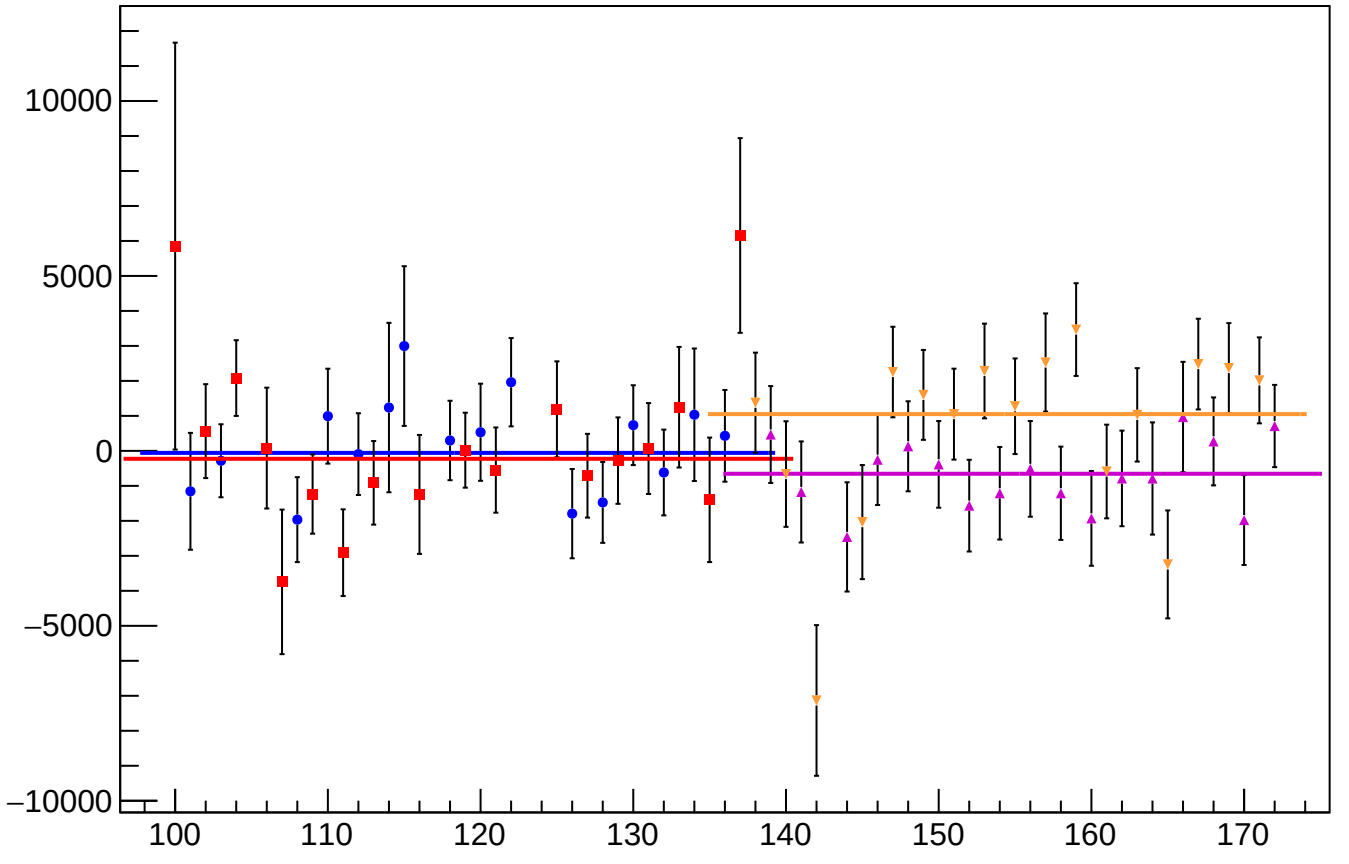
Left: 4014.876+/-0.554 χ^2/NDF: 1781489.9/33

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3205.787+/-0.516 χ^2/NDF:3619979.1/32

Out: 3077.482+/-0.504 χ^2/NDF:3583284.0/34

All: 3140.191+/-0.360 χ^2/NDF: 7234931.5/67



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 1051.241+/-335.634 χ^2/NDF:37.8/16

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: 176.419+/-234.220 χ^2/NDF: 59.5/33

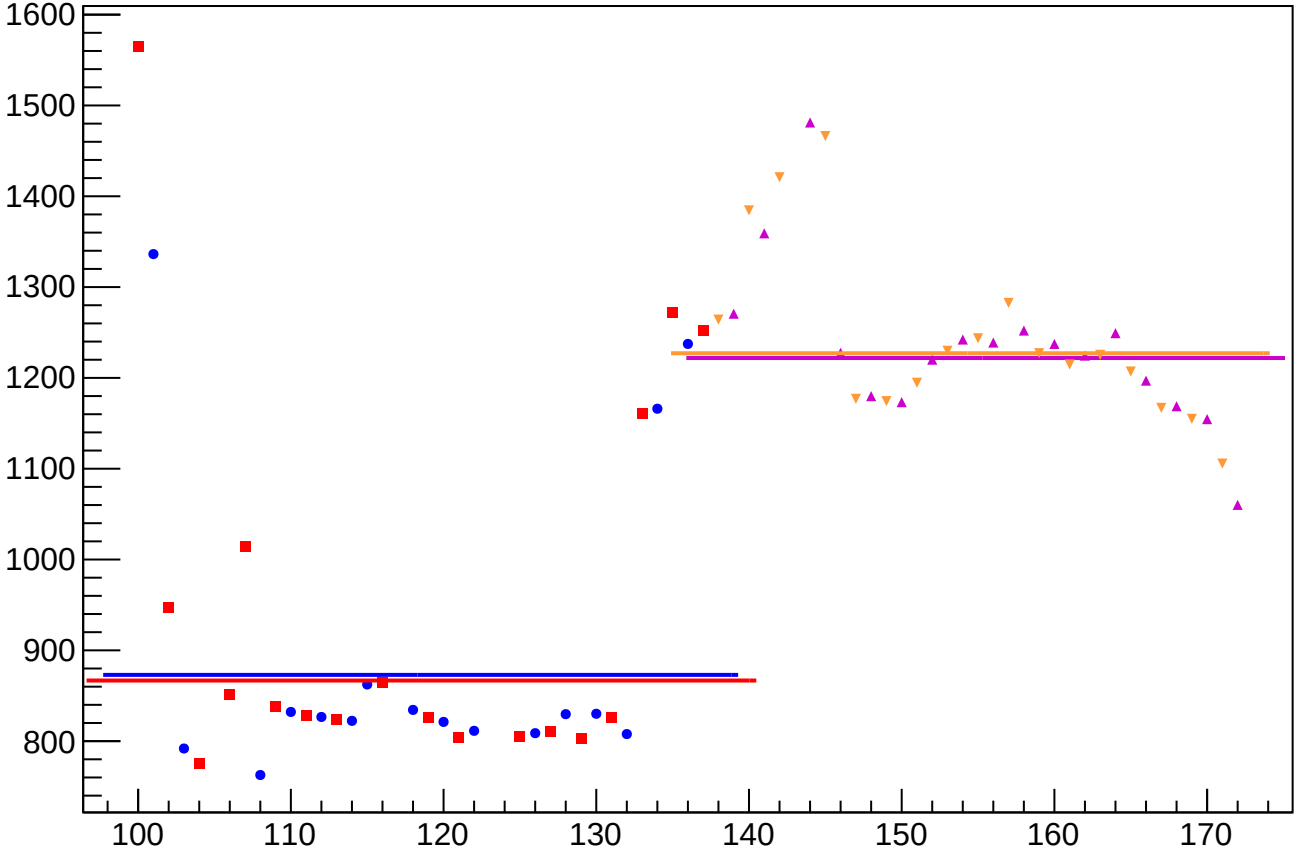
Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -358.411+/-232.311 χ^2/NDF:23.0/32

Out: 398.026+/-234.608 χ^2/NDF:68.2/34

All: 16.086+/-165.075 χ^2/NDF: 96.4/67

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1227.139+/-0.237 χ^2/NDF:124099.5/16

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1221.886+/-0.231 χ^2/NDF:131054.6/16

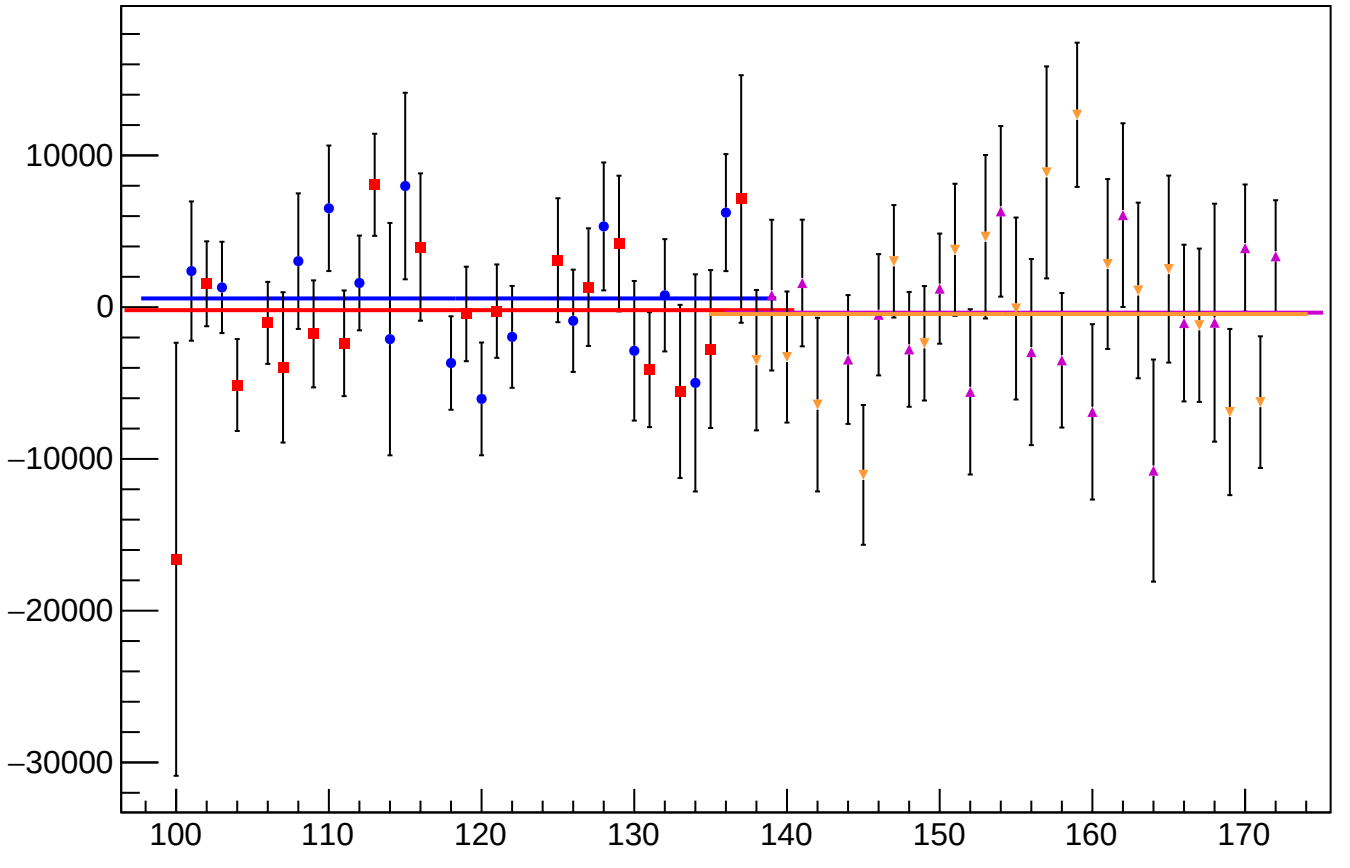
Left: 1224.444+/-0.166 χ^2/NDF: 255405.4/33

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1049.063+/-0.164 χ^2/NDF:1675945.0/32

Out: 1042.670+/-0.166 χ^2/NDF:1594714.5/34

All: 1045.897+/-0.117 χ^2/NDF: 3271409.6/67



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -451.947+/-1182.757 χ^2/NDF:23.5/16

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: -362.111+/-1143.598 χ^2/NDF:10.9/16

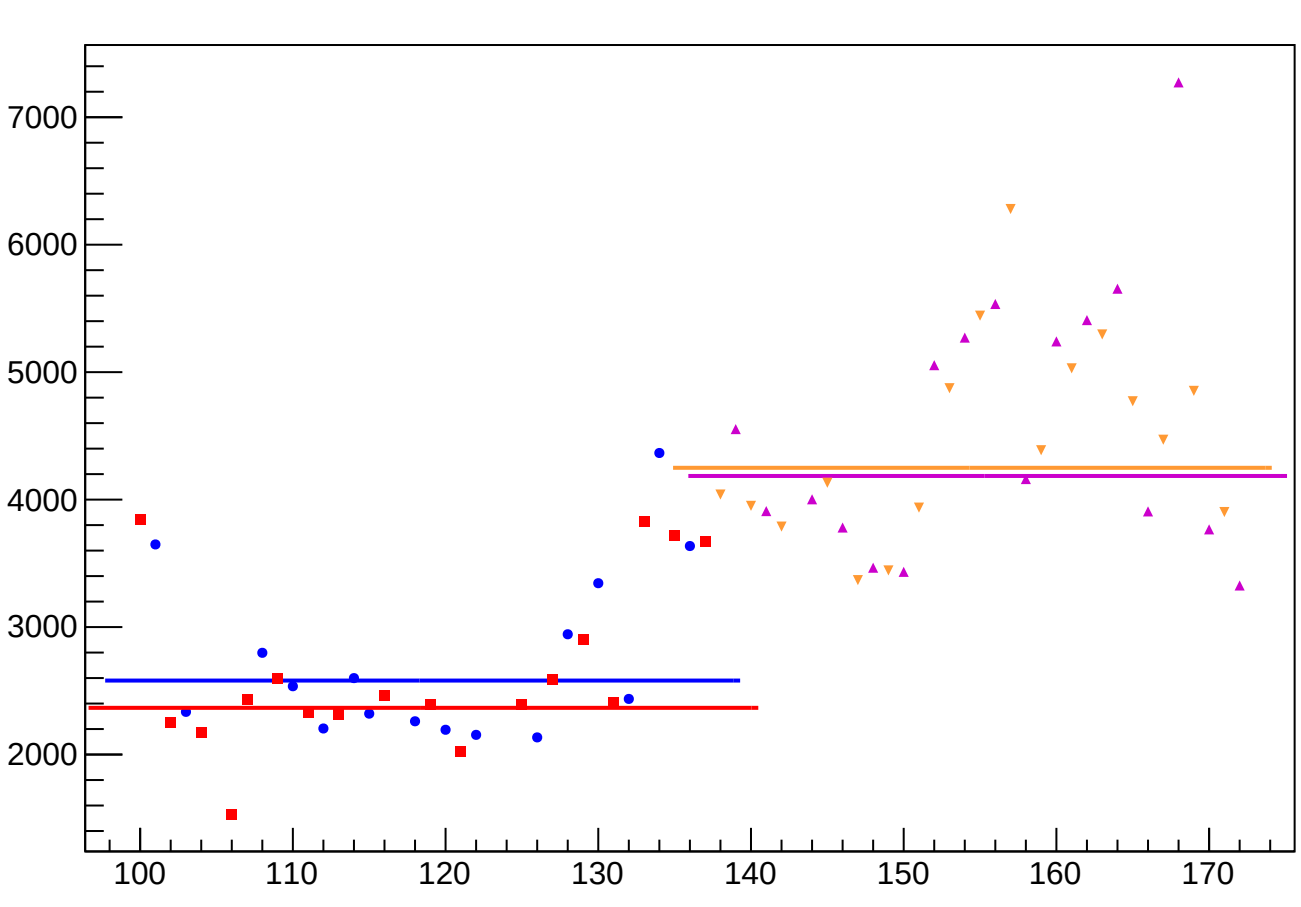
Left: -405.517+/-822.141 χ^2/NDF: 34.4/33

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 176.089+/-746.278 χ^2/NDF:26.0/32

Out: -290.320+/-713.250 χ^2/NDF:40.7/34

All: -67.664+/-515.625 χ^2/NDF: 66.9/67



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4249.579+/-0.836 χ^2/NDF:678877.5/16

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4185.516+/-0.809 χ^2/NDF:1097770.1/16

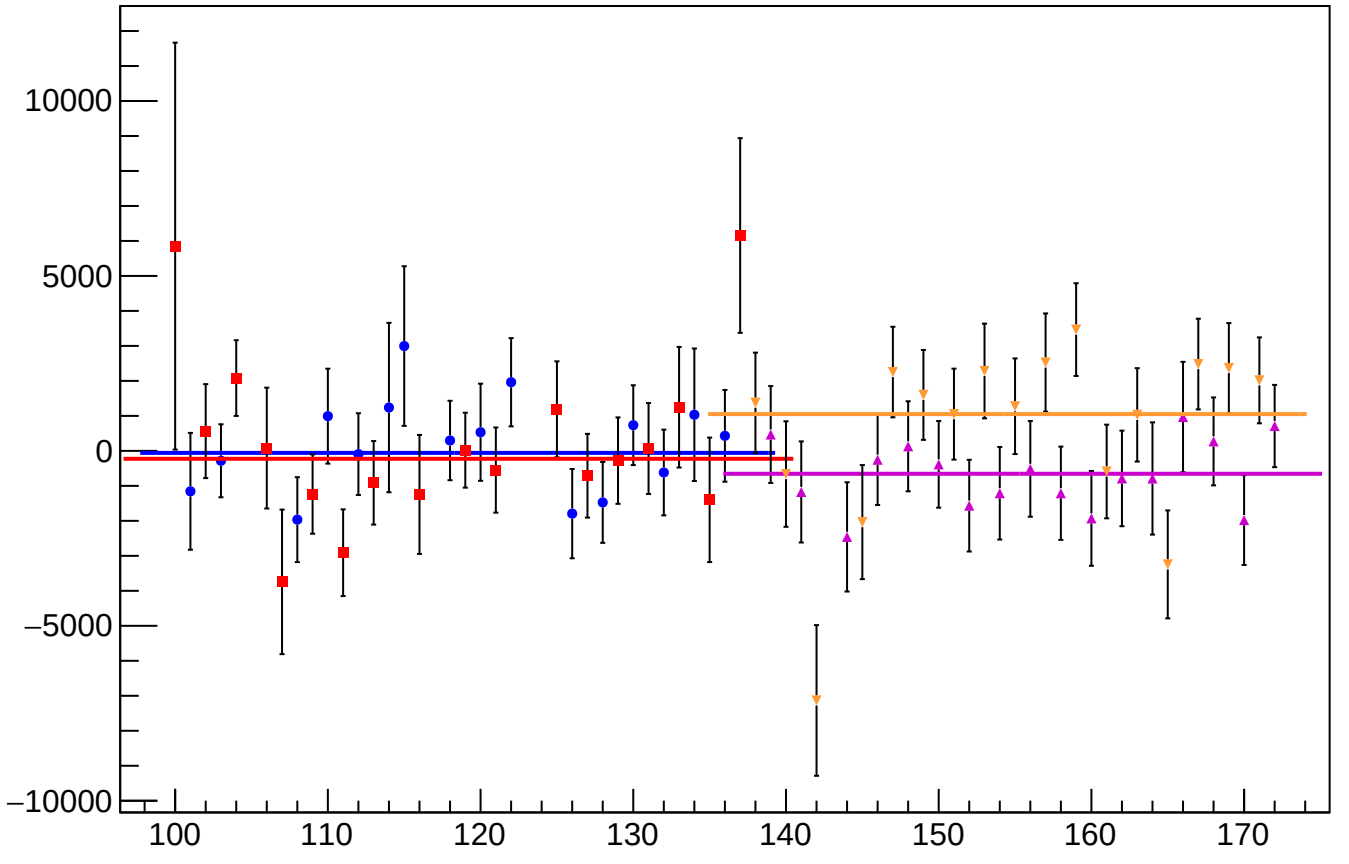
Left: 4216.469+/-0.581 χ^2/NDF: 1779680.2/33

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 3263.921+/-0.528 χ^2/NDF:3977150.5/32

Out: 3051.240+/-0.504 χ^2/NDF:4516894.2/34

All: 3152.771+/-0.365 χ^2/NDF: 8578937.4/67



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 1051.241+/-335.634 χ^2/NDF:37.8/16

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -654.022+/-327.010 χ^2/NDF:8.4/16

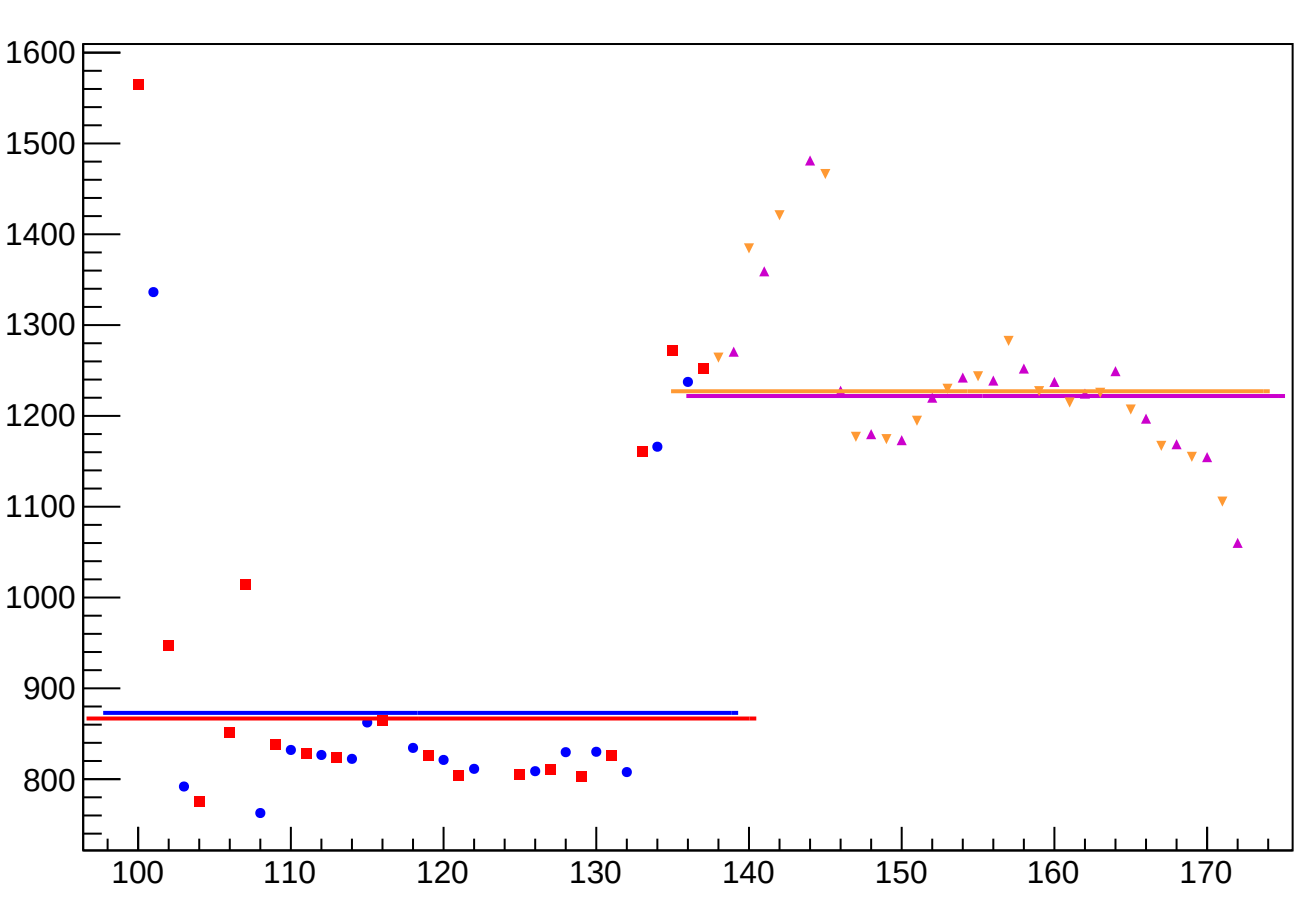
Left: 176.421+/-234.220 χ^2/NDF: 59.5/33

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -358.412+/-232.312 χ^2/NDF:23.0/32

Out: 398.024+/-234.609 χ^2/NDF:68.2/34

All: 16.085+/-165.075 χ^2/NDF: 96.4/67



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1227.139+/-0.237 χ^2/NDF:124104.1/16

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: 1224.445+/-0.166 χ^2/NDF: 255414.6/33

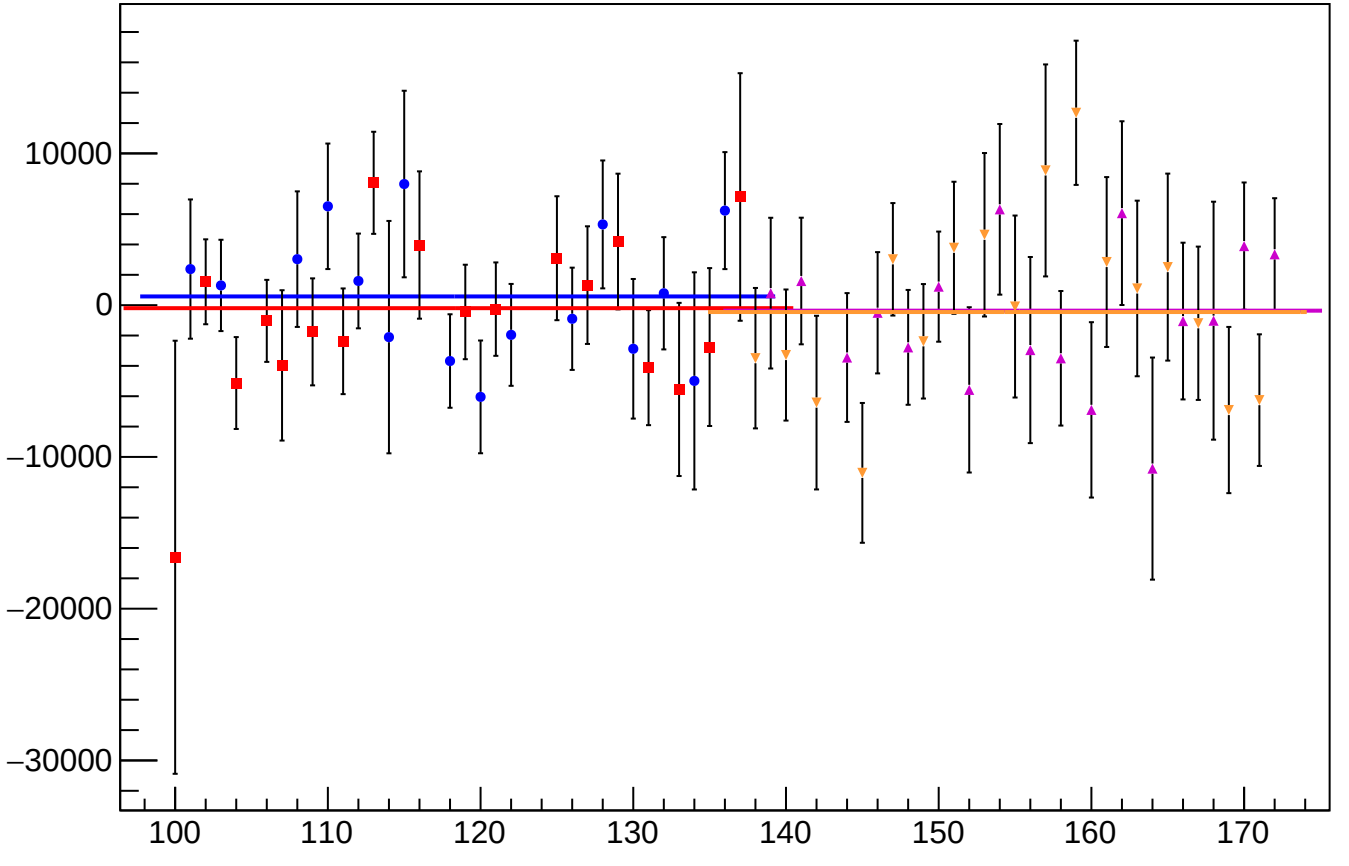
Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1049.063+/-0.164 χ^2/NDF:1675951.9/32

Out: 1042.671+/-0.166 χ^2/NDF:1594721.8/34

All: 1045.897+/-0.117 χ^2/NDF: 3271423.9/67

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: -451.945+/-1182.759 χ^2/NDF:23.5/16

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: -362.112+/-1143.600 χ^2/NDF:10.9/16

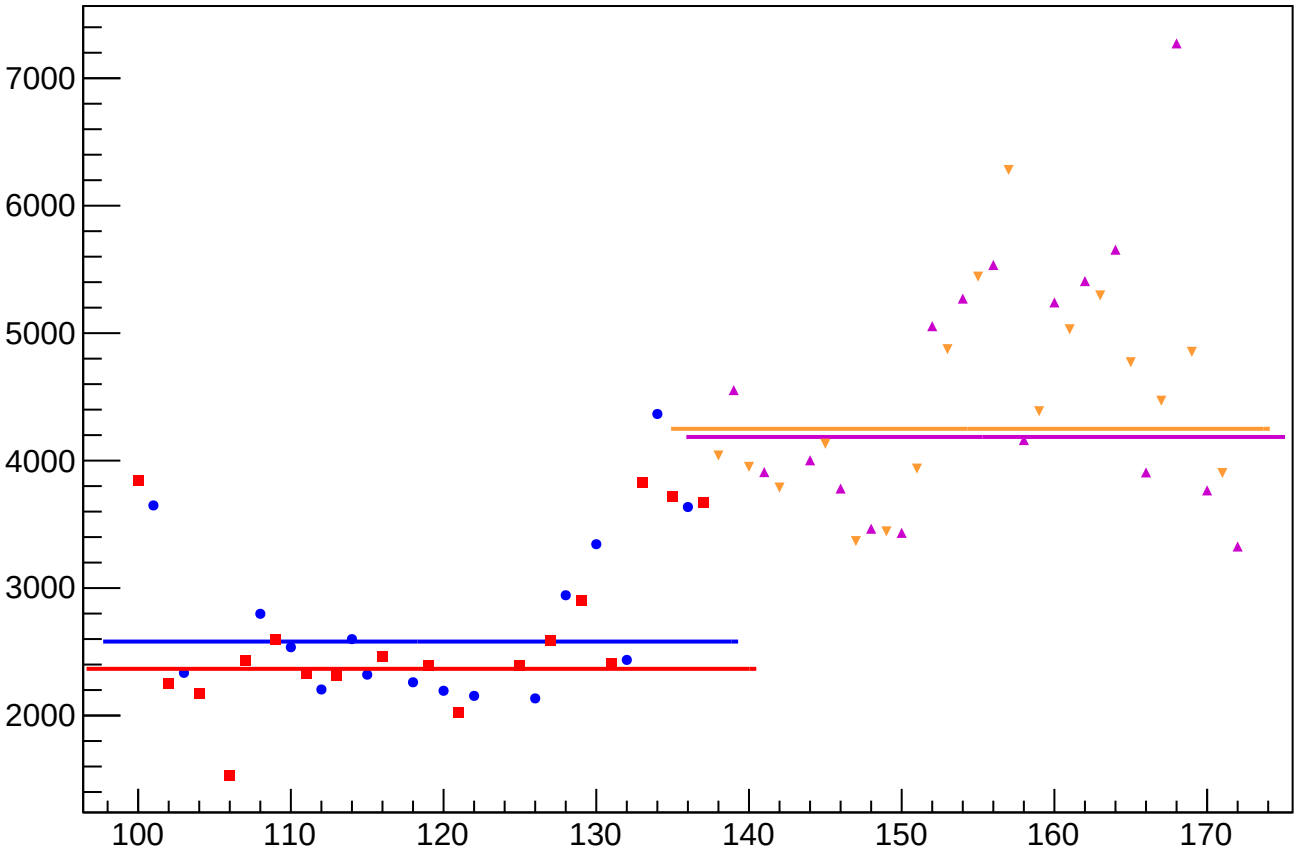
Left: -405.517+/-822.142 χ^2/NDF: 34.4/33

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 176.088+/-746.277 χ^2/NDF:26.0/32

Out: -290.320+/-713.249 χ^2/NDF:40.7/34

All: -67.665+/-515.624 χ^2/NDF: 66.9/67



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4249.586+/-0.836 χ^2/NDF:678879.5/16

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4185.522+/-0.809 χ^2/NDF:1097771.1/16

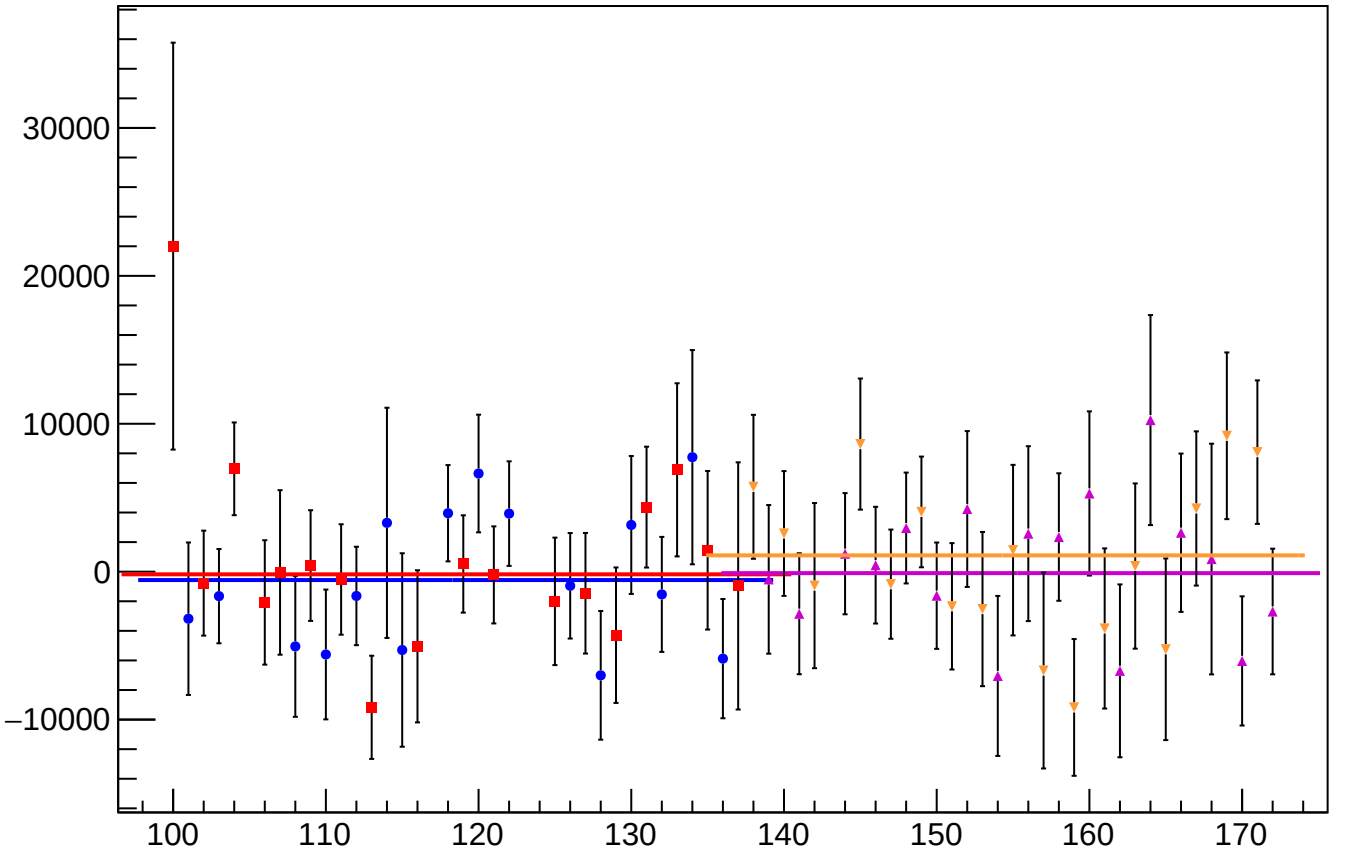
Left: 4216.476+/-0.581 χ^2/NDF: 1779683.1/33

Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 3263.916+/-0.528 χ^2/NDF:3977202.6/32

Out: 3051.235+/-0.504 χ^2/NDF:4516946.2/34

All: 3152.765+/-0.365 χ^2/NDF: 8579041.7/67



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 1103.738+/-1177.761 χ^2/NDF:18.8/16

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: 485.169+/-820.270 χ^2/NDF: 30.5/33

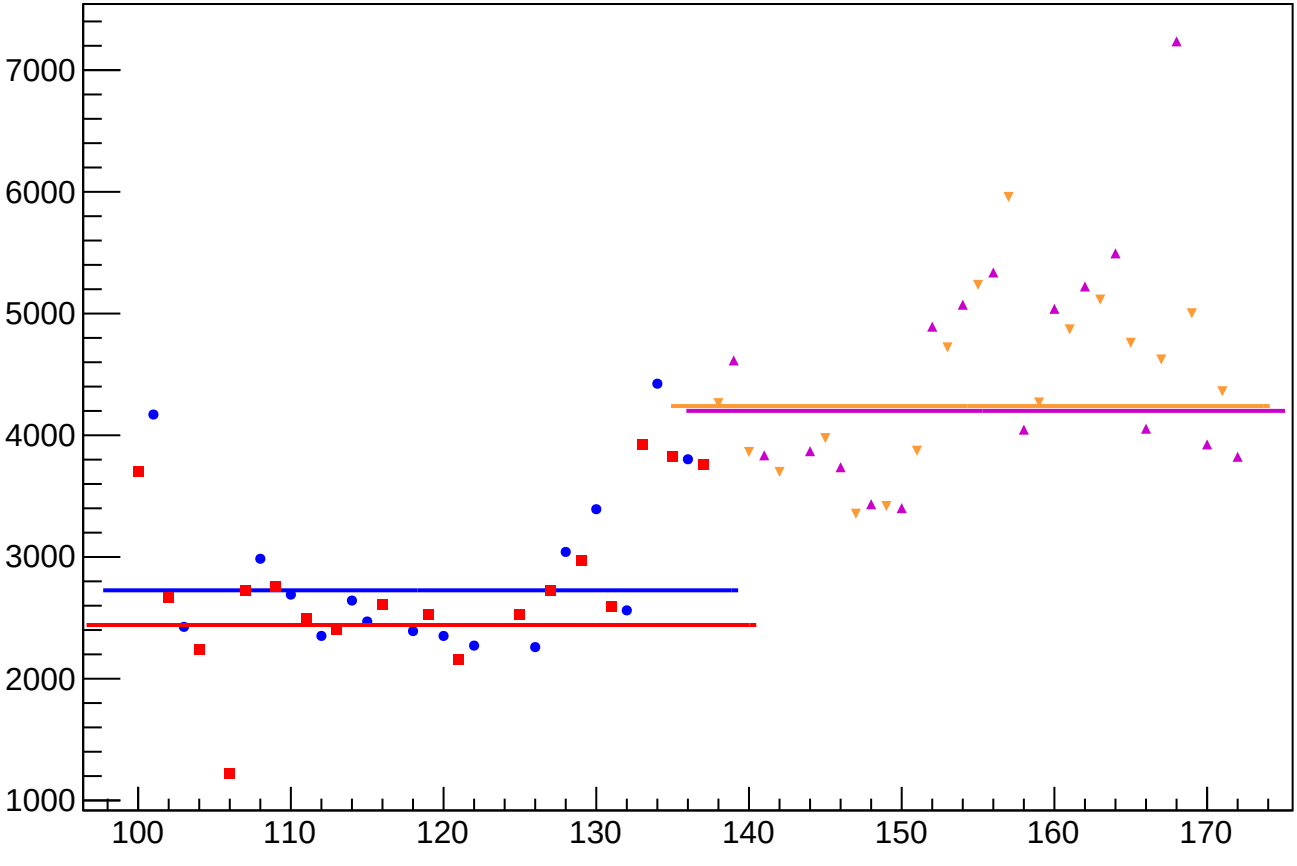
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -353.814+/-769.387 χ^2/NDF:27.4/32

Out: 351.323+/-757.110 χ^2/NDF:39.0/34

All: 4.425+/-539.646 χ^2/NDF: 66.9/67

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4240.178+/-0.833 χ^2/NDF:618275.0/16

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4200.573+/-0.808 χ^2/NDF:917320.2/16

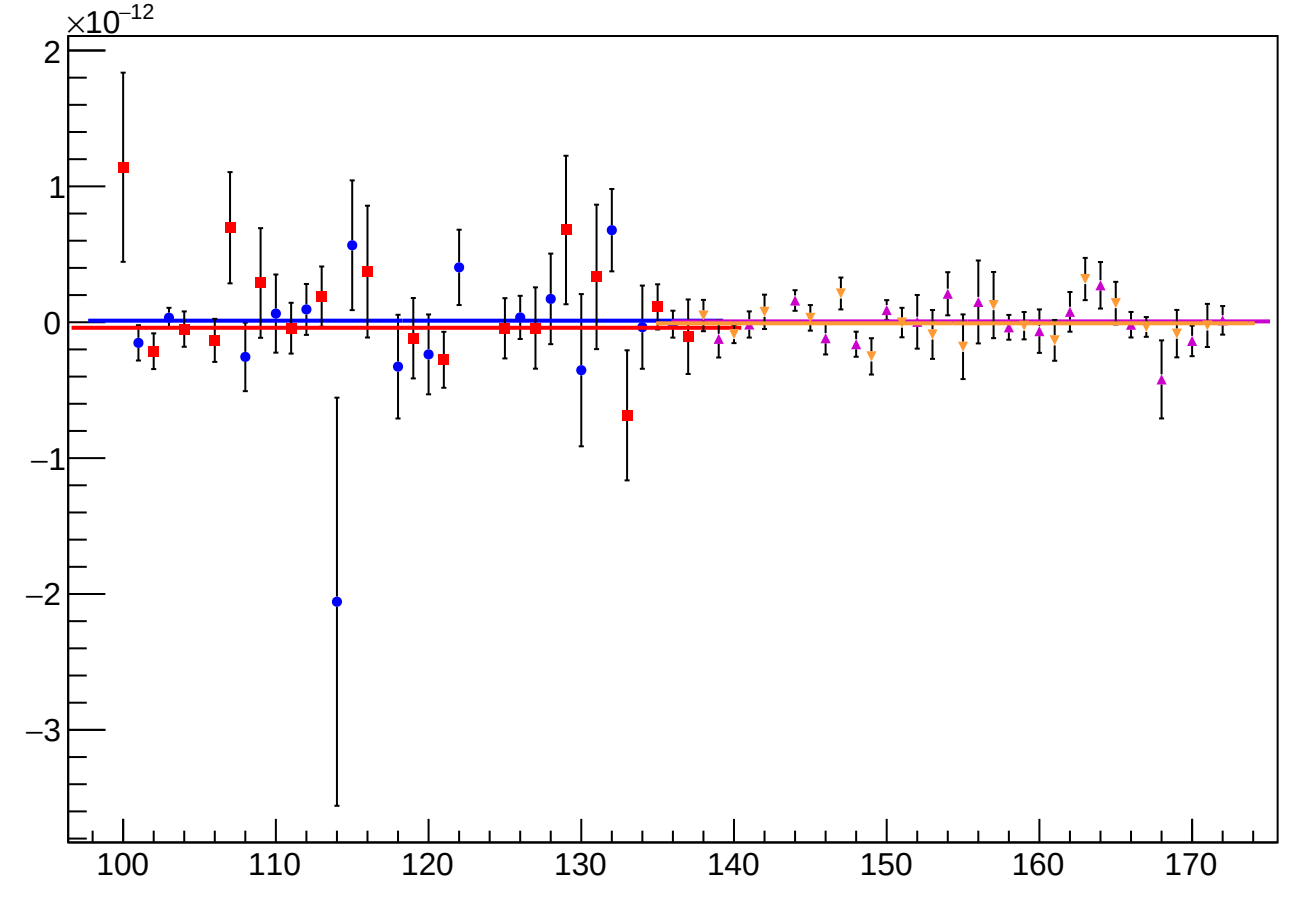
Left: 4219.784+/-0.580 χ^2/NDF: 1536759.8/33

Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3394.155+/-0.544 χ^2/NDF:3360216.5/32

Out: 3144.237+/-0.521 χ^2/NDF:4351832.2/34

All: 3263.692+/-0.376 χ^2/NDF: 7822209.7/67



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/16

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/17

Left In: 0.000+/-0.000 χ^2/NDF:19.6/16

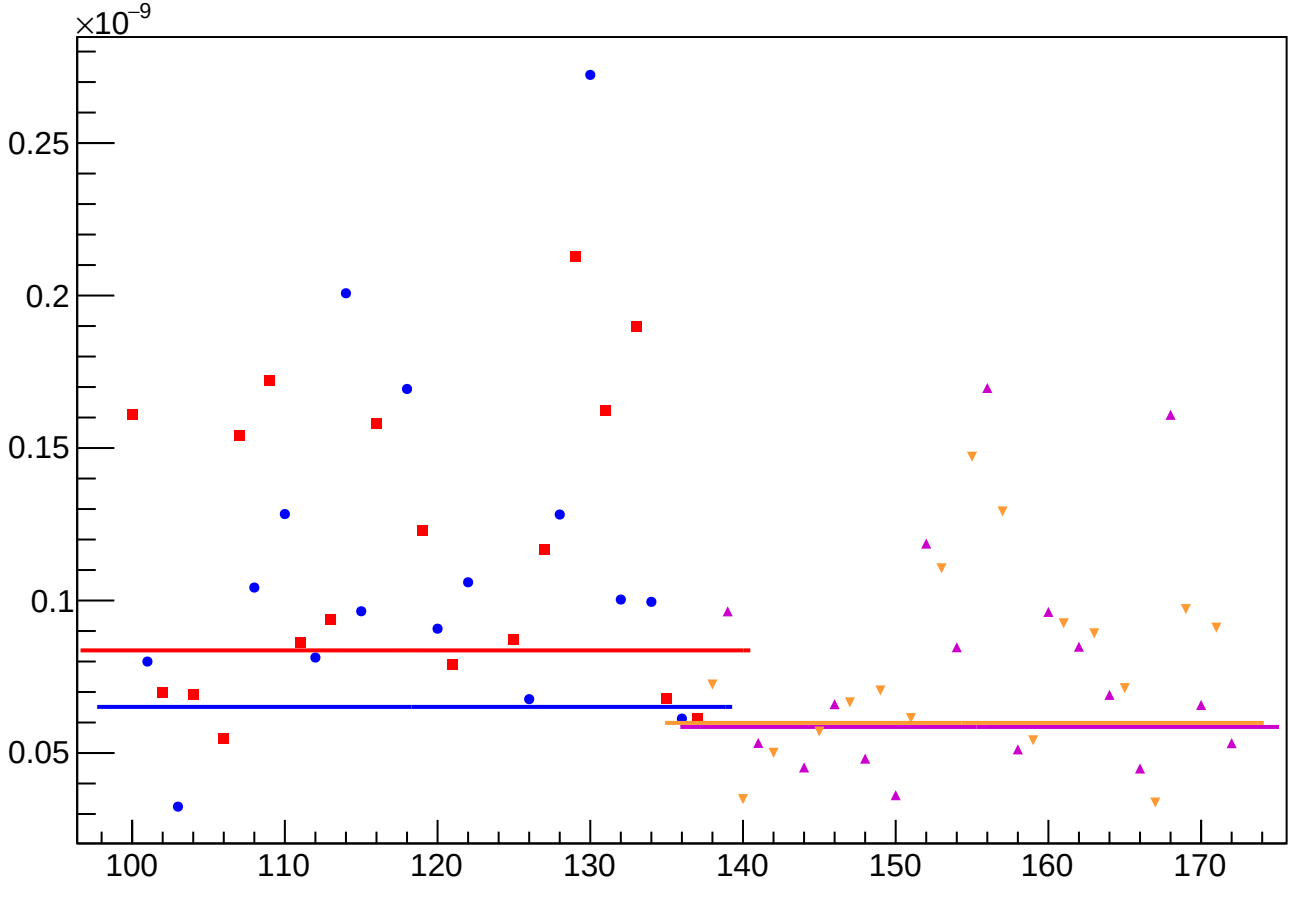
Left: -0.000+/-0.000 χ^2/NDF: 36.2/33

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:35.0/32

Out: -0.000+/-0.000 χ^2/NDF:33.8/34

All: -0.000+/-0.000 χ^2/NDF: 69.2/67



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1537200.9/16

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1450647.9/16

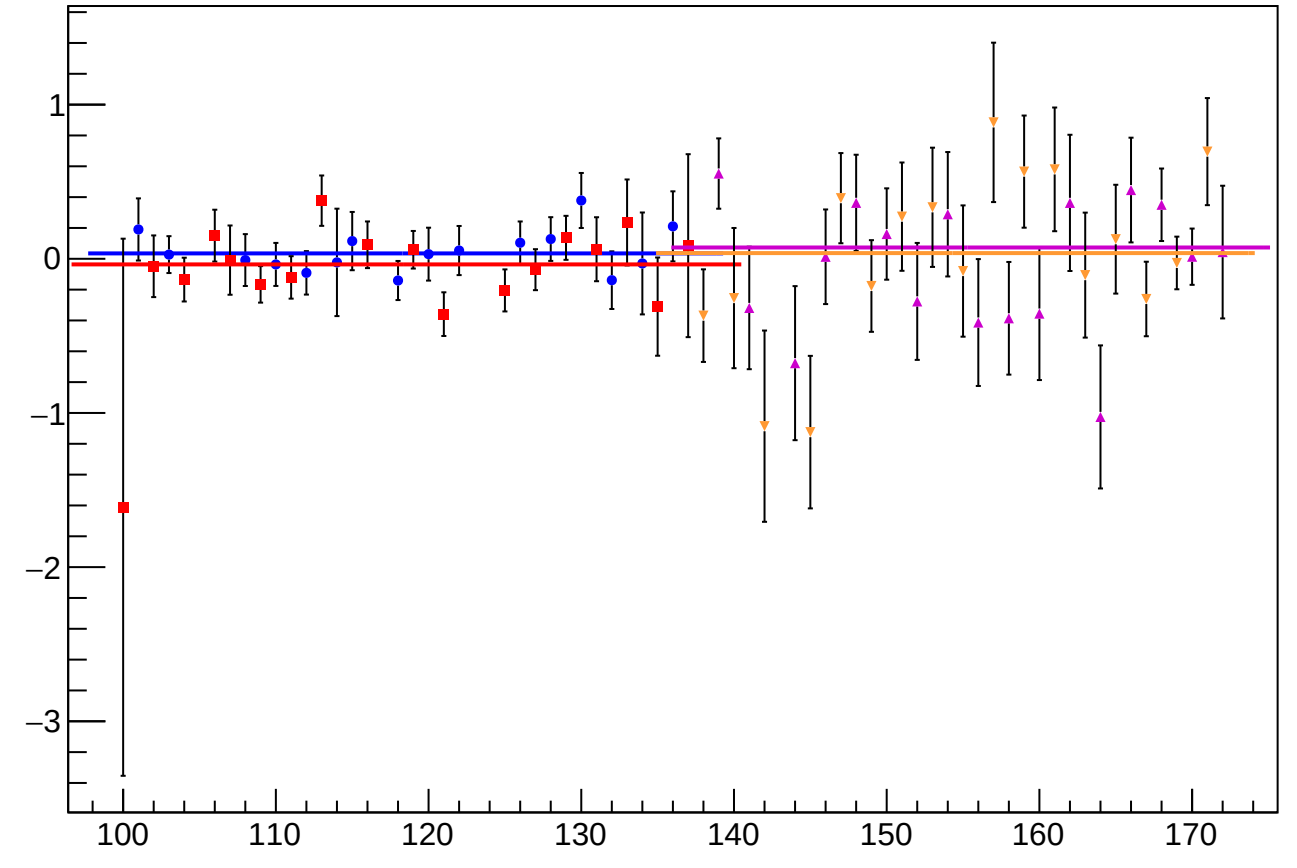
Left: 0.000+/-0.000 χ^2/NDF: 2990100.8/33

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:2538496.5/34

All: 0.000+/-0.000 χ^2/NDF: 5281979.5/67



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.037+/-0.080 χ^2/NDF:26.2/16

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.073+/-0.078 χ^2/NDF:22.5/16

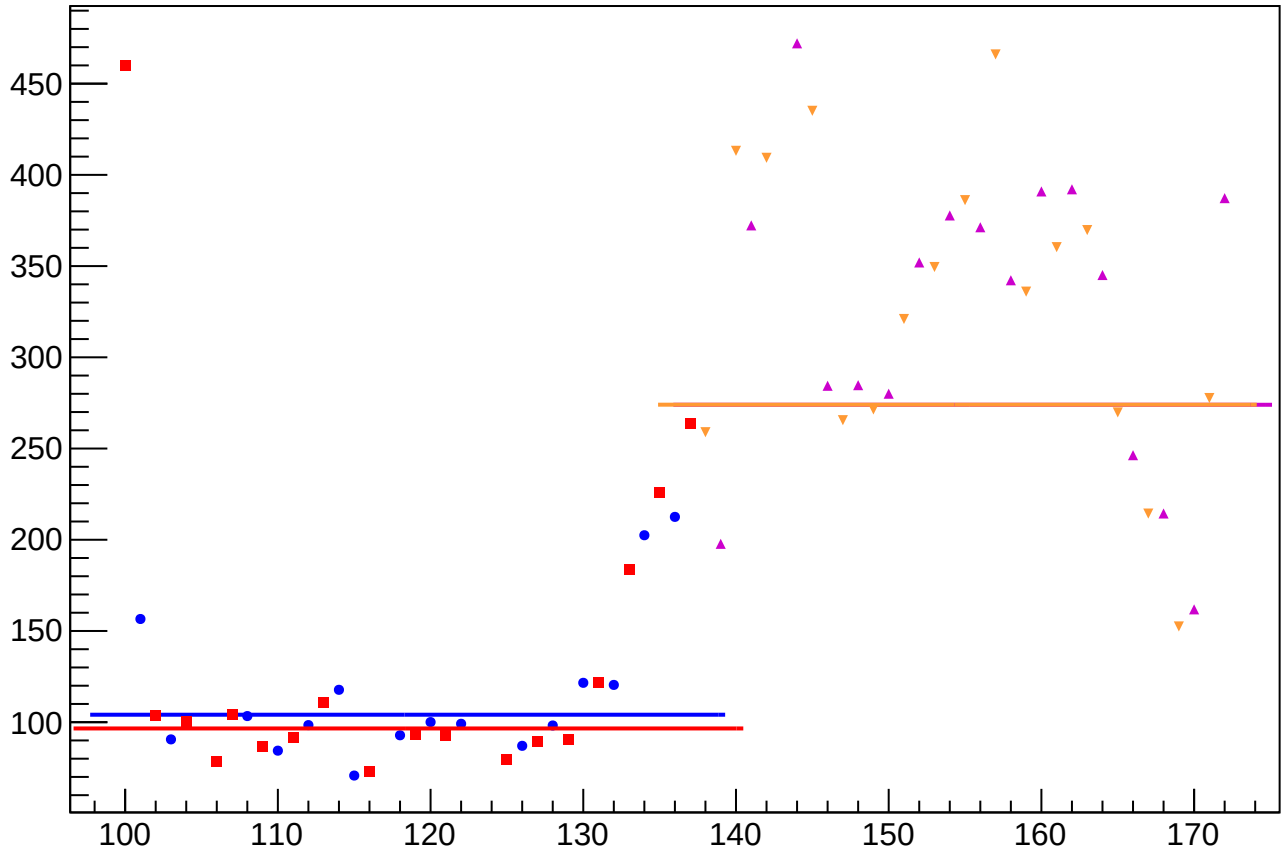
Left: 0.056+/-0.056 χ^2/NDF: 48.8/33

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.043+/-0.036 χ^2/NDF:32.4/32

Out: -0.022+/-0.035 χ^2/NDF:48.9/34

All: 0.009+/-0.025 χ^2/NDF: 83.1/67



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 274.034+/-0.056 χ^2/NDF:2426059.5/16

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 273.986+/-0.055 χ^2/NDF:2436479.1/16

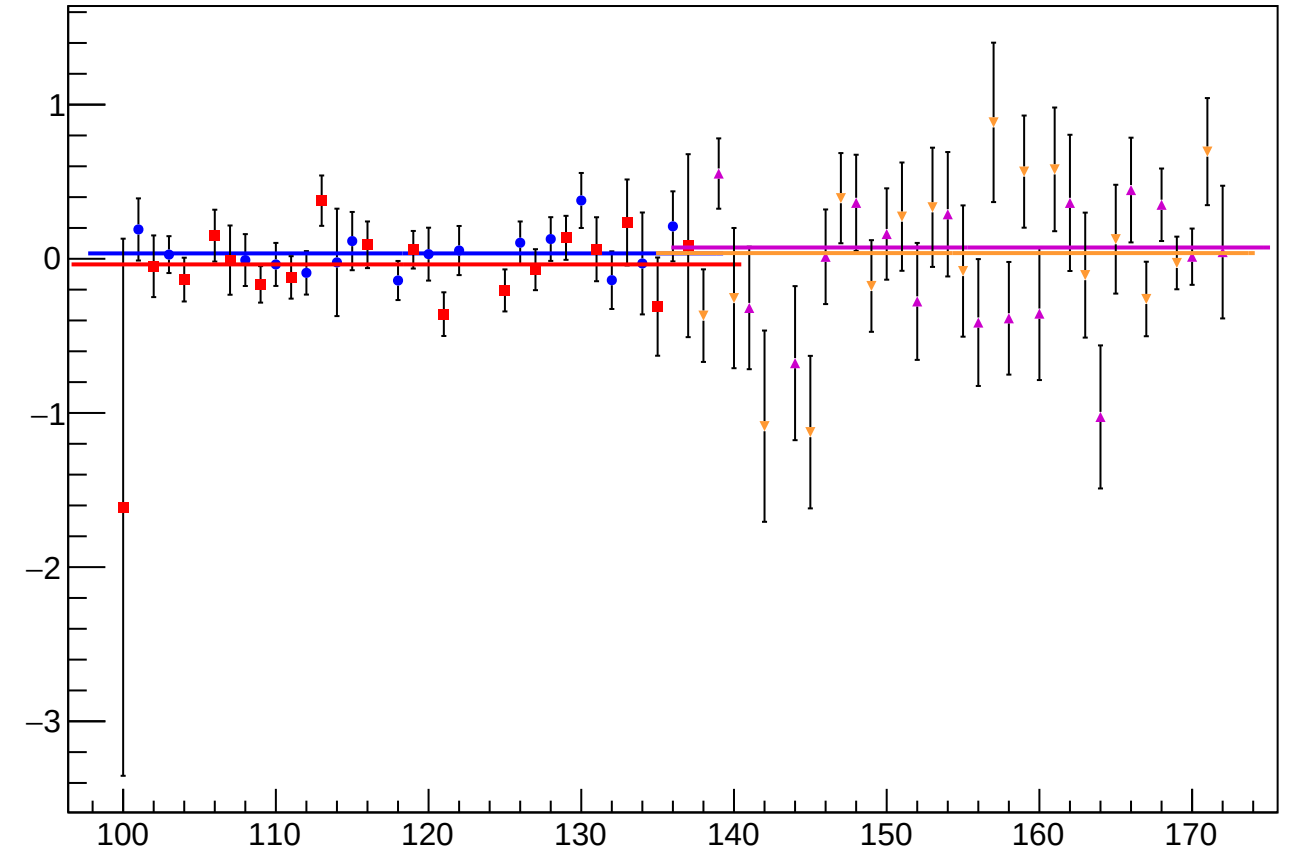
Left: 274.010+/-0.039 χ^2/NDF: 4862538.9/33

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 141.146+/-0.026 χ^2/NDF:10903184.0/32

Out: 130.682+/-0.025 χ^2/NDF:11382948.6/34

All: 135.720+/-0.018 χ^2/NDF: 22372393.6/67



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.037+/-0.080 χ^2/NDF:26.2/16

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: 0.056+/-0.056 χ^2/NDF: 48.8/33

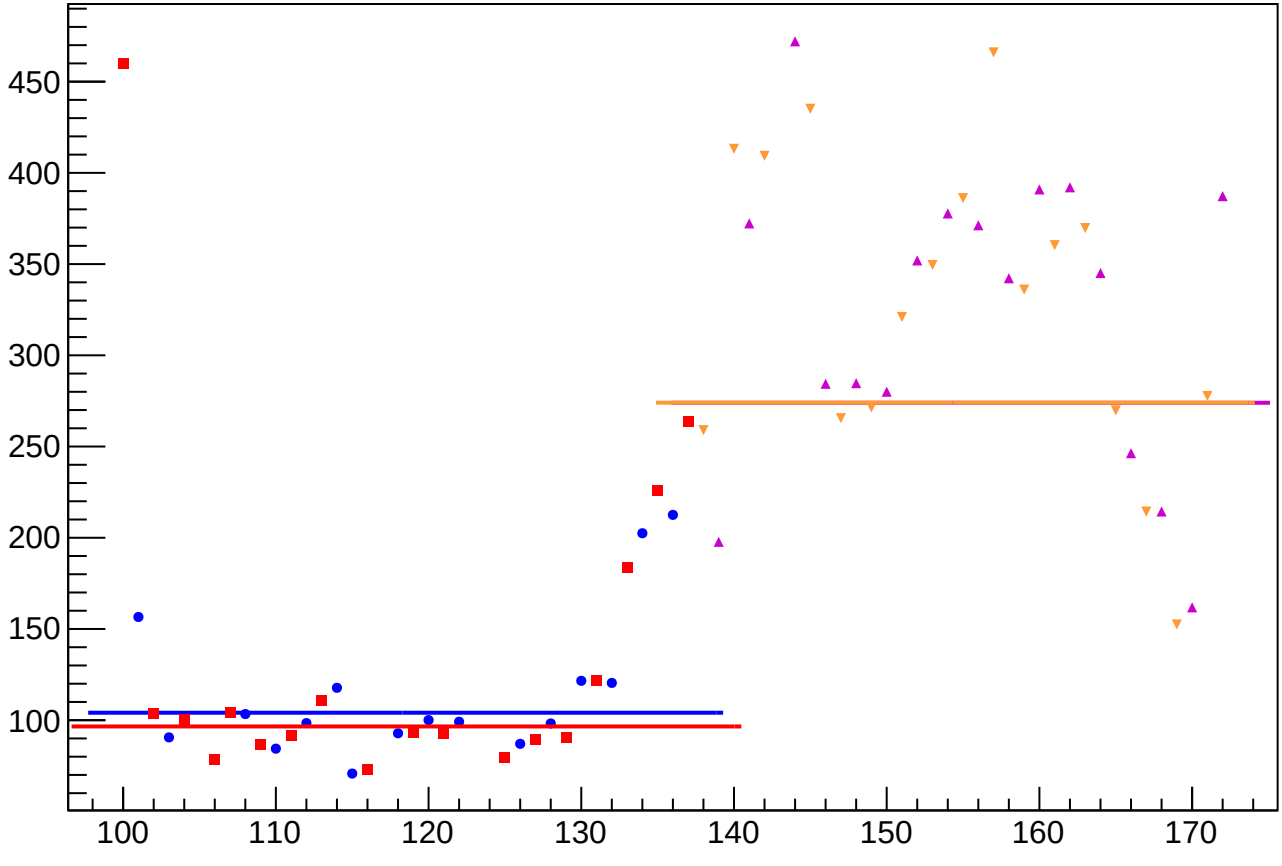
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.043+/-0.036 χ^2/NDF:32.4/32

Out: -0.022+/-0.035 χ^2/NDF:48.9/34

All: 0.009+/-0.025 χ^2/NDF: 83.1/67

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: 274.034+/-0.056 χ^2/NDF:2426059.5/16

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 273.986+/-0.055 χ^2/NDF:2436479.1/16

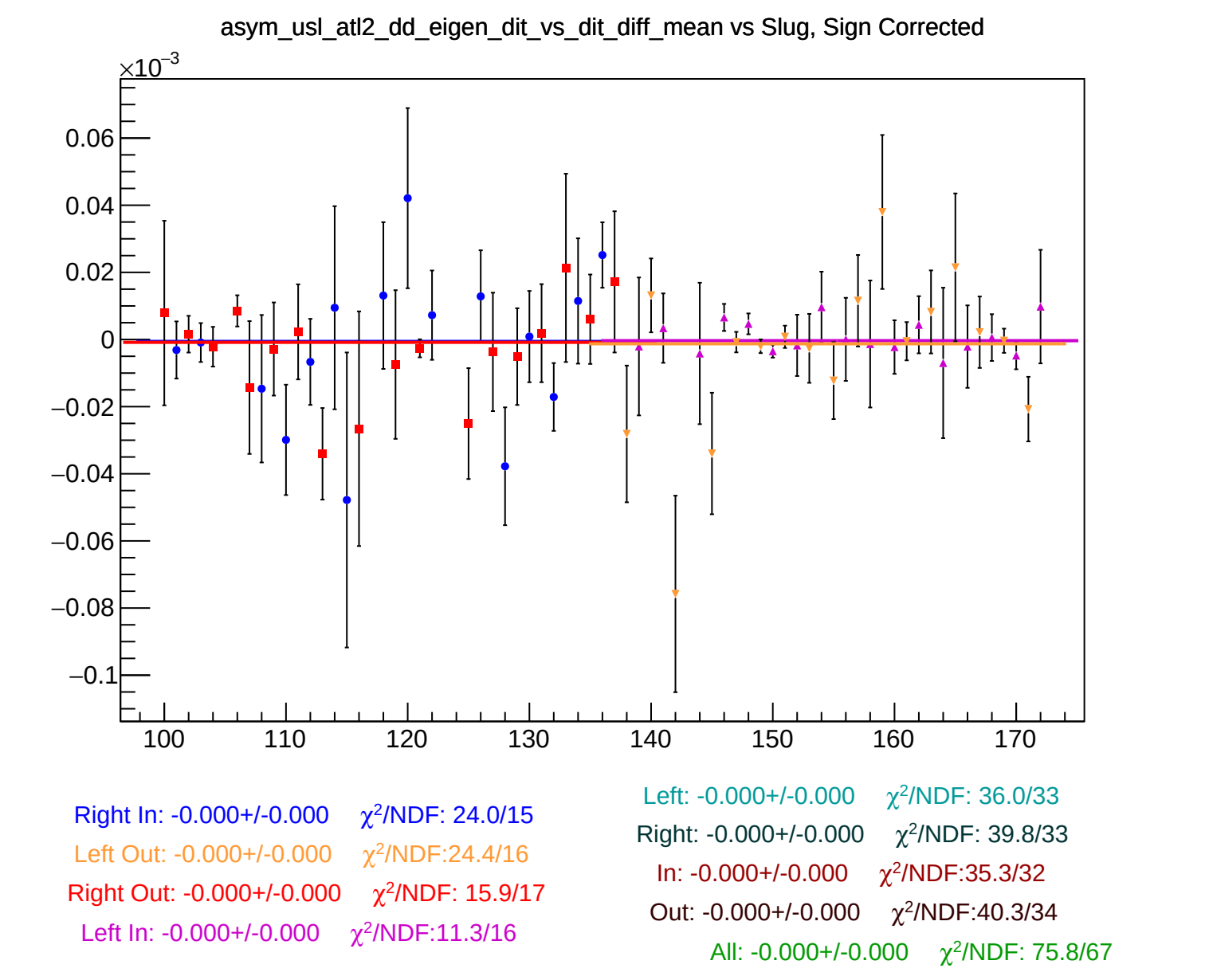
Left: 274.010+/-0.039 χ^2/NDF: 4862538.9/33

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

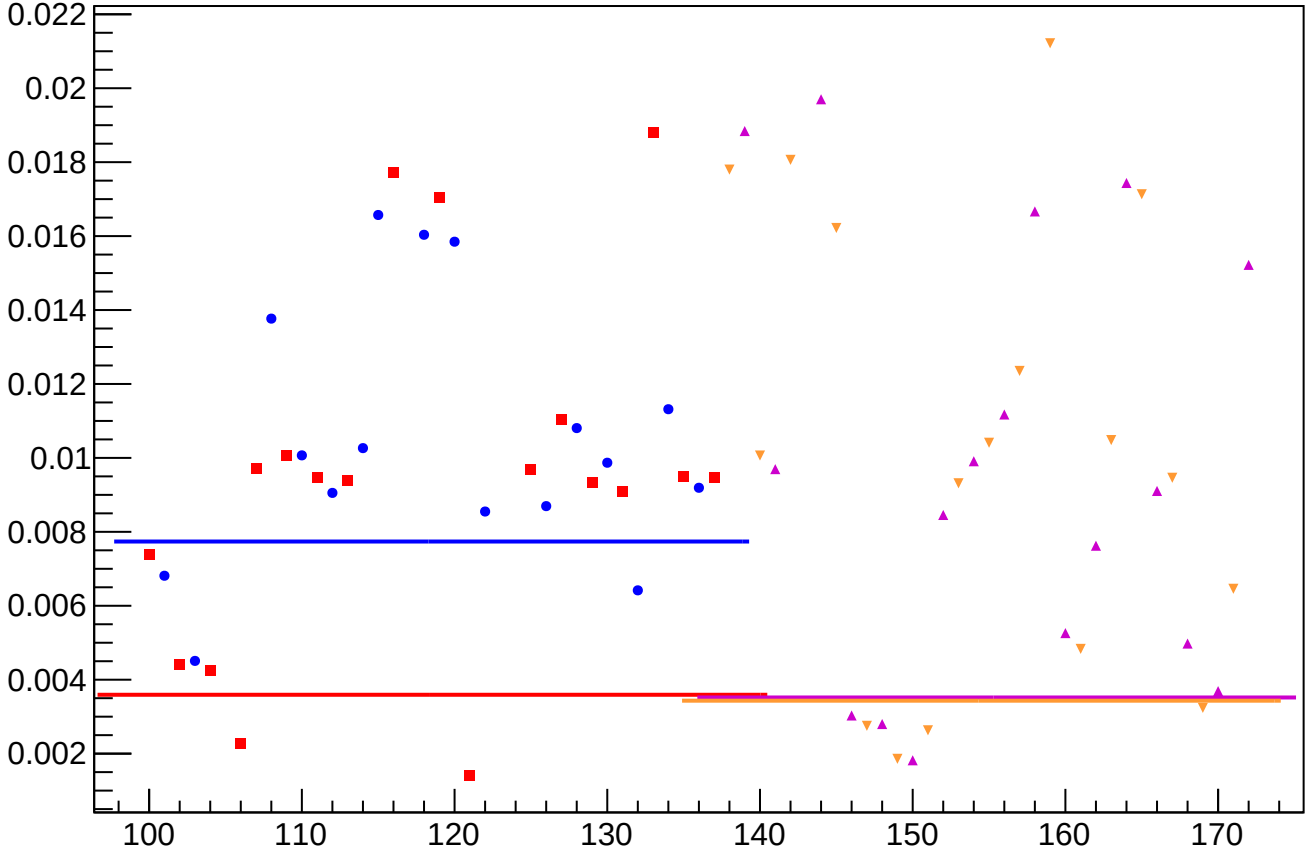
In: 141.146+/-0.026 χ^2/NDF:10903184.0/32

Out: 130.682+/-0.025 χ^2/NDF:11382948.6/34

All: 135.720+/-0.018 χ^2/NDF: 22372393.6/67


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 24.0/15
Left Out: -0.000+/-0.000 χ²/NDF:24.4/16
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/17
Left In: -0.000+/-0.000 χ²/NDF:11.3/16
Left: -0.000+/-0.000 χ²/NDF: 36.0/33
Right: -0.000+/-0.000 χ²/NDF: 39.8/33
In: -0.000+/-0.000 χ²/NDF:35.3/32
Out: -0.000+/-0.000 χ²/NDF:40.3/34
All: -0.000+/-0.000 χ²/NDF: 75.8/67

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:10474933.3/16

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.004+/-0.000 χ^2/NDF:10545615.8/16

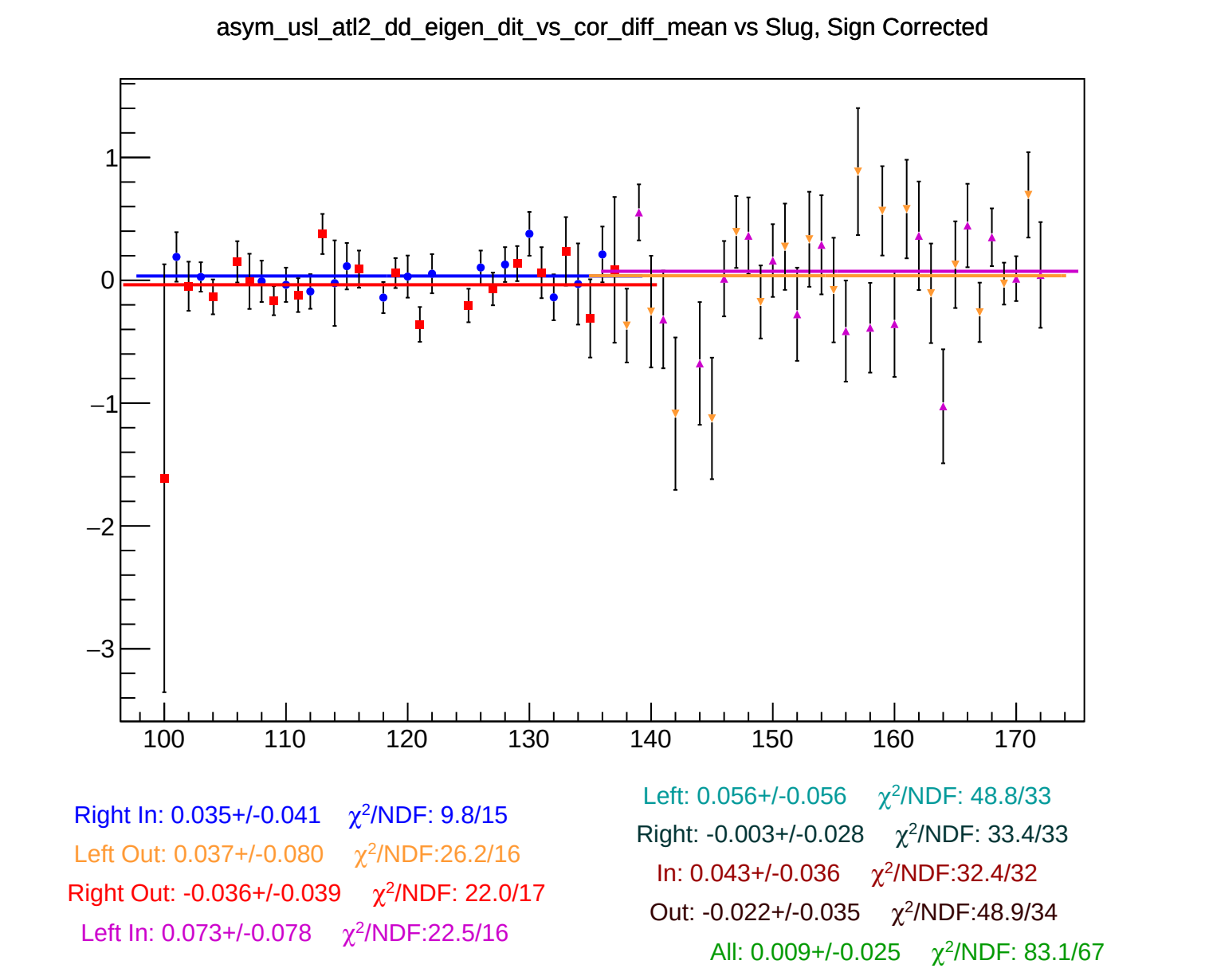
Left: 0.003+/-0.000 χ^2/NDF: 21025126.0/33

Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

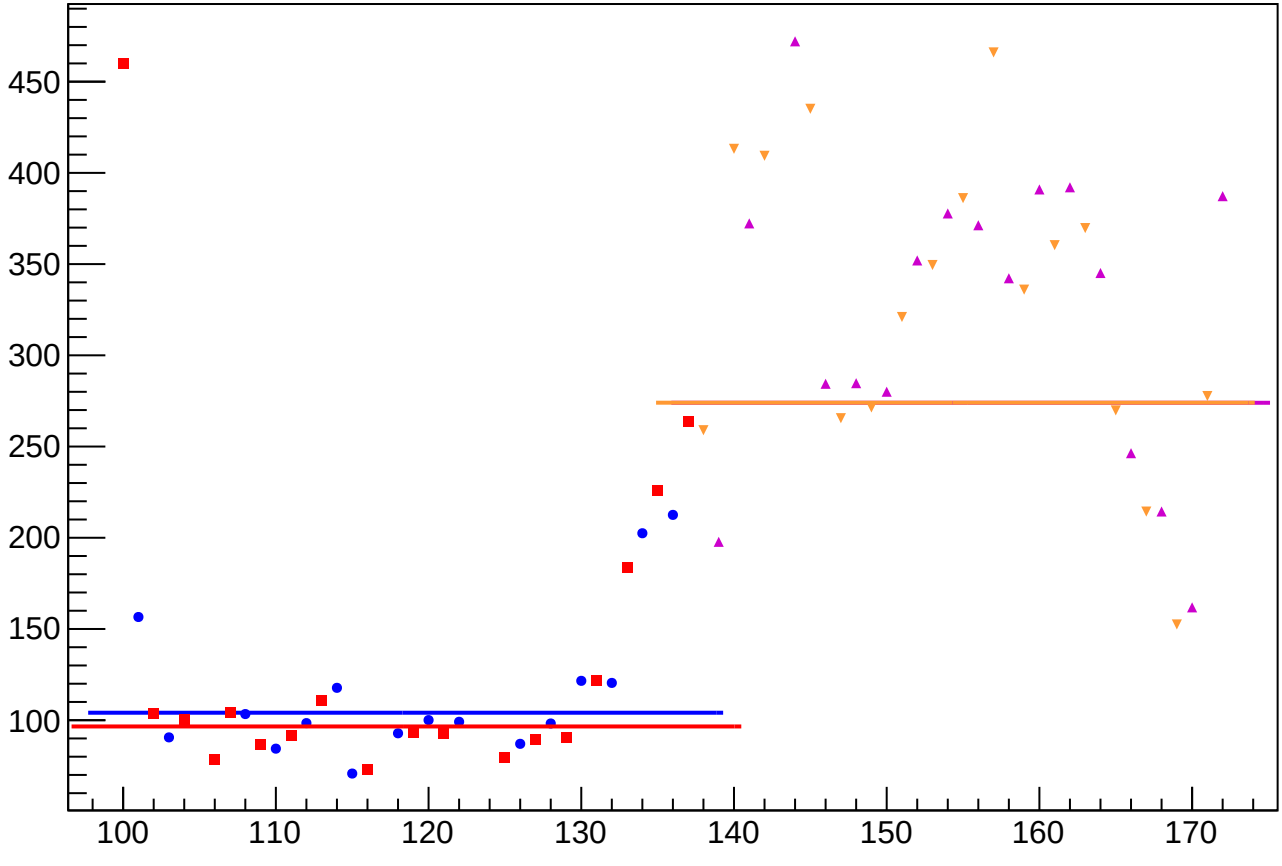
In: 0.004+/-0.000 χ^2/NDF:15384853.1/32

Out: 0.003+/-0.000 χ^2/NDF:16850026.1/34

All: 0.004+/-0.000 χ^2/NDF: 32573719.1/67


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: 0.035+/-0.041 χ²/NDF: 9.8/15
Left Out: 0.037+/-0.080 χ²/NDF:26.2/16
Right Out: -0.036+/-0.039 χ²/NDF: 22.0/17
Left In: 0.073+/-0.078 χ²/NDF:22.5/16
Left: 0.056+/-0.056 χ²/NDF: 48.8/33
Right: -0.003+/-0.028 χ²/NDF: 33.4/33
In: 0.043+/-0.036 χ²/NDF:32.4/32
Out: -0.022+/-0.035 χ²/NDF:48.9/34
All: 0.009+/-0.025 χ²/NDF: 83.1/67

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 274.036+/-0.056 χ^2/NDF:2426147.0/16

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 273.990+/-0.055 χ^2/NDF:2436454.7/16

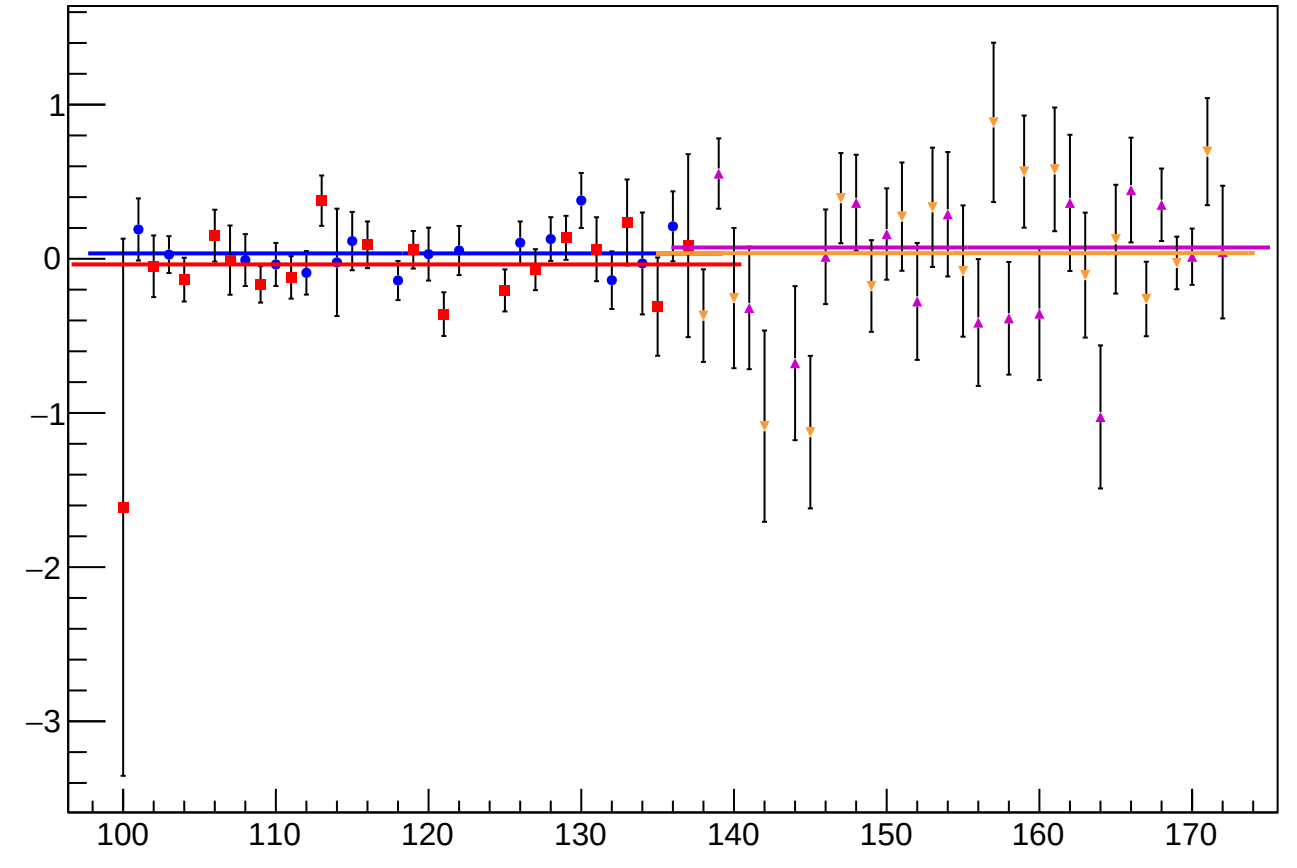
Left: 274.012+/-0.039 χ^2/NDF: 4862602.0/33

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 141.147+/-0.026 χ^2/NDF:10903180.6/32

Out: 130.683+/-0.025 χ^2/NDF:11382900.0/34

All: 135.721+/-0.018 χ^2/NDF: 22372333.4/67



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.037+/-0.080 χ^2/NDF:26.2/16

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: 0.056+/-0.056 χ^2/NDF: 48.8/33

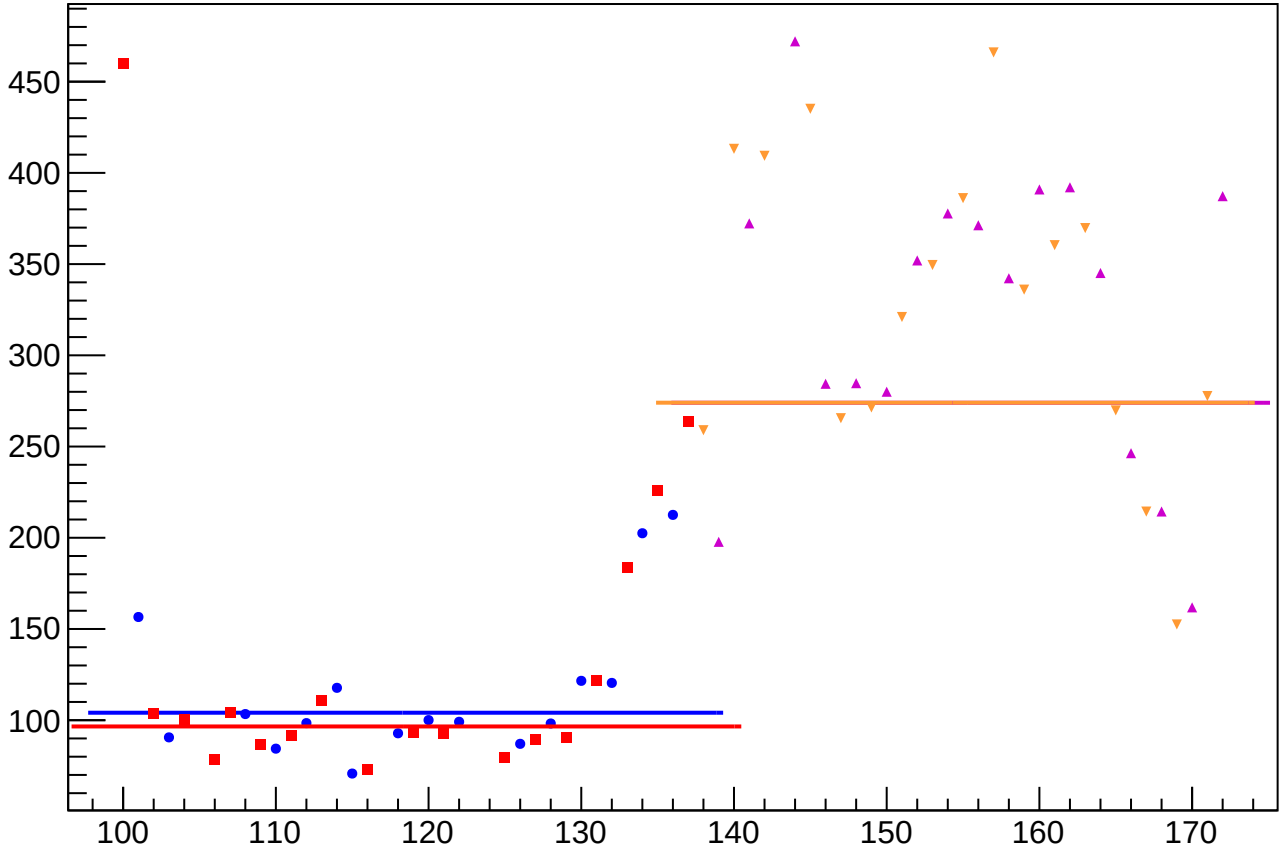
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.043+/-0.036 χ^2/NDF:32.4/32

Out: -0.022+/-0.035 χ^2/NDF:48.9/34

All: 0.009+/-0.025 χ^2/NDF: 83.1/67

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: 274.036+/-0.056 χ^2/NDF:2426147.0/16

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 273.990+/-0.055 χ^2/NDF:2436454.7/16

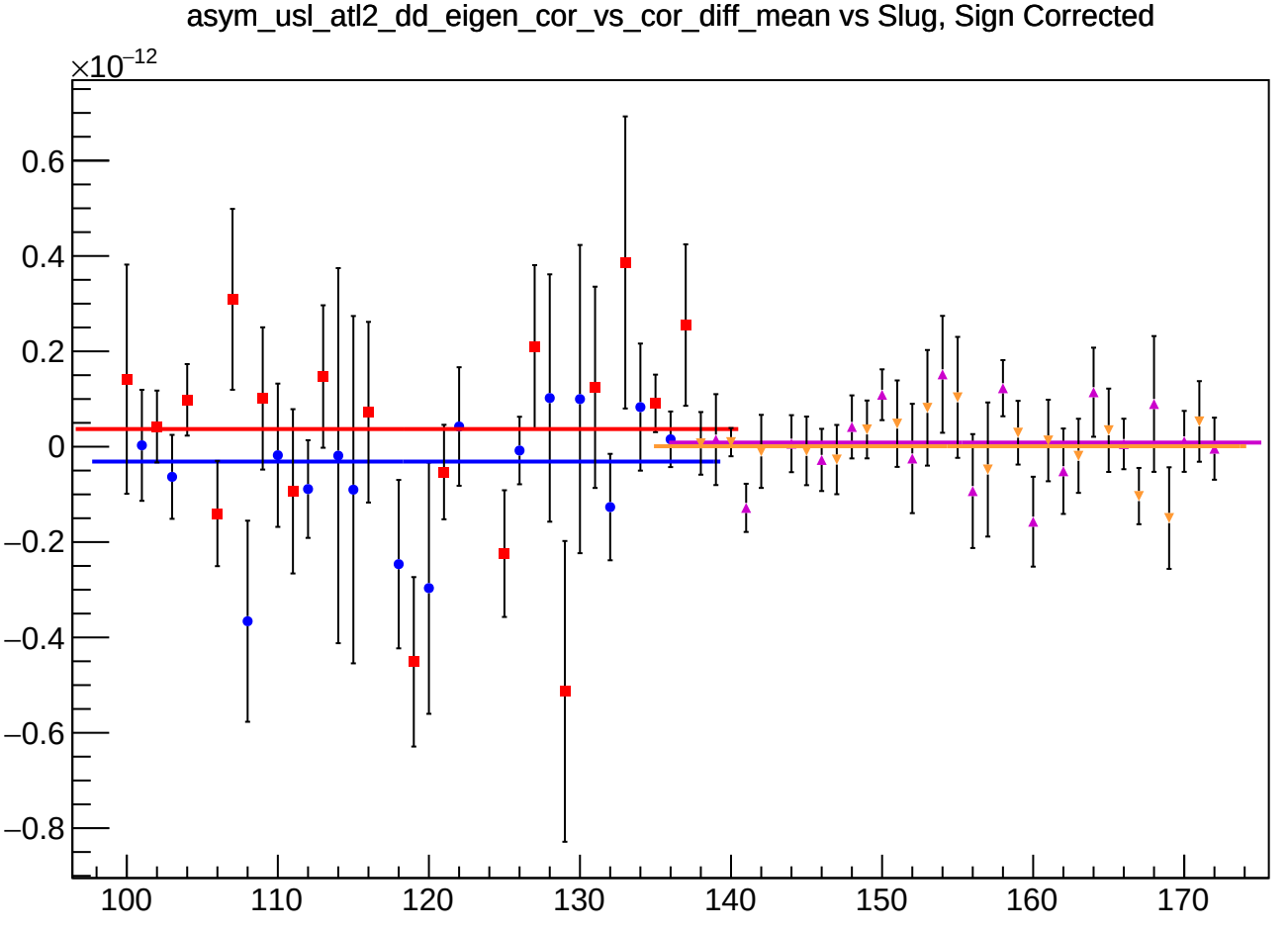
Left: 274.012+/-0.039 χ^2/NDF: 4862602.0/33

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 141.147+/-0.026 χ^2/NDF:10903180.6/32

Out: 130.683+/-0.025 χ^2/NDF:11382900.0/34

All: 135.721+/-0.018 χ^2/NDF: 22372333.4/67



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/16

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: 30.7/33

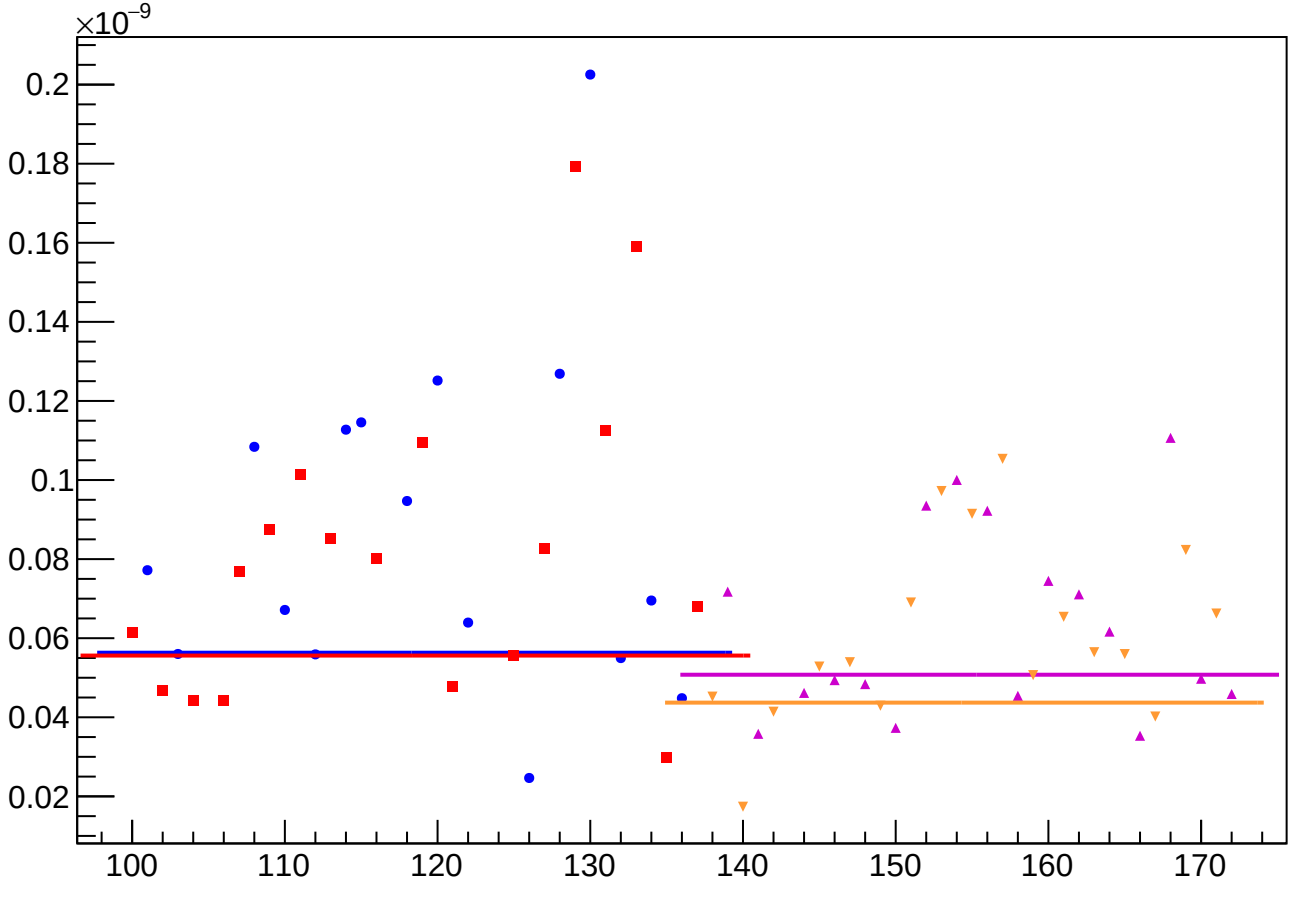
Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:32.5/32

Out: 0.000+/-0.000 χ^2/NDF:36.3/34

All: 0.000+/-0.000 χ^2/NDF: 69.1/67

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3525265.4/16

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: 5764875.2/33

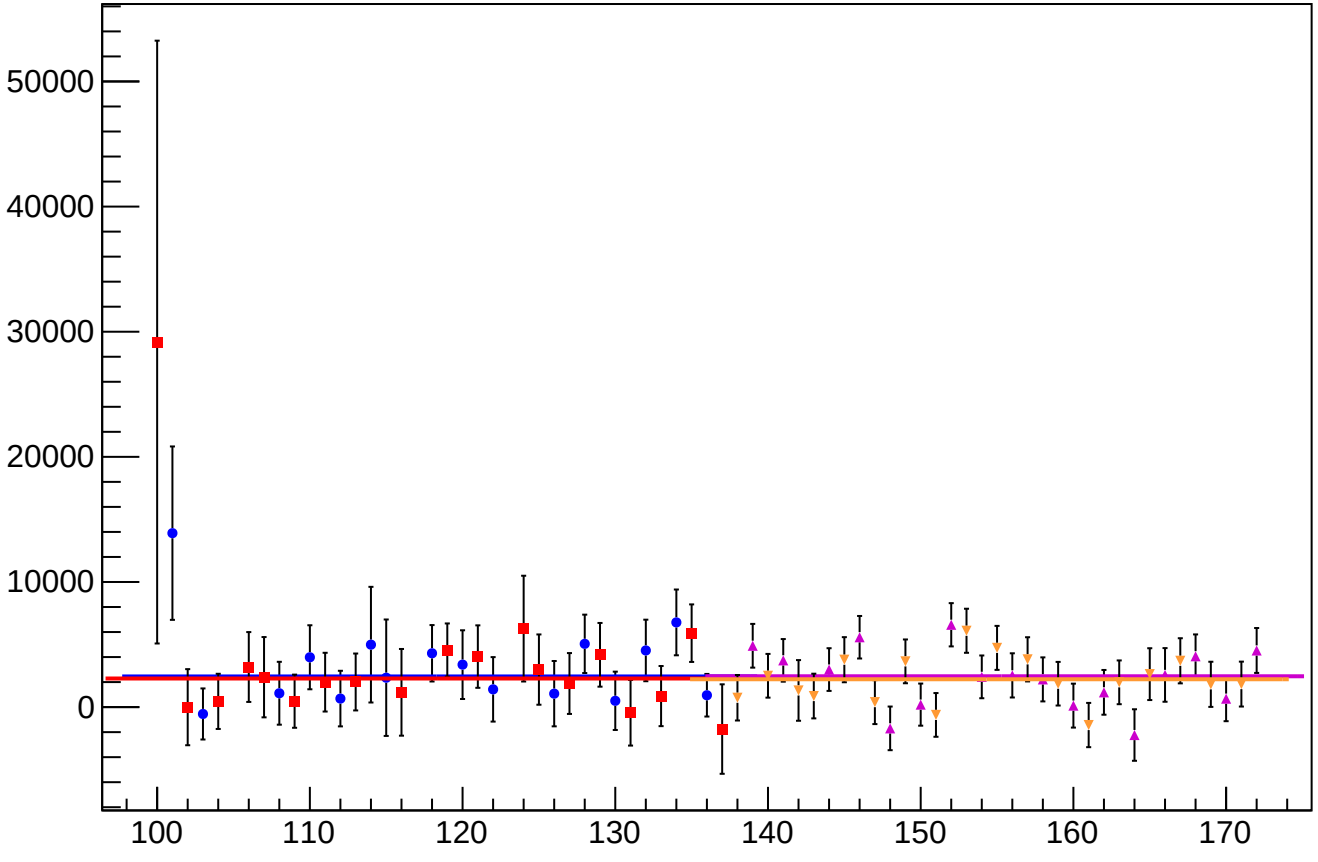
Right: 0.000+/-0.000 χ^2/NDF: 3350763.8/33

In: 0.000+/-0.000 χ^2/NDF:3701182.7/32

Out: 0.000+/-0.000 χ^2/NDF:5550431.8/34

All: 0.000+/-0.000 χ^2/NDF: 9394441.4/67

reg_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2226.851+/-426.343 χ^2/NDF:19.4/17

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 2464.782+/-430.182 χ^2/NDF:29.8/16

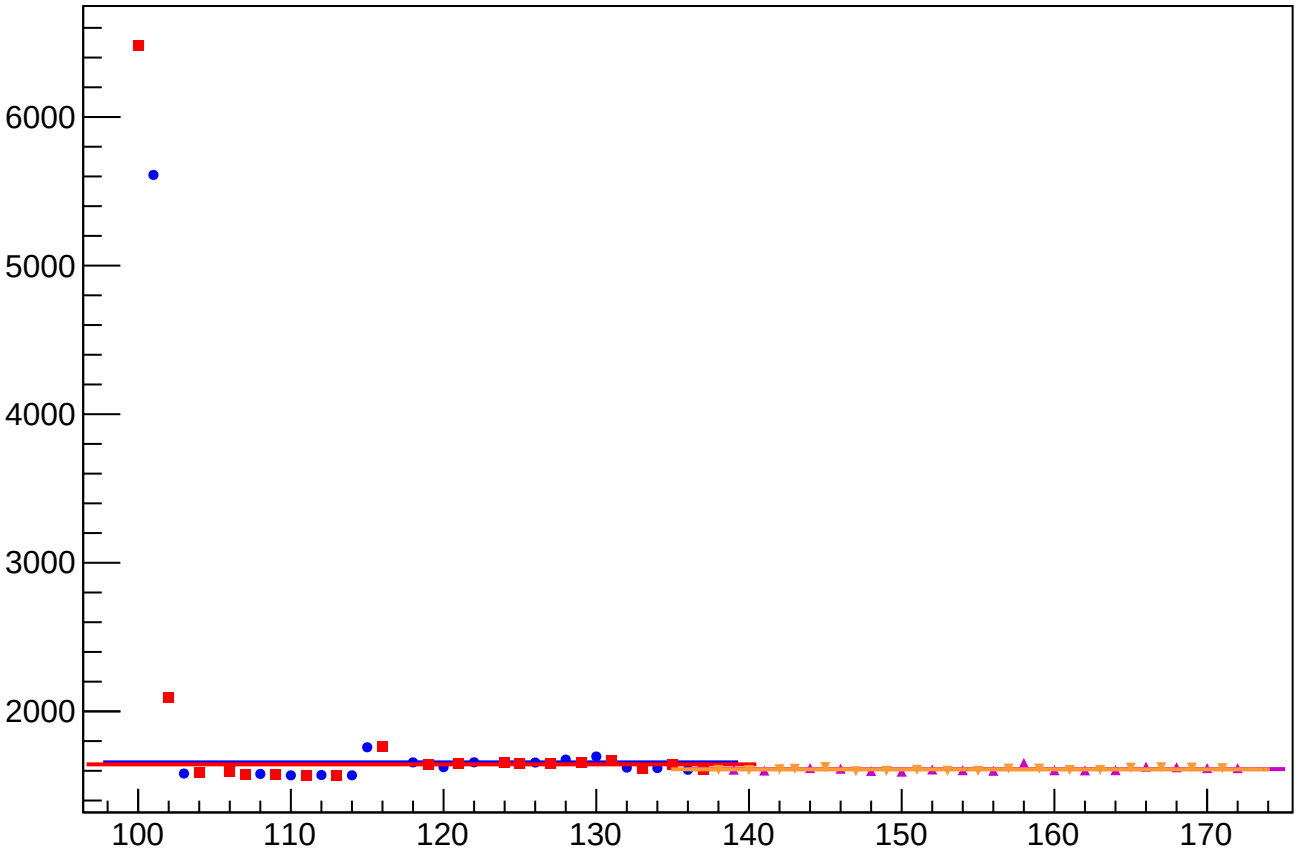
Left: 2344.750+/-302.818 χ^2/NDF: 49.4/34

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2460.070+/-355.303 χ^2/NDF:43.7/32

Out: 2246.487+/-349.292 χ^2/NDF:31.2/36

All: 2351.457+/-249.085 χ^2/NDF: 75.1/69



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1609.966+/-0.301 χ^2/NDF:834.0/17

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1611.569+/-0.304 χ^2/NDF:2016.9/16

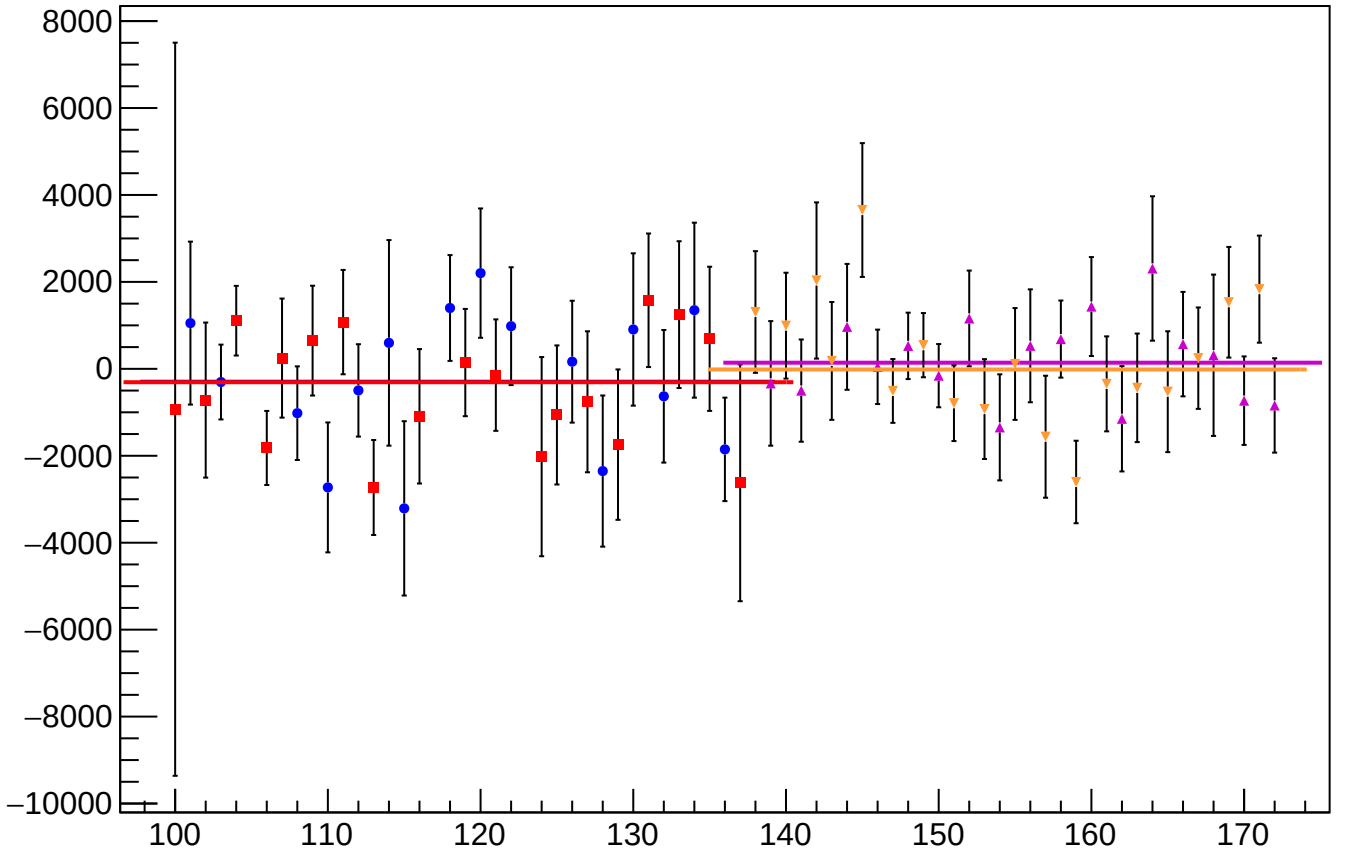
Left: 1610.761+/-0.214 χ^2/NDF: 2865.0/34

Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1625.908+/-0.251 χ^2/NDF:675234.1/32

Out: 1620.969+/-0.247 χ^2/NDF:141883.1/36

All: 1623.396+/-0.176 χ^2/NDF: 817313.7/69



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -14.373+/-262.969 χ^2/NDF:23.8/17

Right Out: -307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: 141.256+/-261.475 χ^2/NDF:9.8/16

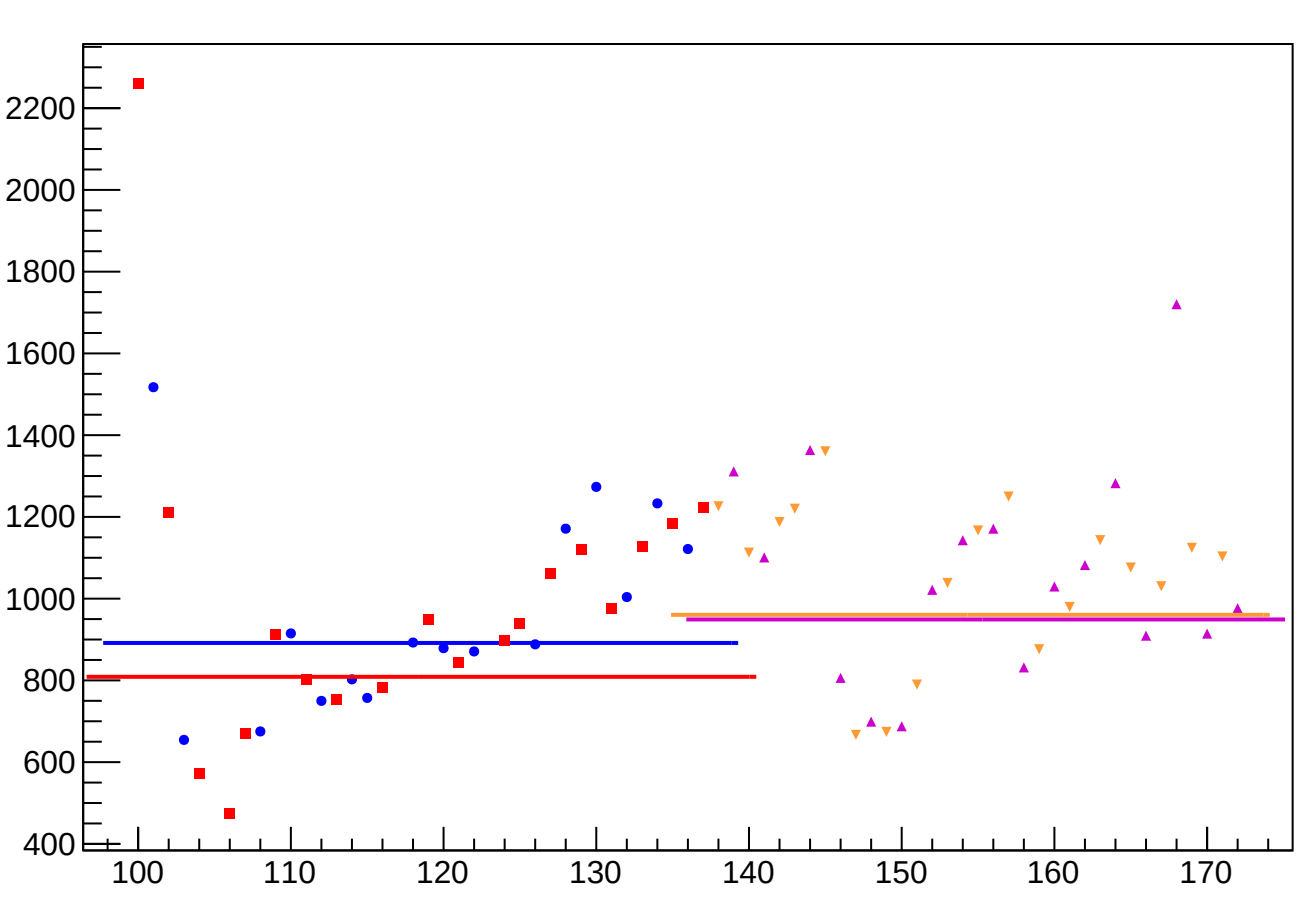
Left: 63.885+/-185.416 χ^2/NDF: 33.8/34

Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: -19.360+/-208.041 χ^2/NDF:26.8/32

Out: -135.746+/-201.335 χ^2/NDF:43.0/36

All: -79.459+/-144.678 χ^2/NDF: 70.0/69



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 960.417+/-0.186 χ^2/NDF:1327740.5/17

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: 954.728+/-0.131 χ^2/NDF: 2801267.8/34

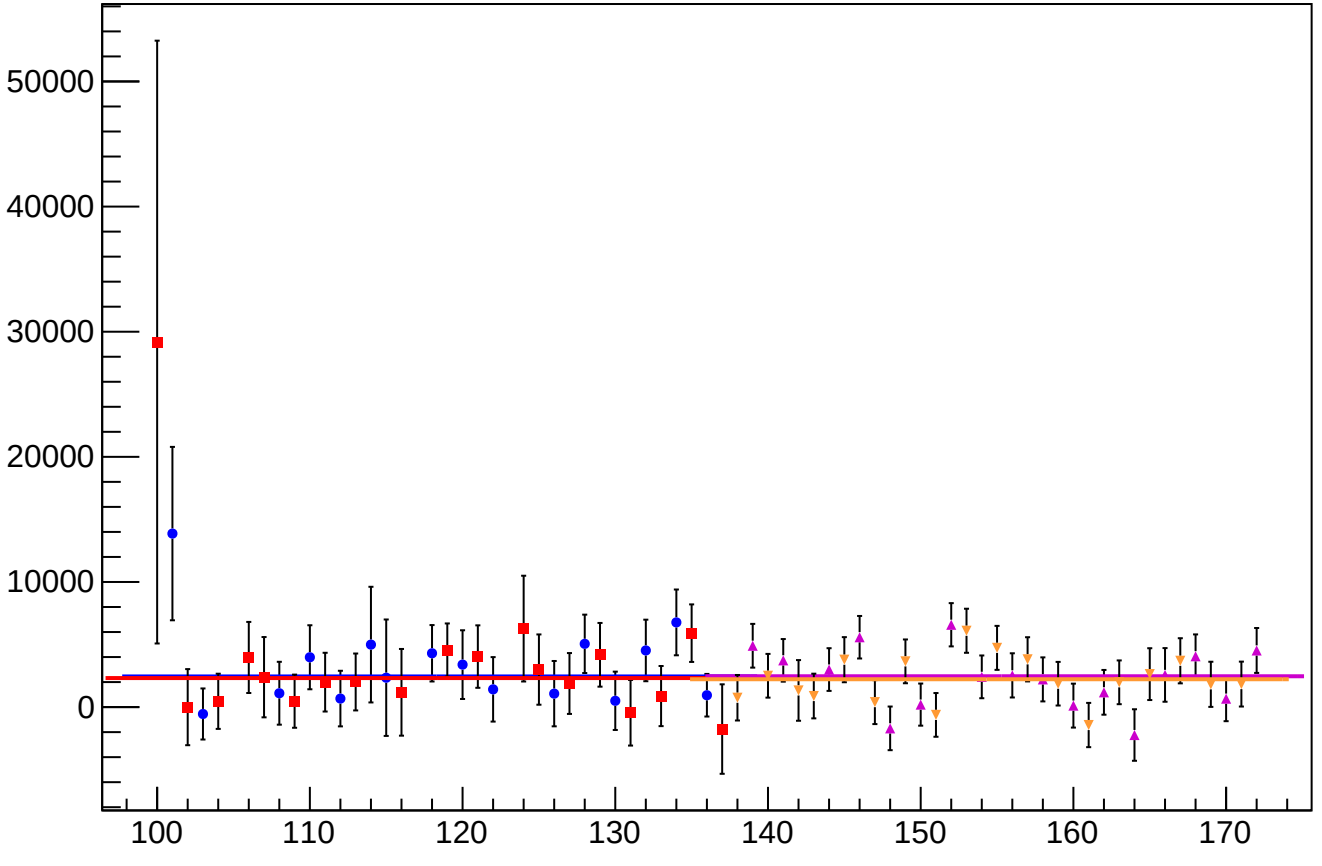
Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 928.015+/-0.147 χ^2/NDF:2301017.4/32

Out: 897.678+/-0.142 χ^2/NDF:2686675.1/36

All: 912.350+/-0.102 χ^2/NDF: 5009652.4/69

cor_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2226.818+/-426.343 χ^2/NDF:19.4/17

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2464.809+/-430.182 χ^2/NDF:29.8/16

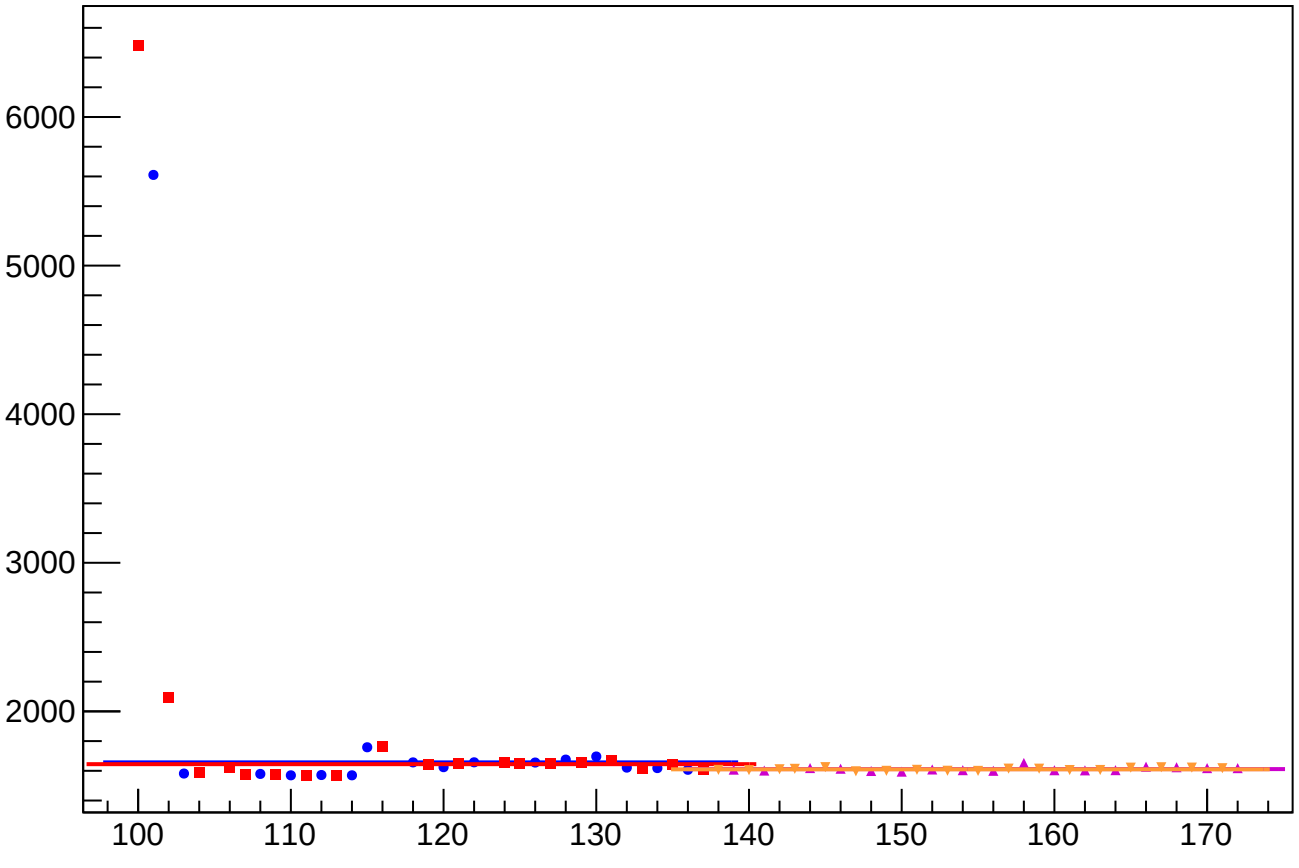
Left: 2344.747+/-302.818 χ^2/NDF: 49.4/34

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2459.910+/-355.303 χ^2/NDF:43.7/32

Out: 2257.610+/-349.386 χ^2/NDF:31.5/36

All: 2357.062+/-249.119 χ^2/NDF: 75.3/69



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1609.966+/-0.301 χ^2/NDF:834.0/17

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1611.569+/-0.304 χ^2/NDF:2016.9/16

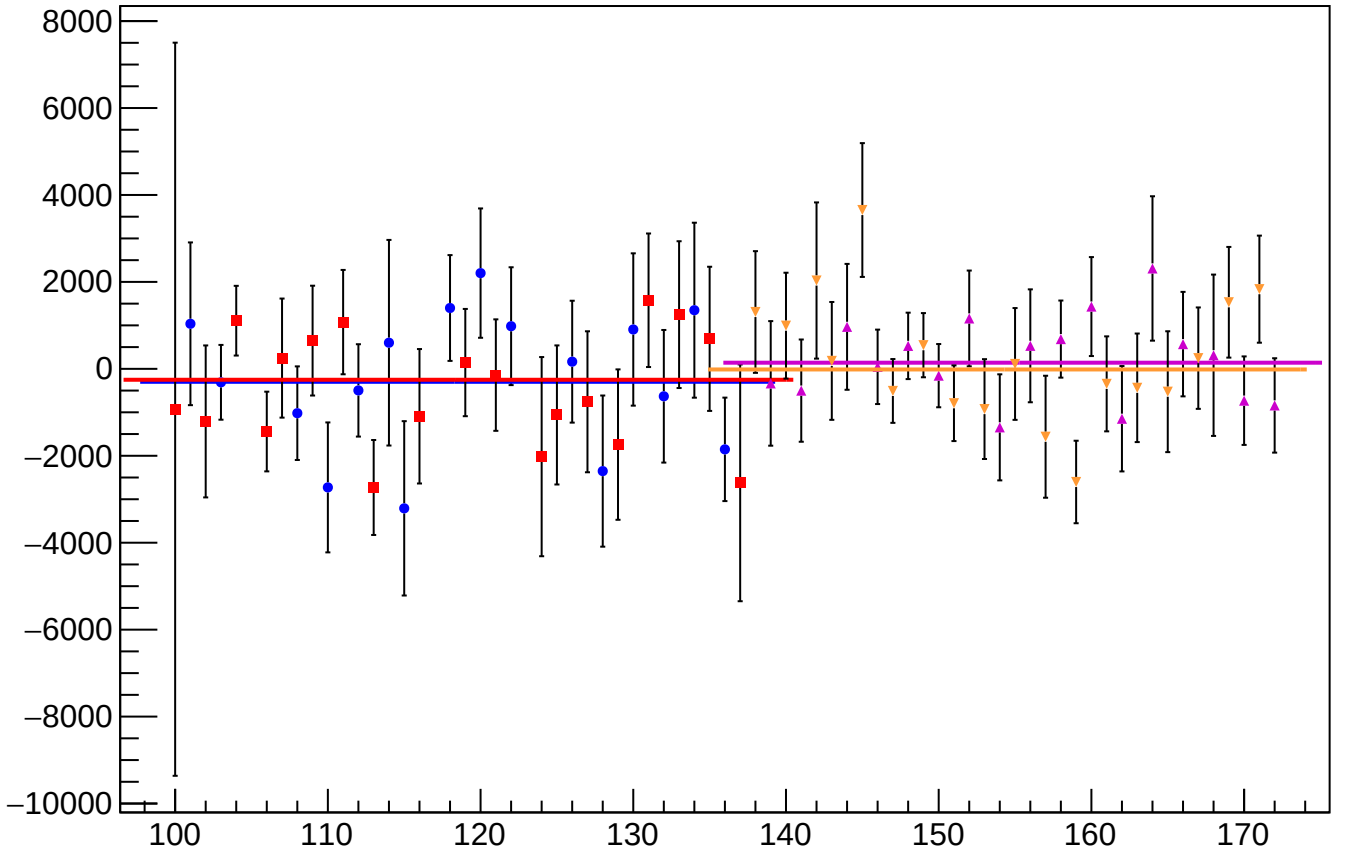
Left: 1610.761+/-0.214 χ^2/NDF: 2865.0/34

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1625.908+/-0.251 χ^2/NDF:675233.7/32

Out: 1621.385+/-0.247 χ^2/NDF:141685.0/36

All: 1623.608+/-0.176 χ^2/NDF: 817083.5/69



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -14.446+/-262.966 χ^2/NDF:23.8/17

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 141.300+/-261.476 χ^2/NDF:9.8/16

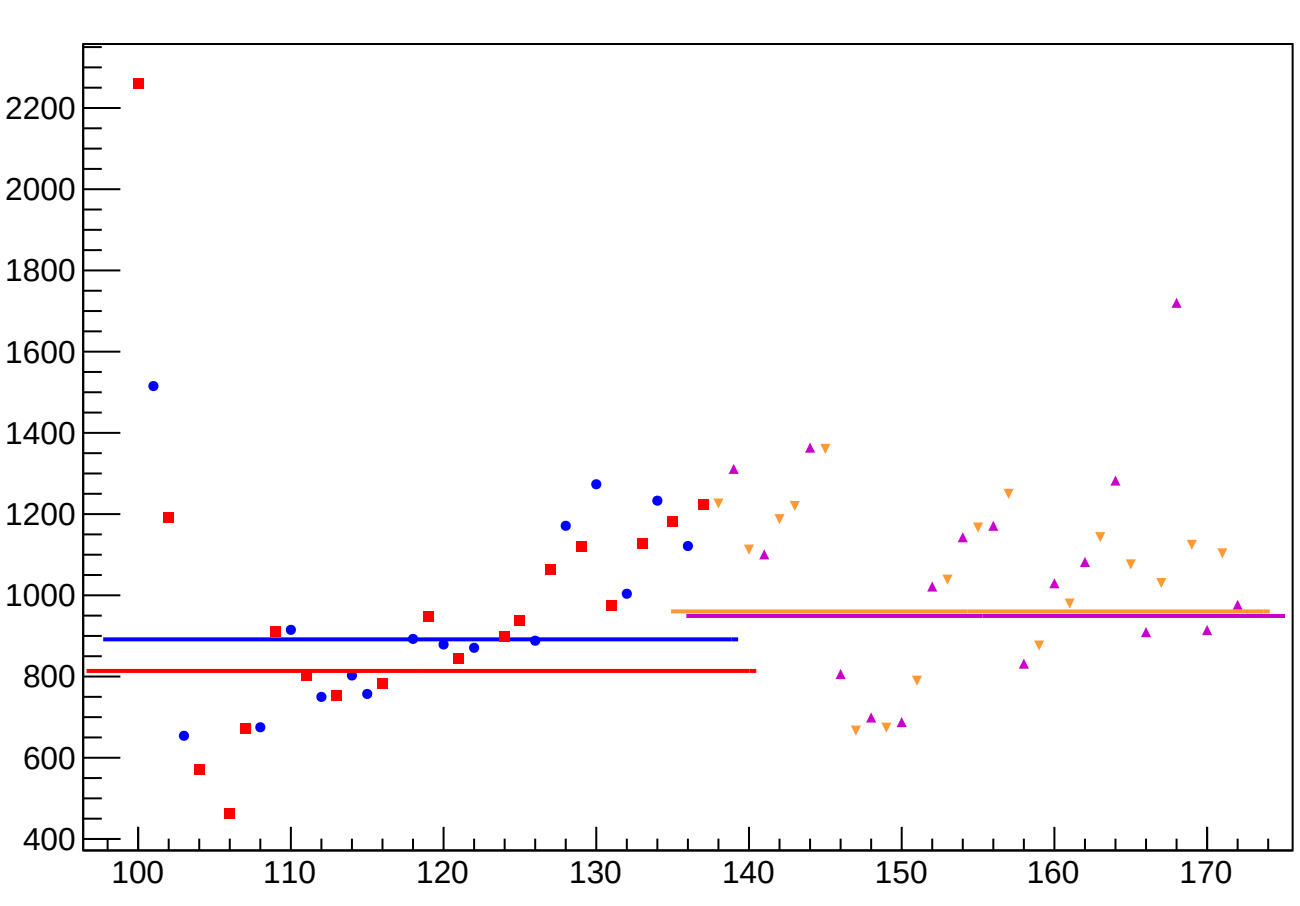
Left: 63.870+/-185.416 χ^2/NDF: 33.8/34

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -19.853+/-208.032 χ^2/NDF:26.8/32

Out: -111.420+/-202.066 χ^2/NDF:41.4/36

All: -66.968+/-144.945 χ^2/NDF: 68.3/69



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 960.407+/-0.186 χ^2/NDF:1327833.2/17

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 949.109+/-0.185 χ^2/NDF:1471617.8/16

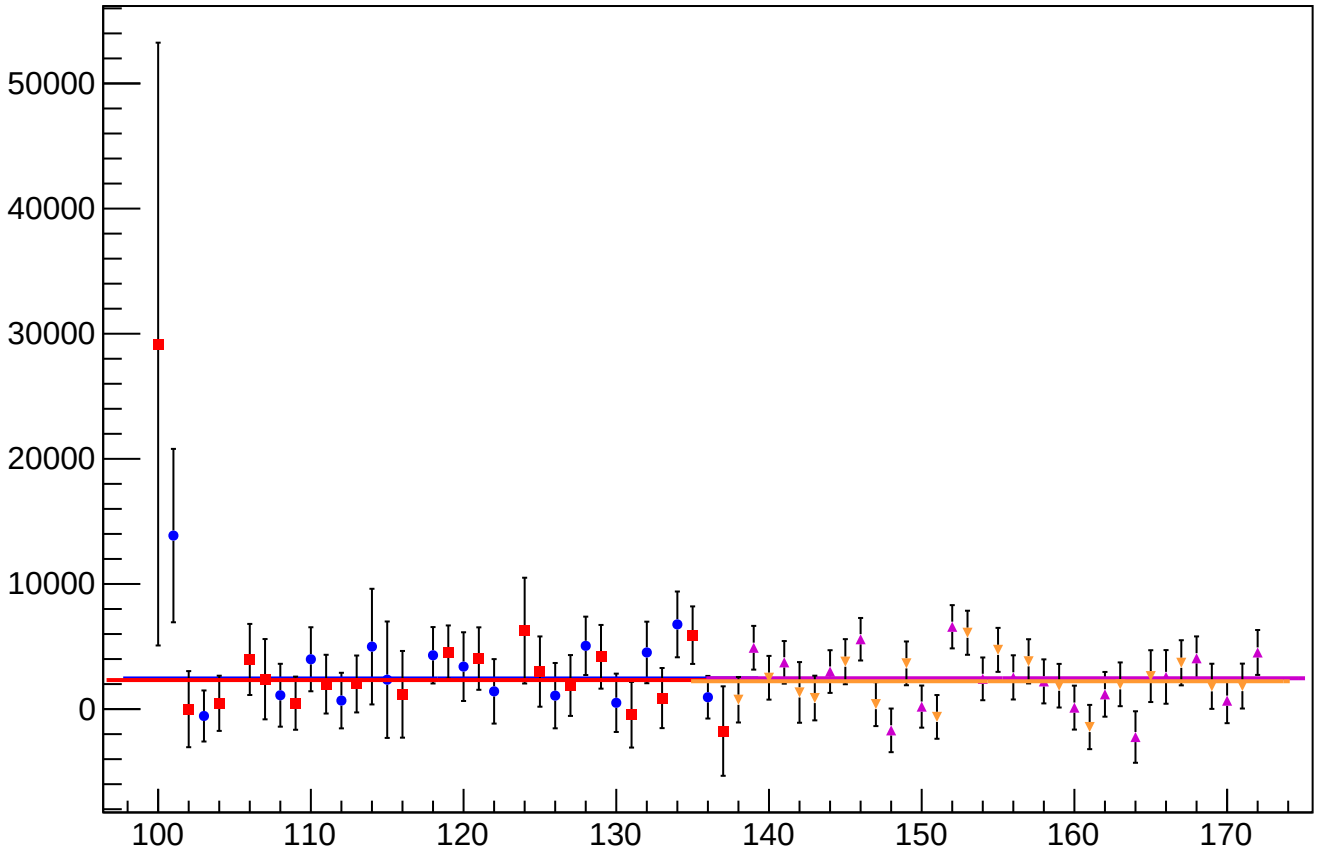
Left: 954.726+/-0.131 χ^2/NDF: 2801307.5/34

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 927.978+/-0.147 χ^2/NDF:2300865.0/32

Out: 900.368+/-0.143 χ^2/NDF:2635390.2/36

All: 913.771+/-0.102 χ^2/NDF: 4954382.2/69



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2226.818+/-426.343 χ^2/NDF:19.4/17

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2464.809+/-430.182 χ^2/NDF:29.8/16

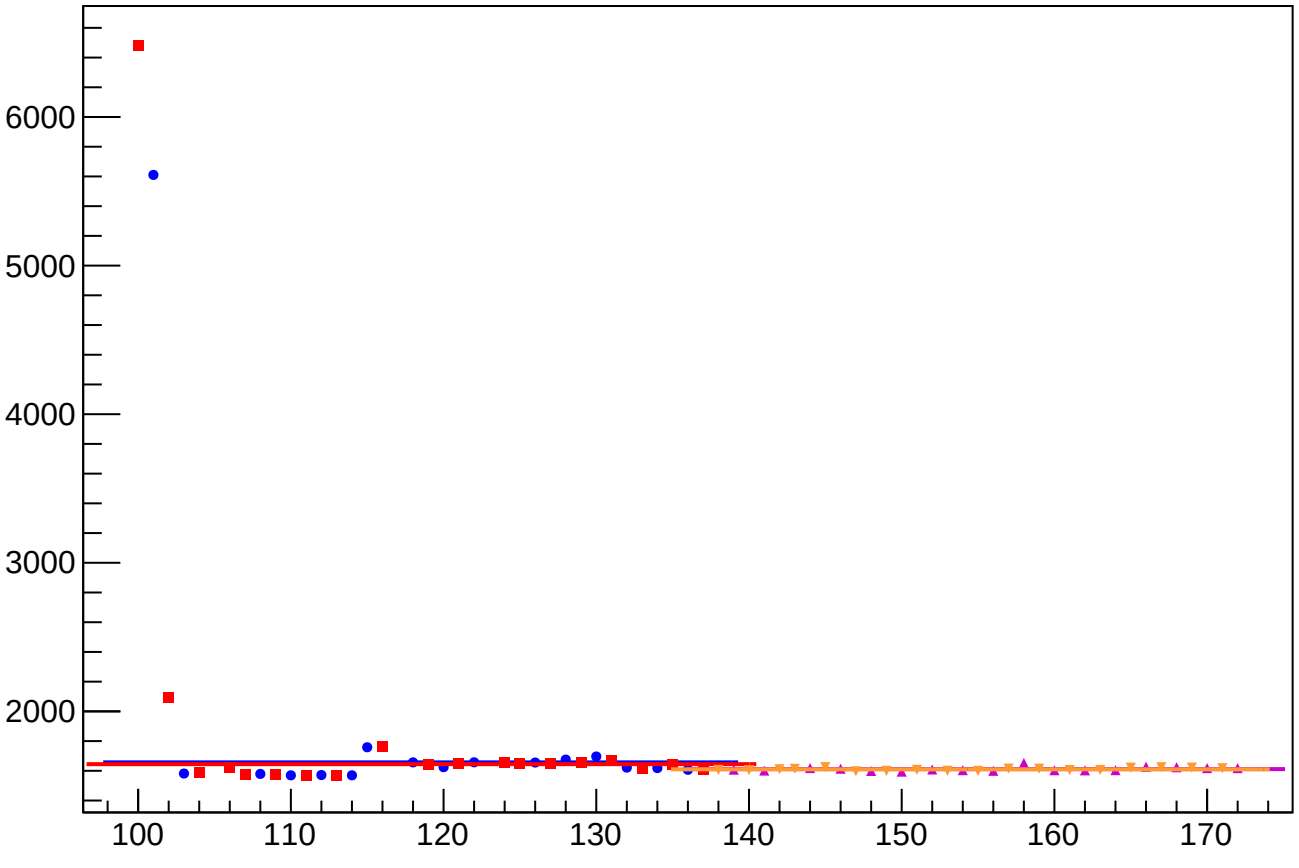
Left: 2344.747+/-302.818 χ^2/NDF: 49.4/34

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2459.910+/-355.303 χ^2/NDF:43.7/32

Out: 2257.610+/-349.386 χ^2/NDF:31.5/36

All: 2357.062+/-249.119 χ^2/NDF: 75.3/69



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1609.966+/-0.301 χ^2/NDF:834.0/17

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: 1610.761+/-0.214 χ^2/NDF: 2865.0/34

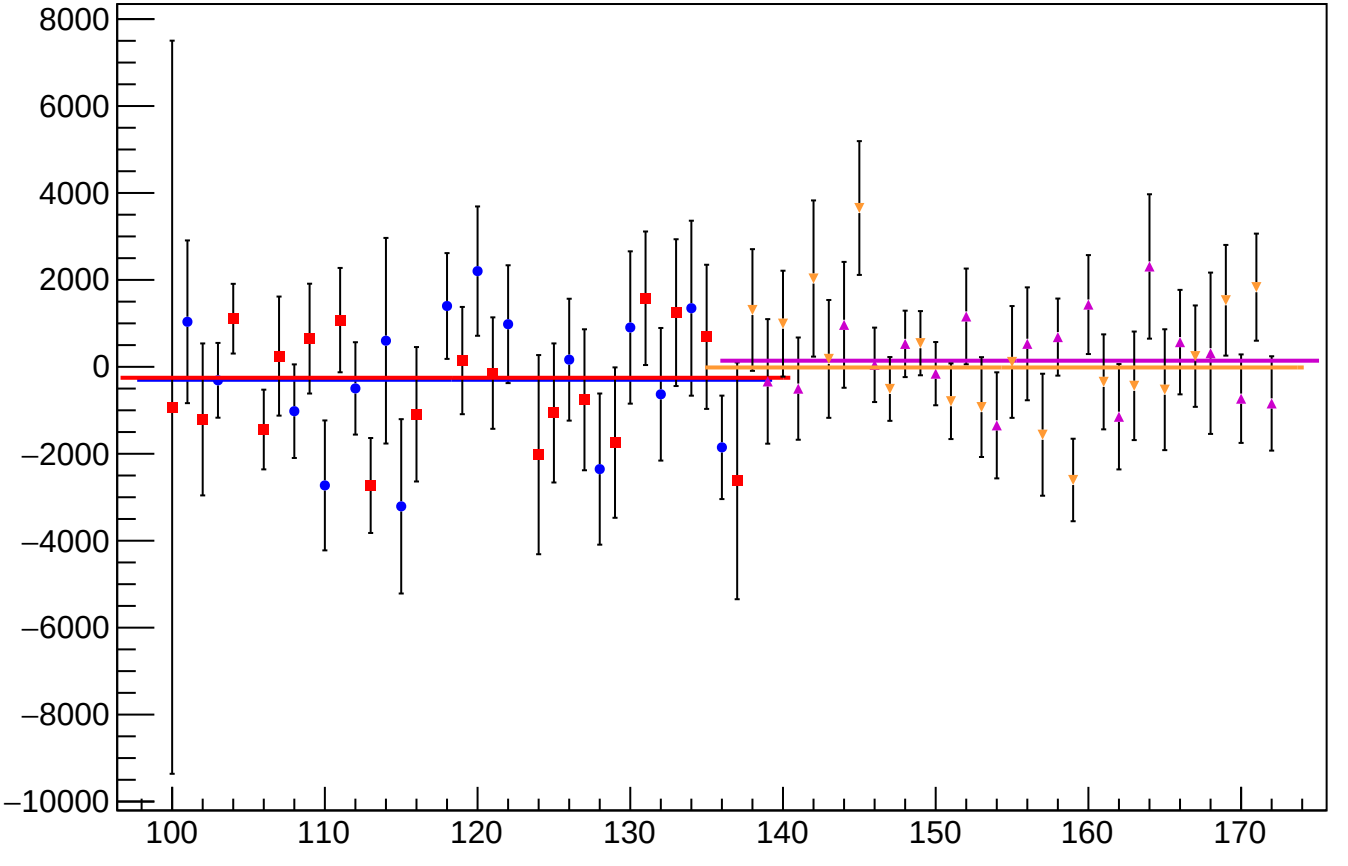
Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1625.908+/-0.251 χ^2/NDF:675233.7/32

Out: 1621.385+/-0.247 χ^2/NDF:141685.0/36

All: 1623.608+/-0.176 χ^2/NDF: 817083.5/69

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -14.446+/-262.966 χ^2/NDF:23.8/17

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 141.300+/-261.476 χ^2/NDF:9.8/16

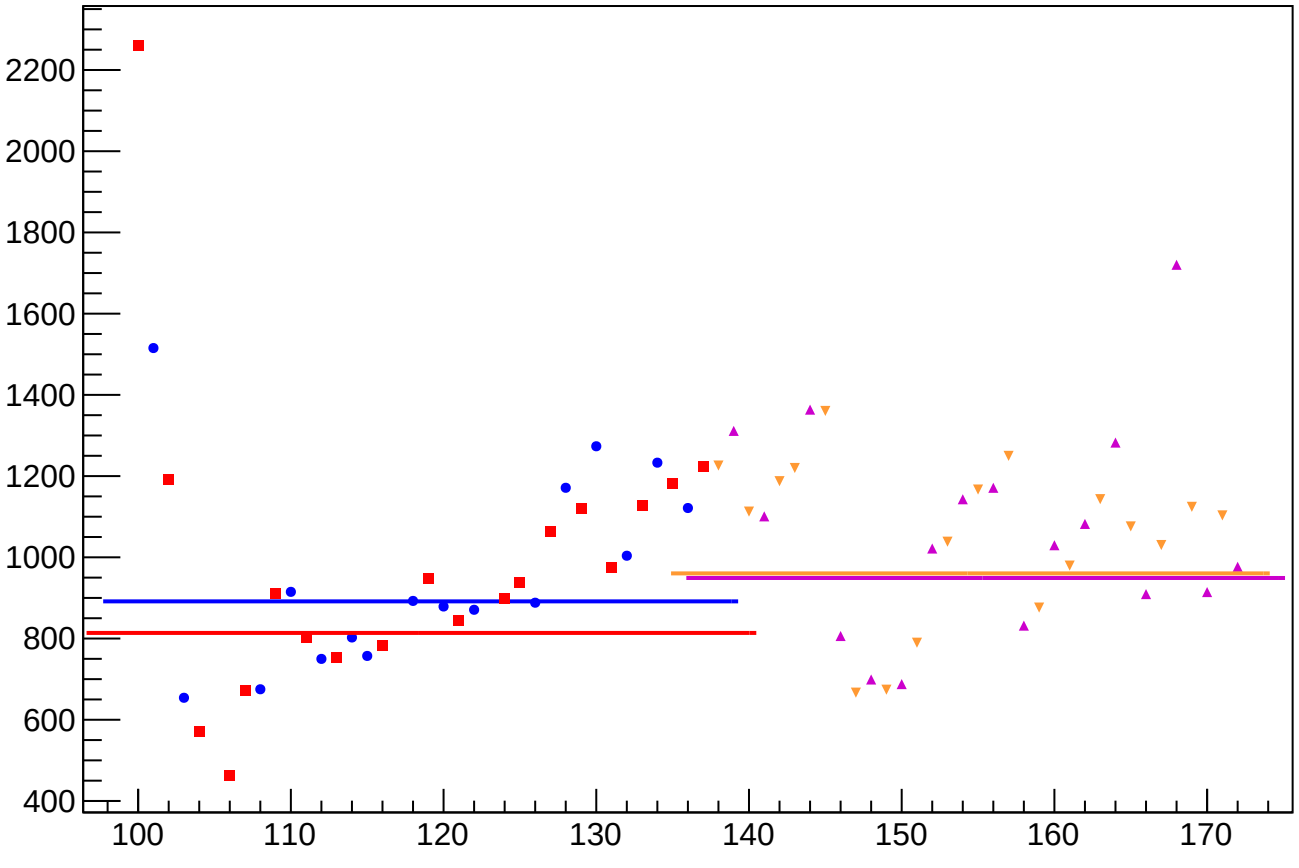
Left: 63.870+/-185.416 χ^2/NDF: 33.8/34

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -19.853+/-208.032 χ^2/NDF:26.8/32

Out: -111.420+/-202.066 χ^2/NDF:41.4/36

All: -66.968+/-144.945 χ^2/NDF: 68.3/69



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 960.407+/-0.186 χ^2/NDF:1327833.2/17

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 949.109+/-0.185 χ^2/NDF:1471617.8/16

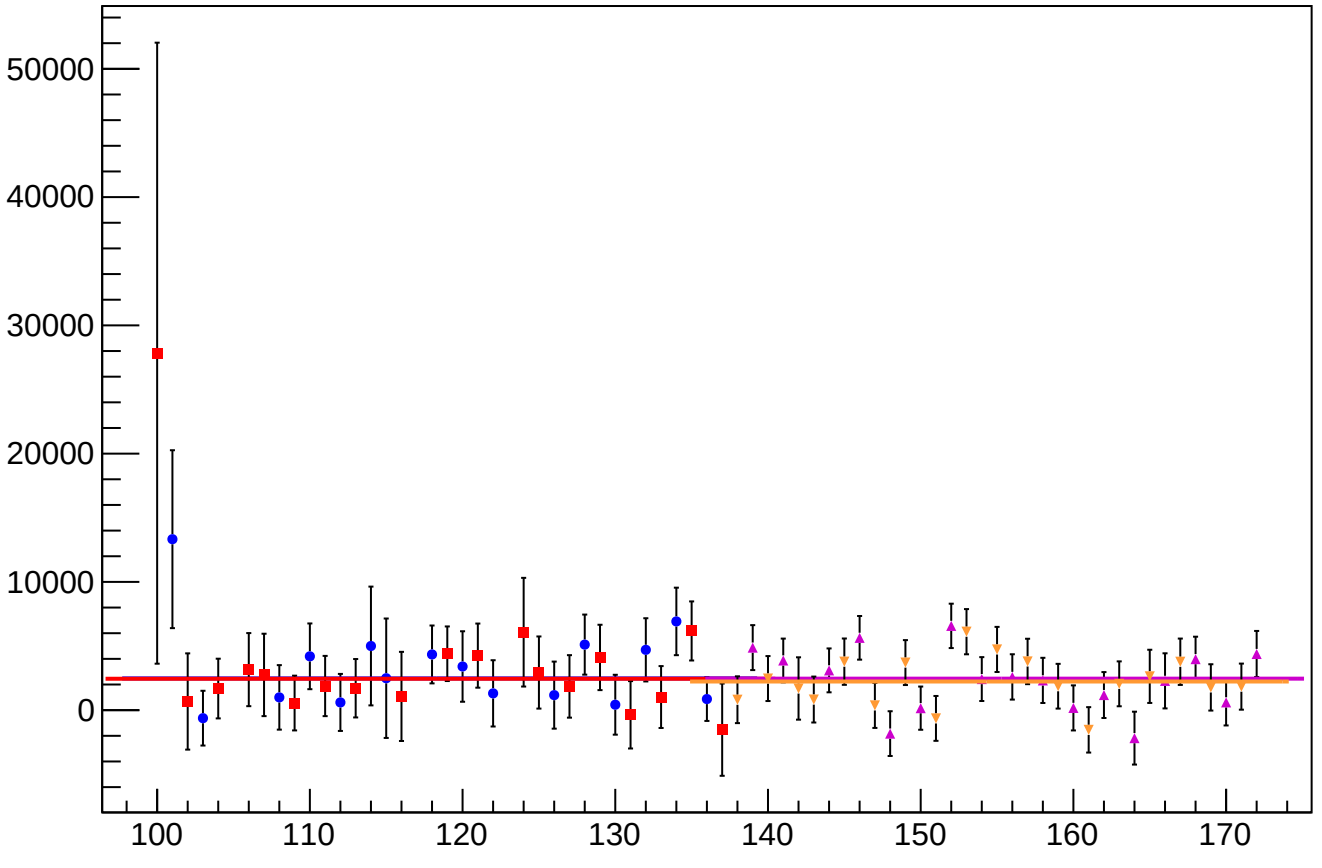
Left: 954.726+/-0.131 χ^2/NDF: 2801307.5/34

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 927.978+/-0.147 χ^2/NDF:2300865.0/32

Out: 900.368+/-0.143 χ^2/NDF:2635390.2/36

All: 913.771+/-0.102 χ^2/NDF: 4954382.2/69



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2234.909+/-426.984 χ^2/NDF:19.7/17

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2456.767+/-430.724 χ^2/NDF:30.0/16

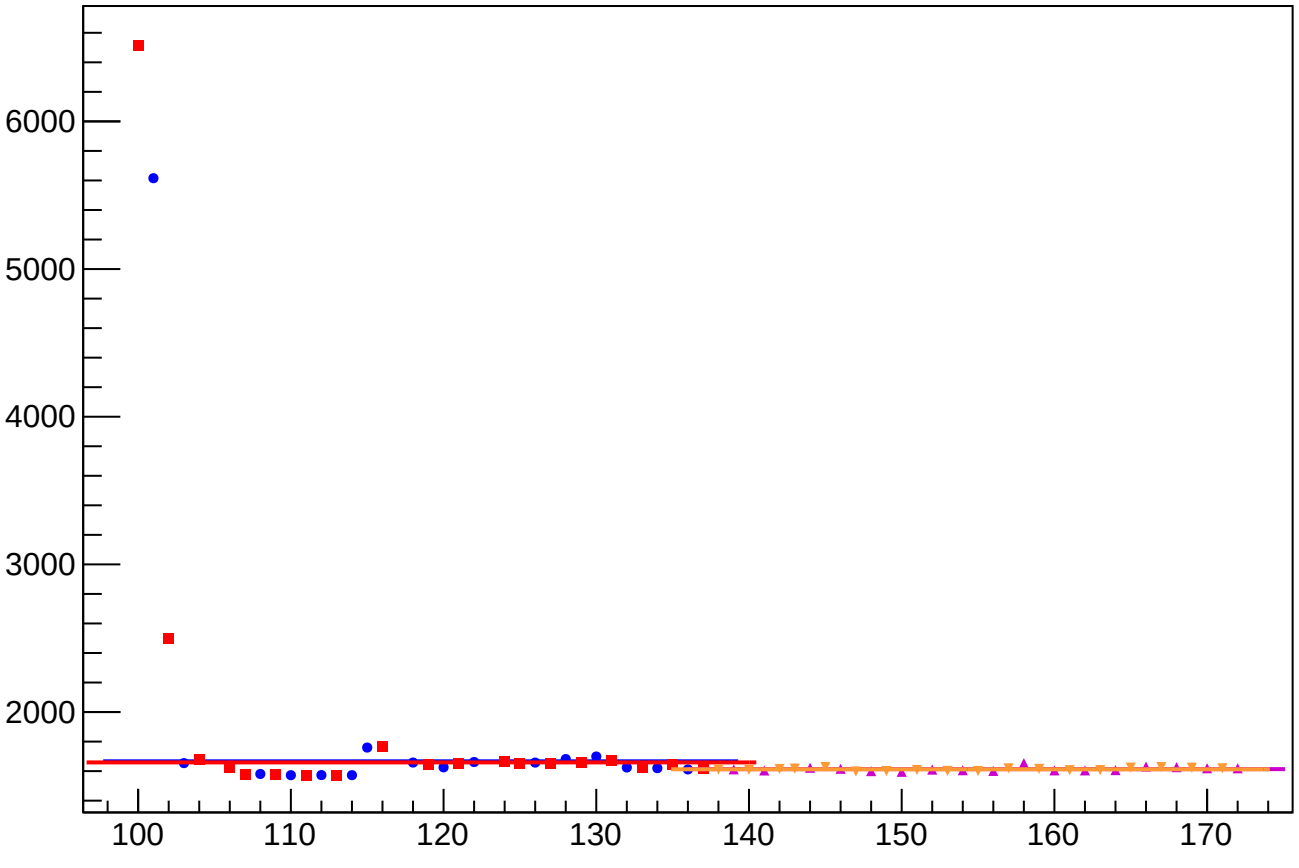
Left: 2344.871+/-303.237 χ^2/NDF: 49.8/34

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2462.599+/-356.257 χ^2/NDF:44.2/32

Out: 2304.174+/-351.206 χ^2/NDF:30.3/36

All: 2382.255+/-250.107 χ^2/NDF: 74.7/69



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1612.379+/-0.302 χ^2/NDF:944.2/17

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1613.590+/-0.305 χ^2/NDF:2084.3/16

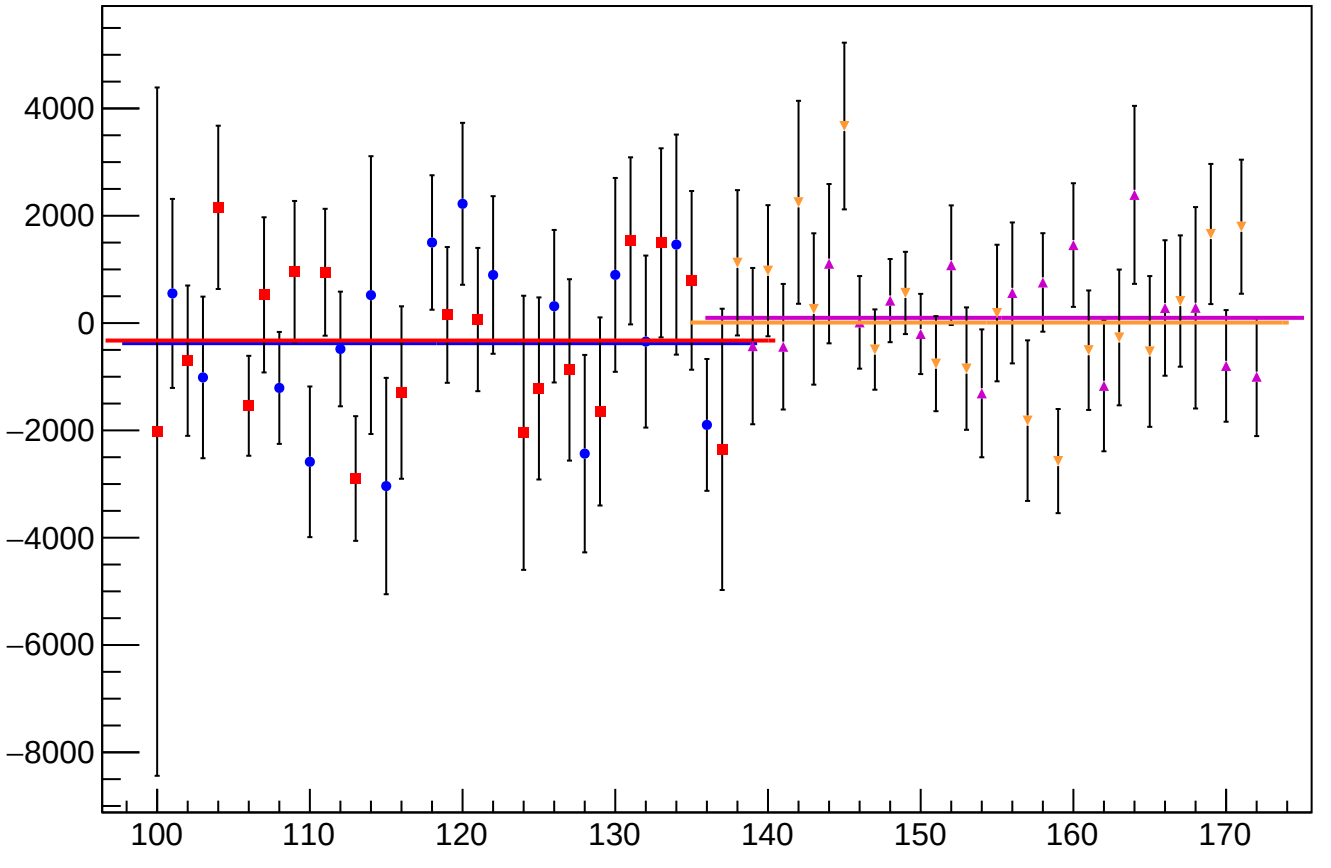
Left: 1612.979+/-0.214 χ^2/NDF: 3036.5/34

Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1630.272+/-0.252 χ^2/NDF:674495.9/32

Out: 1627.460+/-0.248 χ^2/NDF:201881.7/36

All: 1628.846+/-0.177 χ^2/NDF: 876440.8/69



Right In: -374.592+/-367.944 χ^2/NDF: 15.7/15

Left Out: 9.660+/-268.236 χ^2/NDF:23.3/17

Right Out: -325.671+/-340.620 χ^2/NDF: 17.4/18

Left In: 97.713+/-265.666 χ^2/NDF:10.1/16

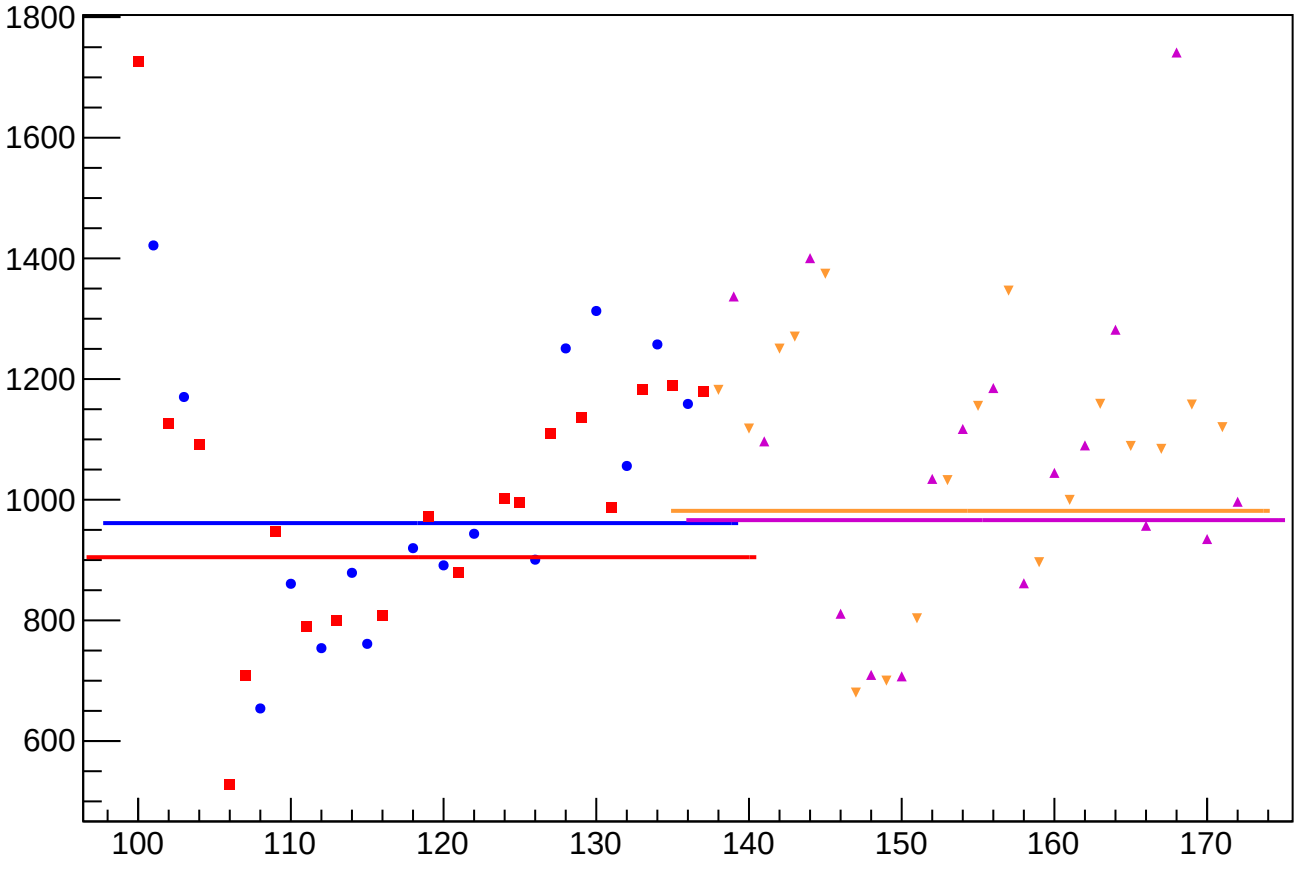
Left: 54.110+/-188.756 χ^2/NDF: 33.5/34

Right: -348.248+/-249.957 χ^2/NDF: 33.1/34

In: -64.135+/-215.390 χ^2/NDF:26.9/32

Out: -118.695+/-210.737 χ^2/NDF:41.3/36

All: -92.011+/-150.631 χ^2/NDF: 68.3/69



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 981.560+/-0.190 χ^2/NDF:1297717.4/17

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 966.162+/-0.188 χ^2/NDF:1417420.3/16

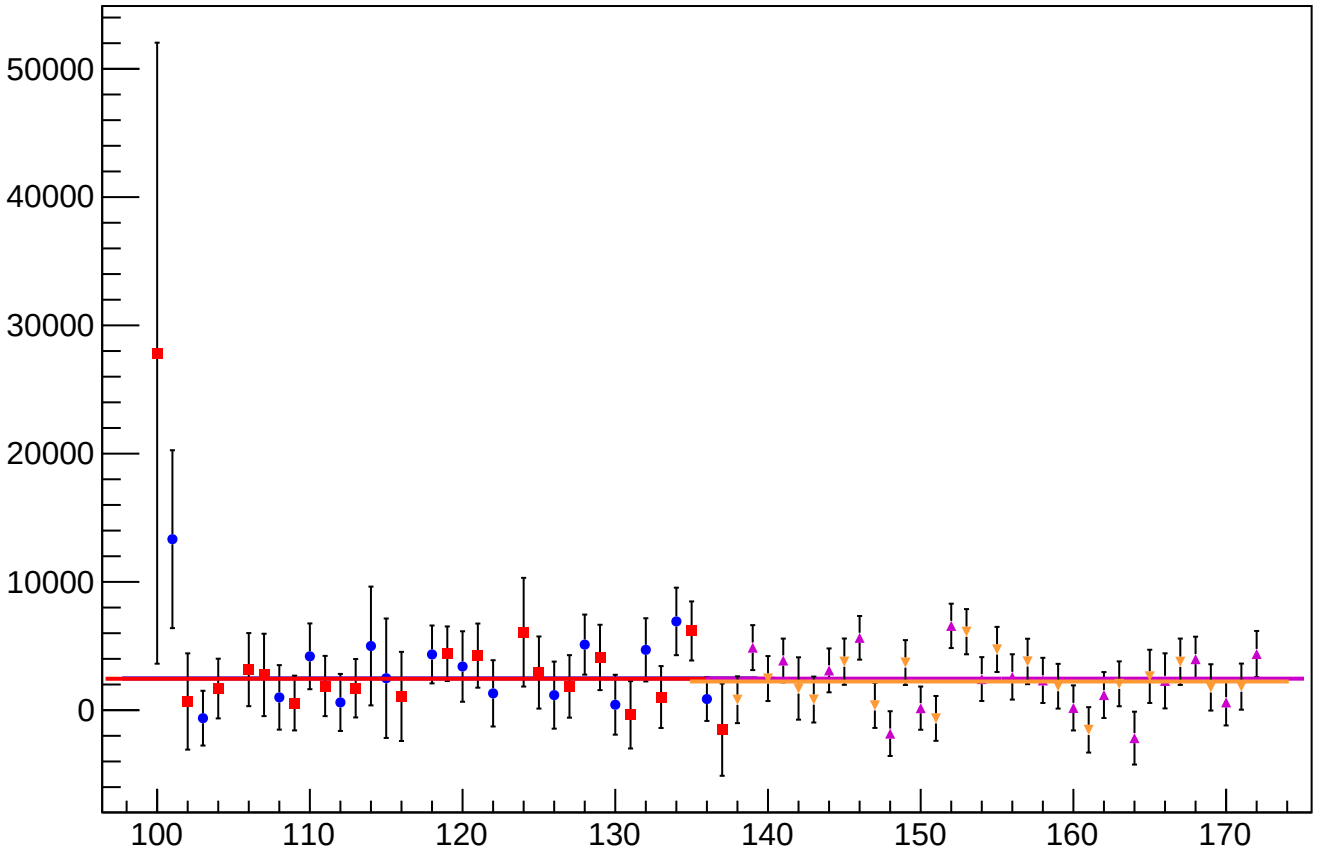
Left: 973.787+/-0.133 χ^2/NDF: 2718464.7/34

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 964.476+/-0.152 χ^2/NDF:2109530.7/32

Out: 952.154+/-0.149 χ^2/NDF:2096997.7/36

All: 958.181+/-0.107 χ^2/NDF: 4209872.6/69



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2234.909+/-426.984 χ^2/NDF:19.7/17

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2456.767+/-430.724 χ^2/NDF:30.0/16

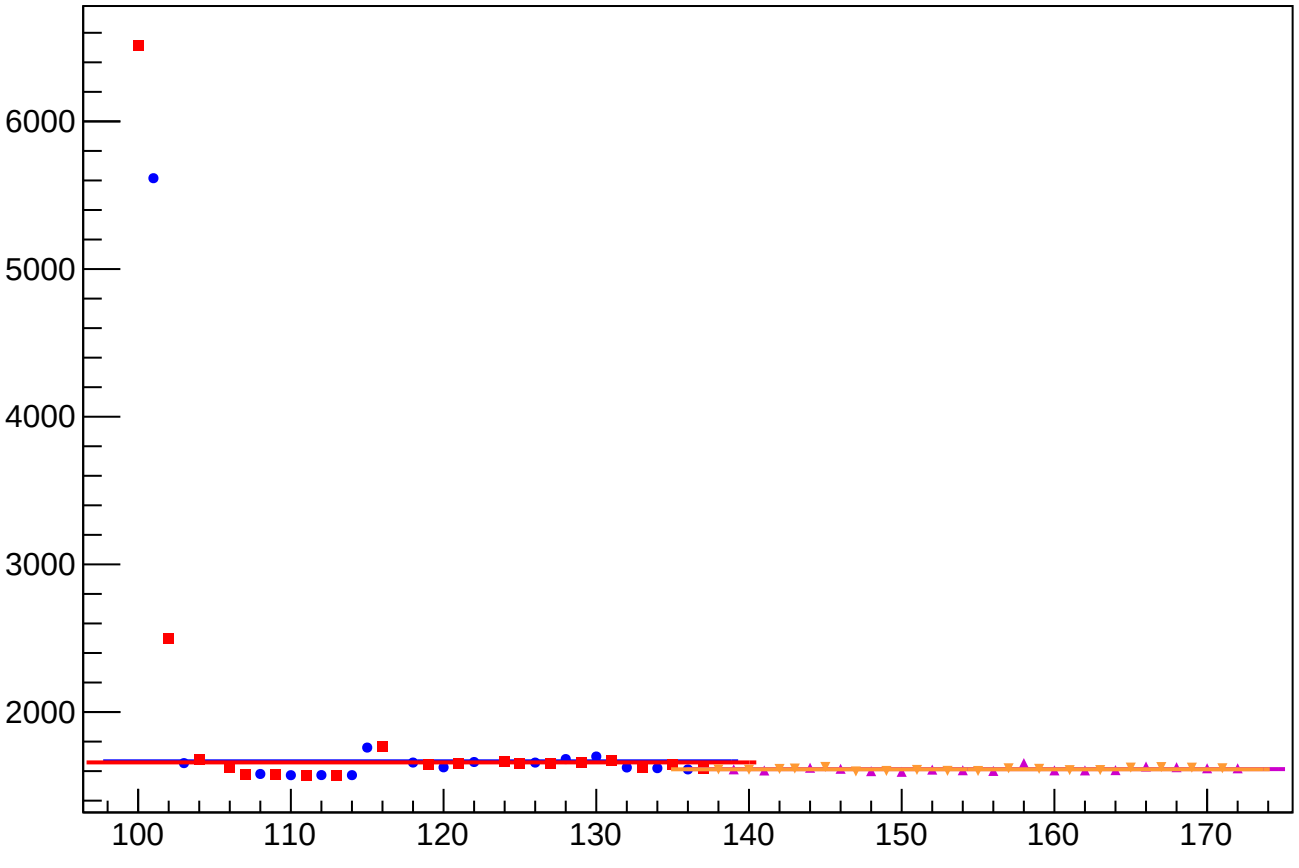
Left: 2344.871+/-303.237 χ^2/NDF: 49.8/34

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2462.599+/-356.257 χ^2/NDF:44.2/32

Out: 2304.173+/-351.206 χ^2/NDF:30.3/36

All: 2382.255+/-250.107 χ^2/NDF: 74.7/69



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1612.379+/-0.302 χ^2/NDF:944.2/17

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1613.590+/-0.305 χ^2/NDF:2084.3/16

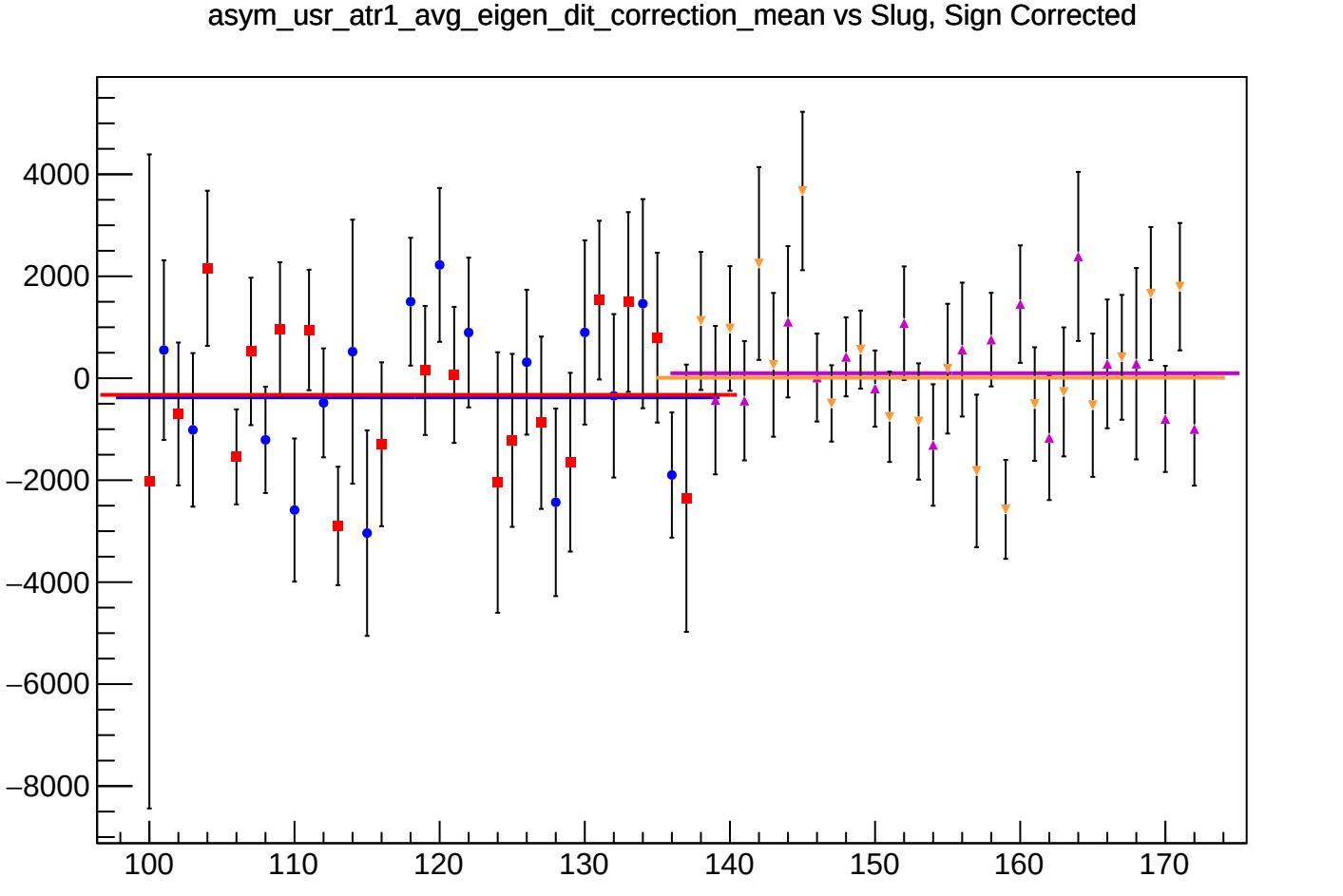
Left: 1612.979+/-0.214 χ^2/NDF: 3036.5/34

Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1630.272+/-0.252 χ^2/NDF:674495.8/32

Out: 1627.460+/-0.248 χ^2/NDF:201881.5/36

All: 1628.846+/-0.177 χ^2/NDF: 876440.5/69



Right In: -374.590+/-367.943 χ^2/NDF: 15.7/15

Left Out: 9.659+/-268.236 χ^2/NDF:23.3/17

Right Out: -325.670+/-340.619 χ^2/NDF: 17.4/18

Left In: 97.713+/-265.666 χ^2/NDF:10.1/16

Left: 54.110+/-188.756 χ^2/NDF: 33.5/34

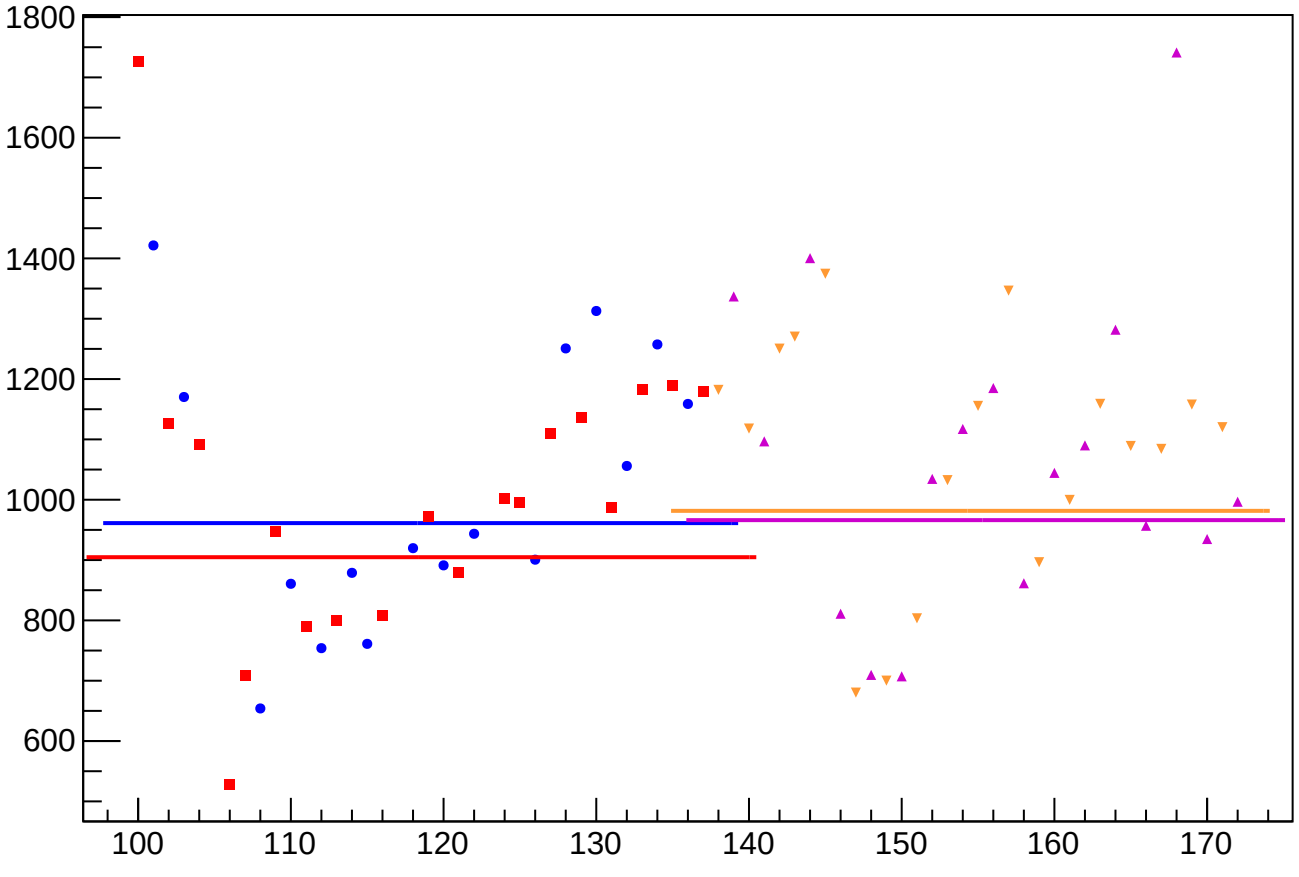
Right: -348.247+/-249.956 χ^2/NDF: 33.1/34

In: -64.135+/-215.390 χ^2/NDF:26.9/32

Out: -118.696+/-210.737 χ^2/NDF:41.3/36

All: -92.011+/-150.631 χ^2/NDF: 68.3/69

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 981.562+/-0.190 χ^2/NDF:1297720.9/17

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 966.164+/-0.188 χ^2/NDF:1417423.7/16

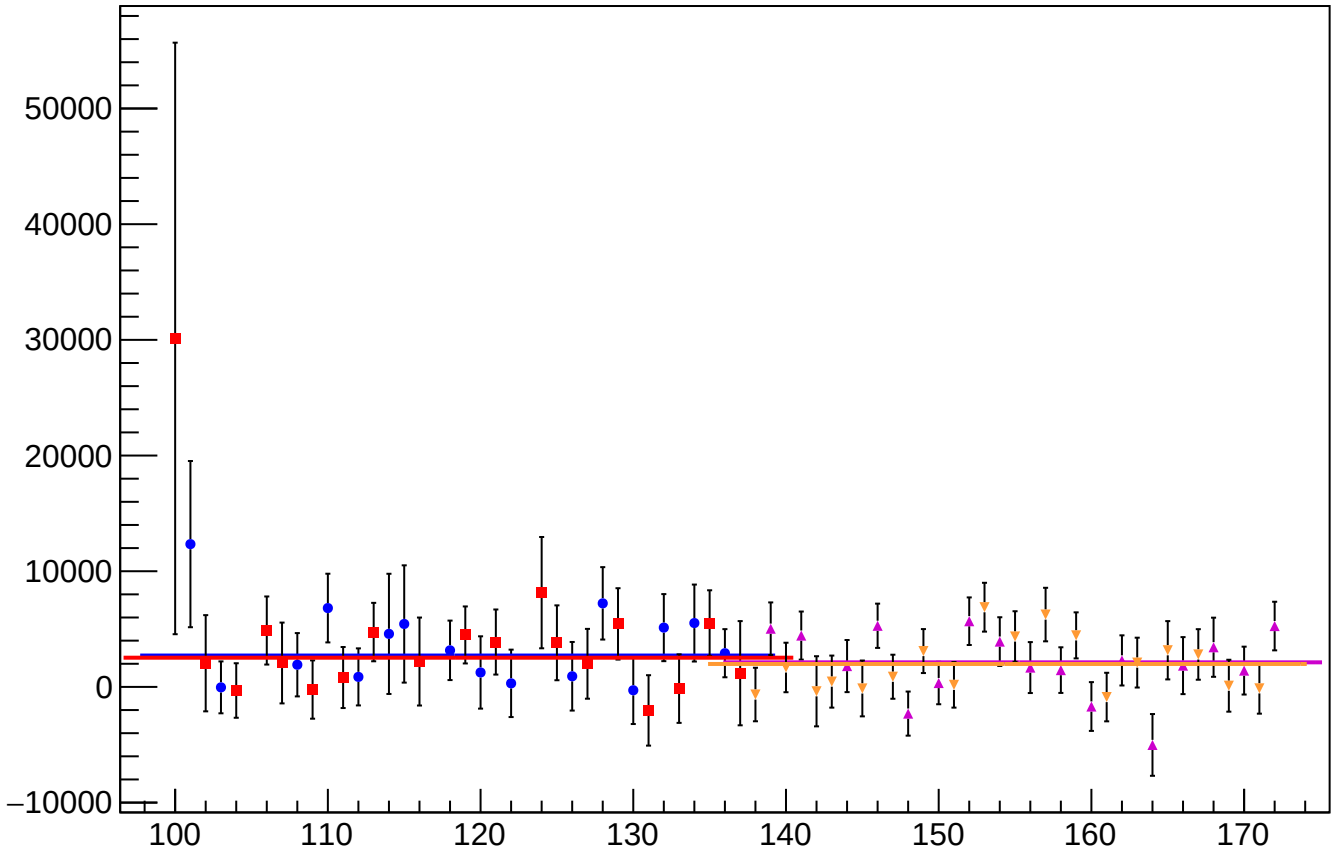
Left: 973.789+/-0.133 χ^2/NDF: 2718471.6/34

Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 964.476+/-0.152 χ^2/NDF:2109542.7/32

Out: 952.154+/-0.149 χ^2/NDF:2097006.2/36

All: 958.181+/-0.107 χ^2/NDF: 4209893.0/69



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 1983.278+/-514.036 χ^2/NDF:20.1/17

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: 2053.498+/-364.325 χ^2/NDF: 49.0/34

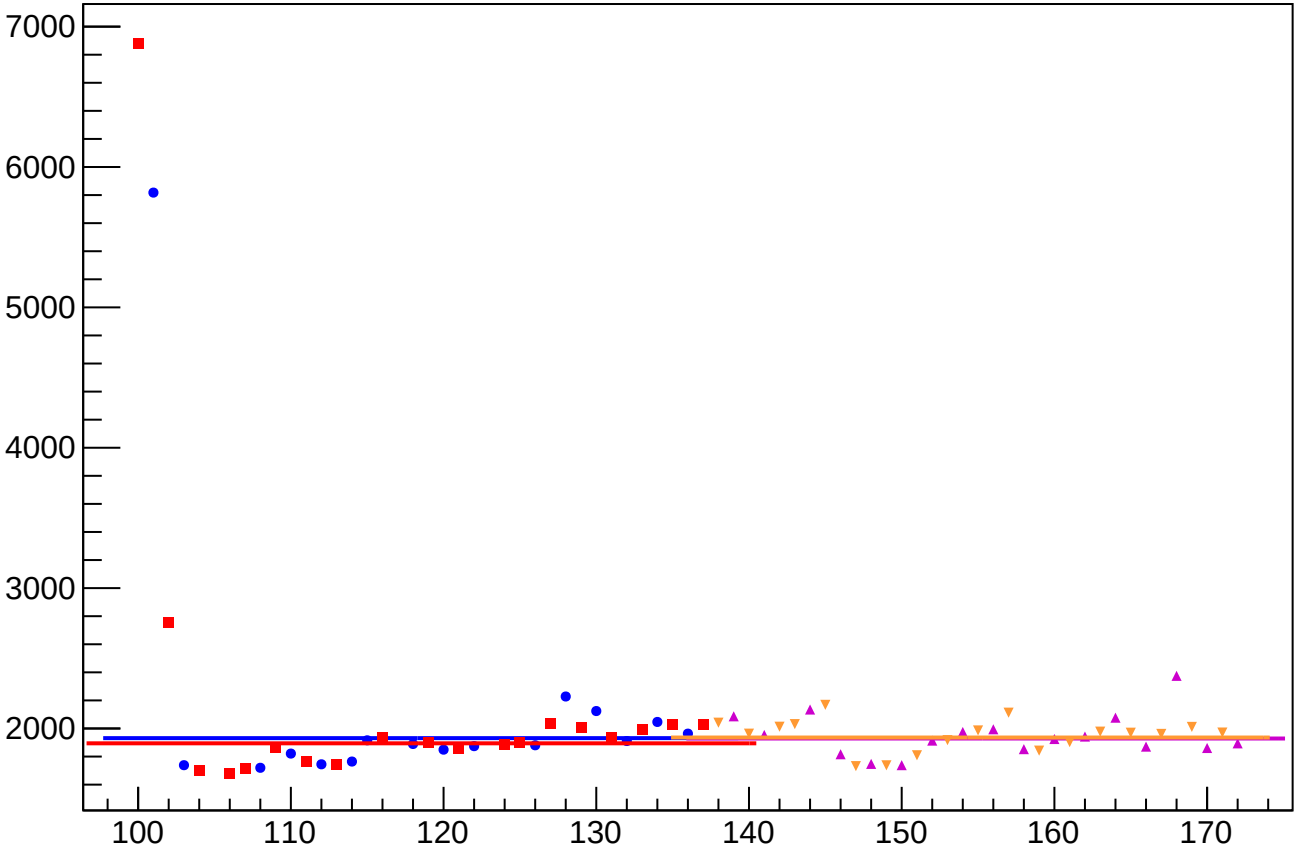
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2318.367+/-422.576 χ^2/NDF:41.5/32

Out: 2170.992+/-415.648 χ^2/NDF:33.7/36

All: 2243.461+/-296.327 χ^2/NDF: 75.2/69

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1935.598+/-0.363 χ^2/NDF:102924.6/17

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1928.597+/-0.365 χ^2/NDF:149910.5/16

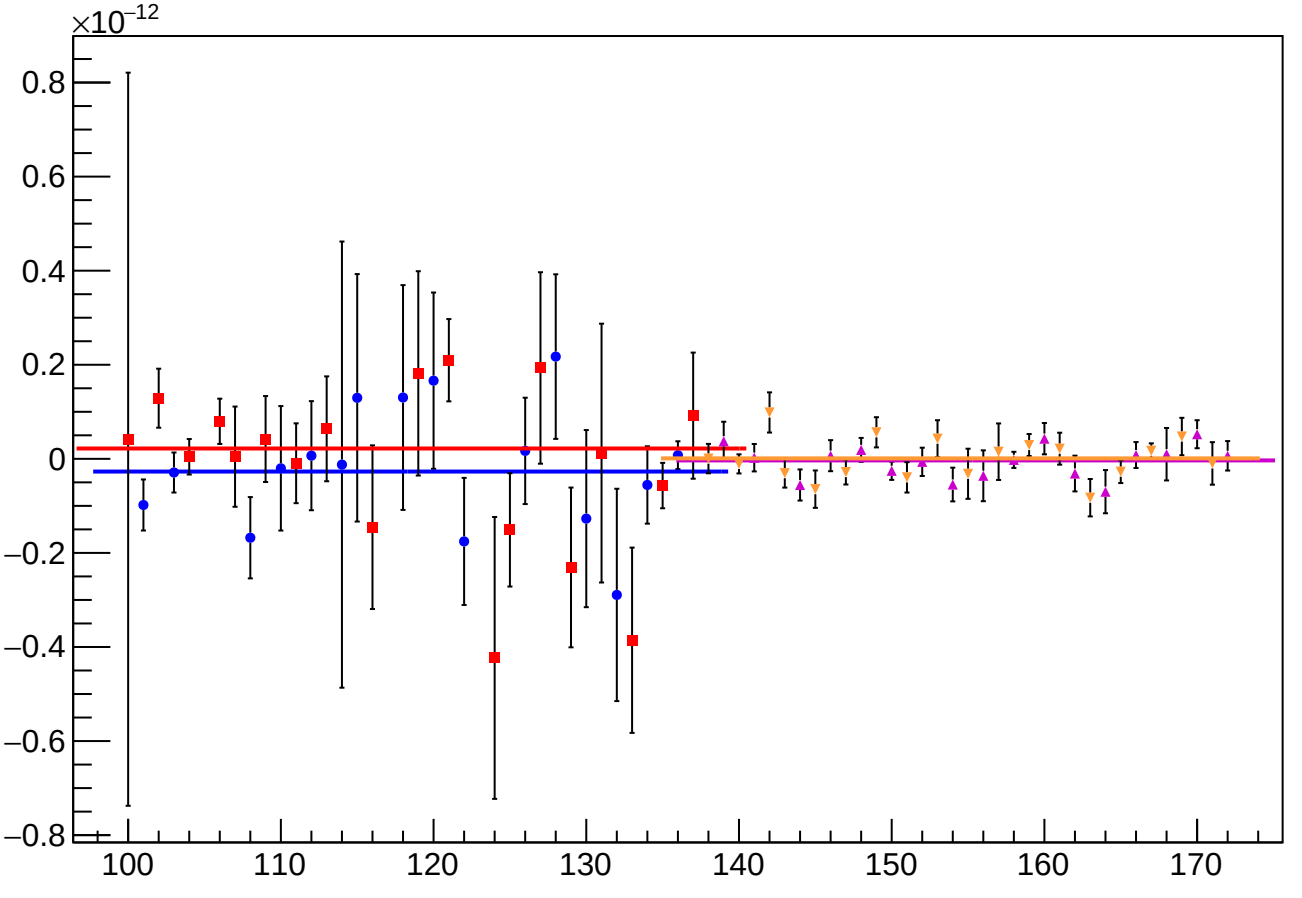
Left: 1932.114+/-0.258 χ^2/NDF: 253019.8/34

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1929.473+/-0.299 χ^2/NDF:811155.1/32

Out: 1921.319+/-0.294 χ^2/NDF:327924.0/36

All: 1925.329+/-0.210 χ^2/NDF: 1139457.6/69



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.7/17

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: 43.4/34

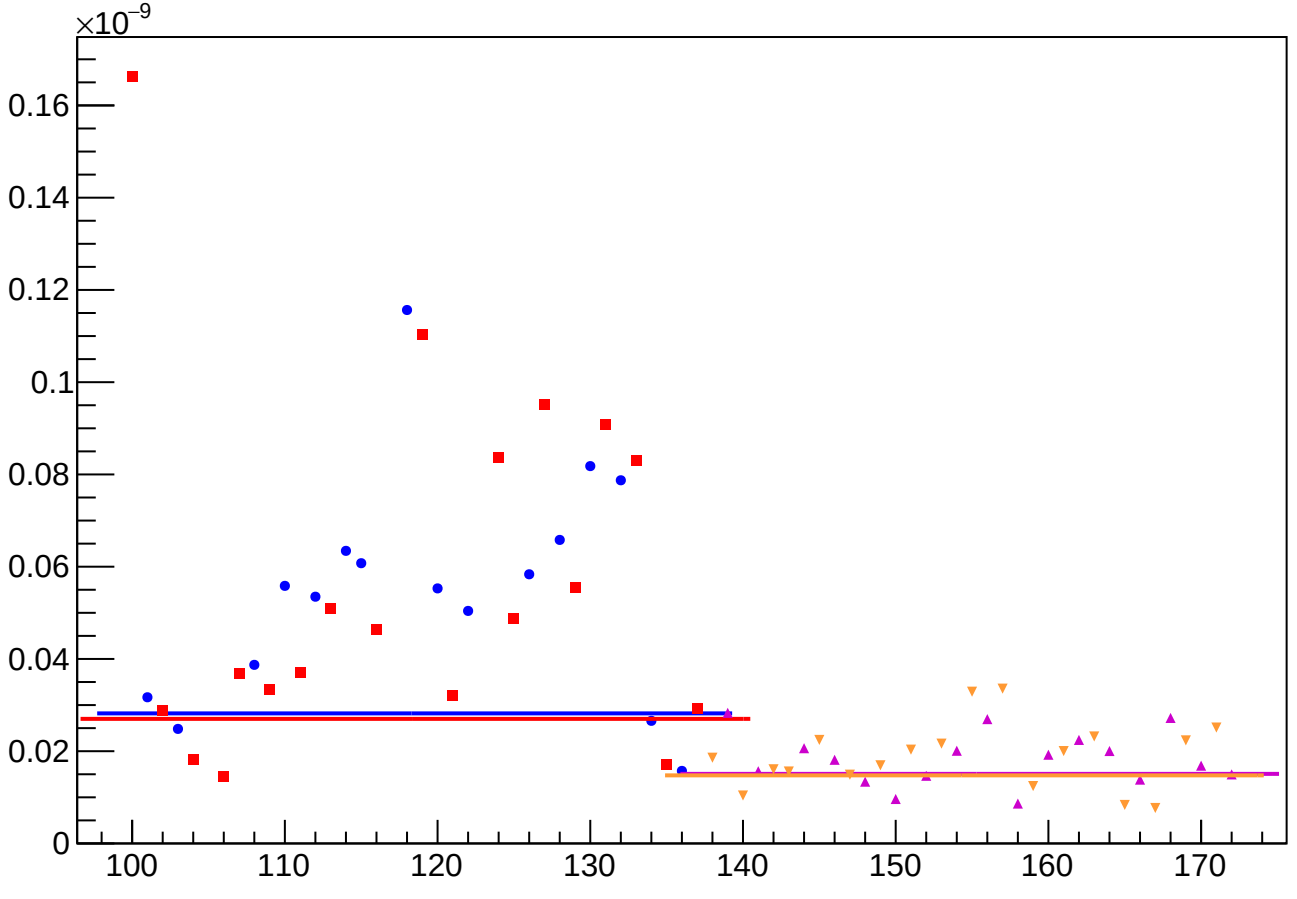
Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:30.6/32

Out: 0.000+/-0.000 χ^2/NDF:53.2/36

All: -0.000+/-0.000 χ^2/NDF: 84.8/69

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1632840.4/17

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: 2733433.0/34

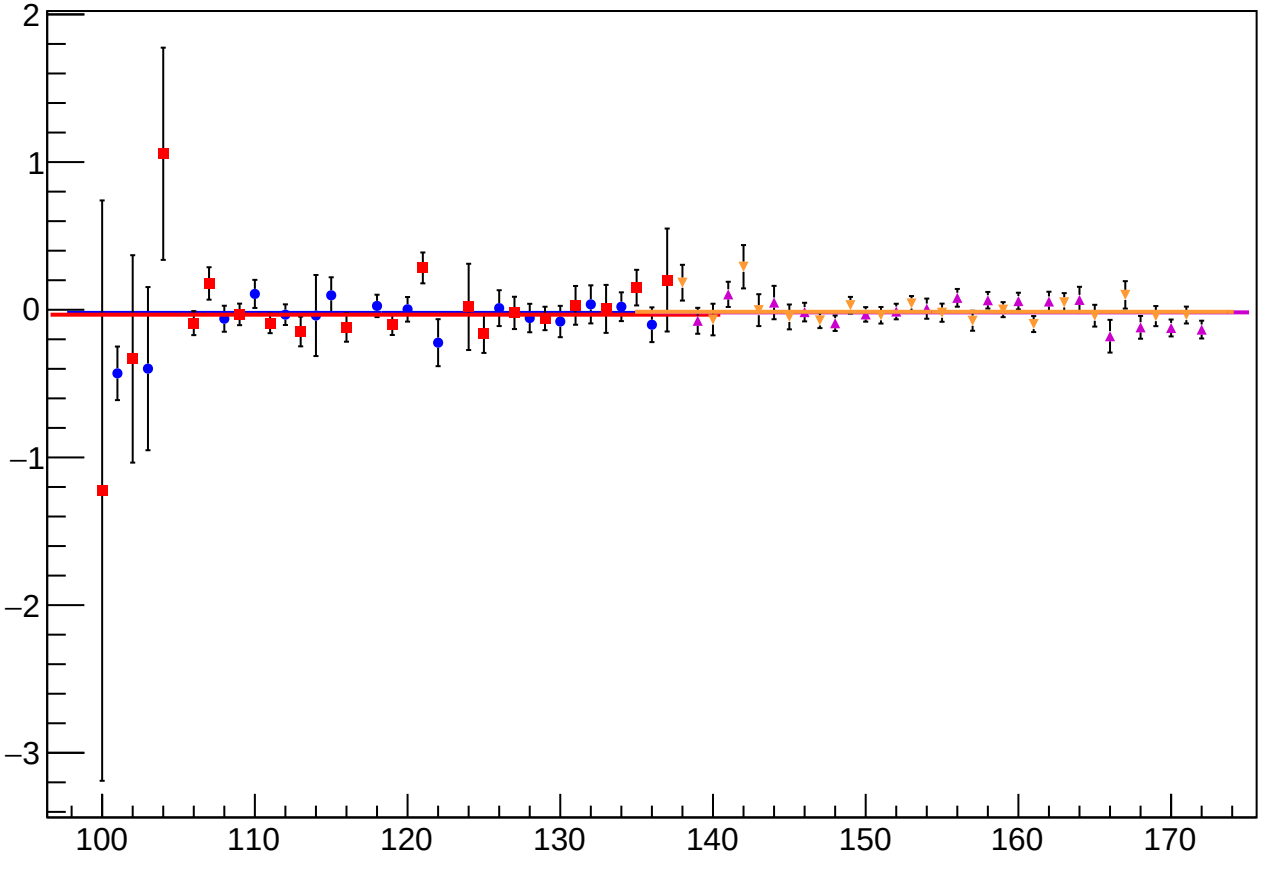
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:3409712.5/32

Out: 0.000+/-0.000 χ^2/NDF:3896461.6/36

All: 0.000+/-0.000 χ^2/NDF: 7312575.5/69

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: -0.014+/-0.016 χ^2/NDF:17.0/17

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.018+/-0.016 χ^2/NDF:24.8/16

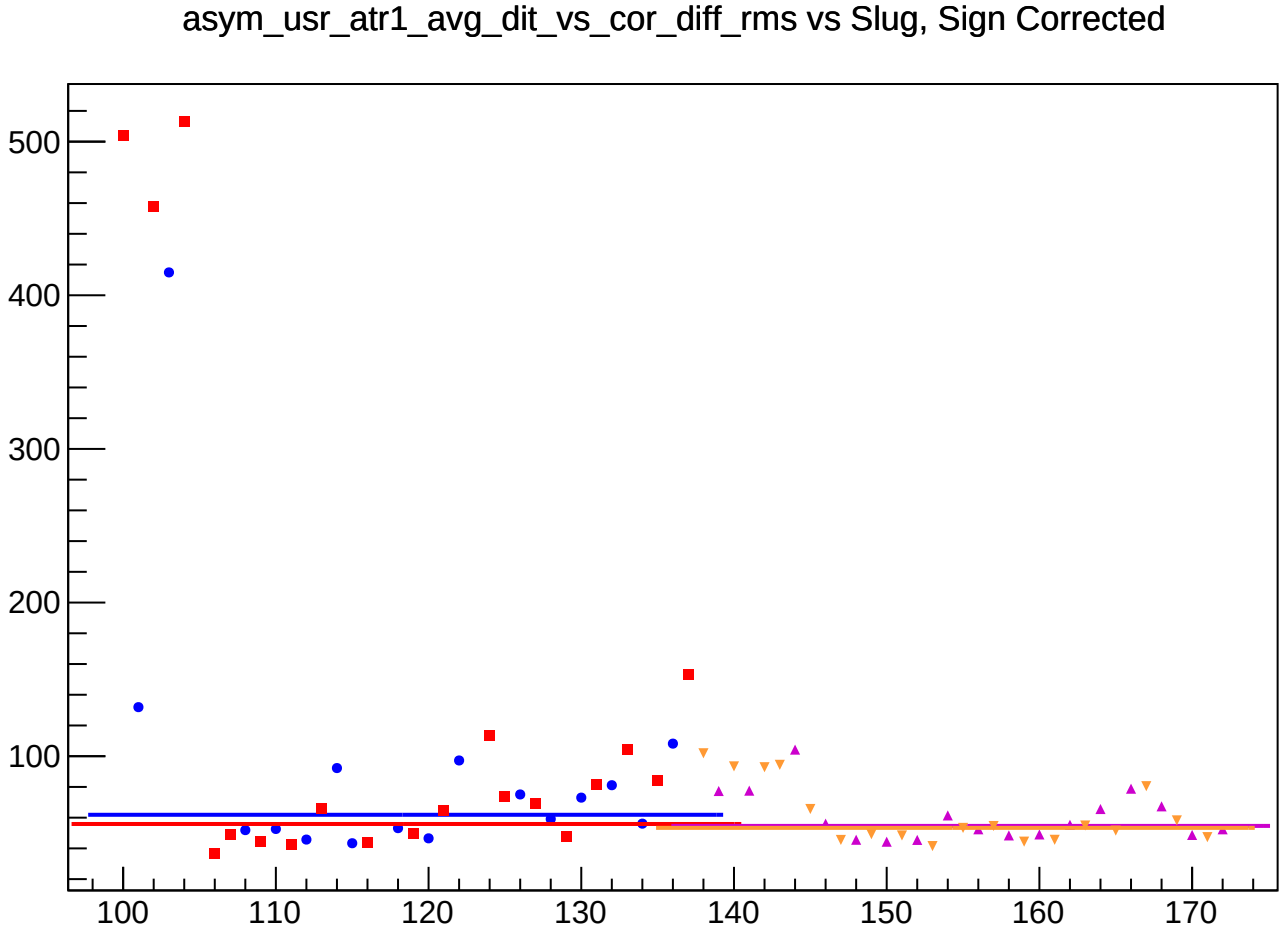
Left: -0.016+/-0.011 χ^2/NDF: 41.8/34

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.019+/-0.014 χ^2/NDF:36.8/32

Out: -0.019+/-0.013 χ^2/NDF:41.8/36

All: -0.019+/-0.009 χ^2/NDF: 78.6/69



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 53.356+/-0.011 χ^2/NDF:1570065.6/17

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: 53.991+/-0.008 χ^2/NDF: 2719219.6/34

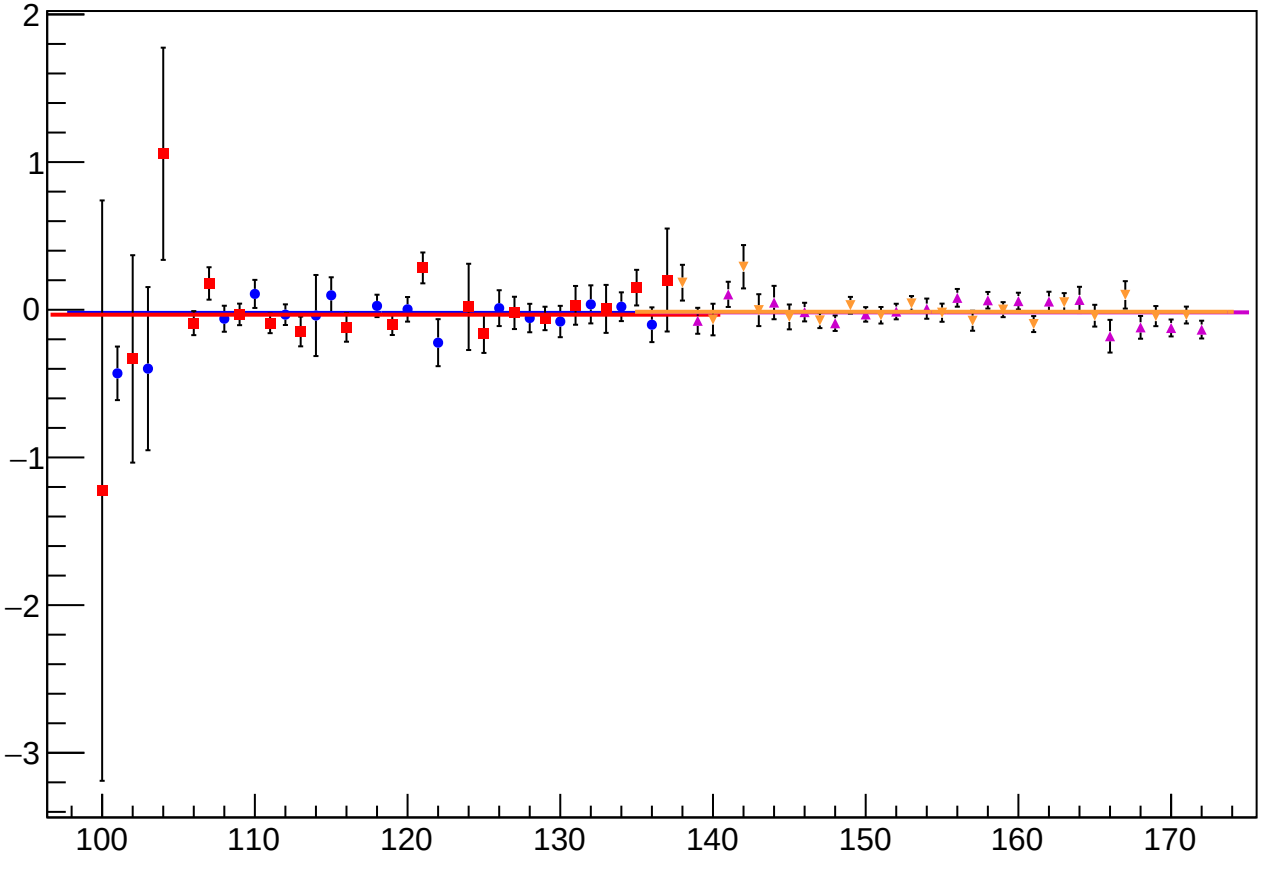
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.520+/-0.010 χ^2/NDF:3190304.9/32

Out: 54.081+/-0.009 χ^2/NDF:4176467.0/36

All: 55.267+/-0.007 χ^2/NDF: 7400129.0/69

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: -0.014+/-0.016 χ^2/NDF:17.0/17

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.018+/-0.016 χ^2/NDF:24.8/16

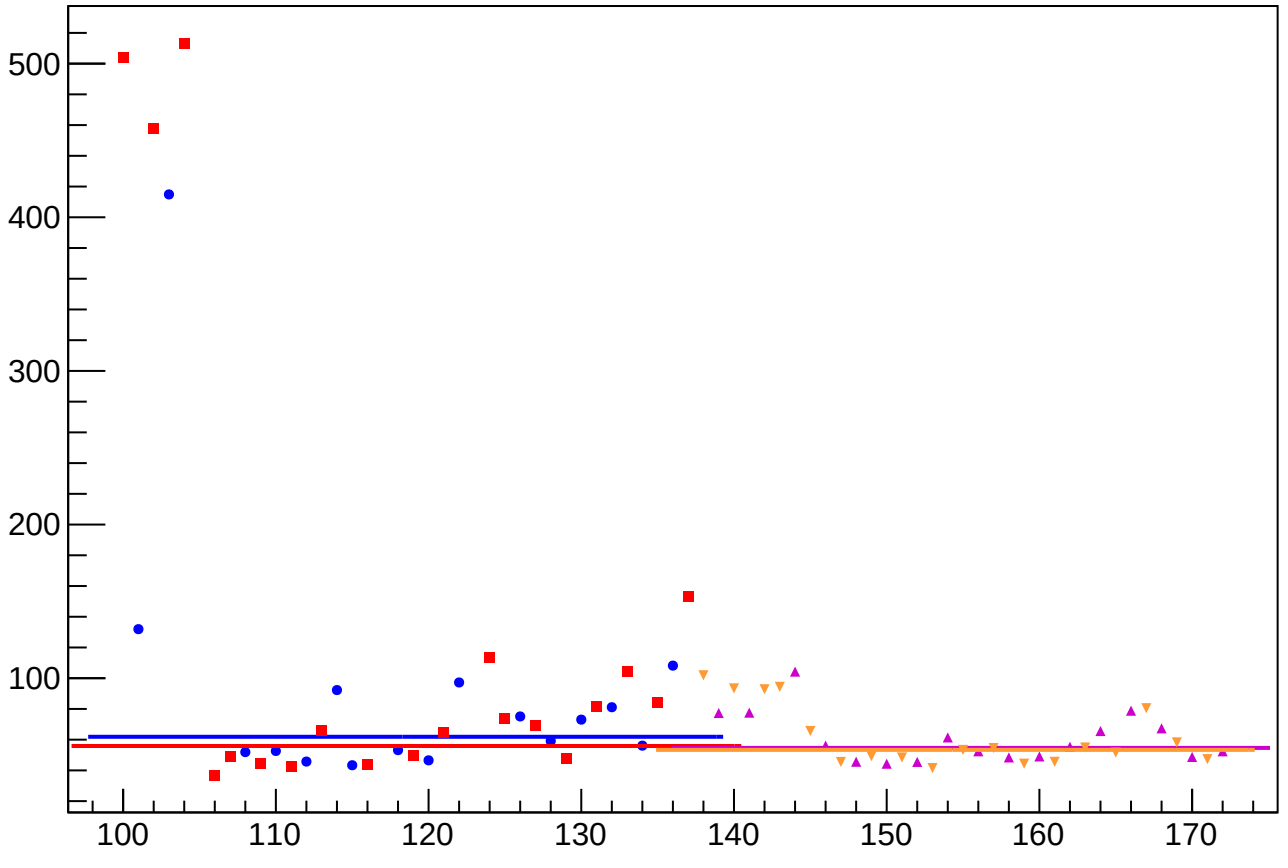
Left: -0.016+/-0.011 χ^2/NDF: 41.8/34

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.019+/-0.014 χ^2/NDF:36.8/32

Out: -0.019+/-0.013 χ^2/NDF:41.8/36

All: -0.019+/-0.009 χ^2/NDF: 78.6/69



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 53.356+/-0.011 χ^2/NDF:1570065.6/17

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.639+/-0.011 χ^2/NDF:1142435.4/16

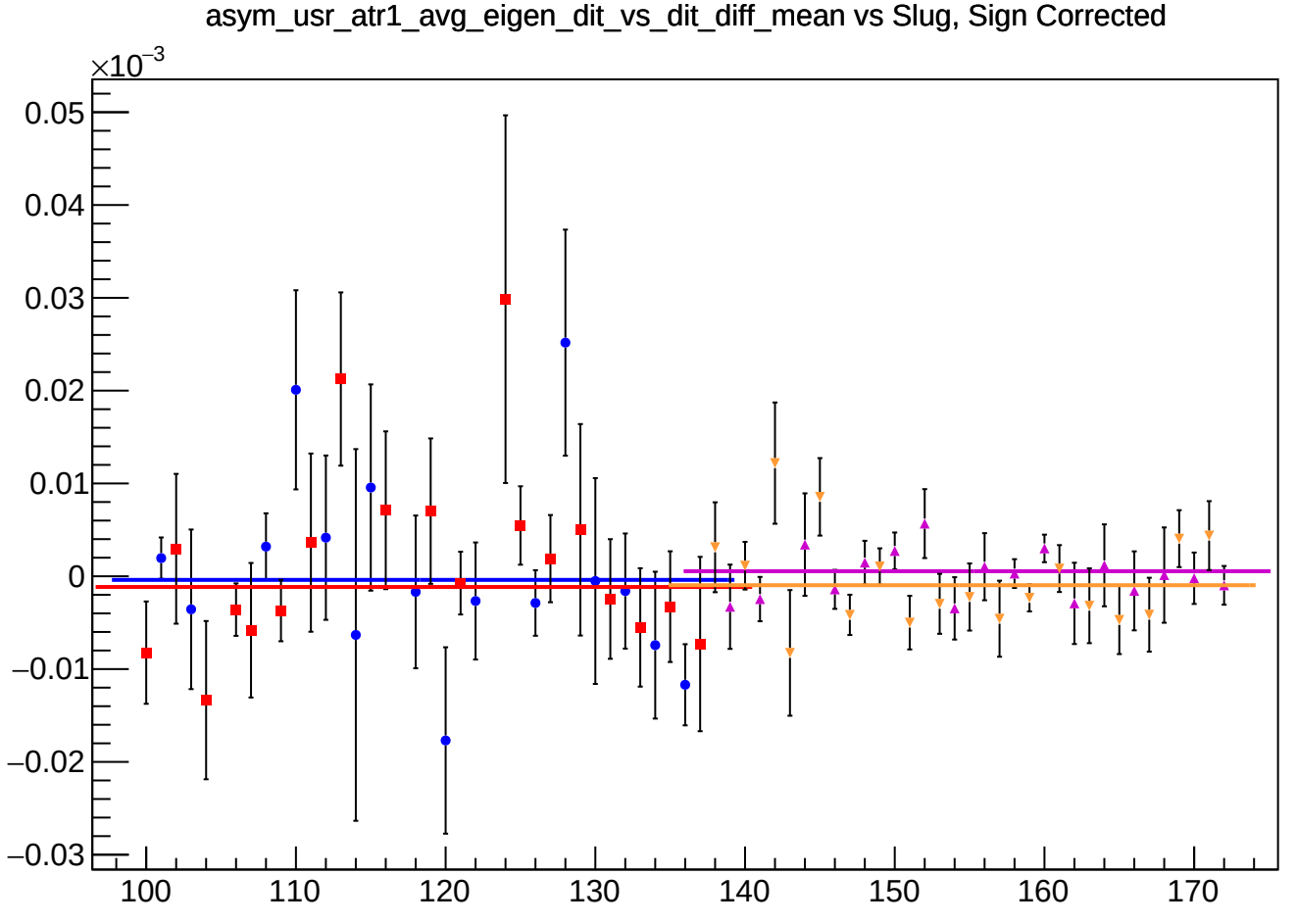
Left: 53.991+/-0.008 χ^2/NDF: 2719219.6/34

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.520+/-0.010 χ^2/NDF:3190304.9/32

Out: 54.081+/-0.009 χ^2/NDF:4176467.0/36

All: 55.267+/-0.007 χ^2/NDF: 7400129.0/69



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.4/17

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:12.4/16

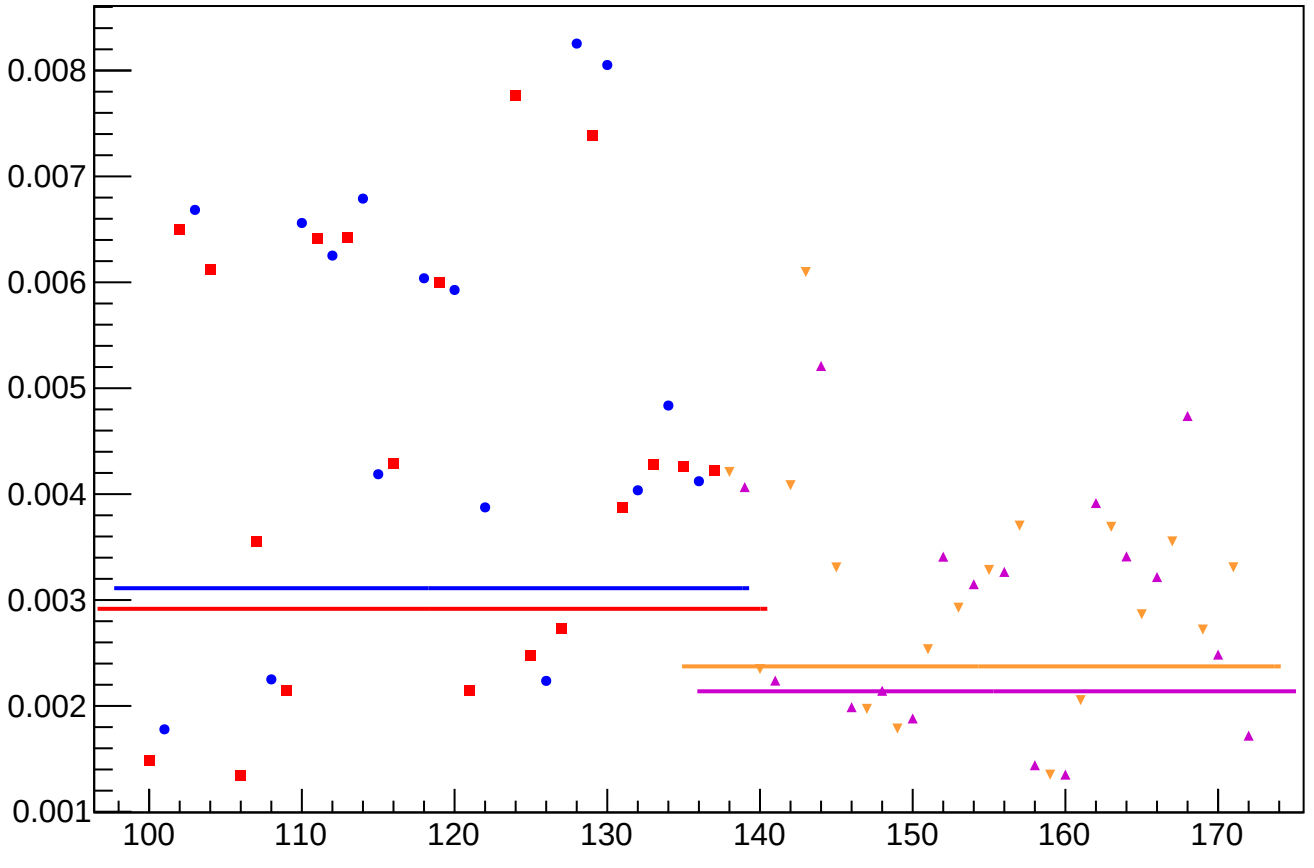
Left: -0.000+/-0.000 χ^2/NDF: 41.4/34

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:46.8/36

All: -0.000+/-0.000 χ^2/NDF: 85.0/69



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:3369037.6/17

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: 7352583.2/34

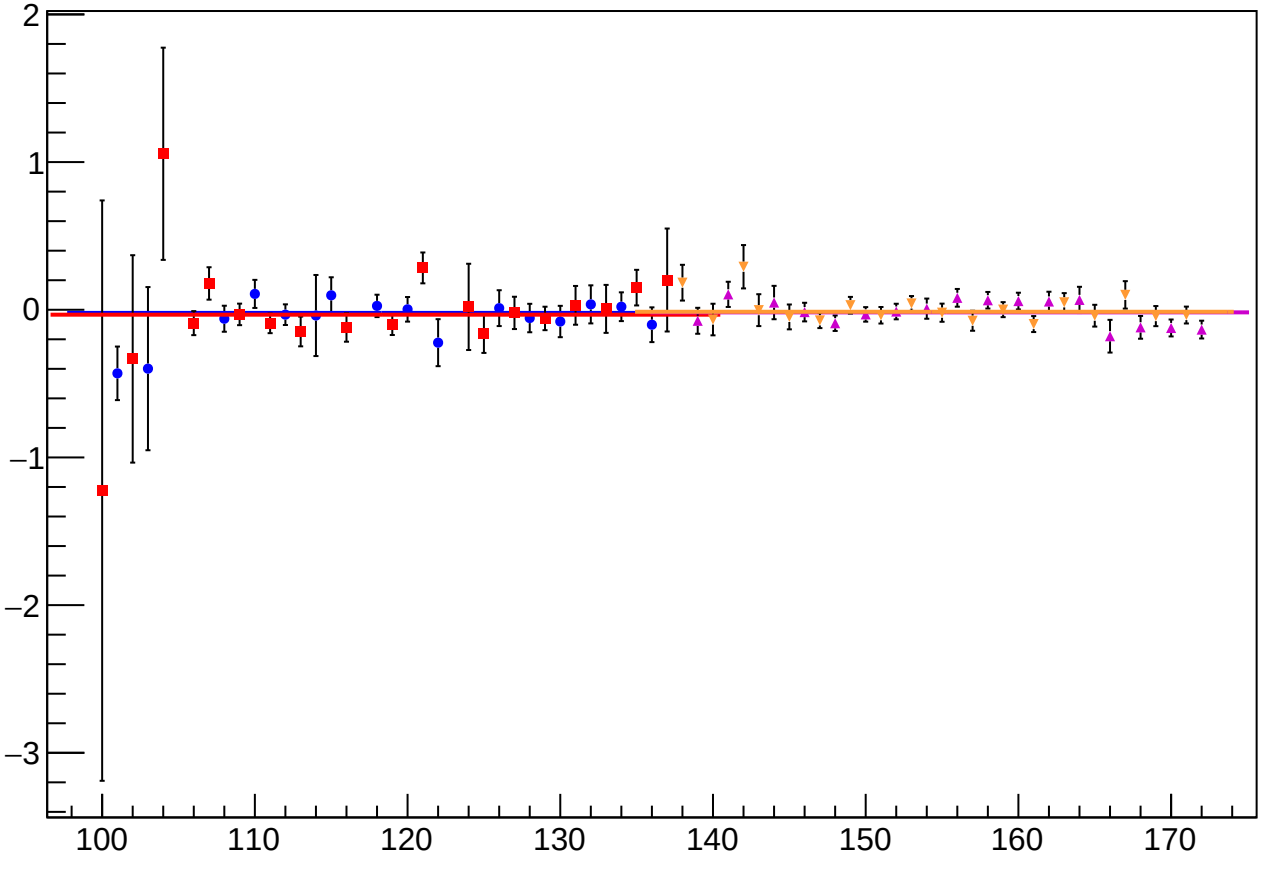
Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.002+/-0.000 χ^2/NDF:8015950.5/32

Out: 0.002+/-0.000 χ^2/NDF:6954320.2/36

All: 0.002+/-0.000 χ^2/NDF: 15072269.0/69

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.014+/-0.016 χ^2/NDF:17.0/17

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.018+/-0.016 χ^2/NDF:24.8/16

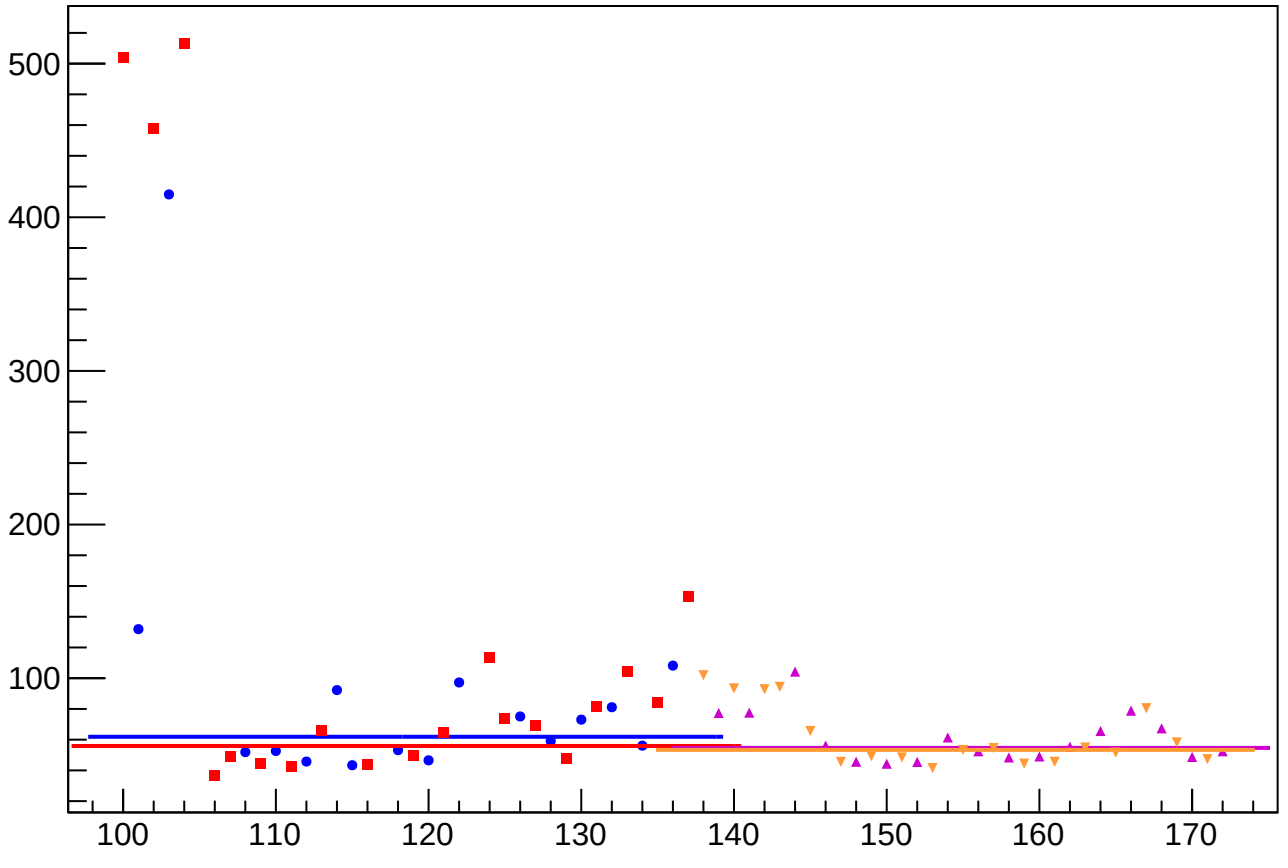
Left: -0.016+/-0.011 χ^2/NDF: 41.8/34

Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.019+/-0.014 χ^2/NDF:36.8/32

Out: -0.019+/-0.013 χ^2/NDF:41.8/36

All: -0.019+/-0.009 χ^2/NDF: 78.6/69



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 53.356+/-0.011 χ^2/NDF:1570107.0/17

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: 53.992+/-0.008 χ^2/NDF: 2719254.8/34

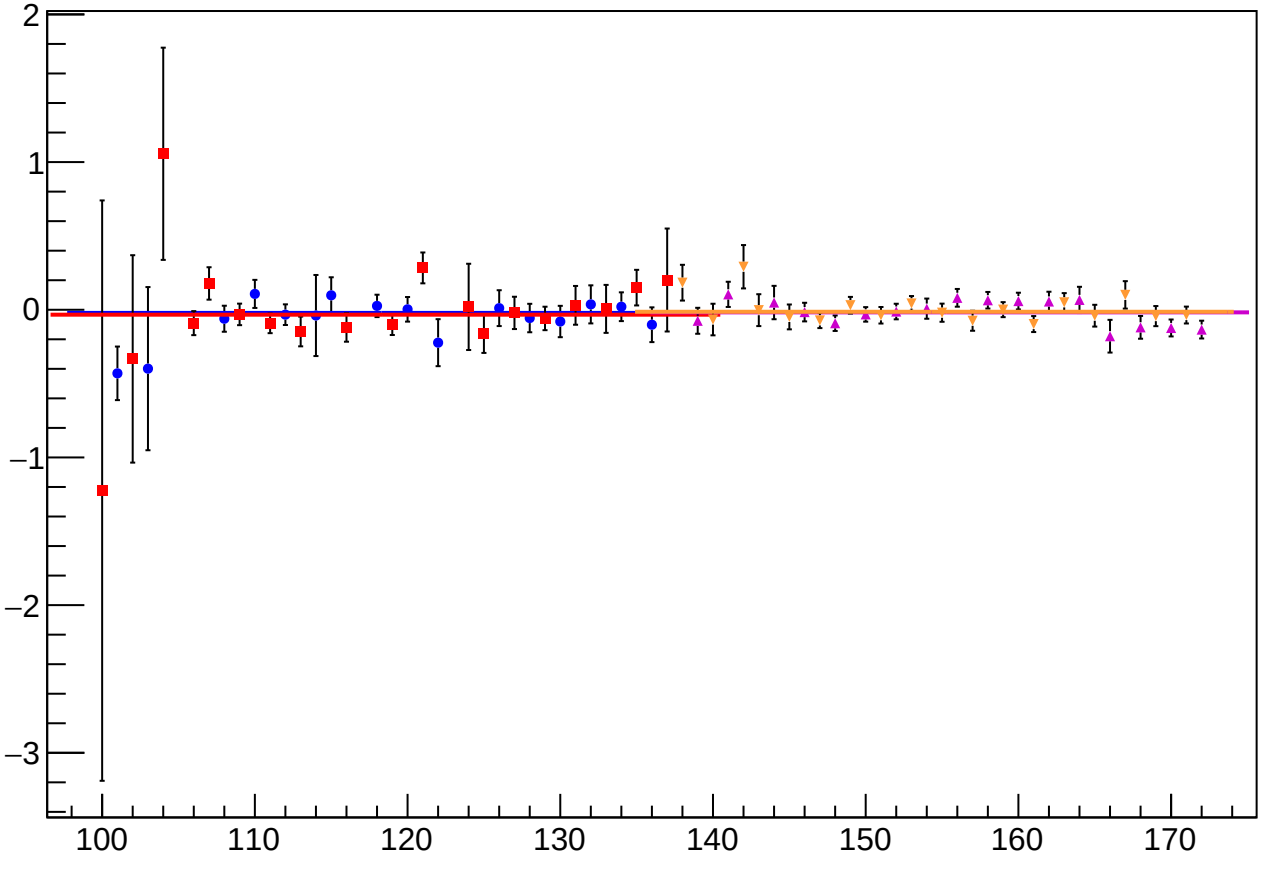
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.520+/-0.010 χ^2/NDF:3190222.5/32

Out: 54.081+/-0.009 χ^2/NDF:4176456.9/36

All: 55.266+/-0.007 χ^2/NDF: 7400042.6/69

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: -0.014+/-0.016 χ^2/NDF:17.0/17

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: -0.016+/-0.011 χ^2/NDF: 41.8/34

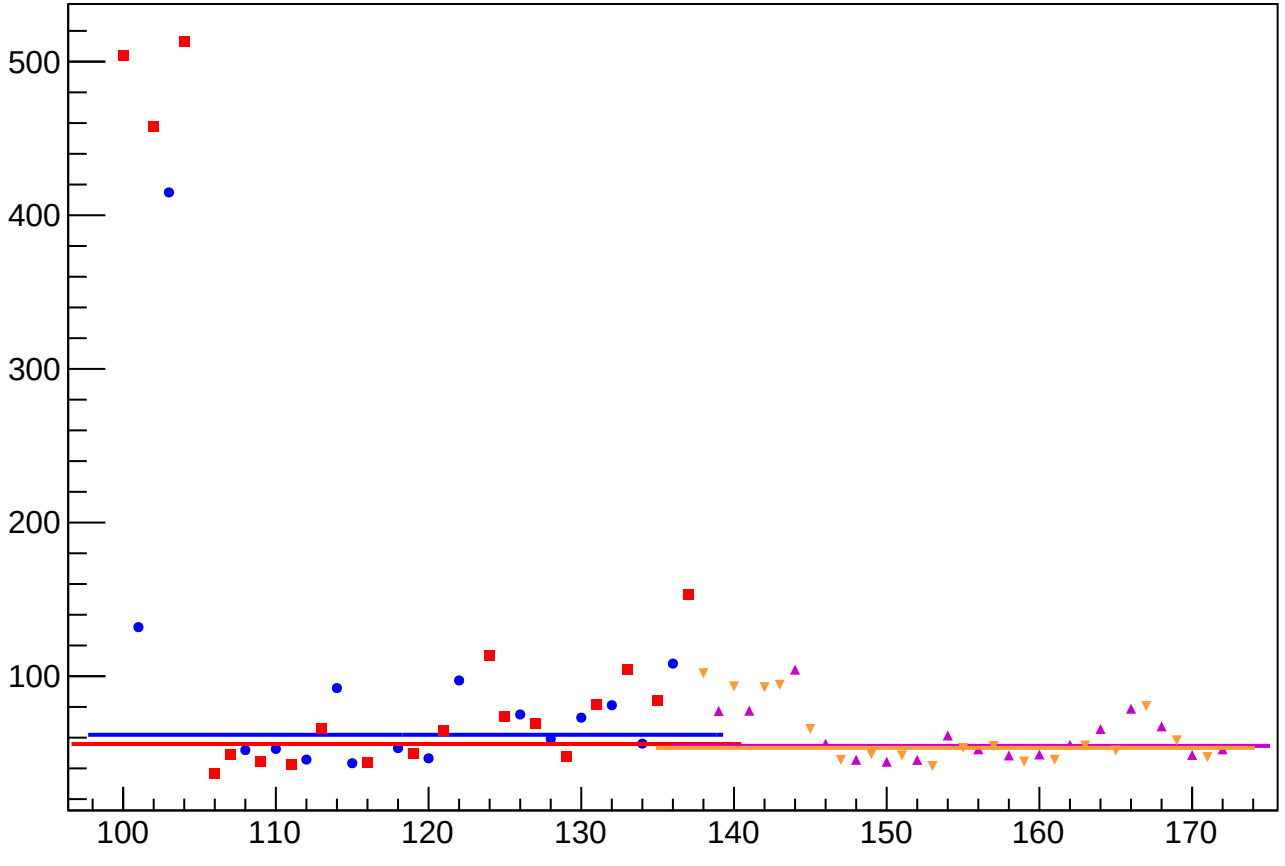
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.019+/-0.014 χ^2/NDF:36.8/32

Out: -0.019+/-0.013 χ^2/NDF:41.8/36

All: -0.019+/-0.009 χ^2/NDF: 78.6/69

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: 53.356+/-0.011 χ^2/NDF:1570107.0/17

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.640+/-0.011 χ^2/NDF:1142427.3/16

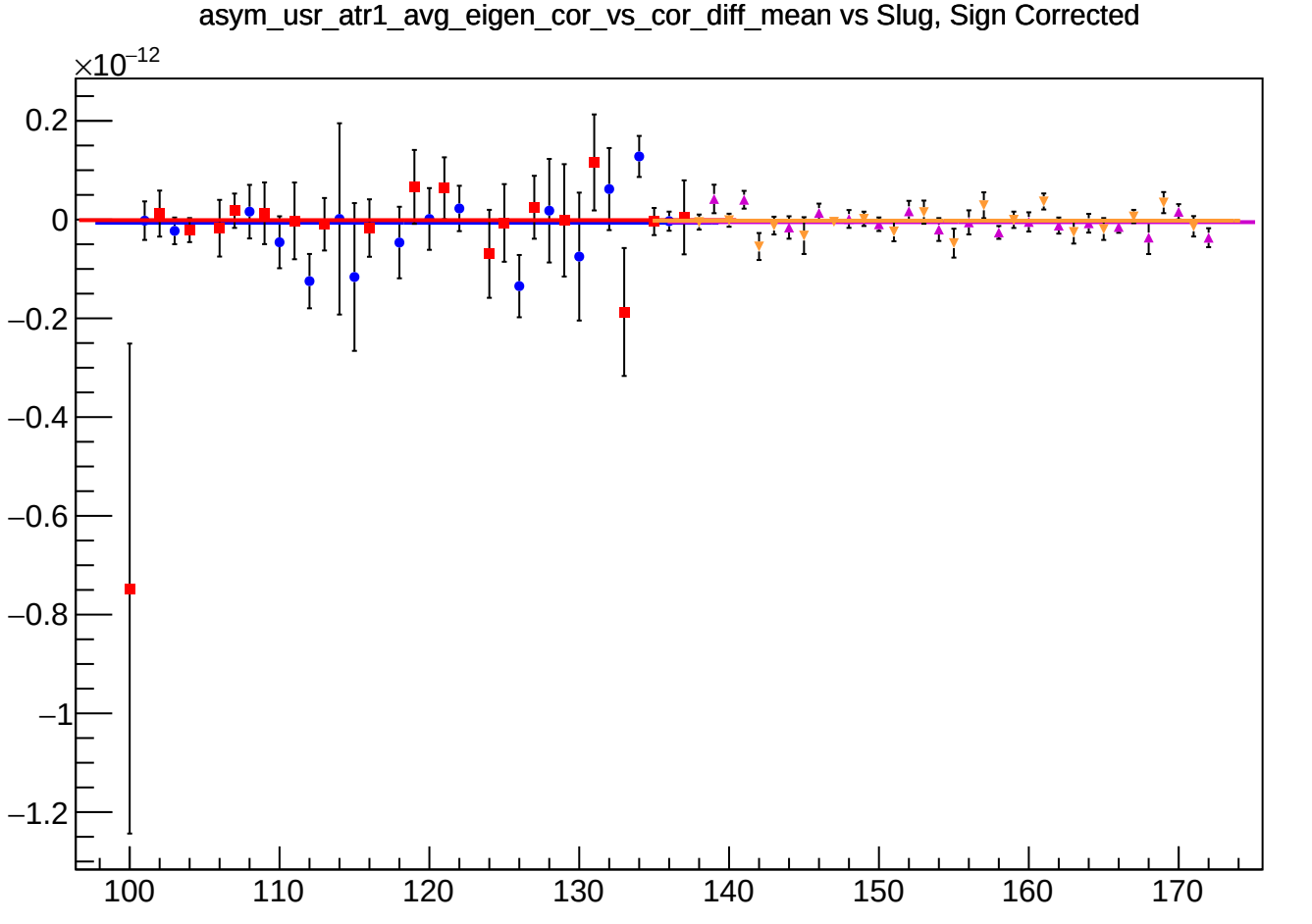
Left: 53.992+/-0.008 χ^2/NDF: 2719254.8/34

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.520+/-0.010 χ^2/NDF:3190222.5/32

Out: 54.081+/-0.009 χ^2/NDF:4176456.9/36

All: 55.266+/-0.007 χ^2/NDF: 7400042.6/69



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/17

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:20.7/16

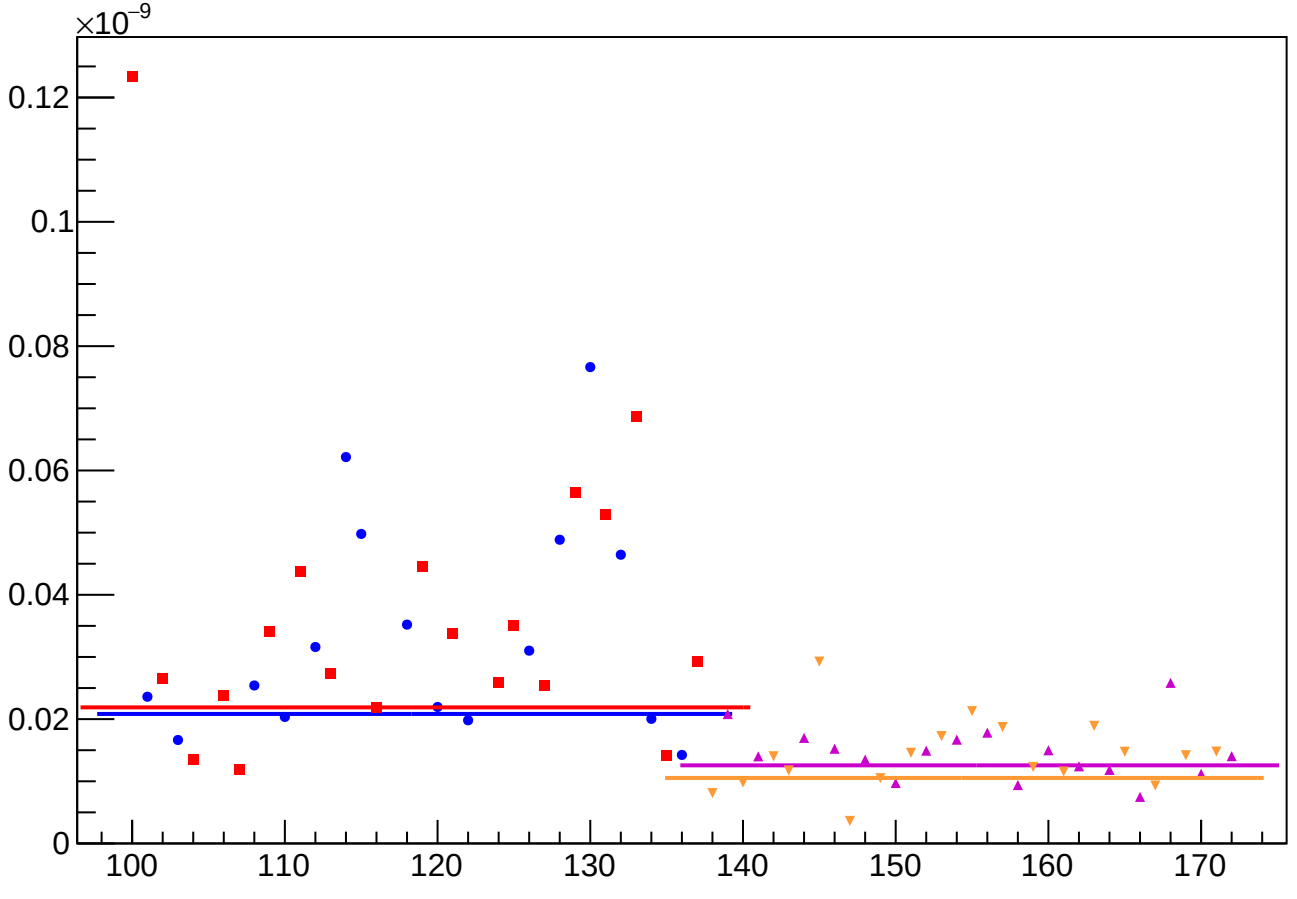
Left: -0.000+/-0.000 χ^2/NDF: 42.3/34

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:31.0/36

All: -0.000+/-0.000 χ^2/NDF: 74.7/69



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3211082.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1418986.4/16

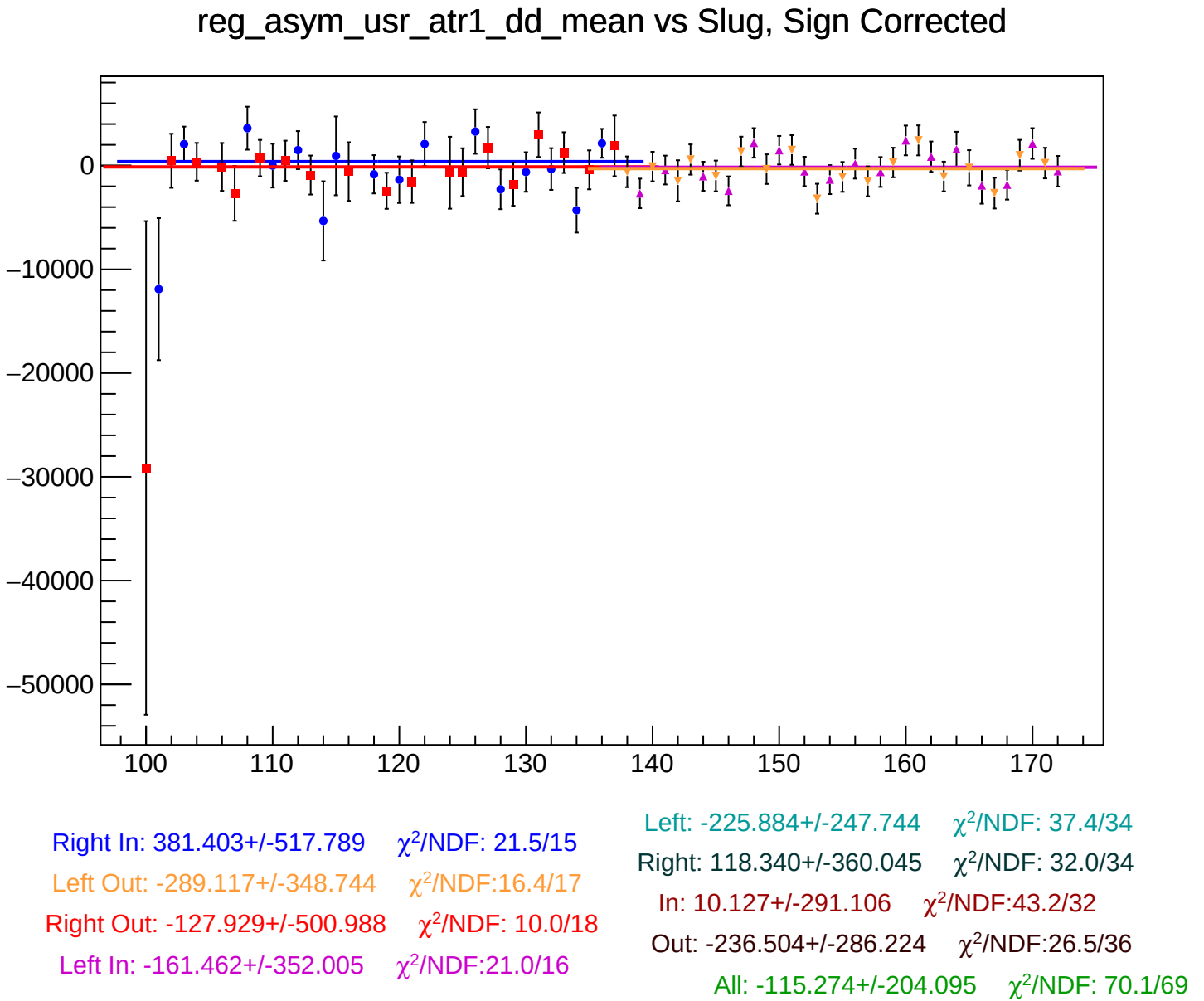
Left: 0.000+/-0.000 χ^2/NDF: 4866306.3/34

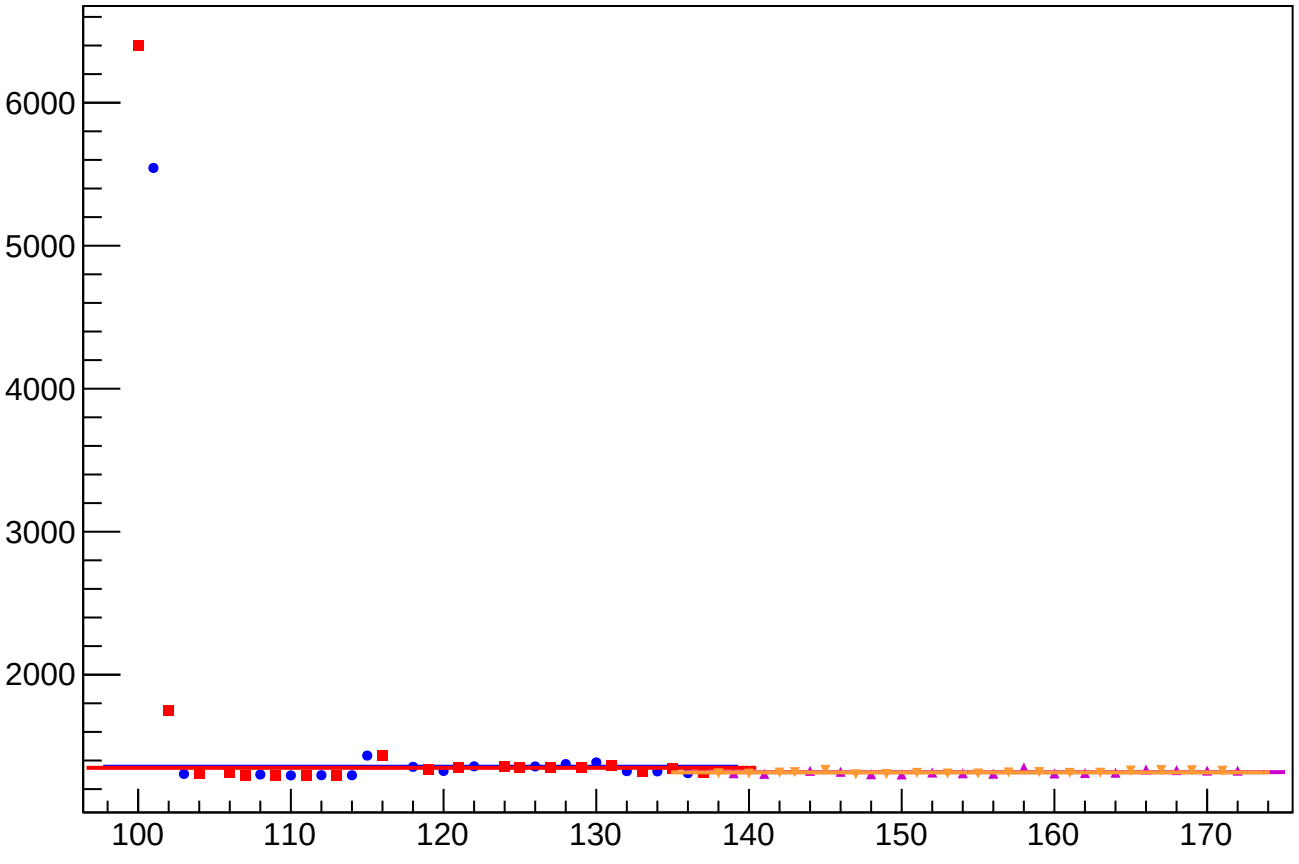
Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:3738668.7/32

Out: 0.000+/-0.000 χ^2/NDF:6753743.4/36

All: 0.000+/-0.000 χ^2/NDF: 10738161.7/69


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: -289.117+/-348.744 χ²/NDF:16.4/17
Right Out: -127.929+/-500.988 χ²/NDF: 10.0/18
Left In: -161.462+/-352.005 χ²/NDF:21.0/16
Left: -225.884+/-247.744 χ²/NDF: 37.4/34
Right: 118.340+/-360.045 χ²/NDF: 32.0/34
In: 10.127+/-291.106 χ²/NDF:43.2/32
Out: -236.504+/-286.224 χ²/NDF:26.5/36
All: -115.274+/-204.095 χ²/NDF: 70.1/69



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1316.931+/-0.247 χ^2/NDF:1579.1/17

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1318.686+/-0.249 χ^2/NDF:2754.1/16

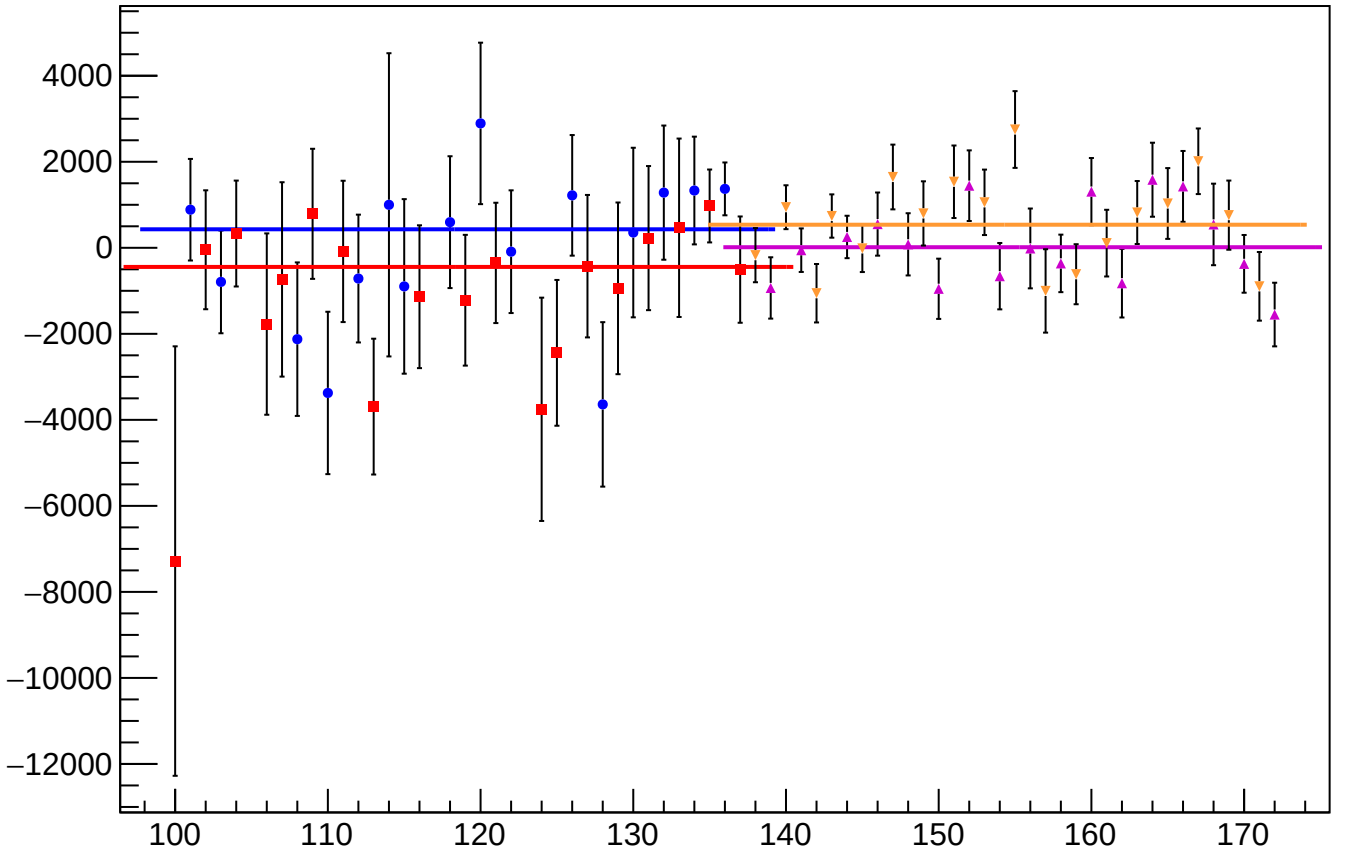
Left: 1317.800+/-0.175 χ^2/NDF: 4358.3/34

Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1330.606+/-0.206 χ^2/NDF:770275.9/32

Out: 1327.390+/-0.202 χ^2/NDF:154356.0/36

All: 1328.971+/-0.144 χ^2/NDF: 924756.0/69



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 536.736+/-165.096 χ^2/NDF:32.0/17

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: 13.627+/-172.642 χ^2/NDF:23.8/16

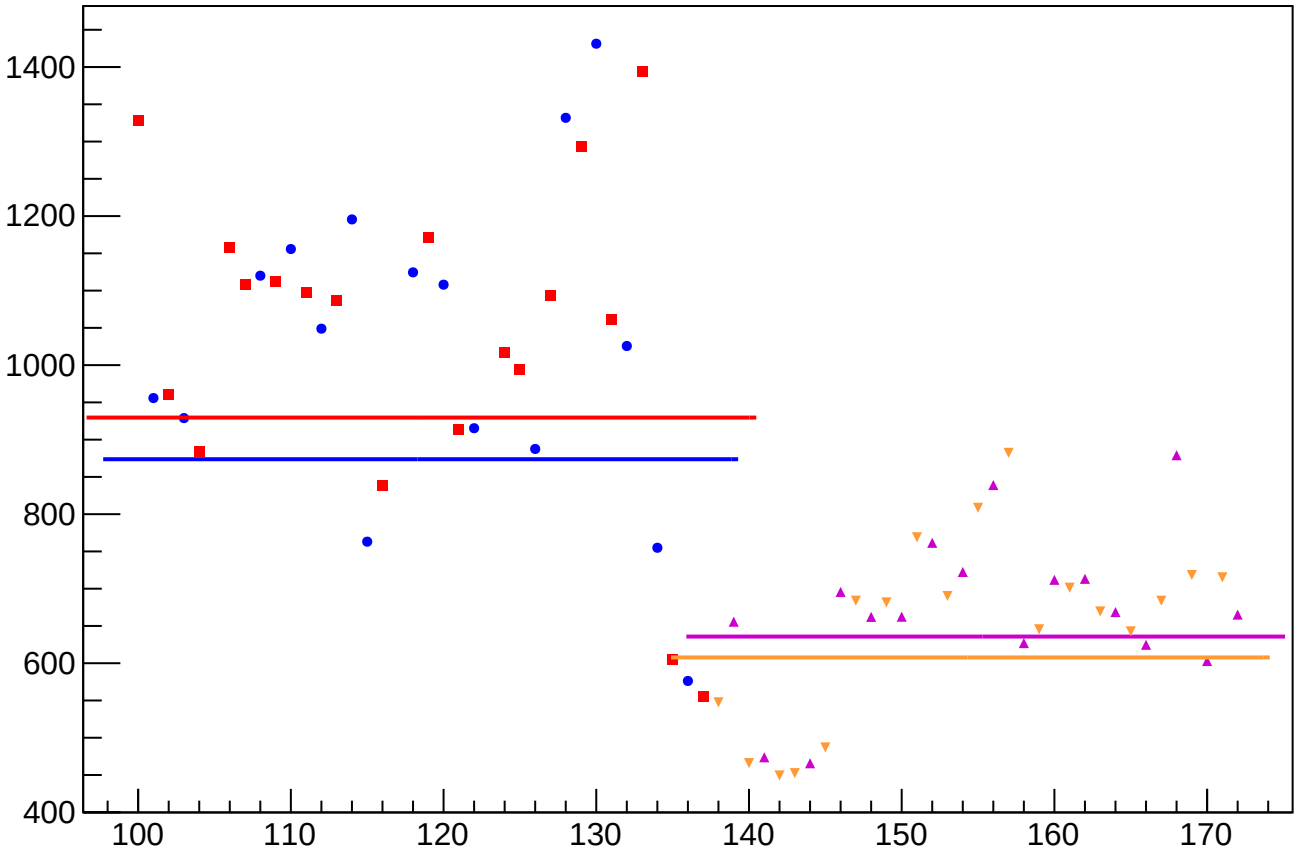
Left: 286.863+/-119.319 χ^2/NDF: 60.6/34

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 99.668+/-153.790 χ^2/NDF:43.3/32

Out: 362.722+/-149.744 χ^2/NDF:52.6/36

All: 234.701+/-107.287 χ^2/NDF: 97.4/69



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 607.748+/-0.117 χ^2/NDF:1113454.2/17

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 635.771+/-0.122 χ^2/NDF:812655.6/16

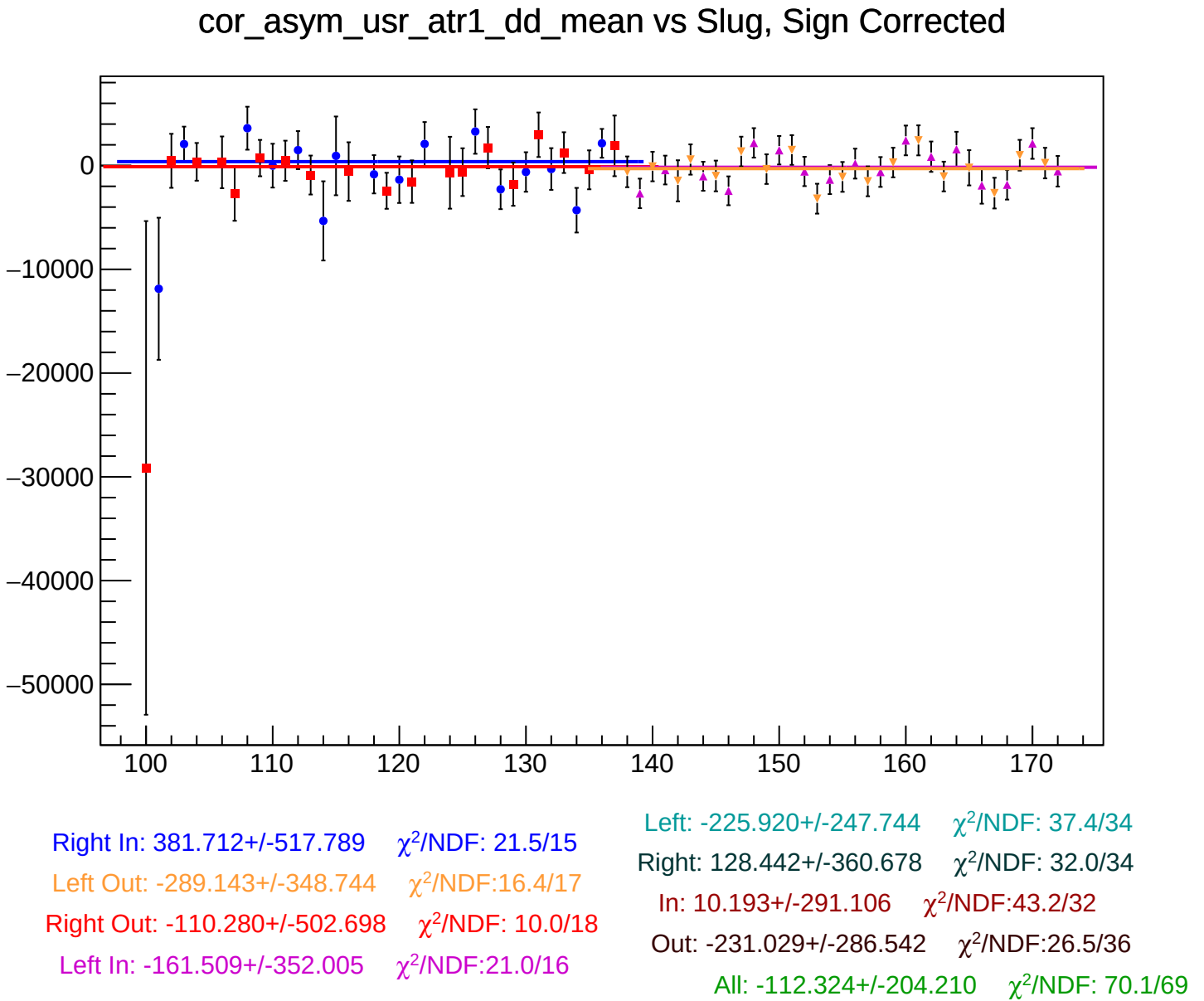
Left: 621.134+/-0.084 χ^2/NDF: 1953633.7/34

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

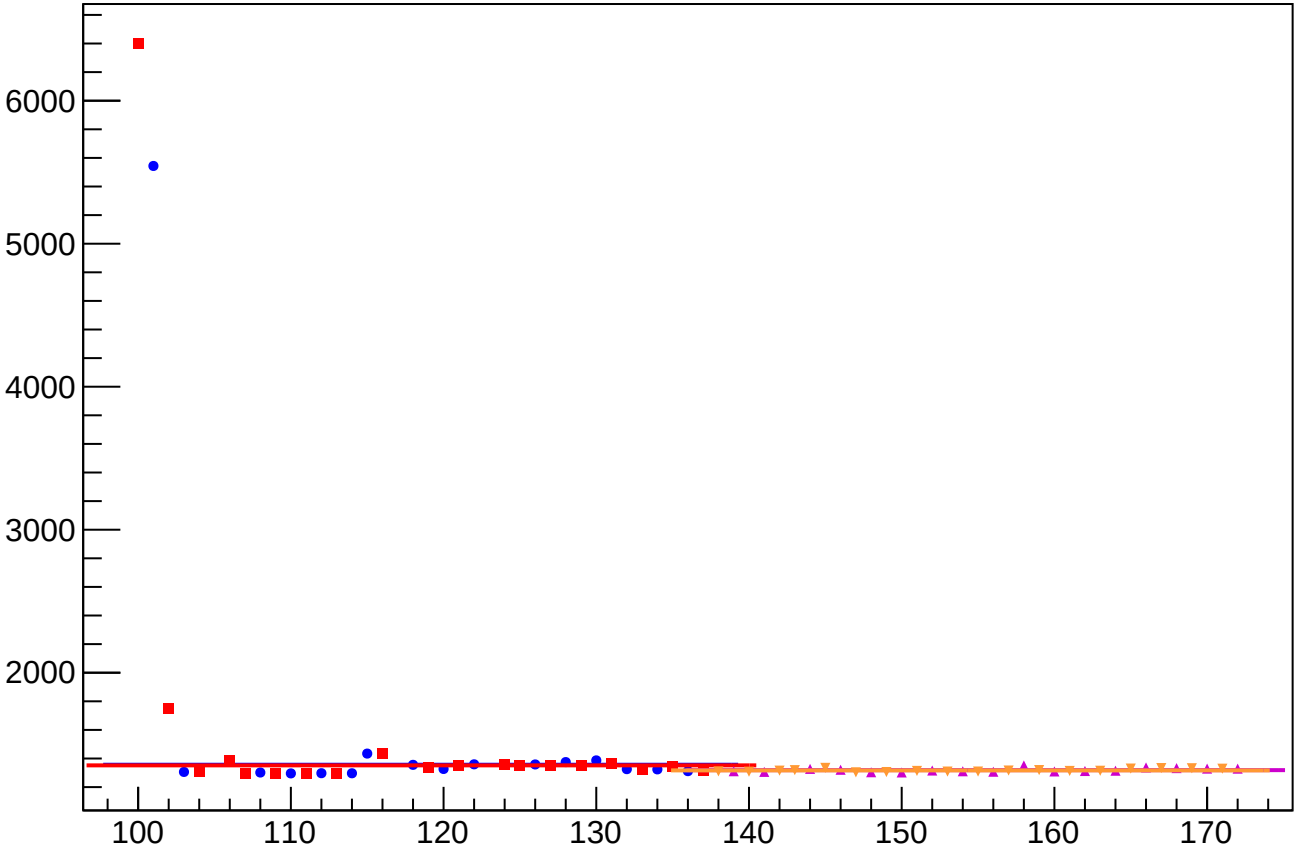
In: 684.902+/-0.109 χ^2/NDF:2612022.3/32

Out: 664.829+/-0.106 χ^2/NDF:3321592.9/36

All: 674.598+/-0.076 χ^2/NDF: 5951104.1/69


cor_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: 381.712+/-517.789 χ²/NDF: 21.5/15
Left Out: -289.143+/-348.744 χ²/NDF:16.4/17
Right Out: -110.280+/-502.698 χ²/NDF: 10.0/18
Left In: -161.509+/-352.005 χ²/NDF:21.0/16
Left: -225.920+/-247.744 χ²/NDF: 37.4/34
Right: 128.442+/-360.678 χ²/NDF: 32.0/34
In: 10.193+/-291.106 χ²/NDF:43.2/32
Out: -231.029+/-286.542 χ²/NDF:26.5/36
All: -112.324+/-204.210 χ²/NDF: 70.1/69

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1316.931+/-0.247 χ^2/NDF:1579.1/17

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1318.686+/-0.249 χ^2/NDF:2754.1/16

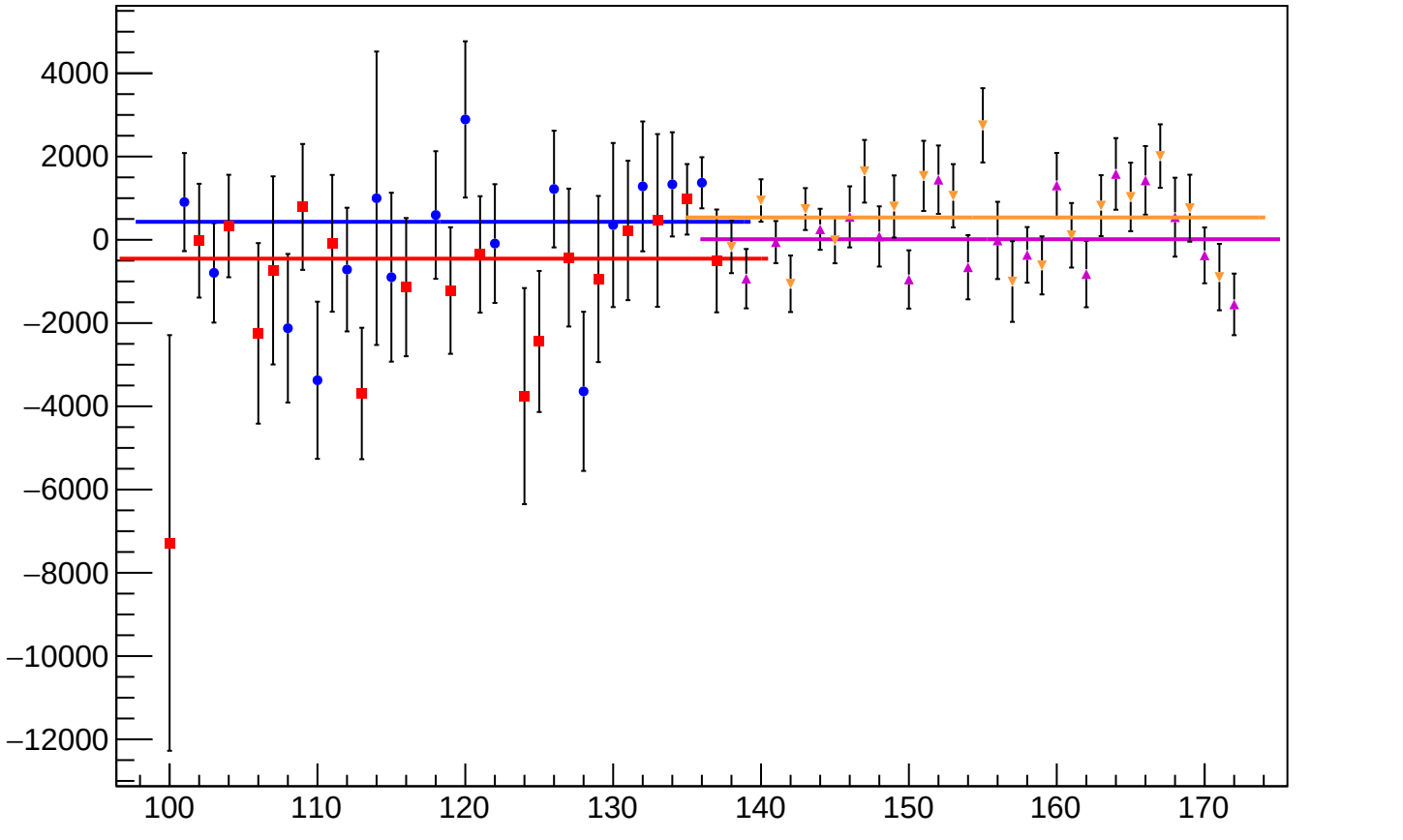
Left: 1317.800+/-0.175 χ^2/NDF: 4358.3/34

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.606+/-0.206 χ^2/NDF:770275.0/32

Out: 1328.353+/-0.203 χ^2/NDF:155507.8/36

All: 1329.461+/-0.144 χ^2/NDF: 925843.6/69



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 536.706+/-165.096 χ^2/NDF:32.0/17

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: 286.845+/-119.318 χ^2/NDF: 60.6/34

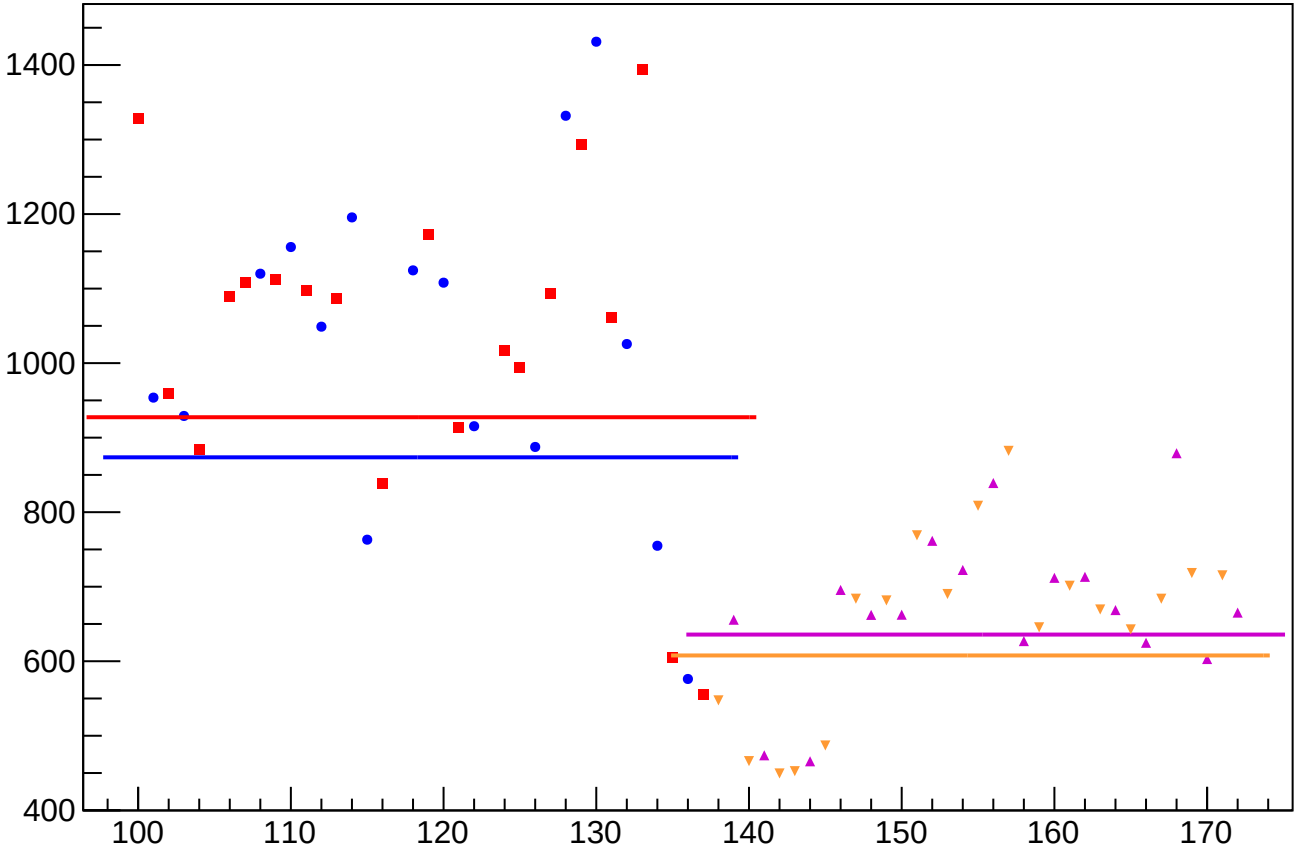
Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 100.055+/-153.784 χ^2/NDF:43.3/32

Out: 361.197+/-149.744 χ^2/NDF:53.0/36

All: 234.101+/-107.285 χ^2/NDF: 97.8/69

asym_usr_atr1_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 607.749+/-0.117 χ^2/NDF:1113375.0/17

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 635.766+/-0.122 χ^2/NDF:812720.1/16

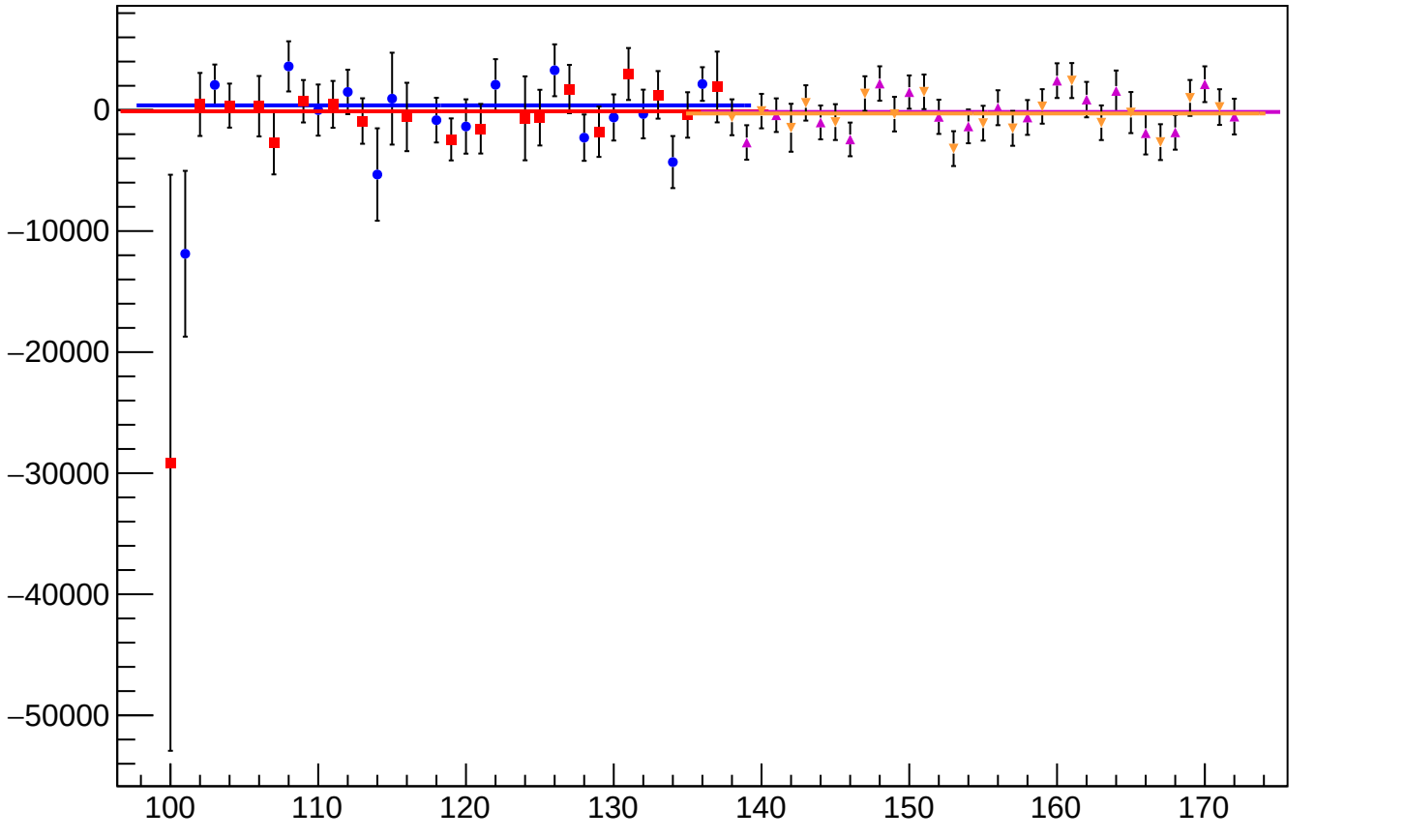
Left: 621.132+/-0.084 χ^2/NDF: 1953608.3/34

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 684.884+/-0.109 χ^2/NDF:2611043.1/32

Out: 664.433+/-0.106 χ^2/NDF:3290315.5/36

All: 674.386+/-0.076 χ^2/NDF: 5919514.5/69



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -289.143+/-348.744 χ^2/NDF:16.4/17

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -161.509+/-352.005 χ^2/NDF:21.0/16

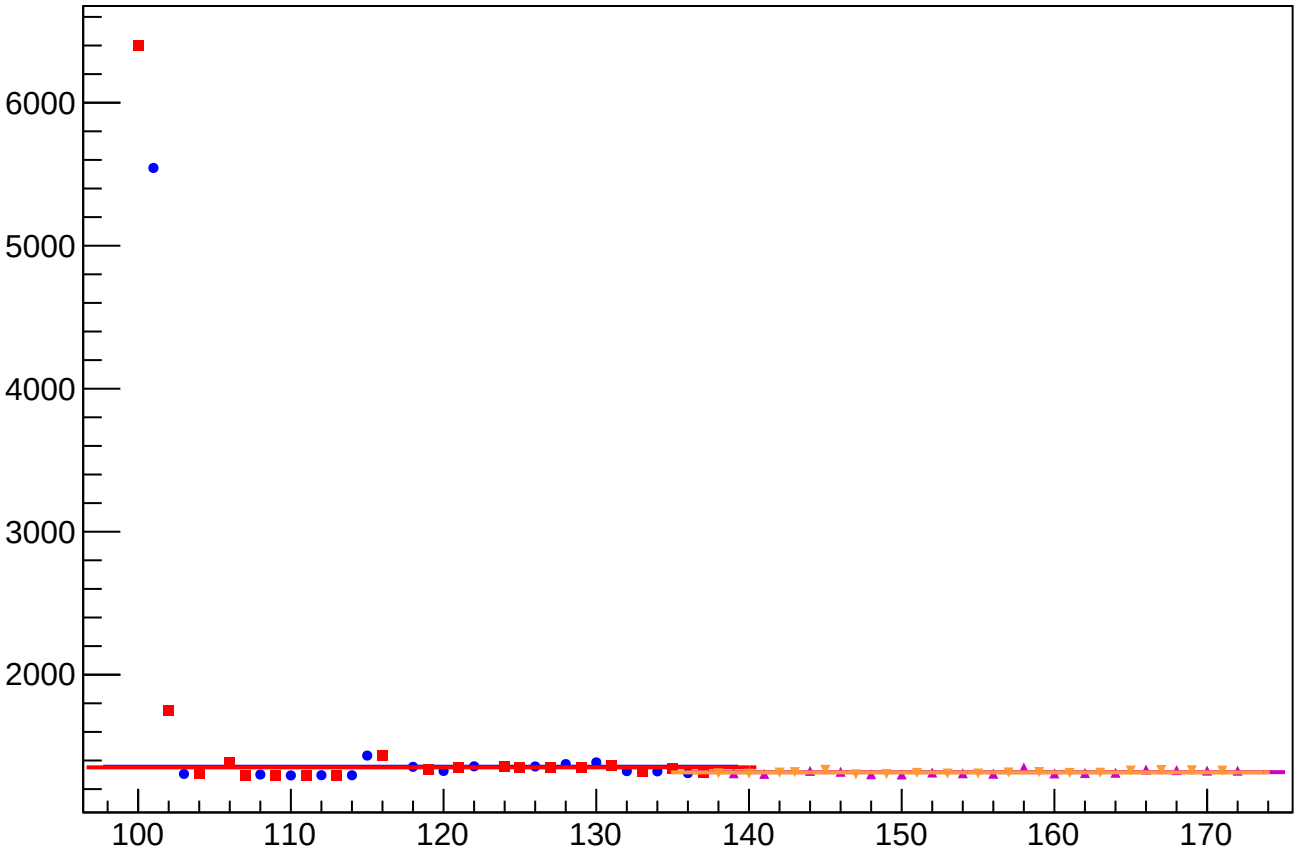
Left: -225.920+/-247.744 χ^2/NDF: 37.4/34

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 10.193+/-291.106 χ^2/NDF:43.2/32

Out: -231.029+/-286.542 χ^2/NDF:26.5/36

All: -112.324+/-204.210 χ^2/NDF: 70.1/69



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1316.931+/-0.247 χ^2/NDF:1579.1/17

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1318.686+/-0.249 χ^2/NDF:2754.1/16

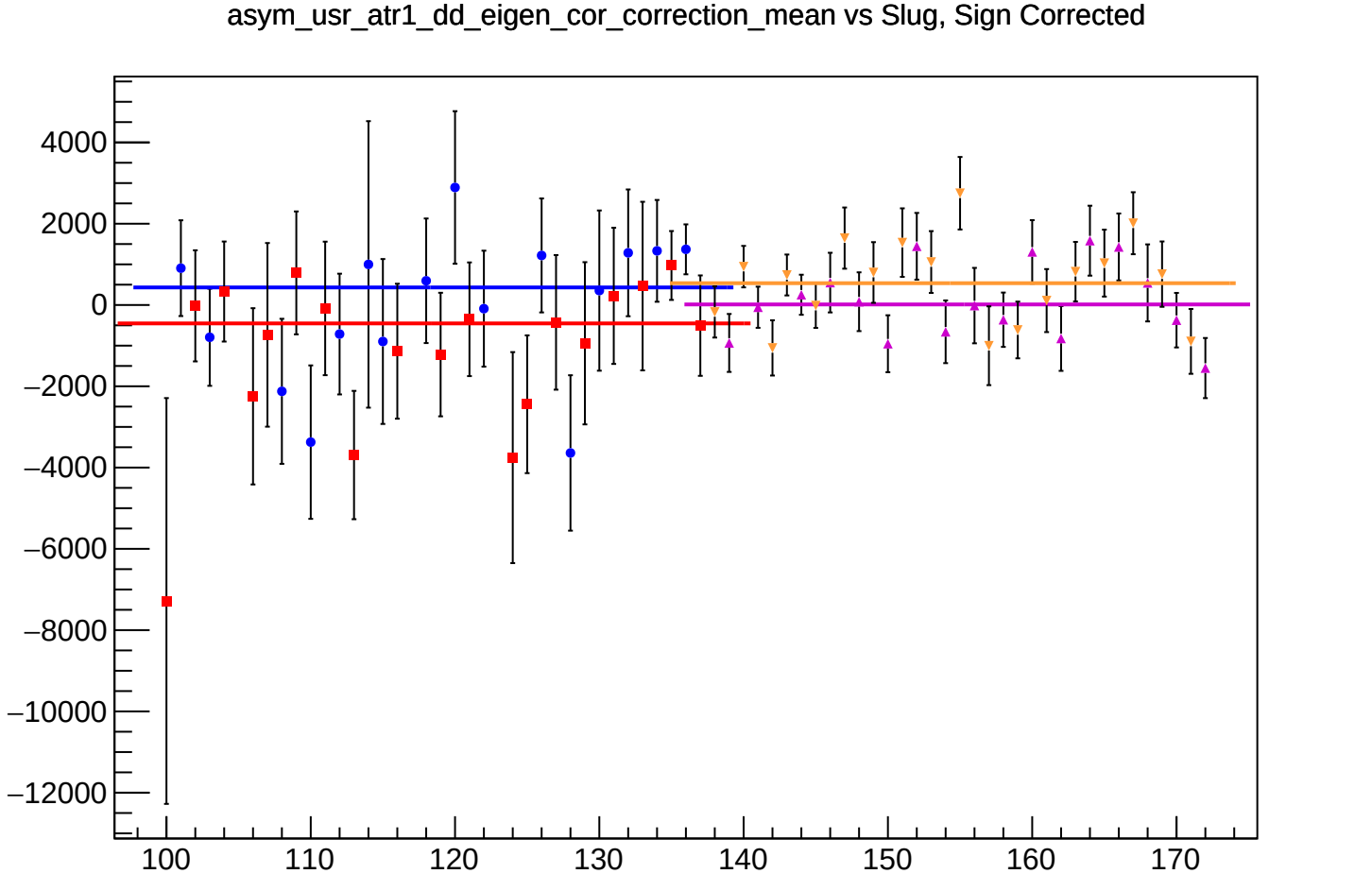
Left: 1317.800+/-0.175 χ^2/NDF: 4358.3/34

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.606+/-0.206 χ^2/NDF:770275.0/32

Out: 1328.353+/-0.203 χ^2/NDF:155507.8/36

All: 1329.461+/-0.144 χ^2/NDF: 925843.6/69



Right In: 432.135+/-338.403 χ^2/NDF: 18.2/15

Left Out: 536.706+/-165.096 χ^2/NDF:32.0/17

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: 286.845+/-119.318 χ^2/NDF: 60.6/34

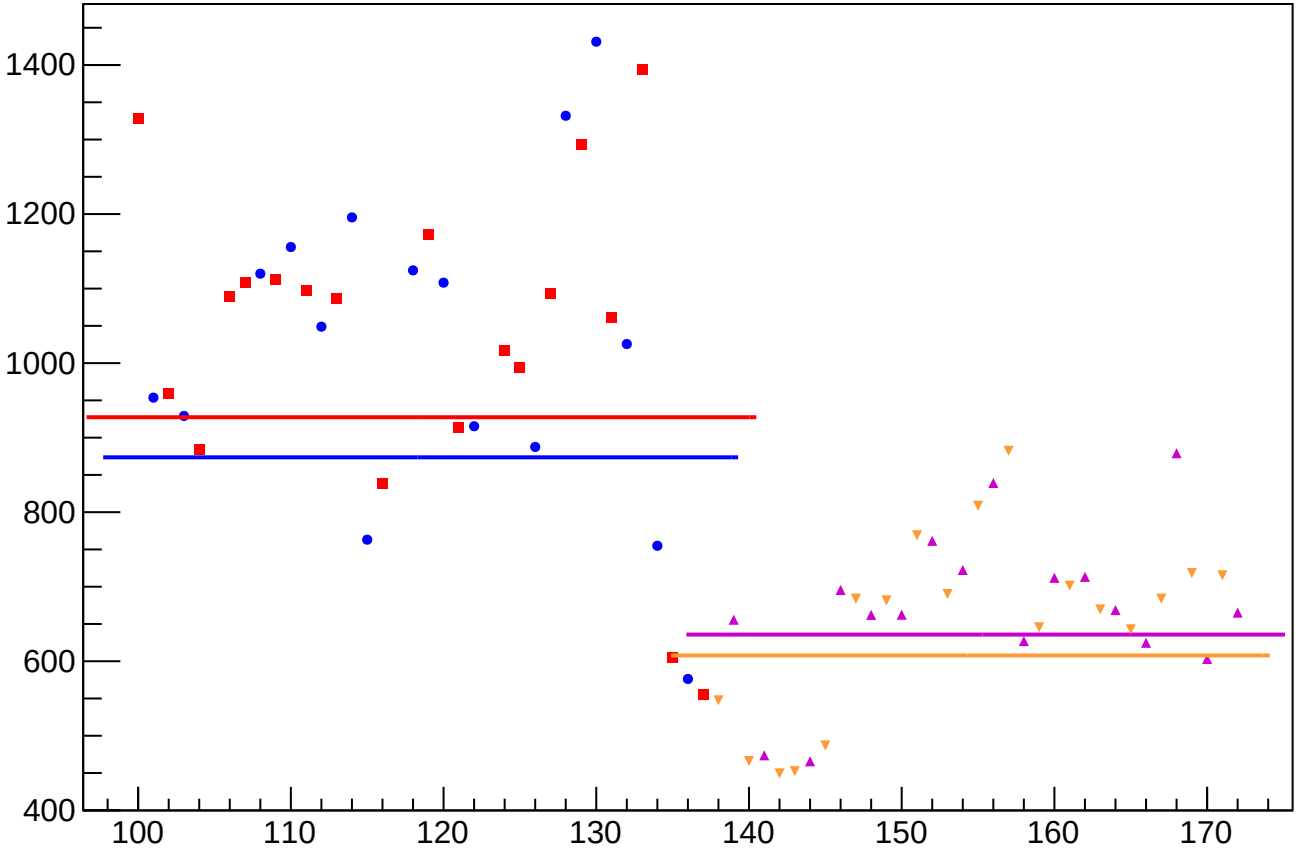
Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 100.055+/-153.784 χ^2/NDF:43.3/32

Out: 361.197+/-149.744 χ^2/NDF:53.0/36

All: 234.101+/-107.285 χ^2/NDF: 97.8/69

asym_usr_atr1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 607.749+/-0.117 χ^2/NDF:1113375.0/17

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 635.766+/-0.122 χ^2/NDF:812720.1/16

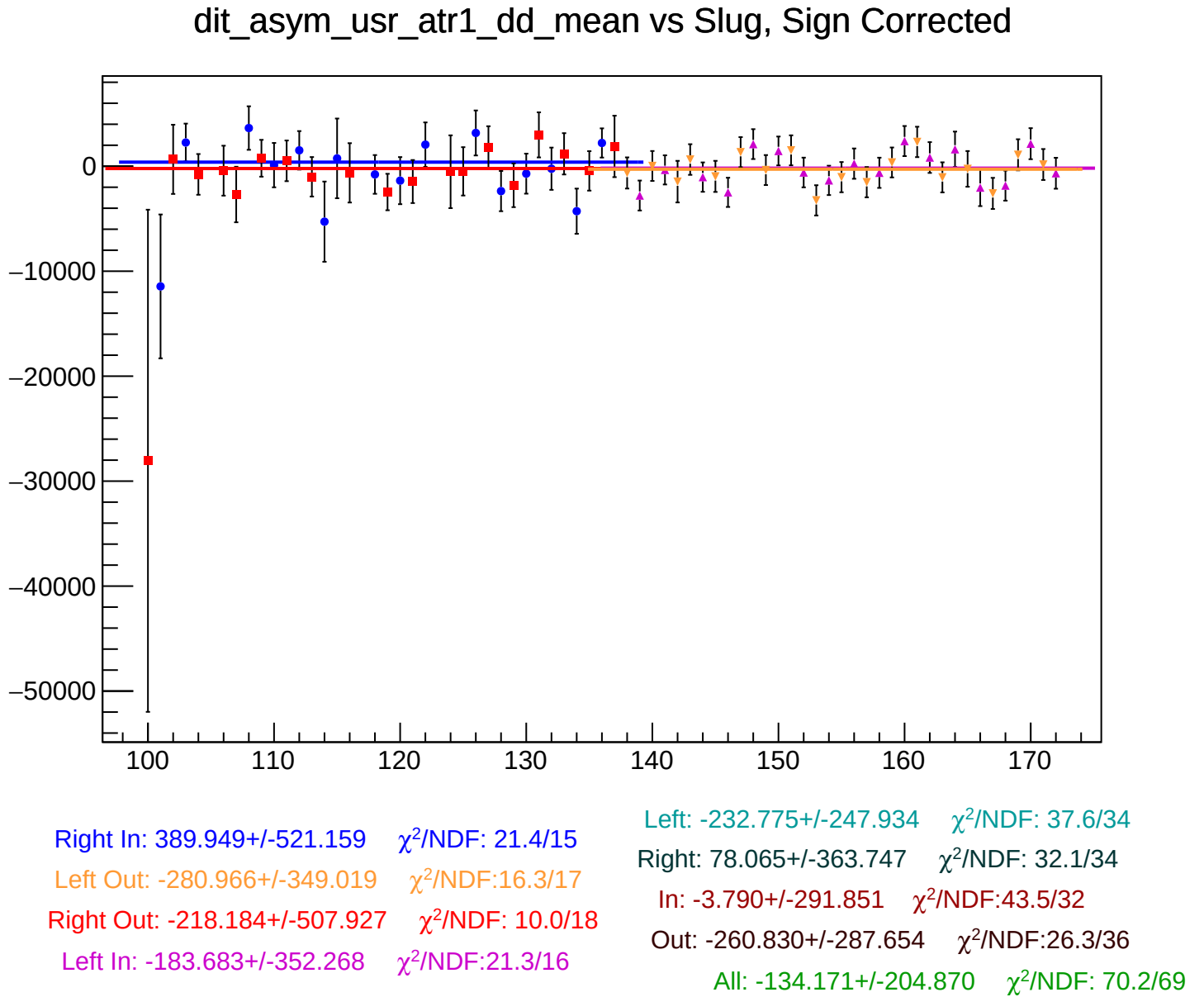
Left: 621.132+/-0.084 χ^2/NDF: 1953608.3/34

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

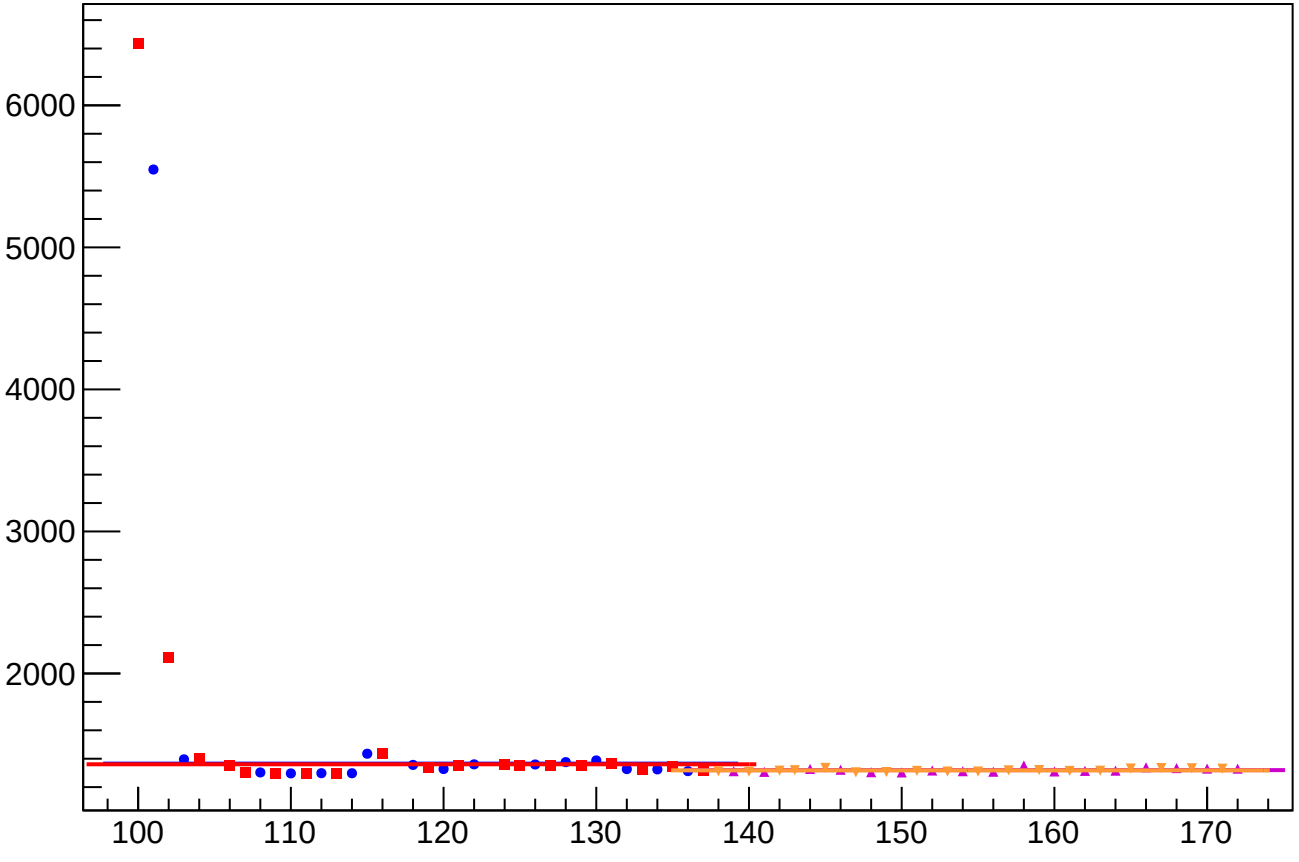
In: 684.884+/-0.109 χ^2/NDF:2611043.1/32

Out: 664.433+/-0.106 χ^2/NDF:3290315.5/36

All: 674.386+/-0.076 χ^2/NDF: 5919514.5/69


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: -280.966+/-349.019 χ²/NDF:16.3/17
Right Out: -218.184+/-507.927 χ²/NDF: 10.0/18
Left In: -183.683+/-352.268 χ²/NDF:21.3/16
Left: -232.775+/-247.934 χ²/NDF: 37.6/34
Right: 78.065+/-363.747 χ²/NDF: 32.1/34
In: -3.790+/-291.851 χ²/NDF:43.5/32
Out: -260.830+/-287.654 χ²/NDF:26.3/36
All: -134.171+/-204.870 χ²/NDF: 70.2/69

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1317.967+/-0.247 χ^2/NDF:1586.1/17

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1319.670+/-0.249 χ^2/NDF:2776.3/16

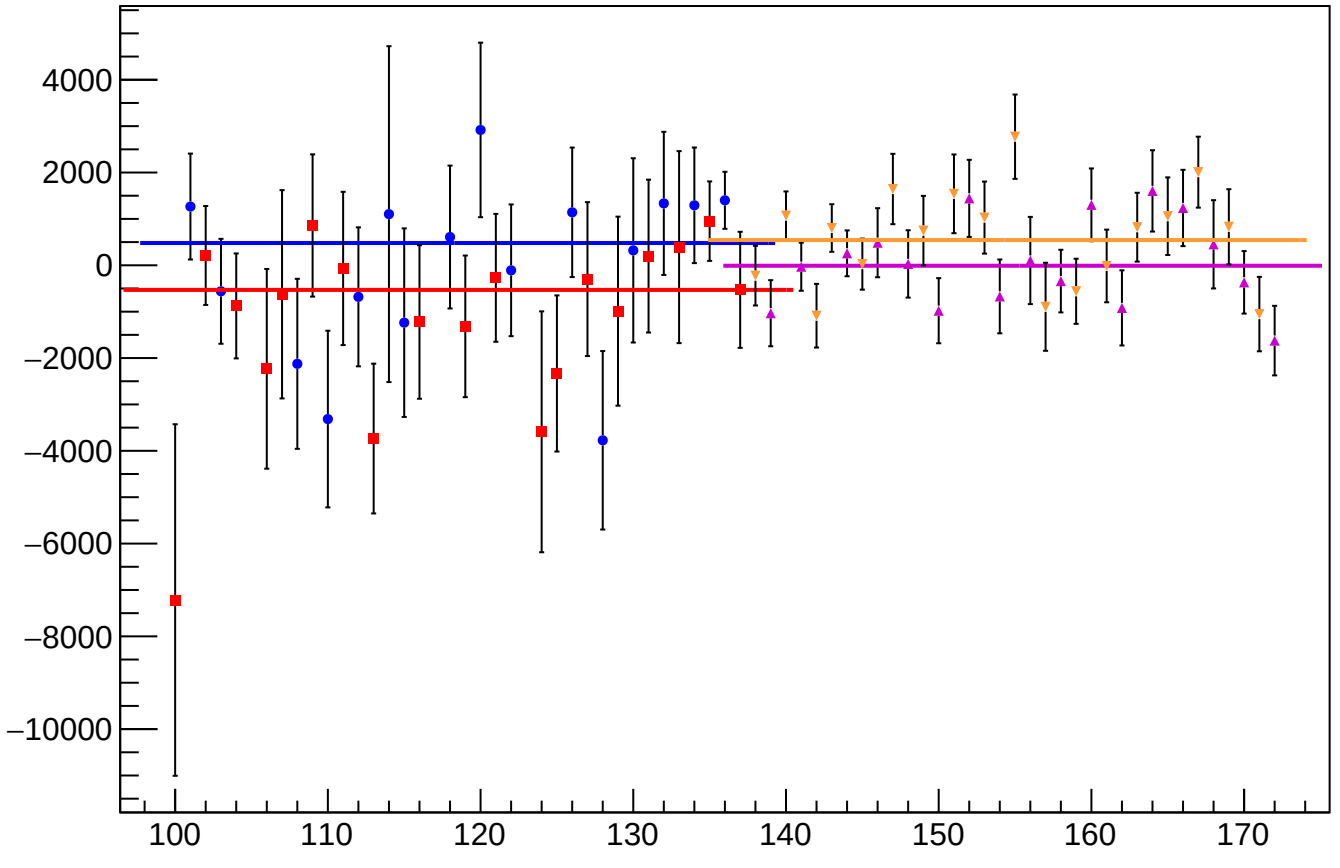
Left: 1318.810+/-0.175 χ^2/NDF: 4386.0/34

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1333.980+/-0.206 χ^2/NDF:772245.5/32

Out: 1331.695+/-0.203 χ^2/NDF:216549.4/36

All: 1332.821+/-0.145 χ^2/NDF: 988857.1/69



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 543.896+/-166.944 χ^2/NDF:32.7/17

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: -9.588+/-174.399 χ^2/NDF:23.6/16

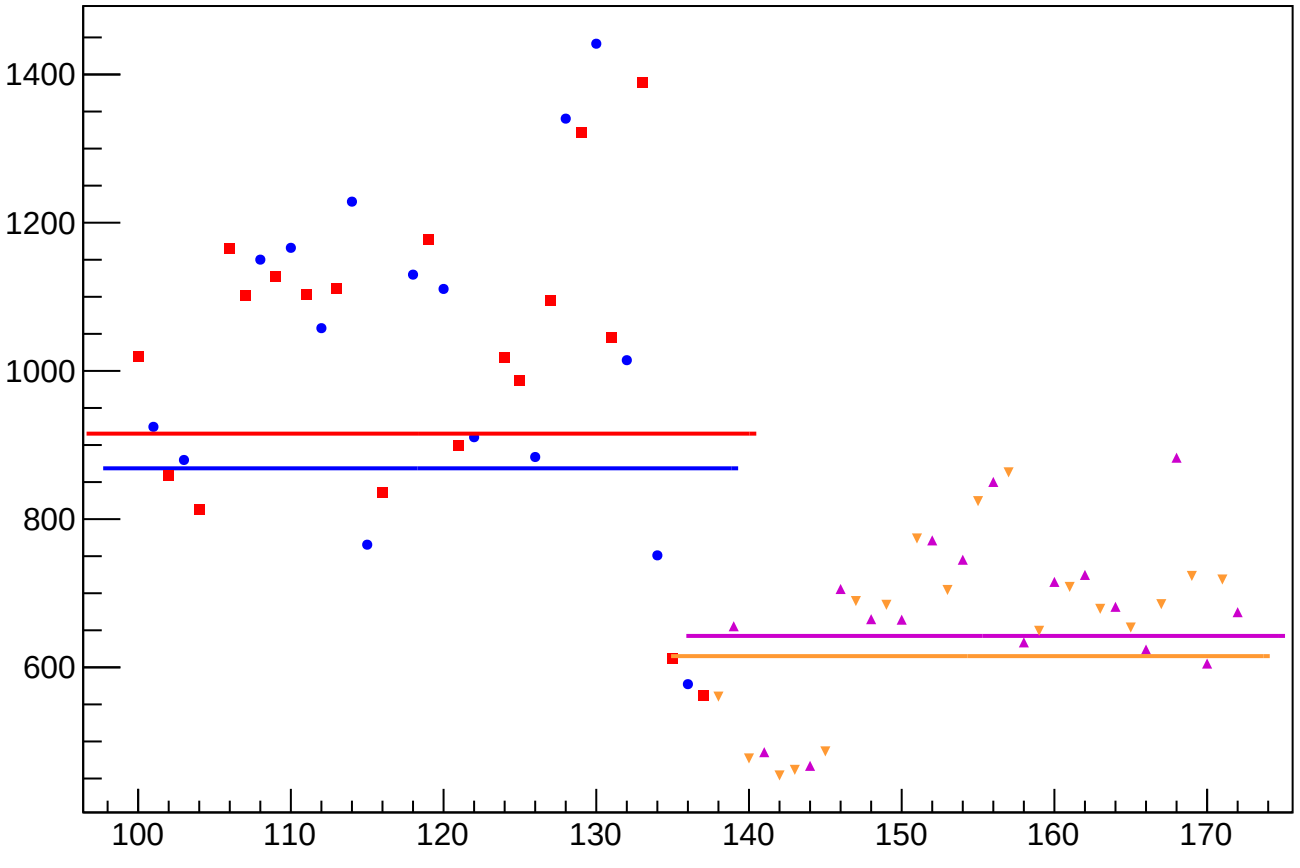
Left: 279.237+/-120.597 χ^2/NDF: 61.6/34

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 94.150+/-154.841 χ^2/NDF:43.9/32

Out: 341.100+/-150.366 χ^2/NDF:56.2/36

All: 221.245+/-107.872 χ^2/NDF: 101.4/69



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 615.148+/-0.118 χ^2/NDF:1065083.0/17

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 642.411+/-0.123 χ^2/NDF:813545.4/16

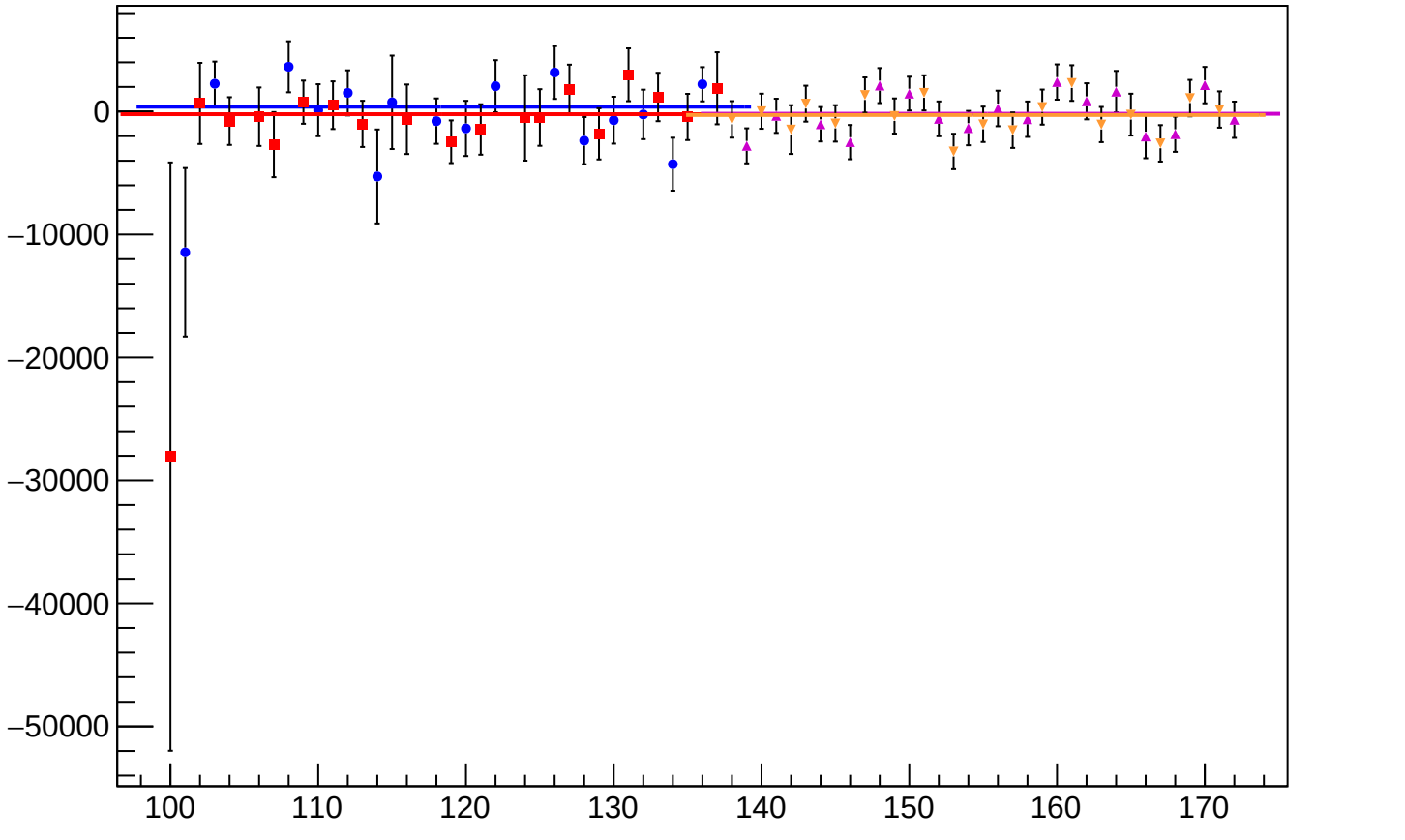
Left: 628.184+/-0.085 χ^2/NDF: 1904134.2/34

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 690.293+/-0.109 χ^2/NDF:2546958.4/32

Out: 671.812+/-0.106 χ^2/NDF:3144742.3/36

All: 680.781+/-0.076 χ^2/NDF: 5706363.1/69



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -280.967+/-349.019 χ^2/NDF:16.3/17

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -183.683+/-352.268 χ^2/NDF:21.3/16

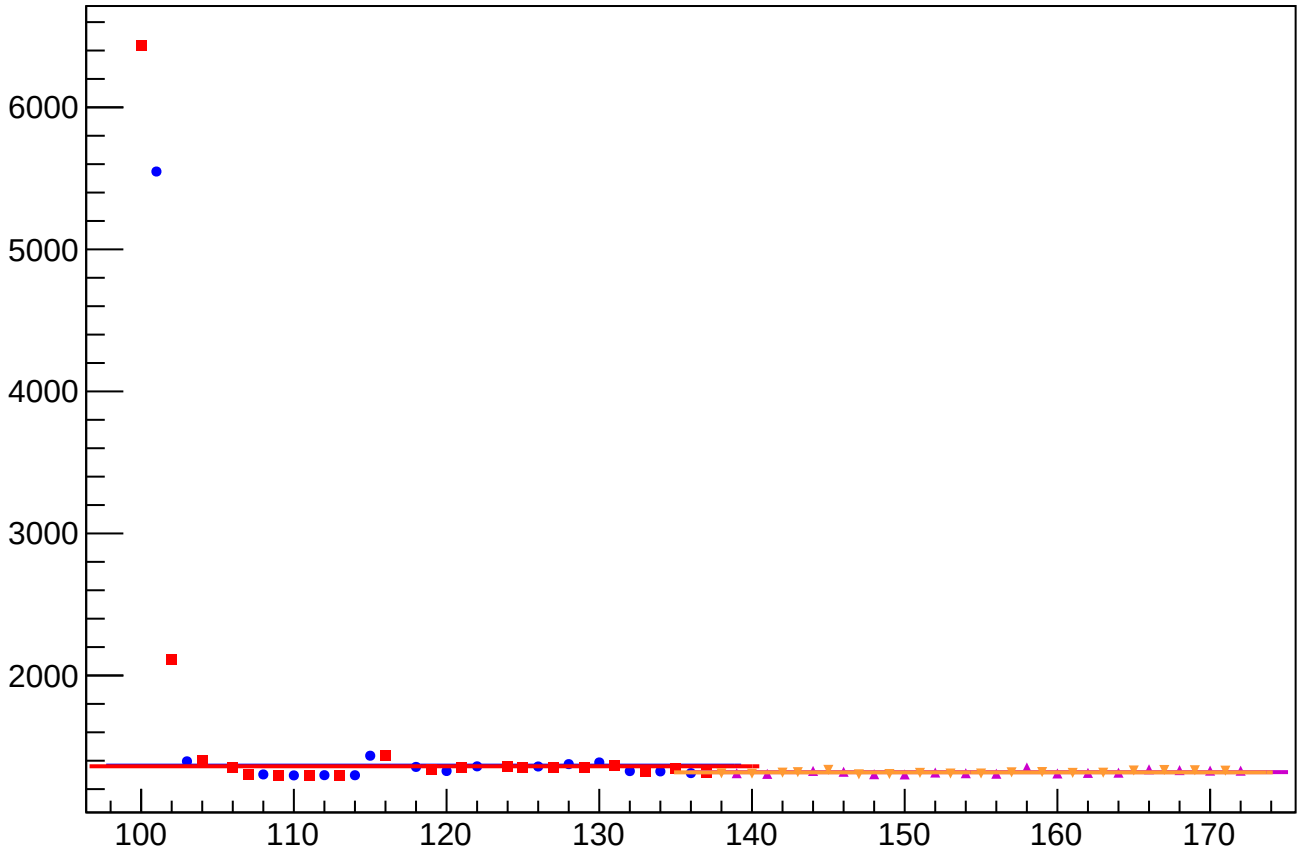
Left: -232.776+/-247.934 χ^2/NDF: 37.6/34

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: -3.789+/-291.851 χ^2/NDF:43.5/32

Out: -260.830+/-287.654 χ^2/NDF:26.3/36

All: -134.171+/-204.870 χ^2/NDF: 70.2/69



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1317.967+/-0.247 χ^2/NDF:1586.1/17

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1319.670+/-0.249 χ^2/NDF:2776.3/16

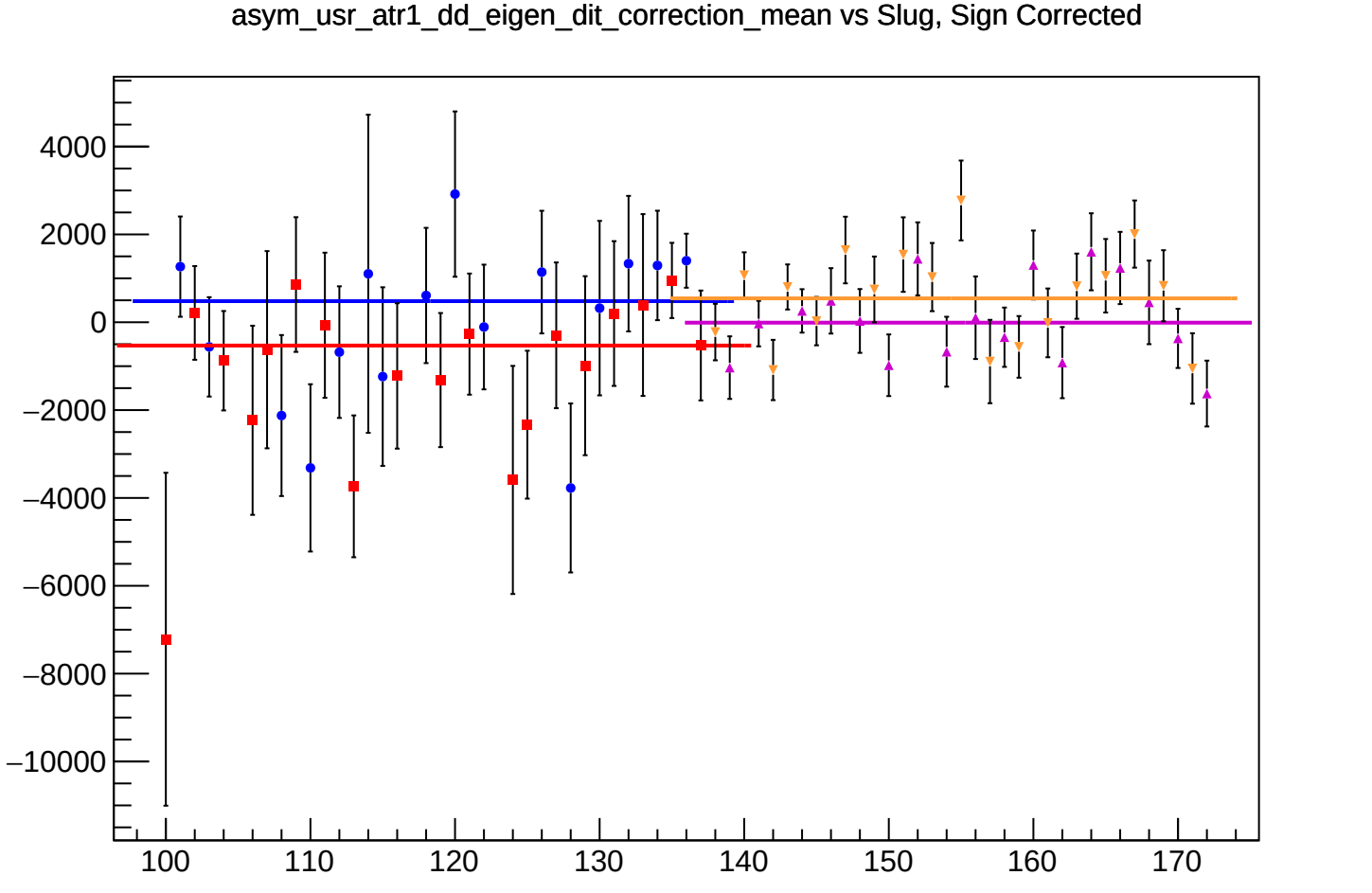
Left: 1318.810+/-0.175 χ^2/NDF: 4386.0/34

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1333.980+/-0.206 χ^2/NDF:772245.4/32

Out: 1331.695+/-0.203 χ^2/NDF:216549.3/36

All: 1332.821+/-0.145 χ^2/NDF: 988857.0/69



Right In: 480.400+/-336.519 χ^2/NDF: 18.6/15

Left Out: 543.897+/-166.944 χ^2/NDF:32.7/17

Right Out: -530.531+/-346.104 χ^2/NDF: 15.6/18

Left In: -9.587+/-174.399 χ^2/NDF:23.6/16

Left: 279.238+/-120.597 χ^2/NDF: 61.6/34

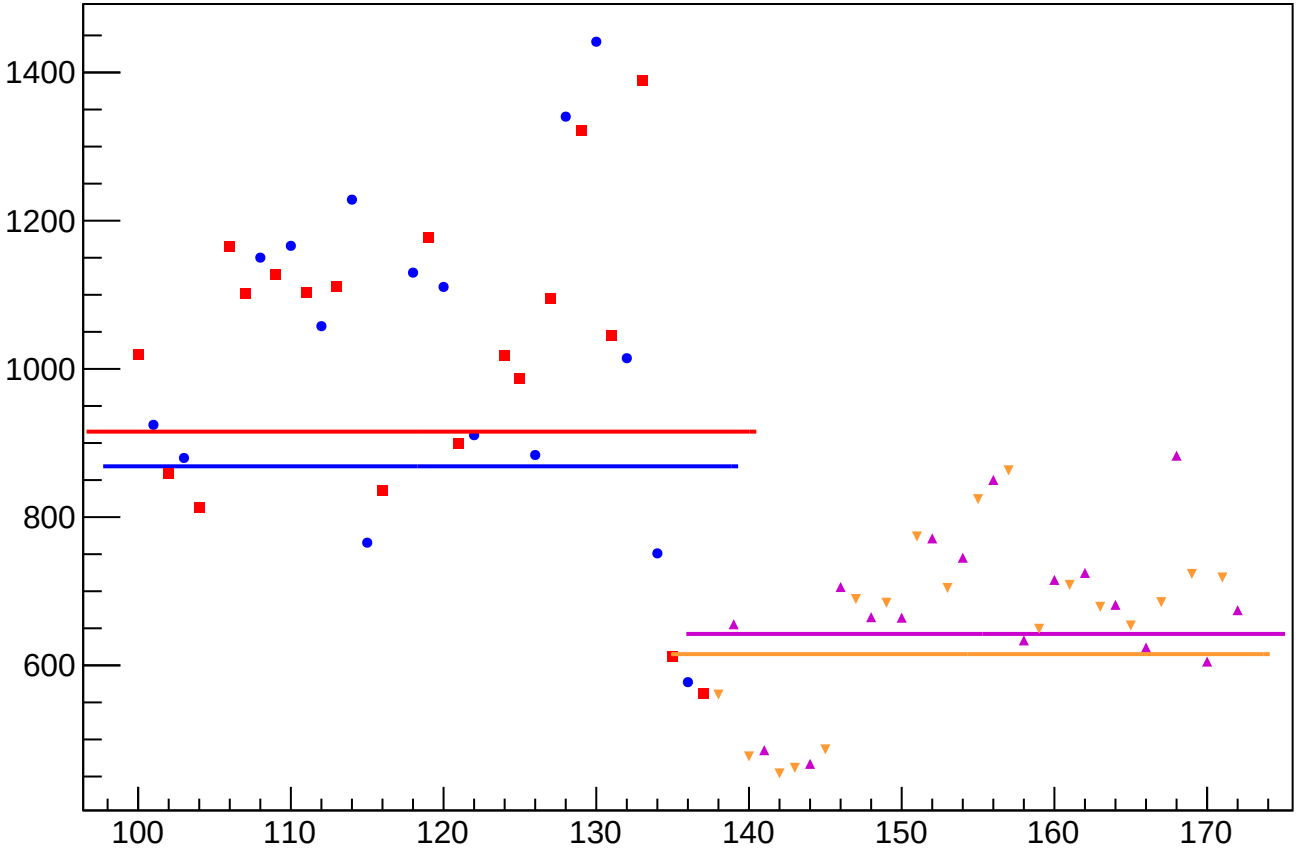
Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 94.151+/-154.841 χ^2/NDF:43.9/32

Out: 341.100+/-150.366 χ^2/NDF:56.2/36

All: 221.246+/-107.872 χ^2/NDF: 101.4/69

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: 615.148+/-0.118 χ^2/NDF:1065099.4/17

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: 628.185+/-0.085 χ^2/NDF: 1904159.8/34

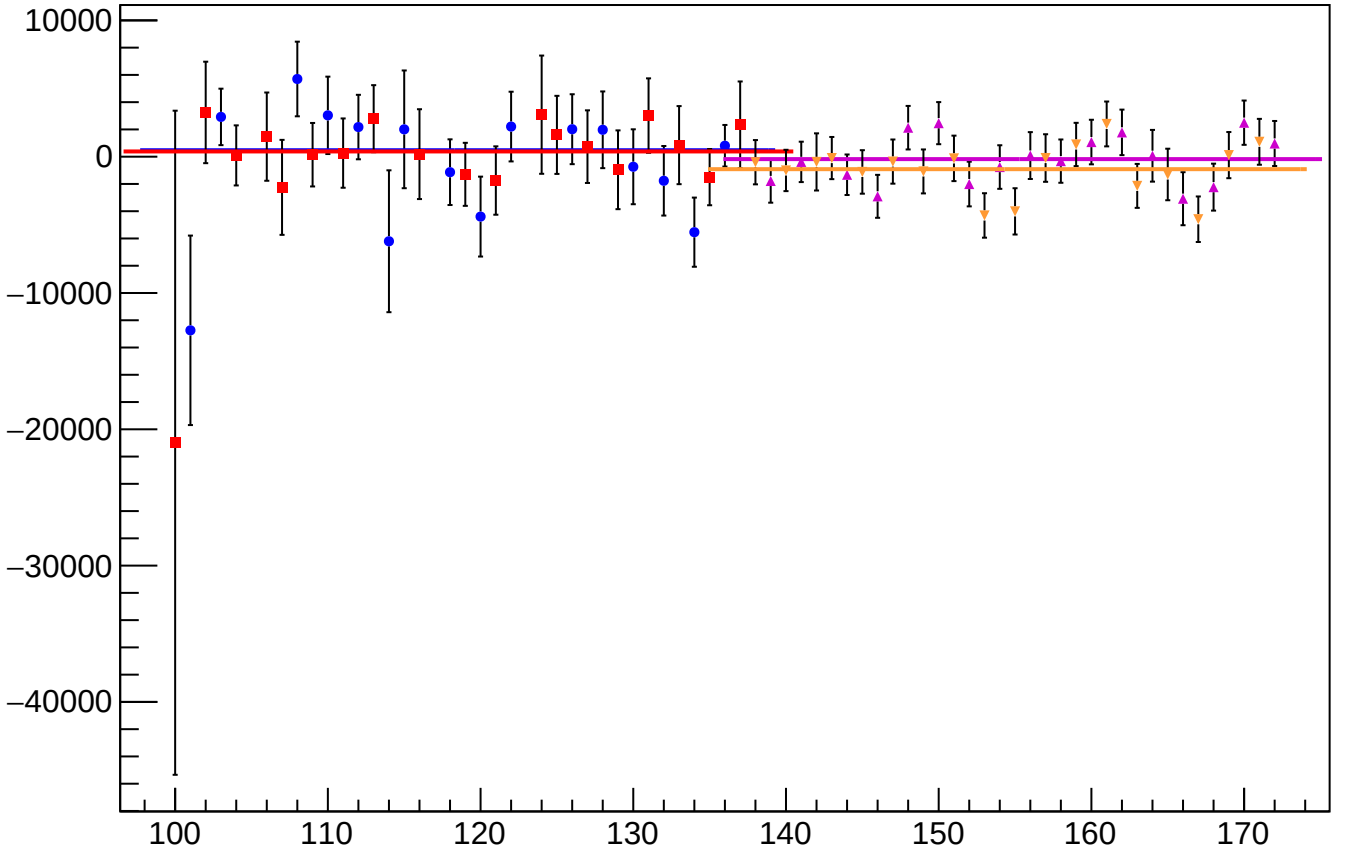
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 690.293+/-0.109 χ^2/NDF:2546945.3/32

Out: 671.812+/-0.106 χ^2/NDF:3144745.3/36

All: 680.782+/-0.076 χ^2/NDF: 5706353.9/69

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -915.406+/-391.631 χ^2/NDF:21.3/17

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: -550.690+/-278.511 χ^2/NDF: 42.9/34

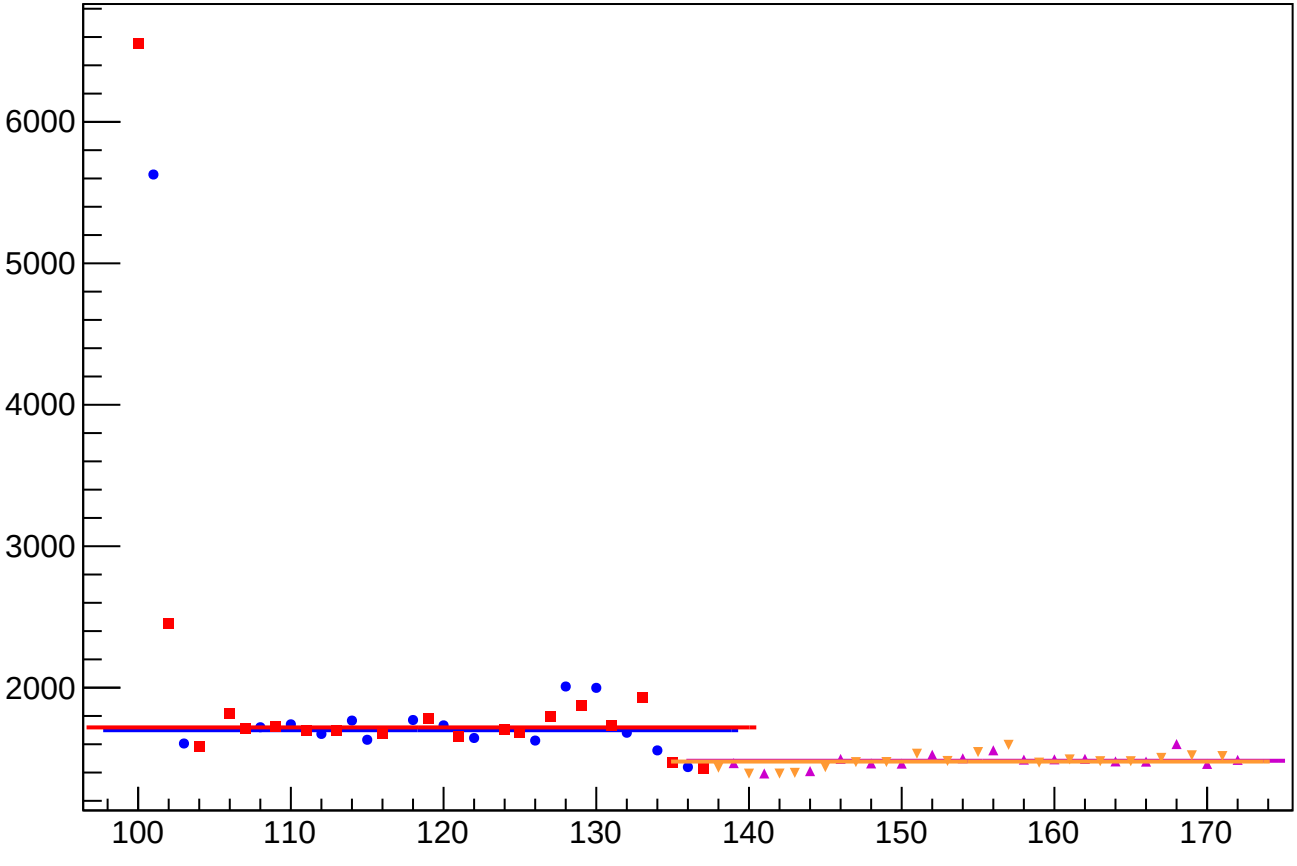
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: -0.878+/-338.173 χ^2/NDF:43.3/32

Out: -562.788+/-334.333 χ^2/NDF:31.6/36

All: -285.041+/-237.755 χ^2/NDF: 76.2/69

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1477.749+/-0.277 χ^2/NDF:35262.5/17

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1483.250+/-0.280 χ^2/NDF:28541.1/16

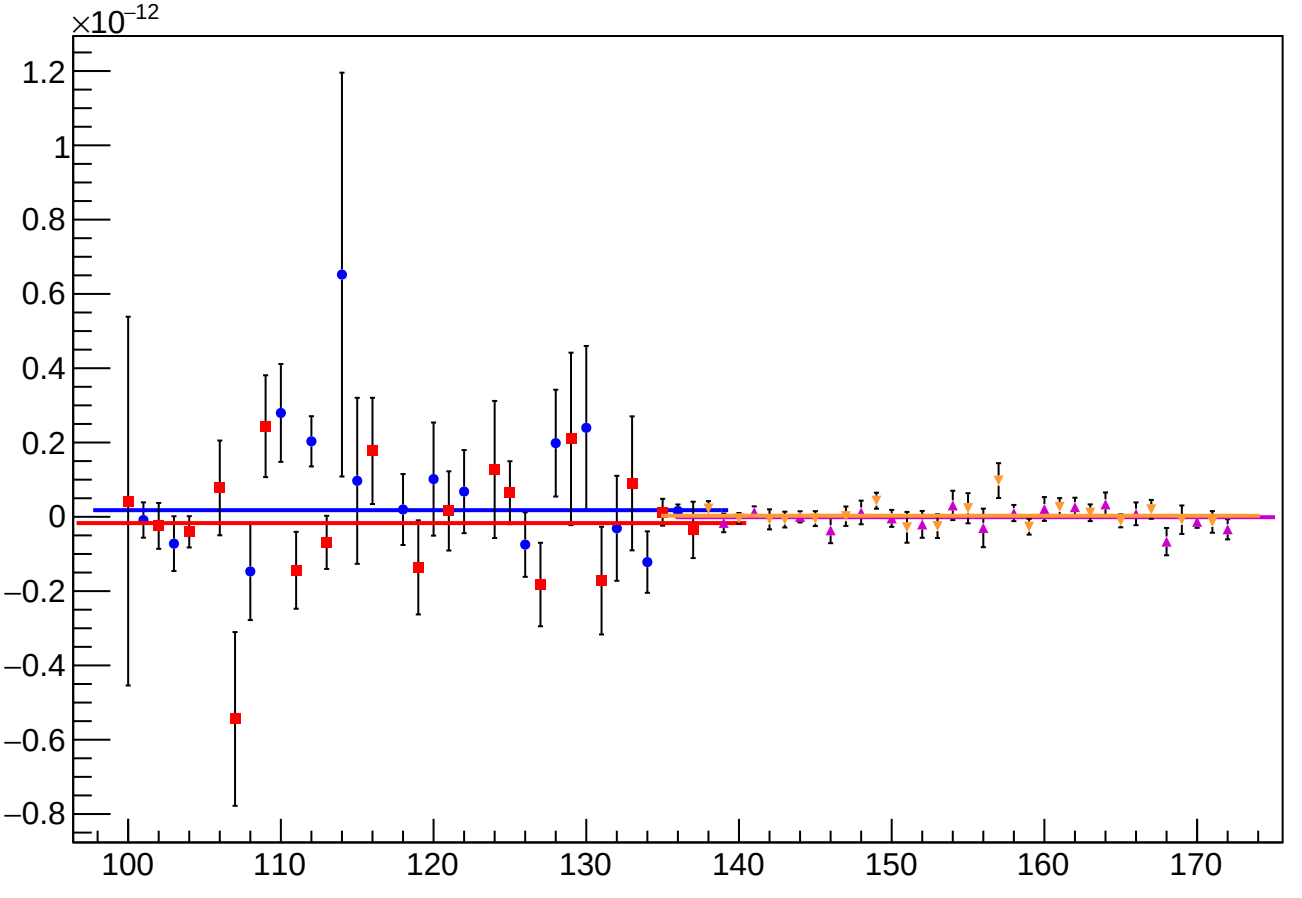
Left: 1480.468+/-0.197 χ^2/NDF: 63998.6/34

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1541.874+/-0.239 χ^2/NDF:952070.6/32

Out: 1543.205+/-0.236 χ^2/NDF:475021.4/36

All: 1542.547+/-0.168 χ^2/NDF: 1427107.7/69



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.3/17

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:11.9/16

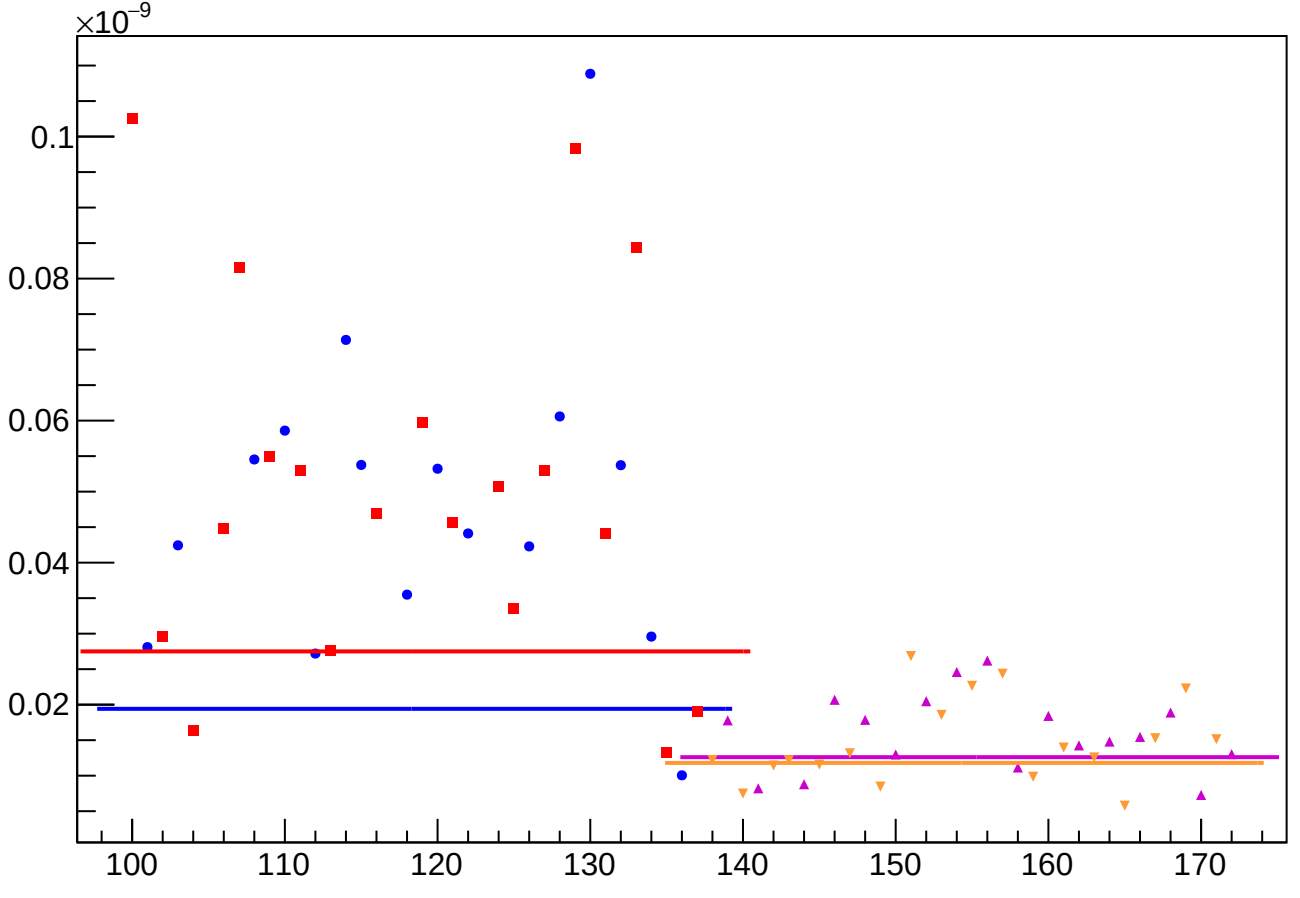
Left: 0.000+/-0.000 χ^2/NDF: 27.5/34

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:37.7/36

All: 0.000+/-0.000 χ^2/NDF: 74.6/69



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1360606.2/17

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: 2717829.8/34

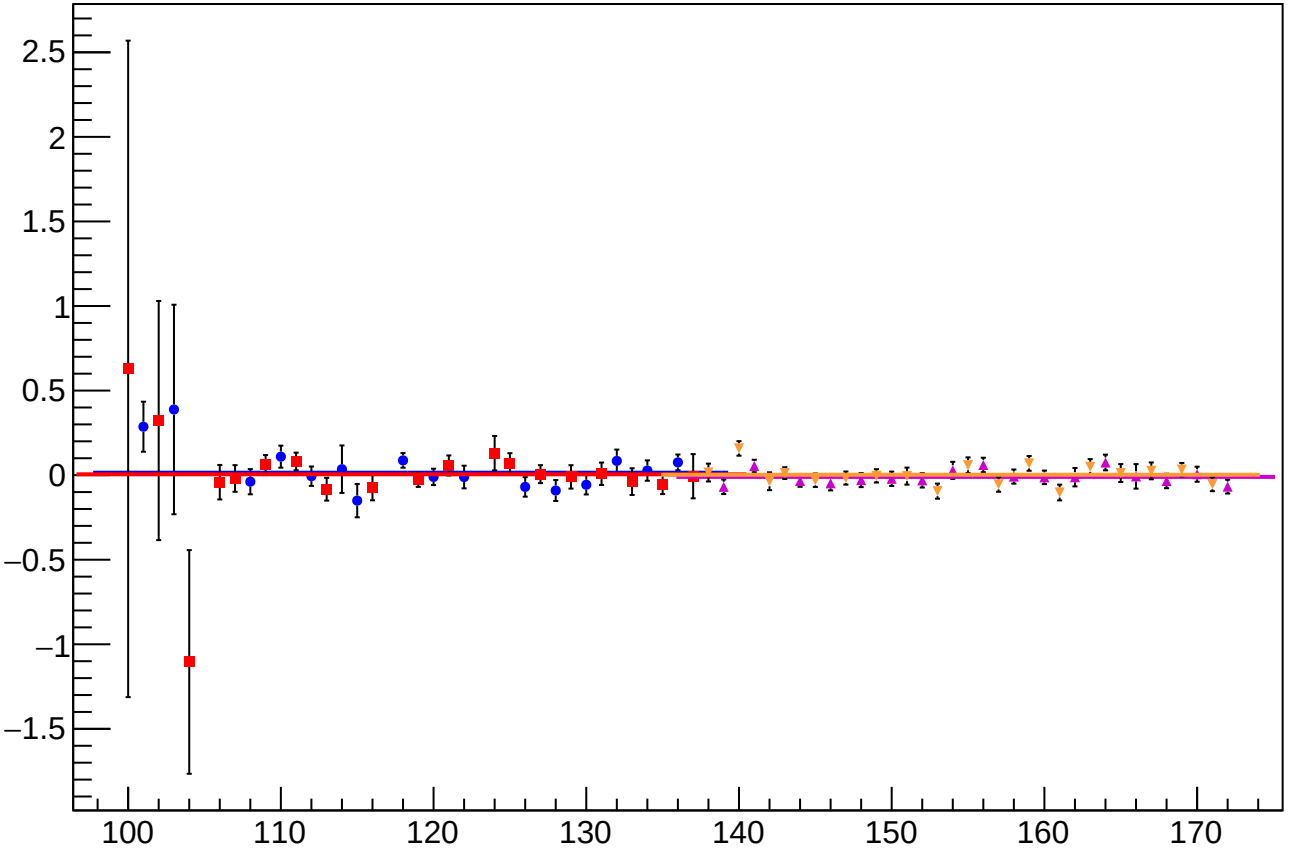
Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3995424.7/32

Out: 0.000+/-0.000 χ^2/NDF:4255806.7/36

All: 0.000+/-0.000 χ^2/NDF: 8262355.5/69

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: 0.002+/-0.010 χ^2/NDF:33.7/17

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.010+/-0.010 χ^2/NDF:15.8/16

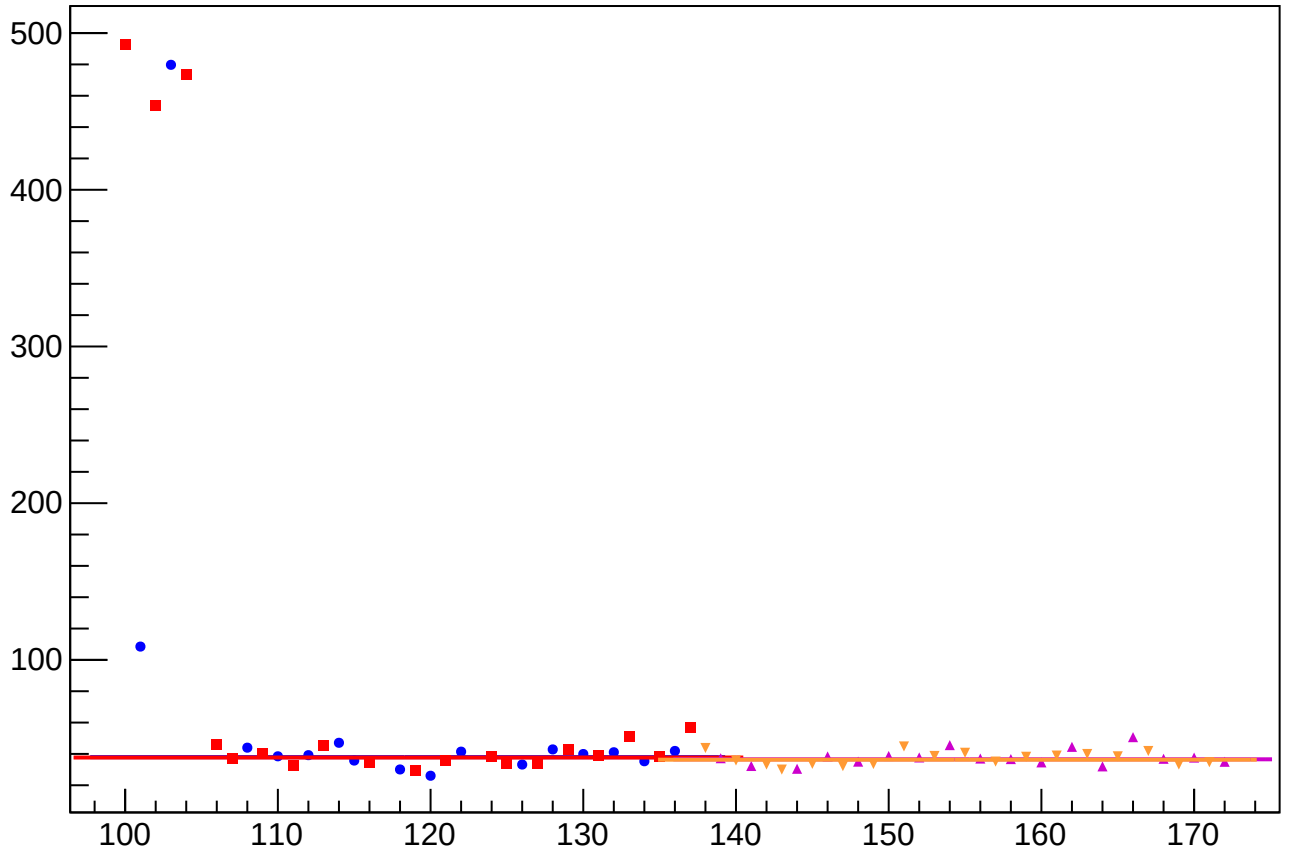
Left: -0.004+/-0.007 χ^2/NDF: 50.2/34

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.003+/-0.009 χ^2/NDF:39.5/32

Out: 0.003+/-0.009 χ^2/NDF:48.6/36

All: 0.000+/-0.006 χ^2/NDF: 88.3/69



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.305+/-0.007 χ^2/NDF:300691.5/17

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: 36.431+/-0.005 χ^2/NDF: 613642.7/34

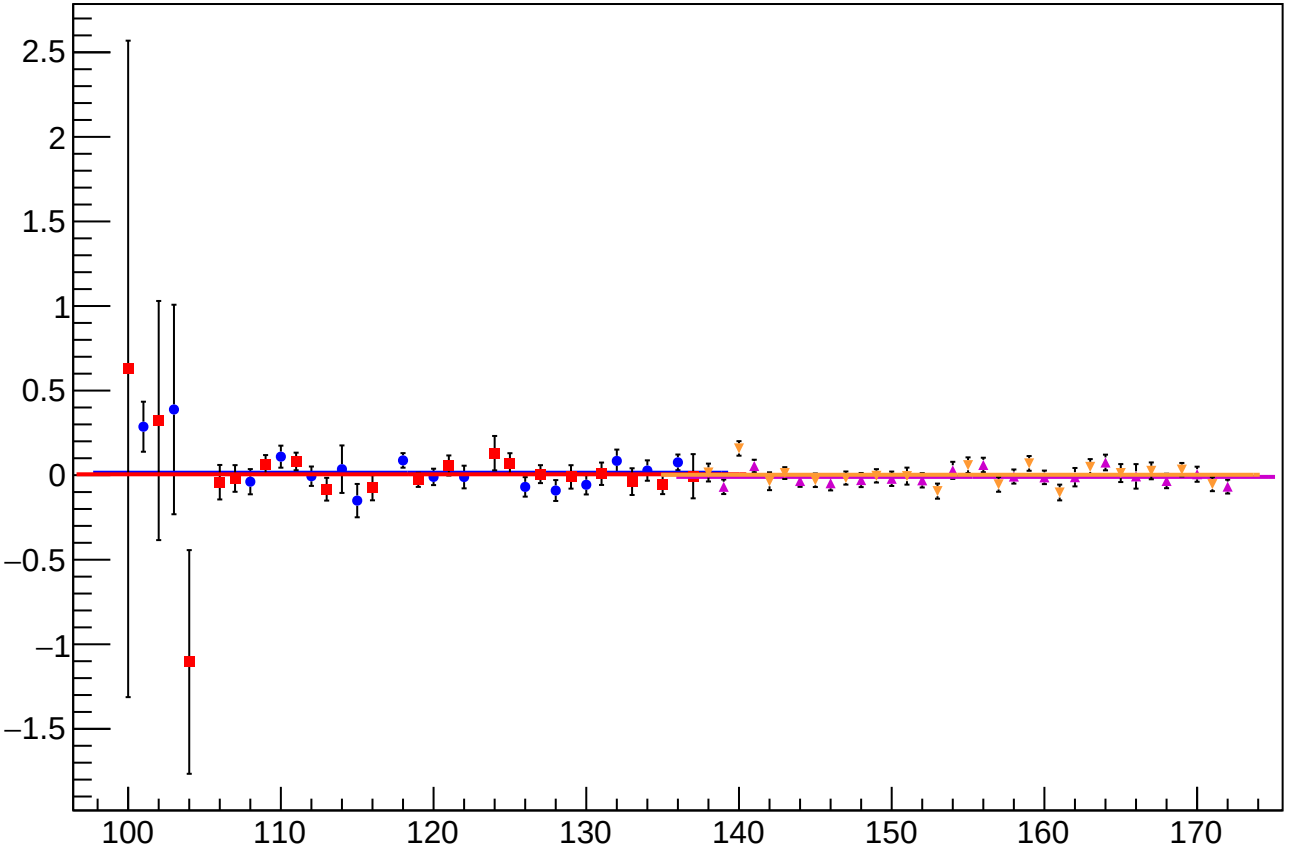
Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.977+/-0.006 χ^2/NDF:2062529.7/32

Out: 36.714+/-0.006 χ^2/NDF:2256178.5/36

All: 36.845+/-0.004 χ^2/NDF: 4319618.3/69

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.002+/-0.010 χ^2/NDF:33.7/17

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: -0.004+/-0.007 χ^2/NDF: 50.2/34

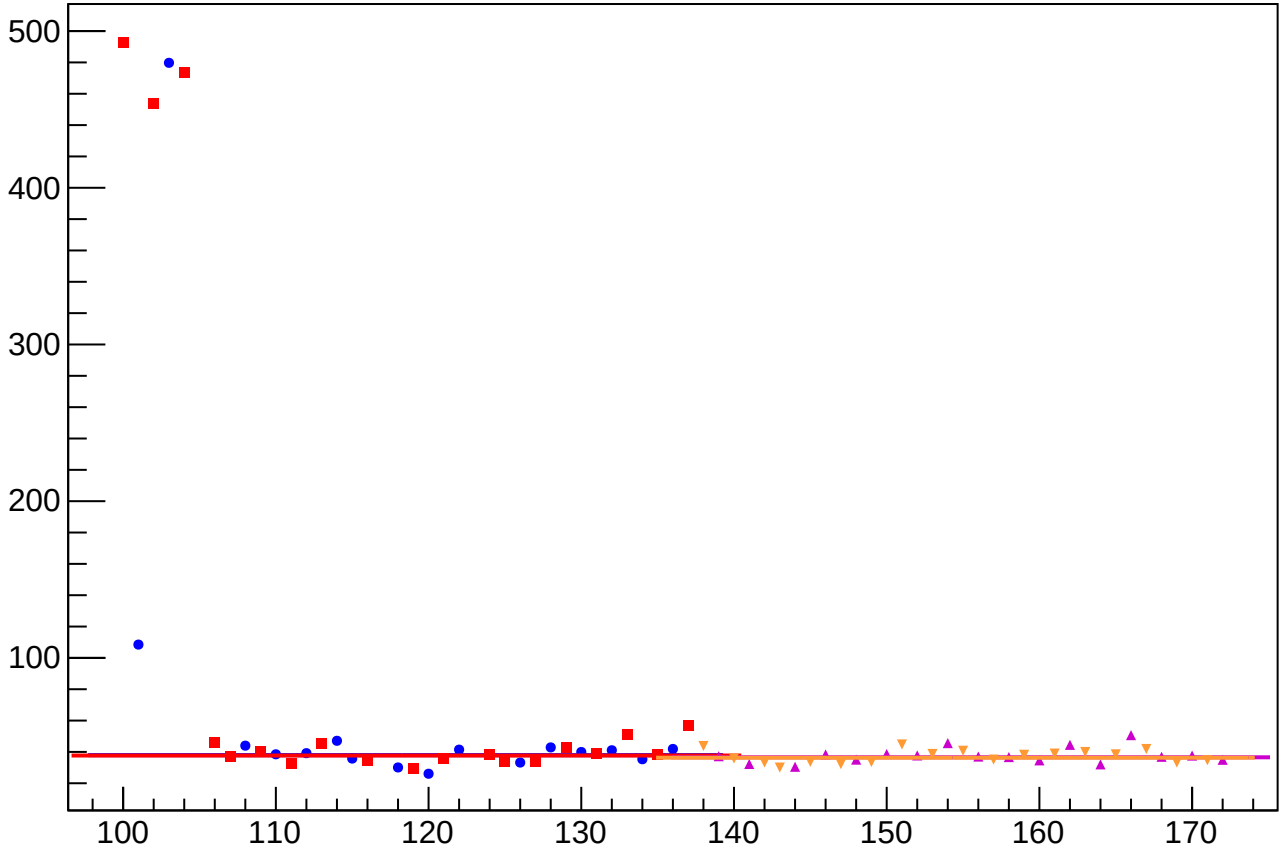
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.003+/-0.009 χ^2/NDF:39.5/32

Out: 0.003+/-0.009 χ^2/NDF:48.6/36

All: 0.000+/-0.006 χ^2/NDF: 88.3/69

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 36.305+/-0.007 χ^2/NDF:300691.5/17

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.560+/-0.007 χ^2/NDF:312350.1/16

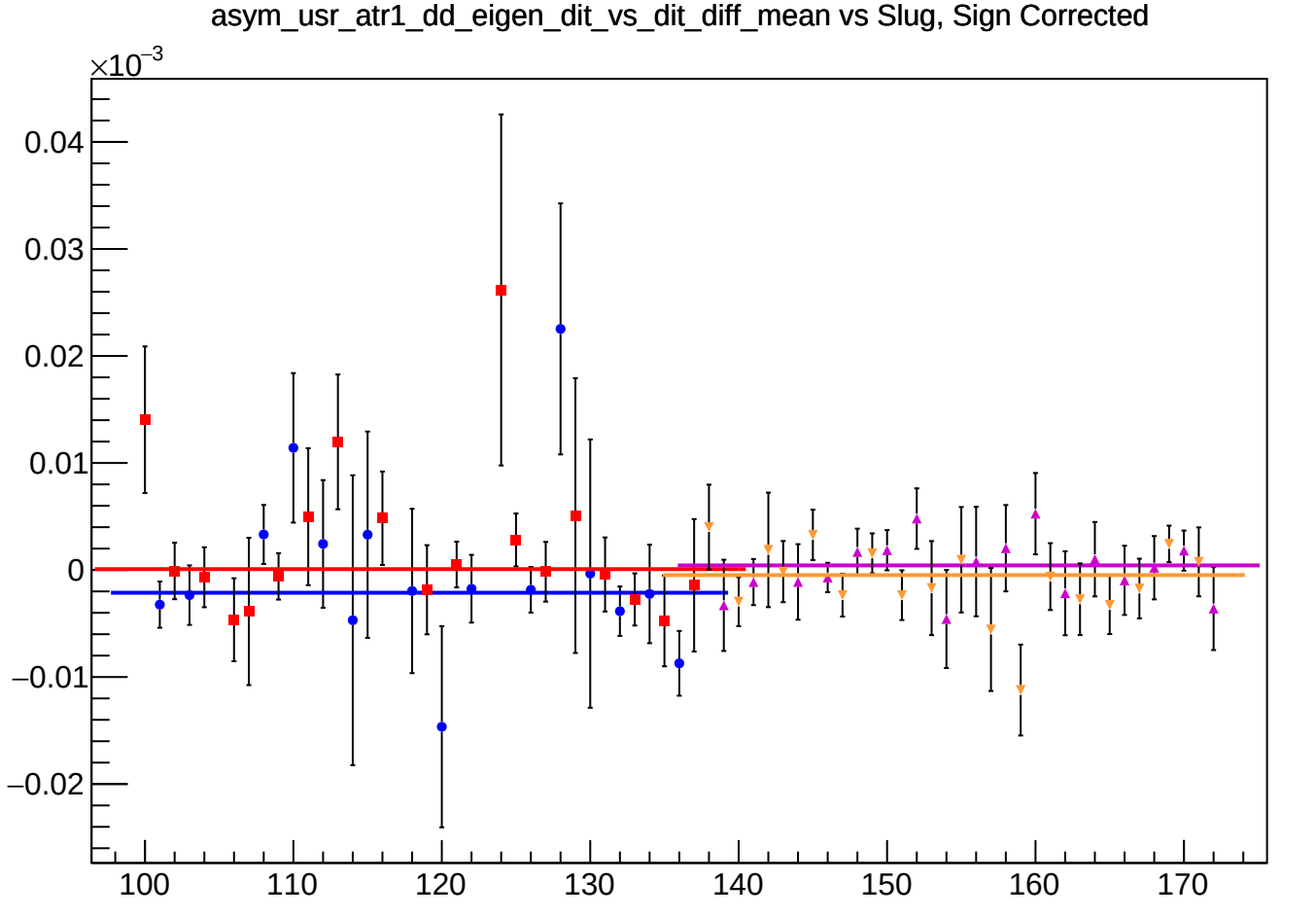
Left: 36.431+/-0.005 χ^2/NDF: 613642.7/34

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 36.977+/-0.006 χ^2/NDF:2062529.7/32

Out: 36.714+/-0.006 χ^2/NDF:2256178.5/36

All: 36.845+/-0.004 χ^2/NDF: 4319618.3/69



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:10.7/16

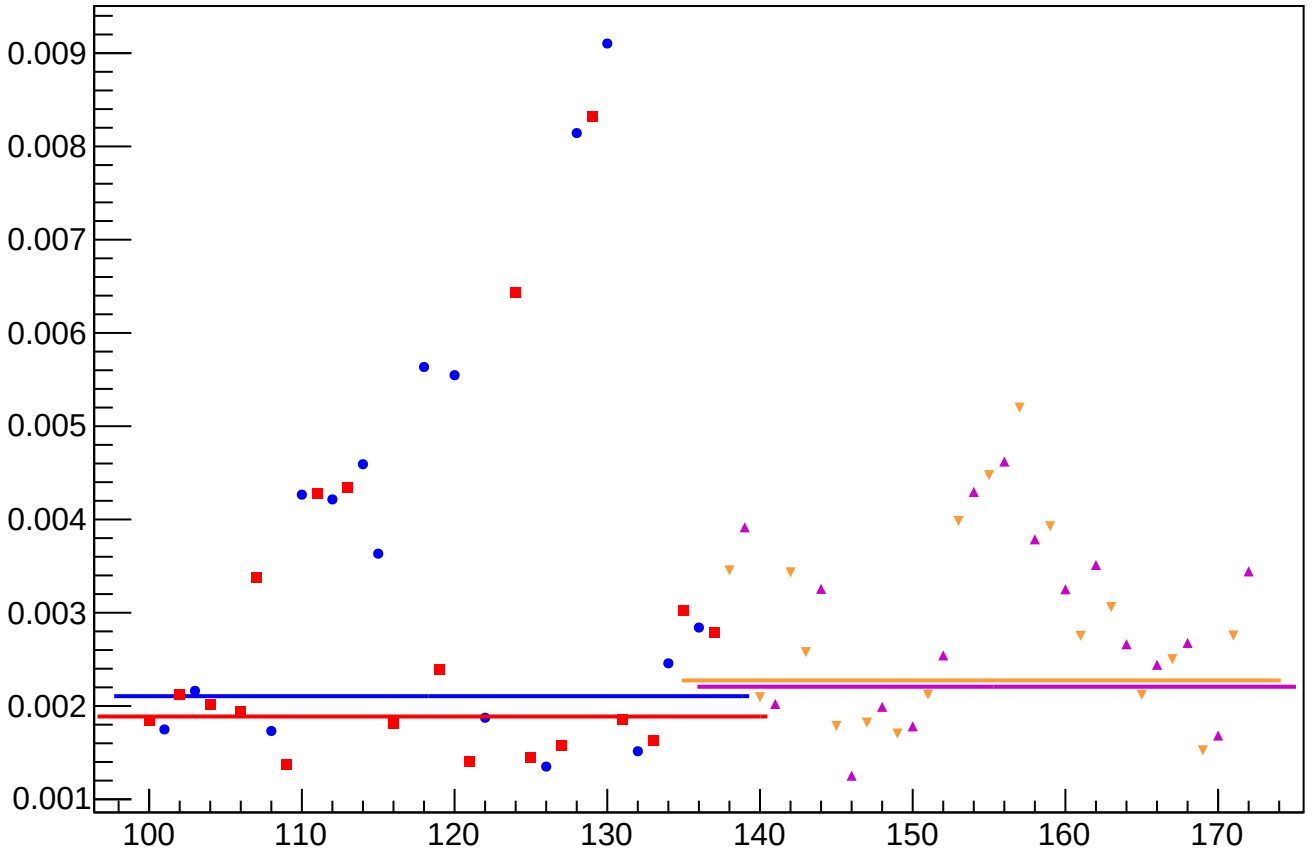
Left: -0.000+/-0.000 χ^2/NDF: 31.8/34

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:38.7/36

All: -0.000+/-0.000 χ^2/NDF: 75.3/69



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2819610.2/17

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: 6460346.0/34

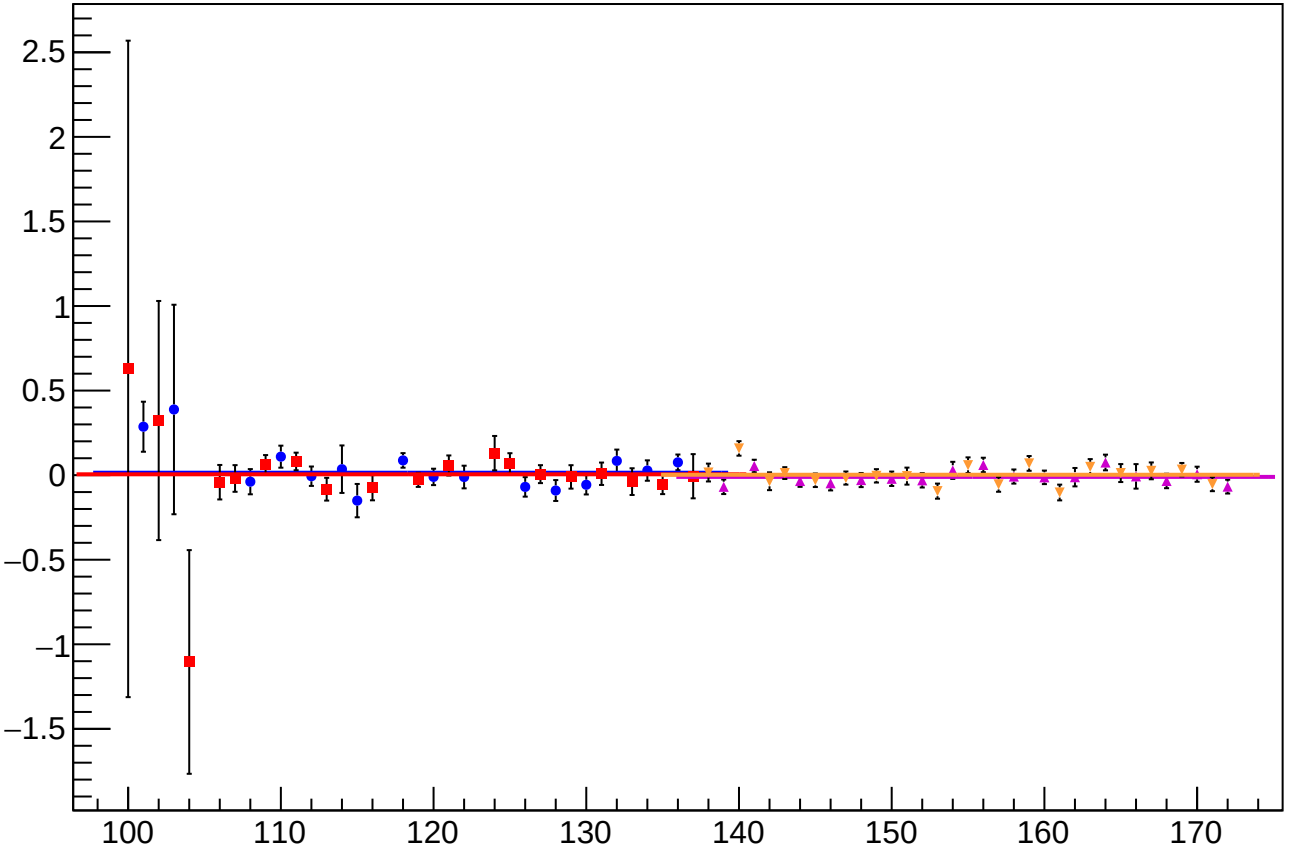
Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:6664188.5/32

Out: 0.002+/-0.000 χ^2/NDF:4999172.8/36

All: 0.002+/-0.000 χ^2/NDF: 11674374.9/69

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.002+/-0.010 χ^2/NDF:33.7/17

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.010+/-0.010 χ^2/NDF:15.8/16

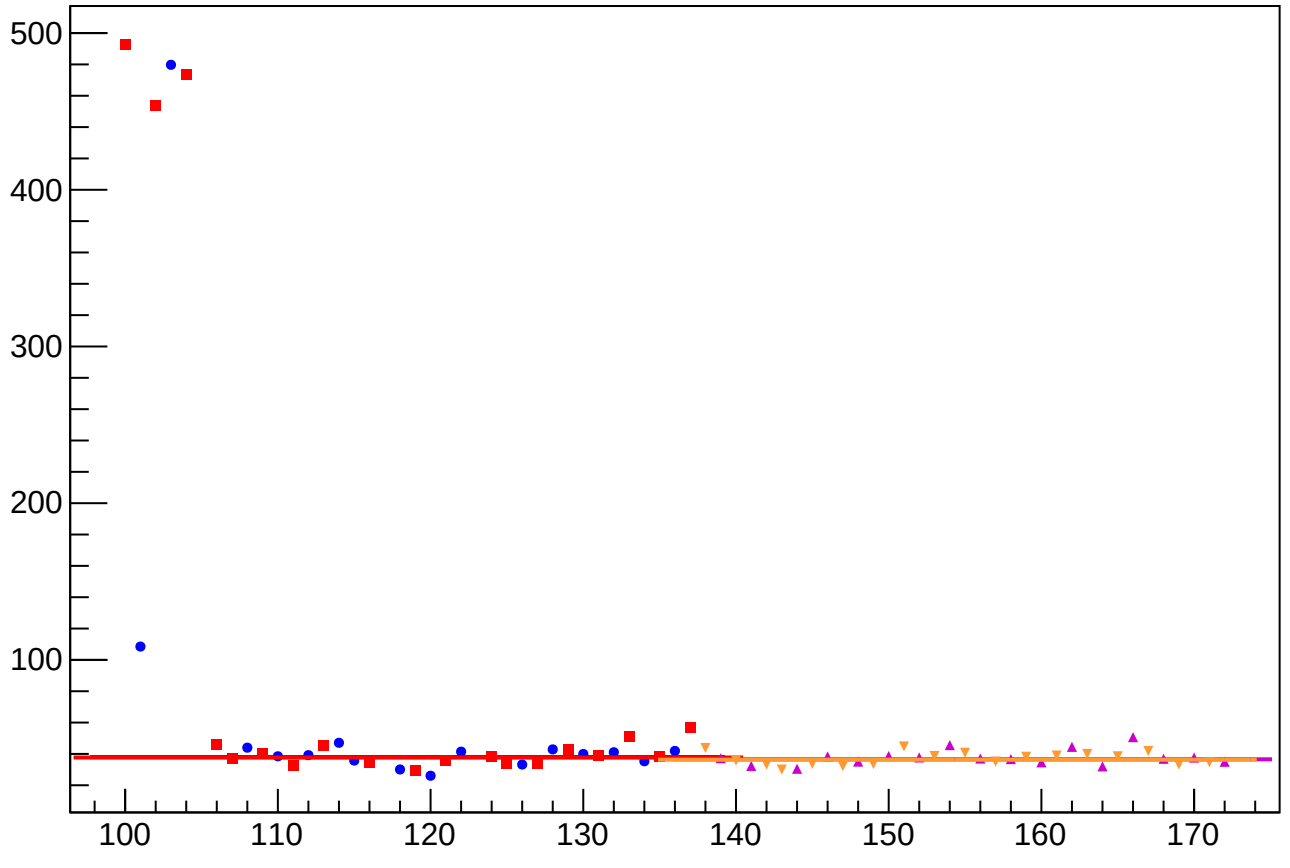
Left: -0.004+/-0.007 χ^2/NDF: 50.2/34

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.003+/-0.009 χ^2/NDF:39.5/32

Out: 0.003+/-0.009 χ^2/NDF:48.6/36

All: 0.000+/-0.006 χ^2/NDF: 88.3/69



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.305+/-0.007 χ^2/NDF:300746.8/17

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: 36.431+/-0.005 χ^2/NDF: 613733.3/34

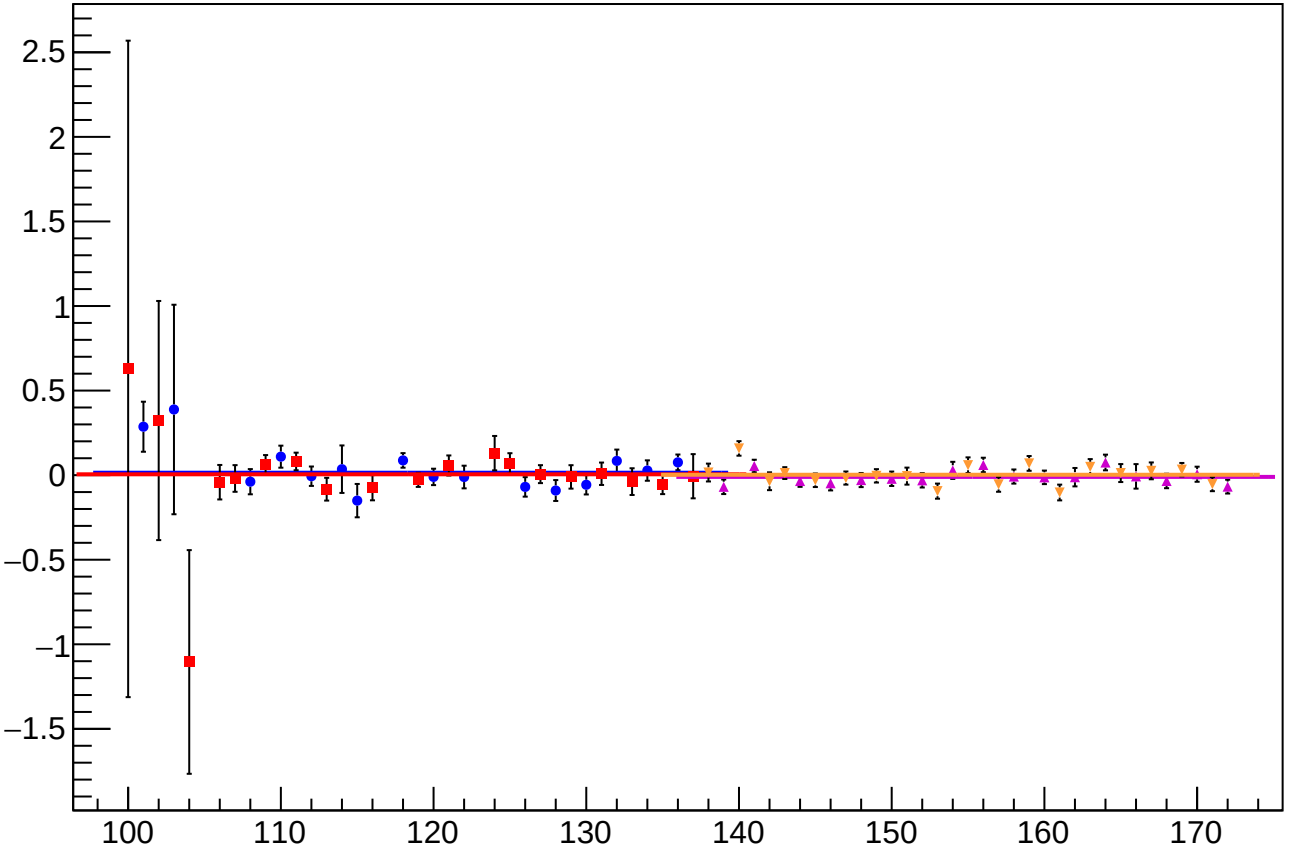
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.977+/-0.006 χ^2/NDF:2062575.2/32

Out: 36.713+/-0.006 χ^2/NDF:2256295.8/36

All: 36.844+/-0.004 χ^2/NDF: 4319781.6/69

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: 0.002+/-0.010 χ^2/NDF:33.7/17

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: -0.004+/-0.007 χ^2/NDF: 50.2/34

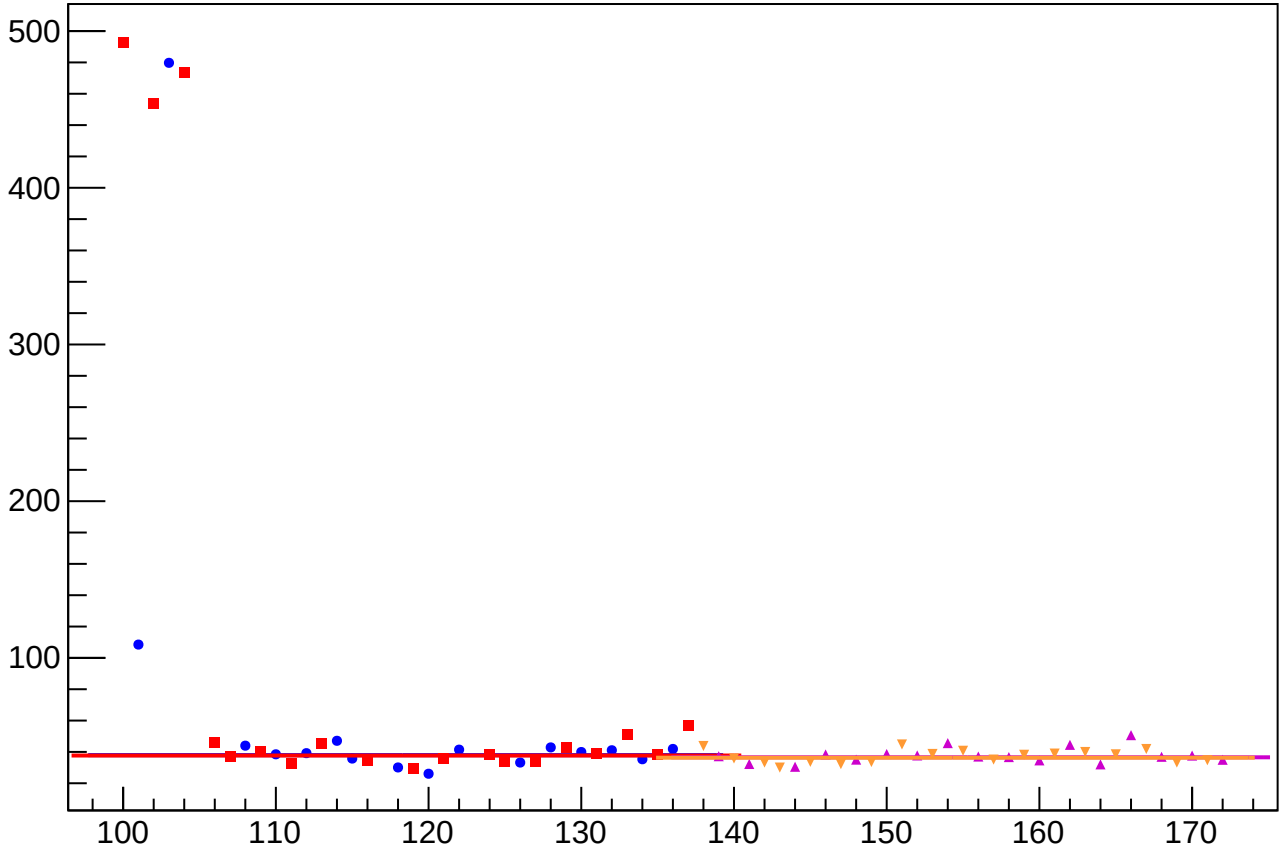
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.003+/-0.009 χ^2/NDF:39.5/32

Out: 0.003+/-0.009 χ^2/NDF:48.6/36

All: 0.000+/-0.006 χ^2/NDF: 88.3/69

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 36.305+/-0.007 χ^2/NDF:300746.8/17

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.560+/-0.007 χ^2/NDF:312386.2/16

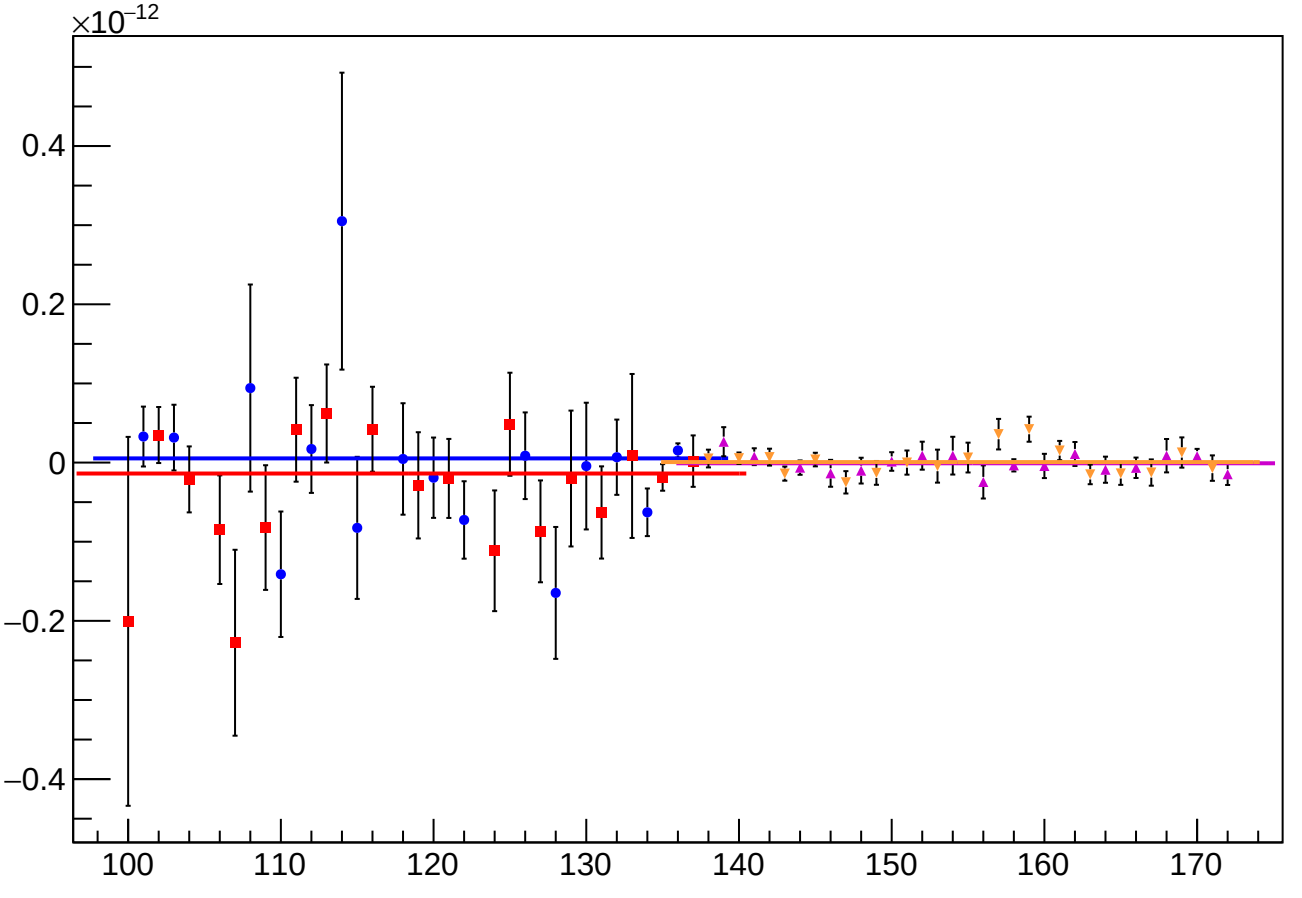
Left: 36.431+/-0.005 χ^2/NDF: 613733.3/34

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 36.977+/-0.006 χ^2/NDF:2062575.2/32

Out: 36.713+/-0.006 χ^2/NDF:2256295.8/36

All: 36.844+/-0.004 χ^2/NDF: 4319781.6/69



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.5/17

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:9.2/16

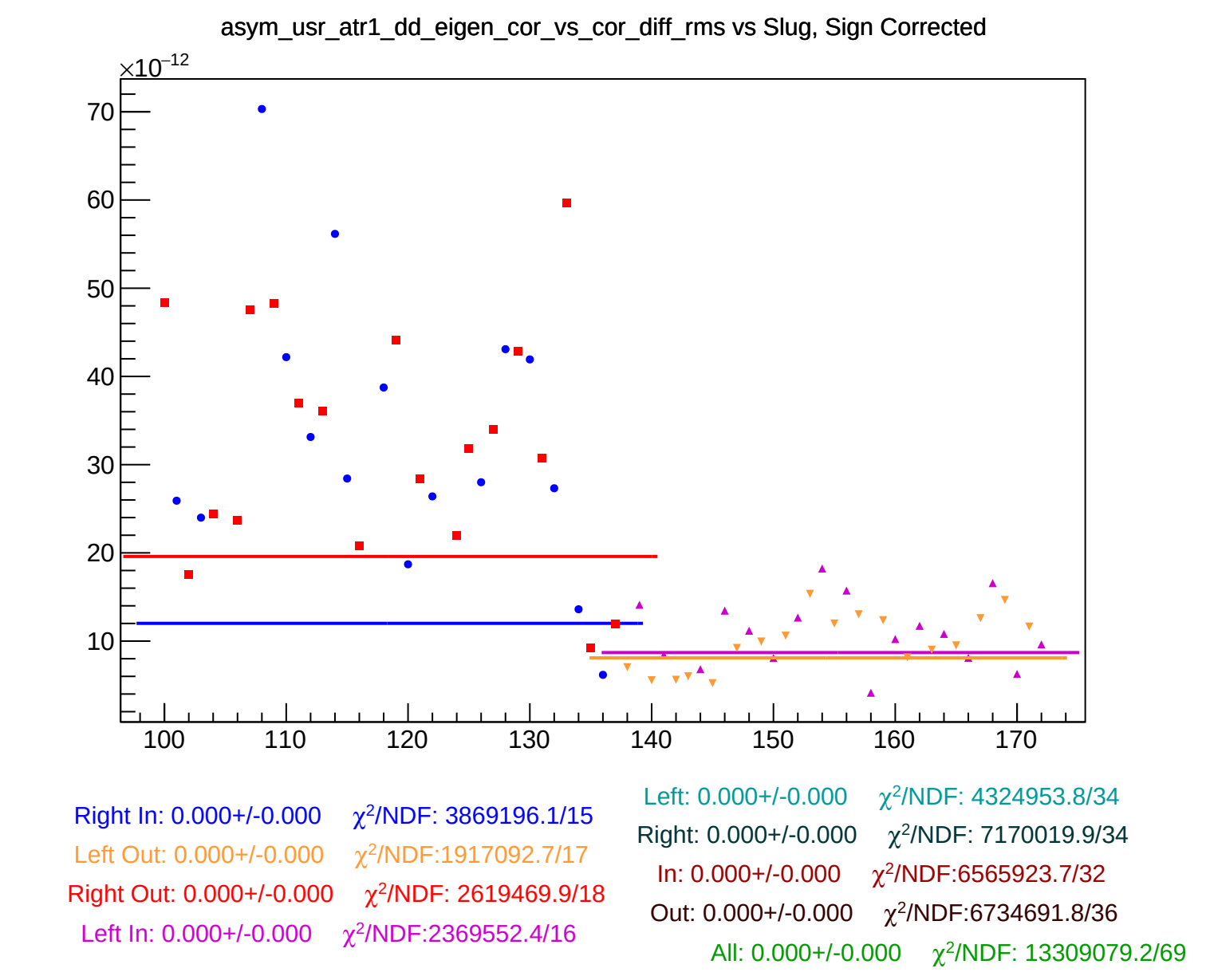
Left: -0.000+/-0.000 χ^2/NDF: 32.8/34

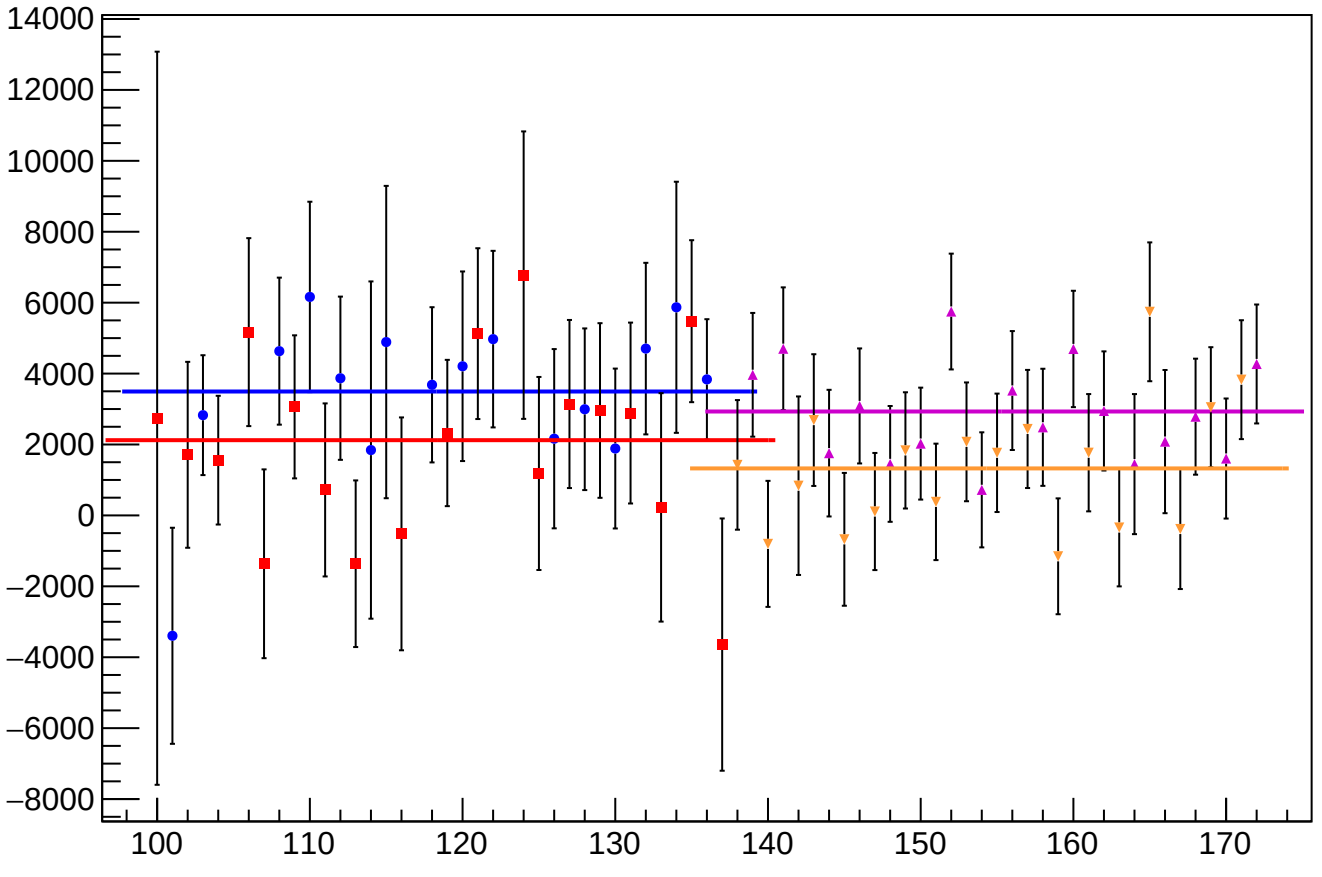
Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:31.4/32

Out: -0.000+/-0.000 χ^2/NDF:41.2/36

All: -0.000+/-0.000 χ^2/NDF: 72.7/69


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:1917092.7/17
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: 4324953.8/34
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:6734691.8/36
All: 0.000+/-0.000 χ²/NDF: 13309079.2/69



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1325.345+/-409.940 χ^2/NDF:17.6/17

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: 2125.497+/-290.313 χ^2/NDF: 36.4/34

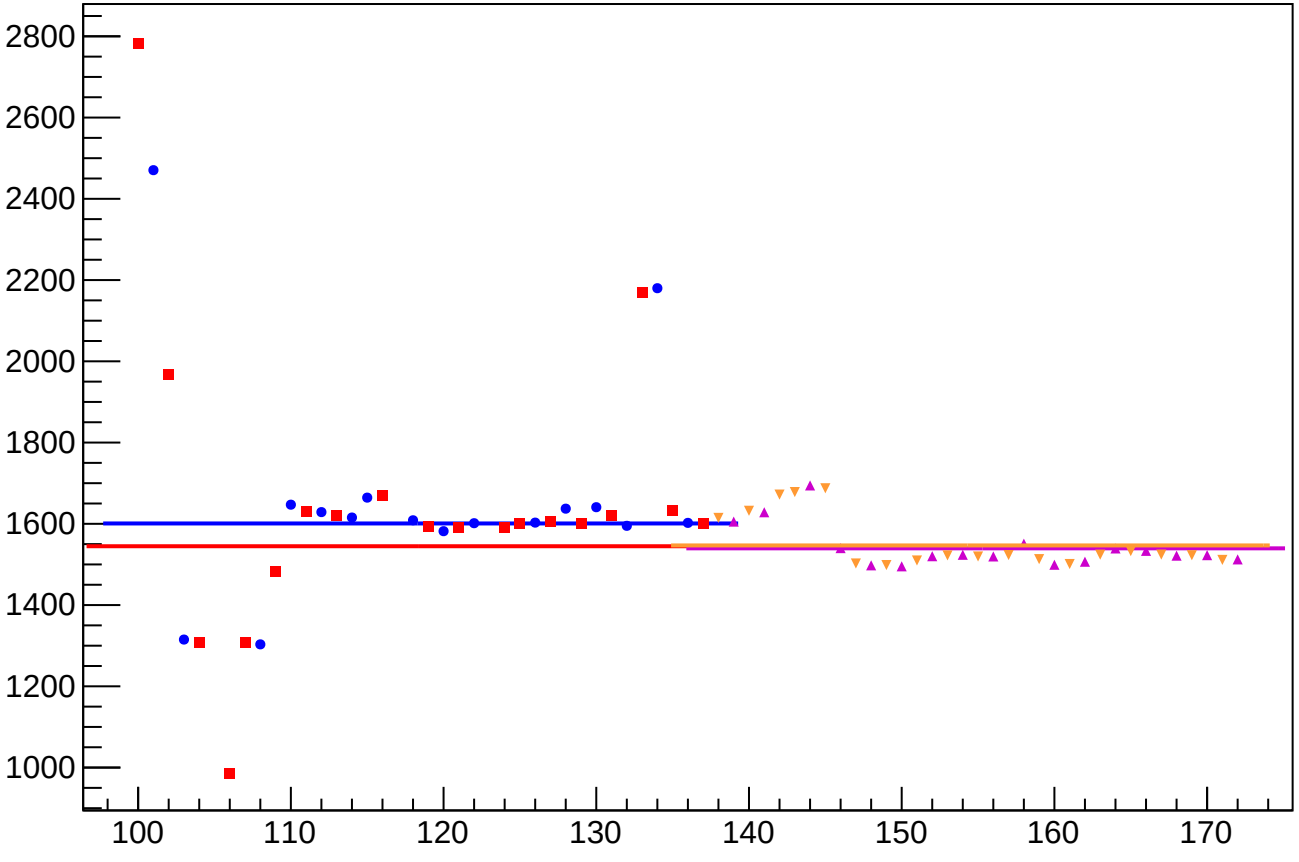
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3110.243+/-339.397 χ^2/NDF:20.6/32

Out: 1586.049+/-336.210 χ^2/NDF:33.9/36

All: 2340.955+/-238.855 χ^2/NDF: 64.7/69

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1546.791+/-0.290 χ^2/NDF:43674.1/17

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: 1543.221+/-0.205 χ^2/NDF: 73829.0/34

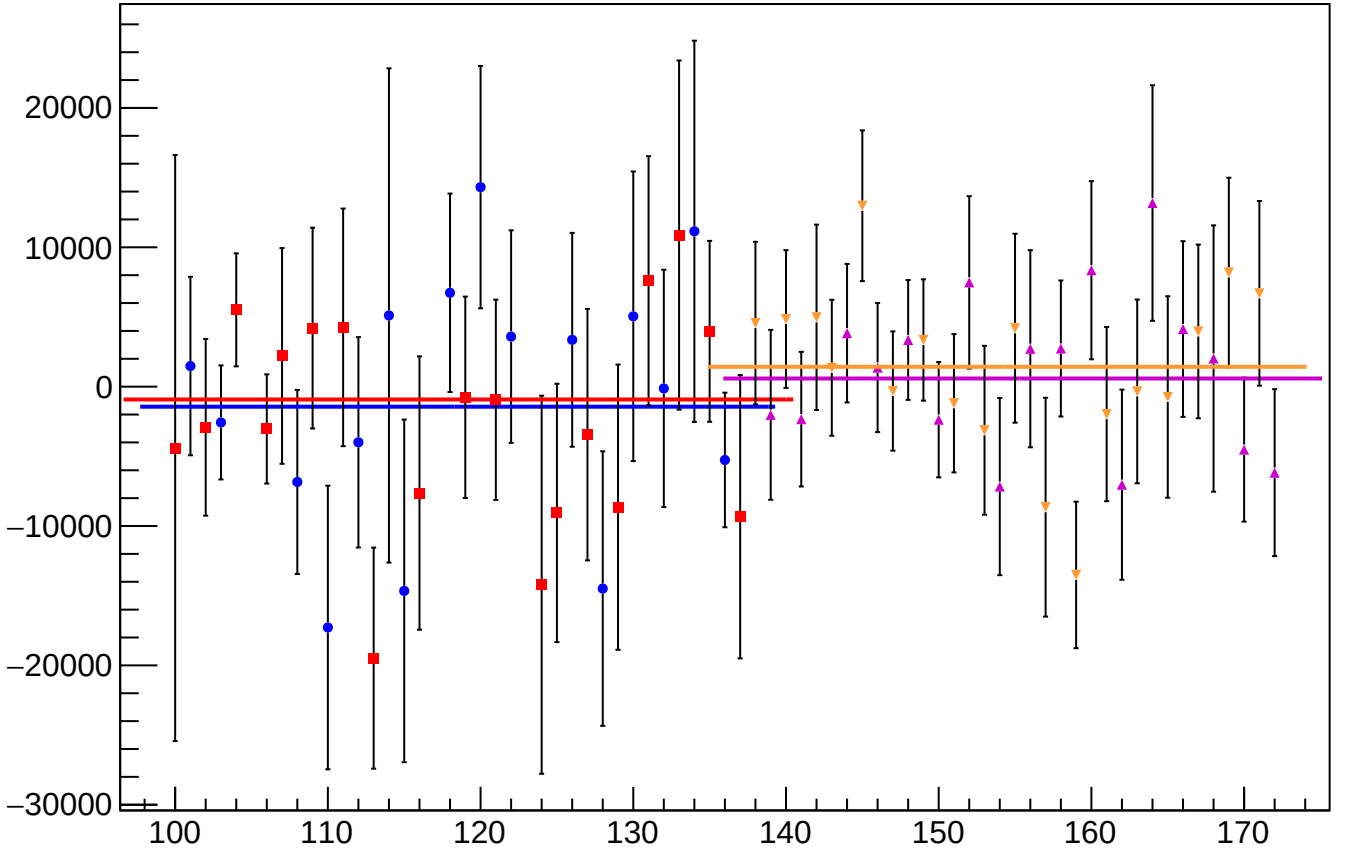
Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1559.150+/-0.240 χ^2/NDF:361408.2/32

Out: 1546.127+/-0.236 χ^2/NDF:419817.2/36

All: 1552.541+/-0.168 χ^2/NDF: 782719.9/69

asym_usr_atr2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 1426.542+/-1340.556 χ^2/NDF:19.0/17

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 586.301+/-1356.231 χ^2/NDF:12.5/16

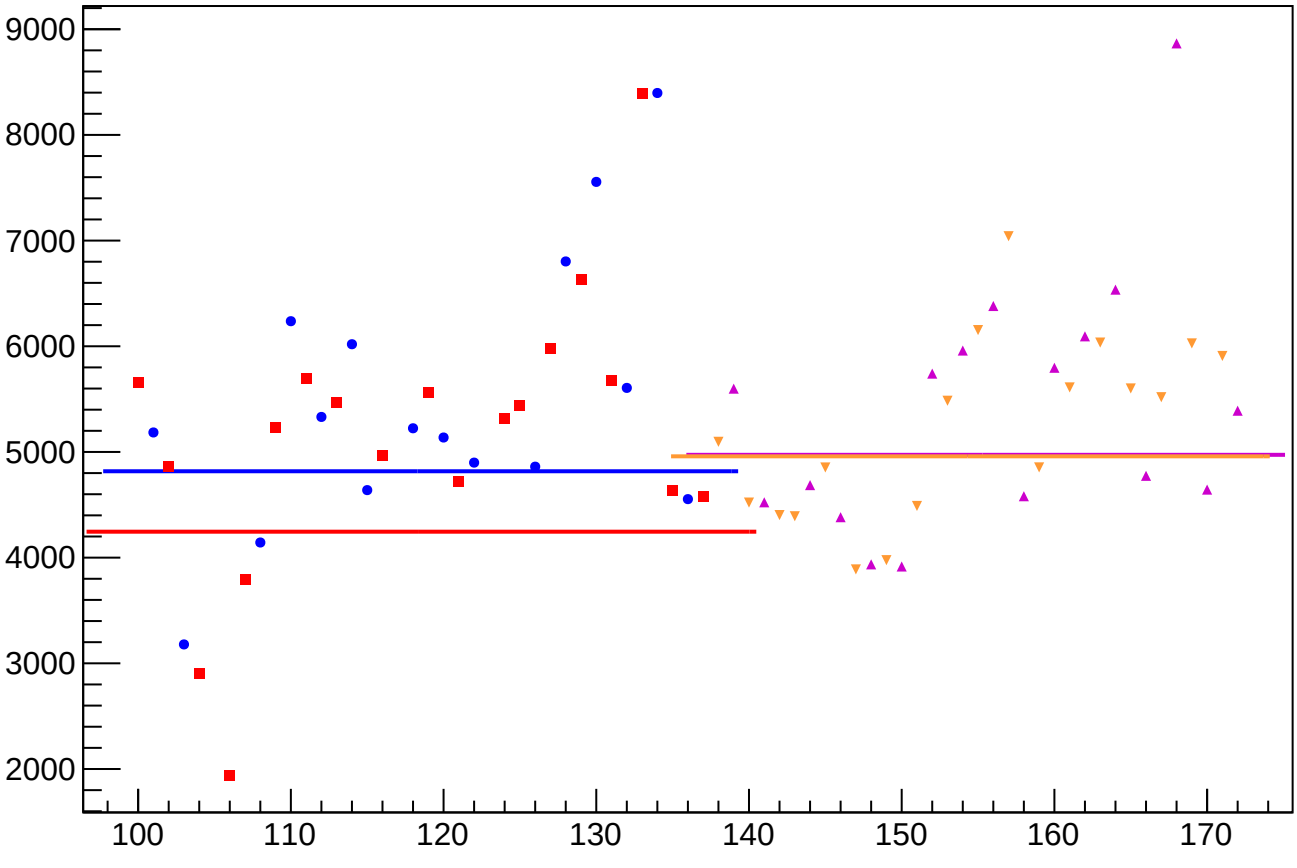
Left: 1011.305+/-953.410 χ^2/NDF: 31.6/34

Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -121.868+/-1093.440 χ^2/NDF:27.1/32

Out: 507.124+/-1045.229 χ^2/NDF:35.5/36

All: 206.800+/-755.557 χ^2/NDF: 62.8/69



Right In: 4817.344+/-1.307 χ^2/NDF: 795431.1/15

Left Out: 4958.642+/-0.948 χ^2/NDF:719501.1/17

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

Left In: 4972.834+/-0.959 χ^2/NDF:1002766.9/16

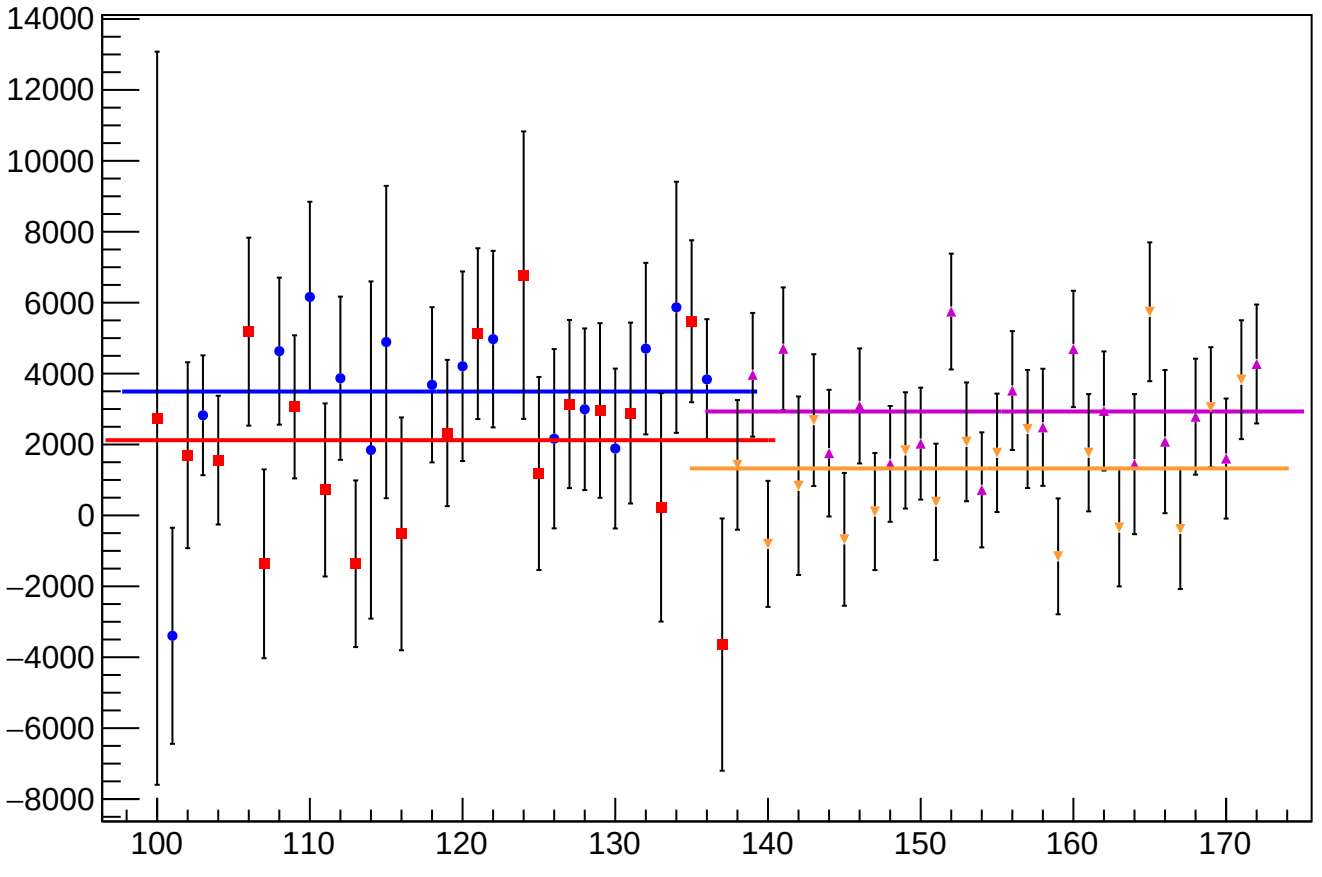
Left: 4965.656+/-0.674 χ^2/NDF: 1722378.9/34

Right: 4502.414+/-0.876 χ^2/NDF: 2584018.5/34

In: 4918.414+/-0.773 χ^2/NDF:1807398.8/32

Out: 4679.053+/-0.739 χ^2/NDF:2624550.1/36

All: 4793.340+/-0.534 χ^2/NDF: 4482028.6/69



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1325.197+/-409.940 χ^2/NDF:17.6/17

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2930.480+/-411.191 χ^2/NDF:11.2/16

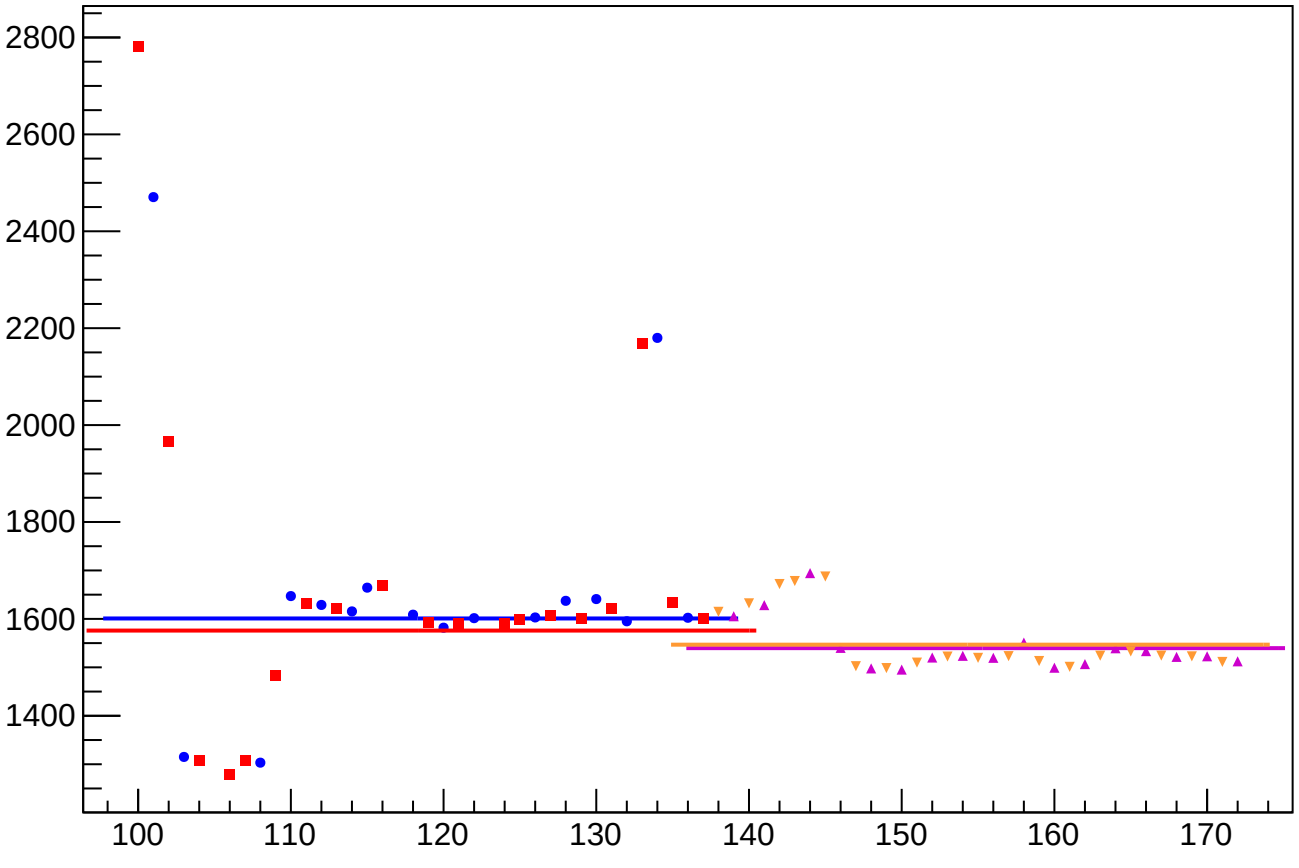
Left: 2125.393+/-290.313 χ^2/NDF: 36.4/34

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3110.096+/-339.397 χ^2/NDF:20.6/32

Out: 1585.945+/-336.210 χ^2/NDF:33.9/36

All: 2340.831+/-238.855 χ^2/NDF: 64.7/69



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1546.791+/-0.290 χ^2/NDF:43674.1/17

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1539.629+/-0.291 χ^2/NDF:29850.6/16

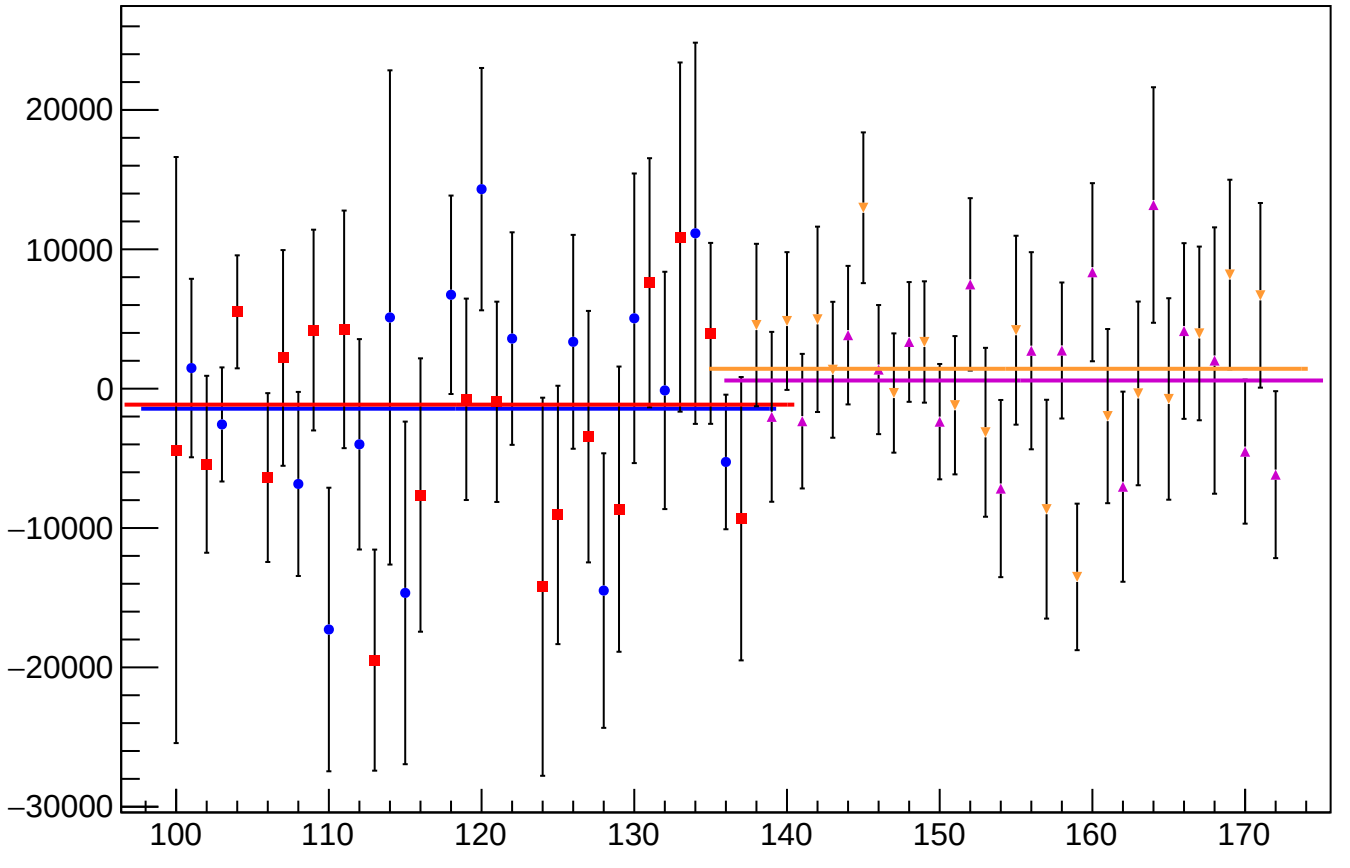
Left: 1543.221+/-0.205 χ^2/NDF: 73828.9/34

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1559.151+/-0.240 χ^2/NDF:361407.5/32

Out: 1556.371+/-0.237 χ^2/NDF:290324.9/36

All: 1557.746+/-0.169 χ^2/NDF: 651800.2/69



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1426.513+/-1340.553 χ^2/NDF:19.0/17

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: 1011.311+/-953.409 χ^2/NDF: 31.6/34

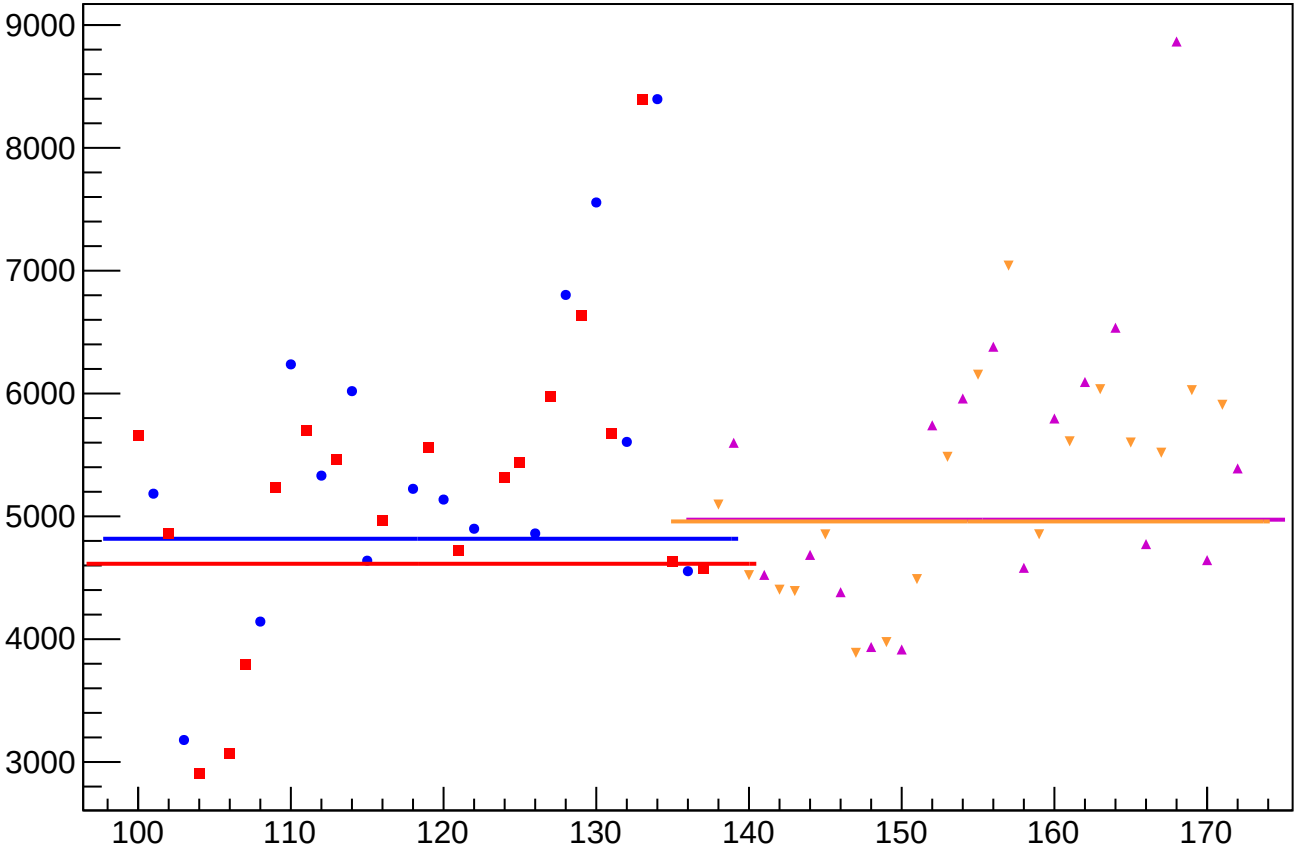
Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -121.908+/-1093.447 χ^2/NDF:27.1/32

Out: 485.600+/-1067.629 χ^2/NDF:36.6/36

All: 189.102+/-763.892 χ^2/NDF: 63.8/69

asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4958.631+/-0.948 χ^2/NDF:719507.5/17

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4972.832+/-0.959 χ^2/NDF:1002768.9/16

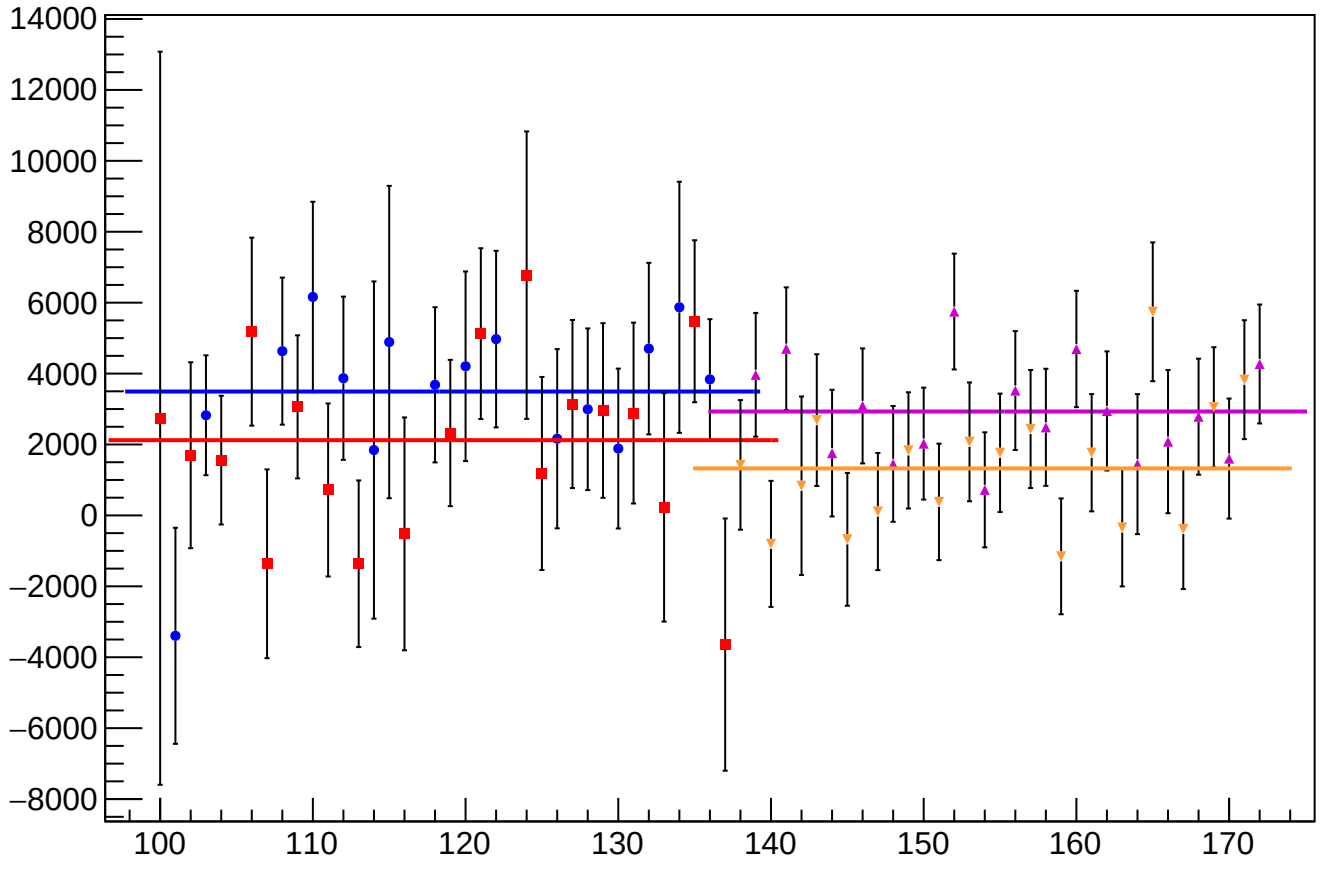
Left: 4965.649+/-0.674 χ^2/NDF: 1722387.3/34

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4918.462+/-0.773 χ^2/NDF:1807186.3/32

Out: 4832.534+/-0.755 χ^2/NDF:1745850.5/36

All: 4874.472+/-0.540 χ^2/NDF: 3559360.0/69



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1325.197+/-409.940 χ^2/NDF:17.6/17

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2930.480+/-411.191 χ^2/NDF:11.2/16

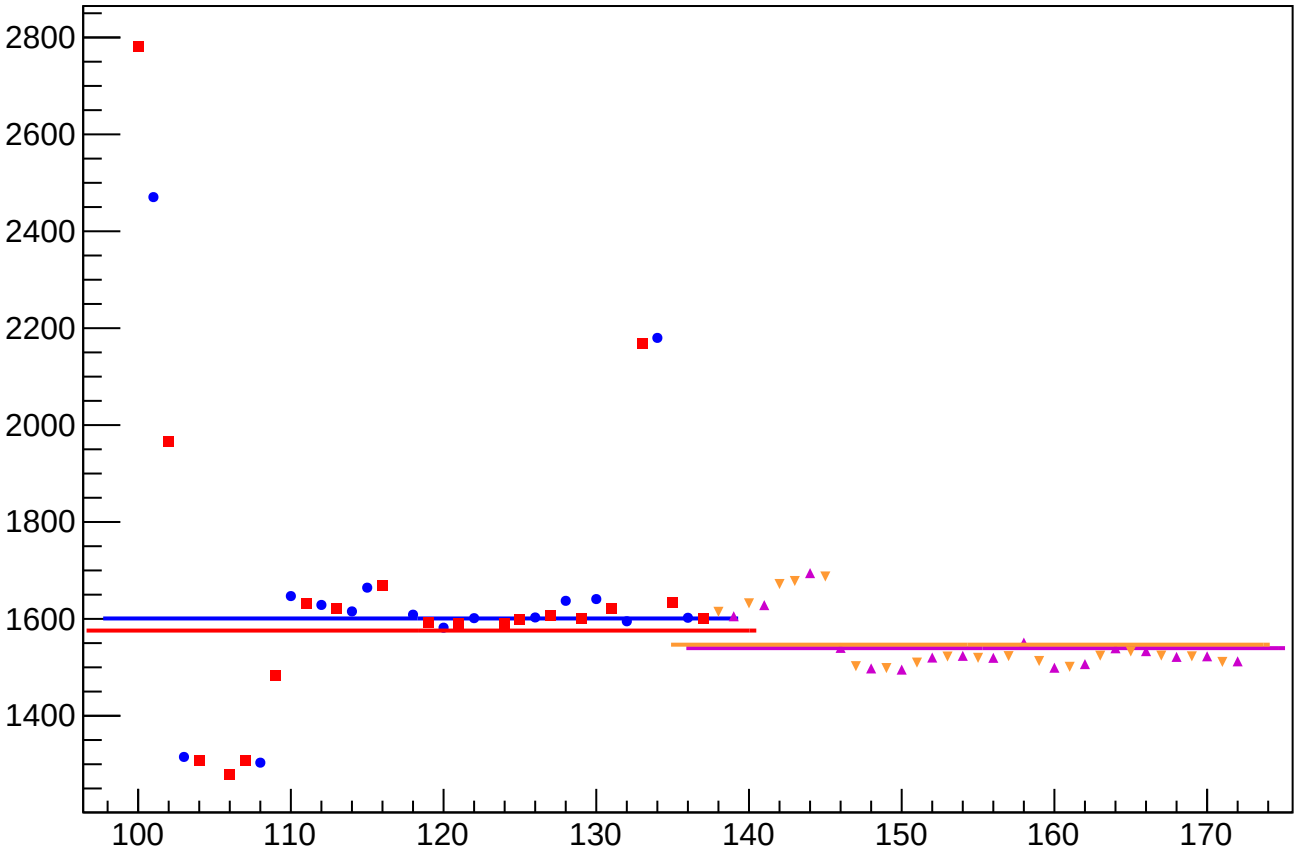
Left: 2125.393+/-290.313 χ^2/NDF: 36.4/34

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3110.096+/-339.397 χ^2/NDF:20.6/32

Out: 1585.945+/-336.210 χ^2/NDF:33.9/36

All: 2340.831+/-238.855 χ^2/NDF: 64.7/69



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1546.791+/-0.290 χ^2/NDF:43674.1/17

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1539.629+/-0.291 χ^2/NDF:29850.6/16

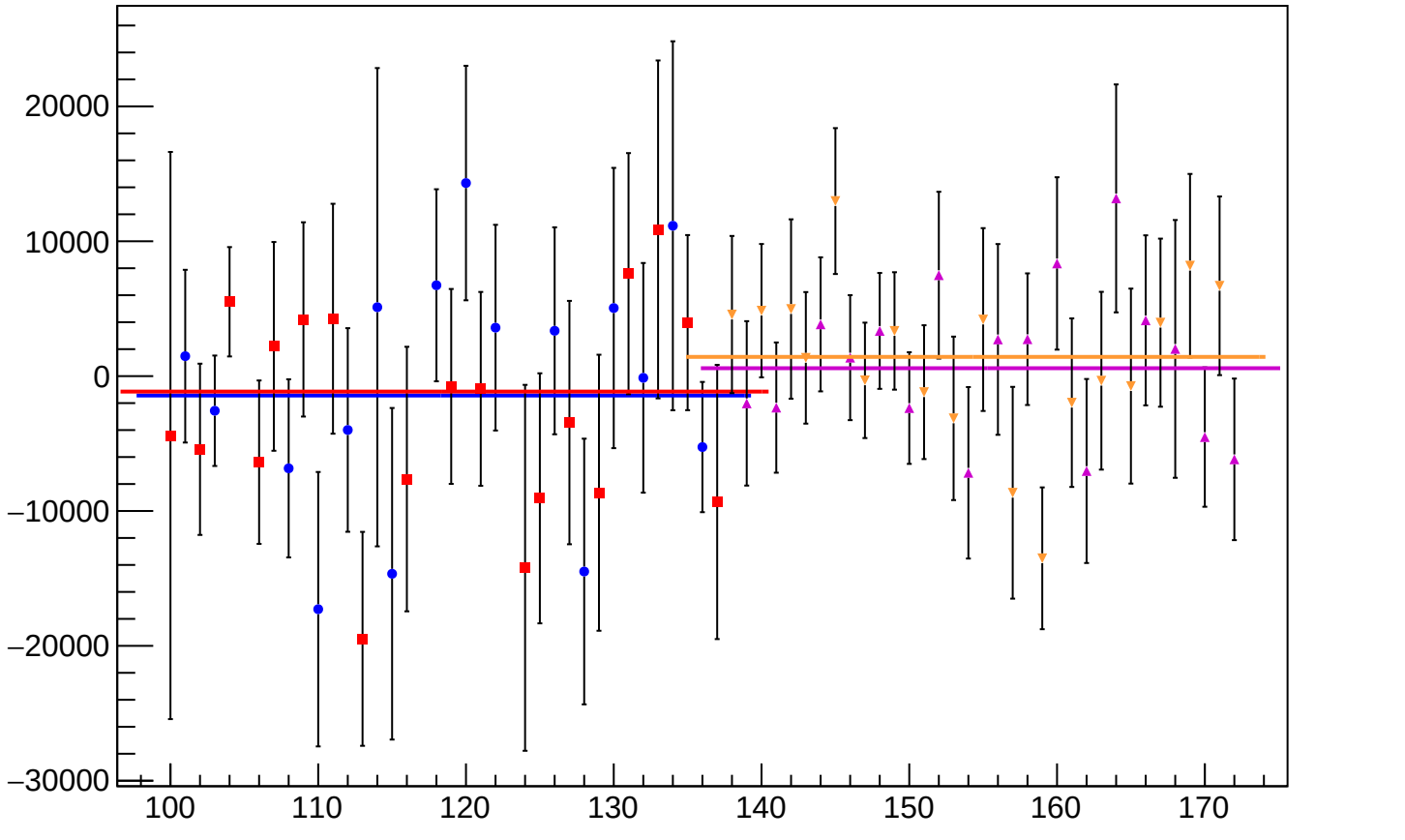
Left: 1543.221+/-0.205 χ^2/NDF: 73828.9/34

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1559.151+/-0.240 χ^2/NDF:361407.5/32

Out: 1556.371+/-0.237 χ^2/NDF:290324.9/36

All: 1557.746+/-0.169 χ^2/NDF: 651800.2/69



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1426.513+/-1340.553 χ^2/NDF:19.0/17

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 586.341+/-1356.230 χ^2/NDF:12.5/16

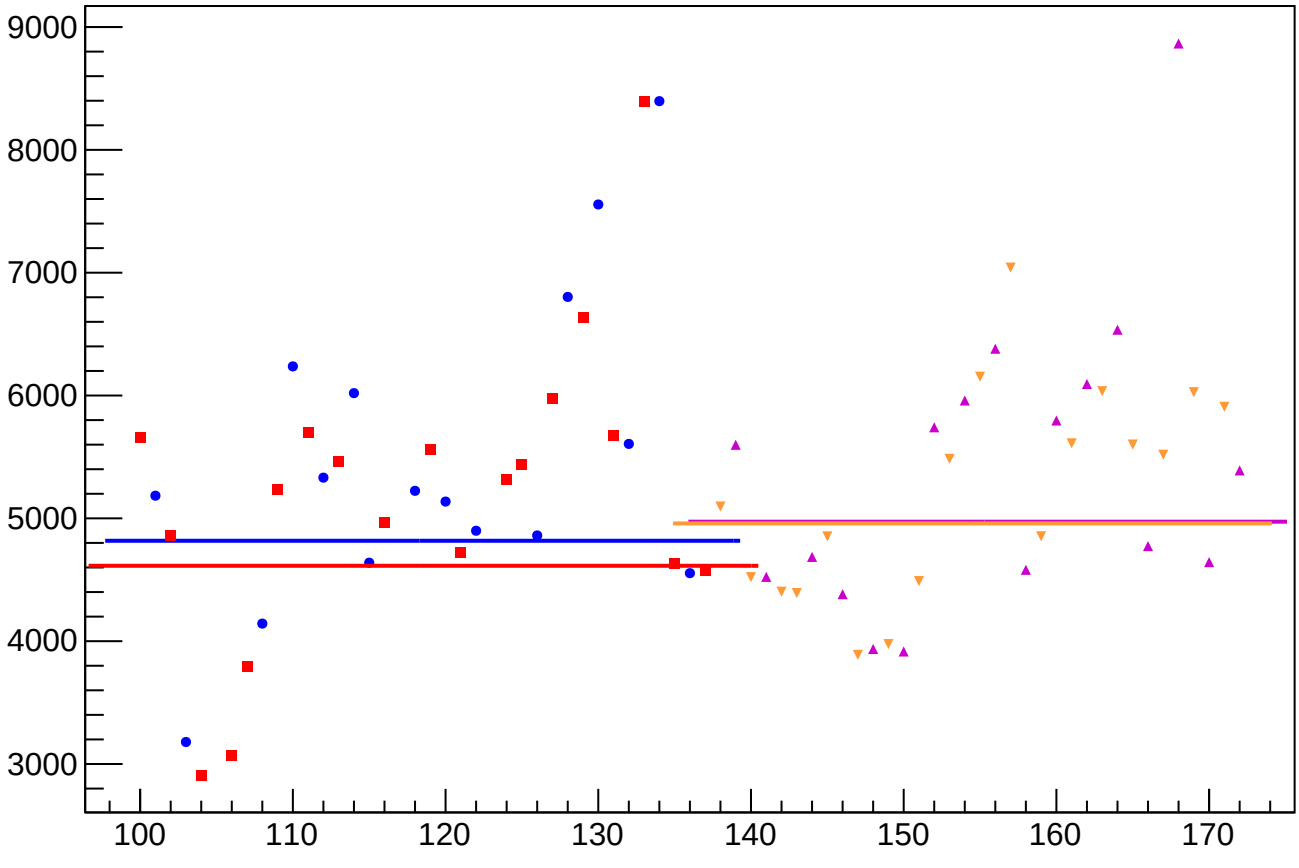
Left: 1011.311+/-953.409 χ^2/NDF: 31.6/34

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -121.908+/-1093.447 χ^2/NDF:27.1/32

Out: 485.600+/-1067.629 χ^2/NDF:36.6/36

All: 189.102+/-763.892 χ^2/NDF: 63.8/69



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4958.631+/-0.948 χ^2/NDF:719507.5/17

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4972.832+/-0.959 χ^2/NDF:1002768.9/16

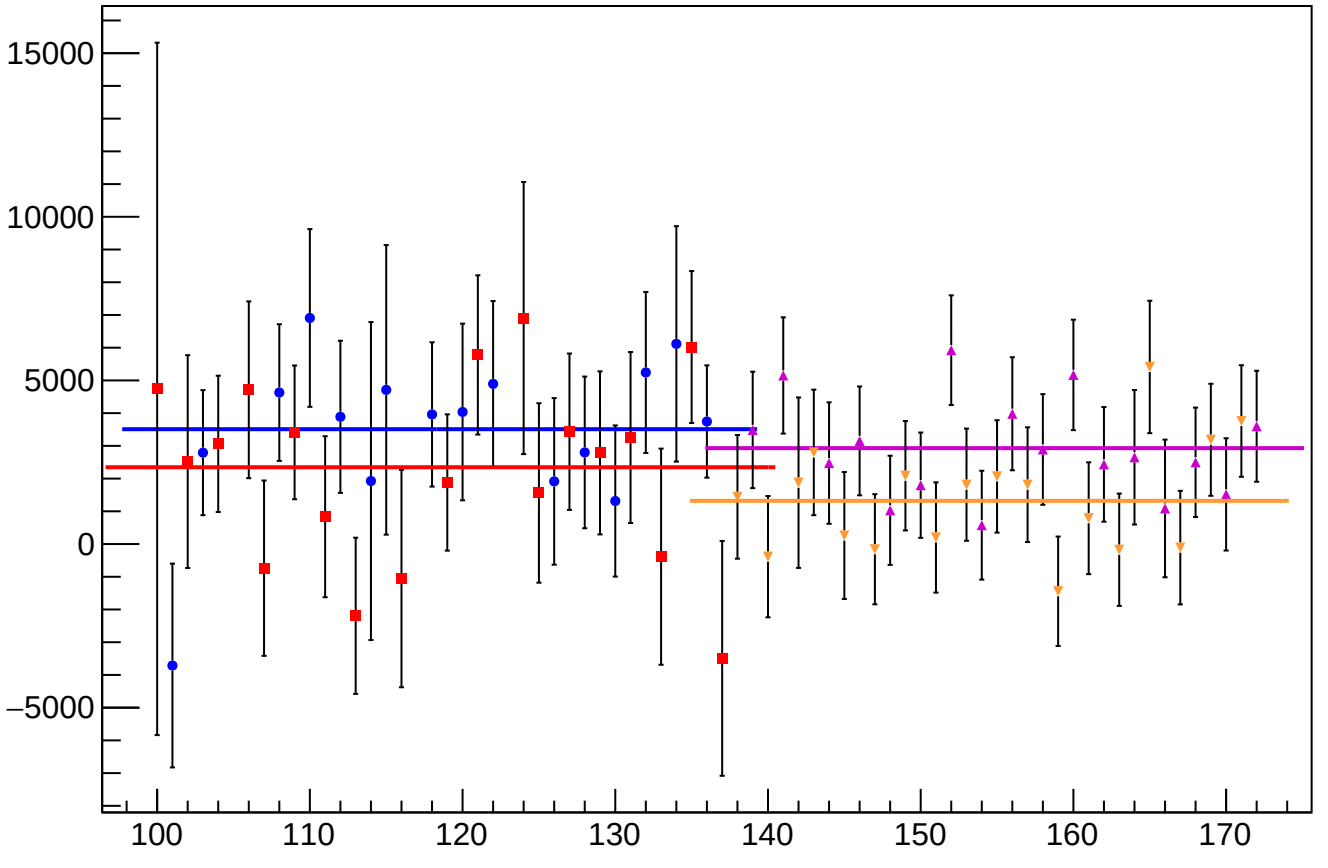
Left: 4965.649+/-0.674 χ^2/NDF: 1722387.3/34

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4918.462+/-0.773 χ^2/NDF:1807186.3/32

Out: 4832.534+/-0.755 χ^2/NDF:1745850.5/36

All: 4874.472+/-0.540 χ^2/NDF: 3559360.0/69



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1320.297+/-421.583 χ^2/NDF:15.2/17

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: 2124.674+/-298.228 χ^2/NDF: 35.1/34

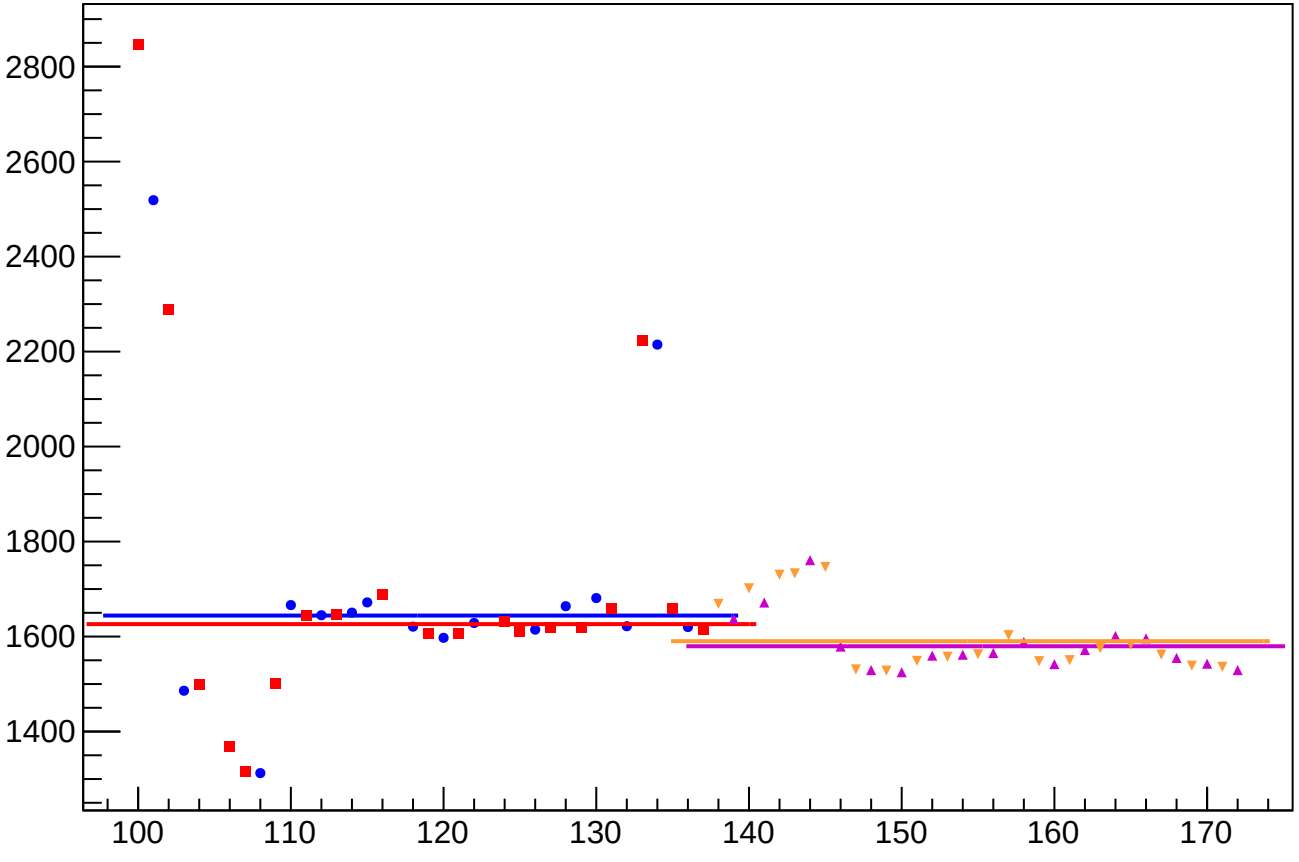
Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3115.030+/-348.234 χ^2/NDF:23.6/32

Out: 1653.977+/-346.354 χ^2/NDF:34.2/36

All: 2380.549+/-245.571 χ^2/NDF: 66.6/69

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1590.266+/-0.298 χ^2/NDF:55199.3/17

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1579.564+/-0.298 χ^2/NDF:35864.9/16

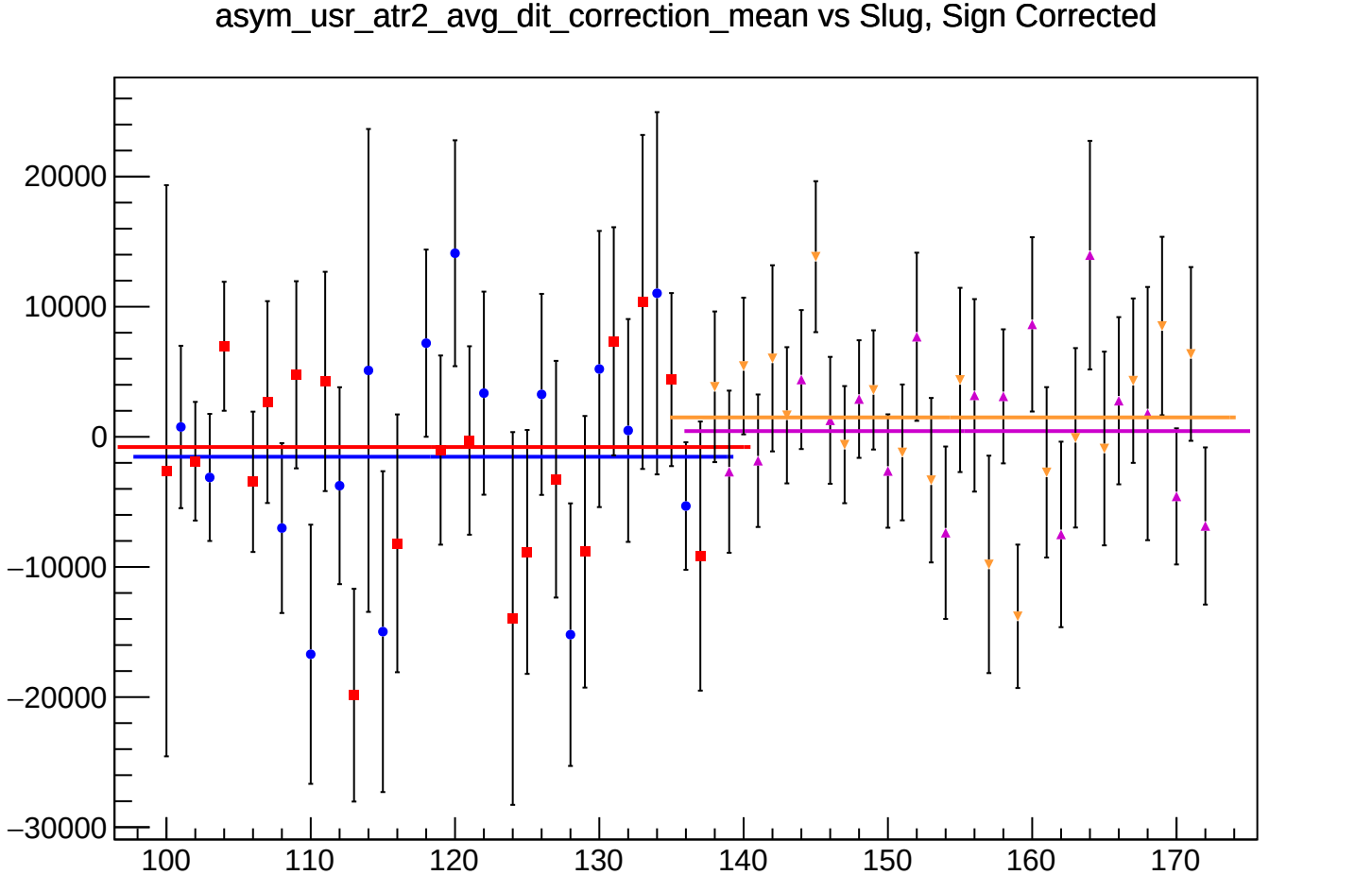
Left: 1584.919+/-0.211 χ^2/NDF: 91708.0/34

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1600.172+/-0.246 χ^2/NDF:325646.0/32

Out: 1601.952+/-0.245 χ^2/NDF:297560.4/36

All: 1601.067+/-0.174 χ^2/NDF: 623232.6/69



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 1493.687+/-1401.611 χ^2/NDF:19.0/17

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 441.490+/-1414.843 χ^2/NDF:12.5/16

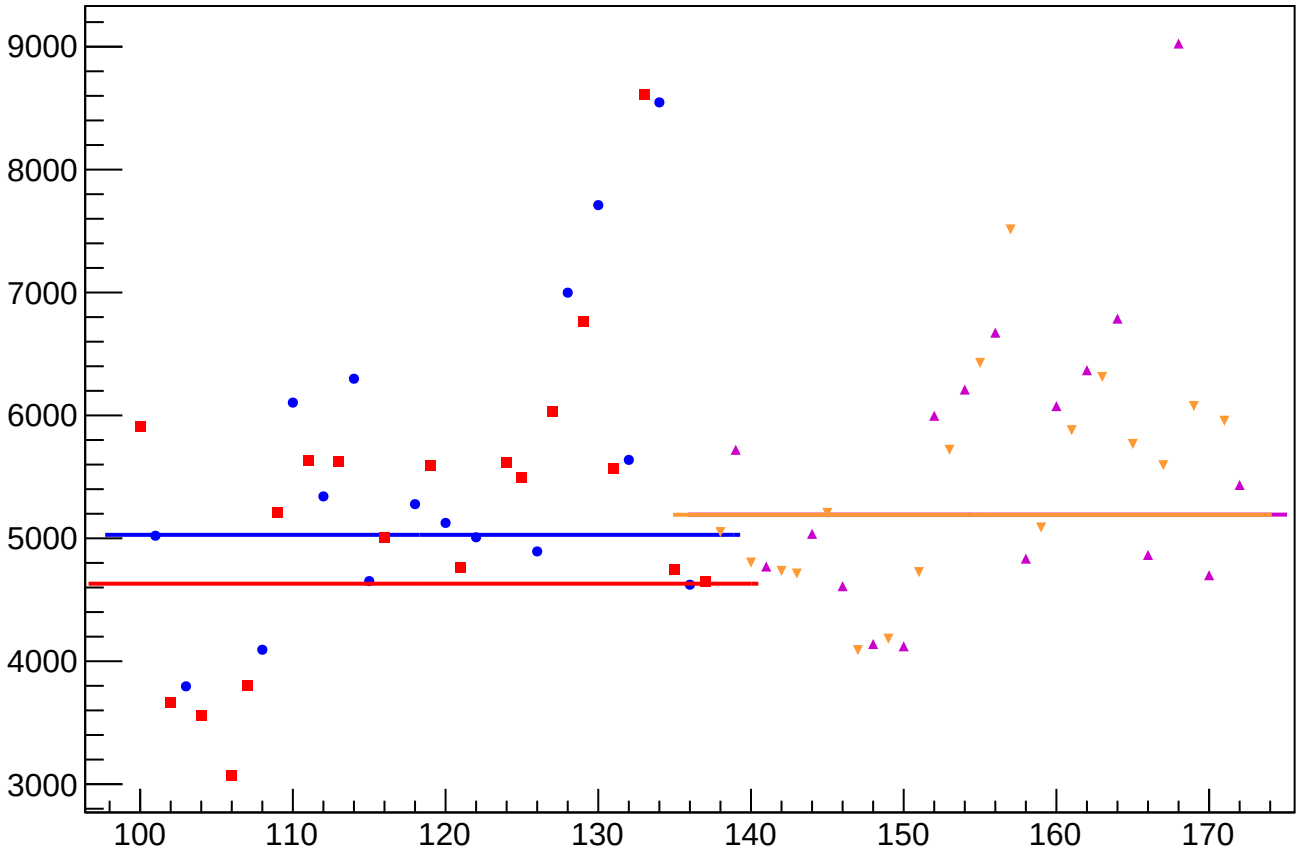
Left: 972.532+/-995.734 χ^2/NDF: 31.8/34

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -255.973+/-1137.699 χ^2/NDF:27.1/32

Out: 602.605+/-1093.632 χ^2/NDF:35.1/36

All: 190.265+/-788.433 χ^2/NDF: 62.4/69



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5191.665+/-0.991 χ^2/NDF:654385.9/17

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 5192.949+/-1.000 χ^2/NDF:947443.0/16

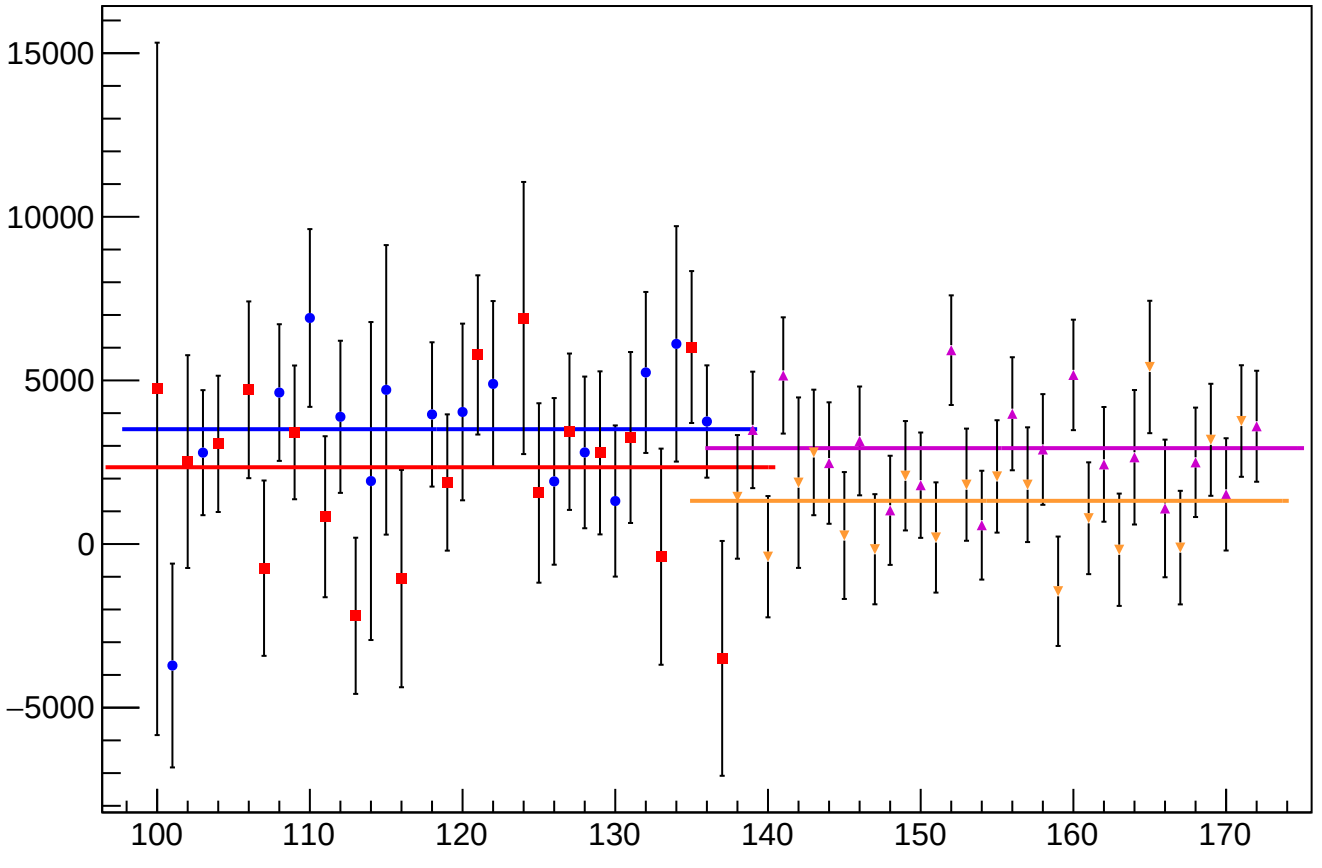
Left: 5192.301+/-0.704 χ^2/NDF: 1601829.7/34

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5134.816+/-0.804 χ^2/NDF:1522466.9/32

Out: 4972.304+/-0.773 χ^2/NDF:1643132.4/36

All: 5050.352+/-0.558 χ^2/NDF: 3186808.8/69



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1320.290+/-421.584 χ^2/NDF:15.2/17

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 2930.393+/-421.934 χ^2/NDF:12.6/16

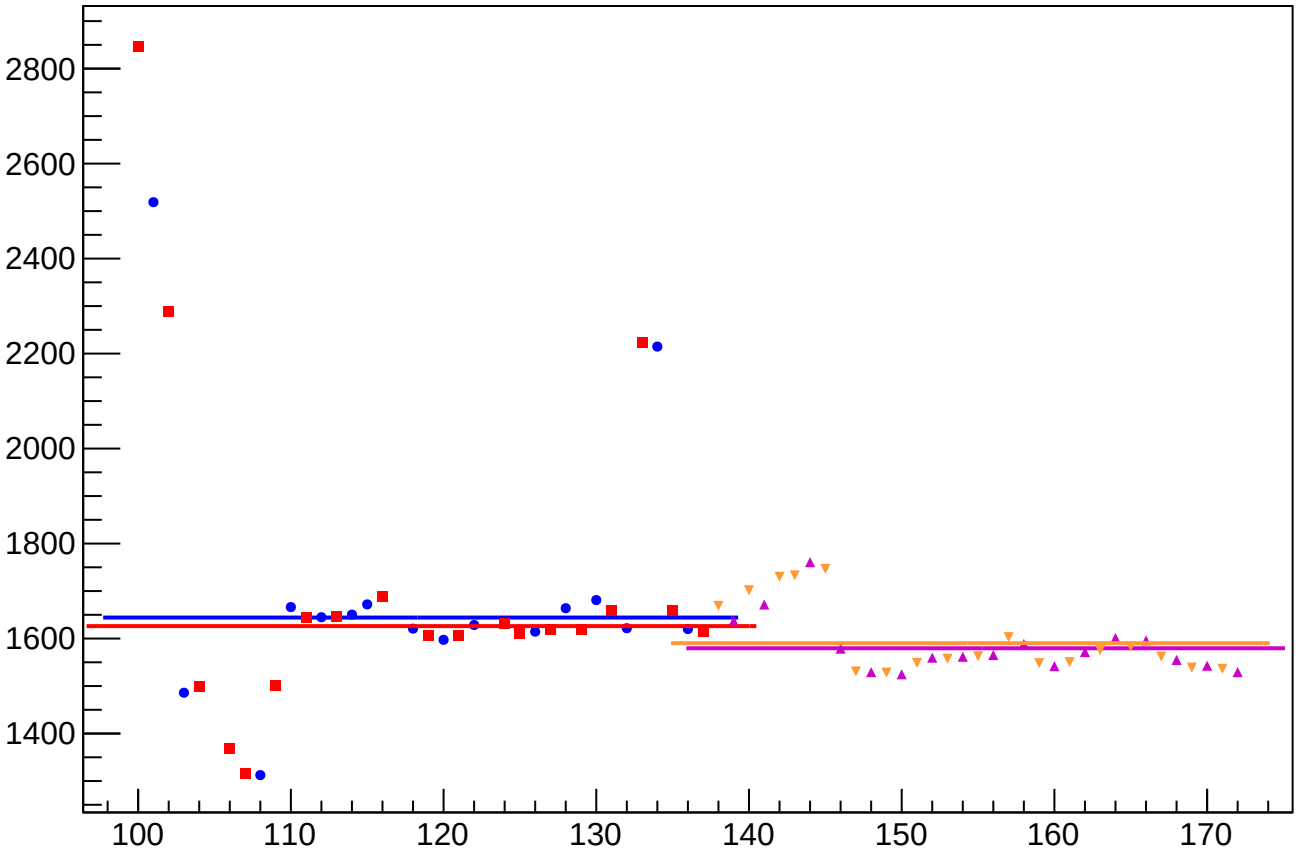
Left: 2124.672+/-298.228 χ^2/NDF: 35.1/34

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3115.034+/-348.234 χ^2/NDF:23.6/32

Out: 1653.975+/-346.354 χ^2/NDF:34.2/36

All: 2380.549+/-245.572 χ^2/NDF: 66.6/69



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1590.267+/-0.298 χ^2/NDF:55199.4/17

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1579.566+/-0.298 χ^2/NDF:35864.9/16

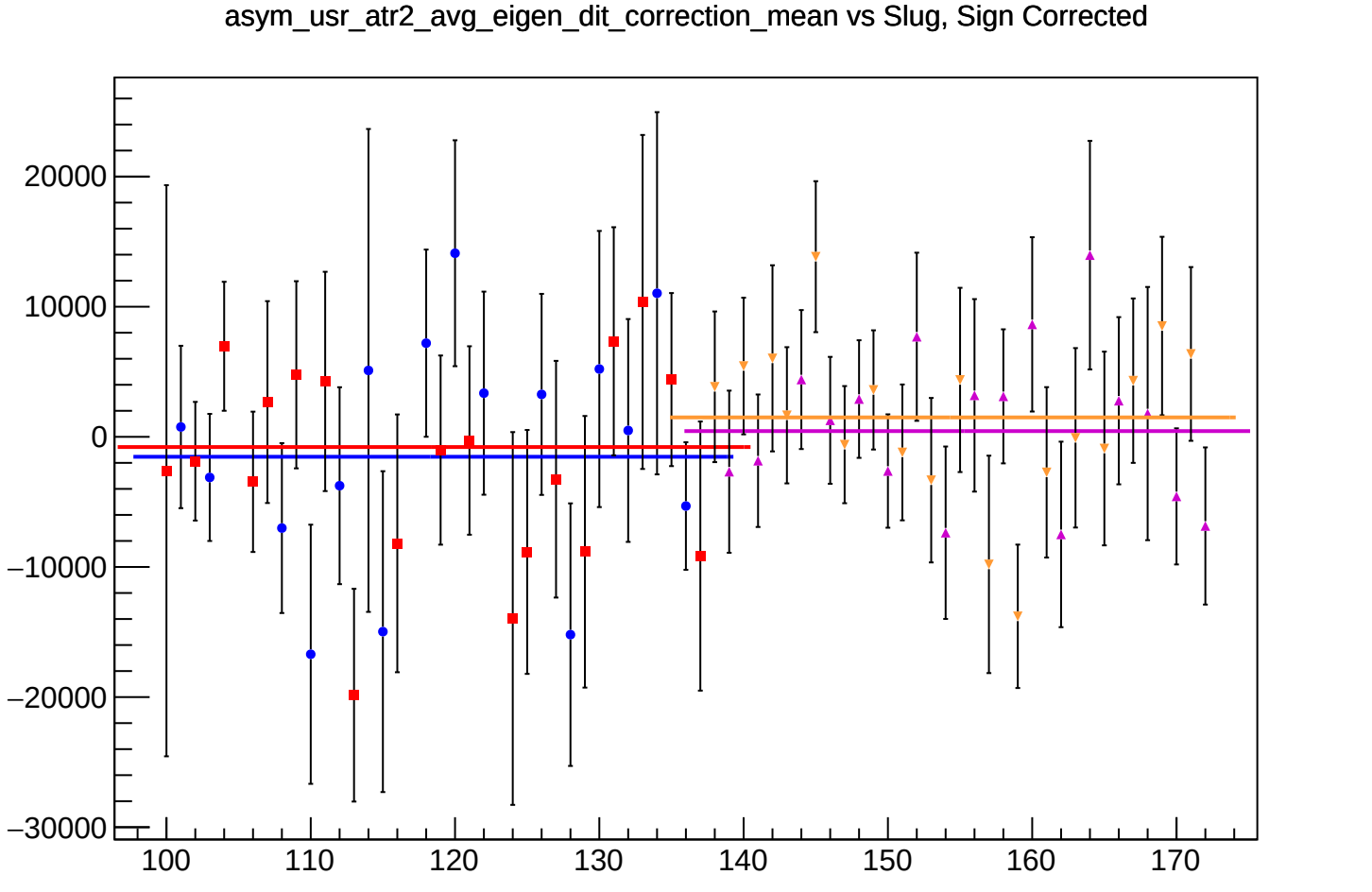
Left: 1584.921+/-0.211 χ^2/NDF: 91708.1/34

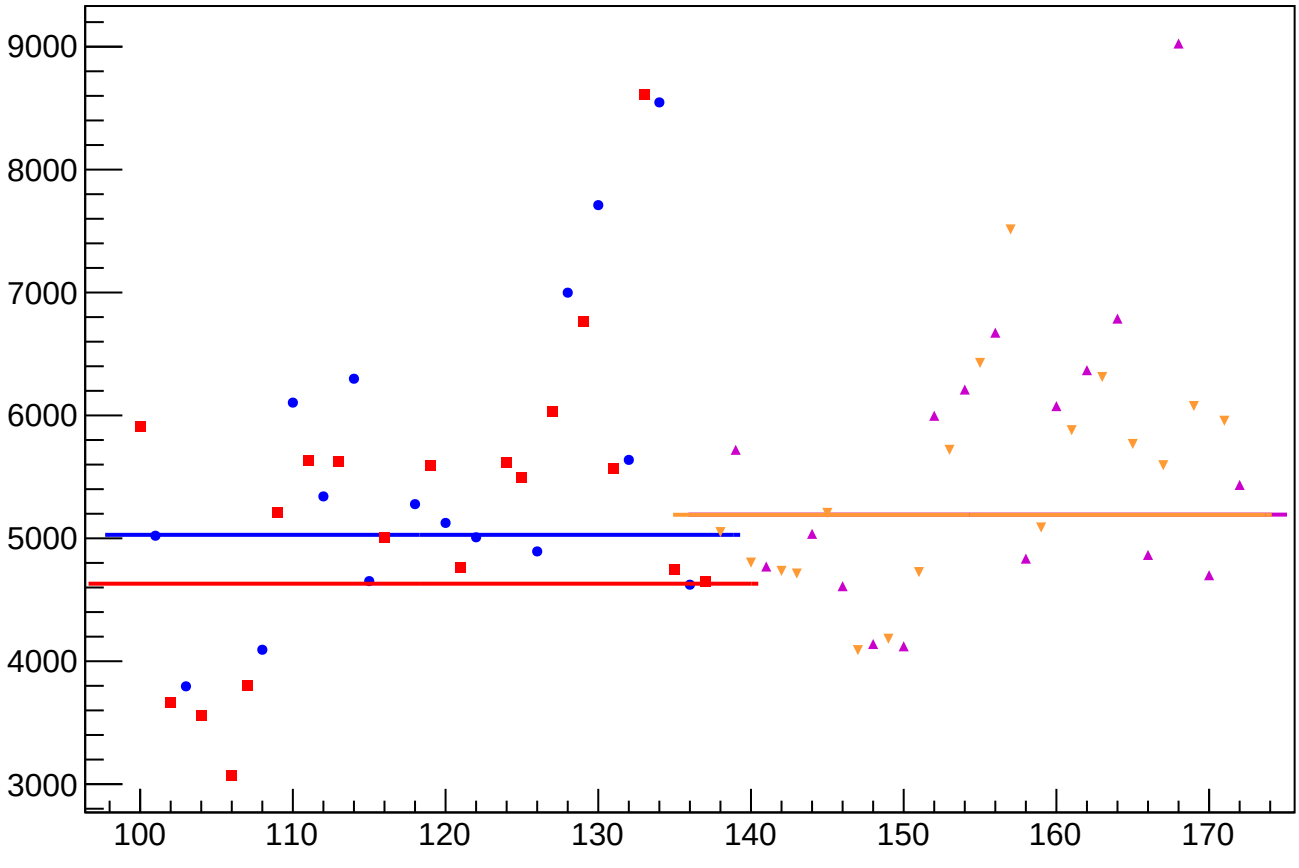
Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

In: 1600.172+/-0.246 χ^2/NDF:325645.3/32

Out: 1601.952+/-0.245 χ^2/NDF:297559.7/36

All: 1601.067+/-0.174 χ^2/NDF: 623231.3/69


asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -1532.095+/-1913.796 χ²/NDF: 13.9/15
Left Out: 1493.684+/-1401.613 χ²/NDF:19.0/17
Right Out: -784.236+/-1748.563 χ²/NDF: 15.0/18
Left In: 441.488+/-1414.845 χ²/NDF:12.5/16
Left: 972.529+/-995.736 χ²/NDF: 31.8/34
Right: -1124.493+/-1290.891 χ²/NDF: 29.0/34
In: -255.972+/-1137.700 χ²/NDF:27.1/32
Out: 602.600+/-1093.633 χ²/NDF:35.1/36
All: 190.263+/-788.434 χ²/NDF: 62.4/69



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5191.674+/-0.991 χ^2/NDF:654386.5/17

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 5192.958+/-1.000 χ^2/NDF:947444.6/16

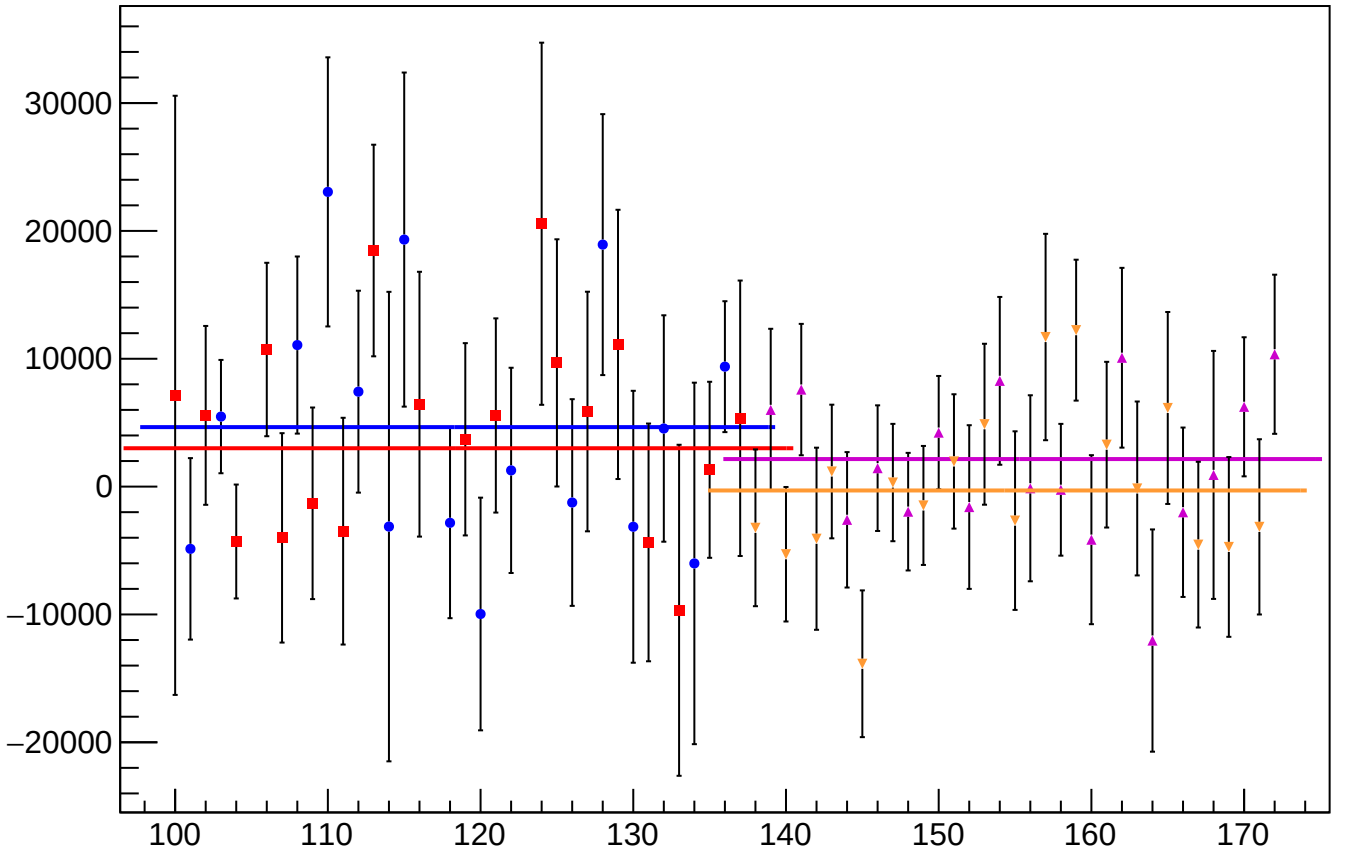
Left: 5192.310+/-0.704 χ^2/NDF: 1601831.9/34

Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5134.819+/-0.804 χ^2/NDF:1522463.9/32

Out: 4972.306+/-0.773 χ^2/NDF:1643133.9/36

All: 5050.354+/-0.558 χ^2/NDF: 3186807.5/69



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -302.513+/-1411.719 χ^2/NDF:17.6/17

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: 913.277+/-1003.393 χ^2/NDF: 31.5/34

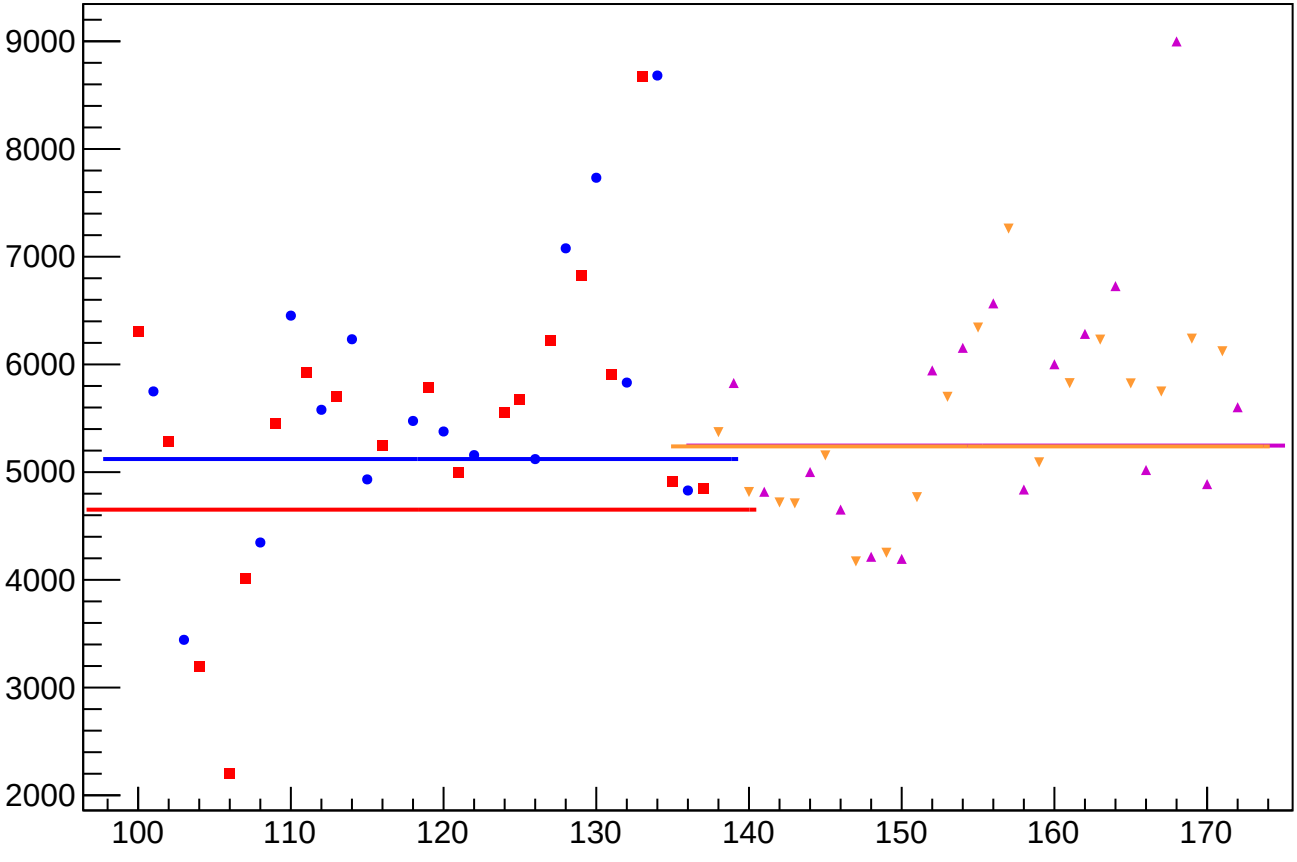
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 3020.542+/-1153.020 χ^2/NDF:29.0/32

Out: 886.316+/-1129.489 χ^2/NDF:33.4/36

All: 1931.429+/-806.860 χ^2/NDF: 64.1/69

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5239.006+/-0.998 χ^2/NDF:604520.4/17

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 5246.483+/-1.009 χ^2/NDF:862436.1/16

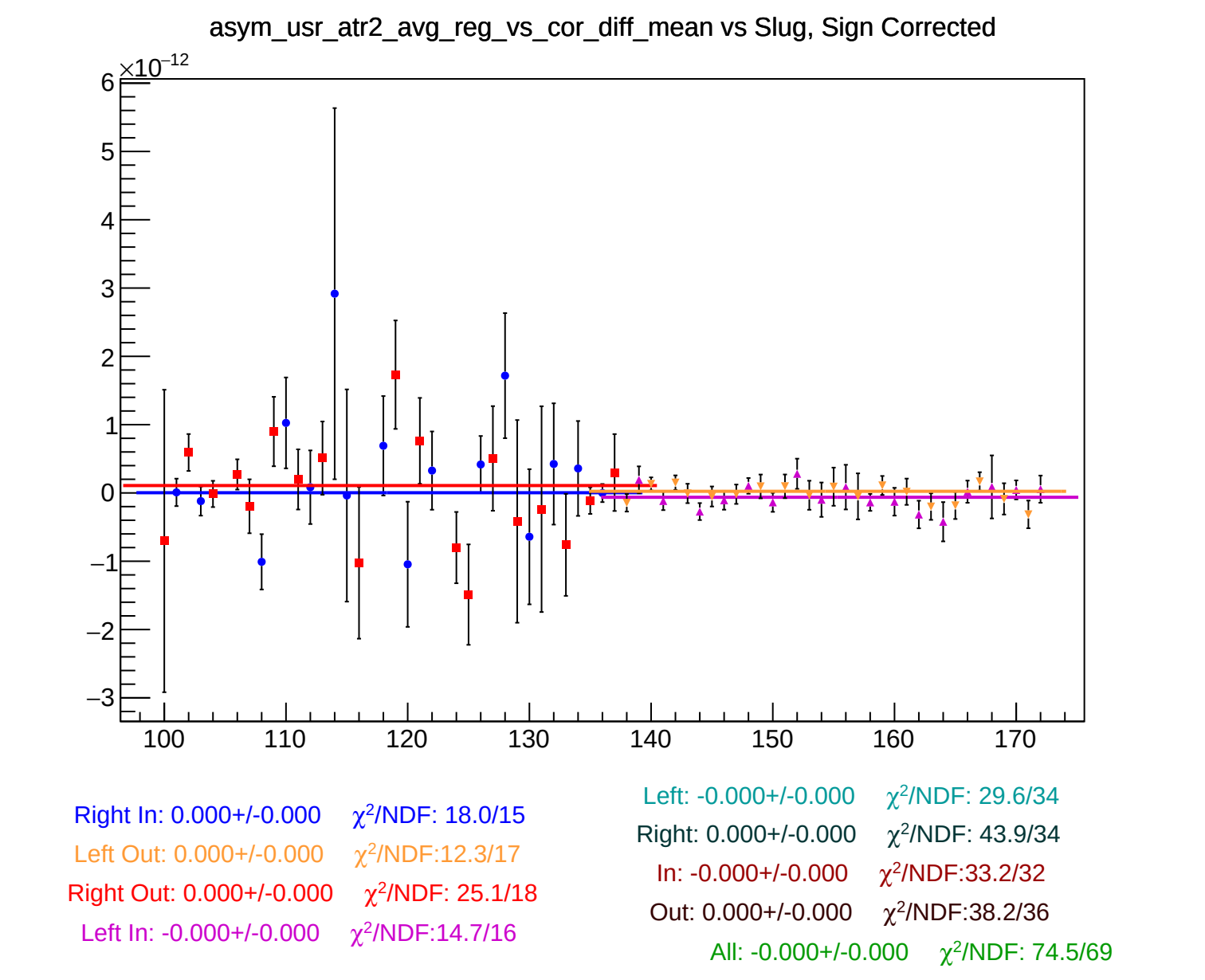
Left: 5242.706+/-0.710 χ^2/NDF: 1466984.3/34

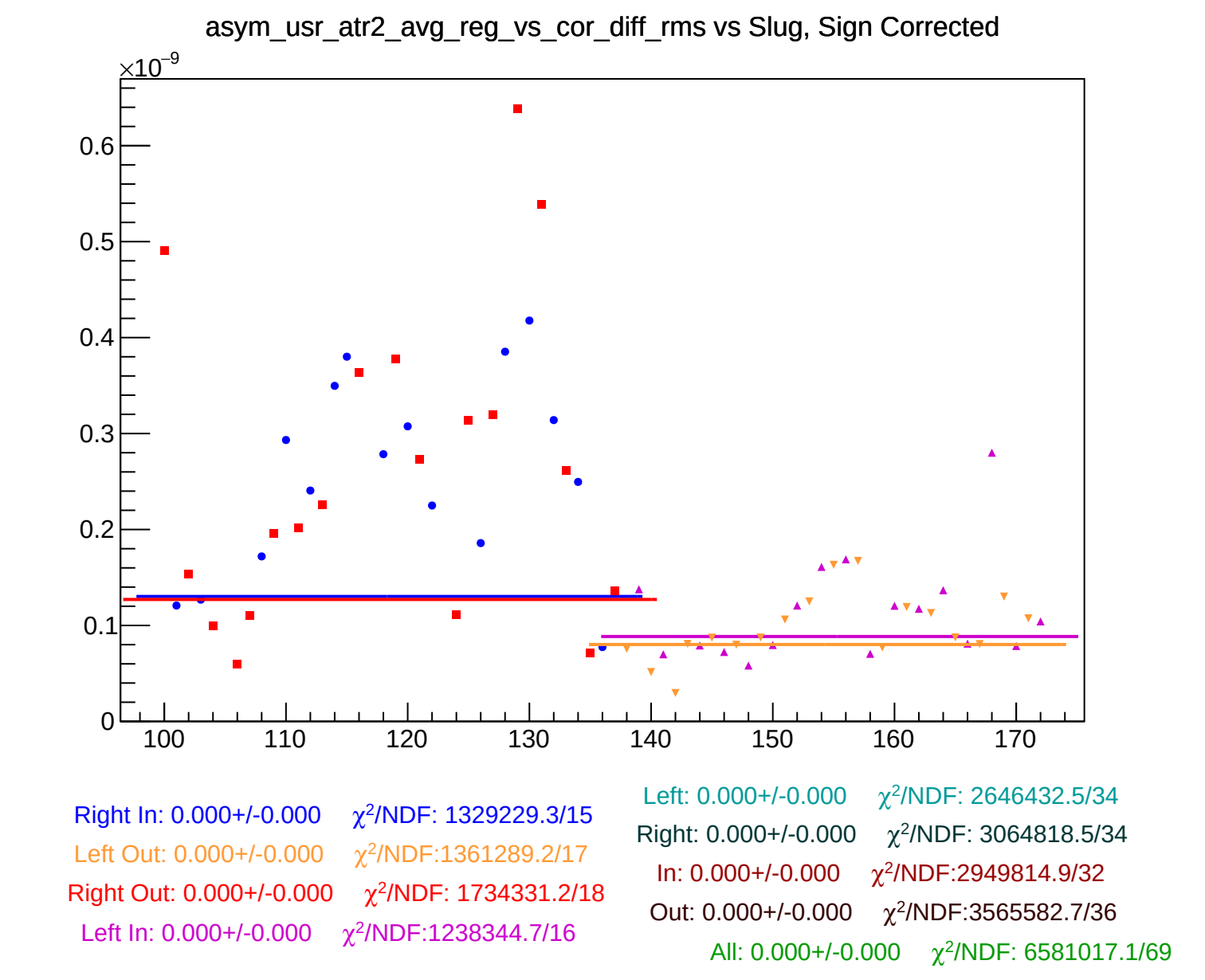
Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

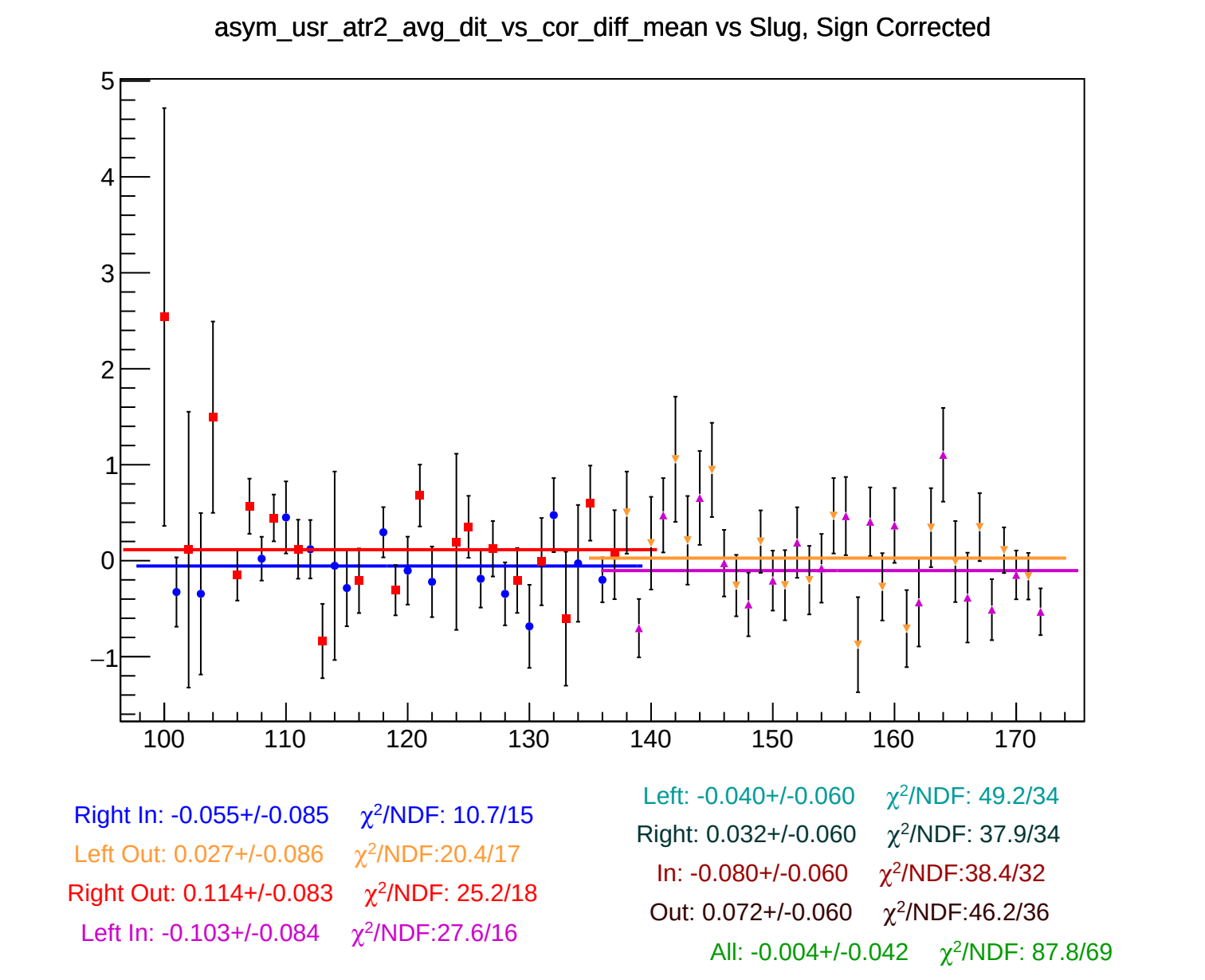
In: 5203.214+/-0.815 χ^2/NDF:1588115.8/32

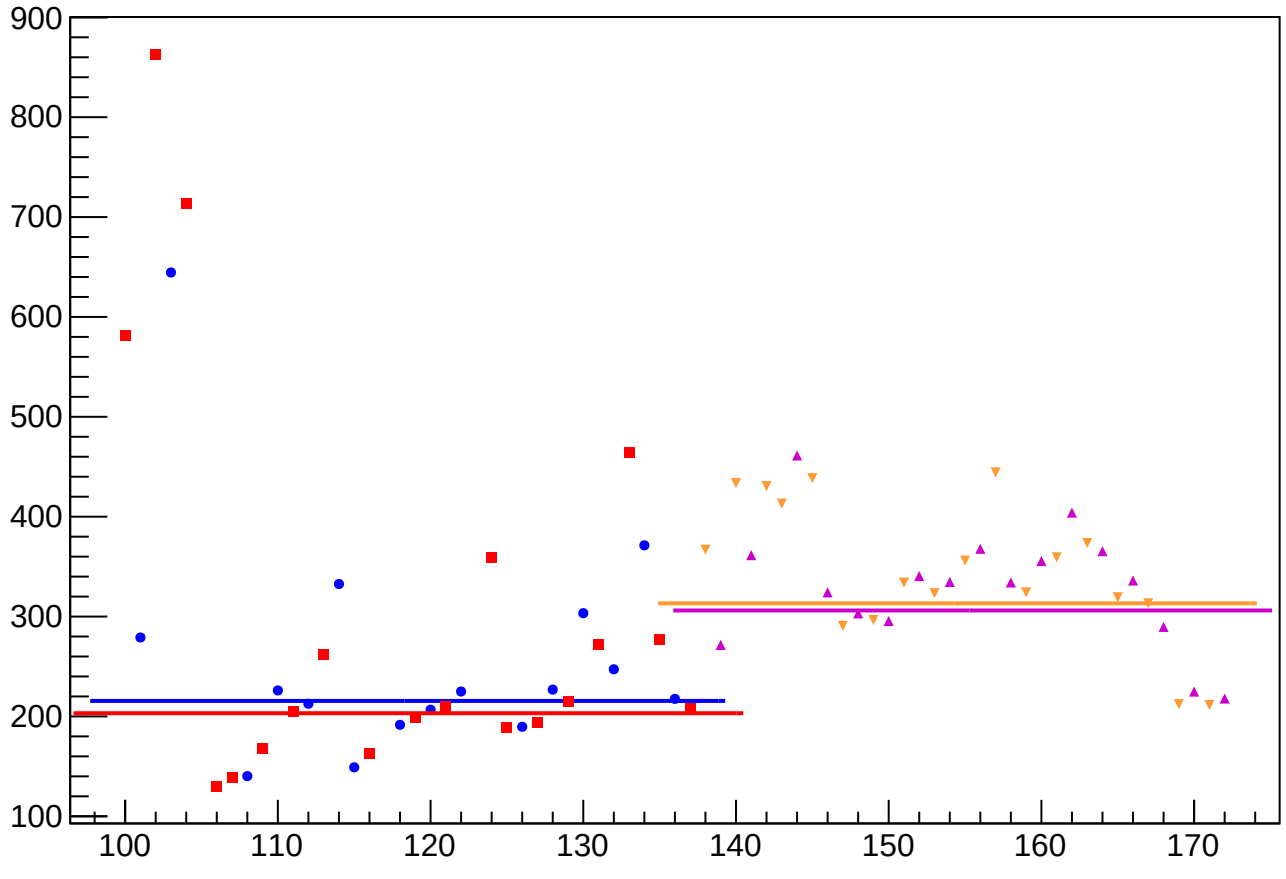
Out: 5016.981+/-0.787 χ^2/NDF:2080240.2/36

All: 5106.837+/-0.566 χ^2/NDF: 3695357.4/69


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:12.3/17
Right Out: 0.000+/-0.000 χ²/NDF: 25.1/18
Left In: -0.000+/-0.000 χ²/NDF:14.7/16
Left: -0.000+/-0.000 χ²/NDF: 29.6/34
Right: 0.000+/-0.000 χ²/NDF: 43.9/34
In: -0.000+/-0.000 χ²/NDF:33.2/32
Out: 0.000+/-0.000 χ²/NDF:38.2/36
All: -0.000+/-0.000 χ²/NDF: 74.5/69


asym_usr_atr2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1329229.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1361289.2/17
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: 2646432.5/34
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:3565582.7/36
All: 0.000+/-0.000 χ²/NDF: 6581017.1/69


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.027+/-0.086 χ²/NDF:20.4/17
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+/-0.060 χ²/NDF: 49.2/34
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.080+/-0.060 χ²/NDF:38.4/32
Out: 0.072+/-0.060 χ²/NDF:46.2/36
All: -0.004+/-0.042 χ²/NDF: 87.8/69



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 313.229+/-0.061 χ^2/NDF:1413864.7/17

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 306.086+/-0.060 χ^2/NDF:996278.4/16

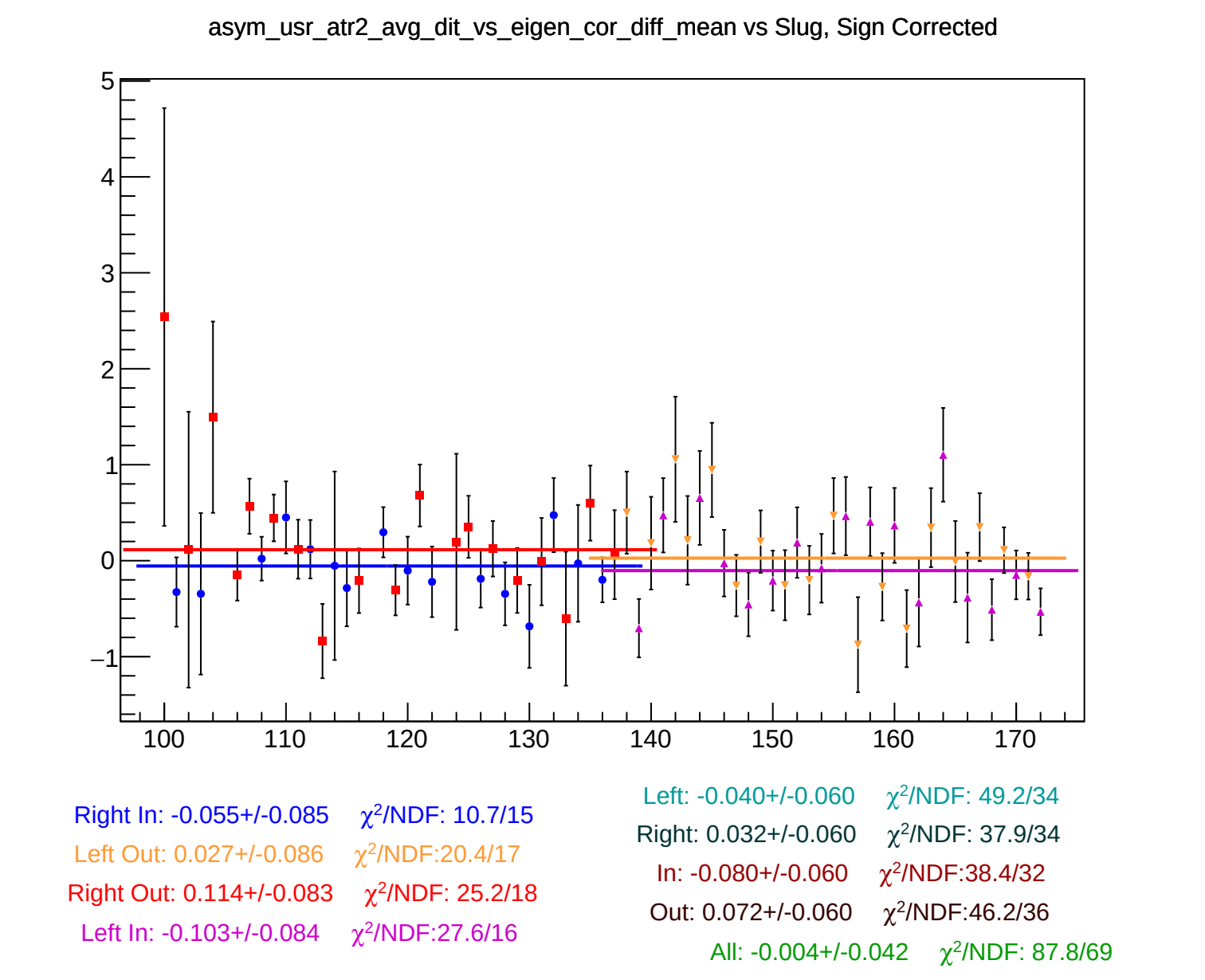
Left: 309.577+/-0.043 χ^2/NDF: 2417156.0/34

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

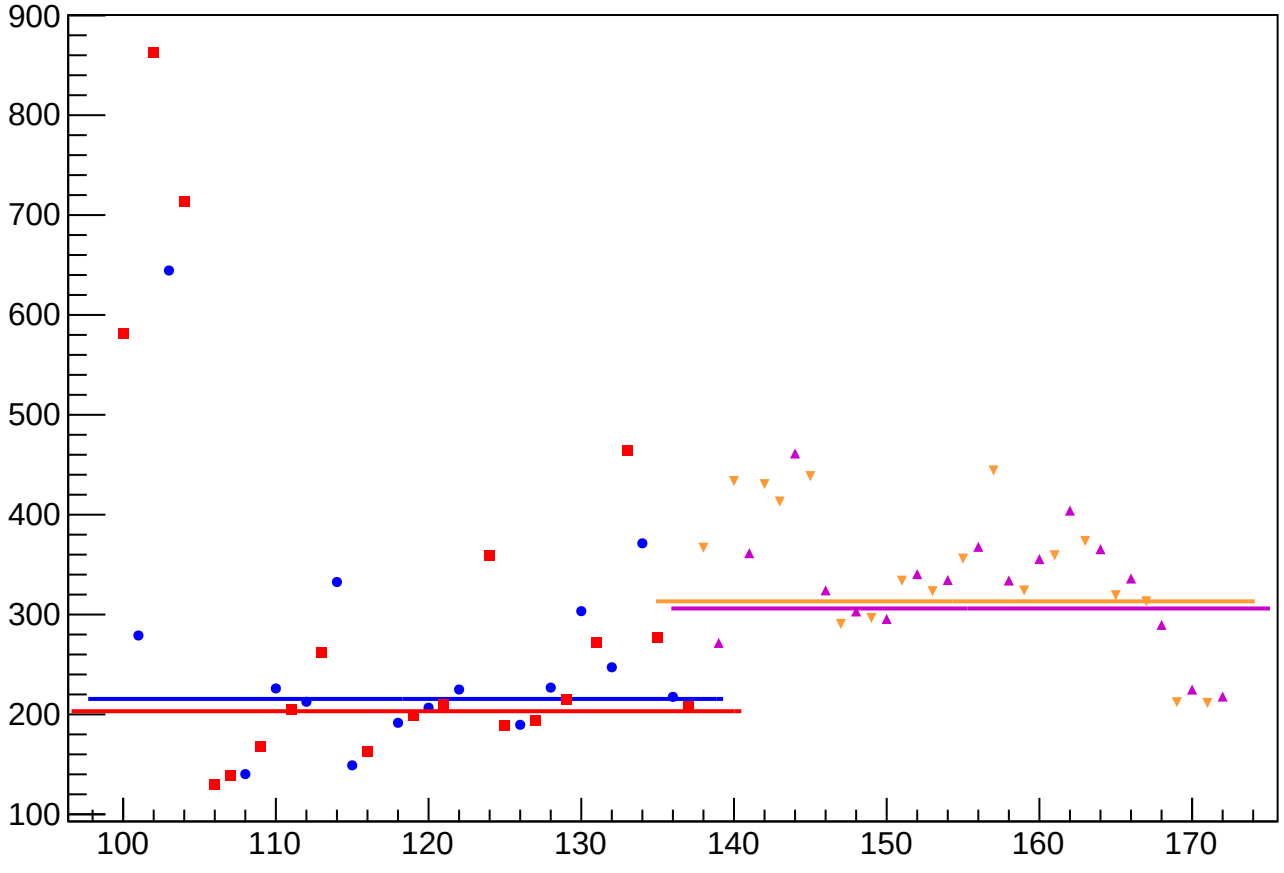
In: 261.407+/-0.042 χ^2/NDF:3282818.7/32

Out: 256.252+/-0.042 χ^2/NDF:4934944.6/36

All: 258.823+/-0.030 χ^2/NDF: 8225154.9/69


asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.027+/-0.086 χ²/NDF:20.4/17
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+/-0.060 χ²/NDF: 49.2/34
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.080+/-0.060 χ²/NDF:38.4/32
Out: 0.072+/-0.060 χ²/NDF:46.2/36
All: -0.004+/-0.042 χ²/NDF: 87.8/69

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: 313.229+/-0.061 χ^2/NDF:1413864.7/17

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 306.086+/-0.060 χ^2/NDF:996278.4/16

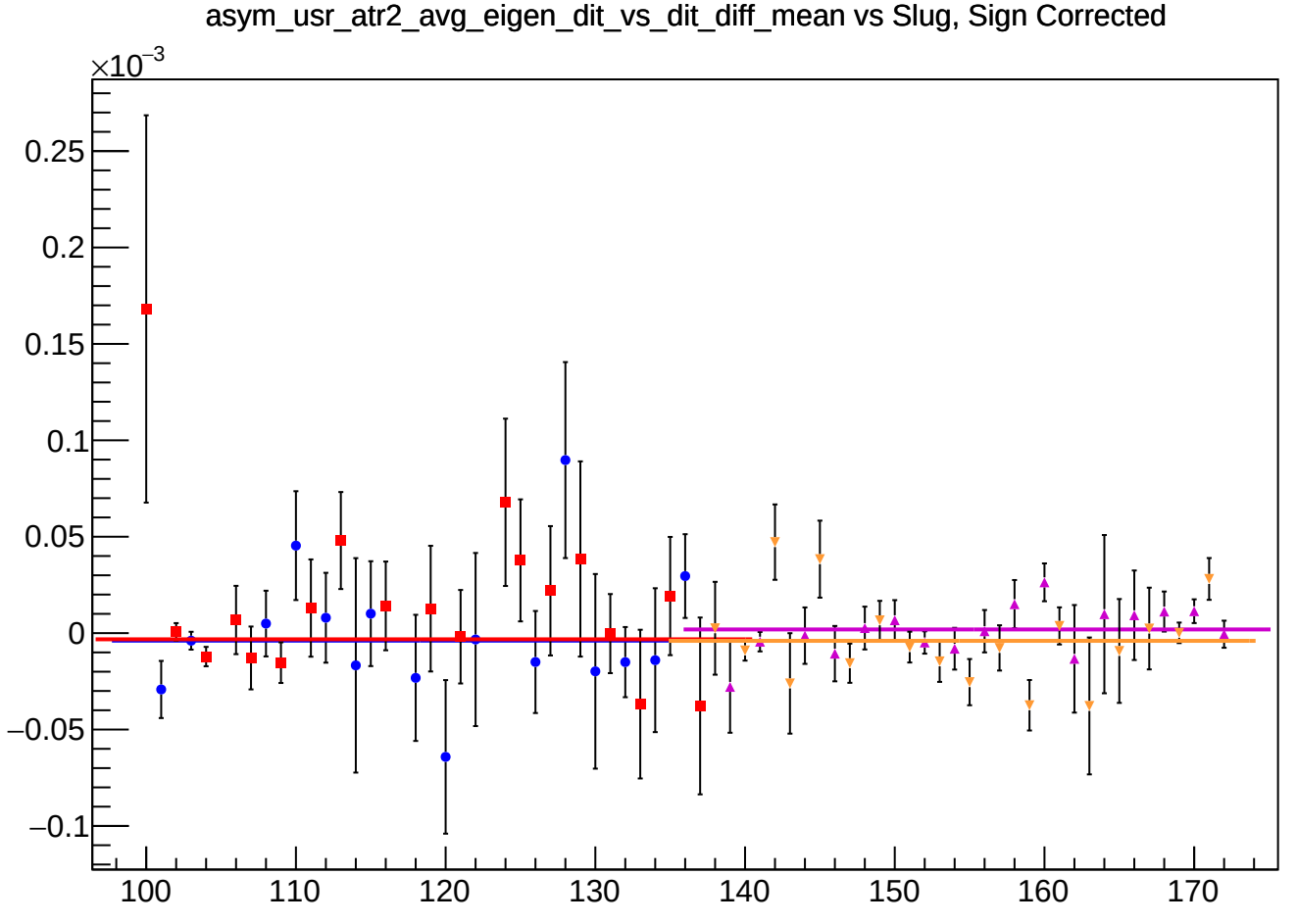
Left: 309.577+/-0.043 χ^2/NDF: 2417156.0/34

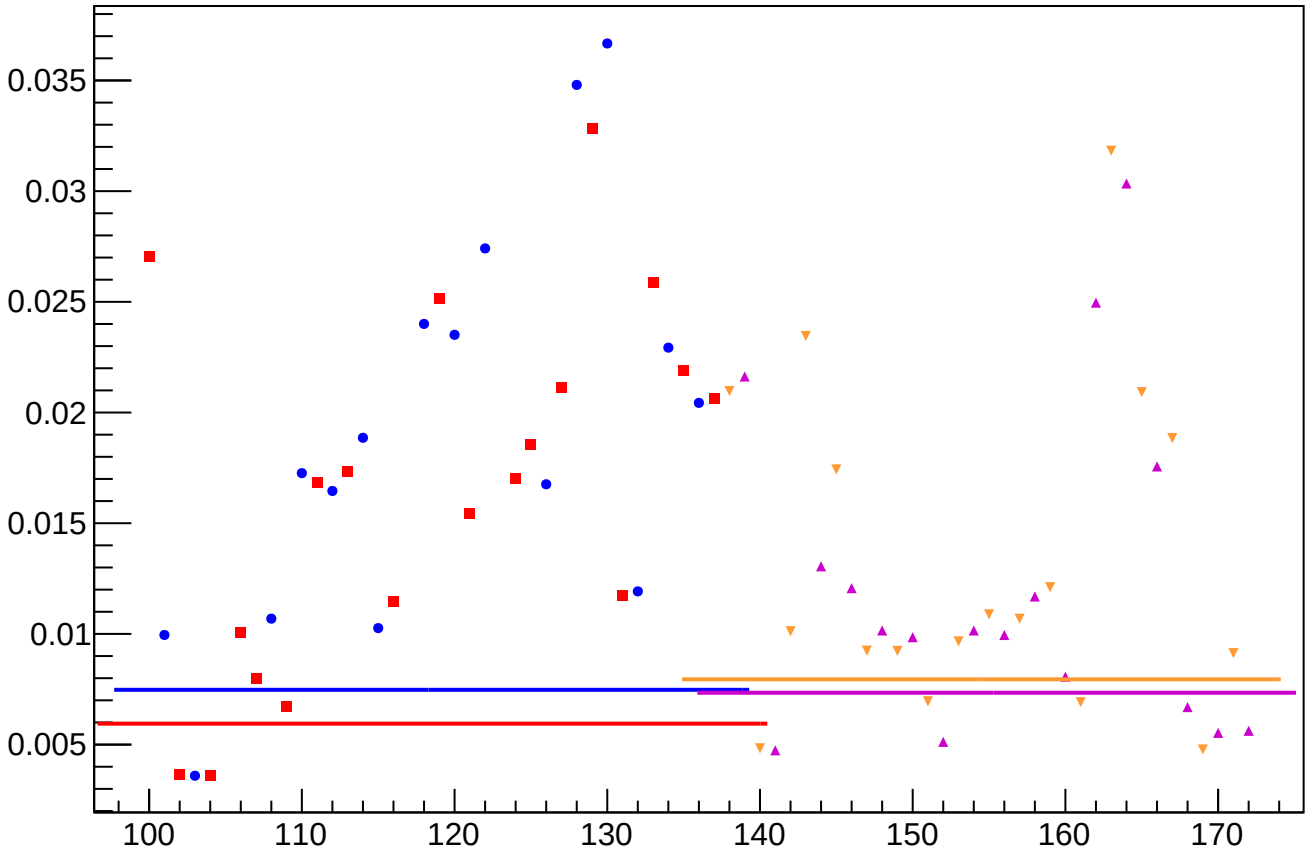
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 261.407+/-0.042 χ^2/NDF:3282818.7/32

Out: 256.252+/-0.042 χ^2/NDF:4934944.6/36

All: 258.823+/-0.030 χ^2/NDF: 8225154.9/69


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 16.0/15
Left Out: -0.000+/-0.000 χ²/NDF:37.5/17
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: 58.0/34
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:59.2/36
All: -0.000+/-0.000 χ²/NDF: 96.5/69



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:5700316.9/17

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.007+/-0.000 χ^2/NDF:4926999.0/16

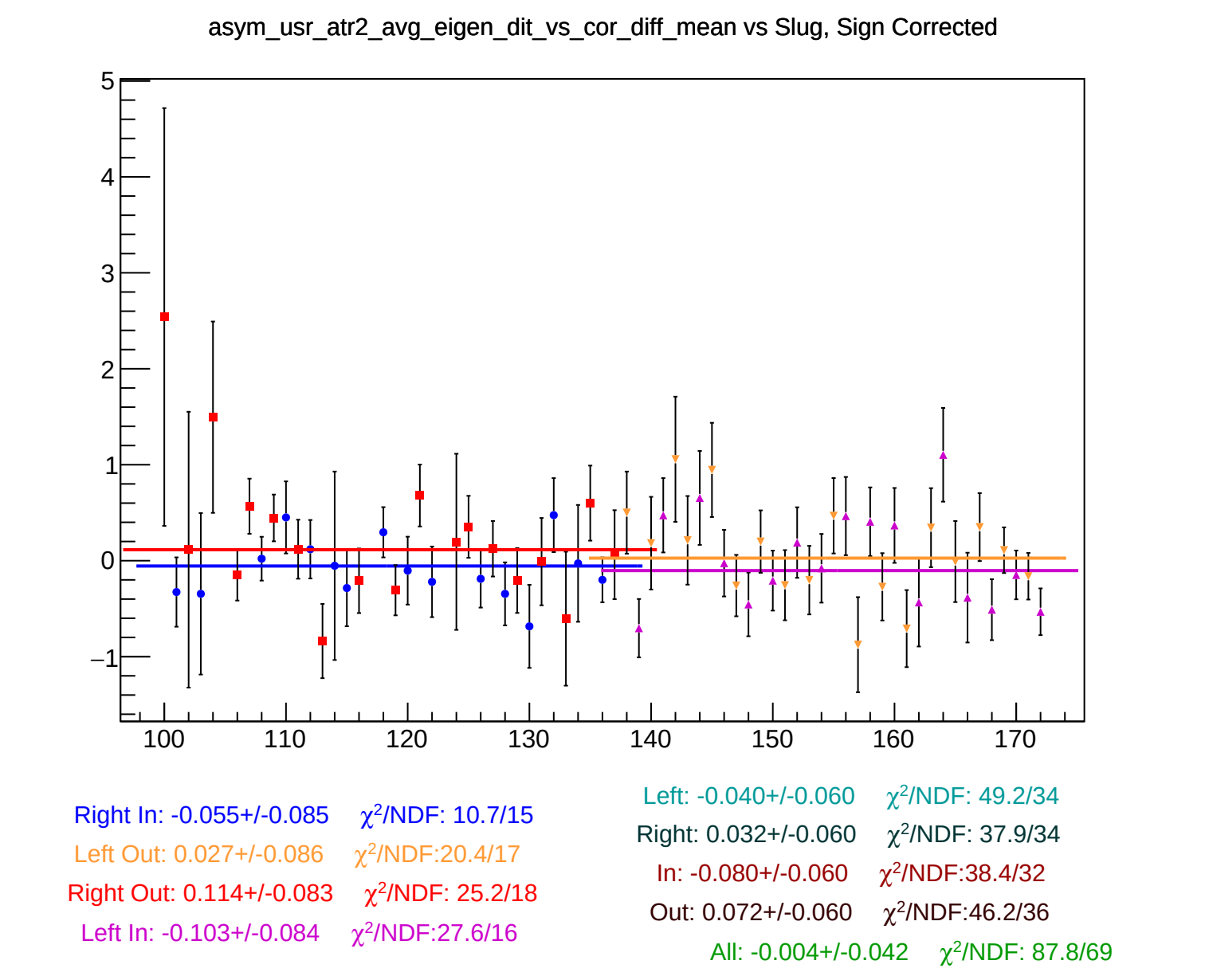
Left: 0.008+/-0.000 χ^2/NDF: 10693169.7/34

Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

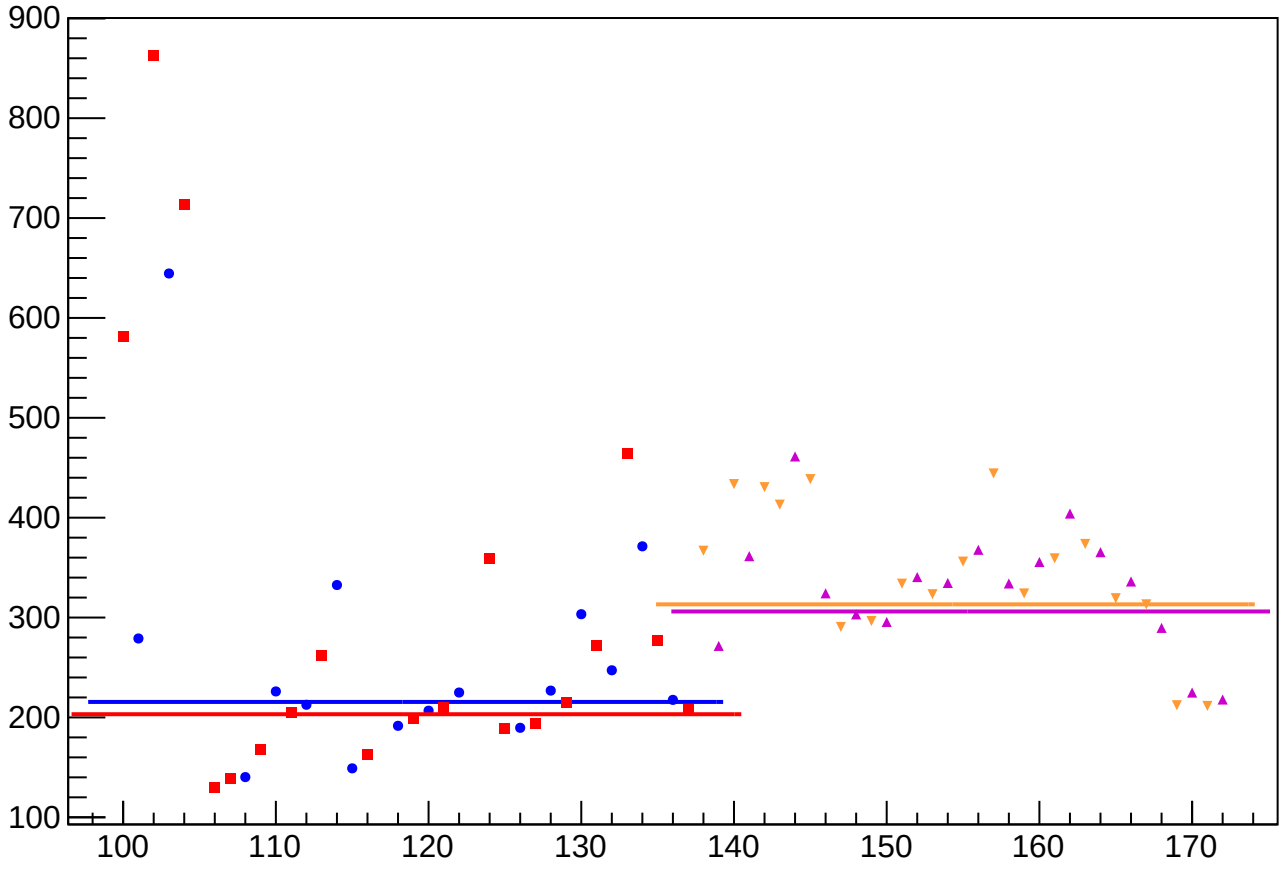
In: 0.007+/-0.000 χ^2/NDF:11005009.2/32

Out: 0.007+/-0.000 χ^2/NDF:12192712.8/36

All: 0.007+/-0.000 χ^2/NDF: 23216351.8/69


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: 0.027+/-0.086 χ²/NDF:20.4/17
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+/-0.060 χ²/NDF: 49.2/34
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.080+/-0.060 χ²/NDF:38.4/32
Out: 0.072+/-0.060 χ²/NDF:46.2/36
All: -0.004+/-0.042 χ²/NDF: 87.8/69

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 313.232+/-0.061 χ^2/NDF:1413954.8/17

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 306.090+/-0.060 χ^2/NDF:996318.2/16

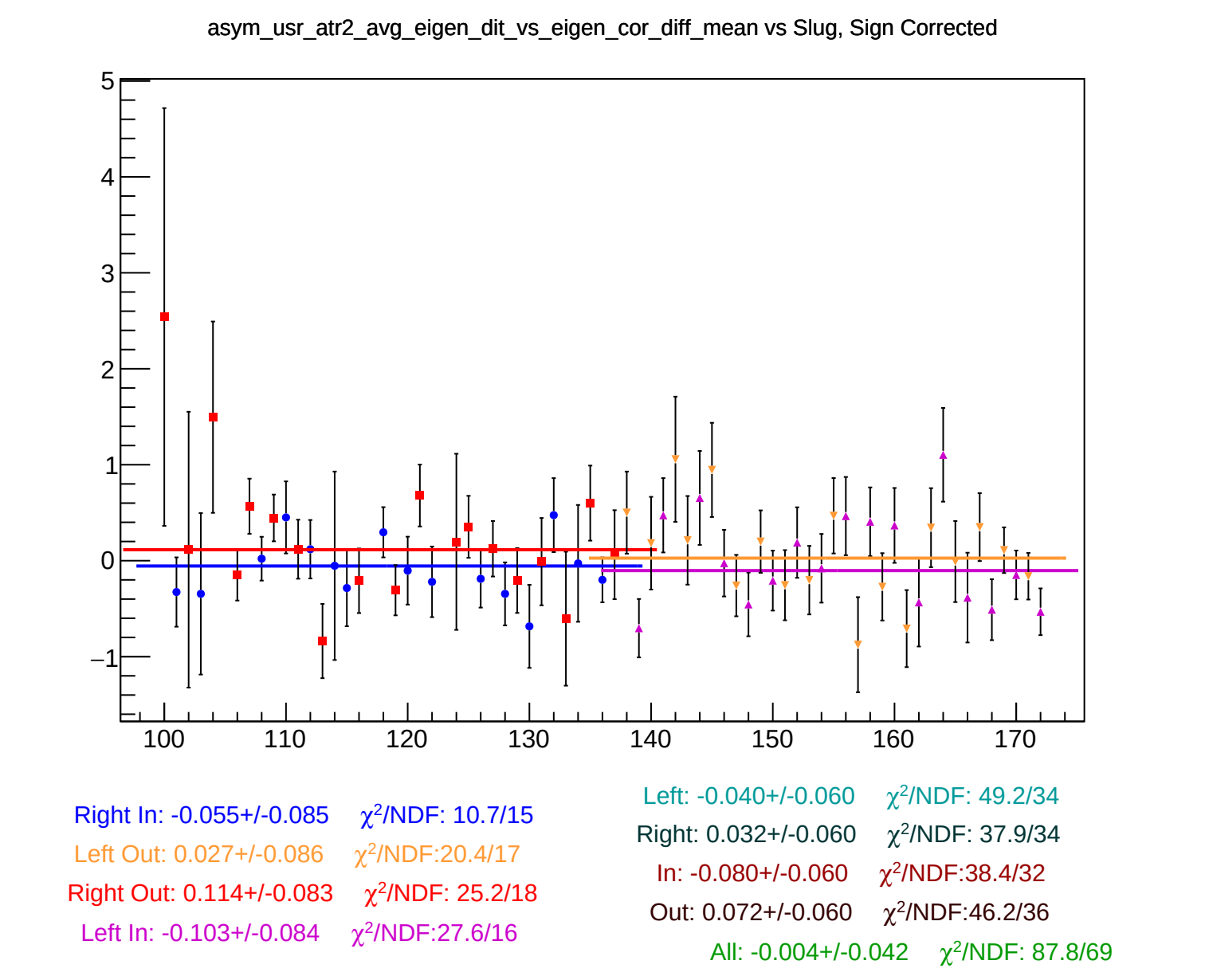
Left: 309.581+/-0.043 χ^2/NDF: 2417283.7/34

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

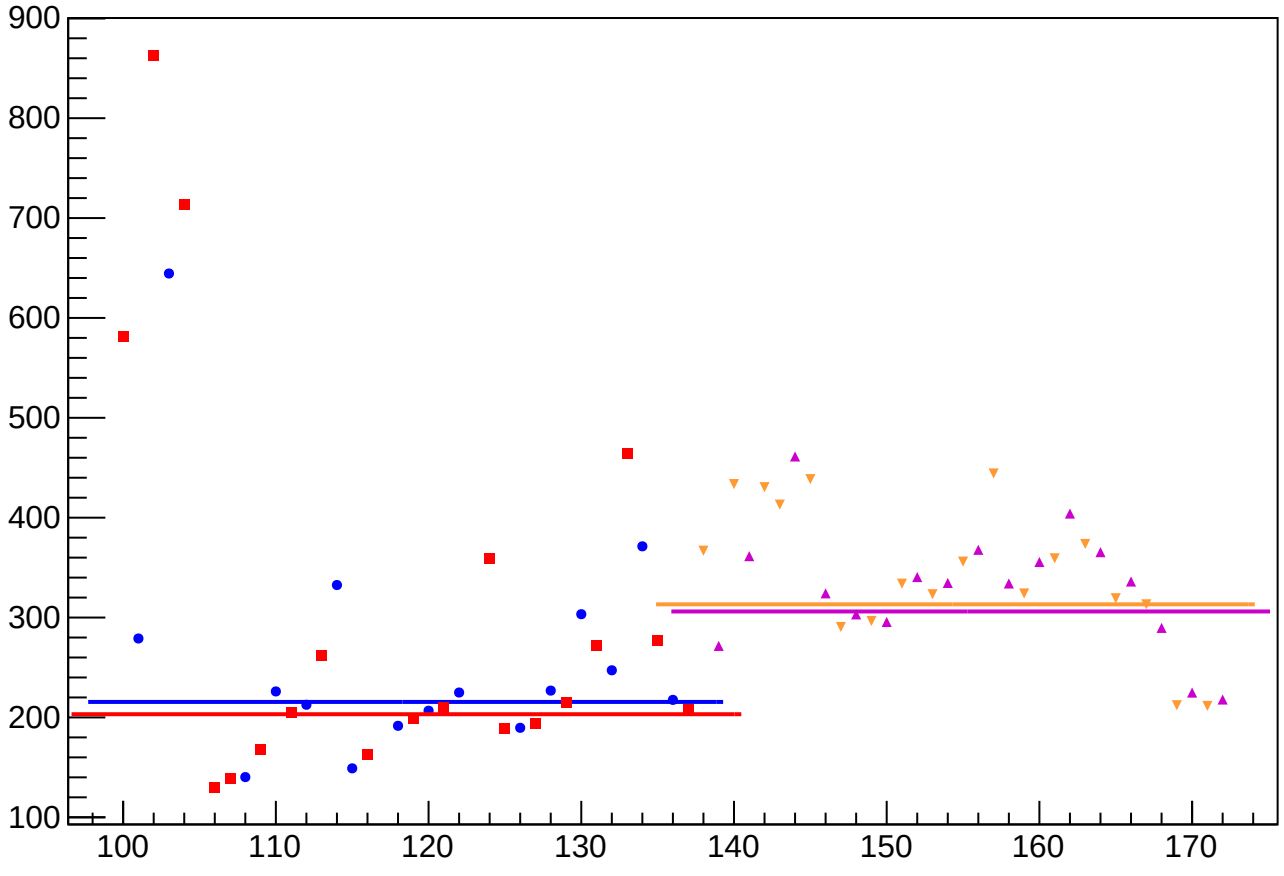
In: 261.407+/-0.042 χ^2/NDF:3282959.0/32

Out: 256.252+/-0.042 χ^2/NDF:4935152.0/36

All: 258.823+/-0.030 χ^2/NDF: 8225505.1/69


asym_usr_atr2_avg_eigen_dit_vs_eigen_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: 0.027+/-0.086 χ²/NDF:20.4/17
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+/-0.060 χ²/NDF: 49.2/34
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.080+/-0.060 χ²/NDF:38.4/32
Out: 0.072+/-0.060 χ²/NDF:46.2/36
All: -0.004+/-0.042 χ²/NDF: 87.8/69

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: 313.232+/-0.061 χ^2/NDF:1413954.8/17

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 306.090+/-0.060 χ^2/NDF:996318.2/16

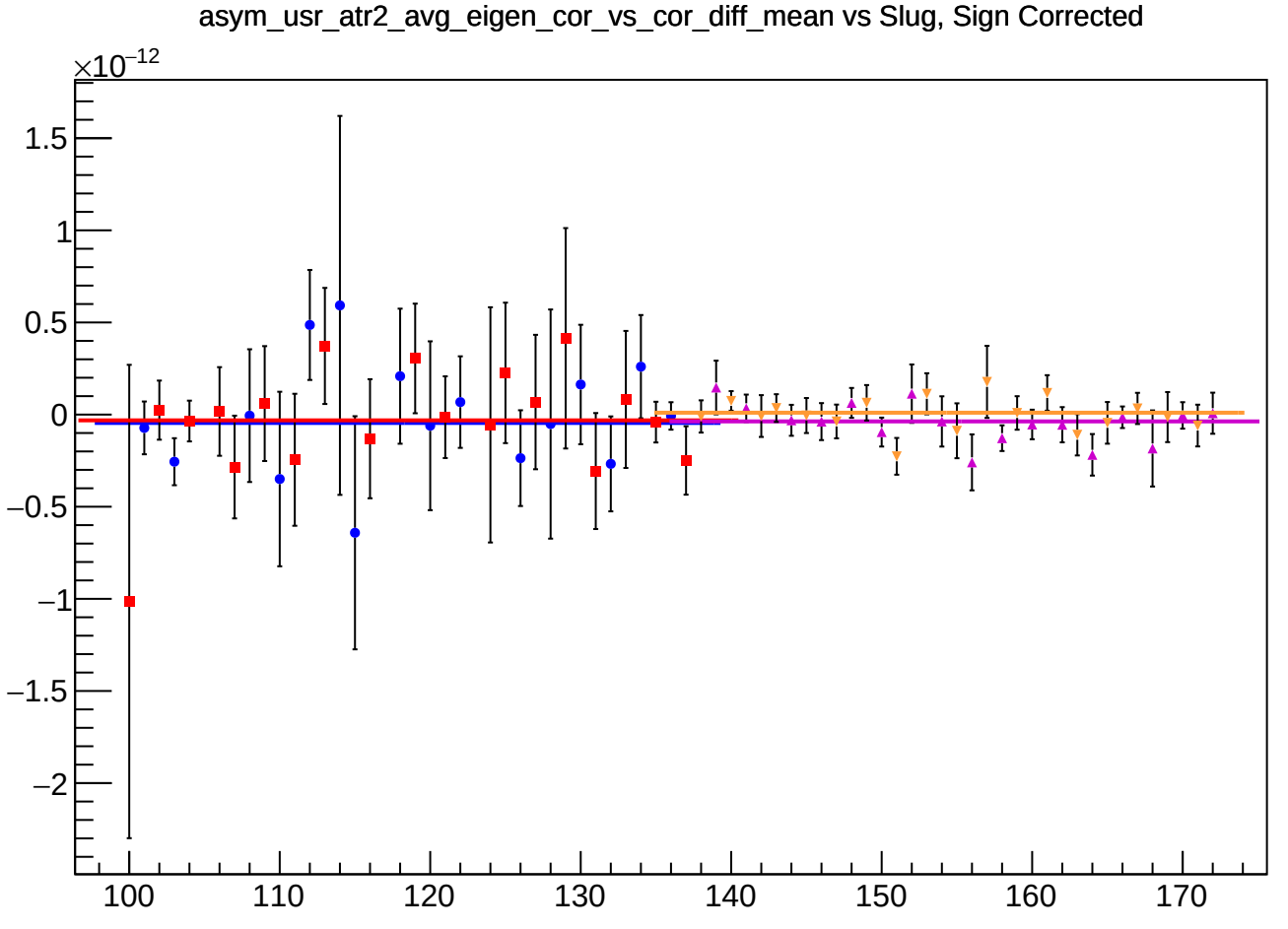
Left: 309.581+/-0.043 χ^2/NDF: 2417283.7/34

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 261.407+/-0.042 χ^2/NDF:3282959.0/32

Out: 256.252+/-0.042 χ^2/NDF:4935152.0/36

All: 258.823+/-0.030 χ^2/NDF: 8225505.1/69



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.0/17

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:13.0/16

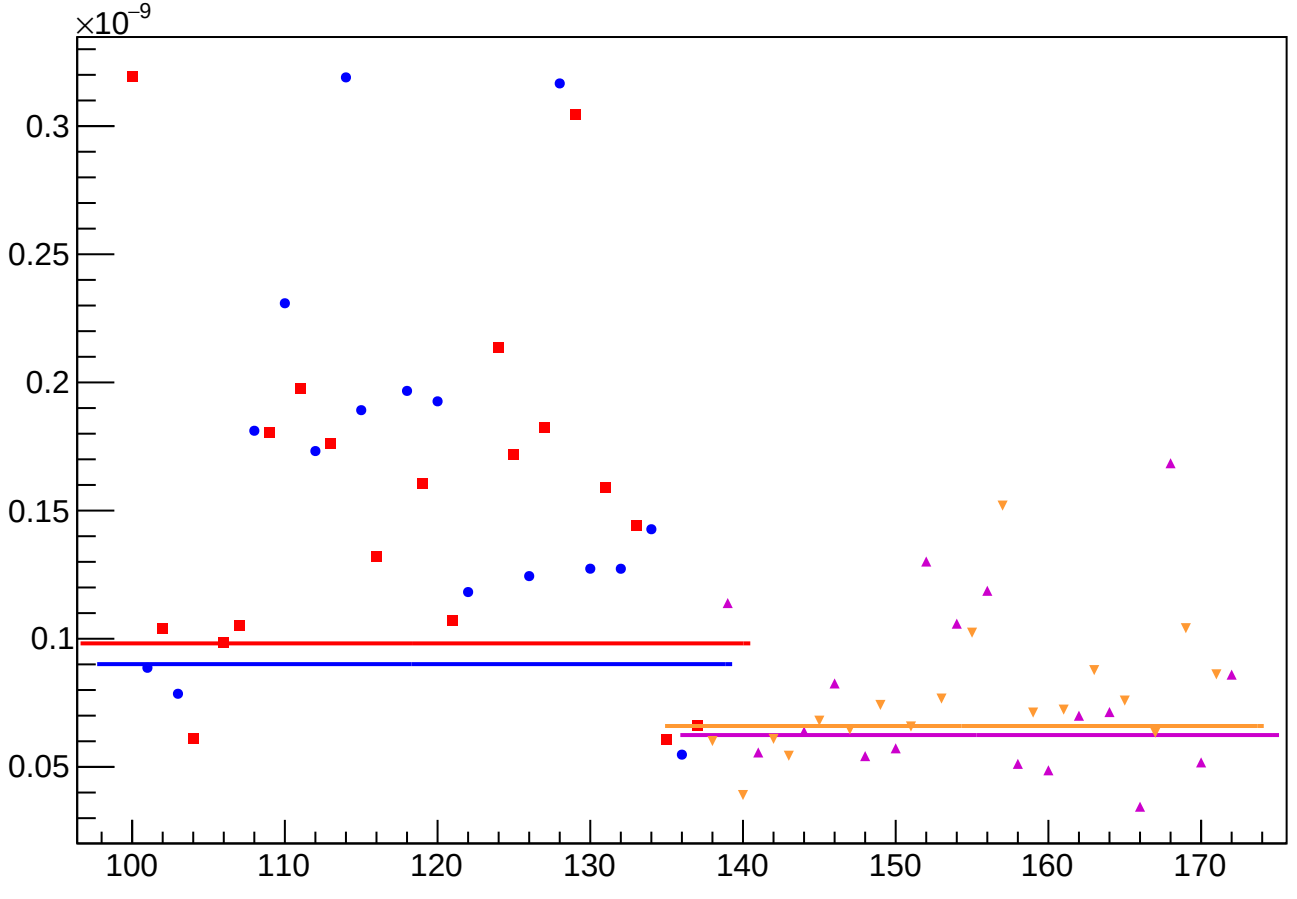
Left: -0.000+/-0.000 χ^2/NDF: 28.3/34

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:21.9/36

All: -0.000+/-0.000 χ^2/NDF: 48.5/69



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1445724.3/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2472946.9/16

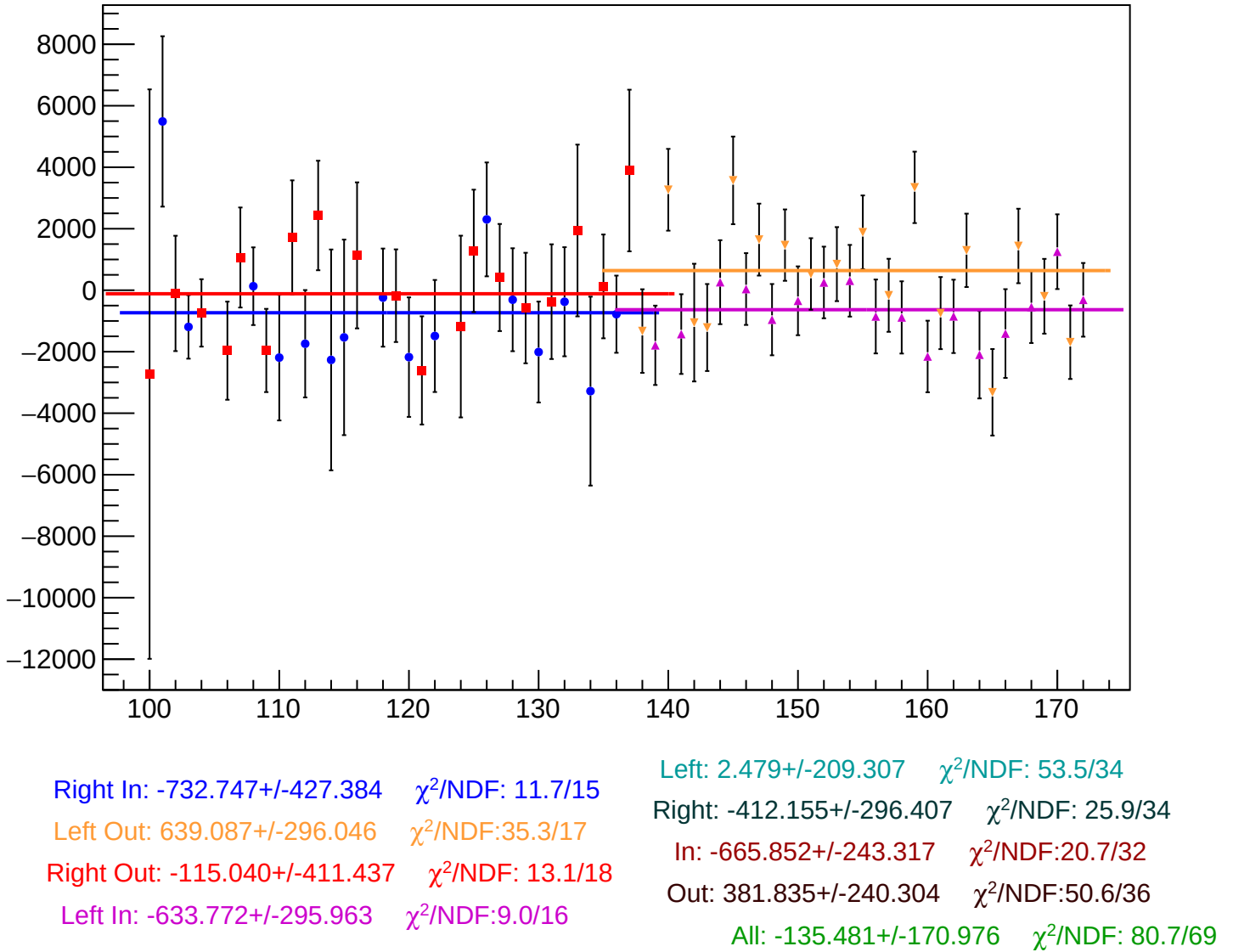
Left: 0.000+/-0.000 χ^2/NDF: 3943946.7/34

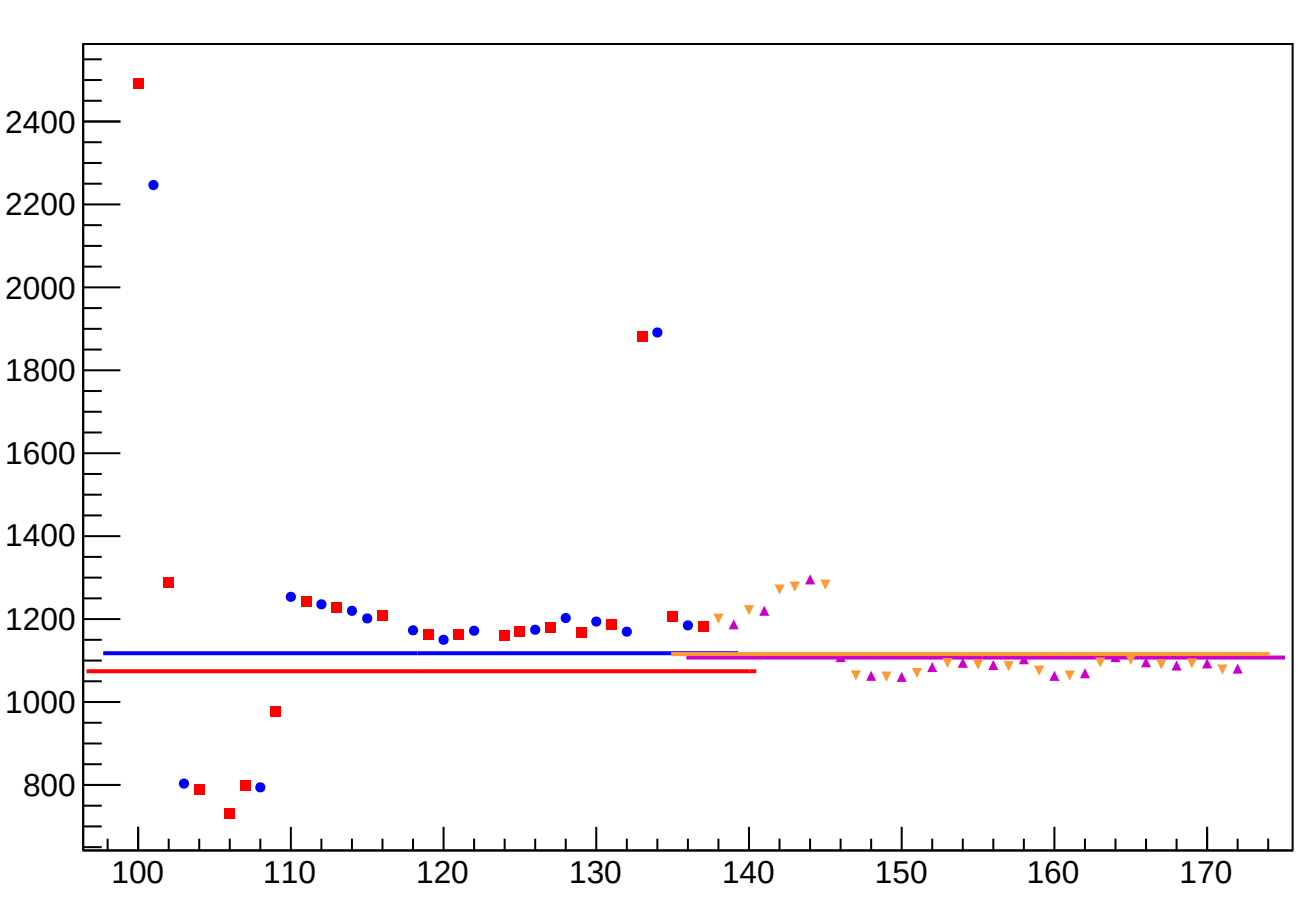
Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:4794433.6/32

Out: 0.000+/-0.000 χ^2/NDF:3786618.7/36

All: 0.000+/-0.000 χ^2/NDF: 8620944.2/69


reg_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
Right In: -732.747+/-427.384 χ²/NDF: 11.7/15
Left Out: 639.087+/-296.046 χ²/NDF:35.3/17
Right Out: -115.040+/-411.437 χ²/NDF: 13.1/18
Left In: -633.772+/-295.963 χ²/NDF:9.0/16
Left: 2.479+/-209.307 χ²/NDF: 53.5/34
Right: -412.155+/-296.407 χ²/NDF: 25.9/34
In: -665.852+/-243.317 χ²/NDF:20.7/32
Out: 381.835+/-240.304 χ²/NDF:50.6/36
All: -135.481+/-170.976 χ²/NDF: 80.7/69



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1115.622+/-0.209 χ^2/NDF:112350.2/17

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1107.242+/-0.209 χ^2/NDF:75578.4/16

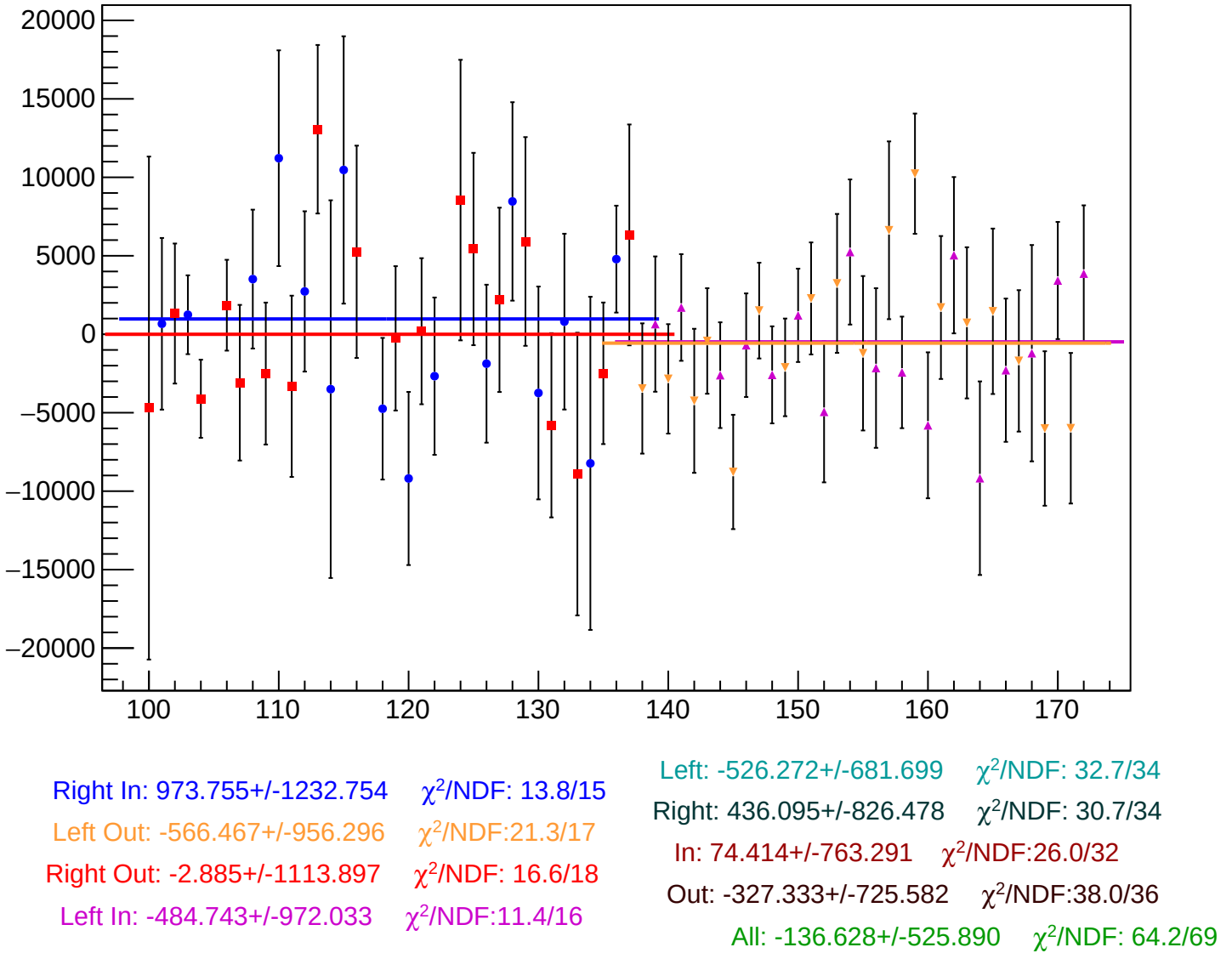
Left: 1111.431+/-0.148 χ^2/NDF: 188730.1/34

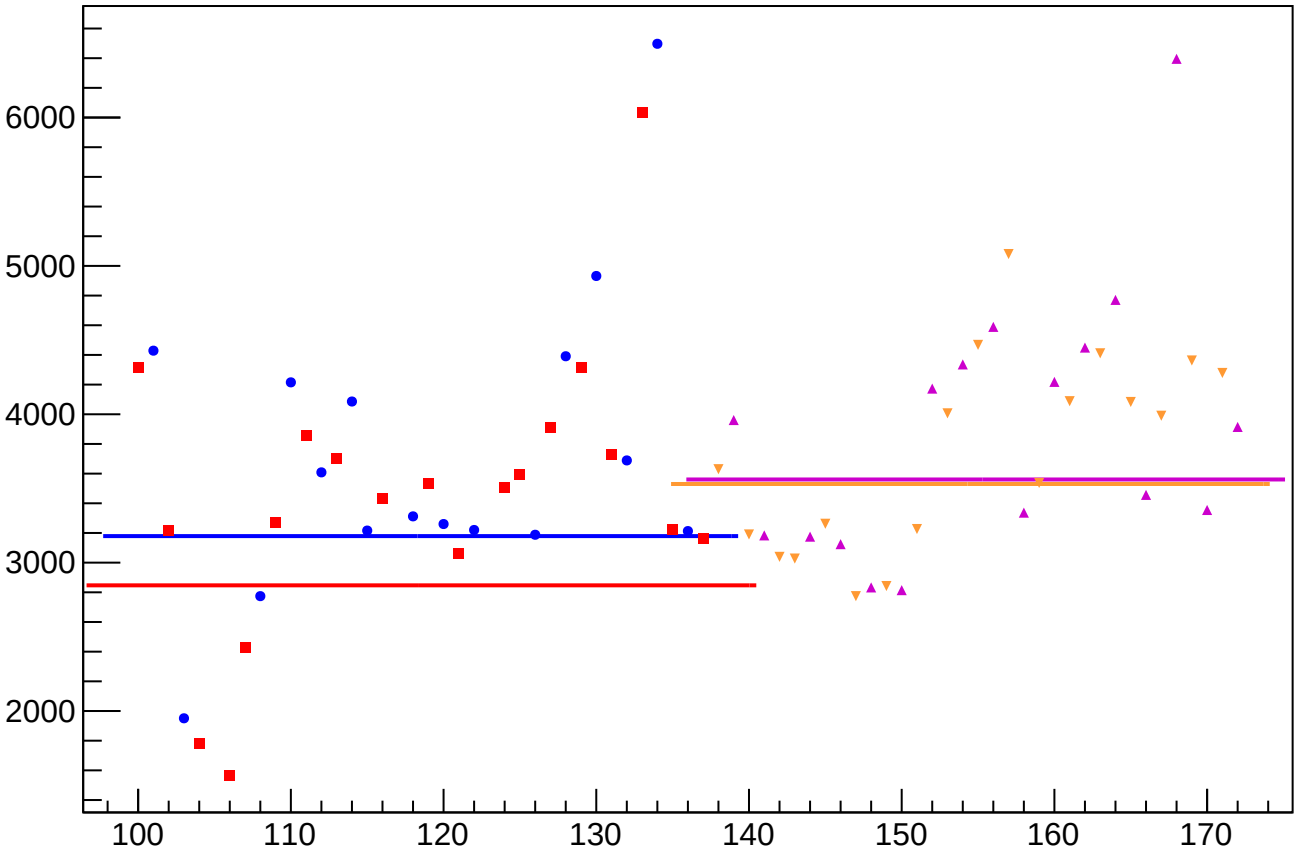
Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1110.626+/-0.172 χ^2/NDF:896220.4/32

Out: 1101.319+/-0.169 χ^2/NDF:775395.5/36

All: 1105.901+/-0.121 χ^2/NDF: 1673101.6/69


asym_usr_atr2_dd_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 973.755+/-1232.754 χ²/NDF: 13.8/15
Left Out: -566.467+/-956.296 χ²/NDF:21.3/17
Right Out: -2.885+/-1113.897 χ²/NDF: 16.6/18
Left In: -484.743+/-972.033 χ²/NDF:11.4/16
Left: -526.272+/-681.699 χ²/NDF: 32.7/34
Right: 436.095+/-826.478 χ²/NDF: 30.7/34
In: 74.414+/-763.291 χ²/NDF:26.0/32
Out: -327.333+/-725.582 χ²/NDF:38.0/36
All: -136.628+/-525.890 χ²/NDF: 64.2/69



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3530.035+/-0.676 χ^2/NDF:824477.5/17

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 3560.523+/-0.687 χ^2/NDF:1061866.2/16

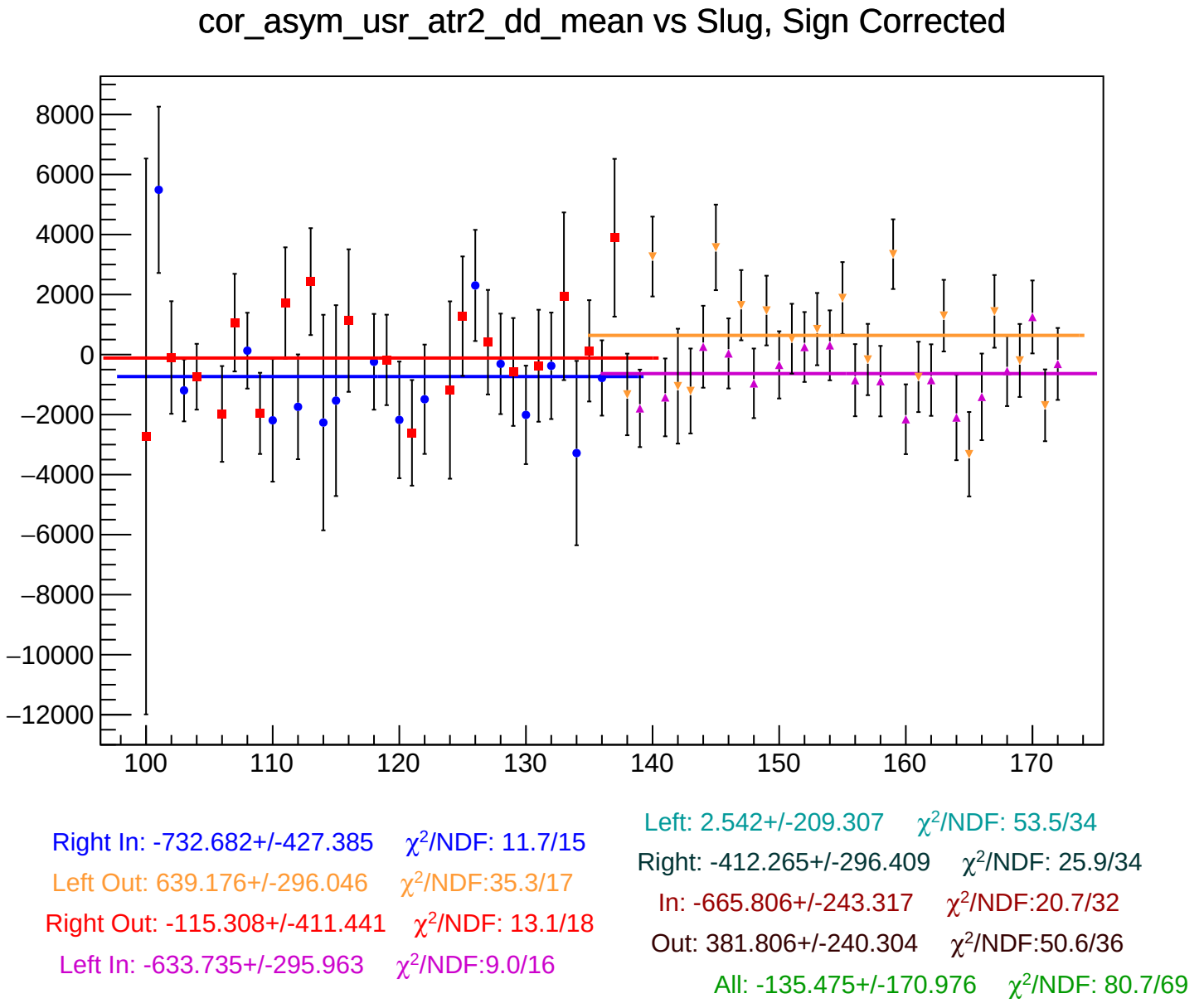
Left: 3545.030+/-0.482 χ^2/NDF: 1887343.6/34

Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

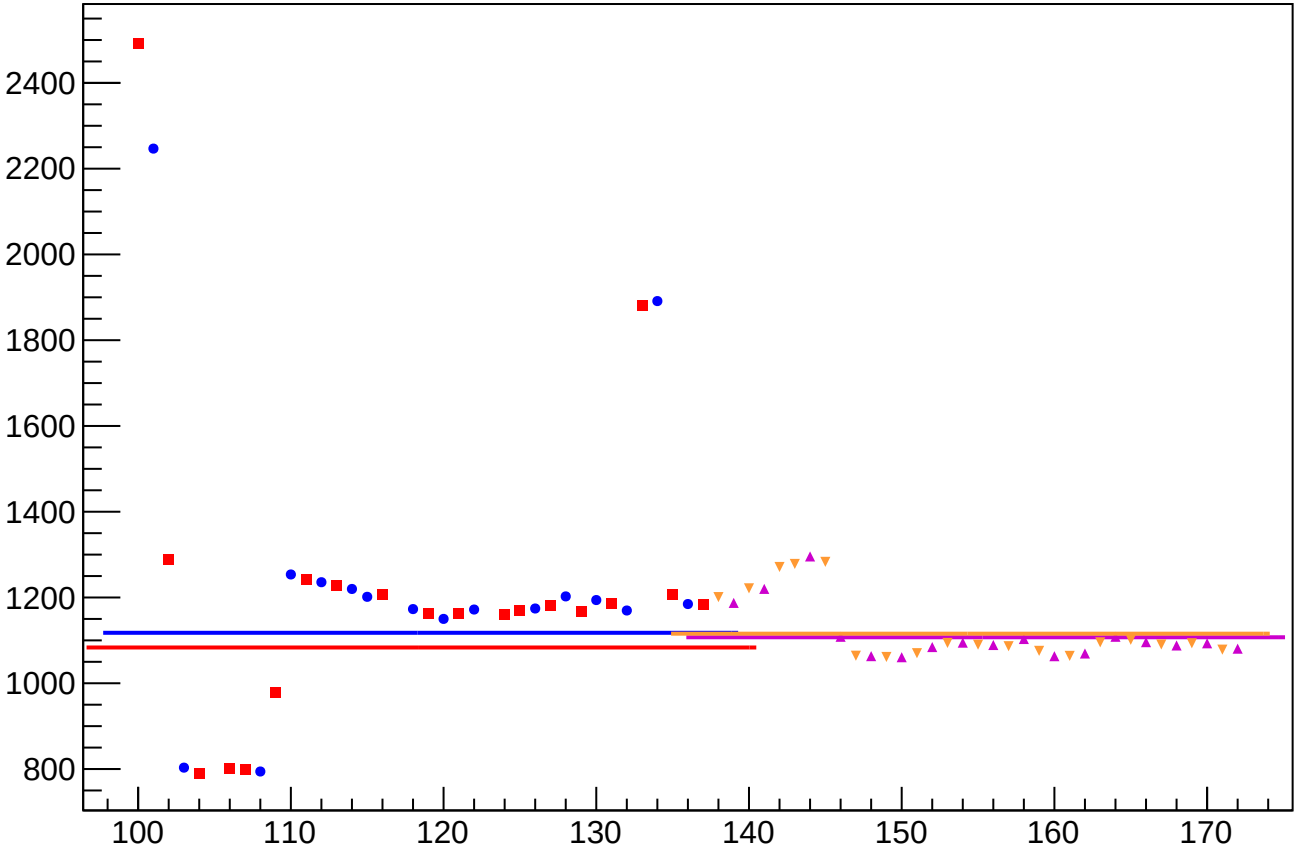
In: 3414.205+/-0.540 χ^2/NDF:2271747.5/32

Out: 3240.223+/-0.513 χ^2/NDF:2768545.4/36

All: 3322.811+/-0.372 χ^2/NDF: 5094878.3/69


cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
Right In: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: 639.176+/-296.046 χ²/NDF:35.3/17
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: -633.735+/-295.963 χ²/NDF:9.0/16
Left: 2.542+/-209.307 χ²/NDF: 53.5/34
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -665.806+/-243.317 χ²/NDF:20.7/32
Out: 381.806+/-240.304 χ²/NDF:50.6/36
All: -135.475+/-170.976 χ²/NDF: 80.7/69

cor_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1115.622+/-0.209 χ^2/NDF:112350.2/17

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1107.242+/-0.209 χ^2/NDF:75578.4/16

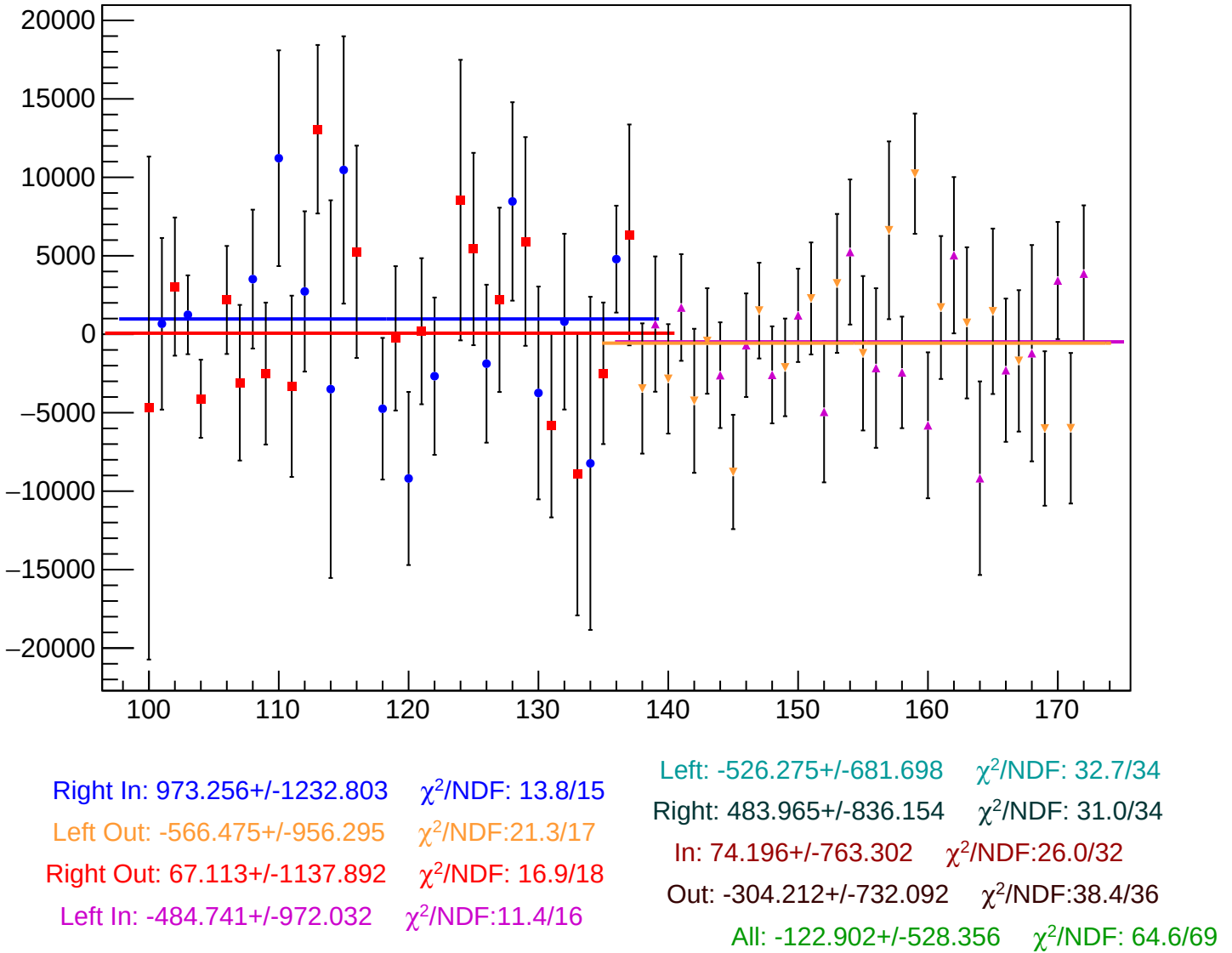
Left: 1111.431+/-0.148 χ^2/NDF: 188730.1/34

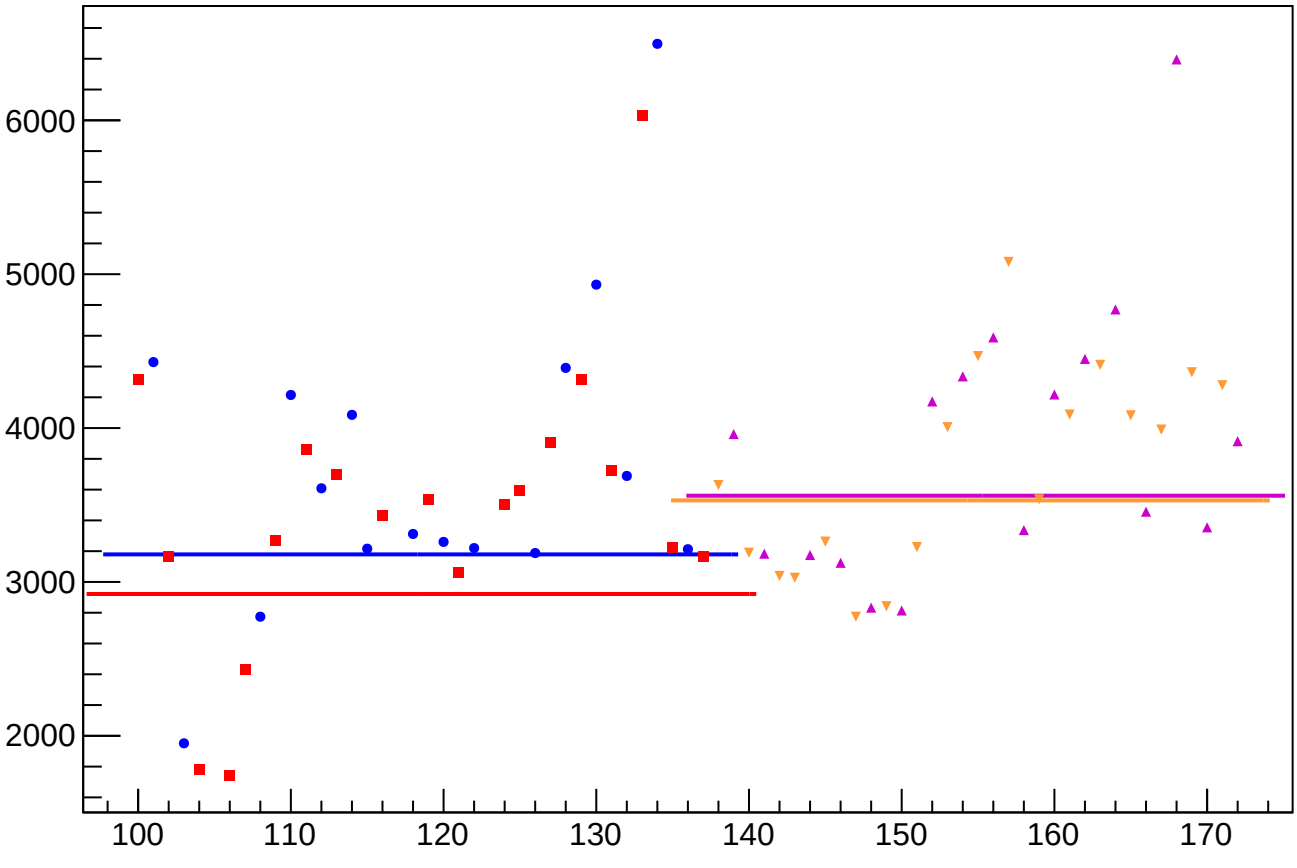
Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

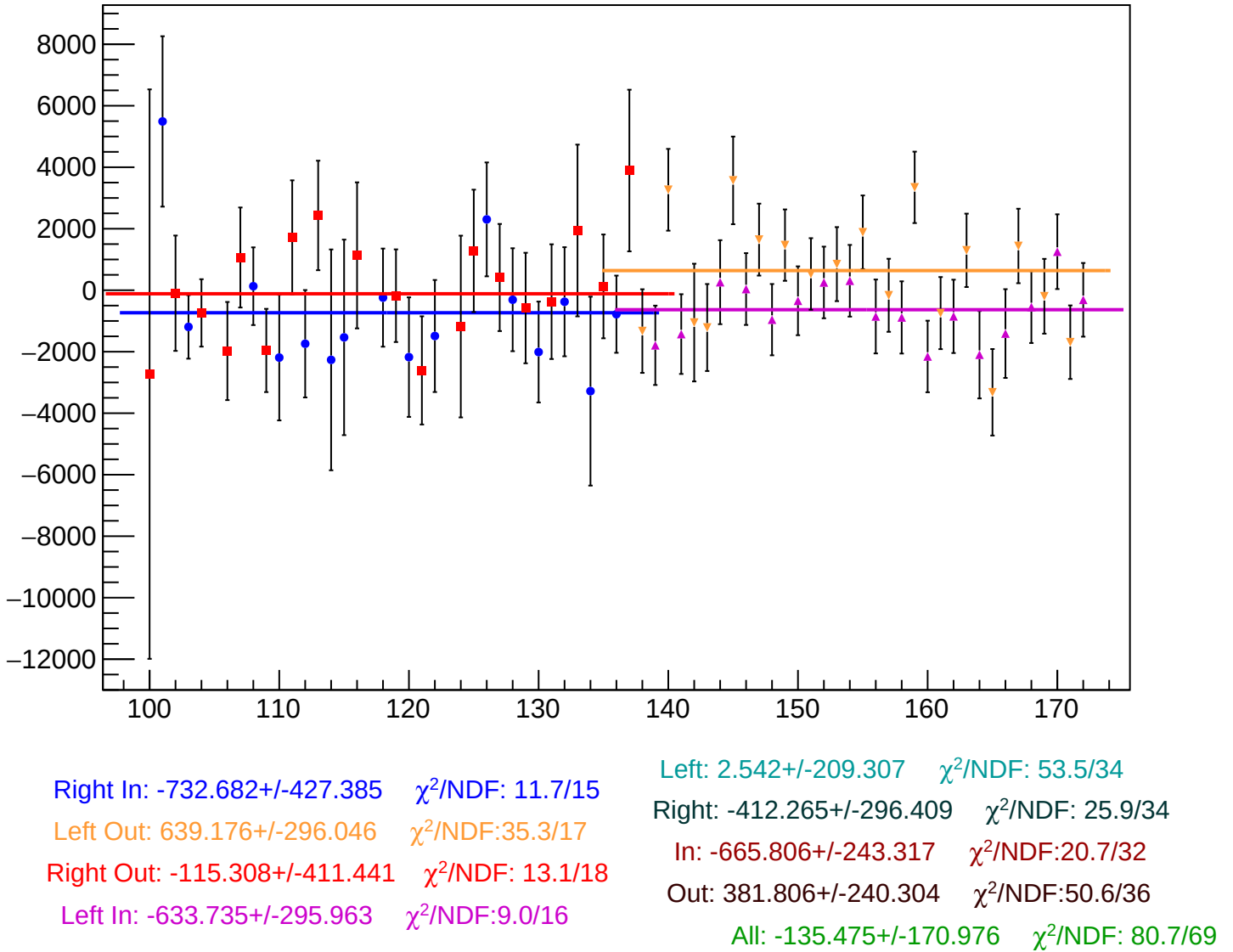
In: 1110.626+/-0.172 χ^2/NDF:896217.1/32

Out: 1104.610+/-0.170 χ^2/NDF:715458.7/36

All: 1107.578+/-0.121 χ^2/NDF: 1612295.4/69


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: -566.475+/-956.295 χ²/NDF:21.3/17
Right Out: 67.113+/-1137.892 χ²/NDF: 16.9/18
Left In: -484.741+/-972.032 χ²/NDF:11.4/16
Left: -526.275+/-681.698 χ²/NDF: 32.7/34
Right: 483.965+/-836.154 χ²/NDF: 31.0/34
In: 74.196+/-763.302 χ²/NDF:26.0/32
Out: -304.212+/-732.092 χ²/NDF:38.4/36
All: -122.902+/-528.356 χ²/NDF: 64.6/69


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: 3530.031+/-0.676 χ²/NDF:824480.0/17
Right Out: 2921.641+/-0.805 χ²/NDF: 1312890.1/18
Left In: 3560.520+/-0.687 χ²/NDF:1061869.9/16
Left: 3545.027+/-0.482 χ²/NDF: 1887349.9/34
Right: 3040.058+/-0.591 χ²/NDF: 2451210.8/34
In: 3414.282+/-0.540 χ²/NDF:2271189.3/32
Out: 3278.199+/-0.518 χ²/NDF:2472443.5/36
All: 3343.401+/-0.374 χ²/NDF: 4776743.5/69


eigen_cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
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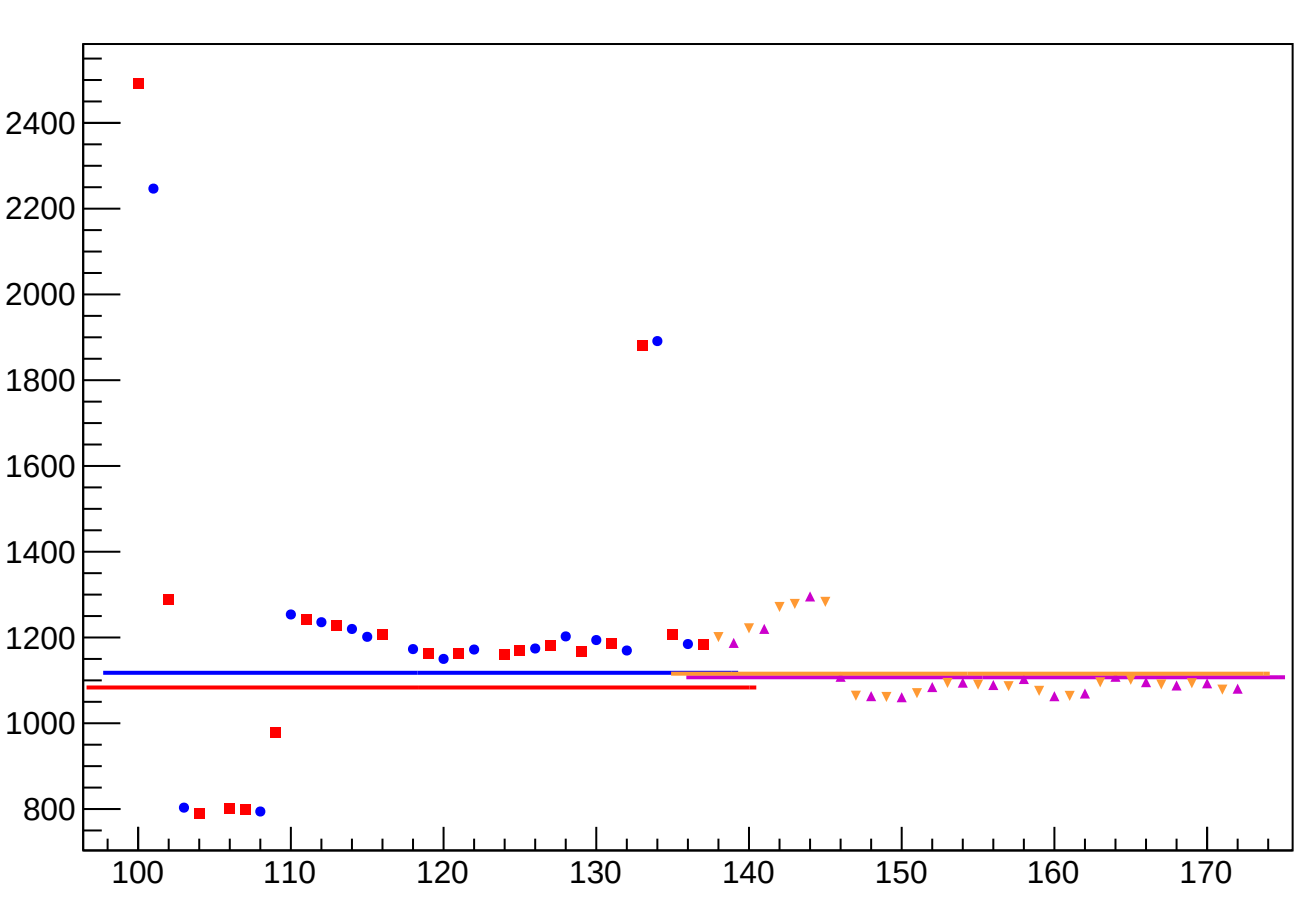
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
Right In: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: 639.176+/-296.046 χ²/NDF:35.3/17
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: -633.735+/-295.963 χ²/NDF:9.0/16
Left: 2.542+/-209.307 χ²/NDF: 53.5/34
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -665.806+/-243.317 χ²/NDF:20.7/32
Out: 381.806+/-240.304 χ²/NDF:50.6/36
All: -135.475+/-170.976 χ²/NDF: 80.7/69



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1115.622+/-0.209 χ^2/NDF:112350.2/17

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: 1111.431+/-0.148 χ^2/NDF: 188730.1/34

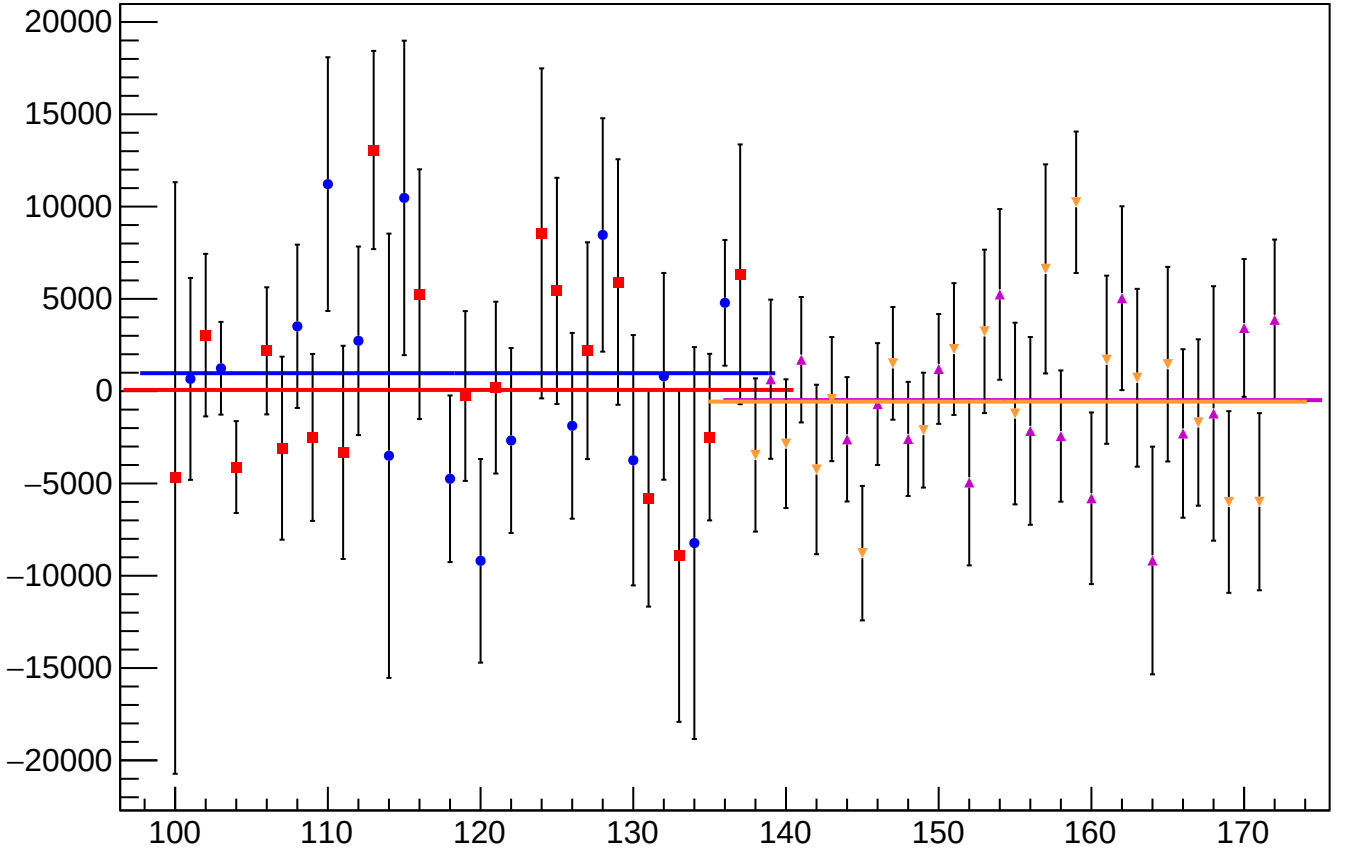
Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1110.626+/-0.172 χ^2/NDF:896217.1/32

Out: 1104.610+/-0.170 χ^2/NDF:715458.7/36

All: 1107.578+/-0.121 χ^2/NDF: 1612295.4/69

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: -566.475+/-956.295 χ^2/NDF:21.3/17

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -484.741+/-972.032 χ^2/NDF:11.4/16

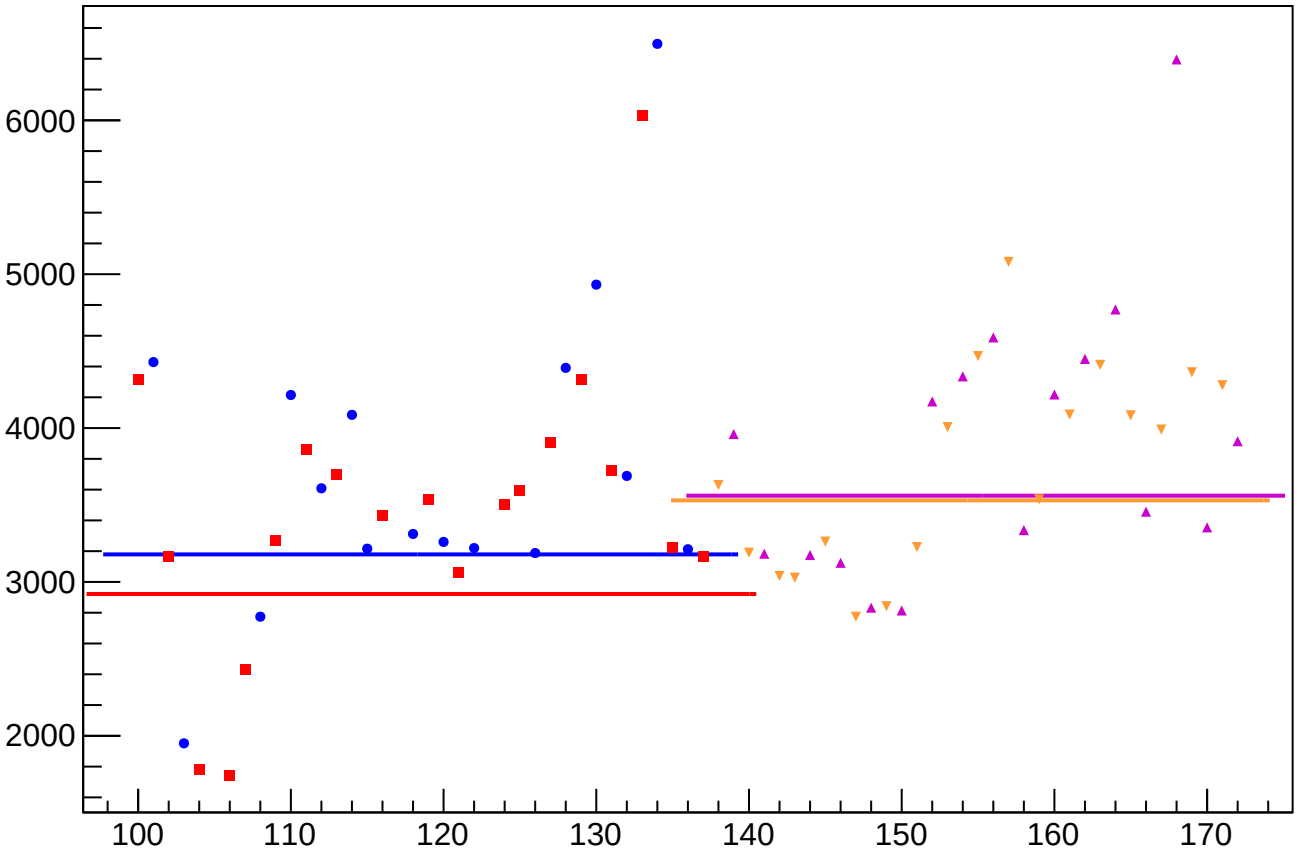
Left: -526.275+/-681.698 χ^2/NDF: 32.7/34

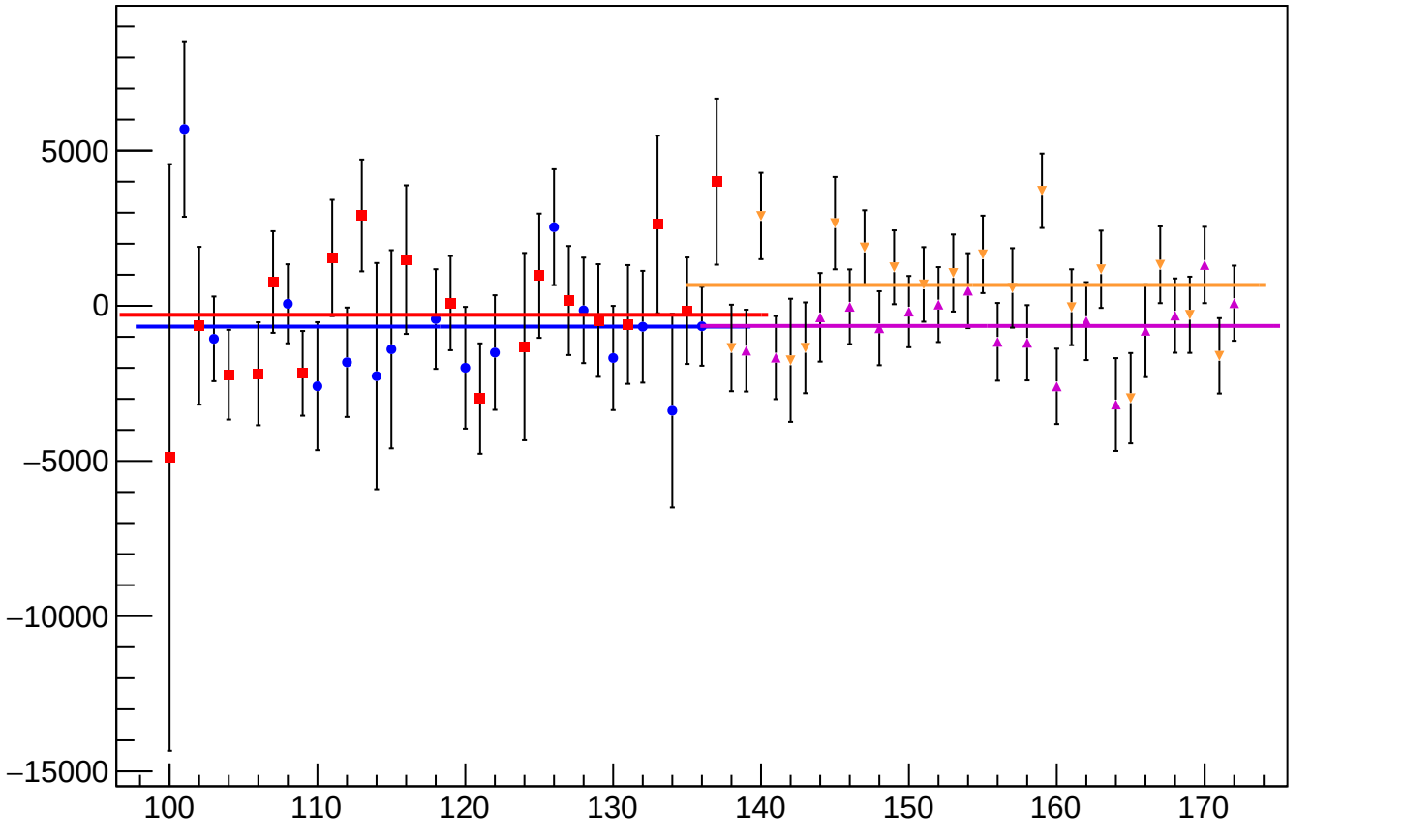
Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 74.196+/-763.302 χ^2/NDF:26.0/32

Out: -304.212+/-732.092 χ^2/NDF:38.4/36

All: -122.902+/-528.356 χ^2/NDF: 64.6/69


asym_usr_atr2_dd_eigen_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: 3530.031+/-0.676 χ²/NDF:824480.0/17
Right Out: 2921.641+/-0.805 χ²/NDF: 1312890.1/18
Left In: 3560.520+/-0.687 χ²/NDF:1061869.9/16
Left: 3545.027+/-0.482 χ²/NDF: 1887349.9/34
Right: 3040.058+/-0.591 χ²/NDF: 2451210.8/34
In: 3414.282+/-0.540 χ²/NDF:2271189.3/32
Out: 3278.199+/-0.518 χ²/NDF:2472443.5/36
All: 3343.401+/-0.374 χ²/NDF: 4776743.5/69



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 670.807+/-305.978 χ^2/NDF:29.5/17

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: 9.705+/-216.166 χ^2/NDF: 50.3/34

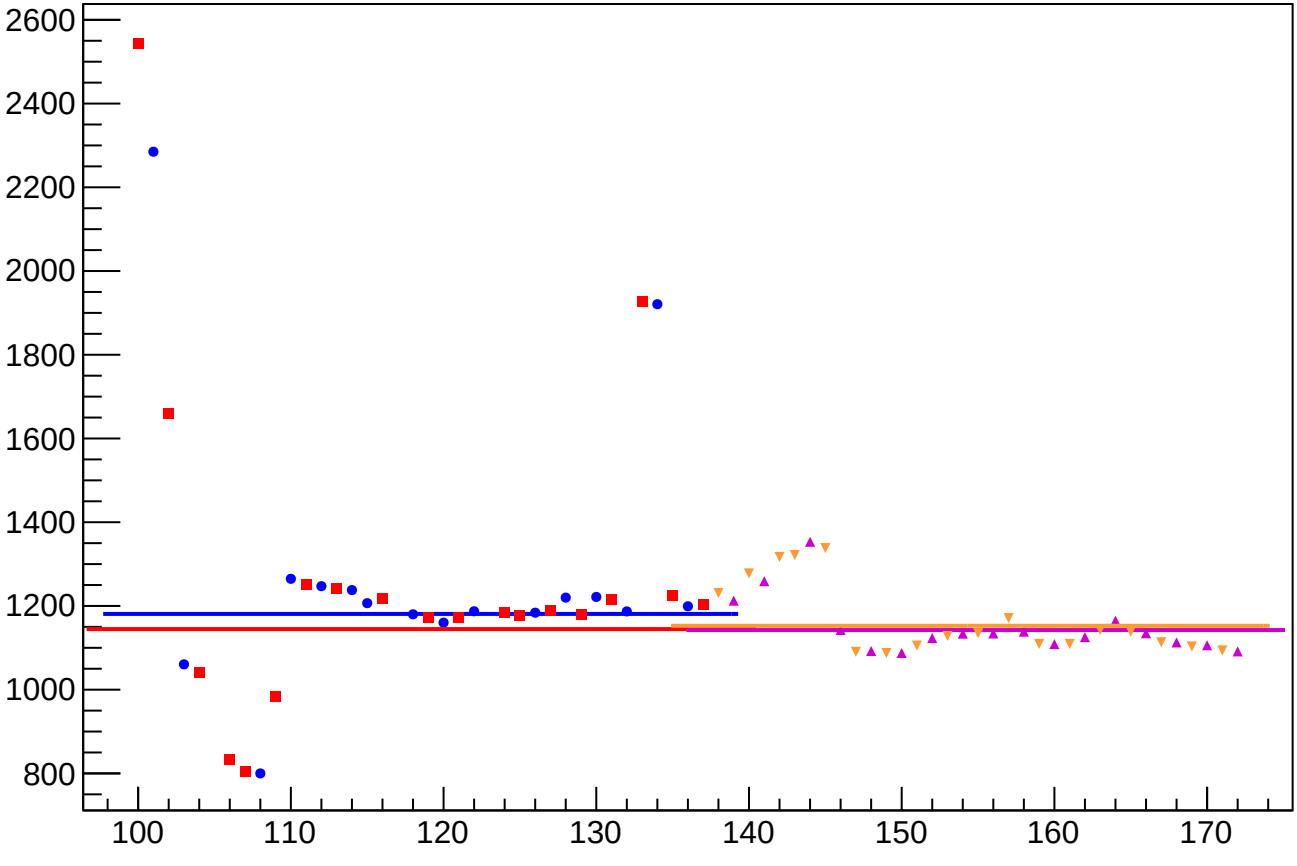
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -655.939+/-252.451 χ^2/NDF:23.3/32

Out: 352.113+/-250.157 χ^2/NDF:49.7/36

All: -147.312+/-177.693 χ^2/NDF: 81.1/69

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1152.688+/-0.216 χ^2/NDF:125518.4/17

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1142.444+/-0.216 χ^2/NDF:82318.7/16

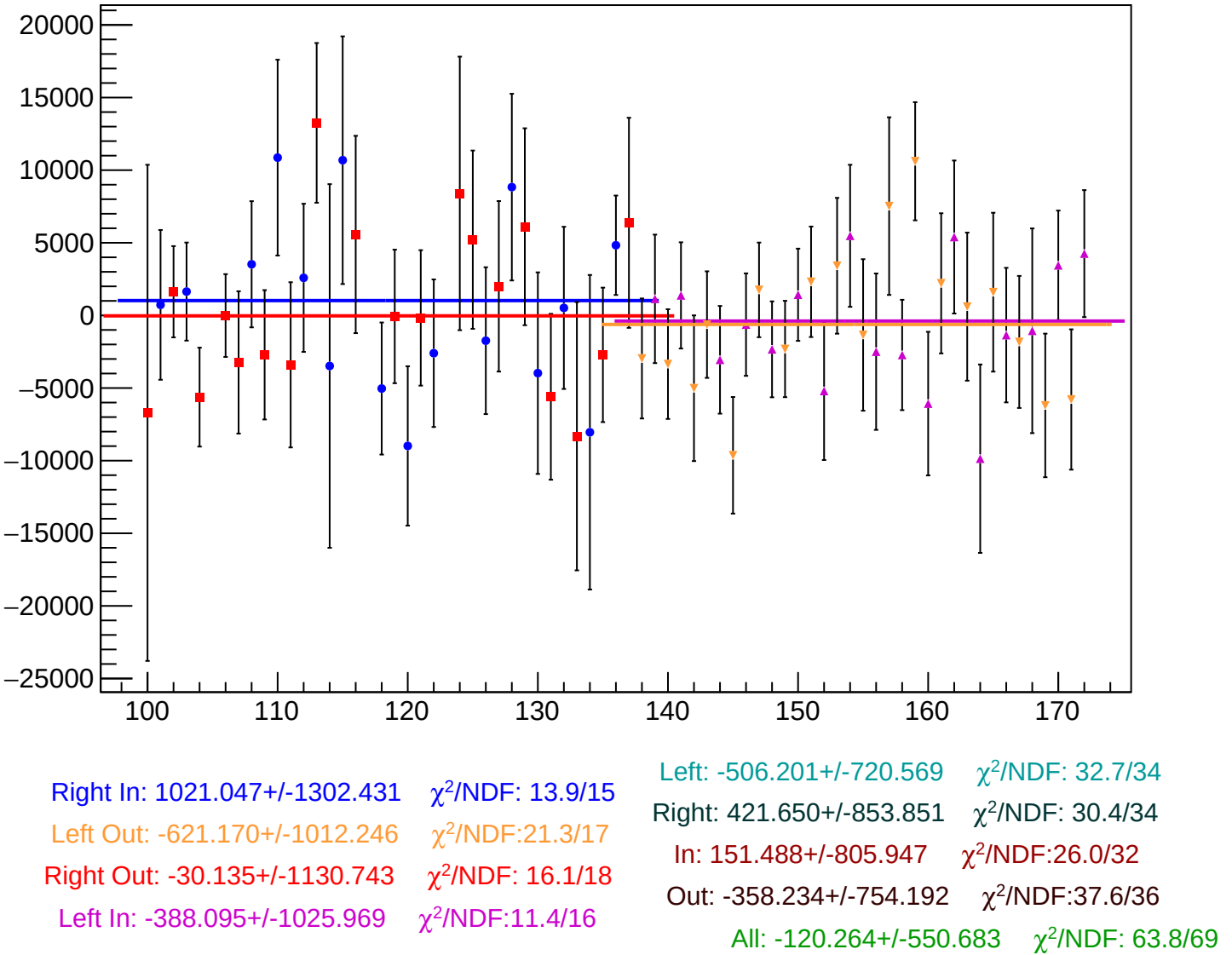
Left: 1147.557+/-0.153 χ^2/NDF: 208959.8/34

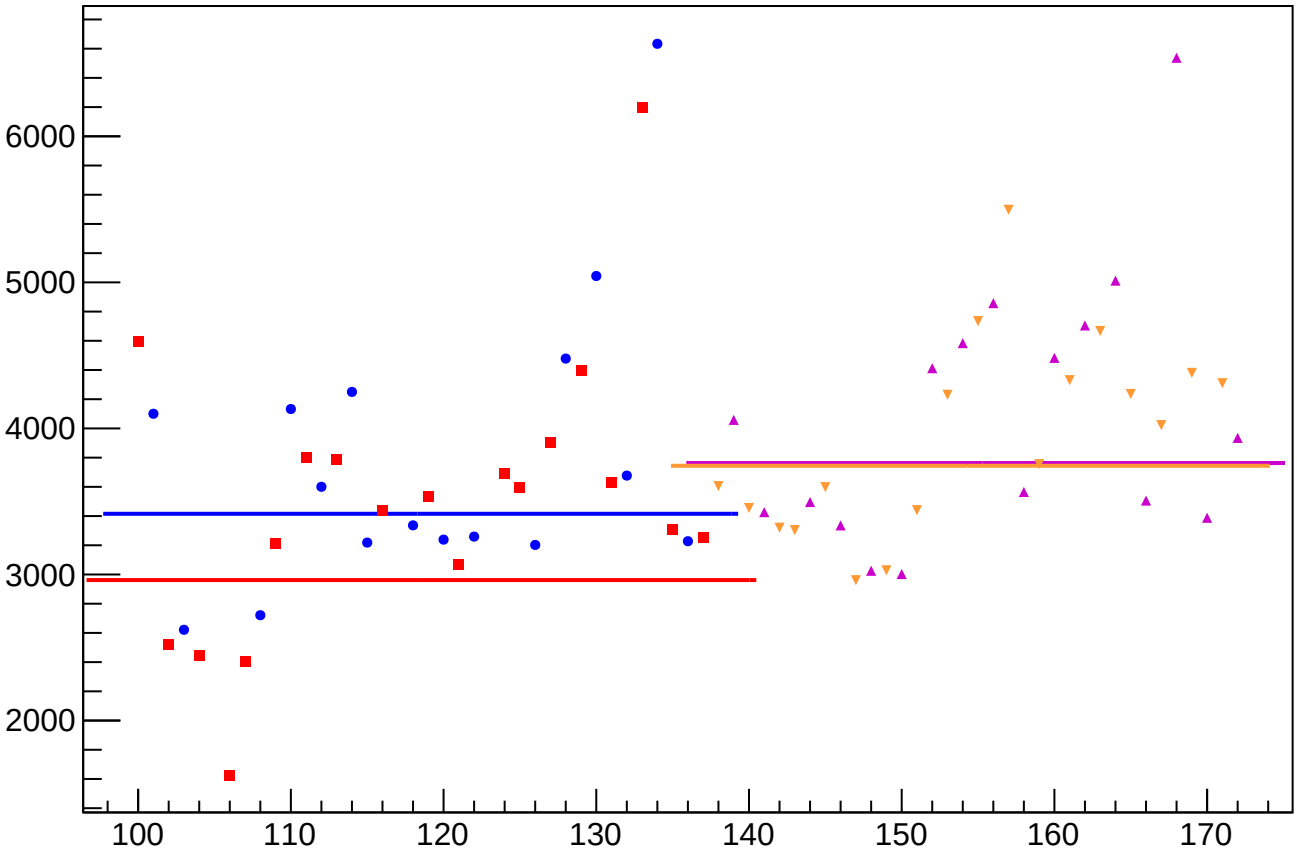
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

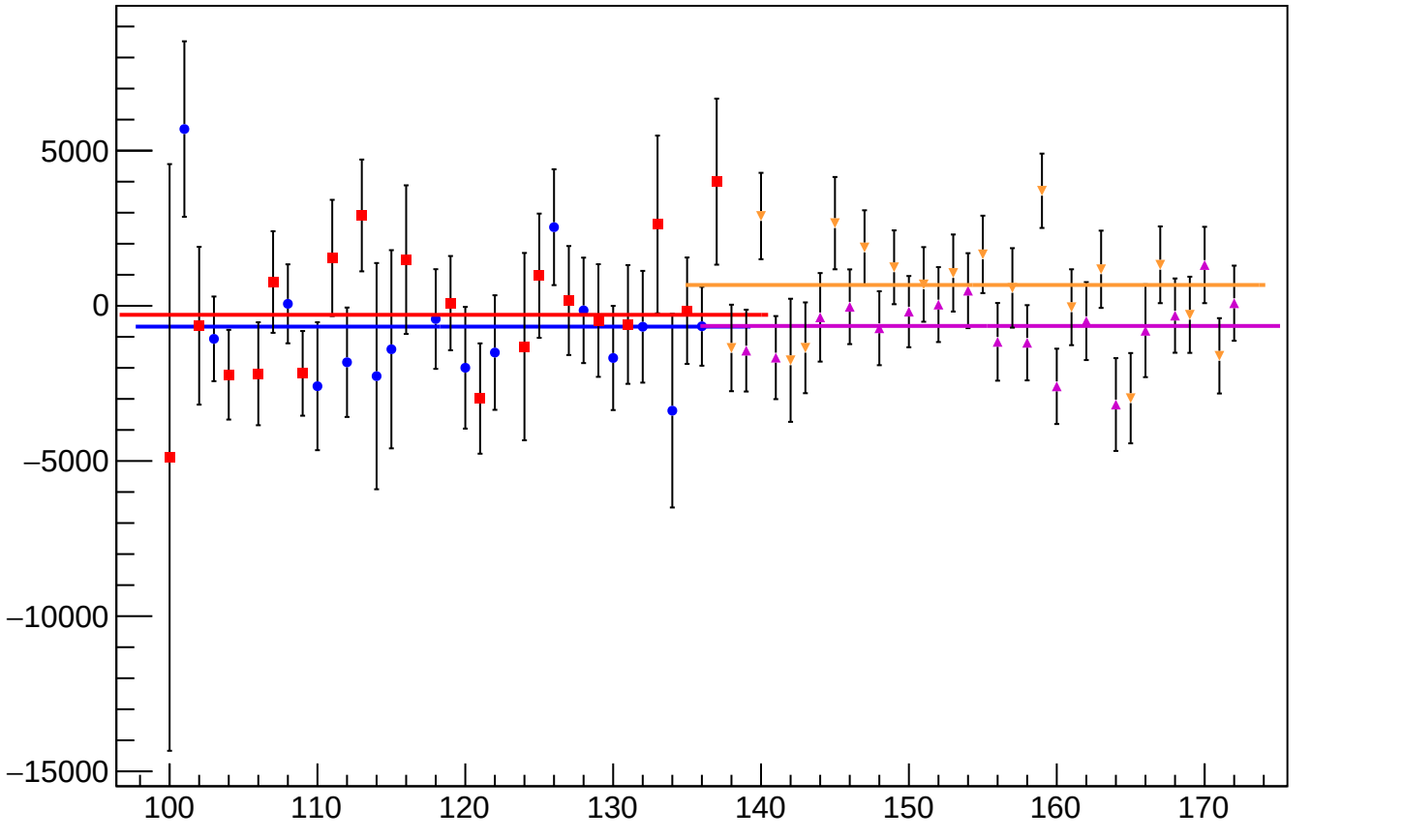
In: 1154.646+/-0.179 χ^2/NDF:714271.3/32

Out: 1150.063+/-0.177 χ^2/NDF:623692.6/36

All: 1152.333+/-0.126 χ^2/NDF: 1338296.5/69


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: -621.170+/-1012.246 χ²/NDF:21.3/17
Right Out: -30.135+/-1130.743 χ²/NDF: 16.1/18
Left In: -388.095+/-1025.969 χ²/NDF:11.4/16
Left: -506.201+/-720.569 χ²/NDF: 32.7/34
Right: 421.650+/-853.851 χ²/NDF: 30.4/34
In: 151.488+/-805.947 χ²/NDF:26.0/32
Out: -358.234+/-754.192 χ²/NDF:37.6/36
All: -120.264+/-550.683 χ²/NDF: 63.8/69


asym_usr_atr2_dd_dit_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 3415.595+/-0.921 χ²/NDF: 592344.0/15
Left Out: 3744.349+/-0.716 χ²/NDF:718676.0/17
Right Out: 2961.798+/-0.800 χ²/NDF: 1169257.4/18
Left In: 3763.075+/-0.725 χ²/NDF:981323.3/16
Left: 3753.586+/-0.510 χ²/NDF: 1700336.9/34
Right: 3156.834+/-0.604 χ²/NDF: 1900046.9/34
In: 3630.019+/-0.570 χ²/NDF:1661513.7/32
Out: 3396.213+/-0.533 χ²/NDF:2419698.0/36
All: 3505.368+/-0.389 χ²/NDF: 4170947.9/69



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 670.813+/-305.978 χ^2/NDF:29.5/17

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -649.039+/-305.432 χ^2/NDF:11.5/16

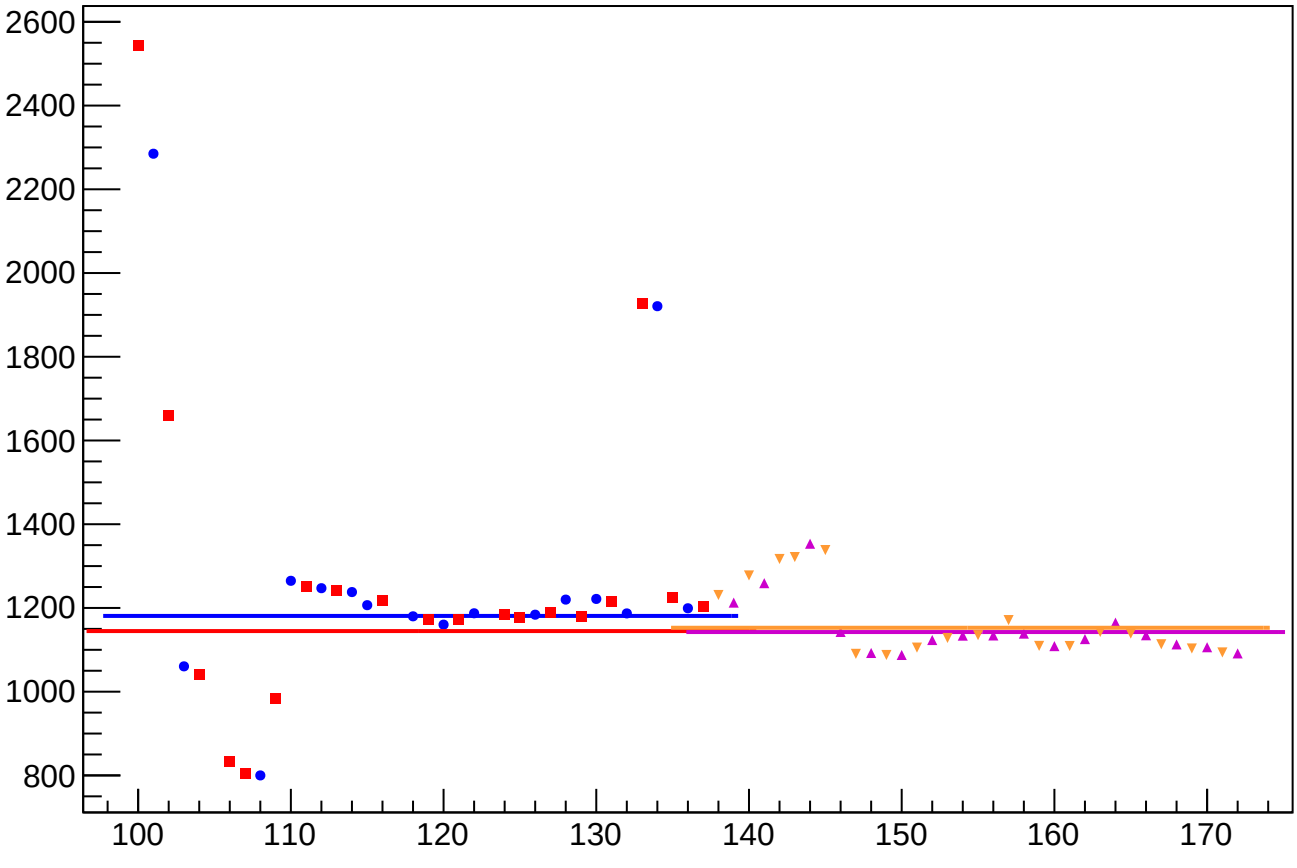
Left: 9.707+/-216.166 χ^2/NDF: 50.3/34

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -655.941+/-252.451 χ^2/NDF:23.3/32

Out: 352.115+/-250.157 χ^2/NDF:49.7/36

All: -147.312+/-177.693 χ^2/NDF: 81.1/69



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1152.689+/-0.216 χ^2/NDF:125518.3/17

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: 1147.558+/-0.153 χ^2/NDF: 208959.4/34

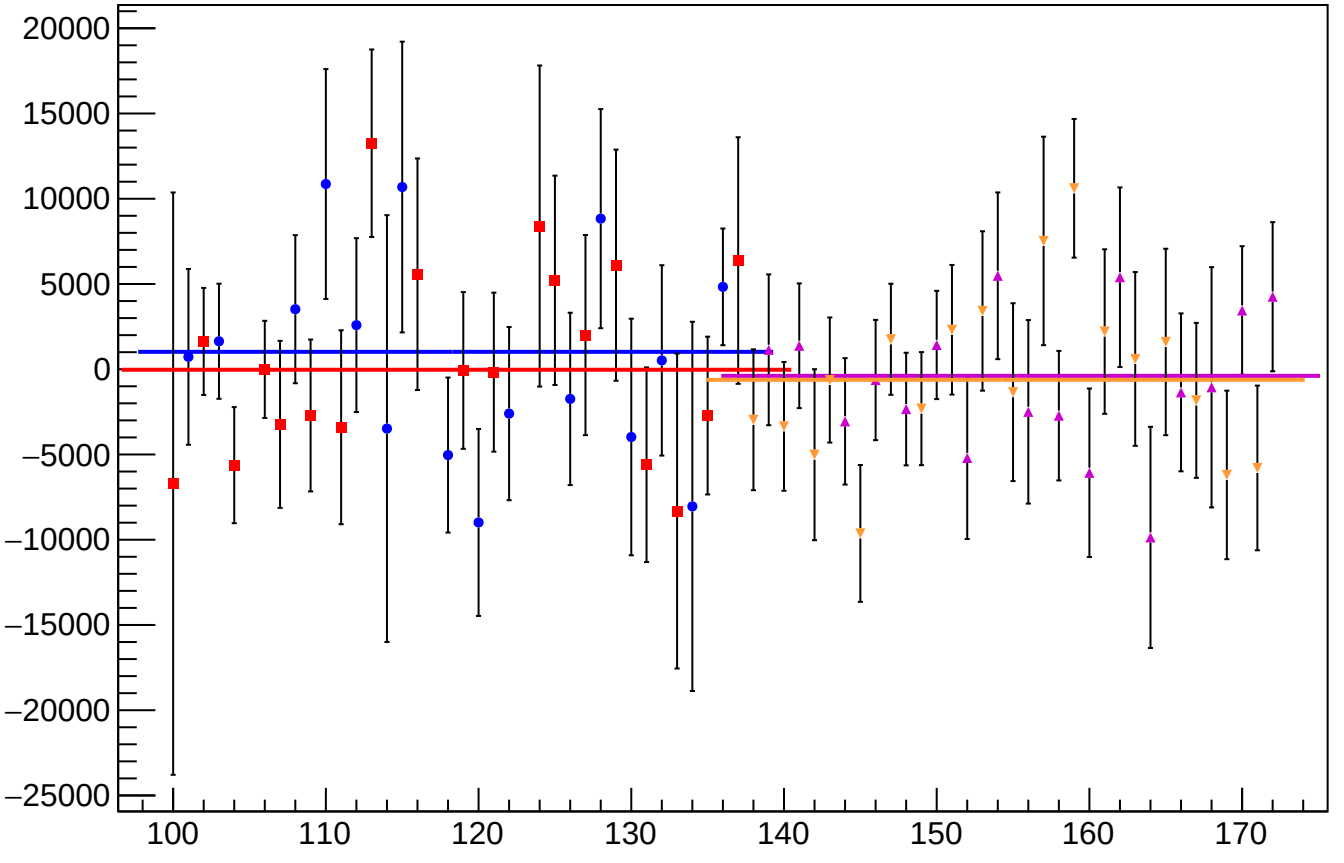
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1154.647+/-0.179 χ^2/NDF:714270.6/32

Out: 1150.064+/-0.177 χ^2/NDF:623692.3/36

All: 1152.334+/-0.126 χ^2/NDF: 1338295.5/69

asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -621.170+/-1012.247 χ^2/NDF:21.3/17

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -388.092+/-1025.970 χ^2/NDF:11.4/16

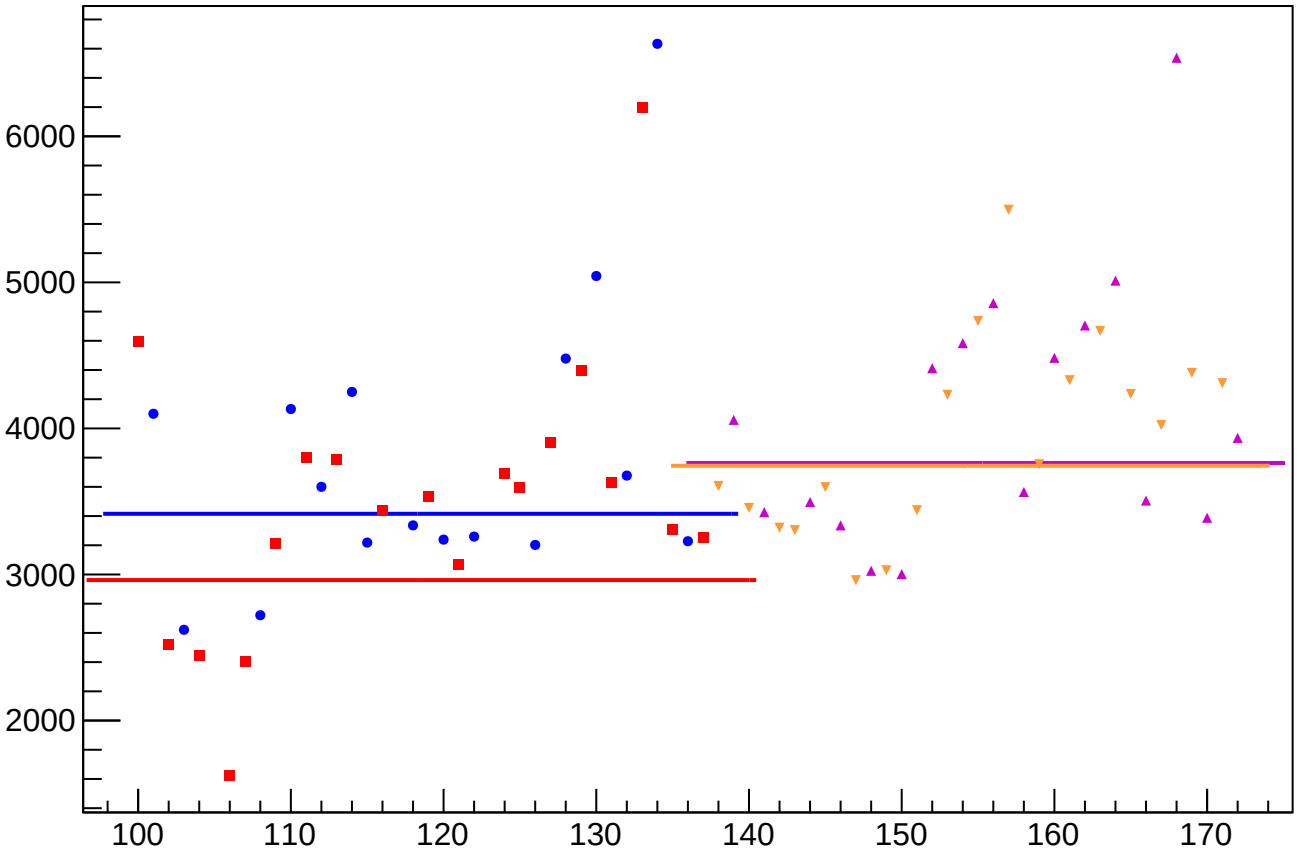
Left: -506.200+/-720.570 χ^2/NDF: 32.7/34

Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 151.485+/-805.947 χ^2/NDF:26.0/32

Out: -358.236+/-754.192 χ^2/NDF:37.6/36

All: -120.266+/-550.683 χ^2/NDF: 63.8/69



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3744.354+/-0.716 χ^2/NDF:718675.0/17

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

Left In: 3763.079+/-0.725 χ^2/NDF:981323.7/16

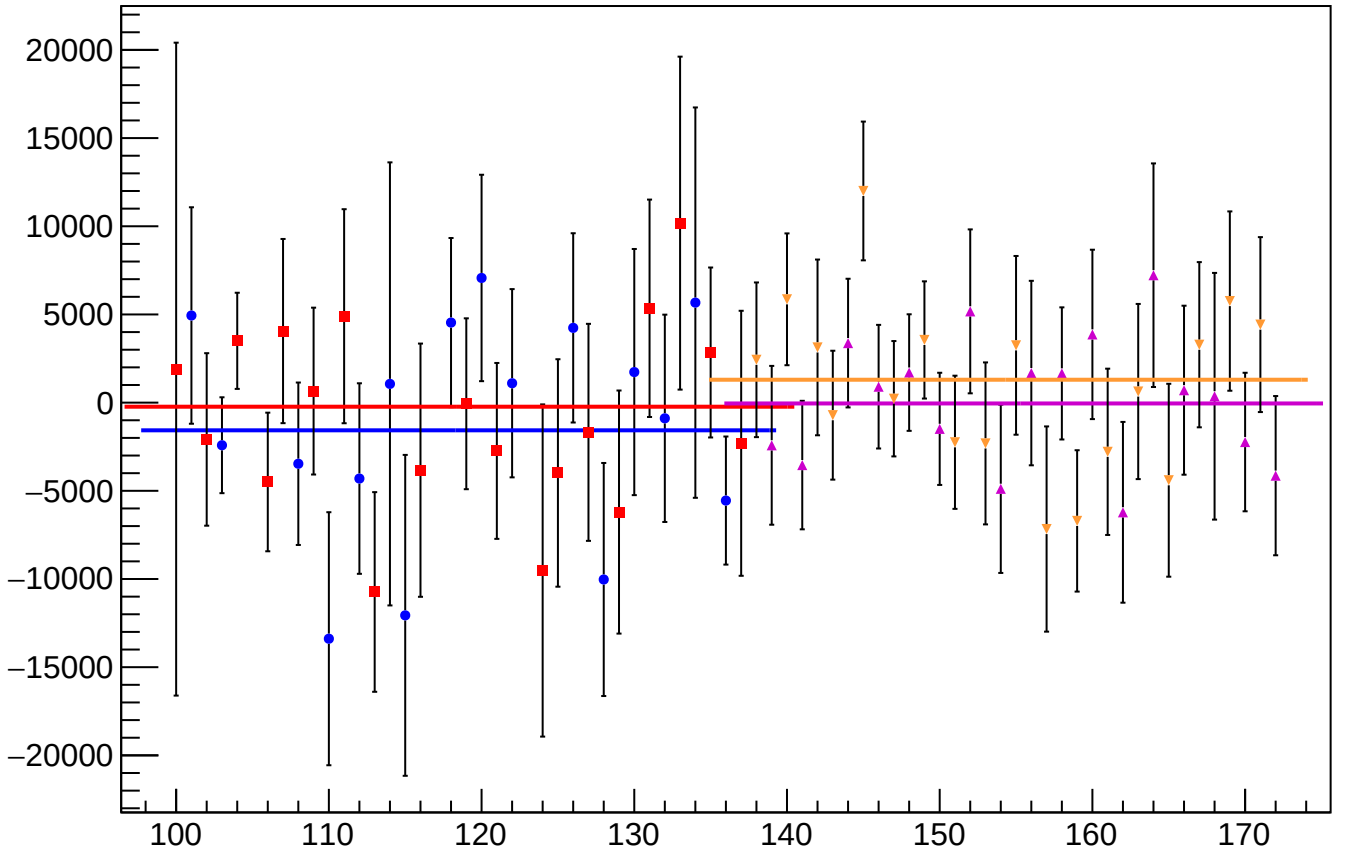
Left: 3753.591+/-0.510 χ^2/NDF: 1700336.3/34

Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

In: 3630.020+/-0.570 χ^2/NDF:1661513.2/32

Out: 3396.212+/-0.533 χ^2/NDF:2419710.8/36

All: 3505.369+/-0.389 χ^2/NDF: 4170961.3/69



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 1298.378+/-1010.315 χ^2/NDF:20.9/17

Right Out: -231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: -46.541+/-1023.843 χ^2/NDF:9.8/16

Left: 634.862+/-719.136 χ^2/NDF: 31.6/34

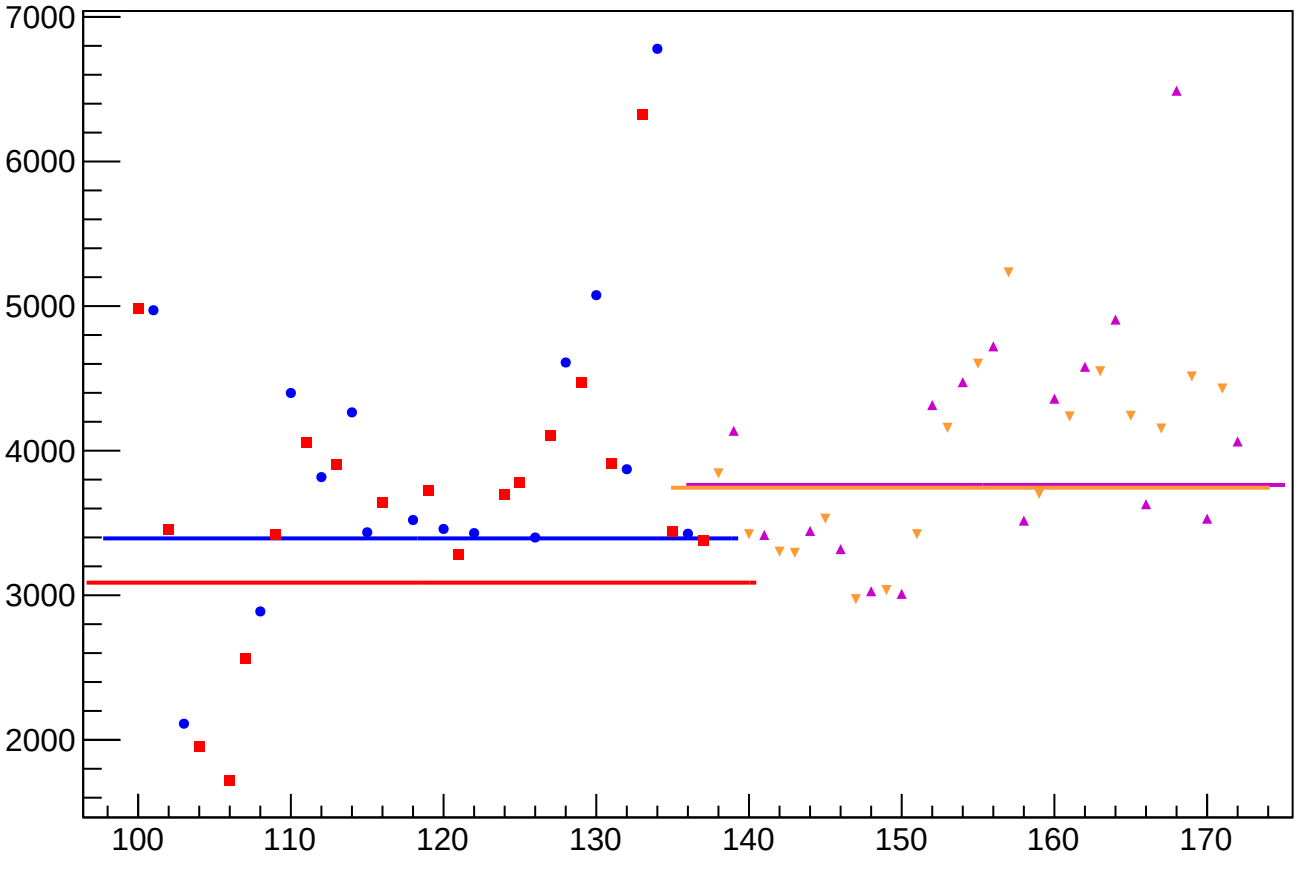
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -622.565+/-807.376 χ^2/NDF:25.1/32

Out: 678.770+/-779.251 χ^2/NDF:35.1/36

All: 51.163+/-560.693 χ^2/NDF: 61.6/69

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3743.961+/-0.714 χ^2/NDF:679581.0/17

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3763.020+/-0.724 χ^2/NDF:907169.8/16

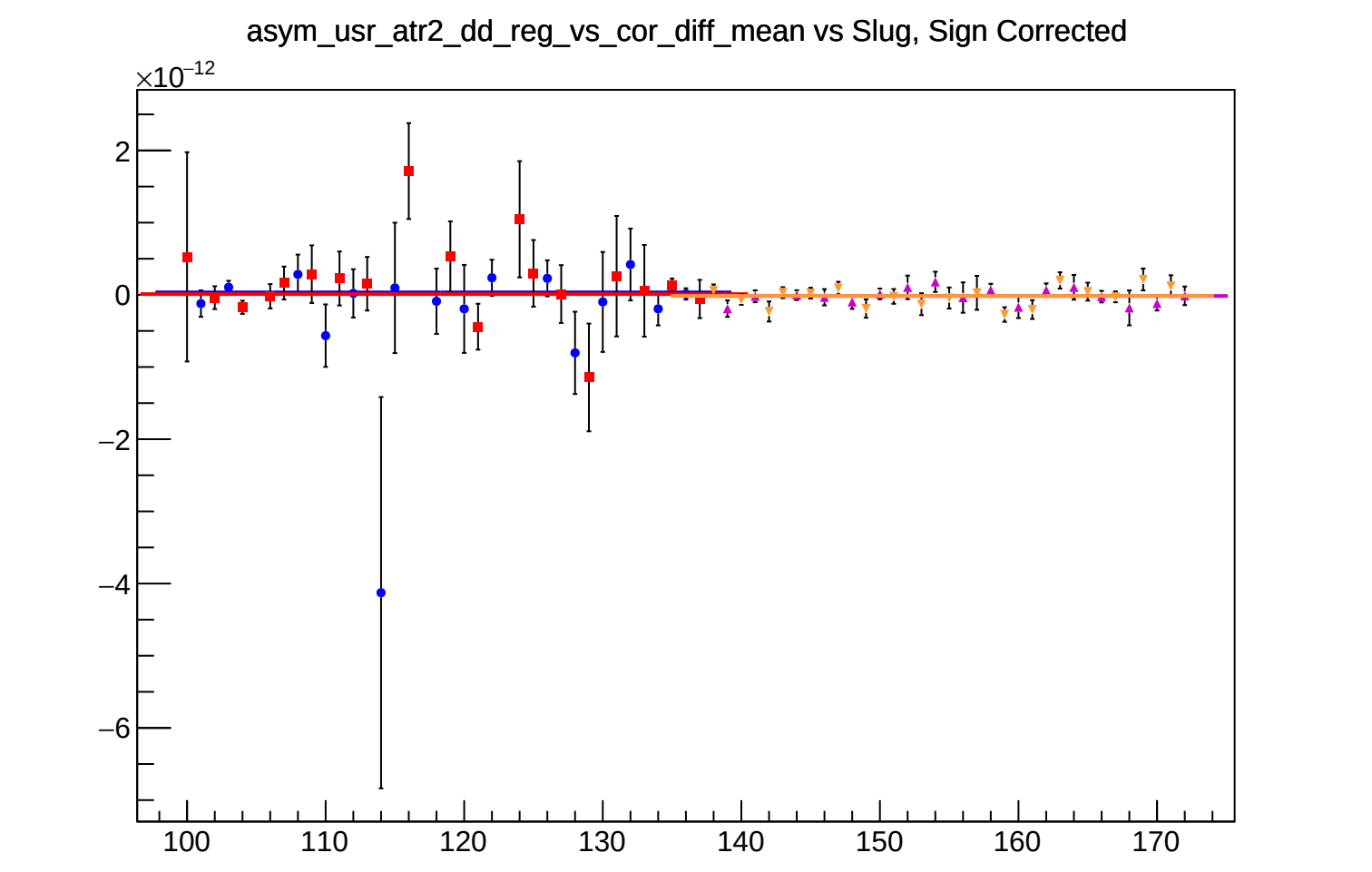
Left: 3753.364+/-0.509 χ^2/NDF: 1587101.9/34

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3623.235+/-0.571 χ^2/NDF:2054464.7/32

Out: 3472.585+/-0.547 χ^2/NDF:2357096.9/36

All: 3544.721+/-0.395 χ^2/NDF: 4447852.4/69



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/17

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: -0.000+/-0.000 χ^2/NDF:10.7/16

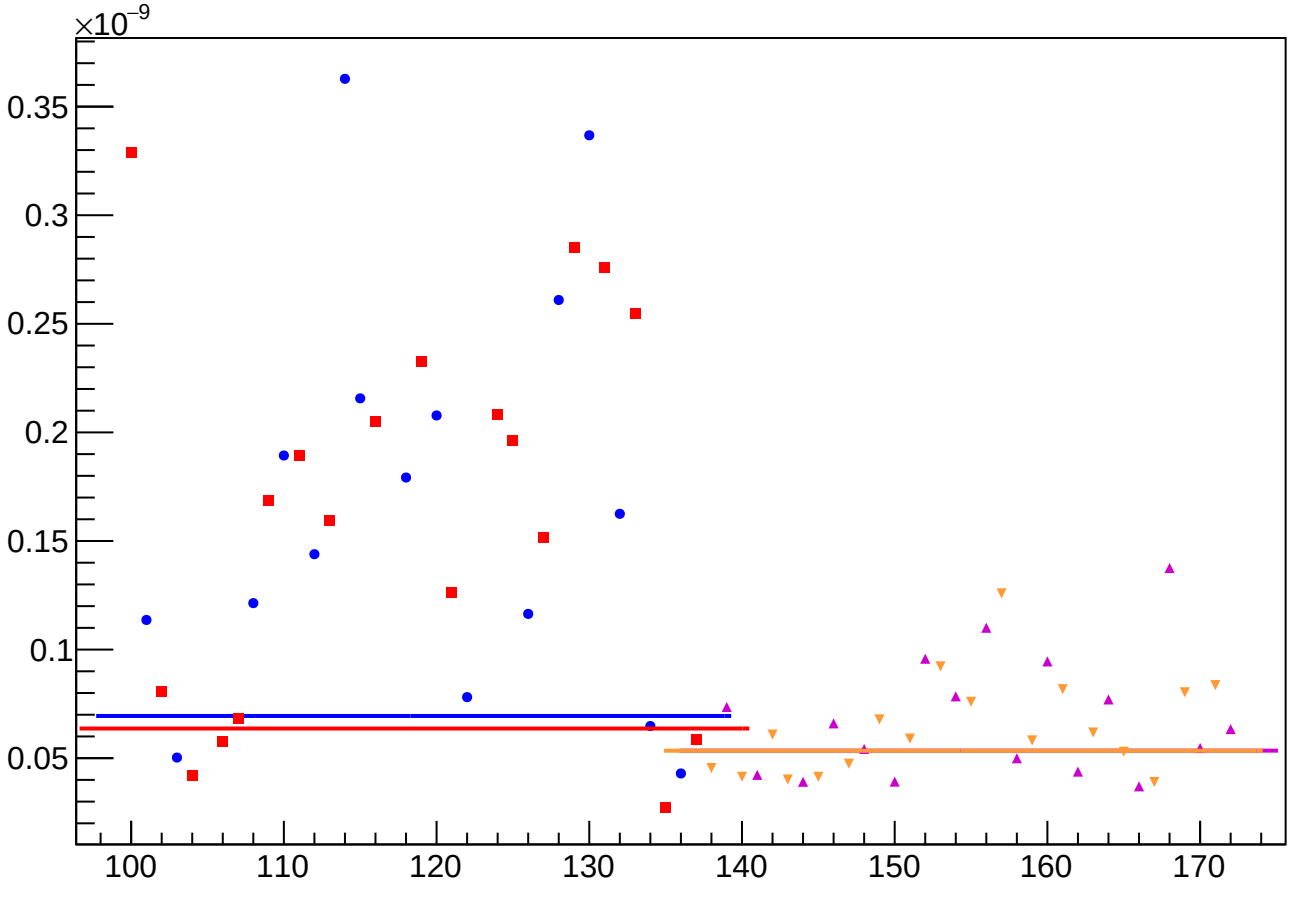
Left: -0.000+/-0.000 χ^2/NDF: 34.6/34

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:46.0/36

All: -0.000+/-0.000 χ^2/NDF: 69.3/69



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:927903.3/17

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: 2103493.9/34

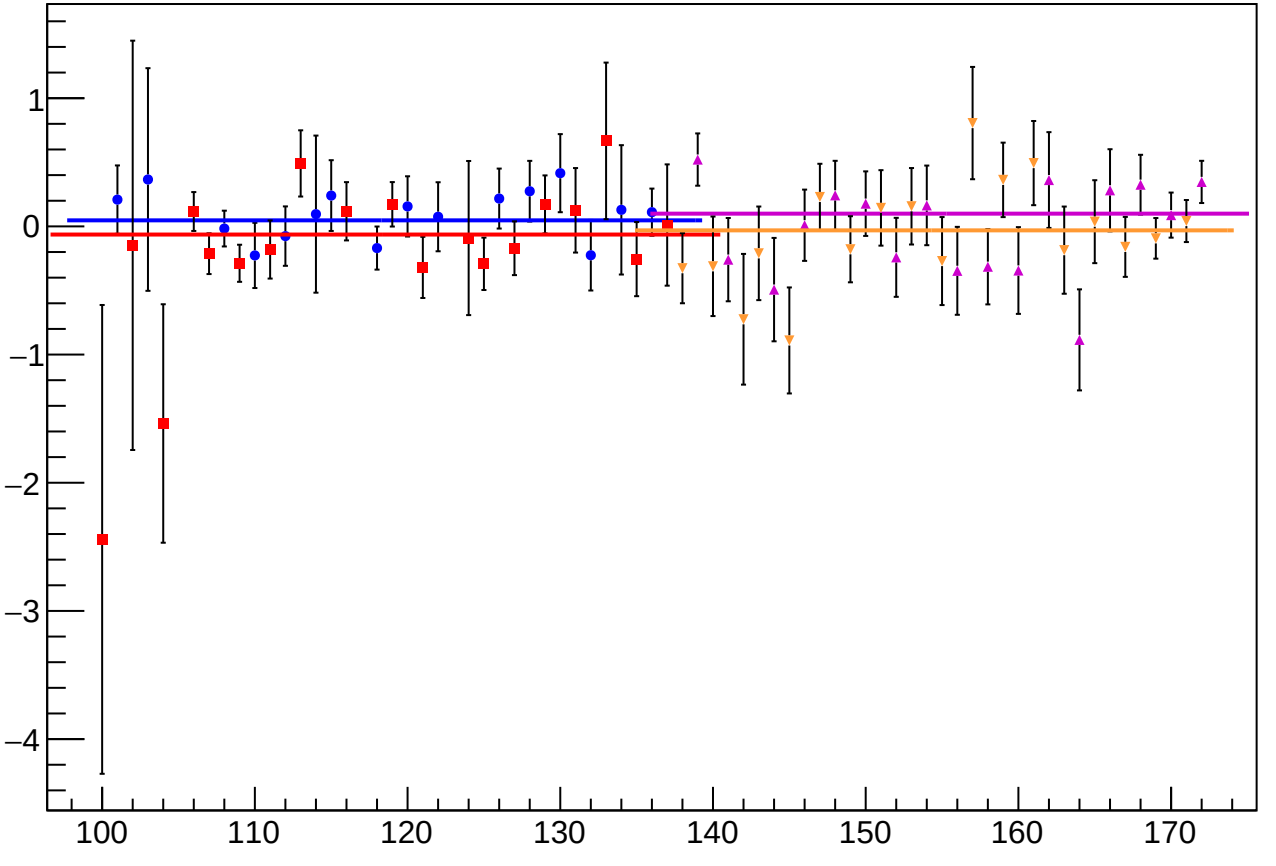
Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:3073662.8/32

Out: 0.000+/-0.000 χ^2/NDF:3246906.0/36

All: 0.000+/-0.000 χ^2/NDF: 6324492.8/69

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.031+/-0.065 χ^2/NDF:19.6/17

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: 0.035+/-0.046 χ^2/NDF: 46.7/34

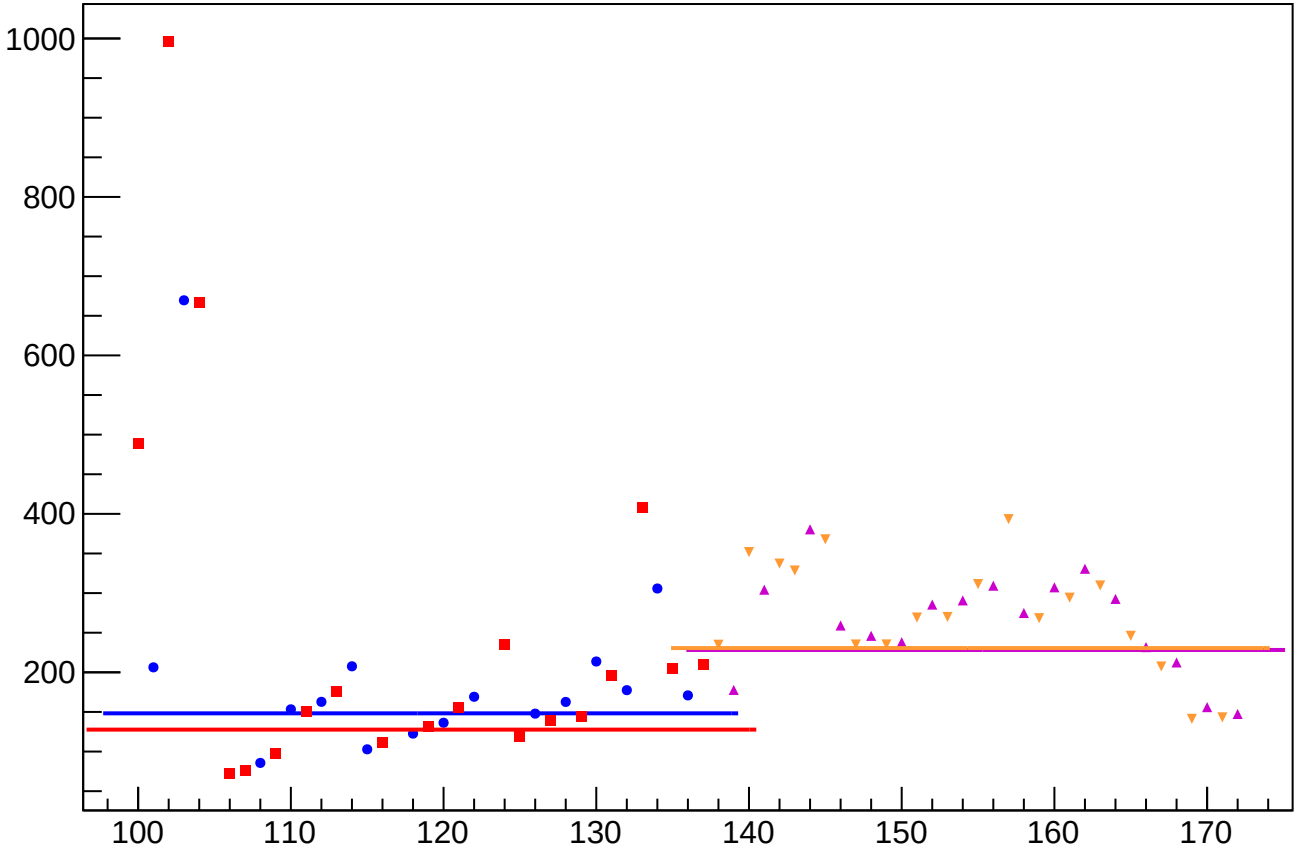
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.071+/-0.044 χ^2/NDF:34.0/32

Out: -0.050+/-0.042 χ^2/NDF:42.0/36

All: 0.008+/-0.030 χ^2/NDF: 80.0/69

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 230.606+/-0.046 χ^2/NDF:2548938.9/17

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: 229.400+/-0.032 χ^2/NDF: 4556555.6/34

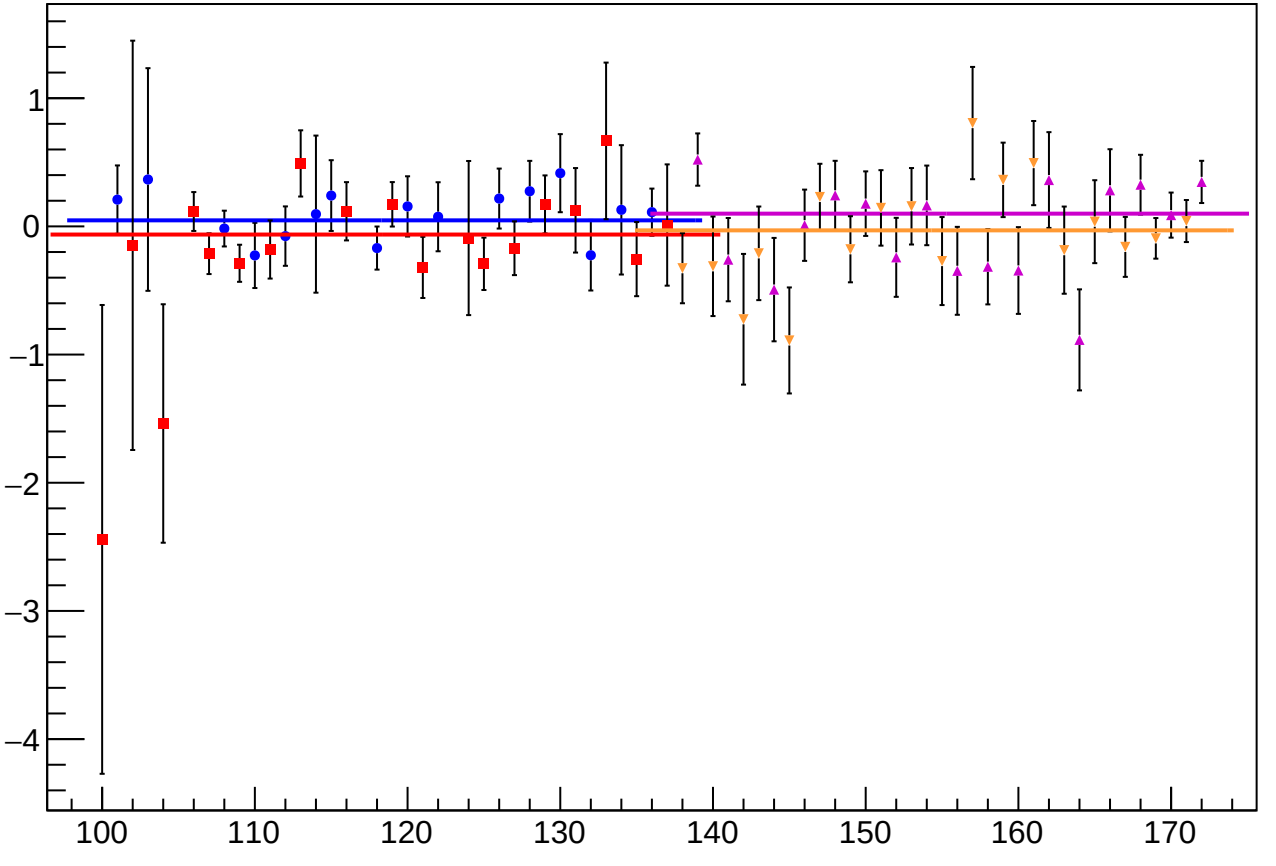
Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 185.561+/-0.031 χ^2/NDF:5372917.5/32

Out: 170.485+/-0.030 χ^2/NDF:8338719.0/36

All: 177.661+/-0.021 χ^2/NDF: 13835587.4/69

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.031+/-0.065 χ^2/NDF:19.6/17

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: 0.035+/-0.046 χ^2/NDF: 46.7/34

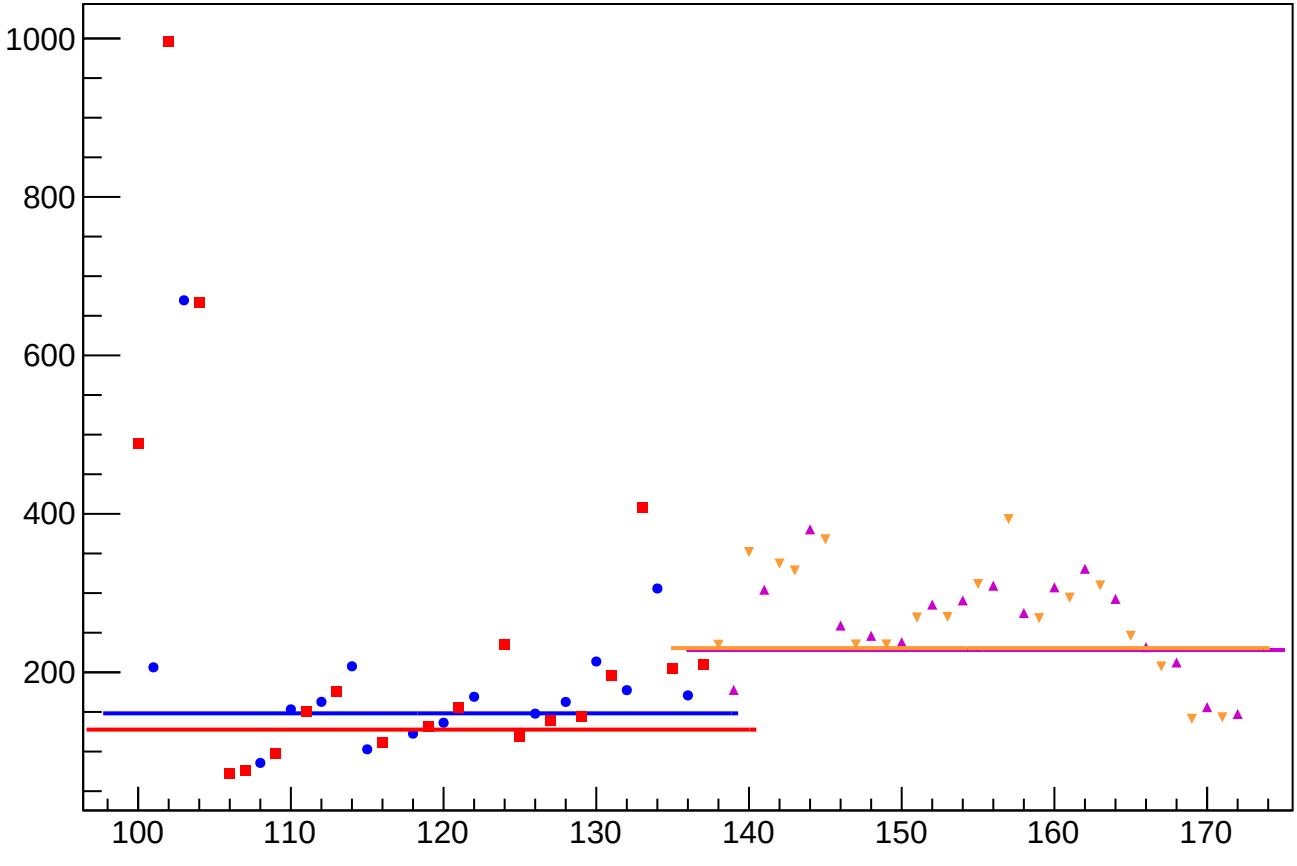
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.071+/-0.044 χ^2/NDF:34.0/32

Out: -0.050+/-0.042 χ^2/NDF:42.0/36

All: 0.008+/-0.030 χ^2/NDF: 80.0/69

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: 230.606+/-0.046 χ^2/NDF:2548938.9/17

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 228.217+/-0.045 χ^2/NDF:2006243.7/16

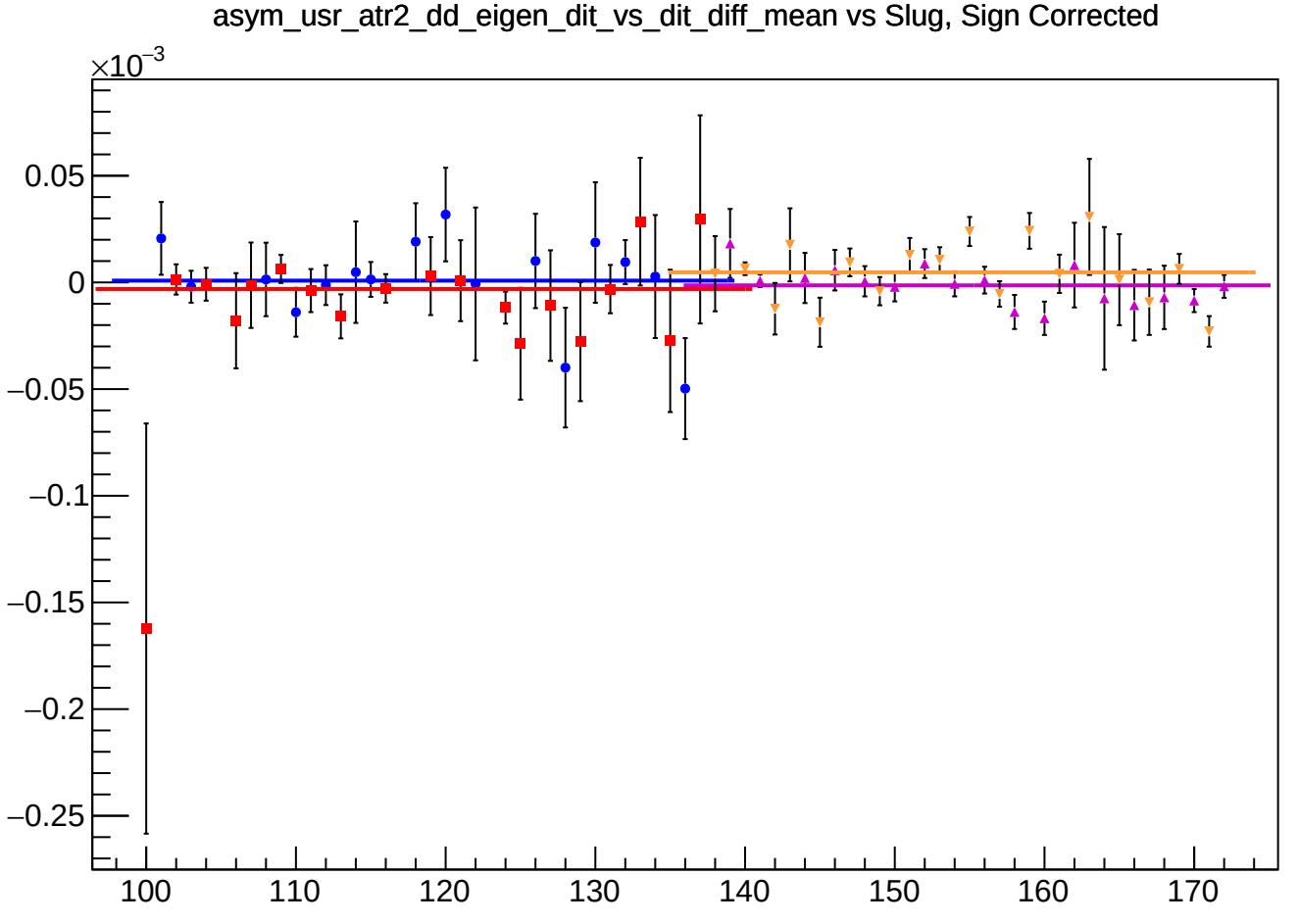
Left: 229.400+/-0.032 χ^2/NDF: 4556555.6/34

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 185.561+/-0.031 χ^2/NDF:5372917.5/32

Out: 170.485+/-0.030 χ^2/NDF:8338719.0/36

All: 177.661+/-0.021 χ^2/NDF: 13835587.4/69



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/17

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:14.0/16

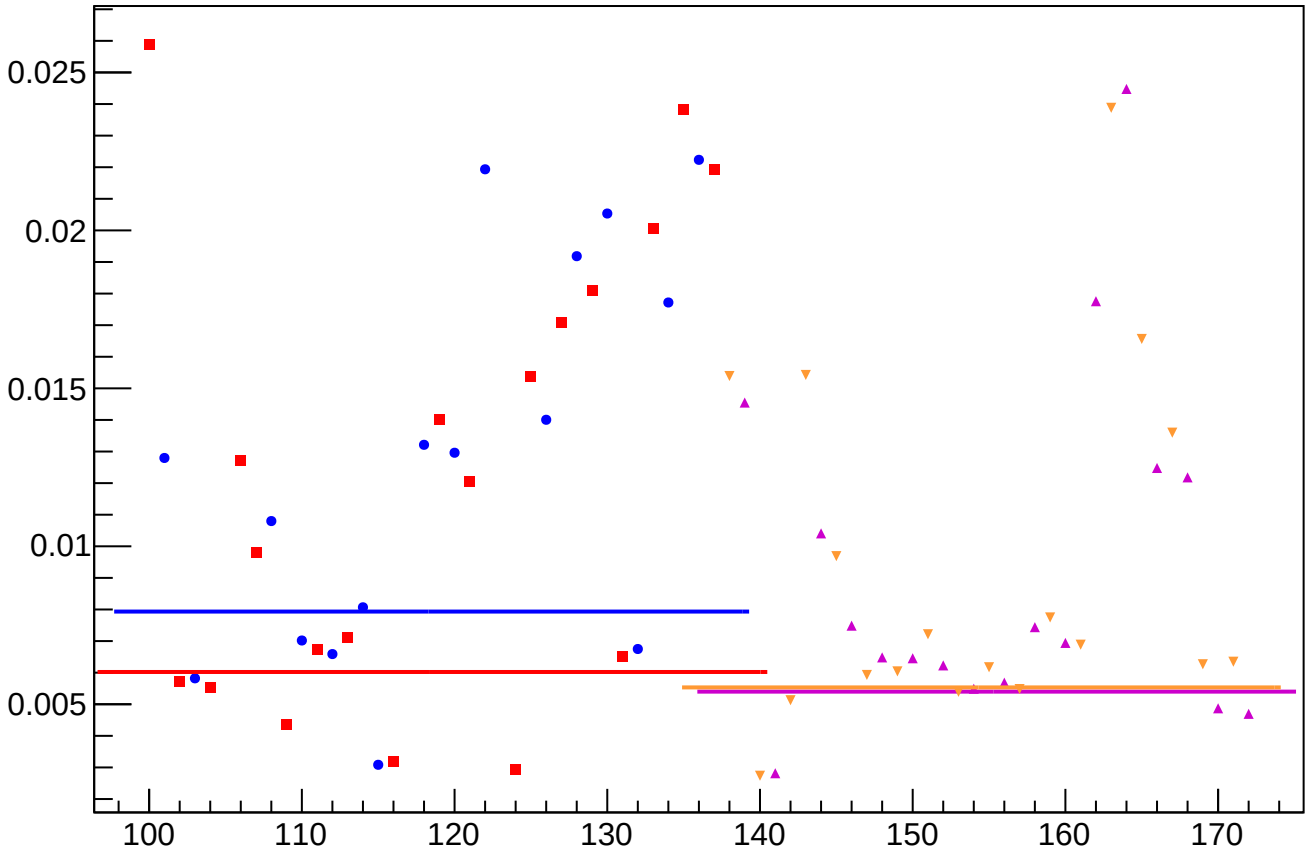
Left: 0.000+/-0.000 χ^2/NDF: 64.9/34

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:63.2/36

All: 0.000+/-0.000 χ^2/NDF: 94.5/69



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.006+/-0.000 χ^2/NDF:5668167.8/17

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: 10859271.6/34

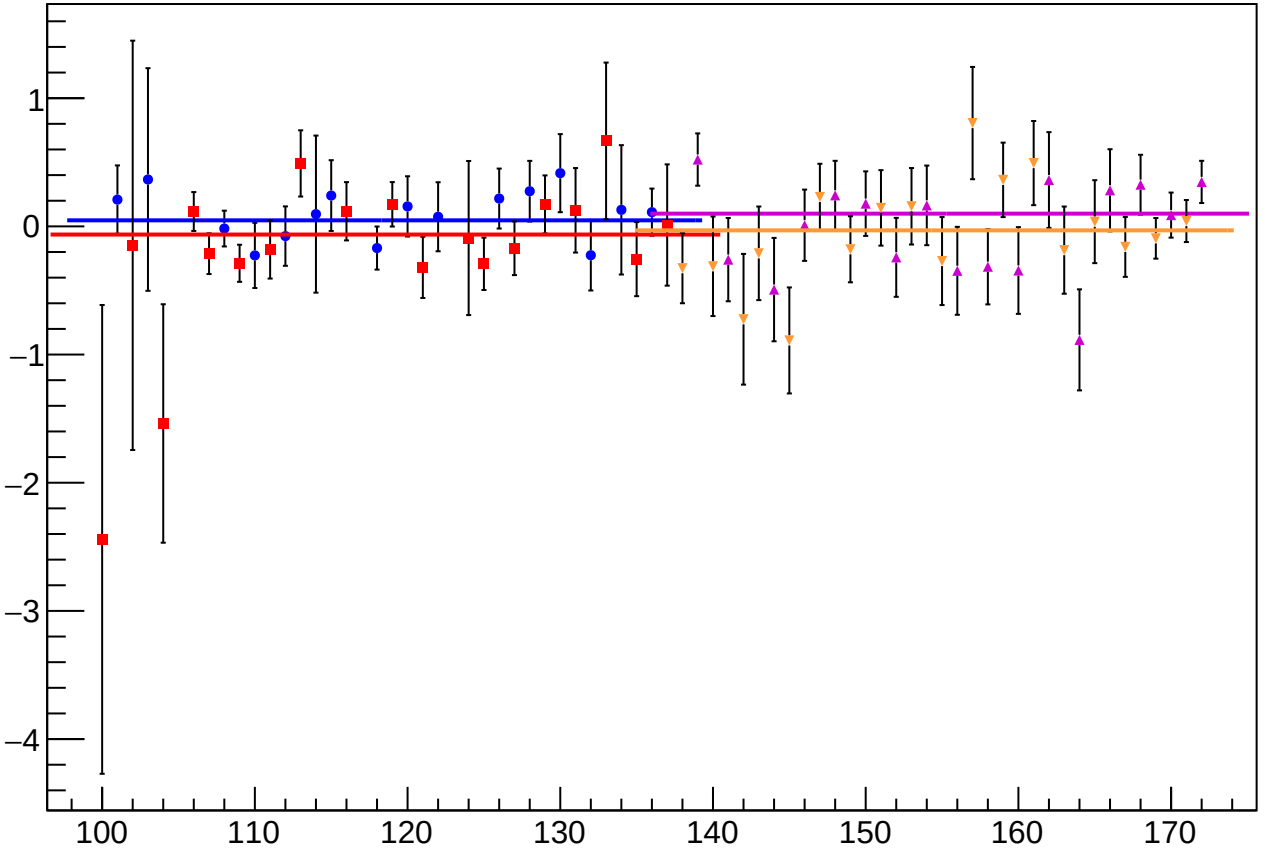
Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:9634214.6/32

Out: 0.006+/-0.000 χ^2/NDF:9726374.7/36

All: 0.006+/-0.000 χ^2/NDF: 19378783.2/69

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.031+/-0.065 χ^2/NDF:19.6/17

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: 0.035+/-0.046 χ^2/NDF: 46.7/34

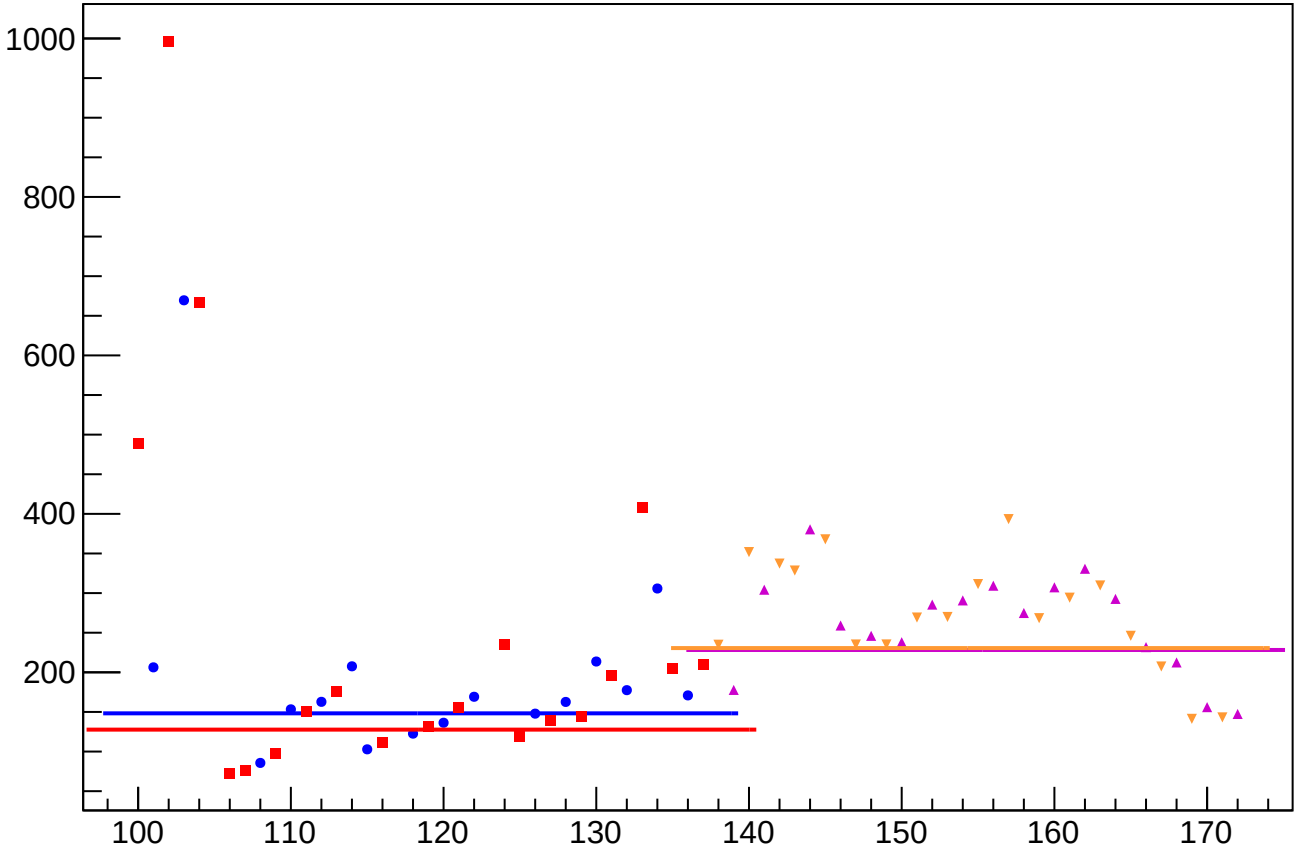
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.071+/-0.044 χ^2/NDF:34.0/32

Out: -0.050+/-0.042 χ^2/NDF:42.0/36

All: 0.008+/-0.030 χ^2/NDF: 80.0/69

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: 230.607+/-0.046 χ^2/NDF:2549073.9/17

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: 229.402+/-0.032 χ^2/NDF: 4556715.2/34

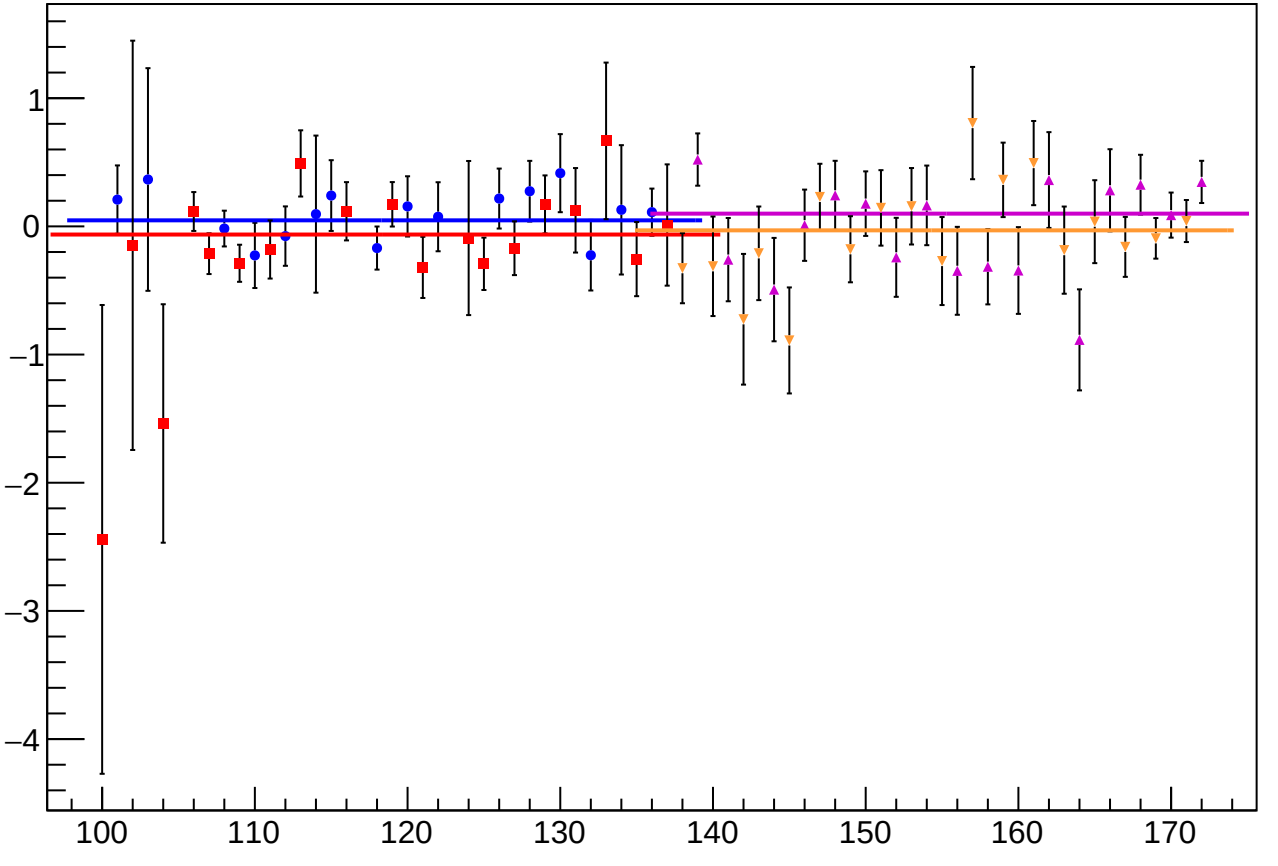
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 185.560+/-0.031 χ^2/NDF:5373216.7/32

Out: 170.485+/-0.030 χ^2/NDF:8338866.9/36

All: 177.661+/-0.021 χ^2/NDF: 13836013.3/69

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: -0.031+/-0.065 χ^2/NDF:19.6/17

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: 0.035+/-0.046 χ^2/NDF: 46.7/34

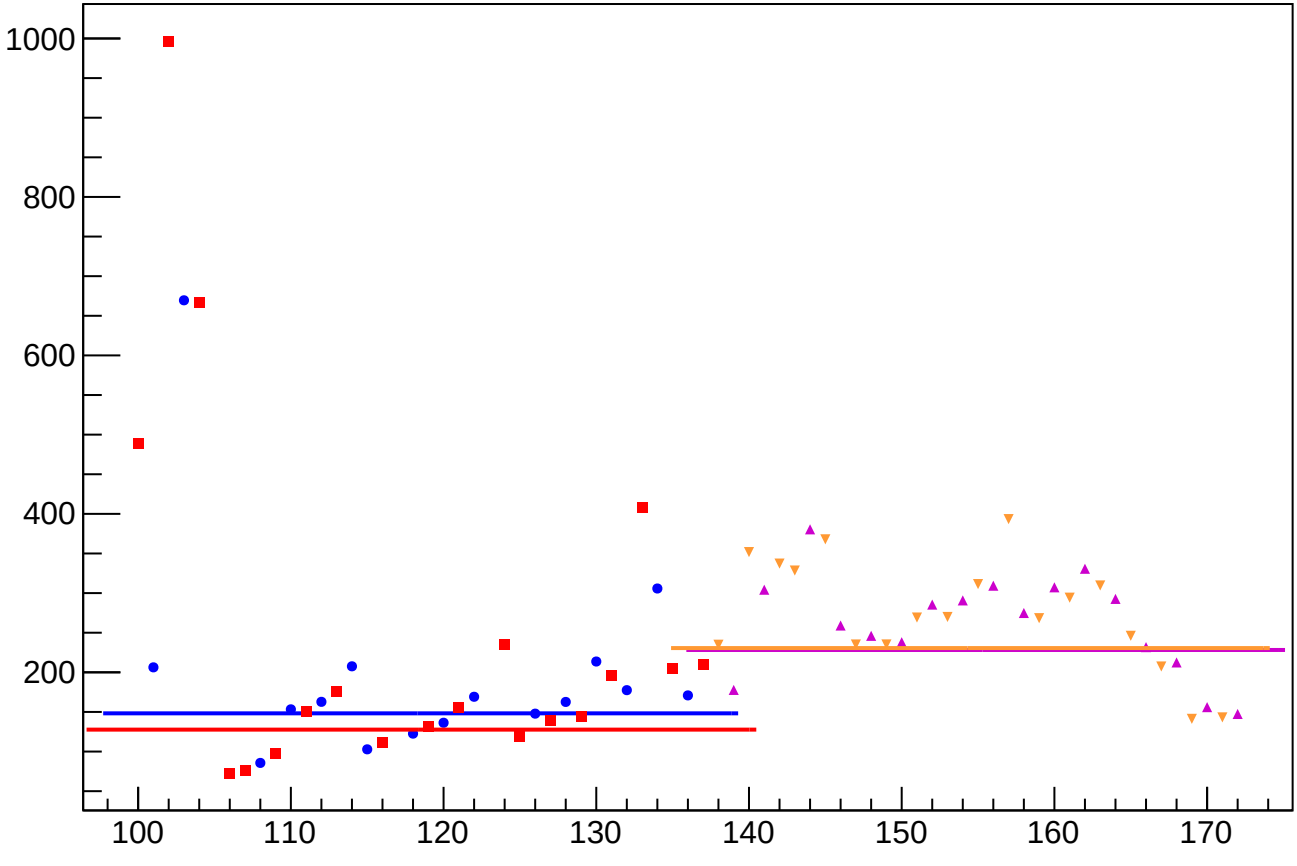
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.071+/-0.044 χ^2/NDF:34.0/32

Out: -0.050+/-0.042 χ^2/NDF:42.0/36

All: 0.008+/-0.030 χ^2/NDF: 80.0/69

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: 230.607+/-0.046 χ^2/NDF:2549073.9/17

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: 229.402+/-0.032 χ^2/NDF: 4556715.2/34

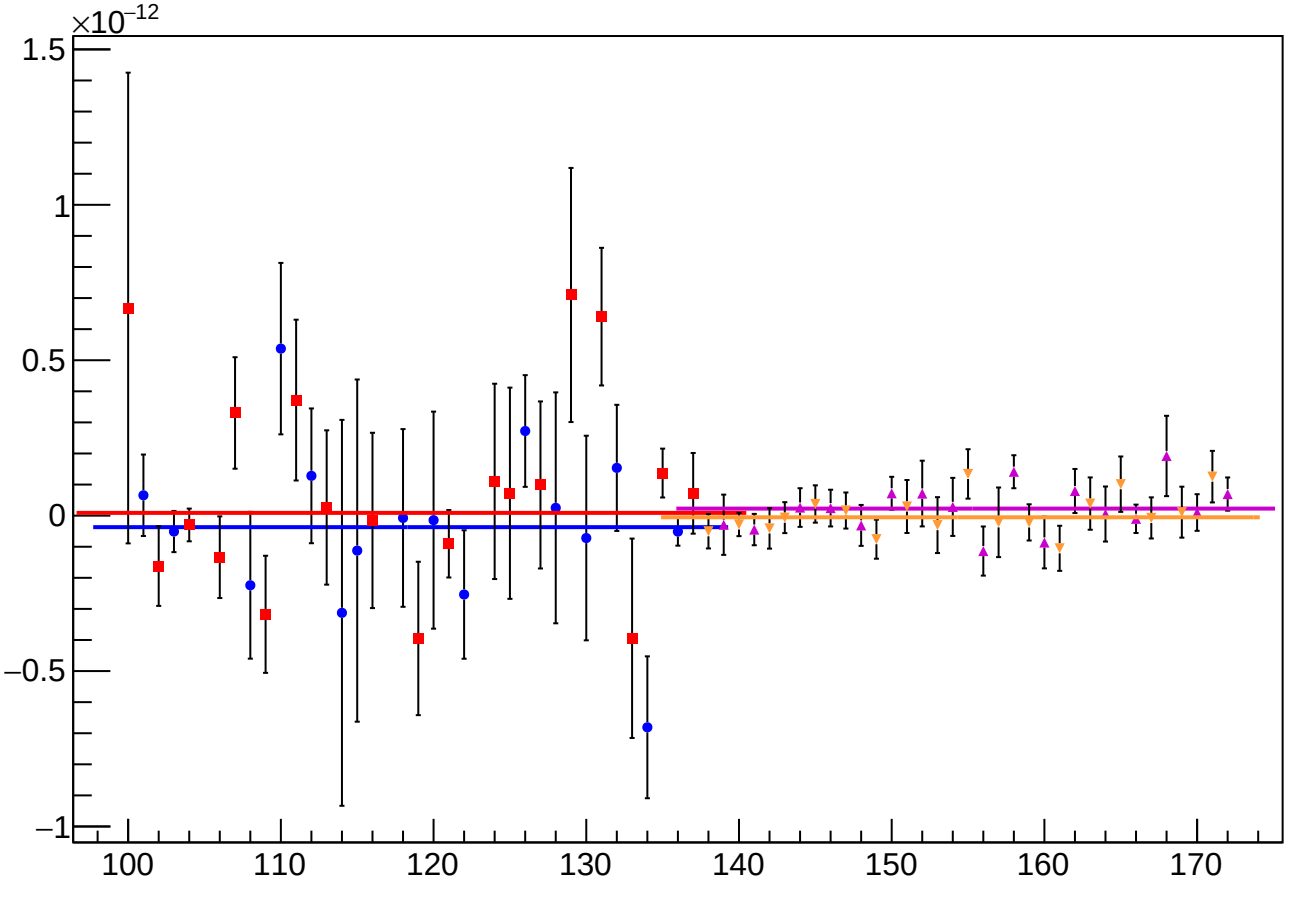
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 185.560+/-0.031 χ^2/NDF:5373216.7/32

Out: 170.485+/-0.030 χ^2/NDF:8338866.9/36

All: 177.661+/-0.021 χ^2/NDF: 13836013.3/69

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:17.3/16

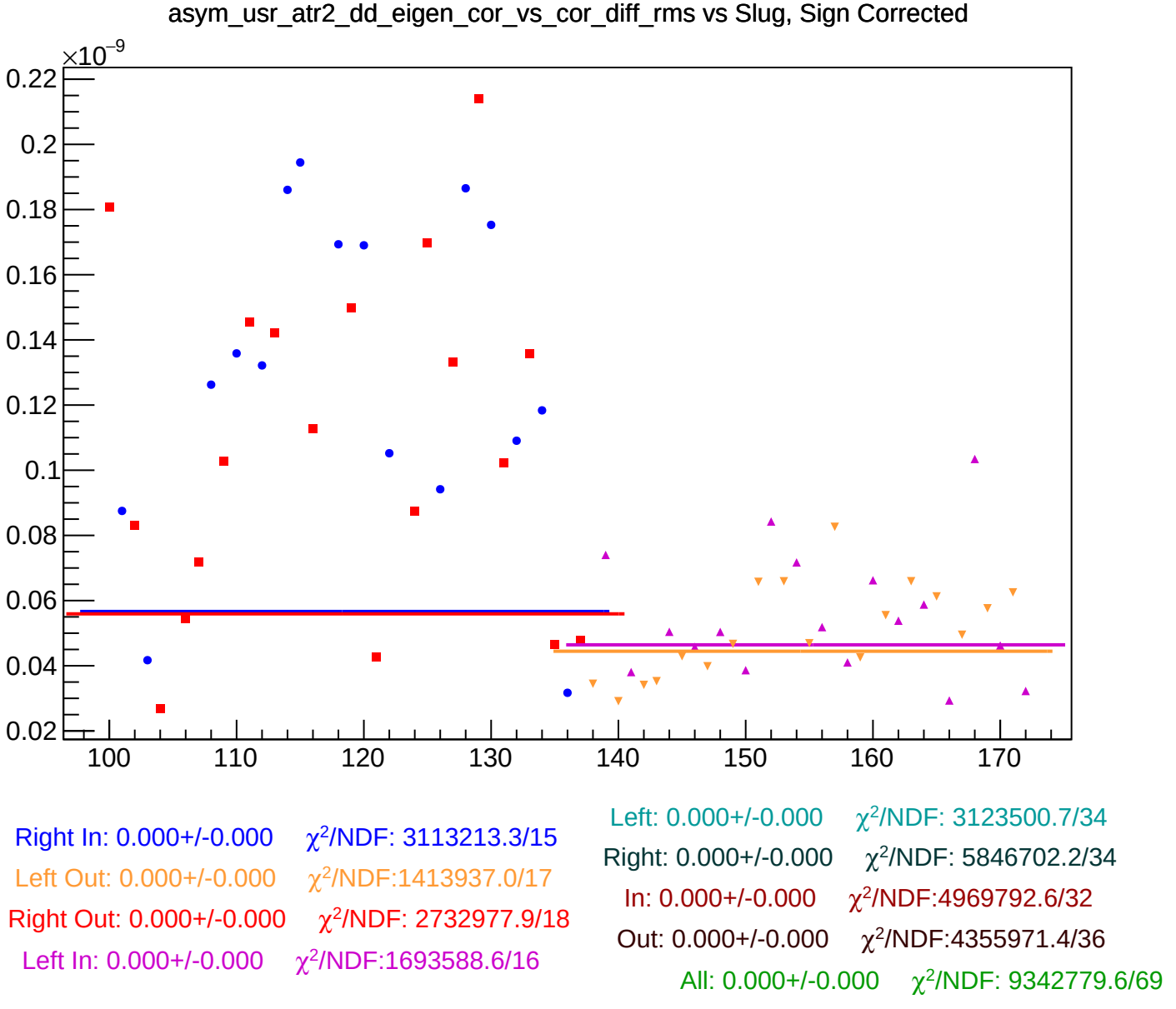
Left: 0.000+/-0.000 χ^2/NDF: 31.7/34

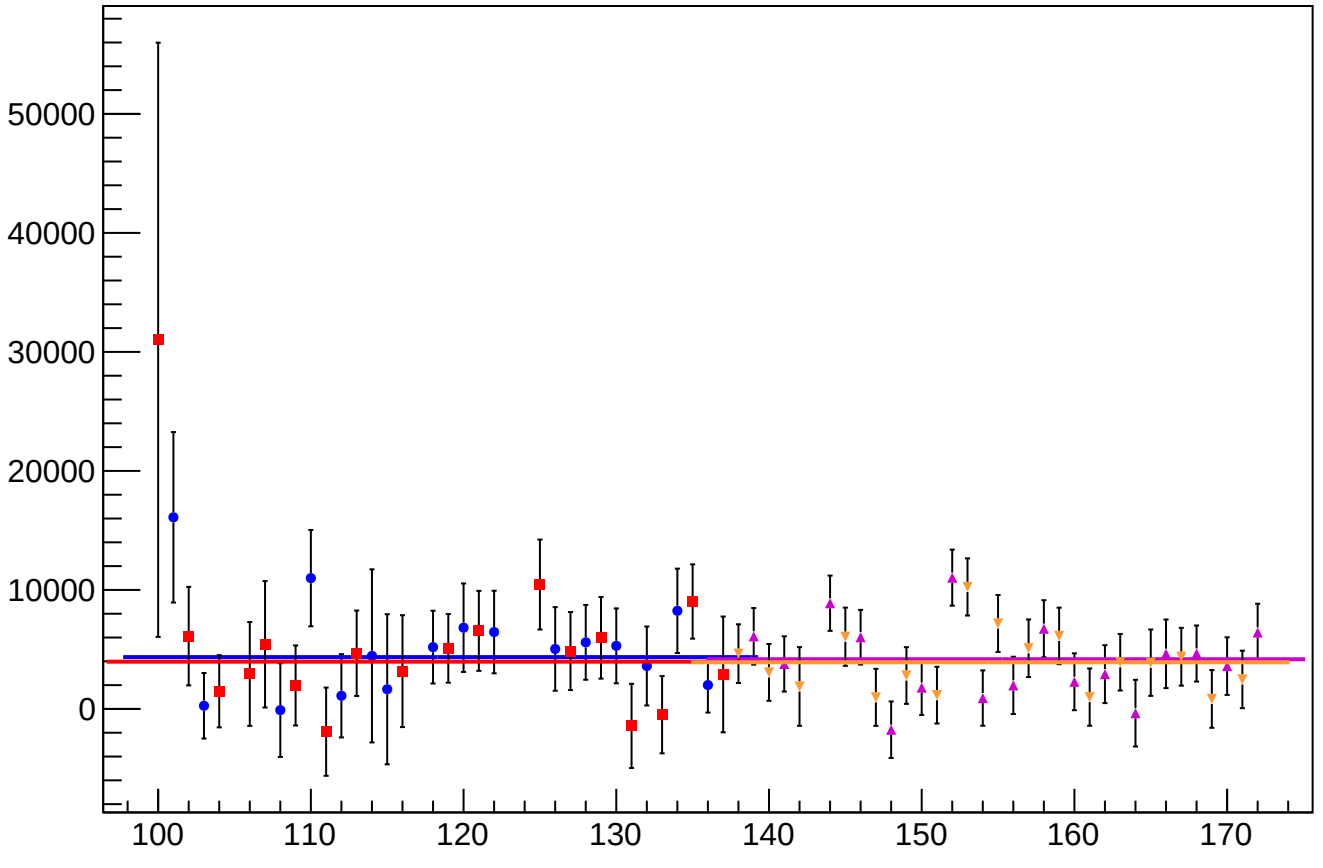
Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: 0.000+/-0.000 χ^2/NDF:39.5/32

Out: -0.000+/-0.000 χ^2/NDF:44.7/36

All: 0.000+/-0.000 χ^2/NDF: 84.7/69


asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3113213.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1413937.0/17
Right Out: 0.000+/-0.000 χ²/NDF: 2732977.9/18
Left In: 0.000+/-0.000 χ²/NDF:1693588.6/16
Left: 0.000+/-0.000 χ²/NDF: 3123500.7/34
Right: 0.000+/-0.000 χ²/NDF: 5846702.2/34
In: 0.000+/-0.000 χ²/NDF:4969792.6/32
Out: 0.000+/-0.000 χ²/NDF:4355971.4/36
All: 0.000+/-0.000 χ²/NDF: 9342779.6/69



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3922.192+/-596.480 χ^2/NDF:17.8/16

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 4175.577+/-584.201 χ^2/NDF:29.6/16

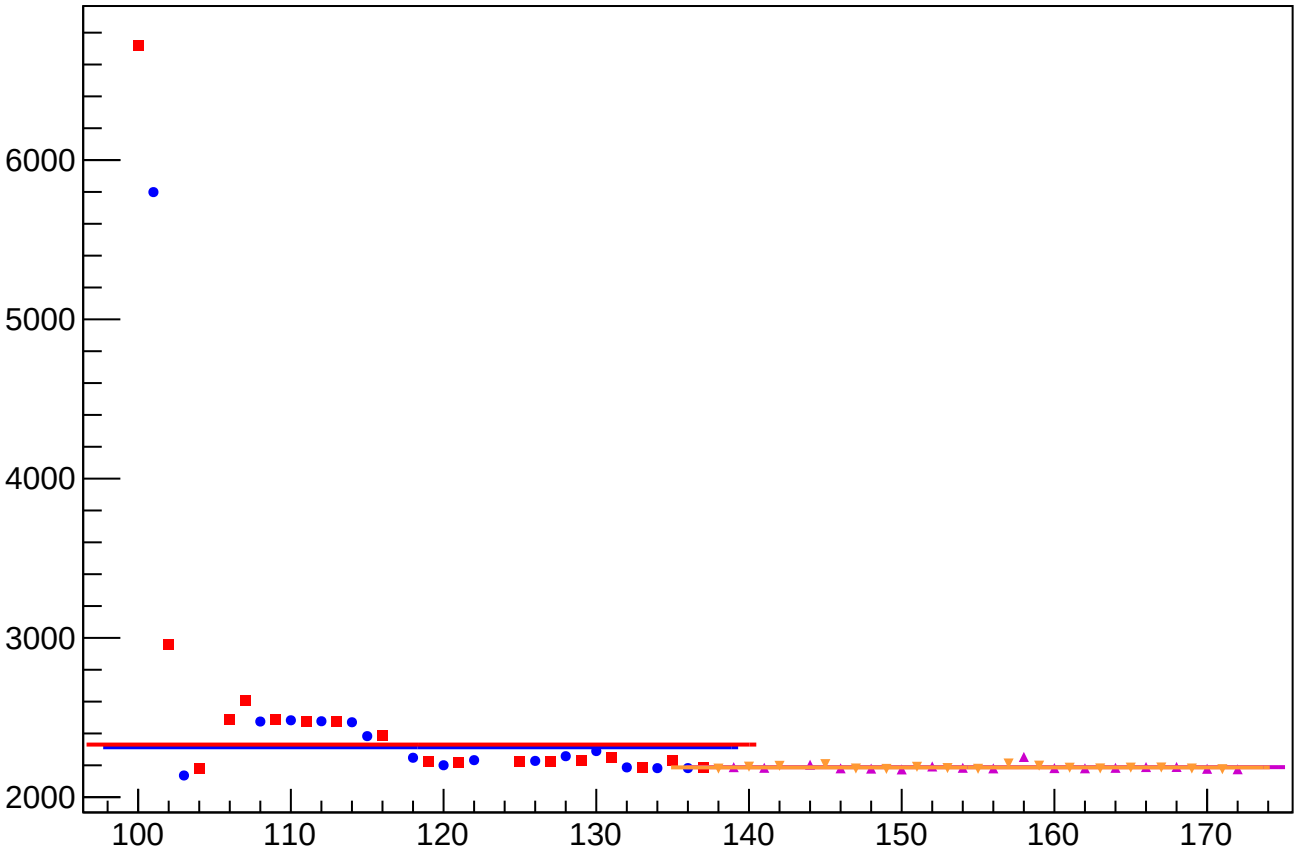
Left: 4051.520+/-417.366 χ^2/NDF: 47.6/33

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4230.684+/-485.889 χ^2/NDF:43.0/32

Out: 3937.984+/-492.194 χ^2/NDF:34.0/34

All: 4086.221+/-345.783 χ^2/NDF: 77.2/67



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2186.956+/-0.422 χ^2/NDF:593.7/16

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2188.539+/-0.413 χ^2/NDF:1808.3/16

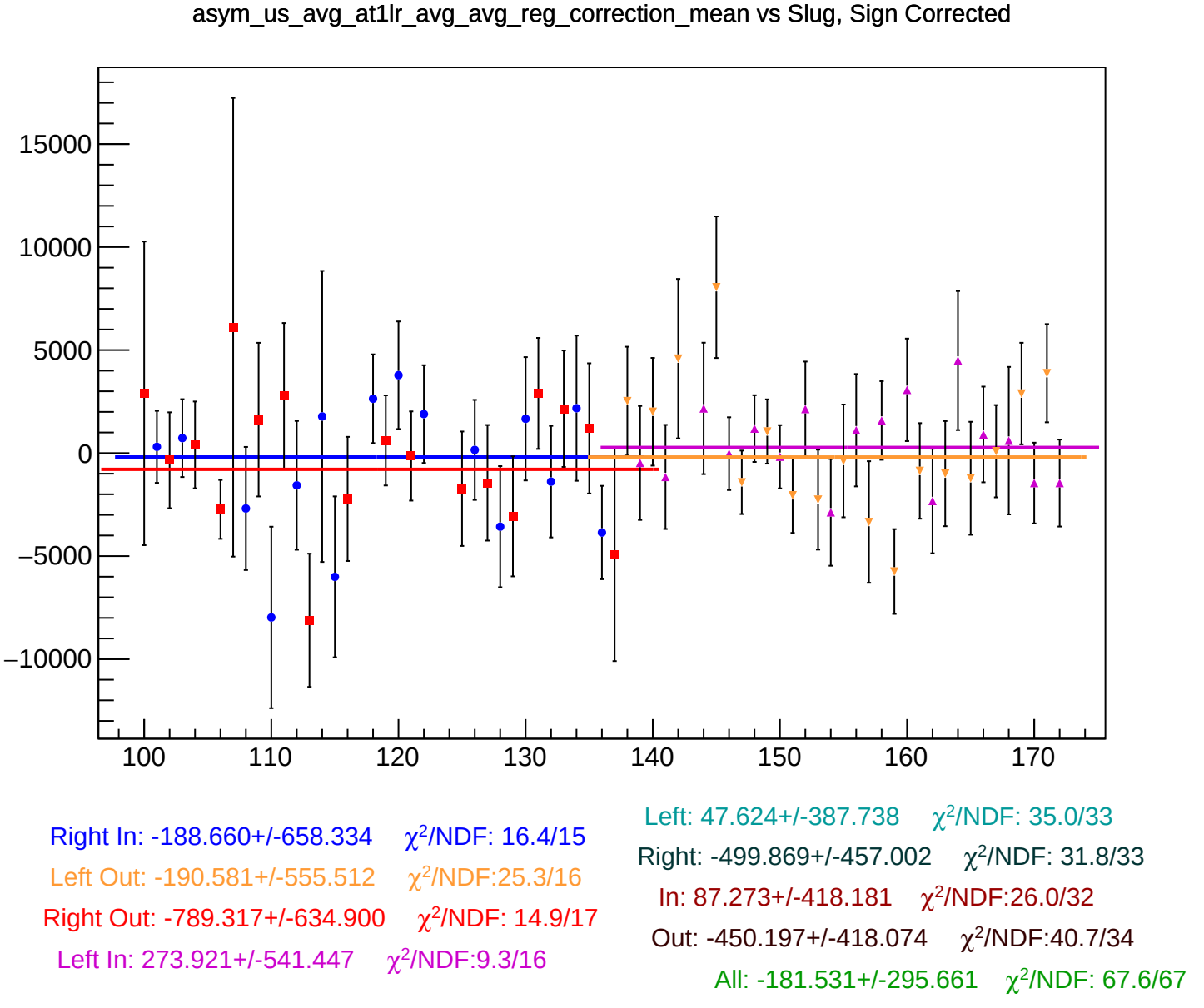
Left: 2187.764+/-0.295 χ^2/NDF: 2409.1/33

Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

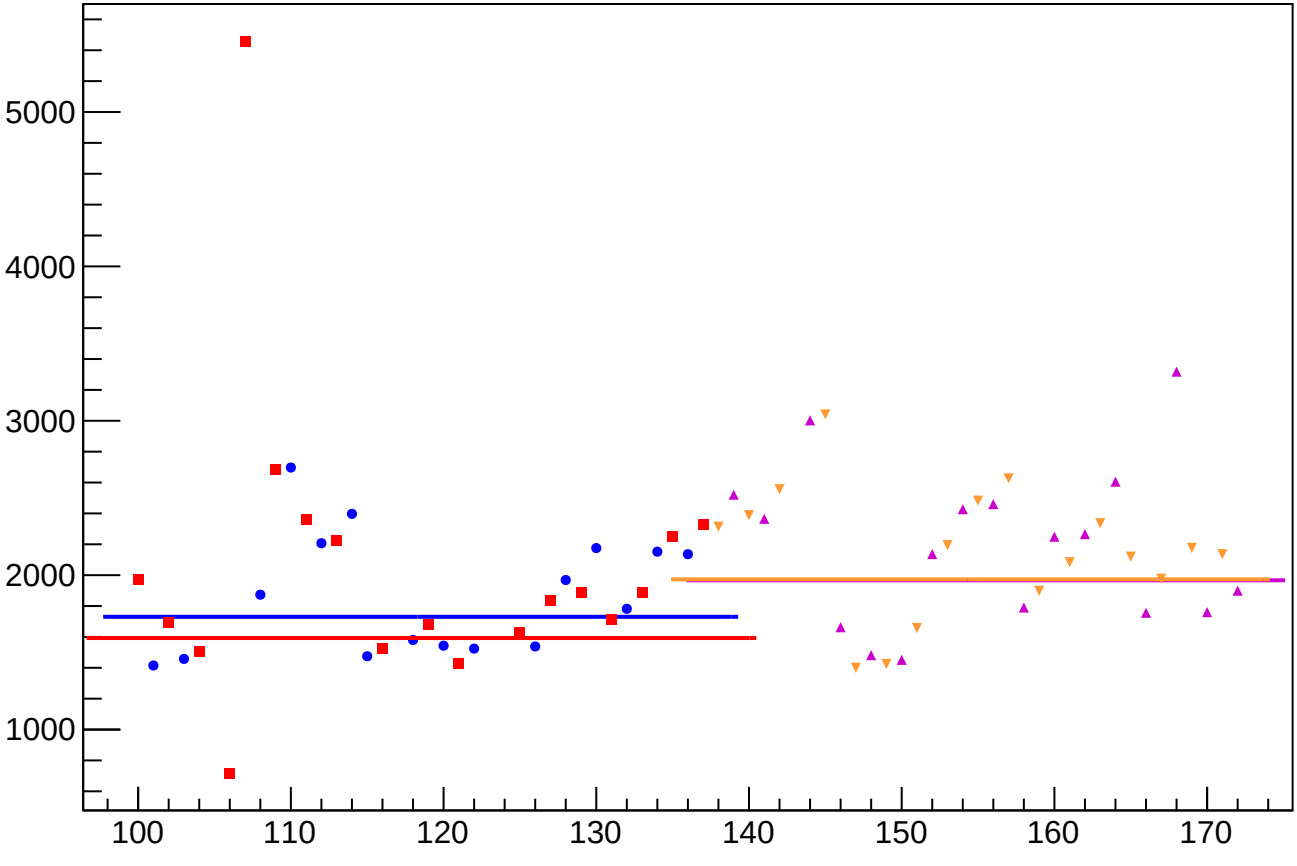
In: 2227.031+/-0.344 χ^2/NDF:542348.1/32

Out: 2232.666+/-0.348 χ^2/NDF:188611.2/34

All: 2229.812+/-0.245 χ^2/NDF: 731092.0/67


asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -188.660+/-658.334 χ²/NDF: 16.4/15
Left Out: -190.581+/-555.512 χ²/NDF:25.3/16
Right Out: -789.317+/-634.900 χ²/NDF: 14.9/17
Left In: 273.921+/-541.447 χ²/NDF:9.3/16
Left: 47.624+/-387.738 χ²/NDF: 35.0/33
Right: -499.869+/-457.002 χ²/NDF: 31.8/33
In: 87.273+/-418.181 χ²/NDF:26.0/32
Out: -450.197+/-418.074 χ²/NDF:40.7/34
All: -181.531+/-295.661 χ²/NDF: 67.6/67

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1730.288+/-0.466 χ^2/NDF: 478932.0/15

Left Out: 1973.176+/-0.393 χ^2/NDF:1166219.4/16

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1966.810+/-0.383 χ^2/NDF:1412561.6/16

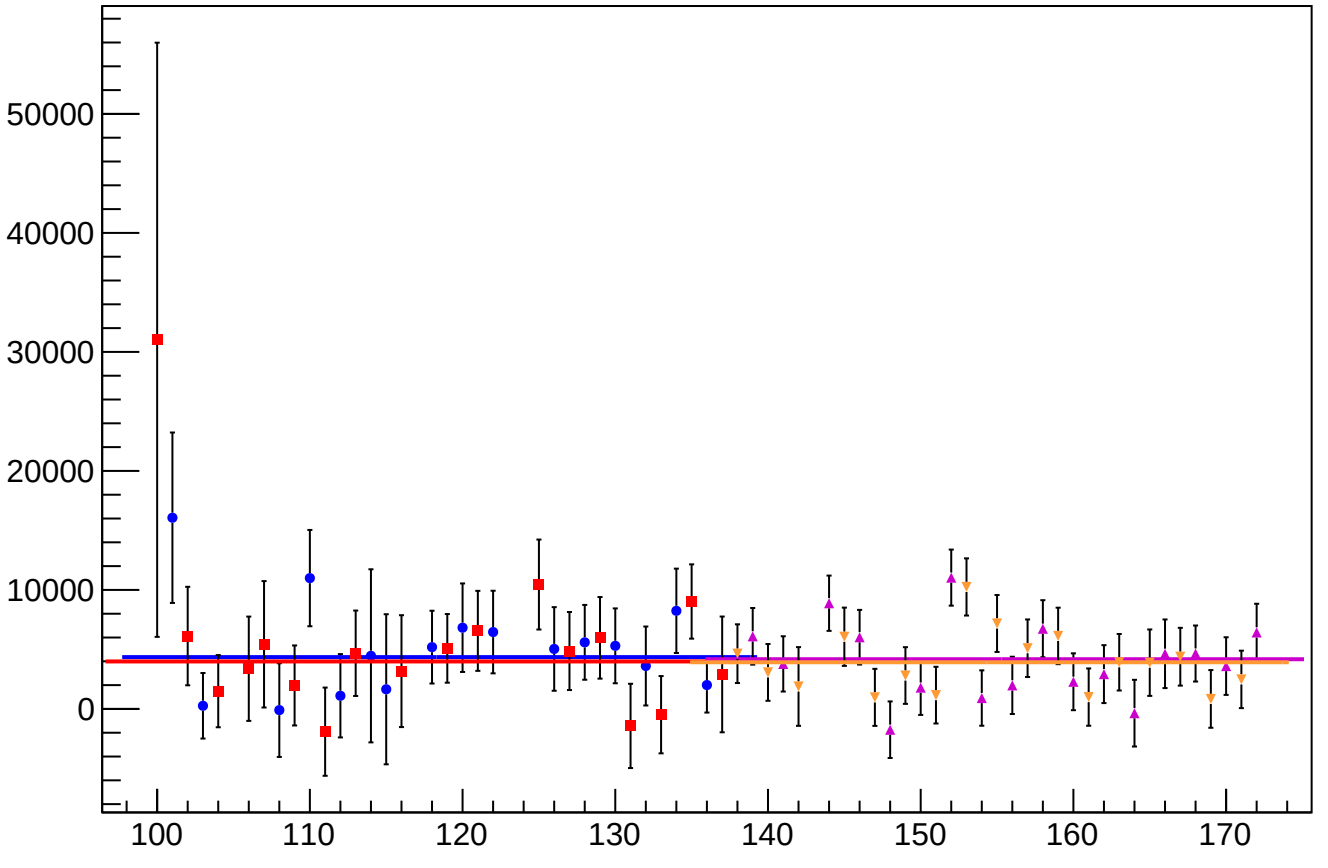
Left: 1969.911+/-0.274 χ^2/NDF: 2578915.6/33

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1871.375+/-0.296 χ^2/NDF:2045485.8/32

Out: 1808.253+/-0.296 χ^2/NDF:3128969.5/34

All: 1839.806+/-0.209 χ^2/NDF: 5197245.2/67



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3922.121+/-596.480 χ^2/NDF:17.8/16

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4175.662+/-584.201 χ^2/NDF:29.6/16

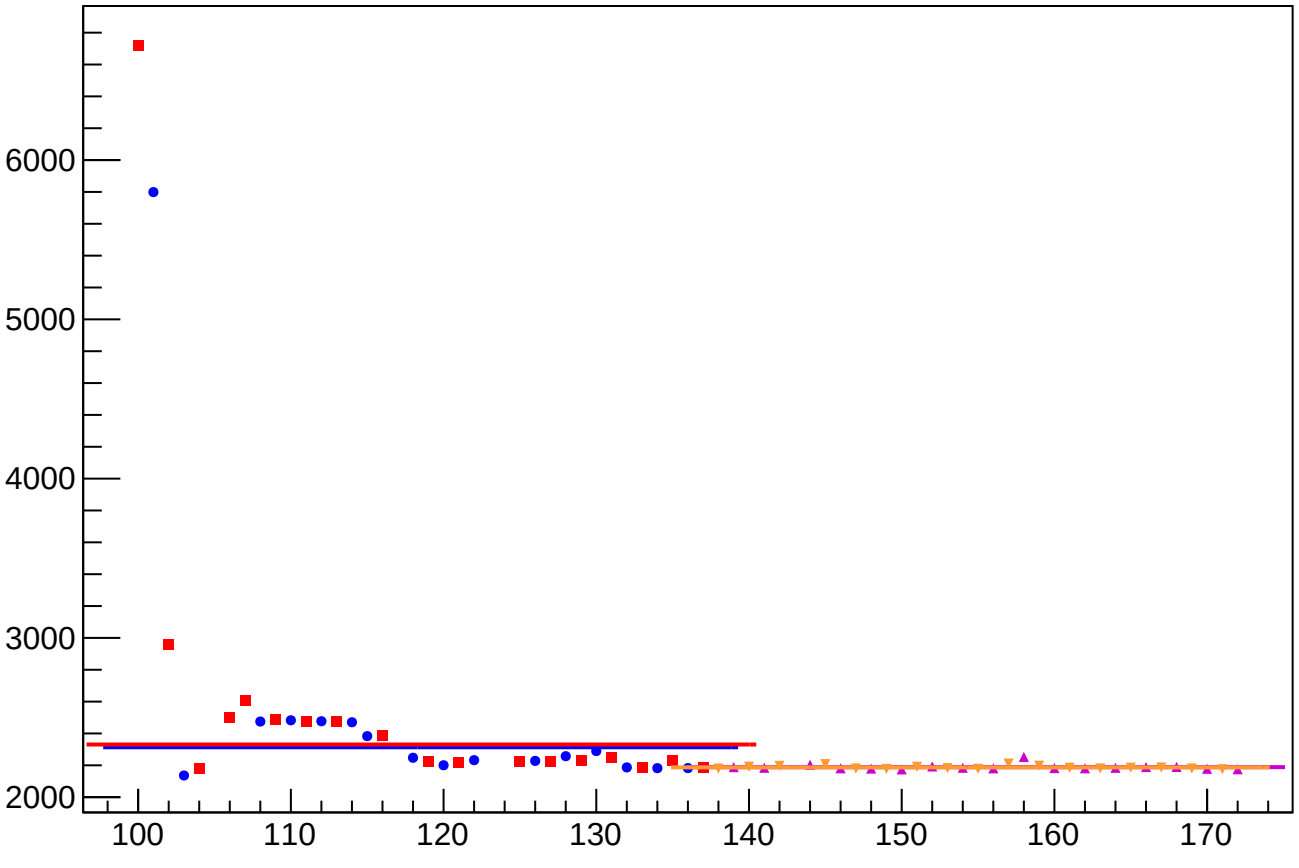
Left: 4051.528+/-417.366 χ^2/NDF: 47.6/33

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4230.533+/-485.889 χ^2/NDF:43.0/32

Out: 3943.740+/-492.221 χ^2/NDF:34.0/34

All: 4088.993+/-345.792 χ^2/NDF: 77.2/67



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.956+/-0.422 χ^2/NDF:593.7/16

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2188.539+/-0.413 χ^2/NDF:1808.3/16

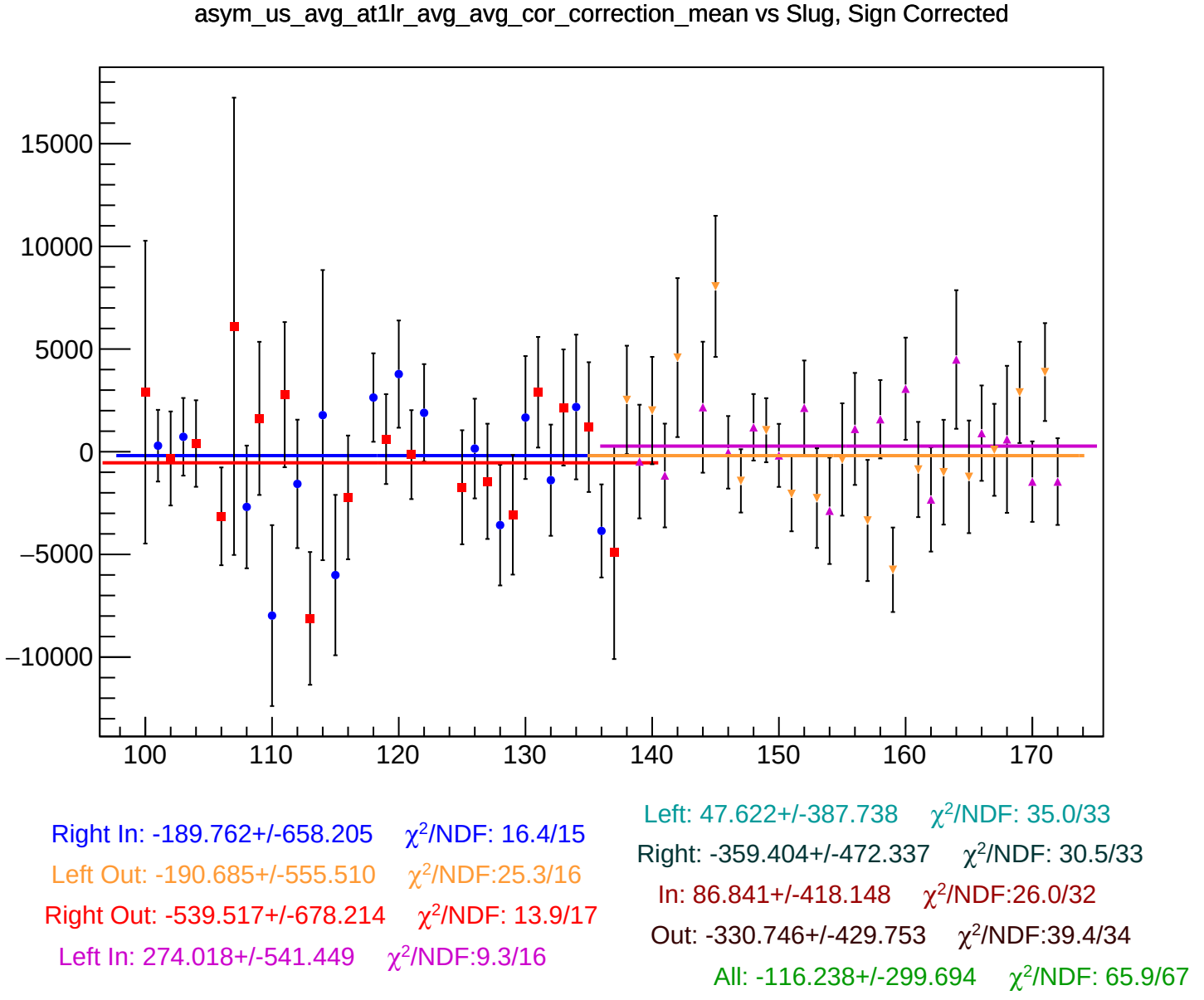
Left: 2187.764+/-0.295 χ^2/NDF: 2409.1/33

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2227.031+/-0.344 χ^2/NDF:542348.5/32

Out: 2232.773+/-0.348 χ^2/NDF:189138.6/34

All: 2229.865+/-0.245 χ^2/NDF: 731624.9/67


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
15000
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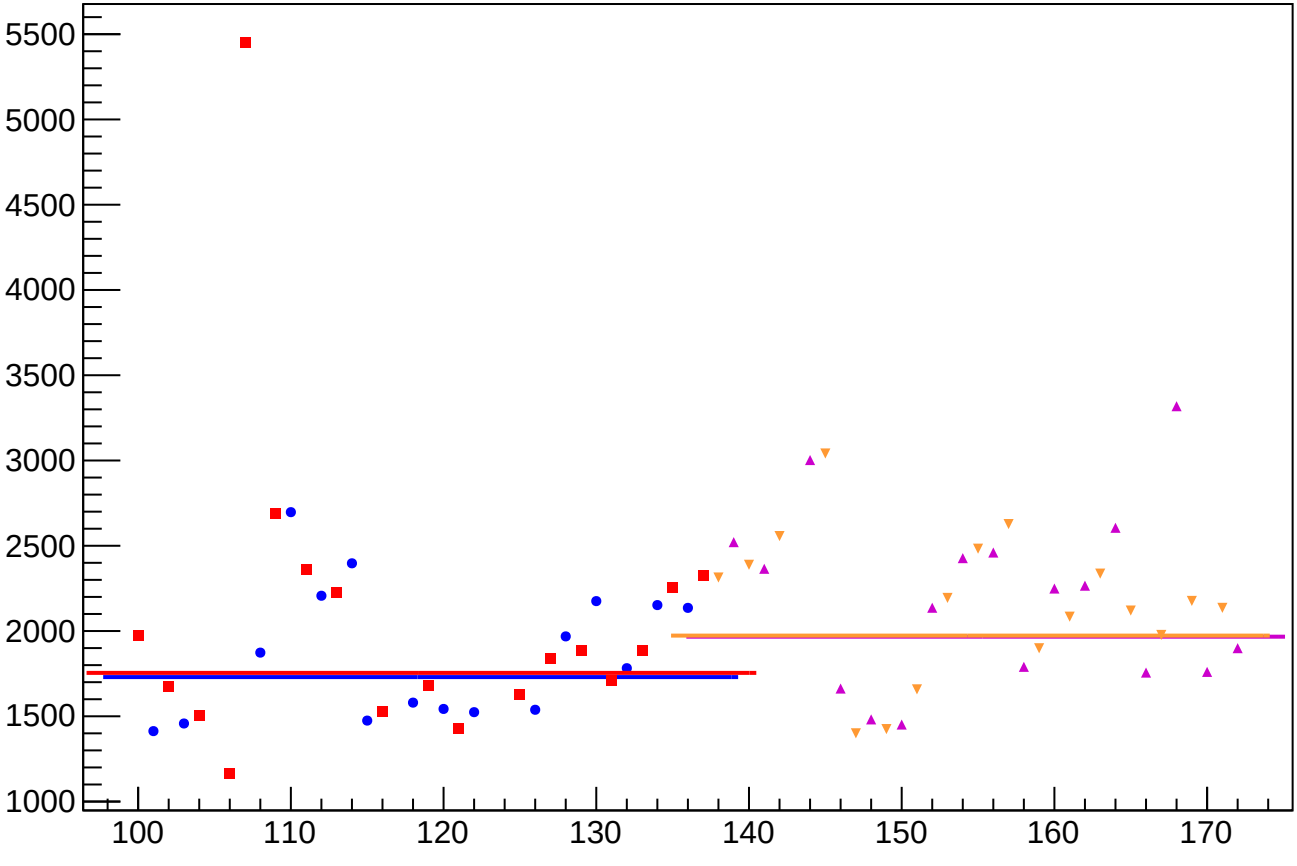
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -190.685+/-555.510 χ²/NDF:25.3/16
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 274.018+/-541.449 χ²/NDF:9.3/16
Left: 47.622+/-387.738 χ²/NDF: 35.0/33
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 86.841+/-418.148 χ²/NDF:26.0/32
Out: -330.746+/-429.753 χ²/NDF:39.4/34
All: -116.238+/-299.694 χ²/NDF: 65.9/67

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: 1973.170+/-0.393 χ^2/NDF:1166259.1/16

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1966.815+/-0.383 χ^2/NDF:1412584.5/16

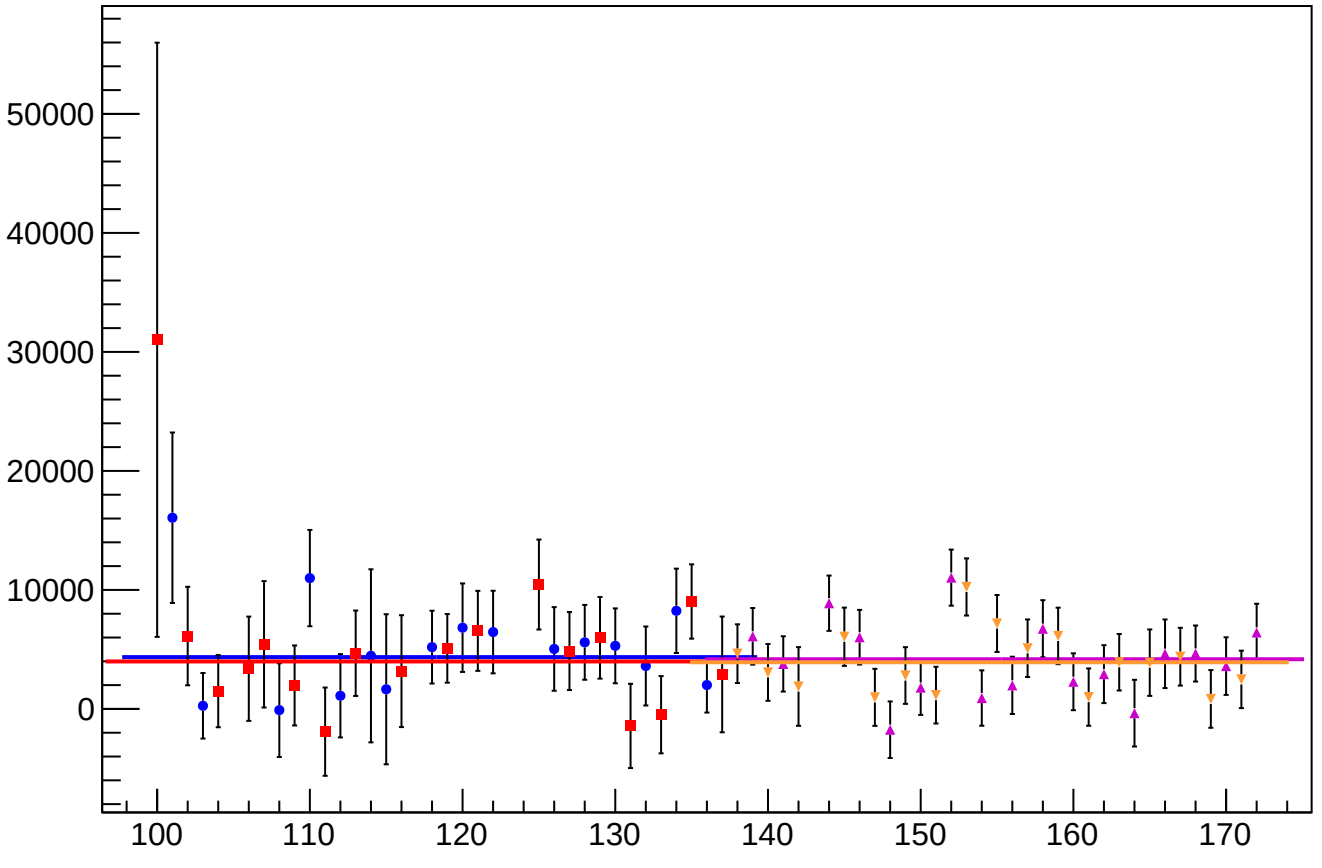
Left: 1969.911+/-0.274 χ^2/NDF: 2578977.8/33

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1871.198+/-0.296 χ^2/NDF:2047023.9/32

Out: 1885.381+/-0.304 χ^2/NDF:2041669.8/34

All: 1878.096+/-0.212 χ^2/NDF: 4089812.7/67



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3922.121+/-596.480 χ^2/NDF:17.8/16

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4175.662+/-584.201 χ^2/NDF:29.6/16

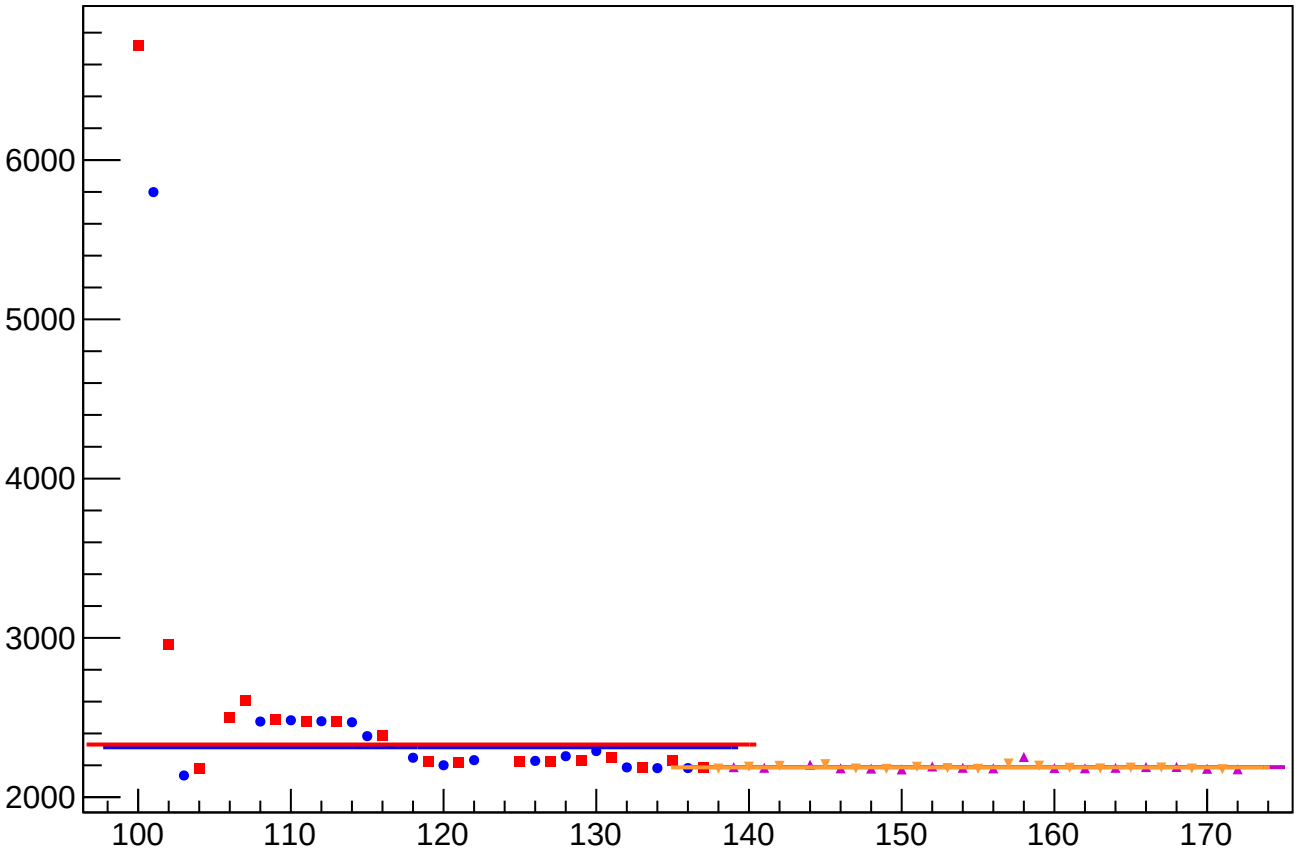
Left: 4051.528+/-417.366 χ^2/NDF: 47.6/33

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4230.533+/-485.889 χ^2/NDF:43.0/32

Out: 3943.740+/-492.221 χ^2/NDF:34.0/34

All: 4088.993+/-345.792 χ^2/NDF: 77.2/67



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.956+/-0.422 χ^2/NDF:593.7/16

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2188.539+/-0.413 χ^2/NDF:1808.3/16

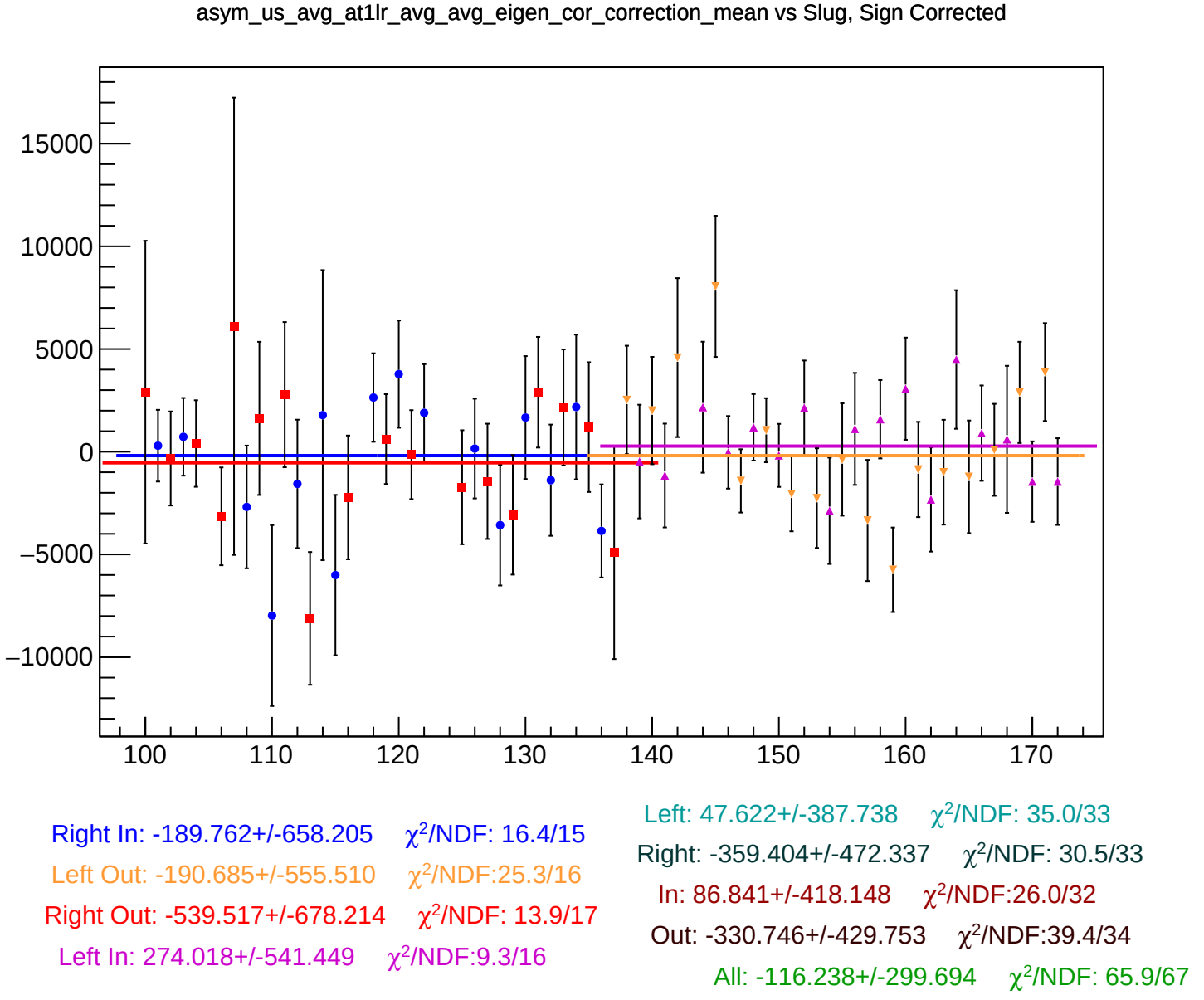
Left: 2187.764+/-0.295 χ^2/NDF: 2409.1/33

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

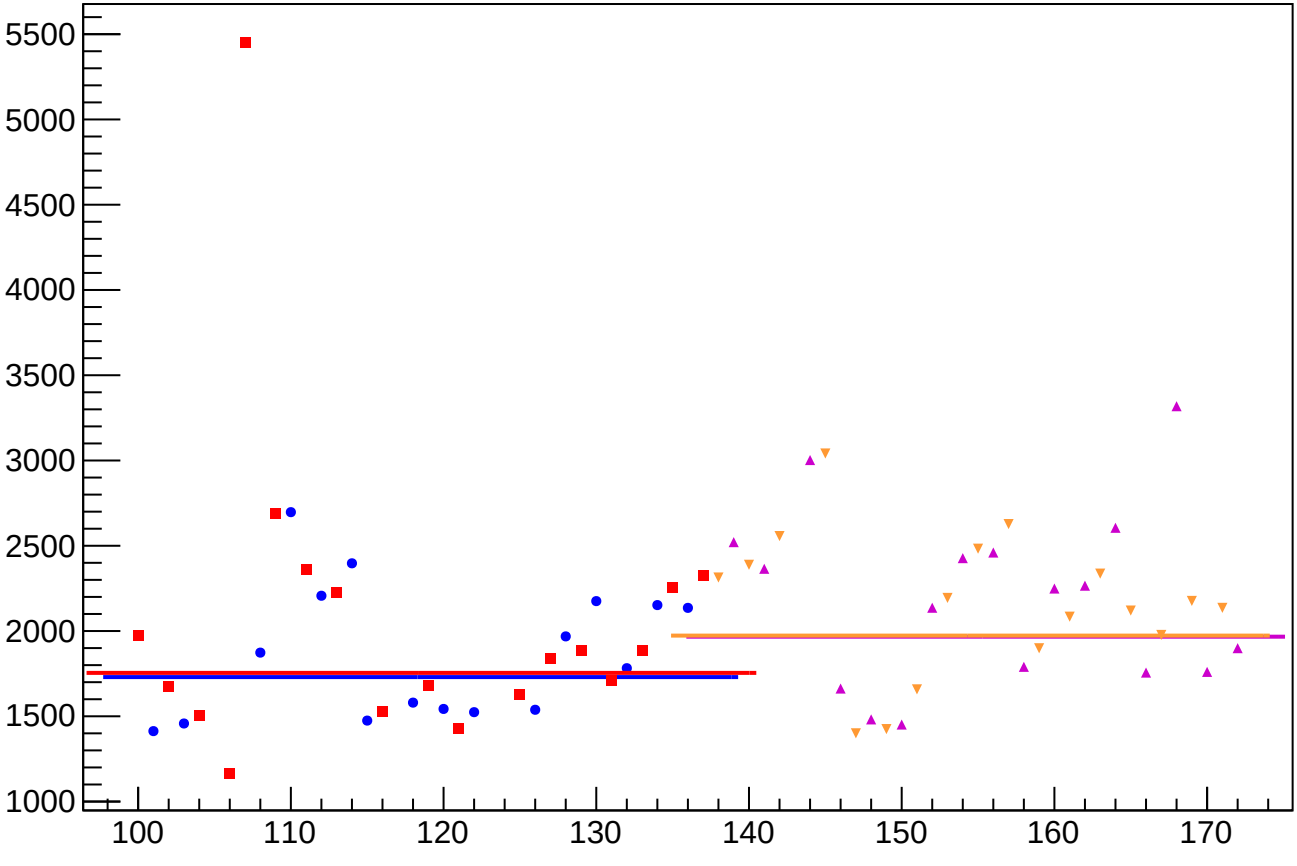
In: 2227.031+/-0.344 χ^2/NDF:542348.5/32

Out: 2232.773+/-0.348 χ^2/NDF:189138.6/34

All: 2229.865+/-0.245 χ^2/NDF: 731624.9/67


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -190.685+/-555.510 χ²/NDF:25.3/16
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 274.018+/-541.449 χ²/NDF:9.3/16
Left: 47.622+/-387.738 χ²/NDF: 35.0/33
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 86.841+/-418.148 χ²/NDF:26.0/32
Out: -330.746+/-429.753 χ²/NDF:39.4/34
All: -116.238+/-299.694 χ²/NDF: 65.9/67

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1973.170+/-0.393 χ^2/NDF:1166259.1/16

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: 1969.911+/-0.274 χ^2/NDF: 2578977.8/33

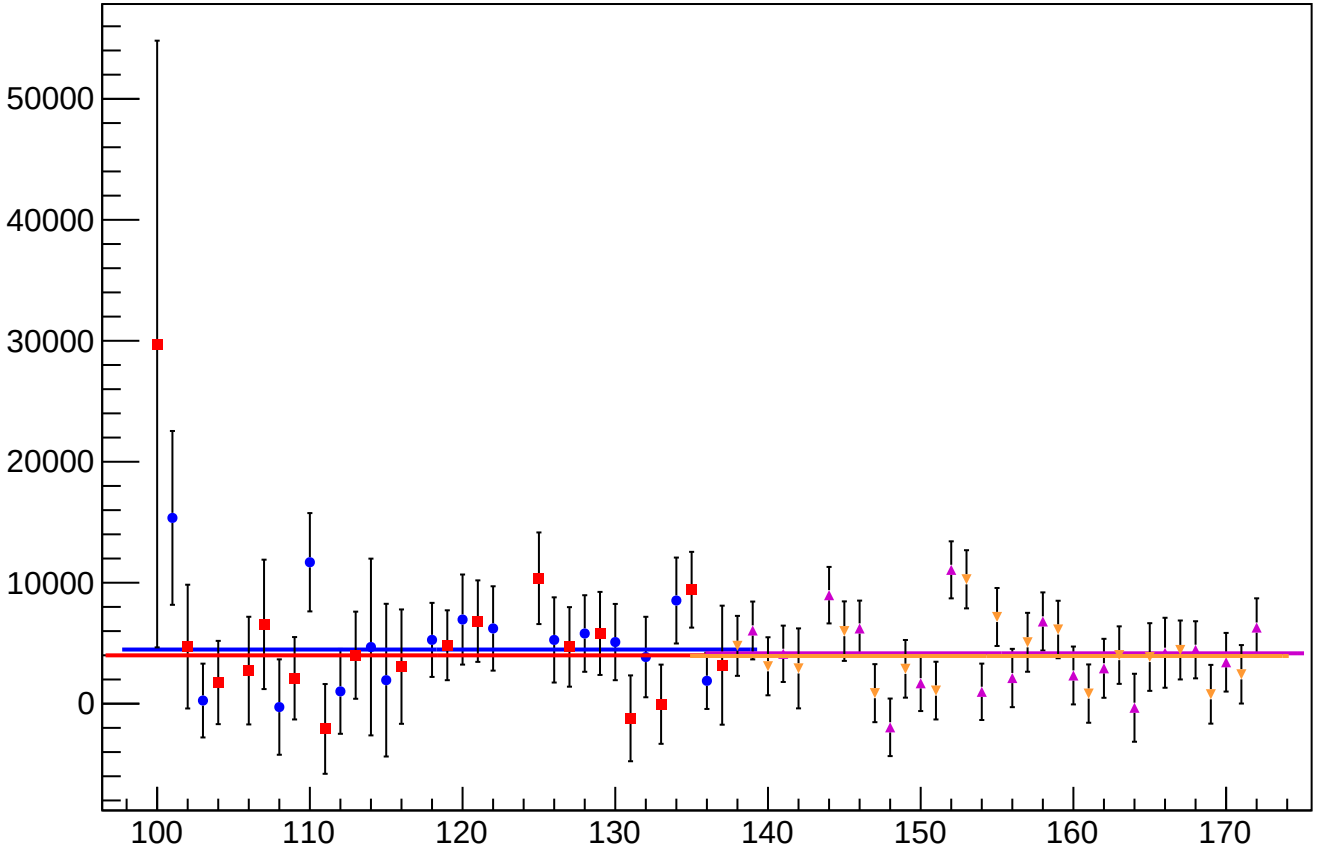
Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1871.198+/-0.296 χ^2/NDF:2047023.9/32

Out: 1885.381+/-0.304 χ^2/NDF:2041669.8/34

All: 1878.096+/-0.212 χ^2/NDF: 4089812.7/67

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: 3943.698+/-597.912 χ^2/NDF:17.9/16

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 4164.094+/-585.512 χ^2/NDF:30.1/16

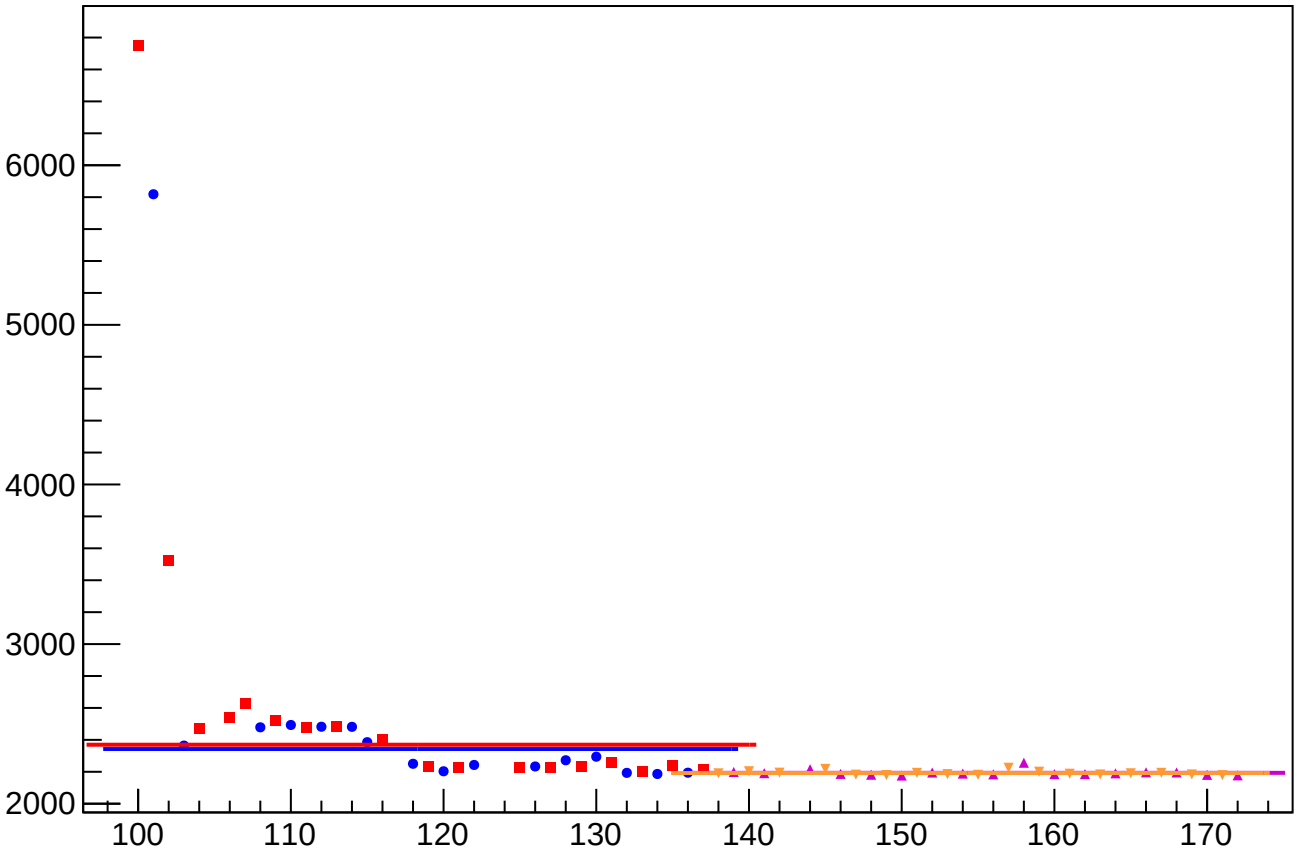
Left: 4056.205+/-418.335 χ^2/NDF: 48.1/33

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4259.022+/-488.498 χ^2/NDF:43.7/32

Out: 3959.891+/-496.387 χ^2/NDF:33.4/34

All: 4111.853+/-348.176 χ^2/NDF: 77.3/67



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2192.105+/-0.423 χ^2/NDF:938.9/16

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: 2192.761+/-0.296 χ^2/NDF: 2939.4/33

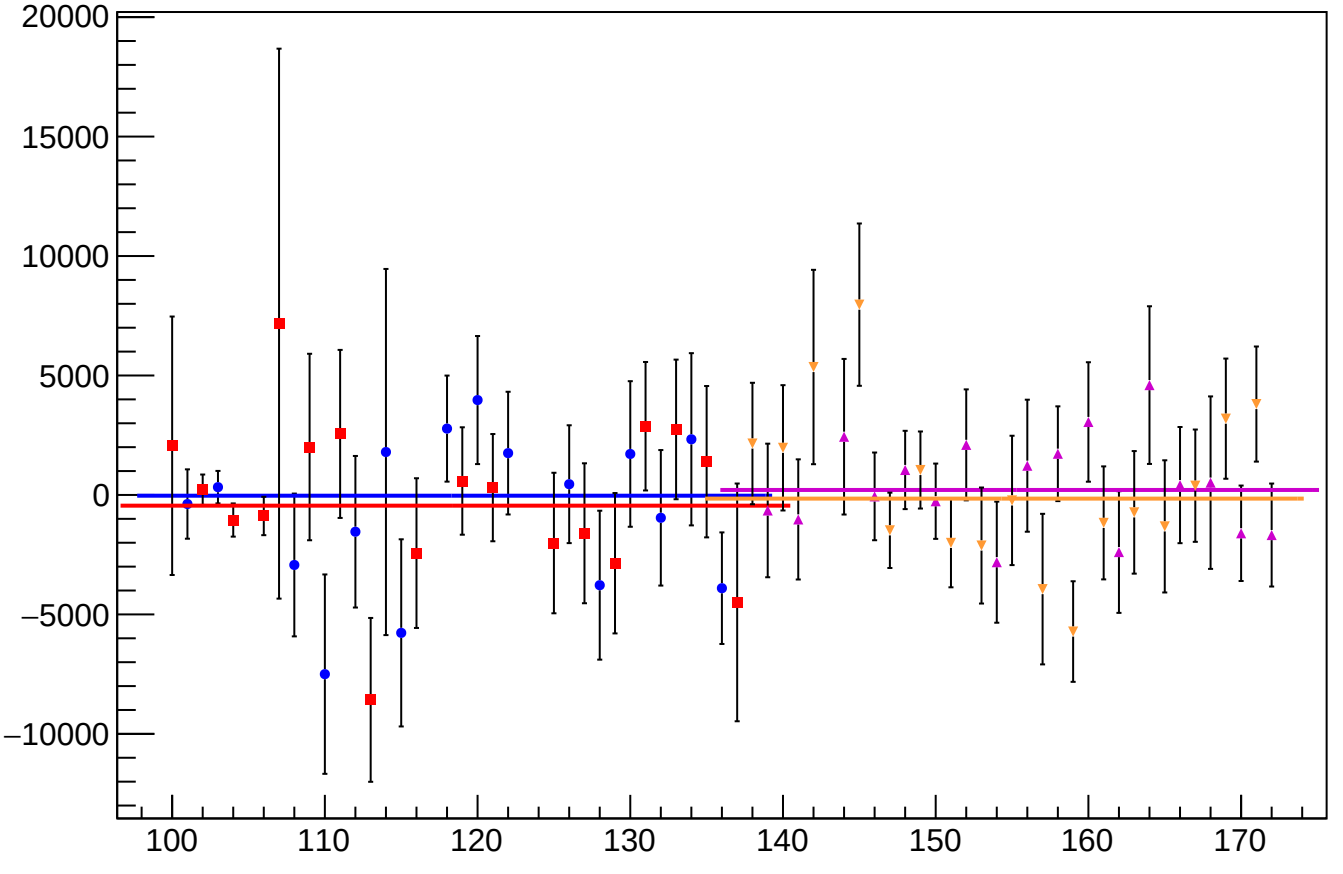
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2238.834+/-0.345 χ^2/NDF:544504.2/32

Out: 2247.256+/-0.351 χ^2/NDF:265841.8/34

All: 2242.977+/-0.246 χ^2/NDF: 810638.5/67

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: -153.265+/-565.340 χ^2/NDF:25.3/16

Right Out: -448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: 208.942+/-550.760 χ^2/NDF:9.7/16

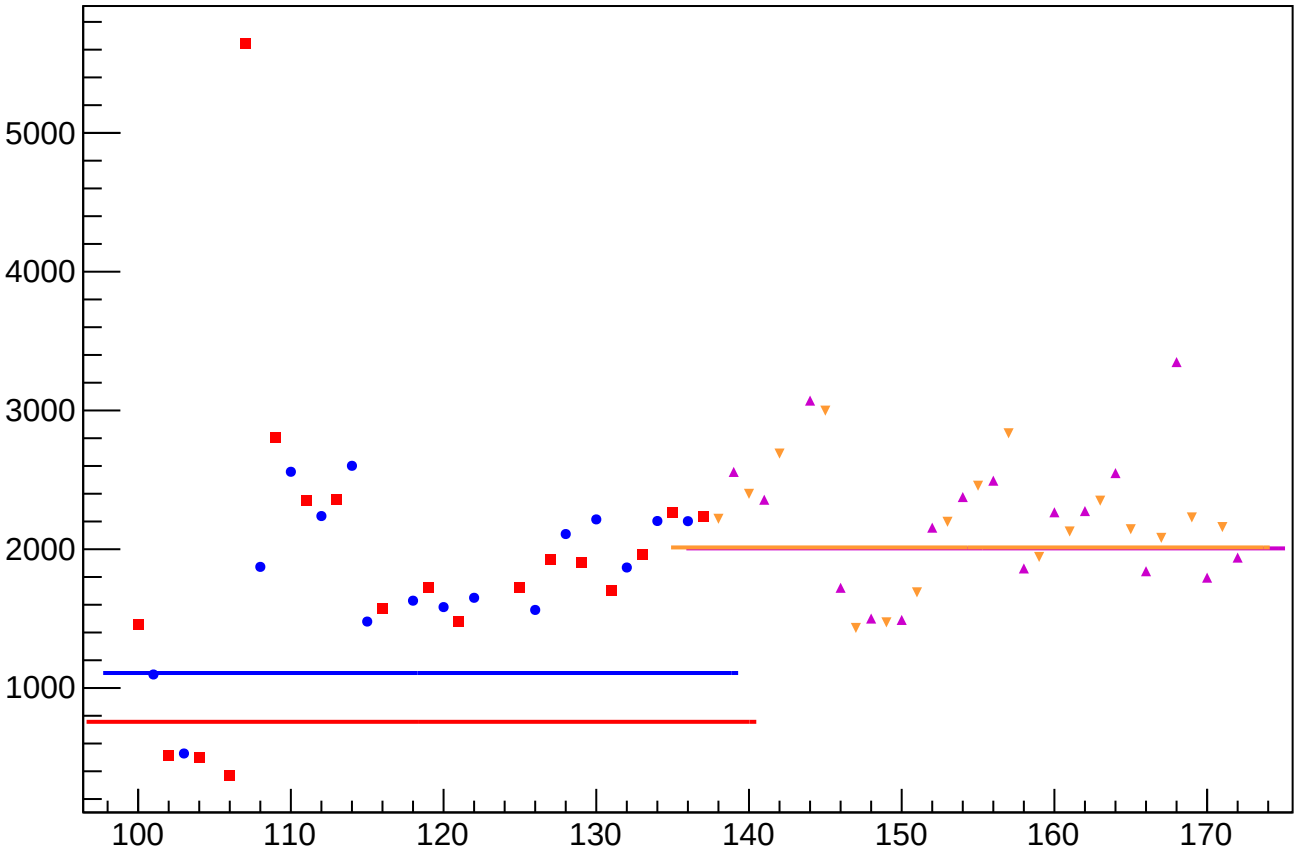
Left: 32.569+/-394.500 χ^2/NDF: 35.2/33

Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: 73.657+/-364.126 χ^2/NDF:26.1/32

Out: -362.289+/-305.198 χ^2/NDF:40.6/34

All: -182.402+/-233.903 χ^2/NDF: 67.5/67



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 2012.939+/-0.400 χ^2/NDF:1107433.2/16

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2006.119+/-0.389 χ^2/NDF:1314720.1/16

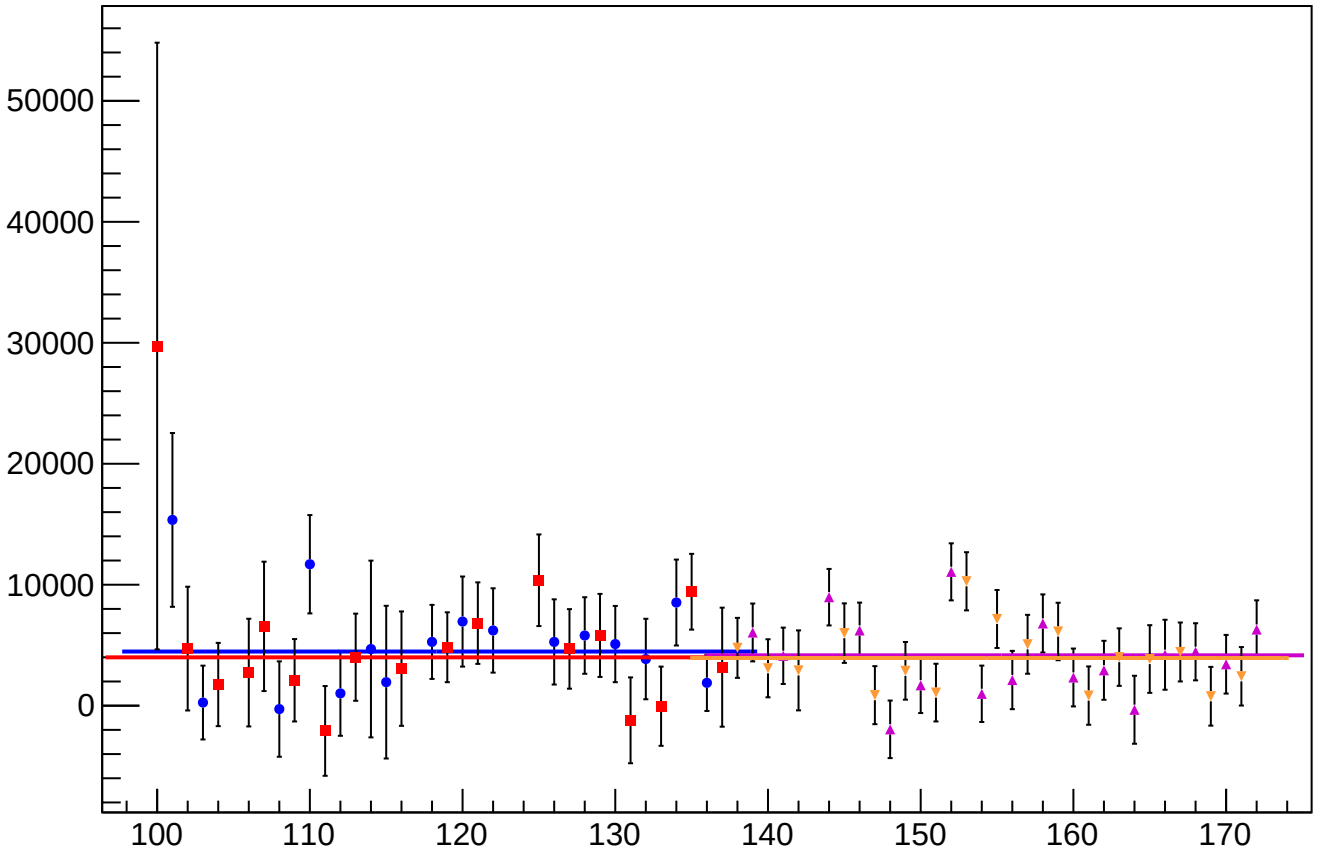
Left: 2009.440+/-0.279 χ^2/NDF: 2422302.6/33

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1500.645+/-0.257 χ^2/NDF:8053947.0/32

Out: 1122.615+/-0.216 χ^2/NDF:13711137.8/34

All: 1278.603+/-0.165 χ^2/NDF: 23031237.9/6



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3943.696+/-597.912 χ^2/NDF:17.9/16

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 4164.095+/-585.512 χ^2/NDF:30.1/16

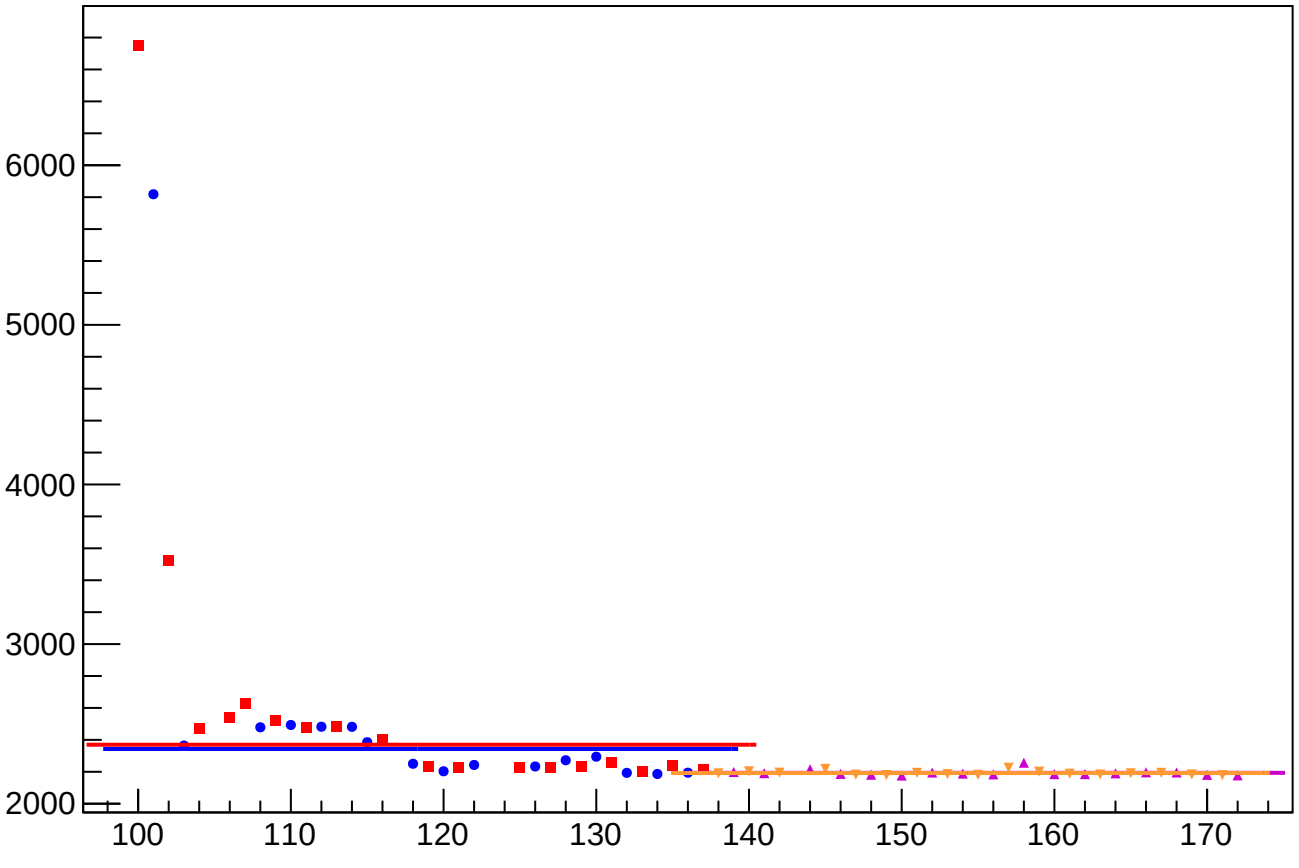
Left: 4056.205+/-418.335 χ^2/NDF: 48.1/33

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4259.022+/-488.498 χ^2/NDF:43.7/32

Out: 3959.889+/-496.387 χ^2/NDF:33.4/34

All: 4111.852+/-348.176 χ^2/NDF: 77.3/67



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2192.105+/-0.423 χ^2/NDF:938.9/16

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2193.389+/-0.414 χ^2/NDF:1995.7/16

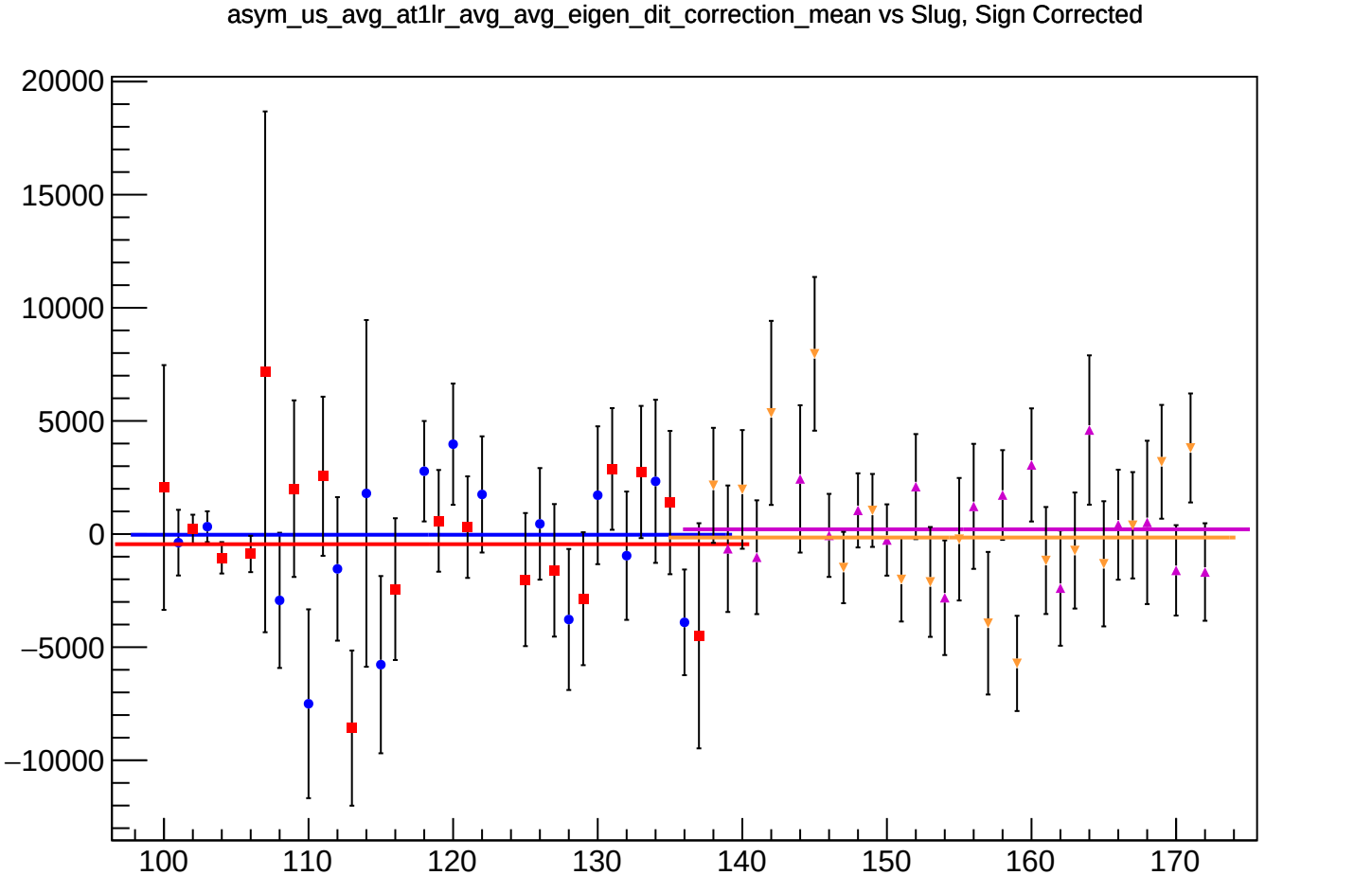
Left: 2192.761+/-0.296 χ^2/NDF: 2939.4/33

Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2238.834+/-0.345 χ^2/NDF:544503.9/32

Out: 2247.256+/-0.351 χ^2/NDF:265840.4/34

All: 2242.977+/-0.246 χ^2/NDF: 810636.8/67


asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
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−5000
−10000
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120
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140
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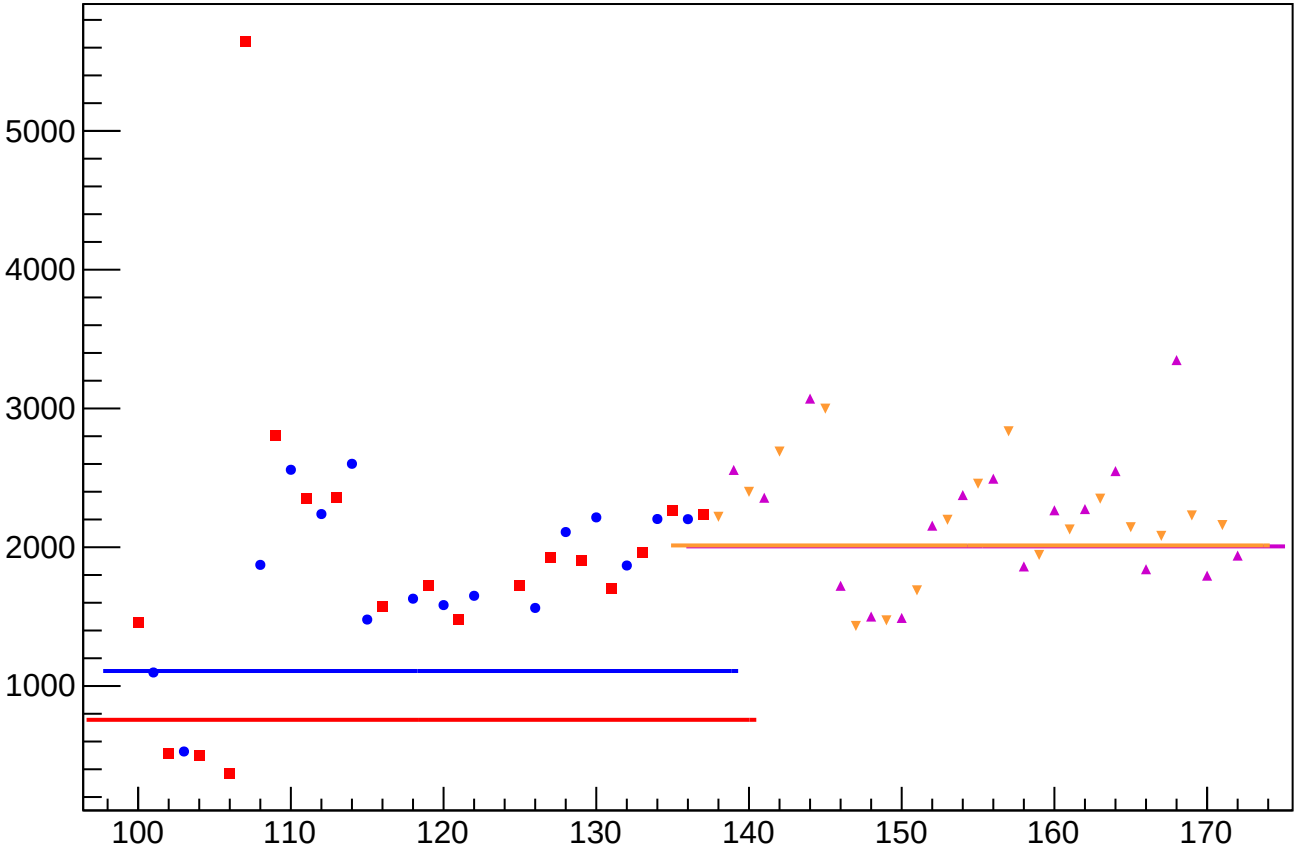
160
170
Right In: -31.400+/-485.331 χ²/NDF: 16.3/15
Left Out: -153.270+/-565.341 χ²/NDF:25.3/16
Right Out: -448.265+/-362.575 χ²/NDF: 15.1/17
Left In: 208.943+/-550.761 χ²/NDF:9.7/16
Left: 32.567+/-394.501 χ²/NDF: 35.2/33
Right: -298.945+/-290.468 χ²/NDF: 31.9/33
In: 73.654+/-364.128 χ²/NDF:26.1/32
Out: -362.291+/-305.201 χ²/NDF:40.6/34
All: -182.403+/-233.904 χ²/NDF: 67.5/67

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: 2012.942+/-0.400 χ^2/NDF:1107433.3/16

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2006.123+/-0.389 χ^2/NDF:1314719.2/16

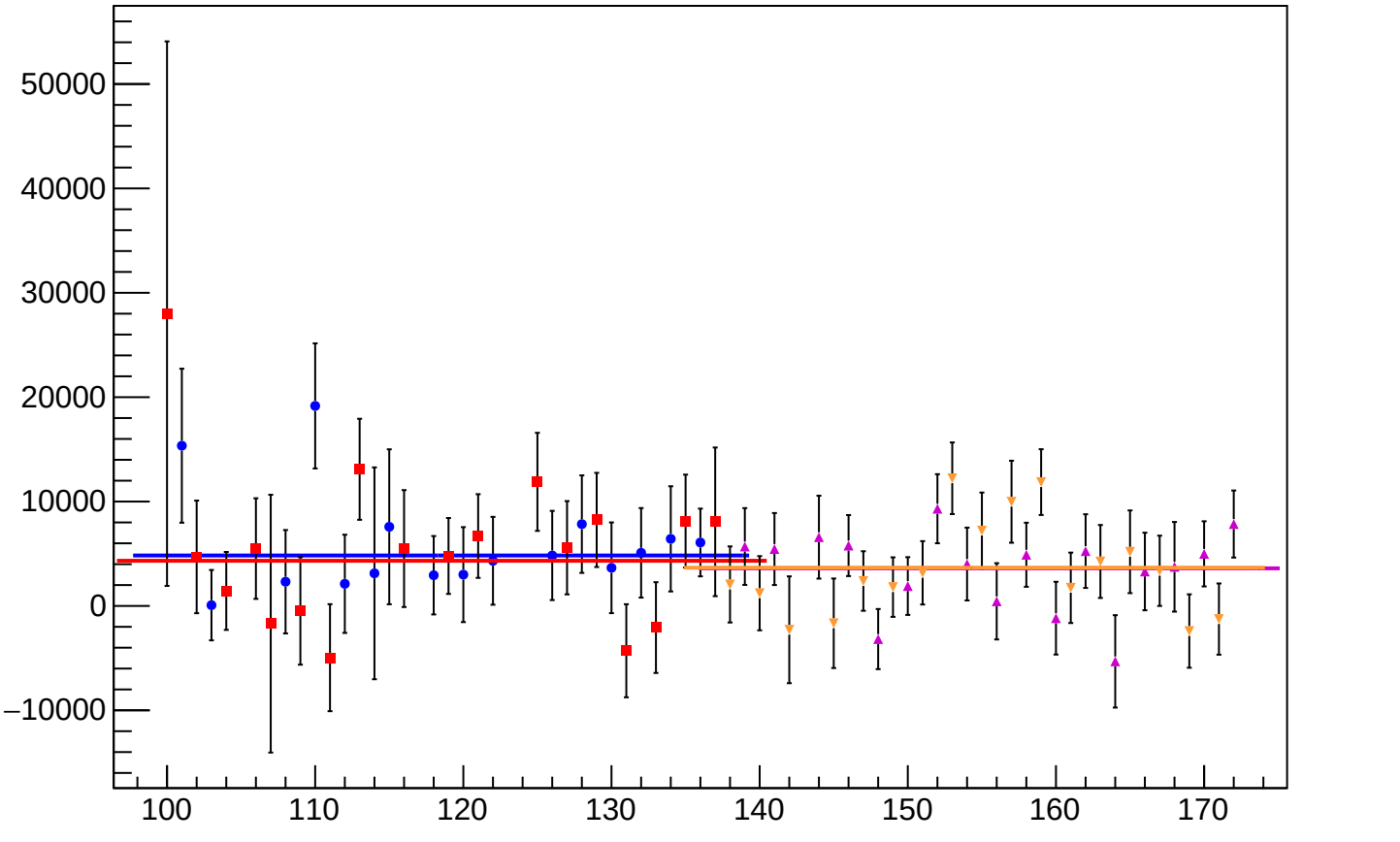
Left: 2009.443+/-0.279 χ^2/NDF: 2422301.9/33

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1500.653+/-0.257 χ^2/NDF:8053810.2/32

Out: 1122.632+/-0.216 χ^2/NDF:13710821.0/34

All: 1278.618+/-0.165 χ^2/NDF: 23030708.8/6



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3661.901+/-840.406 χ^2/NDF:26.3/16

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: 3630.854+/-587.209 χ^2/NDF: 46.0/33

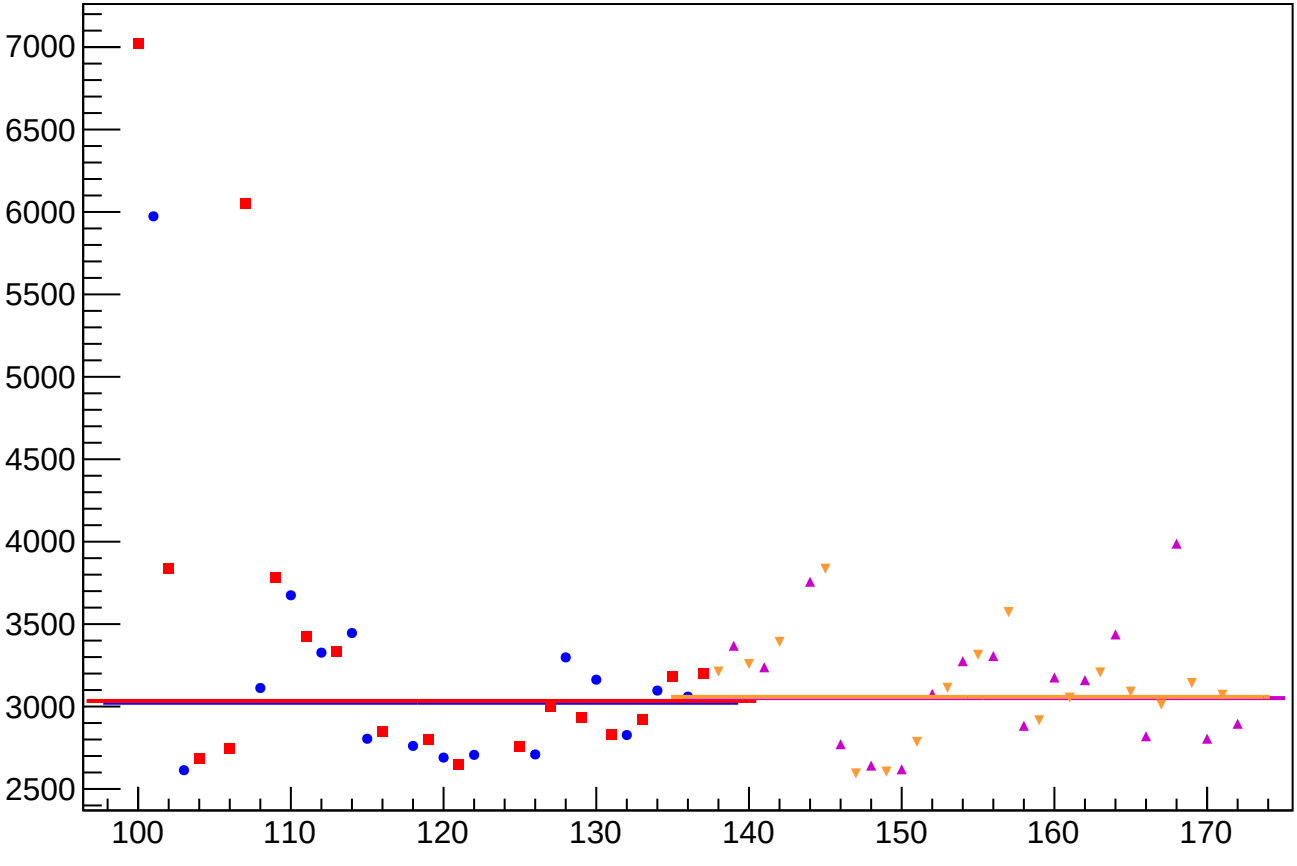
Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 4020.833+/-666.622 χ^2/NDF:32.1/32

Out: 3895.442+/-677.404 χ^2/NDF:46.5/34

All: 3959.143+/-475.139 χ^2/NDF: 78.6/67

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: 3058.671+/-0.594 χ^2/NDF:257800.2/16

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: 3054.840+/-0.415 χ^2/NDF: 613120.3/33

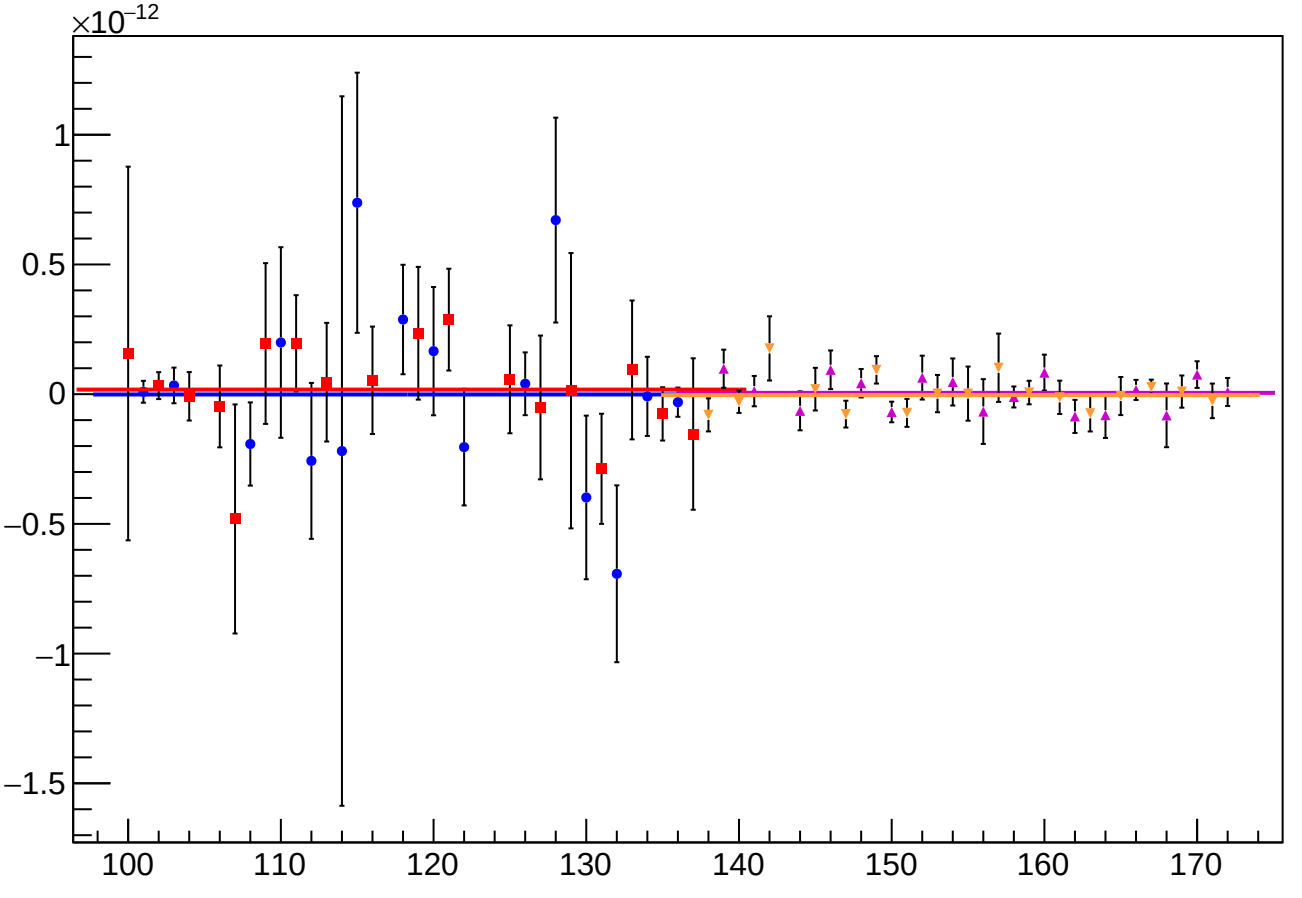
Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3041.614+/-0.471 χ^2/NDF:799743.6/32

Out: 3049.983+/-0.479 χ^2/NDF:601085.1/34

All: 3045.731+/-0.336 χ^2/NDF: 1400983.8/67

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:14.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:15.7/16

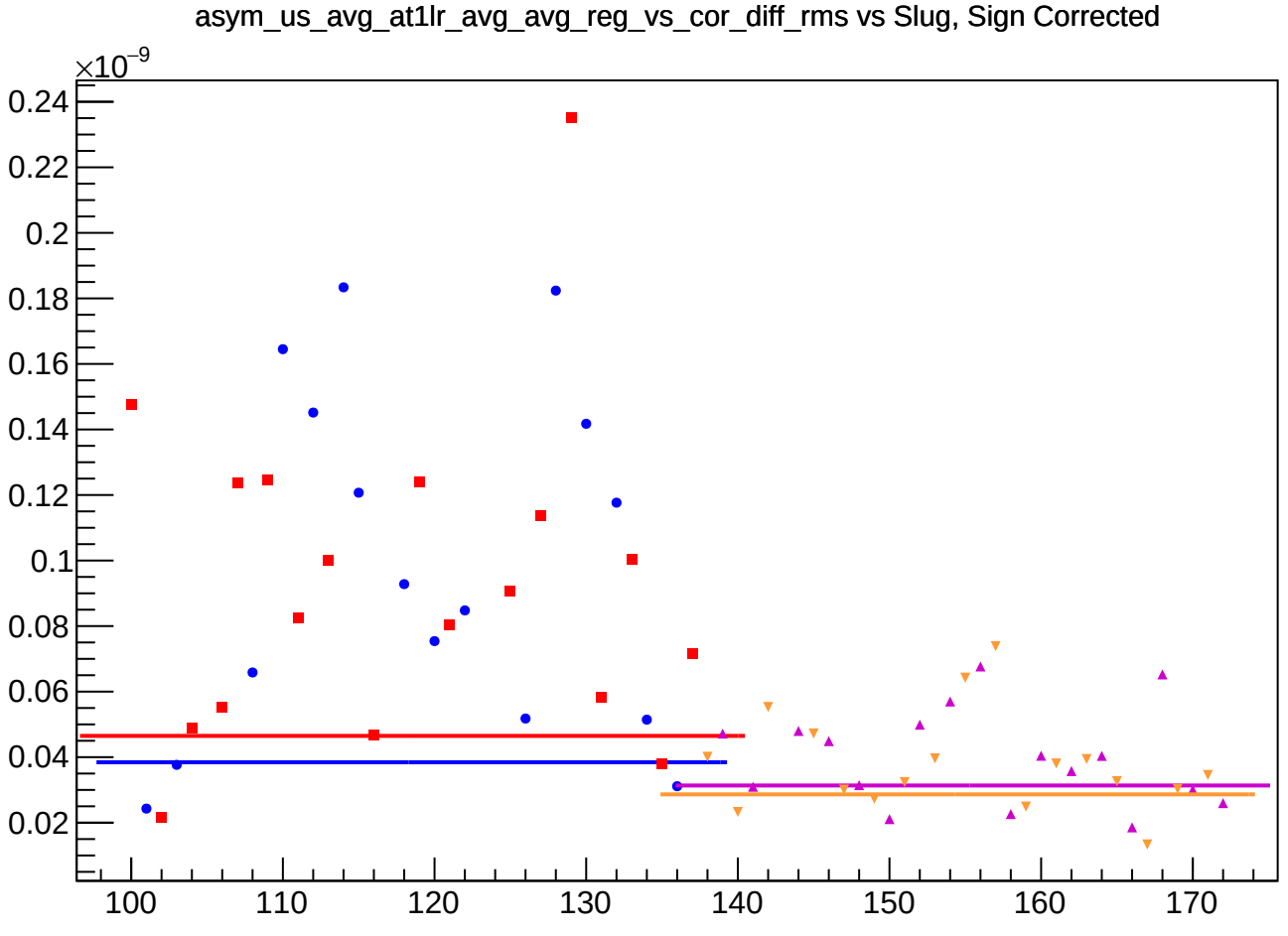
Left: 0.000+/-0.000 χ^2/NDF: 30.0/33

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

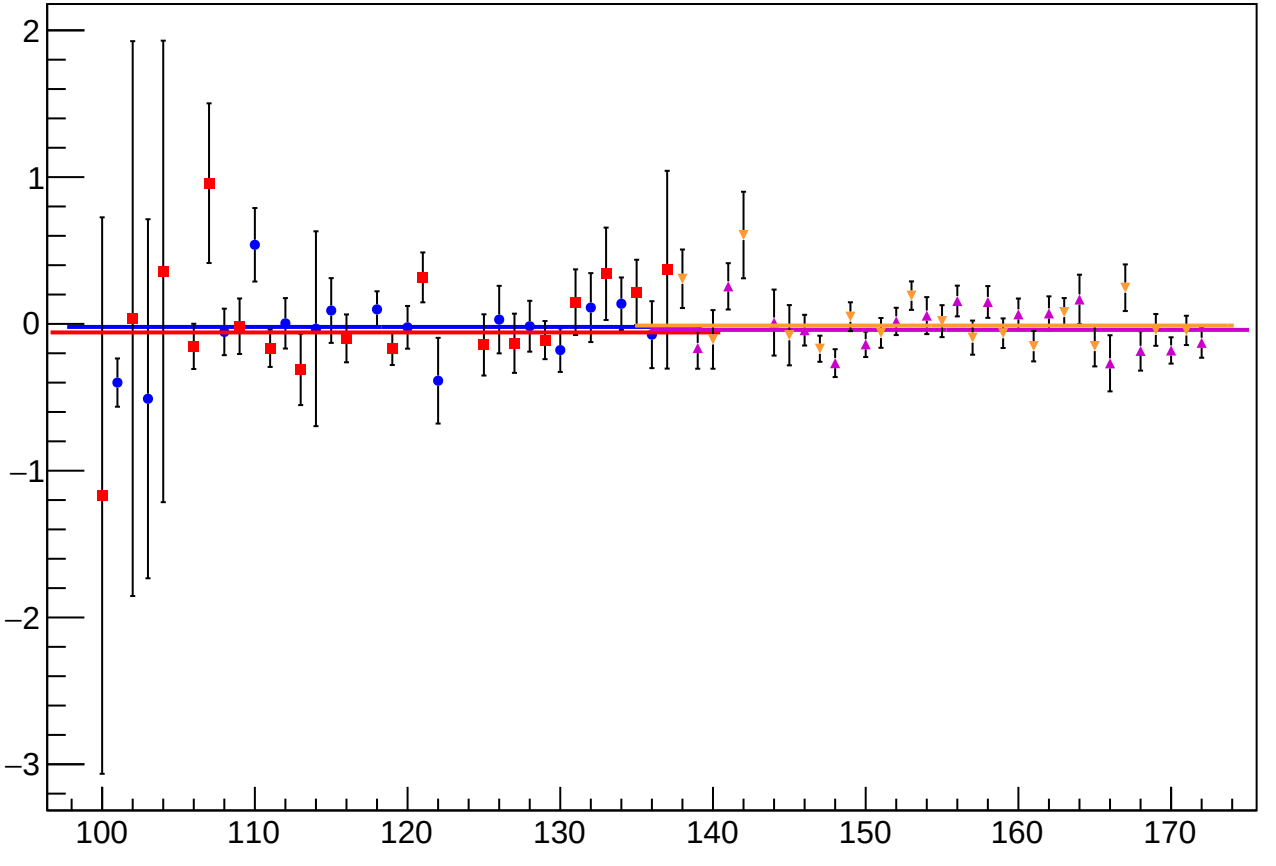
In: 0.000+/-0.000 χ^2/NDF:32.8/32

Out: -0.000+/-0.000 χ^2/NDF:23.4/34

All: 0.000+/-0.000 χ^2/NDF: 56.3/67


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:1526700.9/16
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: 2929619.1/33
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:3685178.6/34
All: 0.000+/-0.000 χ²/NDF: 6948482.9/67

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: -0.011+/-0.028 χ^2/NDF:22.9/16

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: -0.026+/-0.020 χ^2/NDF: 51.5/33

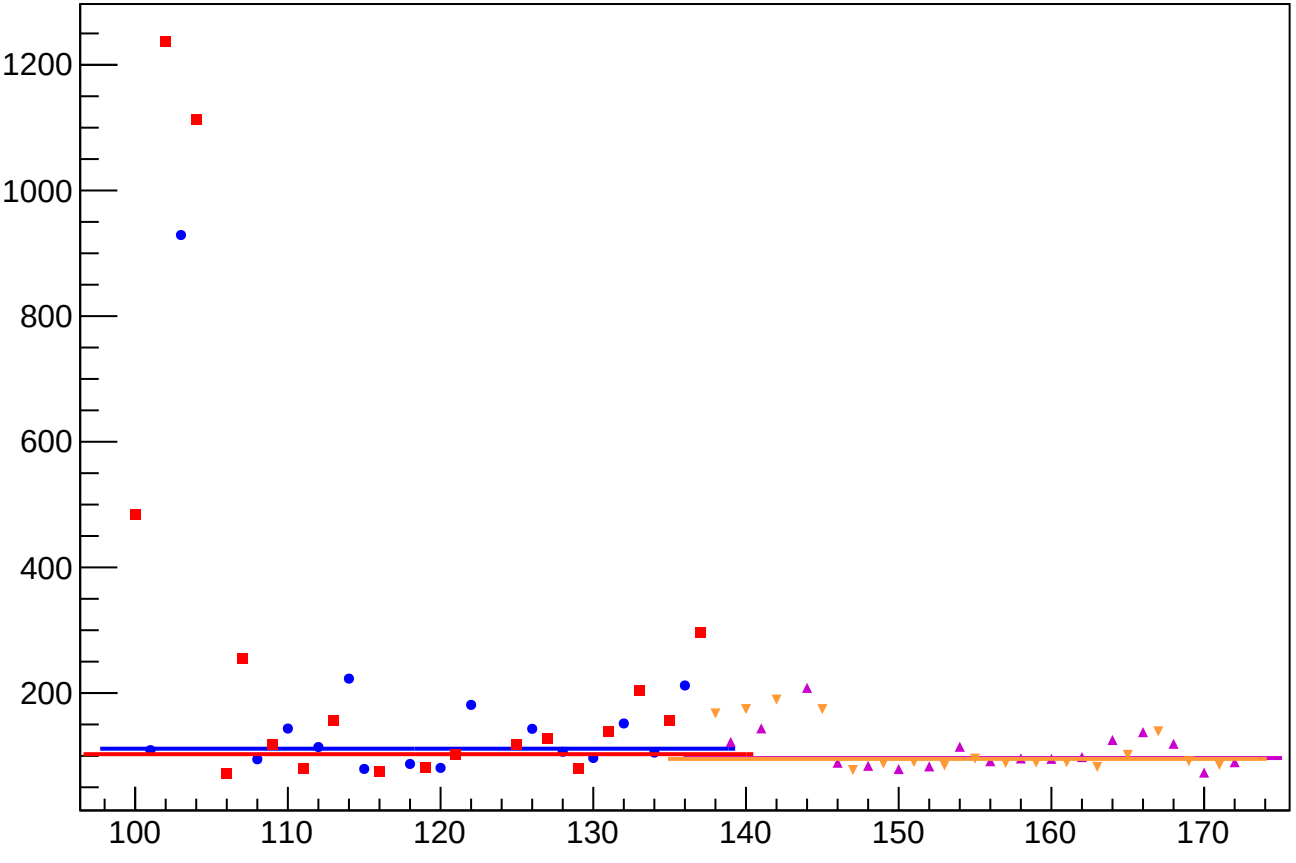
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.036+/-0.024 χ^2/NDF:43.8/32

Out: -0.024+/-0.024 χ^2/NDF:40.4/34

All: -0.030+/-0.017 χ^2/NDF: 84.4/67

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: 95.186+/-0.020 χ^2/NDF:1428866.2/16

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: 95.865+/-0.014 χ^2/NDF: 2731914.4/33

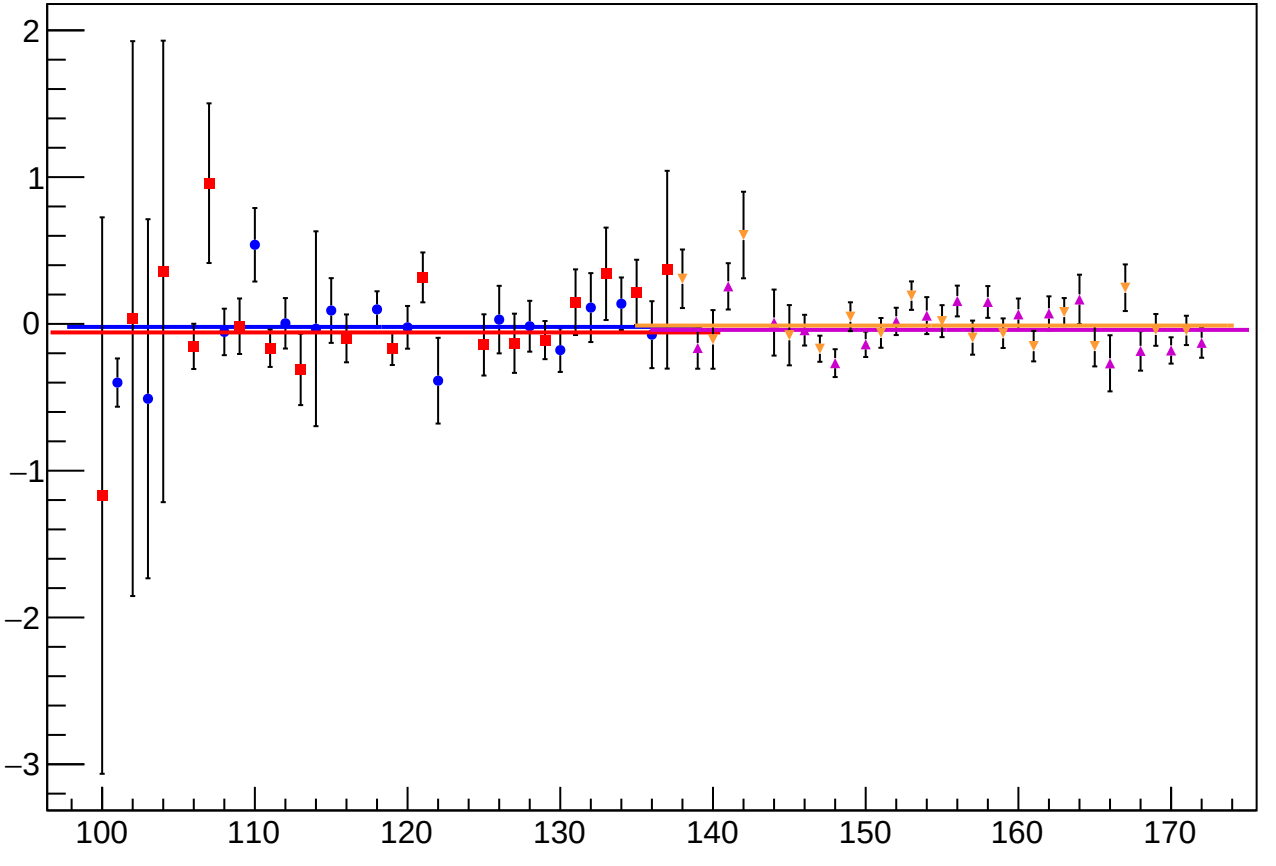
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 100.292+/-0.017 χ^2/NDF:3285991.5/32

Out: 97.208+/-0.017 χ^2/NDF:4293724.0/34

All: 98.759+/-0.012 χ^2/NDF: 7596174.8/67

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.011+/-0.028 χ^2/NDF:22.9/16

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: -0.026+/-0.020 χ^2/NDF: 51.5/33

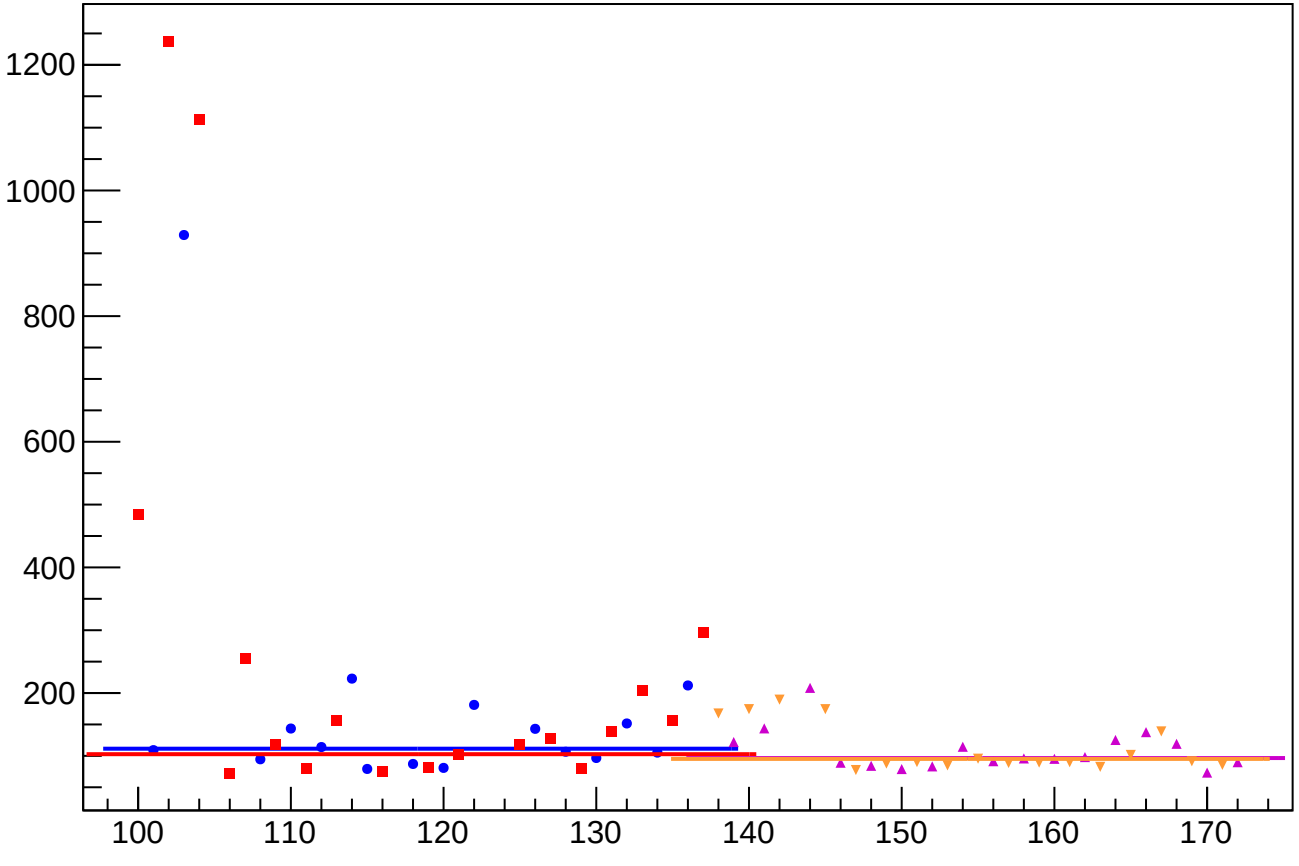
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.036+/-0.024 χ^2/NDF:43.8/32

Out: -0.024+/-0.024 χ^2/NDF:40.4/34

All: -0.030+/-0.017 χ^2/NDF: 84.4/67

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: 95.186+/-0.020 χ^2/NDF:1428866.2/16

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 96.521+/-0.020 χ^2/NDF:1300771.0/16

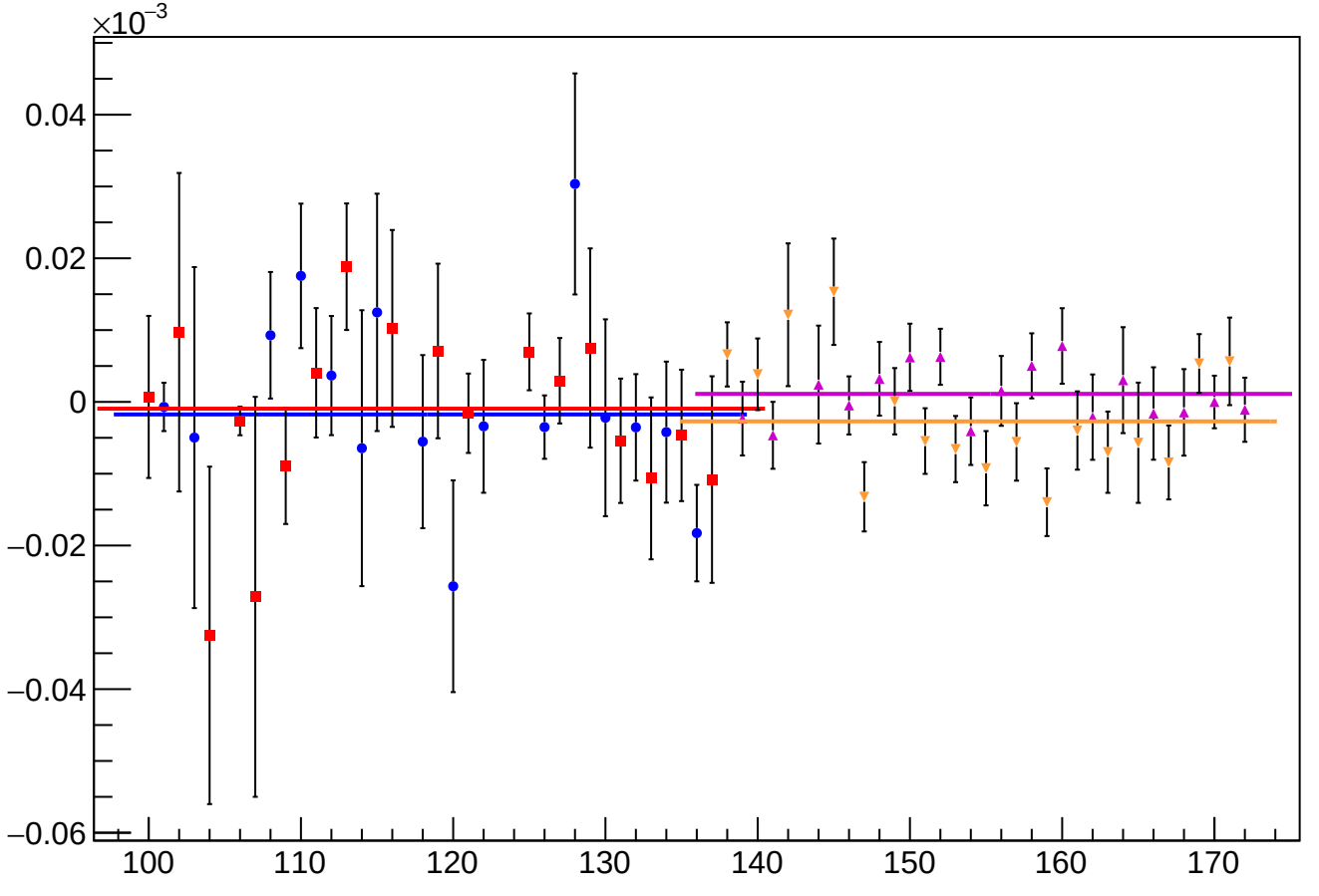
Left: 95.865+/-0.014 χ^2/NDF: 2731914.4/33

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 100.292+/-0.017 χ^2/NDF:3285991.5/32

Out: 97.208+/-0.017 χ^2/NDF:4293724.0/34

All: 98.759+/-0.012 χ^2/NDF: 7596174.8/67



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:35.8/16

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: 50.5/33

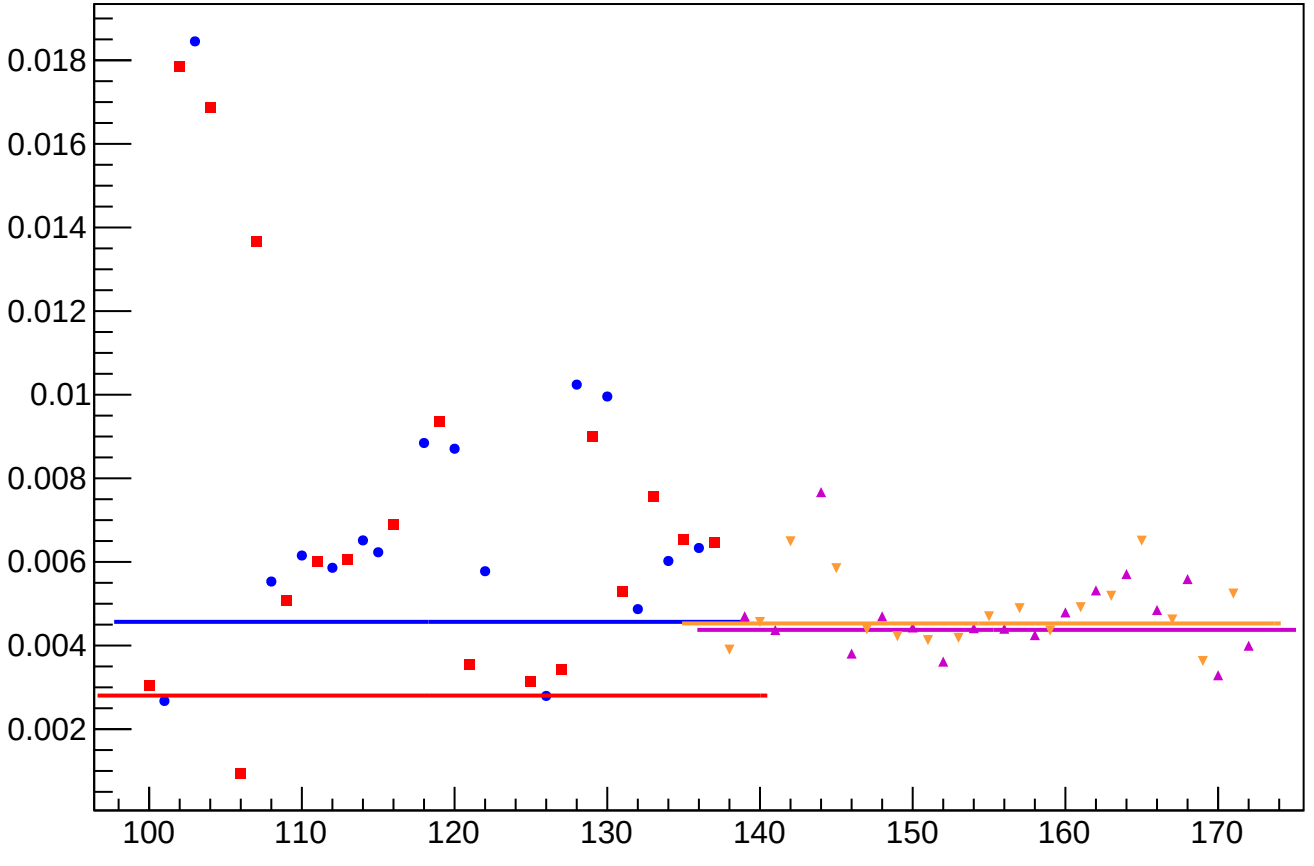
Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

In: 0.000+/-0.000 χ^2/NDF:31.5/32

Out: -0.000+/-0.000 χ^2/NDF:52.3/34

All: -0.000+/-0.000 χ^2/NDF: 86.5/67

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: 0.005+/-0.000 χ^2/NDF:506058.8/16

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.004+/-0.000 χ^2/NDF:866086.1/16

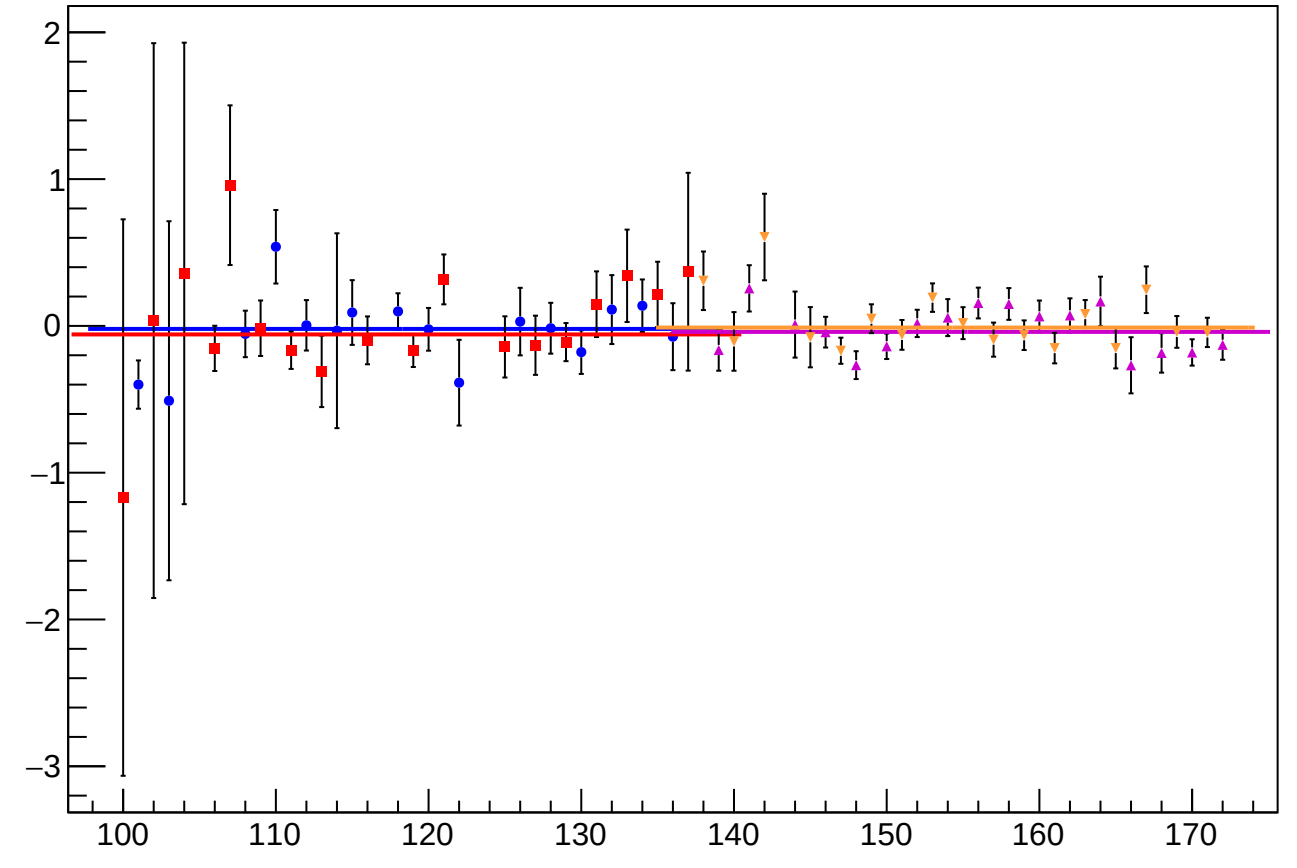
Left: 0.004+/-0.000 χ^2/NDF: 1387825.6/33

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:8687818.4/34

All: 0.004+/-0.000 χ^2/NDF: 12986238.2/67



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.011+/-0.028 χ^2/NDF:22.9/16

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: -0.026+/-0.020 χ^2/NDF: 51.5/33

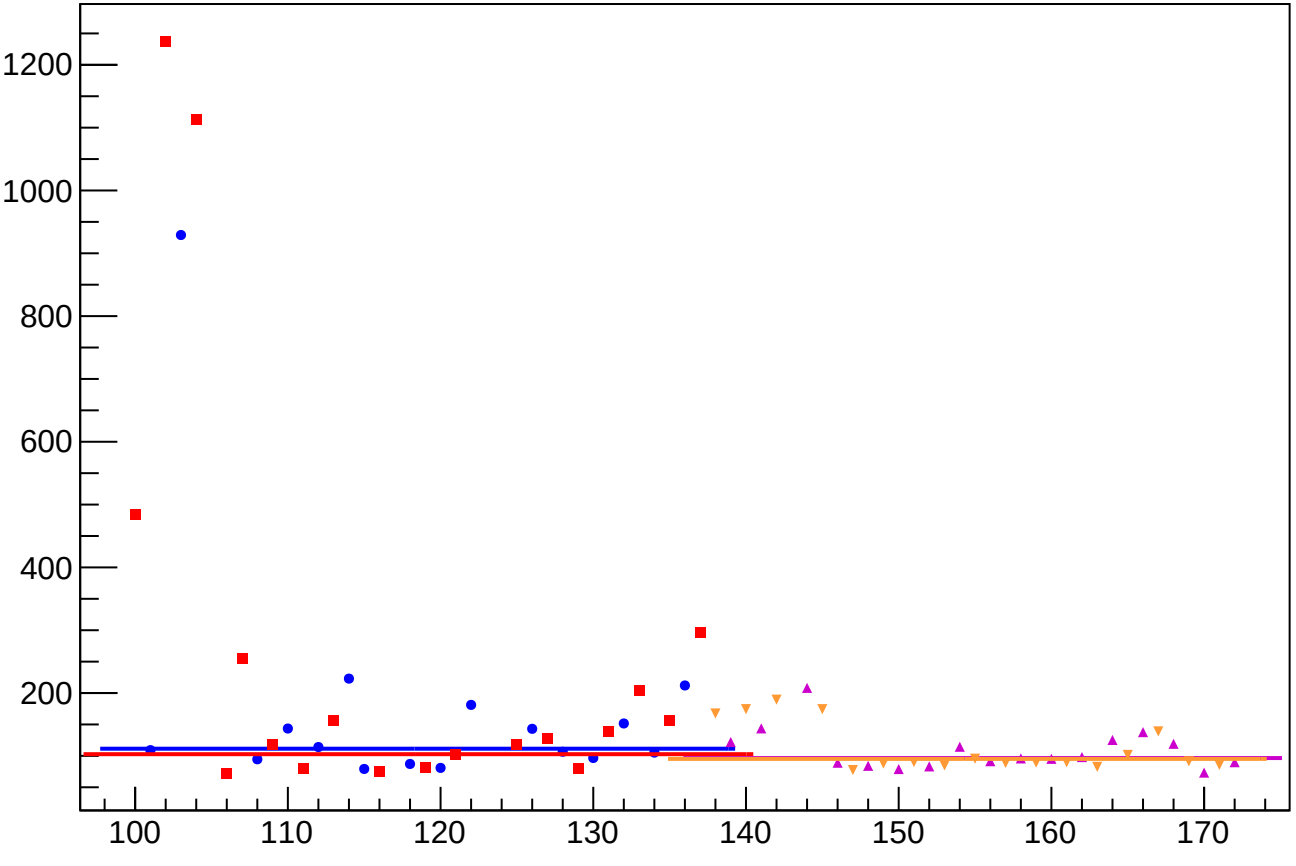
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.036+/-0.024 χ^2/NDF:43.8/32

Out: -0.024+/-0.024 χ^2/NDF:40.4/34

All: -0.030+/-0.017 χ^2/NDF: 84.4/67

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: 95.186+/-0.020 χ^2/NDF:1428842.9/16

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: 95.866+/-0.014 χ^2/NDF: 2731860.4/33

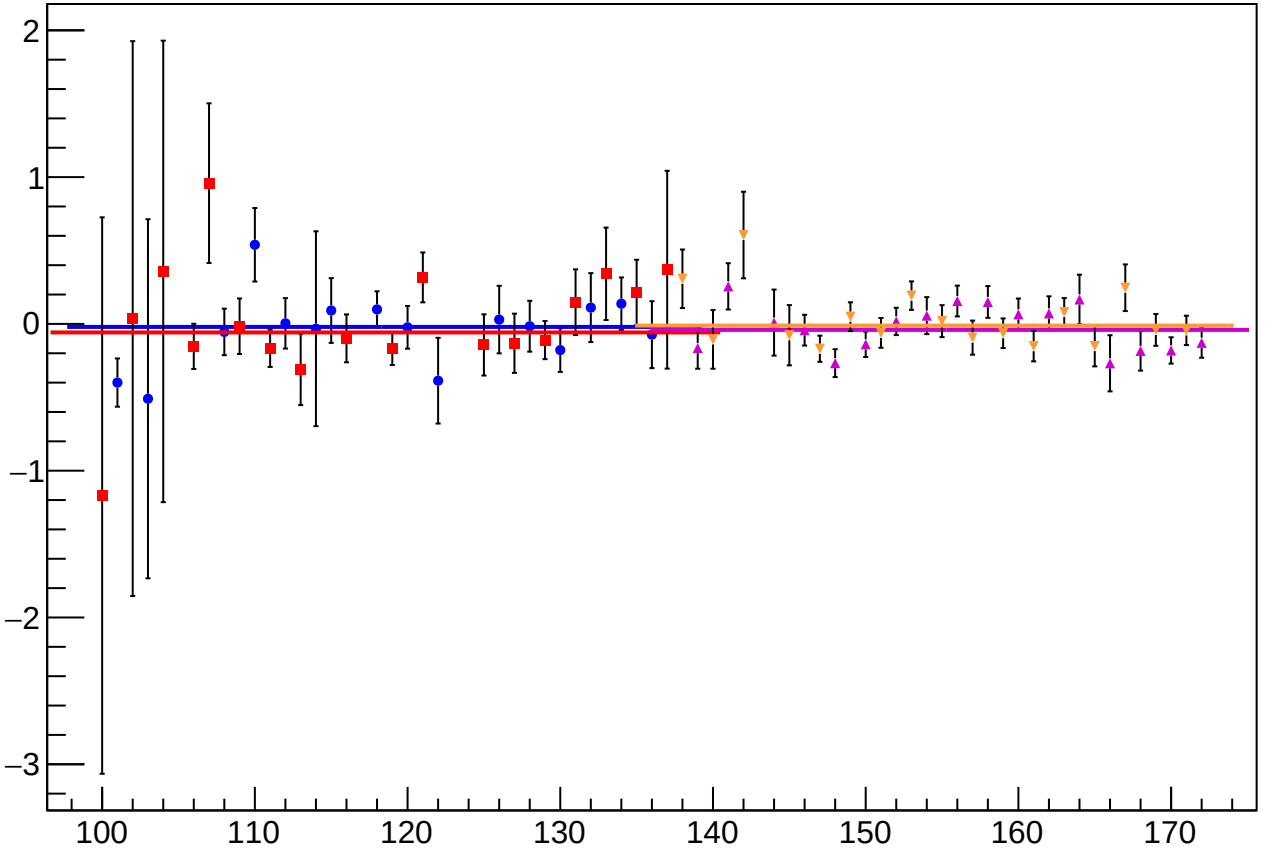
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 100.292+/-0.017 χ^2/NDF:3285947.4/32

Out: 97.208+/-0.017 χ^2/NDF:4293673.9/34

All: 98.759+/-0.012 χ^2/NDF: 7596077.7/67

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: -0.011+/-0.028 χ^2/NDF:22.9/16

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: -0.026+/-0.020 χ^2/NDF: 51.5/33

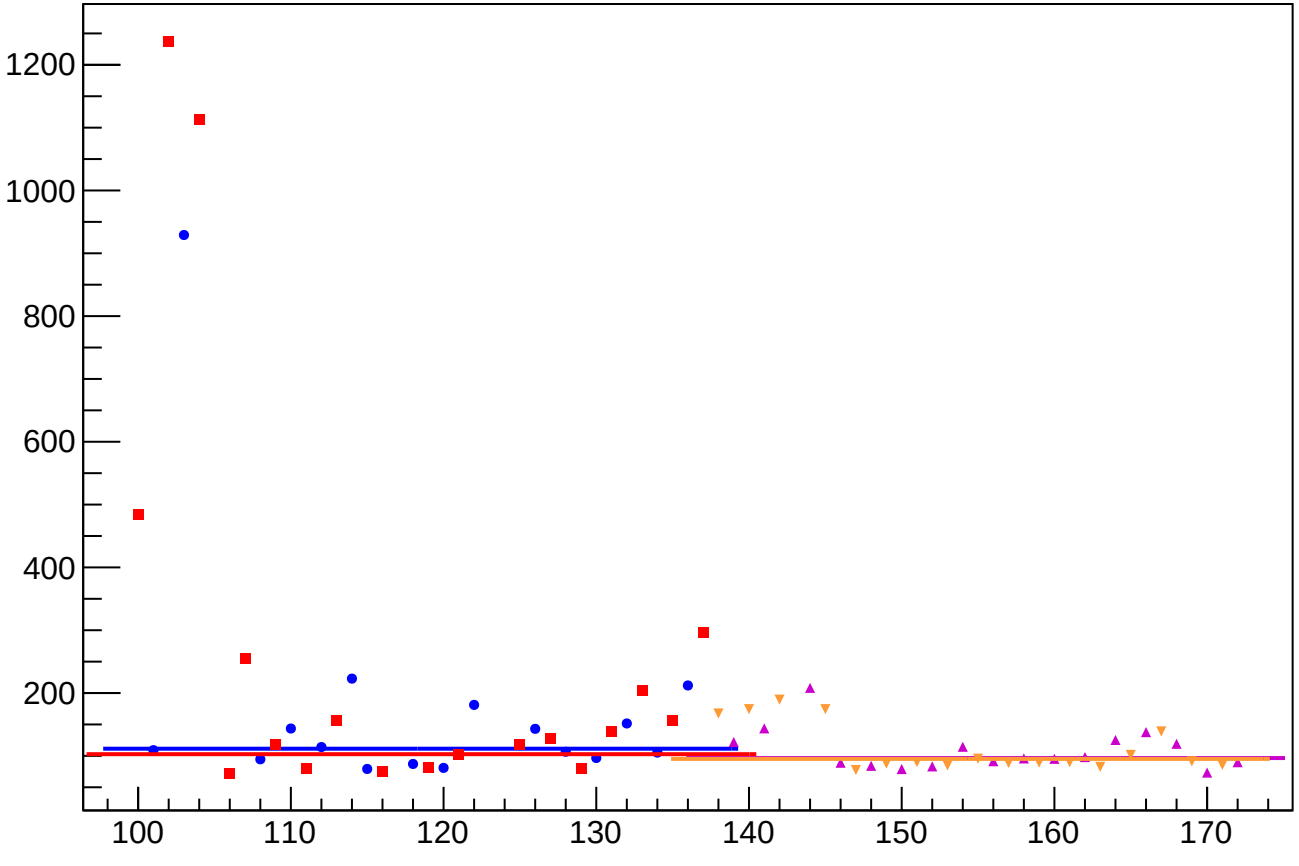
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.036+/-0.024 χ^2/NDF:43.8/32

Out: -0.024+/-0.024 χ^2/NDF:40.4/34

All: -0.030+/-0.017 χ^2/NDF: 84.4/67

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: 95.186+/-0.020 χ^2/NDF:1428842.9/16

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 96.522+/-0.020 χ^2/NDF:1300740.7/16

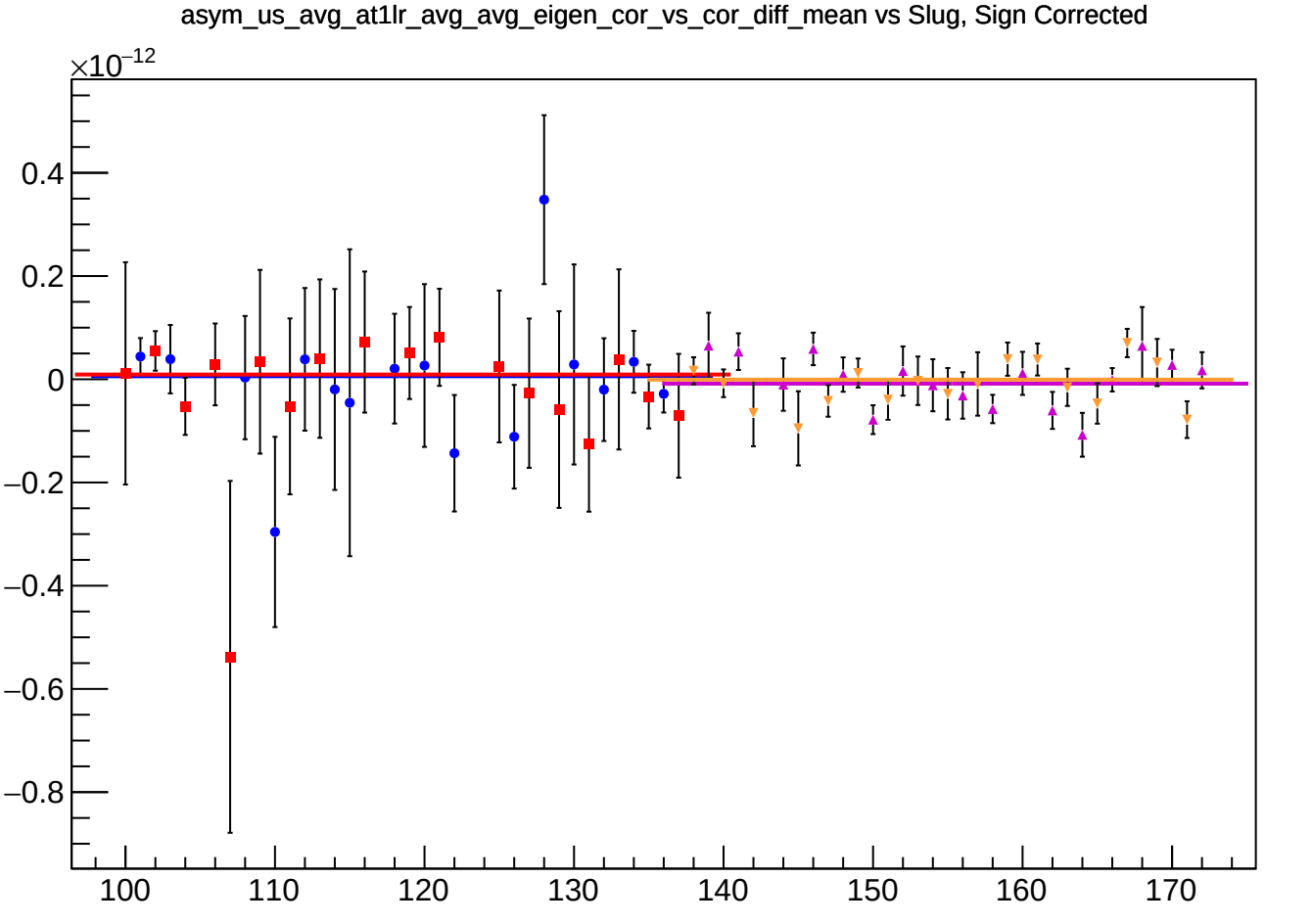
Left: 95.866+/-0.014 χ^2/NDF: 2731860.4/33

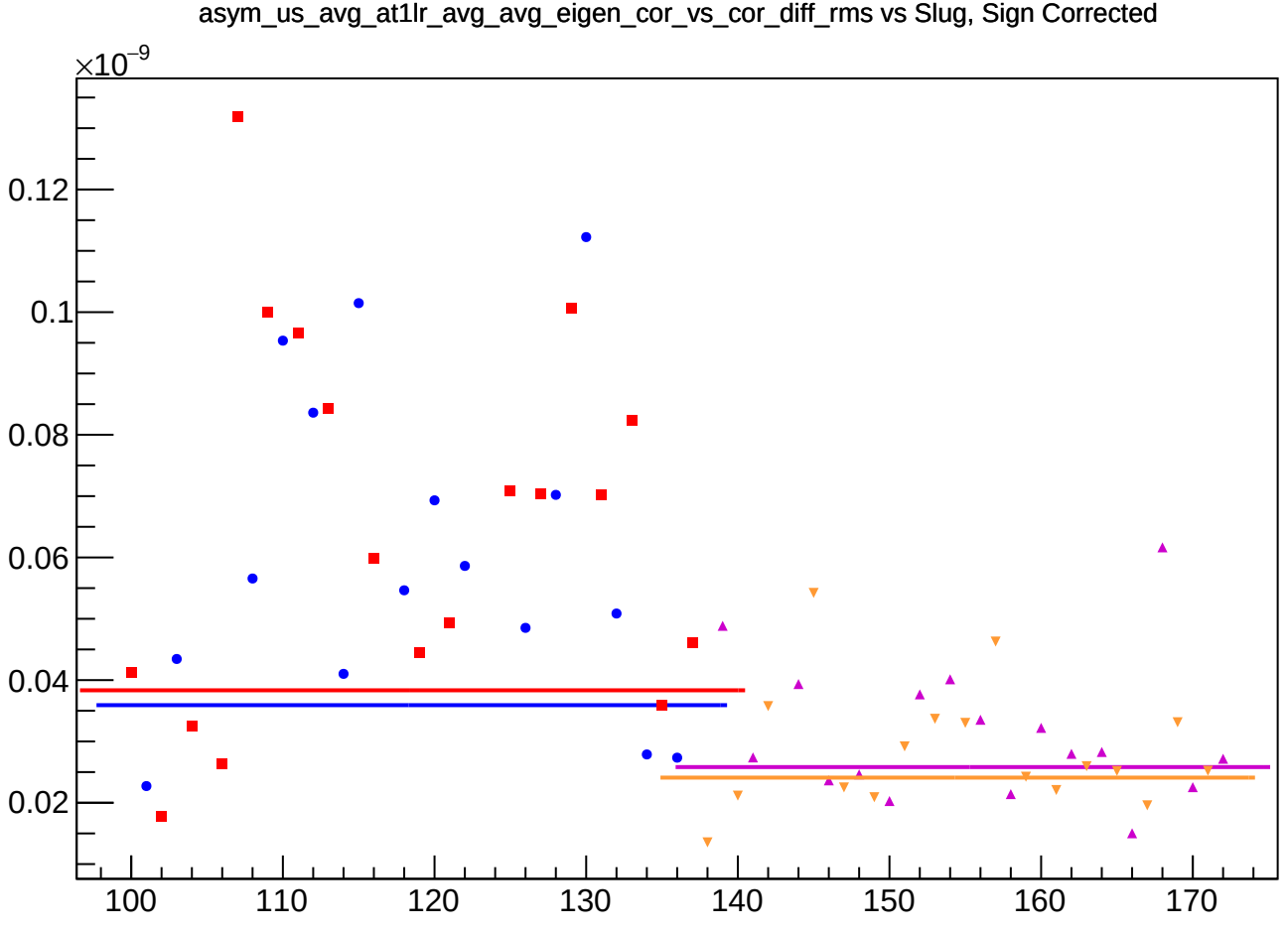
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 100.292+/-0.017 χ^2/NDF:3285947.4/32

Out: 97.208+/-0.017 χ^2/NDF:4293673.9/34

All: 98.759+/-0.012 χ^2/NDF: 7596077.7/67


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:23.2/16
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: 53.7/33
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:32.1/34
All: -0.000+/-0.000 χ²/NDF: 75.9/67



Right In: 0.000+/-0.000 χ^2/NDF: 1759038.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1387799.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2202319.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1890110.2/16

Left: 0.000+/-0.000 χ^2/NDF: 3317339.3/33

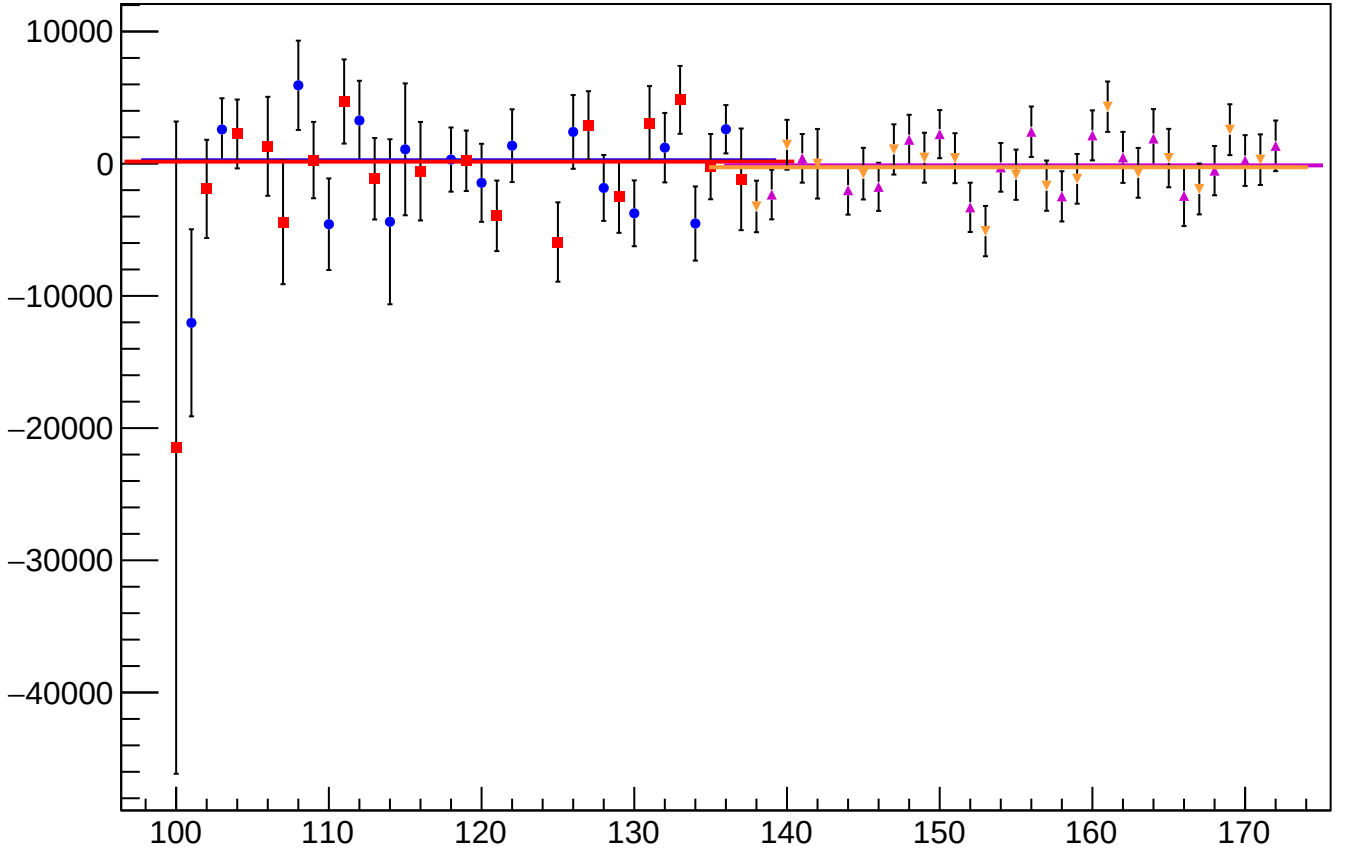
Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:4108940.8/32

Out: 0.000+/-0.000 χ^2/NDF:4338562.0/34

All: 0.000+/-0.000 χ^2/NDF: 8481833.4/67

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -263.962+/-472.728 χ^2/NDF:20.2/16

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: -124.800+/-463.077 χ^2/NDF:16.3/16

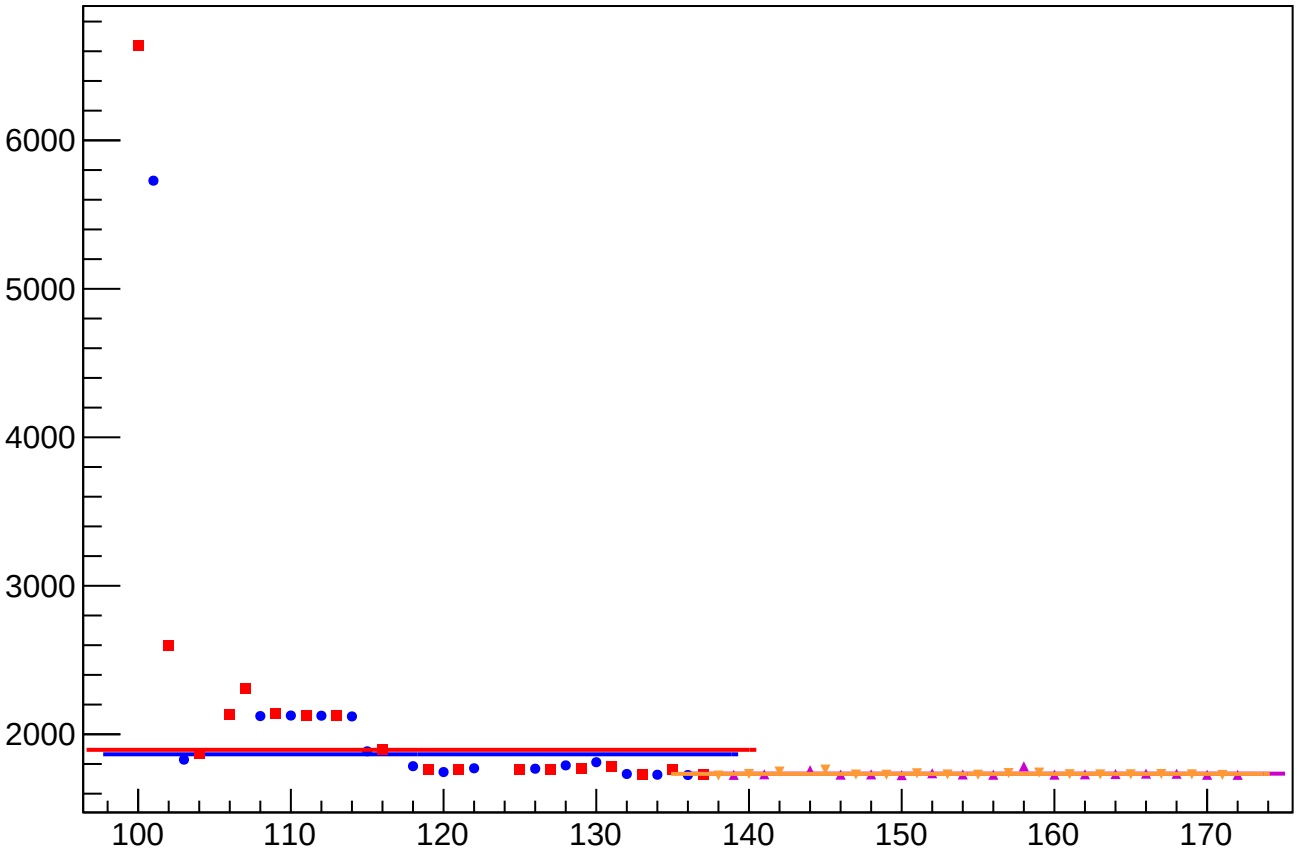
Left: -192.946+/-330.804 χ^2/NDF: 36.5/33

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: -10.041+/-387.821 χ^2/NDF:35.9/32

Out: -134.534+/-393.881 χ^2/NDF:38.5/34

All: -71.323+/-276.348 χ^2/NDF: 74.5/67



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1733.297+/-0.334 χ^2/NDF:739.0/16

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1734.811+/-0.327 χ^2/NDF:1959.8/16

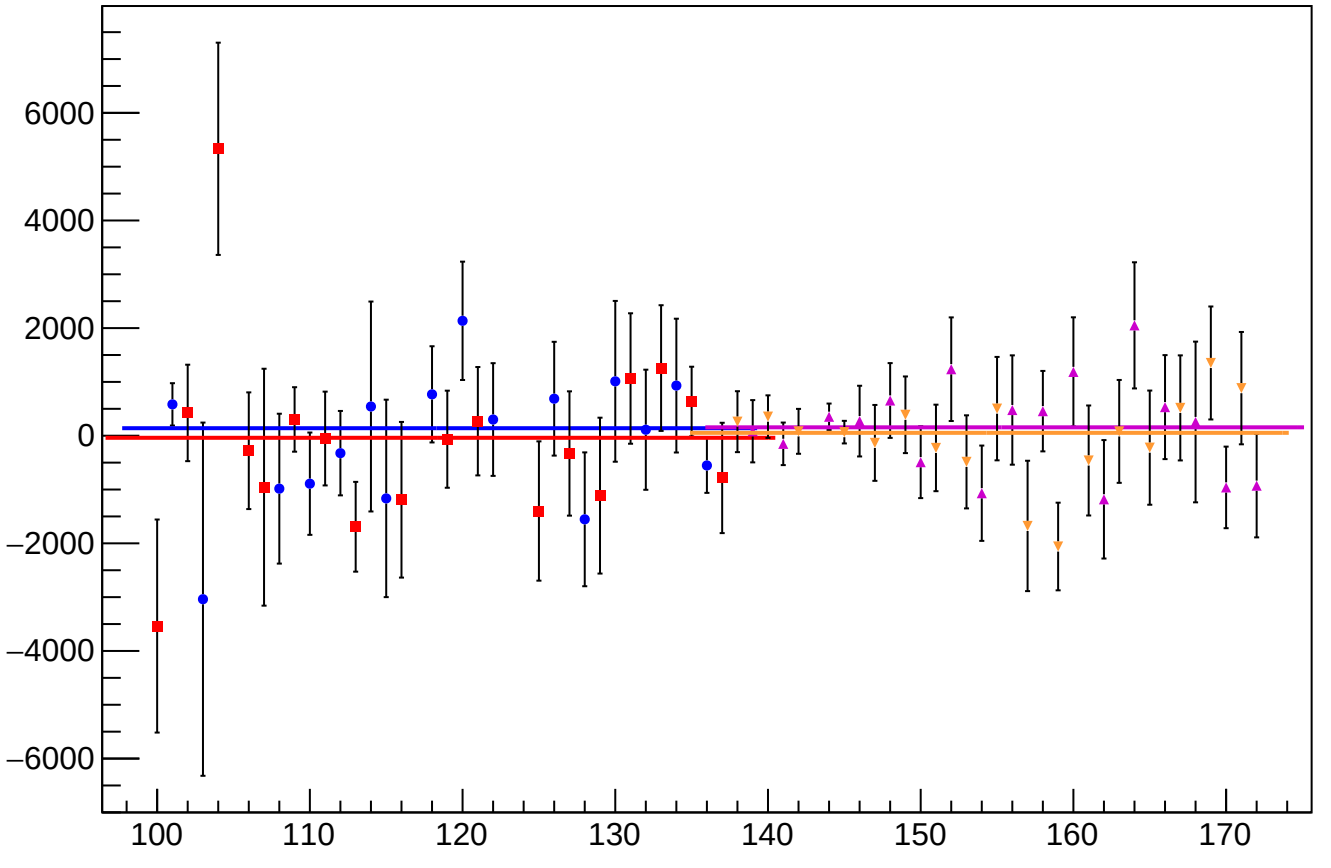
Left: 1734.069+/-0.234 χ^2/NDF: 2709.3/33

Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1773.738+/-0.274 χ^2/NDF:722012.8/32

Out: 1782.816+/-0.279 χ^2/NDF:323320.5/34

All: 1778.207+/-0.195 χ^2/NDF: 1045872.6/67



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 53.567+/-136.216 χ^2/NDF:13.2/16

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 156.039+/-149.655 χ^2/NDF:14.9/16

Left: 99.997+/-100.736 χ^2/NDF: 28.4/33

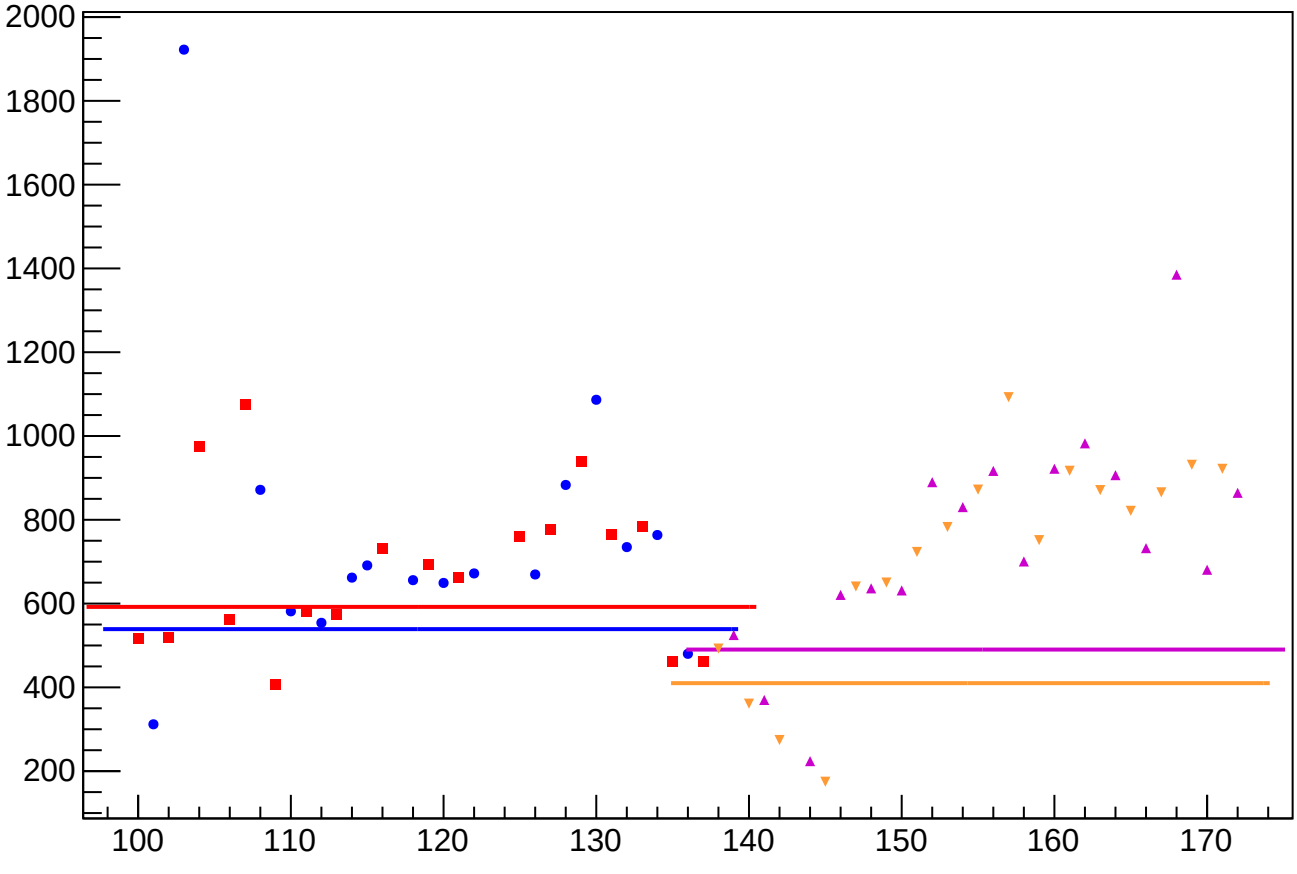
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 150.904+/-123.757 χ^2/NDF:28.4/32

Out: 30.855+/-118.253 χ^2/NDF:34.7/34

All: 88.151+/-85.497 χ^2/NDF: 63.6/67

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: 410.055+/-0.096 χ^2/NDF:8028684.7/16

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: 446.385+/-0.071 χ^2/NDF: 14591702.5/33

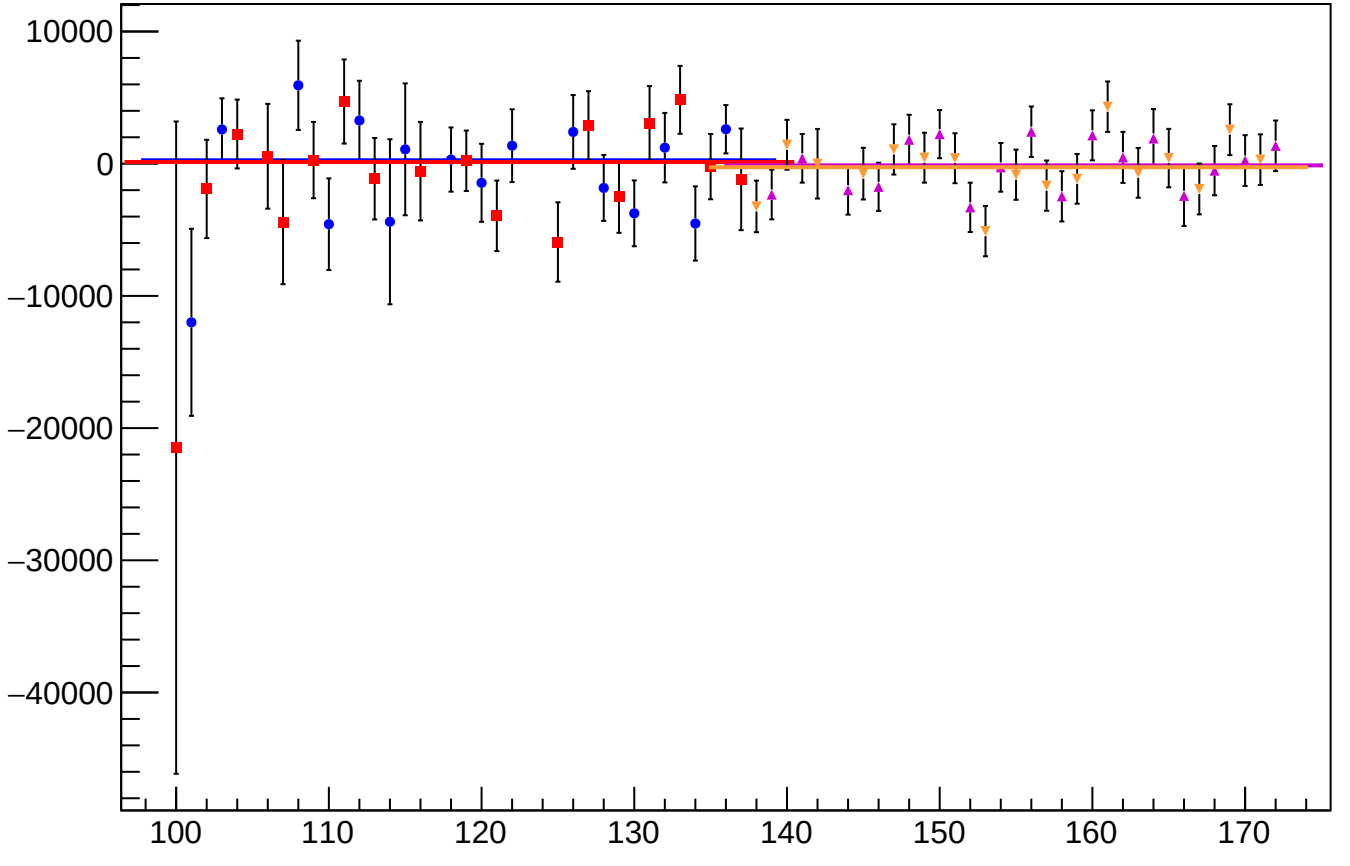
Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 505.659+/-0.088 χ^2/NDF:8170772.6/32

Out: 454.901+/-0.084 χ^2/NDF:9751759.6/34

All: 479.127+/-0.060 χ^2/NDF: 18098393.2/67

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: -263.937+/-472.728 χ^2/NDF:20.2/16

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -124.824+/-463.077 χ^2/NDF:16.3/16

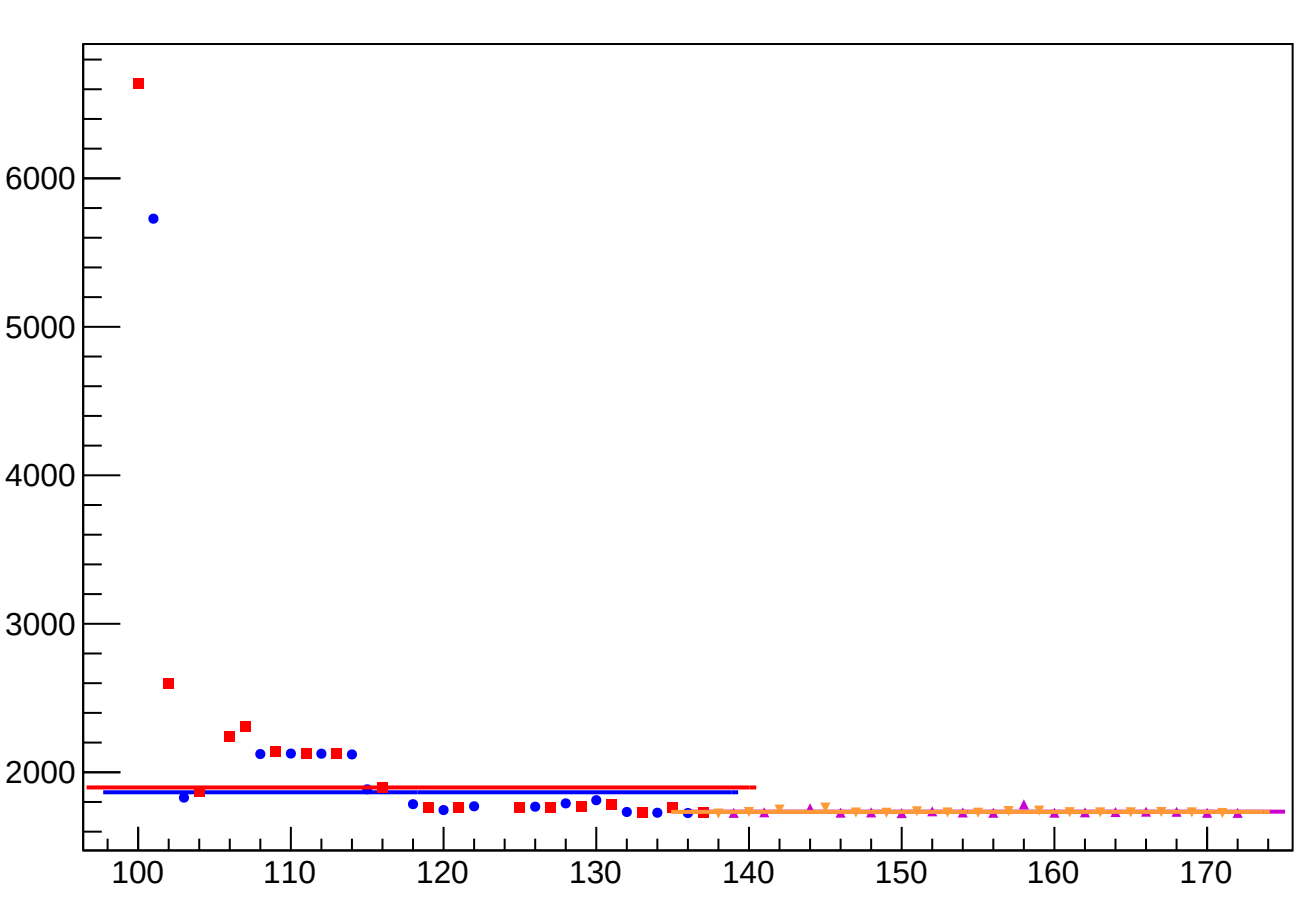
Left: -192.946+/-330.804 χ^2/NDF: 36.5/33

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -10.002+/-387.821 χ^2/NDF:35.9/32

Out: -143.801+/-394.119 χ^2/NDF:38.4/34

All: -75.824+/-276.431 χ^2/NDF: 74.4/67



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1733.297+/-0.334 χ^2/NDF:739.0/16

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: 1734.069+/-0.234 χ^2/NDF: 2709.3/33

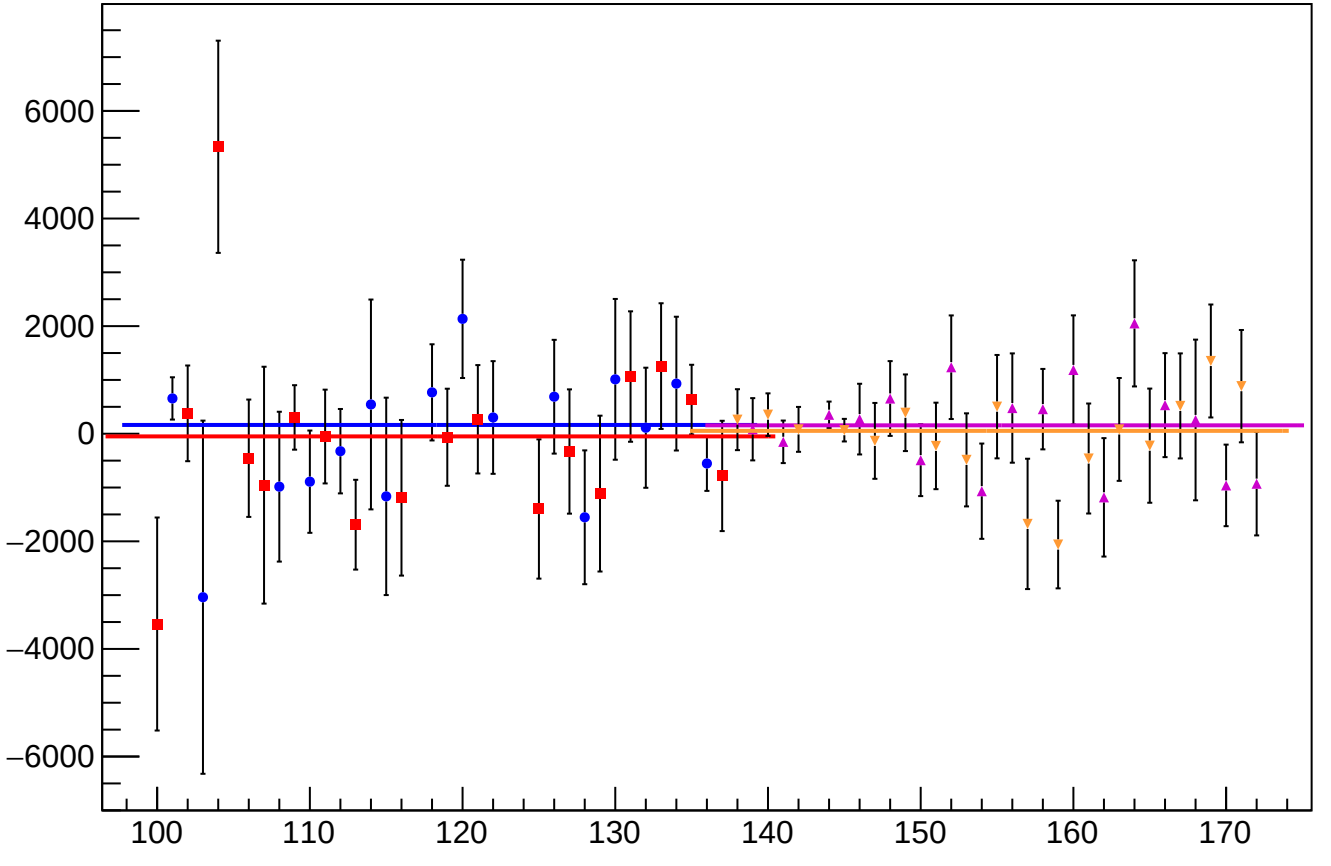
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1773.738+/-0.274 χ^2/NDF:722012.6/32

Out: 1783.428+/-0.279 χ^2/NDF:332234.6/34

All: 1778.505+/-0.195 χ^2/NDF: 1054861.3/67

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: 53.432+/-136.218 χ^2/NDF:13.2/16

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: 99.915+/-100.737 χ^2/NDF: 28.4/33

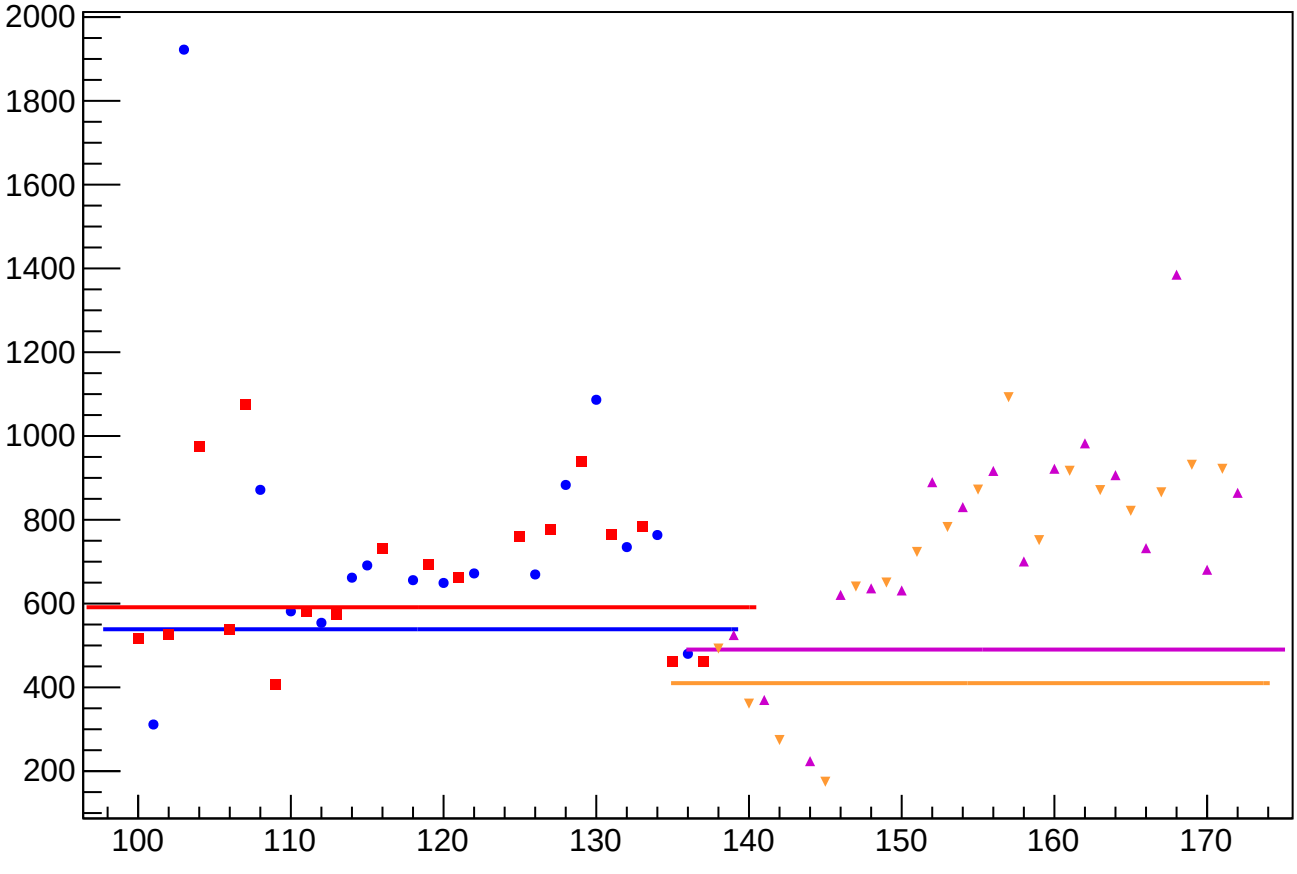
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 158.276+/-123.744 χ^2/NDF:28.8/32

Out: 28.036+/-118.248 χ^2/NDF:34.8/34

All: 90.200+/-85.491 χ^2/NDF: 64.2/67

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: 410.064+/-0.096 χ^2/NDF:8028370.6/16

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 490.245+/-0.106 χ^2/NDF:6248616.9/16

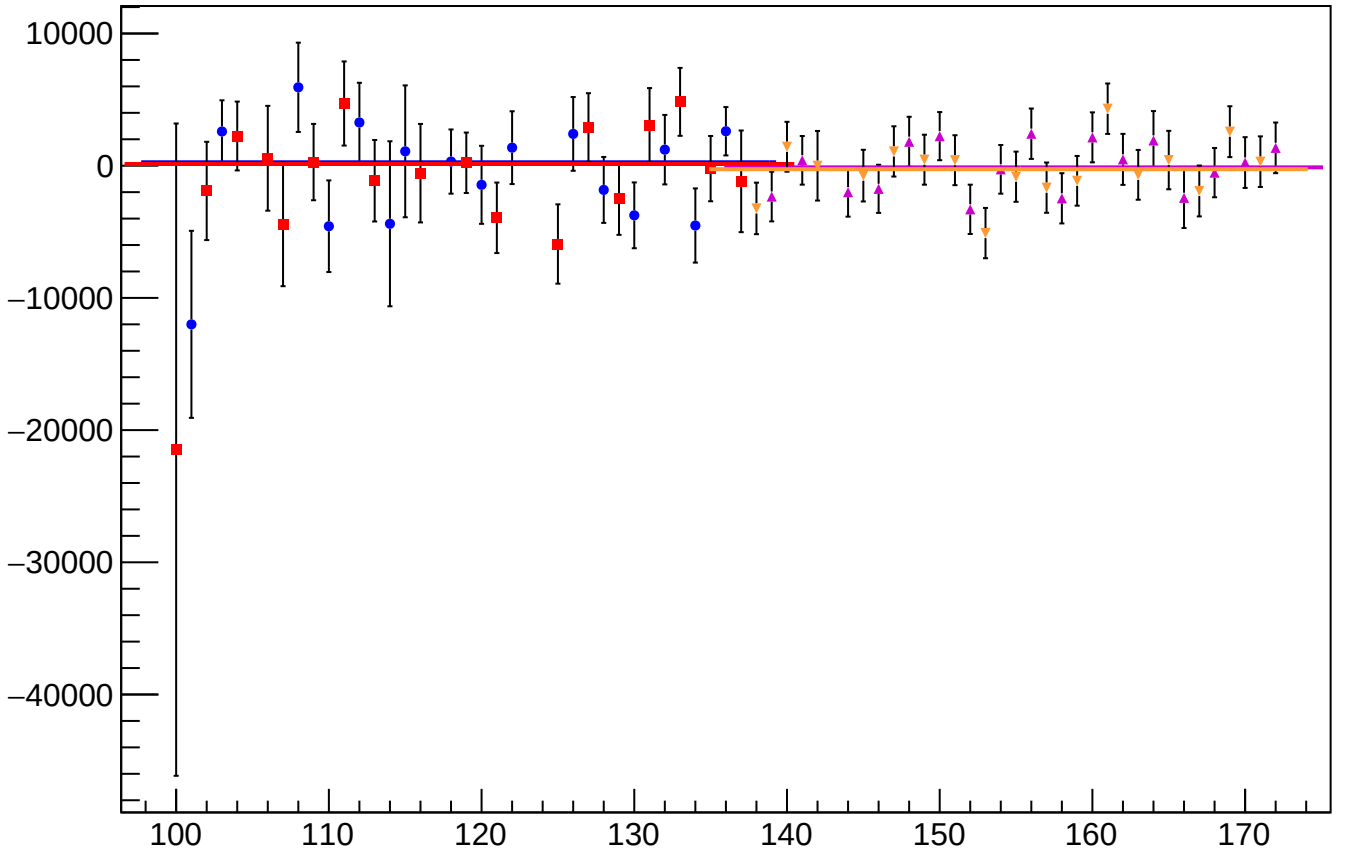
Left: 446.394+/-0.071 χ^2/NDF: 14590965.7/33

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 505.573+/-0.088 χ^2/NDF:8173835.2/32

Out: 454.714+/-0.084 χ^2/NDF:9744833.2/34

All: 478.989+/-0.060 χ^2/NDF: 18095262.0/67



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -263.937+/-472.728 χ^2/NDF:20.2/16

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -124.824+/-463.077 χ^2/NDF:16.3/16

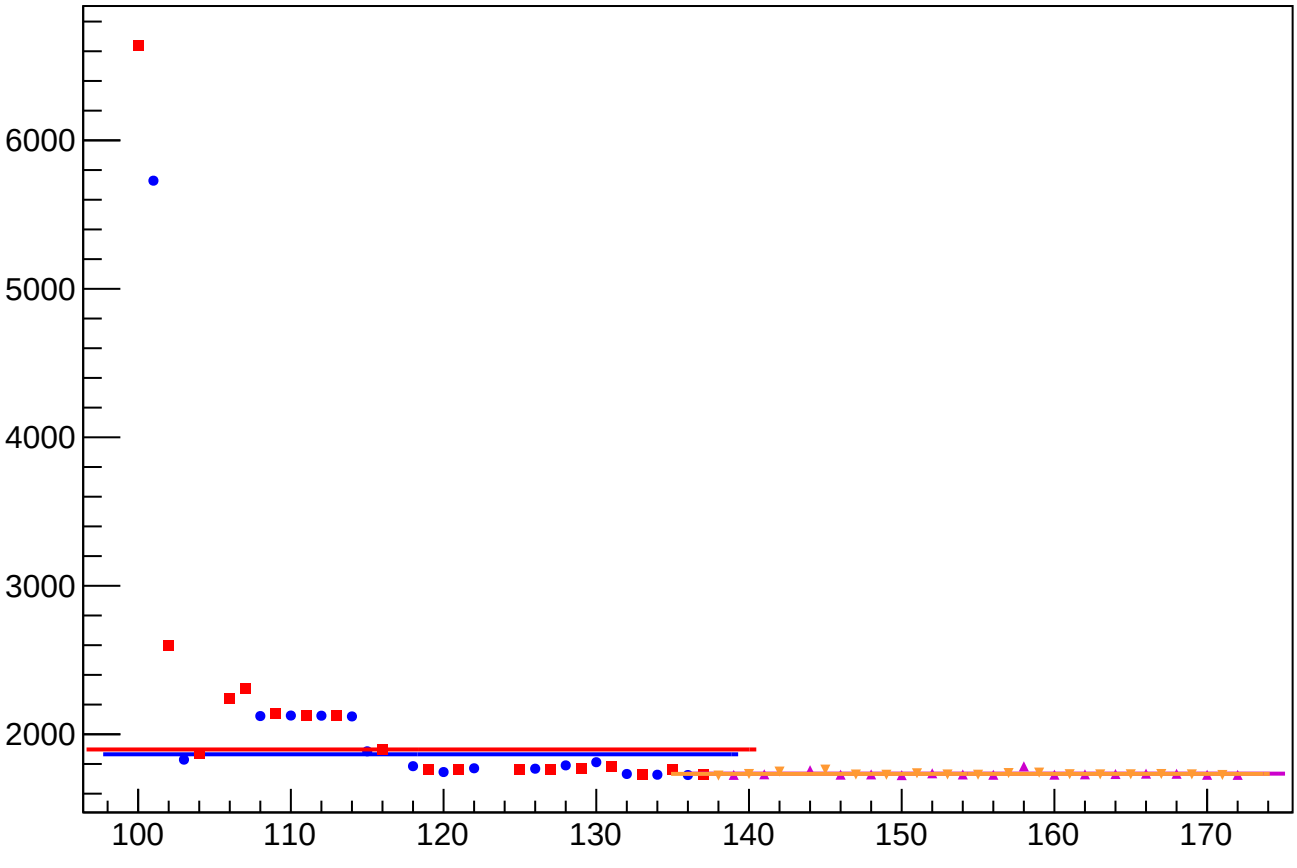
Left: -192.946+/-330.804 χ^2/NDF: 36.5/33

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -10.002+/-387.821 χ^2/NDF:35.9/32

Out: -143.801+/-394.119 χ^2/NDF:38.4/34

All: -75.824+/-276.431 χ^2/NDF: 74.4/67



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1733.297+/-0.334 χ^2/NDF:739.0/16

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: 1734.069+/-0.234 χ^2/NDF: 2709.3/33

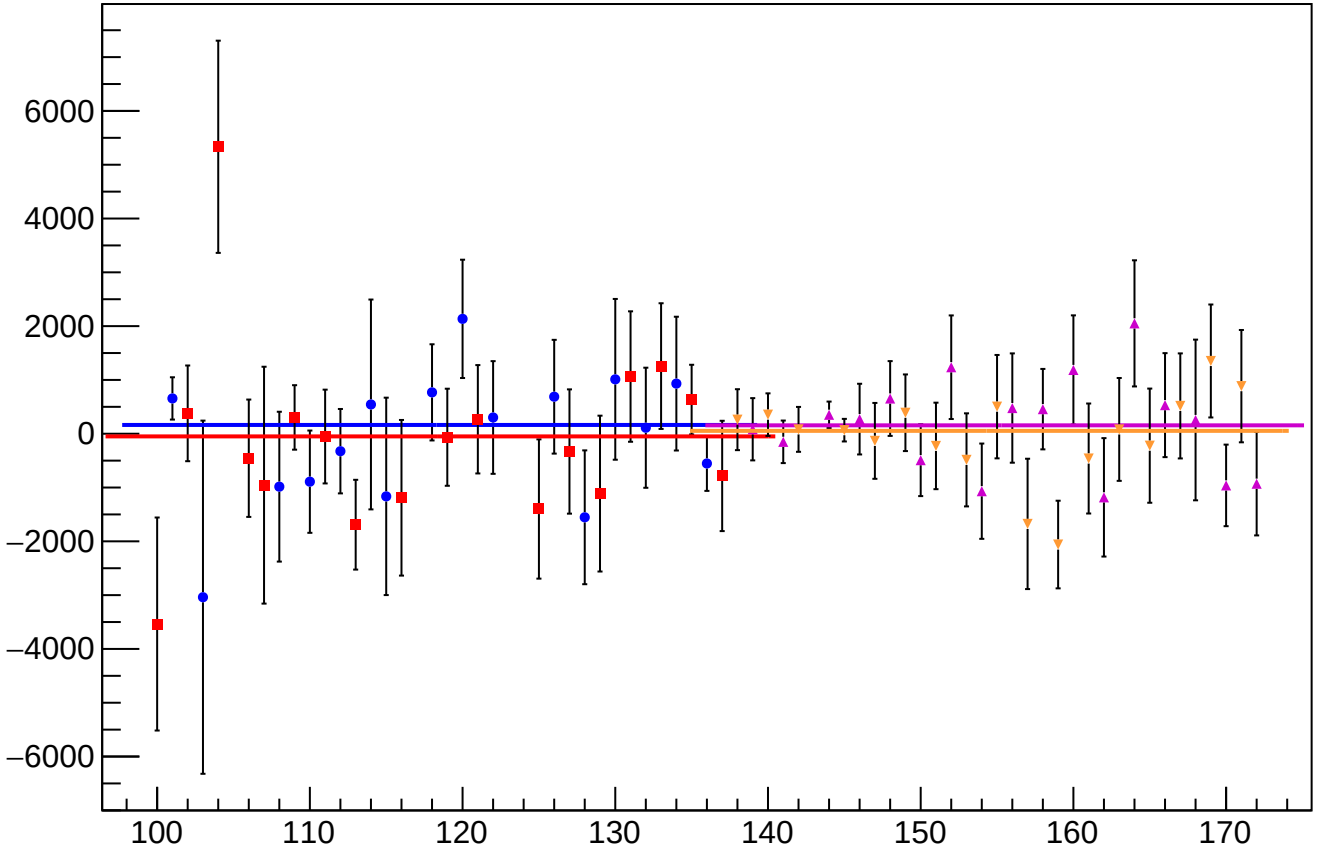
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1773.738+/-0.274 χ^2/NDF:722012.6/32

Out: 1783.428+/-0.279 χ^2/NDF:332234.6/34

All: 1778.505+/-0.195 χ^2/NDF: 1054861.3/67

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 53.432+/-136.218 χ^2/NDF:13.2/16

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: 99.915+/-100.737 χ^2/NDF: 28.4/33

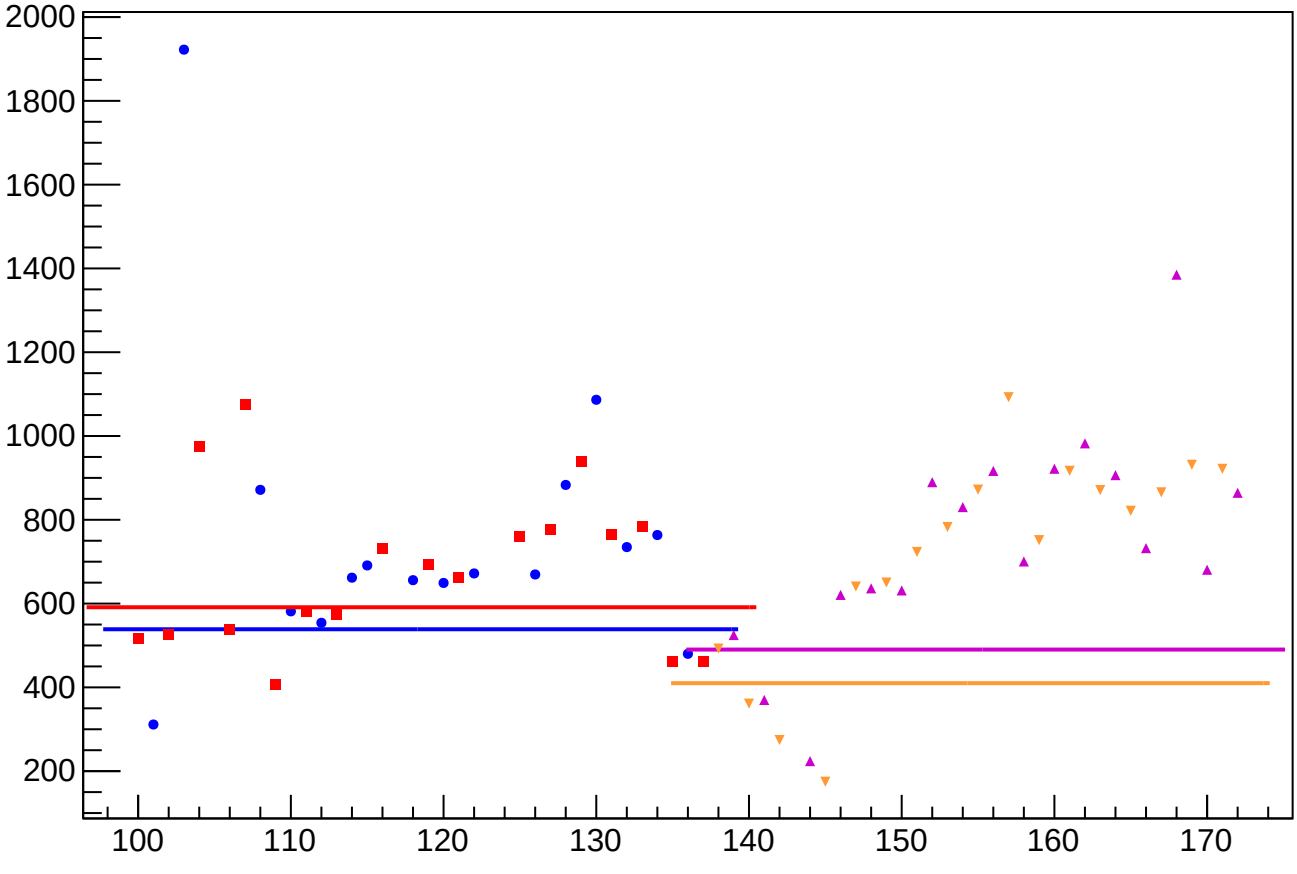
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 158.276+/-123.744 χ^2/NDF:28.8/32

Out: 28.036+/-118.248 χ^2/NDF:34.8/34

All: 90.200+/-85.491 χ^2/NDF: 64.2/67

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: 410.064+/-0.096 χ^2/NDF:8028370.6/16

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 490.245+/-0.106 χ^2/NDF:6248616.9/16

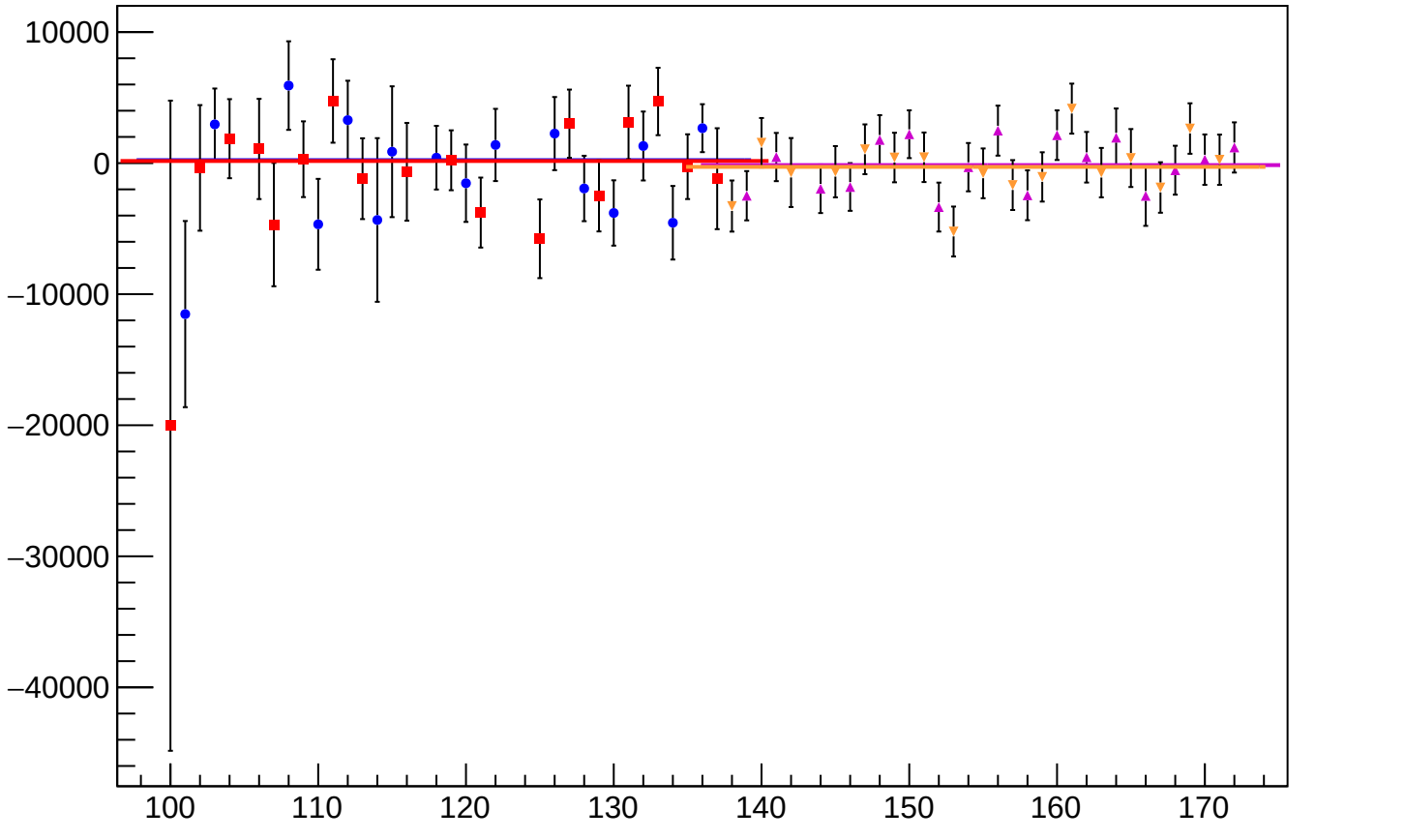
Left: 446.394+/-0.071 χ^2/NDF: 14590965.7/33

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 505.573+/-0.088 χ^2/NDF:8173835.2/32

Out: 454.714+/-0.084 χ^2/NDF:9744833.2/34

All: 478.989+/-0.060 χ^2/NDF: 18095262.0/67



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -285.260+/-473.047 χ^2/NDF:20.3/16

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -149.844+/-463.374 χ^2/NDF:16.6/16

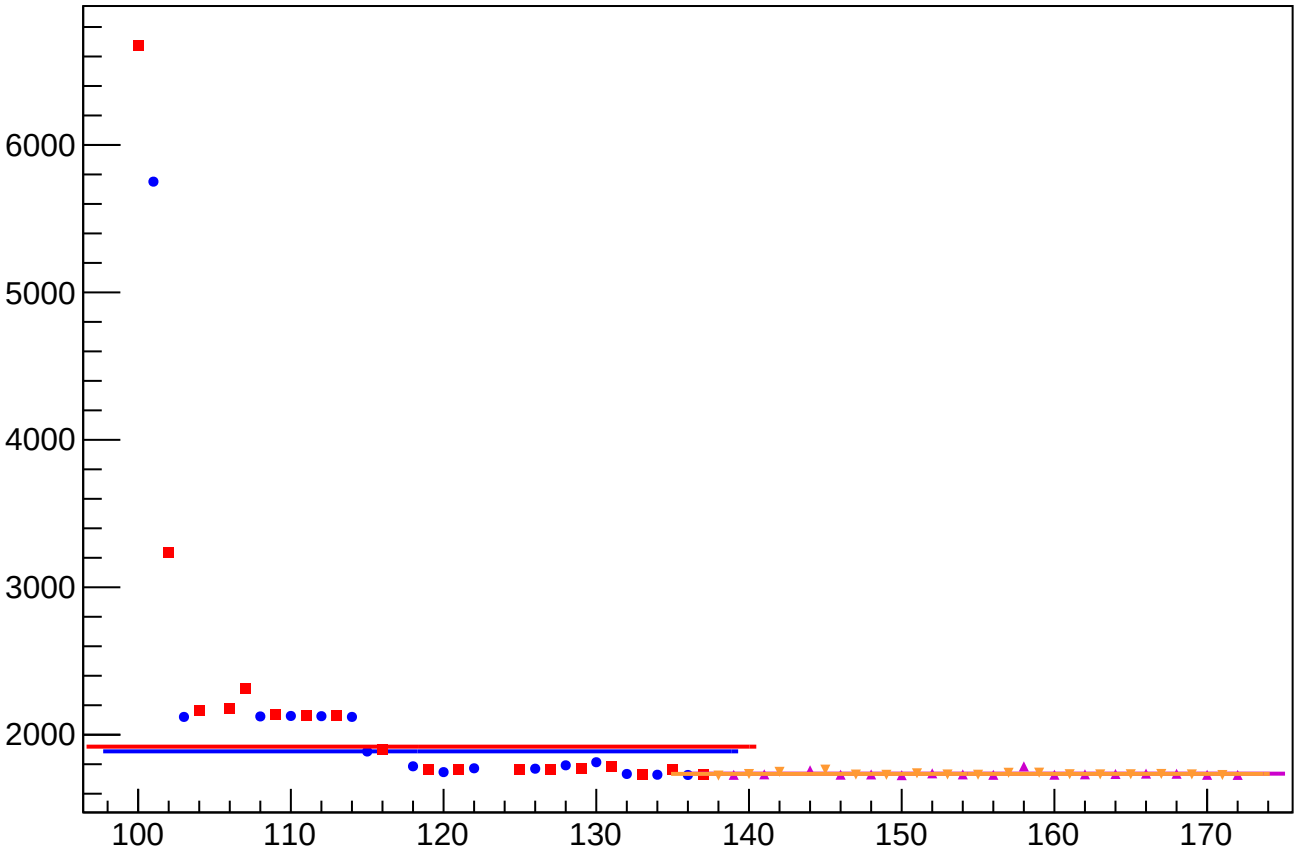
Left: -216.153+/-331.022 χ^2/NDF: 36.9/33

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: -39.387+/-389.424 χ^2/NDF:36.2/32

Out: -151.403+/-396.304 χ^2/NDF:37.6/34

All: -94.414+/-277.765 χ^2/NDF: 73.8/67



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1734.461+/-0.334 χ^2/NDF:746.5/16

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: 1735.206+/-0.234 χ^2/NDF: 2717.5/33

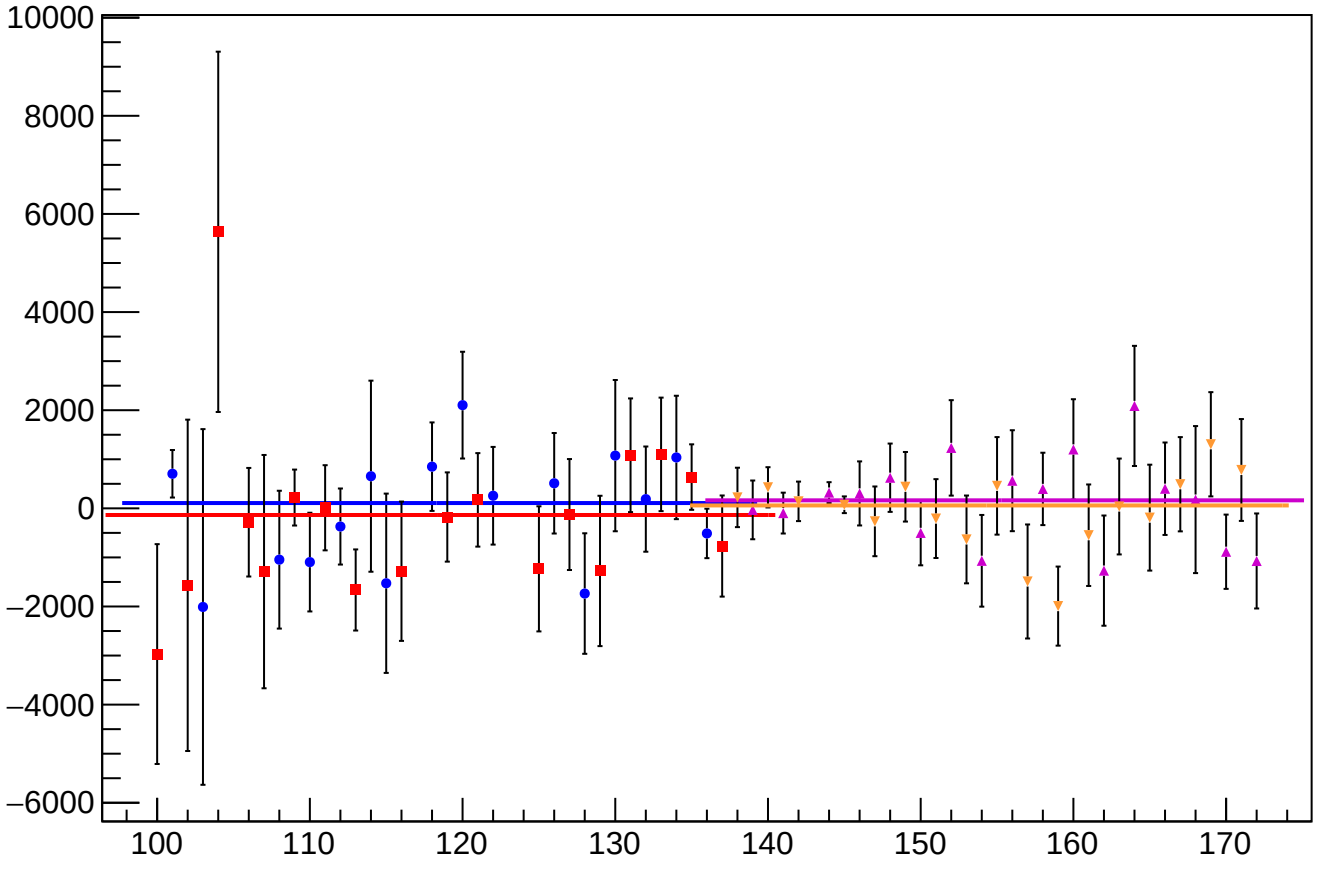
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1780.386+/-0.275 χ^2/NDF:754105.7/32

Out: 1789.529+/-0.280 χ^2/NDF:444219.9/34

All: 1784.878+/-0.196 χ^2/NDF: 1198867.2/67

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: 59.371+/-123.927 χ^2/NDF:13.0/16

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: 104.215+/-93.516 χ^2/NDF: 27.8/33

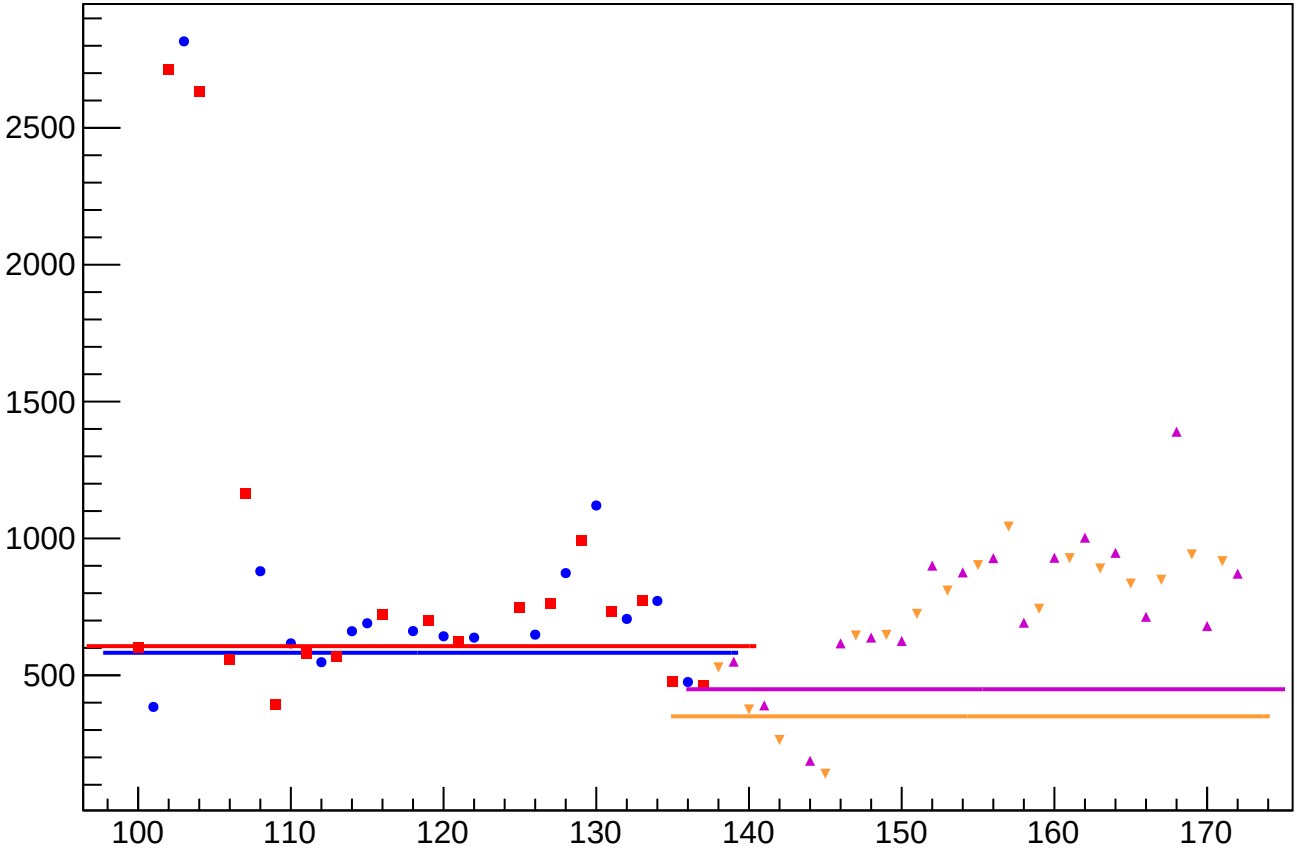
Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 148.319+/-121.393 χ^2/NDF:28.7/32

Out: 19.939+/-110.670 χ^2/NDF:27.9/34

All: 78.209+/-81.784 χ^2/NDF: 57.2/67

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: 349.942+/-0.088 χ^2/NDF:10170811.9/16

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 449.028+/-0.101 χ^2/NDF:7819125.6/16

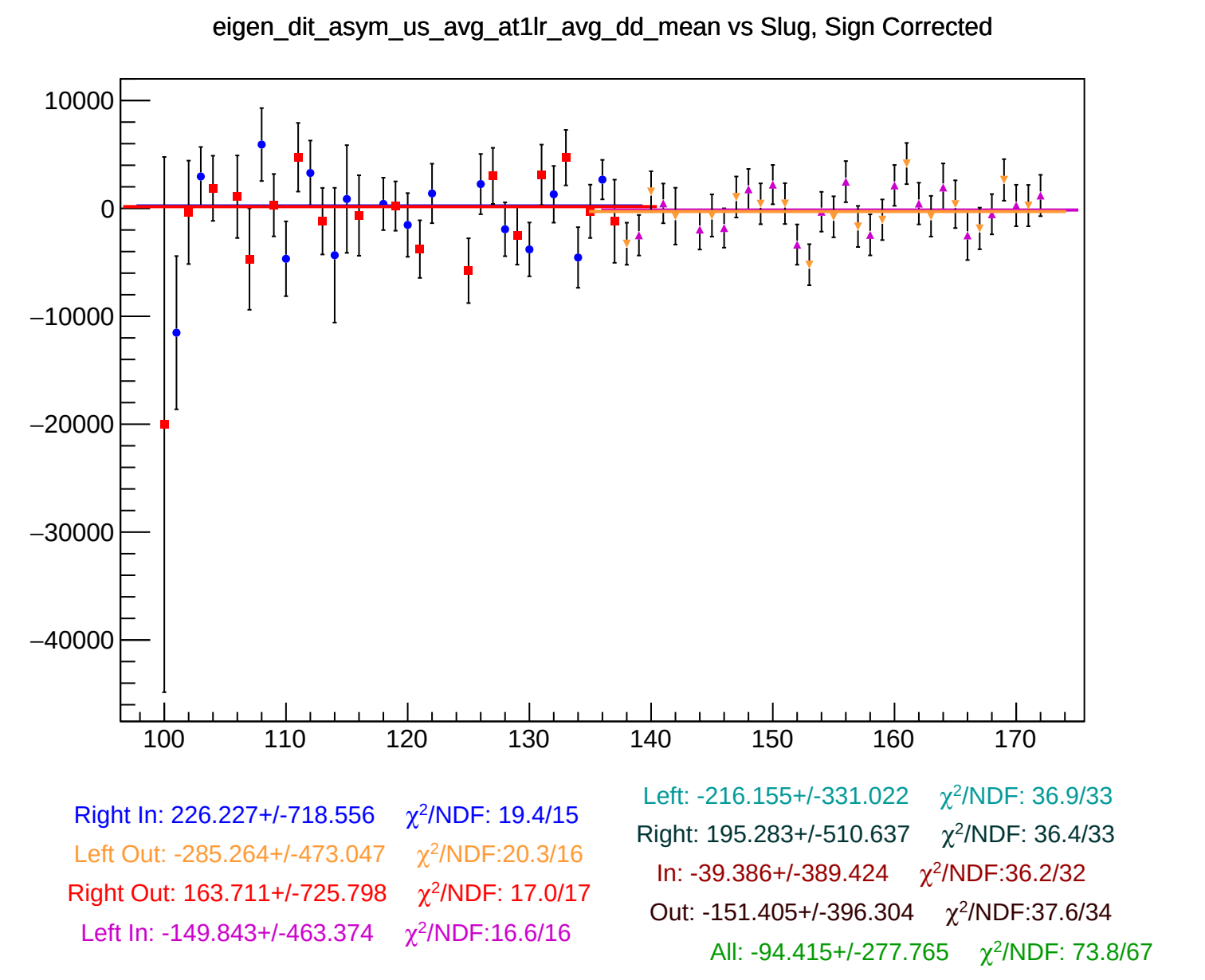
Left: 392.605+/-0.066 χ^2/NDF: 18540442.8/33

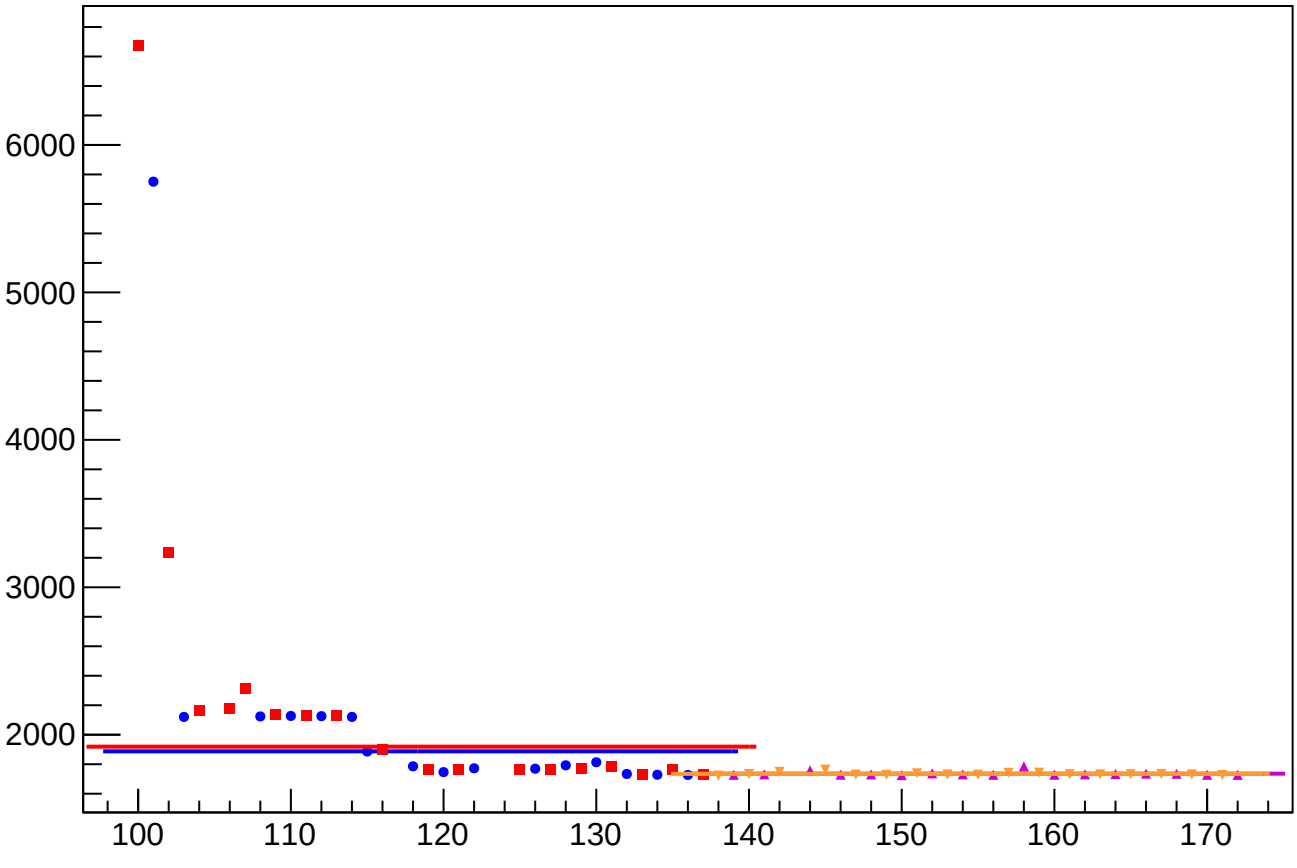
Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 485.599+/-0.086 χ^2/NDF:10053245.8/32

Out: 401.885+/-0.078 χ^2/NDF:14104332.7/34

All: 439.882+/-0.058 χ^2/NDF: 24676989.9/67


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: 226.227+/-718.556 χ²/NDF: 19.4/15
Left Out: -285.264+/-473.047 χ²/NDF:20.3/16
Right Out: 163.711+/-725.798 χ²/NDF: 17.0/17
Left In: -149.843+/-463.374 χ²/NDF:16.6/16
Left: -216.155+/-331.022 χ²/NDF: 36.9/33
Right: 195.283+/-510.637 χ²/NDF: 36.4/33
In: -39.386+/-389.424 χ²/NDF:36.2/32
Out: -151.405+/-396.304 χ²/NDF:37.6/34
All: -94.415+/-277.765 χ²/NDF: 73.8/67



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1734.461+/-0.334 χ^2/NDF:746.5/16

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1735.921+/-0.328 χ^2/NDF:1961.3/16

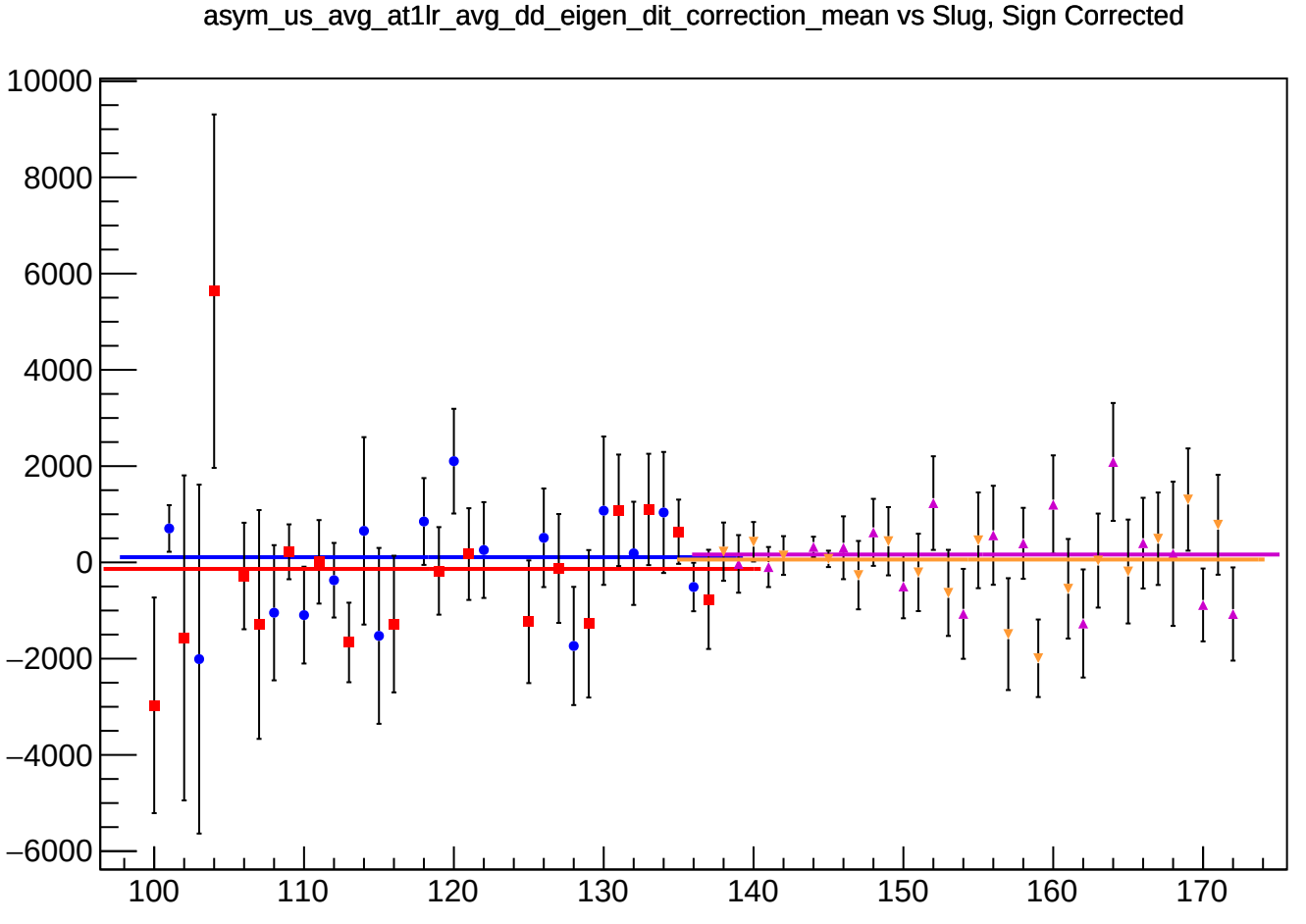
Left: 1735.206+/-0.234 χ^2/NDF: 2717.5/33

Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1780.386+/-0.275 χ^2/NDF:754105.3/32

Out: 1789.529+/-0.280 χ^2/NDF:444219.0/34

All: 1784.878+/-0.196 χ^2/NDF: 1198866.0/67



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 59.370+/-123.927 χ^2/NDF:13.0/16

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: 104.214+/-93.516 χ^2/NDF: 27.8/33

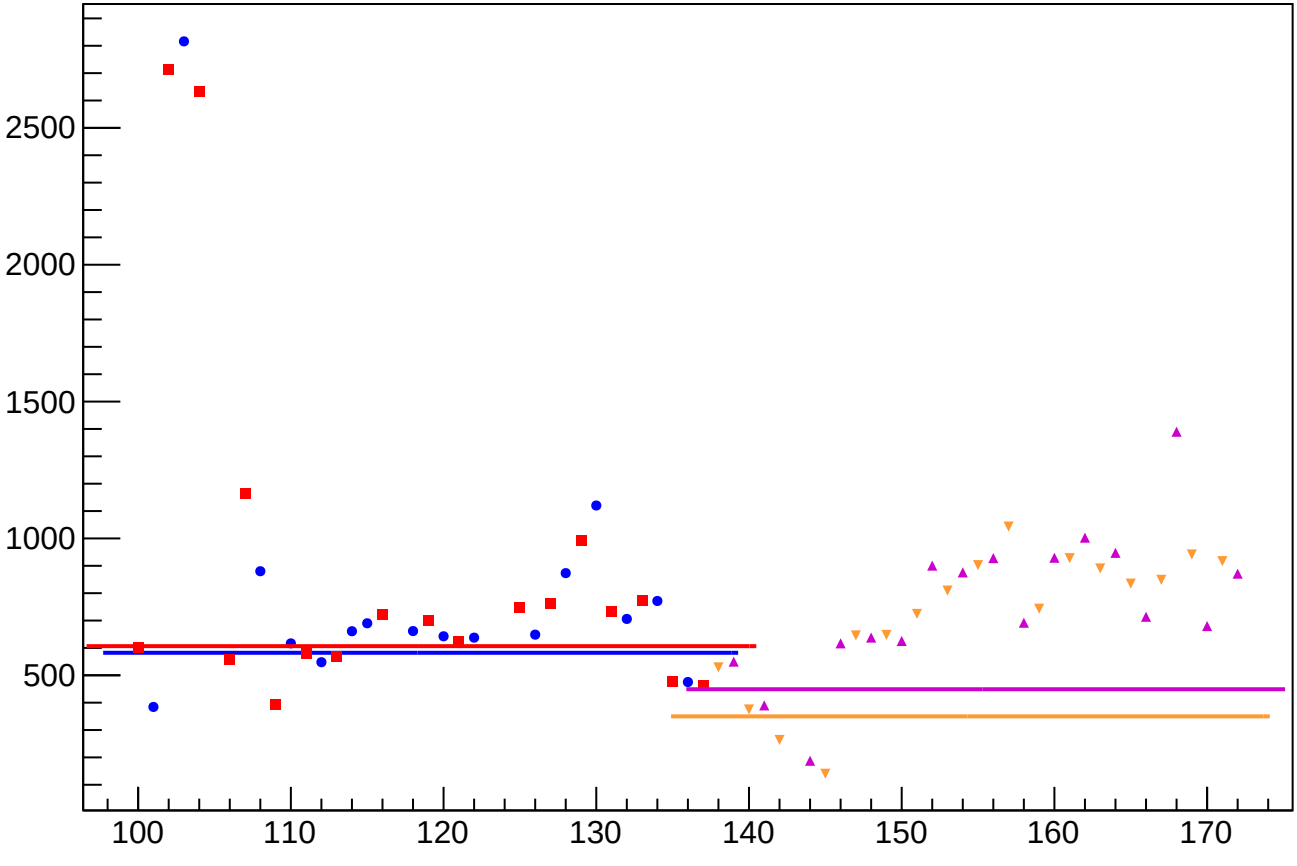
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 148.318+/-121.393 χ^2/NDF:28.7/32

Out: 19.937+/-110.670 χ^2/NDF:27.9/34

All: 78.208+/-81.784 χ^2/NDF: 57.2/67

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: 349.942+/-0.088 χ^2/NDF:10170845.7/16

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 449.028+/-0.101 χ^2/NDF:7819146.4/16

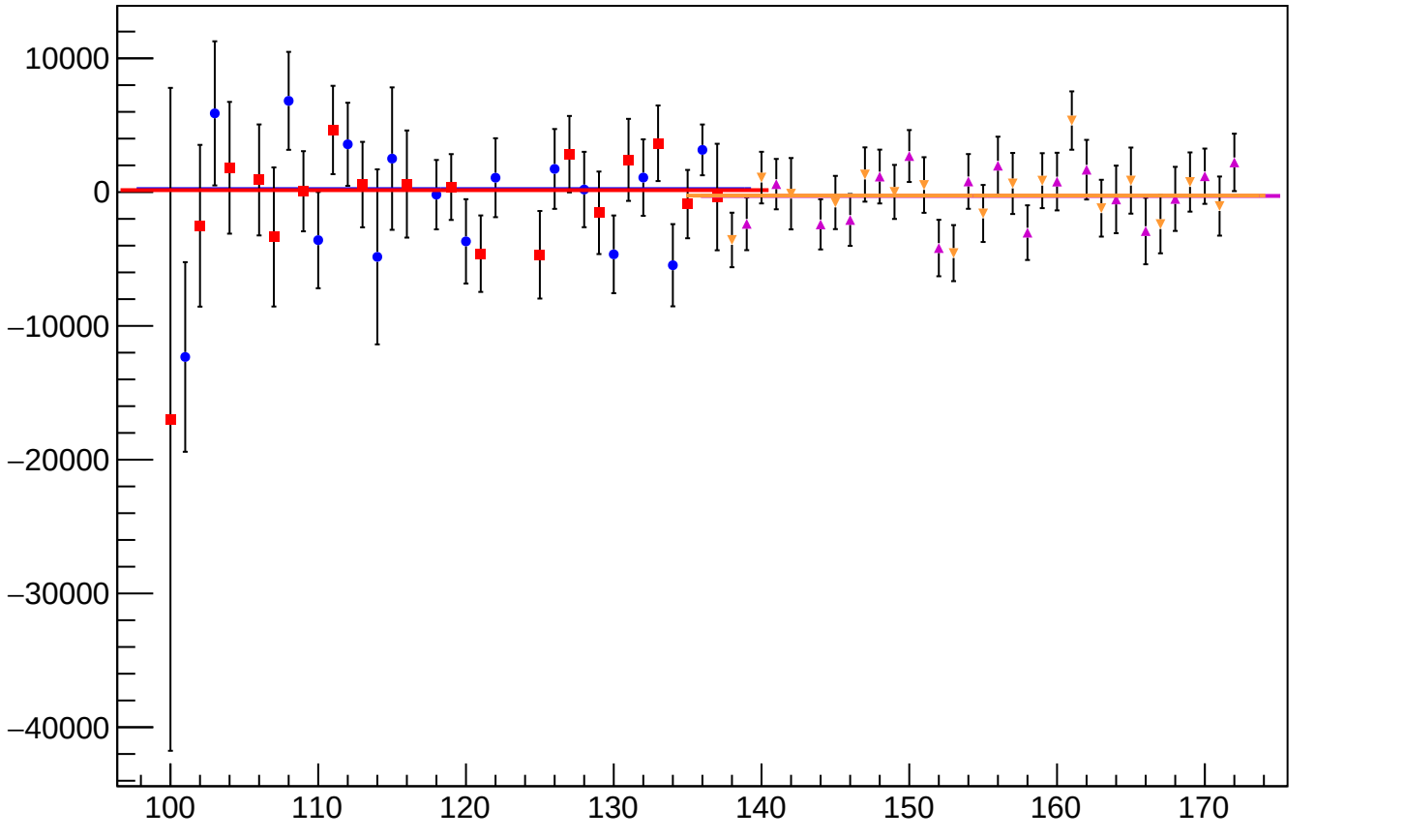
Left: 392.605+/-0.066 χ^2/NDF: 18540502.5/33

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 485.599+/-0.086 χ^2/NDF:10053239.6/32

Out: 401.885+/-0.078 χ^2/NDF:14104345.9/34

All: 439.882+/-0.058 χ^2/NDF: 24677002.8/67



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -258.724+/-518.956 χ^2/NDF:17.3/16

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: -285.430+/-507.679 χ^2/NDF:17.0/16

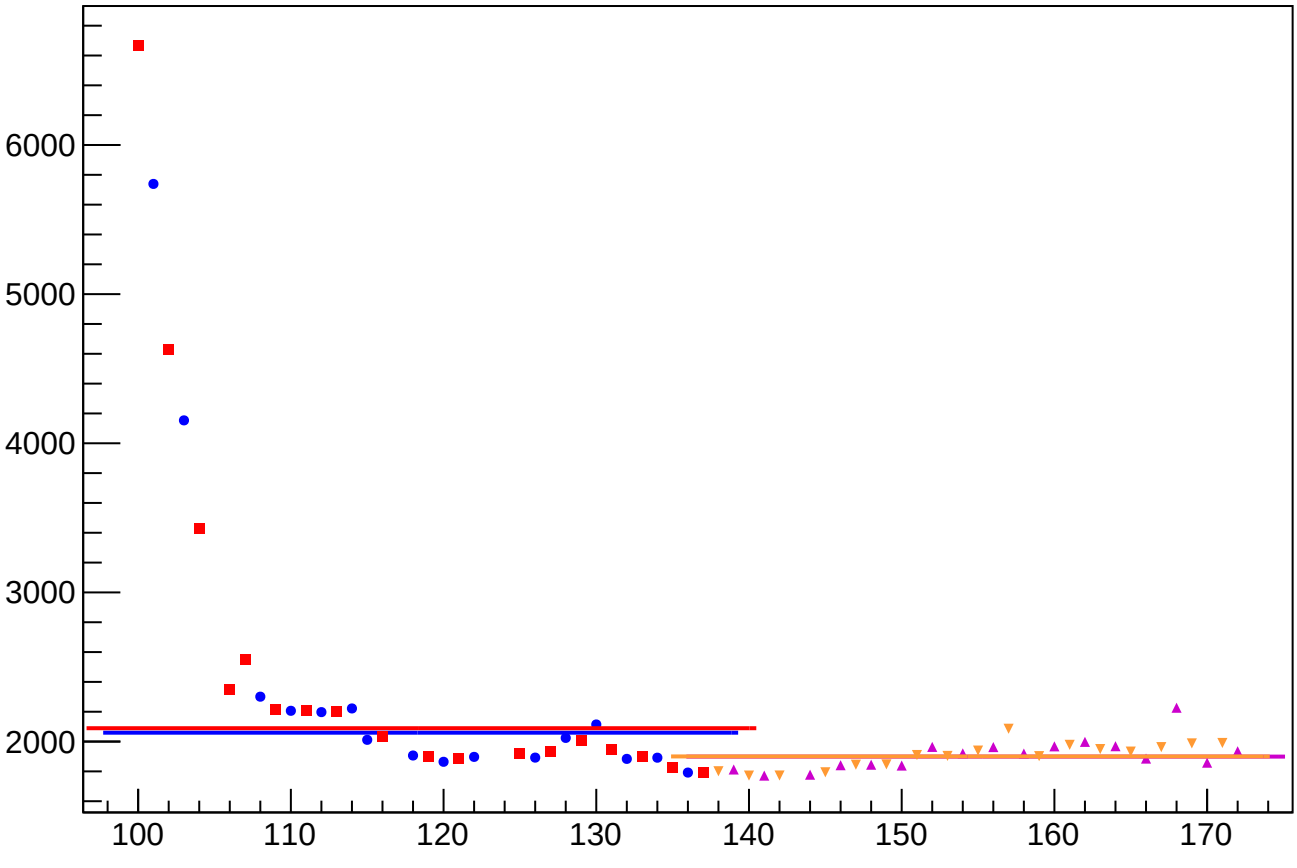
Left: -272.370+/-362.904 χ^2/NDF: 34.3/33

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: -136.832+/-427.357 χ^2/NDF:38.5/32

Out: -137.029+/-434.429 χ^2/NDF:29.1/34

All: -136.929+/-304.657 χ^2/NDF: 67.5/67



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1900.262+/-0.367 χ^2/NDF:52766.0/16

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1899.109+/-0.359 χ^2/NDF:76921.7/16

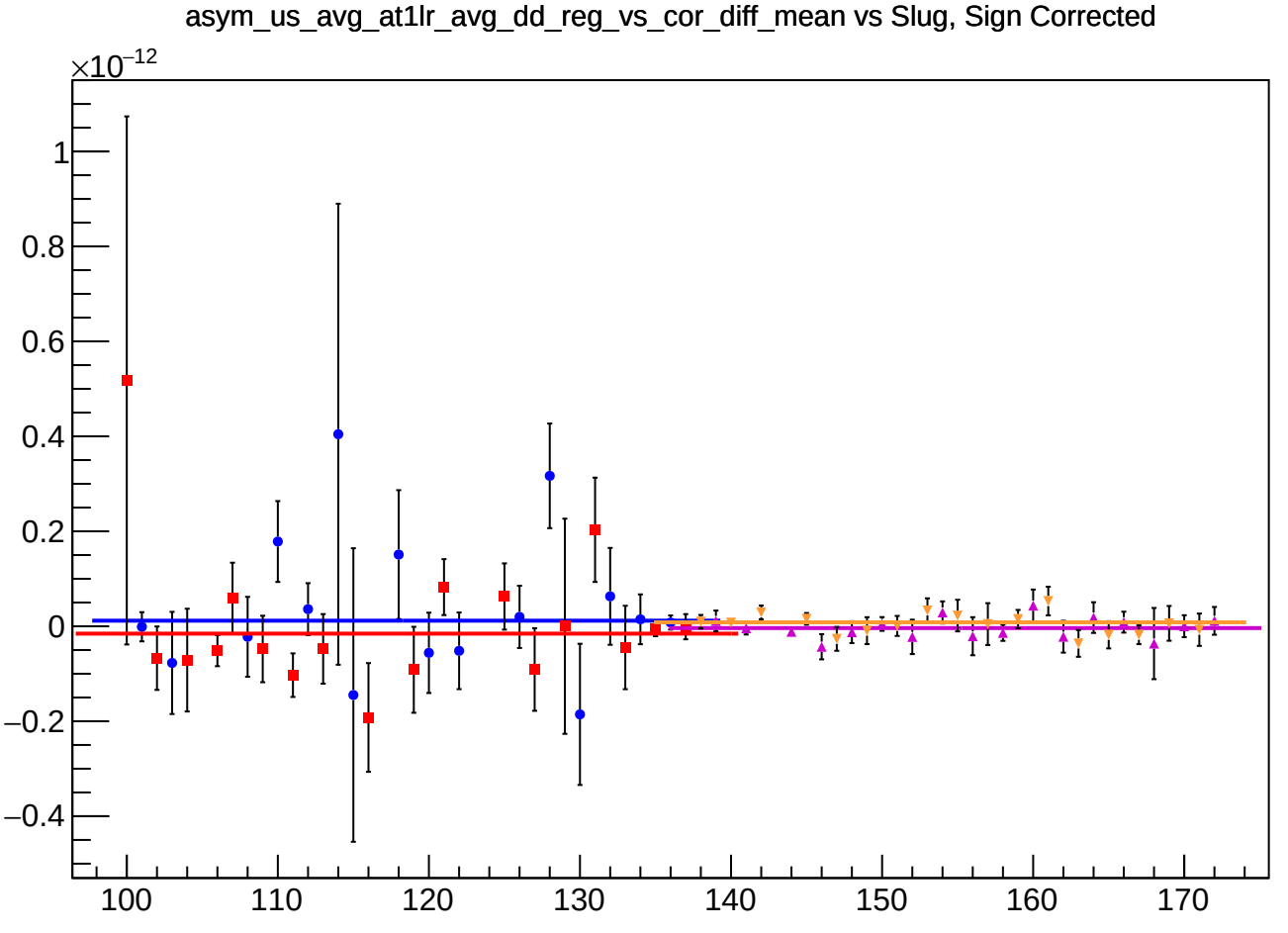
Left: 1899.673+/-0.257 χ^2/NDF: 129692.7/33

Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1945.846+/-0.302 χ^2/NDF:1074961.9/32

Out: 1956.881+/-0.307 χ^2/NDF:813788.9/34

All: 1951.272+/-0.215 χ^2/NDF: 1889406.5/67



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/16

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/17

Left In: -0.000+/-0.000 χ^2/NDF:10.2/16

Left: 0.000+/-0.000 χ^2/NDF: 27.1/33

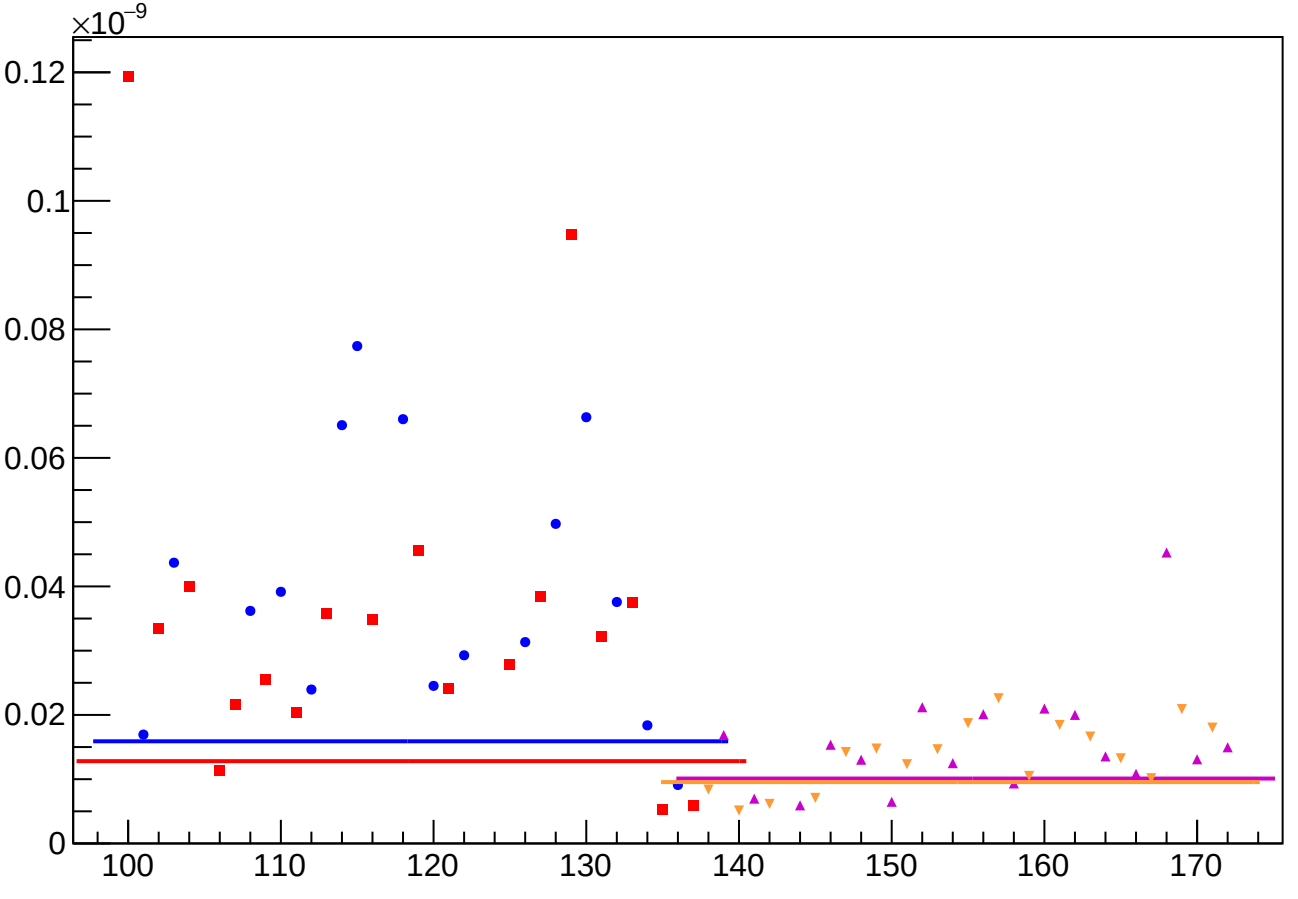
Right: -0.000+/-0.000 χ^2/NDF: 41.8/33

In: -0.000+/-0.000 χ^2/NDF:29.8/32

Out: 0.000+/-0.000 χ^2/NDF:38.6/34

All: 0.000+/-0.000 χ^2/NDF: 69.2/67

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1935582.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1861642.6/16

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: 4095906.3/33

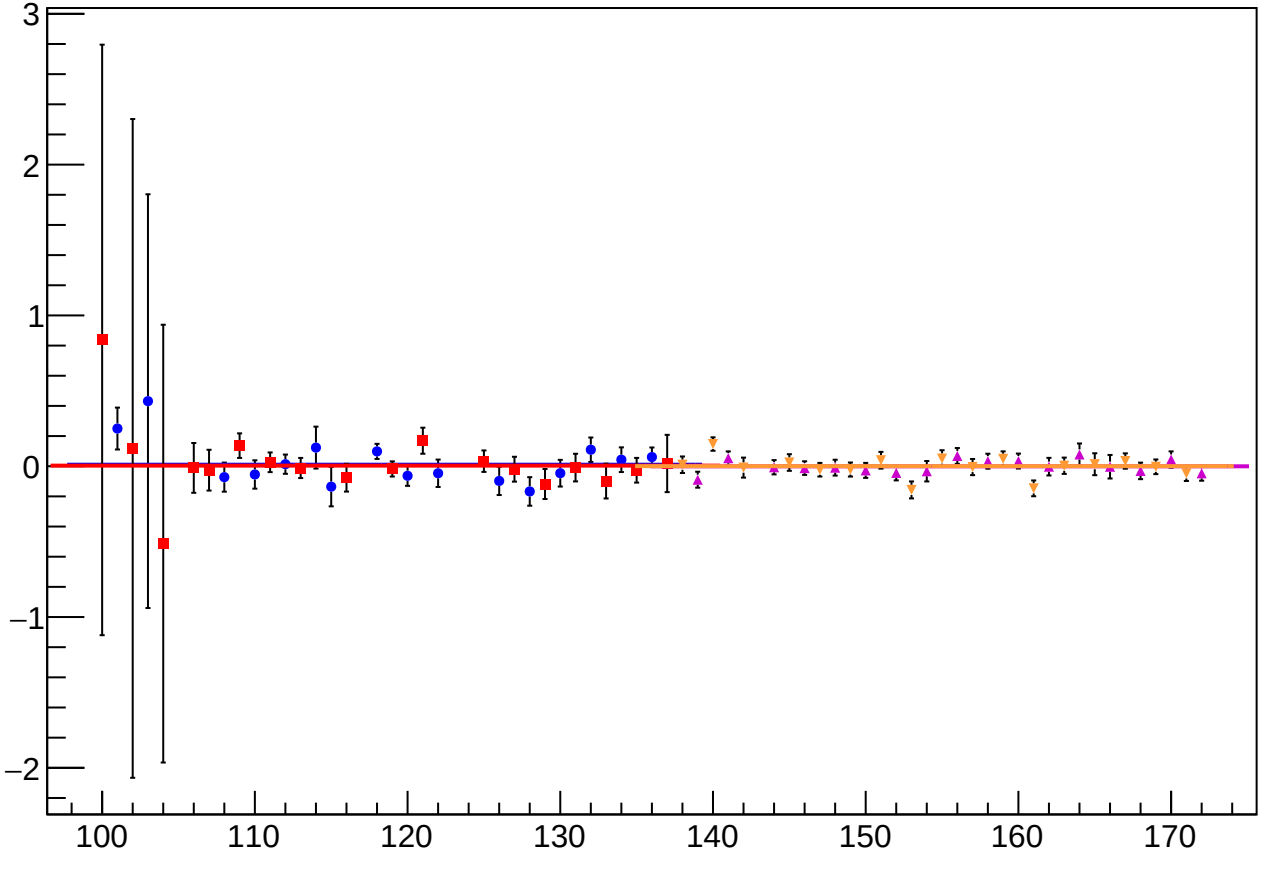
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:4583135.9/32

Out: 0.000+/-0.000 χ^2/NDF:4503834.9/34

All: 0.000+/-0.000 χ^2/NDF: 9128364.8/67

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: 0.000+/-0.013 χ^2/NDF:31.0/16

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: -0.000+/-0.009 χ^2/NDF: 42.4/33

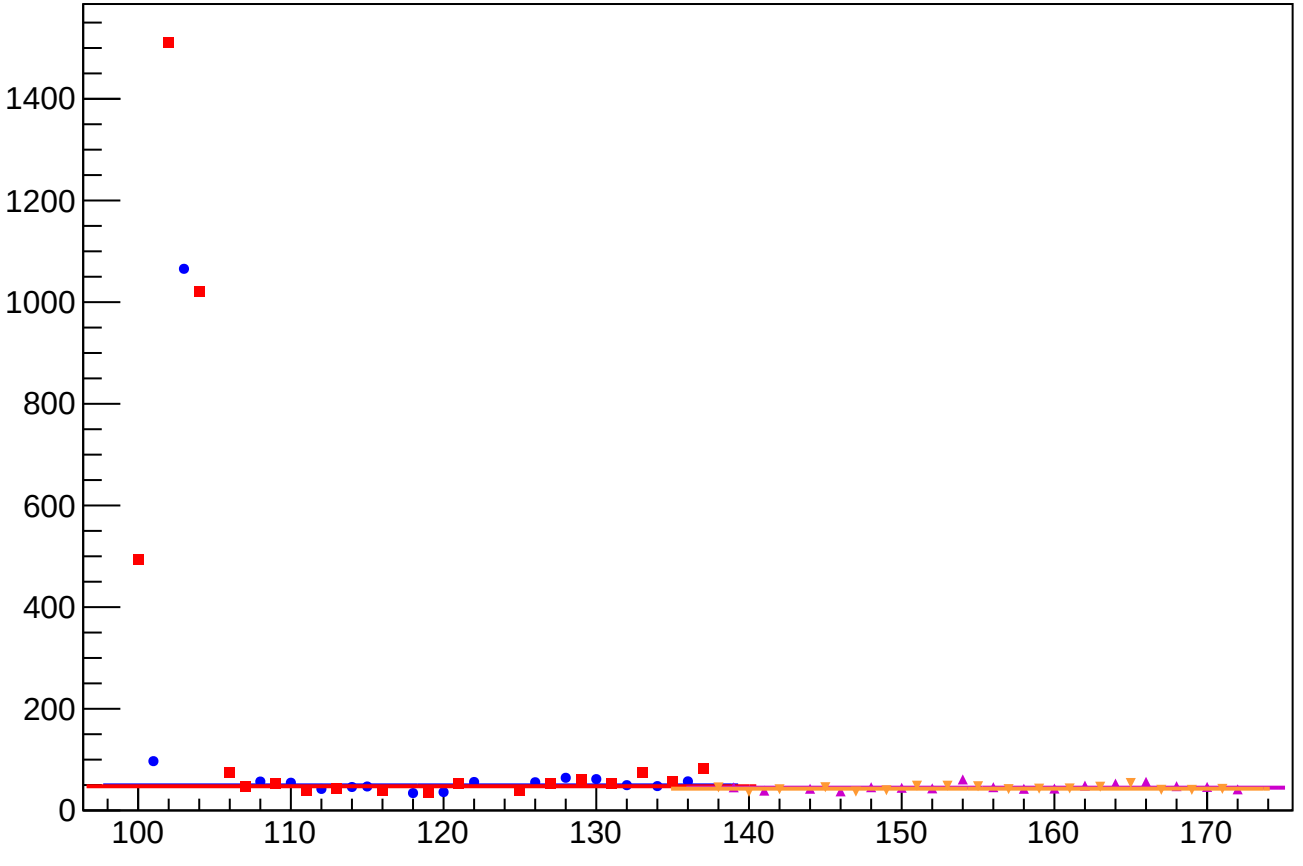
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.002+/-0.011 χ^2/NDF:30.0/32

Out: 0.001+/-0.011 χ^2/NDF:41.5/34

All: 0.002+/-0.008 χ^2/NDF: 71.5/67

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: 42.889+/-0.009 χ^2/NDF:217961.9/16

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: 43.843+/-0.006 χ^2/NDF: 545728.1/33

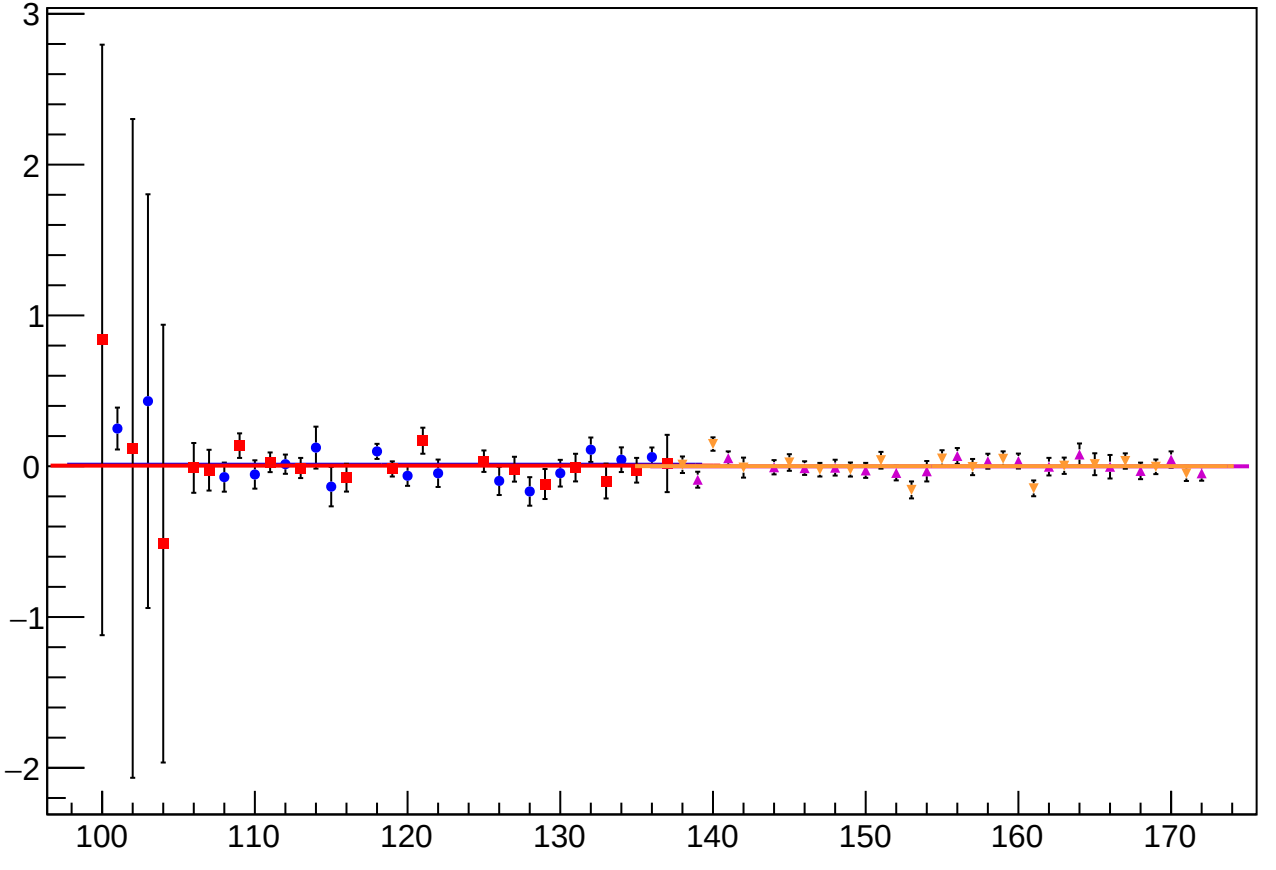
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.043+/-0.008 χ^2/NDF:2149870.4/32

Out: 44.113+/-0.008 χ^2/NDF:2707299.9/34

All: 45.080+/-0.005 χ^2/NDF: 4888258.8/67

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: 0.000+/-0.013 χ^2/NDF:31.0/16

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: -0.000+/-0.009 χ^2/NDF: 42.4/33

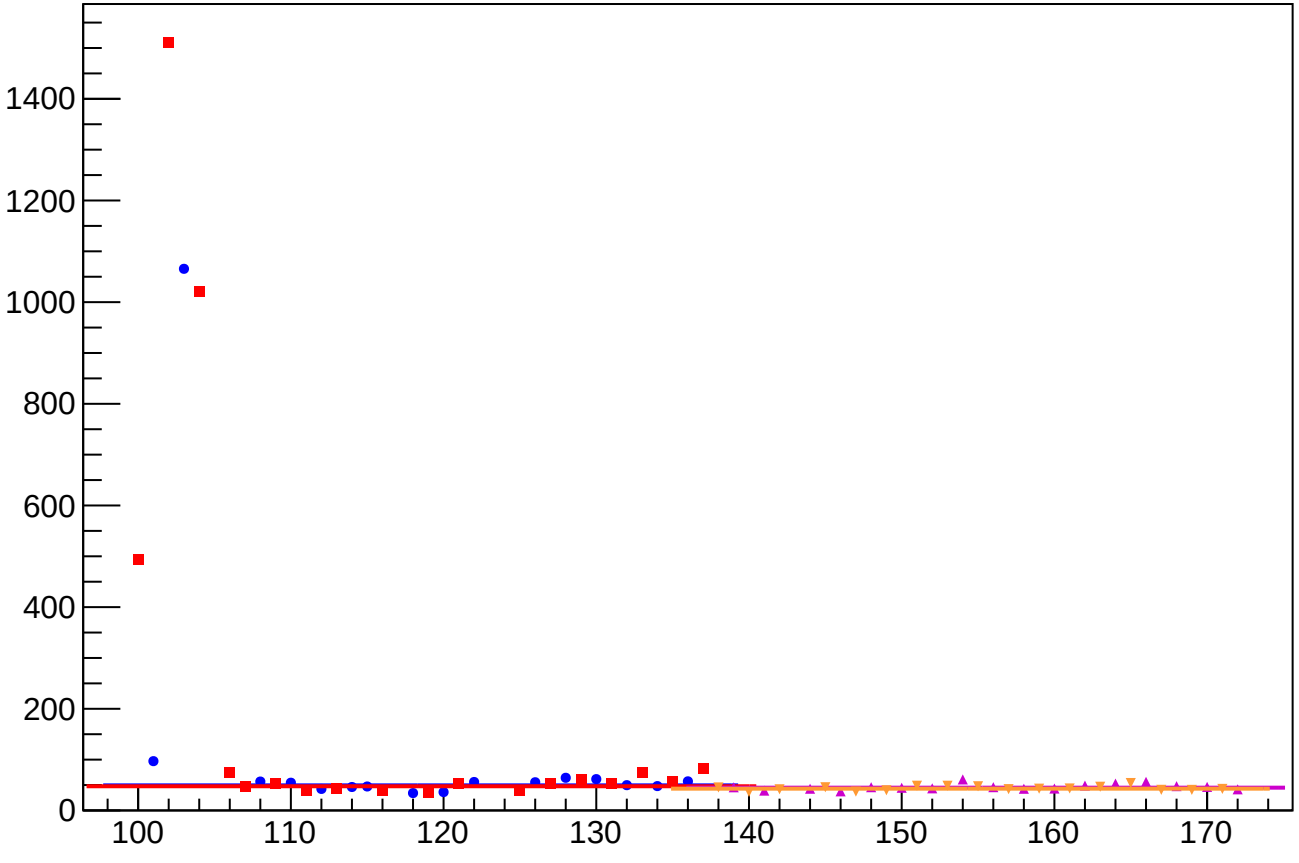
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.002+/-0.011 χ^2/NDF:30.0/32

Out: 0.001+/-0.011 χ^2/NDF:41.5/34

All: 0.002+/-0.008 χ^2/NDF: 71.5/67

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: 42.889+/-0.009 χ^2/NDF:217961.9/16

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 44.811+/-0.009 χ^2/NDF:305131.2/16

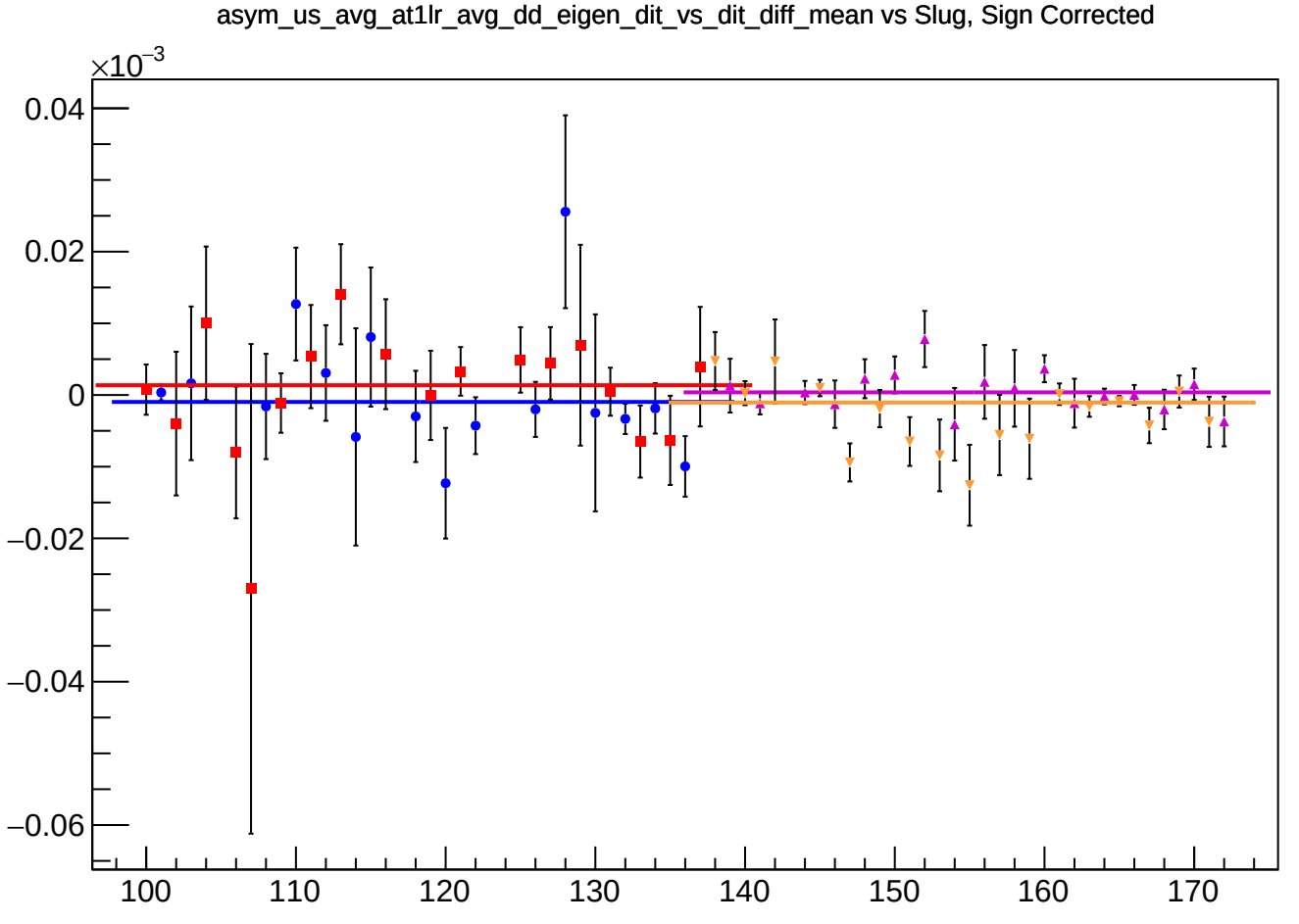
Left: 43.843+/-0.006 χ^2/NDF: 545728.1/33

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.043+/-0.008 χ^2/NDF:2149870.4/32

Out: 44.113+/-0.008 χ^2/NDF:2707299.9/34

All: 45.080+/-0.005 χ^2/NDF: 4888258.8/67



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.7/16

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:13.1/16

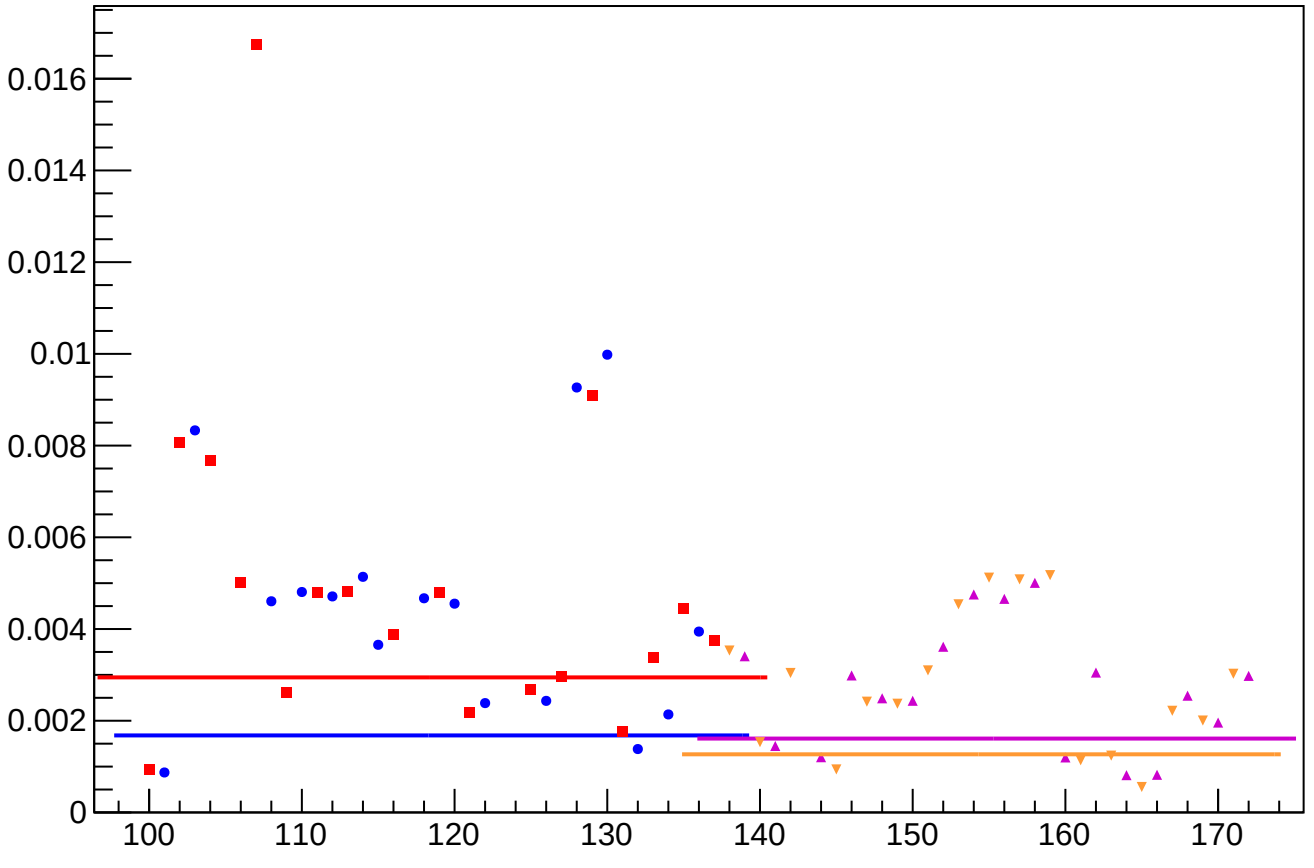
Left: -0.000+/-0.000 χ^2/NDF: 48.1/33

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:46.5/34

All: -0.000+/-0.000 χ^2/NDF: 81.7/67



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:9046585.0/16

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: 16465424.2/33

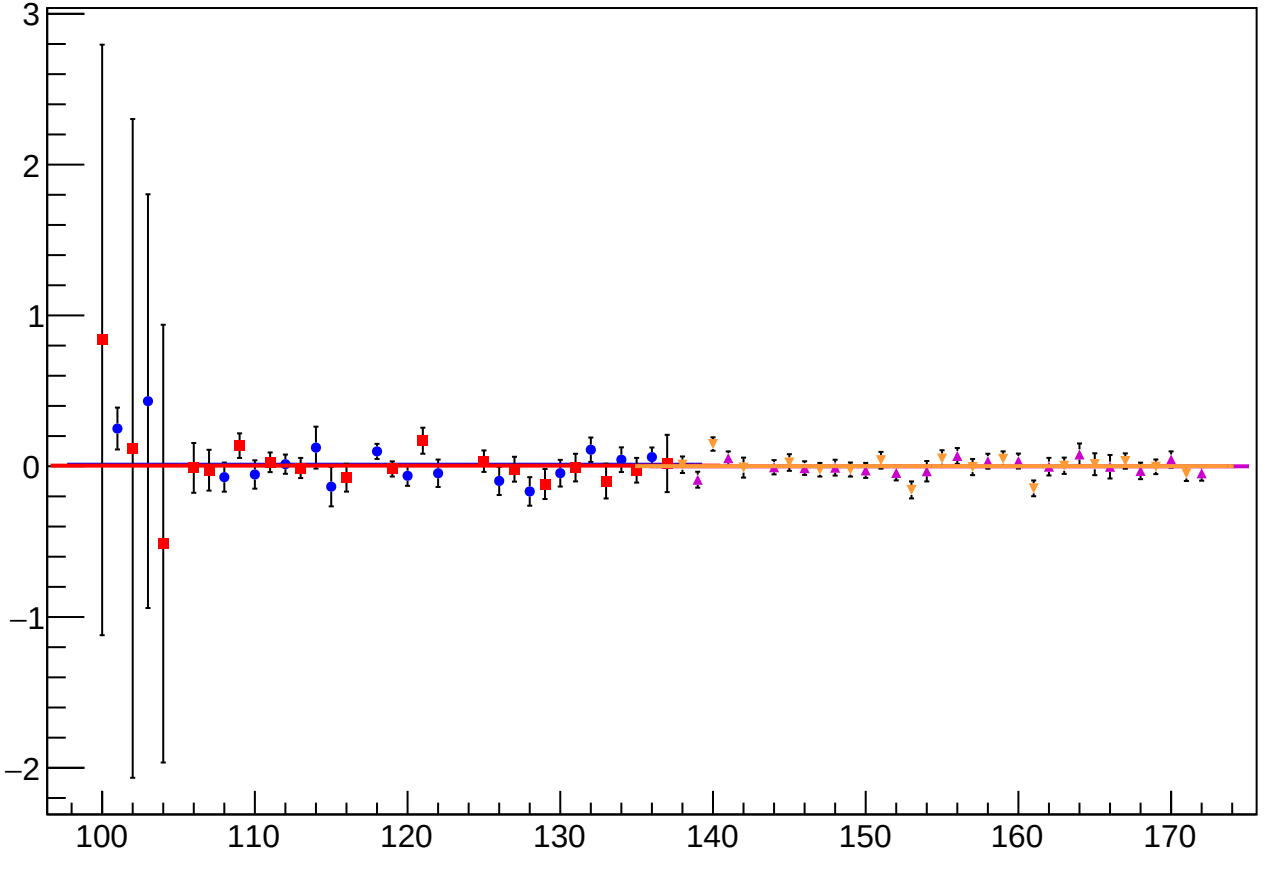
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:12895512.8/32

Out: 0.001+/-0.000 χ^2/NDF:15450249.8/34

All: 0.002+/-0.000 χ^2/NDF: 28526971.5/67

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: 0.000+/-0.013 χ^2/NDF:31.0/16

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: -0.000+/-0.009 χ^2/NDF: 42.4/33

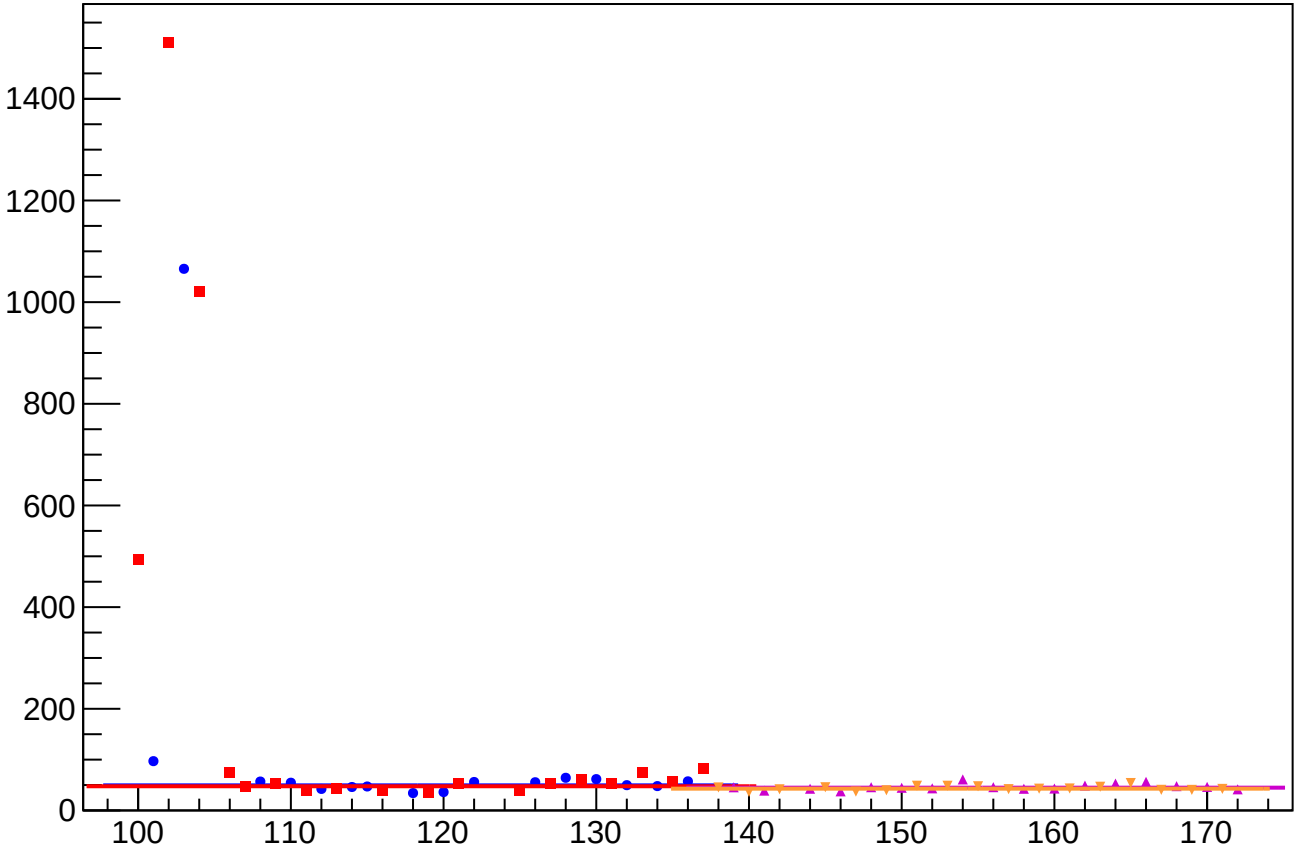
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.002+/-0.011 χ^2/NDF:30.0/32

Out: 0.001+/-0.011 χ^2/NDF:41.5/34

All: 0.002+/-0.008 χ^2/NDF: 71.5/67

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: 42.889+/-0.009 χ^2/NDF:217980.8/16

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: 43.843+/-0.006 χ^2/NDF: 545799.9/33

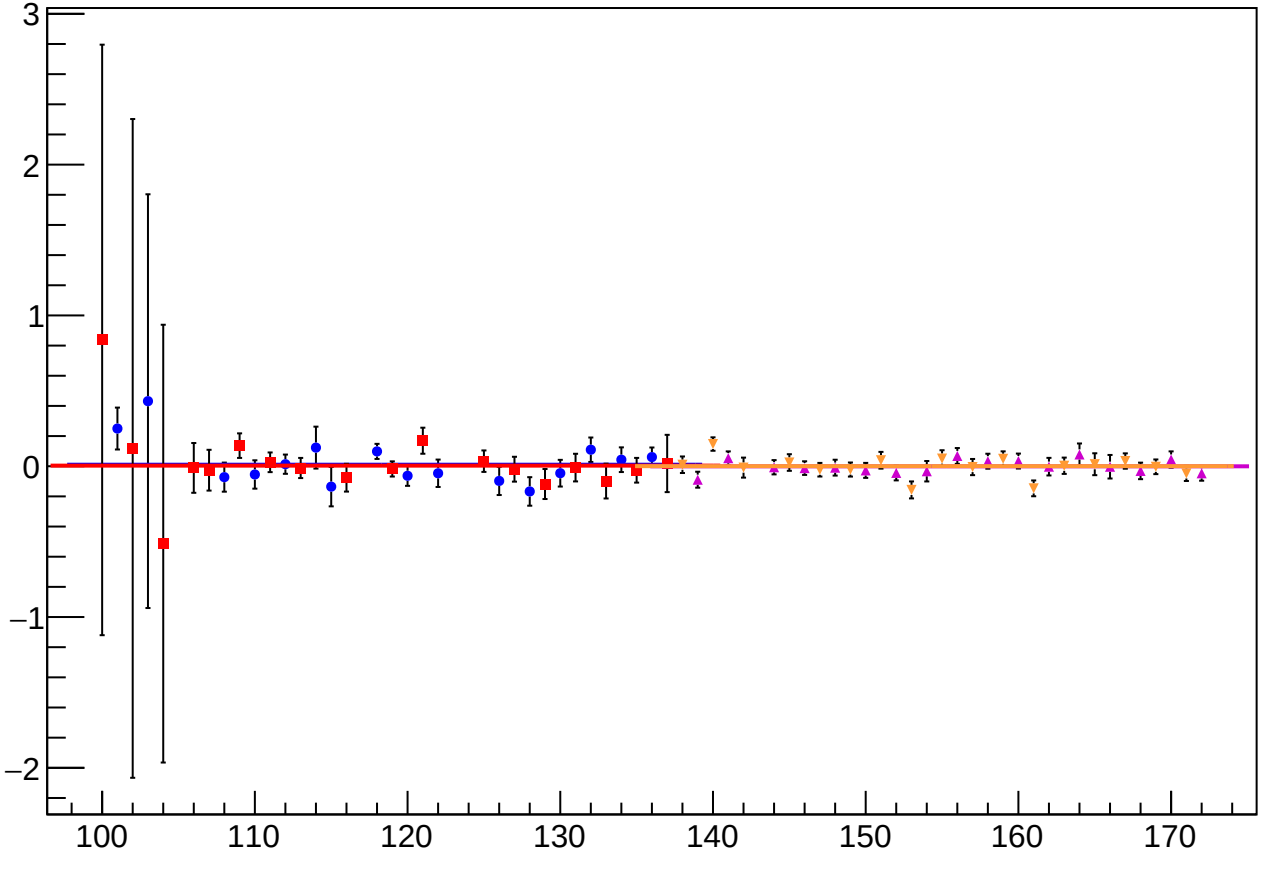
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 46.043+/-0.008 χ^2/NDF:2149883.6/32

Out: 44.113+/-0.008 χ^2/NDF:2707324.6/34

All: 45.079+/-0.005 χ^2/NDF: 4888295.0/67

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: 0.000+/-0.013 χ^2/NDF:31.0/16

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: -0.000+/-0.009 χ^2/NDF: 42.4/33

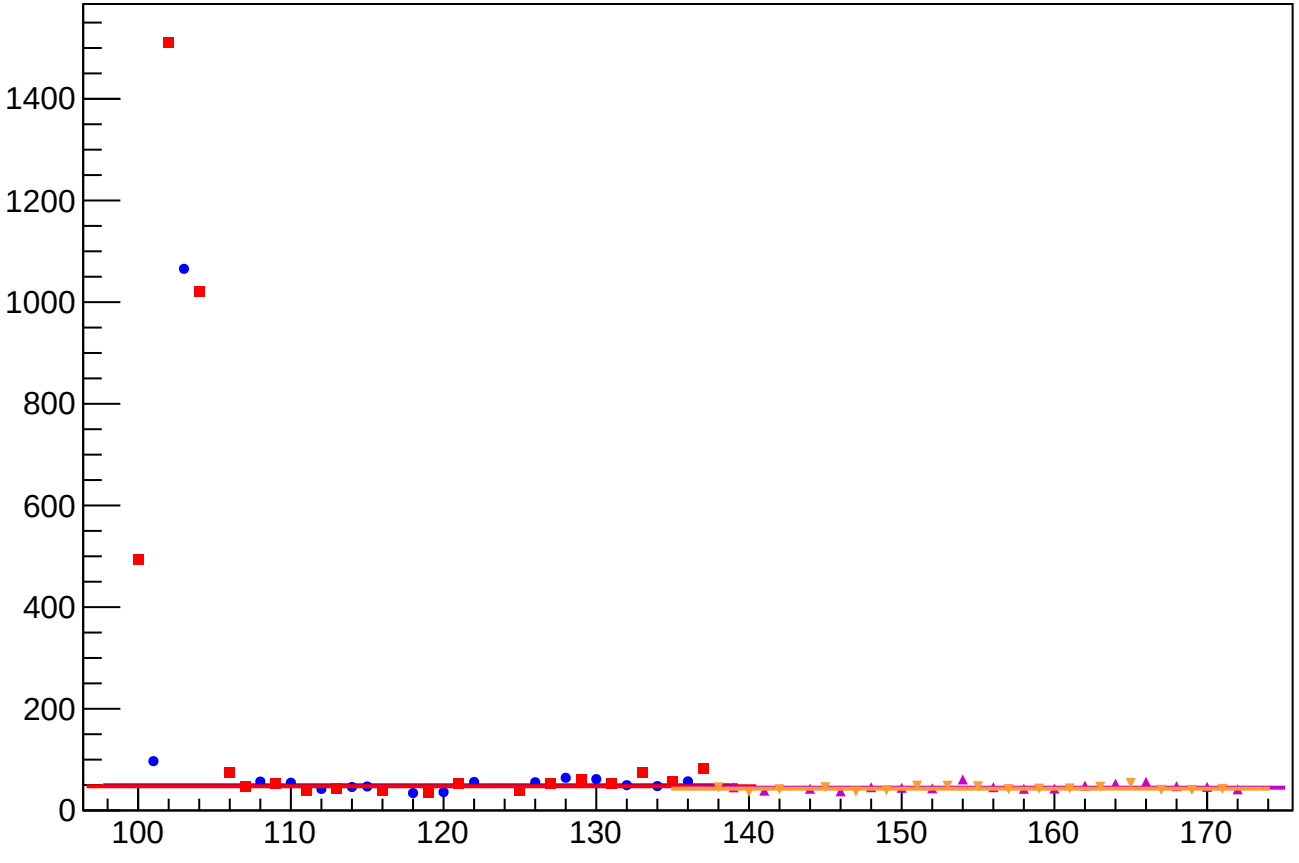
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.002+/-0.011 χ^2/NDF:30.0/32

Out: 0.001+/-0.011 χ^2/NDF:41.5/34

All: 0.002+/-0.008 χ^2/NDF: 71.5/67

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: 42.889+/-0.009 χ^2/NDF:217980.8/16

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 44.811+/-0.009 χ^2/NDF:305195.1/16

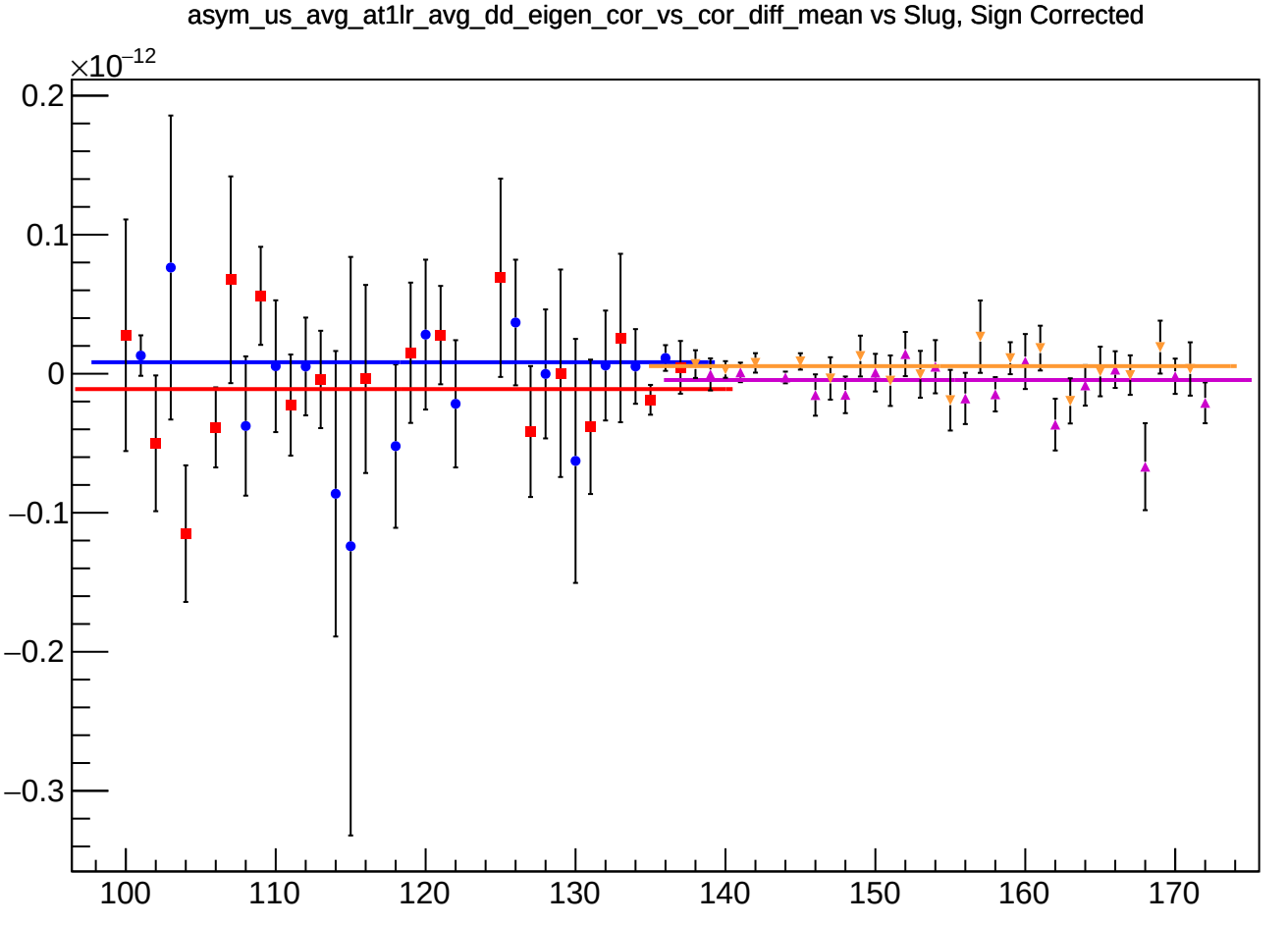
Left: 43.843+/-0.006 χ^2/NDF: 545799.9/33

Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

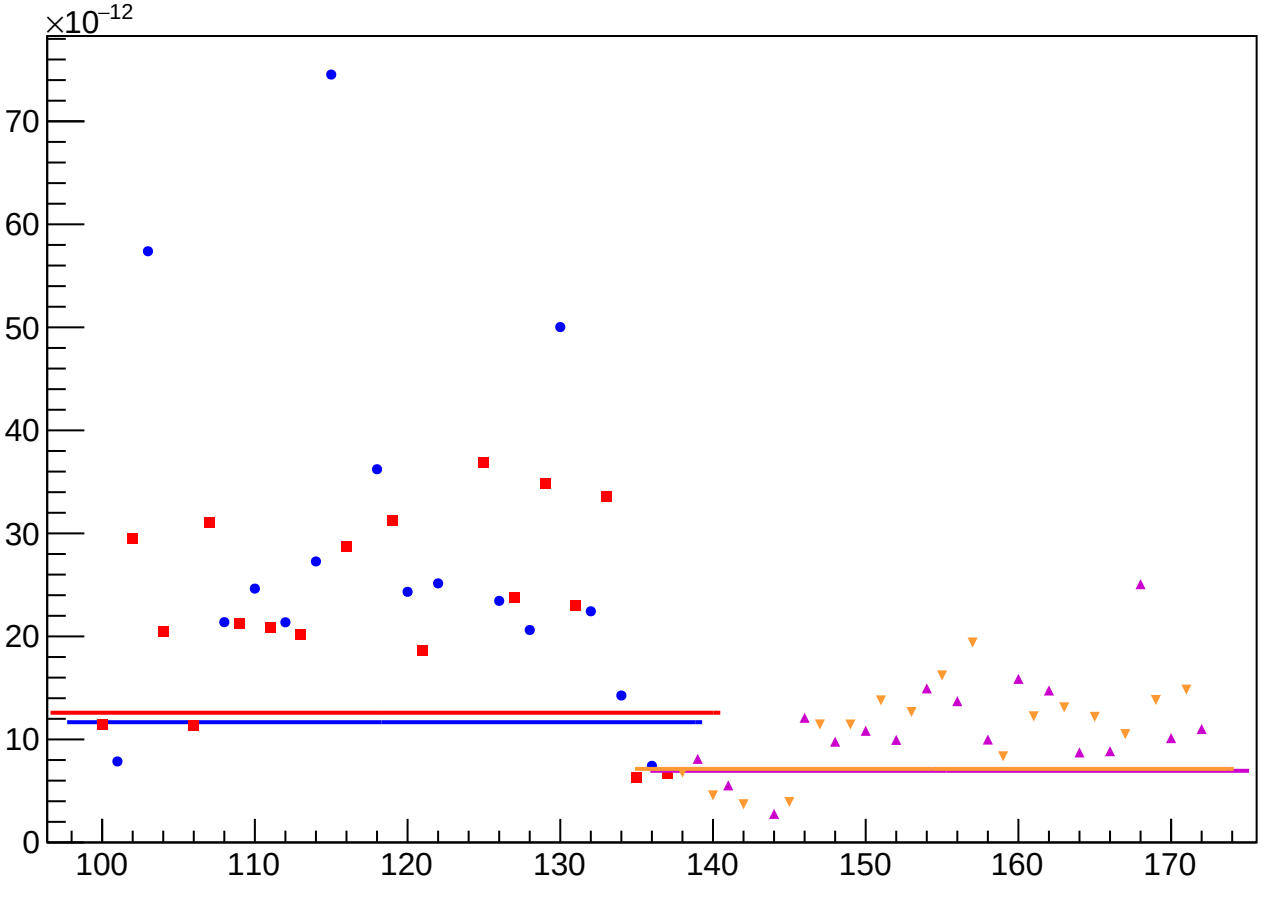
In: 46.043+/-0.008 χ^2/NDF:2149883.6/32

Out: 44.113+/-0.008 χ^2/NDF:2707324.6/34

All: 45.079+/-0.005 χ^2/NDF: 4888295.0/67


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 5.4/15
Left Out: 0.000+/-0.000 χ²/NDF:7.6/16
Right Out: -0.000+/-0.000 χ²/NDF: 16.2/17
Left In: -0.000+/-0.000 χ²/NDF:14.2/16
Left: 0.000+/-0.000 χ²/NDF: 28.7/33
Right: -0.000+/-0.000 χ²/NDF: 25.5/33
In: -0.000+/-0.000 χ²/NDF:22.8/32
Out: 0.000+/-0.000 χ²/NDF:28.4/34
All: 0.000+/-0.000 χ²/NDF: 54.3/67

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2905247.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:4386681.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2923298.3/17

Left In: 0.000+/-0.000 χ^2/NDF:5162186.4/16

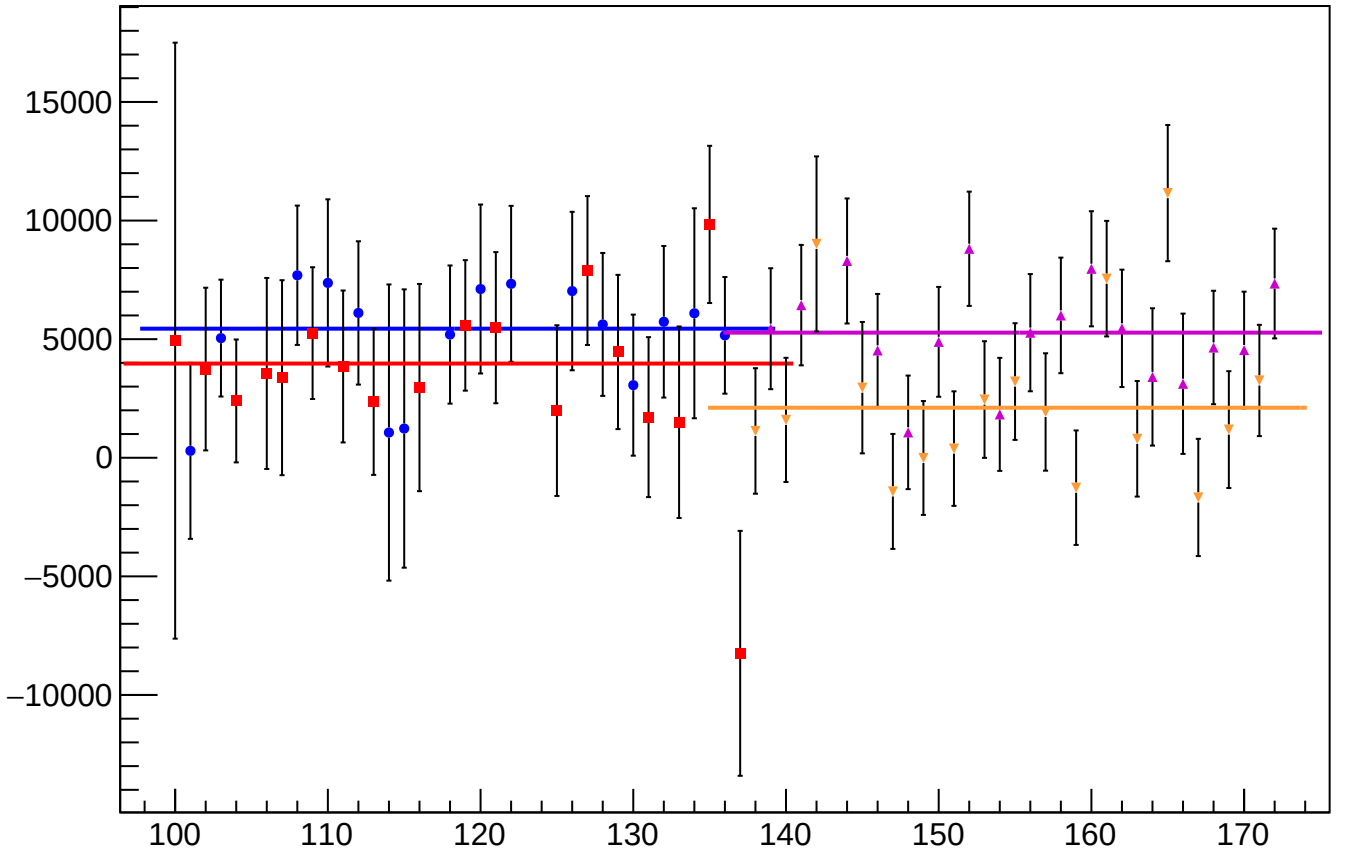
Left: 0.000+/-0.000 χ^2/NDF: 9553721.1/33

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:8306170.6/34

All: 0.000+/-0.000 χ^2/NDF: 17247691.6/67



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2110.168+/-615.216 χ^2/NDF:27.3/16

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: 3728.476+/-430.082 χ^2/NDF: 53.0/33

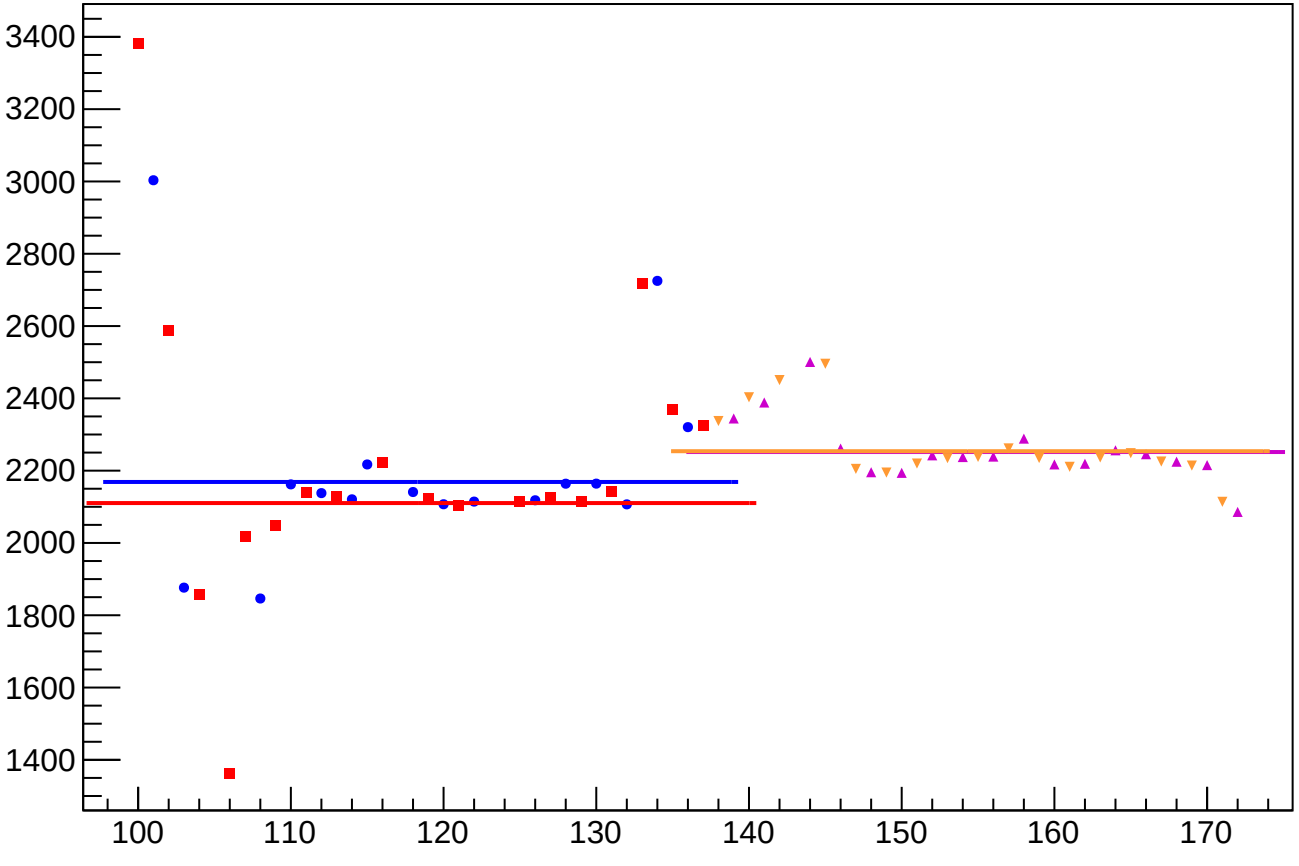
Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5334.418+/-483.432 χ^2/NDF:17.6/32

Out: 2792.236+/-489.707 χ^2/NDF:43.6/34

All: 4079.720+/-344.035 χ^2/NDF: 74.9/67

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2253.801+/-0.435 χ^2/NDF:40849.1/16

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: 2252.637+/-0.304 χ^2/NDF: 81884.4/33

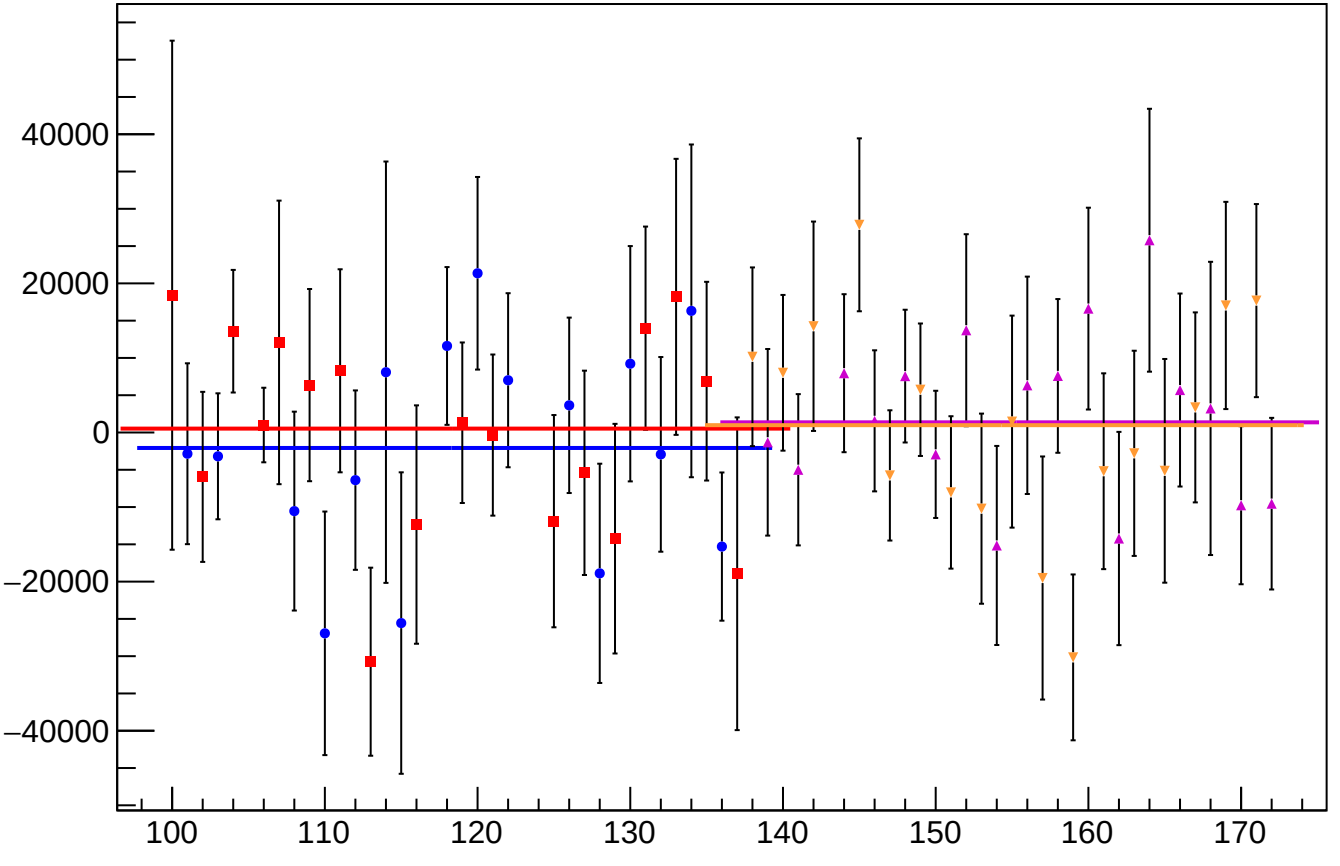
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2222.211+/-0.342 χ^2/NDF:250100.7/32

Out: 2200.176+/-0.344 χ^2/NDF:348907.1/34

All: 2211.270+/-0.243 χ^2/NDF: 601071.0/67

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: 982.545+/-2889.640 χ^2/NDF:22.7/16

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: 1177.965+/-2013.552 χ^2/NDF: 33.7/33

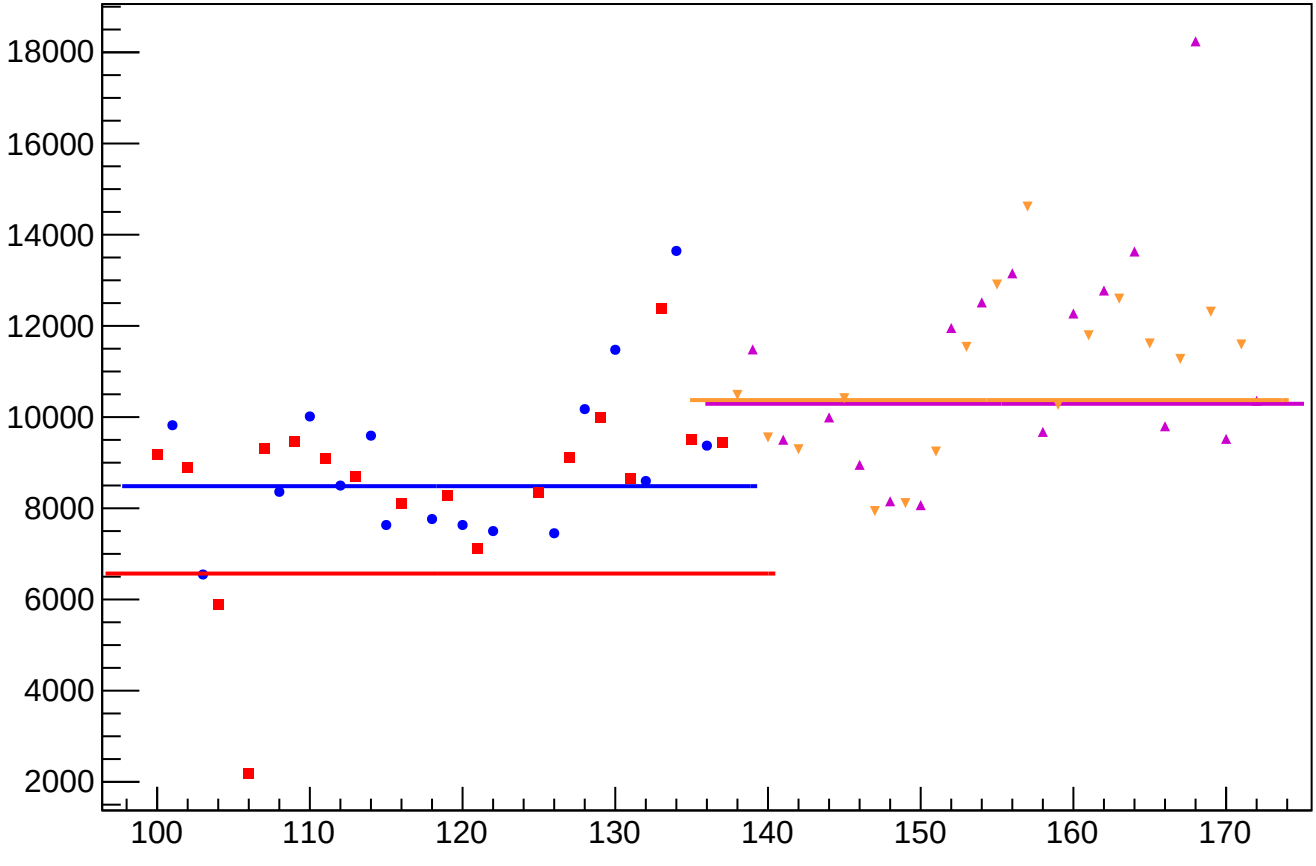
Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -126.126+/-2113.790 χ^2/NDF:26.1/32

Out: 737.695+/-1978.882 χ^2/NDF:38.3/34

All: 334.228+/-1444.621 χ^2/NDF: 64.5/67

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 8485.000+/-2.271 χ^2/NDF: 422706.1/15

Left Out: 10372.571+/-2.043 χ^2/NDF:705398.0/16

Right Out: 6568.711+/-1.920 χ^2/NDF: 2568887.0/17

Left In: 10291.819+/-1.985 χ^2/NDF:1011411.3/16

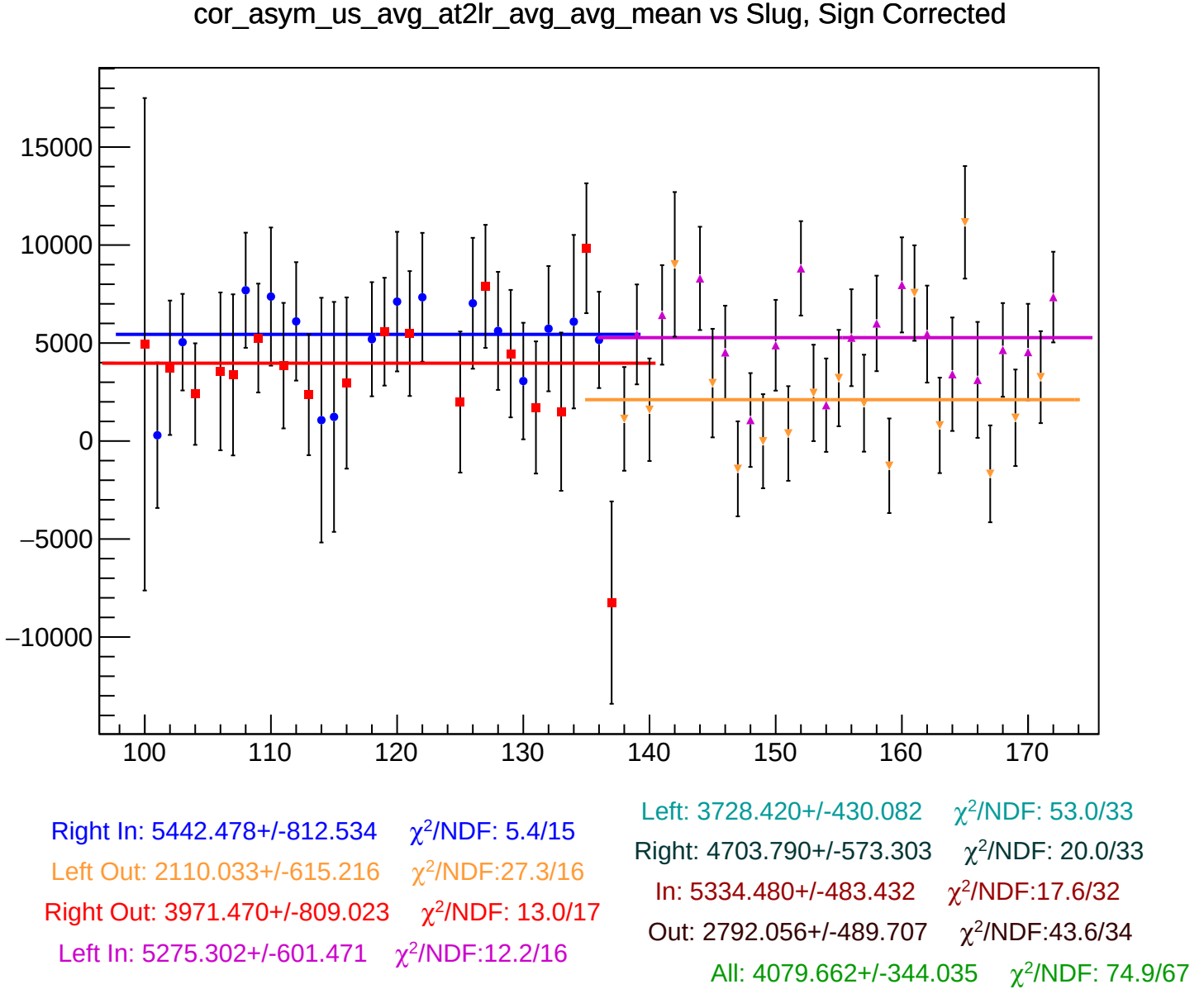
Left: 10331.028+/-1.424 χ^2/NDF: 1717612.8/33

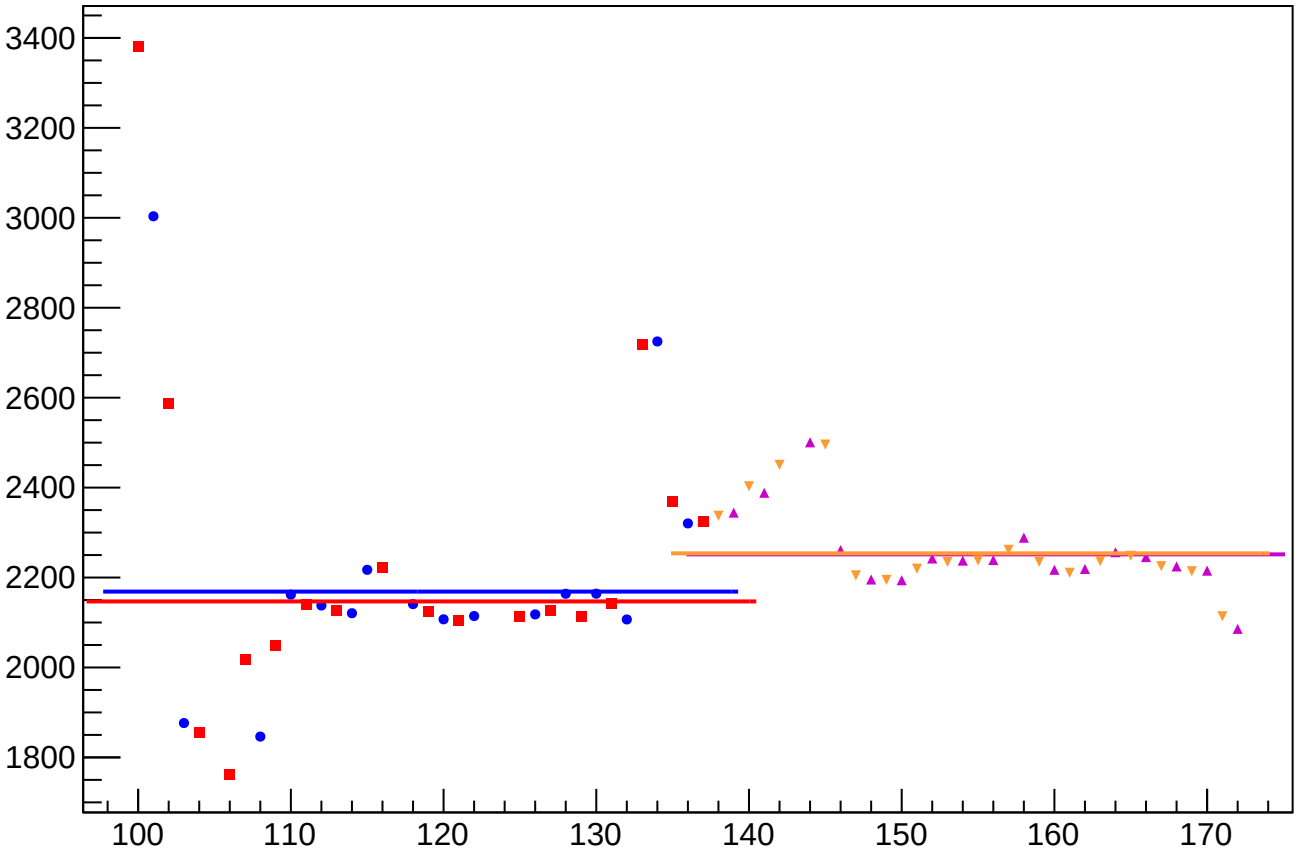
Right: 7367.464+/-1.466 χ^2/NDF: 3406715.7/33

In: 9509.358+/-1.495 χ^2/NDF:1792891.1/32

Out: 8352.637+/-1.399 χ^2/NDF:5114650.6/34

All: 8892.910+/-1.022 χ^2/NDF: 7226718.7/67


cor_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 5442.478+/-812.534 χ²/NDF: 5.4/15
Left Out: 2110.033+/-615.216 χ²/NDF:27.3/16
Right Out: 3971.470+/-809.023 χ²/NDF: 13.0/17
Left In: 5275.302+/-601.471 χ²/NDF:12.2/16
Left: 3728.420+/-430.082 χ²/NDF: 53.0/33
Right: 4703.790+/-573.303 χ²/NDF: 20.0/33
In: 5334.480+/-483.432 χ²/NDF:17.6/32
Out: 2792.056+/-489.707 χ²/NDF:43.6/34
All: 4079.662+/-344.035 χ²/NDF: 74.9/67



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2253.801+/-0.435 χ^2/NDF:40849.1/16

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: 2252.637+/-0.304 χ^2/NDF: 81884.4/33

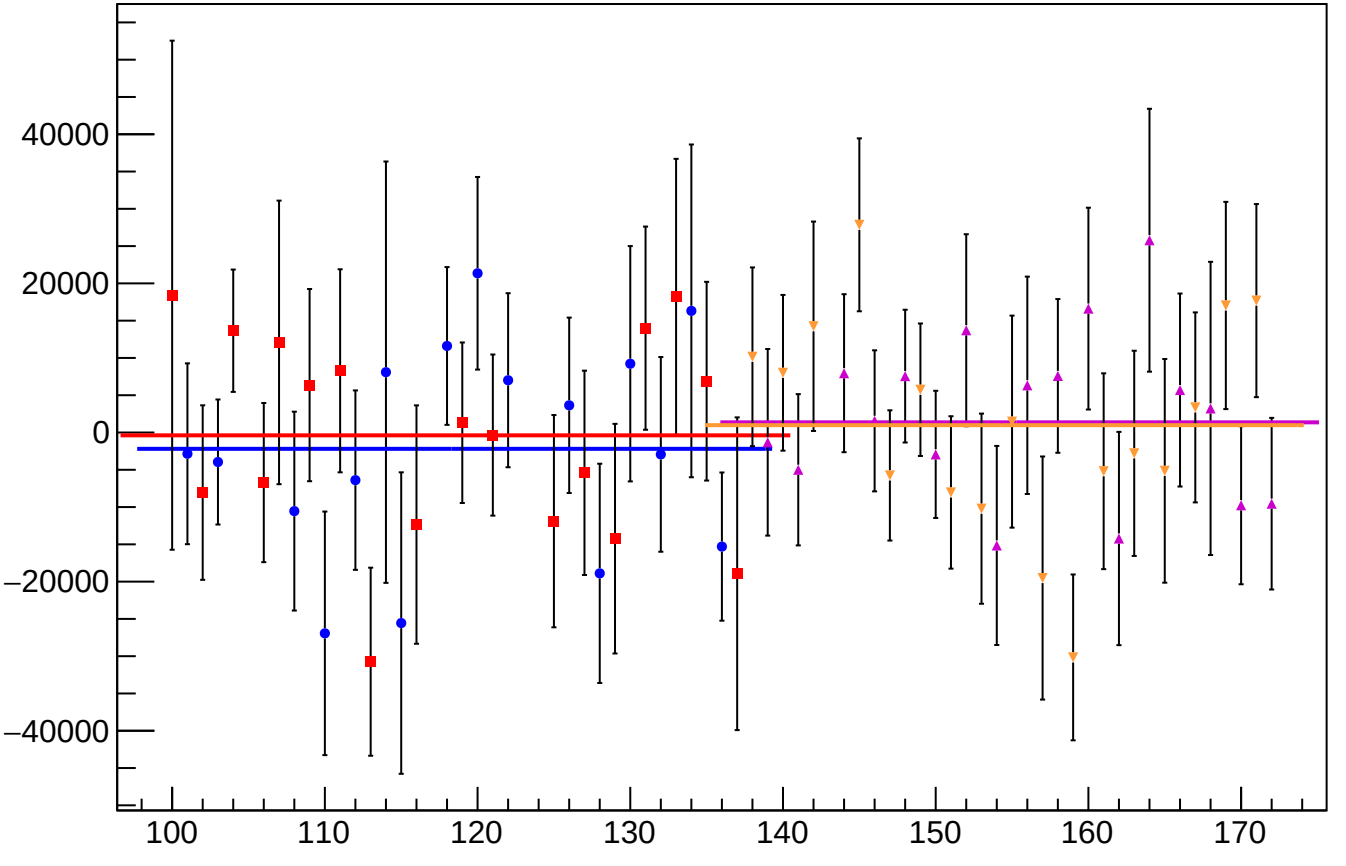
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2222.211+/-0.342 χ^2/NDF:250101.1/32

Out: 2214.381+/-0.346 χ^2/NDF:220870.0/34

All: 2218.340+/-0.243 χ^2/NDF: 471230.5/67

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: 982.505+/-2889.638 χ^2/NDF:22.7/16

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: 1178.003+/-2013.551 χ^2/NDF: 33.7/33

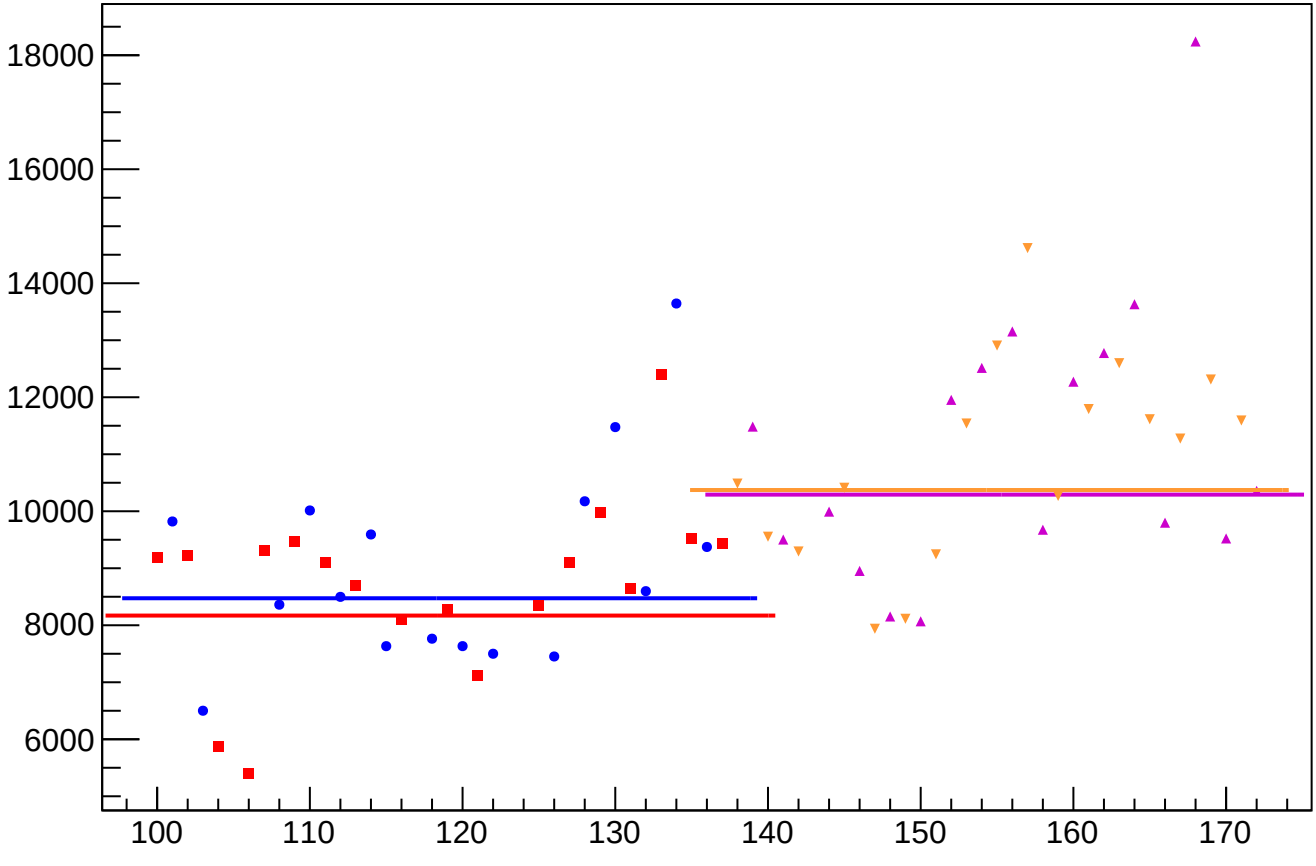
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -177.548+/-2112.772 χ^2/NDF:26.1/32

Out: 349.391+/-2113.727 χ^2/NDF:39.1/34

All: 85.802+/-1494.293 χ^2/NDF: 65.2/67

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10372.562+/-2.043 χ^2/NDF:705399.6/16

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10291.812+/-1.985 χ^2/NDF:1011417.2/16

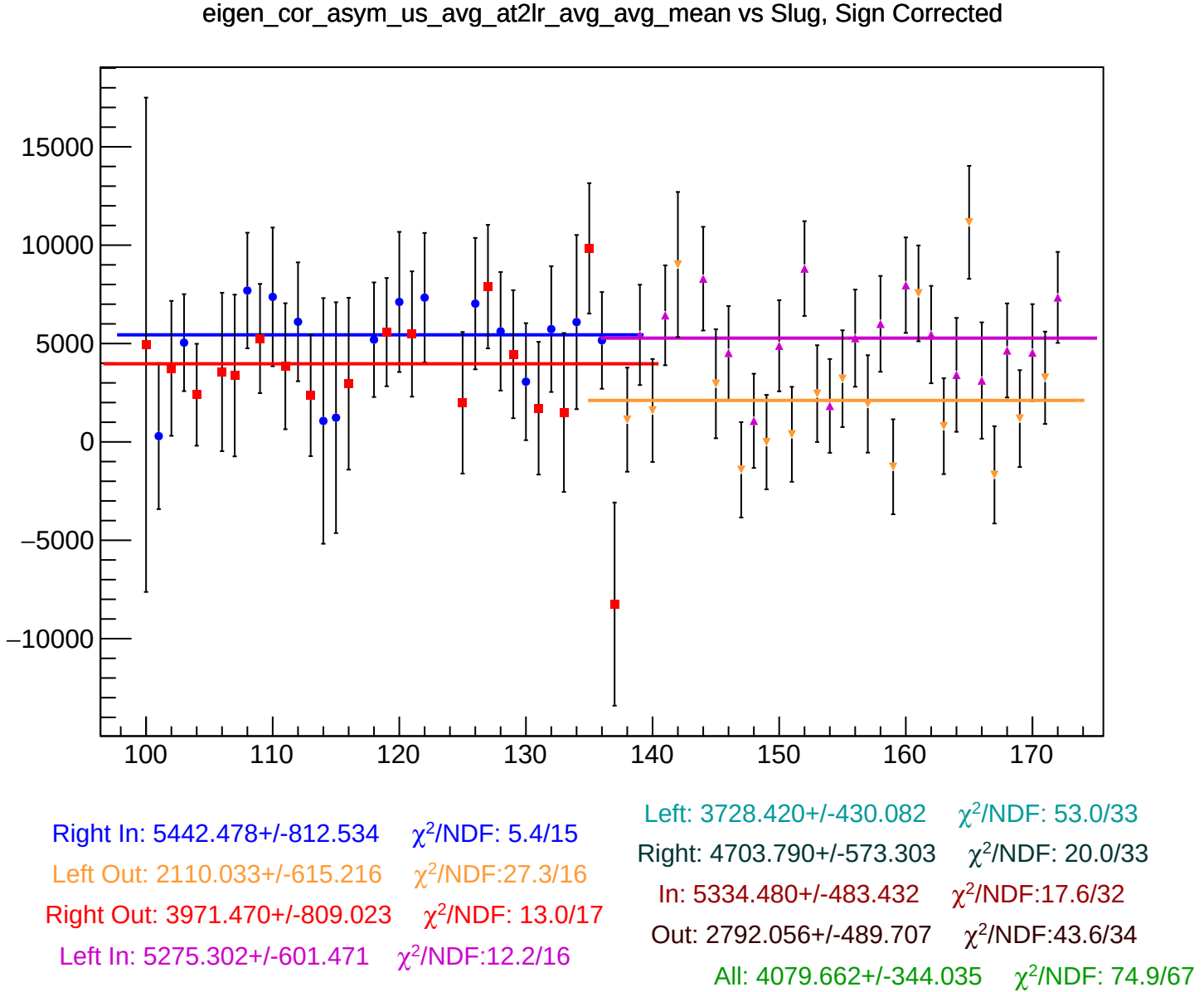
Left: 10331.020+/-1.424 χ^2/NDF: 1717620.3/33

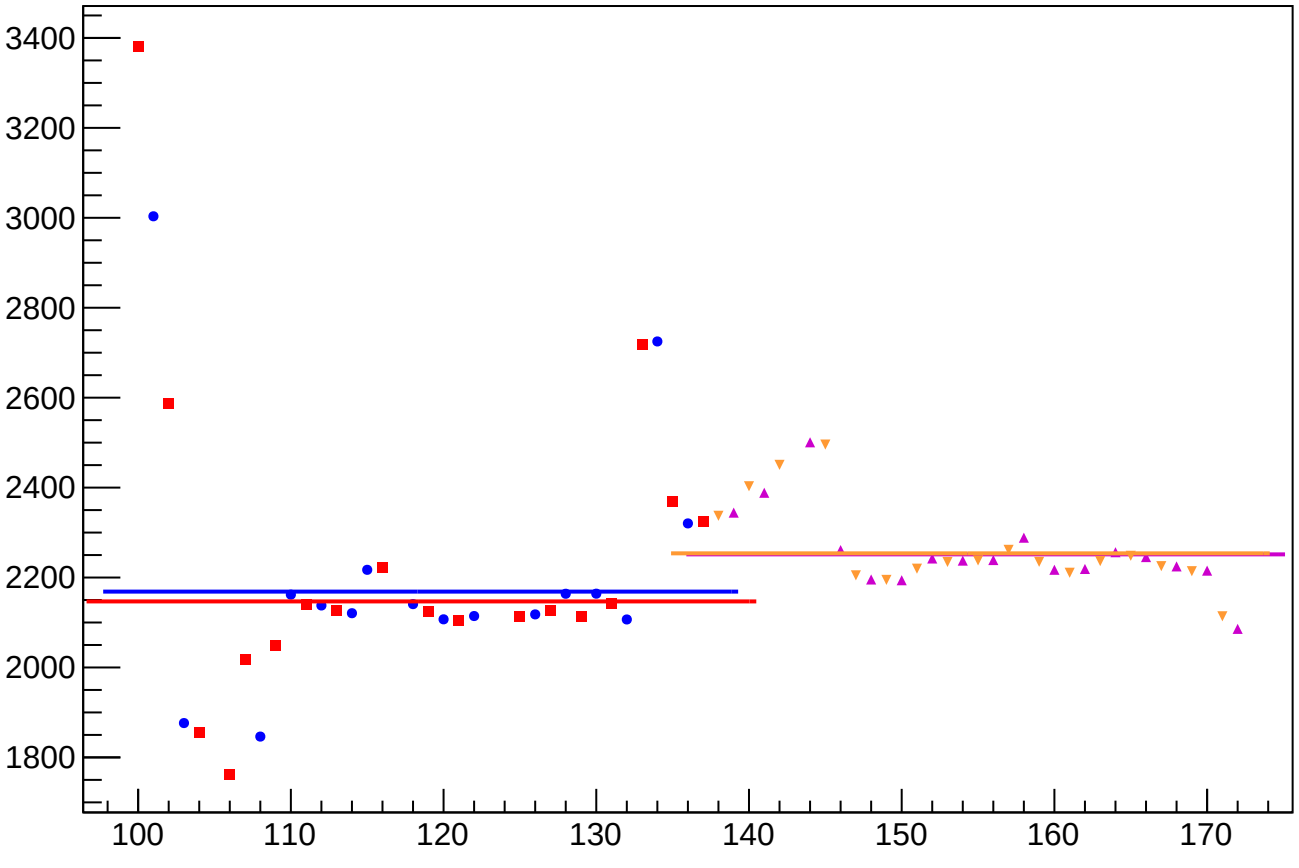
Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9503.488+/-1.494 χ^2/NDF:1804678.0/32

Out: 9348.538+/-1.495 χ^2/NDF:1785551.9/34

All: 9426.048+/-1.057 χ^2/NDF: 3595606.1/67


eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 5442.478+/-812.534 χ²/NDF: 5.4/15
Left Out: 2110.033+/-615.216 χ²/NDF:27.3/16
Right Out: 3971.470+/-809.023 χ²/NDF: 13.0/17
Left In: 5275.302+/-601.471 χ²/NDF:12.2/16
Left: 3728.420+/-430.082 χ²/NDF: 53.0/33
Right: 4703.790+/-573.303 χ²/NDF: 20.0/33
In: 5334.480+/-483.432 χ²/NDF:17.6/32
Out: 2792.056+/-489.707 χ²/NDF:43.6/34
All: 4079.662+/-344.035 χ²/NDF: 74.9/67



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2253.801+/-0.435 χ^2/NDF:40849.1/16

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: 2252.637+/-0.304 χ^2/NDF: 81884.4/33

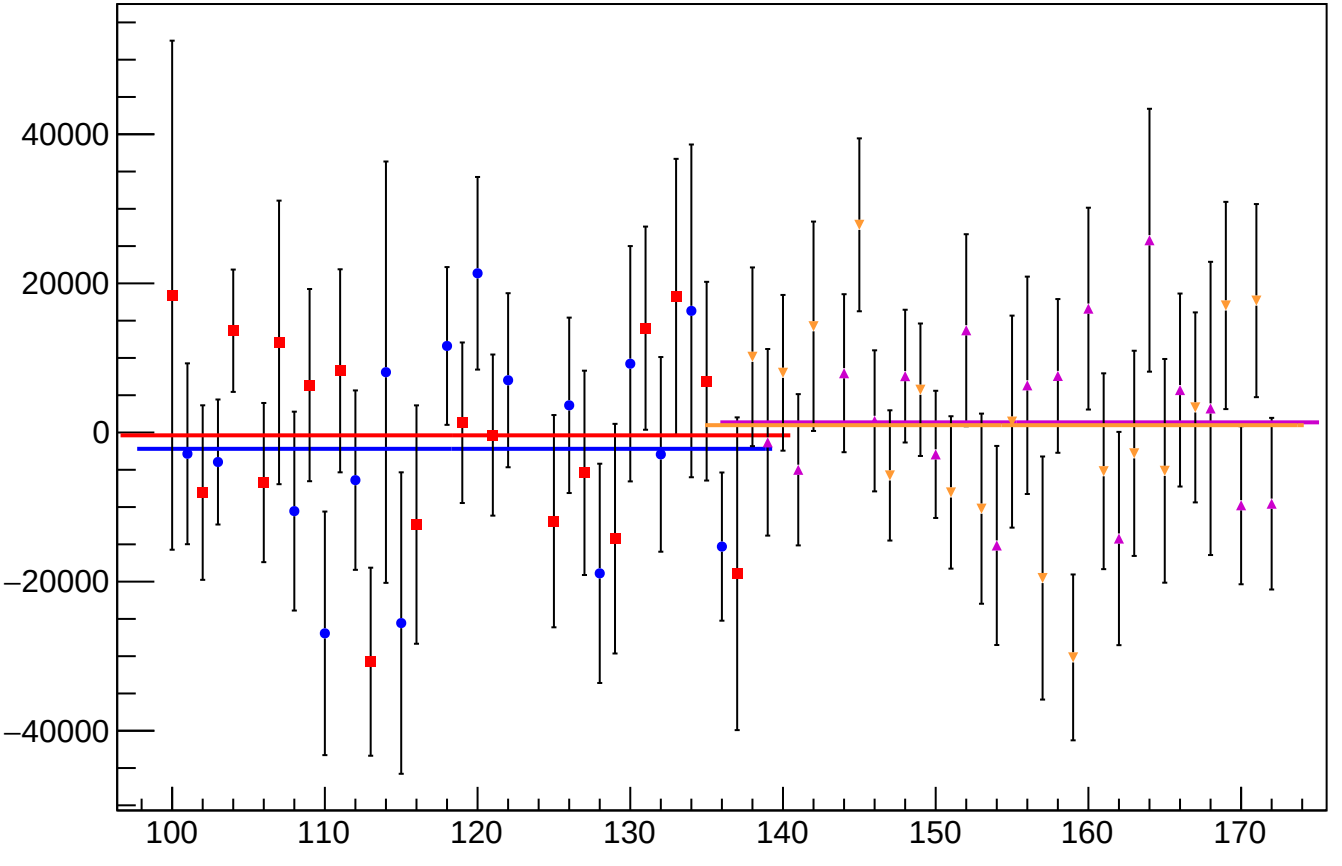
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2222.211+/-0.342 χ^2/NDF:250101.1/32

Out: 2214.381+/-0.346 χ^2/NDF:220870.0/34

All: 2218.340+/-0.243 χ^2/NDF: 471230.5/67

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: 982.505+/-2889.638 χ^2/NDF:22.7/16

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: 1178.003+/-2013.551 χ^2/NDF: 33.7/33

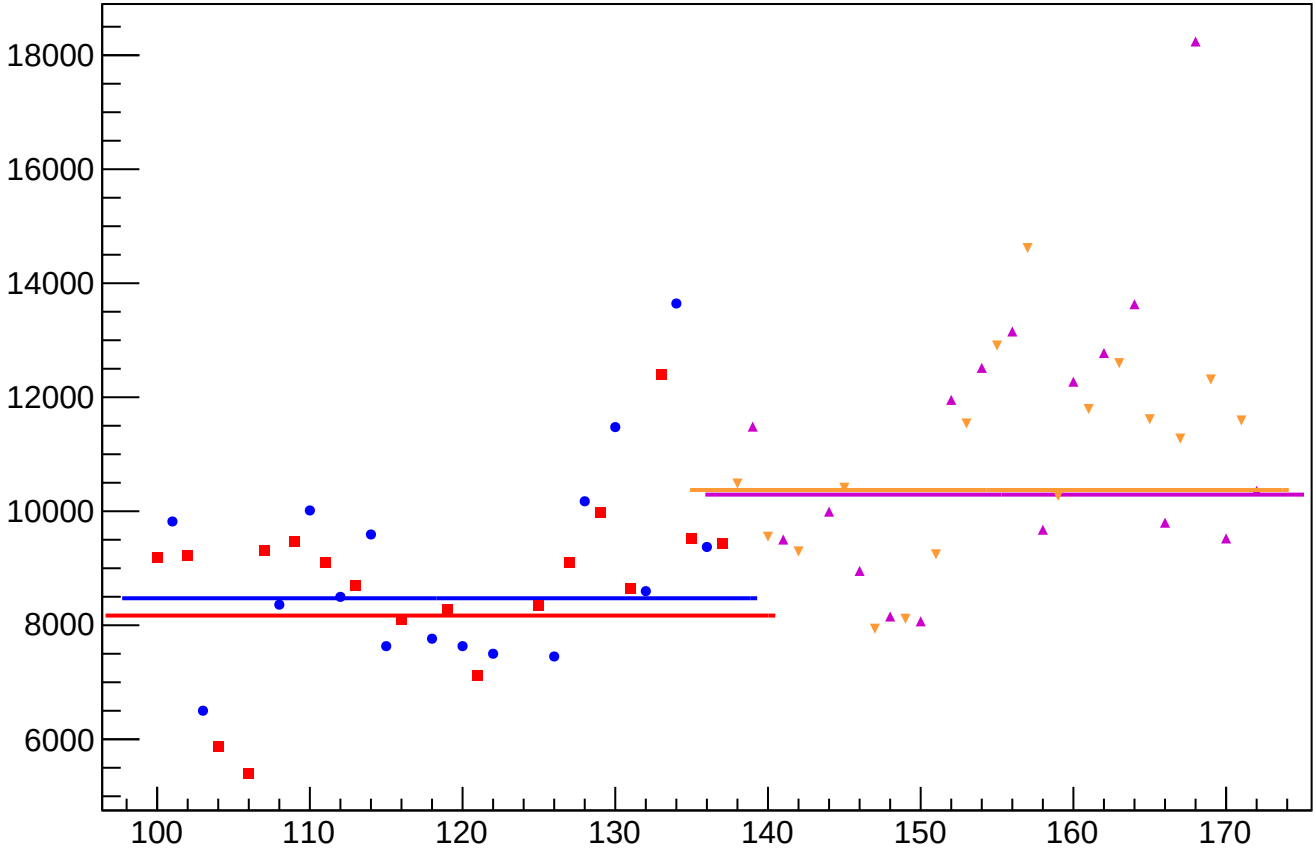
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -177.548+/-2112.772 χ^2/NDF:26.1/32

Out: 349.391+/-2113.727 χ^2/NDF:39.1/34

All: 85.802+/-1494.293 χ^2/NDF: 65.2/67

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10372.562+/-2.043 χ^2/NDF:705399.6/16

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10291.812+/-1.985 χ^2/NDF:1011417.2/16

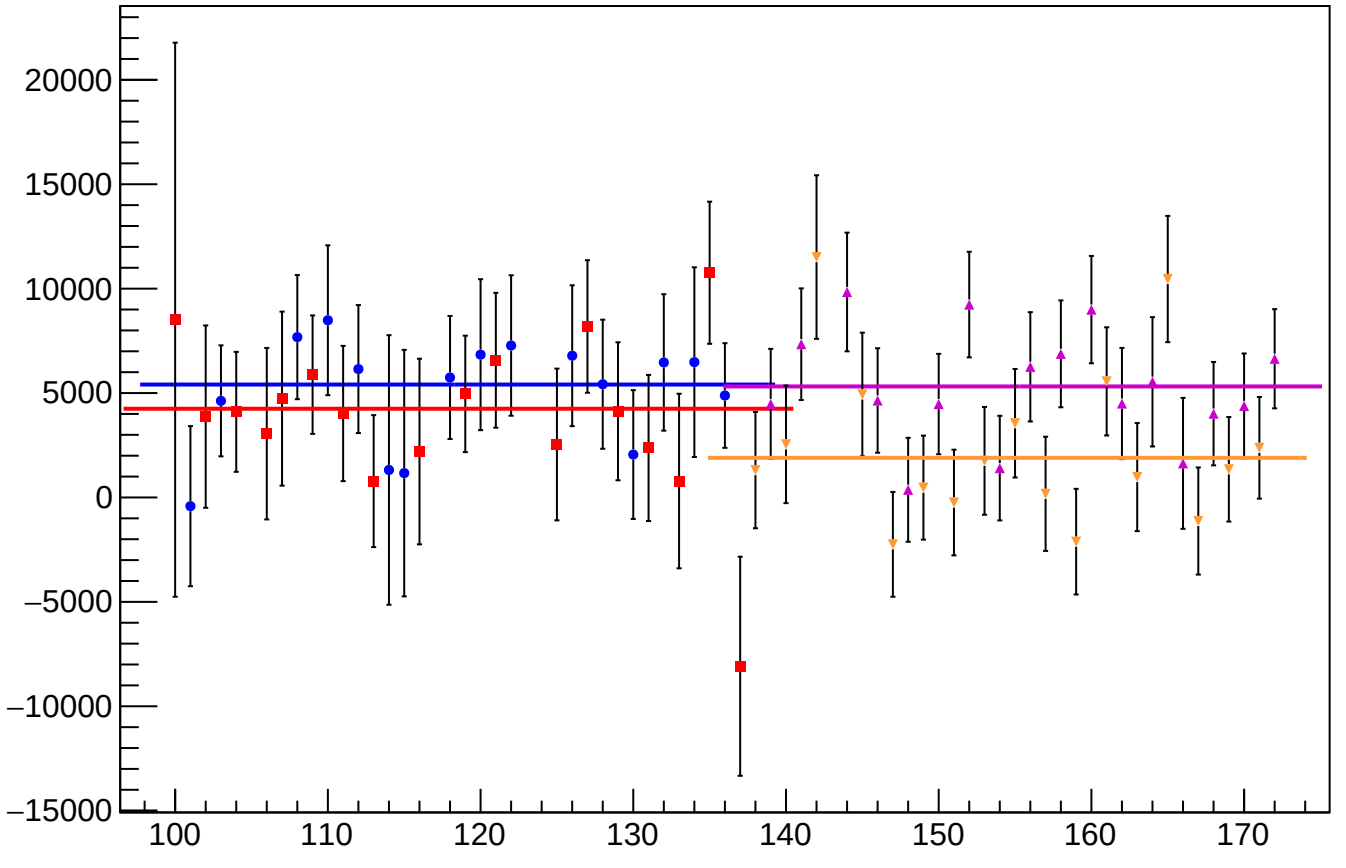
Left: 10331.020+/-1.424 χ^2/NDF: 1717620.3/33

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9503.488+/-1.494 χ^2/NDF:1804678.0/32

Out: 9348.538+/-1.495 χ^2/NDF:1785551.9/34

All: 9426.048+/-1.057 χ^2/NDF: 3595606.1/67



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 1898.119+/-647.270 χ^2/NDF:25.9/16

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: 3651.728+/-451.741 χ^2/NDF: 57.2/33

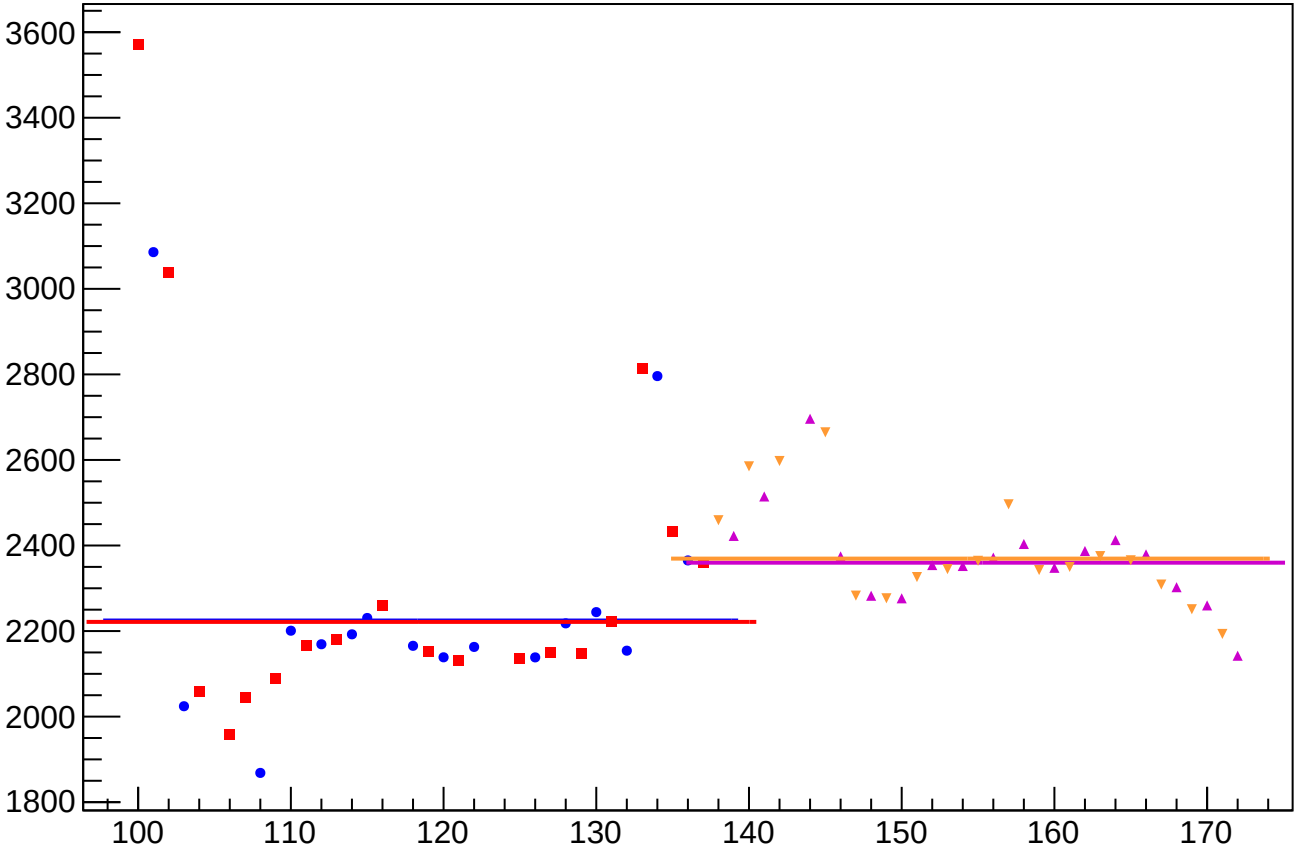
Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5350.111+/-503.016 χ^2/NDF:23.7/32

Out: 2775.154+/-512.561 χ^2/NDF:45.3/34

All: 4086.833+/-359.013 χ^2/NDF: 81.8/67

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2369.364+/-0.458 χ^2/NDF:67124.5/16

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: 2364.475+/-0.319 χ^2/NDF: 130179.1/33

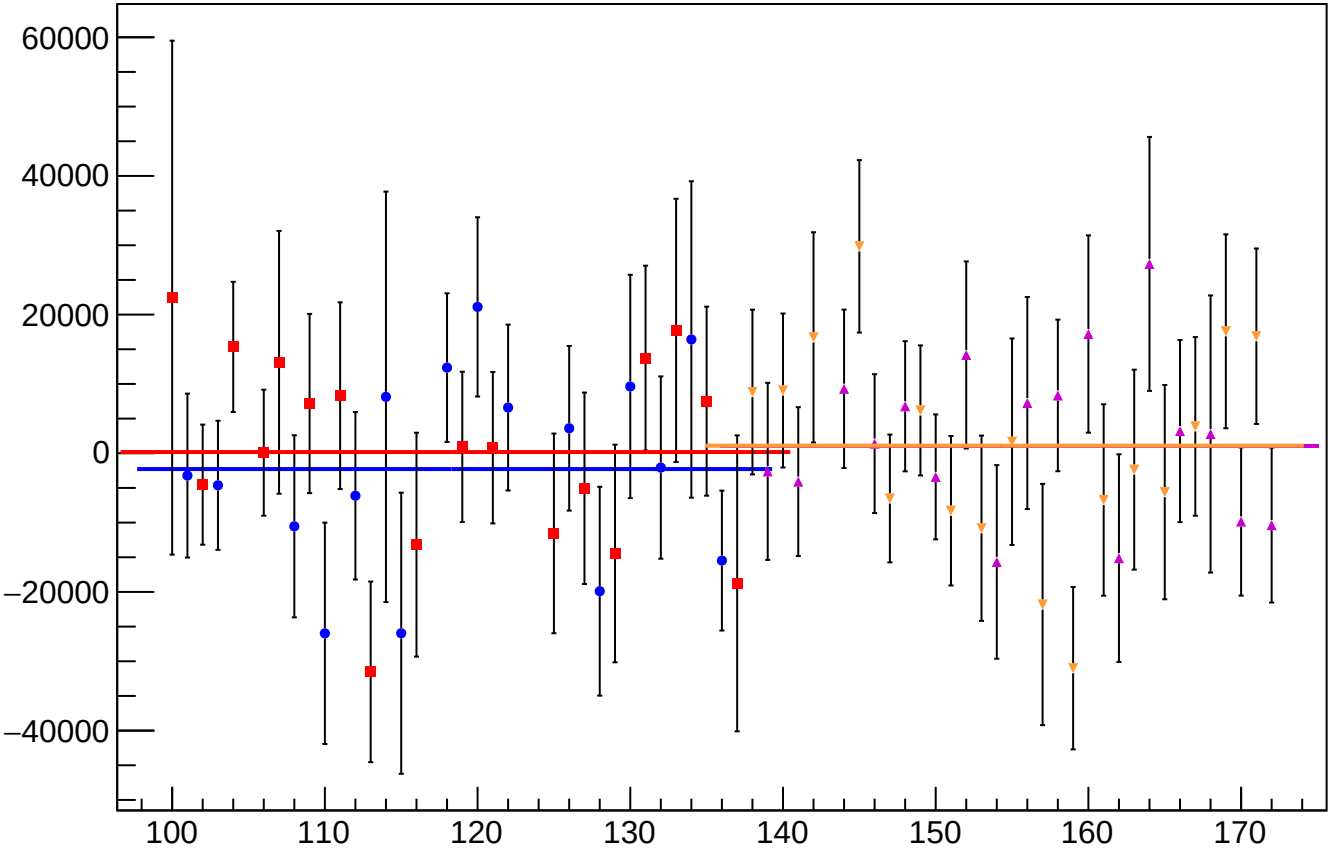
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2310.606+/-0.356 χ^2/NDF:280971.3/32

Out: 2314.151+/-0.362 χ^2/NDF:276060.9/34

All: 2312.346+/-0.254 χ^2/NDF: 557081.0/67

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: 1099.022+/-3013.969 χ^2/NDF:22.7/16

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: 1072.330+/-2099.281 χ^2/NDF: 33.7/33

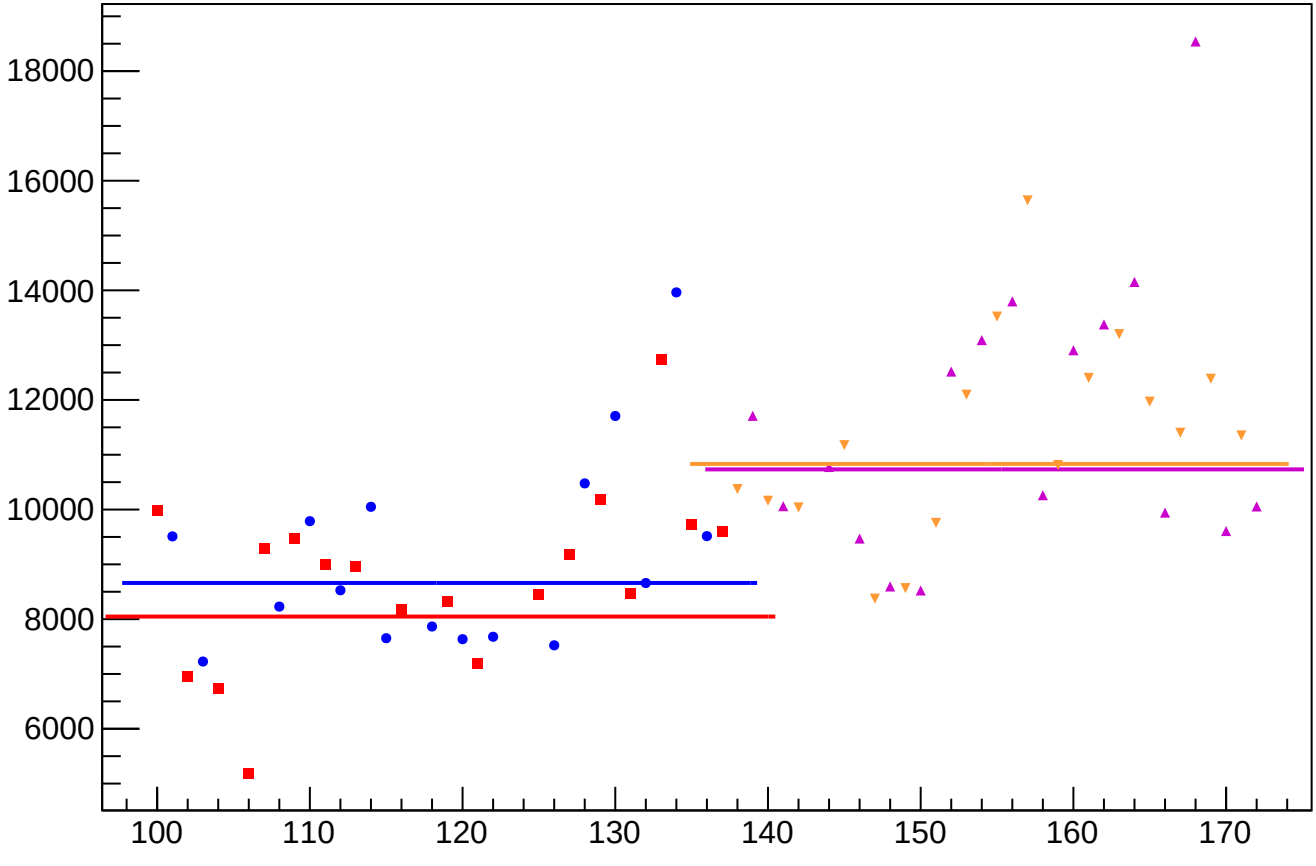
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -430.493+/-2180.886 χ^2/NDF:26.1/32

Out: 641.283+/-2138.719 χ^2/NDF:38.4/34

All: 115.856+/-1526.993 χ^2/NDF: 64.6/67

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 8660.733+/-2.313 χ^2/NDF: 357961.9/15

Left Out: 10832.632+/-2.131 χ^2/NDF:654810.3/16

Right Out: 8047.460+/-2.146 χ^2/NDF: 558559.6/17

Left In: 10732.792+/-2.069 χ^2/NDF:972292.7/16

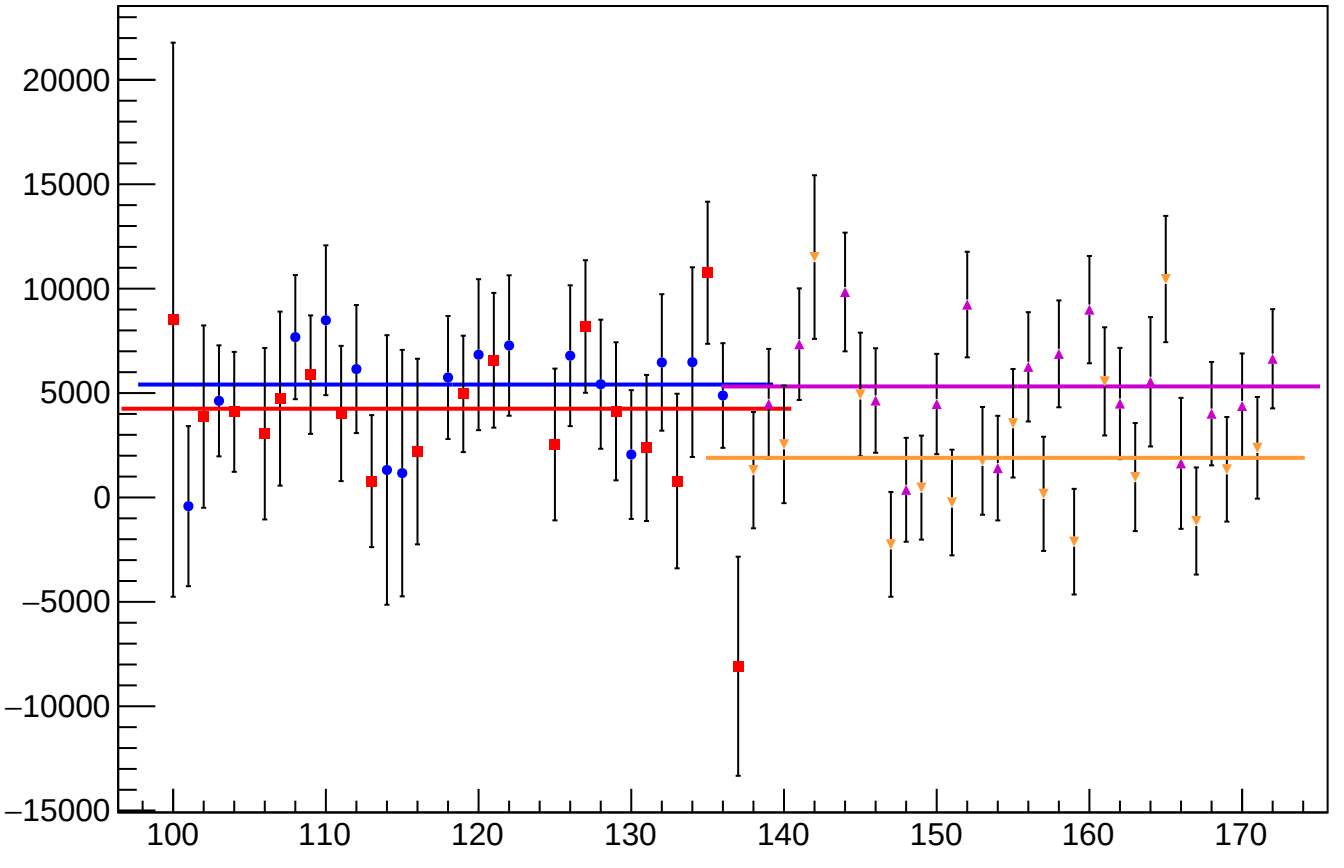
Left: 10781.228+/-1.484 χ^2/NDF: 1628232.9/33

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9812.114+/-1.542 χ^2/NDF:1776004.5/32

Out: 9449.892+/-1.512 χ^2/NDF:2061270.3/34

All: 9627.467+/-1.080 χ^2/NDF: 3865399.0/67



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 1898.108+/-647.271 χ^2/NDF:25.9/16

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 5317.052+/-630.767 χ^2/NDF:17.0/16

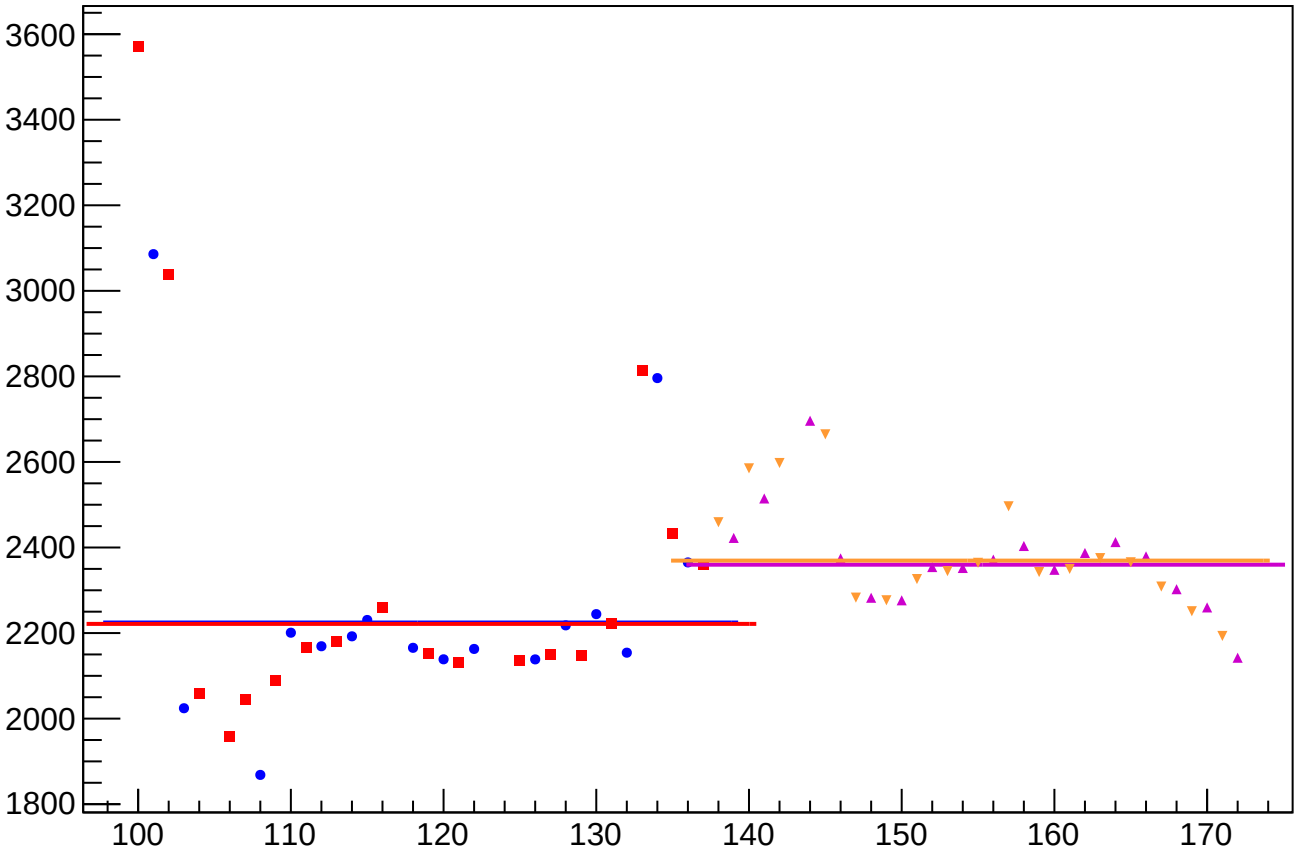
Left: 3651.724+/-451.742 χ^2/NDF: 57.2/33

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5350.113+/-503.016 χ^2/NDF:23.7/32

Out: 2775.150+/-512.562 χ^2/NDF:45.3/34

All: 4086.832+/-359.013 χ^2/NDF: 81.8/67



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2369.366+/-0.458 χ^2/NDF:67126.6/16

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: 2364.477+/-0.319 χ^2/NDF: 130182.8/33

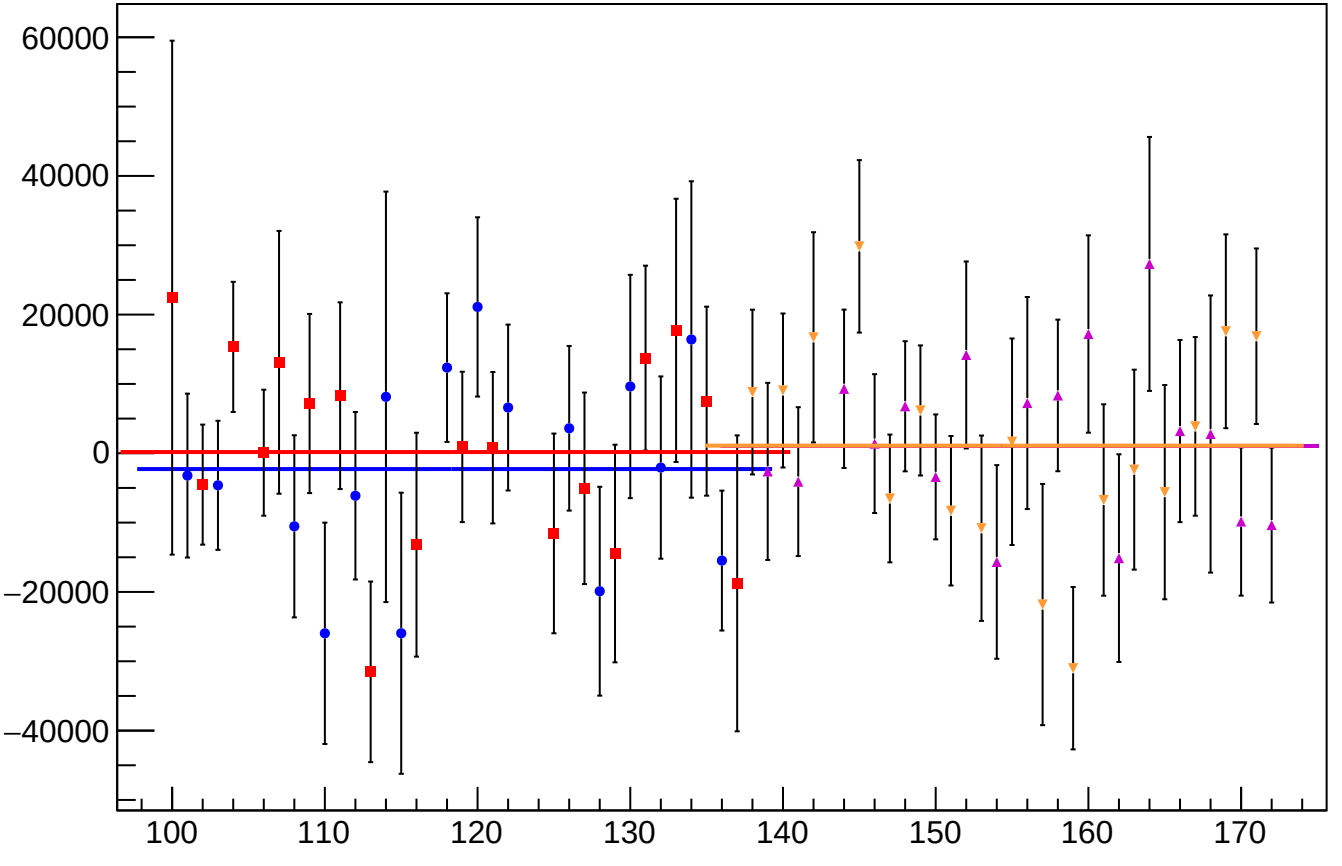
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2310.608+/-0.356 χ^2/NDF:280975.0/32

Out: 2314.153+/-0.362 χ^2/NDF:276064.8/34

All: 2312.347+/-0.254 χ^2/NDF: 557088.5/67

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: 1099.015+/-3013.974 χ^2/NDF:22.7/16

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: 1072.326+/-2099.284 χ^2/NDF: 33.7/33

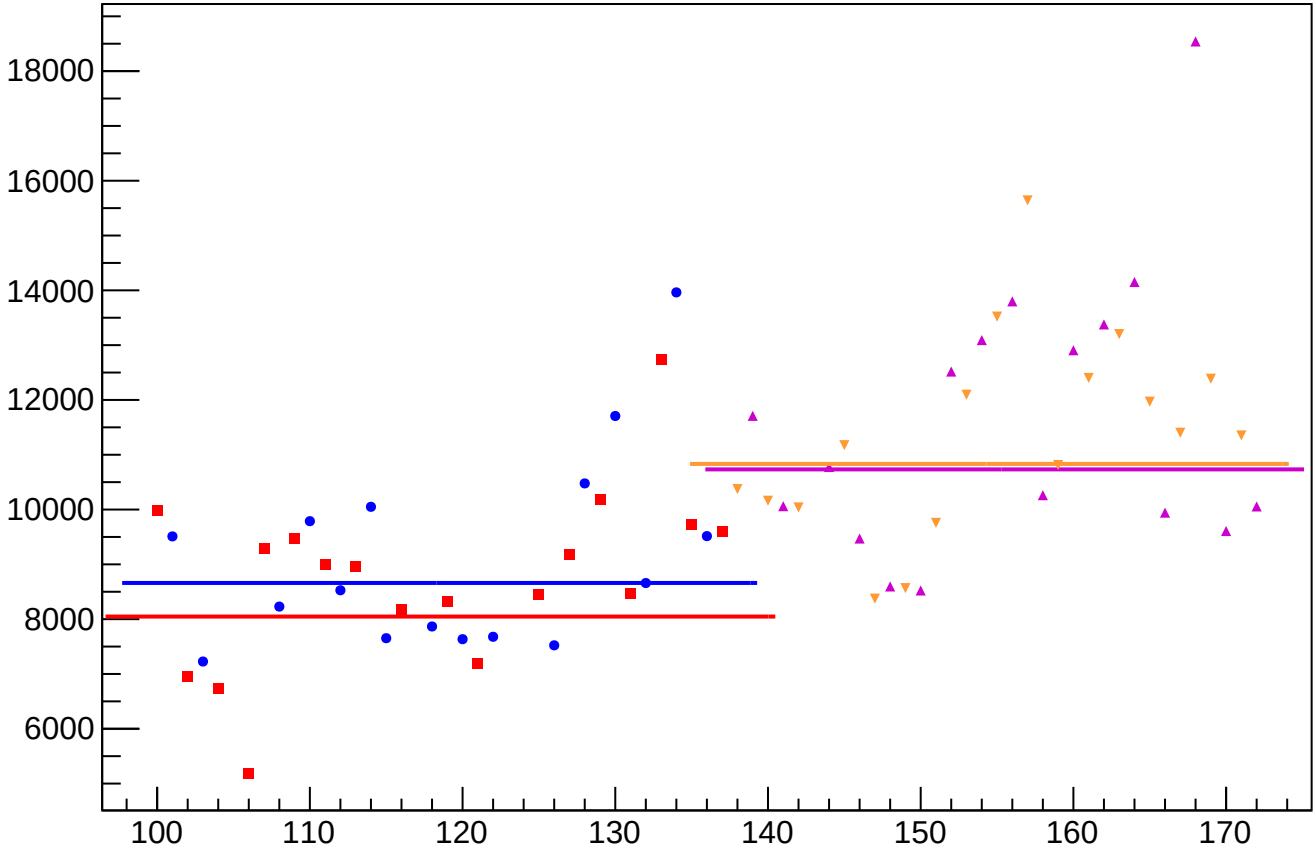
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -430.490+/-2180.885 χ^2/NDF:26.1/32

Out: 641.280+/-2138.718 χ^2/NDF:38.4/34

All: 115.856+/-1526.992 χ^2/NDF: 64.6/67

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: 10832.648+/-2.131 χ^2/NDF:654812.2/16

Right Out: 8047.442+/-2.146 χ^2/NDF: 558557.8/17

Left In: 10732.808+/-2.069 χ^2/NDF:972294.6/16

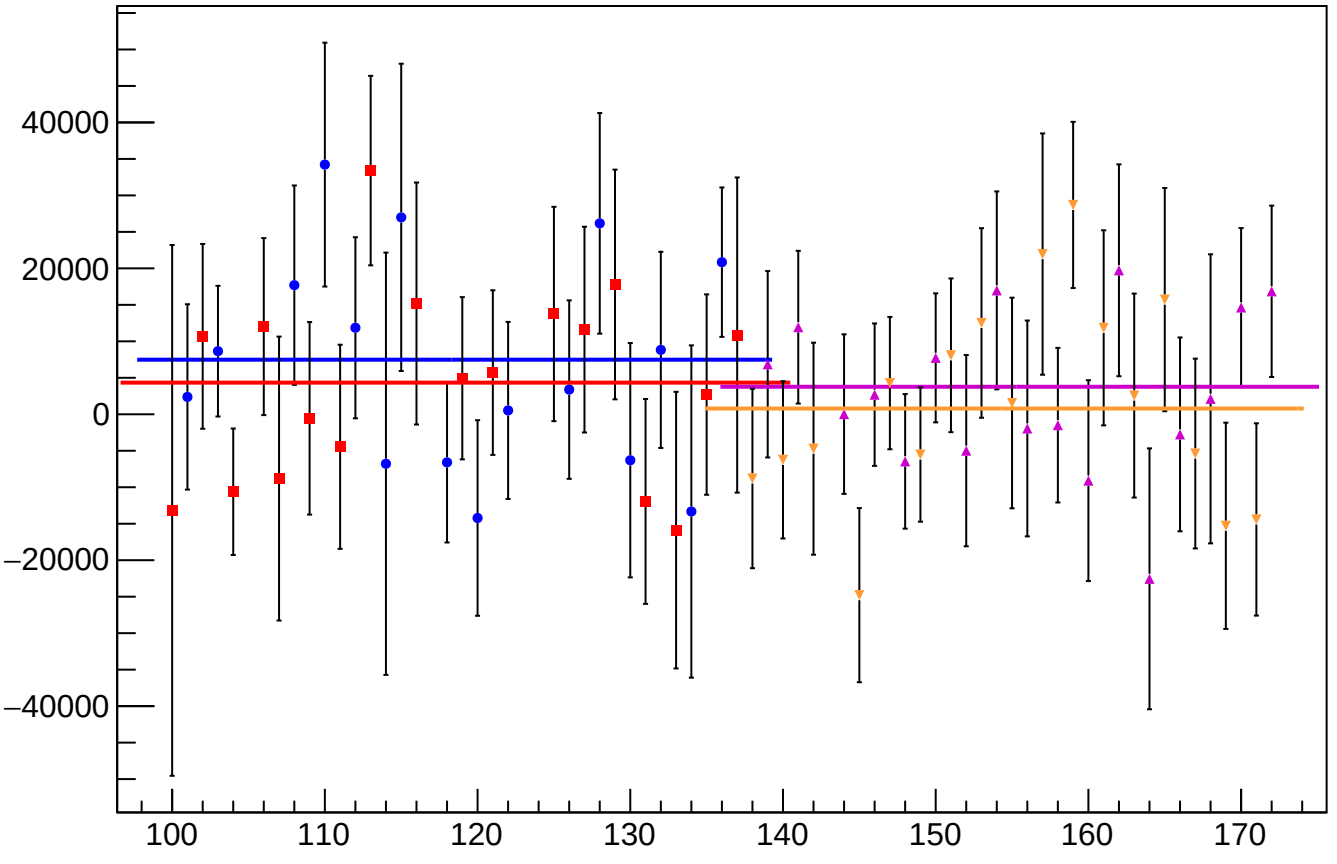
Left: 10781.244+/-1.484 χ^2/NDF: 1628236.8/33

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 9812.109+/-1.542 χ^2/NDF:1776025.1/32

Out: 9449.886+/-1.512 χ^2/NDF:2061291.9/34

All: 9627.462+/-1.080 χ^2/NDF: 3865441.3/67



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 789.411+/-2965.446 χ^2/NDF:19.8/16

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: 2323.406+/-2066.414 χ^2/NDF: 31.1/33

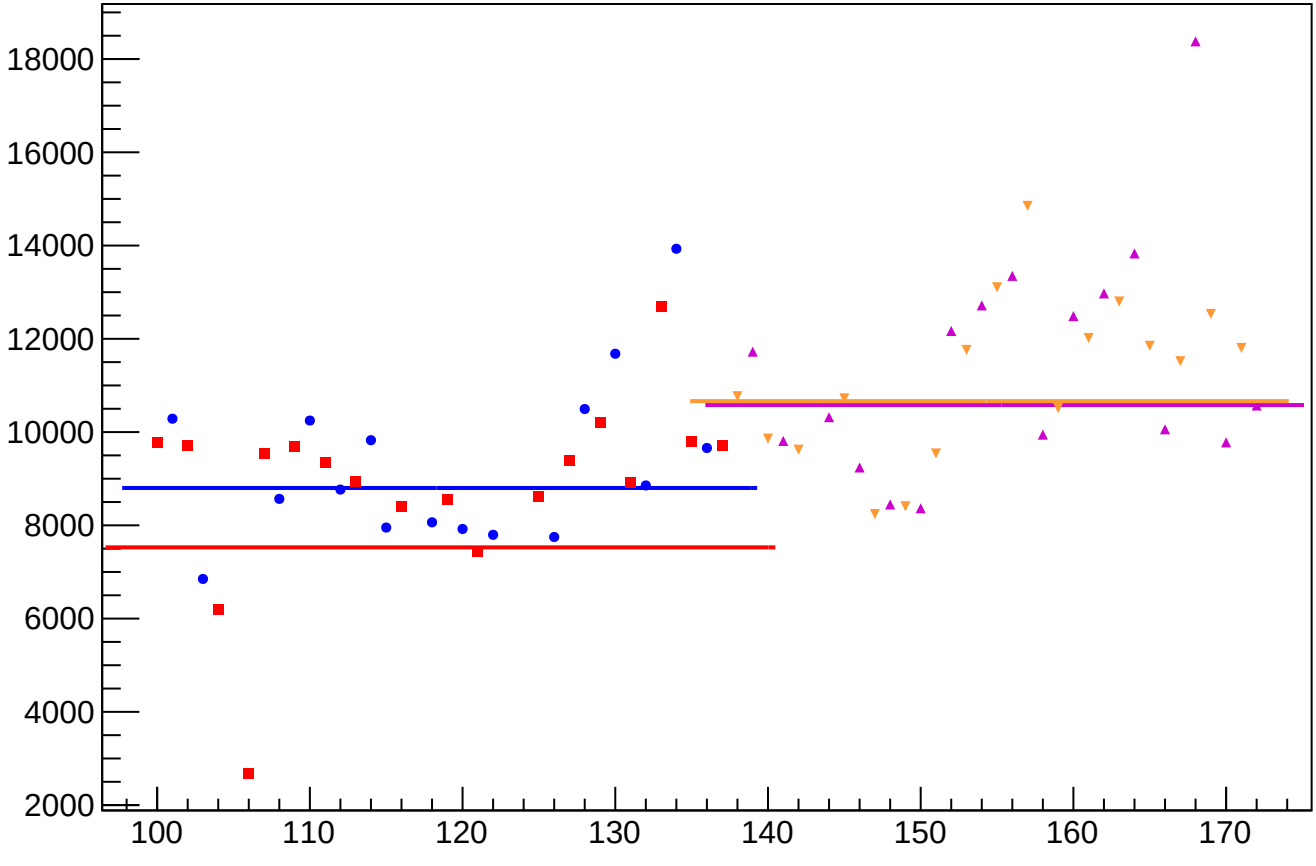
Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 5359.282+/-2179.050 χ^2/NDF:25.5/32

Out: 2405.660+/-2188.328 χ^2/NDF:34.8/34

All: 3888.746+/-1544.091 χ^2/NDF: 61.2/67

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: 10663.661+/-2.097 χ^2/NDF:645049.6/16

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: 10620.394+/-1.461 χ^2/NDF: 1583039.9/33

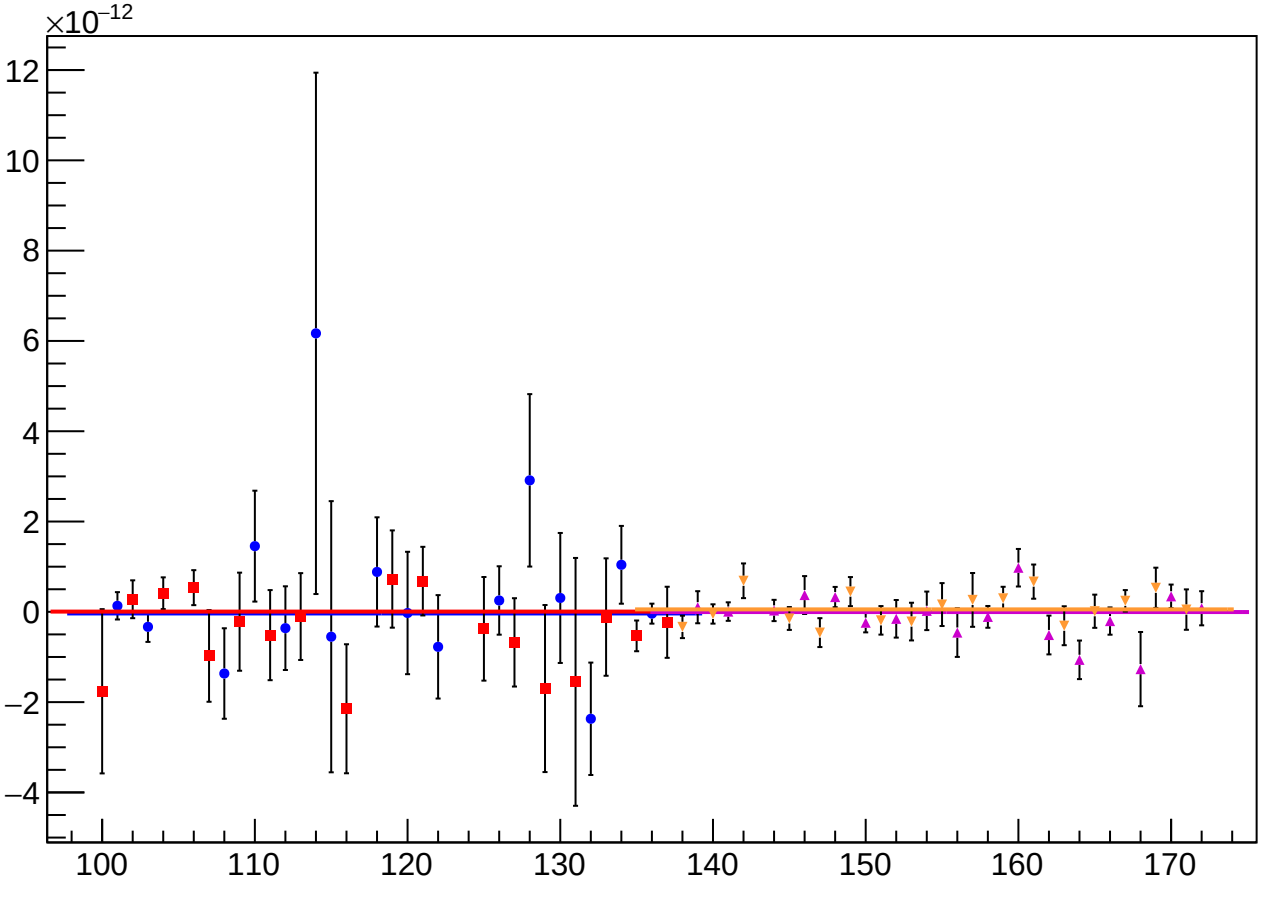
Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 9818.418+/-1.541 χ^2/NDF:1657896.5/32

Out: 9119.062+/-1.494 χ^2/NDF:3403944.8/34

All: 9457.888+/-1.072 χ^2/NDF: 5168045.1/67

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:17.3/16

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: 40.7/33

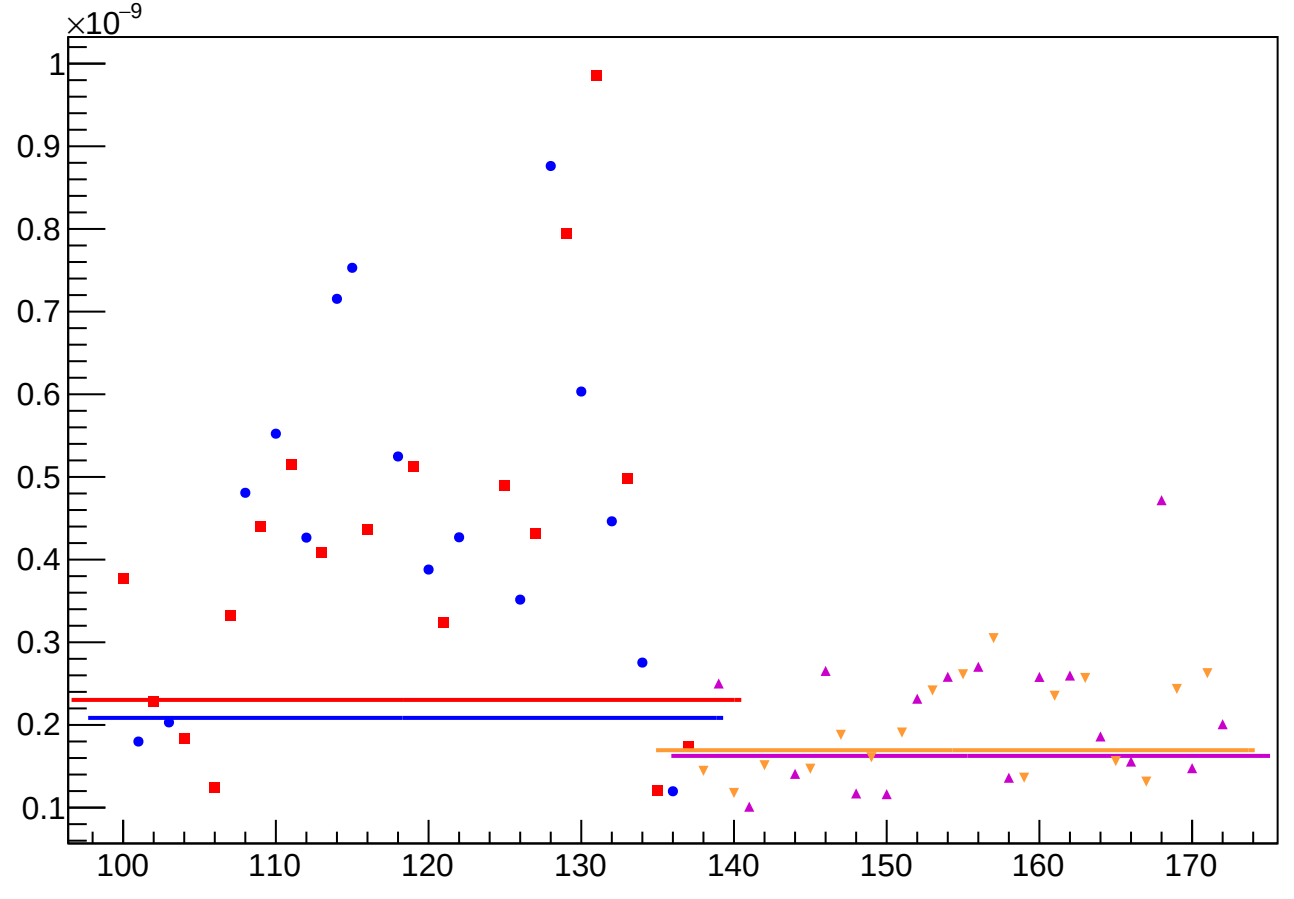
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: -0.000+/-0.000 χ^2/NDF:37.5/32

Out: 0.000+/-0.000 χ^2/NDF:31.1/34

All: 0.000+/-0.000 χ^2/NDF: 68.9/67

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:784507.9/16

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: 2190943.3/33

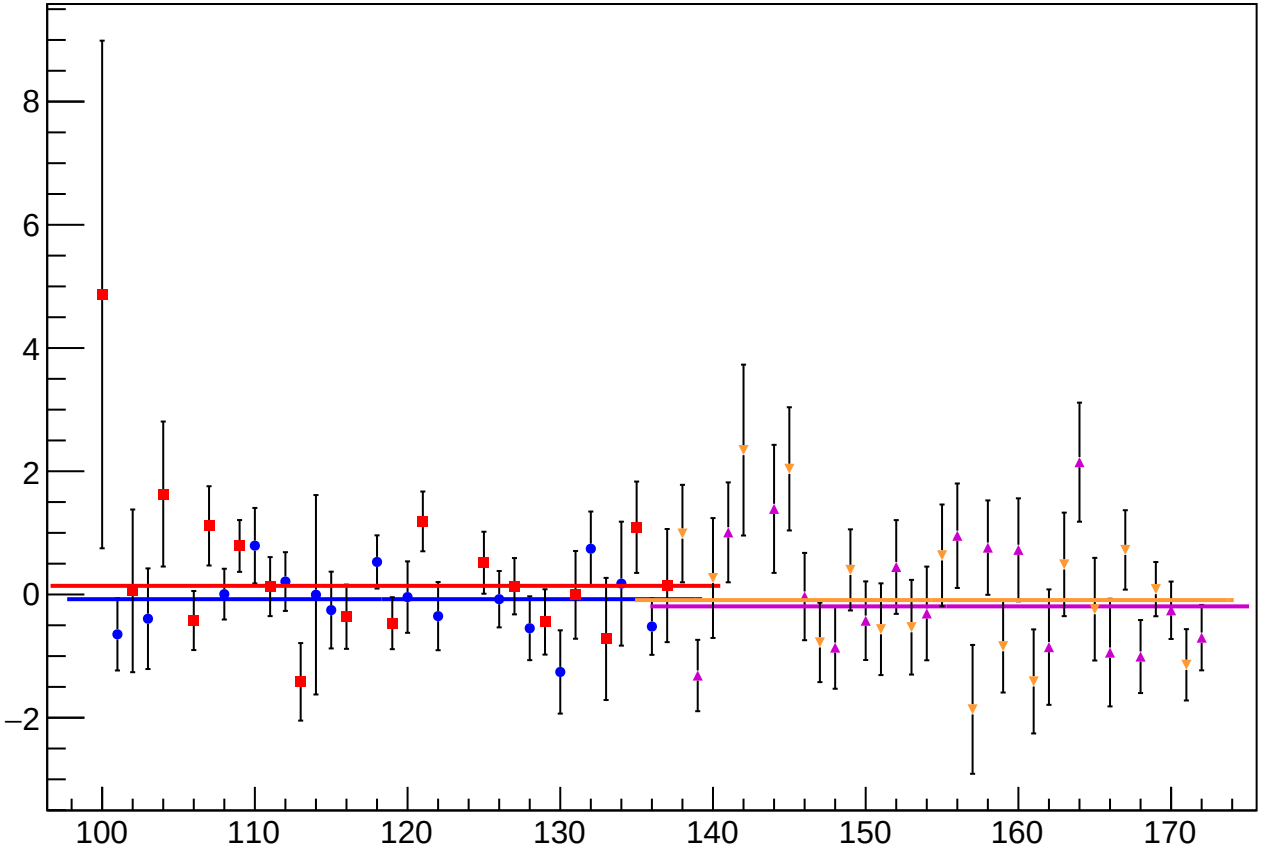
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:3195383.8/32

Out: 0.000+/-0.000 χ^2/NDF:2588583.5/34

All: 0.000+/-0.000 χ^2/NDF: 5801410.2/67

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: -0.091+/-0.179 χ^2/NDF:24.7/16

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.193+/-0.170 χ^2/NDF:24.7/16

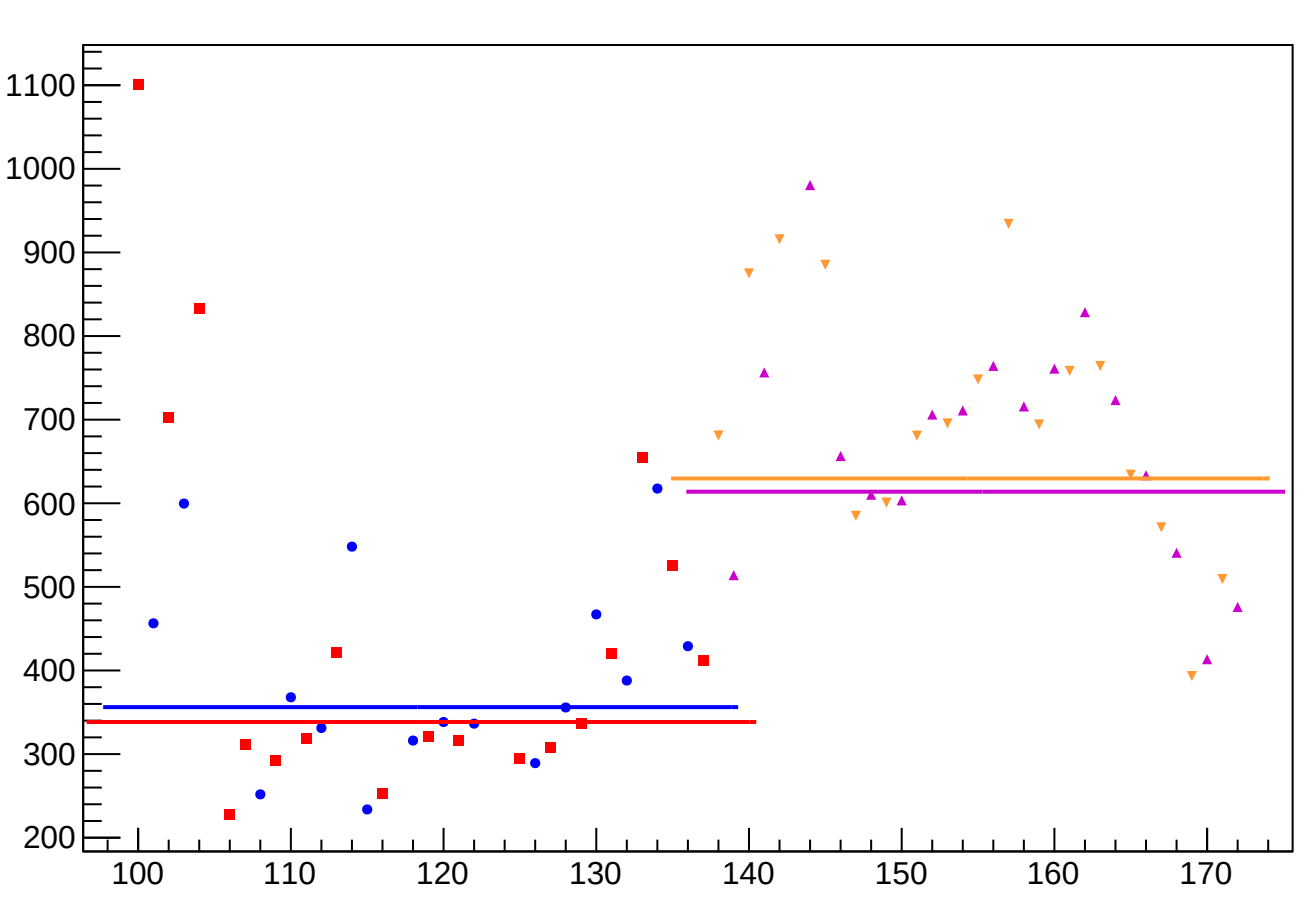
Left: -0.145+/-0.123 χ^2/NDF: 49.5/33

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+/-0.109 χ^2/NDF:52.7/34

All: -0.036+/-0.077 χ^2/NDF: 91.5/67



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 629.689+/-0.126 χ^2/NDF:1391381.1/16

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: 621.375+/-0.087 χ^2/NDF: 2667082.1/33

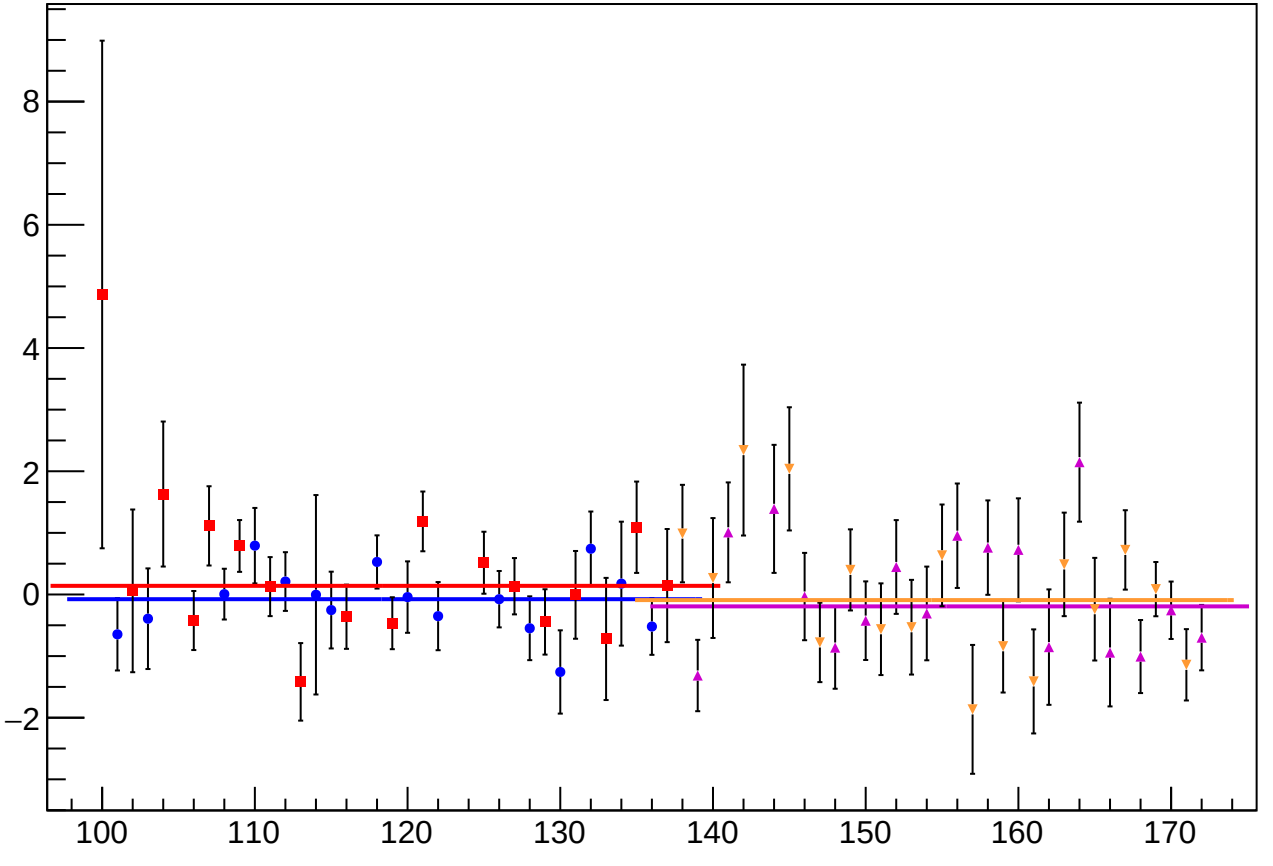
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 460.265+/-0.076 χ^2/NDF:4792717.5/32

Out: 447.284+/-0.077 χ^2/NDF:5926501.7/34

All: 453.844+/-0.054 χ^2/NDF: 10733506.7/67

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: -0.091+/-0.179 χ^2/NDF:24.7/16

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.193+/-0.170 χ^2/NDF:24.7/16

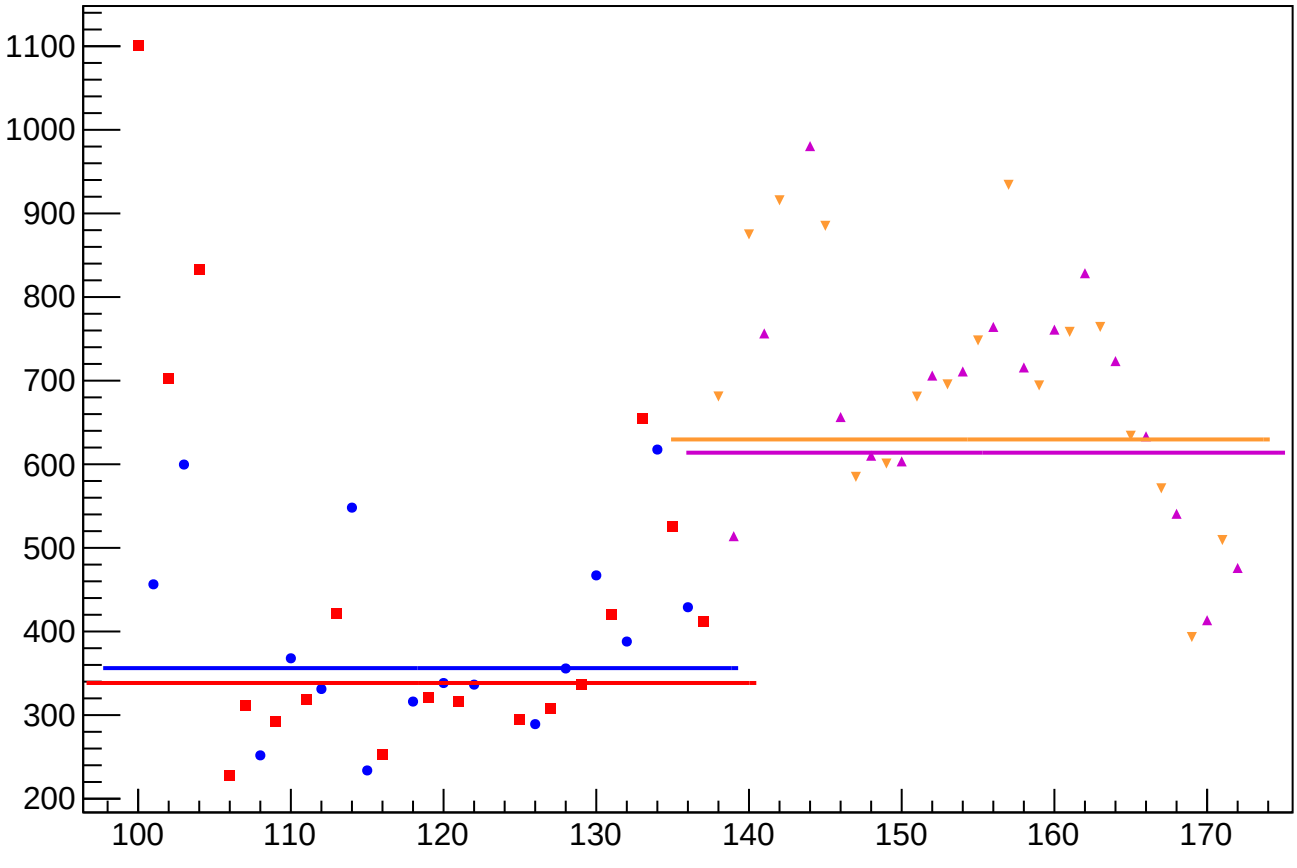
Left: -0.145+/-0.123 χ^2/NDF: 49.5/33

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+/-0.109 χ^2/NDF:52.7/34

All: -0.036+/-0.077 χ^2/NDF: 91.5/67



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 629.689+/-0.126 χ^2/NDF:1391381.1/16

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 613.846+/-0.120 χ^2/NDF:1267440.5/16

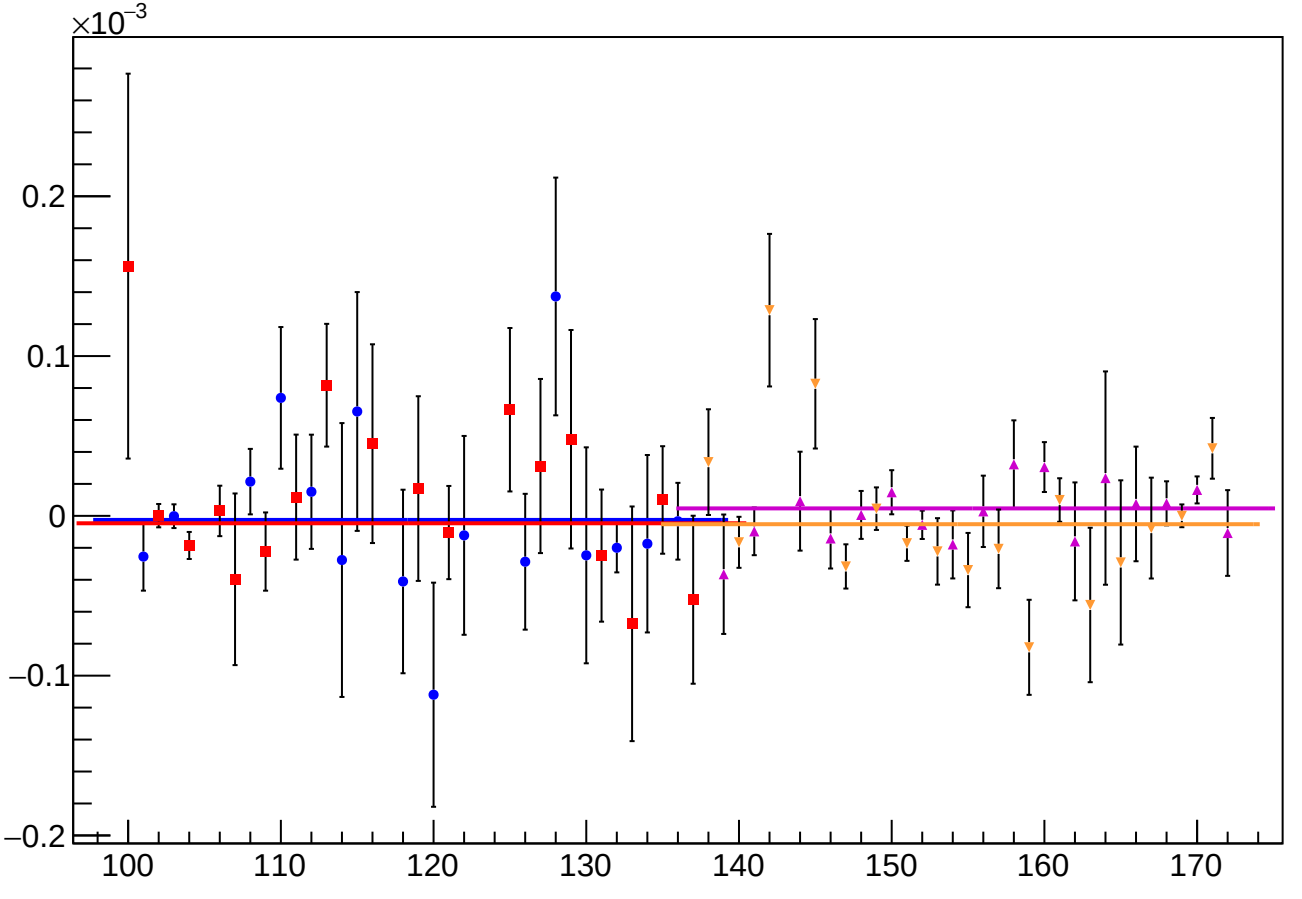
Left: 621.375+/-0.087 χ^2/NDF: 2667082.1/33

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 460.265+/-0.076 χ^2/NDF:4792717.5/32

Out: 447.284+/-0.077 χ^2/NDF:5926501.7/34

All: 453.844+/-0.054 χ^2/NDF: 10733506.7/67



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:38.4/16

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: 54.1/33

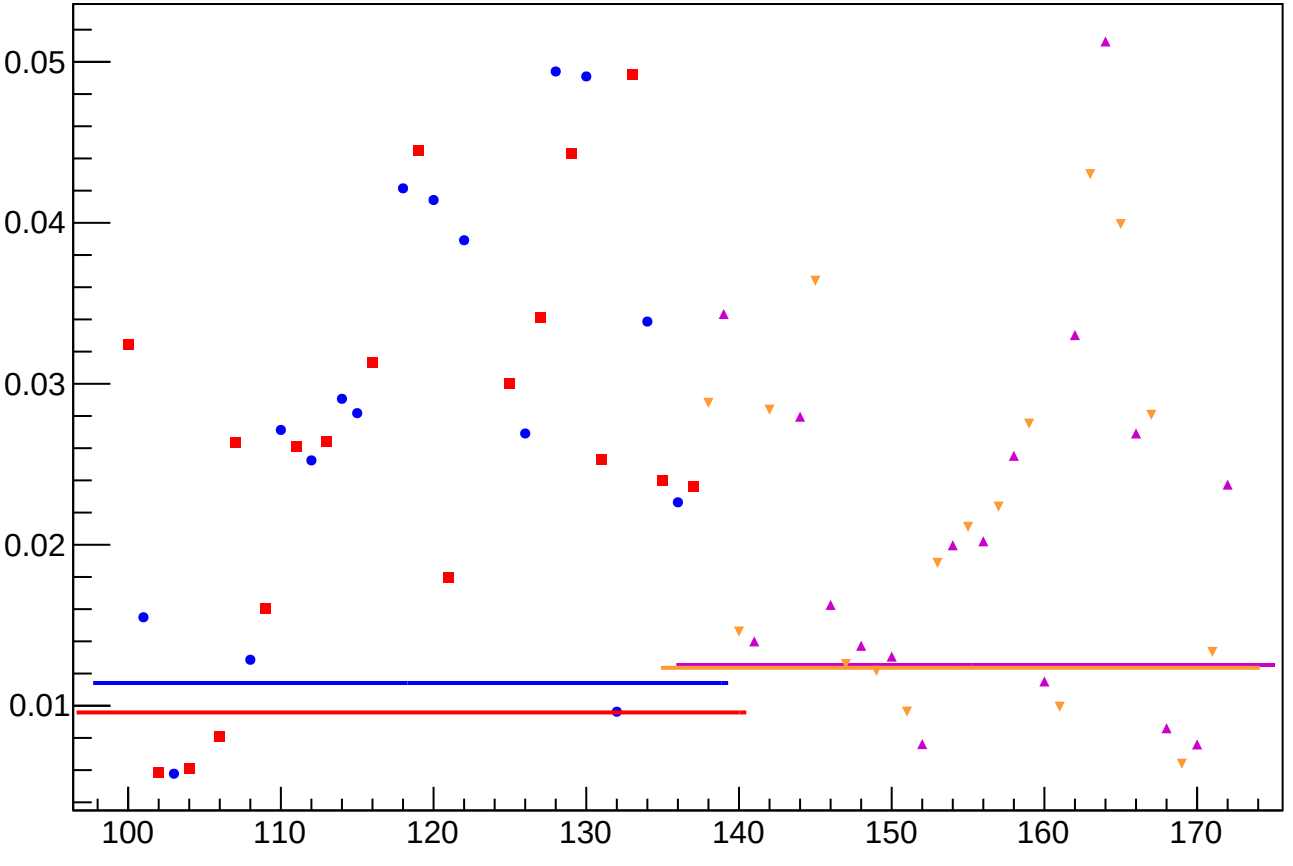
Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: 0.000+/-0.000 χ^2/NDF:28.8/32

Out: -0.000+/-0.000 χ^2/NDF:55.5/34

All: -0.000+/-0.000 χ^2/NDF: 87.0/67

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: 0.012+/-0.000 χ^2/NDF:6262438.4/16

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: 0.012+/-0.000 χ^2/NDF: 11910935.9/33

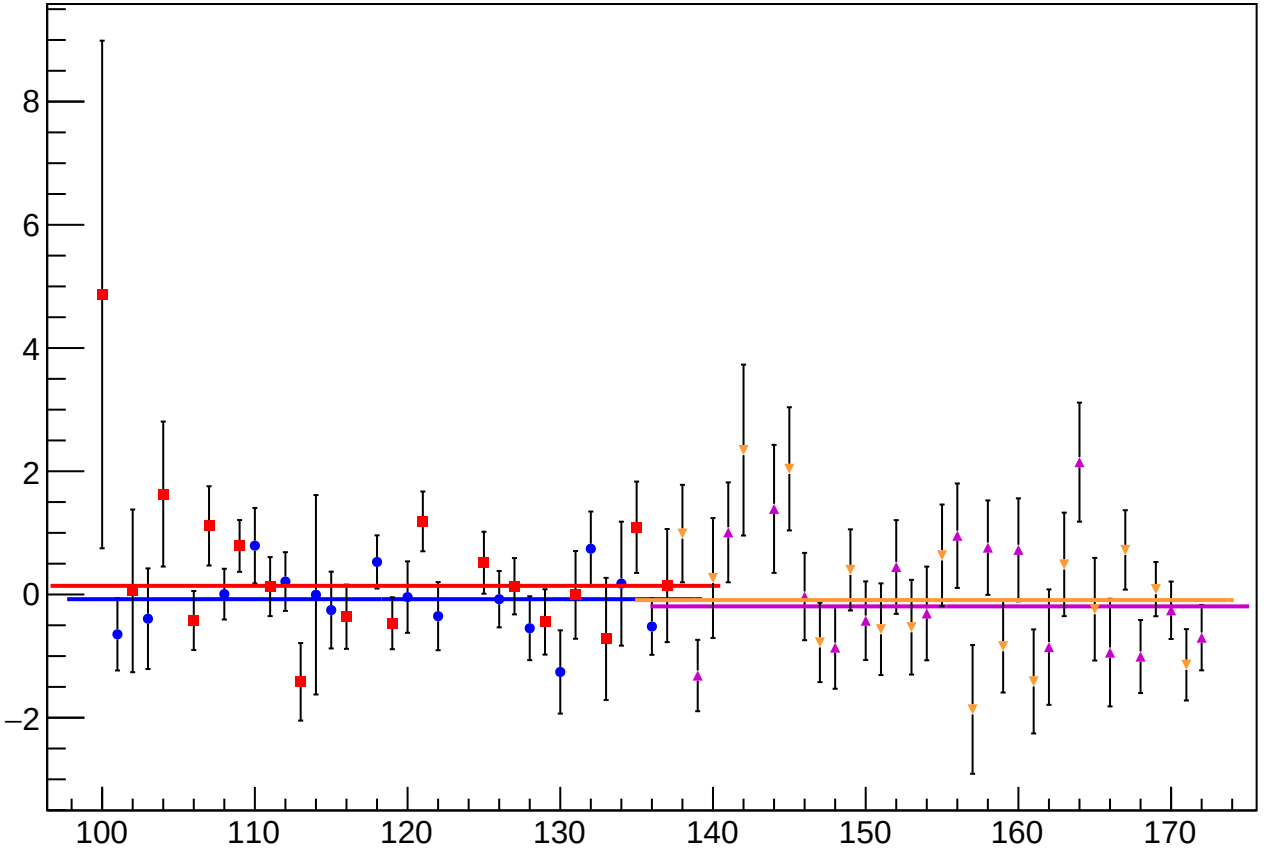
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.012+/-0.000 χ^2/NDF:11200862.8/32

Out: 0.011+/-0.000 χ^2/NDF:12449355.8/34

All: 0.012+/-0.000 χ^2/NDF: 23744544.1/67

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.091+/-0.179 χ^2/NDF:24.7/16

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.193+/-0.170 χ^2/NDF:24.7/16

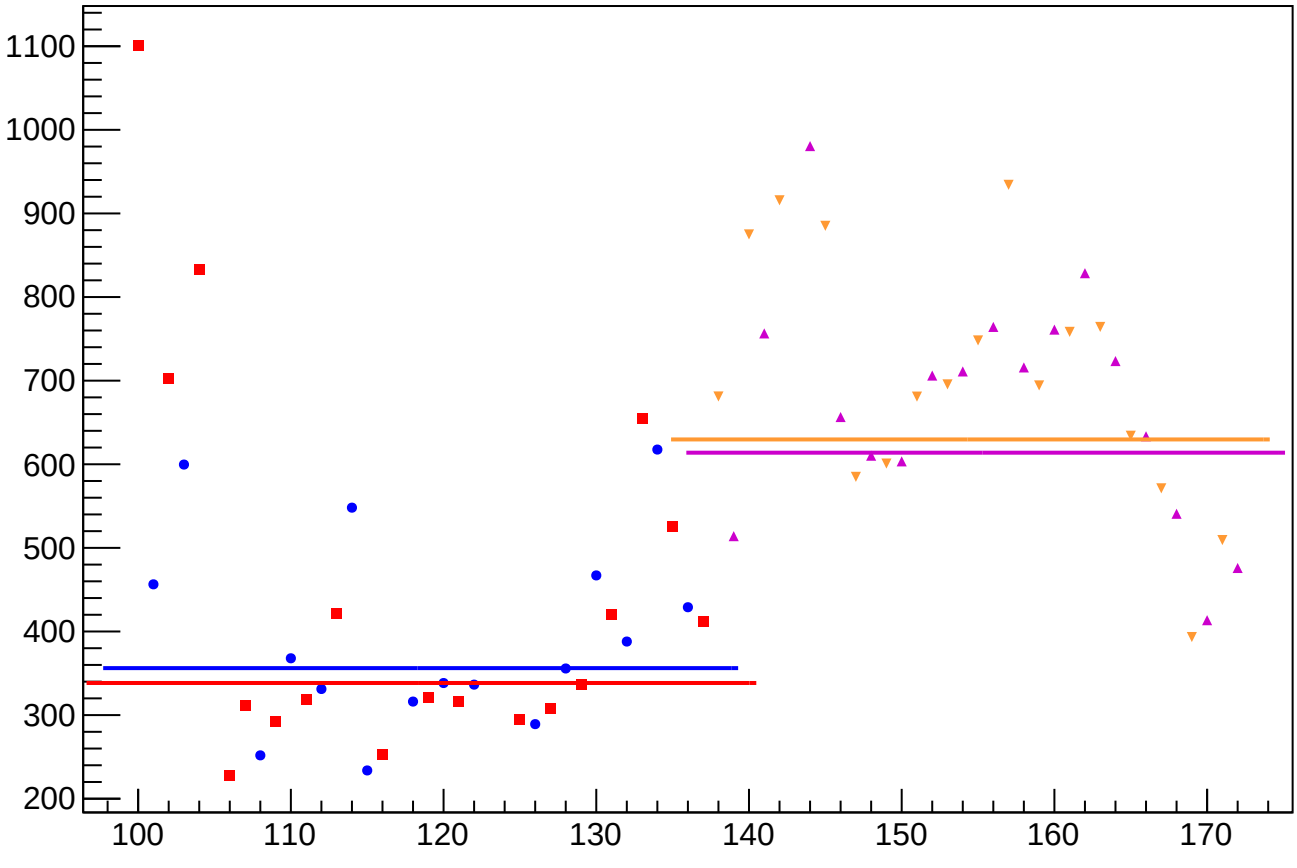
Left: -0.145+/-0.123 χ^2/NDF: 49.5/33

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+/-0.109 χ^2/NDF:52.7/34

All: -0.036+/-0.077 χ^2/NDF: 91.5/67



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 629.693+/-0.126 χ^2/NDF:1391493.6/16

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: 621.379+/-0.087 χ^2/NDF: 2667285.9/33

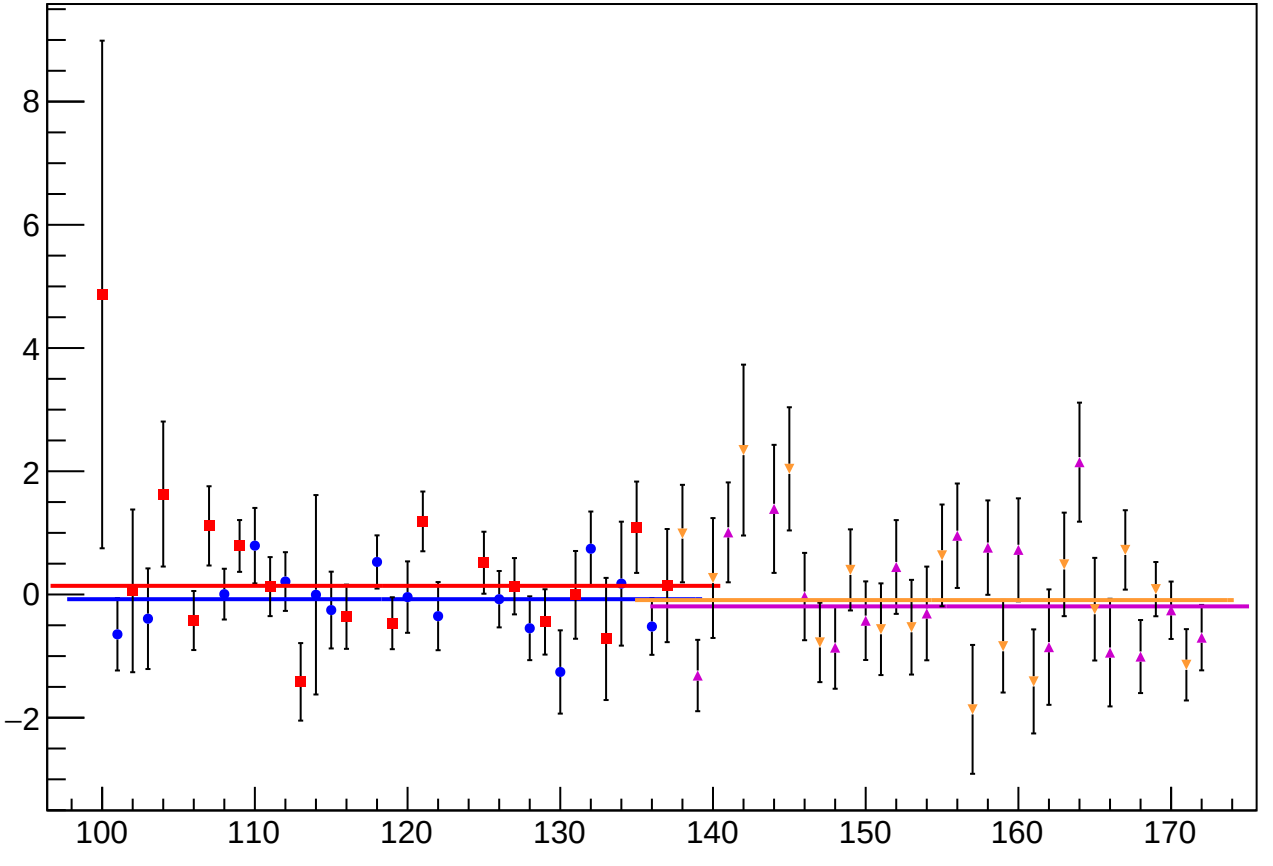
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 460.264+/-0.076 χ^2/NDF:4792882.1/32

Out: 447.282+/-0.077 χ^2/NDF:5926707.2/34

All: 453.843+/-0.054 χ^2/NDF: 10733879.4/67

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: -0.091+/-0.179 χ^2/NDF:24.7/16

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: -0.145+/-0.123 χ^2/NDF: 49.5/33

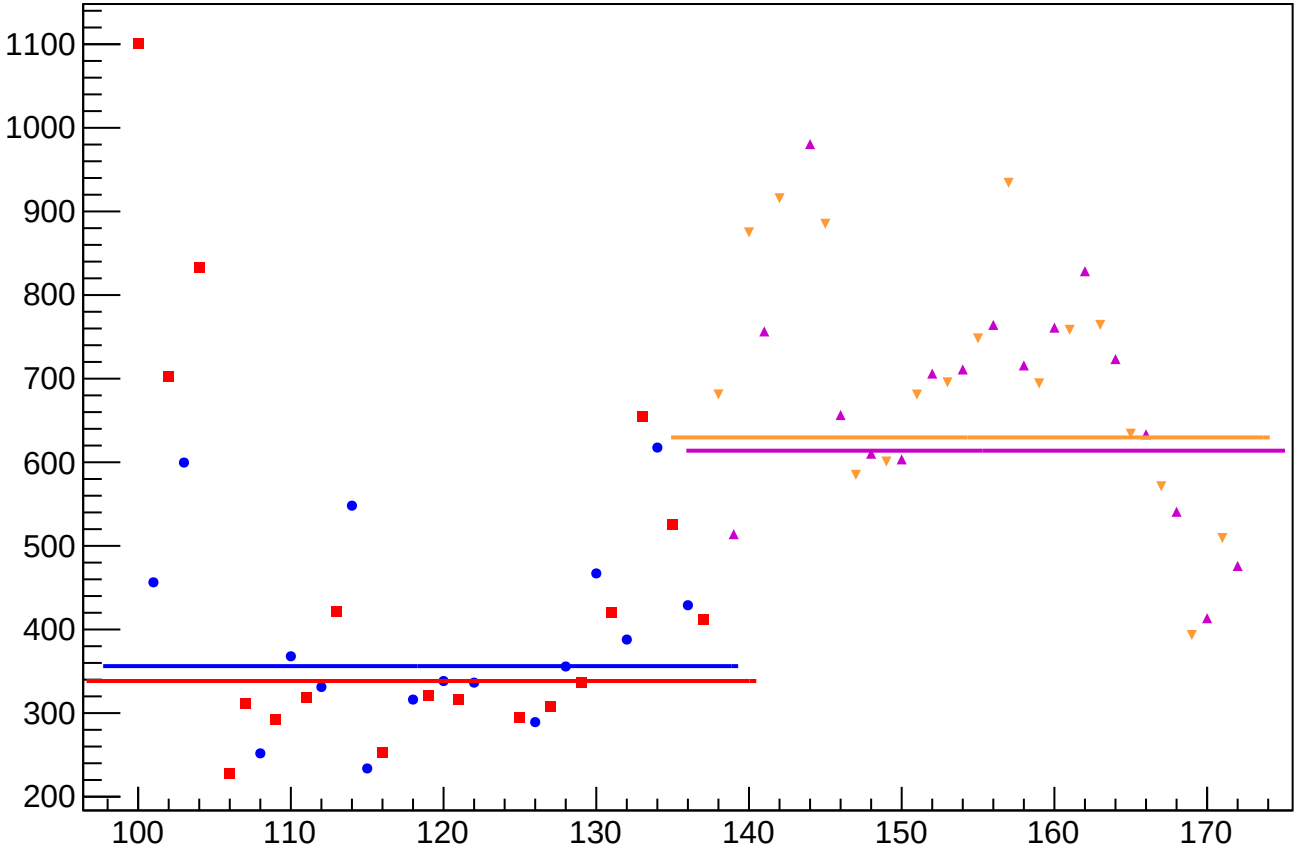
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.124+/-0.108 χ^2/NDF:37.5/32

Out: 0.054+/-0.109 χ^2/NDF:52.7/34

All: -0.036+/-0.077 χ^2/NDF: 91.5/67

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: 629.693+/-0.126 χ^2/NDF:1391493.6/16

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 613.850+/-0.120 χ^2/NDF:1267532.9/16

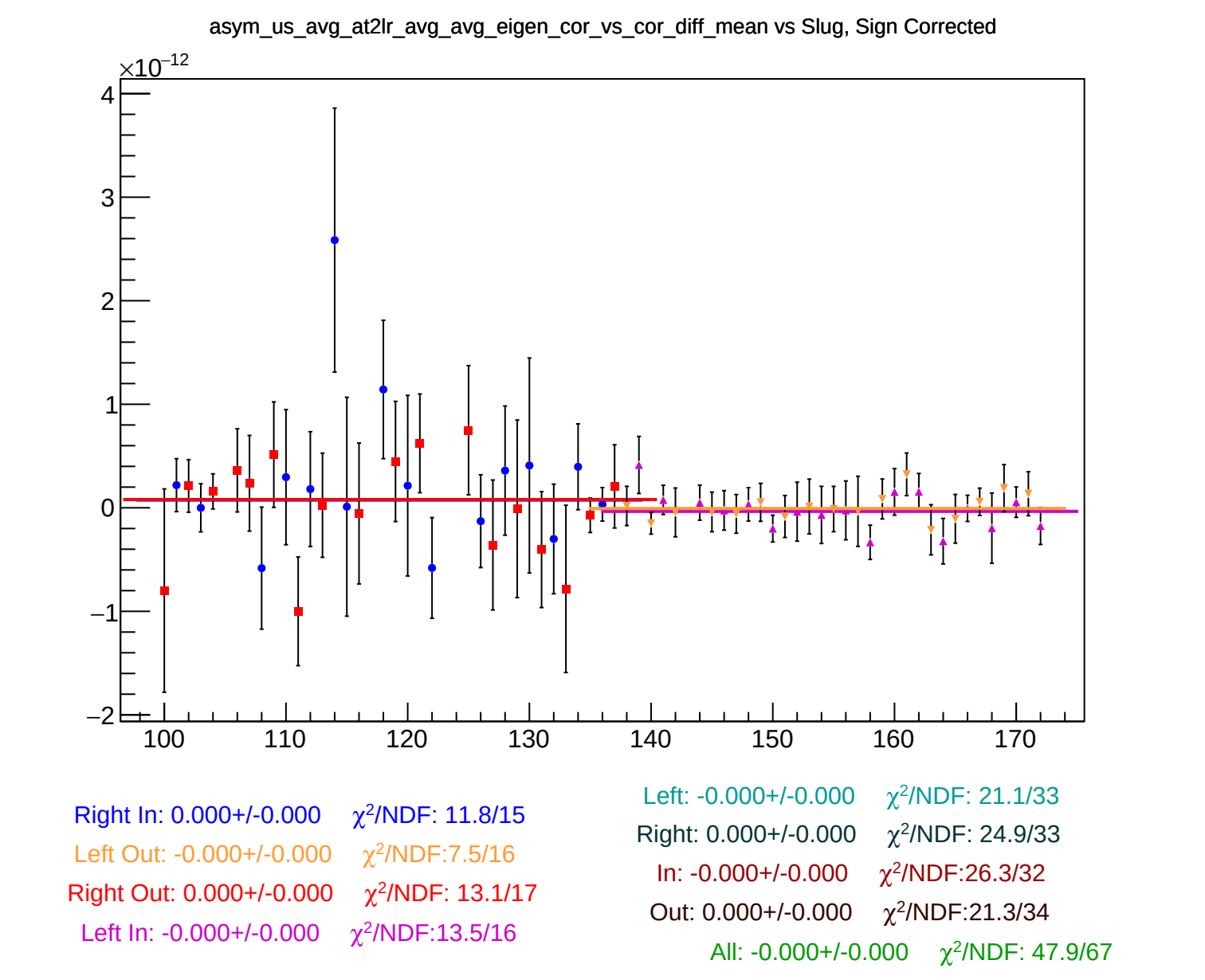
Left: 621.379+/-0.087 χ^2/NDF: 2667285.9/33

Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

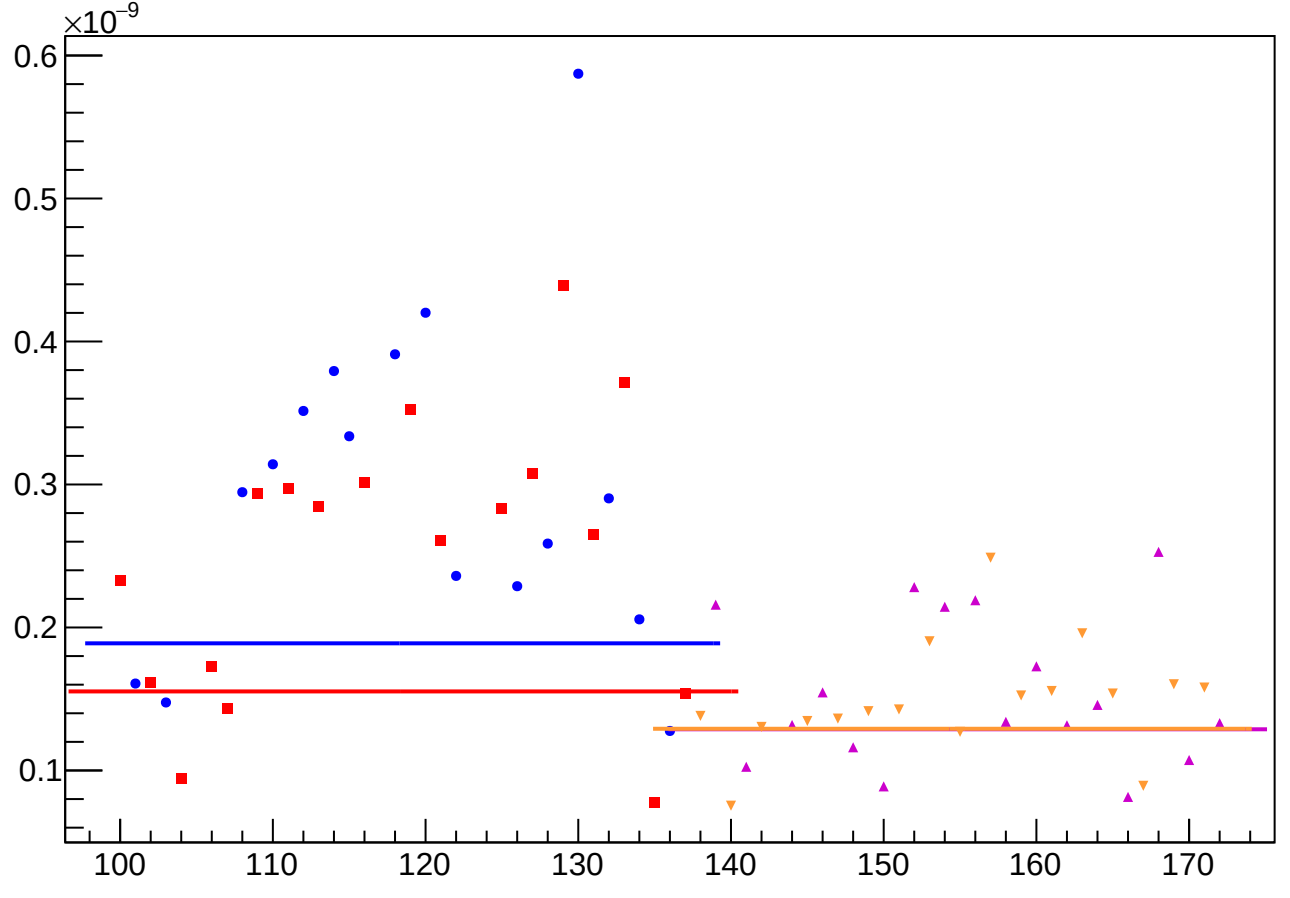
In: 460.264+/-0.076 χ^2/NDF:4792882.1/32

Out: 447.282+/-0.077 χ^2/NDF:5926707.2/34

All: 453.843+/-0.054 χ^2/NDF: 10733879.4/67


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: -0.000+/-0.000 χ²/NDF:7.5/16
Right Out: 0.000+/-0.000 χ²/NDF: 13.1/17
Left In: -0.000+/-0.000 χ²/NDF:13.5/16
Left: -0.000+/-0.000 χ²/NDF: 21.1/33
Right: 0.000+/-0.000 χ²/NDF: 24.9/33
In: -0.000+/-0.000 χ²/NDF:26.3/32
Out: 0.000+/-0.000 χ²/NDF:21.3/34
All: -0.000+/-0.000 χ²/NDF: 47.9/67

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:1412981.9/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1830146.7/16

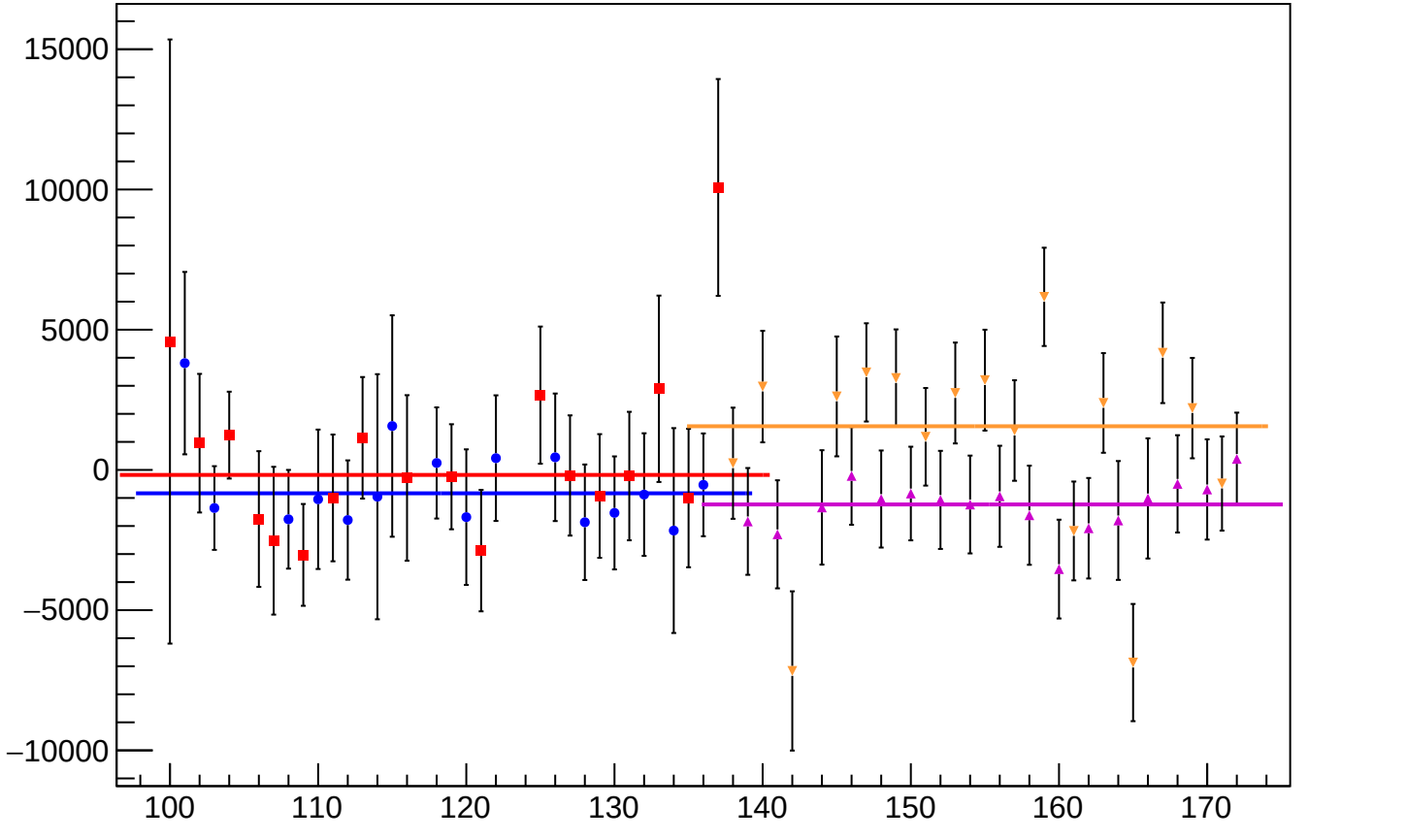
Left: 0.000+/-0.000 χ^2/NDF: 3243194.2/33

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:3758810.4/34

All: 0.000+/-0.000 χ^2/NDF: 7764827.8/67



Right In: -833.479+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1557.487+/-449.943 χ^2/NDF:45.8/16

Right Out: -178.292+/-547.824 χ^2/NDF: 16.5/17

Left In: -1230.943+/-439.473 χ^2/NDF:4.2/16

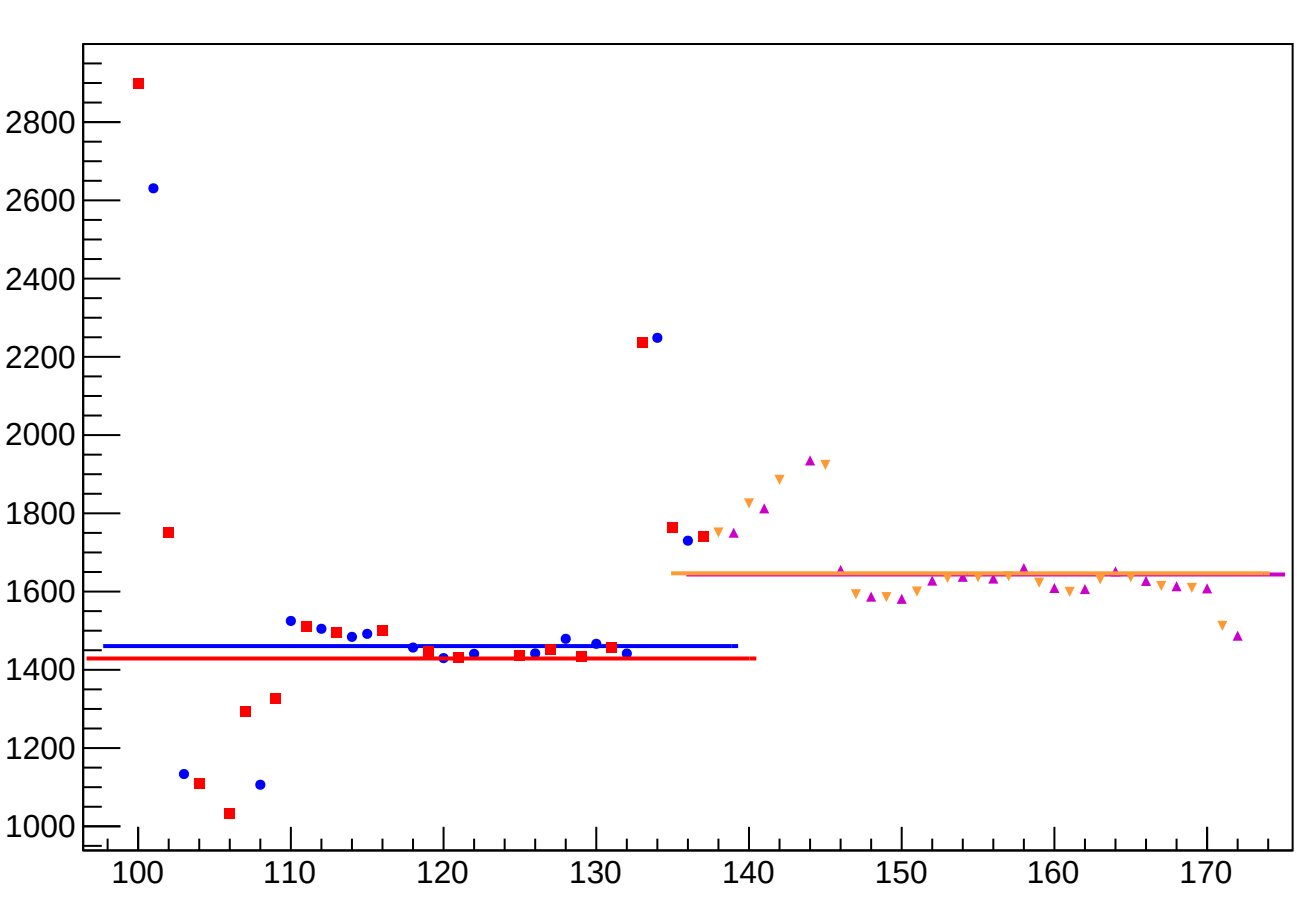
Left: 130.449+/-314.391 χ^2/NDF: 69.6/33

Right: -501.721+/-389.824 χ^2/NDF: 21.8/33

In: -1077.713+/-344.497 χ^2/NDF:9.1/32

Out: 858.253+/-347.700 χ^2/NDF:68.2/34

All: -118.688+/-244.721 χ^2/NDF: 92.9/67



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1646.675+/-0.318 χ^2/NDF:91778.8/16

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1643.642+/-0.311 χ^2/NDF:89097.0/16

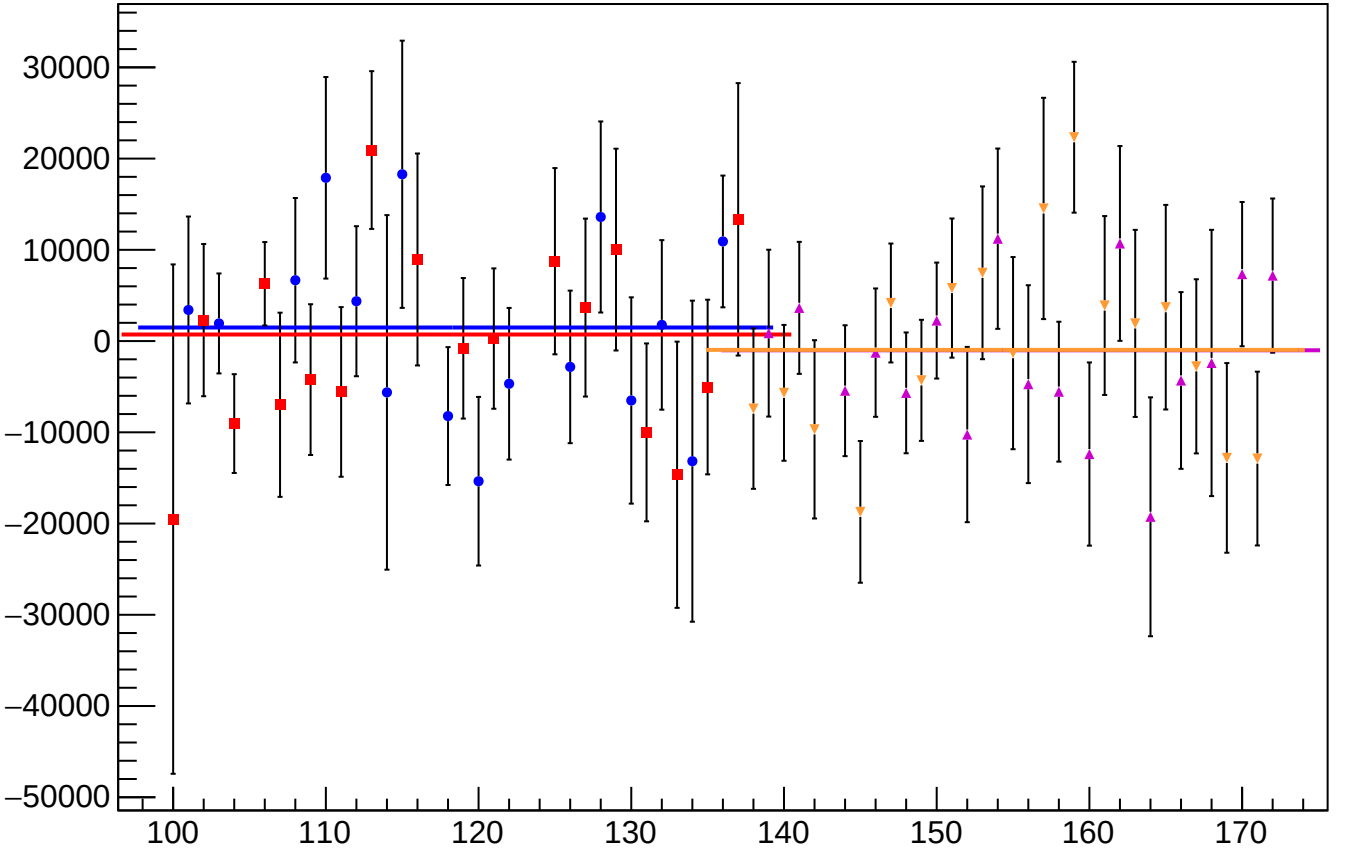
Left: 1645.123+/-0.222 χ^2/NDF: 180922.4/33

Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1573.096+/-0.244 χ^2/NDF:798511.1/32

Out: 1558.186+/-0.245 χ^2/NDF:693393.9/34

All: 1565.688+/-0.173 χ^2/NDF: 1493766.4/67



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -965.883+/-2121.328 χ^2/NDF:22.4/16

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: -988.126+/-1479.276 χ^2/NDF: 33.5/33

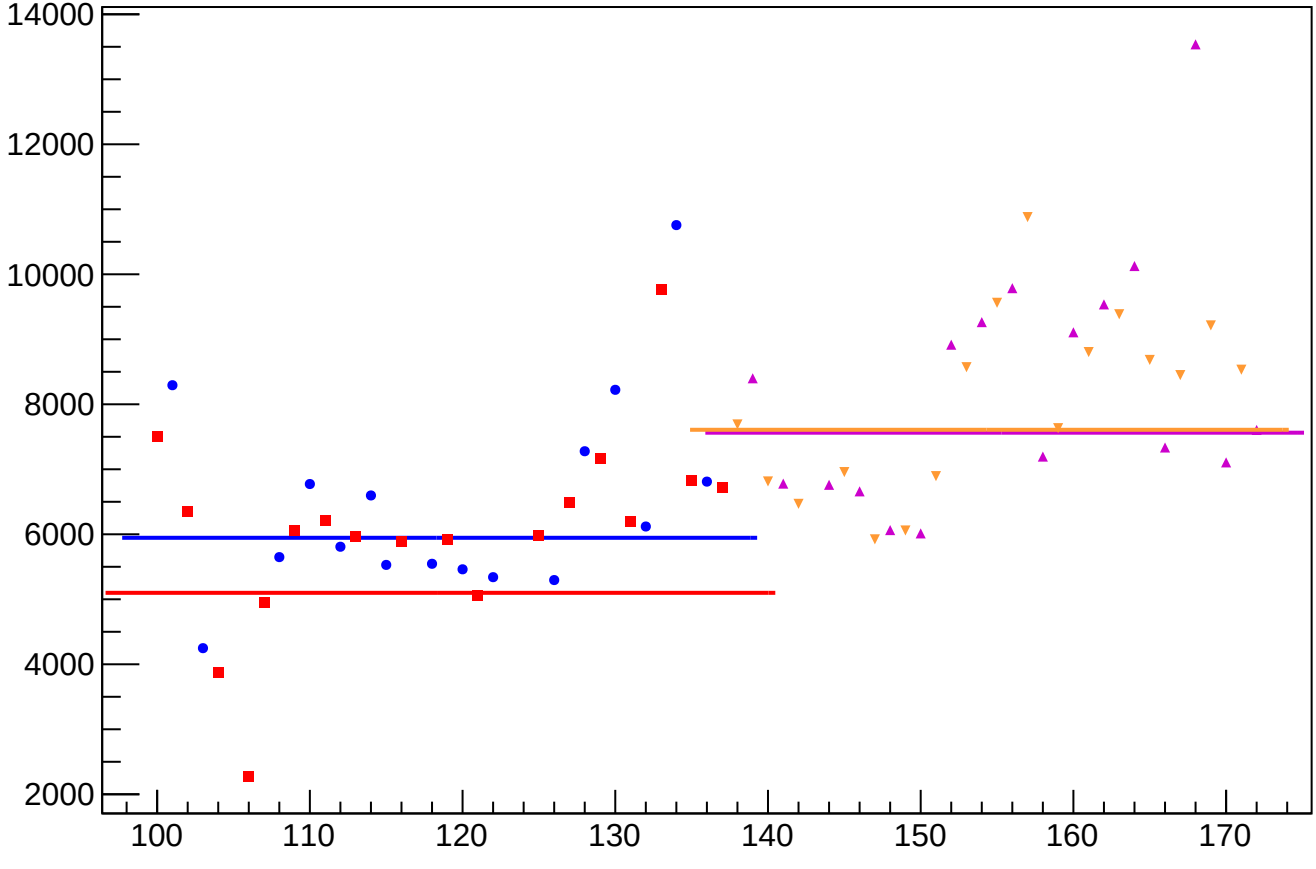
Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 121.731+/-1526.465 χ^2/NDF:26.0/32

Out: -78.108+/-1459.651 χ^2/NDF:40.2/34

All: 17.342+/-1054.959 χ^2/NDF: 66.2/67

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: 7607.793+/-1.500 χ^2/NDF:750102.2/16

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7562.962+/-1.459 χ^2/NDF:1042644.6/16

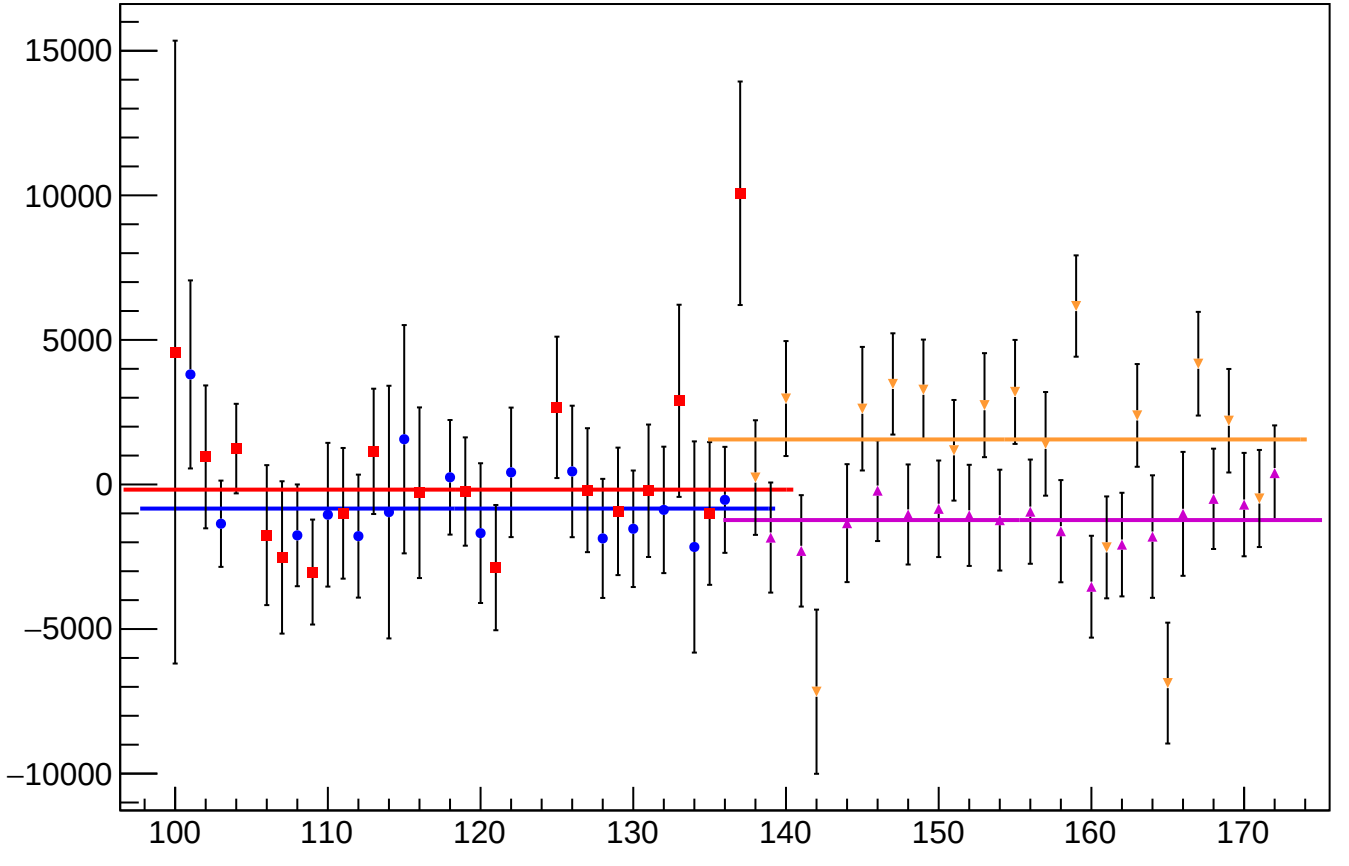
Left: 7584.762+/-1.046 χ^2/NDF: 1793205.7/33

Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6830.551+/-1.079 χ^2/NDF:2239802.0/32

Out: 6287.007+/-1.032 χ^2/NDF:3702939.6/34

All: 6546.623+/-0.746 χ^2/NDF: 6075206.0/67



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1557.578+/-449.943 χ^2/NDF:45.8/16

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: -1230.900+/-439.473 χ^2/NDF:4.2/16

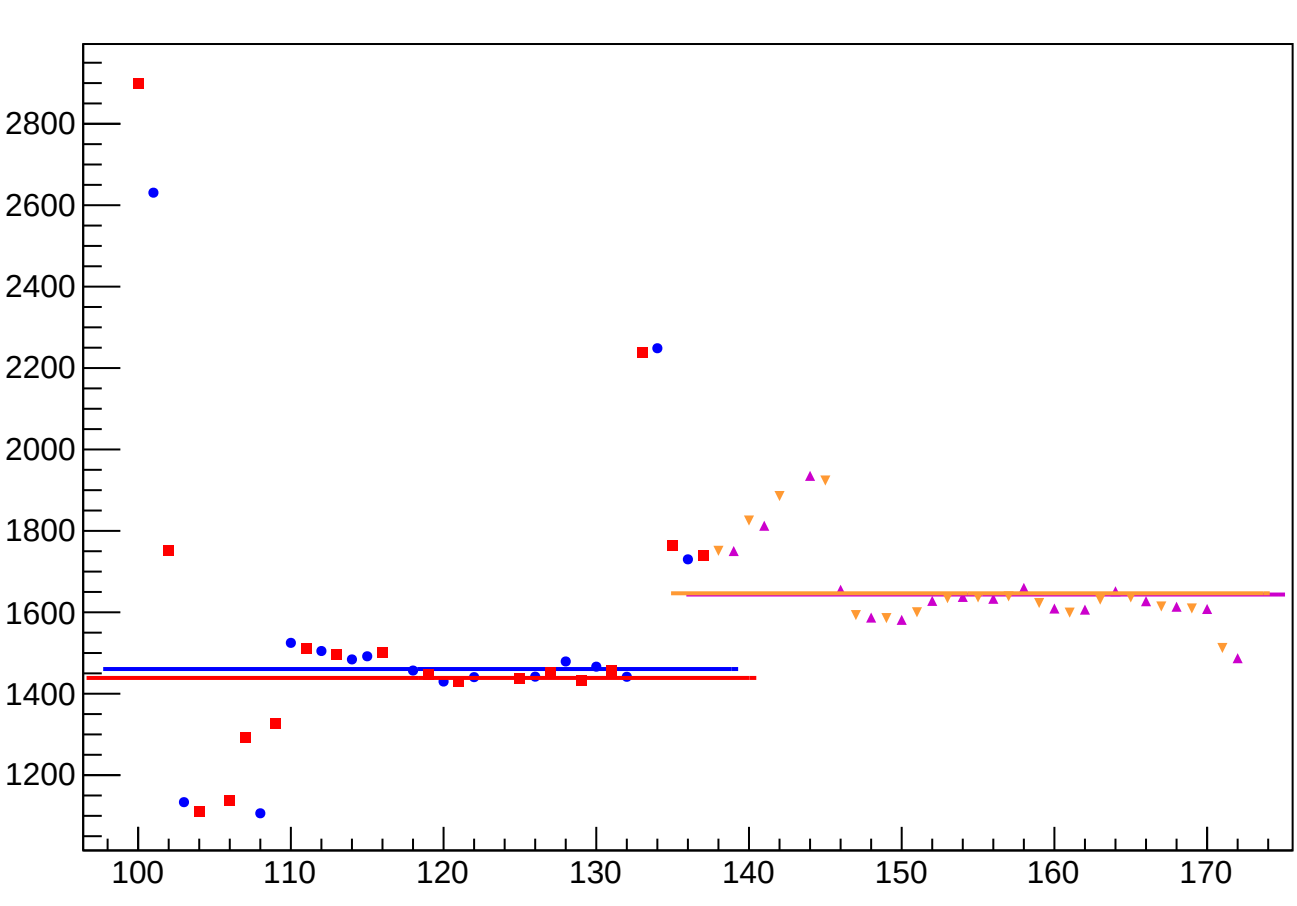
Left: 130.516+/-314.391 χ^2/NDF: 69.6/33

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -1077.710+/-344.497 χ^2/NDF:9.1/32

Out: 858.371+/-347.700 χ^2/NDF:68.2/34

All: -118.628+/-244.721 χ^2/NDF: 92.9/67



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1646.675+/-0.318 χ^2/NDF:91778.8/16

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1643.642+/-0.311 χ^2/NDF:89097.0/16

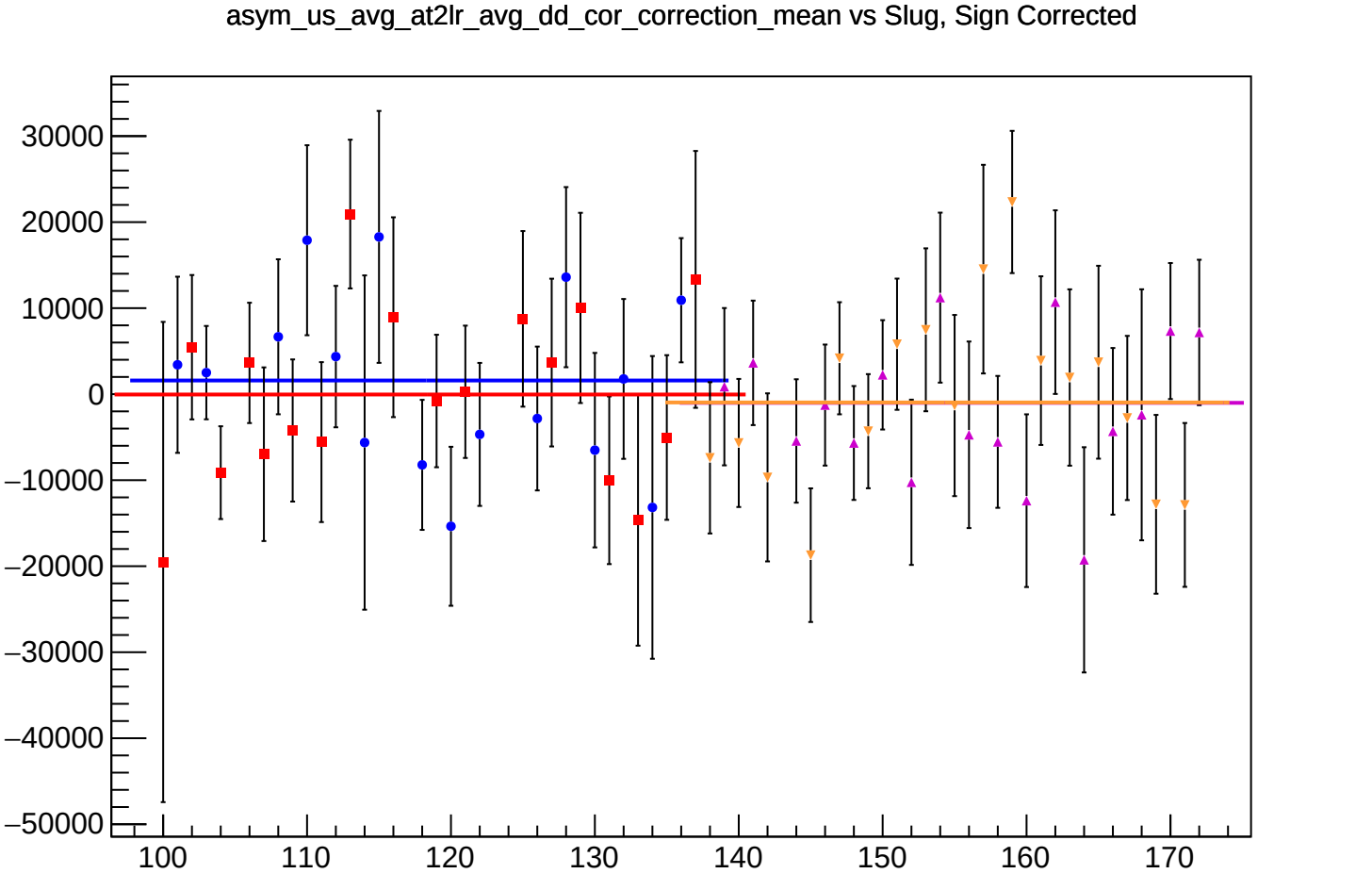
Left: 1645.123+/-0.222 χ^2/NDF: 180922.4/33

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

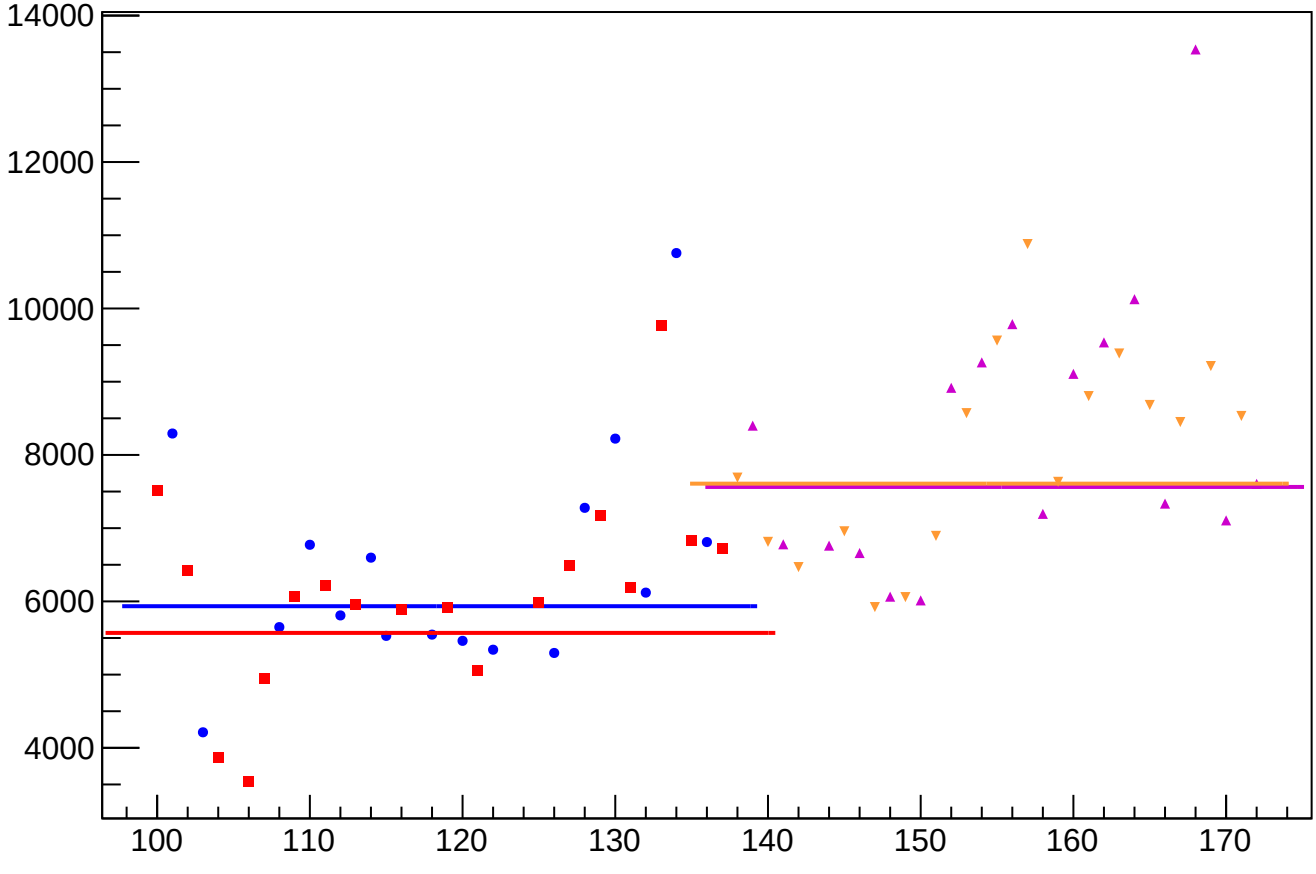
In: 1573.096+/-0.244 χ^2/NDF:798511.6/32

Out: 1562.692+/-0.246 χ^2/NDF:637651.9/34

All: 1567.937+/-0.173 χ^2/NDF: 1437068.0/67


asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: 1588.655+/-2264.260 χ²/NDF: 14.2/15
Left Out: -965.870+/-2121.328 χ²/NDF:22.4/16
Right Out: -40.643+/-2133.039 χ²/NDF: 16.5/17
Left In: -1009.199+/-2063.876 χ²/NDF:11.1/16
Left: -988.129+/-1479.275 χ²/NDF: 33.5/33
Right: 725.429+/-1552.604 χ²/NDF: 30.9/33
In: 169.710+/-1525.313 χ²/NDF:26.1/32
Out: -505.803+/-1504.129 χ²/NDF:38.9/34
All: -172.770+/-1070.991 χ²/NDF: 65.1/67

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: 7607.789+/-1.500 χ^2/NDF:750102.5/16

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7562.954+/-1.459 χ^2/NDF:1042648.2/16

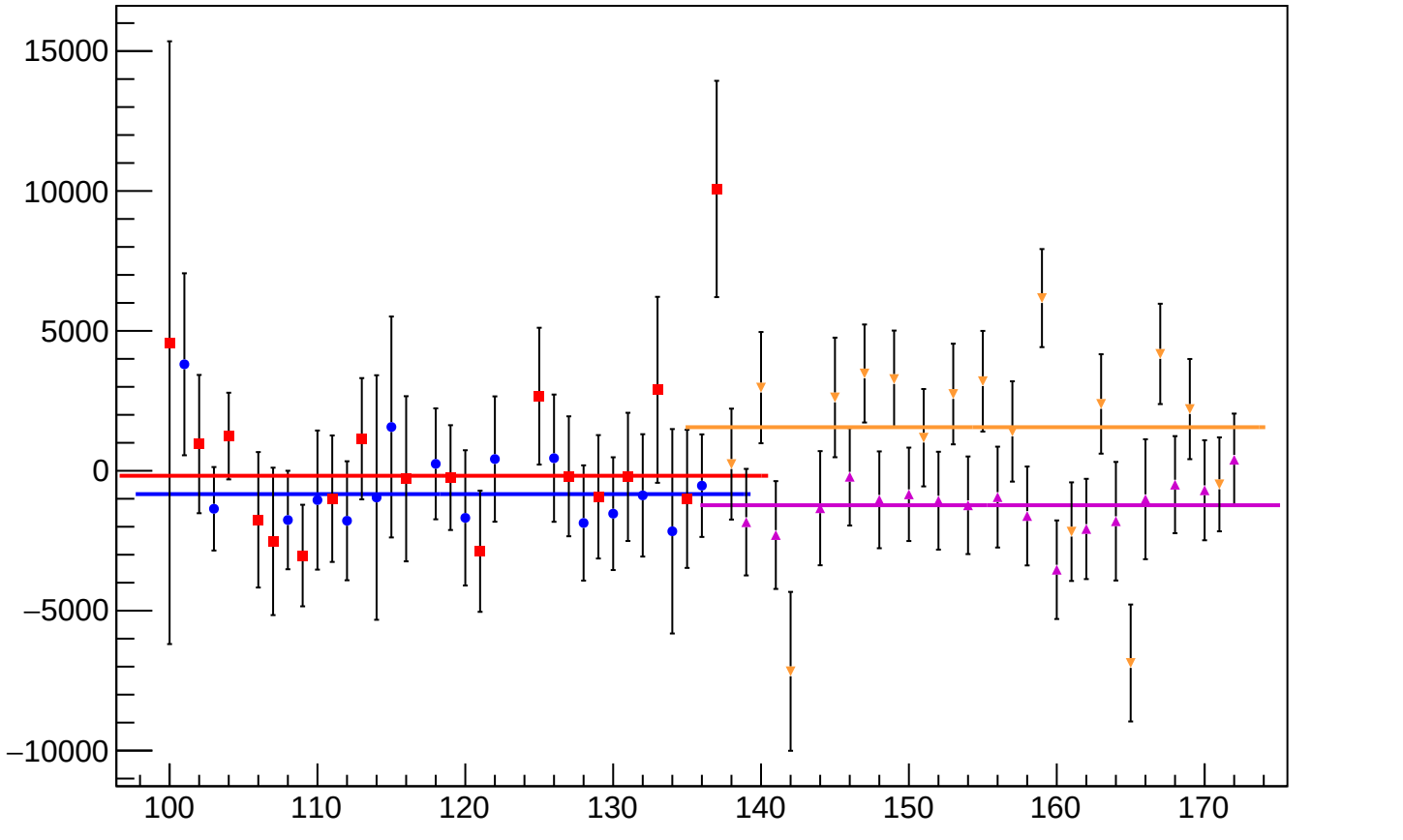
Left: 7584.756+/-1.046 χ^2/NDF: 1793209.7/33

Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6823.828+/-1.079 χ^2/NDF:2260973.2/32

Out: 6594.308+/-1.064 χ^2/NDF:2392216.2/34

All: 6707.463+/-0.757 χ^2/NDF: 4676148.5/67



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1557.578+/-449.943 χ^2/NDF:45.8/16

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: -1230.900+/-439.473 χ^2/NDF:4.2/16

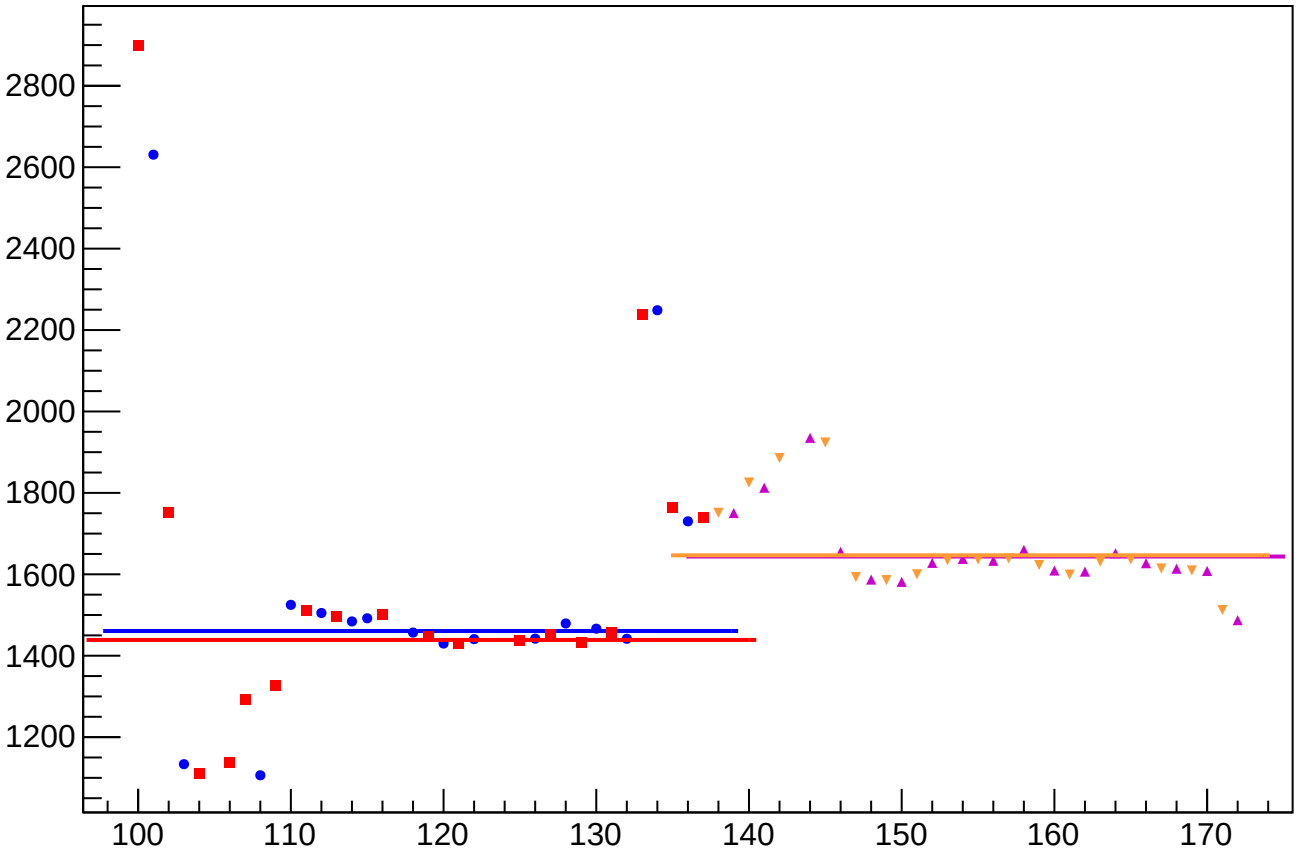
Left: 130.516+/-314.391 χ^2/NDF: 69.6/33

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -1077.710+/-344.497 χ^2/NDF:9.1/32

Out: 858.371+/-347.700 χ^2/NDF:68.2/34

All: -118.628+/-244.721 χ^2/NDF: 92.9/67



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1646.675+/-0.318 χ^2/NDF:91778.8/16

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: 1645.123+/-0.222 χ^2/NDF: 180922.4/33

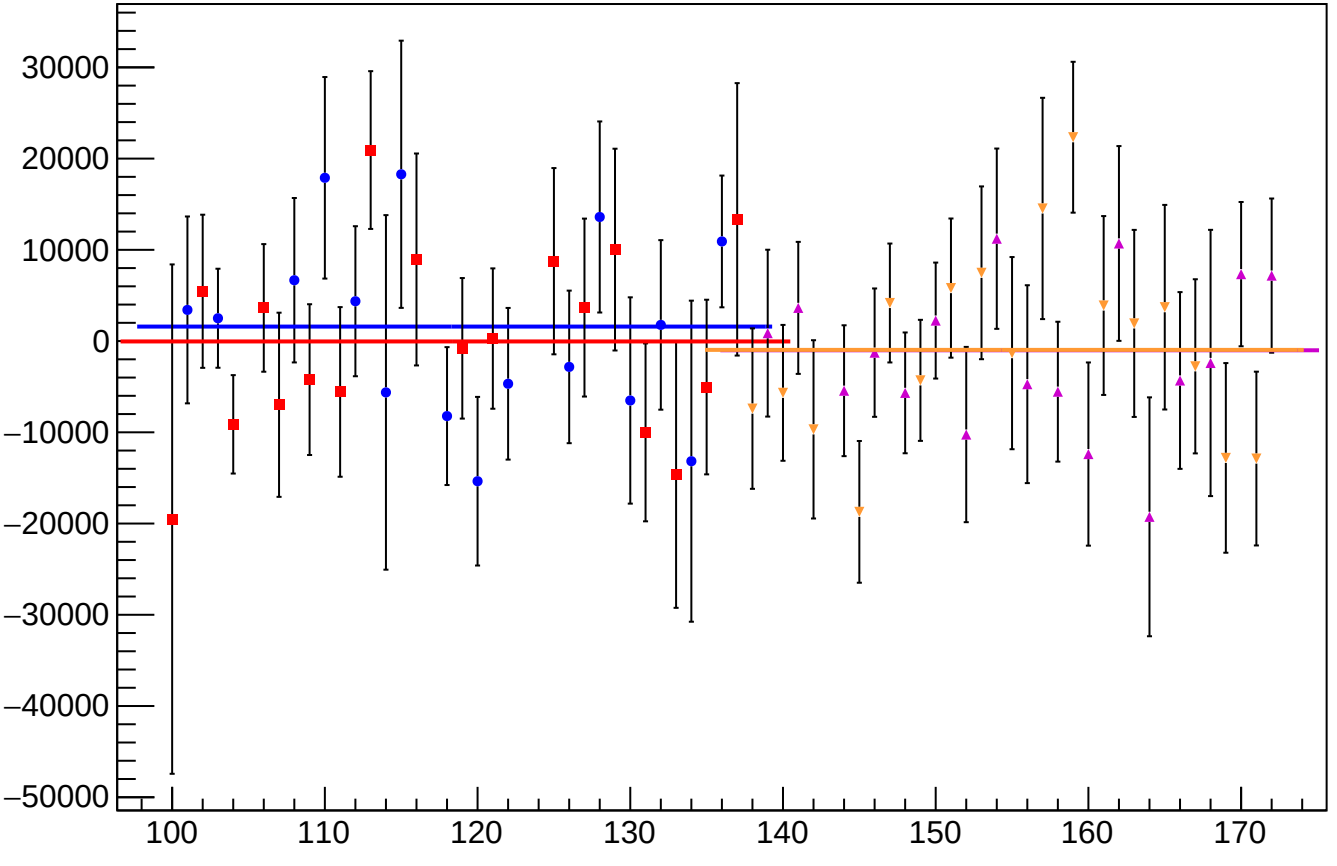
Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1573.096+/-0.244 χ^2/NDF:798511.6/32

Out: 1562.692+/-0.246 χ^2/NDF:637651.9/34

All: 1567.937+/-0.173 χ^2/NDF: 1437068.0/67

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: -965.870+/-2121.328 χ^2/NDF:22.4/16

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: -988.129+/-1479.275 χ^2/NDF: 33.5/33

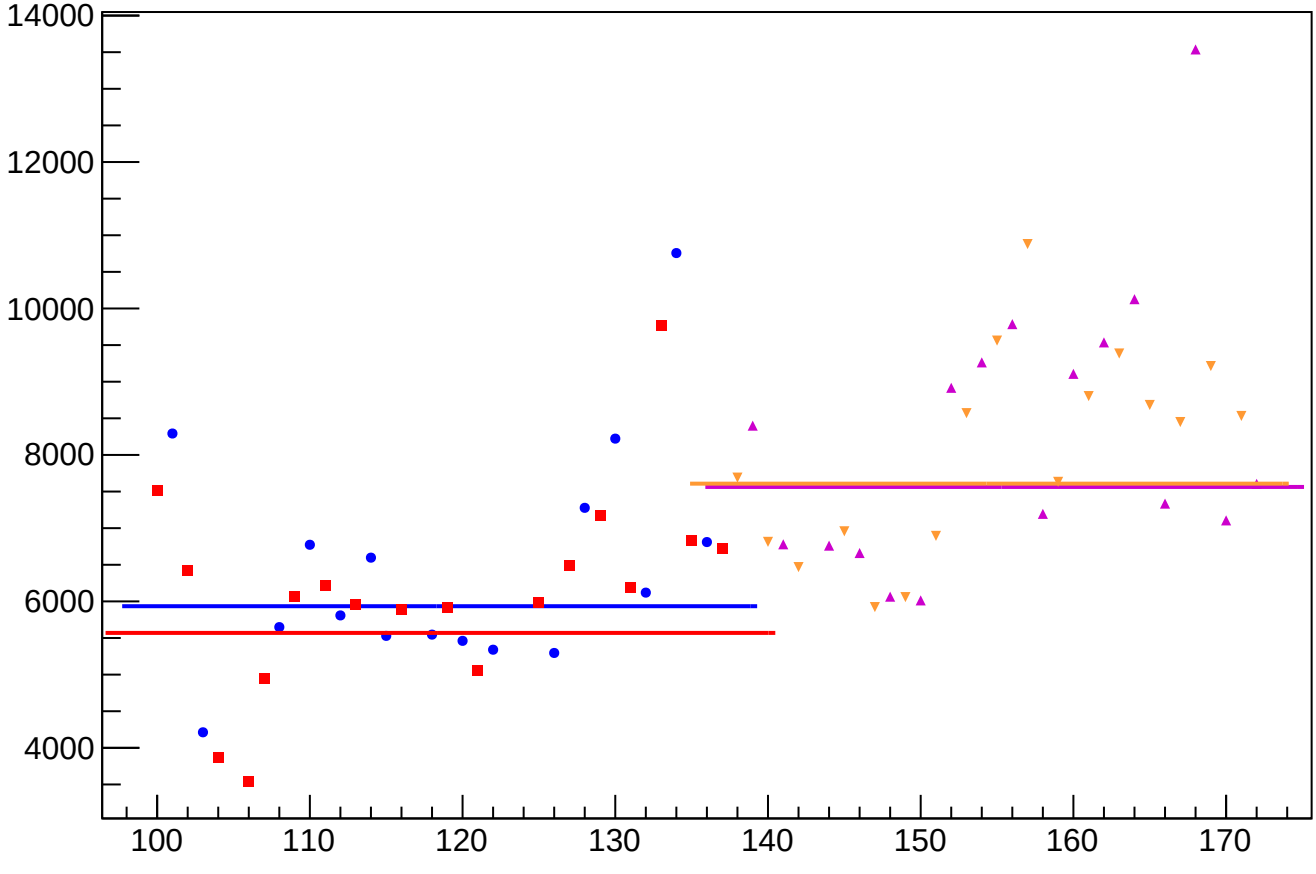
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 169.710+/-1525.313 χ^2/NDF:26.1/32

Out: -505.803+/-1504.129 χ^2/NDF:38.9/34

All: -172.770+/-1070.991 χ^2/NDF: 65.1/67

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: 7607.789+/-1.500 χ^2/NDF:750102.5/16

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7562.954+/-1.459 χ^2/NDF:1042648.2/16

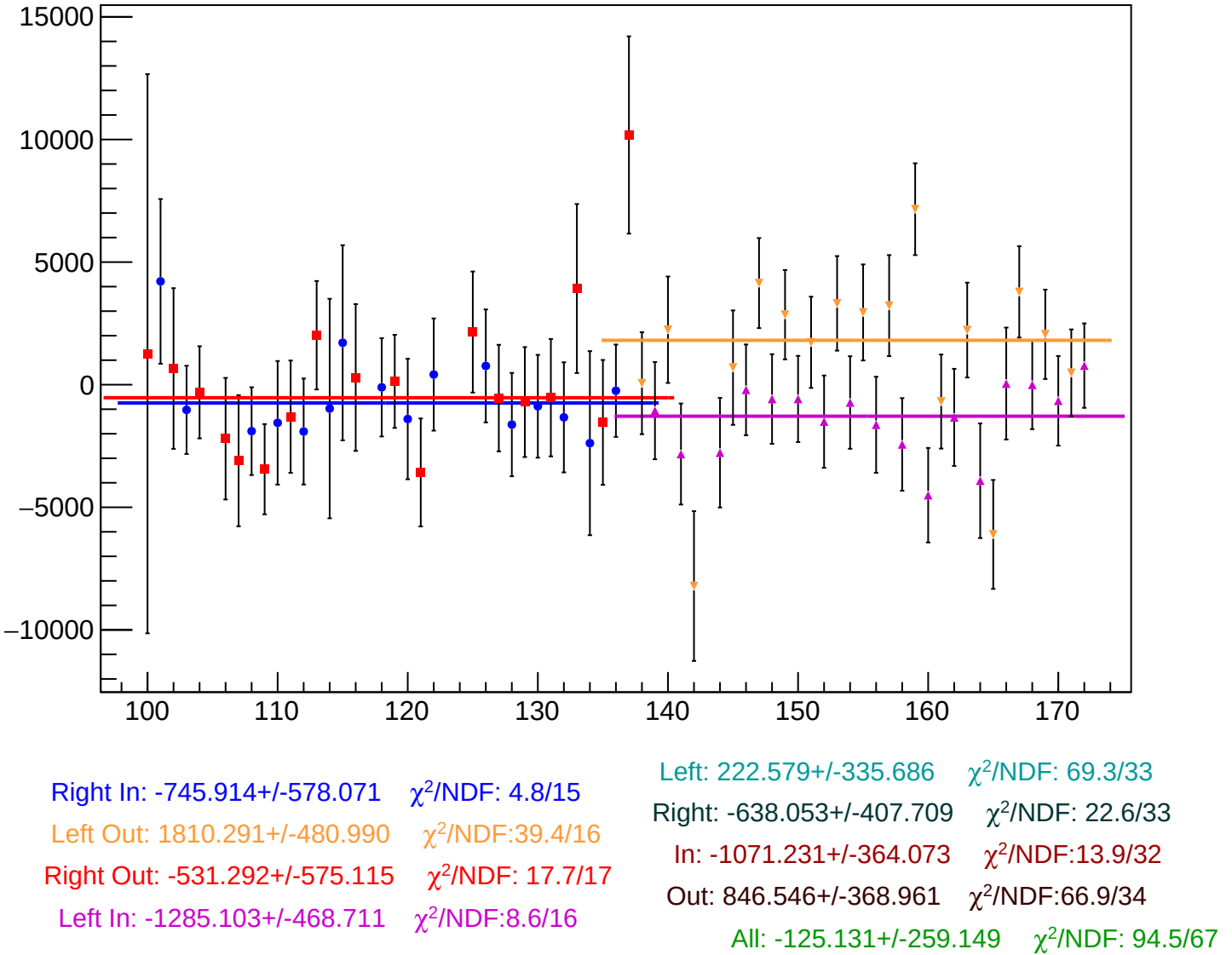
Left: 7584.756+/-1.046 χ^2/NDF: 1793209.7/33

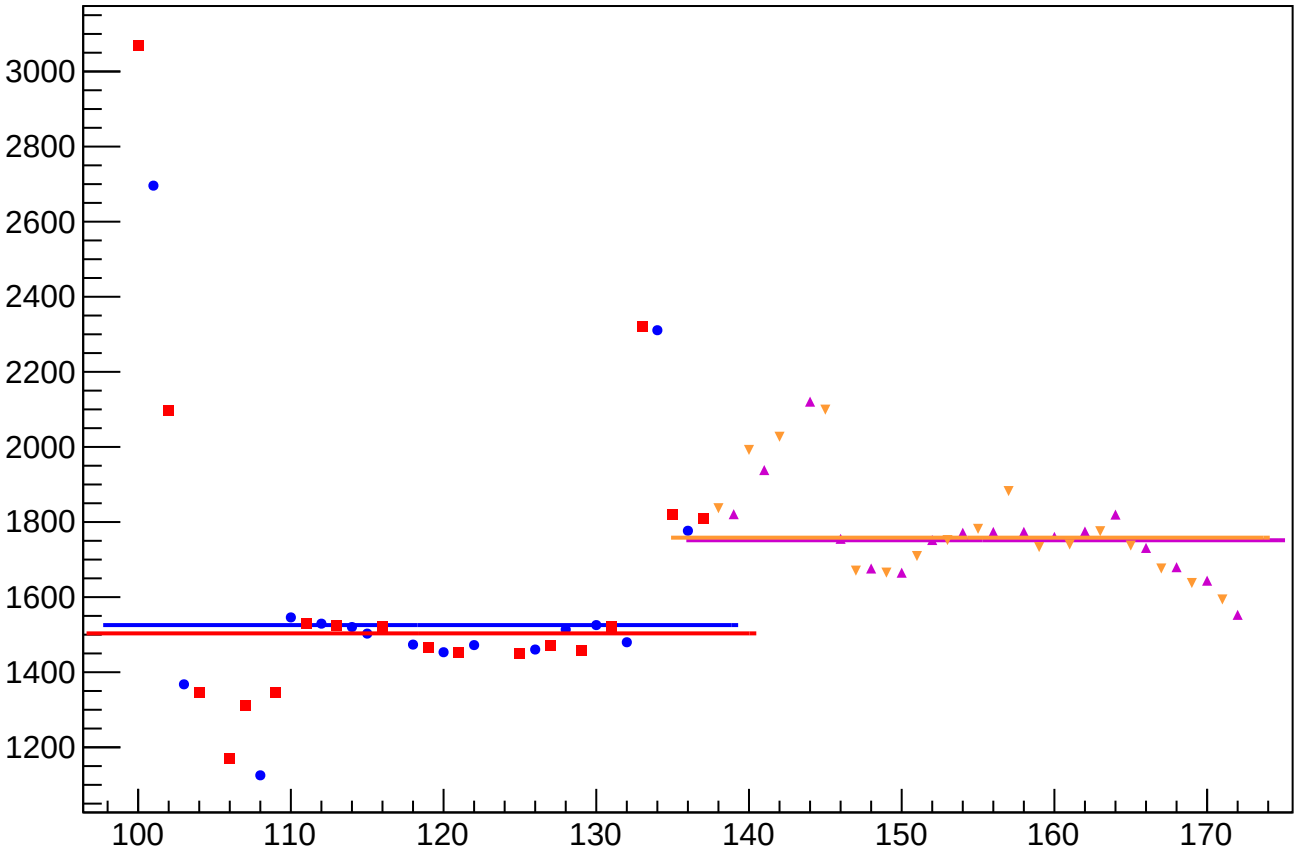
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6823.828+/-1.079 χ^2/NDF:2260973.2/32

Out: 6594.308+/-1.064 χ^2/NDF:2392216.2/34

All: 6707.463+/-0.757 χ^2/NDF: 4676148.5/67


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: 1810.291+/-480.990 χ²/NDF:39.4/16
Right Out: -531.292+/-575.115 χ²/NDF: 17.7/17
Left In: -1285.103+/-468.711 χ²/NDF:8.6/16
Left: 222.579+/-335.686 χ²/NDF: 69.3/33
Right: -638.053+/-407.709 χ²/NDF: 22.6/33
In: -1071.231+/-364.073 χ²/NDF:13.9/32
Out: 846.546+/-368.961 χ²/NDF:66.9/34
All: -125.131+/-259.149 χ²/NDF: 94.5/67



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1758.367+/-0.340 χ^2/NDF:133766.4/16

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1751.472+/-0.331 χ^2/NDF:121340.0/16

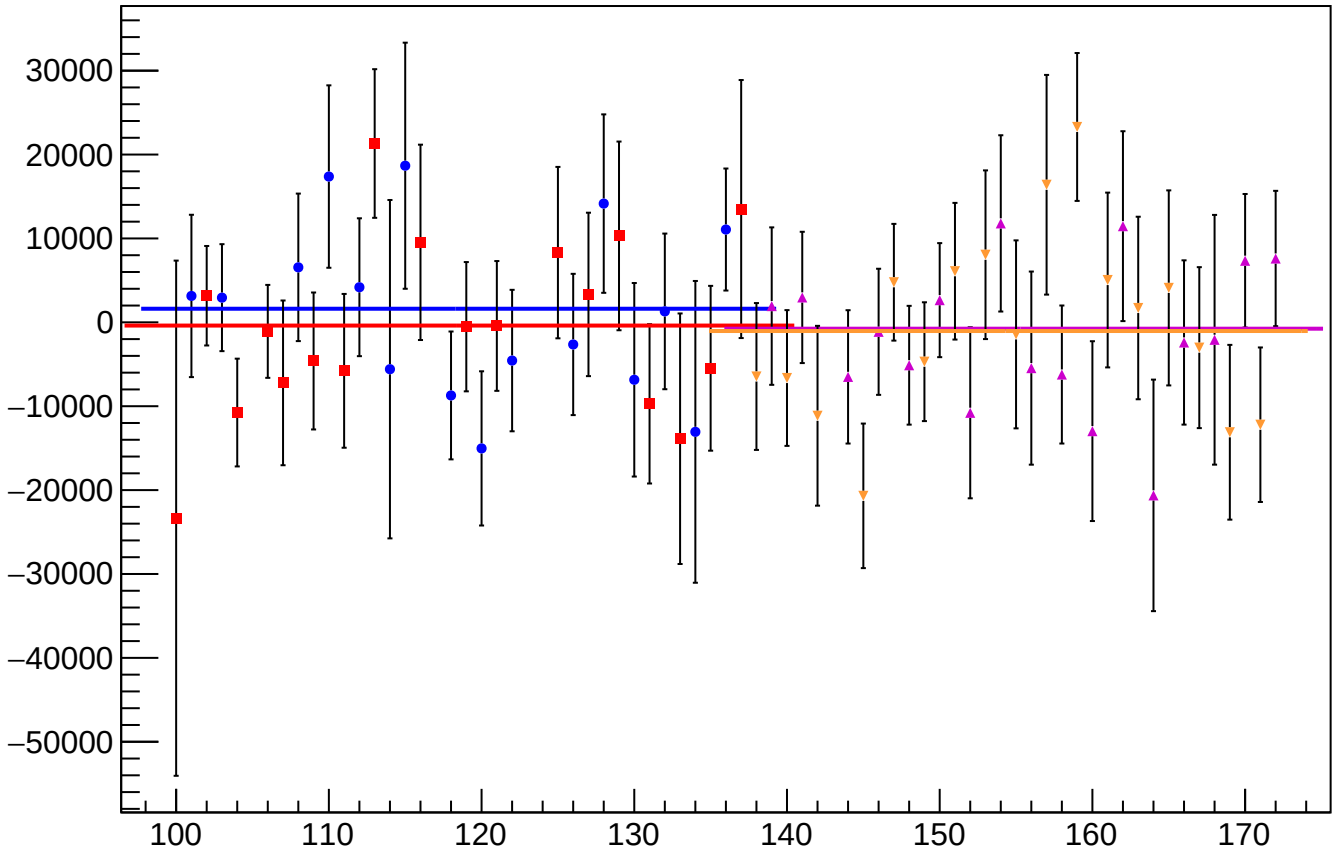
Left: 1754.831+/-0.237 χ^2/NDF: 255317.2/33

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1661.853+/-0.257 χ^2/NDF:794002.6/32

Out: 1653.406+/-0.261 χ^2/NDF:703592.1/34

All: 1657.686+/-0.183 χ^2/NDF: 1498125.9/67



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -1036.271+/-2238.043 χ^2/NDF:22.3/16

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: -759.279+/-2173.544 χ^2/NDF:11.2/16

Left: -893.726+/-1559.232 χ^2/NDF: 33.5/33

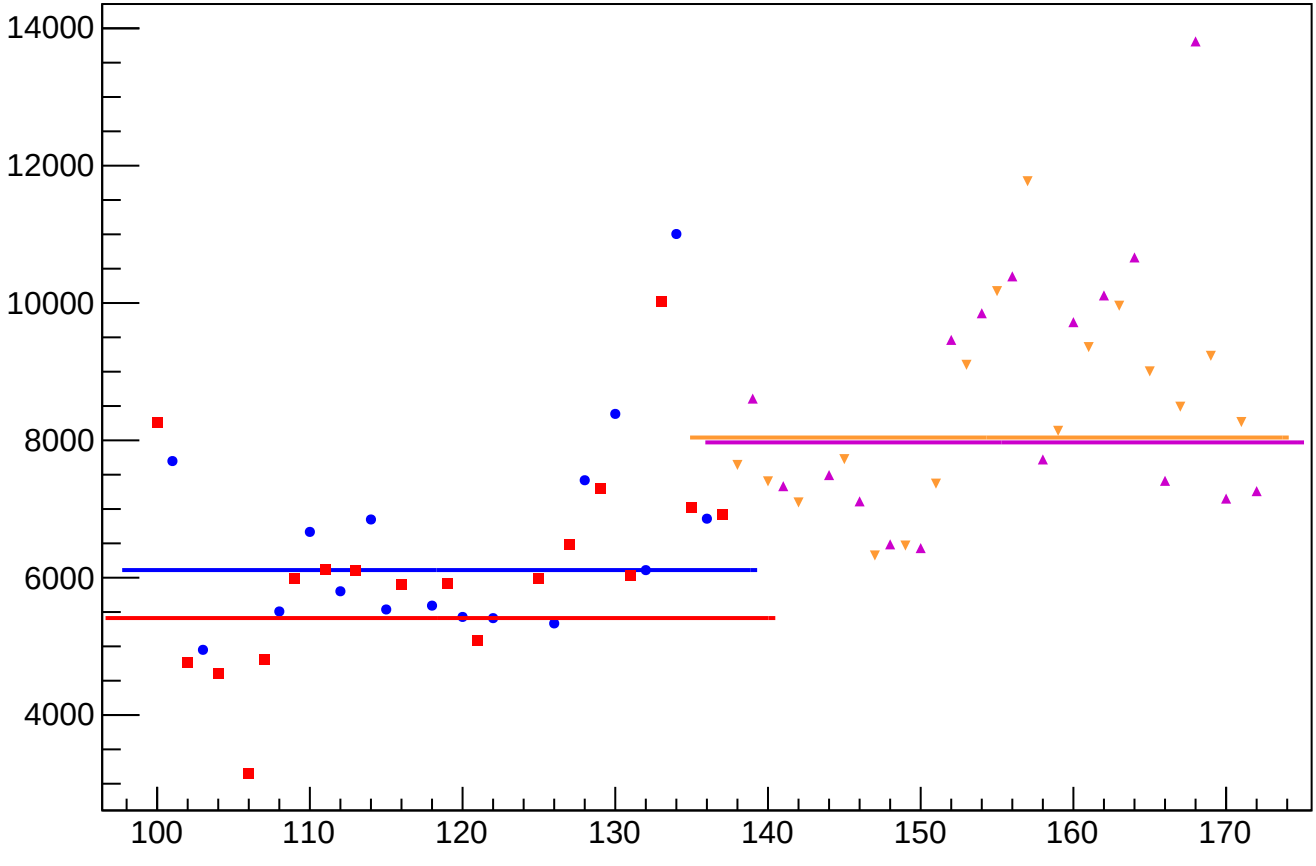
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 352.907+/-1586.188 χ^2/NDF:26.0/32

Out: -684.349+/-1516.026 χ^2/NDF:38.4/34

All: -189.169+/-1095.957 χ^2/NDF: 64.6/67

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 8041.306+/-1.583 χ^2/NDF:665771.9/16

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7970.194+/-1.537 χ^2/NDF:995263.9/16

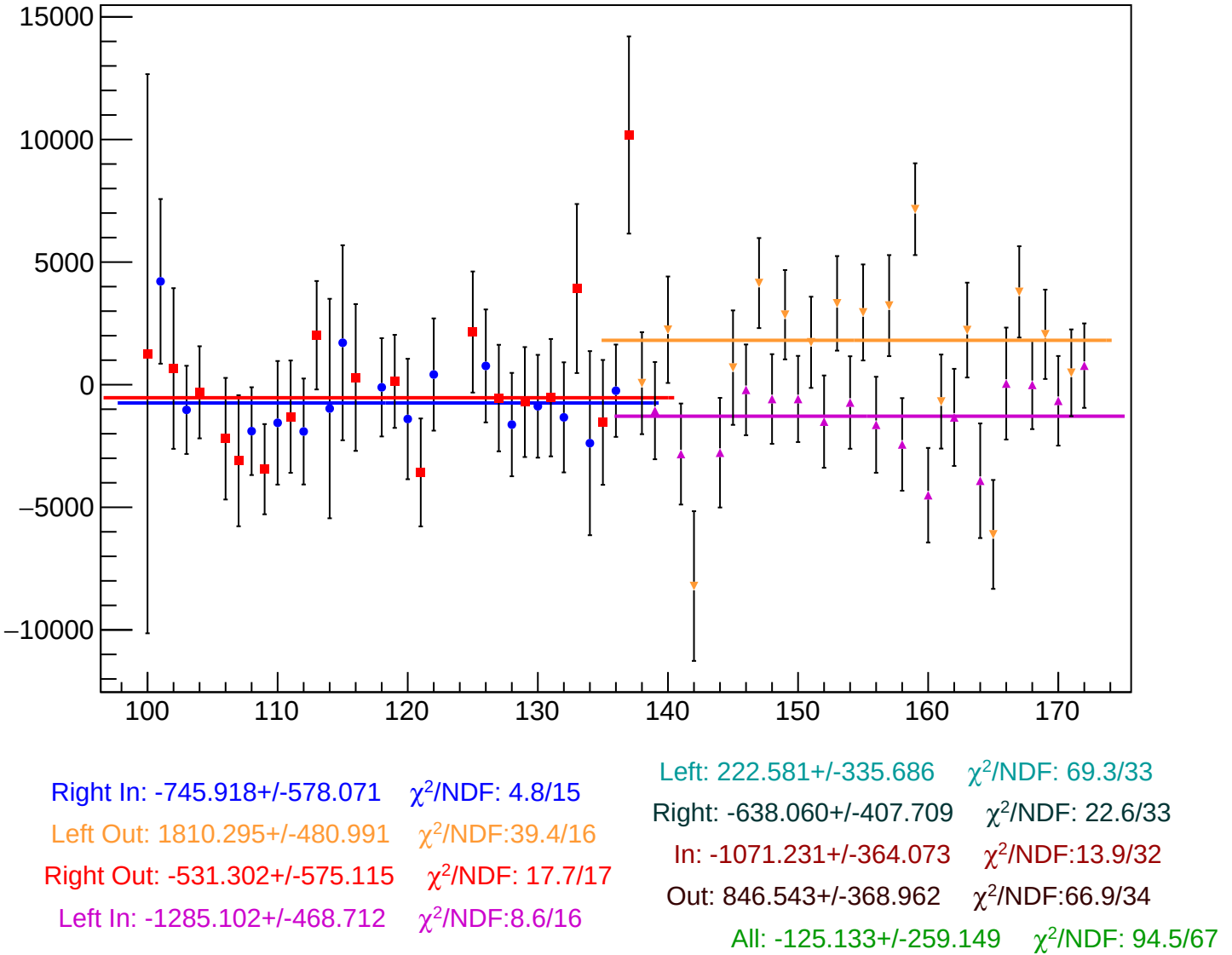
Left: 8004.711+/-1.103 χ^2/NDF: 1662074.9/33

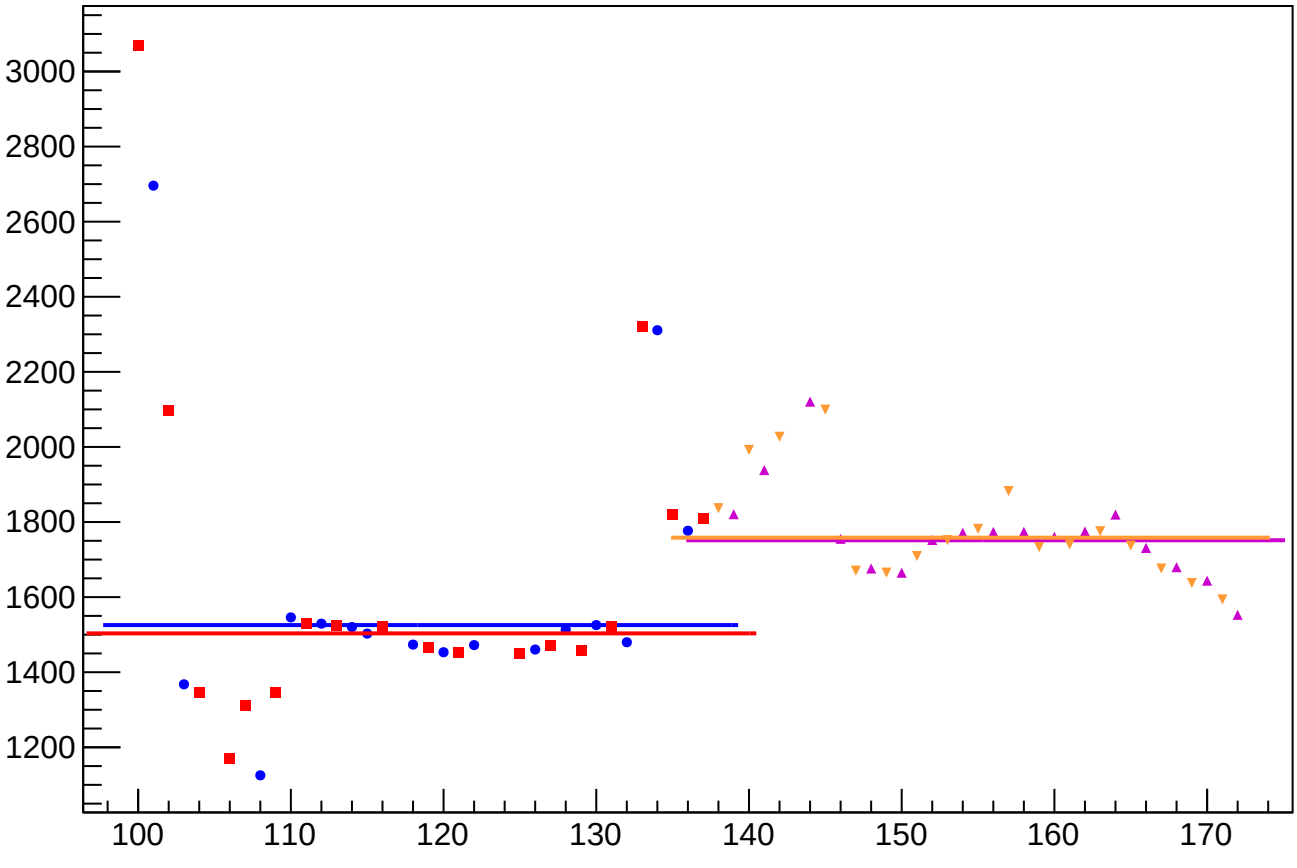
Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 7101.159+/-1.122 χ^2/NDF:2150911.0/32

Out: 6618.622+/-1.072 χ^2/NDF:2980774.5/34

All: 6848.982+/-0.775 χ^2/NDF: 5228414.2/67


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: 1810.295+/-480.991 χ²/NDF:39.4/16
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1285.102+/-468.712 χ²/NDF:8.6/16
Left: 222.581+/-335.686 χ²/NDF: 69.3/33
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -1071.231+/-364.073 χ²/NDF:13.9/32
Out: 846.543+/-368.962 χ²/NDF:66.9/34
All: -125.133+/-259.149 χ²/NDF: 94.5/67



Right In: 1525.536+/-0.409 χ^2/NDF: 488327.8/15

Left Out: 1758.369+/-0.340 χ^2/NDF:133769.8/16

Right Out: 1503.435+/-0.407 χ^2/NDF: 338507.7/17

Left In: 1751.475+/-0.331 χ^2/NDF:121342.8/16

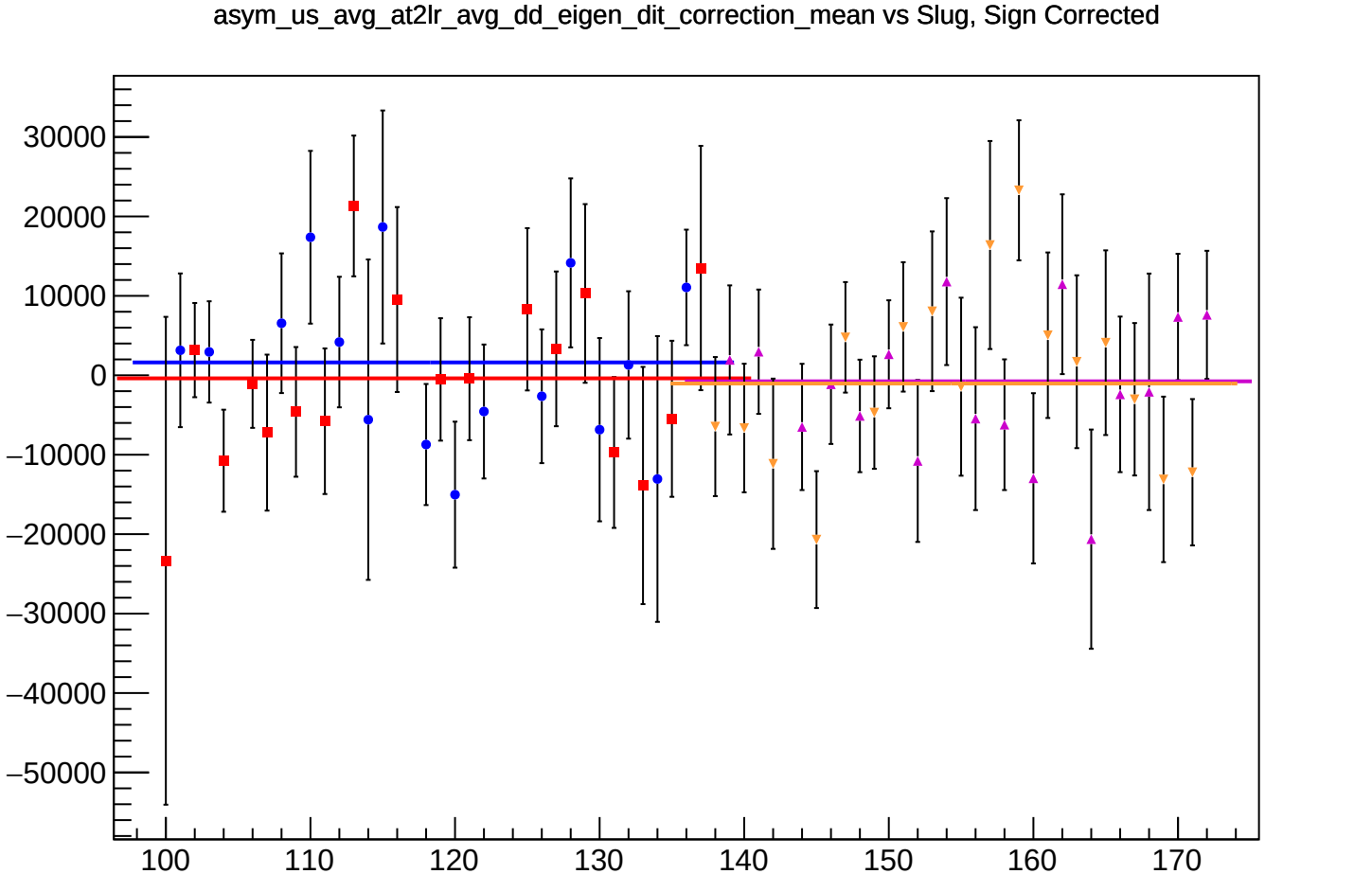
Left: 1754.833+/-0.237 χ^2/NDF: 255323.3/33

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1661.855+/-0.257 χ^2/NDF:794008.5/32

Out: 1653.408+/-0.261 χ^2/NDF:703598.9/34

All: 1657.687+/-0.183 χ^2/NDF: 1498138.6/67



Right In: 1620.038+/-2320.027 χ^2/NDF: 14.3/15

Left Out: -1036.271+/-2238.046 χ^2/NDF:22.3/16

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: -893.725+/-1559.234 χ^2/NDF: 33.5/33

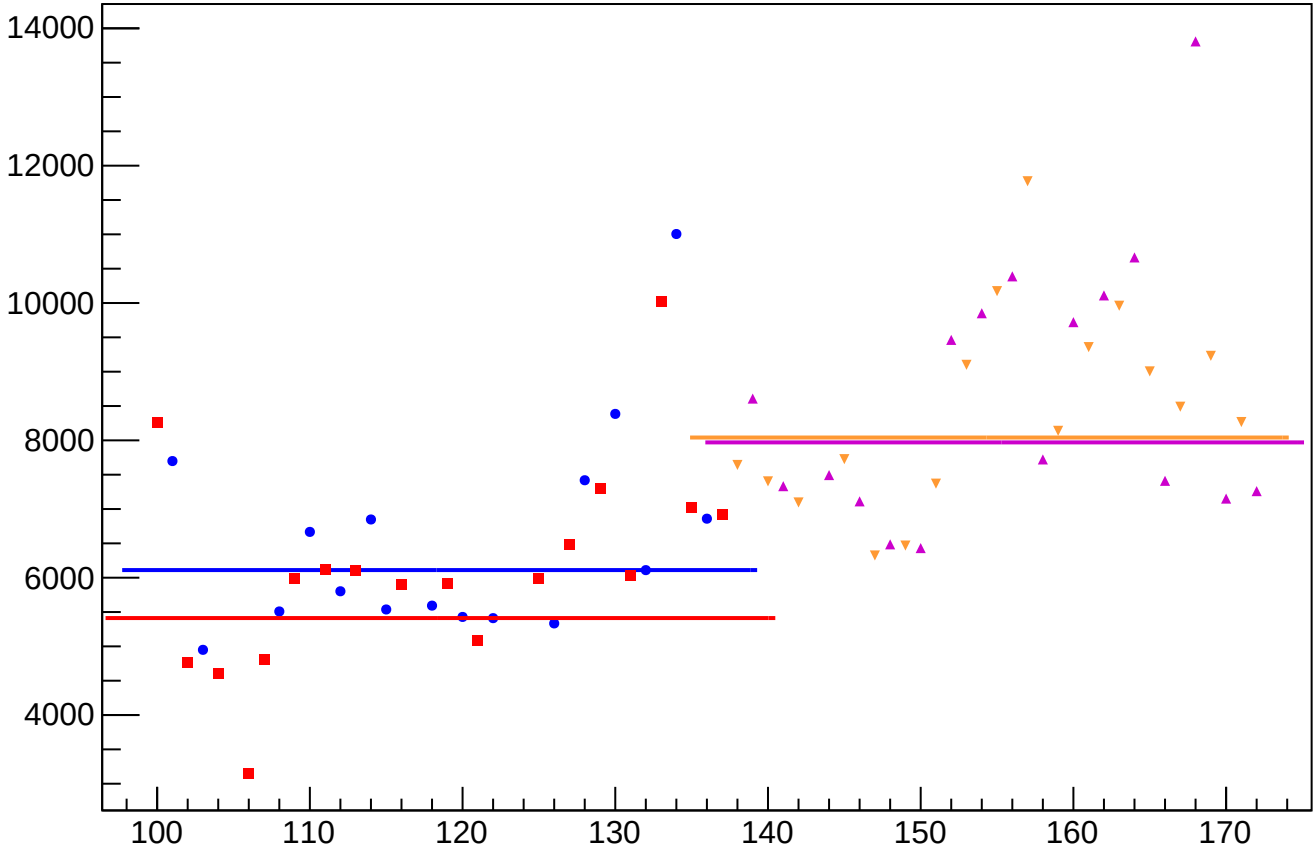
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 352.903+/-1586.188 χ^2/NDF:26.0/32

Out: -684.352+/-1516.025 χ^2/NDF:38.4/34

All: -189.172+/-1095.956 χ^2/NDF: 64.6/67

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 8041.317+/-1.583 χ^2/NDF:665773.5/16

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7970.205+/-1.537 χ^2/NDF:995266.1/16

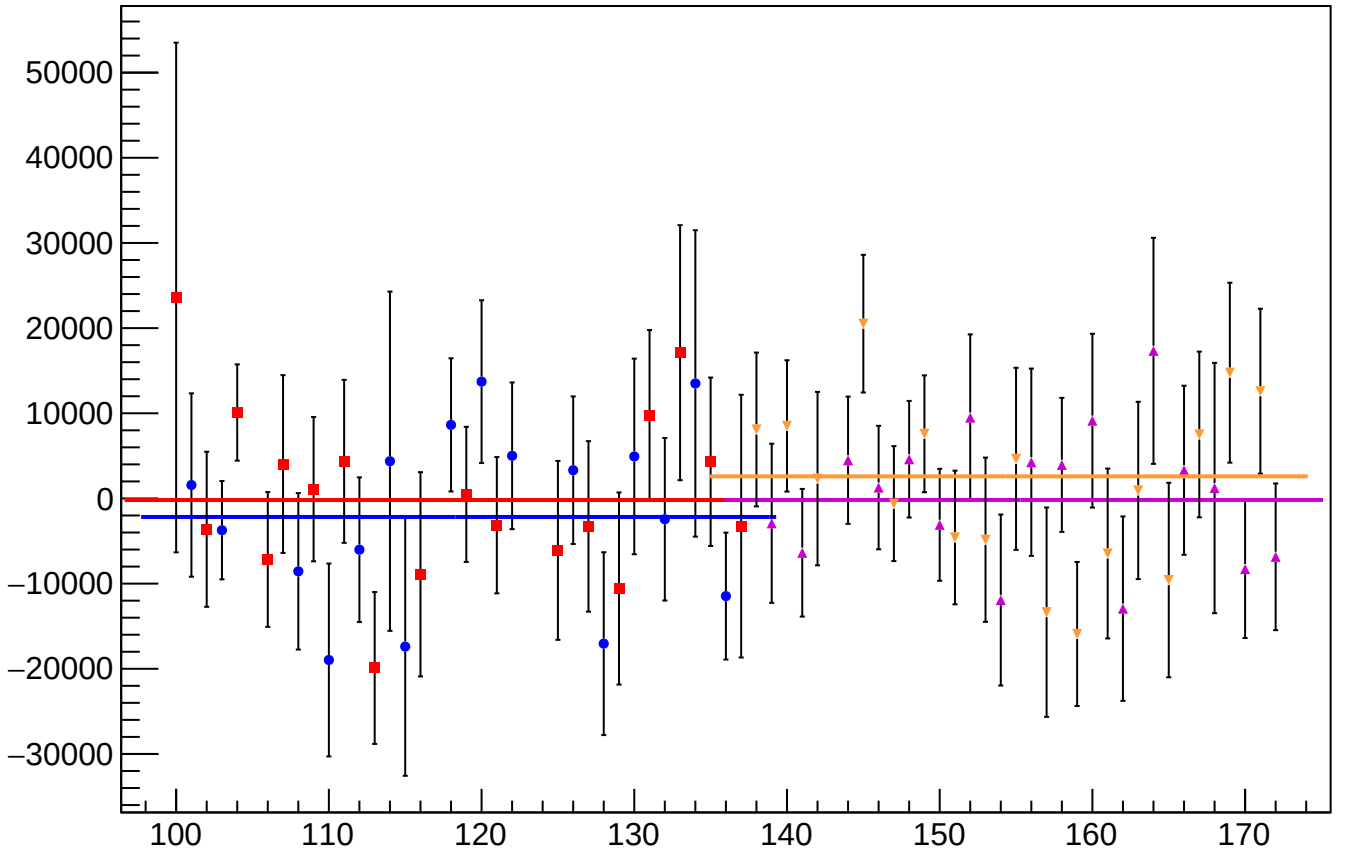
Left: 8004.721+/-1.103 χ^2/NDF: 1662078.7/33

Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 7101.155+/-1.122 χ^2/NDF:2150933.6/32

Out: 6618.616+/-1.072 χ^2/NDF:2980802.3/34

All: 6848.977+/-0.775 χ^2/NDF: 5228465.4/67



Right In: -2174.048+/-2347.664 χ^2/NDF: 14.6/15

Left Out: 2594.414+/-2178.293 χ^2/NDF:19.2/16

Right Out: -183.559+/-2228.883 χ^2/NDF: 14.7/17

Left In: -174.404+/-2118.572 χ^2/NDF:10.4/16

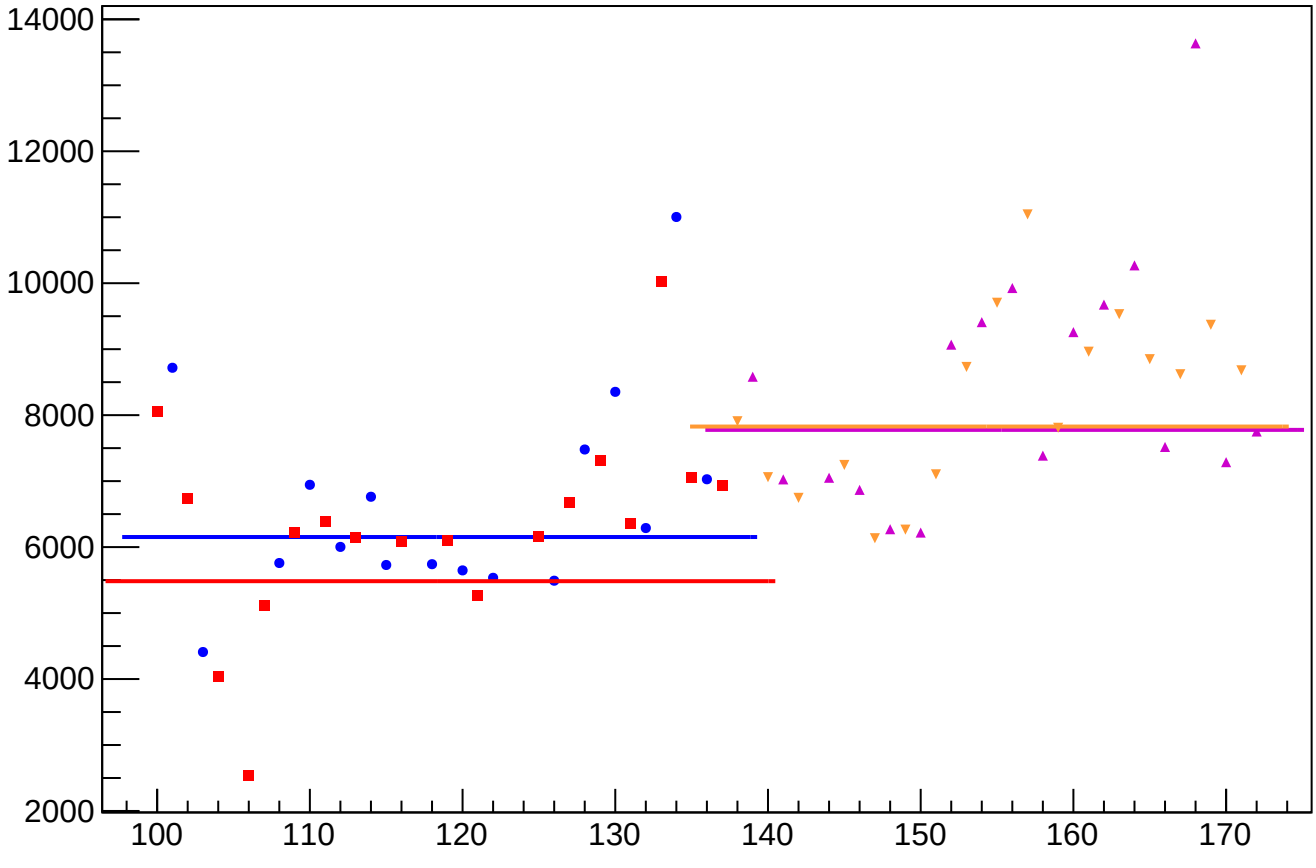
Left: 1171.529+/-1518.731 χ^2/NDF: 30.4/33

Right: -1127.176+/-1616.419 χ^2/NDF: 29.6/33

In: -1071.925+/-1572.830 χ^2/NDF:25.4/32

Out: 1237.311+/-1557.864 χ^2/NDF:34.7/34

All: 93.732+/-1106.830 χ^2/NDF: 61.1/67



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7827.230+/-1.540 χ^2/NDF:682536.6/16

Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7776.746+/-1.498 χ^2/NDF:964306.3/16

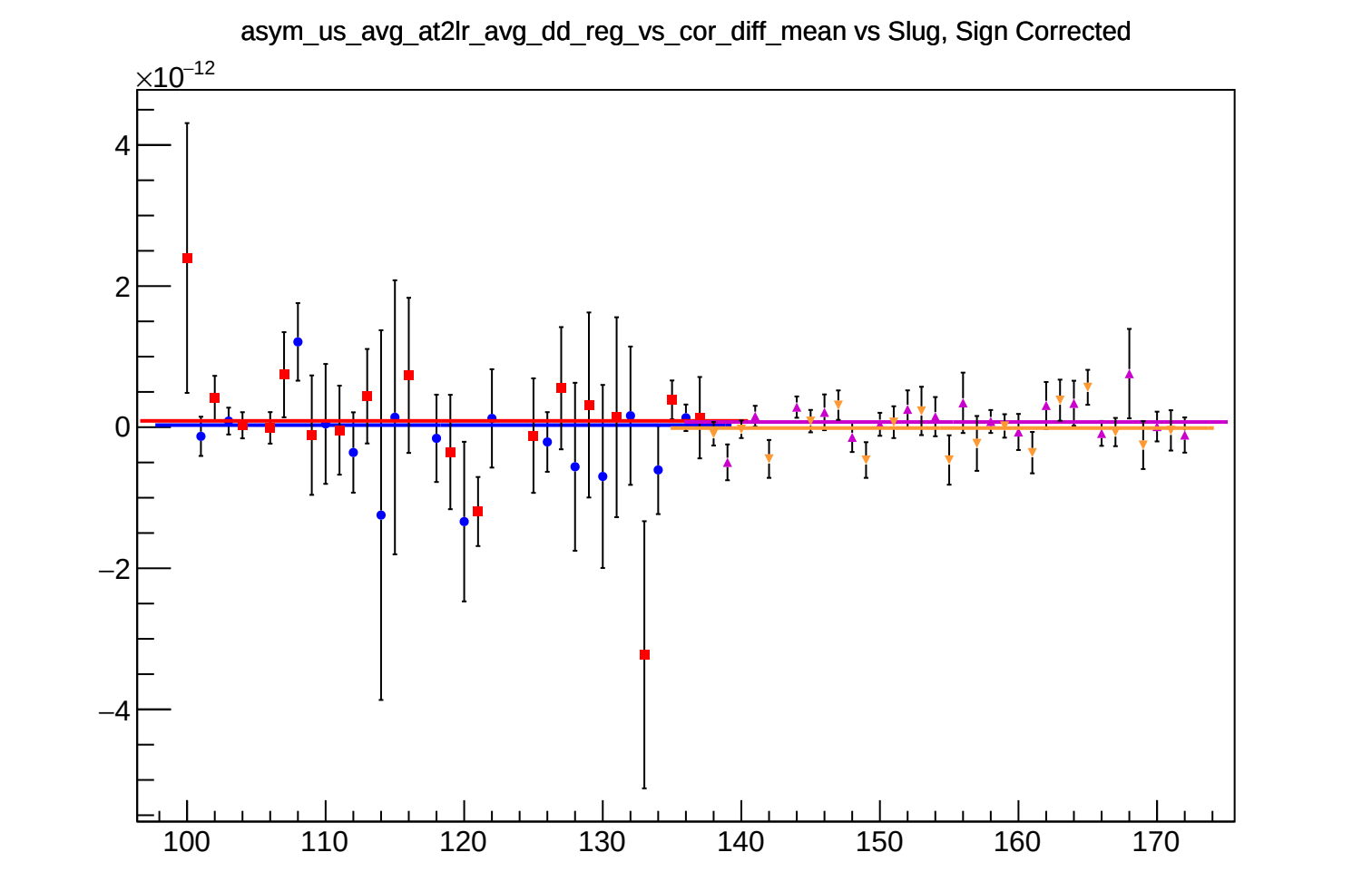
Left: 7801.287+/-1.074 χ^2/NDF: 1647395.0/33

Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 7047.799+/-1.112 χ^2/NDF:2115855.2/32

Out: 6639.330+/-1.082 χ^2/NDF:3004835.1/34

All: 6837.897+/-0.775 χ^2/NDF: 5190008.2/67



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/16

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: 36.0/33

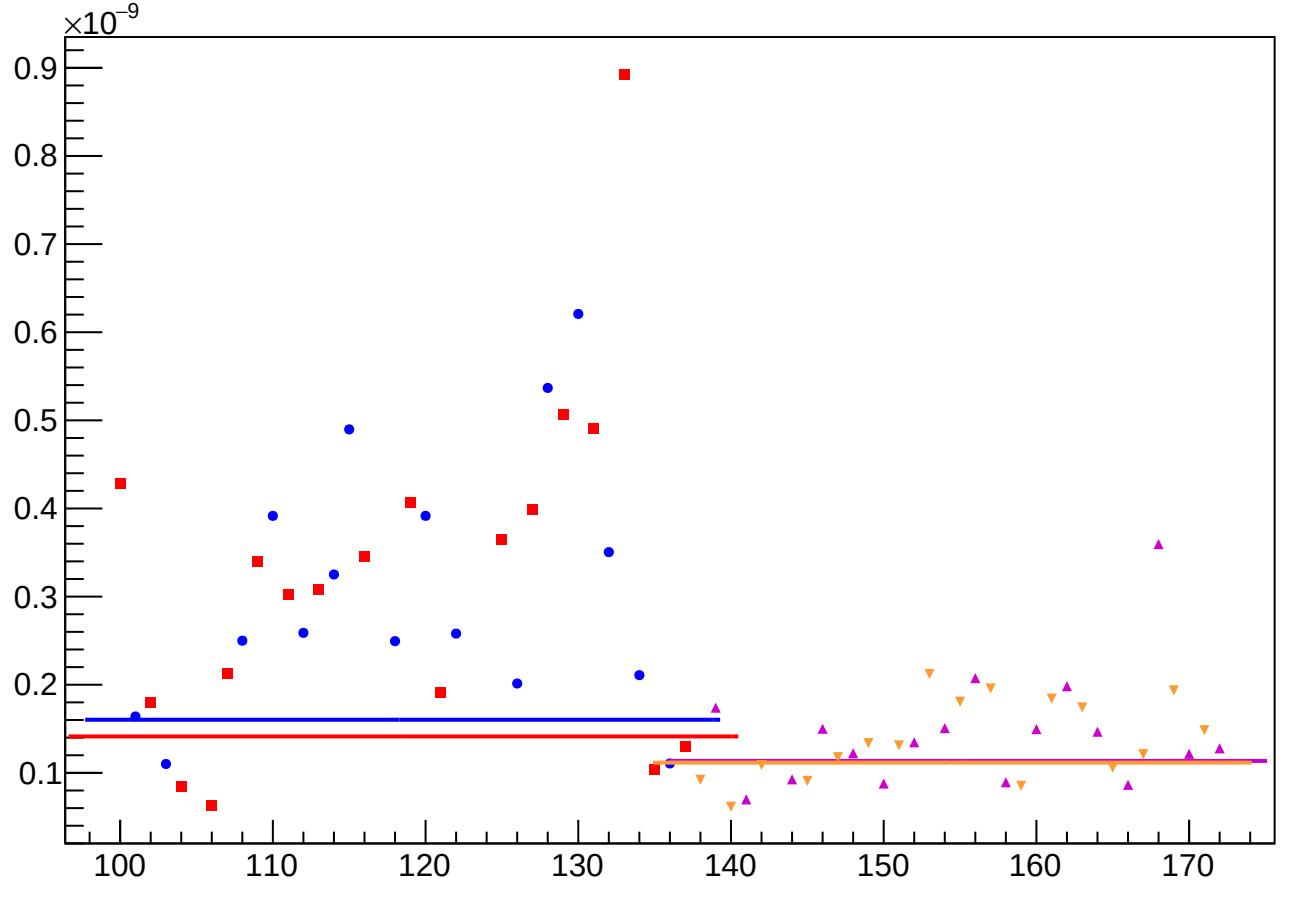
Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

In: 0.000+/-0.000 χ^2/NDF:23.5/32

Out: 0.000+/-0.000 χ^2/NDF:38.1/34

All: 0.000+/-0.000 χ^2/NDF: 62.3/67

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:1179842.9/16

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: 2340556.4/33

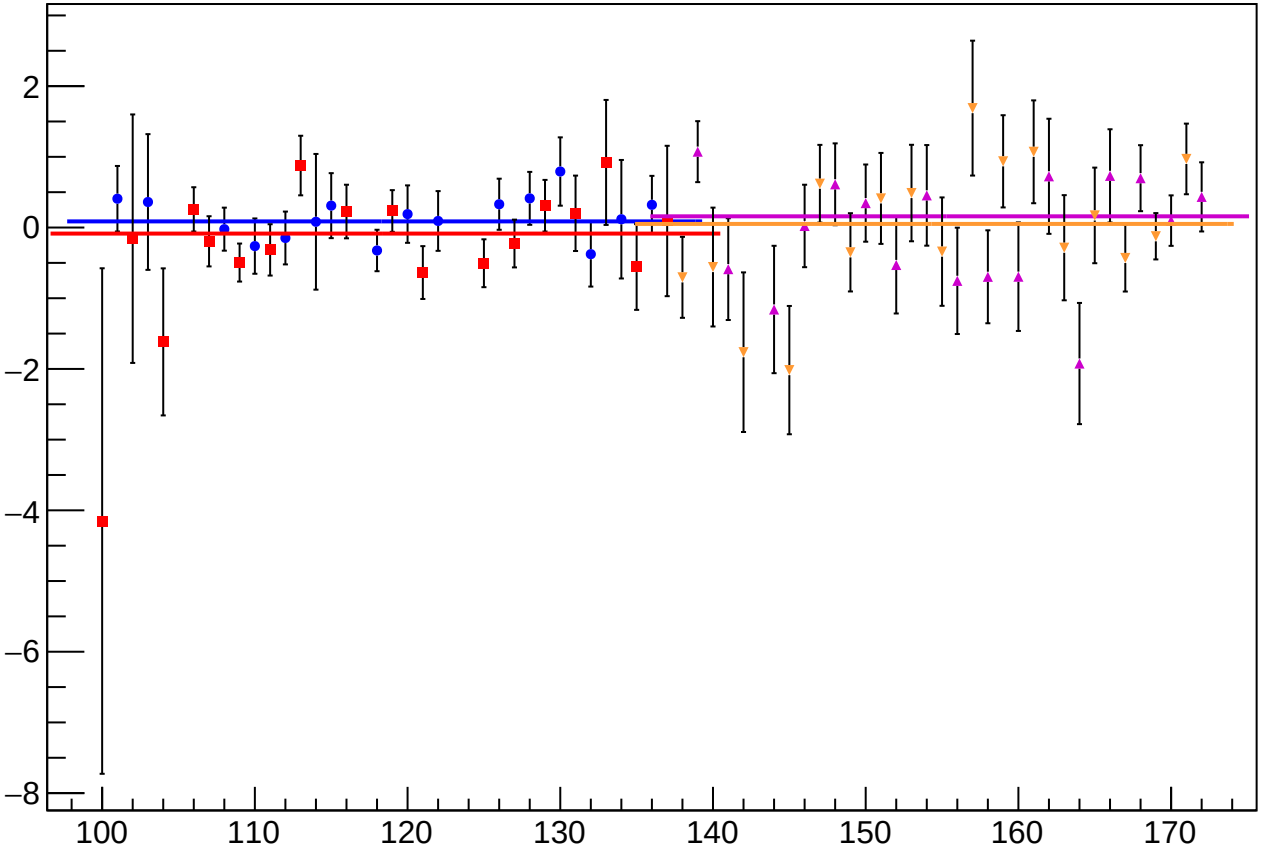
Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2811927.2/32

Out: 0.000+/-0.000 χ^2/NDF:3478356.2/34

All: 0.000+/-0.000 χ^2/NDF: 6302909.8/67

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: 0.051+/-0.147 χ^2/NDF:24.3/16

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.159+/-0.142 χ^2/NDF:22.9/16

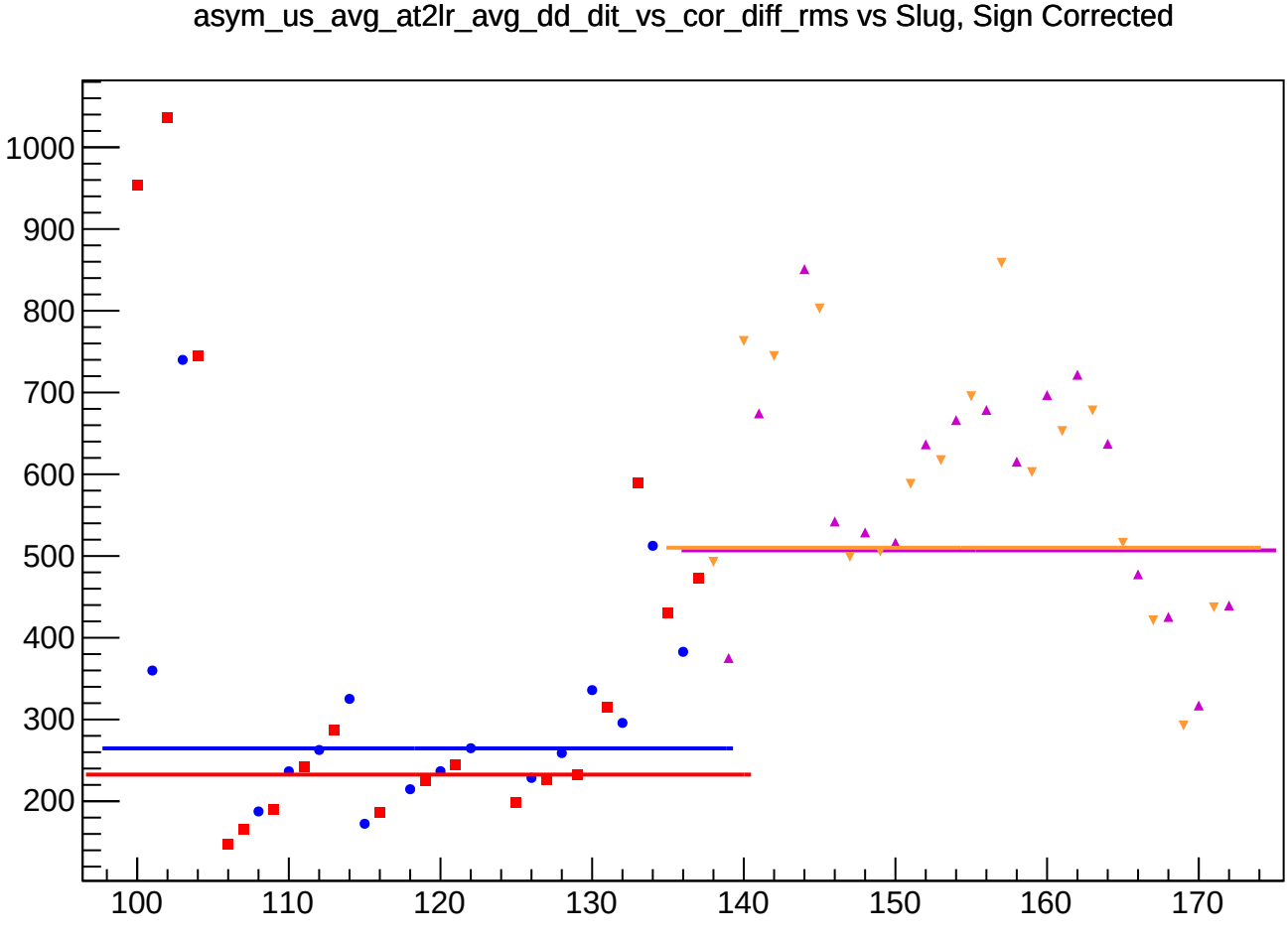
Left: 0.107+/-0.102 χ^2/NDF: 47.5/33

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.112+/-0.085 χ^2/NDF:31.9/32

Out: -0.044+/-0.081 χ^2/NDF:46.8/34

All: 0.031+/-0.059 χ^2/NDF: 80.4/67



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 510.143+/-0.104 χ^2/NDF:2153257.8/16

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 506.888+/-0.101 χ^2/NDF:1903797.5/16

Left: 508.463+/-0.072 χ^2/NDF: 4057562.4/33

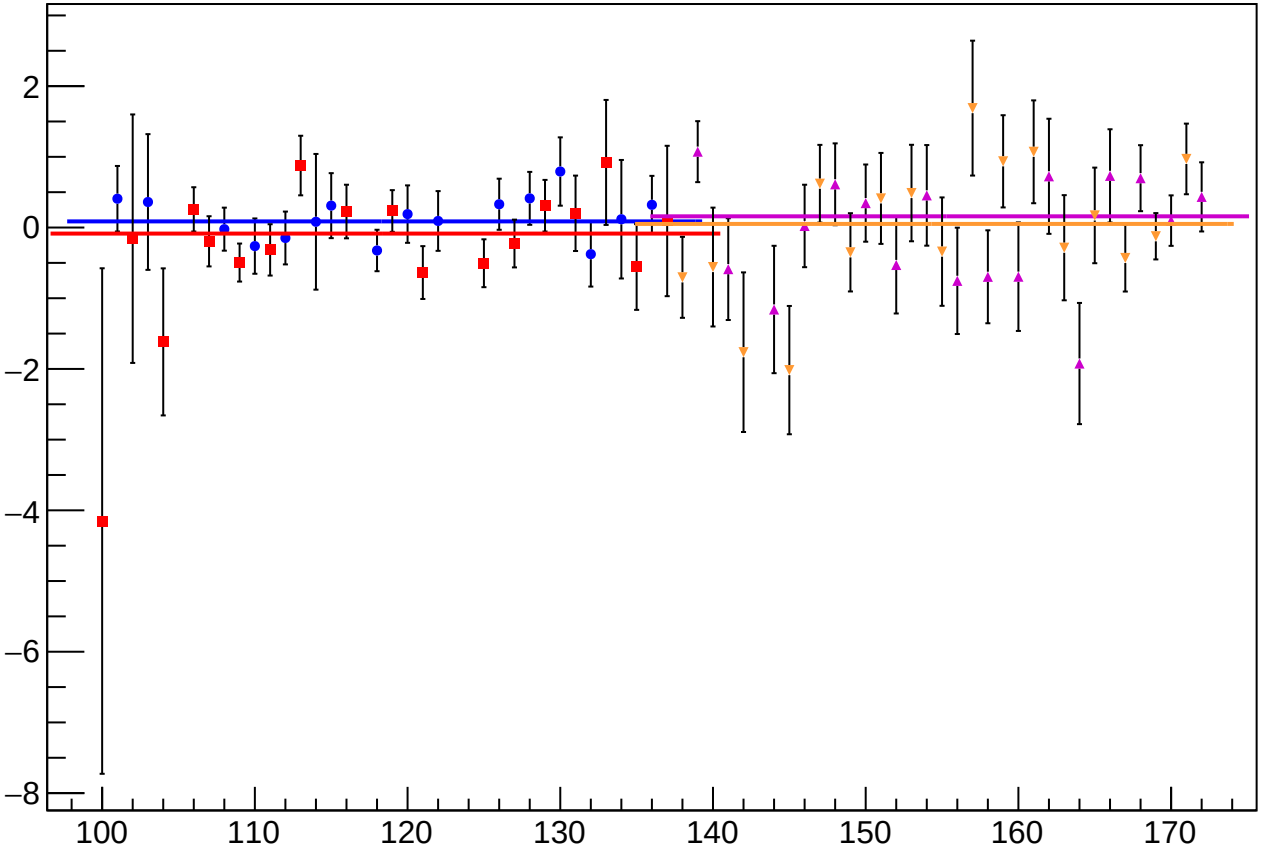
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 350.247+/-0.060 χ^2/NDF:6942656.2/32

Out: 317.355+/-0.057 χ^2/NDF:9151824.2/34

All: 333.131+/-0.041 χ^2/NDF: 16252176.9/67

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: 0.051+/-0.147 χ^2/NDF:24.3/16

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: 0.107+/-0.102 χ^2/NDF: 47.5/33

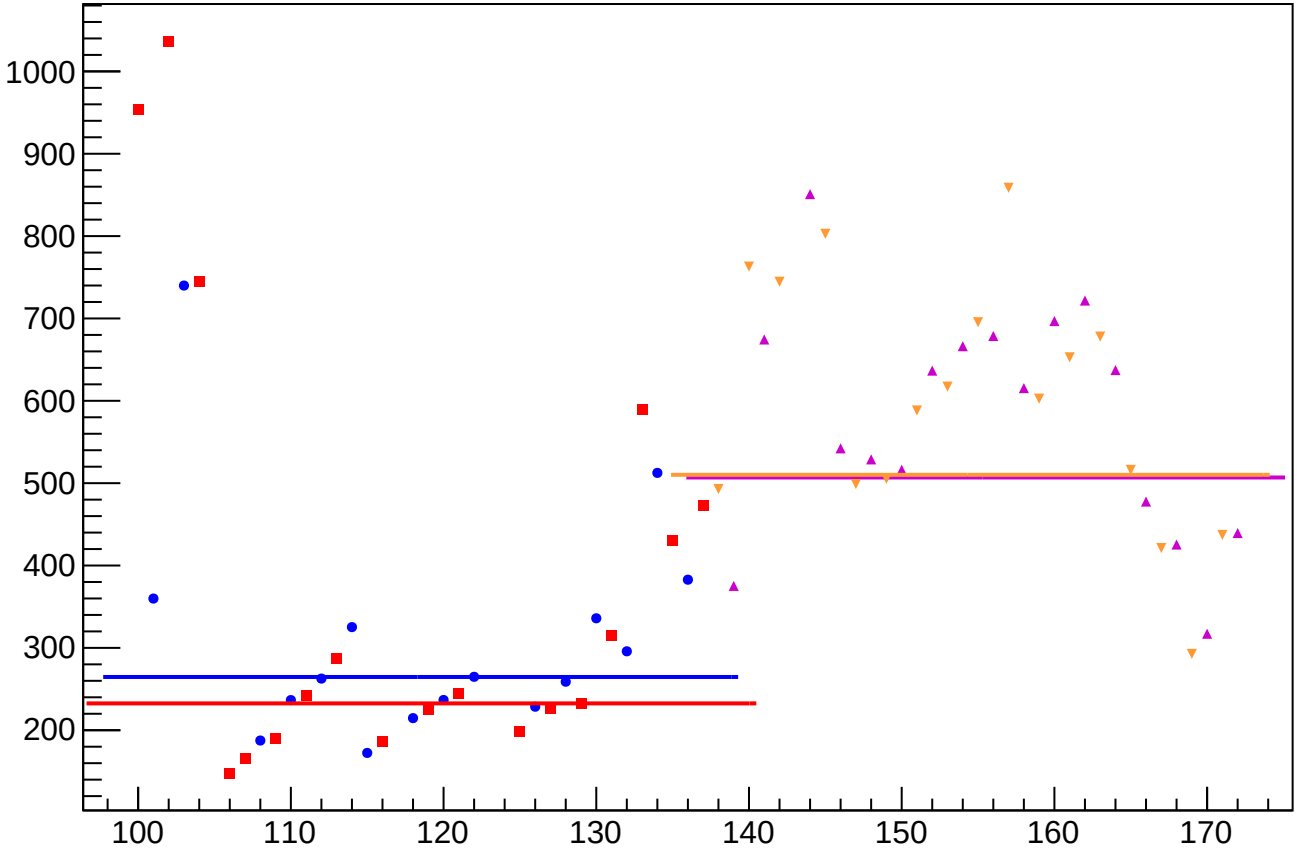
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.112+/-0.085 χ^2/NDF:31.9/32

Out: -0.044+/-0.081 χ^2/NDF:46.8/34

All: 0.031+/-0.059 χ^2/NDF: 80.4/67

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 510.143+/-0.104 χ^2/NDF:2153257.8/16

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 506.888+/-0.101 χ^2/NDF:1903797.5/16

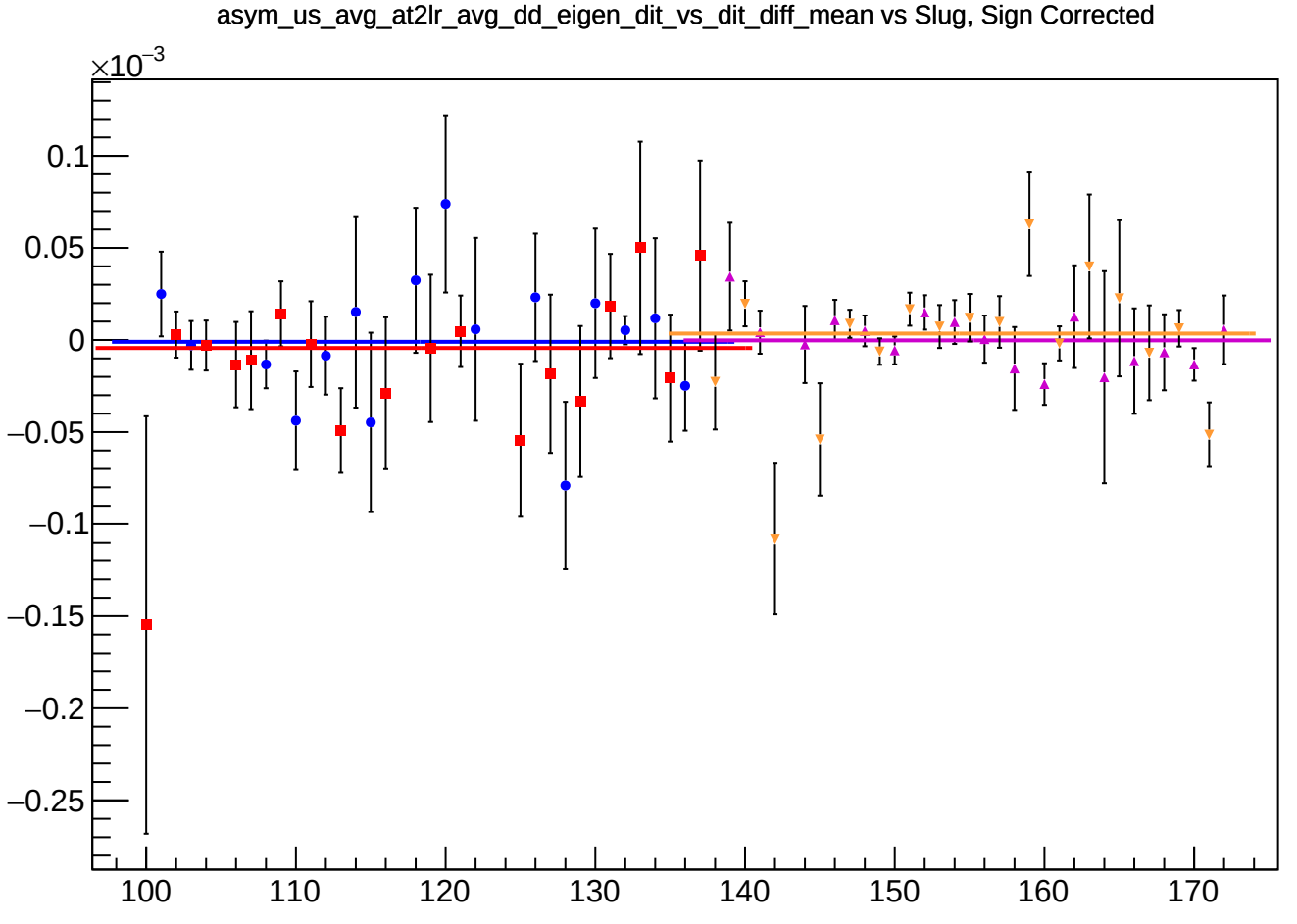
Left: 508.463+/-0.072 χ^2/NDF: 4057562.4/33

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 350.247+/-0.060 χ^2/NDF:6942656.2/32

Out: 317.355+/-0.057 χ^2/NDF:9151824.2/34

All: 333.131+/-0.041 χ^2/NDF: 16252176.9/67



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/16

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

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

Left: 0.000+/-0.000 χ^2/NDF: 50.2/33

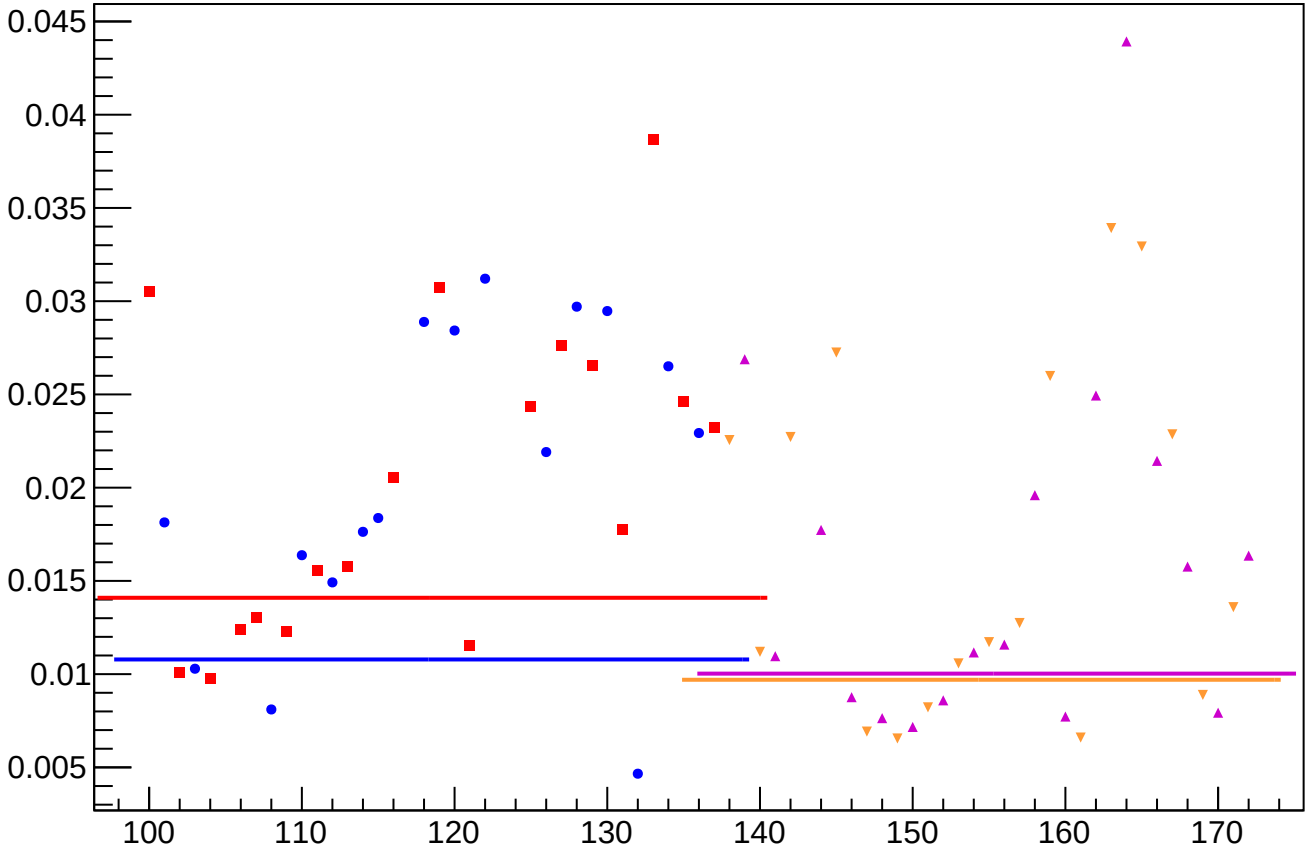
Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: -0.000+/-0.000 χ^2/NDF:28.9/32

Out: 0.000+/-0.000 χ^2/NDF:49.0/34

All: 0.000+/-0.000 χ^2/NDF: 78.3/67

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:5150558.3/16

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: 9206538.4/33

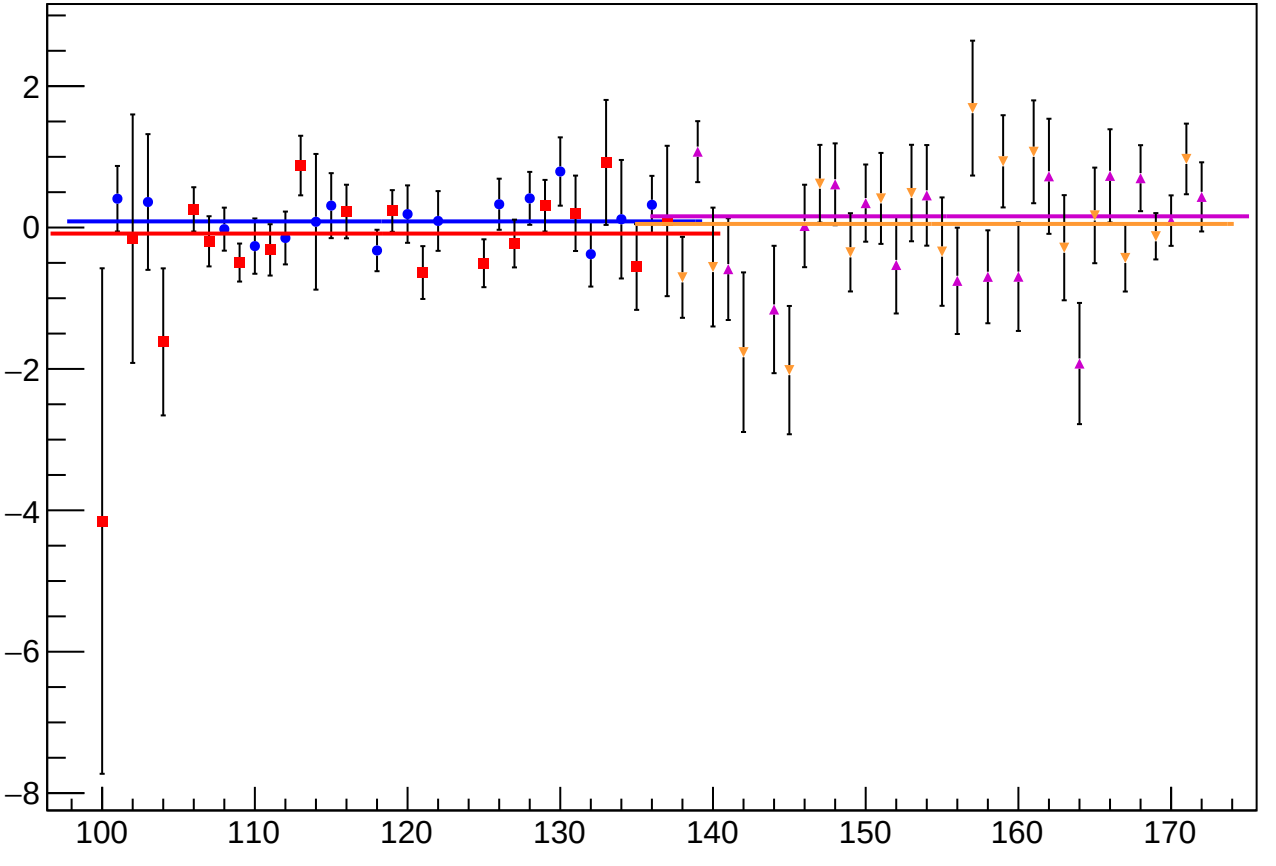
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:8658337.2/32

Out: 0.011+/-0.000 χ^2/NDF:8151295.9/34

All: 0.010+/-0.000 χ^2/NDF: 16836769.6/67

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: 0.051+/-0.147 χ^2/NDF:24.3/16

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: 0.107+/-0.102 χ^2/NDF: 47.5/33

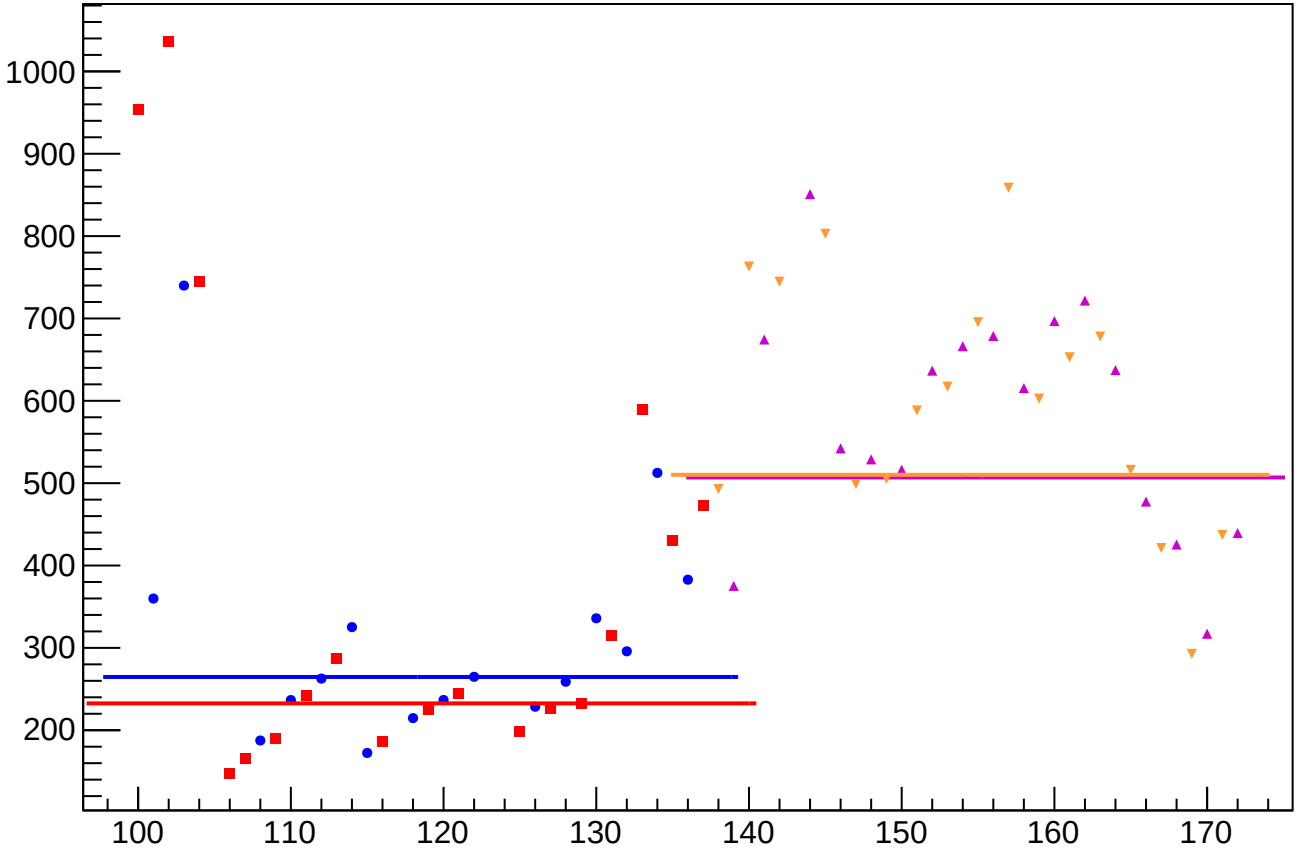
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.112+/-0.085 χ^2/NDF:31.9/32

Out: -0.044+/-0.081 χ^2/NDF:46.8/34

All: 0.031+/-0.059 χ^2/NDF: 80.4/67

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 510.145+/-0.104 χ^2/NDF:2153362.0/16

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 506.893+/-0.101 χ^2/NDF:1903835.6/16

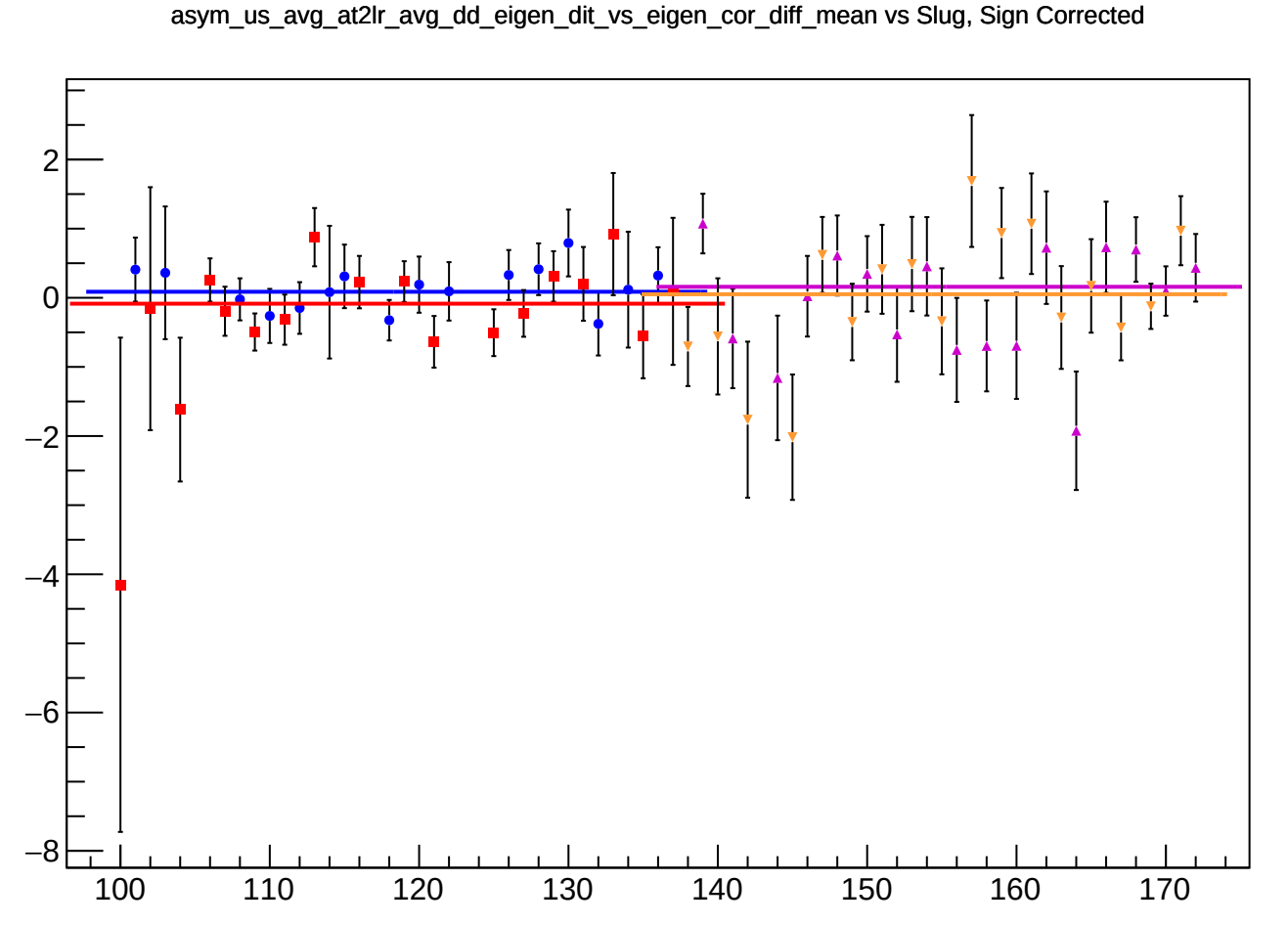
Left: 508.467+/-0.072 χ^2/NDF: 4057704.2/33

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 350.248+/-0.060 χ^2/NDF:6942763.5/32

Out: 317.356+/-0.057 χ^2/NDF:9151933.3/34

All: 333.131+/-0.041 χ^2/NDF: 16252387.6/67



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.051+/-0.147 χ^2/NDF:24.3/16

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: 0.107+/-0.102 χ^2/NDF: 47.5/33

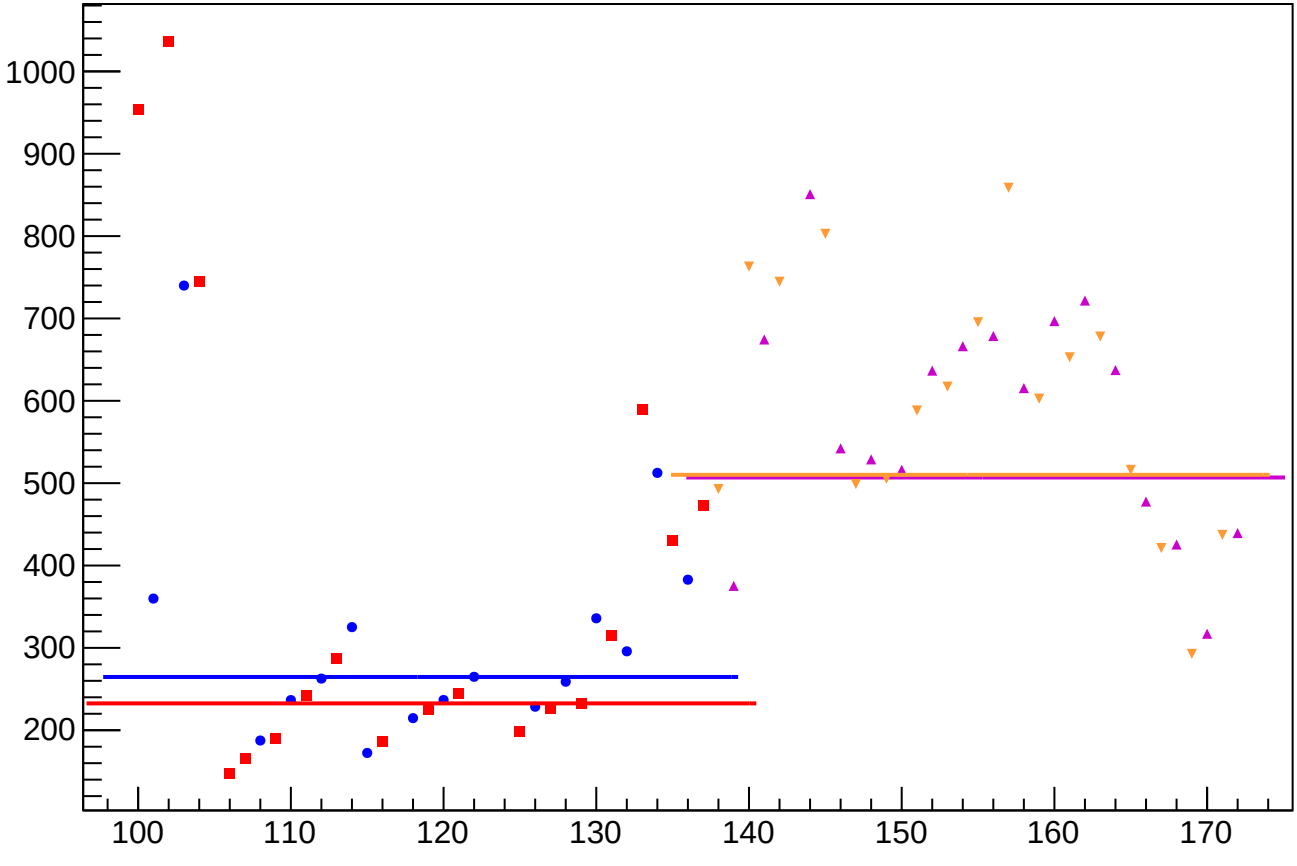
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.112+/-0.085 χ^2/NDF:31.9/32

Out: -0.044+/-0.081 χ^2/NDF:46.8/34

All: 0.031+/-0.059 χ^2/NDF: 80.4/67

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: 510.145+/-0.104 χ^2/NDF:2153362.0/16

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 506.893+/-0.101 χ^2/NDF:1903835.6/16

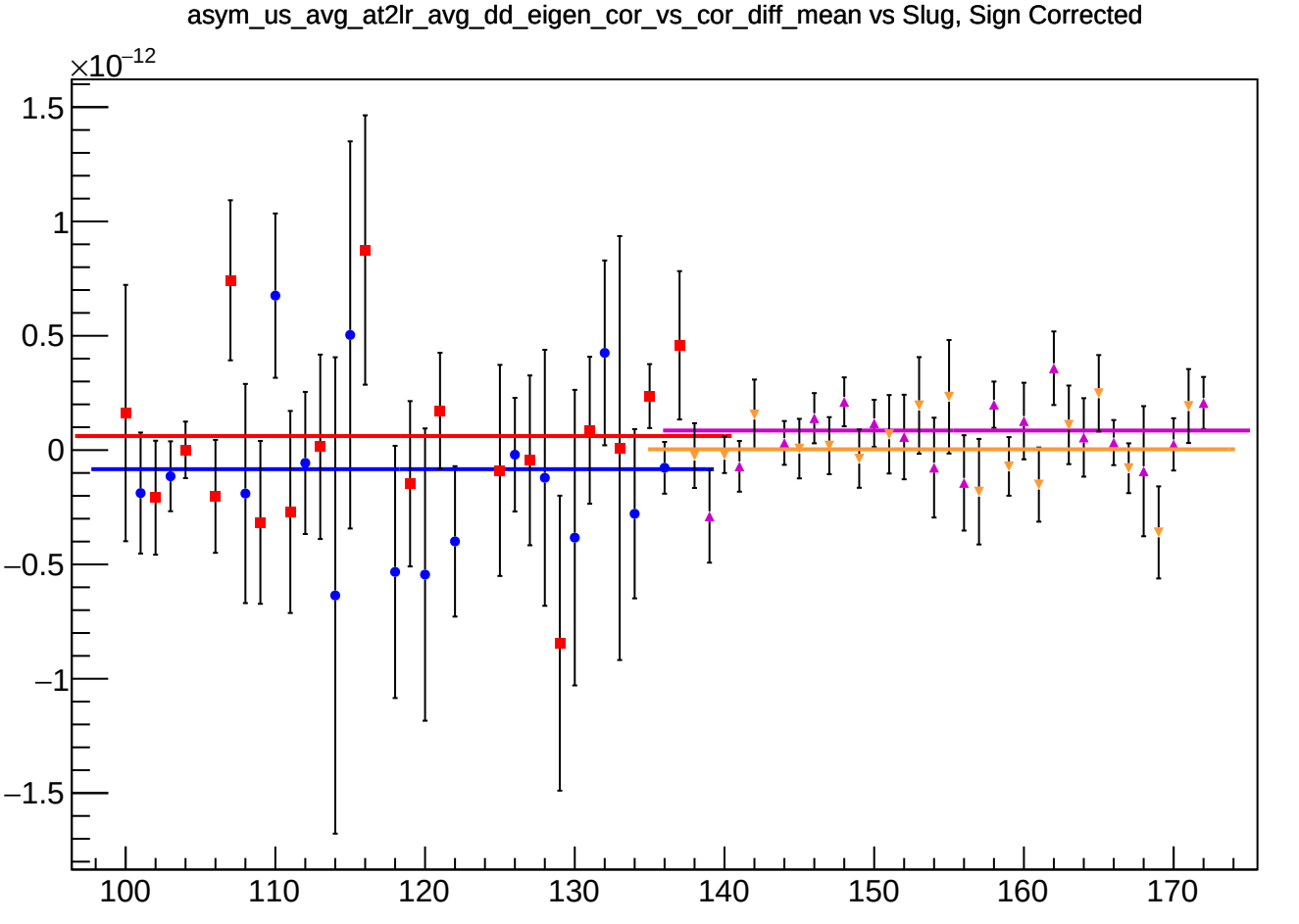
Left: 508.467+/-0.072 χ^2/NDF: 4057704.2/33

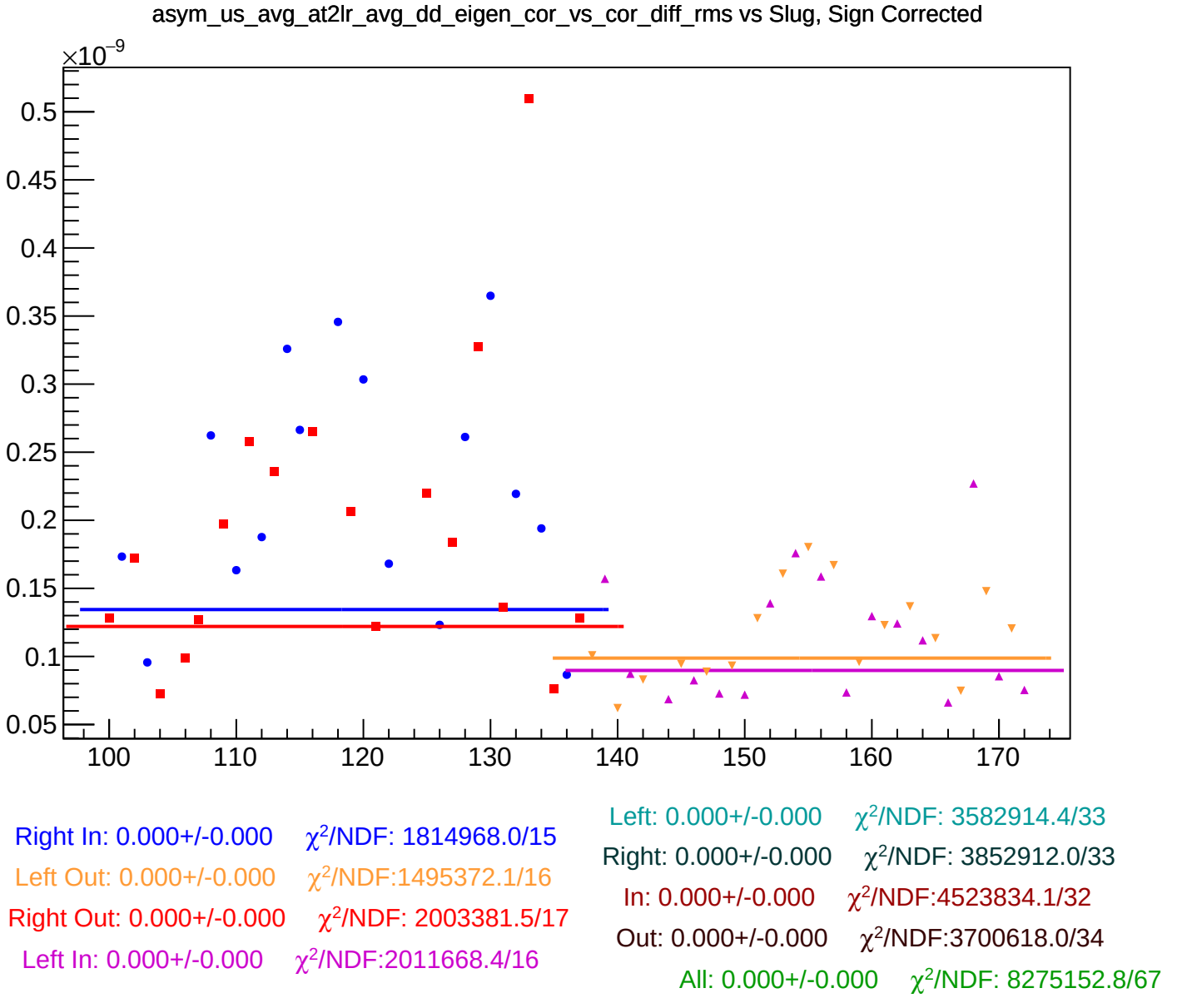
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

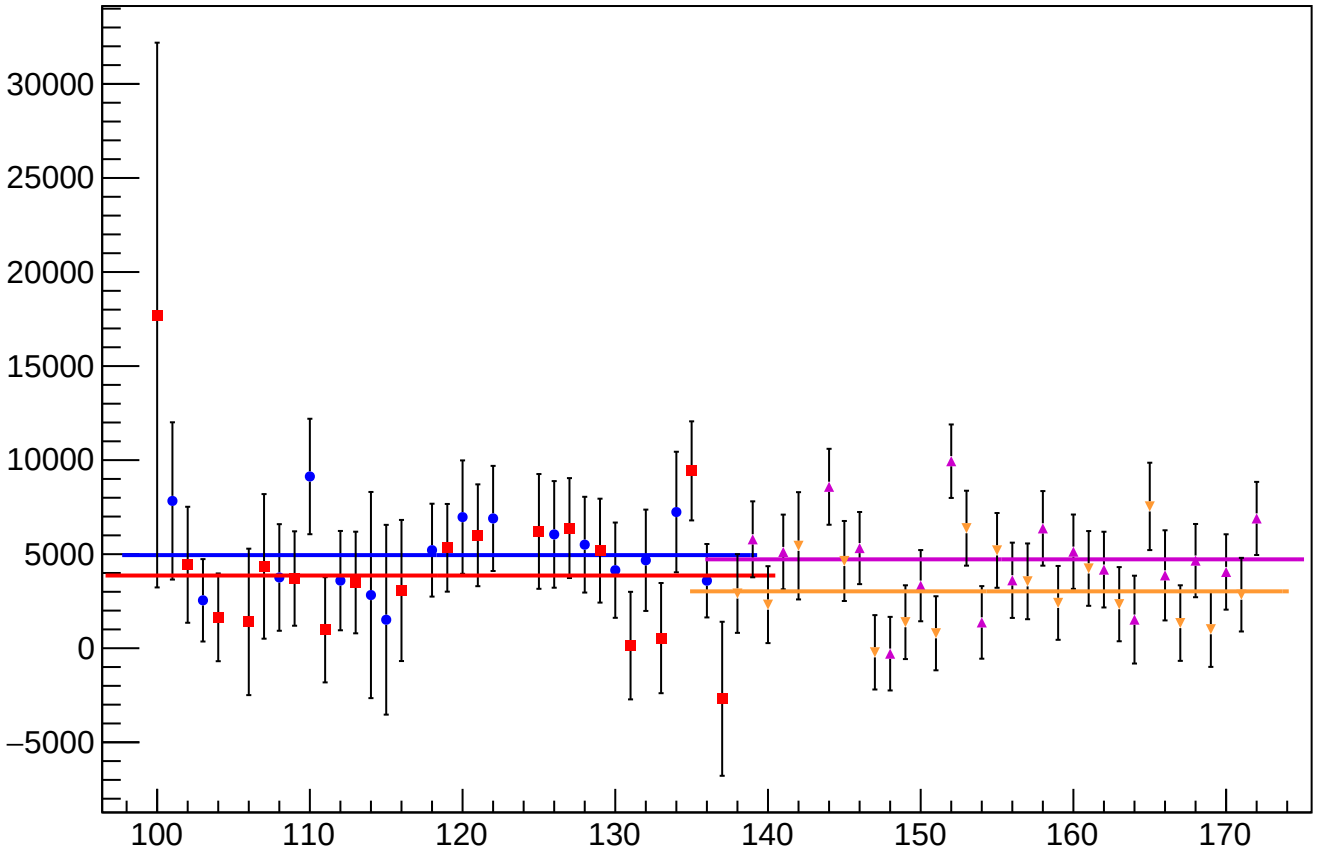
In: 350.248+/-0.060 χ^2/NDF:6942763.5/32

Out: 317.356+/-0.057 χ^2/NDF:9151933.3/34

All: 333.131+/-0.041 χ^2/NDF: 16252387.6/67


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 9.7/15
Left Out: 0.000+/-0.000 χ²/NDF:12.7/16
Right Out: 0.000+/-0.000 χ²/NDF: 15.7/17
Left In: 0.000+/-0.000 χ²/NDF:15.5/16
Left: 0.000+/-0.000 χ²/NDF: 31.3/33
Right: -0.000+/-0.000 χ²/NDF: 27.8/33
In: 0.000+/-0.000 χ²/NDF:30.2/32
Out: 0.000+/-0.000 χ²/NDF:29.0/34
All: 0.000+/-0.000 χ²/NDF: 60.2/67


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:1495372.1/16
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: 3582914.4/33
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:3700618.0/34
All: 0.000+/-0.000 χ²/NDF: 8275152.8/67



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3024.476+/-496.854 χ^2/NDF:16.3/16

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 4725.623+/-486.220 χ^2/NDF:25.8/16

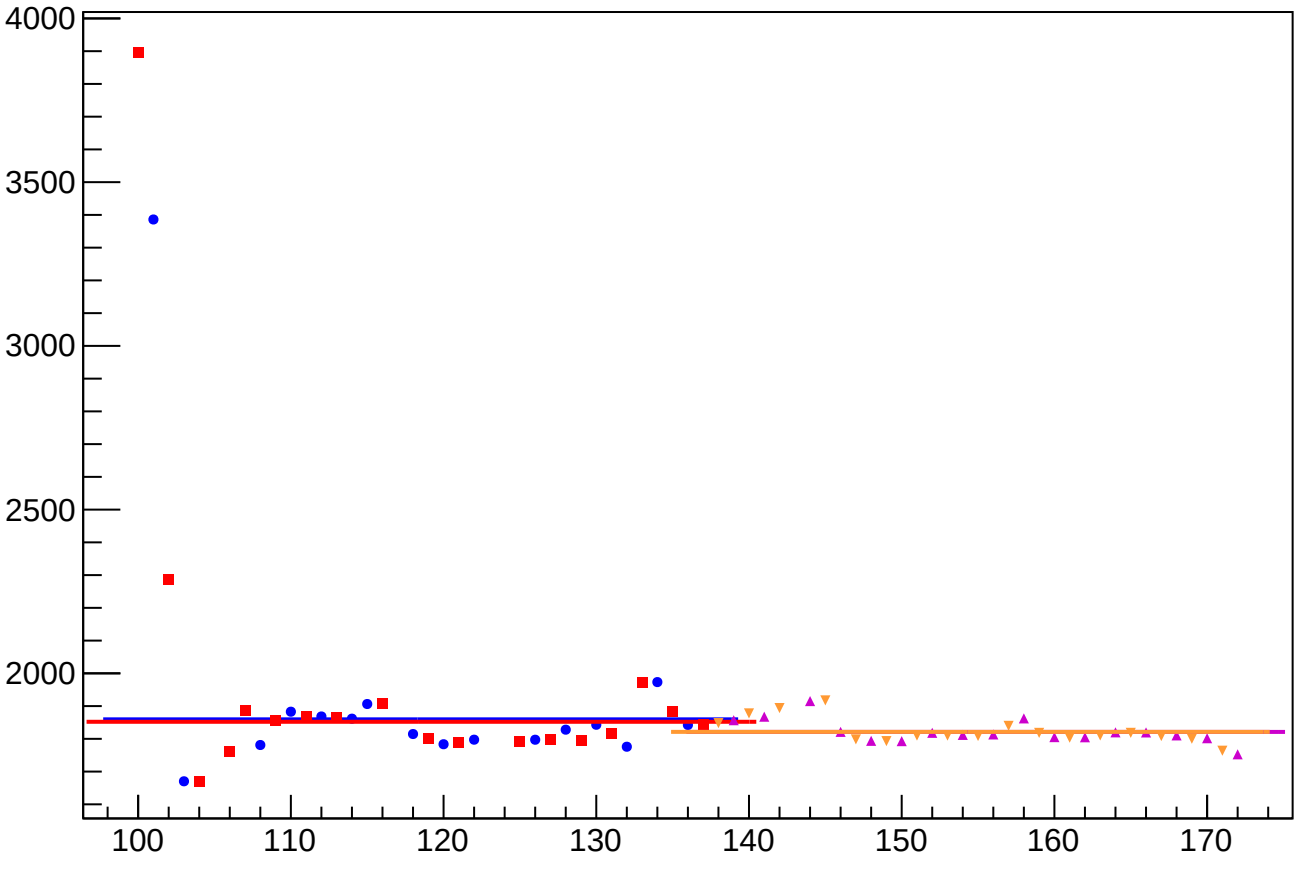
Left: 3893.448+/-347.508 χ^2/NDF: 48.1/33

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4798.901+/-399.140 χ^2/NDF:32.7/32

Out: 3308.385+/-404.343 χ^2/NDF:33.4/34

All: 4063.295+/-284.056 χ^2/NDF: 73.1/67



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1821.267+/-0.351 χ^2/NDF:10559.0/16

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1821.115+/-0.344 χ^2/NDF:10833.8/16

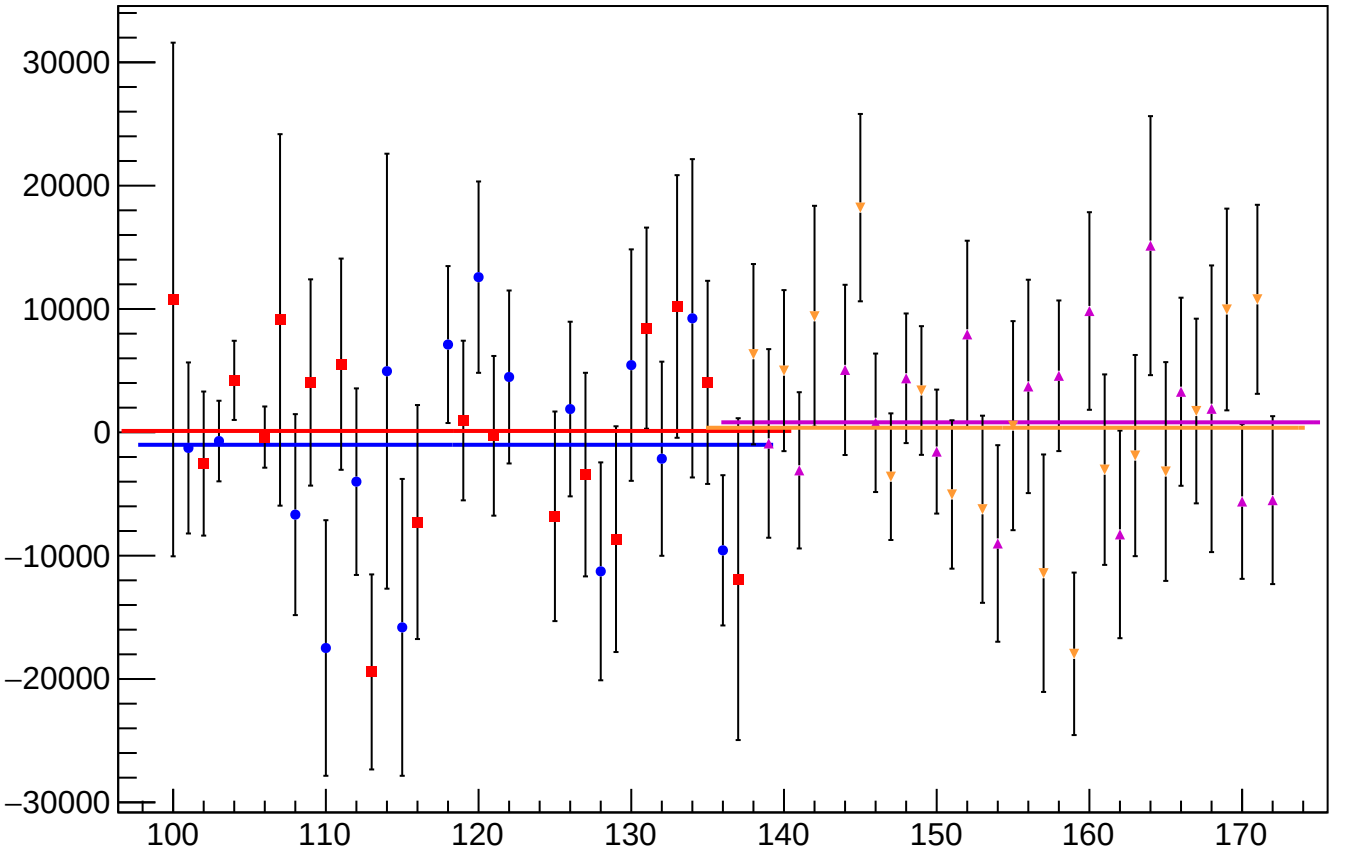
Left: 1821.189+/-0.246 χ^2/NDF: 21392.9/33

Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1833.636+/-0.282 χ^2/NDF:307235.4/32

Out: 1831.710+/-0.286 χ^2/NDF:115377.2/34

All: 1832.685+/-0.201 χ^2/NDF: 422635.6/67



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 370.773+/-1731.058 χ^2/NDF:23.1/16

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 812.098+/-1680.305 χ^2/NDF:10.7/16

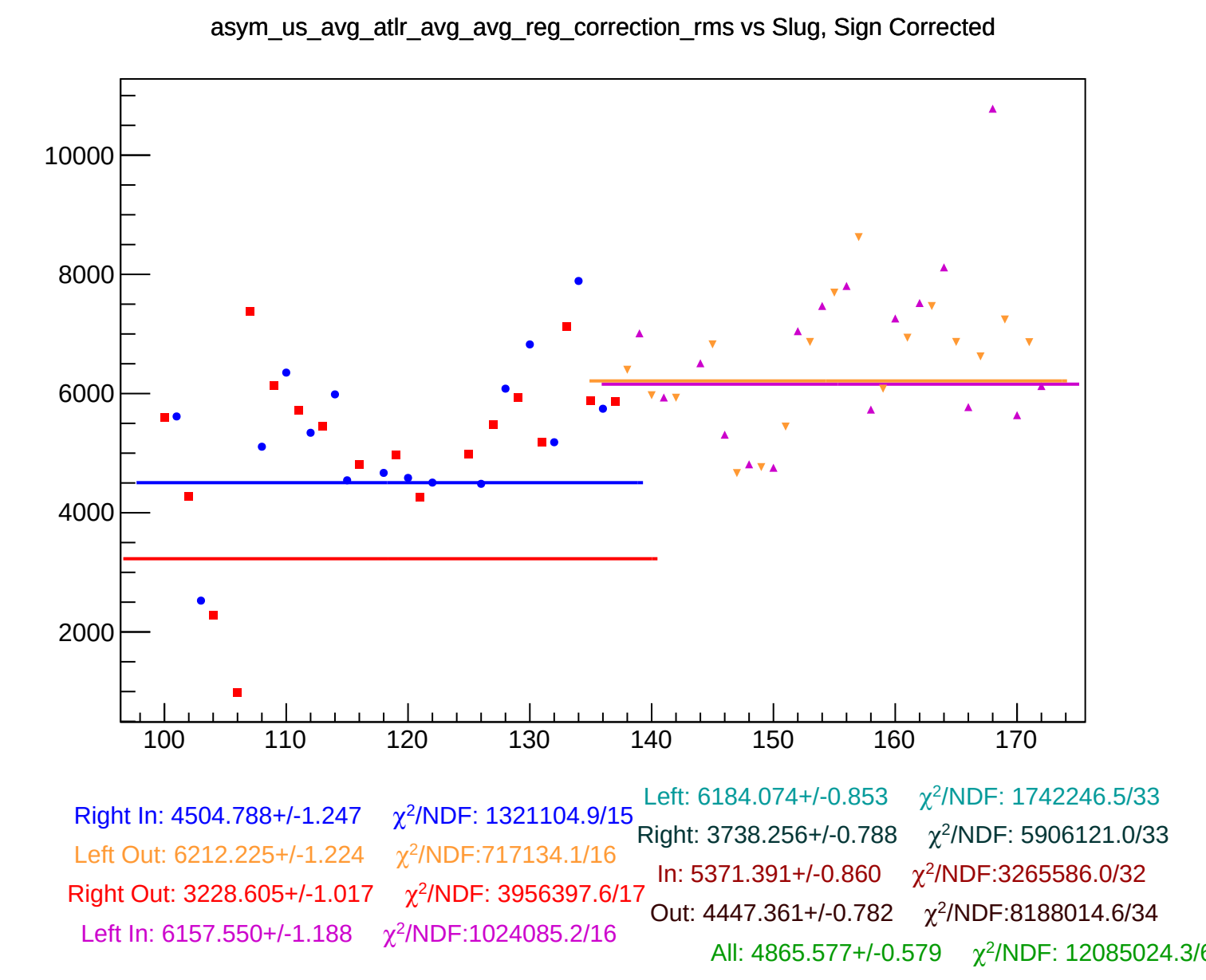
Left: 598.000+/-1205.698 χ^2/NDF: 33.9/33

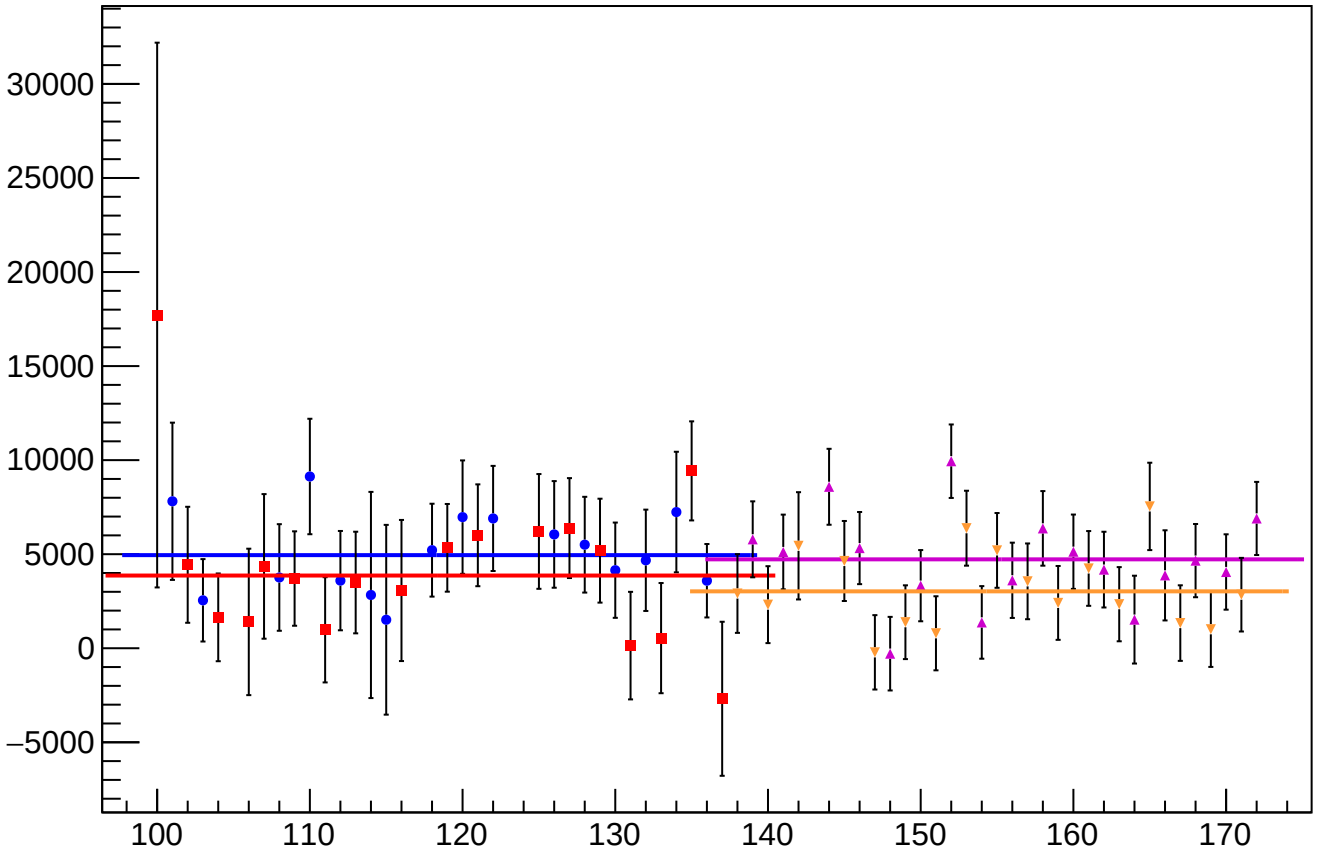
Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: -54.745+/-1216.726 χ^2/NDF:26.0/32

Out: 217.267+/-1106.364 χ^2/NDF:37.8/34

All: 94.154+/-818.560 χ^2/NDF: 63.8/67


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: 6212.225+/-1.224 χ²/NDF:717134.1/16
Right Out: 3228.605+/-1.017 χ²/NDF: 3956397.6/17
Left In: 6157.550+/-1.188 χ²/NDF:1024085.2/16
Left: 6184.074+/-0.853 χ²/NDF: 1742246.5/33
Right: 3738.256+/-0.788 χ²/NDF: 5906121.0/33
In: 5371.391+/-0.860 χ²/NDF:3265586.0/32
Out: 4447.361+/-0.782 χ²/NDF:8188014.6/34
All: 4865.577+/-0.579 χ²/NDF: 12085024.3/6



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3024.372+/-496.854 χ^2/NDF:16.3/16

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4725.677+/-486.220 χ^2/NDF:25.8/16

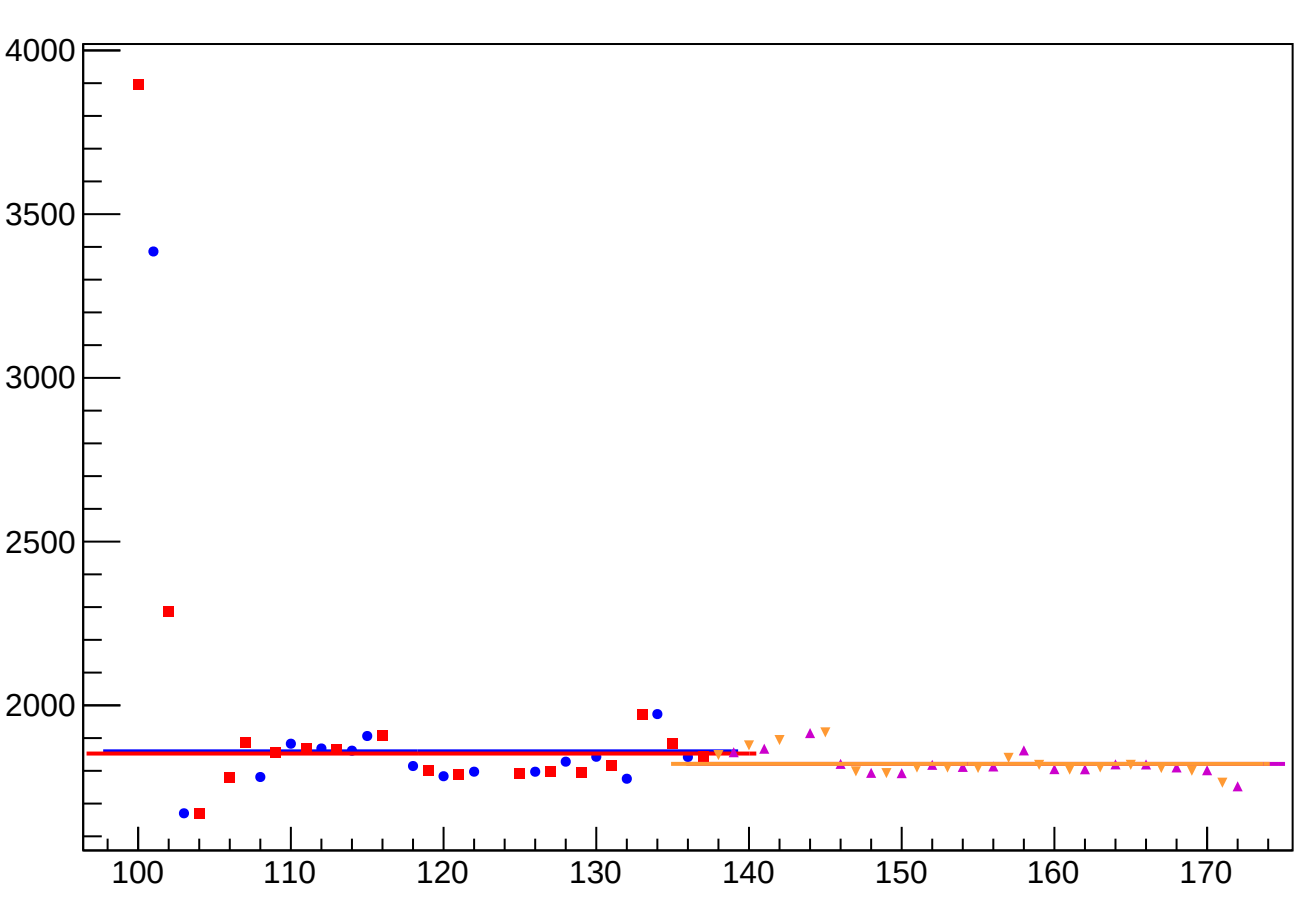
Left: 3893.425+/-347.508 χ^2/NDF: 48.1/33

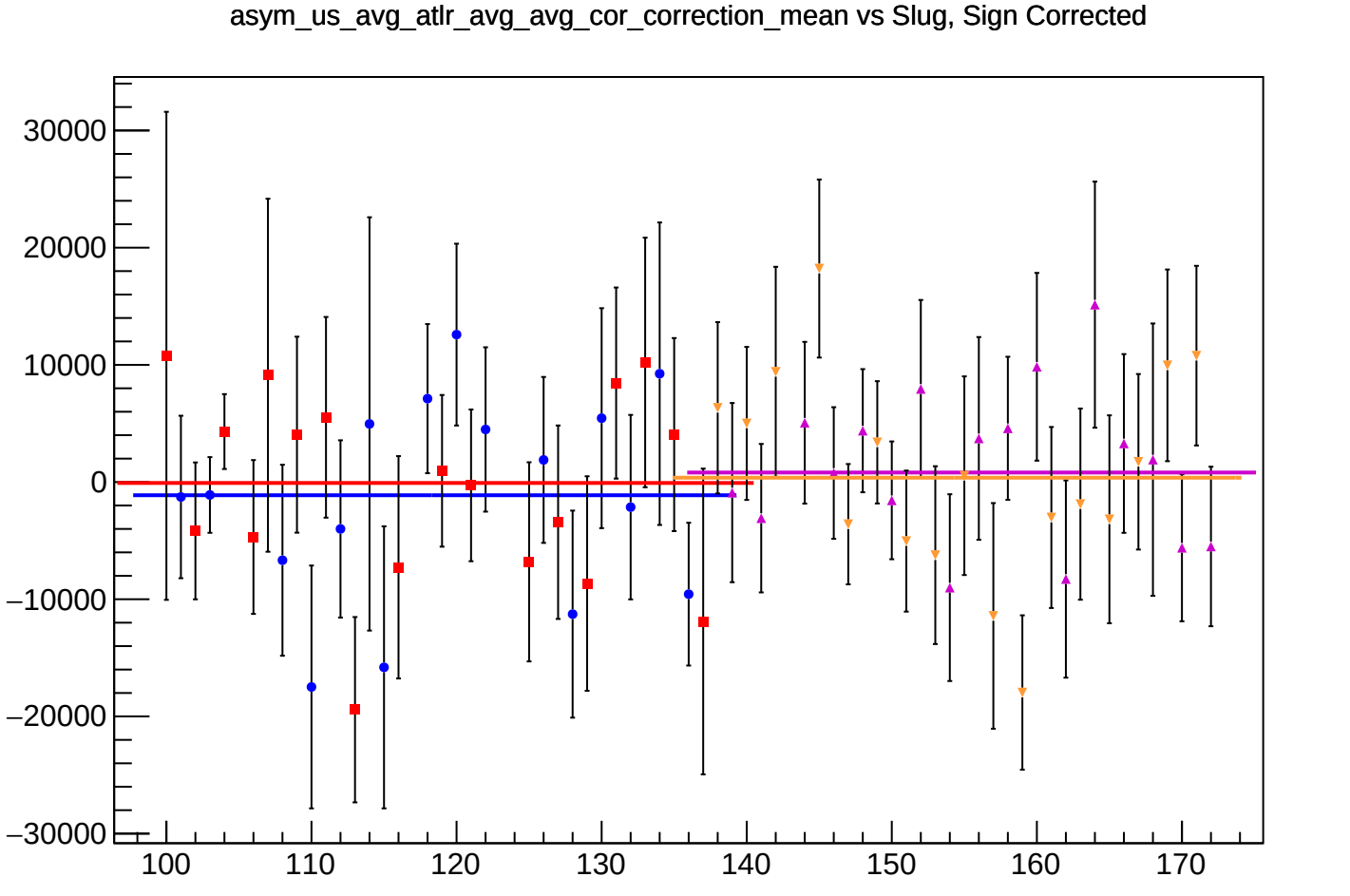
Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4798.780+/-399.140 χ^2/NDF:32.7/32

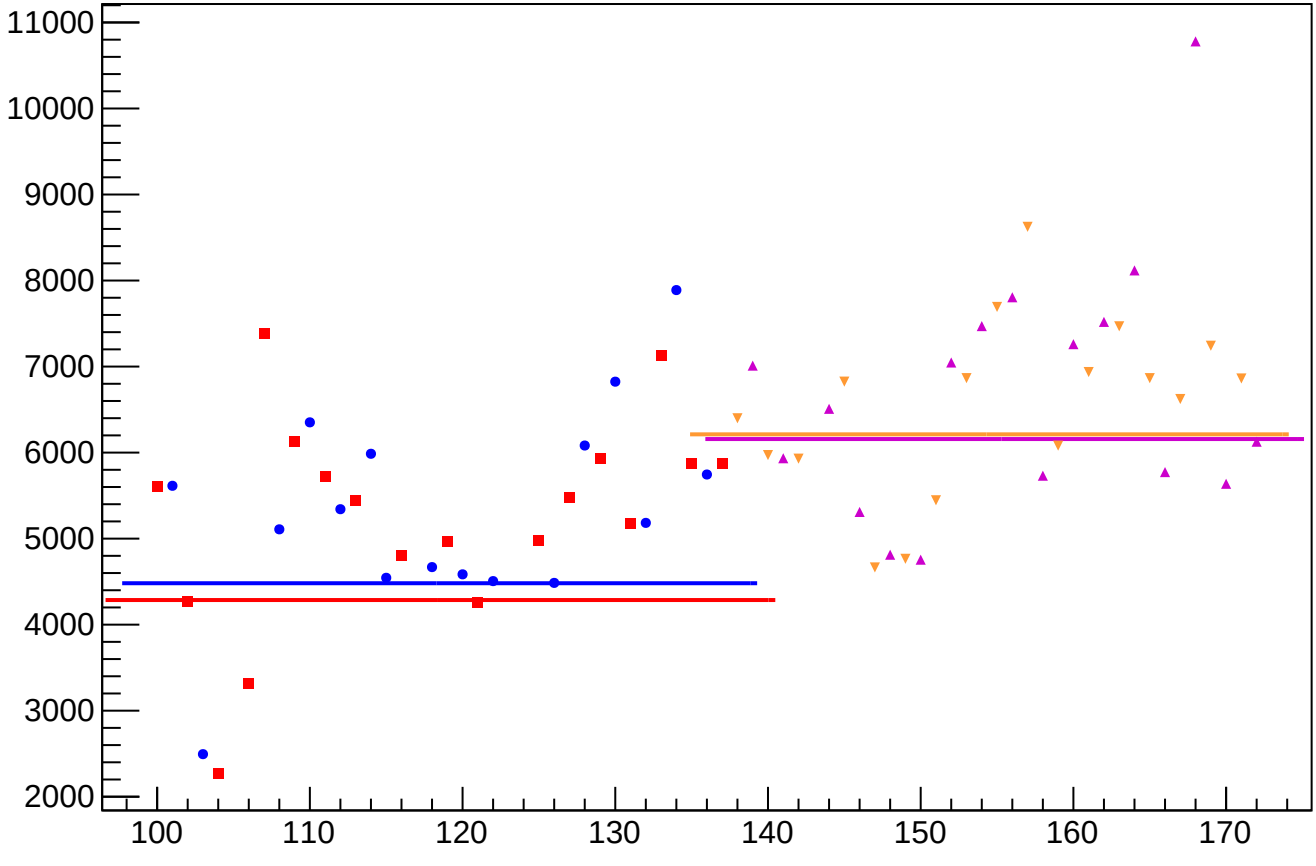
Out: 3308.244+/-404.343 χ^2/NDF:33.4/34

All: 4063.164+/-284.056 χ^2/NDF: 73.0/67


cor_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: 1859.509+/-0.494 χ²/NDF: 292336.5/15
Left Out: 1821.267+/-0.351 χ²/NDF:10559.0/16
Right Out: 1852.770+/-0.491 χ²/NDF: 101750.5/17
Left In: 1821.115+/-0.344 χ²/NDF:10833.8/16
Left: 1821.189+/-0.246 χ²/NDF: 21392.9/33
Right: 1856.115+/-0.348 χ²/NDF: 394180.6/33
In: 1833.636+/-0.282 χ²/NDF:307237.2/32
Out: 1831.945+/-0.286 χ²/NDF:115034.8/34
All: 1832.801+/-0.201 χ²/NDF: 422289.8/67


asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -1125.567+/-1757.876 χ²/NDF: 14.7/15
Left Out: 370.709+/-1731.056 χ²/NDF:23.1/16
Right Out: -78.270+/-1702.444 χ²/NDF: 15.5/17
Left In: 812.202+/-1680.304 χ²/NDF:10.7/16
Left: 598.022+/-1205.698 χ²/NDF: 33.9/33
Right: -585.146+/-1222.937 χ²/NDF: 30.5/33
In: -112.985+/-1214.652 χ²/NDF:26.1/32
Out: 142.478+/-1213.799 χ²/NDF:38.7/34
All: 14.836+/-858.587 χ²/NDF: 64.8/67

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: 6212.218+/-1.224 χ^2/NDF:717140.5/16

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6157.549+/-1.188 χ^2/NDF:1024093.8/16

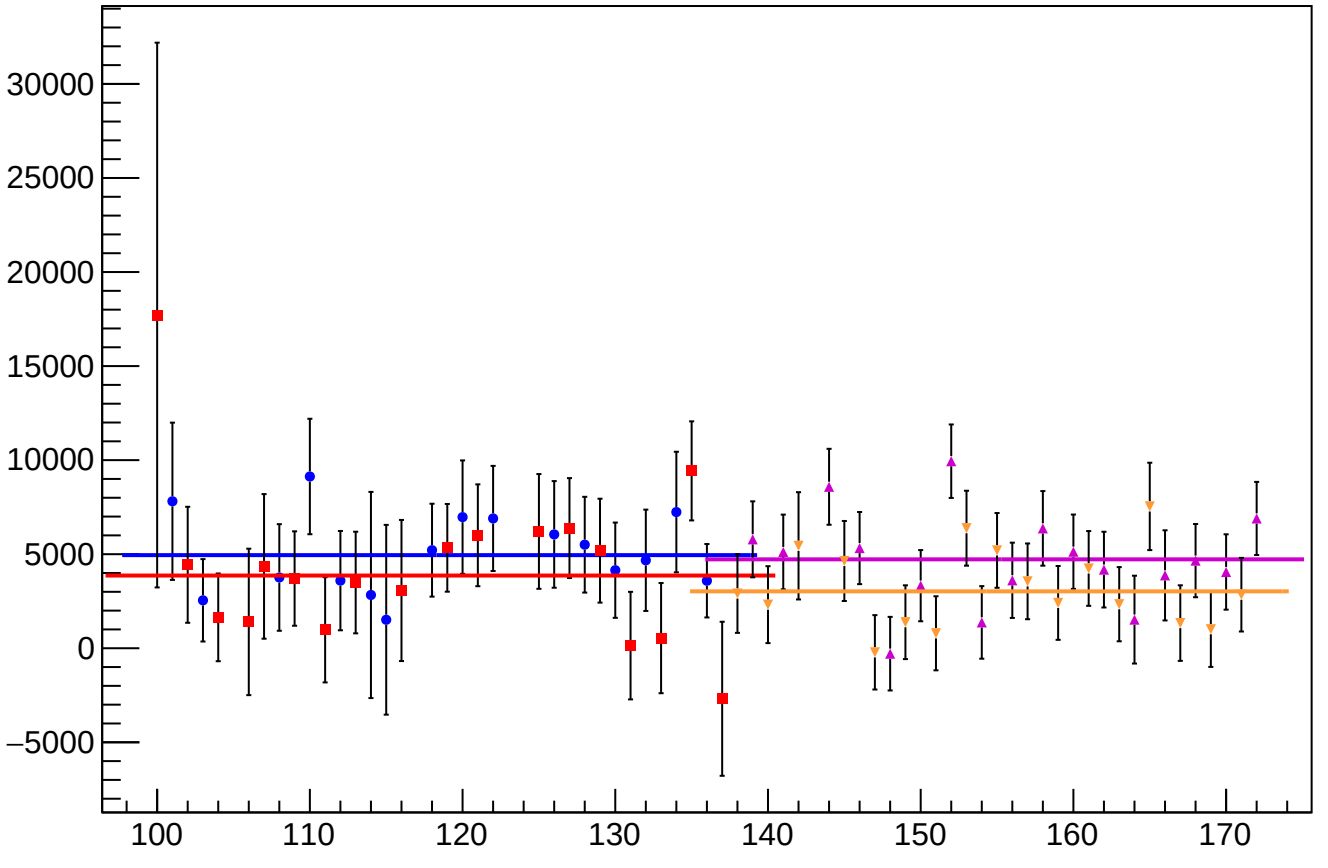
Left: 6184.070+/-0.853 χ^2/NDF: 1742261.3/33

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5357.329+/-0.859 χ^2/NDF:3336397.0/32

Out: 5233.122+/-0.858 χ^2/NDF:3525658.4/34

All: 5295.182+/-0.607 χ^2/NDF: 6872519.2/67



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3024.372+/-496.854 χ^2/NDF:16.3/16

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4725.677+/-486.220 χ^2/NDF:25.8/16

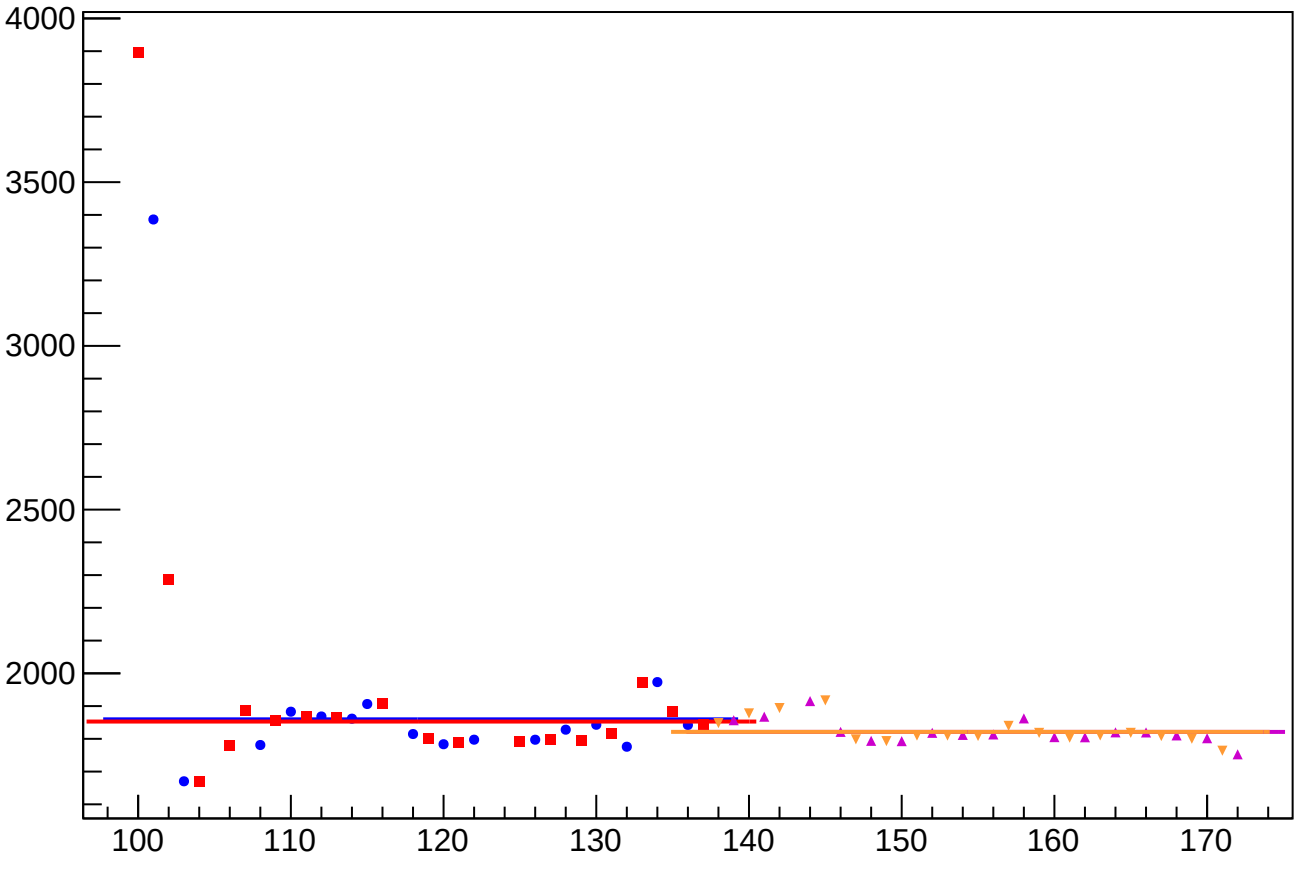
Left: 3893.425+/-347.508 χ^2/NDF: 48.1/33

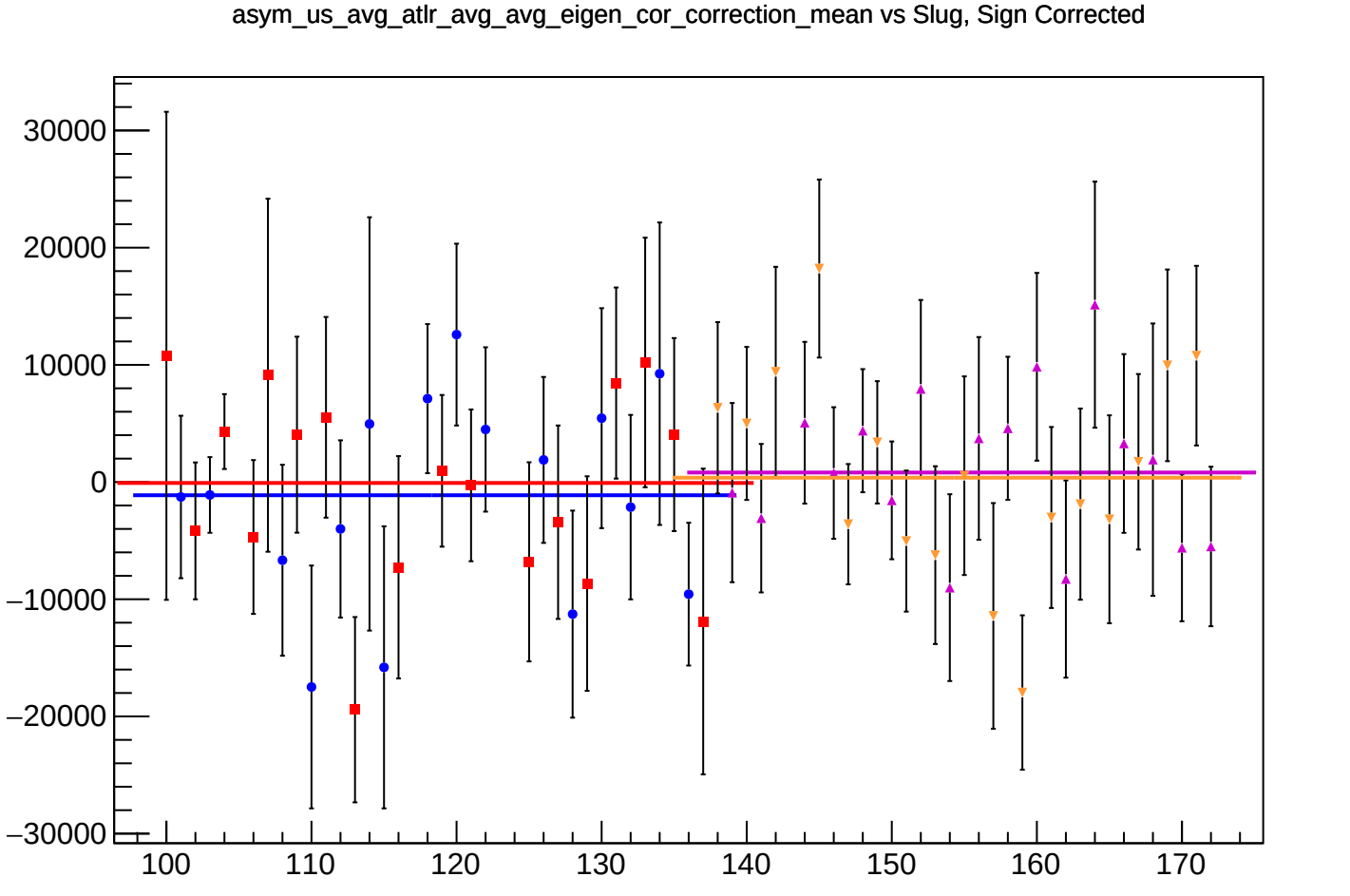
Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4798.780+/-399.140 χ^2/NDF:32.7/32

Out: 3308.244+/-404.343 χ^2/NDF:33.4/34

All: 4063.164+/-284.056 χ^2/NDF: 73.0/67


eigen_cor_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: 1859.509+/-0.494 χ²/NDF: 292336.5/15
Left Out: 1821.267+/-0.351 χ²/NDF:10559.0/16
Right Out: 1852.770+/-0.491 χ²/NDF: 101750.5/17
Left In: 1821.115+/-0.344 χ²/NDF:10833.8/16
Left: 1821.189+/-0.246 χ²/NDF: 21392.9/33
Right: 1856.115+/-0.348 χ²/NDF: 394180.6/33
In: 1833.636+/-0.282 χ²/NDF:307237.2/32
Out: 1831.945+/-0.286 χ²/NDF:115034.8/34
All: 1832.801+/-0.201 χ²/NDF: 422289.8/67



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 370.709+/-1731.056 χ^2/NDF:23.1/16

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: 598.022+/-1205.698 χ^2/NDF: 33.9/33

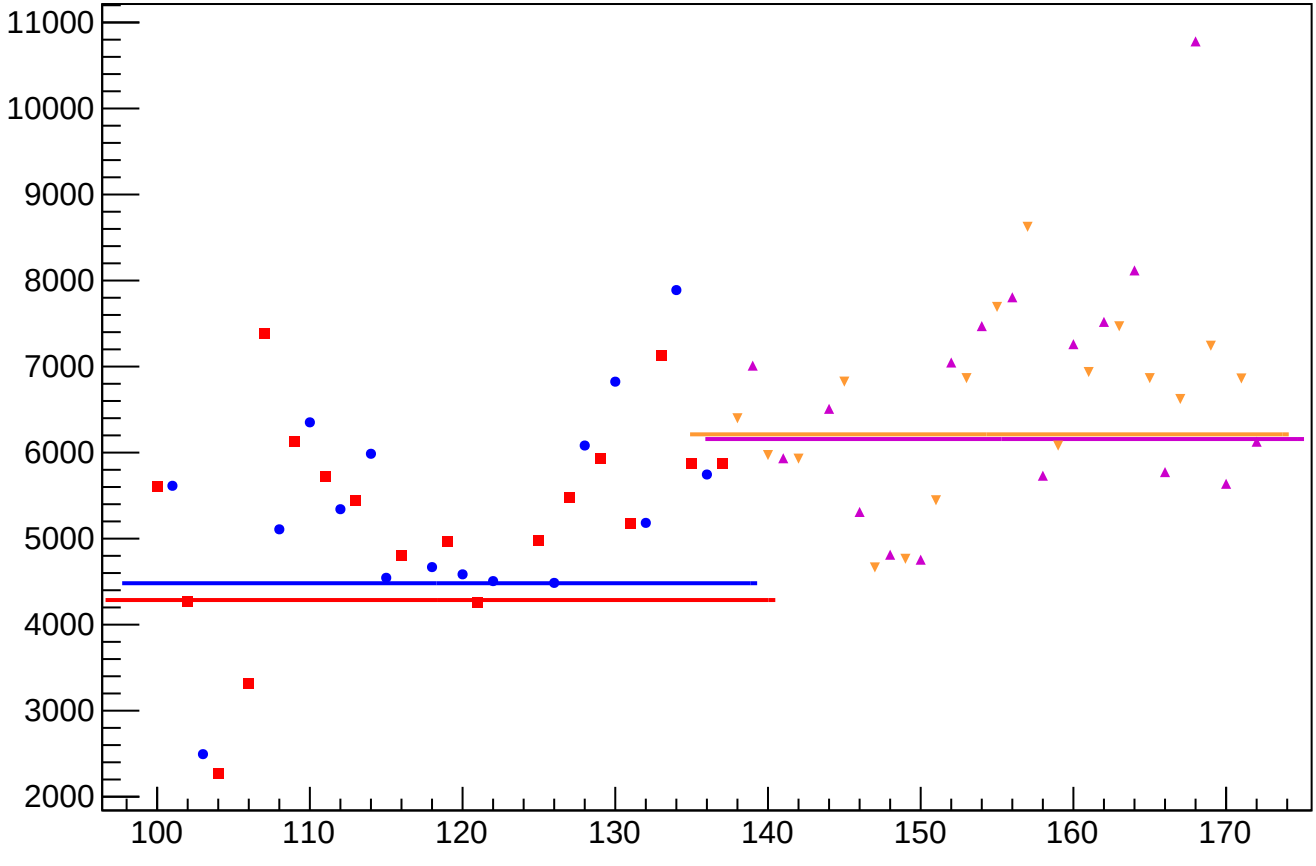
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -112.985+/-1214.652 χ^2/NDF:26.1/32

Out: 142.478+/-1213.799 χ^2/NDF:38.7/34

All: 14.836+/-858.587 χ^2/NDF: 64.8/67

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: 6212.218+/-1.224 χ^2/NDF:717140.5/16

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6157.549+/-1.188 χ^2/NDF:1024093.8/16

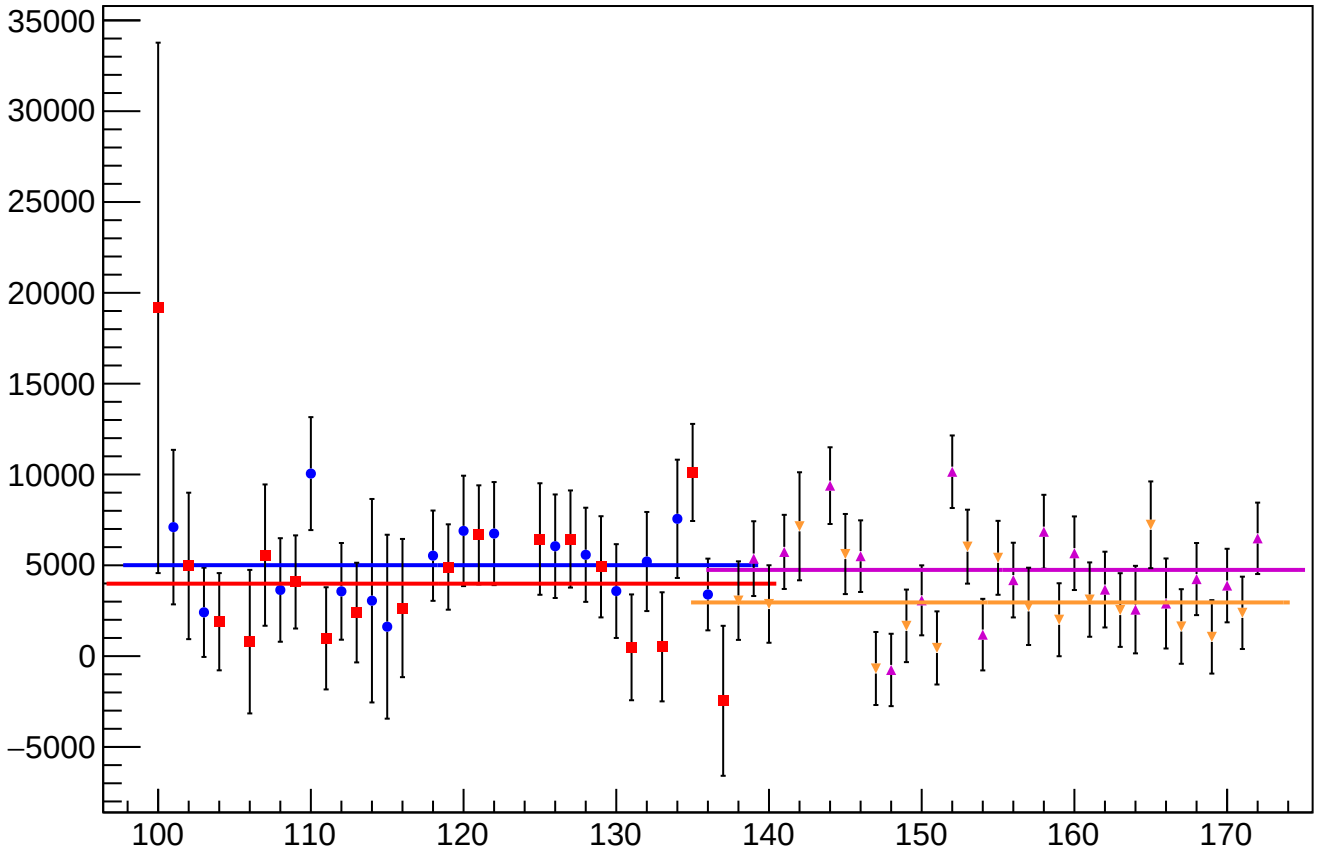
Left: 6184.070+/-0.853 χ^2/NDF: 1742261.3/33

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5357.329+/-0.859 χ^2/NDF:3336397.0/32

Out: 5233.122+/-0.858 χ^2/NDF:3525658.4/34

All: 5295.182+/-0.607 χ^2/NDF: 6872519.2/67



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2955.444+/-510.323 χ^2/NDF:17.3/16

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 4747.191+/-498.065 χ^2/NDF:28.3/16

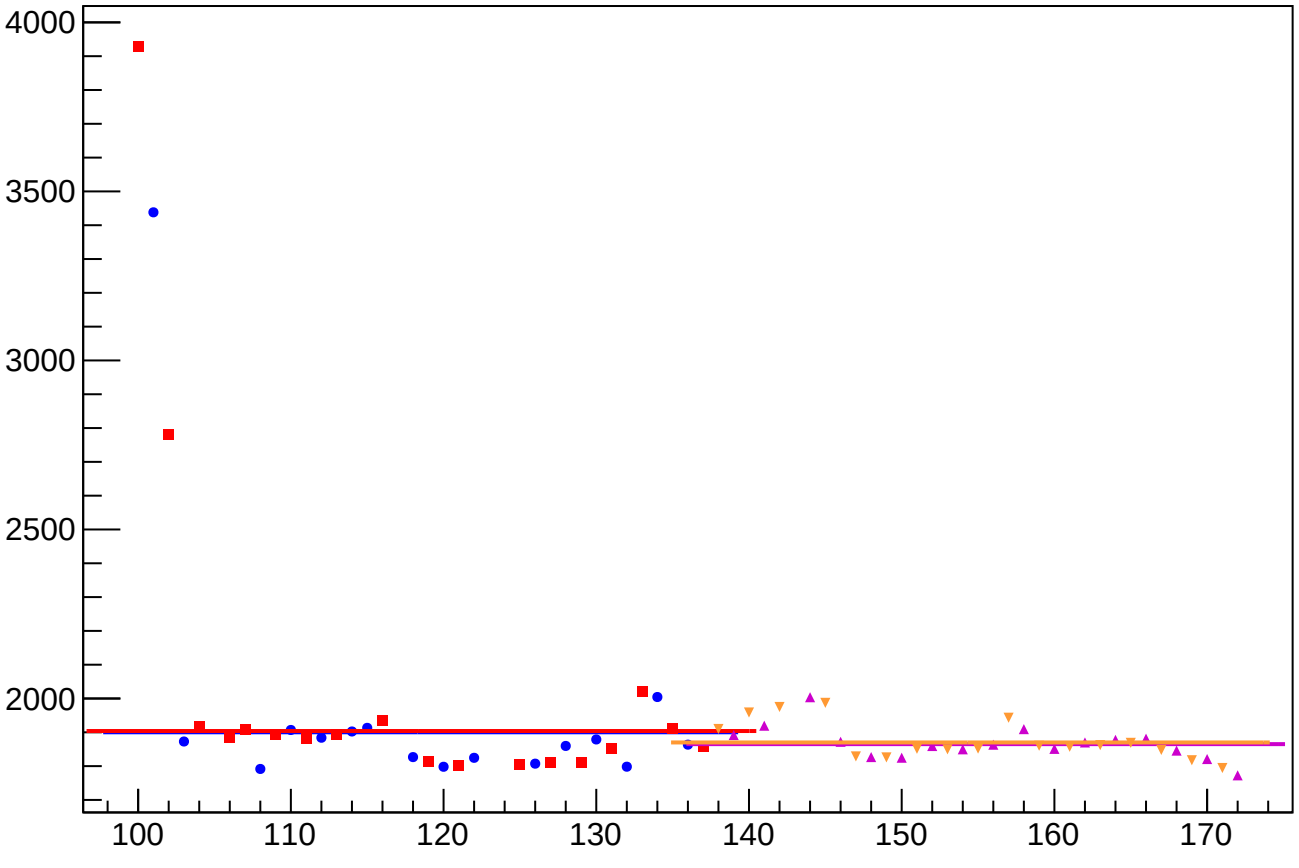
Left: 3873.094+/-356.440 χ^2/NDF: 51.9/33

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4832.327+/-408.508 χ^2/NDF:36.1/32

Out: 3301.739+/-416.159 χ^2/NDF:36.0/34

All: 4081.231+/-291.526 χ^2/NDF: 79.0/67



Right In: 1900.111+/-0.505 χ^2/NDF: 278448.2/15

Left Out: 1870.024+/-0.361 χ^2/NDF:21614.6/16

Right Out: 1903.827+/-0.508 χ^2/NDF: 150115.8/17

Left In: 1865.051+/-0.352 χ^2/NDF:18915.4/16

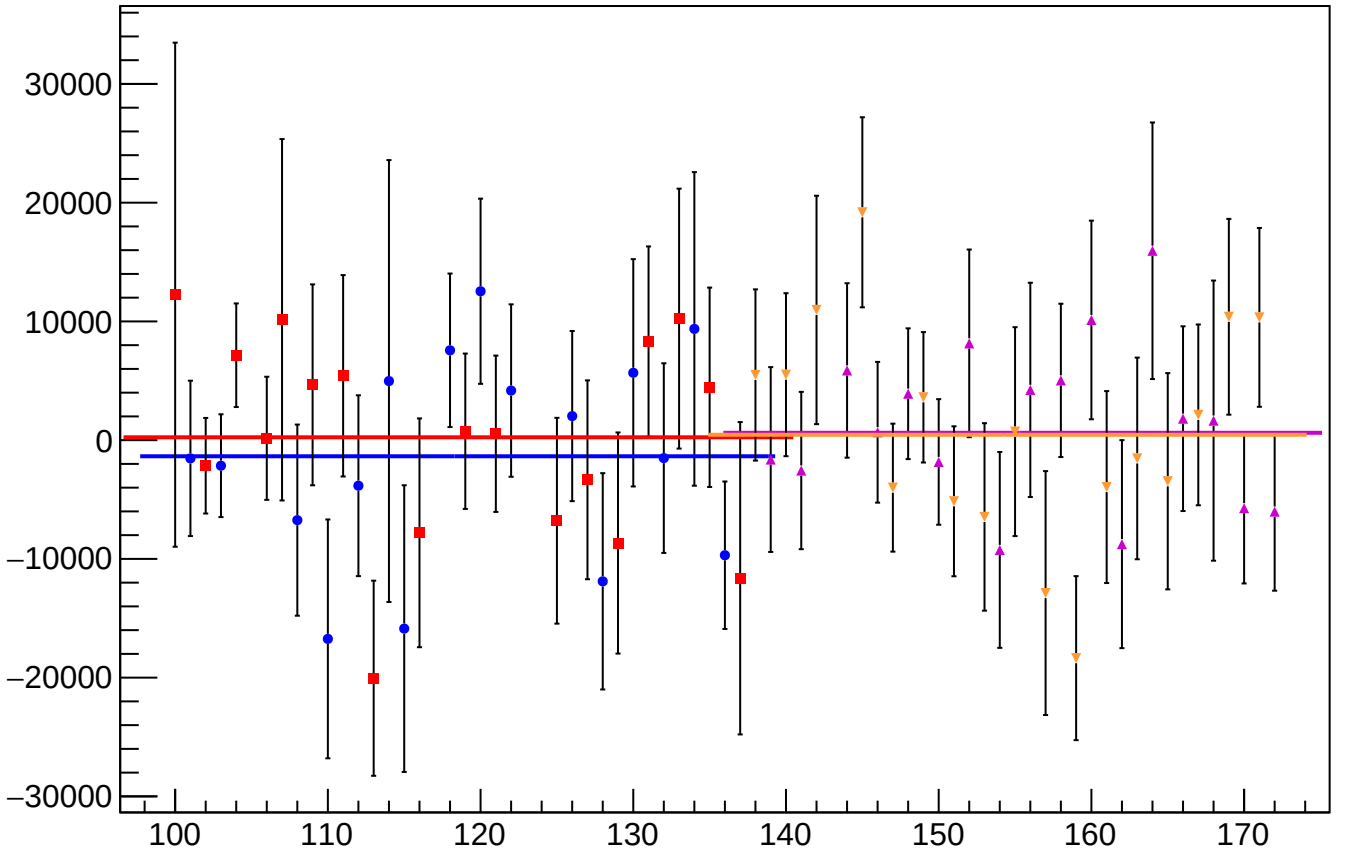
Left: 1867.477+/-0.252 χ^2/NDF: 40627.2/33

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1876.526+/-0.289 χ^2/NDF:300607.2/32

Out: 1881.364+/-0.294 χ^2/NDF:174674.2/34

All: 1878.901+/-0.206 χ^2/NDF: 475419.1/67



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 453.751+/-1796.667 χ^2/NDF:23.1/16

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: 539.512+/-1251.135 χ^2/NDF: 34.0/33

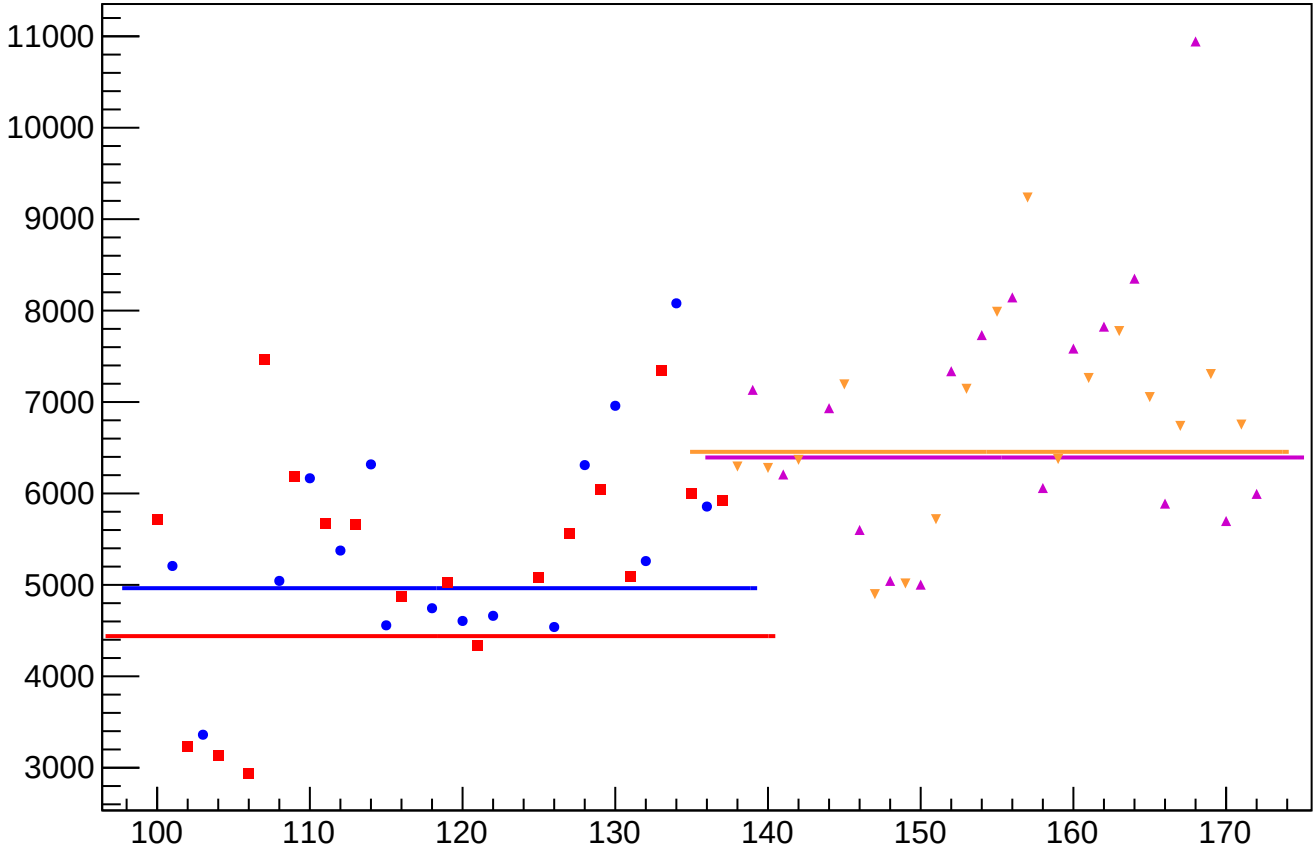
Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: -285.377+/-1283.283 χ^2/NDF:26.1/32

Out: 342.367+/-1239.676 χ^2/NDF:38.9/34

All: 39.342+/-891.601 χ^2/NDF: 65.1/67

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 4963.998+/-1.341 χ^2/NDF: 627377.0/15

Left Out: 6455.226+/-1.270 χ^2/NDF:677959.2/16

Right Out: 4439.675+/-1.211 χ^2/NDF: 1158510.1/17

Left In: 6393.556+/-1.233 χ^2/NDF:983226.7/16

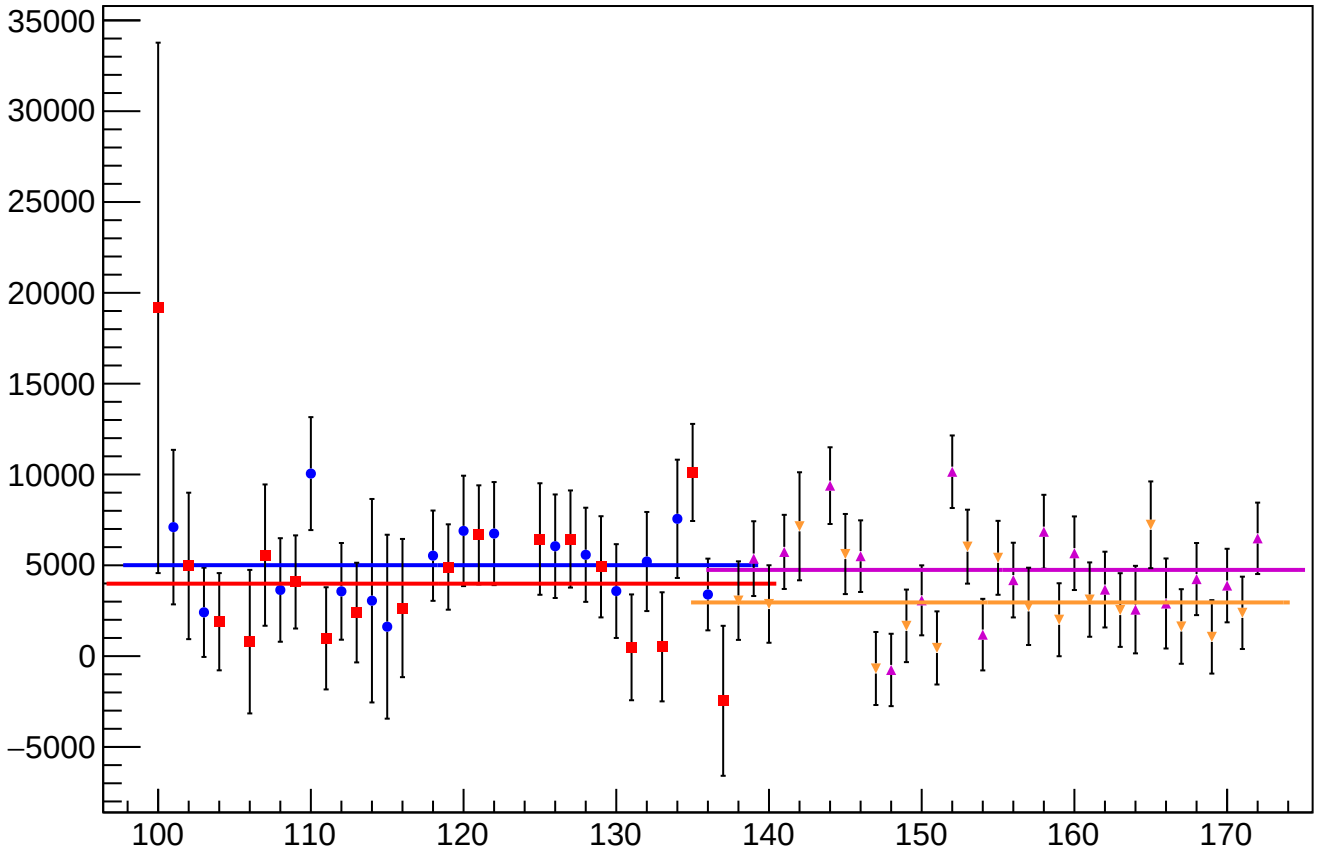
Left: 6423.461+/-0.885 χ^2/NDF: 1662399.6/33

Right: 4675.271+/-0.899 χ^2/NDF: 1870112.9/33

In: 5738.657+/-0.907 χ^2/NDF:2226730.4/32

Out: 5399.241+/-0.877 χ^2/NDF:3155169.5/34

All: 5563.084+/-0.630 χ^2/NDF: 5454272.2/67



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2955.438+/-510.323 χ^2/NDF:17.3/16

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 4747.194+/-498.065 χ^2/NDF:28.3/16

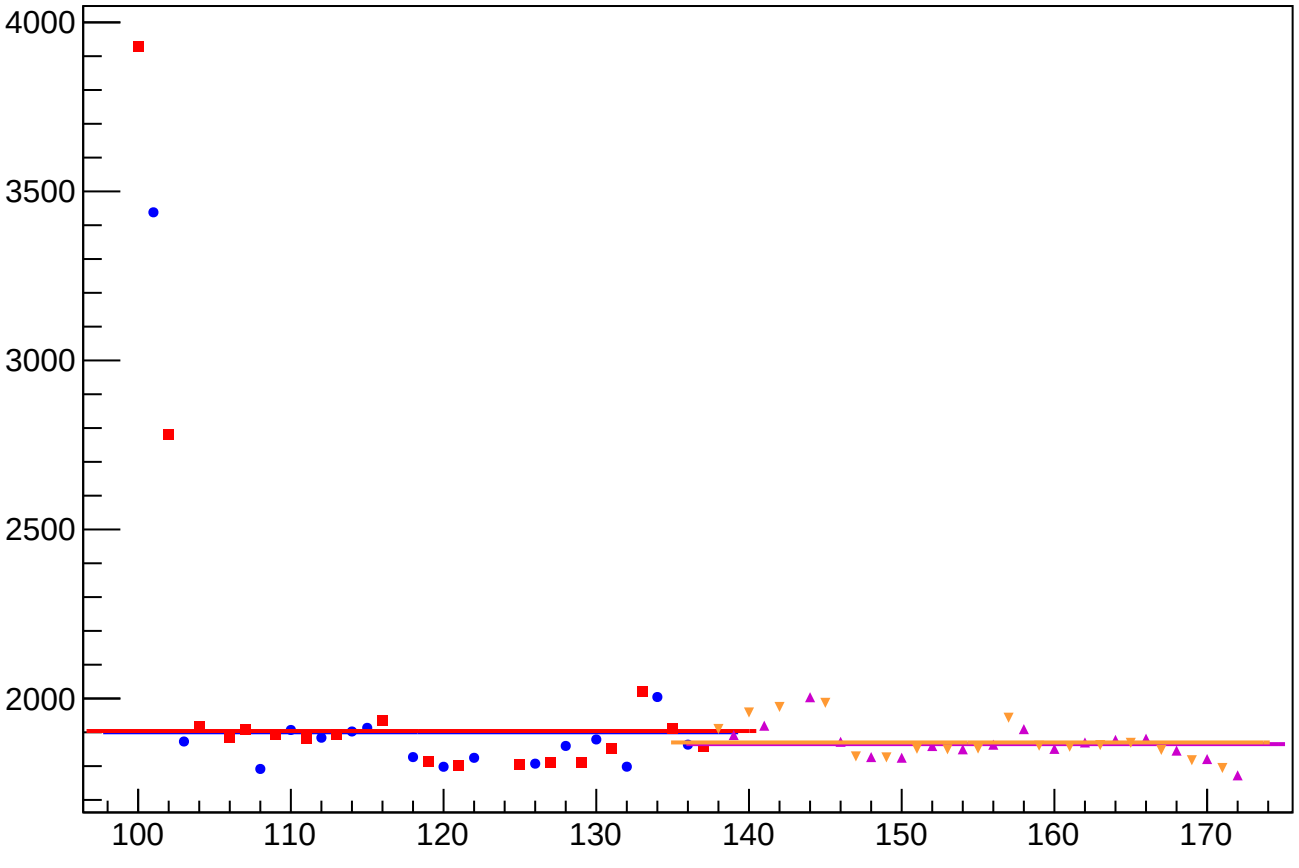
Left: 3873.092+/-356.440 χ^2/NDF: 51.9/33

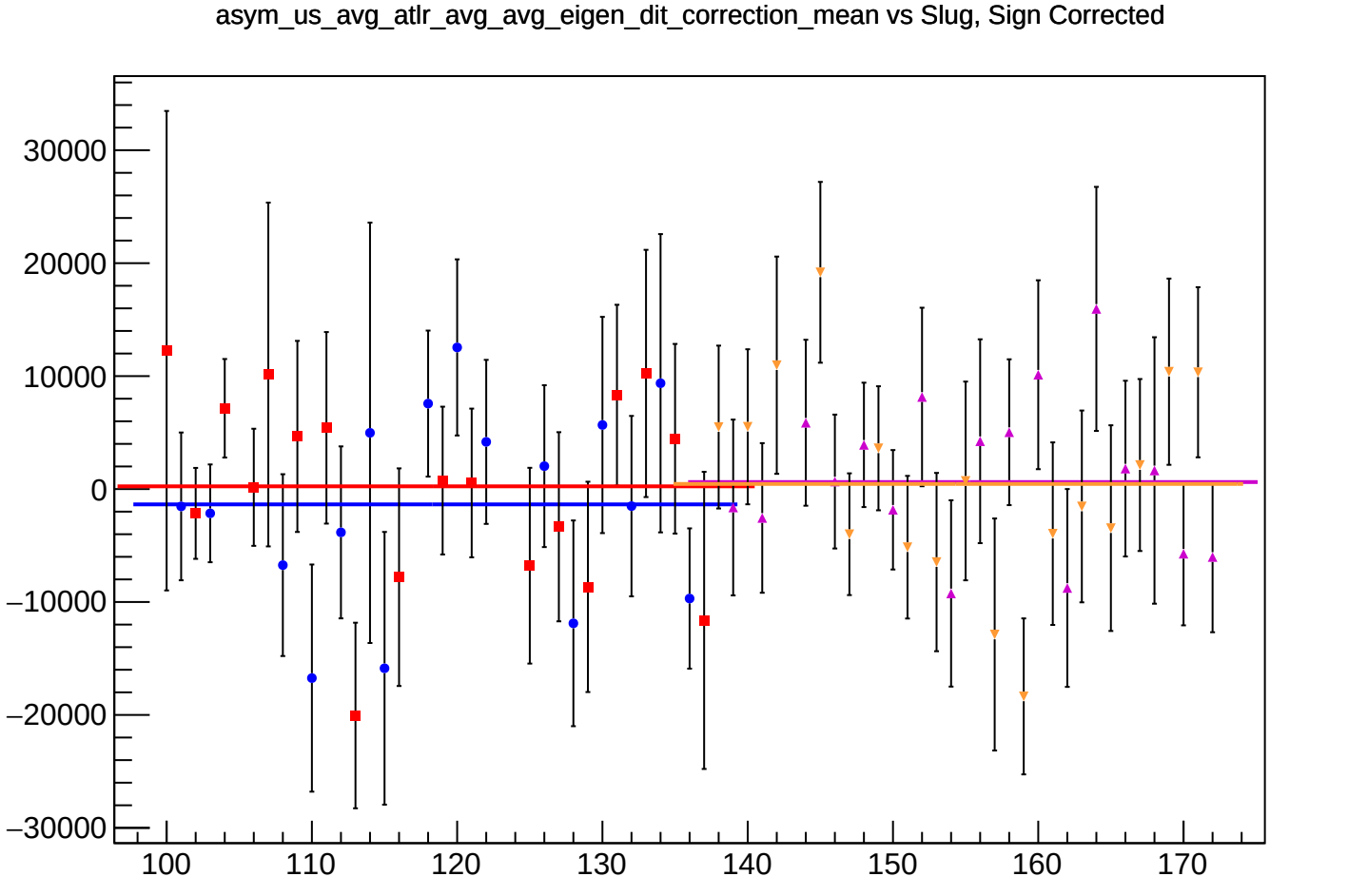
Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4832.328+/-408.508 χ^2/NDF:36.1/32

Out: 3301.735+/-416.159 χ^2/NDF:36.0/34

All: 4081.230+/-291.526 χ^2/NDF: 79.0/67


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: 1870.025+/-0.361 χ²/NDF:21615.1/16
Right Out: 1903.826+/-0.508 χ²/NDF: 150115.1/17
Left In: 1865.052+/-0.352 χ²/NDF:18915.9/16
Left: 1867.478+/-0.252 χ²/NDF: 40628.3/33
Right: 1901.958+/-0.358 χ²/NDF: 428590.5/33
In: 1876.527+/-0.289 χ²/NDF:300607.6/32
Out: 1881.364+/-0.294 χ²/NDF:174673.8/34
All: 1878.901+/-0.206 χ²/NDF: 475419.0/67



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 453.745+/-1796.670 χ^2/NDF:23.1/16

Right Out: 241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: 620.251+/-1743.287 χ^2/NDF:10.8/16

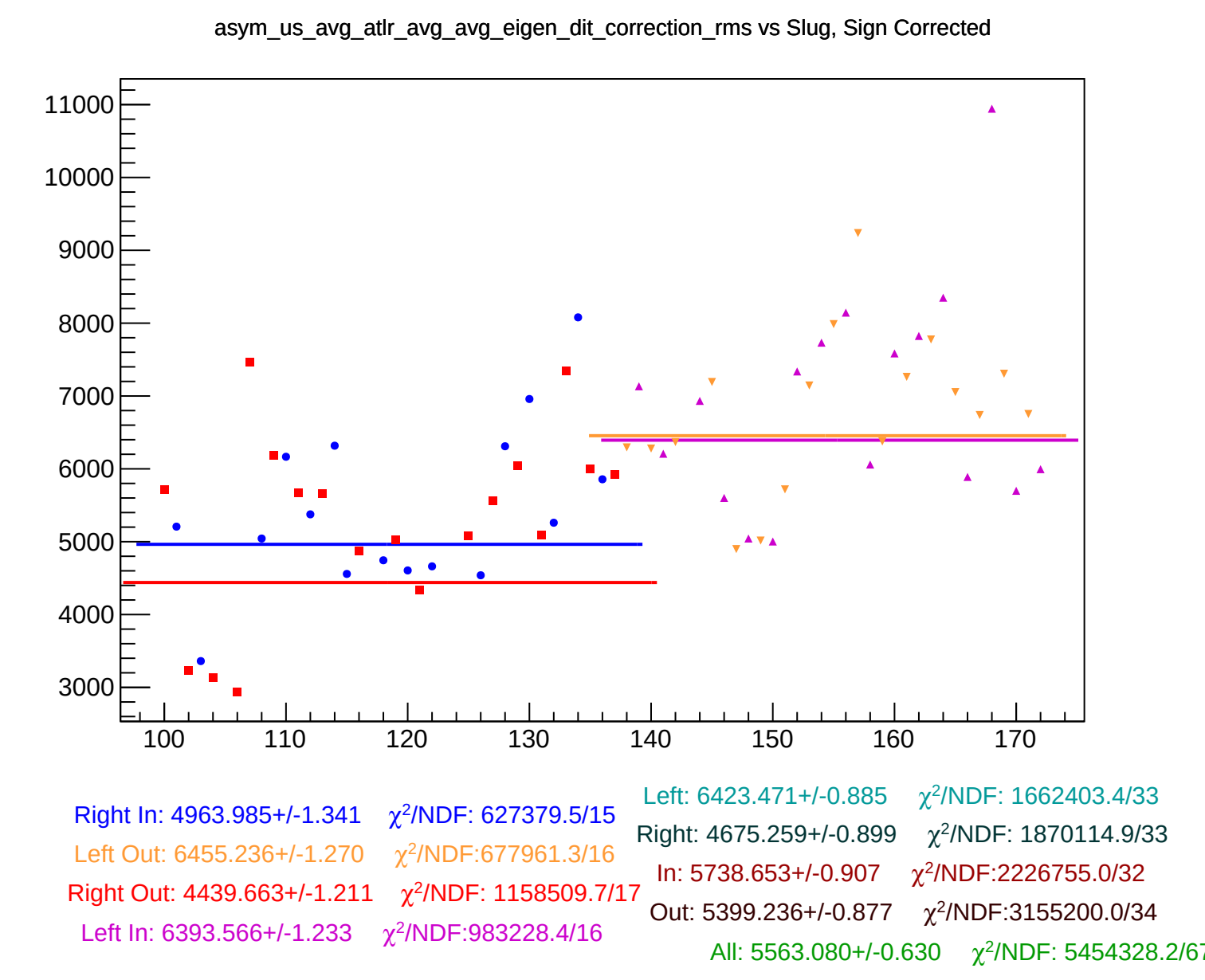
Left: 539.509+/-1251.137 χ^2/NDF: 34.0/33

Right: -476.773+/-1270.924 χ^2/NDF: 30.8/33

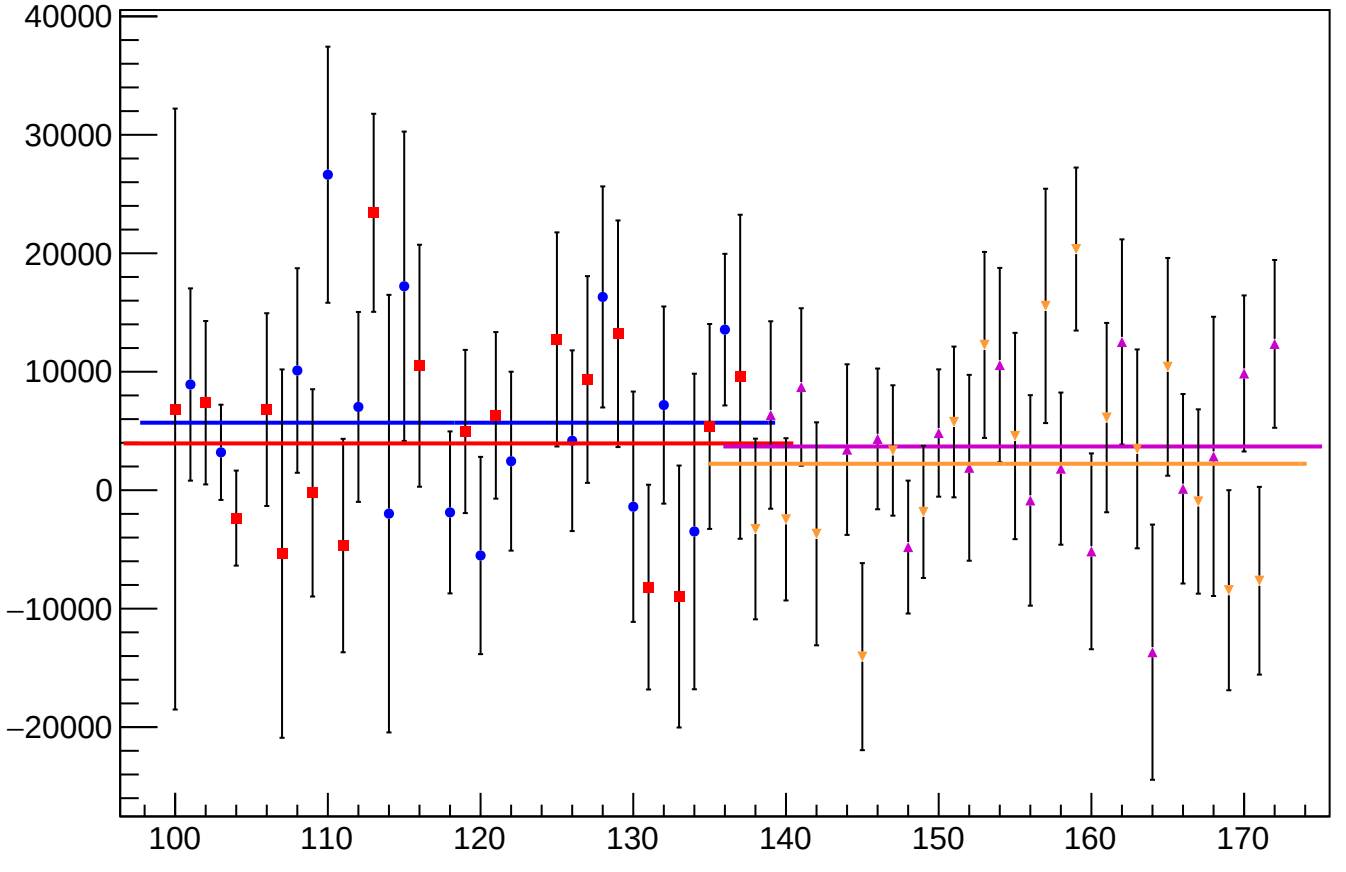
In: -285.377+/-1283.283 χ^2/NDF:26.1/32

Out: 342.365+/-1239.676 χ^2/NDF:38.9/34

All: 39.341+/-891.601 χ^2/NDF: 65.1/67


asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
Right In: 4963.985+/-1.341 χ²/NDF: 627379.5/15
Left Out: 6455.236+/-1.270 χ²/NDF:677961.3/16
Right Out: 4439.663+/-1.211 χ²/NDF: 1158509.7/17
Left In: 6393.566+/-1.233 χ²/NDF:983228.4/16
Left: 6423.471+/-0.885 χ²/NDF: 1662403.4/33
Right: 4675.259+/-0.899 χ²/NDF: 1870114.9/33
In: 5738.653+/-0.907 χ²/NDF:2226755.0/32
Out: 5399.236+/-0.877 χ²/NDF:3155200.0/34
All: 5563.080+/-0.630 χ²/NDF: 5454328.2/67

asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected



Right In: 5697.218+/-1959.214 χ^2/NDF: 12.6/15

Left Out: 2230.383+/-1811.907 χ^2/NDF:21.4/16

Right Out: 3949.394+/-1920.582 χ^2/NDF: 16.1/17

Left In: 3690.352+/-1759.513 χ^2/NDF:11.5/16

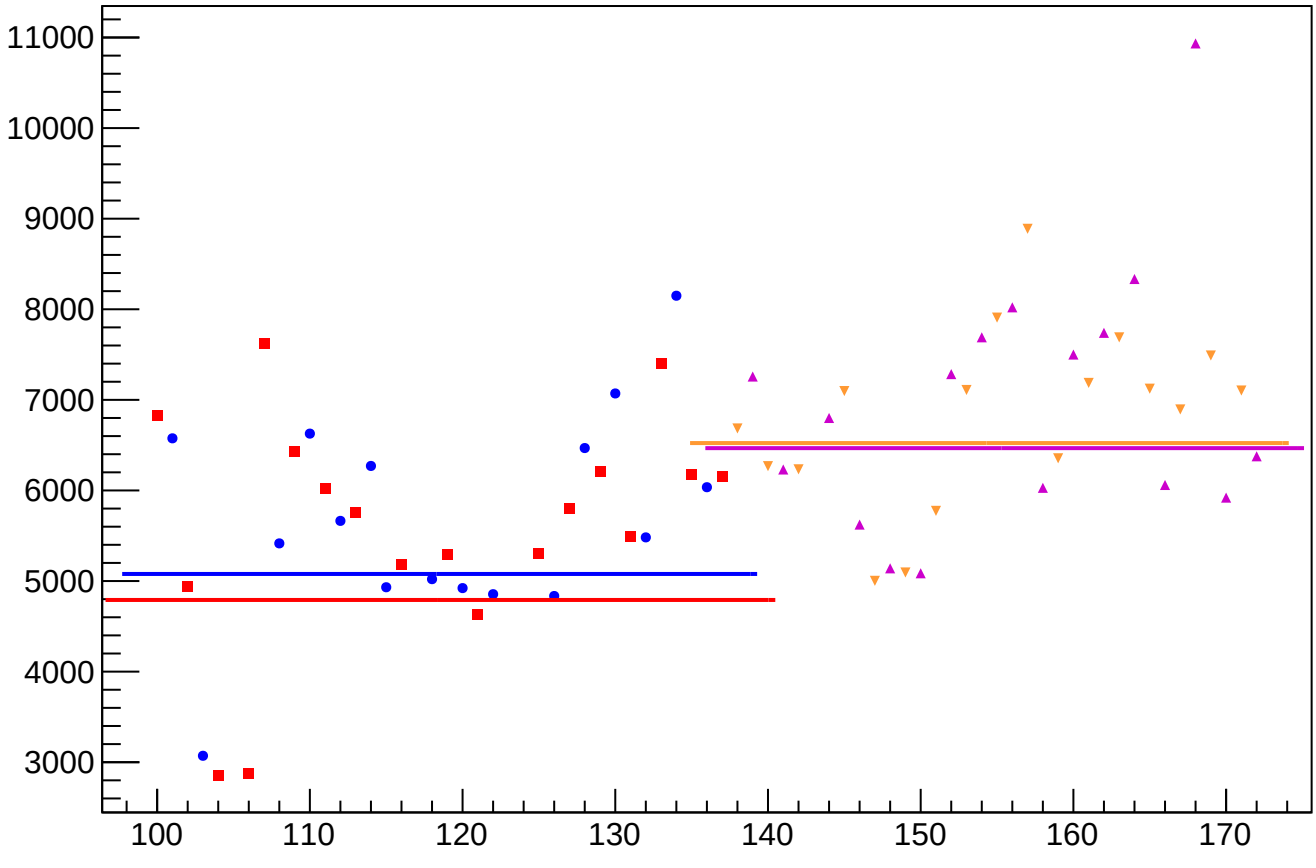
Left: 2981.782+/-1262.280 χ^2/NDF: 33.2/33

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 4586.323+/-1309.091 χ^2/NDF:24.7/32

Out: 3039.880+/-1317.957 χ^2/NDF:37.9/34

All: 3818.321+/-928.786 χ^2/NDF: 63.3/67



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6523.078+/-1.281 χ^2/NDF:607472.0/16

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6467.007+/-1.244 χ^2/NDF:888898.7/16

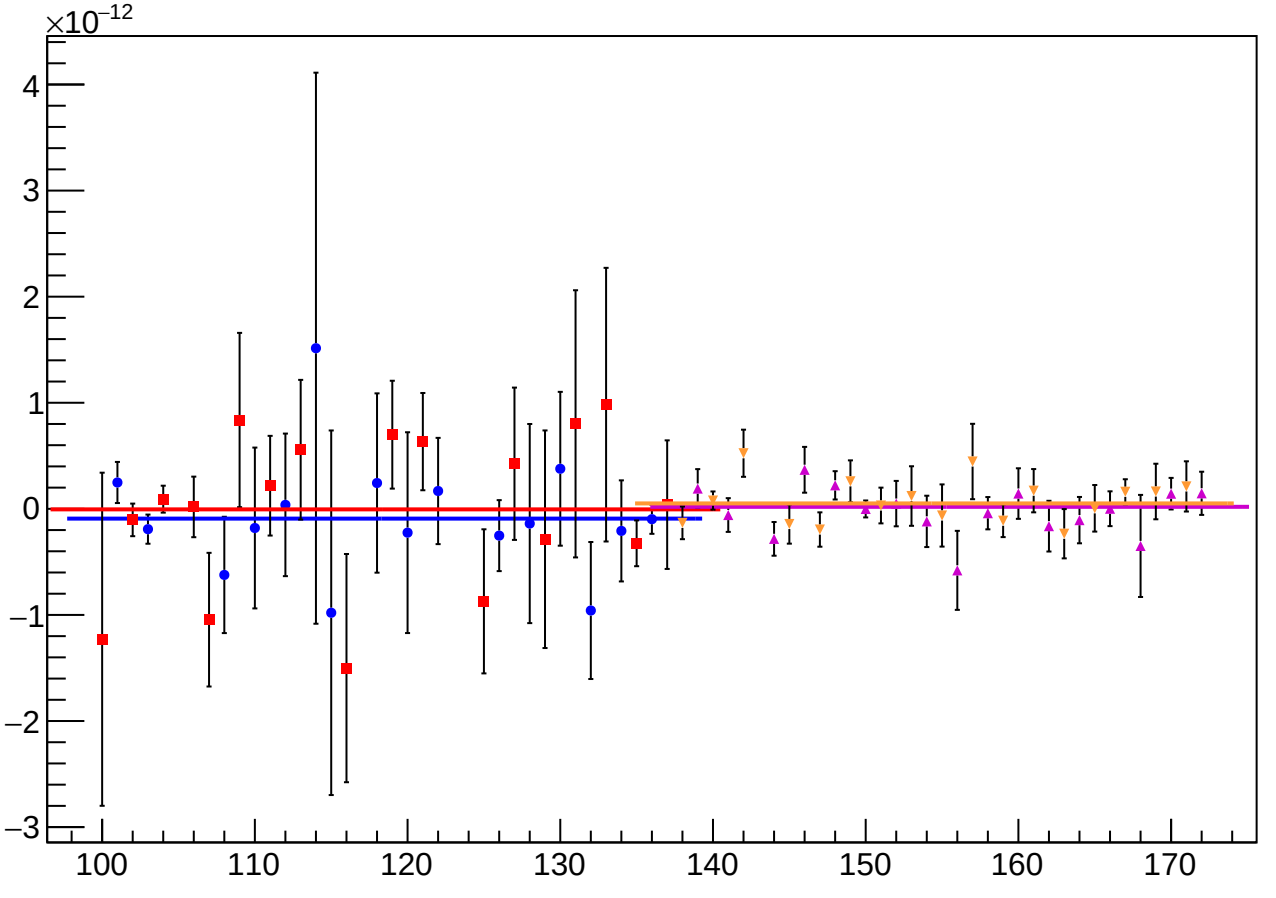
Left: 6494.220+/-0.893 χ^2/NDF: 1497356.5/33

Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5846.939+/-0.926 χ^2/NDF:2364447.3/32

Out: 5689.923+/-0.923 χ^2/NDF:2648976.7/34

All: 5768.201+/-0.654 χ^2/NDF: 5027852.7/67



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.5/16

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:15.7/16

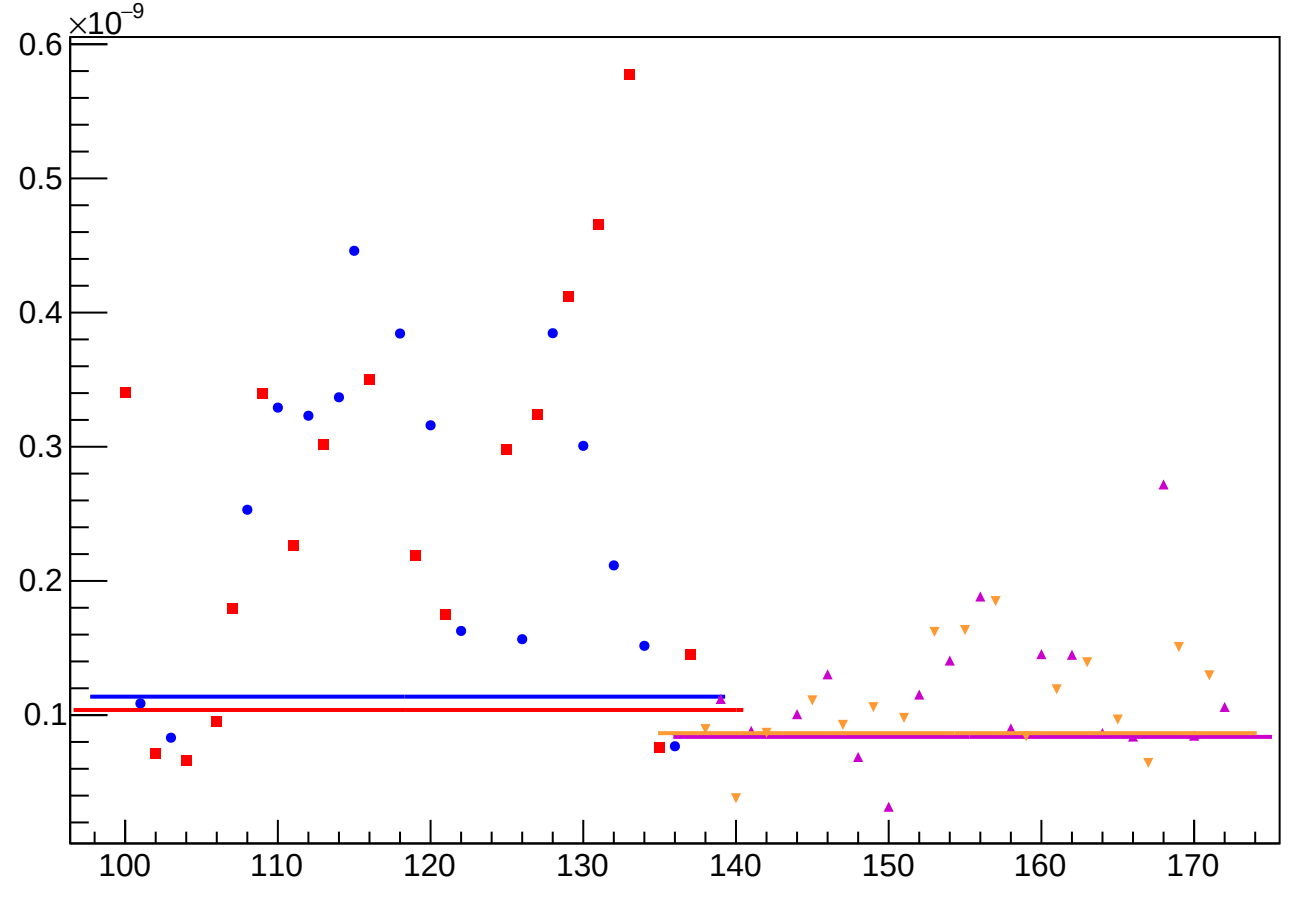
Left: 0.000+/-0.000 χ^2/NDF: 32.5/33

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:34.3/34

All: 0.000+/-0.000 χ^2/NDF: 60.5/67



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1558833.4/16

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: 3514095.9/33

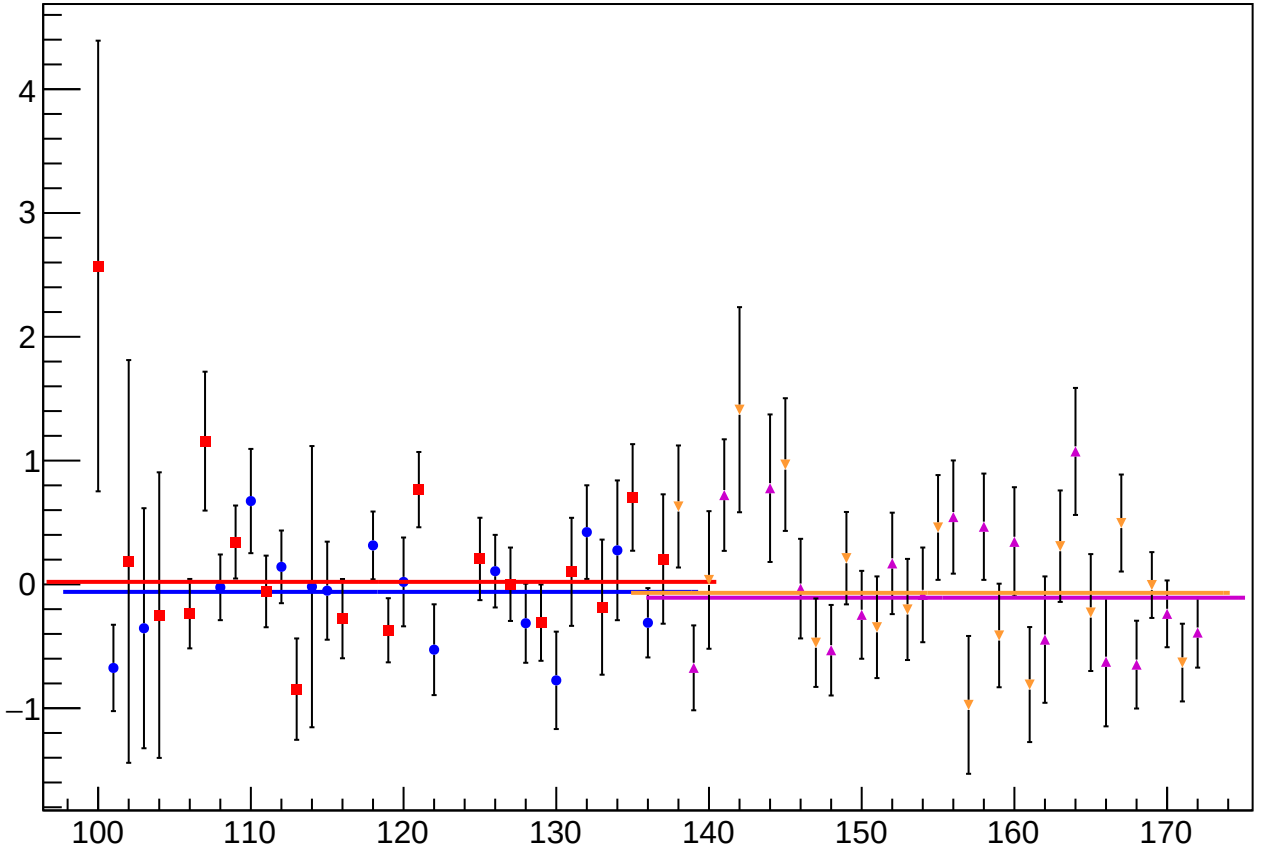
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:3708325.5/32

Out: 0.000+/-0.000 χ^2/NDF:3723816.3/34

All: 0.000+/-0.000 χ^2/NDF: 7432191.2/67

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: -0.068+/-0.101 χ^2/NDF:25.0/16

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: -0.089+/-0.069 χ^2/NDF: 50.5/33

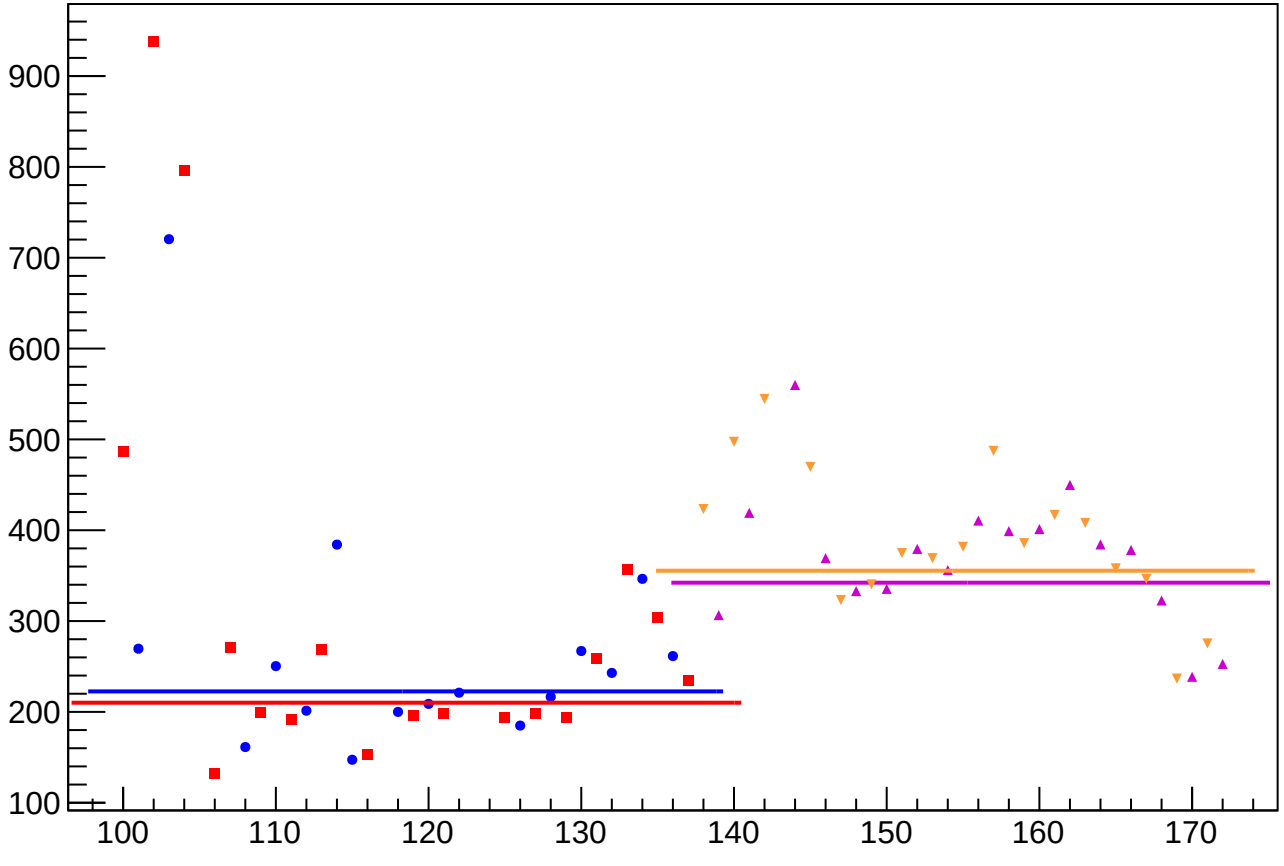
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.082+/-0.065 χ^2/NDF:42.9/32

Out: -0.018+/-0.066 χ^2/NDF:51.5/34

All: -0.051+/-0.046 χ^2/NDF: 94.9/67

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: 355.435+/-0.071 χ^2/NDF:1113363.4/16

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: 348.440+/-0.049 χ^2/NDF: 2236252.3/33

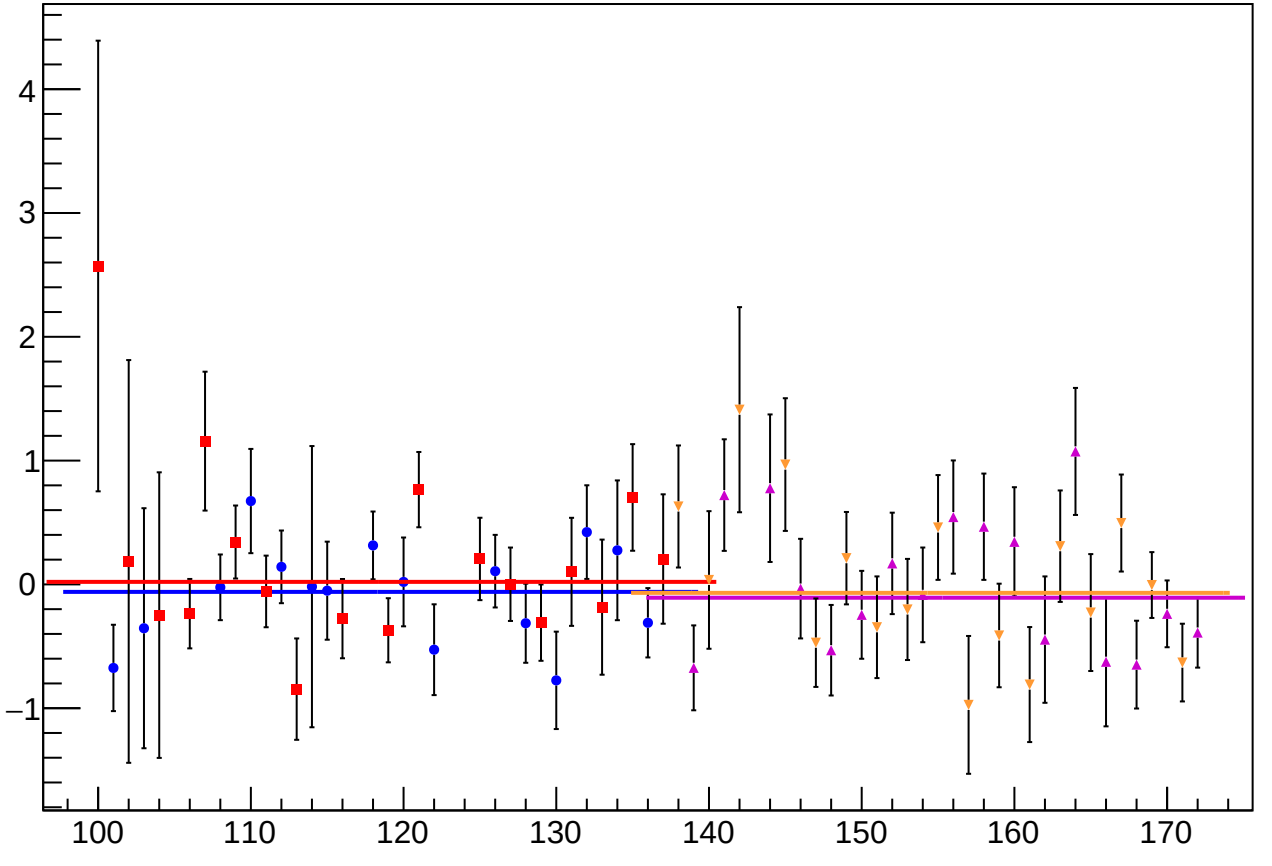
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 278.457+/-0.046 χ^2/NDF:3825392.9/32

Out: 272.585+/-0.047 χ^2/NDF:5036717.6/34

All: 275.579+/-0.033 χ^2/NDF: 8870177.7/67

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: -0.068+/-0.101 χ^2/NDF:25.0/16

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: -0.089+/-0.069 χ^2/NDF: 50.5/33

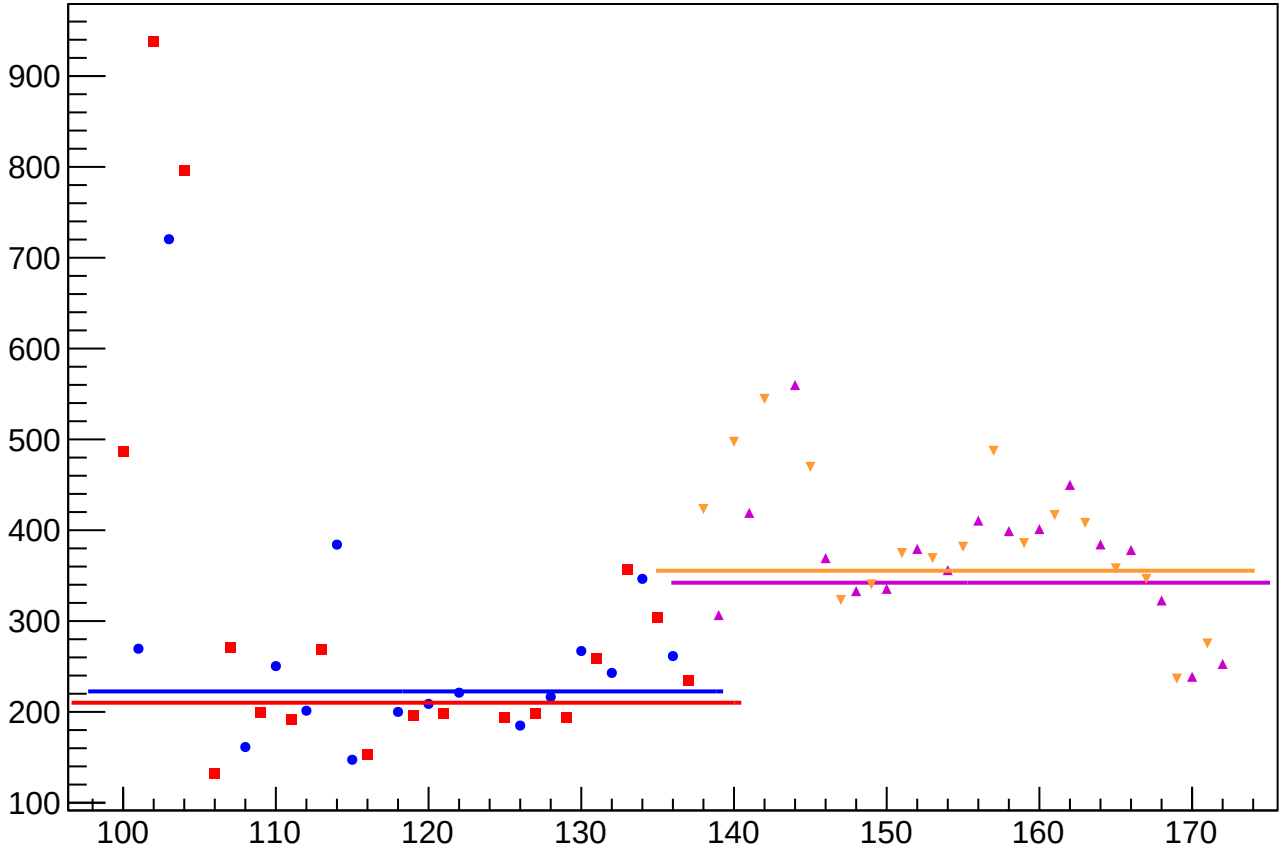
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.082+/-0.065 χ^2/NDF:42.9/32

Out: -0.018+/-0.066 χ^2/NDF:51.5/34

All: -0.051+/-0.046 χ^2/NDF: 94.9/67

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: 355.435+/-0.071 χ^2/NDF:1113363.4/16

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 342.250+/-0.067 χ^2/NDF:1104696.3/16

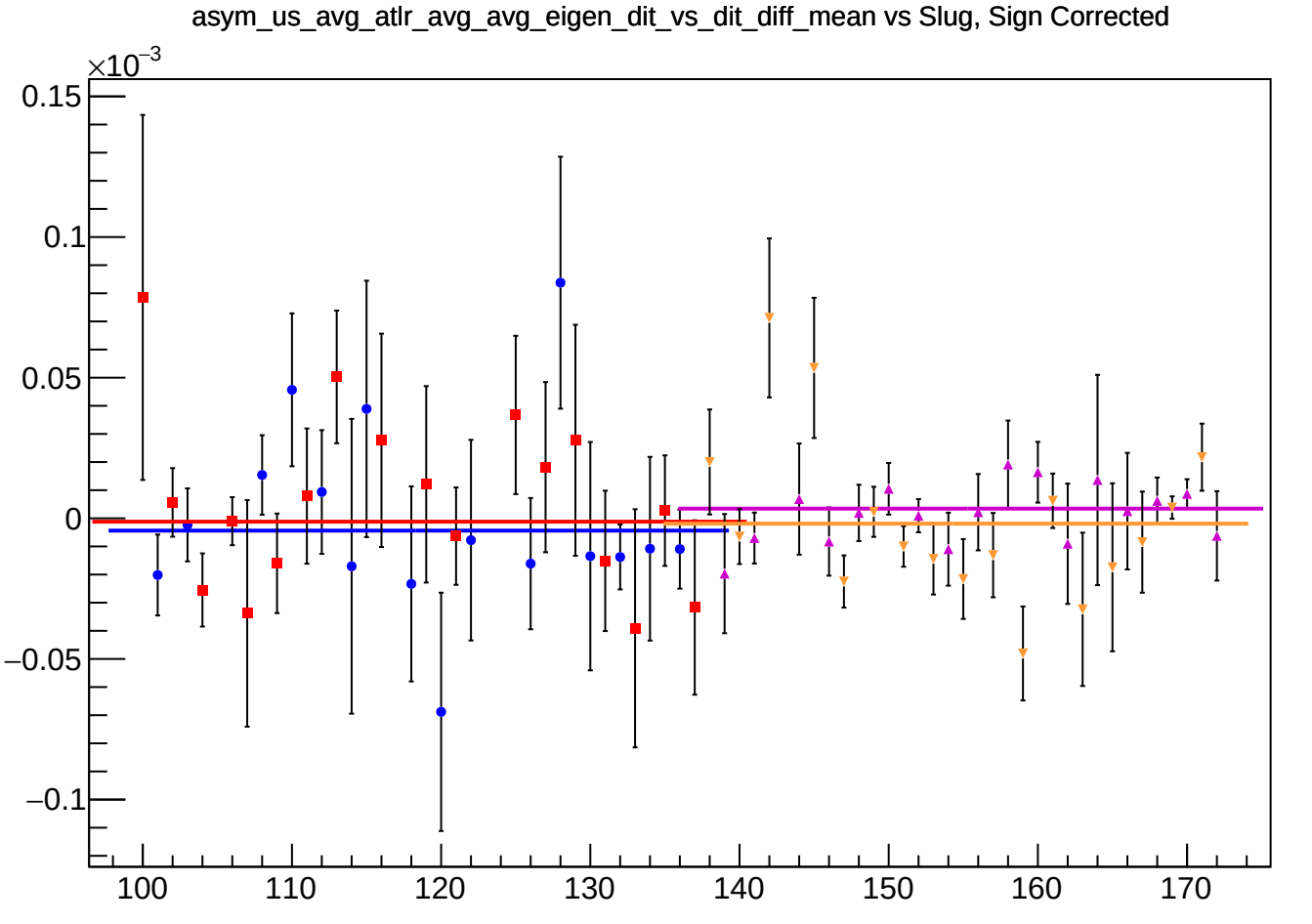
Left: 348.440+/-0.049 χ^2/NDF: 2236252.3/33

Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 278.457+/-0.046 χ^2/NDF:3825392.9/32

Out: 272.585+/-0.047 χ^2/NDF:5036717.6/34

All: 275.579+/-0.033 χ^2/NDF: 8870177.7/67



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.1/16

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:9.9/16

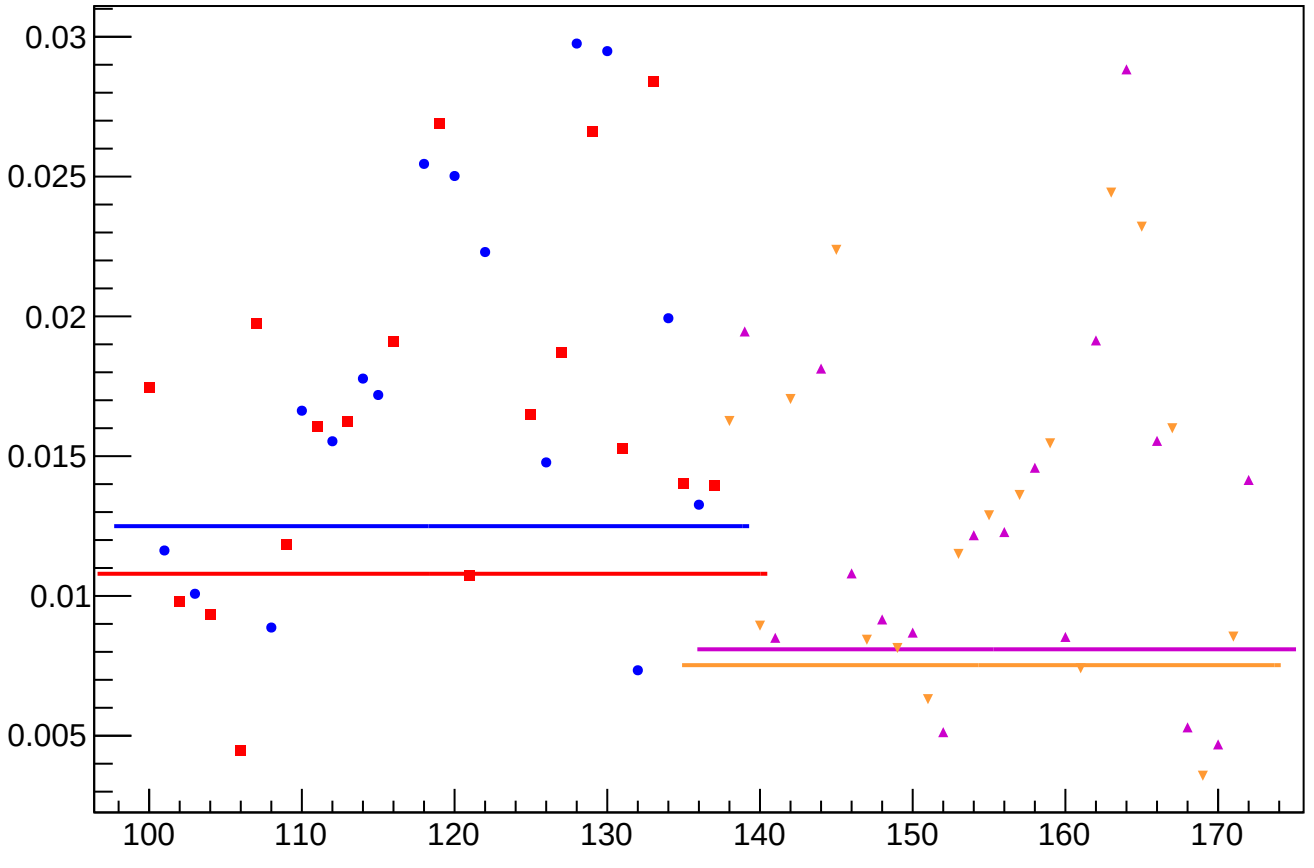
Left: 0.000+/-0.000 χ^2/NDF: 51.2/33

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:56.3/34

All: 0.000+/-0.000 χ^2/NDF: 85.1/67



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:6524882.2/16

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: 11817433.6/33

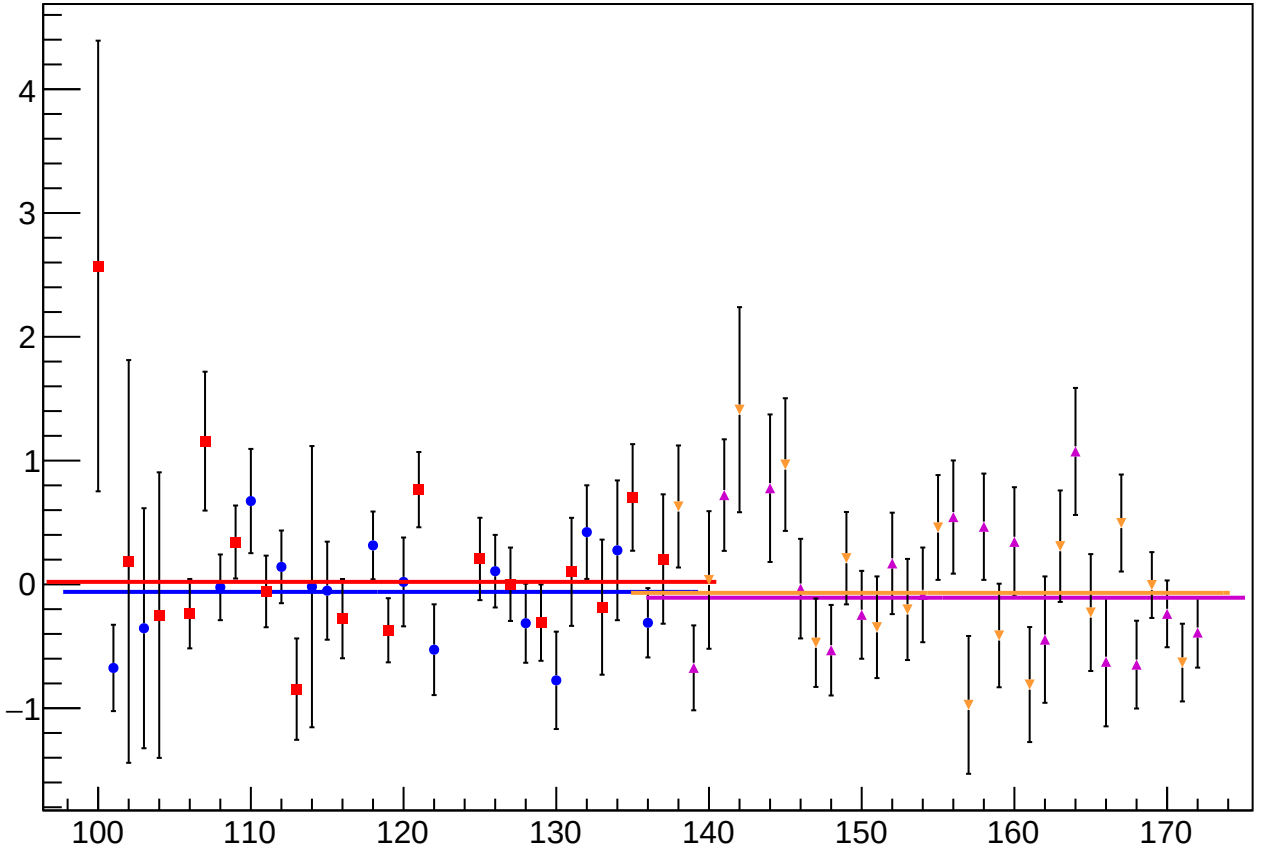
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.009+/-0.000 χ^2/NDF:8561548.7/32

Out: 0.008+/-0.000 χ^2/NDF:10301648.4/34

All: 0.009+/-0.000 χ^2/NDF: 18963688.9/67

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: -0.068+/-0.101 χ^2/NDF:25.0/16

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: -0.089+/-0.069 χ^2/NDF: 50.5/33

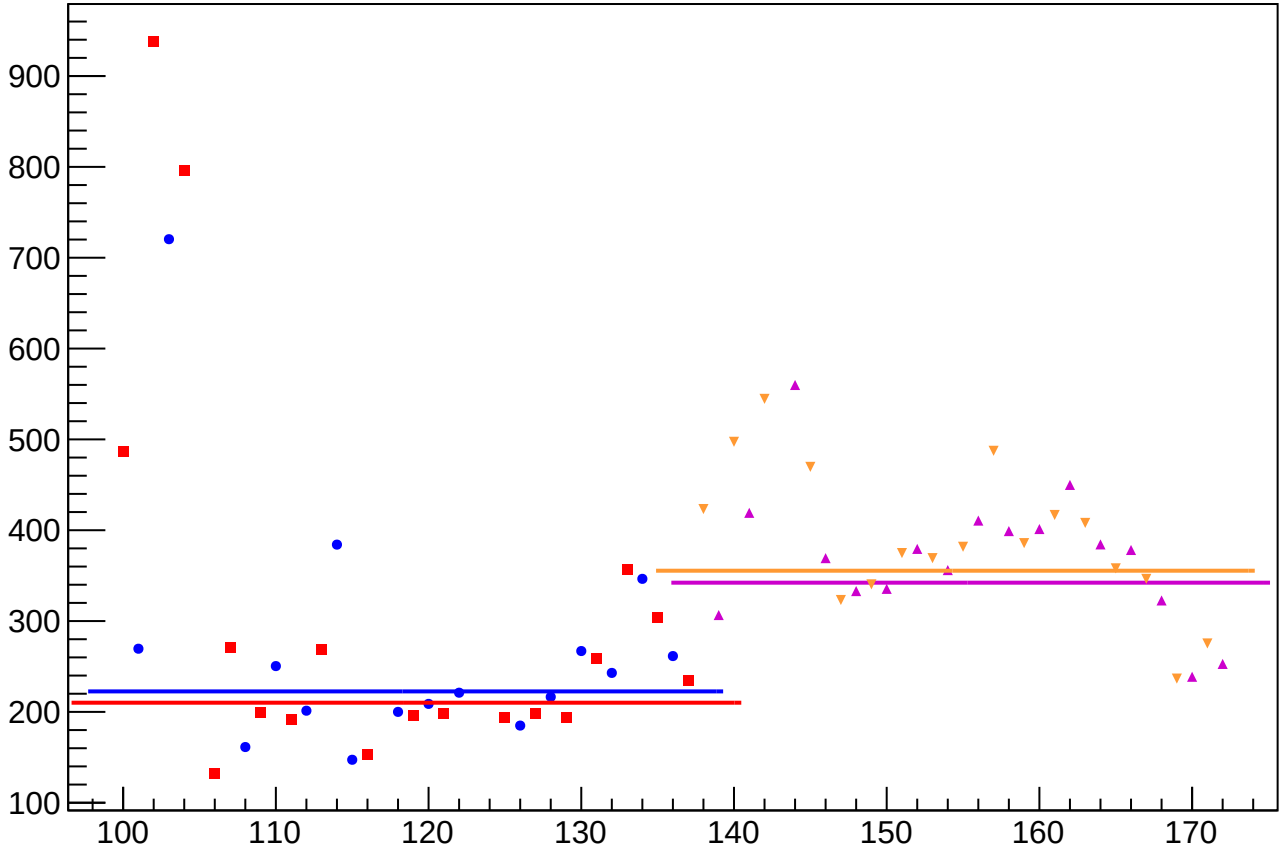
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.082+/-0.065 χ^2/NDF:42.9/32

Out: -0.018+/-0.066 χ^2/NDF:51.5/34

All: -0.051+/-0.046 χ^2/NDF: 94.9/67

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: 355.437+/-0.071 χ^2/NDF:1113471.5/16

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: 348.442+/-0.049 χ^2/NDF: 2236462.8/33

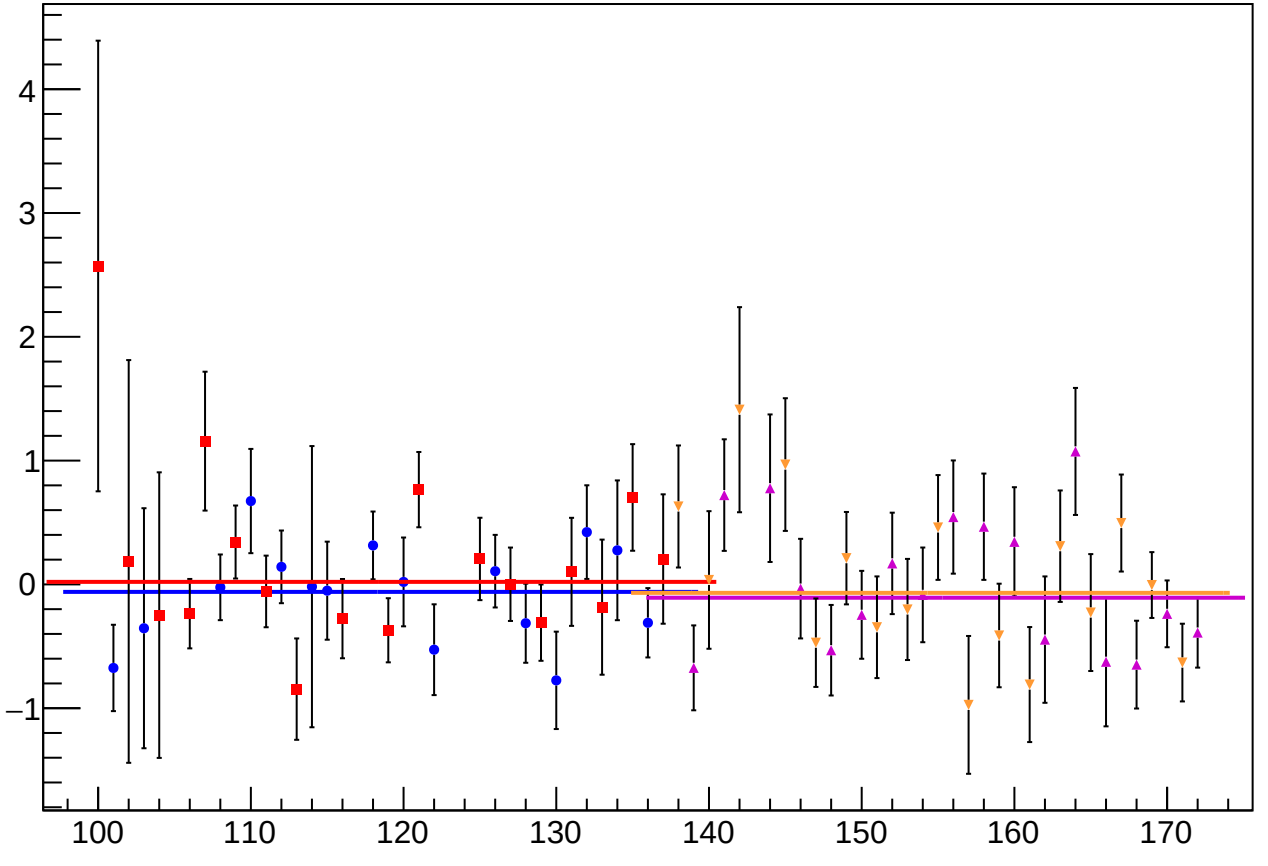
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 278.456+/-0.046 χ^2/NDF:3825596.1/32

Out: 272.583+/-0.047 χ^2/NDF:5036964.0/34

All: 275.577+/-0.033 χ^2/NDF: 8870630.7/67

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.068+/-0.101 χ^2/NDF:25.0/16

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: -0.089+/-0.069 χ^2/NDF: 50.5/33

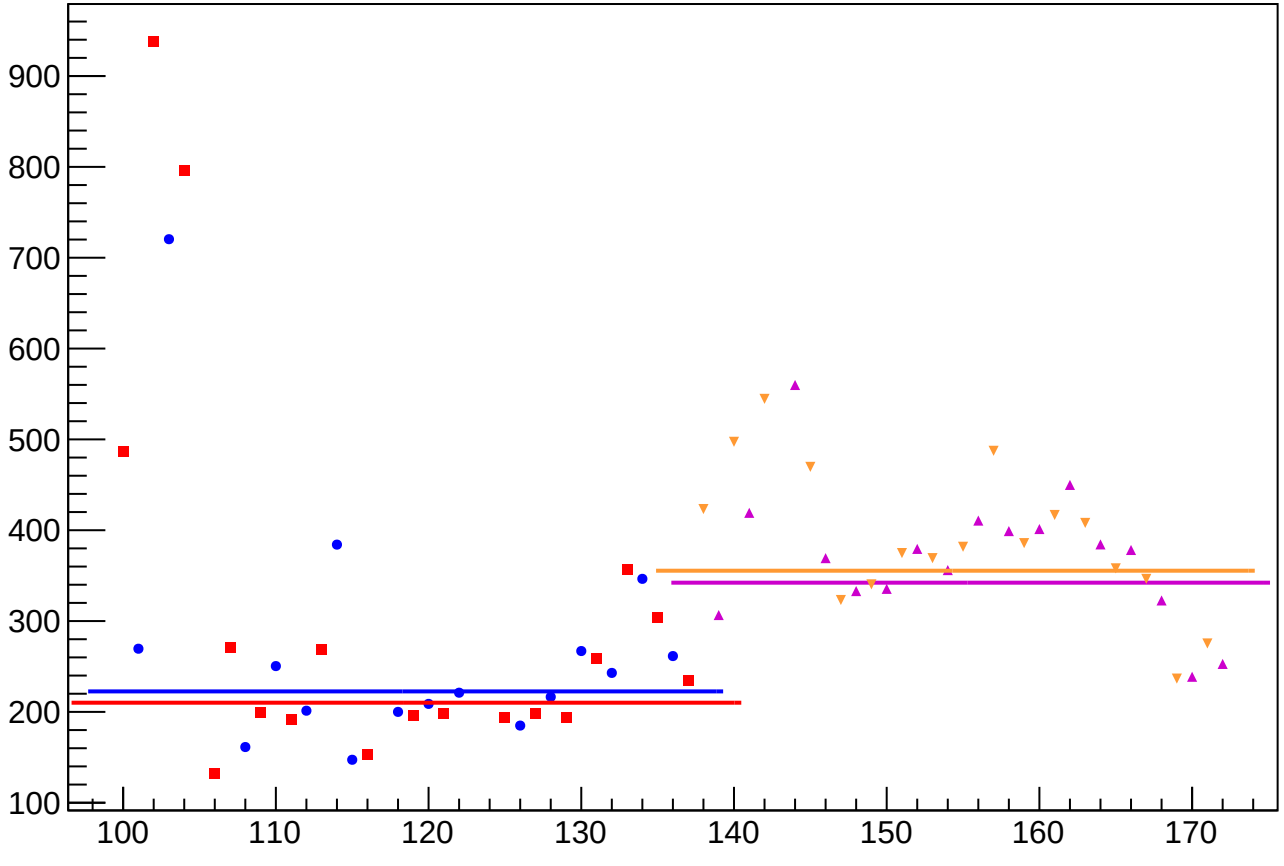
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.082+/-0.065 χ^2/NDF:42.9/32

Out: -0.018+/-0.066 χ^2/NDF:51.5/34

All: -0.051+/-0.046 χ^2/NDF: 94.9/67

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: 355.437+/-0.071 χ^2/NDF:1113471.5/16

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 342.253+/-0.067 χ^2/NDF:1104799.8/16

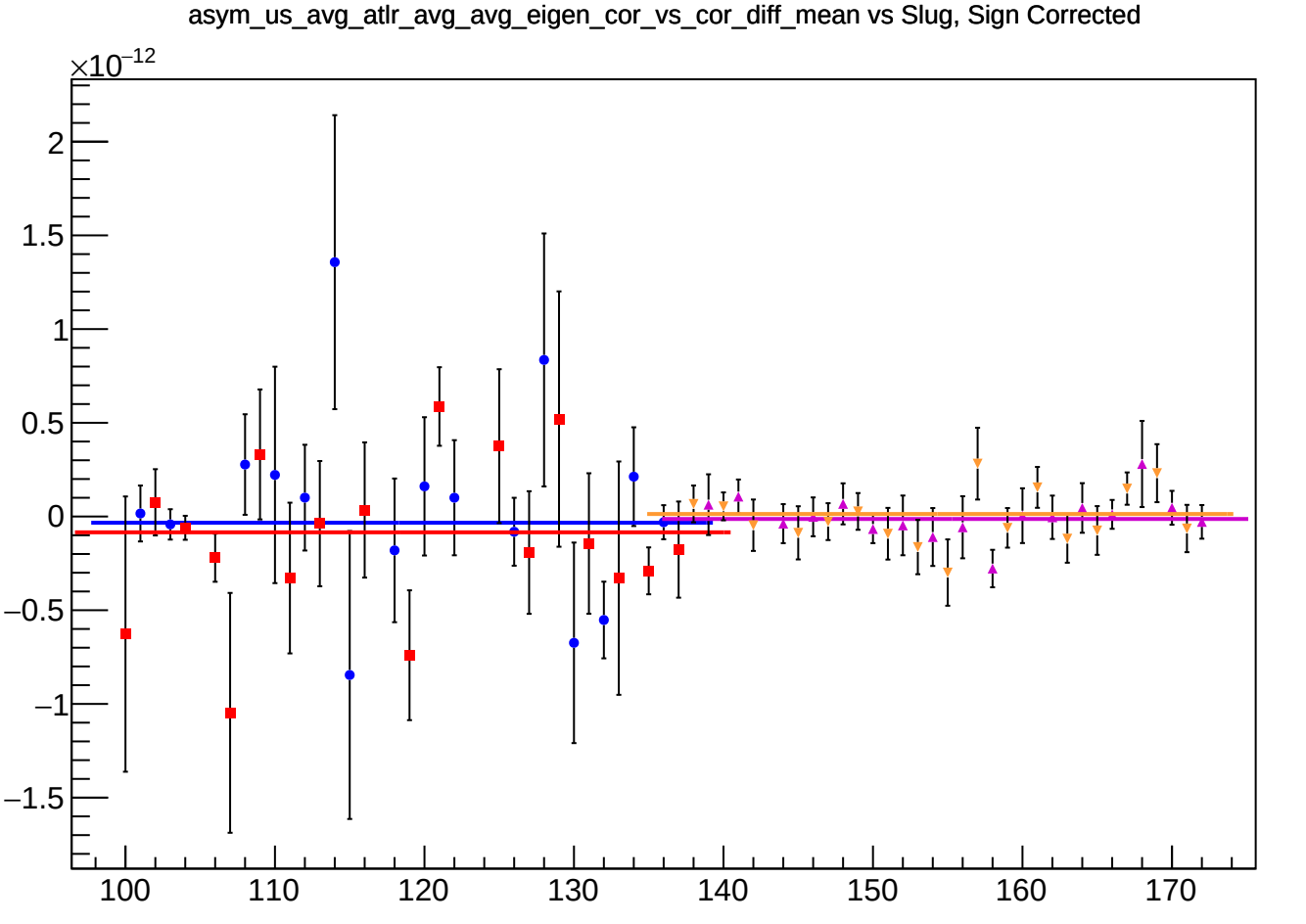
Left: 348.442+/-0.049 χ^2/NDF: 2236462.8/33

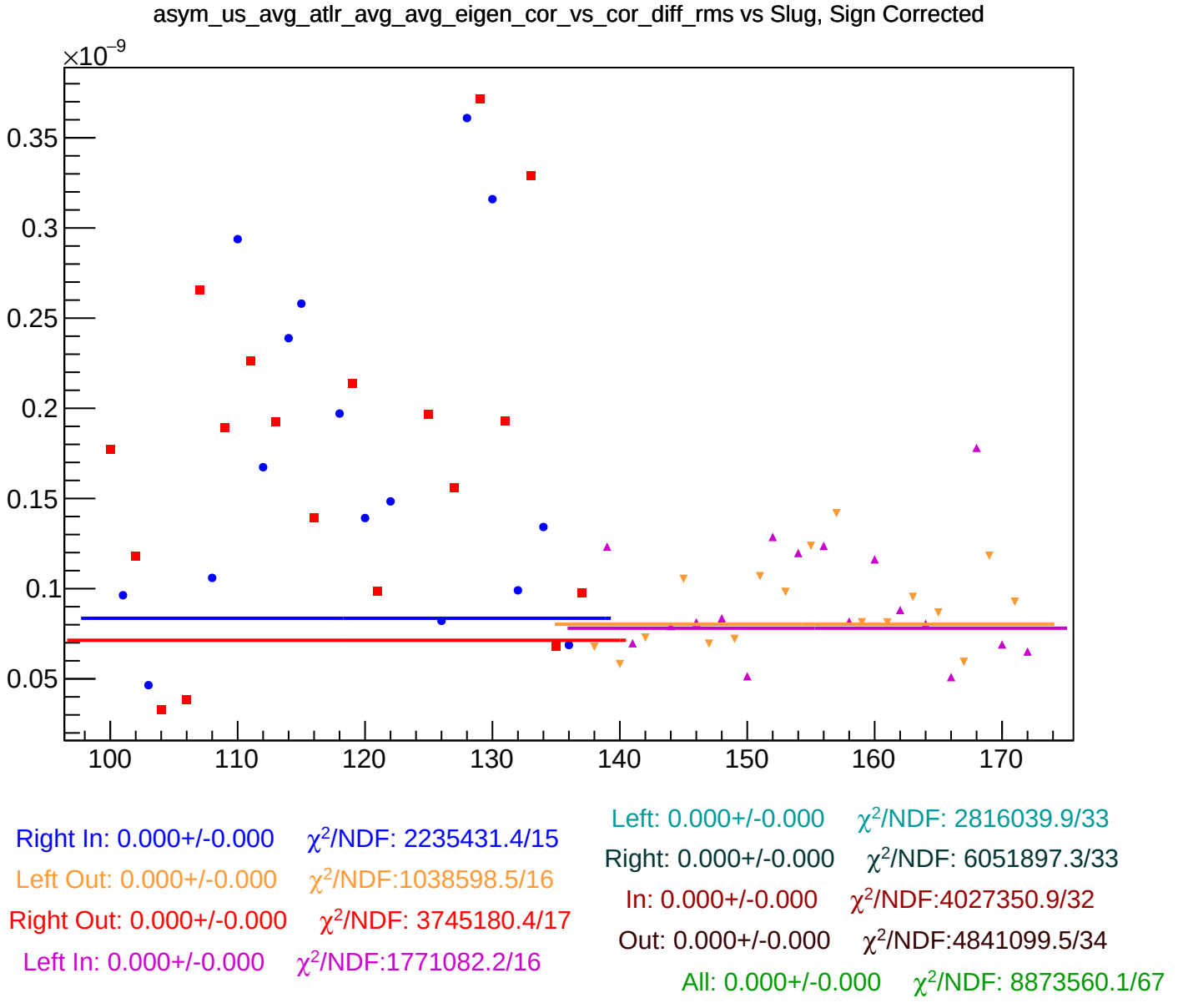
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

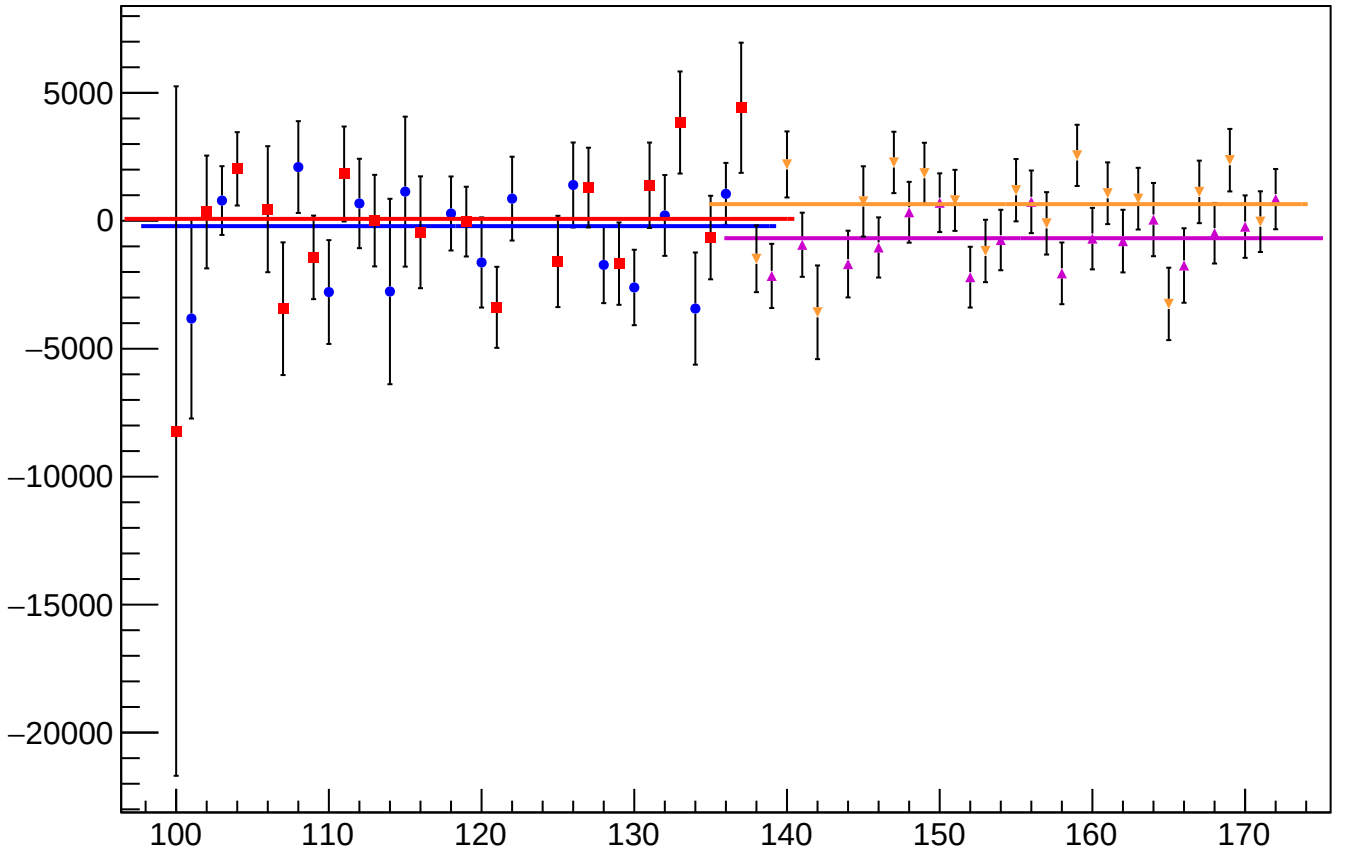
In: 278.456+/-0.046 χ^2/NDF:3825596.1/32

Out: 272.583+/-0.047 χ^2/NDF:5036964.0/34

All: 275.577+/-0.033 χ^2/NDF: 8870630.7/67


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 17.2/15
Left Out: 0.000+/-0.000 χ²/NDF:17.2/16
Right Out: -0.000+/-0.000 χ²/NDF: 25.8/17
Left In: -0.000+/-0.000 χ²/NDF:13.0/16
Left: -0.000+/-0.000 χ²/NDF: 30.6/33
Right: -0.000+/-0.000 χ²/NDF: 43.7/33
In: -0.000+/-0.000 χ²/NDF:30.3/32
Out: -0.000+/-0.000 χ²/NDF:46.5/34
All: -0.000+/-0.000 χ²/NDF: 76.8/67


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:1038598.5/16
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: 2816039.9/33
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:4841099.5/34
All: 0.000+/-0.000 χ²/NDF: 8873560.1/67



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 651.133+/-304.793 χ^2/NDF:27.9/16

Right Out: 75.616+/-430.760 χ^2/NDF: 20.7/17

Left In: -680.089+/-298.051 χ^2/NDF:11.3/16

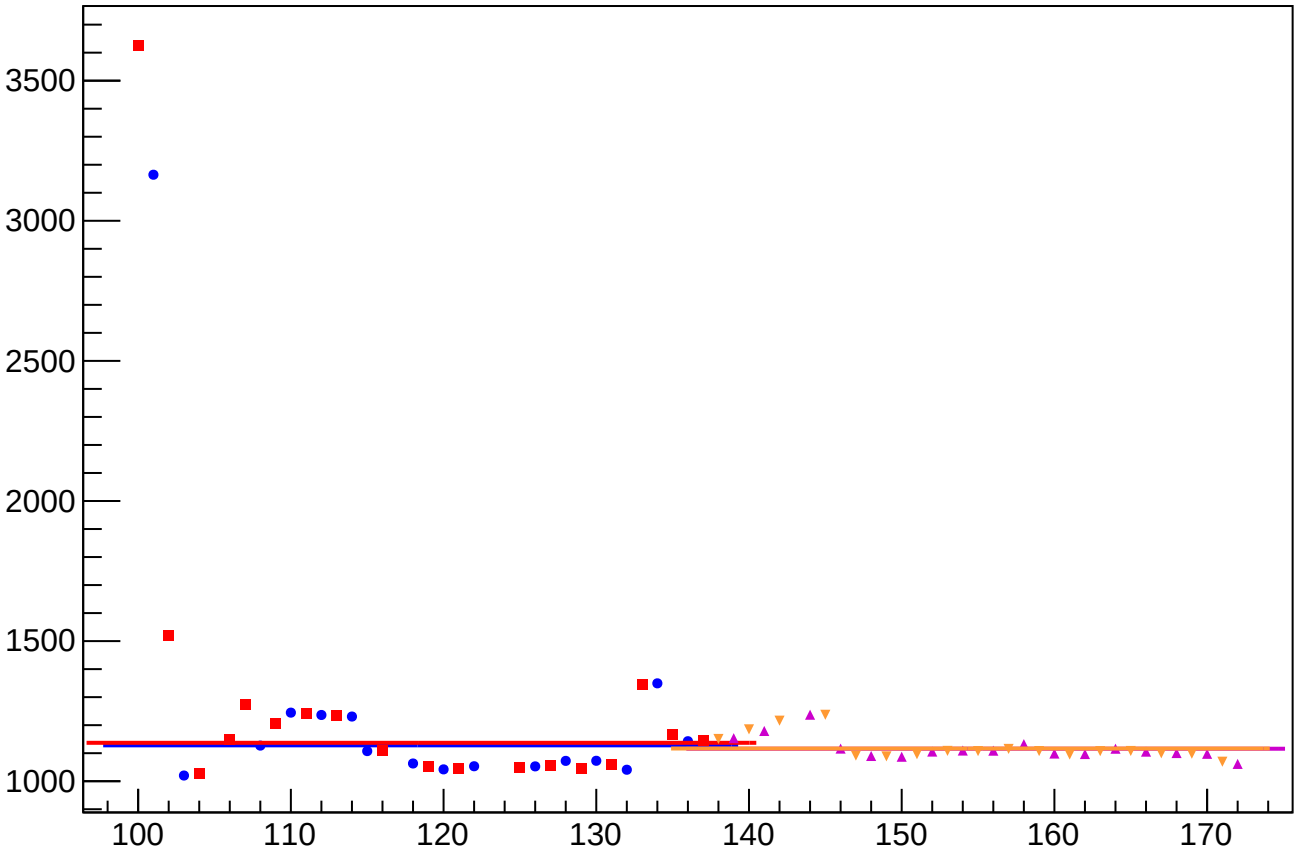
Left: -29.363+/-213.098 χ^2/NDF: 49.0/33

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -526.585+/-244.803 χ^2/NDF:26.8/32

Out: 459.127+/-248.808 χ^2/NDF:49.8/34

All: -41.727+/-174.501 χ^2/NDF: 84.6/67



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1116.726+/-0.216 χ^2/NDF:35987.0/16

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1115.894+/-0.211 χ^2/NDF:33061.3/16

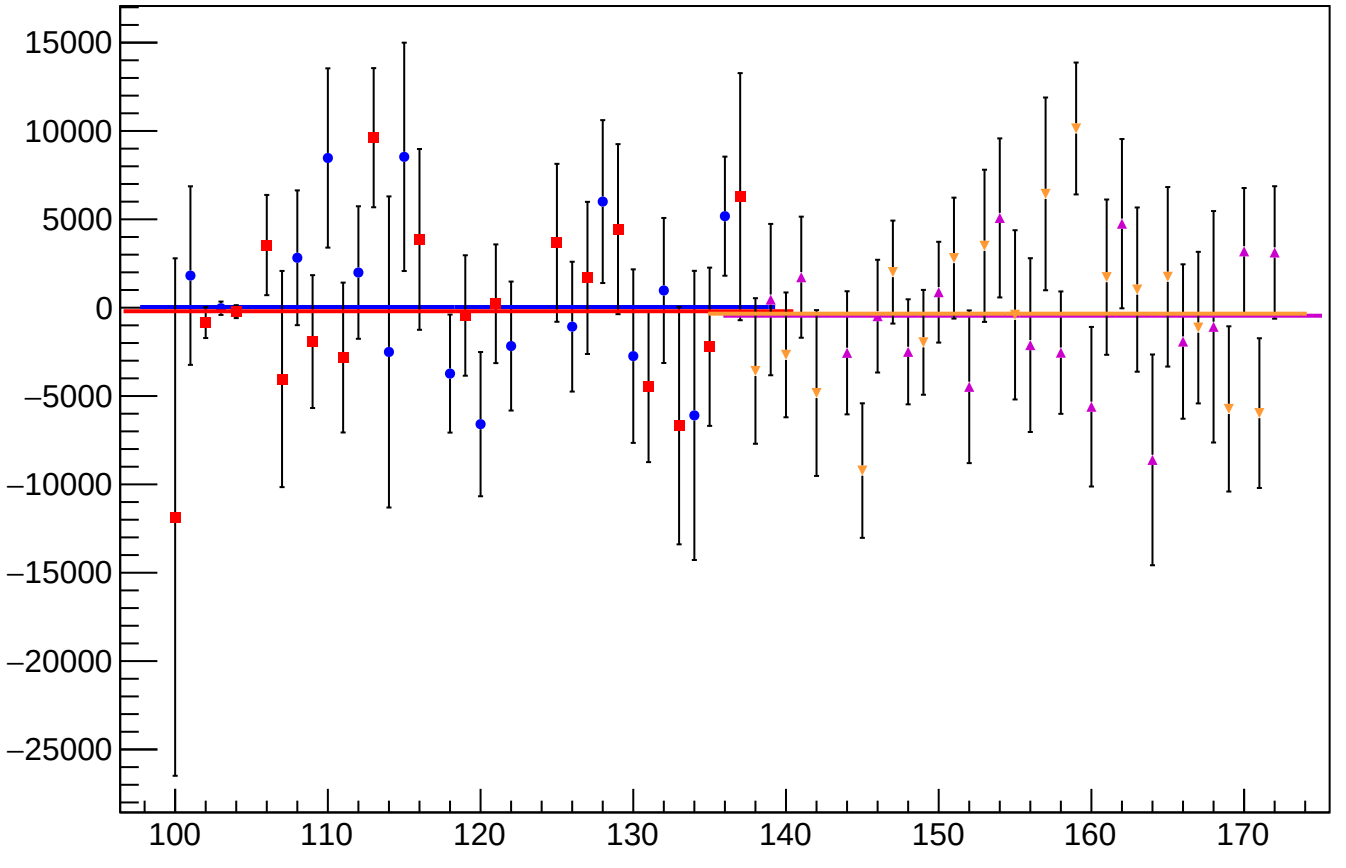
Left: 1116.301+/-0.151 χ^2/NDF: 69055.9/33

Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1119.836+/-0.173 χ^2/NDF:655530.7/32

Out: 1123.520+/-0.176 χ^2/NDF:259044.5/34

All: 1121.649+/-0.123 χ^2/NDF: 914798.1/67



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -339.544+/-968.602 χ^2/NDF:23.0/16

Right Out: -201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: -455.071+/-940.862 χ^2/NDF:10.8/16

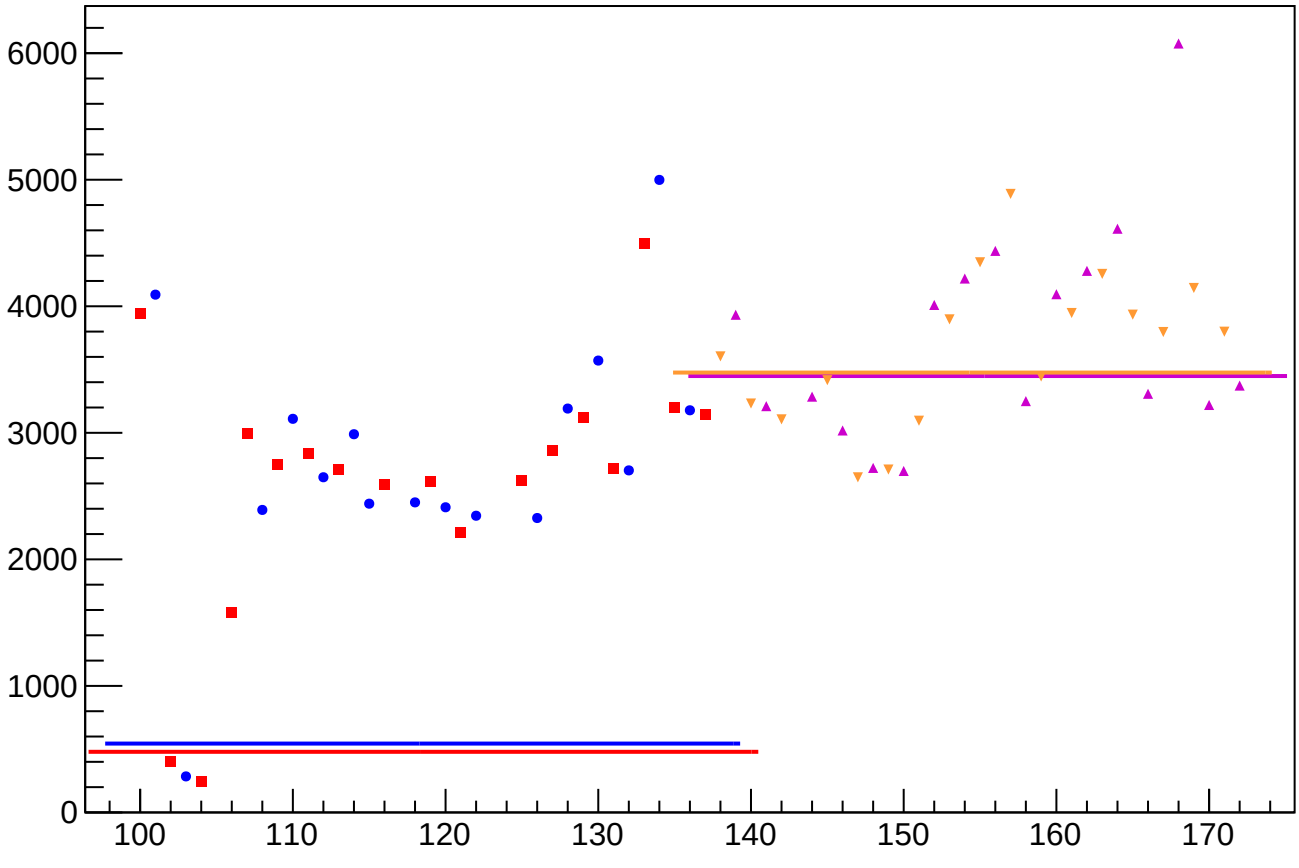
Left: -398.986+/-674.884 χ^2/NDF: 33.8/33

Right: -94.022+/-239.526 χ^2/NDF: 30.7/33

In: -23.991+/-334.312 χ^2/NDF:25.9/32

Out: -215.407+/-306.024 χ^2/NDF:38.7/34

All: -128.139+/-225.731 χ^2/NDF: 64.7/67



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3476.207+/-0.685 χ^2/NDF:722591.7/16

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3448.797+/-0.665 χ^2/NDF:1023824.5/16

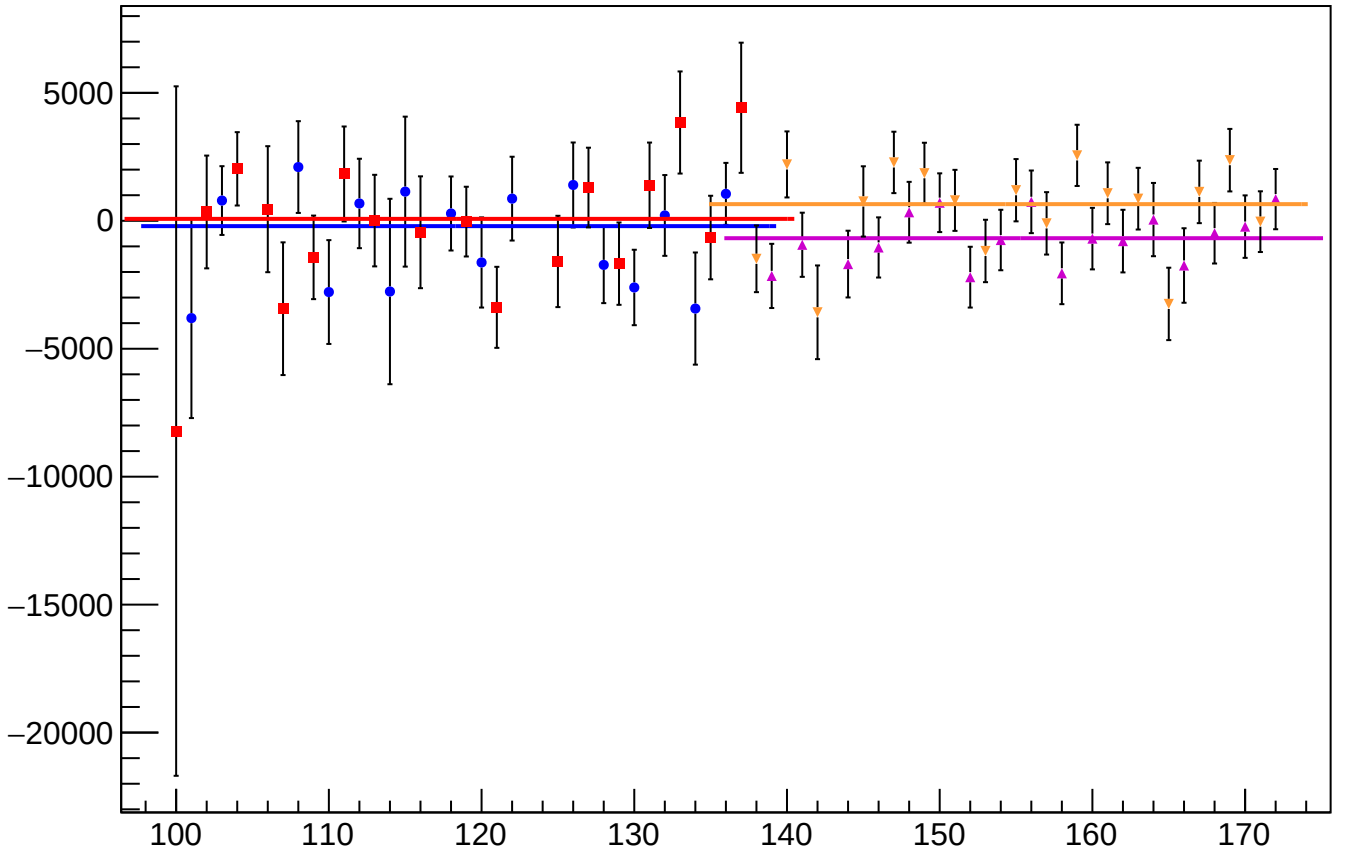
Left: 3462.104+/-0.477 χ^2/NDF: 1747240.3/33

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 911.042+/-0.236 χ^2/NDF:27359838.8/32

Out: 778.410+/-0.216 χ^2/NDF:27146271.7/34

All: 838.878+/-0.160 χ^2/NDF: 54677385.7/67



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 651.194+/-304.793 χ^2/NDF:28.0/16

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -680.081+/-298.051 χ^2/NDF:11.3/16

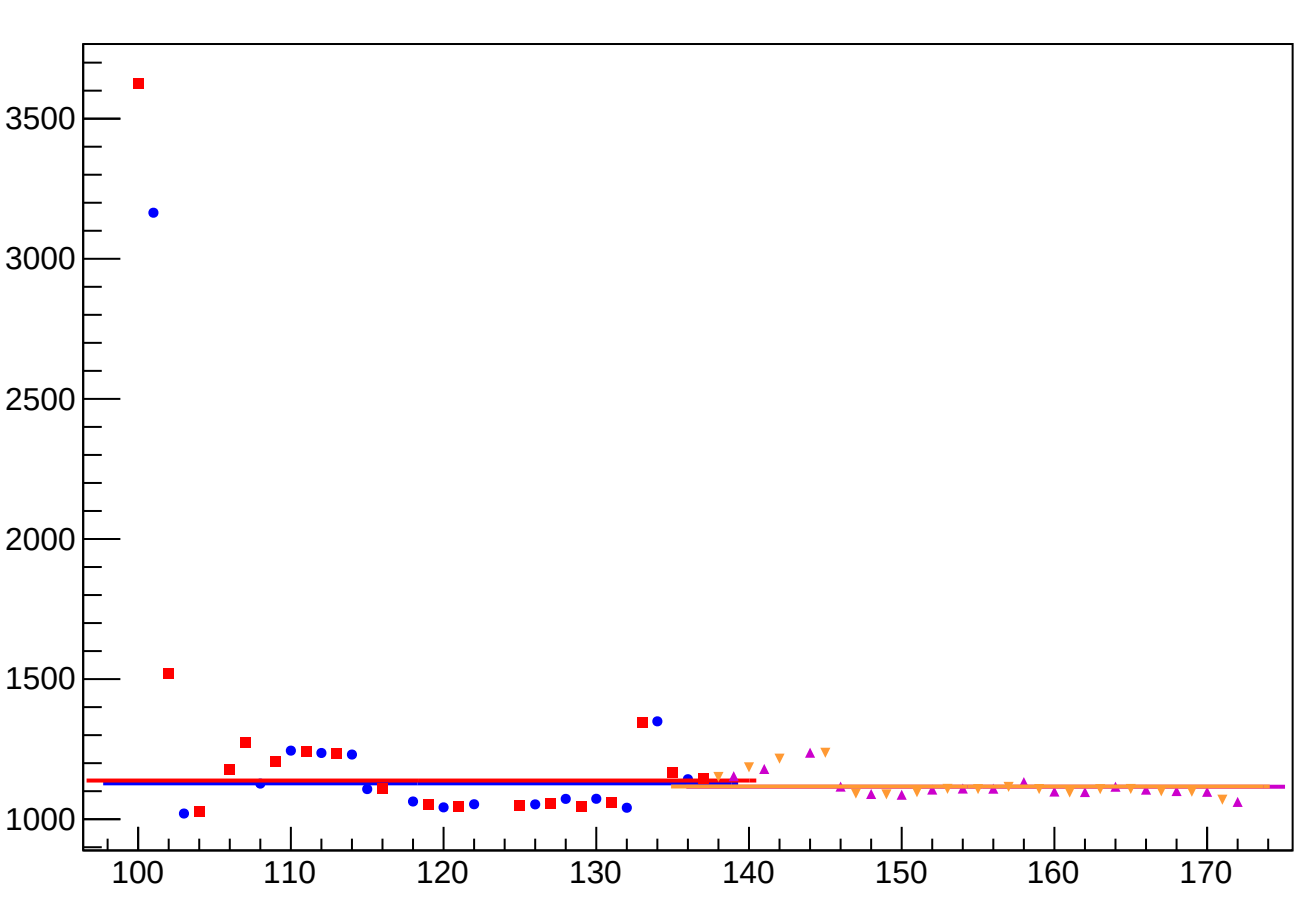
Left: -29.330+/-213.098 χ^2/NDF: 49.0/33

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -526.506+/-244.803 χ^2/NDF:26.8/32

Out: 459.216+/-248.808 χ^2/NDF:49.8/34

All: -41.642+/-174.501 χ^2/NDF: 84.6/67



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1116.726+/-0.216 χ^2/NDF:35987.0/16

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1115.894+/-0.211 χ^2/NDF:33061.3/16

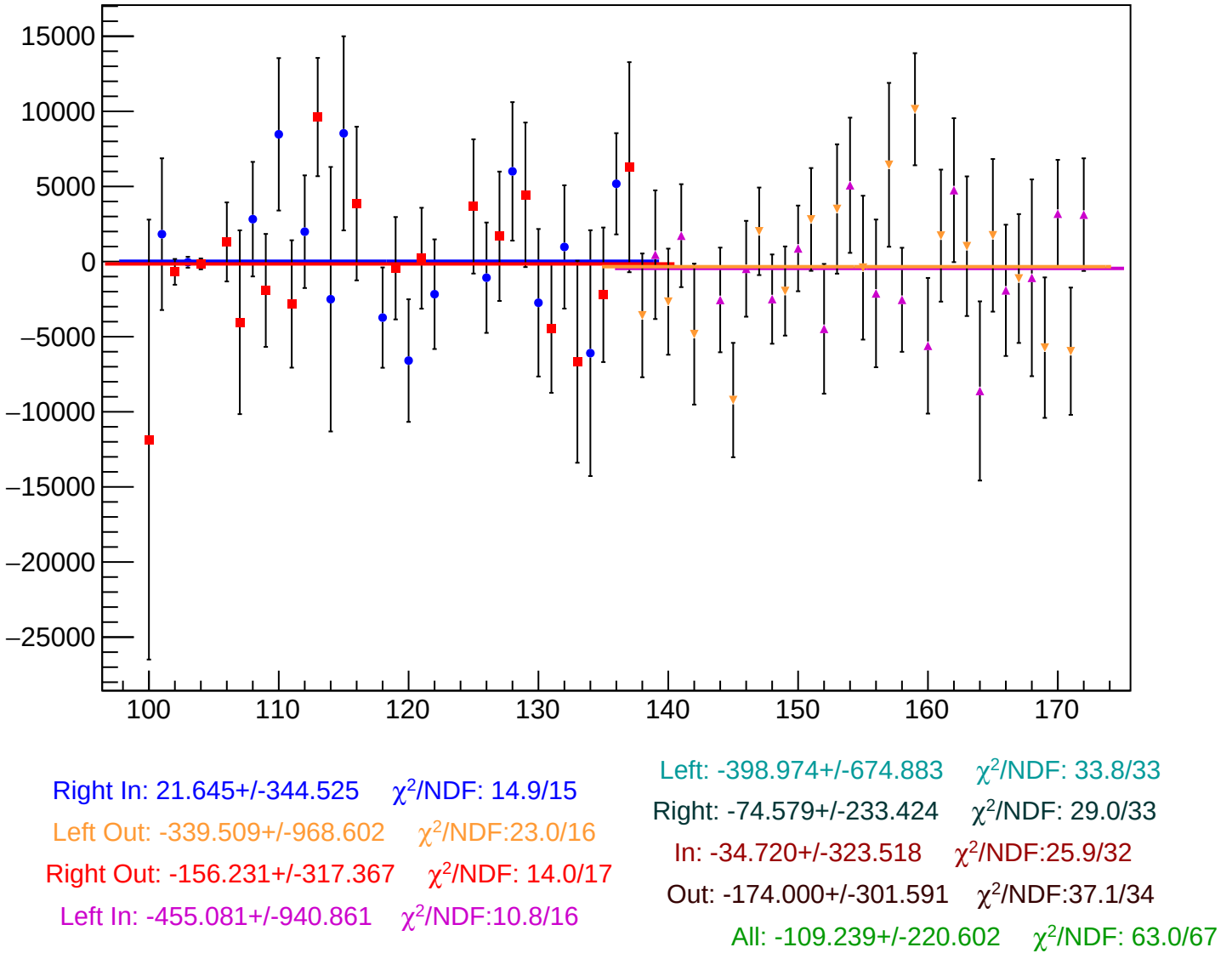
Left: 1116.301+/-0.151 χ^2/NDF: 69055.9/33

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1119.836+/-0.173 χ^2/NDF:655531.8/32

Out: 1123.829+/-0.176 χ^2/NDF:259864.3/34

All: 1121.800+/-0.123 χ^2/NDF: 915657.9/67


asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
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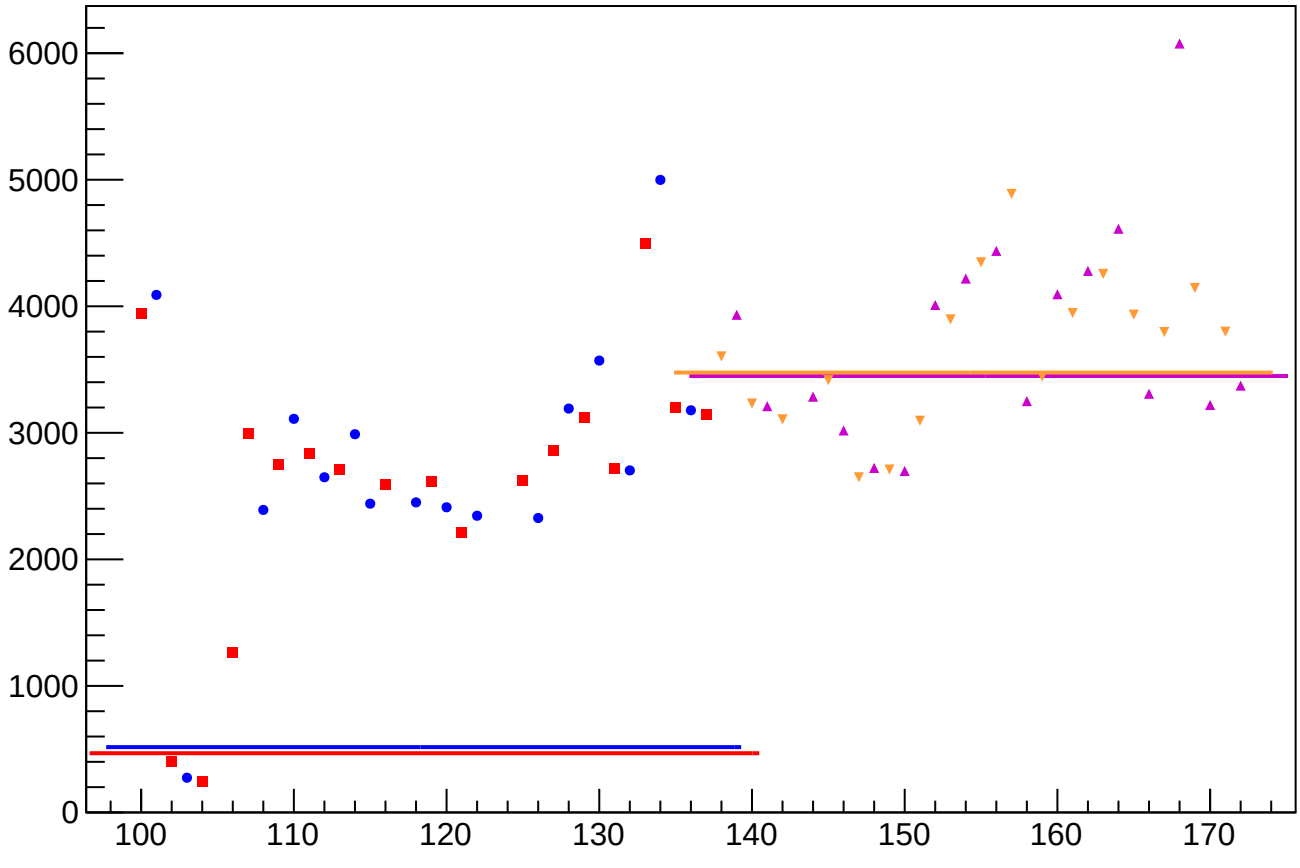
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: -339.509+/-968.602 χ²/NDF:23.0/16
Right Out: -156.231+/-317.367 χ²/NDF: 14.0/17
Left In: -455.081+/-940.861 χ²/NDF:10.8/16
Left: -398.974+/-674.883 χ²/NDF: 33.8/33
Right: -74.579+/-233.424 χ²/NDF: 29.0/33
In: -34.720+/-323.518 χ²/NDF:25.9/32
Out: -174.000+/-301.591 χ²/NDF:37.1/34
All: -109.239+/-220.602 χ²/NDF: 63.0/67



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3476.207+/-0.685 χ^2/NDF:722598.1/16

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3448.795+/-0.665 χ^2/NDF:1023830.4/16

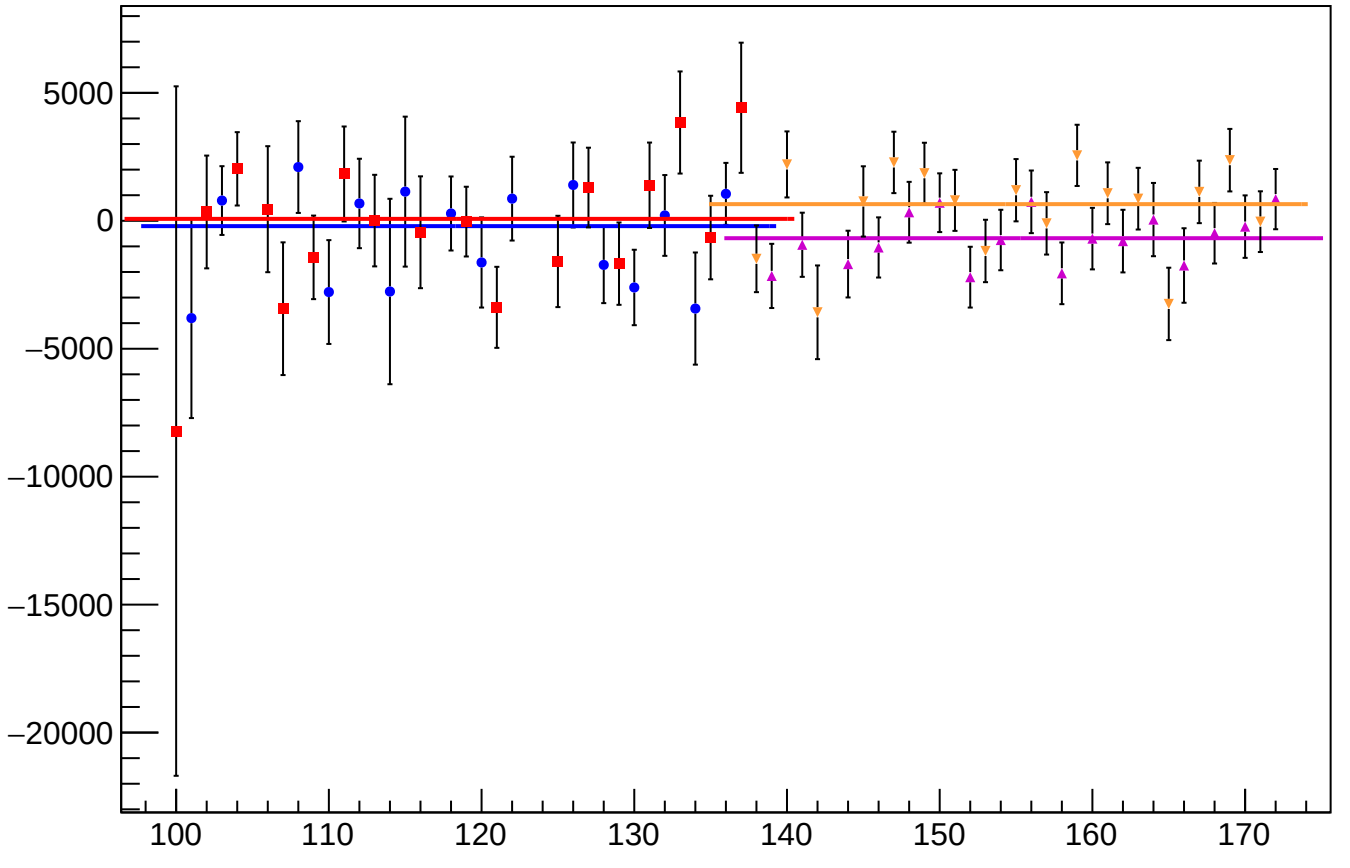
Left: 3462.102+/-0.477 χ^2/NDF: 1747252.7/33

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 863.019+/-0.229 χ^2/NDF:27990471.3/32

Out: 759.698+/-0.213 χ^2/NDF:27253875.9/34

All: 807.739+/-0.156 χ^2/NDF: 55353489.9/67



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 651.194+/-304.793 χ^2/NDF:28.0/16

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -680.081+/-298.051 χ^2/NDF:11.3/16

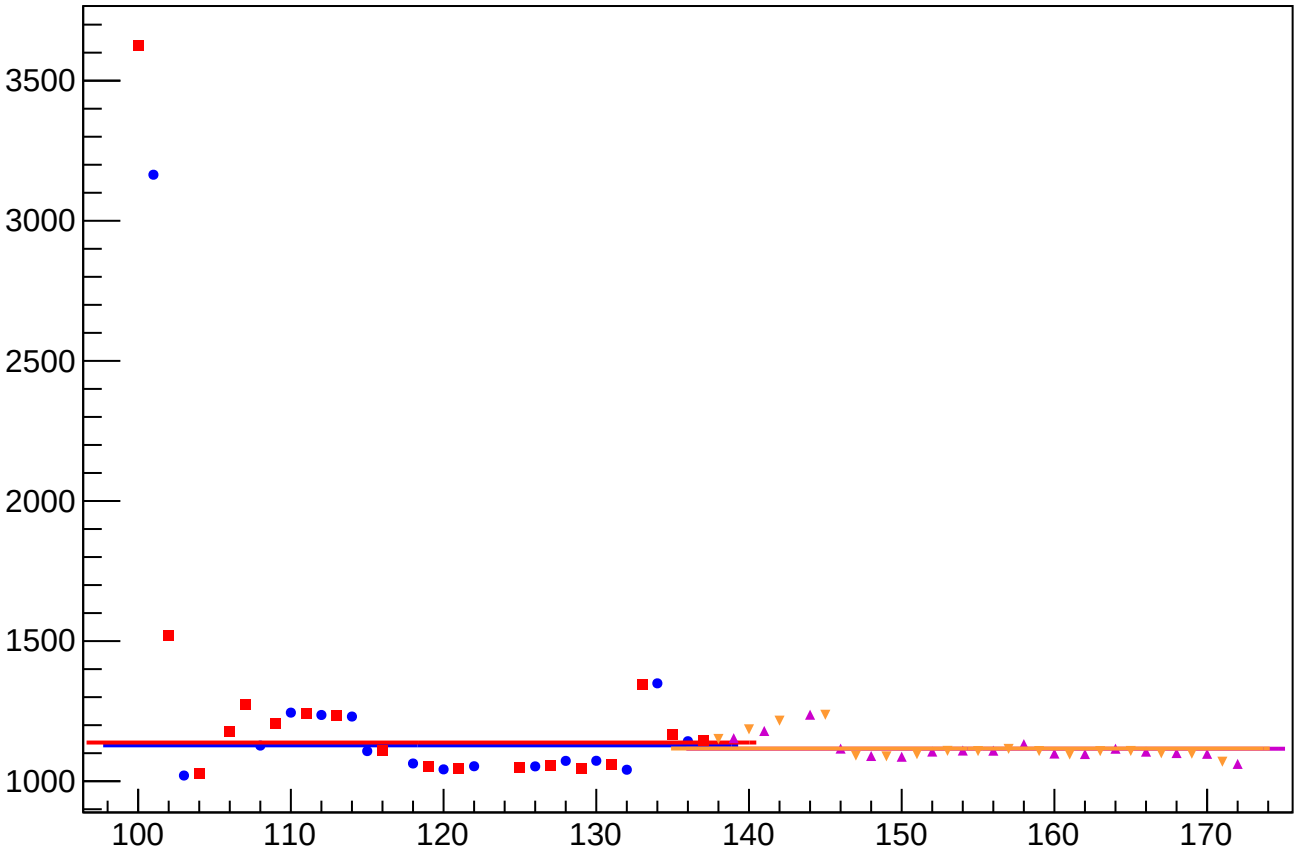
Left: -29.330+/-213.098 χ^2/NDF: 49.0/33

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -526.506+/-244.803 χ^2/NDF:26.8/32

Out: 459.216+/-248.808 χ^2/NDF:49.8/34

All: -41.642+/-174.501 χ^2/NDF: 84.6/67



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1116.726+/-0.216 χ^2/NDF:35987.0/16

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1115.894+/-0.211 χ^2/NDF:33061.3/16

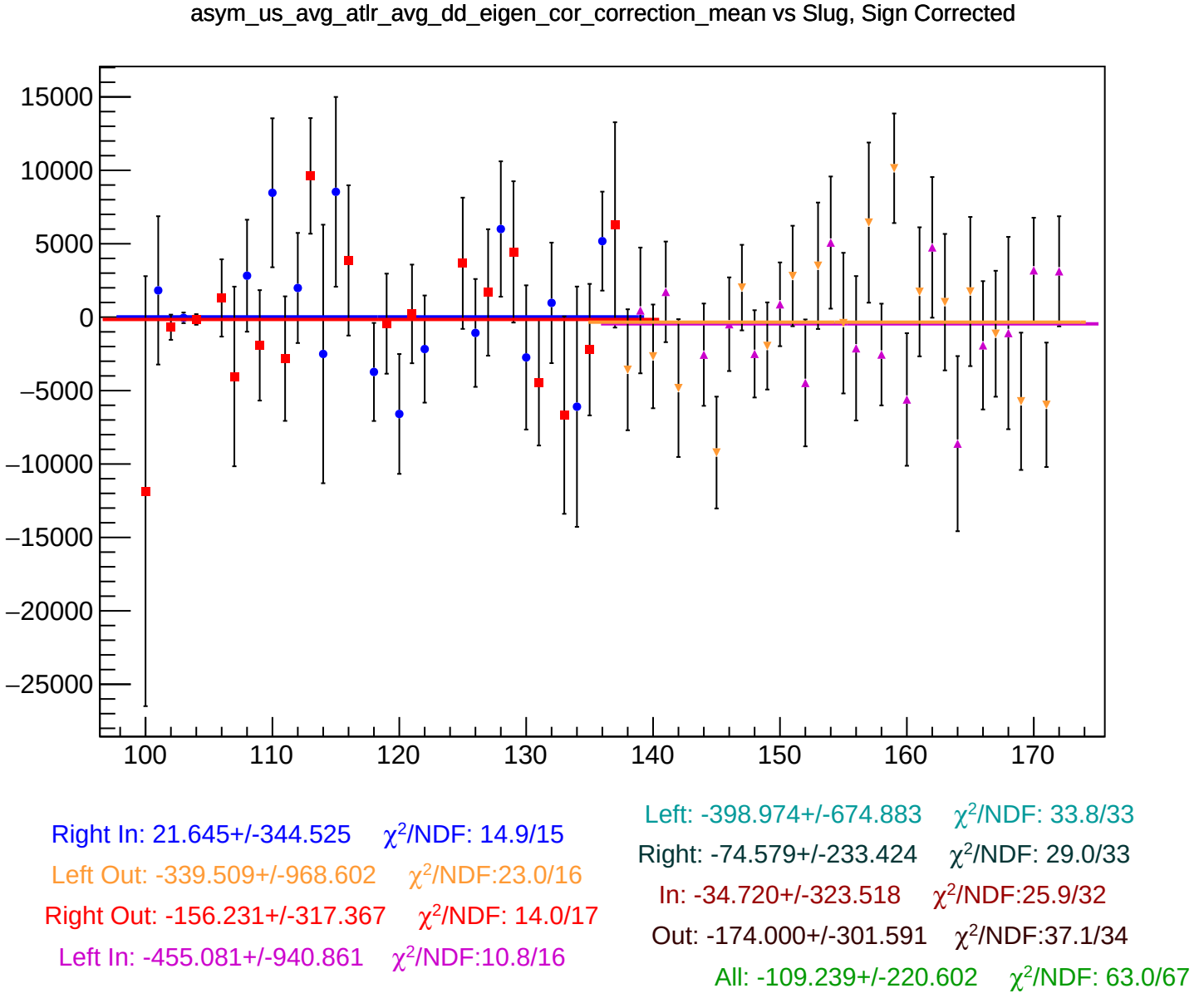
Left: 1116.301+/-0.151 χ^2/NDF: 69055.9/33

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1119.836+/-0.173 χ^2/NDF:655531.8/32

Out: 1123.829+/-0.176 χ^2/NDF:259864.3/34

All: 1121.800+/-0.123 χ^2/NDF: 915657.9/67


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
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−5000
−10000
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−25000
100
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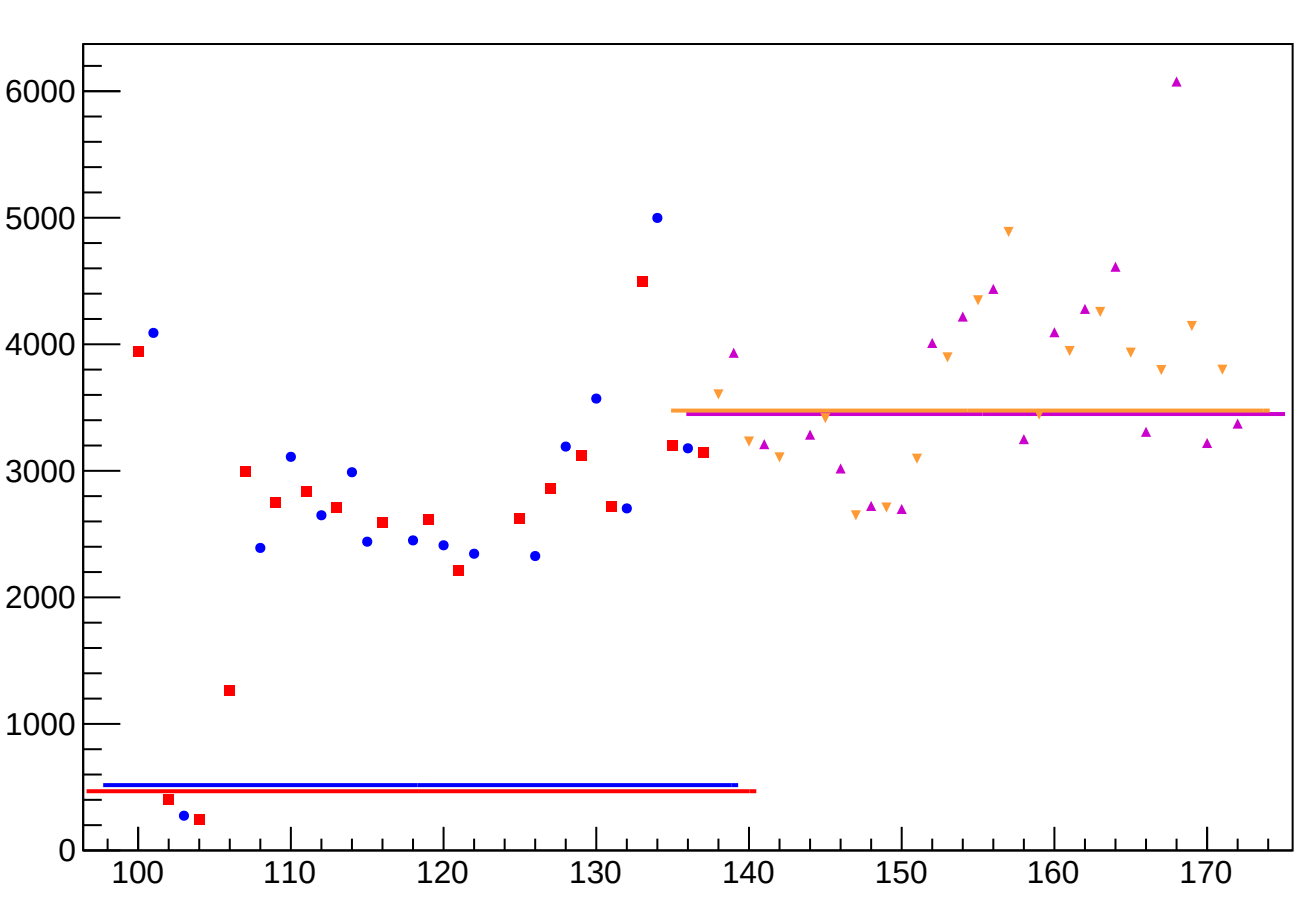
120
130
140
150
160
170
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: -339.509+/-968.602 χ²/NDF:23.0/16
Right Out: -156.231+/-317.367 χ²/NDF: 14.0/17
Left In: -455.081+/-940.861 χ²/NDF:10.8/16
Left: -398.974+/-674.883 χ²/NDF: 33.8/33
Right: -74.579+/-233.424 χ²/NDF: 29.0/33
In: -34.720+/-323.518 χ²/NDF:25.9/32
Out: -174.000+/-301.591 χ²/NDF:37.1/34
All: -109.239+/-220.602 χ²/NDF: 63.0/67



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3476.207+/-0.685 χ^2/NDF:722598.1/16

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3448.795+/-0.665 χ^2/NDF:1023830.4/16

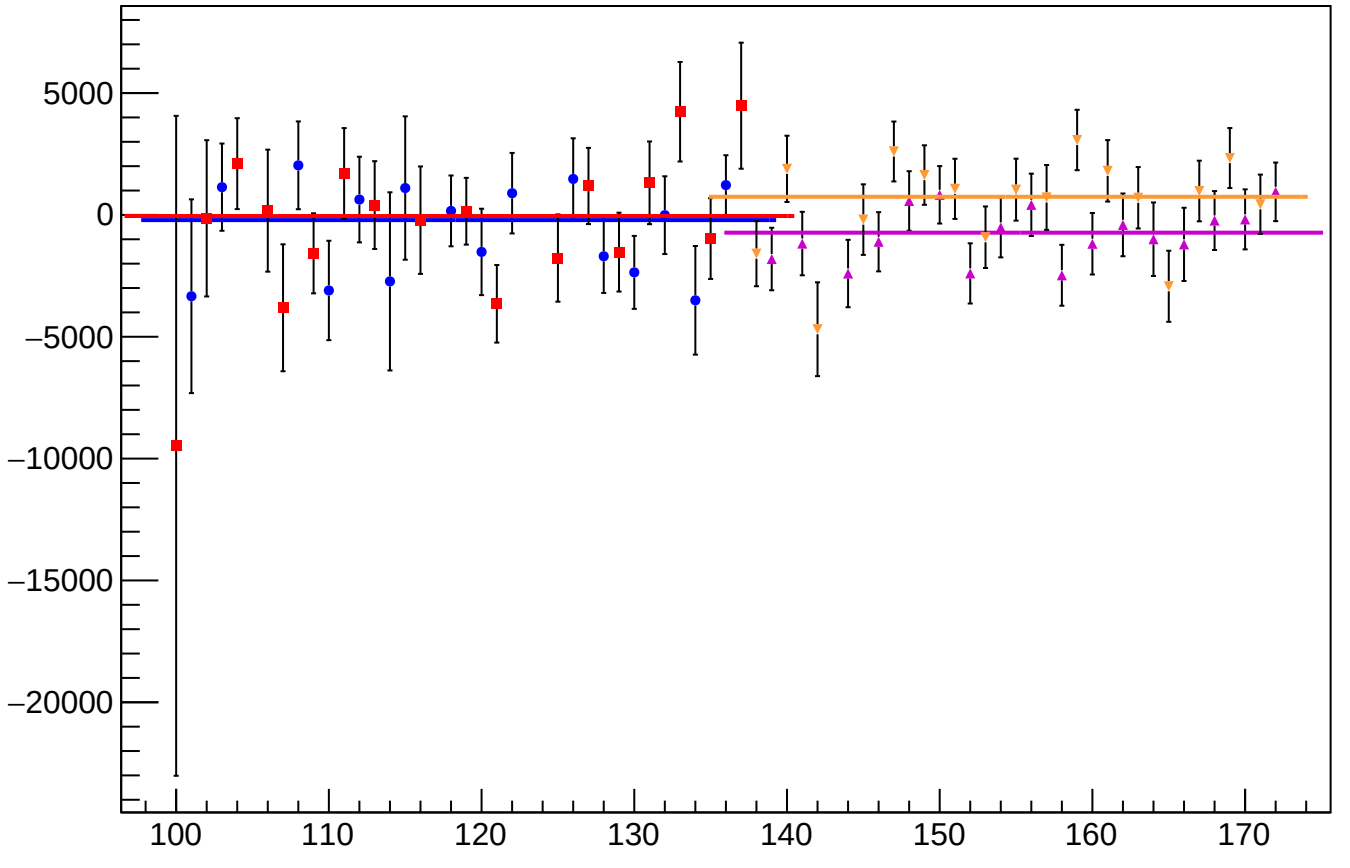
Left: 3462.102+/-0.477 χ^2/NDF: 1747252.7/33

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 863.019+/-0.229 χ^2/NDF:27990471.3/32

Out: 759.698+/-0.213 χ^2/NDF:27253875.9/34

All: 807.739+/-0.156 χ^2/NDF: 55353489.9/67



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 744.171+/-316.078 χ^2/NDF:29.2/16

Right Out: -45.535+/-447.221 χ^2/NDF: 21.7/17

Left In: -728.313+/-308.456 χ^2/NDF:12.5/16

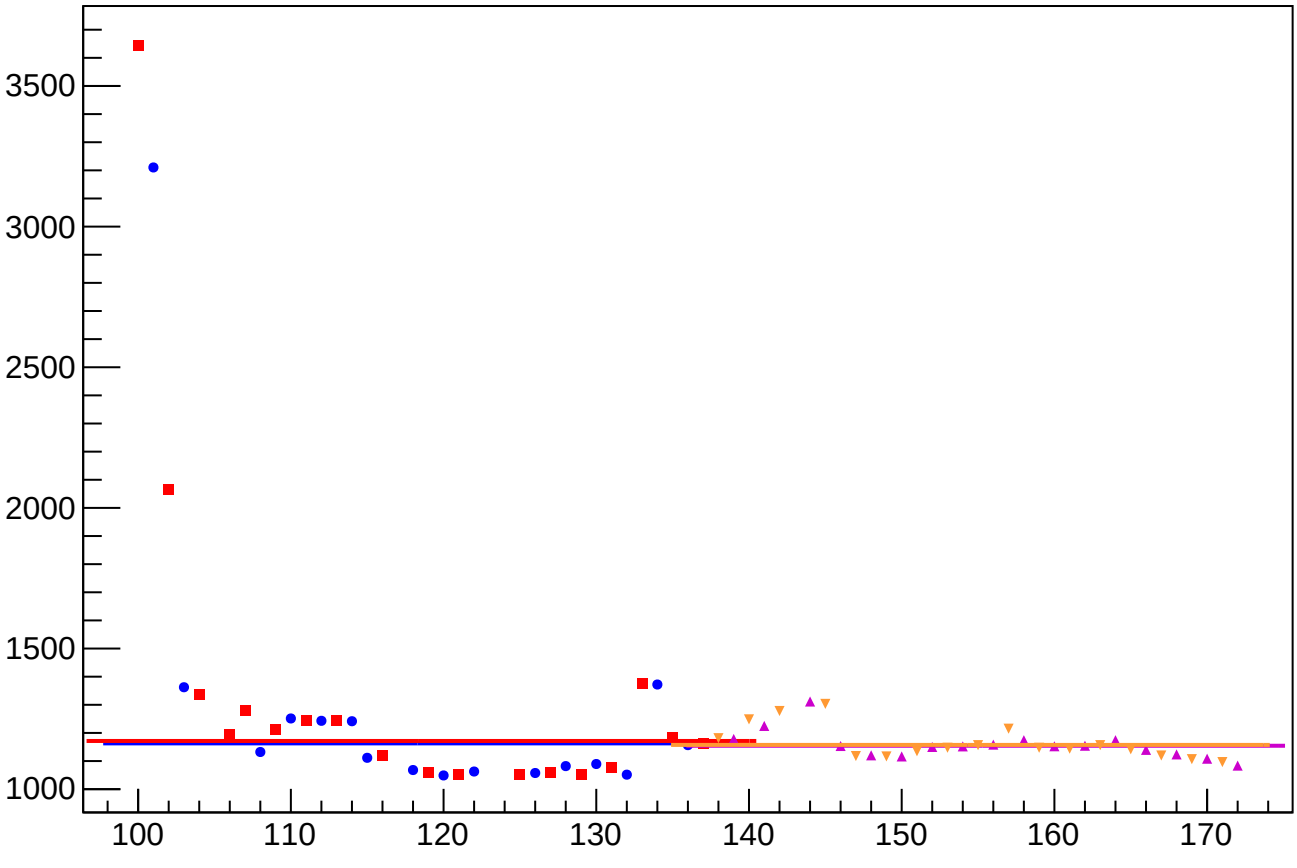
Left: -10.039+/-220.757 χ^2/NDF: 52.8/33

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -559.919+/-253.079 χ^2/NDF:27.8/32

Out: 481.107+/-258.119 χ^2/NDF:52.9/34

All: -49.669+/-180.709 χ^2/NDF: 89.0/67



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1157.410+/-0.224 χ^2/NDF:57431.6/16

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1154.413+/-0.218 χ^2/NDF:48162.4/16

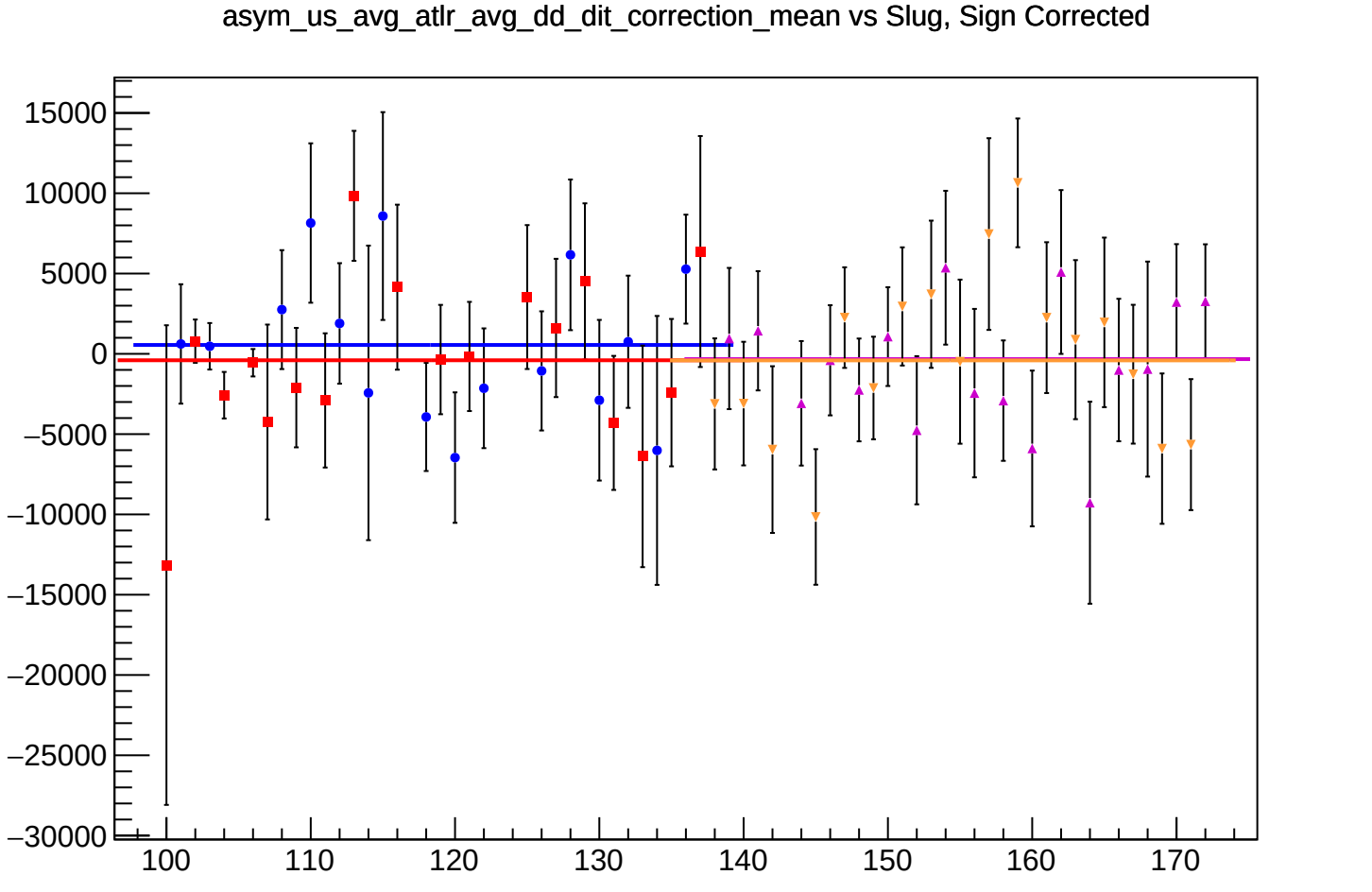
Left: 1155.875+/-0.156 χ^2/NDF: 105686.0/33

Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1157.171+/-0.179 χ^2/NDF:684005.0/32

Out: 1162.080+/-0.182 χ^2/NDF:390382.3/34

All: 1159.577+/-0.128 χ^2/NDF: 1074756.1/67



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -406.921+/-1024.949 χ^2/NDF:23.1/16

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -328.636+/-993.844 χ^2/NDF:10.8/16

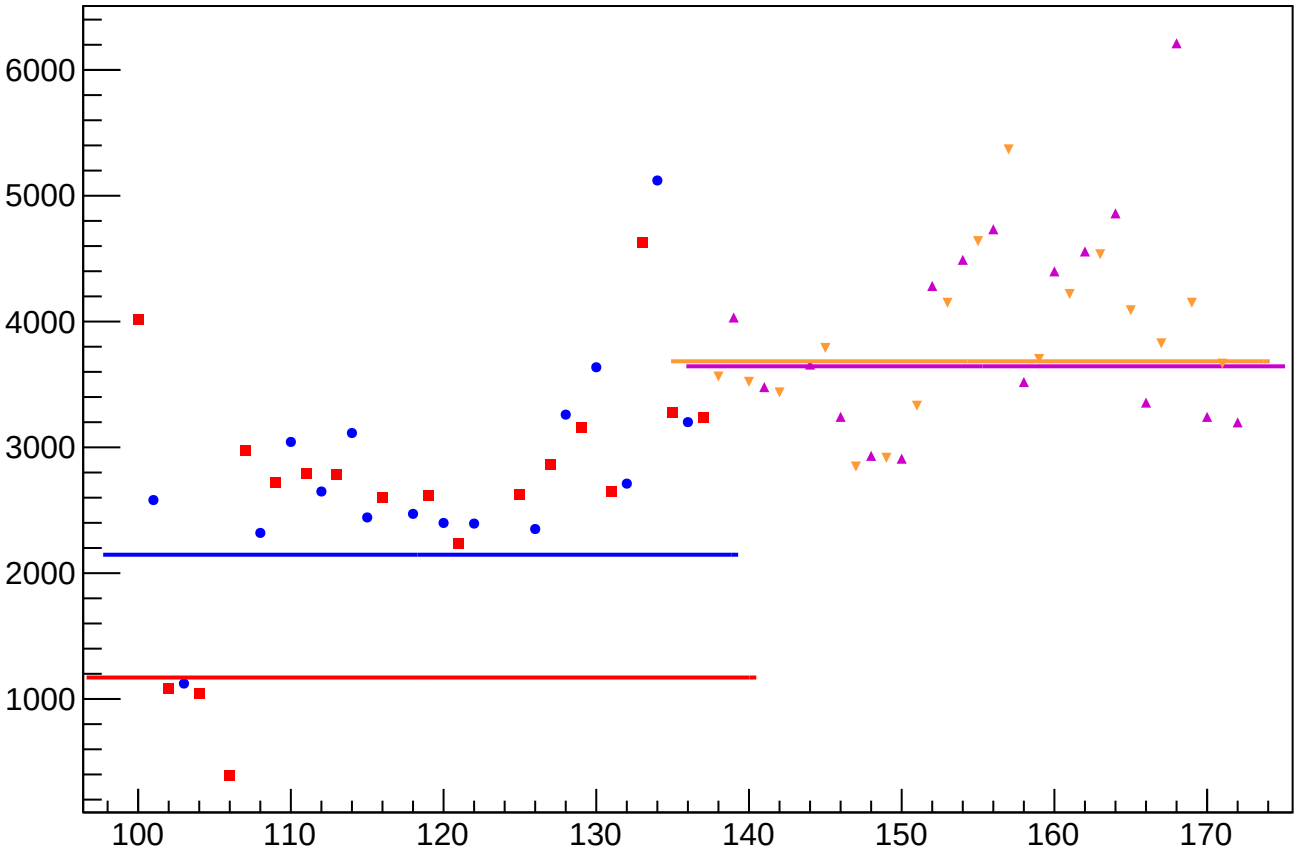
Left: -366.573+/-713.497 χ^2/NDF: 33.9/33

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: 168.182+/-656.369 χ^2/NDF:25.7/32

Out: -401.948+/-495.386 χ^2/NDF:39.7/34

All: -195.044+/-395.408 χ^2/NDF: 65.9/67



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3684.242+/-0.725 χ^2/NDF:655975.9/16

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3644.148+/-0.703 χ^2/NDF:994960.4/16

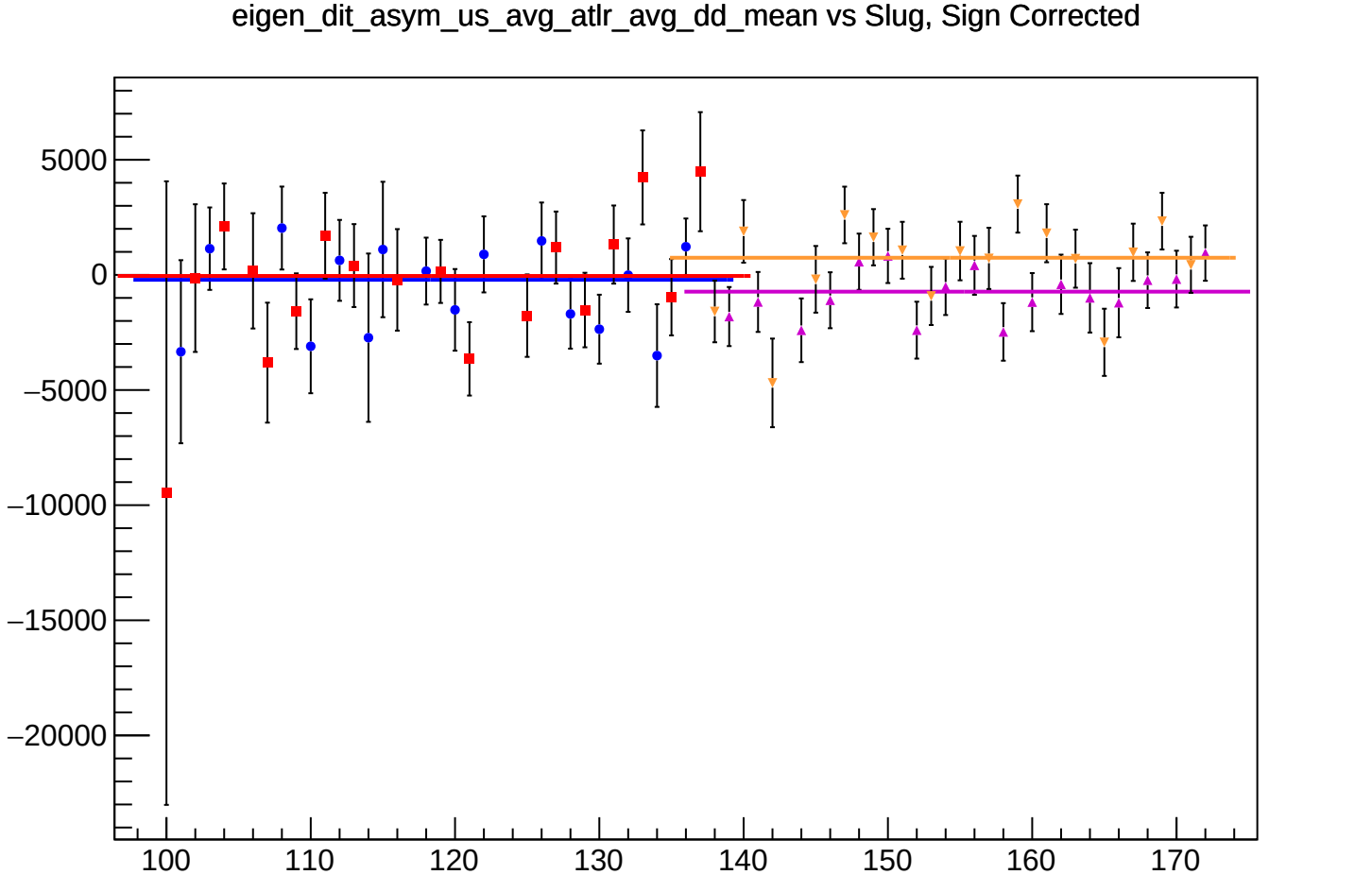
Left: 3663.578+/-0.505 χ^2/NDF: 1652513.6/33

Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2799.800+/-0.464 χ^2/NDF:5529987.3/32

Out: 1757.780+/-0.350 χ^2/NDF:15692674.3/34

All: 2135.936+/-0.280 χ^2/NDF: 24434026.9/6



Right In: -213.082+/-442.684 χ^2/NDF: 14.3/15

Left Out: 744.171+/-316.078 χ^2/NDF:29.2/16

Right Out: -45.539+/-447.221 χ^2/NDF: 21.7/17

Left In: -728.313+/-308.456 χ^2/NDF:12.5/16

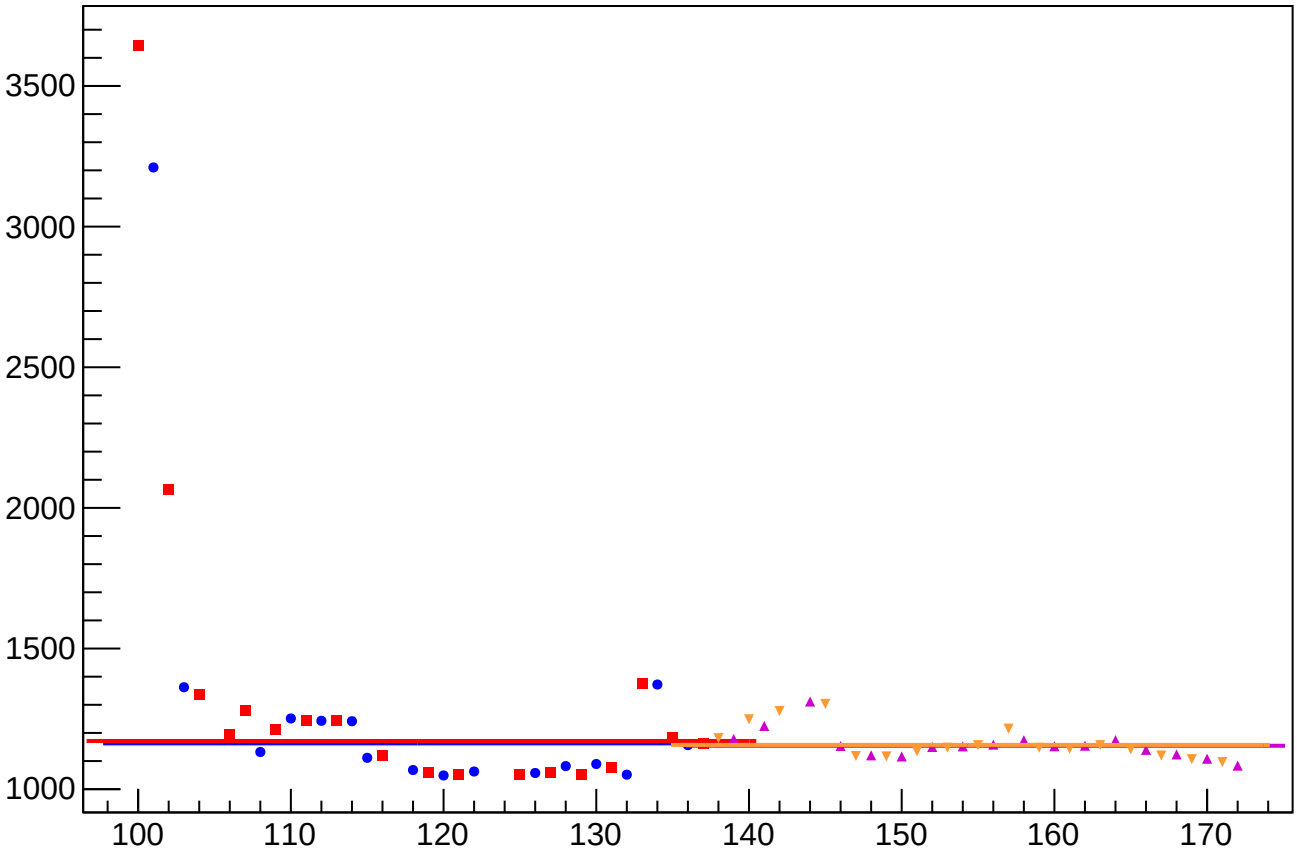
Left: -10.039+/-220.757 χ^2/NDF: 52.8/33

Right: -130.164+/-314.617 χ^2/NDF: 36.1/33

In: -559.919+/-253.079 χ^2/NDF:27.8/32

Out: 481.106+/-258.119 χ^2/NDF:52.9/34

All: -49.670+/-180.709 χ^2/NDF: 89.0/67



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1157.410+/-0.224 χ^2/NDF:57432.6/16

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: 1155.876+/-0.156 χ^2/NDF: 105687.7/33

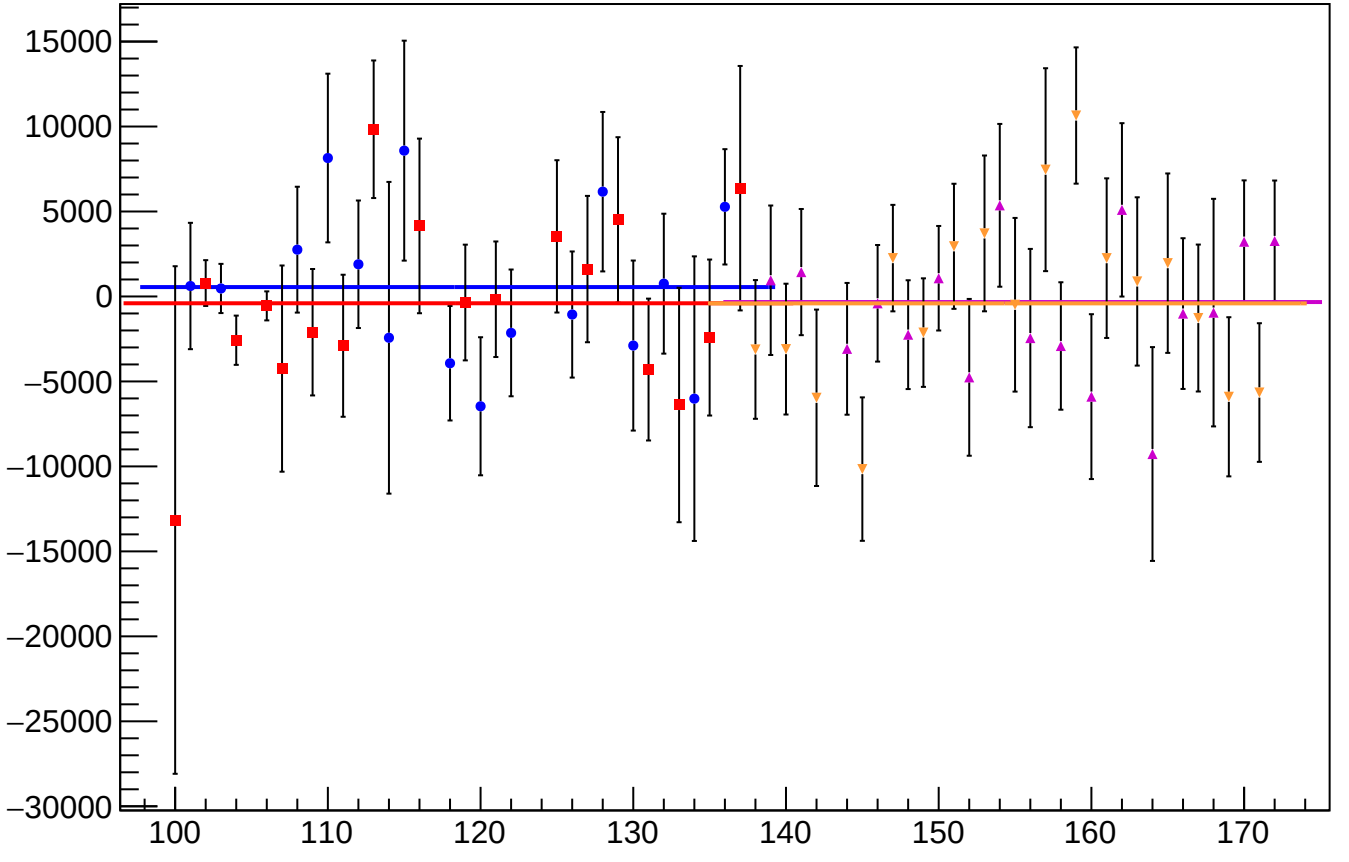
Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1157.172+/-0.179 χ^2/NDF:684005.7/32

Out: 1162.080+/-0.182 χ^2/NDF:390382.8/34

All: 1159.578+/-0.128 χ^2/NDF: 1074757.4/67

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: -406.923+/-1024.950 χ^2/NDF:23.1/16

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -328.634+/-993.845 χ^2/NDF:10.8/16

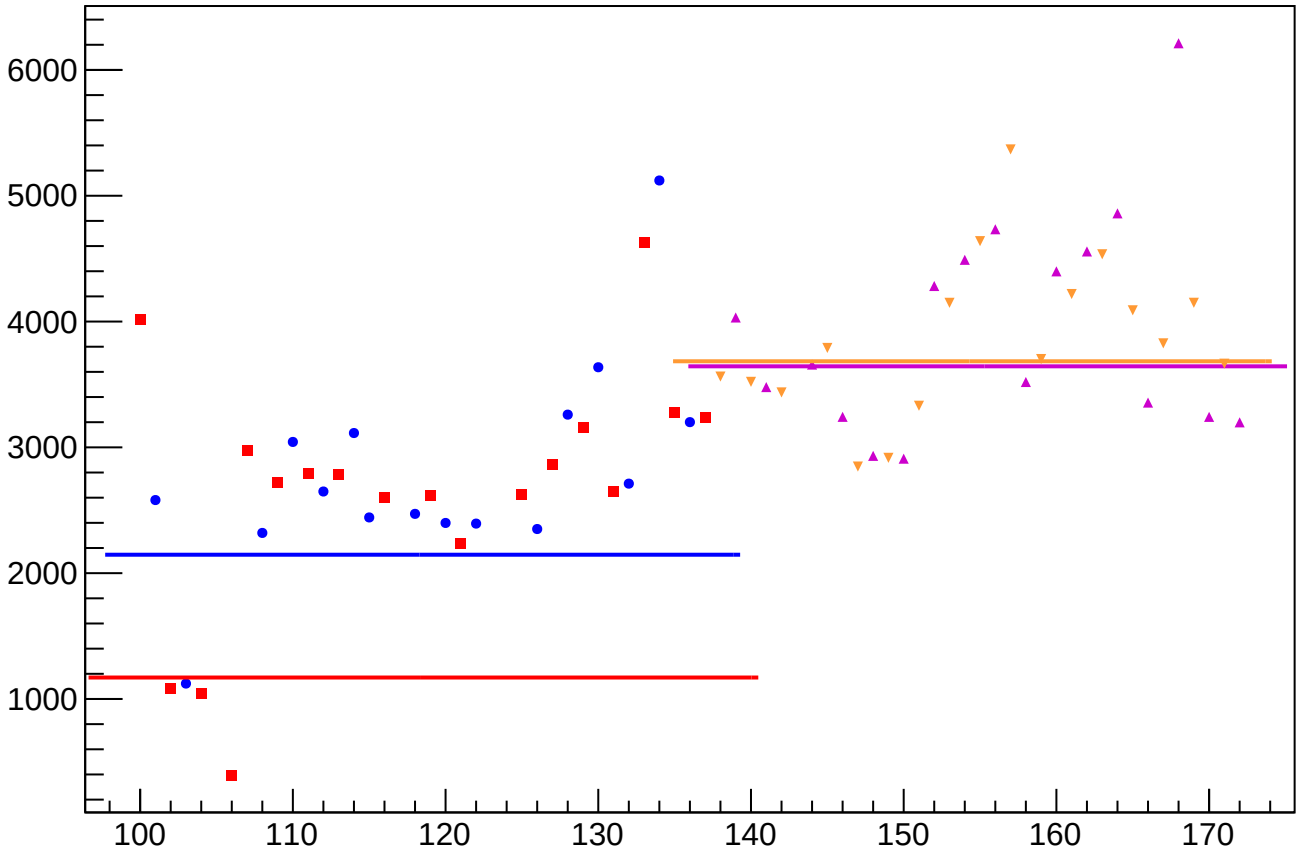
Left: -366.573+/-713.498 χ^2/NDF: 33.9/33

Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: 168.180+/-656.368 χ^2/NDF:25.7/32

Out: -401.949+/-495.381 χ^2/NDF:39.7/34

All: -195.048+/-395.405 χ^2/NDF: 65.9/67



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3684.247+/-0.725 χ^2/NDF:655977.7/16

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3644.153+/-0.703 χ^2/NDF:994962.5/16

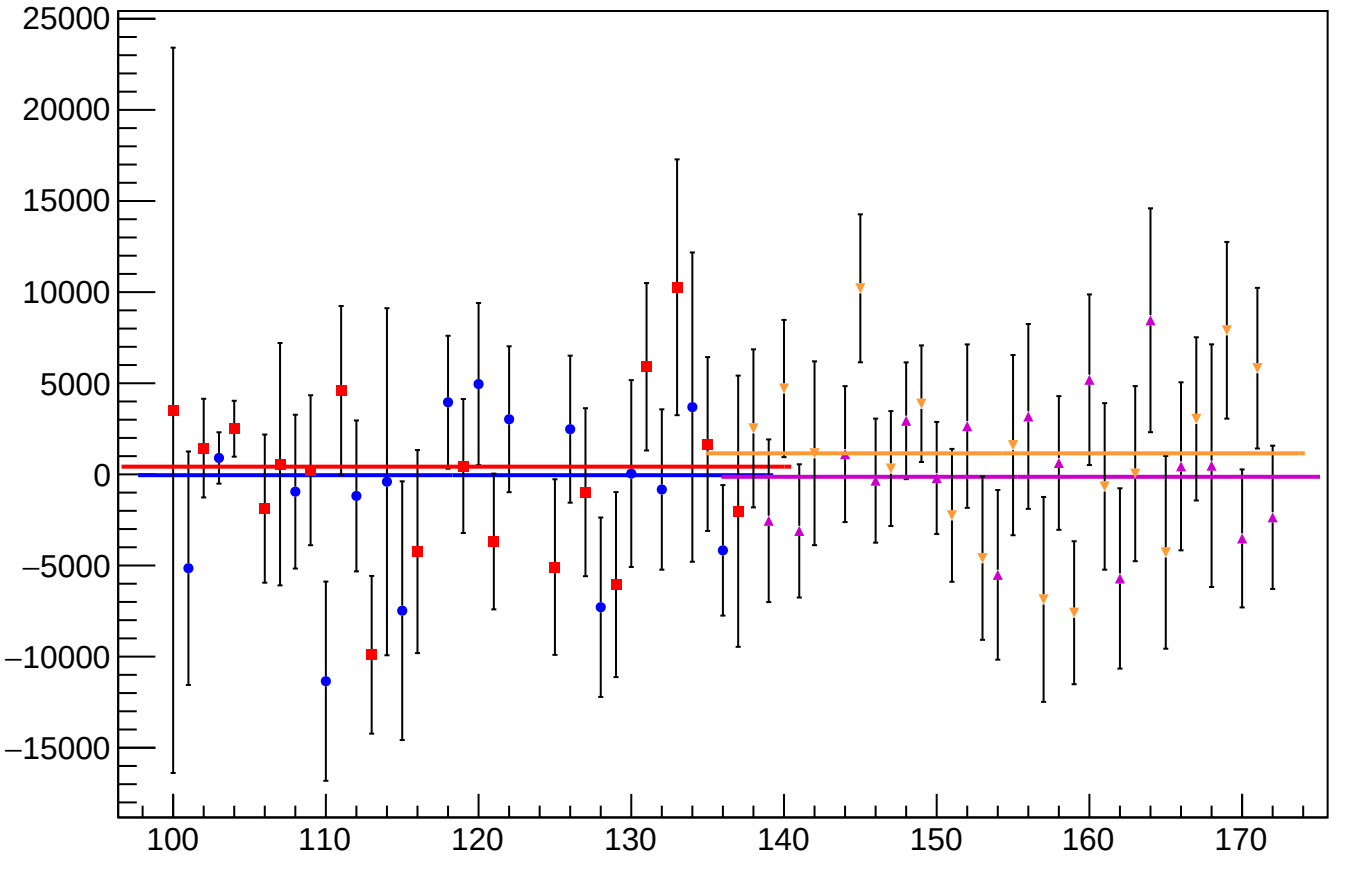
Left: 3663.582+/-0.505 χ^2/NDF: 1652517.5/33

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2799.798+/-0.464 χ^2/NDF:5530010.7/32

Out: 1757.751+/-0.350 χ^2/NDF:15693040.2/34

All: 2135.912+/-0.280 χ^2/NDF: 24434603.2/6



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 1155.902+/-1022.998 χ^2/NDF:20.8/16

Right Out: 423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: -133.366+/-993.828 χ^2/NDF:9.8/16

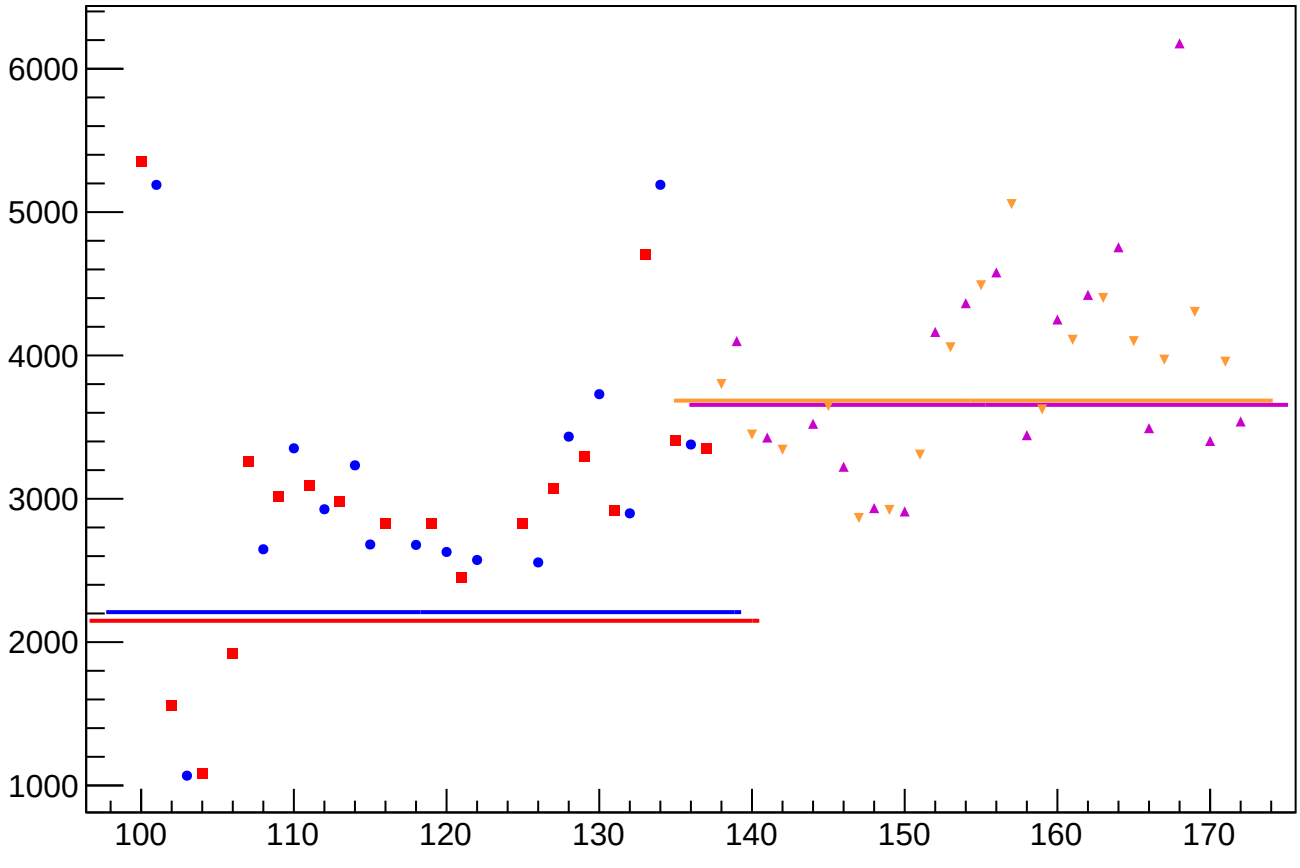
Left: 492.625+/-712.832 χ^2/NDF: 31.5/33

Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: -85.747+/-675.422 χ^2/NDF:23.6/32

Out: 741.725+/-674.335 χ^2/NDF:38.4/34

All: 328.655+/-477.211 χ^2/NDF: 62.8/67



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3684.850+/-0.723 χ^2/NDF:597228.6/16

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3655.242+/-0.703 χ^2/NDF:870224.2/16

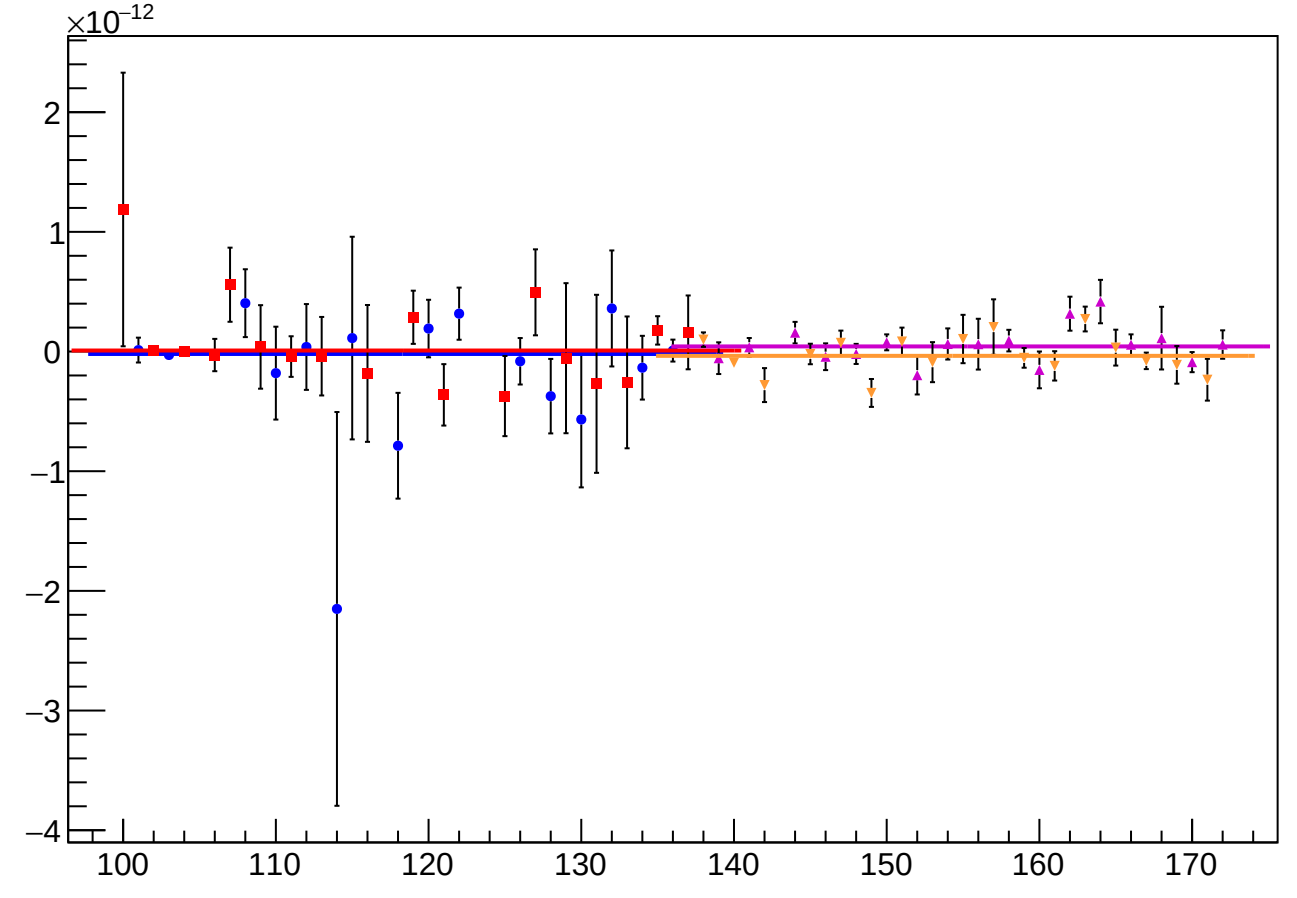
Left: 3669.618+/-0.504 χ^2/NDF: 1468314.7/33

Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2877.174+/-0.478 χ^2/NDF:5985137.8/32

Out: 2814.509+/-0.476 χ^2/NDF:5421549.1/34

All: 2845.749+/-0.337 χ^2/NDF: 11415320.2/6



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.4/16

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

Left In: 0.000+/-0.000 χ^2/NDF:18.3/16

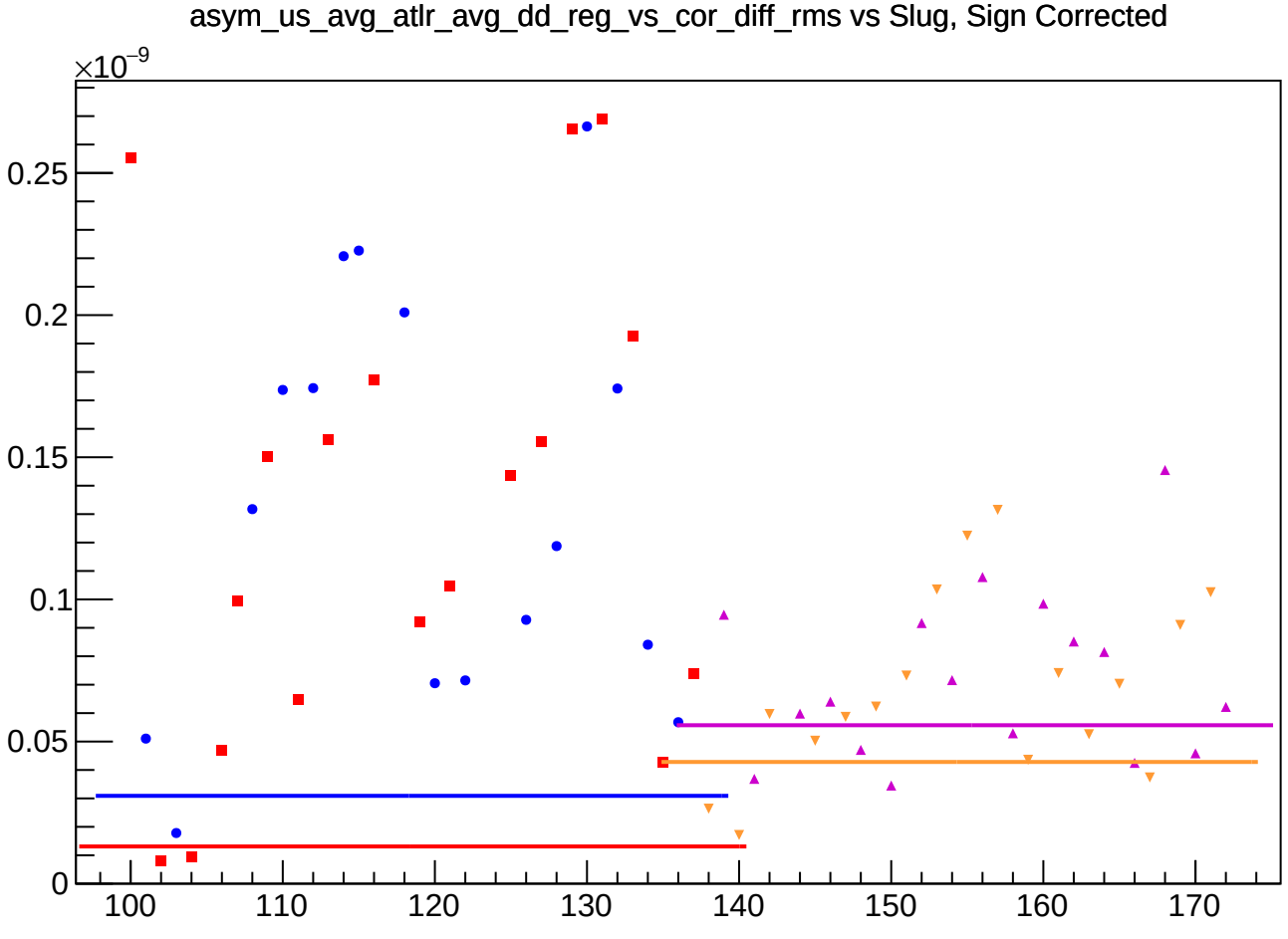
Left: -0.000+/-0.000 χ^2/NDF: 56.1/33

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:49.1/34

All: -0.000+/-0.000 χ^2/NDF: 84.7/67



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2739816.9/16

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1378100.0/16

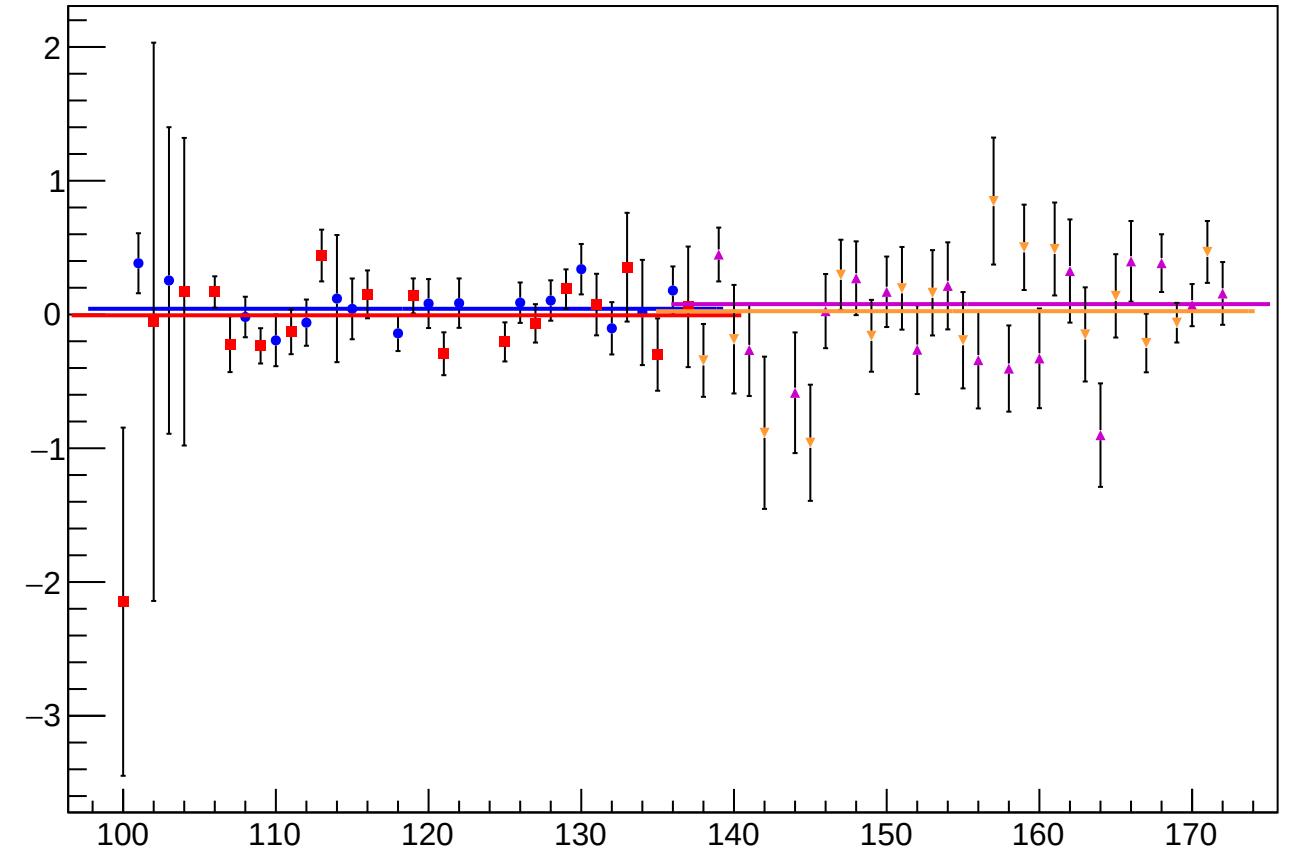
Left: 0.000+/-0.000 χ^2/NDF: 4407391.7/33

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:8862067.7/34

All: 0.000+/-0.000 χ^2/NDF: 16015016.0/67



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.025+/-0.069 χ^2/NDF:24.8/16

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.078+/-0.067 χ^2/NDF:23.3/16

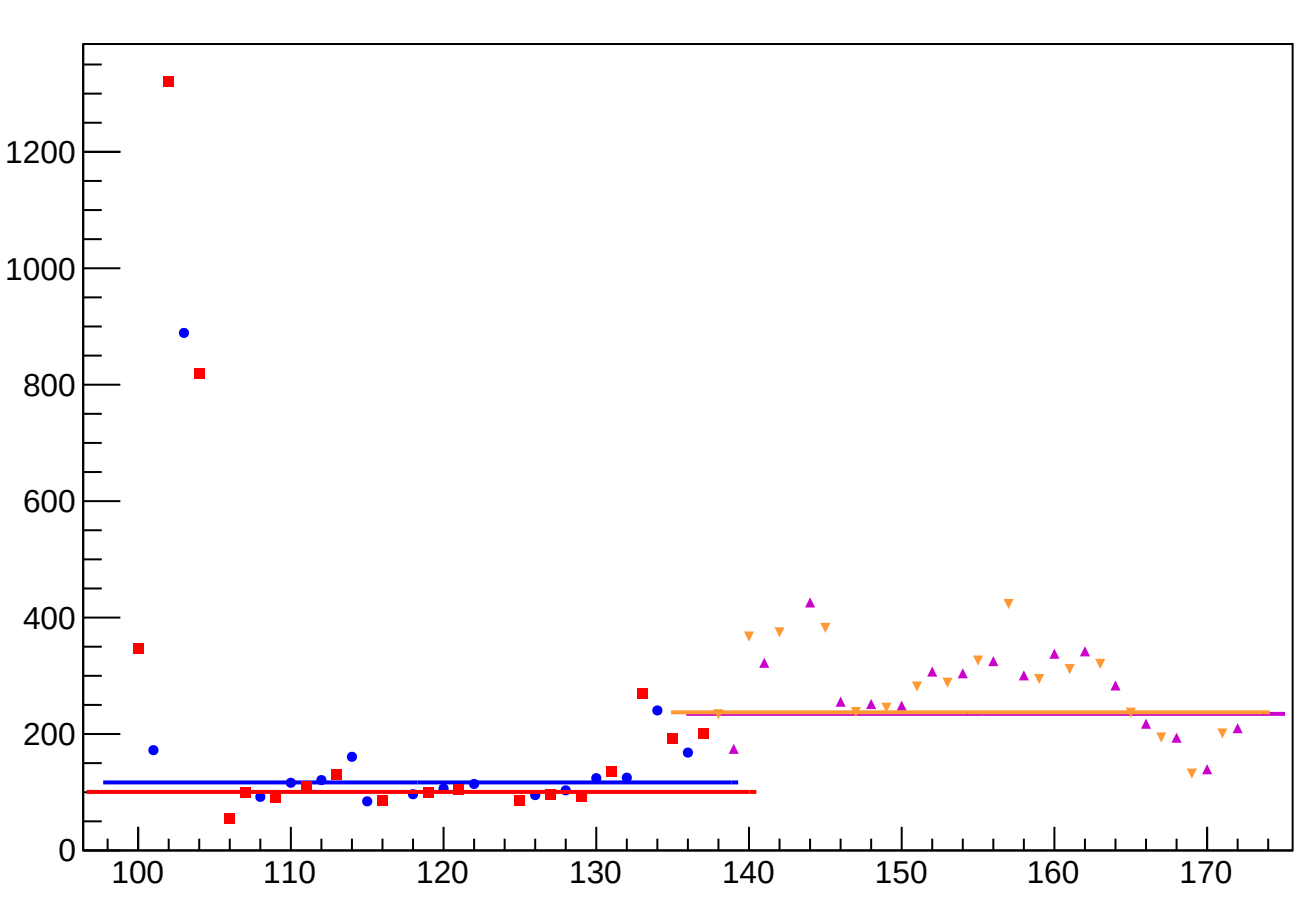
Left: 0.052+/-0.048 χ^2/NDF: 48.3/33

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.055+/-0.039 χ^2/NDF:33.7/32

Out: 0.003+/-0.037 χ^2/NDF:50.9/34

All: 0.027+/-0.027 χ^2/NDF: 85.6/67



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 237.267+/-0.049 χ^2/NDF:2472201.8/16

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: 235.882+/-0.034 χ^2/NDF: 4734589.6/33

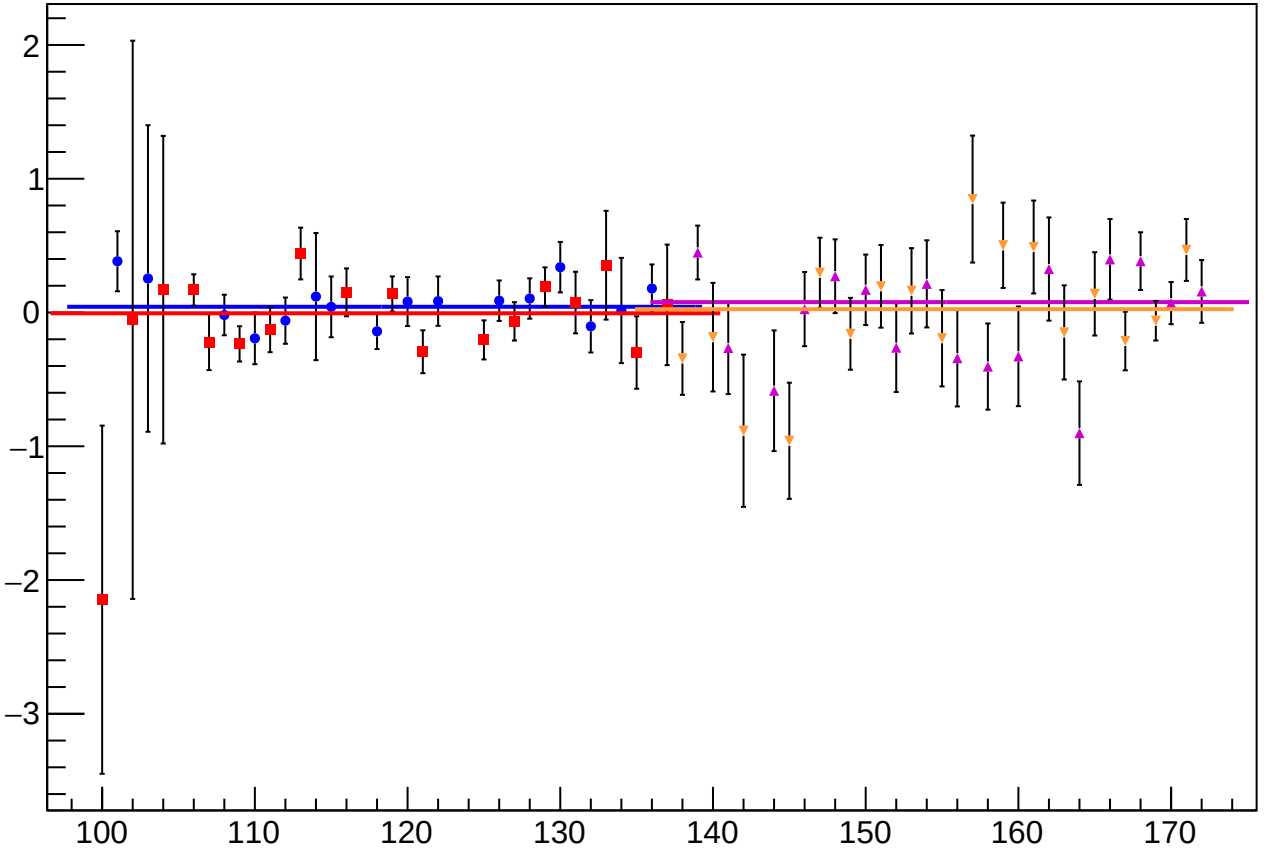
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 156.565+/-0.027 χ^2/NDF:8033942.8/32

Out: 139.315+/-0.026 χ^2/NDF:10769979.0/34

All: 147.501+/-0.019 χ^2/NDF: 19013362.8/67

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: 0.025+/-0.069 χ^2/NDF:24.8/16

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: 0.052+/-0.048 χ^2/NDF: 48.3/33

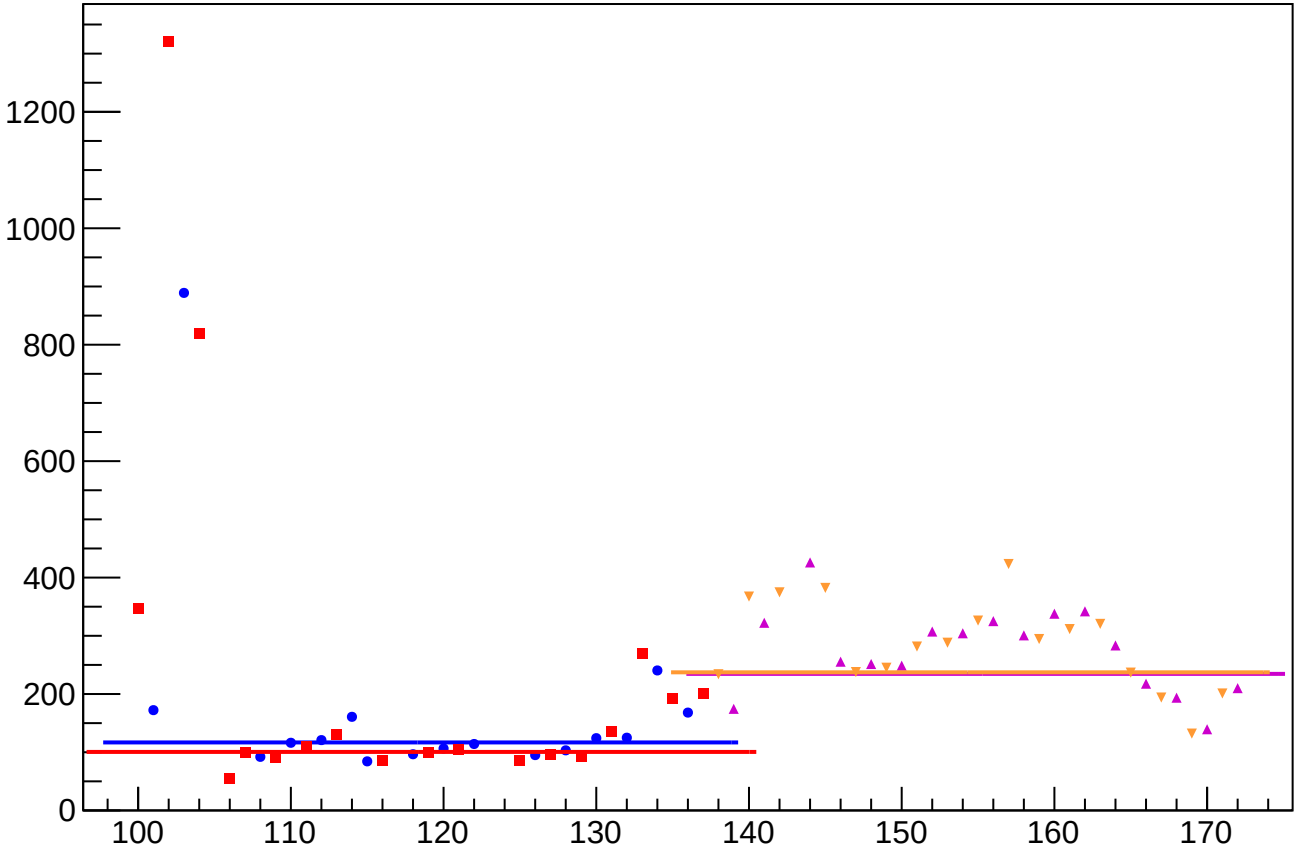
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.055+/-0.039 χ^2/NDF:33.7/32

Out: 0.003+/-0.037 χ^2/NDF:50.9/34

All: 0.027+/-0.027 χ^2/NDF: 85.6/67

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: 237.267+/-0.049 χ^2/NDF:2472201.8/16

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 234.594+/-0.047 χ^2/NDF:2260831.1/16

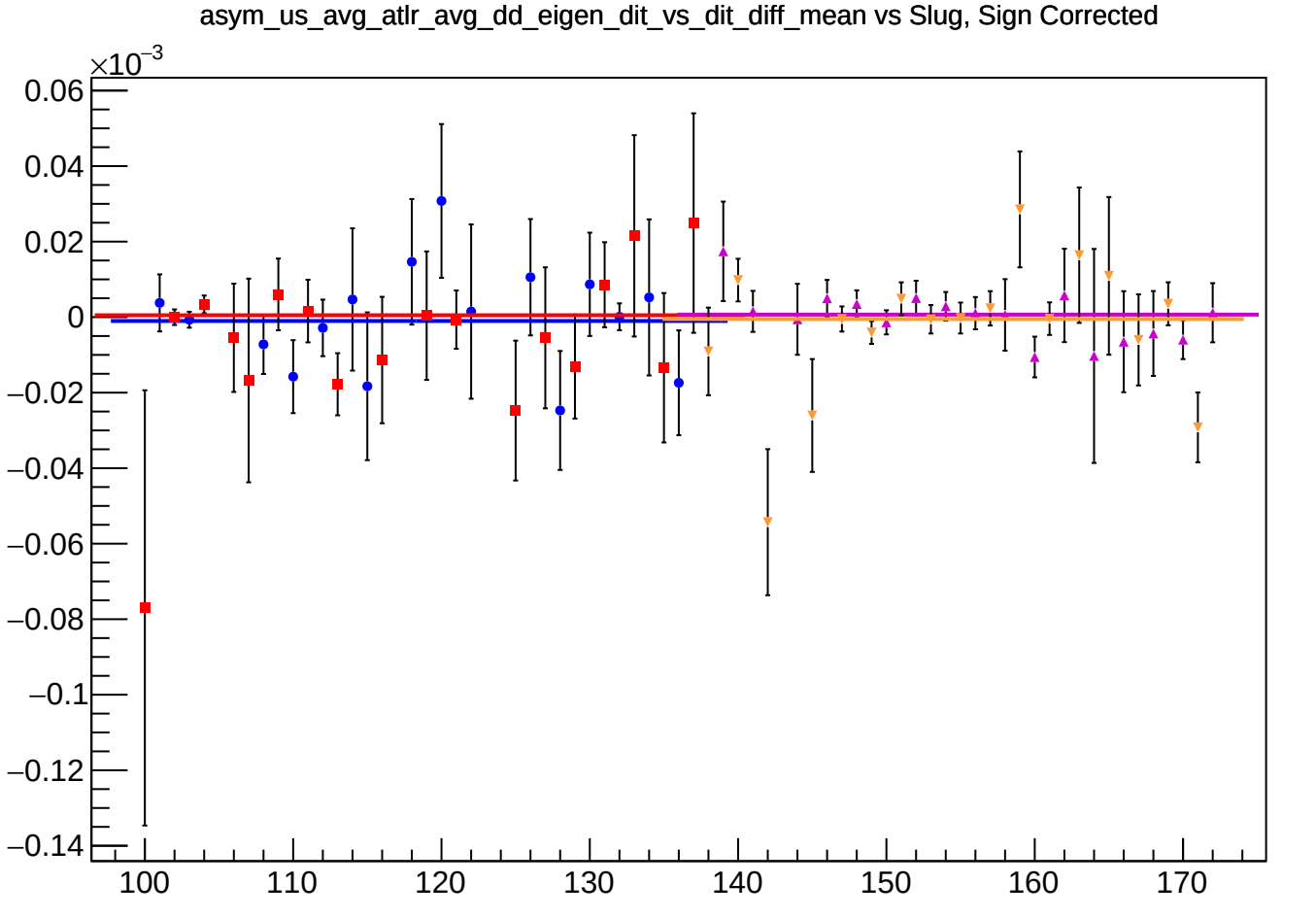
Left: 235.882+/-0.034 χ^2/NDF: 4734589.6/33

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 156.565+/-0.027 χ^2/NDF:8033942.8/32

Out: 139.315+/-0.026 χ^2/NDF:10769979.0/34

All: 147.501+/-0.019 χ^2/NDF: 19013362.8/67



Right In: -0.000+/-0.000 χ^2/NDF: 12.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/17

Left In: 0.000+/-0.000 χ^2/NDF:11.5/16

Left: 0.000+/-0.000 χ^2/NDF: 44.9/33

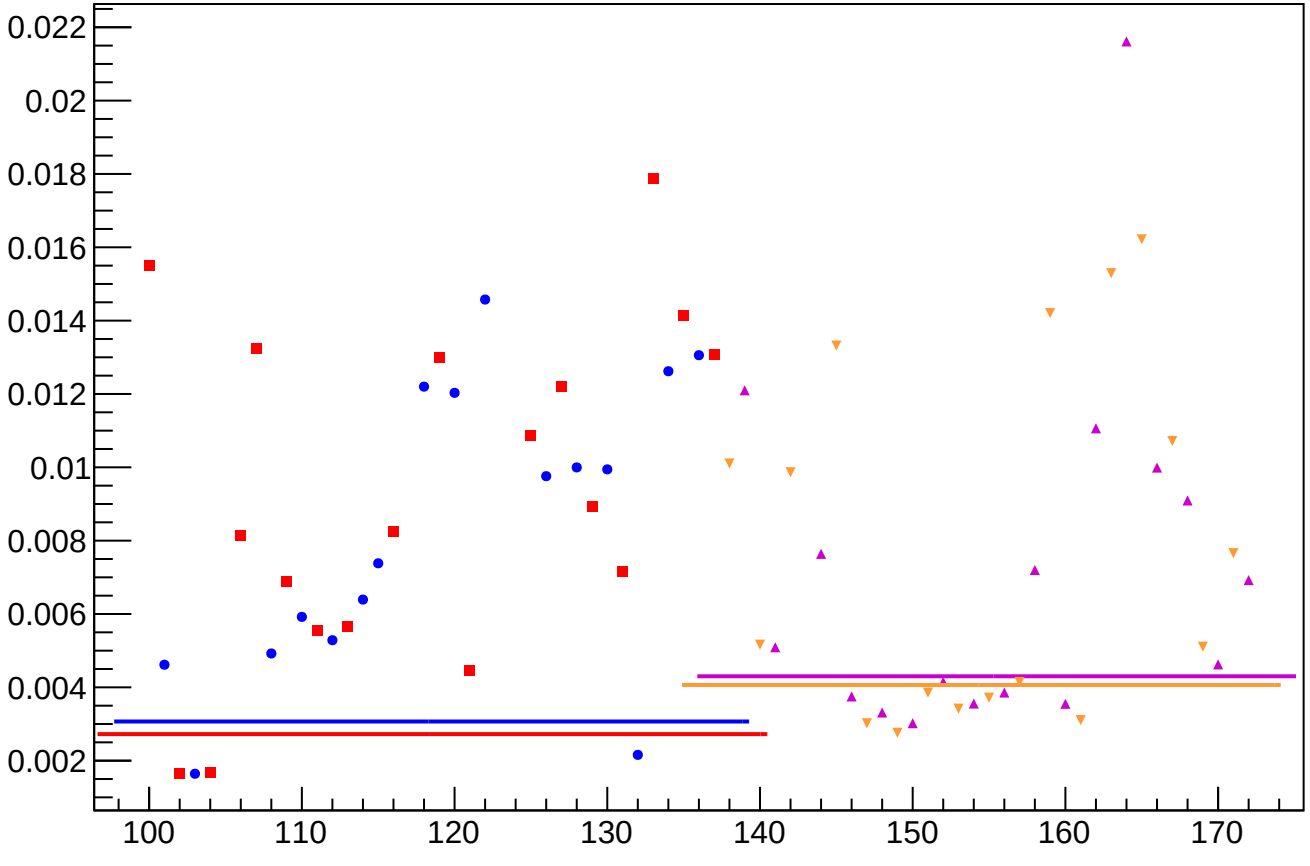
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: -0.000+/-0.000 χ^2/NDF:24.8/32

Out: -0.000+/-0.000 χ^2/NDF:48.3/34

All: -0.000+/-0.000 χ^2/NDF: 73.1/67

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:5624162.8/16

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:4120845.7/16

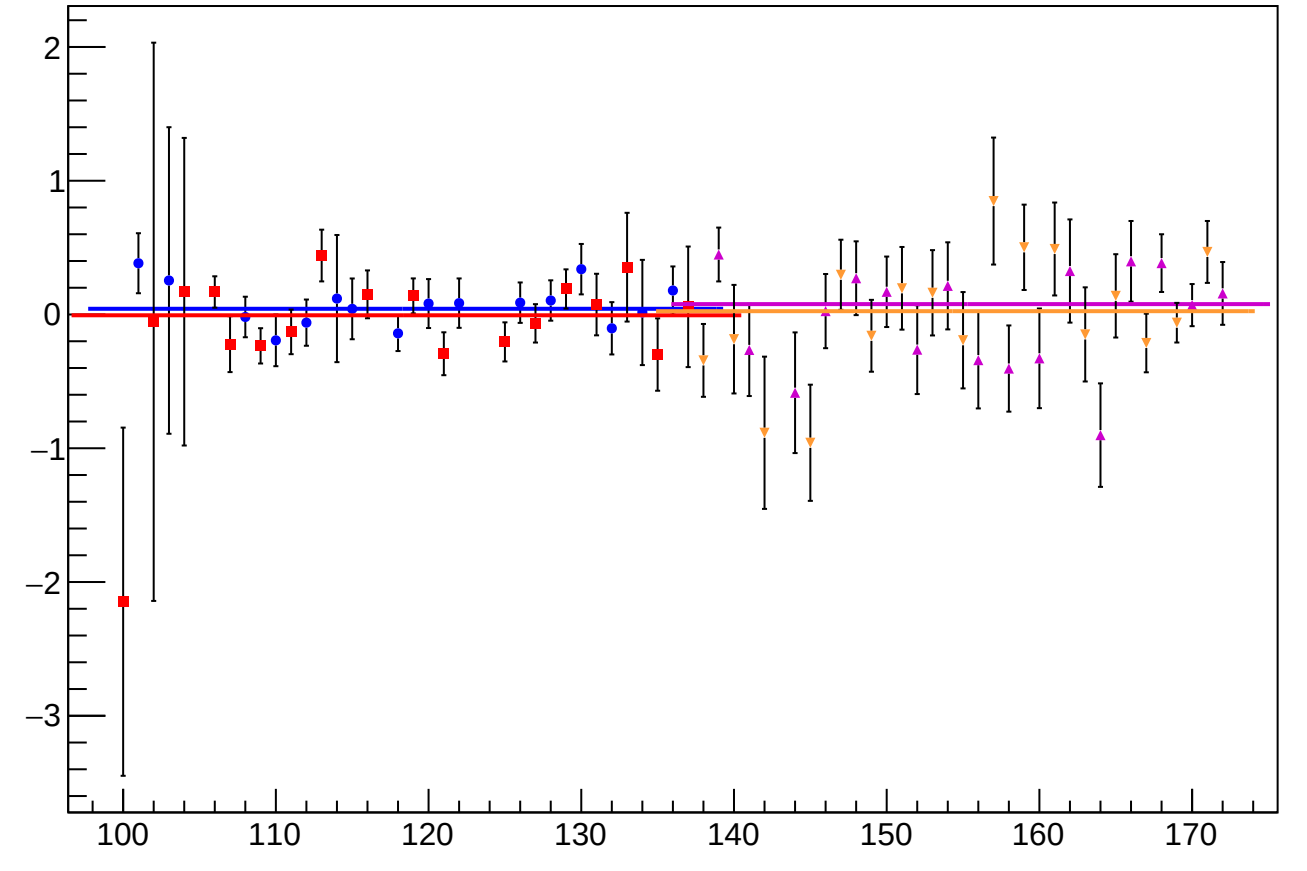
Left: 0.004+/-0.000 χ^2/NDF: 9777266.6/33

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:13323907.5/34

All: 0.004+/-0.000 χ^2/NDF: 24241794.7/67



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.025+/-0.069 χ^2/NDF:24.8/16

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: 0.052+/-0.048 χ^2/NDF: 48.3/33

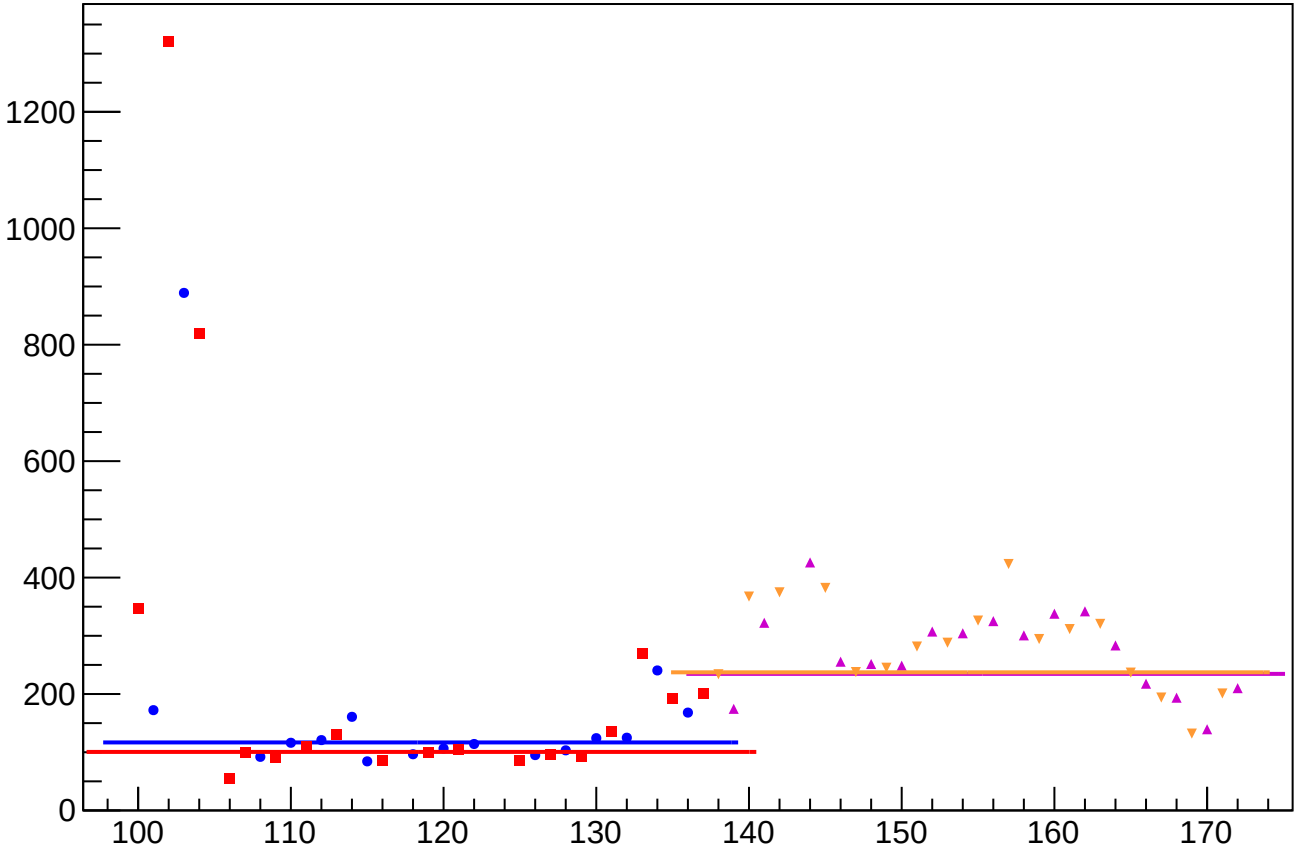
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.055+/-0.039 χ^2/NDF:33.7/32

Out: 0.003+/-0.037 χ^2/NDF:50.9/34

All: 0.027+/-0.027 χ^2/NDF: 85.6/67

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: 237.268+/-0.049 χ^2/NDF:2472297.1/16

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: 235.884+/-0.034 χ^2/NDF: 4734706.0/33

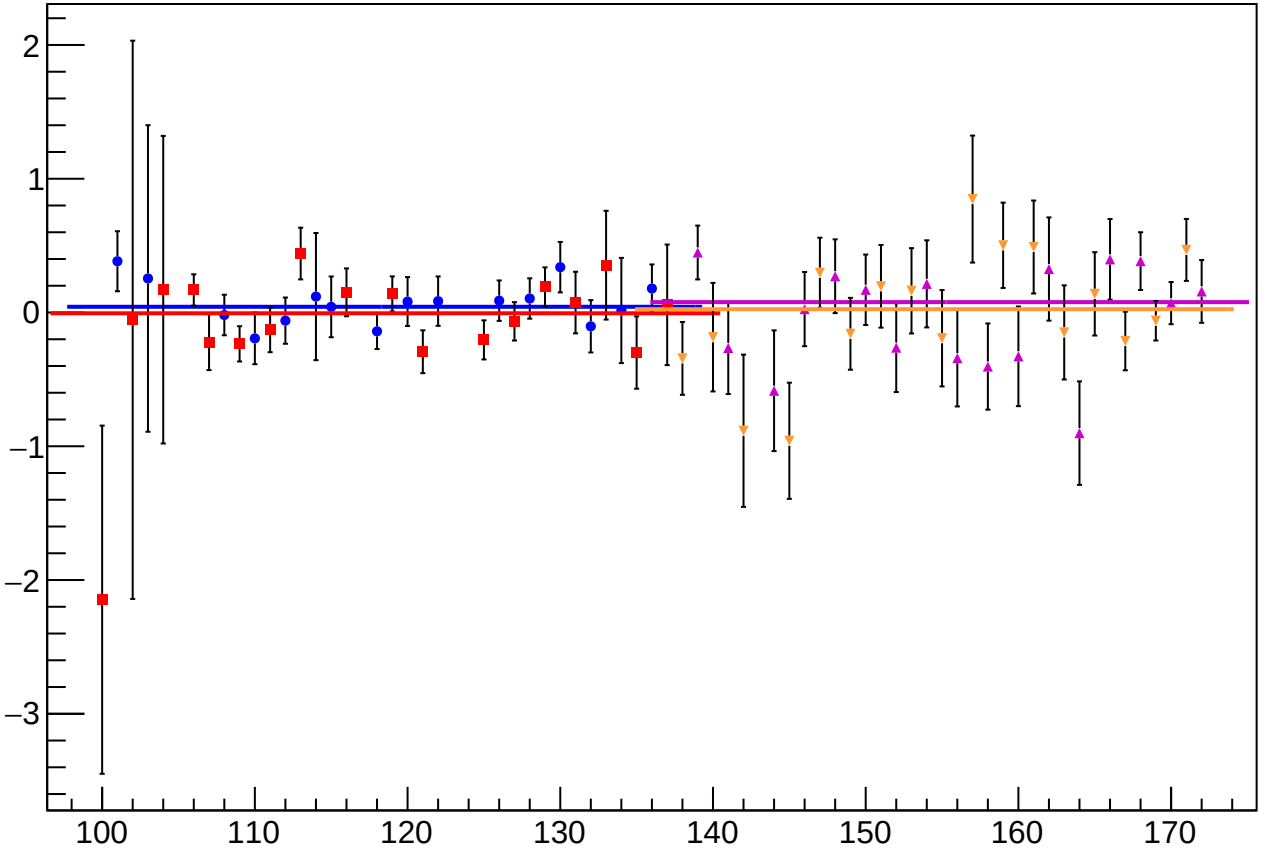
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 156.565+/-0.027 χ^2/NDF:8034065.4/32

Out: 139.314+/-0.026 χ^2/NDF:10770290.4/34

All: 147.500+/-0.019 χ^2/NDF: 19013824.4/67

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: 0.025+/-0.069 χ^2/NDF:24.8/16

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: 0.052+/-0.048 χ^2/NDF: 48.3/33

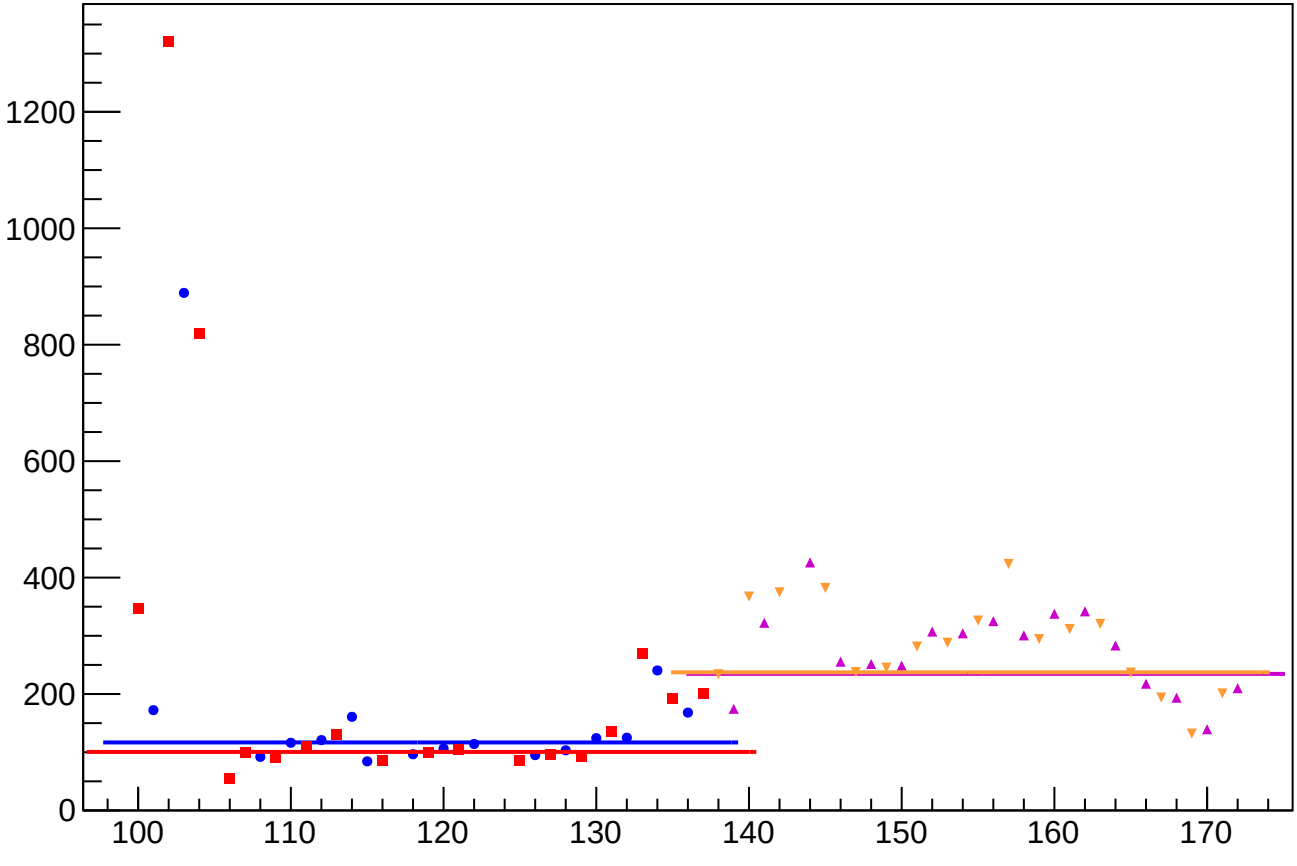
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.055+/-0.039 χ^2/NDF:33.7/32

Out: 0.003+/-0.037 χ^2/NDF:50.9/34

All: 0.027+/-0.027 χ^2/NDF: 85.6/67

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: 237.268+/-0.049 χ^2/NDF:2472297.1/16

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: 235.884+/-0.034 χ^2/NDF: 4734706.0/33

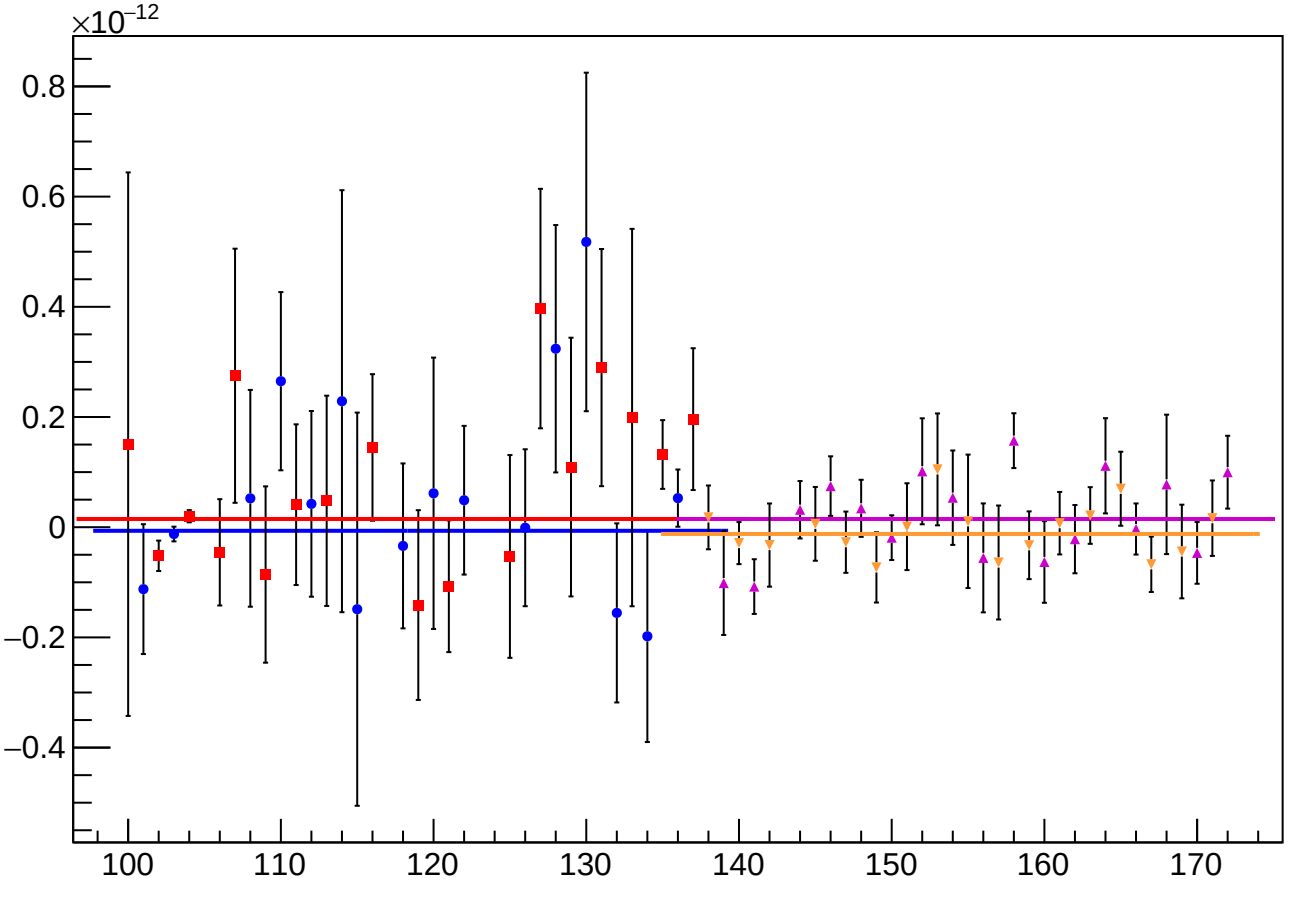
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 156.565+/-0.027 χ^2/NDF:8034065.4/32

Out: 139.314+/-0.026 χ^2/NDF:10770290.4/34

All: 147.500+/-0.019 χ^2/NDF: 19013824.4/67

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:6.9/16

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: 34.0/33

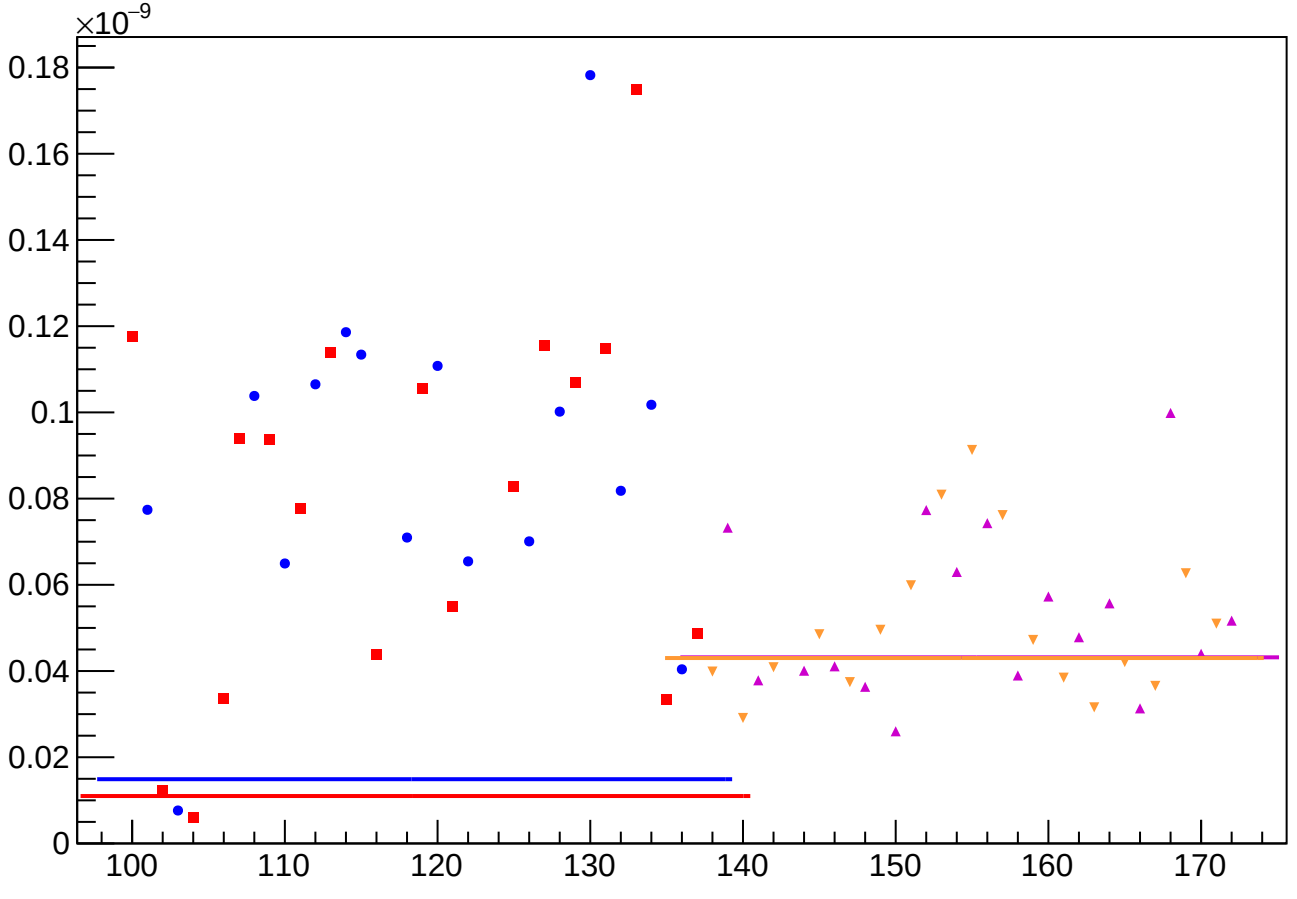
Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: 0.000+/-0.000 χ^2/NDF:39.7/32

Out: 0.000+/-0.000 χ^2/NDF:31.0/34

All: 0.000+/-0.000 χ^2/NDF: 70.8/67

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5893030.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1509514.4/16

Right Out: 0.000+/-0.000 χ^2/NDF: 5866969.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1892539.8/16

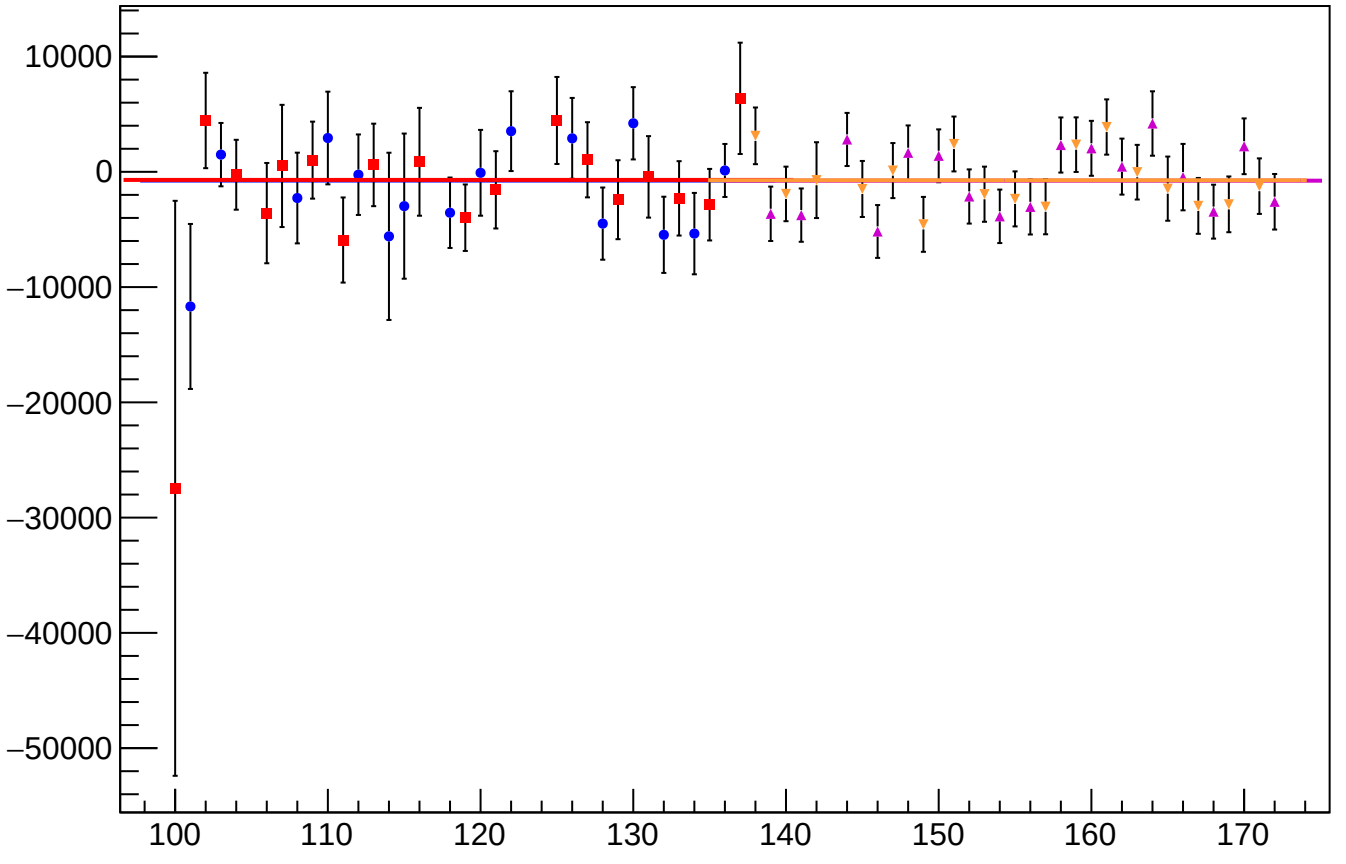
Left: 0.000+/-0.000 χ^2/NDF: 3402173.5/33

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:13577879.5/34

All: 0.000+/-0.000 χ^2/NDF: 26146384.1/67



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -734.275+/-594.280 χ^2/NDF:16.1/16

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -767.889+/-582.414 χ^2/NDF:24.1/16

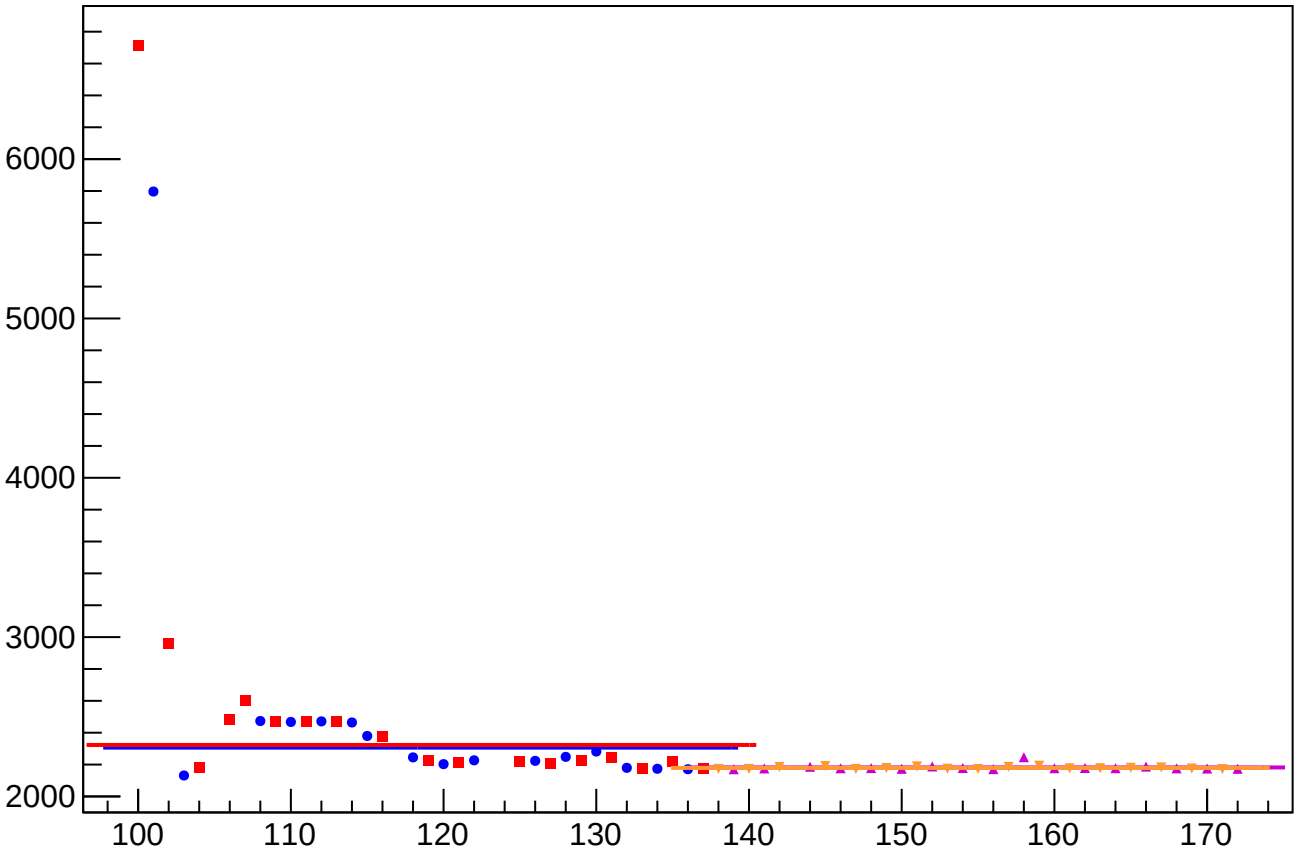
Left: -751.421+/-415.961 χ^2/NDF: 40.2/33

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -763.699+/-484.432 χ^2/NDF:40.0/32

Out: -724.048+/-490.479 χ^2/NDF:28.5/34

All: -744.119+/-344.663 χ^2/NDF: 68.4/67



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2179.011+/-0.420 χ^2/NDF:274.2/16

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: 2180.482+/-0.294 χ^2/NDF: 1983.5/33

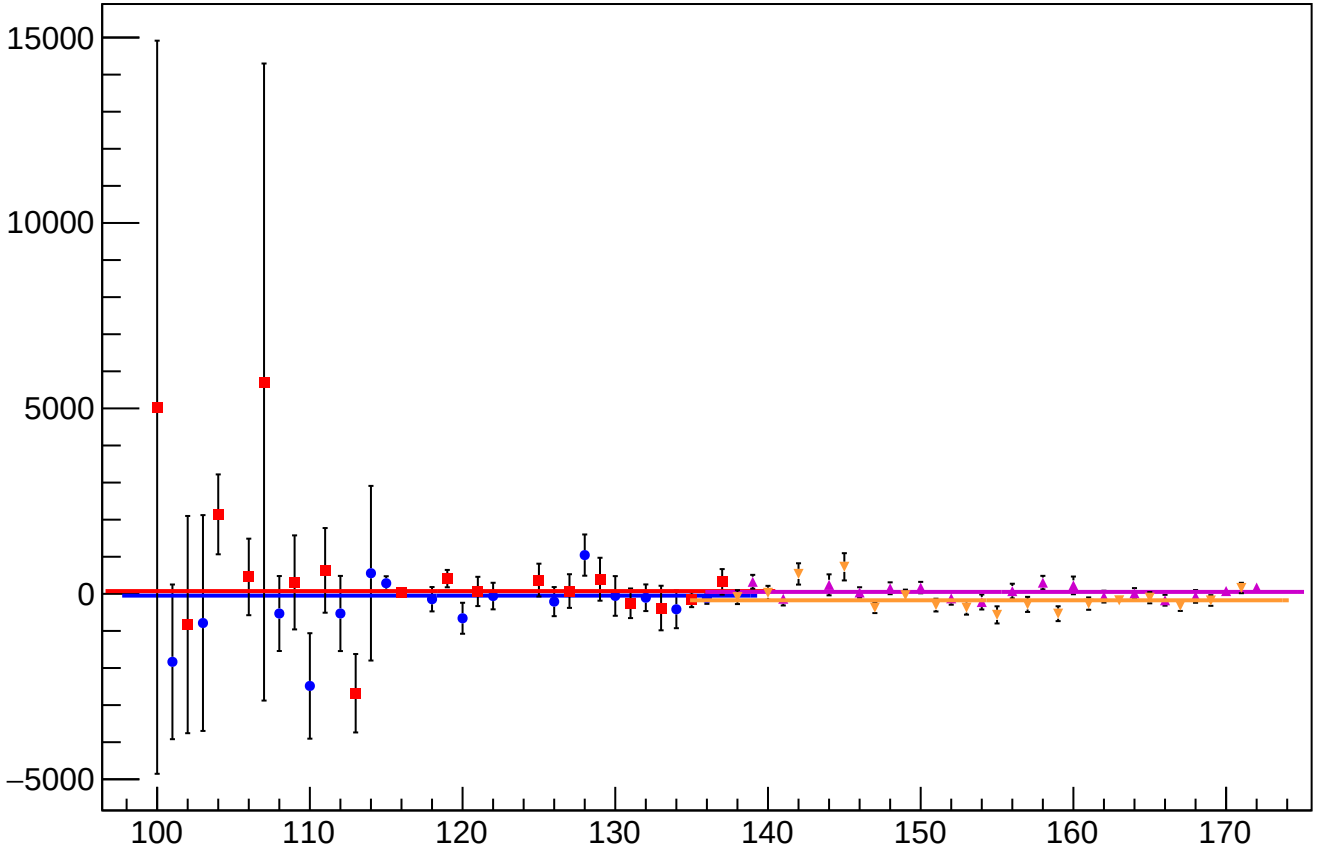
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2220.338+/-0.343 χ^2/NDF:544111.6/32

Out: 2224.922+/-0.347 χ^2/NDF:189500.4/34

All: 2222.602+/-0.244 χ^2/NDF: 733700.4/67

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: -173.830+/-41.254 χ^2/NDF:31.5/16

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: -56.409+/-28.591 χ^2/NDF: 61.5/33

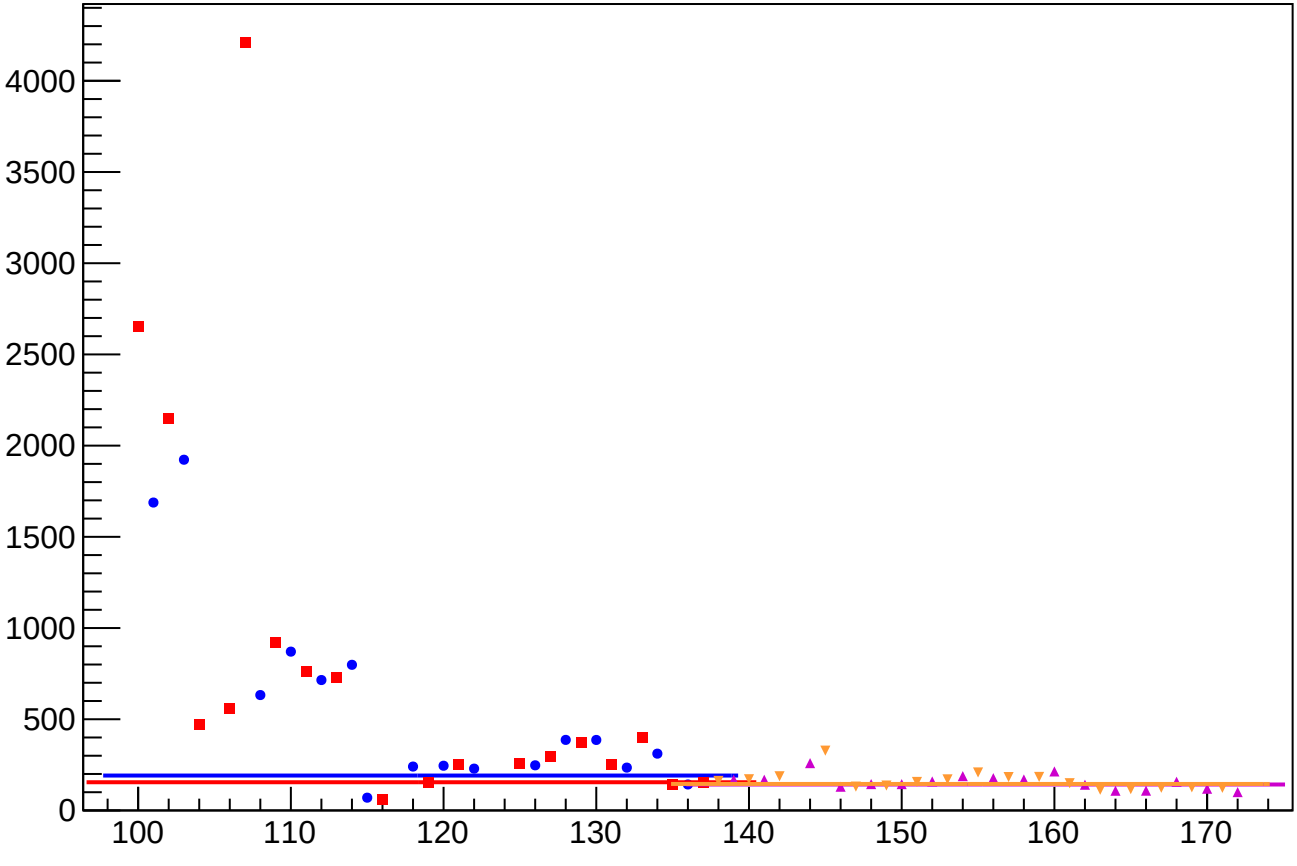
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 36.116+/-36.351 χ^2/NDF:29.9/32

Out: -124.104+/-36.888 χ^2/NDF:56.3/34

All: -42.821+/-25.892 χ^2/NDF: 95.8/67

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: 145.270+/-0.029 χ^2/NDF:1273976.4/16

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 142.292+/-0.028 χ^2/NDF:1411198.6/16

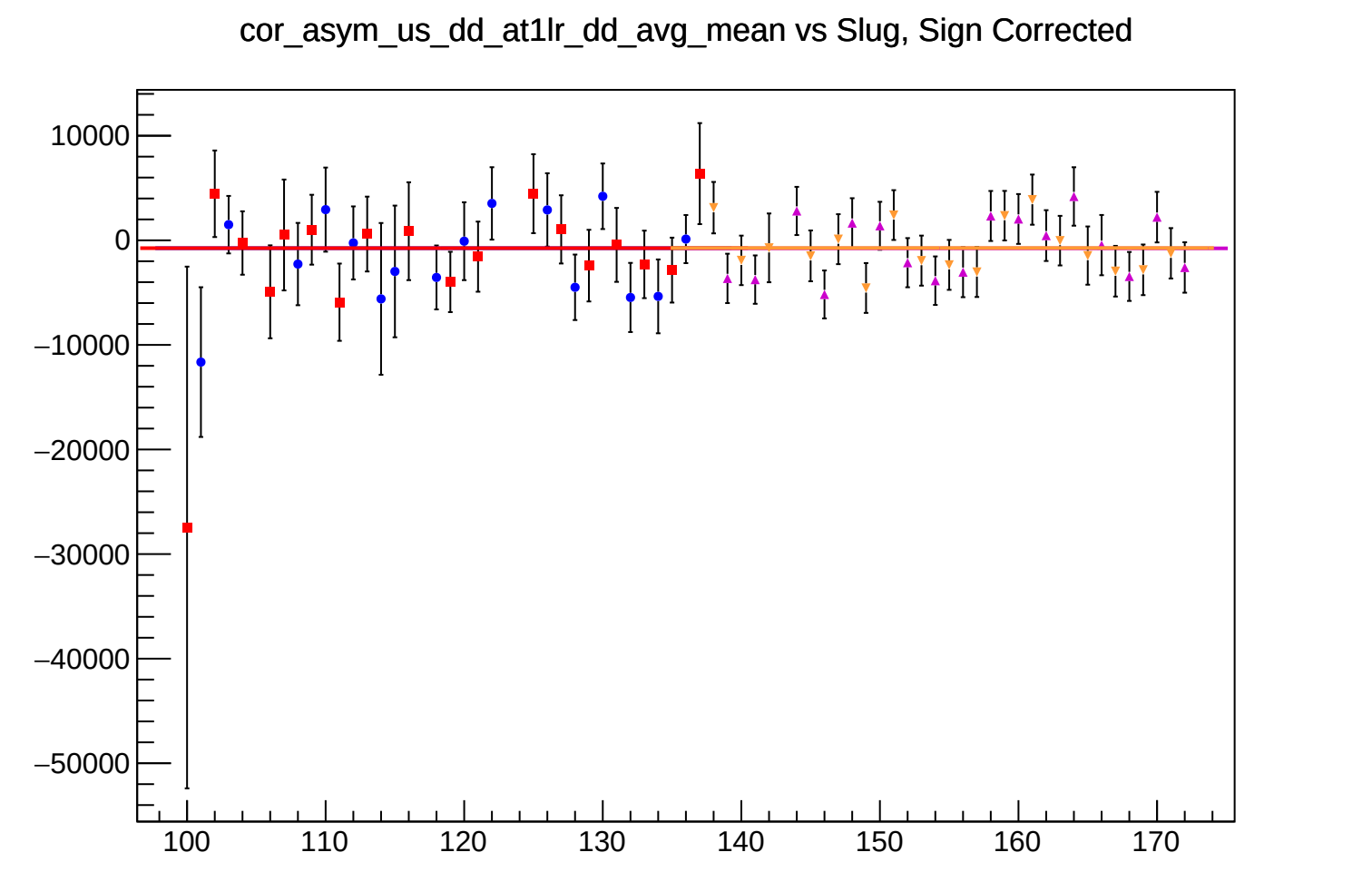
Left: 143.722+/-0.020 χ^2/NDF: 2690589.2/33

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 150.140+/-0.026 χ^2/NDF:6965801.2/32

Out: 147.156+/-0.026 χ^2/NDF:7449110.6/34

All: 148.670+/-0.018 χ^2/NDF: 14421553.9/67



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -734.231+/-594.280 χ^2/NDF:16.1/16

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -767.859+/-582.414 χ^2/NDF:24.1/16

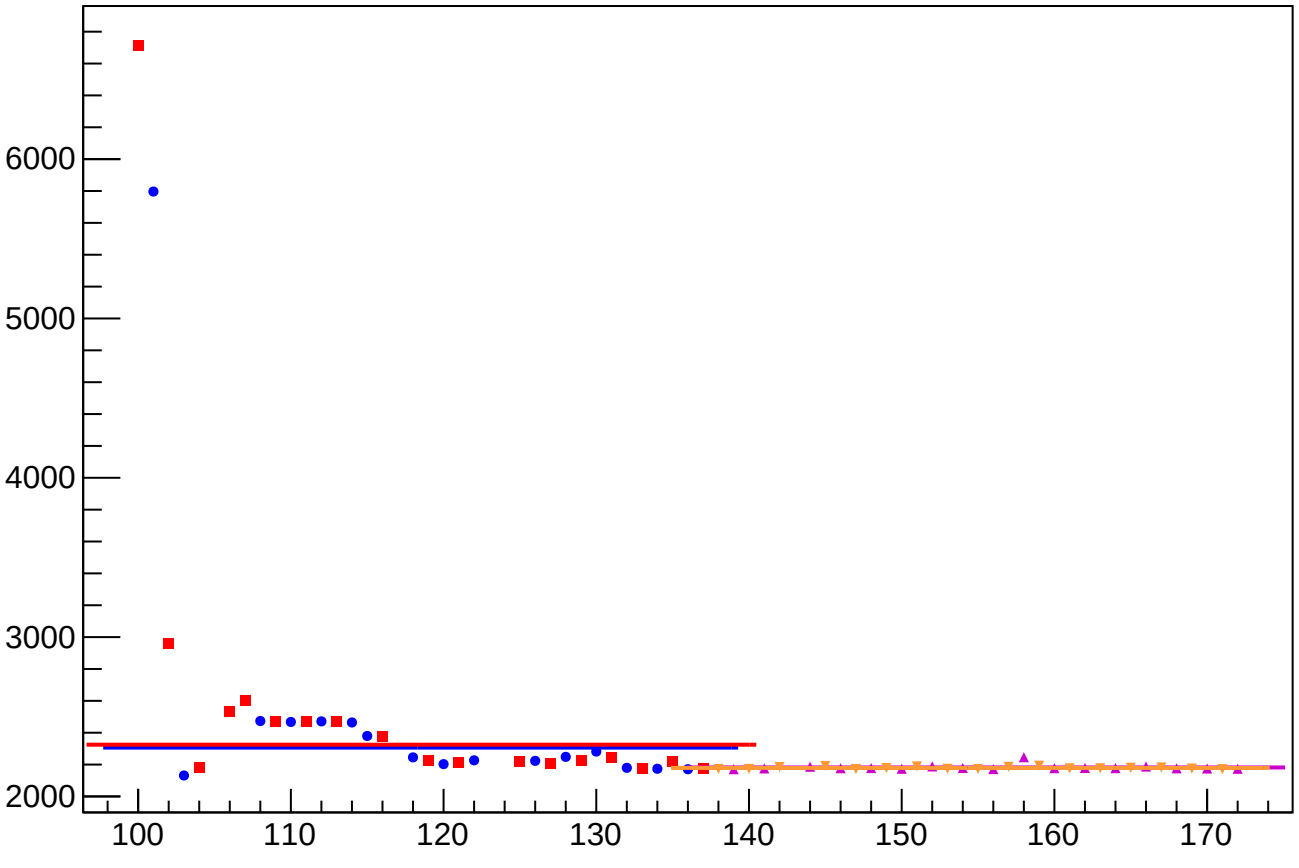
Left: -751.384+/-415.961 χ^2/NDF: 40.2/33

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -763.379+/-484.432 χ^2/NDF:40.0/32

Out: -739.035+/-490.608 χ^2/NDF:28.9/34

All: -751.361+/-344.708 χ^2/NDF: 68.9/67



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.011+/-0.420 χ^2/NDF:274.2/16

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: 2180.482+/-0.294 χ^2/NDF: 1983.5/33

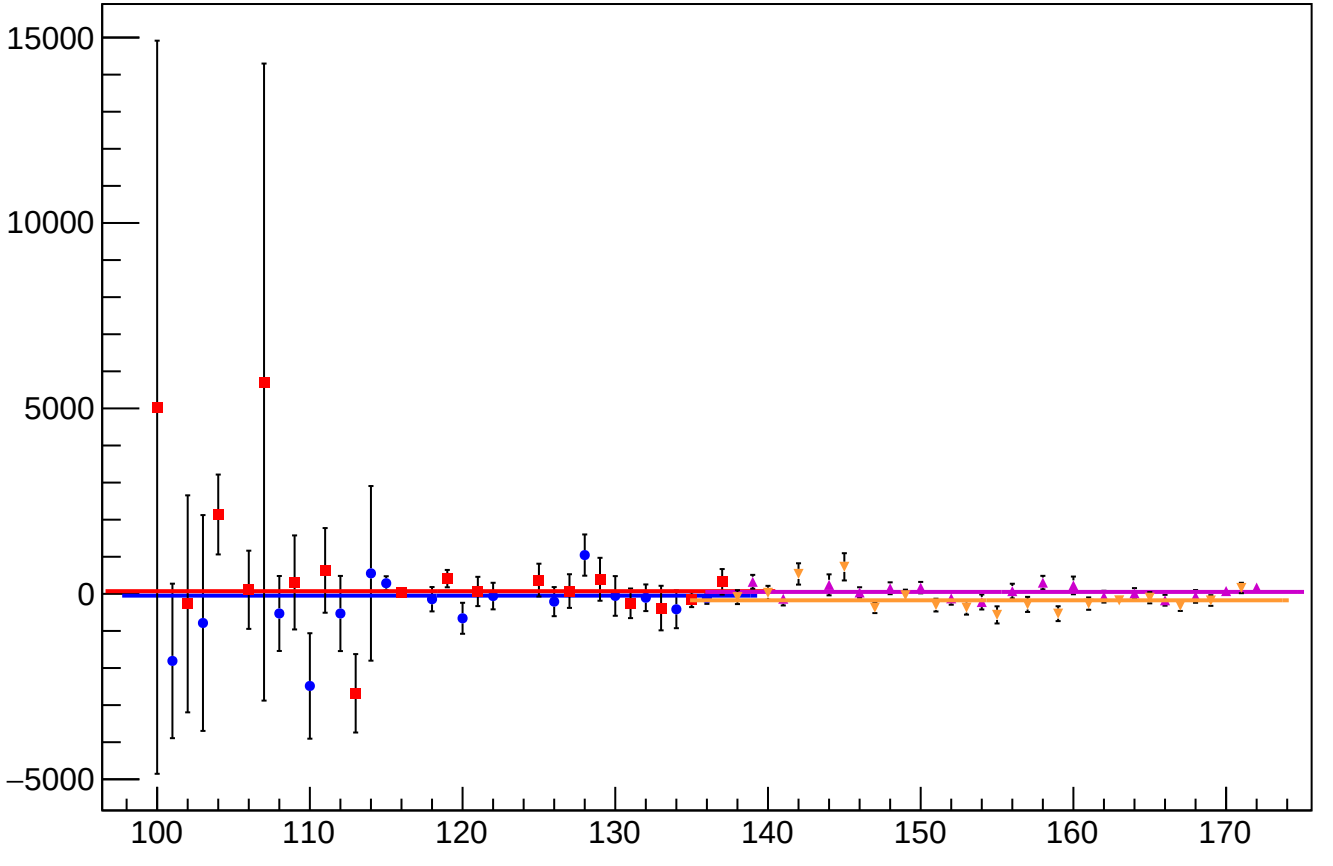
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2220.338+/-0.343 χ^2/NDF:544111.9/32

Out: 2225.403+/-0.347 χ^2/NDF:192124.3/34

All: 2222.839+/-0.244 χ^2/NDF: 736344.1/67

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: -173.834+/-41.255 χ^2/NDF:31.4/16

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: -56.449+/-28.592 χ^2/NDF: 61.5/33

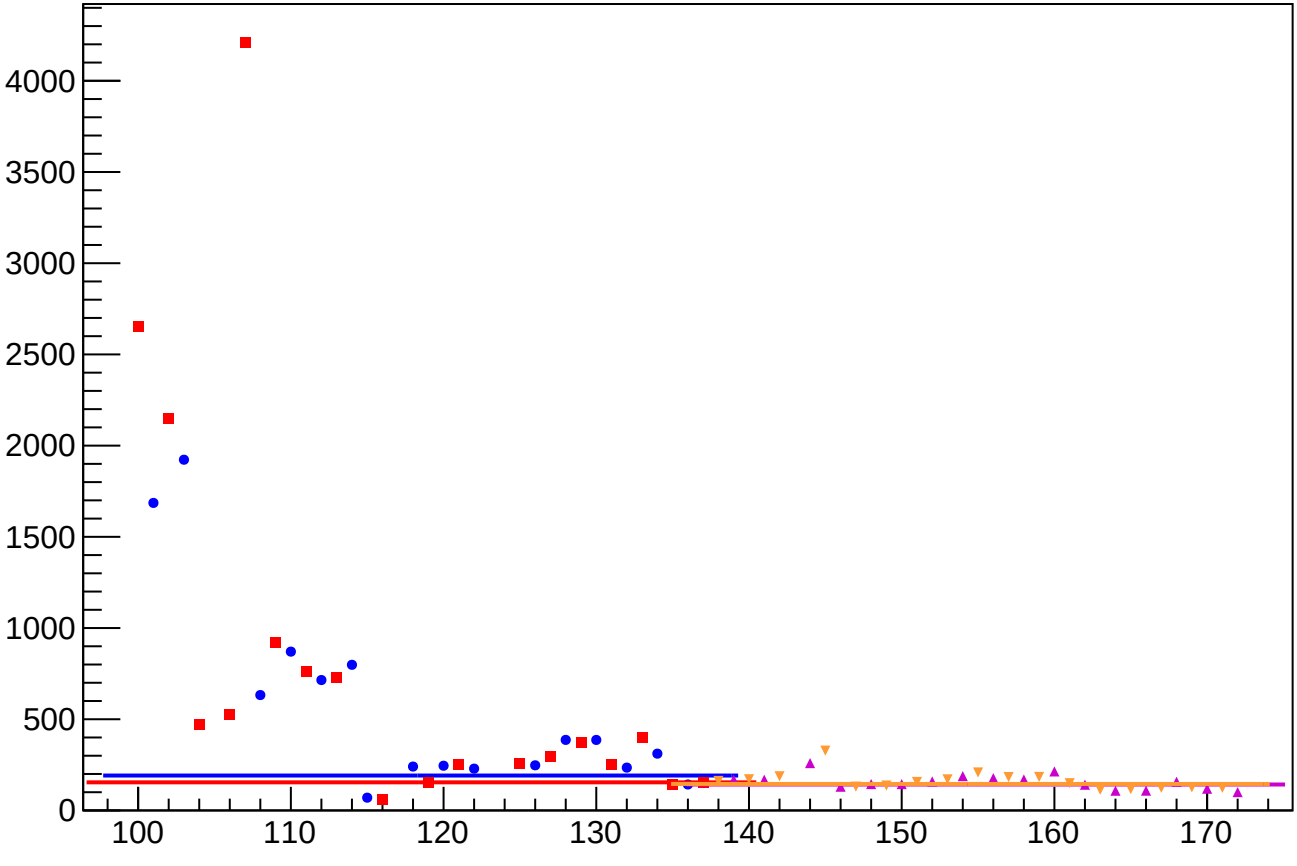
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 36.055+/-36.353 χ^2/NDF:29.8/32

Out: -124.448+/-36.883 χ^2/NDF:56.0/34

All: -43.035+/-25.891 χ^2/NDF: 95.5/67

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: 145.272+/-0.029 χ^2/NDF:1274145.6/16

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 142.298+/-0.028 χ^2/NDF:1411753.9/16

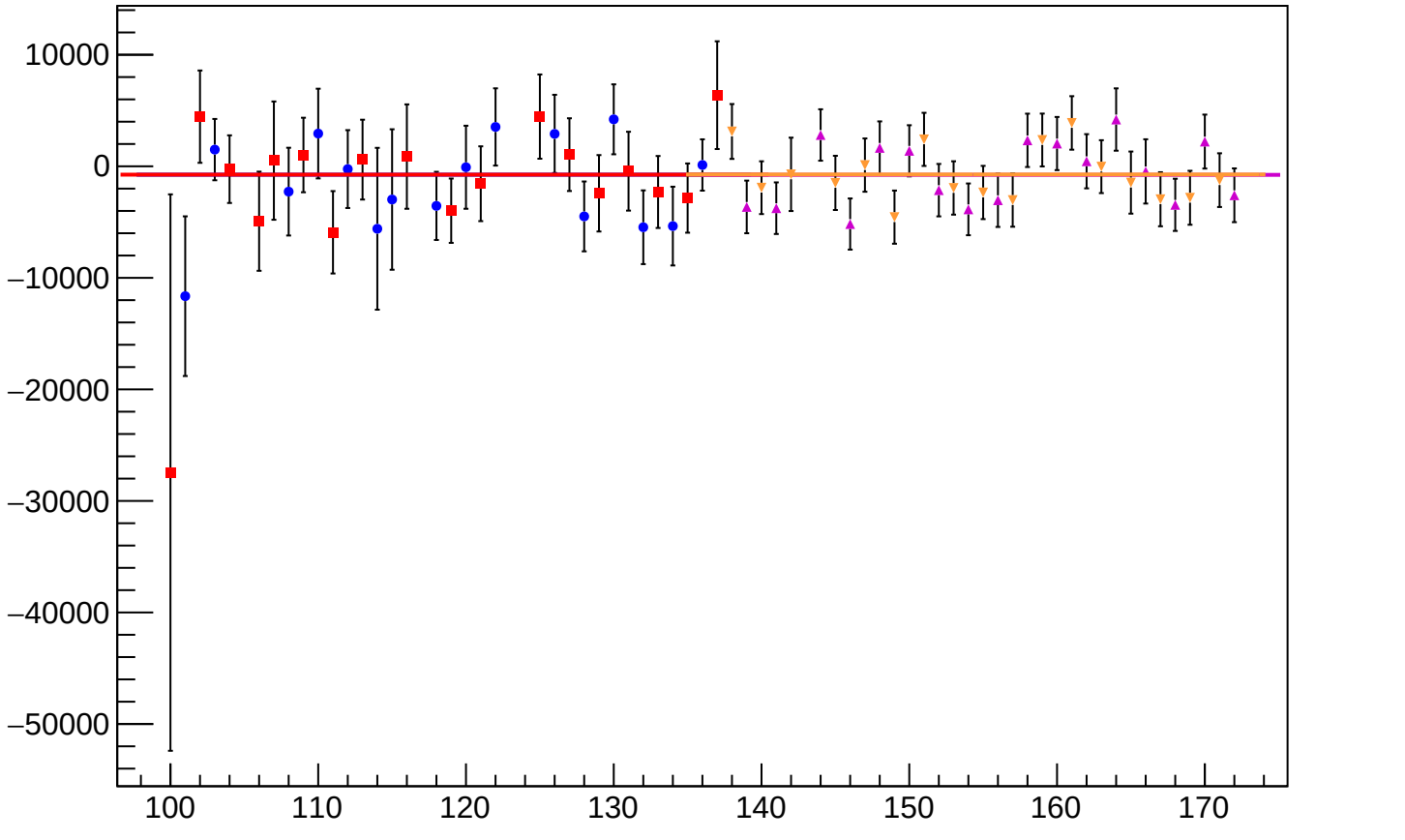
Left: 143.726+/-0.020 χ^2/NDF: 2691299.5/33

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 150.149+/-0.026 χ^2/NDF:6965524.9/32

Out: 147.048+/-0.026 χ^2/NDF:7401282.6/34

All: 148.621+/-0.018 χ^2/NDF: 14373977.1/67



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -734.231+/-594.280 χ^2/NDF:16.1/16

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -767.859+/-582.414 χ^2/NDF:24.1/16

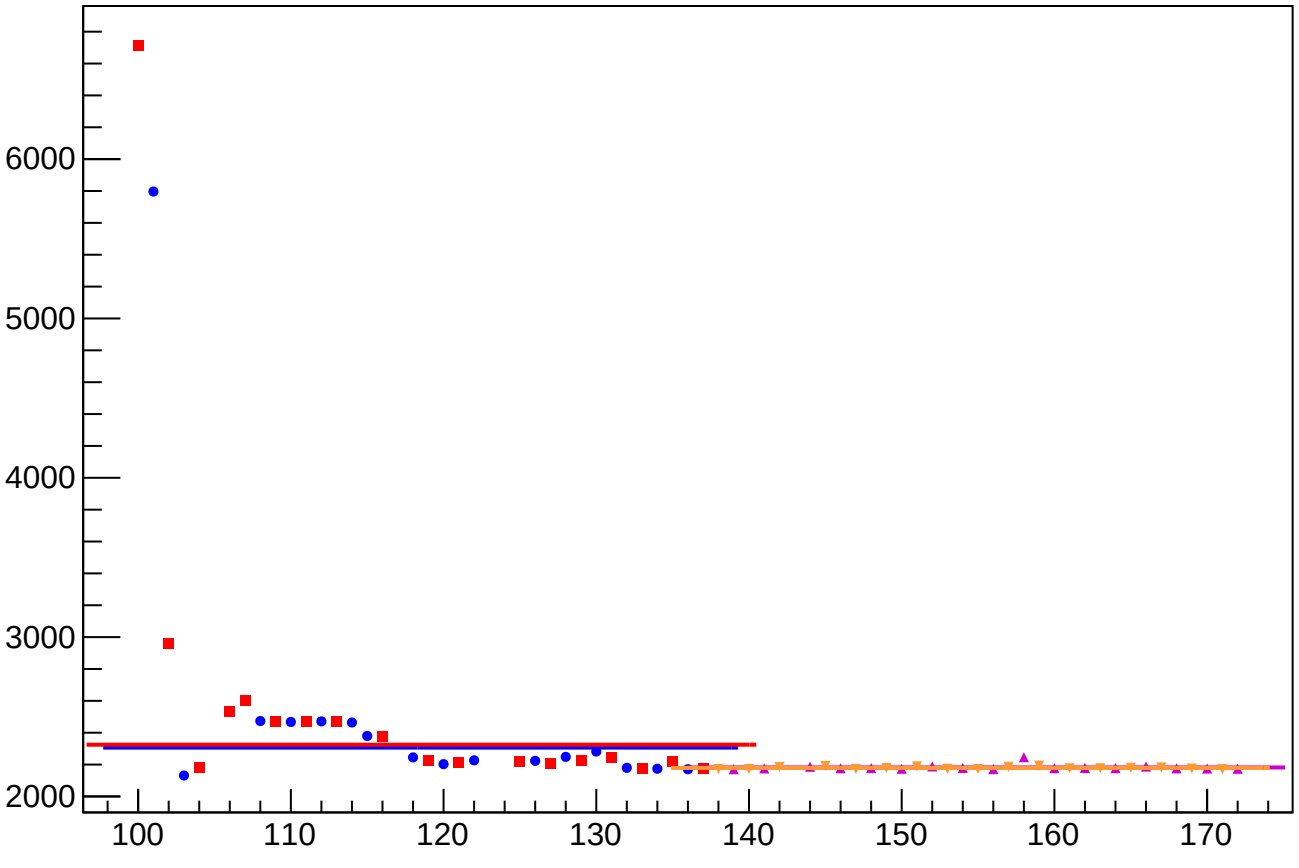
Left: -751.384+/-415.961 χ^2/NDF: 40.2/33

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -763.379+/-484.432 χ^2/NDF:40.0/32

Out: -739.035+/-490.608 χ^2/NDF:28.9/34

All: -751.361+/-344.708 χ^2/NDF: 68.9/67



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2179.011+/-0.420 χ^2/NDF:274.2/16

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: 2180.482+/-0.294 χ^2/NDF: 1983.5/33

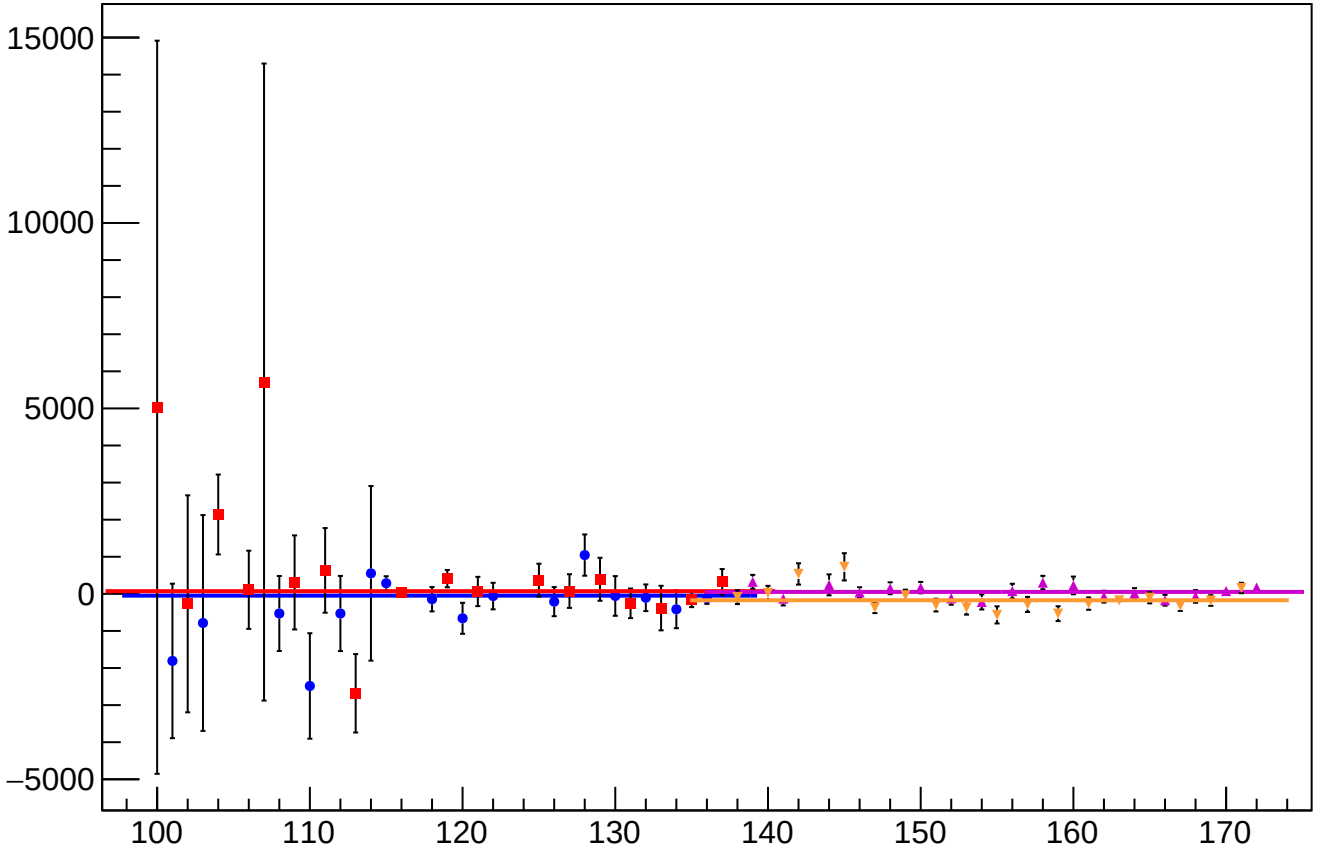
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2220.338+/-0.343 χ^2/NDF:544111.9/32

Out: 2225.403+/-0.347 χ^2/NDF:192124.3/34

All: 2222.839+/-0.244 χ^2/NDF: 736344.1/67

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: -173.834+/-41.255 χ^2/NDF:31.4/16

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: -56.449+/-28.592 χ^2/NDF: 61.5/33

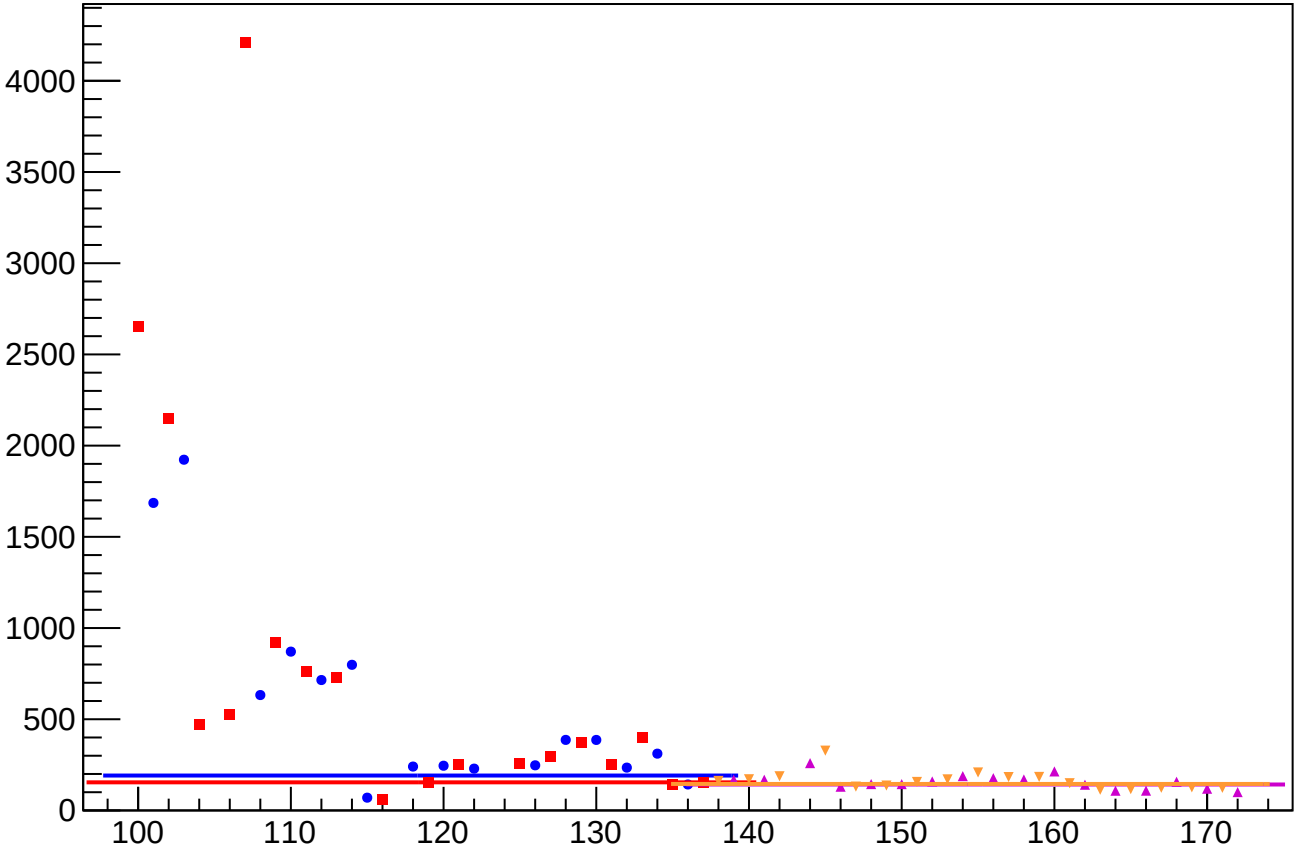
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 36.055+/-36.353 χ^2/NDF:29.8/32

Out: -124.448+/-36.883 χ^2/NDF:56.0/34

All: -43.035+/-25.891 χ^2/NDF: 95.5/67

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: 145.272+/-0.029 χ^2/NDF:1274145.6/16

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 142.298+/-0.028 χ^2/NDF:1411753.9/16

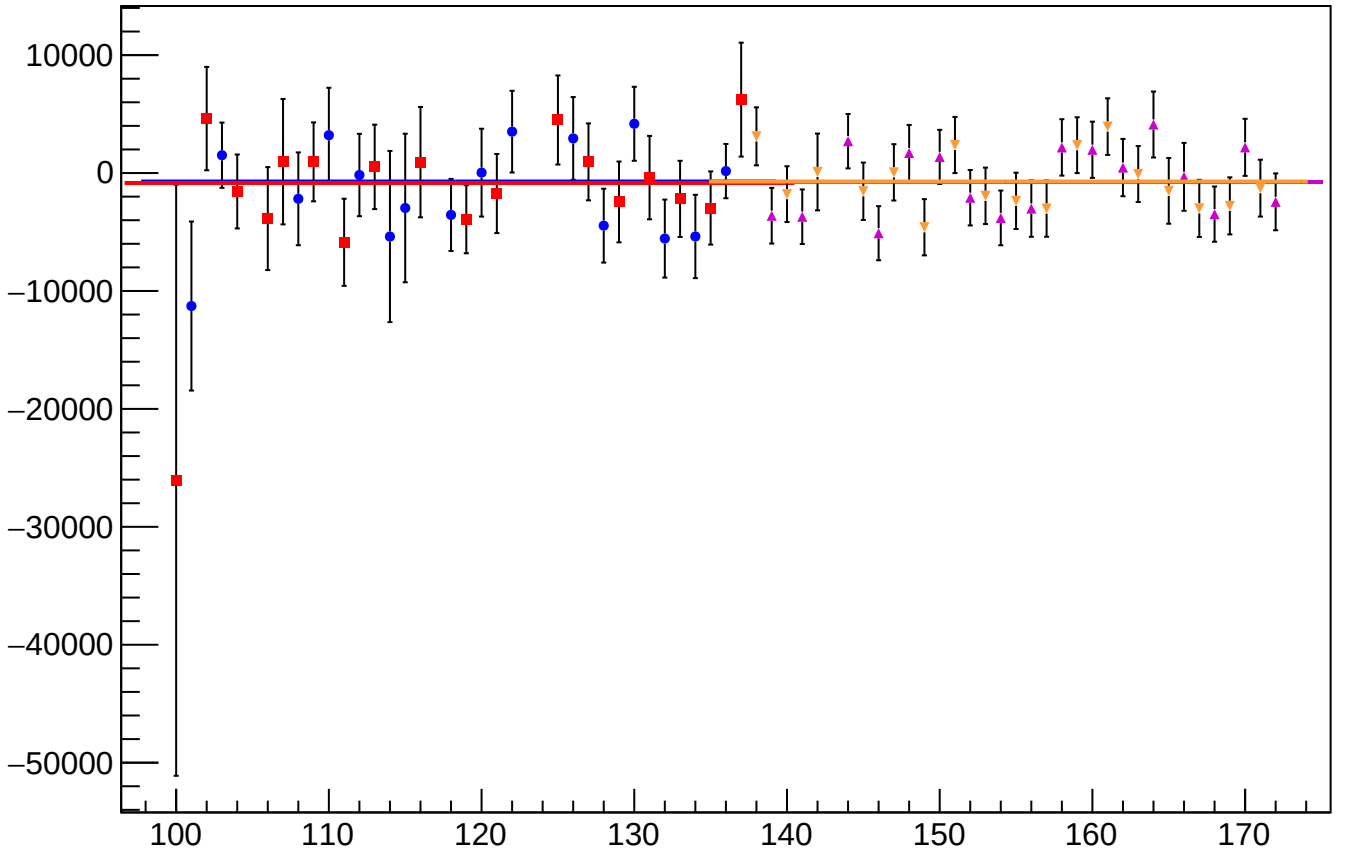
Left: 143.726+/-0.020 χ^2/NDF: 2691299.5/33

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 150.149+/-0.026 χ^2/NDF:6965524.9/32

Out: 147.048+/-0.026 χ^2/NDF:7401282.6/34

All: 148.621+/-0.018 χ^2/NDF: 14373977.1/67



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -715.882+/-594.271 χ^2/NDF:16.2/16

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: -738.456+/-416.033 χ^2/NDF: 39.4/33

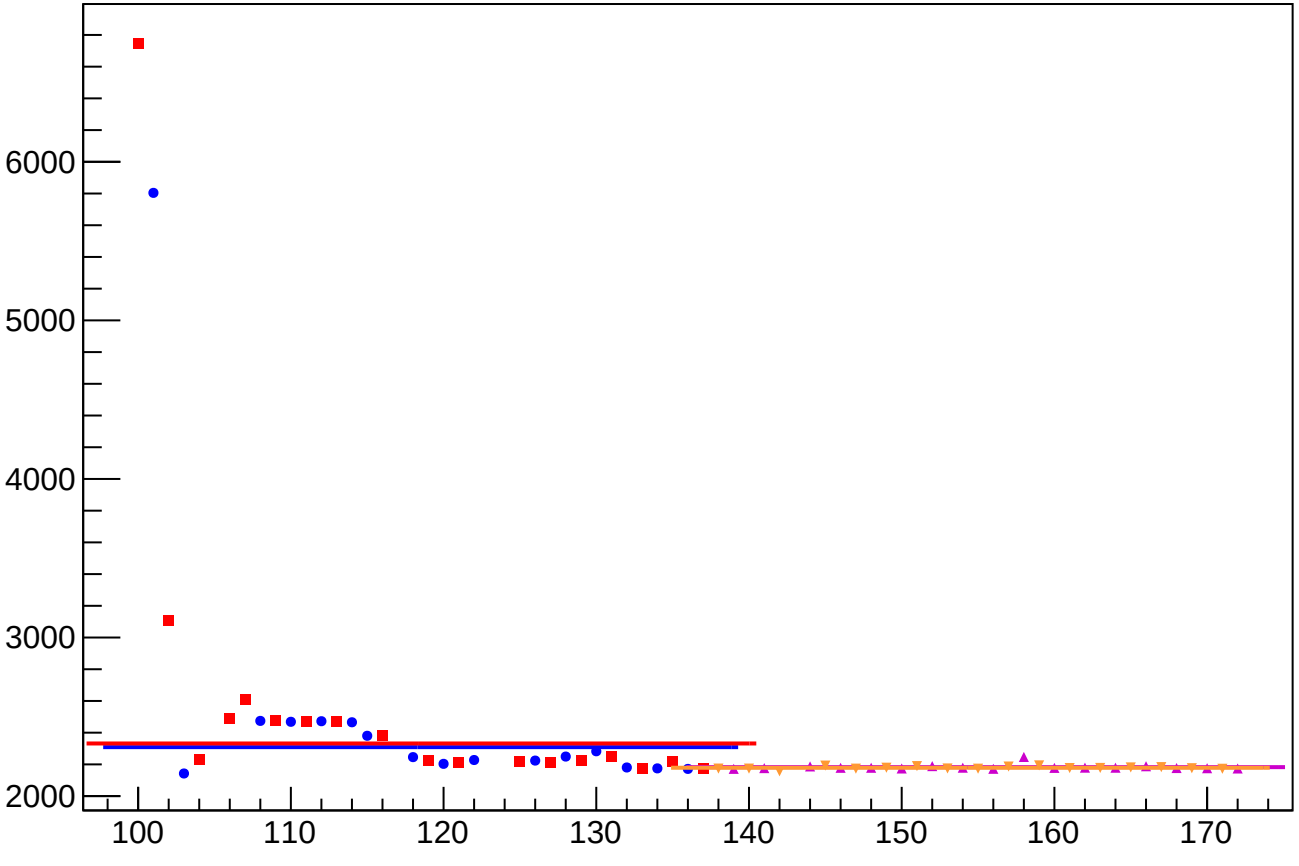
Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -746.909+/-484.703 χ^2/NDF:39.1/32

Out: -755.830+/-491.357 χ^2/NDF:28.4/34

All: -751.309+/-345.065 χ^2/NDF: 67.4/67

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug, Sign Corrected



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.784+/-0.420 χ^2/NDF:368.9/16

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: 2180.765+/-0.294 χ^2/NDF: 2091.0/33

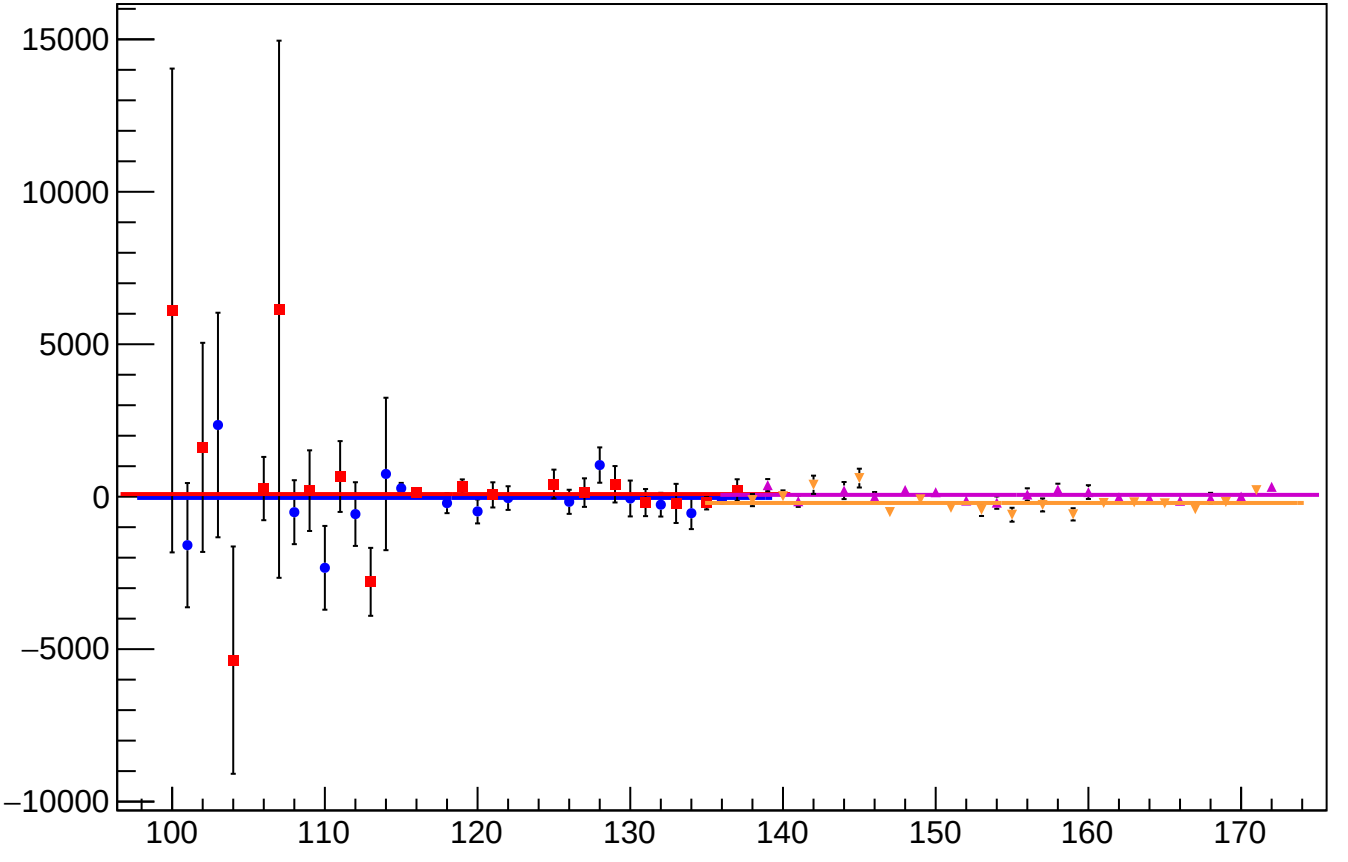
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2221.483+/-0.343 χ^2/NDF:544253.0/32

Out: 2227.208+/-0.347 χ^2/NDF:209666.2/34

All: 2224.307+/-0.244 χ^2/NDF: 754056.9/67

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: -205.338+/-41.532 χ^2/NDF:36.1/16

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: -69.479+/-29.012 χ^2/NDF: 74.4/33

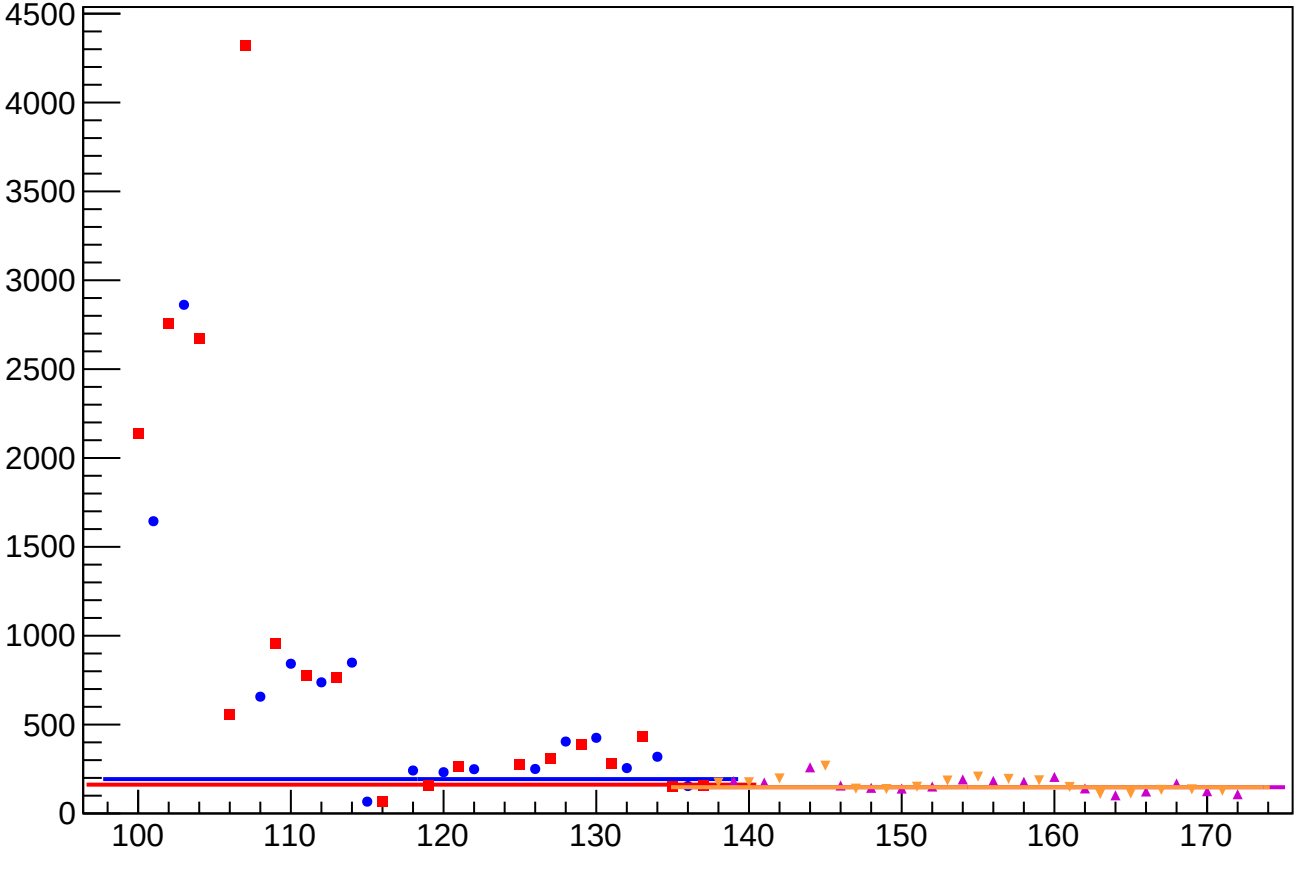
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 43.829+/-37.127 χ^2/NDF:32.4/32

Out: -150.261+/-37.407 χ^2/NDF:60.4/34

All: -52.489+/-26.351 χ^2/NDF: 106.4/67

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: 147.811+/-0.029 χ^2/NDF:1214022.9/16

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 147.566+/-0.029 χ^2/NDF:1351100.1/16

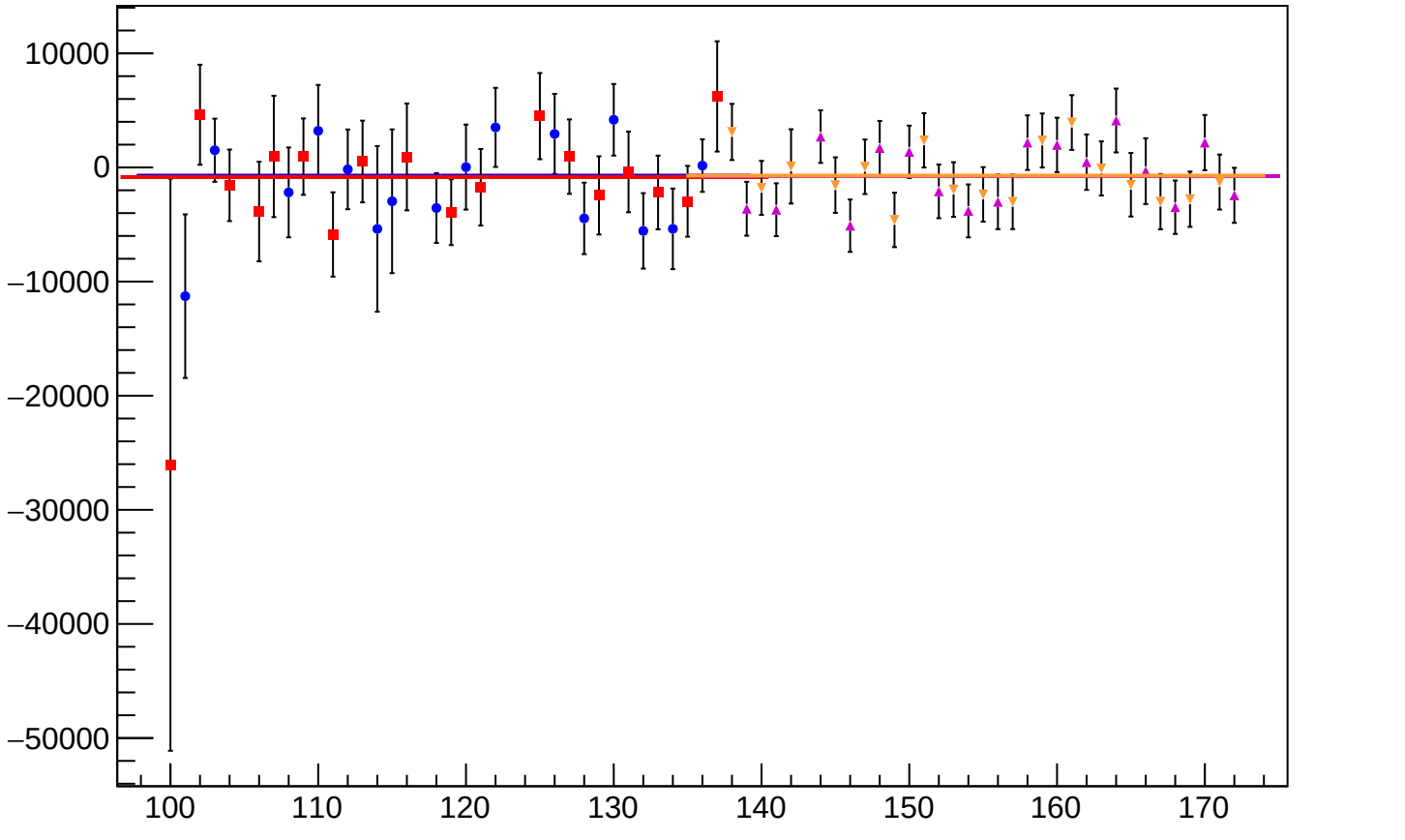
Left: 147.685+/-0.021 χ^2/NDF: 2565158.6/33

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 154.941+/-0.026 χ^2/NDF:7378935.5/32

Out: 150.511+/-0.026 χ^2/NDF:8329297.5/34

All: 152.743+/-0.019 χ^2/NDF: 15722362.9/67



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -715.884+/-594.271 χ^2/NDF:16.2/16

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -760.152+/-582.621 χ^2/NDF:23.2/16

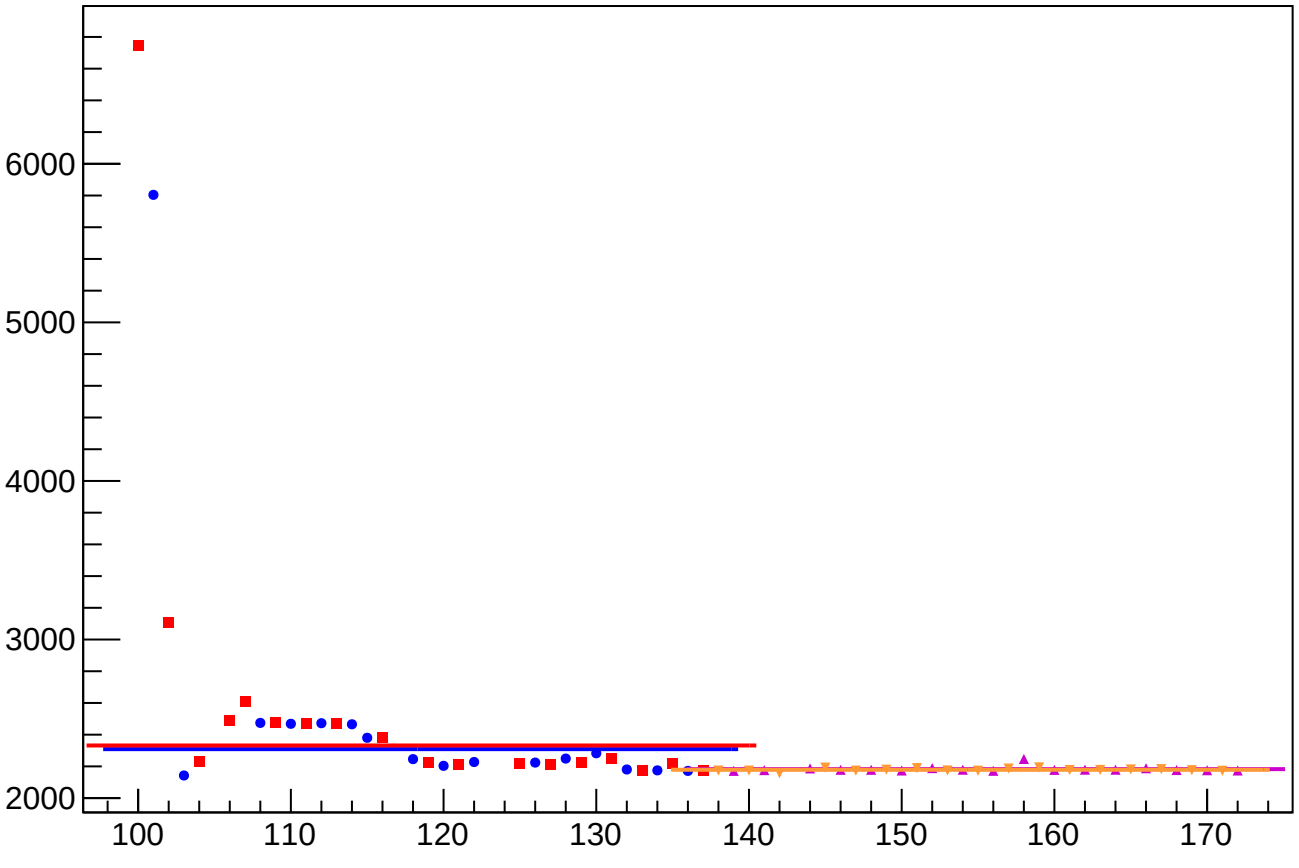
Left: -738.456+/-416.033 χ^2/NDF: 39.4/33

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -746.909+/-484.703 χ^2/NDF:39.1/32

Out: -755.832+/-491.357 χ^2/NDF:28.4/34

All: -751.310+/-345.065 χ^2/NDF: 67.4/67



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.784+/-0.420 χ^2/NDF:368.9/16

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: 2180.765+/-0.294 χ^2/NDF: 2091.0/33

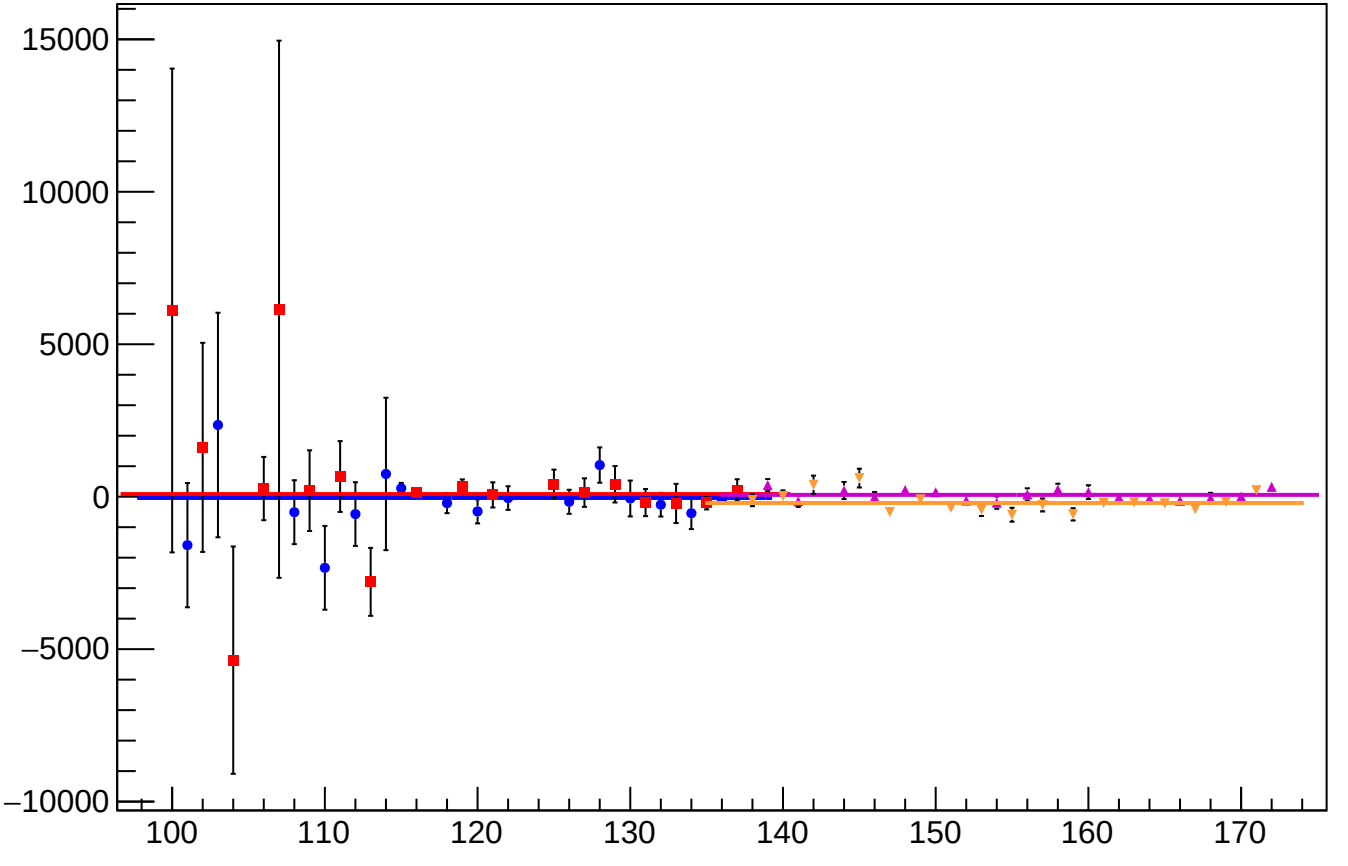
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2221.483+/-0.343 χ^2/NDF:544253.0/32

Out: 2227.208+/-0.347 χ^2/NDF:209666.1/34

All: 2224.307+/-0.244 χ^2/NDF: 754056.7/67

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: -205.339+/-41.532 χ^2/NDF:36.1/16

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: -69.481+/-29.012 χ^2/NDF: 74.4/33

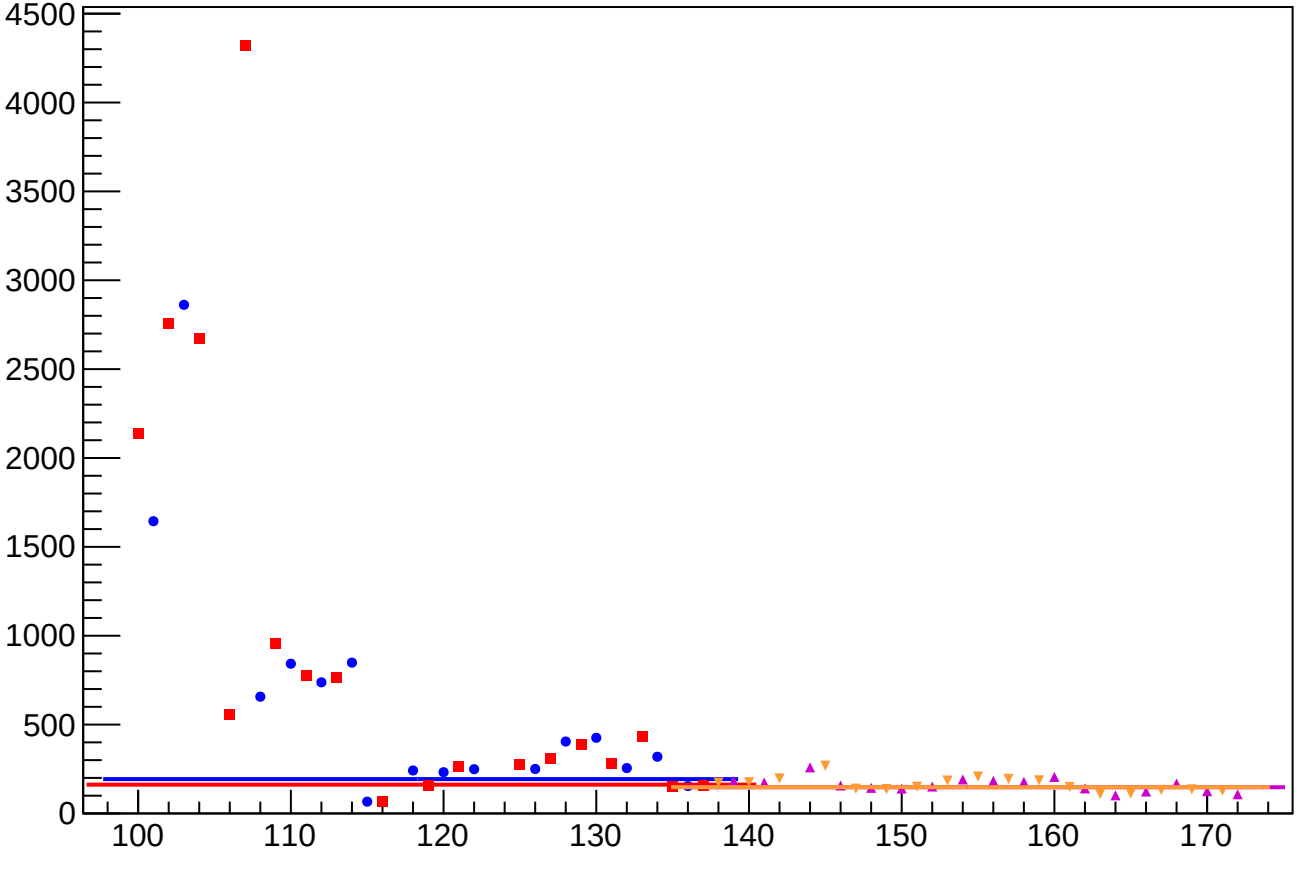
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 43.828+/-37.127 χ^2/NDF:32.4/32

Out: -150.260+/-37.407 χ^2/NDF:60.4/34

All: -52.489+/-26.351 χ^2/NDF: 106.4/67

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: 147.811+/-0.029 χ^2/NDF:1214055.4/16

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 147.566+/-0.029 χ^2/NDF:1351126.1/16

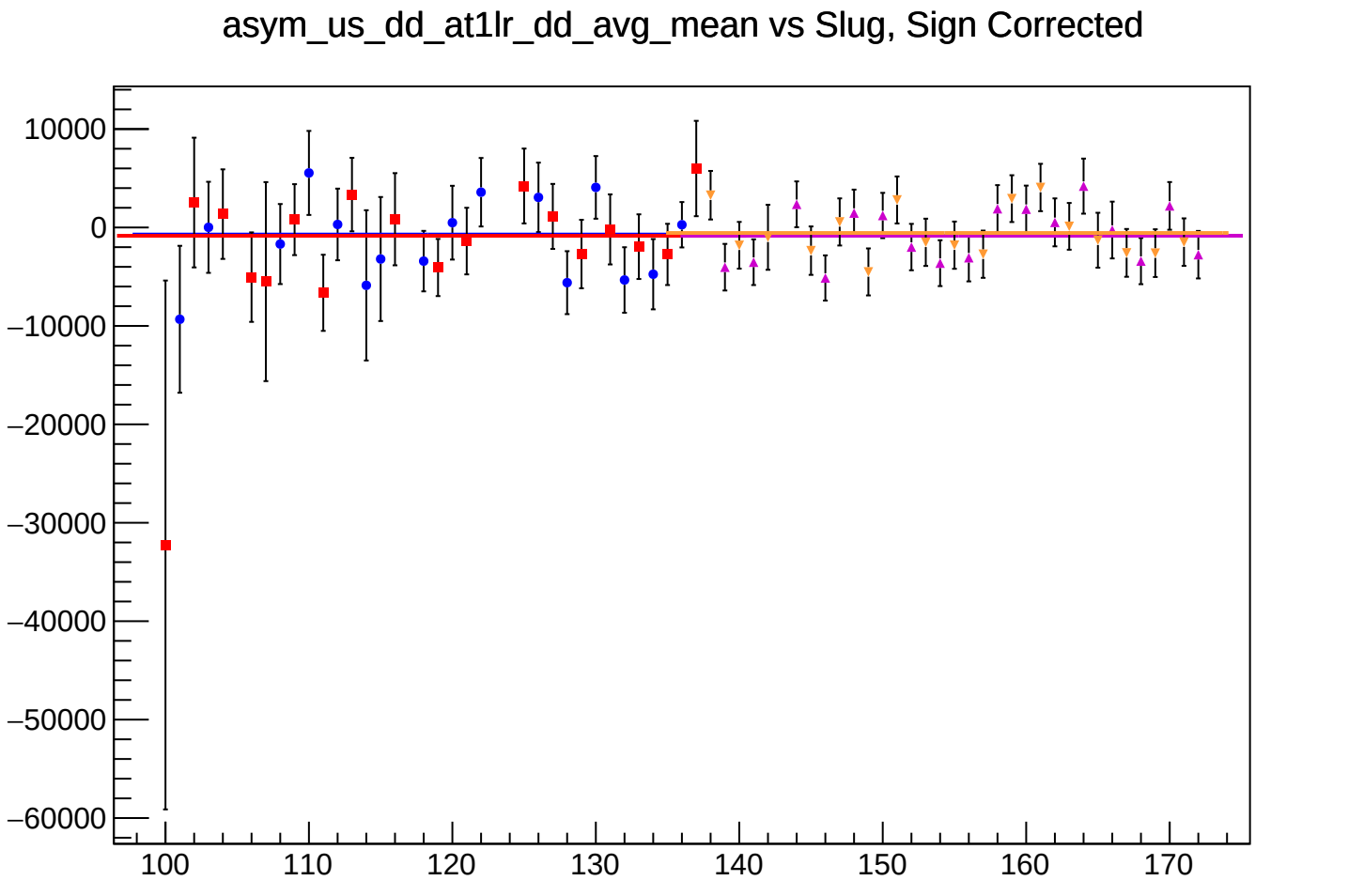
Left: 147.686+/-0.021 χ^2/NDF: 2565216.9/33

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 154.941+/-0.026 χ^2/NDF:7378957.7/32

Out: 150.511+/-0.026 χ^2/NDF:8329376.0/34

All: 152.743+/-0.019 χ^2/NDF: 15722466.9/67



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -559.129+/-596.339 χ^2/NDF:17.0/16

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -838.028+/-584.339 χ^2/NDF:22.4/16

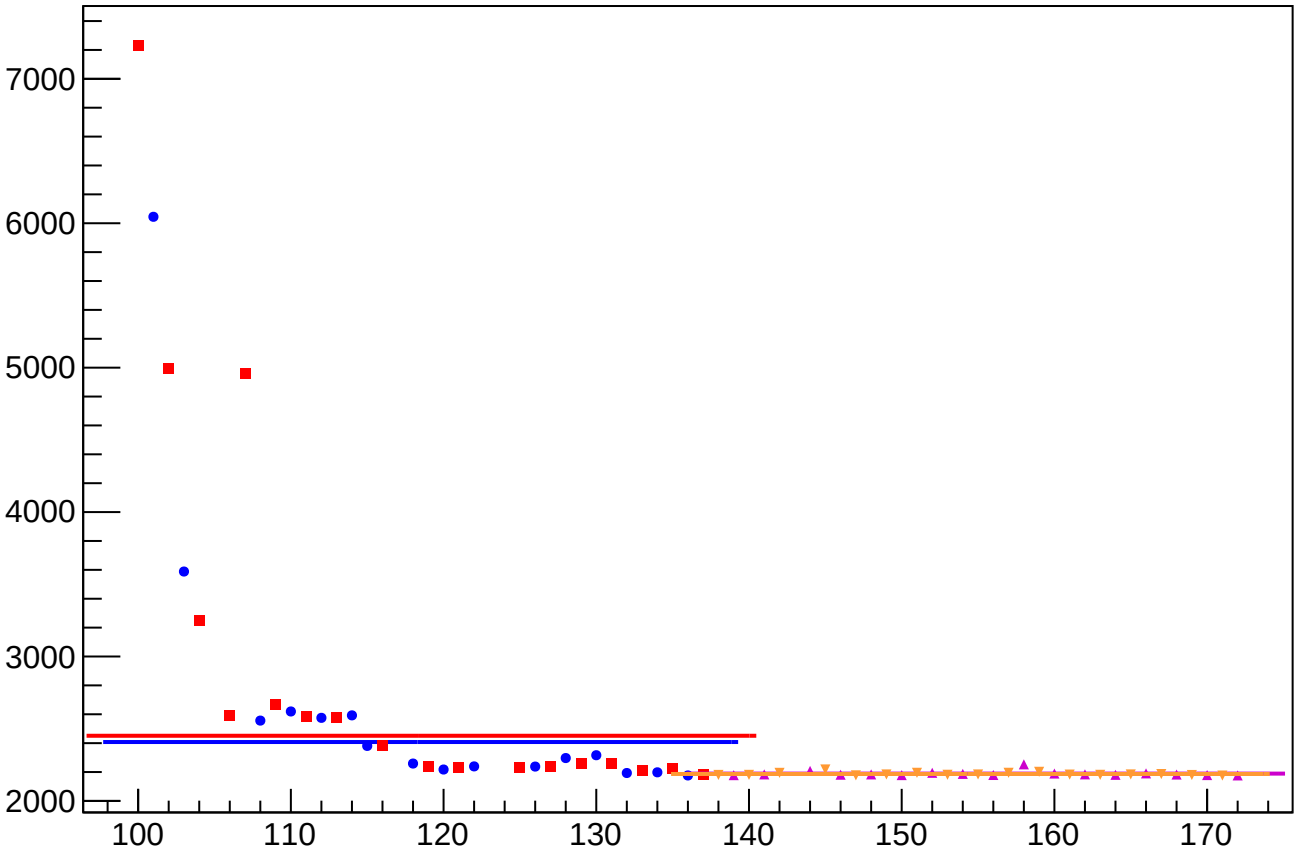
Left: -701.413+/-417.368 χ^2/NDF: 39.5/33

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -803.776+/-492.671 χ^2/NDF:38.2/32

Out: -642.532+/-501.795 χ^2/NDF:30.0/34

All: -724.633+/-351.553 χ^2/NDF: 68.2/67



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2186.546+/-0.422 χ^2/NDF:618.1/16

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: 2187.848+/-0.295 χ^2/NDF: 2491.6/33

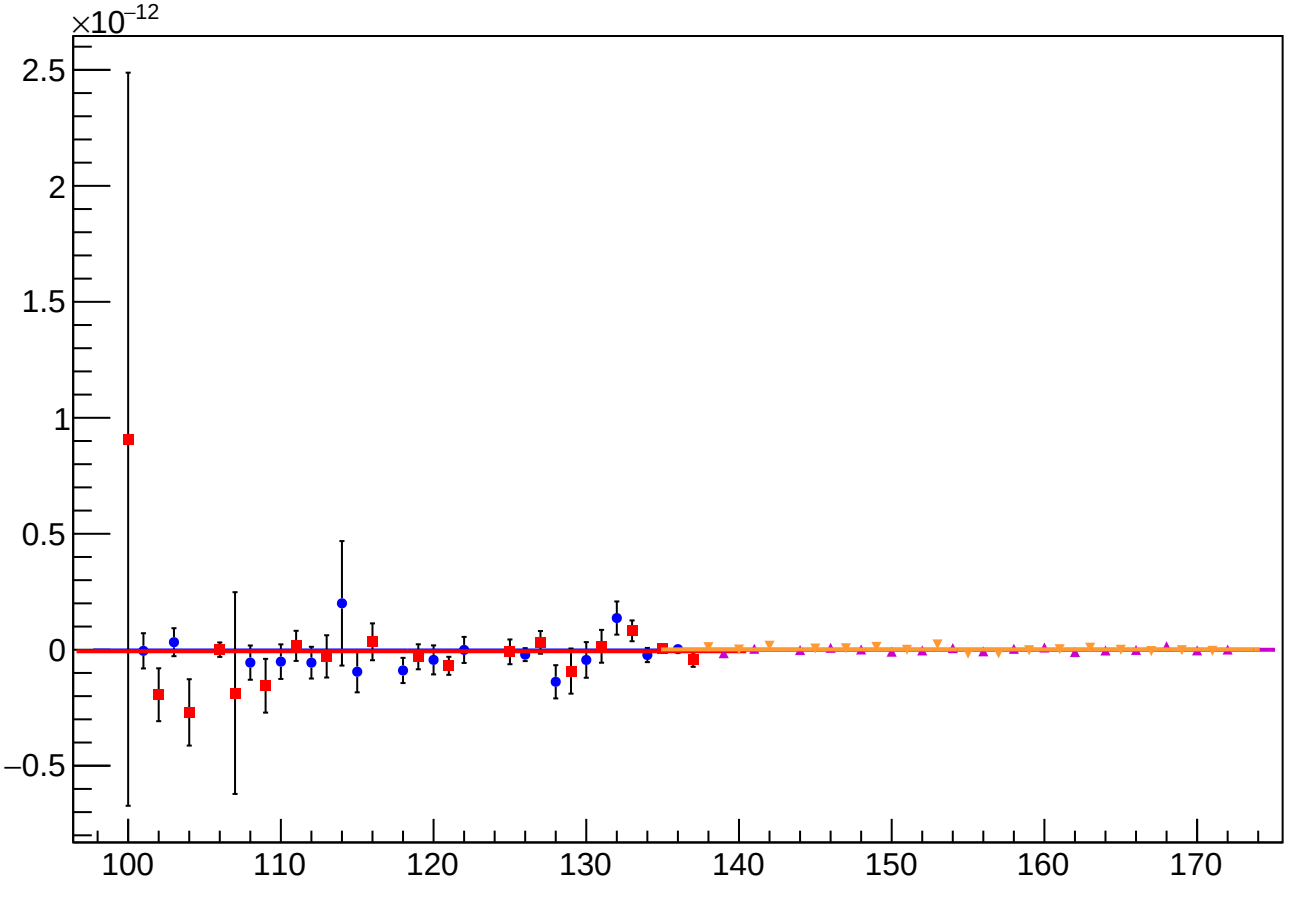
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2252.332+/-0.348 χ^2/NDF:759747.3/32

Out: 2263.807+/-0.355 χ^2/NDF:749209.8/34

All: 2257.964+/-0.249 χ^2/NDF: 1509489.7/67

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:15.8/16

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:12.3/16

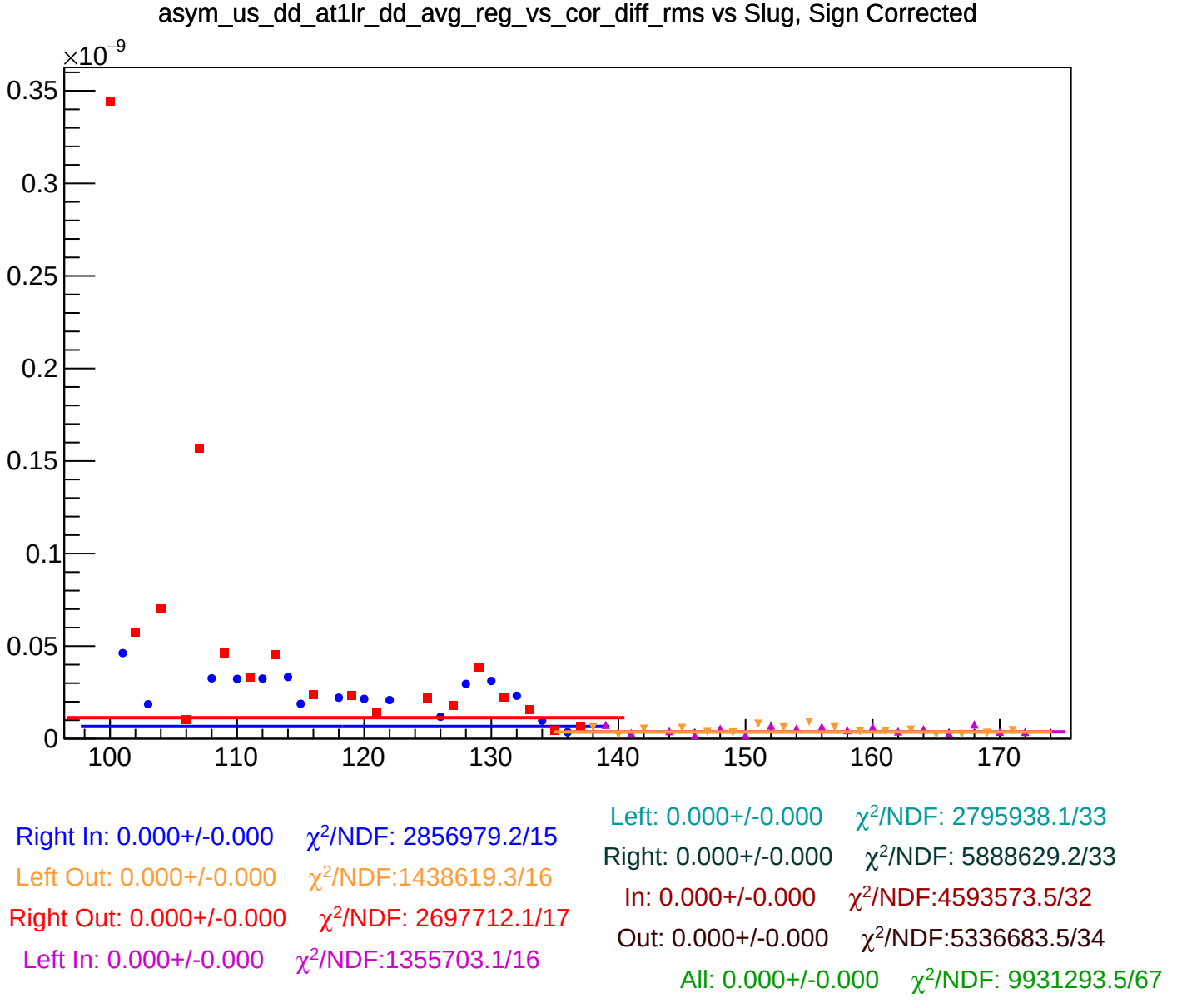
Left: 0.000+/-0.000 χ^2/NDF: 28.4/33

Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

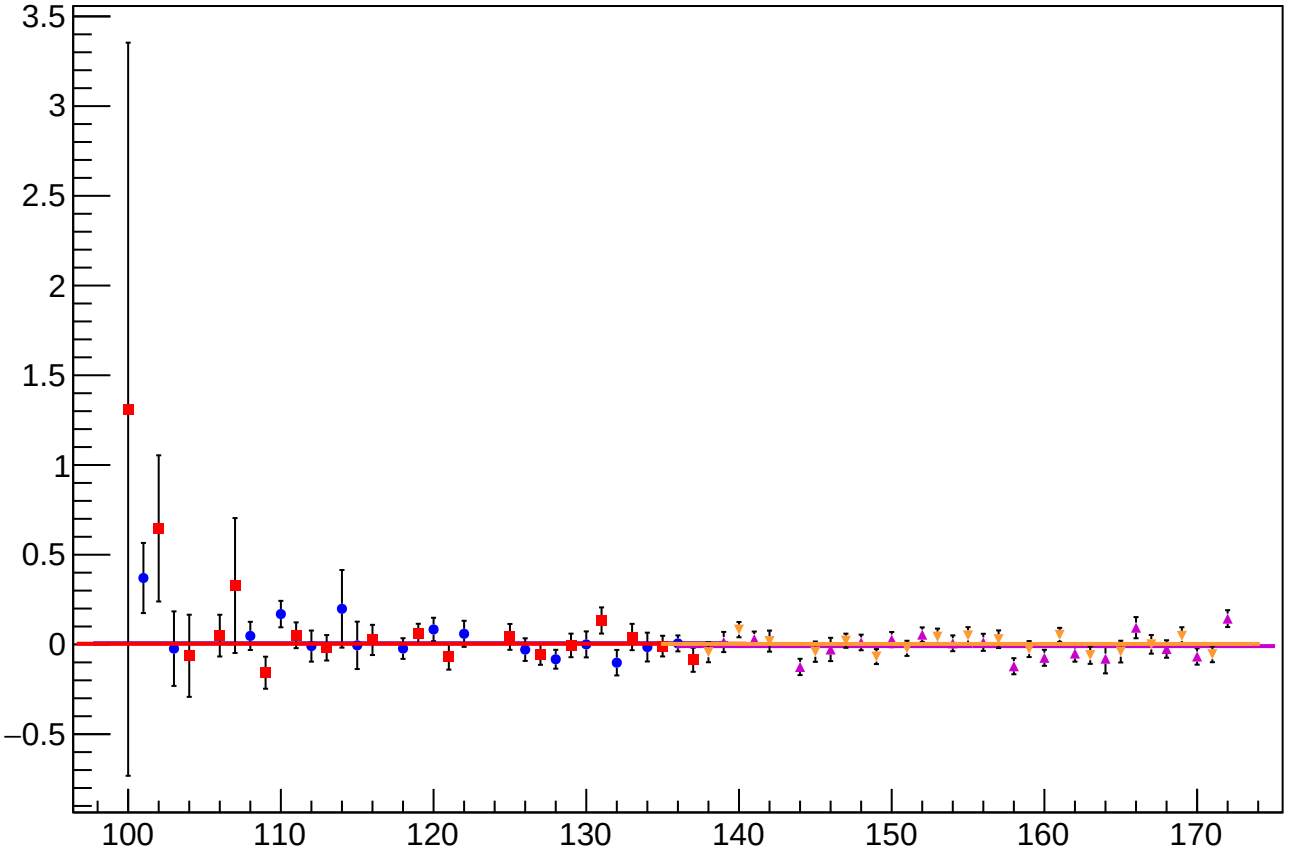
In: -0.000+/-0.000 χ^2/NDF:28.2/32

Out: 0.000+/-0.000 χ^2/NDF:35.3/34

All: 0.000+/-0.000 χ^2/NDF: 63.8/67


asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2856979.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1438619.3/16
Right Out: 0.000+/-0.000 χ²/NDF: 2697712.1/17
Left In: 0.000+/-0.000 χ²/NDF:1355703.1/16
Left: 0.000+/-0.000 χ²/NDF: 2795938.1/33
Right: 0.000+/-0.000 χ²/NDF: 5888629.2/33
In: 0.000+/-0.000 χ²/NDF:4593573.5/32
Out: 0.000+/-0.000 χ²/NDF:5336683.5/34
All: 0.000+/-0.000 χ²/NDF: 9931293.5/67

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: 0.003+/-0.011 χ^2/NDF:17.0/16

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: -0.003+/-0.008 χ^2/NDF: 54.3/33

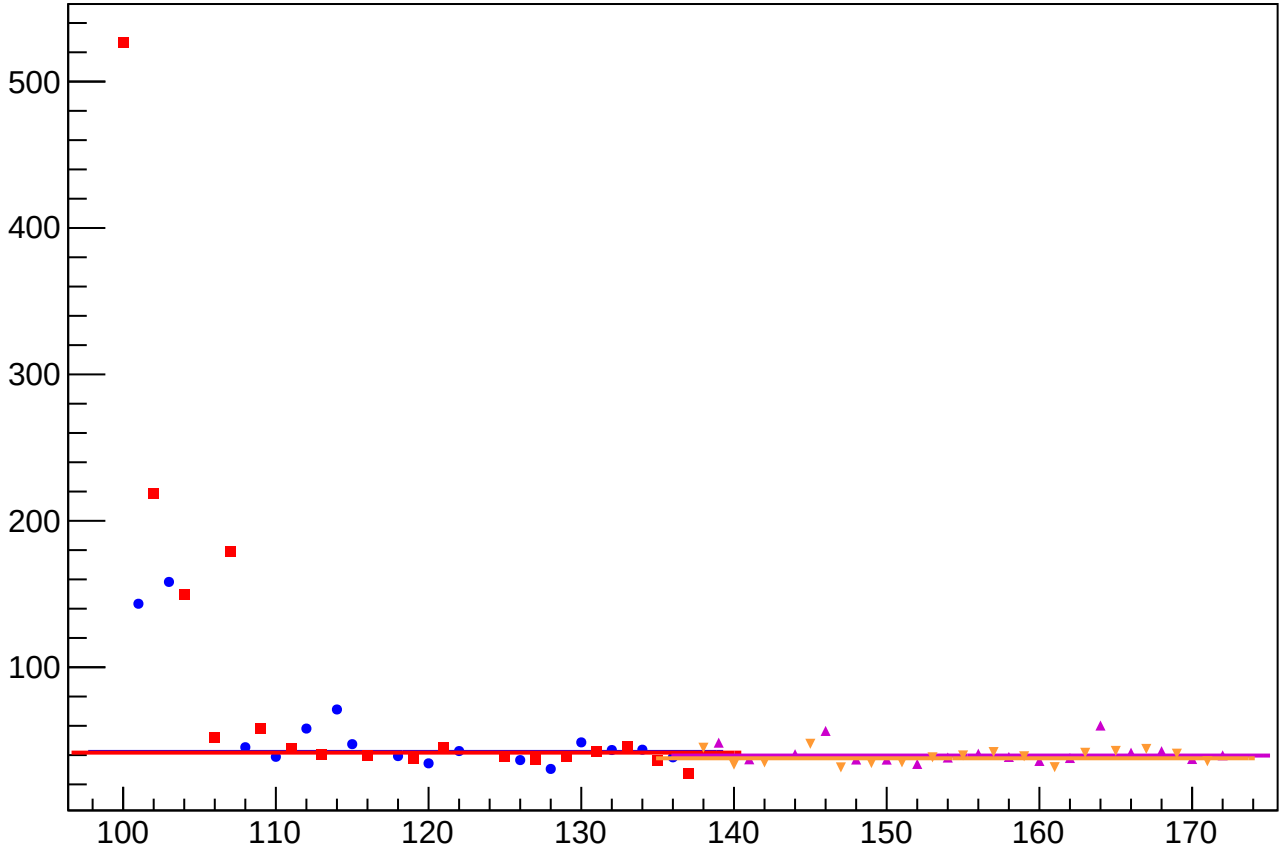
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.005+/-0.010 χ^2/NDF:54.4/32

Out: 0.003+/-0.010 χ^2/NDF:33.3/34

All: -0.001+/-0.007 χ^2/NDF: 88.1/67

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: 37.827+/-0.008 χ^2/NDF:327488.8/16

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: 38.743+/-0.006 χ^2/NDF: 761533.1/33

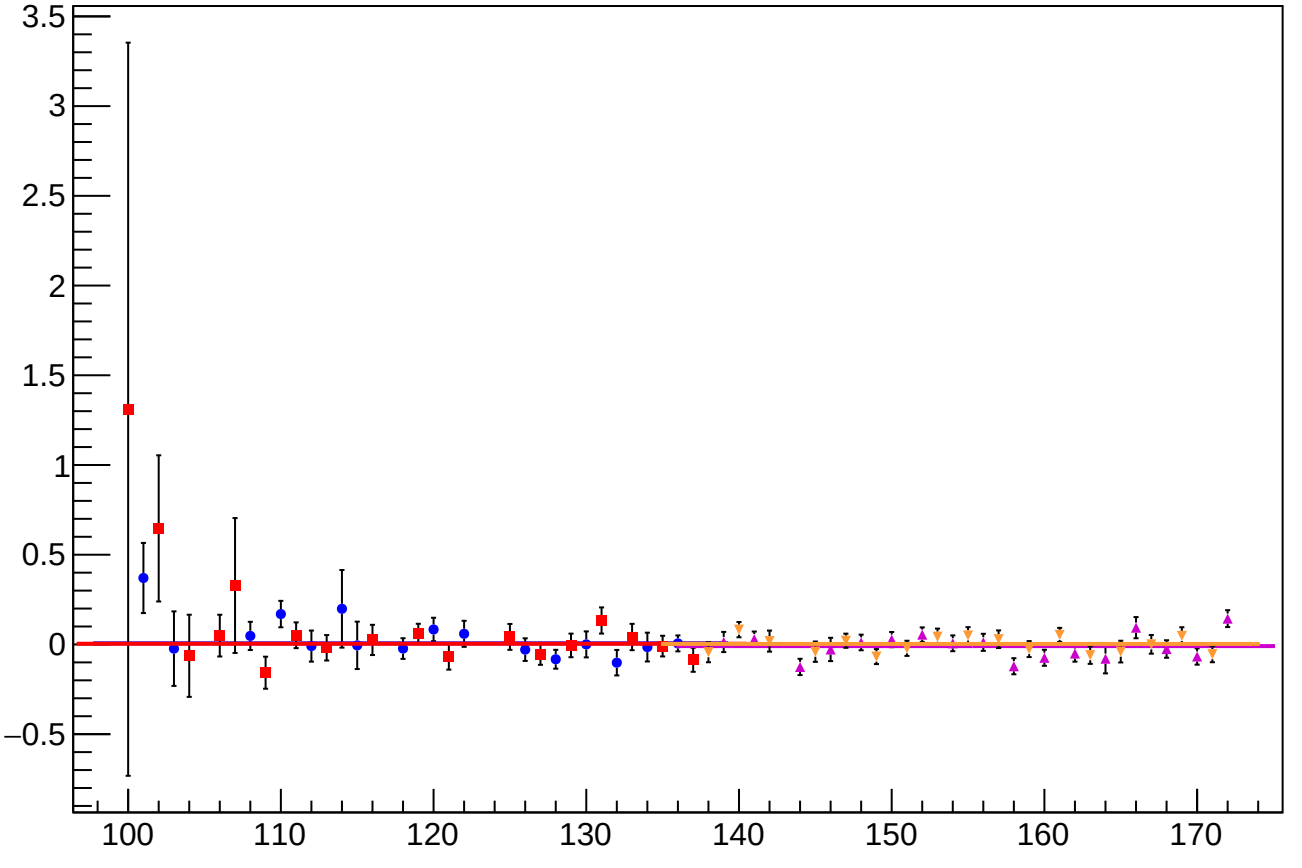
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.395+/-0.007 χ^2/NDF:1888262.1/32

Out: 38.877+/-0.007 χ^2/NDF:1831673.7/34

All: 39.631+/-0.005 χ^2/NDF: 3744341.6/67

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: 0.003+/-0.011 χ^2/NDF:17.0/16

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: -0.003+/-0.008 χ^2/NDF: 54.3/33

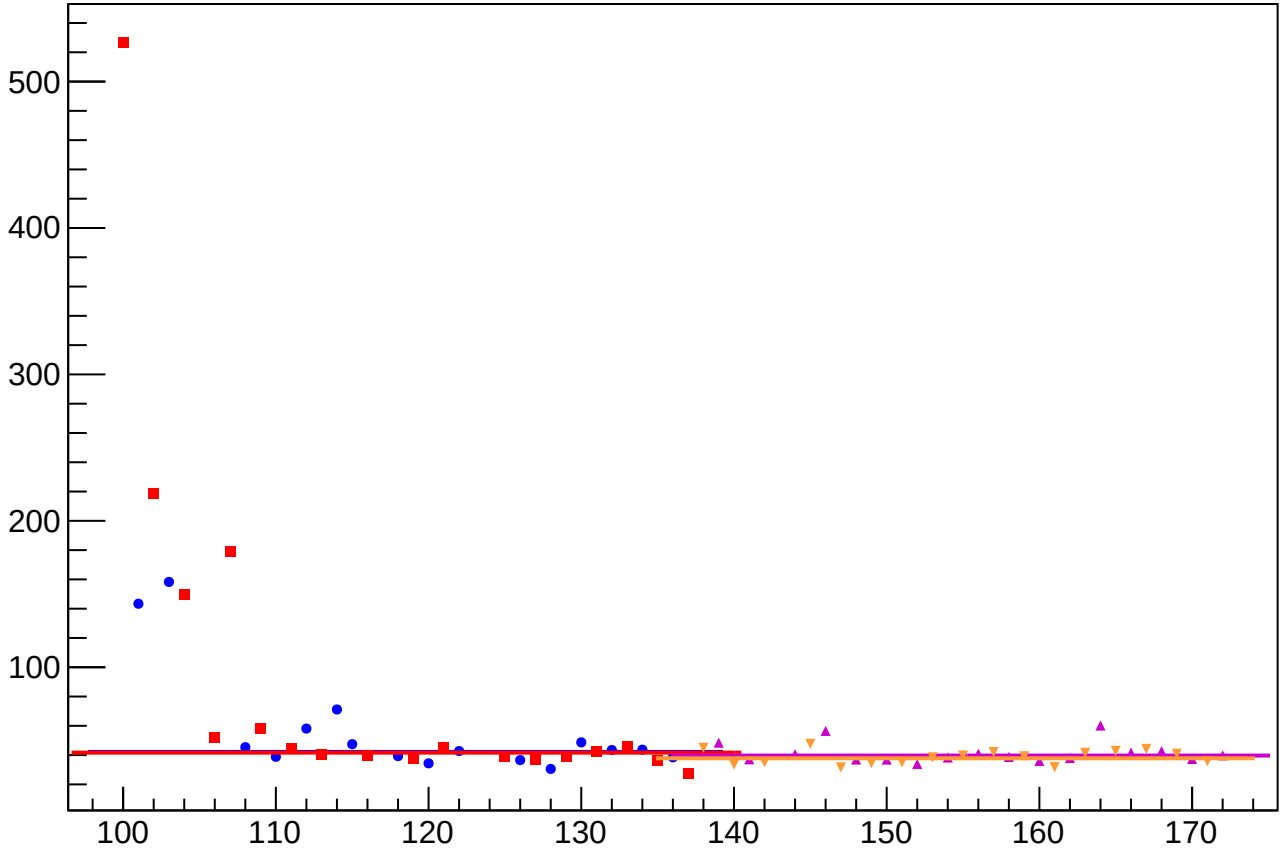
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.005+/-0.010 χ^2/NDF:54.4/32

Out: 0.003+/-0.010 χ^2/NDF:33.3/34

All: -0.001+/-0.007 χ^2/NDF: 88.1/67

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: 37.827+/-0.008 χ^2/NDF:327488.8/16

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.688+/-0.008 χ^2/NDF:407572.3/16

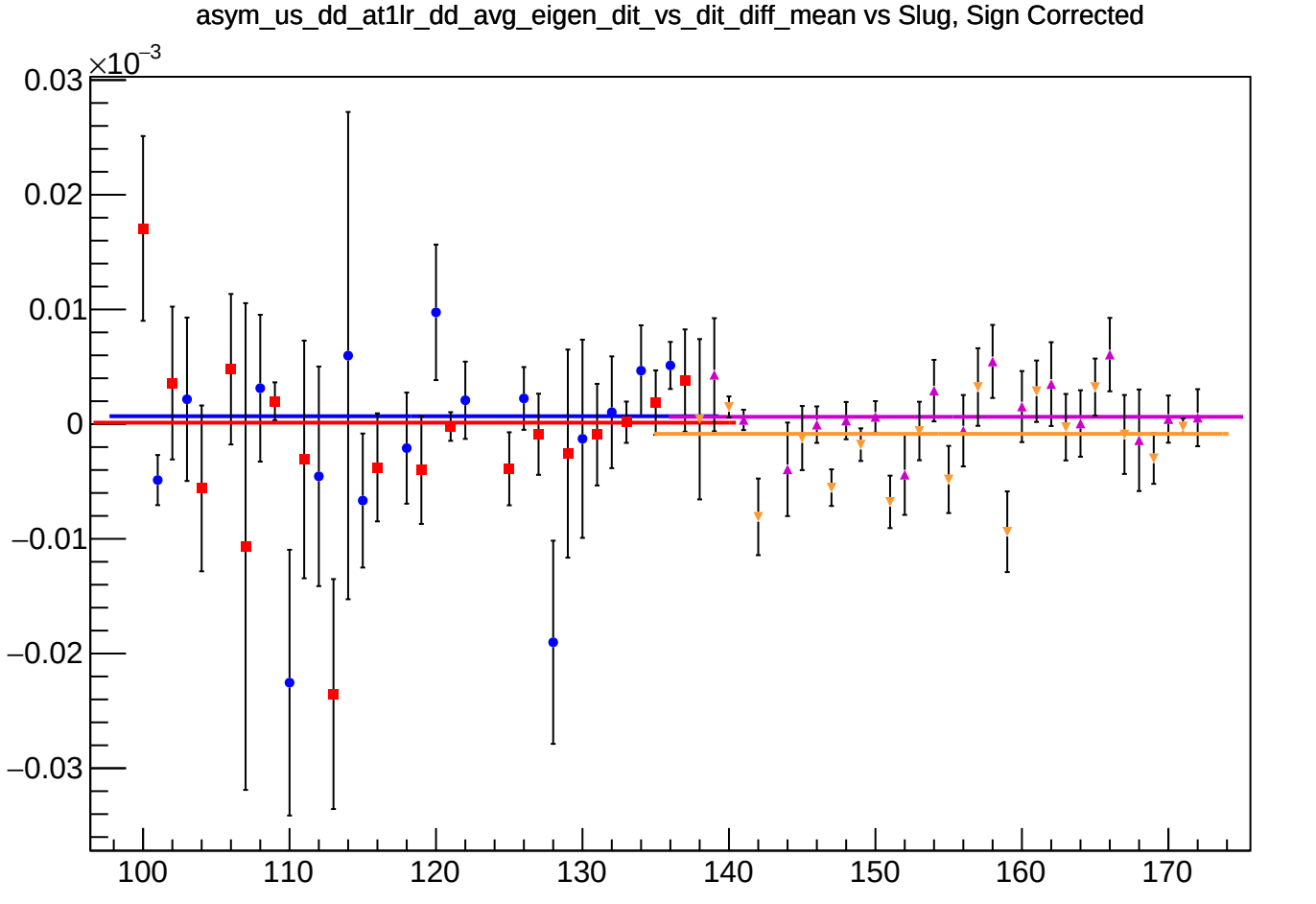
Left: 38.743+/-0.006 χ^2/NDF: 761533.1/33

Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.395+/-0.007 χ^2/NDF:1888262.1/32

Out: 38.877+/-0.007 χ^2/NDF:1831673.7/34

All: 39.631+/-0.005 χ^2/NDF: 3744341.6/67



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.7/16

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:11.2/16

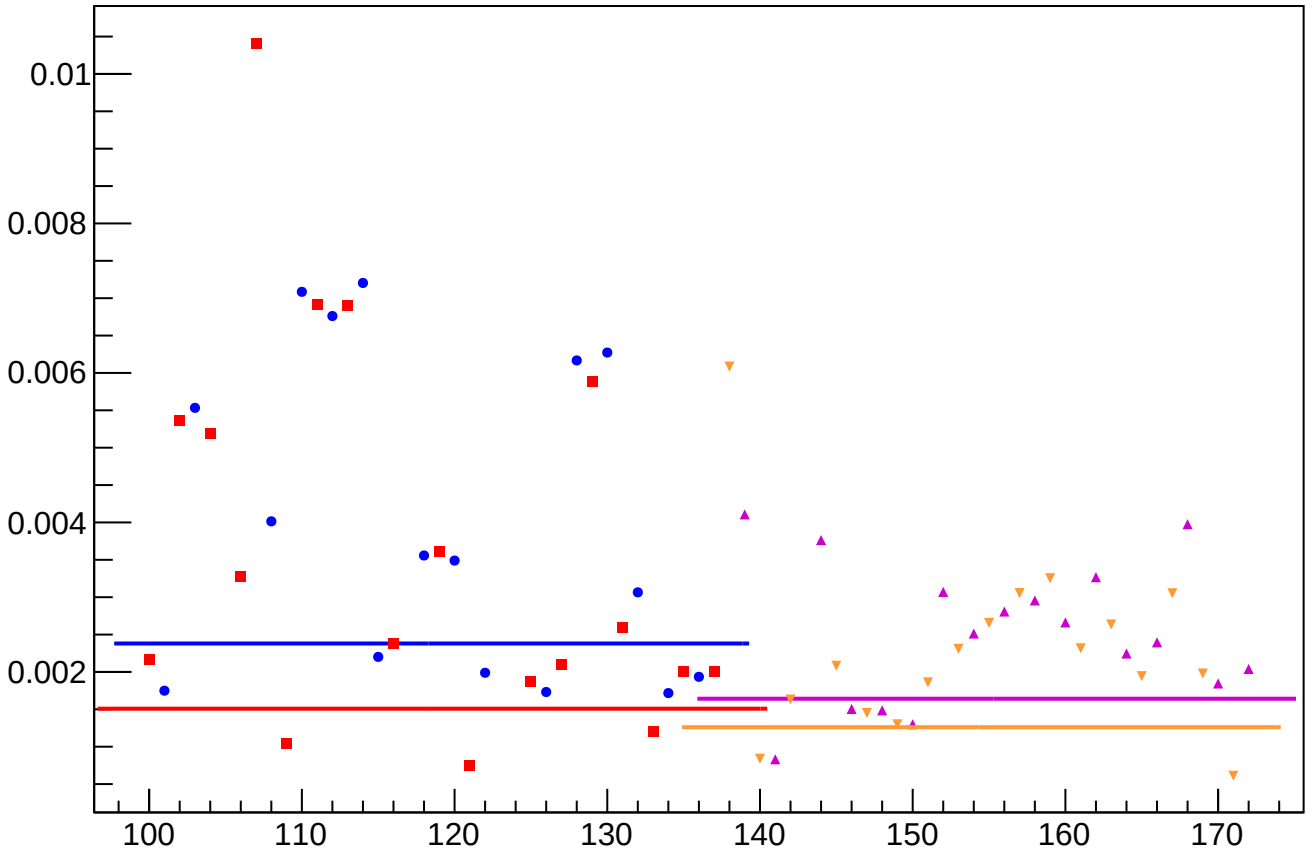
Left: -0.000+/-0.000 χ^2/NDF: 59.0/33

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:61.4/34

All: -0.000+/-0.000 χ^2/NDF: 103.8/67



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:7090641.9/16

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: 13235197.1/33

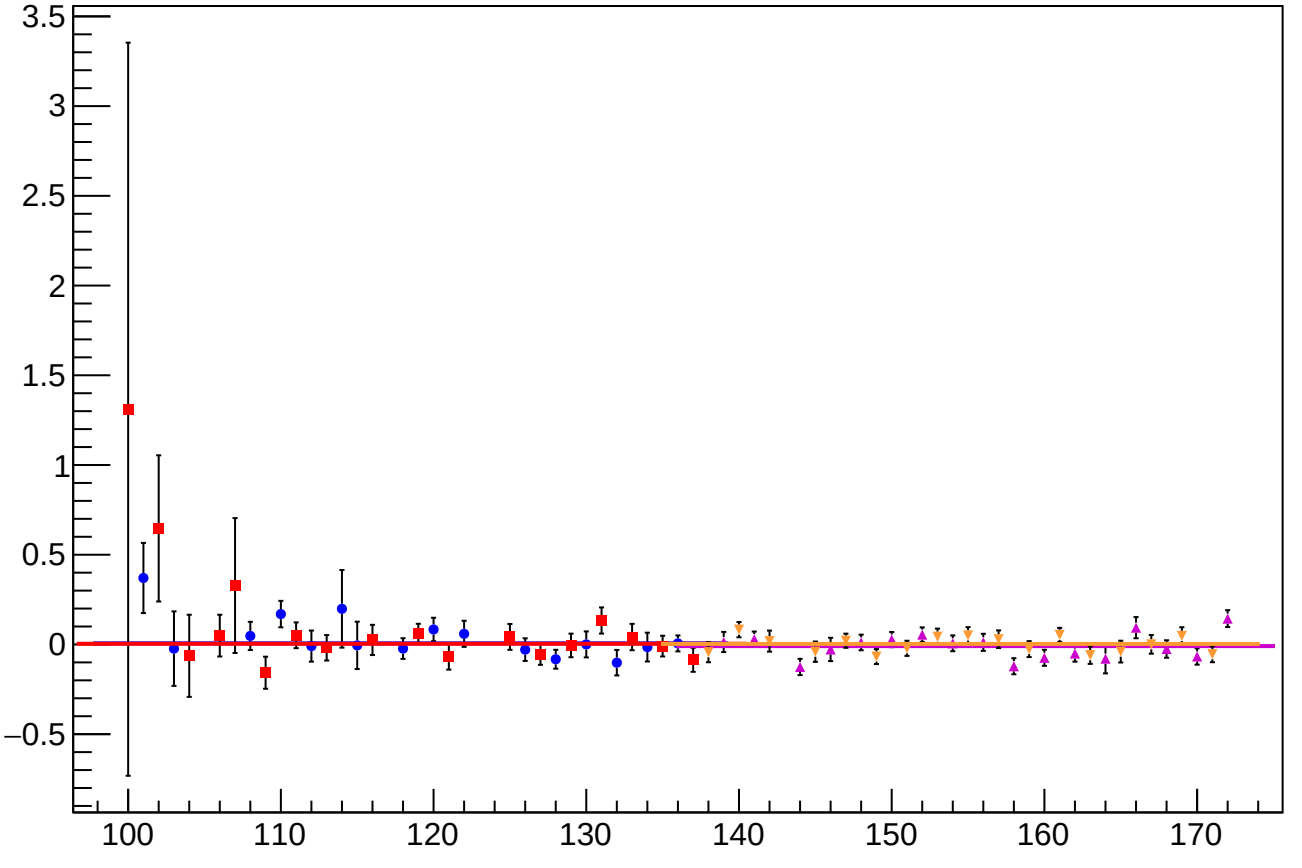
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:9149428.7/32

Out: 0.001+/-0.000 χ^2/NDF:12268436.0/34

All: 0.002+/-0.000 χ^2/NDF: 22697692.8/67

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: 0.003+/-0.011 χ^2/NDF:17.0/16

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: -0.003+/-0.008 χ^2/NDF: 54.3/33

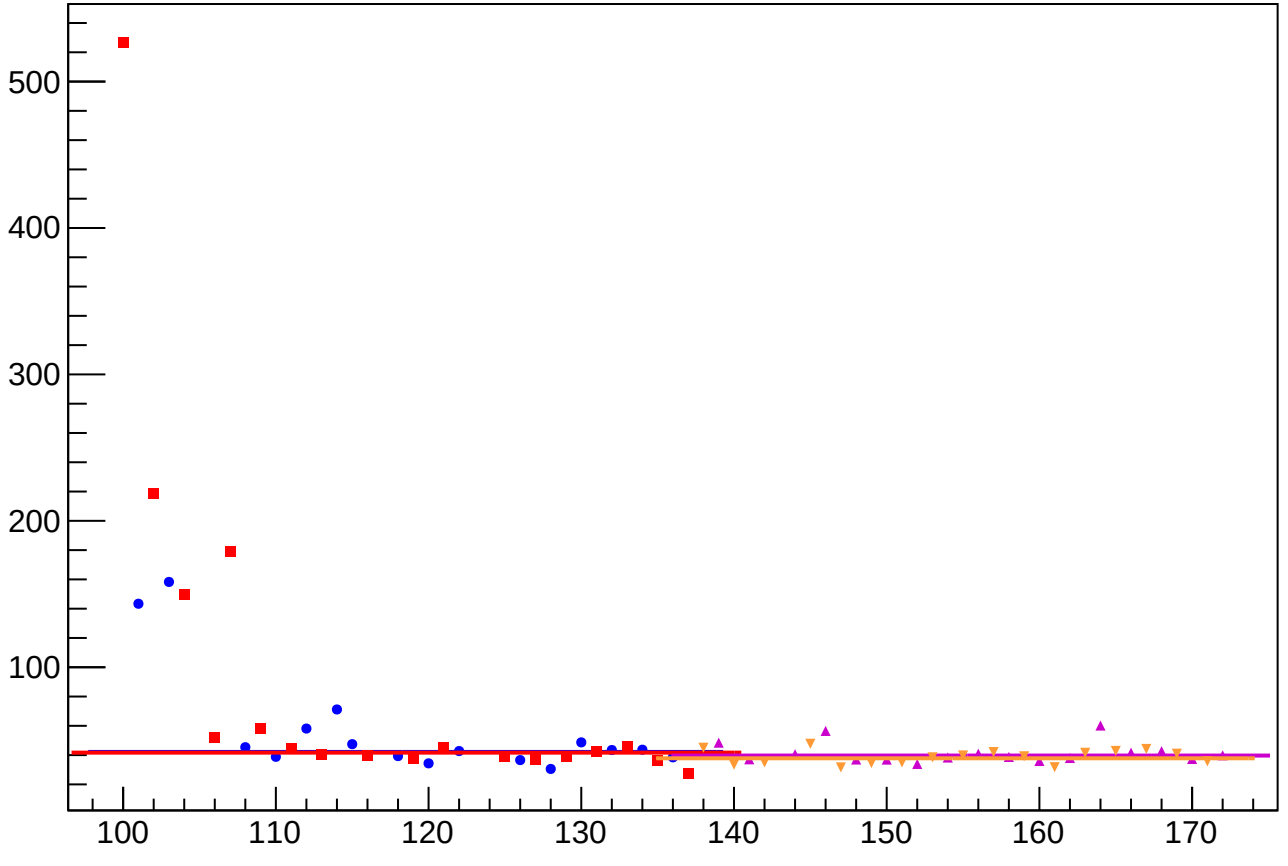
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.005+/-0.010 χ^2/NDF:54.4/32

Out: 0.003+/-0.010 χ^2/NDF:33.3/34

All: -0.001+/-0.007 χ^2/NDF: 88.1/67

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: 37.828+/-0.008 χ^2/NDF:327478.4/16

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: 38.743+/-0.006 χ^2/NDF: 761556.2/33

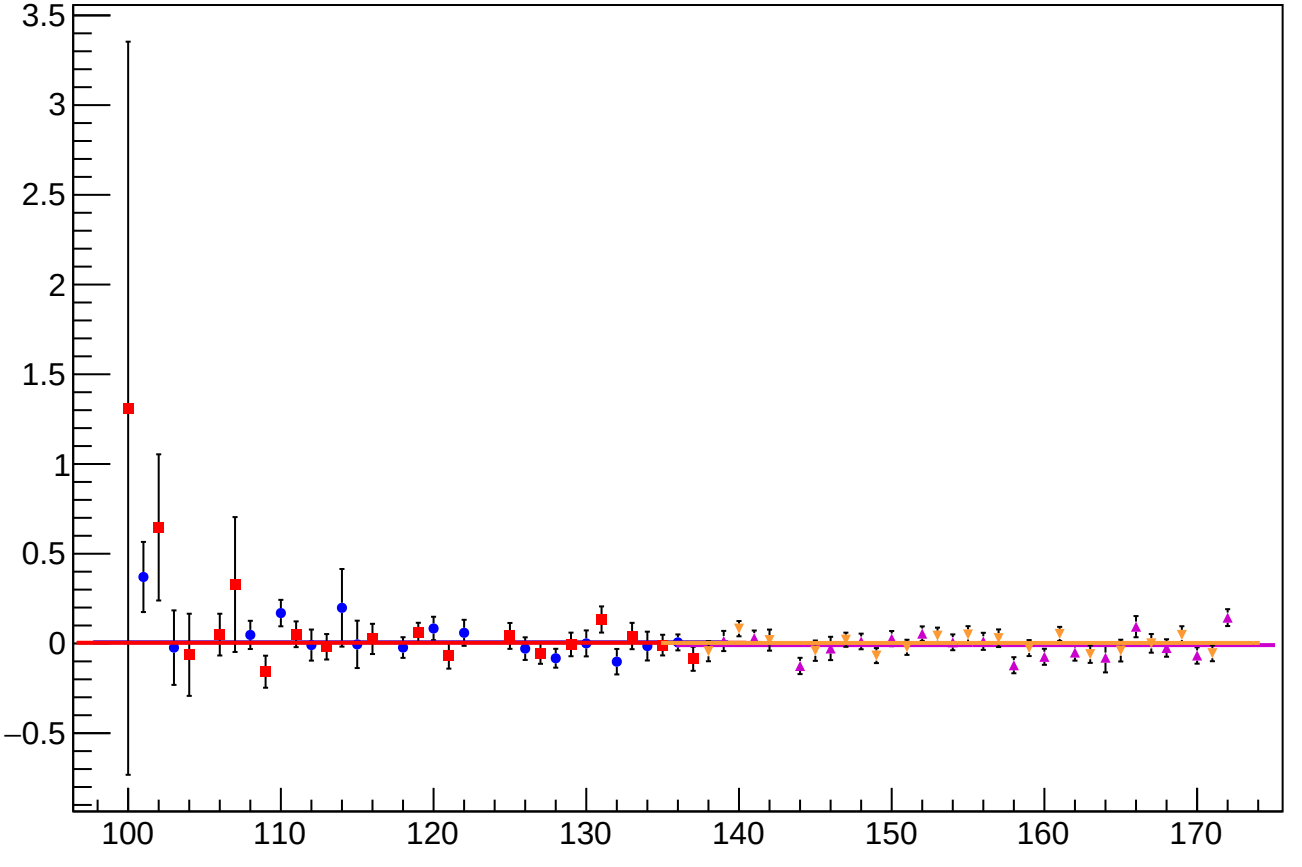
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.394+/-0.007 χ^2/NDF:1888461.0/32

Out: 38.877+/-0.007 χ^2/NDF:1831654.0/34

All: 39.630+/-0.005 χ^2/NDF: 3744493.6/67

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: 0.003+/-0.011 χ^2/NDF:17.0/16

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: -0.003+/-0.008 χ^2/NDF: 54.3/33

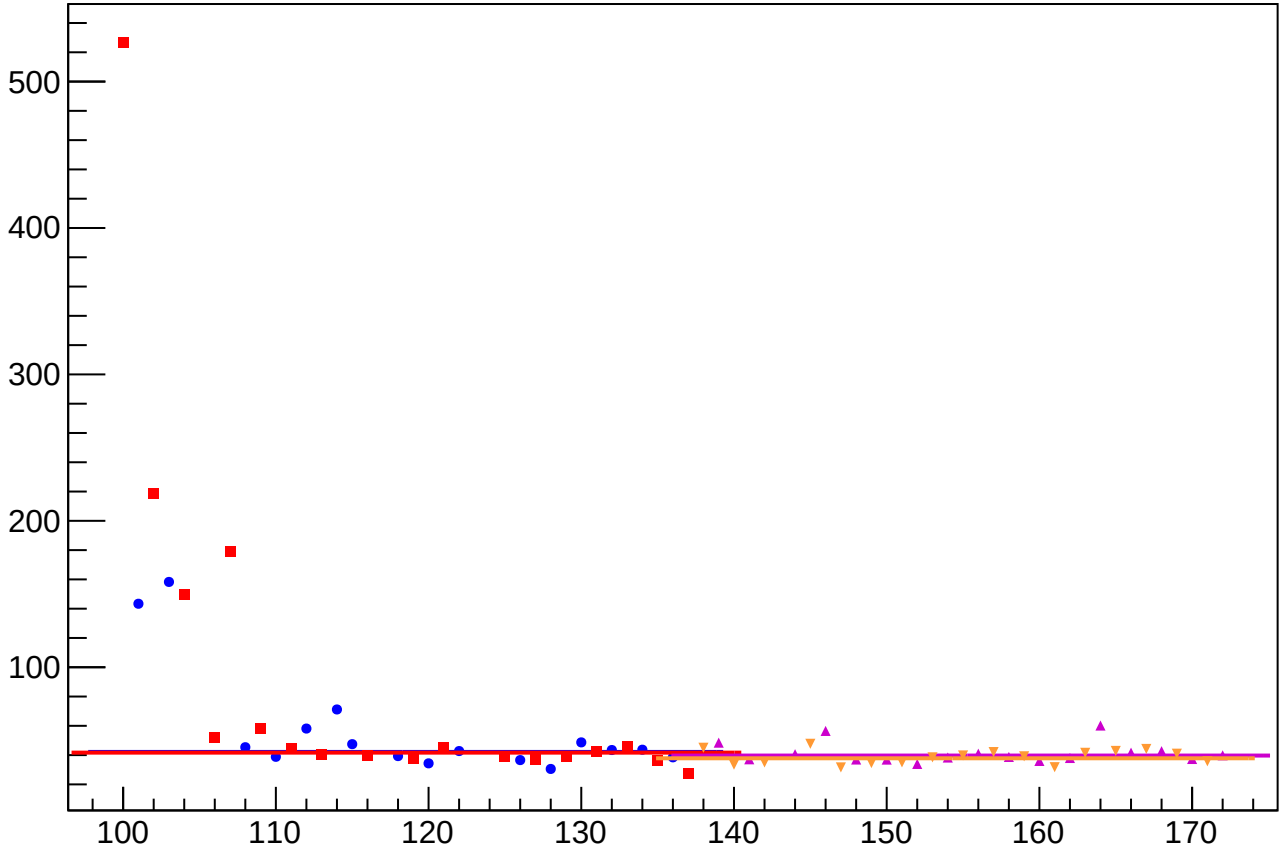
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.005+/-0.010 χ^2/NDF:54.4/32

Out: 0.003+/-0.010 χ^2/NDF:33.3/34

All: -0.001+/-0.007 χ^2/NDF: 88.1/67

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: 37.828+/-0.008 χ^2/NDF:327478.4/16

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: 38.743+/-0.006 χ^2/NDF: 761556.2/33

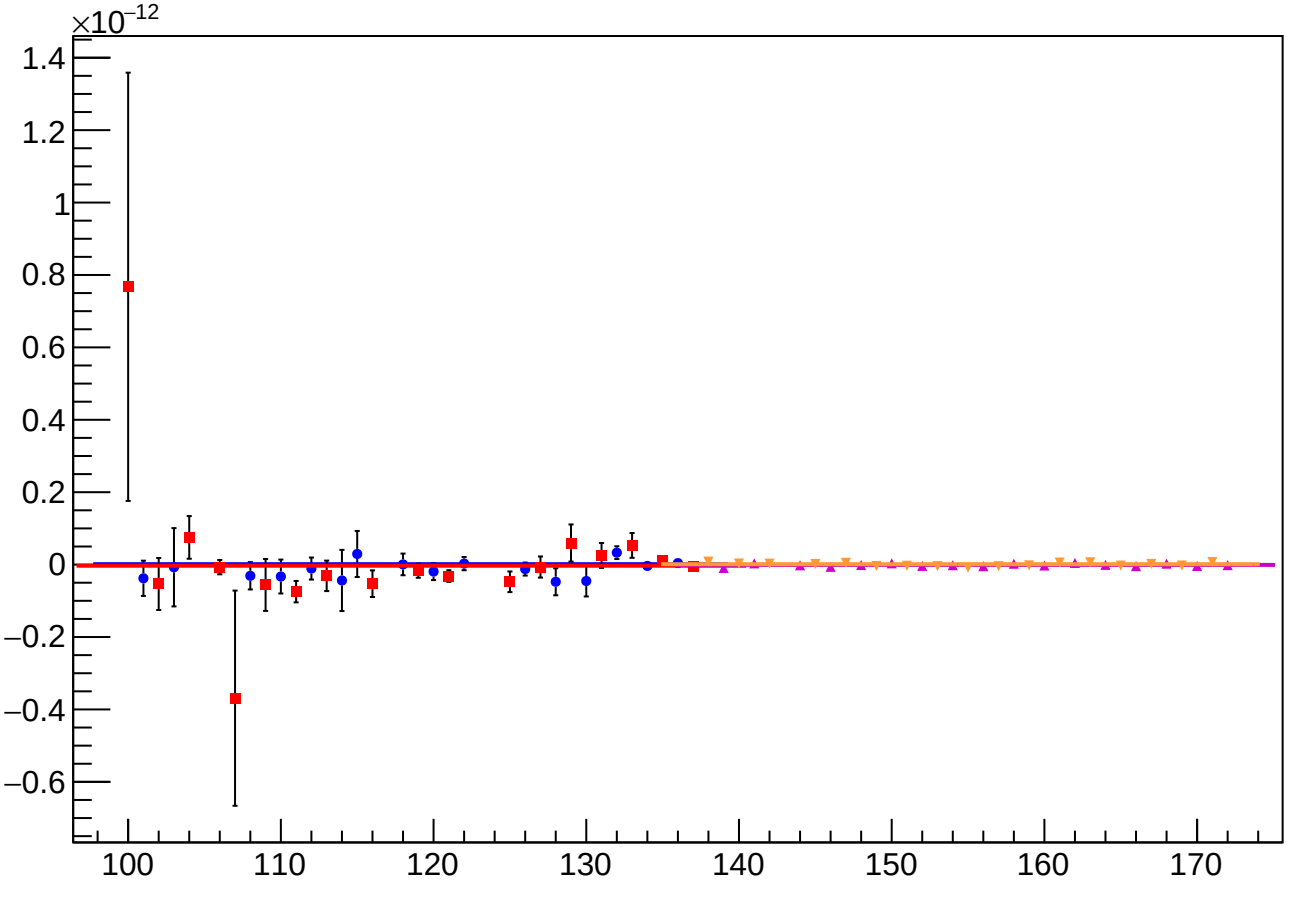
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.394+/-0.007 χ^2/NDF:1888461.0/32

Out: 38.877+/-0.007 χ^2/NDF:1831654.0/34

All: 39.630+/-0.005 χ^2/NDF: 3744493.6/67

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:13.9/16

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:9.4/16

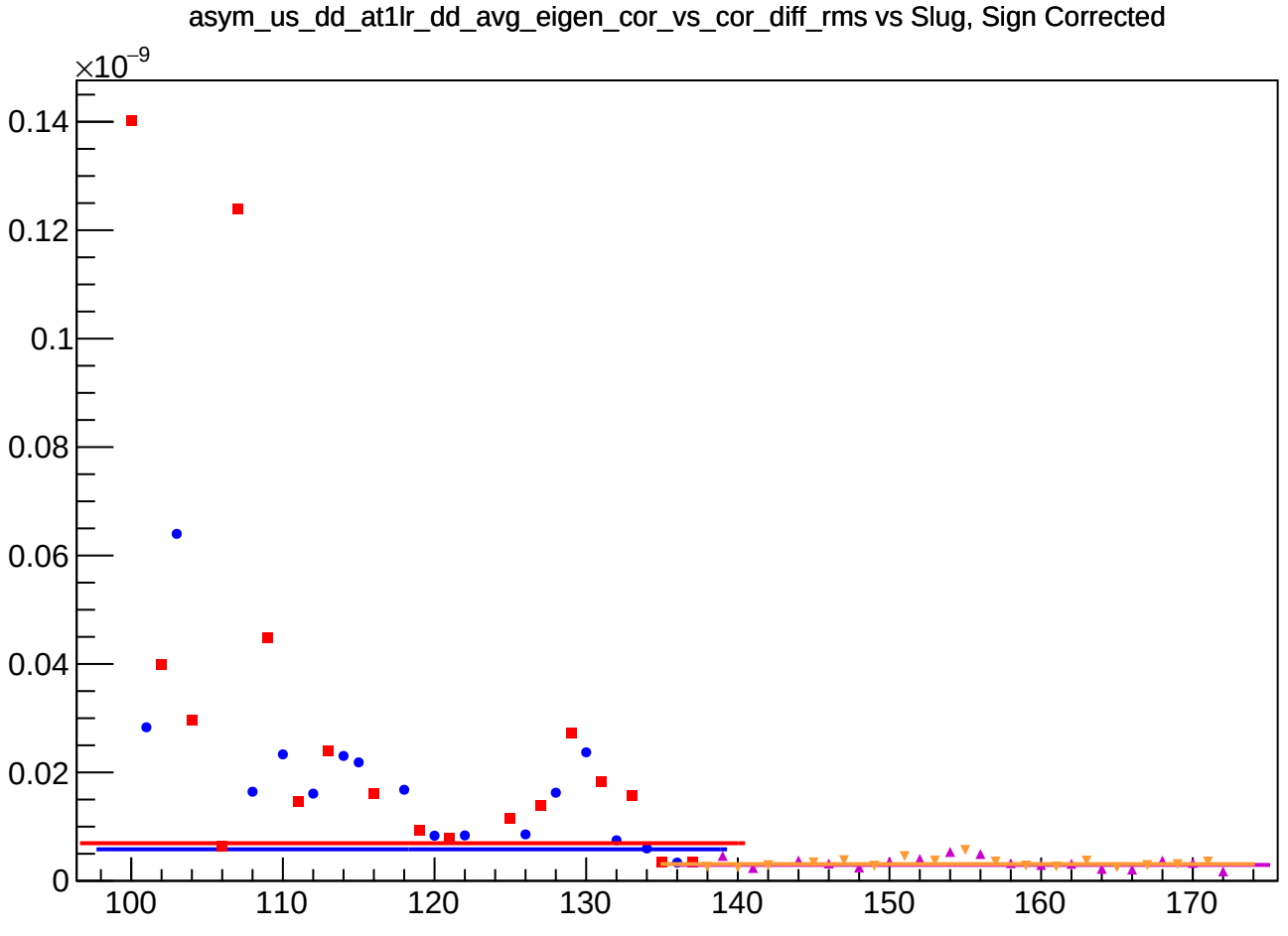
Left: 0.000+/-0.000 χ^2/NDF: 24.6/33

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:43.4/34

All: 0.000+/-0.000 χ^2/NDF: 64.5/67



Right In: 0.000+/-0.000 χ^2/NDF: 3296021.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:592898.6/16

Right Out: 0.000+/-0.000 χ^2/NDF: 3789910.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1276111.1/16

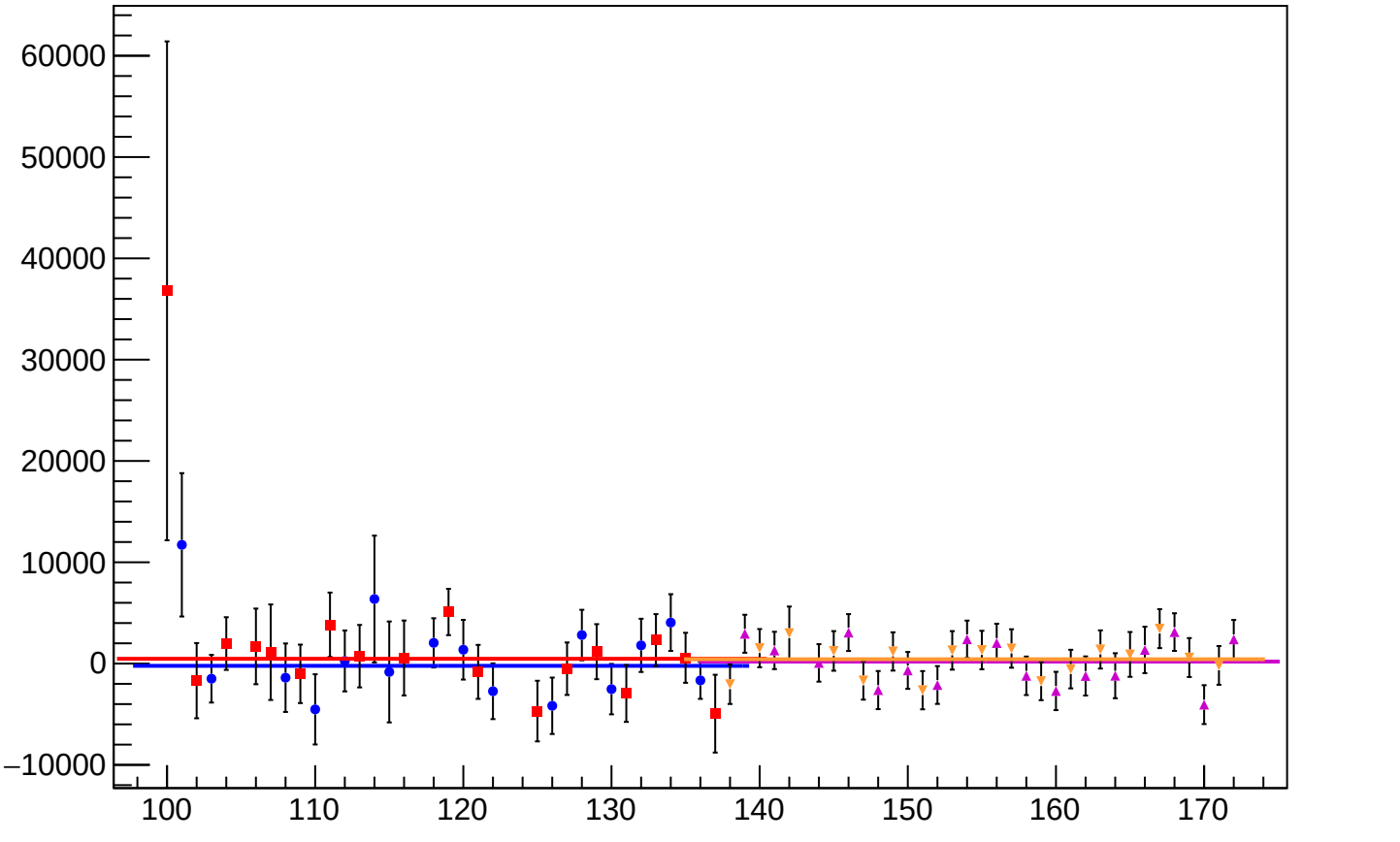
Left: 0.000+/-0.000 χ^2/NDF: 1887649.1/33

Right: 0.000+/-0.000 χ^2/NDF: 7152698.2/33

In: 0.000+/-0.000 χ^2/NDF:5572371.4/32

Out: 0.000+/-0.000 χ^2/NDF:5626619.0/34

All: 0.000+/-0.000 χ^2/NDF: 11220527.0/67



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 427.620+/-472.413 χ^2/NDF:12.3/16

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 198.705+/-462.927 χ^2/NDF:24.1/16

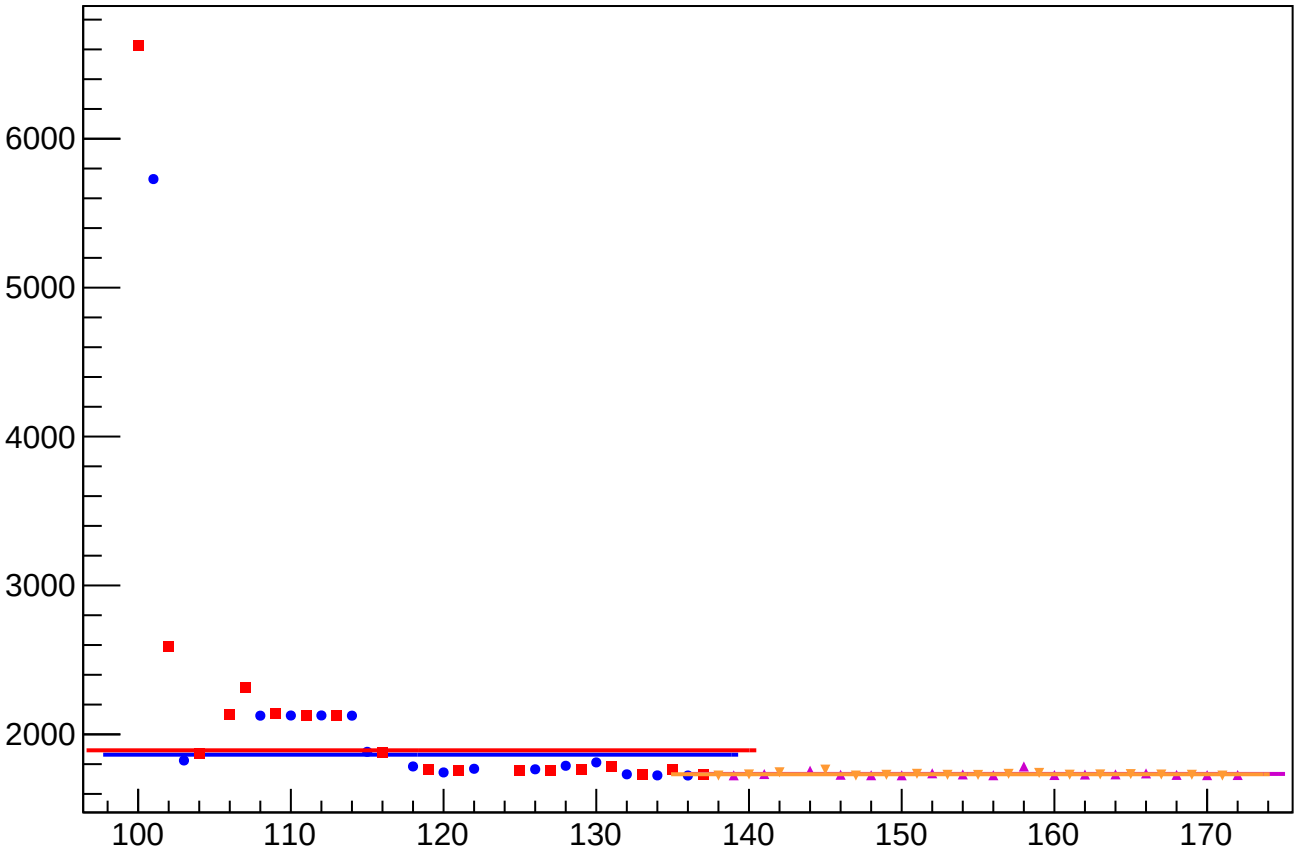
Left: 310.841+/-330.642 χ^2/NDF: 36.5/33

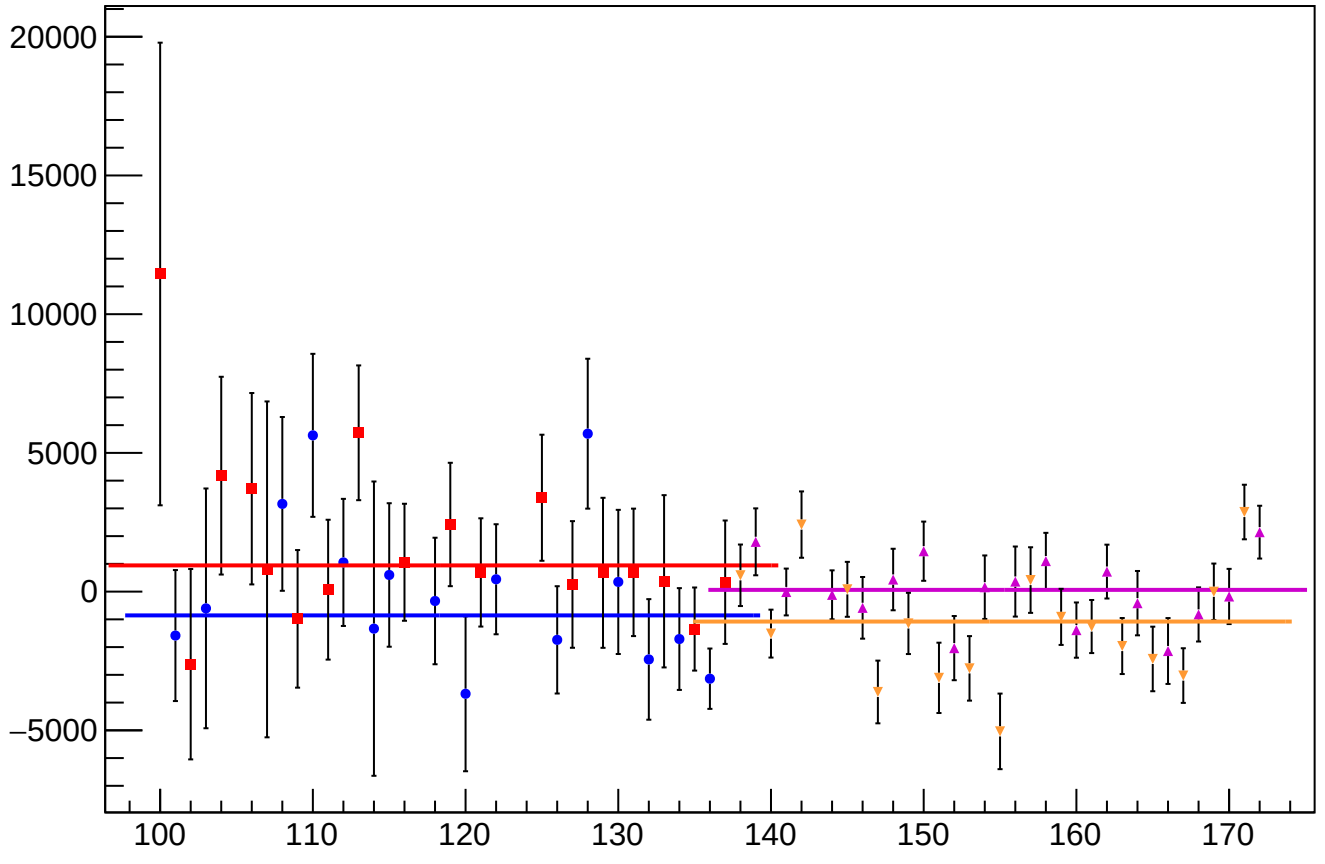
Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: 72.704+/-387.643 χ^2/NDF:40.2/32

Out: 441.325+/-393.557 χ^2/NDF:28.2/34

All: 254.224+/-276.172 χ^2/NDF: 68.8/67


reg_asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1863.581+/-0.501 χ²/NDF: 674665.6/15
Left Out: 1732.148+/-0.334 χ²/NDF:777.0/16
Right Out: 1892.866+/-0.503 χ²/NDF: 251512.9/17
Left In: 1734.251+/-0.327 χ²/NDF:2012.2/16
Left: 1733.221+/-0.234 χ²/NDF: 2809.4/33
Right: 1878.175+/-0.355 χ²/NDF: 927878.2/33
In: 1772.896+/-0.274 χ²/NDF:723320.7/32
Out: 1781.325+/-0.278 χ²/NDF:323119.0/34
All: 1777.046+/-0.195 χ²/NDF: 1046905.4/67



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -1078.870+/-258.920 χ^2/NDF:55.5/16

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 62.746+/-252.605 χ^2/NDF:20.5/16

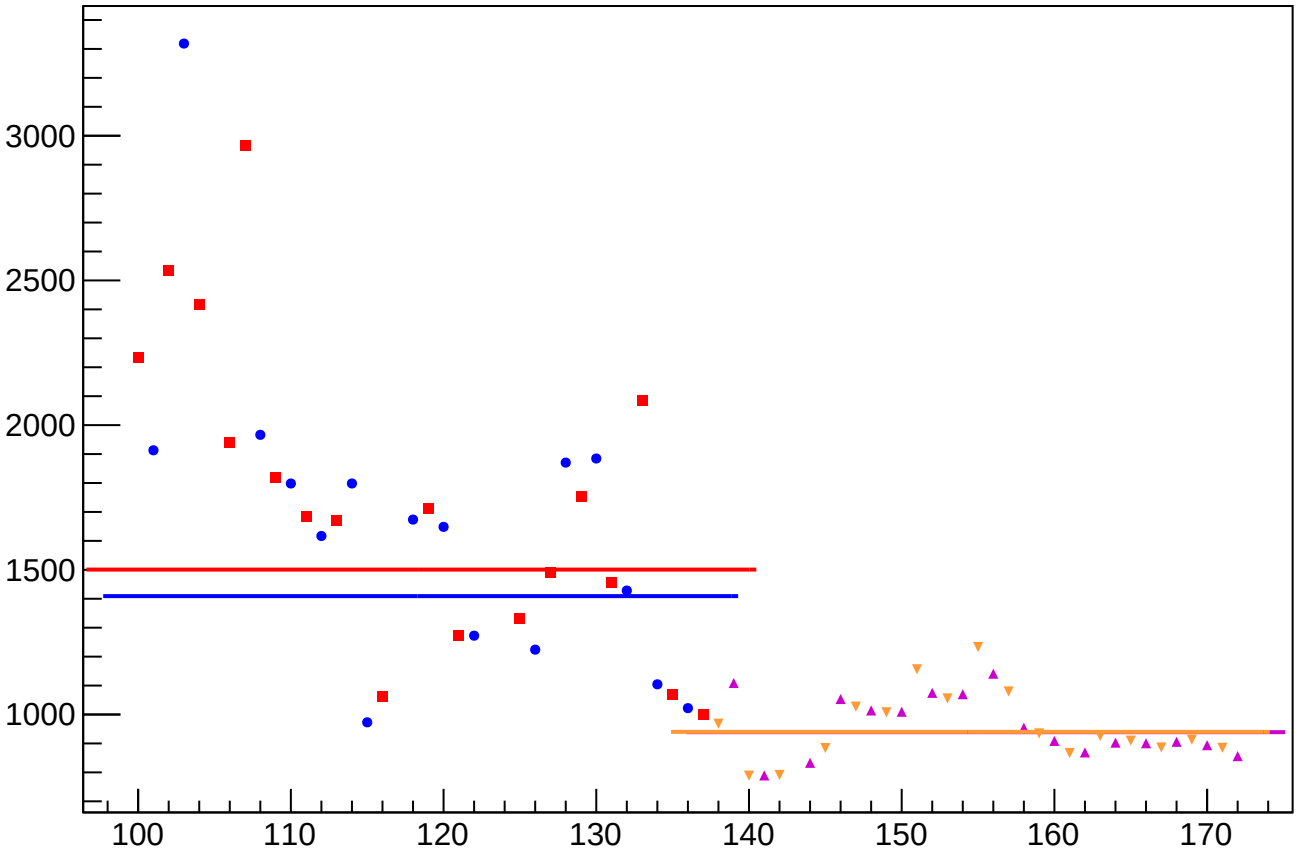
Left: -493.969+/-180.810 χ^2/NDF: 86.0/33

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -97.621+/-229.536 χ^2/NDF:43.4/32

Out: -746.415+/-236.698 χ^2/NDF:78.4/34

All: -412.055+/-164.780 χ^2/NDF: 125.8/67



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 940.002+/-0.183 χ^2/NDF:344977.1/16

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 938.919+/-0.179 χ^2/NDF:313884.2/16

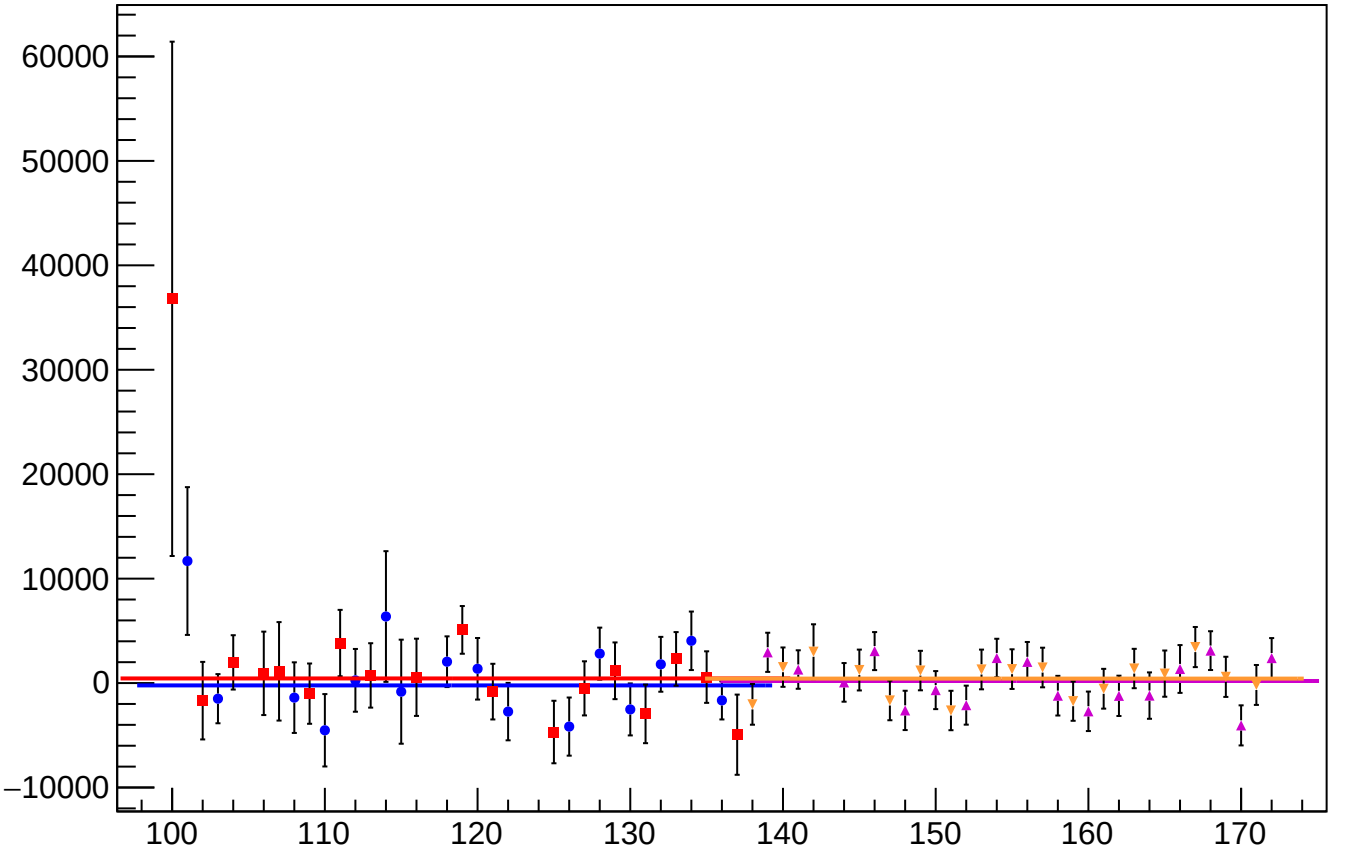
Left: 939.447+/-0.128 χ^2/NDF: 658879.2/33

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1020.873+/-0.162 χ^2/NDF:2689338.7/32

Out: 1032.136+/-0.167 χ^2/NDF:2917170.0/34

All: 1026.331+/-0.117 χ^2/NDF: 5608842.4/67



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 427.656+/-472.413 χ^2/NDF:12.3/16

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 198.775+/-462.927 χ^2/NDF:24.1/16

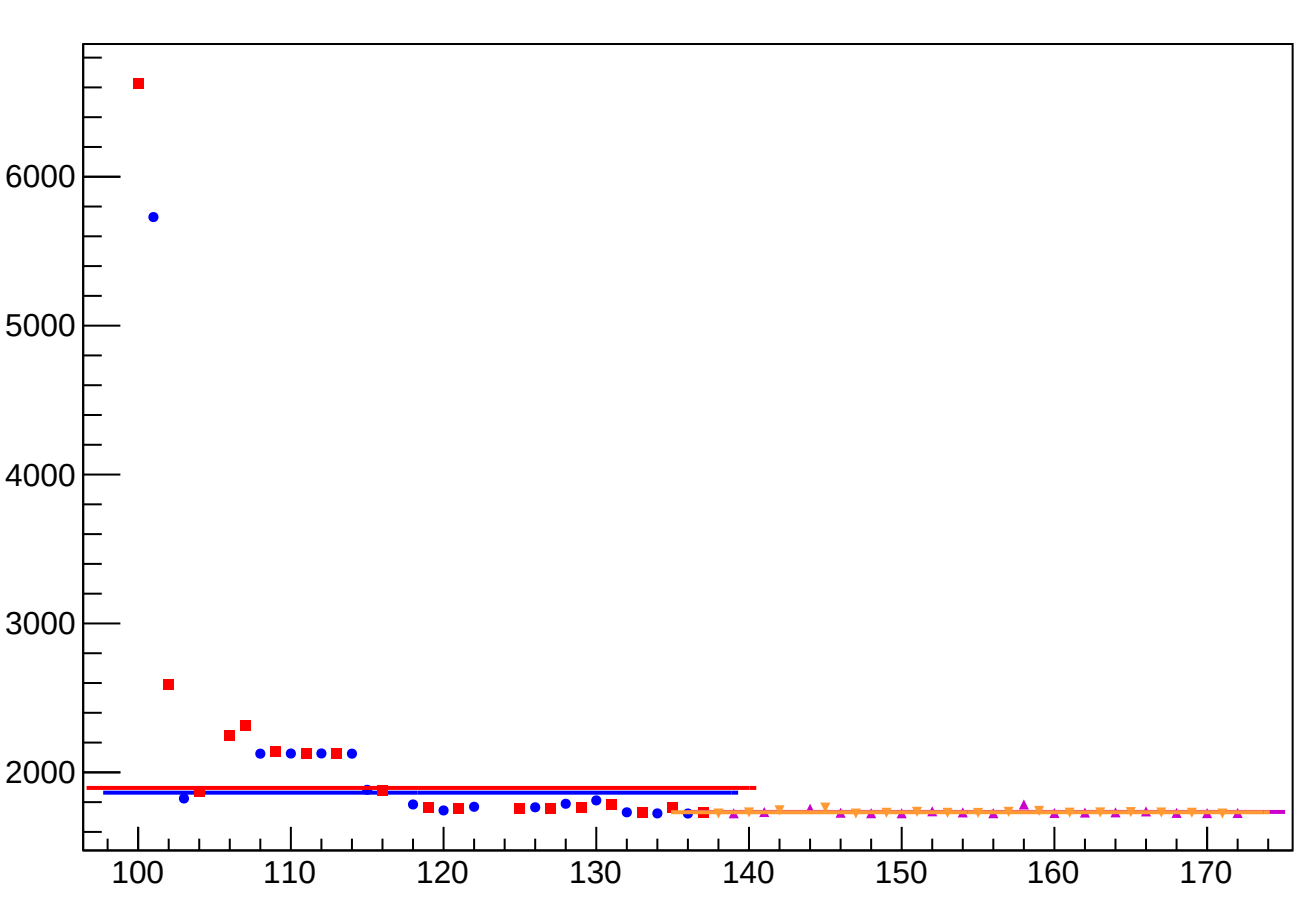
Left: 310.894+/-330.642 χ^2/NDF: 36.5/33

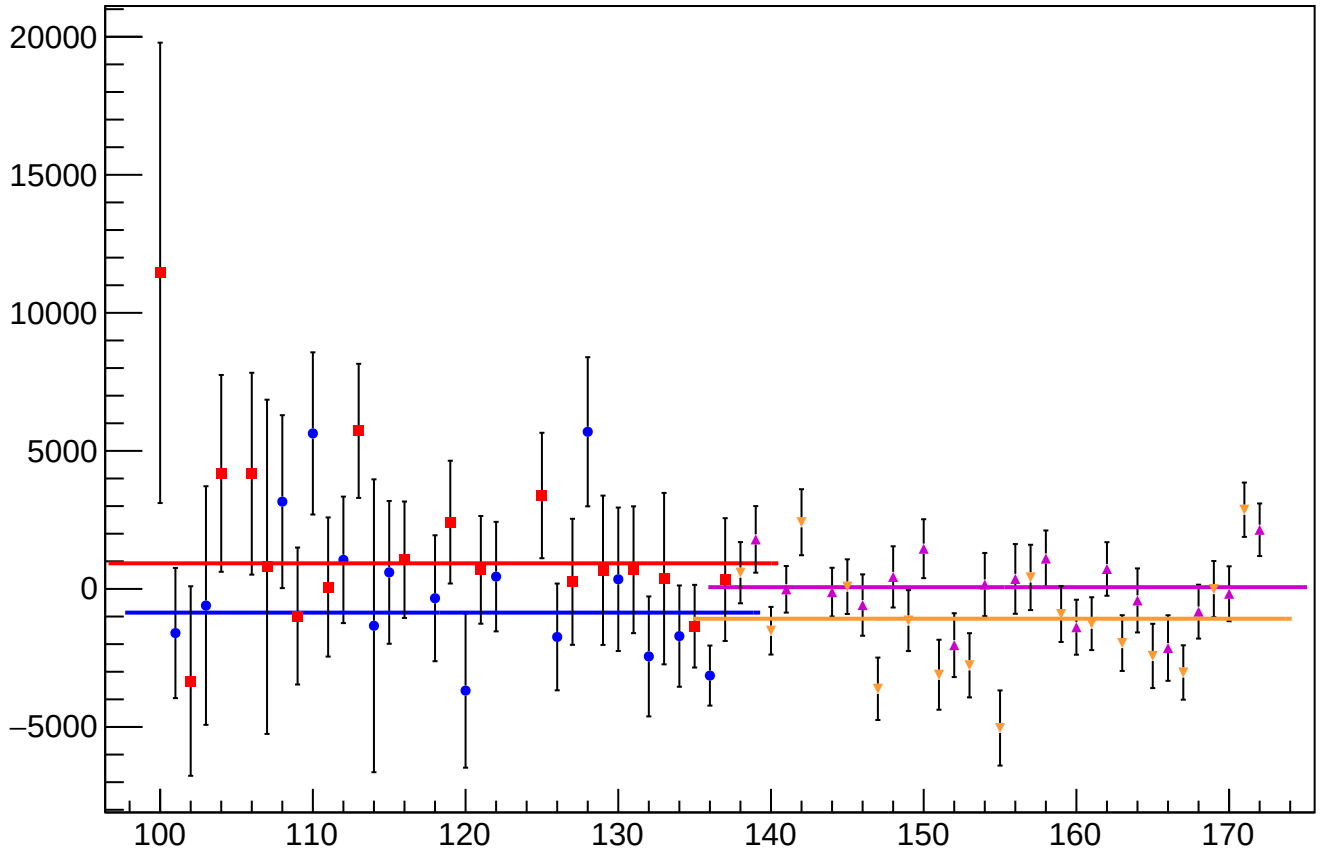
Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 72.521+/-387.643 χ^2/NDF:40.2/32

Out: 432.343+/-393.831 χ^2/NDF:28.1/34

All: 249.583+/-276.267 χ^2/NDF: 68.7/67


cor_asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1863.581+/-0.501 χ²/NDF: 674665.4/15
Left Out: 1732.148+/-0.334 χ²/NDF:777.0/16
Right Out: 1895.491+/-0.504 χ²/NDF: 259171.7/17
Left In: 1734.251+/-0.327 χ²/NDF:2012.2/16
Left: 1733.221+/-0.234 χ²/NDF: 2809.4/33
Right: 1879.447+/-0.356 χ²/NDF: 935850.8/33
In: 1772.896+/-0.274 χ²/NDF:723320.5/32
Out: 1781.970+/-0.278 χ²/NDF:332879.8/34
All: 1777.361+/-0.195 χ²/NDF: 1056739.7/67



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1078.874+/-258.920 χ^2/NDF:55.5/16

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 62.778+/-252.604 χ^2/NDF:20.5/16

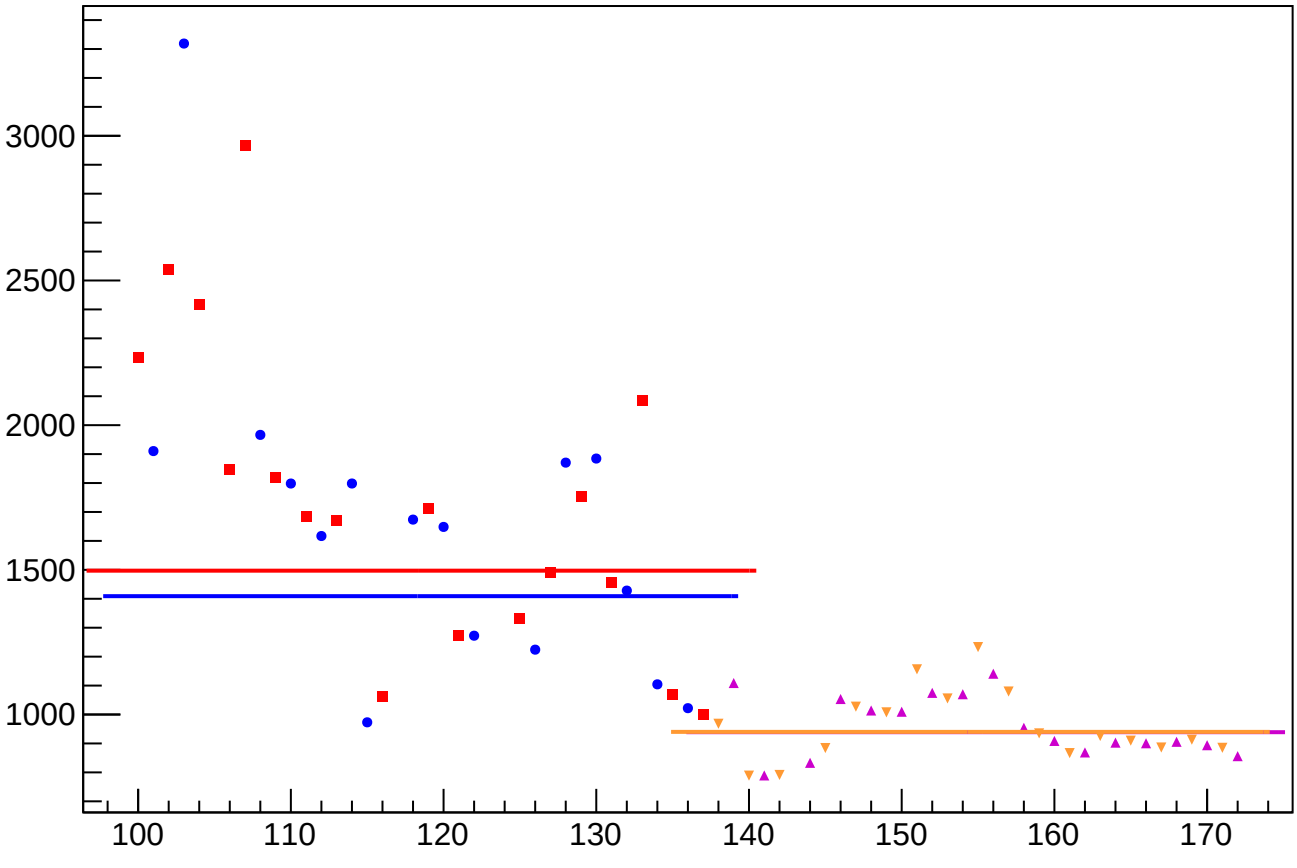
Left: -493.953+/-180.810 χ^2/NDF: 86.0/33

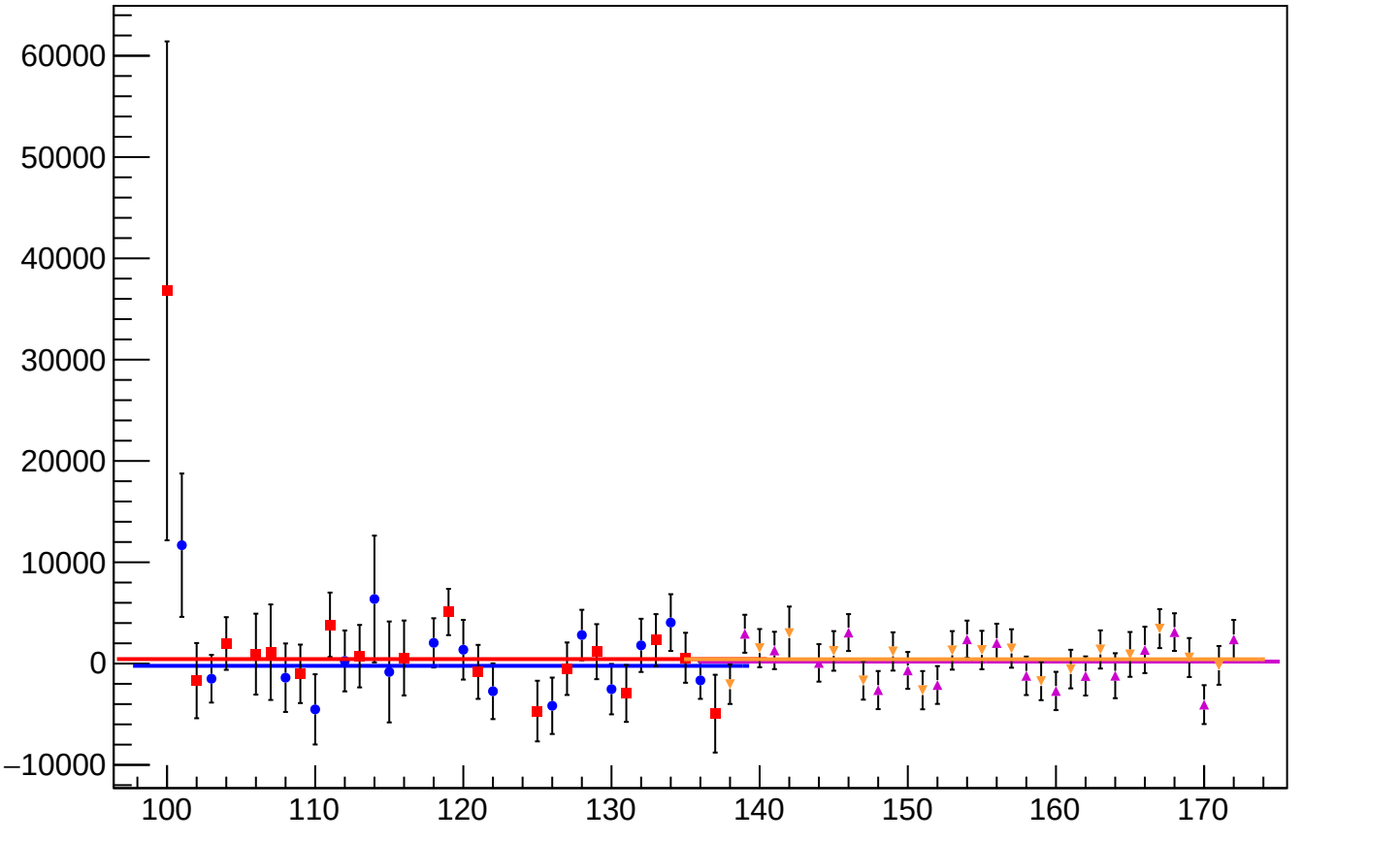
Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -97.757+/-229.533 χ^2/NDF:43.5/32

Out: -750.163+/-236.759 χ^2/NDF:78.9/34

All: -413.852+/-164.800 χ^2/NDF: 126.2/67


asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
Right In: 1409.018+/-0.389 χ²/NDF: 1167065.5/15
Left Out: 940.003+/-0.183 χ²/NDF:344944.3/16
Right Out: 1497.149+/-0.414 χ²/NDF: 1018123.6/17
Left In: 938.916+/-0.179 χ²/NDF:313889.7/16
Left: 939.446+/-0.128 χ²/NDF: 658852.1/33
Right: 1450.357+/-0.283 χ²/NDF: 2209298.3/33
In: 1020.867+/-0.162 χ²/NDF:2688477.7/32
Out: 1031.296+/-0.167 χ²/NDF:2880482.0/34
All: 1025.920+/-0.117 χ²/NDF: 5570960.2/67



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 427.656+/-472.413 χ^2/NDF:12.3/16

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 198.775+/-462.927 χ^2/NDF:24.1/16

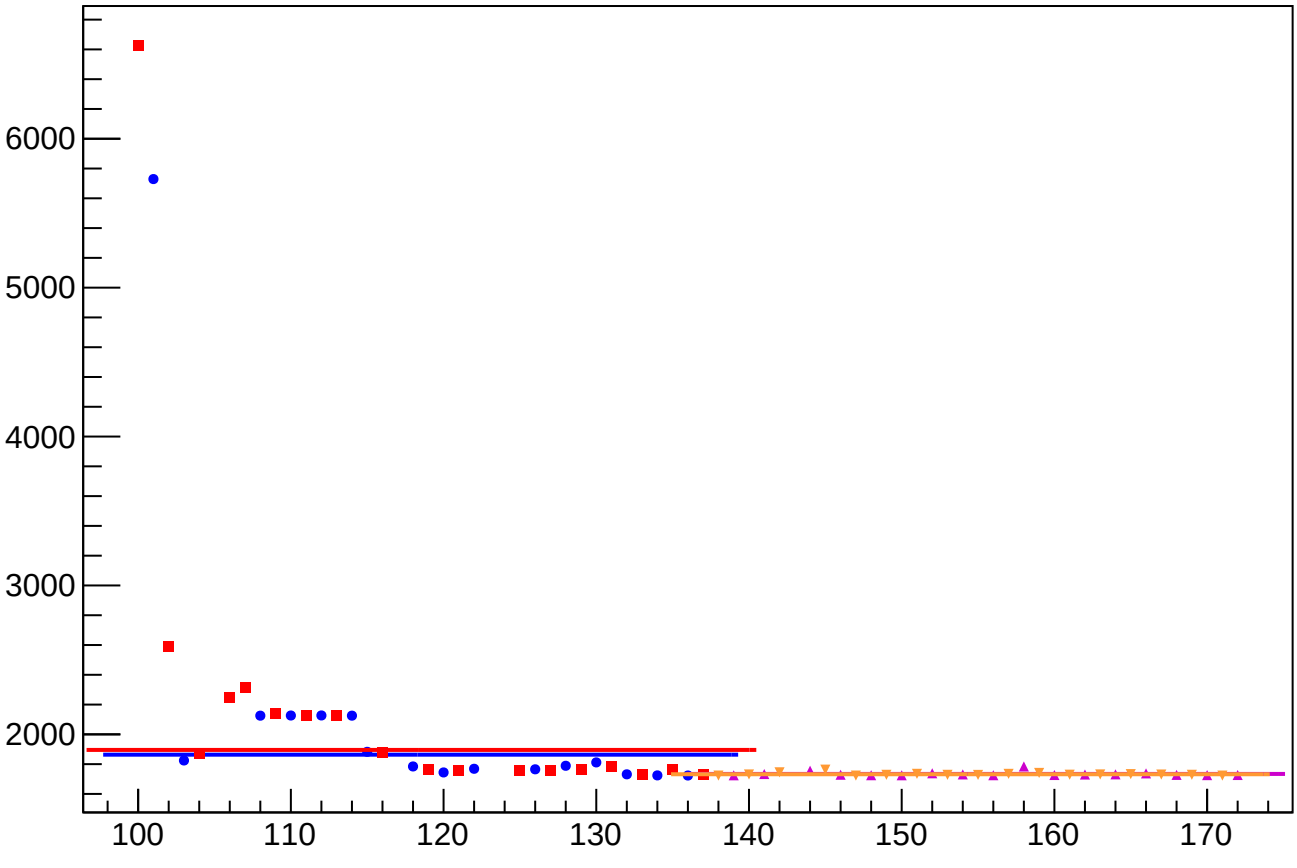
Left: 310.894+/-330.642 χ^2/NDF: 36.5/33

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 72.521+/-387.643 χ^2/NDF:40.2/32

Out: 432.343+/-393.831 χ^2/NDF:28.1/34

All: 249.583+/-276.267 χ^2/NDF: 68.7/67



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1732.148+/-0.334 χ^2/NDF:777.0/16

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: 1733.221+/-0.234 χ^2/NDF: 2809.4/33

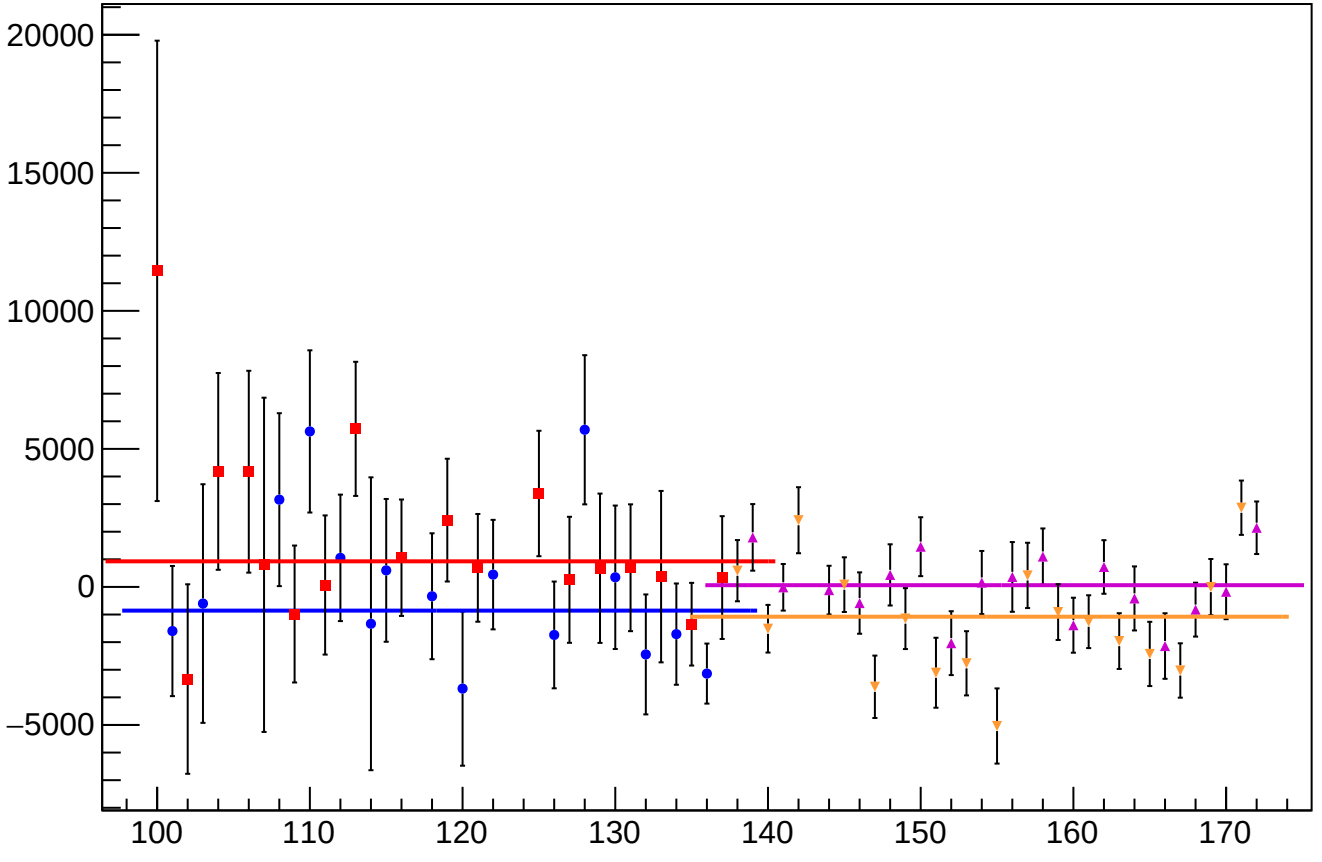
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1772.896+/-0.274 χ^2/NDF:723320.5/32

Out: 1781.970+/-0.278 χ^2/NDF:332879.8/34

All: 1777.361+/-0.195 χ^2/NDF: 1056739.7/67

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1078.874+/-258.920 χ^2/NDF:55.5/16

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 62.778+/-252.604 χ^2/NDF:20.5/16

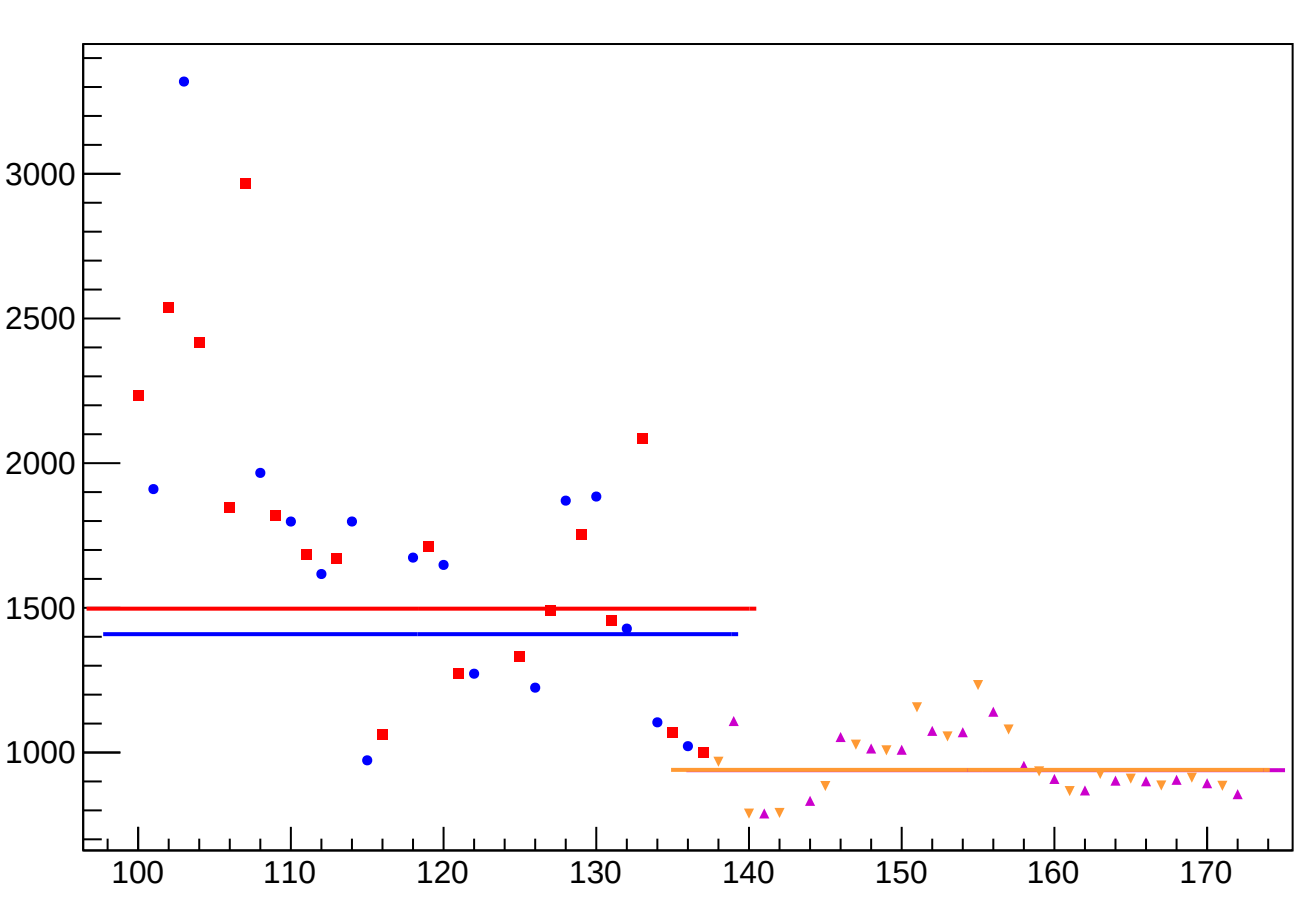
Left: -493.953+/-180.810 χ^2/NDF: 86.0/33

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -97.757+/-229.533 χ^2/NDF:43.5/32

Out: -750.163+/-236.759 χ^2/NDF:78.9/34

All: -413.852+/-164.800 χ^2/NDF: 126.2/67



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 940.003+/-0.183 χ^2/NDF:344944.3/16

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 938.916+/-0.179 χ^2/NDF:313889.7/16

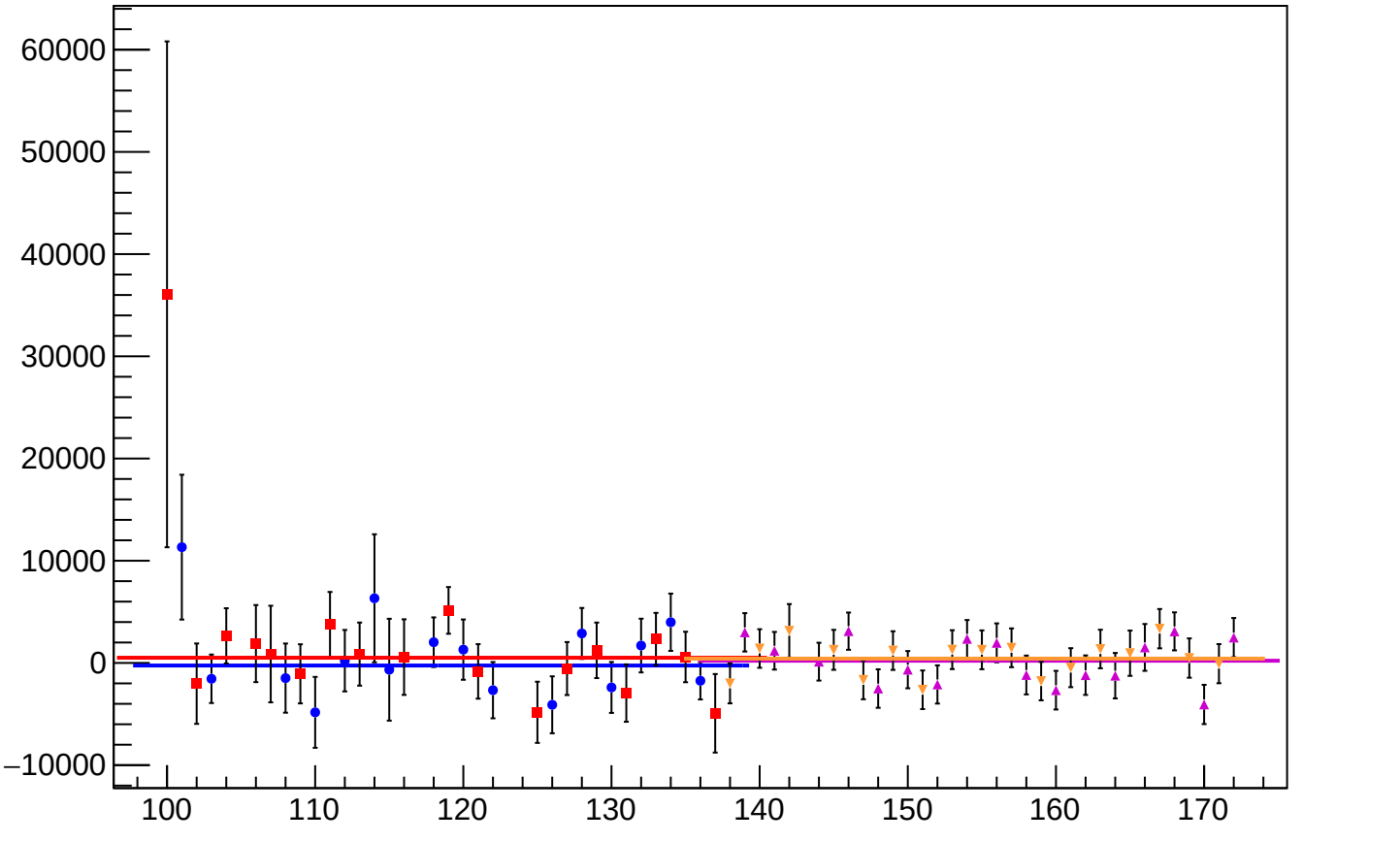
Left: 939.446+/-0.128 χ^2/NDF: 658852.1/33

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1020.867+/-0.162 χ^2/NDF:2688477.7/32

Out: 1031.296+/-0.167 χ^2/NDF:2880482.0/34

All: 1025.920+/-0.117 χ^2/NDF: 5570960.2/67



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 423.880+/-472.616 χ^2/NDF:12.1/16

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 218.039+/-463.183 χ^2/NDF:24.0/16

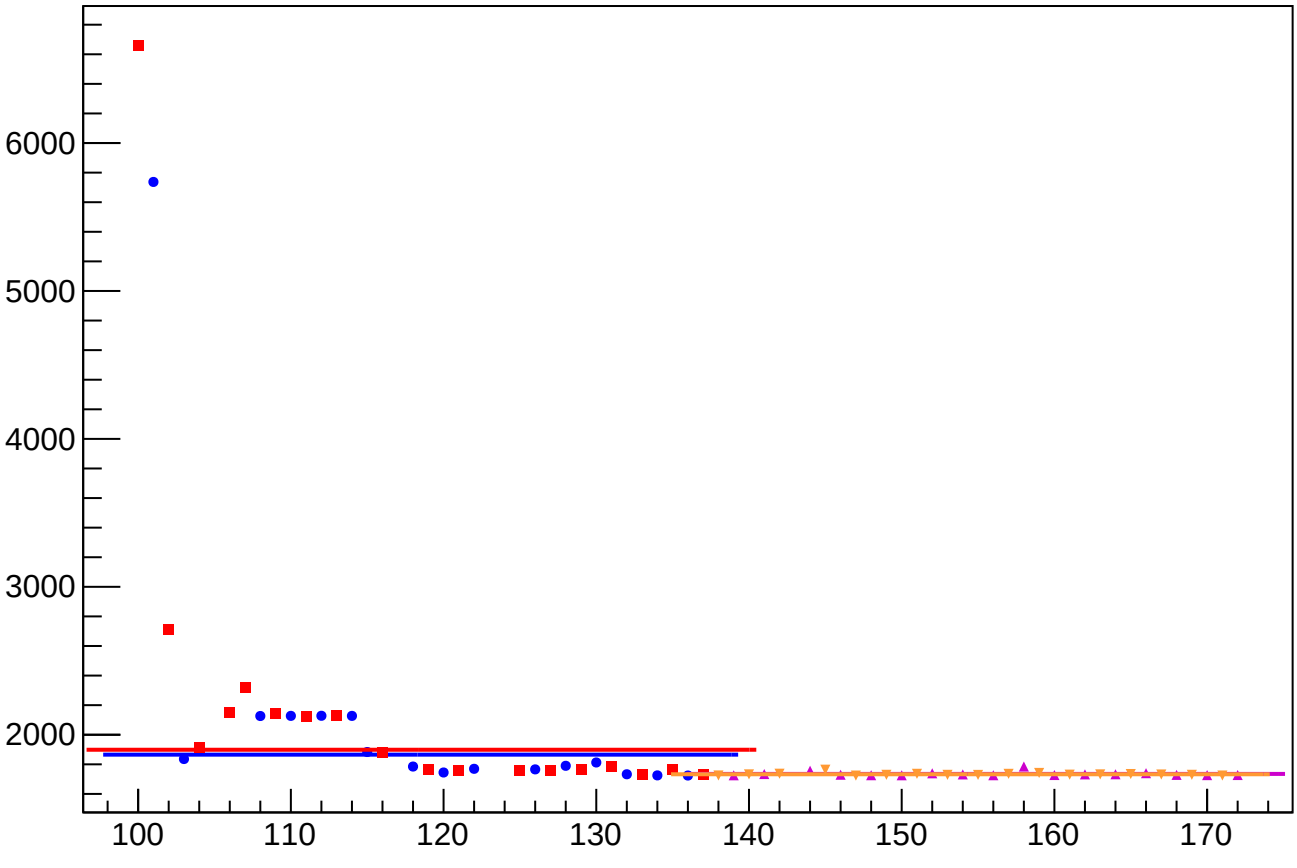
Left: 318.885+/-330.805 χ^2/NDF: 36.1/33

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 77.701+/-387.928 χ^2/NDF:39.9/32

Out: 450.079+/-394.342 χ^2/NDF:28.5/34

All: 260.837+/-276.546 χ^2/NDF: 68.9/67



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.855+/-0.334 χ^2/NDF:718.9/16

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: 1734.057+/-0.234 χ^2/NDF: 2753.3/33

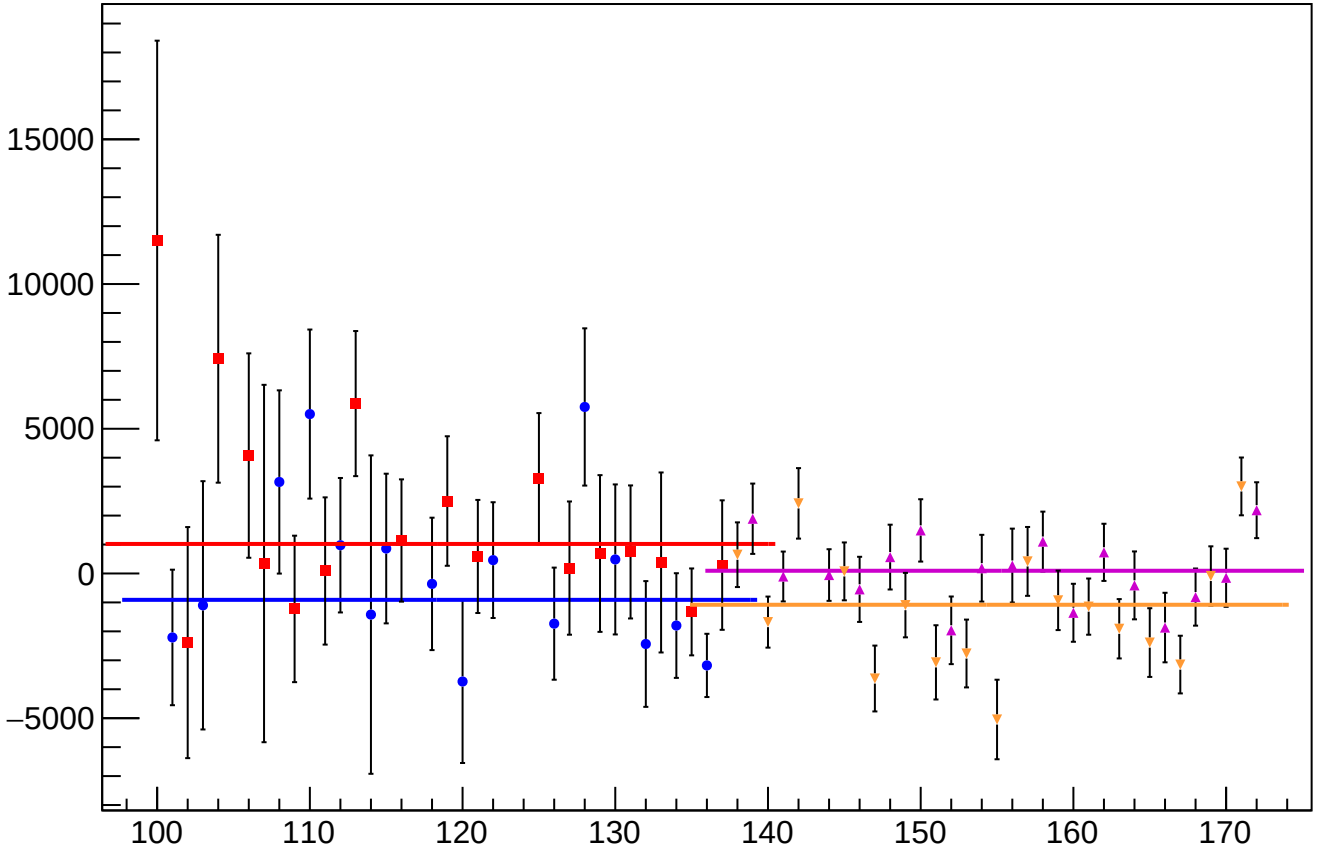
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1774.092+/-0.274 χ^2/NDF:724199.4/32

Out: 1783.210+/-0.279 χ^2/NDF:344561.6/34

All: 1778.576+/-0.196 χ^2/NDF: 1069304.5/67

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: -1081.045+/-262.196 χ^2/NDF:55.8/16

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: -478.961+/-183.054 χ^2/NDF: 85.6/33

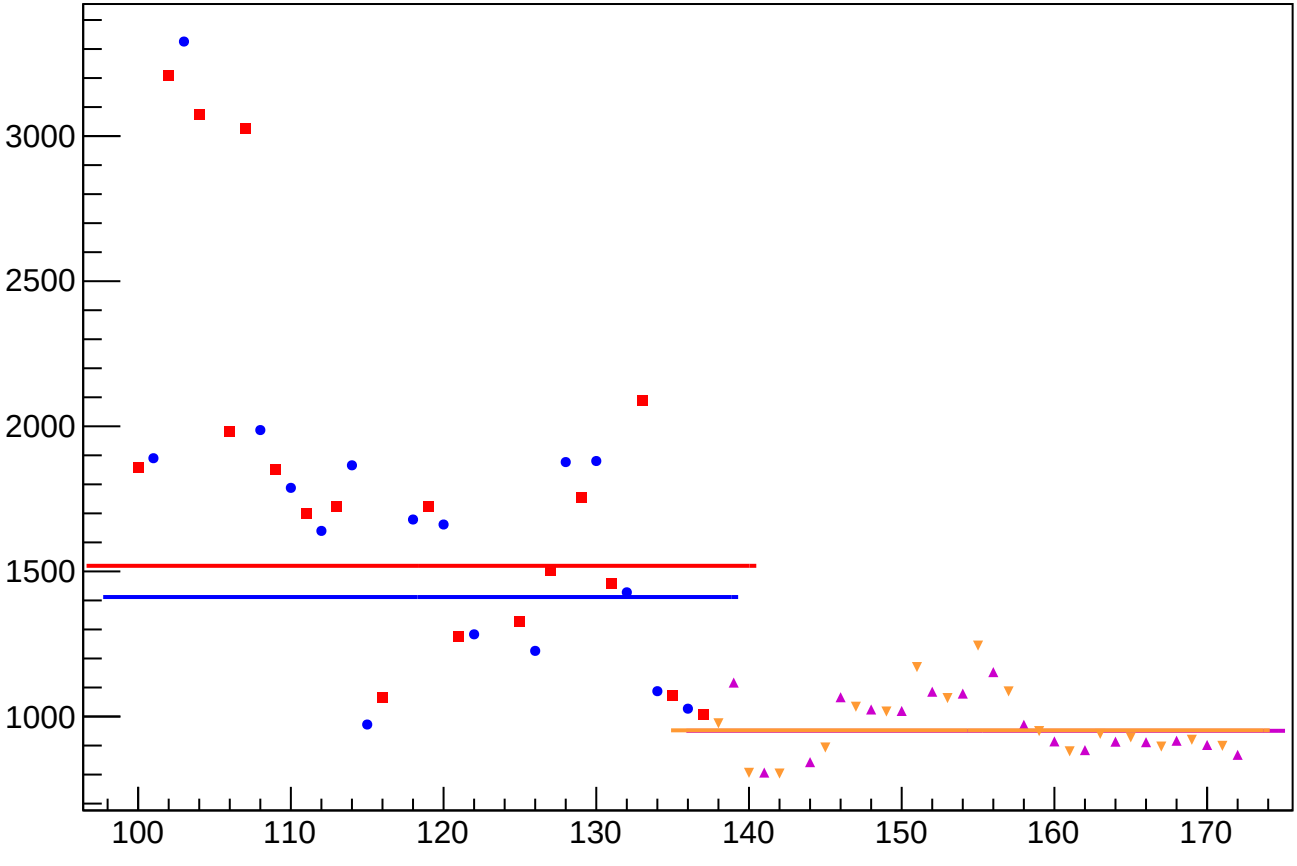
Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -84.487+/-231.916 χ^2/NDF:43.2/32

Out: -736.082+/-239.709 χ^2/NDF:81.2/34

All: -399.522+/-166.676 χ^2/NDF: 128.3/67

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1411.748+/-0.389 χ^2/NDF: 1177745.4/15

Left Out: 952.429+/-0.185 χ^2/NDF:327675.5/16

Right Out: 1519.305+/-0.418 χ^2/NDF: 1360145.6/17

Left In: 950.808+/-0.181 χ^2/NDF:300394.1/16

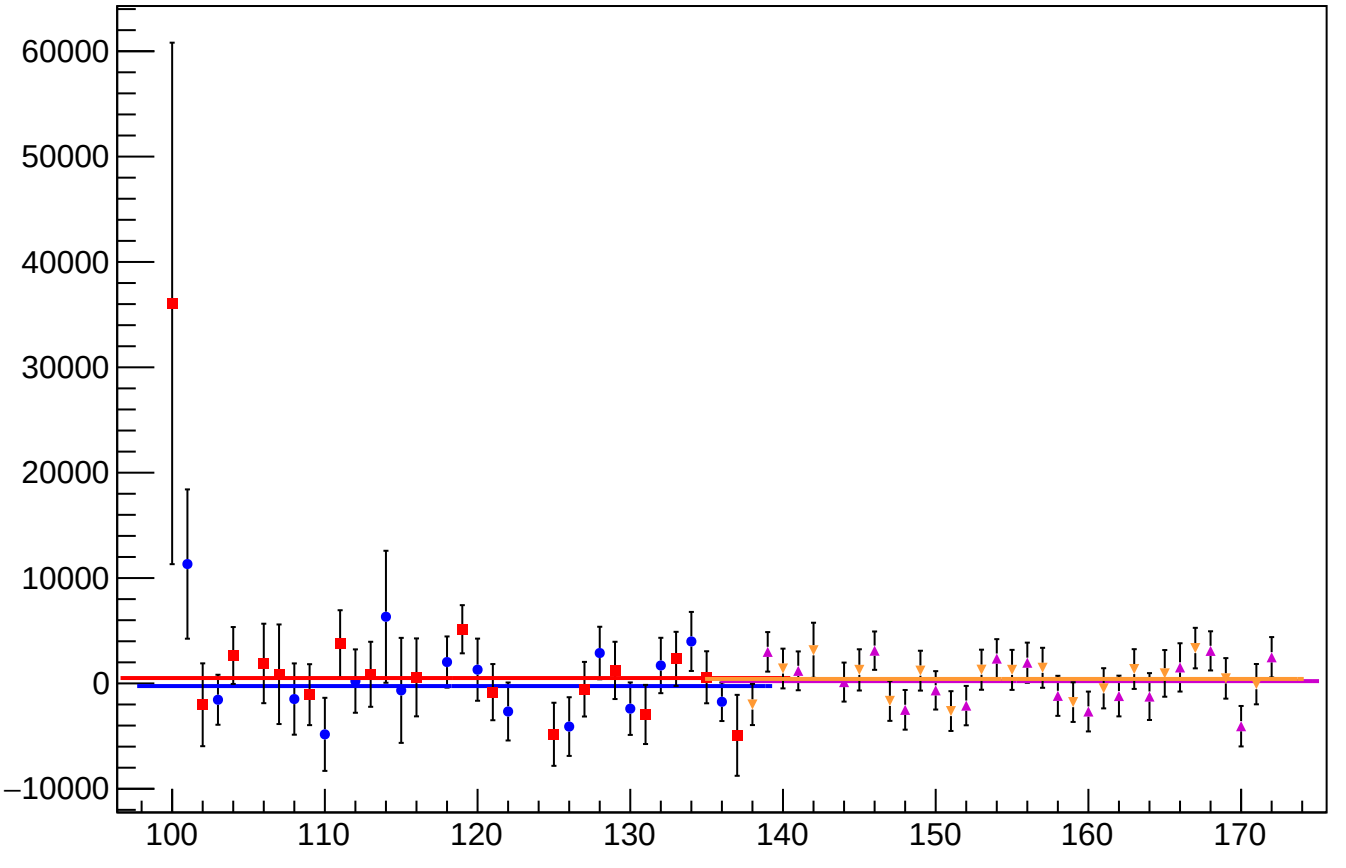
Left: 951.598+/-0.129 χ^2/NDF: 628108.7/33

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1032.516+/-0.164 χ^2/NDF:2630357.8/32

Out: 1045.496+/-0.169 χ^2/NDF:3222667.7/34

All: 1038.792+/-0.118 χ^2/NDF: 5856054.8/67



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 423.879+/-472.616 χ^2/NDF:12.1/16

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 218.040+/-463.183 χ^2/NDF:24.0/16

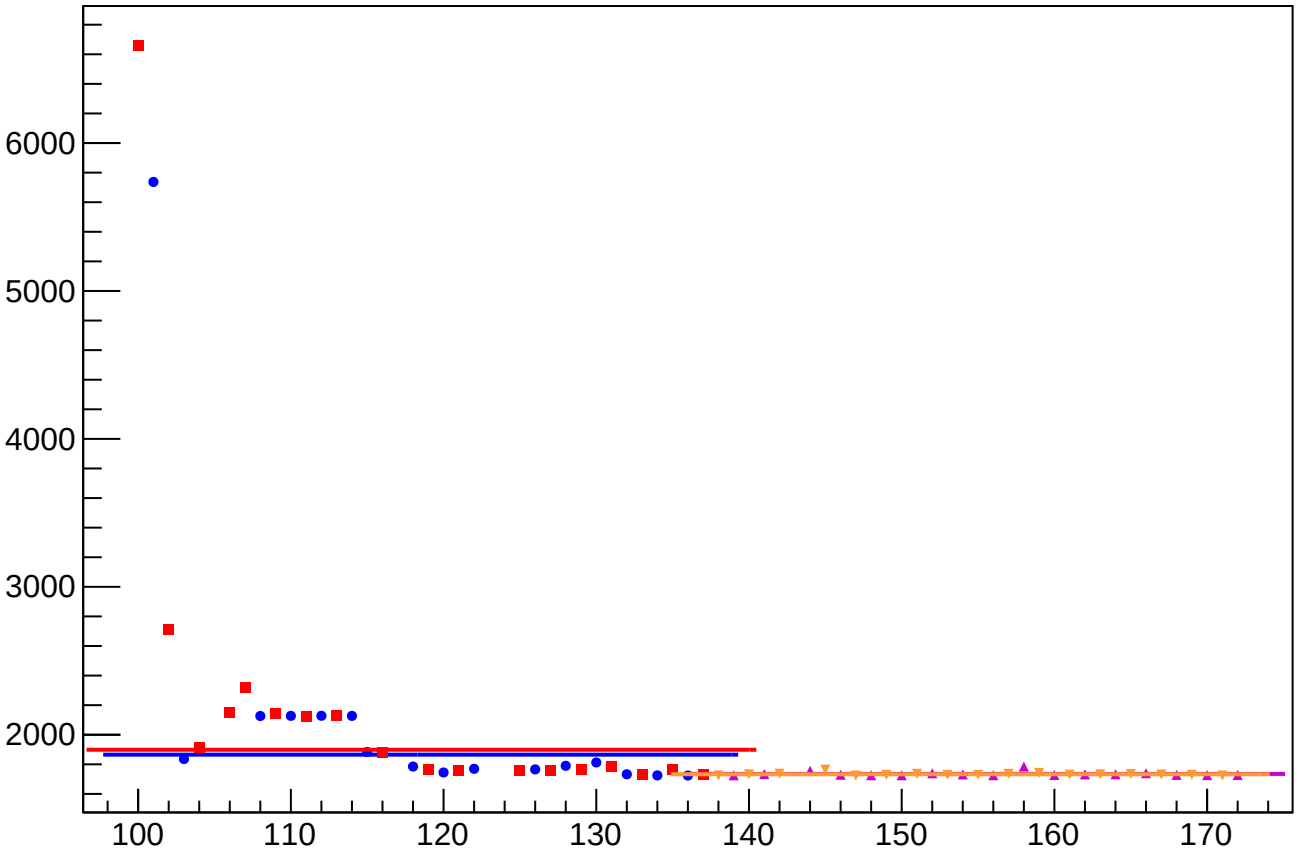
Left: 318.885+/-330.805 χ^2/NDF: 36.1/33

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 77.702+/-387.928 χ^2/NDF:39.9/32

Out: 450.079+/-394.342 χ^2/NDF:28.5/34

All: 260.837+/-276.546 χ^2/NDF: 68.9/67



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.855+/-0.334 χ^2/NDF:718.9/16

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: 1734.057+/-0.234 χ^2/NDF: 2753.3/33

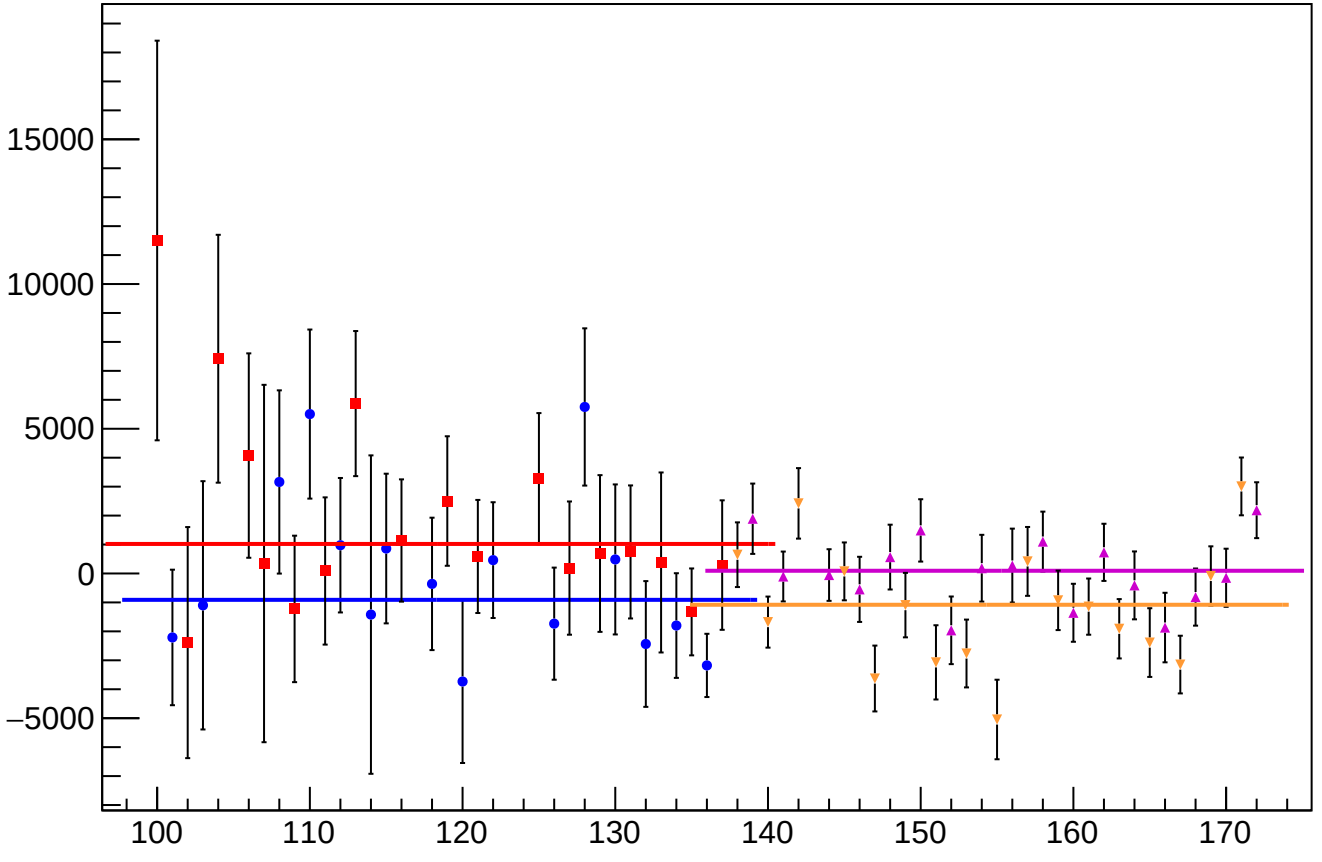
Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1774.092+/-0.274 χ^2/NDF:724199.4/32

Out: 1783.210+/-0.279 χ^2/NDF:344561.3/34

All: 1778.576+/-0.196 χ^2/NDF: 1069304.2/67

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: -1081.044+/-262.196 χ^2/NDF:55.8/16

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 93.577+/-255.682 χ^2/NDF:19.5/16

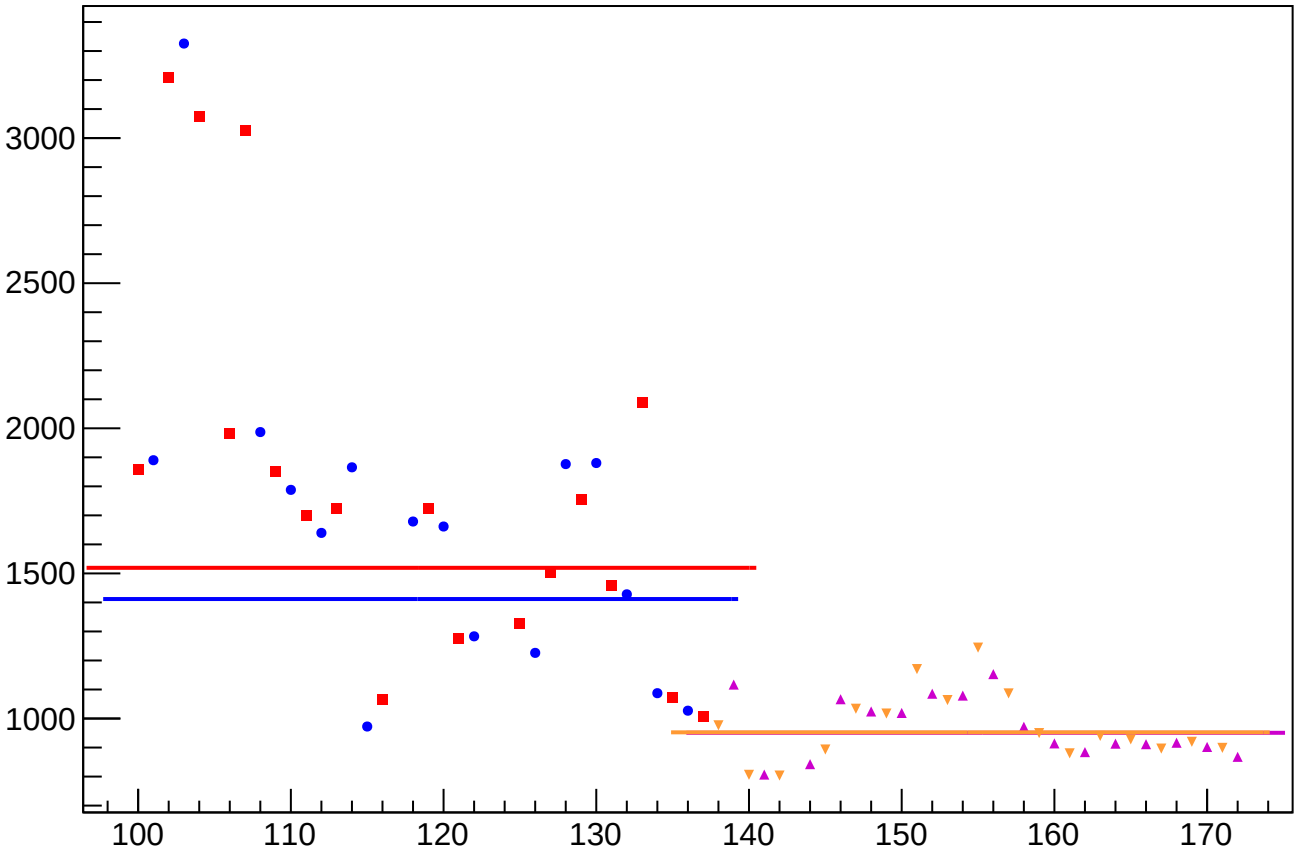
Left: -478.962+/-183.054 χ^2/NDF: 85.6/33

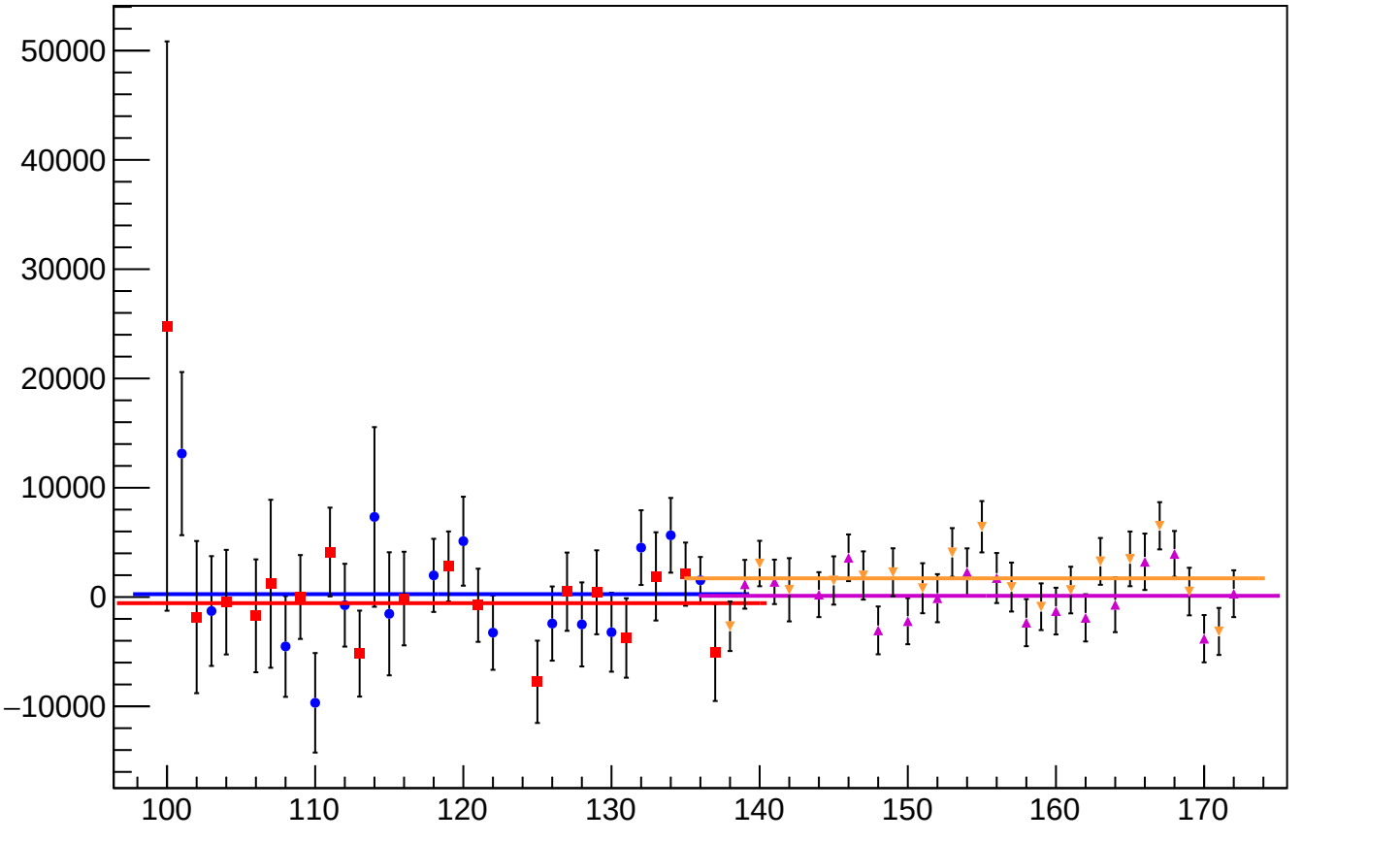
Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -84.489+/-231.916 χ^2/NDF:43.2/32

Out: -736.081+/-239.708 χ^2/NDF:81.2/34

All: -399.522+/-166.676 χ^2/NDF: 128.3/67


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
Right In: 1411.745+/-0.389 χ²/NDF: 1177746.1/15
Left Out: 952.428+/-0.185 χ²/NDF:327684.6/16
Right Out: 1519.302+/-0.418 χ²/NDF: 1360150.0/17
Left In: 950.808+/-0.181 χ²/NDF:300401.8/16
Left: 951.598+/-0.129 χ²/NDF: 628125.5/33
Right: 1461.691+/-0.285 χ²/NDF: 2573306.2/33
In: 1032.515+/-0.164 χ²/NDF:2630354.5/32
Out: 1045.496+/-0.169 χ²/NDF:3222673.1/34
All: 1038.791+/-0.118 χ²/NDF: 5856056.7/67



Right In: 264.383+/-941.979 χ^2/NDF: 19.0/15

Left Out: 1712.543+/-542.772 χ^2/NDF:23.0/16

Right Out: -560.962+/-962.943 χ^2/NDF: 11.7/17

Left In: 110.677+/-530.432 χ^2/NDF:18.8/16

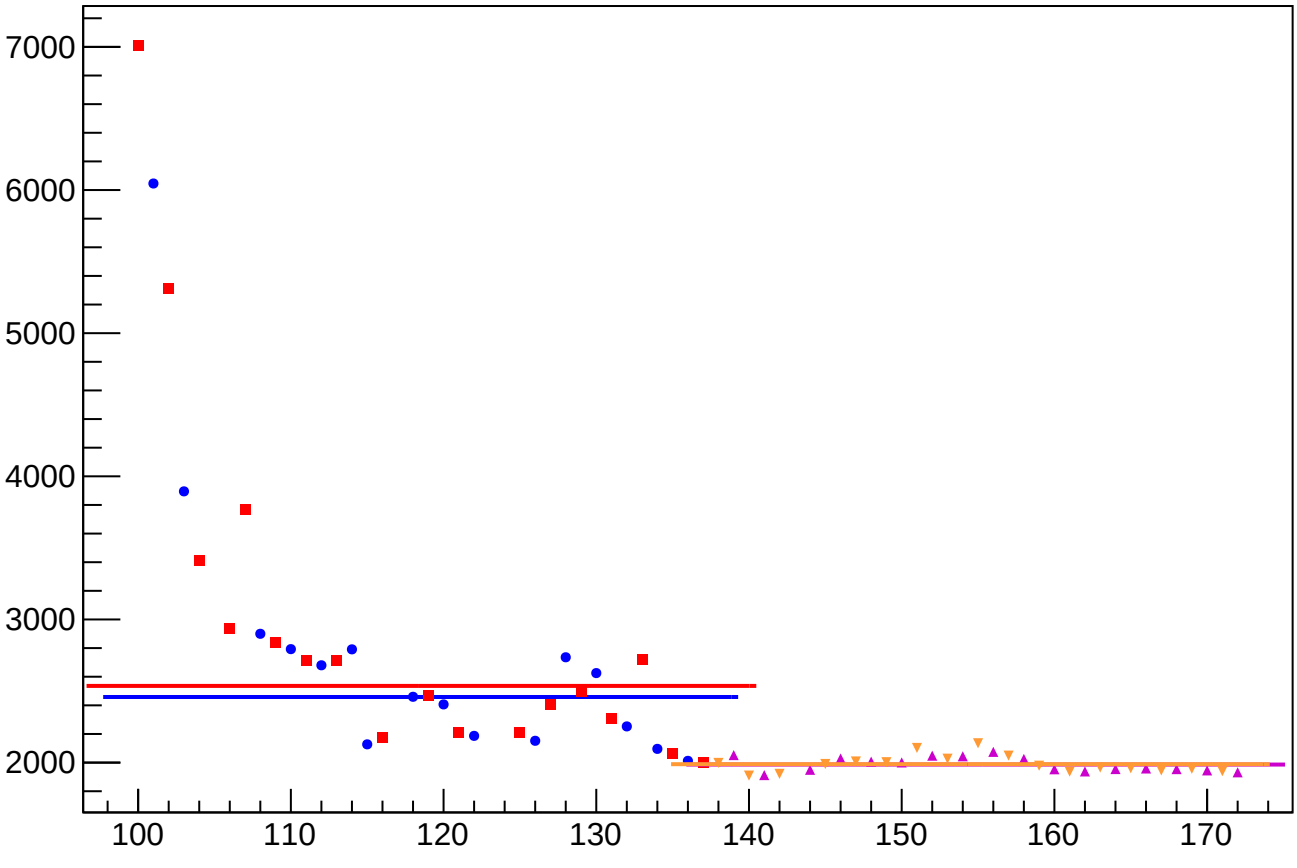
Left: 893.194+/-379.360 χ^2/NDF: 46.3/33

Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 147.681+/-462.192 χ^2/NDF:37.9/32

Out: 1164.381+/-472.832 χ^2/NDF:38.9/34

All: 644.463+/-330.517 χ^2/NDF: 79.2/67



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1988.926+/-0.384 χ^2/NDF:22963.8/16

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1986.351+/-0.375 χ^2/NDF:17176.7/16

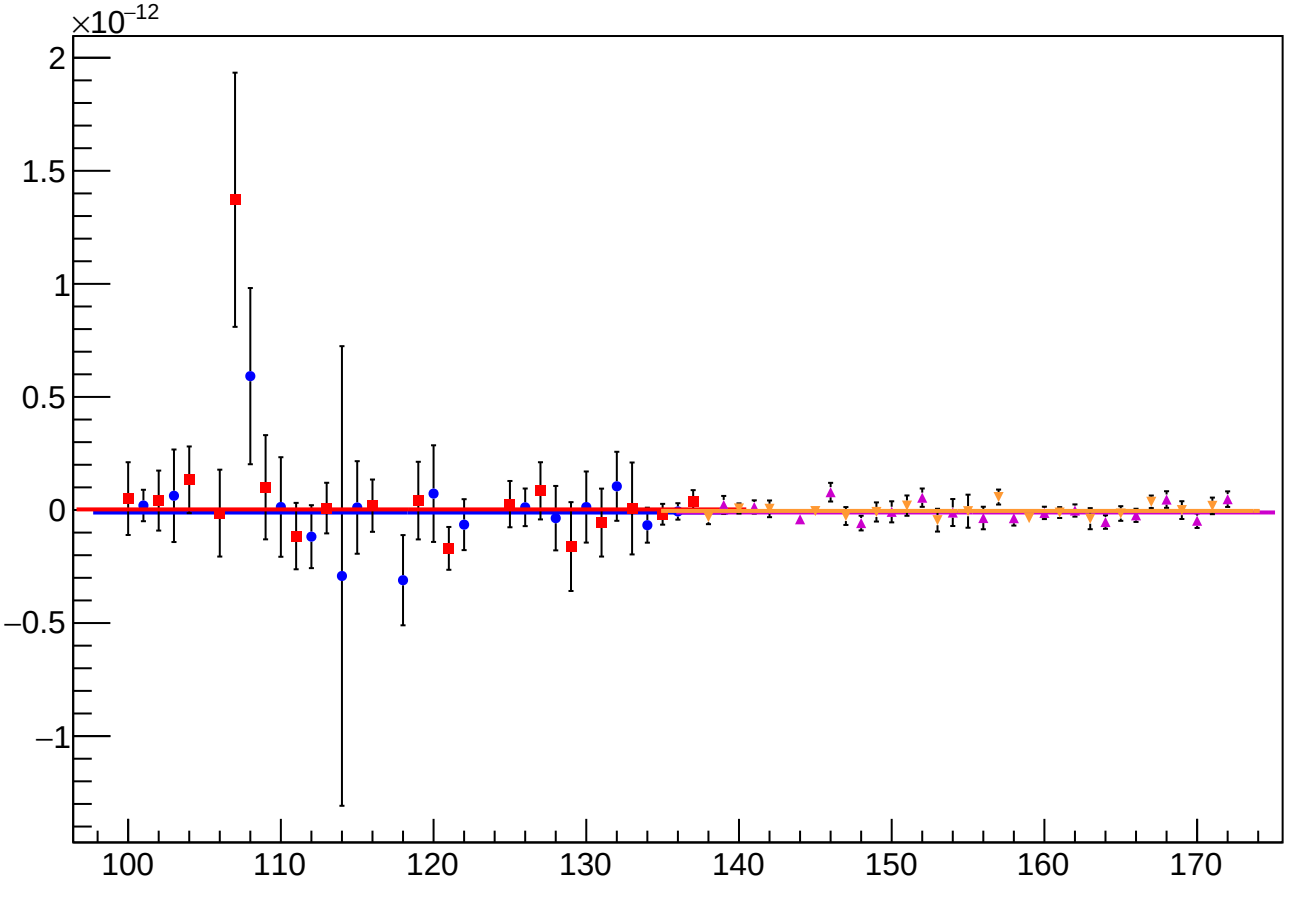
Left: 1987.609+/-0.268 χ^2/NDF: 40163.5/33

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2099.980+/-0.327 χ^2/NDF:1231289.9/32

Out: 2120.779+/-0.334 χ^2/NDF:1185805.8/34

All: 2110.143+/-0.234 χ^2/NDF: 2419074.7/67



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:22.6/16

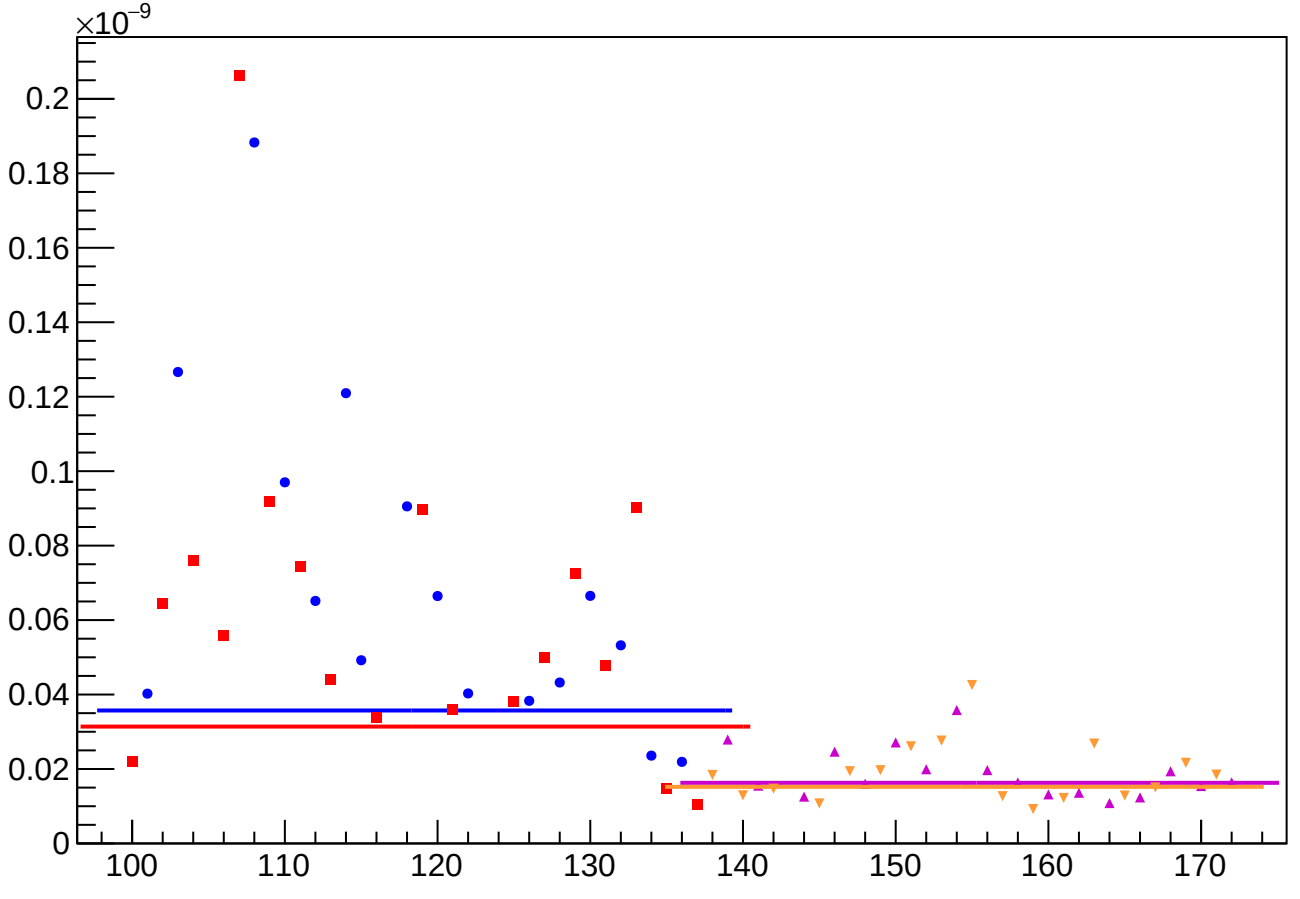
Left: -0.000+/-0.000 χ^2/NDF: 34.0/33

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:24.3/34

All: -0.000+/-0.000 χ^2/NDF: 54.7/67



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1076844.8/16

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: 1922316.5/33

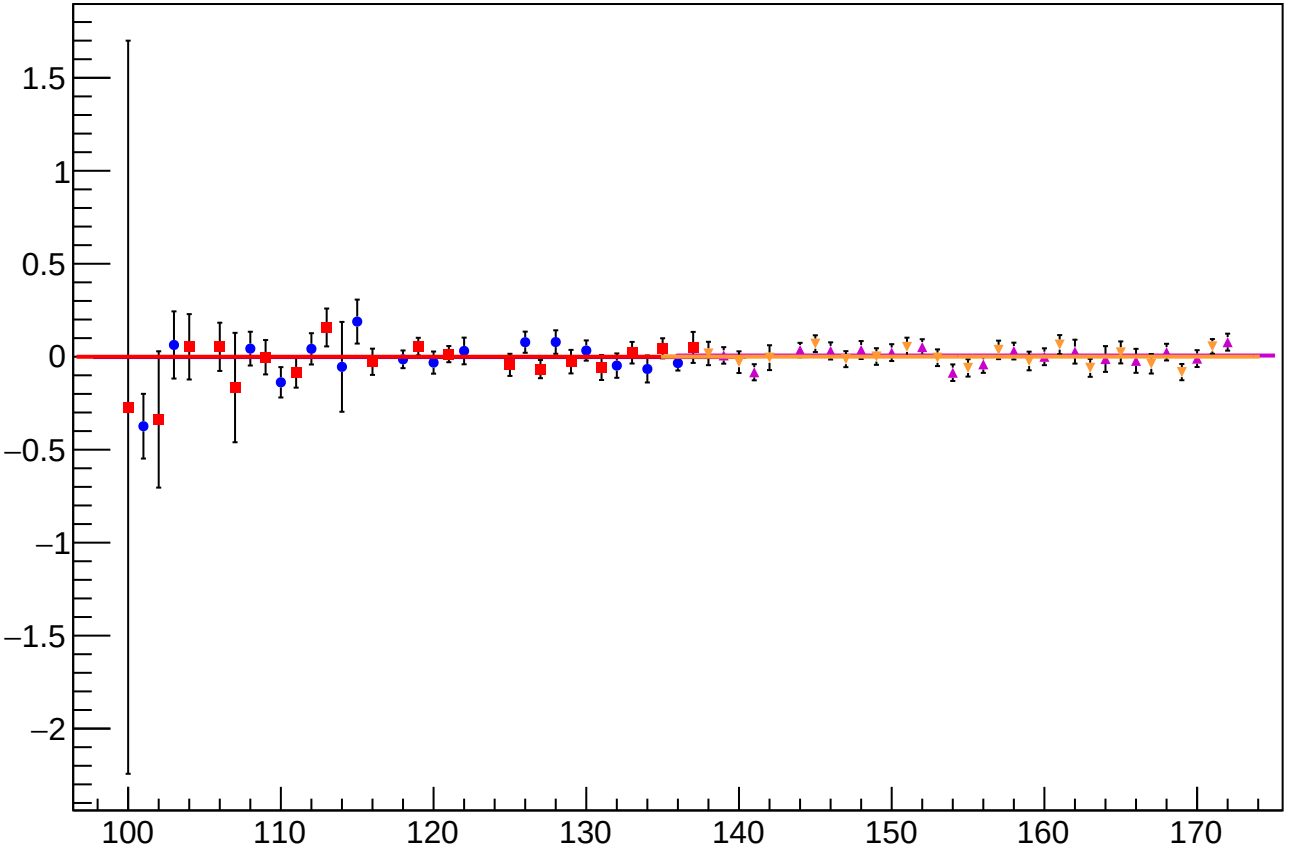
Right: 0.000+/-0.000 χ^2/NDF: 3719751.0/33

In: 0.000+/-0.000 χ^2/NDF:3581342.8/32

Out: 0.000+/-0.000 χ^2/NDF:3947056.2/34

All: 0.000+/-0.000 χ^2/NDF: 7566408.0/67

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: 0.000+/-0.012 χ^2/NDF:15.7/16

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: 0.004+/-0.008 χ^2/NDF: 31.5/33

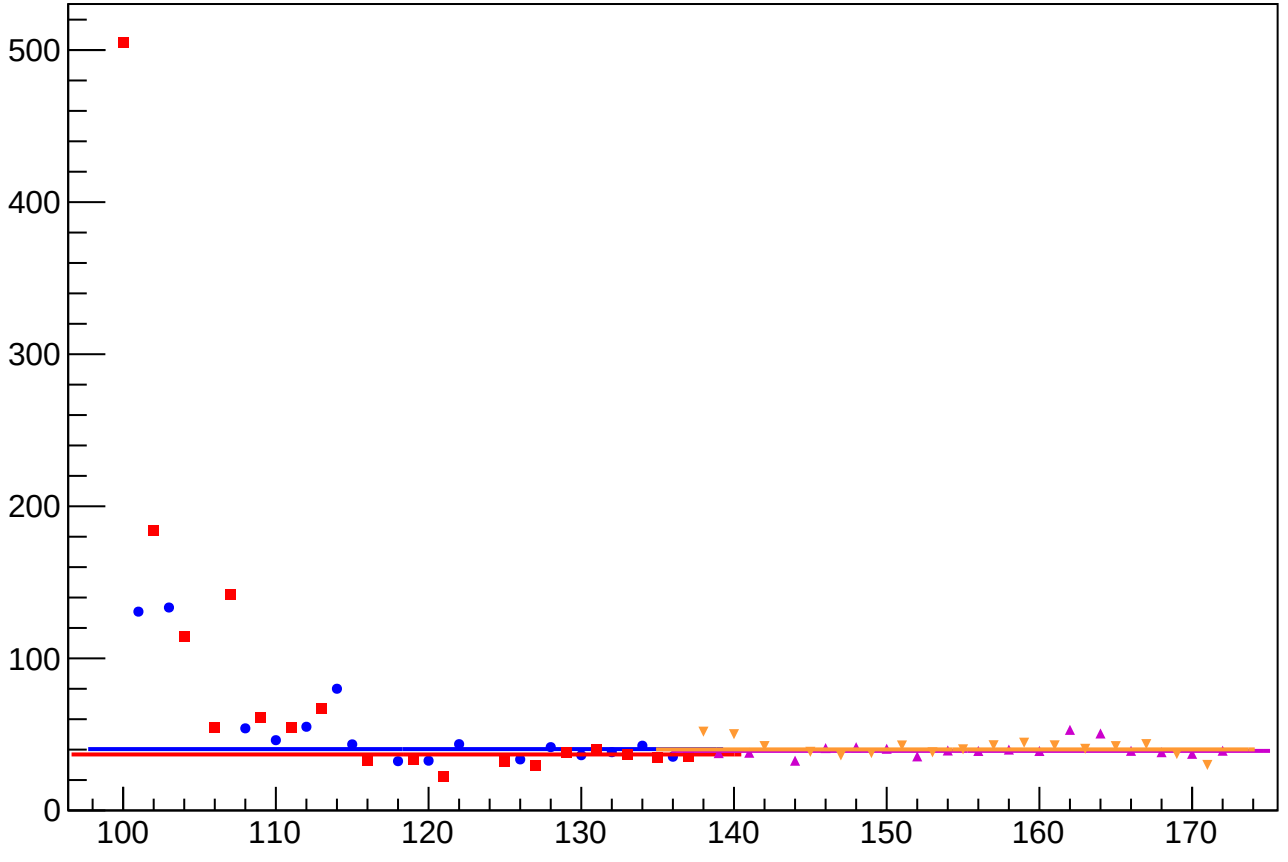
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.004+/-0.009 χ^2/NDF:32.9/32

Out: 0.000+/-0.010 χ^2/NDF:26.6/34

All: 0.002+/-0.007 χ^2/NDF: 59.6/67

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 40.150+/-0.008 χ^2/NDF:345508.2/16

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: 39.633+/-0.006 χ^2/NDF: 588751.3/33

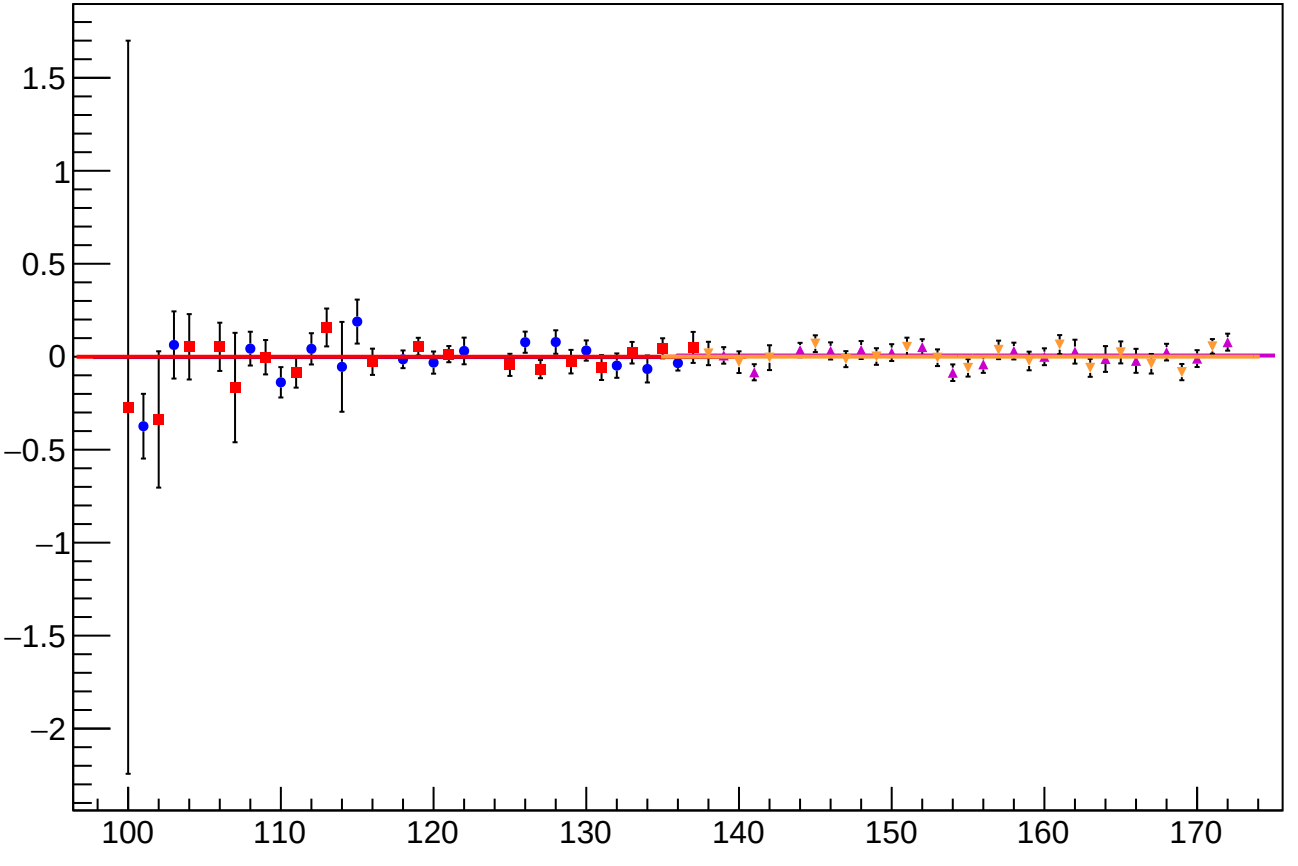
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.526+/-0.007 χ^2/NDF:1652874.2/32

Out: 39.029+/-0.007 χ^2/NDF:2235423.3/34

All: 39.284+/-0.005 χ^2/NDF: 3890995.9/67

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: 0.000+/-0.012 χ^2/NDF:15.7/16

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: 0.004+/-0.008 χ^2/NDF: 31.5/33

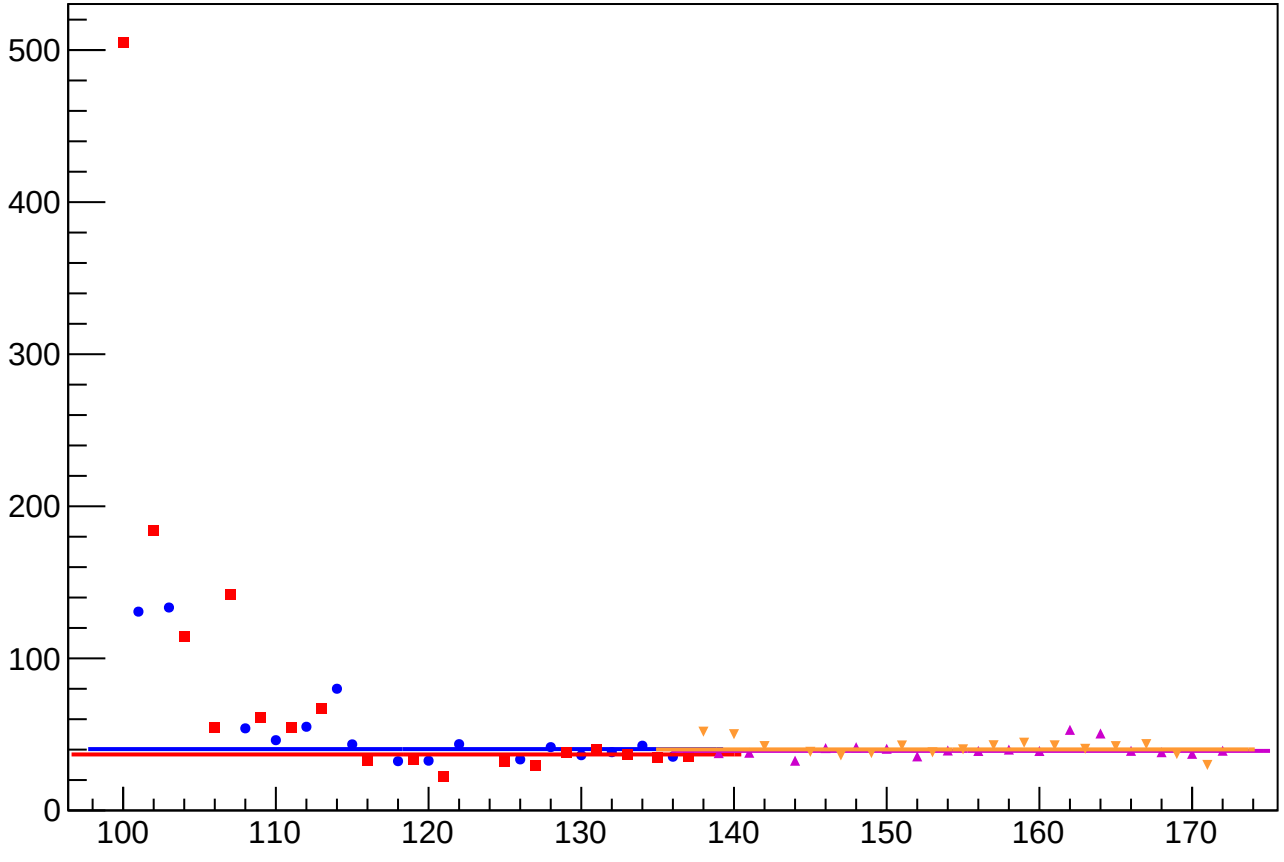
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.004+/-0.009 χ^2/NDF:32.9/32

Out: 0.000+/-0.010 χ^2/NDF:26.6/34

All: 0.002+/-0.007 χ^2/NDF: 59.6/67

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 40.150+/-0.008 χ^2/NDF:345508.2/16

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.162+/-0.008 χ^2/NDF:236003.9/16

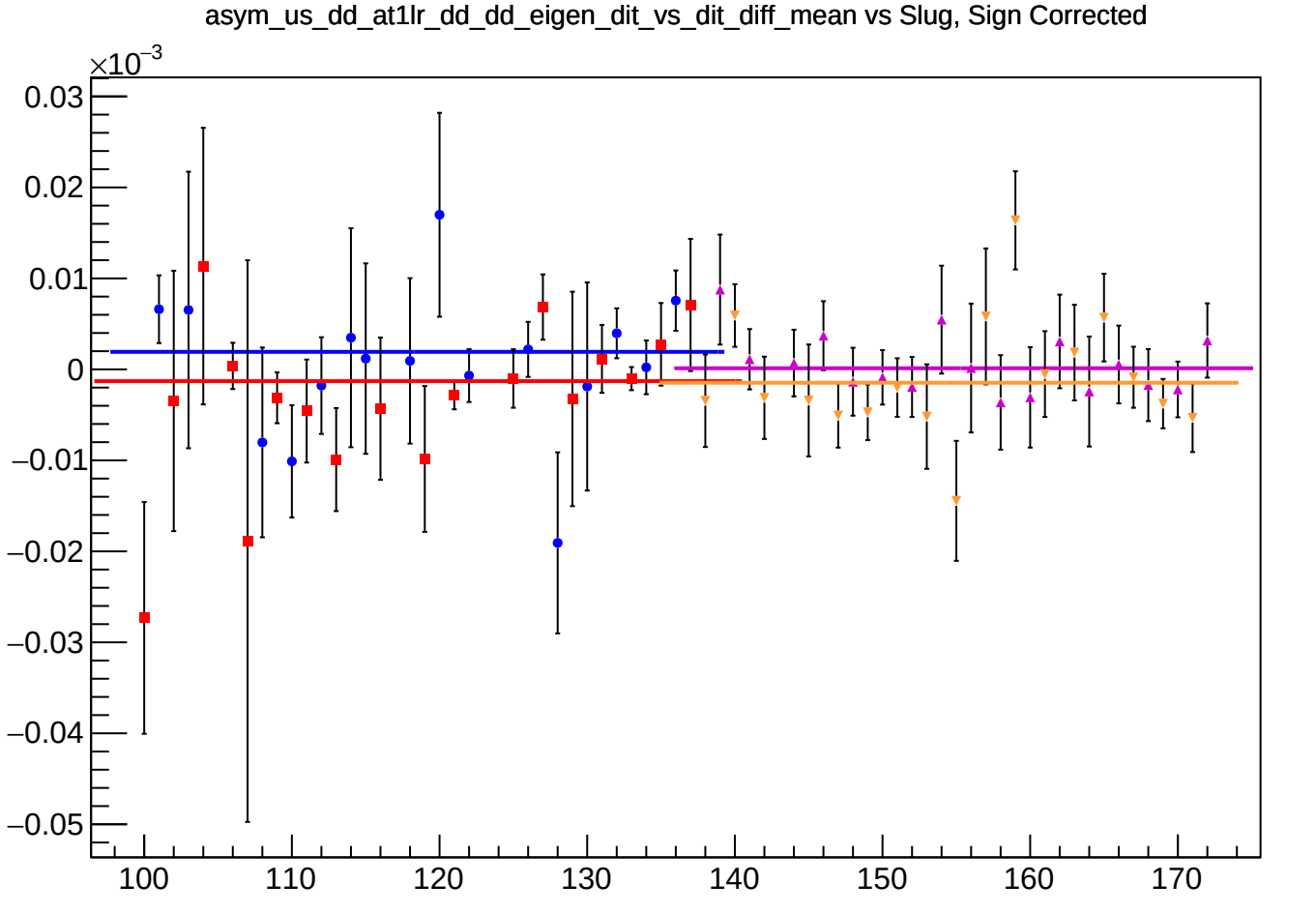
Left: 39.633+/-0.006 χ^2/NDF: 588751.3/33

Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.526+/-0.007 χ^2/NDF:1652874.2/32

Out: 39.029+/-0.007 χ^2/NDF:2235423.3/34

All: 39.284+/-0.005 χ^2/NDF: 3890995.9/67



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.8/16

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: 0.000+/-0.000 χ^2/NDF:7.2/16

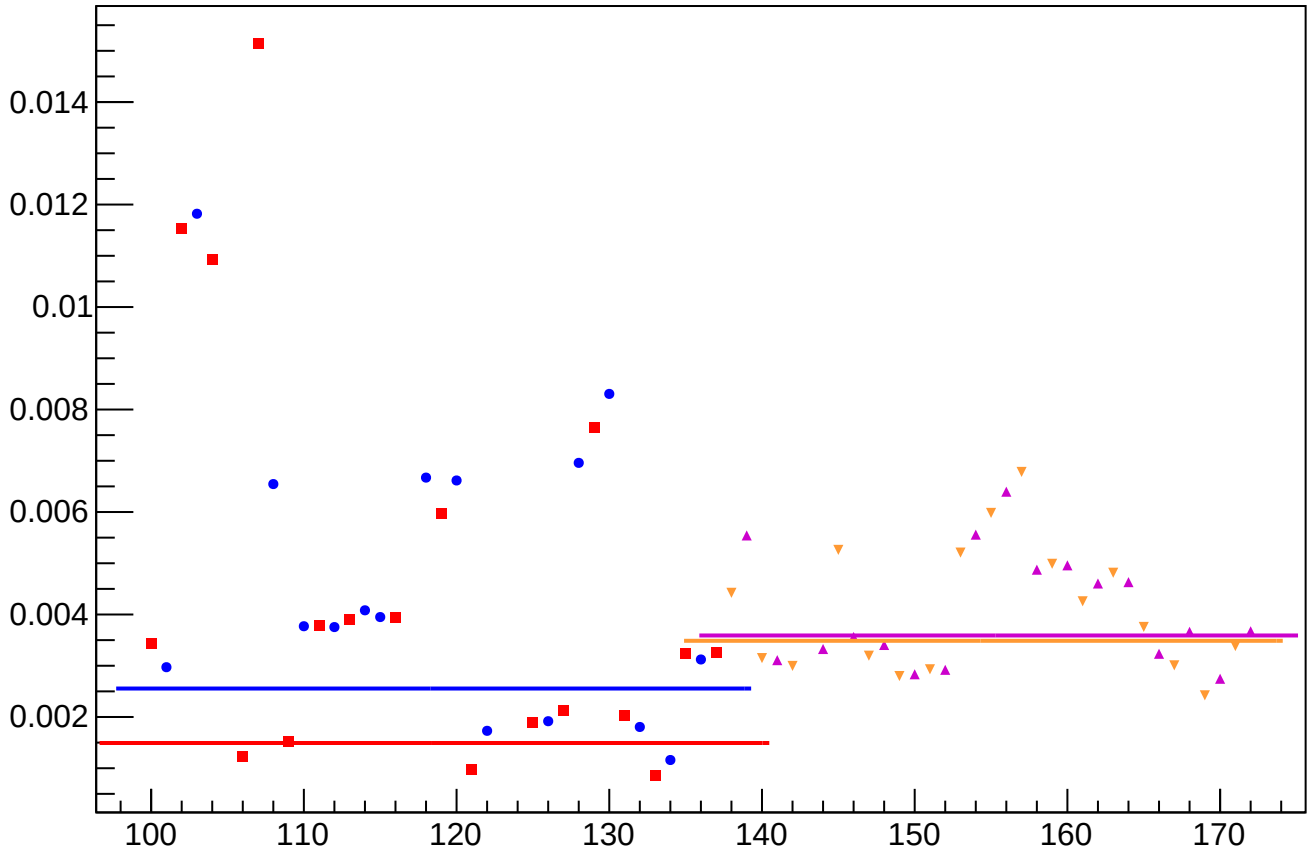
Left: -0.000+/-0.000 χ^2/NDF: 36.4/33

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:46.7/34

All: -0.000+/-0.000 χ^2/NDF: 78.8/67



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.003+/-0.000 χ^2/NDF:2000065.8/16

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: 3571840.6/33

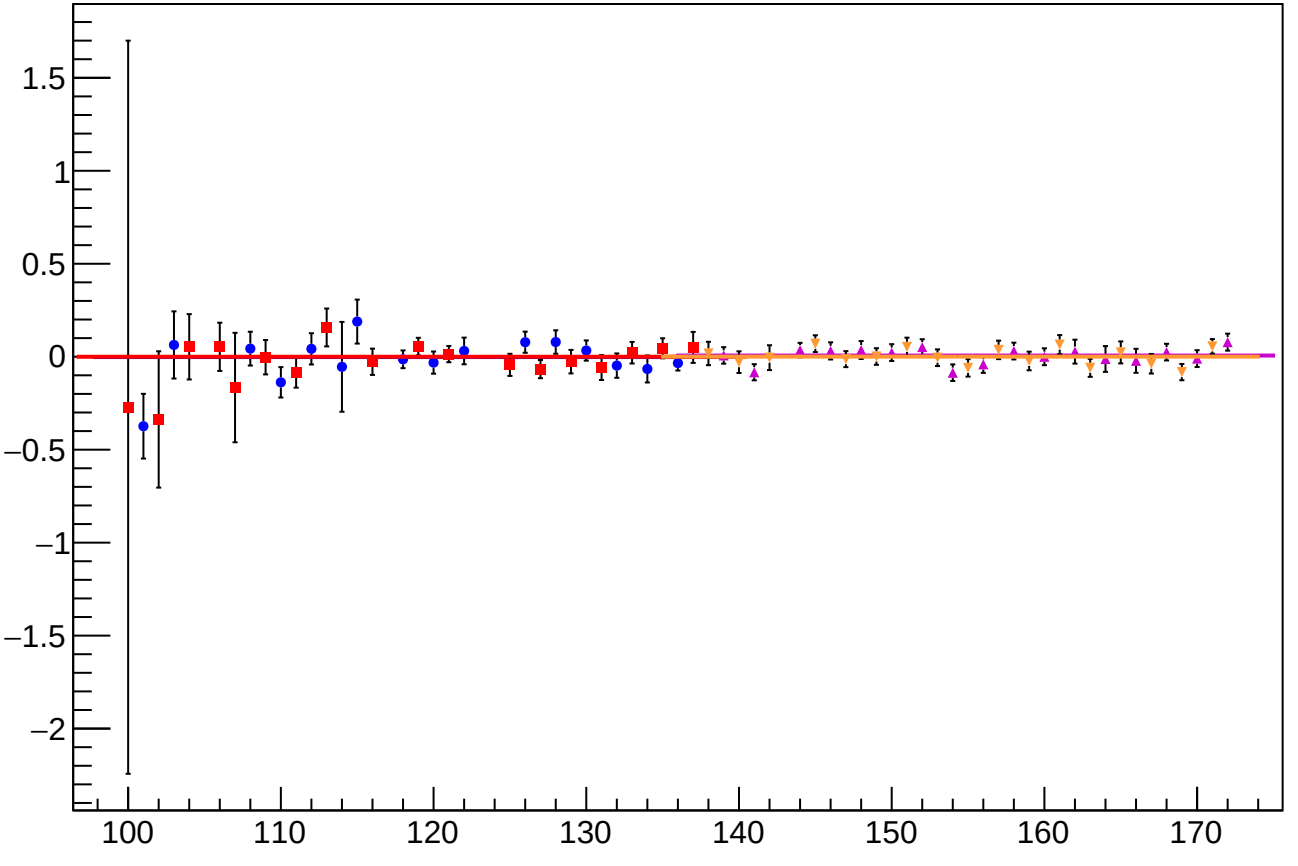
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:6276595.3/32

Out: 0.002+/-0.000 χ^2/NDF:12670164.6/34

All: 0.003+/-0.000 χ^2/NDF: 20805728.6/67

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: 0.000+/-0.012 χ^2/NDF:15.7/16

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: 0.004+/-0.008 χ^2/NDF: 31.5/33

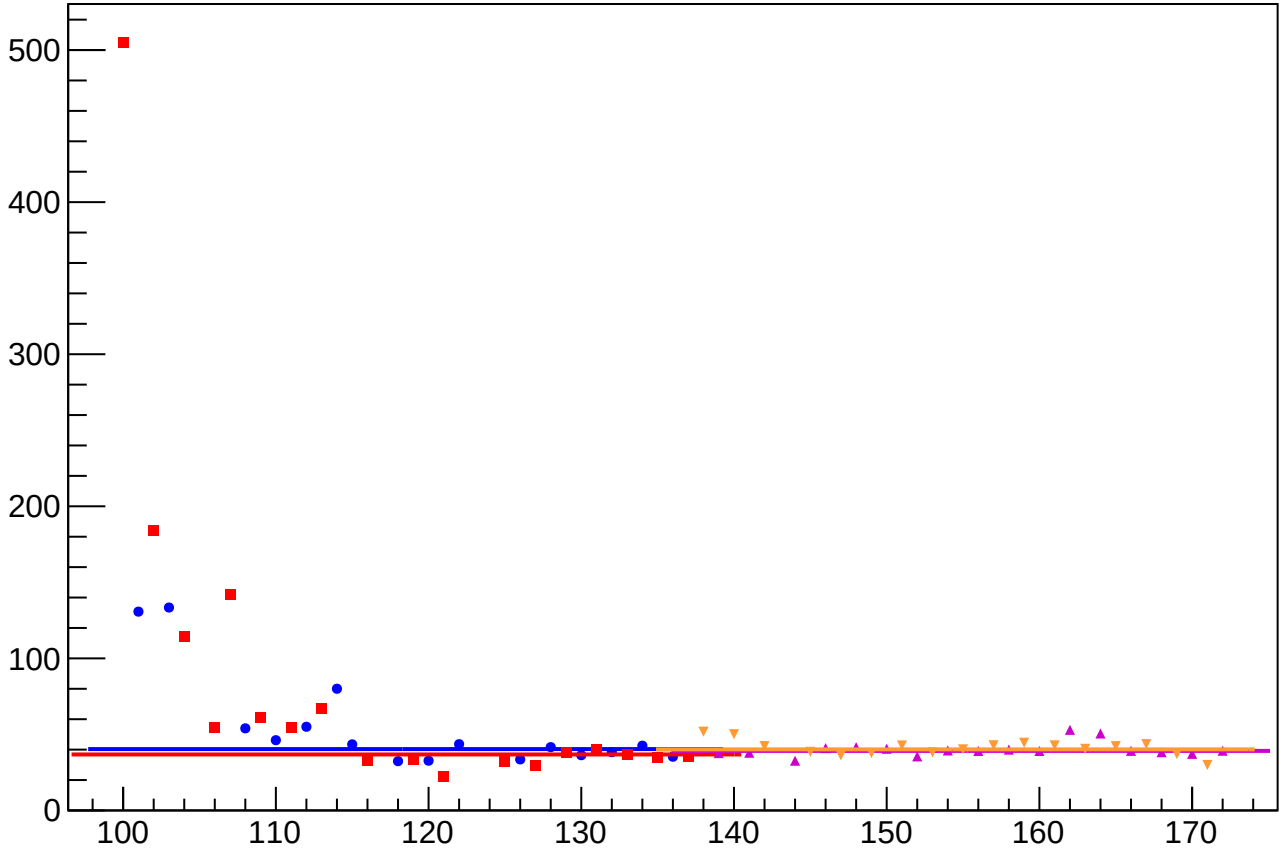
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.004+/-0.009 χ^2/NDF:32.9/32

Out: 0.000+/-0.010 χ^2/NDF:26.6/34

All: 0.002+/-0.007 χ^2/NDF: 59.6/67

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 40.150+/-0.008 χ^2/NDF:345552.0/16

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: 39.633+/-0.006 χ^2/NDF: 588765.3/33

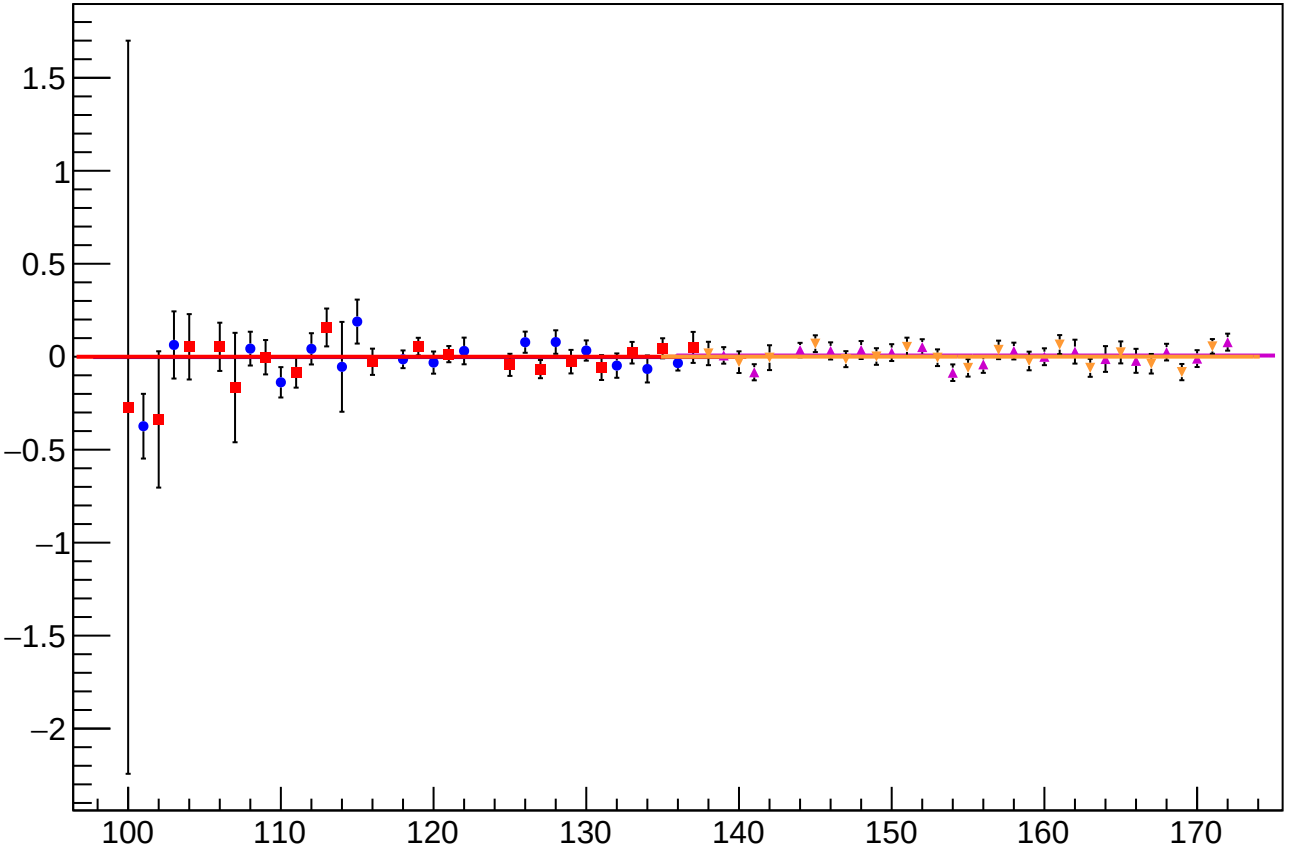
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.526+/-0.007 χ^2/NDF:1652753.8/32

Out: 39.029+/-0.007 χ^2/NDF:2235481.8/34

All: 39.283+/-0.005 χ^2/NDF: 3890940.5/67

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: 0.000+/-0.012 χ^2/NDF:15.7/16

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: 0.004+/-0.008 χ^2/NDF: 31.5/33

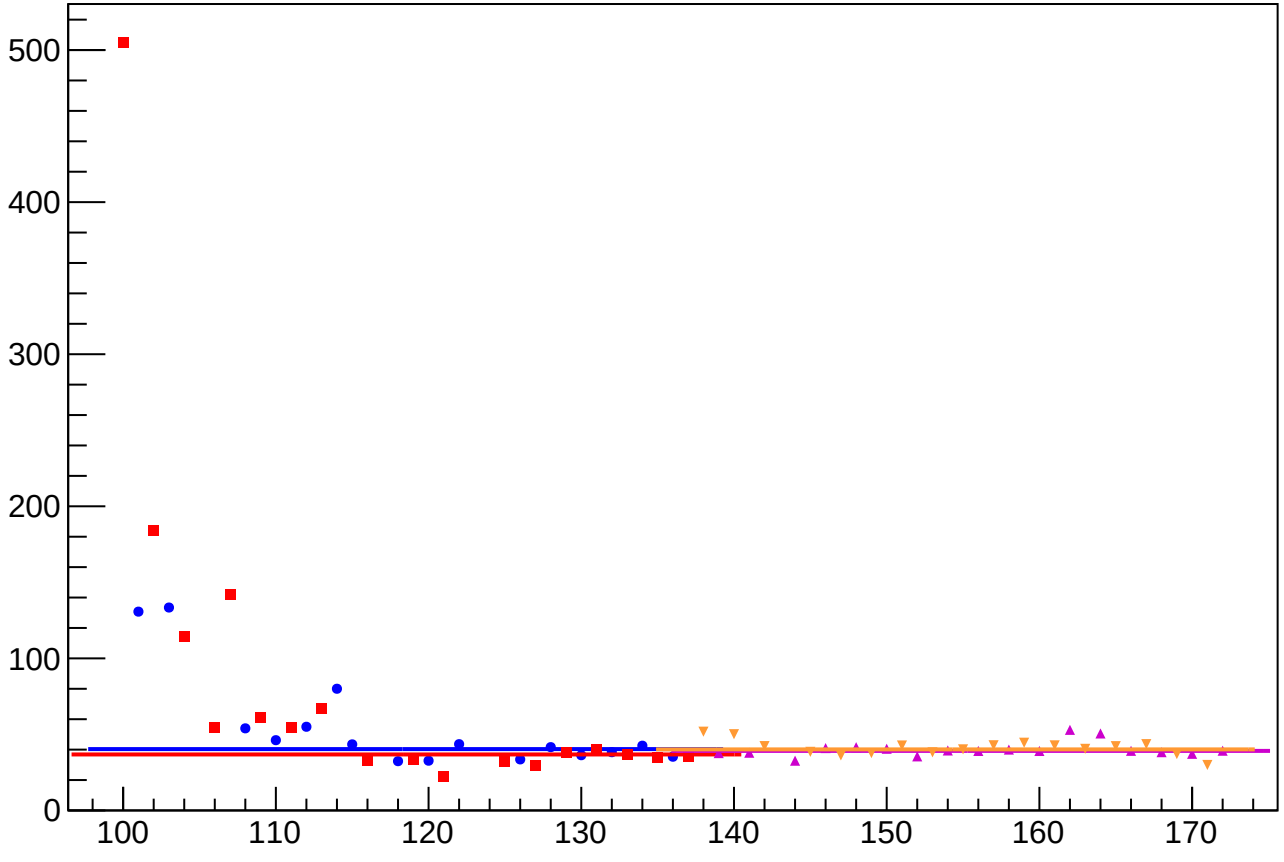
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.004+/-0.009 χ^2/NDF:32.9/32

Out: 0.000+/-0.010 χ^2/NDF:26.6/34

All: 0.002+/-0.007 χ^2/NDF: 59.6/67

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 40.150+/-0.008 χ^2/NDF:345552.0/16

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.162+/-0.008 χ^2/NDF:235976.9/16

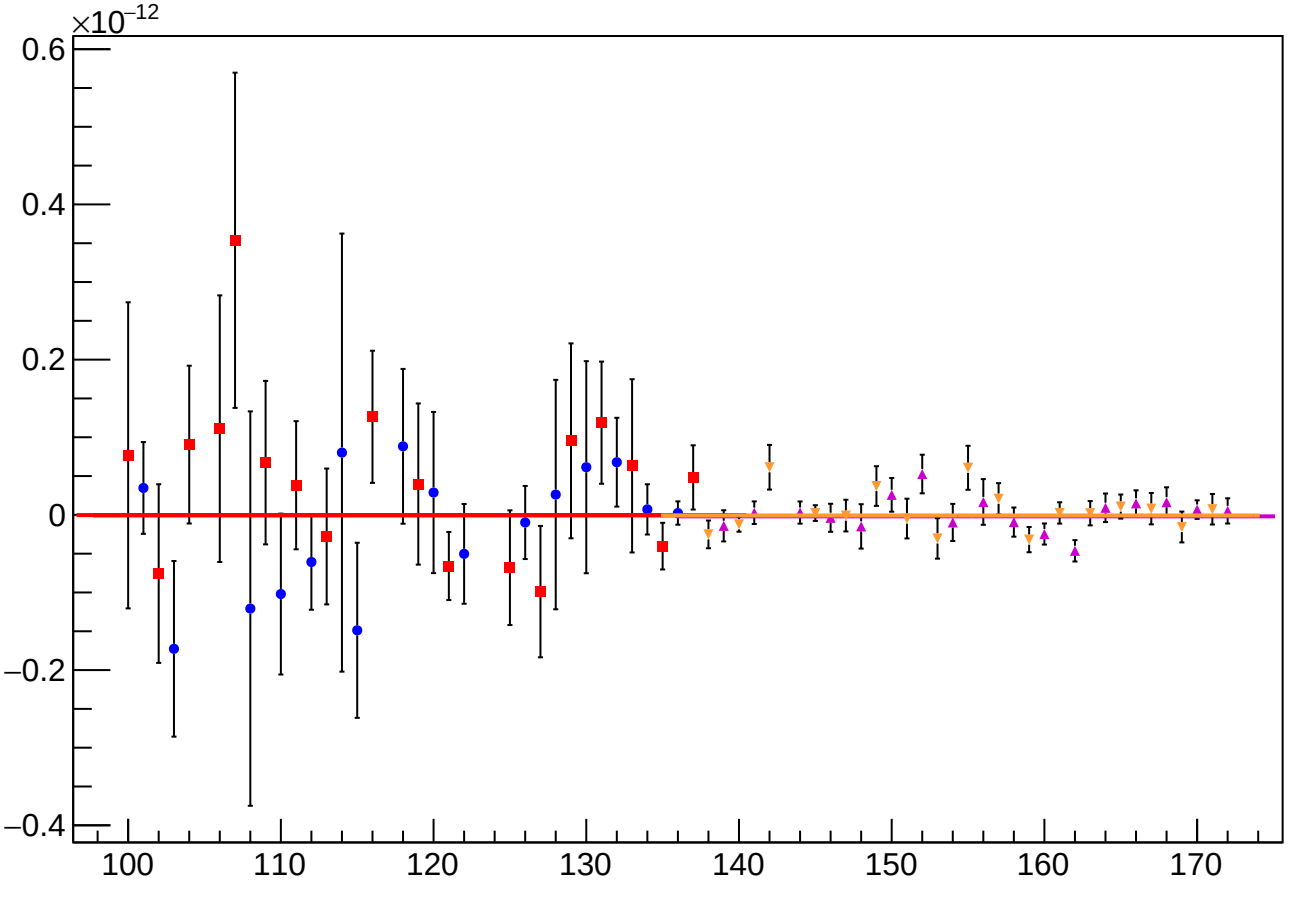
Left: 39.633+/-0.006 χ^2/NDF: 588765.3/33

Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.526+/-0.007 χ^2/NDF:1652753.8/32

Out: 39.029+/-0.007 χ^2/NDF:2235481.8/34

All: 39.283+/-0.005 χ^2/NDF: 3890940.5/67



Right In: -0.000+/-0.000 χ^2/NDF: 9.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/16

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/17

Left In: -0.000+/-0.000 χ^2/NDF:24.1/16

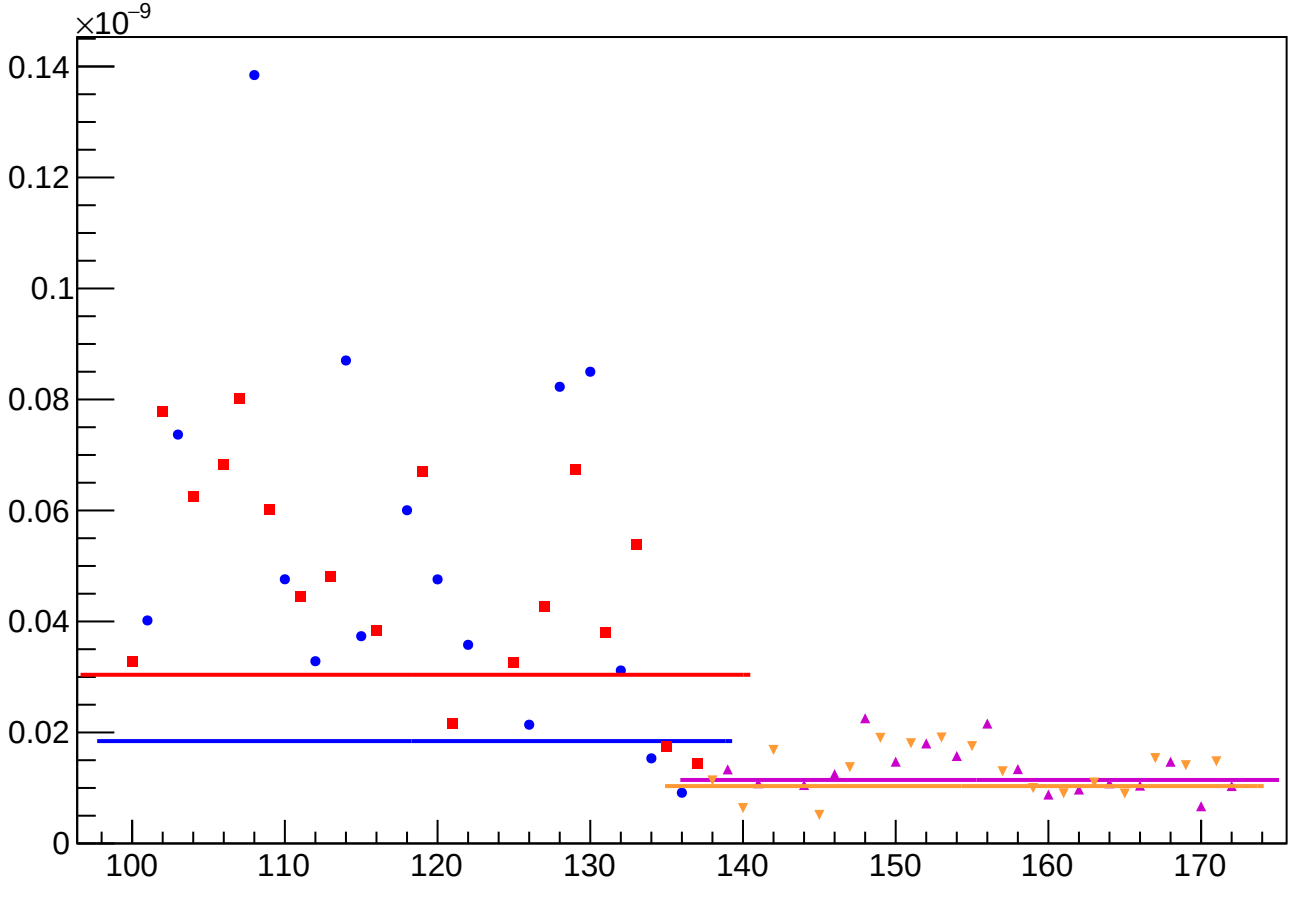
Left: -0.000+/-0.000 χ^2/NDF: 46.8/33

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:41.0/34

All: -0.000+/-0.000 χ^2/NDF: 75.0/67



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2178571.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1344879.2/16

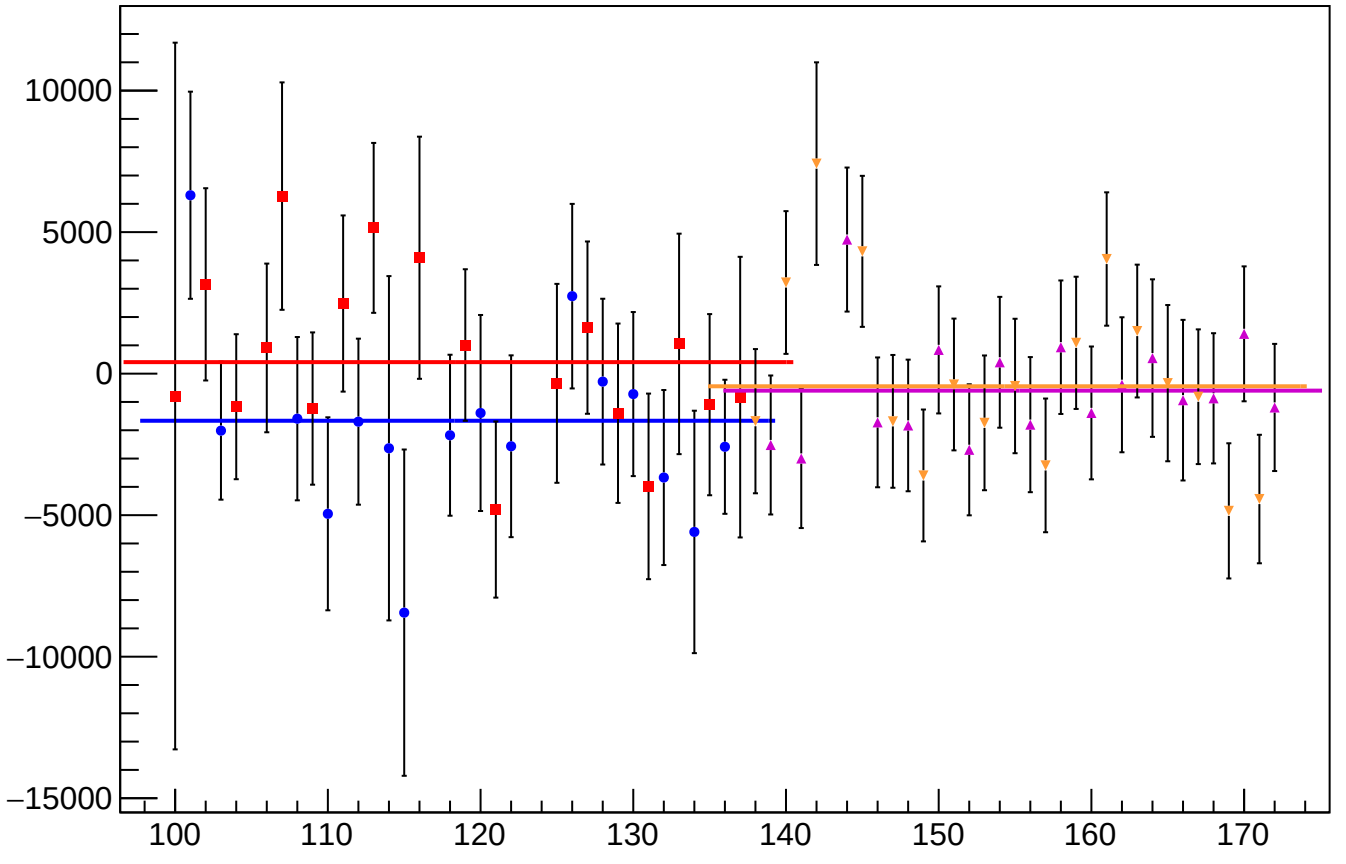
Left: 0.000+/-0.000 χ^2/NDF: 3595044.5/33

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:7364389.6/34

All: 0.000+/-0.000 χ^2/NDF: 13419022.0/67



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: -446.463+/-593.827 χ^2/NDF:25.4/16

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: -599.967+/-580.987 χ^2/NDF:9.7/16

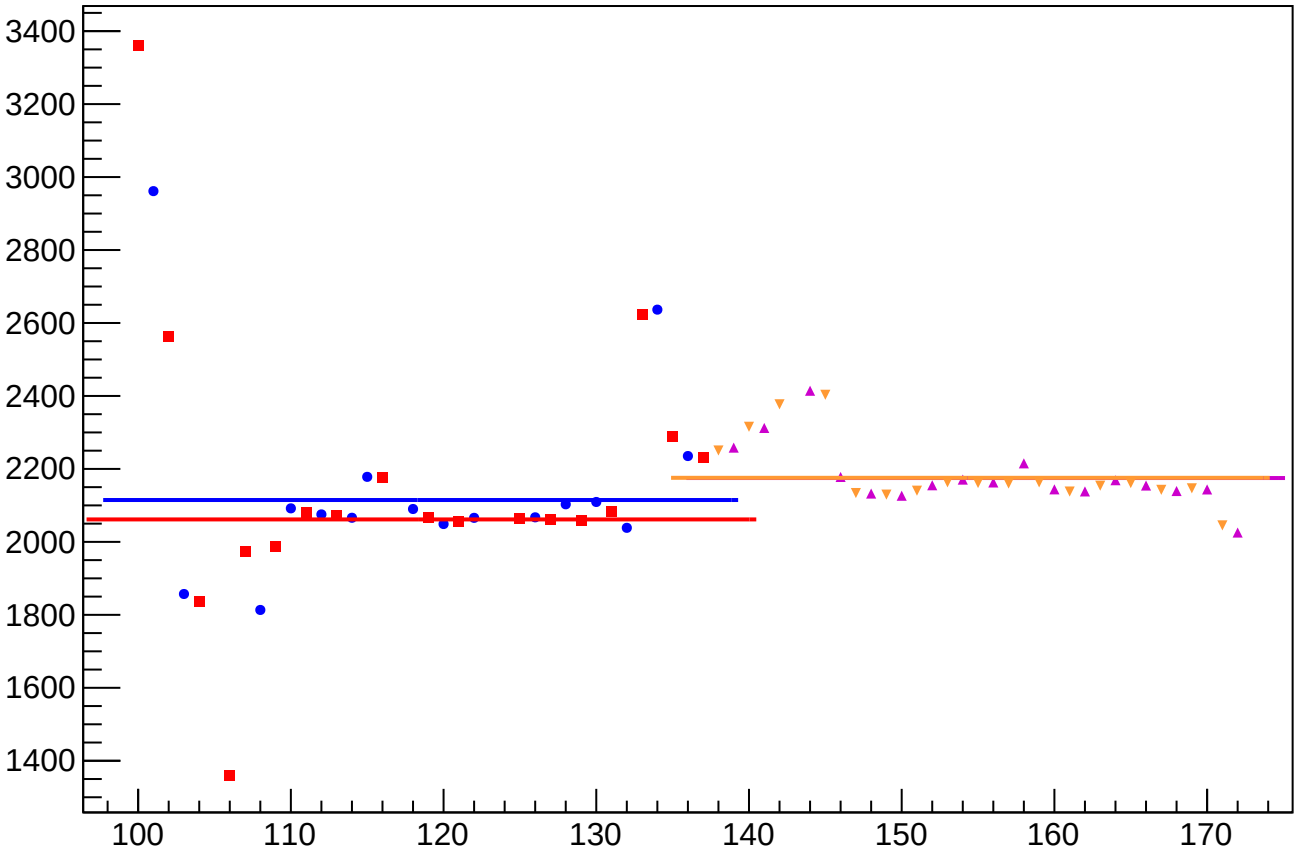
Left: -524.893+/-415.285 χ^2/NDF: 35.2/33

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -972.234+/-468.492 χ^2/NDF:21.6/32

Out: -131.910+/-471.849 χ^2/NDF:38.9/34

All: -555.072+/-332.454 χ^2/NDF: 62.2/67



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2175.620+/-0.420 χ^2/NDF:38938.3/16

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: 2175.308+/-0.294 χ^2/NDF: 78178.3/33

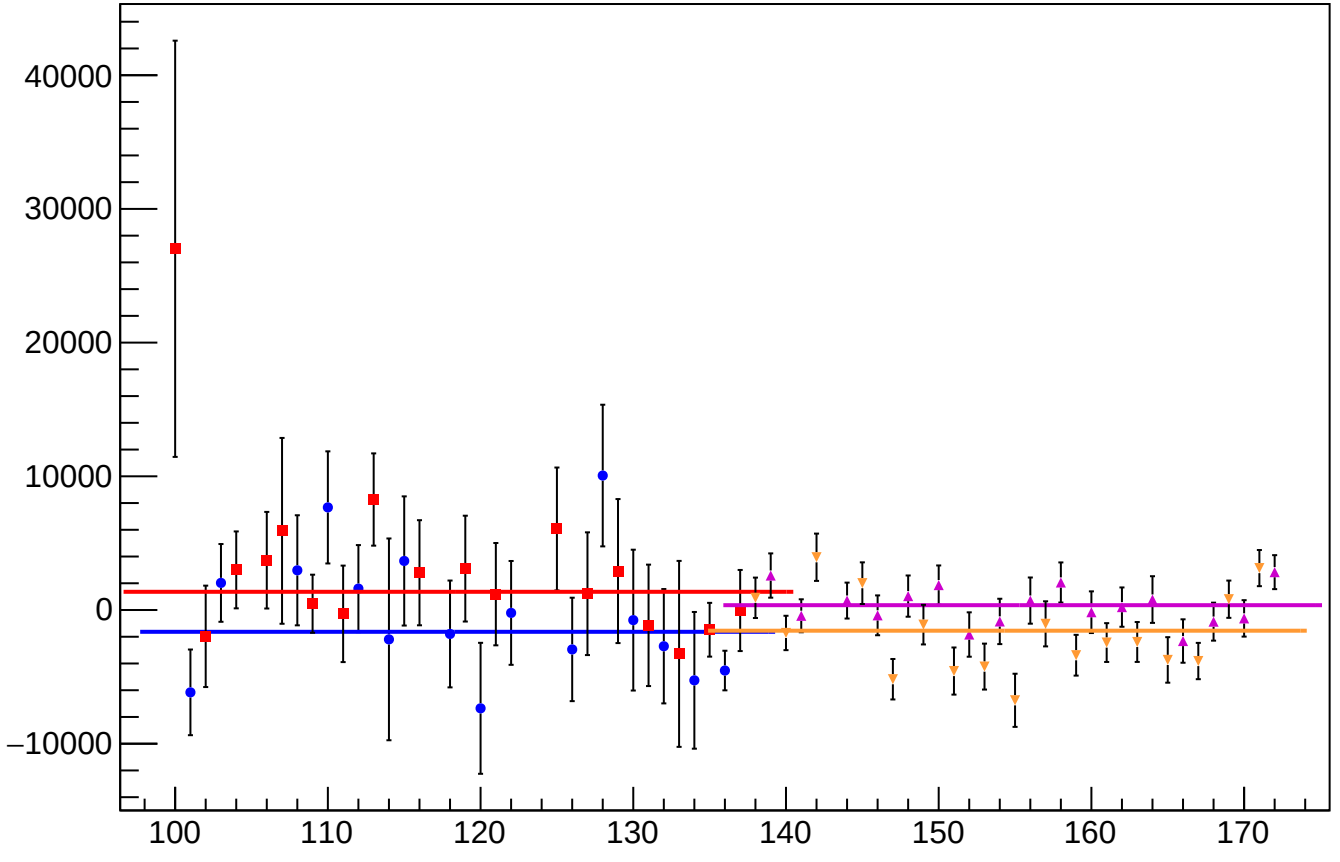
Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2153.935+/-0.331 χ^2/NDF:236683.7/32

Out: 2133.574+/-0.334 χ^2/NDF:315324.6/34

All: 2143.827+/-0.235 χ^2/NDF: 553883.7/67

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: -1547.993+/-371.747 χ^2/NDF:57.1/16

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: -568.118+/-259.309 χ^2/NDF: 86.0/33

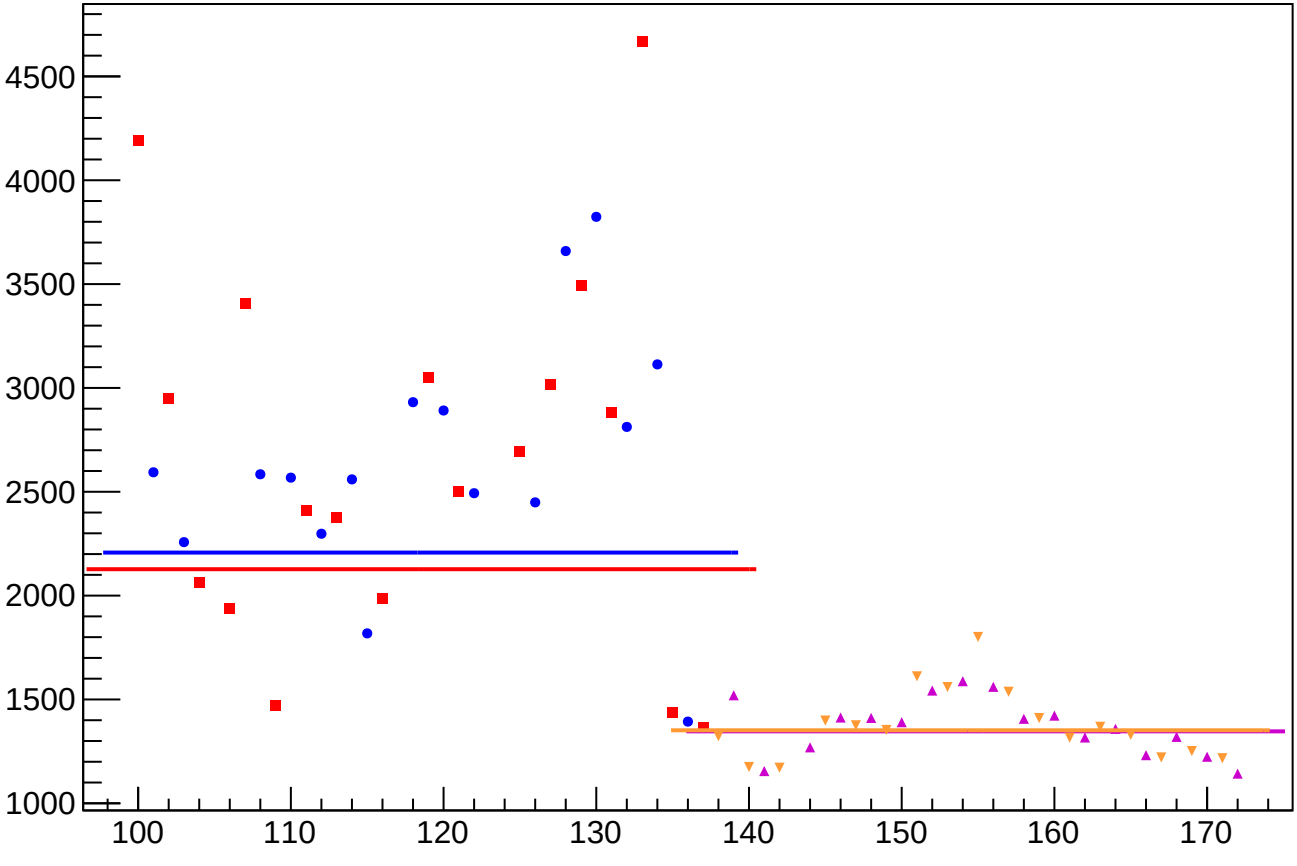
Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: 62.387+/-333.699 χ^2/NDF:42.7/32

Out: -1071.819+/-339.972 χ^2/NDF:80.6/34

All: -494.155+/-238.148 χ^2/NDF: 129.0/67

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: 1351.472+/-0.263 χ^2/NDF:314177.1/16

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1346.381+/-0.256 χ^2/NDF:272282.6/16

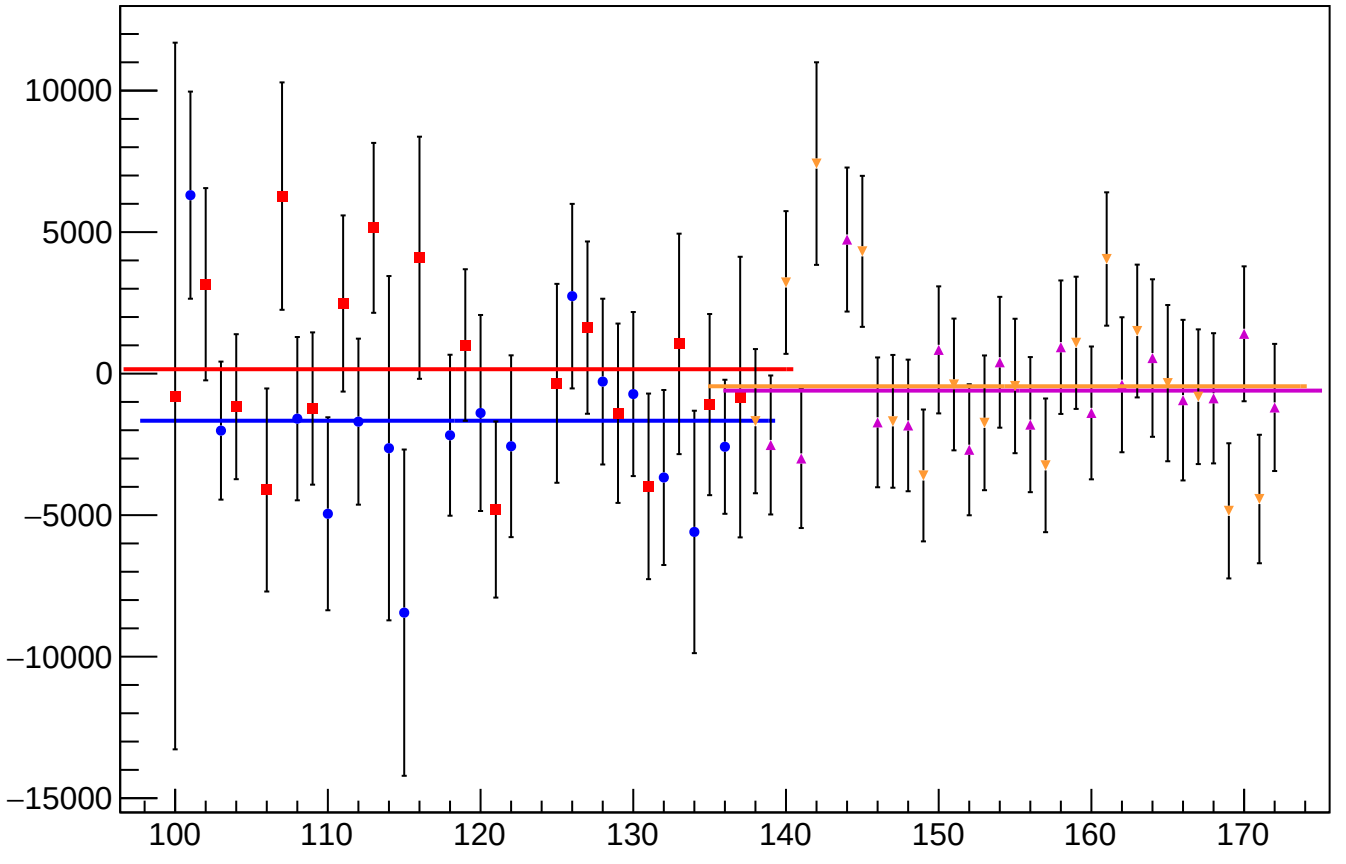
Left: 1348.858+/-0.183 χ^2/NDF: 586652.3/33

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1475.269+/-0.236 χ^2/NDF:3216028.8/32

Out: 1478.419+/-0.240 χ^2/NDF:3197428.5/34

All: 1476.815+/-0.168 χ^2/NDF: 6413544.6/67



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -446.288+/-593.827 χ^2/NDF:25.4/16

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -599.830+/-580.987 χ^2/NDF:9.7/16

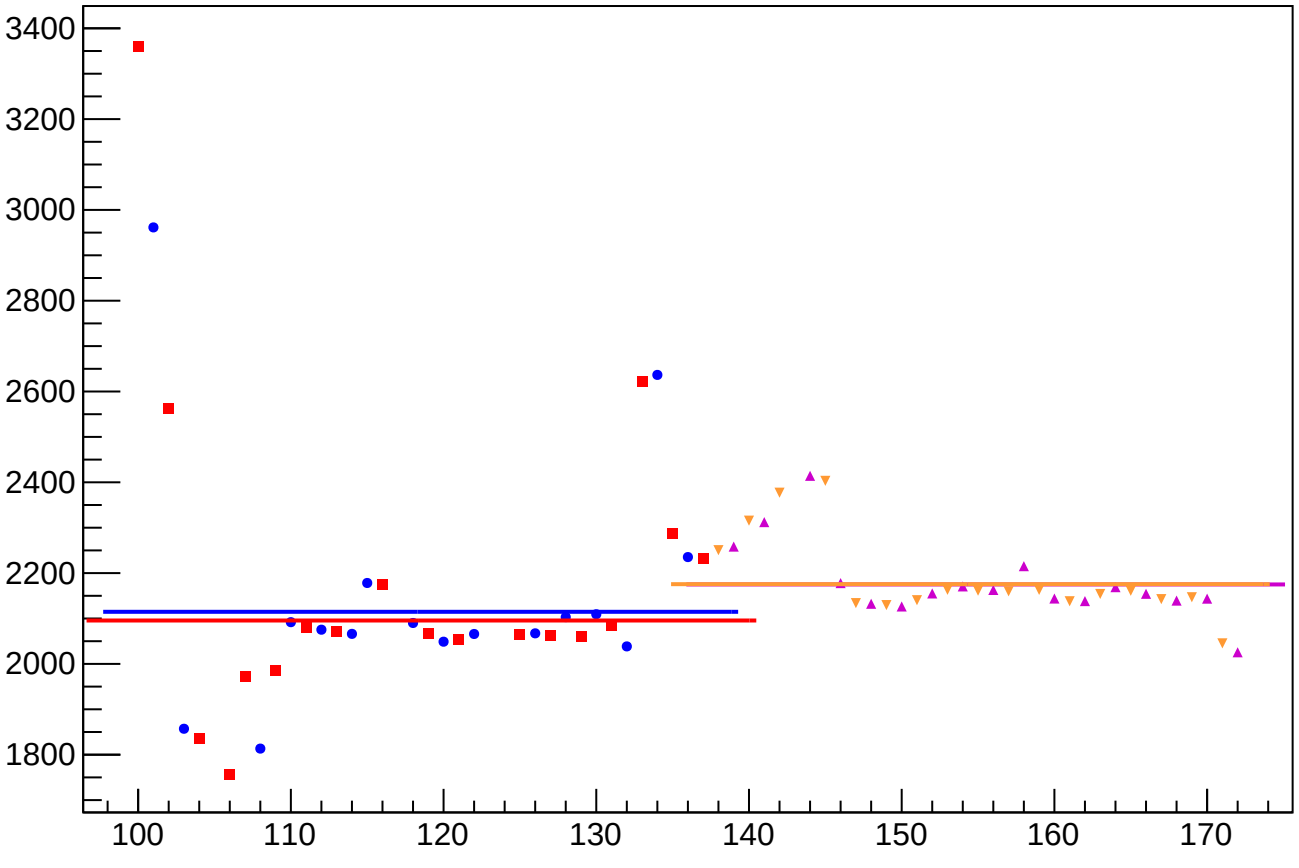
Left: -524.737+/-415.285 χ^2/NDF: 35.2/33

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -972.118+/-468.492 χ^2/NDF:21.6/32

Out: -227.328+/-473.693 χ^2/NDF:40.0/34

All: -603.835+/-333.097 χ^2/NDF: 62.9/67



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2175.620+/-0.420 χ^2/NDF:38938.3/16

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: 2175.308+/-0.294 χ^2/NDF: 78178.3/33

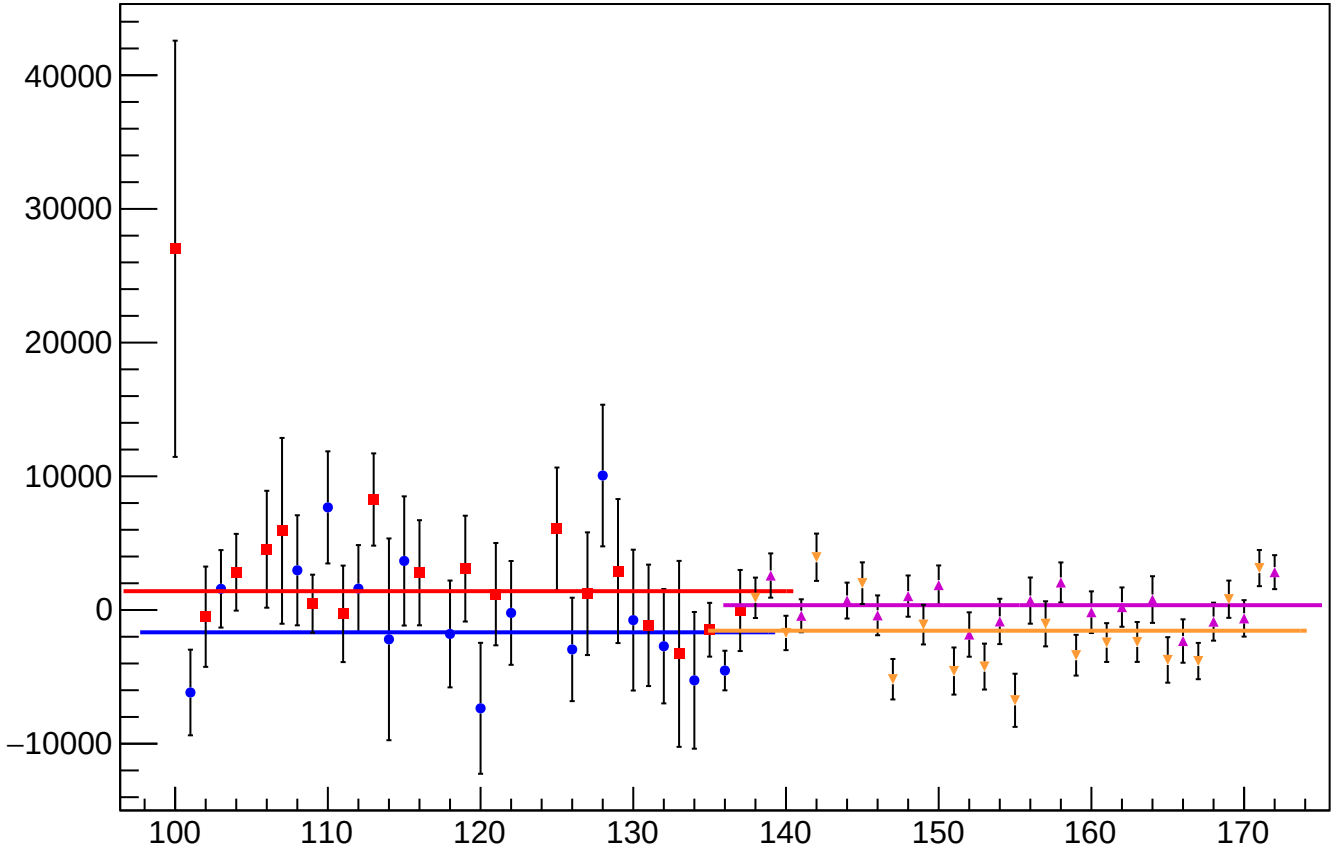
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2153.935+/-0.331 χ^2/NDF:236684.0/32

Out: 2146.517+/-0.335 χ^2/NDF:201507.5/34

All: 2150.267+/-0.236 χ^2/NDF: 438439.5/67

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: -1548.003+/-371.750 χ^2/NDF:57.1/16

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 360.348+/-361.887 χ^2/NDF:15.3/16

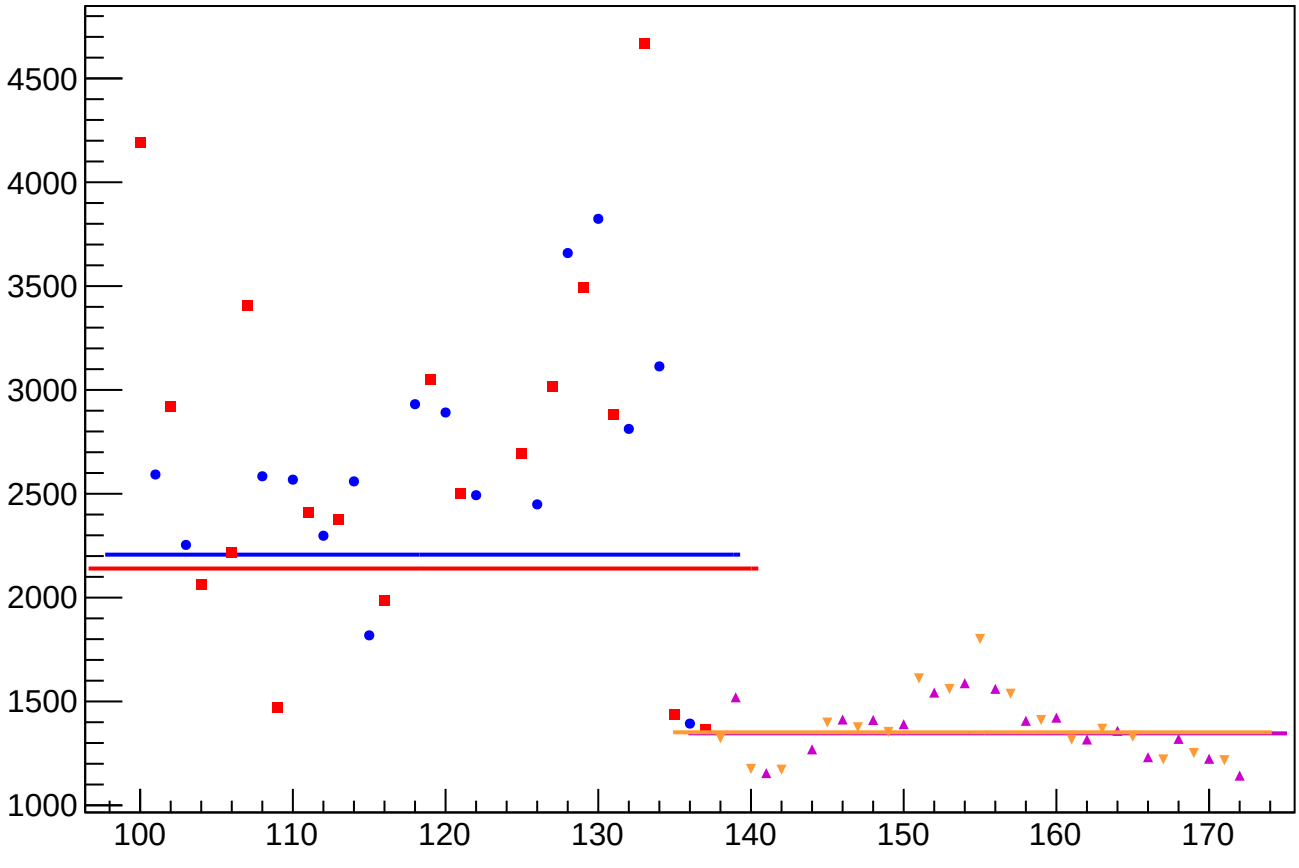
Left: -568.175+/-259.310 χ^2/NDF: 86.0/33

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 56.421+/-333.682 χ^2/NDF:42.5/32

Out: -1070.616+/-340.411 χ^2/NDF:80.3/34

All: -495.848+/-238.292 χ^2/NDF: 128.4/67



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1351.484+/-0.263 χ^2/NDF:314117.4/16

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1346.378+/-0.256 χ^2/NDF:272328.1/16

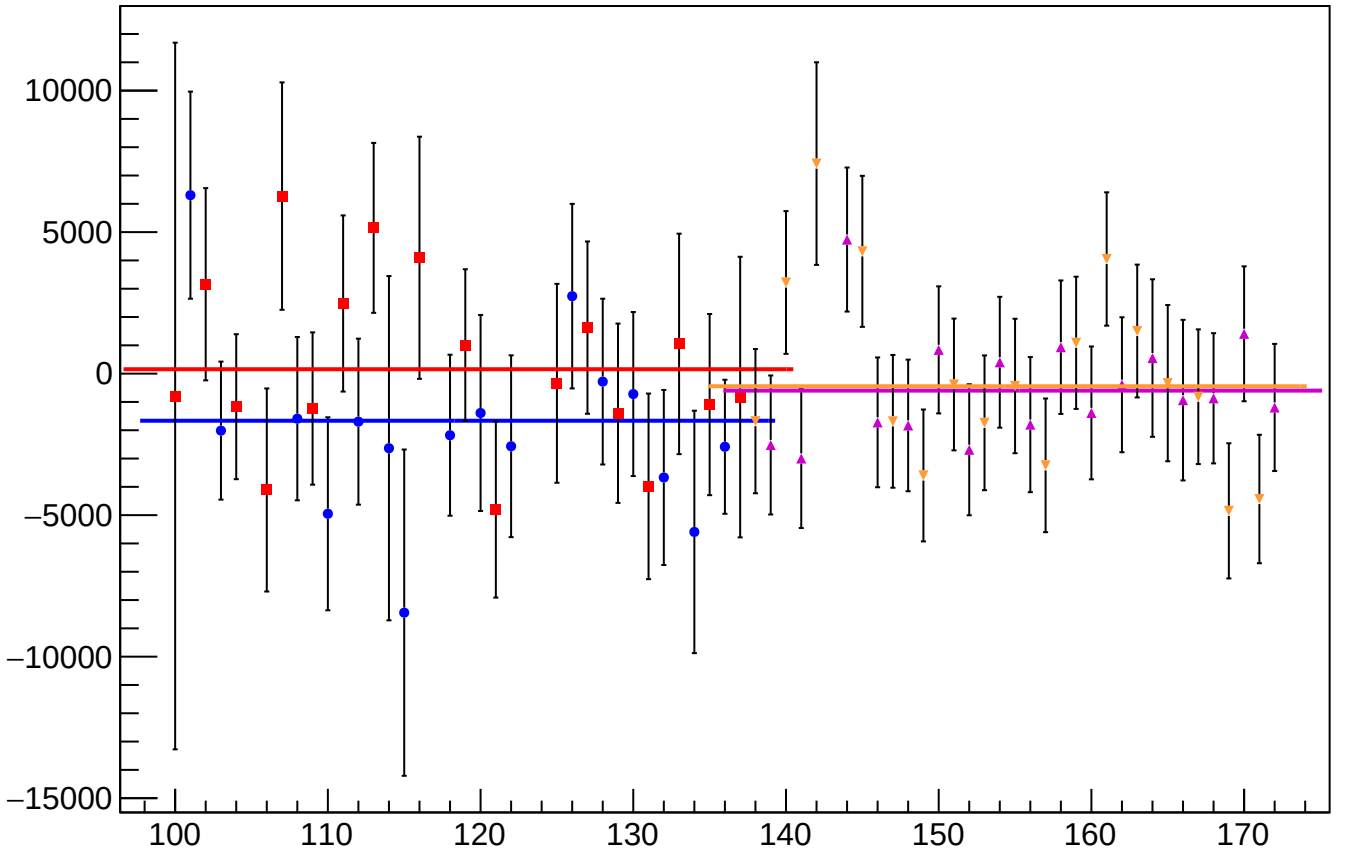
Left: 1348.863+/-0.183 χ^2/NDF: 586639.2/33

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1475.290+/-0.236 χ^2/NDF:3215493.4/32

Out: 1478.838+/-0.241 χ^2/NDF:3215878.8/34

All: 1477.029+/-0.168 χ^2/NDF: 6431483.0/67



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -446.288+/-593.827 χ^2/NDF:25.4/16

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -599.830+/-580.987 χ^2/NDF:9.7/16

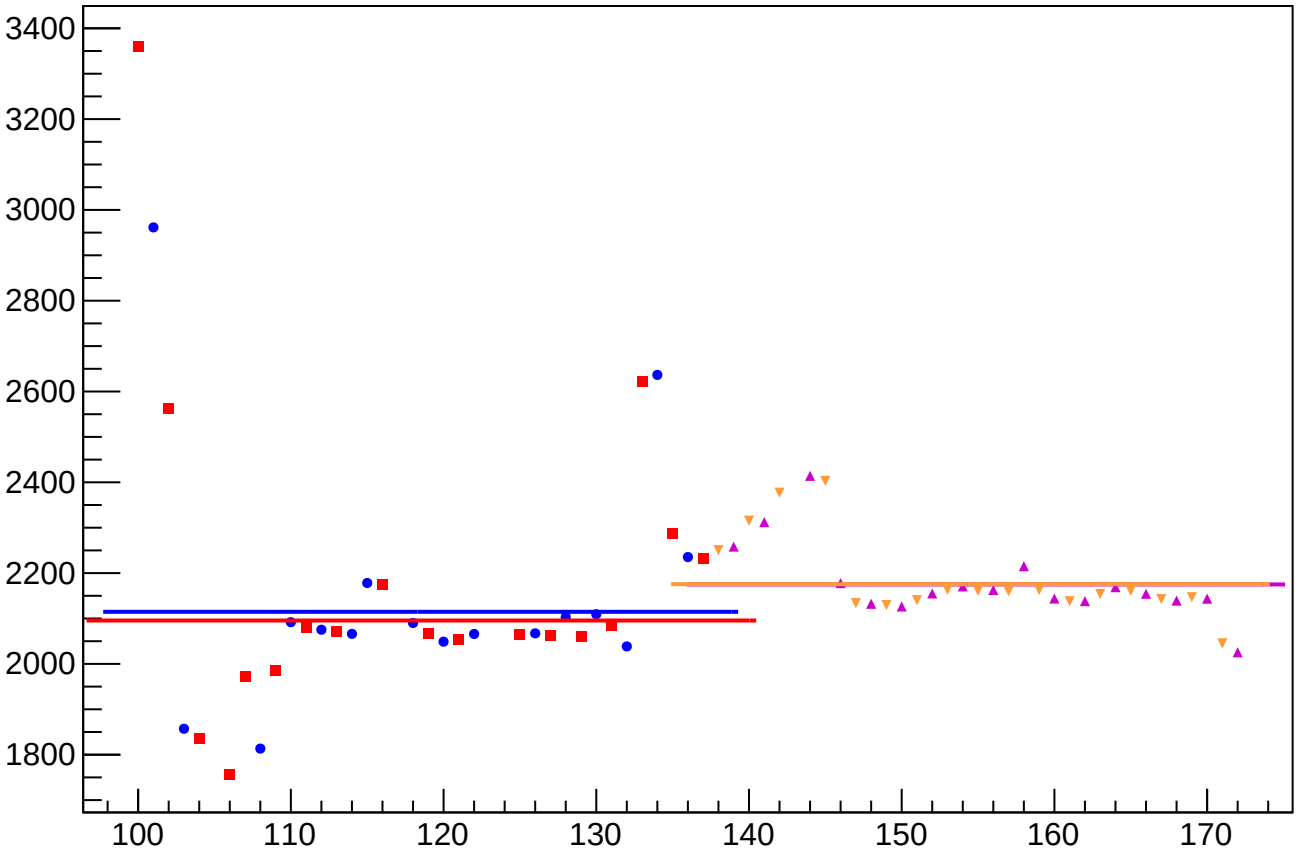
Left: -524.737+/-415.285 χ^2/NDF: 35.2/33

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -972.118+/-468.492 χ^2/NDF:21.6/32

Out: -227.328+/-473.693 χ^2/NDF:40.0/34

All: -603.835+/-333.097 χ^2/NDF: 62.9/67



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2175.620+/-0.420 χ^2/NDF:38938.3/16

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: 2175.308+/-0.294 χ^2/NDF: 78178.3/33

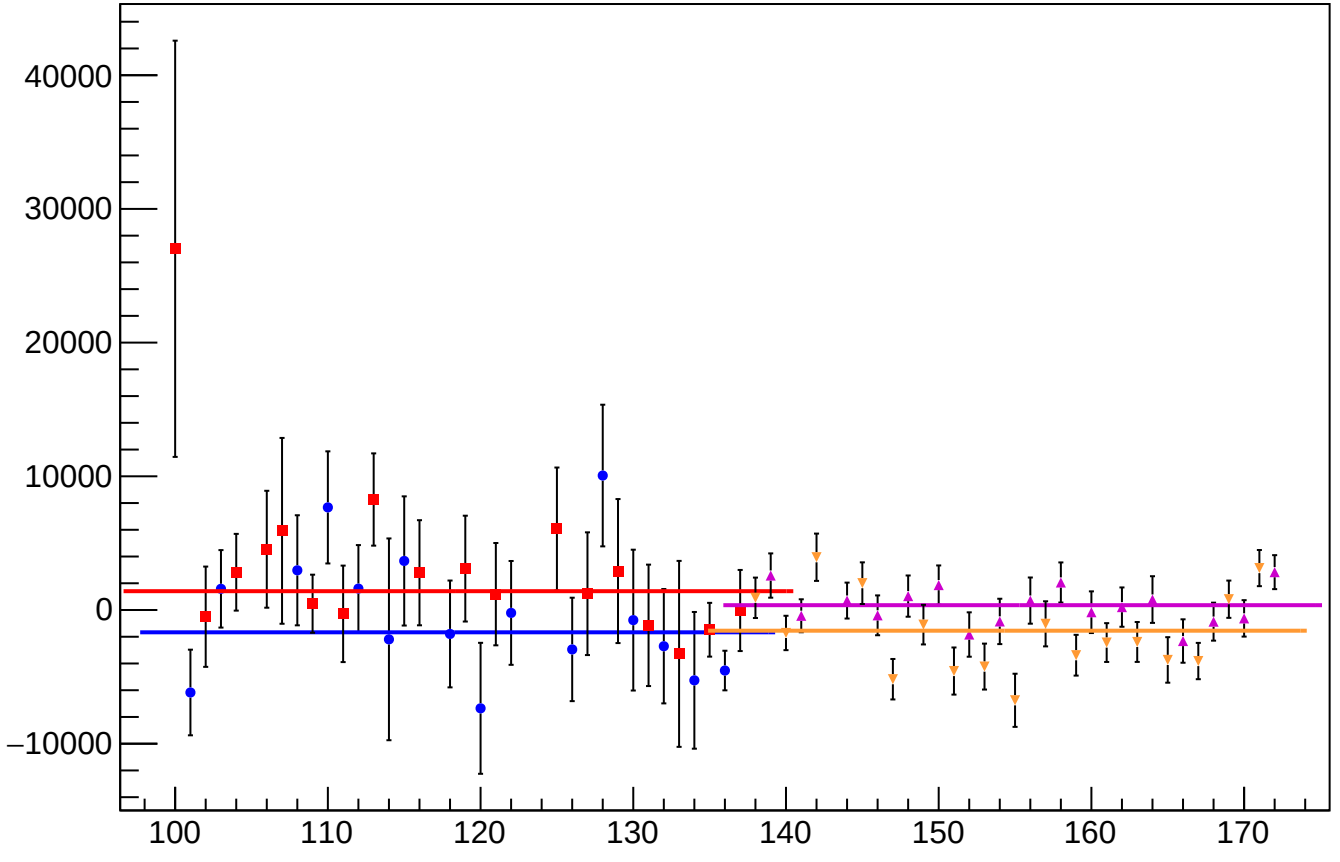
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2153.935+/-0.331 χ^2/NDF:236684.0/32

Out: 2146.517+/-0.335 χ^2/NDF:201507.5/34

All: 2150.267+/-0.236 χ^2/NDF: 438439.5/67

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: -1548.003+/-371.750 χ^2/NDF:57.1/16

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: -568.175+/-259.310 χ^2/NDF: 86.0/33

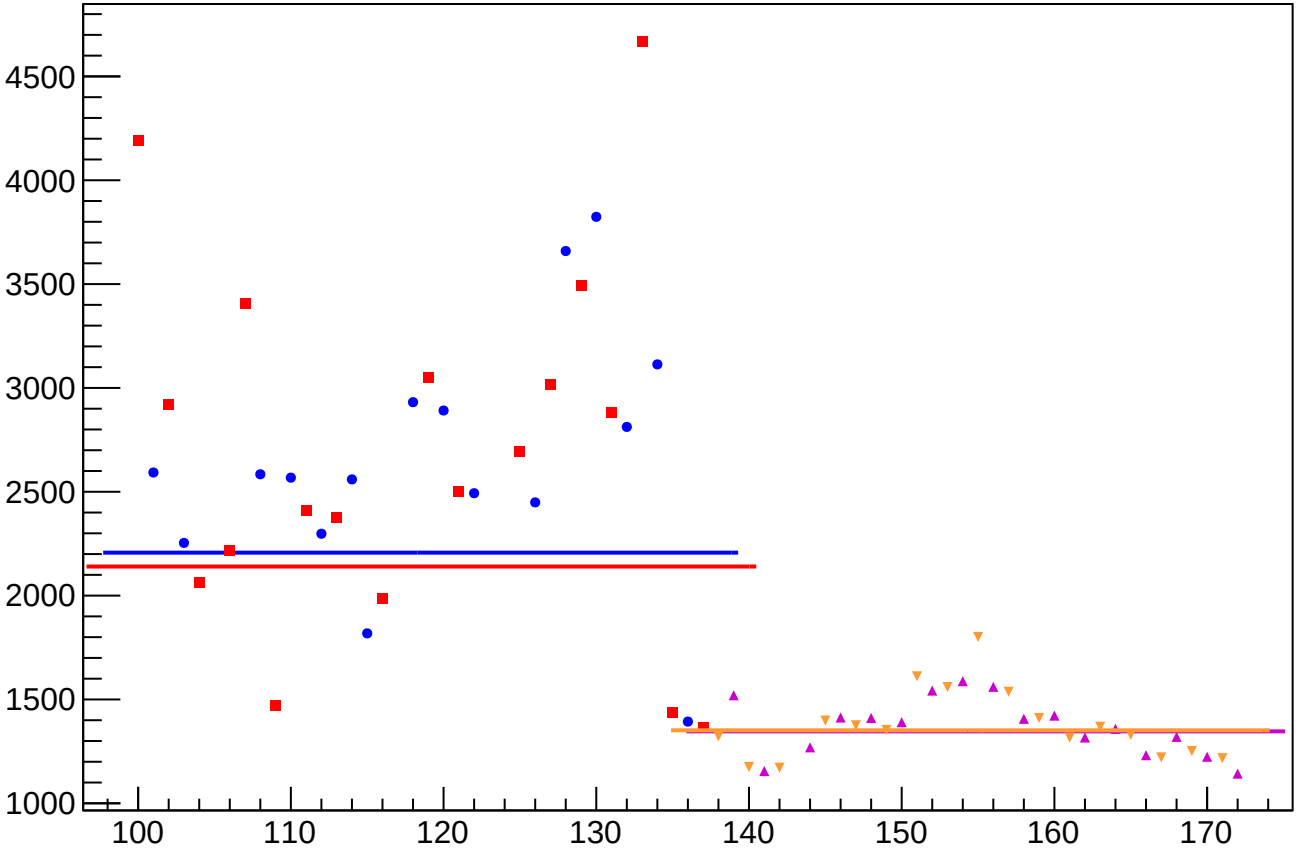
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 56.421+/-333.682 χ^2/NDF:42.5/32

Out: -1070.616+/-340.411 χ^2/NDF:80.3/34

All: -495.848+/-238.292 χ^2/NDF: 128.4/67

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: 1351.484+/-0.263 χ^2/NDF:314117.4/16

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1346.378+/-0.256 χ^2/NDF:272328.1/16

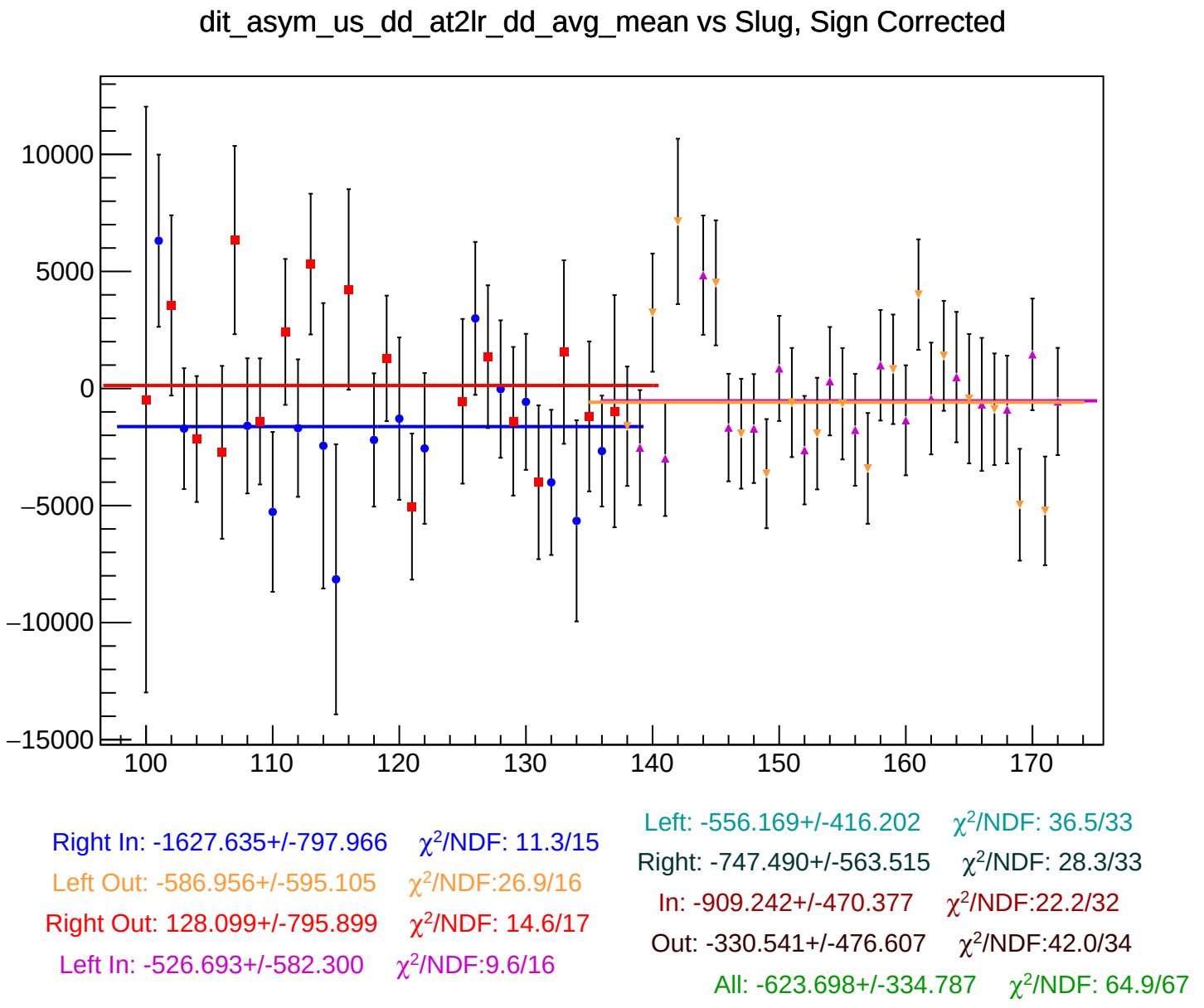
Left: 1348.863+/-0.183 χ^2/NDF: 586639.2/33

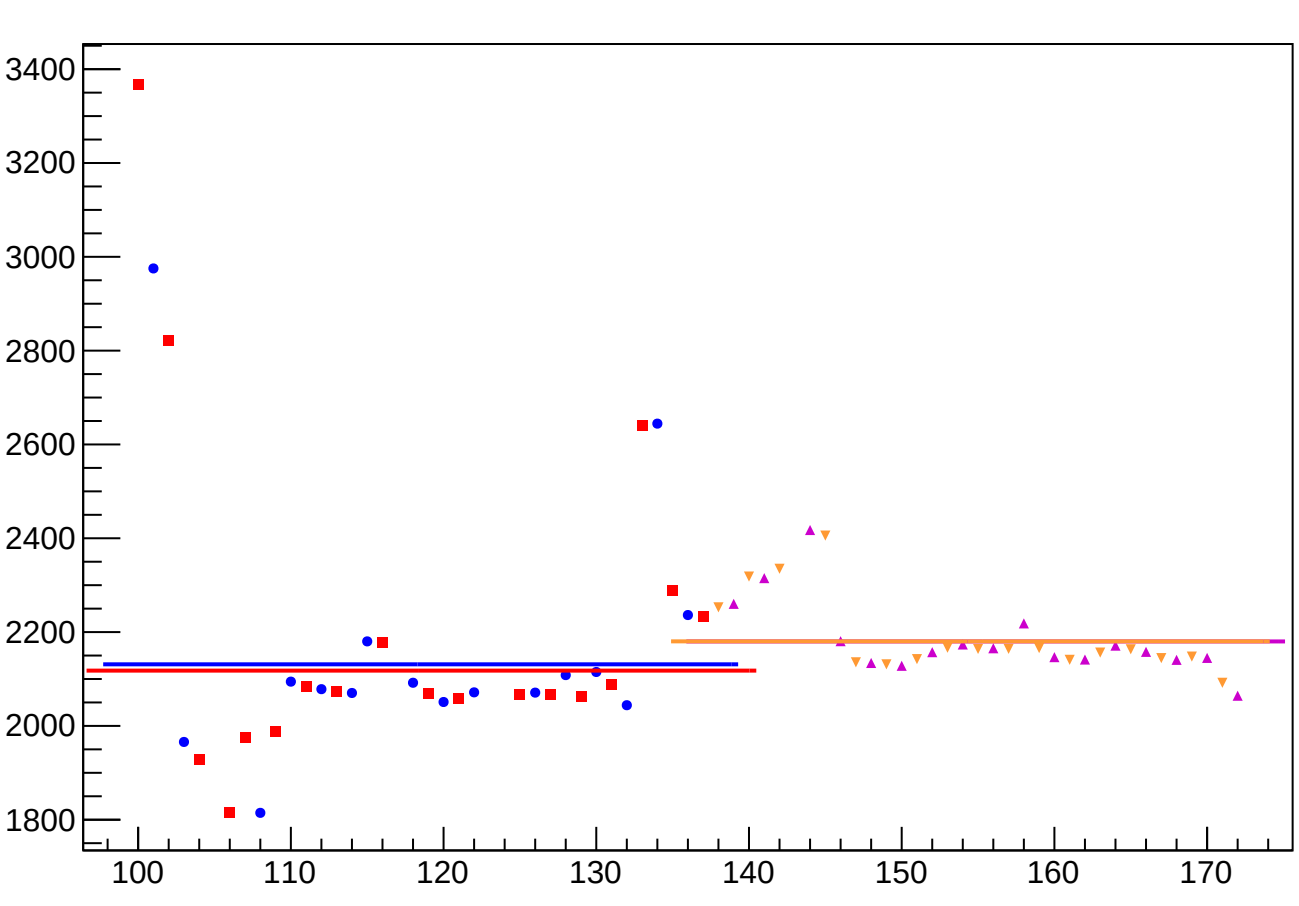
Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1475.290+/-0.236 χ^2/NDF:3215493.4/32

Out: 1478.838+/-0.241 χ^2/NDF:3215878.8/34

All: 1477.029+/-0.168 χ^2/NDF: 6431483.0/67


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: -586.956+/-595.105 χ²/NDF:26.9/16
Right Out: 128.099+/-795.899 χ²/NDF: 14.6/17
Left In: -526.693+/-582.300 χ²/NDF:9.6/16
Left: -556.169+/-416.202 χ²/NDF: 36.5/33
Right: -747.490+/-563.515 χ²/NDF: 28.3/33
In: -909.242+/-470.377 χ²/NDF:22.2/32
Out: -330.541+/-476.607 χ²/NDF:42.0/34
All: -623.698+/-334.787 χ²/NDF: 64.9/67



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2180.248+/-0.421 χ^2/NDF:32715.0/16

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2180.073+/-0.412 χ^2/NDF:35384.1/16

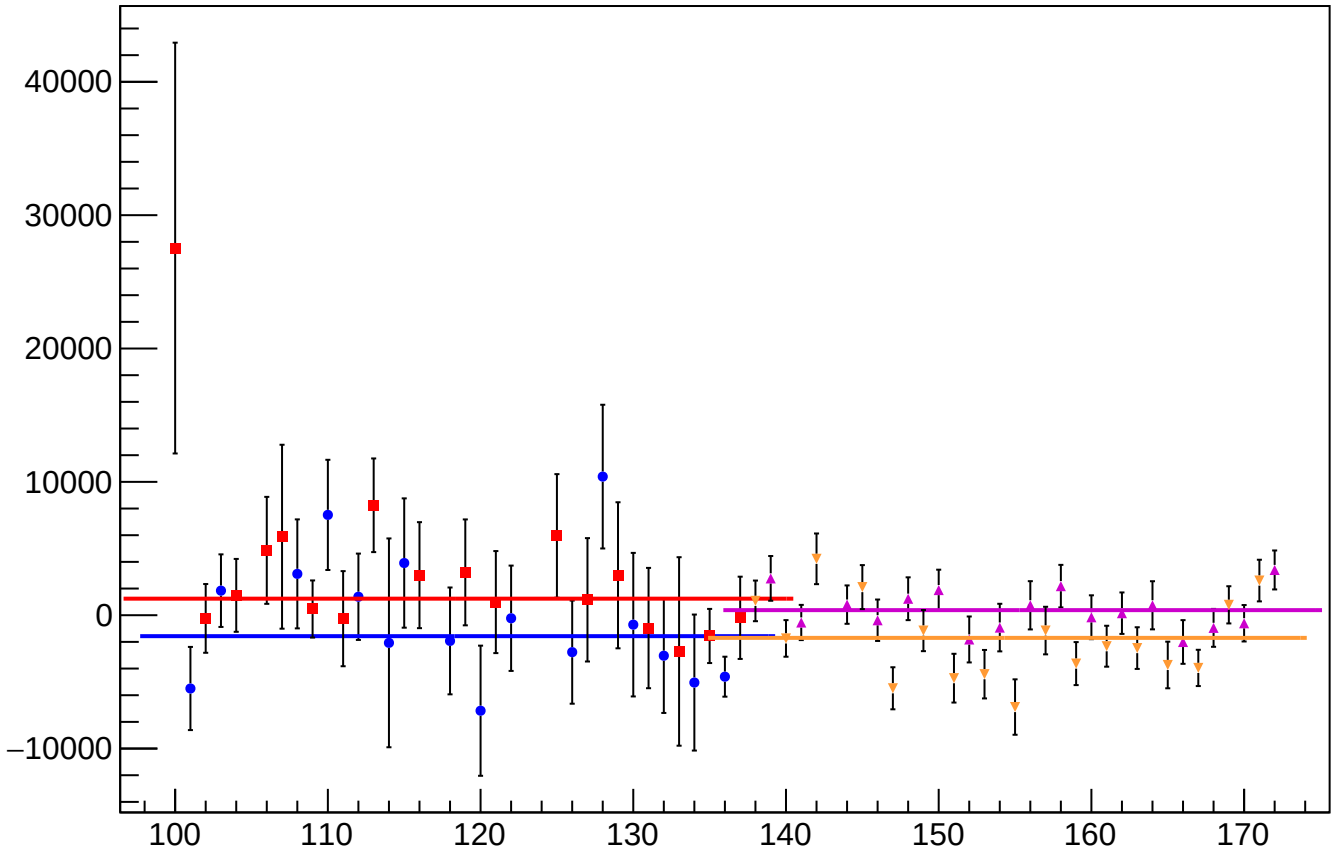
Left: 2180.158+/-0.294 χ^2/NDF: 68099.2/33

Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2163.125+/-0.333 χ^2/NDF:216203.2/32

Out: 2157.878+/-0.337 χ^2/NDF:204218.1/34

All: 2160.536+/-0.237 χ^2/NDF: 420544.0/67



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1699.868+/-389.661 χ^2/NDF:52.2/16

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 380.619+/-379.198 χ^2/NDF:15.5/16

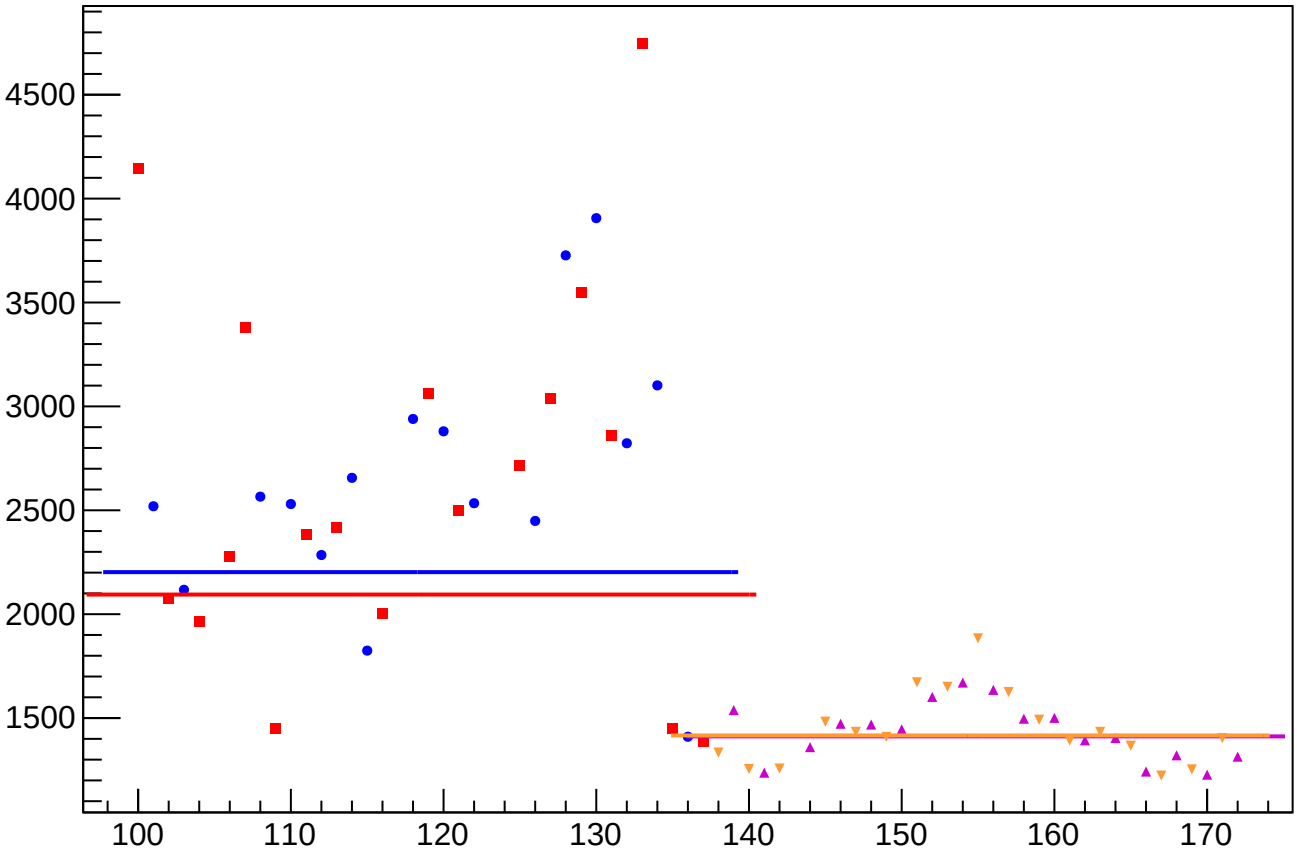
Left: -631.316+/-271.757 χ^2/NDF: 82.4/33

Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: 62.786+/-346.951 χ^2/NDF:42.4/32

Out: -1157.874+/-351.928 χ^2/NDF:75.8/34

All: -538.851+/-247.072 χ^2/NDF: 124.3/67



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1416.426+/-0.276 χ^2/NDF:326591.9/16

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1411.810+/-0.268 χ^2/NDF:239425.0/16

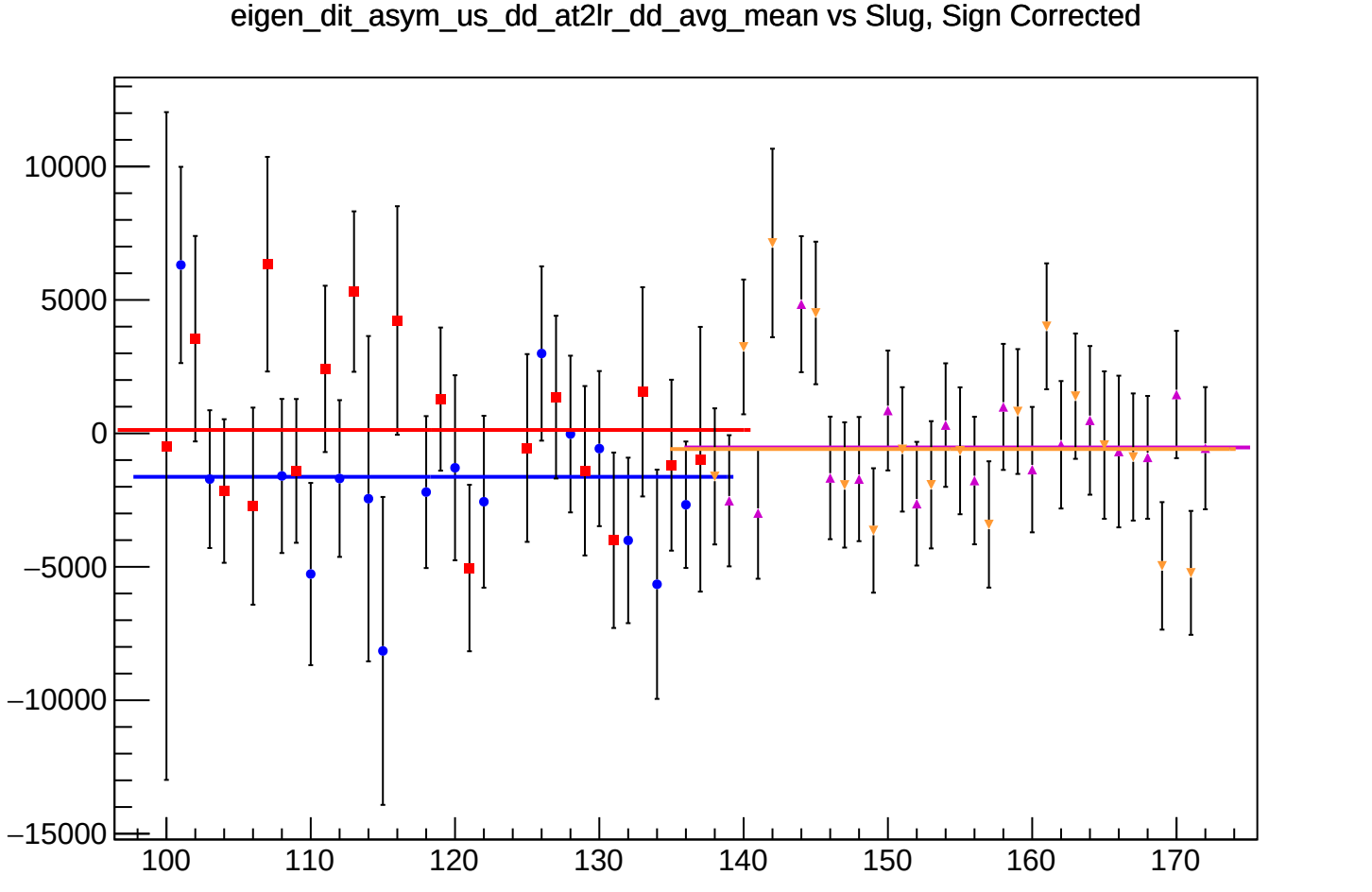
Left: 1414.055+/-0.192 χ^2/NDF: 566161.1/33

Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1540.554+/-0.245 χ^2/NDF:2878065.5/32

Out: 1541.383+/-0.249 χ^2/NDF:2816248.4/34

All: 1540.963+/-0.175 χ^2/NDF: 5694319.6/67


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
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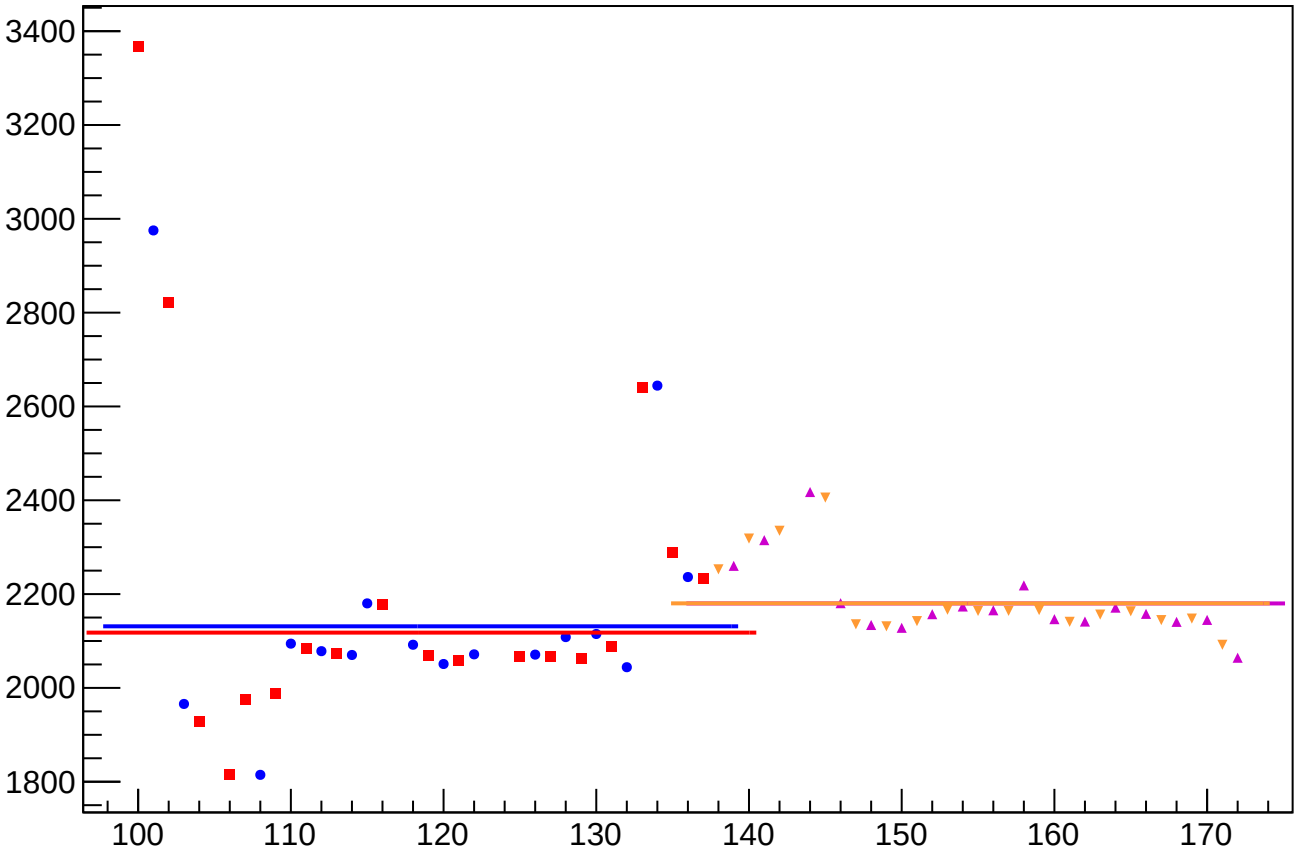
160
170
Right In: -1627.637+/-797.966 χ²/NDF: 11.3/15
Left Out: -586.953+/-595.105 χ²/NDF:26.9/16
Right Out: 128.093+/-795.899 χ²/NDF: 14.6/17
Left In: -526.694+/-582.300 χ²/NDF:9.6/16
Left: -556.168+/-416.202 χ²/NDF: 36.5/33
Right: -747.494+/-563.515 χ²/NDF: 28.3/33
In: -909.243+/-470.377 χ²/NDF:22.2/32
Out: -330.541+/-476.607 χ²/NDF:42.0/34
All: -623.699+/-334.787 χ²/NDF: 64.9/67



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2180.248+/-0.421 χ^2/NDF:32715.2/16

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: 2180.158+/-0.294 χ^2/NDF: 68099.6/33

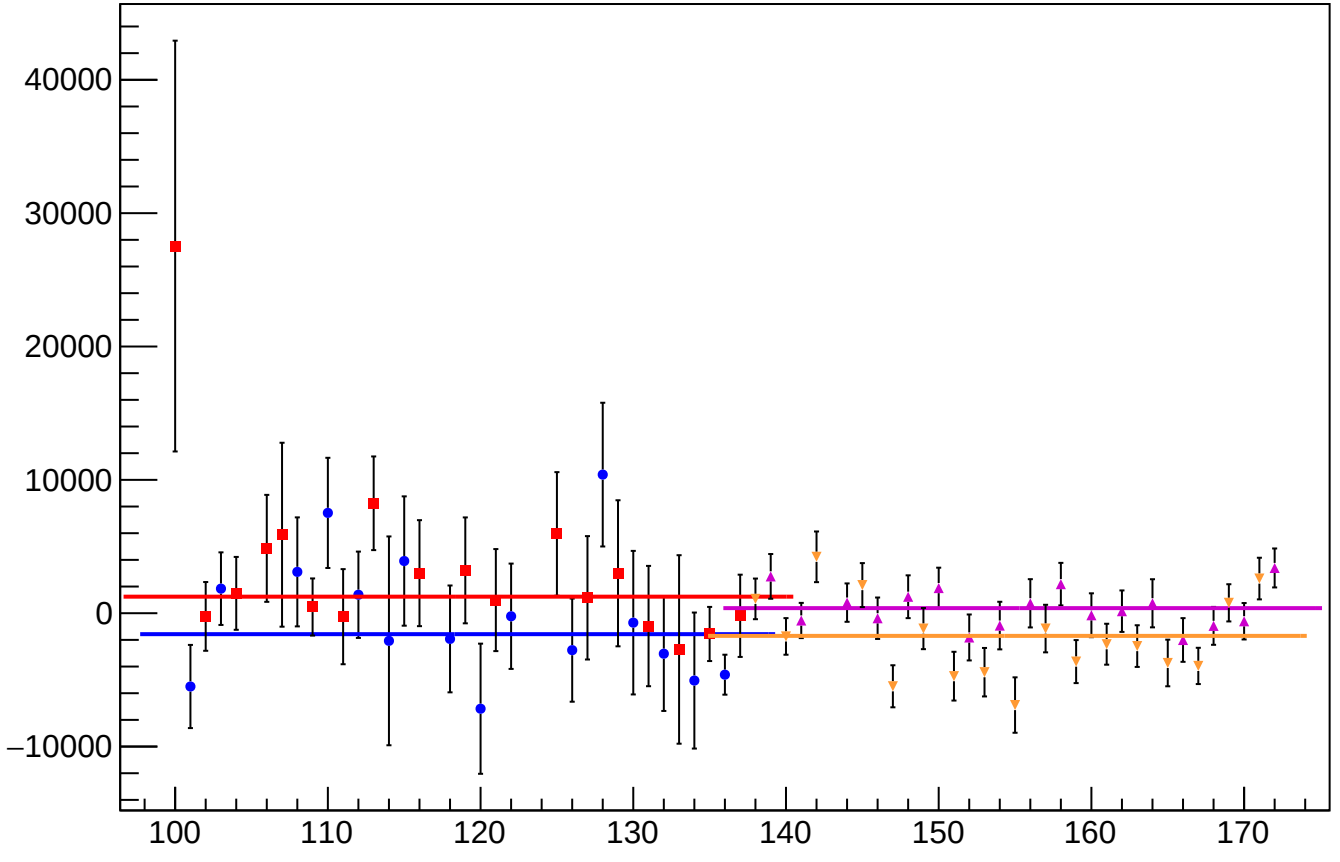
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2163.125+/-0.333 χ^2/NDF:216203.4/32

Out: 2157.878+/-0.337 χ^2/NDF:204218.1/34

All: 2160.536+/-0.237 χ^2/NDF: 420544.3/67

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: -1699.872+/-389.662 χ^2/NDF:52.2/16

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: -631.319+/-271.757 χ^2/NDF: 82.4/33

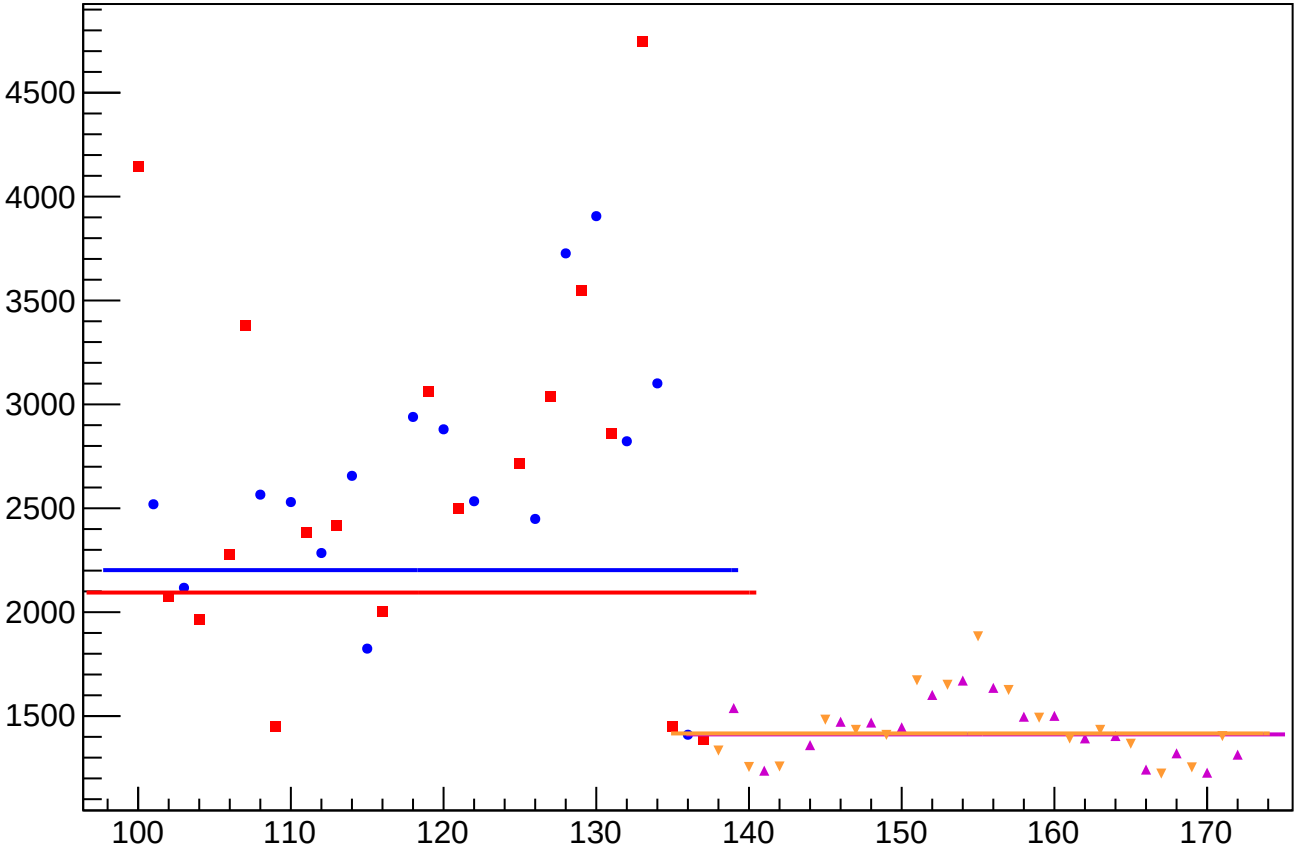
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: 62.787+/-346.951 χ^2/NDF:42.4/32

Out: -1157.878+/-351.928 χ^2/NDF:75.8/34

All: -538.852+/-247.072 χ^2/NDF: 124.3/67

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: 1416.427+/-0.276 χ^2/NDF:326586.3/16

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1411.809+/-0.268 χ^2/NDF:239431.2/16

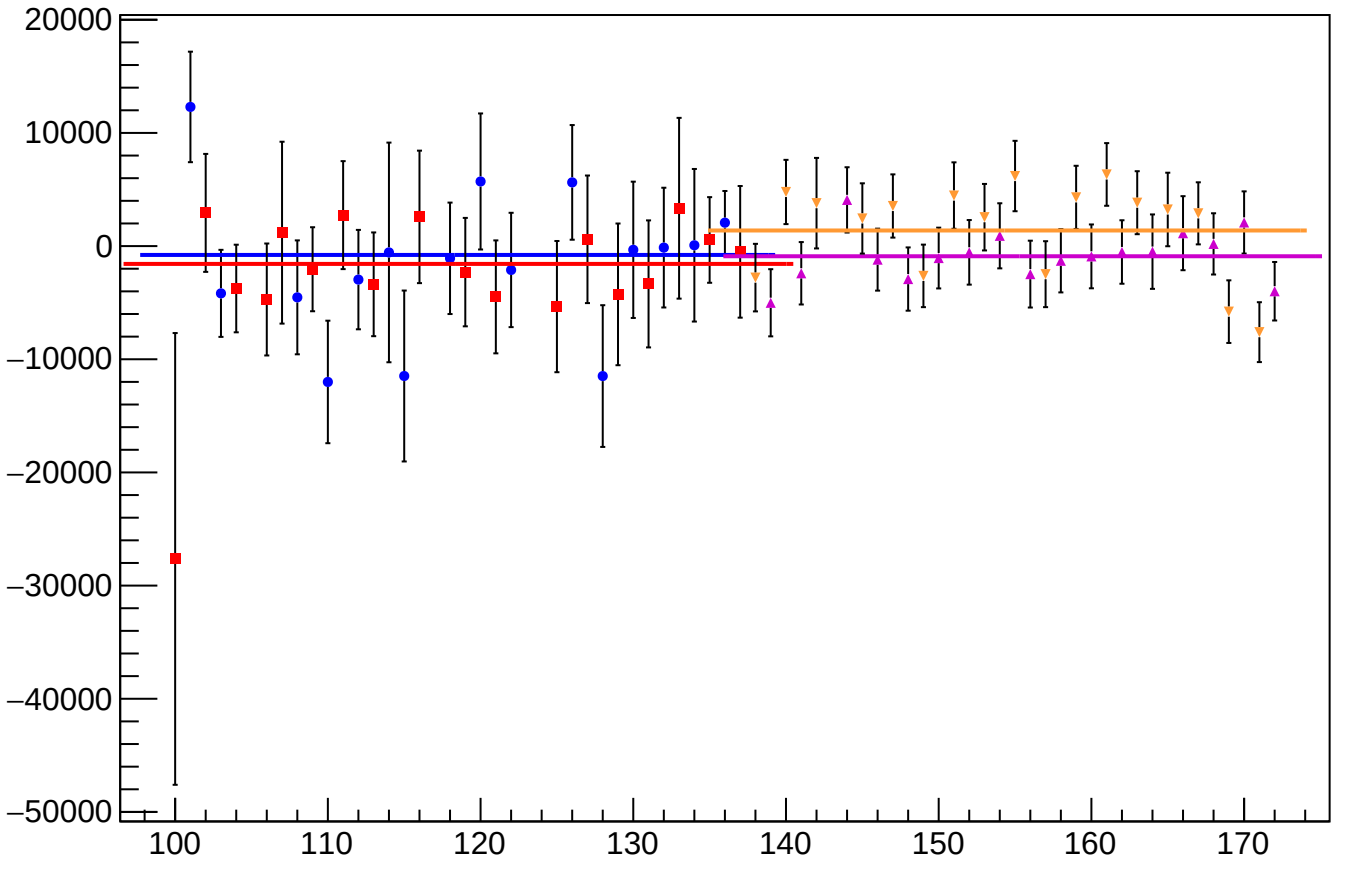
Left: 1414.055+/-0.192 χ^2/NDF: 566161.7/33

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1540.555+/-0.245 χ^2/NDF:2878052.2/32

Out: 1541.385+/-0.249 χ^2/NDF:2816226.1/34

All: 1540.964+/-0.175 χ^2/NDF: 5694283.9/67



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1379.411+/-706.438 χ^2/NDF:35.9/16

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -897.890+/-688.655 χ^2/NDF:9.6/16

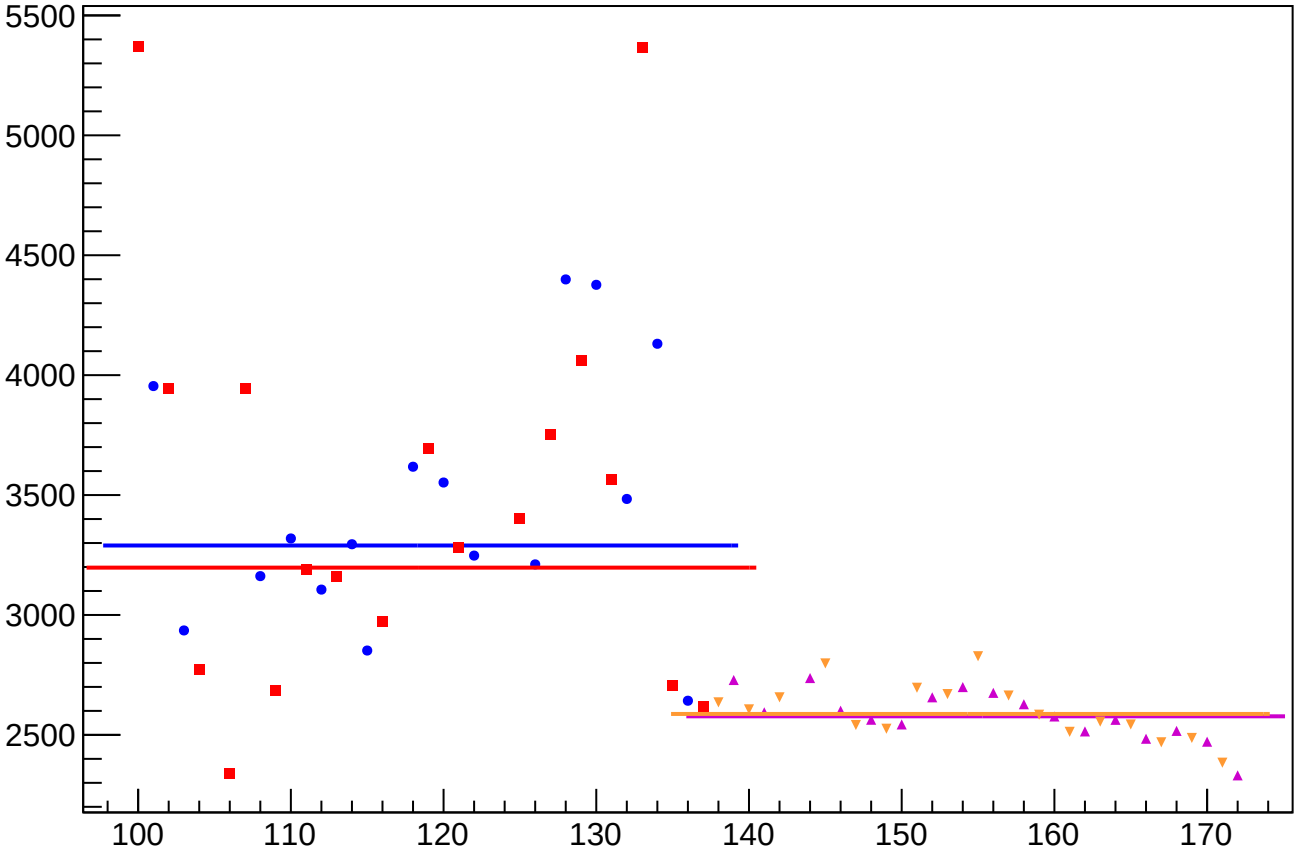
Left: 211.736+/-493.120 χ^2/NDF: 50.9/33

Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -870.540+/-602.237 χ^2/NDF:31.5/32

Out: 636.686+/-611.213 χ^2/NDF:47.1/34

All: -128.076+/-428.984 χ^2/NDF: 81.7/67



Right In: 3289.690+/-0.878 χ^2/NDF: 347594.0/15

Left Out: 2587.255+/-0.500 χ^2/NDF:49900.3/16

Right Out: 3197.375+/-0.862 χ^2/NDF: 499934.1/17

Left In: 2577.410+/-0.487 χ^2/NDF:44689.7/16

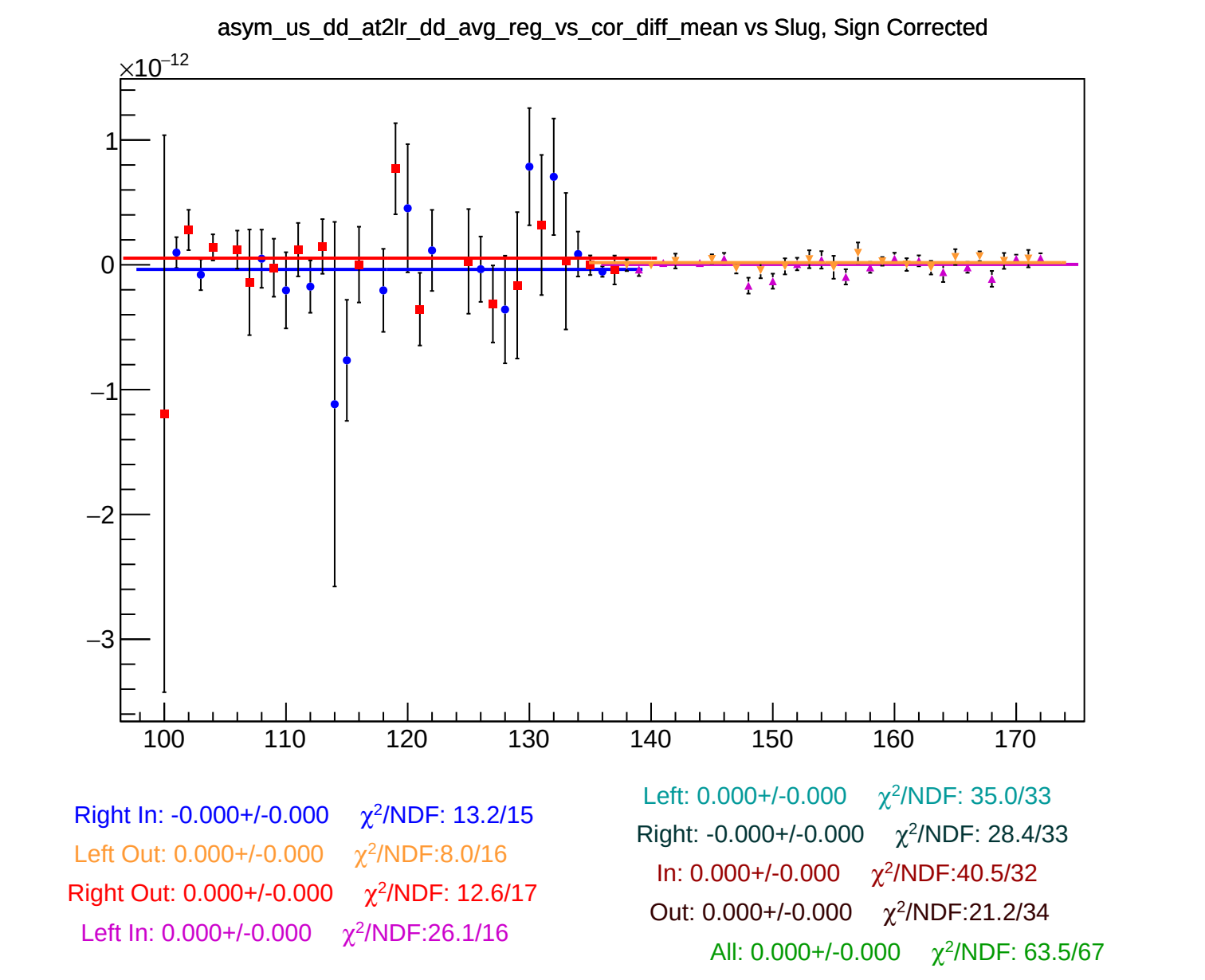
Left: 2582.207+/-0.349 χ^2/NDF: 94789.2/33

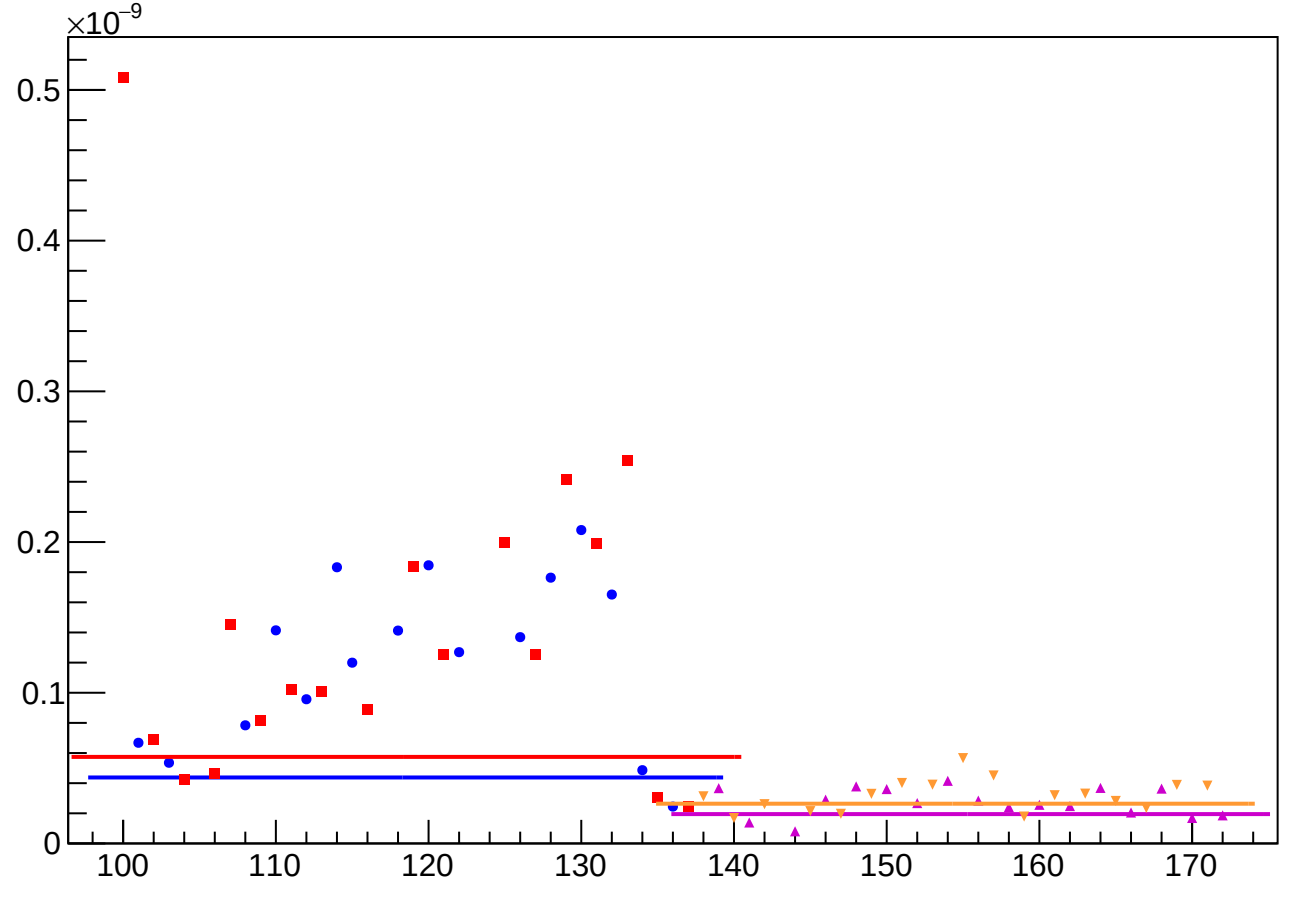
Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2744.960+/-0.426 χ^2/NDF:895577.5/32

Out: 2740.657+/-0.432 χ^2/NDF:924917.0/34

All: 2742.840+/-0.303 χ^2/NDF: 1820544.8/67


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 13.2/15
Left Out: 0.000+/-0.000 χ²/NDF:8.0/16
Right Out: 0.000+/-0.000 χ²/NDF: 12.6/17
Left In: 0.000+/-0.000 χ²/NDF:26.1/16
Left: 0.000+/-0.000 χ²/NDF: 35.0/33
Right: -0.000+/-0.000 χ²/NDF: 28.4/33
In: 0.000+/-0.000 χ²/NDF:40.5/32
Out: 0.000+/-0.000 χ²/NDF:21.2/34
All: 0.000+/-0.000 χ²/NDF: 63.5/67



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1111713.2/16

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: 3616289.2/33

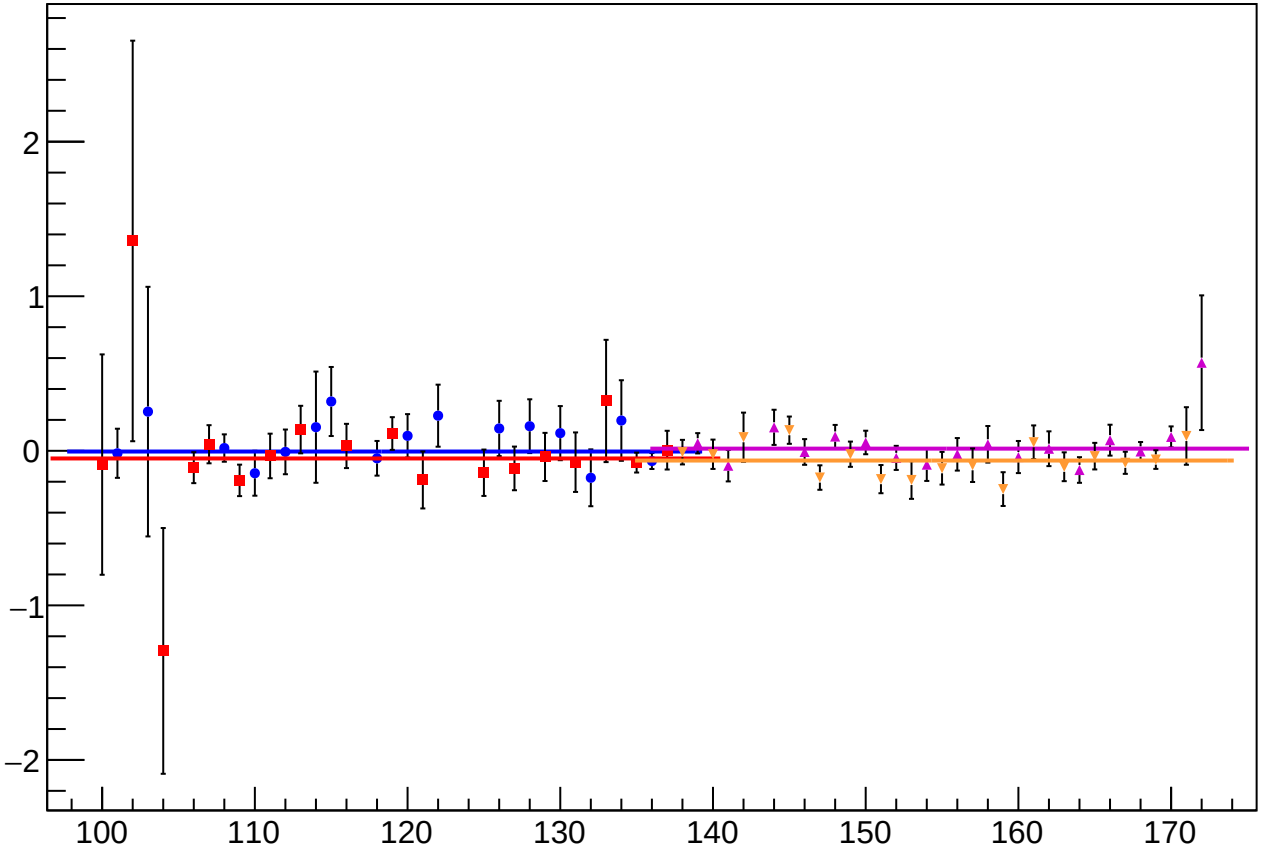
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:5261494.0/32

Out: 0.000+/-0.000 χ^2/NDF:4151827.2/34

All: 0.000+/-0.000 χ^2/NDF: 9887040.5/67

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: -0.063+/-0.022 χ^2/NDF:16.9/16

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: -0.023+/-0.015 χ^2/NDF: 35.6/33

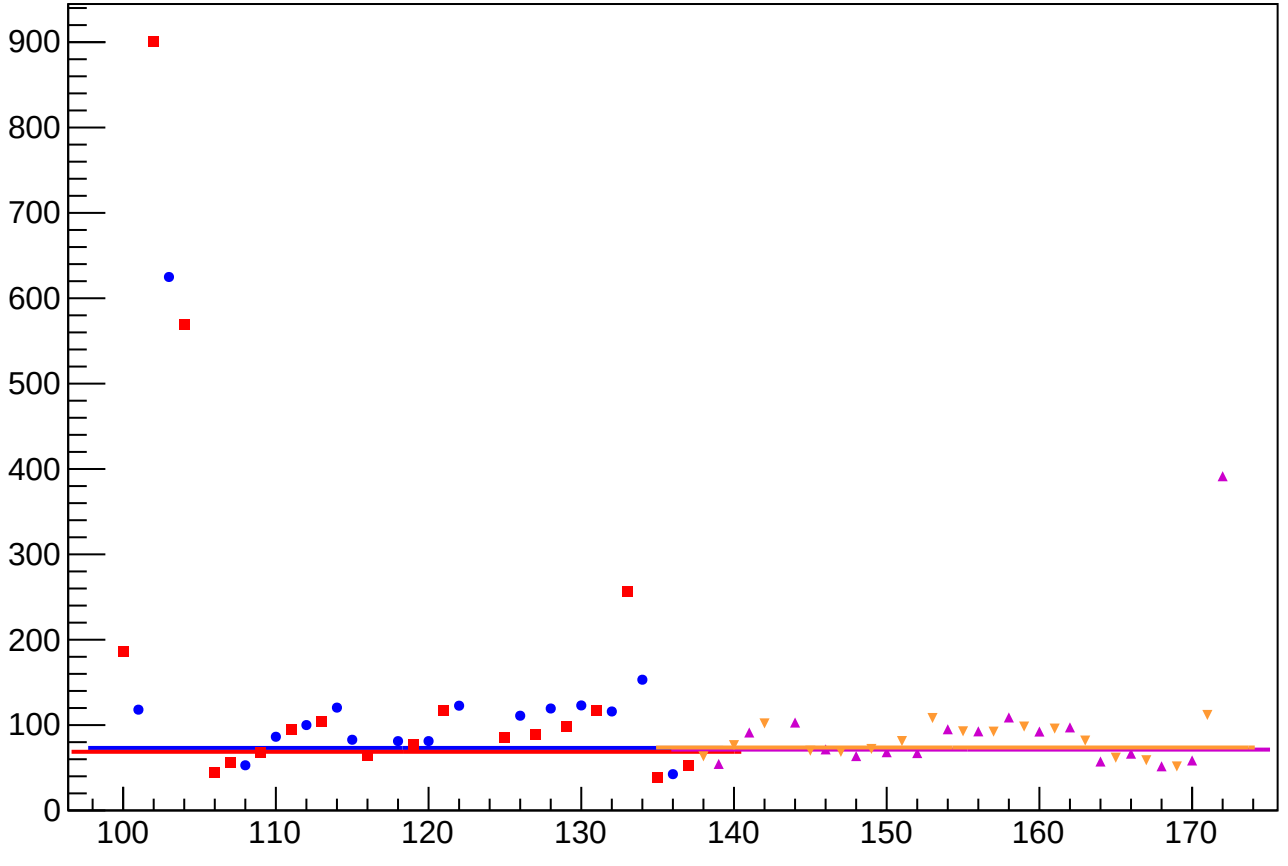
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:23.0/32

Out: -0.059+/-0.018 χ^2/NDF:30.1/34

All: -0.024+/-0.013 χ^2/NDF: 60.0/67

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: 73.740+/-0.016 χ^2/NDF:1087528.8/16

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: 72.452+/-0.011 χ^2/NDF: 3487085.9/33

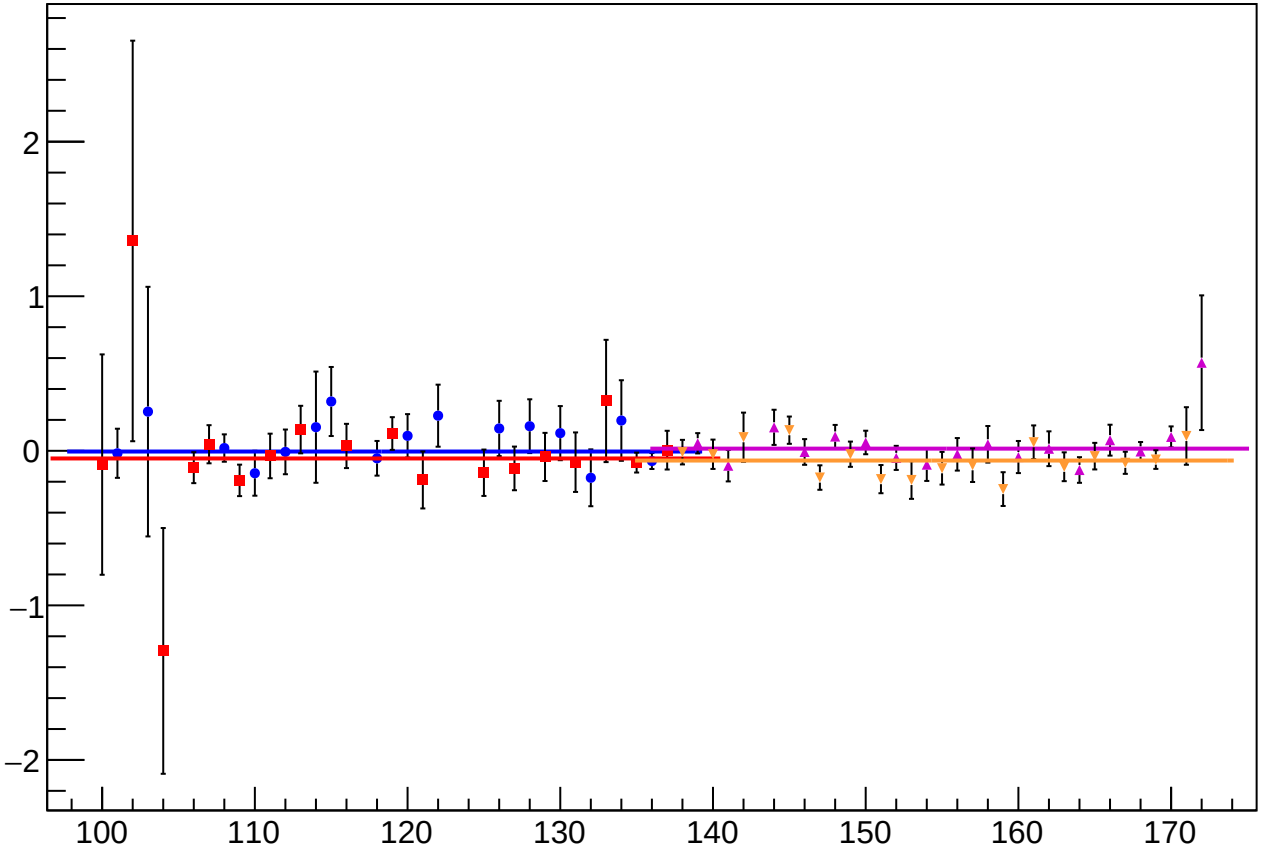
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 71.869+/-0.013 χ^2/NDF:5246442.4/32

Out: 72.086+/-0.013 χ^2/NDF:4452919.2/34

All: 71.974+/-0.009 χ^2/NDF: 9699507.3/67

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: -0.063+/-0.022 χ^2/NDF:16.9/16

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: -0.023+/-0.015 χ^2/NDF: 35.6/33

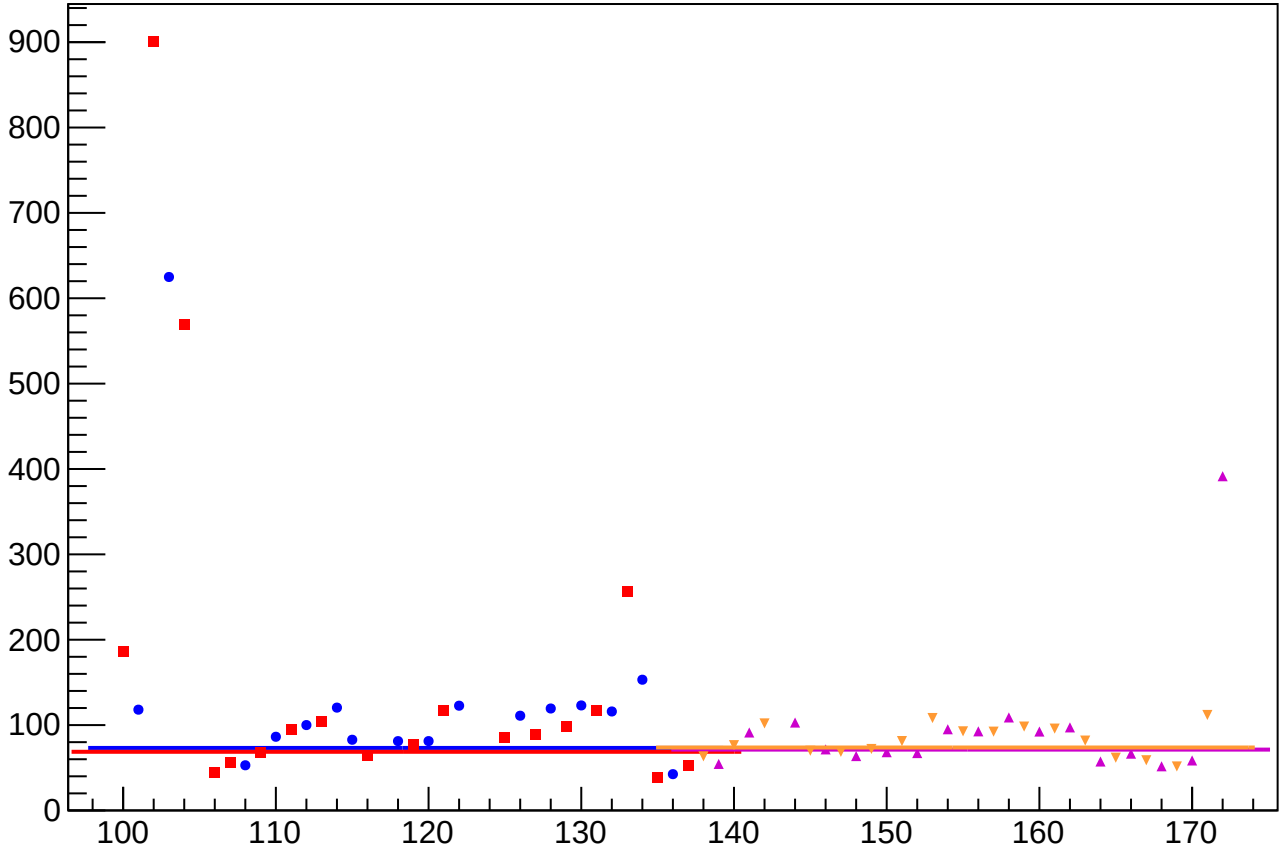
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:23.0/32

Out: -0.059+/-0.018 χ^2/NDF:30.1/34

All: -0.024+/-0.013 χ^2/NDF: 60.0/67

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: 73.740+/-0.016 χ^2/NDF:1087528.8/16

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 71.278+/-0.015 χ^2/NDF:2386695.3/16

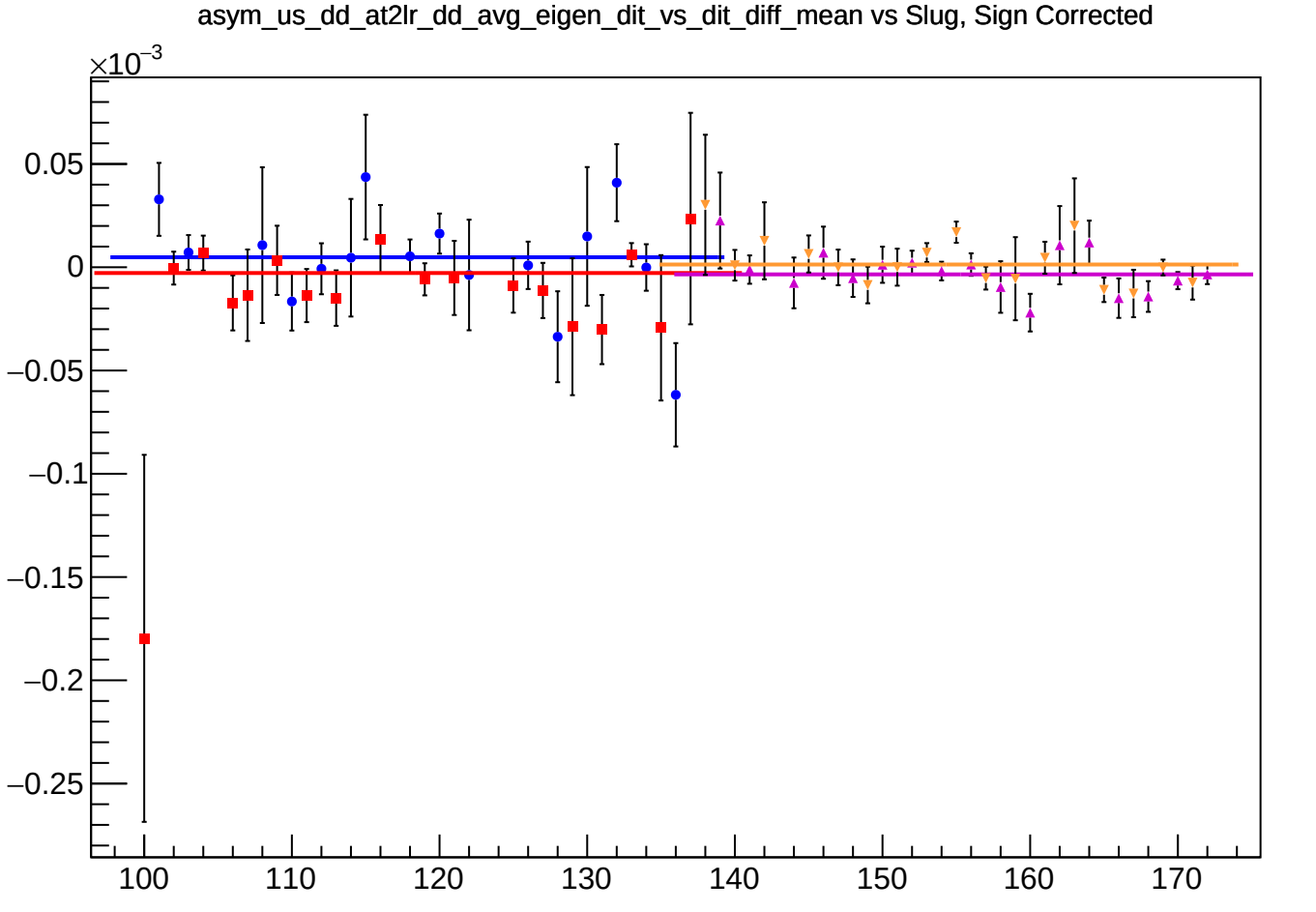
Left: 72.452+/-0.011 χ^2/NDF: 3487085.9/33

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 71.869+/-0.013 χ^2/NDF:5246442.4/32

Out: 72.086+/-0.013 χ^2/NDF:4452919.2/34

All: 71.974+/-0.009 χ^2/NDF: 9699507.3/67



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/16

Right Out: -0.000+/-0.000 χ^2/NDF: 16.8/17

Left In: -0.000+/-0.000 χ^2/NDF:15.4/16

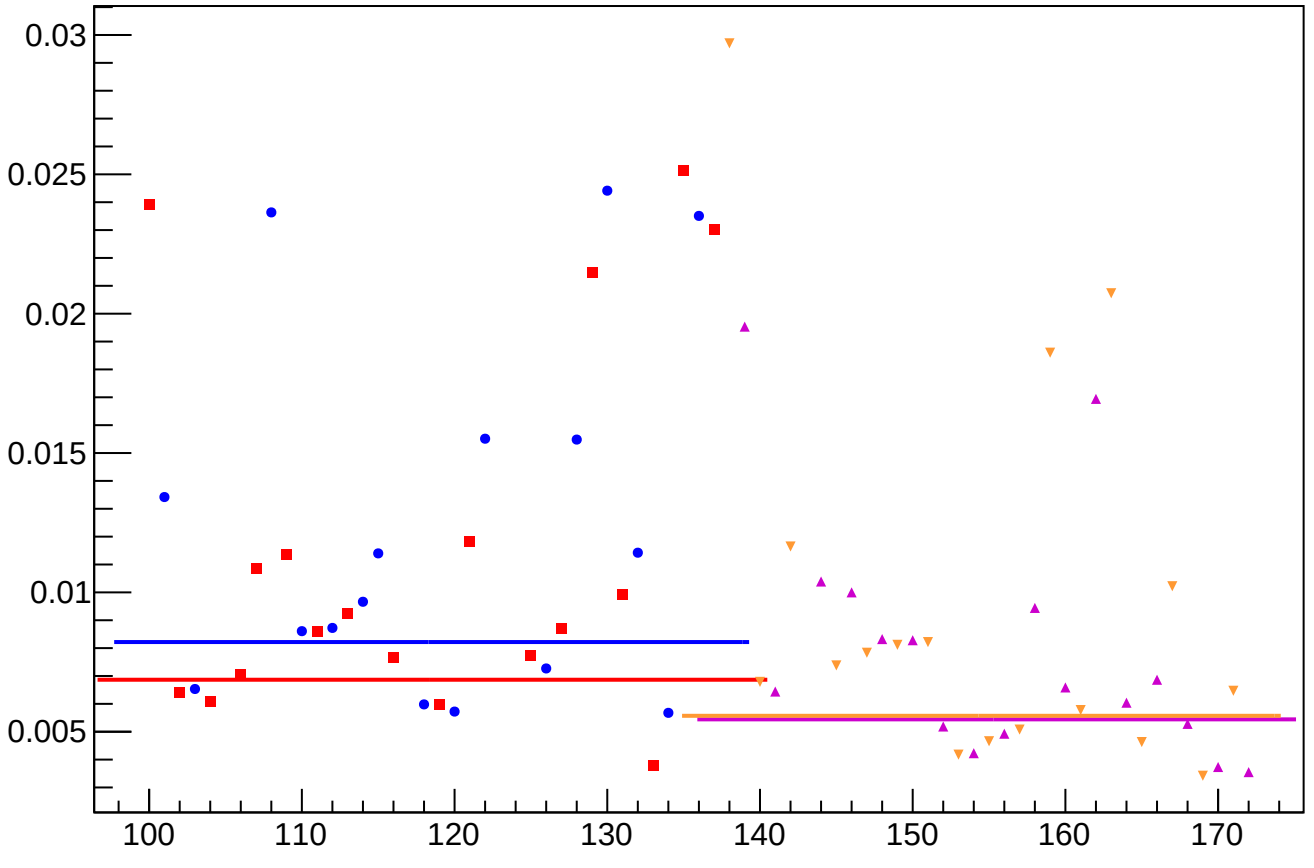
Left: -0.000+/-0.000 χ^2/NDF: 42.2/33

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:41.3/34

All: -0.000+/-0.000 χ^2/NDF: 84.7/67



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.006+/-0.000 χ^2/NDF:4853374.6/16

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: 0.006+/-0.000 χ^2/NDF: 8490889.9/33

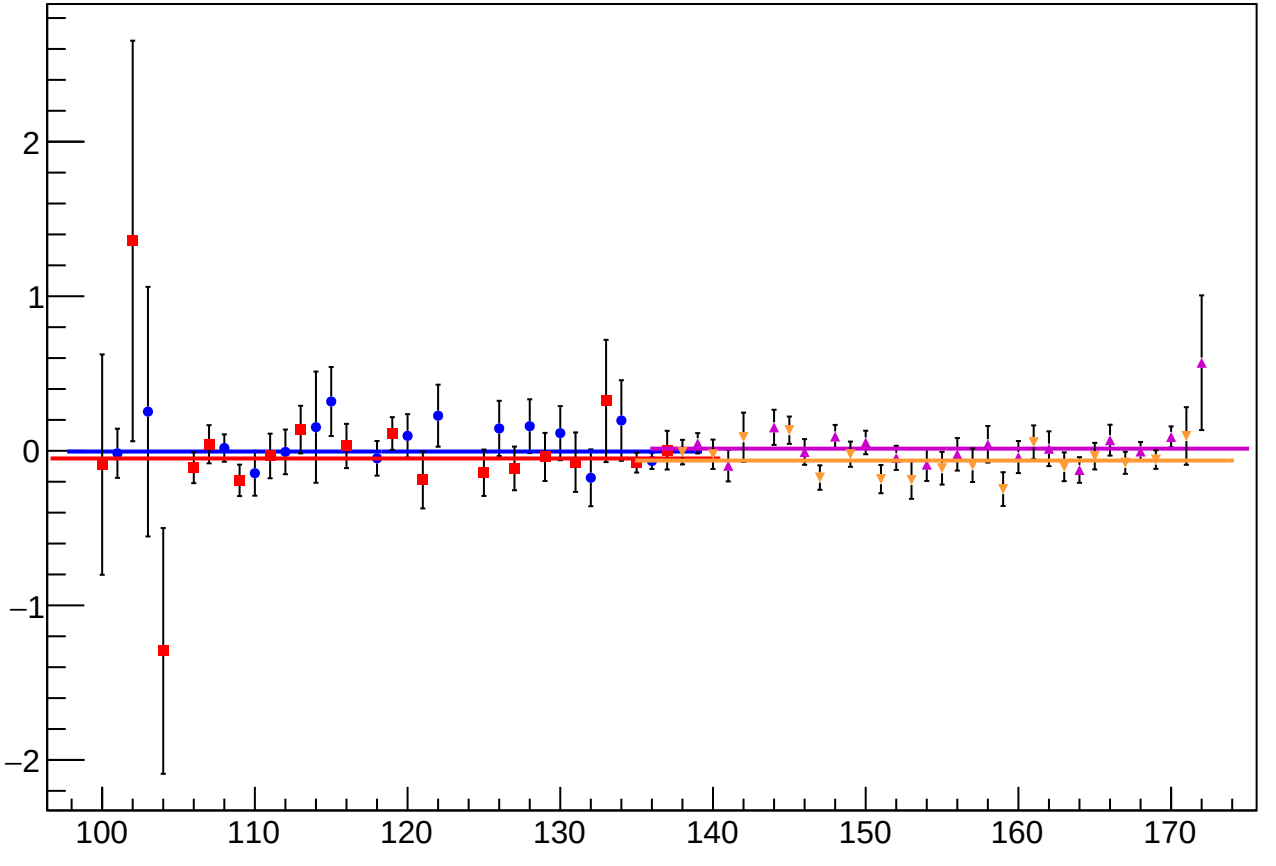
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.006+/-0.000 χ^2/NDF:7303286.5/32

Out: 0.006+/-0.000 χ^2/NDF:7582651.6/34

All: 0.006+/-0.000 χ^2/NDF: 14887638.7/67

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: -0.063+/-0.022 χ^2/NDF:16.9/16

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: -0.023+/-0.015 χ^2/NDF: 35.6/33

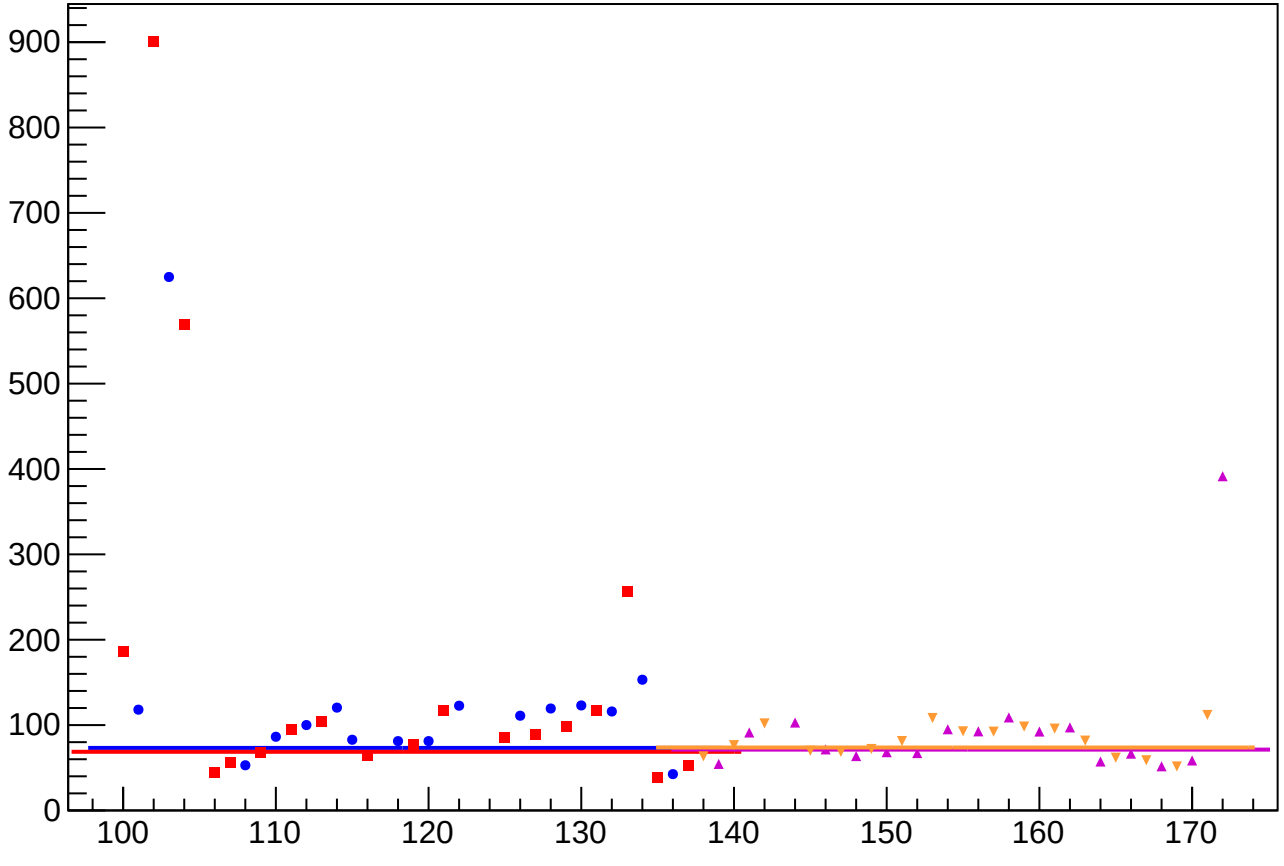
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:23.0/32

Out: -0.059+/-0.018 χ^2/NDF:30.1/34

All: -0.024+/-0.013 χ^2/NDF: 60.0/67

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: 73.740+/-0.016 χ^2/NDF:1087441.2/16

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: 72.452+/-0.011 χ^2/NDF: 3486728.2/33

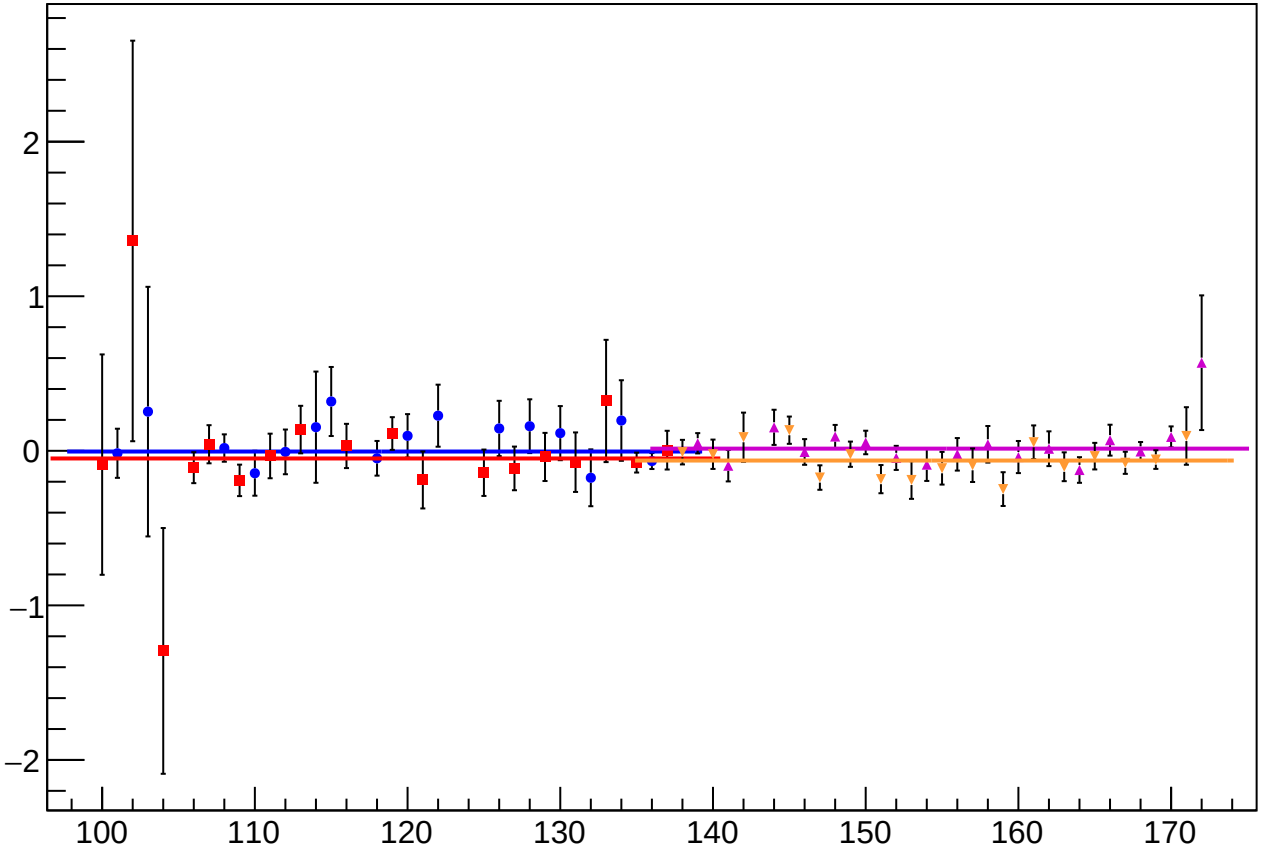
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 71.877+/-0.013 χ^2/NDF:5244018.2/32

Out: 72.082+/-0.013 χ^2/NDF:4453982.6/34

All: 71.977+/-0.009 χ^2/NDF: 9698130.5/67

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: -0.063+/-0.022 χ^2/NDF:16.9/16

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: -0.023+/-0.015 χ^2/NDF: 35.6/33

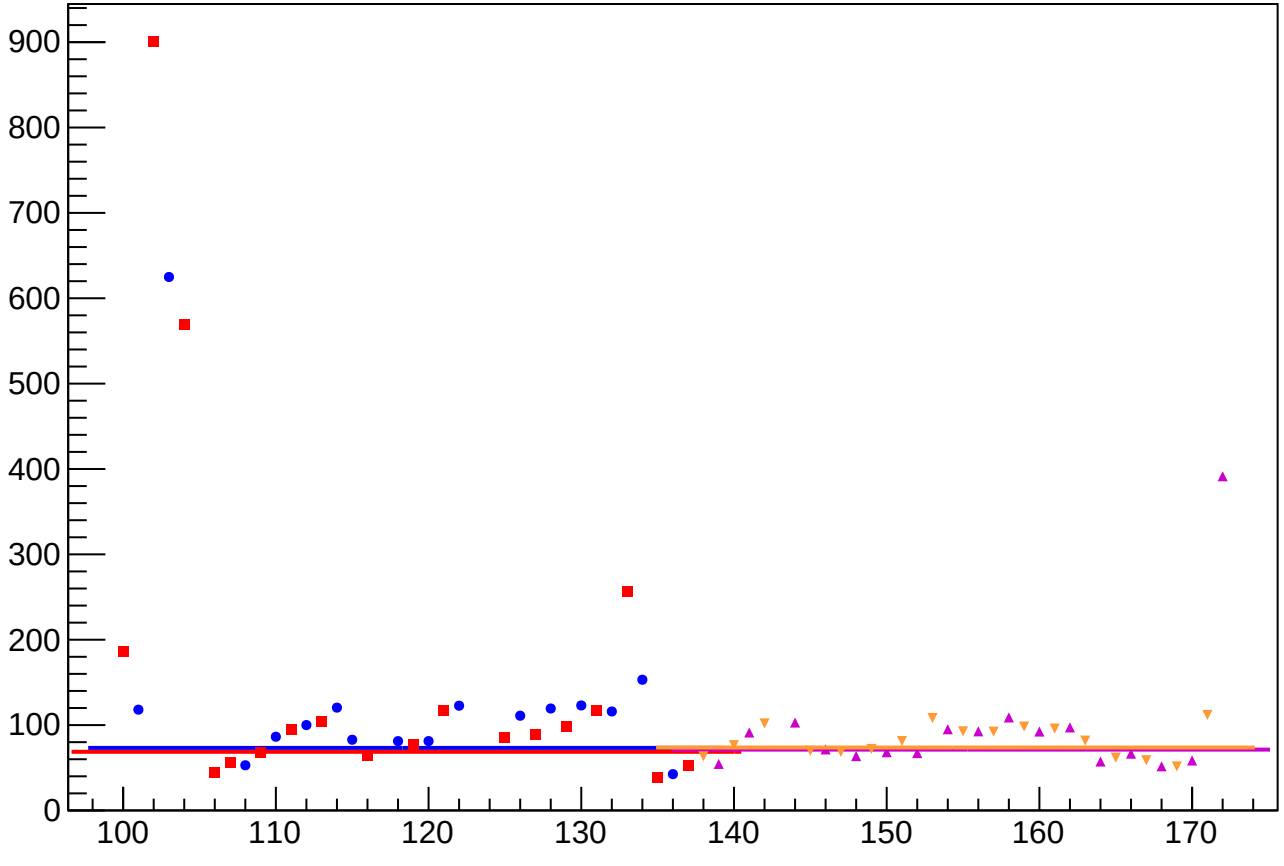
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:23.0/32

Out: -0.059+/-0.018 χ^2/NDF:30.1/34

All: -0.024+/-0.013 χ^2/NDF: 60.0/67

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: 73.740+/-0.016 χ^2/NDF:1087441.2/16

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: 72.452+/-0.011 χ^2/NDF: 3486728.2/33

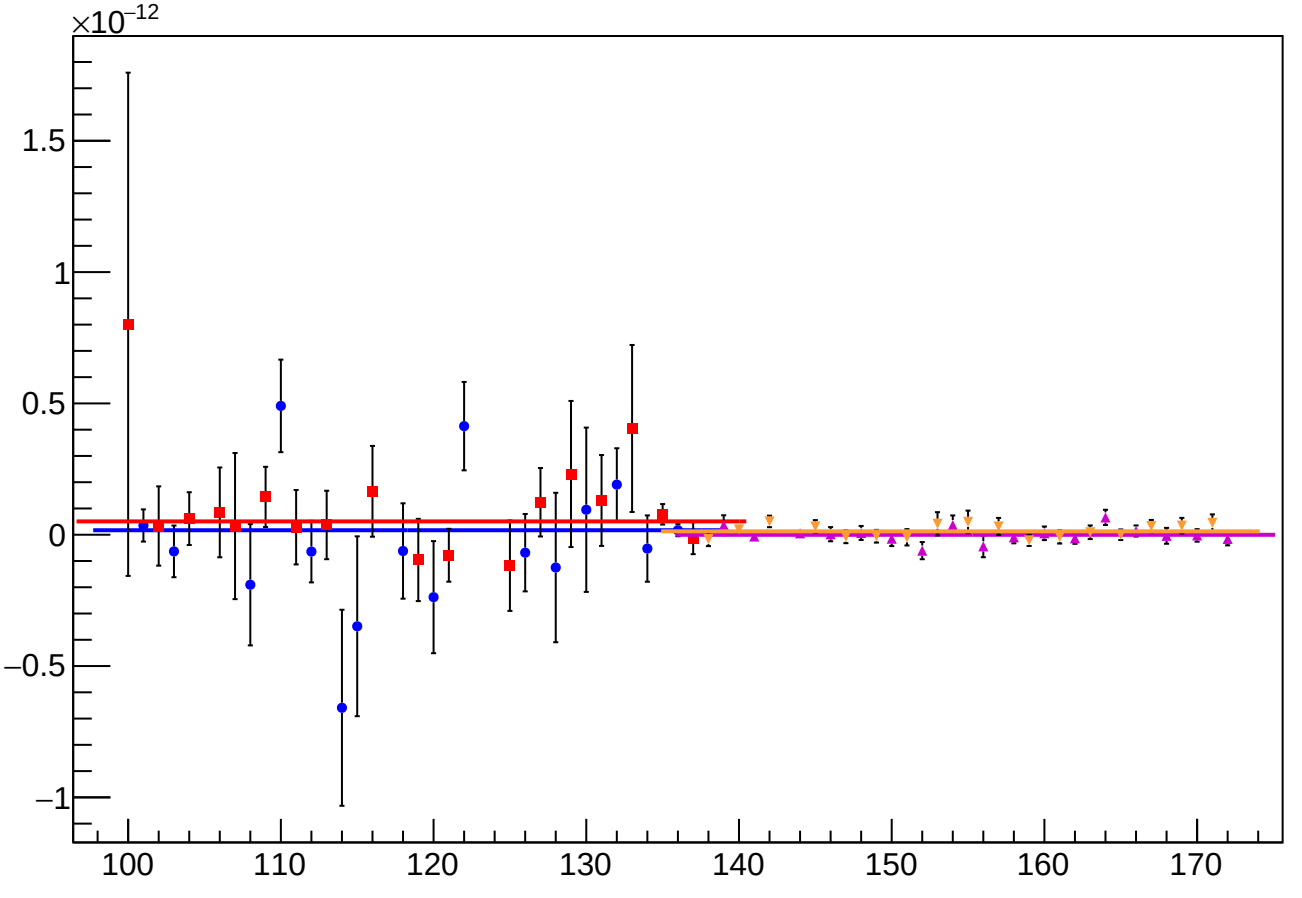
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 71.877+/-0.013 χ^2/NDF:5244018.2/32

Out: 72.082+/-0.013 χ^2/NDF:4453982.6/34

All: 71.977+/-0.009 χ^2/NDF: 9698130.5/67

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:14.2/16

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

Left In: -0.000+/-0.000 χ^2/NDF:13.8/16

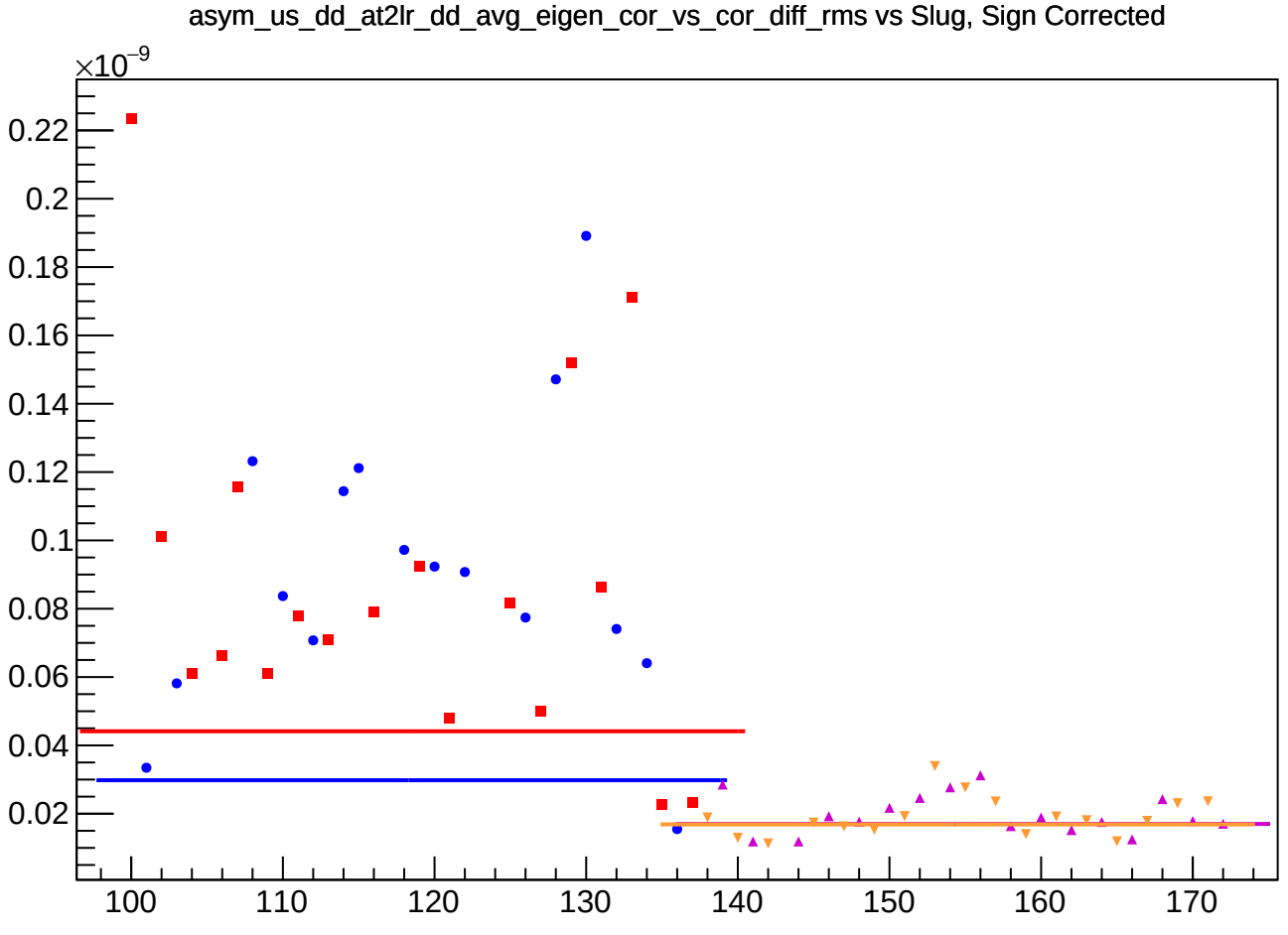
Left: 0.000+/-0.000 χ^2/NDF: 30.3/33

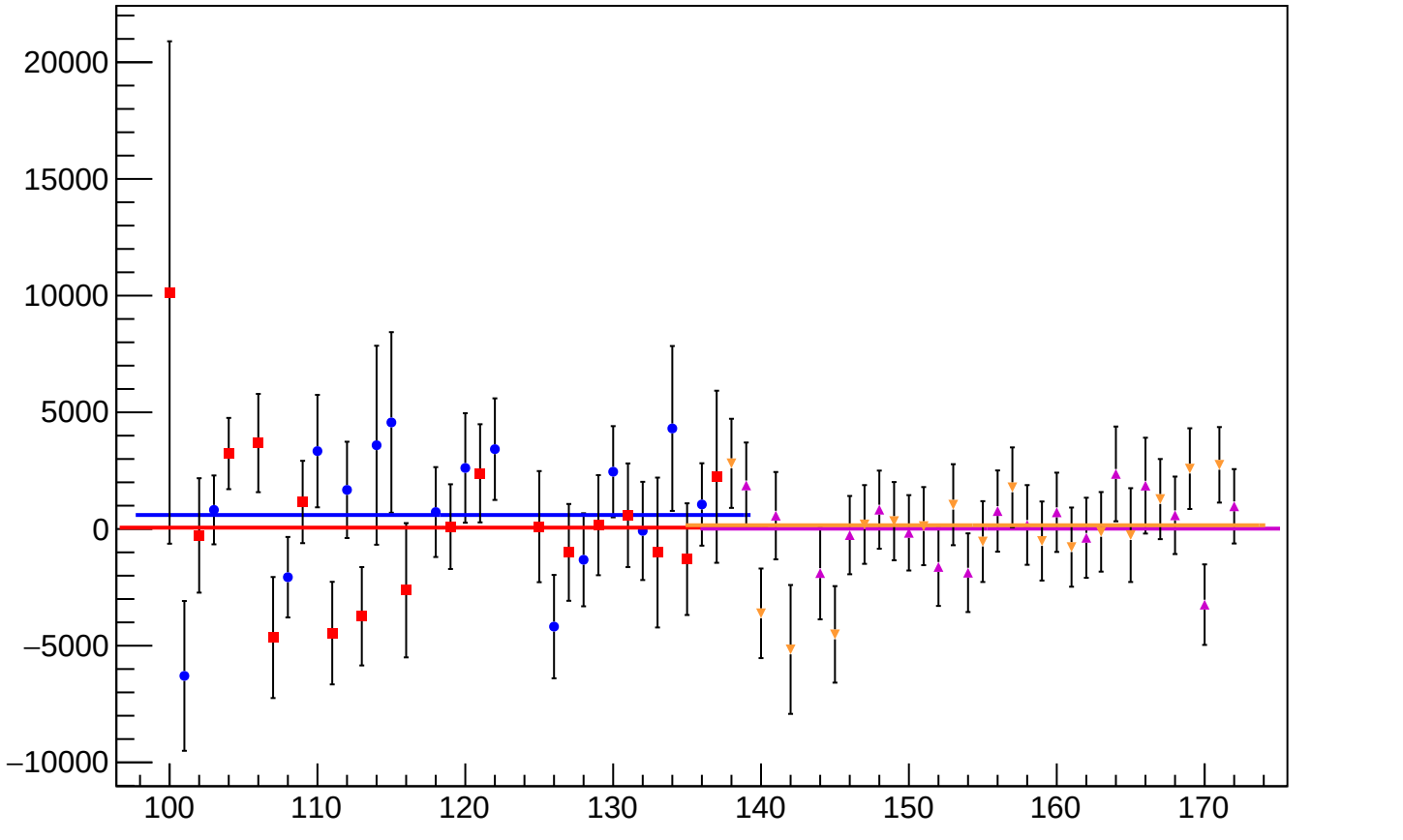
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:37.9/32

Out: 0.000+/-0.000 χ^2/NDF:25.4/34

All: 0.000+/-0.000 χ^2/NDF: 66.2/67


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:1140094.0/16
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: 2545486.4/33
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:6196134.8/34
All: 0.000+/-0.000 χ²/NDF: 12481989.0/67



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: 161.808+/-433.368 χ^2/NDF:21.4/16

Right Out: 59.091+/-530.206 χ^2/NDF: 22.5/17

Left In: 16.657+/-423.609 χ^2/NDF:11.1/16

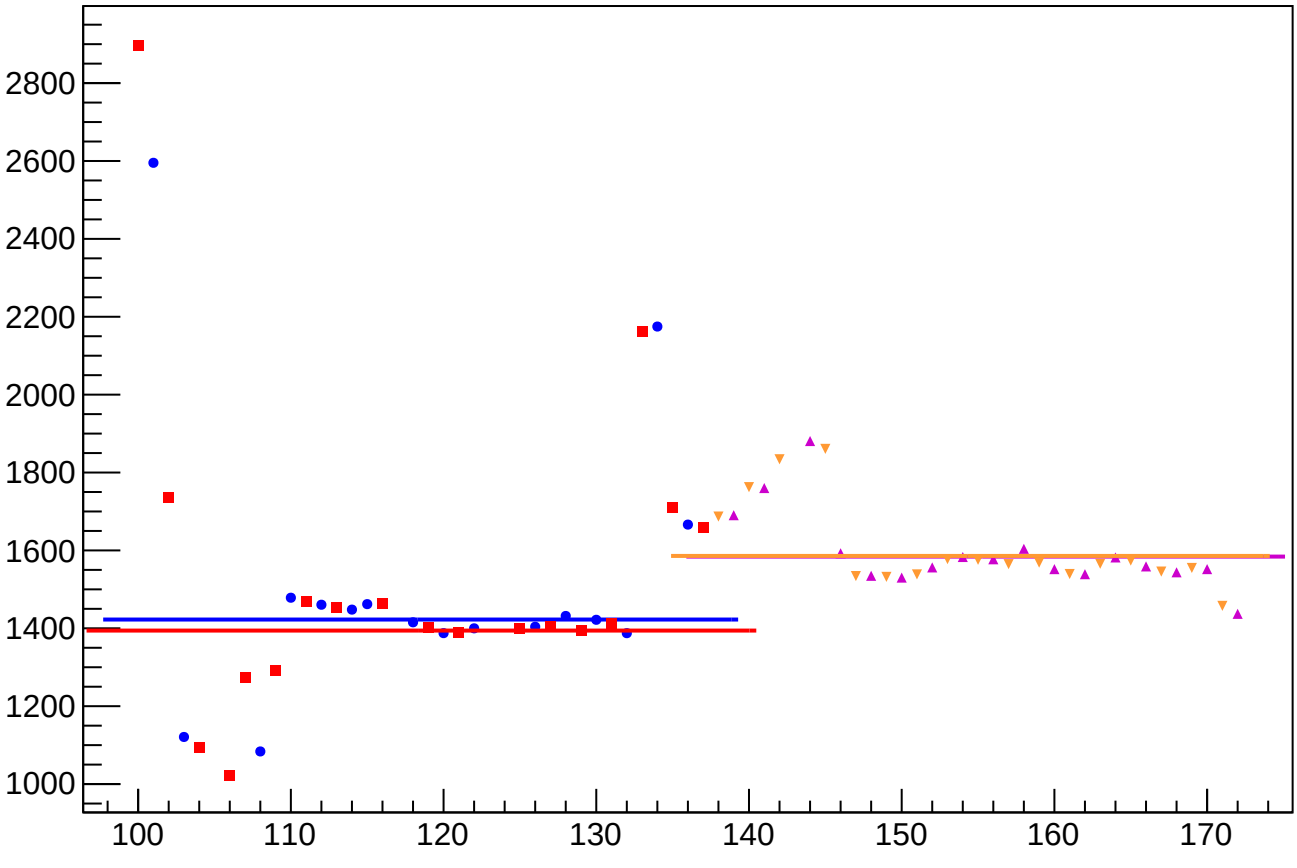
Left: 87.579+/-302.928 χ^2/NDF: 32.6/33

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 238.910+/-333.307 χ^2/NDF:32.2/32

Out: 120.669+/-335.544 χ^2/NDF:44.0/34

All: 180.185+/-236.470 χ^2/NDF: 76.2/67



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1585.859+/-0.306 χ^2/NDF:96338.7/16

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1584.159+/-0.300 χ^2/NDF:95355.2/16

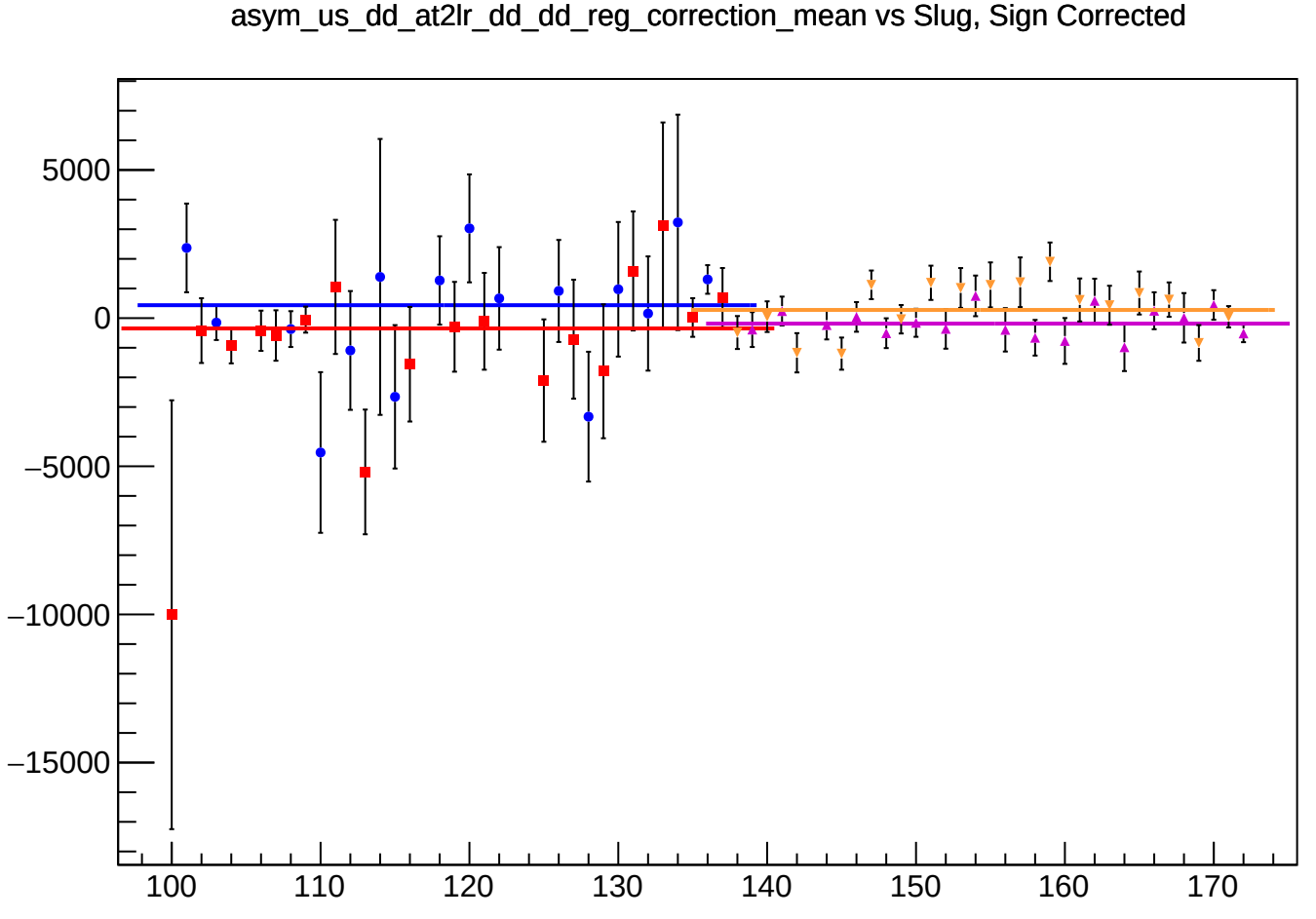
Left: 1584.990+/-0.214 χ^2/NDF: 191709.7/33

Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1522.588+/-0.236 χ^2/NDF:766541.8/32

Out: 1509.086+/-0.237 χ^2/NDF:646722.4/34

All: 1515.882+/-0.167 χ^2/NDF: 1414894.2/67



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 275.835+/-139.322 χ^2/NDF:35.3/16

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: 32.908+/-95.915 χ^2/NDF: 51.2/33

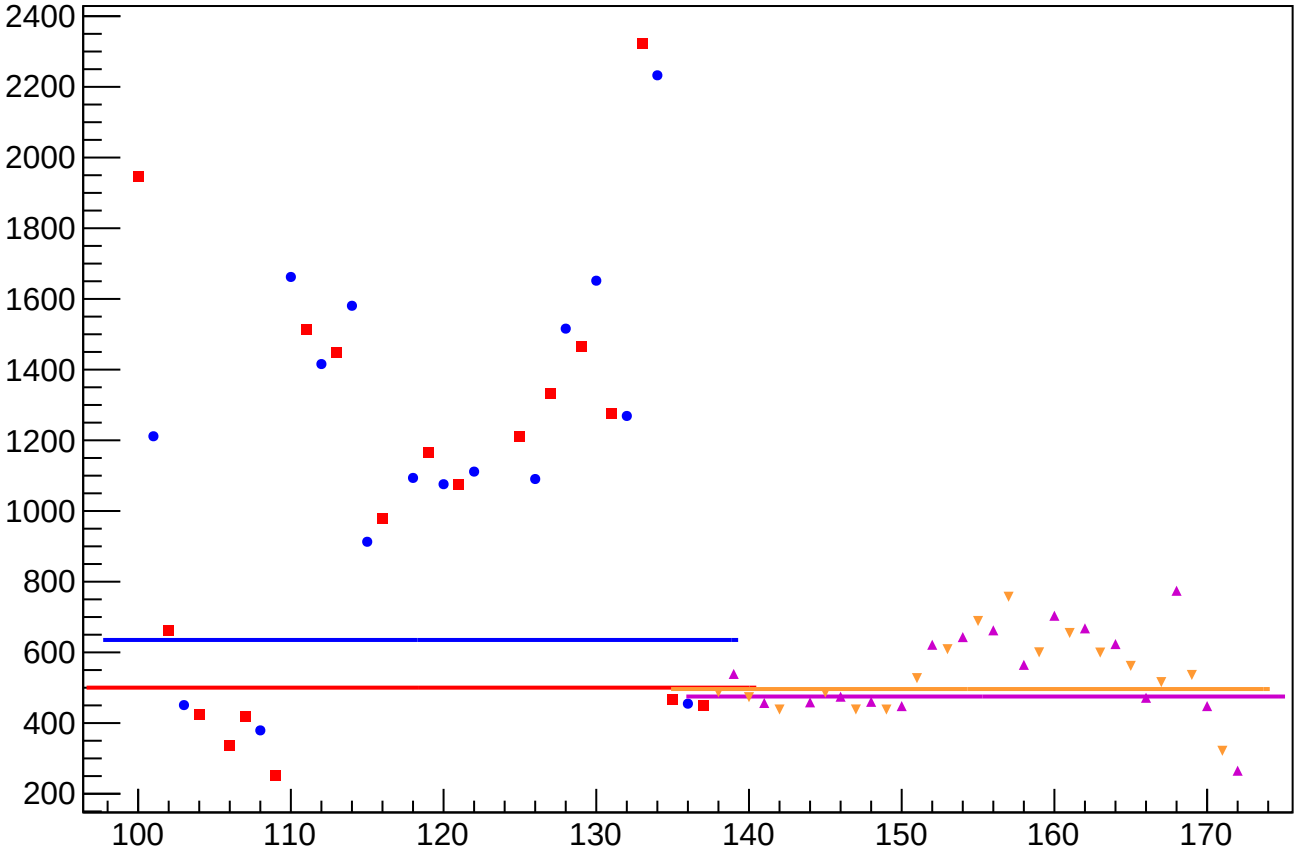
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: -69.678+/-119.252 χ^2/NDF:33.6/32

Out: 112.154+/-119.676 χ^2/NDF:54.5/34

All: 20.915+/-84.474 χ^2/NDF: 89.3/67

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: 496.313+/-0.099 χ^2/NDF:1155356.8/16

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 475.121+/-0.094 χ^2/NDF:2075823.6/16

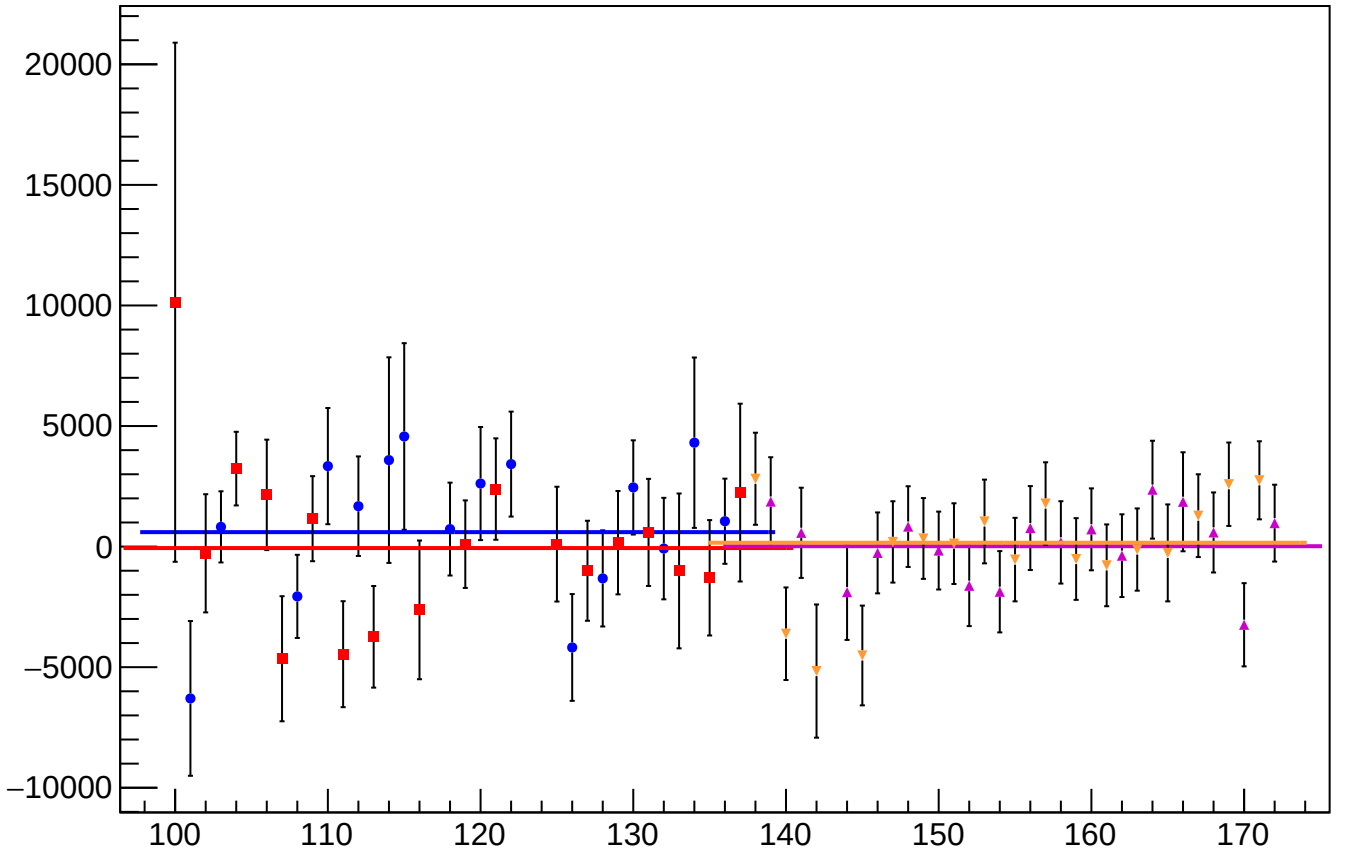
Left: 485.165+/-0.068 χ^2/NDF: 3255524.3/33

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 505.011+/-0.084 χ^2/NDF:6375407.8/32

Out: 497.340+/-0.085 χ^2/NDF:5464864.5/34

All: 501.190+/-0.060 χ^2/NDF: 11844395.4/67



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 161.711+/-433.368 χ^2/NDF:21.4/16

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: 16.625+/-423.609 χ^2/NDF:11.1/16

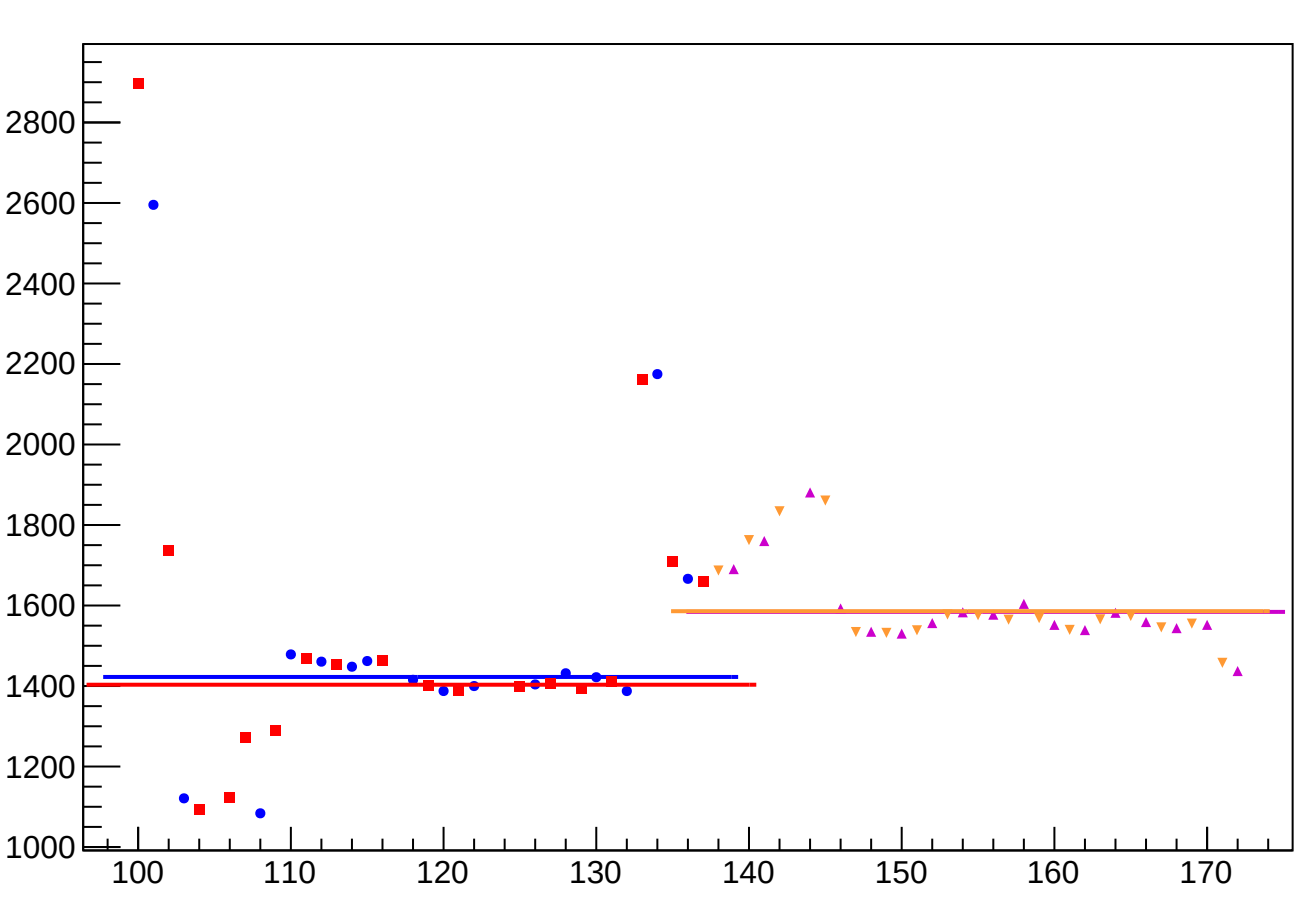
Left: 87.516+/-302.928 χ^2/NDF: 32.6/33

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 238.842+/-333.307 χ^2/NDF:32.2/32

Out: 73.295+/-336.205 χ^2/NDF:41.9/34

All: 156.785+/-236.701 χ^2/NDF: 74.2/67



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1585.859+/-0.306 χ^2/NDF:96338.7/16

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1584.159+/-0.300 χ^2/NDF:95355.2/16

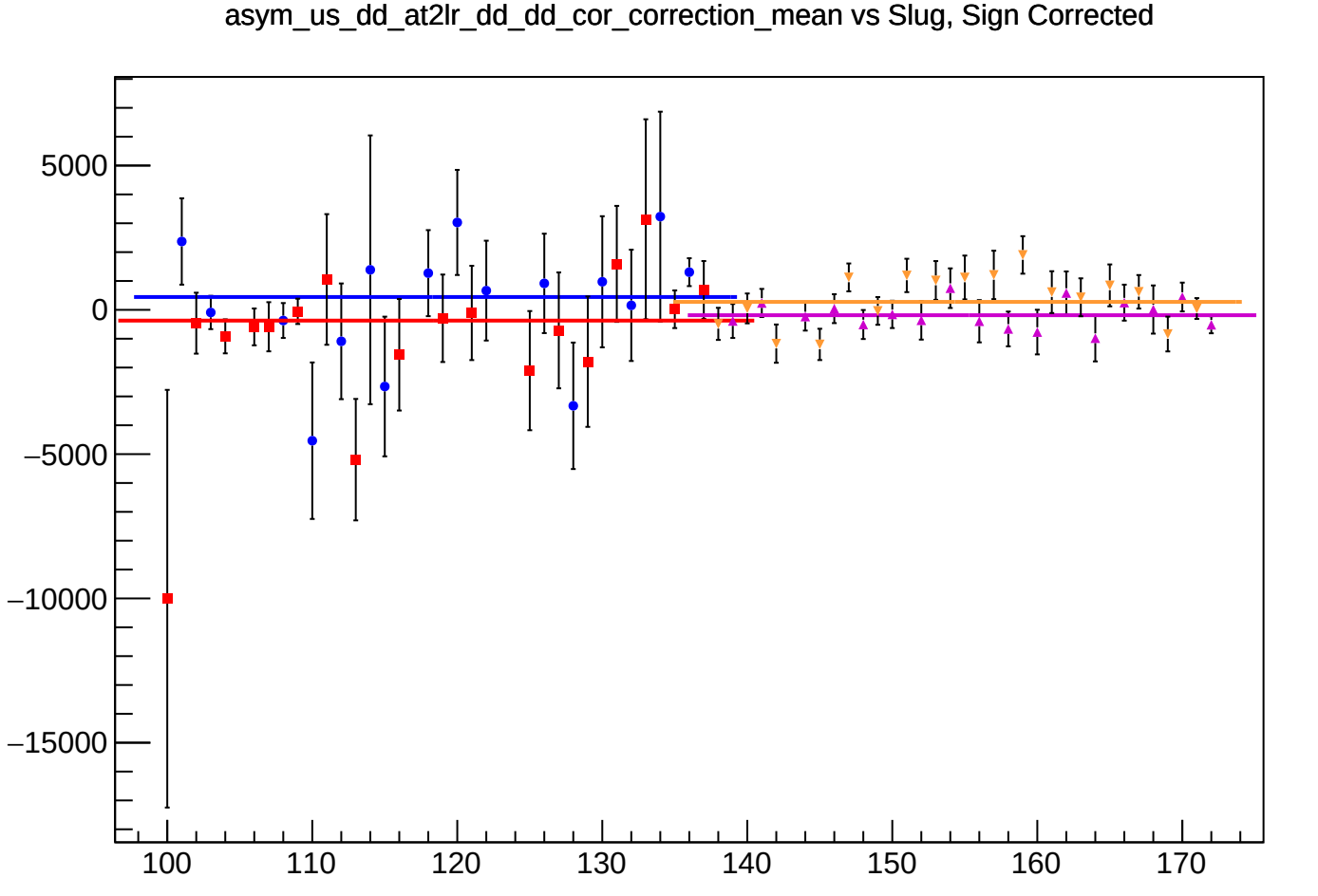
Left: 1584.990+/-0.214 χ^2/NDF: 191709.7/33

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

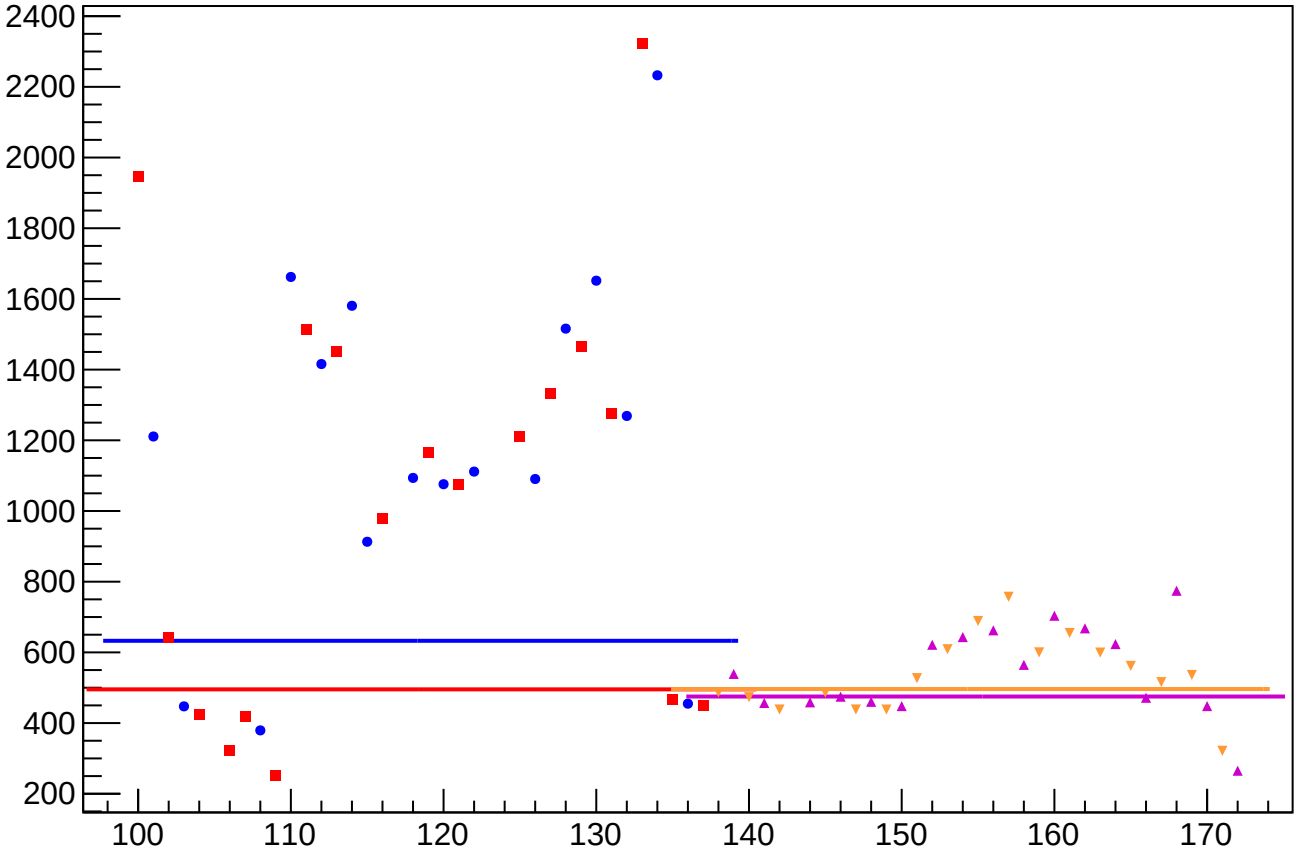
In: 1522.588+/-0.236 χ^2/NDF:766542.2/32

Out: 1513.142+/-0.238 χ^2/NDF:596882.8/34

All: 1517.906+/-0.167 χ^2/NDF: 1364221.2/67


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: 275.884+/-139.325 χ²/NDF:35.3/16
Right Out: -372.538+/-231.353 χ²/NDF: 14.0/17
Left In: -186.062+/-132.241 χ²/NDF:10.1/16
Left: 32.869+/-95.915 χ²/NDF: 51.2/33
Right: -33.290+/-176.966 χ²/NDF: 38.4/33
In: -67.335+/-119.156 χ²/NDF:33.6/32
Out: 103.310+/-119.353 χ²/NDF:55.1/34
All: 17.847+/-84.326 χ²/NDF: 89.7/67

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: 496.322+/-0.099 χ^2/NDF:1155285.5/16

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 475.117+/-0.094 χ^2/NDF:2075830.2/16

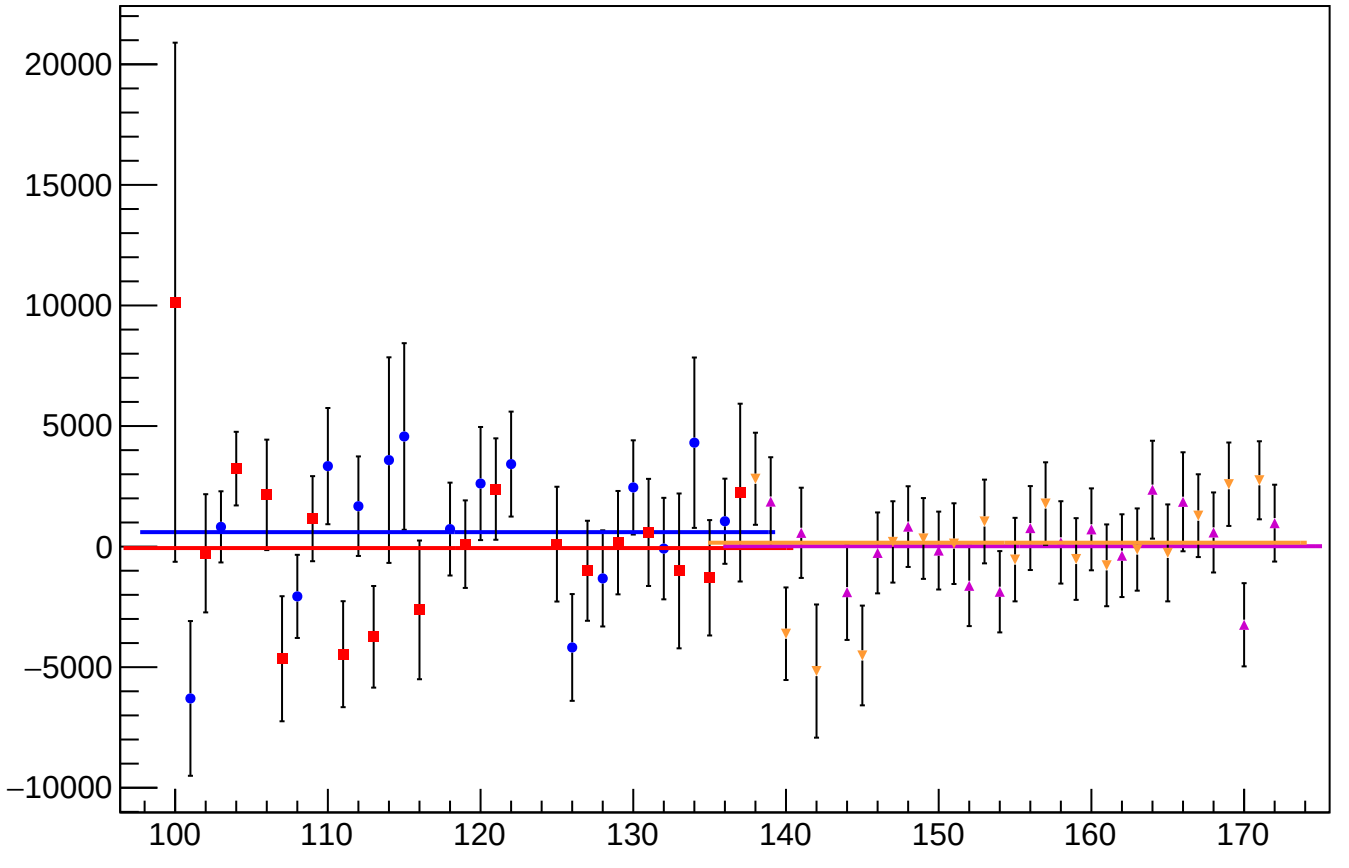
Left: 485.167+/-0.068 χ^2/NDF: 3255487.4/33

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 504.769+/-0.084 χ^2/NDF:6378132.1/32

Out: 496.071+/-0.084 χ^2/NDF:5492794.6/34

All: 500.427+/-0.060 χ^2/NDF: 11876246.1/67



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 161.711+/-433.368 χ^2/NDF:21.4/16

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: 16.625+/-423.609 χ^2/NDF:11.1/16

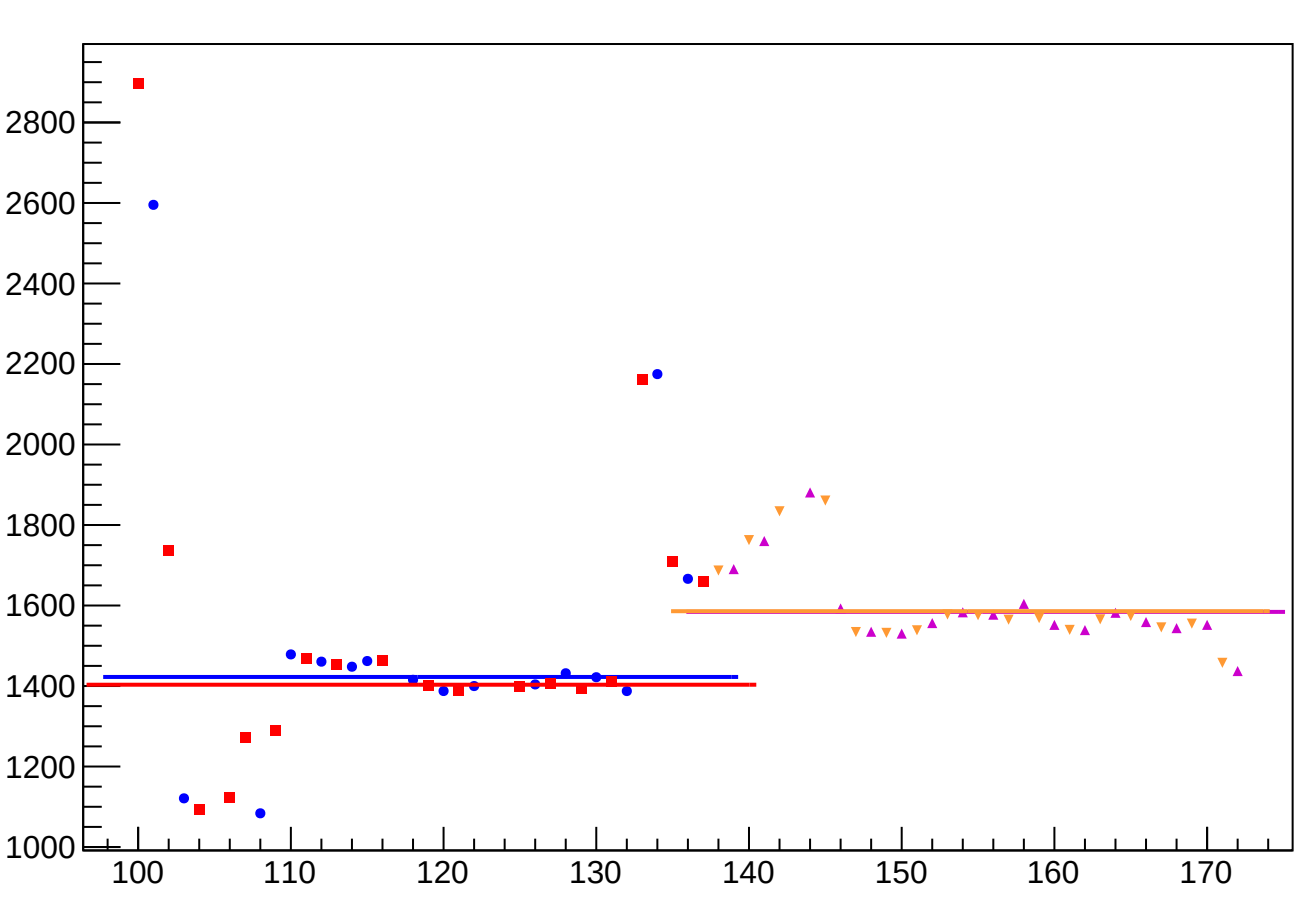
Left: 87.516+/-302.928 χ^2/NDF: 32.6/33

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 238.842+/-333.307 χ^2/NDF:32.2/32

Out: 73.295+/-336.205 χ^2/NDF:41.9/34

All: 156.785+/-236.701 χ^2/NDF: 74.2/67



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1585.859+/-0.306 χ^2/NDF:96338.7/16

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: 1584.990+/-0.214 χ^2/NDF: 191709.7/33

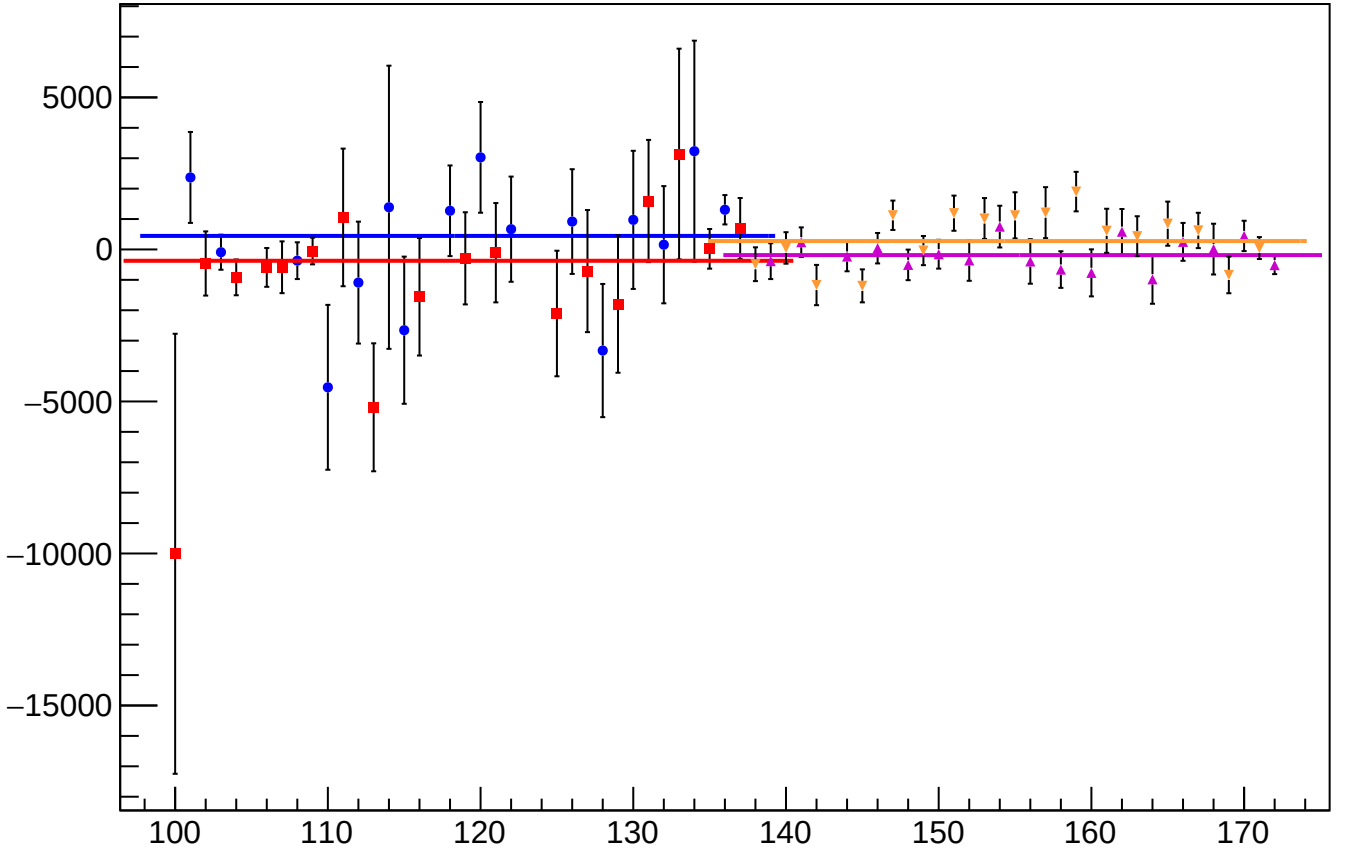
Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1522.588+/-0.236 χ^2/NDF:766542.2/32

Out: 1513.142+/-0.238 χ^2/NDF:596882.8/34

All: 1517.906+/-0.167 χ^2/NDF: 1364221.2/67

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: 275.884+/-139.325 χ^2/NDF:35.3/16

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: 32.869+/-95.915 χ^2/NDF: 51.2/33

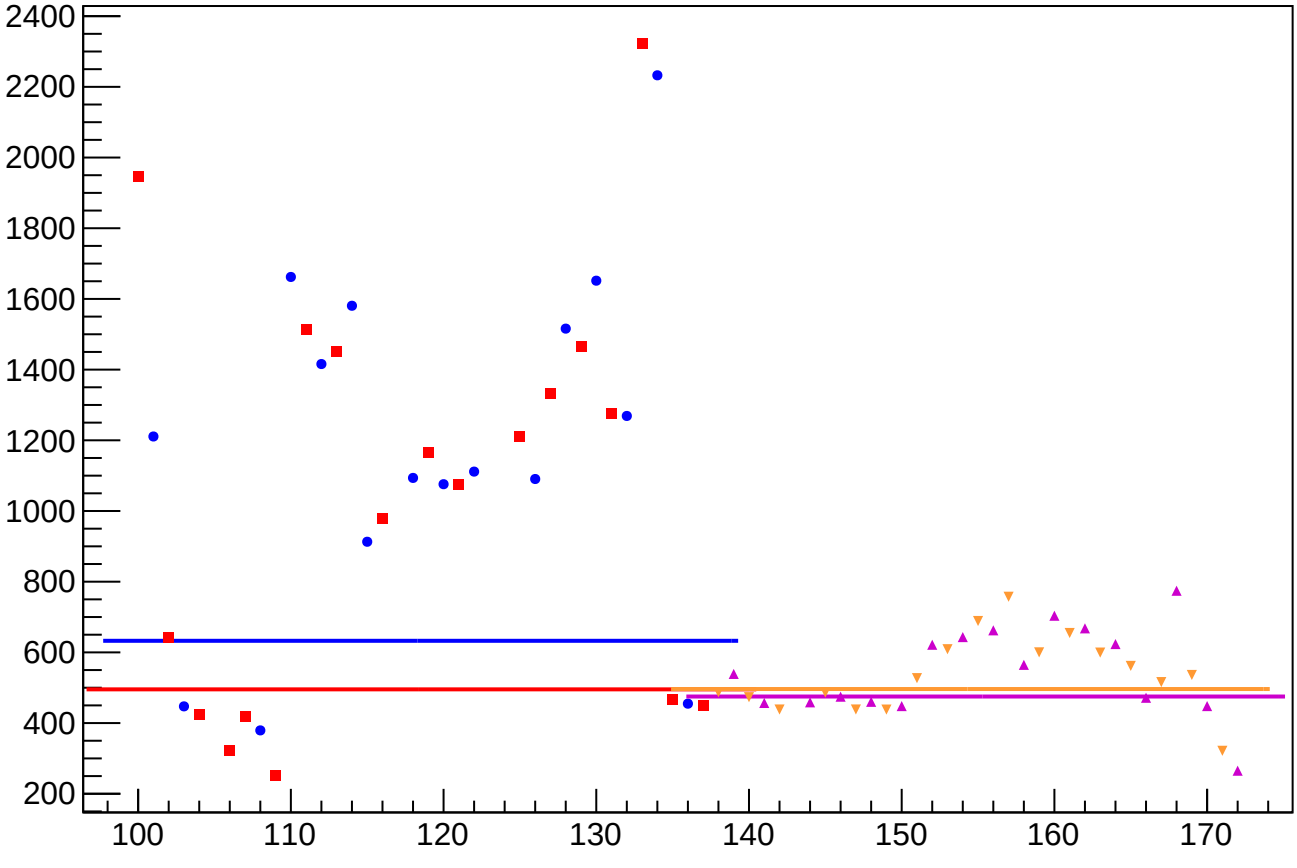
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -67.335+/-119.156 χ^2/NDF:33.6/32

Out: 103.310+/-119.353 χ^2/NDF:55.1/34

All: 17.847+/-84.326 χ^2/NDF: 89.7/67

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: 496.322+/-0.099 χ^2/NDF:1155285.5/16

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 475.117+/-0.094 χ^2/NDF:2075830.2/16

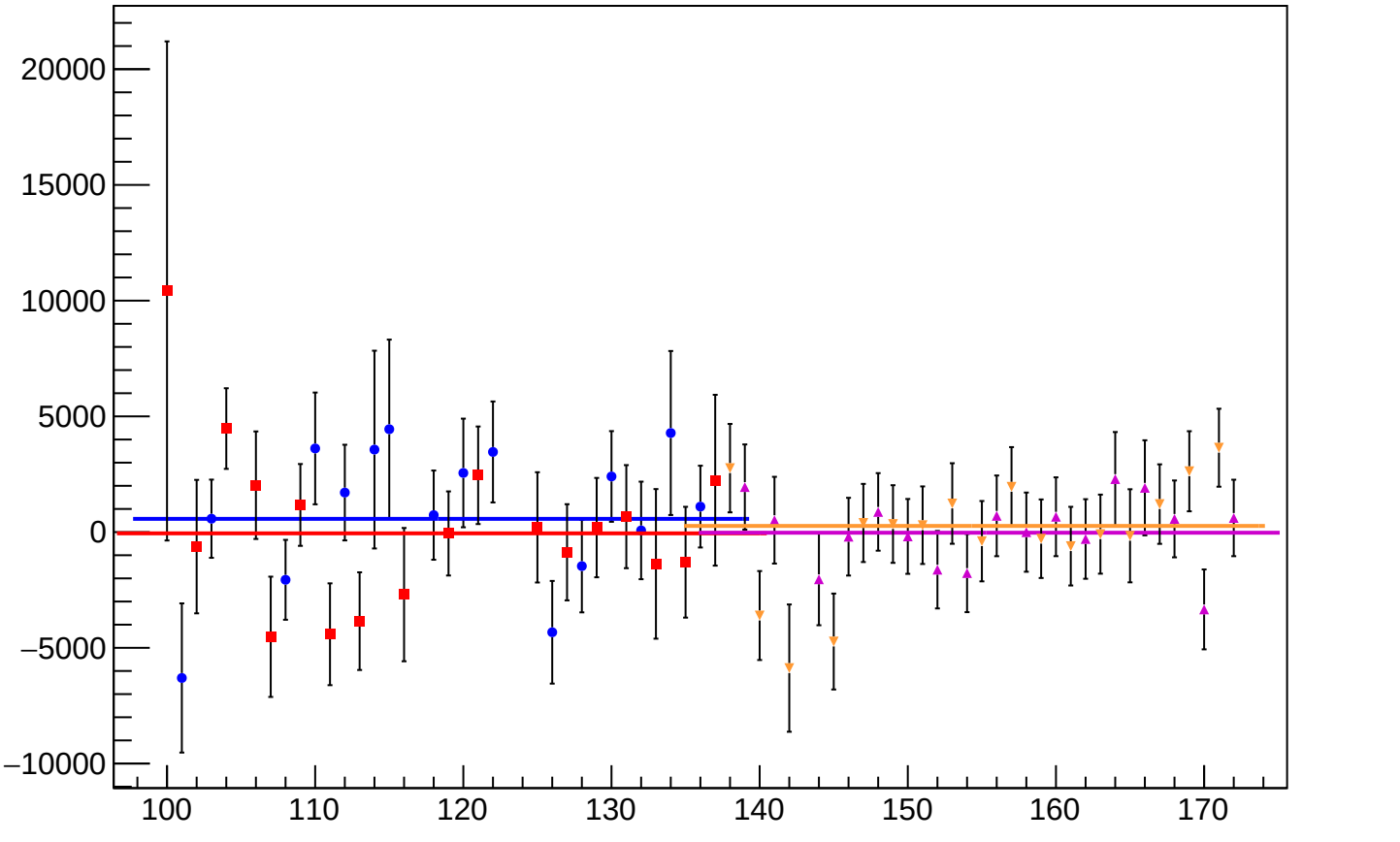
Left: 485.167+/-0.068 χ^2/NDF: 3255487.4/33

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 504.769+/-0.084 χ^2/NDF:6378132.1/32

Out: 496.071+/-0.084 χ^2/NDF:5492794.6/34

All: 500.427+/-0.060 χ^2/NDF: 11876246.1/67



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: 266.255+/-435.021 χ^2/NDF:24.7/16

Right Out: -53.754+/-545.353 χ^2/NDF: 22.5/17

Left In: -26.818+/-425.168 χ^2/NDF:11.1/16

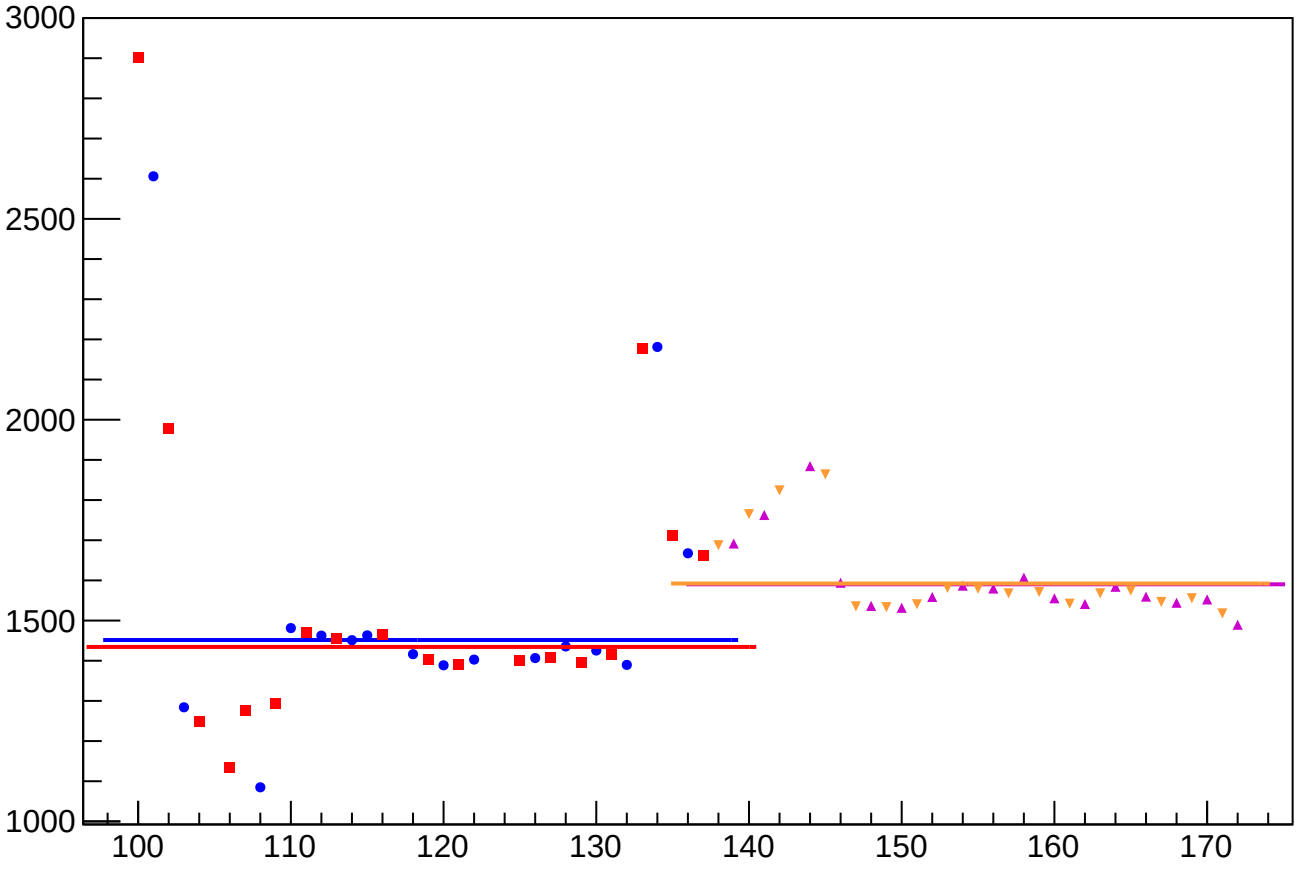
Left: 116.362+/-304.063 χ^2/NDF: 35.9/33

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 197.465+/-336.296 χ^2/NDF:32.6/32

Out: 141.814+/-340.078 χ^2/NDF:47.4/34

All: 169.950+/-239.123 χ^2/NDF: 80.0/67



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1592.192+/-0.308 χ^2/NDF:85820.3/16

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: 1591.206+/-0.215 χ^2/NDF: 171296.0/33

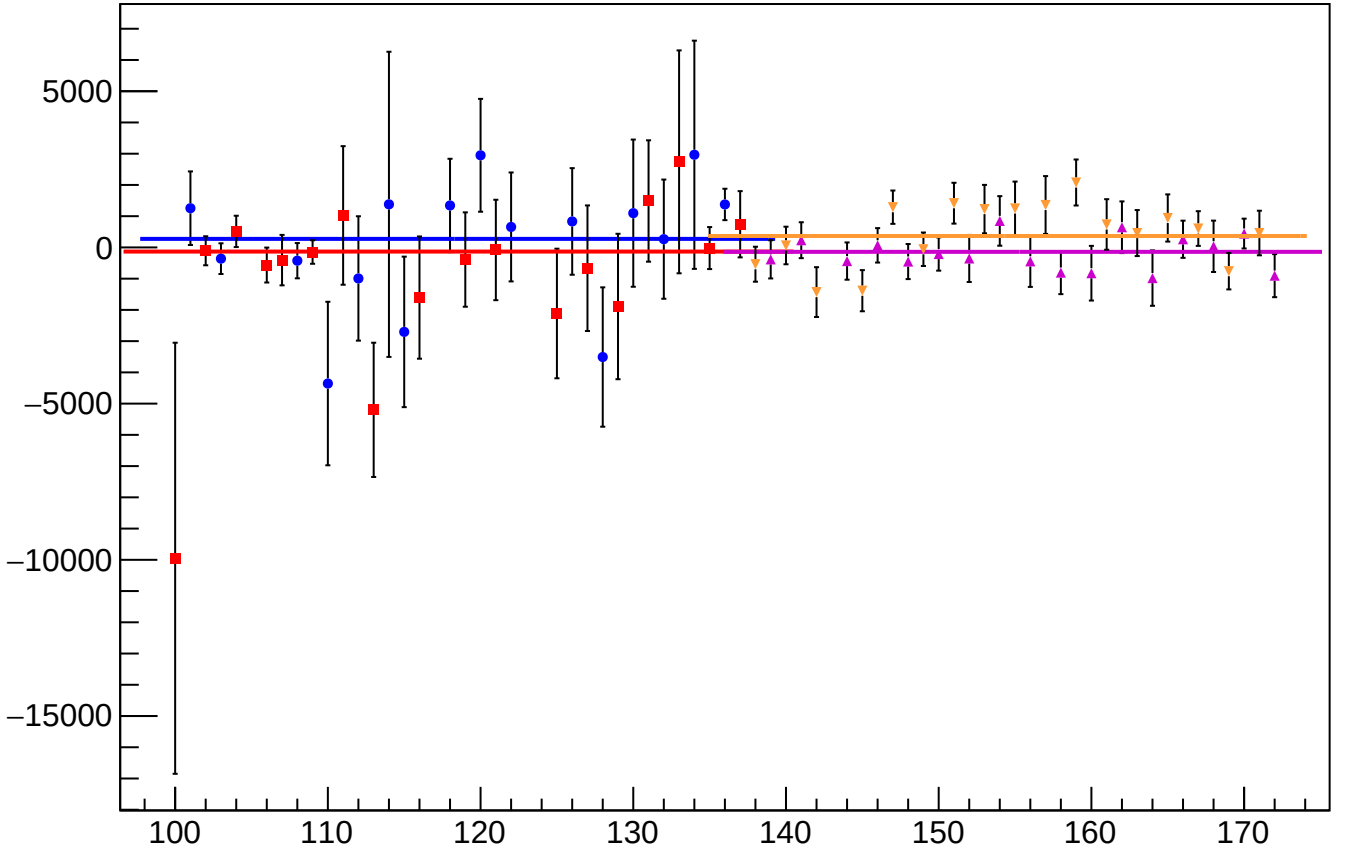
Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1538.346+/-0.238 χ^2/NDF:652955.6/32

Out: 1530.801+/-0.240 χ^2/NDF:516838.7/34

All: 1534.616+/-0.169 χ^2/NDF: 1170291.9/67

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 365.384+/-161.234 χ^2/NDF:34.8/16

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: 106.077+/-112.673 χ^2/NDF: 49.5/33

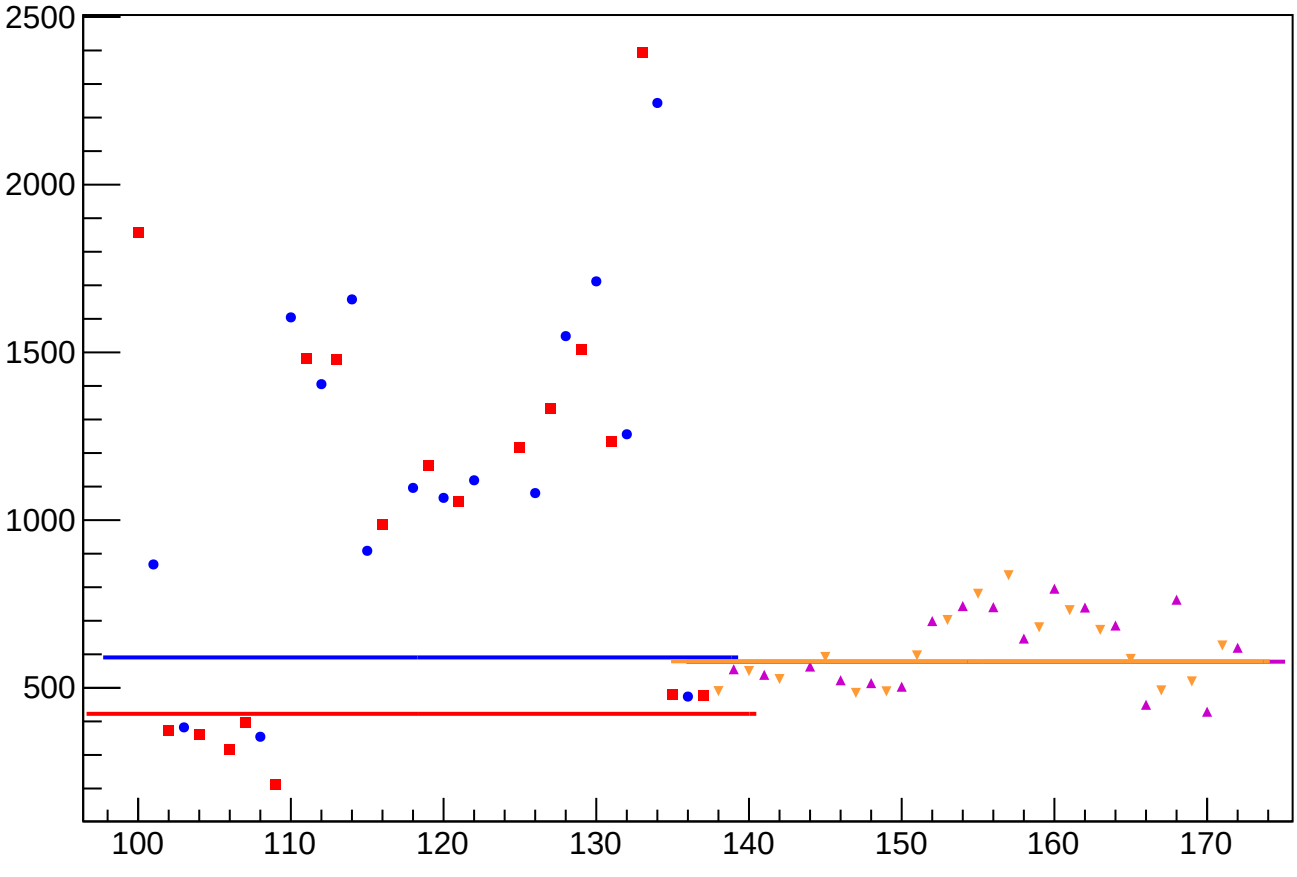
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: -30.366+/-134.797 χ^2/NDF:31.7/32

Out: 164.331+/-124.500 χ^2/NDF:53.0/34

All: 74.702+/-91.459 χ^2/NDF: 85.9/67

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: 579.105+/-0.114 χ^2/NDF:717974.5/16

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 578.031+/-0.111 χ^2/NDF:962399.1/16

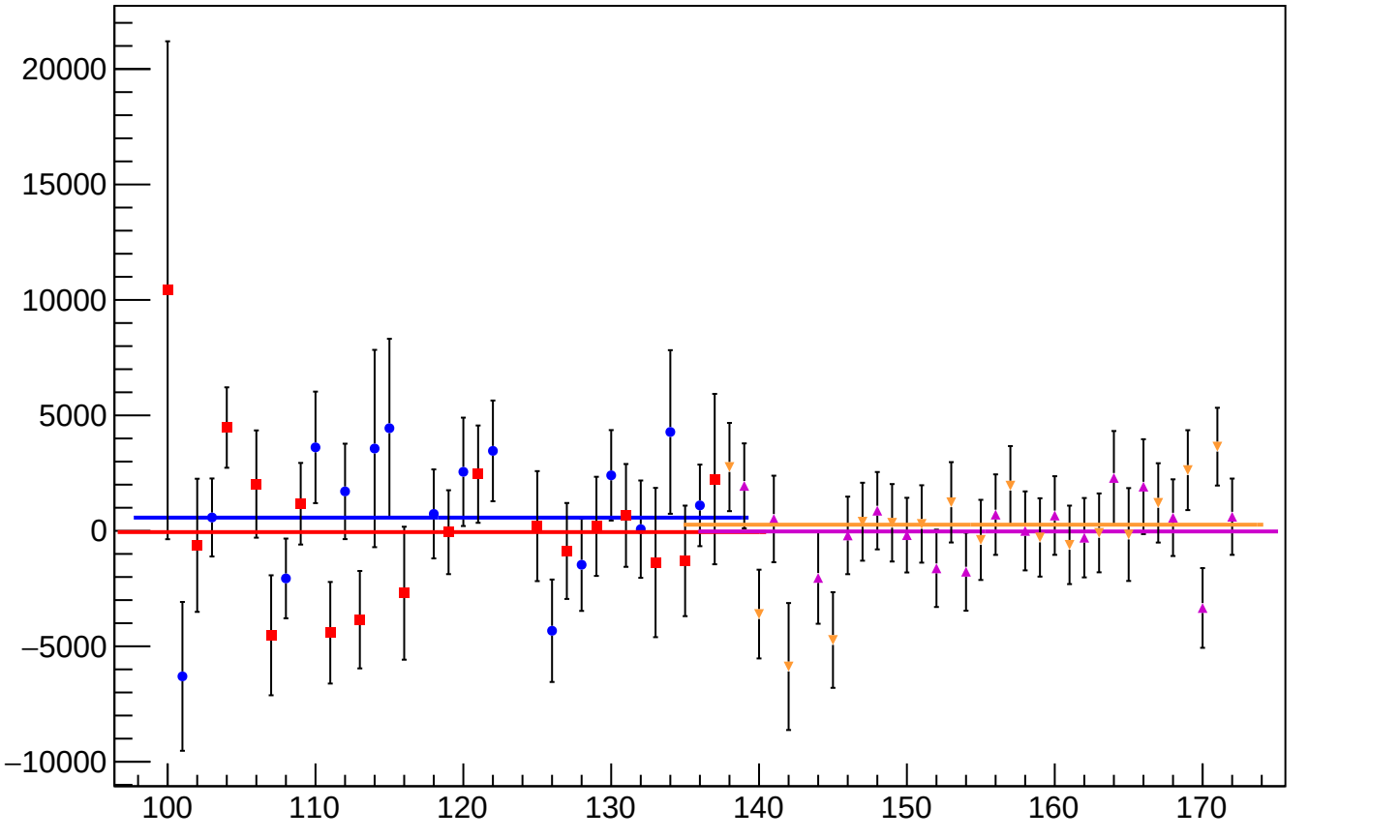
Left: 578.556+/-0.080 χ^2/NDF: 1680419.0/33

Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 581.435+/-0.095 χ^2/NDF:4851391.1/32

Out: 515.927+/-0.088 χ^2/NDF:6336552.7/34

All: 546.084+/-0.065 χ^2/NDF: 11442849.1/67



Right In: 572.290+/-549.638 χ^2/NDF: 20.8/15

Left Out: 266.249+/-435.021 χ^2/NDF:24.7/16

Right Out: -53.752+/-545.353 χ^2/NDF: 22.5/17

Left In: -26.815+/-425.168 χ^2/NDF:11.1/16

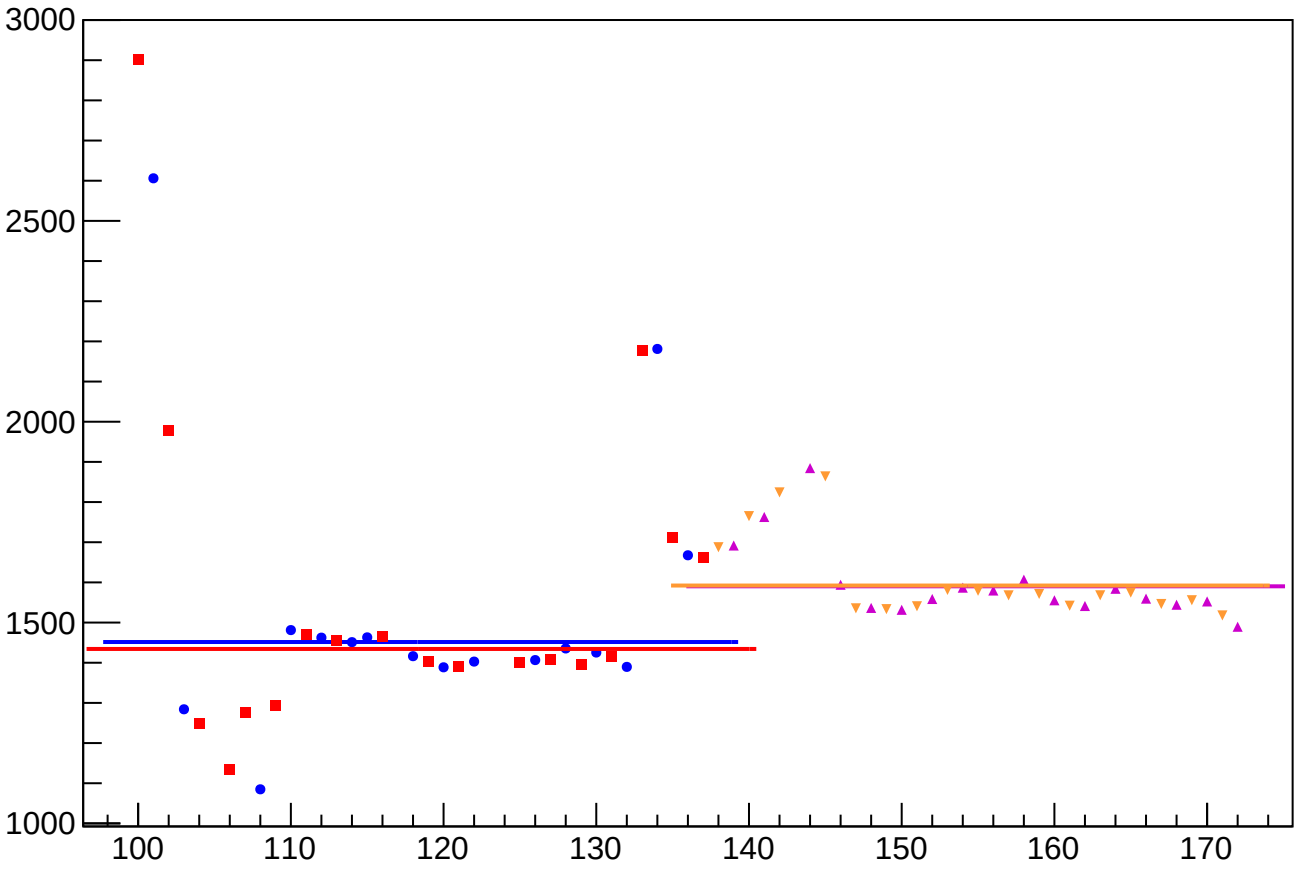
Left: 116.361+/-304.063 χ^2/NDF: 35.9/33

Right: 256.819+/-387.129 χ^2/NDF: 43.9/33

In: 197.467+/-336.296 χ^2/NDF:32.6/32

Out: 141.811+/-340.078 χ^2/NDF:47.4/34

All: 169.950+/-239.123 χ^2/NDF: 80.0/67



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1592.192+/-0.308 χ^2/NDF:85820.9/16

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: 1591.206+/-0.215 χ^2/NDF: 171297.3/33

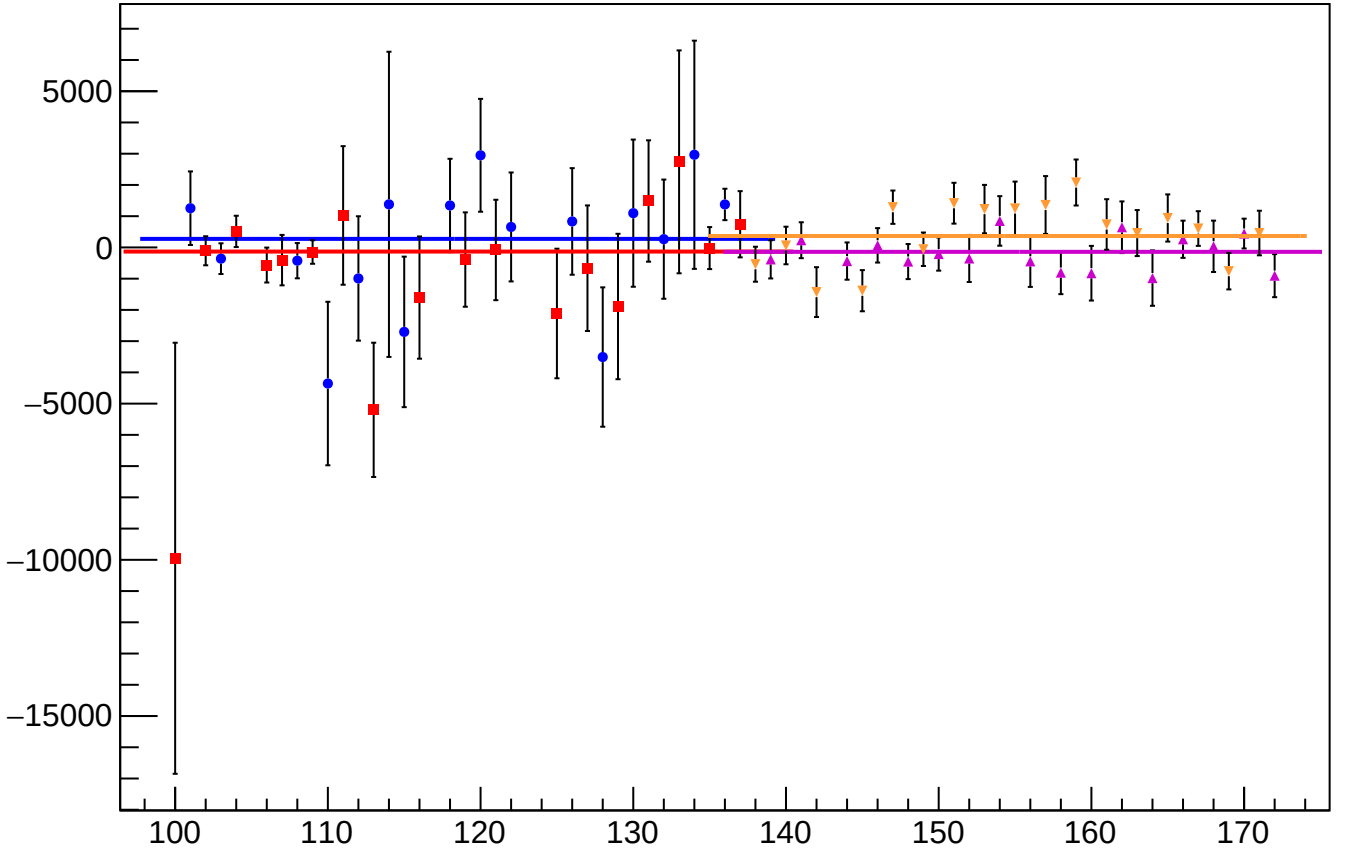
Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1538.345+/-0.238 χ^2/NDF:652955.6/32

Out: 1530.801+/-0.240 χ^2/NDF:516839.1/34

All: 1534.616+/-0.169 χ^2/NDF: 1170292.3/67

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 365.392+/-161.234 χ^2/NDF:34.8/16

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: 106.079+/-112.673 χ^2/NDF: 49.5/33

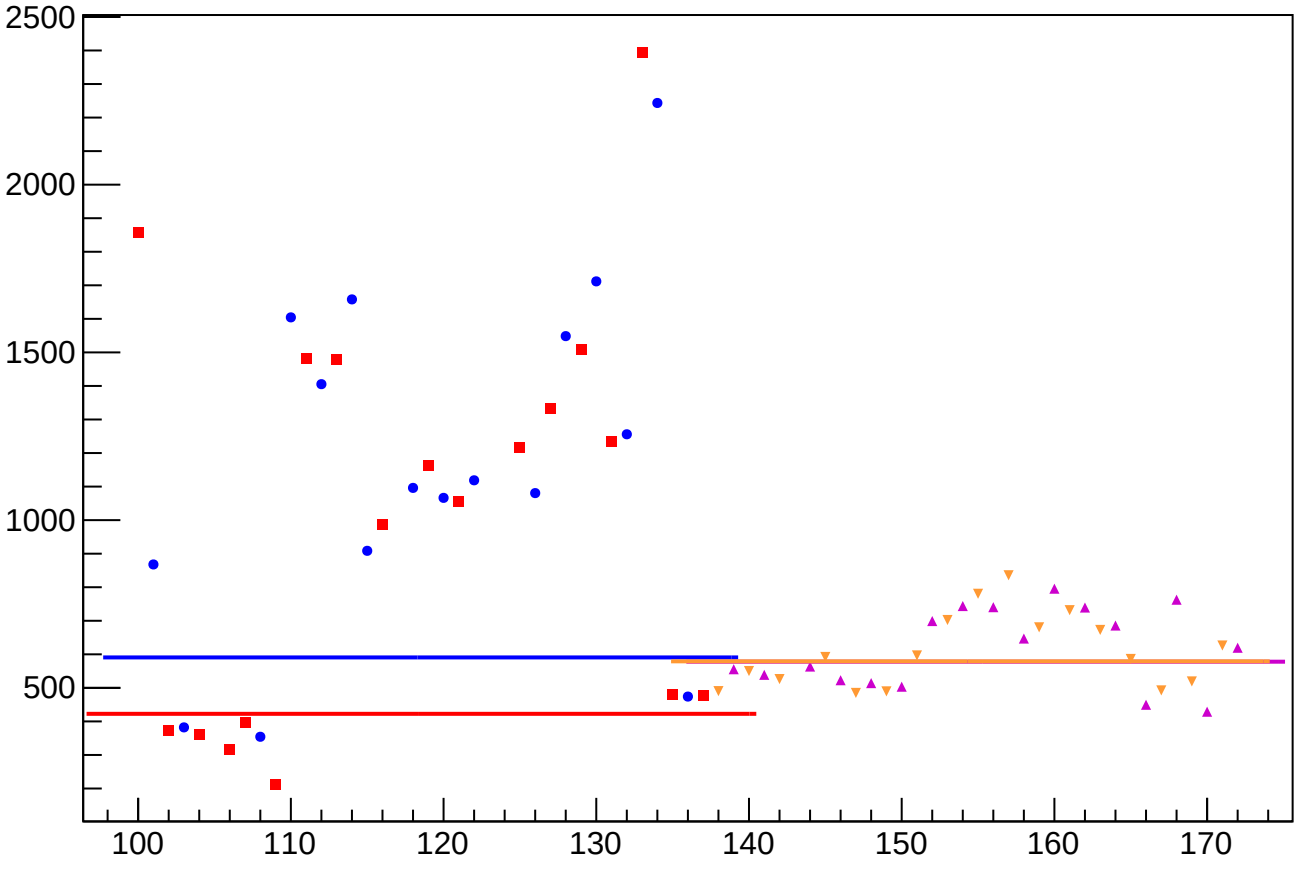
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: -30.369+/-134.797 χ^2/NDF:31.7/32

Out: 164.339+/-124.500 χ^2/NDF:53.0/34

All: 74.704+/-91.459 χ^2/NDF: 85.9/67

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 590.747+/-0.184 χ^2/NDF: 3885530.6/15

Left Out: 579.107+/-0.114 χ^2/NDF:717958.4/16

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 578.031+/-0.111 χ^2/NDF:962405.3/16

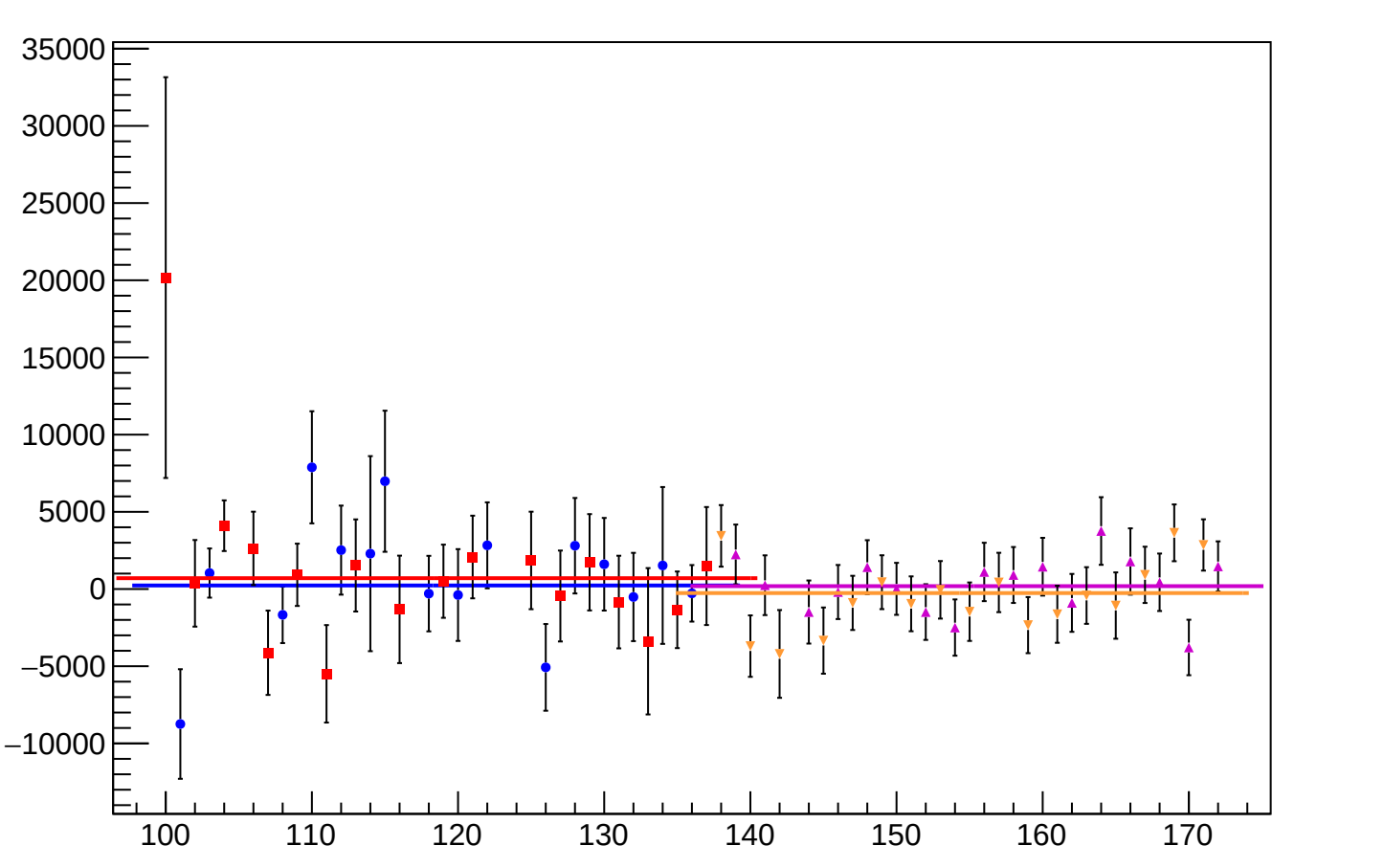
Left: 578.557+/-0.080 χ^2/NDF: 1680409.2/33

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 581.435+/-0.095 χ^2/NDF:4851424.7/32

Out: 515.931+/-0.088 χ^2/NDF:6336410.9/34

All: 546.086+/-0.065 χ^2/NDF: 11442707.4/67



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -260.522+/-460.259 χ^2/NDF:21.9/16

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: -31.327+/-321.644 χ^2/NDF: 37.6/33

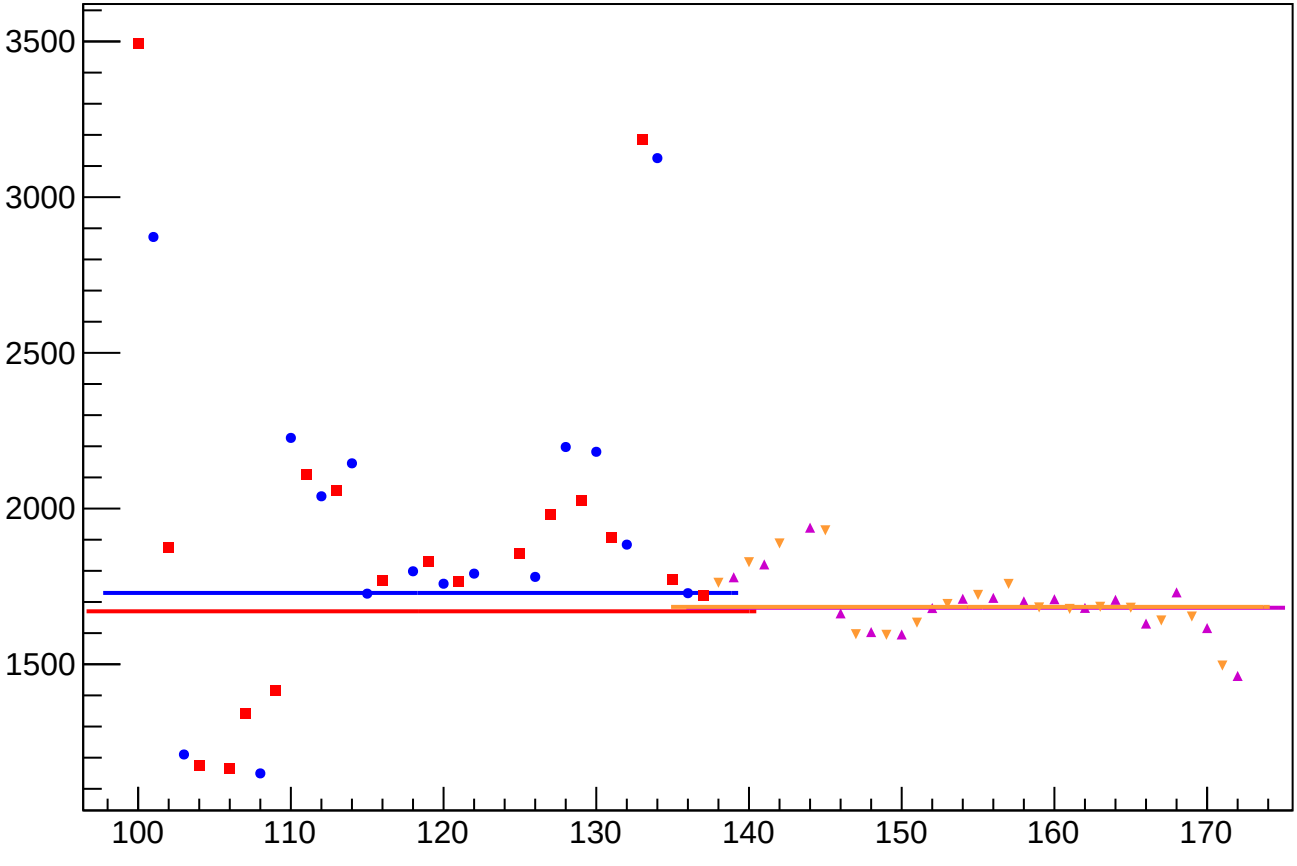
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 201.002+/-372.721 χ^2/NDF:36.0/32

Out: 62.114+/-375.300 χ^2/NDF:40.3/34

All: 132.037+/-264.461 χ^2/NDF: 76.5/67

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1684.295+/-0.325 χ^2/NDF:93167.6/16

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1681.446+/-0.318 χ^2/NDF:100197.0/16

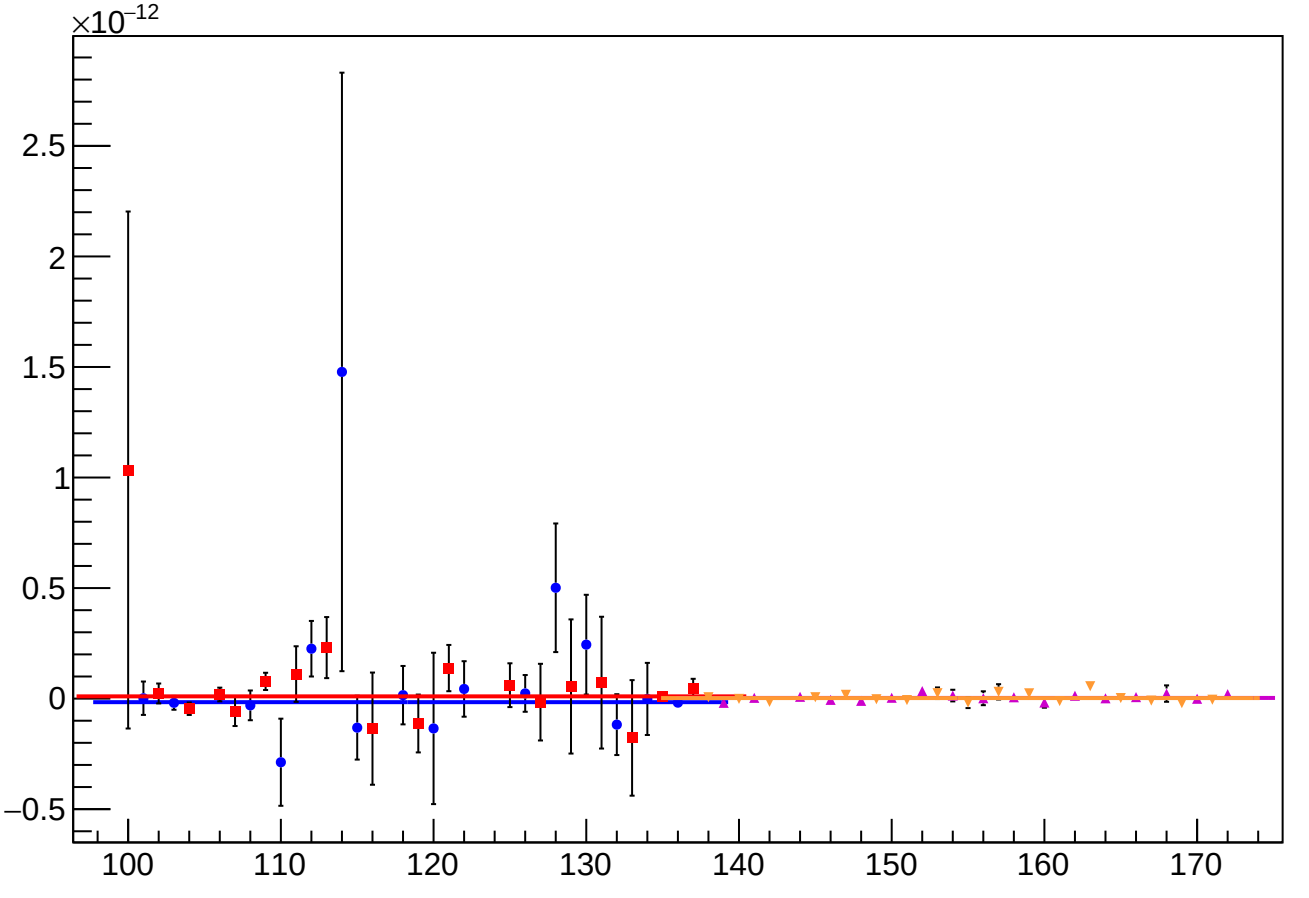
Left: 1682.838+/-0.227 χ^2/NDF: 193403.8/33

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1696.345+/-0.264 χ^2/NDF:1049290.9/32

Out: 1679.524+/-0.265 χ^2/NDF:838261.1/34

All: 1687.992+/-0.187 χ^2/NDF: 1889574.7/67



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:9.2/16

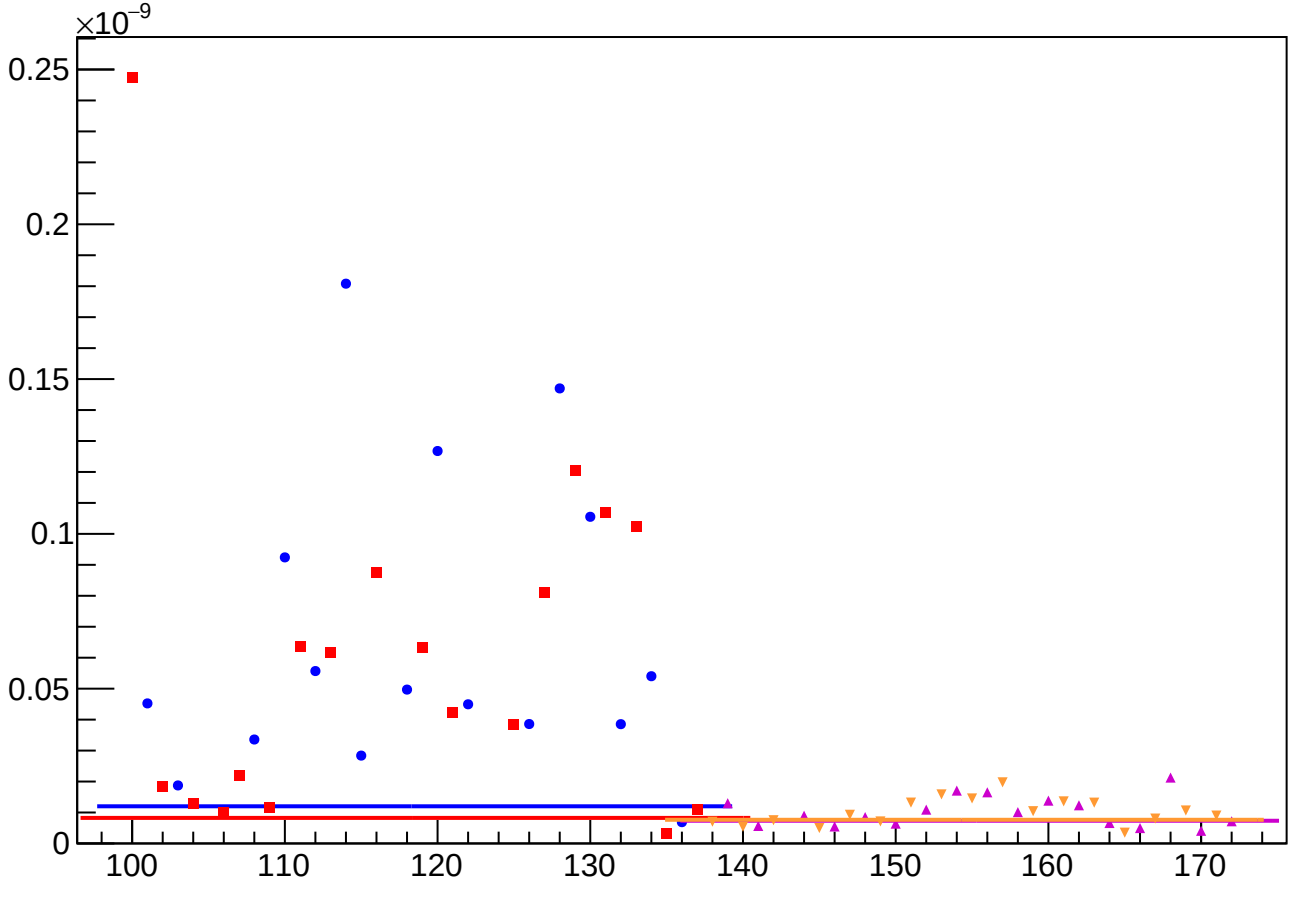
Left: 0.000+/-0.000 χ^2/NDF: 24.3/33

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:32.2/34

All: 0.000+/-0.000 χ^2/NDF: 58.1/67



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1802988.4/16

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: 3696244.4/33

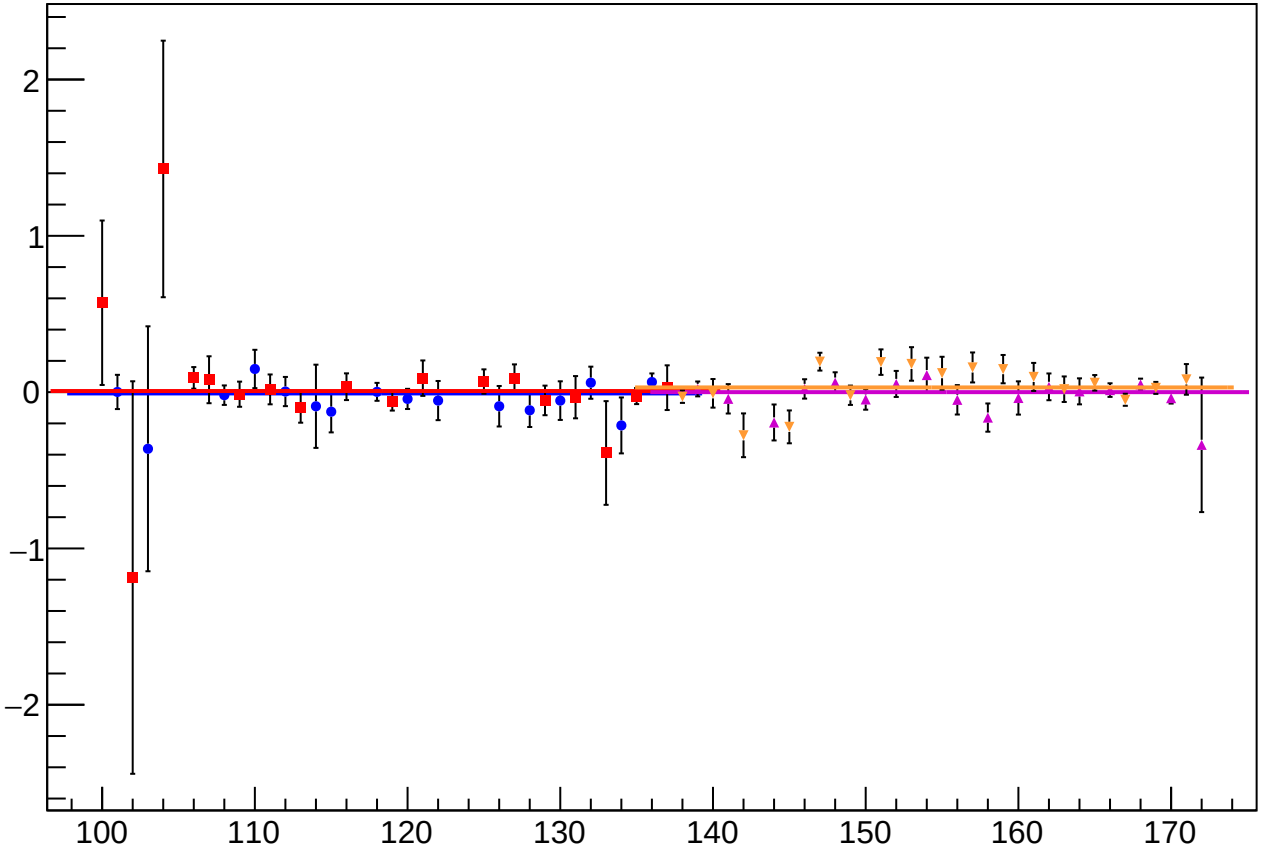
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:5685172.1/32

Out: 0.000+/-0.000 χ^2/NDF:5321501.8/34

All: 0.000+/-0.000 χ^2/NDF: 11007029.1/67

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:37.4/16

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: 52.9/33

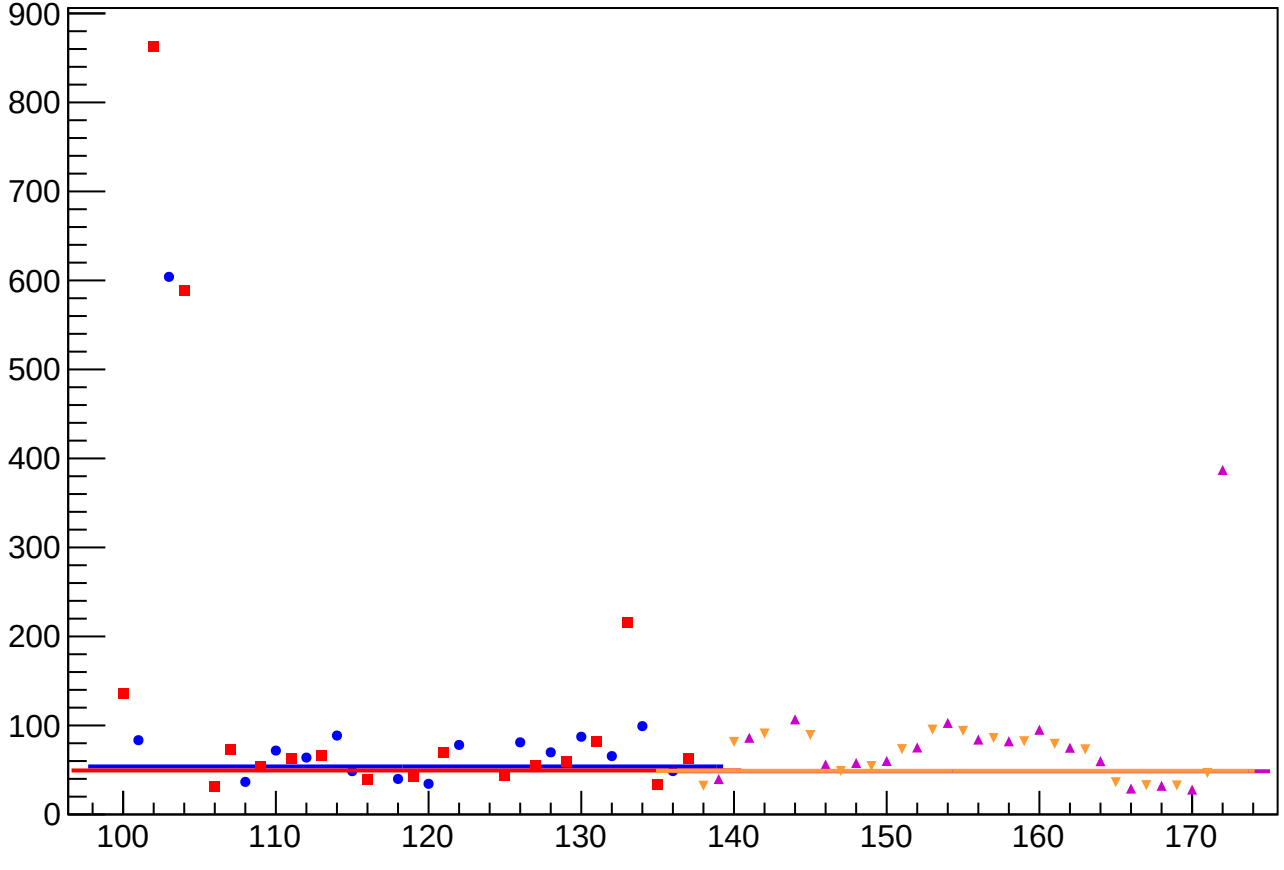
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.0/32

Out: 0.023+/-0.013 χ^2/NDF:51.8/34

All: 0.010+/-0.009 χ^2/NDF: 75.7/67

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: 49.046+/-0.011 χ^2/NDF:3828902.4/16

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: 48.785+/-0.008 χ^2/NDF: 9456272.6/33

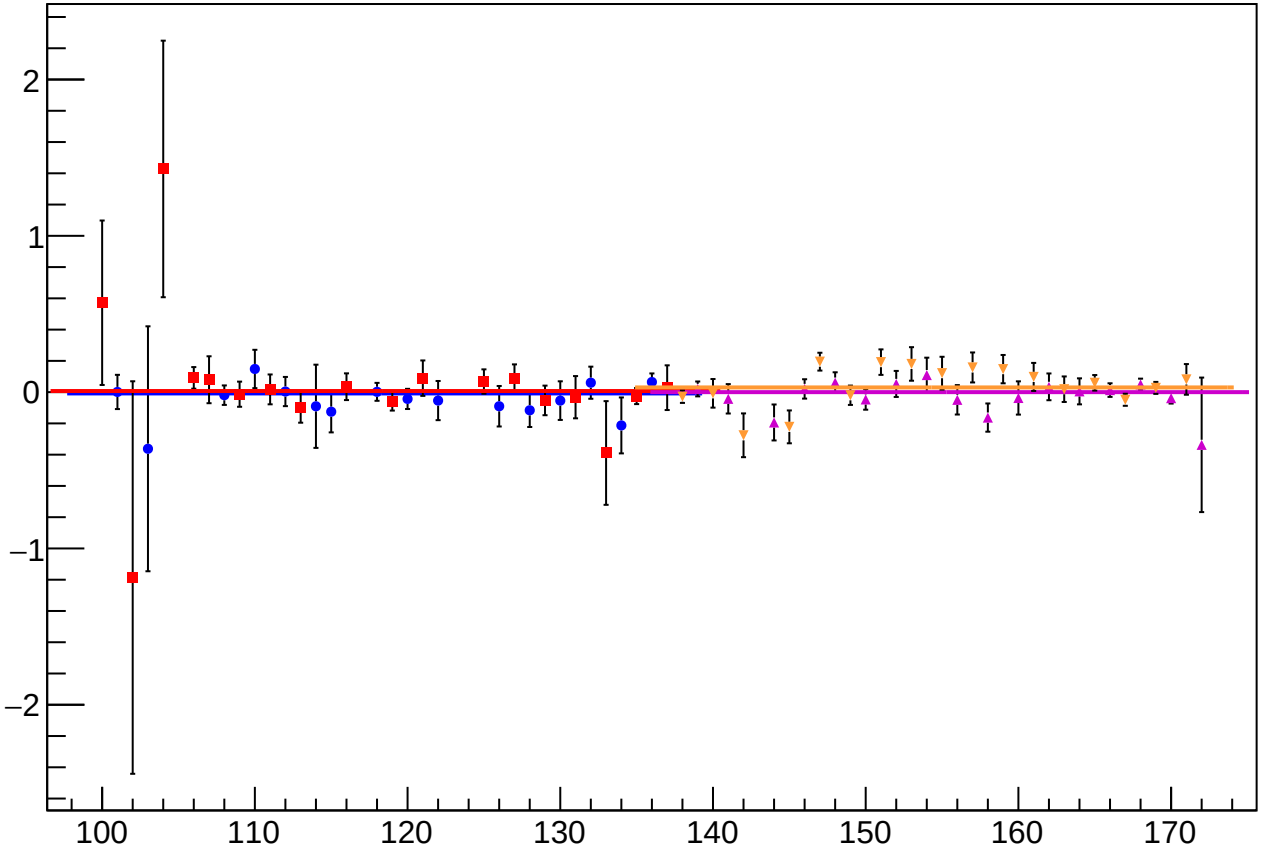
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 50.175+/-0.009 χ^2/NDF:7916393.2/32

Out: 49.168+/-0.009 χ^2/NDF:6847002.1/34

All: 49.670+/-0.006 χ^2/NDF: 14769641.0/67

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:37.4/16

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: 52.9/33

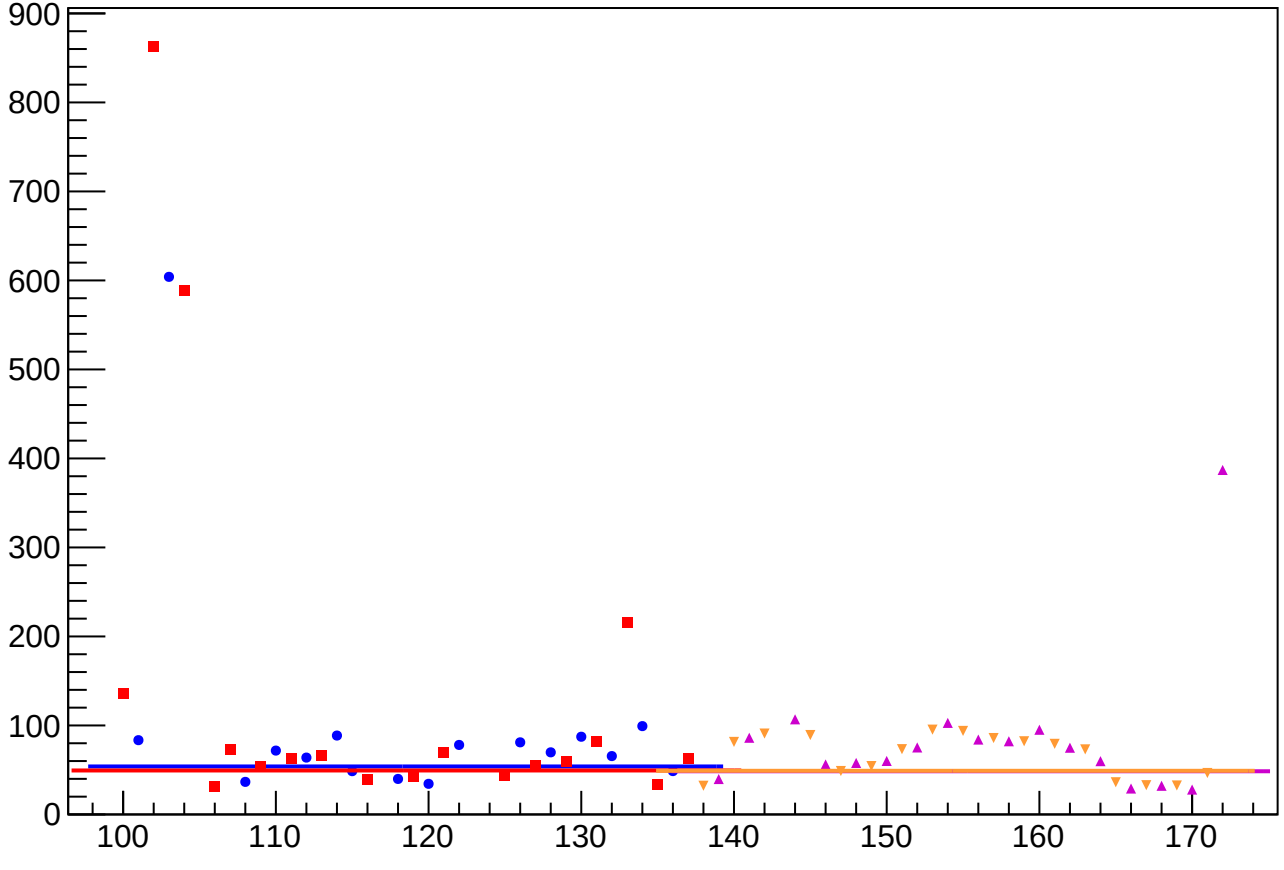
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.0/32

Out: 0.023+/-0.013 χ^2/NDF:51.8/34

All: 0.010+/-0.009 χ^2/NDF: 75.7/67

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: 49.046+/-0.011 χ^2/NDF:3828902.4/16

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: 48.785+/-0.008 χ^2/NDF: 9456272.6/33

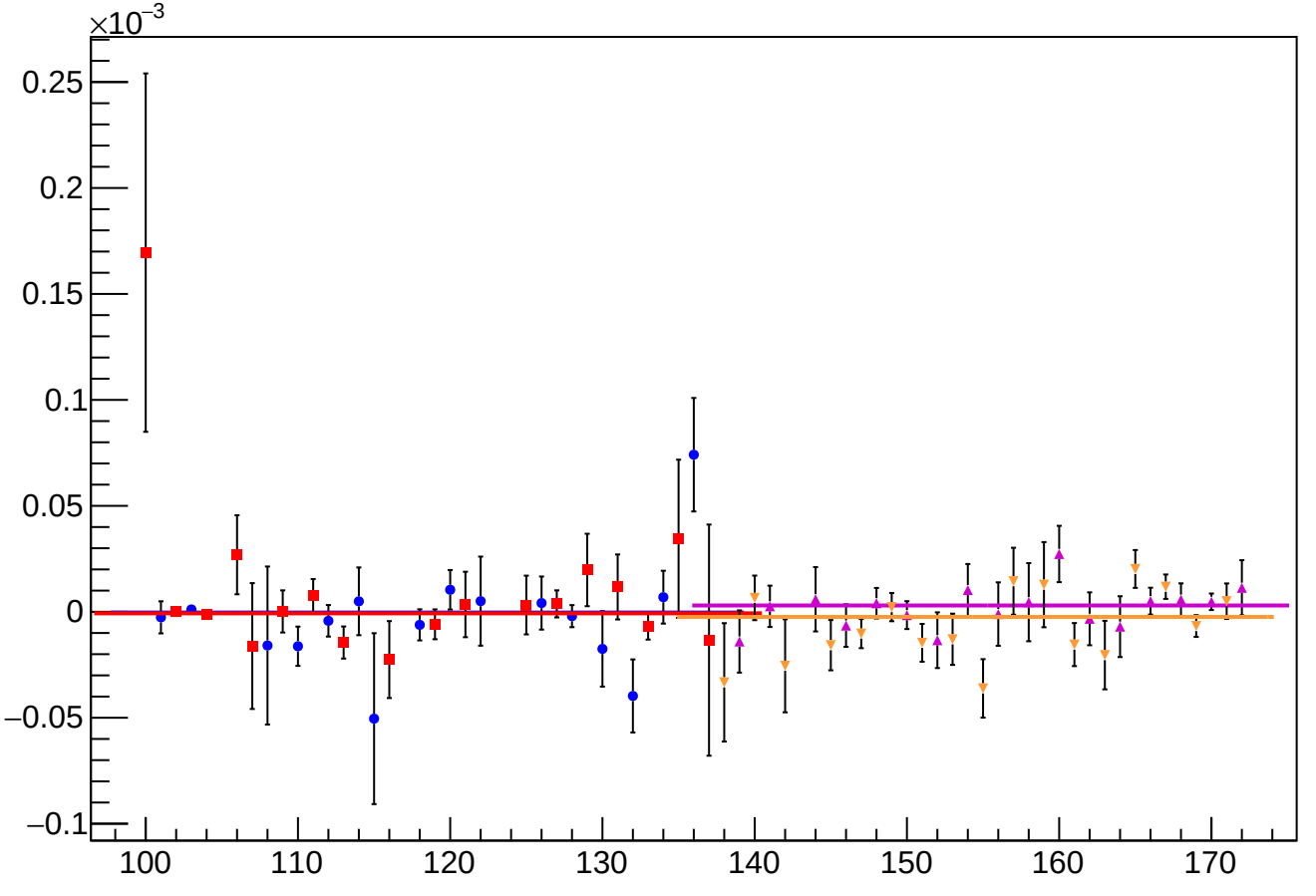
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 50.175+/-0.009 χ^2/NDF:7916393.2/32

Out: 49.168+/-0.009 χ^2/NDF:6847002.1/34

All: 49.670+/-0.006 χ^2/NDF: 14769641.0/67

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:33.4/16

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:9.7/16

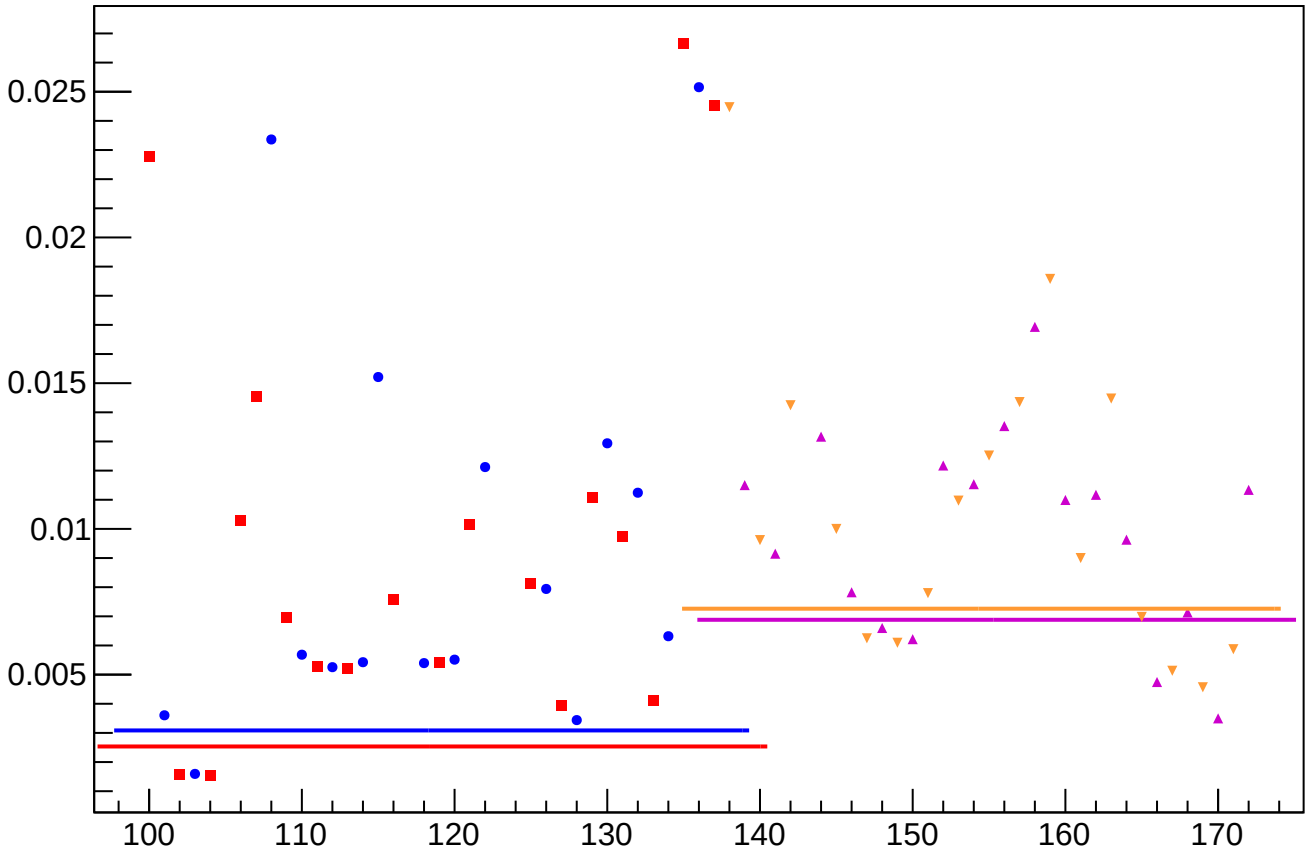
Left: 0.000+/-0.000 χ^2/NDF: 46.1/33

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:51.7/34

All: -0.000+/-0.000 χ^2/NDF: 86.4/67



Right In: 0.003+/-0.000 χ^2/NDF: 5779108.6/15

Left Out: 0.007+/-0.000 χ^2/NDF:4135448.1/16

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: 8929834.9/33

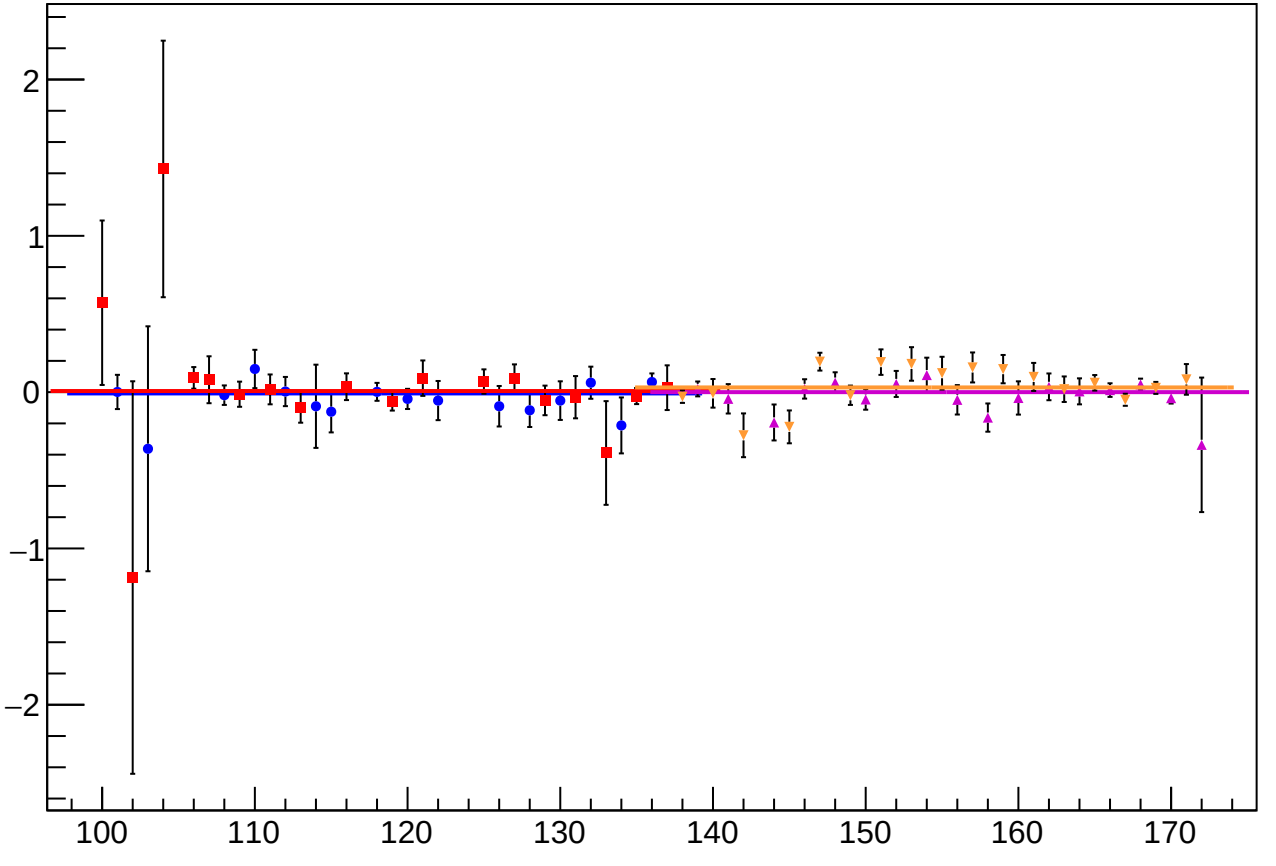
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.004+/-0.000 χ^2/NDF:14587358.7/32

Out: 0.004+/-0.000 χ^2/NDF:17205800.9/34

All: 0.004+/-0.000 χ^2/NDF: 32222737.6/67

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:37.4/16

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: 52.9/33

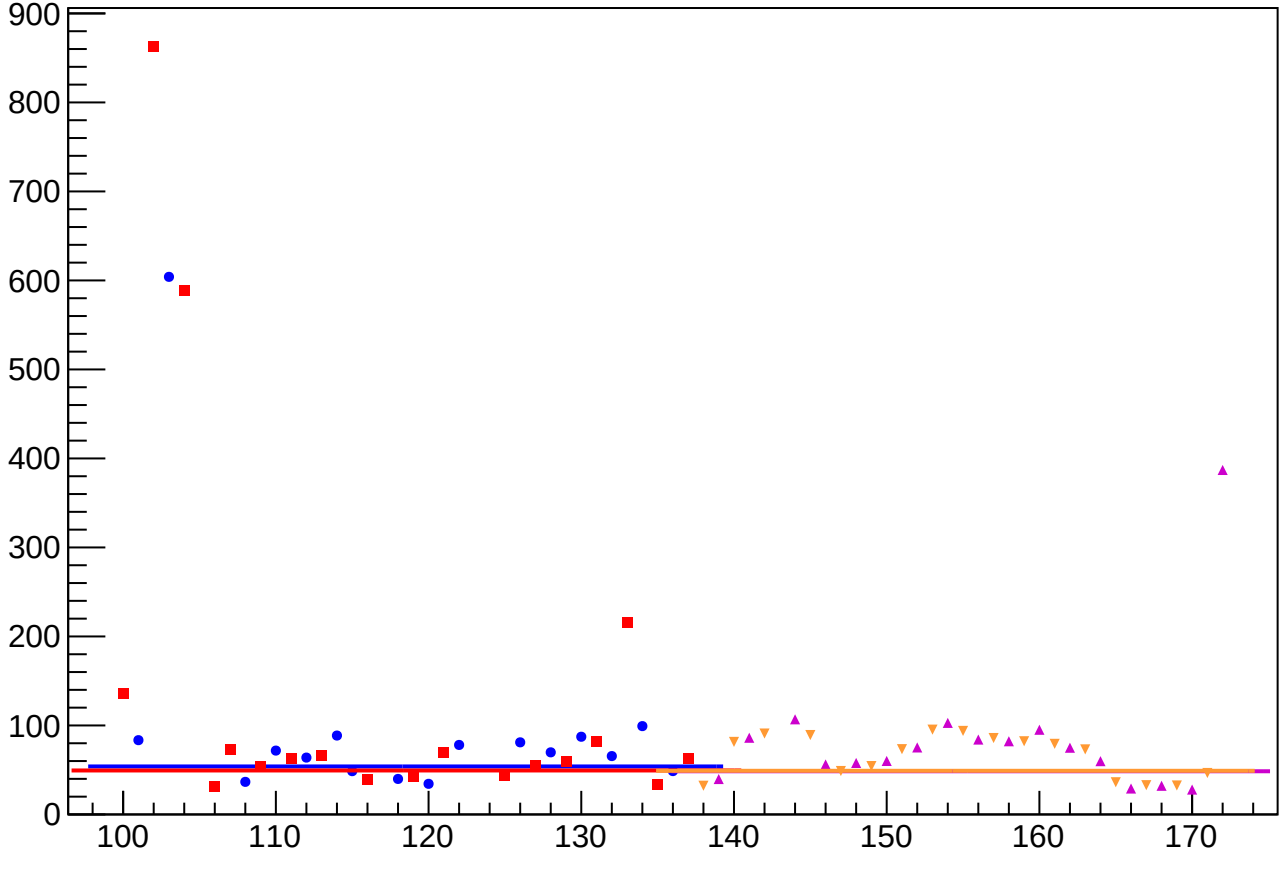
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.0/32

Out: 0.023+/-0.013 χ^2/NDF:51.8/34

All: 0.010+/-0.009 χ^2/NDF: 75.7/67

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: 49.048+/-0.011 χ^2/NDF:3828169.9/16

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: 48.786+/-0.008 χ^2/NDF: 9455491.9/33

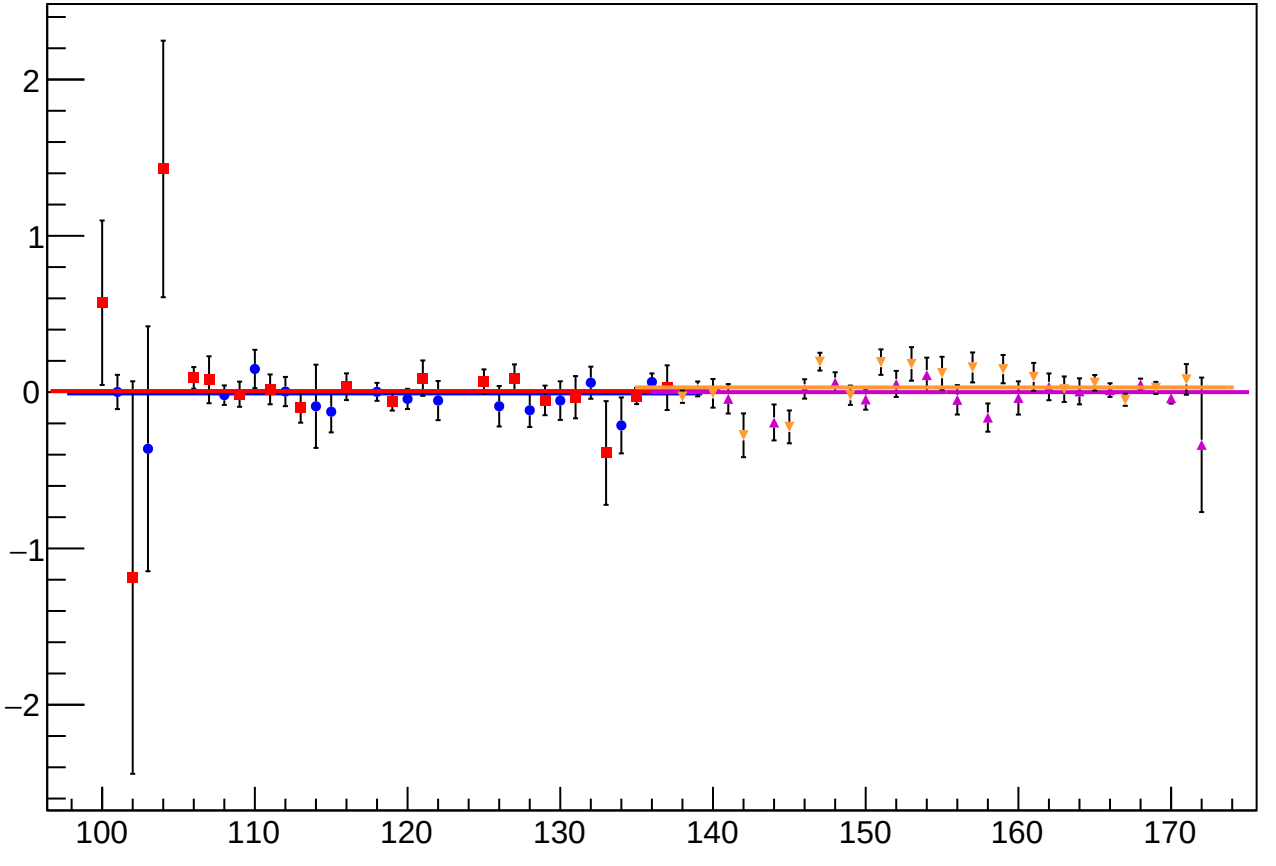
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 50.176+/-0.009 χ^2/NDF:7916024.9/32

Out: 49.171+/-0.009 χ^2/NDF:6845990.0/34

All: 49.672+/-0.006 χ^2/NDF: 14768244.2/67

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:37.4/16

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: 52.9/33

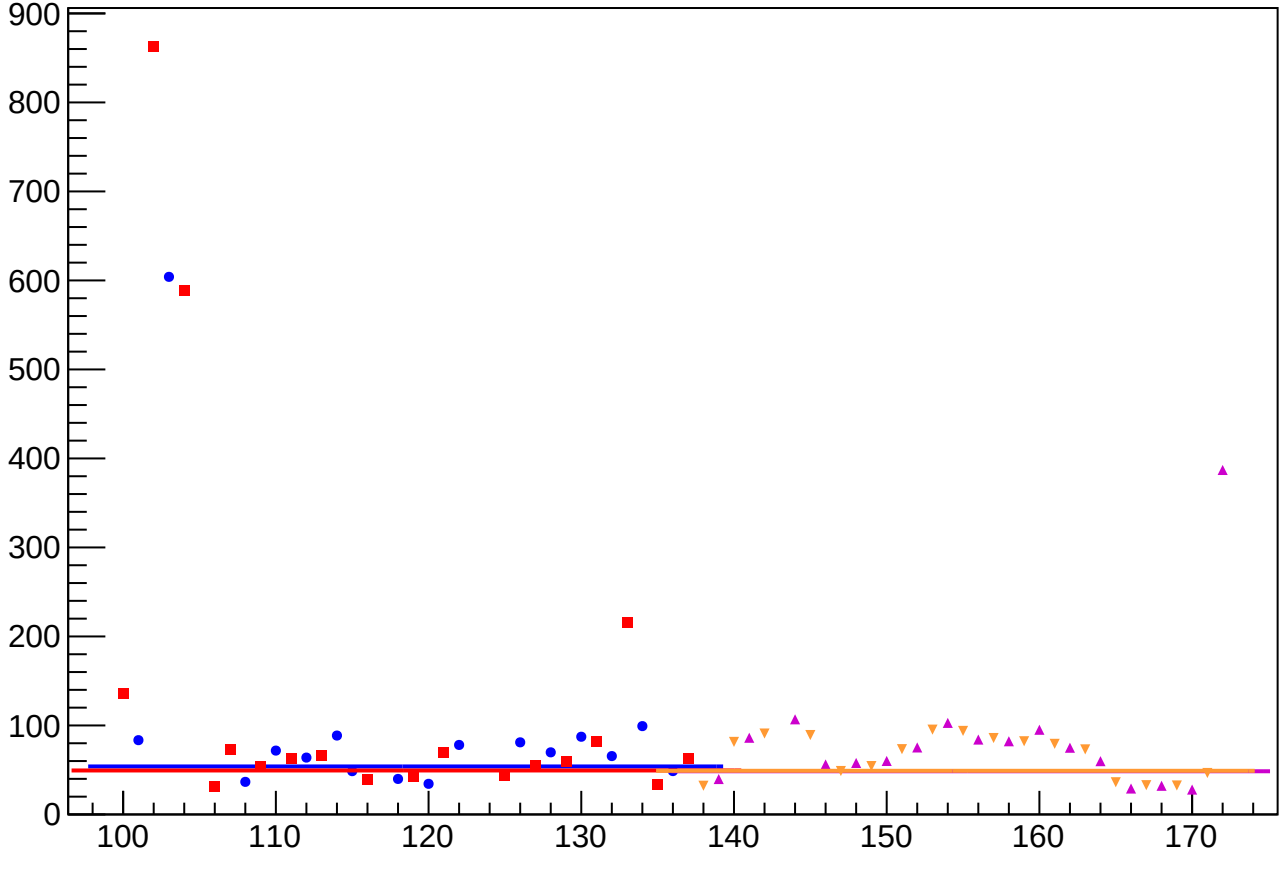
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.0/32

Out: 0.023+/-0.013 χ^2/NDF:51.8/34

All: 0.010+/-0.009 χ^2/NDF: 75.7/67

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: 49.048+/-0.011 χ^2/NDF:3828169.9/16

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: 48.786+/-0.008 χ^2/NDF: 9455491.9/33

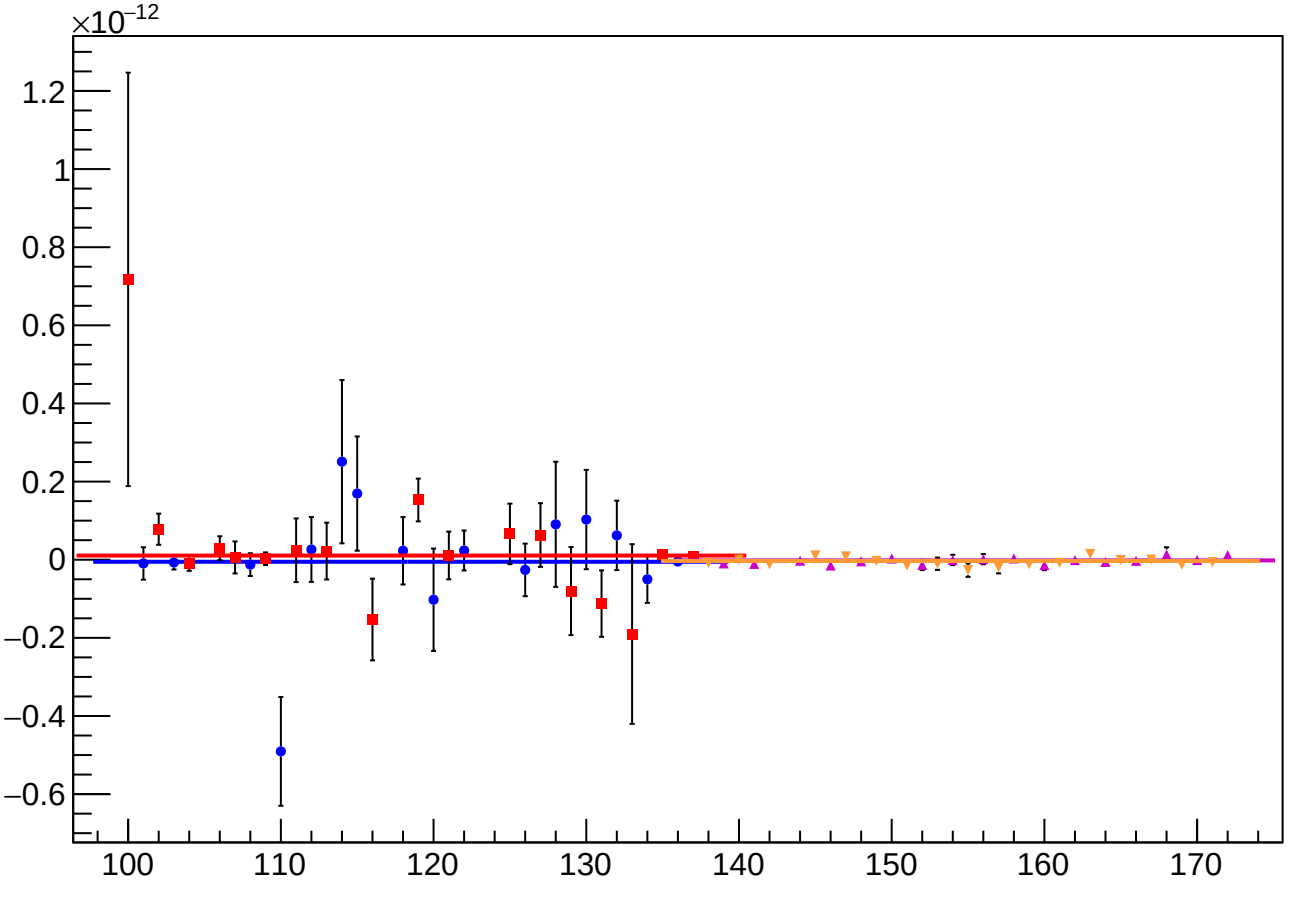
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 50.176+/-0.009 χ^2/NDF:7916024.9/32

Out: 49.171+/-0.009 χ^2/NDF:6845990.0/34

All: 49.672+/-0.006 χ^2/NDF: 14768244.2/67

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:15.6/16

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: -0.000+/-0.000 χ^2/NDF:13.4/16

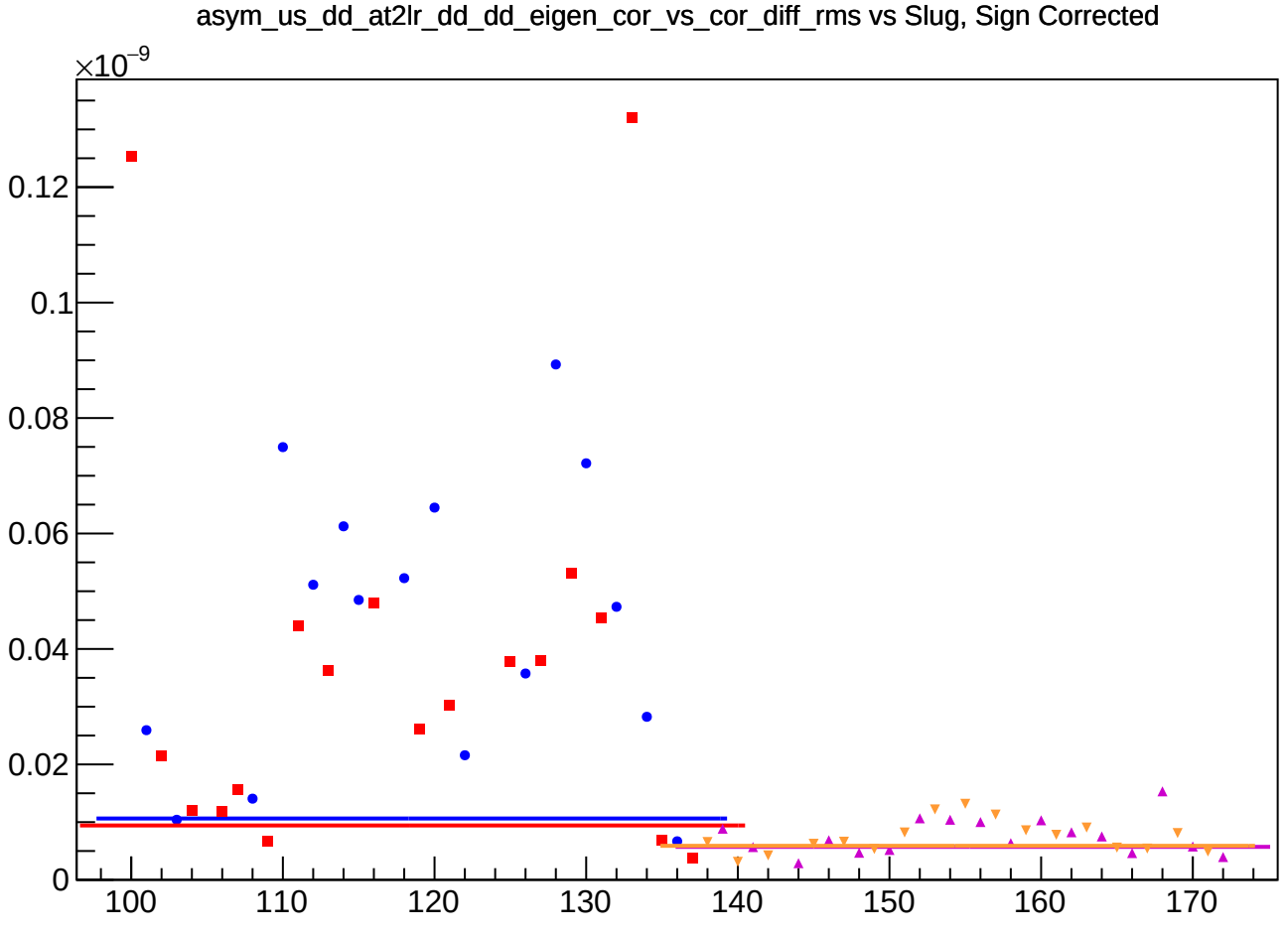
Left: -0.000+/-0.000 χ^2/NDF: 29.2/33

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:39.8/34

All: -0.000+/-0.000 χ^2/NDF: 72.0/67



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2339091.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

Left In: 0.000+/-0.000 χ^2/NDF:2857347.4/16

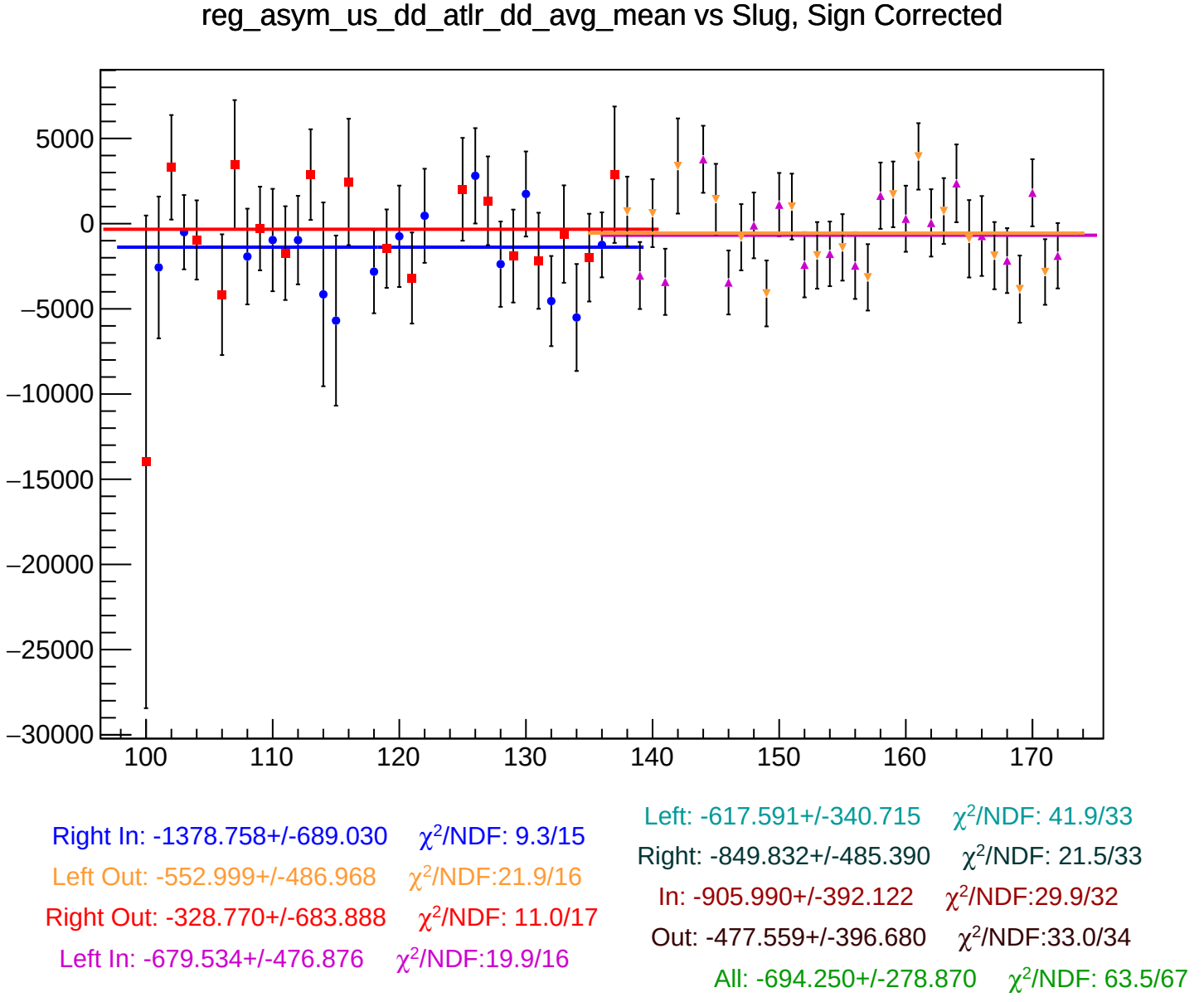
Left: 0.000+/-0.000 χ^2/NDF: 5204059.8/33

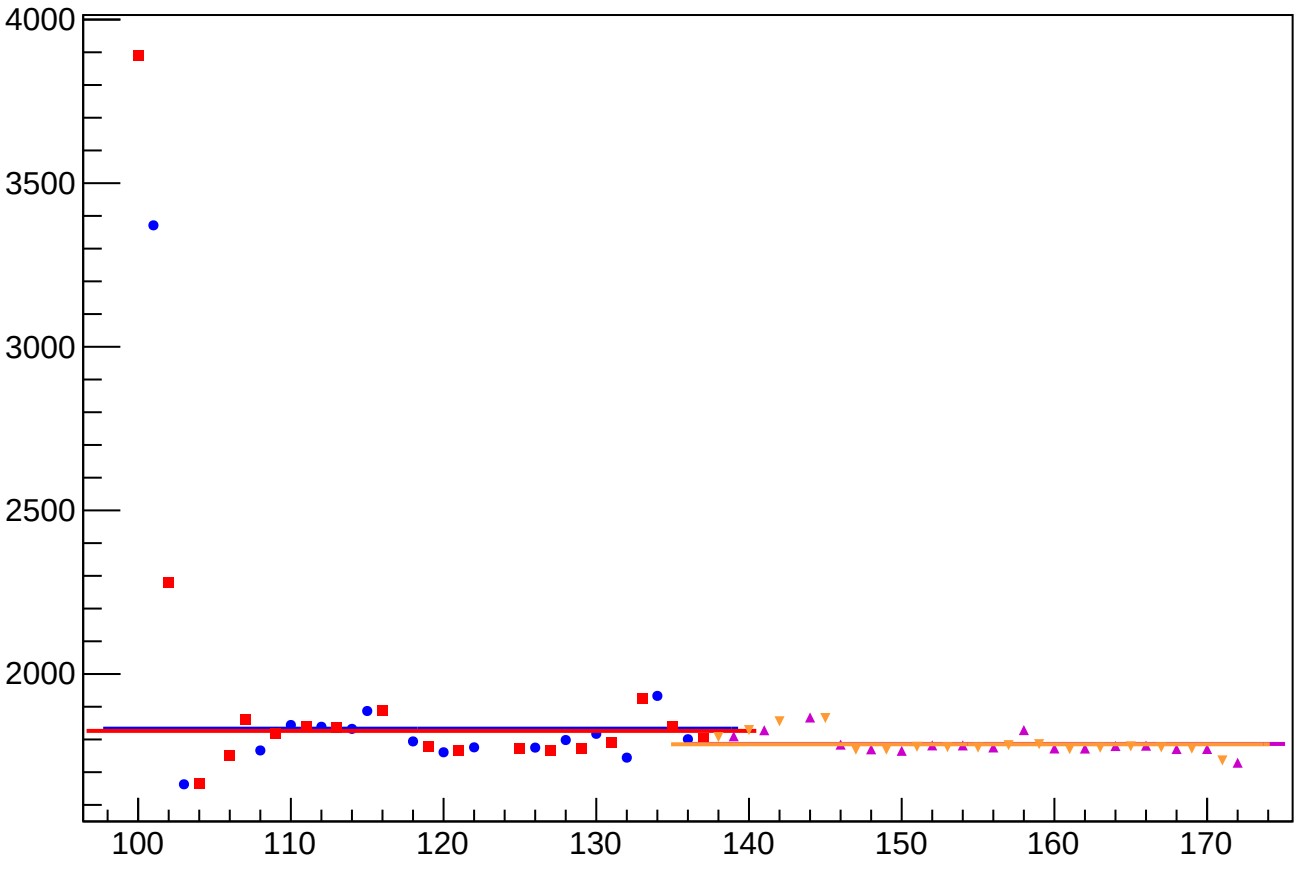
Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:8365162.7/32

Out: 0.000+/-0.000 χ^2/NDF:6908591.7/34

All: 0.000+/-0.000 χ^2/NDF: 15277860.9/67


reg_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: -1378.758+/-689.030 χ²/NDF: 9.3/15
Left Out: -552.999+/-486.968 χ²/NDF:21.9/16
Right Out: -328.770+/-683.888 χ²/NDF: 11.0/17
Left In: -679.534+/-476.876 χ²/NDF:19.9/16
Left: -617.591+/-340.715 χ²/NDF: 41.9/33
Right: -849.832+/-485.390 χ²/NDF: 21.5/33
In: -905.990+/-392.122 χ²/NDF:29.9/32
Out: -477.559+/-396.680 χ²/NDF:33.0/34
All: -694.250+/-278.870 χ²/NDF: 63.5/67



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1785.270+/-0.344 χ^2/NDF:7512.0/16

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1786.290+/-0.337 χ^2/NDF:8292.4/16

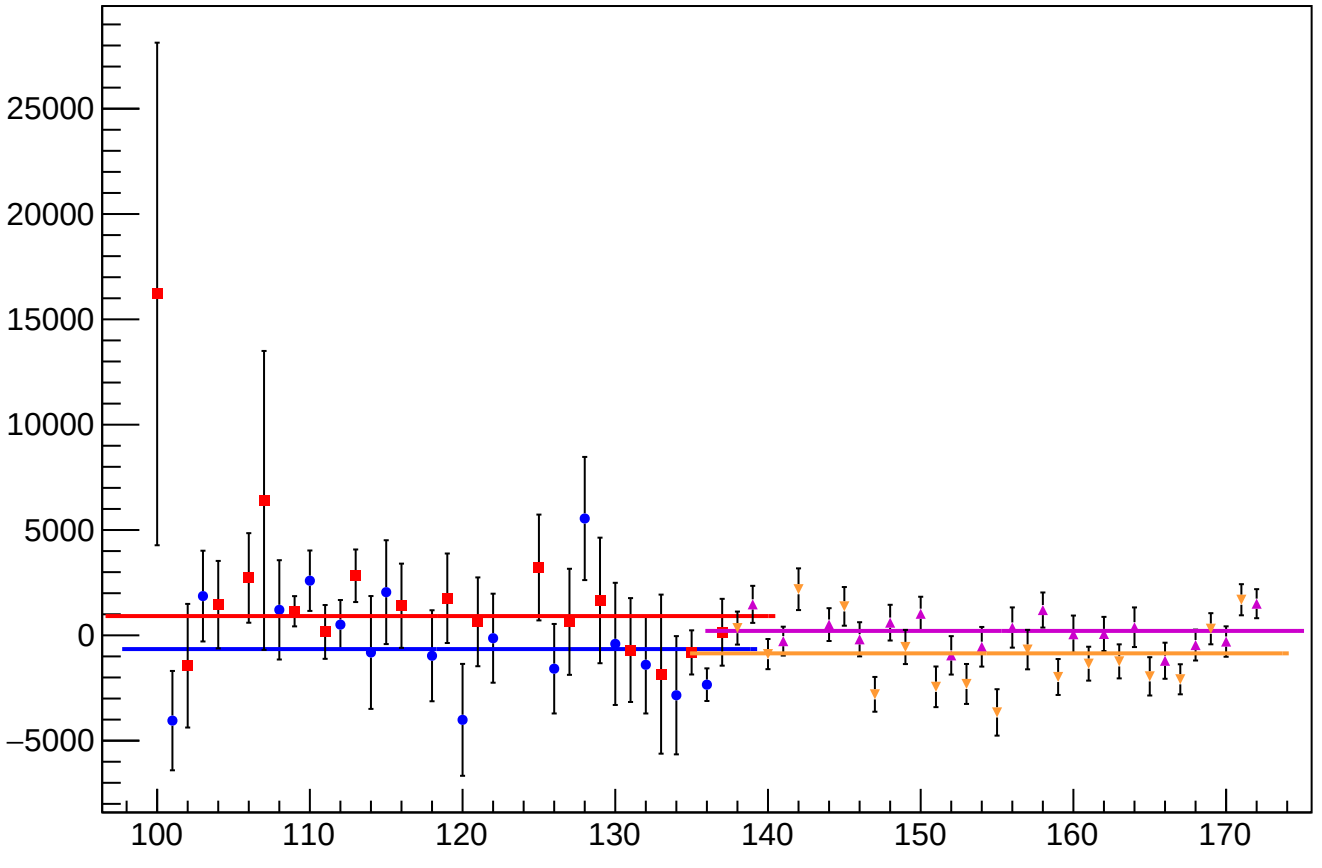
Left: 1785.790+/-0.241 χ^2/NDF: 15808.8/33

Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1801.401+/-0.277 χ^2/NDF:309932.1/32

Out: 1799.043+/-0.280 χ^2/NDF:115274.1/34

All: 1800.235+/-0.197 χ^2/NDF: 425241.9/67



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -855.099+/-203.228 χ^2/NDF:56.1/16

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: -308.074+/-141.753 χ^2/NDF: 85.7/33

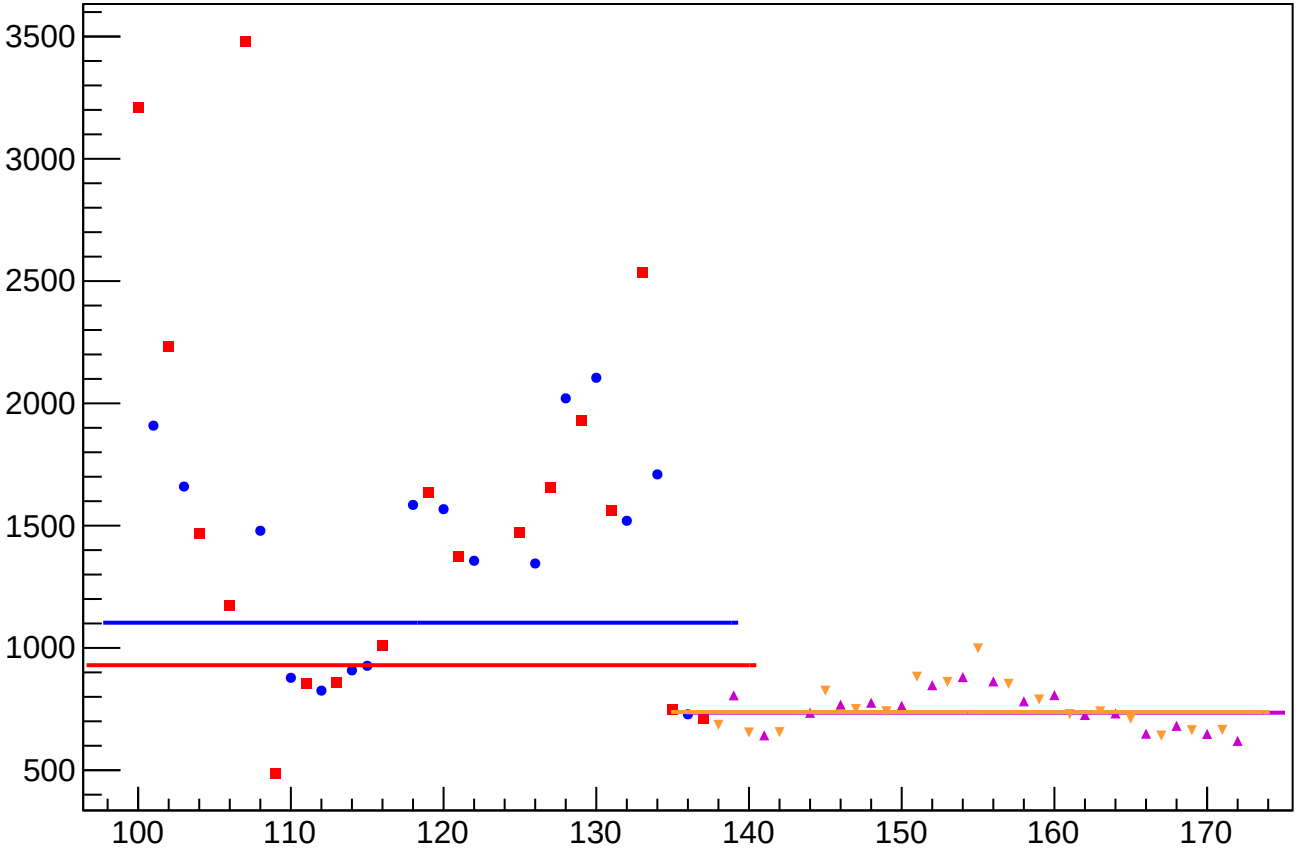
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: 66.418+/-180.570 χ^2/NDF:41.9/32

Out: -482.314+/-180.561 χ^2/NDF:83.6/34

All: -207.962+/-127.679 χ^2/NDF: 130.1/67

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1103.183+/-0.313 χ^2/NDF: 1878176.1/15

Left Out: 737.939+/-0.144 χ^2/NDF:374540.2/16

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 735.267+/-0.140 χ^2/NDF:309522.6/16

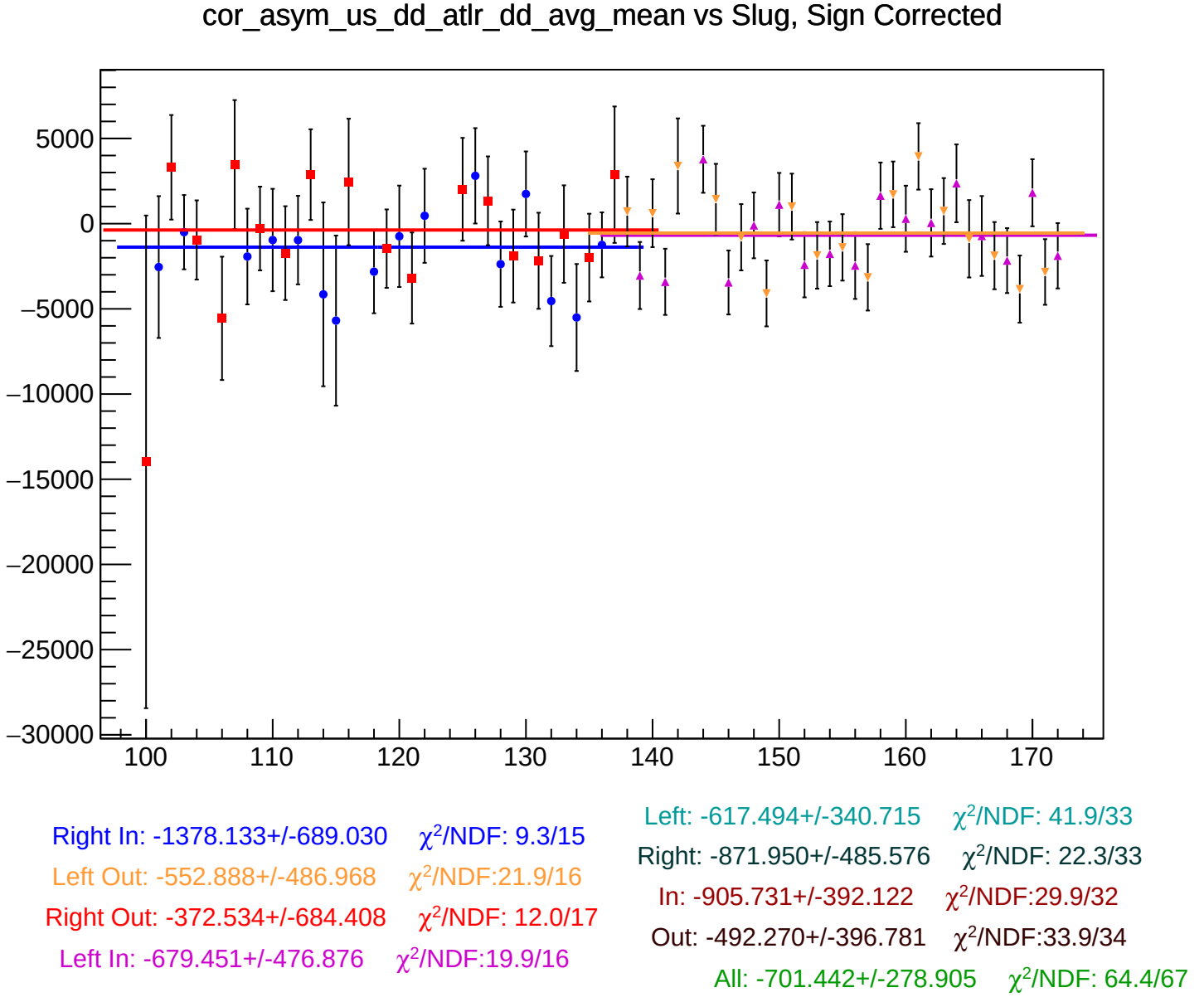
Left: 736.567+/-0.100 χ^2/NDF: 684240.3/33

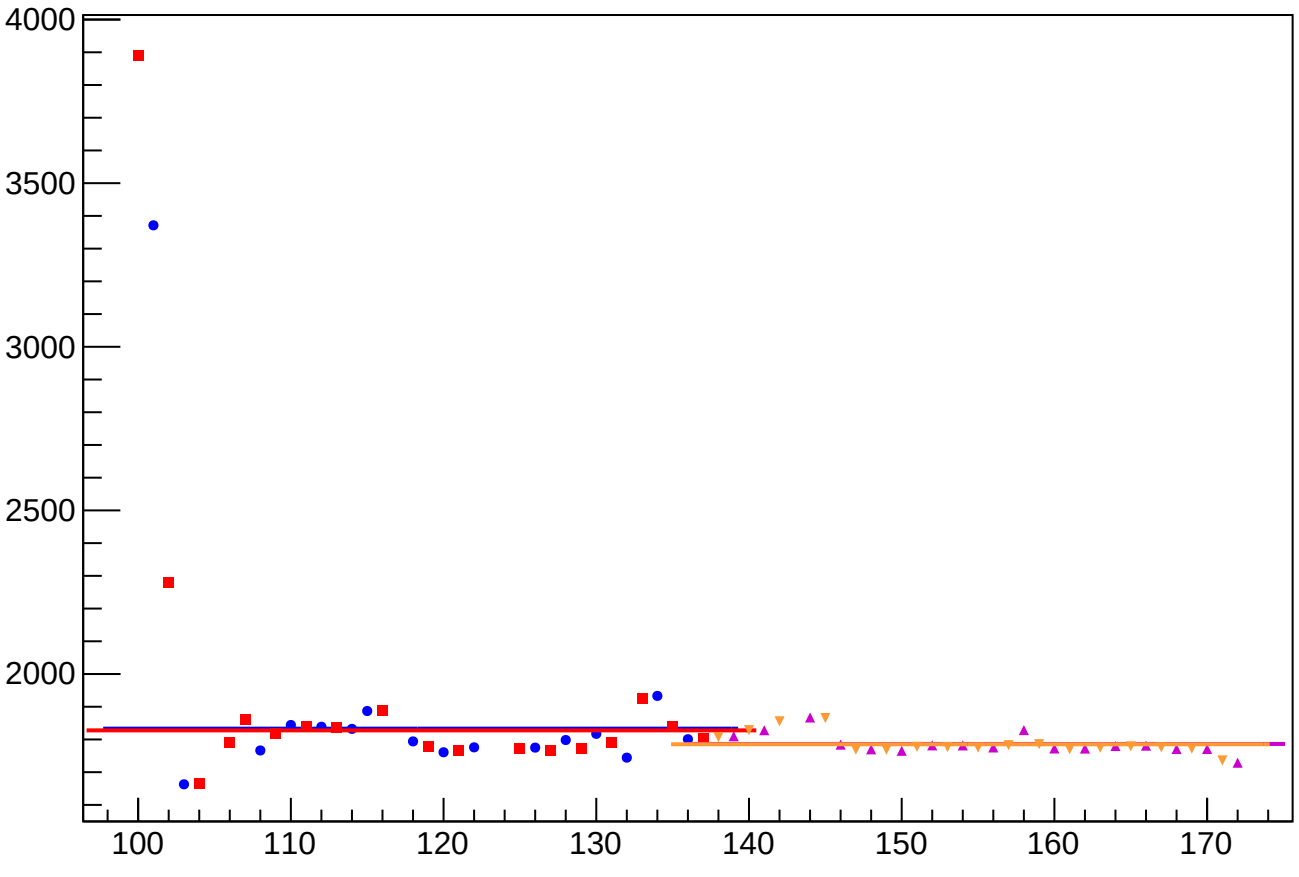
Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 796.633+/-0.128 χ^2/NDF:3341608.2/32

Out: 778.258+/-0.128 χ^2/NDF:3802359.7/34

All: 787.445+/-0.090 χ^2/NDF: 7154323.5/67


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: -552.888+/-486.968 χ²/NDF:21.9/16
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -679.451+/-476.876 χ²/NDF:19.9/16
Left: -617.494+/-340.715 χ²/NDF: 41.9/33
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -905.731+/-392.122 χ²/NDF:29.9/32
Out: -492.270+/-396.781 χ²/NDF:33.9/34
All: -701.442+/-278.905 χ²/NDF: 64.4/67



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1785.270+/-0.344 χ^2/NDF:7512.0/16

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1786.290+/-0.337 χ^2/NDF:8292.4/16

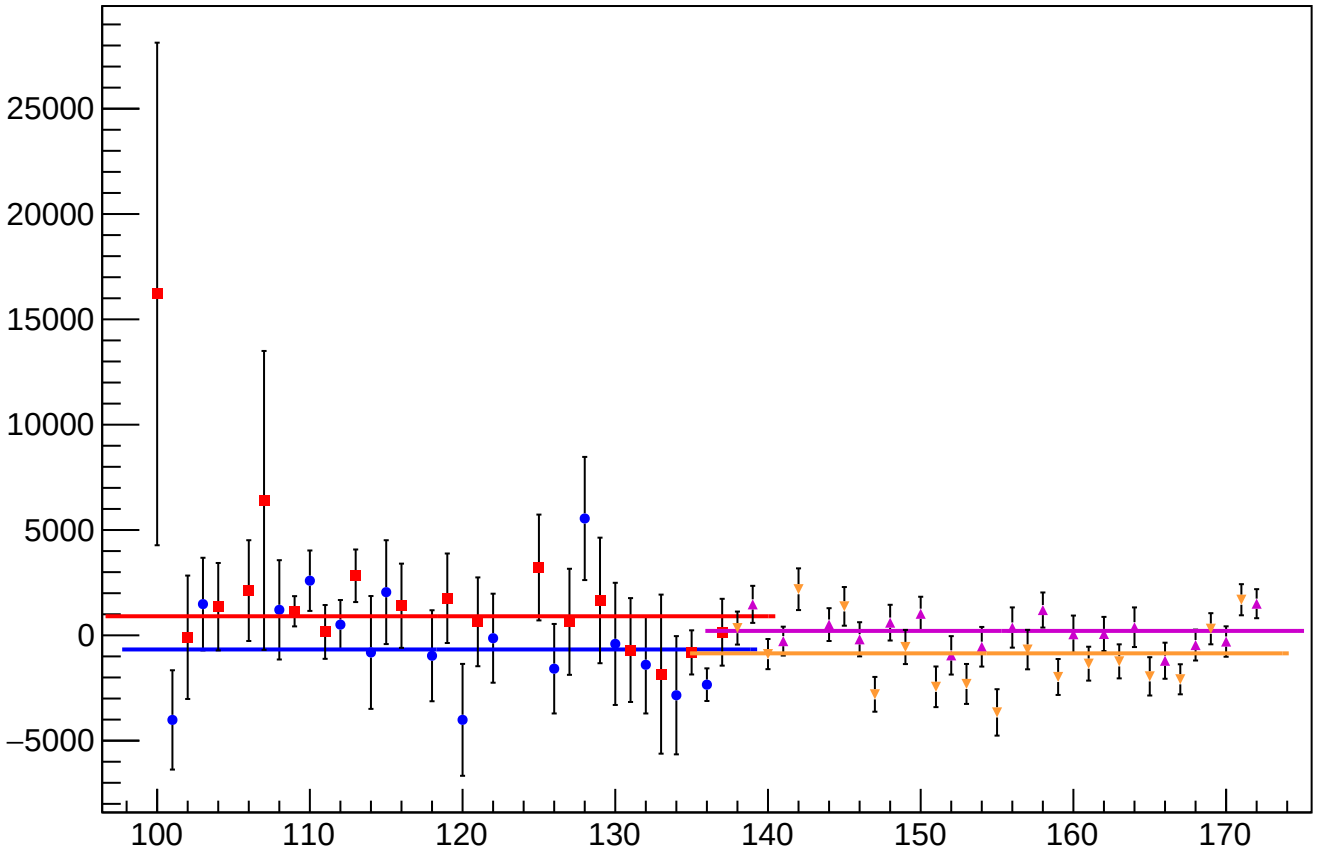
Left: 1785.790+/-0.241 χ^2/NDF: 15808.8/33

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1801.401+/-0.277 χ^2/NDF:309934.0/32

Out: 1799.559+/-0.281 χ^2/NDF:114906.1/34

All: 1800.491+/-0.197 χ^2/NDF: 424861.8/67



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -855.123+/-203.230 χ^2/NDF:56.1/16

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: -308.124+/-141.754 χ^2/NDF: 85.7/33

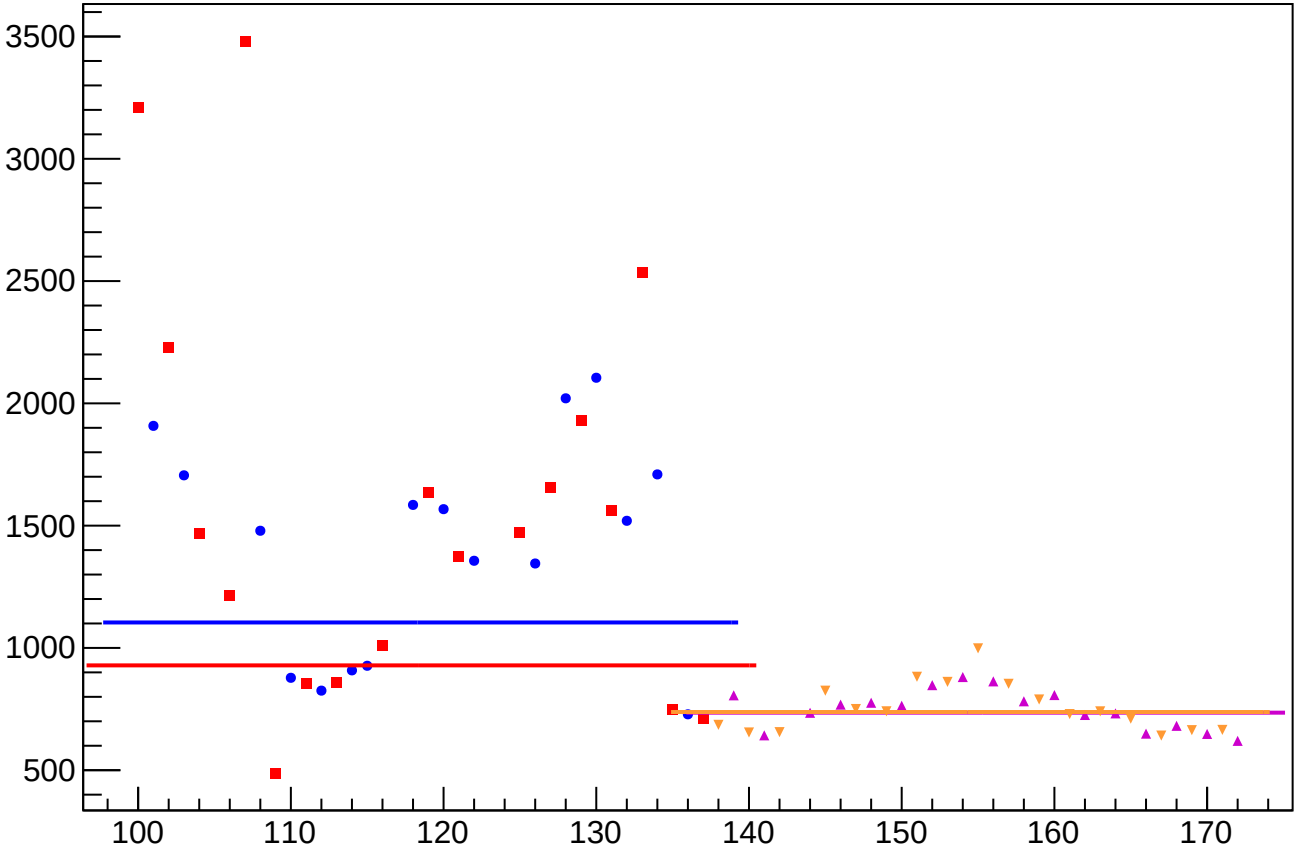
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 63.452+/-180.595 χ^2/NDF:41.6/32

Out: -486.257+/-180.696 χ^2/NDF:82.3/34

All: -211.249+/-127.736 χ^2/NDF: 128.6/67

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 737.945+/-0.144 χ^2/NDF:374505.1/16

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 735.267+/-0.140 χ^2/NDF:309598.2/16

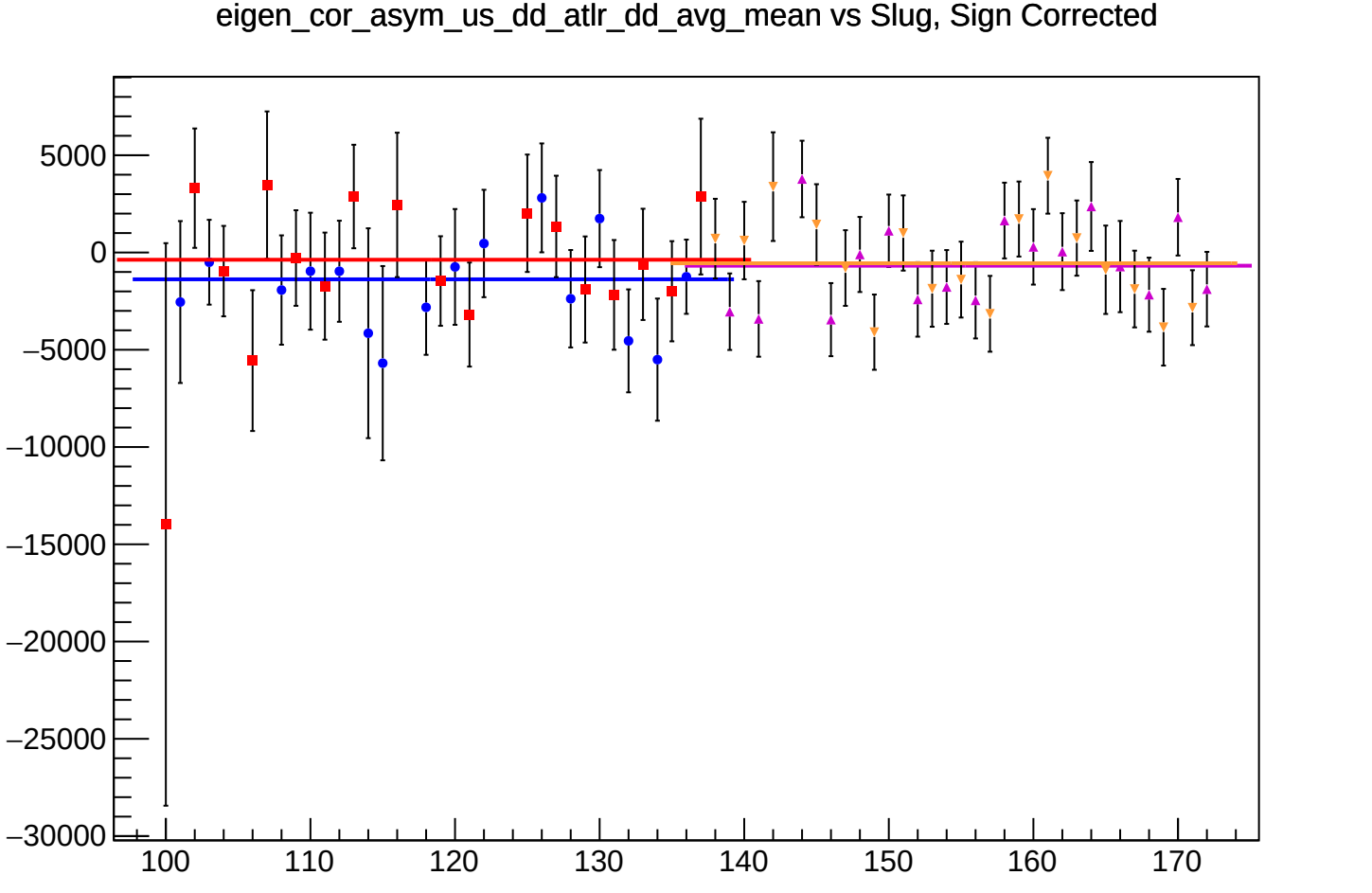
Left: 736.570+/-0.100 χ^2/NDF: 684281.6/33

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 796.701+/-0.128 χ^2/NDF:3362145.3/32

Out: 777.887+/-0.128 χ^2/NDF:3797688.1/34

All: 787.299+/-0.090 χ^2/NDF: 7170680.6/67



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -552.888+/-486.968 χ^2/NDF:21.9/16

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -679.451+/-476.876 χ^2/NDF:19.9/16

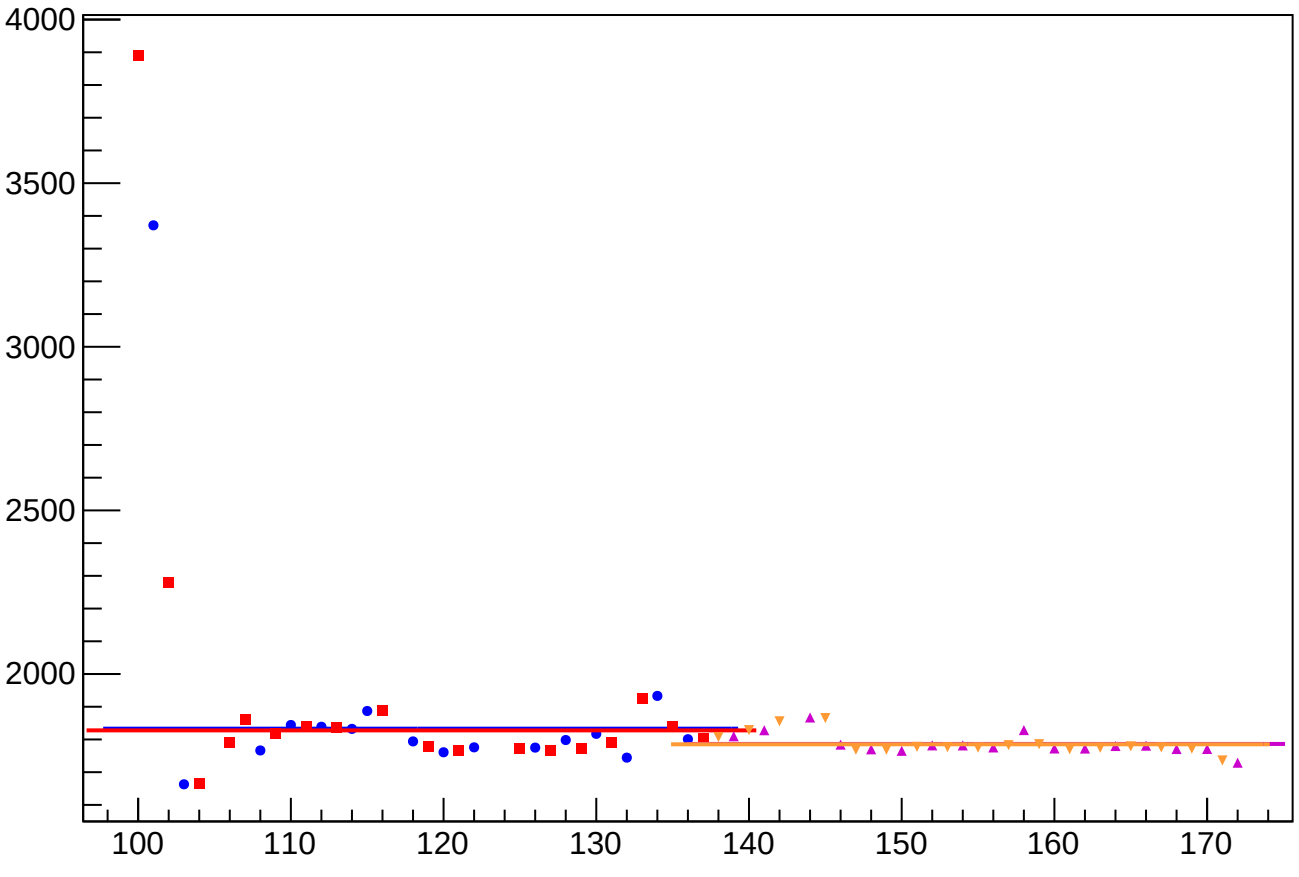
Left: -617.494+/-340.715 χ^2/NDF: 41.9/33

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -905.731+/-392.122 χ^2/NDF:29.9/32

Out: -492.270+/-396.781 χ^2/NDF:33.9/34

All: -701.442+/-278.905 χ^2/NDF: 64.4/67



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1785.270+/-0.344 χ^2/NDF:7512.0/16

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1786.290+/-0.337 χ^2/NDF:8292.4/16

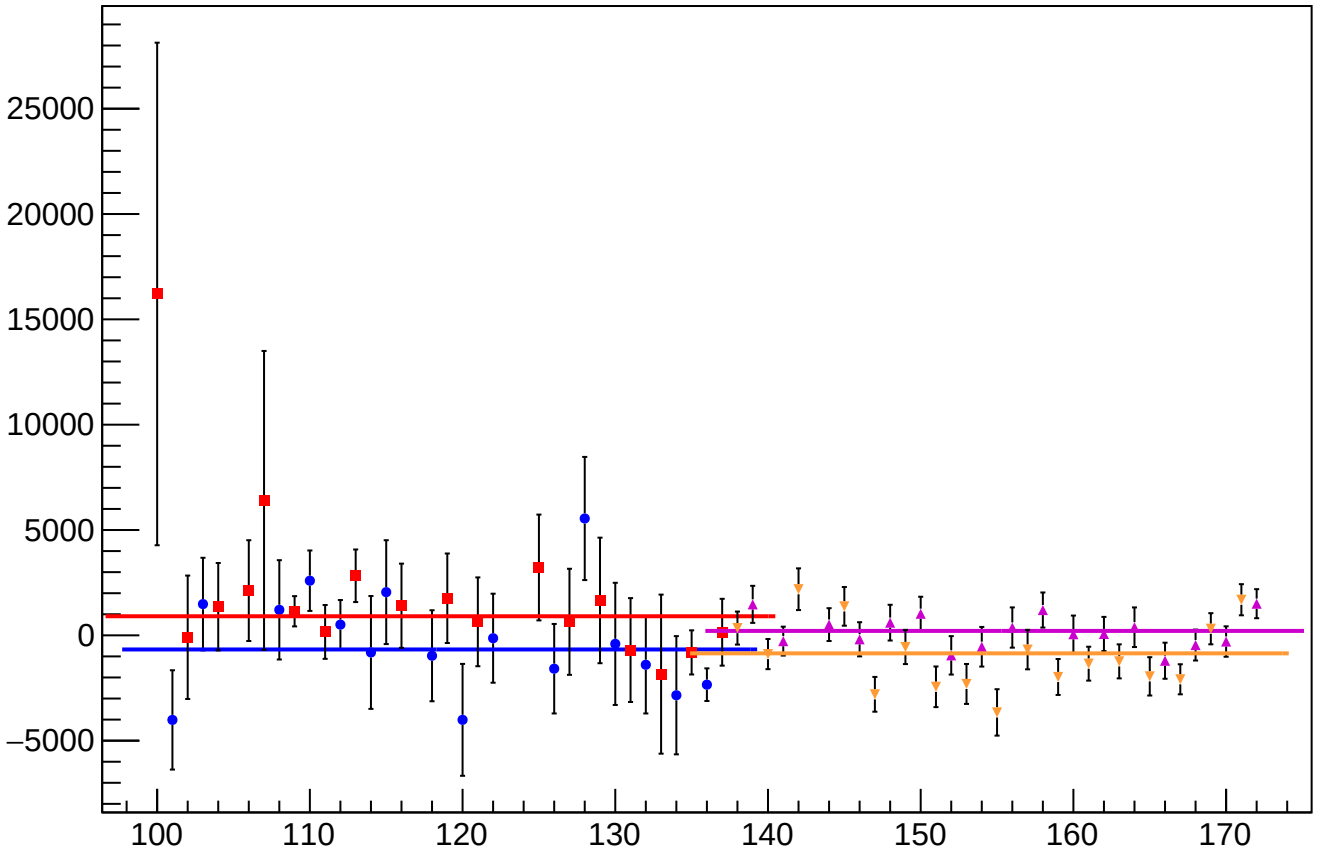
Left: 1785.790+/-0.241 χ^2/NDF: 15808.8/33

Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1801.401+/-0.277 χ^2/NDF:309934.0/32

Out: 1799.559+/-0.281 χ^2/NDF:114906.1/34

All: 1800.491+/-0.197 χ^2/NDF: 424861.8/67



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -855.123+/-203.230 χ^2/NDF:56.1/16

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: -308.124+/-141.754 χ^2/NDF: 85.7/33

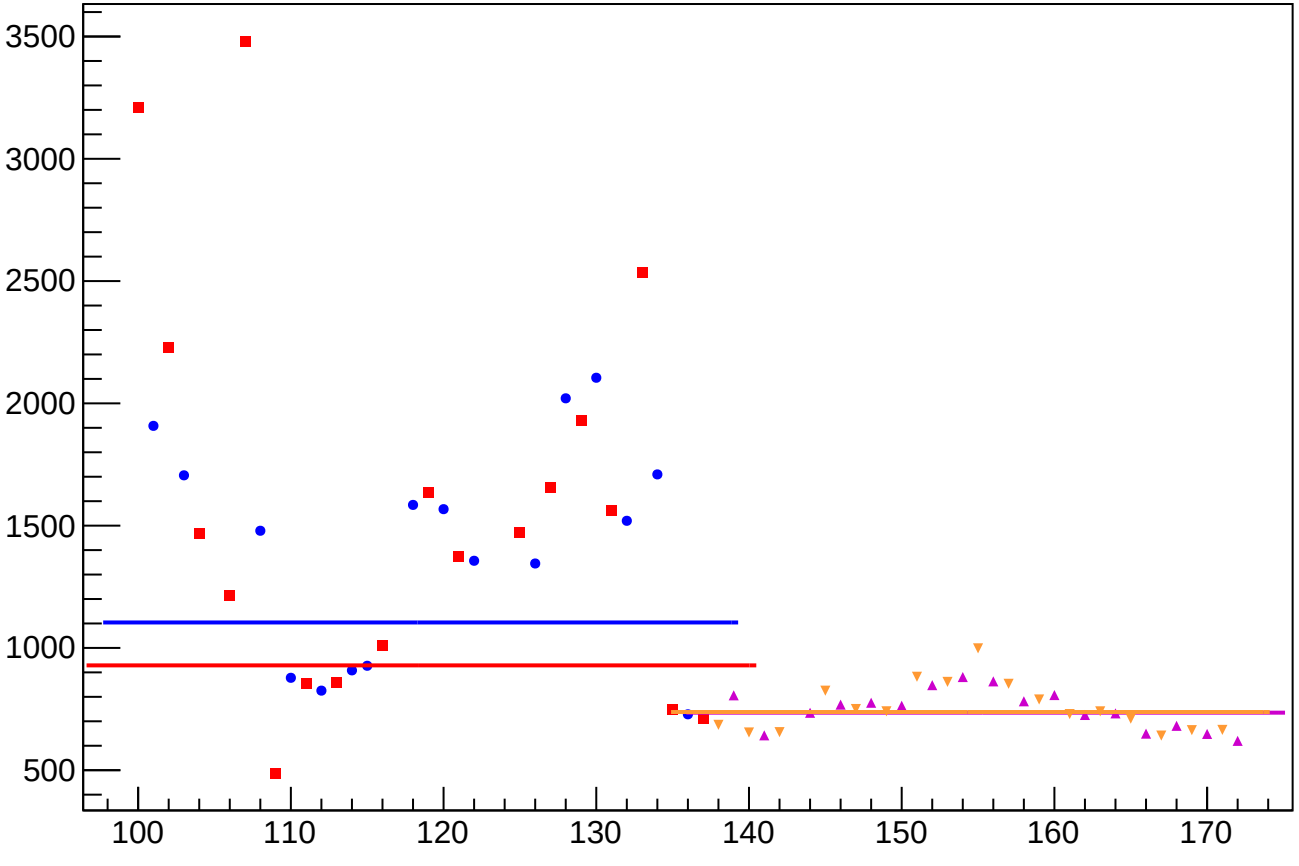
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 63.452+/-180.595 χ^2/NDF:41.6/32

Out: -486.257+/-180.696 χ^2/NDF:82.3/34

All: -211.249+/-127.736 χ^2/NDF: 128.6/67

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 737.945+/-0.144 χ^2/NDF:374505.1/16

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 735.267+/-0.140 χ^2/NDF:309598.2/16

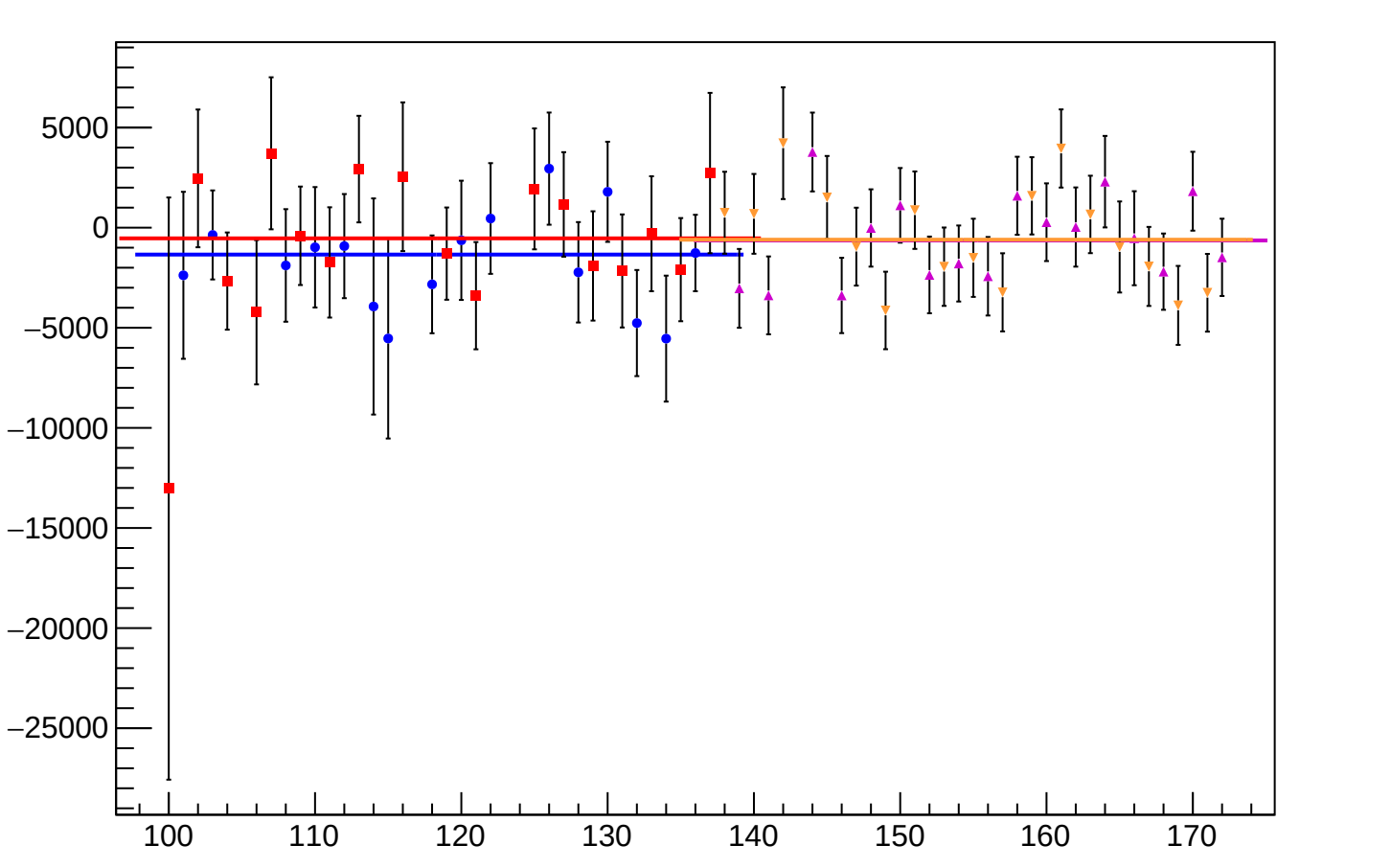
Left: 736.570+/-0.100 χ^2/NDF: 684281.6/33

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 796.701+/-0.128 χ^2/NDF:3362145.3/32

Out: 777.887+/-0.128 χ^2/NDF:3797688.1/34

All: 787.299+/-0.090 χ^2/NDF: 7170680.6/67



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -601.496+/-487.512 χ^2/NDF:23.6/16

Right Out: -534.194+/-690.970 χ^2/NDF: 11.1/17

Left In: -638.955+/-477.381 χ^2/NDF:19.4/16

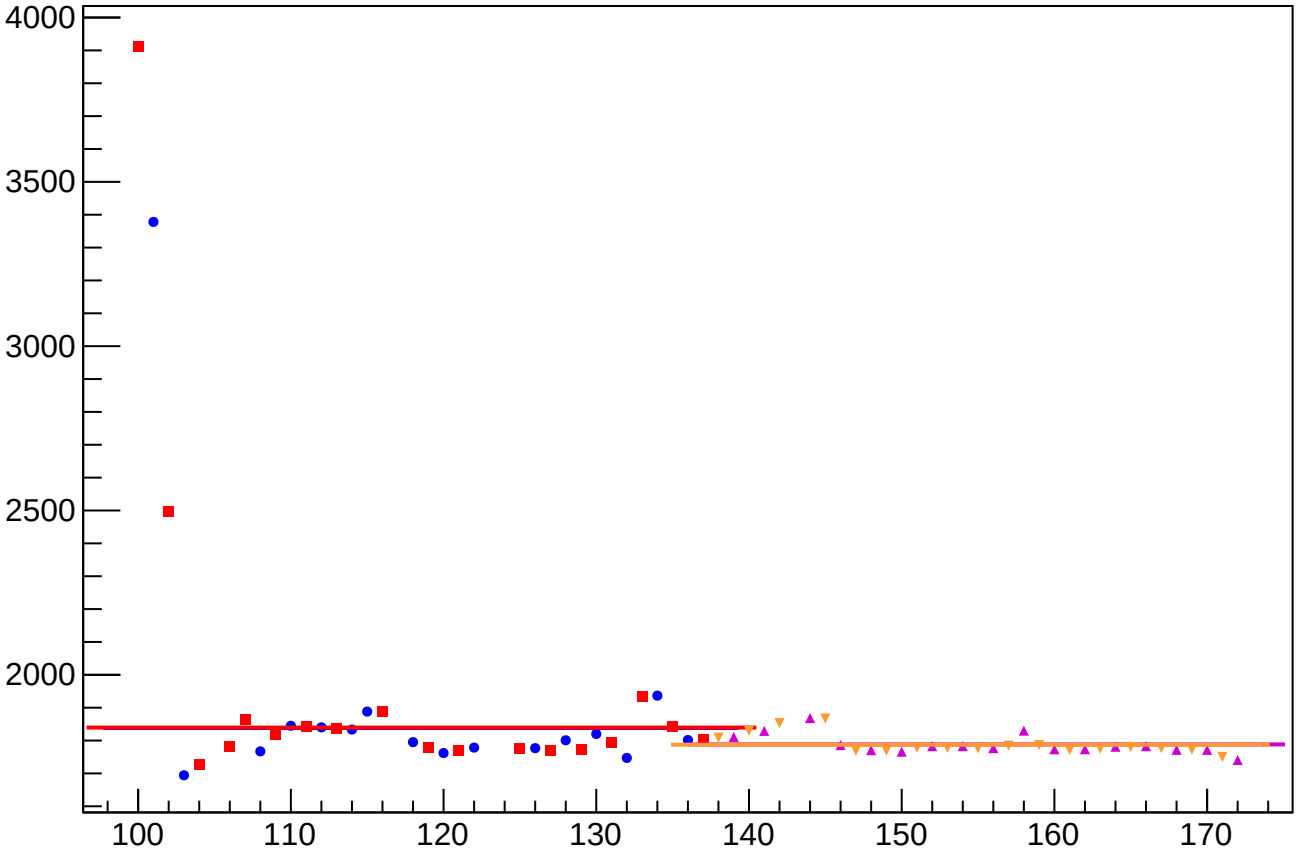
Left: -620.619+/-341.085 χ^2/NDF: 43.0/33

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -866.753+/-392.755 χ^2/NDF:29.7/32

Out: -579.128+/-398.345 χ^2/NDF:34.7/34

All: -724.973+/-279.675 χ^2/NDF: 64.7/67



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1787.279+/-0.345 χ^2/NDF:6792.9/16

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1788.196+/-0.338 χ^2/NDF:7712.8/16

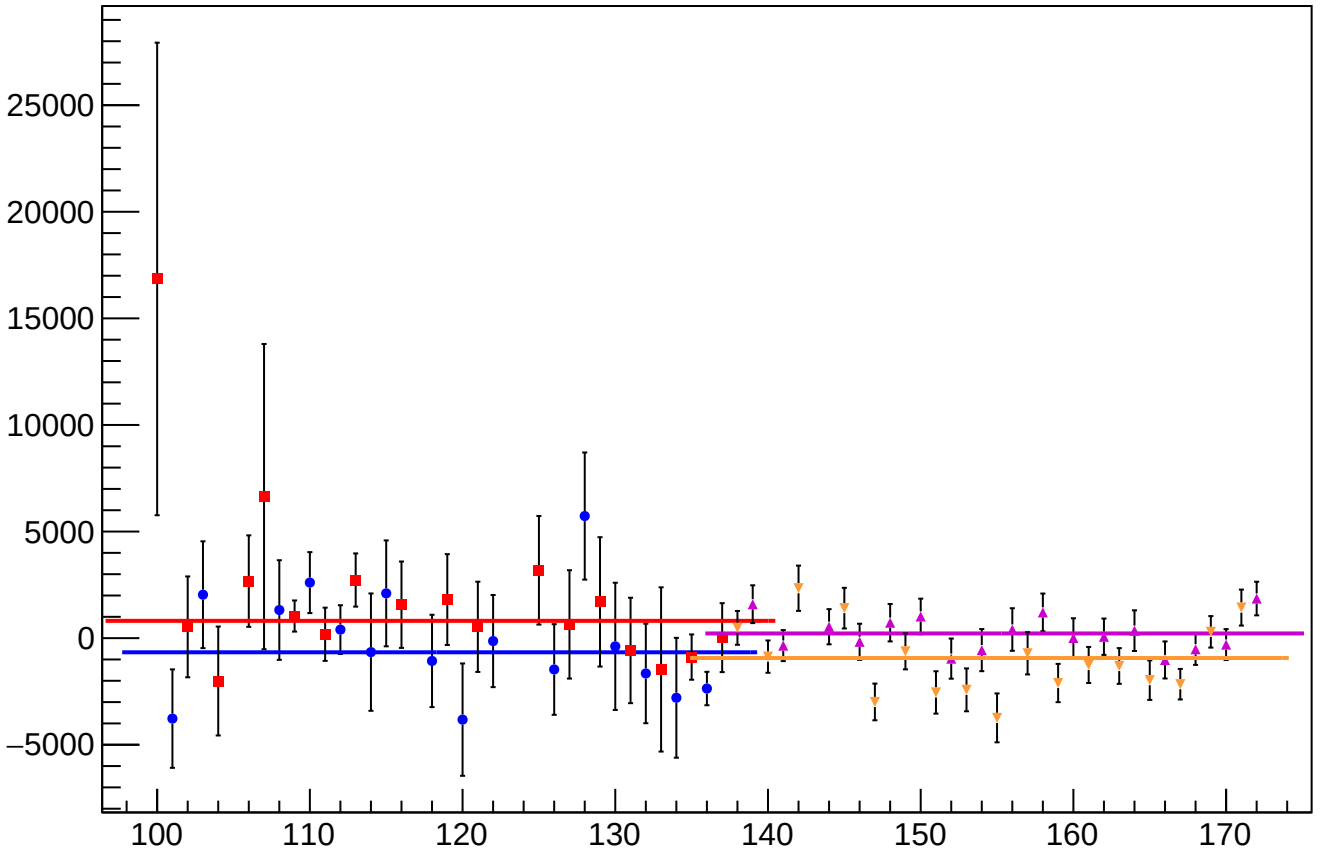
Left: 1787.747+/-0.241 χ^2/NDF: 14509.3/33

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1804.340+/-0.278 χ^2/NDF:306775.6/32

Out: 1804.640+/-0.282 χ^2/NDF:142678.5/34

All: 1804.488+/-0.198 χ^2/NDF: 449454.7/67



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -931.925+/-211.935 χ^2/NDF:52.3/16

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: -339.883+/-147.789 χ^2/NDF: 83.6/33

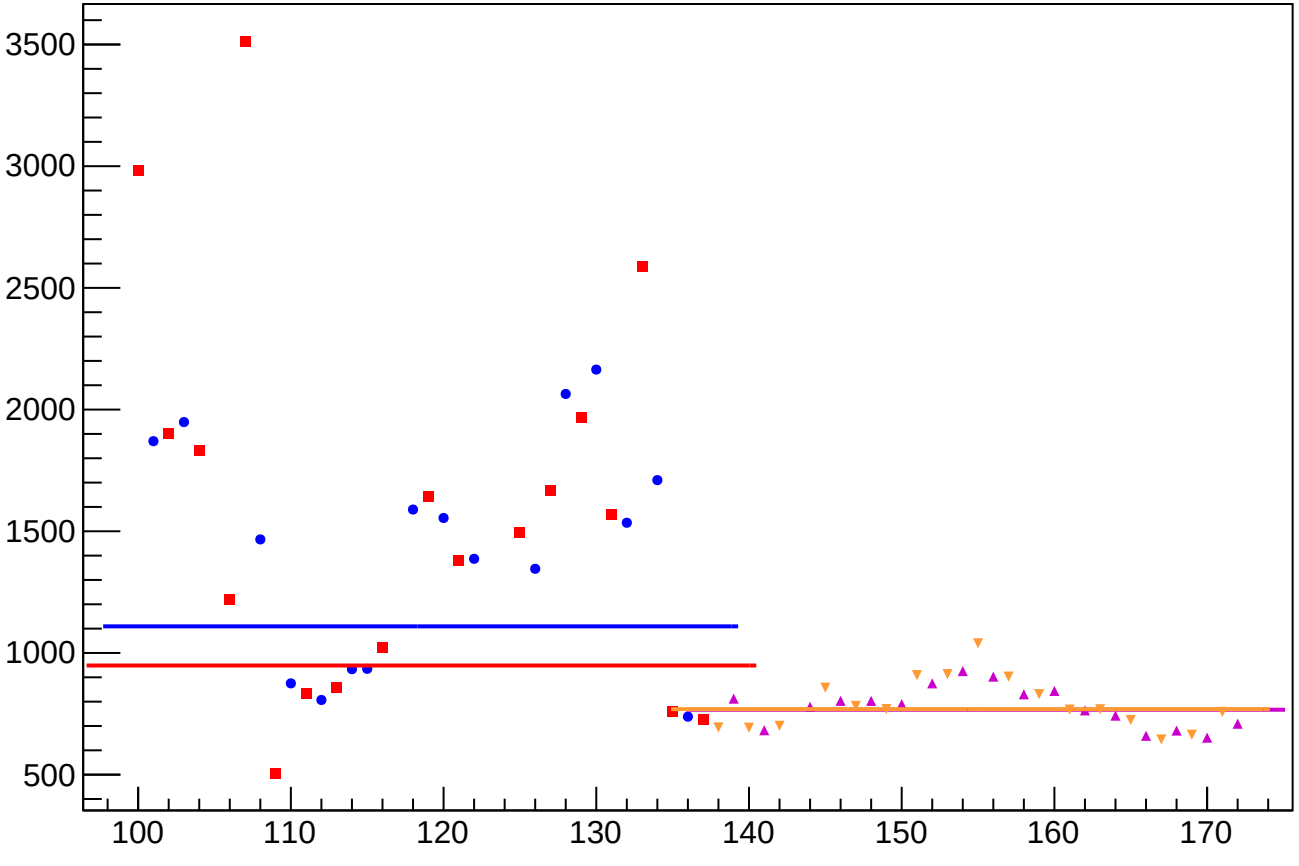
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: 64.790+/-187.153 χ^2/NDF:42.1/32

Out: -545.397+/-186.981 χ^2/NDF:79.6/34

All: -240.583+/-132.276 χ^2/NDF: 127.0/67

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: 769.140+/-0.150 χ^2/NDF:407384.2/16

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 766.768+/-0.146 χ^2/NDF:300143.1/16

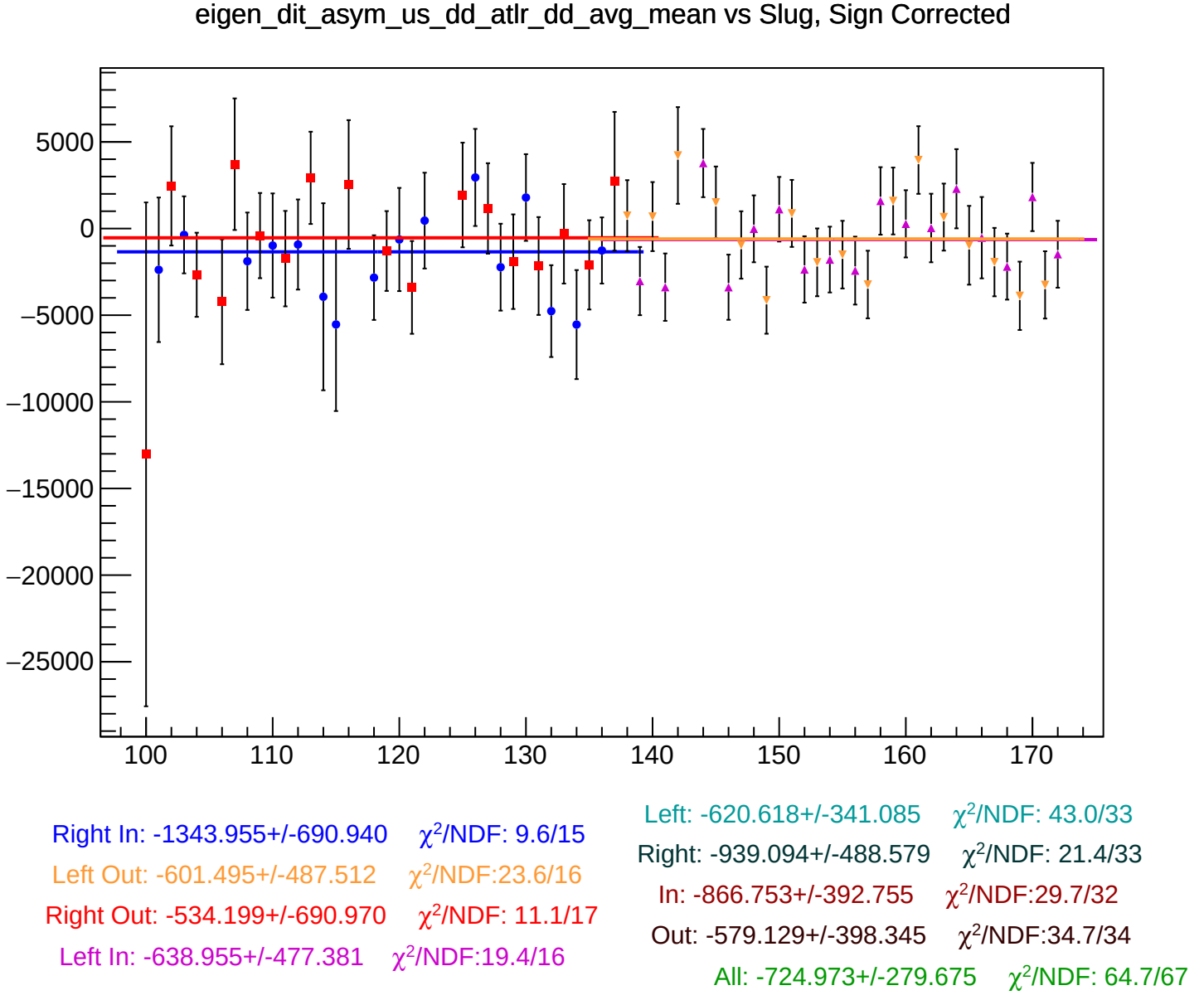
Left: 767.921+/-0.105 χ^2/NDF: 707656.0/33

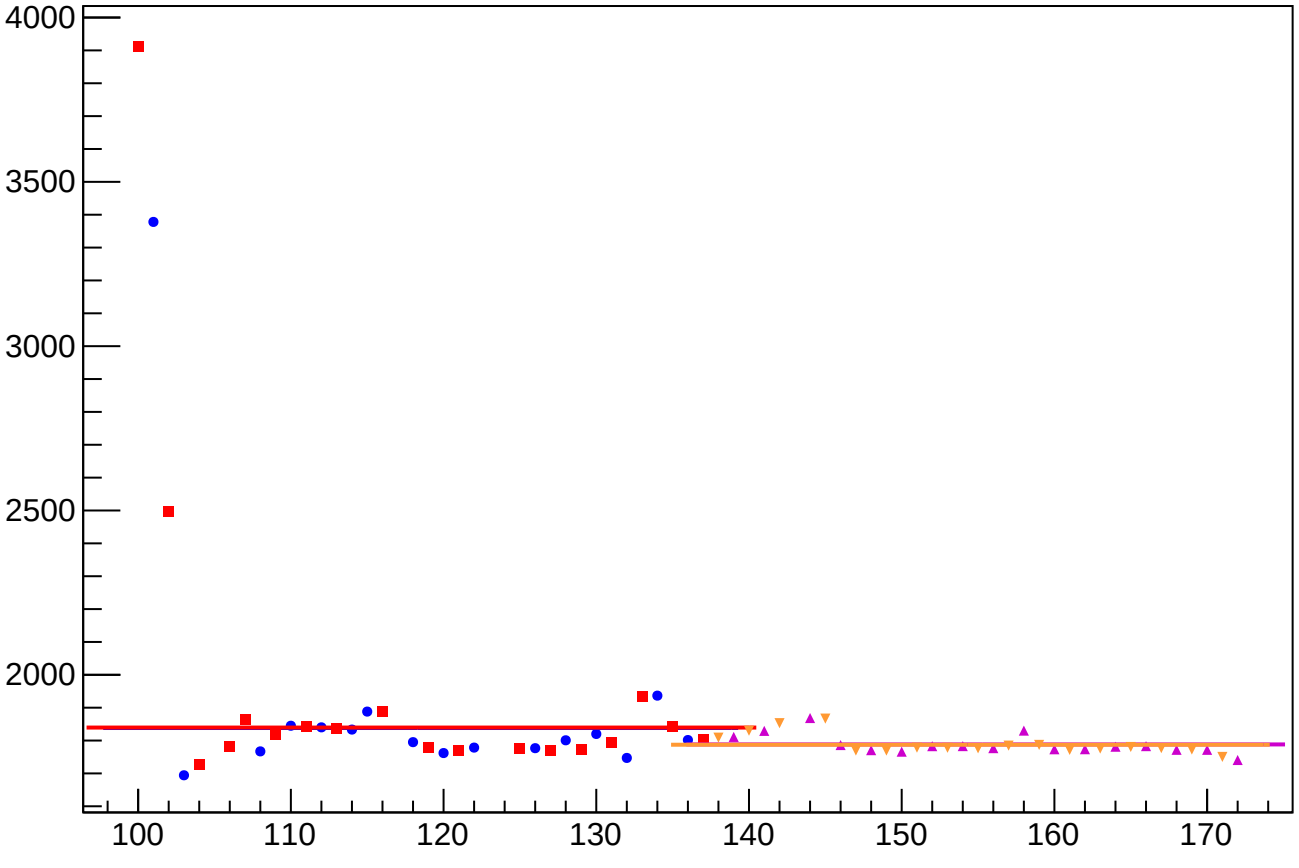
Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 827.119+/-0.132 χ^2/NDF:3246143.2/32

Out: 808.876+/-0.132 χ^2/NDF:3778290.3/34

All: 817.989+/-0.094 χ^2/NDF: 7033944.1/67


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: -601.495+/-487.512 χ²/NDF:23.6/16
Right Out: -534.199+/-690.970 χ²/NDF: 11.1/17
Left In: -638.955+/-477.381 χ²/NDF:19.4/16
Left: -620.618+/-341.085 χ²/NDF: 43.0/33
Right: -939.094+/-488.579 χ²/NDF: 21.4/33
In: -866.753+/-392.755 χ²/NDF:29.7/32
Out: -579.129+/-398.345 χ²/NDF:34.7/34
All: -724.973+/-279.675 χ²/NDF: 64.7/67



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1787.279+/-0.345 χ^2/NDF:6792.9/16

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: 1787.747+/-0.241 χ^2/NDF: 14509.3/33

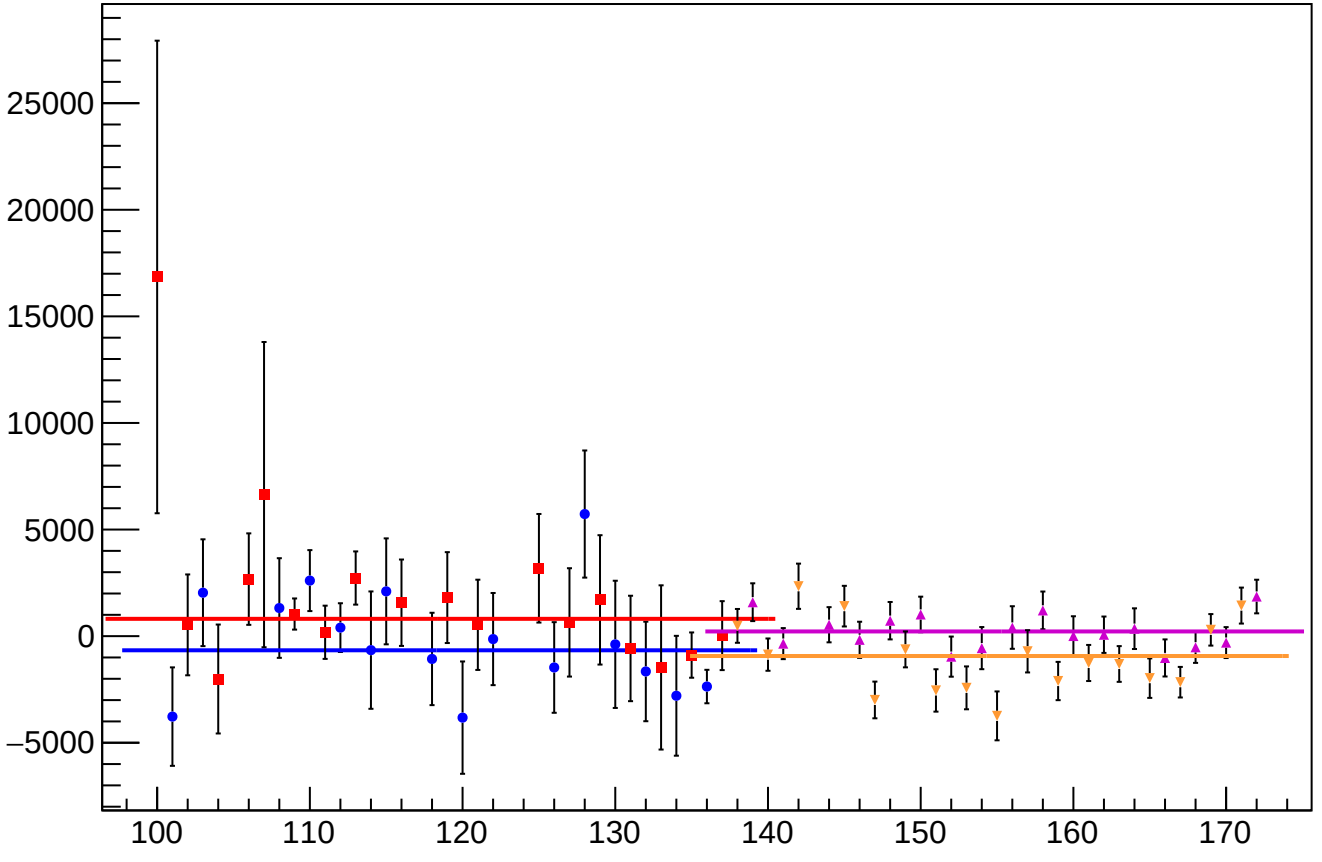
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1804.340+/-0.278 χ^2/NDF:306775.6/32

Out: 1804.640+/-0.282 χ^2/NDF:142678.6/34

All: 1804.488+/-0.198 χ^2/NDF: 449454.8/67

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: -931.928+/-211.935 χ^2/NDF:52.3/16

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: -339.885+/-147.789 χ^2/NDF: 83.6/33

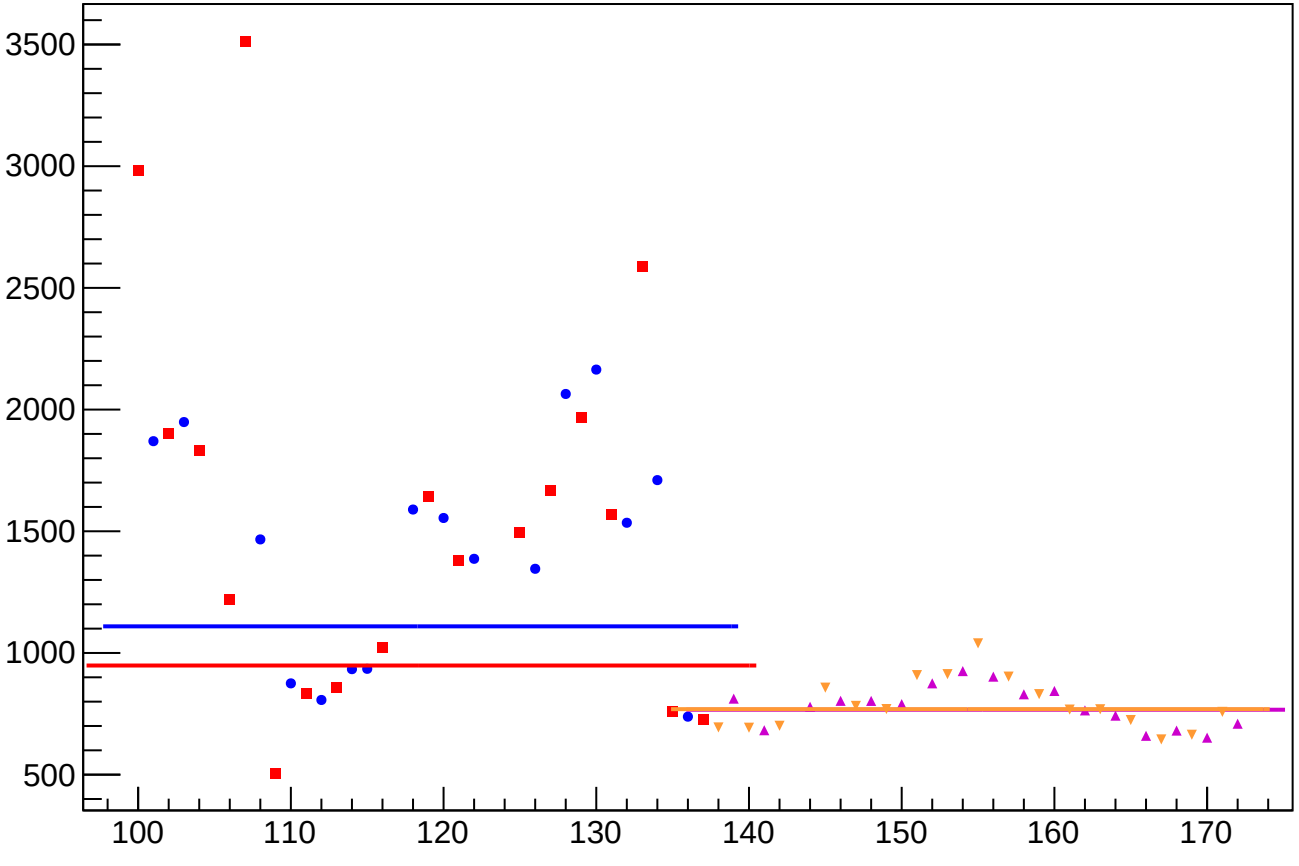
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: 64.790+/-187.153 χ^2/NDF:42.1/32

Out: -545.398+/-186.981 χ^2/NDF:79.6/34

All: -240.583+/-132.276 χ^2/NDF: 127.0/67

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: 769.141+/-0.150 χ^2/NDF:407376.3/16

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 766.767+/-0.146 χ^2/NDF:300151.3/16

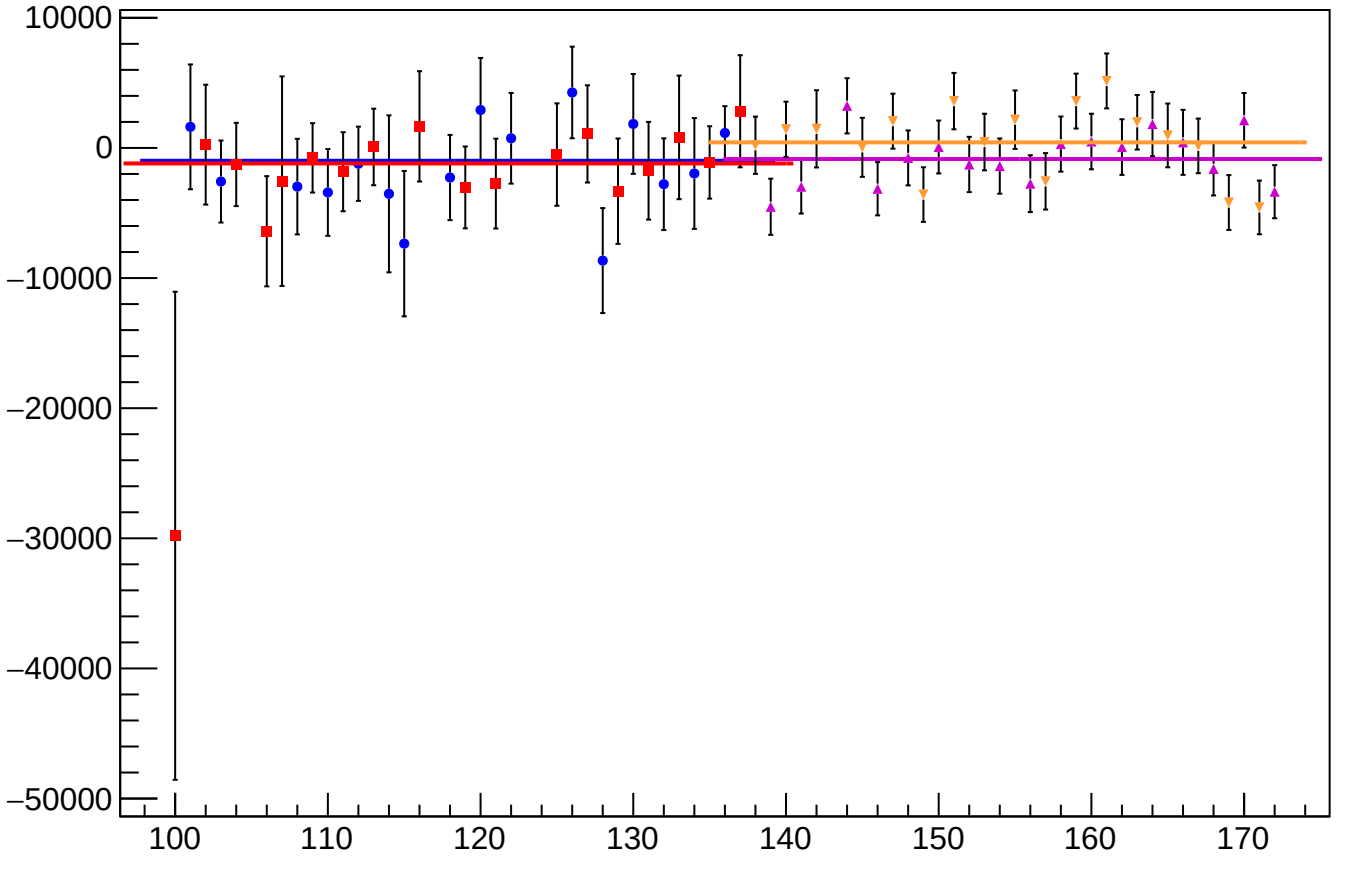
Left: 767.922+/-0.105 χ^2/NDF: 707656.5/33

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 827.120+/-0.132 χ^2/NDF:3246128.2/32

Out: 808.877+/-0.132 χ^2/NDF:3778261.8/34

All: 817.990+/-0.094 χ^2/NDF: 7033899.7/67



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 428.360+/-530.537 χ^2/NDF:27.8/16

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: -226.894+/-370.756 χ^2/NDF: 46.8/33

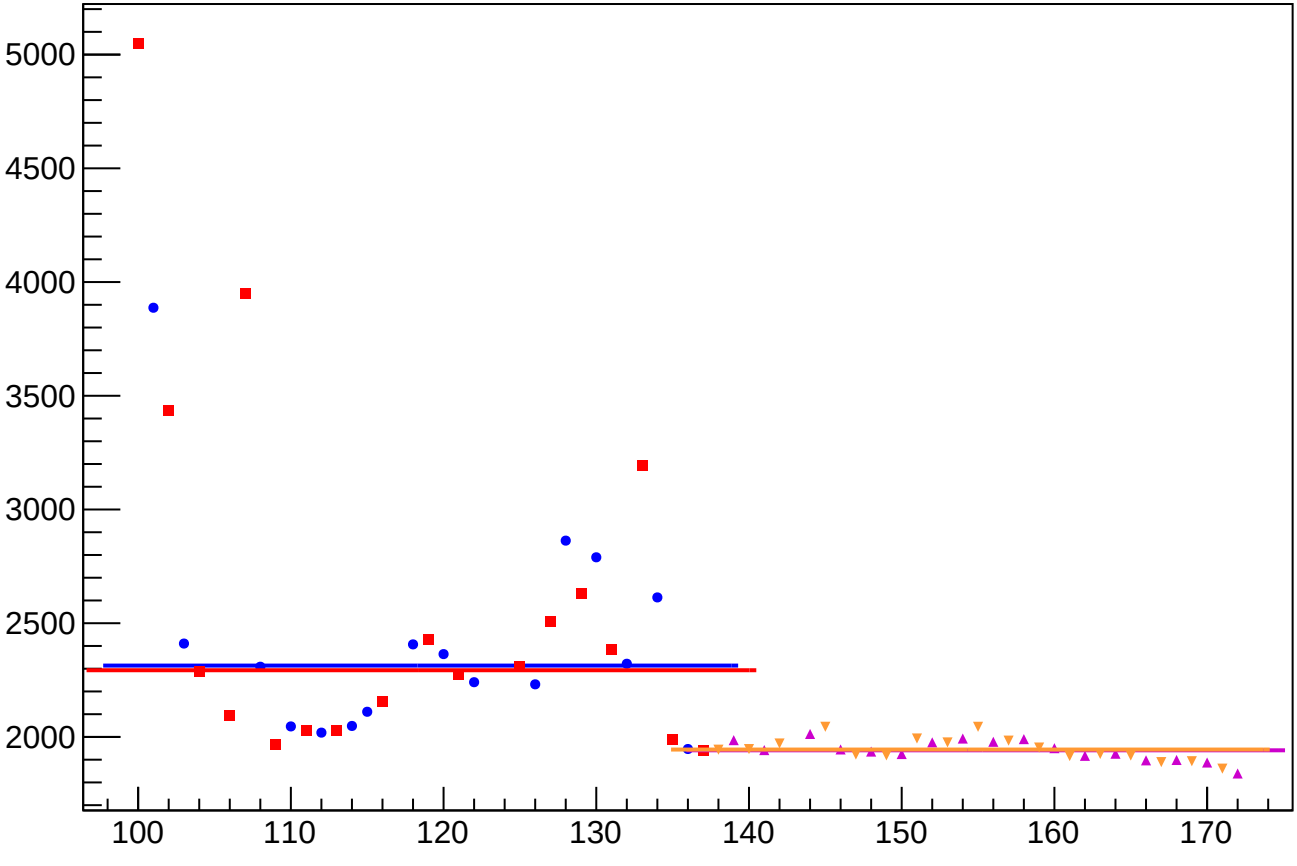
Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -887.531+/-445.804 χ^2/NDF:28.0/32

Out: -10.598+/-453.020 χ^2/NDF:37.3/34

All: -456.104+/-317.752 χ^2/NDF: 67.2/67

asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1944.550+/-0.375 χ^2/NDF:17305.8/16

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1941.238+/-0.367 χ^2/NDF:14855.0/16

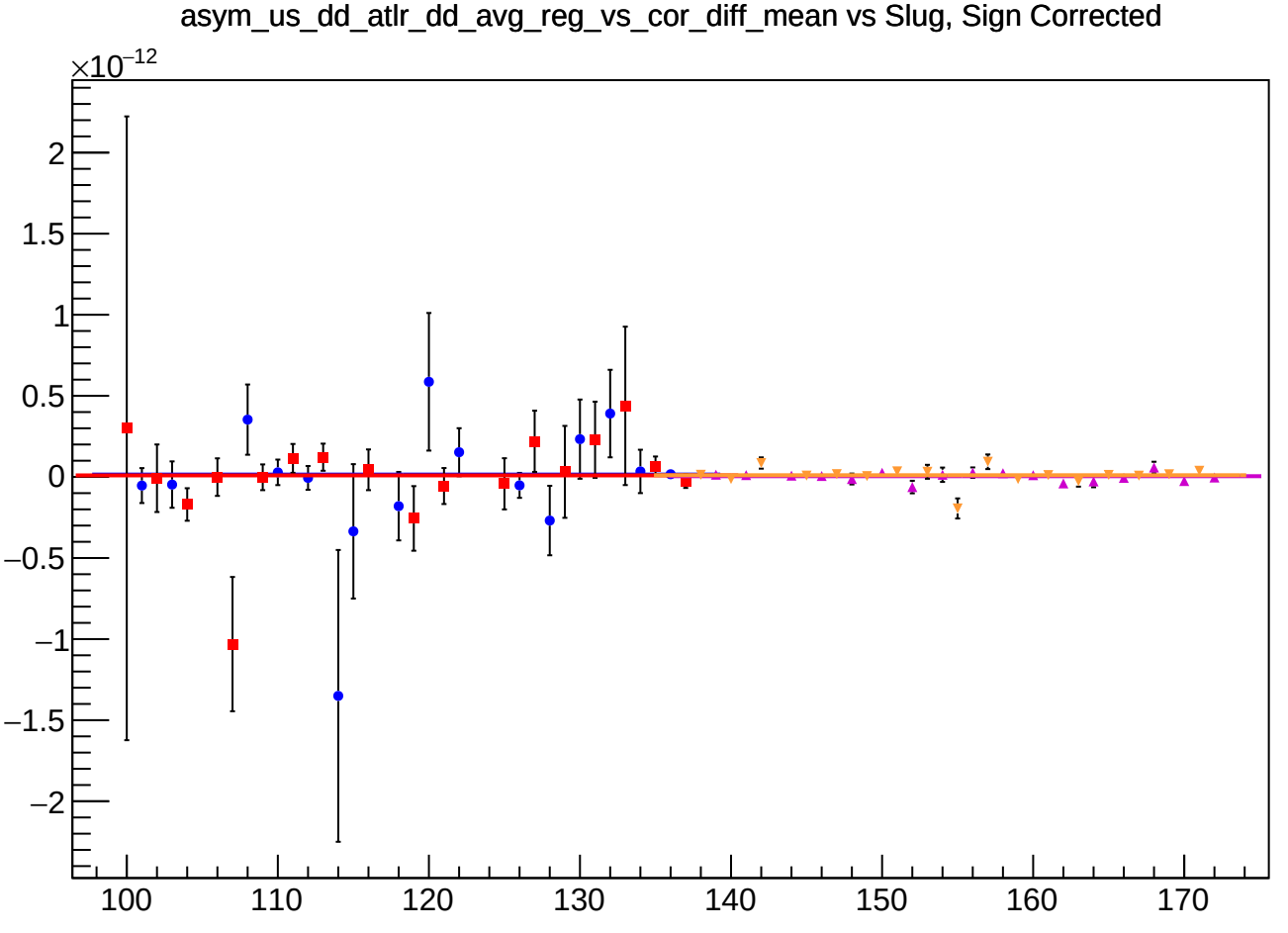
Left: 1942.856+/-0.262 χ^2/NDF: 32200.7/33

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2038.190+/-0.315 χ^2/NDF:686454.5/32

Out: 2039.011+/-0.320 χ^2/NDF:704570.1/34

All: 2038.594+/-0.225 χ^2/NDF: 1391028.0/67



Right In: 0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/16

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:13.1/16

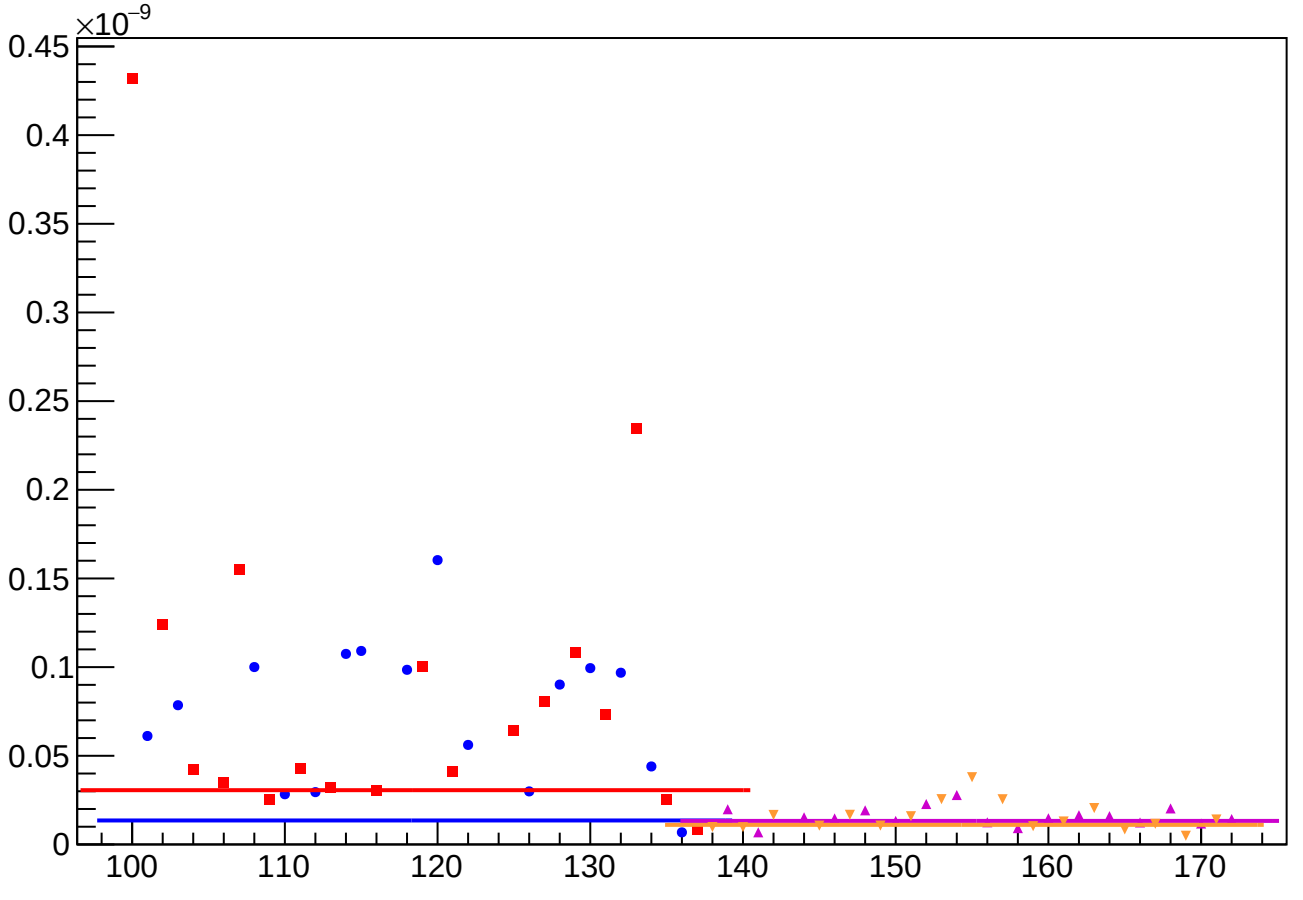
Left: 0.000+/-0.000 χ^2/NDF: 38.9/33

Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:28.5/32

Out: 0.000+/-0.000 χ^2/NDF:44.8/34

All: 0.000+/-0.000 χ^2/NDF: 73.6/67



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1700380.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1141700.3/16

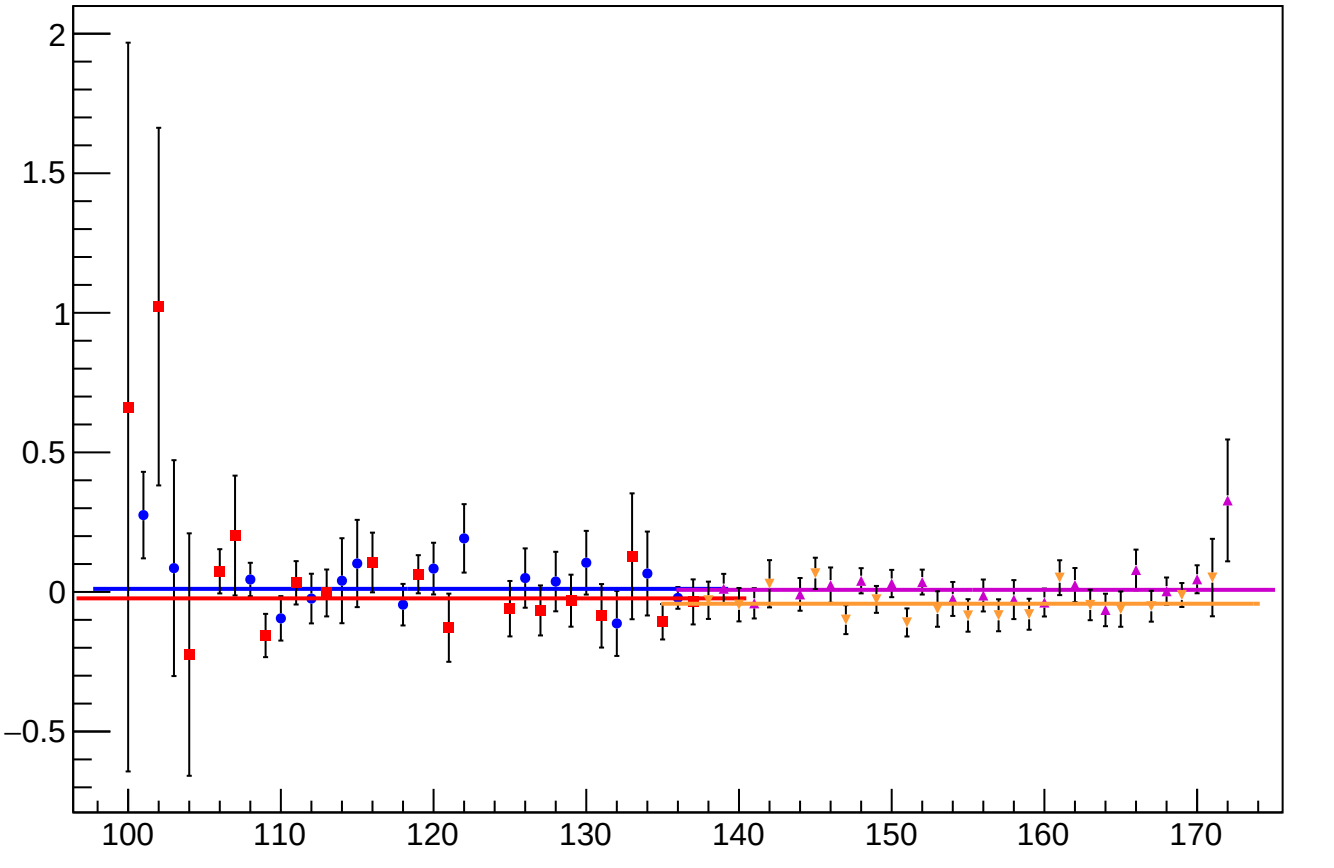
Left: 0.000+/-0.000 χ^2/NDF: 2980359.1/33

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:5298693.5/34

All: 0.000+/-0.000 χ^2/NDF: 9906351.1/67



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:12.6/16

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: -0.017+/-0.010 χ^2/NDF: 27.9/33

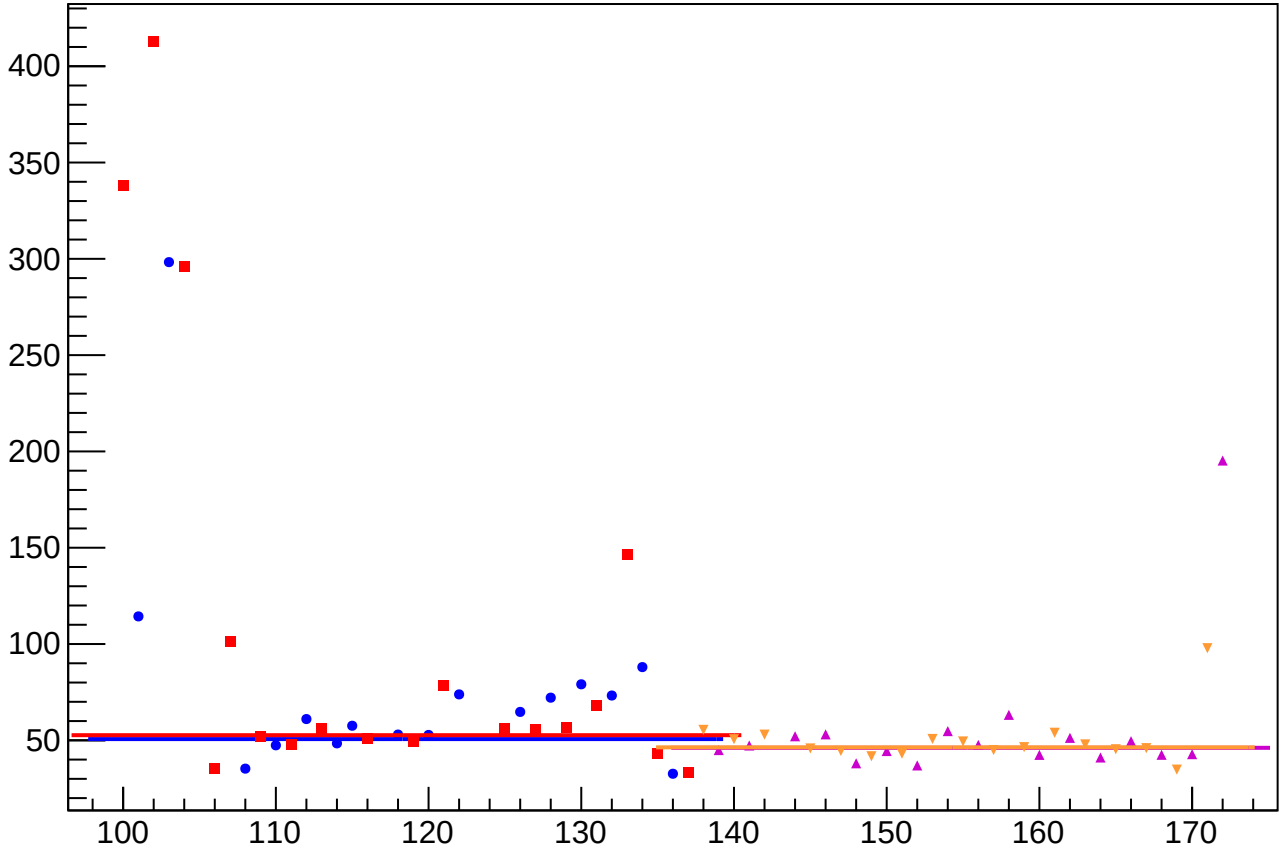
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.009+/-0.012 χ^2/NDF:20.6/32

Out: -0.037+/-0.012 χ^2/NDF:29.0/34

All: -0.013+/-0.008 χ^2/NDF: 57.1/67

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: 46.355+/-0.010 χ^2/NDF:557267.3/16

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: 46.227+/-0.007 χ^2/NDF: 1914607.6/33

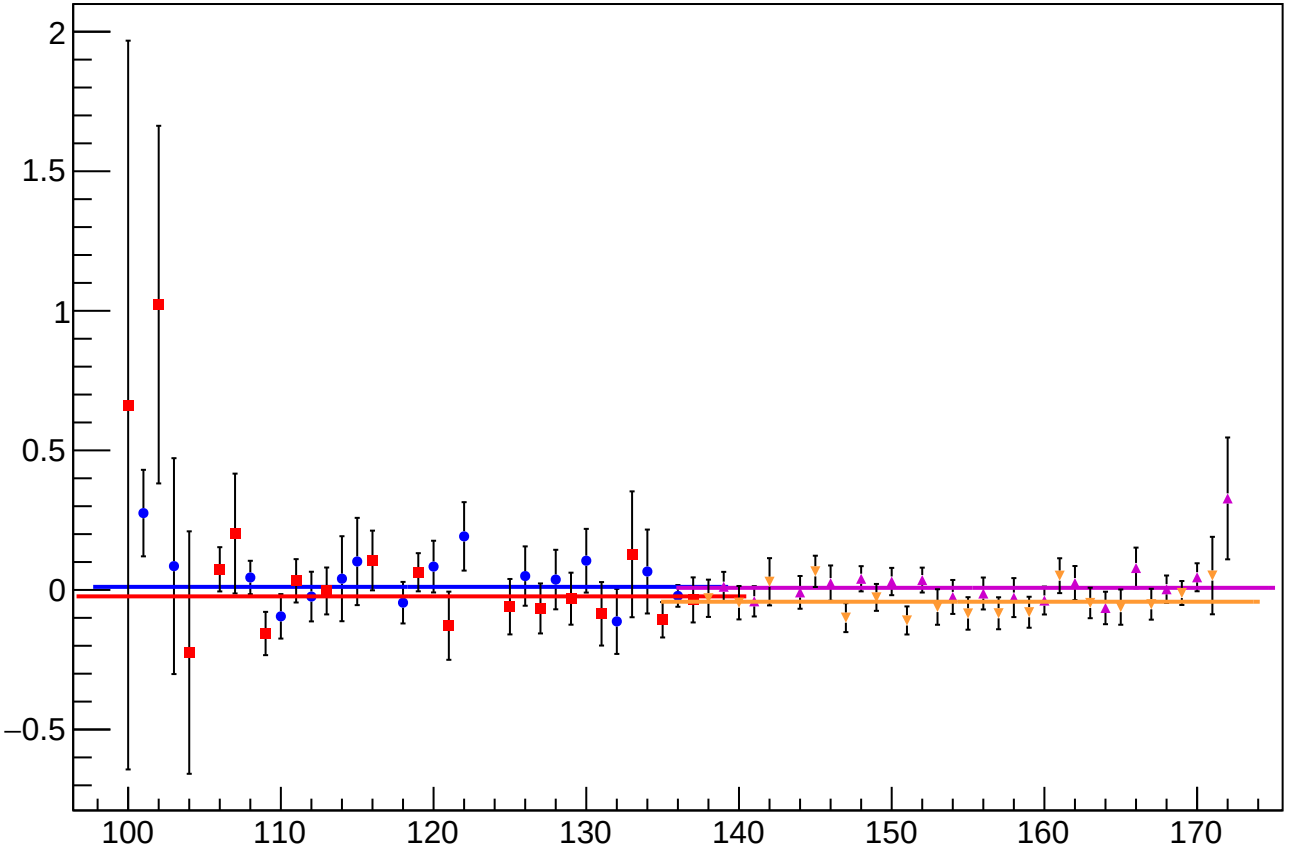
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.372+/-0.008 χ^2/NDF:3685567.4/32

Out: 48.051+/-0.008 χ^2/NDF:2878262.2/34

All: 47.699+/-0.006 χ^2/NDF: 6567159.3/67

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:12.6/16

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: -0.017+/-0.010 χ^2/NDF: 27.9/33

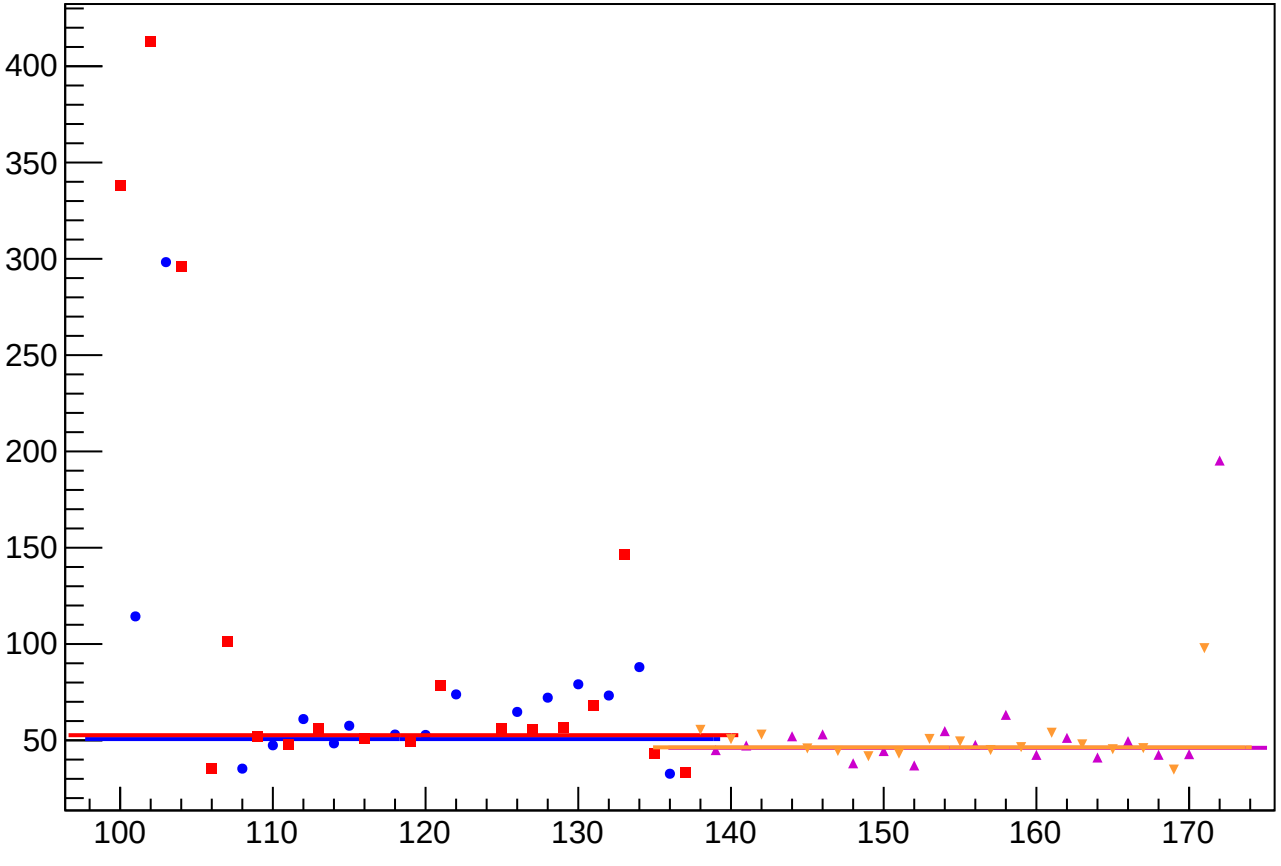
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.009+/-0.012 χ^2/NDF:20.6/32

Out: -0.037+/-0.012 χ^2/NDF:29.0/34

All: -0.013+/-0.008 χ^2/NDF: 57.1/67

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: 46.355+/-0.010 χ^2/NDF:557267.3/16

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.107+/-0.010 χ^2/NDF:1357017.0/16

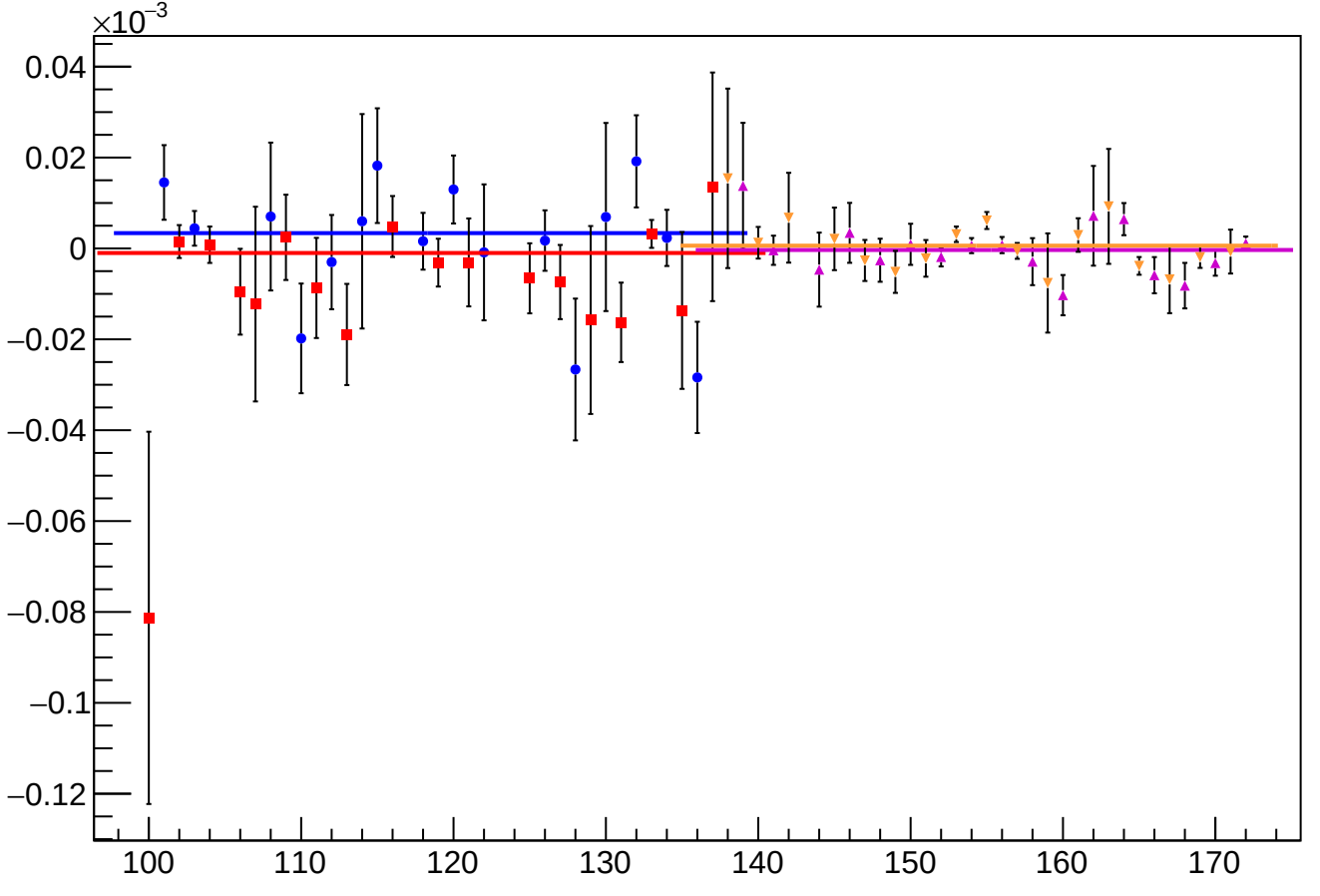
Left: 46.227+/-0.007 χ^2/NDF: 1914607.6/33

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.372+/-0.008 χ^2/NDF:3685567.4/32

Out: 48.051+/-0.008 χ^2/NDF:2878262.2/34

All: 47.699+/-0.006 χ^2/NDF: 6567159.3/67



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.8/16

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: -0.000+/-0.000 χ^2/NDF:19.0/16

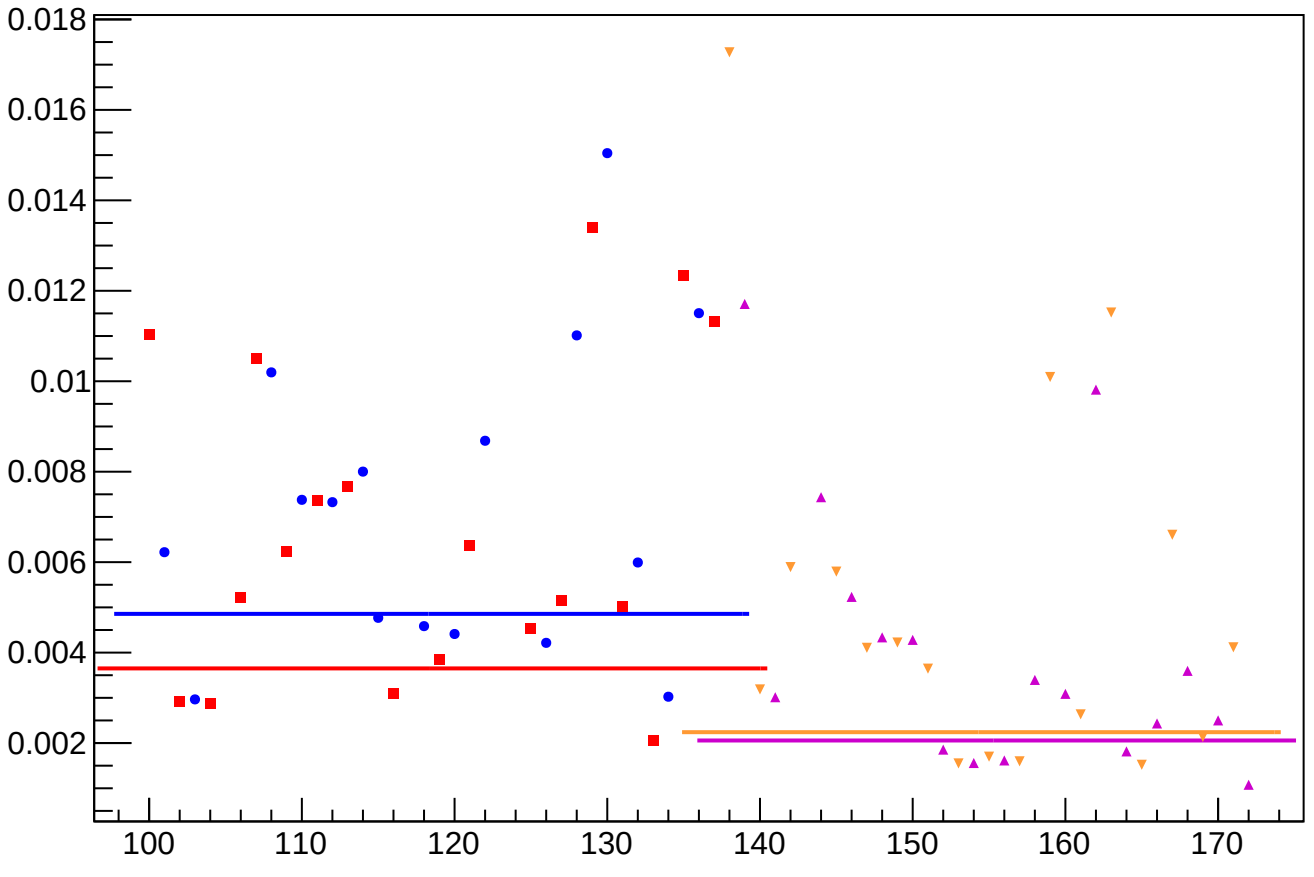
Left: 0.000+/-0.000 χ^2/NDF: 43.6/33

Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: 0.000+/-0.000 χ^2/NDF:44.1/32

Out: 0.000+/-0.000 χ^2/NDF:41.9/34

All: 0.000+/-0.000 χ^2/NDF: 86.0/67



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:7230882.6/16

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: 13398402.3/33

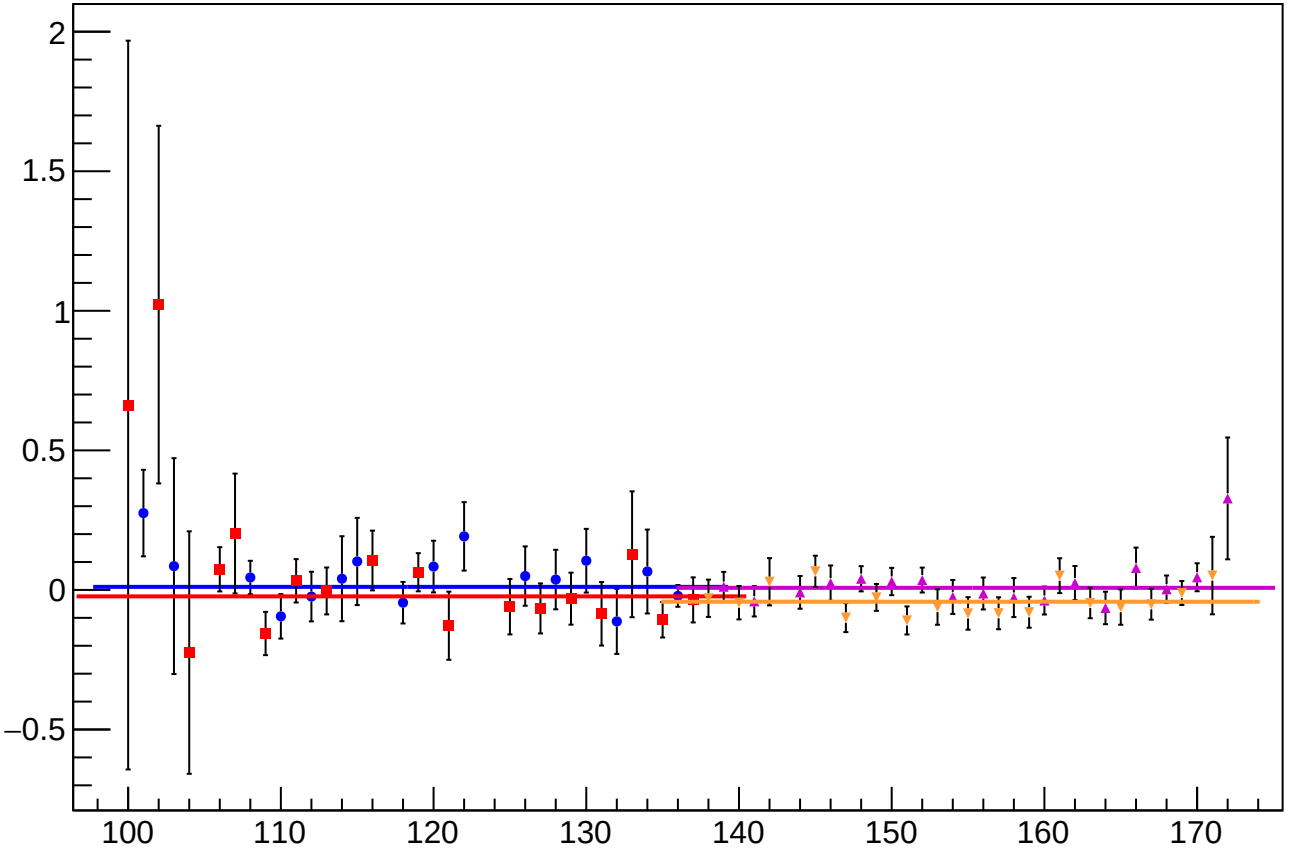
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.002+/-0.000 χ^2/NDF:12094536.2/32

Out: 0.002+/-0.000 χ^2/NDF:11662600.6/34

All: 0.002+/-0.000 χ^2/NDF: 23807359.4/67

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:12.6/16

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: -0.017+/-0.010 χ^2/NDF: 27.9/33

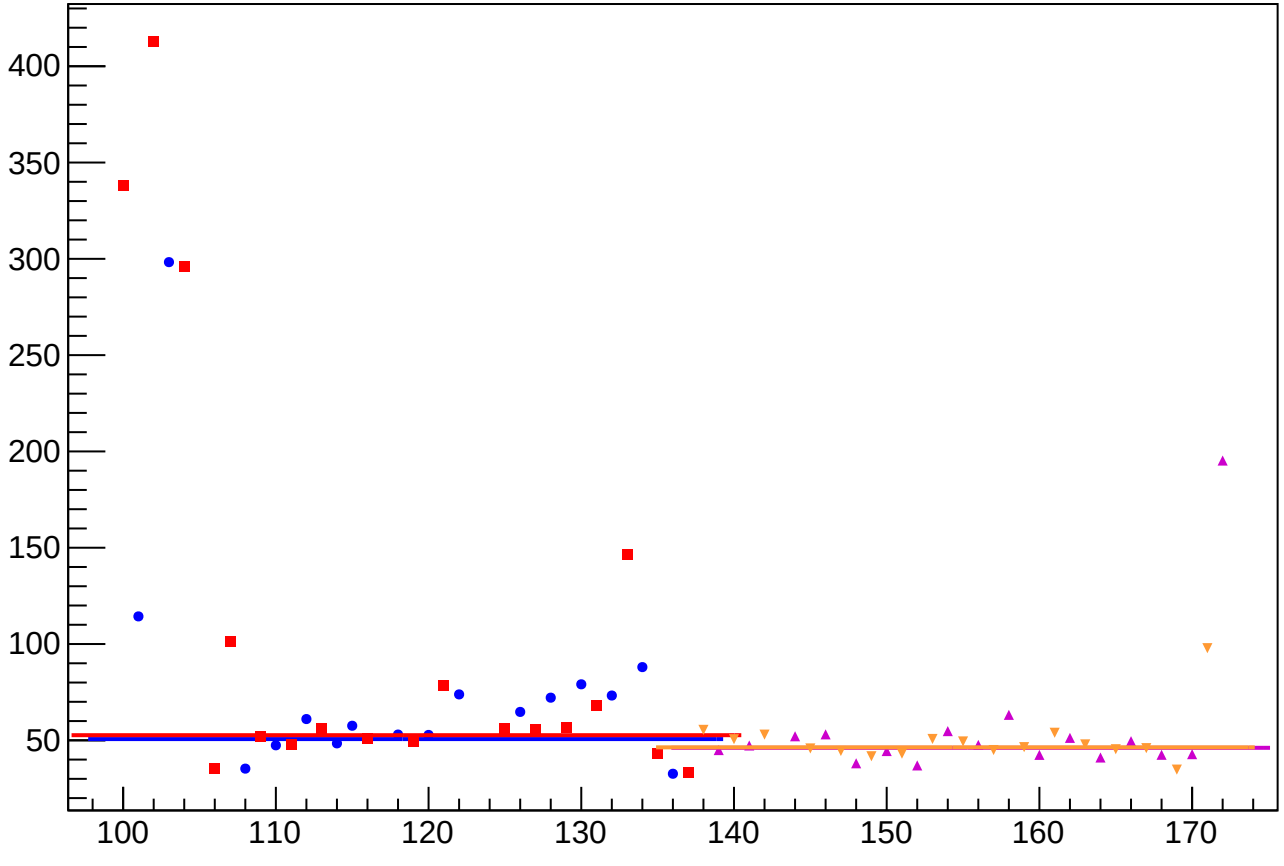
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.009+/-0.012 χ^2/NDF:20.6/32

Out: -0.037+/-0.012 χ^2/NDF:29.0/34

All: -0.013+/-0.008 χ^2/NDF: 57.1/67

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: 46.355+/-0.010 χ^2/NDF:557272.8/16

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: 46.227+/-0.007 χ^2/NDF: 1914553.6/33

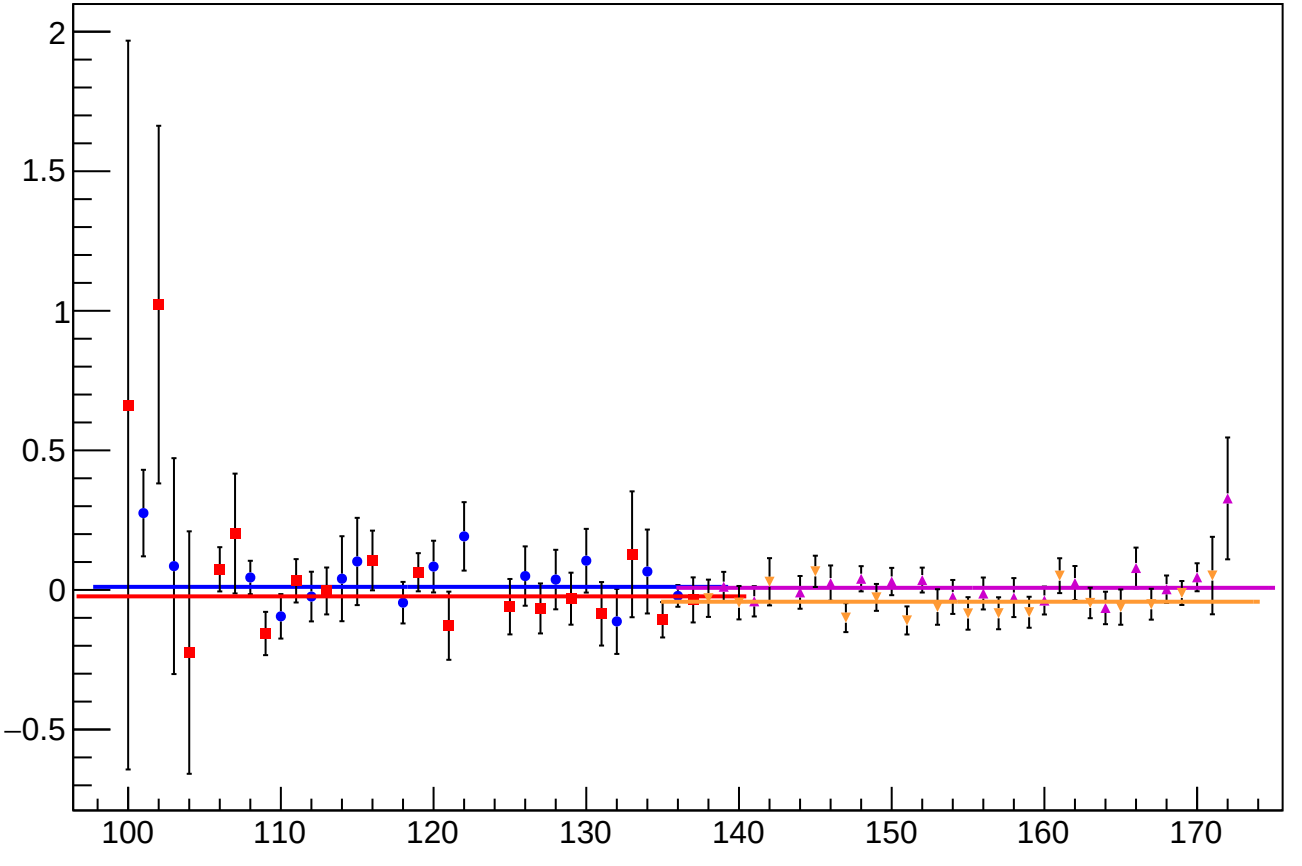
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.372+/-0.008 χ^2/NDF:3685417.6/32

Out: 48.051+/-0.008 χ^2/NDF:2878189.4/34

All: 47.699+/-0.006 χ^2/NDF: 6566933.1/67

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:12.6/16

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: -0.017+/-0.010 χ^2/NDF: 27.9/33

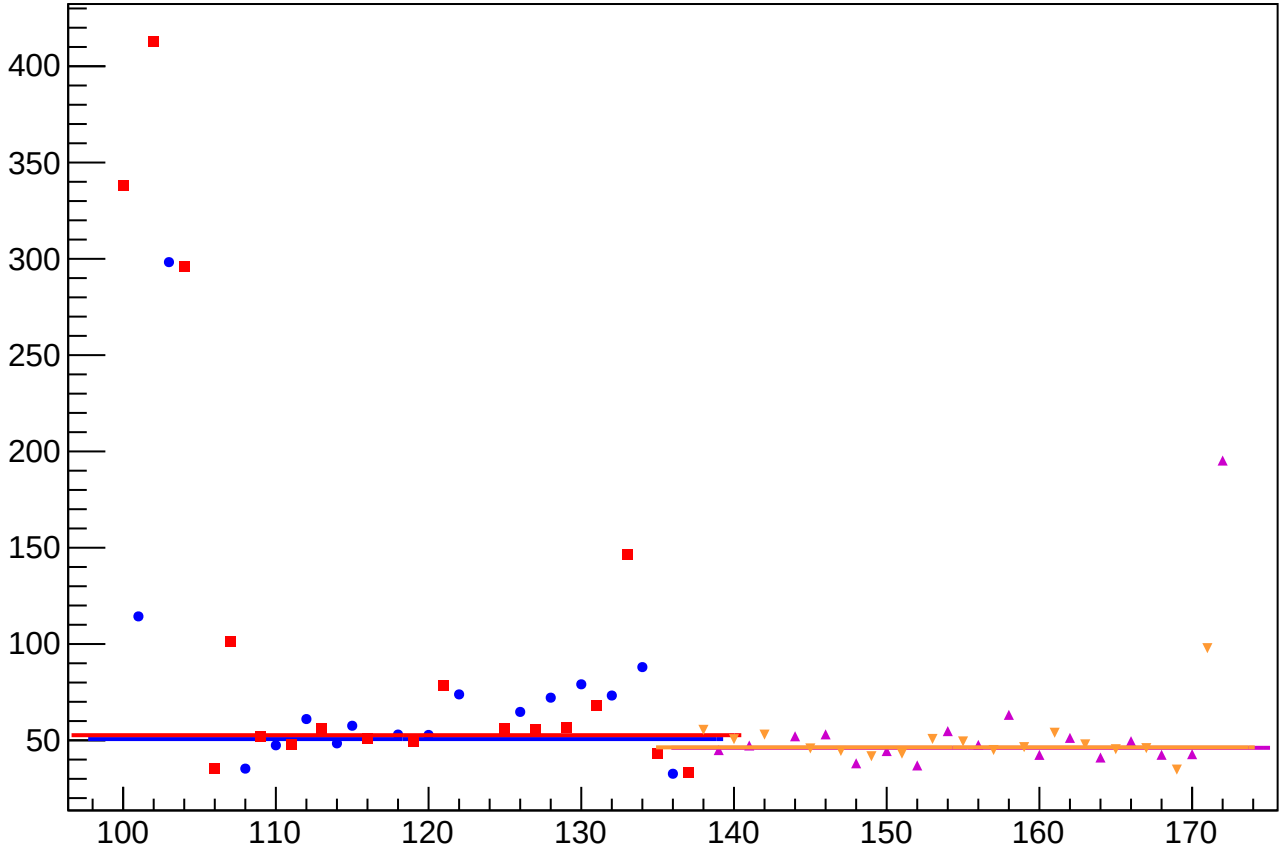
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.009+/-0.012 χ^2/NDF:20.6/32

Out: -0.037+/-0.012 χ^2/NDF:29.0/34

All: -0.013+/-0.008 χ^2/NDF: 57.1/67

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: 46.355+/-0.010 χ^2/NDF:557272.8/16

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: 46.227+/-0.007 χ^2/NDF: 1914553.6/33

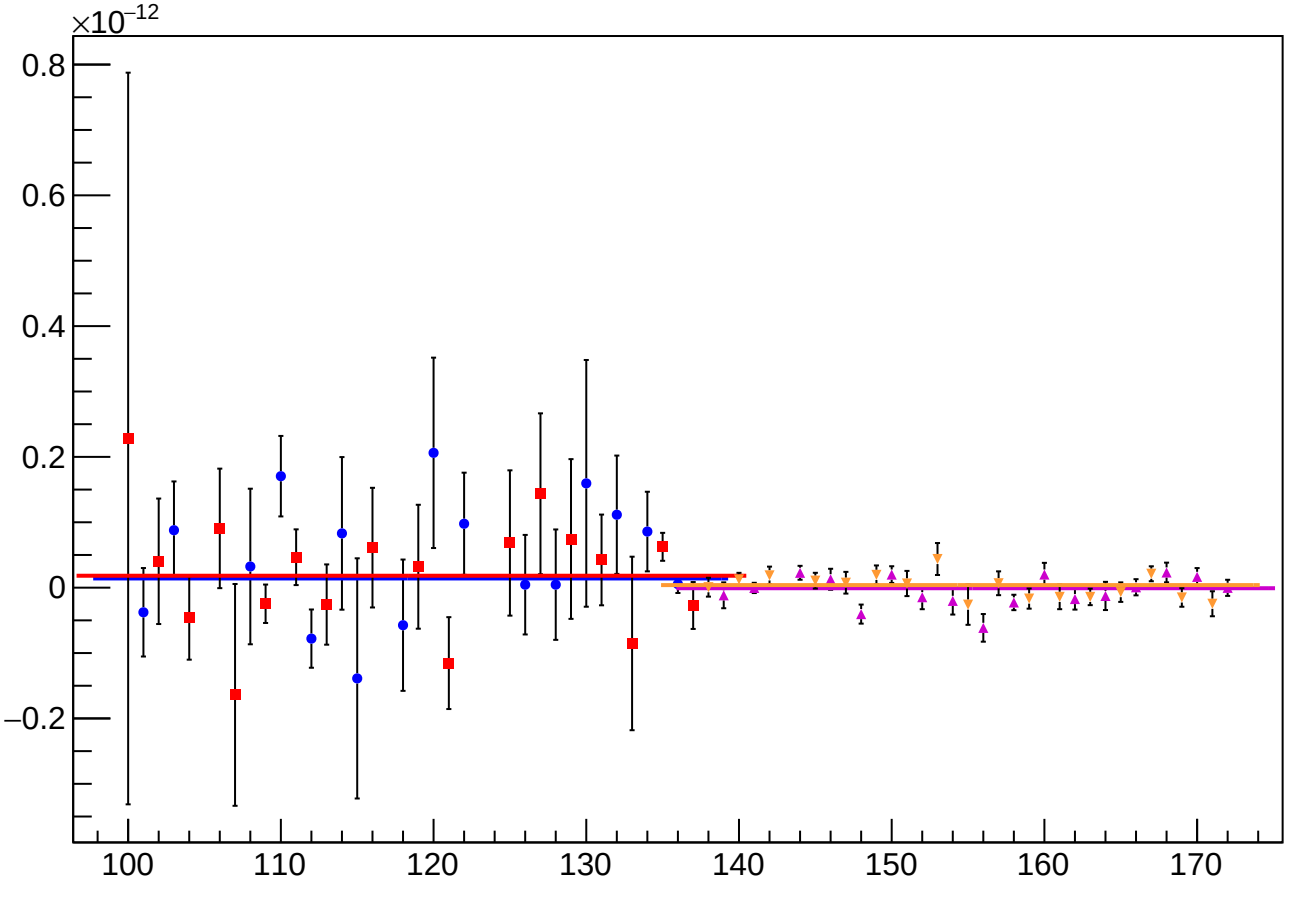
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.372+/-0.008 χ^2/NDF:3685417.6/32

Out: 48.051+/-0.008 χ^2/NDF:2878189.4/34

All: 47.699+/-0.006 χ^2/NDF: 6566933.1/67

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/16

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: 55.7/33

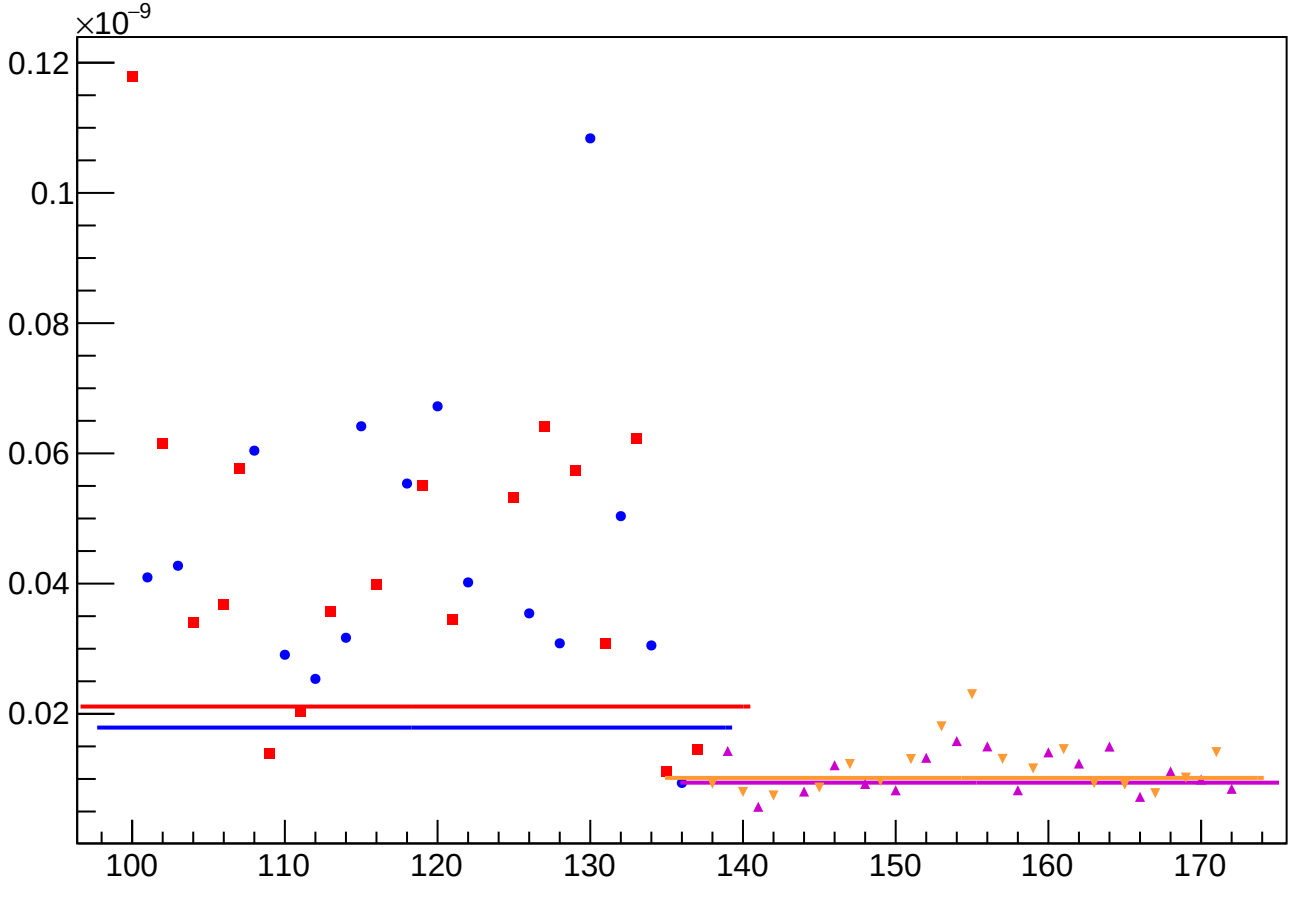
Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: 0.000+/-0.000 χ^2/NDF:57.9/32

Out: 0.000+/-0.000 χ^2/NDF:38.0/34

All: 0.000+/-0.000 χ^2/NDF: 96.9/67

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1213765.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1539877.2/16

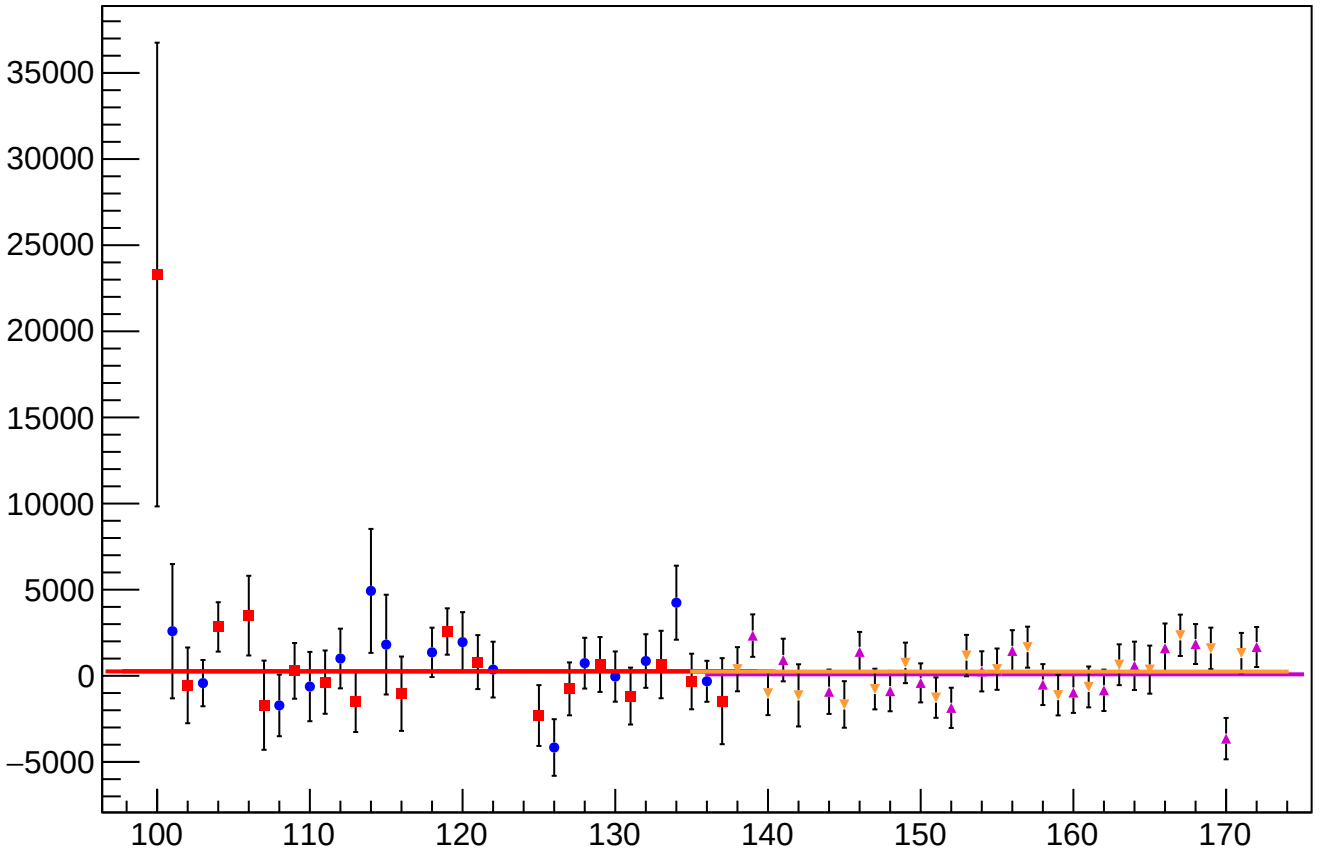
Left: 0.000+/-0.000 χ^2/NDF: 2797585.5/33

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:5248161.6/34

All: 0.000+/-0.000 χ^2/NDF: 11283588.1/67



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: 245.466+/-299.896 χ^2/NDF:15.4/16

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: 85.596+/-293.398 χ^2/NDF:27.3/16

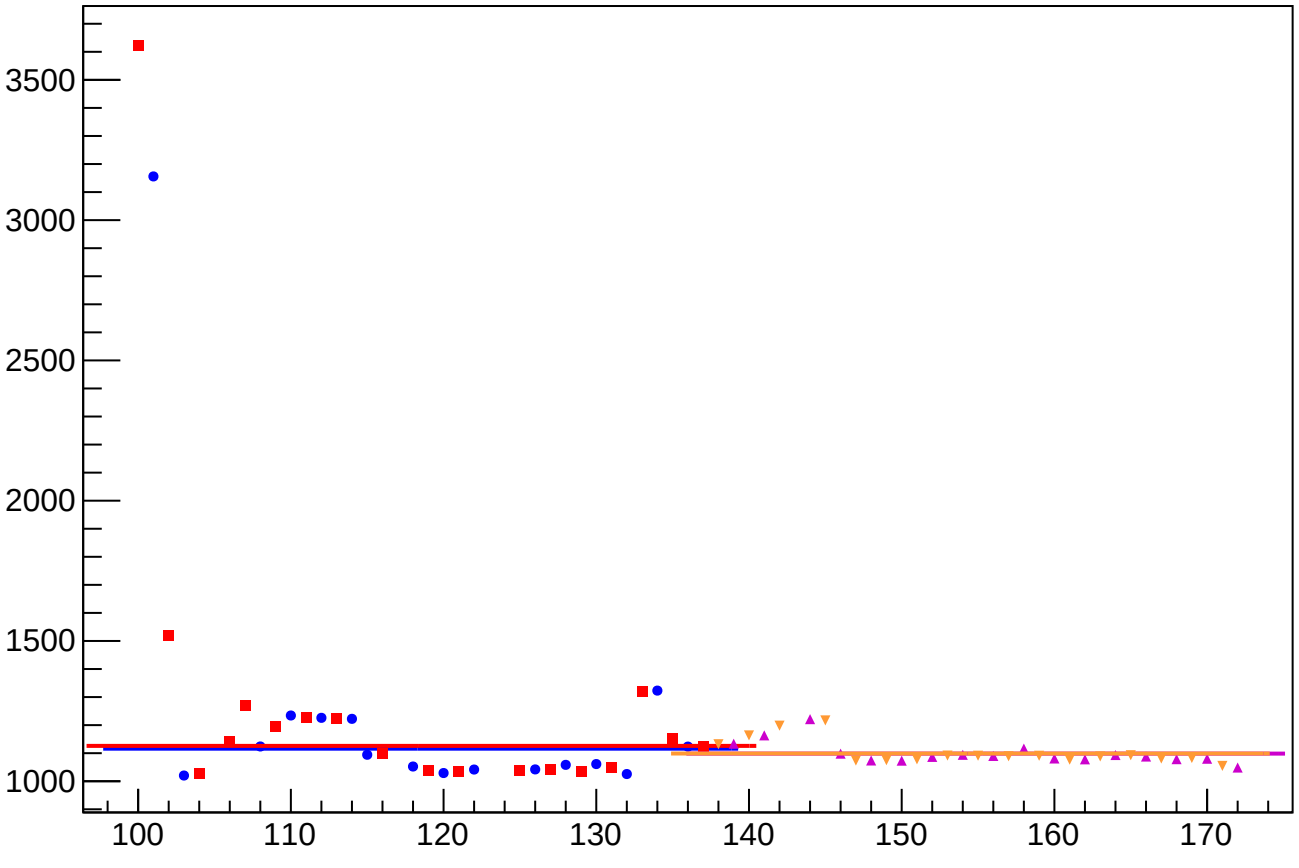
Left: 163.781+/-209.723 χ^2/NDF: 42.9/33

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 142.206+/-241.388 χ^2/NDF:44.4/32

Out: 248.937+/-245.184 χ^2/NDF:32.8/34

All: 194.739+/-172.013 χ^2/NDF: 77.3/67



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1098.815+/-0.212 χ^2/NDF:35082.4/16

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: 1098.639+/-0.148 χ^2/NDF: 68906.5/33

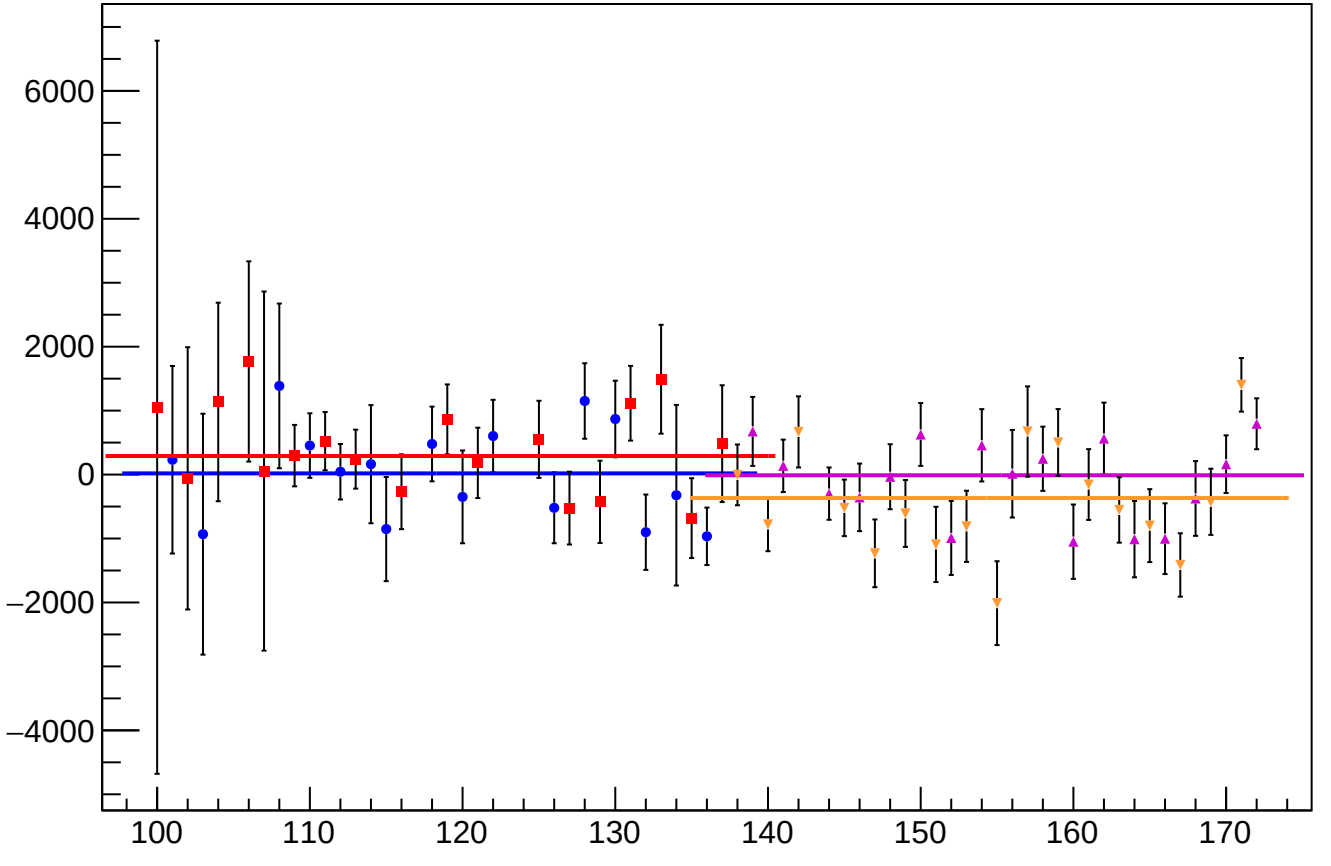
Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1104.163+/-0.171 χ^2/NDF:659544.0/32

Out: 1107.834+/-0.173 χ^2/NDF:262644.2/34

All: 1105.970+/-0.122 χ^2/NDF: 922415.9/67

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: -366.315+/-125.478 χ^2/NDF:44.6/16

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: -185.700+/-88.036 χ^2/NDF: 71.7/33

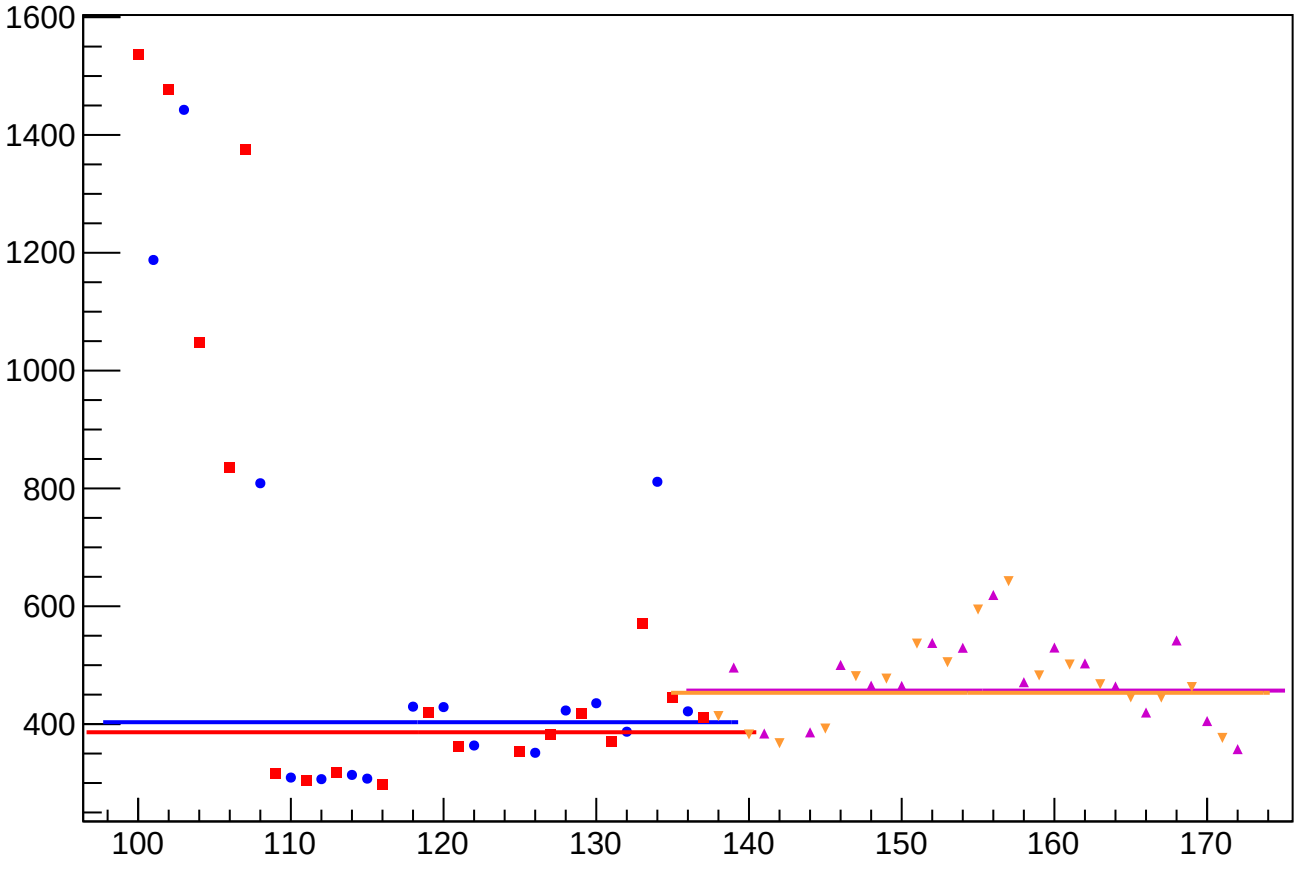
Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 0.154+/-98.068 χ^2/NDF:42.3/32

Out: -108.896+/-97.821 χ^2/NDF:68.8/34

All: -54.509+/-69.257 χ^2/NDF: 111.7/67

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: 453.130+/-0.089 χ^2/NDF:552182.9/16

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 456.864+/-0.087 χ^2/NDF:582103.8/16

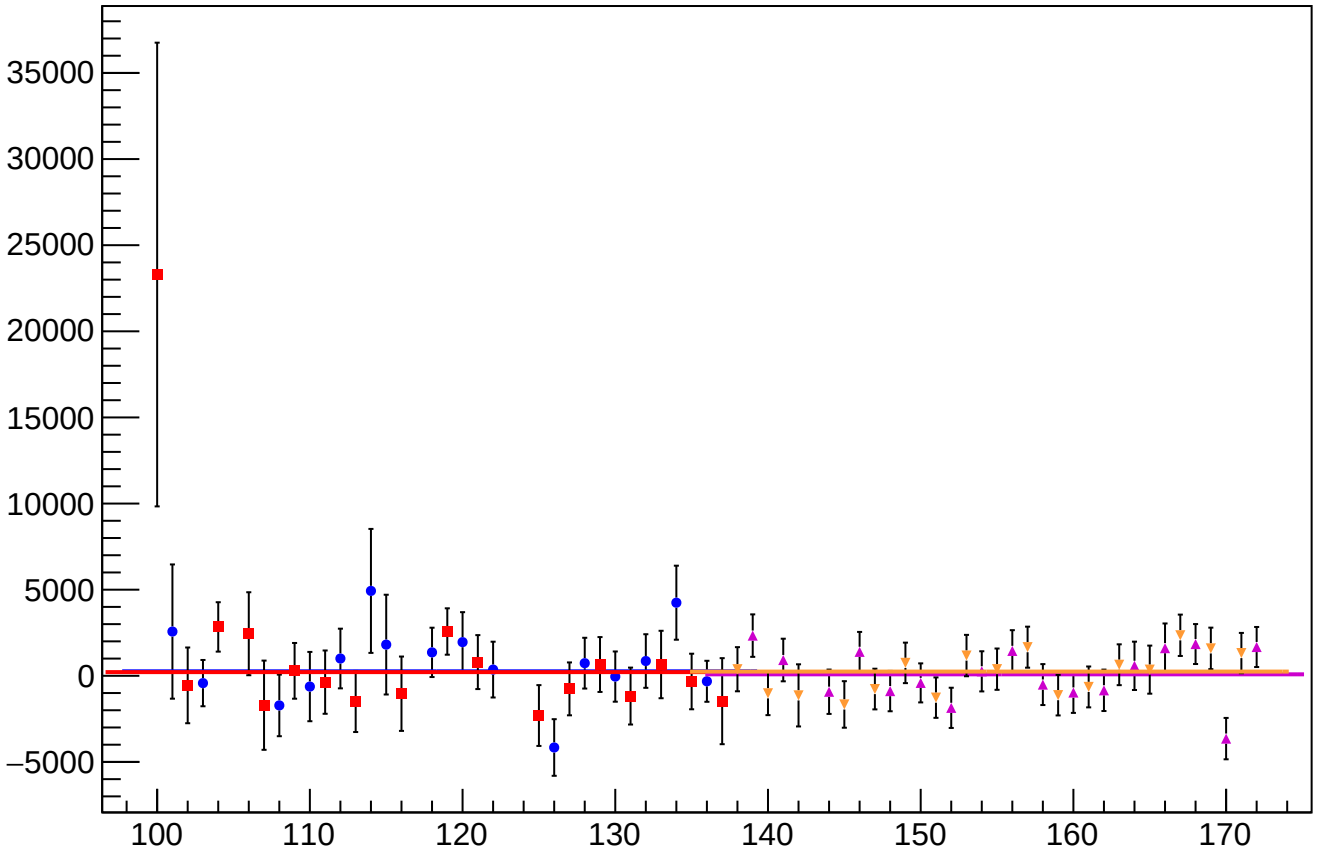
Left: 455.026+/-0.062 χ^2/NDF: 1135186.2/33

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 437.010+/-0.069 χ^2/NDF:2530156.9/32

Out: 426.855+/-0.069 χ^2/NDF:2534856.3/34

All: 431.920+/-0.049 χ^2/NDF: 5075761.3/67



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 245.432+/-299.896 χ^2/NDF:15.4/16

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 85.615+/-293.398 χ^2/NDF:27.3/16

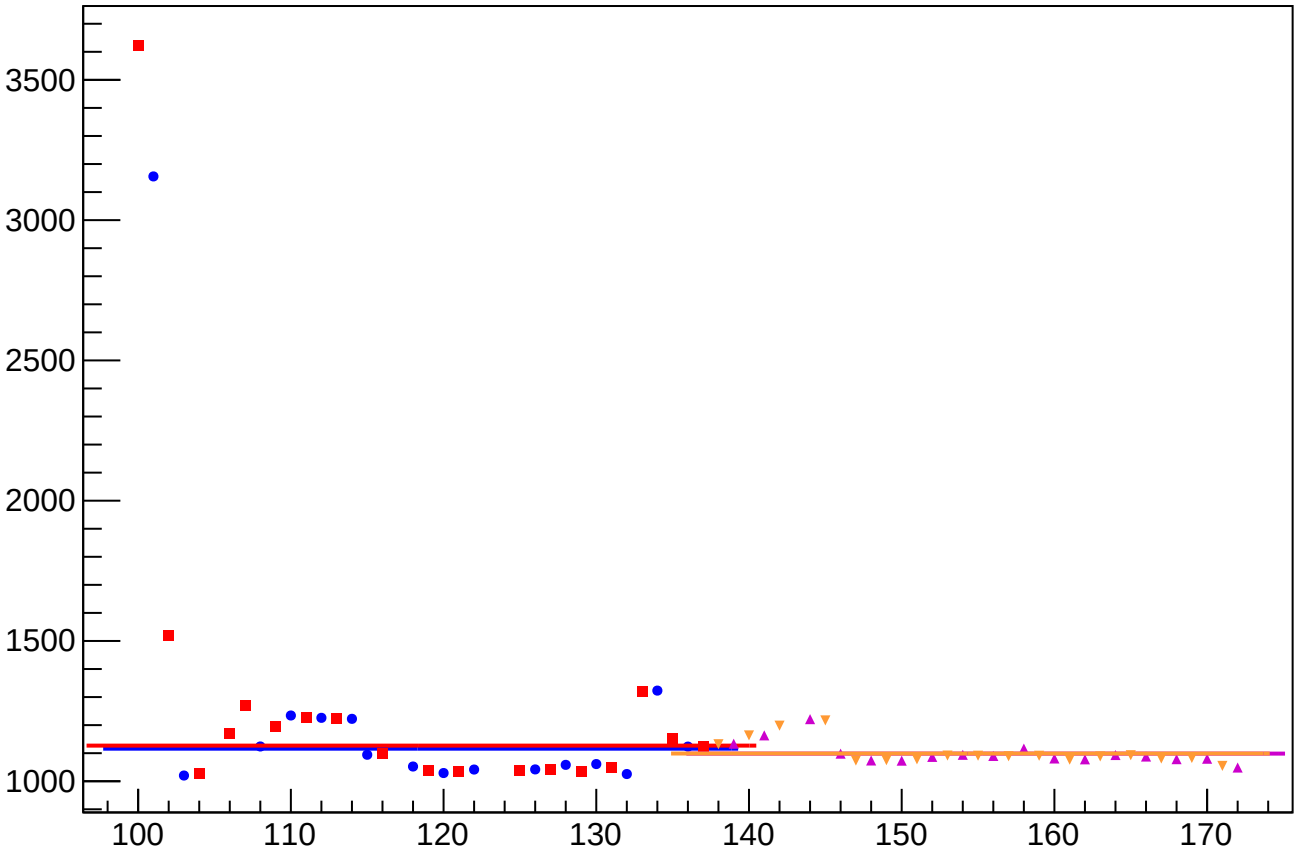
Left: 163.774+/-209.723 χ^2/NDF: 42.9/33

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 142.095+/-241.388 χ^2/NDF:44.4/32

Out: 235.193+/-245.290 χ^2/NDF:31.6/34

All: 187.898+/-172.050 χ^2/NDF: 76.1/67



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1098.815+/-0.212 χ^2/NDF:35082.4/16

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: 1098.639+/-0.148 χ^2/NDF: 68906.5/33

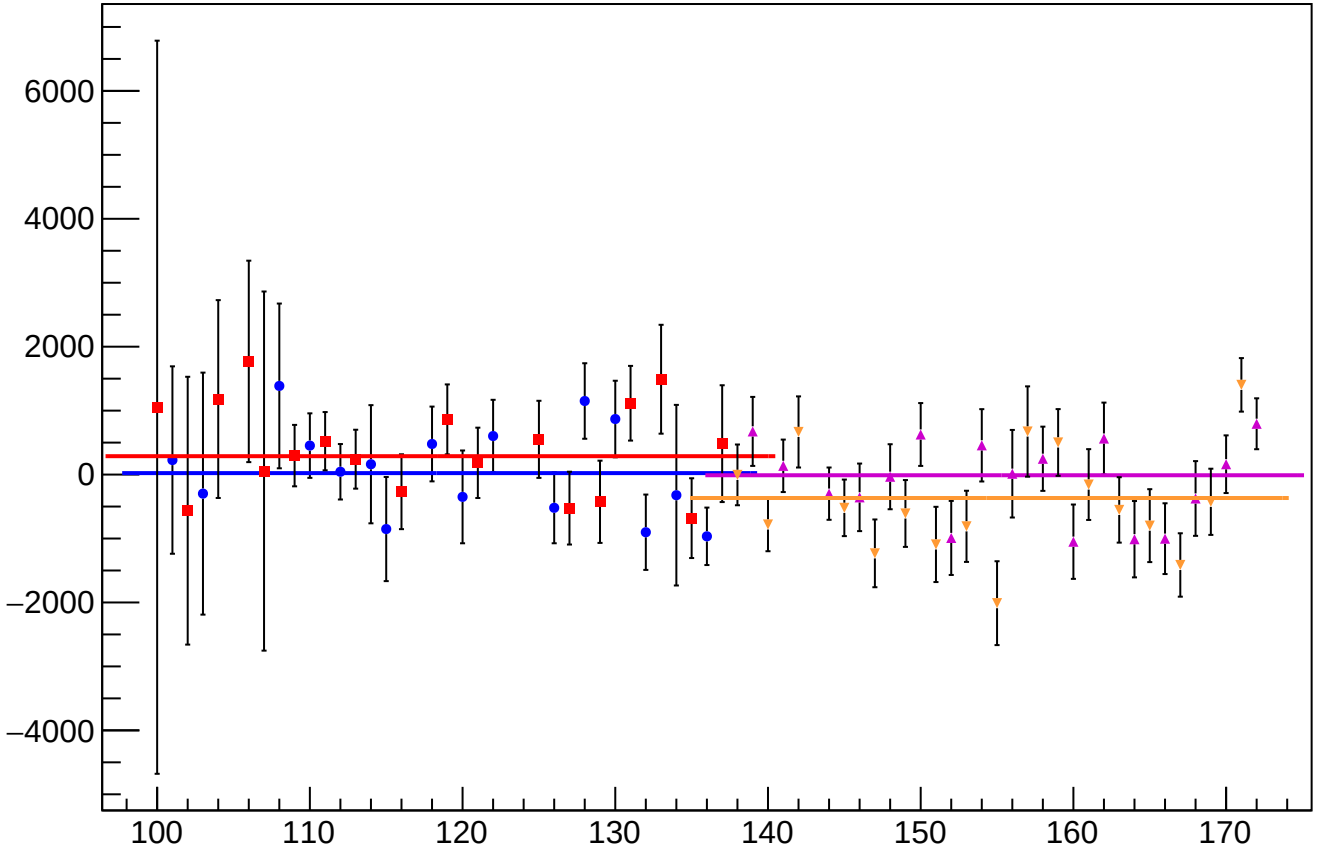
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1104.163+/-0.171 χ^2/NDF:659545.0/32

Out: 1108.131+/-0.173 χ^2/NDF:263653.7/34

All: 1106.115+/-0.122 χ^2/NDF: 923464.6/67

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: -366.379+/-125.478 χ^2/NDF:44.6/16

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: -185.721+/-88.036 χ^2/NDF: 71.7/33

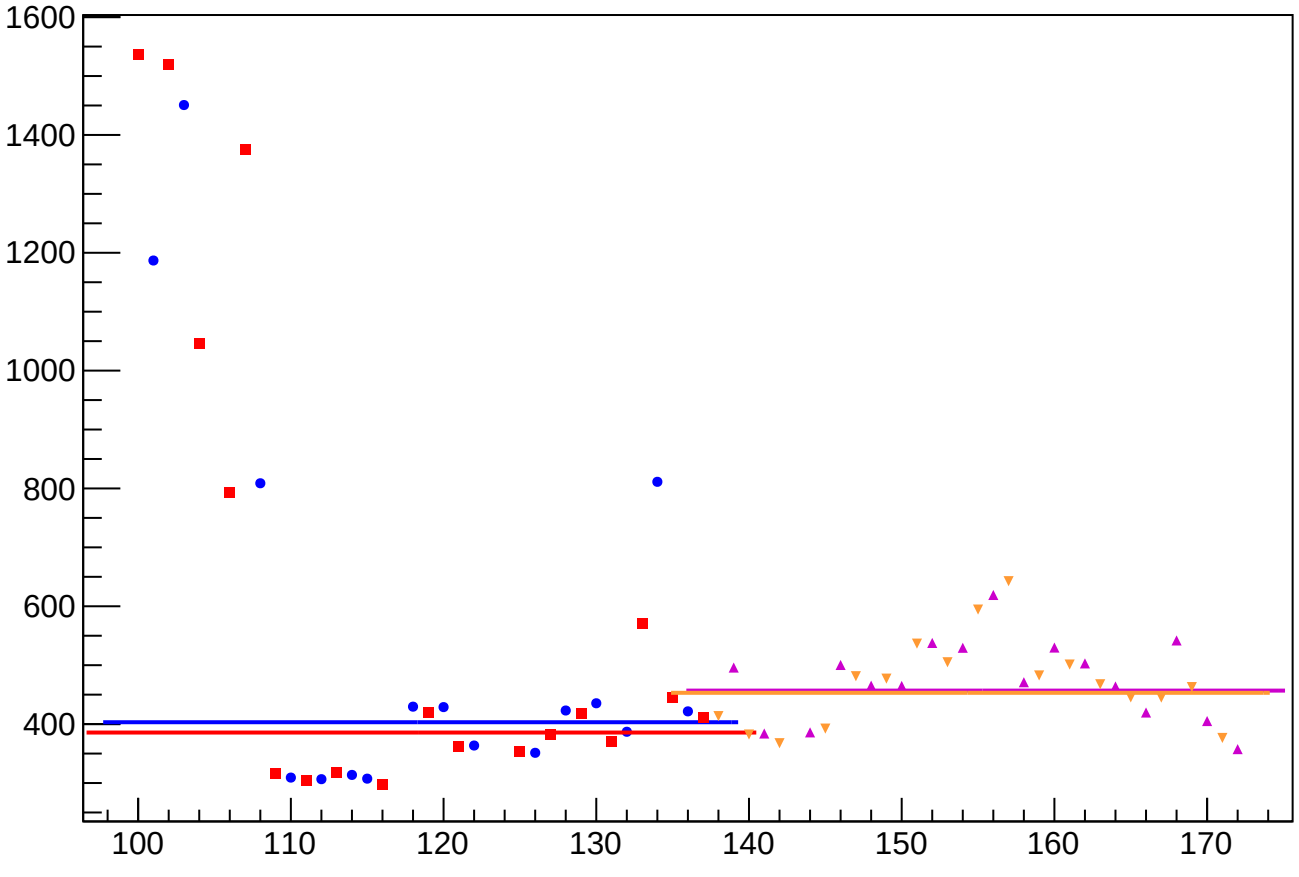
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 1.816+/-98.069 χ^2/NDF:42.0/32

Out: -109.898+/-97.826 χ^2/NDF:68.9/34

All: -54.179+/-69.259 χ^2/NDF: 111.6/67

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: 453.128+/-0.089 χ^2/NDF:552205.4/16

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 456.865+/-0.087 χ^2/NDF:582009.8/16

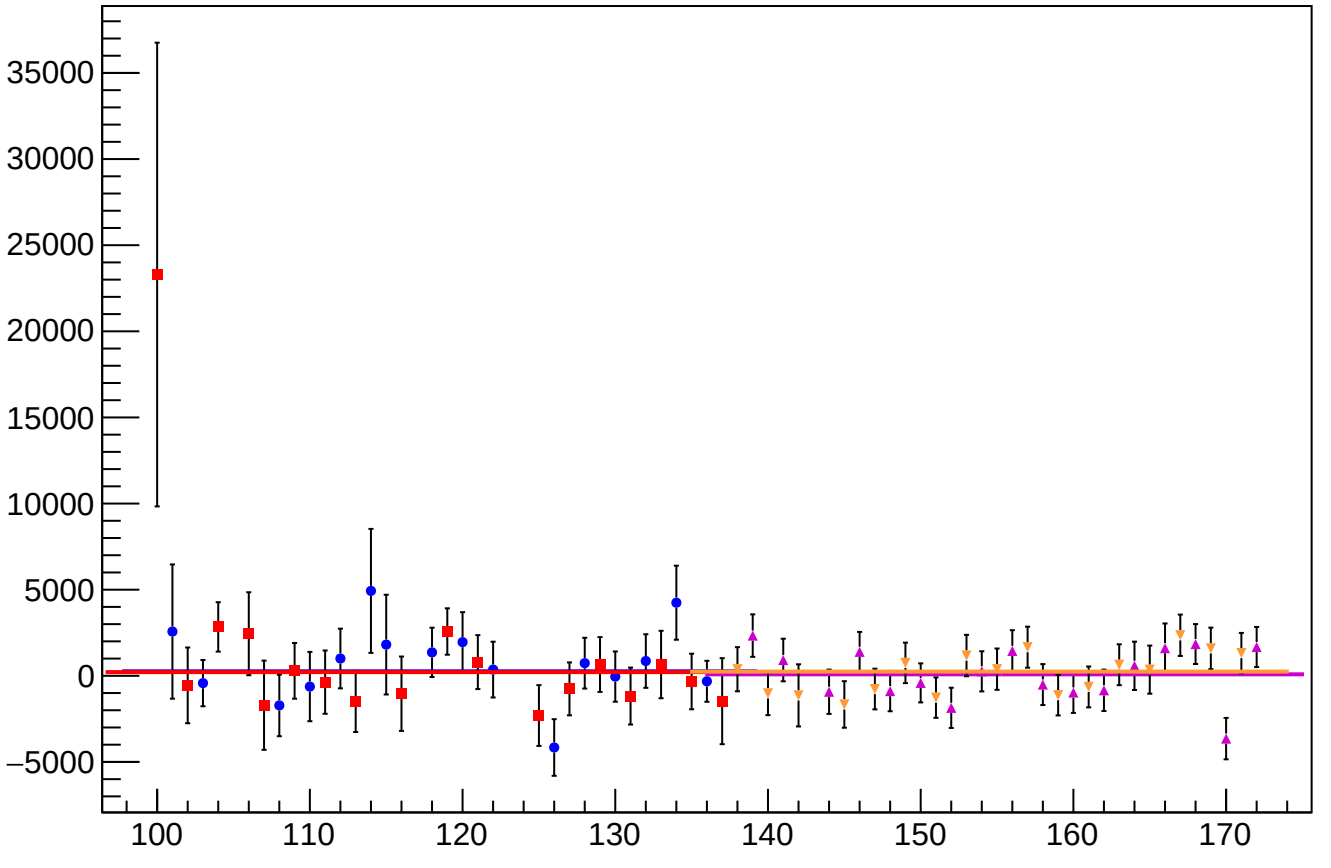
Left: 455.025+/-0.062 χ^2/NDF: 1135116.1/33

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 437.006+/-0.069 χ^2/NDF:2533806.4/32

Out: 426.677+/-0.069 χ^2/NDF:2525975.3/34

All: 431.829+/-0.049 χ^2/NDF: 5070902.2/67



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 245.432+/-299.896 χ^2/NDF:15.4/16

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 85.615+/-293.398 χ^2/NDF:27.3/16

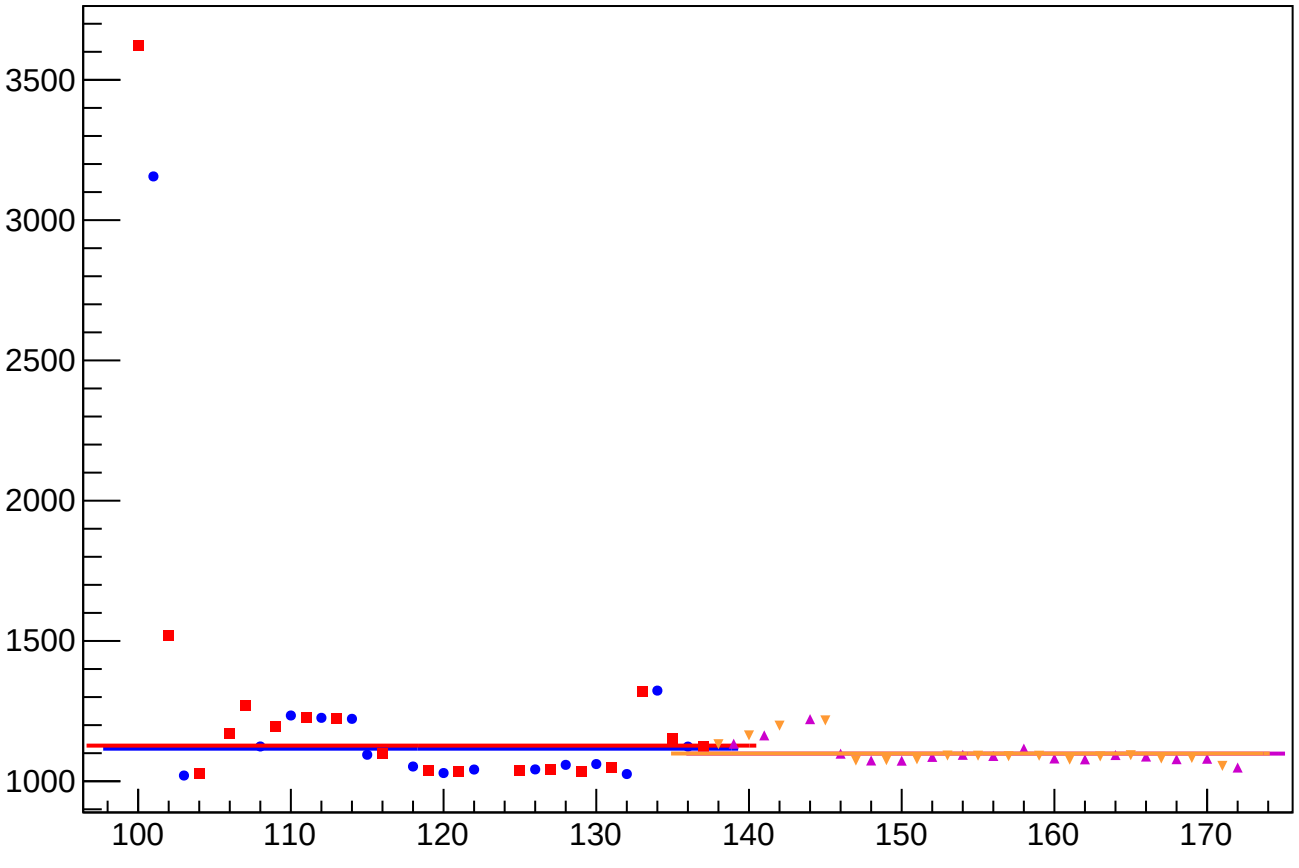
Left: 163.774+/-209.723 χ^2/NDF: 42.9/33

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 142.095+/-241.388 χ^2/NDF:44.4/32

Out: 235.193+/-245.290 χ^2/NDF:31.6/34

All: 187.898+/-172.050 χ^2/NDF: 76.1/67



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1098.815+/-0.212 χ^2/NDF:35082.4/16

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: 1098.639+/-0.148 χ^2/NDF: 68906.5/33

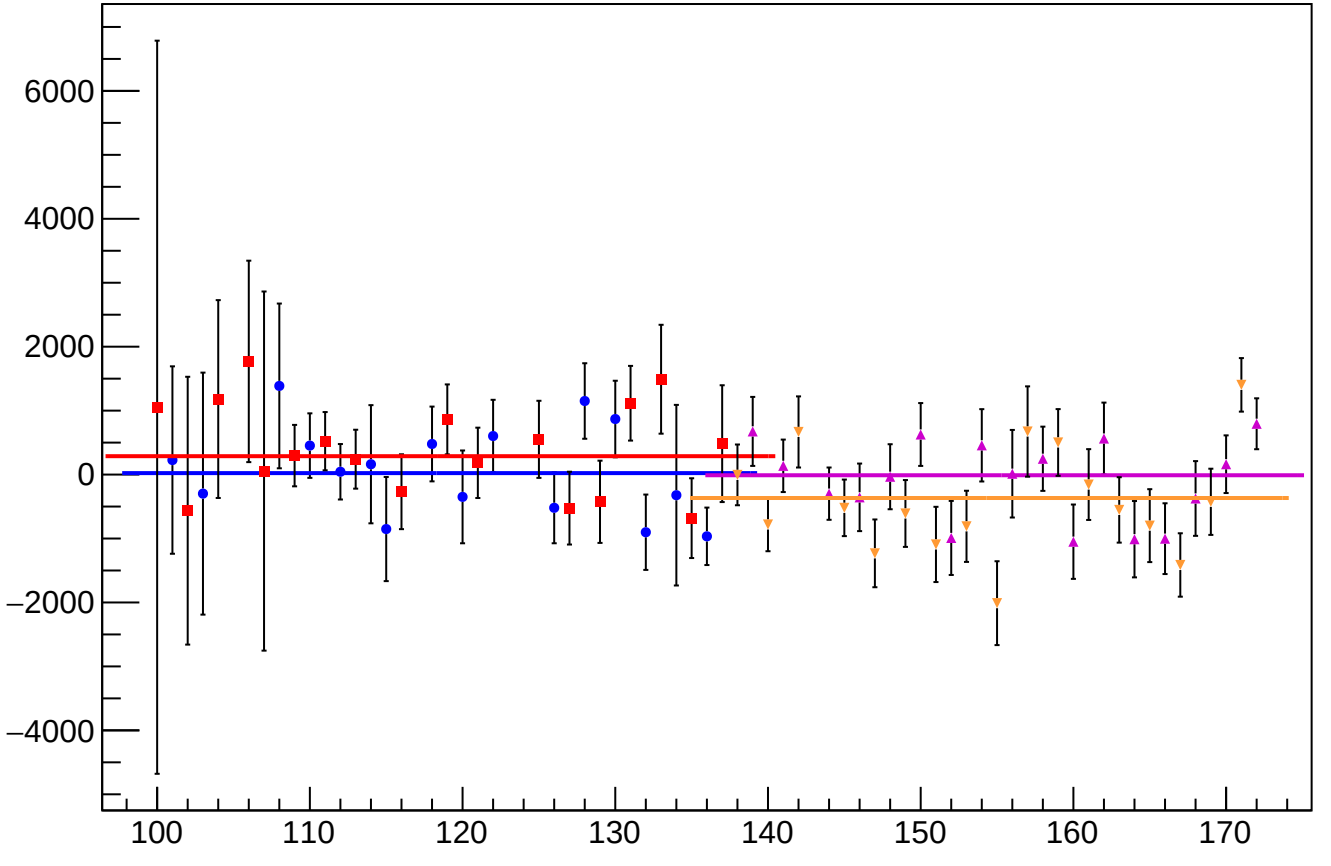
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1104.163+/-0.171 χ^2/NDF:659545.0/32

Out: 1108.131+/-0.173 χ^2/NDF:263653.7/34

All: 1106.115+/-0.122 χ^2/NDF: 923464.6/67

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: -366.379+/-125.478 χ^2/NDF:44.6/16

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: -185.721+/-88.036 χ^2/NDF: 71.7/33

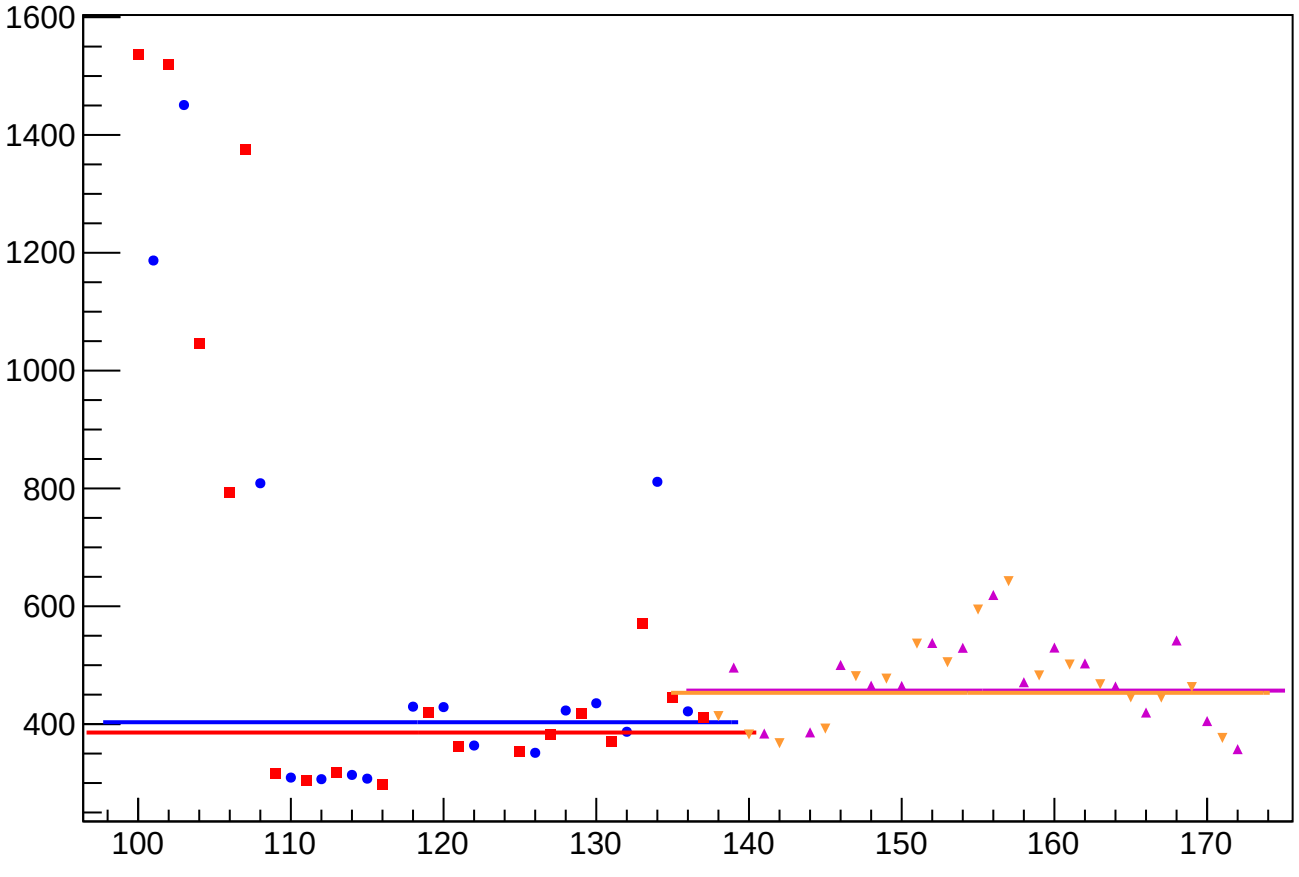
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 1.816+/-98.069 χ^2/NDF:42.0/32

Out: -109.898+/-97.826 χ^2/NDF:68.9/34

All: -54.179+/-69.259 χ^2/NDF: 111.6/67

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: 453.128+/-0.089 χ^2/NDF:552205.4/16

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 456.865+/-0.087 χ^2/NDF:582009.8/16

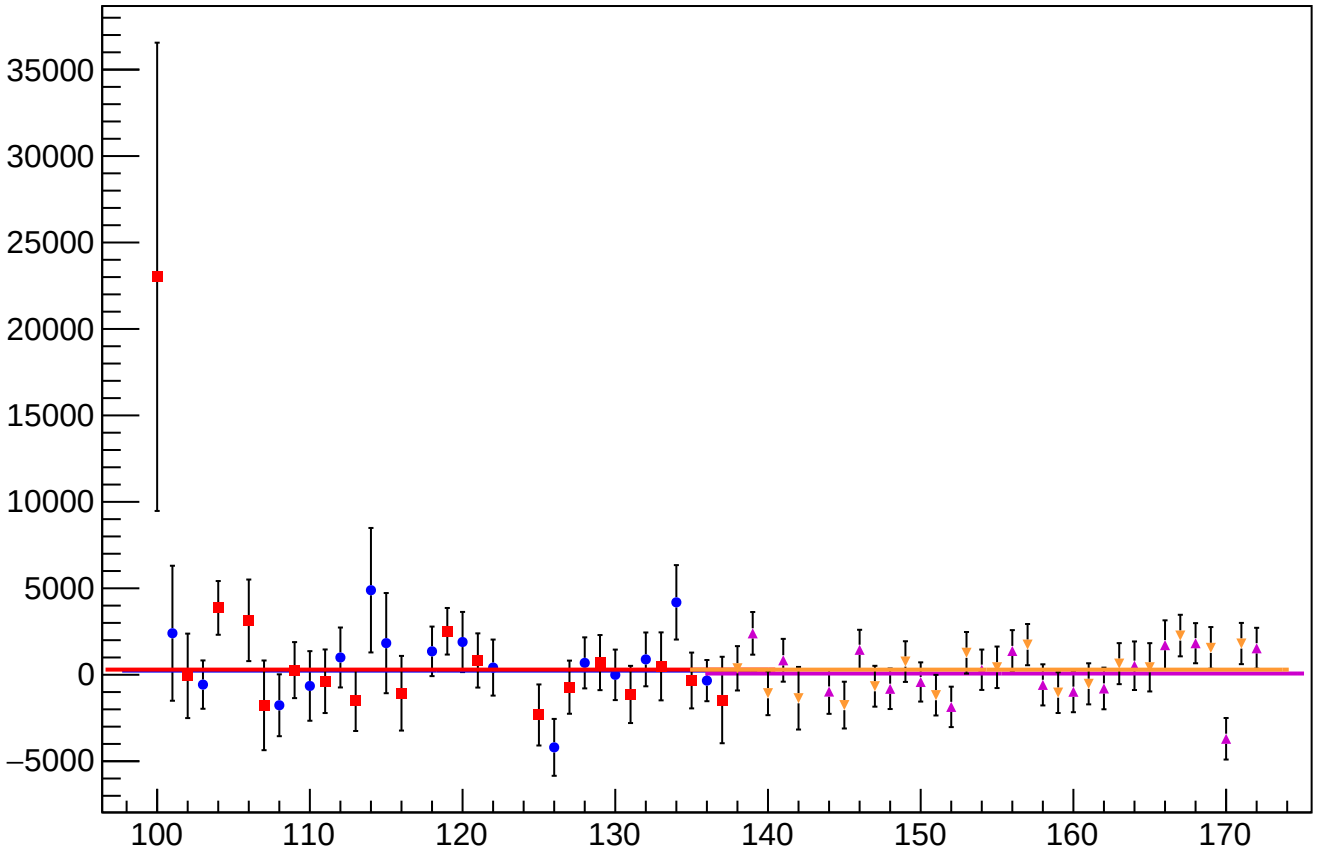
Left: 455.025+/-0.062 χ^2/NDF: 1135116.1/33

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 437.006+/-0.069 χ^2/NDF:2533806.4/32

Out: 426.677+/-0.069 χ^2/NDF:2525975.3/34

All: 431.829+/-0.049 χ^2/NDF: 5070902.2/67



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: 297.210+/-300.562 χ^2/NDF:16.1/16

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: 71.940+/-294.005 χ^2/NDF:27.4/16

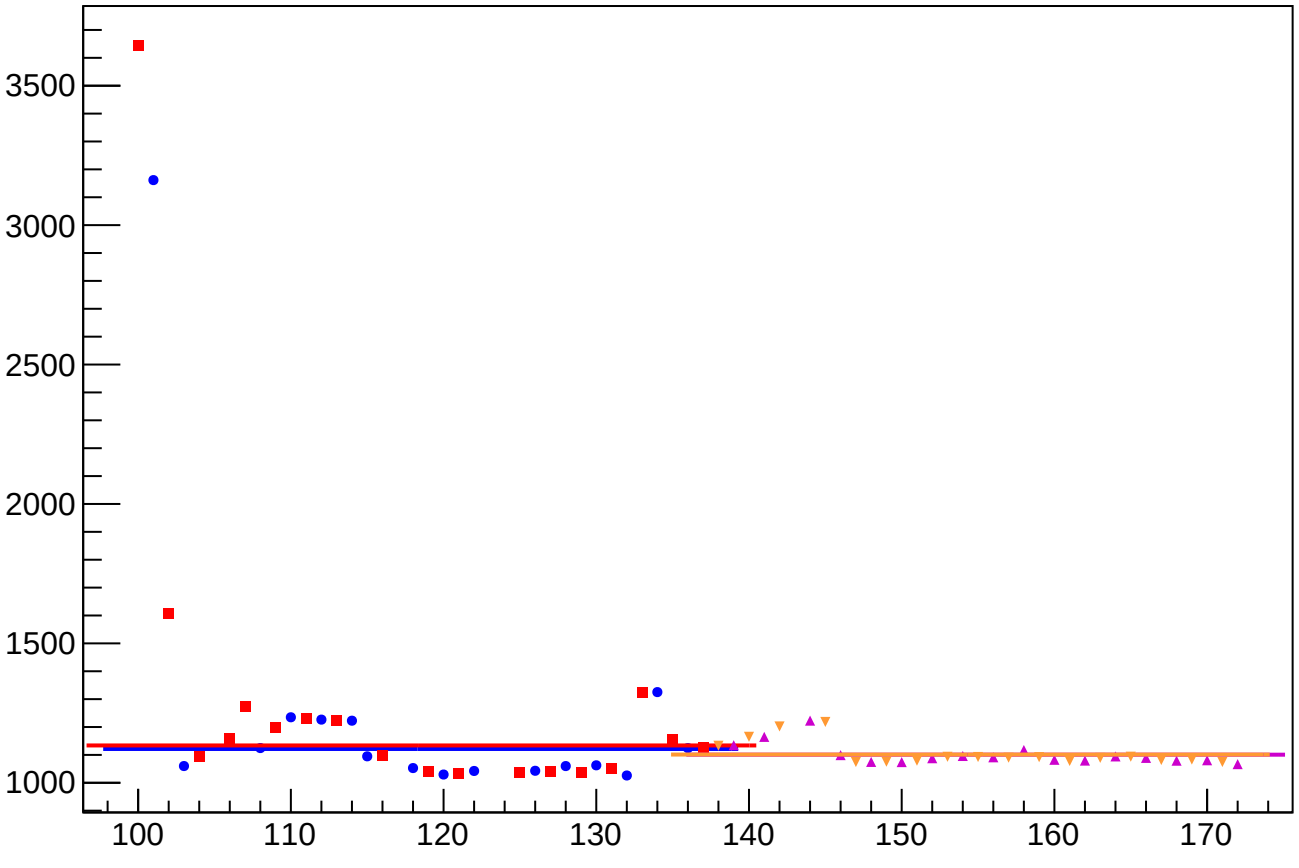
Left: 182.091+/-210.173 χ^2/NDF: 43.7/33

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 126.326+/-242.081 χ^2/NDF:44.4/32

Out: 297.770+/-246.492 χ^2/NDF:34.8/34

All: 210.500+/-172.715 χ^2/NDF: 79.4/67



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1101.288+/-0.213 χ^2/NDF:33545.0/16

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1100.777+/-0.208 χ^2/NDF:31798.2/16

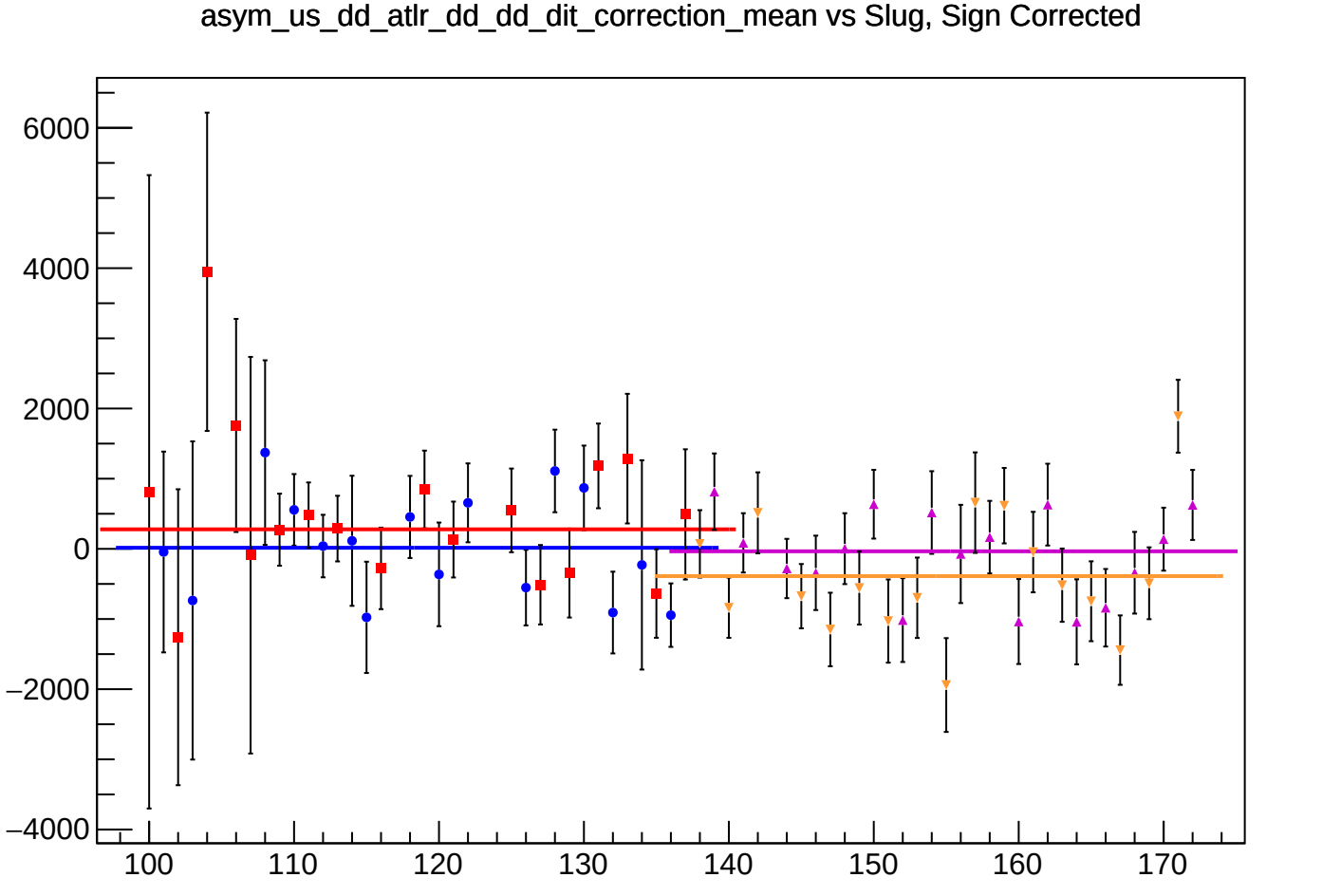
Left: 1101.027+/-0.149 χ^2/NDF: 65346.1/33

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

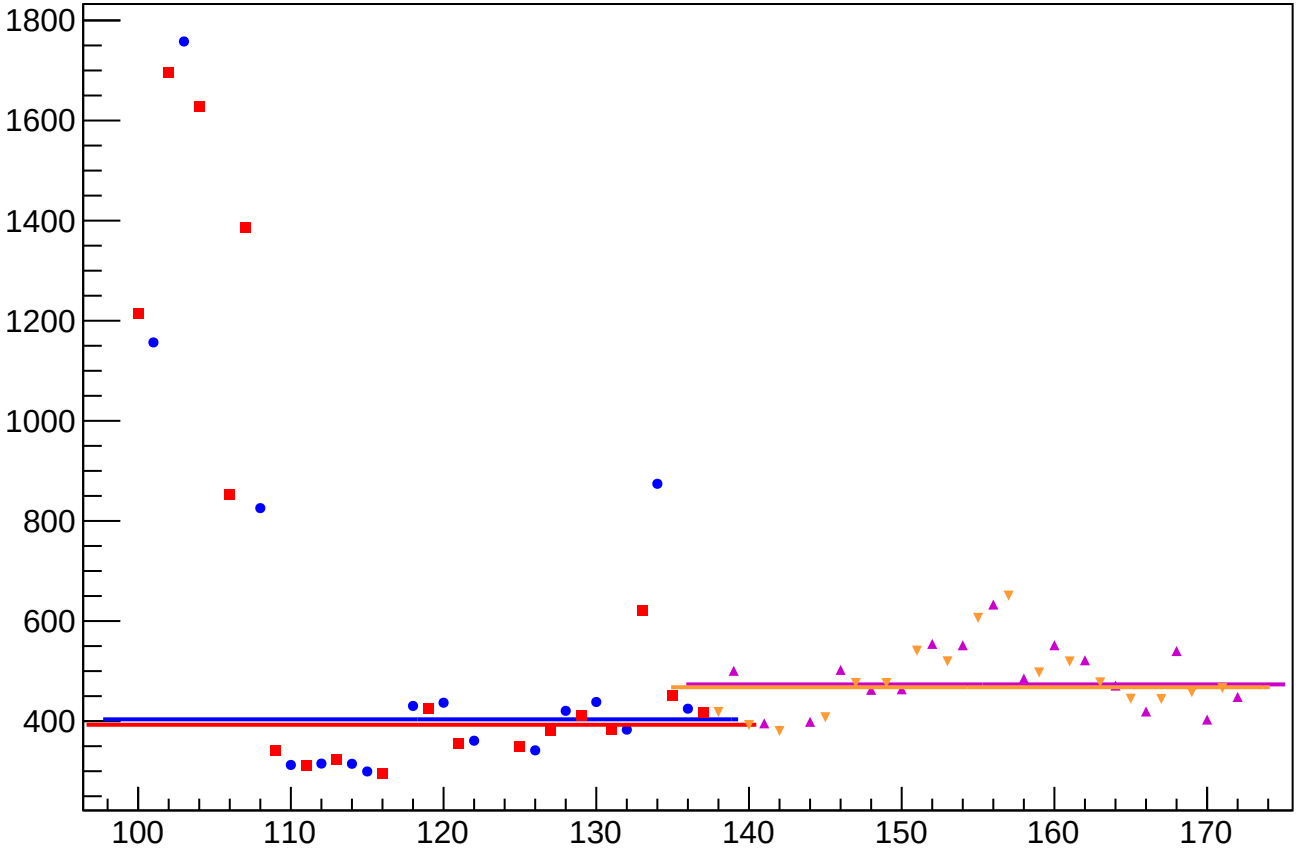
In: 1107.384+/-0.171 χ^2/NDF:651963.1/32

Out: 1111.976+/-0.174 χ^2/NDF:268725.7/34

All: 1109.638+/-0.122 χ^2/NDF: 921042.1/67


asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: 15.291+/-161.845 χ²/NDF: 19.6/15
Left Out: -388.522+/-129.313 χ²/NDF:44.2/16
Right Out: 278.251+/-158.828 χ²/NDF: 15.1/17
Left In: -34.822+/-127.731 χ²/NDF:19.9/16
Left: -209.495+/-90.873 χ²/NDF: 67.9/33
Right: 149.246+/-113.360 χ²/NDF: 36.0/33
In: -15.588+/-100.266 χ²/NDF:39.6/32
Out: -122.725+/-100.279 χ²/NDF:69.9/34
All: -69.150+/-70.904 χ²/NDF: 110.0/67

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: 467.813+/-0.091 χ^2/NDF:459457.7/16

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 473.438+/-0.090 χ^2/NDF:466593.0/16

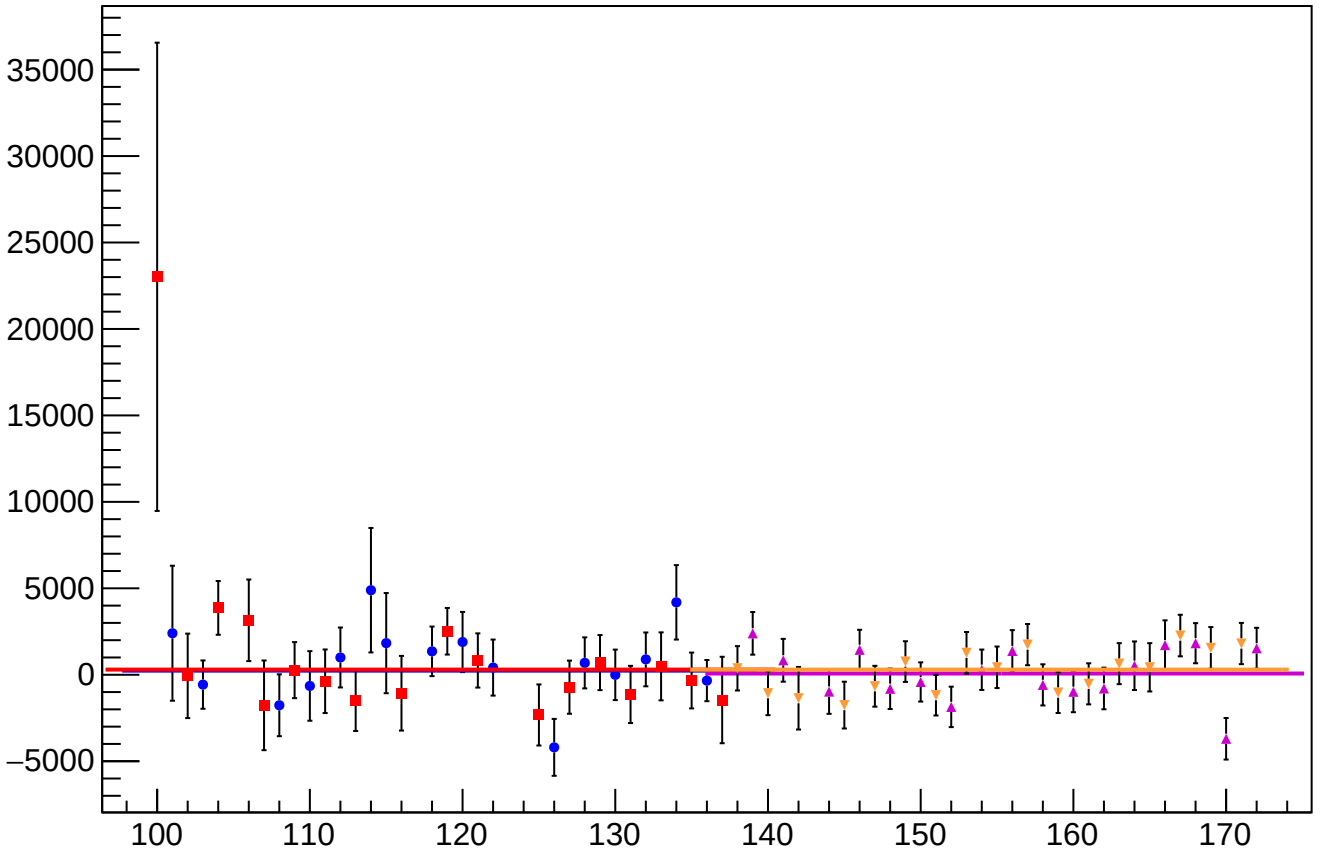
Left: 470.660+/-0.064 χ^2/NDF: 927966.6/33

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 446.655+/-0.071 χ^2/NDF:2625298.8/32

Out: 437.918+/-0.071 χ^2/NDF:2931047.3/34

All: 442.287+/-0.050 χ^2/NDF: 5563938.1/67



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: 297.206+/-300.562 χ^2/NDF:16.1/16

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: 71.941+/-294.005 χ^2/NDF:27.4/16

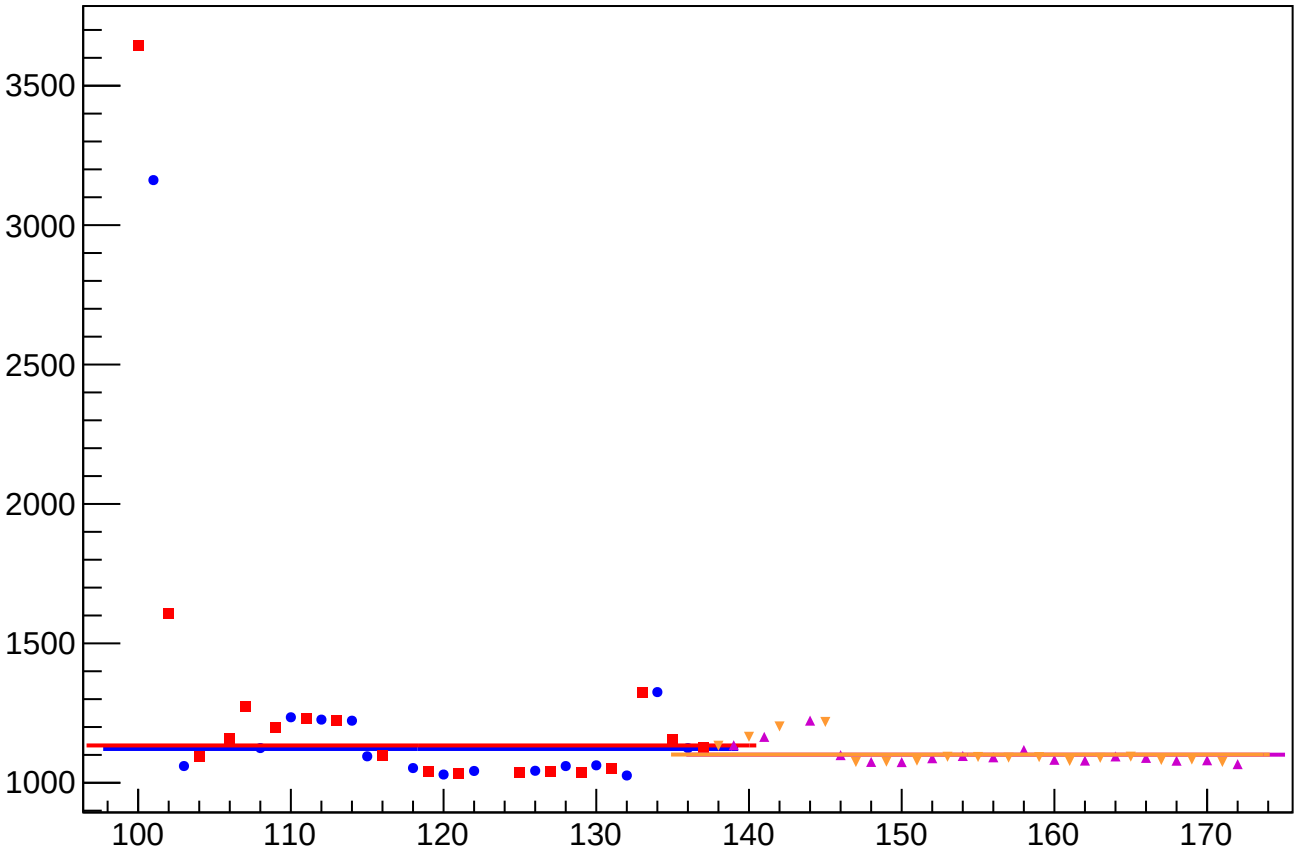
Left: 182.090+/-210.173 χ^2/NDF: 43.7/33

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 126.328+/-242.081 χ^2/NDF:44.4/32

Out: 297.768+/-246.492 χ^2/NDF:34.8/34

All: 210.500+/-172.715 χ^2/NDF: 79.4/67



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1101.288+/-0.213 χ^2/NDF:33545.2/16

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: 1101.027+/-0.149 χ^2/NDF: 65346.5/33

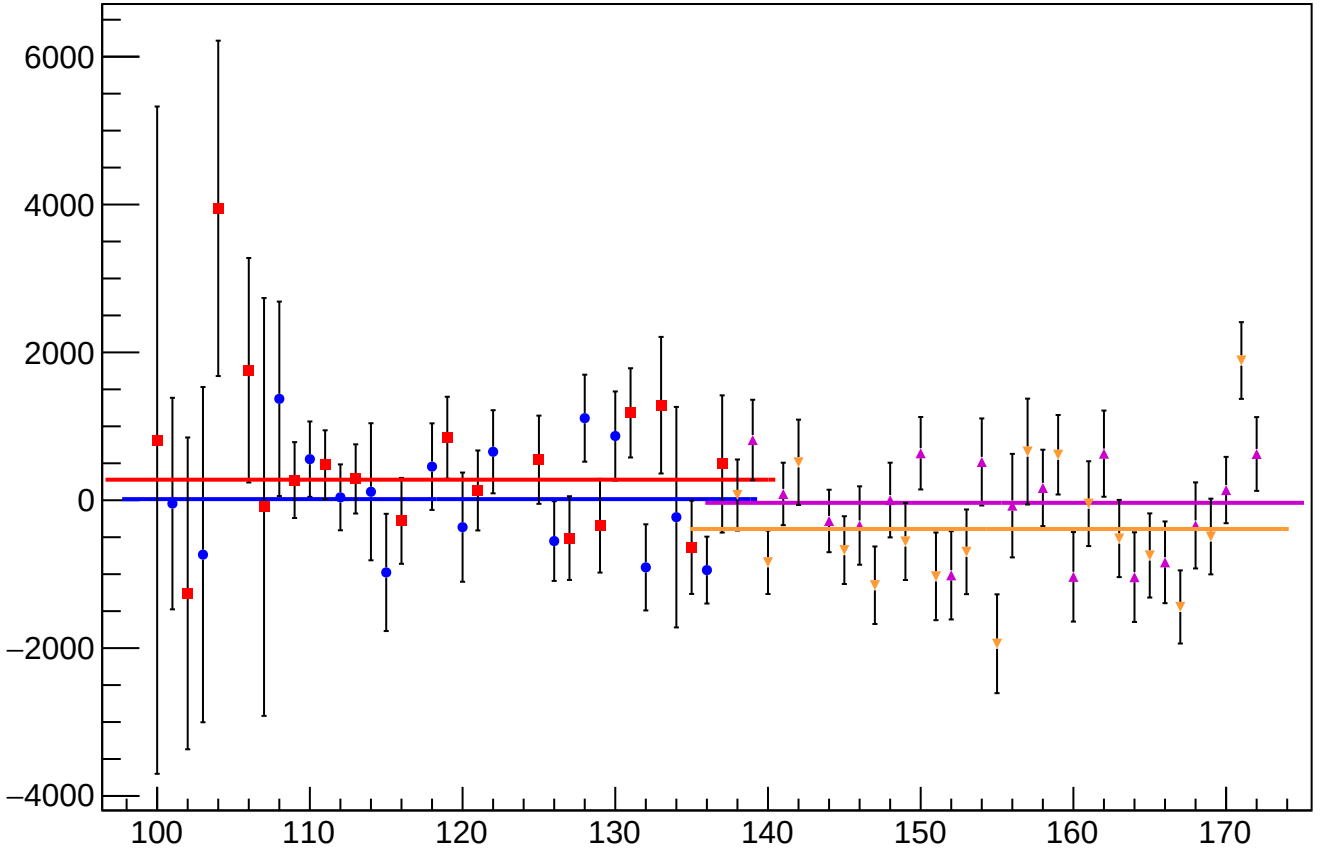
Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1107.384+/-0.171 χ^2/NDF:651963.3/32

Out: 1111.976+/-0.174 χ^2/NDF:268726.0/34

All: 1109.638+/-0.122 χ^2/NDF: 921042.6/67

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 15.288+/-161.844 χ^2/NDF: 19.6/15

Left Out: -388.523+/-129.313 χ^2/NDF:44.2/16

Right Out: 278.249+/-158.826 χ^2/NDF: 15.1/17

Left In: -34.821+/-127.731 χ^2/NDF:19.9/16

Left: -209.495+/-90.874 χ^2/NDF: 67.9/33

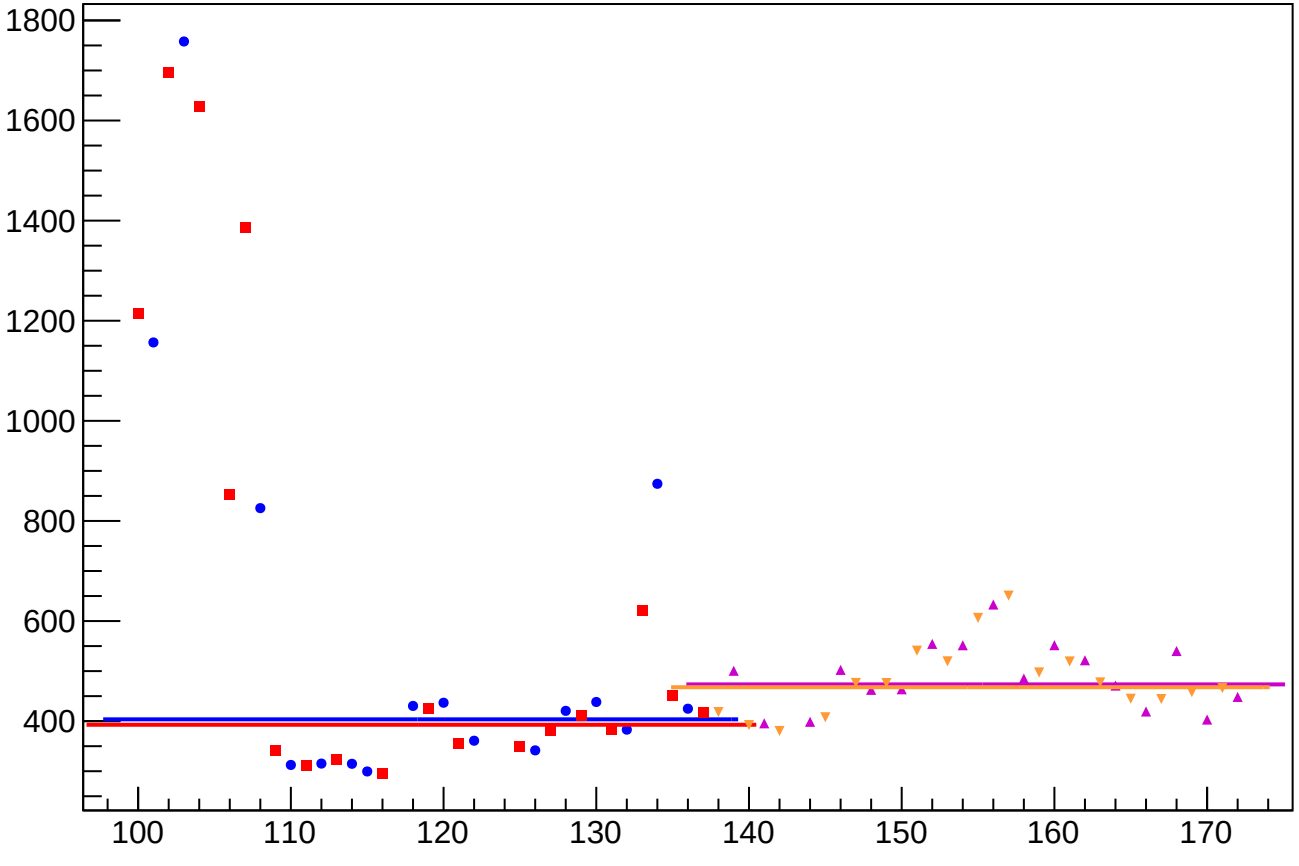
Right: 149.243+/-113.359 χ^2/NDF: 36.0/33

In: -15.589+/-100.266 χ^2/NDF:39.6/32

Out: -122.724+/-100.279 χ^2/NDF:69.9/34

All: -69.150+/-70.903 χ^2/NDF: 110.0/67

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: 467.813+/-0.091 χ^2/NDF:459480.7/16

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: 470.660+/-0.064 χ^2/NDF: 928000.6/33

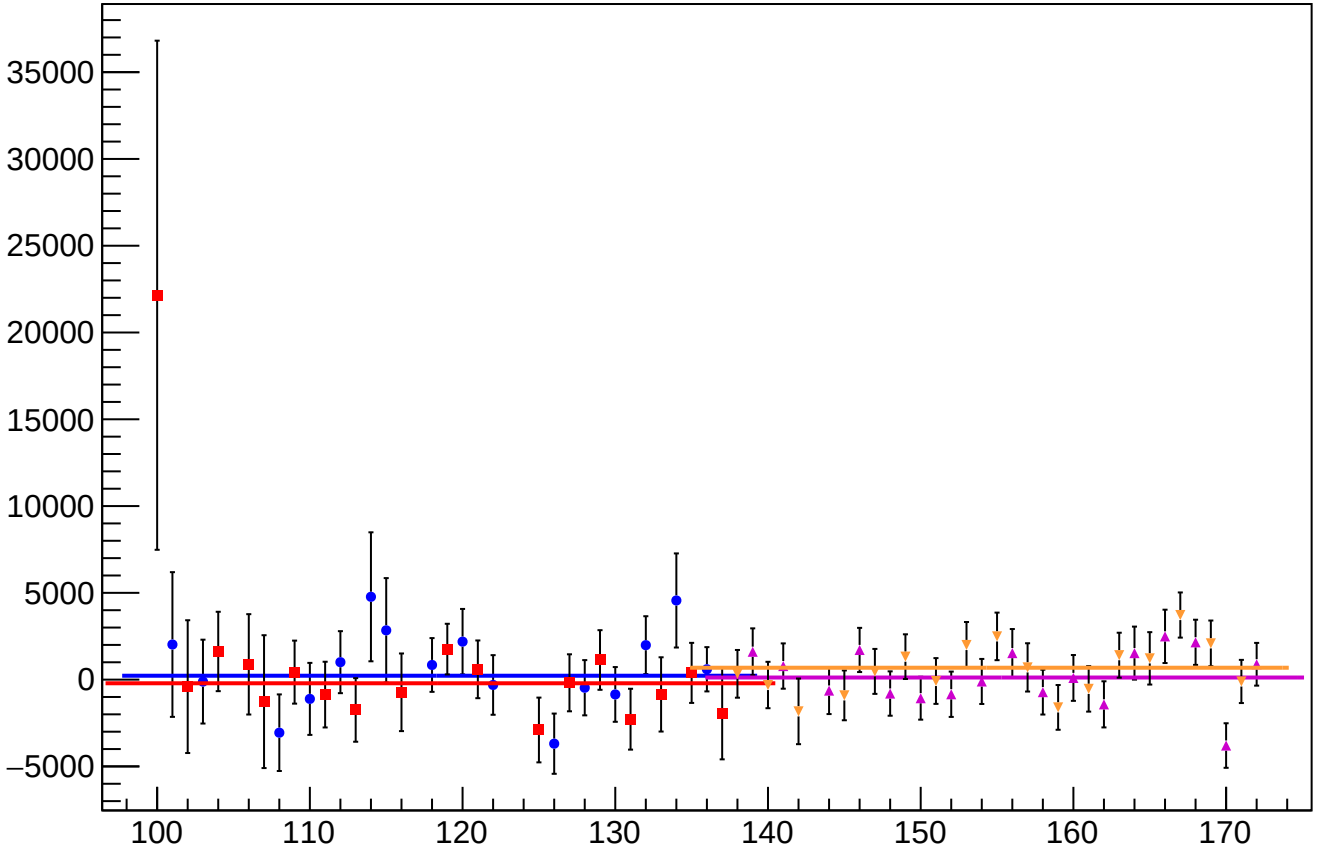
Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 446.654+/-0.071 χ^2/NDF:2625331.9/32

Out: 437.917+/-0.071 χ^2/NDF:2931101.5/34

All: 442.286+/-0.050 χ^2/NDF: 5564026.5/67

asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 685.271+/-328.234 χ^2/NDF:18.4/16

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: 121.315+/-320.786 χ^2/NDF:23.5/16

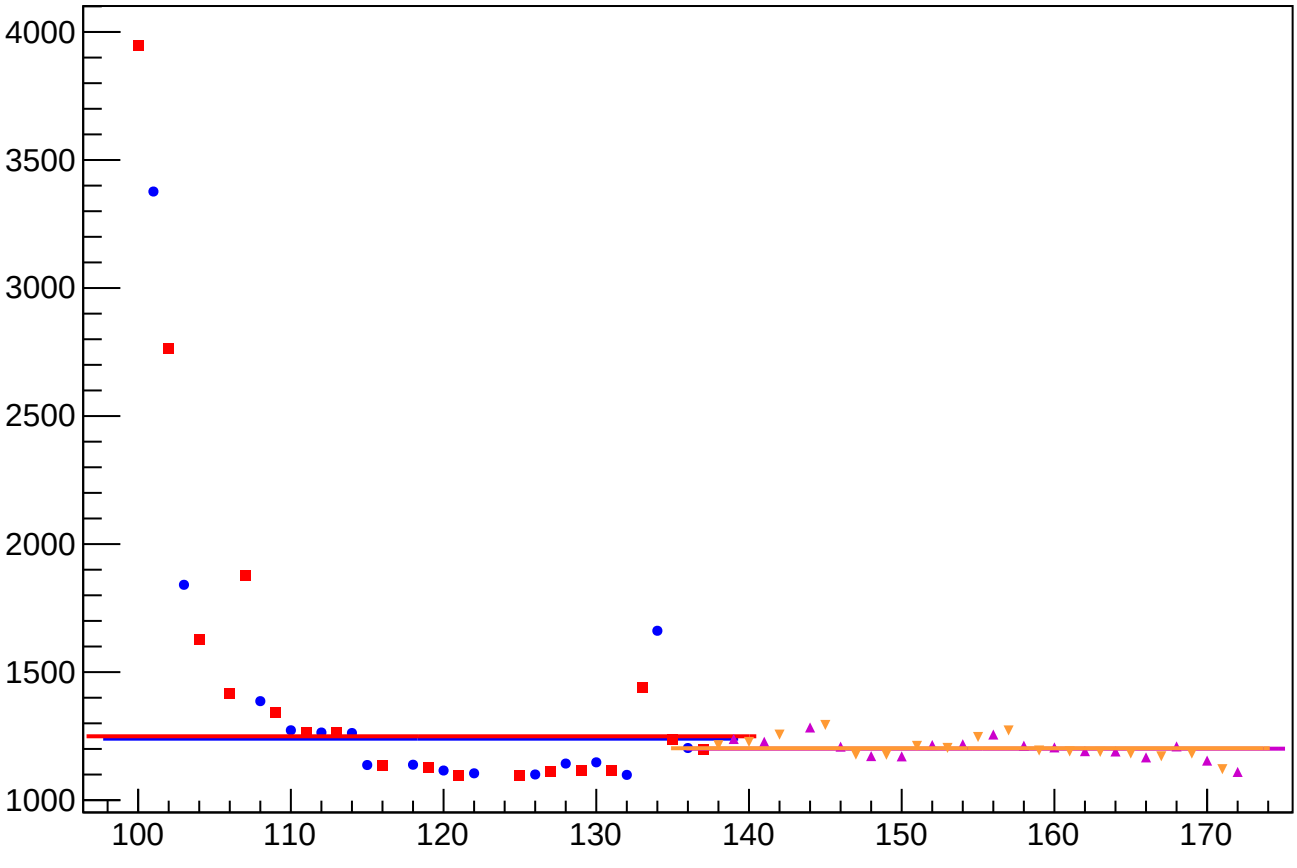
Left: 396.821+/-229.418 χ^2/NDF: 43.4/33

Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 153.776+/-265.764 χ^2/NDF:39.7/32

Out: 398.327+/-270.549 χ^2/NDF:31.7/34

All: 273.869+/-189.593 χ^2/NDF: 71.8/67



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1202.729+/-0.232 χ^2/NDF:30324.1/16

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1201.011+/-0.227 χ^2/NDF:30966.6/16

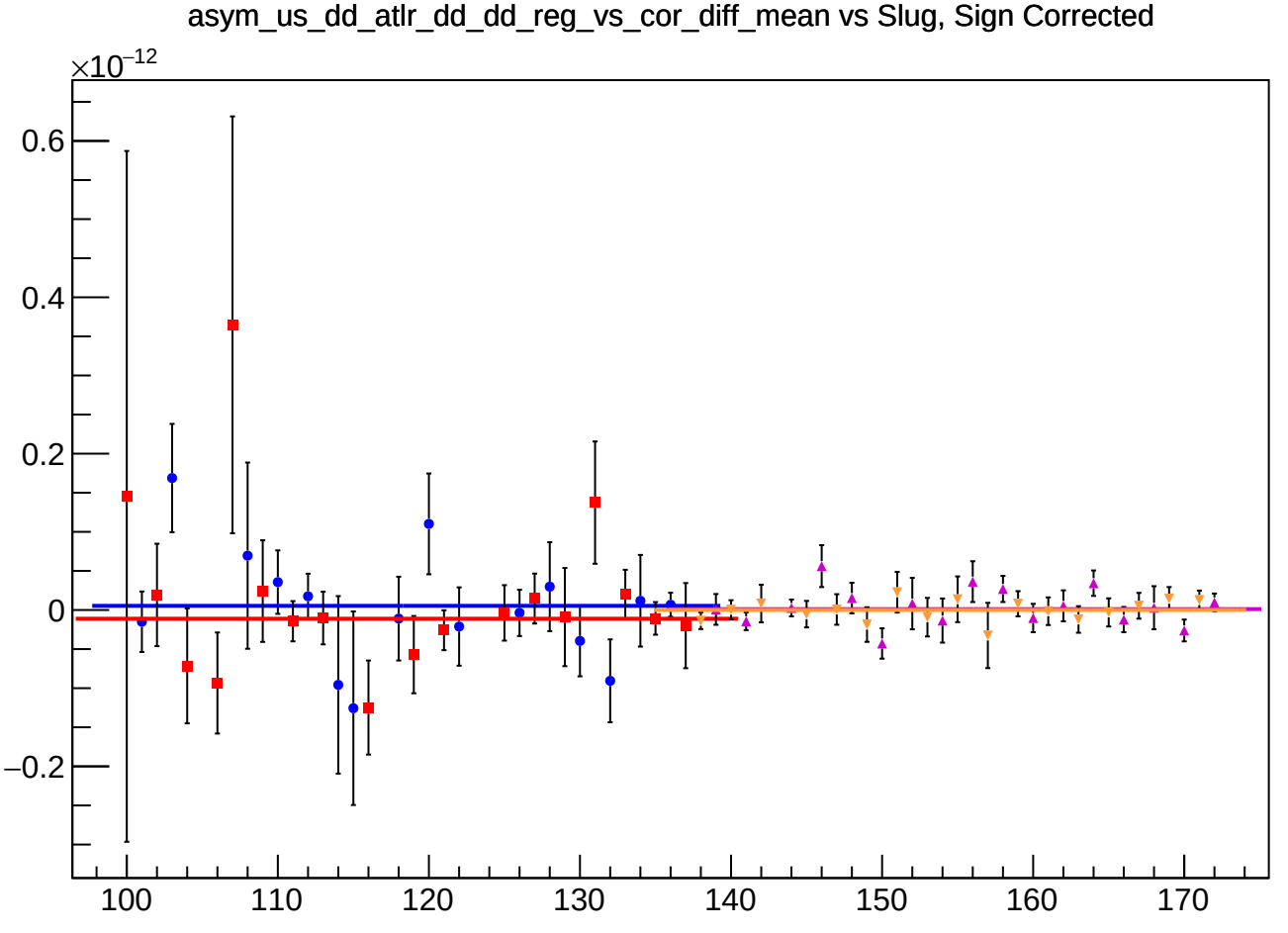
Left: 1201.850+/-0.162 χ^2/NDF: 61318.7/33

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1213.283+/-0.188 χ^2/NDF:822978.8/32

Out: 1217.695+/-0.191 χ^2/NDF:649392.8/34

All: 1215.450+/-0.134 χ^2/NDF: 1472642.3/67



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.3/16

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: 33.3/33

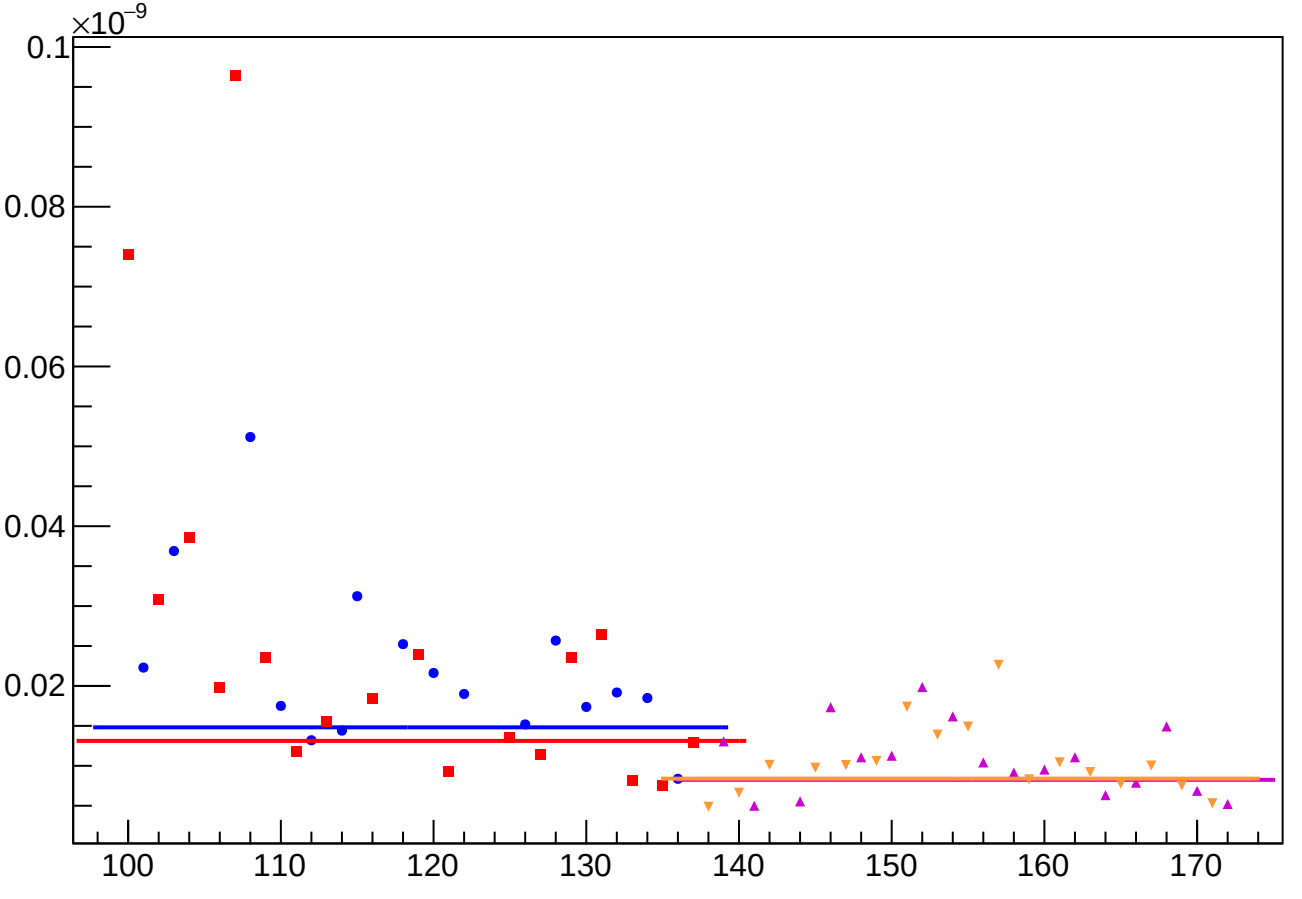
Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:42.5/32

Out: -0.000+/-0.000 χ^2/NDF:23.5/34

All: 0.000+/-0.000 χ^2/NDF: 66.4/67

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:1181704.6/16

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: 2698907.1/33

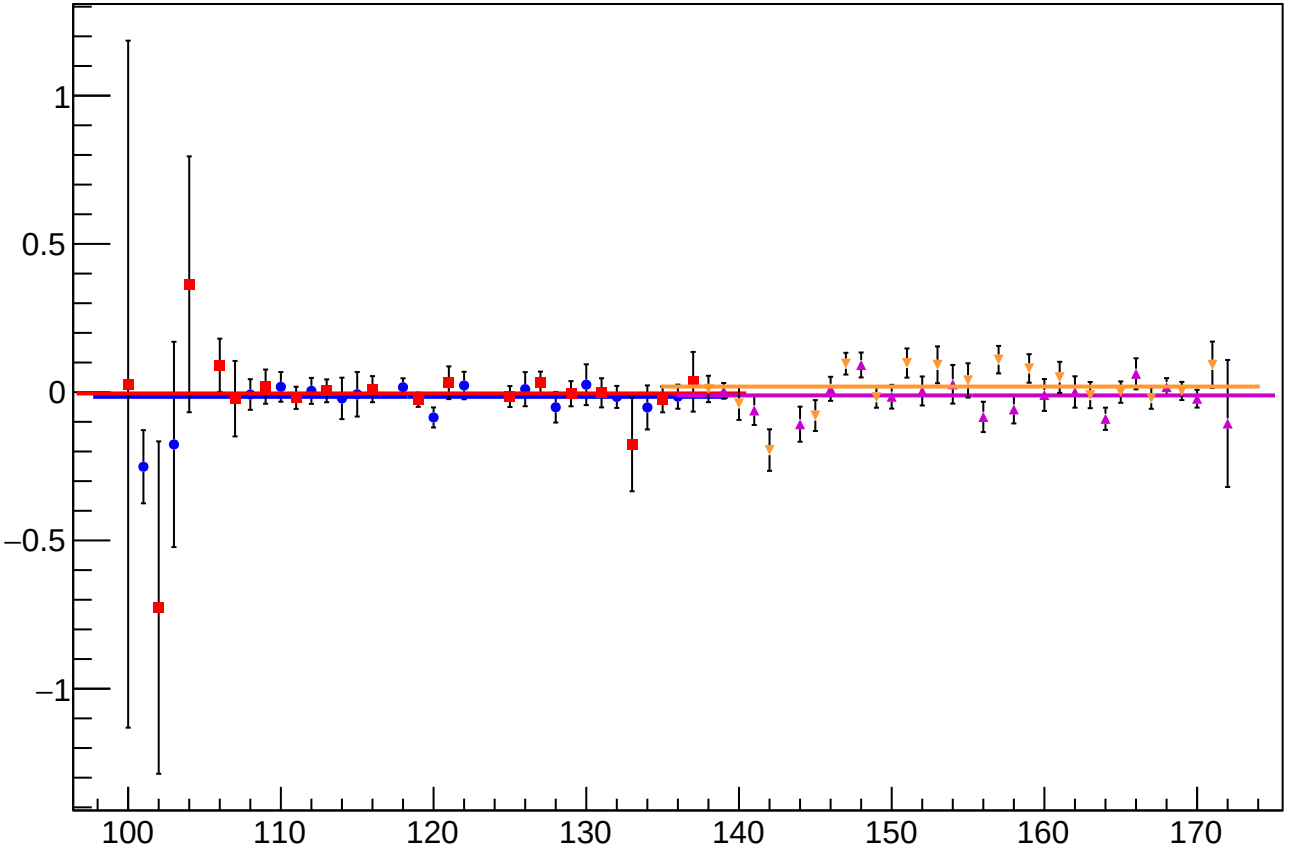
Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:3385037.3/32

Out: 0.000+/-0.000 χ^2/NDF:2789637.1/34

All: 0.000+/-0.000 χ^2/NDF: 6175081.3/67

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:32.3/16

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: 57.7/33

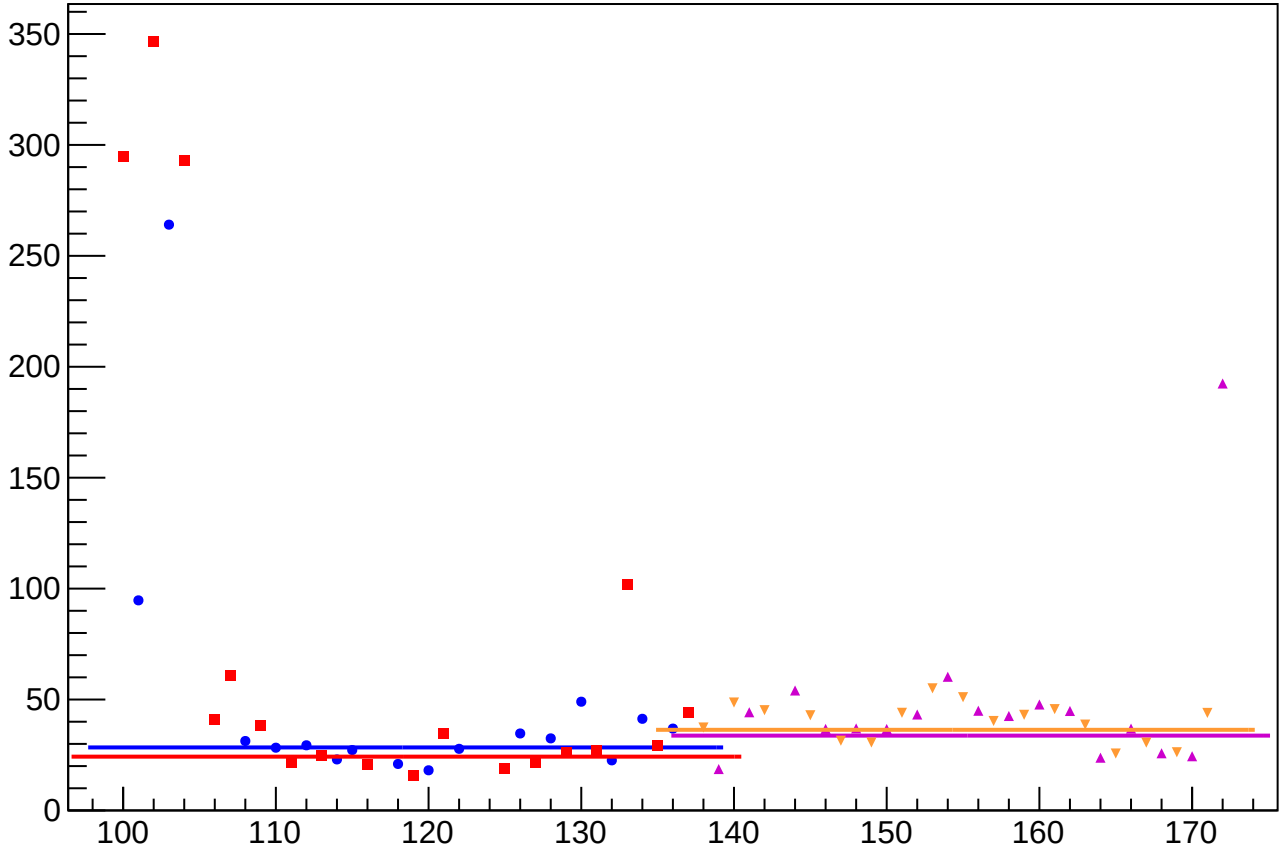
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.4/32

Out: 0.008+/-0.008 χ^2/NDF:42.3/34

All: -0.002+/-0.006 χ^2/NDF: 79.2/67

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: 36.349+/-0.008 χ^2/NDF:1198695.3/16

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: 34.972+/-0.005 χ^2/NDF: 4644590.2/33

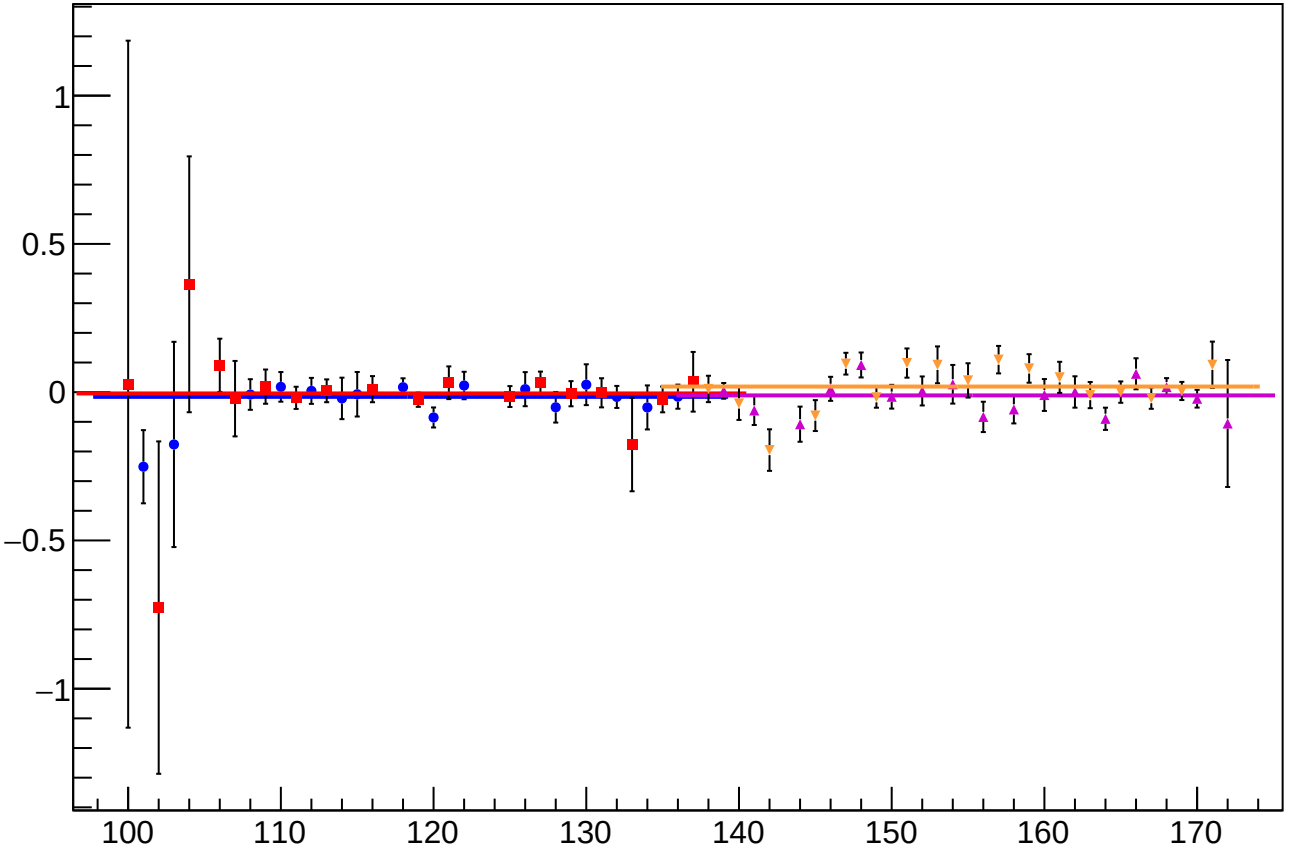
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 31.540+/-0.006 χ^2/NDF:5850400.0/32

Out: 30.613+/-0.006 χ^2/NDF:5287616.4/34

All: 31.075+/-0.004 χ^2/NDF: 11151811.7/67

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:32.3/16

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: 57.7/33

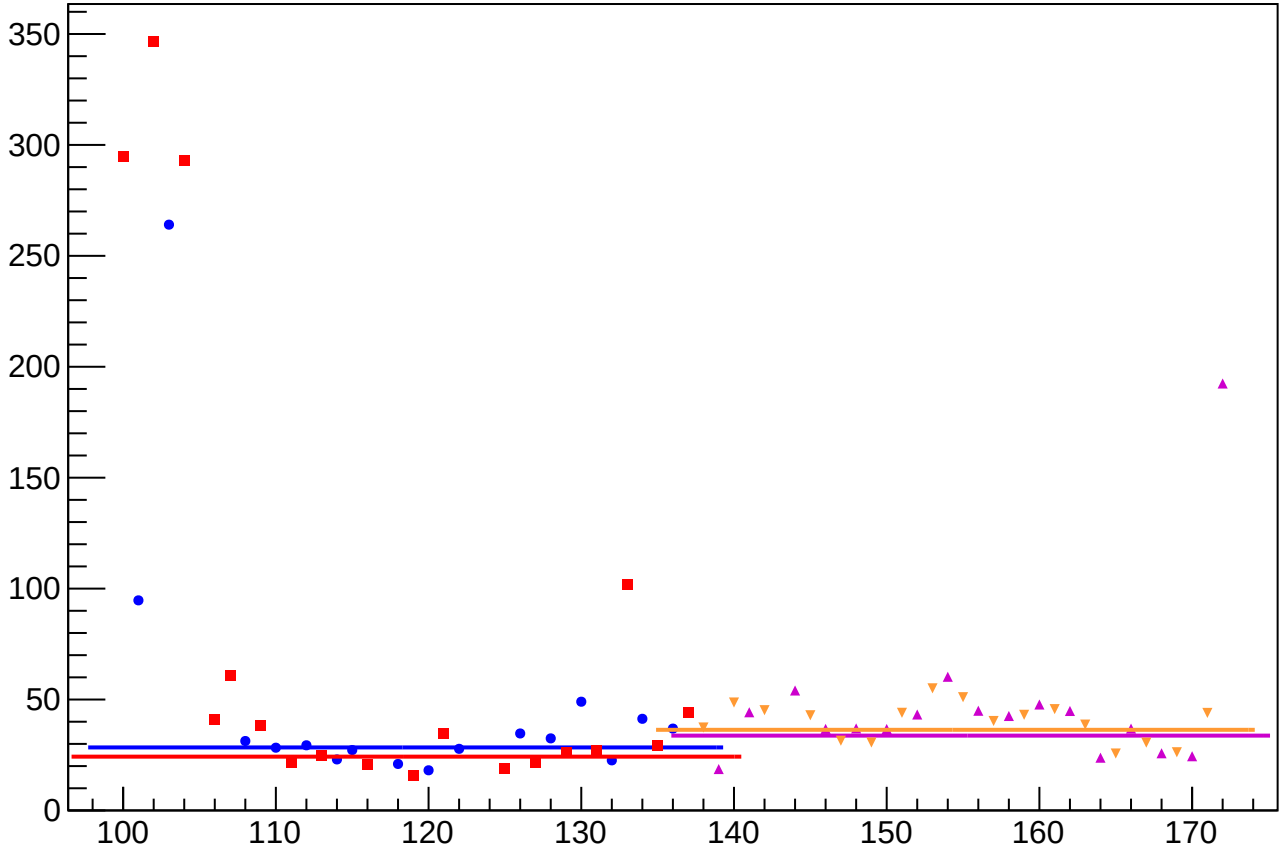
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.4/32

Out: 0.008+/-0.008 χ^2/NDF:42.3/34

All: -0.002+/-0.006 χ^2/NDF: 79.2/67

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: 36.349+/-0.008 χ^2/NDF:1198695.3/16

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: 34.972+/-0.005 χ^2/NDF: 4644590.2/33

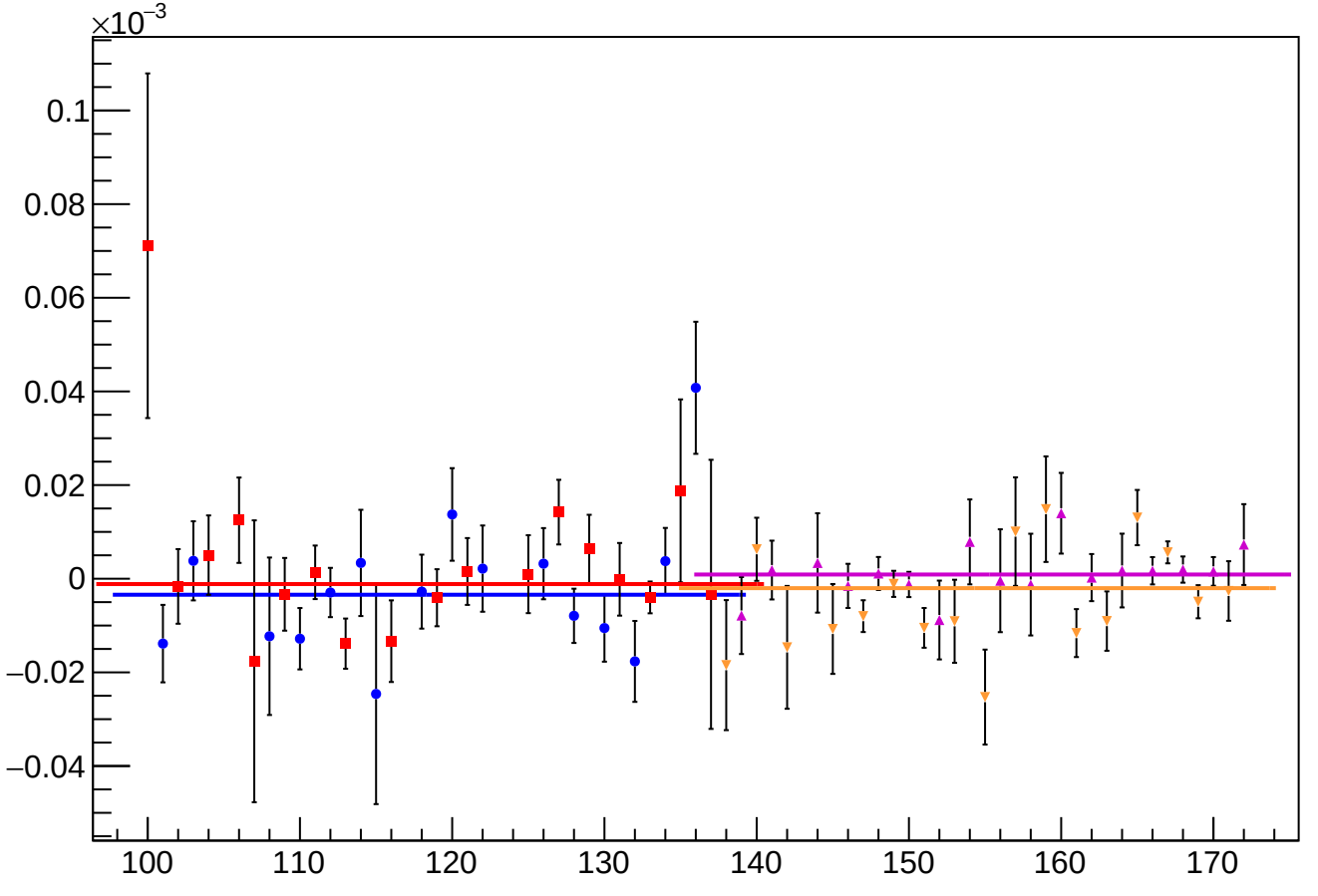
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 31.540+/-0.006 χ^2/NDF:5850400.0/32

Out: 30.613+/-0.006 χ^2/NDF:5287616.4/34

All: 31.075+/-0.004 χ^2/NDF: 11151811.7/67

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:43.7/16

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:7.2/16

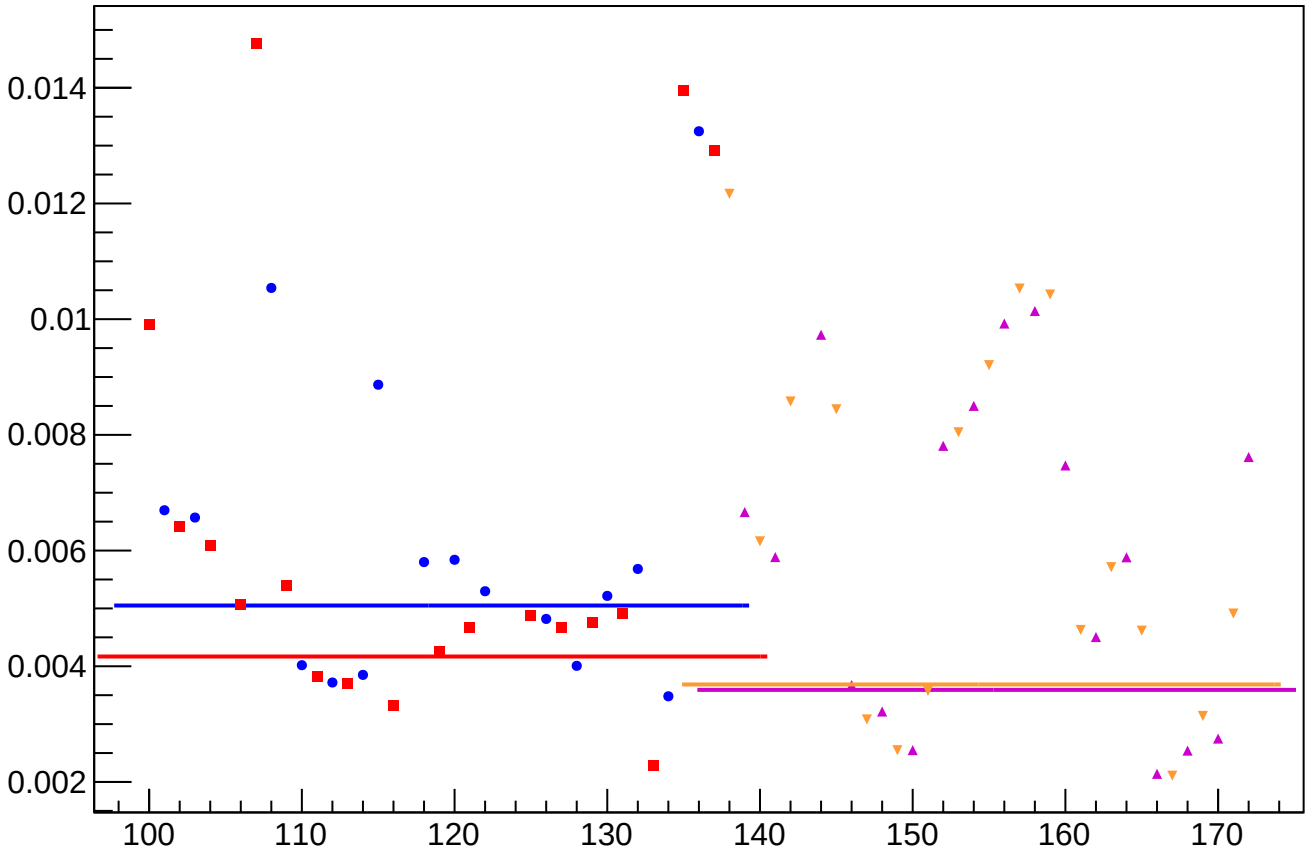
Left: -0.000+/-0.000 χ^2/NDF: 54.1/33

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:66.8/34

All: -0.000+/-0.000 χ^2/NDF: 104.0/67



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:6018434.2/16

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: 12049428.2/33

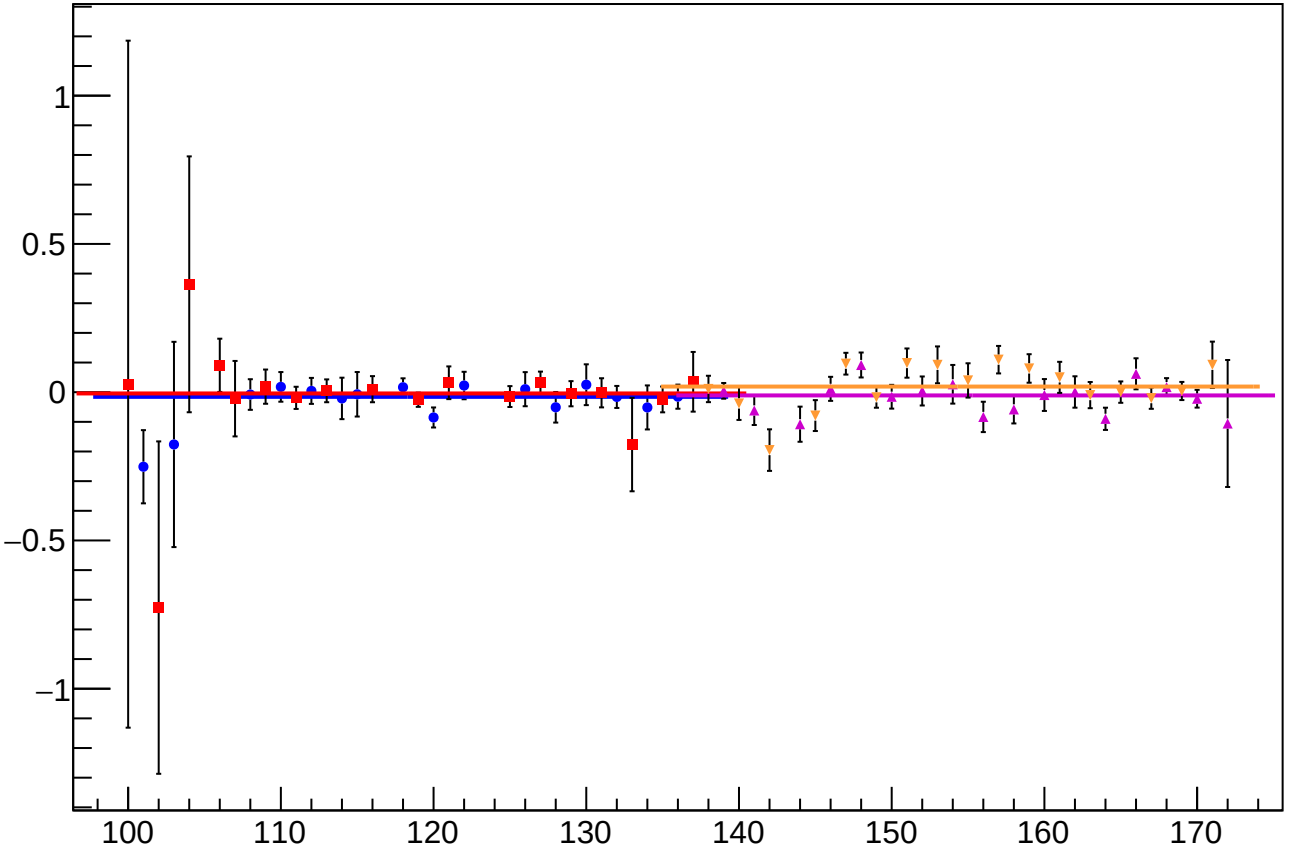
Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.004+/-0.000 χ^2/NDF:8311402.4/32

Out: 0.004+/-0.000 χ^2/NDF:8170181.3/34

All: 0.004+/-0.000 χ^2/NDF: 16491098.5/67

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:32.3/16

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: 57.7/33

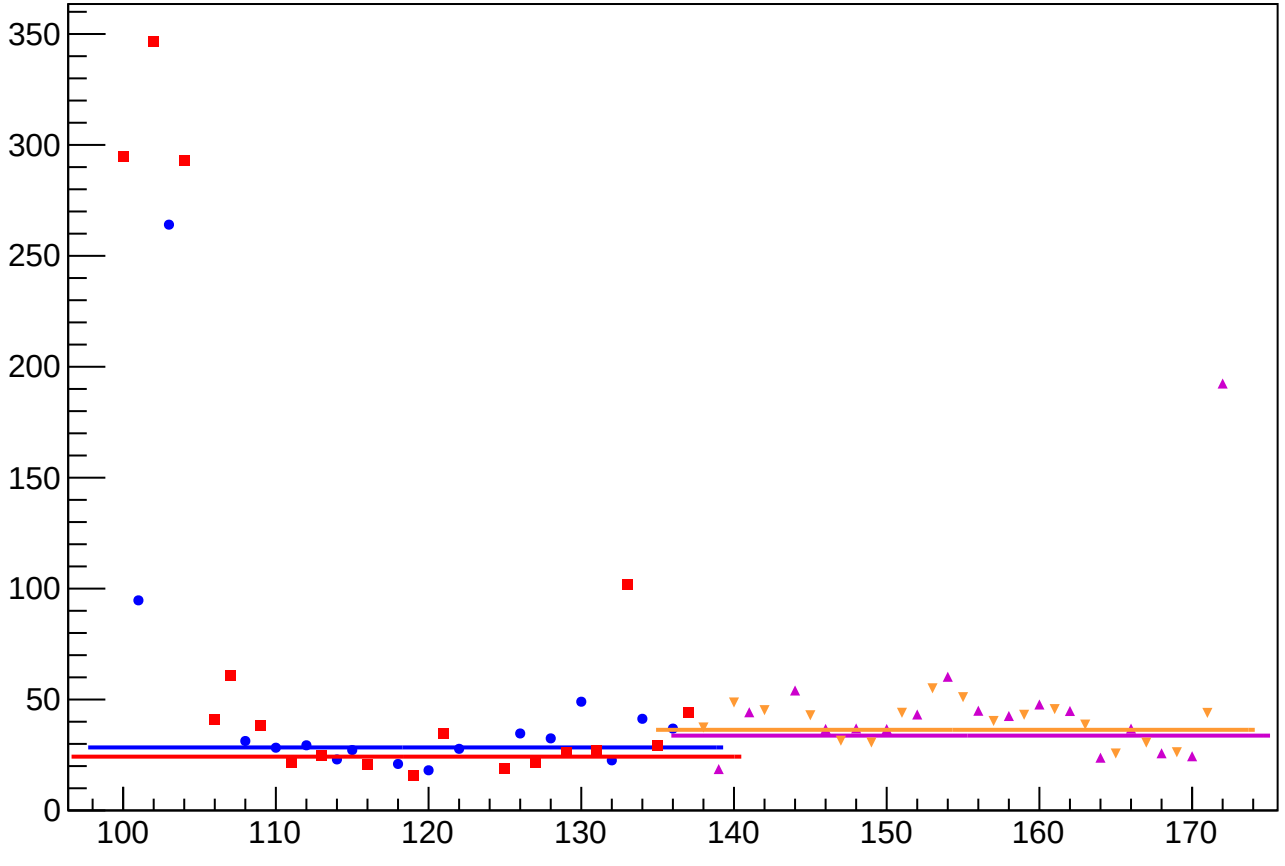
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.4/32

Out: 0.008+/-0.008 χ^2/NDF:42.3/34

All: -0.002+/-0.006 χ^2/NDF: 79.2/67

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: 36.349+/-0.008 χ^2/NDF:1198879.2/16

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: 34.972+/-0.005 χ^2/NDF: 4645192.2/33

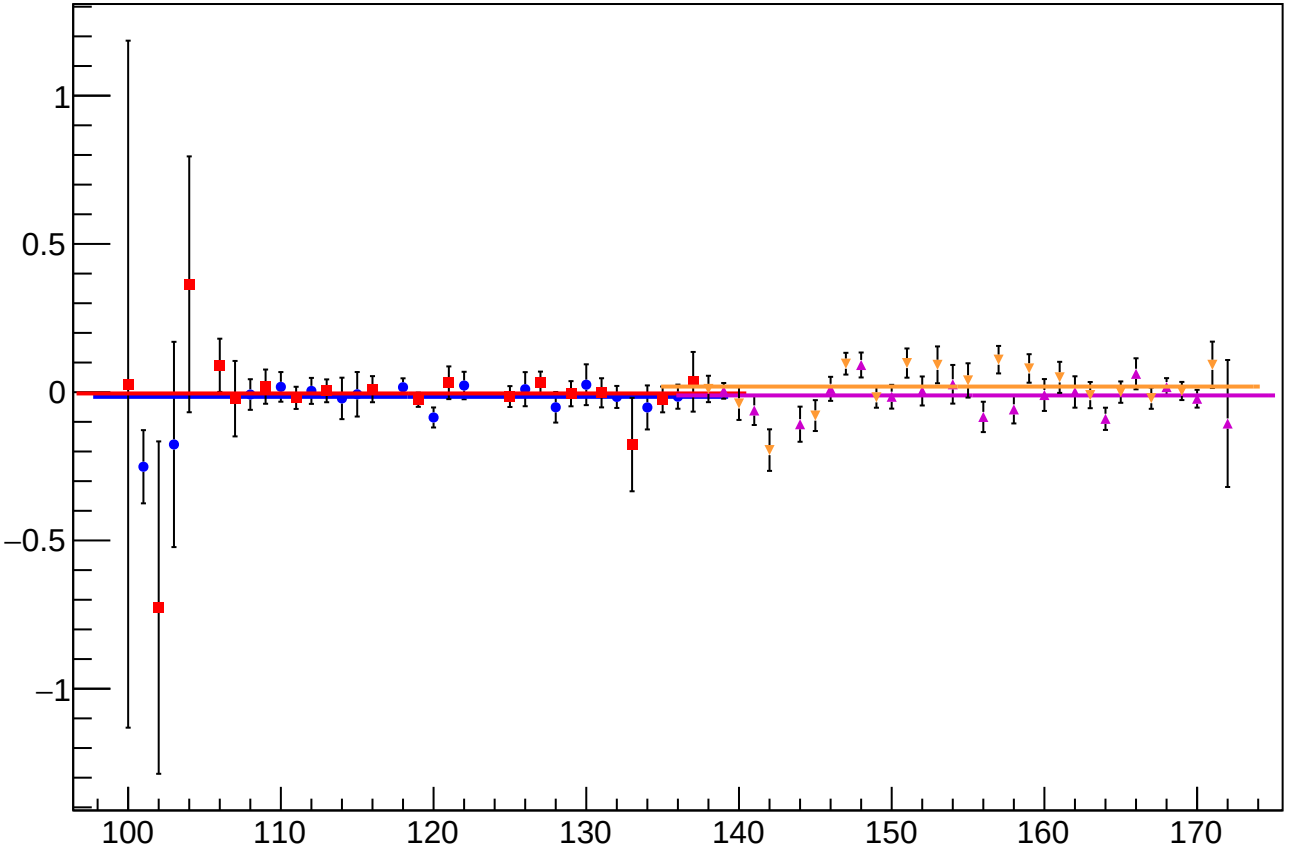
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 31.540+/-0.006 χ^2/NDF:5850816.4/32

Out: 30.612+/-0.006 χ^2/NDF:5288336.1/34

All: 31.074+/-0.004 χ^2/NDF: 11152977.7/67

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:32.3/16

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: 57.7/33

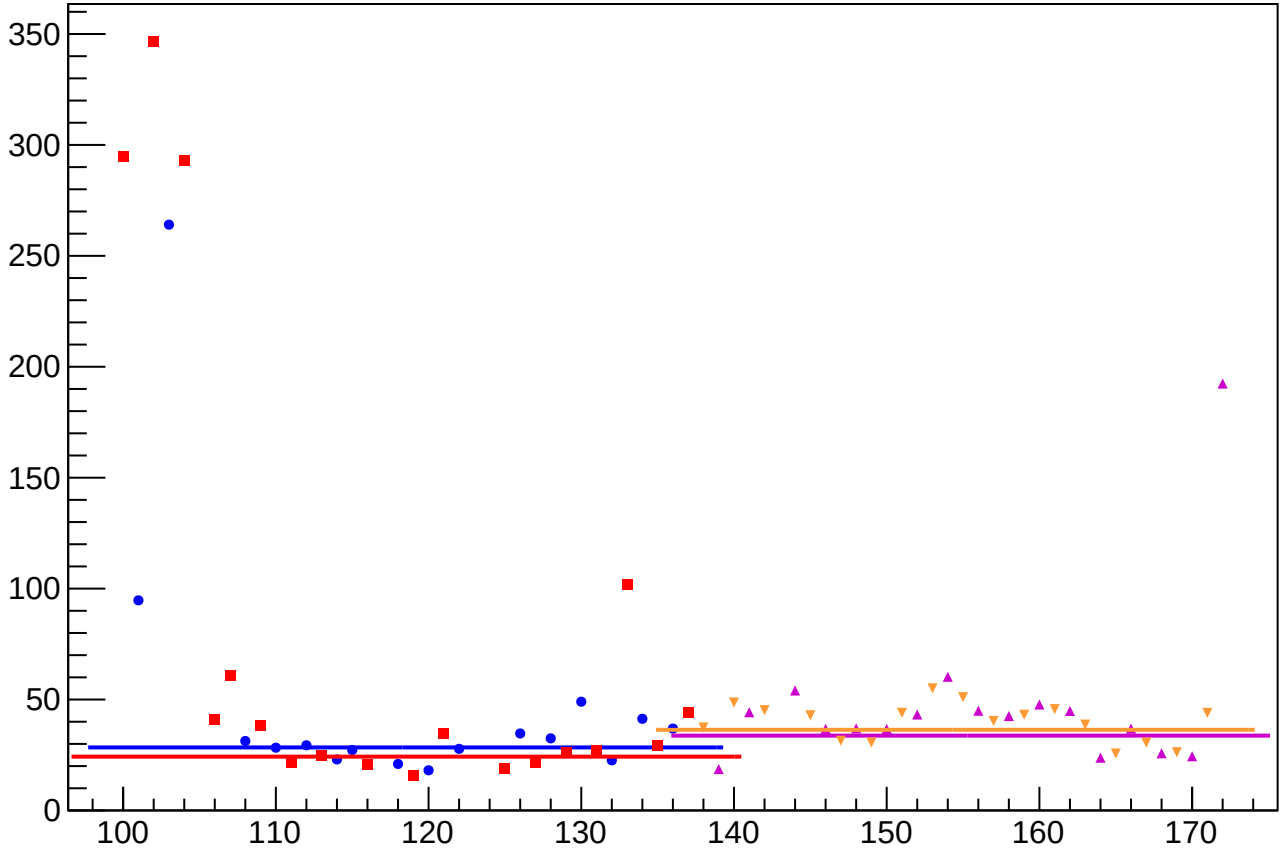
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.4/32

Out: 0.008+/-0.008 χ^2/NDF:42.3/34

All: -0.002+/-0.006 χ^2/NDF: 79.2/67

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: 36.349+/-0.008 χ^2/NDF:1198879.2/16

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 33.733+/-0.007 χ^2/NDF:3385288.2/16

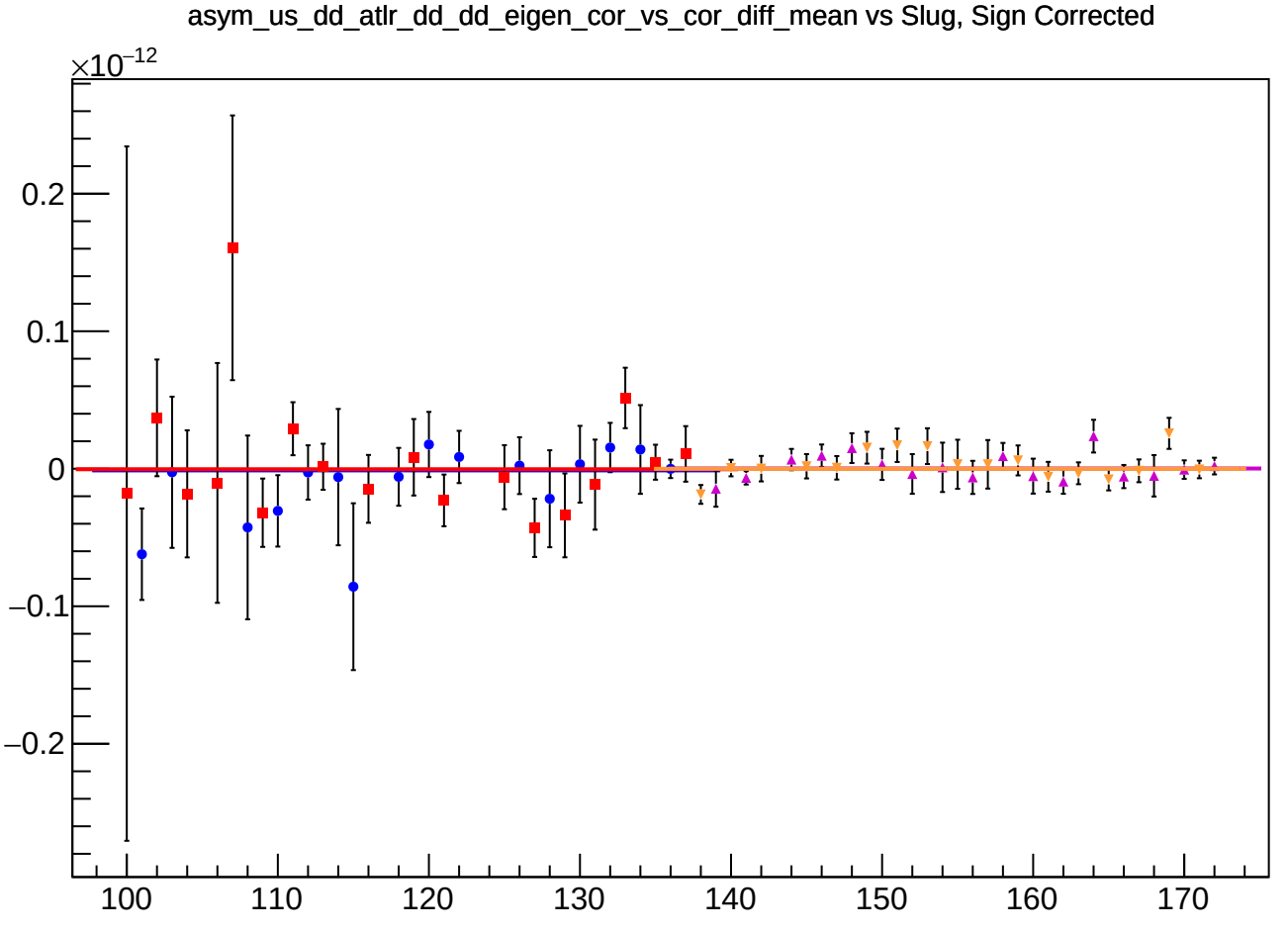
Left: 34.972+/-0.005 χ^2/NDF: 4645192.2/33

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 31.540+/-0.006 χ^2/NDF:5850816.4/32

Out: 30.612+/-0.006 χ^2/NDF:5288336.1/34

All: 31.074+/-0.004 χ^2/NDF: 11152977.7/67



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.8/16

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: 0.000+/-0.000 χ^2/NDF:14.3/16

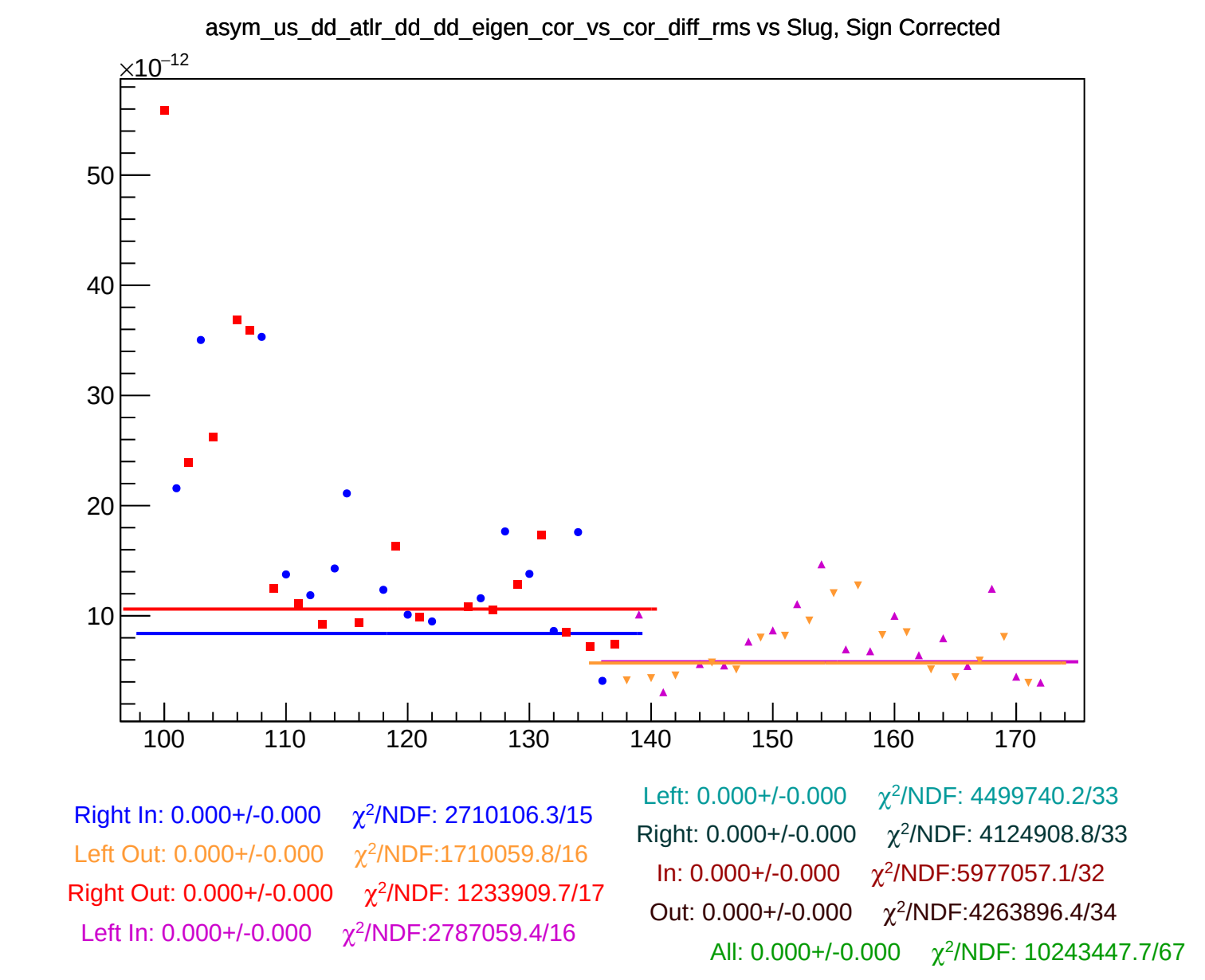
Left: 0.000+/-0.000 χ^2/NDF: 34.2/33

Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

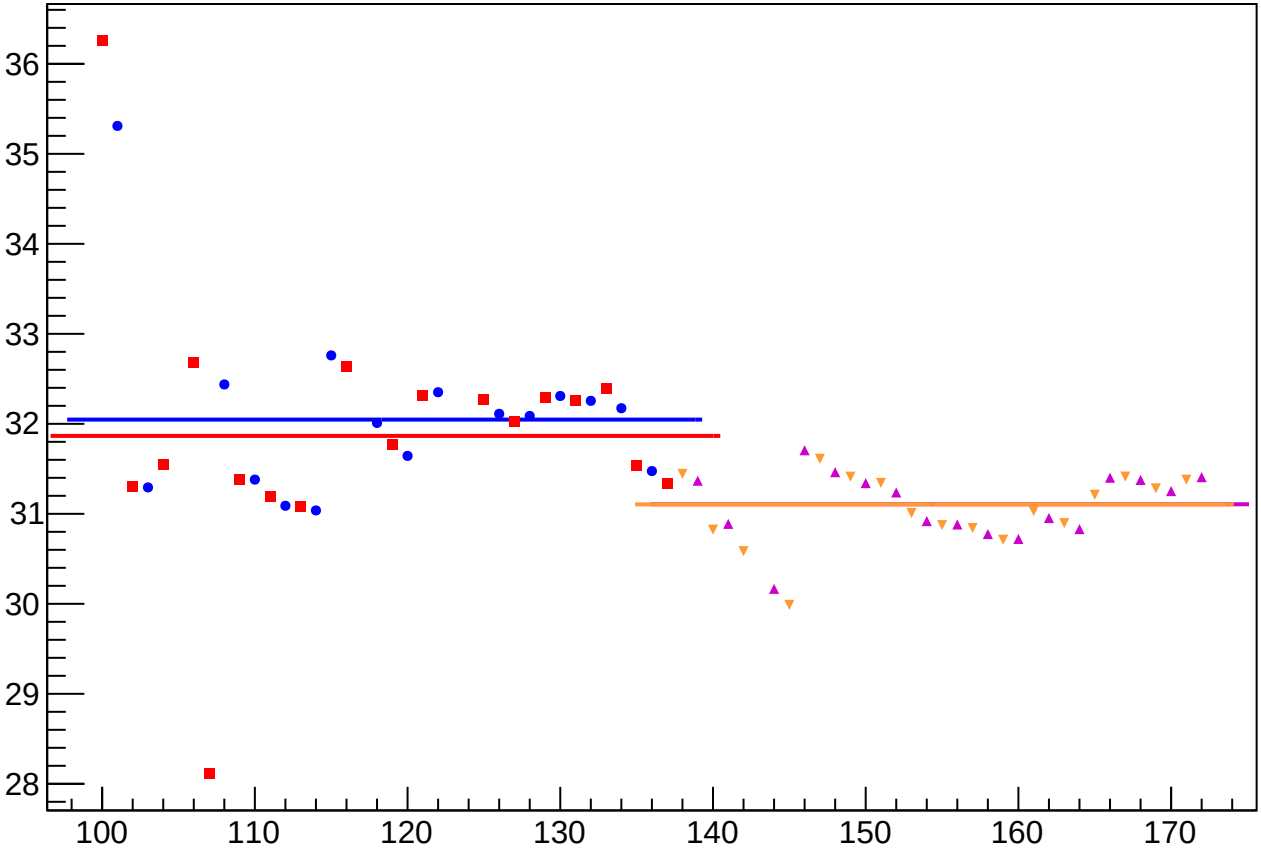
In: -0.000+/-0.000 χ^2/NDF:23.8/32

Out: -0.000+/-0.000 χ^2/NDF:40.9/34

All: -0.000+/-0.000 χ^2/NDF: 64.7/67


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2710106.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1710059.8/16
Right Out: 0.000+/-0.000 χ²/NDF: 1233909.7/17
Left In: 0.000+/-0.000 χ²/NDF:2787059.4/16
Left: 0.000+/-0.000 χ²/NDF: 4499740.2/33
Right: 0.000+/-0.000 χ²/NDF: 4124908.8/33
In: 0.000+/-0.000 χ²/NDF:5977057.1/32
Out: 0.000+/-0.000 χ²/NDF:4263896.4/34
All: 0.000+/-0.000 χ²/NDF: 10243447.7/67

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.105+/-0.000 χ^2/NDF:256683583.3/16

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: 31.106+/-0.000 χ^2/NDF: 522325569.6/33

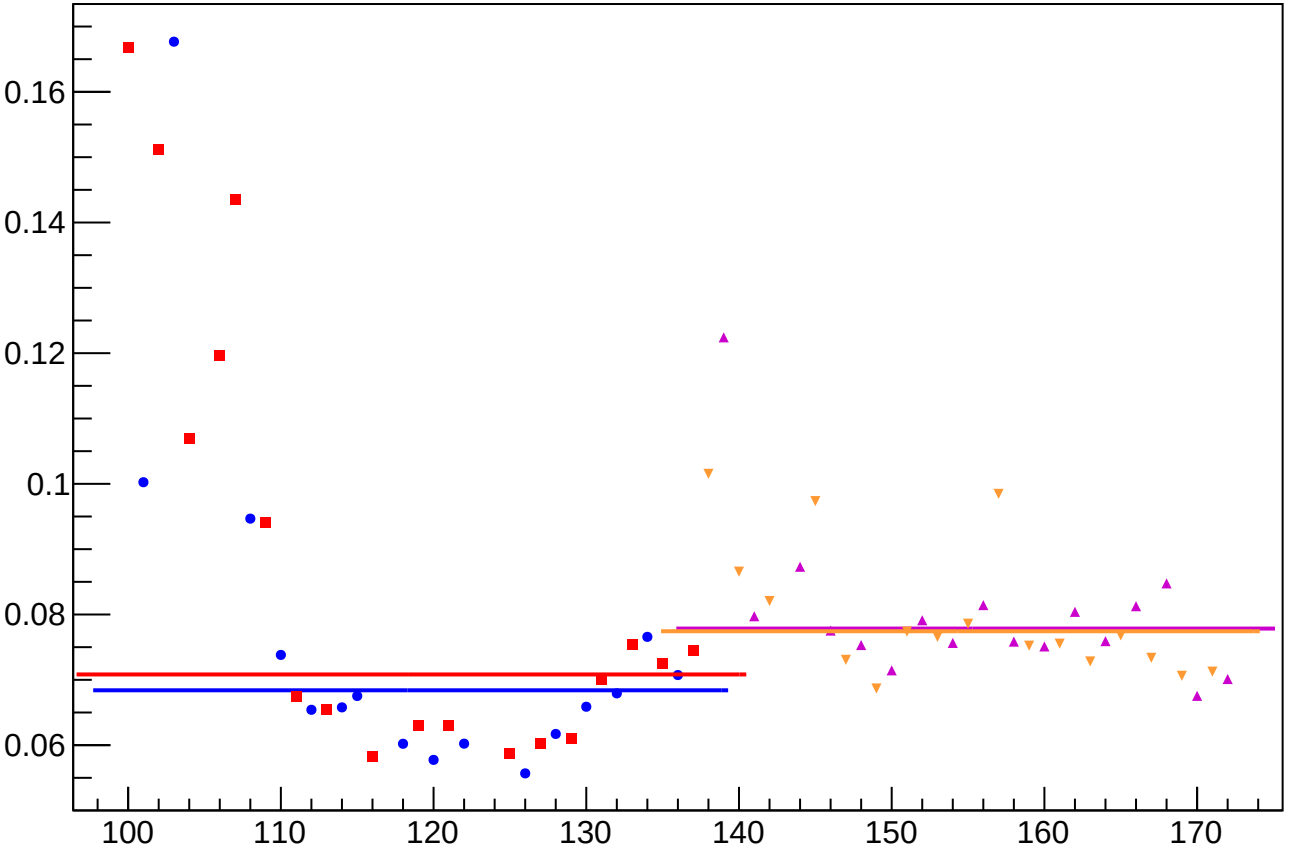
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.475+/-0.000 χ^2/NDF:1883550443.7/32

Out: 31.396+/-0.000 χ^2/NDF:1186579256.0/34

All: 31.437+/-0.000 χ^2/NDF: 3080677611.4/6

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.077+/-0.000 χ^2/NDF:293840.7/16

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: 0.078+/-0.000 χ^2/NDF: 613327.7/33

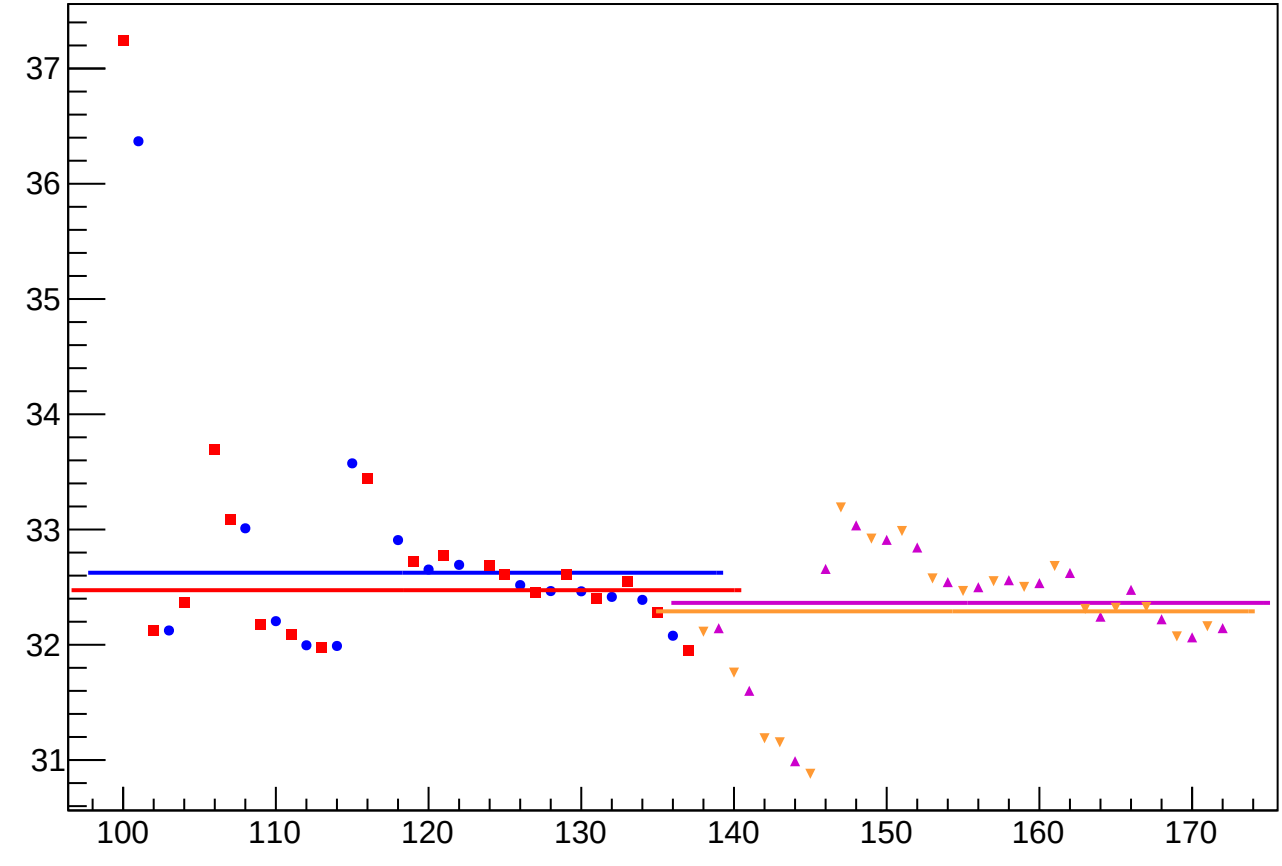
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.074+/-0.000 χ^2/NDF:1167514.9/32

Out: 0.075+/-0.000 χ^2/NDF:1229174.3/34

All: 0.075+/-0.000 χ^2/NDF: 2398668.0/67

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.290+/-0.000 χ^2/NDF:783076607.1/17

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: 32.327+/-0.000 χ^2/NDF: 1347117731.5/34

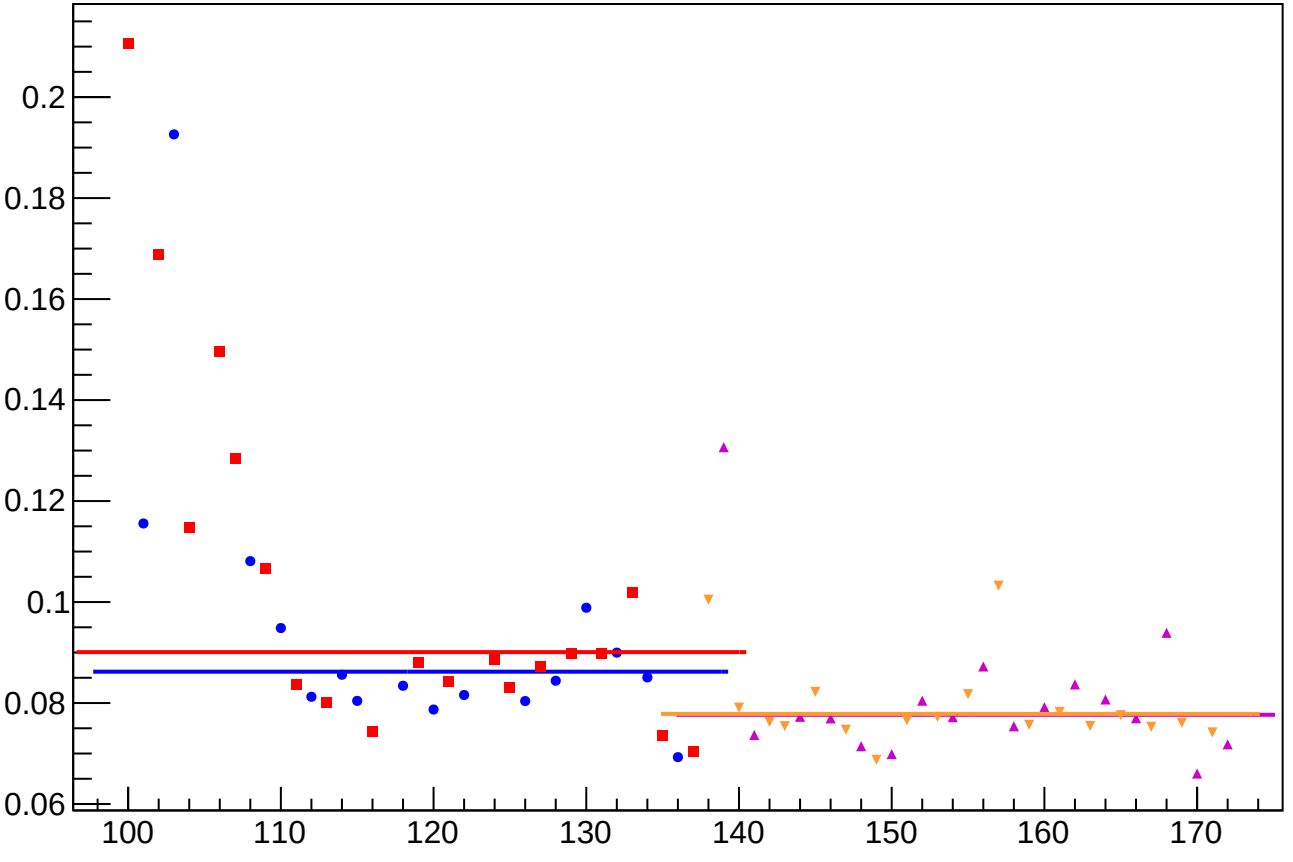
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.438+/-0.000 χ^2/NDF:1338715309.4/32

Out: 32.340+/-0.000 χ^2/NDF:959320183.4/36

All: 32.389+/-0.000 χ^2/NDF: 2312193113.5/6

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.078+/-0.000 χ^2/NDF:205362.0/17

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: 0.078+/-0.000 χ^2/NDF: 648703.8/34

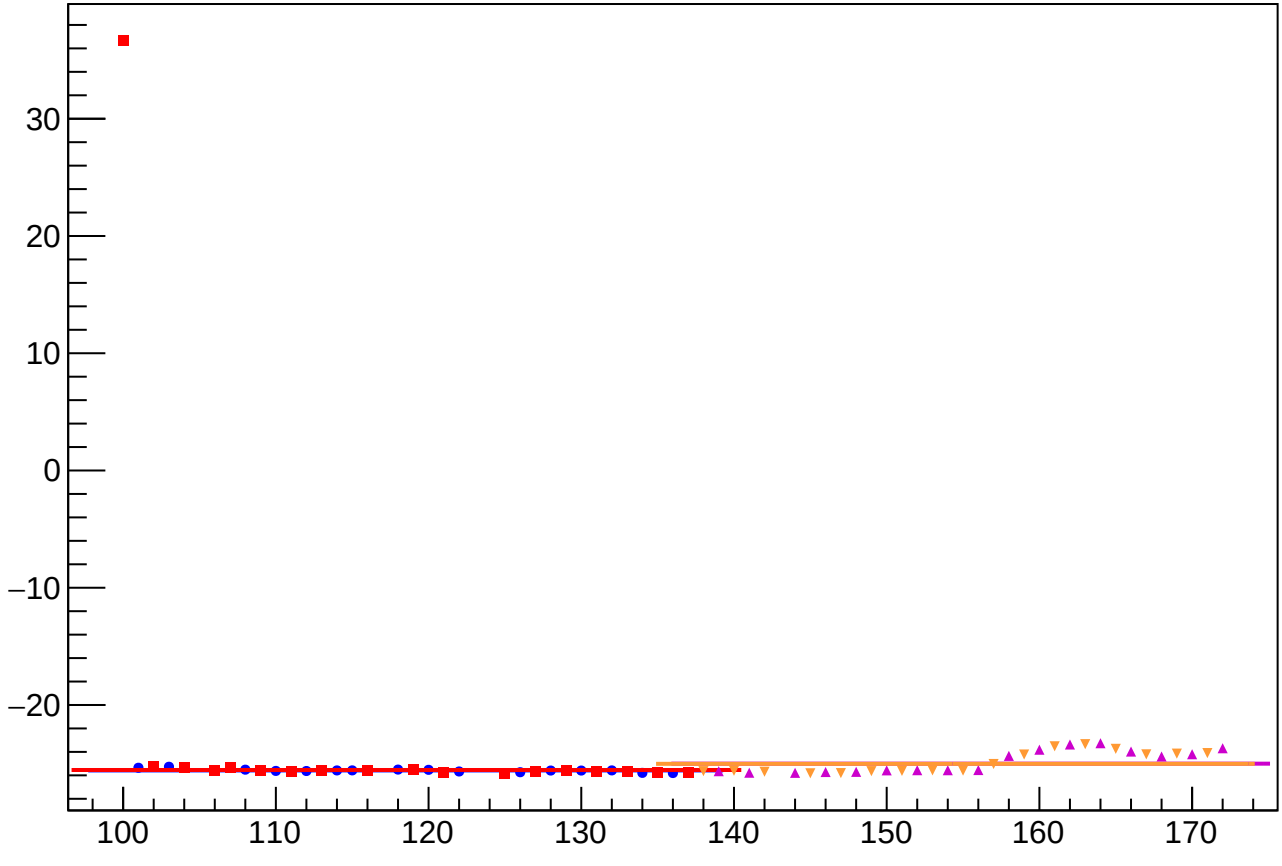
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.080+/-0.000 χ^2/NDF:1129953.5/32

Out: 0.081+/-0.000 χ^2/NDF:1000296.9/36

All: 0.081+/-0.000 χ^2/NDF: 2133624.9/69

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -25.017+/-0.000 χ^2/NDF:4644390496.9/16

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: -25.010+/-0.000 χ^2/NDF: 10013342723.0/33

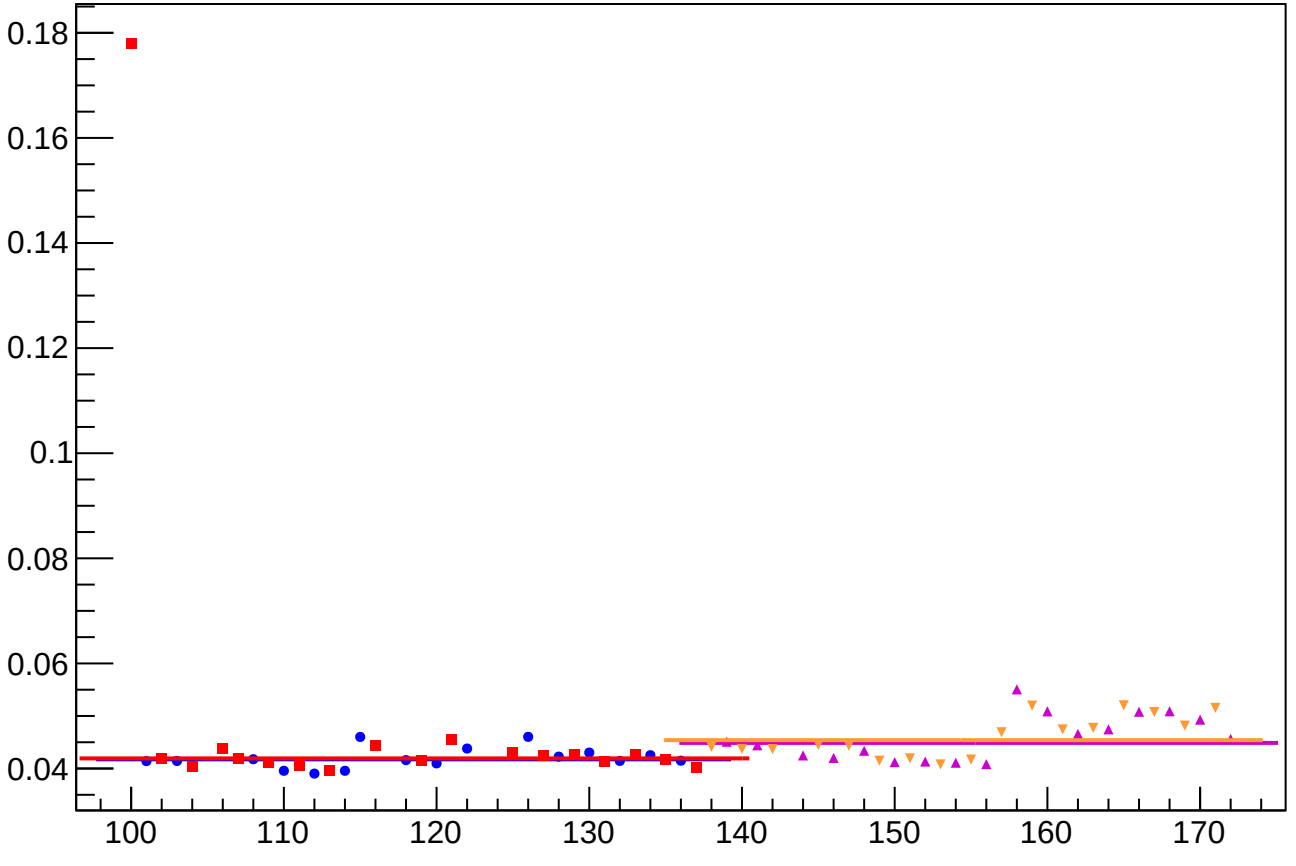
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.221+/-0.000 χ^2/NDF:6312052634.3/32

Out: -25.225+/-0.000 χ^2/NDF:14243919541.7/34

All: -25.223+/-0.000 χ^2/NDF: 20556035413.6

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 20733.3/15

Left Out: 0.045+/-0.000 χ^2/NDF:165136.4/16

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: 378268.4/33

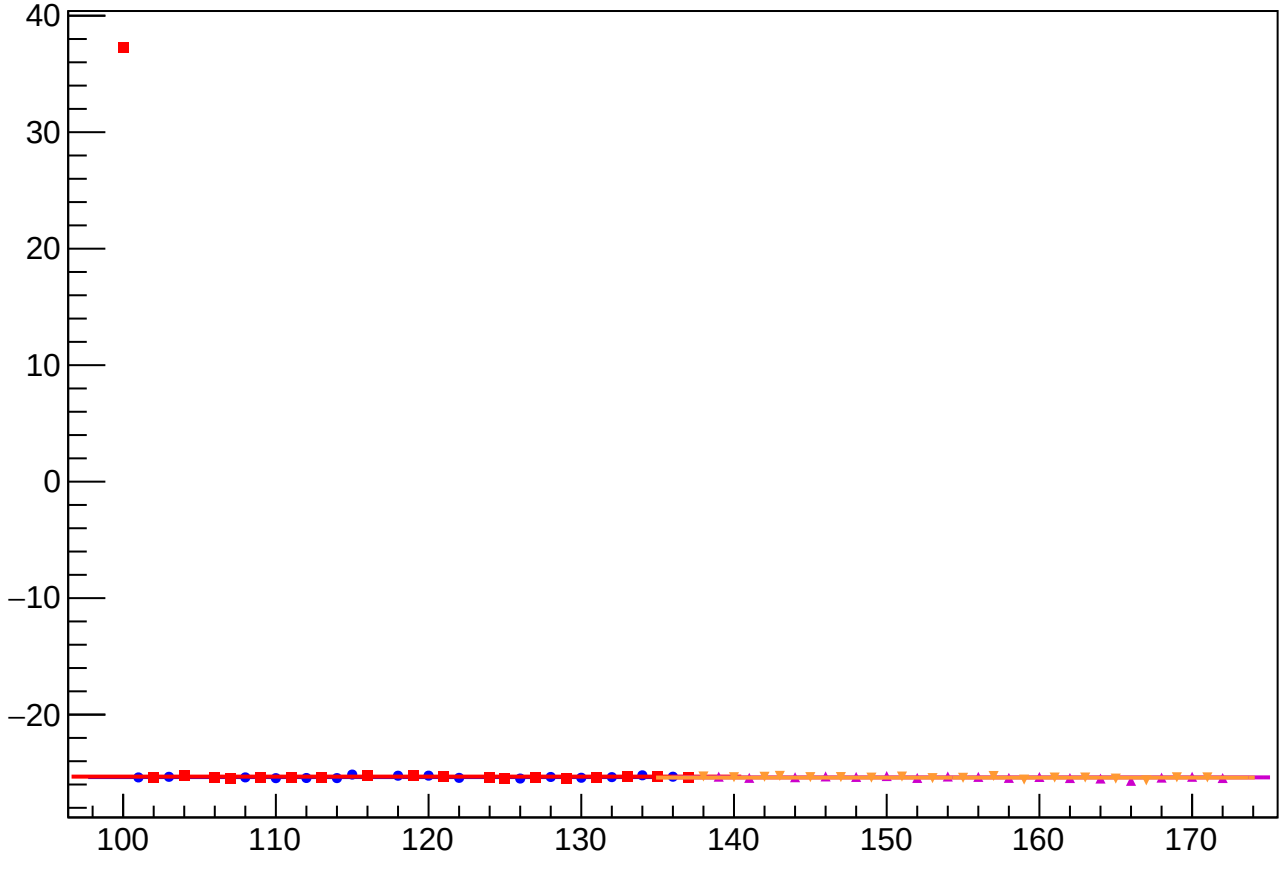
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.044+/-0.000 χ^2/NDF:282159.7/32

Out: 0.044+/-0.000 χ^2/NDF:325336.0/34

All: 0.044+/-0.000 χ^2/NDF: 608691.7/67

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:42382734.1/17

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: 76876450.2/34

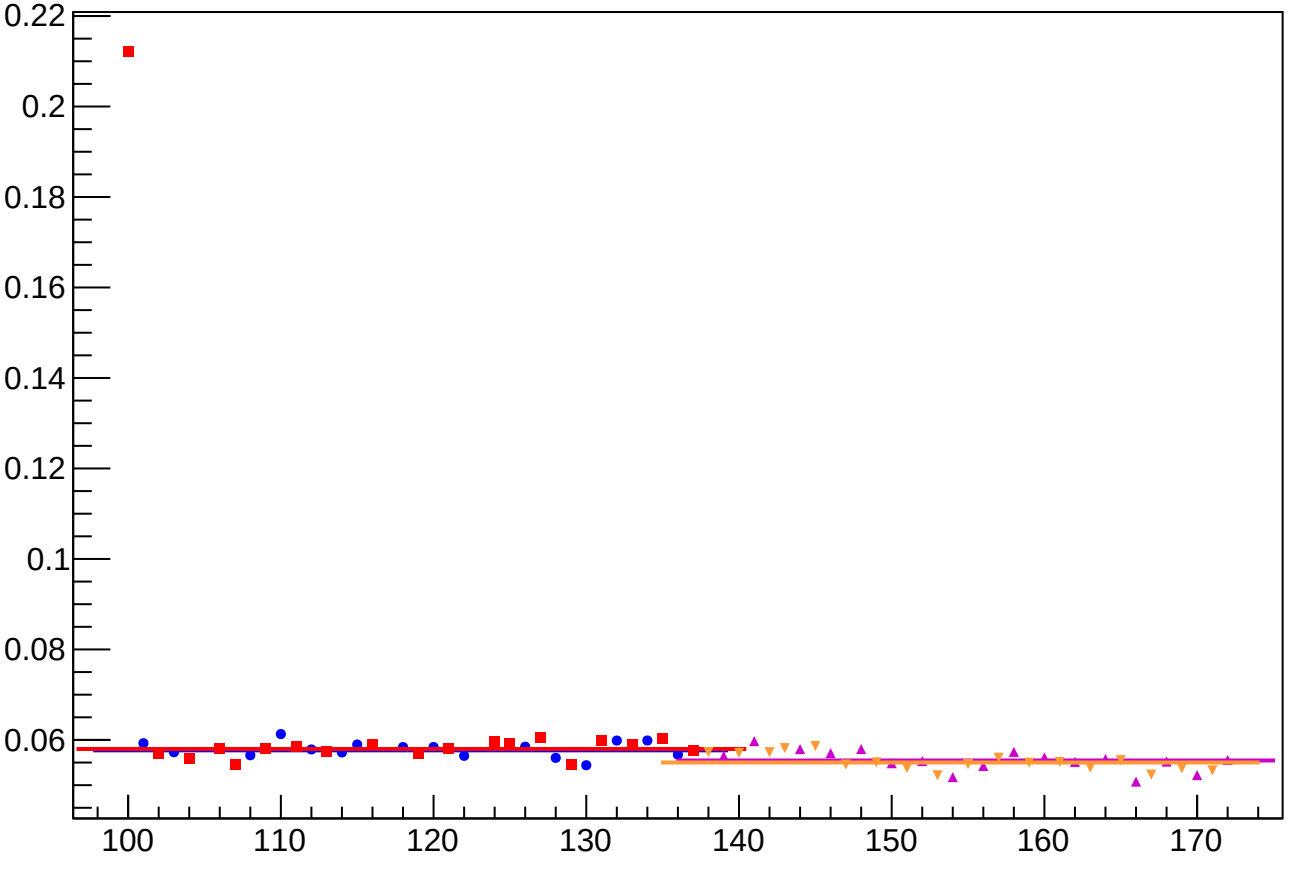
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.379+/-0.000 χ^2/NDF:48209436.6/32

Out: -25.377+/-0.000 χ^2/NDF:6367013412.5/36

All: -25.378+/-0.000 χ^2/NDF: 6415226513.9/

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:30464.5/17

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.055+/-0.000 χ^2/NDF:44217.8/16

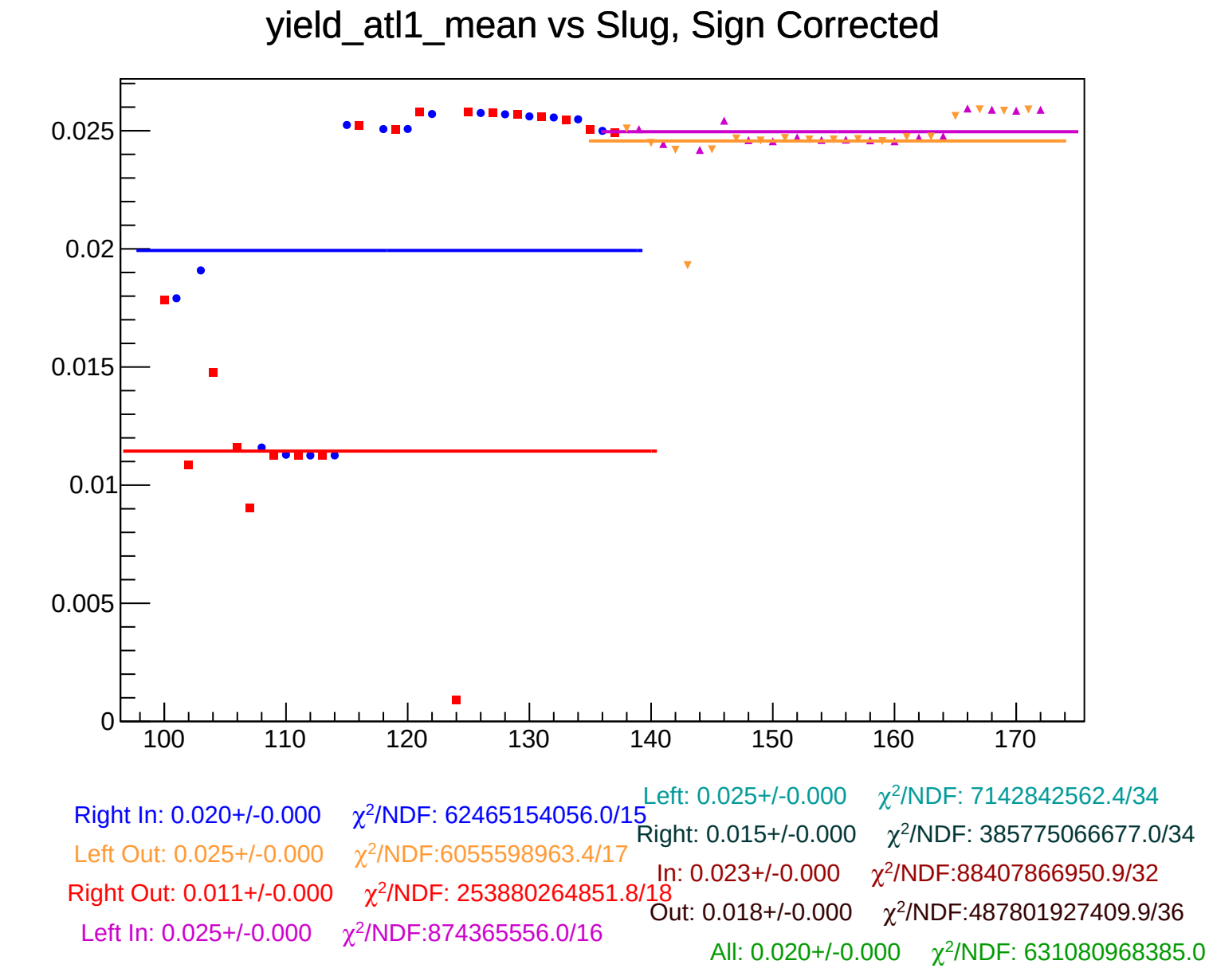
Left: 0.055+/-0.000 χ^2/NDF: 75555.5/34

Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

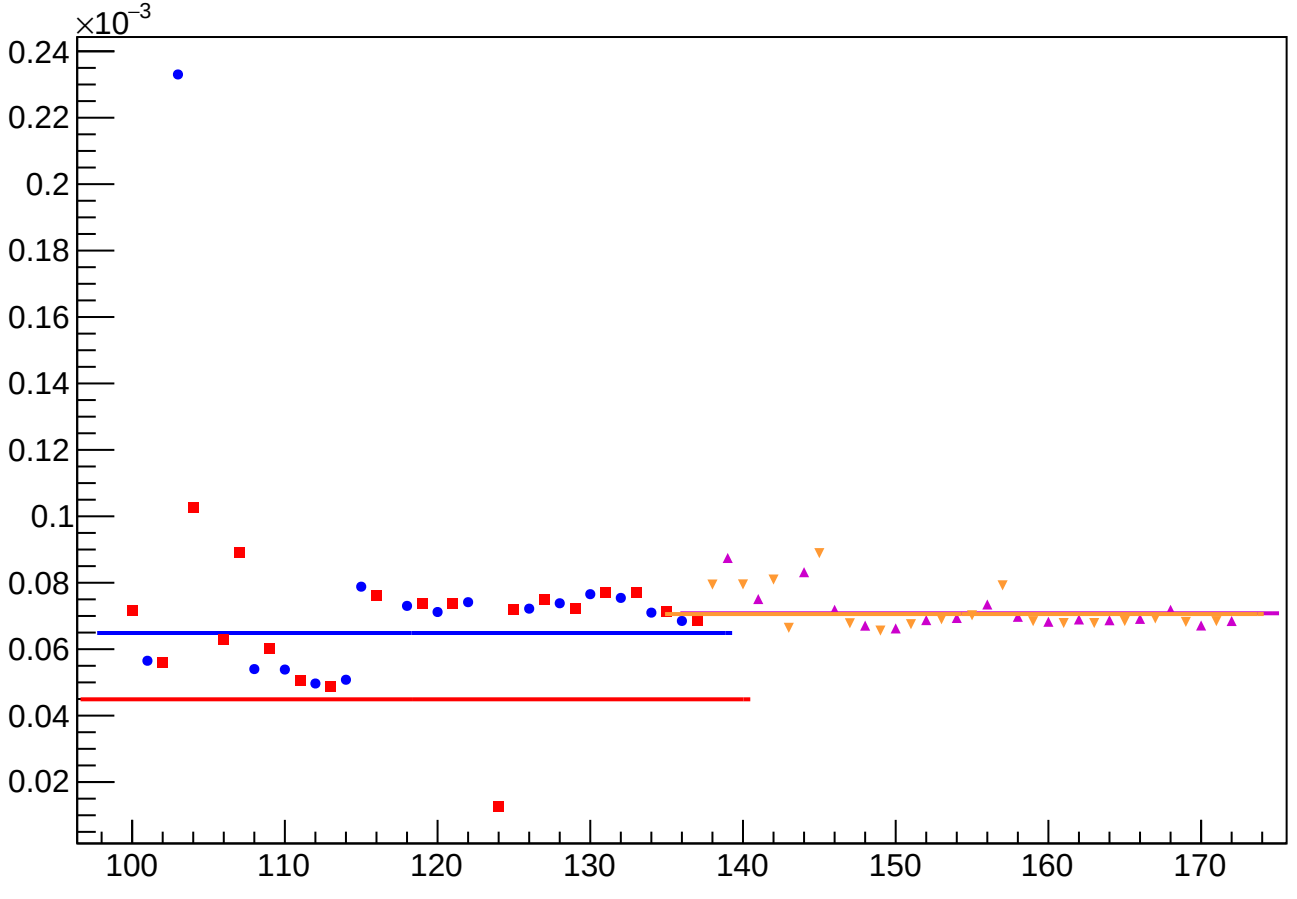
In: 0.056+/-0.000 χ^2/NDF:70319.9/32

Out: 0.056+/-0.000 χ^2/NDF:145127.8/36

All: 0.056+/-0.000 χ^2/NDF: 215733.4/69


yield_atl1_mean vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
150
160
170
Right In: 0.020+/-0.000 χ²/NDF: 62465154056.0/15
Left Out: 0.025+/-0.000 χ²/NDF:6055598963.4/17
Right Out: 0.011+/-0.000 χ²/NDF: 253880264851.8/18
Left In: 0.025+/-0.000 χ²/NDF:874365556.0/16
Left: 0.025+/-0.000 χ²/NDF: 7142842562.4/34
Right: 0.015+/-0.000 χ²/NDF: 385775066677.0/34
In: 0.023+/-0.000 χ²/NDF:88407866950.9/32
Out: 0.018+/-0.000 χ²/NDF:487801927409.9/36
All: 0.020+/-0.000 χ²/NDF: 631080968385.0

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:172222.8/17

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: 305654.0/34

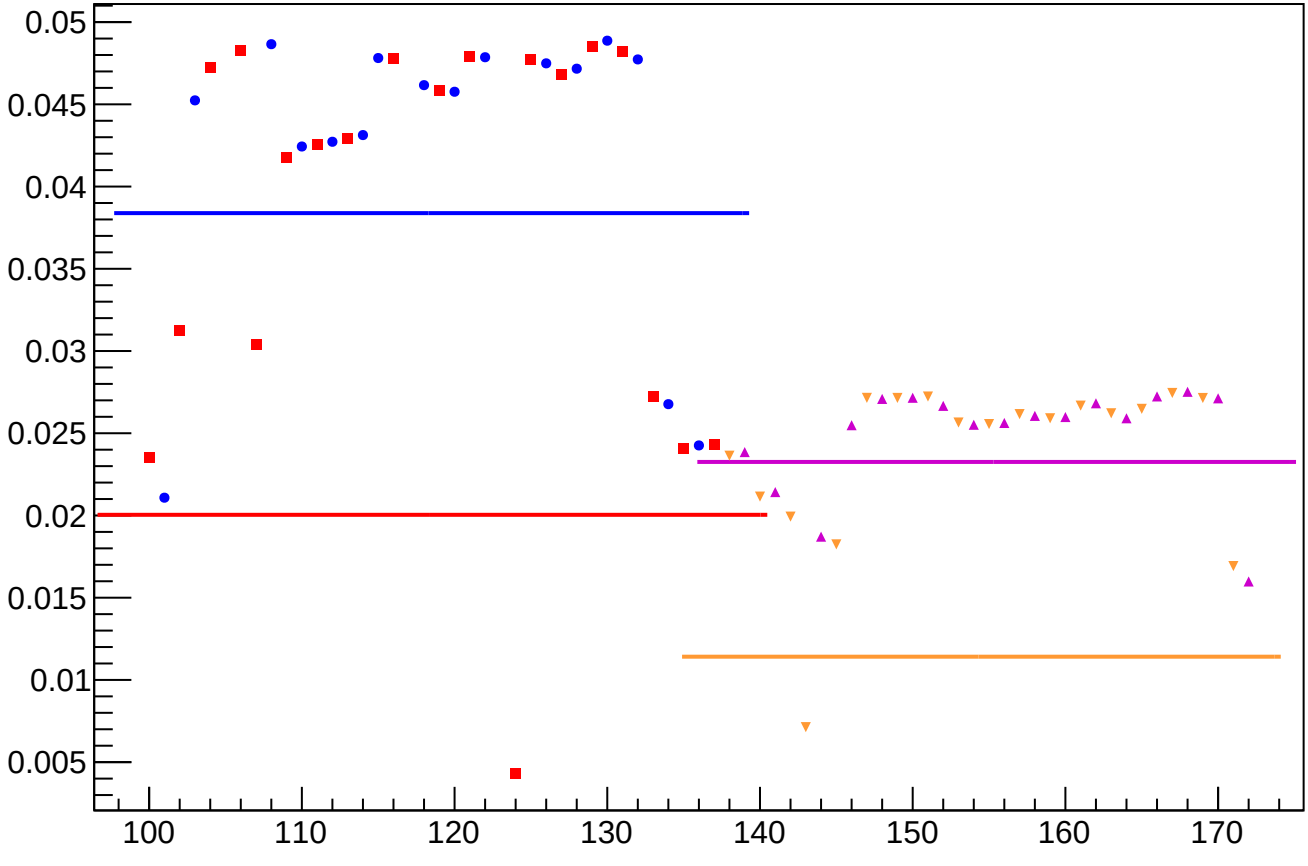
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1020049.1/32

Out: 0.000+/-0.000 χ^2/NDF:5684973.9/36

All: 0.000+/-0.000 χ^2/NDF: 7206801.6/69

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.011+/-0.000 χ^2/NDF:33243252902.8/17

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.023+/-0.000 χ^2/NDF:3145786823.4/16

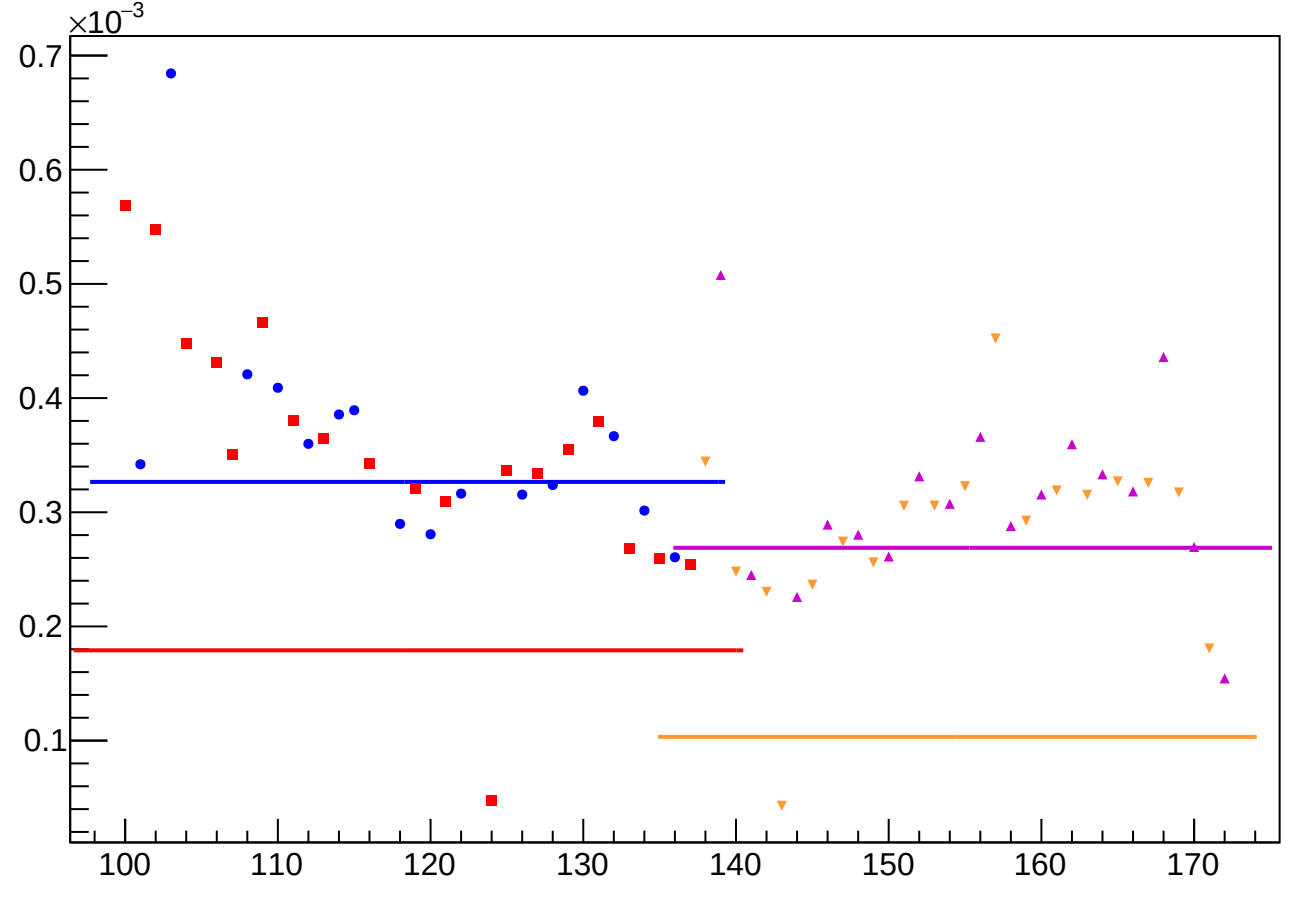
Left: 0.014+/-0.000 χ^2/NDF: 54407756370.2/34

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:82951043635.2/36

All: 0.016+/-0.000 χ^2/NDF: 138230789892.3



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13192276.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1893706.4/16

Left: 0.000+/-0.000 χ^2/NDF: 22134288.8/34

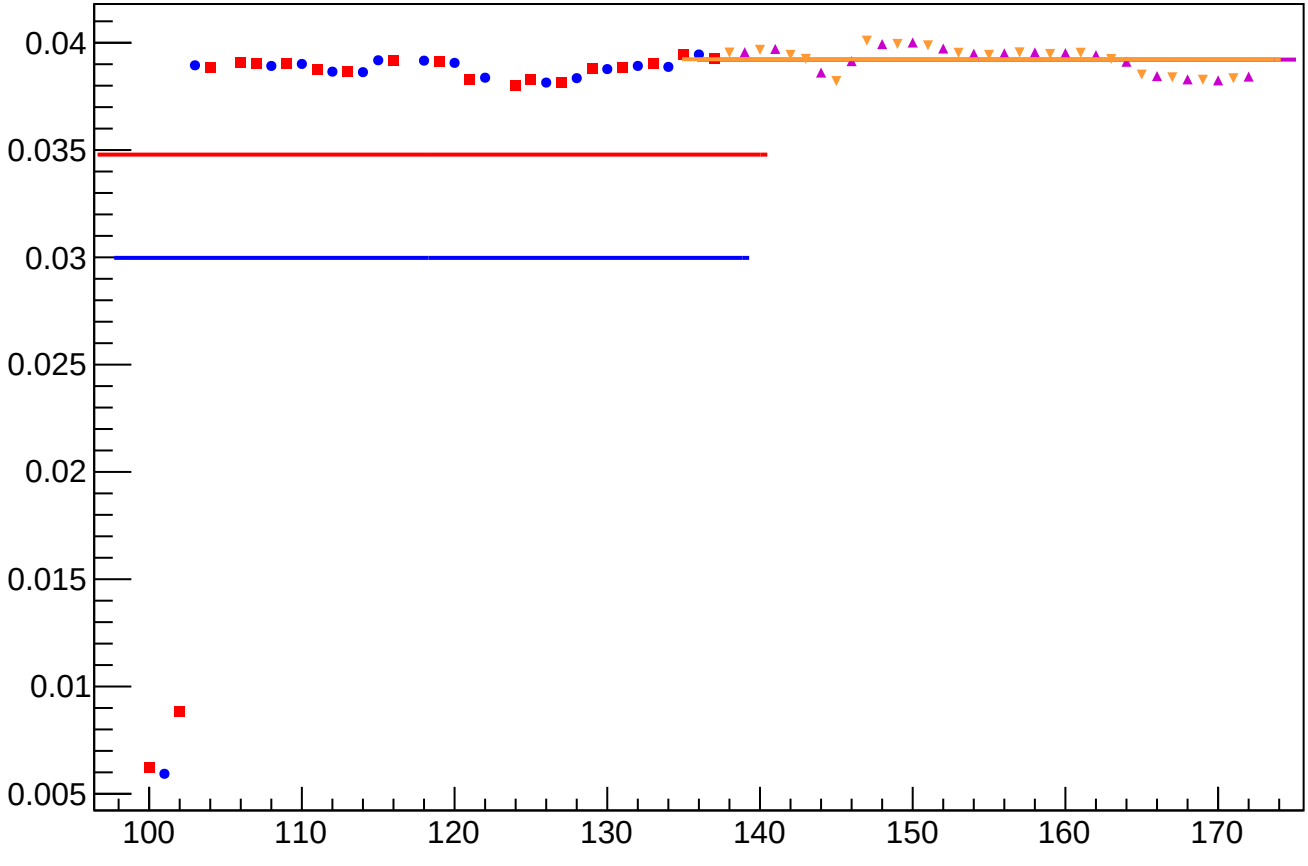
Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:2765107.9/32

Out: 0.000+/-0.000 χ^2/NDF:20014619.8/36

All: 0.000+/-0.000 χ^2/NDF: 32363673.6/69

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 108275706275.7/15

Left Out: 0.039+/-0.000 χ^2/NDF:292624052.4/17

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:265840767.4/16

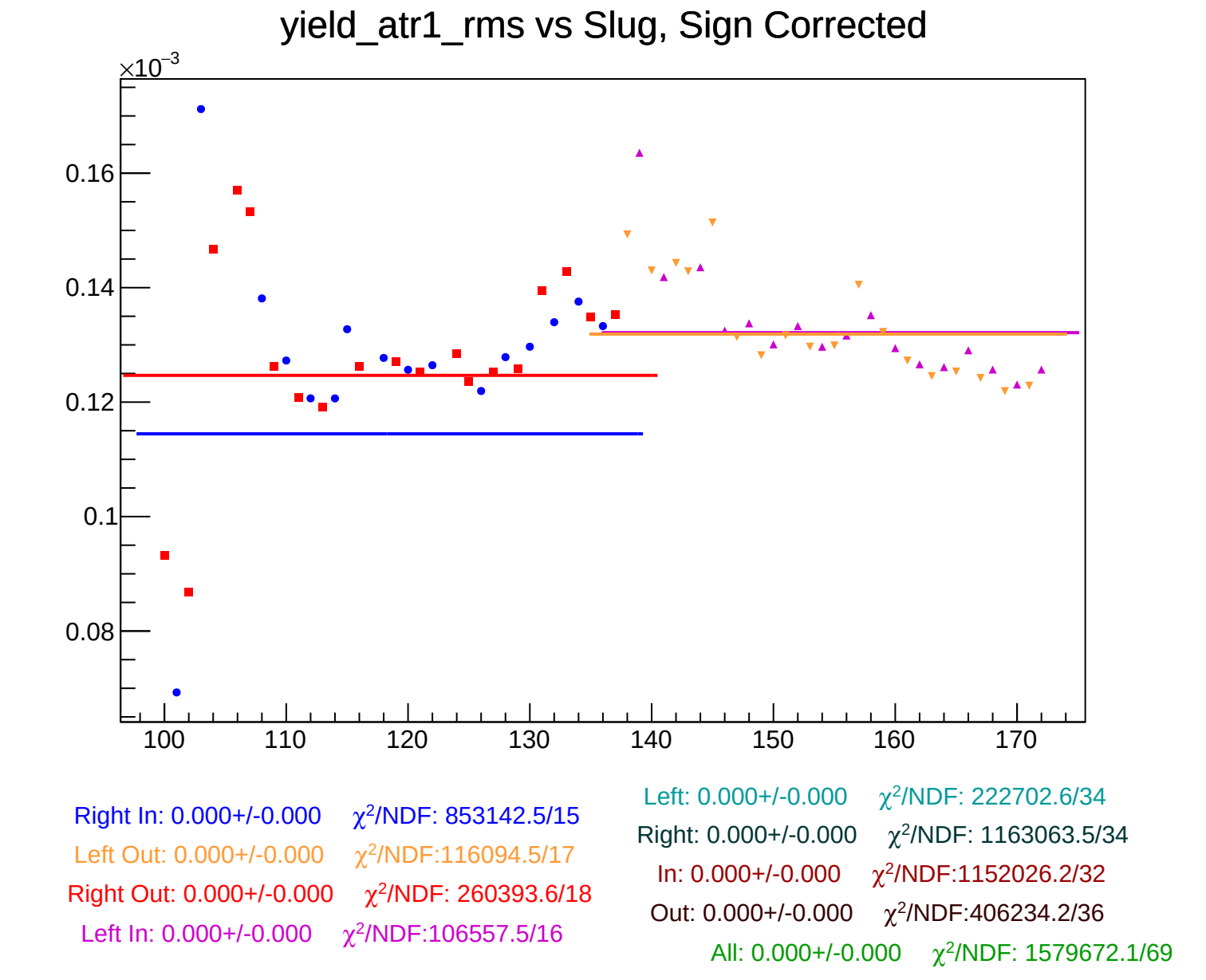
Left: 0.039+/-0.000 χ^2/NDF: 558570442.3/34

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

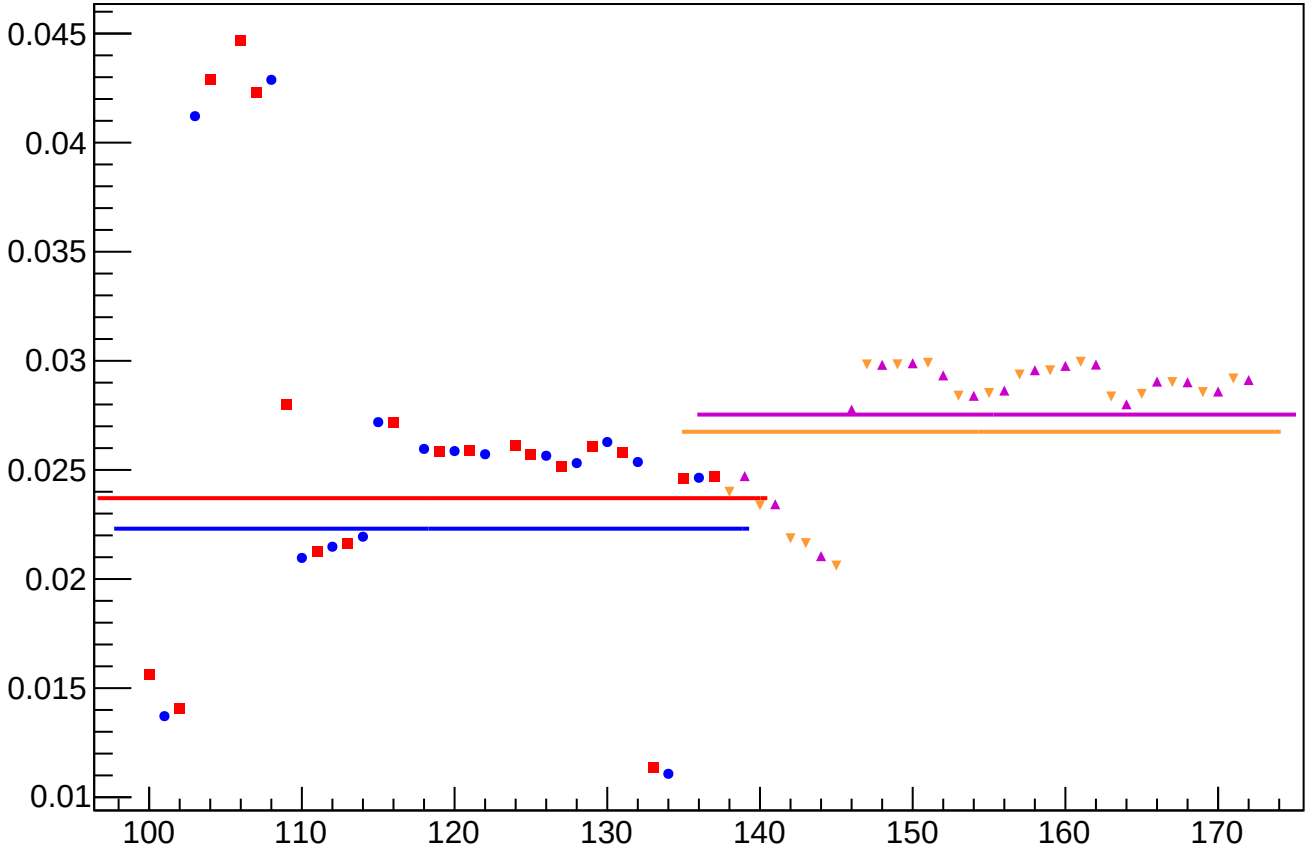
In: 0.036+/-0.000 χ^2/NDF:134804689708.3/32

Out: 0.038+/-0.000 χ^2/NDF:53199568161.3/36

All: 0.037+/-0.000 χ^2/NDF: 190679535790.5


yield_atr1_rms vs Slug, Sign Corrected
×10⁻³
0.16
0.14
0.12
0.1
0.08
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 853142.5/15
Left Out: 0.000+/-0.000 χ²/NDF:116094.5/17
Right Out: 0.000+/-0.000 χ²/NDF: 260393.6/18
Left In: 0.000+/-0.000 χ²/NDF:106557.5/16
Left: 0.000+/-0.000 χ²/NDF: 222702.6/34
Right: 0.000+/-0.000 χ²/NDF: 1163063.5/34
In: 0.000+/-0.000 χ²/NDF:1152026.2/32
Out: 0.000+/-0.000 χ²/NDF:406234.2/36
All: 0.000+/-0.000 χ²/NDF: 1579672.1/69

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:1926593143.1/17

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: 3290062619.0/34

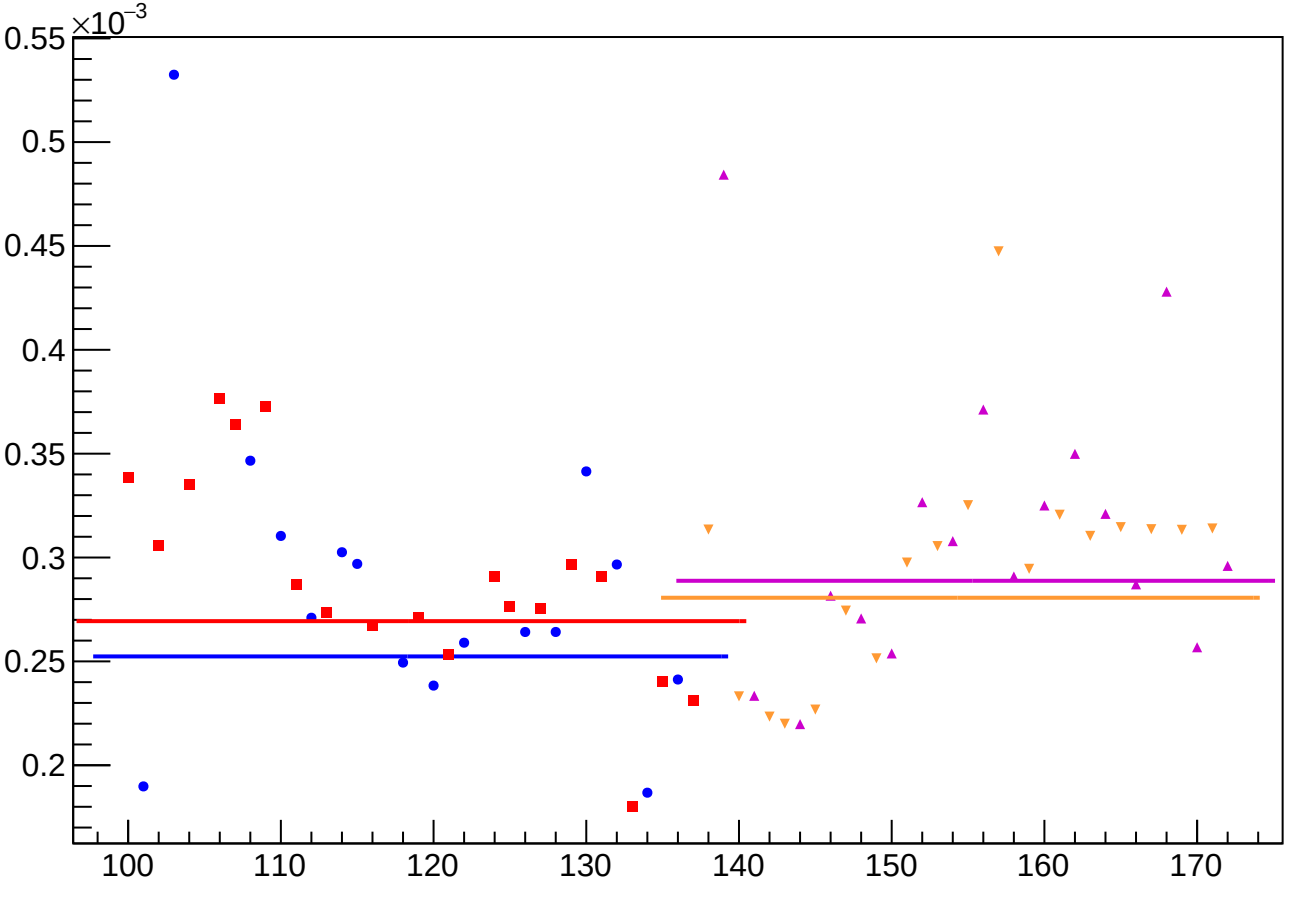
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.025+/-0.000 χ^2/NDF:7948152141.9/32

Out: 0.026+/-0.000 χ^2/NDF:8036430802.2/36

All: 0.026+/-0.000 χ^2/NDF: 15988898446.9/6

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:656499.3/17

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: 1589580.7/34

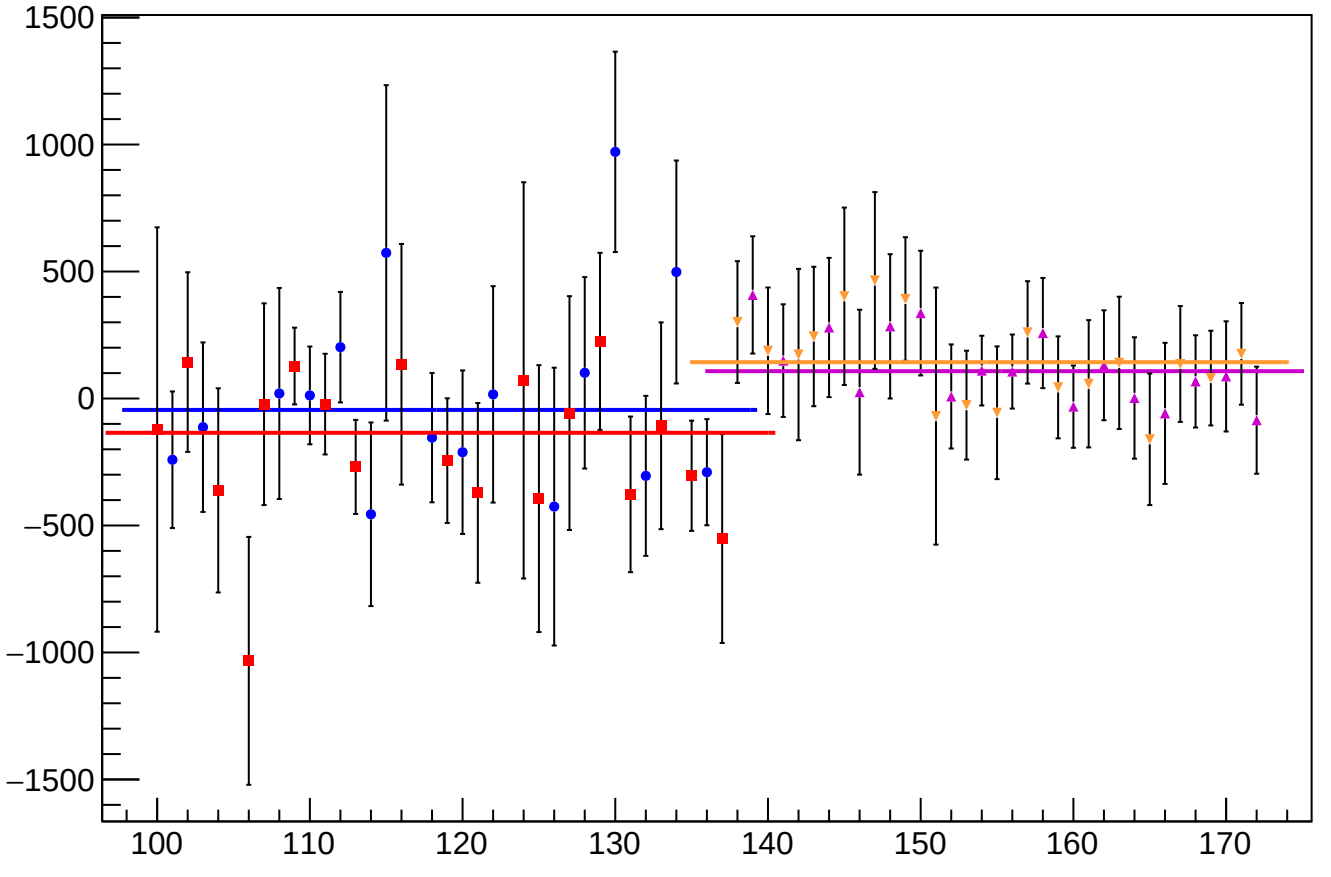
Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1787841.1/32

Out: 0.000+/-0.000 χ^2/NDF:1117328.8/36

All: 0.000+/-0.000 χ^2/NDF: 2906372.4/69

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 143.103+/-58.007 χ^2/NDF:6.7/17

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: 122.760+/-37.872 χ^2/NDF: 13.2/34

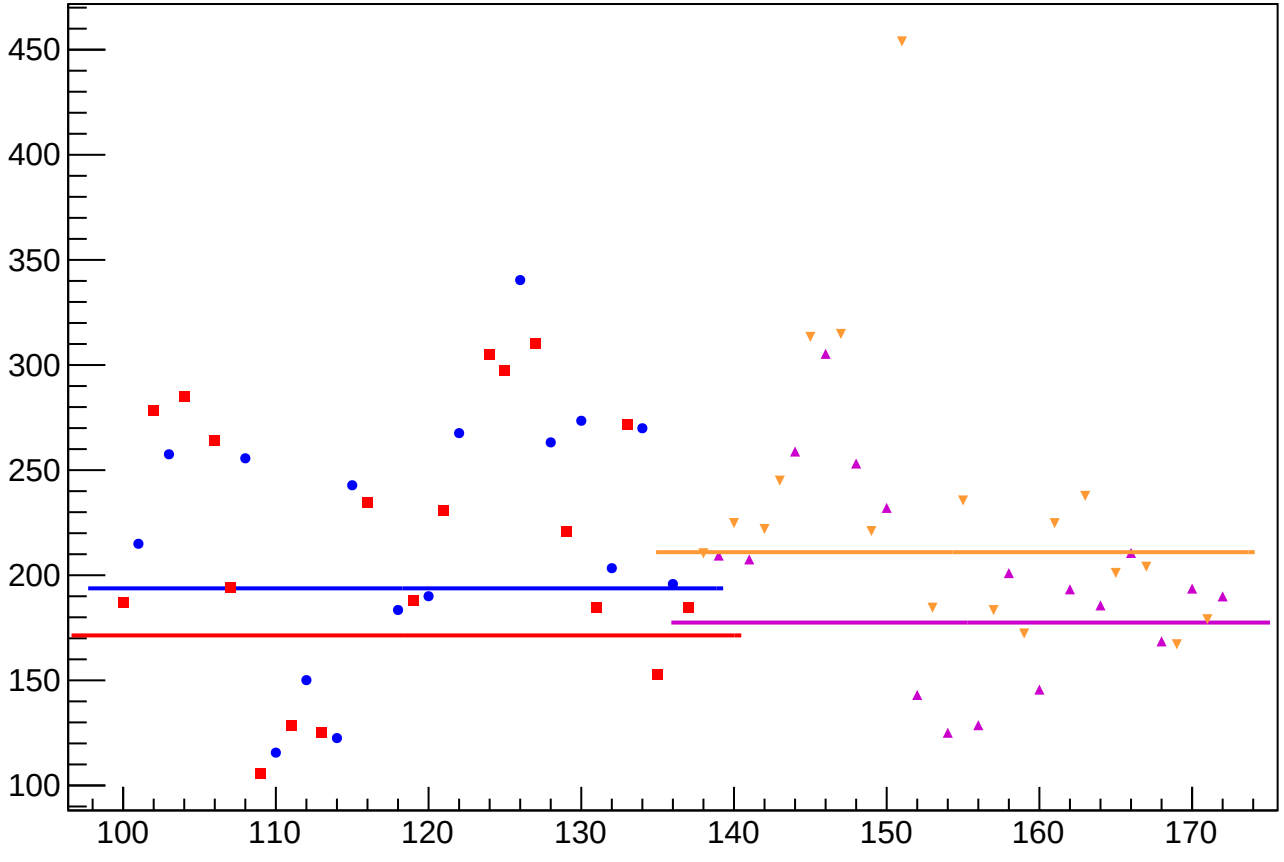
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 61.729+/-41.803 χ^2/NDF:24.6/32

Out: 26.094+/-44.148 χ^2/NDF:29.3/36

All: 44.883+/-30.354 χ^2/NDF: 54.2/69

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 210.980+/-0.041 χ^2/NDF:1206403.8/17

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 177.490+/-0.035 χ^2/NDF:1539654.5/16

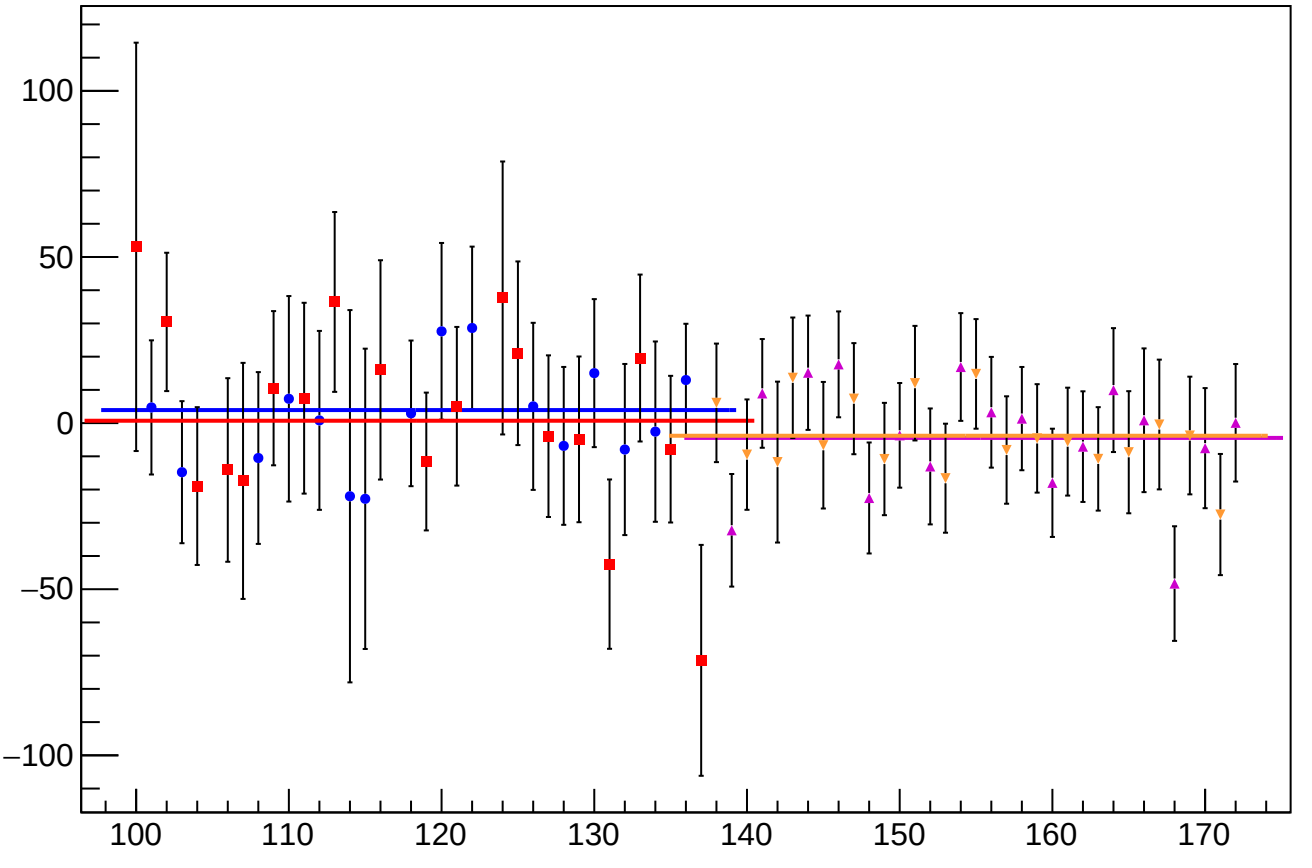
Left: 191.766+/-0.027 χ^2/NDF: 3128525.2/34

Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 182.389+/-0.030 χ^2/NDF:2651546.6/32

Out: 194.319+/-0.031 χ^2/NDF:3256614.4/36

All: 188.029+/-0.021 χ^2/NDF: 5985159.6/69



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -3.805+/-4.104 χ^2/NDF:6.9/17

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: -4.130+/-2.907 χ^2/NDF: 24.9/34

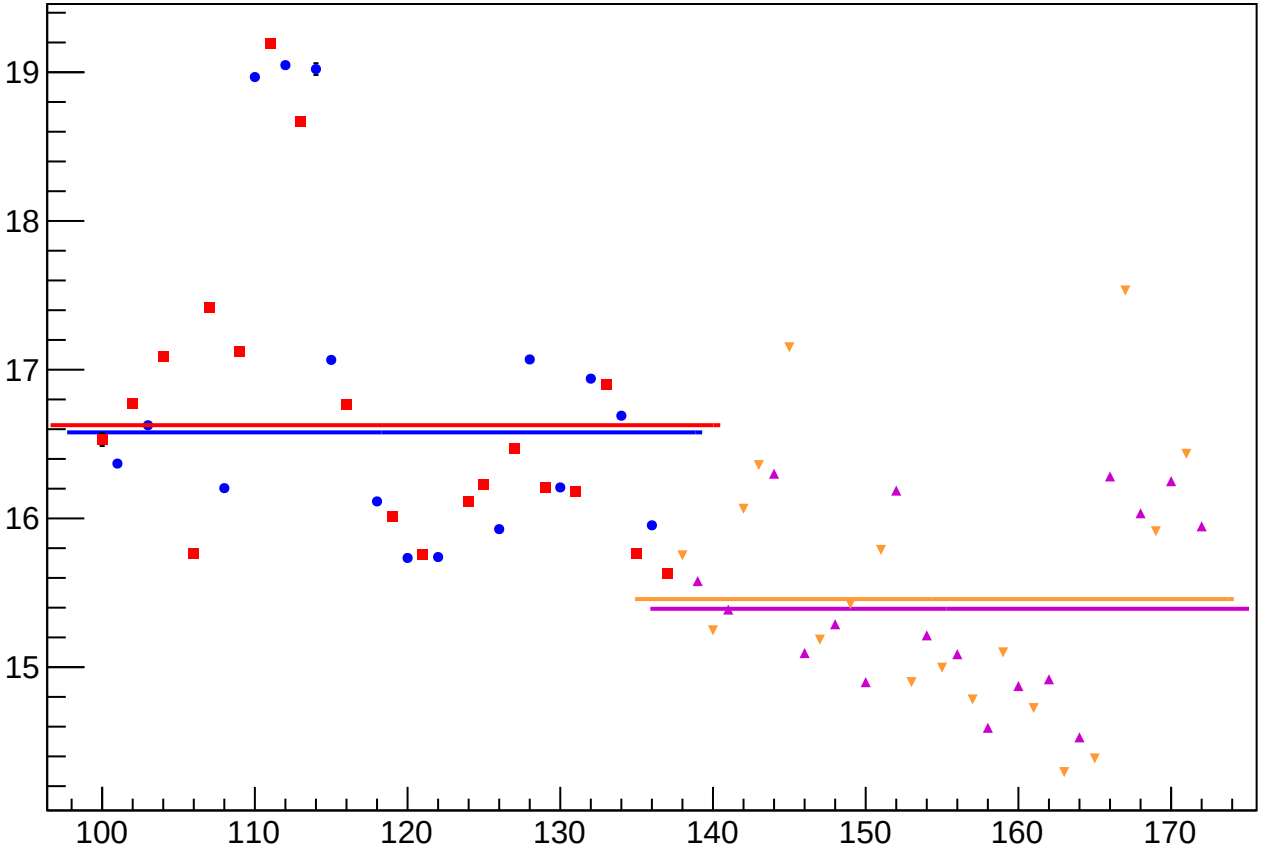
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: -1.875+/-3.425 χ^2/NDF:23.8/32

Out: -2.389+/-3.401 χ^2/NDF:23.2/36

All: -2.134+/-2.413 χ^2/NDF: 47.0/69

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: 15.458+/-0.003 χ^2/NDF:84126.0/17

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: 15.425+/-0.002 χ^2/NDF: 123870.5/34

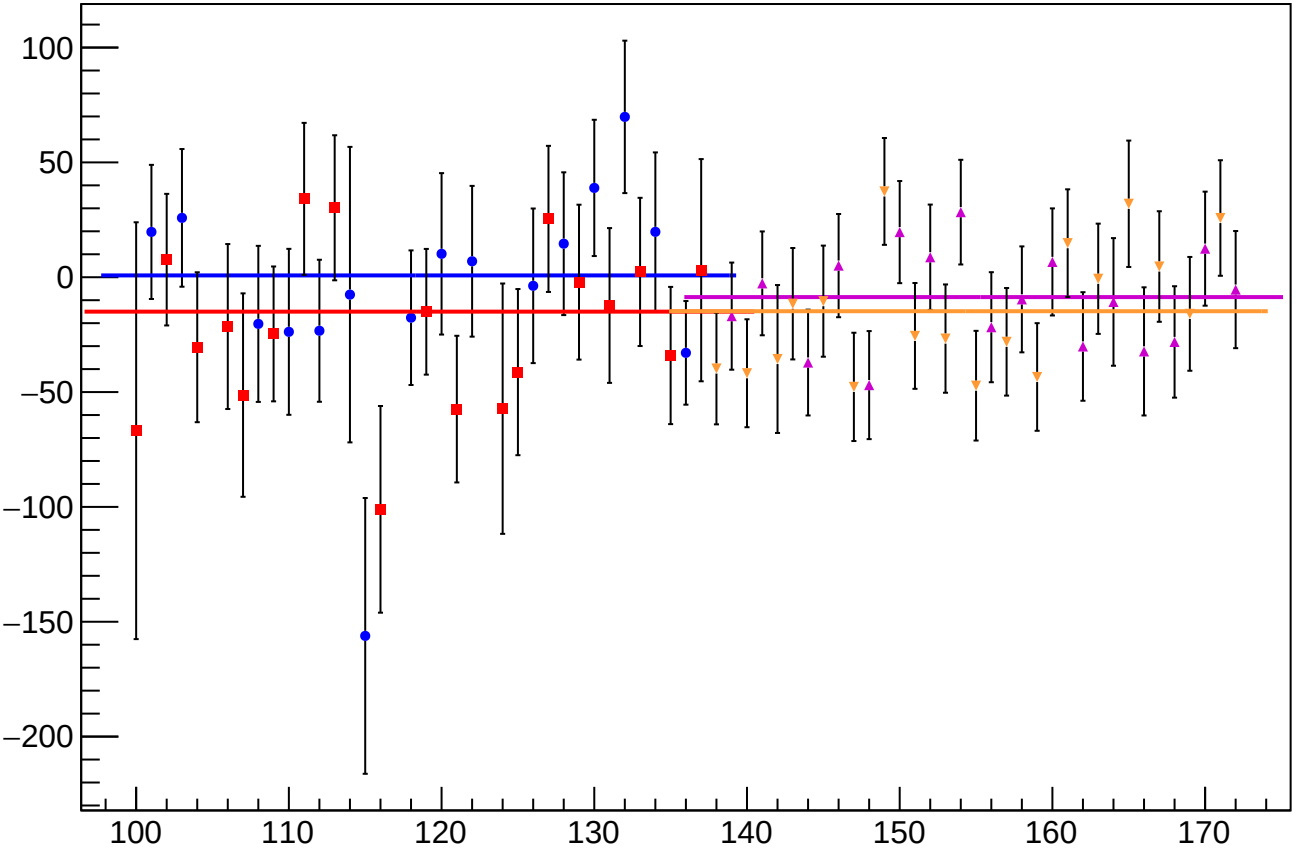
Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 15.758+/-0.002 χ^2/NDF:135192.9/32

Out: 15.824+/-0.002 χ^2/NDF:178438.9/36

All: 15.791+/-0.002 χ^2/NDF: 314007.1/69

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.790+/-8.125 χ^2/NDF: 18.7/15

Left Out: -14.794+/-5.734 χ^2/NDF:22.0/17

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: -11.741+/-4.068 χ^2/NDF: 35.9/34

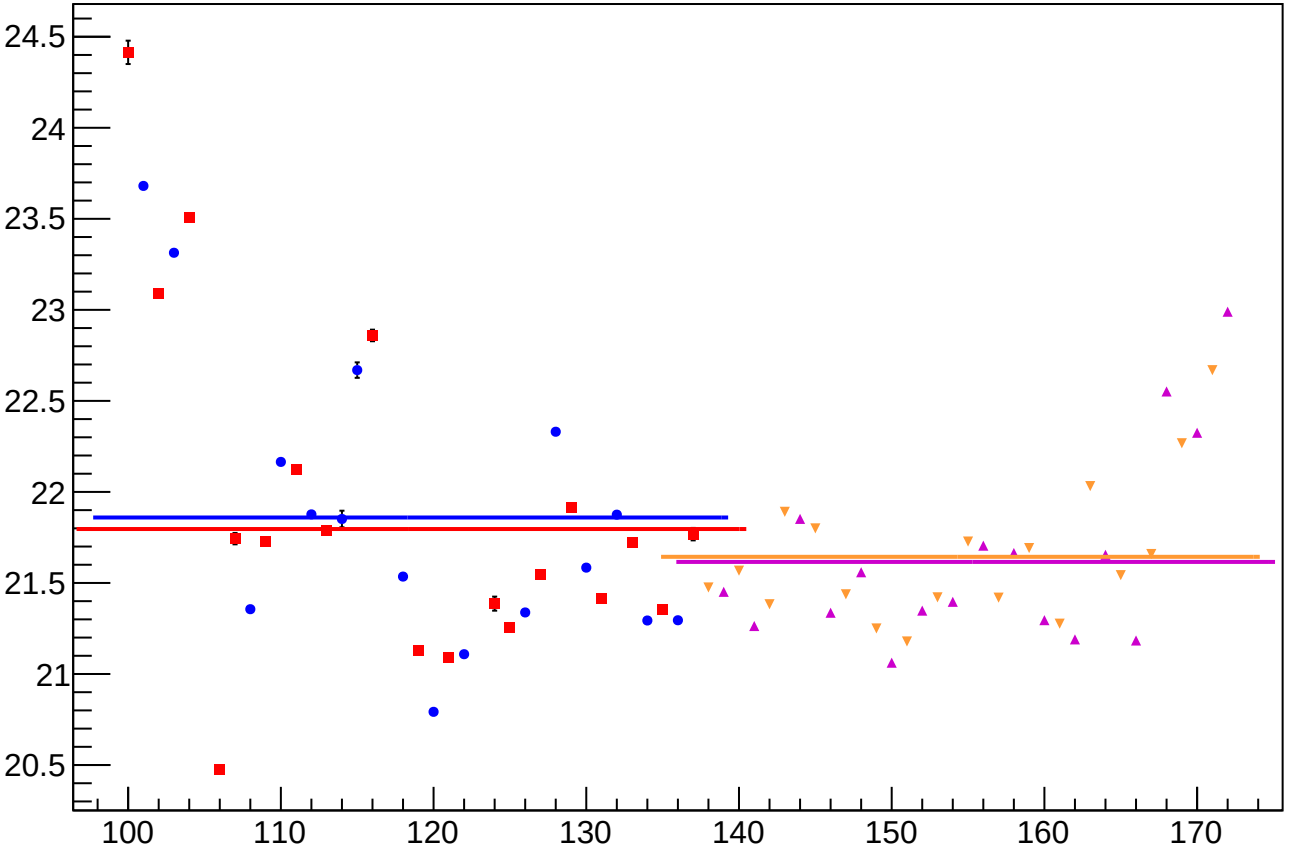
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -5.481+/-4.706 χ^2/NDF:32.8/32

Out: -14.858+/-4.651 χ^2/NDF:37.4/36

All: -10.224+/-3.308 χ^2/NDF: 72.3/69

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: 21.644+/-0.004 χ^2/NDF:8103.6/17

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: 21.630+/-0.003 χ^2/NDF: 22904.1/34

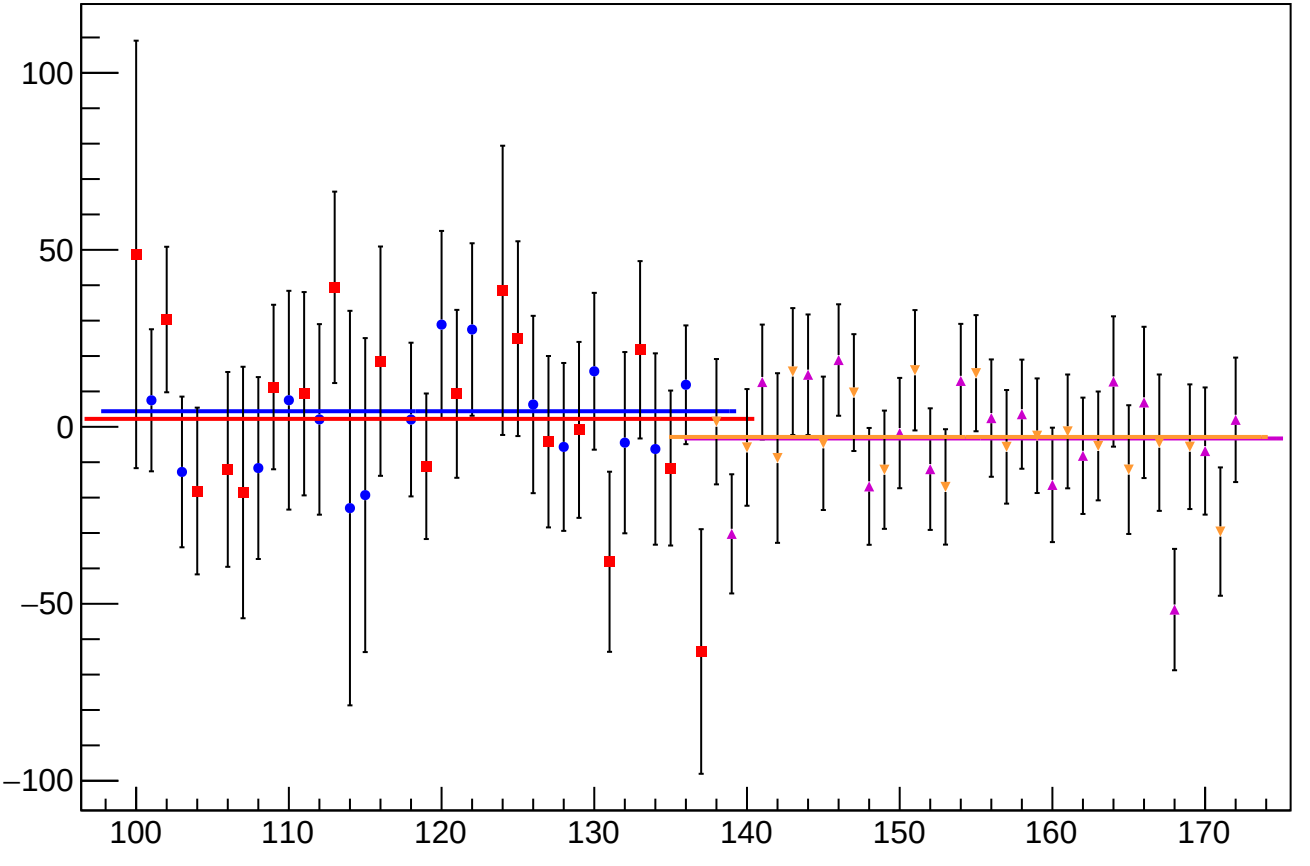
Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

In: 21.697+/-0.003 χ^2/NDF:35443.8/32

Out: 21.696+/-0.003 χ^2/NDF:27449.5/36

All: 21.697+/-0.002 χ^2/NDF: 62893.4/69

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.404+/-6.137 χ^2/NDF: 4.3/15

Left Out: -2.860+/-4.065 χ^2/NDF:7.8/17

Right Out: 2.244+/-6.042 χ^2/NDF: 15.4/18

Left In: -3.294+/-4.079 χ^2/NDF:18.7/16

Left: -3.076+/-2.880 χ^2/NDF: 26.6/34

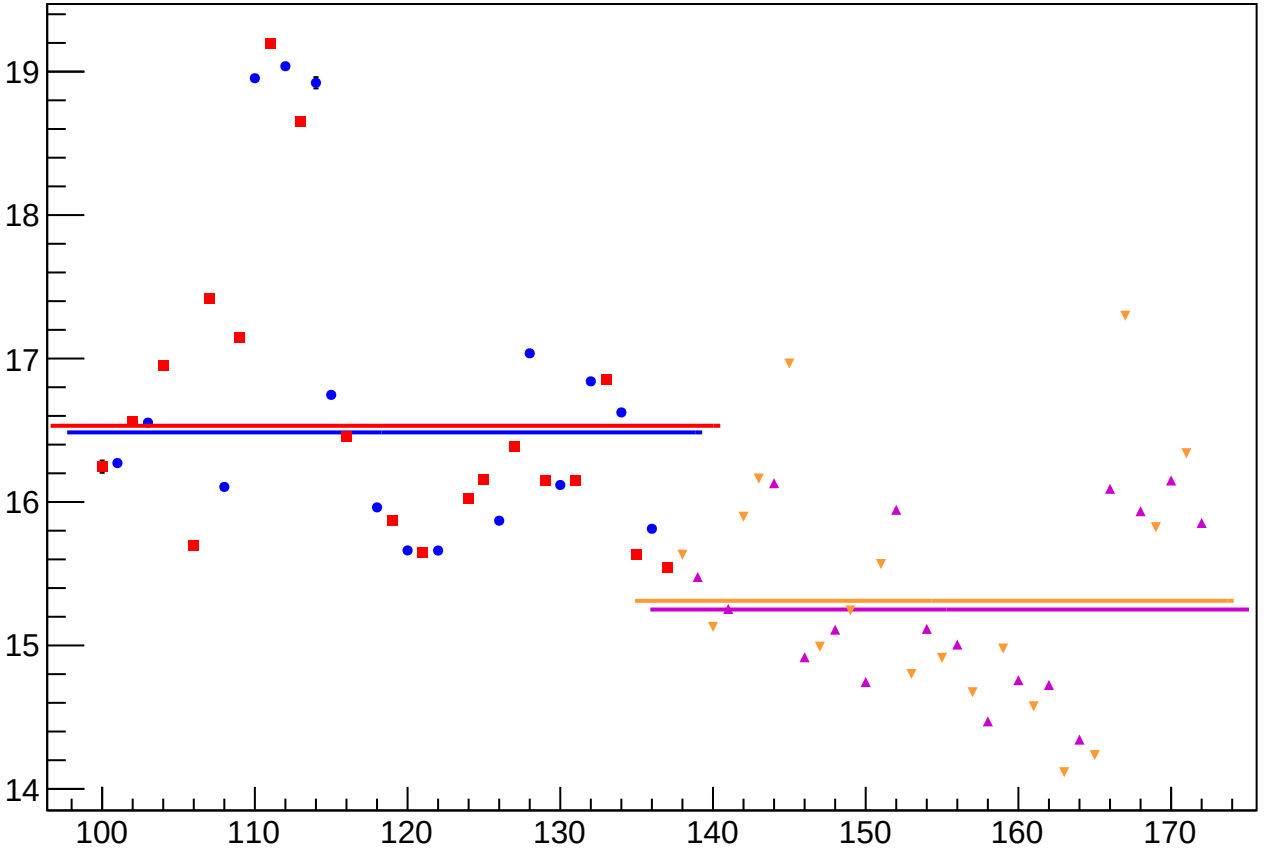
Right: 3.307+/-4.306 χ^2/NDF: 19.7/34

In: -0.935+/-3.397 χ^2/NDF:24.1/32

Out: -1.270+/-3.373 χ^2/NDF:23.7/36

All: -1.104+/-2.394 χ^2/NDF: 47.8/69

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: 15.311+/-0.003 χ^2/NDF:83066.0/17

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.250+/-0.003 χ^2/NDF:40238.0/16

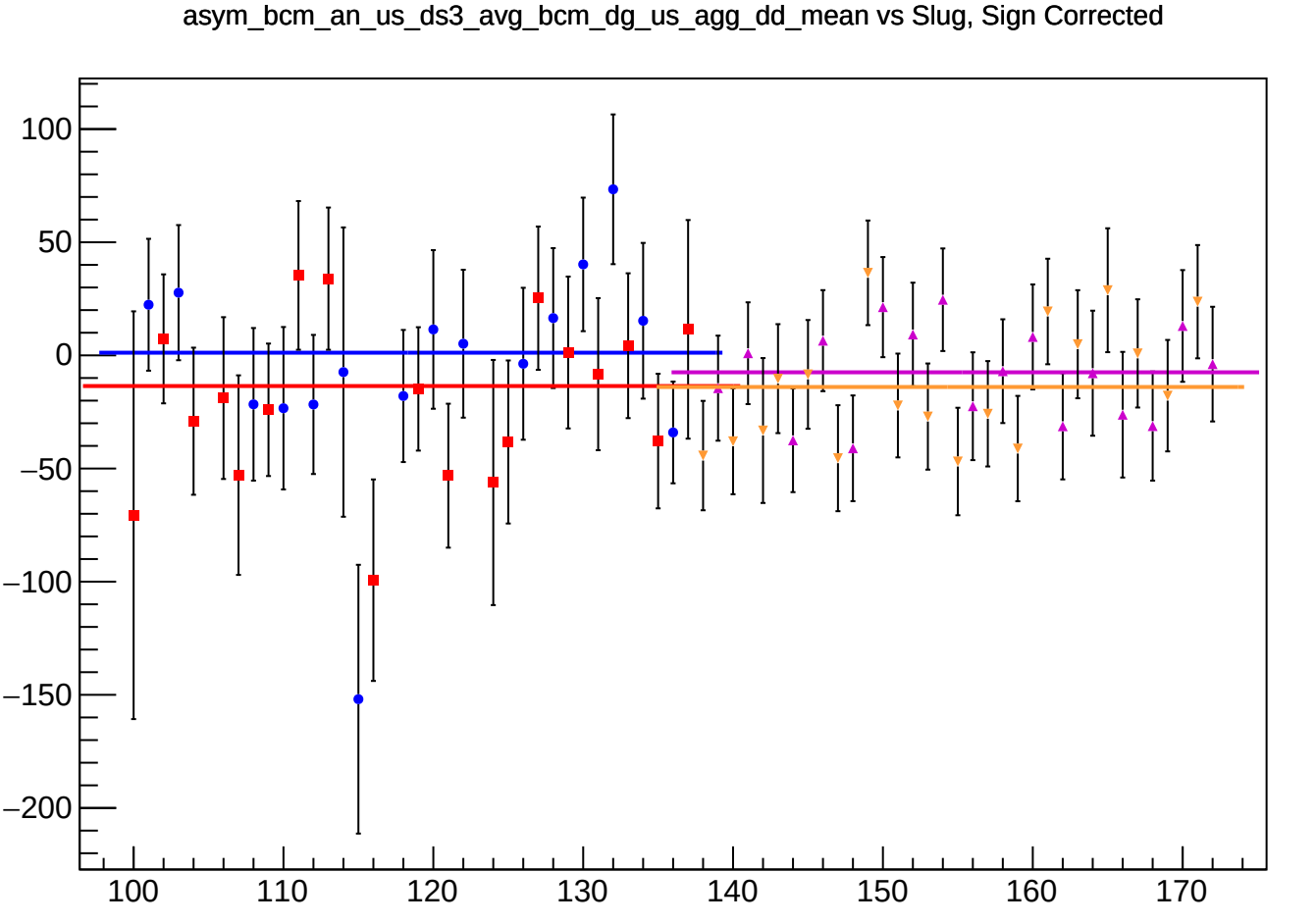
Left: 15.281+/-0.002 χ^2/NDF: 123526.3/34

Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

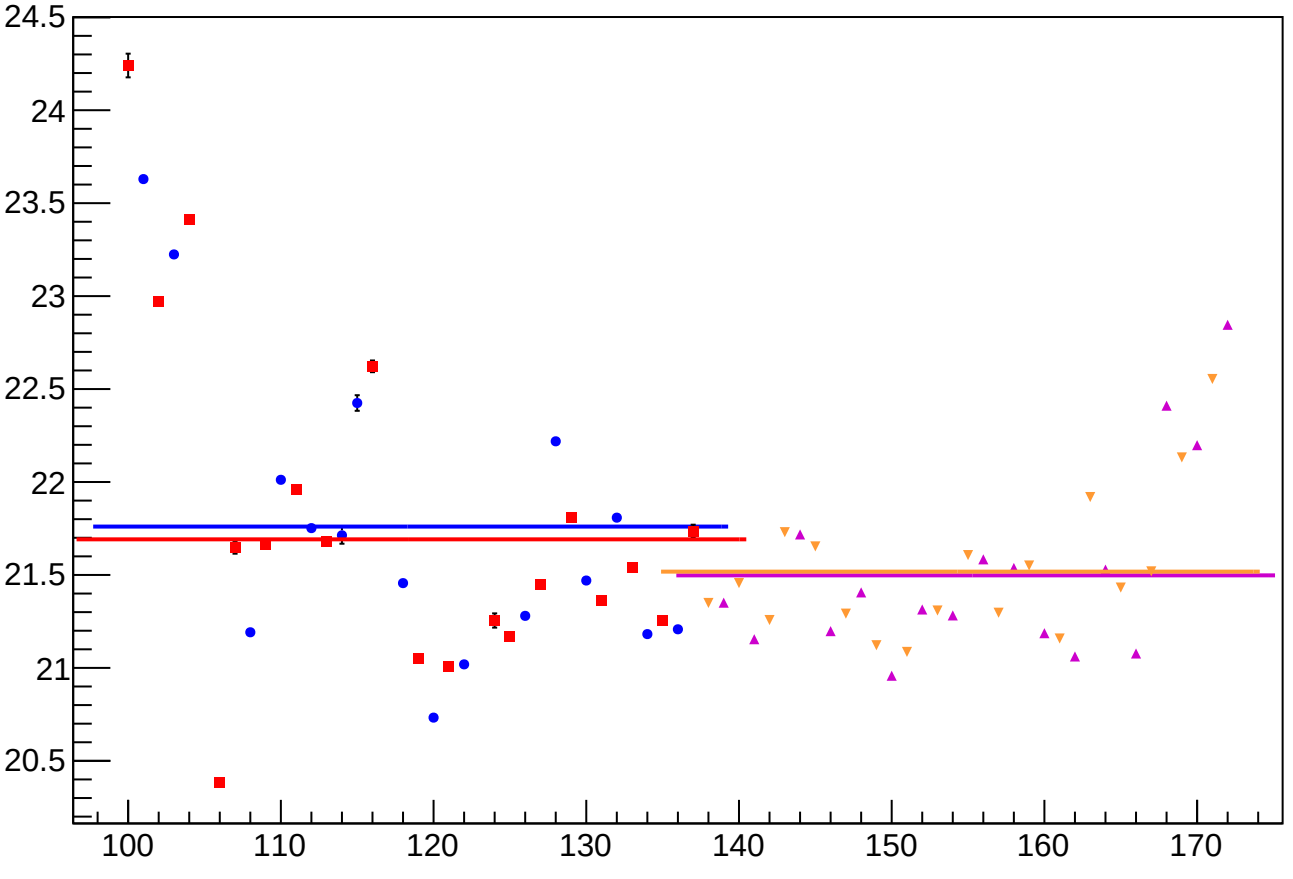
In: 15.629+/-0.002 χ^2/NDF:143564.5/32

Out: 15.691+/-0.002 χ^2/NDF:185680.5/36

All: 15.660+/-0.002 χ^2/NDF: 329586.3/69


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
Right In: 1.185+/-8.088 χ²/NDF: 19.4/15
Left Out: -13.969+/-5.700 χ²/NDF:21.4/17
Right Out: -13.549+/-7.915 χ²/NDF: 15.9/18
Left In: -7.485+/-5.741 χ²/NDF:12.7/16
Left: -10.750+/-4.045 χ²/NDF: 34.7/34
Right: -6.341+/-5.657 χ²/NDF: 37.0/34
In: -4.581+/-4.681 χ²/NDF:32.8/32
Out: -13.826+/-4.626 χ²/NDF:37.3/36
All: -9.259+/-3.290 χ²/NDF: 72.1/69

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: 21.518+/-0.004 χ^2/NDF:8049.9/17

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: 21.508+/-0.003 χ^2/NDF: 22366.8/34

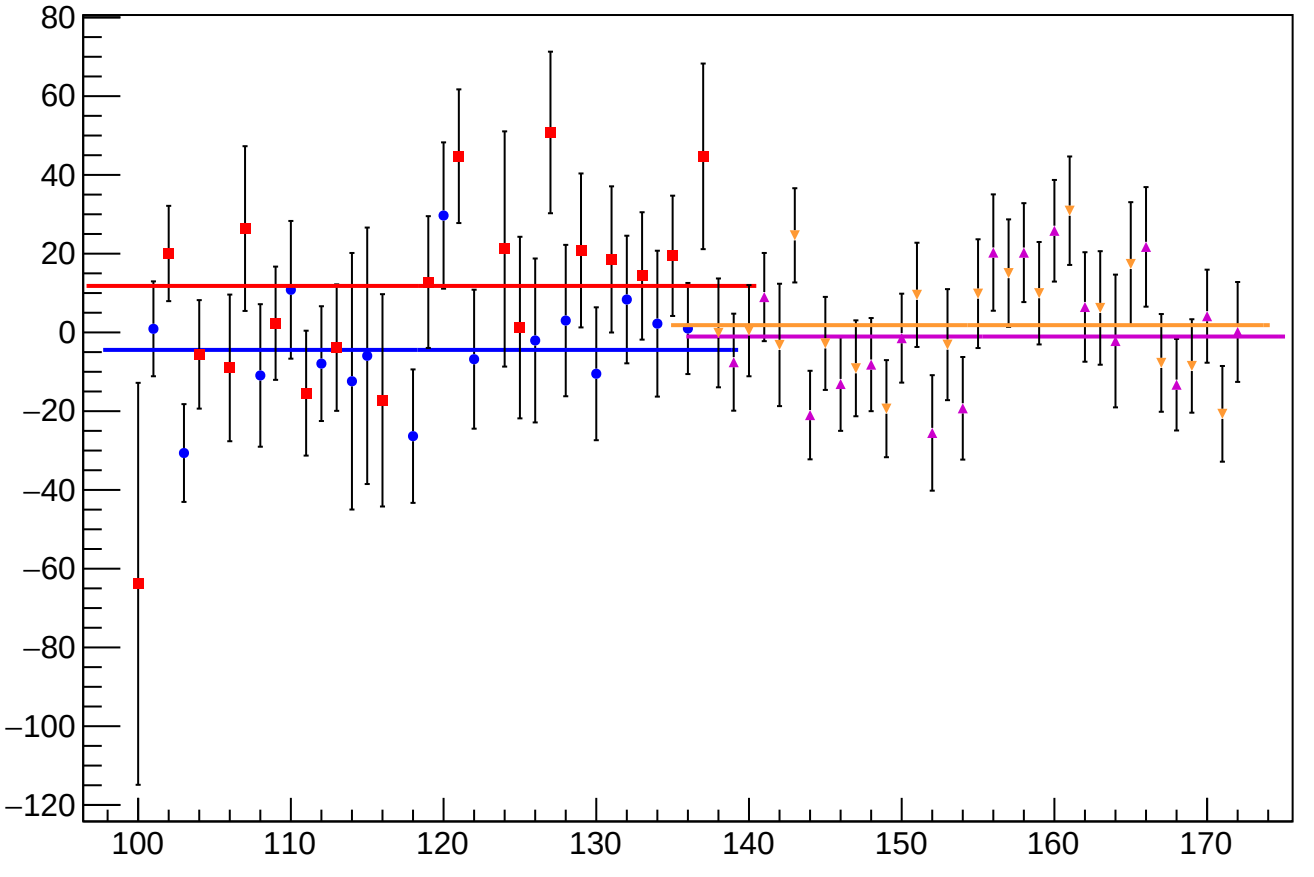
Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.586+/-0.003 χ^2/NDF:35450.8/32

Out: 21.577+/-0.003 χ^2/NDF:27014.7/36

All: 21.581+/-0.002 χ^2/NDF: 62468.9/69

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: 1.844+/-3.070 χ^2/NDF:20.1/17

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -1.043+/-3.075 χ^2/NDF:23.5/16

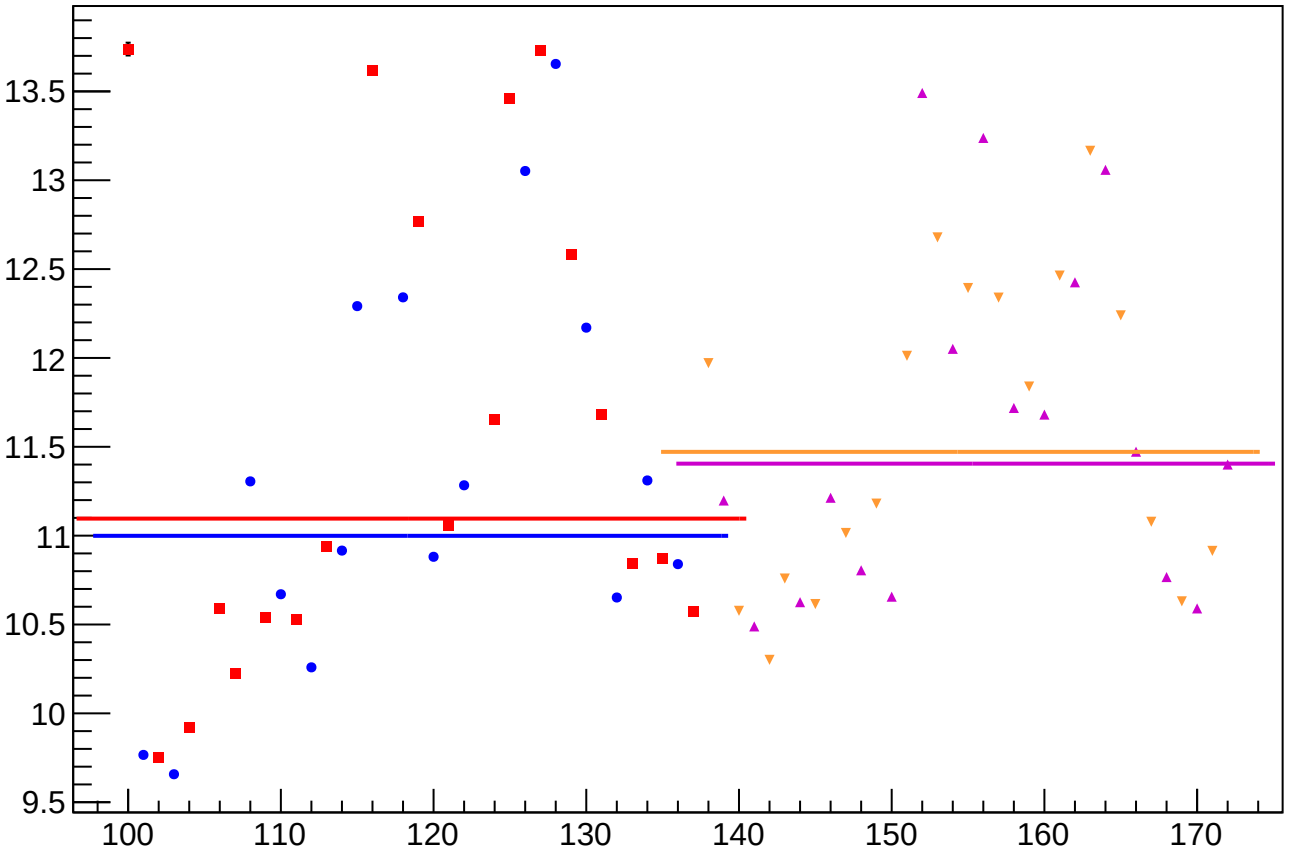
Left: 0.402+/-2.173 χ^2/NDF: 44.1/34

Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -2.254+/-2.466 χ^2/NDF:35.9/32

Out: 5.427+/-2.457 χ^2/NDF:45.7/36

All: 1.601+/-1.741 χ^2/NDF: 86.4/69



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.472+/-0.002 χ^2/NDF:143071.3/17

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.405+/-0.002 χ^2/NDF:161913.4/16

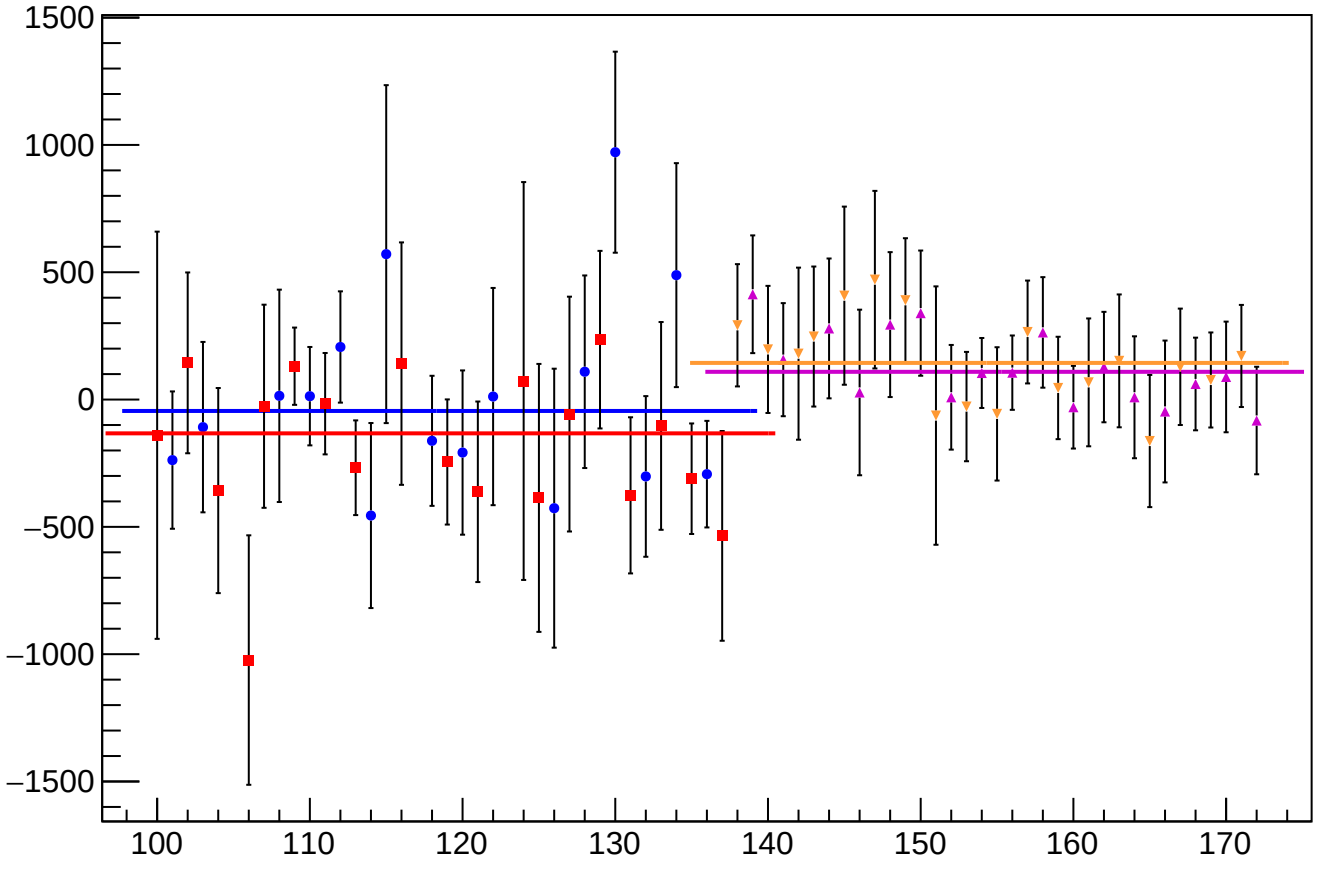
Left: 11.438+/-0.002 χ^2/NDF: 305451.5/34

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 11.260+/-0.002 χ^2/NDF:310513.8/32

Out: 11.336+/-0.002 χ^2/NDF:316742.5/36

All: 11.299+/-0.001 χ^2/NDF: 628211.7/69



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 143.920+/-58.110 χ^2/NDF:6.7/17

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: 123.828+/-37.936 χ^2/NDF: 13.3/34

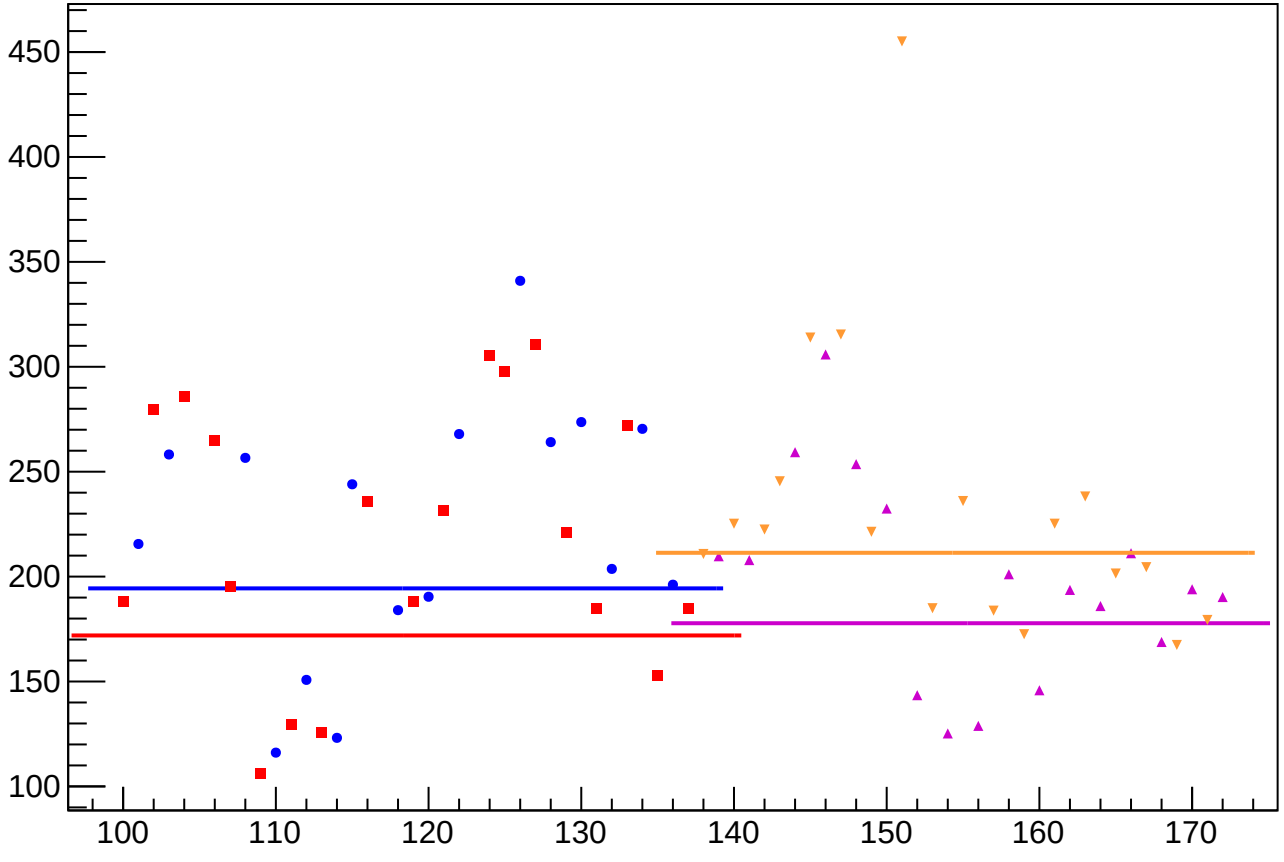
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 62.730+/-41.888 χ^2/NDF:24.7/32

Out: 27.693+/-44.250 χ^2/NDF:29.1/36

All: 46.171+/-30.420 χ^2/NDF: 54.0/69

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: 211.348+/-0.041 χ^2/NDF:1207541.4/17

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 177.777+/-0.035 χ^2/NDF:1540049.1/16

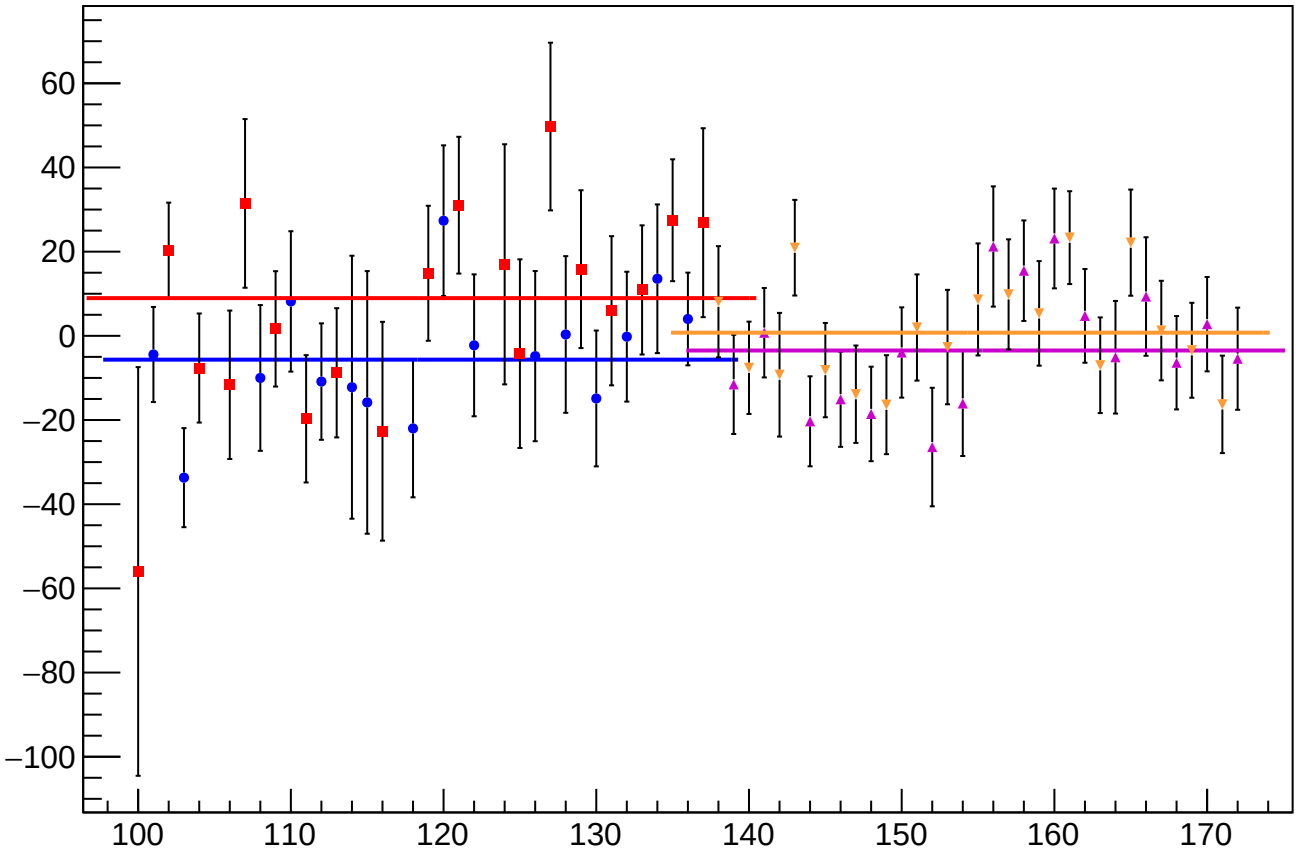
Left: 192.085+/-0.027 χ^2/NDF: 3130597.0/34

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 182.767+/-0.030 χ^2/NDF:2648148.3/32

Out: 194.795+/-0.031 χ^2/NDF:3245140.3/36

All: 188.451+/-0.022 χ^2/NDF: 5971230.9/69



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.747+/-2.846 χ^2/NDF:19.7/17

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: -1.349+/-2.021 χ^2/NDF: 42.8/34

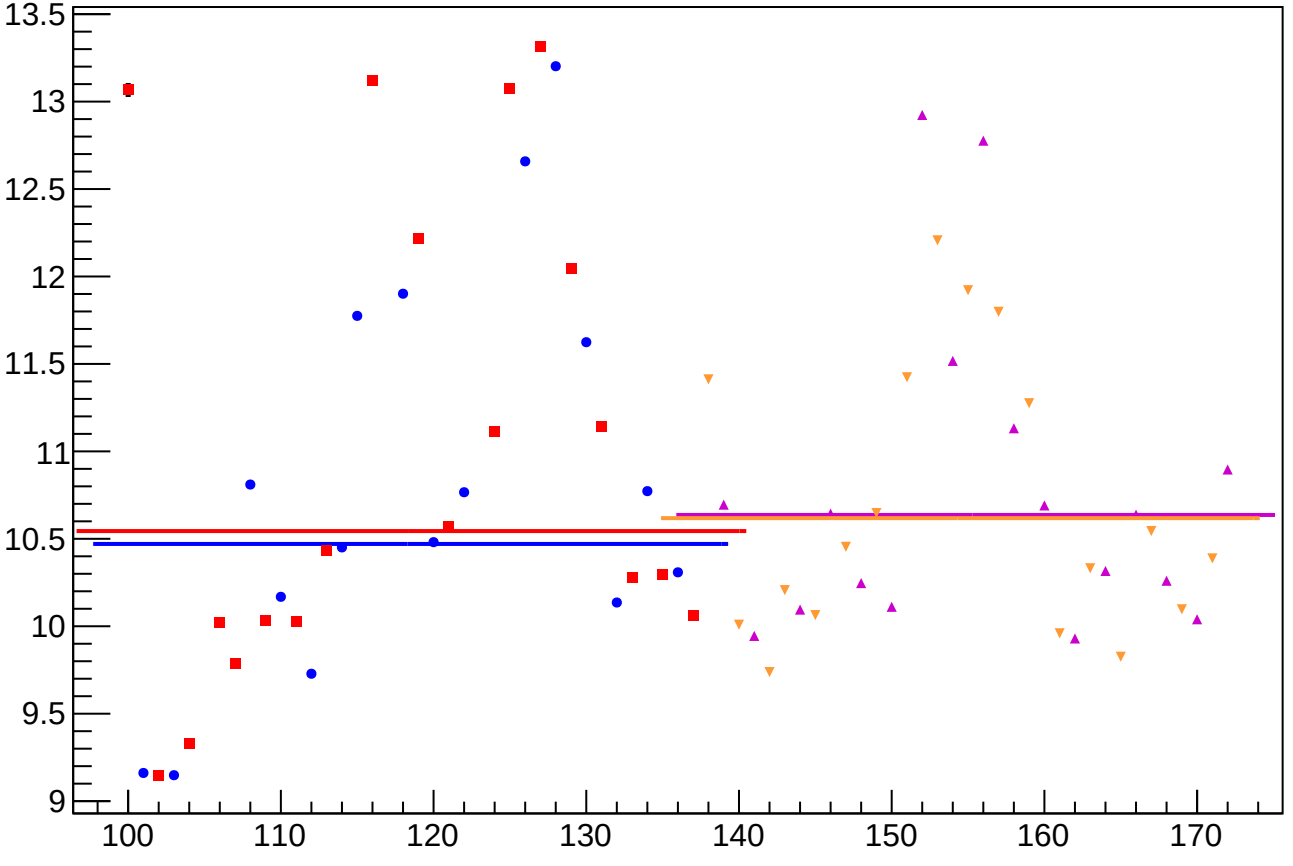
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -4.236+/-2.320 χ^2/NDF:35.9/32

Out: 3.600+/-2.299 χ^2/NDF:45.4/36

All: -0.283+/-1.633 χ^2/NDF: 87.0/69

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: 10.618+/-0.002 χ^2/NDF:126427.7/17

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.636+/-0.002 χ^2/NDF:150070.9/16

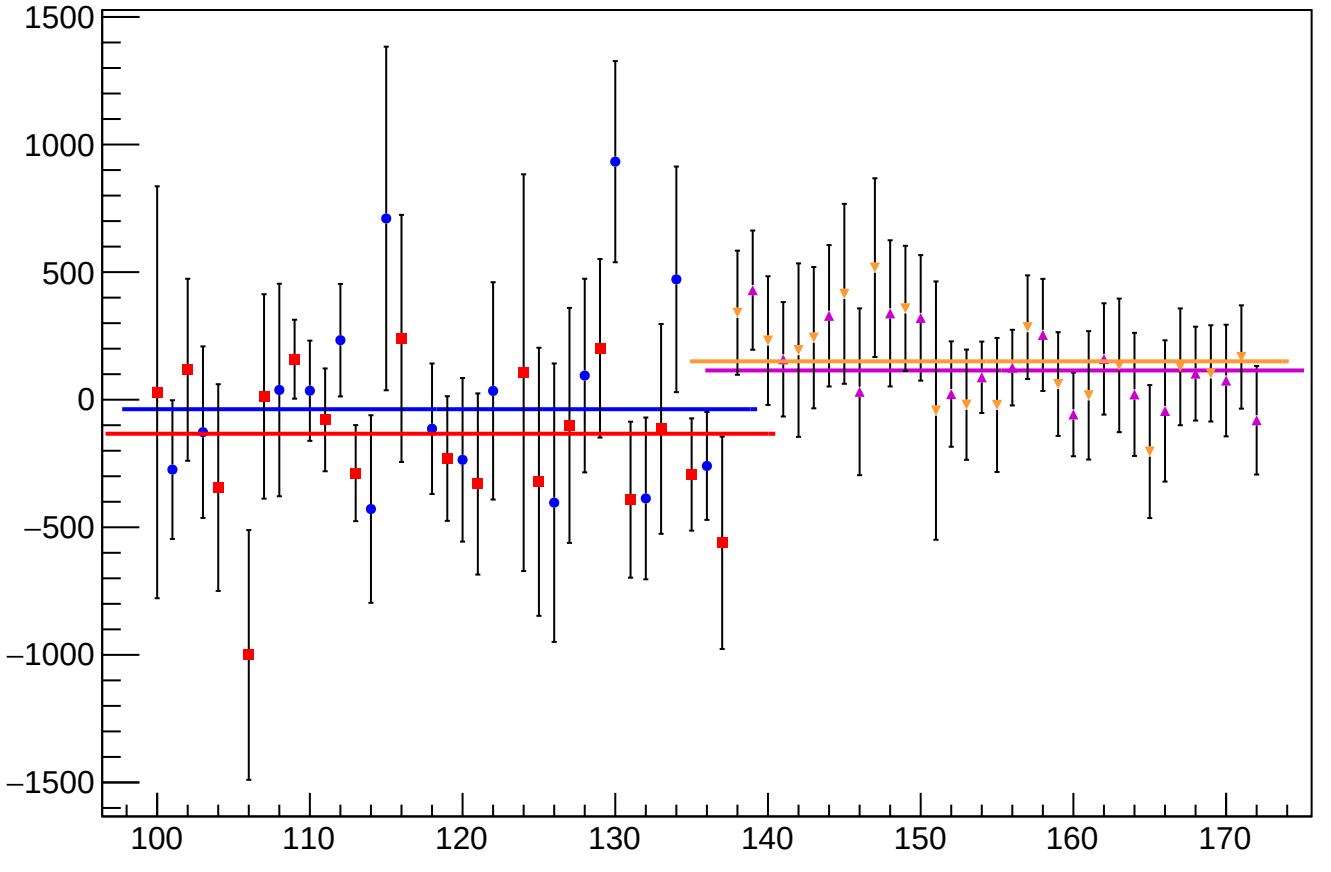
Left: 10.627+/-0.001 χ^2/NDF: 276539.3/34

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.579+/-0.002 χ^2/NDF:309750.6/32

Out: 10.593+/-0.002 χ^2/NDF:313675.5/36

All: 10.586+/-0.001 χ^2/NDF: 623461.1/69



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 150.454+/-58.505 χ^2/NDF:7.2/17

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: 129.970+/-38.258 χ^2/NDF: 14.4/34

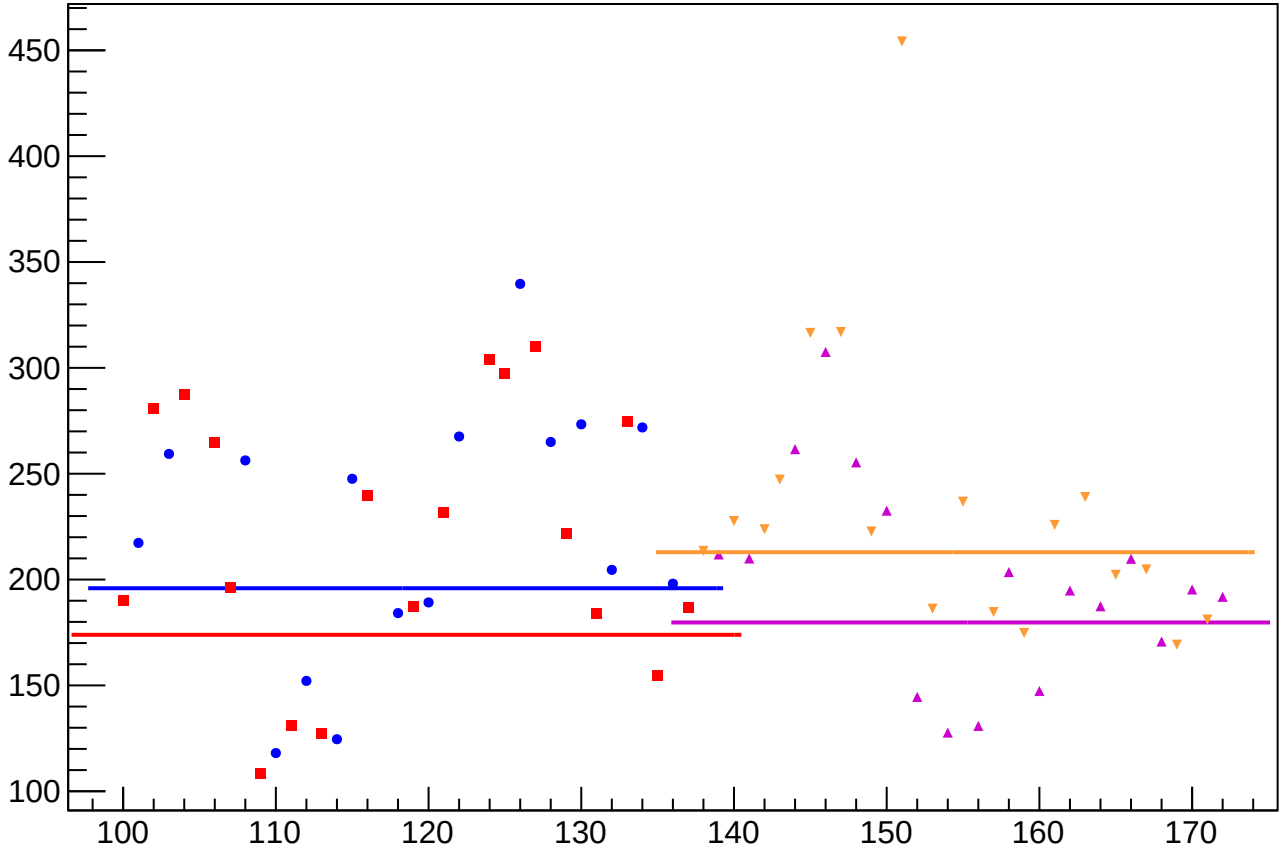
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 68.820+/-42.254 χ^2/NDF:25.3/32

Out: 31.510+/-44.593 χ^2/NDF:30.0/36

All: 51.169+/-30.672 χ^2/NDF: 55.7/69

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: 212.923+/-0.041 χ^2/NDF:1189688.7/17

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: 193.926+/-0.027 χ^2/NDF: 3054483.1/34

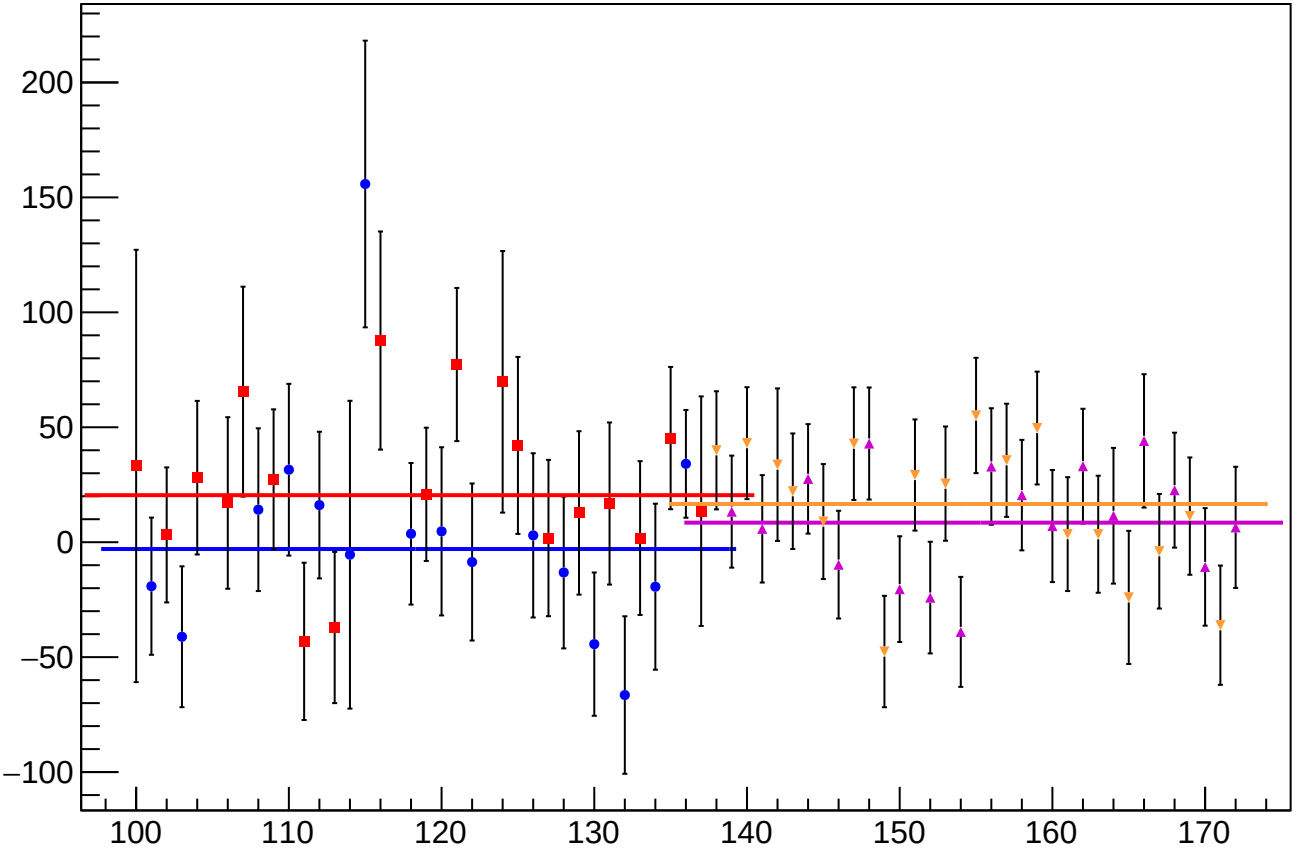
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 184.612+/-0.030 χ^2/NDF:2569069.1/32

Out: 196.571+/-0.032 χ^2/NDF:3162139.8/36

All: 190.270+/-0.022 χ^2/NDF: 5807004.3/69

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: 16.632+/-5.989 χ^2/NDF:23.1/17

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: 12.591+/-4.246 χ^2/NDF: 39.2/34

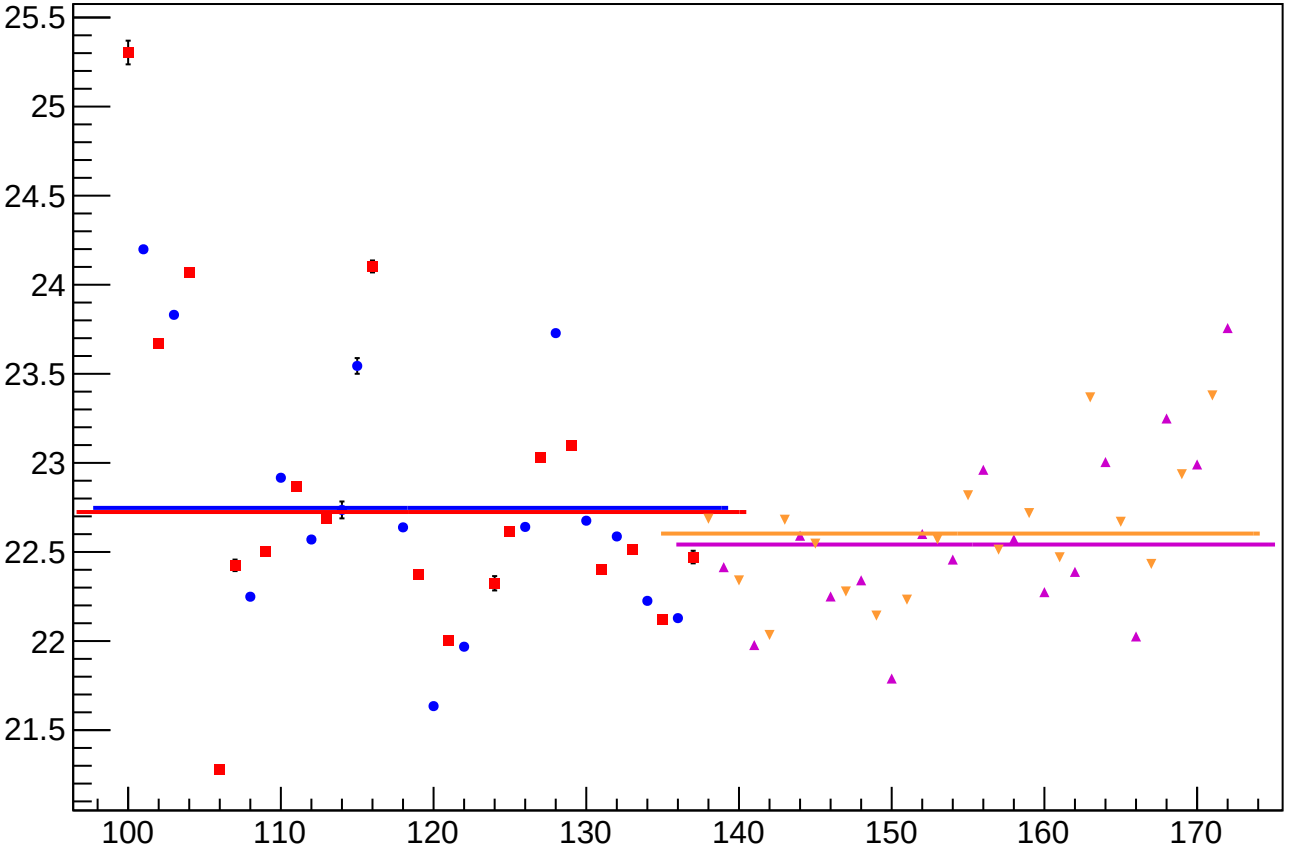
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 4.647+/-4.904 χ^2/NDF:34.3/32

Out: 17.944+/-4.855 χ^2/NDF:38.5/36

All: 11.362+/-3.450 χ^2/NDF: 76.6/69

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: 22.603+/-0.004 χ^2/NDF:6729.5/17

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: 22.573+/-0.003 χ^2/NDF: 19146.2/34

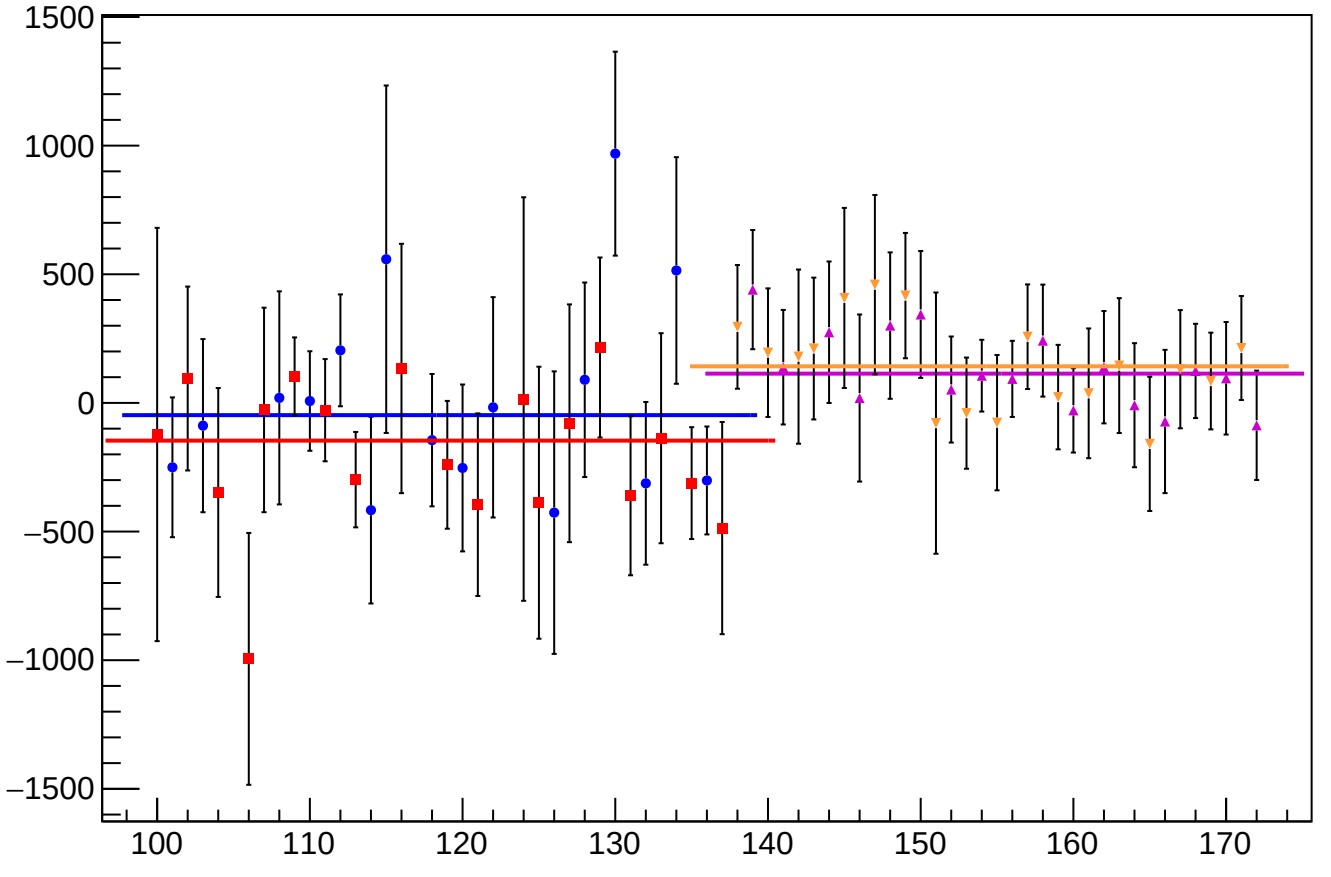
Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.611+/-0.003 χ^2/NDF:27720.3/32

Out: 22.645+/-0.003 χ^2/NDF:21499.9/36

All: 22.628+/-0.002 χ^2/NDF: 49268.1/69

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: 142.207+/-58.384 χ^2/NDF:7.2/17

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: 125.952+/-38.163 χ^2/NDF: 13.9/34

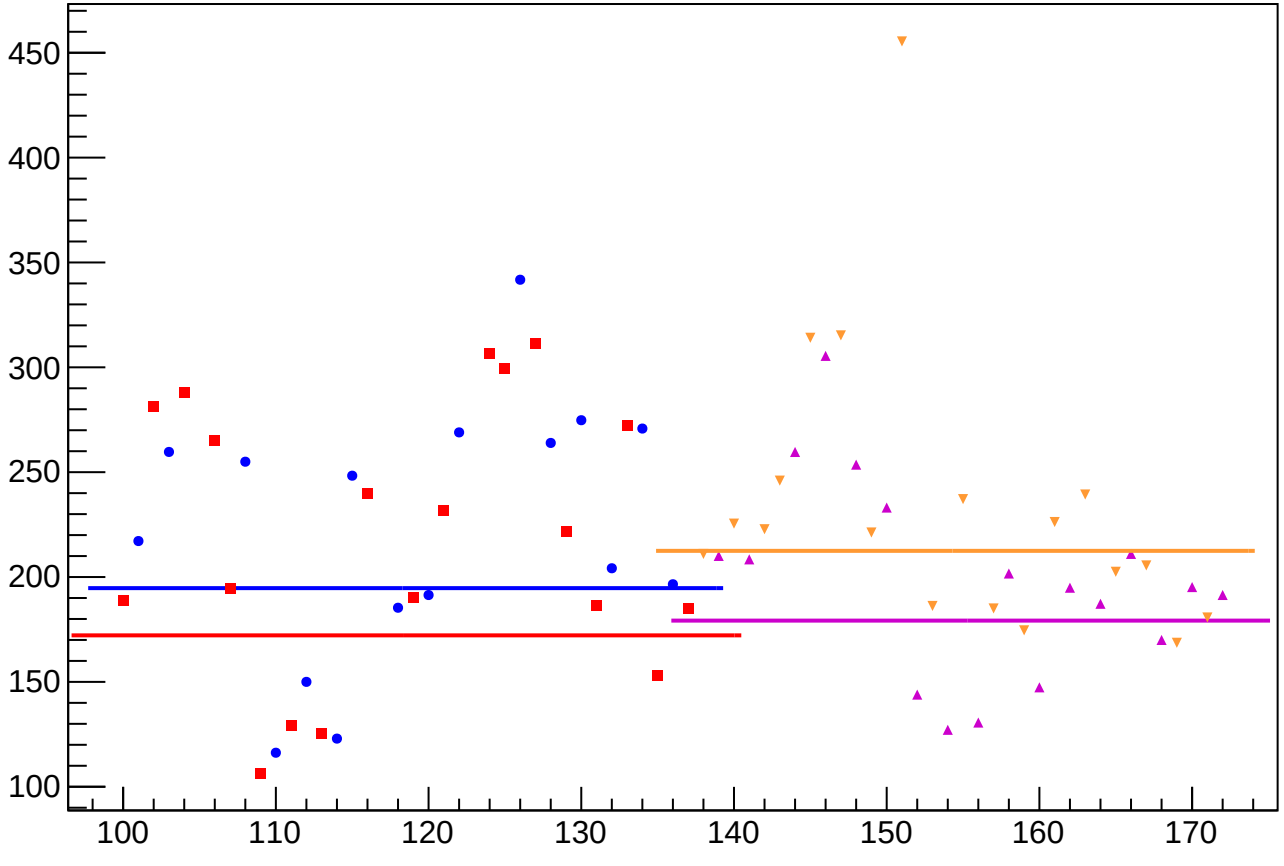
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 65.017+/-42.115 χ^2/NDF:25.1/32

Out: 20.484+/-44.406 χ^2/NDF:29.1/36

All: 43.930+/-30.558 χ^2/NDF: 54.7/69

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: 212.486+/-0.041 χ^2/NDF:1182881.7/17

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 179.222+/-0.036 χ^2/NDF:1486651.8/16

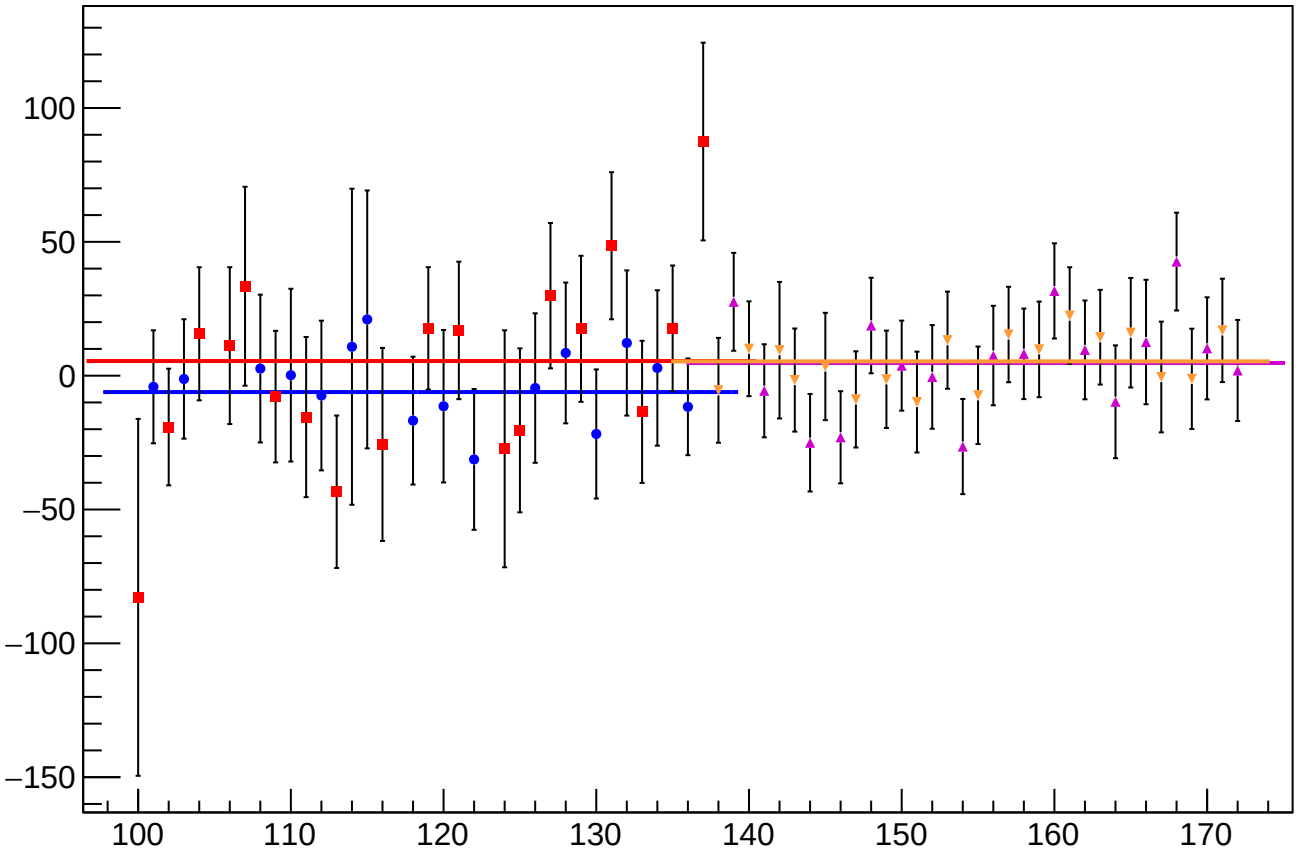
Left: 193.434+/-0.027 χ^2/NDF: 3041359.4/34

Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 183.906+/-0.030 χ^2/NDF:2596000.2/32

Out: 195.499+/-0.031 χ^2/NDF:3255594.7/36

All: 189.396+/-0.022 χ^2/NDF: 5923353.5/69



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.341+/-4.458 χ^2/NDF:5.0/17

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: 5.045+/-3.152 χ^2/NDF: 23.4/34

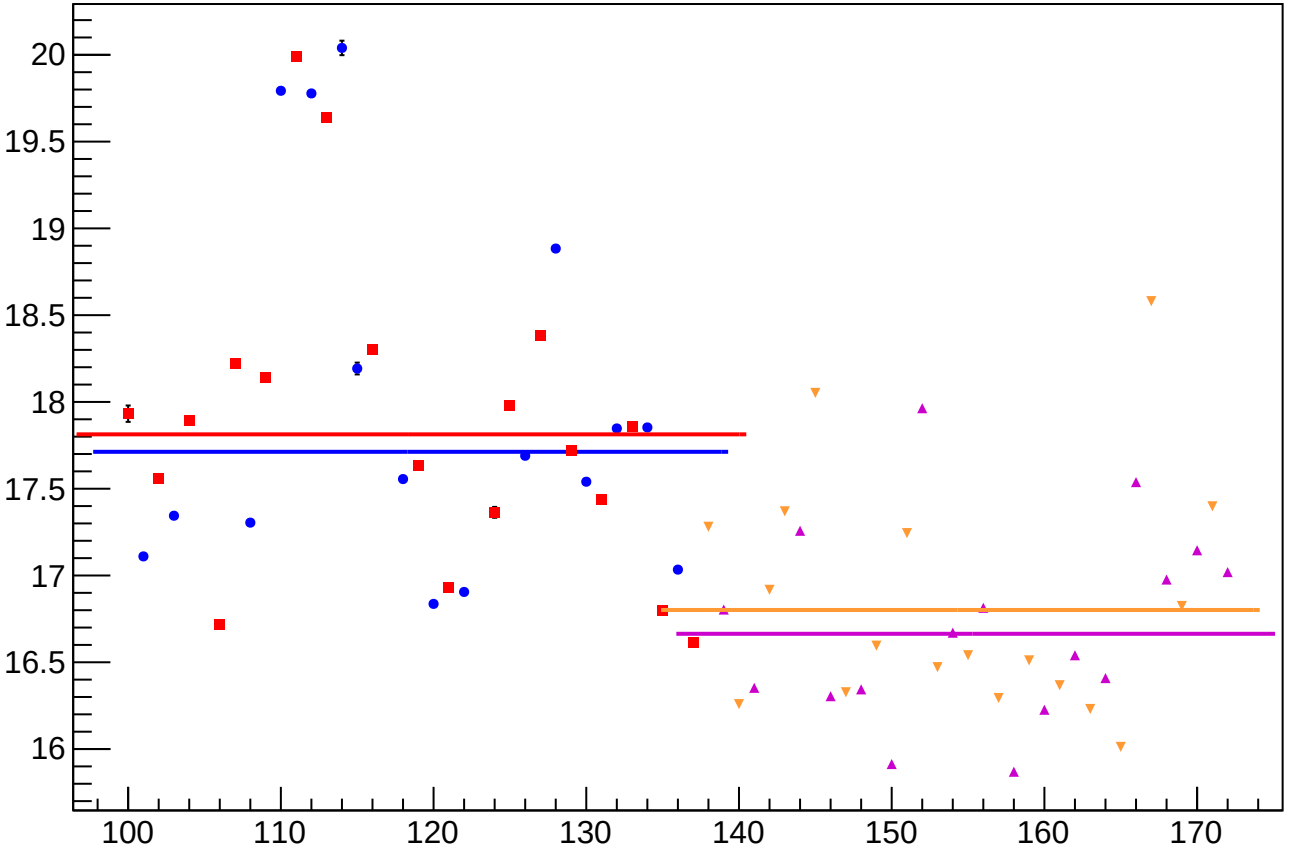
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: 1.340+/-3.692 χ^2/NDF:23.4/32

Out: 5.382+/-3.678 χ^2/NDF:24.2/36

All: 3.369+/-2.606 χ^2/NDF: 48.2/69

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: 16.801+/-0.003 χ^2/NDF:41535.5/17

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.664+/-0.003 χ^2/NDF:28926.5/16

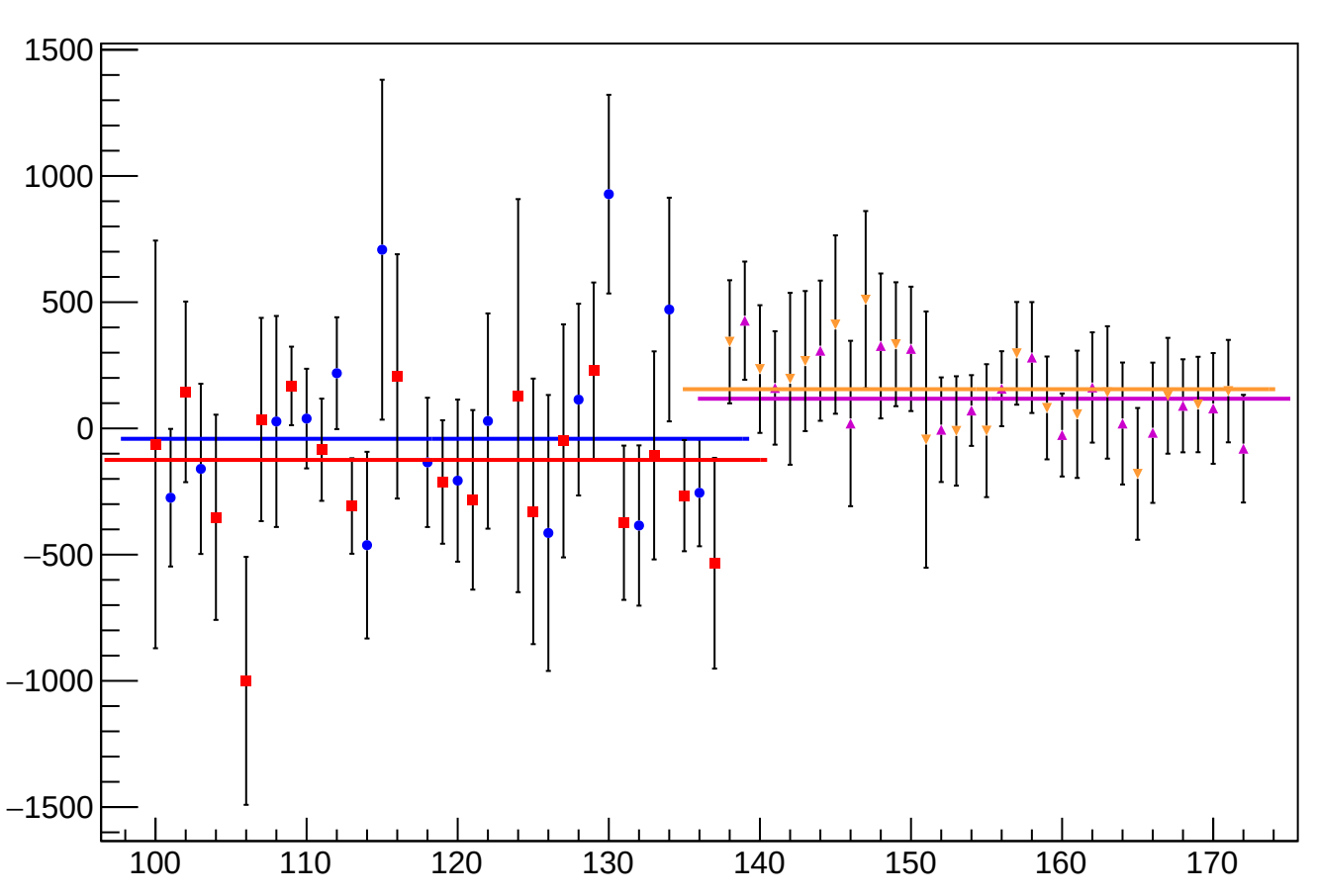
Left: 16.733+/-0.002 χ^2/NDF: 71409.7/34

Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 16.993+/-0.003 χ^2/NDF:99635.3/32

Out: 17.124+/-0.003 χ^2/NDF:107153.2/36

All: 17.059+/-0.002 χ^2/NDF: 208060.9/69



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 155.399+/-58.633 χ^2/NDF:6.6/17

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: 133.751+/-38.337 χ^2/NDF: 13.6/34

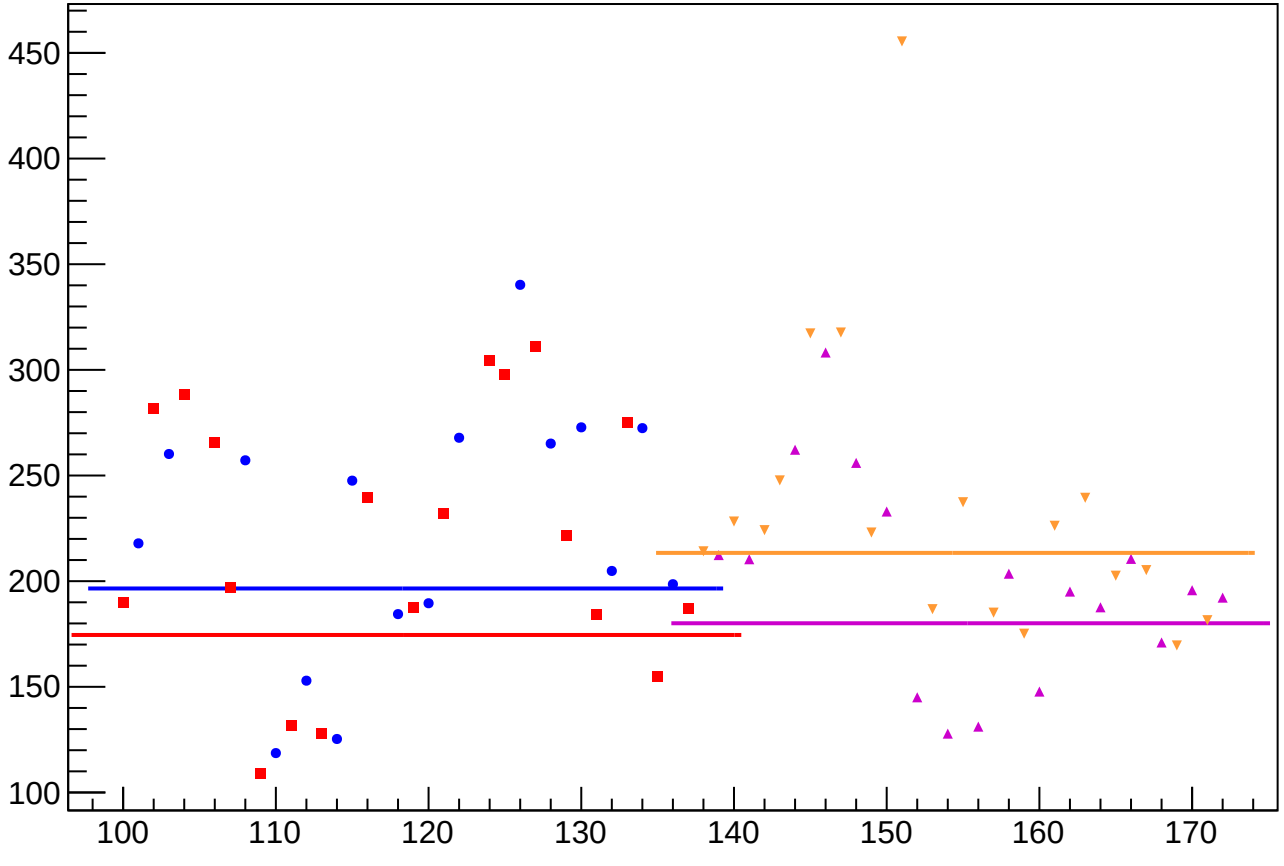
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 69.754+/-42.349 χ^2/NDF:25.3/32

Out: 38.093+/-44.710 χ^2/NDF:29.1/36

All: 54.781+/-30.746 χ^2/NDF: 54.6/69

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: 213.387+/-0.041 χ^2/NDF:1189900.1/17

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: 194.320+/-0.027 χ^2/NDF: 3055743.2/34

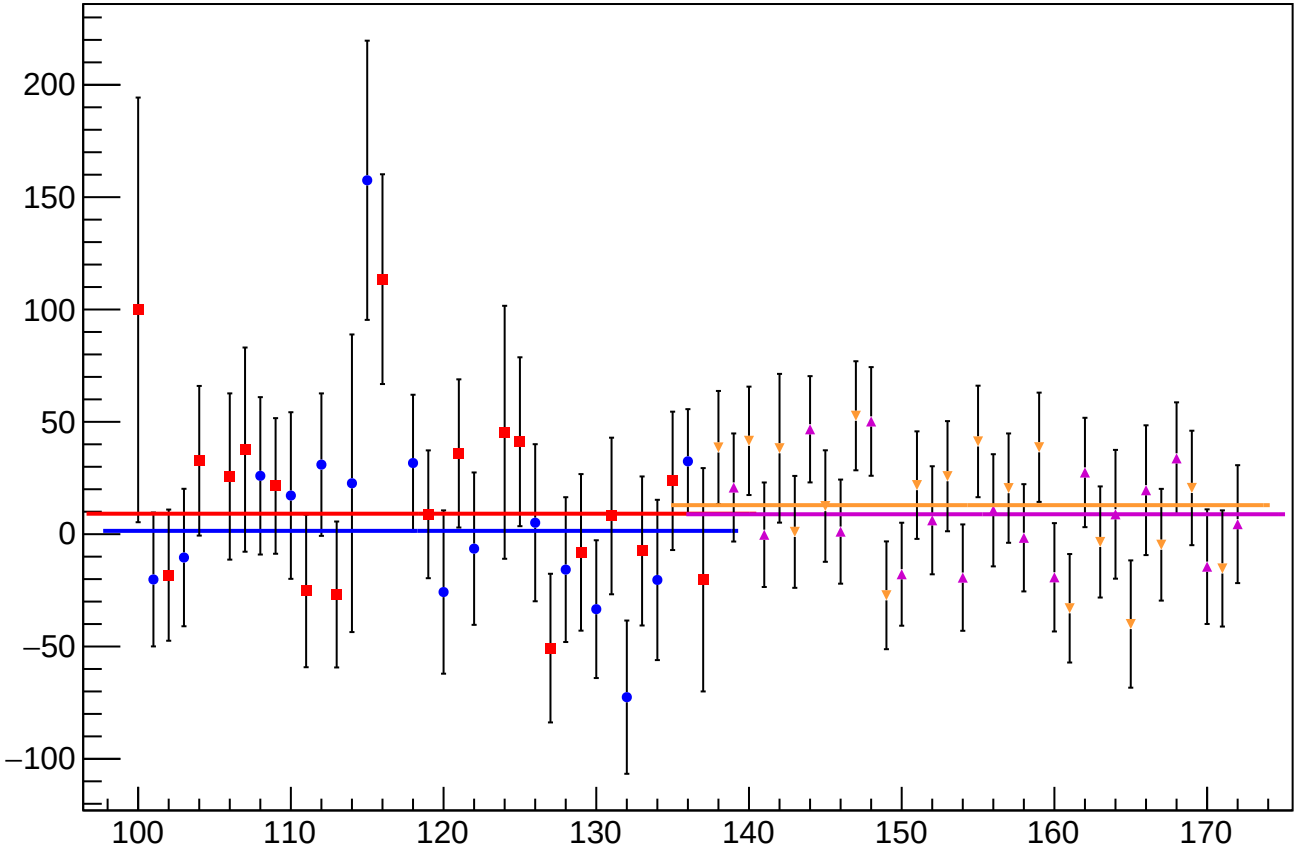
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 185.042+/-0.030 χ^2/NDF:2560782.8/32

Out: 197.128+/-0.032 χ^2/NDF:3146081.5/36

All: 190.758+/-0.022 χ^2/NDF: 5783891.5/69

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 12.919+/-5.919 χ^2/NDF:21.0/17

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: 10.908+/-4.200 χ^2/NDF: 34.1/34

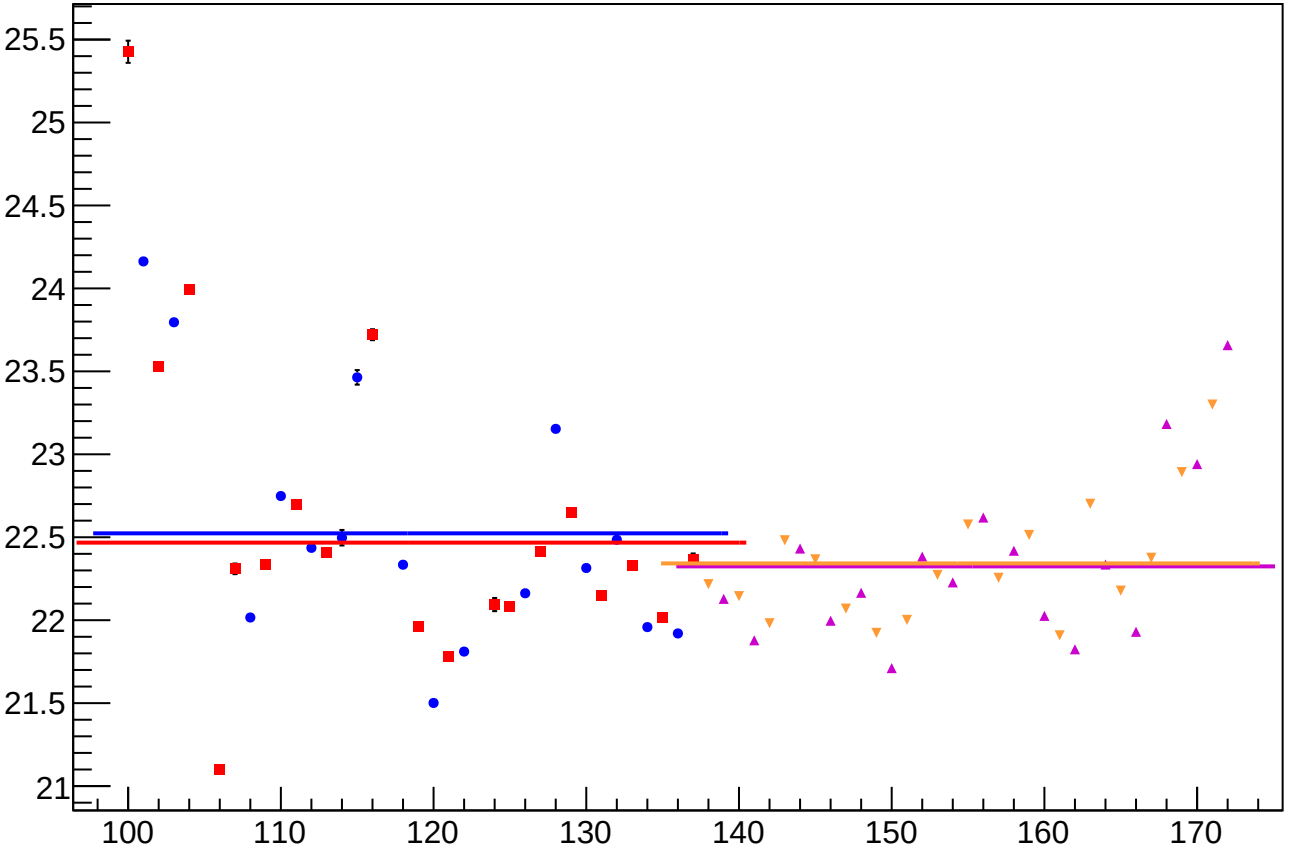
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 6.380+/-4.856 χ^2/NDF:32.1/32

Out: 11.615+/-4.799 χ^2/NDF:37.6/36

All: 9.028+/-3.413 χ^2/NDF: 70.3/69

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: 22.342+/-0.004 χ^2/NDF:6887.3/17

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: 22.333+/-0.003 χ^2/NDF: 20305.4/34

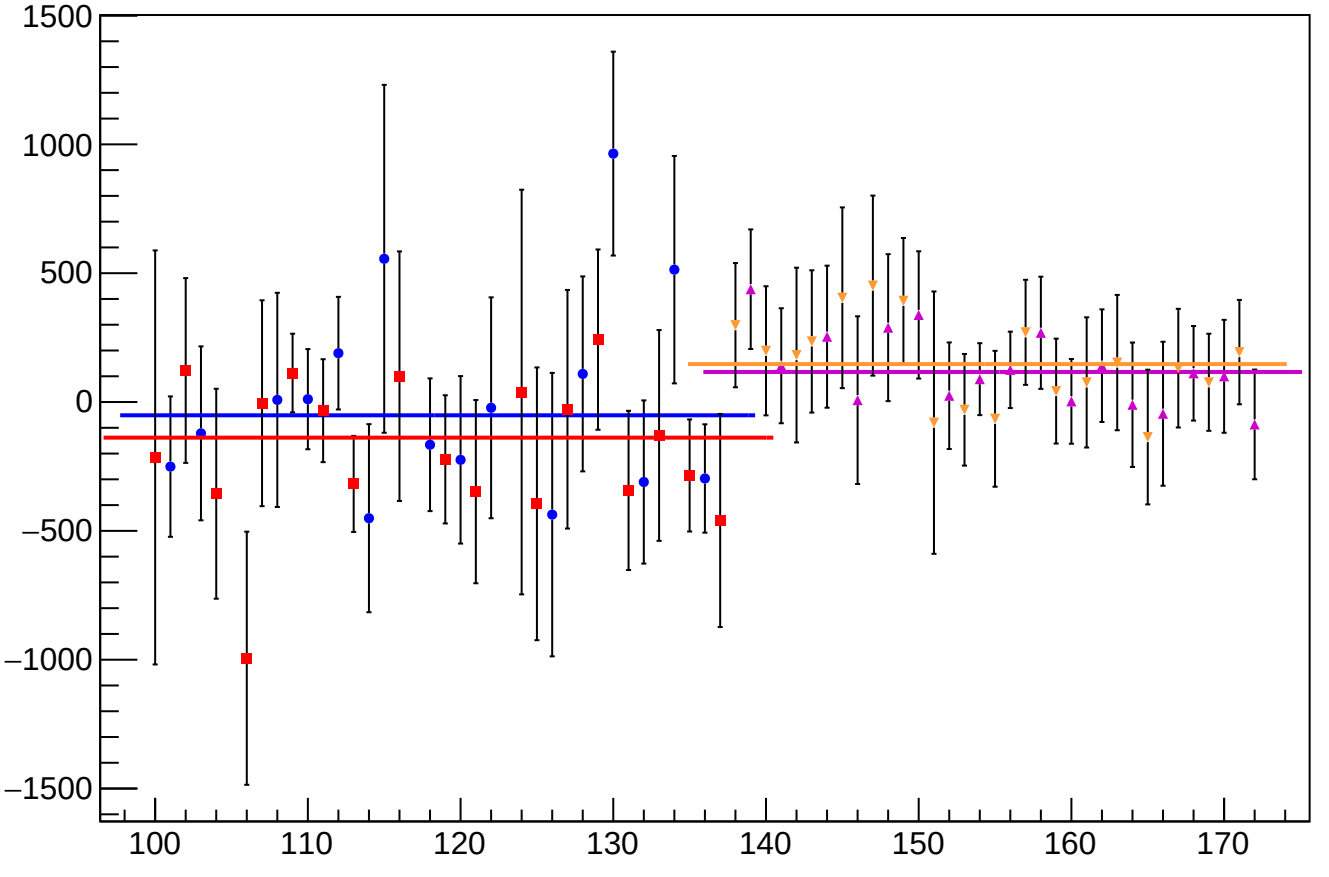
Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.391+/-0.003 χ^2/NDF:30108.3/32

Out: 22.385+/-0.003 χ^2/NDF:22821.2/36

All: 22.388+/-0.002 χ^2/NDF: 52931.2/69

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 147.220+/-58.512 χ^2/NDF:6.5/17

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: 129.707+/-38.241 χ^2/NDF: 12.8/34

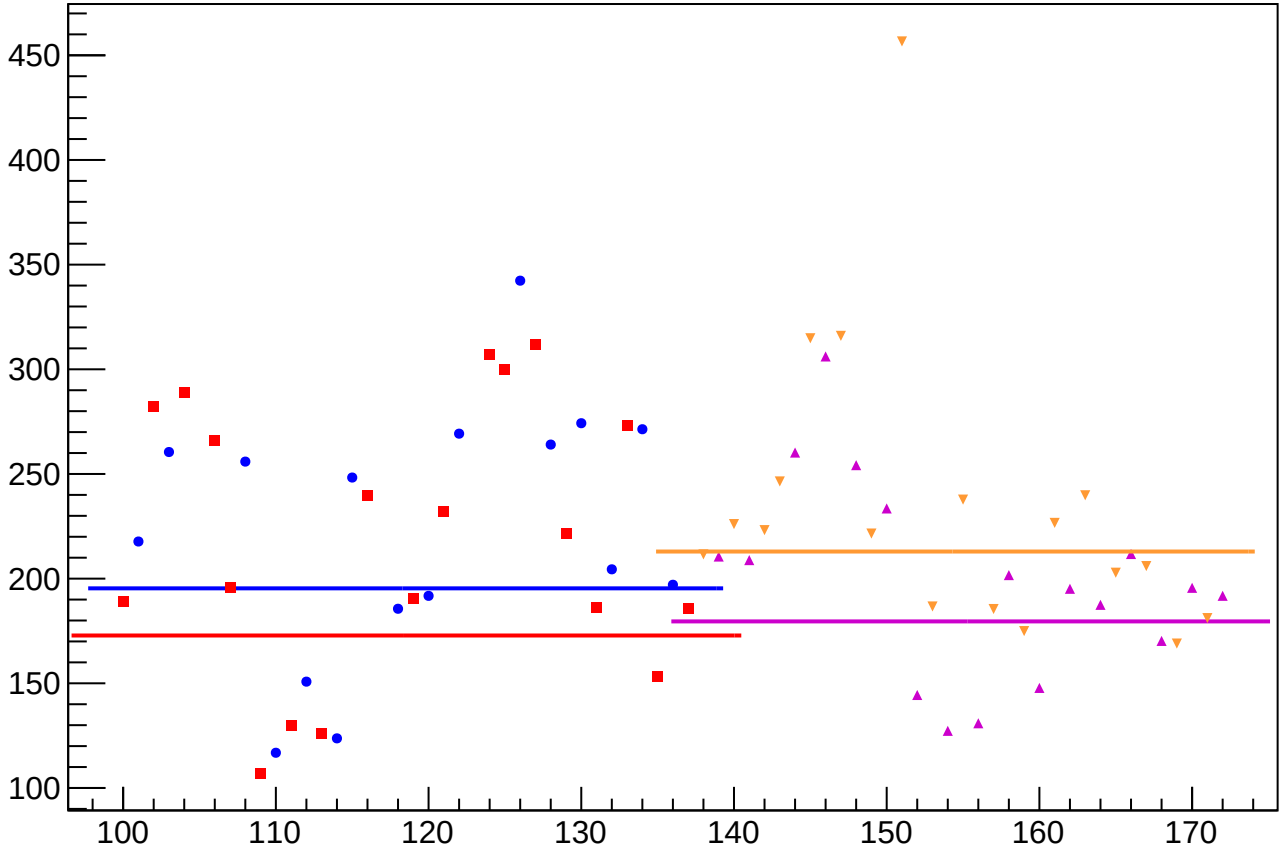
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 65.858+/-42.209 χ^2/NDF:24.9/32

Out: 27.076+/-44.525 χ^2/NDF:28.1/36

All: 47.501+/-30.632 χ^2/NDF: 53.4/69

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: 212.949+/-0.041 χ^2/NDF:1183081.1/17

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: 193.826+/-0.027 χ^2/NDF: 3042778.2/34

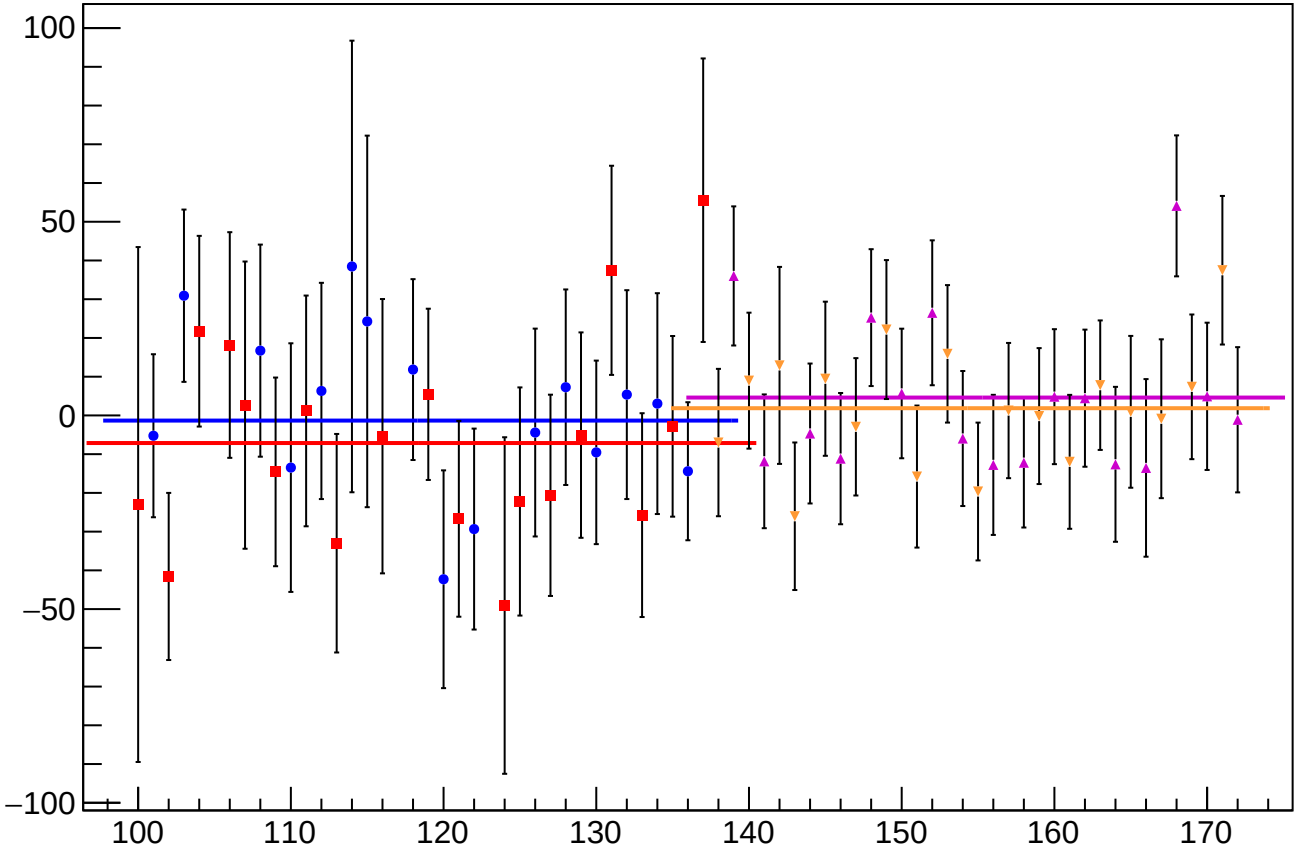
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 184.339+/-0.030 χ^2/NDF:2587264.2/32

Out: 196.063+/-0.031 χ^2/NDF:3238178.9/36

All: 189.888+/-0.022 χ^2/NDF: 5898484.7/69

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: 1.864+/-4.366 χ^2/NDF:11.6/17

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: 3.232+/-3.093 χ^2/NDF: 30.8/34

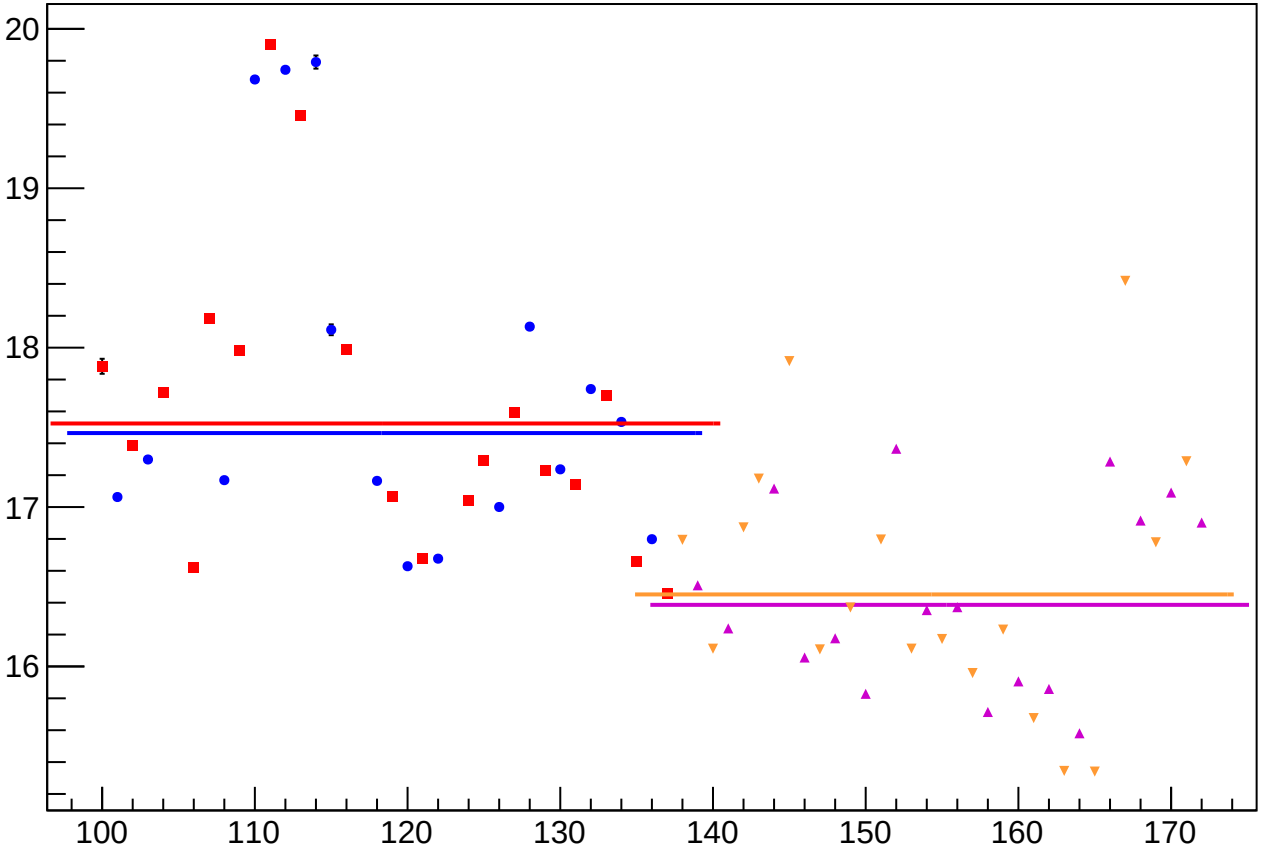
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 2.753+/-3.633 χ^2/NDF:27.6/32

Out: -0.990+/-3.607 χ^2/NDF:27.3/36

All: 0.868+/-2.560 χ^2/NDF: 55.4/69

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: 16.452+/-0.003 χ^2/NDF:62384.2/17

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: 16.419+/-0.002 χ^2/NDF: 93663.8/34

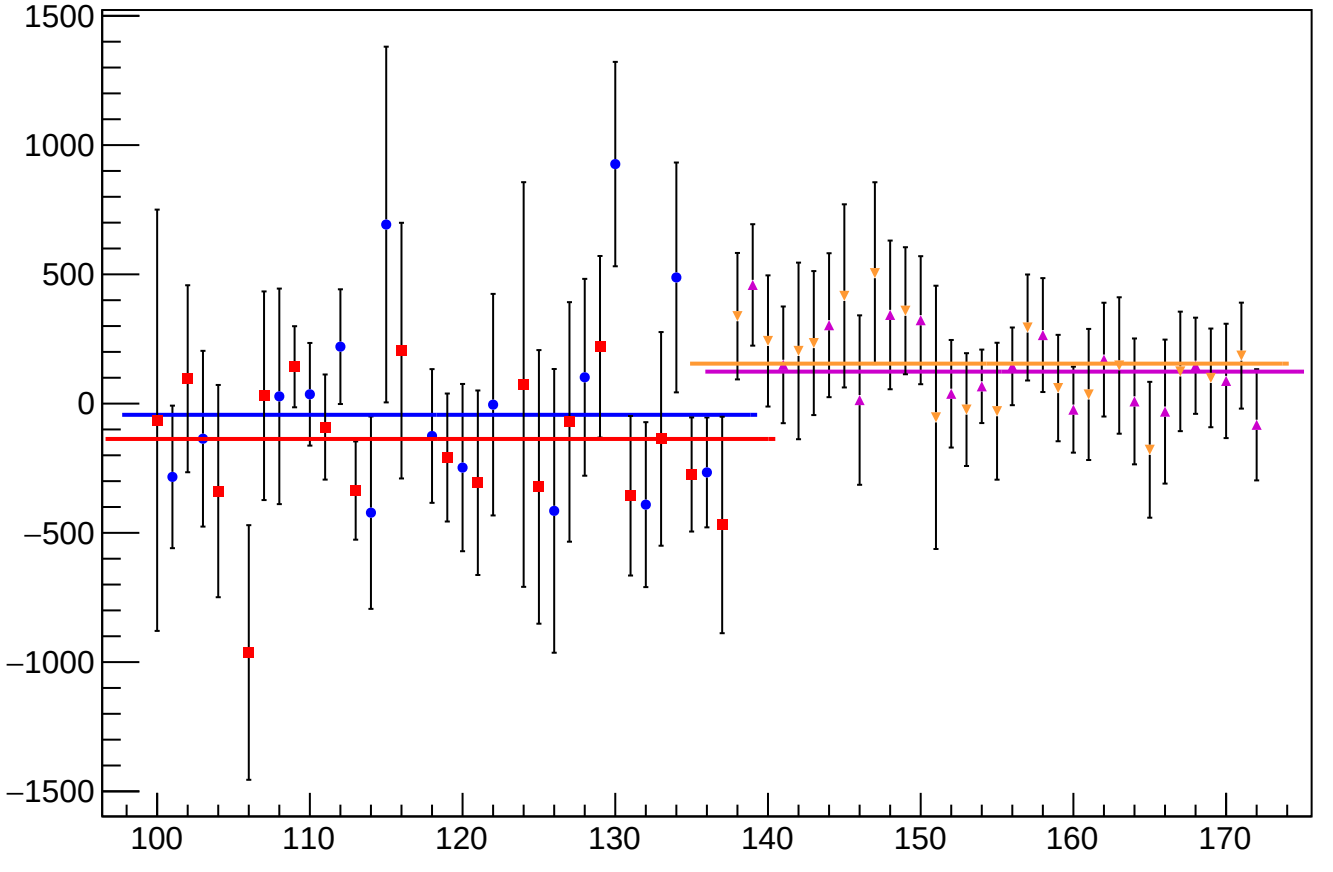
Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.723+/-0.003 χ^2/NDF:105520.2/32

Out: 16.792+/-0.003 χ^2/NDF:135418.4/36

All: 16.758+/-0.002 χ^2/NDF: 241302.3/69

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 154.604+/-59.007 χ^2/NDF:7.0/17

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: 136.906+/-38.617 χ^2/NDF: 14.0/34

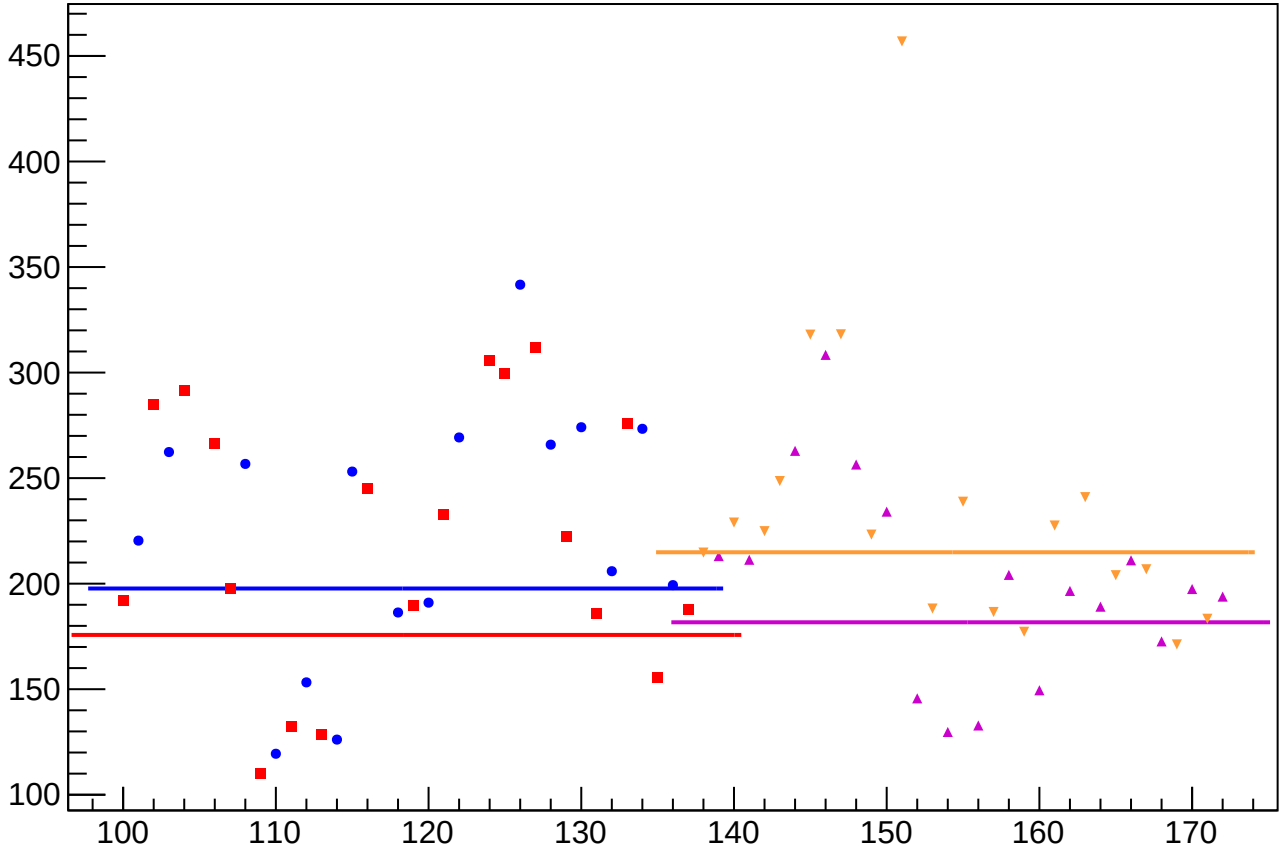
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 73.148+/-42.660 χ^2/NDF:25.6/32

Out: 32.663+/-44.997 χ^2/NDF:28.7/36

All: 53.984+/-30.958 χ^2/NDF: 54.7/69

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: 214.875+/-0.042 χ^2/NDF:1166545.4/17

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: 195.908+/-0.027 χ^2/NDF: 2981190.0/34

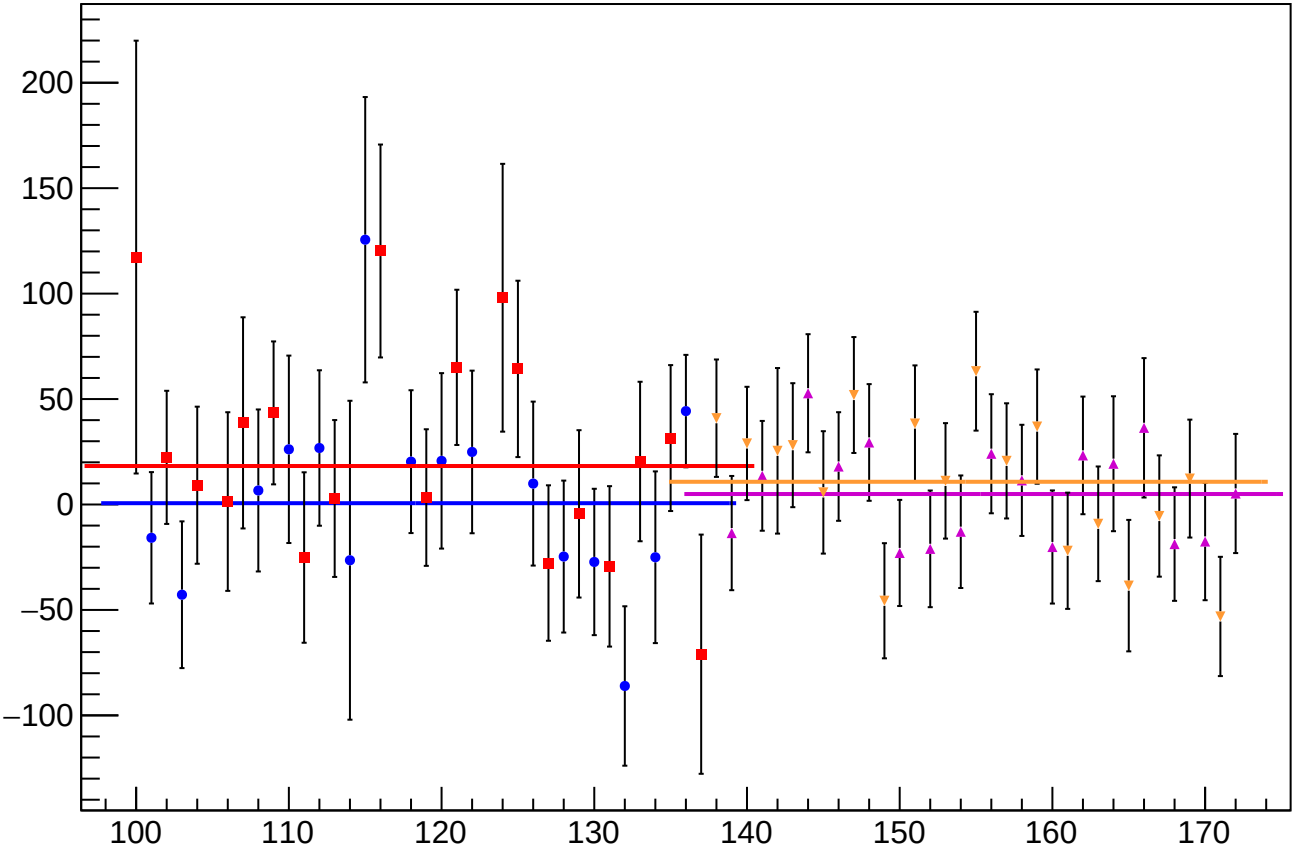
Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 186.538+/-0.030 χ^2/NDF:2512908.5/32

Out: 198.487+/-0.032 χ^2/NDF:3125731.3/36

All: 192.194+/-0.022 χ^2/NDF: 5712918.9/69

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 10.774+/-6.684 χ^2/NDF:24.1/17

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: 7.869+/-4.725 χ^2/NDF: 35.9/34

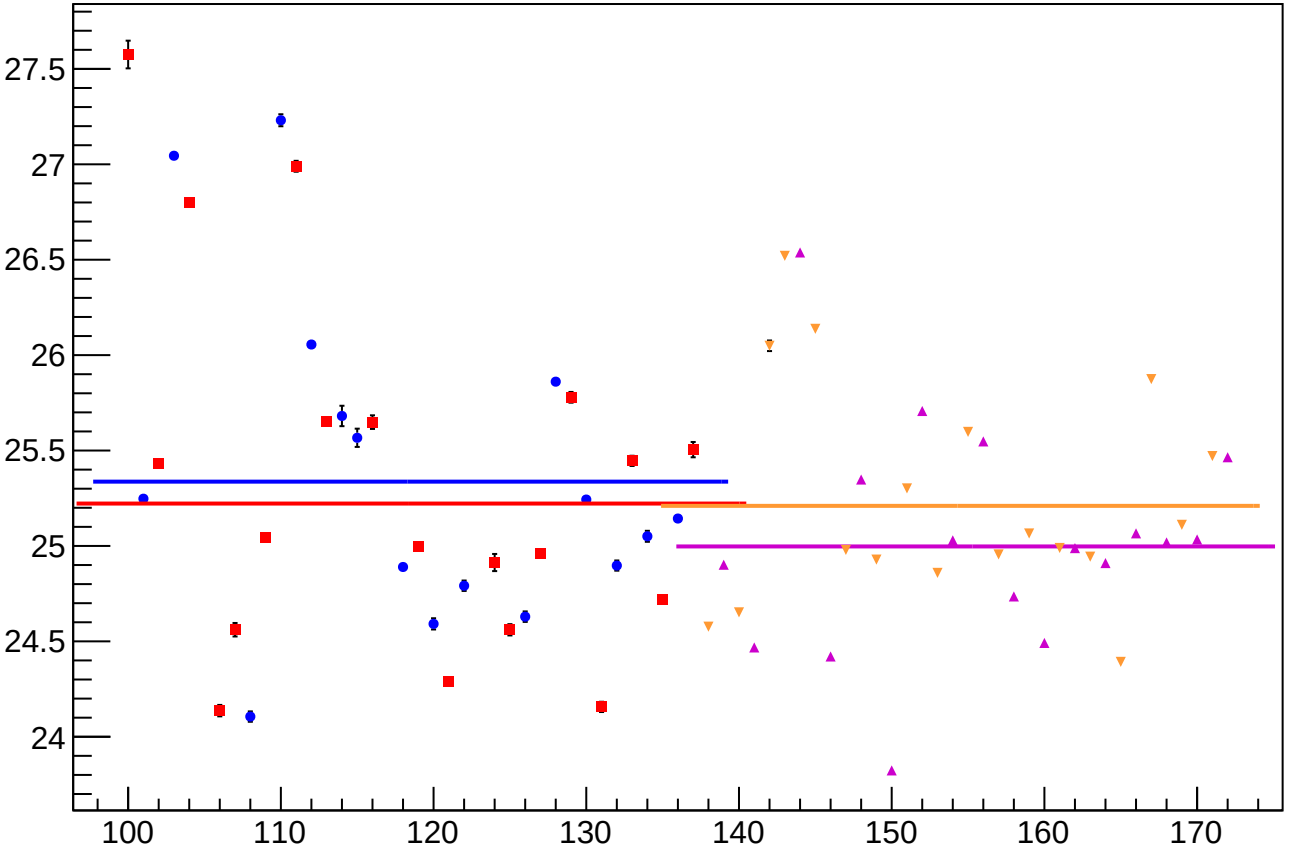
Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: 3.512+/-5.450 χ^2/NDF:28.3/32

Out: 13.353+/-5.409 χ^2/NDF:42.5/36

All: 8.470+/-3.839 χ^2/NDF: 72.4/69

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.210+/-0.005 χ^2/NDF:13101.5/17

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 24.997+/-0.005 χ^2/NDF:16143.1/16

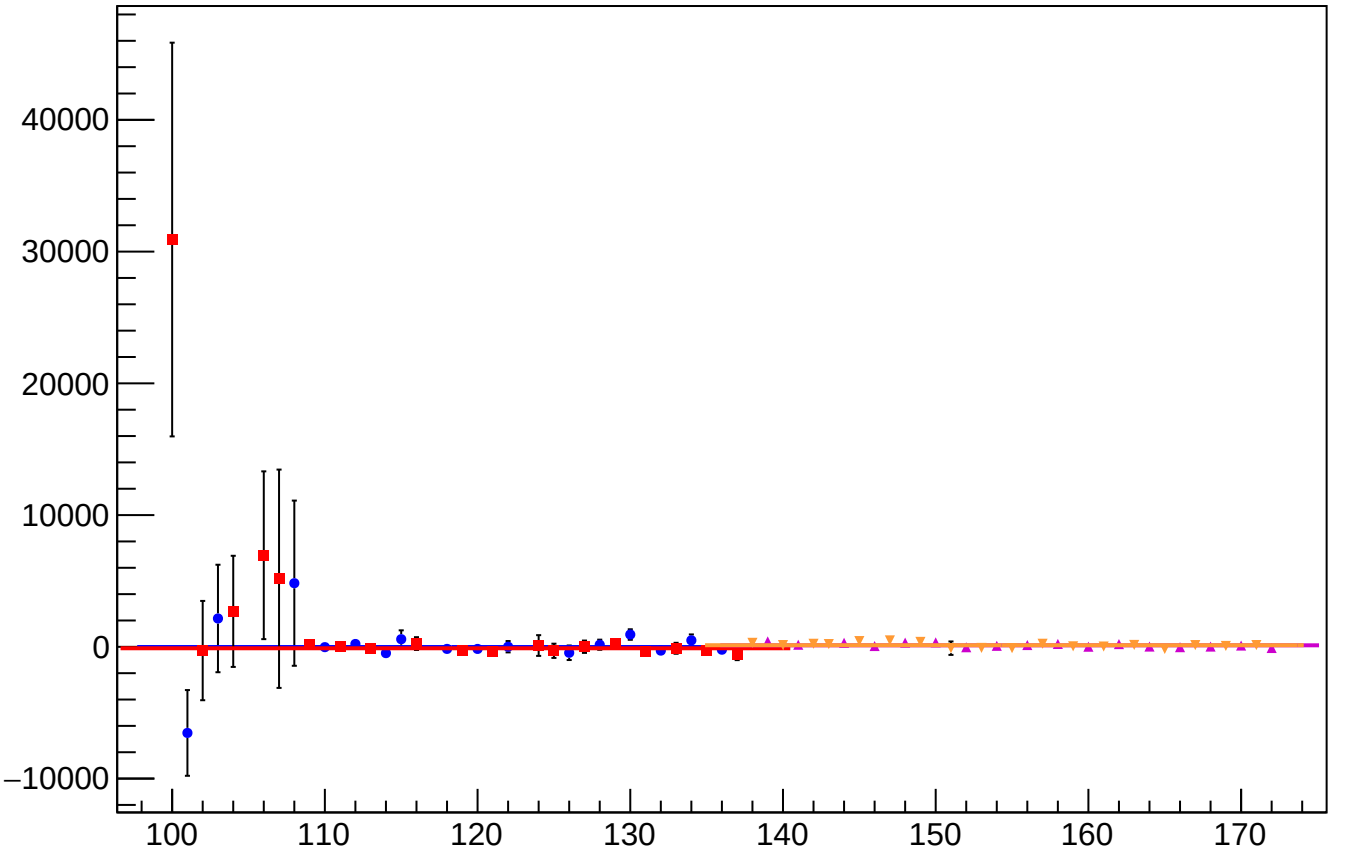
Left: 25.104+/-0.003 χ^2/NDF: 30257.9/34

Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.111+/-0.004 χ^2/NDF:32187.5/32

Out: 25.214+/-0.004 χ^2/NDF:28328.2/36

All: 25.163+/-0.003 χ^2/NDF: 60877.2/69



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 123.138+/-59.558 χ^2/NDF:7.1/17

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: 118.949+/-39.099 χ^2/NDF: 13.4/34

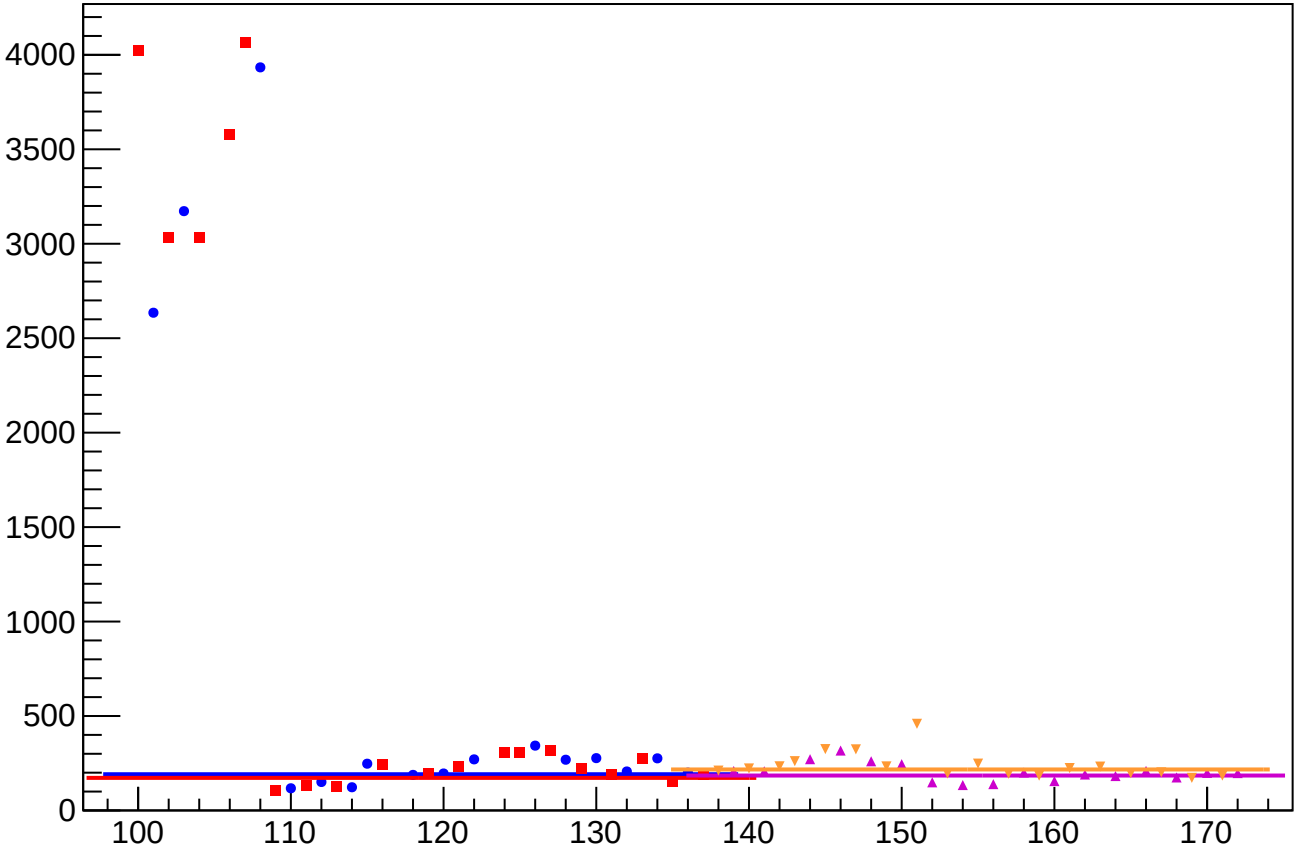
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 80.025+/-44.211 χ^2/NDF:26.3/32

Out: 37.843+/-47.358 χ^2/NDF:26.7/36

All: 60.382+/-32.317 χ^2/NDF: 53.5/69

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: 216.998+/-0.042 χ^2/NDF:1163971.0/17

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: 198.711+/-0.028 χ^2/NDF: 2832813.5/34

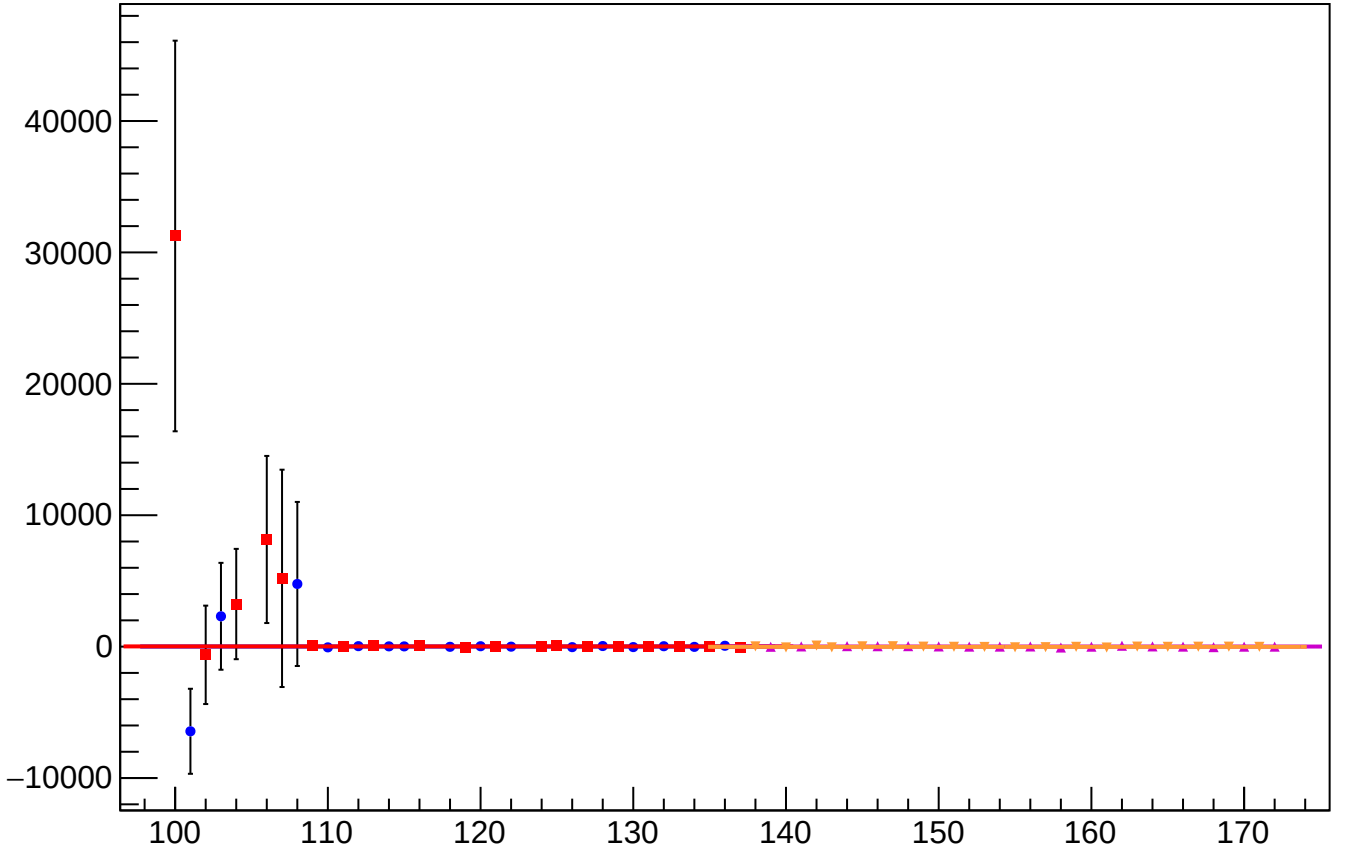
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 186.733+/-0.031 χ^2/NDF:5168861.0/32

Out: 200.622+/-0.033 χ^2/NDF:5878320.4/36

All: 193.201+/-0.023 χ^2/NDF: 11139089.1/69

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: -14.366+/-7.633 χ^2/NDF:17.8/17

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: -3.725+/-5.418 χ^2/NDF: 38.2/34

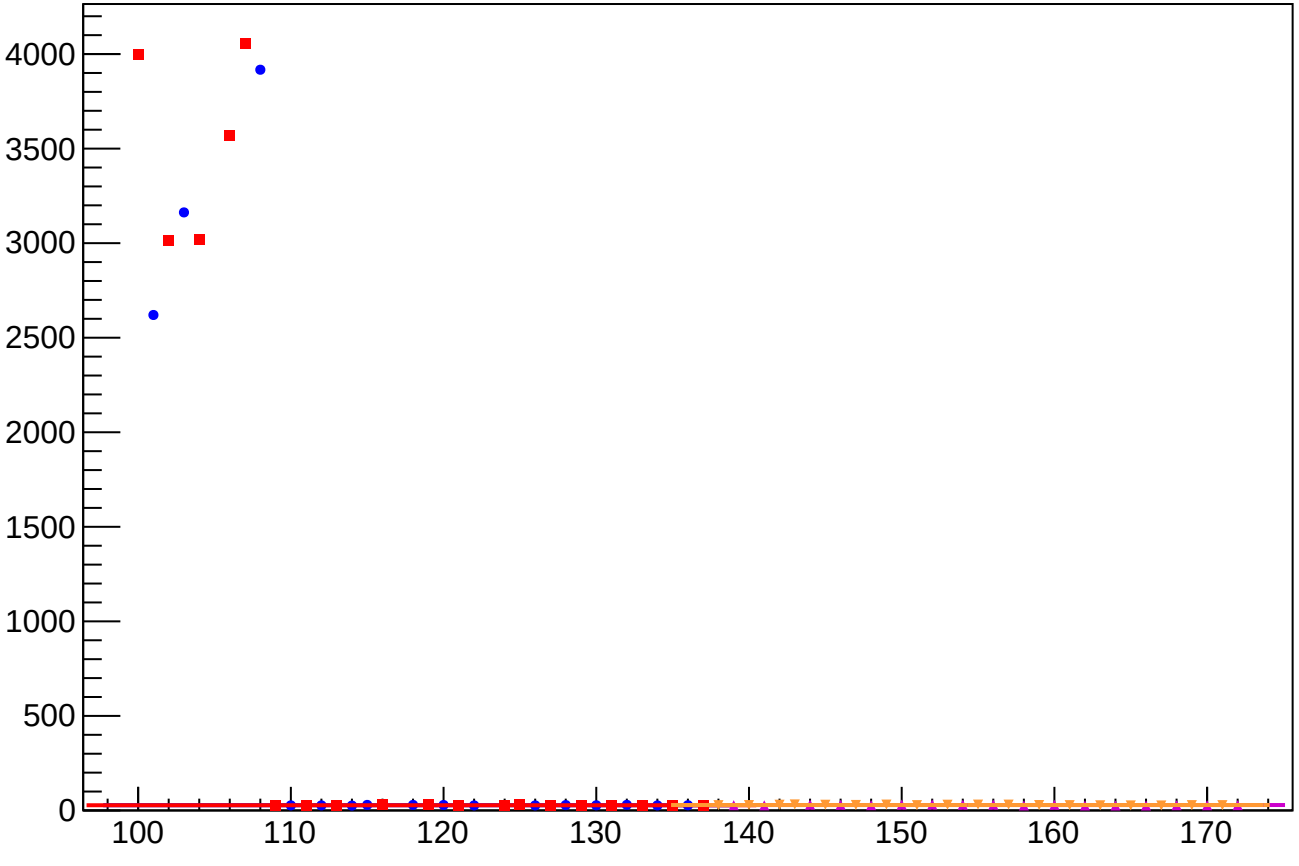
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 7.834+/-6.425 χ^2/NDF:32.5/32

Out: -4.793+/-6.410 χ^2/NDF:47.9/36

All: 1.506+/-4.538 χ^2/NDF: 82.4/69

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: 28.726+/-0.005 χ^2/NDF:82341.6/17

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: 28.714+/-0.004 χ^2/NDF: 192787.5/34

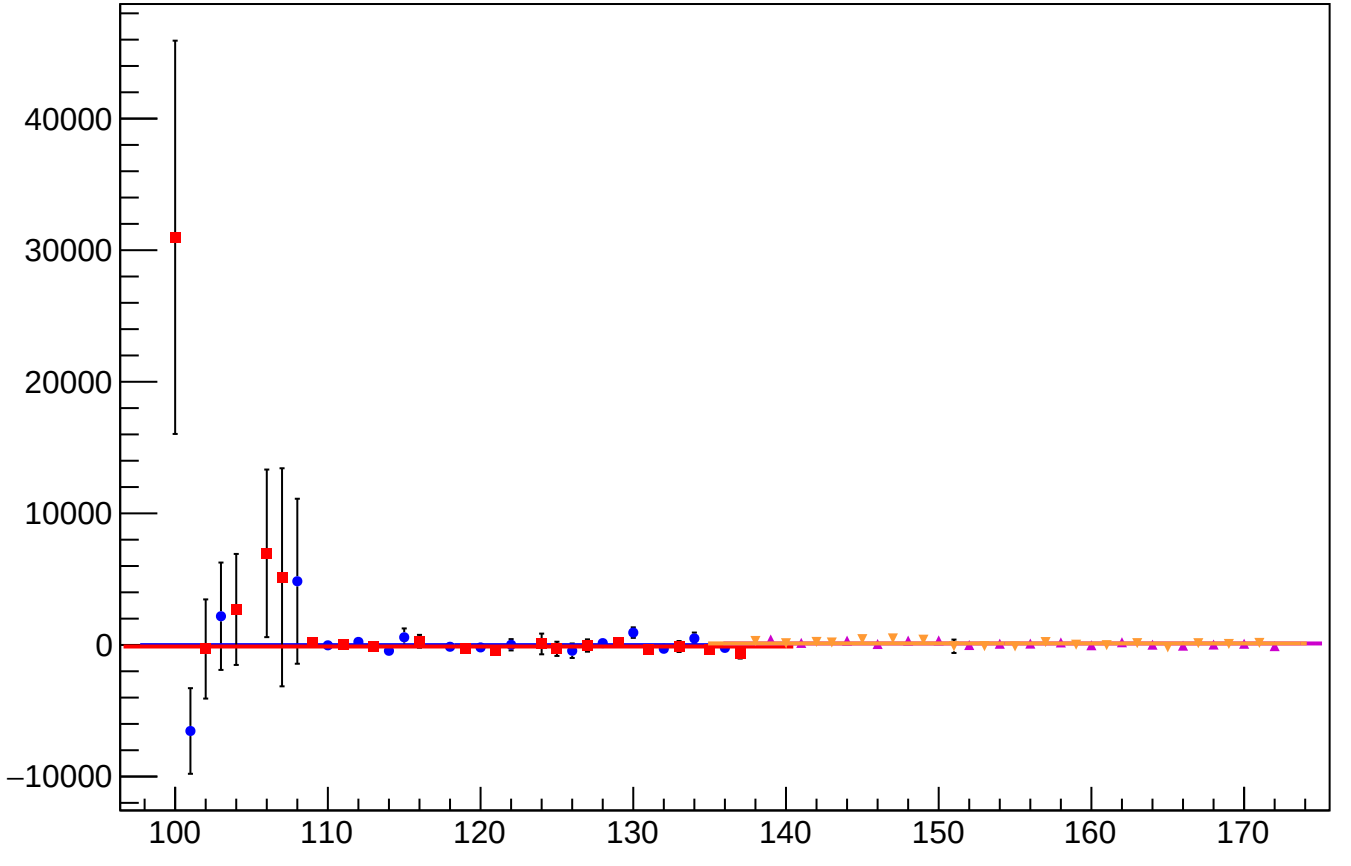
Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.381+/-0.005 χ^2/NDF:3387403.9/32

Out: 28.375+/-0.005 χ^2/NDF:3651944.9/36

All: 28.378+/-0.003 χ^2/NDF: 7039349.6/69

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 117.894+/-59.431 χ^2/NDF:7.9/17

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: 115.158+/-39.021 χ^2/NDF: 14.4/34

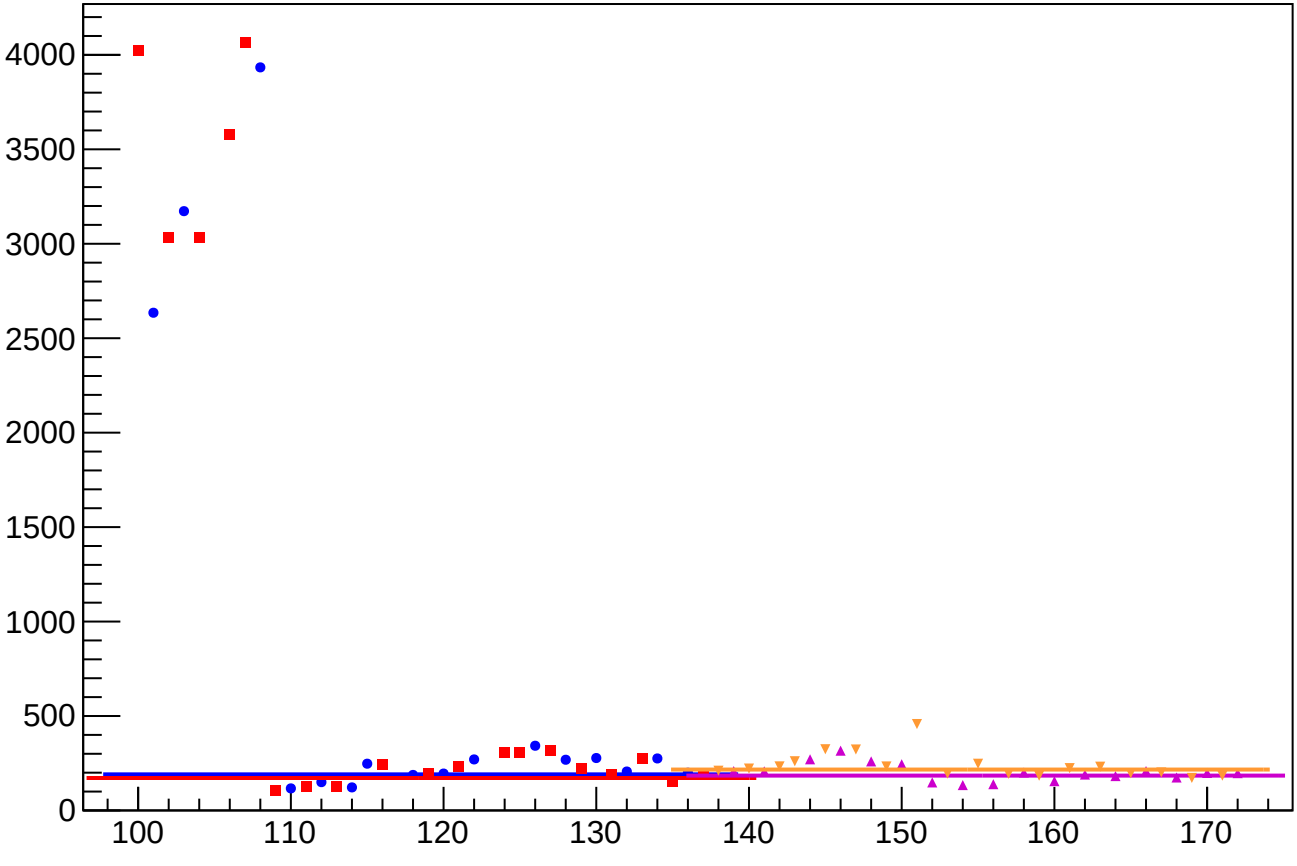
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 78.637+/-44.115 χ^2/NDF:26.4/32

Out: 31.031+/-47.242 χ^2/NDF:28.1/36

All: 56.462+/-32.243 χ^2/NDF: 55.1/69

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: 216.541+/-0.042 χ^2/NDF:1163637.4/17

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: 198.323+/-0.028 χ^2/NDF: 2830957.0/34

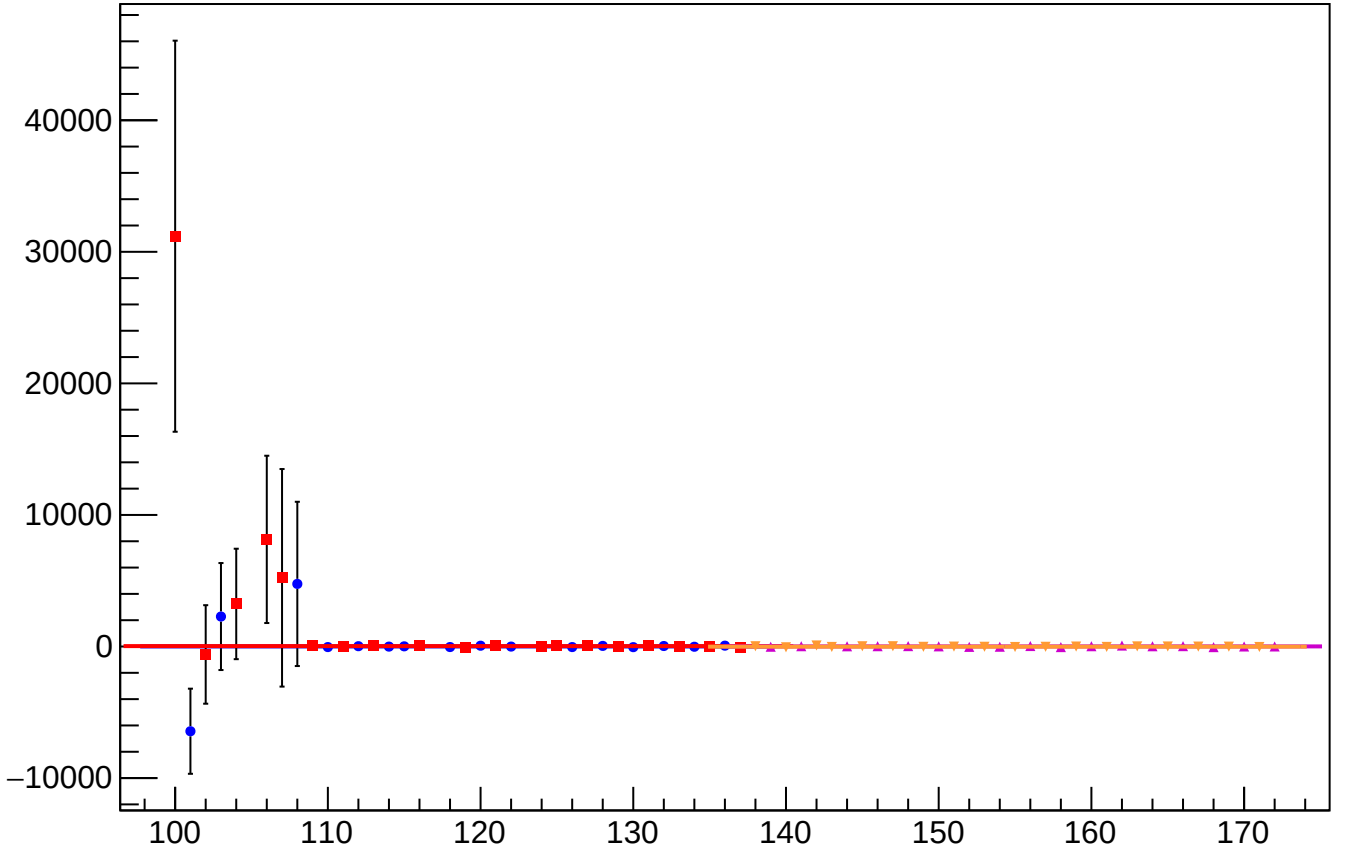
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 186.306+/-0.031 χ^2/NDF:5179687.0/32

Out: 200.083+/-0.033 χ^2/NDF:5894967.3/36

All: 192.724+/-0.023 χ^2/NDF: 11165521.0/69

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: -10.334+/-7.685 χ^2/NDF:12.0/17

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: -1.062+/-5.452 χ^2/NDF: 30.9/34

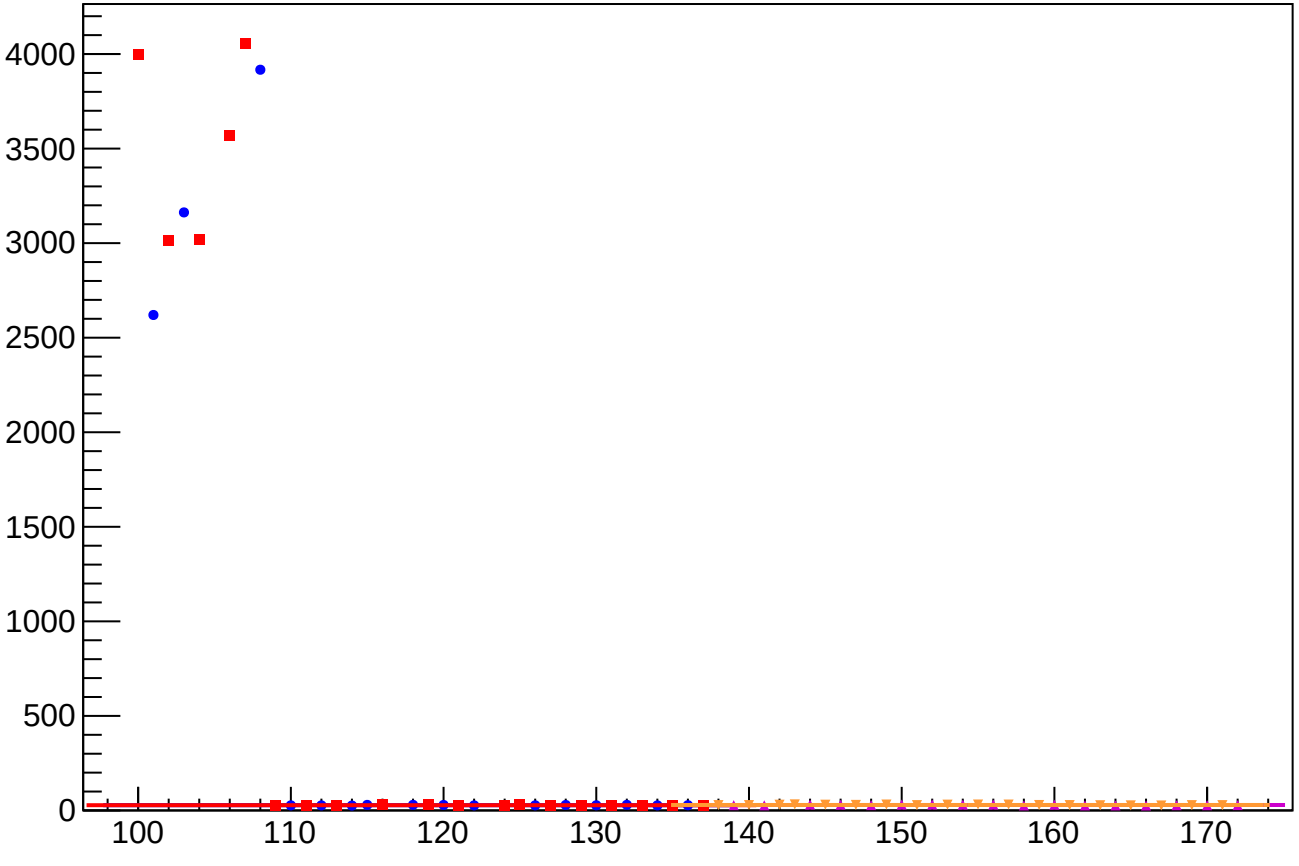
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 7.779+/-6.464 χ^2/NDF:34.3/32

Out: 1.817+/-6.456 χ^2/NDF:40.4/36

All: 4.795+/-4.568 χ^2/NDF: 75.1/69

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: 28.918+/-0.005 χ^2/NDF:88550.7/17

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: 28.896+/-0.004 χ^2/NDF: 200396.0/34

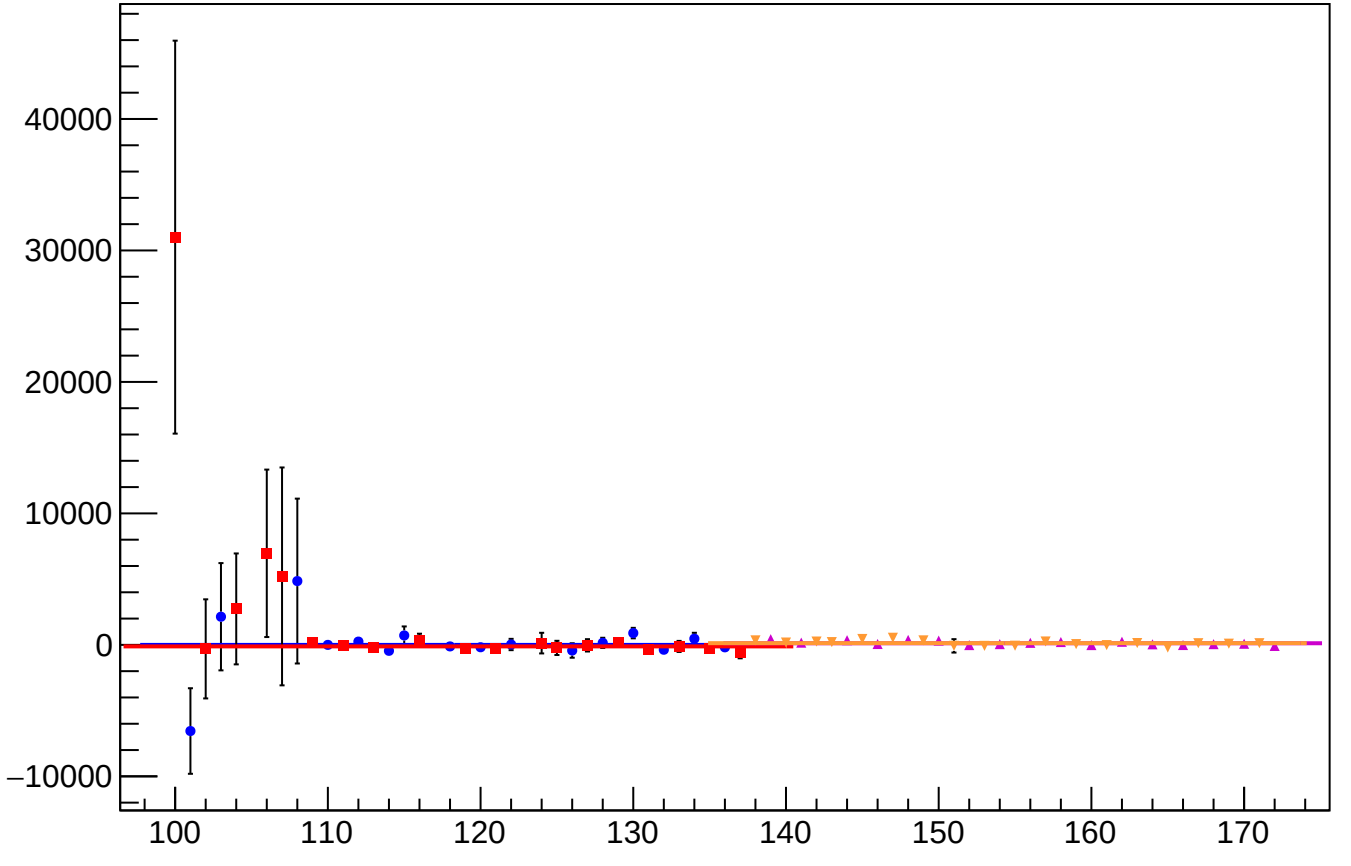
Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.557+/-0.005 χ^2/NDF:3388798.4/32

Out: 28.575+/-0.005 χ^2/NDF:3660739.4/36

All: 28.566+/-0.003 χ^2/NDF: 7049546.1/69

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 130.136+/-60.035 χ^2/NDF:7.8/17

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: 126.312+/-39.462 χ^2/NDF: 14.7/34

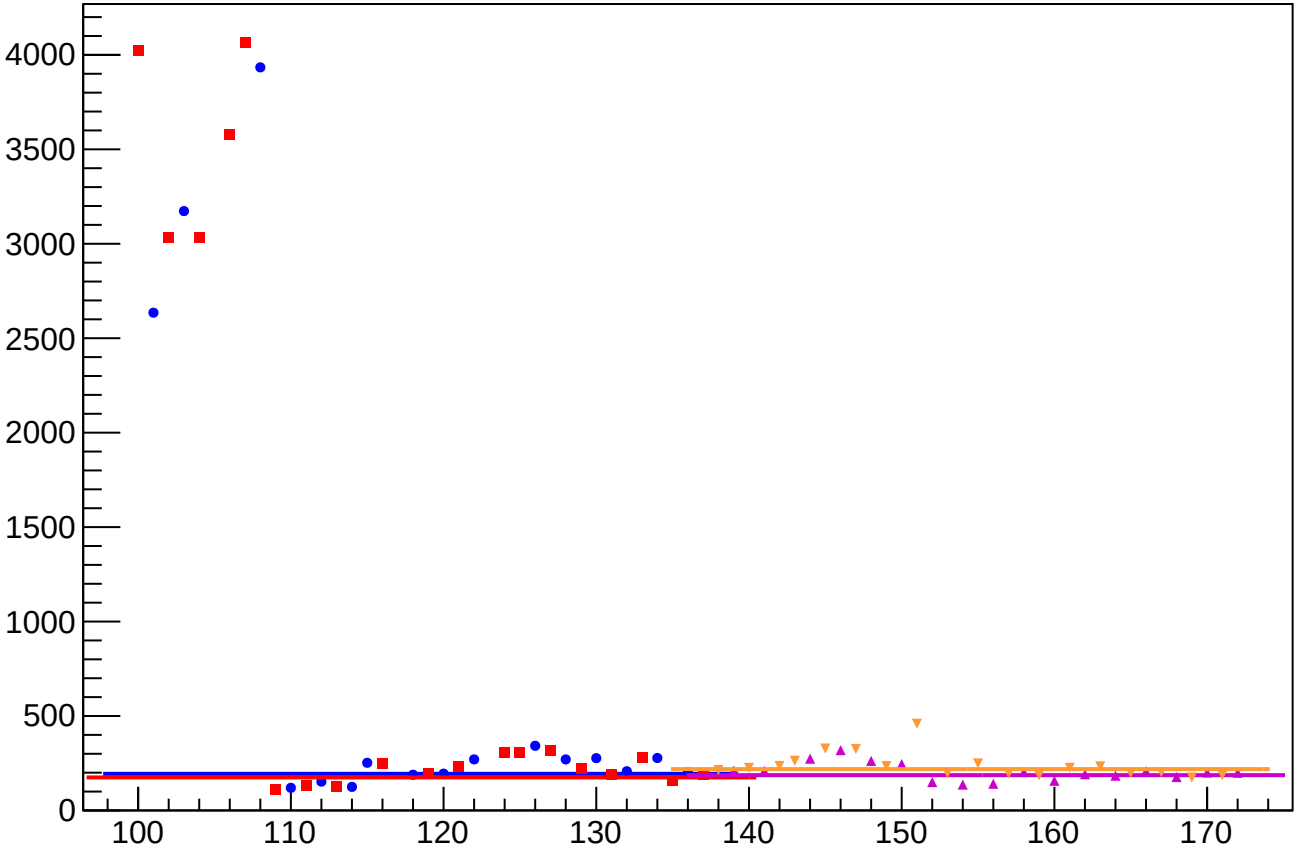
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 88.986+/-44.655 χ^2/NDF:26.7/32

Out: 40.050+/-47.789 χ^2/NDF:27.7/36

All: 66.175+/-32.627 χ^2/NDF: 55.0/69

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 218.845+/-0.042 χ^2/NDF:1150990.0/17

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: 200.714+/-0.028 χ^2/NDF: 2780611.1/34

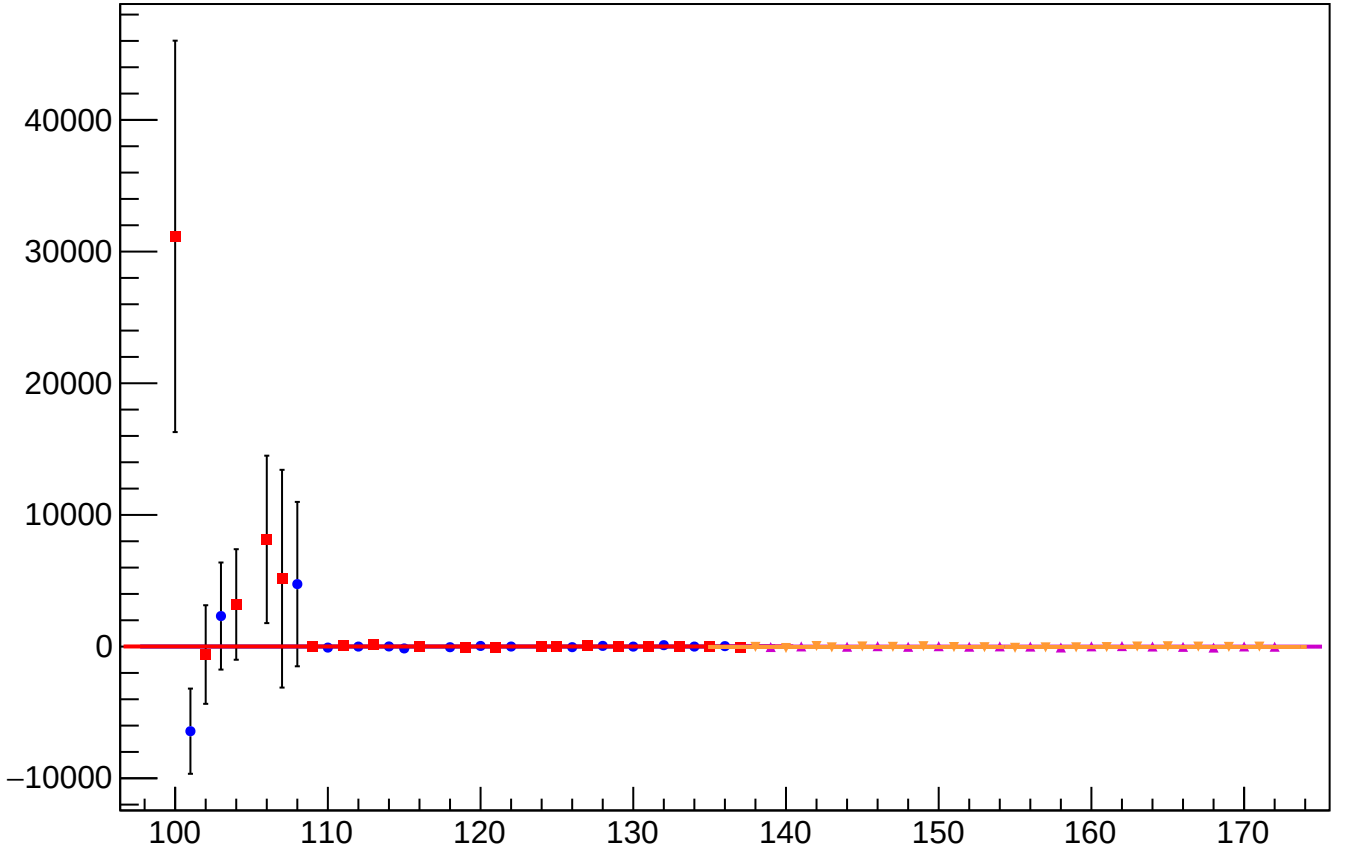
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 188.837+/-0.032 χ^2/NDF:5102703.2/32

Out: 202.701+/-0.034 χ^2/NDF:5805080.0/36

All: 195.299+/-0.023 χ^2/NDF: 10997651.9/69

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: -27.650+/-9.148 χ^2/NDF:17.4/17

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: -15.140+/-6.500 χ^2/NDF: 33.1/34

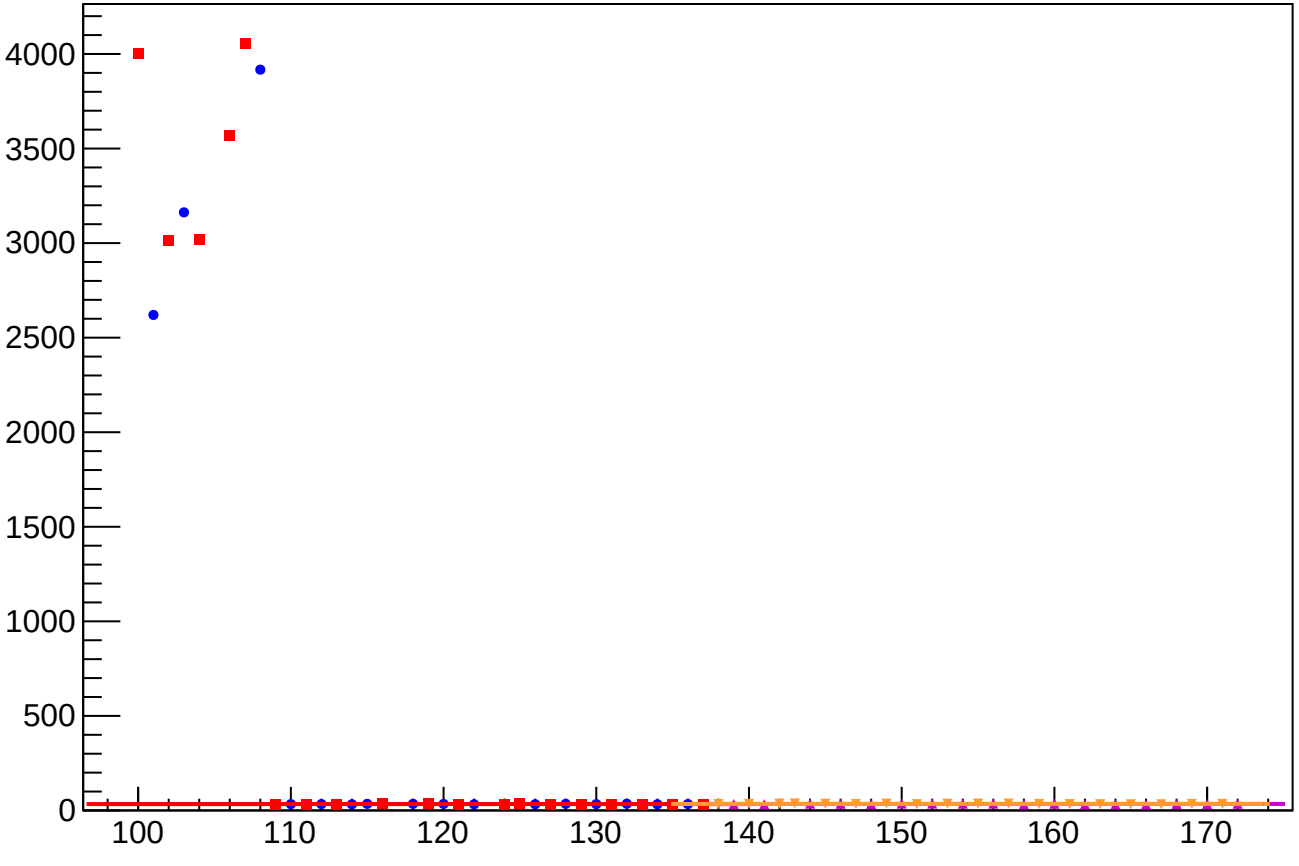
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: -0.018+/-7.760 χ^2/NDF:29.6/32

Out: -16.859+/-7.726 χ^2/NDF:45.7/36

All: -8.475+/-5.475 χ^2/NDF: 77.6/69

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: 34.481+/-0.006 χ^2/NDF:36874.3/17

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: 34.508+/-0.005 χ^2/NDF: 86622.3/34

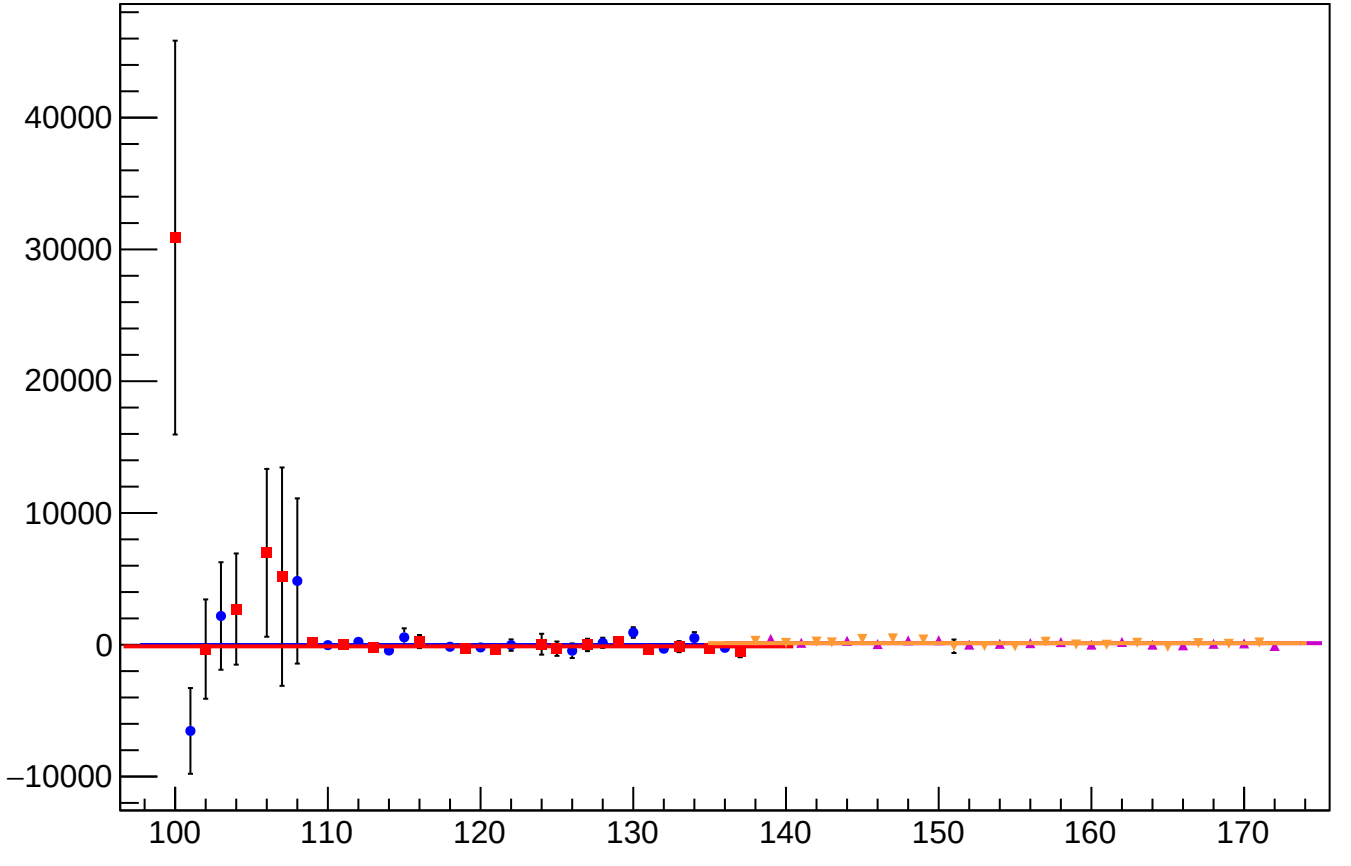
Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.348+/-0.005 χ^2/NDF:3296880.7/32

Out: 34.265+/-0.005 χ^2/NDF:3567240.2/36

All: 34.306+/-0.004 χ^2/NDF: 6864236.9/69

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 122.339+/-59.916 χ^2/NDF:7.6/17

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 122.120+/-52.225 χ^2/NDF:6.3/16

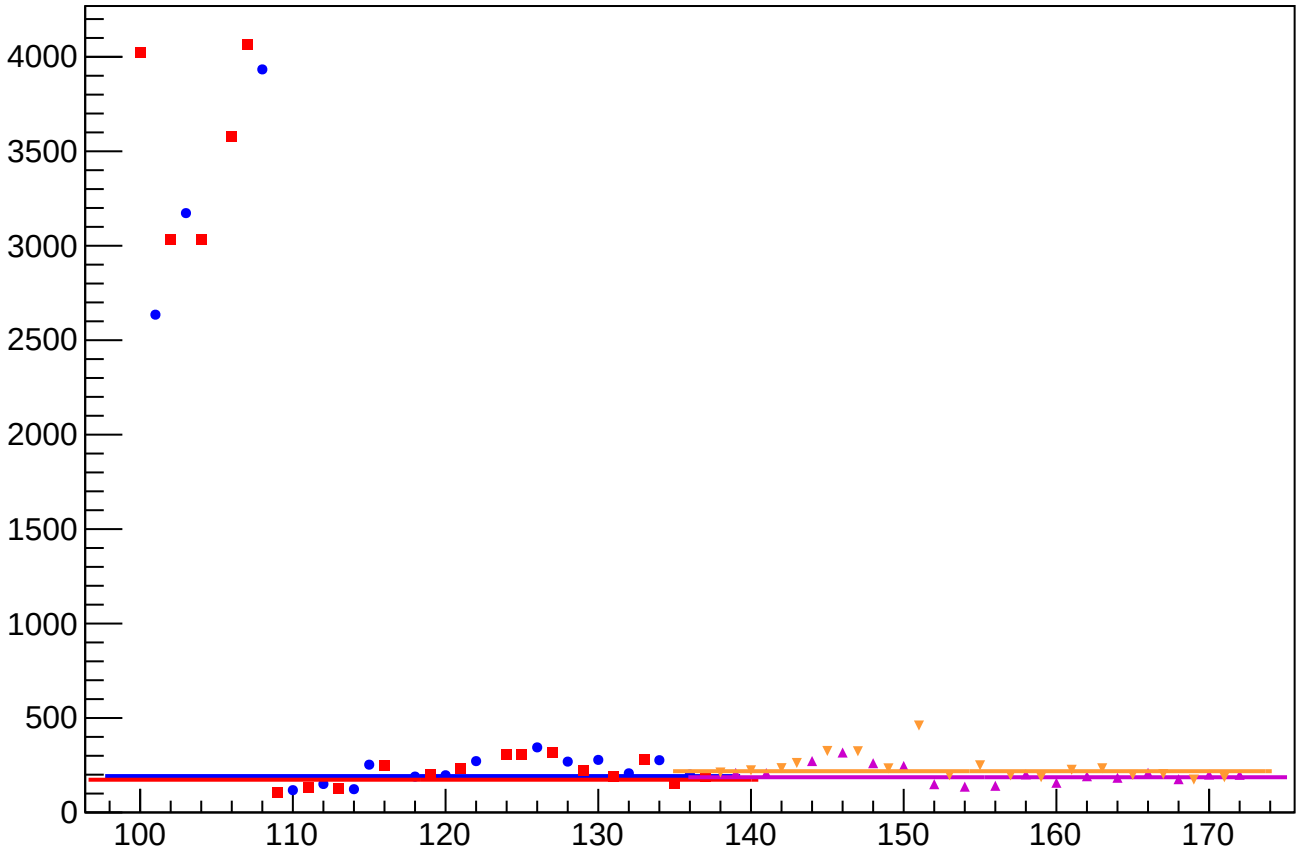
Left: 122.214+/-39.369 χ^2/NDF: 13.9/34

Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 83.344+/-44.506 χ^2/NDF:26.5/32

Out: 33.095+/-47.618 χ^2/NDF:26.9/36

All: 59.915+/-32.515 χ^2/NDF: 54.0/69



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 218.417+/-0.042 χ^2/NDF:1144125.6/17

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: 200.242+/-0.028 χ^2/NDF: 2764721.4/34

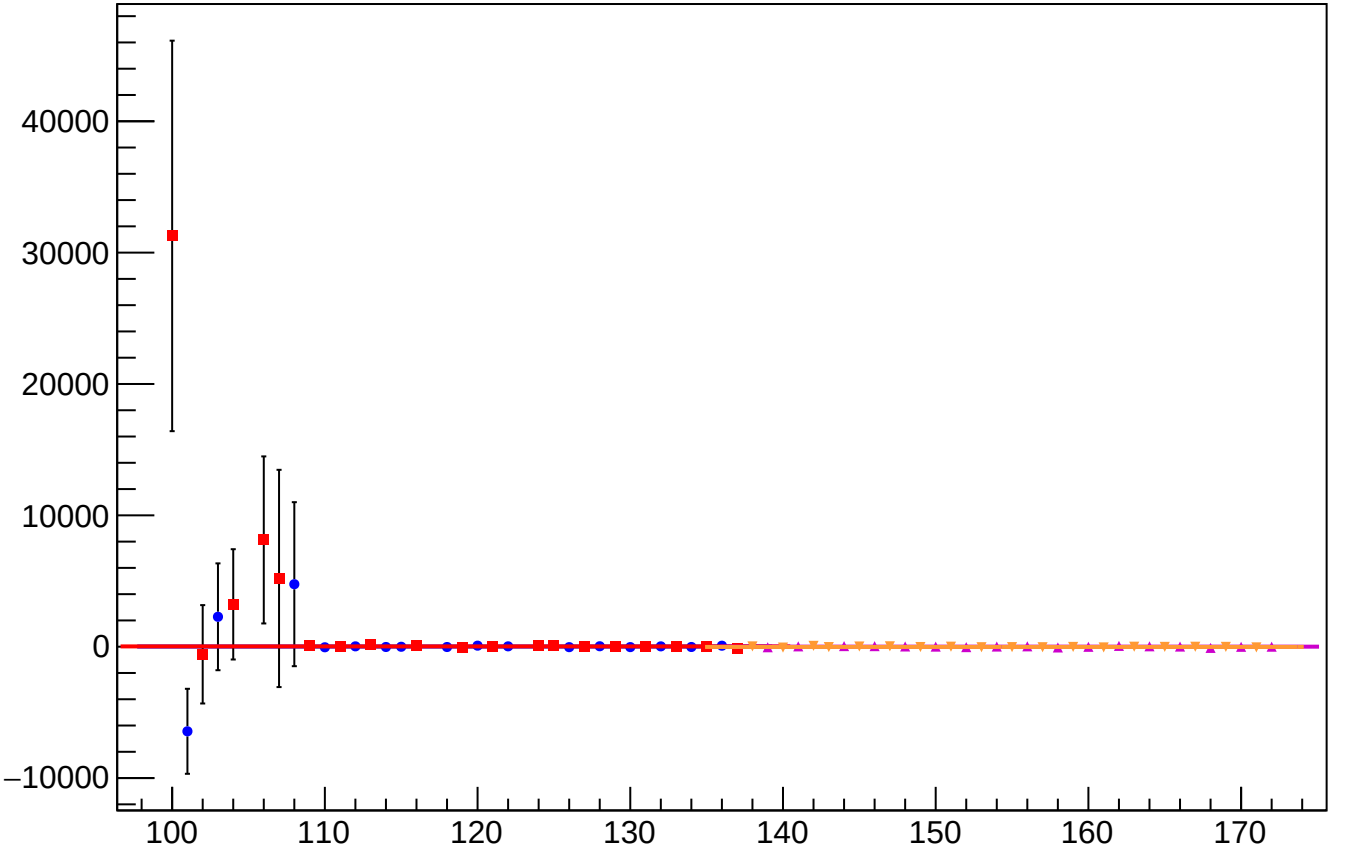
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 188.111+/-0.031 χ^2/NDF:5127098.6/32

Out: 201.778+/-0.034 χ^2/NDF:5870240.7/36

All: 194.483+/-0.023 χ^2/NDF: 11085263.7/69

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: -17.134+/-8.296 χ^2/NDF:12.8/17

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: -7.211+/-5.885 χ^2/NDF: 38.2/34

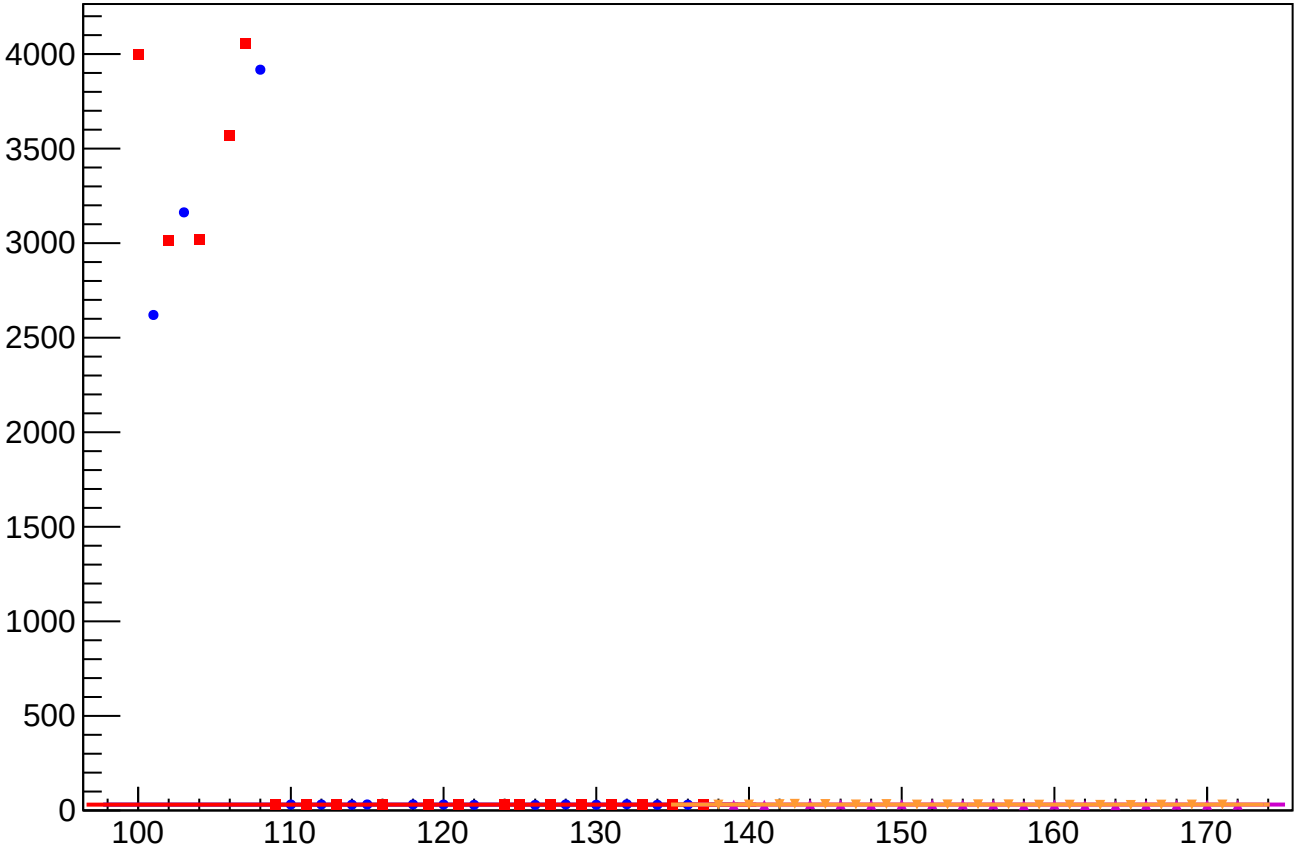
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 5.992+/-7.034 χ^2/NDF:38.5/32

Out: -5.681+/-7.021 χ^2/NDF:48.2/36

All: 0.145+/-4.969 χ^2/NDF: 88.1/69

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: 31.243+/-0.006 χ^2/NDF:58547.1/17

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: 31.210+/-0.004 χ^2/NDF: 135787.9/34

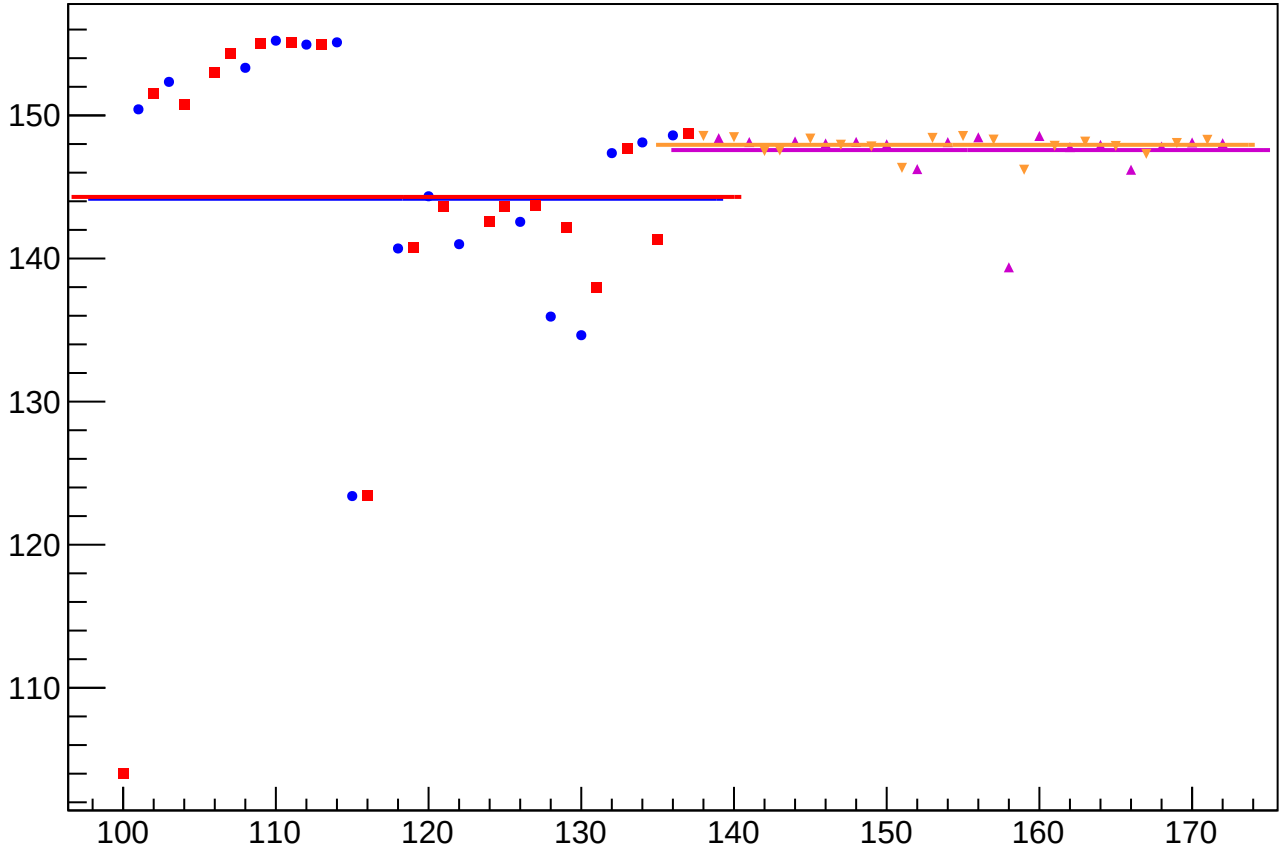
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.104+/-0.005 χ^2/NDF:3330291.7/32

Out: 31.111+/-0.005 χ^2/NDF:3596576.3/36

All: 31.108+/-0.004 χ^2/NDF: 6926869.0/69

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.946+/-0.000 χ^2/NDF:34225977.2/17

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: 147.768+/-0.000 χ^2/NDF: 329523605.6/34

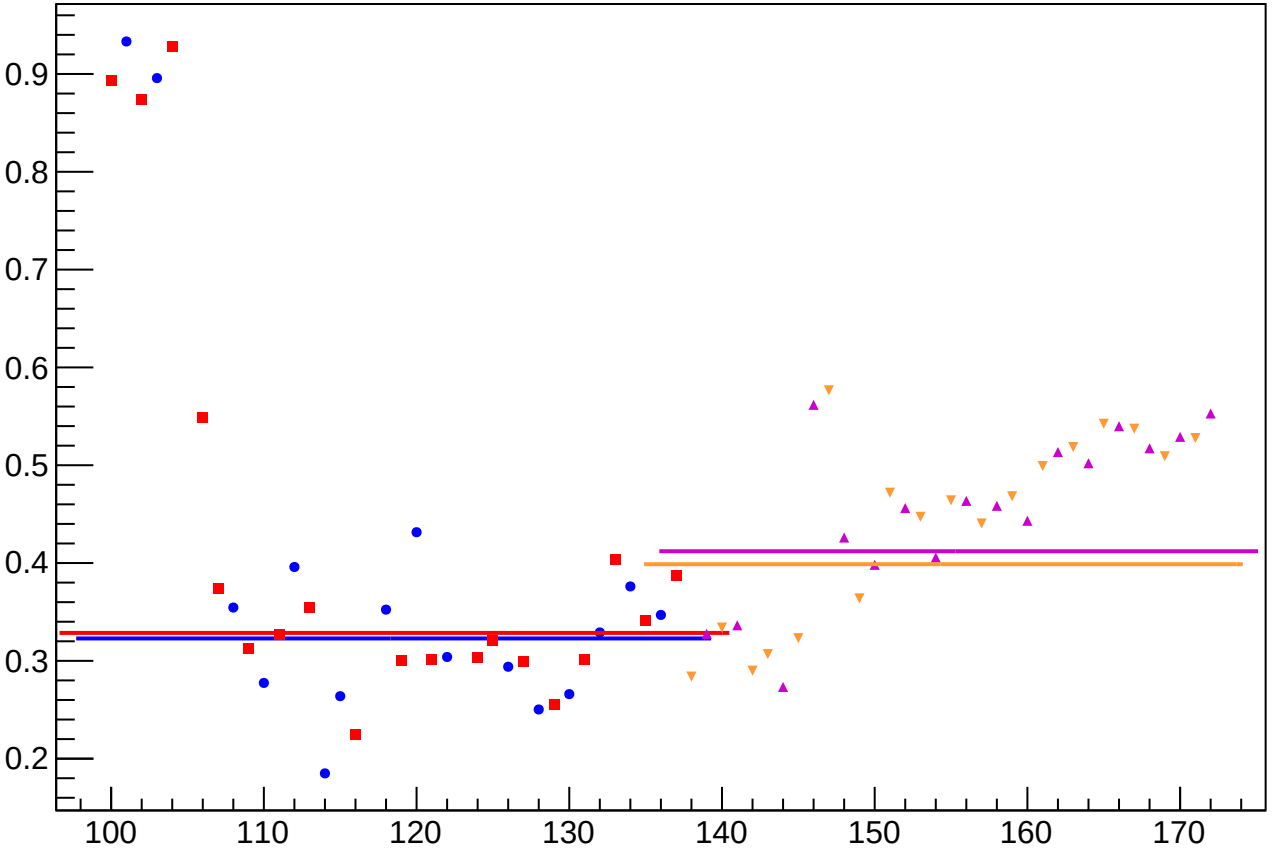
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.117+/-0.000 χ^2/NDF:4391484452.2/32

Out: 146.456+/-0.000 χ^2/NDF:4741048103.0/36

All: 146.290+/-0.000 χ^2/NDF: 9140310308.1

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.399+/-0.000 χ^2/NDF:1459441.9/17

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.412+/-0.000 χ^2/NDF:1239544.3/16

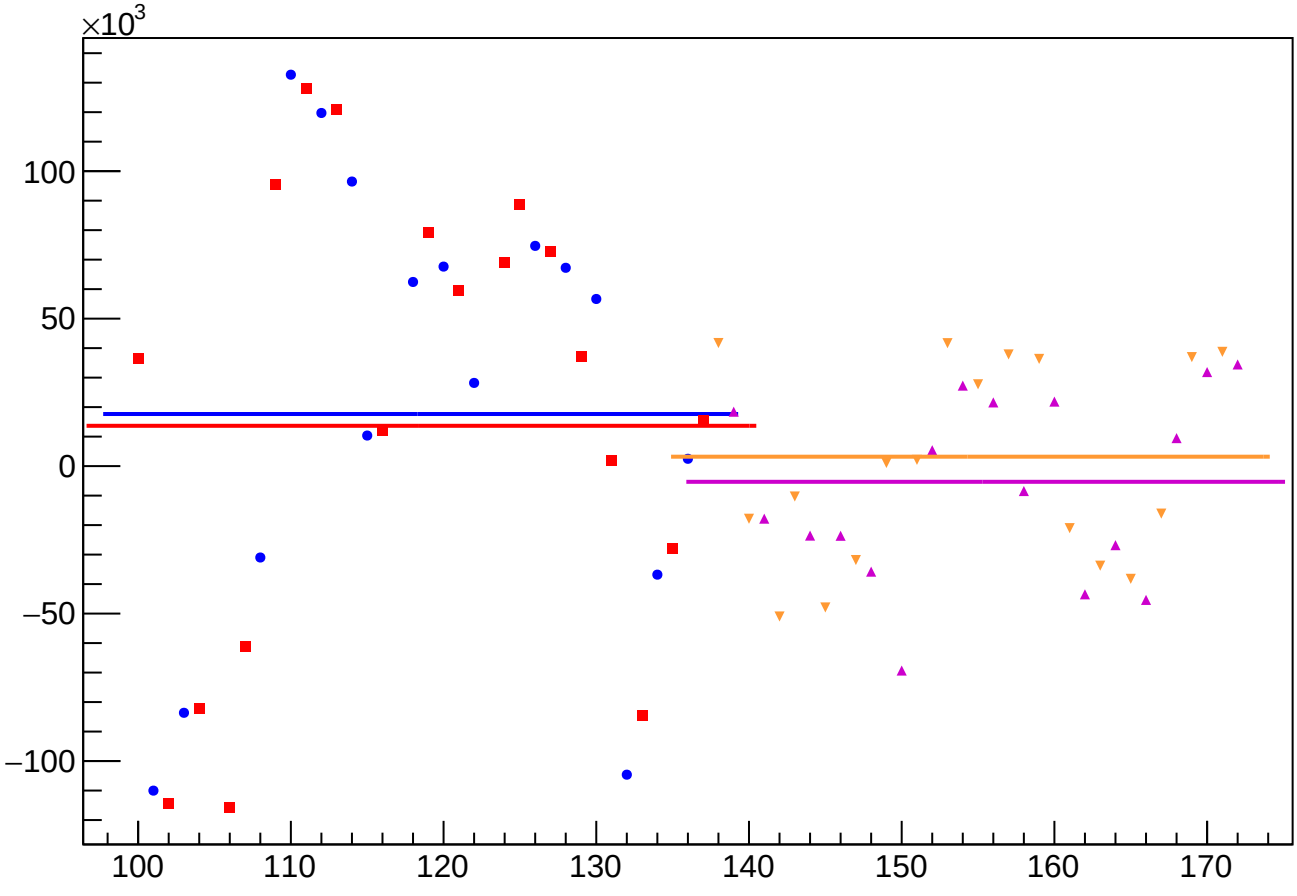
Left: 0.405+/-0.000 χ^2/NDF: 2712807.3/34

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

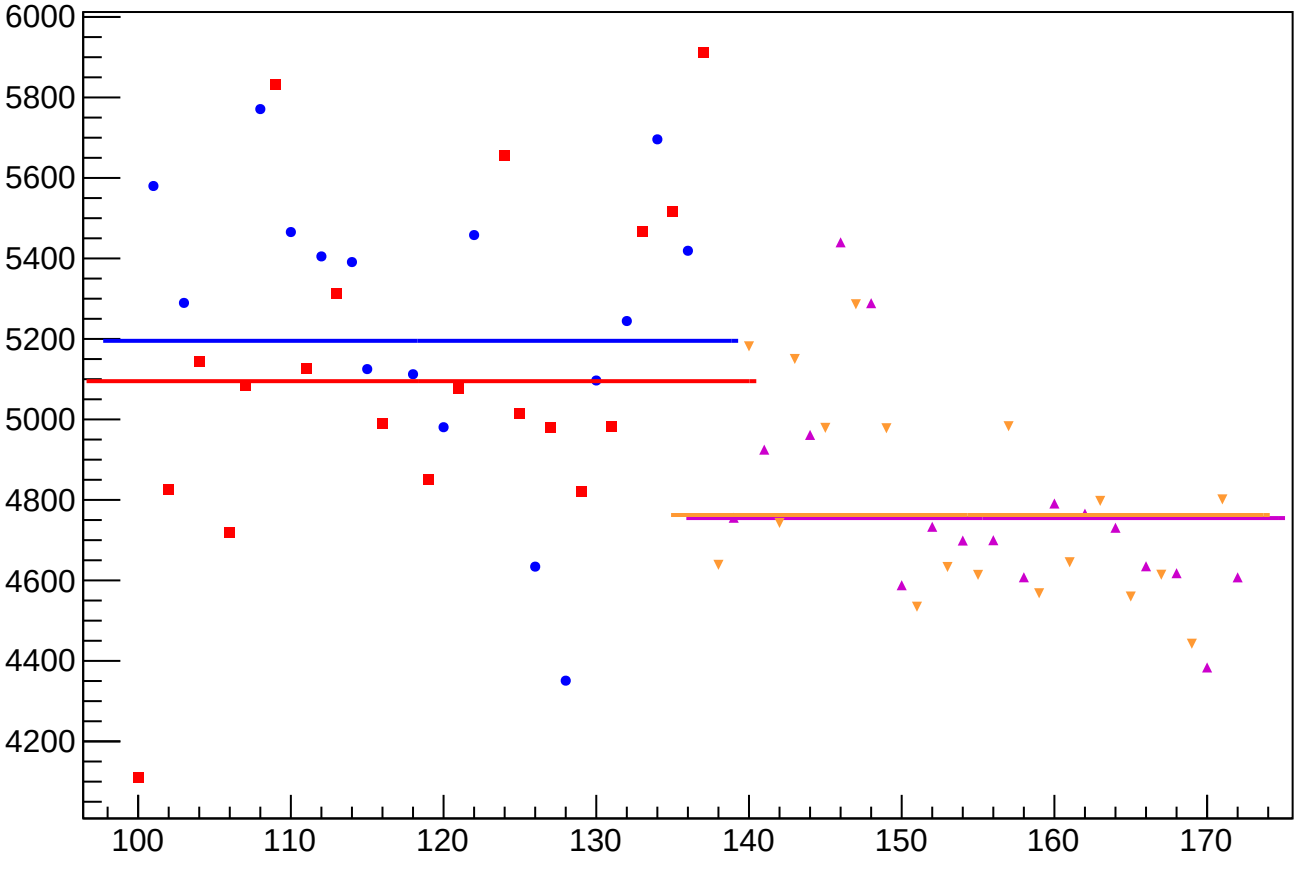
In: 0.374+/-0.000 χ^2/NDF:3153475.0/32

Out: 0.370+/-0.000 χ^2/NDF:3092757.6/36

All: 0.372+/-0.000 χ^2/NDF: 6248089.2/69


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: 3193.200+/-1.292 χ²/NDF:619966509.8/17
Right Out: 13666.312+/-1.925 χ²/NDF: 1856962869.6/18
Left In: -5323.575+/-1.301 χ²/NDF:566719679.3/16
Left: -1037.309+/-0.917 χ²/NDF: 1208264891.4/34
Right: 15583.102+/-1.389 χ²/NDF: 3257769505.5/3
In: 1482.379+/-1.091 χ²/NDF:2057938693.0/32
Out: 6446.605+/-1.073 χ²/NDF:2497336018.9/36
All: 4006.694+/-0.765 χ²/NDF: 4565797703.

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4762.511+/-0.914 χ^2/NDF:66927.6/17

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4754.883+/-0.920 χ^2/NDF:65883.4/16

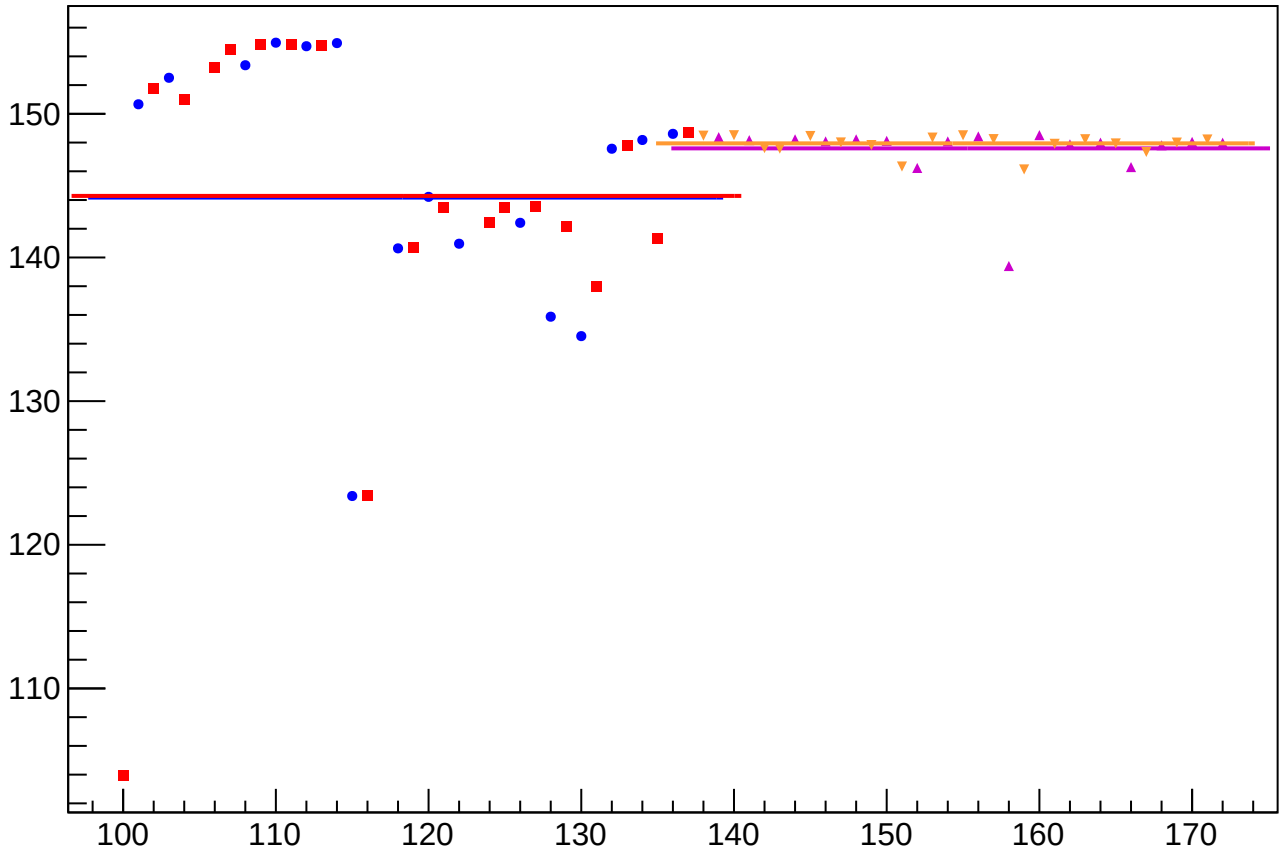
Left: 4758.722+/-0.648 χ^2/NDF: 132845.6/34

Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 4885.278+/-0.772 χ^2/NDF:210942.7/32

Out: 4865.811+/-0.759 χ^2/NDF:167185.6/36

All: 4875.379+/-0.541 χ^2/NDF: 378451.9/69



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.944+/-0.000 χ^2/NDF:34018240.0/17

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: 329178118.0/34

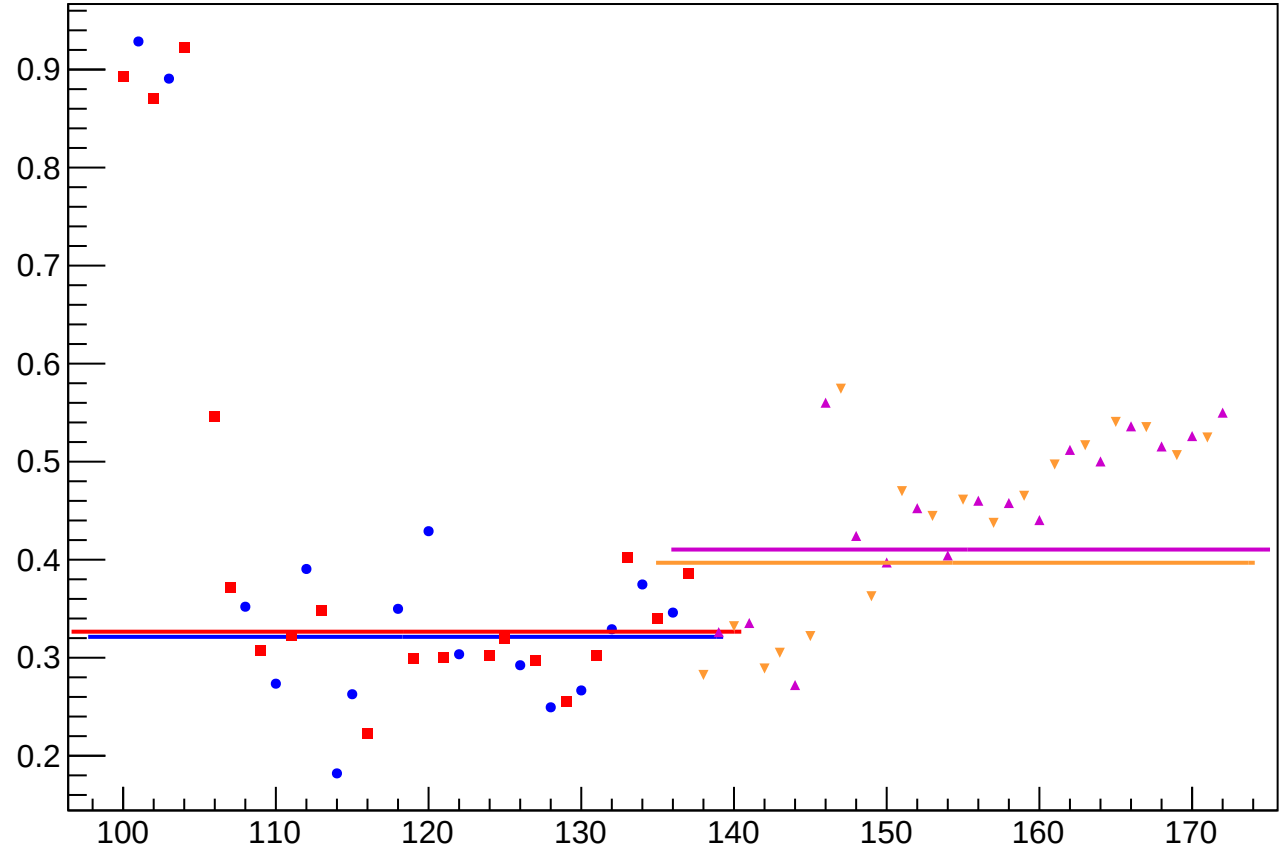
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 146.124+/-0.000 χ^2/NDF:4440346962.6/32

Out: 146.446+/-0.000 χ^2/NDF:4775549566.0/36

All: 146.288+/-0.000 χ^2/NDF: 9222989306.7

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.397+/-0.000 χ^2/NDF:1459659.3/17

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.410+/-0.000 χ^2/NDF:1236058.5/16

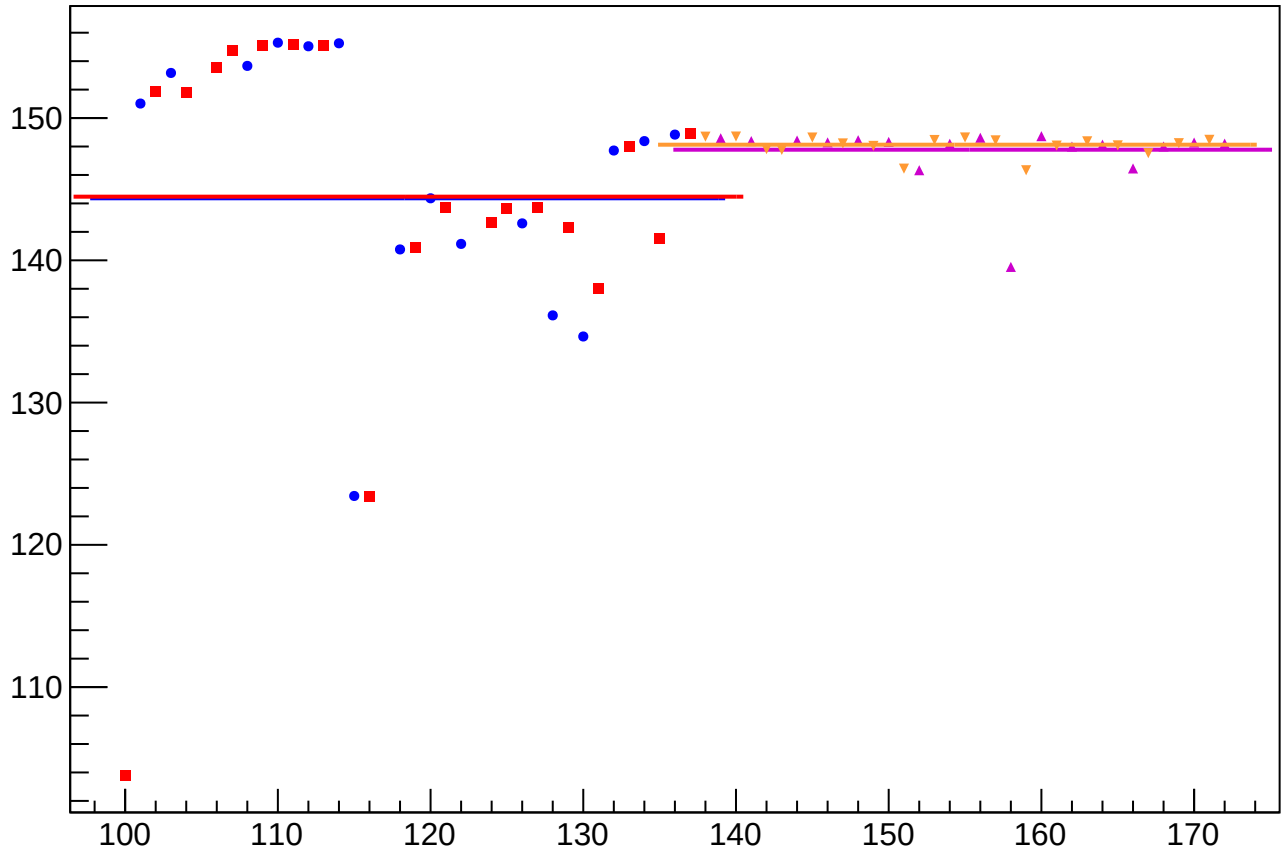
Left: 0.403+/-0.000 χ^2/NDF: 2710108.3/34

Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.372+/-0.000 χ^2/NDF:3153640.8/32

Out: 0.368+/-0.000 χ^2/NDF:3095959.3/36

All: 0.370+/-0.000 χ^2/NDF: 6251787.4/69



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.128+/-0.000 χ^2/NDF:34127973.1/17

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: 333802124.3/34

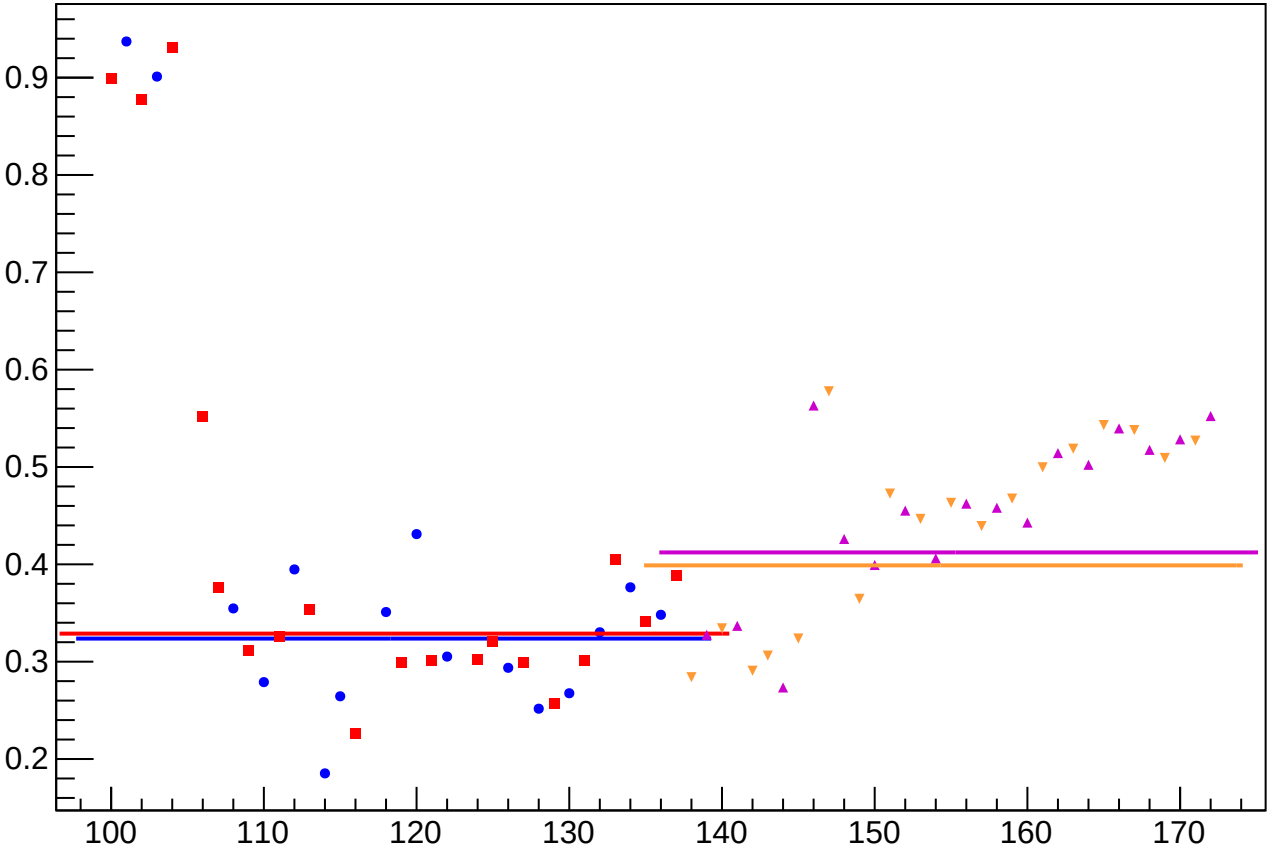
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.312+/-0.000 χ^2/NDF:4432005817.7/32

Out: 146.634+/-0.000 χ^2/NDF:4760769454.0/36

All: 146.476+/-0.000 χ^2/NDF: 9199780099.3

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.399+/-0.000 χ^2/NDF:1457093.4/17

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: 0.405+/-0.000 χ^2/NDF: 2705870.0/34

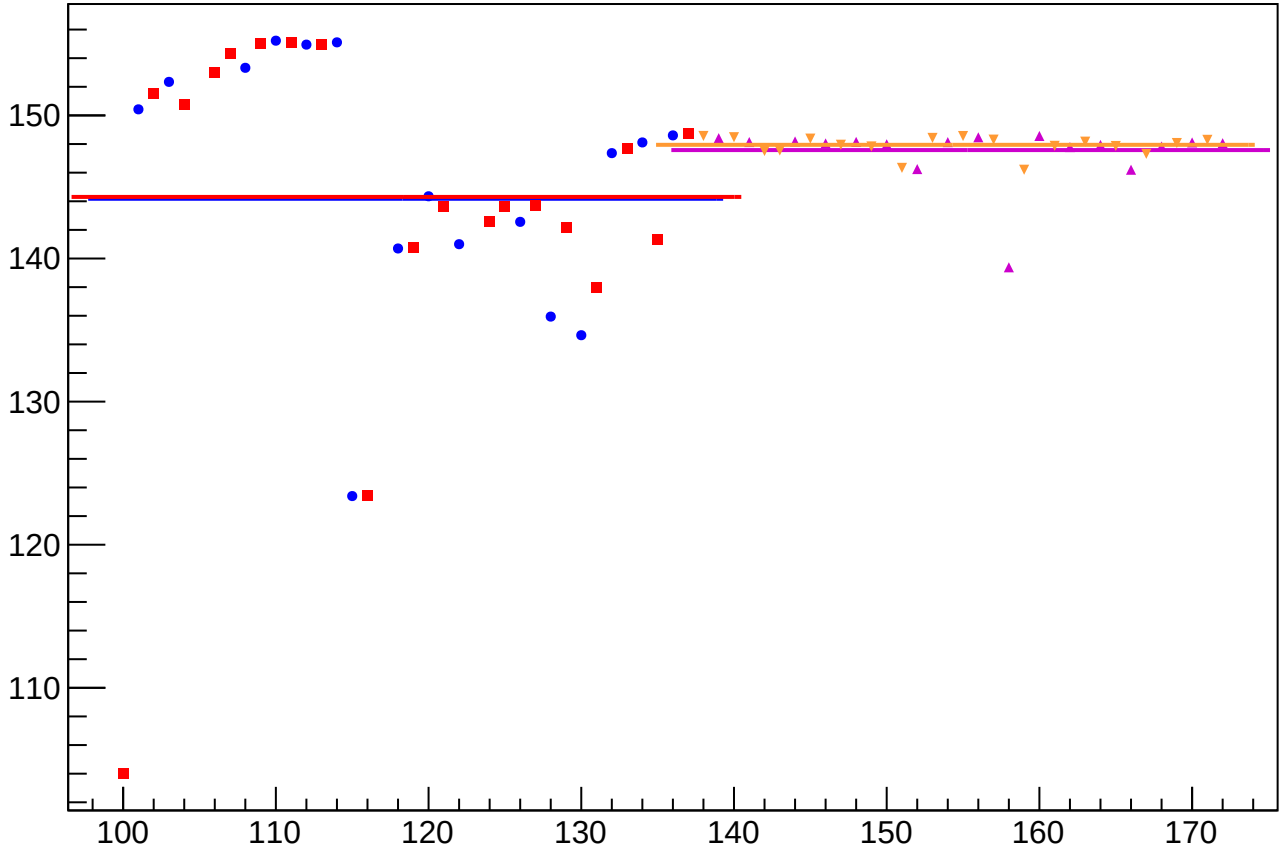
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.374+/-0.000 χ^2/NDF:3136188.1/32

Out: 0.370+/-0.000 χ^2/NDF:3087917.0/36

All: 0.372+/-0.000 χ^2/NDF: 6226311.4/69

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.946+/-0.000 χ^2/NDF:34225977.2/17

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: 147.768+/-0.000 χ^2/NDF: 329523605.6/34

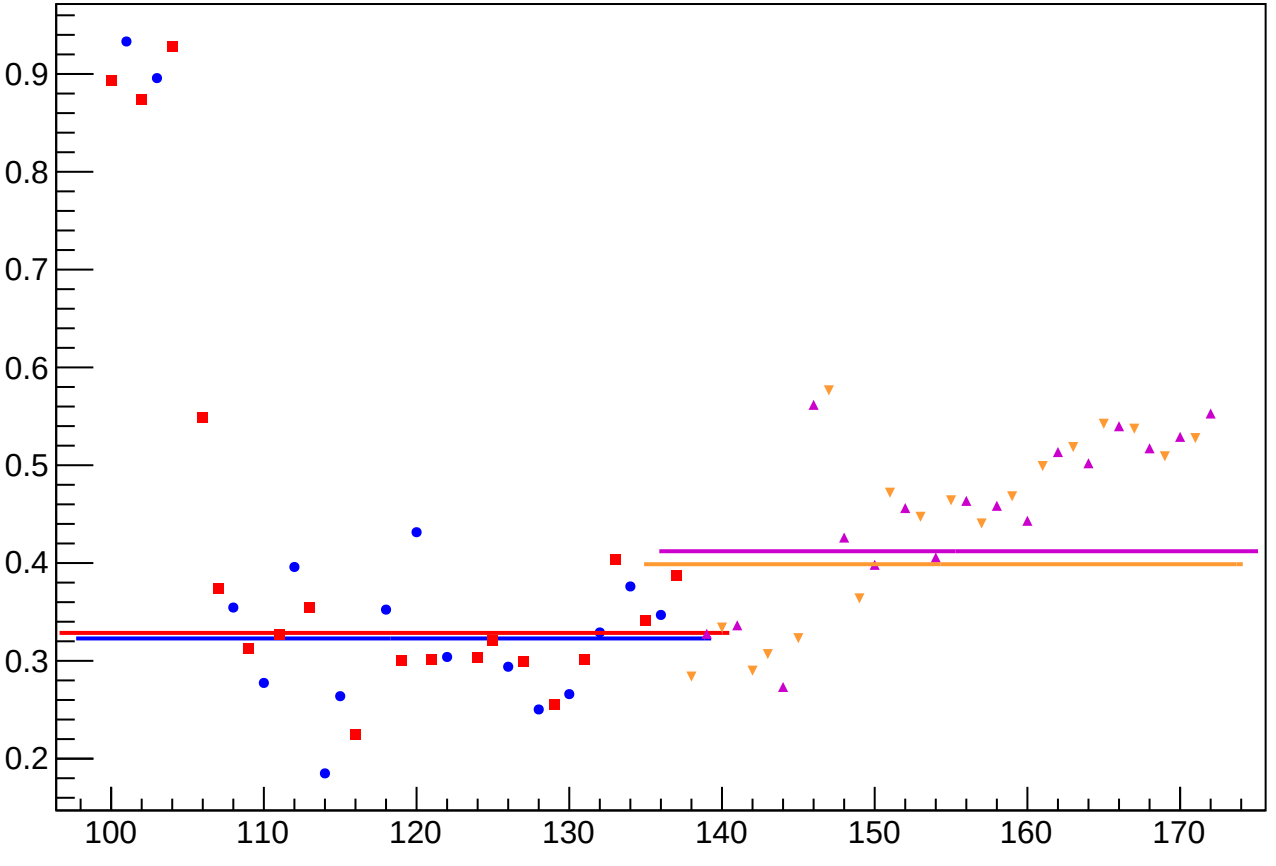
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.117+/-0.000 χ^2/NDF:4391484452.2/32

Out: 146.456+/-0.000 χ^2/NDF:4741048103.0/36

All: 146.290+/-0.000 χ^2/NDF: 9140310308.1

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.399+/-0.000 χ^2/NDF:1459441.9/17

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.412+/-0.000 χ^2/NDF:1239544.3/16

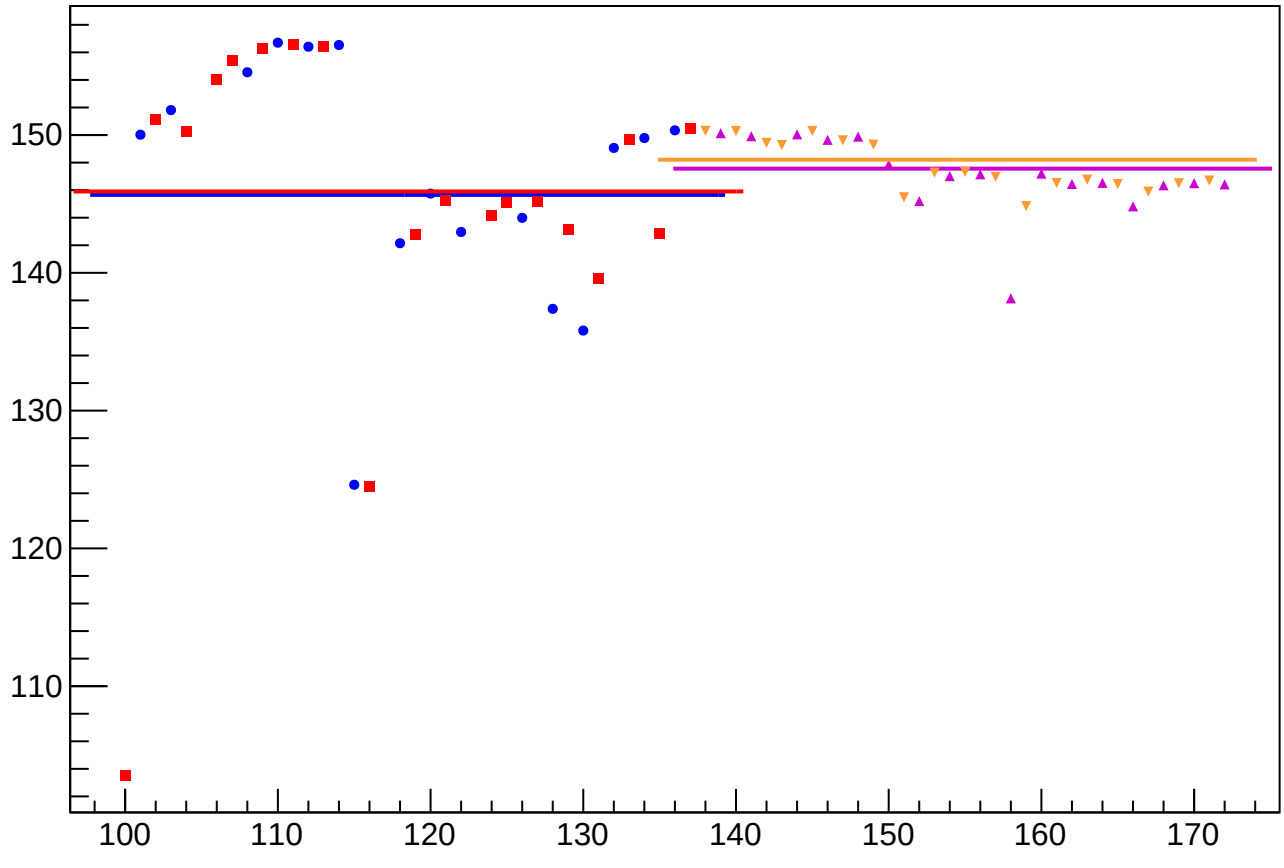
Left: 0.405+/-0.000 χ^2/NDF: 2712807.3/34

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.374+/-0.000 χ^2/NDF:3153475.0/32

Out: 0.370+/-0.000 χ^2/NDF:3092757.6/36

All: 0.372+/-0.000 χ^2/NDF: 6248089.2/69



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 148.210+/-0.000 χ^2/NDF:247908508.8/17

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: 147.895+/-0.000 χ^2/NDF: 822270024.7/34

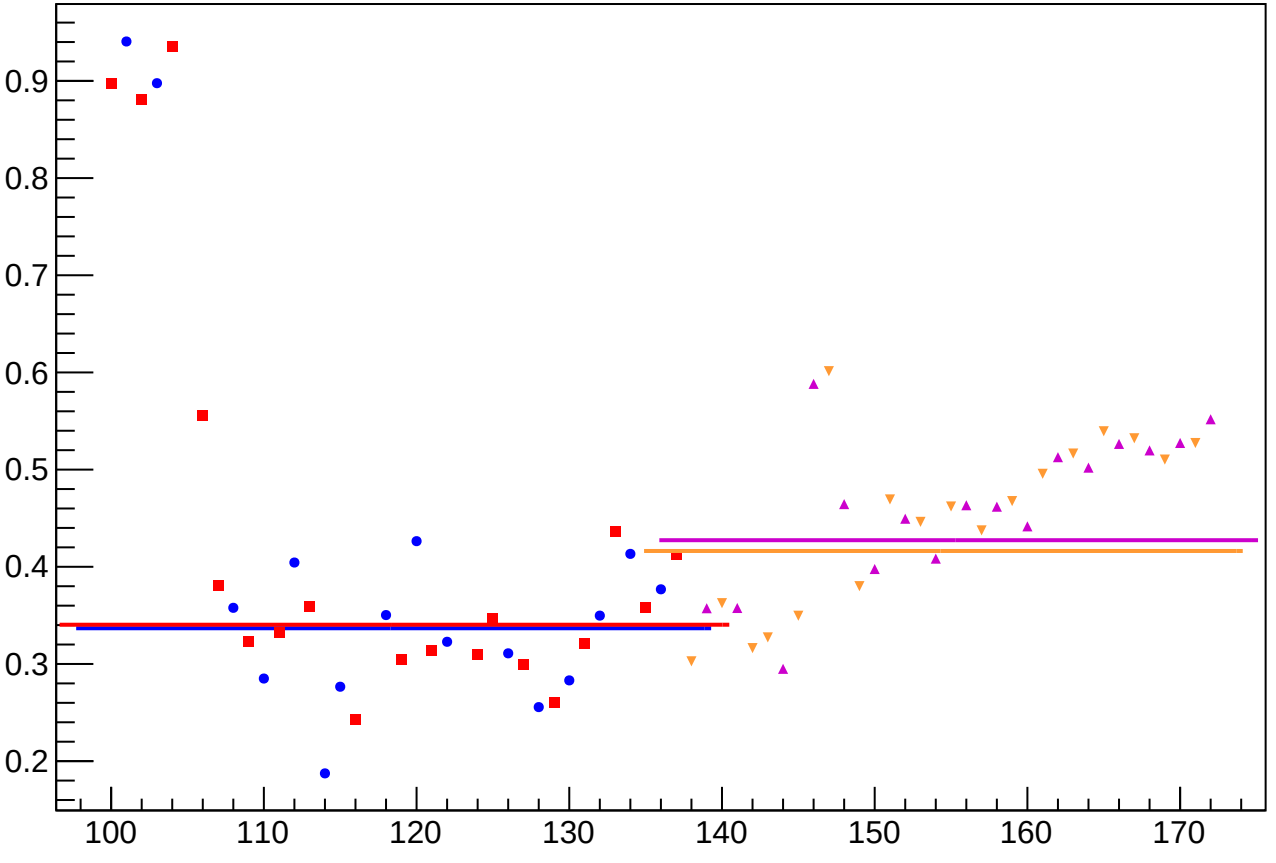
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.754+/-0.000 χ^2/NDF:4150116374.4/32

Out: 147.265+/-0.000 χ^2/NDF:4275771399.0/36

All: 147.014+/-0.000 χ^2/NDF: 8442282569.0

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.416+/-0.000 χ^2/NDF:1086603.2/17

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: 0.422+/-0.000 χ^2/NDF: 2044676.1/34

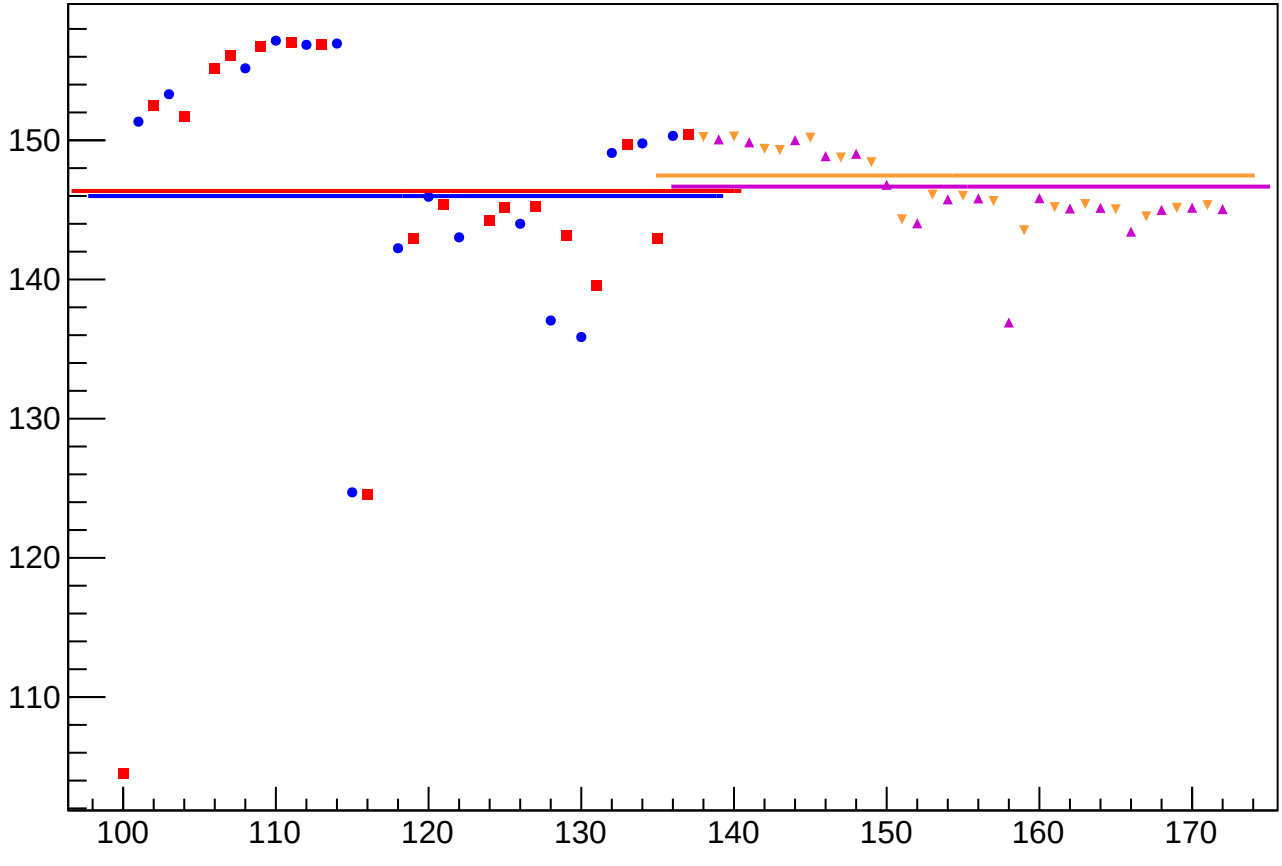
Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.389+/-0.000 χ^2/NDF:2815782.8/32

Out: 0.385+/-0.000 χ^2/NDF:2718656.3/36

All: 0.387+/-0.000 χ^2/NDF: 5536250.3/69

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 147.470+/-0.000 χ^2/NDF:421026170.6/17

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: 147.083+/-0.000 χ^2/NDF: 1187344049.3/34

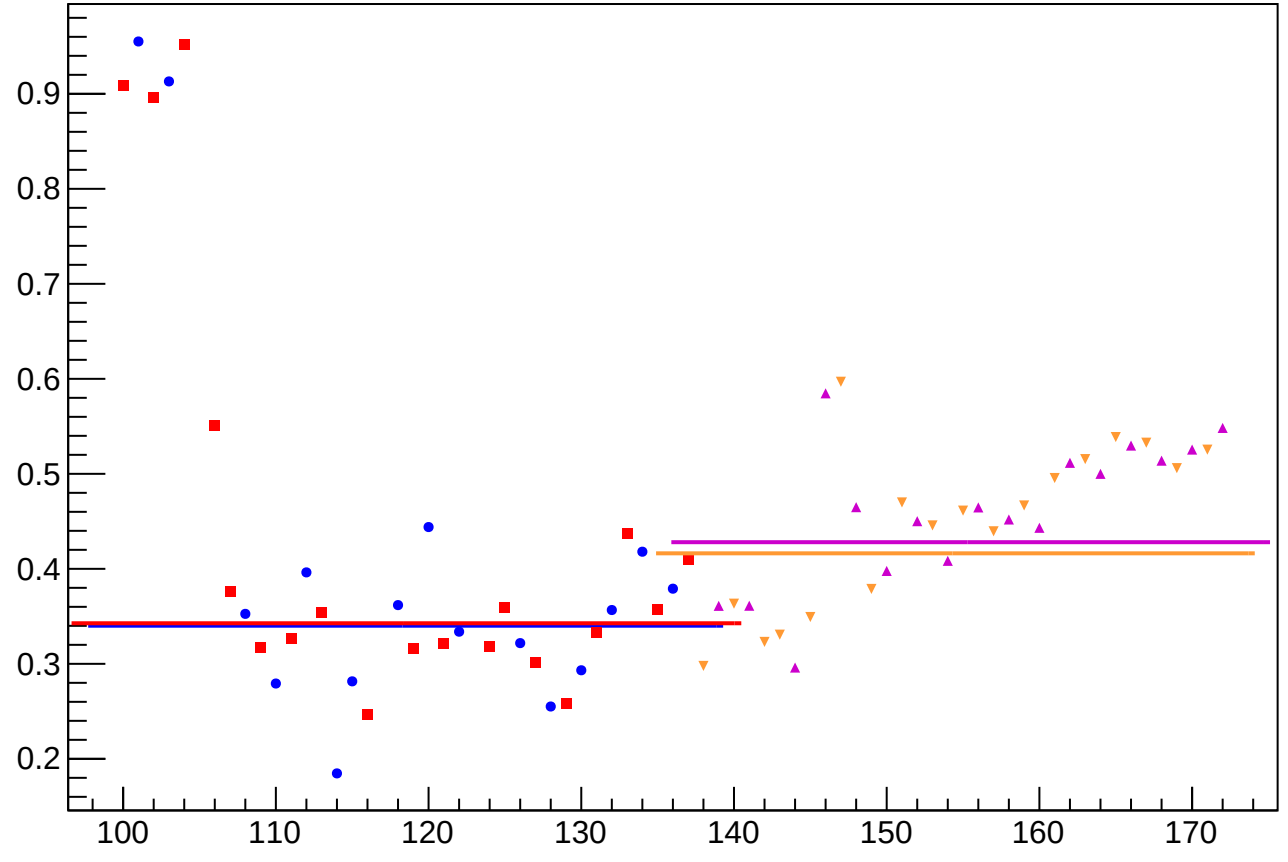
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 146.387+/-0.000 χ^2/NDF:4378311395.4/32

Out: 147.018+/-0.000 χ^2/NDF:4422087377.0/36

All: 146.709+/-0.000 χ^2/NDF: 8825244980.8

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.416+/-0.000 χ^2/NDF:1073733.3/17

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: 0.422+/-0.000 χ^2/NDF: 1989363.9/34

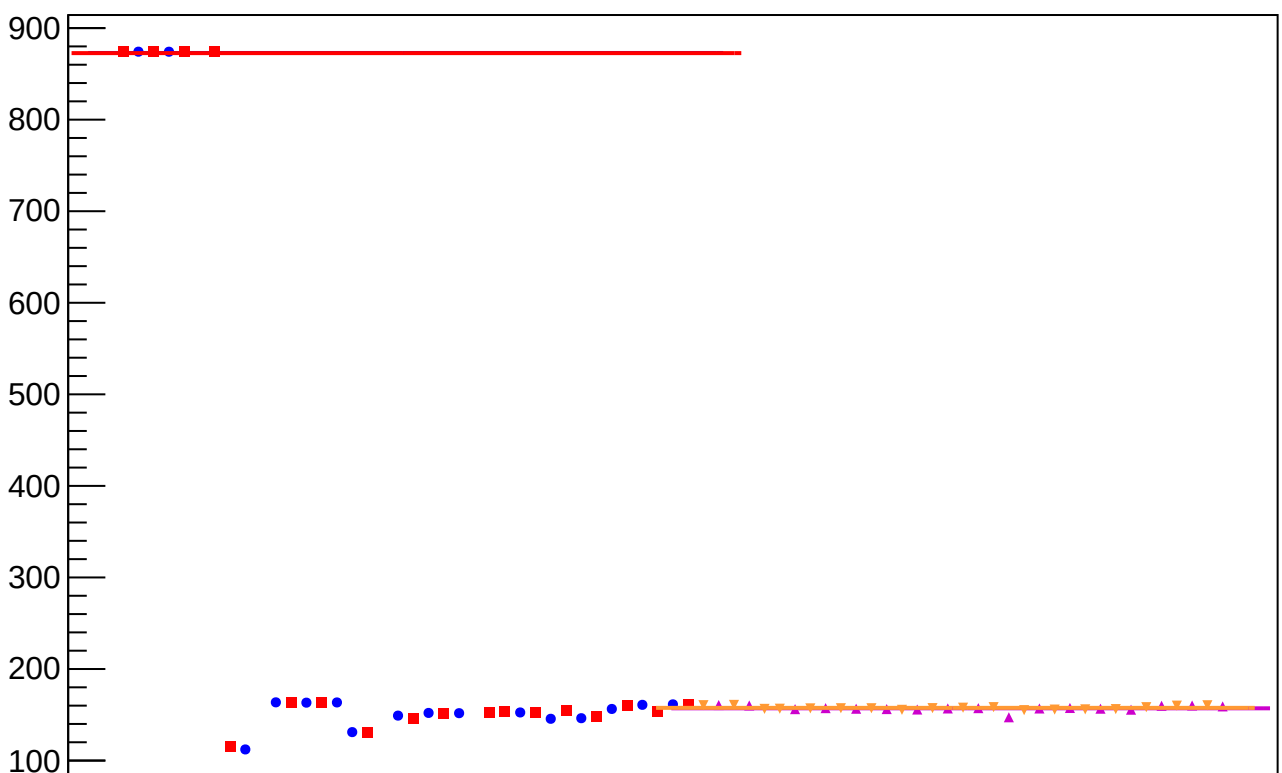
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.391+/-0.000 χ^2/NDF:2758770.2/32

Out: 0.386+/-0.000 χ^2/NDF:2677299.0/36

All: 0.389+/-0.000 χ^2/NDF: 5438967.0/69

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.569+/-0.000 χ^2/NDF:88539759.1/17

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: 157.327+/-0.000 χ^2/NDF: 292647242.8/34

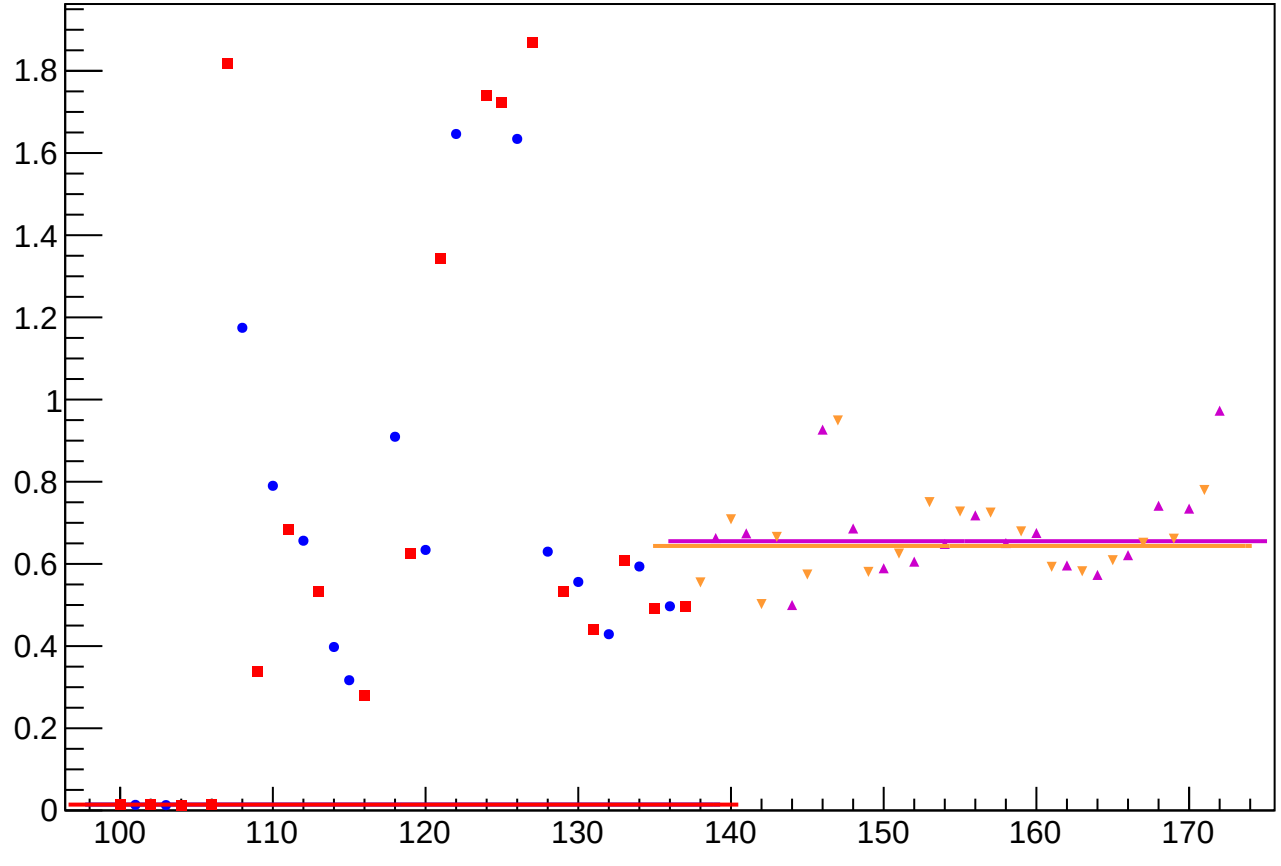
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 870.400+/-0.000 χ^2/NDF:19540136138559.5/3

Out: 870.459+/-0.000 χ^2/NDF:22178240478012.9

All: 870.432+/-0.000 χ^2/NDF: 41718389923

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.644+/-0.000 χ^2/NDF:354384.8/17

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: 0.649+/-0.000 χ^2/NDF: 809091.8/34

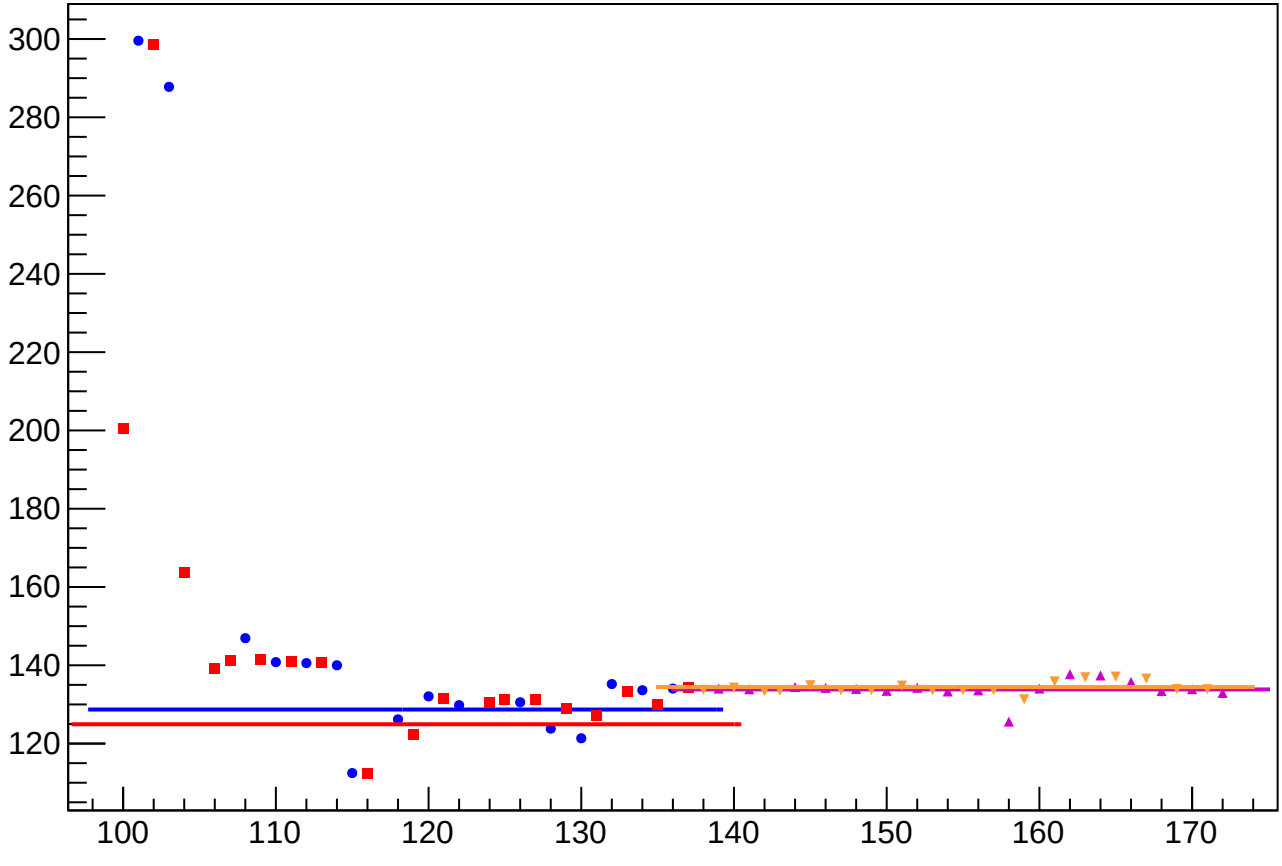
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.017+/-0.000 χ^2/NDF:29877865.9/32

Out: 0.016+/-0.000 χ^2/NDF:29927004.5/36

All: 0.016+/-0.000 χ^2/NDF: 59805853.6/69

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.432+/-0.000 χ^2/NDF:116620927.4/17

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: 134.146+/-0.000 χ^2/NDF: 494497593.0/34

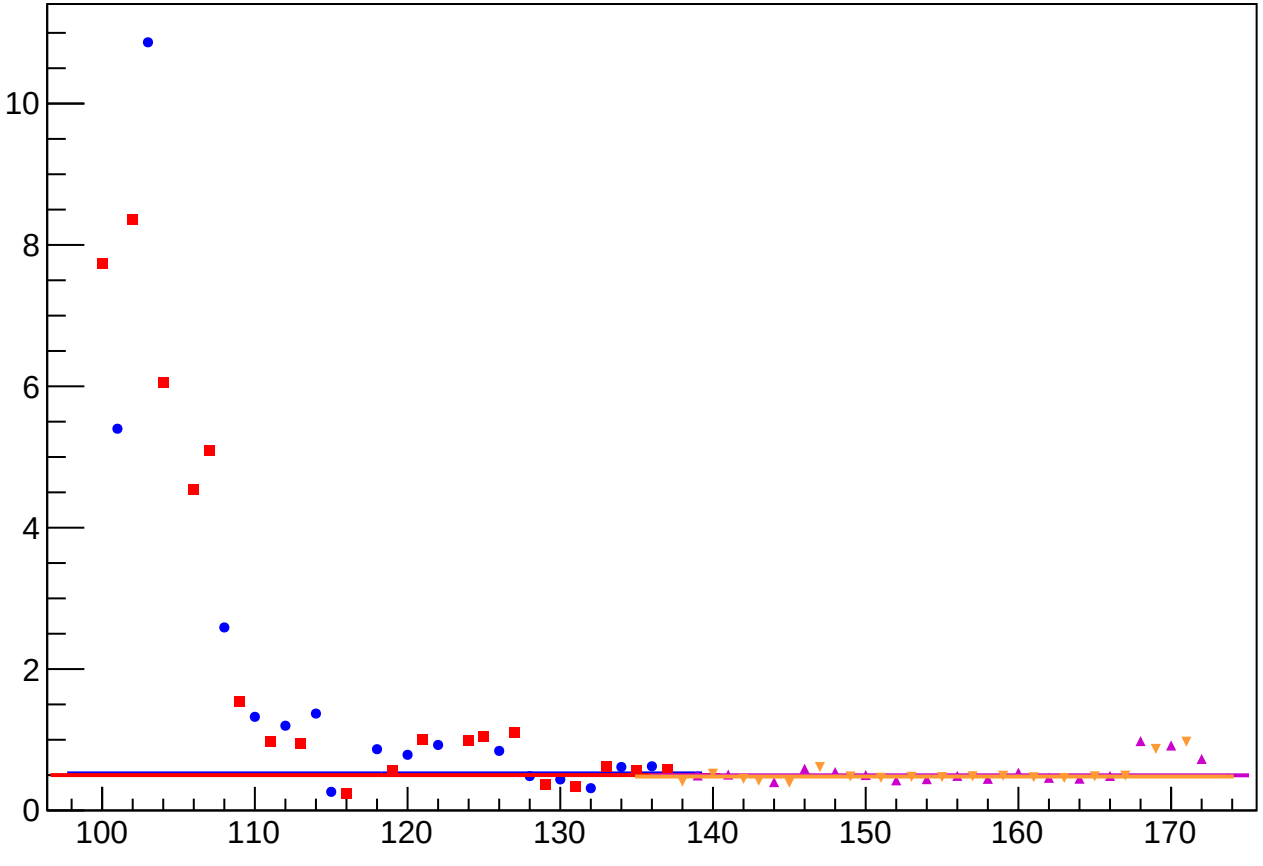
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 132.718+/-0.000 χ^2/NDF:2300597629.4/32

Out: 132.439+/-0.000 χ^2/NDF:2514347582.3/36

All: 132.573+/-0.000 χ^2/NDF: 4817450346.2

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.480+/-0.000 χ^2/NDF:862664.9/17

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: 0.488+/-0.000 χ^2/NDF: 1953945.1/34

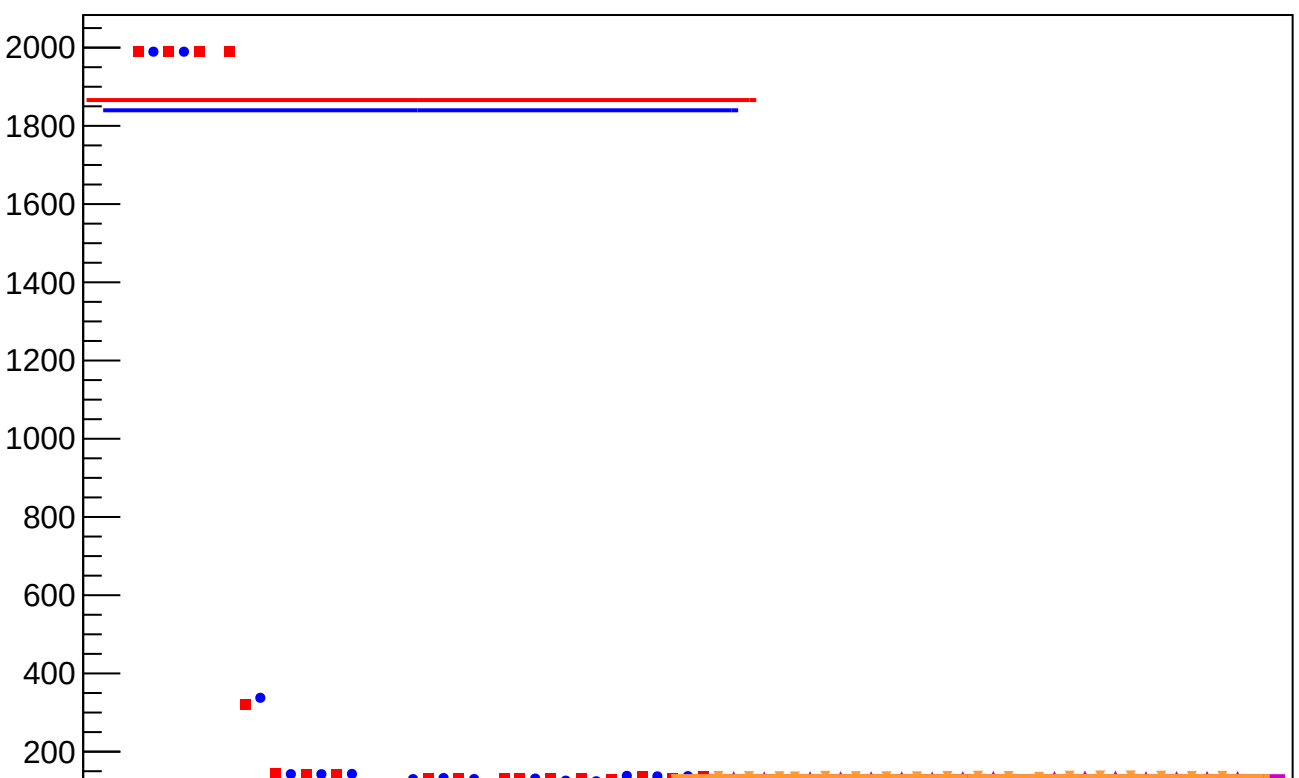
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.503+/-0.000 χ^2/NDF:5229963.9/32

Out: 0.484+/-0.000 χ^2/NDF:5756040.0/36

All: 0.493+/-0.000 χ^2/NDF: 11008310.8/69

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.496+/-0.000 χ^2/NDF:59201829.3/17

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: 137.380+/-0.000 χ^2/NDF: 290363631.0/34

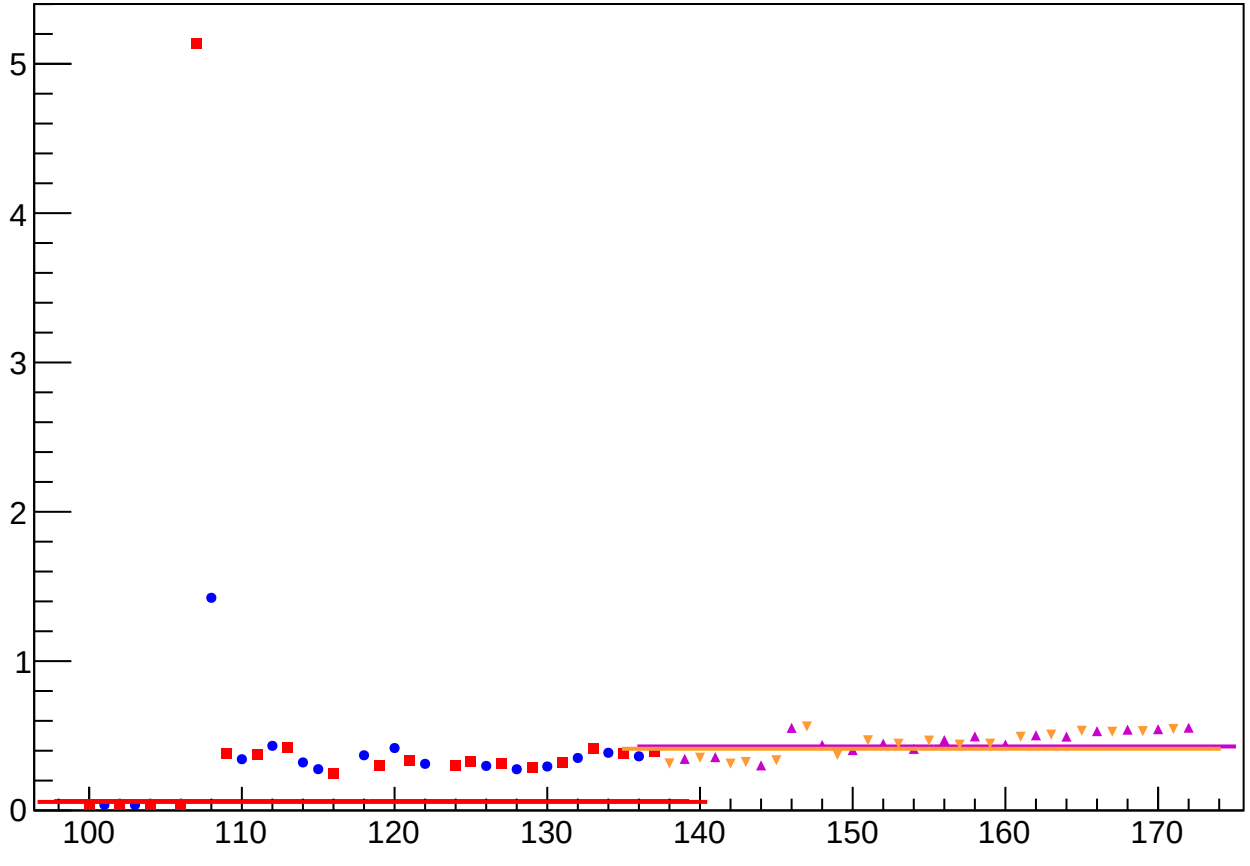
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1650.737+/-0.000 χ^2/NDF:329478785350224.

Out: 1685.996+/-0.000 χ^2/NDF:34992374358656

All: 1669.662+/-0.000 χ^2/NDF: 6798306457

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.413+/-0.000 χ^2/NDF:1082258.3/17

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: 0.420+/-0.000 χ^2/NDF: 2038819.7/34

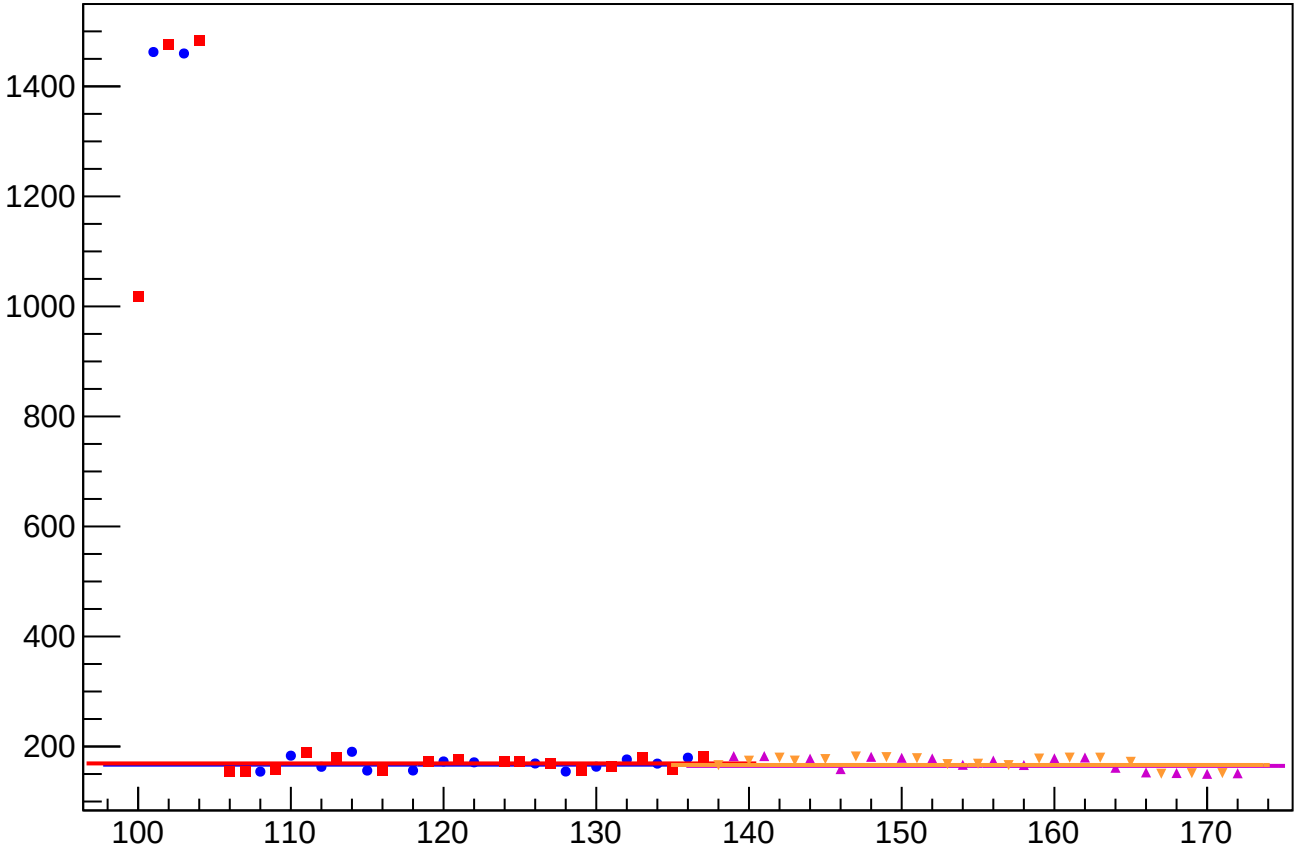
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.102+/-0.000 χ^2/NDF:26140842.2/32

Out: 0.094+/-0.000 χ^2/NDF:26380342.1/36

All: 0.098+/-0.000 χ^2/NDF: 52566949.2/69

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 166.432+/-0.000 χ^2/NDF:2175664413.4/17

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: 165.592+/-0.000 χ^2/NDF: 4727820047.6/34

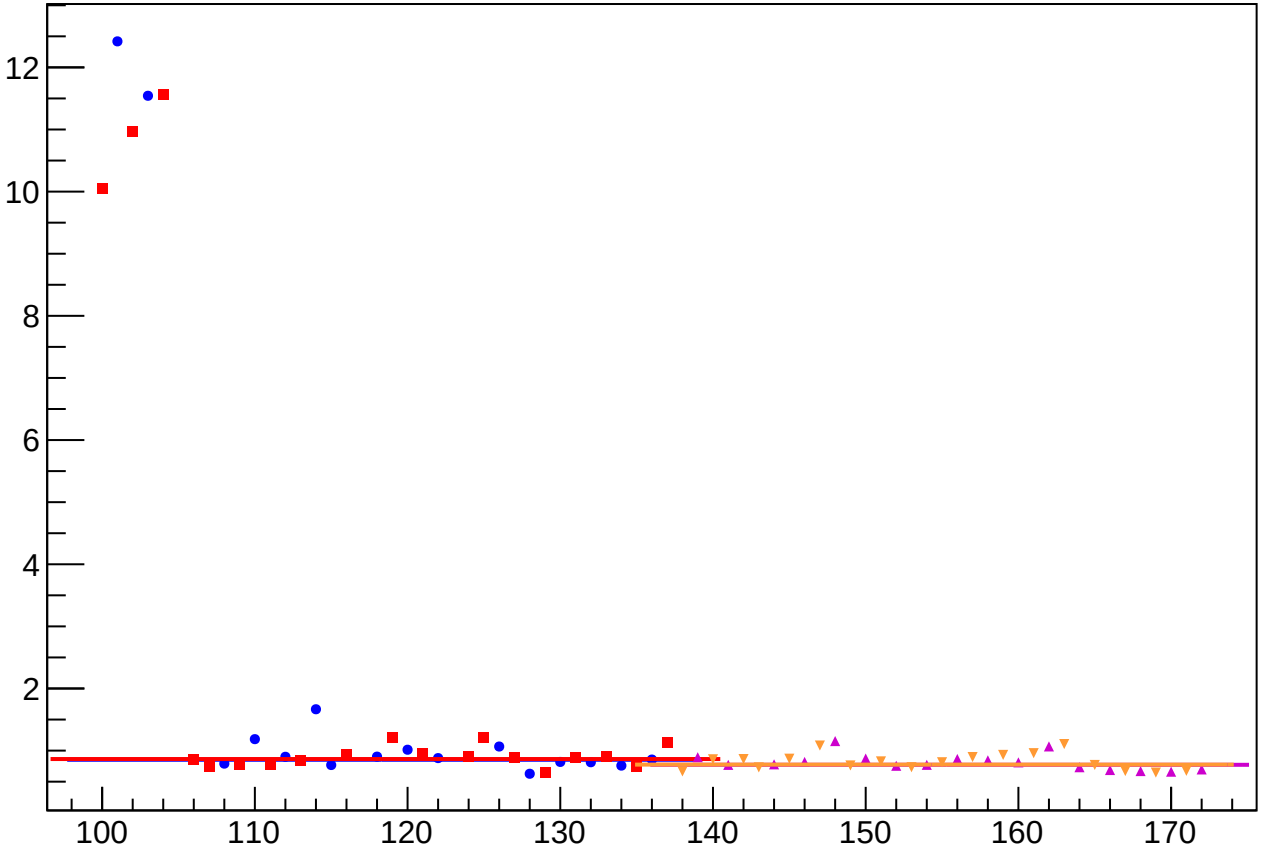
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 165.322+/-0.000 χ^2/NDF:17165137822.8/32

Out: 167.154+/-0.000 χ^2/NDF:18525594169.9/36

All: 166.236+/-0.000 χ^2/NDF: 35726561147.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.775+/-0.000 χ^2/NDF:470515.3/17

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.771+/-0.000 χ^2/NDF:386879.8/16

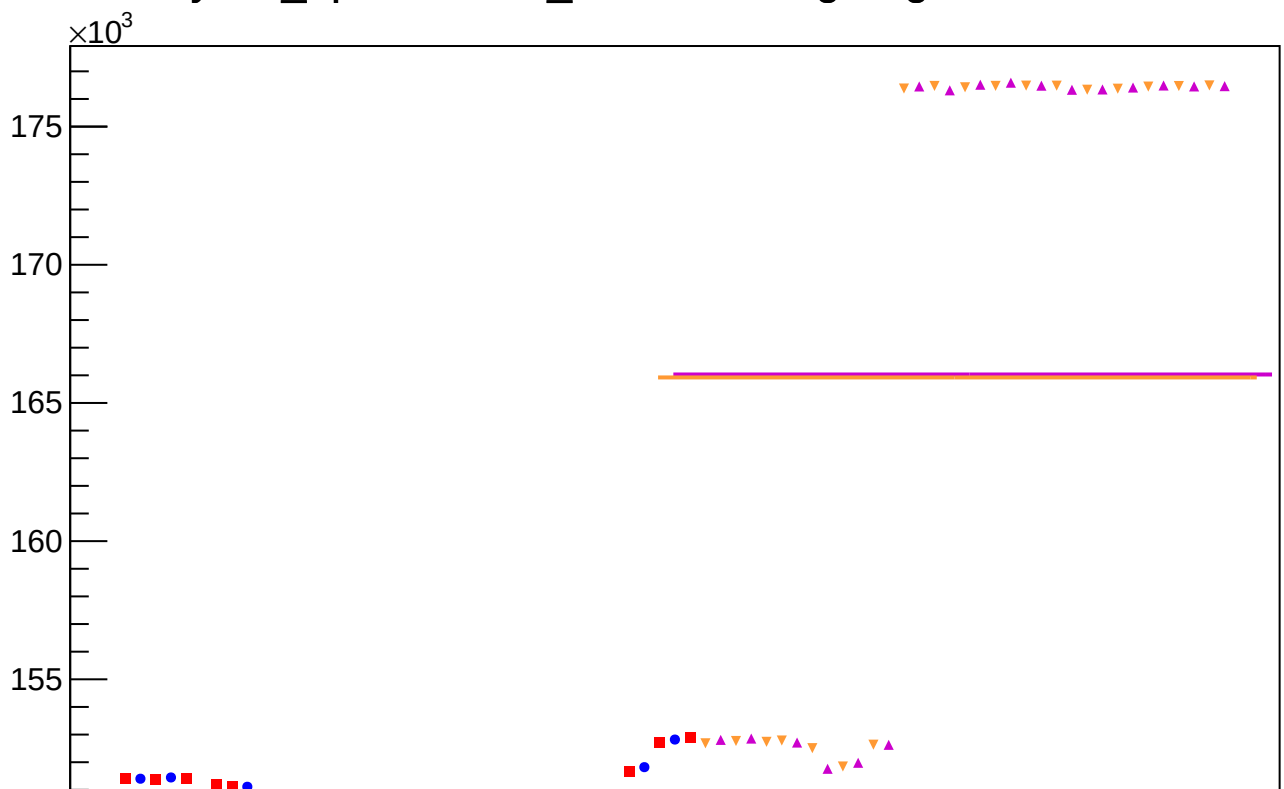
Left: 0.773+/-0.000 χ^2/NDF: 857570.4/34

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.792+/-0.000 χ^2/NDF:2742290.9/32

Out: 0.798+/-0.000 χ^2/NDF:2744951.8/36

All: 0.795+/-0.000 χ^2/NDF: 5488017.1/69



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 165923.347+/-0.051 χ^2/NDF:54281523083.6/17

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: 165975.030+/-0.037 χ^2/NDF: 105439471256.

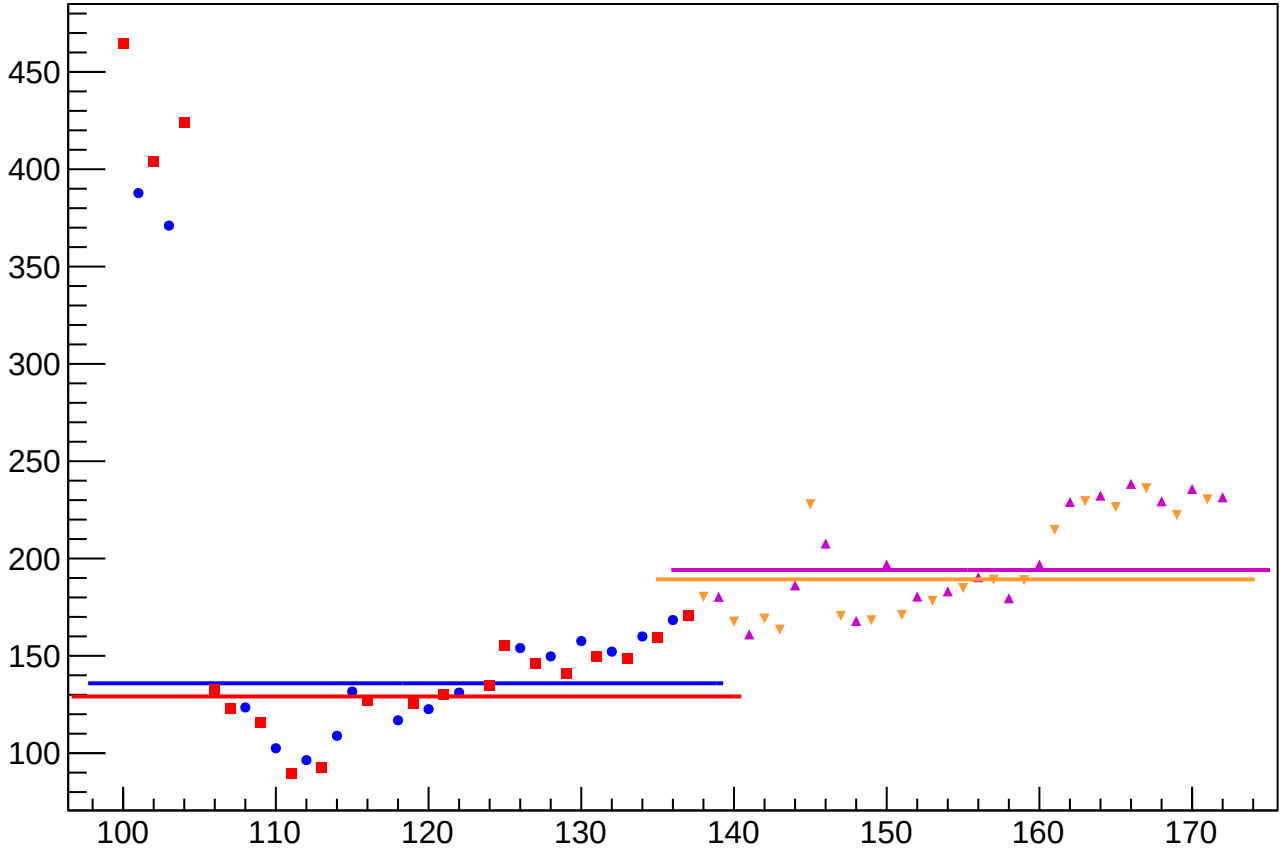
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 158598.804+/-0.038 χ^2/NDF:93024371961.3/3

Out: 158255.355+/-0.036 χ^2/NDF:99951020381.3

All: 158418.527+/-0.026 χ^2/NDF: 19301858

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 189.286+/-0.036 χ^2/NDF:459144.6/17

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 194.088+/-0.037 χ^2/NDF:405601.5/16

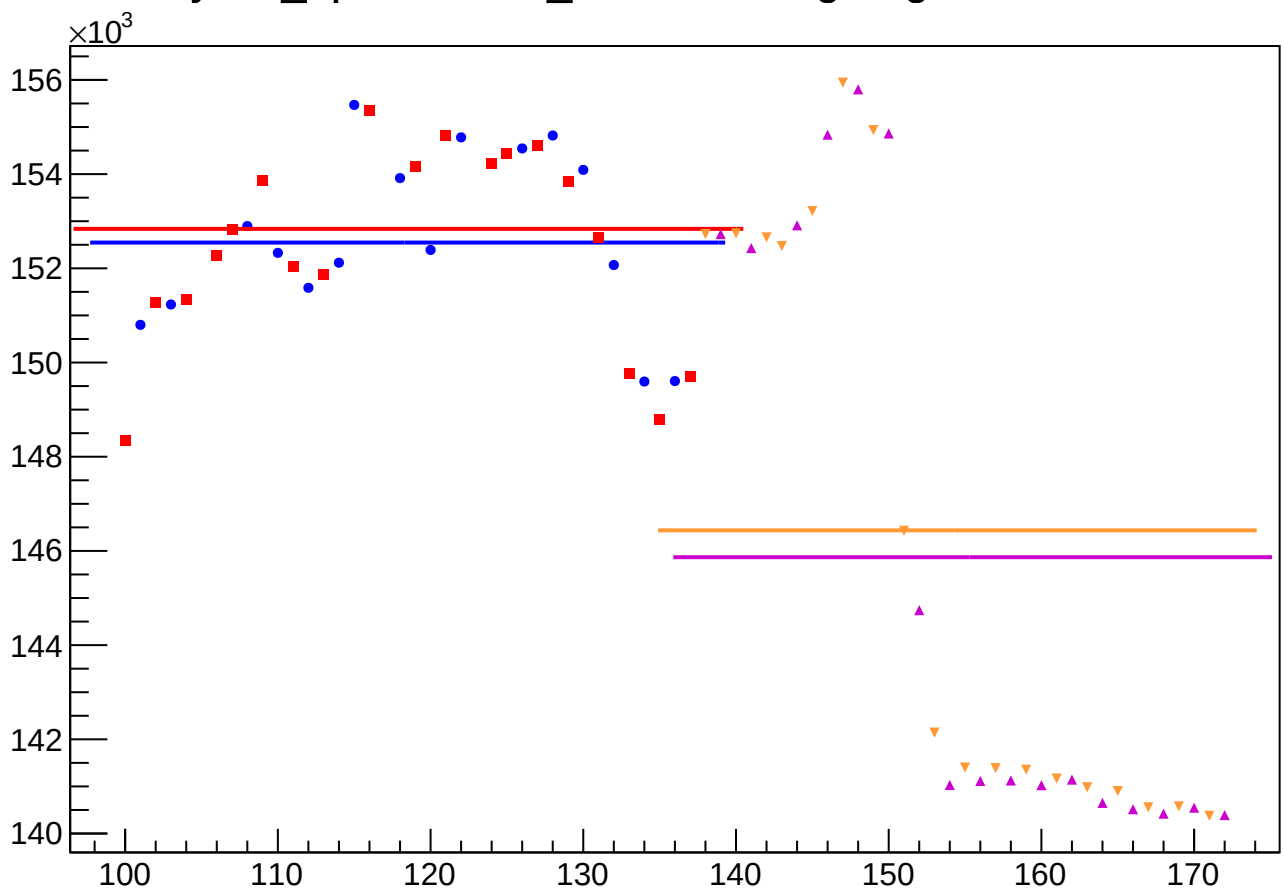
Left: 191.611+/-0.026 χ^2/NDF: 873367.0/34

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 166.119+/-0.027 χ^2/NDF:3001382.0/32

Out: 159.259+/-0.025 χ^2/NDF:3468042.4/36

All: 162.518+/-0.018 χ^2/NDF: 6503896.4/69



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 146437.106+/-0.055 χ^2/NDF:11410697491.8/17

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: 146157.775+/-0.039 χ^2/NDF: 23104590260.0

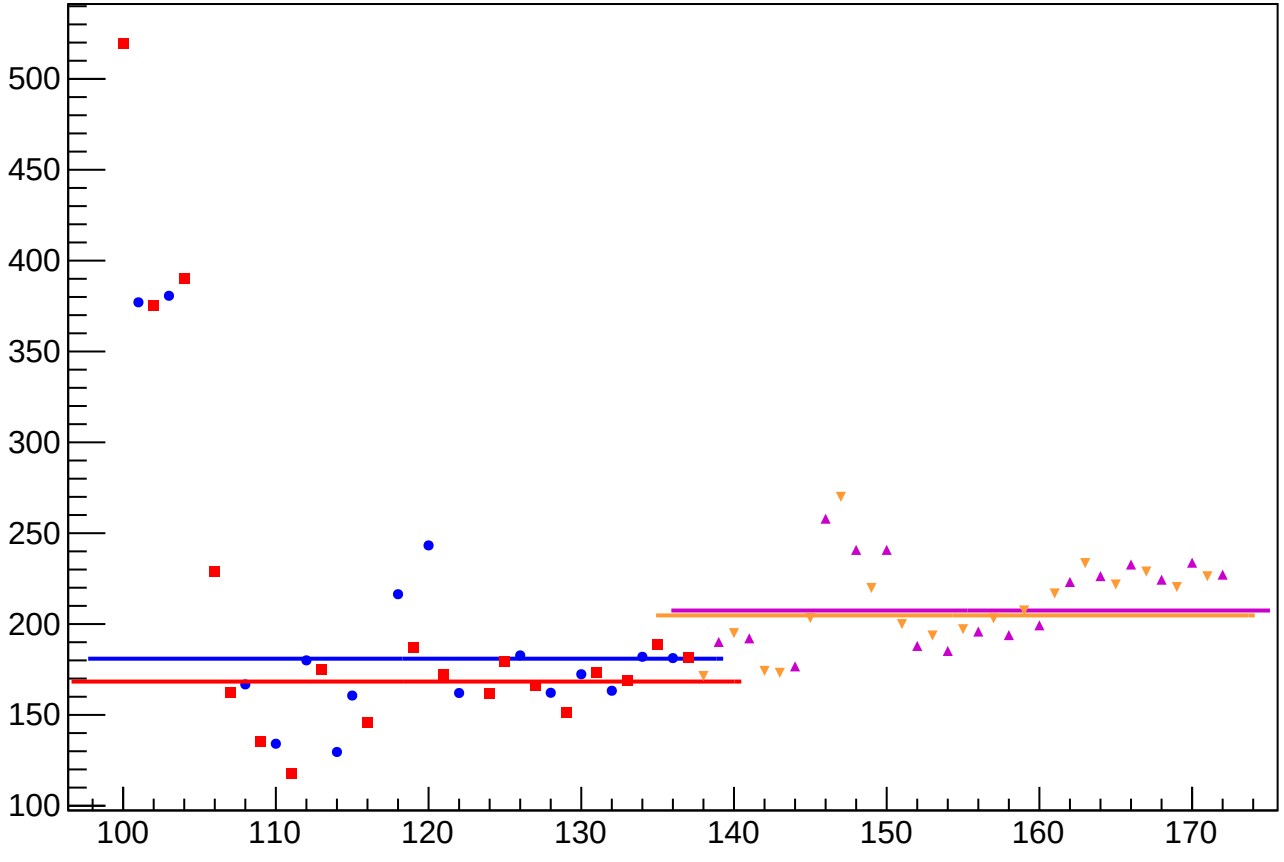
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 148369.790+/-0.044 χ^2/NDF:17587660178.0/3

Out: 149034.192+/-0.042 χ^2/NDF:17626692464.3

All: 148717.179+/-0.031 χ^2/NDF: 353311743

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 204.759+/-0.039 χ^2/NDF:330908.7/17

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 207.450+/-0.040 χ^2/NDF:342606.9/16

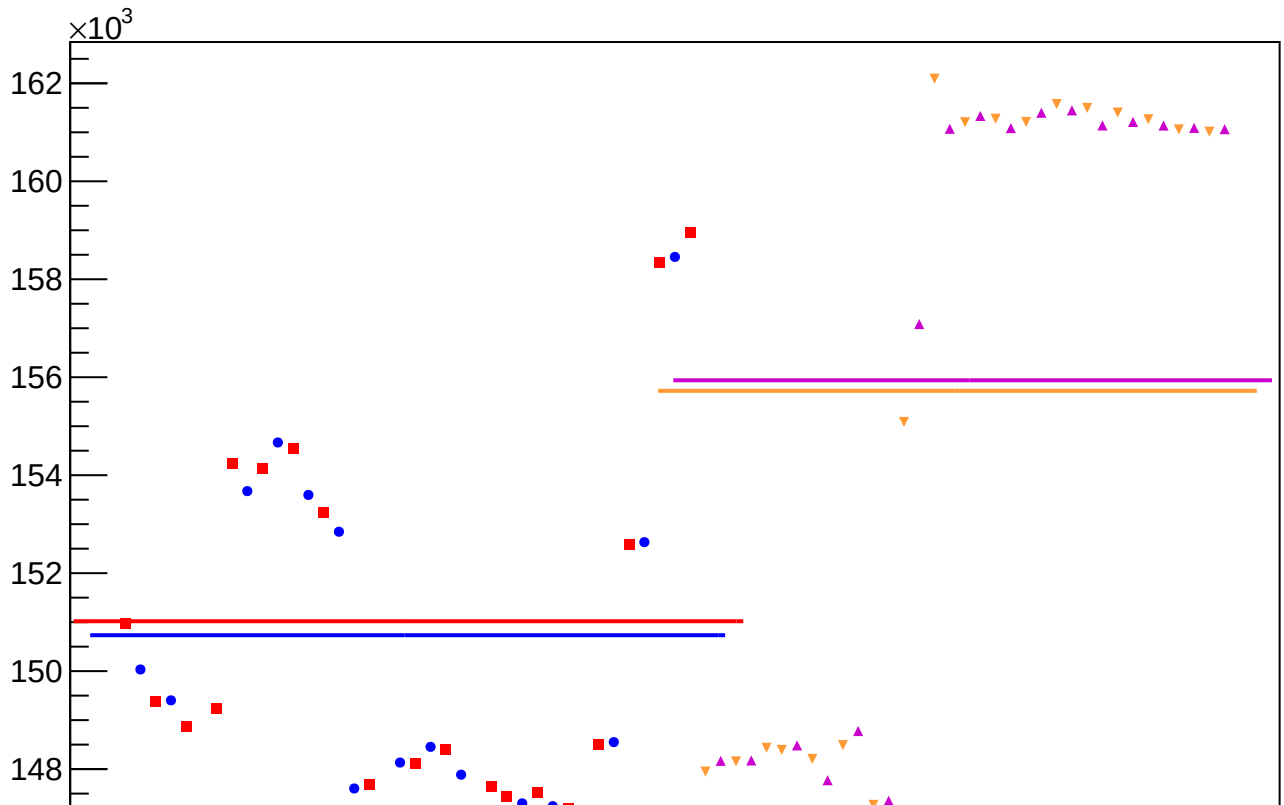
Left: 206.077+/-0.028 χ^2/NDF: 675854.2/34

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 197.517+/-0.031 χ^2/NDF:1417069.4/32

Out: 189.986+/-0.030 χ^2/NDF:1774577.5/36

All: 193.579+/-0.022 χ^2/NDF: 3221663.3/69



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 155722.308+/-0.053 χ^2/NDF:14130730424.9/17

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: 155826.501+/-0.038 χ^2/NDF: 26775864262.5

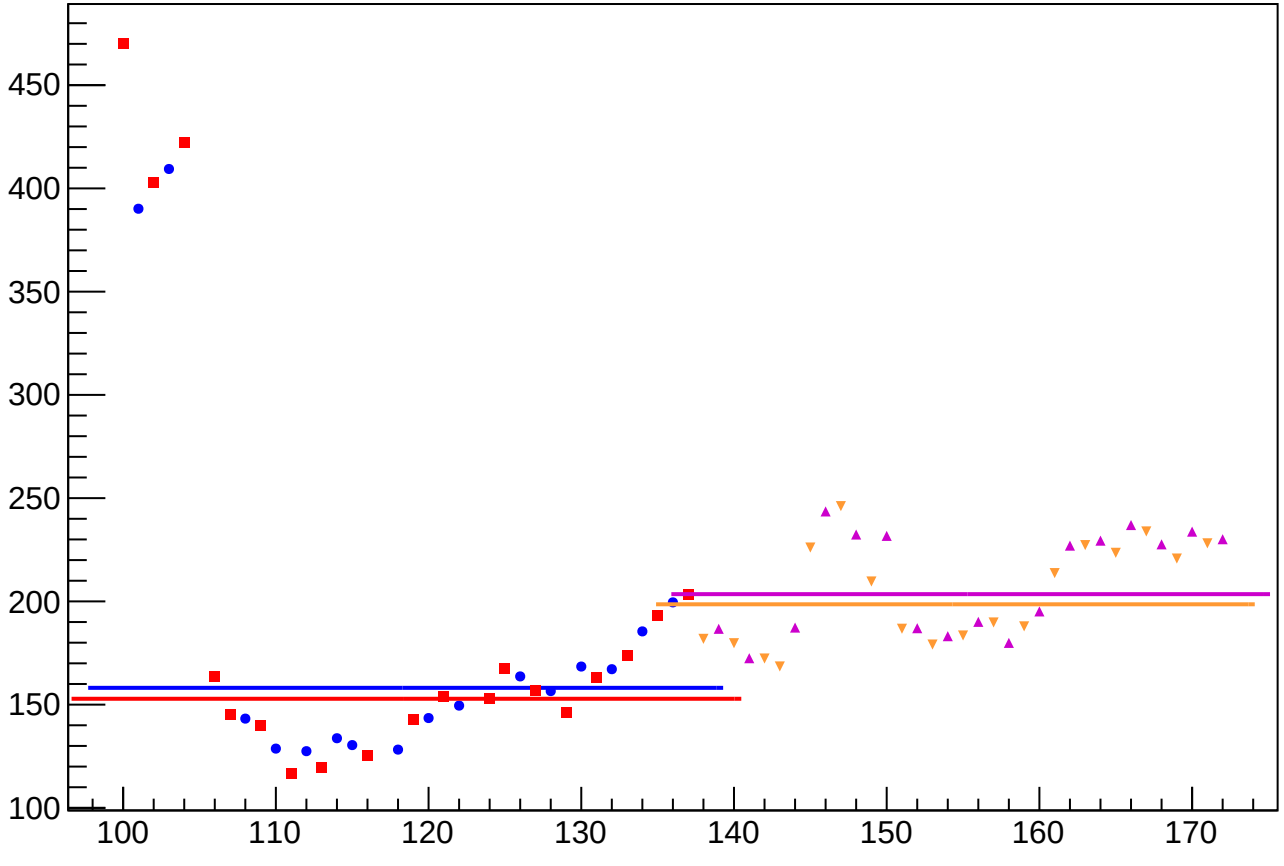
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 153679.533+/-0.041 χ^2/NDF:19796755564.0/3

Out: 153648.550+/-0.040 χ^2/NDF:20846950477.4

All: 153663.449+/-0.029 χ^2/NDF: 40643996

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 198.593+/-0.038 χ^2/NDF:366841.0/17

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 203.508+/-0.039 χ^2/NDF:381604.4/16

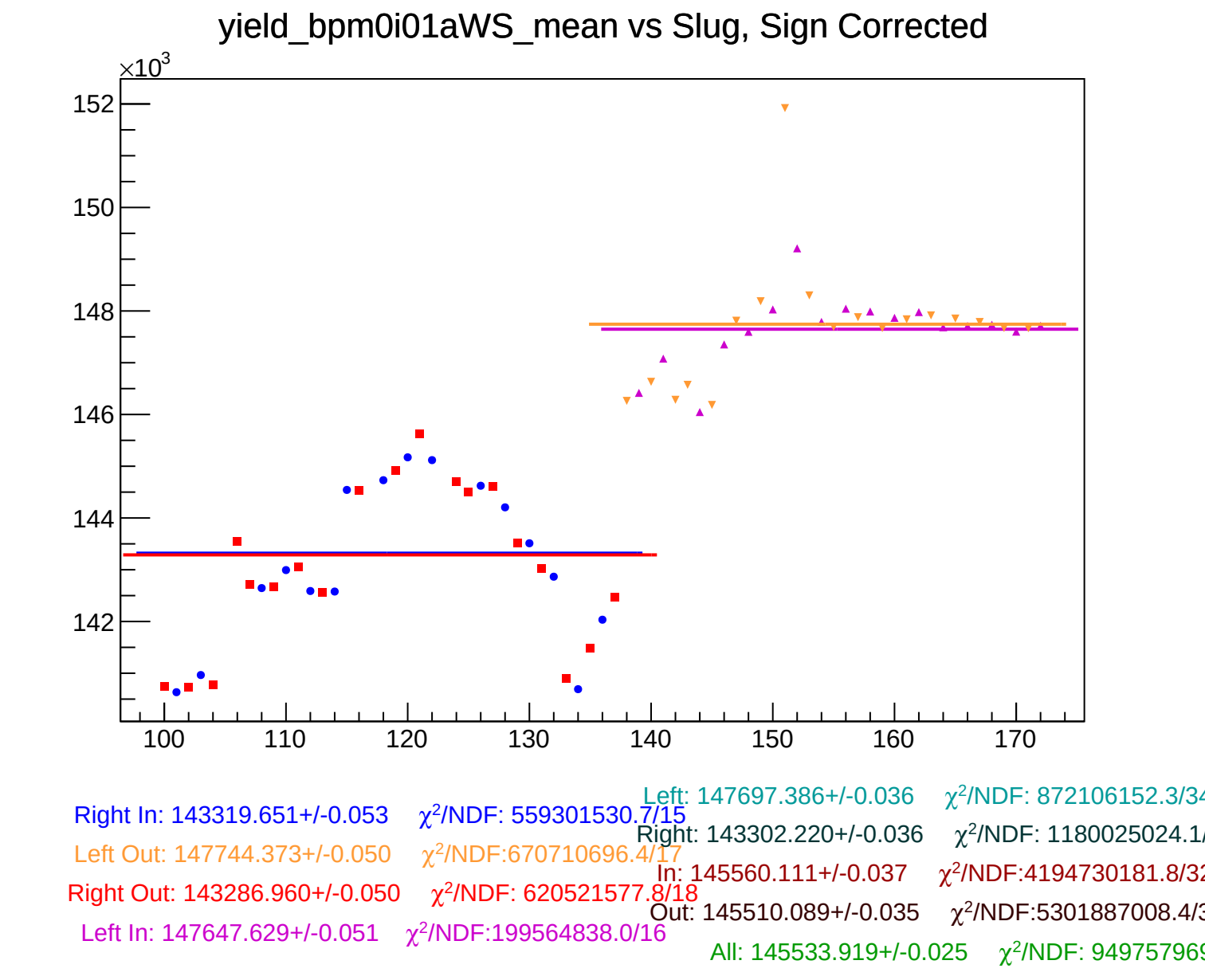
Left: 200.972+/-0.027 χ^2/NDF: 756669.3/34

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

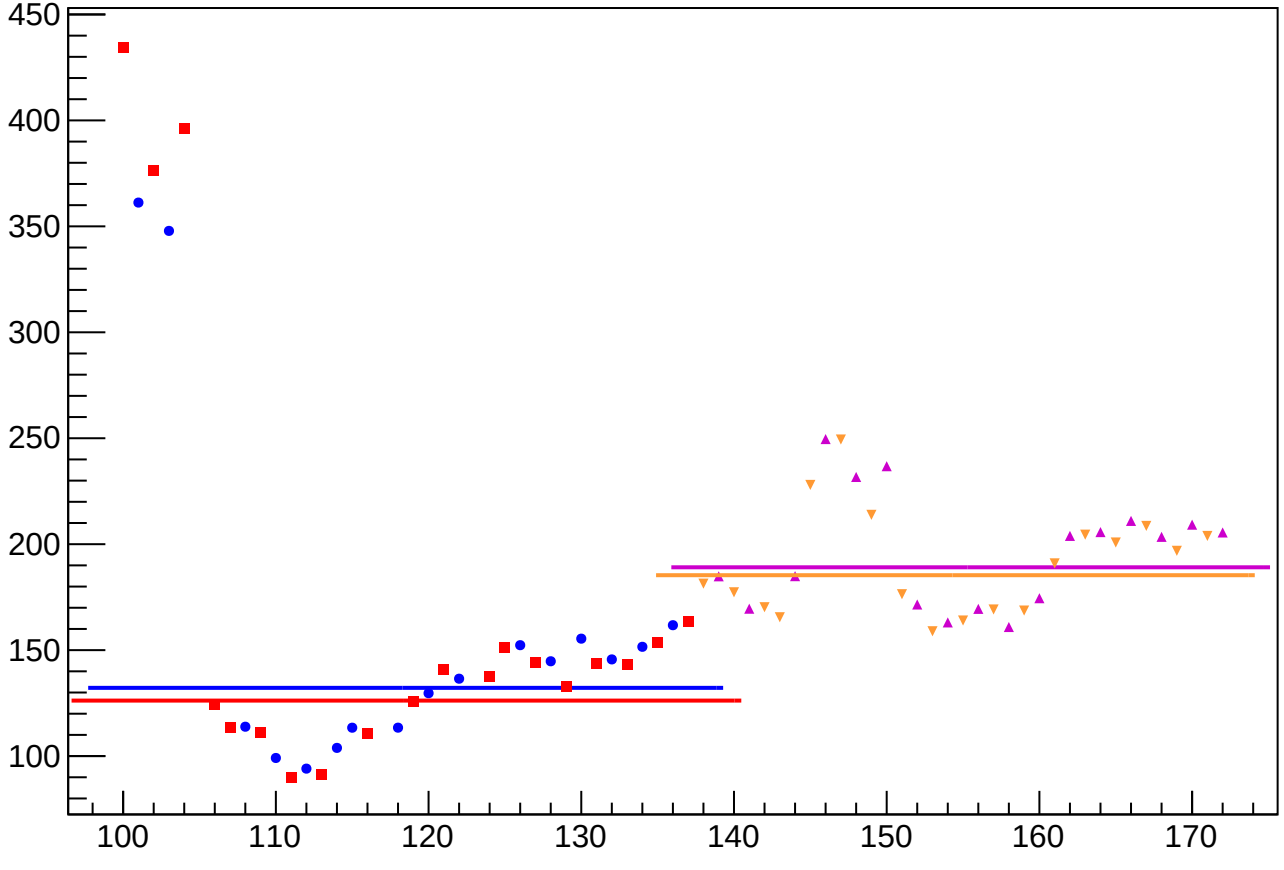
In: 183.823+/-0.029 χ^2/NDF:2166412.6/32

Out: 178.422+/-0.028 χ^2/NDF:2280080.4/36

All: 181.019+/-0.020 χ^2/NDF: 4464132.9/69


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: 147744.373+/-0.050 χ²/NDF:670710696.4/17
Right Out: 143286.960+/-0.050 χ²/NDF: 620521577.8/18
Left In: 147647.629+/-0.051 χ²/NDF:199564838.0/16
Left: 147697.386+/-0.036 χ²/NDF: 872106152.3/34
Right: 143302.220+/-0.036 χ²/NDF: 1180025024.1/
In: 145560.111+/-0.037 χ²/NDF:4194730181.8/32
Out: 145510.089+/-0.035 χ²/NDF:5301887008.4/3
All: 145533.919+/-0.025 χ²/NDF: 94975796

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 185.363+/-0.035 χ^2/NDF:397035.9/17

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 189.094+/-0.036 χ^2/NDF:465708.1/16

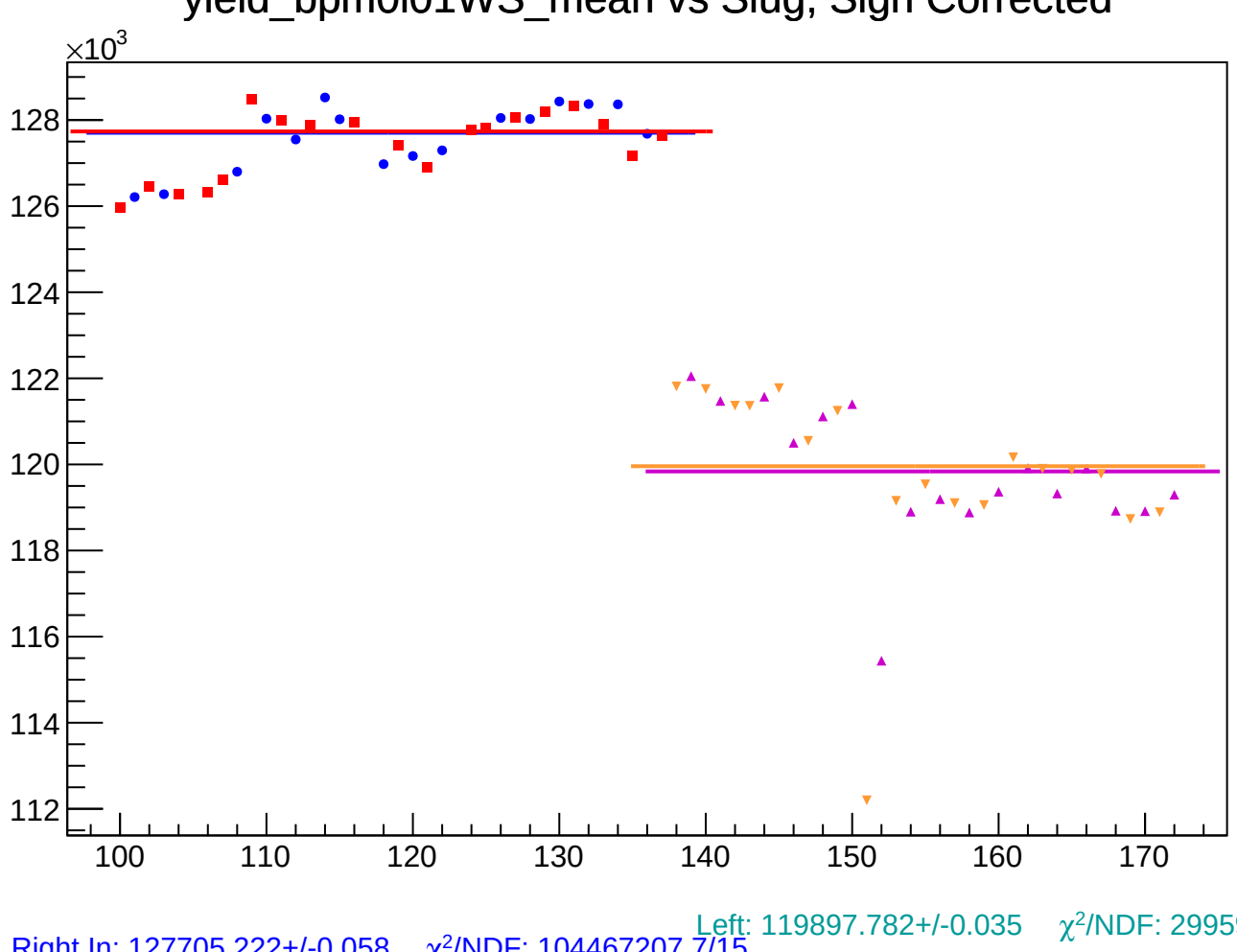
Left: 187.175+/-0.025 χ^2/NDF: 868191.8/34

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

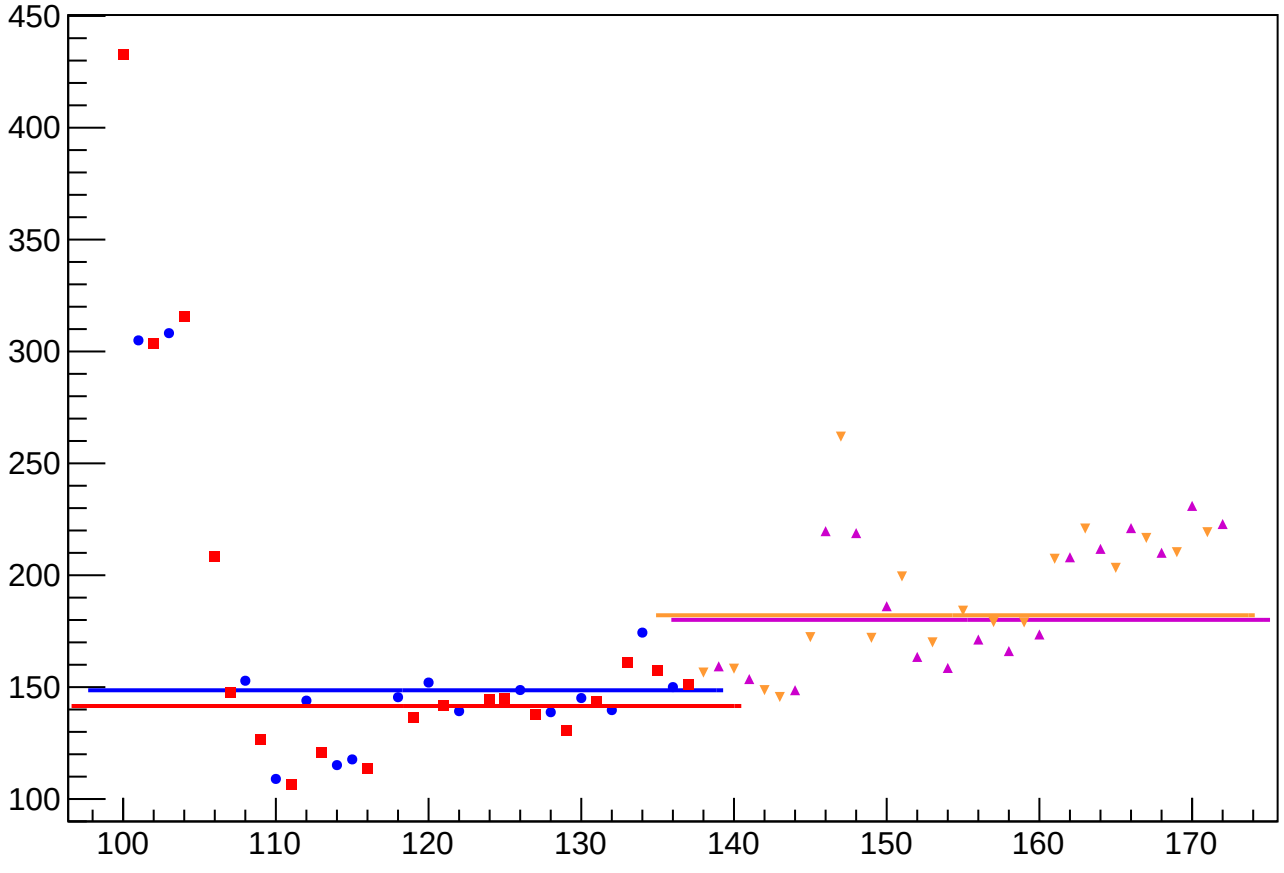
In: 161.654+/-0.026 χ^2/NDF:3032205.2/32

Out: 155.703+/-0.025 χ^2/NDF:3355596.3/36

All: 158.538+/-0.018 χ^2/NDF: 6415052.3/69


yield_bpm0l01WS_mean vs Slug, Sign Corrected
×10^3
128
126
124
122
120
118
116
114
112
100
110
120
130
140
150
160
170
Right In: 127705.222+/-0.058 χ²/NDF: 104467207.7/15
Left Out: 119958.810+/-0.049 χ²/NDF:1805163849.9/17
Right Out: 127734.542+/-0.055 χ²/NDF: 109469333.8/18
Left In: 119837.440+/-0.049 χ²/NDF:1187801092.6/16
Left: 119897.782+/-0.035 χ²/NDF: 2995991551.9/3
Right: 127720.787+/-0.040 χ²/NDF: 214070280.4/3
In: 123101.763+/-0.038 χ²/NDF:11906048869.3/3
Out: 123442.276+/-0.037 χ²/NDF:12982767365.6
All: 123276.014+/-0.026 χ²/NDF: 24930724

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 182.118+/-0.035 χ^2/NDF:604252.5/17

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 180.067+/-0.035 χ^2/NDF:601328.5/16

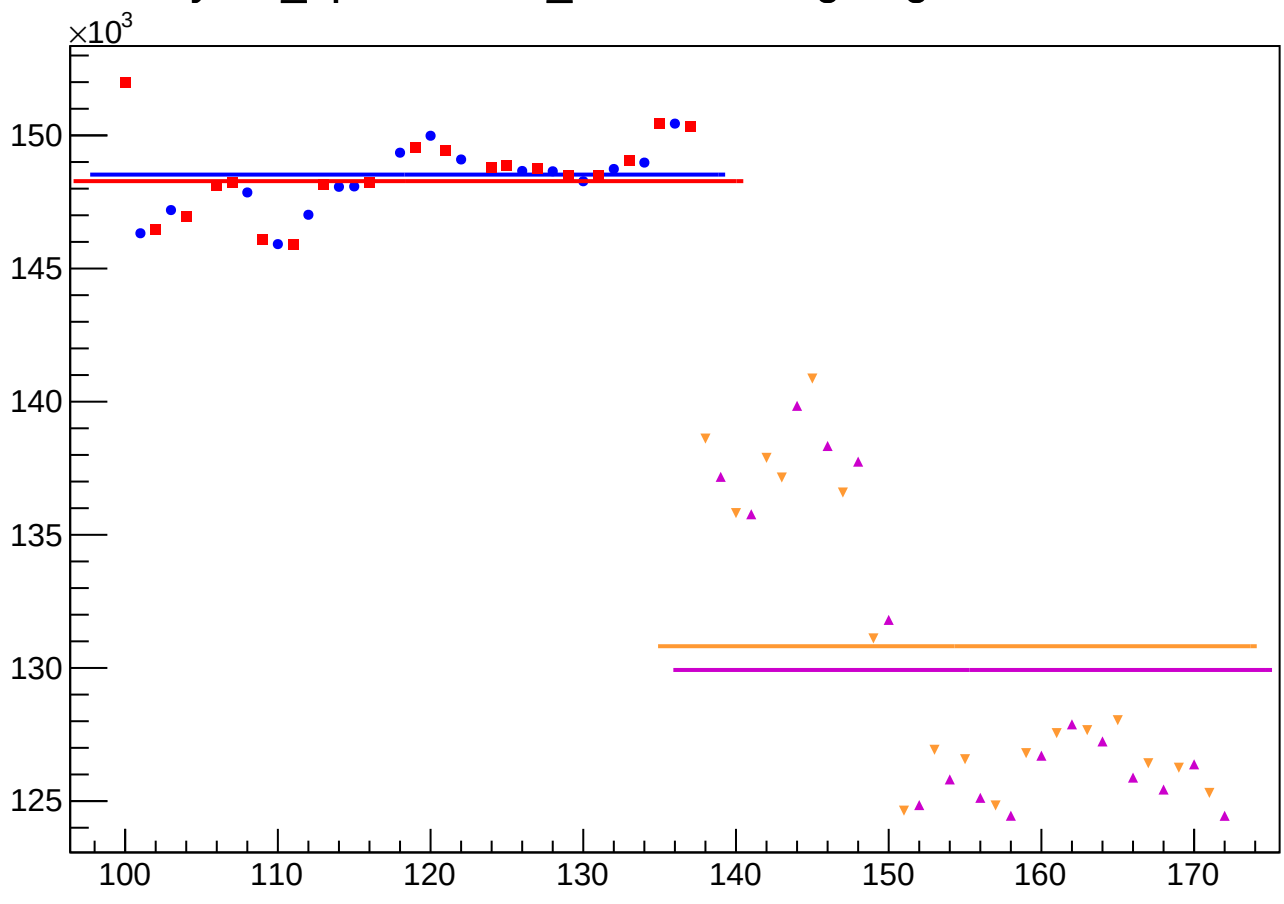
Left: 181.086+/-0.025 χ^2/NDF: 1207310.0/34

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

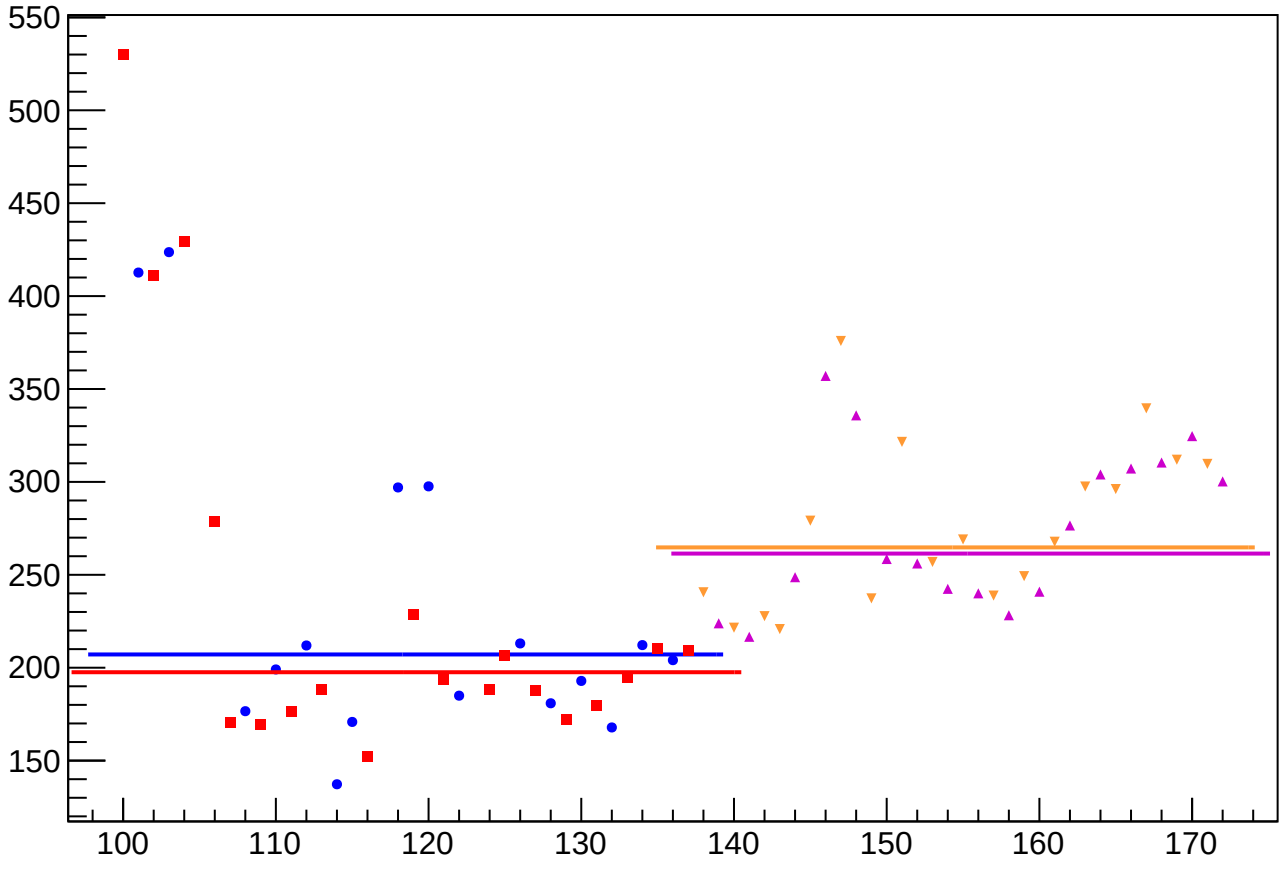
In: 167.008+/-0.027 χ^2/NDF:1768722.3/32

Out: 163.950+/-0.026 χ^2/NDF:2207627.2/36

All: 165.443+/-0.019 χ^2/NDF: 3983112.4/69


yield_bpm0l02WS_mean vs Slug, Sign Corrected
×10^3
150
145
140
135
130
125
100
110
120
130
140
150
160
170
Right In: 148527.678+/-0.082 χ²/NDF: 209208133.0/15
Left Out: 130816.284+/-0.072 χ²/NDF:5740450121.6/17
Right Out: 148282.003+/-0.077 χ²/NDF: 294673557.8/18
Left In: 129924.768+/-0.071 χ²/NDF:6175113553.7/16
Left: 130367.651+/-0.050 χ²/NDF: 11993682699.0
Right: 148396.583+/-0.056 χ²/NDF: 508678498.1/3
In: 137914.286+/-0.054 χ²/NDF:35790670308.8/3
Out: 138954.328+/-0.052 χ²/NDF:33796596240.7
All: 138448.123+/-0.037 χ²/NDF: 69779808

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 264.750+/-0.051 χ^2/NDF:593320.0/17

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 261.425+/-0.050 χ^2/NDF:588829.6/16

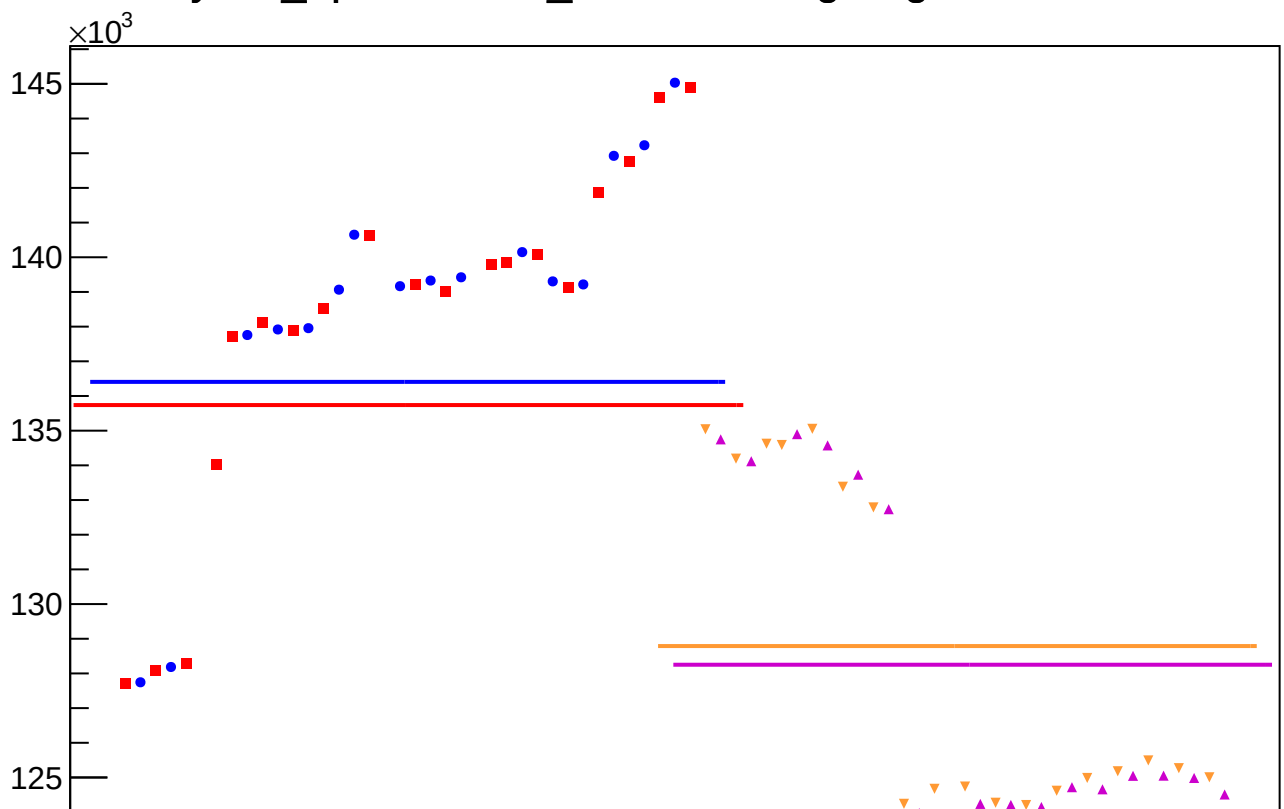
Left: 263.077+/-0.036 χ^2/NDF: 1184323.3/34

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 238.109+/-0.038 χ^2/NDF:2061943.9/32

Out: 233.449+/-0.037 χ^2/NDF:2318747.4/36

All: 235.717+/-0.026 χ^2/NDF: 4388422.6/69



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 128789.359+/-0.157 χ^2/NDF:917357439.2/17

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: 128532.315+/-0.114 χ^2/NDF: 1766232228.7/3

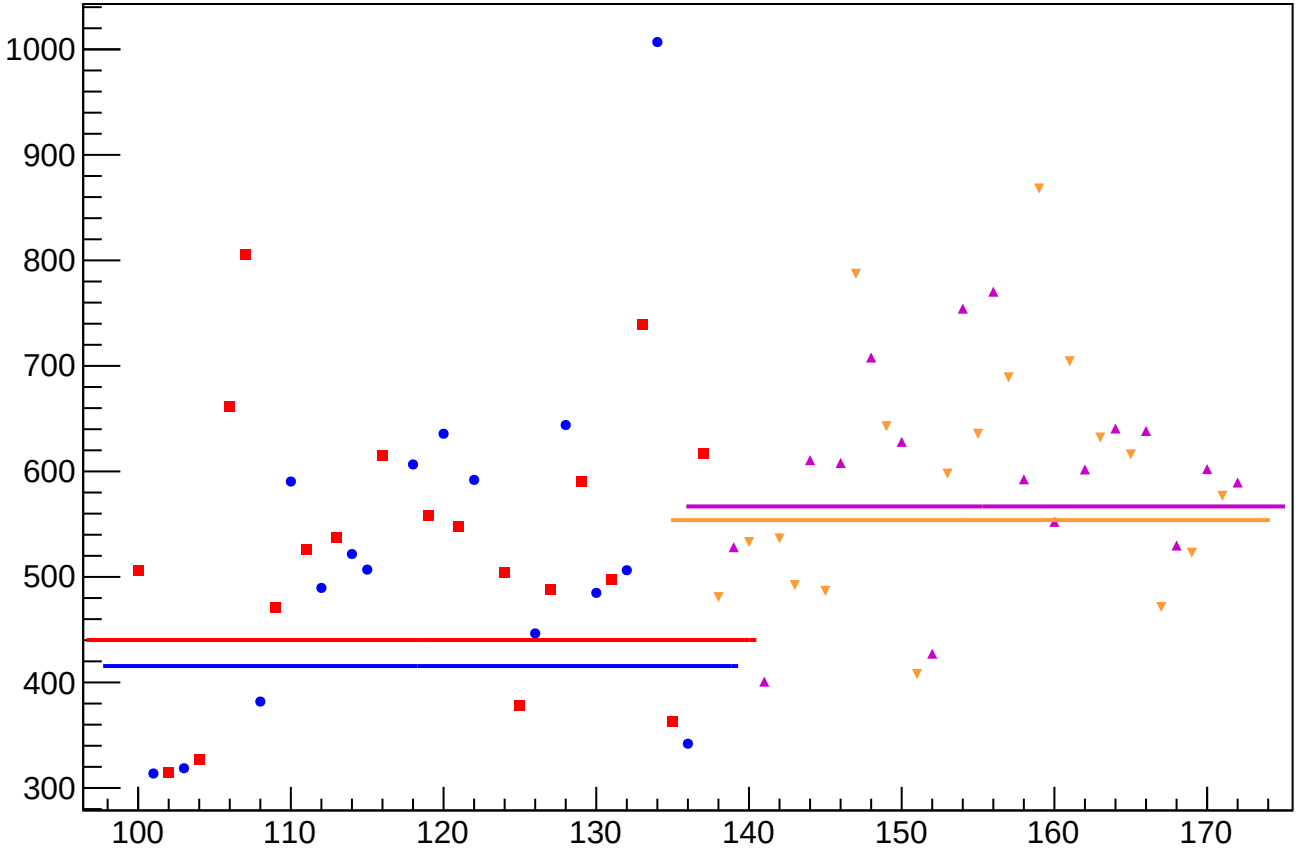
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 132229.946+/-0.118 χ^2/NDF:3619154557.9/32

Out: 131861.074+/-0.117 χ^2/NDF:2954708922.5/3

All: 132045.063+/-0.083 χ^2/NDF: 65787825

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 553.852+/-0.111 χ^2/NDF:857284.4/17

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 566.828+/-0.116 χ^2/NDF:728840.3/16

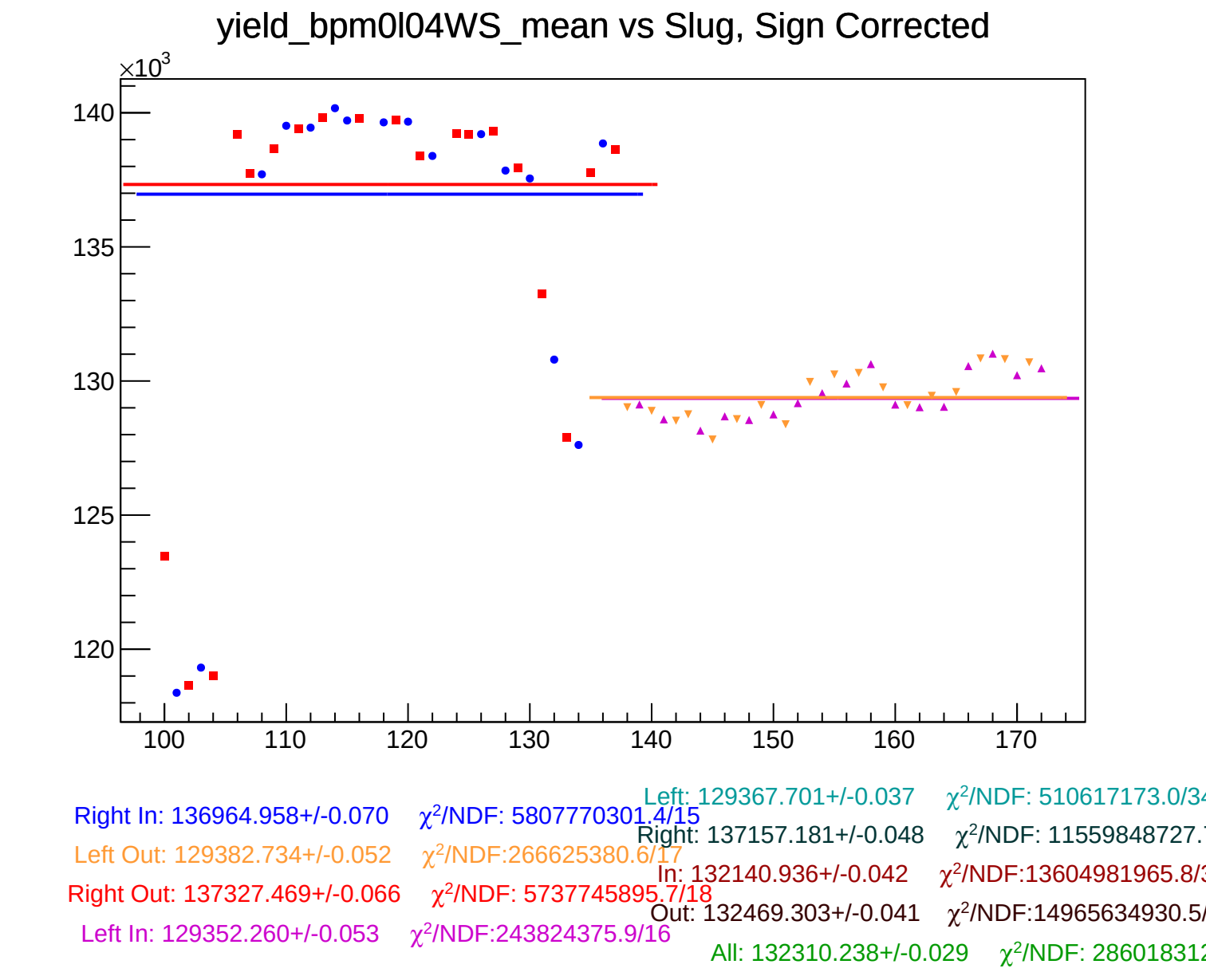
Left: 560.046+/-0.080 χ^2/NDF: 1592625.7/34

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

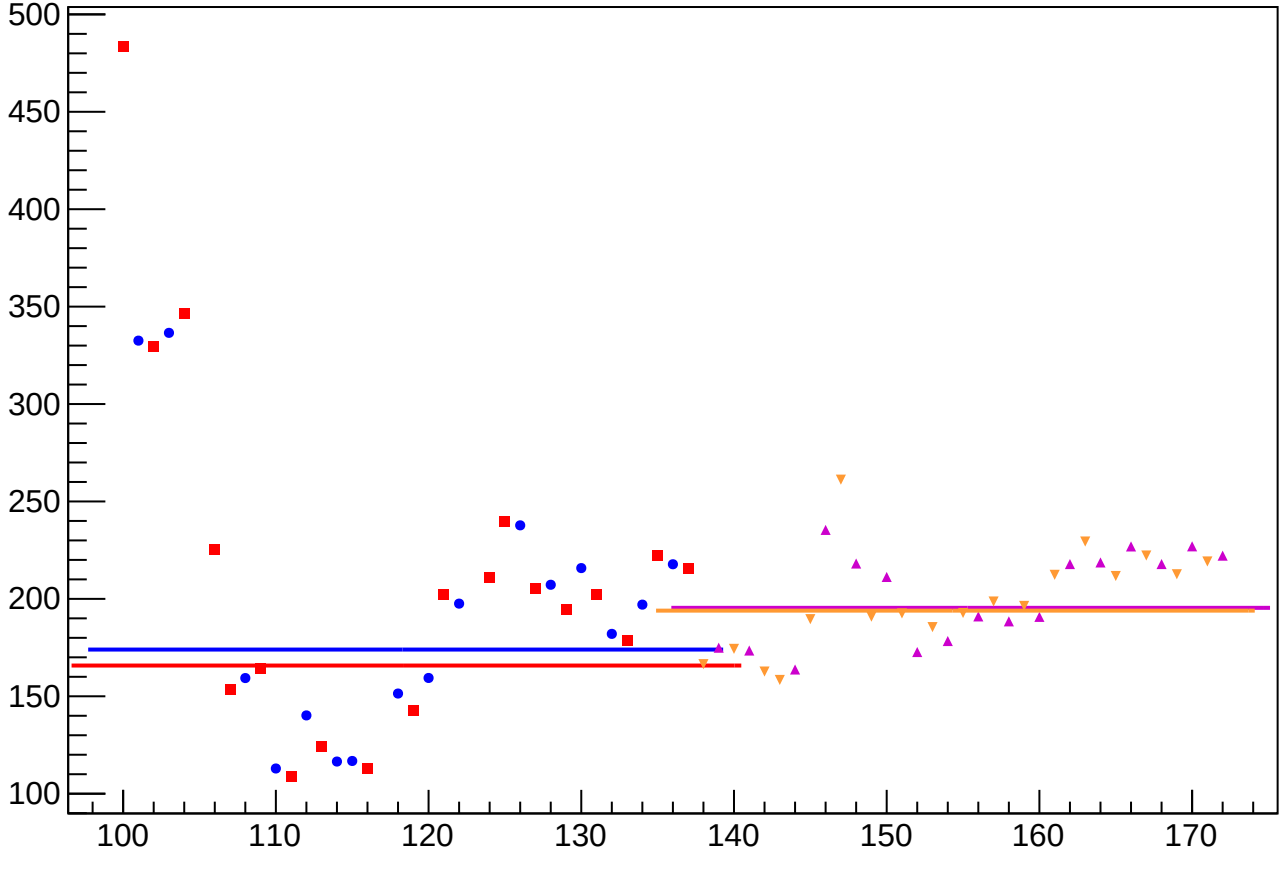
In: 493.023+/-0.083 χ^2/NDF:2585316.4/32

Out: 503.622+/-0.083 χ^2/NDF:2229736.1/36

All: 498.335+/-0.059 χ^2/NDF: 4823174.2/69


yield_bpm0l04WS_mean vs Slug, Sign Corrected
×10^3
140
135
130
125
120
100
110
120
130
140
150
160
170
Right In: 136964.958+/-0.070 χ²/NDF: 5807770301.4/15
Left Out: 129382.734+/-0.052 χ²/NDF:266625380.6/17
Right Out: 137327.469+/-0.066 χ²/NDF: 5737745895.7/18
Left In: 129352.260+/-0.053 χ²/NDF:243824375.9/16
Left: 129367.701+/-0.037 χ²/NDF: 510617173.0/34
Right: 137157.181+/-0.048 χ²/NDF: 11559848727.
In: 132140.936+/-0.042 χ²/NDF:13604981965.8/3
Out: 132469.303+/-0.041 χ²/NDF:14965634930.5/
All: 132310.238+/-0.029 χ²/NDF: 28601831

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 193.964+/-0.037 χ^2/NDF:407534.9/17

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 195.397+/-0.037 χ^2/NDF:369037.5/16

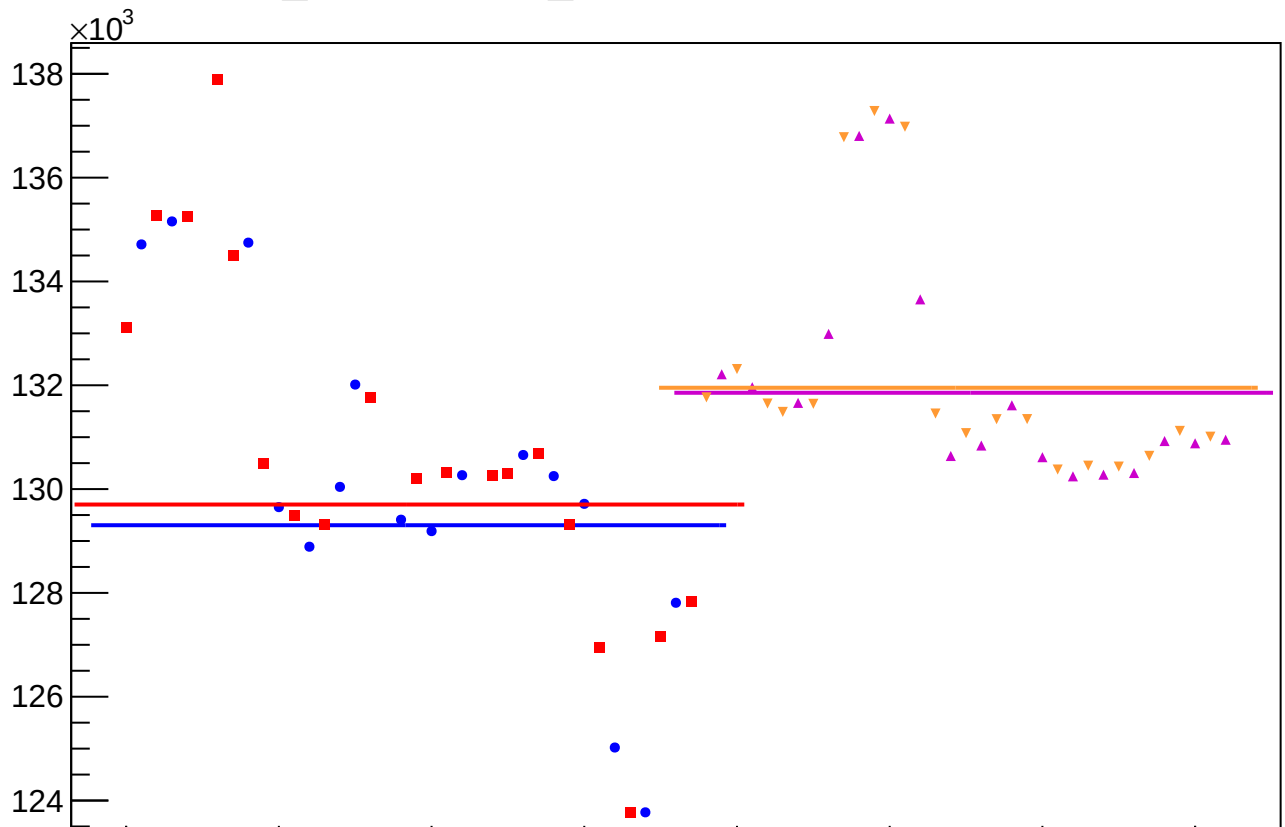
Left: 194.671+/-0.026 χ^2/NDF: 777312.6/34

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 187.552+/-0.030 χ^2/NDF:1677079.0/32

Out: 183.015+/-0.029 χ^2/NDF:2066246.2/36

All: 185.213+/-0.021 χ^2/NDF: 3755246.1/69



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 131952.422+/-0.052 χ^2/NDF:1327571017.2/17

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: 131904.462+/-0.037 χ^2/NDF: 2409823651.9/3

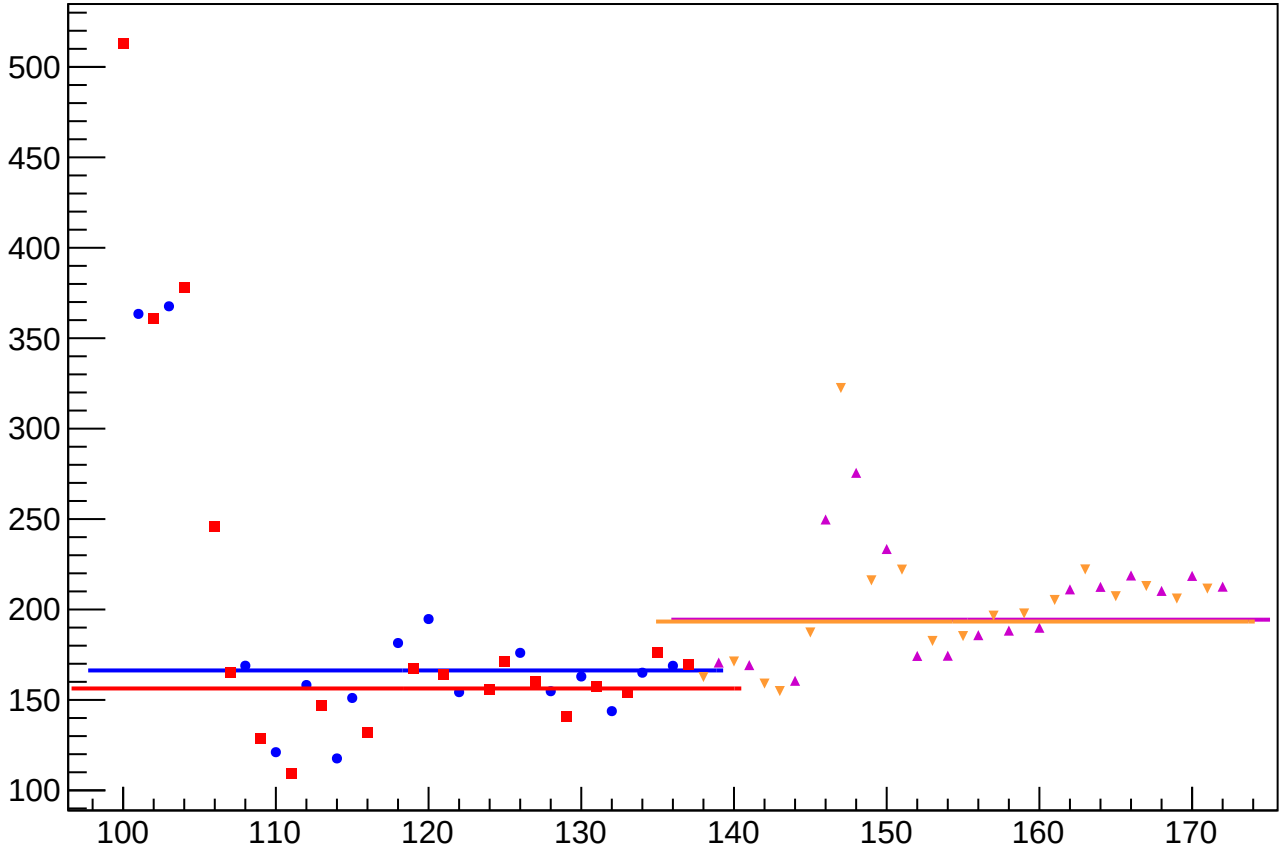
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130860.063+/-0.041 χ^2/NDF:3636835554.3/32

Out: 131006.437+/-0.040 χ^2/NDF:3879821901.0/3

All: 130935.849+/-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: 193.339+/-0.037 χ^2/NDF:605668.0/17

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 194.370+/-0.037 χ^2/NDF:549041.1/16

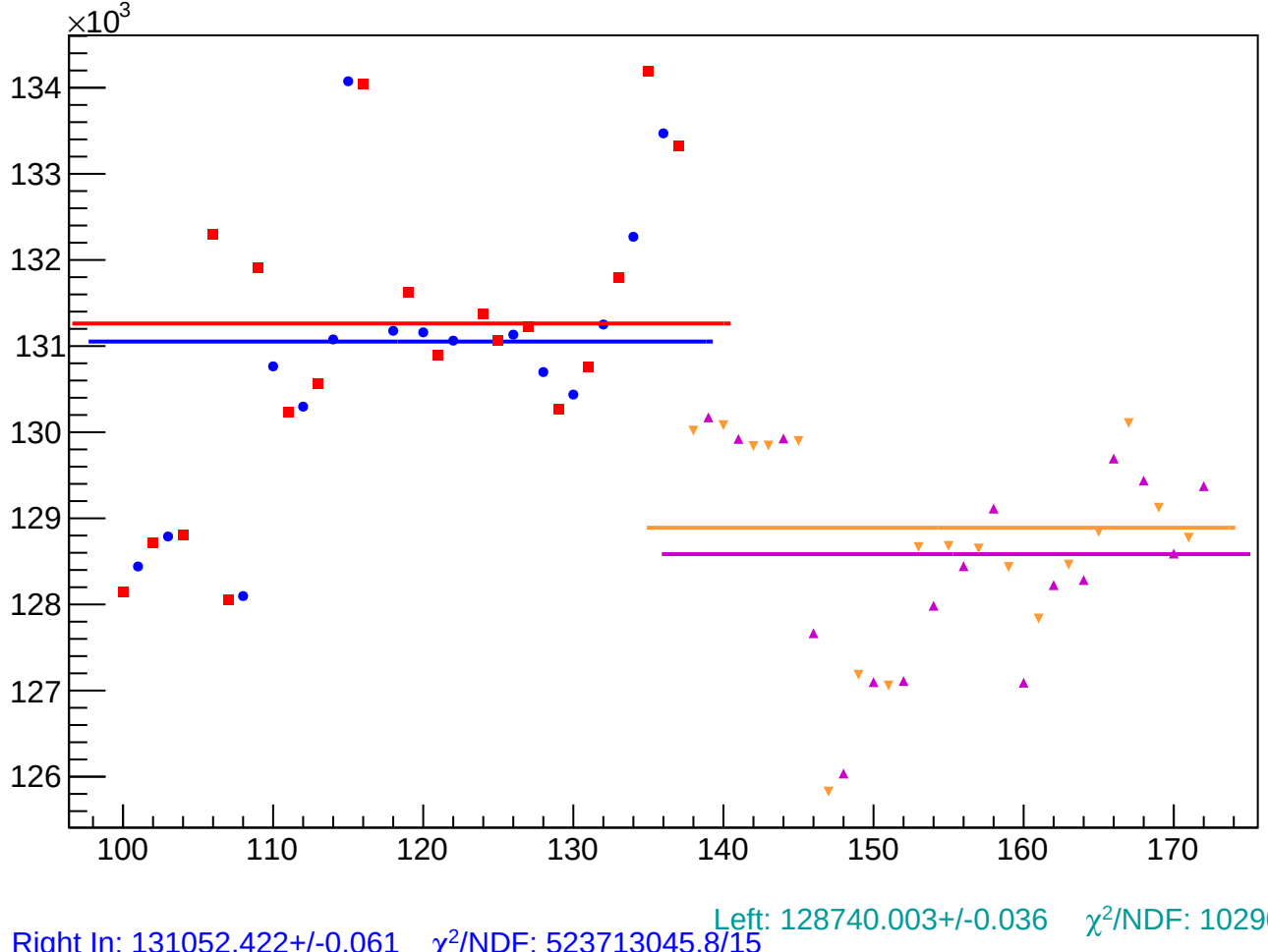
Left: 193.849+/-0.026 χ^2/NDF: 1155091.9/34

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

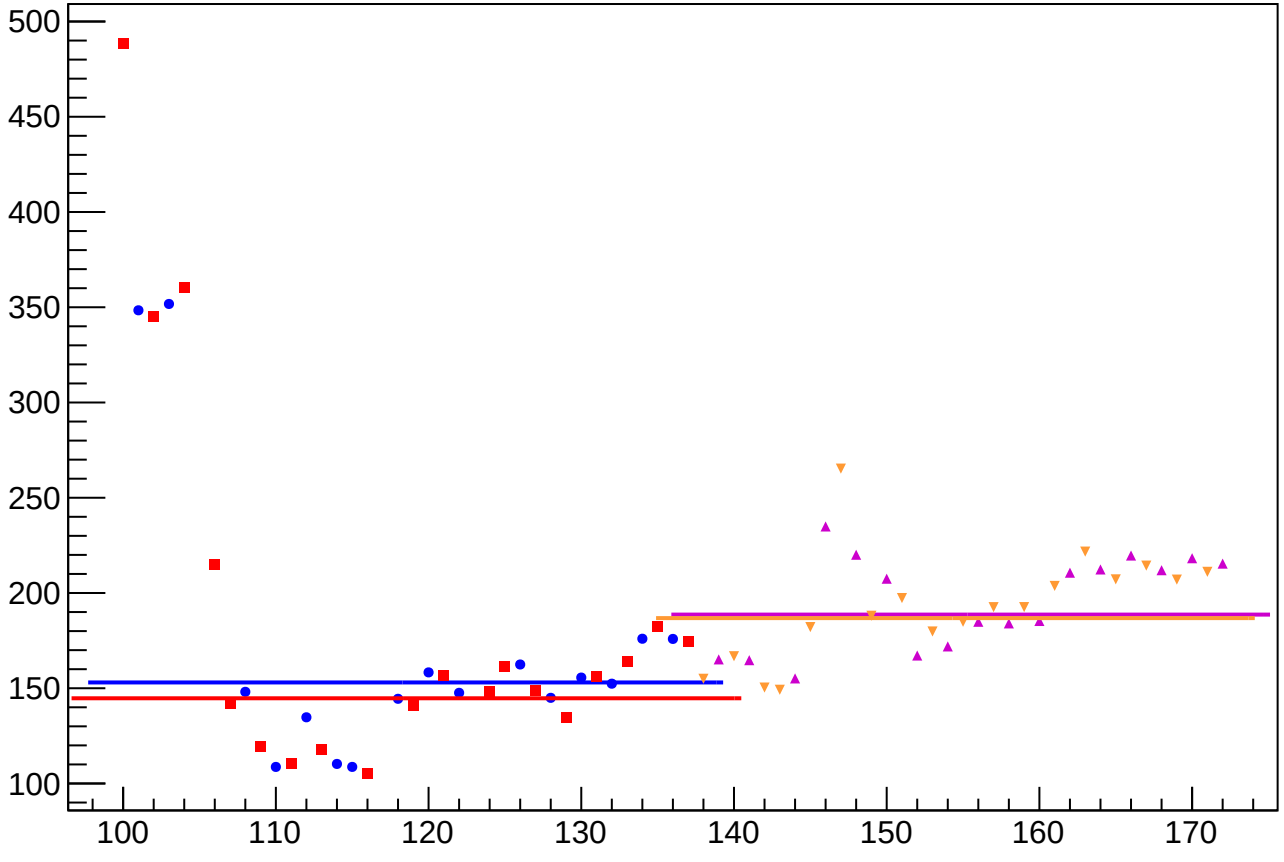
In: 183.420+/-0.029 χ^2/NDF:1706243.4/32

Out: 177.780+/-0.028 χ^2/NDF:2197567.2/36

All: 180.500+/-0.020 χ^2/NDF: 3923076.9/69


yield_bpm0l06WS_mean vs Slug, Sign Corrected
×10^3
134
133
132
131
130
129
128
127
126
100
110
120
130
140
150
160
170
Right In: 131052.422+/-0.061 χ²/NDF: 523713045.8/15
Left Out: 128891.165+/-0.050 χ²/NDF:463461439.5/17
Right Out: 131262.232+/-0.057 χ²/NDF: 604278186.1/18
Left In: 128584.209+/-0.051 χ²/NDF:547394115.2/16
Left: 128740.003+/-0.036 χ²/NDF: 1029067241.2/3
Right: 131164.431+/-0.041 χ²/NDF: 1134382049.3/
In: 129612.470+/-0.039 χ²/NDF:2037618704.0/32
Out: 129940.209+/-0.038 χ²/NDF:2044000840.8/3
All: 129782.520+/-0.027 χ²/NDF: 41179994

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 186.814+/-0.036 χ^2/NDF:520322.0/17

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 188.660+/-0.036 χ^2/NDF:445192.7/16

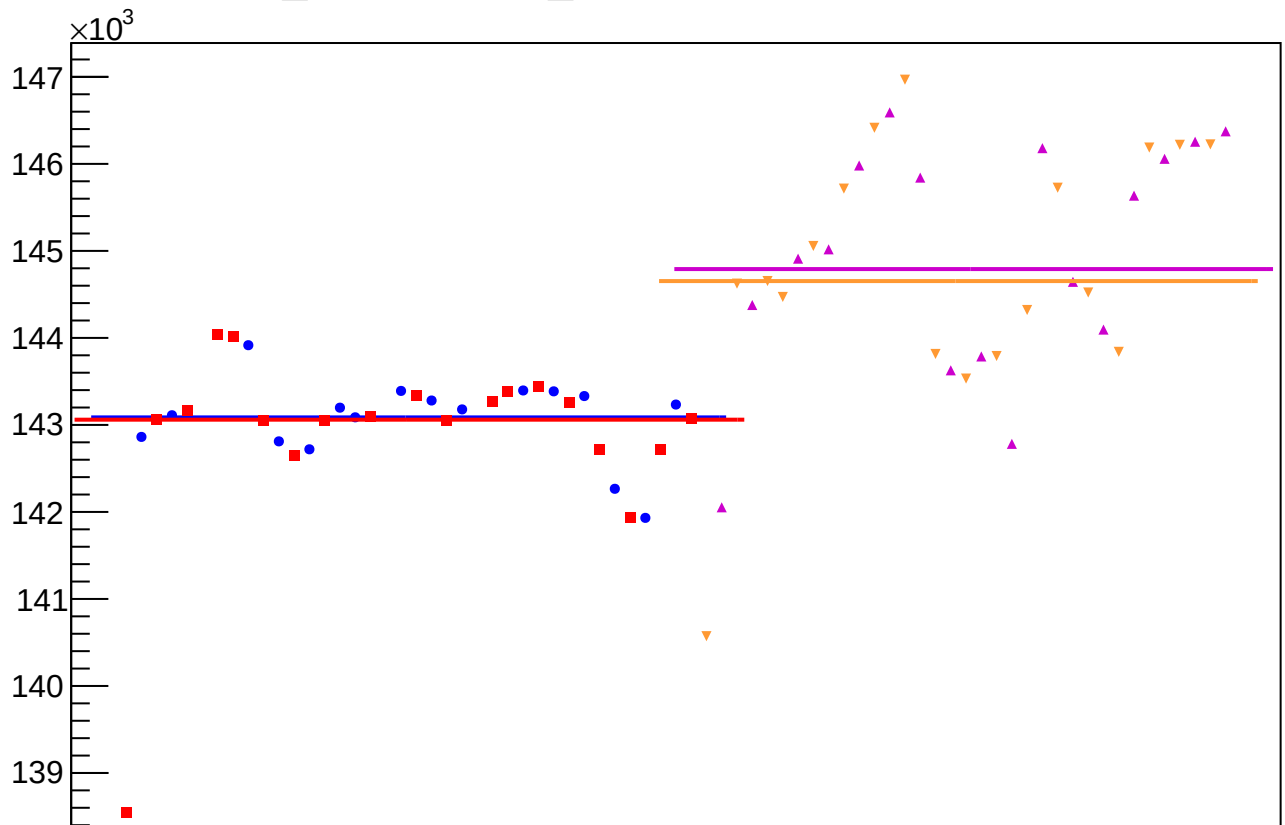
Left: 187.723+/-0.025 χ^2/NDF: 966832.4/34

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 173.822+/-0.028 χ^2/NDF:1907200.3/32

Out: 168.195+/-0.027 χ^2/NDF:2398826.8/36

All: 170.902+/-0.019 χ^2/NDF: 4327475.7/69



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144653.090+/-0.058 χ^2/NDF:720139976.0/17

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: 144721.657+/-0.041 χ^2/NDF: 1266478434.0/3

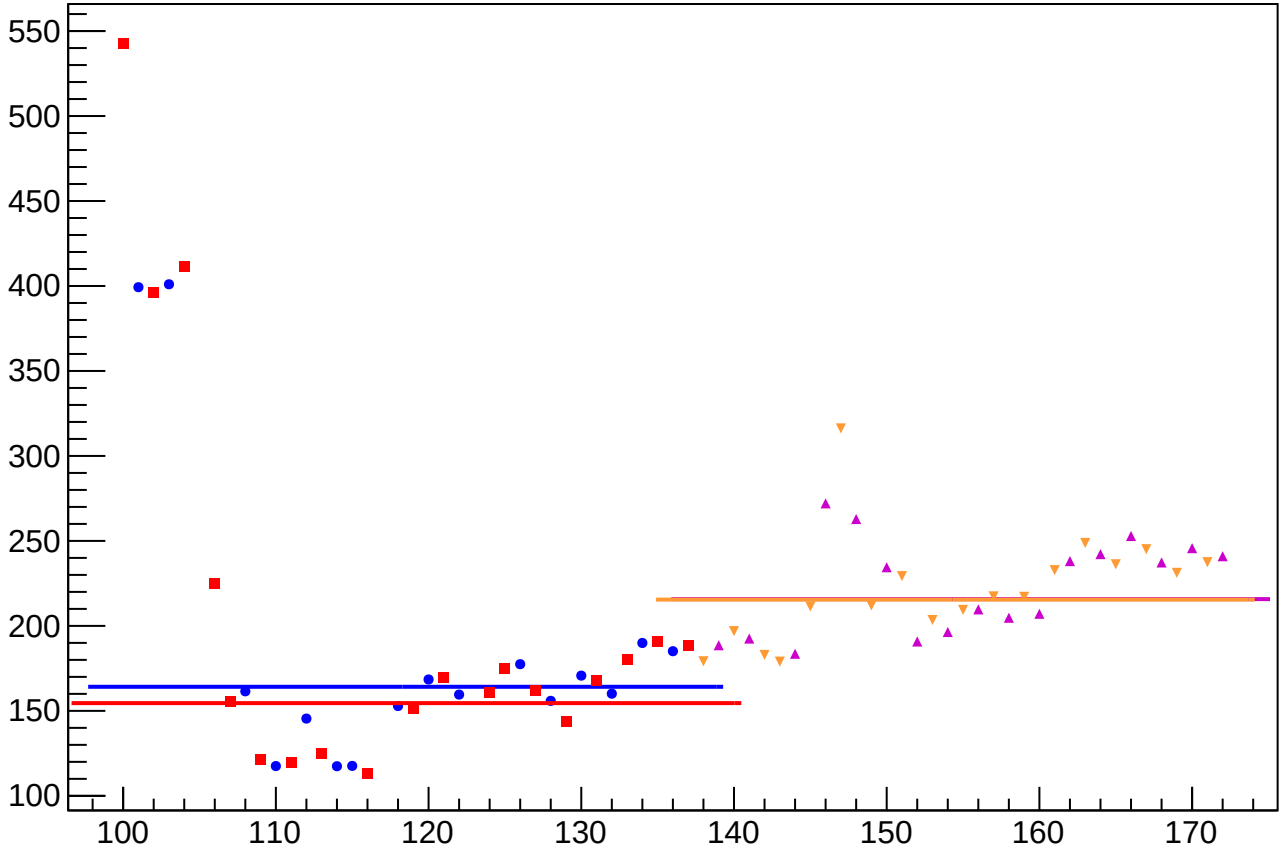
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 144027.719+/-0.044 χ^2/NDF:969066473.8/32

Out: 143889.258+/-0.042 χ^2/NDF:1130759272.6/3

All: 143955.979+/-0.030 χ^2/NDF: 21050620

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 215.465+/-0.041 χ^2/NDF:440804.1/17

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 215.755+/-0.041 χ^2/NDF:414661.1/16

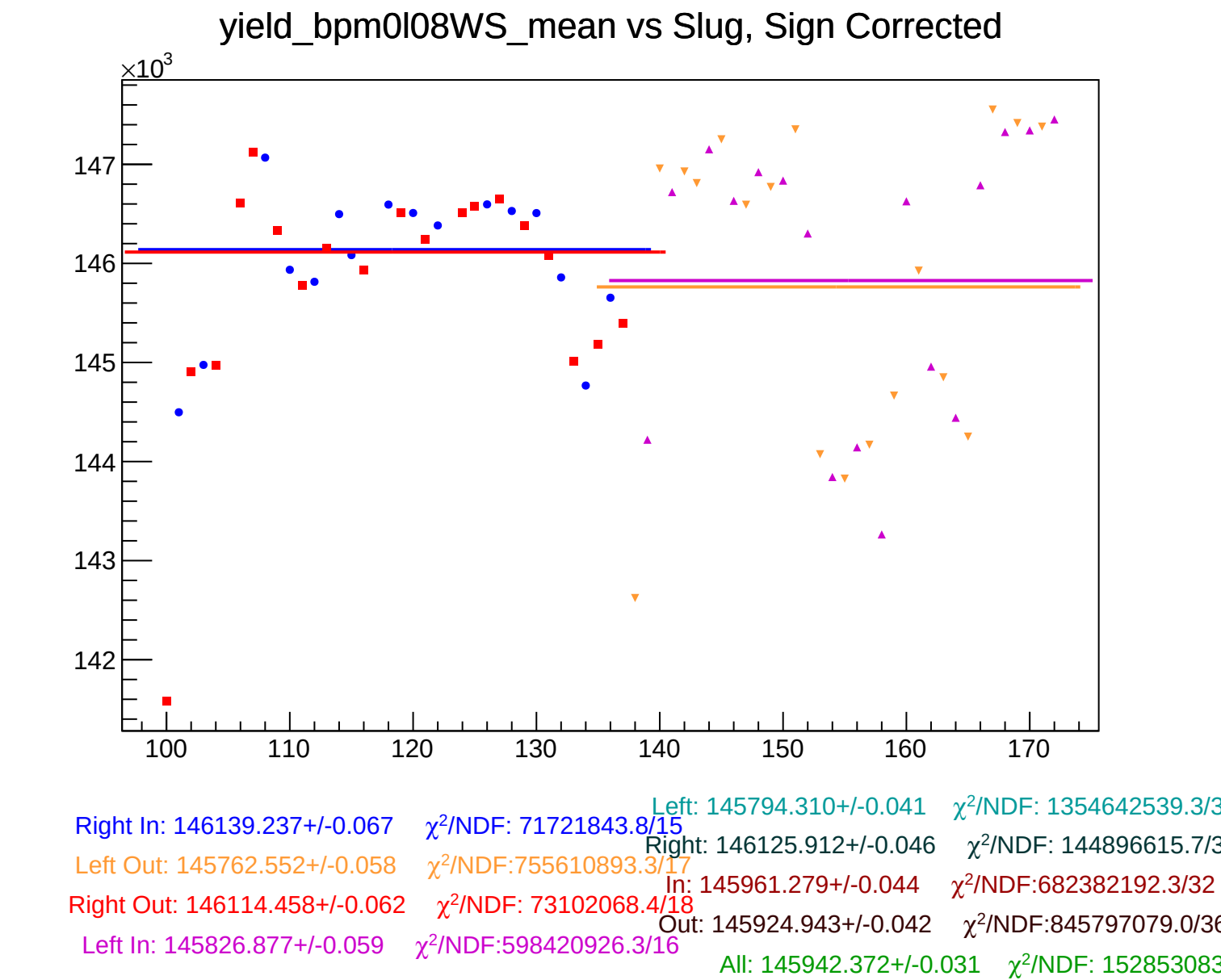
Left: 215.609+/-0.029 χ^2/NDF: 855490.0/34

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

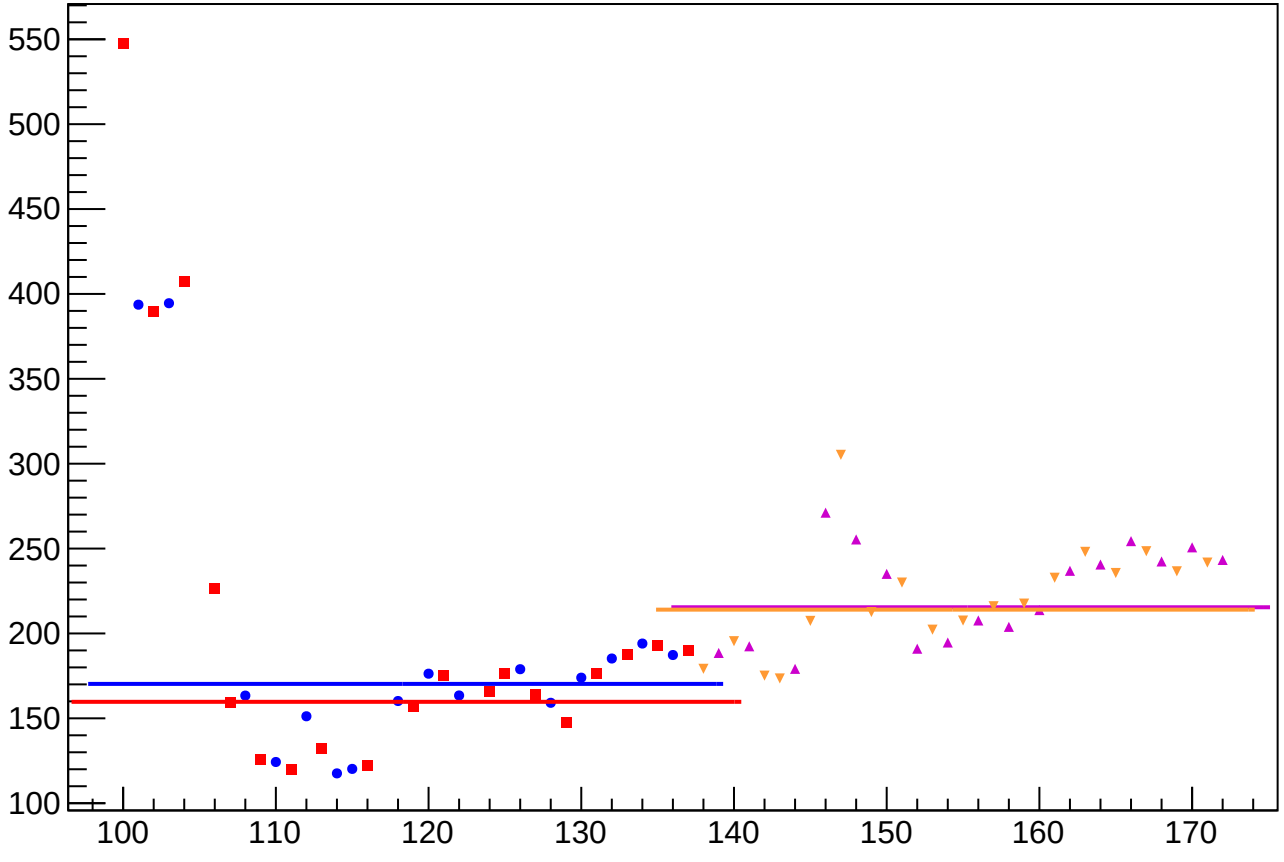
In: 192.652+/-0.031 χ^2/NDF:2238270.2/32

Out: 186.257+/-0.030 χ^2/NDF:2857185.4/36

All: 189.338+/-0.021 χ^2/NDF: 5117792.3/69


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: 145762.552+/-0.058 χ²/NDF:755610893.3/17
Right Out: 146114.458+/-0.062 χ²/NDF: 73102068.4/18
Left In: 145826.877+/-0.059 χ²/NDF:598420926.3/16
Left: 145794.310+/-0.041 χ²/NDF: 1354642539.3/3
Right: 146125.912+/-0.046 χ²/NDF: 144896615.7/3
In: 145961.279+/-0.044 χ²/NDF:682382192.3/32
Out: 145924.943+/-0.042 χ²/NDF:845797079.0/36
All: 145942.372+/-0.031 χ²/NDF: 152853083

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 214.023+/-0.041 χ^2/NDF:481232.8/17

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 215.425+/-0.041 χ^2/NDF:438040.7/16

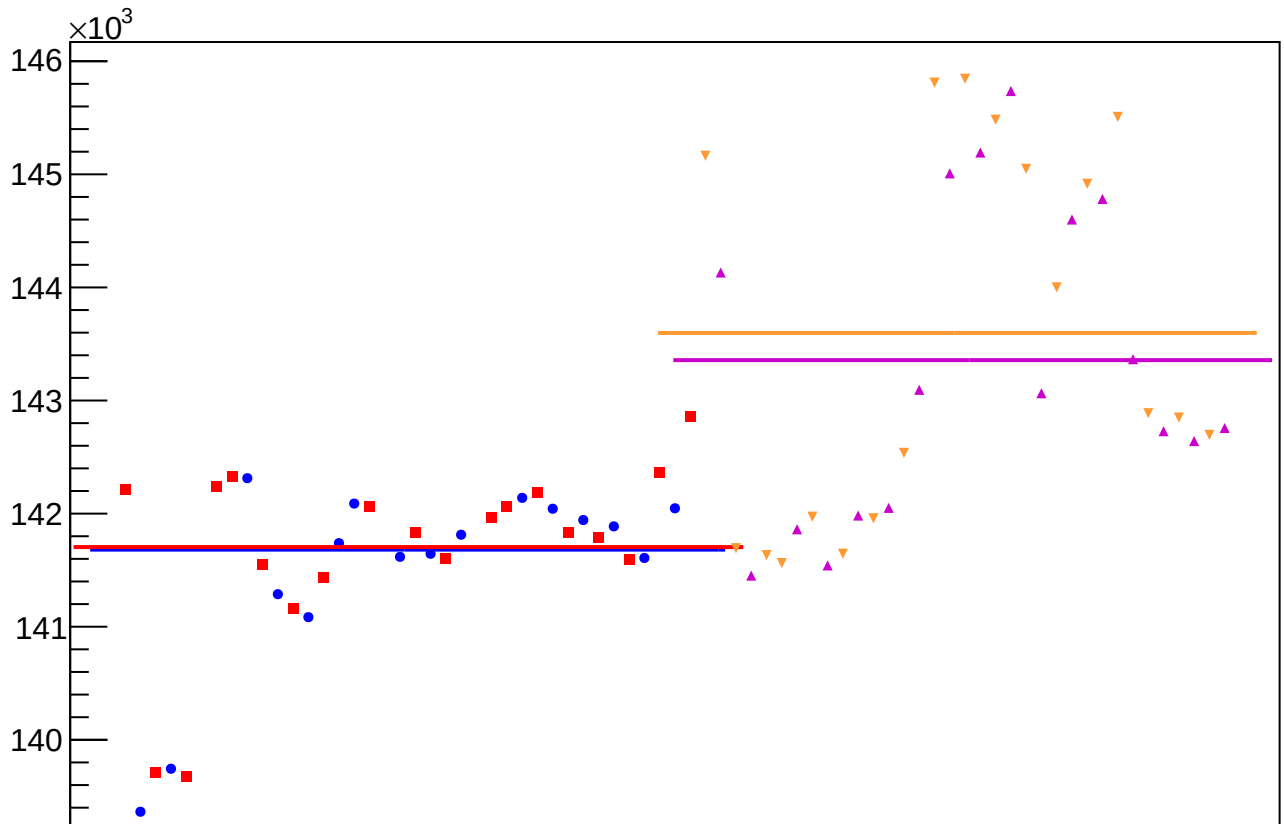
Left: 214.715+/-0.029 χ^2/NDF: 919854.0/34

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 195.999+/-0.031 χ^2/NDF:2007024.2/32

Out: 188.966+/-0.030 χ^2/NDF:2586001.6/36

All: 192.340+/-0.022 χ^2/NDF: 4619370.5/69



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143597.601+/-0.060 χ^2/NDF:723771852.2/17

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: 143477.496+/-0.043 χ^2/NDF: 1239423304.6/3

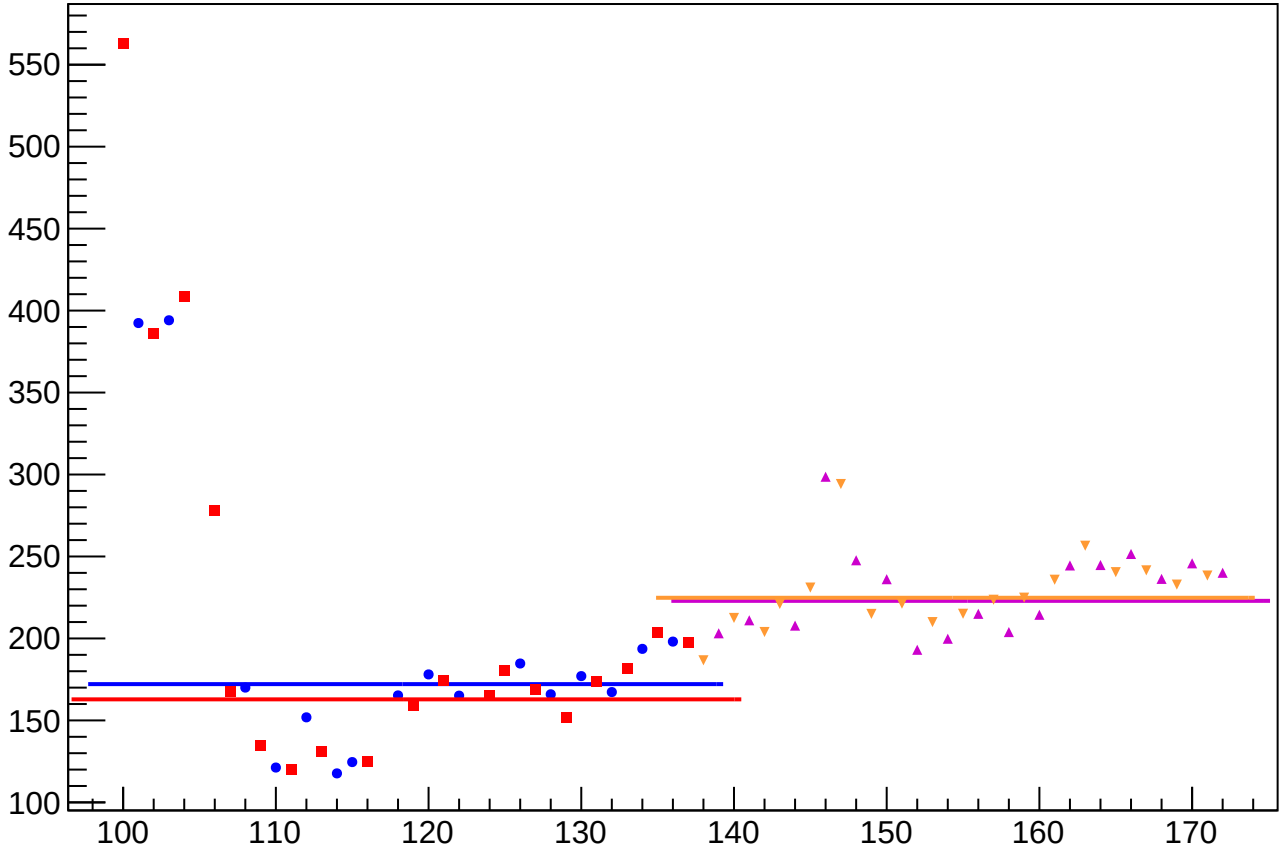
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 142620.292+/-0.045 χ^2/NDF:909357587.9/32

Out: 142702.091+/-0.044 χ^2/NDF:1253580470.4/3

All: 142662.480+/-0.032 χ^2/NDF: 216462146

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 224.809+/-0.043 χ^2/NDF:235186.4/17

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 222.935+/-0.043 χ^2/NDF:310878.7/16

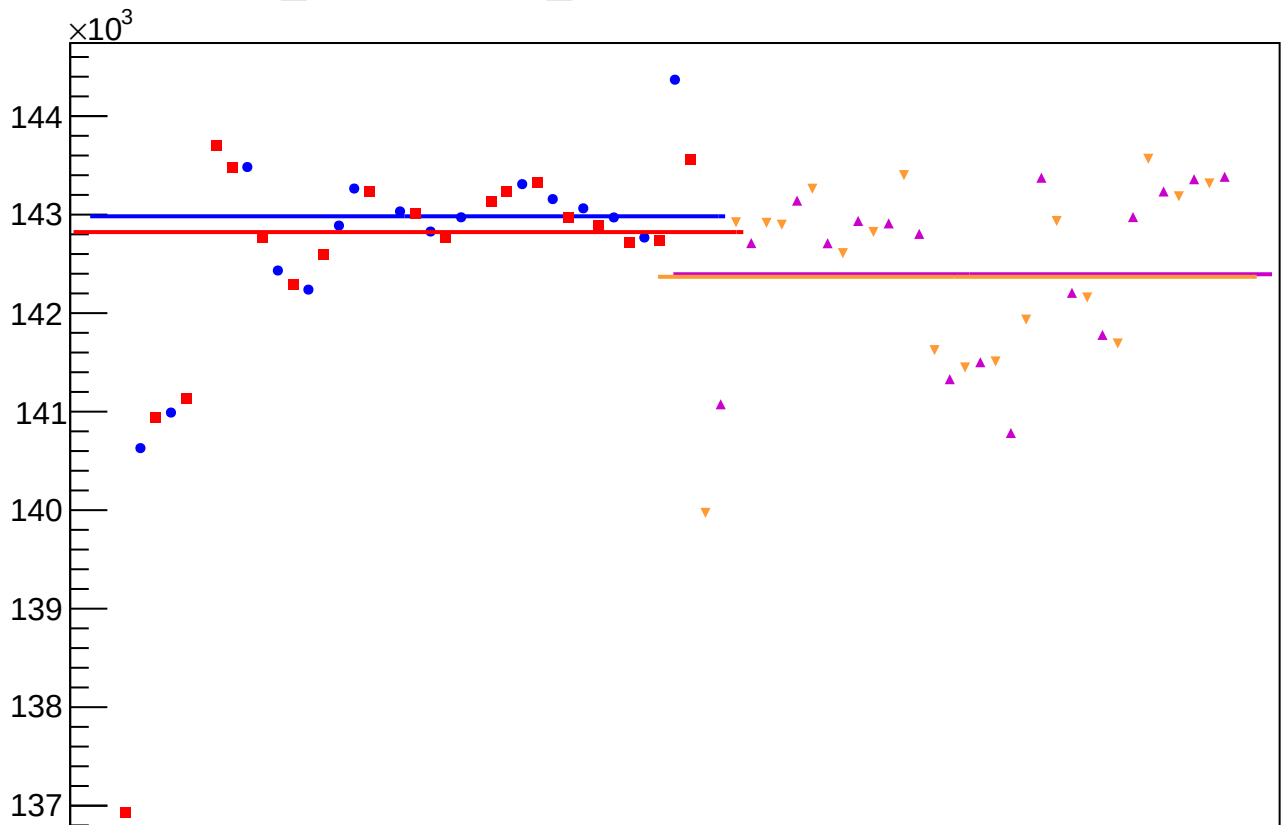
Left: 223.873+/-0.030 χ^2/NDF: 547026.0/34

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 200.593+/-0.032 χ^2/NDF:1999698.4/32

Out: 195.503+/-0.031 χ^2/NDF:2535553.0/36

All: 197.968+/-0.022 χ^2/NDF: 4548291.5/69



Right In: 142983.006+/-0.069 χ^2/NDF: 107696217.2/15

Left Out: 142368.809+/-0.057 χ^2/NDF:299817558.2/17

Right Out: 142822.727+/-0.064 χ^2/NDF: 63581232.6/18

Left In: 142394.684+/-0.057 χ^2/NDF:238295897.4/16

Left: 142381.585+/-0.040 χ^2/NDF: 538216672.0/34

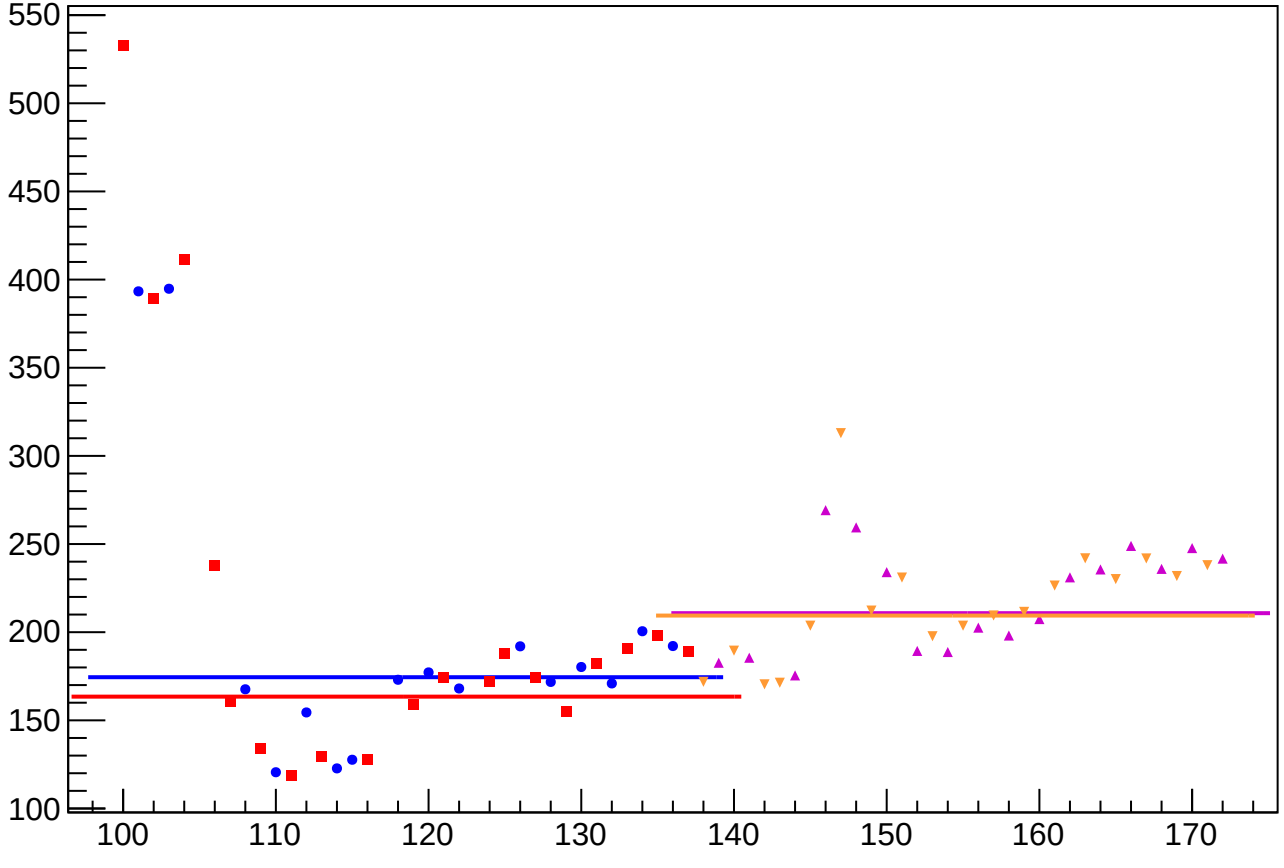
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142634.383+/-0.044 χ^2/NDF:388934184.9/32

Out: 142567.876+/-0.042 χ^2/NDF:391612965.3/36

All: 142599.816+/-0.031 χ^2/NDF: 781728532

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 209.430+/-0.040 χ^2/NDF:531071.1/17

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 210.788+/-0.041 χ^2/NDF:488804.2/16

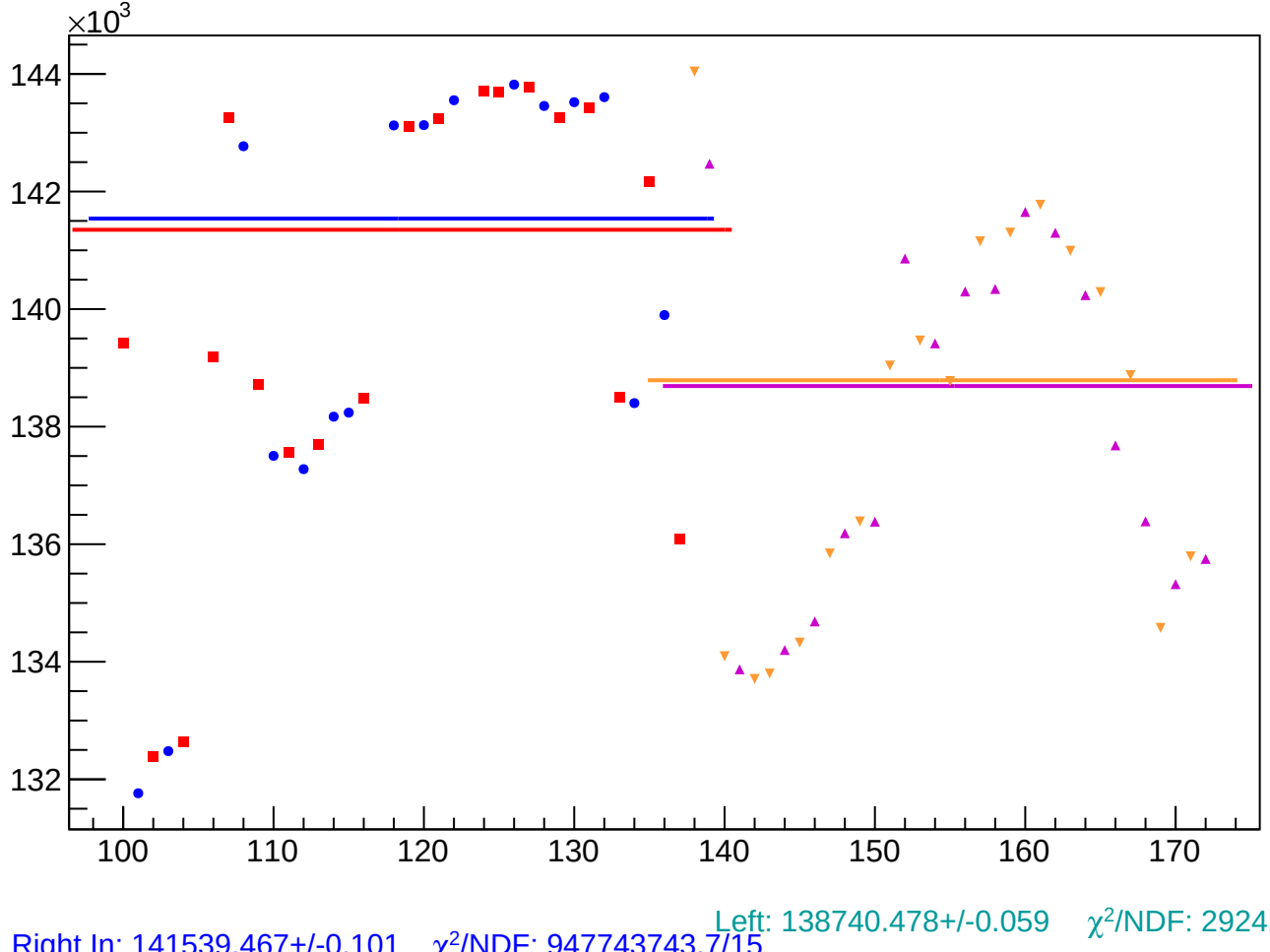
Left: 210.101+/-0.028 χ^2/NDF: 1020443.6/34

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

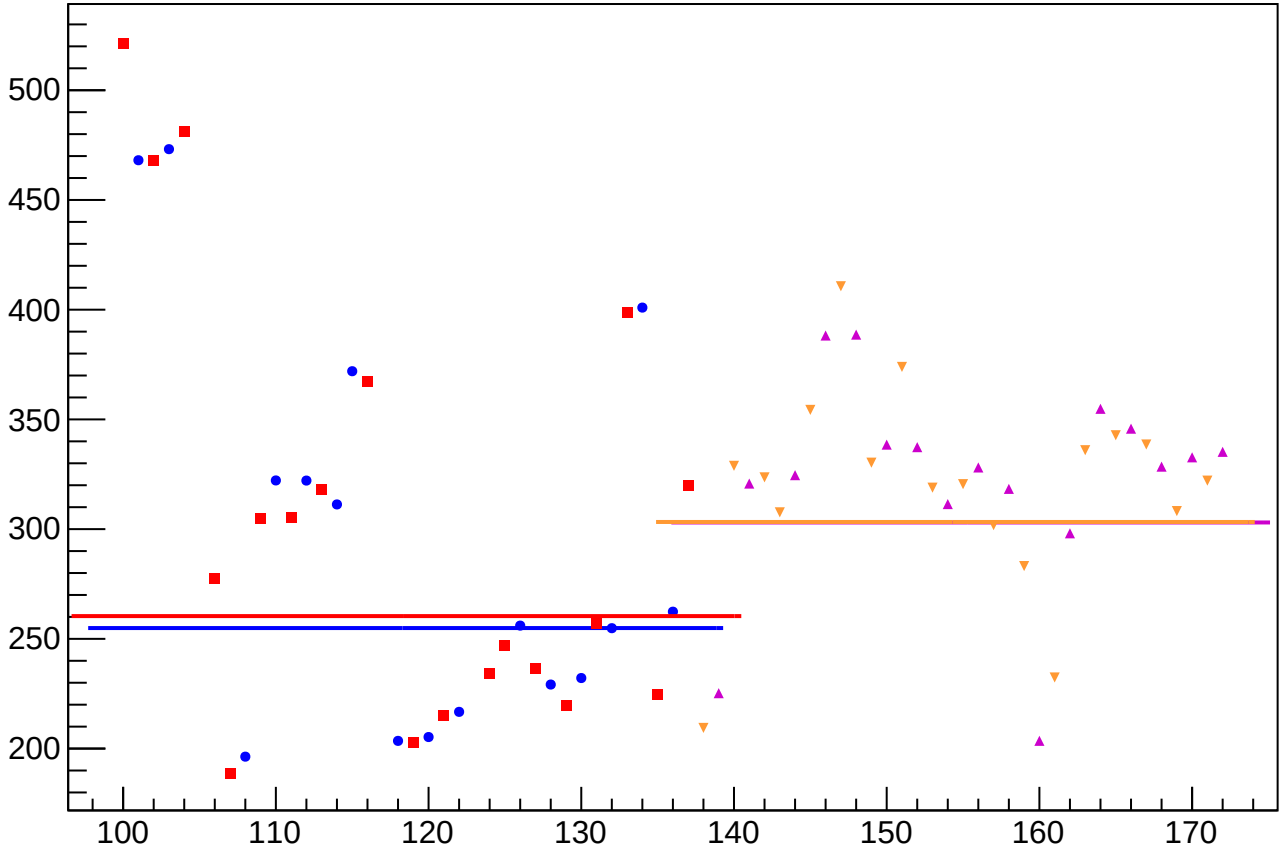
In: 195.990+/-0.031 χ^2/NDF:1865269.2/32

Out: 189.265+/-0.030 χ^2/NDF:2392620.4/36

All: 192.494+/-0.022 χ^2/NDF: 4282047.9/69


yield_bpm0r03WS_mean vs Slug, Sign Corrected
×10^3
144
142
140
138
136
134
132
100
110
120
130
140
150
160
170
Right In: 141539.467+/-0.101 χ²/NDF: 947743743.7/15
Left Out: 138789.303+/-0.083 χ²/NDF:1660093282.6/17
Right Out: 141349.499+/-0.101 χ²/NDF: 926661757.9/18
Left In: 138690.661+/-0.083 χ²/NDF:1263396301.3/16
Left: 138740.478+/-0.059 χ²/NDF: 2924194452.7/3
Right: 141444.713+/-0.071 χ²/NDF: 1876176691.0/
In: 139849.787+/-0.064 χ²/NDF:2684787430.3/32
Out: 139815.613+/-0.064 χ²/NDF:2971304499.6/3
All: 139832.614+/-0.045 χ²/NDF: 56562338

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 303.263+/-0.058 χ^2/NDF:751589.9/17

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 303.037+/-0.059 χ^2/NDF:887771.6/16

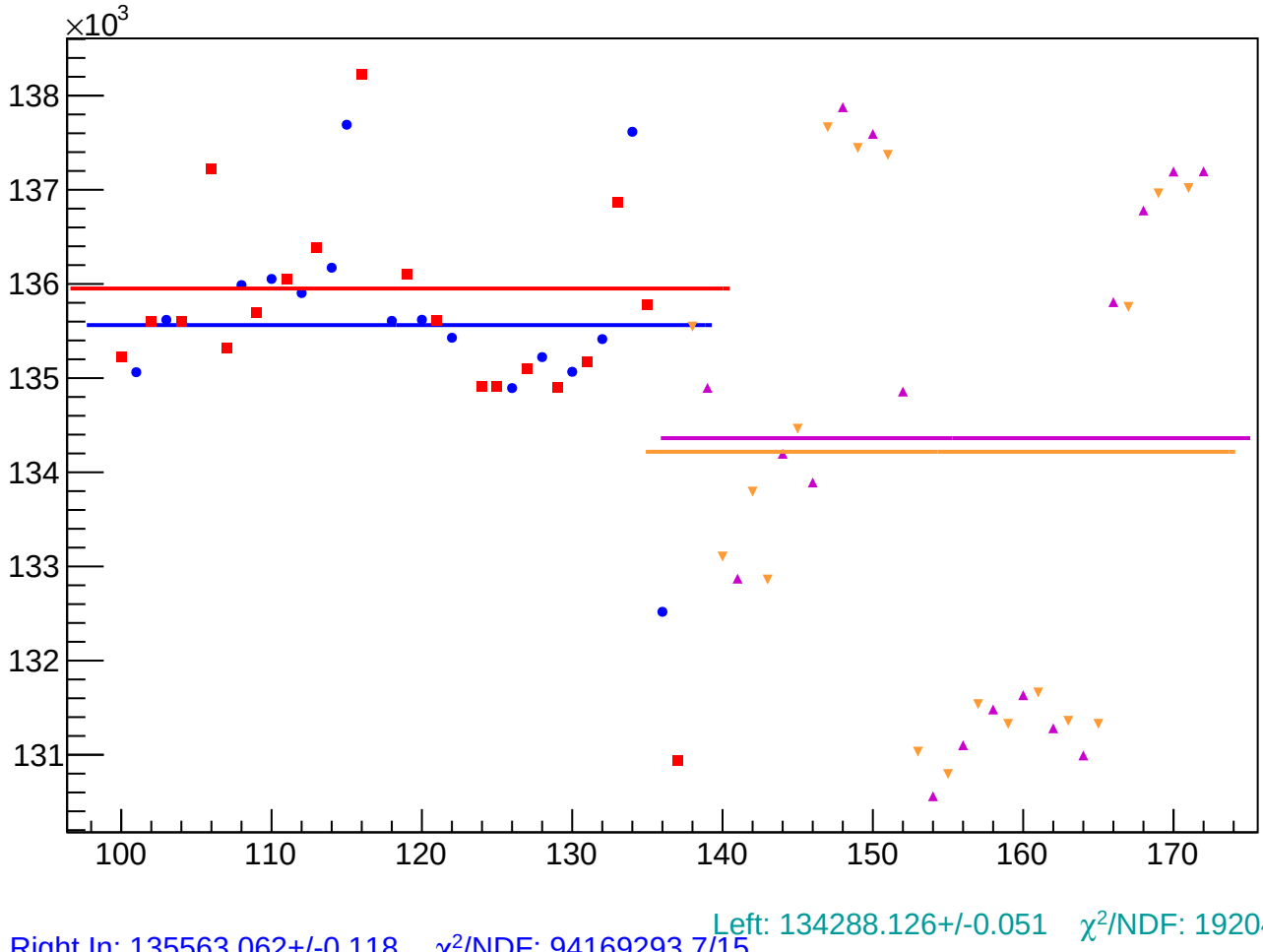
Left: 303.151+/-0.042 χ^2/NDF: 1639368.9/34

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

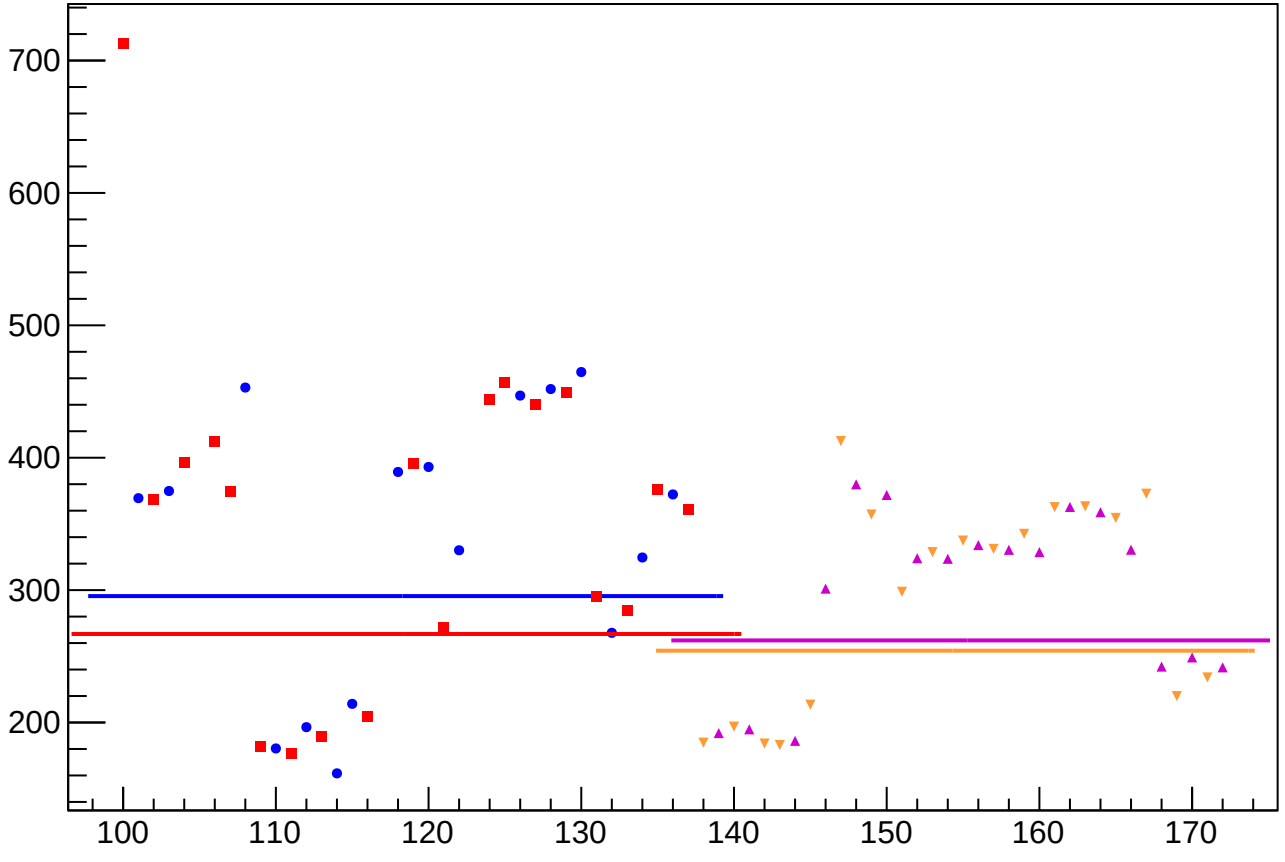
In: 283.459+/-0.045 χ^2/NDF:2107976.6/32

Out: 286.068+/-0.045 χ^2/NDF:1960780.4/36

All: 284.770+/-0.032 χ^2/NDF: 4070411.4/69


yield_bpm0r05WS_mean vs Slug, Sign Corrected
×10^3
138
137
136
135
134
133
132
131
100
110
120
130
140
150
160
170
Right In: 135563.062+/-0.118 χ²/NDF: 94169293.7/15
Left Out: 134217.880+/-0.071 χ²/NDF:981090596.2/17
Right Out: 135951.486+/-0.106 χ²/NDF: 91577209.6/18
Left In: 134362.490+/-0.073 χ²/NDF:937322927.9/16
Left: 134288.126+/-0.051 χ²/NDF: 1920427651.2/3
Right: 135777.958+/-0.079 χ²/NDF: 191705440.0/3
In: 134693.812+/-0.062 χ²/NDF:1105994243.4/32
Out: 134752.496+/-0.059 χ²/NDF:1256431473.4/3
All: 134724.660+/-0.043 χ²/NDF: 23628940

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 254.245+/-0.050 χ^2/NDF:2162759.7/17

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 262.003+/-0.052 χ^2/NDF:1682741.2/16

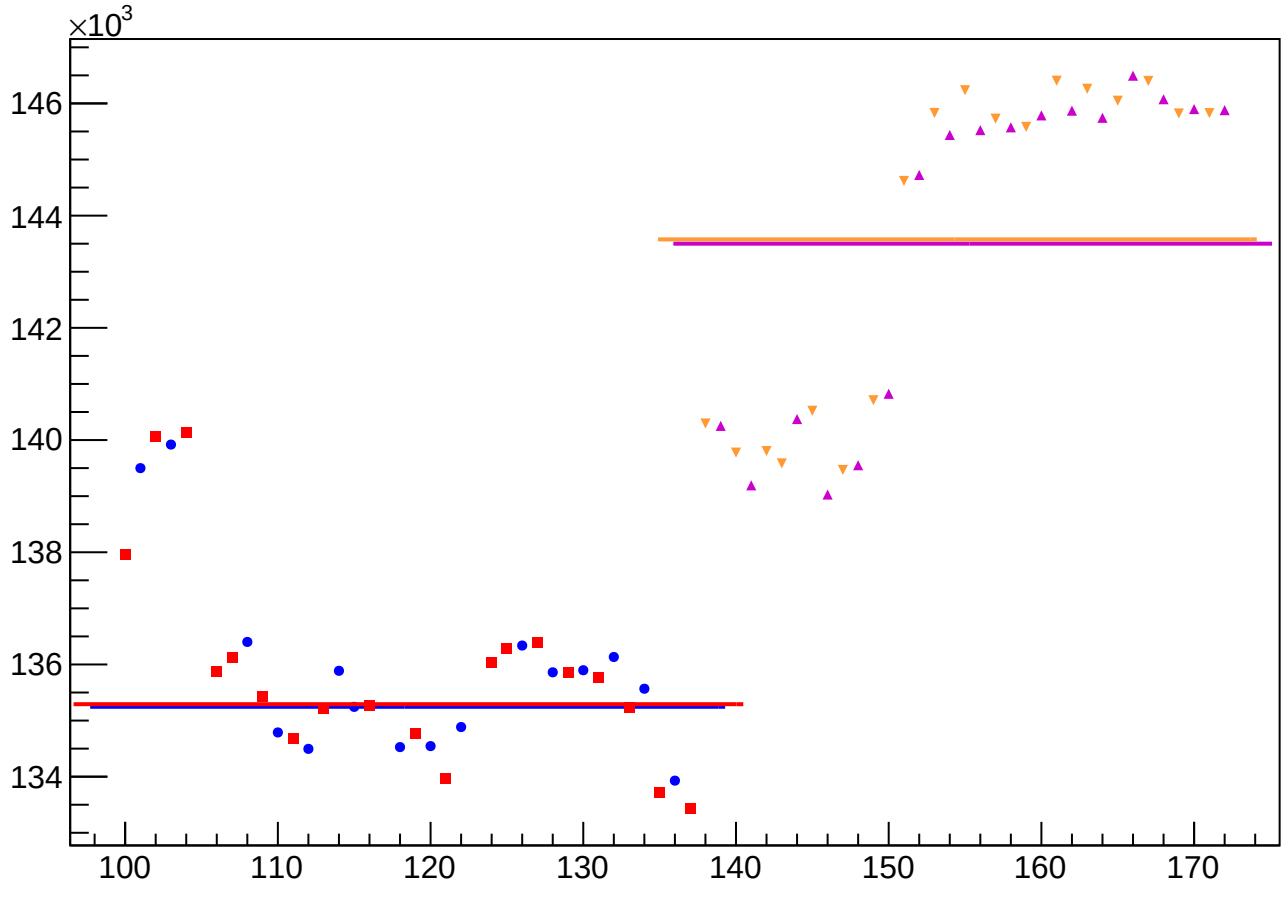
Left: 258.014+/-0.036 χ^2/NDF: 3857095.4/34

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

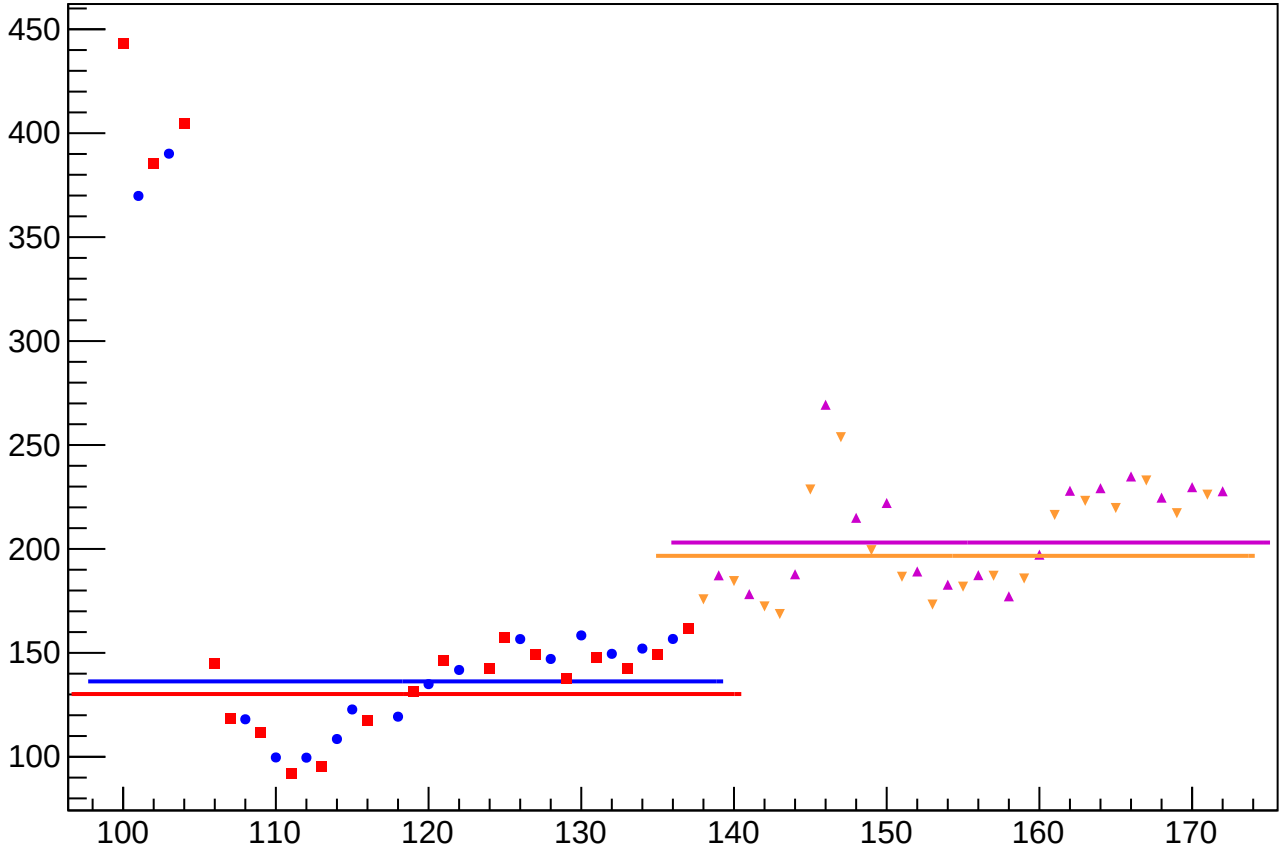
In: 271.242+/-0.044 χ^2/NDF:3241137.1/32

Out: 258.136+/-0.042 χ^2/NDF:3860306.8/36

All: 264.353+/-0.030 χ^2/NDF: 7148156.8/69


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: 143576.436+/-0.053 χ²/NDF:2927346799.7/17
Right Out: 135291.851+/-0.052 χ²/NDF: 381790556.0/18
Left In: 143500.021+/-0.055 χ²/NDF:2615087014.0/16
Left: 143539.696+/-0.038 χ²/NDF: 5543430101.1/3
Right: 135270.332+/-0.038 χ²/NDF: 770541555.9/3
In: 139339.960+/-0.039 χ²/NDF:14287020425.2/3
Out: 139328.718+/-0.037 χ²/NDF:15797210240.1
All: 139334.073+/-0.027 χ²/NDF: 300842745

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 196.682+/-0.038 χ^2/NDF:385373.5/17

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 203.080+/-0.039 χ^2/NDF:368660.4/16

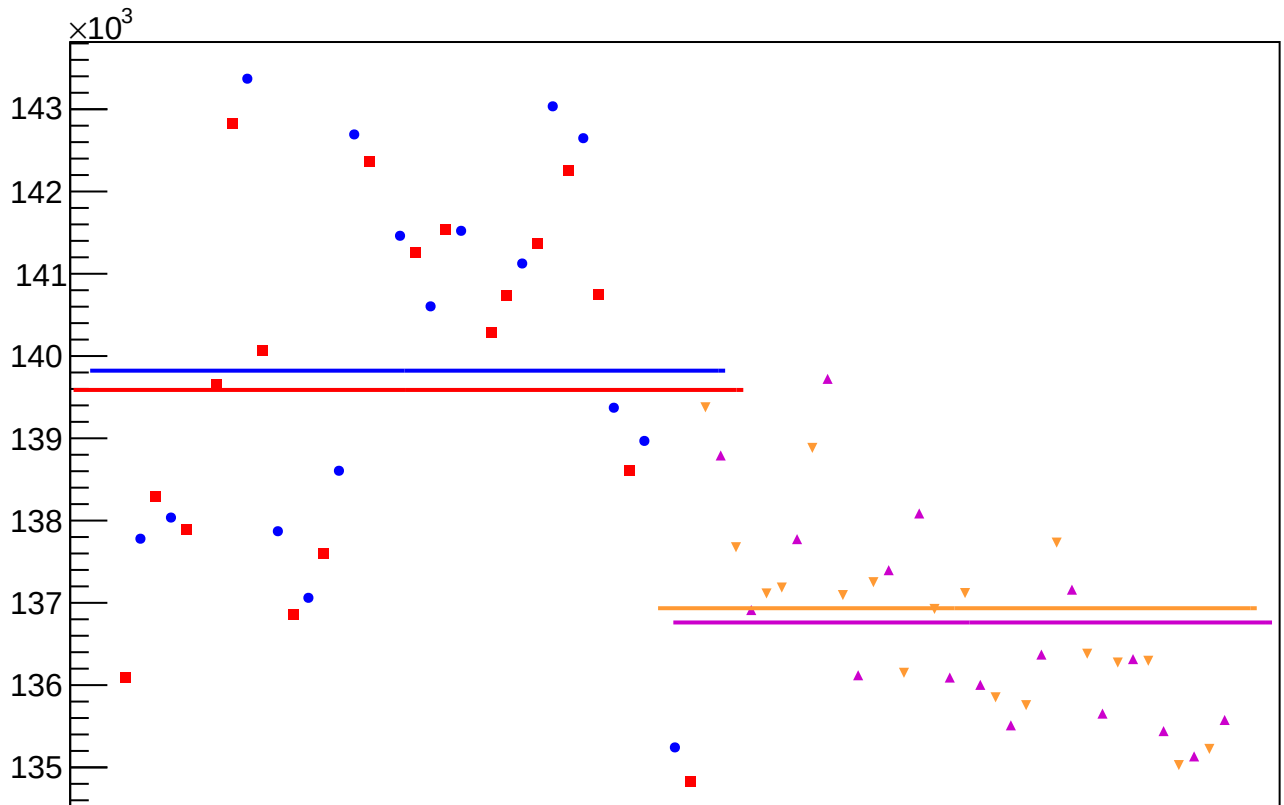
Left: 199.758+/-0.027 χ^2/NDF: 768004.0/34

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 169.414+/-0.027 χ^2/NDF:3230679.1/32

Out: 162.598+/-0.026 χ^2/NDF:3514316.7/36

All: 165.845+/-0.019 χ^2/NDF: 6777233.0/69



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 136934.641+/-0.055 χ^2/NDF:433743391.6/17

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

Left In: 136761.334+/-0.056 χ^2/NDF:464548519.4/16

Left: 136849.809+/-0.039 χ^2/NDF: 903208845.9/34

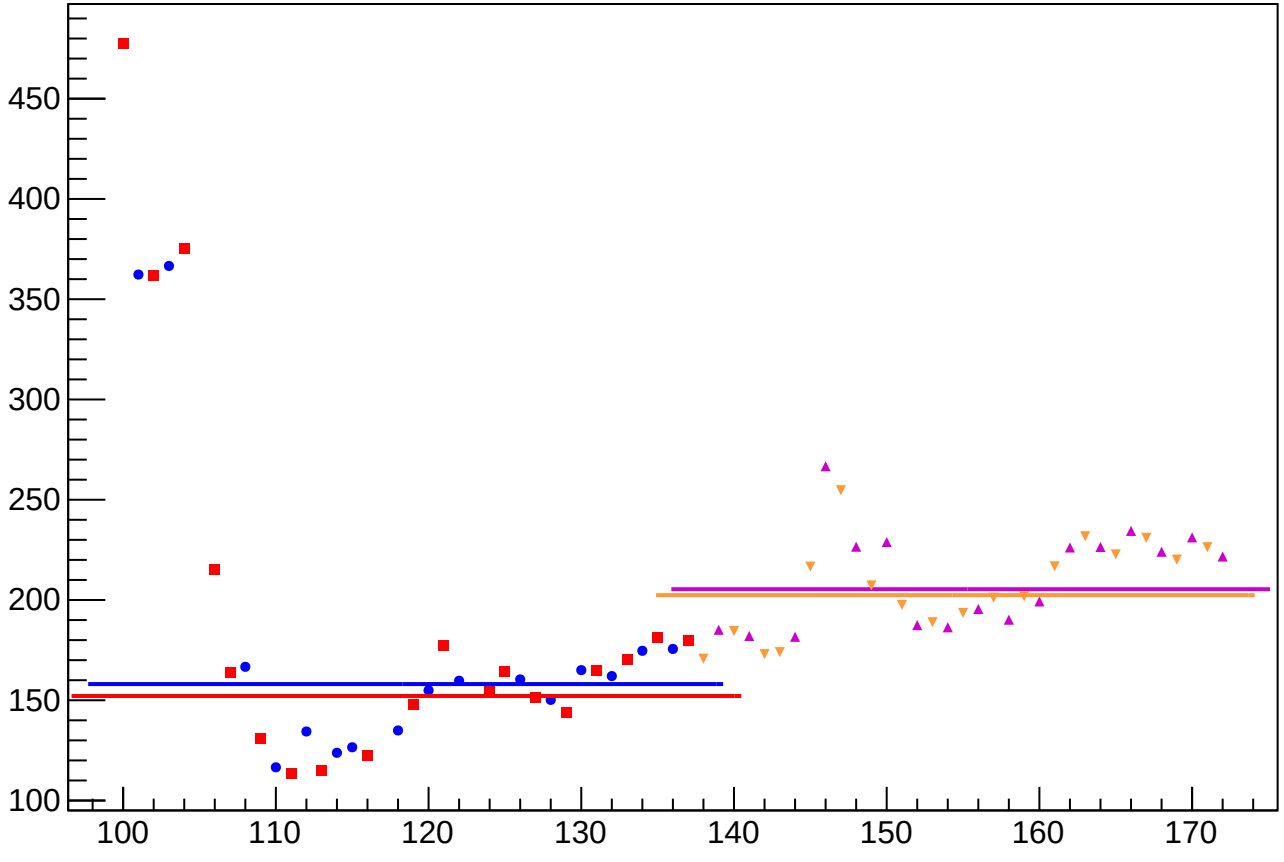
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 138117.893+/-0.042 χ^2/NDF:3459386747.3/32

Out: 138144.491+/-0.040 χ^2/NDF:2990236713.5/3

All: 138131.626+/-0.029 χ^2/NDF: 64498338

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 202.430+/-0.039 χ^2/NDF:318414.1/17

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 205.389+/-0.039 χ^2/NDF:333601.8/16

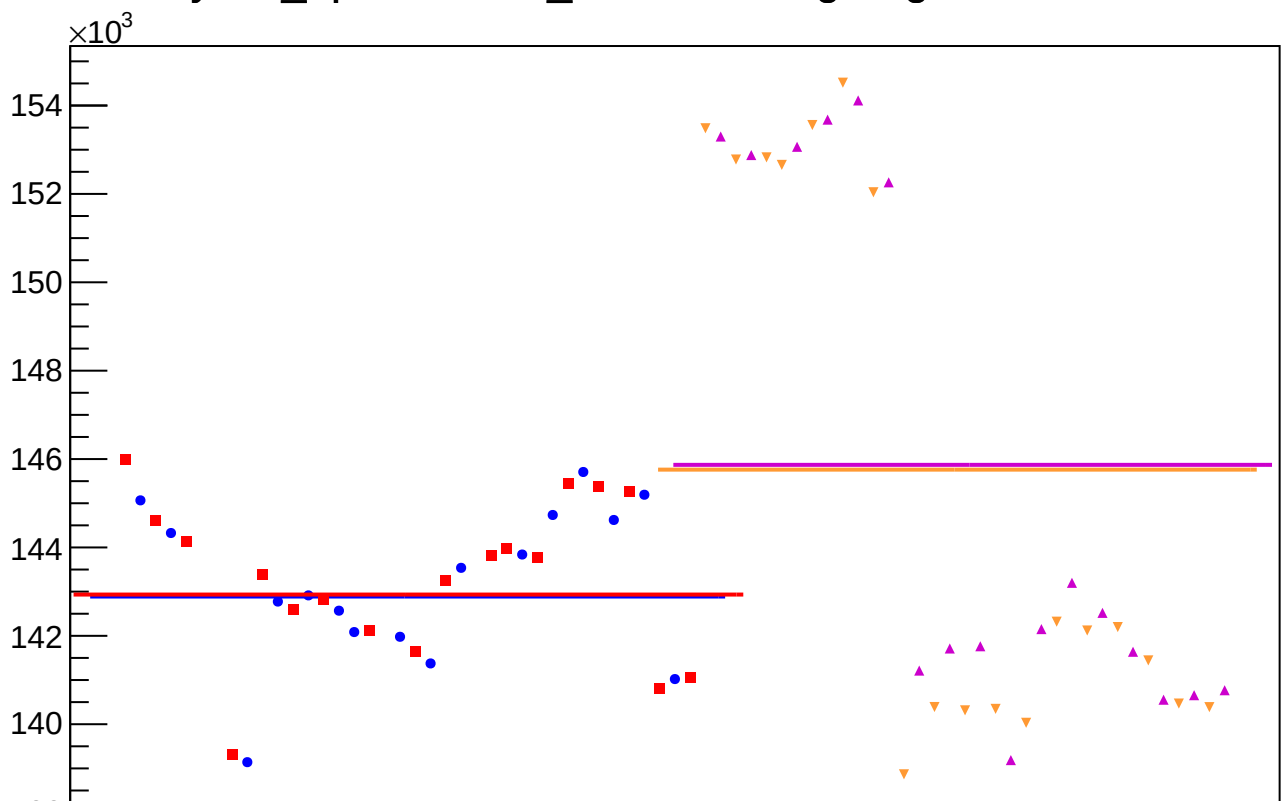
Left: 203.879+/-0.028 χ^2/NDF: 654882.6/34

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 184.421+/-0.029 χ^2/NDF:1987732.6/32

Out: 179.498+/-0.029 χ^2/NDF:2318885.9/36

All: 181.879+/-0.020 χ^2/NDF: 4321033.7/69



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 145760.905+/-0.055 χ^2/NDF:12376646391.0/17

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 145869.050+/-0.057 χ^2/NDF:10668102525.6/16

Left: 145813.738+/-0.040 χ^2/NDF: 23046616171.0

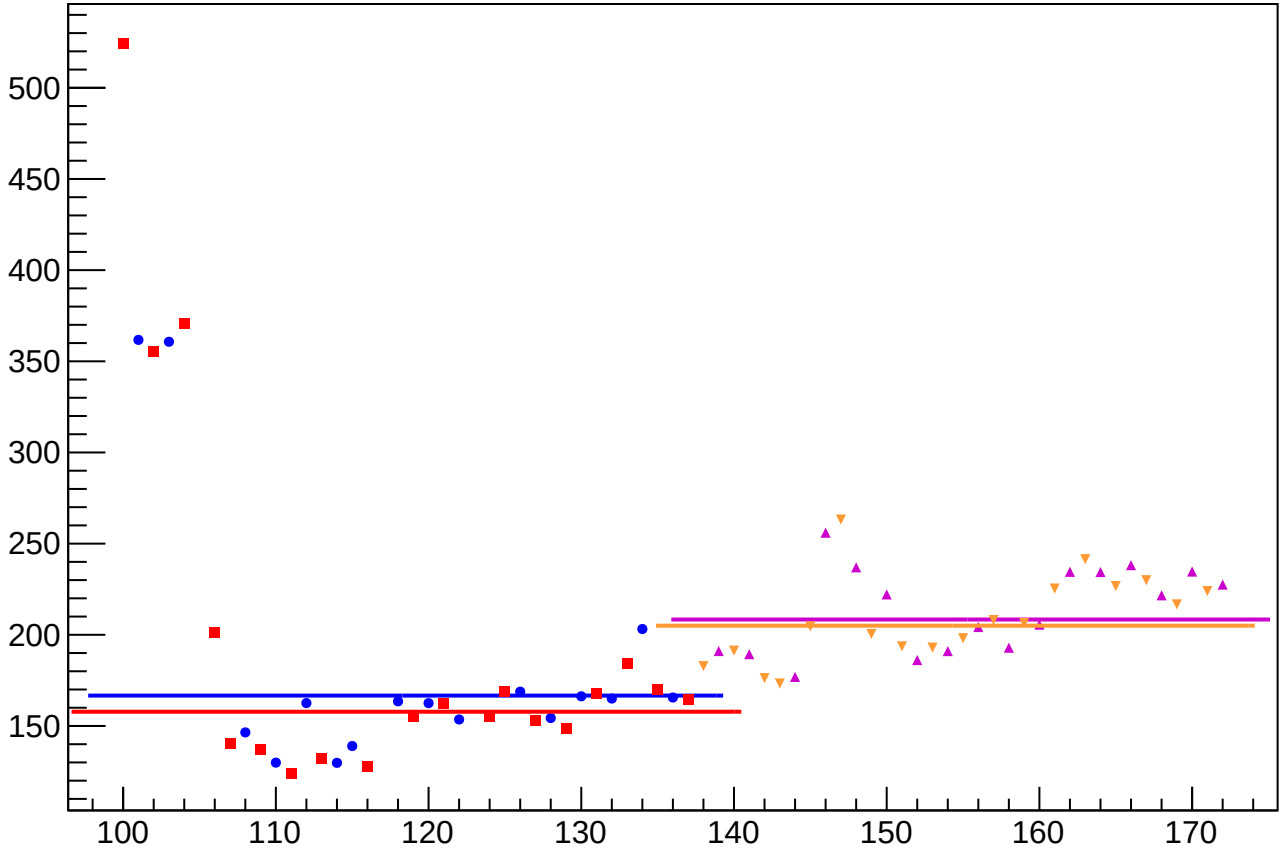
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 144599.382+/-0.043 χ^2/NDF:12612360412.3/3

Out: 144497.446+/-0.041 χ^2/NDF:14331305301.2/

All: 144546.305+/-0.030 χ^2/NDF: 26946086

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 205.005+/-0.039 χ^2/NDF:297107.1/17

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 208.386+/-0.040 χ^2/NDF:317186.9/16

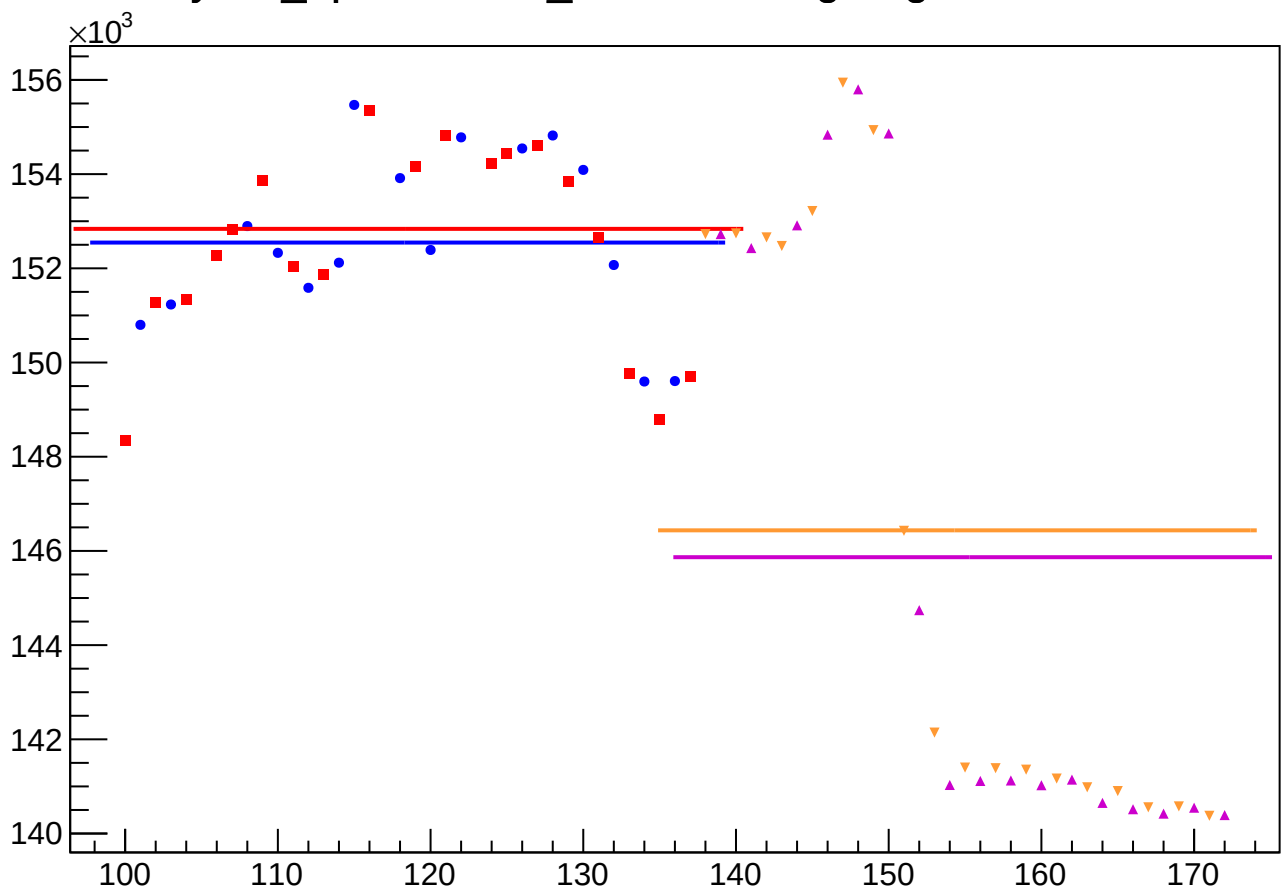
Left: 206.657+/-0.028 χ^2/NDF: 617943.2/34

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 190.605+/-0.030 χ^2/NDF:1644012.1/32

Out: 183.912+/-0.029 χ^2/NDF:1970113.6/36

All: 187.120+/-0.021 χ^2/NDF: 3639494.9/69



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 146437.106+/-0.055 χ^2/NDF:11410697491.8/17

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: 146157.775+/-0.039 χ^2/NDF: 23104590260.0

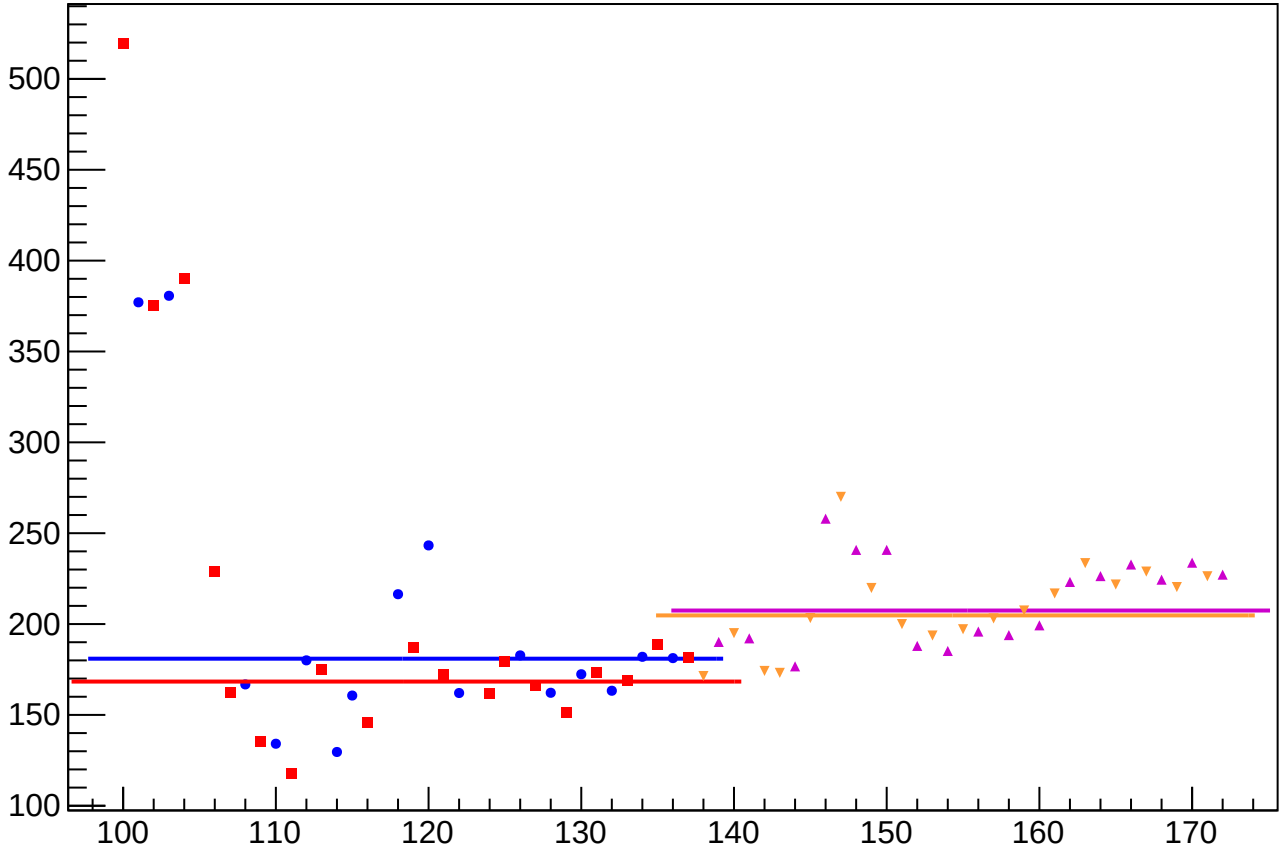
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 148369.790+/-0.044 χ^2/NDF:17587660178.0/3

Out: 149034.192+/-0.042 χ^2/NDF:17626692464.3

All: 148717.179+/-0.031 χ^2/NDF: 353311743

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 204.759+/-0.039 χ^2/NDF:330908.7/17

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 207.450+/-0.040 χ^2/NDF:342606.9/16

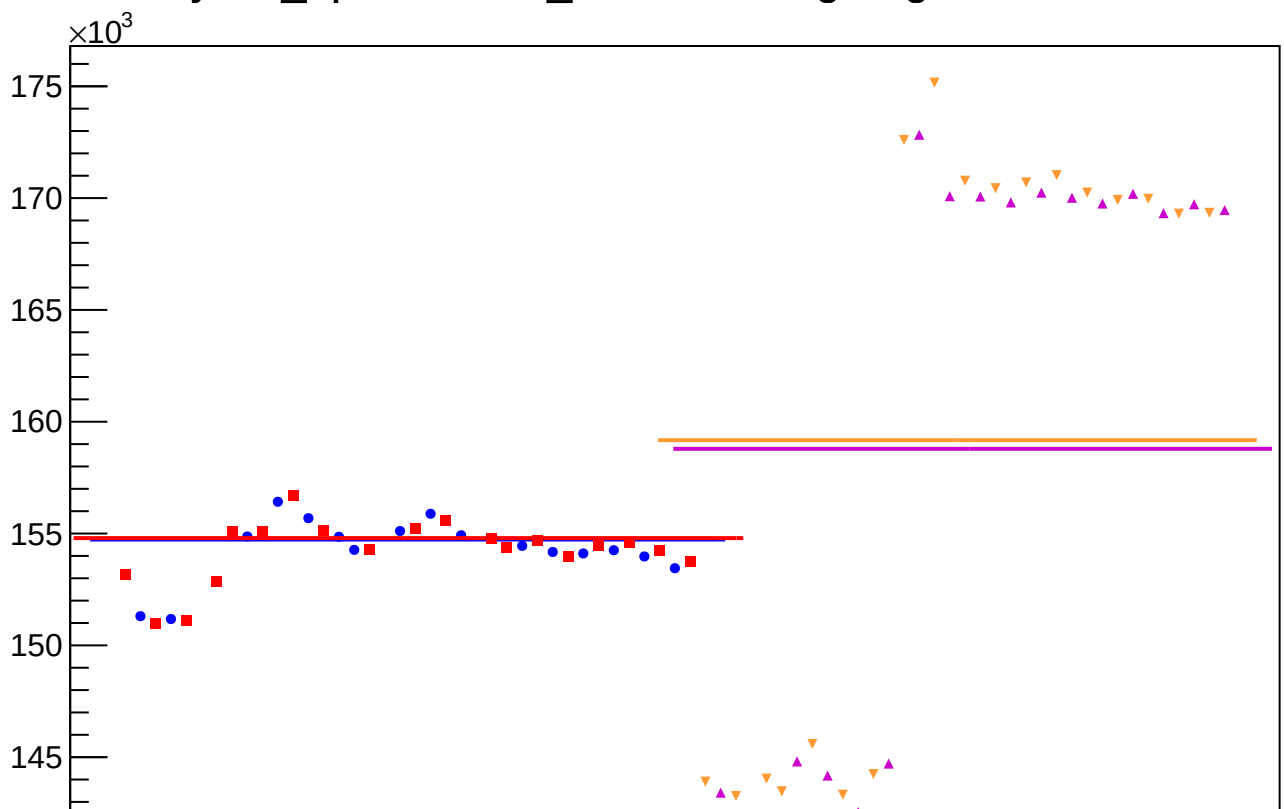
Left: 206.077+/-0.028 χ^2/NDF: 675854.2/34

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 197.517+/-0.031 χ^2/NDF:1417069.4/32

Out: 189.986+/-0.030 χ^2/NDF:1774577.5/36

All: 193.579+/-0.022 χ^2/NDF: 3221663.3/69



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 159175.904+/-0.052 χ^2/NDF:68893745258.9/17

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: 158987.696+/-0.037 χ^2/NDF: 130866647195.

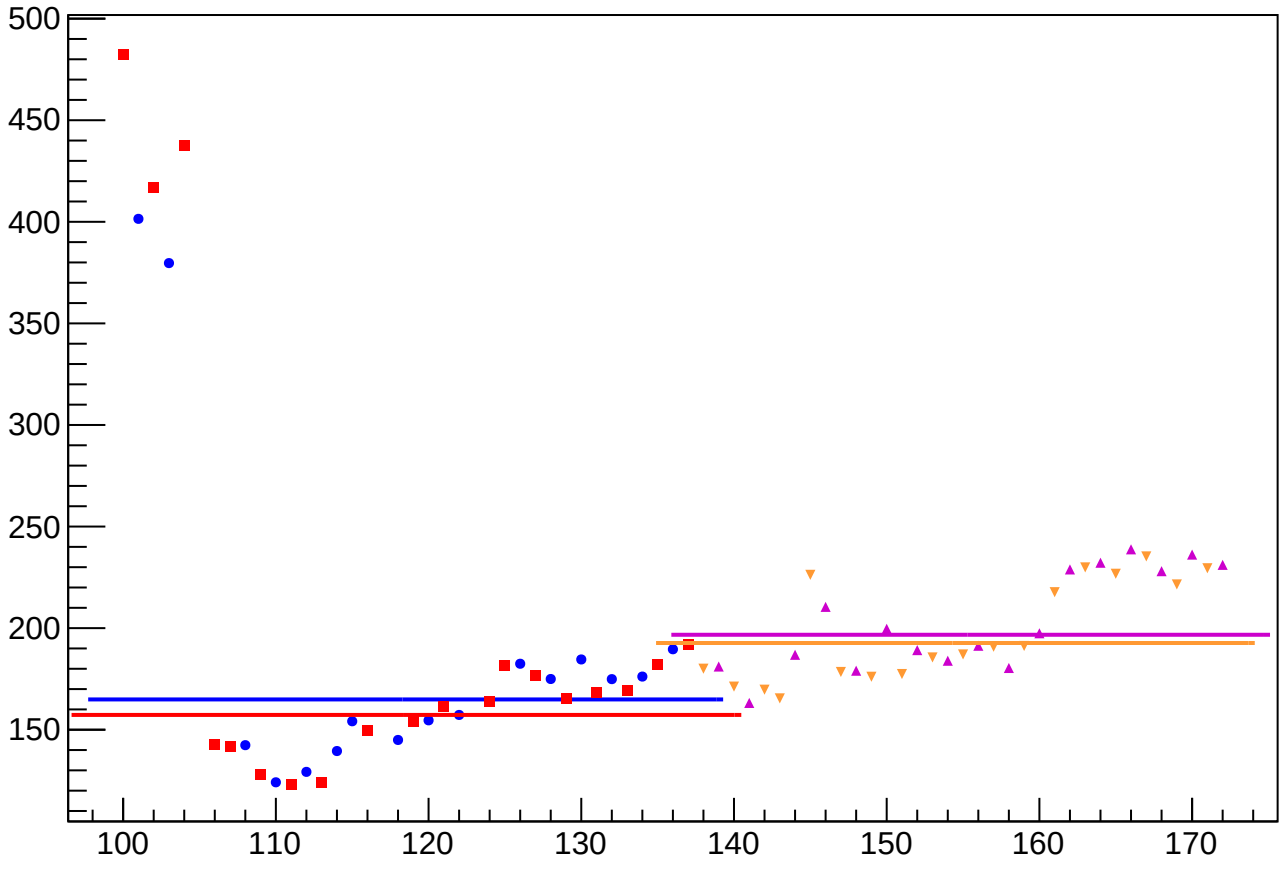
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 157168.529+/-0.041 χ^2/NDF:64544202151.2/3

Out: 157343.803+/-0.039 χ^2/NDF:72190652651.6

All: 157259.892+/-0.029 χ^2/NDF: 13674428

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 192.687+/-0.037 χ^2/NDF:383631.2/17

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 196.736+/-0.038 χ^2/NDF:350538.1/16

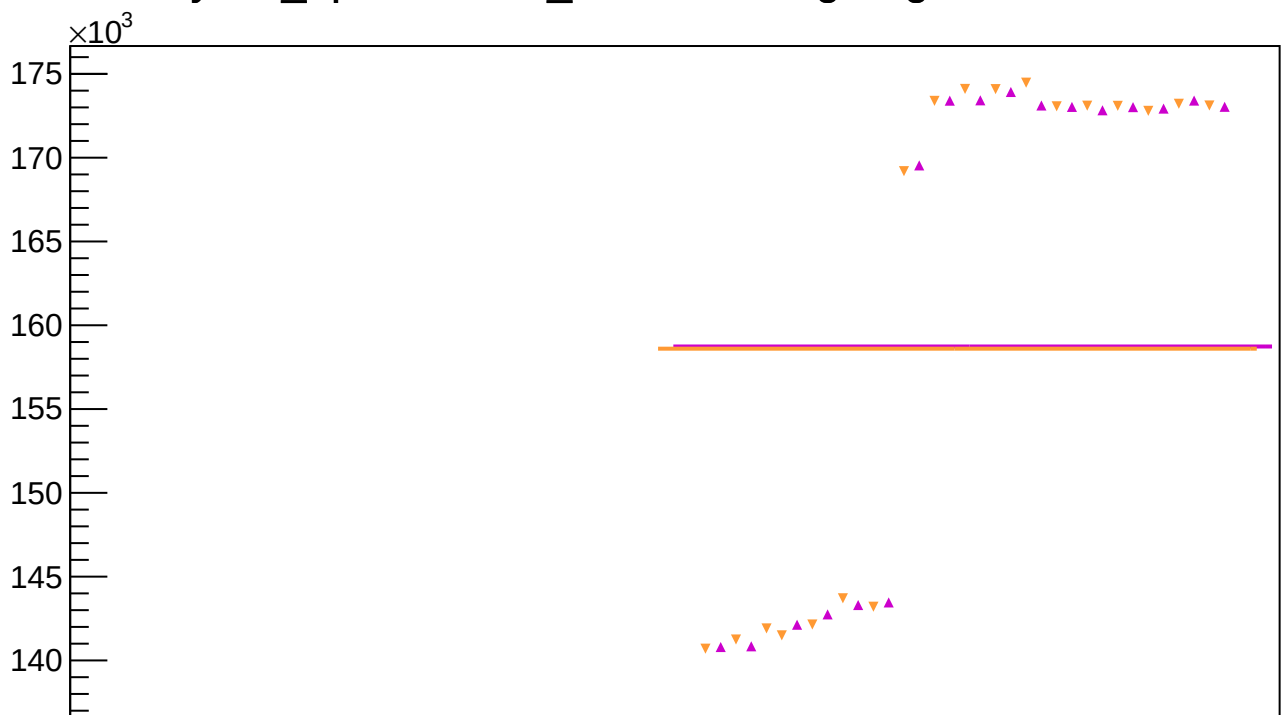
Left: 194.657+/-0.026 χ^2/NDF: 740120.9/34

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 184.018+/-0.029 χ^2/NDF:1709509.3/32

Out: 177.878+/-0.028 χ^2/NDF:2029535.0/36

All: 180.817+/-0.020 χ^2/NDF: 3762188.1/69



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 158602.691+/-0.052 χ^2/NDF:86810467485.2/17

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: 158665.945+/-0.038 χ^2/NDF: 166987756072.

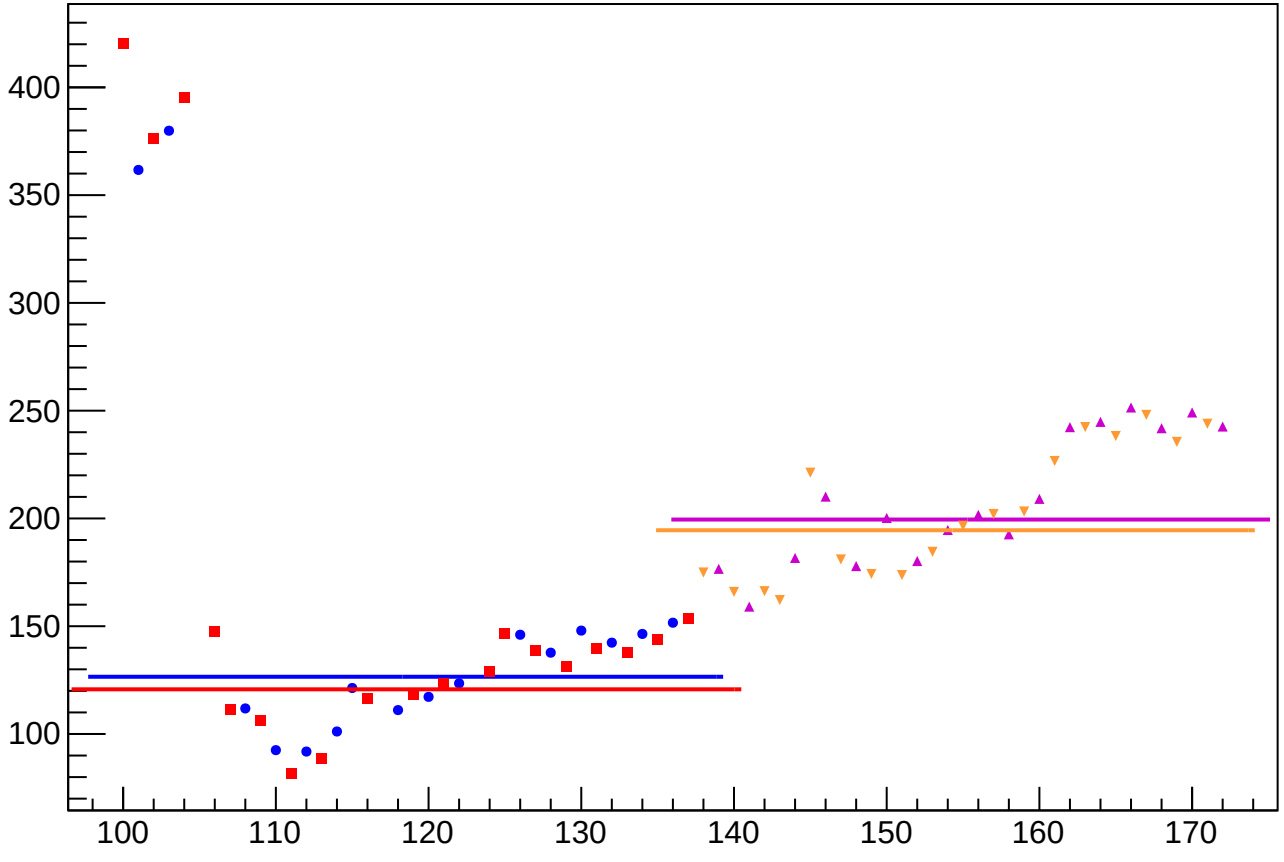
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 145732.572+/-0.037 χ^2/NDF:189784015260.9

Out: 145306.993+/-0.035 χ^2/NDF:205854642457.

All: 145510.108+/-0.026 χ^2/NDF: 39570760

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 194.524+/-0.037 χ^2/NDF:574172.7/17

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 199.495+/-0.038 χ^2/NDF:520938.8/16

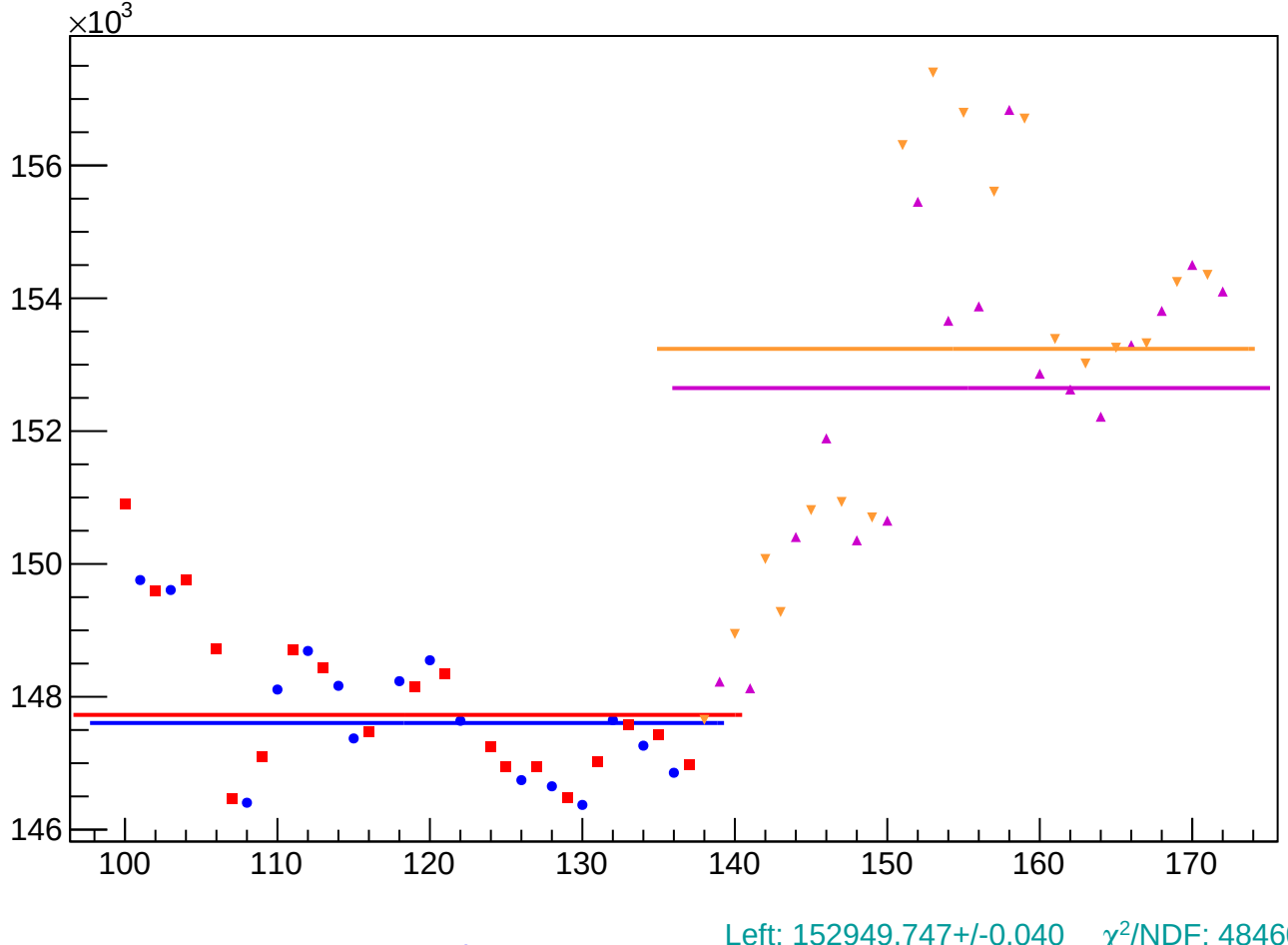
Left: 196.932+/-0.027 χ^2/NDF: 1103802.6/34

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 160.720+/-0.026 χ^2/NDF:3928086.7/32

Out: 154.322+/-0.025 χ^2/NDF:4361675.8/36

All: 157.376+/-0.018 χ^2/NDF: 8320929.6/69



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153238.591+/-0.056 χ^2/NDF:2948995220.4/17

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: 152949.747+/-0.040 χ^2/NDF: 4846078043.3/3

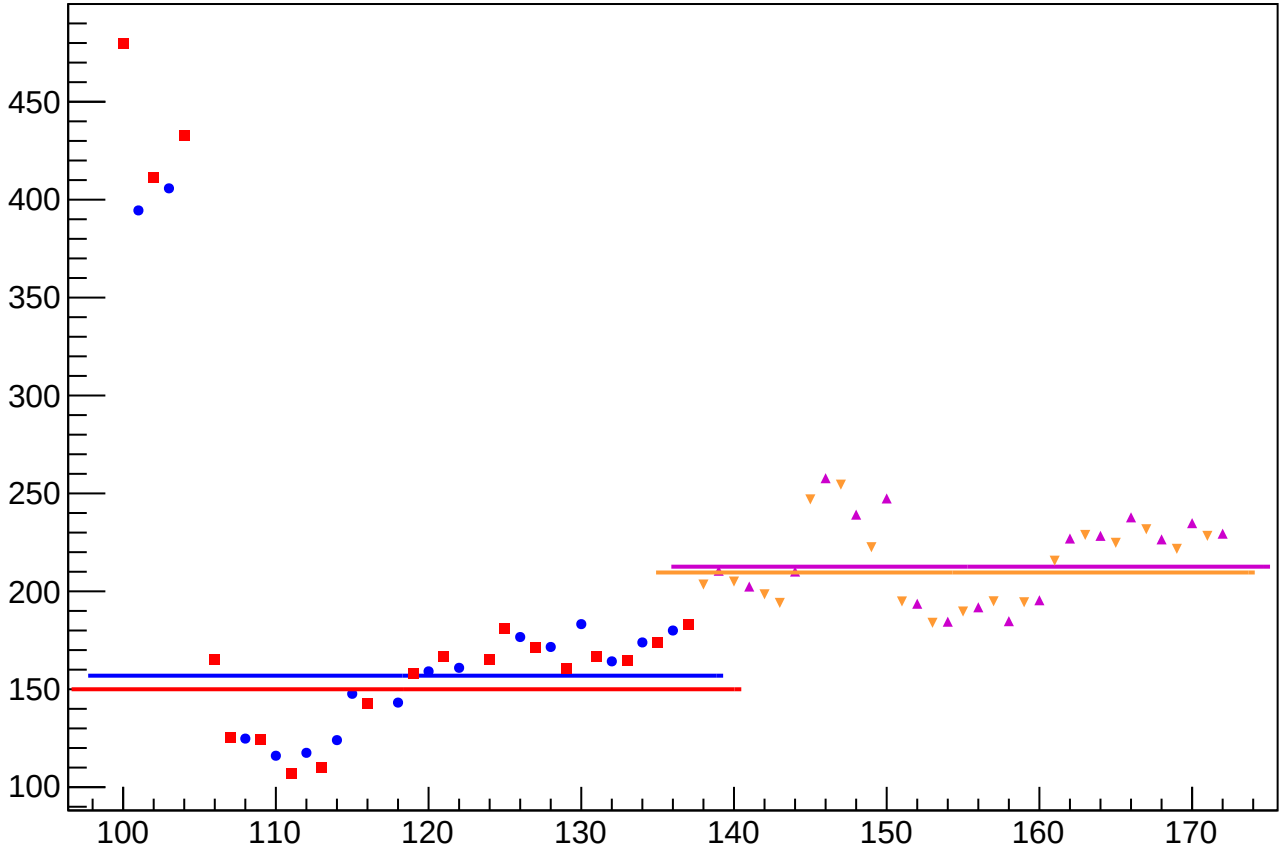
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 150337.549+/-0.042 χ^2/NDF:5573280026.4/32

Out: 150612.186+/-0.041 χ^2/NDF:7721061189.1/3

All: 150480.184+/-0.029 χ^2/NDF: 13316244

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 209.623+/-0.040 χ^2/NDF:235614.5/17

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 212.590+/-0.041 χ^2/NDF:296017.4/16

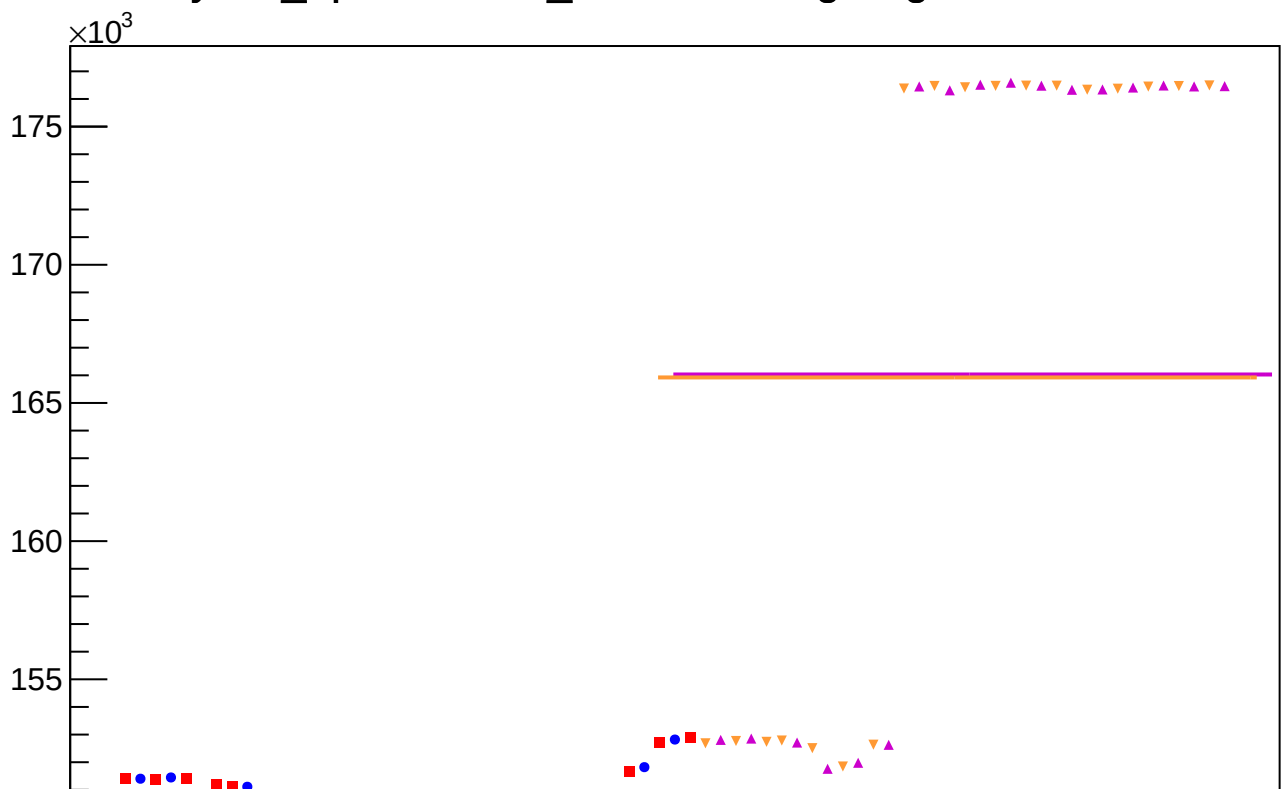
Left: 211.074+/-0.028 χ^2/NDF: 534356.6/34

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 187.084+/-0.030 χ^2/NDF:2421944.9/32

Out: 181.205+/-0.029 χ^2/NDF:2761273.7/36

All: 184.031+/-0.021 χ^2/NDF: 5203289.6/69



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 165923.347+/-0.051 χ^2/NDF:54281523083.6/17

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: 165975.030+/-0.037 χ^2/NDF: 105439471256.

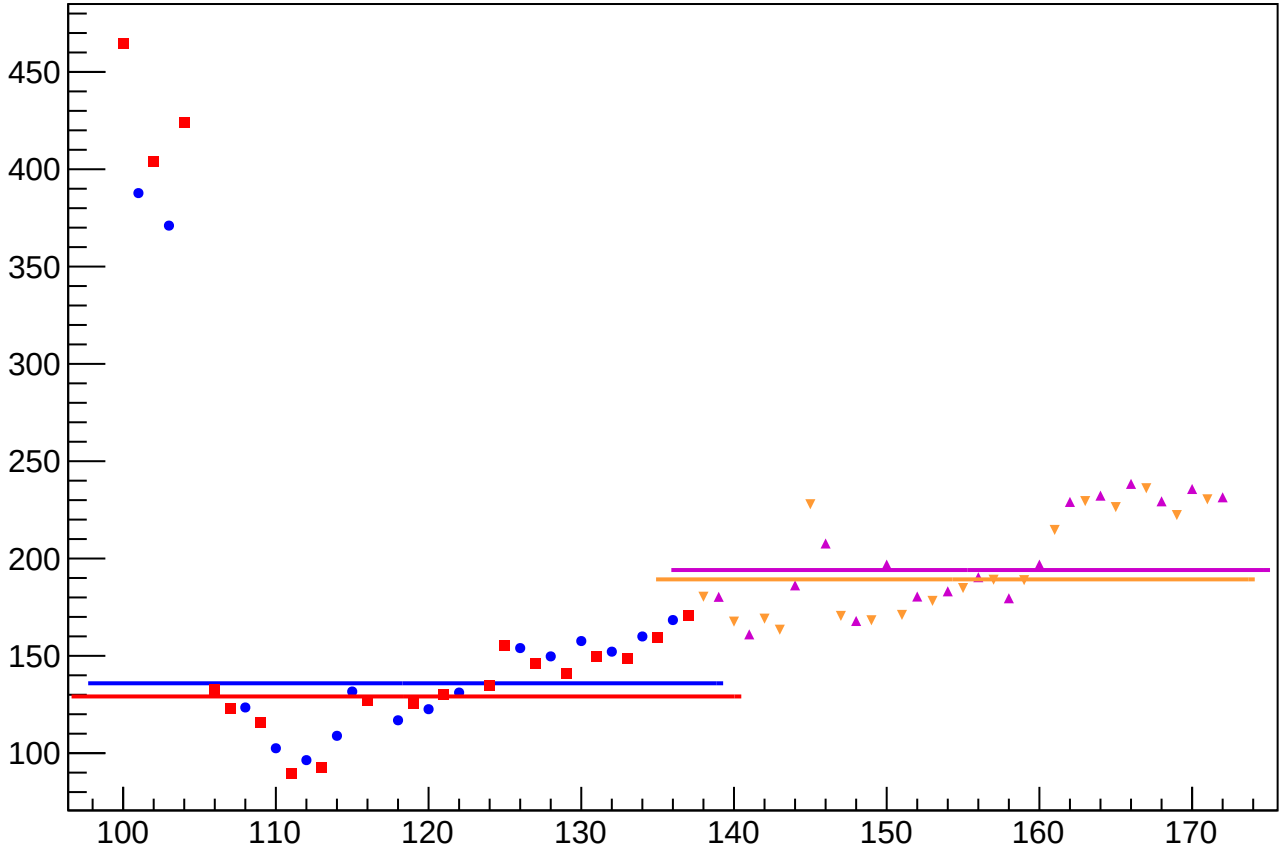
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 158598.804+/-0.038 χ^2/NDF:93024371961.3/3

Out: 158255.355+/-0.036 χ^2/NDF:99951020381.3

All: 158418.527+/-0.026 χ^2/NDF: 19301858

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 189.286+/-0.036 χ^2/NDF:459144.6/17

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 194.088+/-0.037 χ^2/NDF:405601.5/16

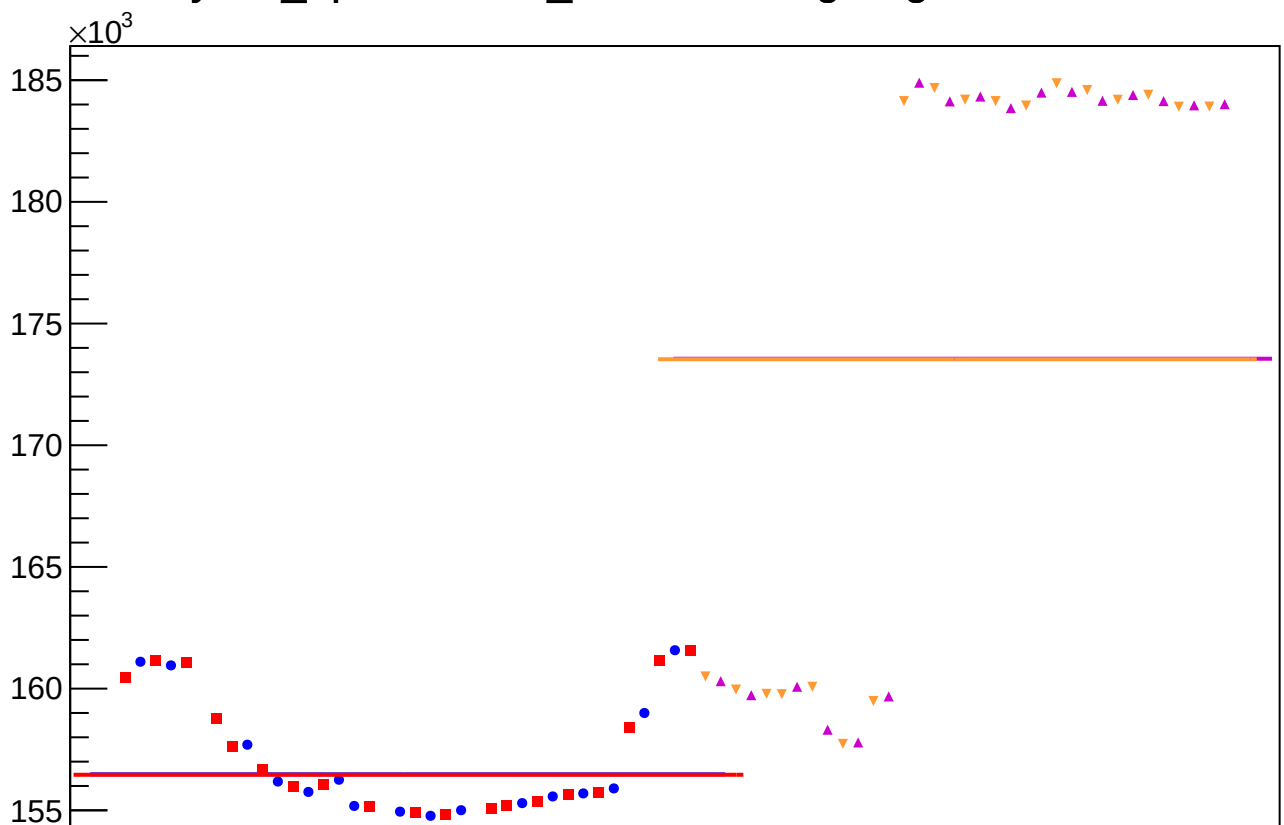
Left: 191.611+/-0.026 χ^2/NDF: 873367.0/34

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 166.119+/-0.027 χ^2/NDF:3001382.0/32

Out: 159.259+/-0.025 χ^2/NDF:3468042.4/36

All: 162.518+/-0.018 χ^2/NDF: 6503896.4/69



Right In: 156478.318+/-0.057 χ^2/NDF: 1289449253.3/15

Left Out: 173533.388+/-0.053 χ^2/NDF:54331486881.0/17

Right Out: 156460.550+/-0.053 χ^2/NDF: 1100531658.8/18

Left In: 173554.256+/-0.054 χ^2/NDF:52015357556.9/16

Left: 173543.514+/-0.038 χ^2/NDF: 106346920727.

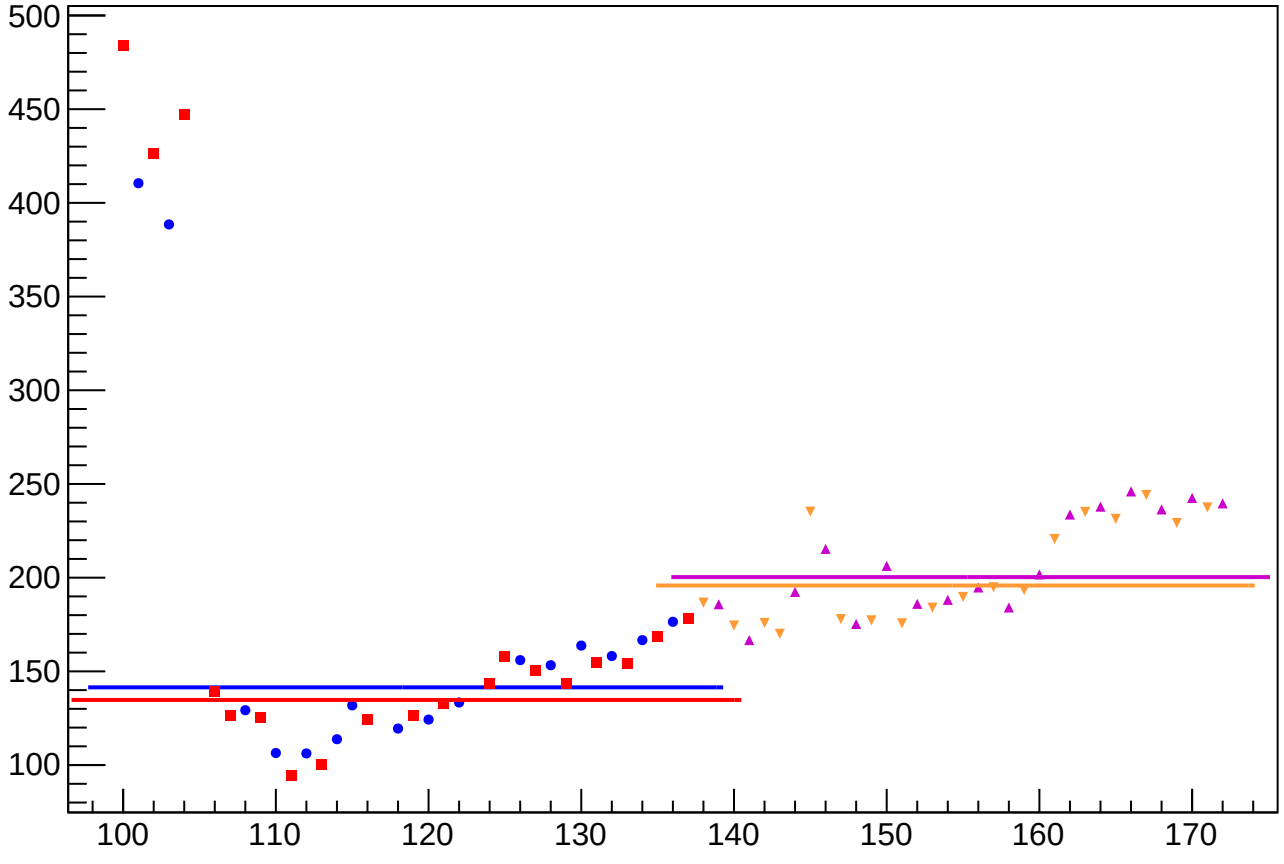
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6

In: 165417.149+/-0.039 χ^2/NDF:100593119401.8

Out: 165076.978+/-0.037 χ^2/NDF:107553109729.

All: 165238.944+/-0.027 χ^2/NDF: 20818564

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 195.825+/-0.037 χ^2/NDF:430159.6/17

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 200.296+/-0.038 χ^2/NDF:394848.2/16

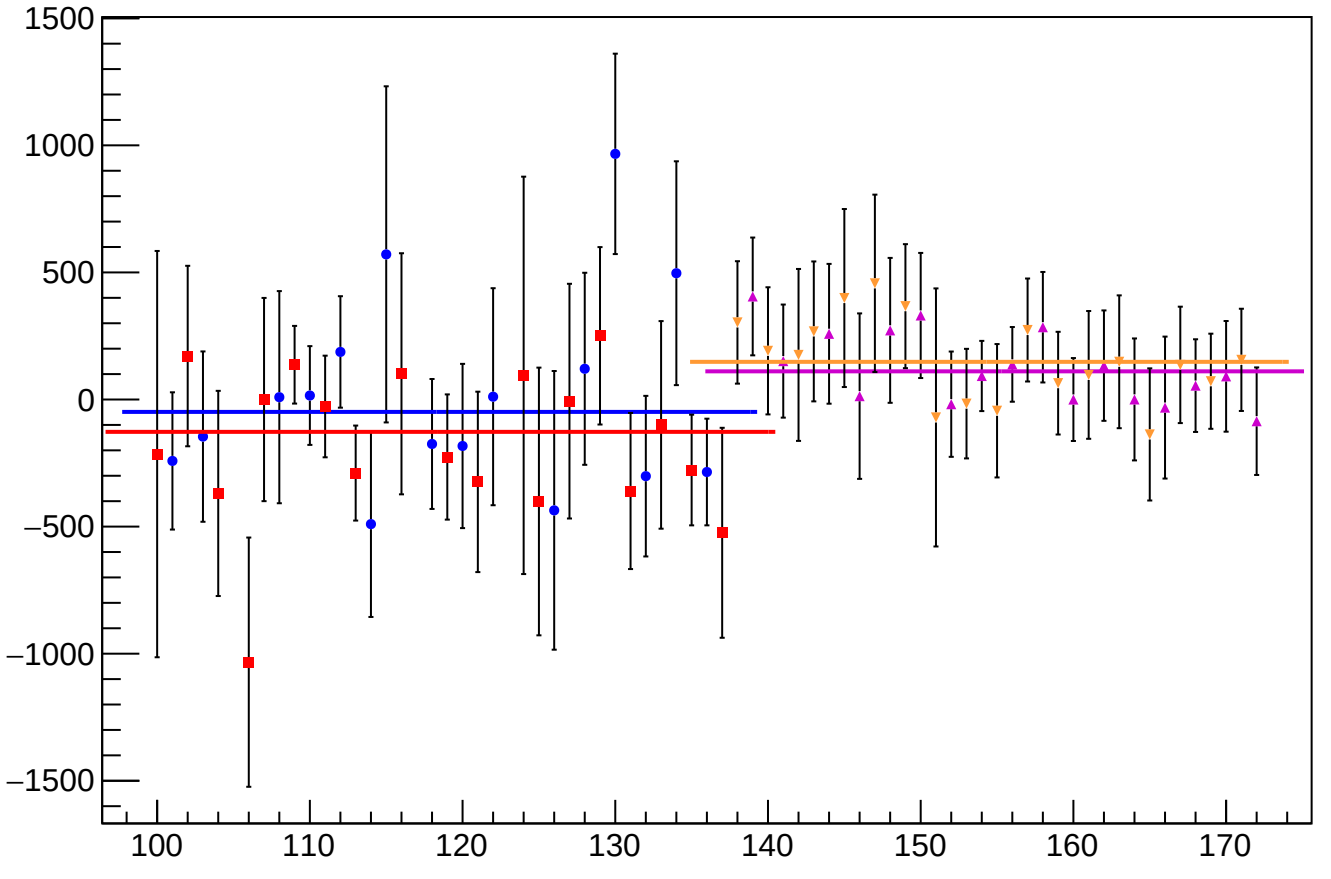
Left: 197.995+/-0.027 χ^2/NDF: 832012.8/34

Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 172.264+/-0.028 χ^2/NDF:2909202.6/32

Out: 165.571+/-0.026 χ^2/NDF:3343384.8/36

All: 168.758+/-0.019 χ^2/NDF: 6283097.9/69



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 148.234+/-58.247 χ^2/NDF:6.0/17

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: 126.779+/-38.048 χ^2/NDF: 12.4/34

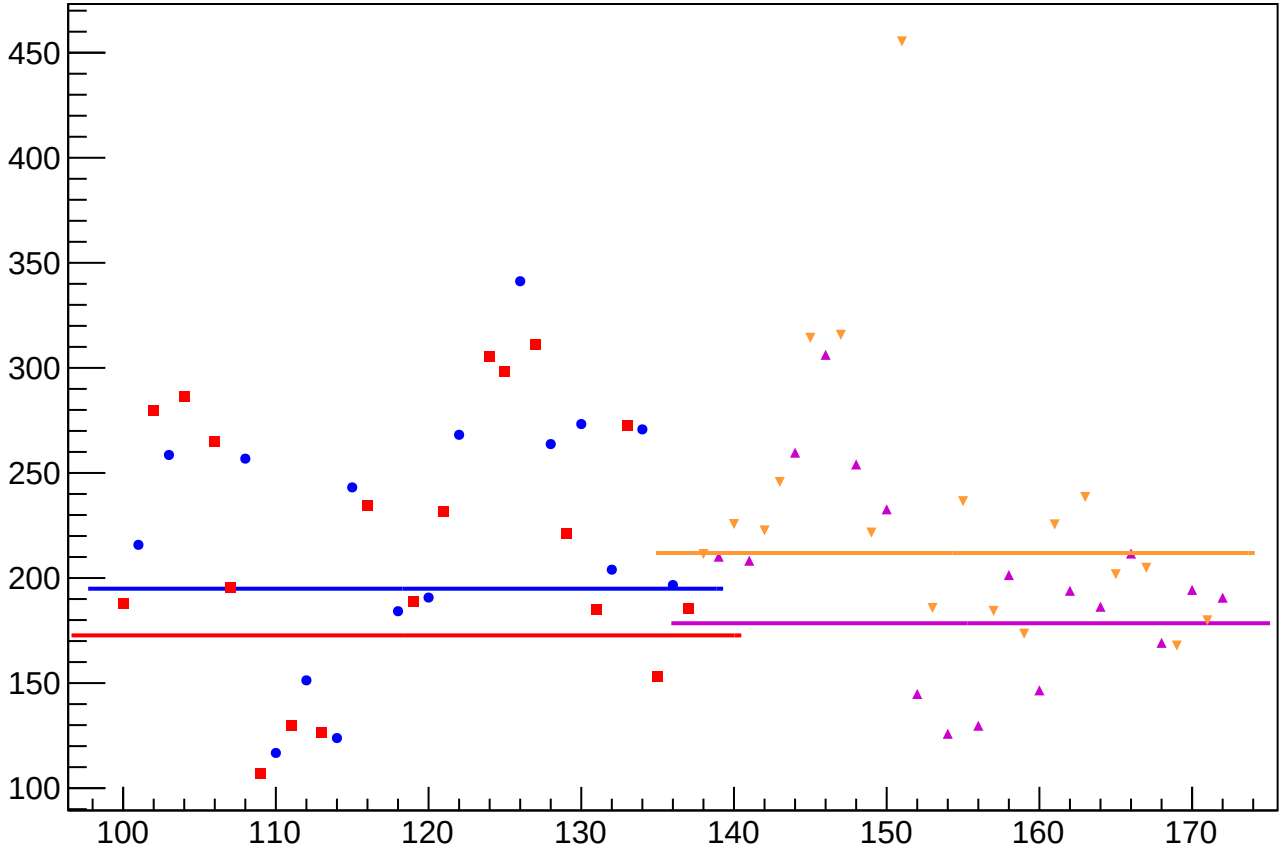
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 62.797+/-42.015 χ^2/NDF:24.6/32

Out: 32.644+/-44.376 χ^2/NDF:28.3/36

All: 48.544+/-30.509 χ^2/NDF: 53.1/69

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 211.907+/-0.041 χ^2/NDF:1198853.2/17

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: 192.743+/-0.027 χ^2/NDF: 3094618.3/34

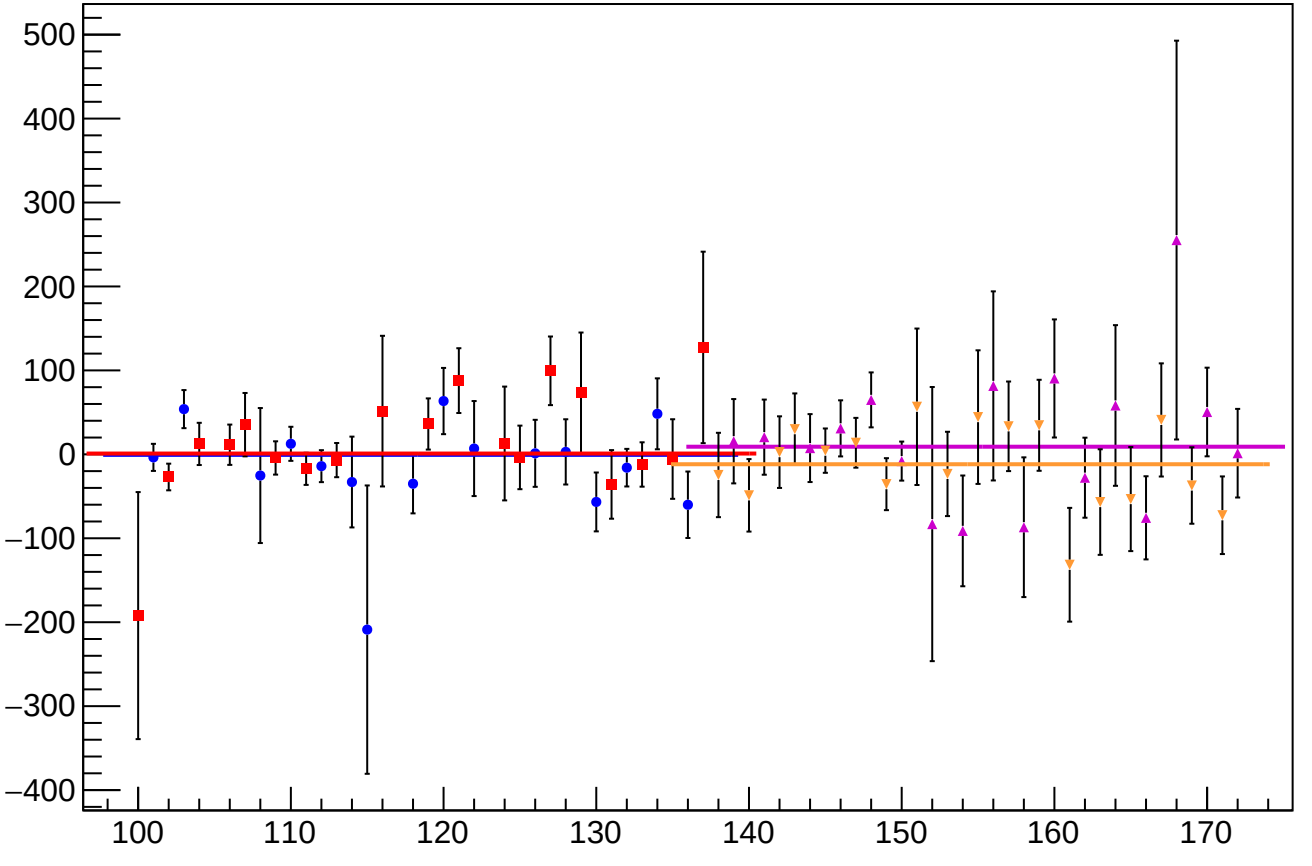
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 183.428+/-0.030 χ^2/NDF:2611466.3/32

Out: 195.458+/-0.031 χ^2/NDF:3210352.6/36

All: 189.114+/-0.022 χ^2/NDF: 5899328.3/69

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -11.797+/-10.595 χ^2/NDF:12.9/17

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 9.084+/-11.494 χ^2/NDF:15.2/16

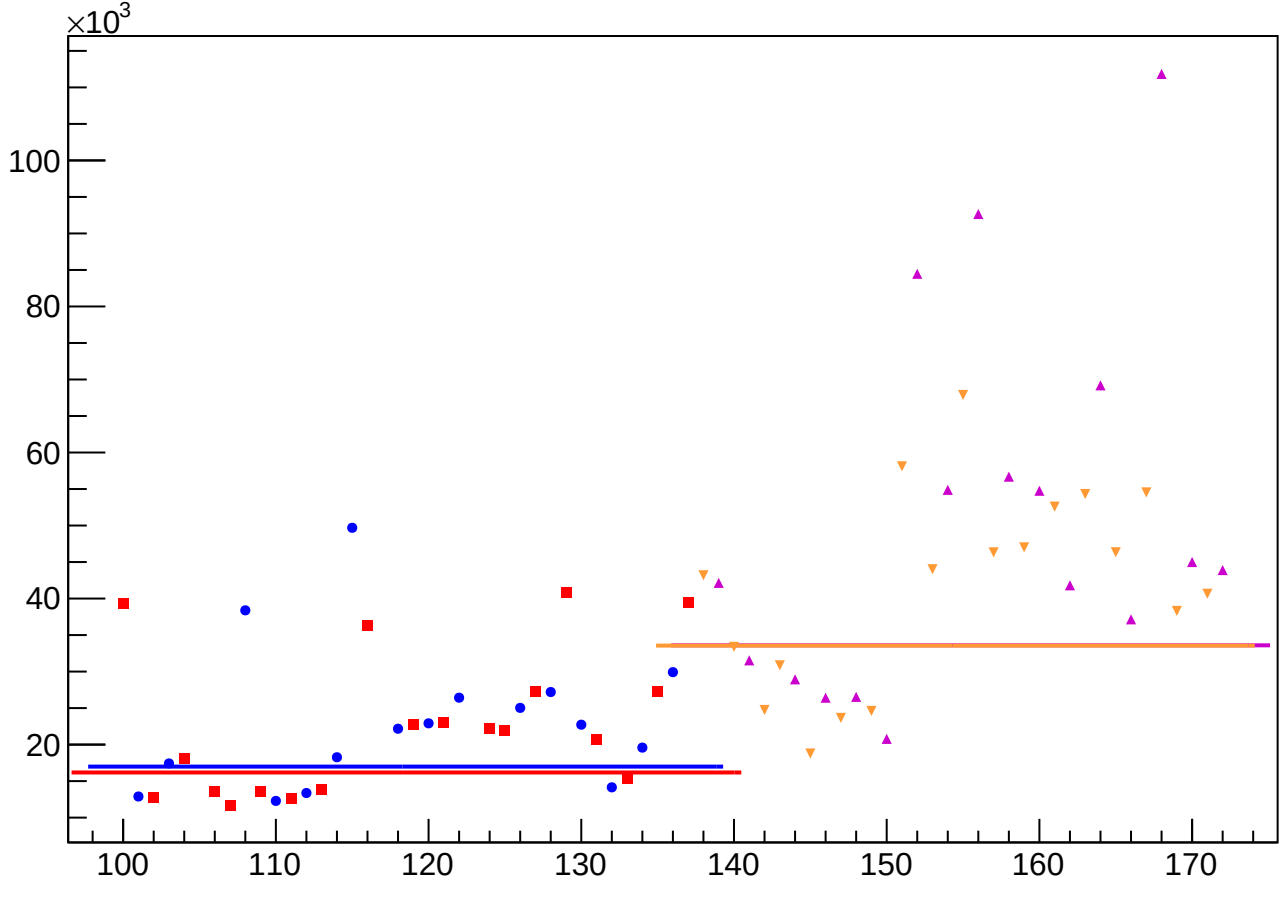
Left: -2.205+/-7.790 χ^2/NDF: 29.8/34

Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 2.188+/-6.186 χ^2/NDF:34.6/32

Out: -2.752+/-5.703 χ^2/NDF:36.9/36

All: -0.482+/-4.193 χ^2/NDF: 71.8/69



Right In: 16986.402+/-5.190 χ^2/NDF: 1194096.1/15

Left Out: 33558.112+/-7.492 χ^2/NDF:2741692.9/17

Right Out: 16181.928+/-4.785 χ^2/NDF: 1251495.8/18

Left In: 33596.222+/-8.127 χ^2/NDF:2901107.1/16

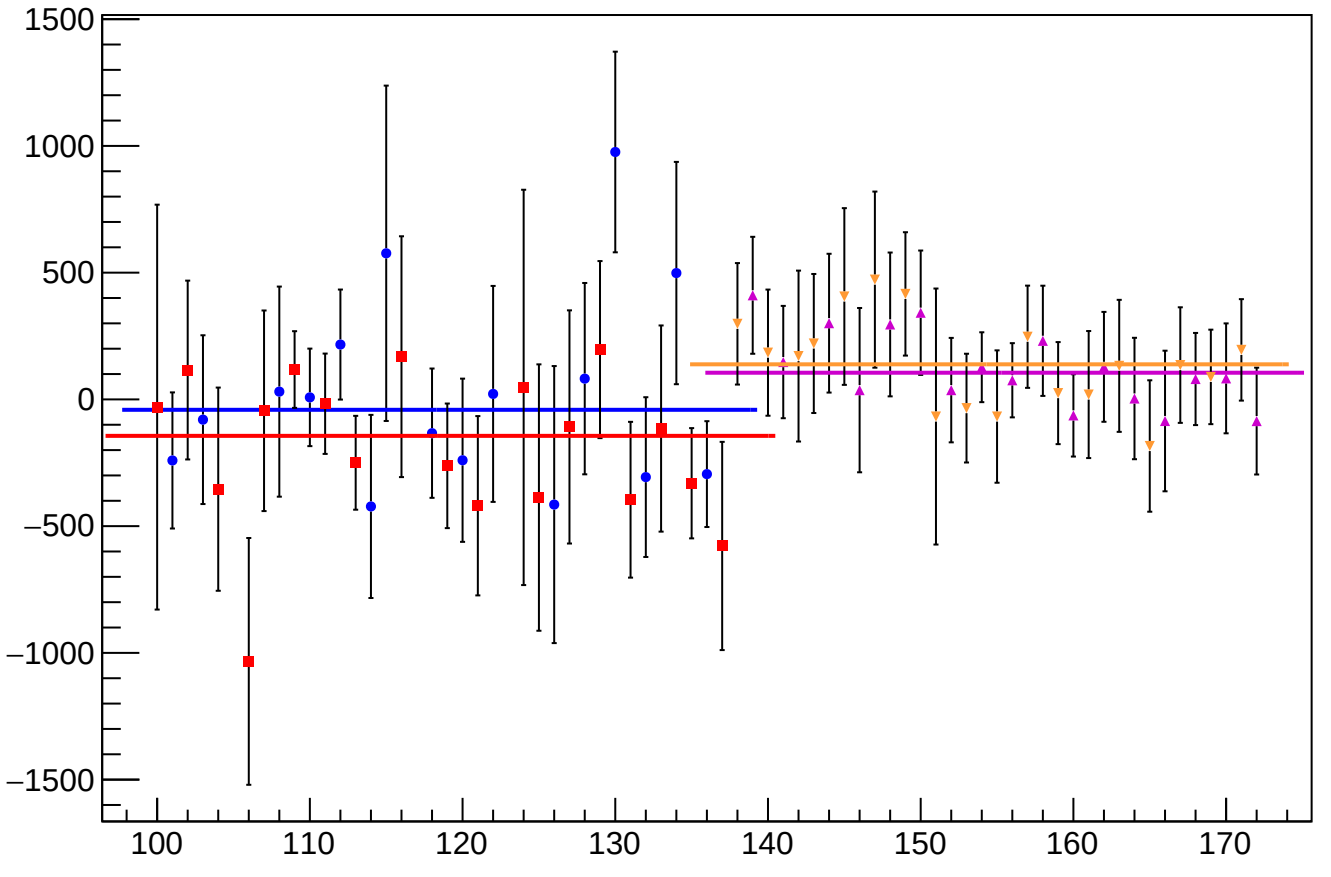
Left: 33575.619+/-5.508 χ^2/NDF: 5642811.9/34

Right: 16551.529+/-3.518 χ^2/NDF: 2458578.1/34

In: 21798.303+/-4.374 χ^2/NDF:7061989.5/32

Out: 21216.475+/-4.033 χ^2/NDF:7813946.0/36

All: 21483.778+/-2.965 χ^2/NDF: 14885498.9



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 138.413+/-58.007 χ^2/NDF:7.4/17

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: 119.394+/-37.905 χ^2/NDF: 14.4/34

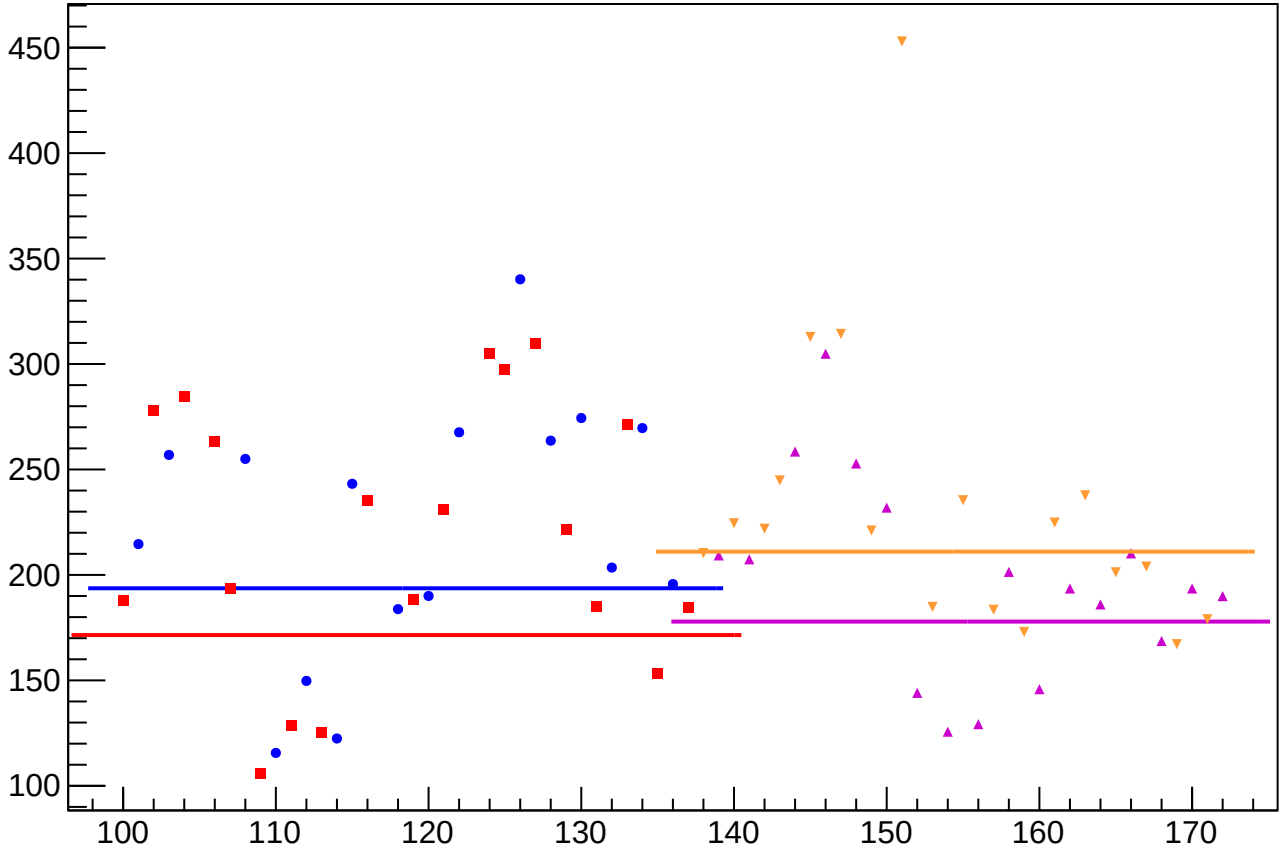
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 61.072+/-41.840 χ^2/NDF:24.9/32

Out: 19.701+/-44.153 χ^2/NDF:30.3/36

All: 41.499+/-30.370 χ^2/NDF: 55.7/69

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 211.042+/-0.041 χ^2/NDF:1197917.7/17

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 177.871+/-0.035 χ^2/NDF:1514928.2/16

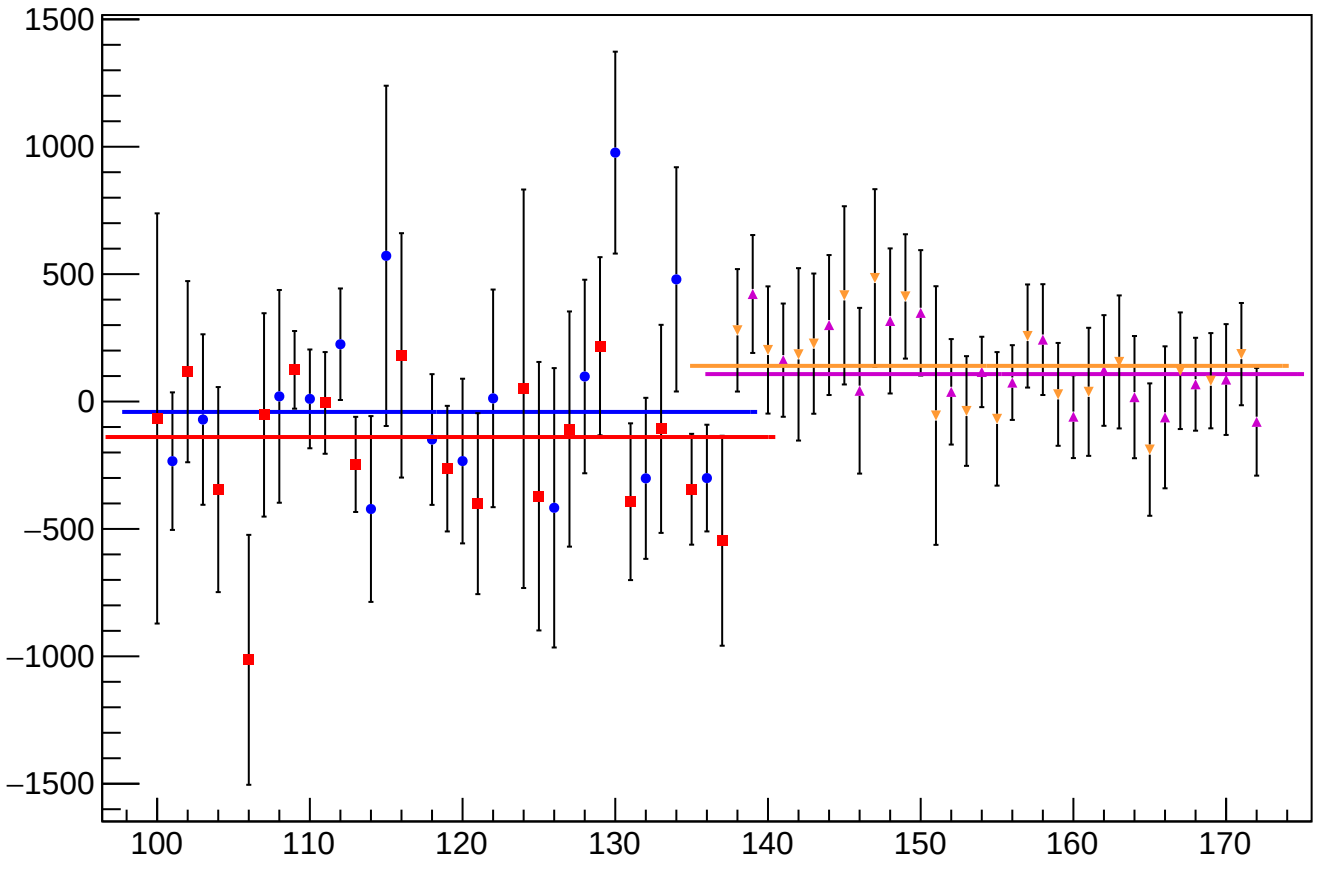
Left: 192.035+/-0.027 χ^2/NDF: 3087597.2/34

Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 182.640+/-0.030 χ^2/NDF:2624795.6/32

Out: 194.403+/-0.031 χ^2/NDF:3242137.4/36

All: 188.205+/-0.021 χ^2/NDF: 5941728.8/69



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 140.005+/-58.187 χ^2/NDF:7.4/17

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: 121.483+/-38.012 χ^2/NDF: 14.5/34

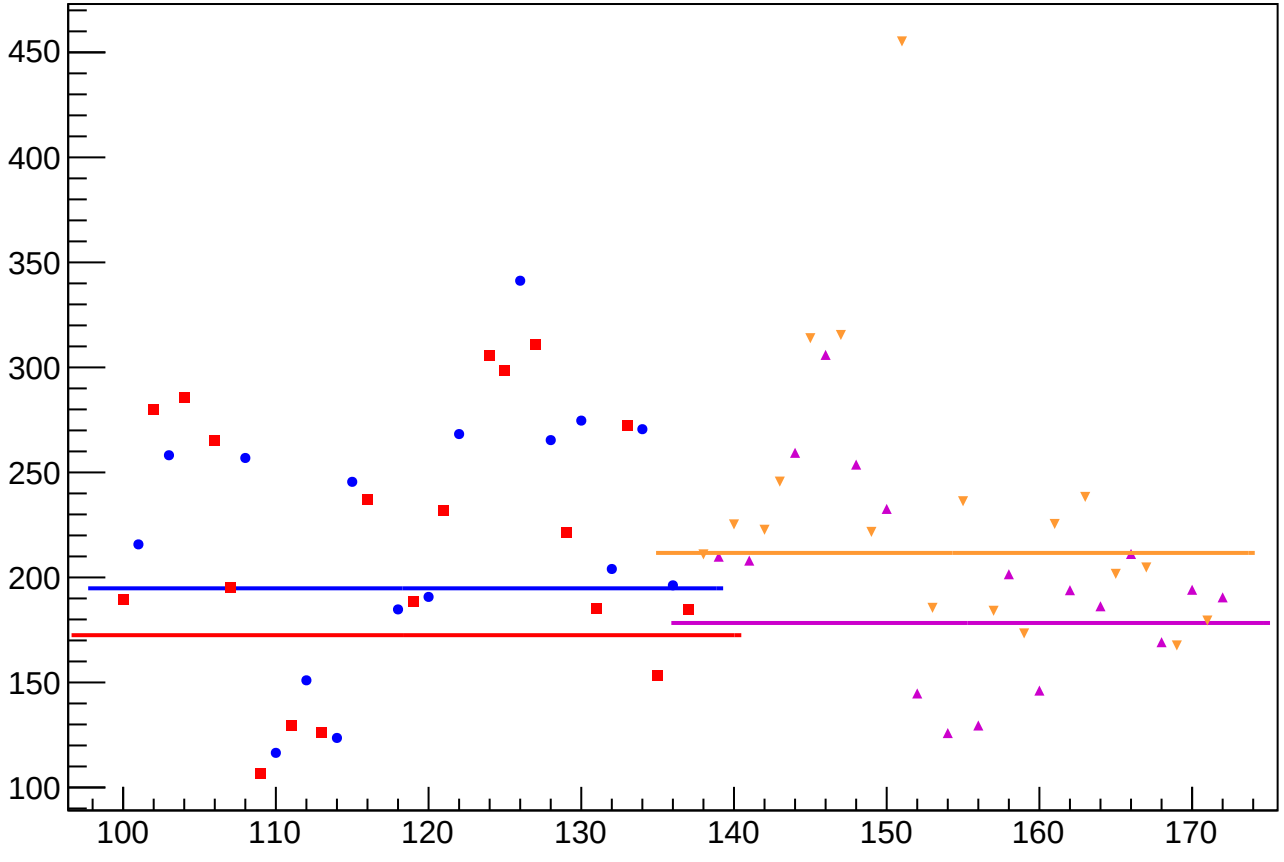
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 63.054+/-41.987 χ^2/NDF:24.9/32

Out: 22.863+/-44.336 χ^2/NDF:29.9/36

All: 44.052+/-30.486 χ^2/NDF: 55.3/69

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 211.677+/-0.041 χ^2/NDF:1200914.6/17

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 178.323+/-0.036 χ^2/NDF:1518340.2/16

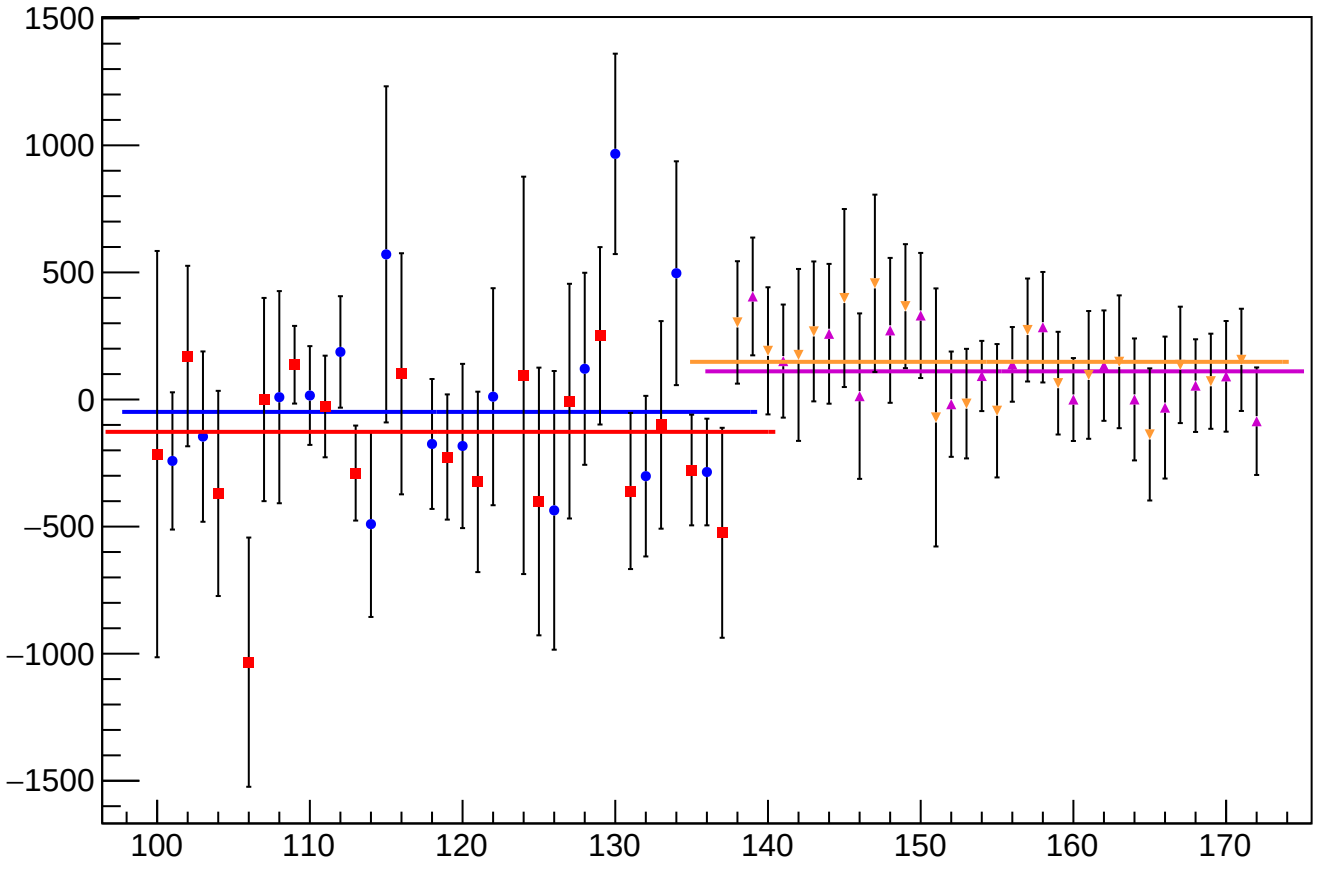
Left: 192.558+/-0.027 χ^2/NDF: 3095956.4/34

Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 183.282+/-0.030 χ^2/NDF:2622344.5/32

Out: 195.248+/-0.031 χ^2/NDF:3223112.4/36

All: 188.940+/-0.022 χ^2/NDF: 5922260.7/69



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 148.234+/-58.247 χ^2/NDF:6.0/17

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: 126.779+/-38.048 χ^2/NDF: 12.4/34

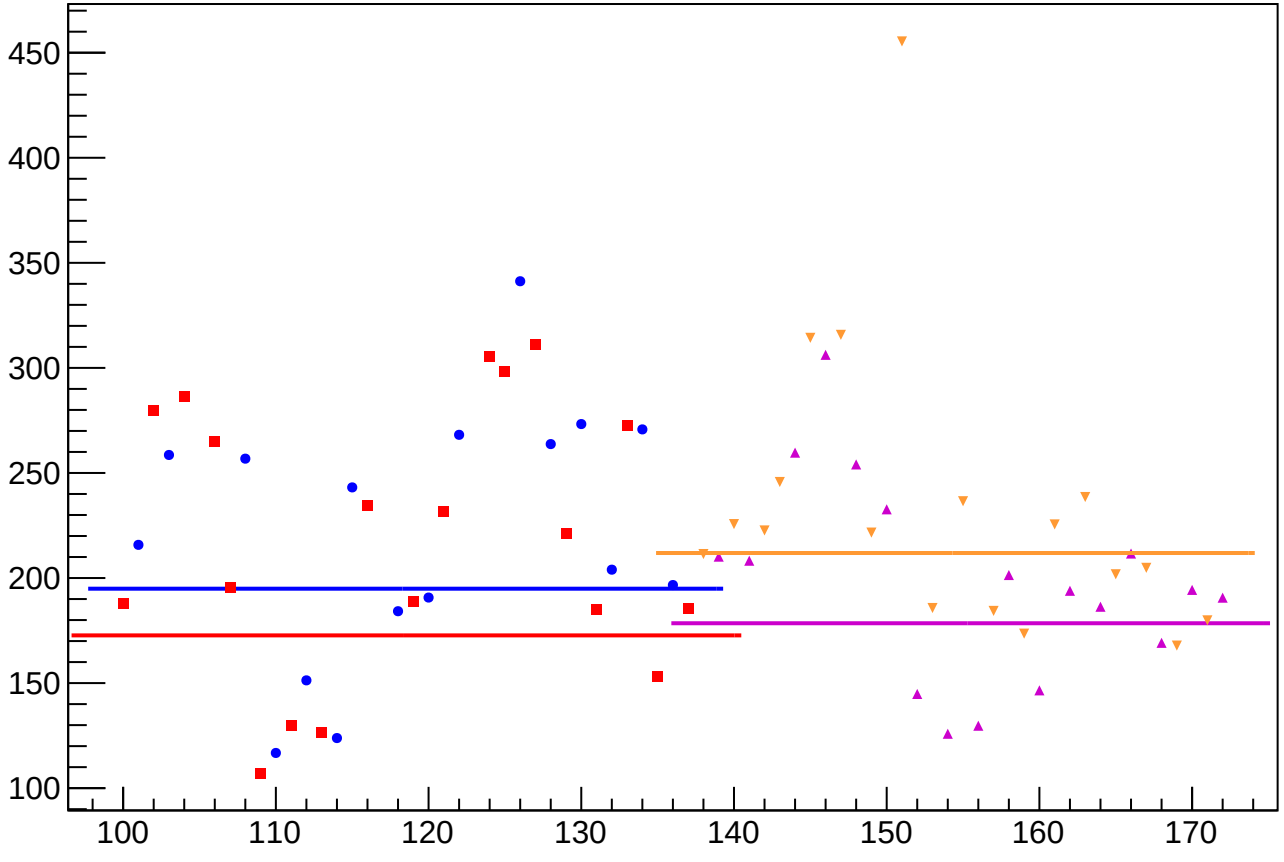
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 62.797+/-42.015 χ^2/NDF:24.6/32

Out: 32.644+/-44.376 χ^2/NDF:28.3/36

All: 48.544+/-30.509 χ^2/NDF: 53.1/69

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 211.907+/-0.041 χ^2/NDF:1198853.2/17

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 178.480+/-0.036 χ^2/NDF:1518125.3/16

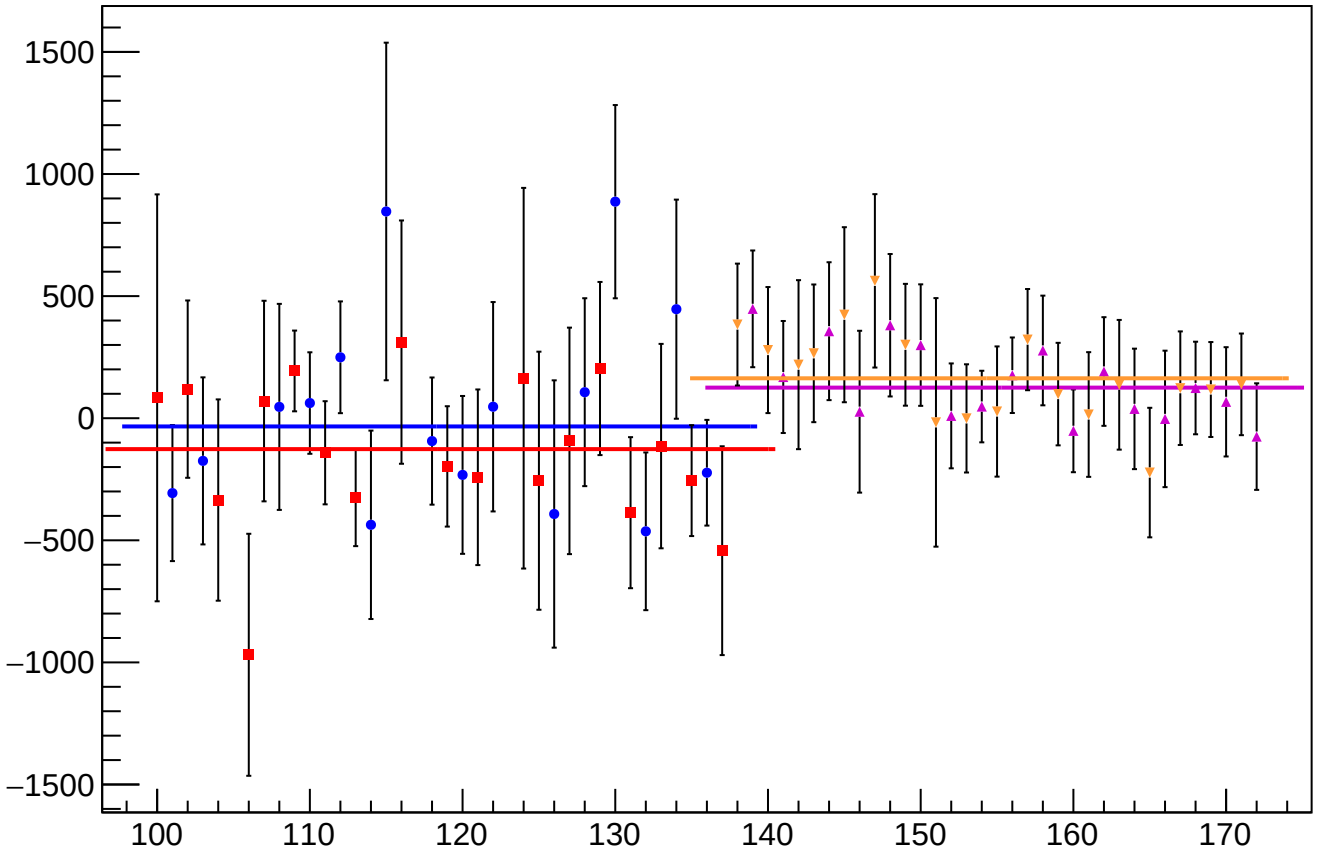
Left: 192.743+/-0.027 χ^2/NDF: 3094618.3/34

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 183.428+/-0.030 χ^2/NDF:2611466.3/32

Out: 195.458+/-0.031 χ^2/NDF:3210352.6/36

All: 189.114+/-0.022 χ^2/NDF: 5899328.3/69



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 163.483+/-59.779 χ^2/NDF:7.4/17

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: 141.751+/-39.259 χ^2/NDF: 15.1/34

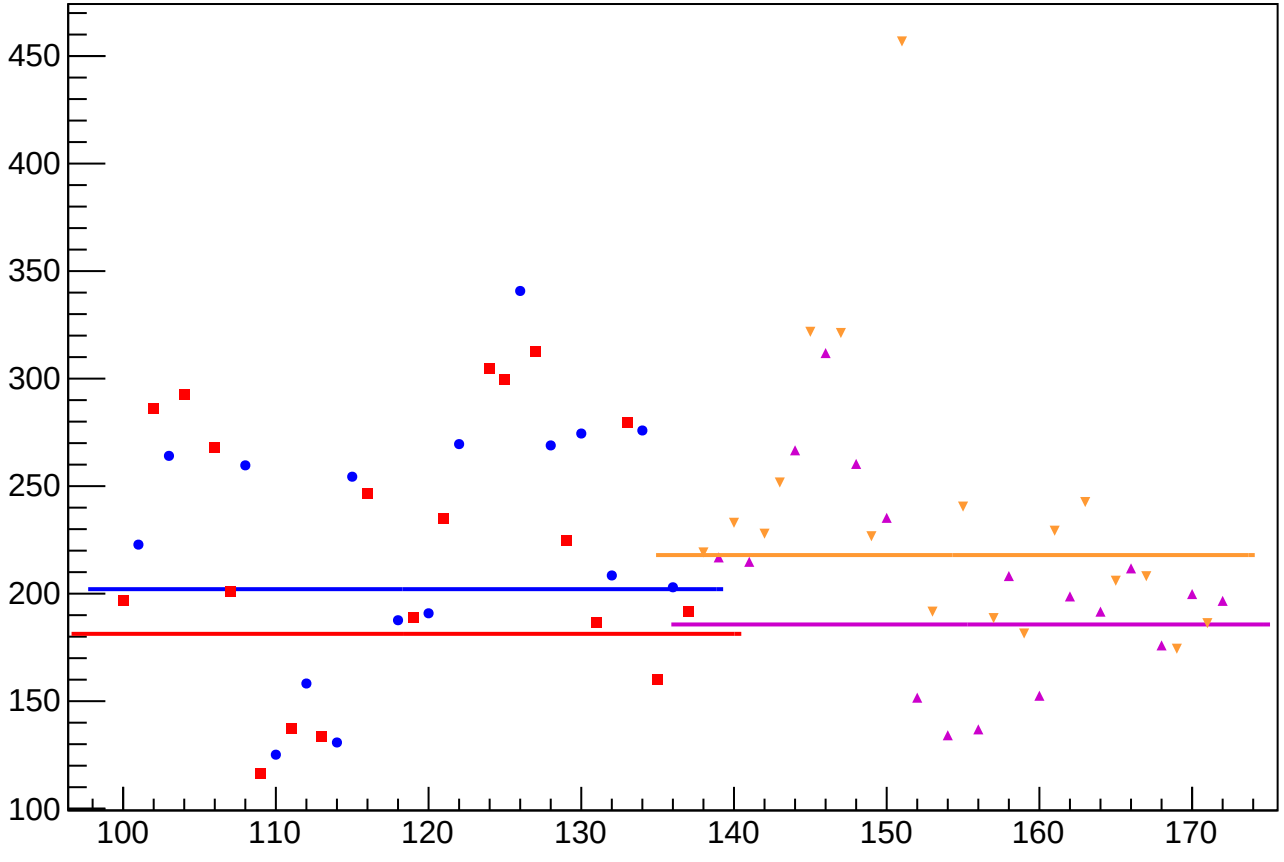
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 77.125+/-43.469 χ^2/NDF:26.0/32

Out: 43.776+/-45.811 χ^2/NDF:29.8/36

All: 61.325+/-31.533 χ^2/NDF: 56.1/69

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 217.947+/-0.042 χ^2/NDF:1135559.6/17

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: 199.594+/-0.028 χ^2/NDF: 2835316.7/34

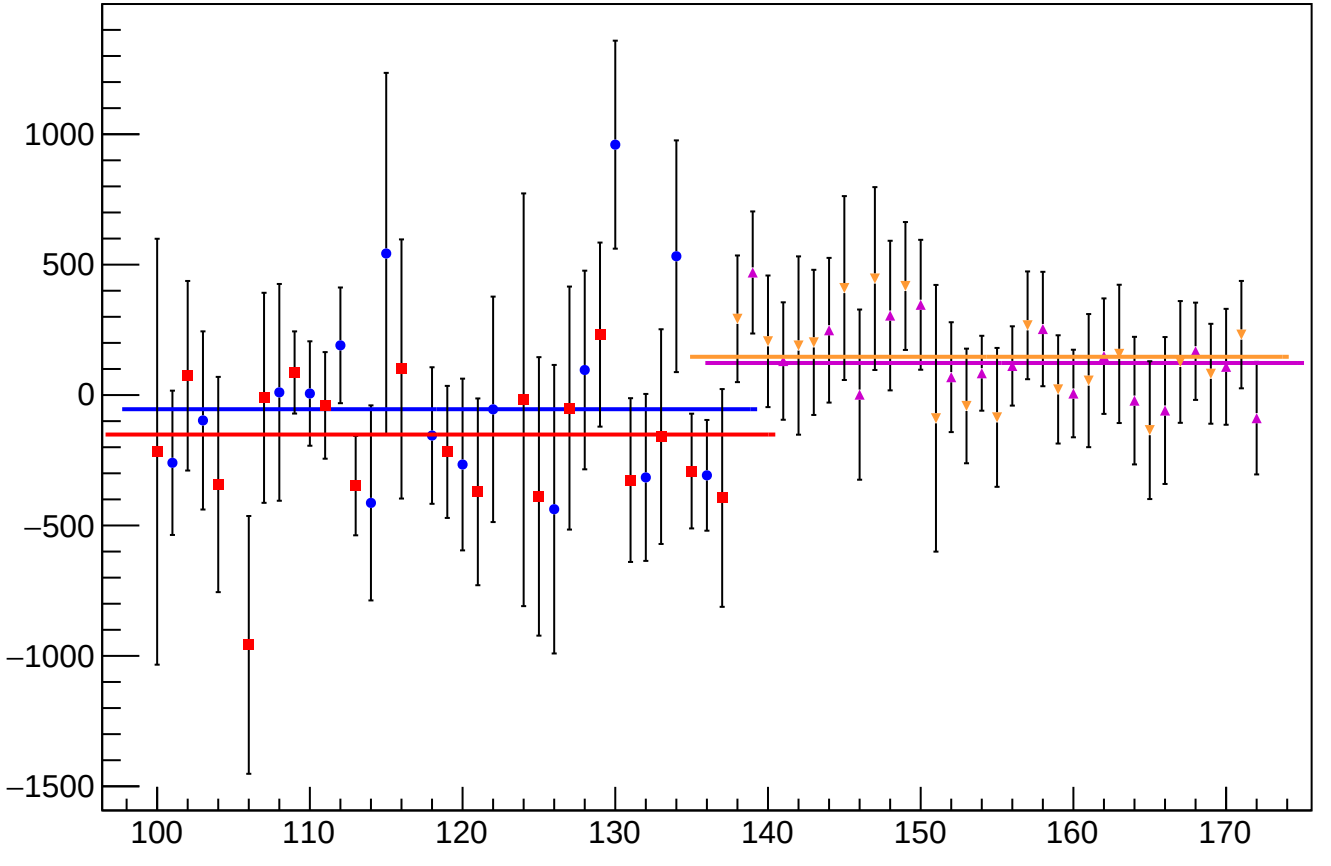
Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 190.645+/-0.031 χ^2/NDF:2338735.3/32

Out: 202.827+/-0.032 χ^2/NDF:2886554.2/36

All: 196.417+/-0.022 χ^2/NDF: 5299710.1/69

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 146.731+/-59.196 χ^2/NDF:7.0/17

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: 133.157+/-38.782 χ^2/NDF: 13.6/34

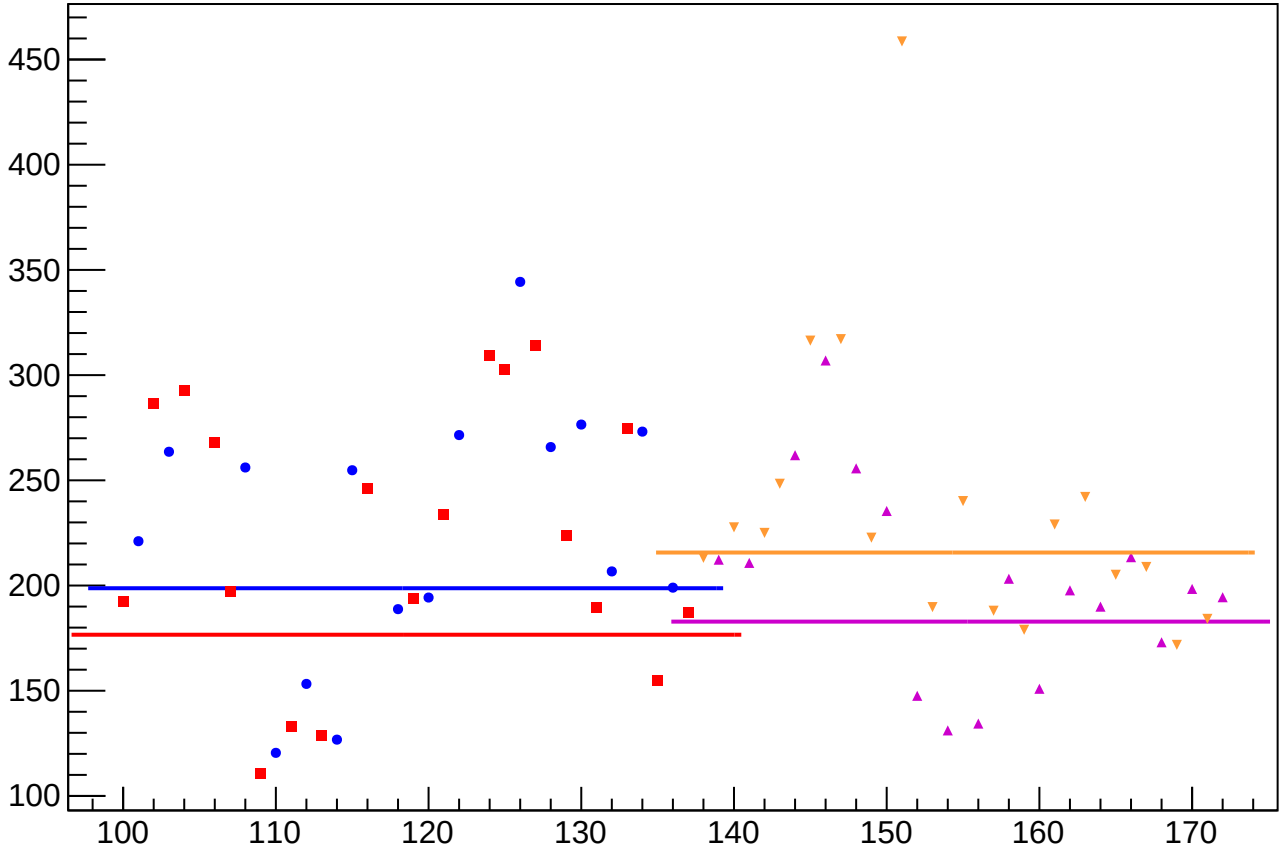
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 69.341+/-42.872 χ^2/NDF:25.2/32

Out: 22.238+/-45.174 χ^2/NDF:27.8/36

All: 47.021+/-31.097 χ^2/NDF: 53.6/69

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 215.685+/-0.042 χ^2/NDF:1142922.9/17

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: 196.943+/-0.027 χ^2/NDF: 2890367.7/34

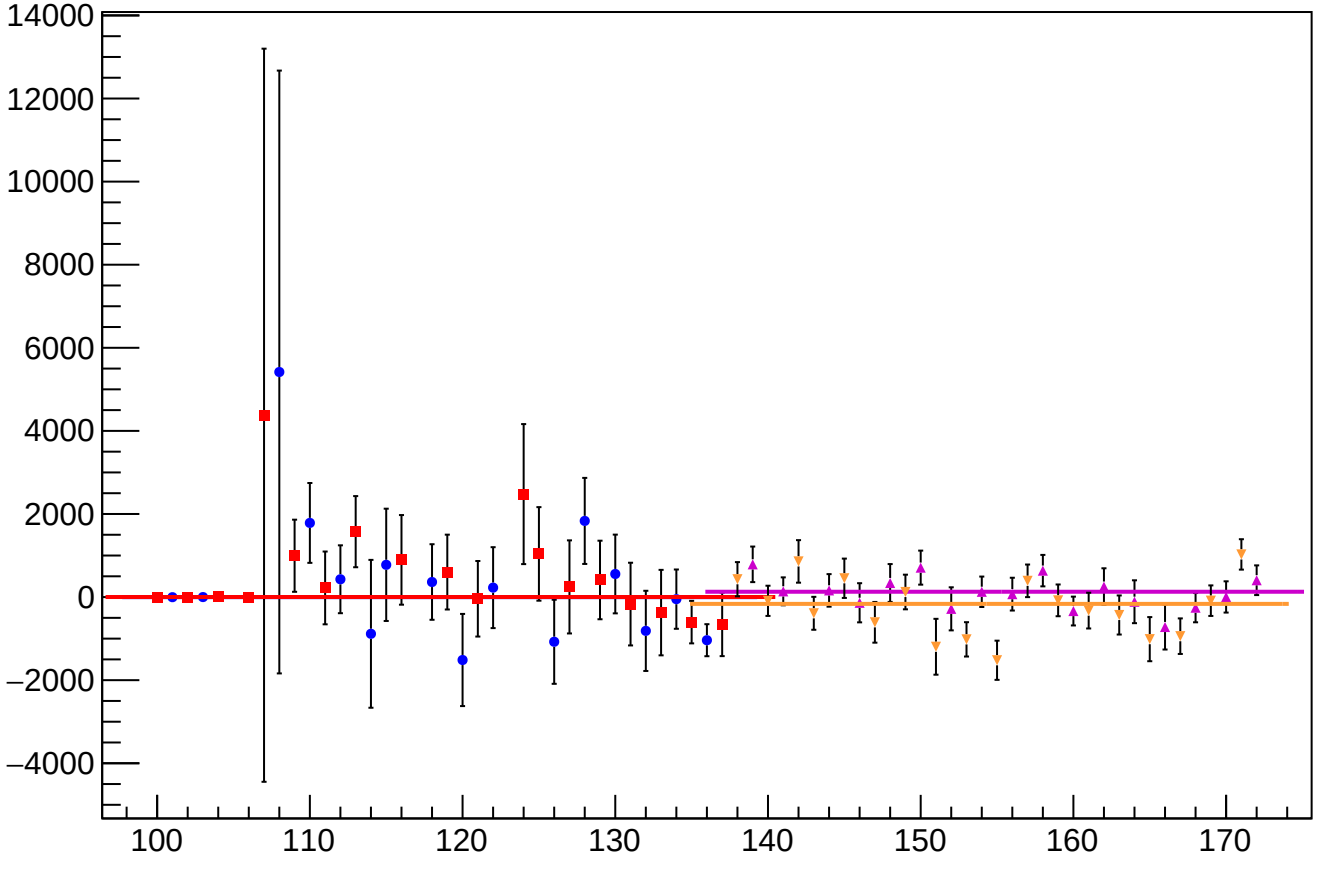
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 187.649+/-0.030 χ^2/NDF:2448068.7/32

Out: 199.371+/-0.032 χ^2/NDF:3102382.7/36

All: 193.204+/-0.022 χ^2/NDF: 5621299.3/69

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -163.931+/-101.154 χ^2/NDF:43.3/17

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: -13.100+/-70.362 χ^2/NDF: 61.4/34

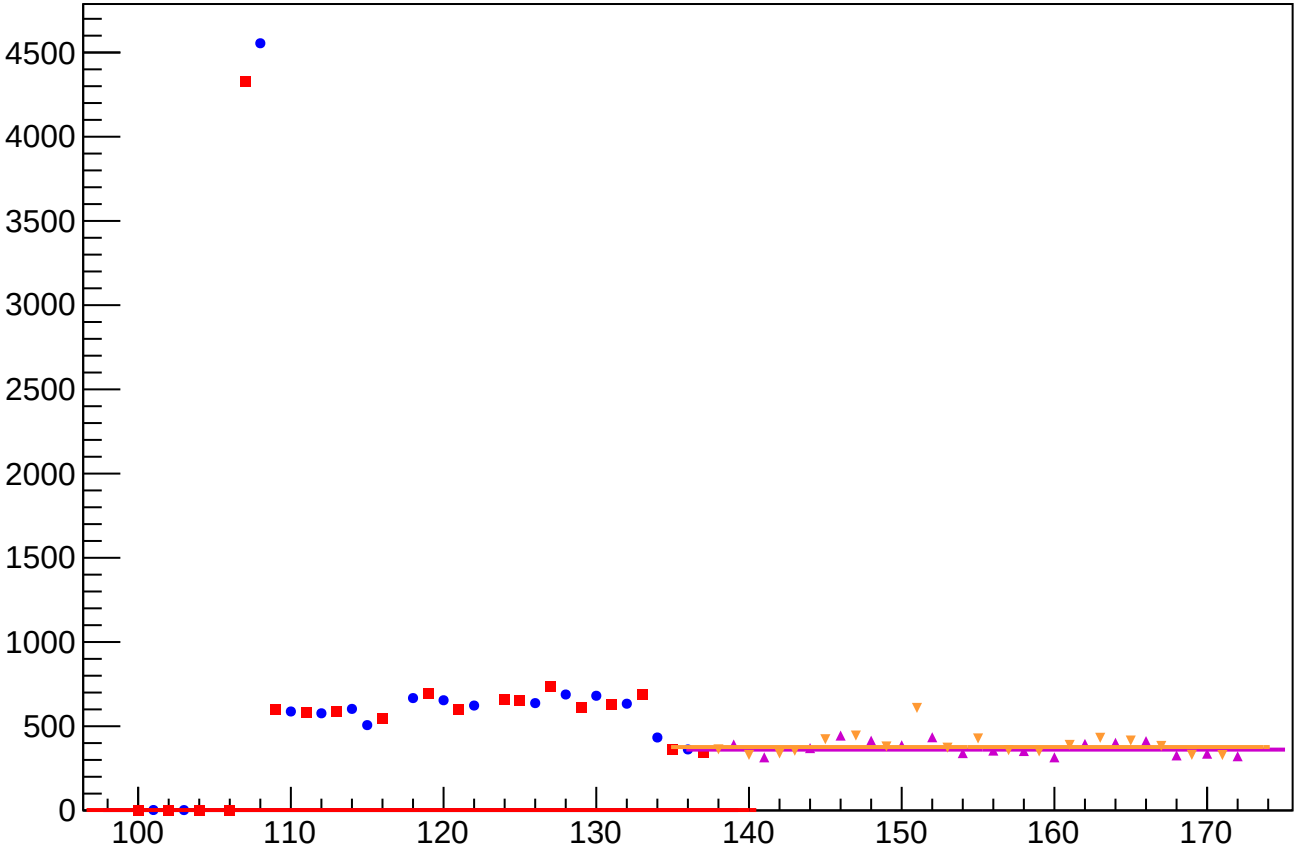
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.175+/-2.170 χ^2/NDF:35.5/32

Out: 1.311+/-2.022 χ^2/NDF:62.8/36

All: 0.156+/-1.479 χ^2/NDF: 99.0/69

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 376.426+/-0.072 χ^2/NDF:492538.6/17

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: 368.575+/-0.050 χ^2/NDF: 837363.4/34

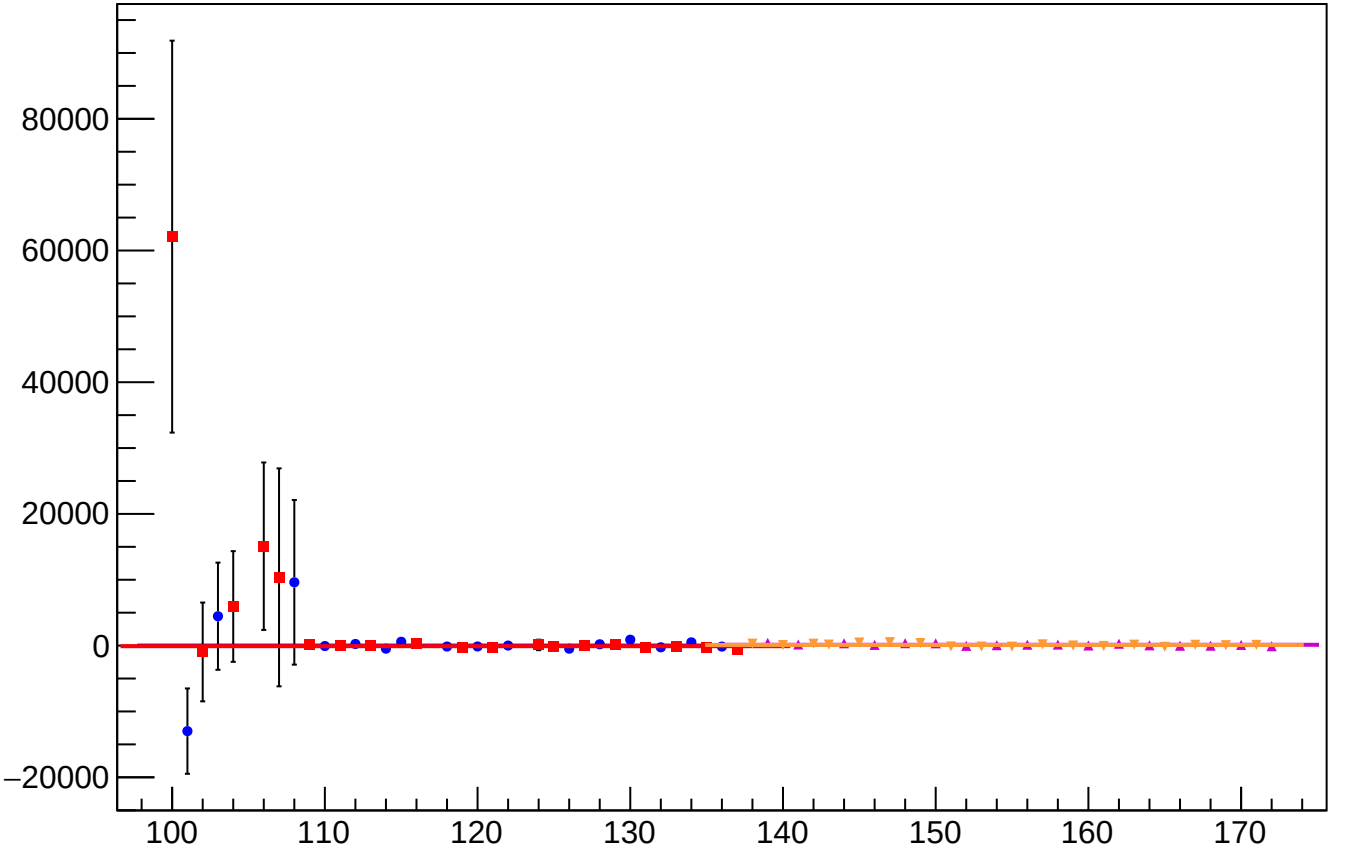
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.653+/-0.002 χ^2/NDF:38768401.3/32

Out: 2.612+/-0.001 χ^2/NDF:39362419.8/36

All: 2.631+/-0.001 χ^2/NDF: 78131208.2/69

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 98.736+/-61.753 χ^2/NDF:8.3/17

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: 112.326+/-40.912 χ^2/NDF: 15.2/34

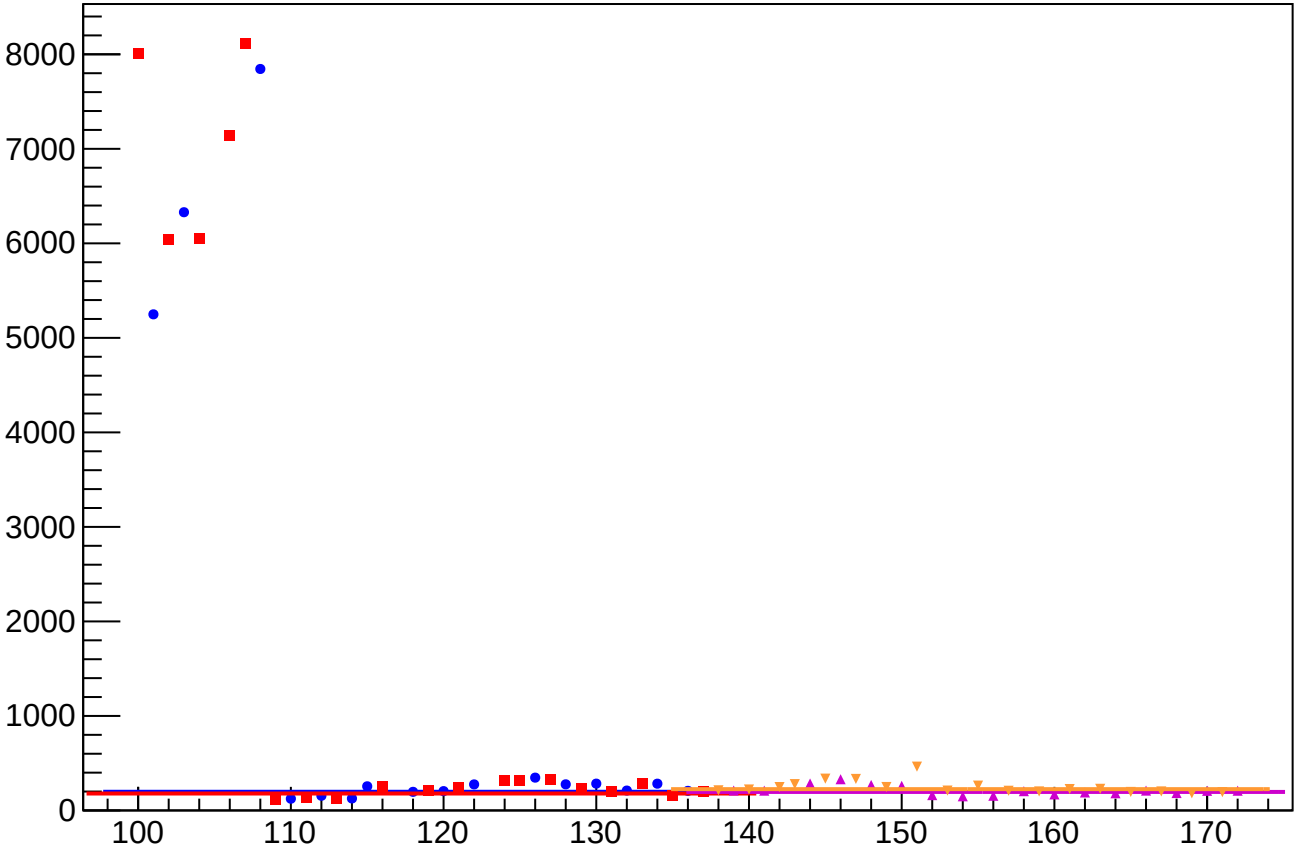
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 88.824+/-46.380 χ^2/NDF:25.0/32

Out: 30.708+/-49.243 χ^2/NDF:26.5/36

All: 61.504+/-33.762 χ^2/NDF: 52.3/69

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 225.440+/-0.044 χ^2/NDF:1122961.4/17

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: 208.914+/-0.029 χ^2/NDF: 2472831.6/34

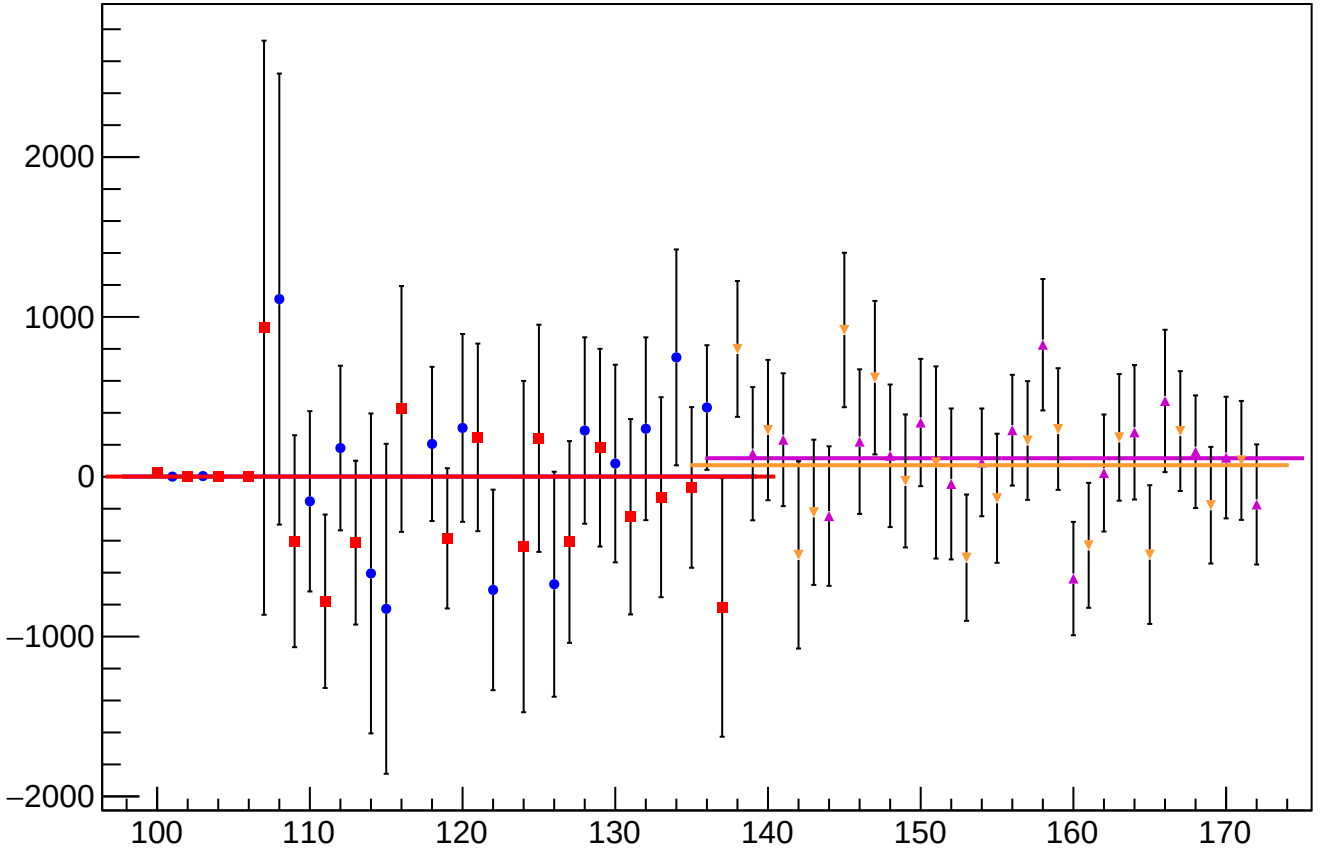
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 196.441+/-0.033 χ^2/NDF:5052258.6/32

Out: 208.621+/-0.035 χ^2/NDF:5948831.8/36

All: 202.167+/-0.024 χ^2/NDF: 11065929.9/69

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 72.353+/-98.825 χ^2/NDF:16.2/17

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: 94.768+/-68.831 χ^2/NDF: 26.7/34

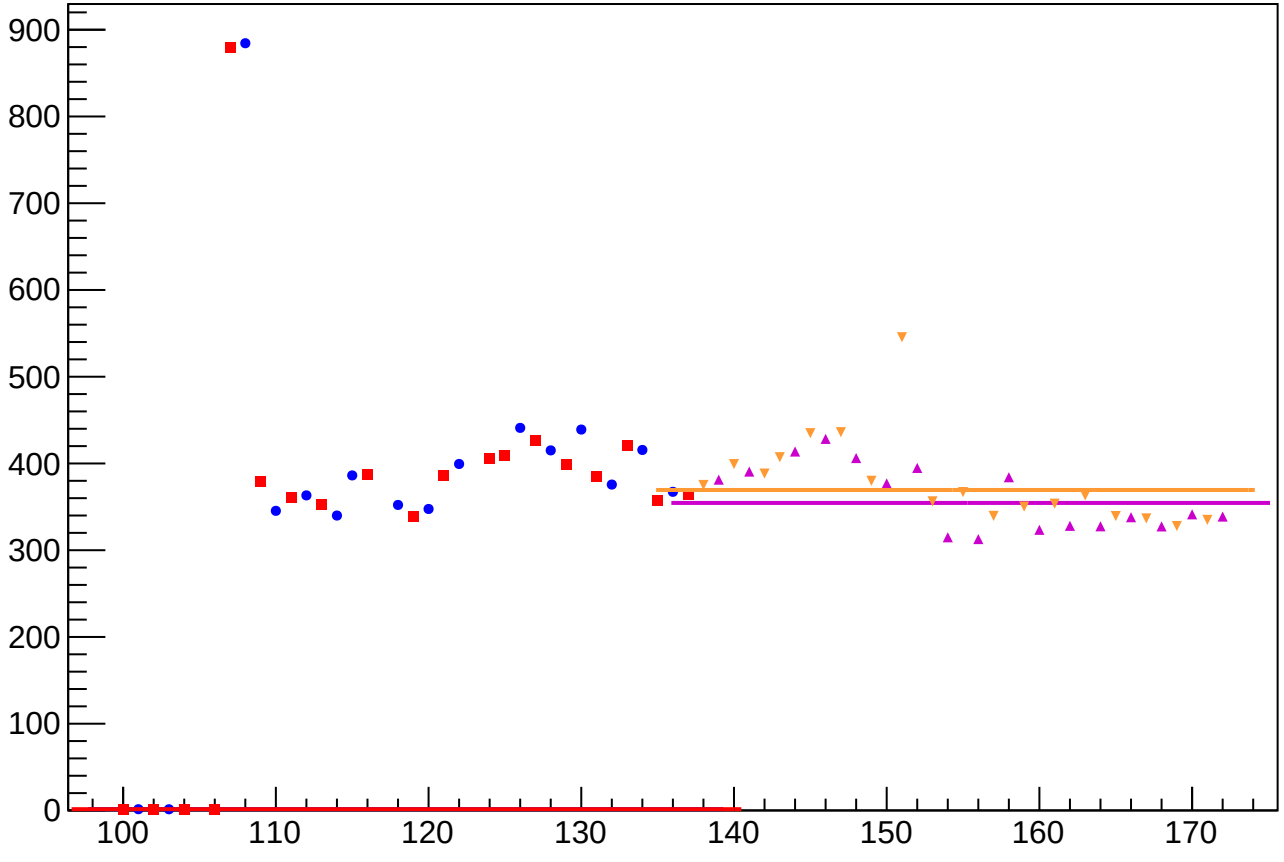
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.490+/-1.660 χ^2/NDF:19.8/32

Out: 1.111+/-1.528 χ^2/NDF:25.9/36

All: 1.285+/-1.124 χ^2/NDF: 45.7/69

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 369.432+/-0.070 χ^2/NDF:365425.6/17

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: 361.751+/-0.049 χ^2/NDF: 671448.0/34

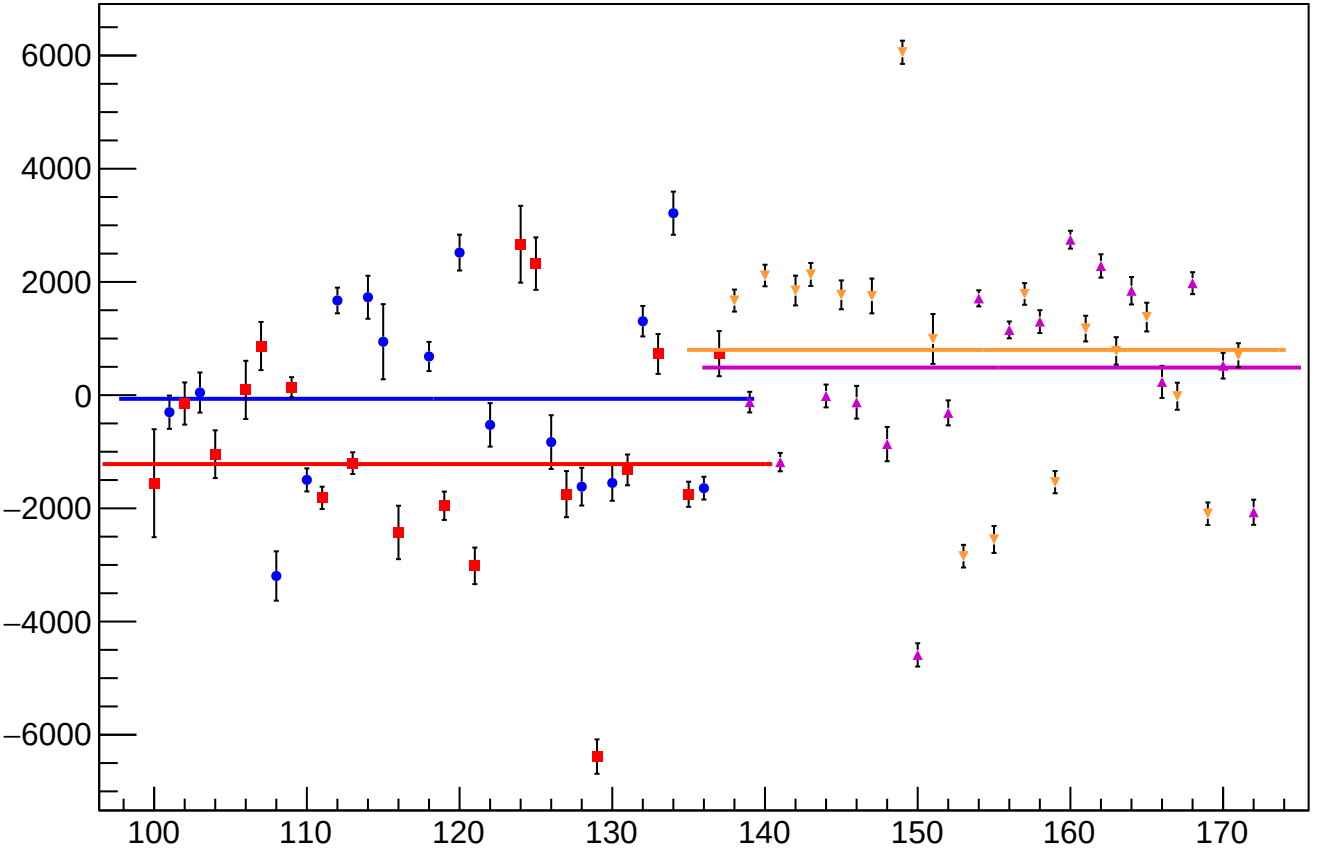
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.576+/-0.001 χ^2/NDF:39101359.4/32

Out: 1.555+/-0.001 χ^2/NDF:39356814.4/36

All: 1.565+/-0.001 χ^2/NDF: 78458344.3/69

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 799.597+/-52.688 χ^2/NDF:1737.3/17

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: 628.066+/-35.398 χ^2/NDF: 3138.3/34

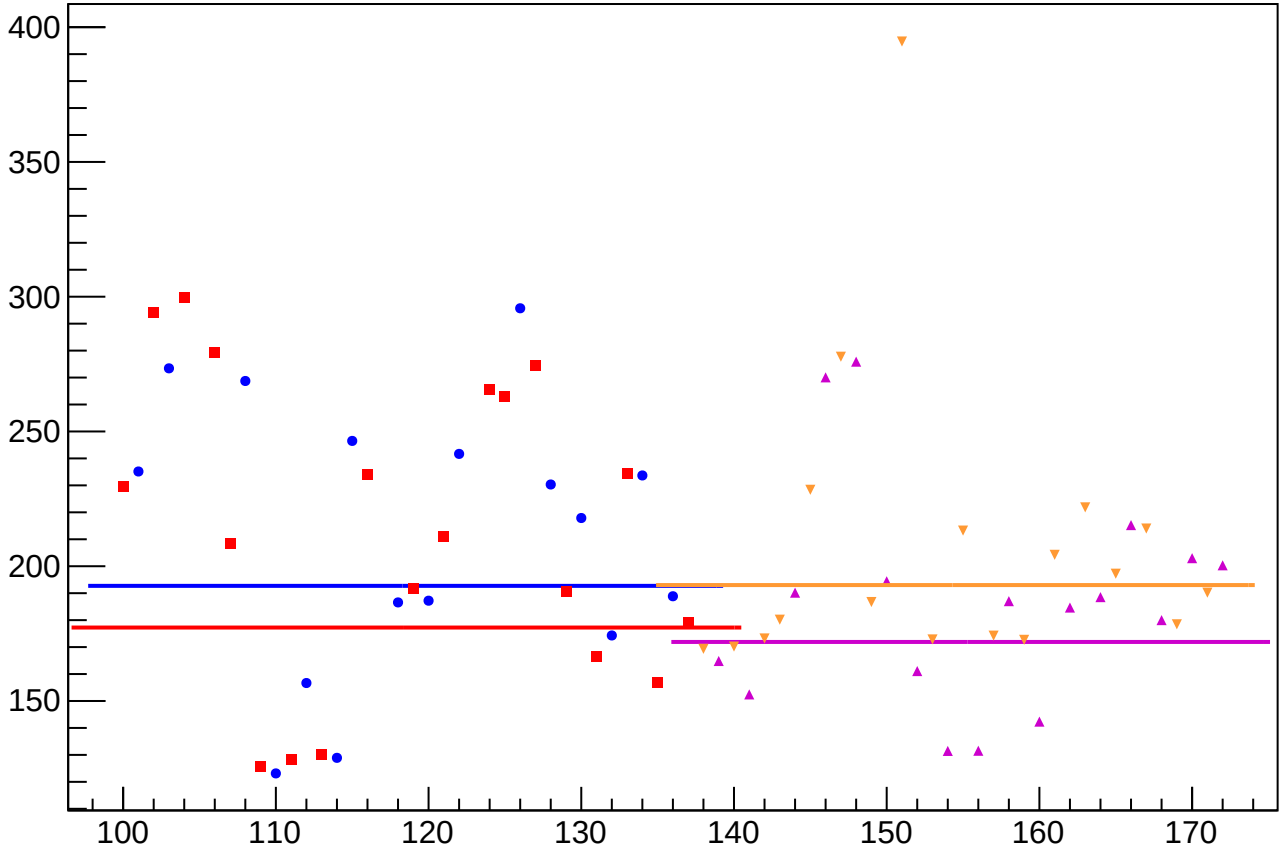
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: 327.249+/-40.287 χ^2/NDF:1889.7/32

Out: 56.831+/-41.881 χ^2/NDF:2871.7/36

All: 197.285+/-29.034 χ^2/NDF: 4783.1/69

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 193.009+/-0.037 χ^2/NDF:824249.7/17

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: 181.431+/-0.025 χ^2/NDF: 2070416.7/34

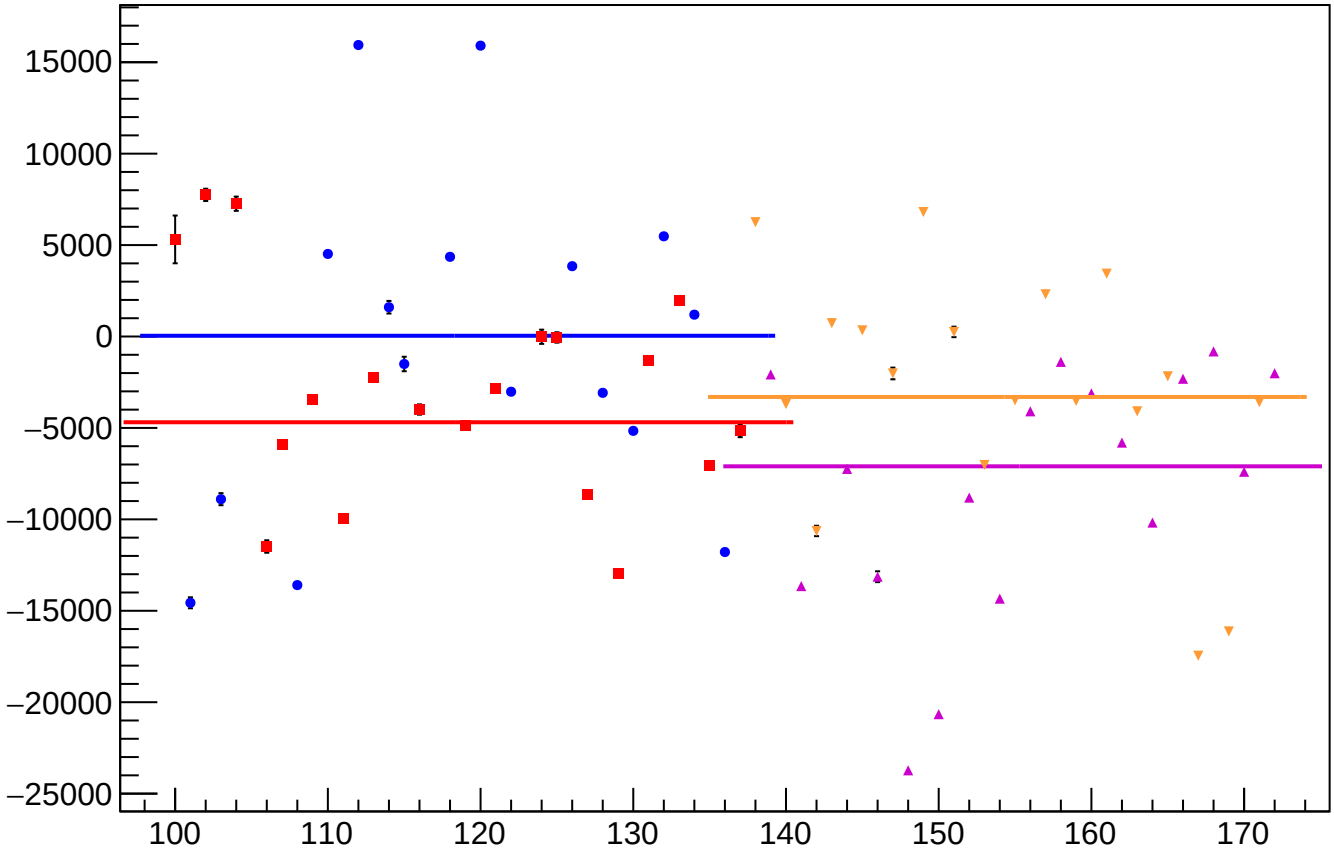
Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 177.928+/-0.028 χ^2/NDF:1939047.1/32

Out: 187.207+/-0.030 χ^2/NDF:2116292.7/36

All: 182.388+/-0.021 χ^2/NDF: 4106338.4/69

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -3306.194+/-45.499 χ^2/NDF:20112.5/17

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: -5169.509+/-32.453 χ^2/NDF: 41134.9/34

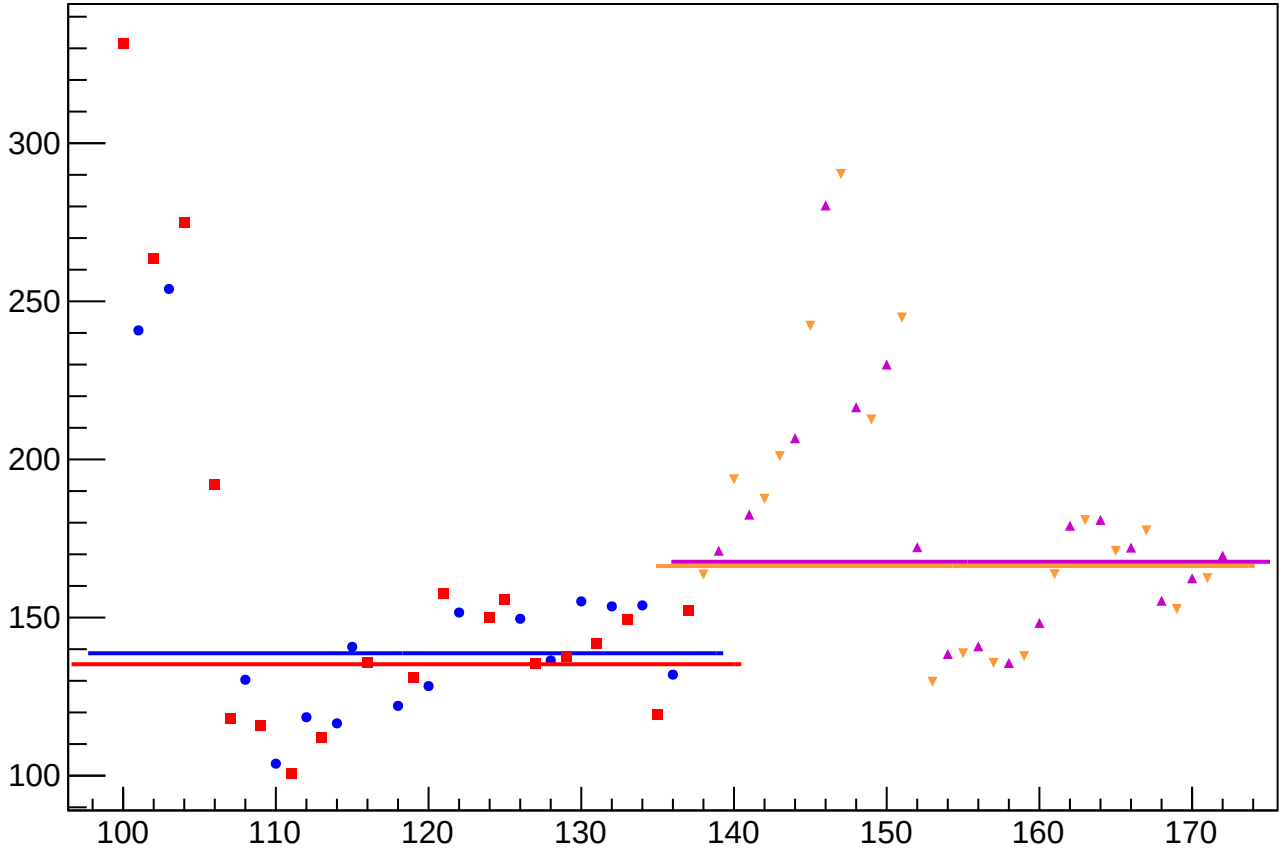
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4086.701+/-35.205 χ^2/NDF:58427.6/32

Out: -3904.872+/-34.269 χ^2/NDF:28308.3/36

All: -3993.338+/-24.556 χ^2/NDF: 86749.6/69

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 166.282+/-0.032 χ^2/NDF:1158213.0/17

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 167.647+/-0.033 χ^2/NDF:860364.4/16

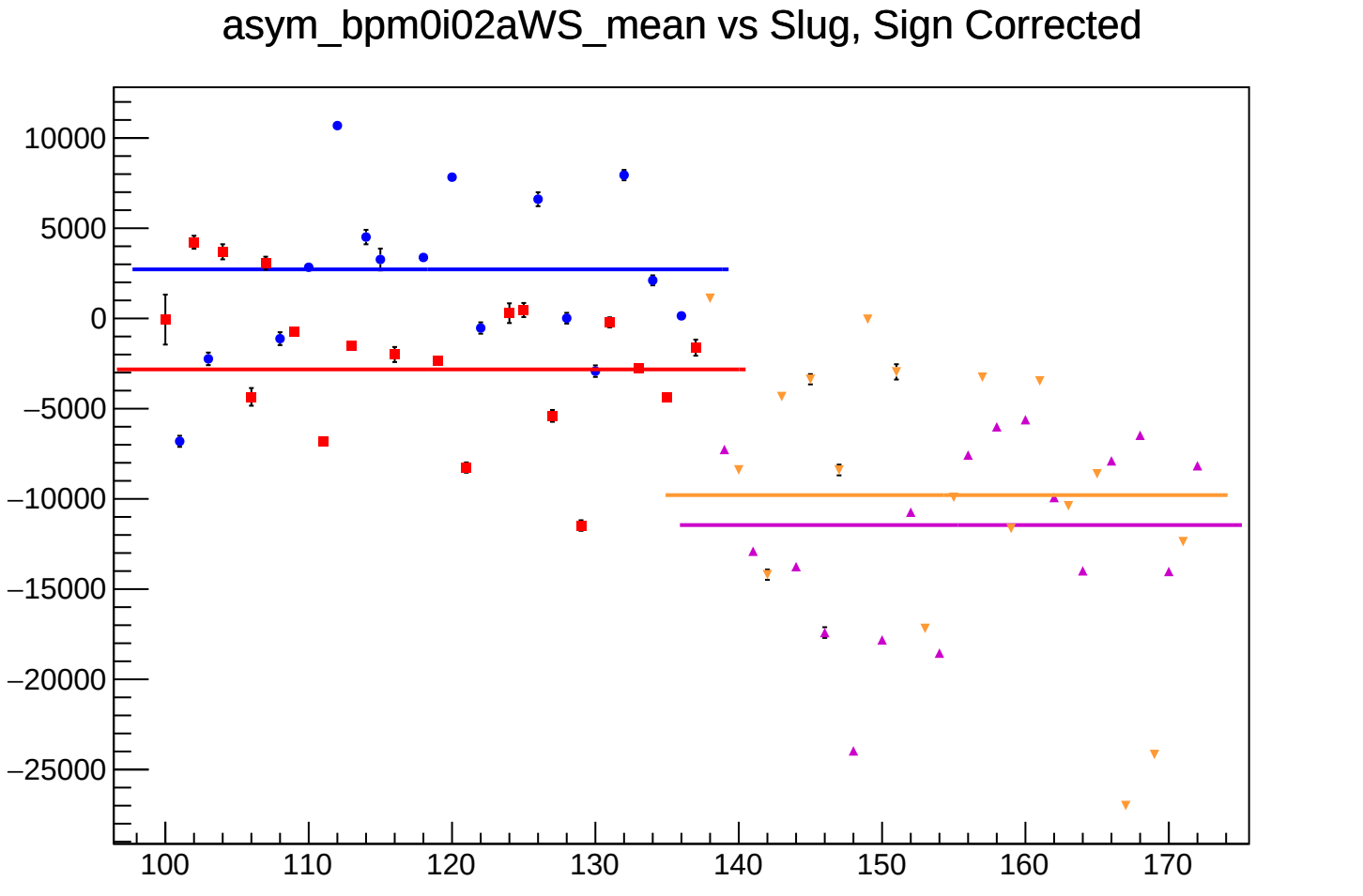
Left: 166.953+/-0.023 χ^2/NDF: 2019461.7/34

Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 155.439+/-0.025 χ^2/NDF:1847698.0/32

Out: 152.852+/-0.024 χ^2/NDF:2450956.1/36

All: 154.111+/-0.017 χ^2/NDF: 4304201.2/69



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -9790.510+/-53.302 χ^2/NDF:21756.8/17

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: -10686.350+/-36.158 χ^2/NDF: 32850.9/34

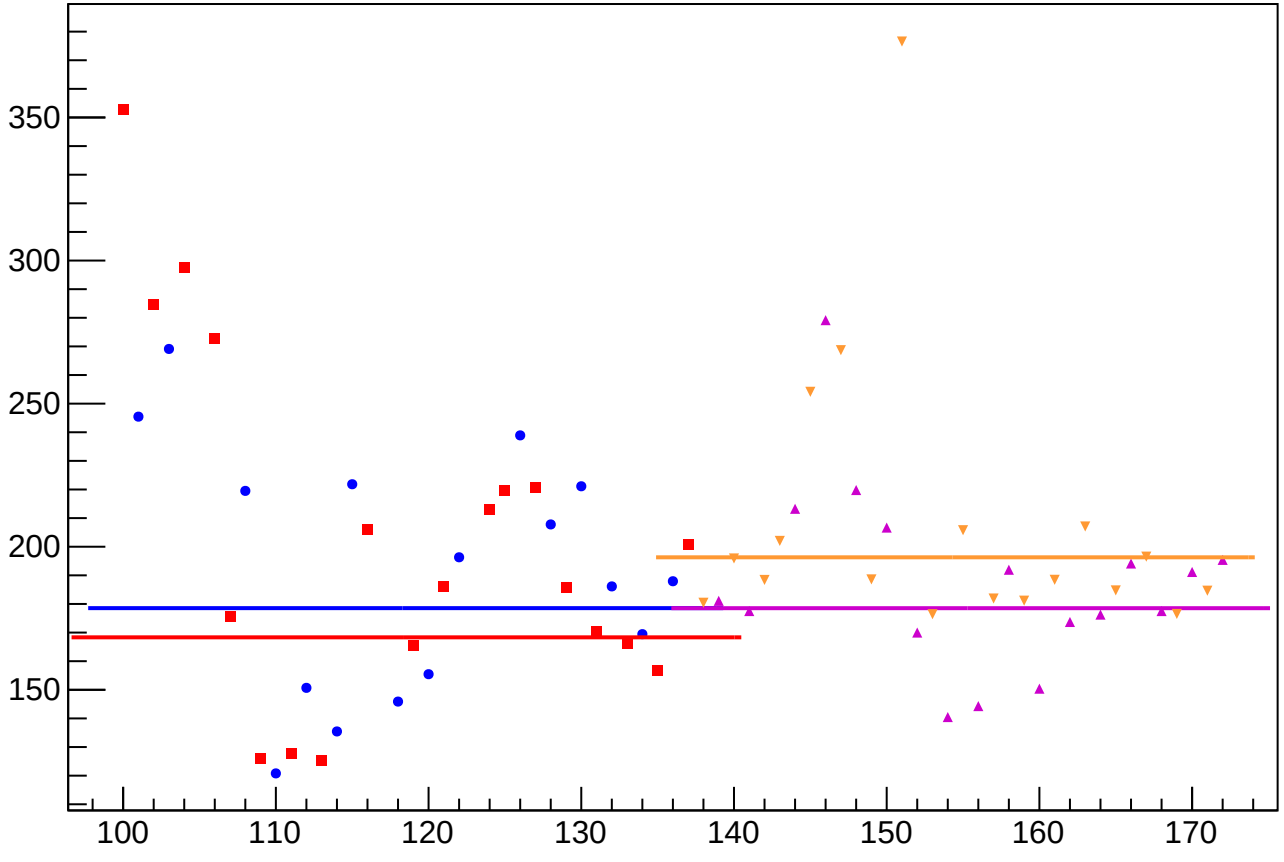
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6694.765+/-40.115 χ^2/NDF:42521.0/32

Out: -6981.573+/-41.178 χ^2/NDF:31707.5/36

All: -6834.419+/-28.734 χ^2/NDF: 74253.4/69

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 196.298+/-0.038 χ^2/NDF:664071.1/17

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: 186.702+/-0.026 χ^2/NDF: 1462882.0/34

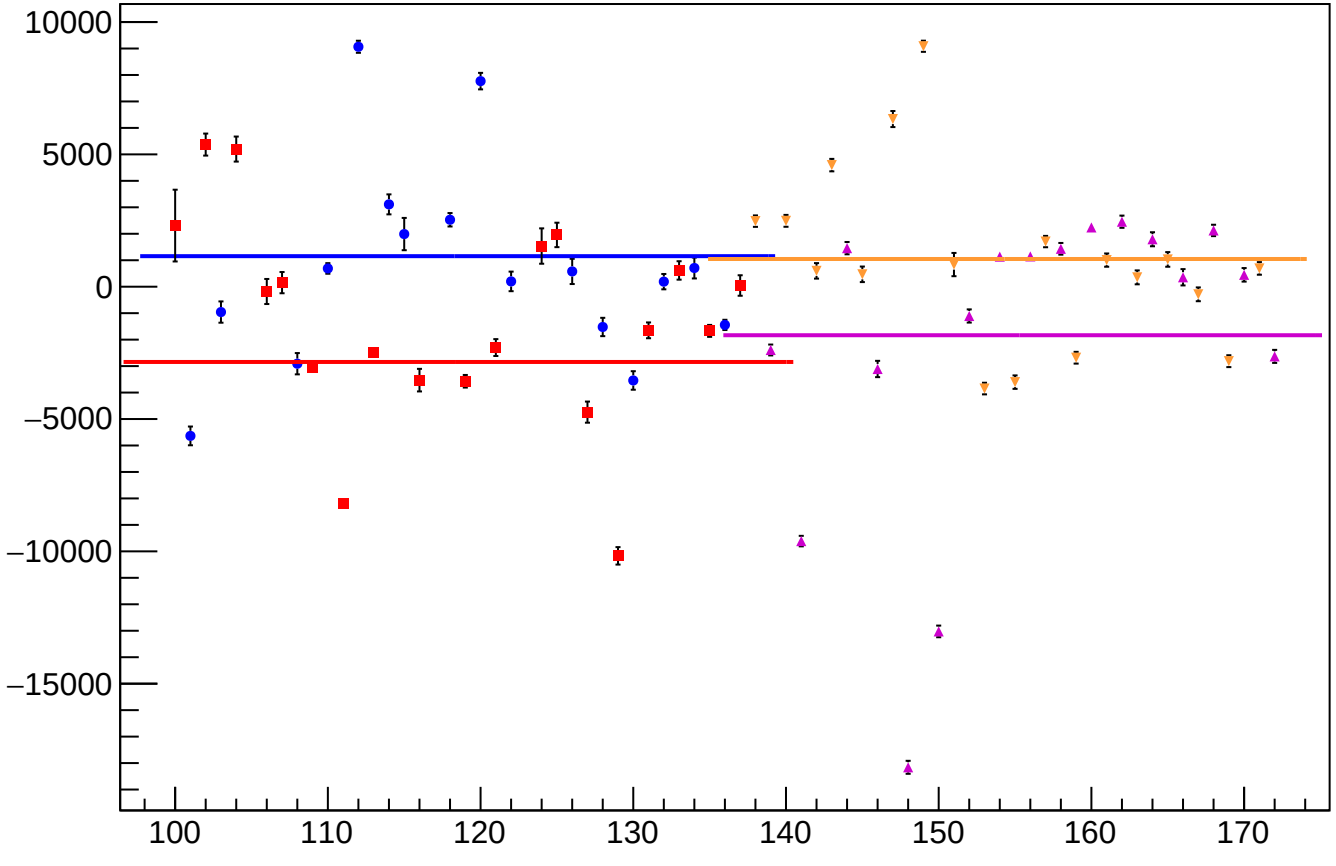
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 178.528+/-0.028 χ^2/NDF:1353291.2/32

Out: 185.024+/-0.029 χ^2/NDF:1865498.2/36

All: 181.691+/-0.020 χ^2/NDF: 3244323.7/69

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1047.122+/-58.258 χ^2/NDF:3527.1/17

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: -510.114+/-39.488 χ^2/NDF: 15941.9/34

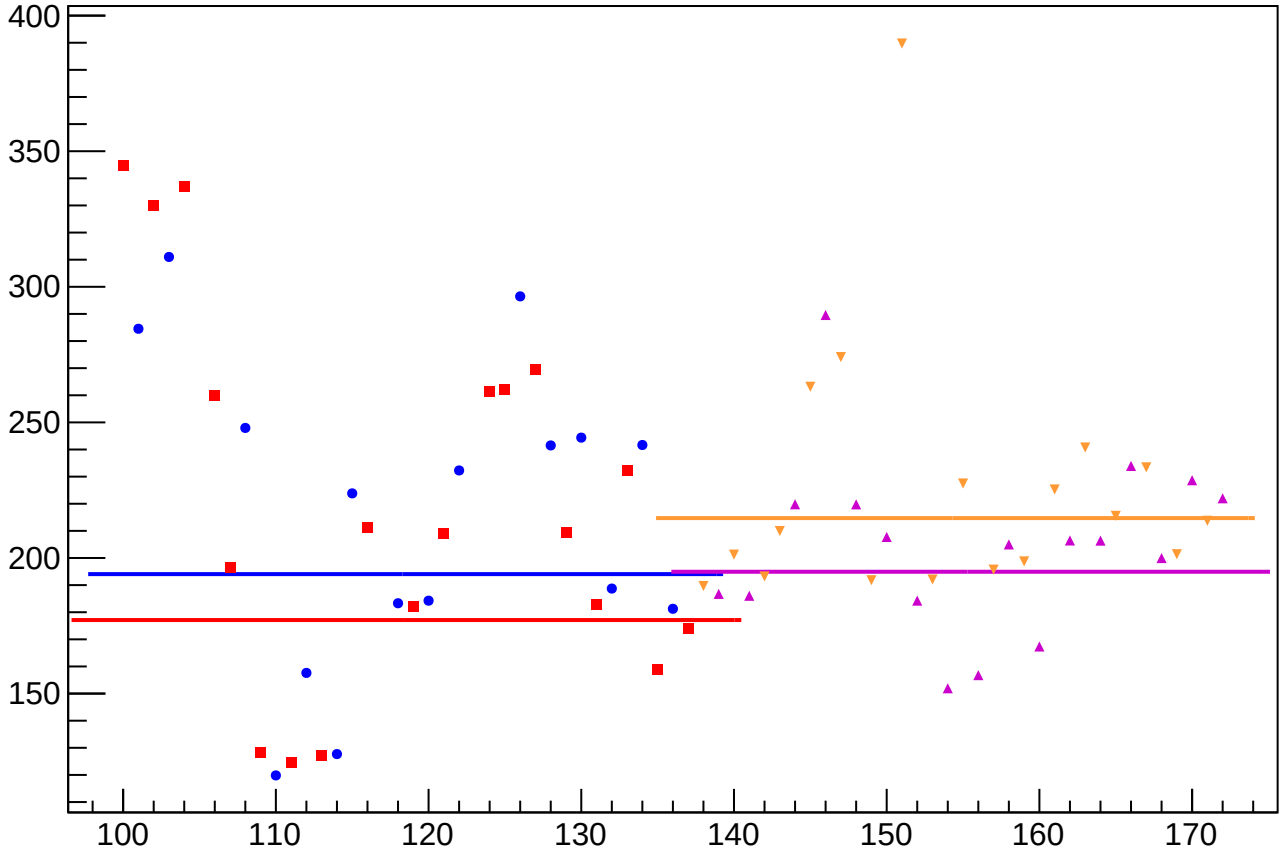
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -837.852+/-43.853 χ^2/NDF:14779.7/32

Out: -568.449+/-44.551 χ^2/NDF:7832.4/36

All: -705.276+/-31.253 χ^2/NDF: 22630.7/69

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.712+/-0.041 χ^2/NDF:609998.8/17

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 194.922+/-0.038 χ^2/NDF:628541.2/16

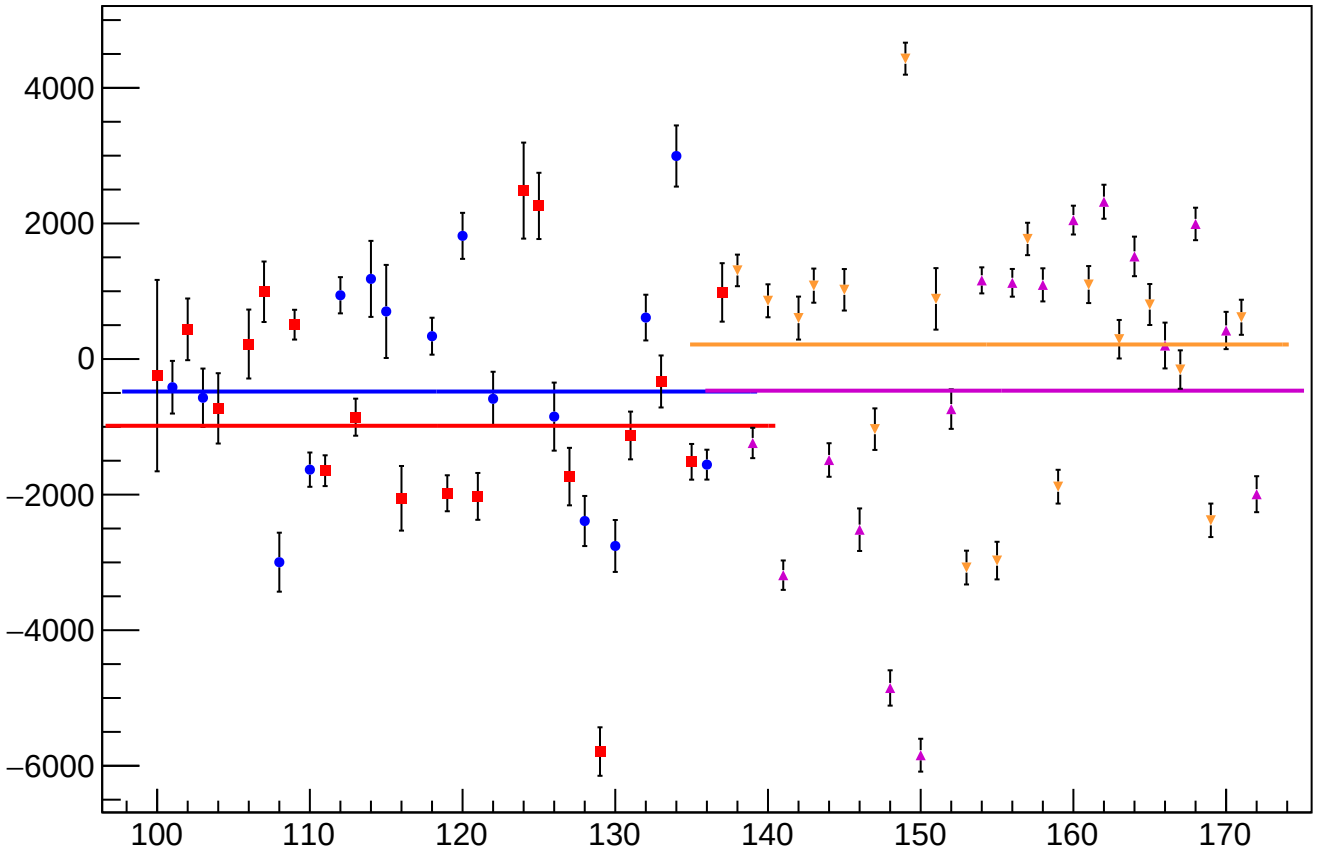
Left: 204.015+/-0.028 χ^2/NDF: 1363298.9/34

Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 194.632+/-0.031 χ^2/NDF:1594501.9/32

Out: 199.102+/-0.032 χ^2/NDF:2315205.2/36

All: 196.832+/-0.022 χ^2/NDF: 3919930.2/69



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 214.749+/-63.457 χ^2/NDF:935.3/17

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: -147.799+/-43.408 χ^2/NDF: 2637.9/34

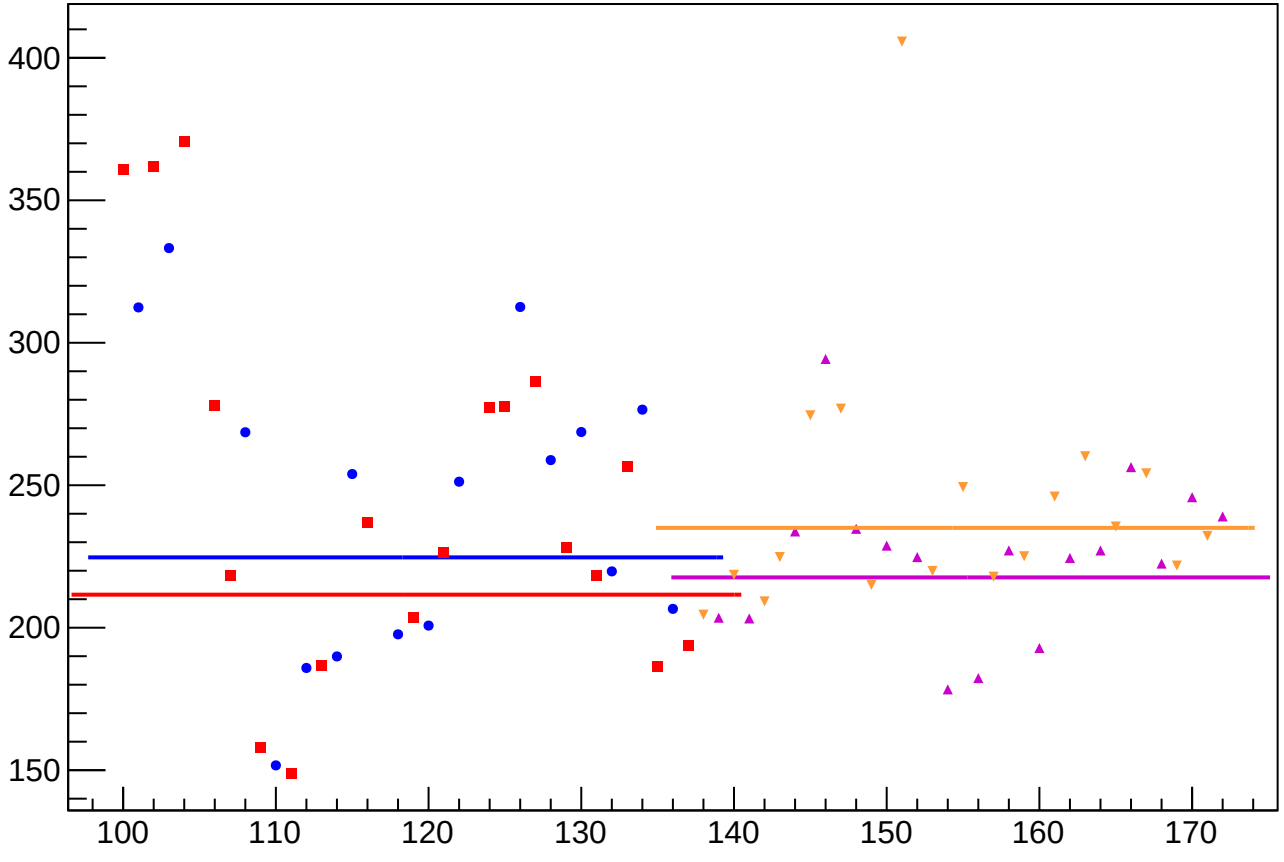
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -470.698+/-49.061 χ^2/NDF:1946.8/32

Out: -241.732+/-49.940 χ^2/NDF:1469.4/36

All: -358.248+/-34.998 χ^2/NDF: 3426.8/69

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.048+/-0.045 χ^2/NDF:487894.6/17

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: 225.795+/-0.031 χ^2/NDF: 964668.7/34

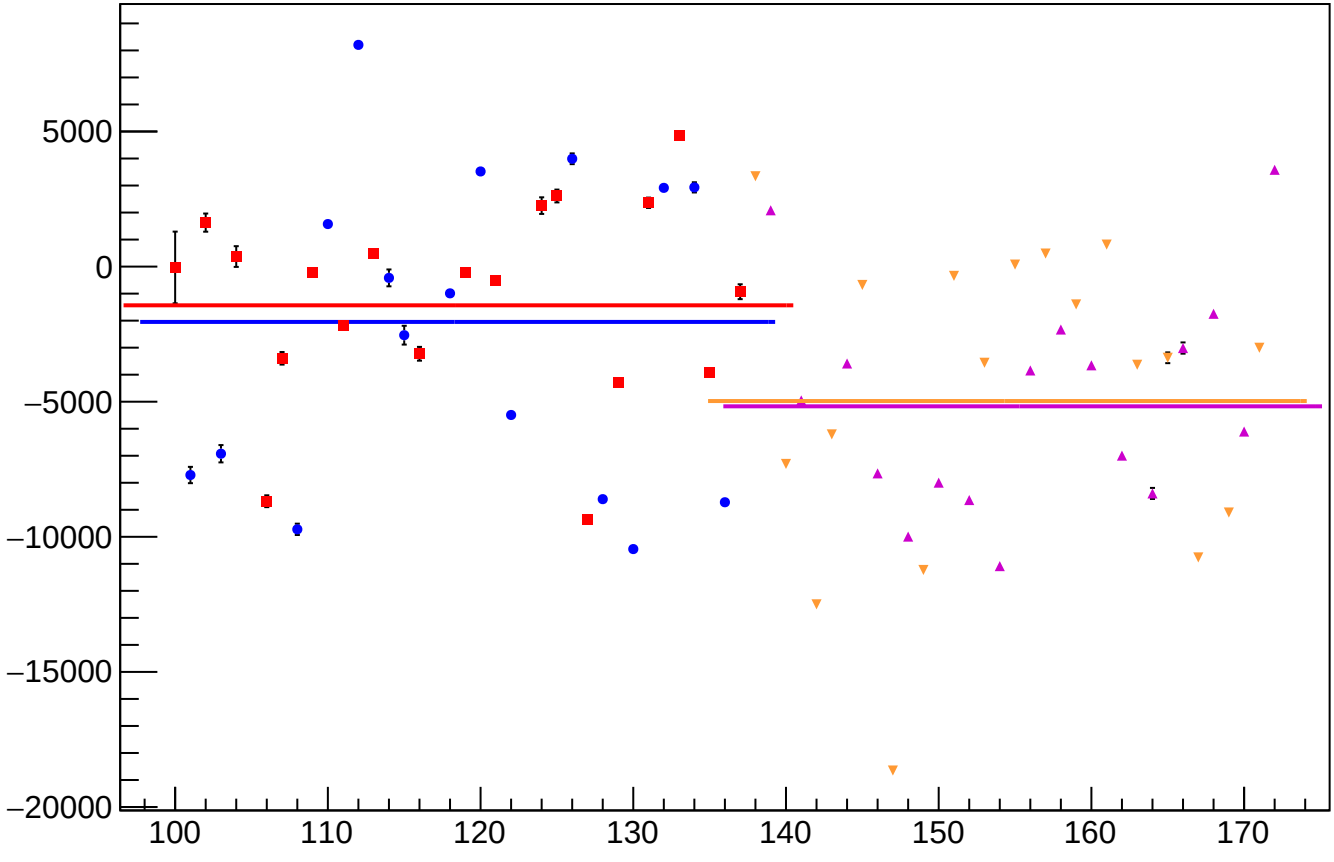
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 219.907+/-0.035 χ^2/NDF:1058966.8/32

Out: 226.121+/-0.035 χ^2/NDF:1524787.8/36

All: 222.959+/-0.025 χ^2/NDF: 2599510.4/69

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4975.350+/-33.293 χ^2/NDF:31638.2/17

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: -5071.110+/-23.791 χ^2/NDF: 44641.6/34

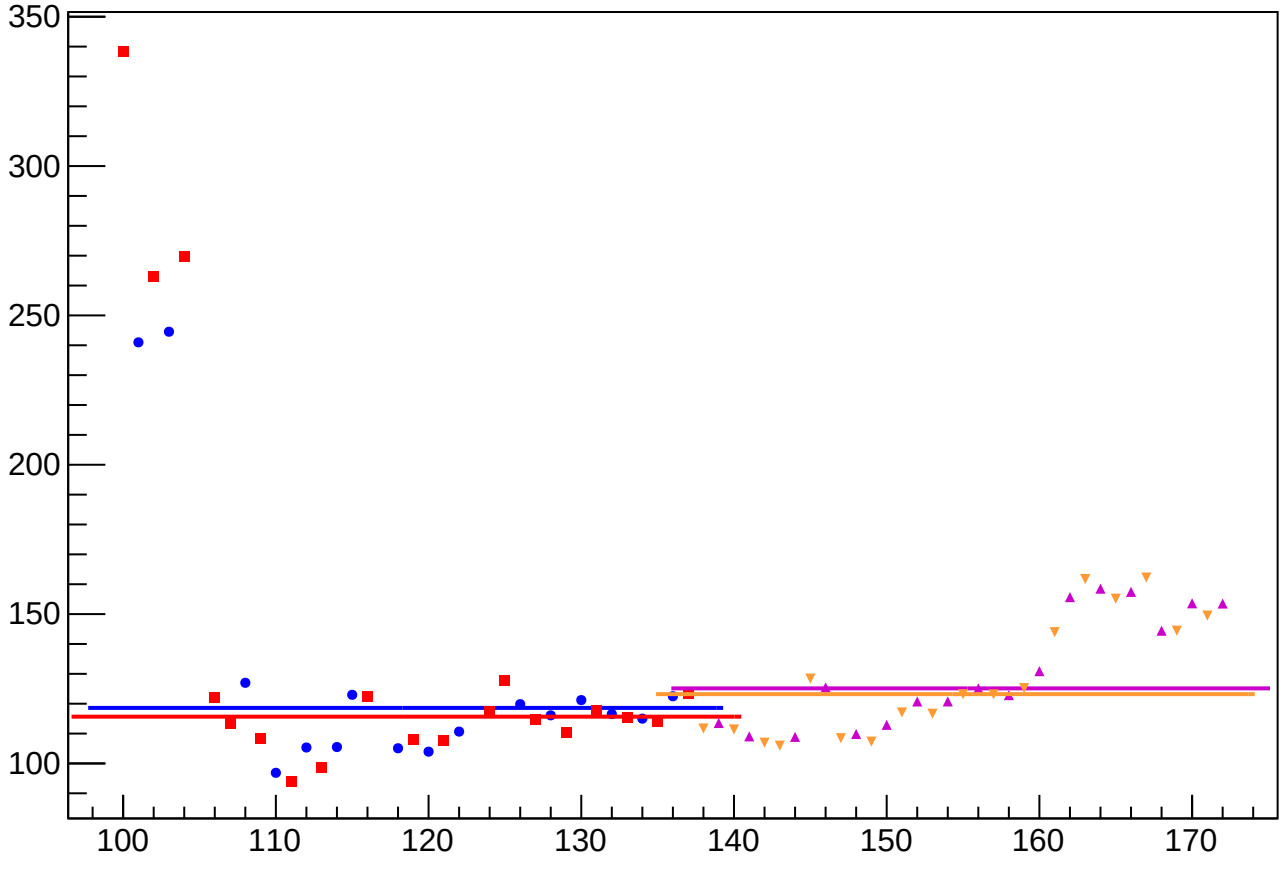
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4089.140+/-27.496 χ^2/NDF:32617.5/32

Out: -3712.436+/-26.707 χ^2/NDF:42062.2/36

All: -3895.304+/-19.158 χ^2/NDF: 74776.3/69

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 123.201+/-0.024 χ^2/NDF:530736.7/17

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: 124.146+/-0.017 χ^2/NDF: 991671.6/34

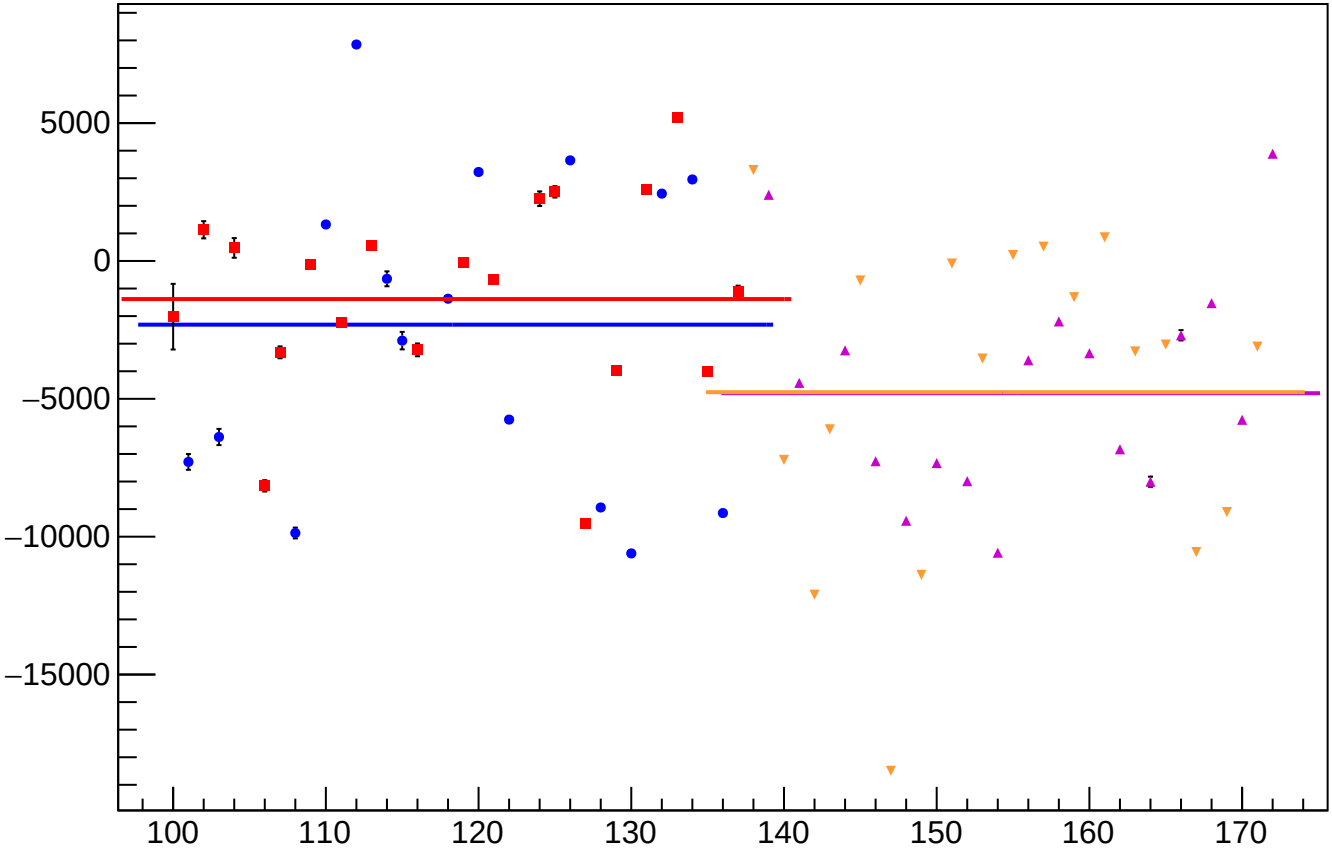
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 122.869+/-0.019 χ^2/NDF:1217389.2/32

Out: 120.512+/-0.019 χ^2/NDF:1431527.4/36

All: 121.656+/-0.014 χ^2/NDF: 2656474.0/69

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4759.609+/-29.887 χ^2/NDF:38326.8/17

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: -4777.633+/-21.367 χ^2/NDF: 53582.3/34

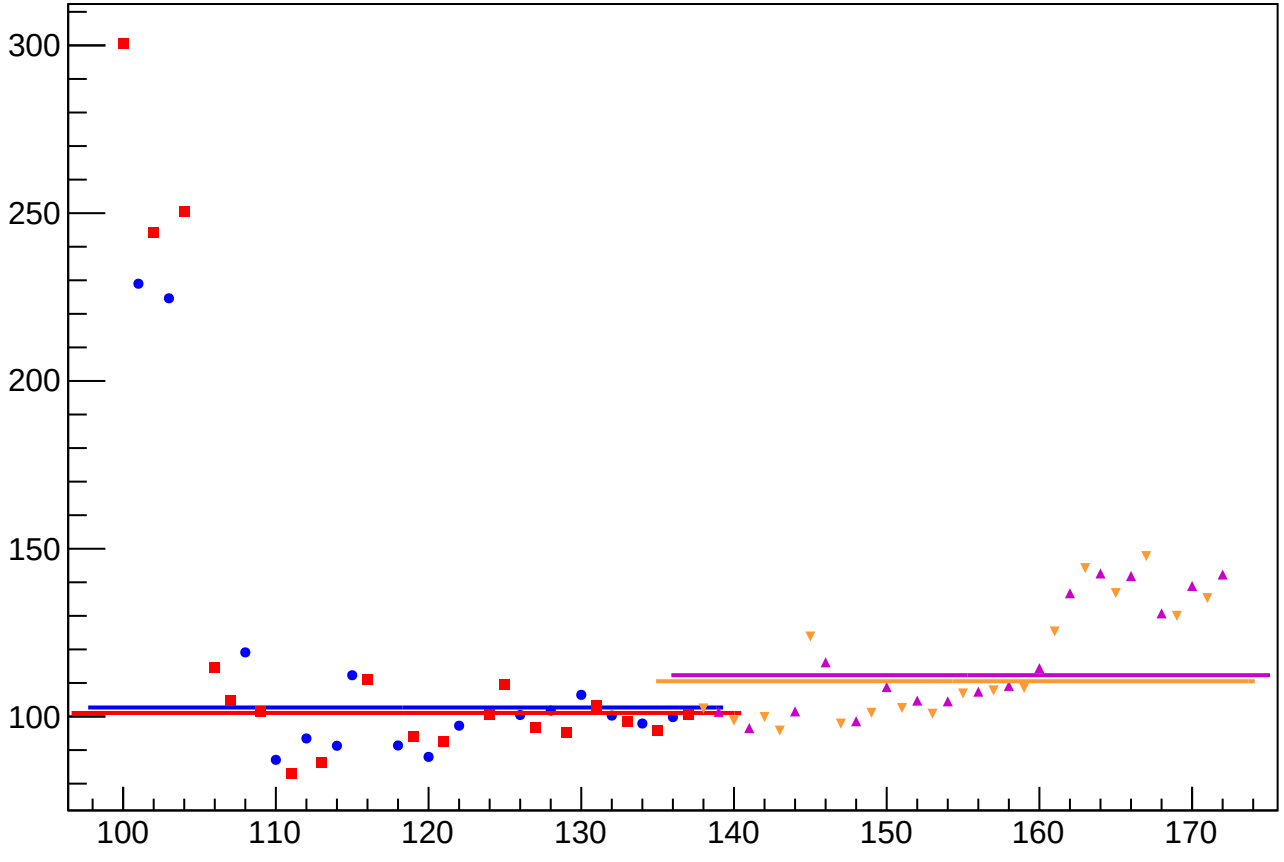
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -3901.239+/-24.445 χ^2/NDF:39317.3/32

Out: -3523.717+/-23.799 χ^2/NDF:51578.8/36

All: -3707.421+/-17.052 χ^2/NDF: 91018.5/69

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 110.516+/-0.021 χ^2/NDF:515585.4/17

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: 111.400+/-0.015 χ^2/NDF: 981762.4/34

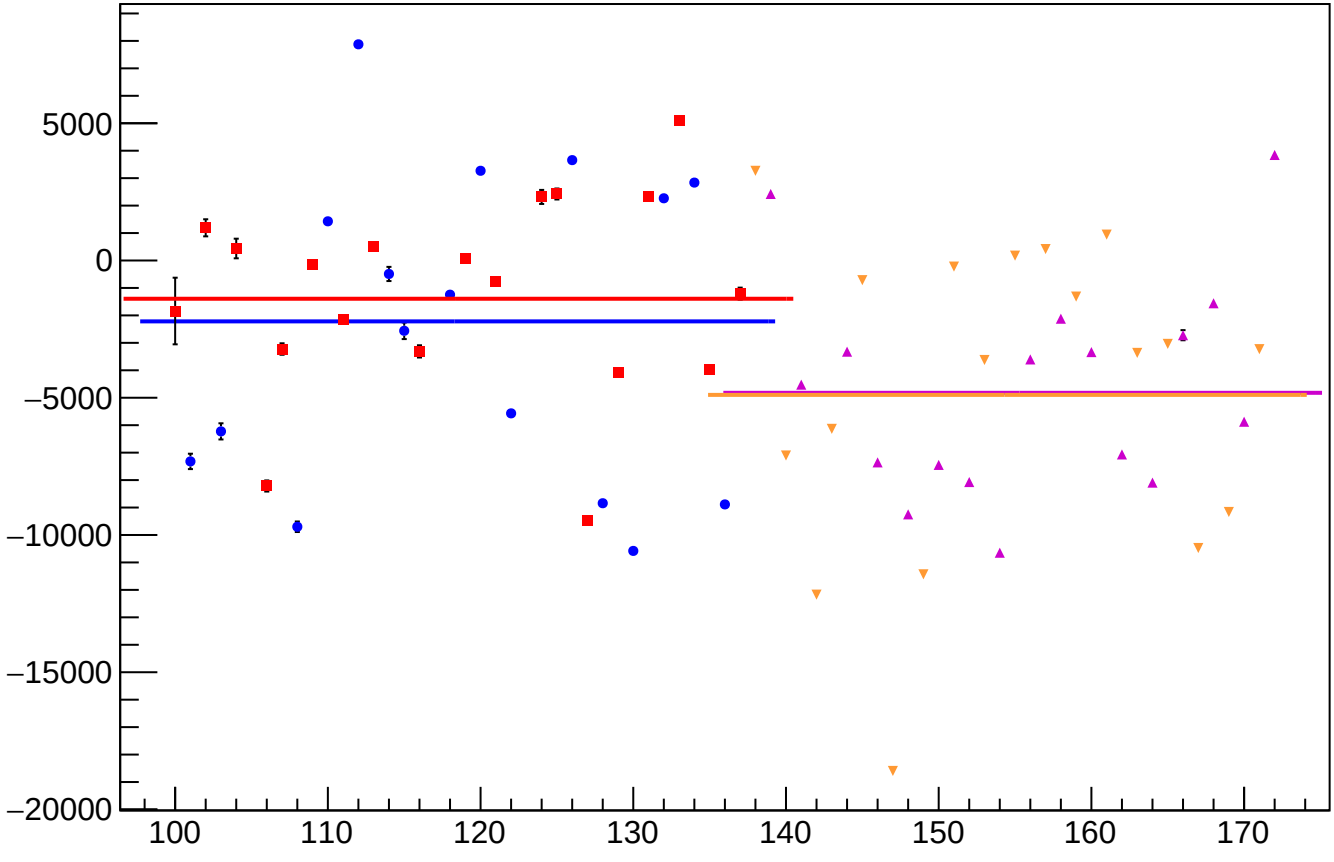
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 108.856+/-0.017 χ^2/NDF:1359922.6/32

Out: 107.057+/-0.017 χ^2/NDF:1519251.9/36

All: 107.932+/-0.012 χ^2/NDF: 2884733.4/69

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4895.786+/-29.259 χ^2/NDF:41137.9/17

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: -4858.845+/-20.904 χ^2/NDF: 57289.8/34

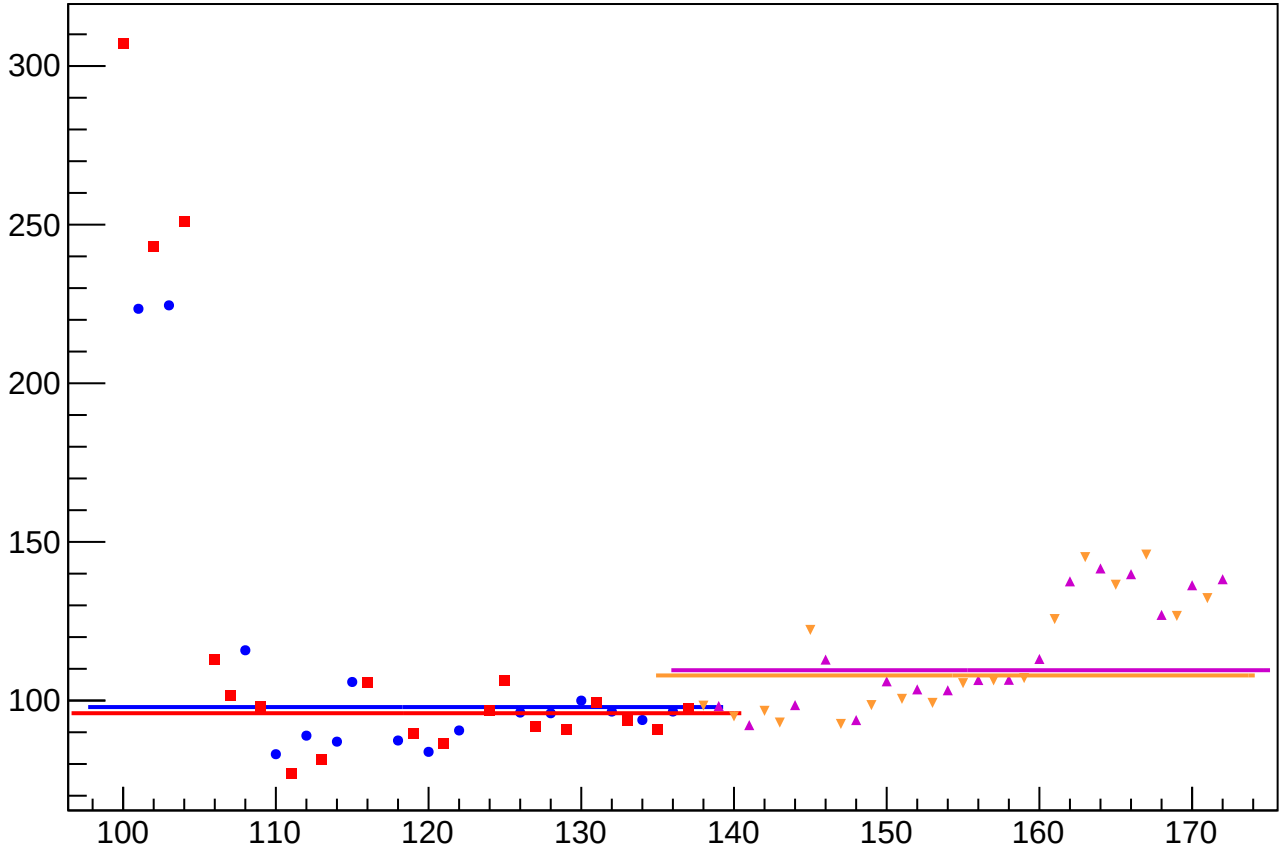
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -3859.210+/-23.725 χ^2/NDF:41991.6/32

Out: -3574.019+/-23.087 χ^2/NDF:55697.4/36

All: -3712.725+/-16.546 χ^2/NDF: 97763.2/69

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 107.911+/-0.021 χ^2/NDF:589533.5/17

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: 108.718+/-0.015 χ^2/NDF: 1105533.8/34

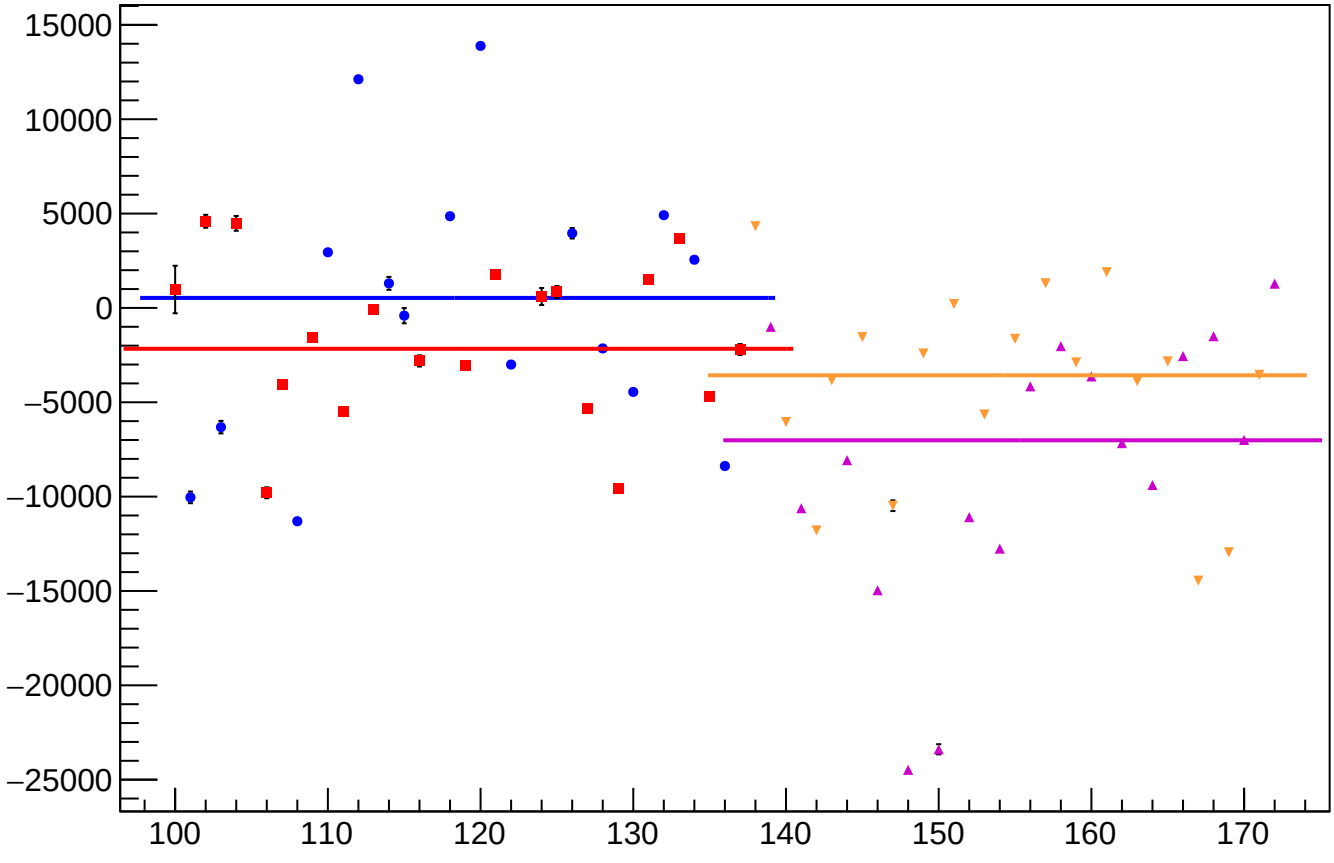
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 105.269+/-0.017 χ^2/NDF:1492709.2/32

Out: 103.418+/-0.016 χ^2/NDF:1726811.5/36

All: 104.318+/-0.012 χ^2/NDF: 3225778.7/69

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -3569.482+/-41.784 χ^2/NDF:13808.7/17

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: -5236.514+/-30.019 χ^2/NDF: 36123.0/34

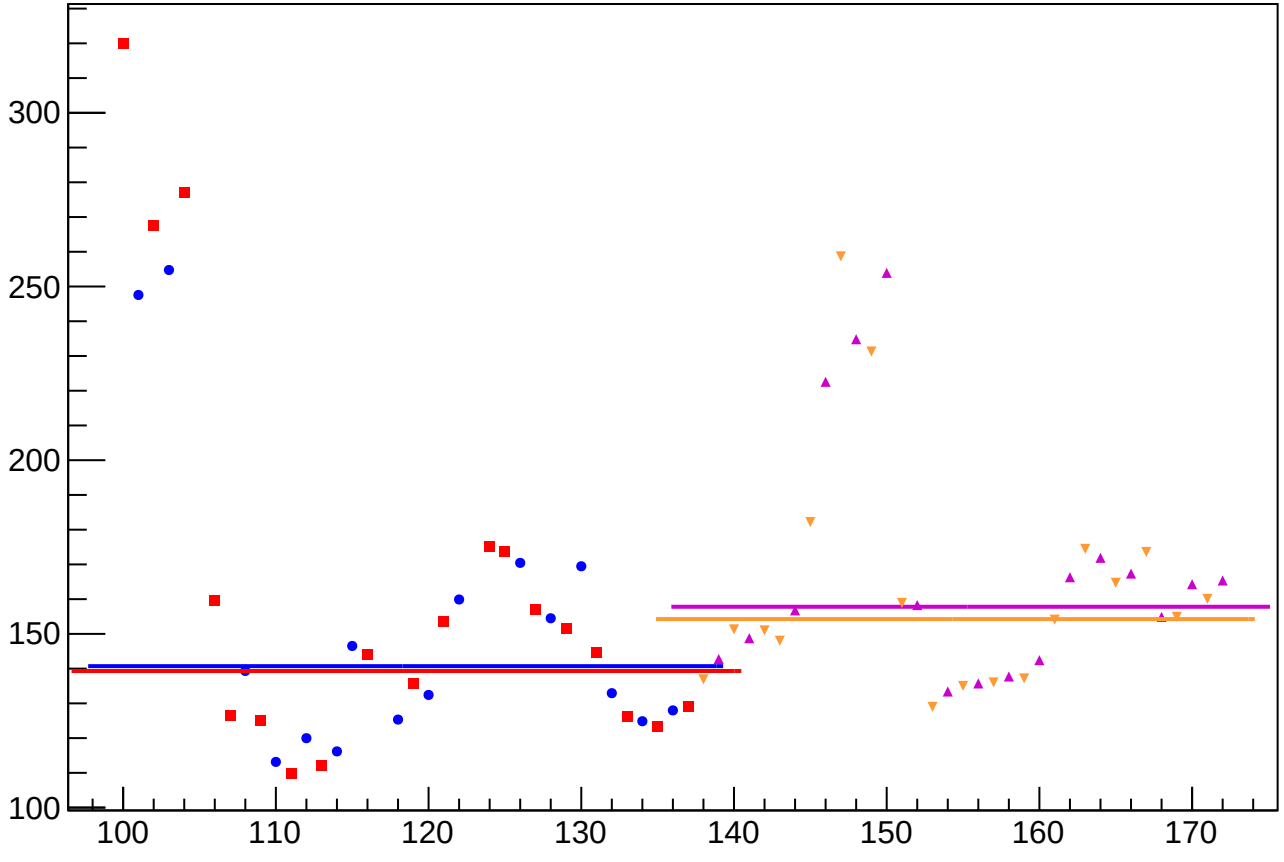
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -4130.105+/-33.917 χ^2/NDF:49299.1/32

Out: -3036.837+/-32.921 χ^2/NDF:19204.4/36

All: -3567.180+/-23.623 χ^2/NDF: 69038.5/69

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 154.268+/-0.030 χ^2/NDF:720133.0/17

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 157.811+/-0.031 χ^2/NDF:783412.7/16

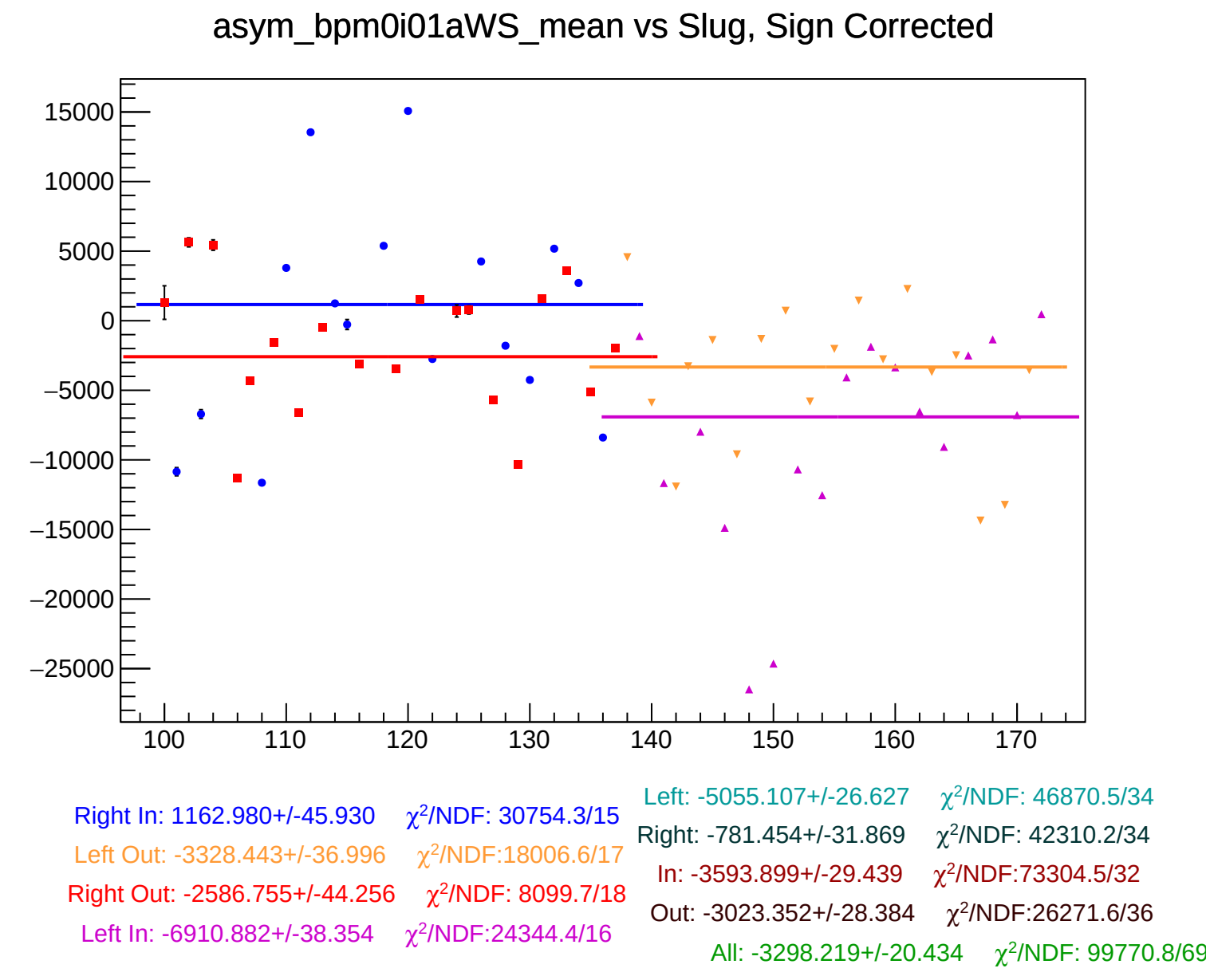
Left: 155.983+/-0.021 χ^2/NDF: 1510501.6/34

Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

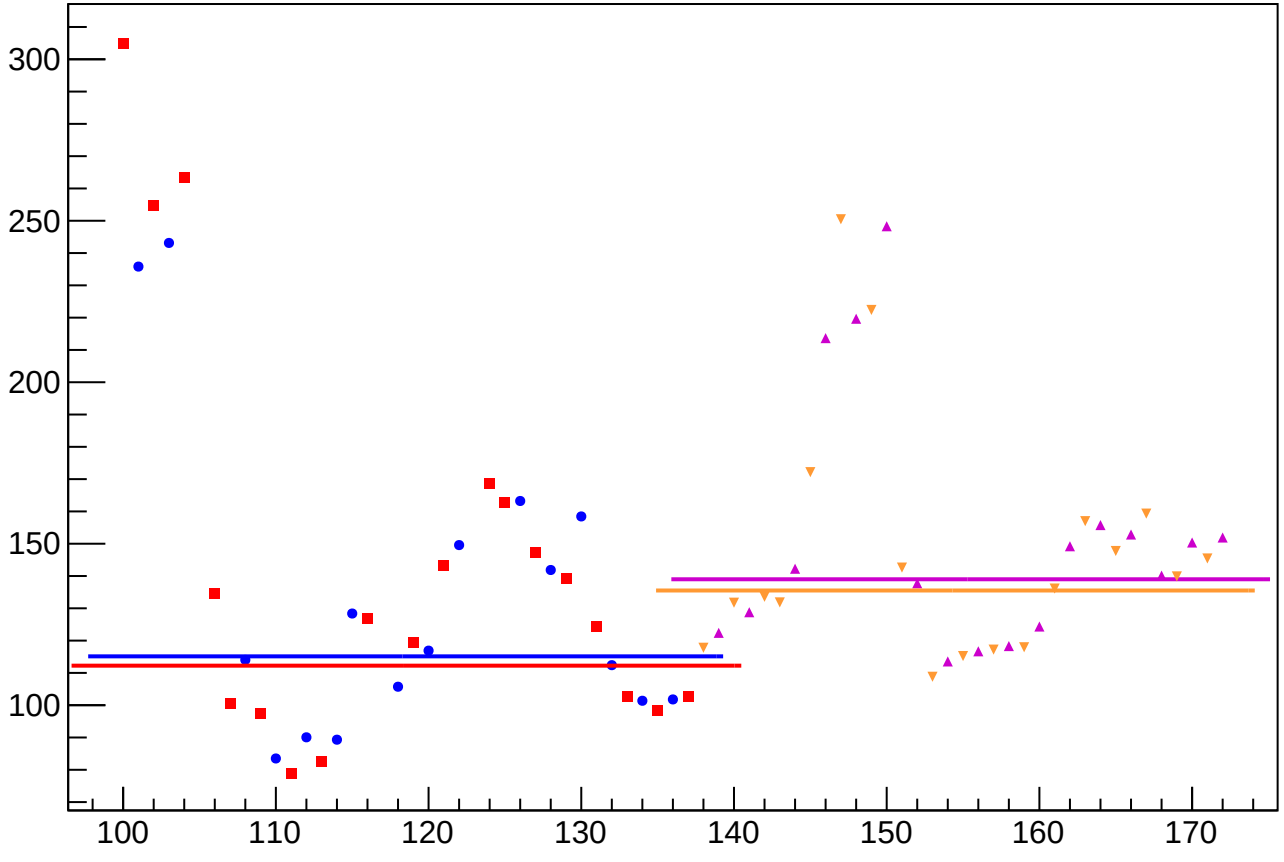
In: 151.275+/-0.024 χ^2/NDF:1579023.0/32

Out: 148.598+/-0.023 χ^2/NDF:1619565.5/36

All: 149.897+/-0.017 χ^2/NDF: 3205003.3/69


asym_bpm0i01aWS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 1162.980+/-45.930 χ²/NDF: 30754.3/15
Left Out: -3328.443+/-36.996 χ²/NDF:18006.6/17
Right Out: -2586.755+/-44.256 χ²/NDF: 8099.7/18
Left In: -6910.882+/-38.354 χ²/NDF:24344.4/16
Left: -5055.107+/-26.627 χ²/NDF: 46870.5/34
Right: -781.454+/-31.869 χ²/NDF: 42310.2/34
In: -3593.899+/-29.439 χ²/NDF:73304.5/32
Out: -3023.352+/-28.384 χ²/NDF:26271.6/36
All: -3298.219+/-20.434 χ²/NDF: 99770.8/69

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 135.517+/-0.026 χ^2/NDF:1021721.7/17

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: 137.192+/-0.019 χ^2/NDF: 2120158.7/34

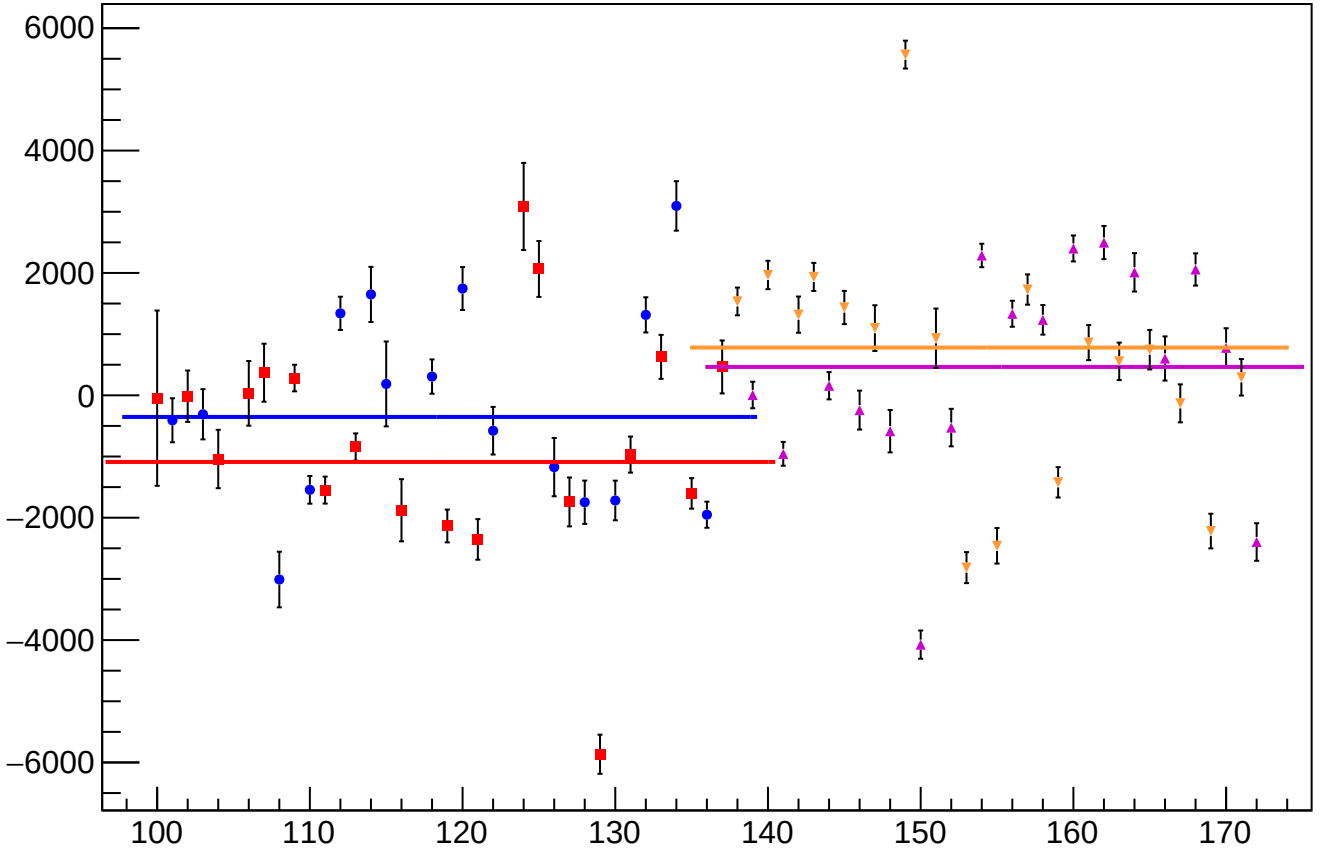
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 129.186+/-0.021 χ^2/NDF:2521066.6/32

Out: 125.943+/-0.020 χ^2/NDF:2675534.1/36

All: 127.505+/-0.014 χ^2/NDF: 5209182.7/69

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 780.454+/-64.658 χ^2/NDF:1058.1/17

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: 612.658+/-44.302 χ^2/NDF: 1947.5/34

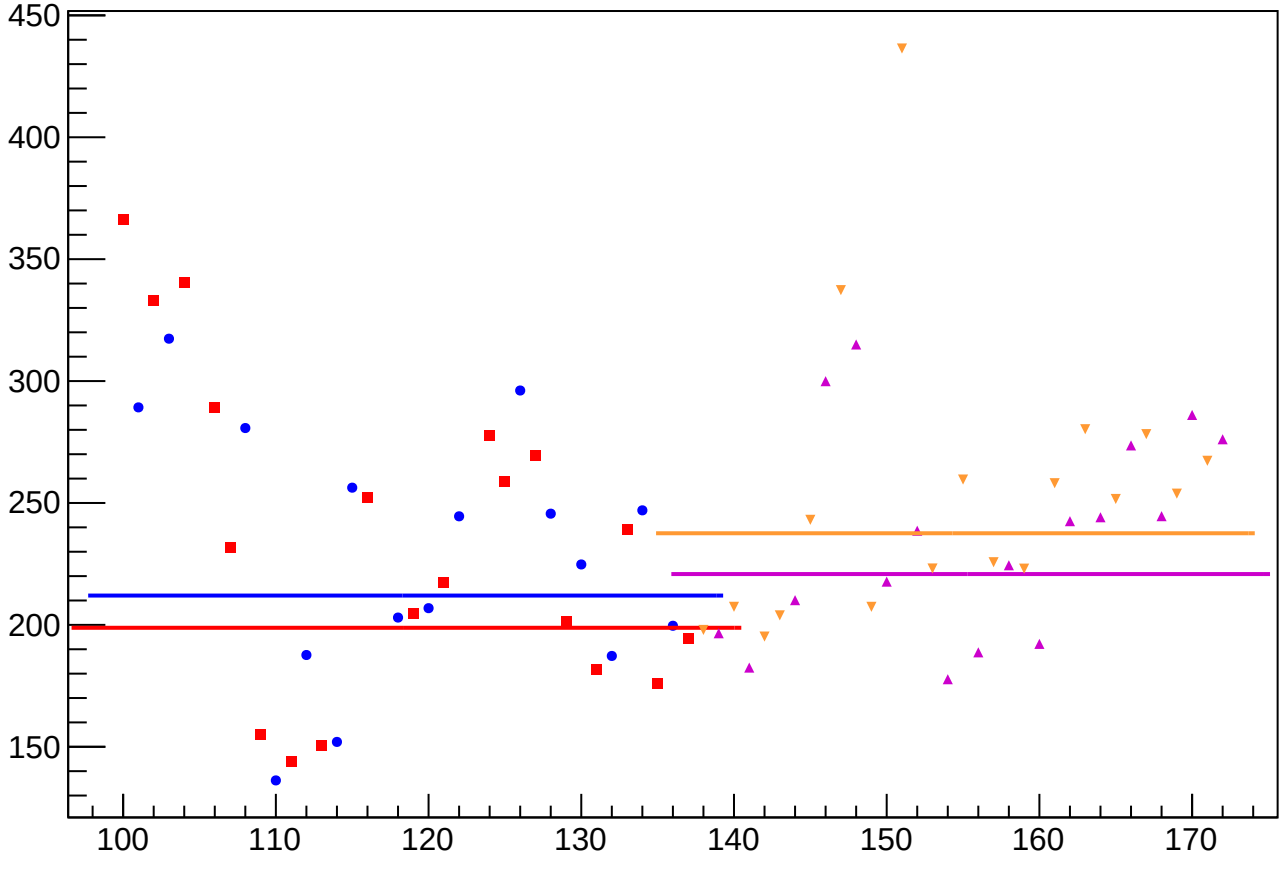
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: 174.710+/-48.881 χ^2/NDF:1302.4/32

Out: 0.904+/-49.367 χ^2/NDF:1853.8/36

All: 88.667+/-34.734 χ^2/NDF: 3162.5/69

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 237.579+/-0.046 χ^2/NDF:836046.5/17

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: 228.703+/-0.031 χ^2/NDF: 1707284.2/34

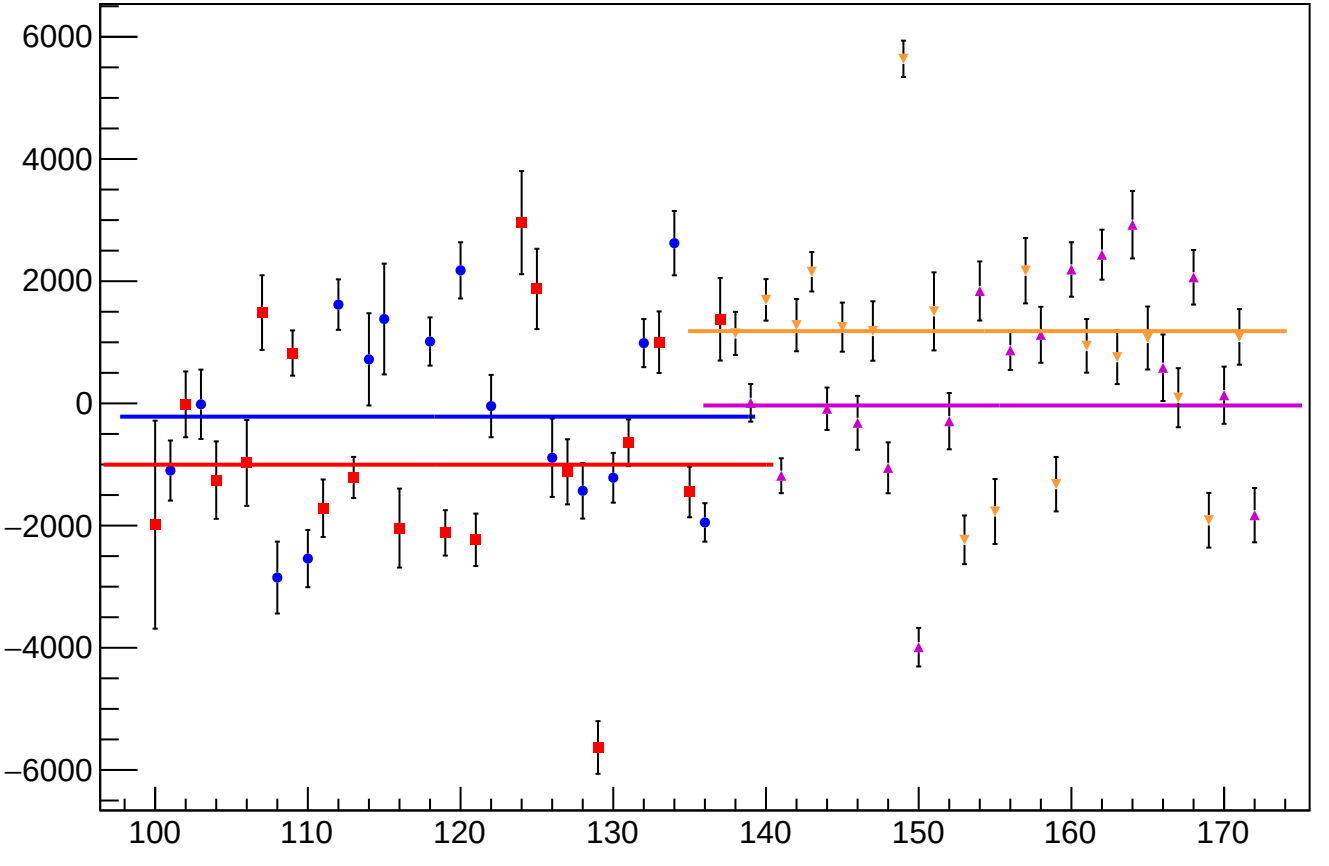
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 217.723+/-0.035 χ^2/NDF:1505431.5/32

Out: 221.410+/-0.035 χ^2/NDF:2110870.8/36

All: 219.549+/-0.025 χ^2/NDF: 3621935.4/69

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1183.427+/-98.764 χ^2/NDF:430.0/17

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: 559.271+/-68.951 χ^2/NDF: 847.0/34

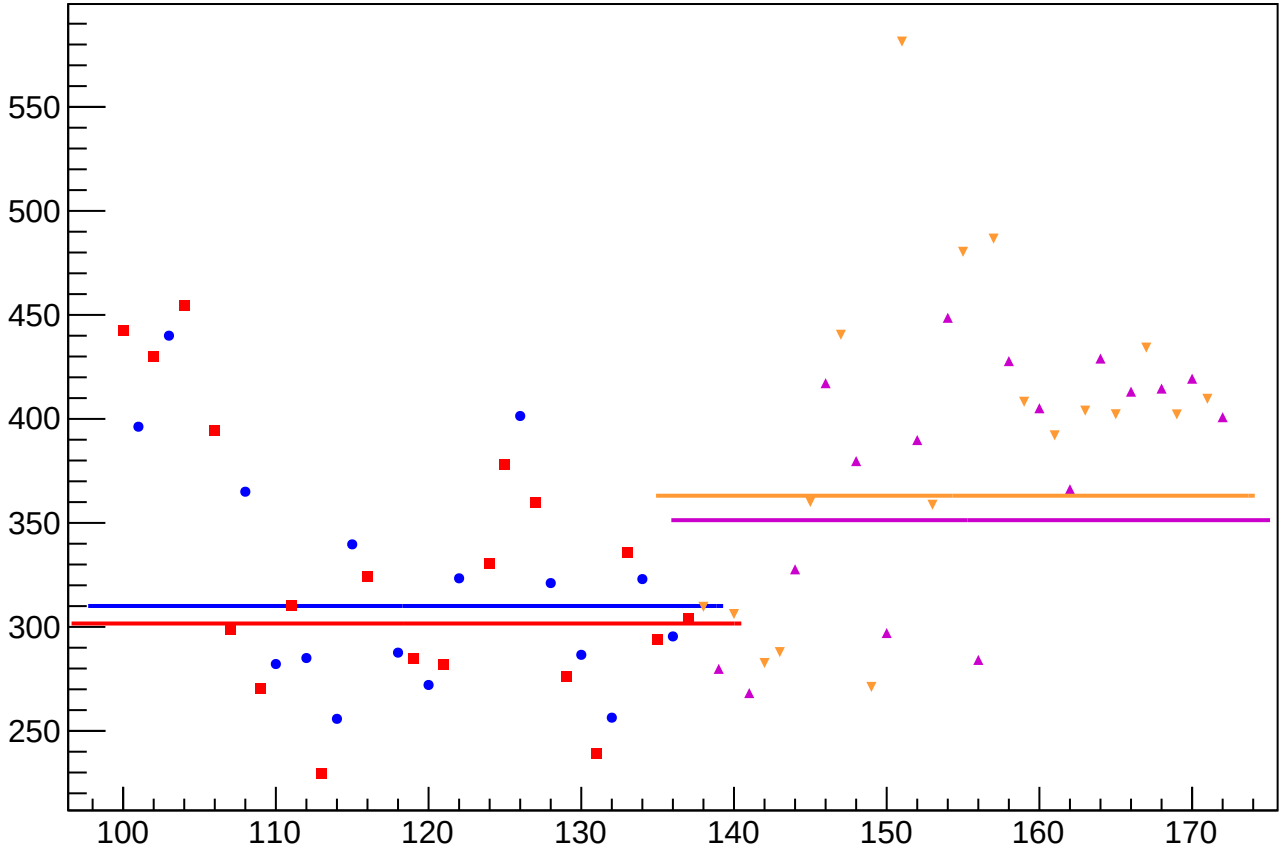
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -107.332+/-74.582 χ^2/NDF:532.7/32

Out: 237.563+/-74.395 χ^2/NDF:896.4/36

All: 65.547+/-52.671 χ^2/NDF: 1439.8/69

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 363.080+/-0.070 χ^2/NDF:1099291.8/17

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: 357.052+/-0.049 χ^2/NDF: 1956003.9/34

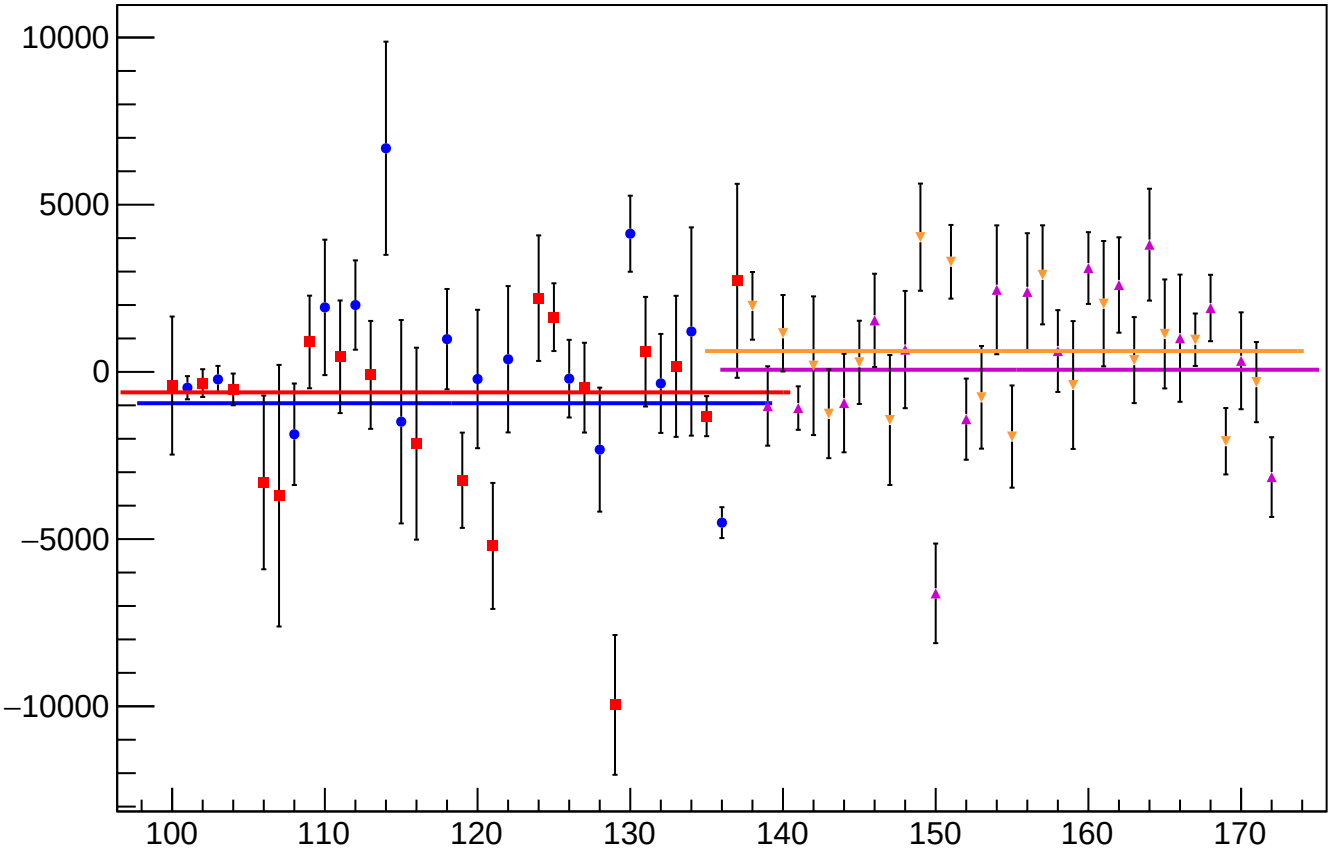
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 334.807+/-0.053 χ^2/NDF:1312383.5/32

Out: 336.500+/-0.053 χ^2/NDF:1954035.3/36

All: 335.655+/-0.037 χ^2/NDF: 3266935.5/69

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 623.078+/-303.596 χ^2/NDF:30.8/17

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: 342.515+/-214.141 χ^2/NDF: 90.4/34

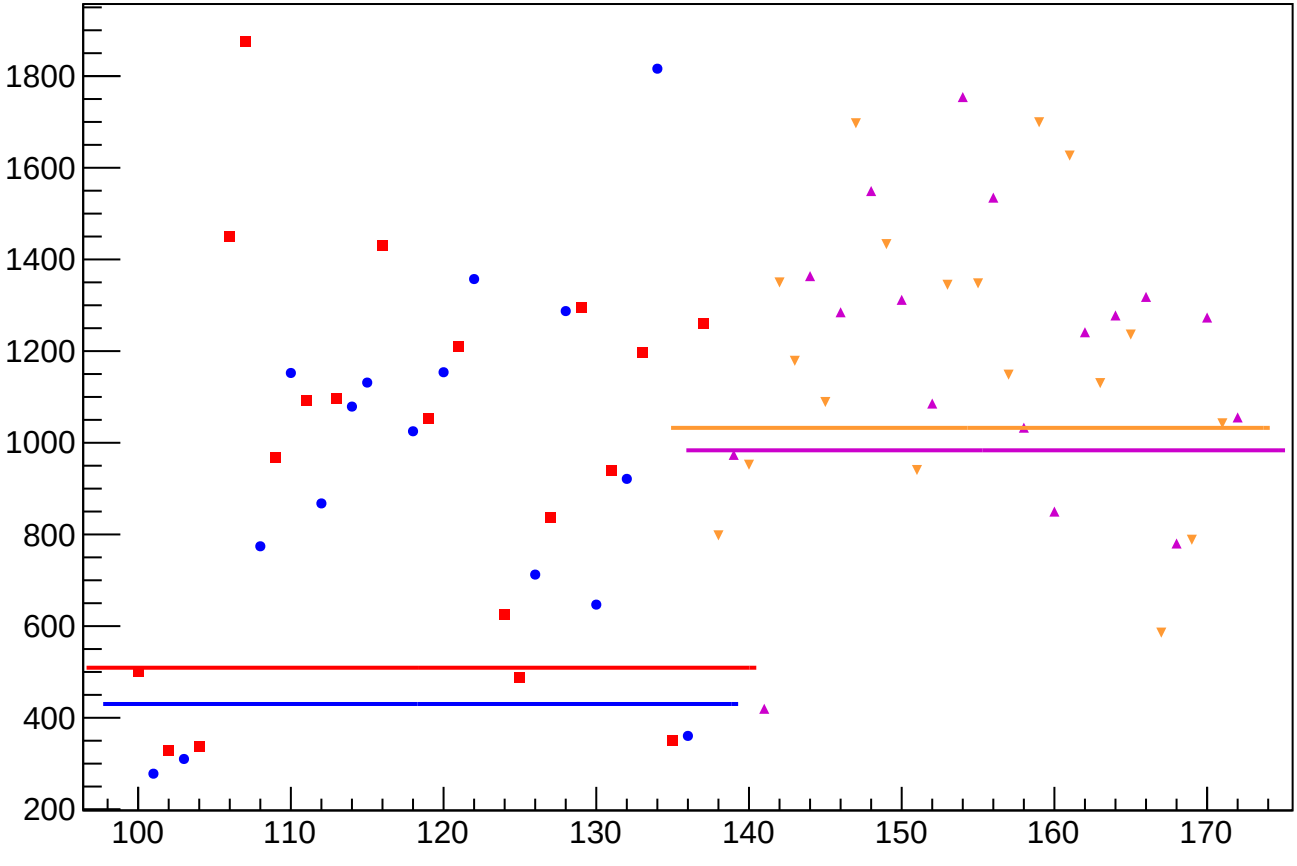
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -621.714+/-169.469 χ^2/NDF:166.7/32

Out: -153.621+/-184.911 χ^2/NDF:85.3/36

All: -408.025+/-124.936 χ^2/NDF: 255.5/69

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1032.553+/-0.215 χ^2/NDF:2002178.6/17

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 983.567+/-0.214 χ^2/NDF:2962935.3/16

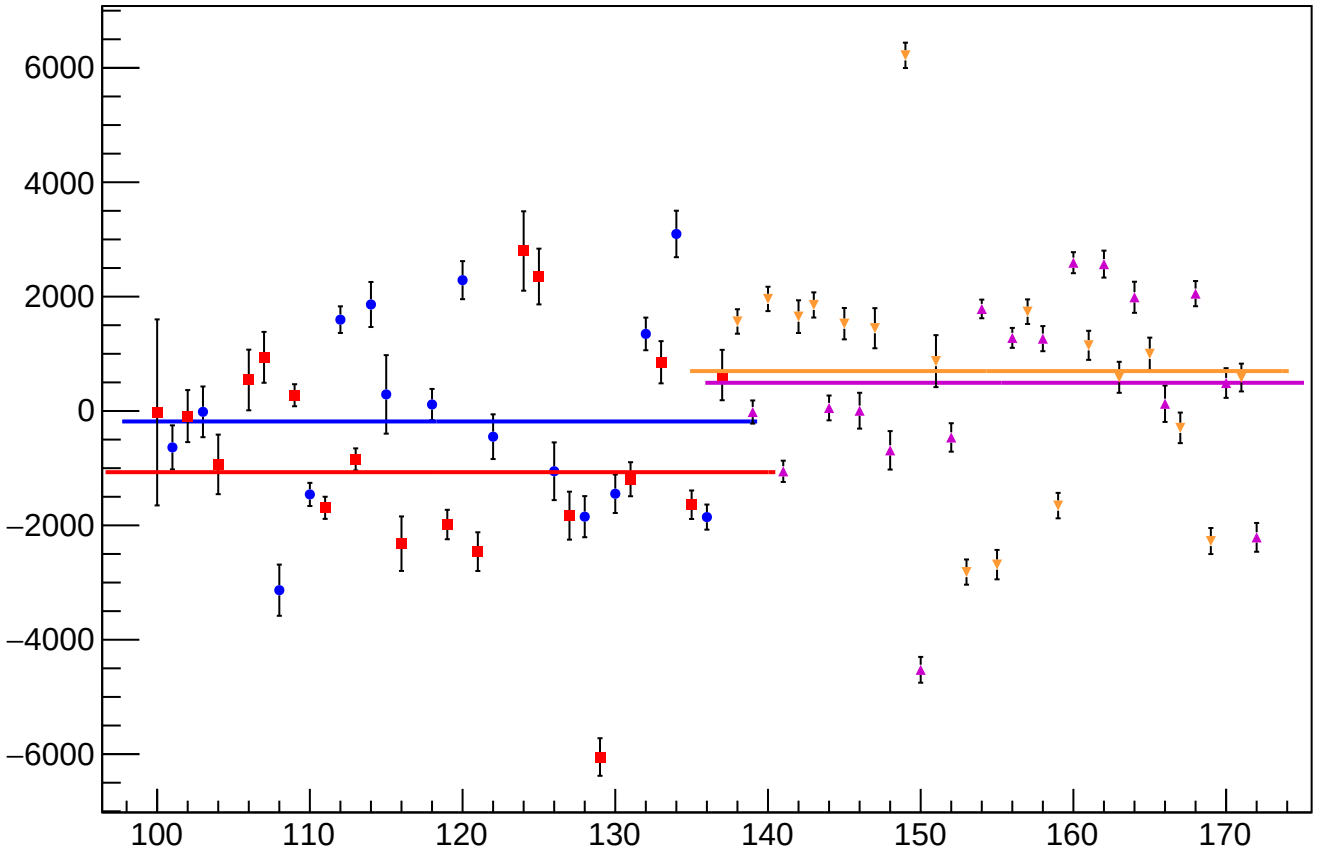
Left: 1007.939+/-0.151 χ^2/NDF: 4991278.4/34

Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 604.288+/-0.120 χ^2/NDF:11085230.5/32

Out: 703.368+/-0.131 χ^2/NDF:9413644.3/36

All: 649.519+/-0.088 χ^2/NDF: 20810962.3/69



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 698.122+/-58.461 χ^2/NDF:1473.6/17

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: 587.540+/-39.667 χ^2/NDF: 2584.5/34

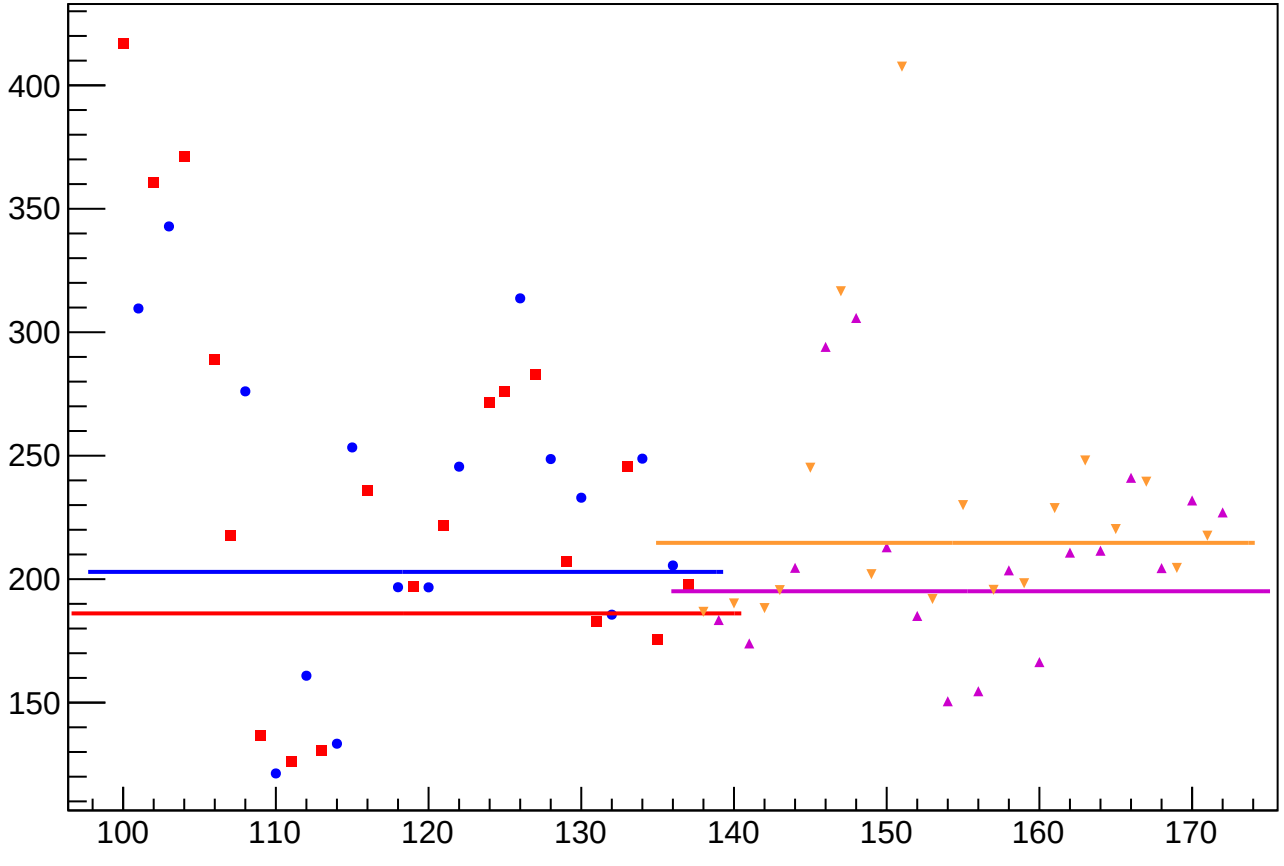
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: 281.043+/-44.733 χ^2/NDF:1571.2/32

Out: 8.049+/-45.646 χ^2/NDF:2322.8/36

All: 147.305+/-31.949 χ^2/NDF: 3912.2/69

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 214.706+/-0.041 χ^2/NDF:766424.0/17

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: 204.125+/-0.028 χ^2/NDF: 1798801.8/34

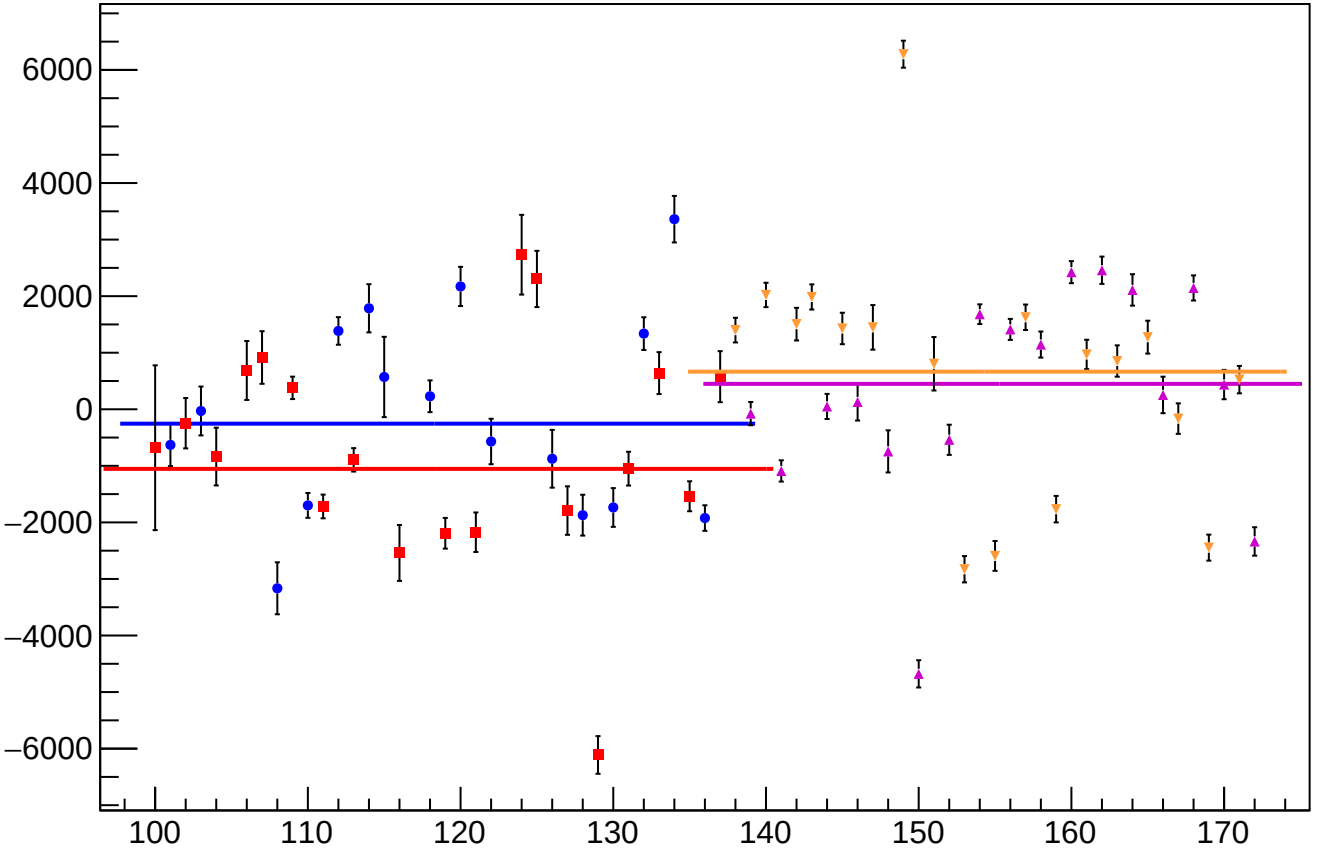
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 197.558+/-0.032 χ^2/NDF:1996067.7/32

Out: 203.551+/-0.032 χ^2/NDF:2434627.5/36

All: 200.494+/-0.023 χ^2/NDF: 4448277.4/69

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 665.337+/-60.167 χ^2/NDF:1361.6/17

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: 549.797+/-41.031 χ^2/NDF: 2398.5/34

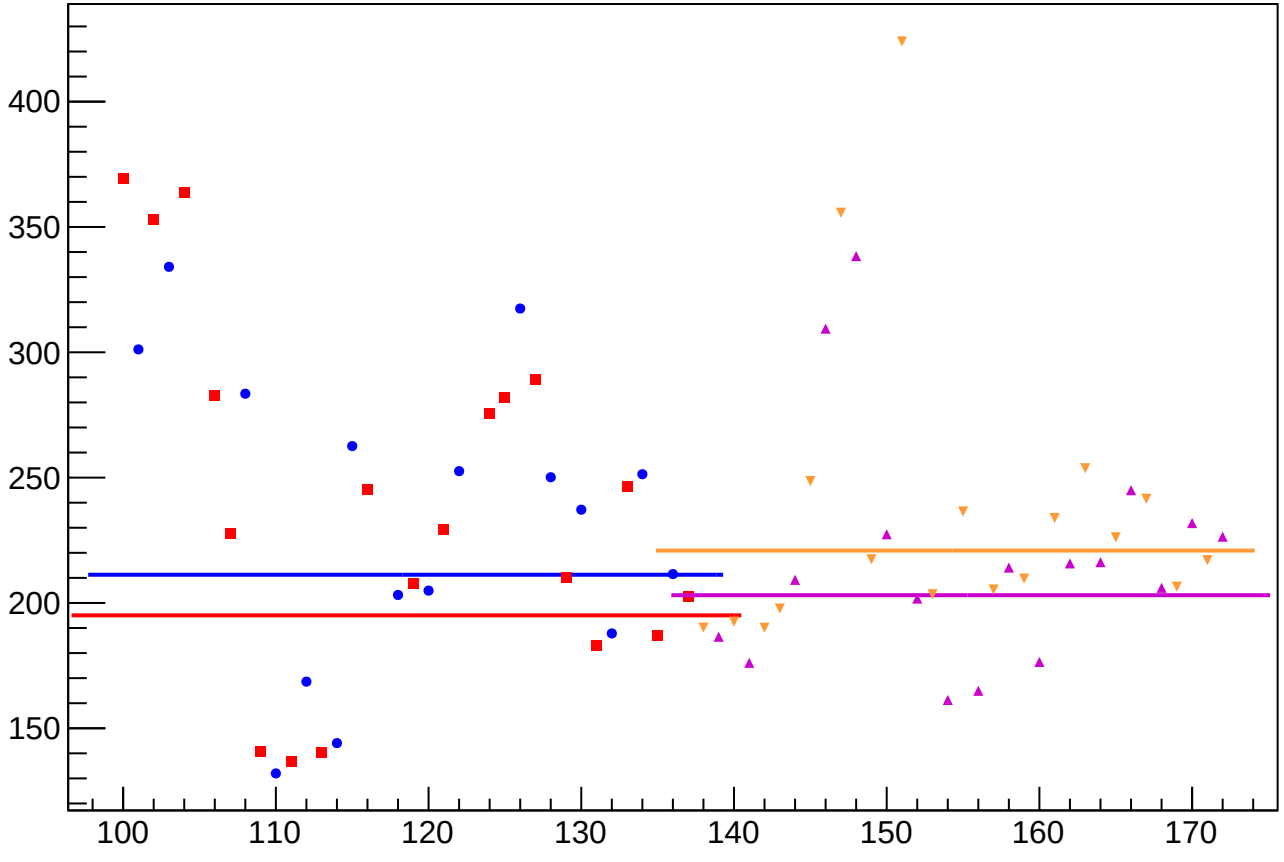
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: 226.766+/-46.389 χ^2/NDF:1489.0/32

Out: 2.699+/-47.166 χ^2/NDF:2154.0/36

All: 116.594+/-33.073 χ^2/NDF: 3654.5/69

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 220.906+/-0.043 χ^2/NDF:828405.5/17

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: 211.380+/-0.029 χ^2/NDF: 1798749.8/34

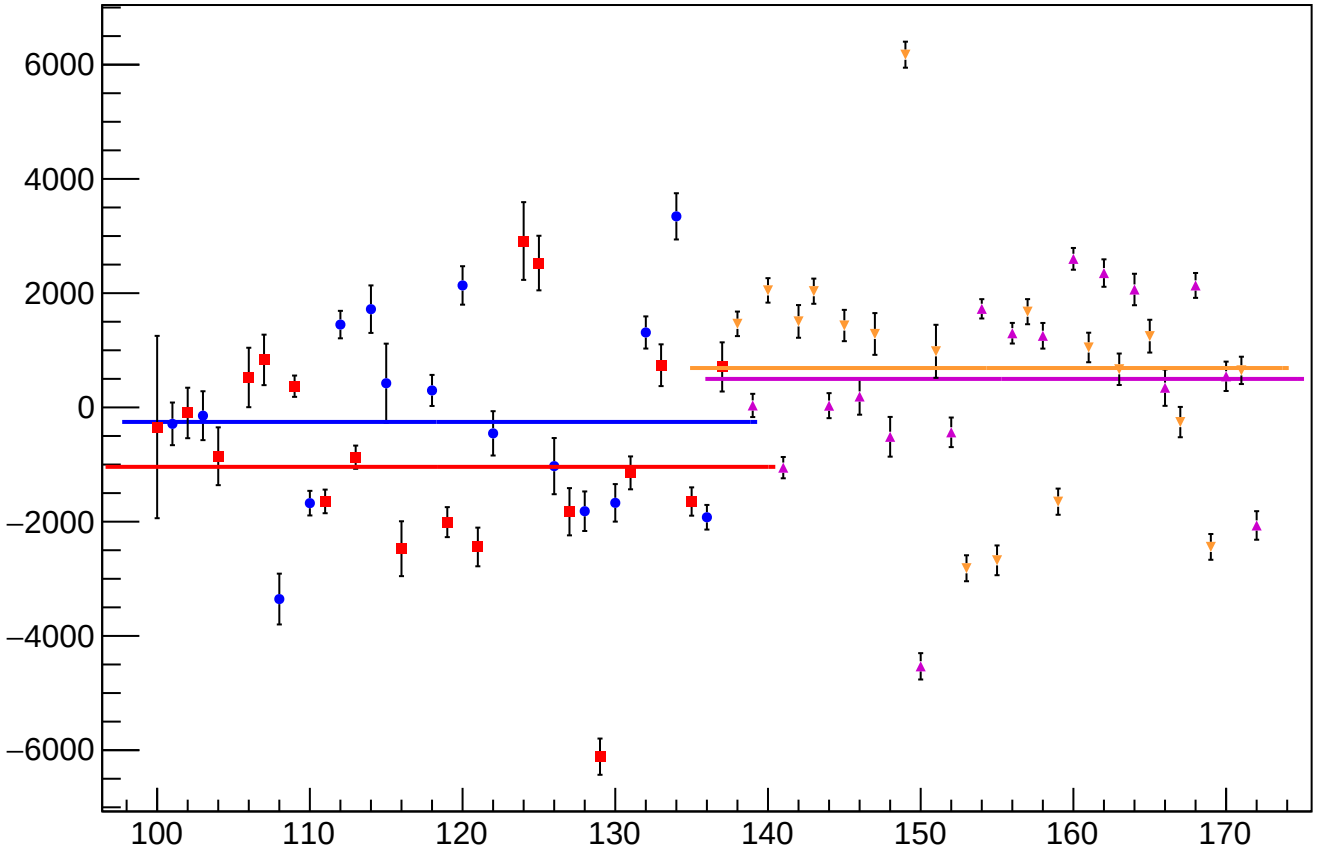
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 205.677+/-0.033 χ^2/NDF:1774343.8/32

Out: 210.944+/-0.033 χ^2/NDF:2255538.2/36

All: 208.267+/-0.023 χ^2/NDF: 4042560.1/69

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 689.578+/-59.091 χ^2/NDF:1428.7/17

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: 587.320+/-40.238 χ^2/NDF: 2471.1/34

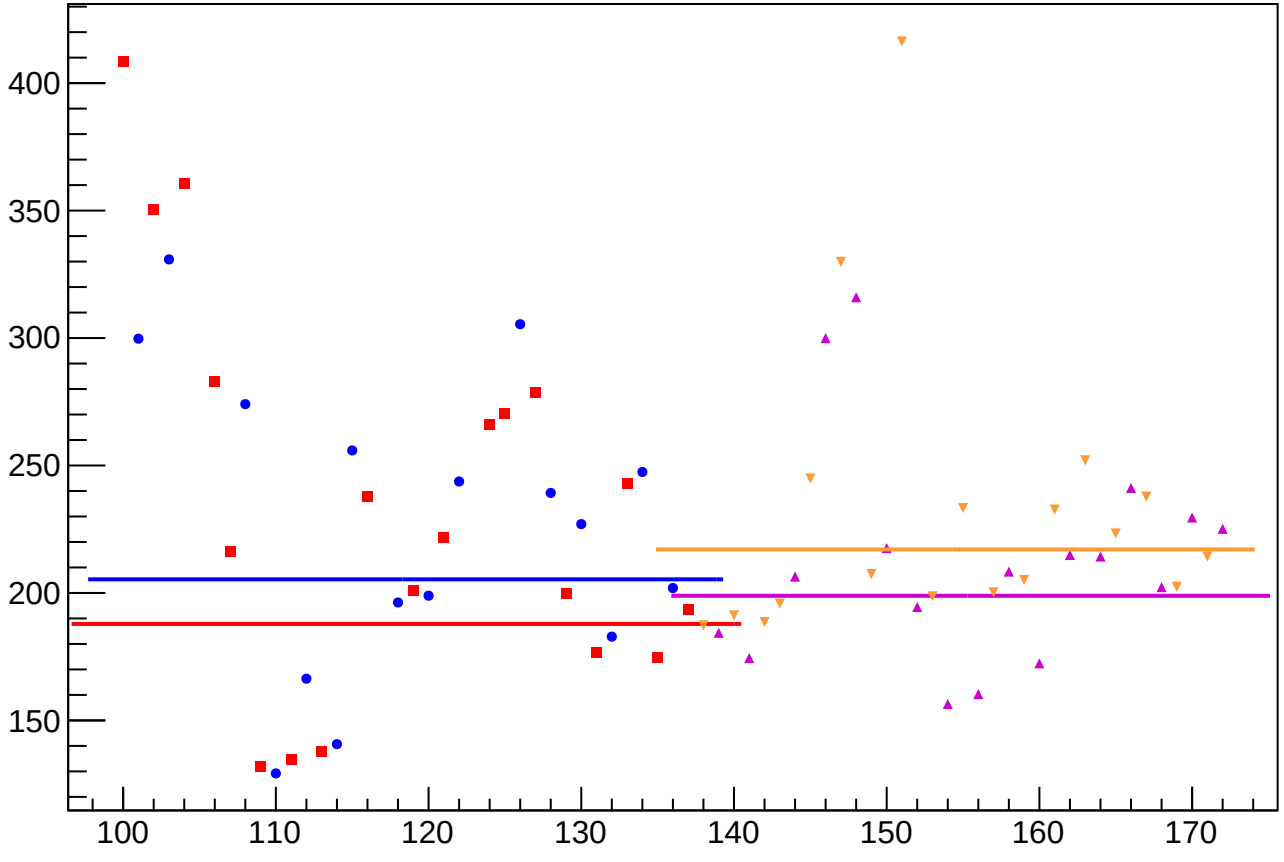
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: 258.482+/-45.332 χ^2/NDF:1528.9/32

Out: 8.865+/-46.020 χ^2/NDF:2299.3/36

All: 135.552+/-32.295 χ^2/NDF: 3843.1/69

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 217.056+/-0.042 χ^2/NDF:788854.1/17

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: 207.314+/-0.028 χ^2/NDF: 1739399.7/34

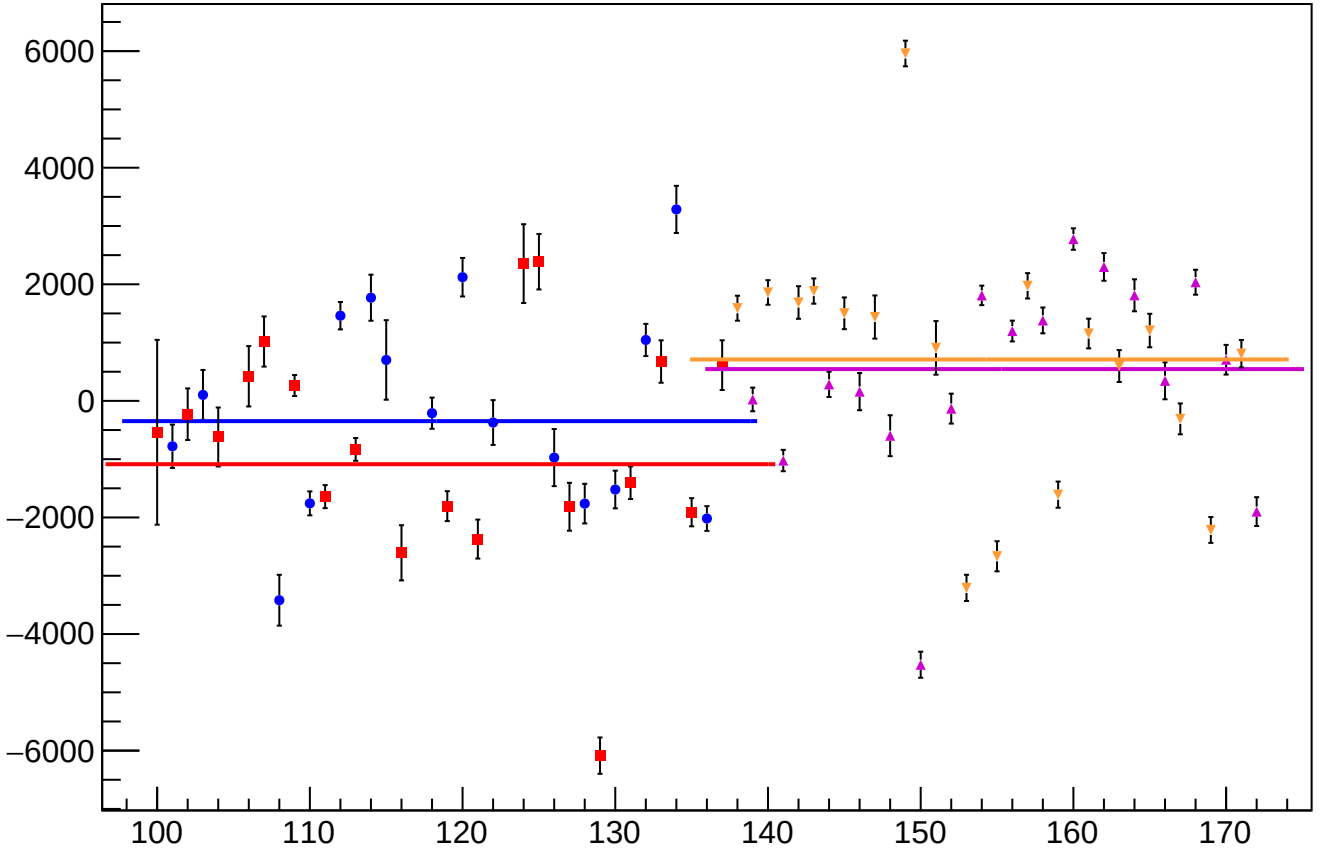
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 200.950+/-0.032 χ^2/NDF:1735378.3/32

Out: 205.563+/-0.033 χ^2/NDF:2318173.9/36

All: 203.222+/-0.023 χ^2/NDF: 4063751.2/69

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 710.472+/-58.328 χ^2/NDF:1479.5/17

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: 621.815+/-39.712 χ^2/NDF: 2552.3/34

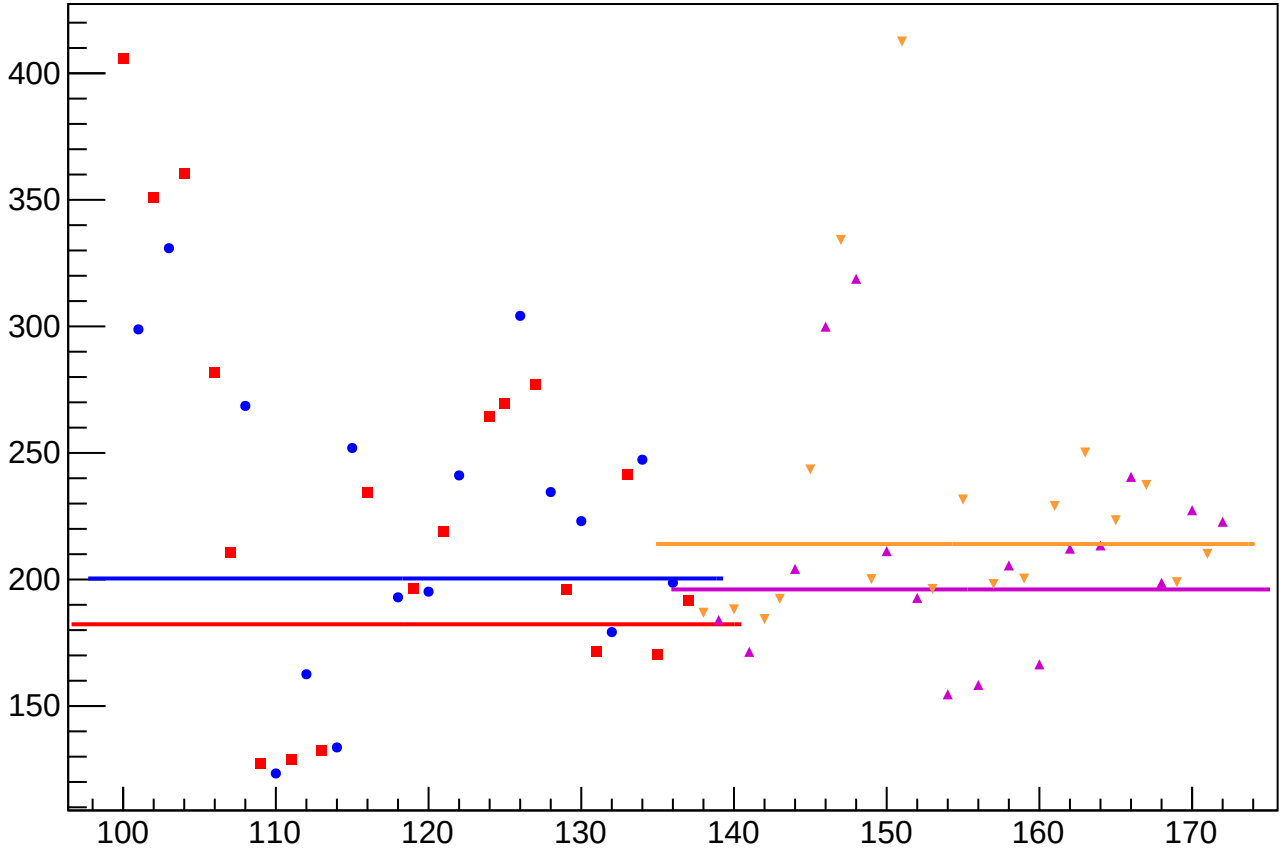
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: 257.171+/-44.624 χ^2/NDF:1601.8/32

Out: -7.140+/-45.206 χ^2/NDF:2385.8/36

All: 126.728+/-31.758 χ^2/NDF: 4004.9/69

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 214.016+/-0.041 χ^2/NDF:827808.6/17

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: 204.391+/-0.028 χ^2/NDF: 1819886.2/34

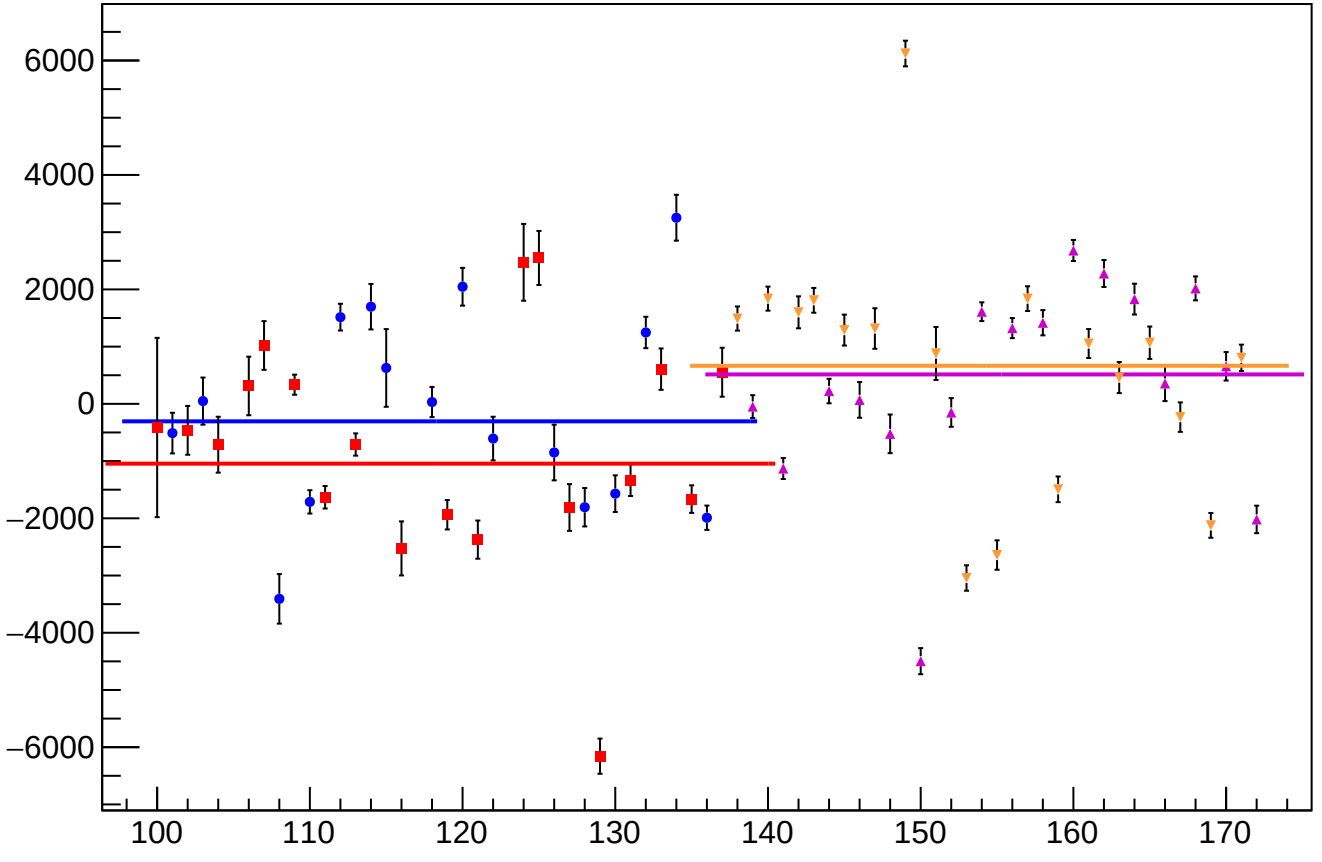
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 197.469+/-0.032 χ^2/NDF:1853662.7/32

Out: 201.352+/-0.032 χ^2/NDF:2511108.3/36

All: 199.385+/-0.022 χ^2/NDF: 4372243.7/69

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 665.235+/-57.830 χ^2/NDF:1434.8/17

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: 584.037+/-39.288 χ^2/NDF: 2493.0/34

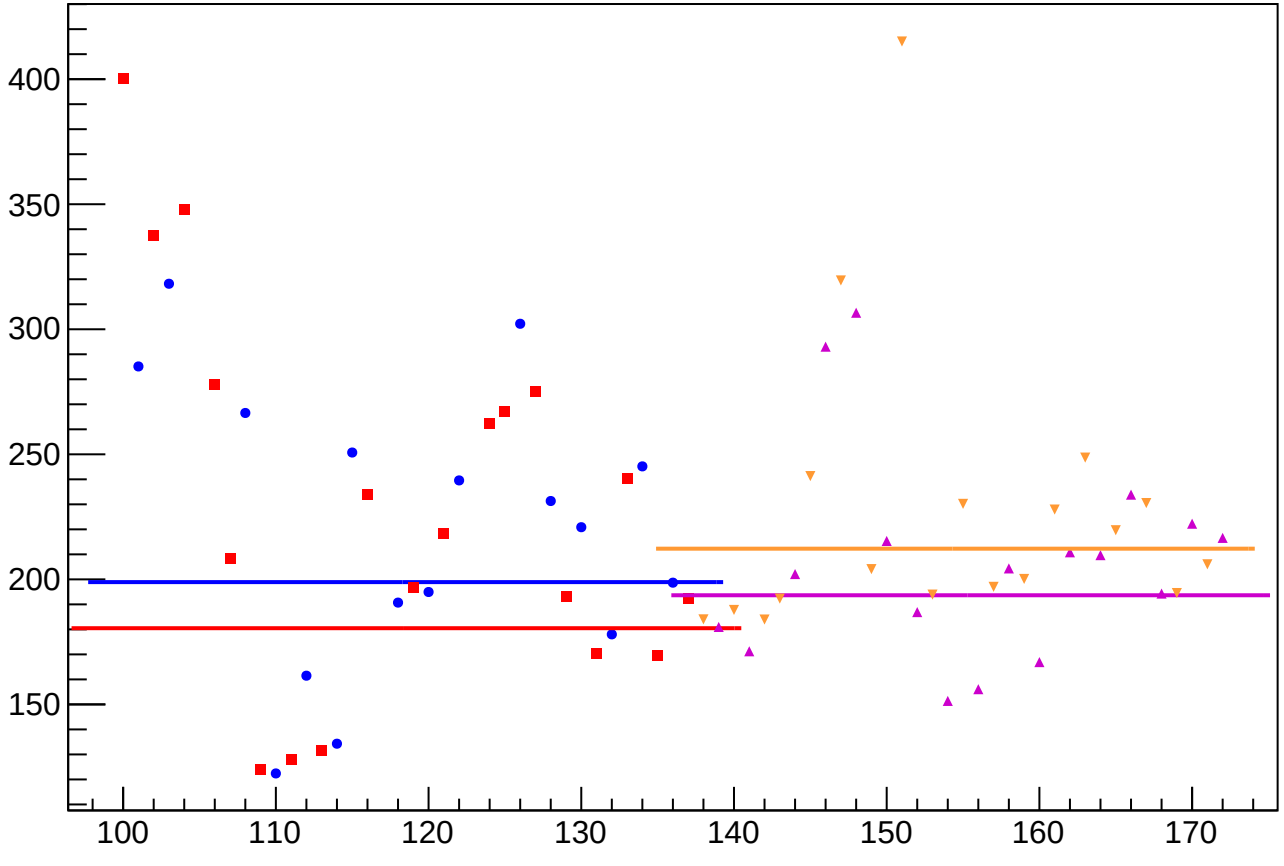
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: 251.180+/-44.118 χ^2/NDF:1581.7/32

Out: -18.959+/-44.794 χ^2/NDF:2336.9/36

All: 118.163+/-31.433 χ^2/NDF: 3937.0/69

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 212.273+/-0.041 χ^2/NDF:802554.7/17

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 193.646+/-0.038 χ^2/NDF:854700.4/16

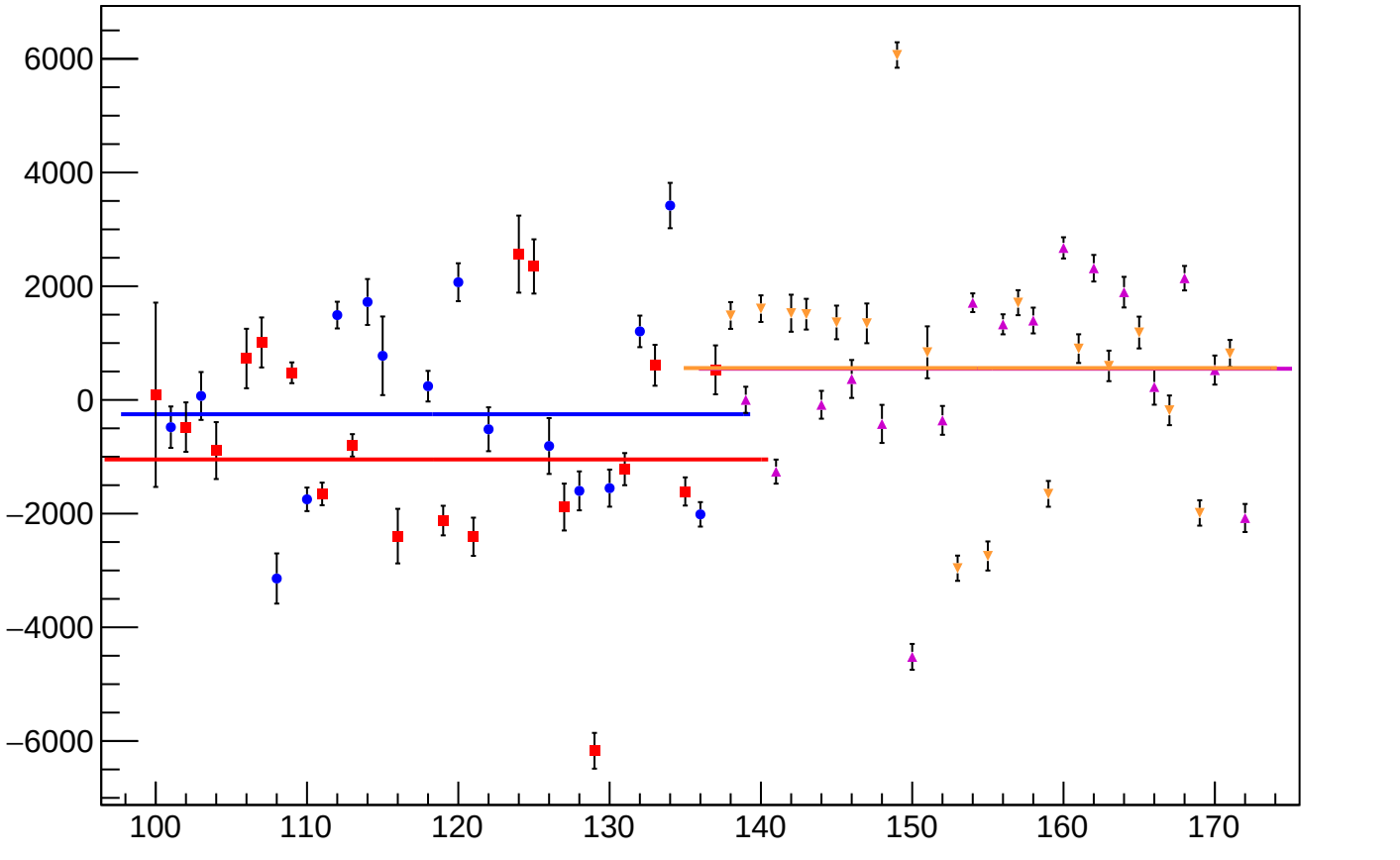
Left: 202.243+/-0.028 χ^2/NDF: 1768972.6/34

Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 195.334+/-0.031 χ^2/NDF:1773653.2/32

Out: 199.552+/-0.032 χ^2/NDF:2478902.2/36

All: 197.411+/-0.022 χ^2/NDF: 4261558.0/69



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 560.501+/-60.412 χ^2/NDF:1361.0/17

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: 554.038+/-40.909 χ^2/NDF: 2430.4/34

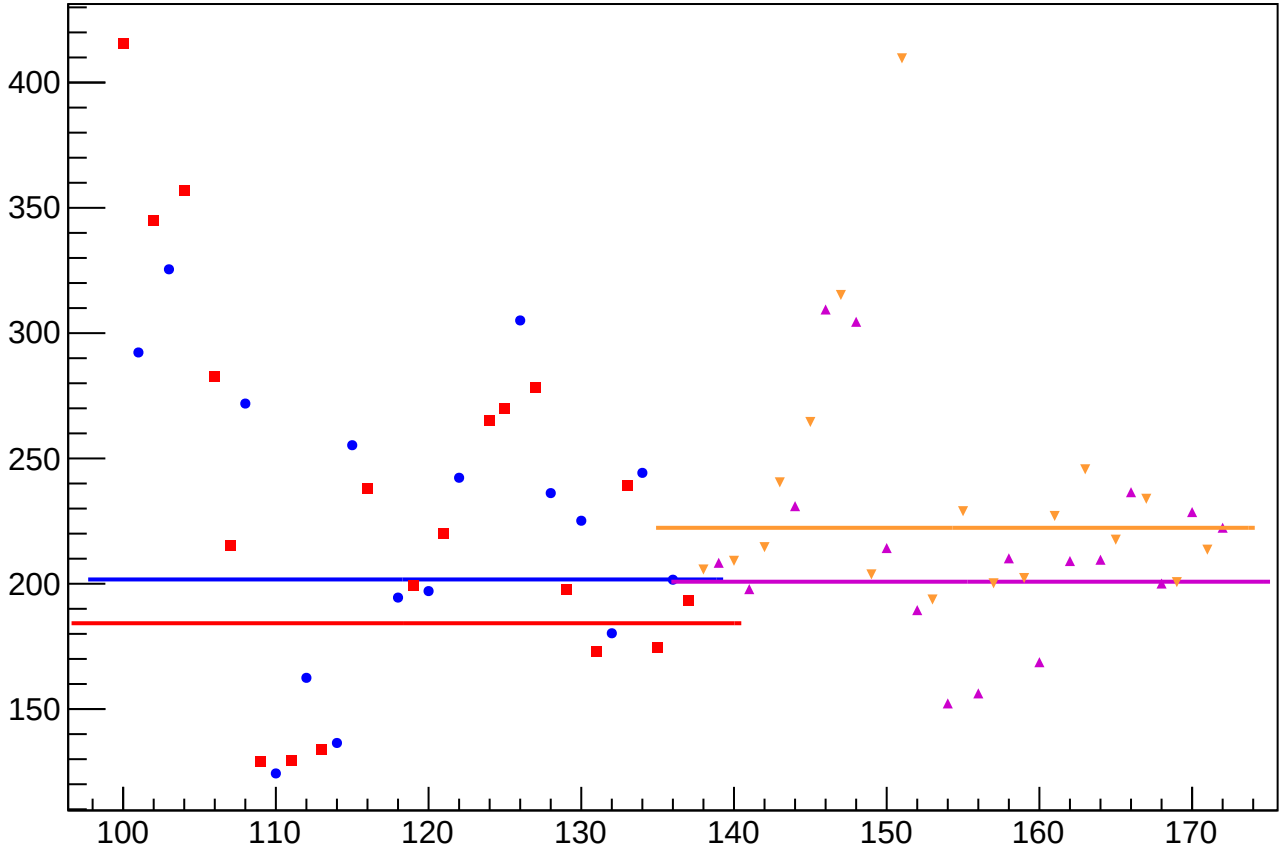
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: 283.357+/-45.461 χ^2/NDF:1579.3/32

Out: -101.637+/-46.330 χ^2/NDF:2199.4/36

All: 94.504+/-32.448 χ^2/NDF: 3813.9/69

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 222.323+/-0.043 χ^2/NDF:671102.3/17

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: 210.676+/-0.029 χ^2/NDF: 1689320.3/34

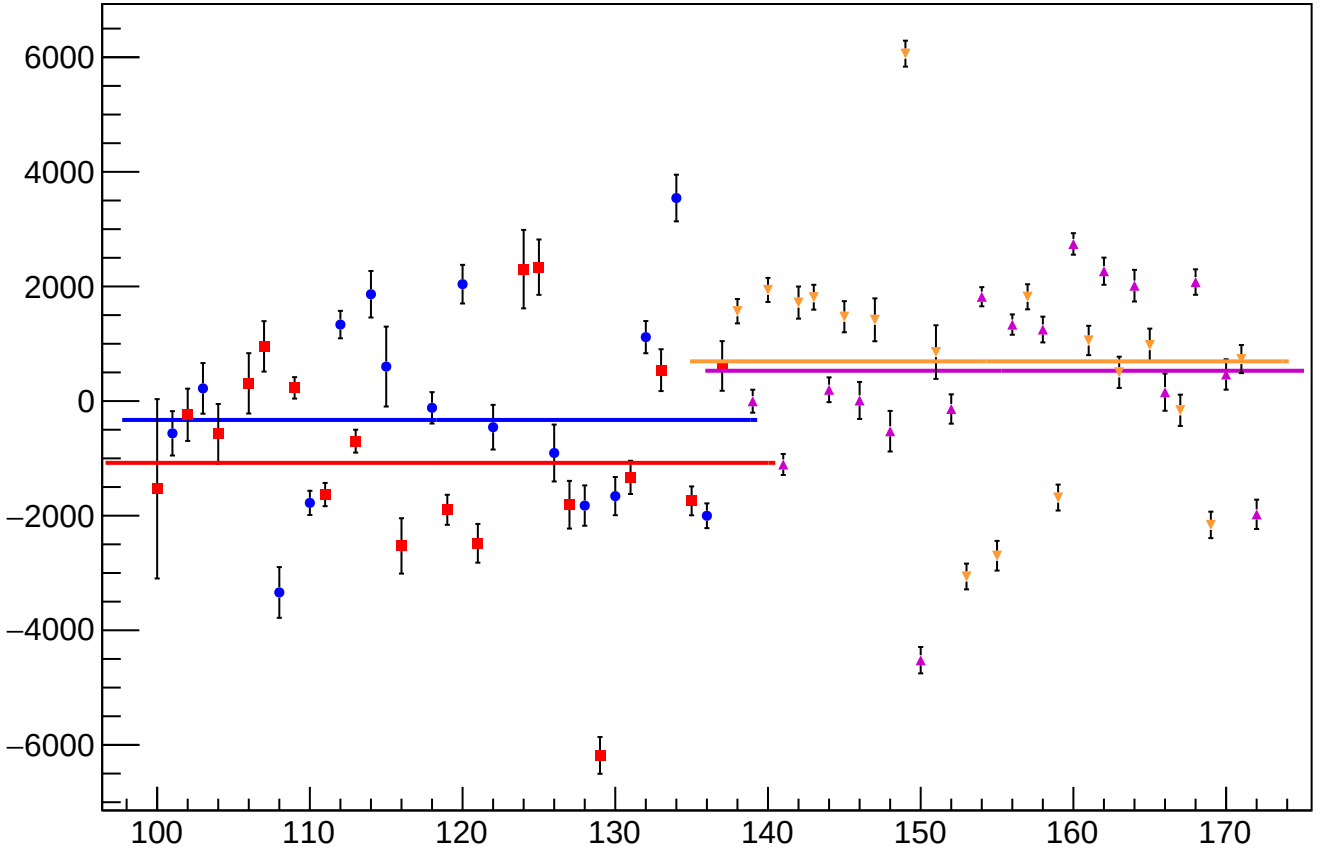
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 201.110+/-0.032 χ^2/NDF:1805301.0/32

Out: 206.639+/-0.033 χ^2/NDF:2402145.4/36

All: 203.823+/-0.023 χ^2/NDF: 4221957.1/69

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 693.190+/-58.898 χ^2/NDF:1418.4/17

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: 605.053+/-40.089 χ^2/NDF: 2470.5/34

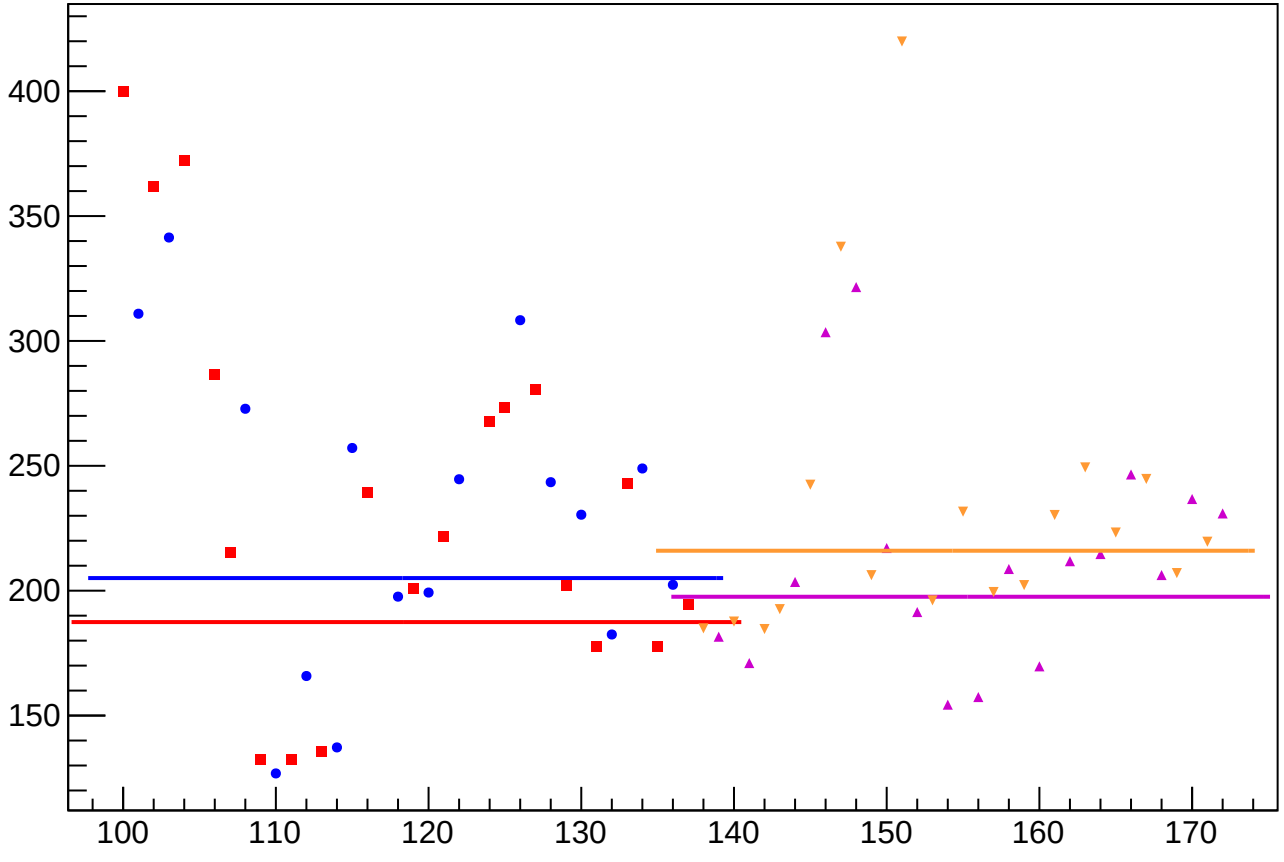
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: 257.095+/-45.231 χ^2/NDF:1562.3/32

Out: -0.459+/-45.938 χ^2/NDF:2274.5/36

All: 130.316+/-32.230 χ^2/NDF: 3852.8/69

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 215.999+/-0.042 χ^2/NDF:846121.9/17

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: 206.110+/-0.028 χ^2/NDF: 1909740.9/34

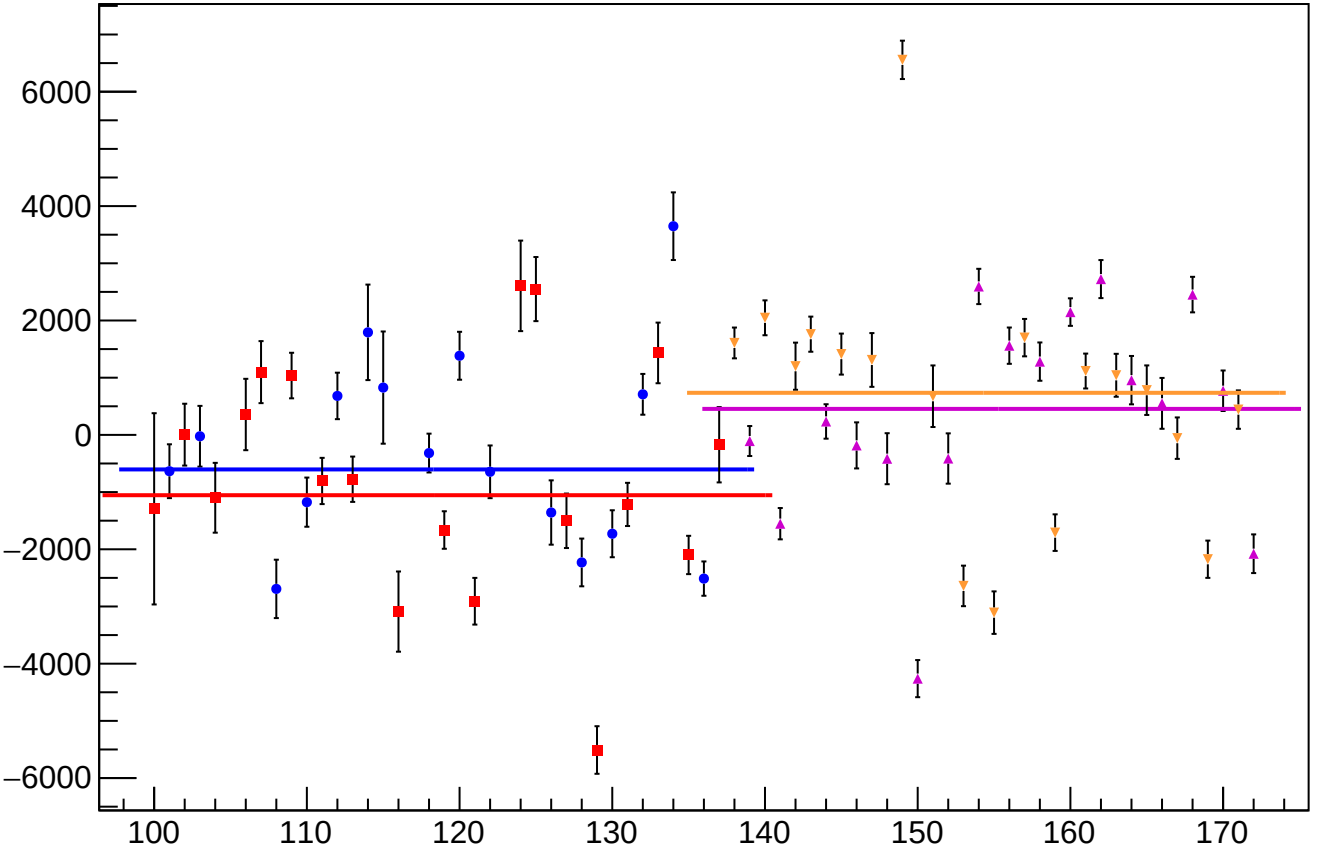
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 199.942+/-0.032 χ^2/NDF:1933443.3/32

Out: 204.811+/-0.032 χ^2/NDF:2441213.9/36

All: 202.339+/-0.023 χ^2/NDF: 4386061.5/69

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 735.688+/-81.897 χ^2/NDF:700.1/17

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: 591.000+/-57.051 χ^2/NDF: 1248.3/34

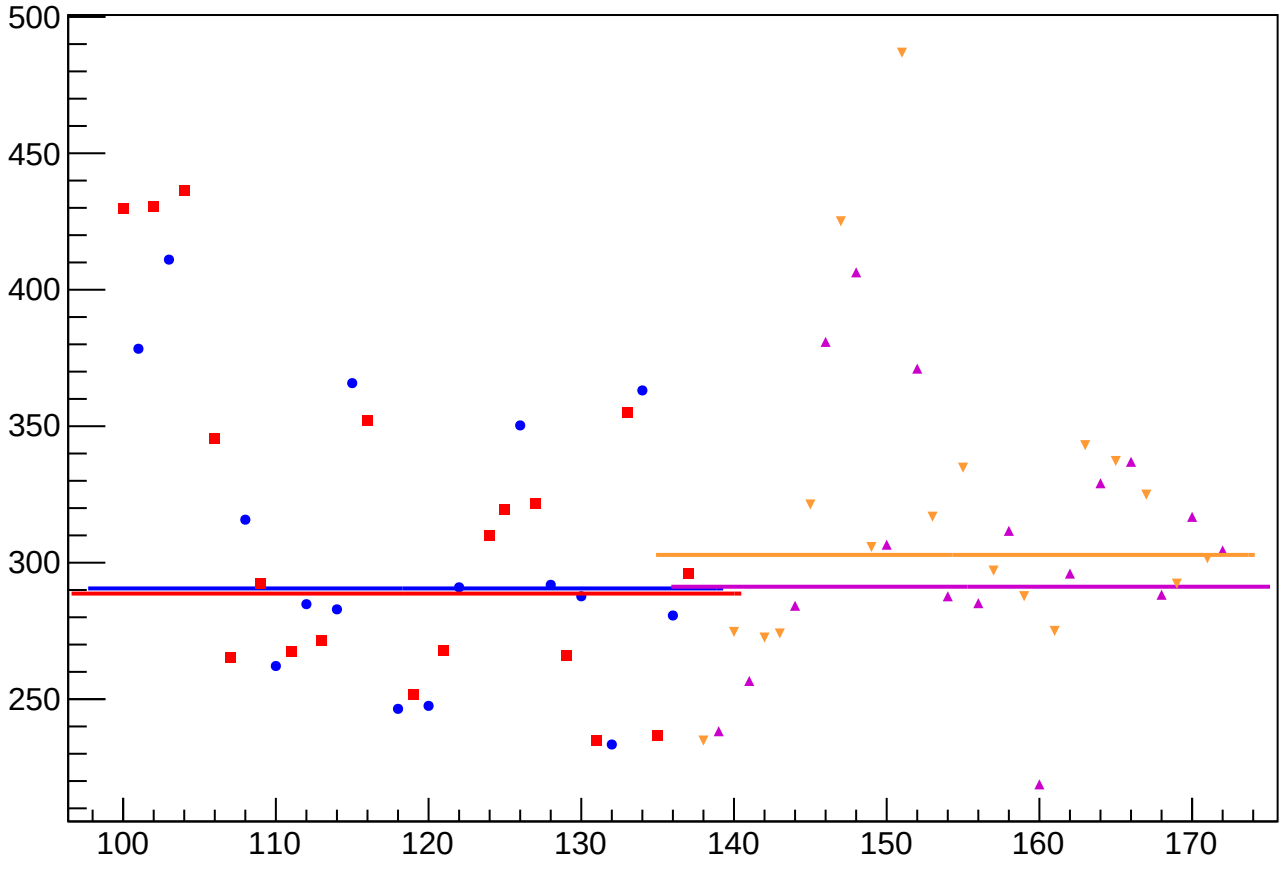
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: 94.281+/-64.583 χ^2/NDF:796.0/32

Out: 84.112+/-65.314 χ^2/NDF:1171.7/36

All: 89.254+/-45.924 χ^2/NDF: 1967.7/69

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 302.856+/-0.058 χ^2/NDF:632295.3/17

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: 296.854+/-0.040 χ^2/NDF: 1311305.3/34

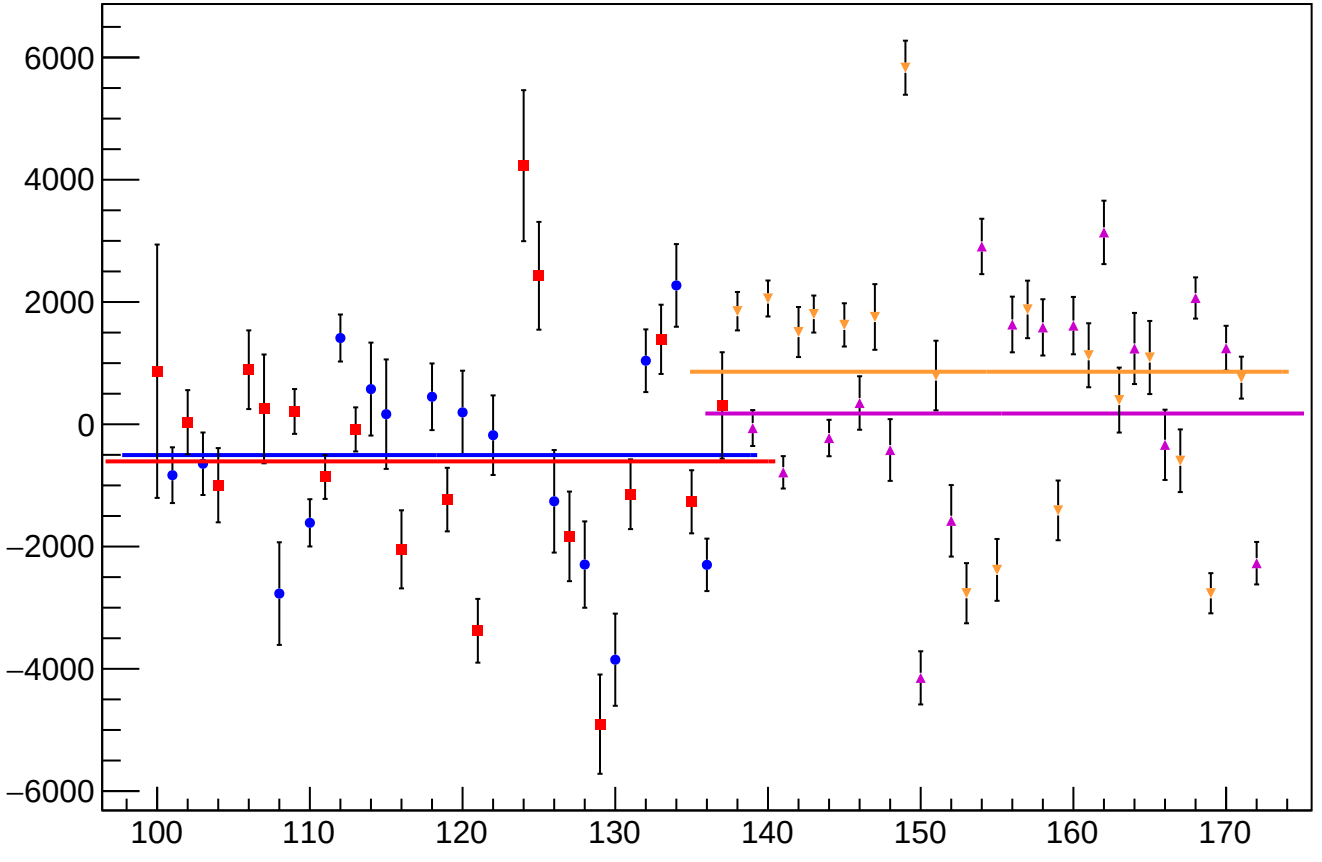
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 290.982+/-0.046 χ^2/NDF:1017993.4/32

Out: 297.699+/-0.046 χ^2/NDF:1143181.4/36

All: 294.302+/-0.032 χ^2/NDF: 2171869.9/69

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 859.589+/-96.891 χ^2/NDF:425.2/17

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: 516.266+/-68.337 χ^2/NDF: 766.8/34

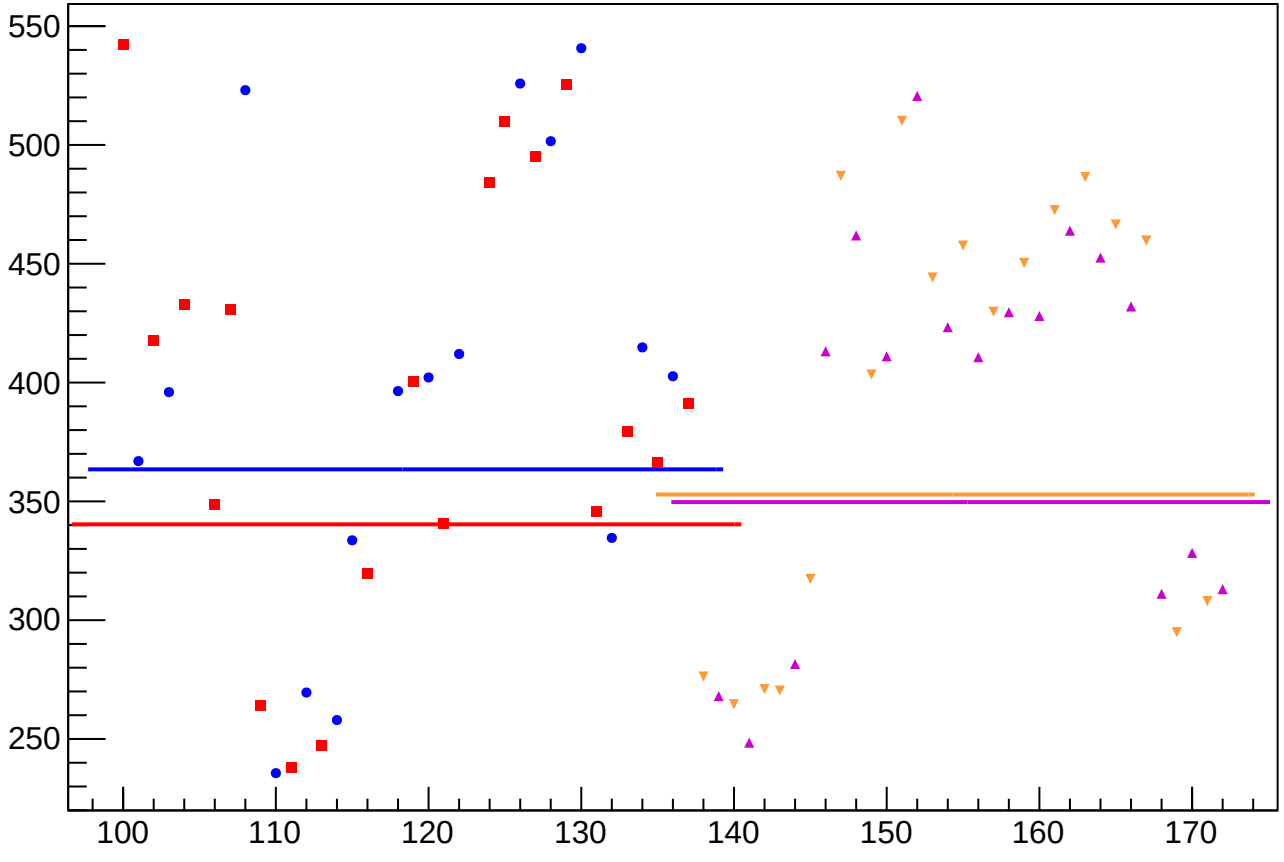
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -42.179+/-79.407 χ^2/NDF:450.9/32

Out: 333.854+/-77.603 χ^2/NDF:632.4/36

All: 150.156+/-55.500 χ^2/NDF: 1094.8/69

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 352.883+/-0.069 χ^2/NDF:1625493.8/17

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: 351.287+/-0.048 χ^2/NDF: 2989329.9/34

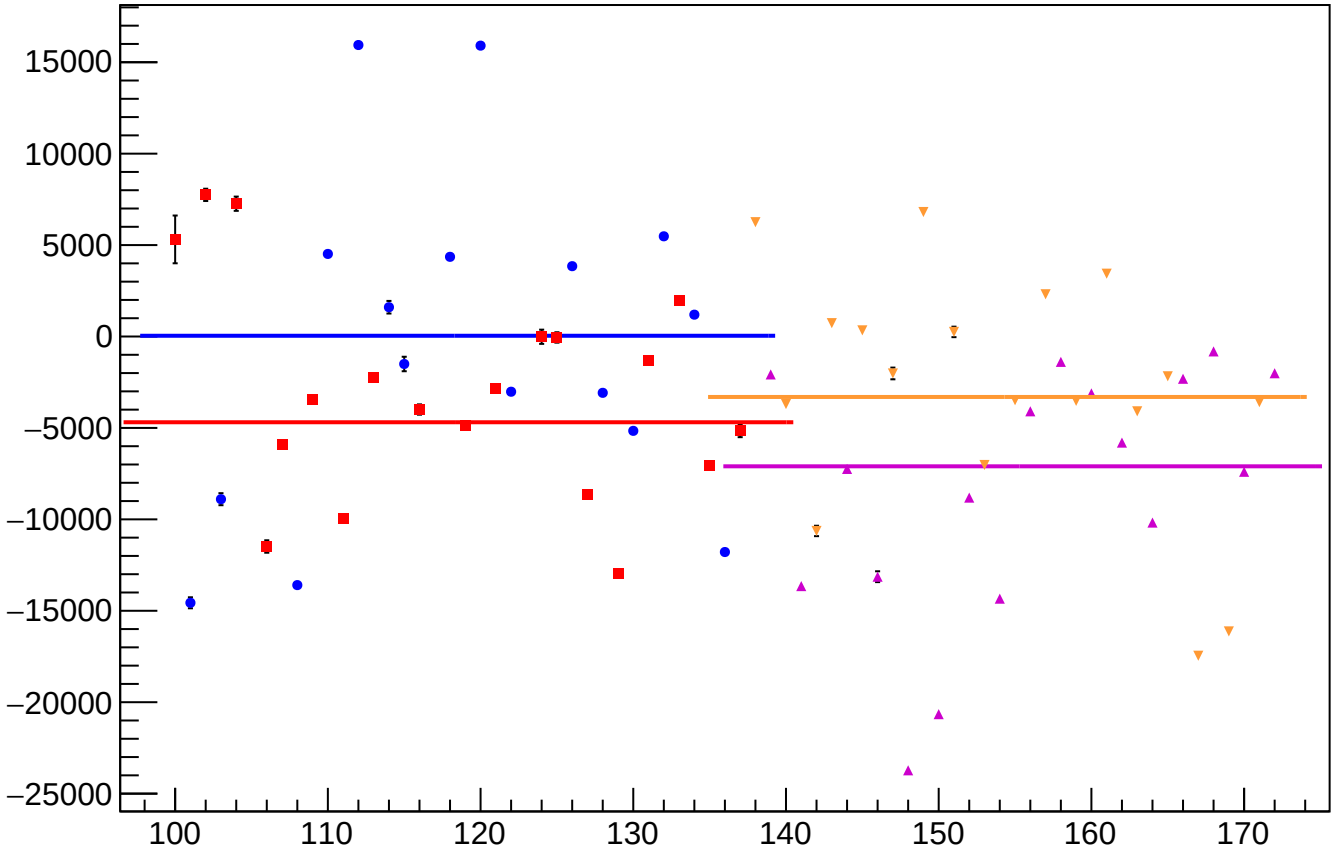
Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 354.131+/-0.056 χ^2/NDF:2156756.7/32

Out: 348.384+/-0.055 χ^2/NDF:2493755.9/36

All: 351.191+/-0.039 χ^2/NDF: 4655871.2/69

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -3306.194+/-45.499 χ^2/NDF:20112.5/17

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: -5169.509+/-32.453 χ^2/NDF: 41134.9/34

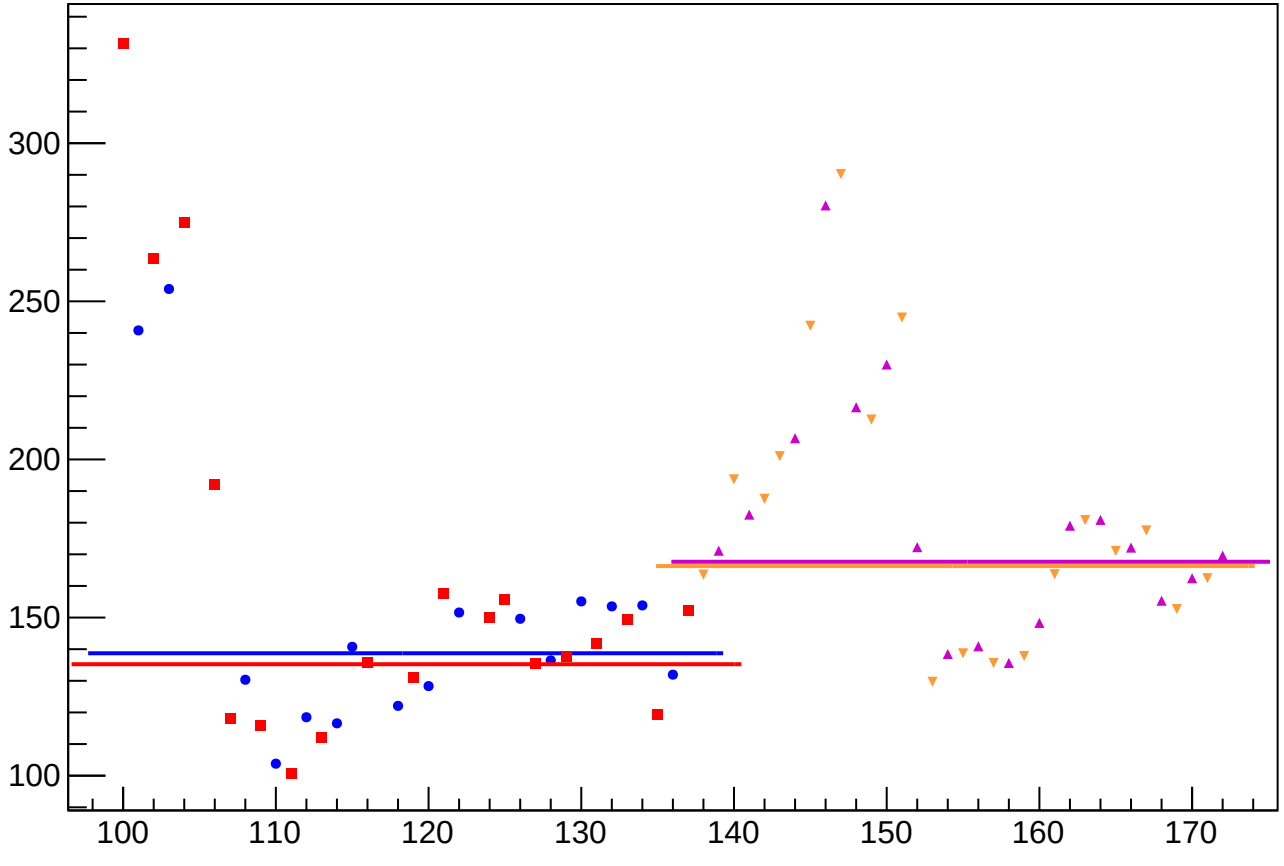
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4086.701+/-35.205 χ^2/NDF:58427.6/32

Out: -3904.872+/-34.269 χ^2/NDF:28308.3/36

All: -3993.338+/-24.556 χ^2/NDF: 86749.6/69

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 166.282+/-0.032 χ^2/NDF:1158213.0/17

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 167.647+/-0.033 χ^2/NDF:860364.4/16

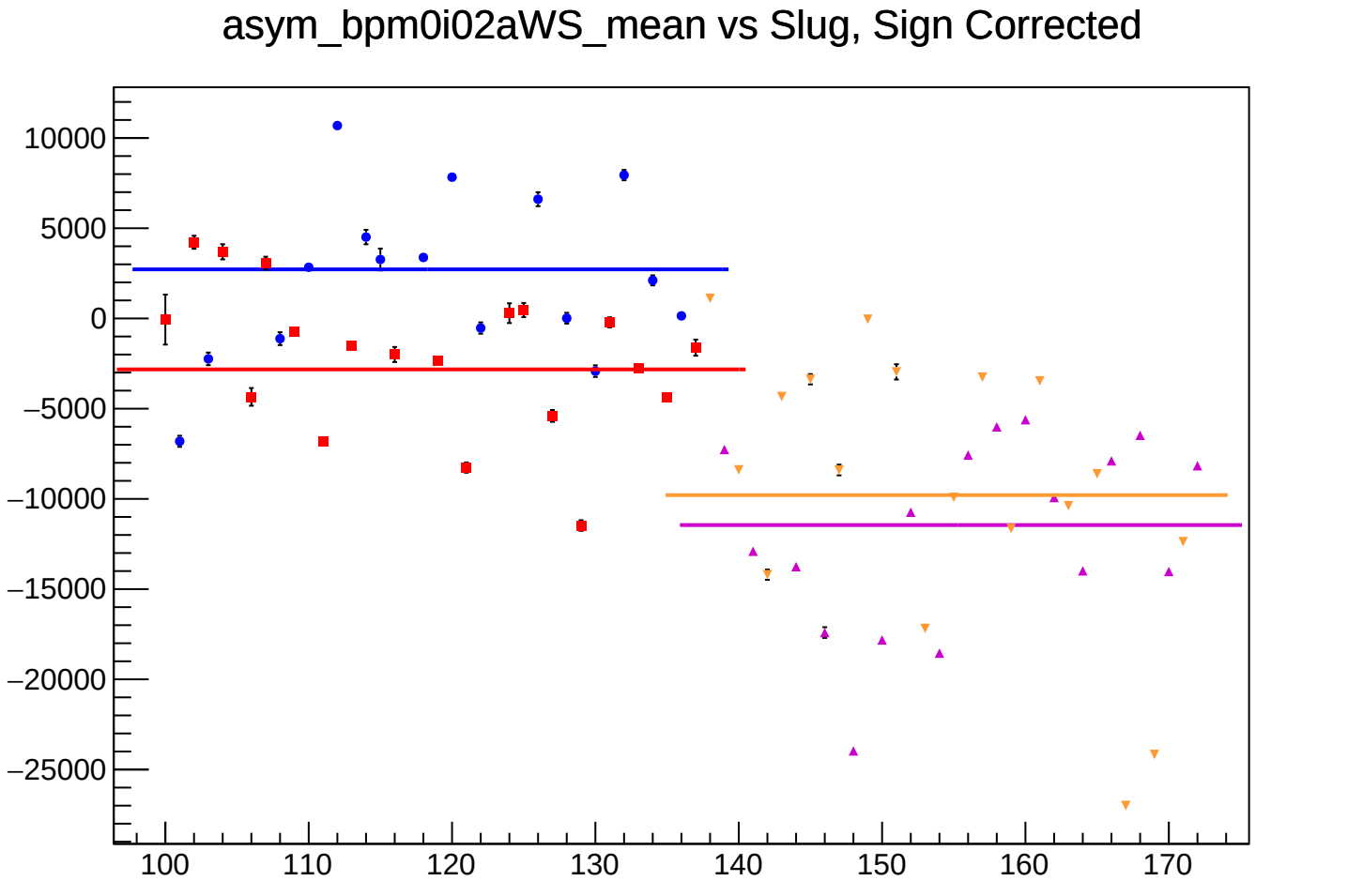
Left: 166.953+/-0.023 χ^2/NDF: 2019461.7/34

Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 155.439+/-0.025 χ^2/NDF:1847698.0/32

Out: 152.852+/-0.024 χ^2/NDF:2450956.1/36

All: 154.111+/-0.017 χ^2/NDF: 4304201.2/69



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -9790.510+/-53.302 χ^2/NDF:21756.8/17

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: -10686.350+/-36.158 χ^2/NDF: 32850.9/34

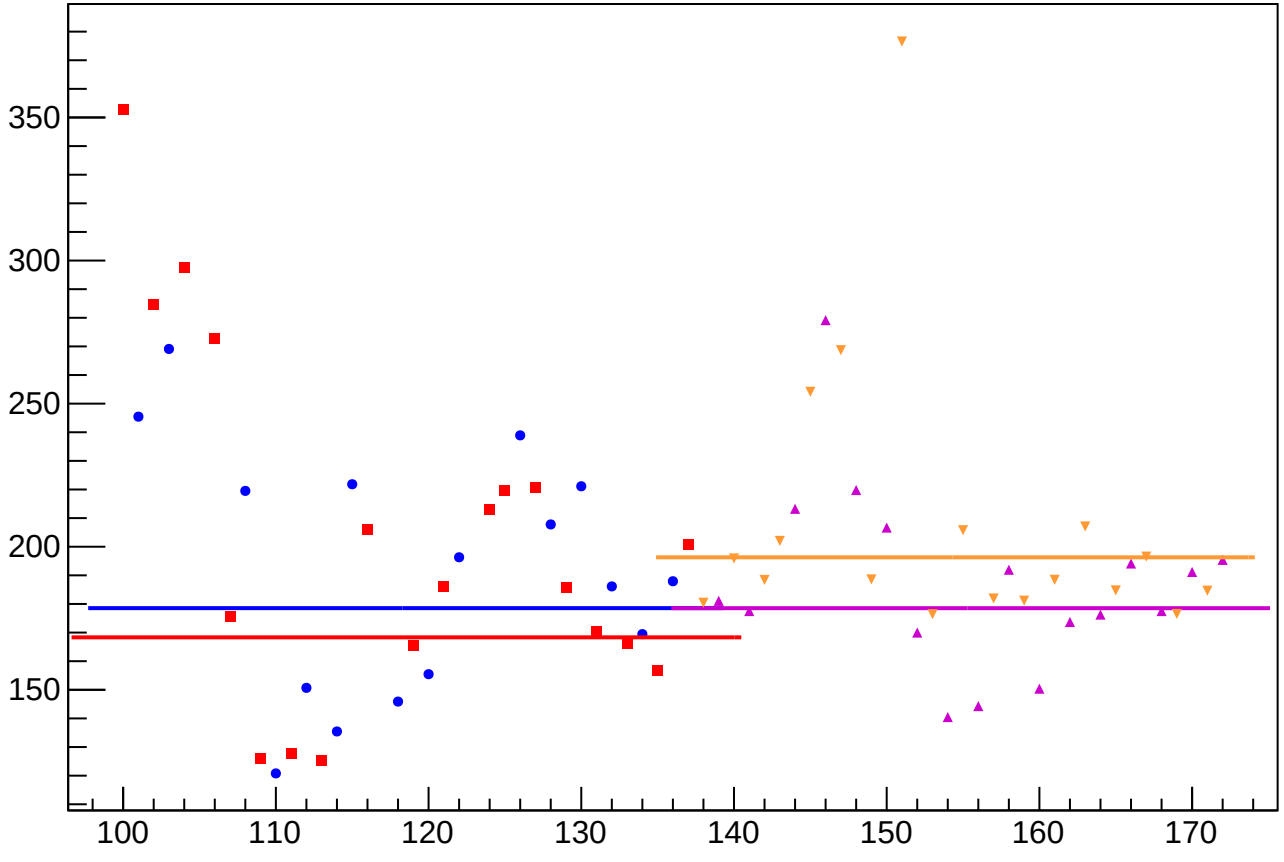
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6694.765+/-40.115 χ^2/NDF:42521.0/32

Out: -6981.573+/-41.178 χ^2/NDF:31707.5/36

All: -6834.419+/-28.734 χ^2/NDF: 74253.4/69

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 196.298+/-0.038 χ^2/NDF:664071.1/17

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: 186.702+/-0.026 χ^2/NDF: 1462882.0/34

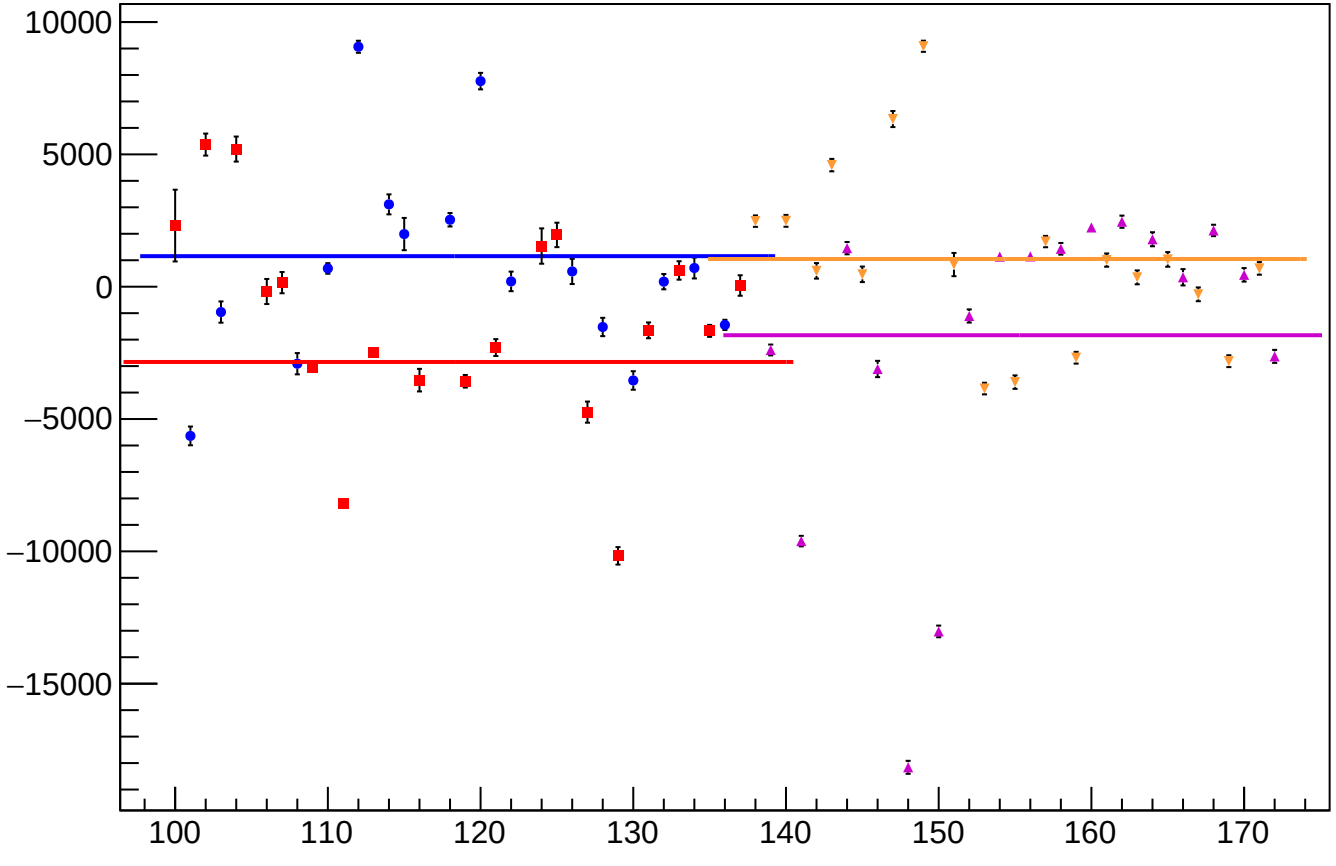
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 178.528+/-0.028 χ^2/NDF:1353291.2/32

Out: 185.024+/-0.029 χ^2/NDF:1865498.2/36

All: 181.691+/-0.020 χ^2/NDF: 3244323.7/69

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1047.122+/-58.258 χ^2/NDF:3527.1/17

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: -510.114+/-39.488 χ^2/NDF: 15941.9/34

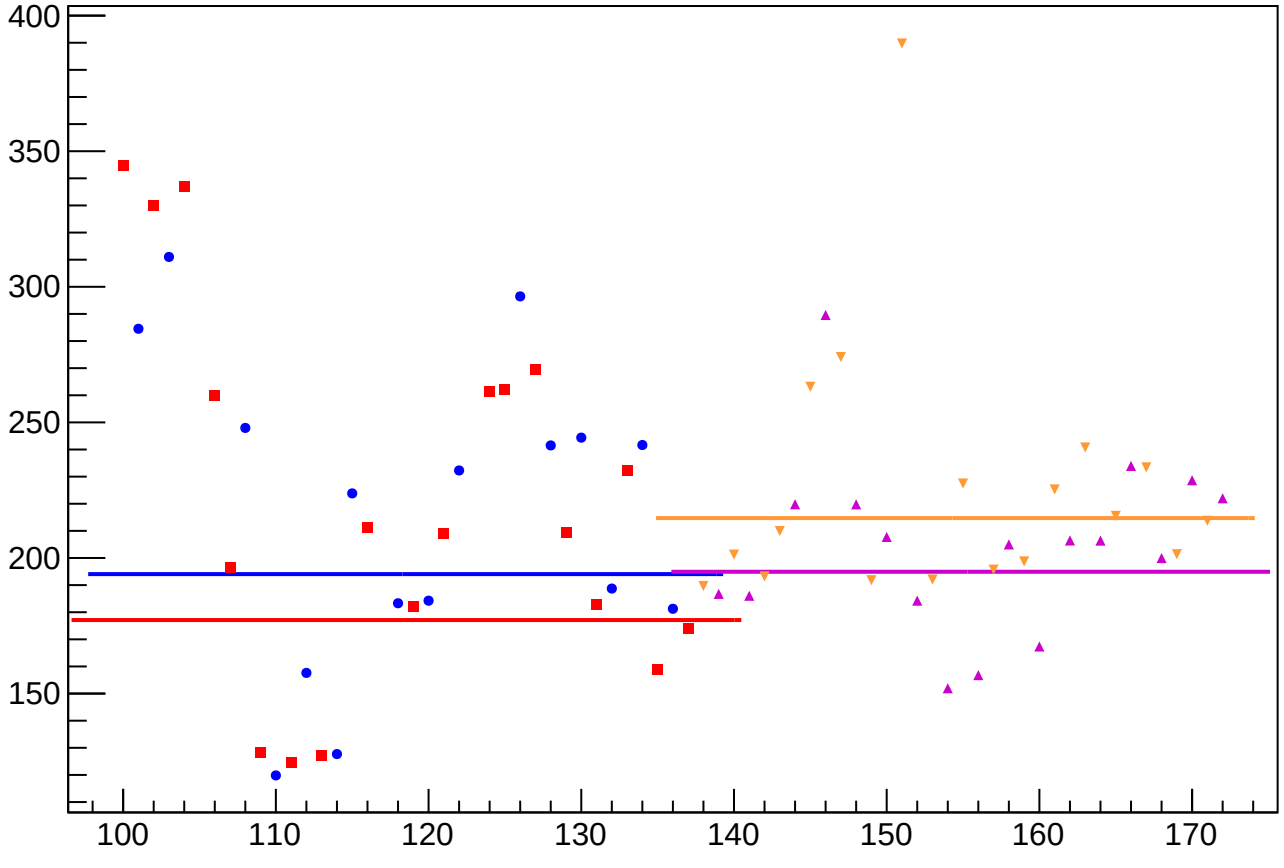
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -837.852+/-43.853 χ^2/NDF:14779.7/32

Out: -568.449+/-44.551 χ^2/NDF:7832.4/36

All: -705.276+/-31.253 χ^2/NDF: 22630.7/69

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.712+/-0.041 χ^2/NDF:609998.8/17

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 194.922+/-0.038 χ^2/NDF:628541.2/16

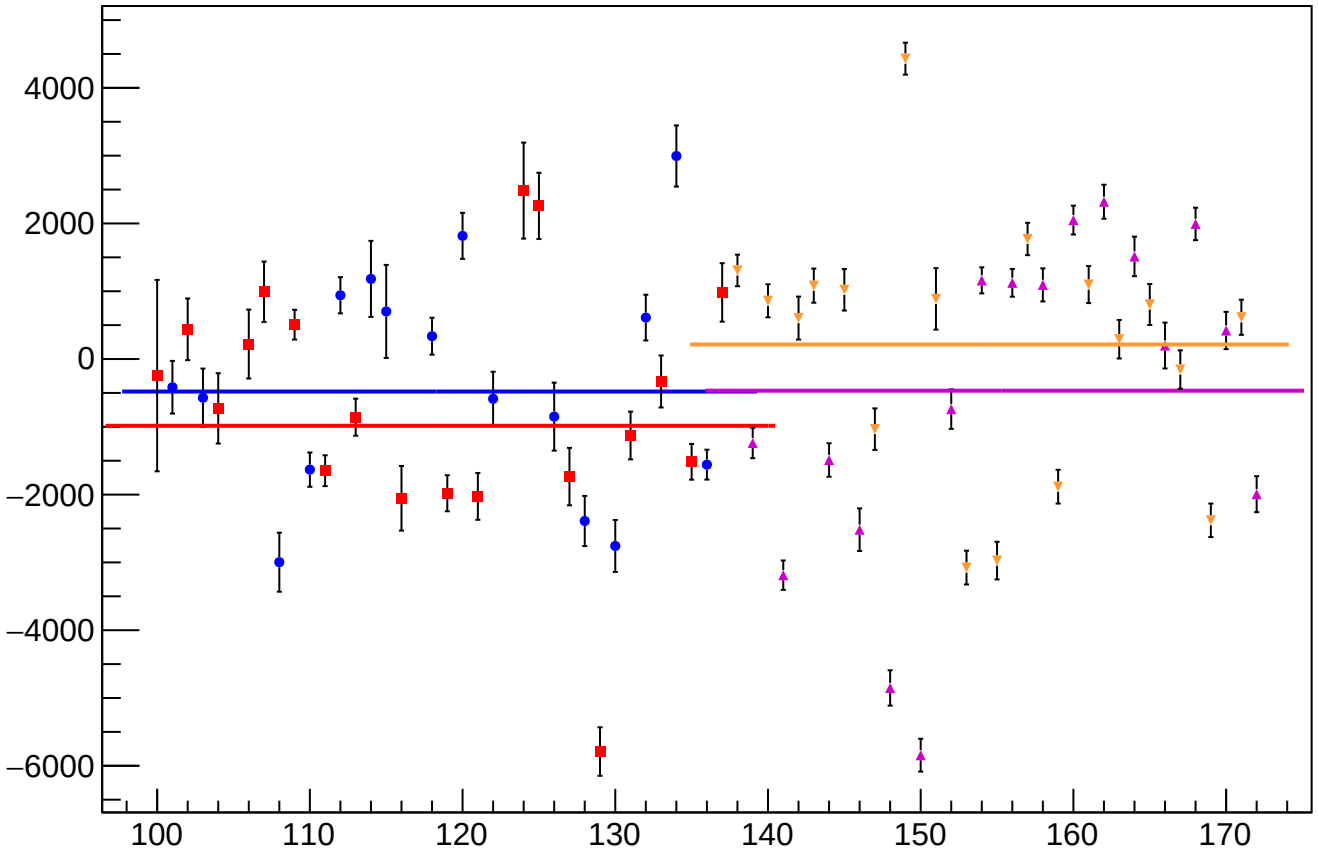
Left: 204.015+/-0.028 χ^2/NDF: 1363298.9/34

Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 194.632+/-0.031 χ^2/NDF:1594501.9/32

Out: 199.102+/-0.032 χ^2/NDF:2315205.2/36

All: 196.832+/-0.022 χ^2/NDF: 3919930.2/69



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 214.749+/-63.457 χ^2/NDF:935.3/17

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: -147.799+/-43.408 χ^2/NDF: 2637.9/34

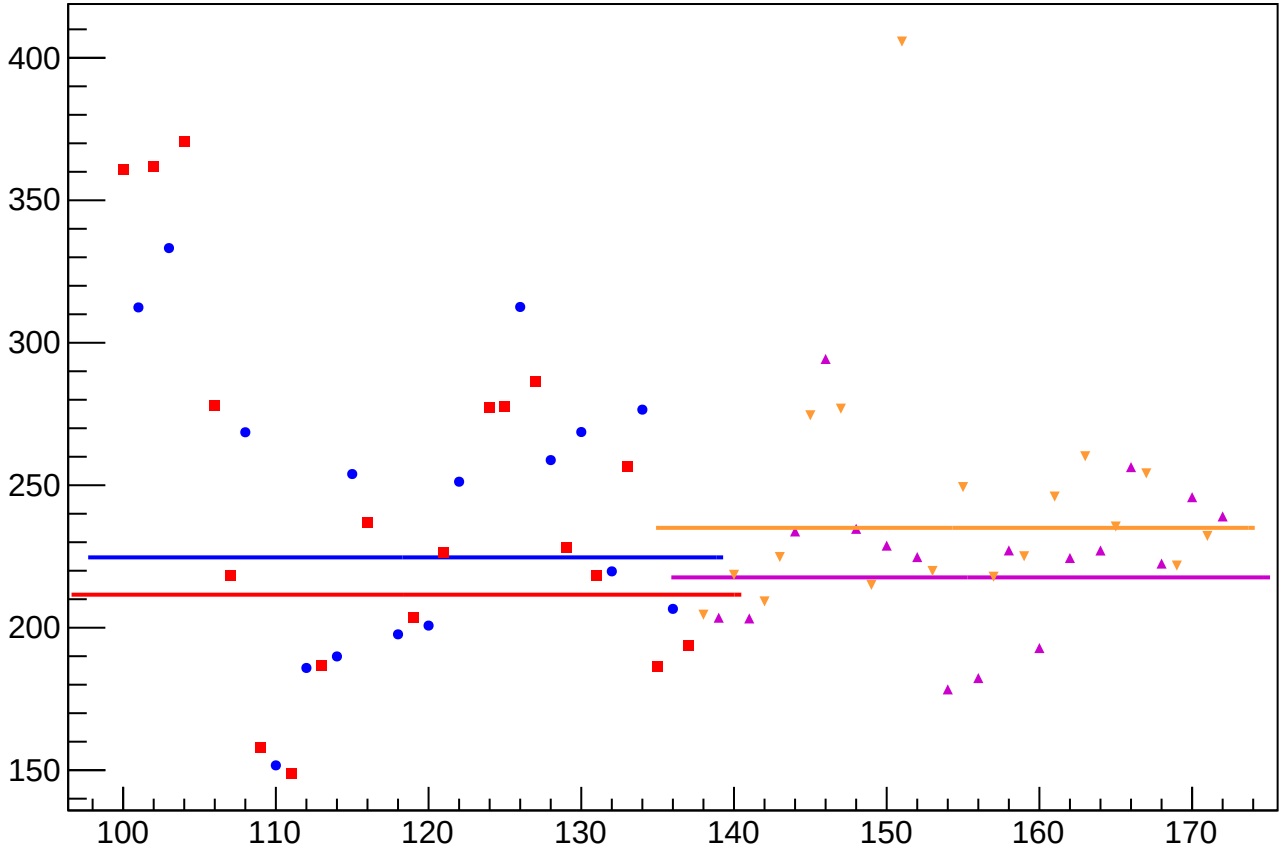
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -470.698+/-49.061 χ^2/NDF:1946.8/32

Out: -241.732+/-49.940 χ^2/NDF:1469.4/36

All: -358.248+/-34.998 χ^2/NDF: 3426.8/69

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.048+/-0.045 χ^2/NDF:487894.6/17

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: 225.795+/-0.031 χ^2/NDF: 964668.7/34

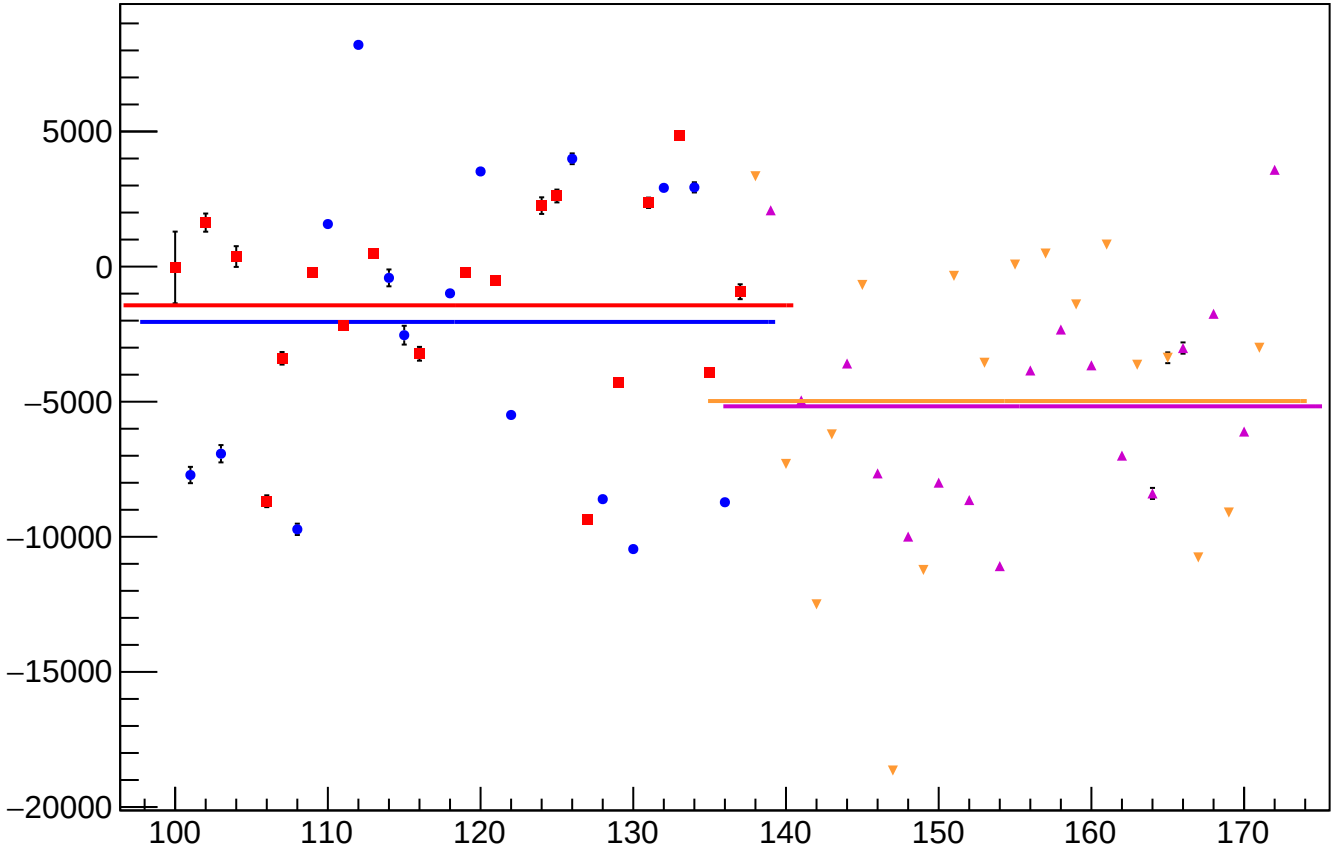
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 219.907+/-0.035 χ^2/NDF:1058966.8/32

Out: 226.121+/-0.035 χ^2/NDF:1524787.8/36

All: 222.959+/-0.025 χ^2/NDF: 2599510.4/69

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4975.350+/-33.293 χ^2/NDF:31638.2/17

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: -5071.110+/-23.791 χ^2/NDF: 44641.6/34

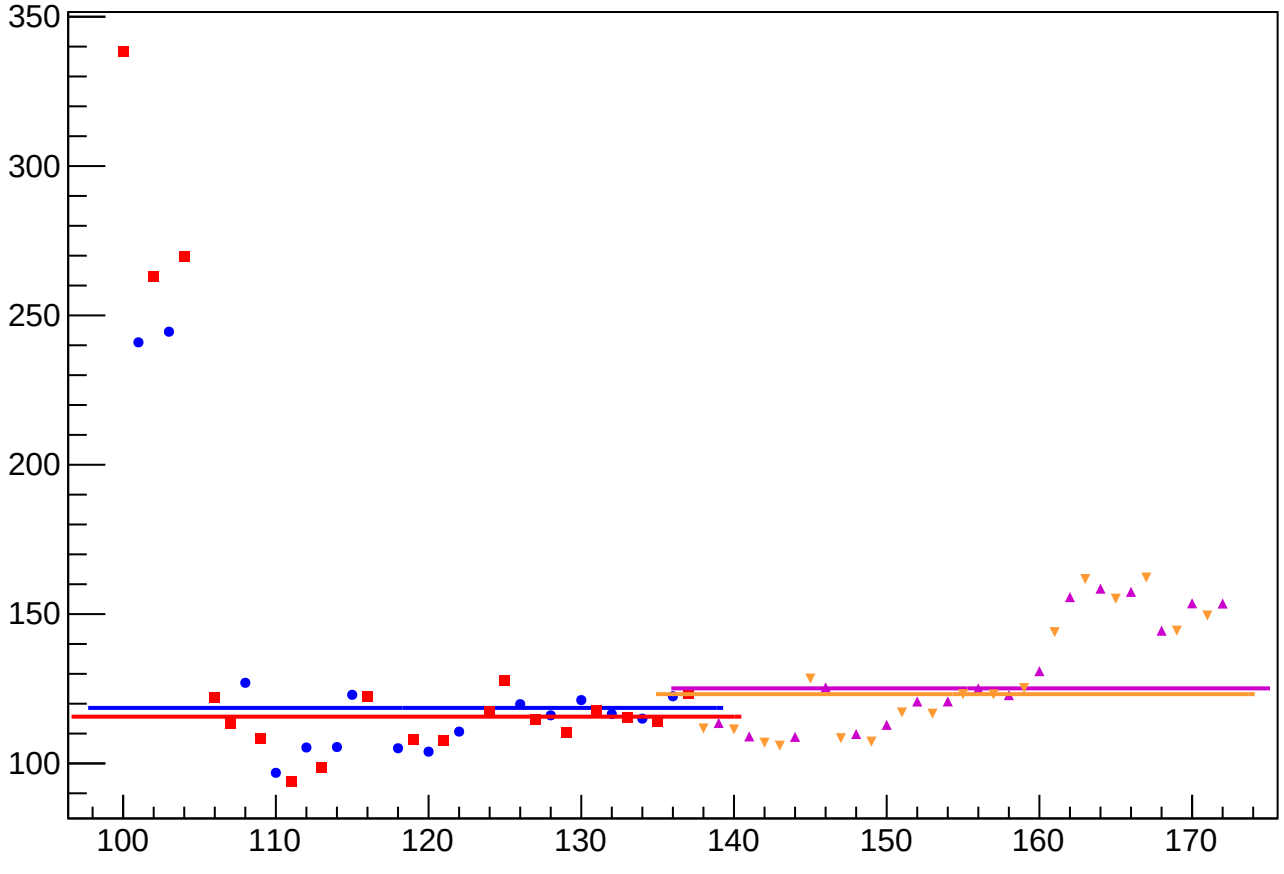
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4089.140+/-27.496 χ^2/NDF:32617.5/32

Out: -3712.436+/-26.707 χ^2/NDF:42062.2/36

All: -3895.304+/-19.158 χ^2/NDF: 74776.3/69

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 123.201+/-0.024 χ^2/NDF:530736.7/17

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 125.133+/-0.024 χ^2/NDF:457640.1/16

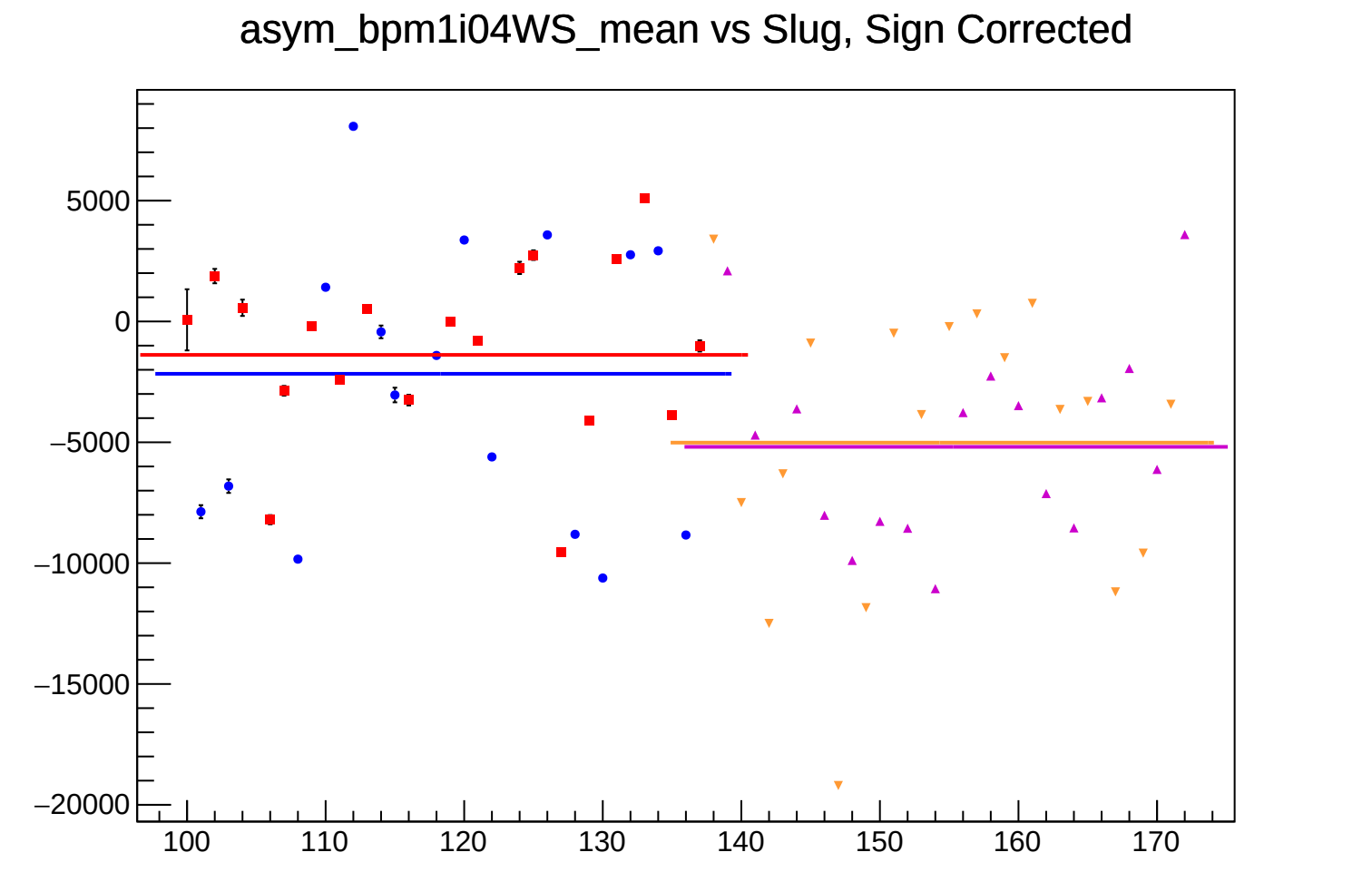
Left: 124.146+/-0.017 χ^2/NDF: 991671.6/34

Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 122.869+/-0.019 χ^2/NDF:1217389.2/32

Out: 120.512+/-0.019 χ^2/NDF:1431527.4/36

All: 121.656+/-0.014 χ^2/NDF: 2656474.0/69



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -5013.827+/-30.011 χ^2/NDF:38795.6/17

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: -5098.504+/-21.561 χ^2/NDF: 54480.5/34

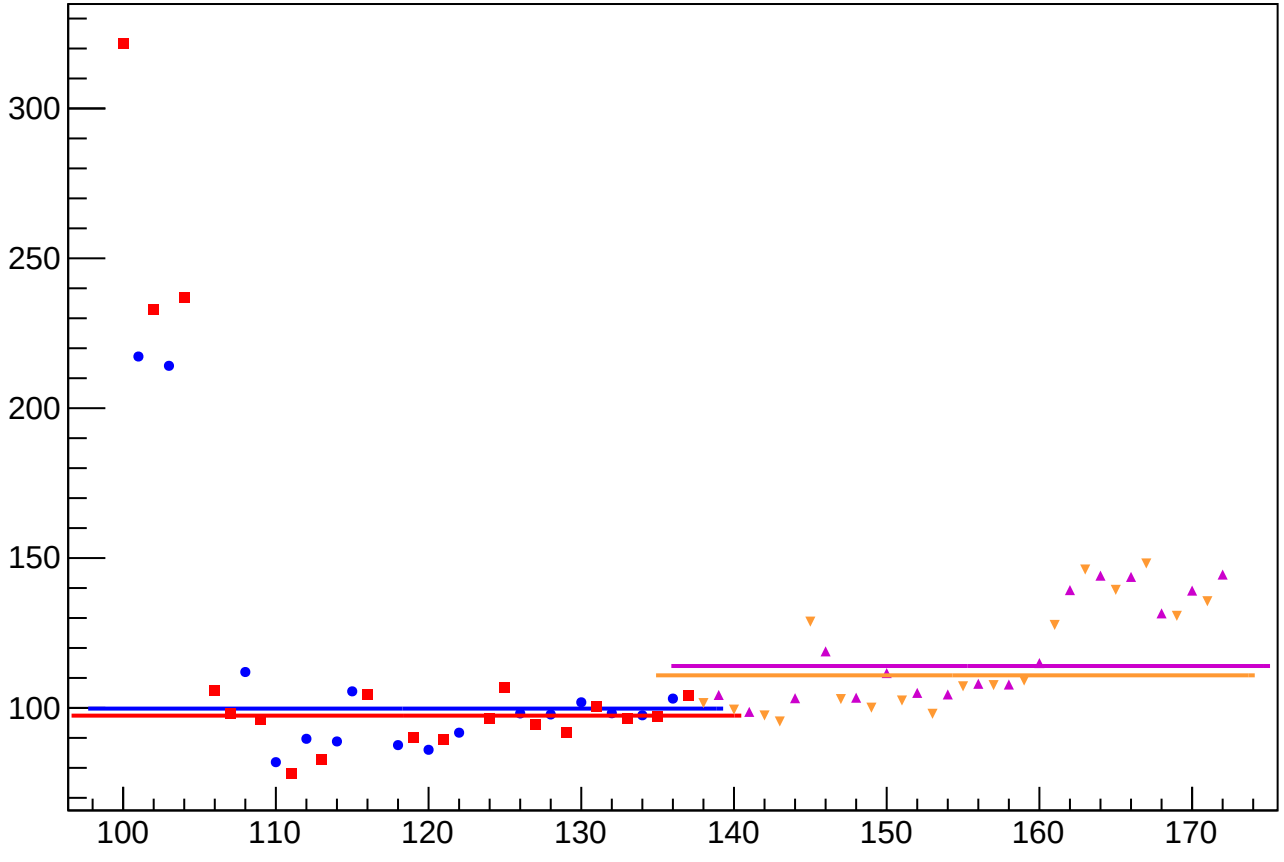
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -4041.520+/-24.416 χ^2/NDF:42153.2/32

Out: -3618.058+/-23.546 χ^2/NDF:53570.8/36

All: -3822.112+/-16.949 χ^2/NDF: 95879.8/69

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 110.873+/-0.021 χ^2/NDF:559420.7/17

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: 112.378+/-0.015 χ^2/NDF: 1011087.3/34

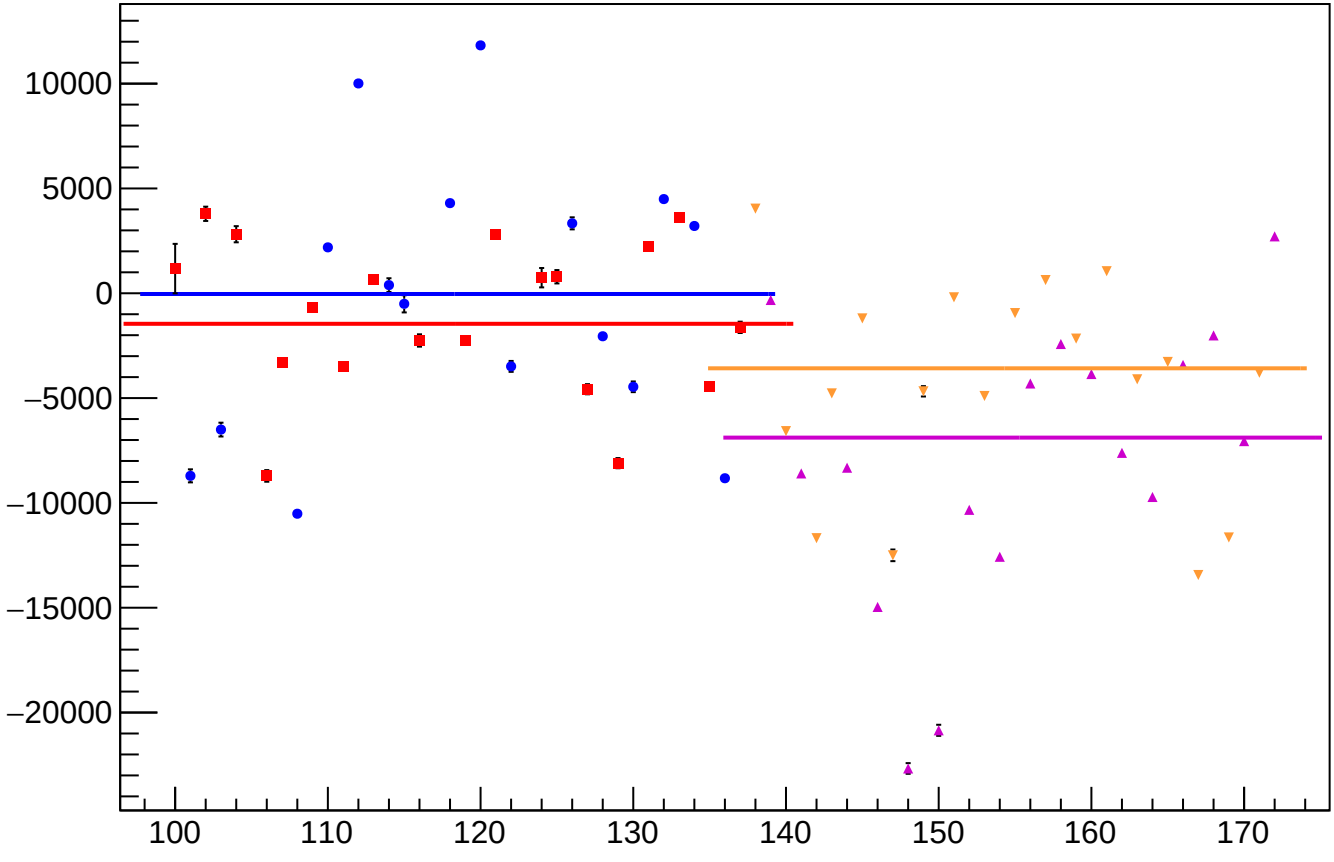
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 108.591+/-0.017 χ^2/NDF:1409946.7/32

Out: 105.704+/-0.017 χ^2/NDF:1639788.4/36

All: 107.095+/-0.012 χ^2/NDF: 3064228.7/69

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -3579.578+/-42.104 χ^2/NDF:11974.0/17

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: -5172.845+/-30.306 χ^2/NDF: 31880.4/34

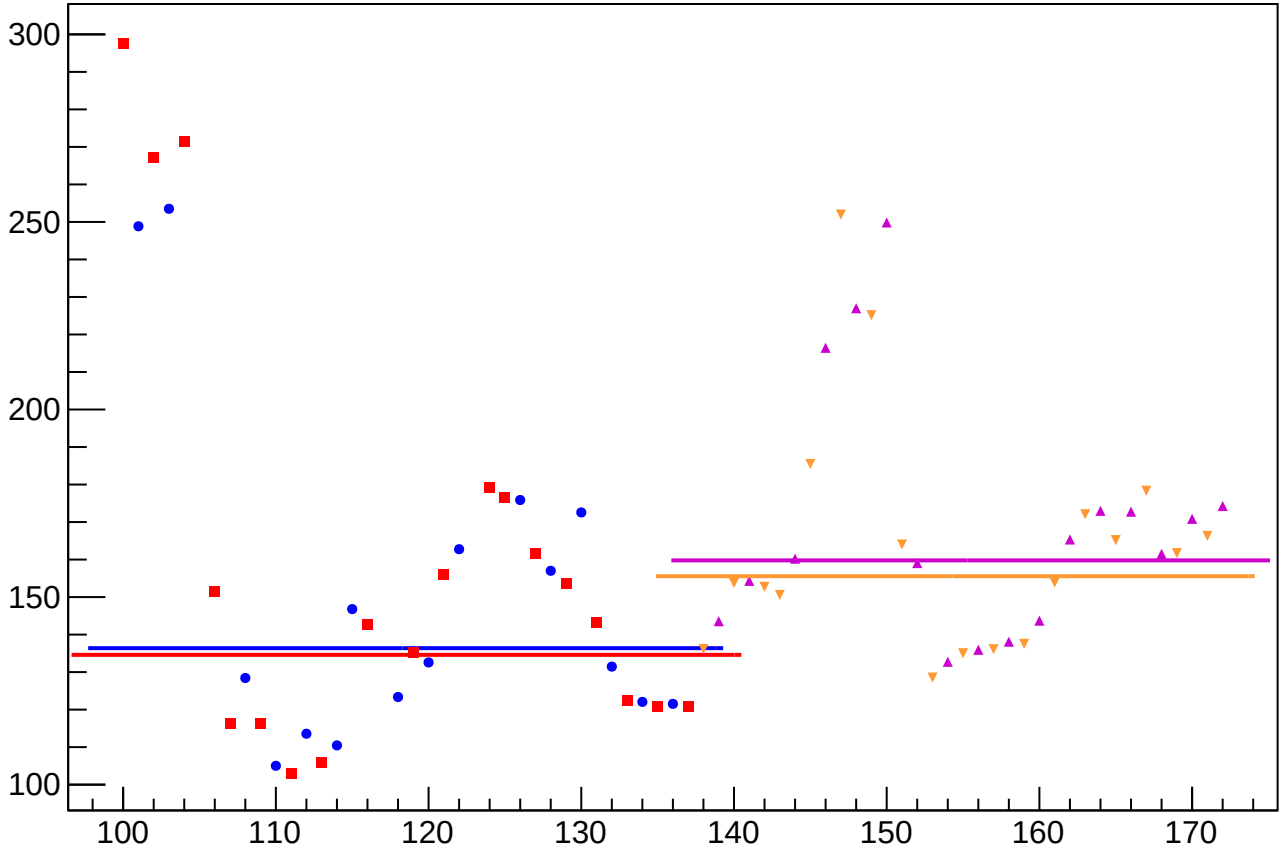
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -4145.167+/-33.815 χ^2/NDF:43589.5/32

Out: -2737.863+/-32.709 χ^2/NDF:17098.9/36

All: -3418.118+/-23.510 χ^2/NDF: 61583.2/69

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 155.564+/-0.030 χ^2/NDF:706238.0/17

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 159.780+/-0.031 χ^2/NDF:735415.9/16

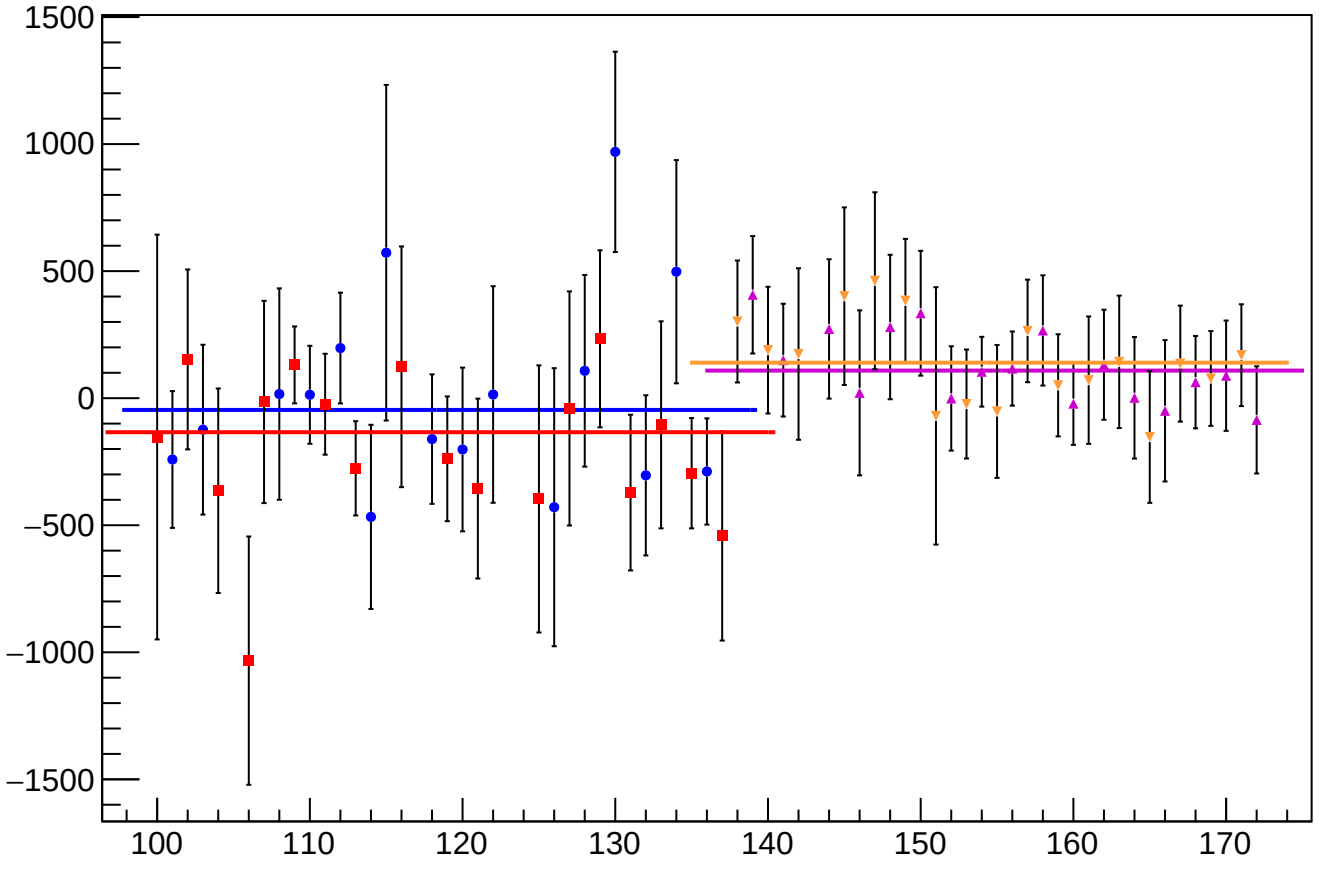
Left: 157.596+/-0.021 χ^2/NDF: 1451318.5/34

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 150.421+/-0.024 χ^2/NDF:1762068.3/32

Out: 147.251+/-0.023 χ^2/NDF:1822466.5/36

All: 148.784+/-0.017 χ^2/NDF: 3593613.1/69



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 139.745+/-59.397 χ^2/NDF:6.3/16

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 108.615+/-50.041 χ^2/NDF:6.3/16

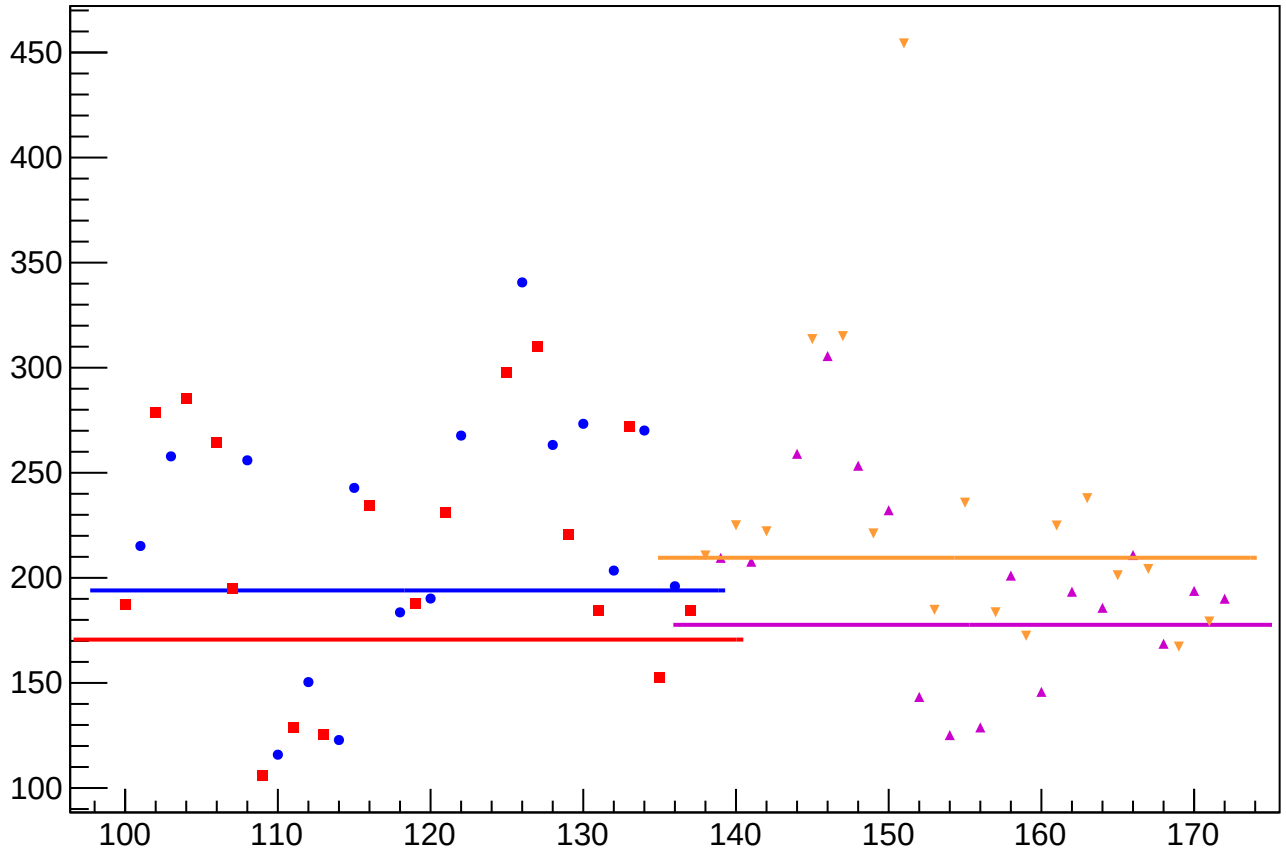
Left: 121.538+/-38.270 χ^2/NDF: 12.7/33

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 62.037+/-41.842 χ^2/NDF:24.6/32

Out: 22.126+/-44.851 χ^2/NDF:28.2/34

All: 43.466+/-30.595 χ^2/NDF: 53.2/67



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 209.568+/-0.042 χ^2/NDF:1173575.4/16

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: 190.901+/-0.027 χ^2/NDF: 3048903.4/33

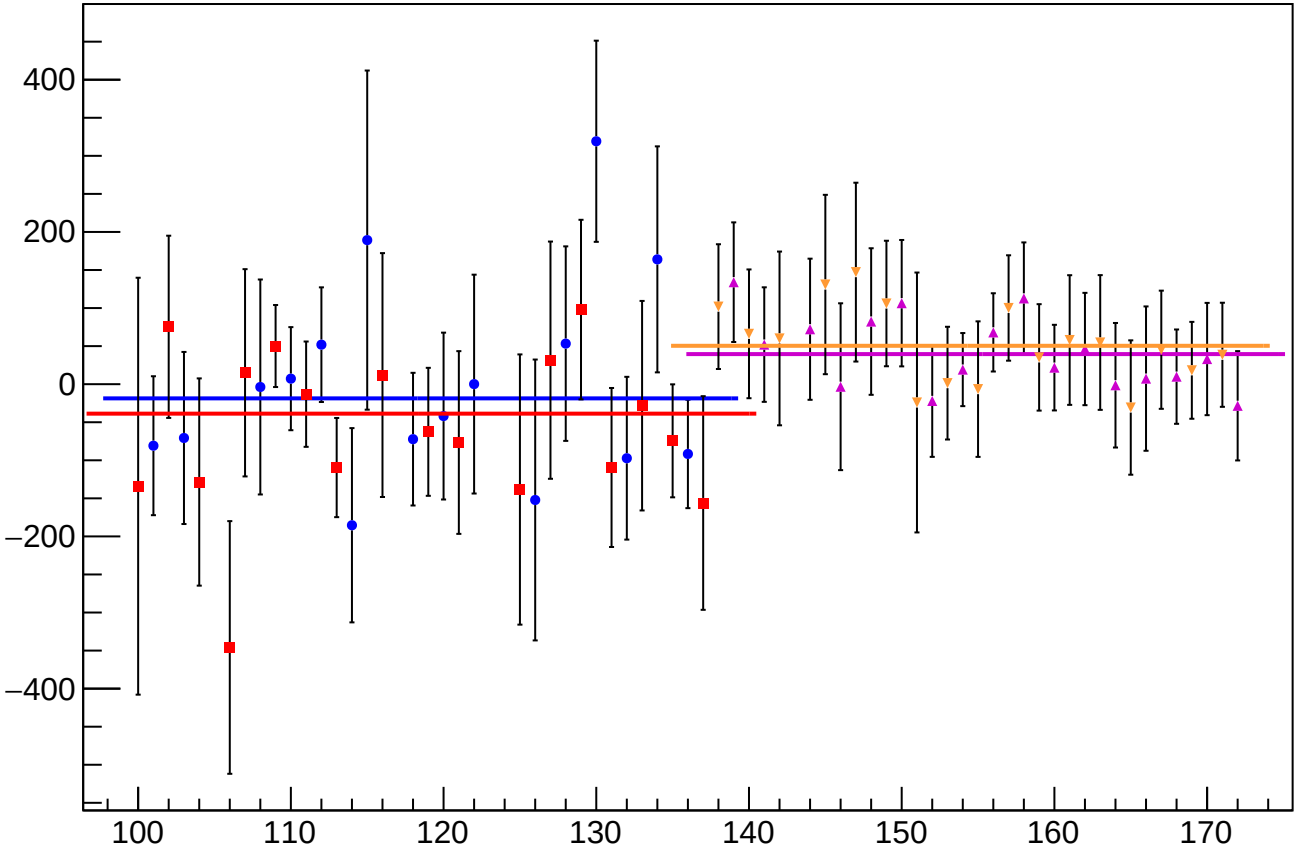
Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 182.575+/-0.030 χ^2/NDF:2645517.8/32

Out: 192.830+/-0.032 χ^2/NDF:3136851.2/34

All: 187.347+/-0.022 χ^2/NDF: 5838271.4/67

asym_bcm_2an_us_an_ds_dd_mean vs Slug, Sign Corrected



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 50.432+/-20.272 χ^2/NDF:4.8/16

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 39.523+/-17.222 χ^2/NDF:6.4/16

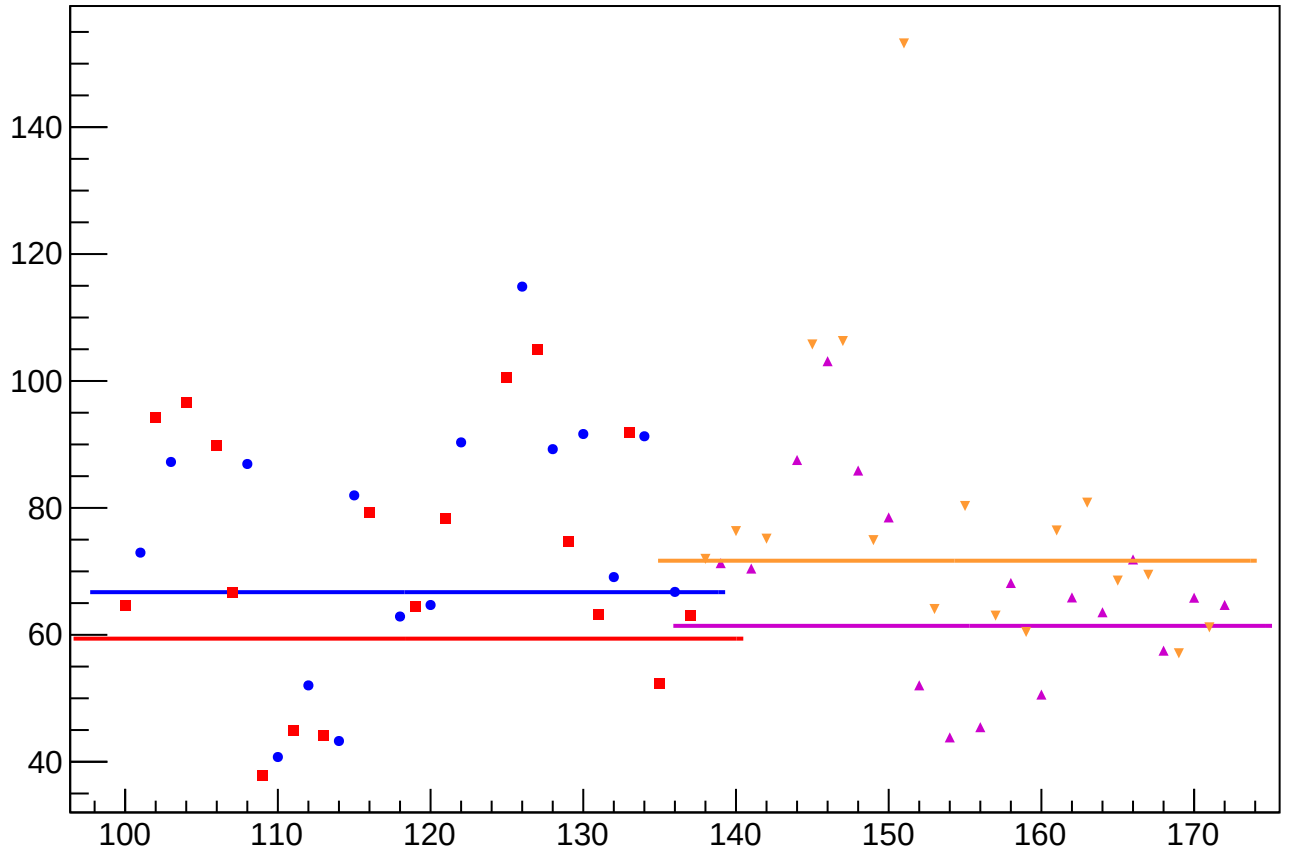
Left: 44.096+/-13.125 χ^2/NDF: 11.3/33

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 21.901+/-14.378 χ^2/NDF:25.0/32

Out: 12.678+/-15.392 χ^2/NDF:25.6/34

All: 17.603+/-10.507 χ^2/NDF: 50.8/67



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 71.680+/-0.014 χ^2/NDF:1114495.2/16

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 61.417+/-0.012 χ^2/NDF:1359603.6/16

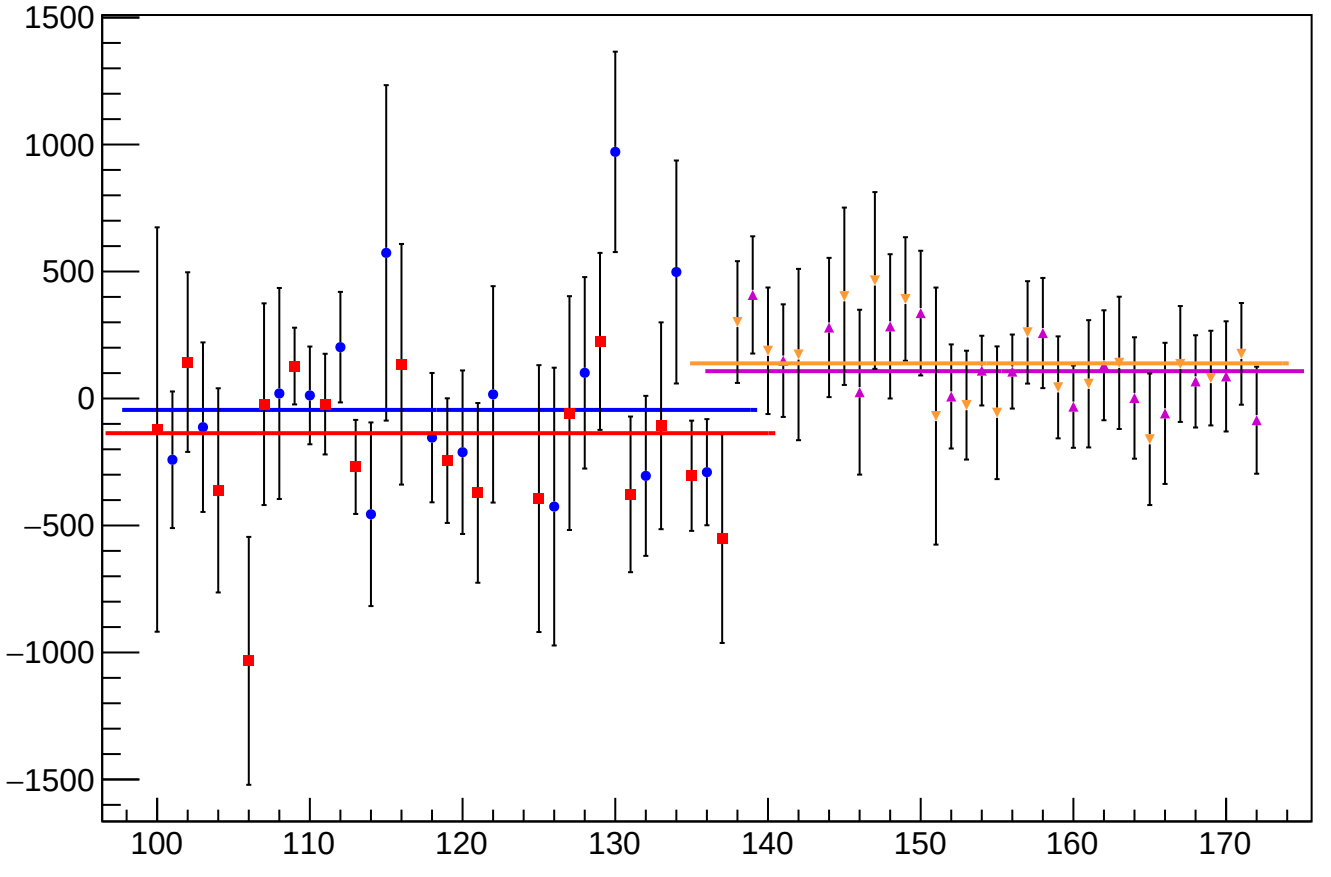
Left: 65.719+/-0.009 χ^2/NDF: 2771817.7/33

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 63.025+/-0.010 χ^2/NDF:2364188.5/32

Out: 66.479+/-0.011 χ^2/NDF:2870636.6/34

All: 64.635+/-0.007 χ^2/NDF: 5288625.8/67



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 138.380+/-59.347 χ^2/NDF:6.5/16

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 107.646+/-49.999 χ^2/NDF:6.4/16

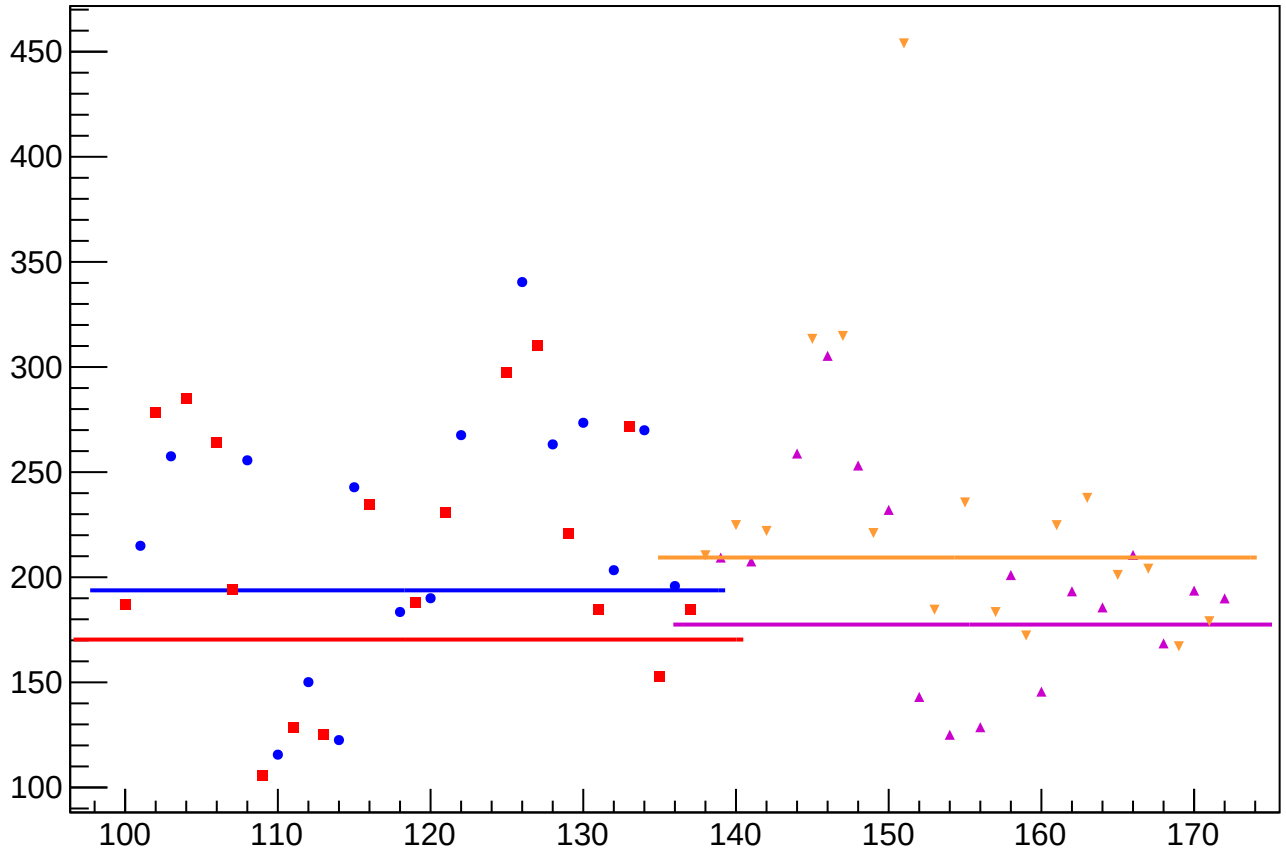
Left: 120.404+/-38.238 χ^2/NDF: 13.0/33

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 61.729+/-41.803 χ^2/NDF:24.6/32

Out: 20.135+/-44.804 χ^2/NDF:28.6/34

All: 42.372+/-30.565 χ^2/NDF: 53.7/67



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 209.389+/-0.042 χ^2/NDF:1174239.2/16

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 177.490+/-0.035 χ^2/NDF:1539654.5/16

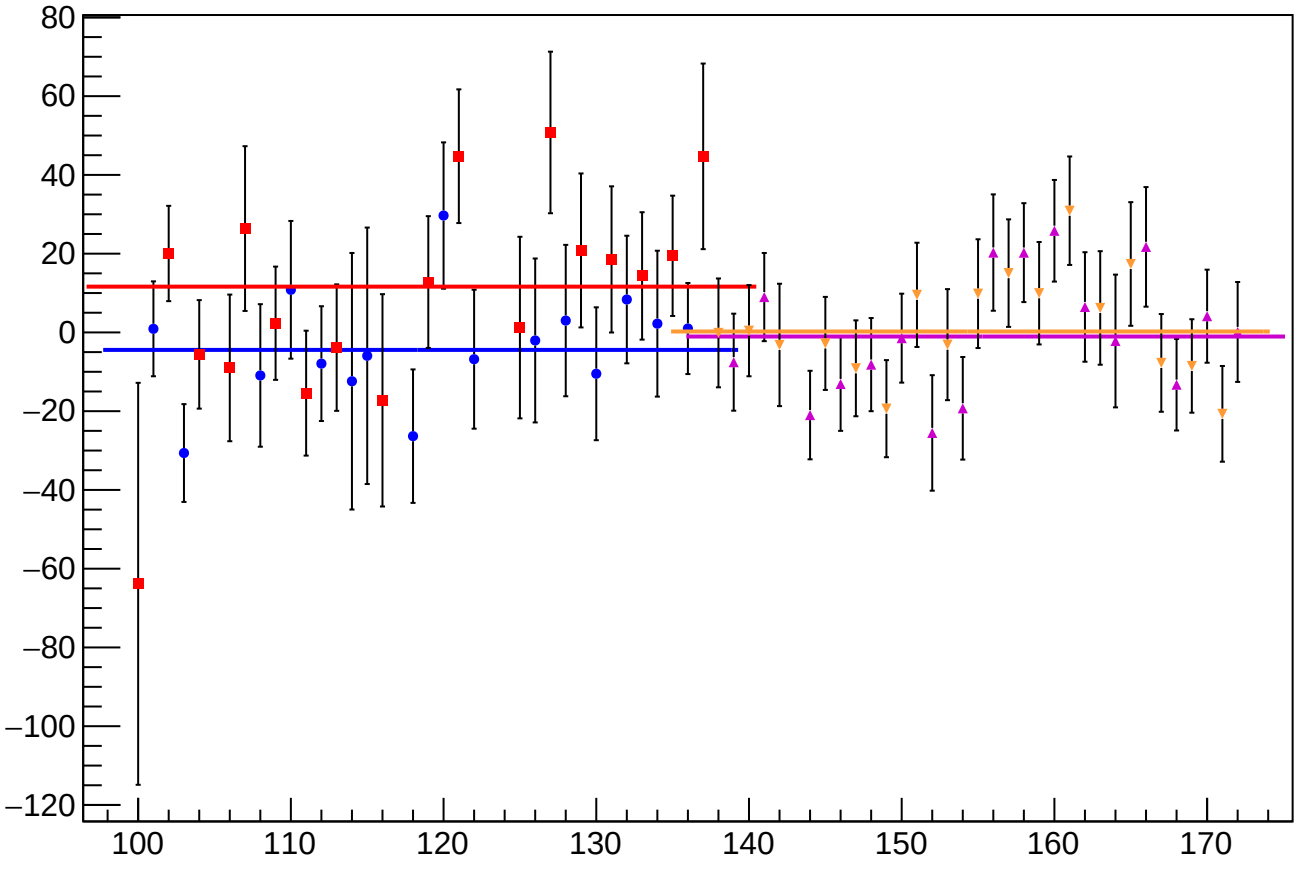
Left: 190.732+/-0.027 χ^2/NDF: 3051827.4/33

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 182.389+/-0.030 χ^2/NDF:2651546.6/32

Out: 192.604+/-0.032 χ^2/NDF:3145288.2/34

All: 187.143+/-0.022 χ^2/NDF: 5852404.7/67



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 0.236+/-3.177 χ^2/NDF:16.2/16

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -1.043+/-3.075 χ^2/NDF:23.5/16

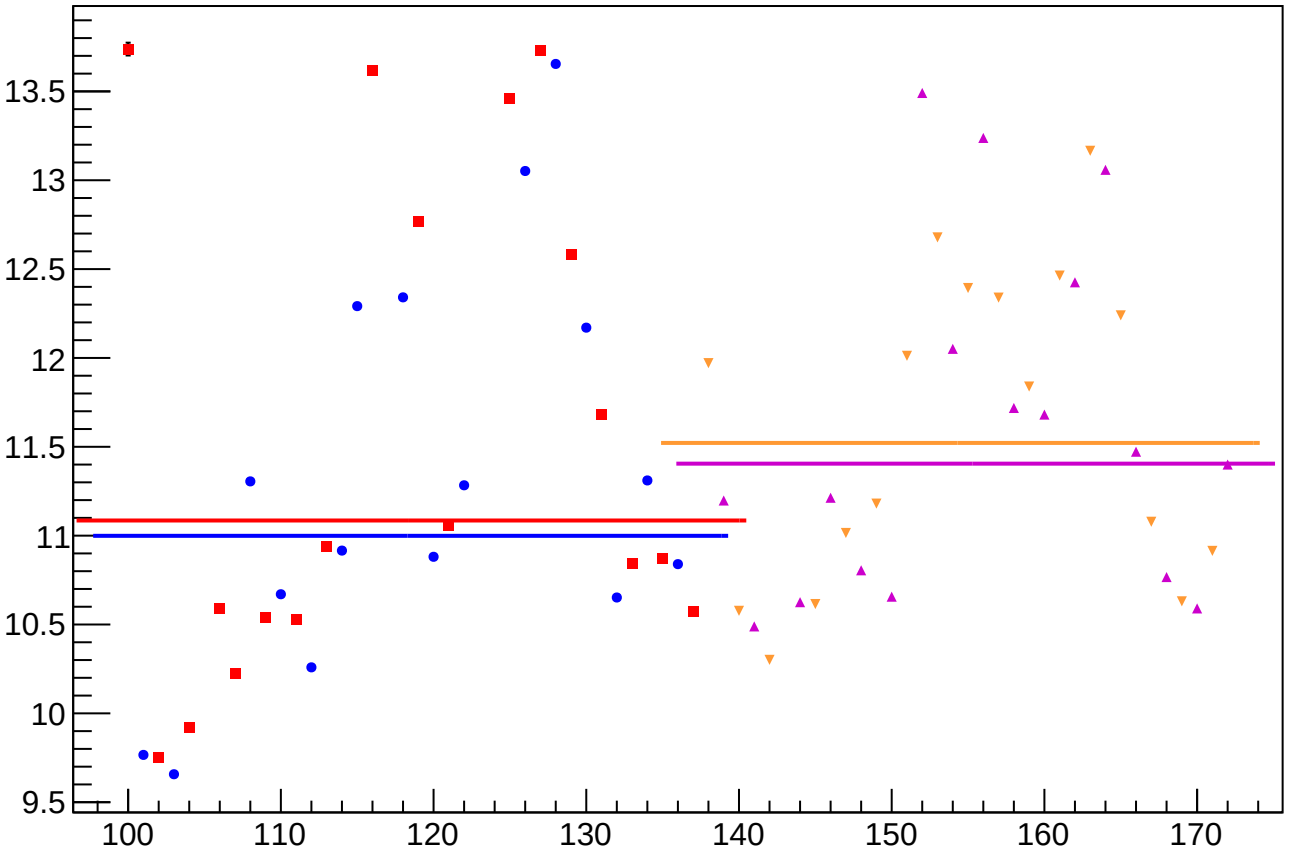
Left: -0.424+/-2.209 χ^2/NDF: 39.8/33

Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -2.254+/-2.466 χ^2/NDF:35.9/32

Out: 4.462+/-2.520 χ^2/NDF:42.7/34

All: 1.032+/-1.762 χ^2/NDF: 82.2/67



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.522+/-0.002 χ^2/NDF:135472.0/16

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.405+/-0.002 χ^2/NDF:161913.4/16

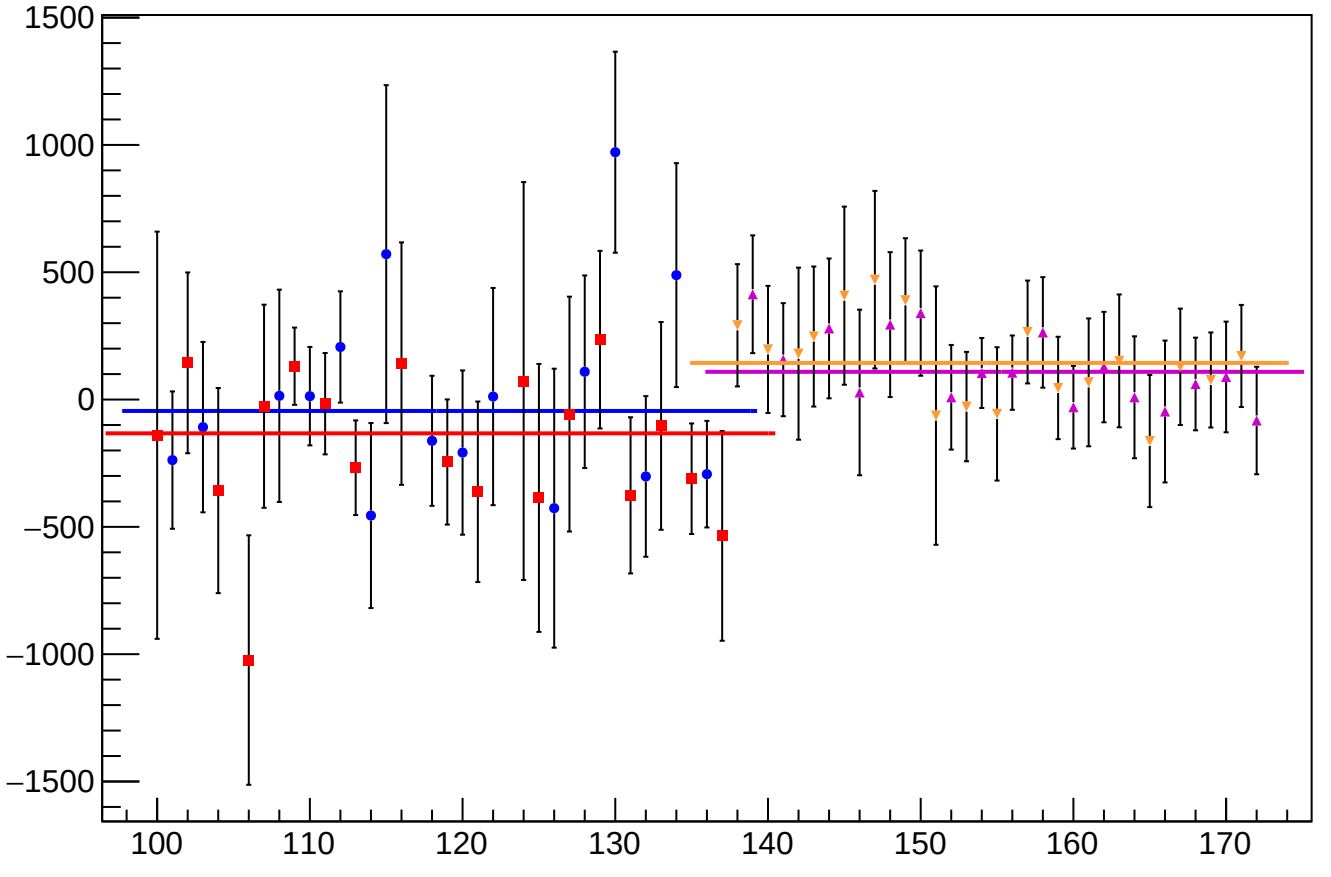
Left: 11.462+/-0.002 χ^2/NDF: 298777.4/33

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.260+/-0.002 χ^2/NDF:310513.8/32

Out: 11.360+/-0.002 χ^2/NDF:311684.5/34

All: 11.309+/-0.001 χ^2/NDF: 623790.2/67



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 143.920+/-58.110 χ^2/NDF:6.7/17

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 108.904+/-50.081 χ^2/NDF:6.4/16

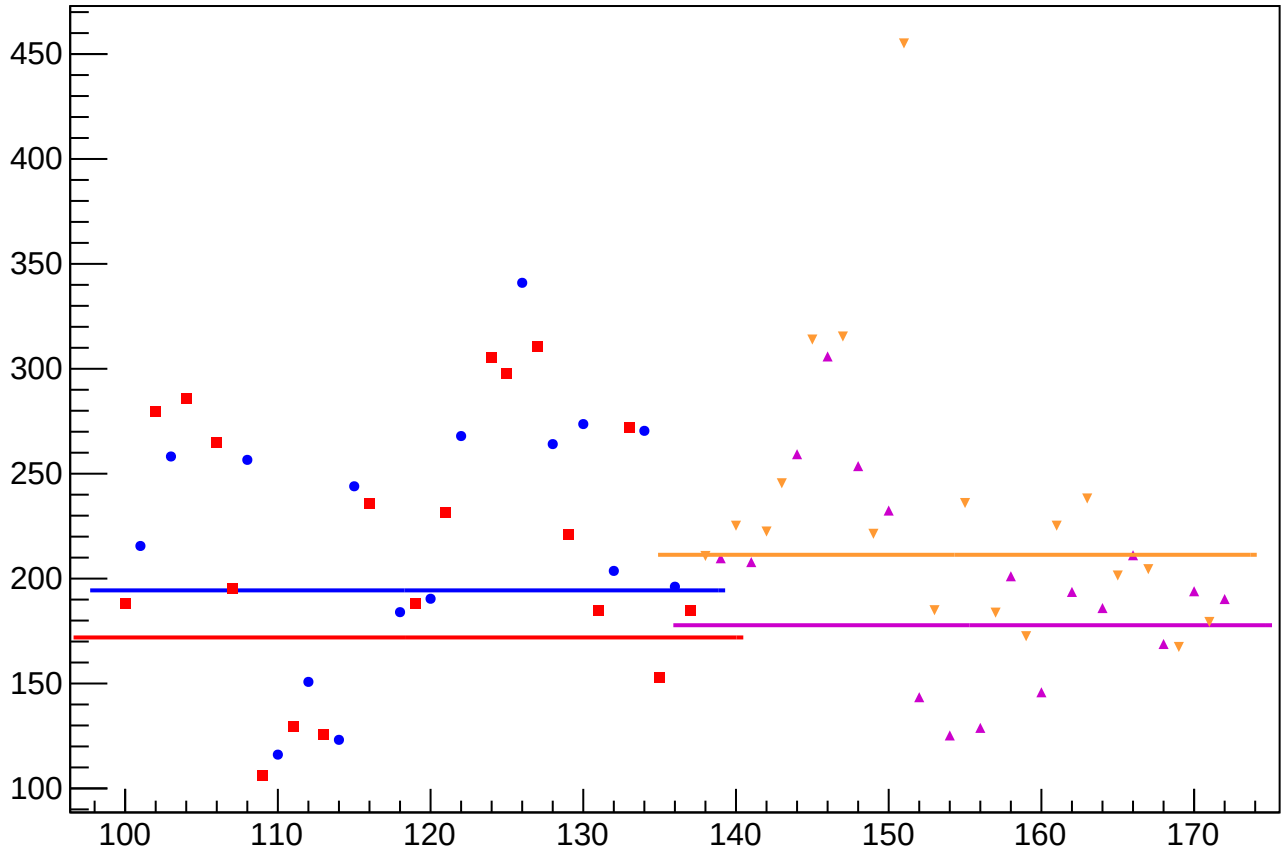
Left: 123.828+/-37.936 χ^2/NDF: 13.3/34

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 62.730+/-41.888 χ^2/NDF:24.7/32

Out: 27.693+/-44.250 χ^2/NDF:29.1/36

All: 46.171+/-30.420 χ^2/NDF: 54.0/69



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 211.348+/-0.041 χ^2/NDF:1207541.4/17

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 177.777+/-0.035 χ^2/NDF:1540049.1/16

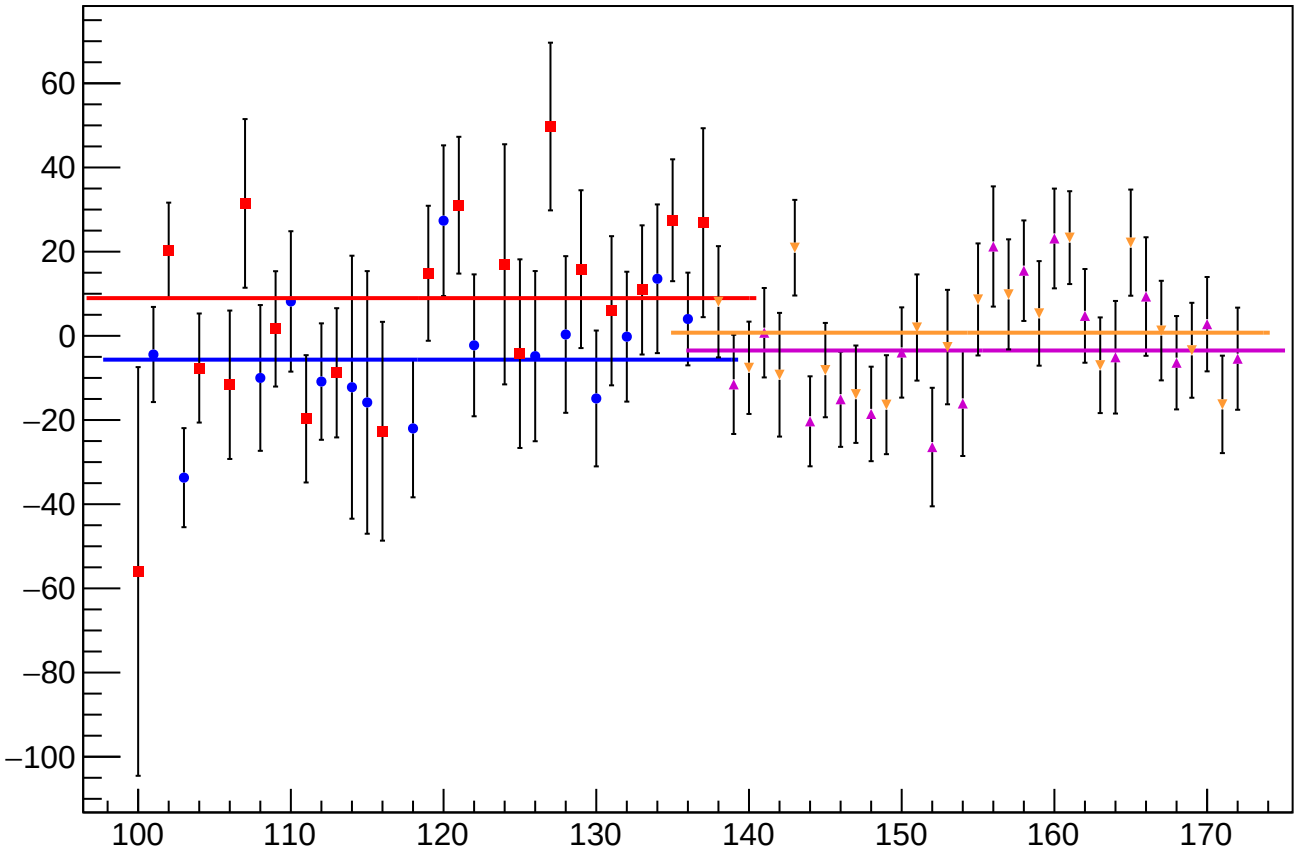
Left: 192.085+/-0.027 χ^2/NDF: 3130597.0/34

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 182.767+/-0.030 χ^2/NDF:2648148.3/32

Out: 194.795+/-0.031 χ^2/NDF:3245140.3/36

All: 188.451+/-0.022 χ^2/NDF: 5971230.9/69



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 0.747+/-2.846 χ^2/NDF:19.7/17

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -3.481+/-2.871 χ^2/NDF:22.0/16

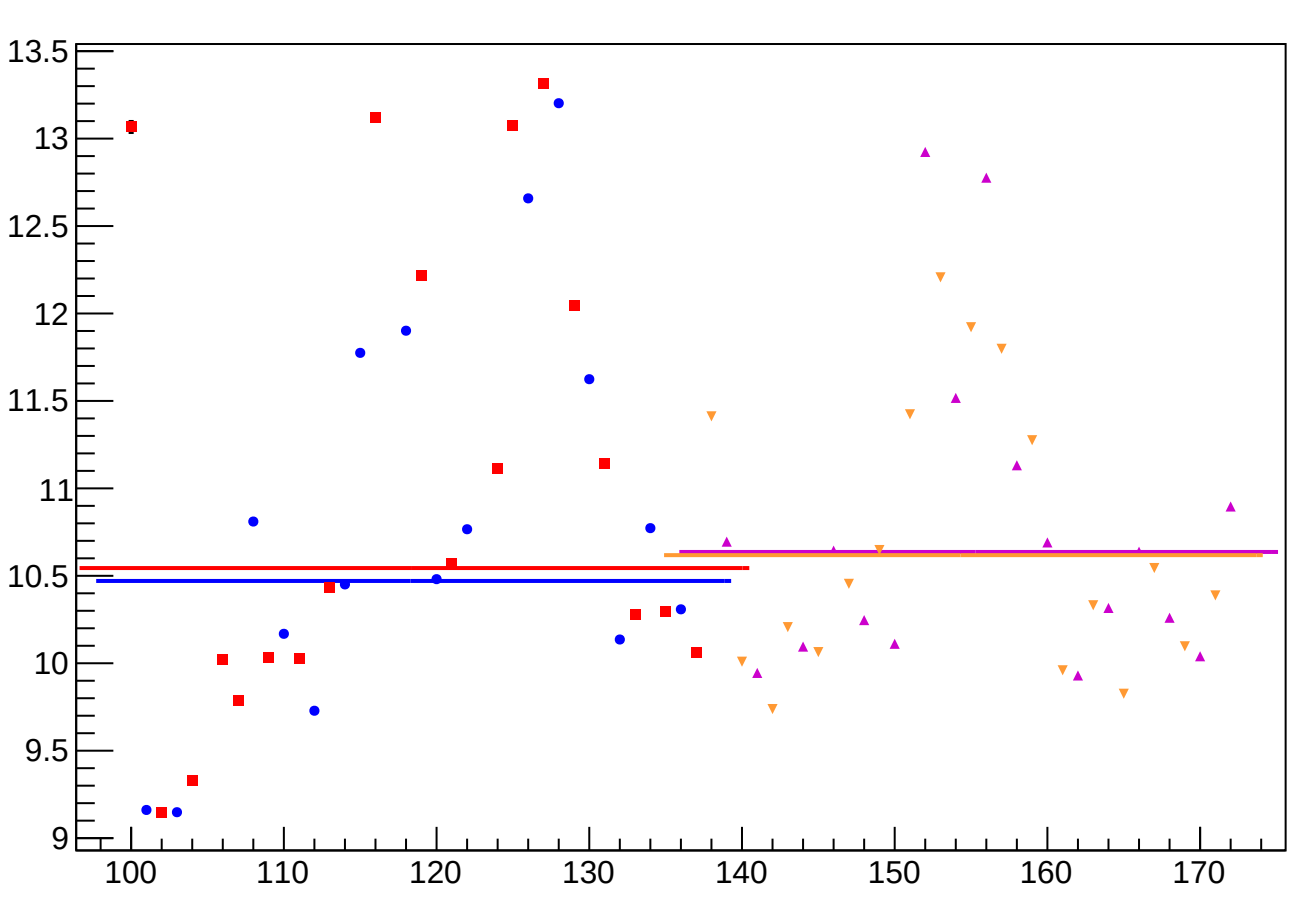
Left: -1.349+/-2.021 χ^2/NDF: 42.8/34

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -4.236+/-2.320 χ^2/NDF:35.9/32

Out: 3.600+/-2.299 χ^2/NDF:45.4/36

All: -0.283+/-1.633 χ^2/NDF: 87.0/69



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.618+/-0.002 χ^2/NDF:126427.7/17

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.636+/-0.002 χ^2/NDF:150070.9/16

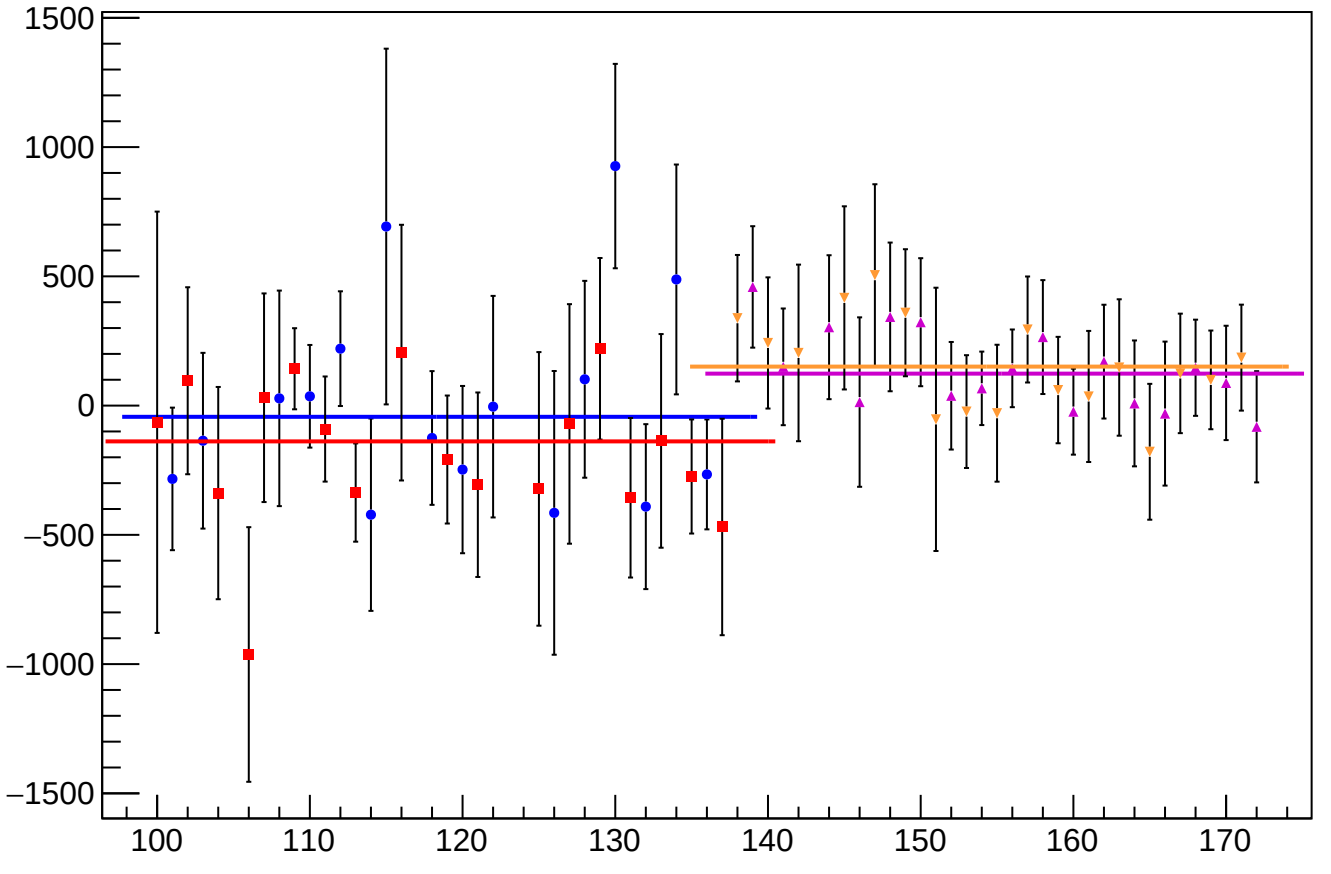
Left: 10.627+/-0.001 χ^2/NDF: 276539.3/34

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.579+/-0.002 χ^2/NDF:309750.6/32

Out: 10.593+/-0.002 χ^2/NDF:313675.5/36

All: 10.586+/-0.001 χ^2/NDF: 623461.1/69



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 150.867+/-60.378 χ^2/NDF:6.9/16

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 123.648+/-51.073 χ^2/NDF:6.9/16

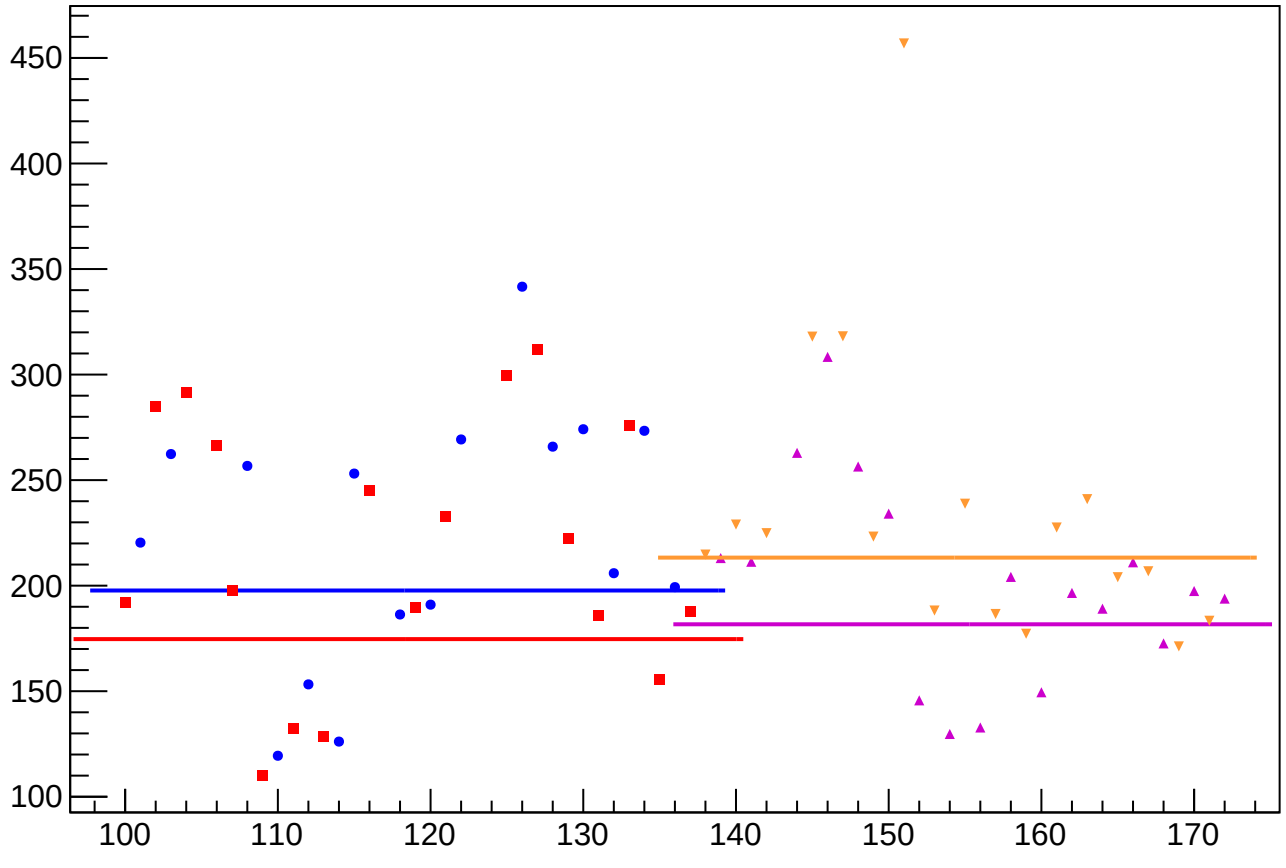
Left: 135.001+/-38.994 χ^2/NDF: 13.9/33

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 73.148+/-42.660 χ^2/NDF:25.6/32

Out: 27.104+/-45.674 χ^2/NDF:28.2/34

All: 51.695+/-31.176 χ^2/NDF: 54.3/67



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 213.290+/-0.043 χ^2/NDF:1135826.2/16

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 181.698+/-0.036 χ^2/NDF:1453169.2/16

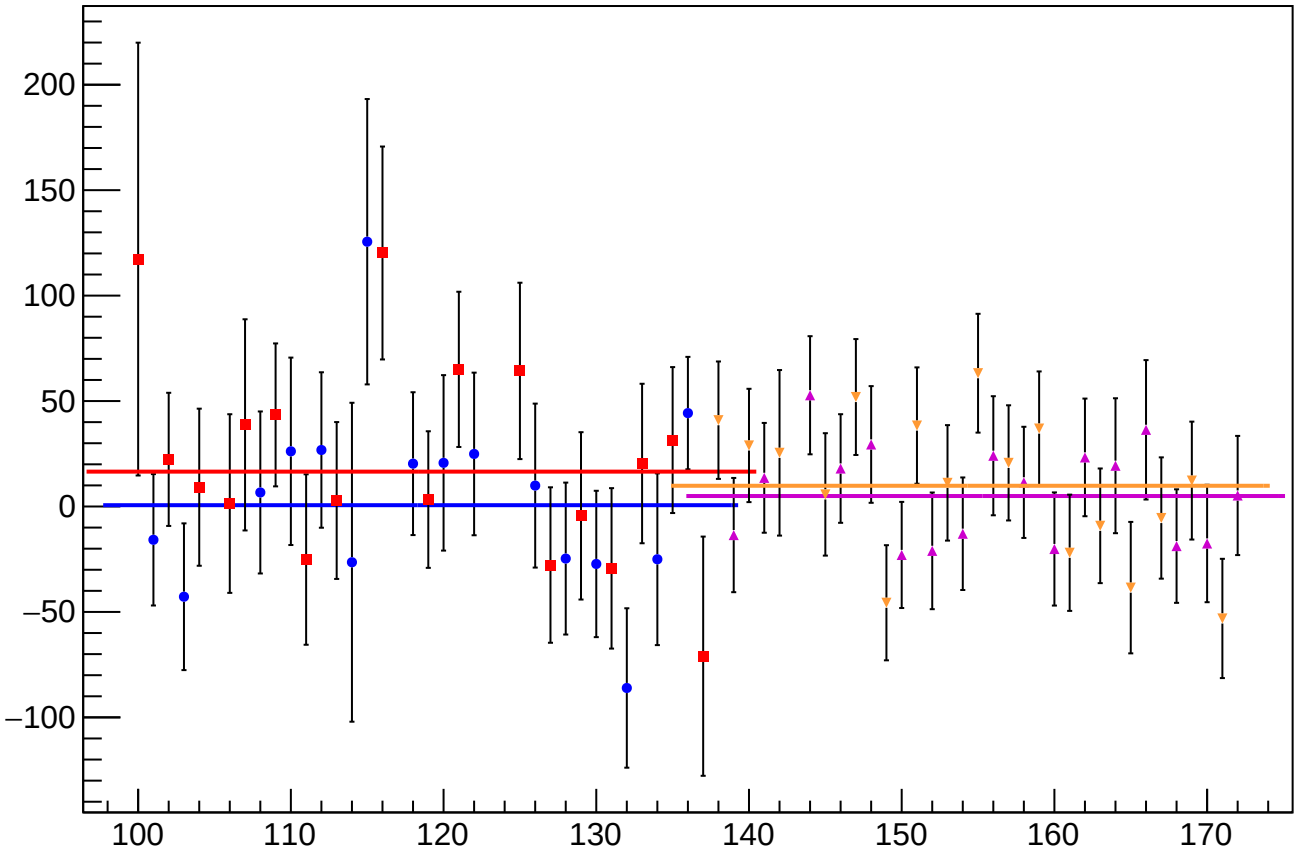
Left: 194.875+/-0.028 χ^2/NDF: 2908173.4/33

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 186.538+/-0.030 χ^2/NDF:2512908.5/32

Out: 196.773+/-0.032 χ^2/NDF:3020443.6/34

All: 191.307+/-0.022 χ^2/NDF: 5586995.5/67



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 9.829+/-6.864 χ^2/NDF:23.7/16

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 4.967+/-6.681 χ^2/NDF:11.5/16

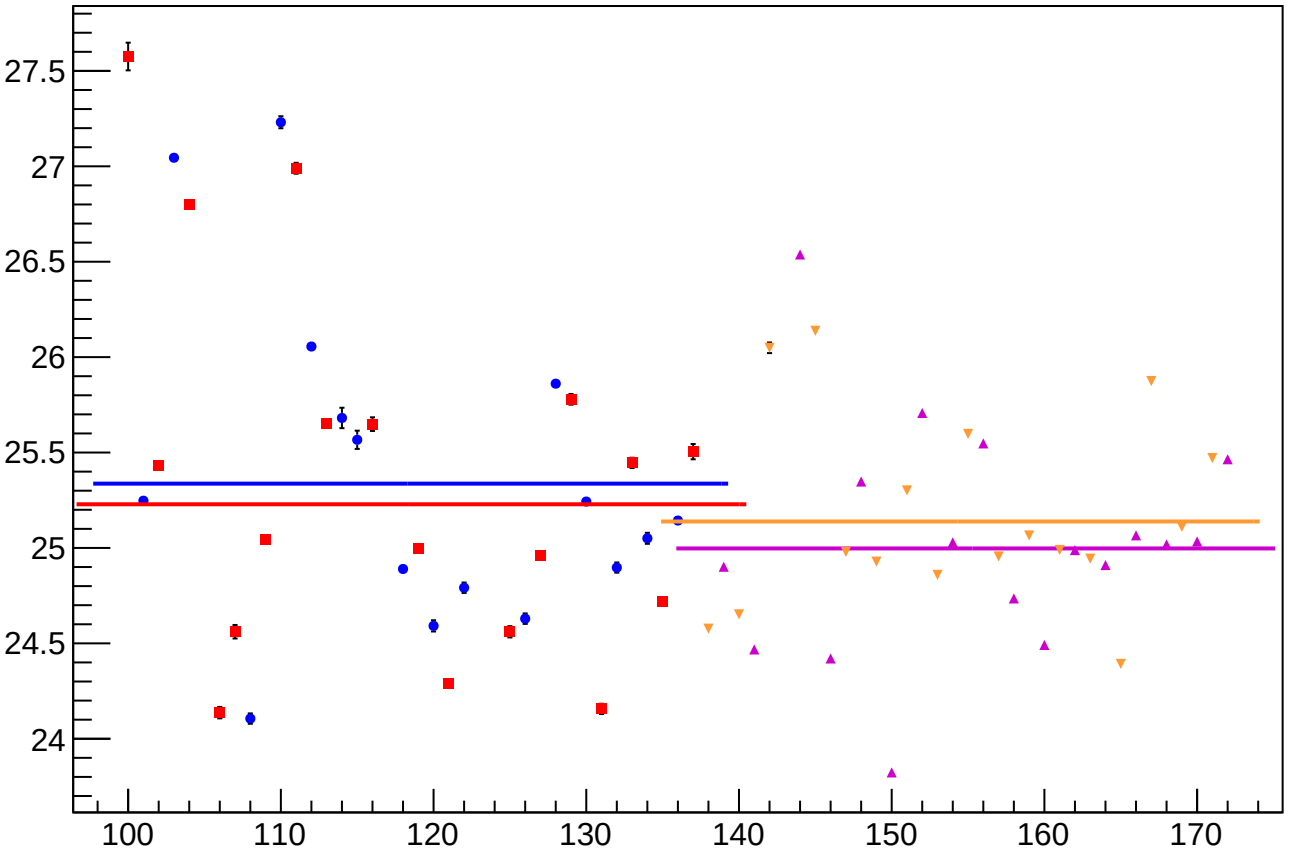
Left: 7.332+/-4.788 χ^2/NDF: 35.4/33

Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 3.512+/-5.450 χ^2/NDF:28.3/32

Out: 12.191+/-5.524 χ^2/NDF:40.4/34

All: 7.793+/-3.880 χ^2/NDF: 70.0/67



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.139+/-0.005 χ^2/NDF:8911.9/16

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 24.997+/-0.005 χ^2/NDF:16143.1/16

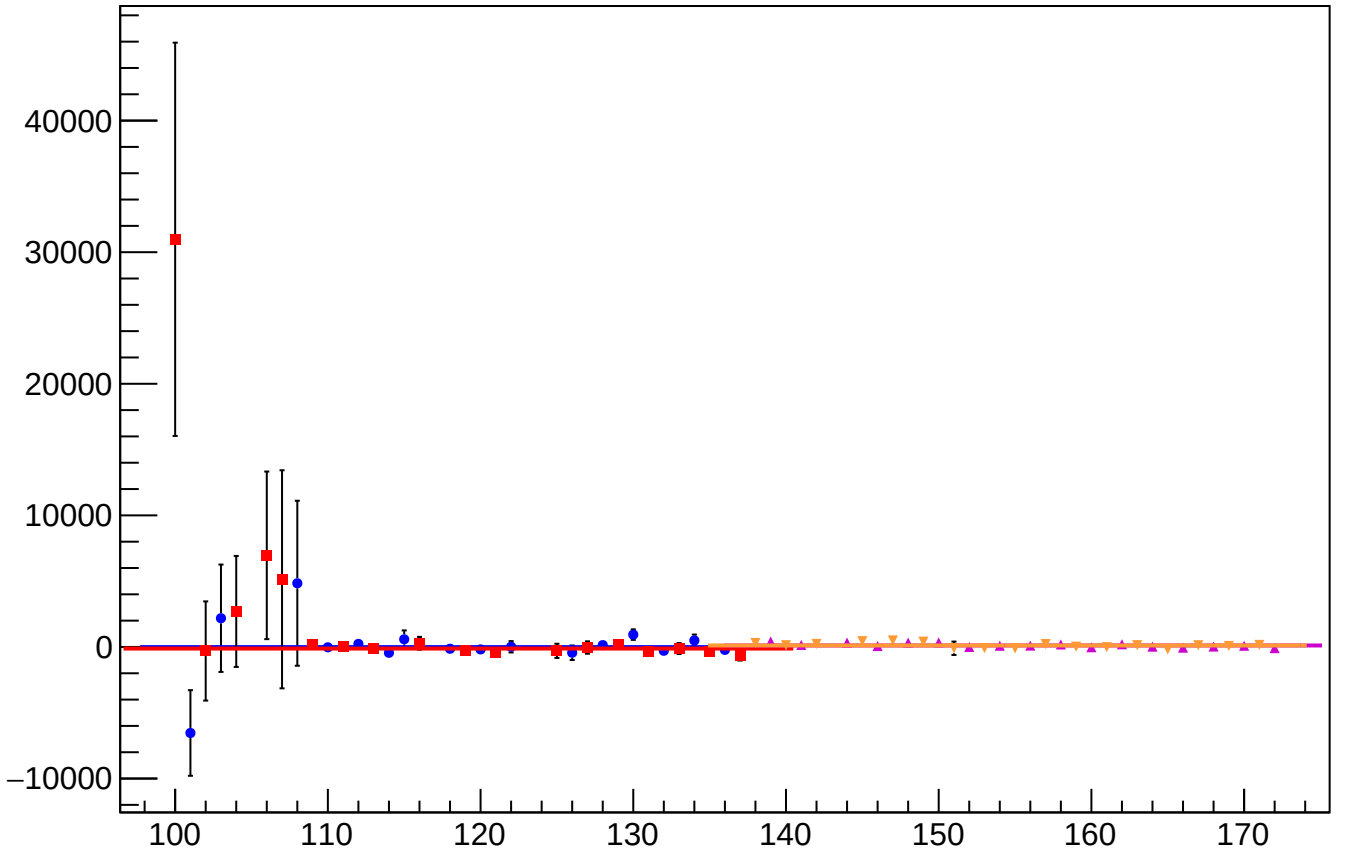
Left: 25.066+/-0.003 χ^2/NDF: 25490.2/33

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.111+/-0.004 χ^2/NDF:32187.5/32

Out: 25.170+/-0.004 χ^2/NDF:24209.4/34

All: 25.140+/-0.003 χ^2/NDF: 56514.1/67



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 114.946+/-60.705 χ^2/NDF:7.8/16

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: 113.867+/-39.375 χ^2/NDF: 14.3/33

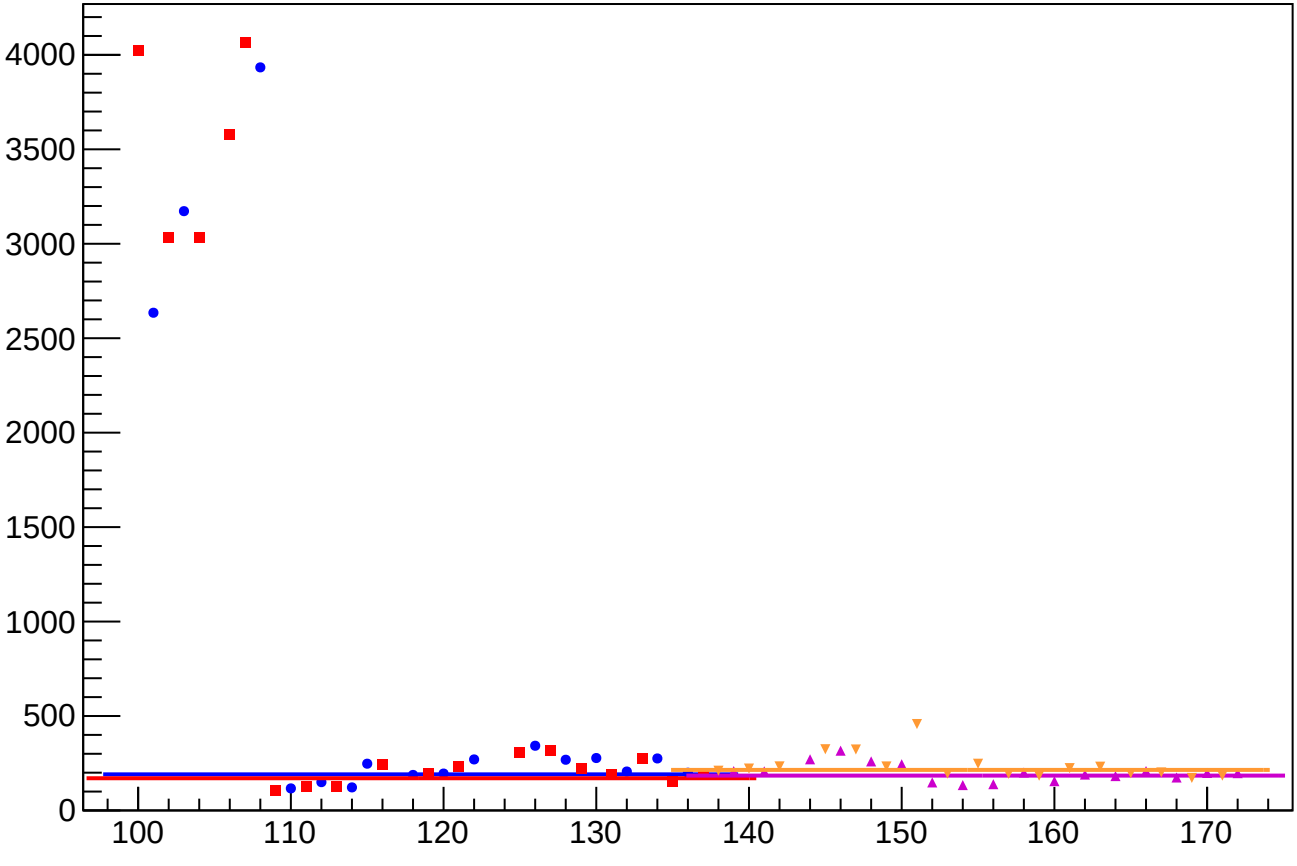
Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 78.637+/-44.115 χ^2/NDF:26.4/32

Out: 26.676+/-47.963 χ^2/NDF:27.8/34

All: 54.824+/-32.469 χ^2/NDF: 54.9/67

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 214.641+/-0.043 χ^2/NDF:1116461.4/16

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 184.518+/-0.037 χ^2/NDF:1336982.3/16

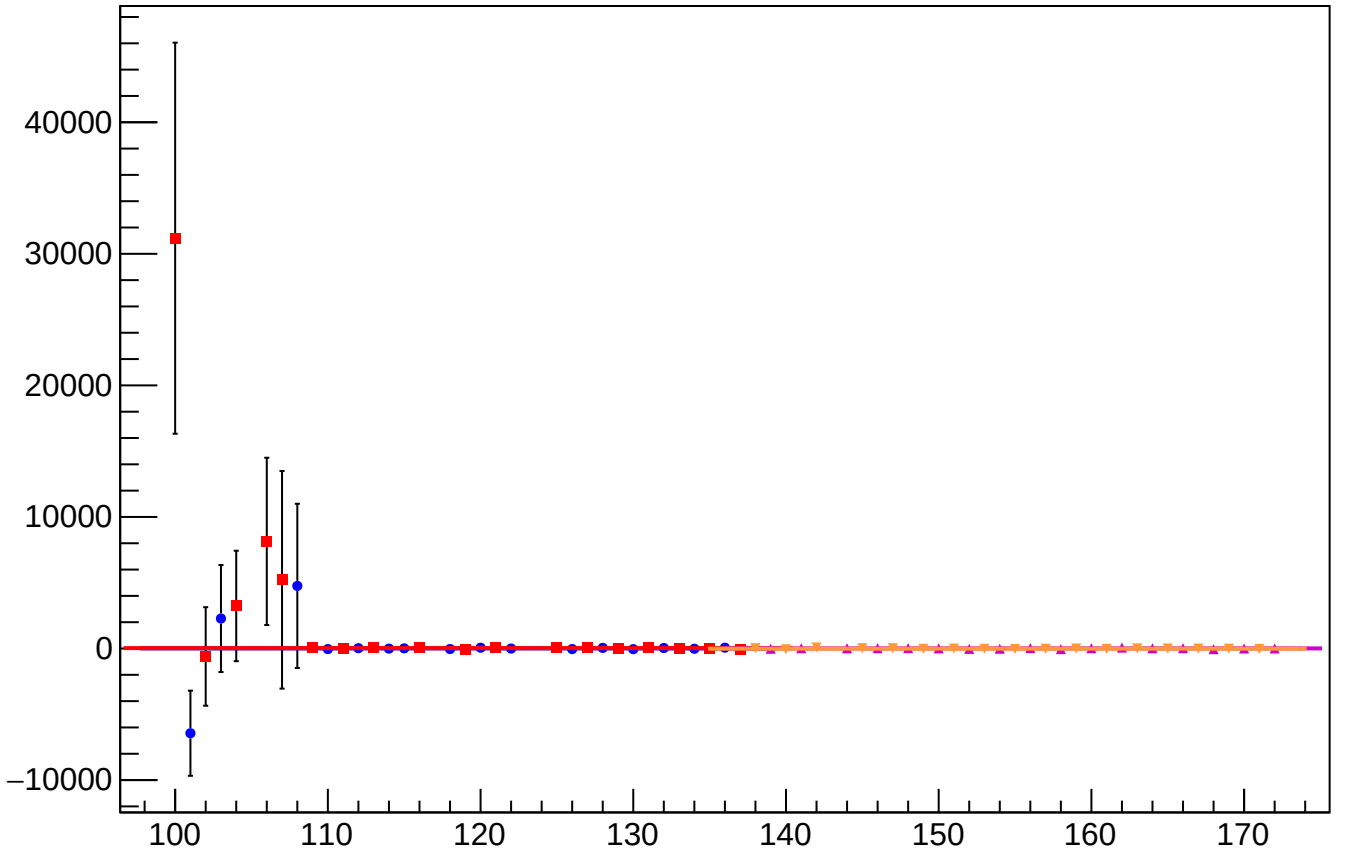
Left: 197.192+/-0.028 χ^2/NDF: 2738724.2/33

Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 186.306+/-0.031 χ^2/NDF:5179687.0/32

Out: 198.054+/-0.034 χ^2/NDF:5768728.2/34

All: 191.690+/-0.023 χ^2/NDF: 11013414.0/67



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -9.209+/-7.869 χ^2/NDF:11.5/16

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: -0.288+/-5.517 χ^2/NDF: 30.1/33

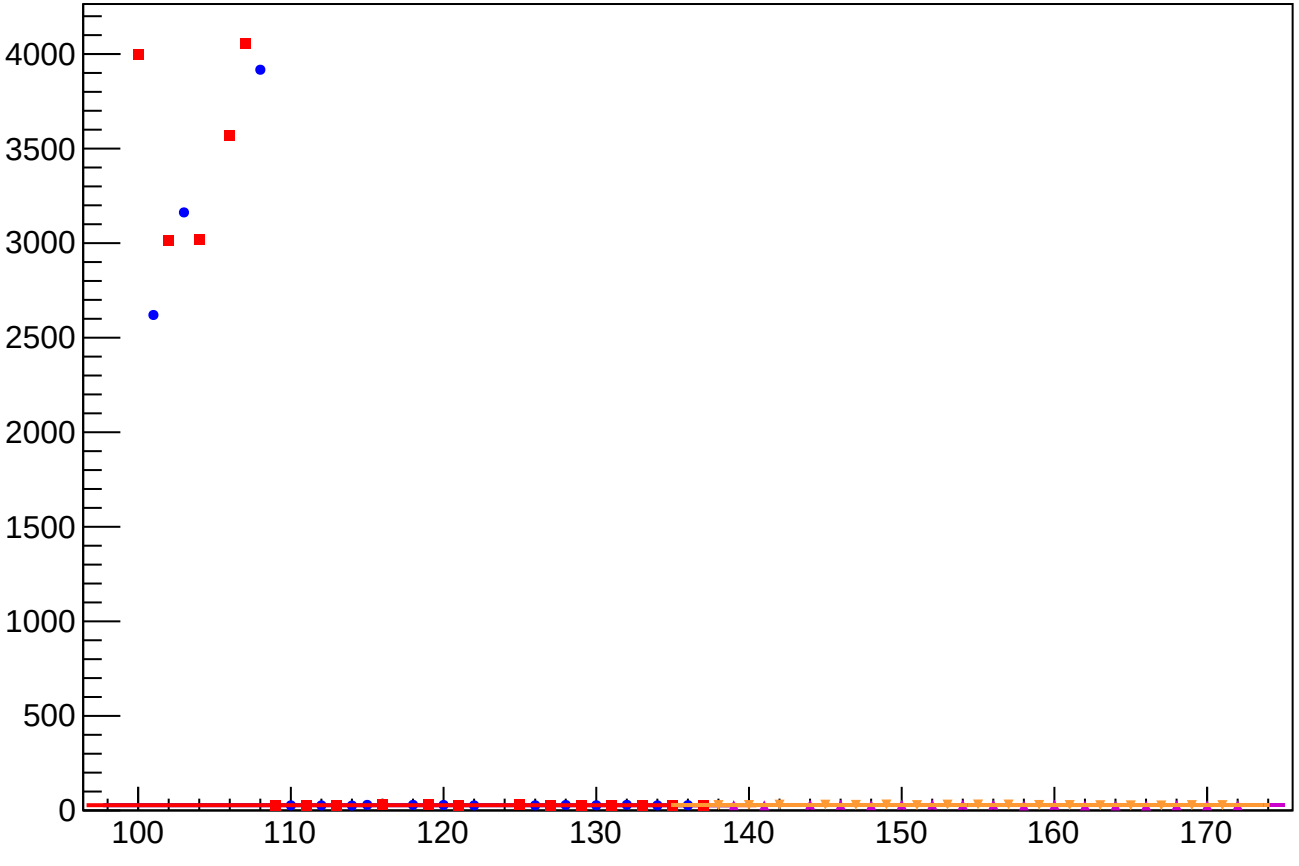
Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 7.779+/-6.464 χ^2/NDF:34.3/32

Out: 2.687+/-6.594 χ^2/NDF:39.1/34

All: 5.284+/-4.616 χ^2/NDF: 73.7/67

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.767+/-0.006 χ^2/NDF:72667.6/16

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 28.873+/-0.005 χ^2/NDF:111811.9/16

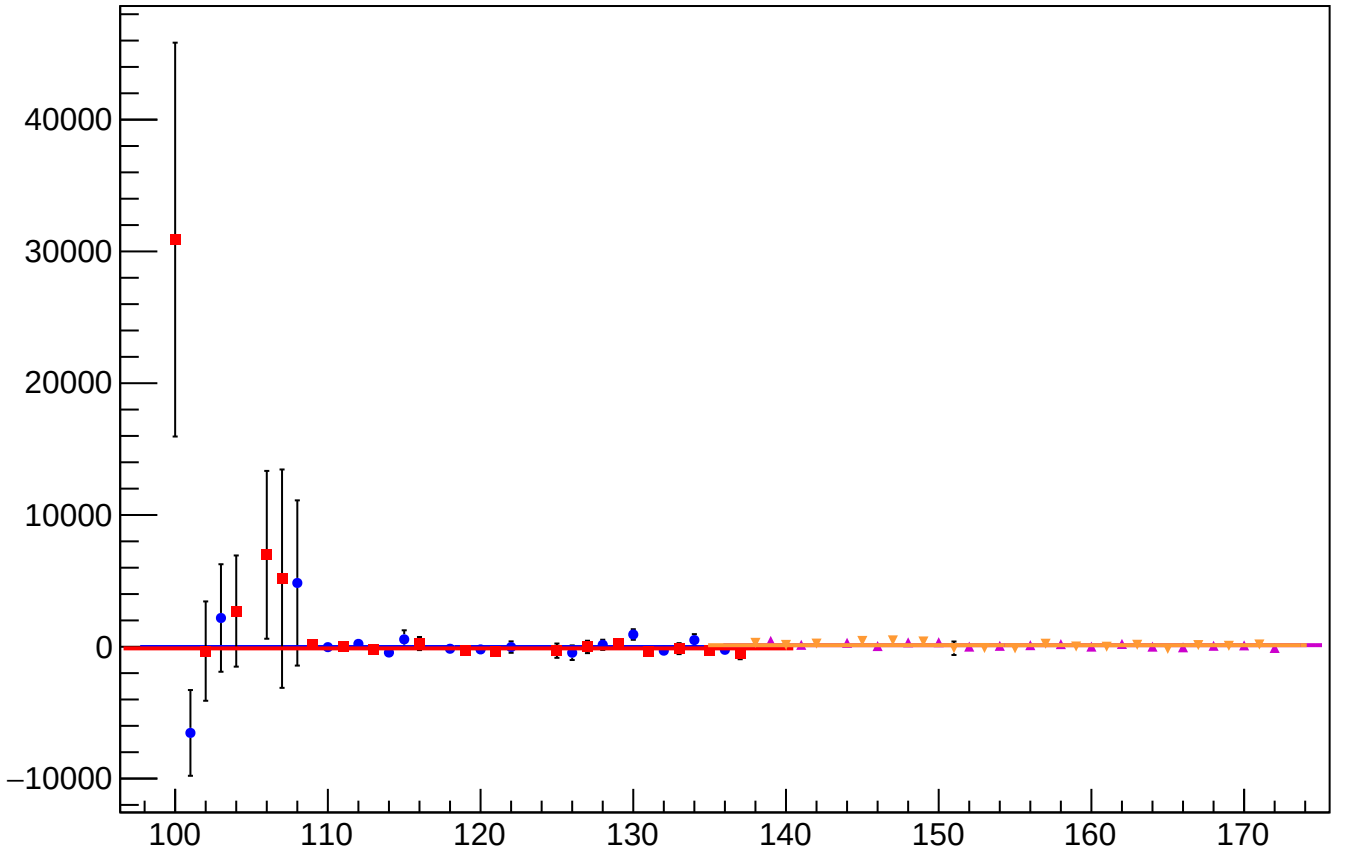
Left: 28.821+/-0.004 χ^2/NDF: 184664.9/33

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.557+/-0.005 χ^2/NDF:3388798.4/32

Out: 28.473+/-0.005 χ^2/NDF:3640472.7/34

All: 28.516+/-0.003 χ^2/NDF: 7029437.1/67



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 119.954+/-61.207 χ^2/NDF:7.6/16

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: 121.207+/-39.729 χ^2/NDF: 13.9/33

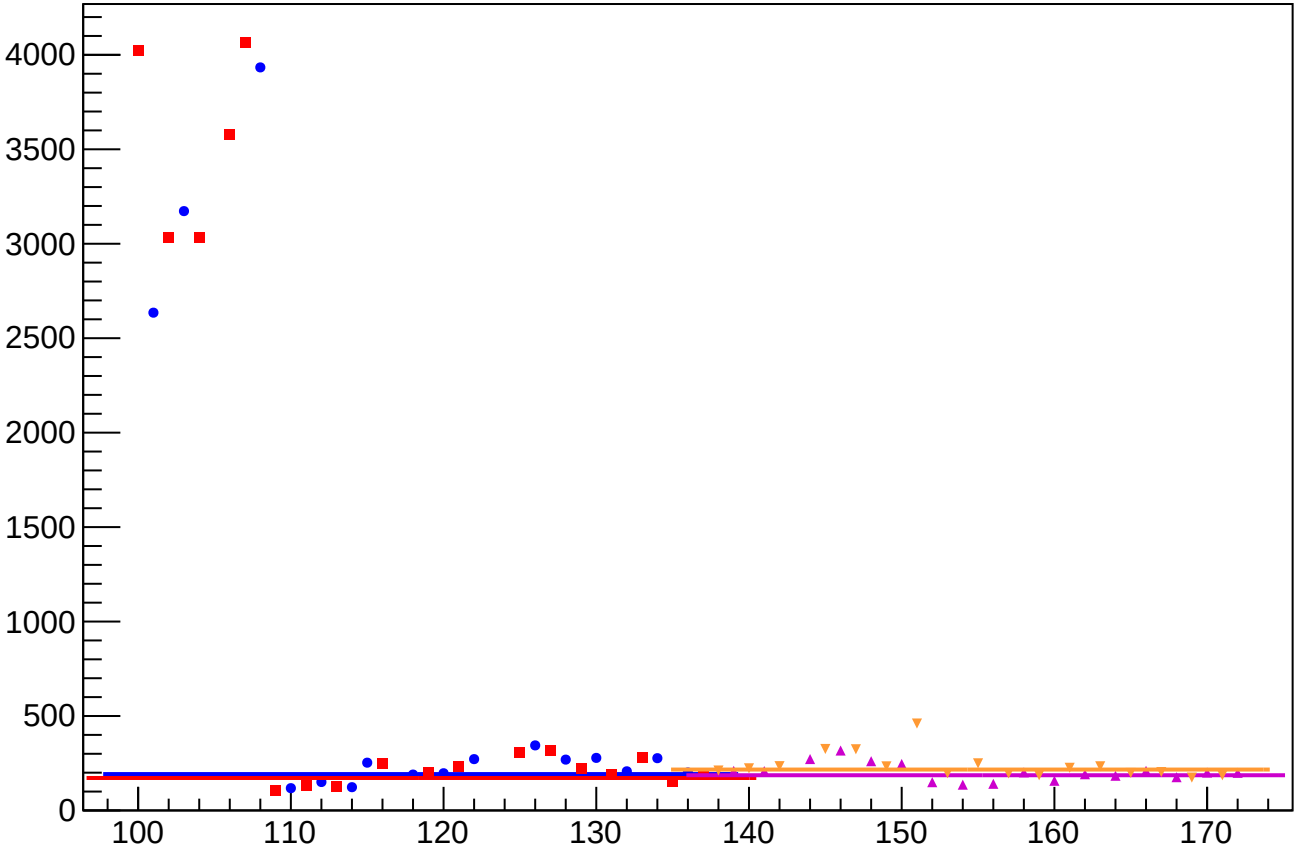
Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 83.344+/-44.506 χ^2/NDF:26.5/32

Out: 29.143+/-48.348 χ^2/NDF:26.7/34

All: 58.482+/-32.745 χ^2/NDF: 53.8/67

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: 216.526+/-0.043 χ^2/NDF:1098420.6/16

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 186.435+/-0.037 χ^2/NDF:1296777.3/16

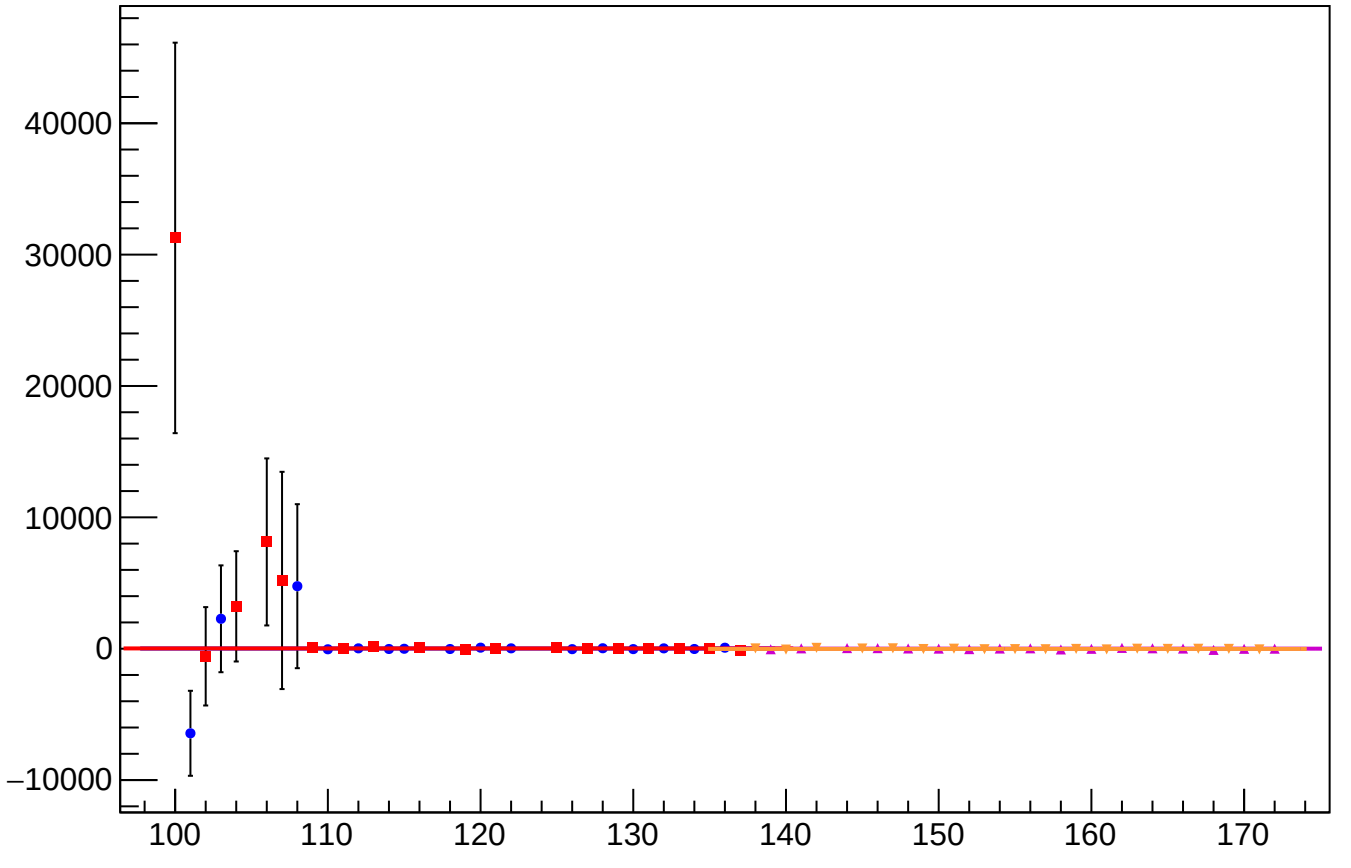
Left: 199.113+/-0.028 χ^2/NDF: 2674943.5/33

Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 188.111+/-0.031 χ^2/NDF:5127098.6/32

Out: 199.745+/-0.034 χ^2/NDF:5746037.0/34

All: 193.448+/-0.023 χ^2/NDF: 10935813.3/67



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -16.525+/-8.494 χ^2/NDF:12.7/16

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 2.838+/-8.348 χ^2/NDF:22.5/16

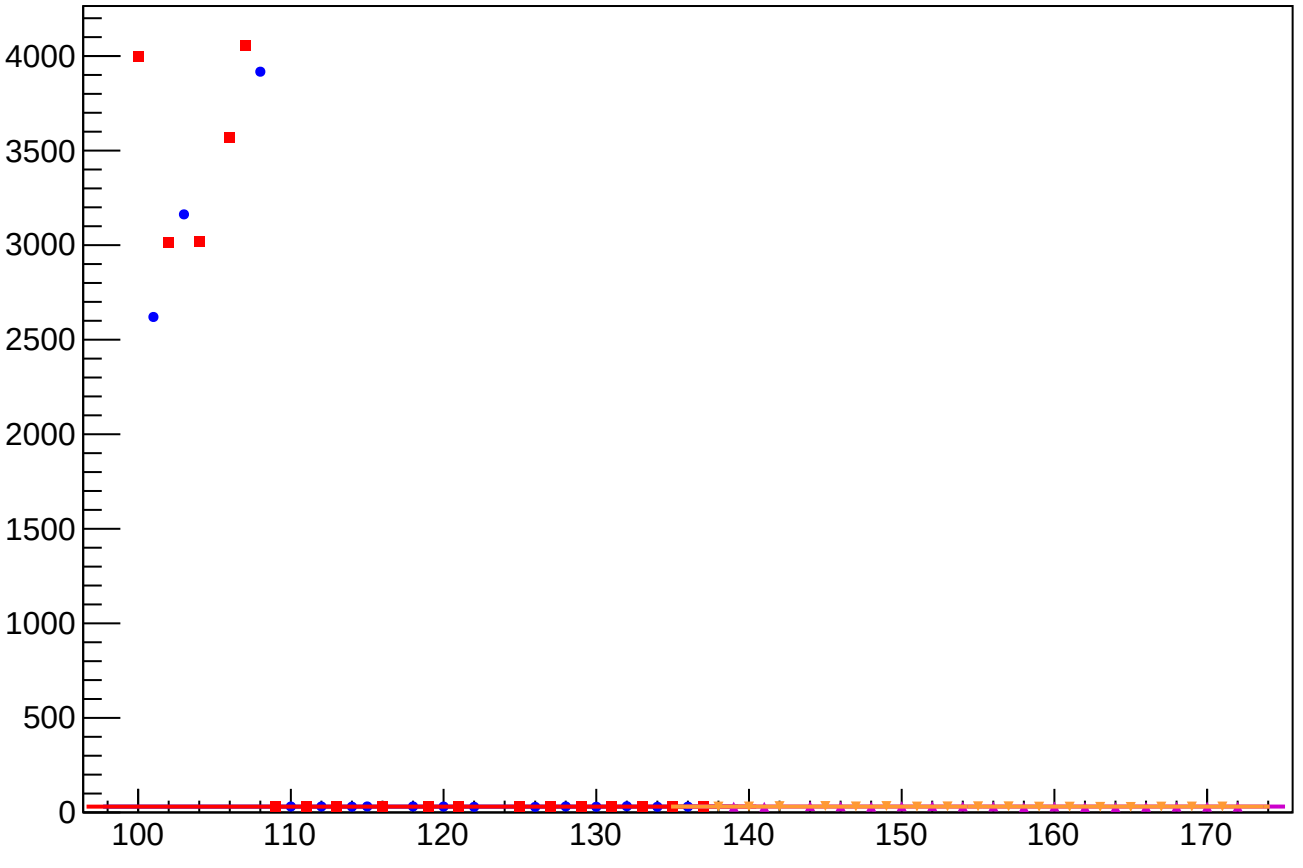
Left: -6.676+/-5.954 χ^2/NDF: 37.9/33

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 5.992+/-7.034 χ^2/NDF:38.5/32

Out: -5.489+/-7.172 χ^2/NDF:47.0/34

All: 0.363+/-5.022 χ^2/NDF: 86.8/67



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.077+/-0.006 χ^2/NDF:41835.6/16

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 31.176+/-0.006 χ^2/NDF:77174.6/16

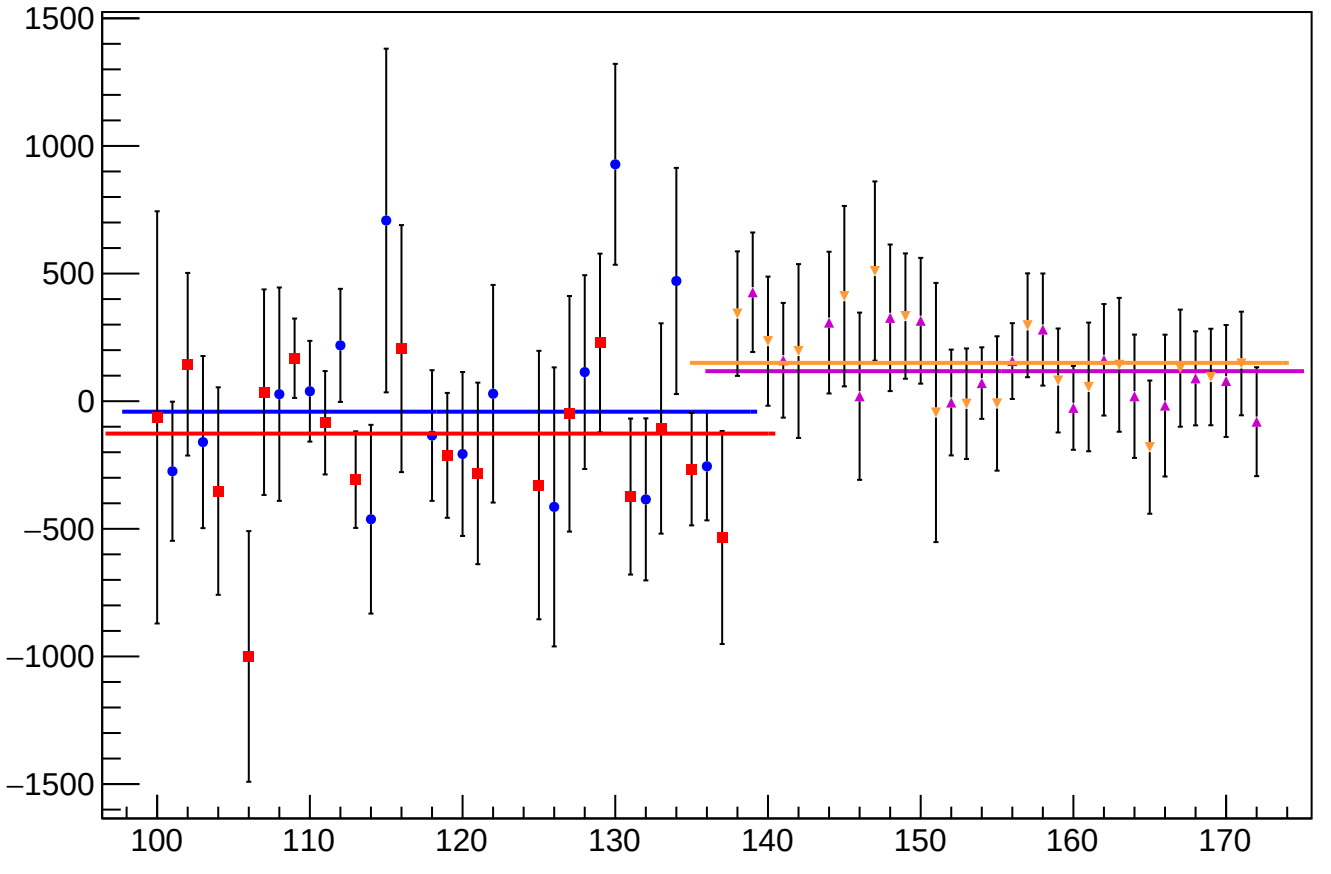
Left: 31.127+/-0.004 χ^2/NDF: 119148.3/33

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.104+/-0.005 χ^2/NDF:3330291.7/32

Out: 30.998+/-0.005 χ^2/NDF:3578387.4/34

All: 31.052+/-0.004 χ^2/NDF: 6908899.9/67



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 150.191+/-59.988 χ^2/NDF:6.4/16

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 117.586+/-50.667 χ^2/NDF:6.7/16

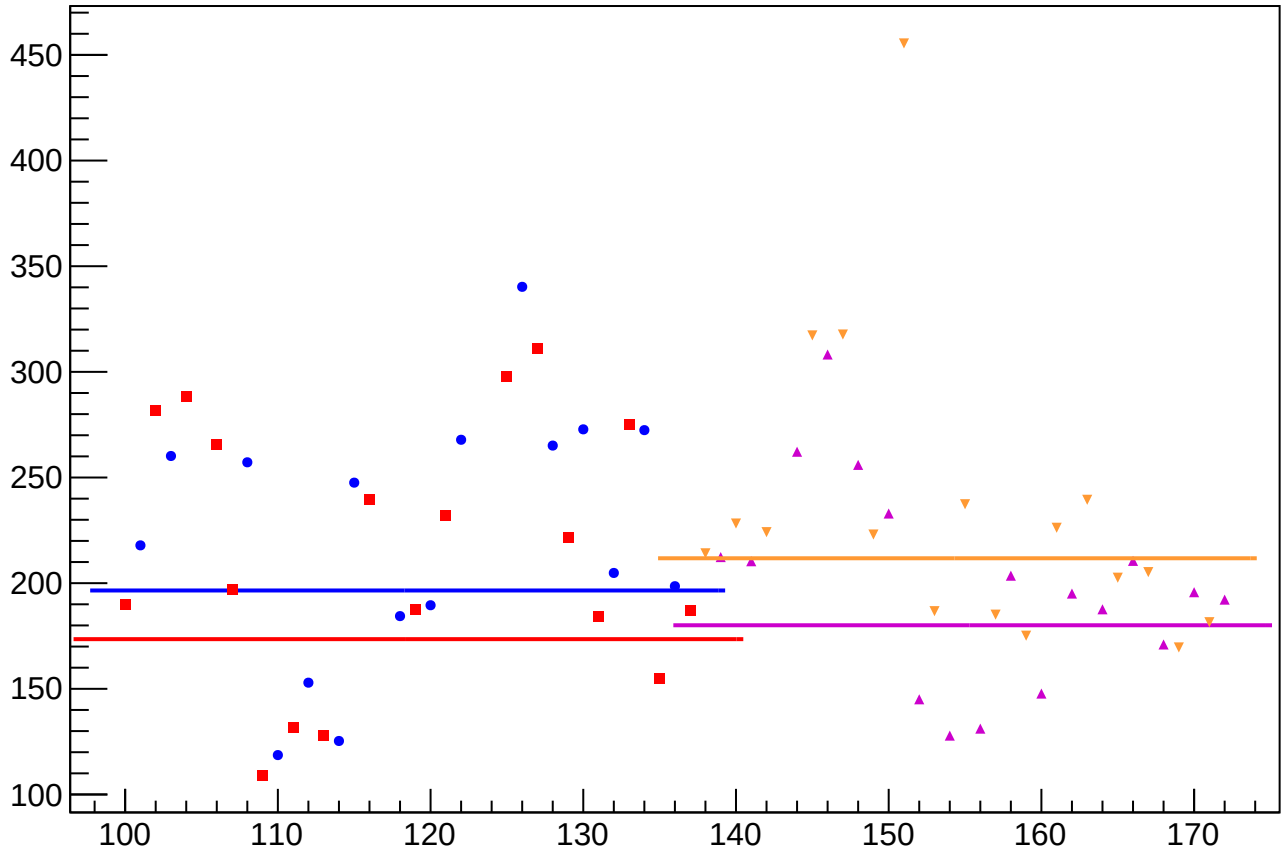
Left: 131.161+/-38.708 χ^2/NDF: 13.3/33

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 69.754+/-42.349 χ^2/NDF:25.3/32

Out: 31.663+/-45.379 χ^2/NDF:28.3/34

All: 52.022+/-30.961 χ^2/NDF: 54.0/67



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 211.784+/-0.042 χ^2/NDF:1157911.3/16

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 180.081+/-0.036 χ^2/NDF:1496387.2/16

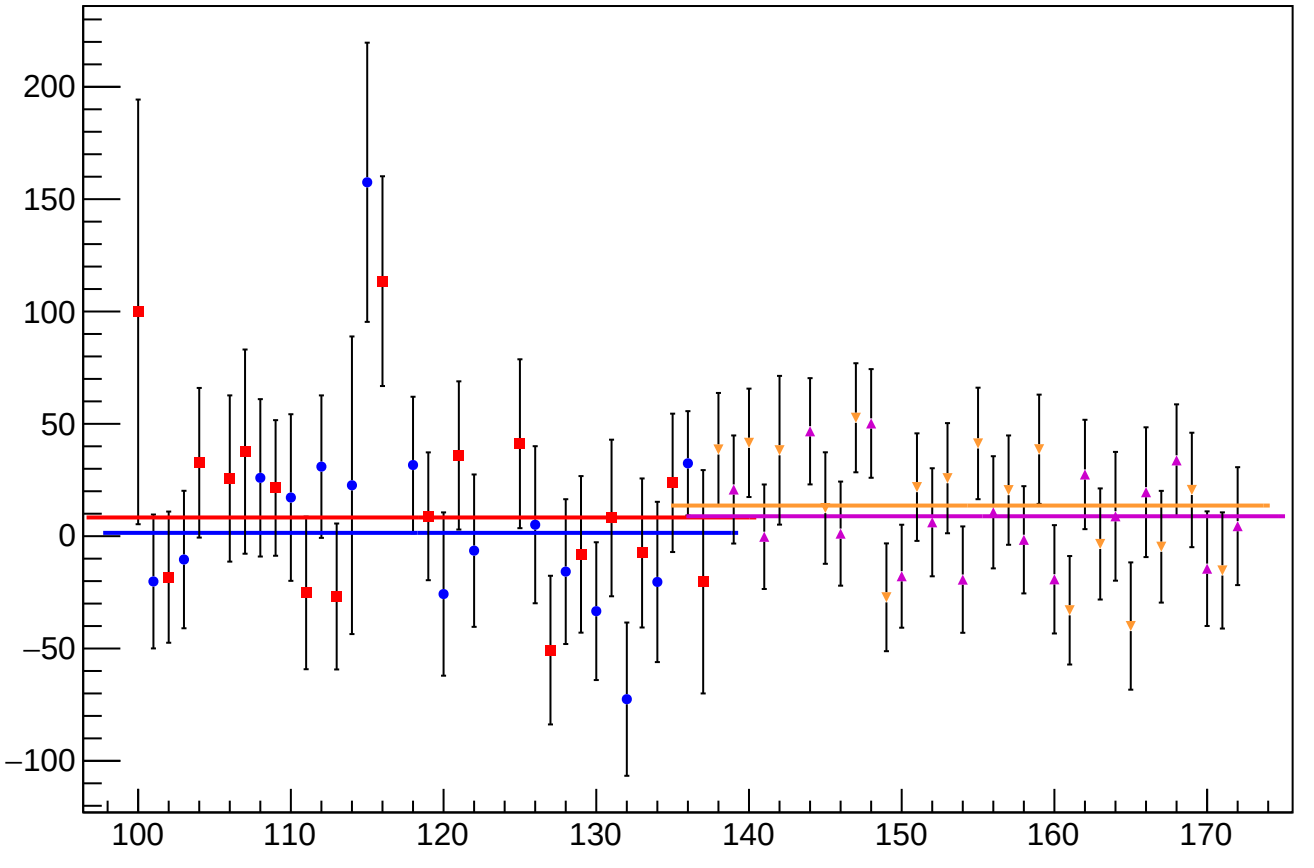
Left: 193.281+/-0.027 χ^2/NDF: 2980319.5/33

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 185.042+/-0.030 χ^2/NDF:2560782.8/32

Out: 195.411+/-0.032 χ^2/NDF:3038915.6/34

All: 189.869+/-0.022 χ^2/NDF: 5655513.2/67



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 13.630+/-6.093 χ^2/NDF:20.8/16

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: 11.197+/-4.261 χ^2/NDF: 34.0/33

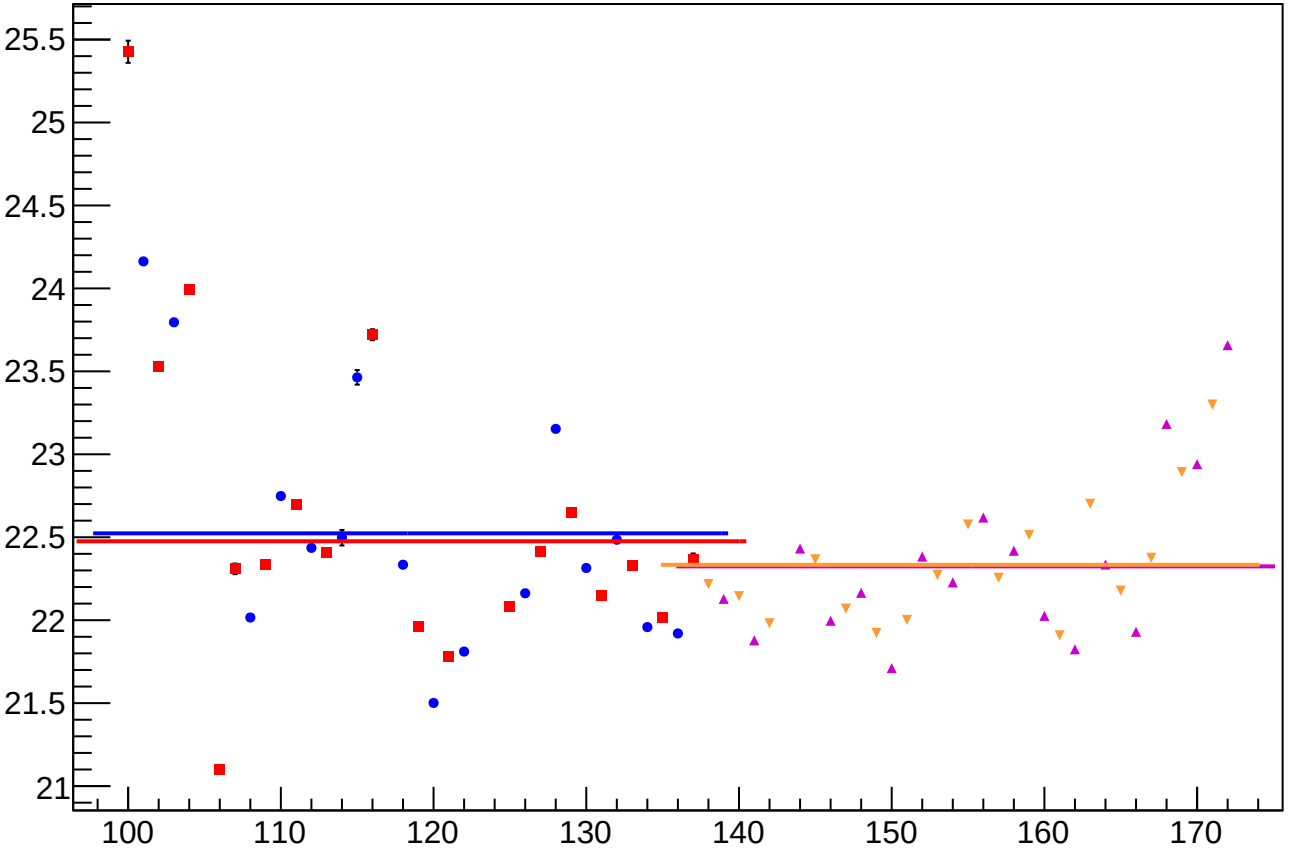
Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 6.380+/-4.856 χ^2/NDF:32.1/32

Out: 11.770+/-4.909 χ^2/NDF:37.1/34

All: 9.045+/-3.452 χ^2/NDF: 69.8/67

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: 22.334+/-0.004 χ^2/NDF:6820.8/16

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.324+/-0.004 χ^2/NDF:13409.0/16

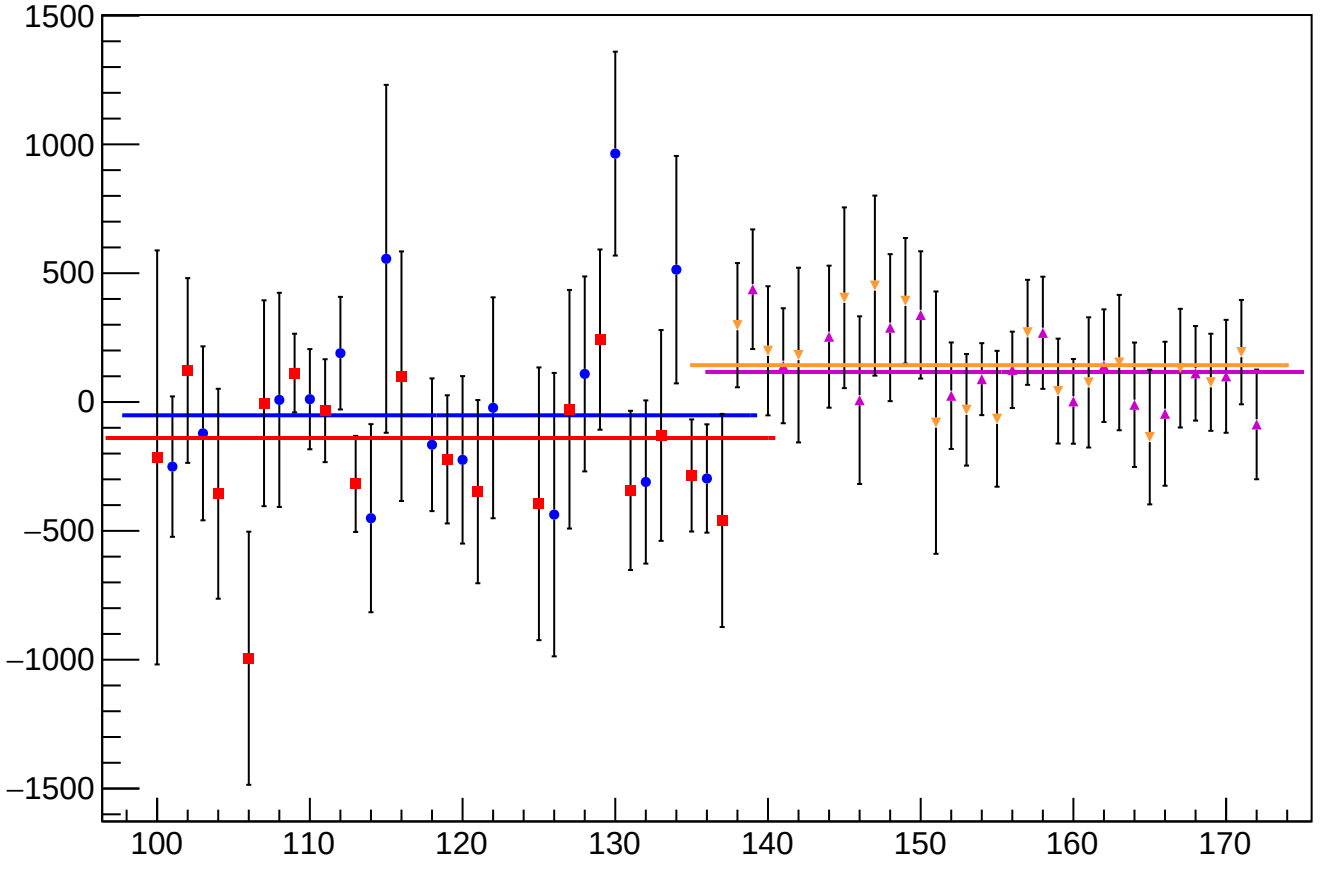
Left: 22.329+/-0.003 χ^2/NDF: 20232.3/33

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.391+/-0.003 χ^2/NDF:30108.3/32

Out: 22.384+/-0.003 χ^2/NDF:22737.5/34

All: 22.388+/-0.002 χ^2/NDF: 52848.4/67



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 143.083+/-59.873 χ^2/NDF:6.4/16

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: 127.644+/-38.613 χ^2/NDF: 12.7/33

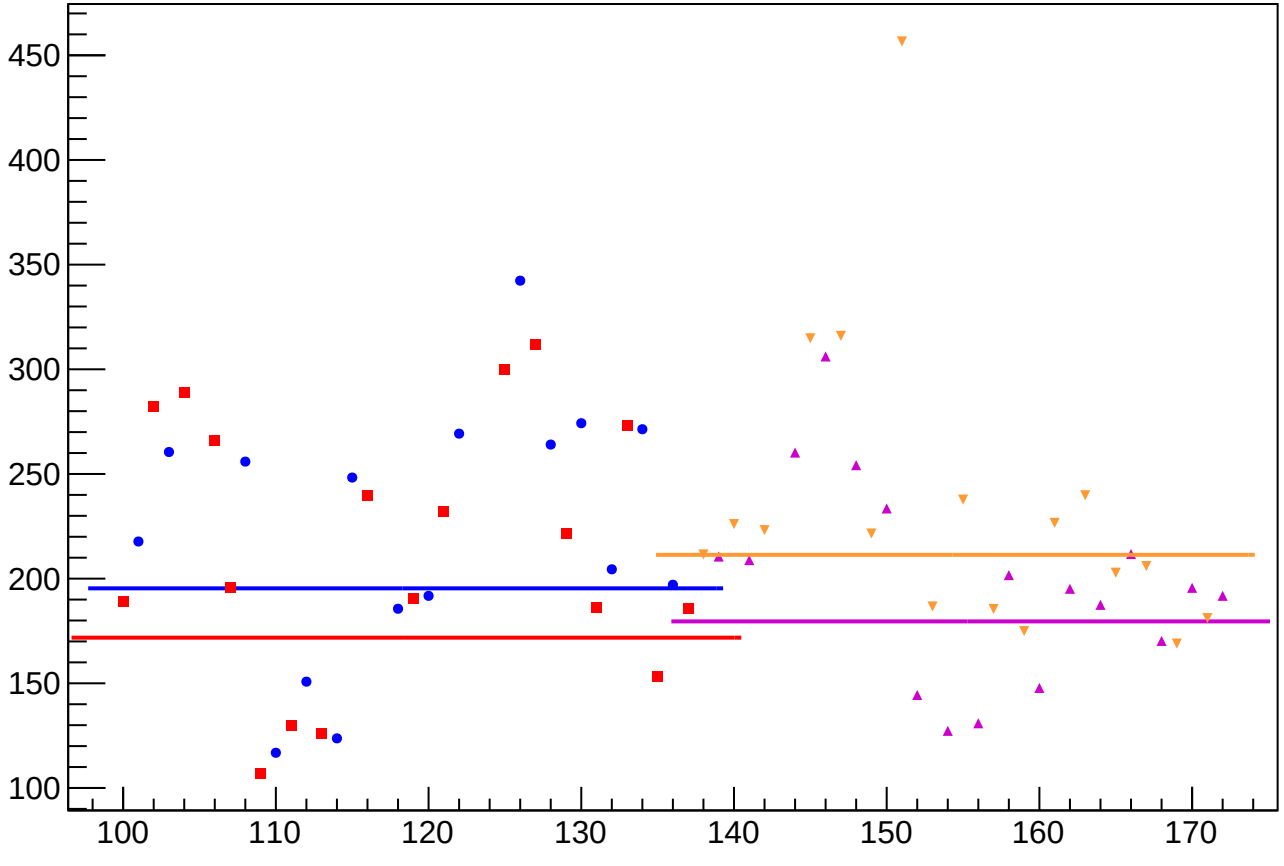
Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 65.858+/-42.209 χ^2/NDF:24.9/32

Out: 21.462+/-45.190 χ^2/NDF:27.5/34

All: 45.172+/-30.846 χ^2/NDF: 52.9/67

asym_bcm_dg_ds_an_us_avg_rms vs Slug, Sign Corrected



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 211.374+/-0.042 χ^2/NDF:1152283.5/16

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 179.568+/-0.036 χ^2/NDF:1486804.9/16

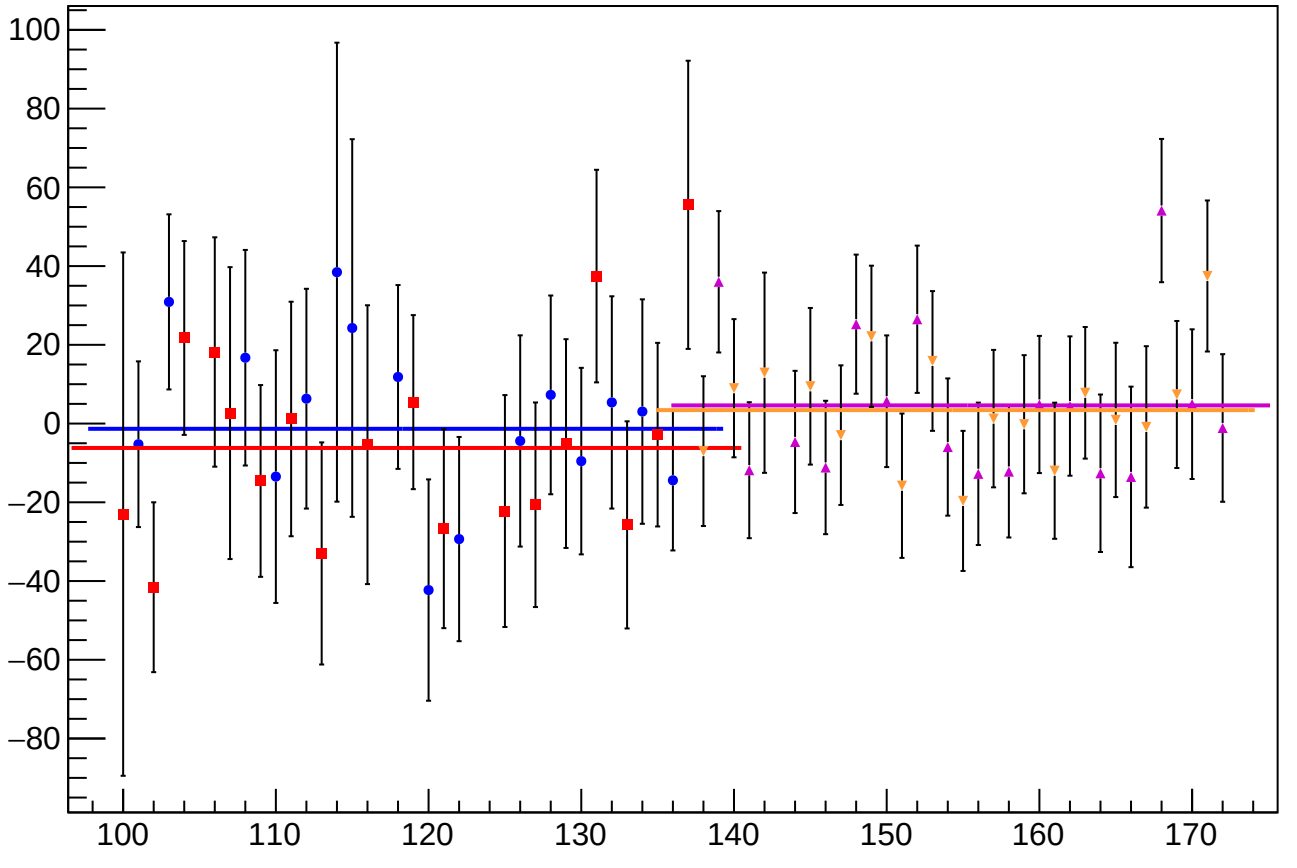
Left: 192.797+/-0.027 χ^2/NDF: 2968746.7/33

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 184.339+/-0.030 χ^2/NDF:2587264.2/32

Out: 194.347+/-0.032 χ^2/NDF:3128862.4/34

All: 189.002+/-0.022 χ^2/NDF: 5768514.3/67



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 3.412+/-4.486 χ^2/NDF:9.3/16

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 4.610+/-4.382 χ^2/NDF:19.0/16

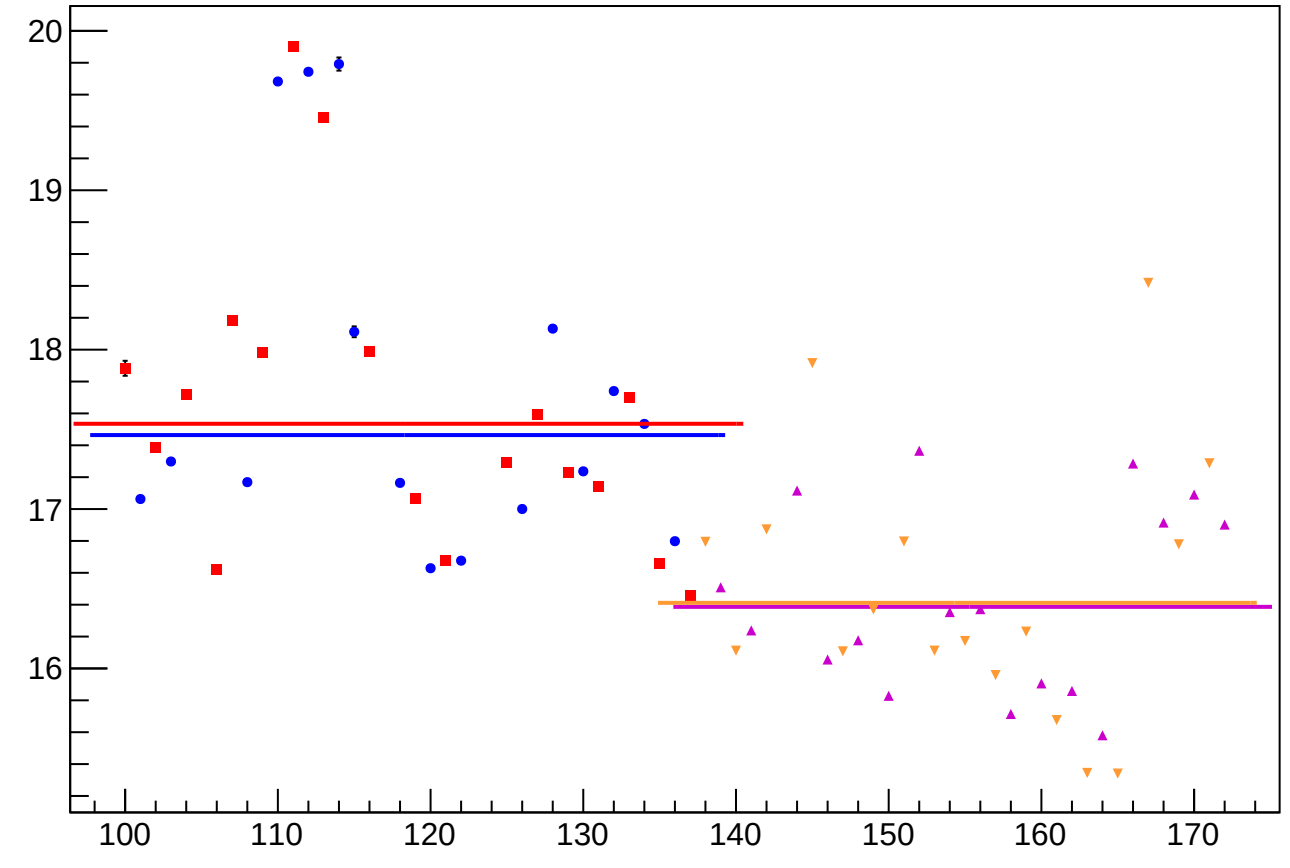
Left: 4.025+/-3.134 χ^2/NDF: 28.3/33

Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 2.753+/-3.633 χ^2/NDF:27.6/32

Out: 0.295+/-3.687 χ^2/NDF:24.2/34

All: 1.542+/-2.588 χ^2/NDF: 52.1/67



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.412+/-0.003 χ^2/NDF:59312.2/16

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.386+/-0.003 χ^2/NDF:31055.8/16

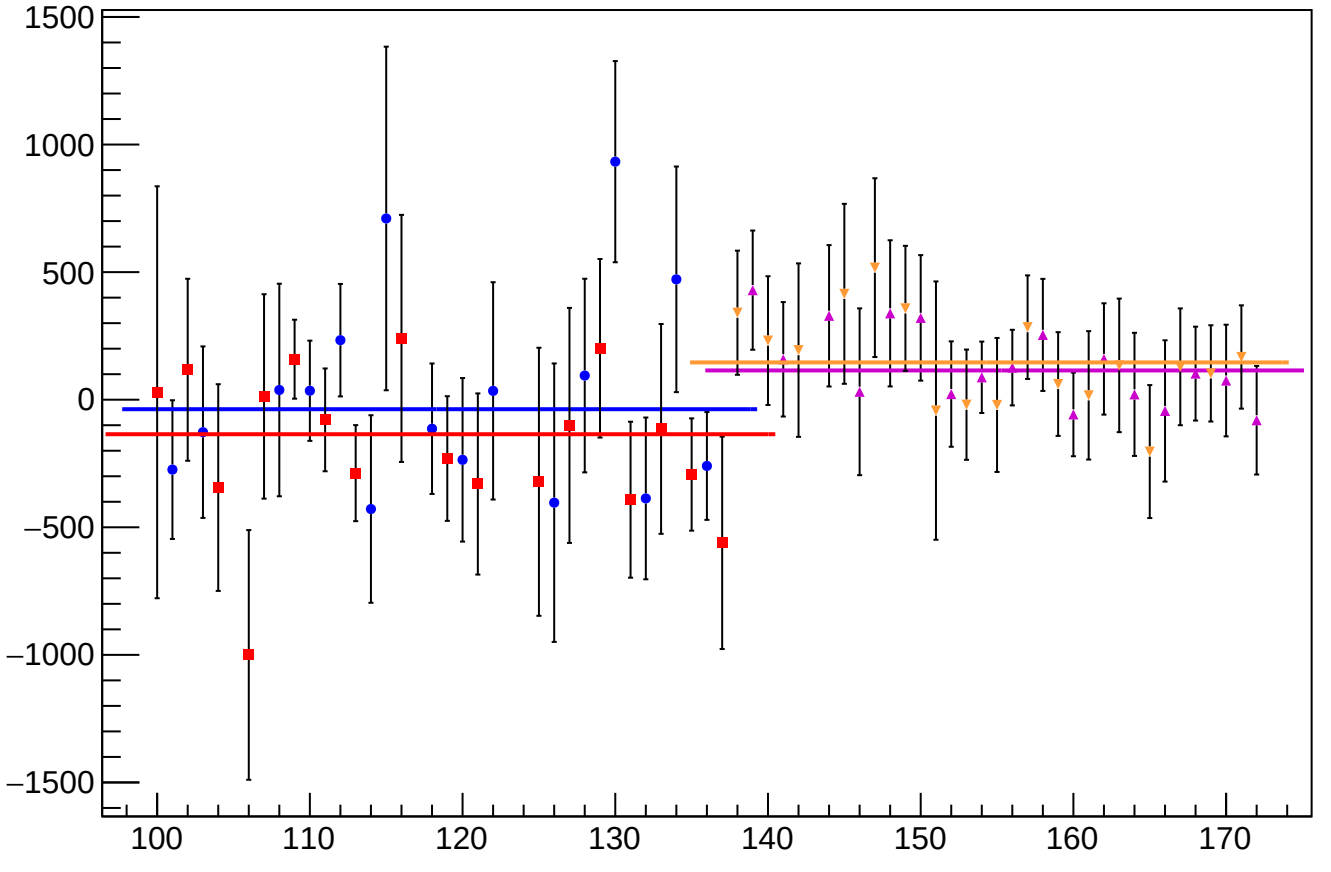
Left: 16.399+/-0.002 χ^2/NDF: 90400.1/33

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.723+/-0.003 χ^2/NDF:105520.2/32

Out: 16.776+/-0.003 χ^2/NDF:134491.0/34

All: 16.749+/-0.002 χ^2/NDF: 240219.0/67



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 146.120+/-59.856 χ^2/NDF:7.1/16

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: 127.766+/-38.628 χ^2/NDF: 14.3/33

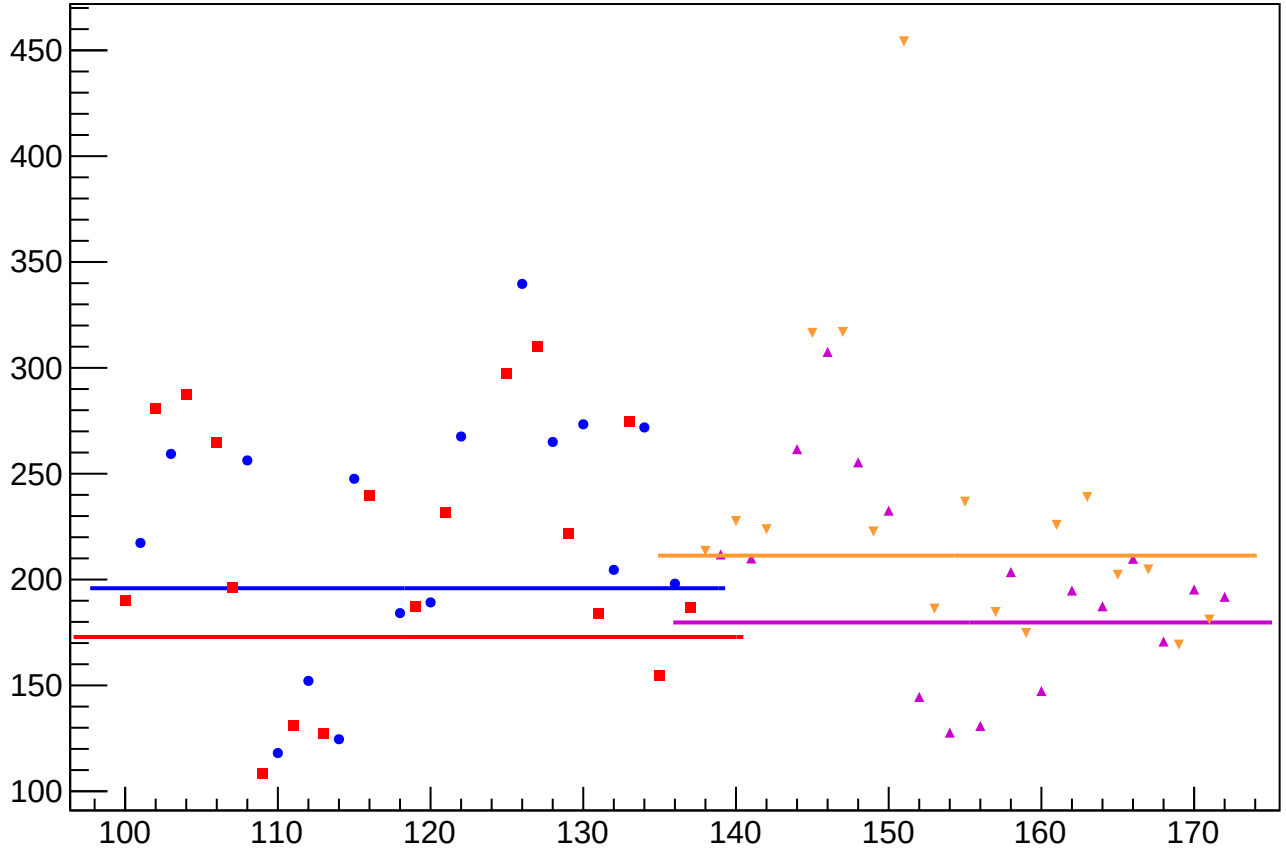
Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 68.820+/-42.254 χ^2/NDF:25.3/32

Out: 25.604+/-45.258 χ^2/NDF:29.4/34

All: 48.694+/-30.886 χ^2/NDF: 55.2/67

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: 211.321+/-0.042 χ^2/NDF:1157571.1/16

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 179.733+/-0.036 χ^2/NDF:1496361.7/16

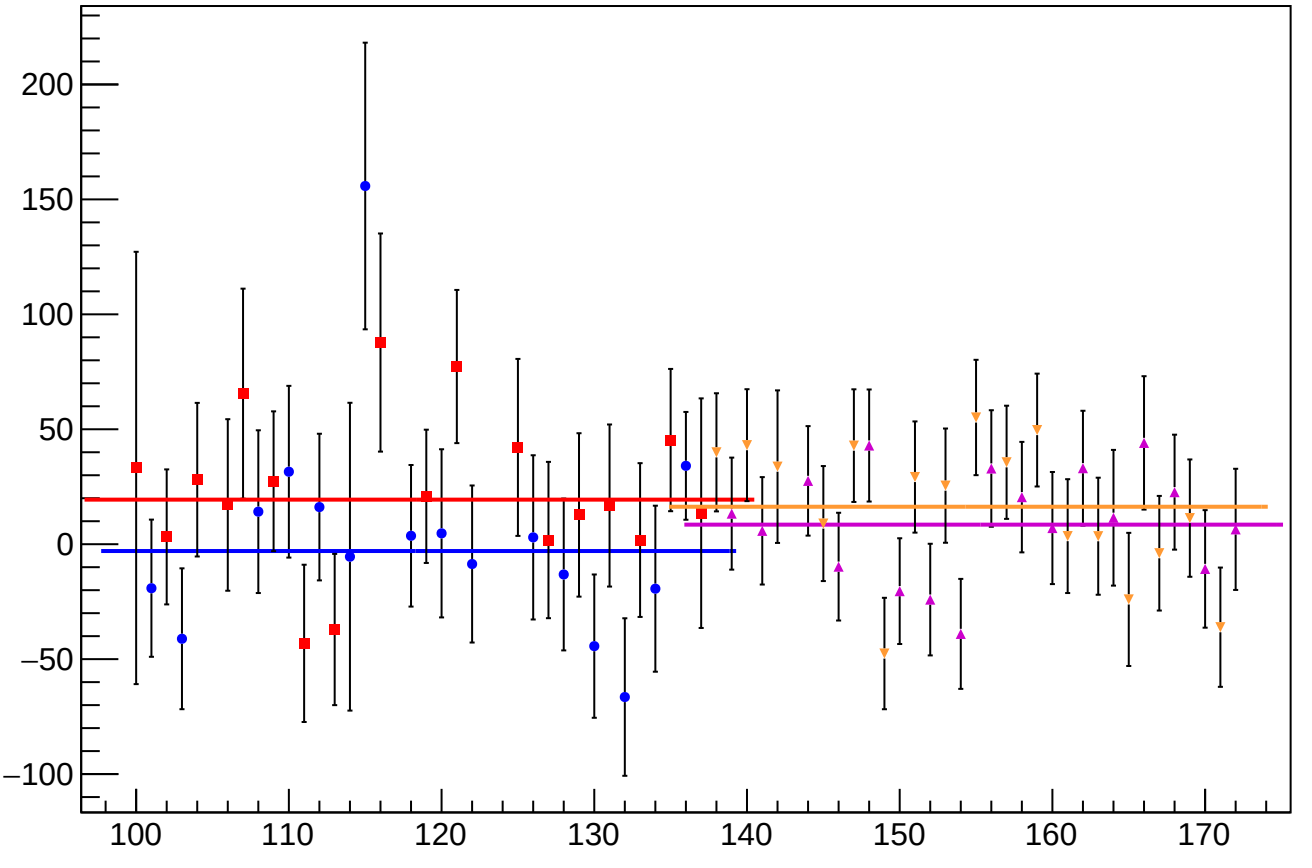
Left: 192.889+/-0.027 χ^2/NDF: 2978961.8/33

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 184.612+/-0.030 χ^2/NDF:2569069.1/32

Out: 194.855+/-0.032 χ^2/NDF:3054246.5/34

All: 189.382+/-0.022 χ^2/NDF: 5678047.6/67



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 16.299+/-6.166 χ^2/NDF:23.1/16

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: 12.310+/-4.308 χ^2/NDF: 39.1/33

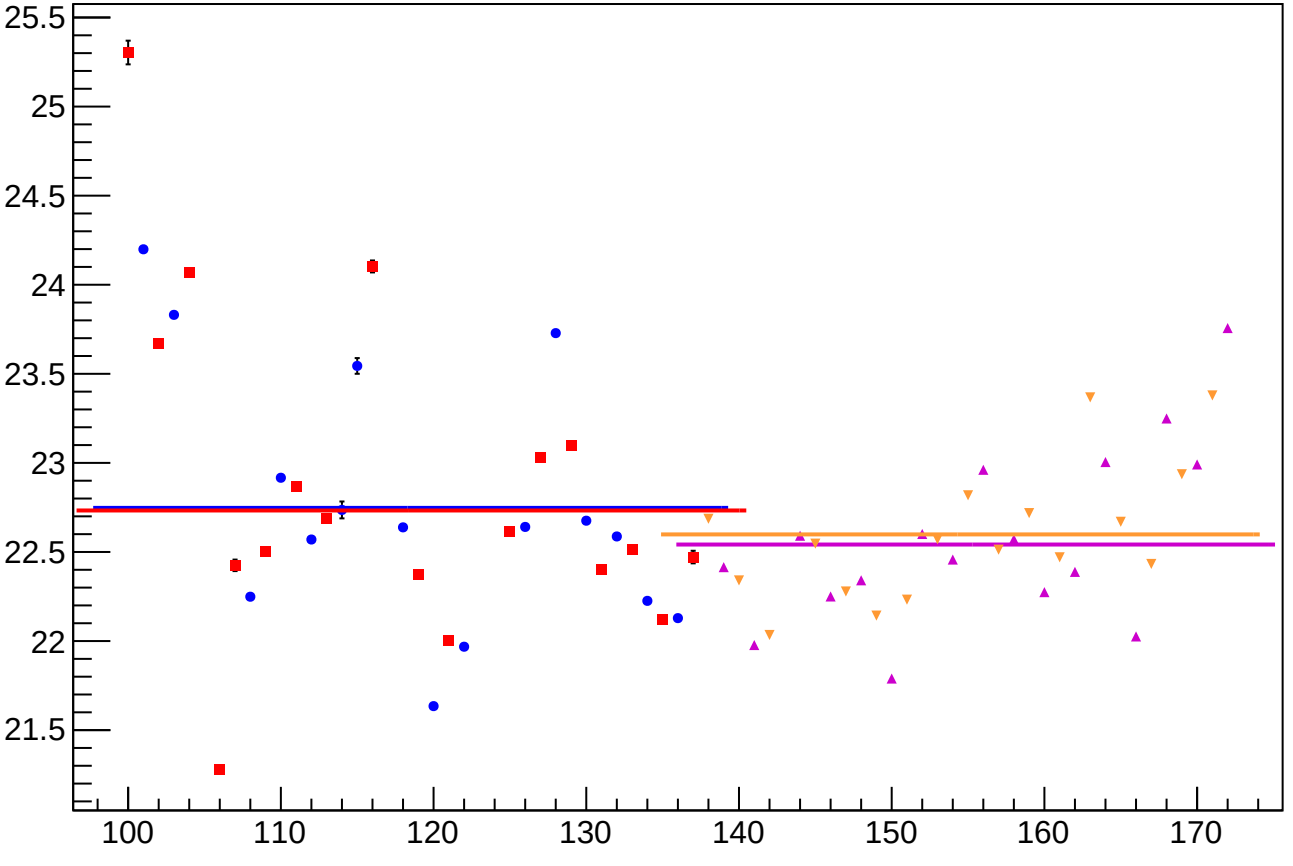
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 4.647+/-4.904 χ^2/NDF:34.3/32

Out: 17.383+/-4.967 χ^2/NDF:37.7/34

All: 10.934+/-3.490 χ^2/NDF: 75.3/67

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: 22.599+/-0.004 χ^2/NDF:6709.2/16

Right Out: 22.733+/-0.006 χ^2/NDF: 14389.6/17

Left In: 22.542+/-0.004 χ^2/NDF:12311.8/16

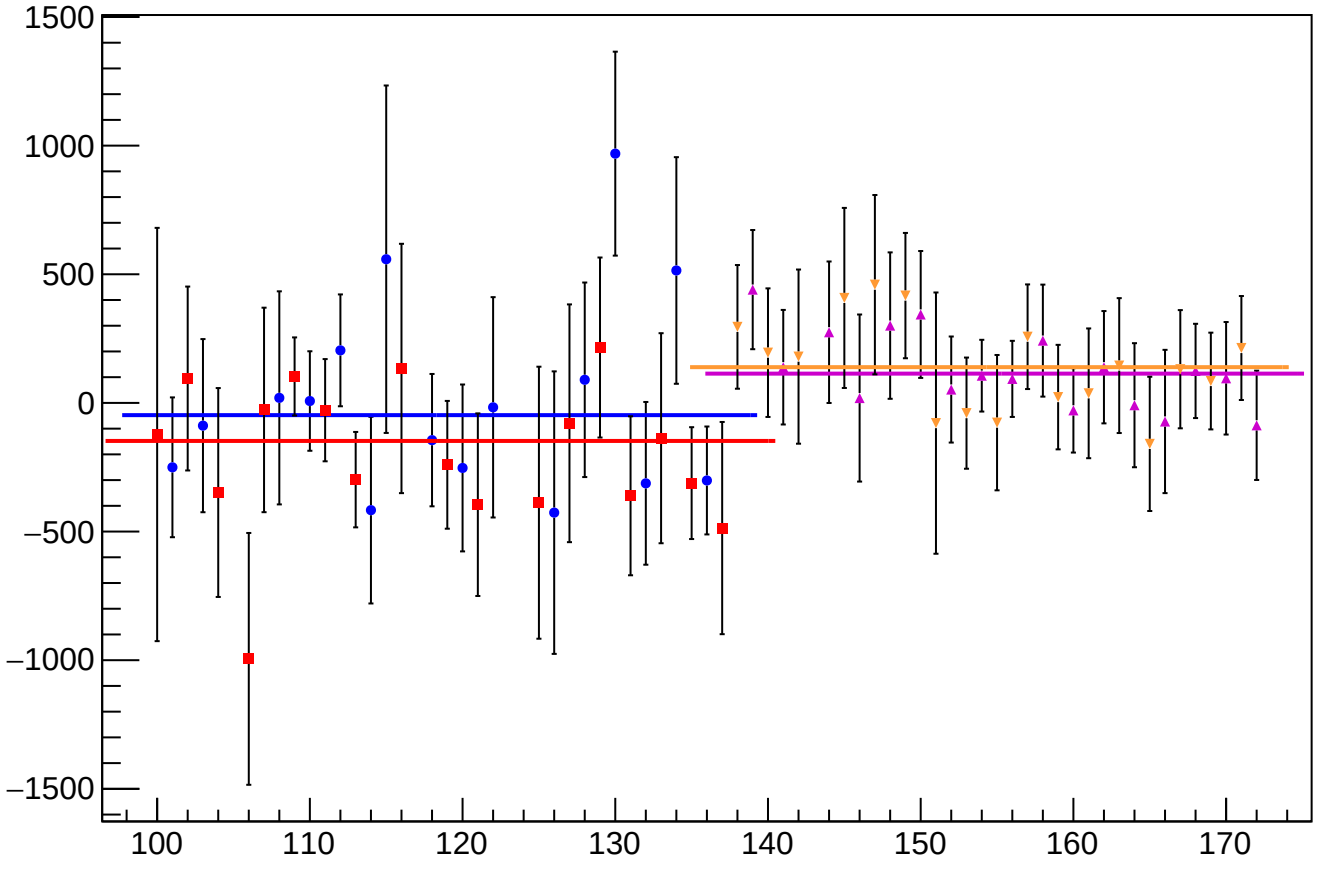
Left: 22.569+/-0.003 χ^2/NDF: 19108.0/33

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.611+/-0.003 χ^2/NDF:27720.3/32

Out: 22.646+/-0.004 χ^2/NDF:21432.2/34

All: 22.628+/-0.002 χ^2/NDF: 49202.2/67



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 138.958+/-59.741 χ^2/NDF:7.1/16

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 113.826+/-50.427 χ^2/NDF:6.6/16

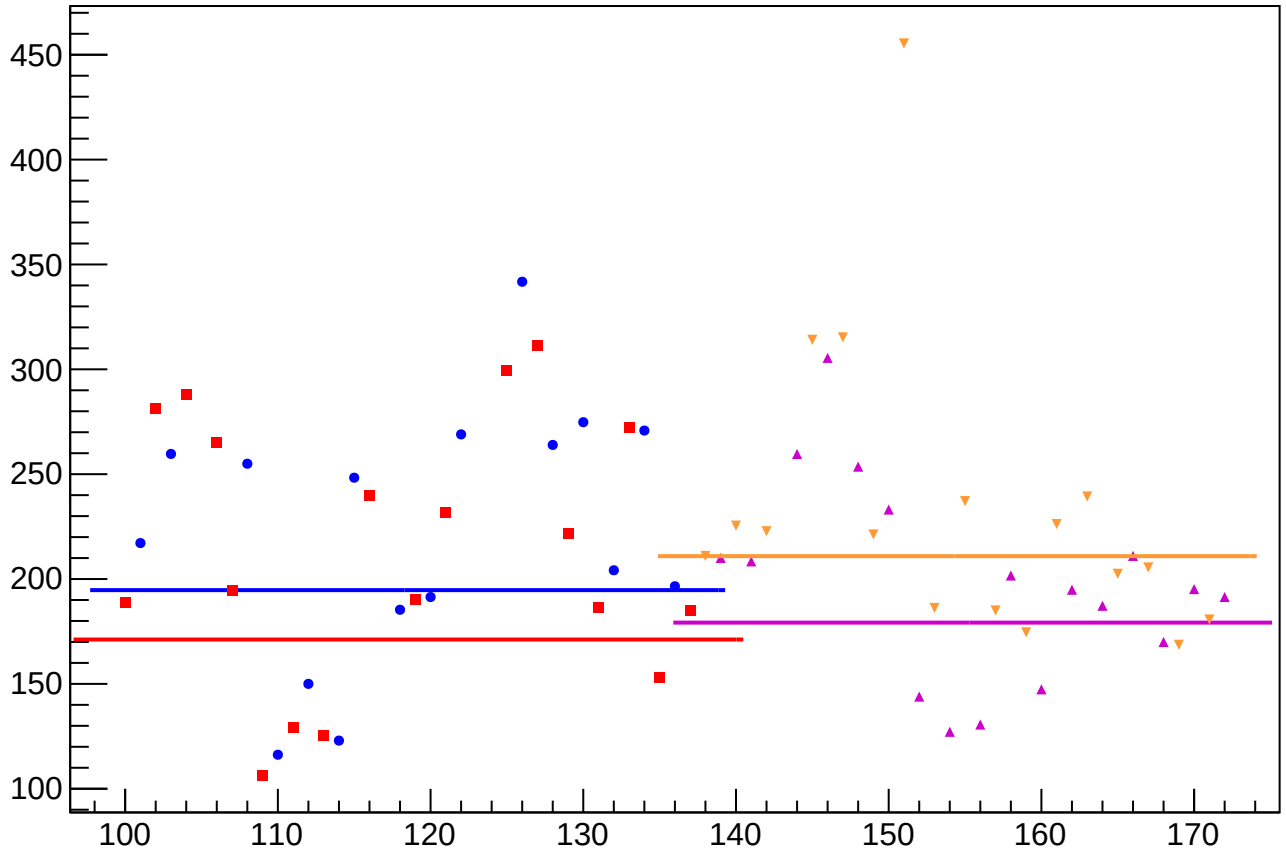
Left: 124.283+/-38.534 χ^2/NDF: 13.8/33

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 65.017+/-42.115 χ^2/NDF:25.1/32

Out: 15.397+/-45.069 χ^2/NDF:28.6/34

All: 41.887+/-30.771 χ^2/NDF: 54.3/67



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 210.912+/-0.042 χ^2/NDF:1151962.7/16

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 179.222+/-0.036 χ^2/NDF:1486651.8/16

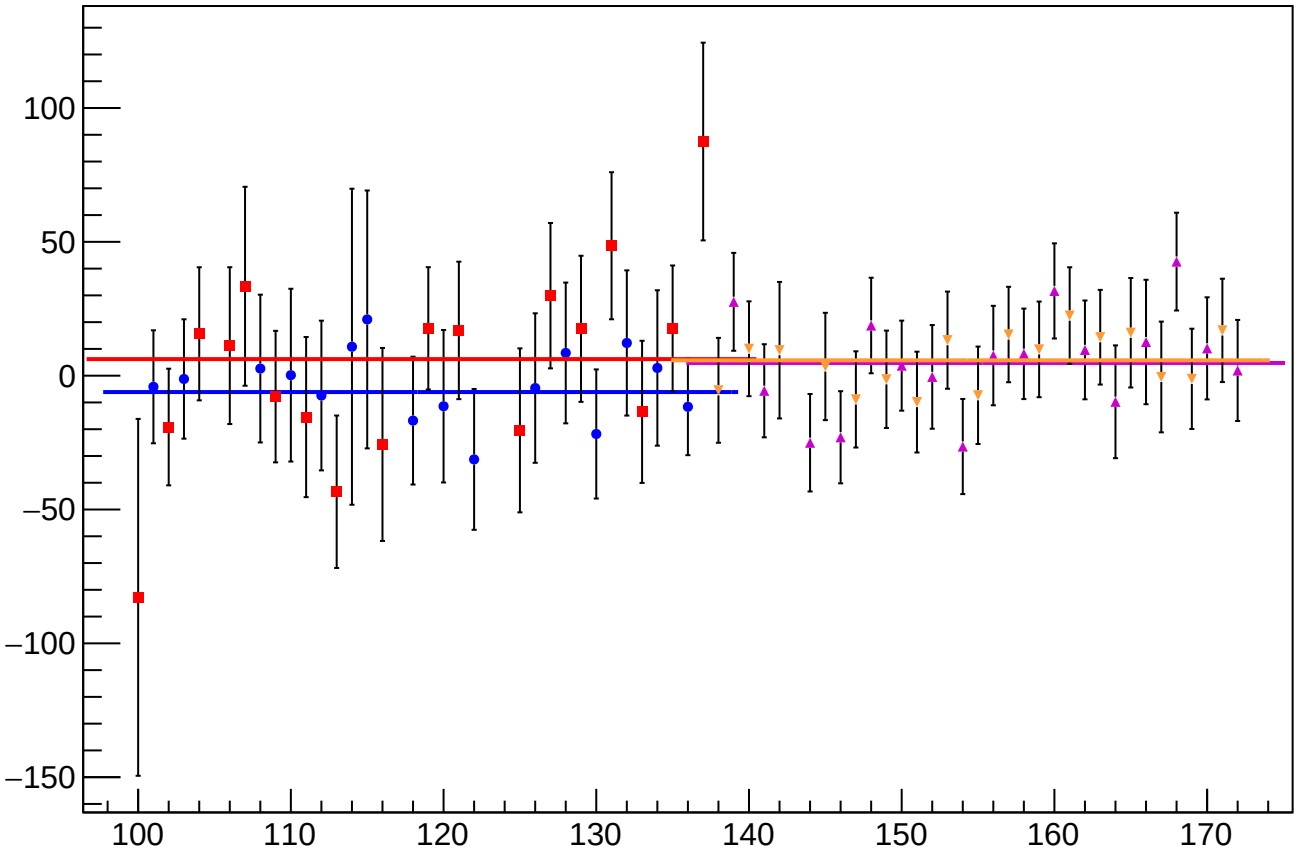
Left: 192.407+/-0.027 χ^2/NDF: 2967241.6/33

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 183.906+/-0.030 χ^2/NDF:2596000.2/32

Out: 193.782+/-0.032 χ^2/NDF:3145517.9/34

All: 188.510+/-0.022 χ^2/NDF: 5792785.5/67



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.736+/-4.583 χ^2/NDF:4.9/16

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: 4.750+/-4.457 χ^2/NDF:18.4/16

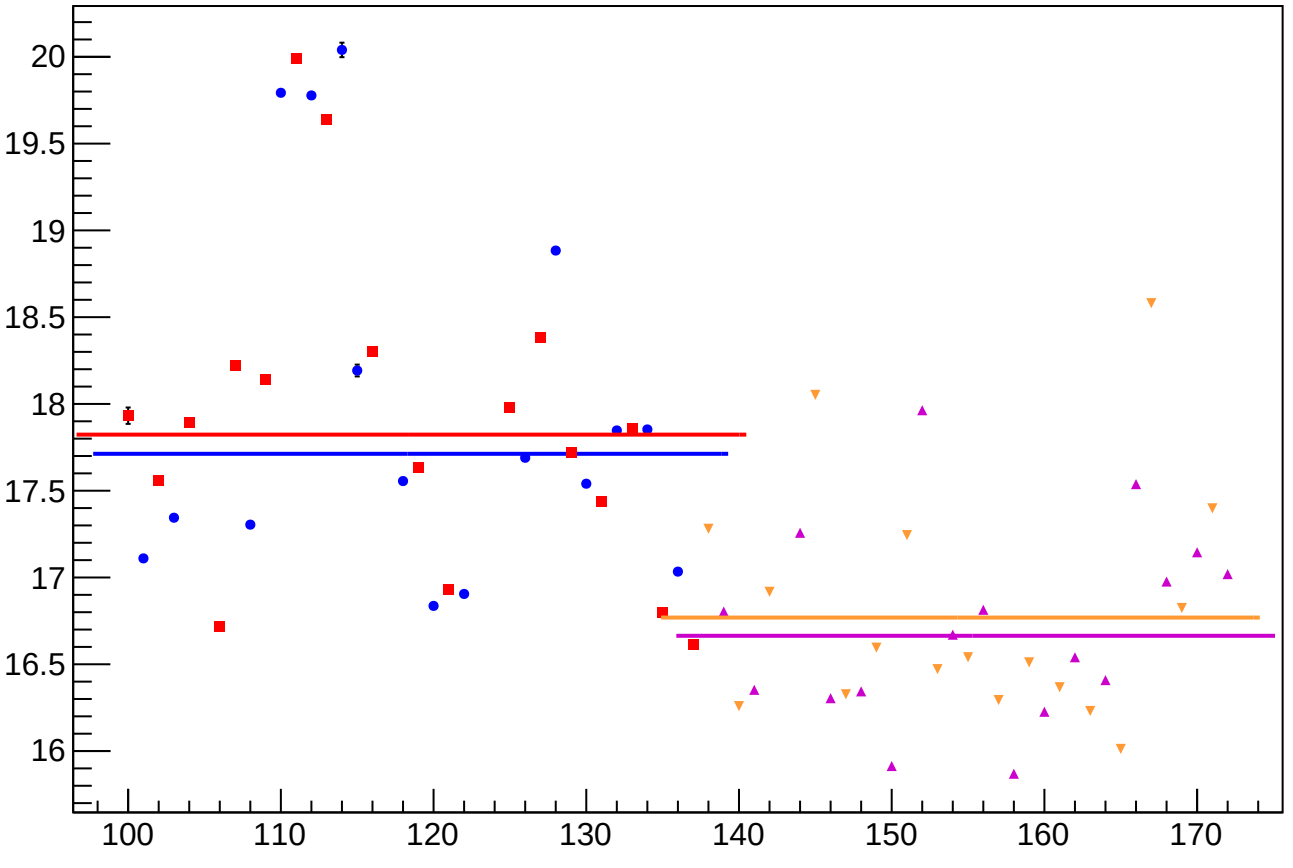
Left: 5.229+/-3.195 χ^2/NDF: 23.3/33

Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: 1.340+/-3.692 χ^2/NDF:23.4/32

Out: 5.886+/-3.761 χ^2/NDF:23.5/34

All: 3.571+/-2.635 χ^2/NDF: 47.6/67



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.769+/-0.003 χ^2/NDF:39695.0/16

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.664+/-0.003 χ^2/NDF:28926.5/16

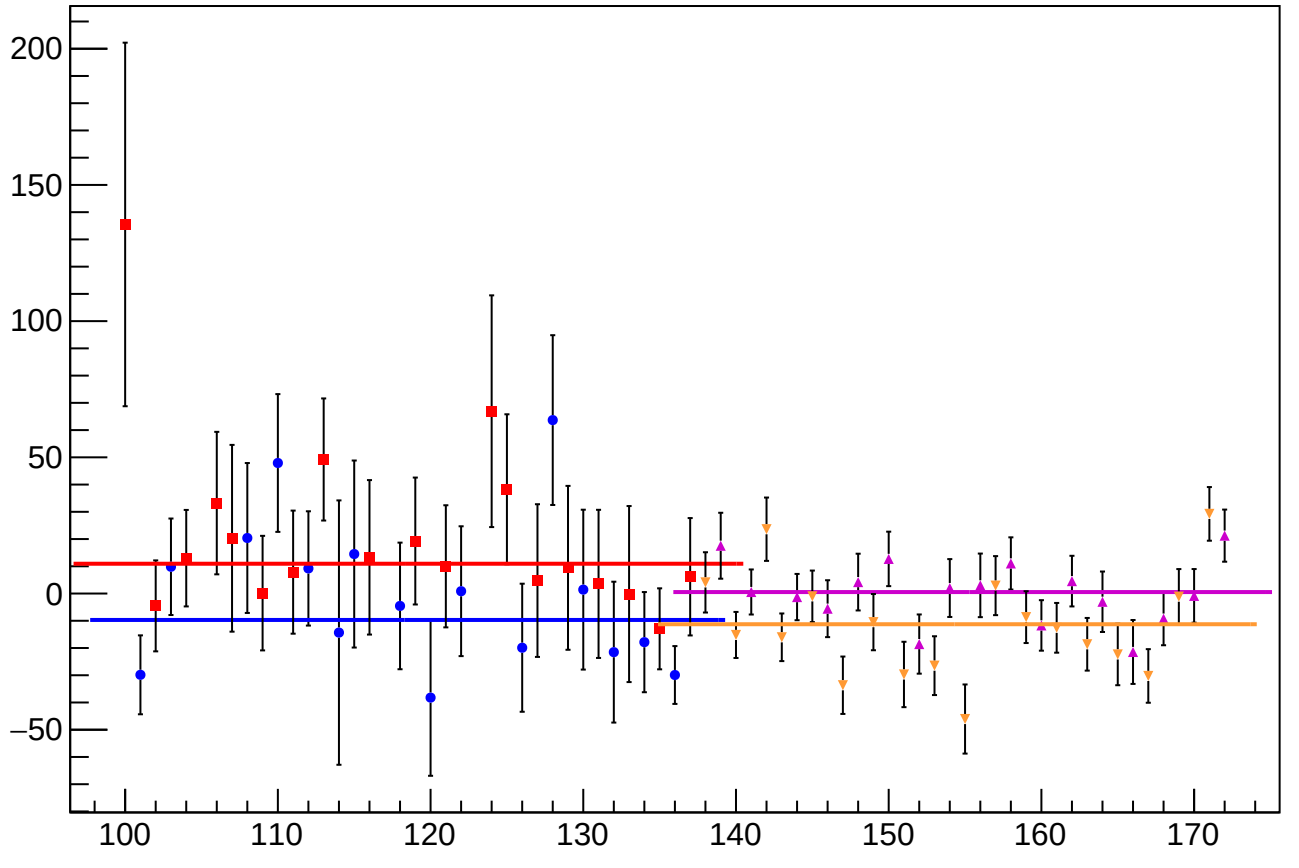
Left: 16.715+/-0.002 χ^2/NDF: 69161.5/33

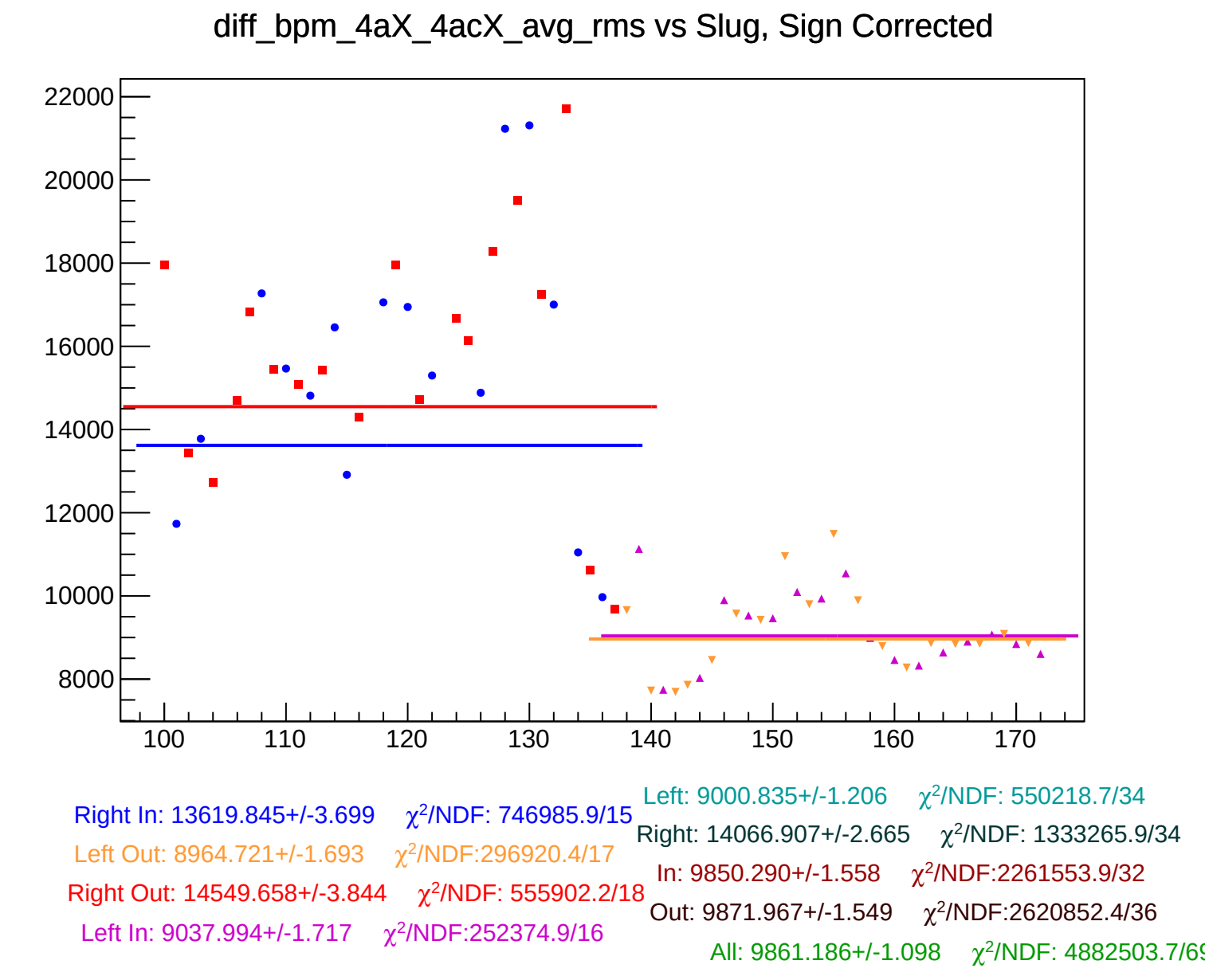
Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

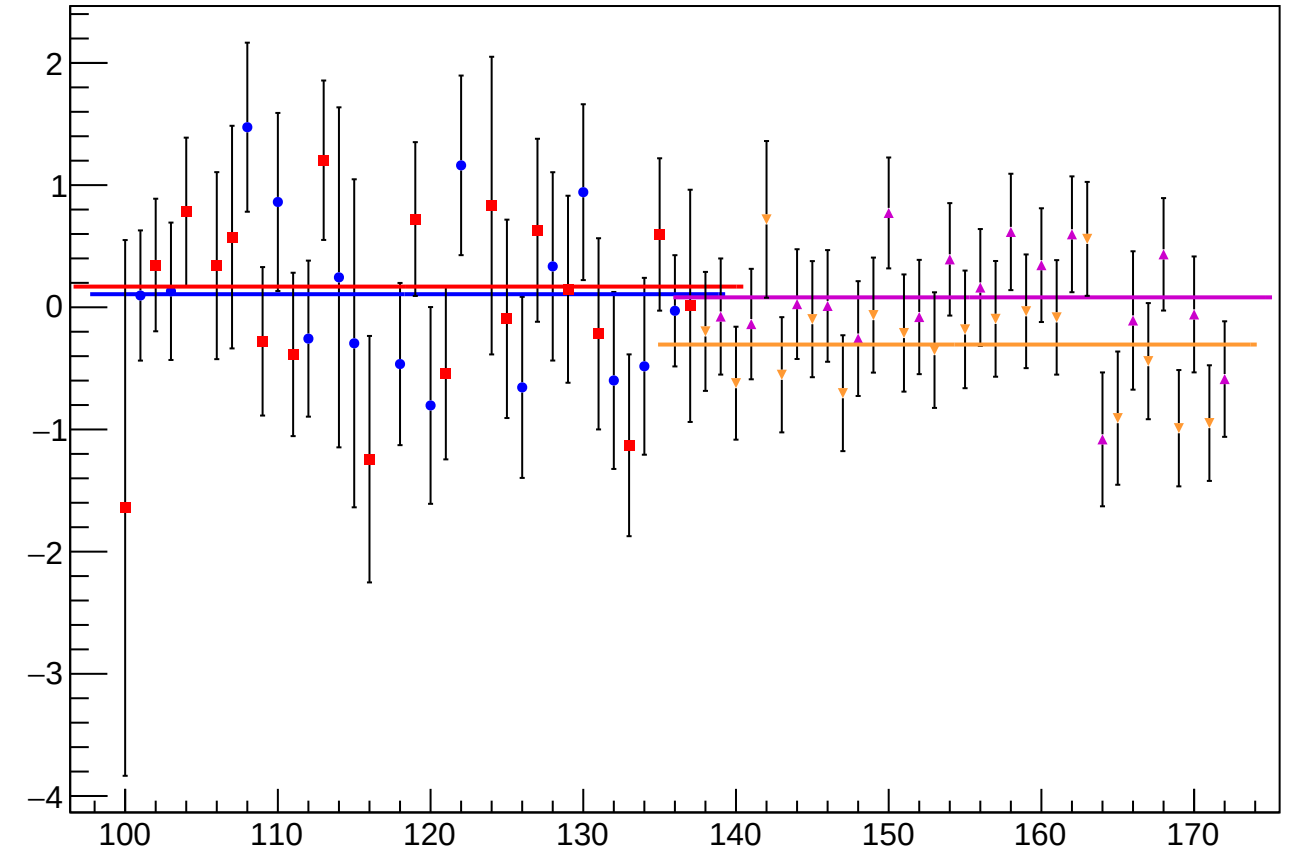
In: 16.993+/-0.003 χ^2/NDF:99635.3/32

Out: 17.113+/-0.003 χ^2/NDF:106753.2/34

All: 17.052+/-0.002 χ^2/NDF: 207431.9/67


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: -11.273+/-2.394 χ²/NDF:54.0/17
Right Out: 10.938+/-5.436 χ²/NDF: 14.1/18
Left In: 0.538+/-2.428 χ²/NDF:19.6/16
Left: -5.452+/-1.705 χ²/NDF: 85.6/34
Right: 0.222+/-3.769 χ²/NDF: 43.6/34
In: -1.278+/-2.203 χ²/NDF:44.7/32
Out: -7.664+/-2.191 χ²/NDF:82.1/36
All: -4.488+/-1.553 χ²/NDF: 131.0/69


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: 8964.721+/-1.693 χ²/NDF:296920.4/17
Right Out: 14549.658+/-3.844 χ²/NDF: 555902.2/18
Left In: 9037.994+/-1.717 χ²/NDF:252374.9/16
Left: 9000.835+/-1.206 χ²/NDF: 550218.7/34
Right: 14066.907+/-2.665 χ²/NDF: 1333265.9/34
In: 9850.290+/-1.558 χ²/NDF:2261553.9/32
Out: 9871.967+/-1.549 χ²/NDF:2620852.4/36
All: 9861.186+/-1.098 χ²/NDF: 4882503.7/69



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.305+/-0.114 χ^2/NDF:14.0/17

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: -0.114+/-0.081 χ^2/NDF: 33.6/34

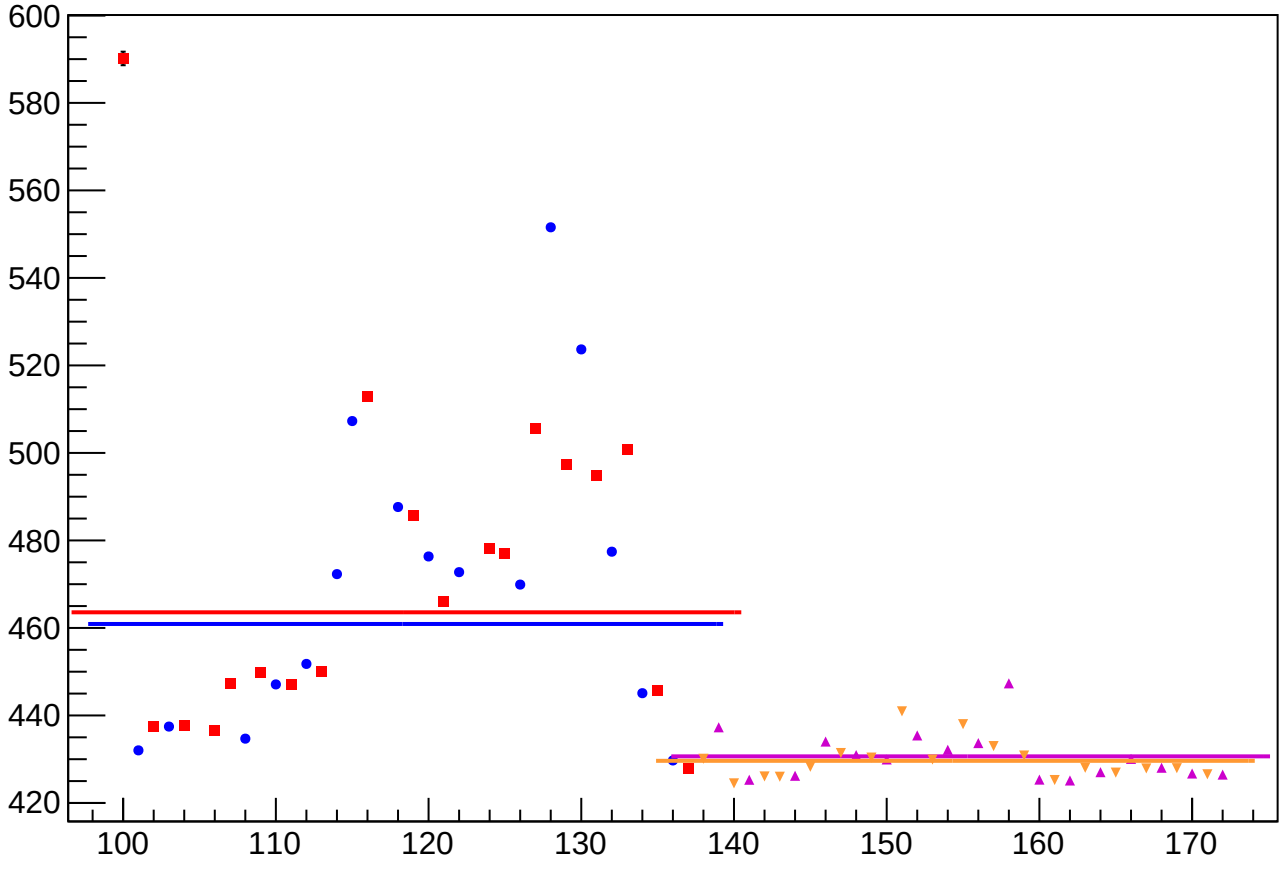
Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.089+/-0.096 χ^2/NDF:27.6/32

Out: -0.158+/-0.094 χ^2/NDF:33.5/36

All: -0.035+/-0.067 χ^2/NDF: 64.5/69

diff_bpm_4aX_4acX_dd_rms vs Slug, Sign Corrected



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 429.631+/-0.080 χ^2/NDF:2697.1/17

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 430.652+/-0.081 χ^2/NDF:4722.7/16

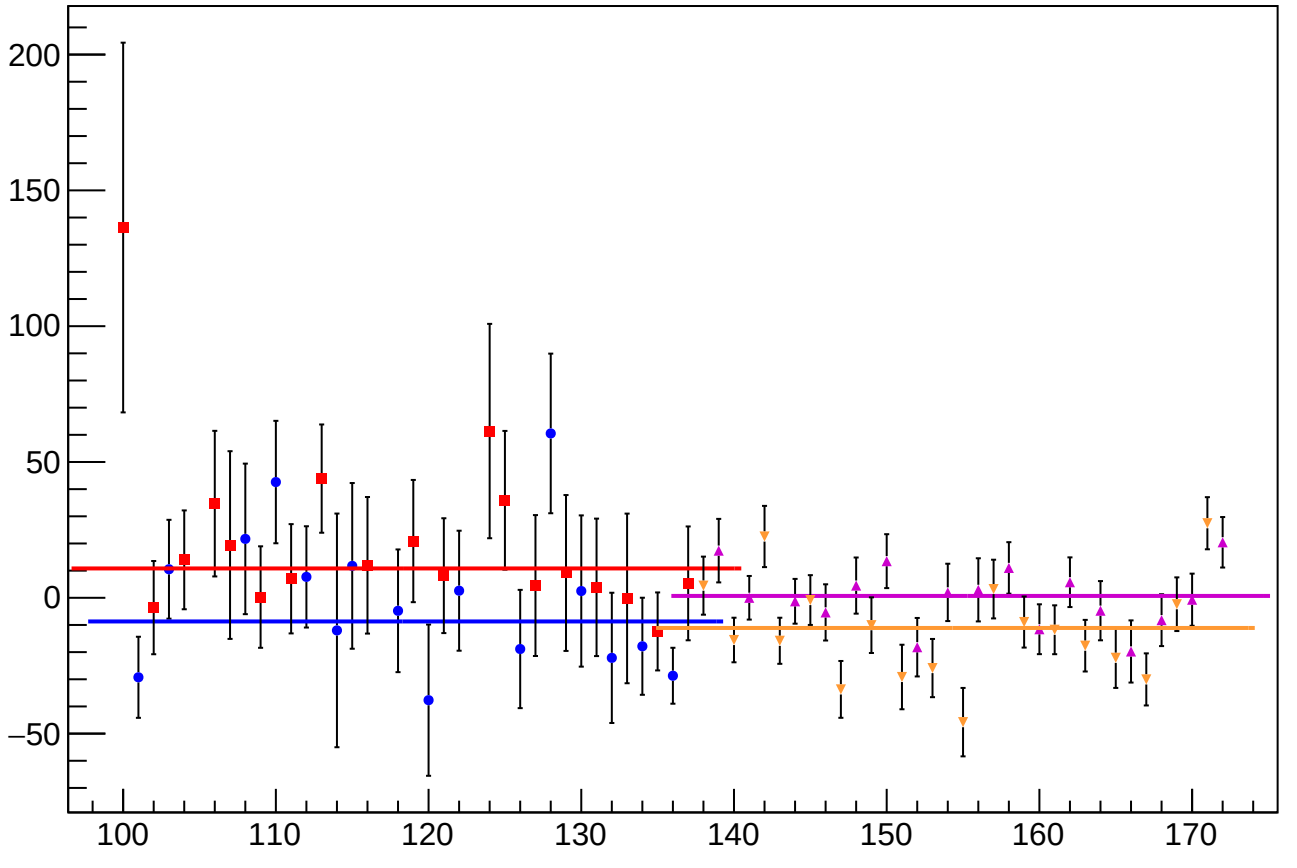
Left: 430.136+/-0.057 χ^2/NDF: 7499.6/34

Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 440.016+/-0.068 χ^2/NDF:122524.4/32

Out: 440.180+/-0.067 χ^2/NDF:110187.4/36

All: 440.099+/-0.047 χ^2/NDF: 232714.8/69



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -11.104+/-2.348 χ^2/NDF:53.5/17

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: 0.690+/-2.385 χ^2/NDF:19.5/16

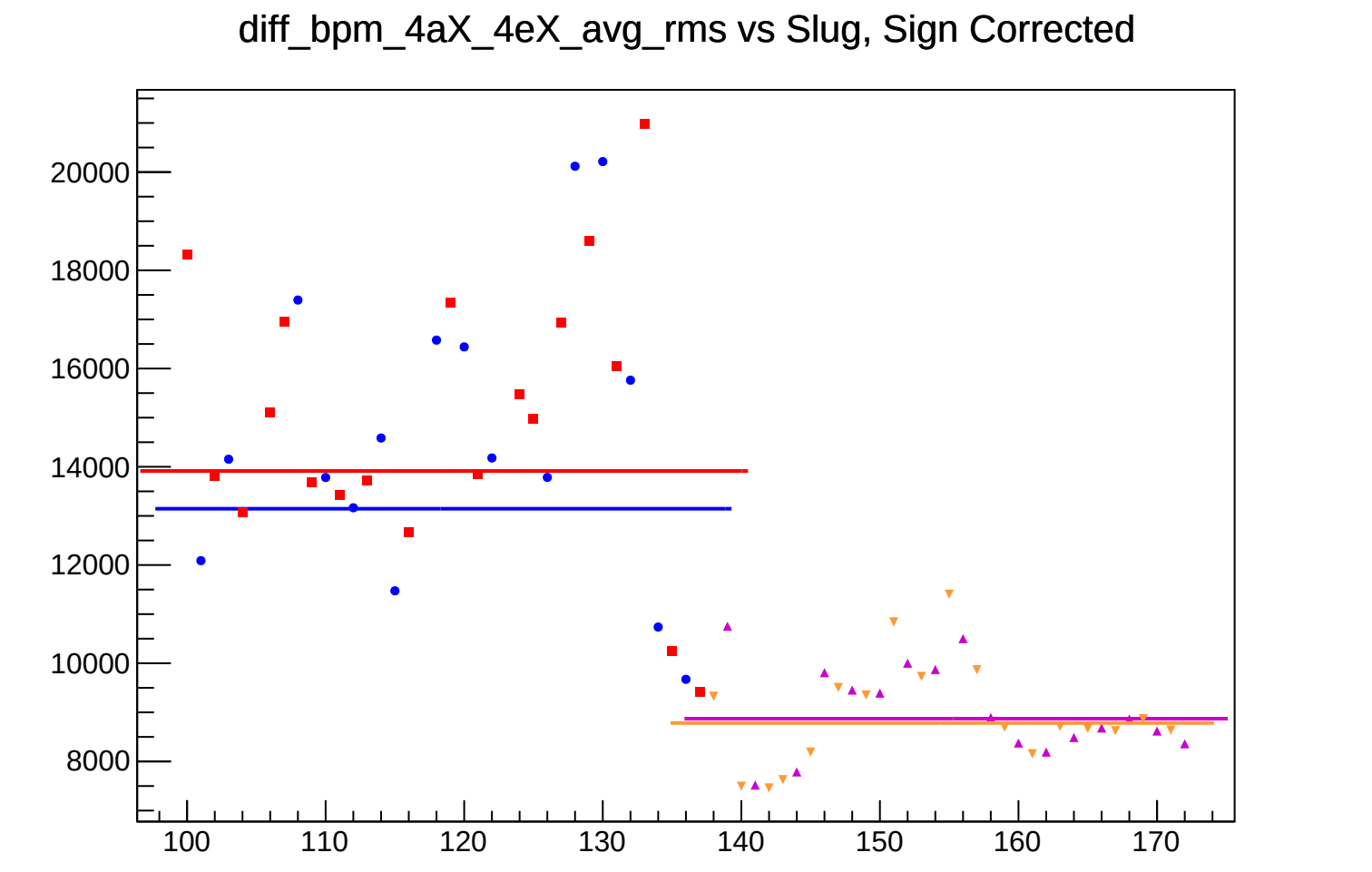
Left: -5.300+/-1.673 χ^2/NDF: 85.4/34

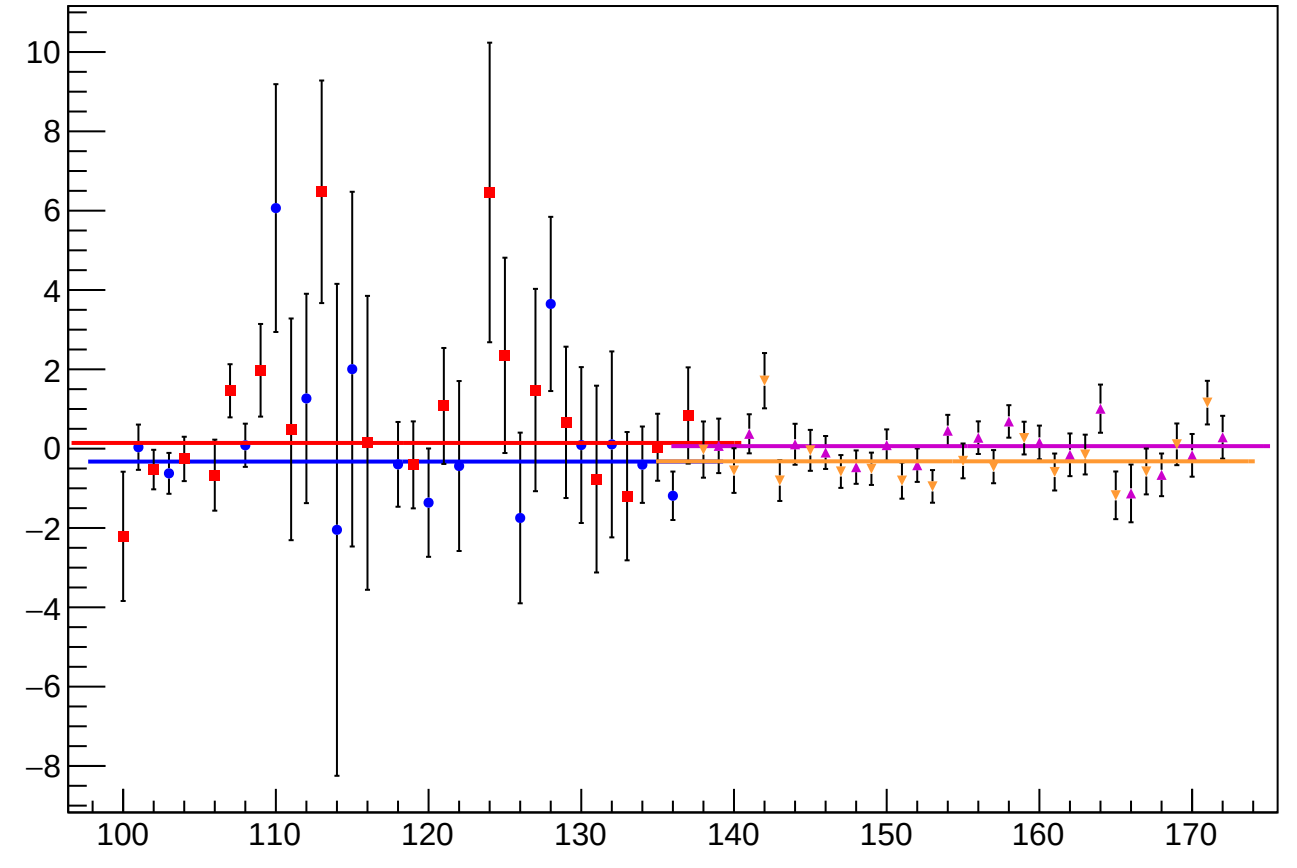
Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: -1.032+/-2.155 χ^2/NDF:44.6/32

Out: -7.384+/-2.139 χ^2/NDF:82.1/36

All: -4.232+/-1.518 χ^2/NDF: 131.1/69


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: 8783.789+/-1.660 χ²/NDF:336973.9/17
Right Out: 13914.770+/-3.671 χ²/NDF: 511000.7/18
Left In: 8871.831+/-1.686 χ²/NDF:278007.1/16
Left: 8827.116+/-1.183 χ²/NDF: 616365.3/34
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 9654.820+/-1.524 χ²/NDF:2137401.0/32
Out: 9654.863+/-1.513 χ²/NDF:2469919.0/36
All: 9654.842+/-1.074 χ²/NDF: 4607320.0/69



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.319+/-0.115 χ^2/NDF:26.8/17

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: -0.128+/-0.081 χ^2/NDF: 46.8/34

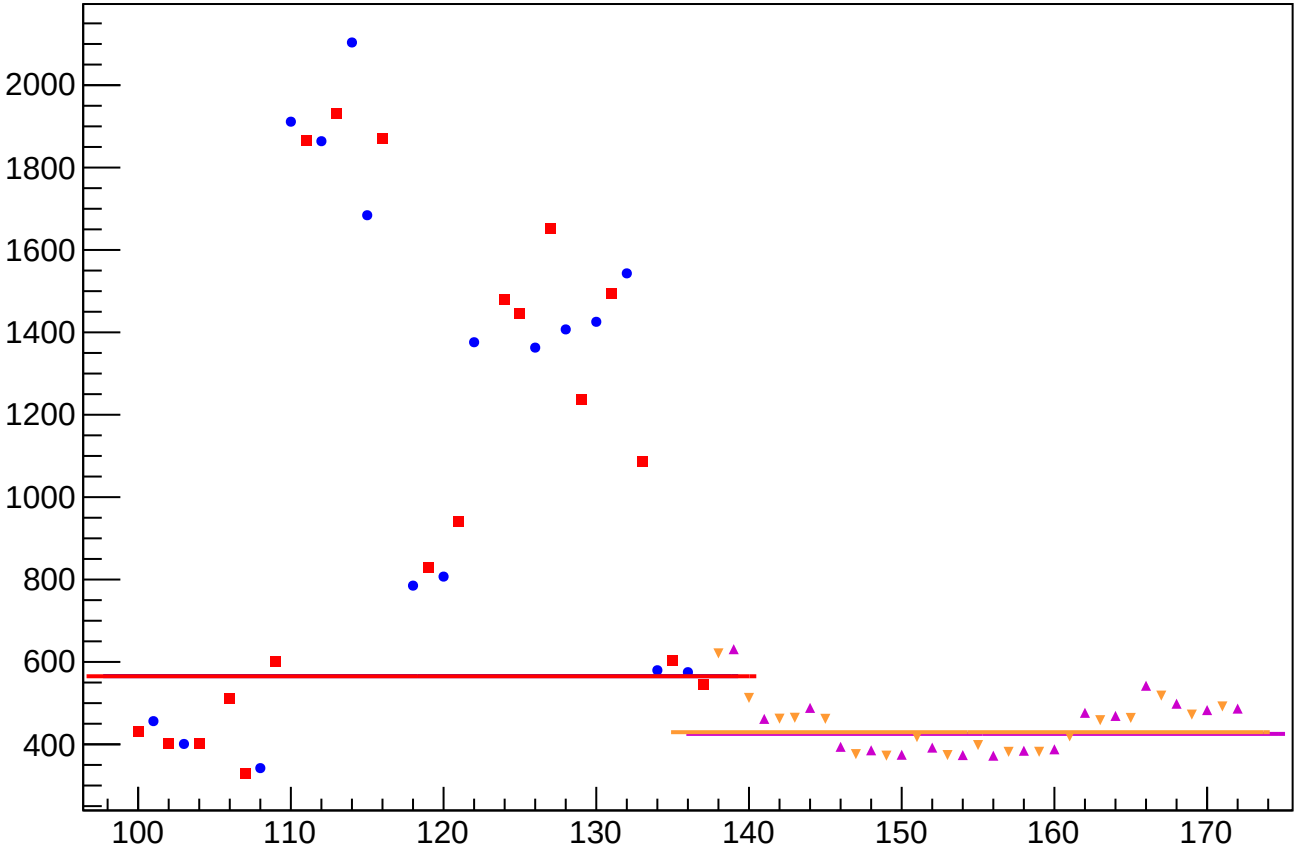
Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: -0.007+/-0.104 χ^2/NDF:29.1/32

Out: -0.235+/-0.104 χ^2/NDF:52.2/36

All: -0.121+/-0.074 χ^2/NDF: 83.7/69

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 429.465+/-0.081 χ^2/NDF:484419.2/17

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: 427.403+/-0.058 χ^2/NDF: 1047940.1/34

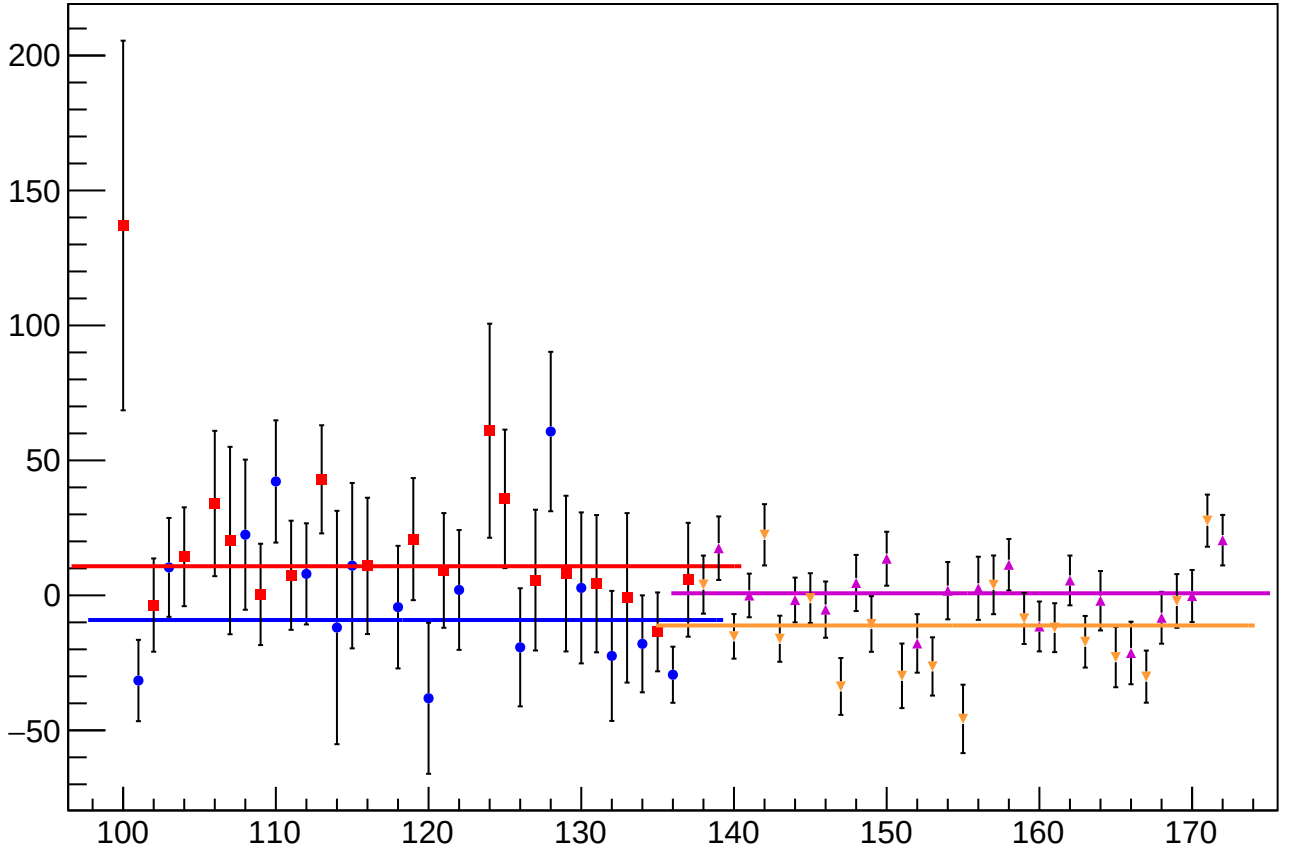
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

In: 450.829+/-0.074 χ^2/NDF:4552380.8/32

Out: 454.142+/-0.074 χ^2/NDF:4561105.5/36

All: 452.484+/-0.052 χ^2/NDF: 9114498.5/69

diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -9.130+/-5.069 χ^2/NDF: 22.7/15

Left Out: -11.152+/-2.363 χ^2/NDF:53.4/17

Right Out: 10.788+/-5.227 χ^2/NDF: 13.7/18

Left In: 0.773+/-2.402 χ^2/NDF:19.5/16

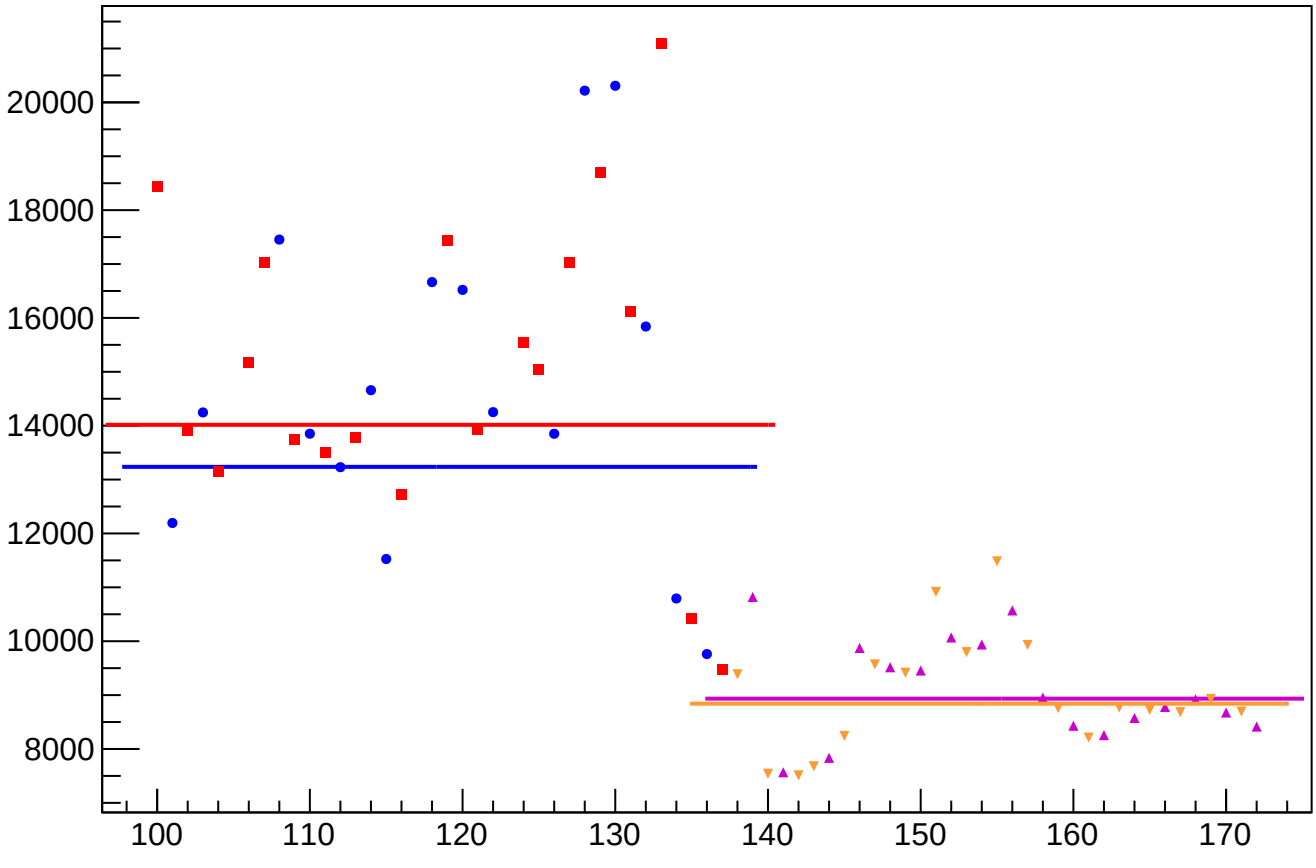
Left: -5.287+/-1.684 χ^2/NDF: 85.4/34

Right: 0.523+/-3.639 χ^2/NDF: 43.9/34

In: -1.042+/-2.170 χ^2/NDF:45.4/32

Out: -7.430+/-2.153 χ^2/NDF:81.7/36

All: -4.262+/-1.529 χ^2/NDF: 131.4/69



Right In: 13235.828+/-3.585 χ^2/NDF: 673887.0/15

Left Out: 8840.723+/-1.671 χ^2/NDF:337613.6/17

Right Out: 14016.035+/-3.696 χ^2/NDF: 498592.9/18

Left In: 8934.128+/-1.698 χ^2/NDF:277514.6/16

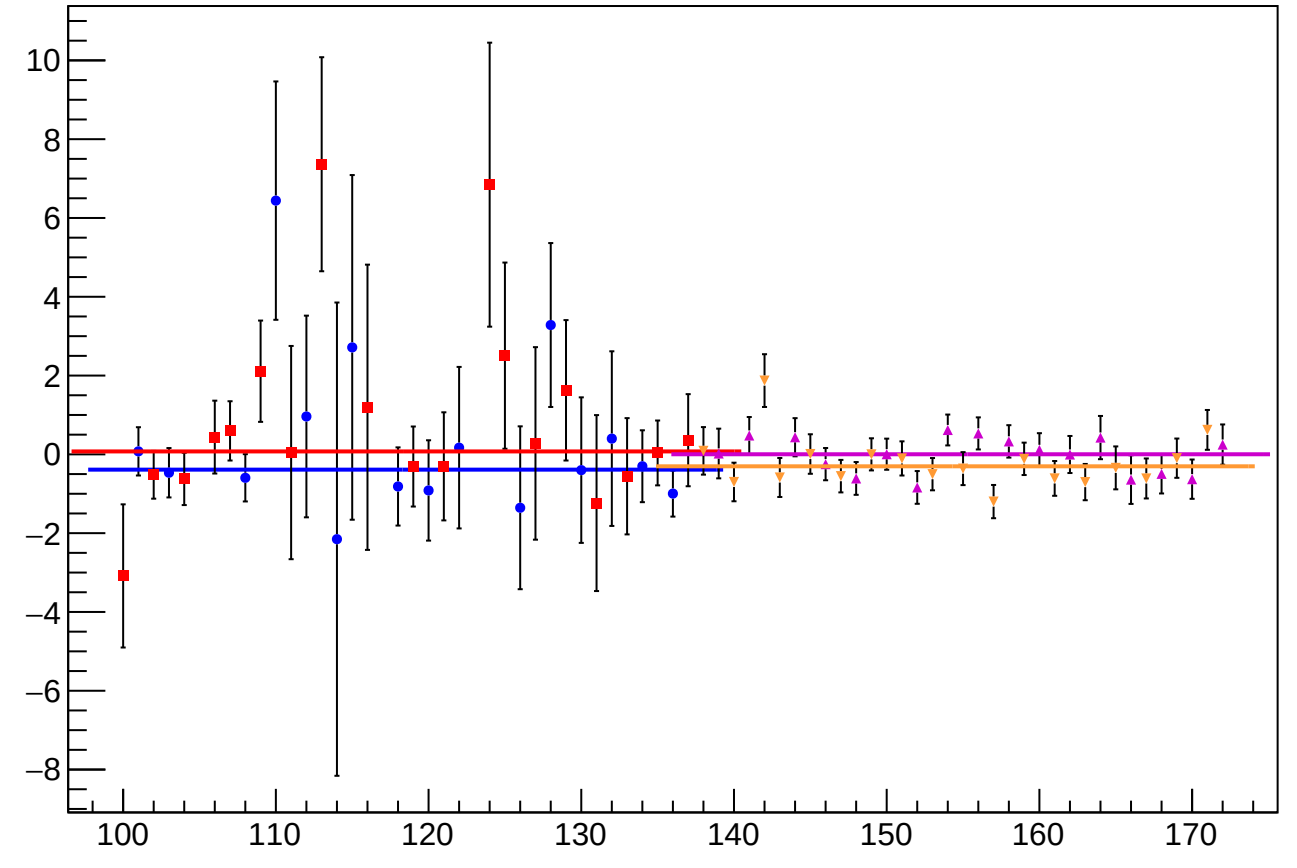
Left: 8886.664+/-1.191 χ^2/NDF: 616665.3/34

Right: 13613.950+/-2.573 χ^2/NDF: 1195440.4/34

In: 9722.702+/-1.535 χ^2/NDF:2127586.3/32

Out: 9718.724+/-1.522 χ^2/NDF:2463961.1/36

All: 9720.697+/-1.081 χ^2/NDF: 4591550.8/69



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.303+/-0.110 χ^2/NDF:23.6/17

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: -0.151+/-0.078 χ^2/NDF: 45.3/34

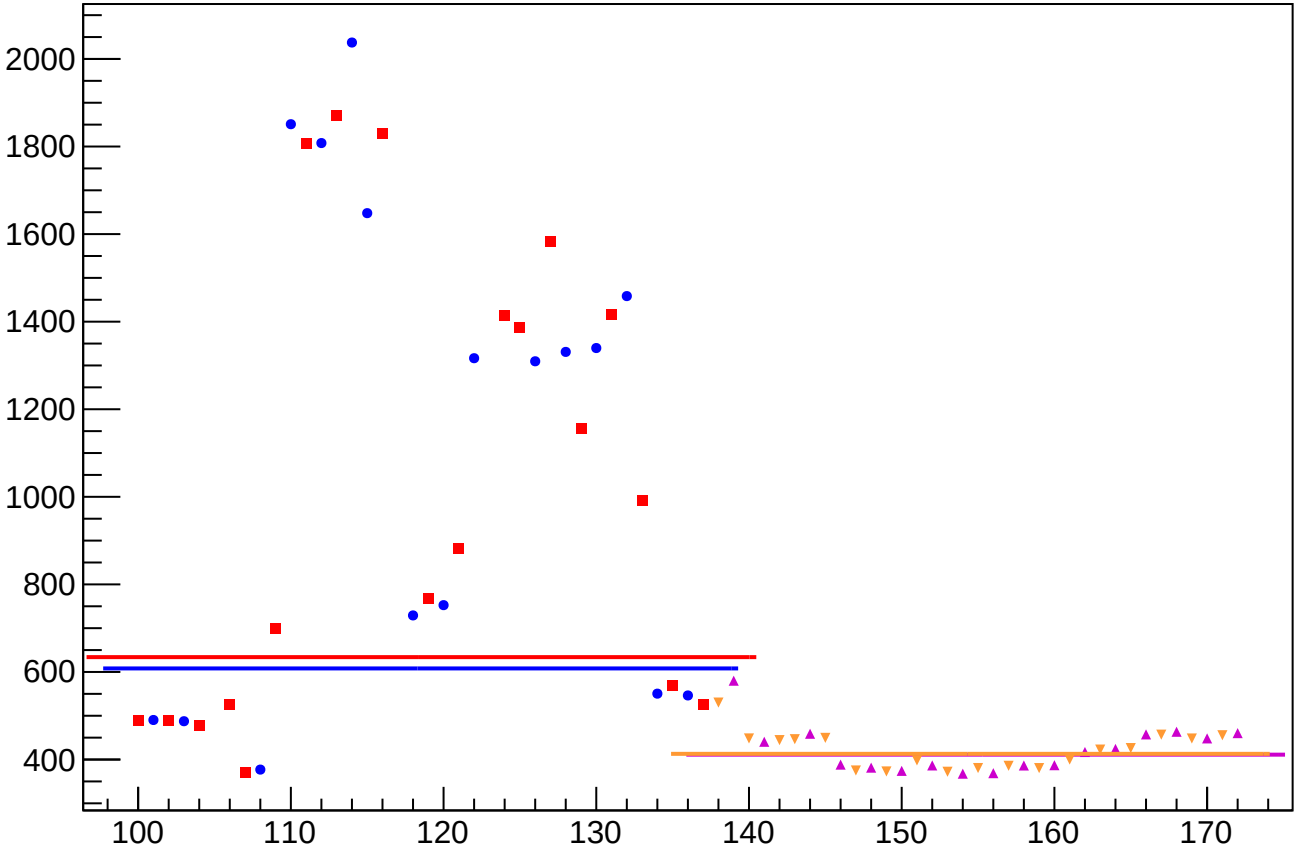
Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.059+/-0.102 χ^2/NDF:31.5/32

Out: -0.248+/-0.102 χ^2/NDF:47.0/36

All: -0.153+/-0.072 χ^2/NDF: 80.2/69

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 413.009+/-0.078 χ^2/NDF:244160.6/17

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 411.132+/-0.078 χ^2/NDF:335957.9/16

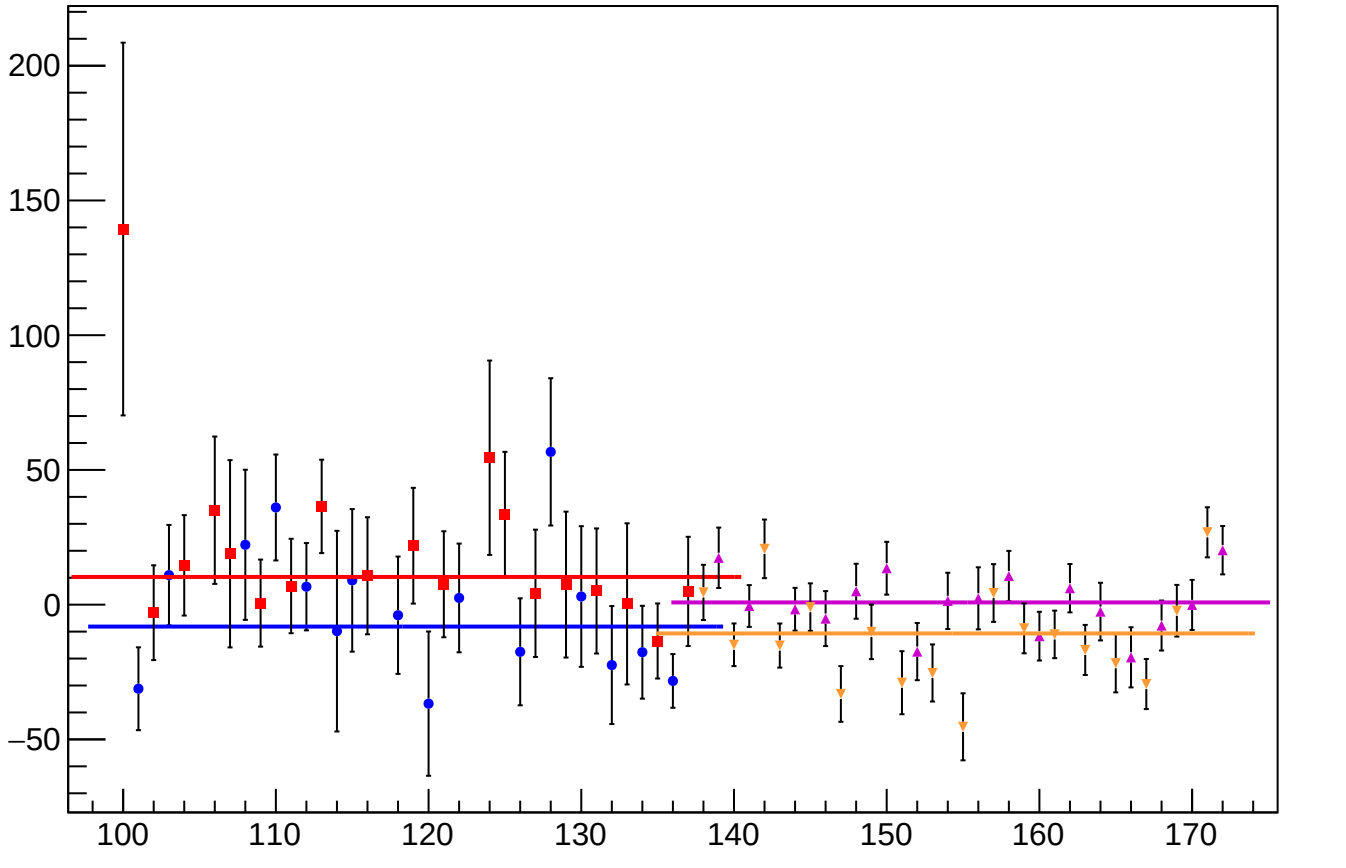
Left: 412.076+/-0.055 χ^2/NDF: 580407.7/34

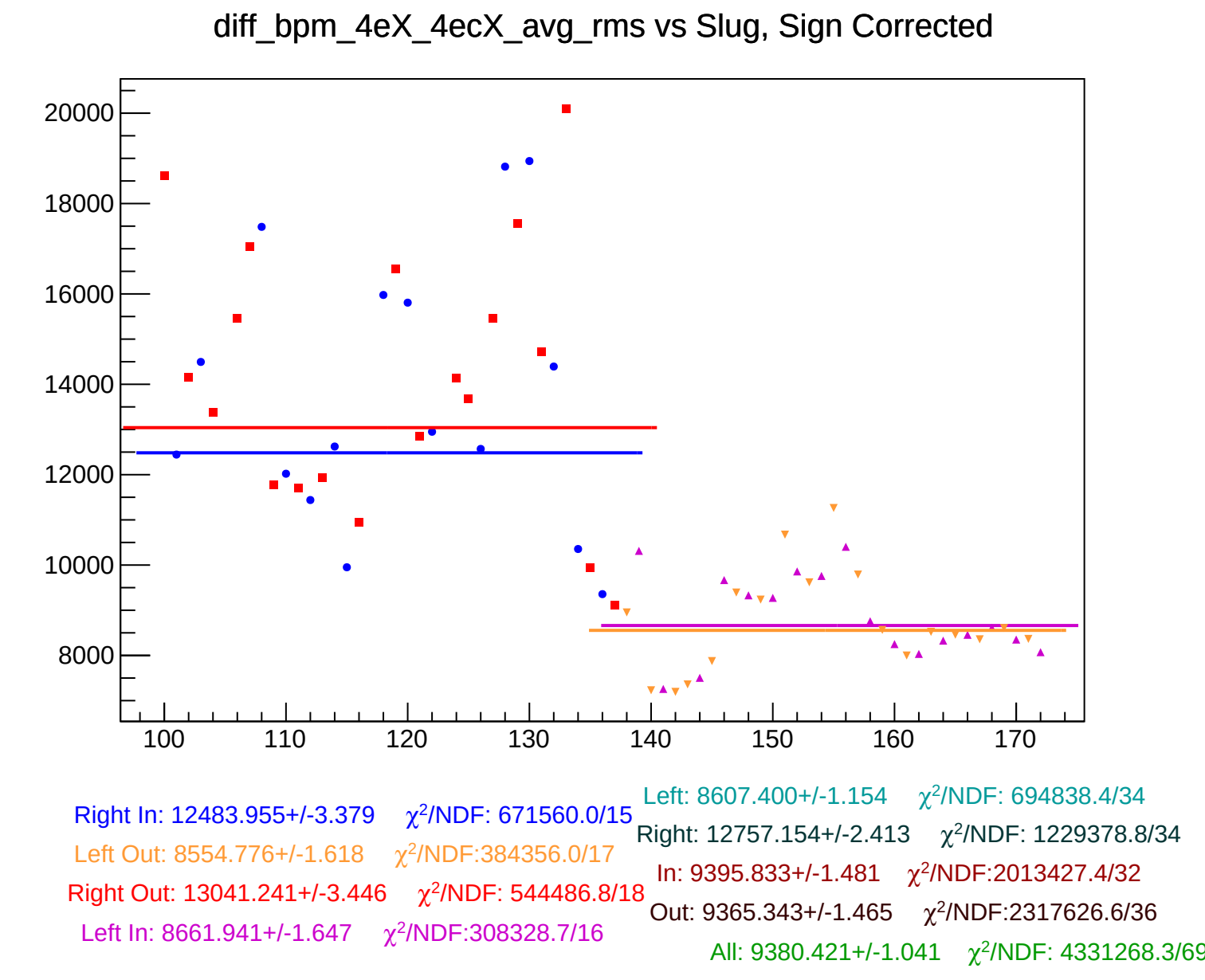
Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

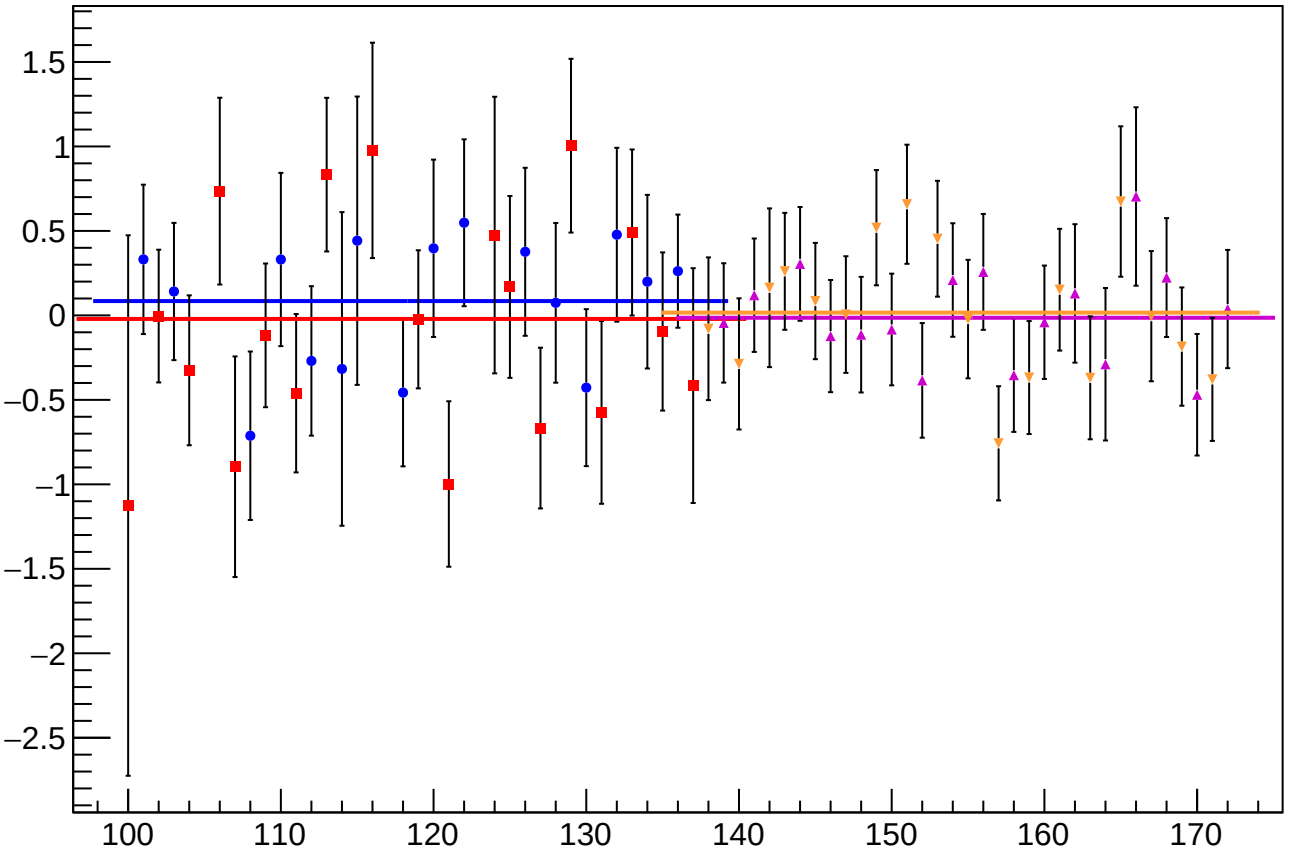
In: 442.206+/-0.072 χ^2/NDF:4187777.6/32

Out: 445.566+/-0.072 χ^2/NDF:4221511.3/36

All: 443.886+/-0.051 χ^2/NDF: 8410383.1/69


diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
Right In: -8.132+/-4.779 χ²/NDF: 23.1/15
Left Out: -10.682+/-2.288 χ²/NDF:53.9/17
Right Out: 10.288+/-4.873 χ²/NDF: 13.7/18
Left In: 0.831+/-2.330 χ²/NDF:19.8/16
Left: -5.028+/-1.633 χ²/NDF: 86.1/34
Right: 0.898+/-3.412 χ²/NDF: 44.1/34
In: -0.890+/-2.094 χ²/NDF:45.8/32
Out: -6.893+/-2.071 χ²/NDF:82.7/36
All: -3.924+/-1.473 χ²/NDF: 132.6/69


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: 8554.776+/-1.618 χ²/NDF:384356.0/17
Right Out: 13041.241+/-3.446 χ²/NDF: 544486.8/18
Left In: 8661.941+/-1.647 χ²/NDF:308328.7/16
Left: 8607.400+/-1.154 χ²/NDF: 694838.4/34
Right: 12757.154+/-2.413 χ²/NDF: 1229378.8/34
In: 9395.833+/-1.481 χ²/NDF:2013427.4/32
Out: 9365.343+/-1.465 χ²/NDF:2317626.6/36
All: 9380.421+/-1.041 χ²/NDF: 4331268.3/69



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.016+/-0.086 χ^2/NDF:19.9/17

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: -0.014+/-0.086 χ^2/NDF:9.0/16

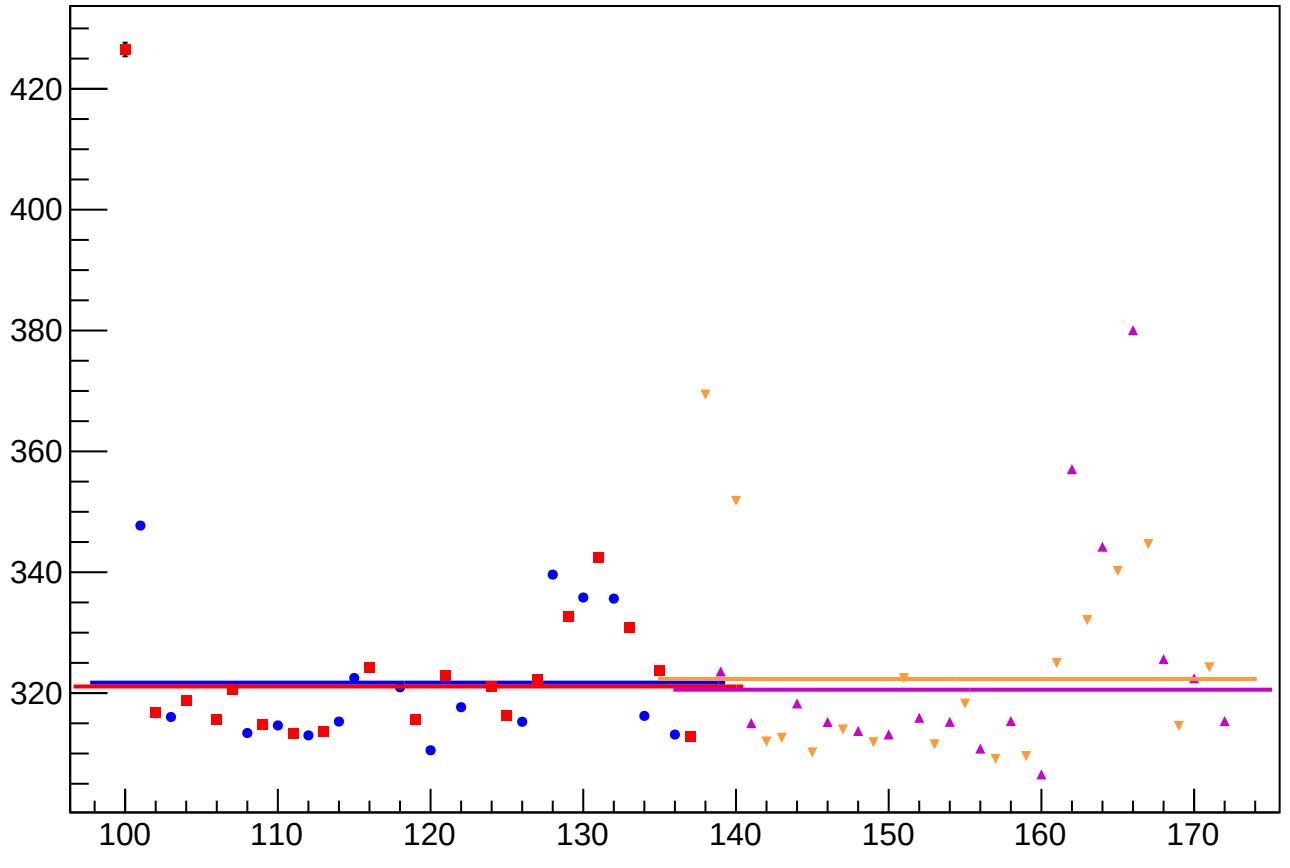
Left: 0.001+/-0.061 χ^2/NDF: 29.0/34

Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.020+/-0.070 χ^2/NDF:18.8/32

Out: 0.003+/-0.069 χ^2/NDF:44.3/36

All: 0.011+/-0.049 χ^2/NDF: 63.2/69



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 322.333+/-0.061 χ^2/NDF:65221.1/17

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 320.564+/-0.061 χ^2/NDF:57225.7/16

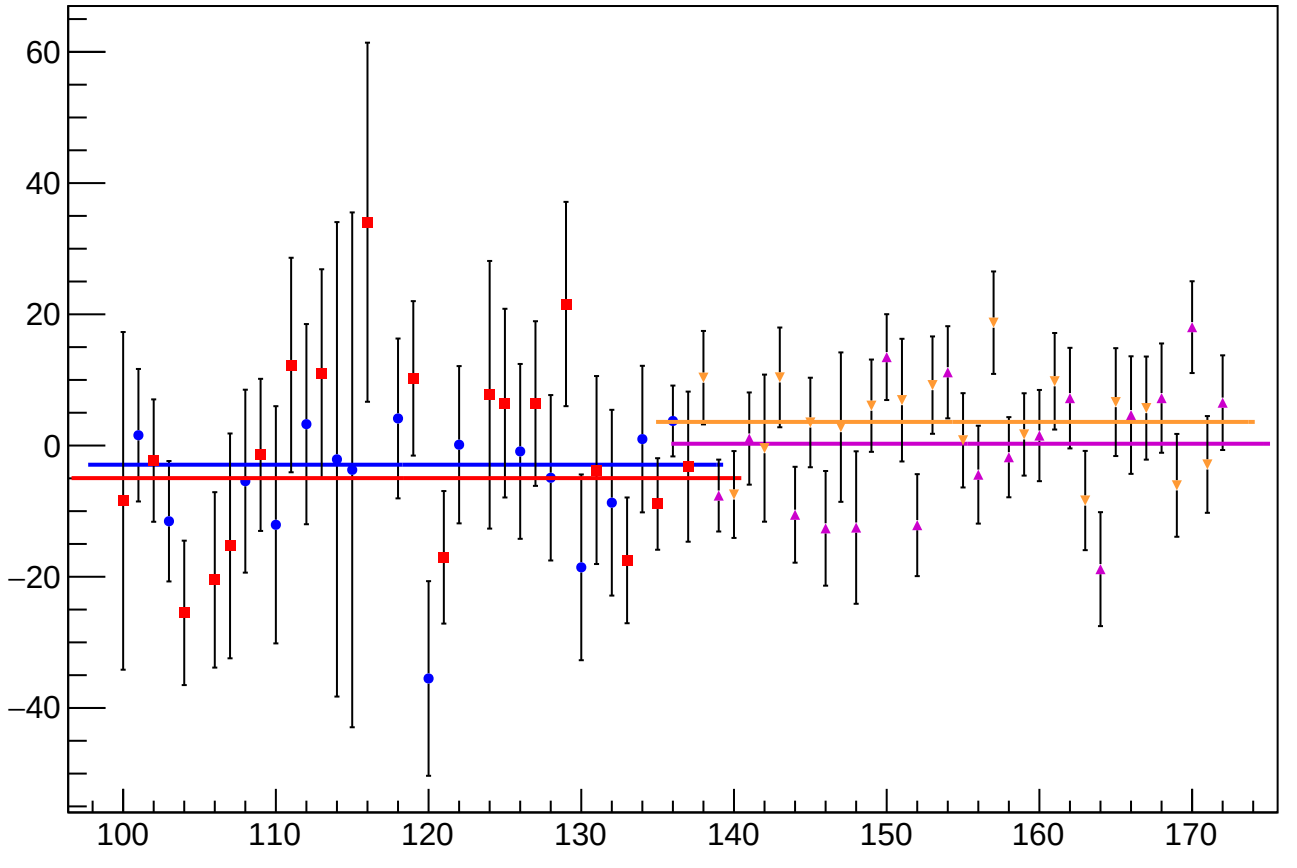
Left: 321.452+/-0.043 χ^2/NDF: 122869.9/34

Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 320.959+/-0.050 χ^2/NDF:75564.1/32

Out: 321.901+/-0.049 χ^2/NDF:81945.7/36

All: 321.435+/-0.035 χ^2/NDF: 157692.8/69



Right In: -2.922+/-2.910 χ^2/NDF: 9.8/15

Left Out: 3.601+/-1.797 χ^2/NDF:15.2/17

Right Out: -4.965+/-2.824 χ^2/NDF: 19.4/18

Left In: 0.273+/-1.781 χ^2/NDF:31.0/16

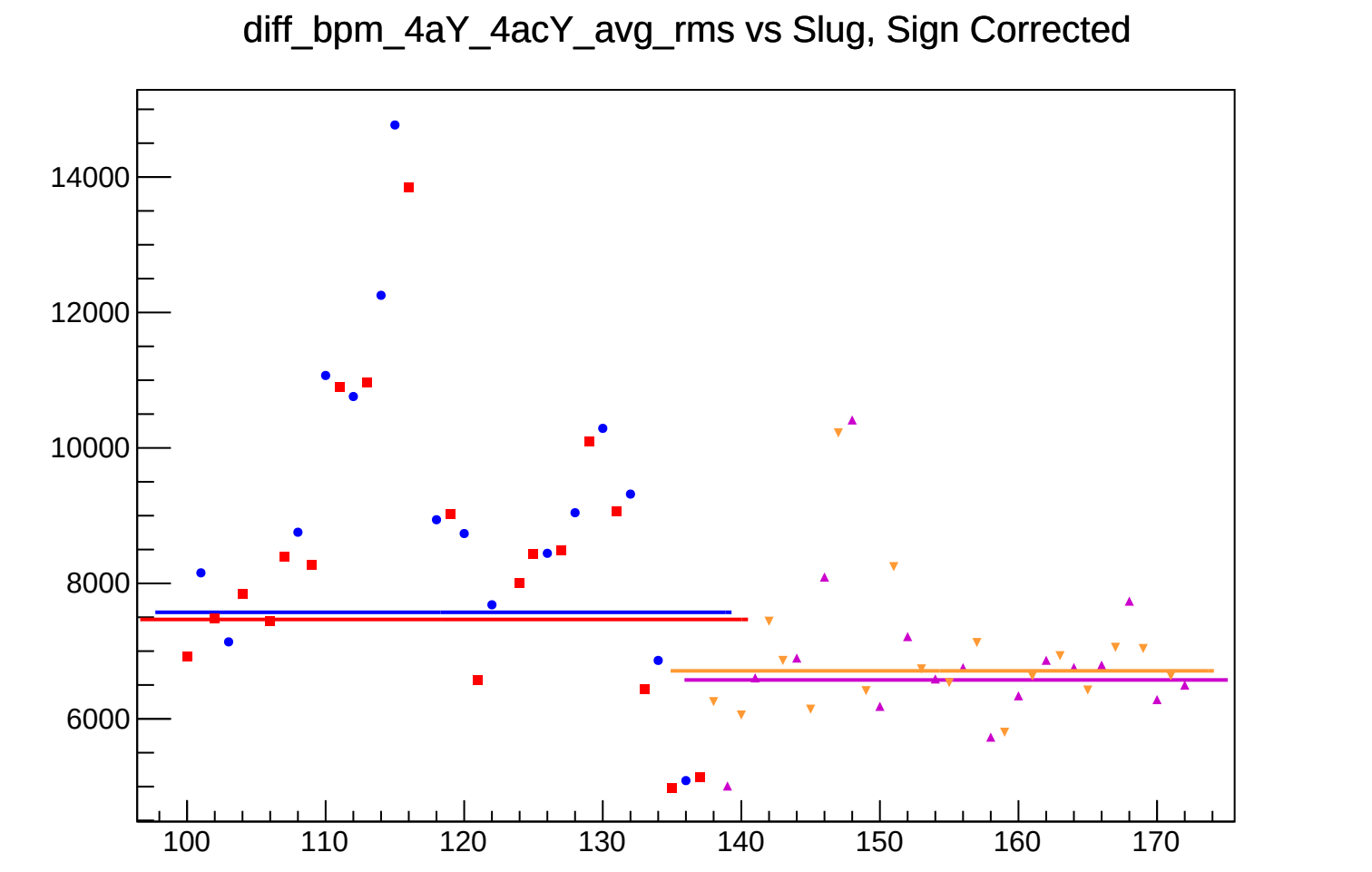
Left: 1.922+/-1.265 χ^2/NDF: 47.9/34

Right: -3.974+/-2.027 χ^2/NDF: 29.5/34

In: -0.597+/-1.519 χ^2/NDF:41.8/32

Out: 1.132+/-1.516 χ^2/NDF:41.1/36

All: 0.269+/-1.073 χ^2/NDF: 83.5/69



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6708.785+/-1.271 χ^2/NDF:359392.4/17

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

Left In: 6574.225+/-1.259 χ^2/NDF:556065.6/16

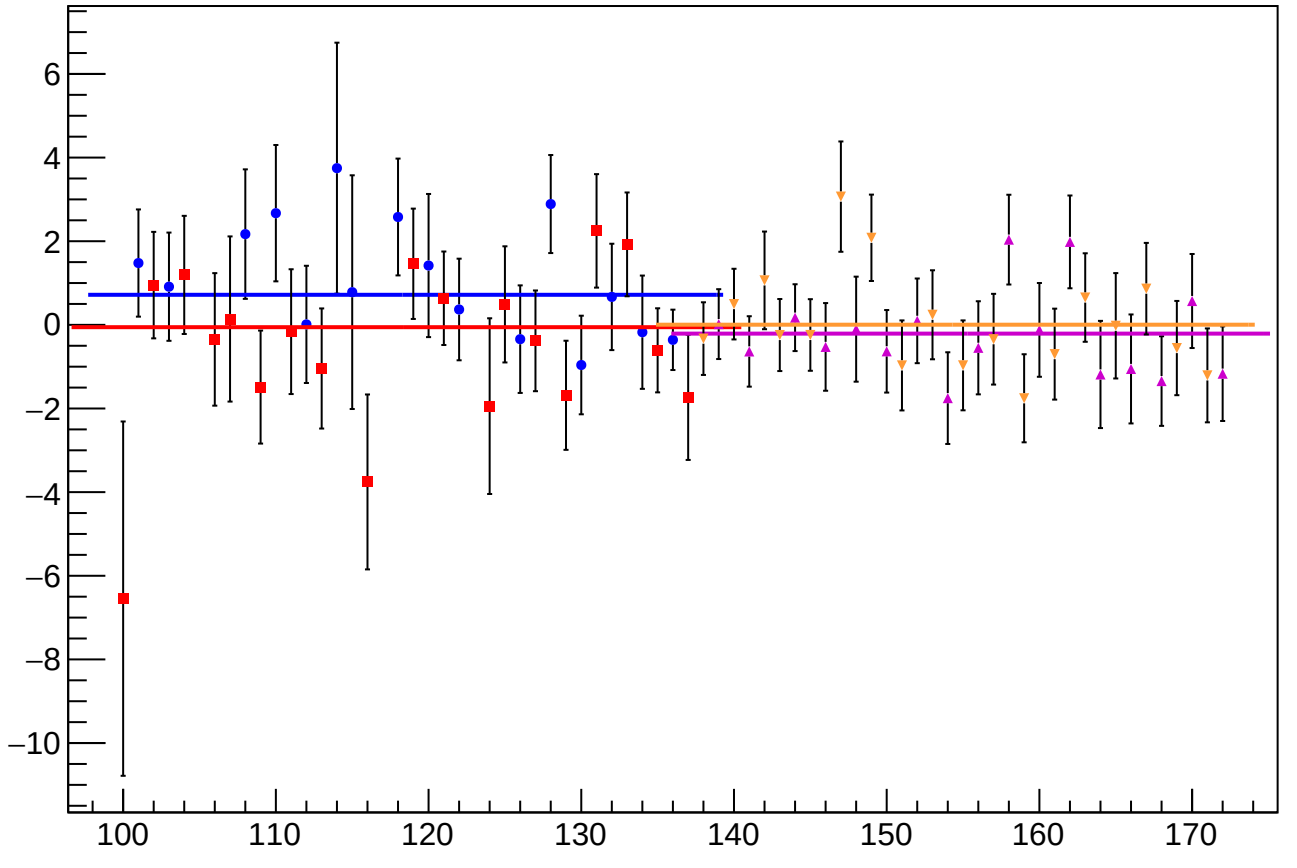
Left: 6640.897+/-0.895 χ^2/NDF: 921114.3/34

Right: 7518.728+/-1.433 χ^2/NDF: 1727300.0/34

In: 6846.410+/-1.074 χ^2/NDF:1625079.1/32

Out: 6927.491+/-1.072 χ^2/NDF:1290489.8/36

All: 6887.029+/-0.759 χ^2/NDF: 2918423.1/69



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: 0.004+/-0.244 χ^2/NDF:18.3/17

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.210+/-0.252 χ^2/NDF:14.6/16

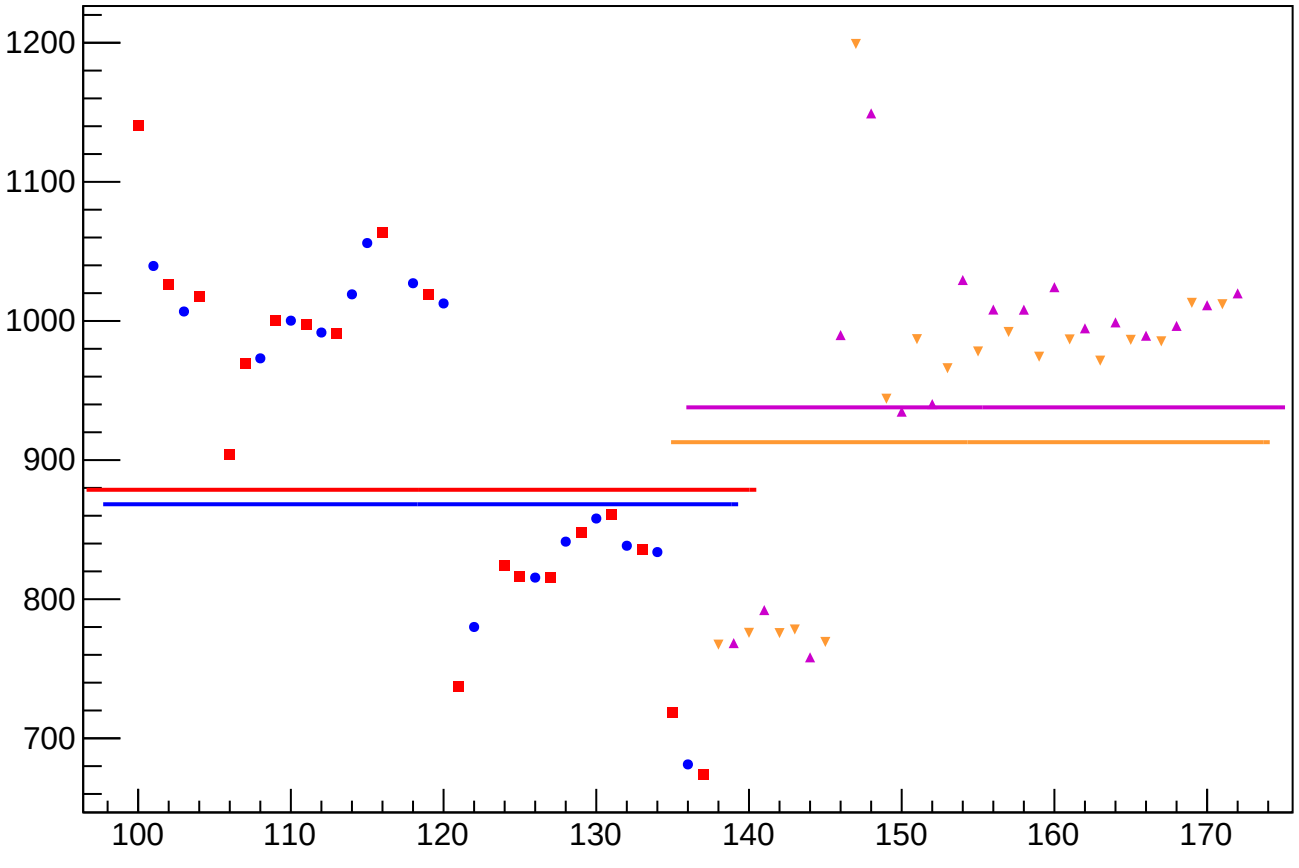
Left: -0.099+/-0.175 χ^2/NDF: 33.3/34

Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.138+/-0.199 χ^2/NDF:34.5/32

Out: -0.018+/-0.195 χ^2/NDF:38.2/36

All: 0.058+/-0.139 χ^2/NDF: 73.0/69



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 912.875+/-0.172 χ^2/NDF:439230.6/17

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 937.911+/-0.178 χ^2/NDF:385241.1/16

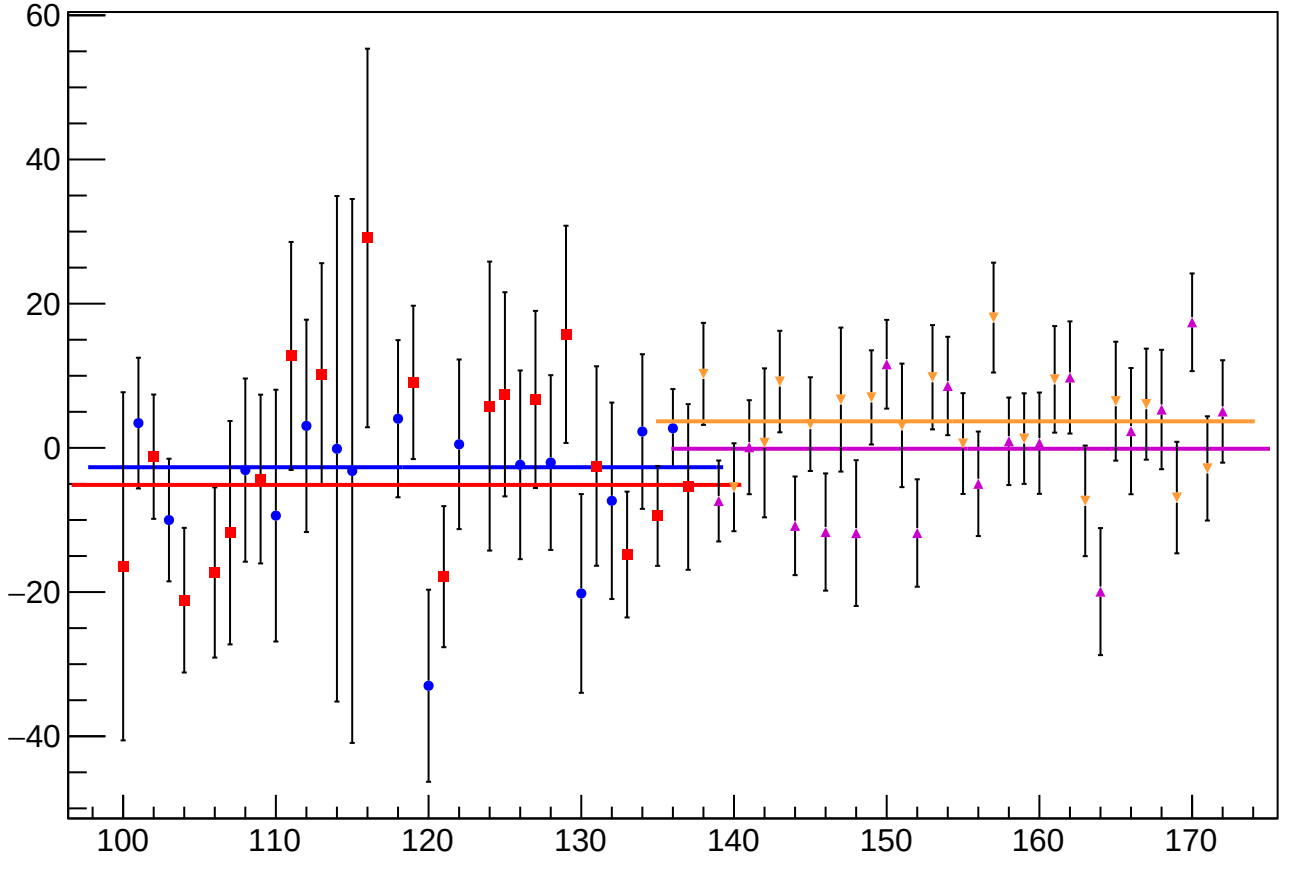
Left: 924.963+/-0.124 χ^2/NDF: 834659.9/34

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 911.814+/-0.141 χ^2/NDF:744782.6/32

Out: 900.477+/-0.138 χ^2/NDF:726041.4/36

All: 906.006+/-0.099 χ^2/NDF: 1474133.2/69



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.681+/-1.735 χ^2/NDF:14.4/17

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -0.125+/-1.734 χ^2/NDF:30.1/16

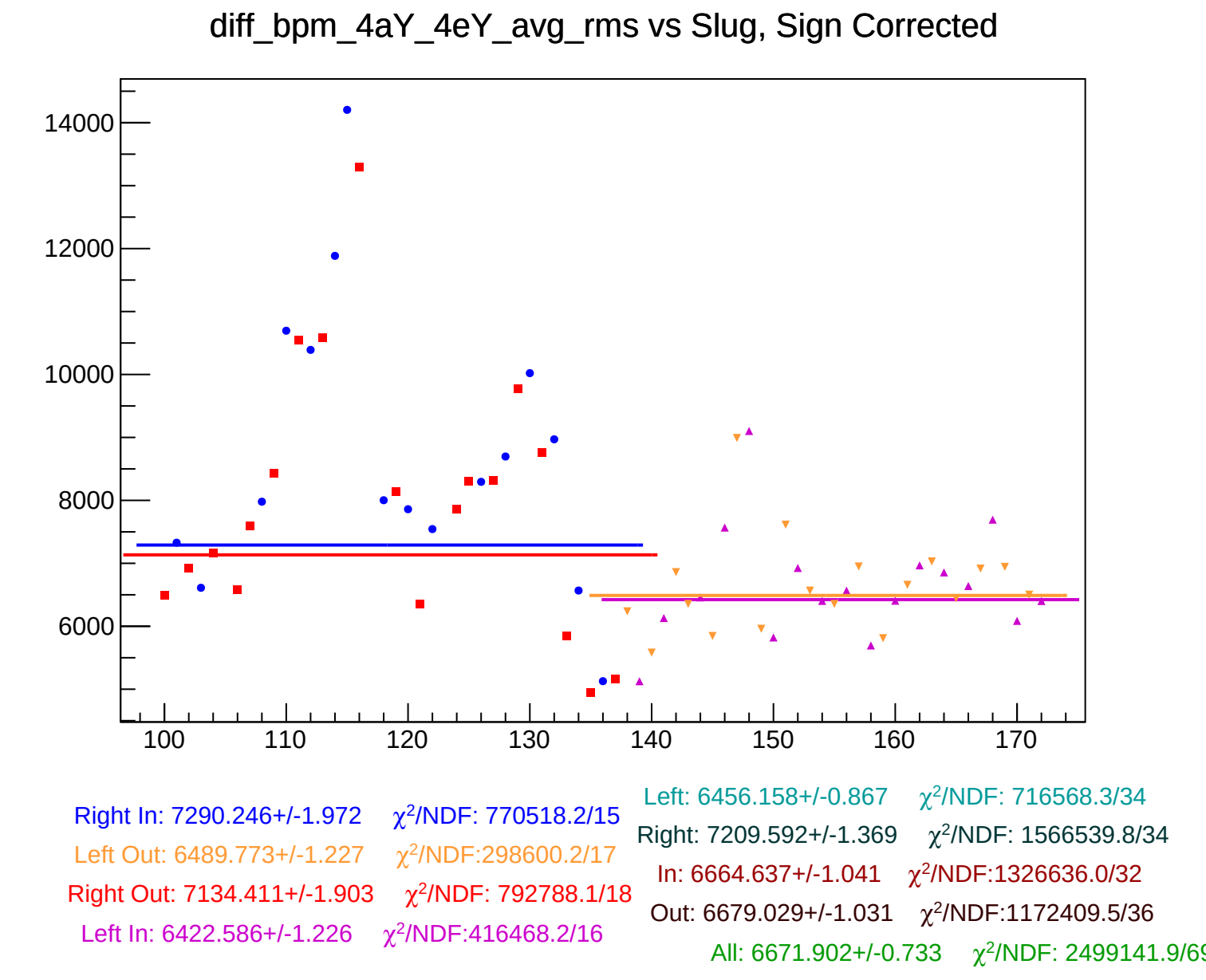
Left: 1.777+/-1.227 χ^2/NDF: 46.9/34

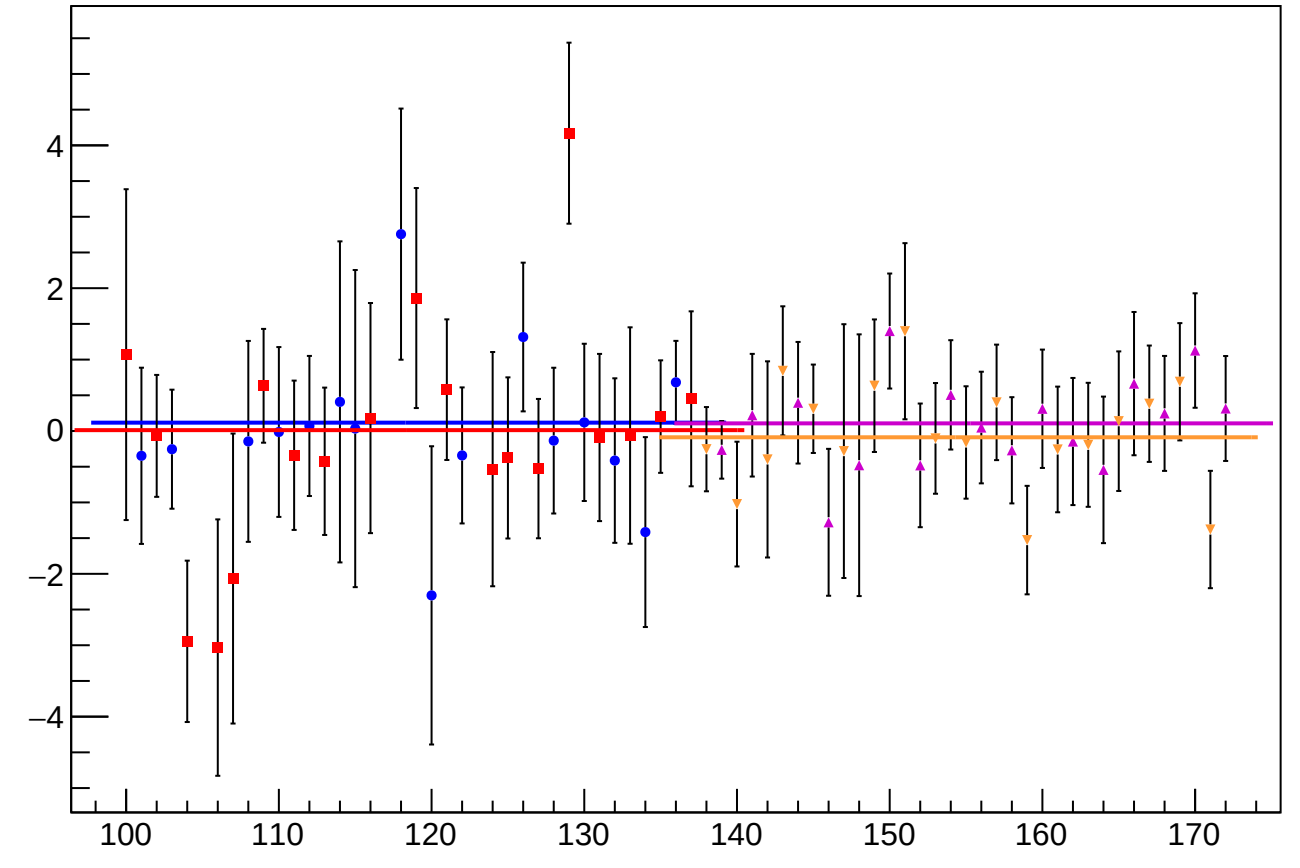
Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -0.838+/-1.473 χ^2/NDF:40.8/32

Out: 1.093+/-1.459 χ^2/NDF:39.2/36

All: 0.136+/-1.036 χ^2/NDF: 80.8/69


diff_bpm_4aY_4eY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
Right In: 7290.246+/-1.972 χ²/NDF: 770518.2/15
Left Out: 6489.773+/-1.227 χ²/NDF:298600.2/17
Right Out: 7134.411+/-1.903 χ²/NDF: 792788.1/18
Left In: 6422.586+/-1.226 χ²/NDF:416468.2/16
Left: 6456.158+/-0.867 χ²/NDF: 716568.3/34
Right: 7209.592+/-1.369 χ²/NDF: 1566539.8/34
In: 6664.637+/-1.041 χ²/NDF:1326636.0/32
Out: 6679.029+/-1.031 χ²/NDF:1172409.5/36
All: 6671.902+/-0.733 χ²/NDF: 2499141.9/69



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.088+/-0.199 χ^2/NDF:12.6/17

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: 0.014+/-0.137 χ^2/NDF: 22.1/34

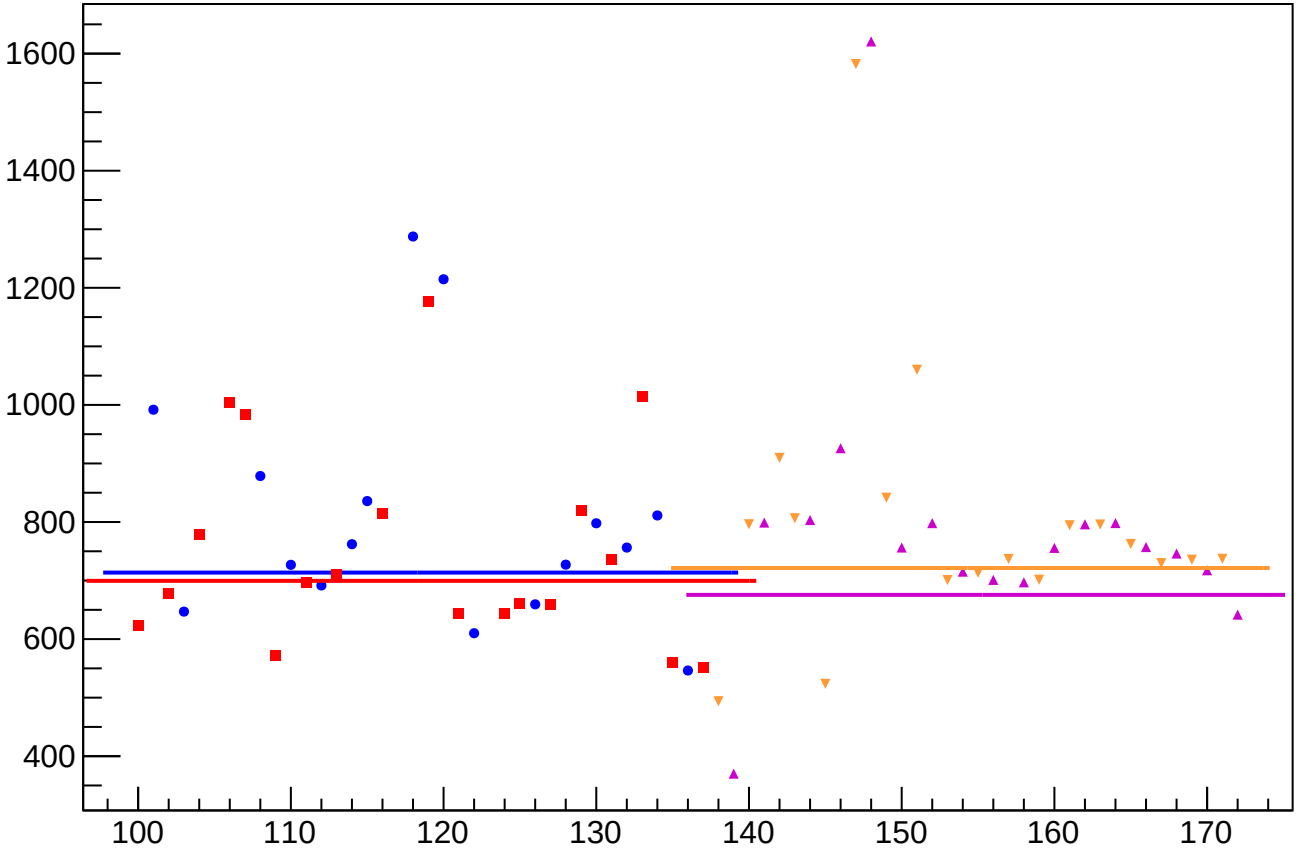
Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.110+/-0.156 χ^2/NDF:17.2/32

Out: -0.052+/-0.159 χ^2/NDF:37.9/36

All: 0.031+/-0.111 χ^2/NDF: 55.5/69

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 721.428+/-0.140 χ^2/NDF:1262525.7/17

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 675.538+/-0.134 χ^2/NDF:2075510.3/16

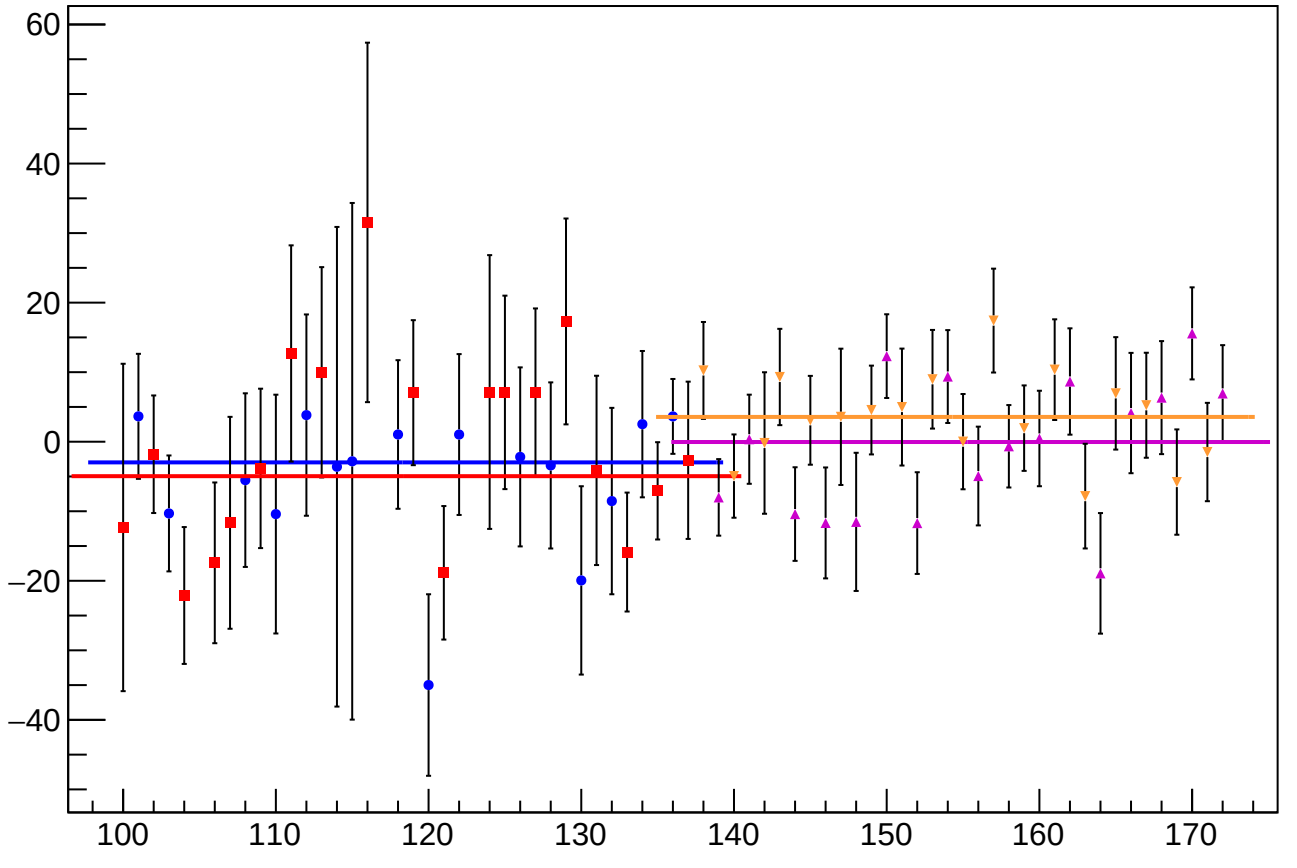
Left: 697.443+/-0.097 χ^2/NDF: 3393860.4/34

Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

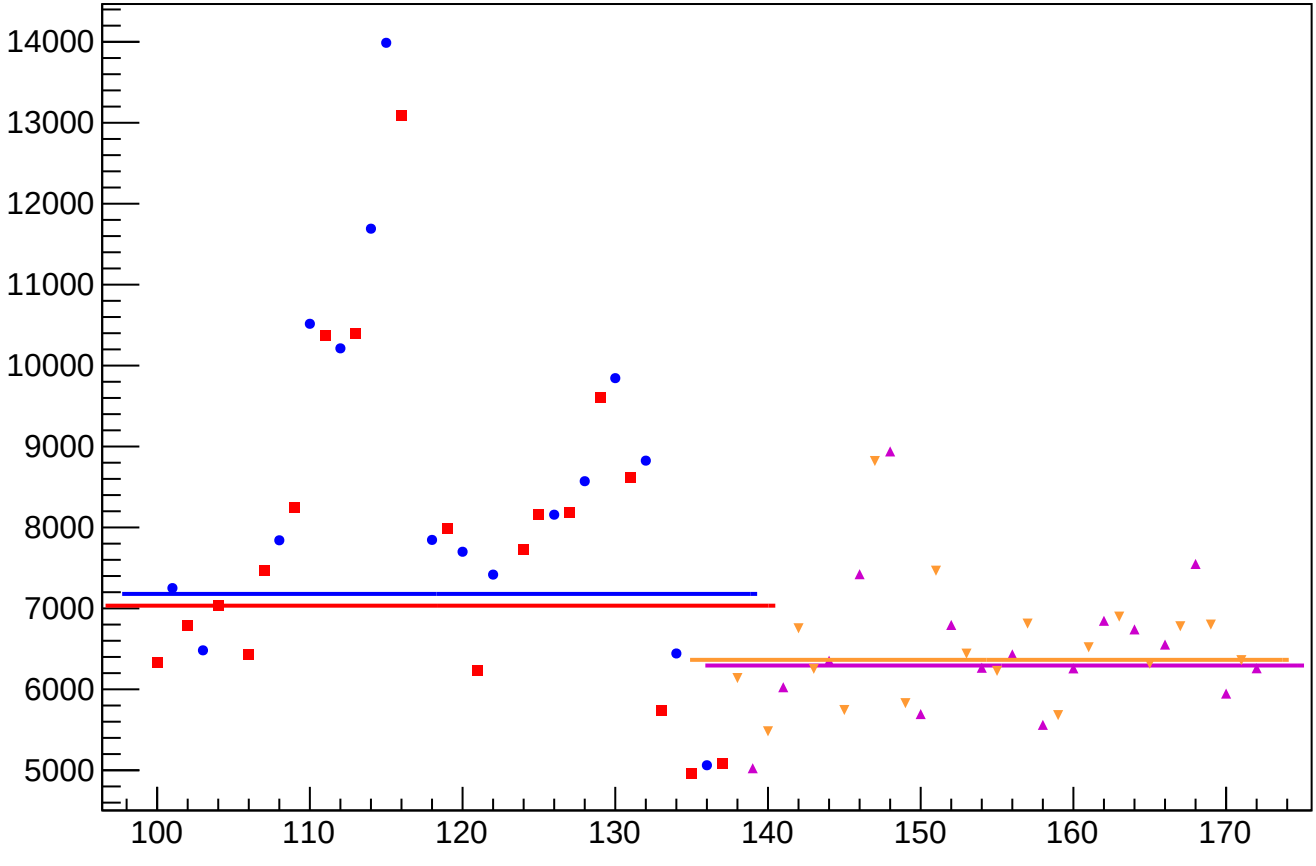
In: 687.937+/-0.110 χ^2/NDF:2801041.3/32

Out: 713.475+/-0.112 χ^2/NDF:1847130.0/36

All: 700.489+/-0.079 χ^2/NDF: 4674564.6/69


diff_bpm_4aY_4ecY_avg_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
Right In: -2.974+/-2.746 χ²/NDF: 11.6/15
Left Out: 3.565+/-1.702 χ²/NDF:13.6/17
Right Out: -4.955+/-2.653 χ²/NDF: 18.5/18
Left In: -0.043+/-1.700 χ²/NDF:30.6/16
Left: 1.759+/-1.203 χ²/NDF: 46.5/34
Right: -3.999+/-1.908 χ²/NDF: 30.3/34
In: -0.855+/-1.446 χ²/NDF:43.0/32
Out: 1.081+/-1.433 χ²/NDF:39.4/36
All: 0.121+/-1.018 χ²/NDF: 83.3/69

diff_bpm_4aY_4ecY_avg_rms vs Slug, Sign Corrected



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6364.253+/-1.204 χ^2/NDF:298512.3/17

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6294.197+/-1.202 χ^2/NDF:423265.7/16

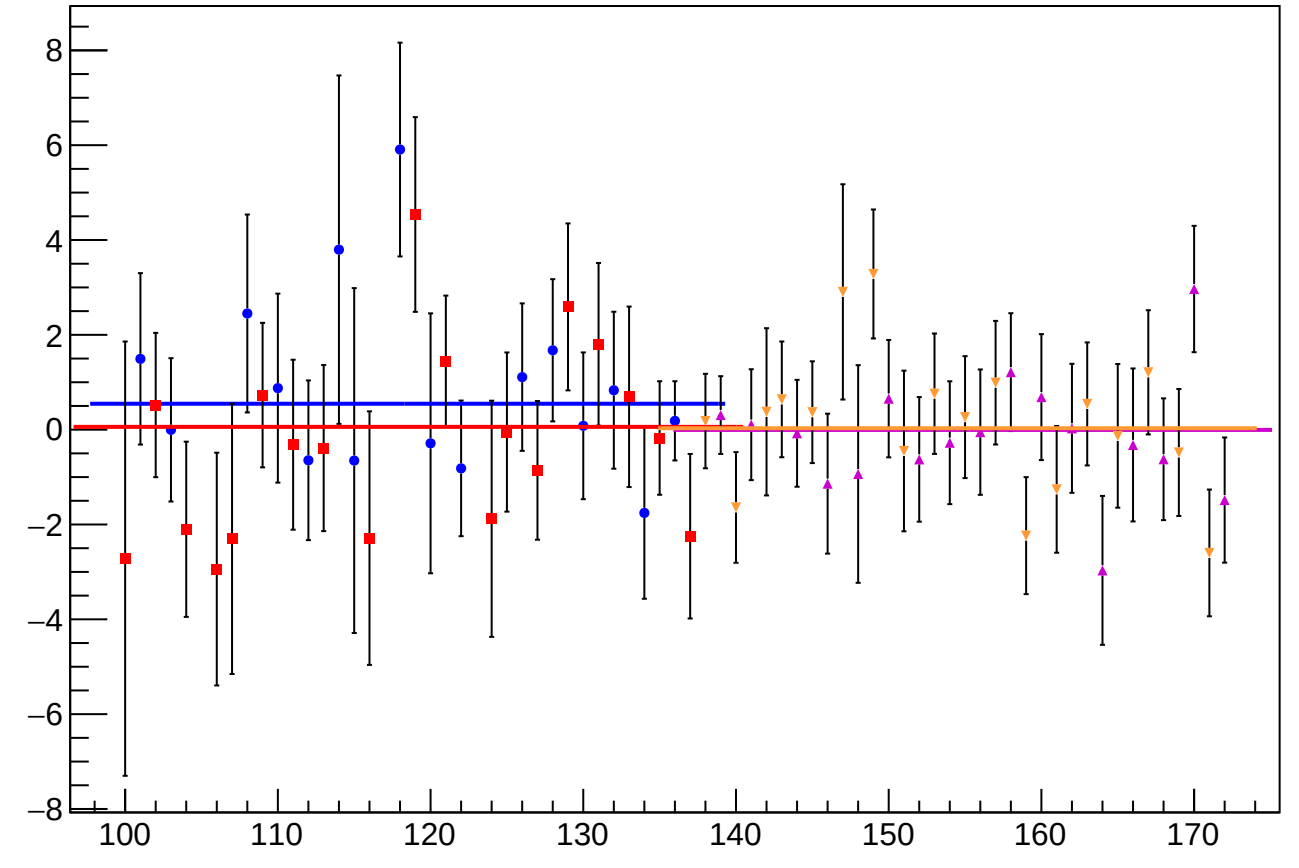
Left: 6329.187+/-0.851 χ^2/NDF: 723474.0/34

Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6539.364+/-1.022 χ^2/NDF:1335275.6/32

Out: 6559.384+/-1.013 χ^2/NDF:1155063.3/36

All: 6549.464+/-0.720 χ^2/NDF: 2490532.4/69



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.030+/-0.309 χ^2/NDF:20.1/17

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: -0.005+/-0.311 χ^2/NDF:12.8/16

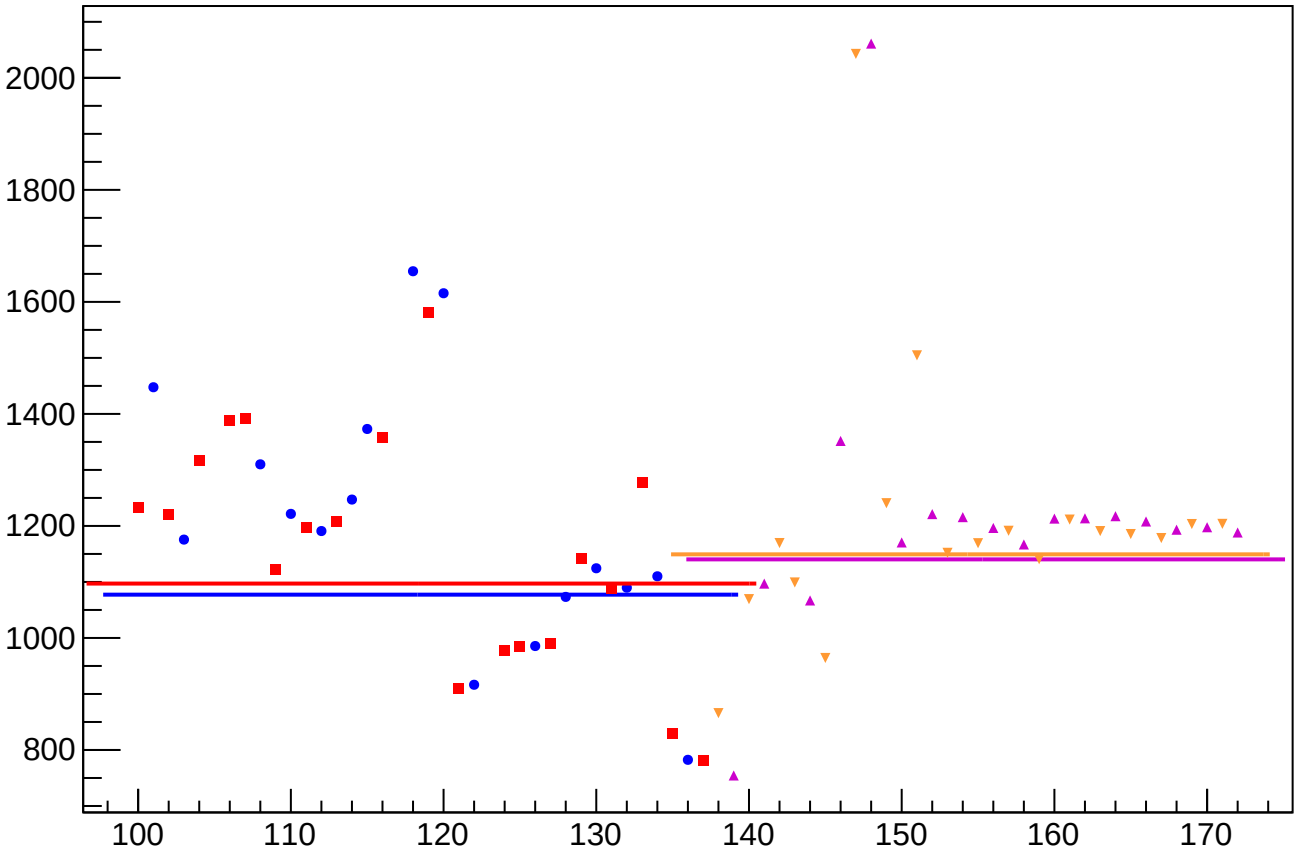
Left: 0.013+/-0.219 χ^2/NDF: 32.8/34

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.196+/-0.248 χ^2/NDF:25.8/32

Out: 0.041+/-0.247 χ^2/NDF:36.9/36

All: 0.118+/-0.175 χ^2/NDF: 63.0/69



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1149.278+/-0.219 χ^2/NDF:658988.1/17

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1140.281+/-0.220 χ^2/NDF:866954.3/16

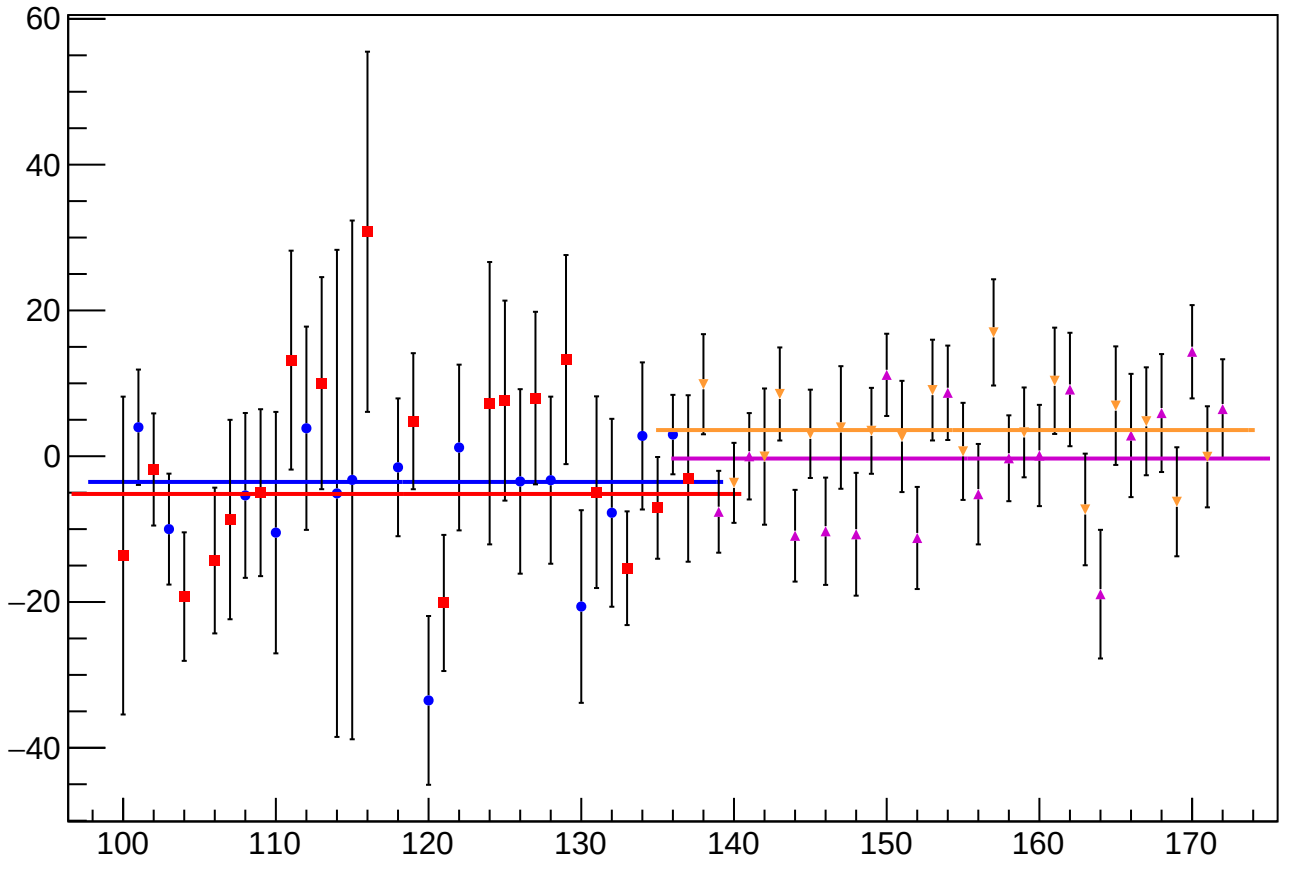
Left: 1144.802+/-0.155 χ^2/NDF: 1526783.8/34

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1117.347+/-0.175 χ^2/NDF:1543349.7/32

Out: 1130.281+/-0.174 χ^2/NDF:1164065.9/36

All: 1123.847+/-0.124 χ^2/NDF: 2710150.3/69



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.589+/-1.635 χ^2/NDF:12.6/17

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -0.317+/-1.647 χ^2/NDF:29.8/16

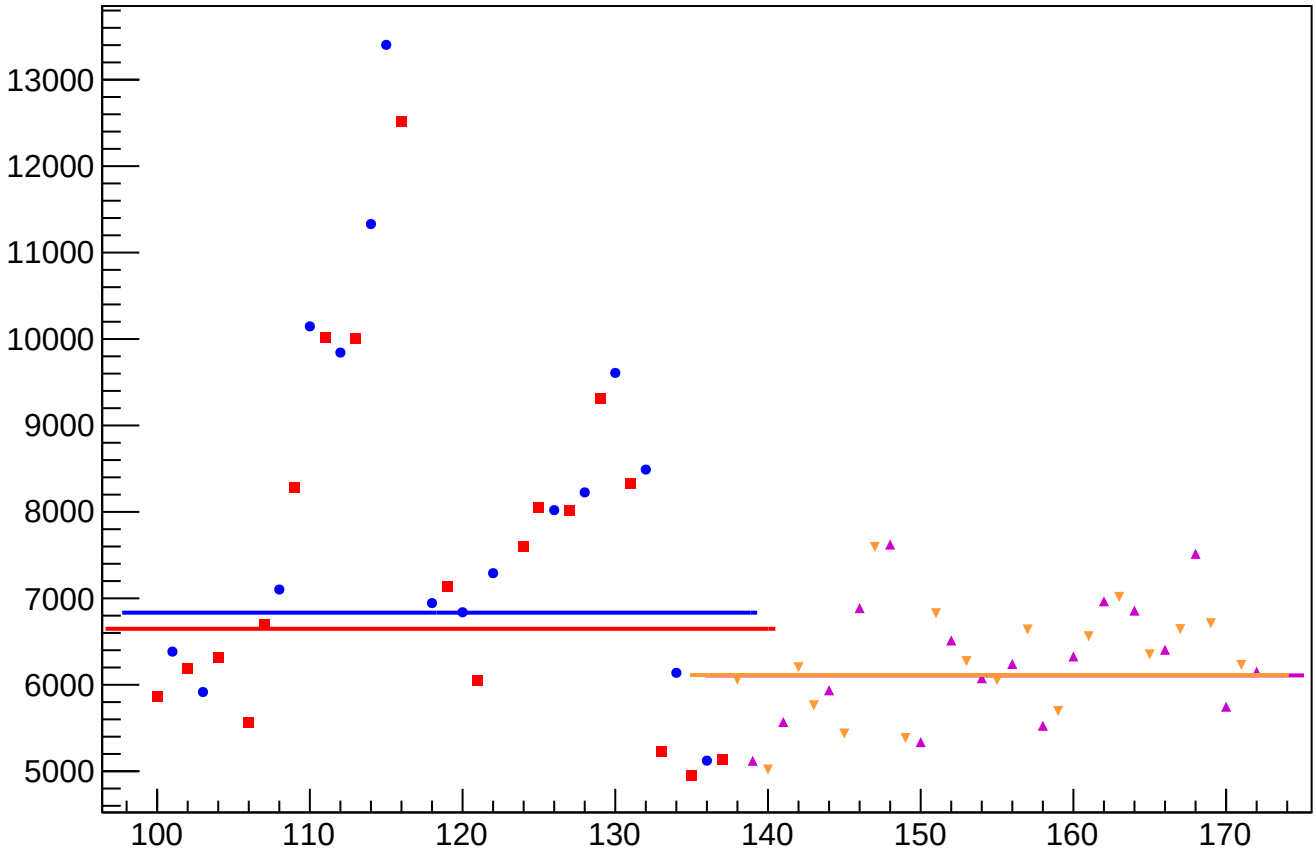
Left: 1.651+/-1.160 χ^2/NDF: 45.3/34

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -1.232+/-1.392 χ^2/NDF:43.5/32

Out: 0.976+/-1.369 χ^2/NDF:39.4/36

All: -0.110+/-0.976 χ^2/NDF: 84.2/69



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6112.992+/-1.156 χ^2/NDF:302529.4/17

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 6108.612+/-1.164 χ^2/NDF:341324.0/16

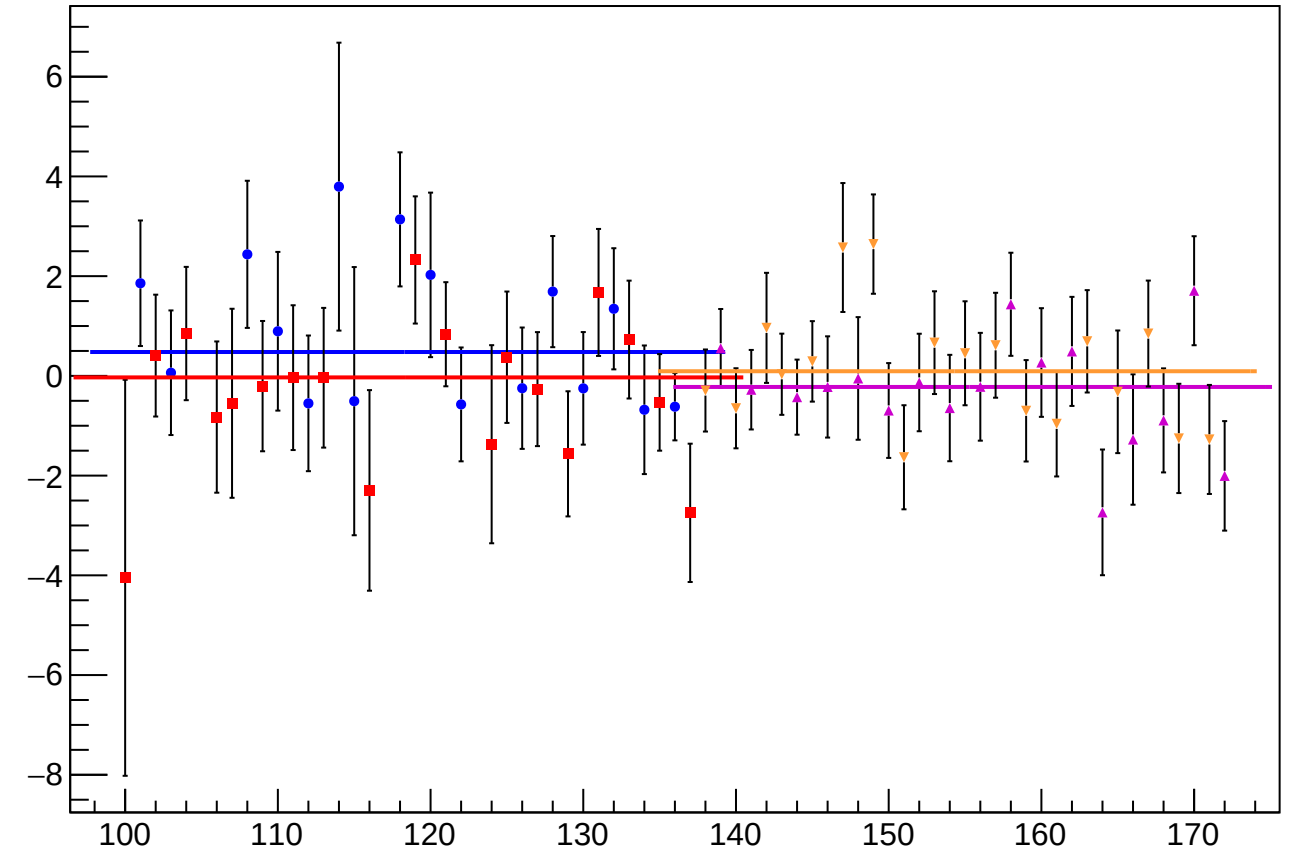
Left: 6110.818+/-0.820 χ^2/NDF: 643860.6/34

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6315.475+/-0.985 χ^2/NDF:1144760.3/32

Out: 6272.496+/-0.968 χ^2/NDF:1151510.9/36

All: 6293.626+/-0.690 χ^2/NDF: 2297239.8/69



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.093+/-0.234 χ^2/NDF:21.0/17

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: -0.059+/-0.169 χ^2/NDF: 37.4/34

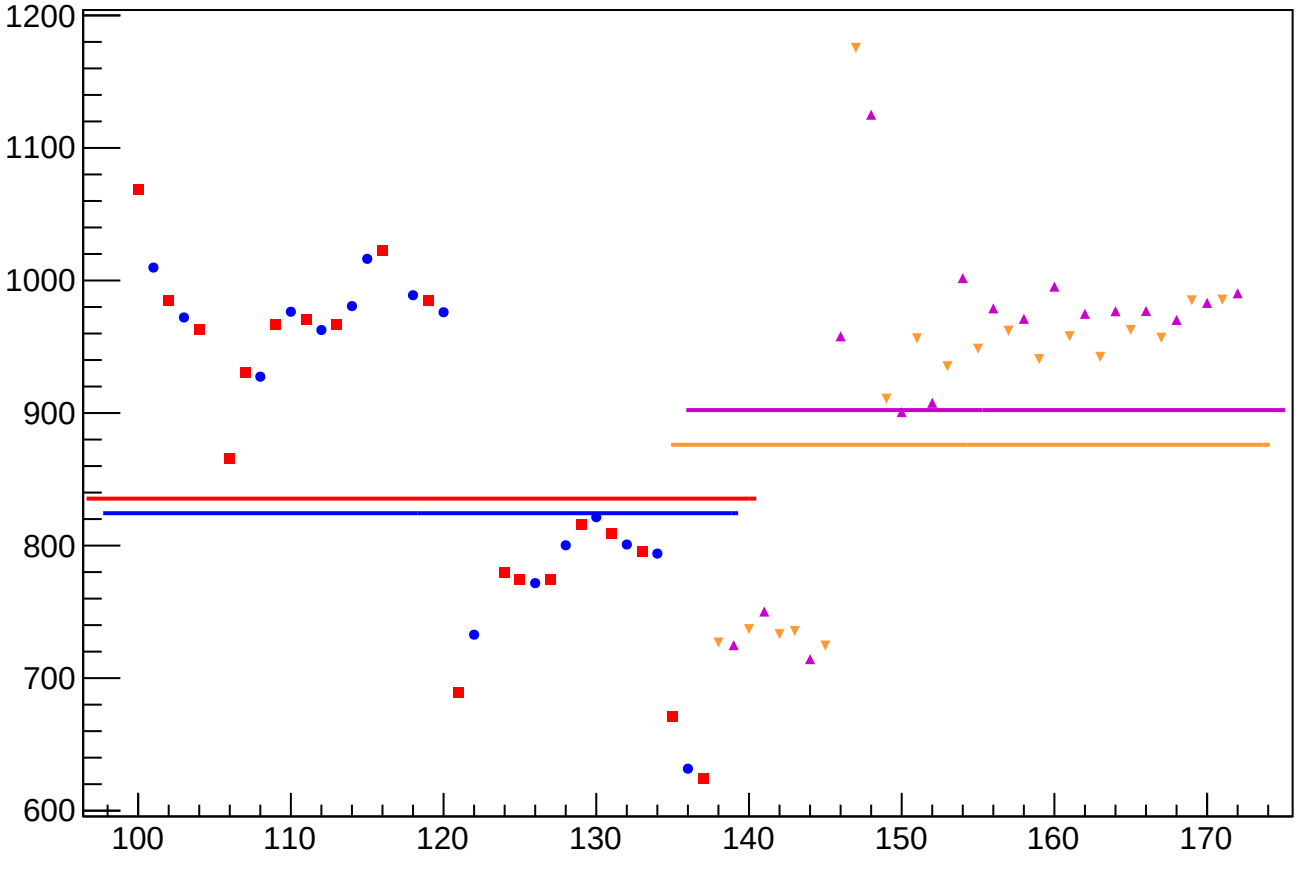
Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.044+/-0.192 χ^2/NDF:35.4/32

Out: 0.048+/-0.187 χ^2/NDF:36.9/36

All: 0.046+/-0.134 χ^2/NDF: 72.2/69

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 876.057+/-0.166 χ^2/NDF:530273.9/17

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 902.237+/-0.172 χ^2/NDF:476009.0/16

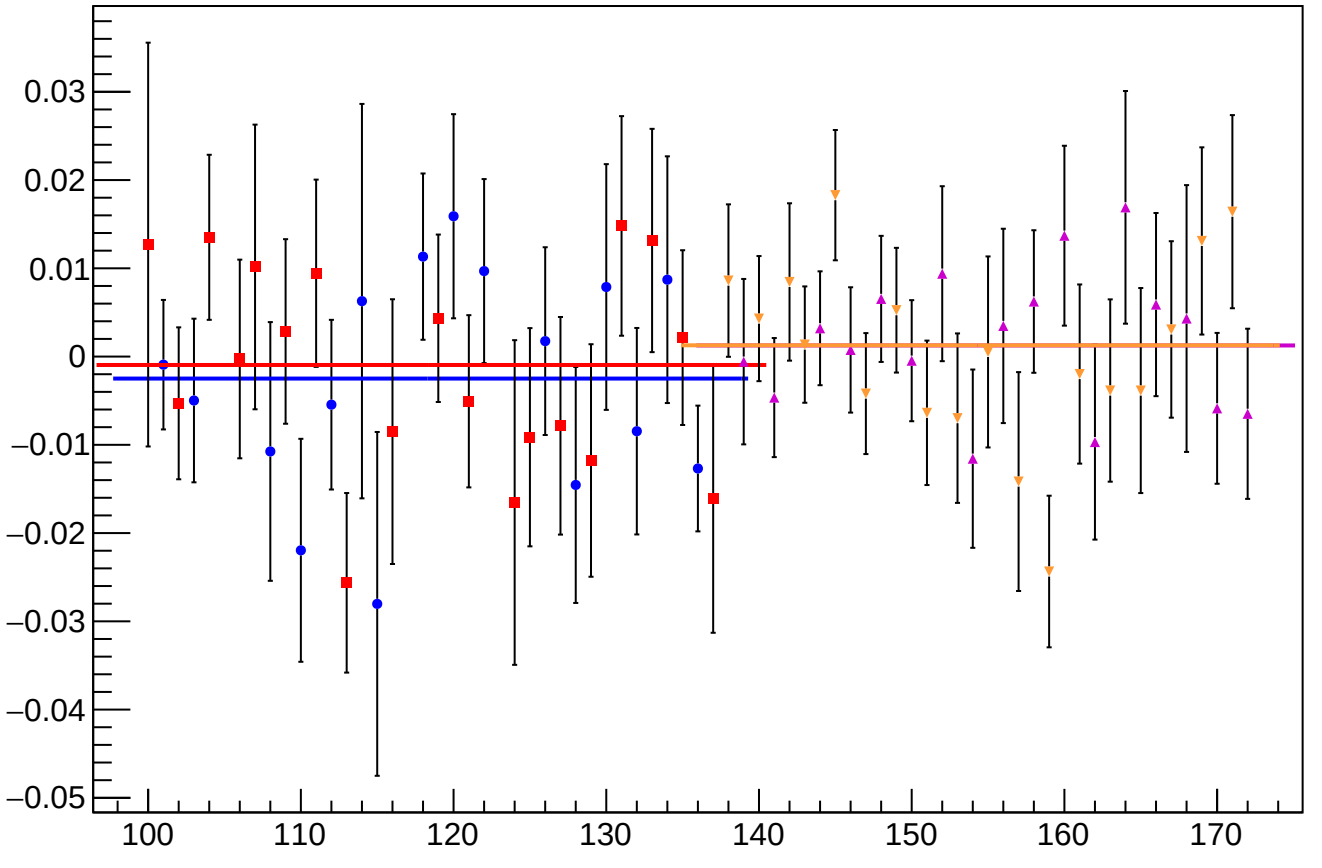
Left: 888.650+/-0.119 χ^2/NDF: 1018291.3/34

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 872.657+/-0.136 χ^2/NDF:919164.2/32

Out: 861.197+/-0.132 χ^2/NDF:871559.3/36

All: 866.775+/-0.095 χ^2/NDF: 1794394.5/69



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.001+/-0.002 χ^2/NDF:23.6/17

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: 33.3/34

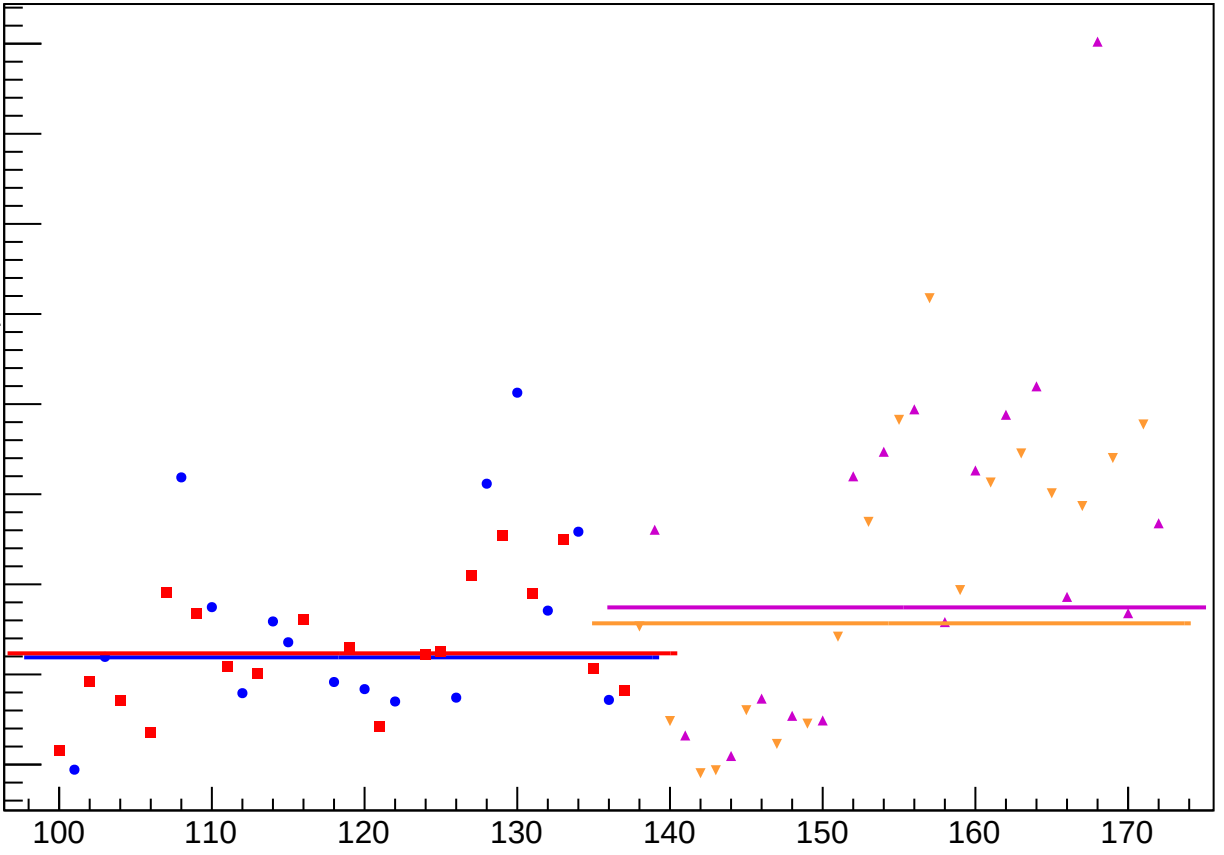
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.000+/-0.002 χ^2/NDF:26.2/32

Out: 0.000+/-0.002 χ^2/NDF:41.4/36

All: 0.000+/-0.001 χ^2/NDF: 67.6/69

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.567+/-0.001 χ^2/NDF:1007064.2/17

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: 7.653+/-0.001 χ^2/NDF: 2149538.3/34

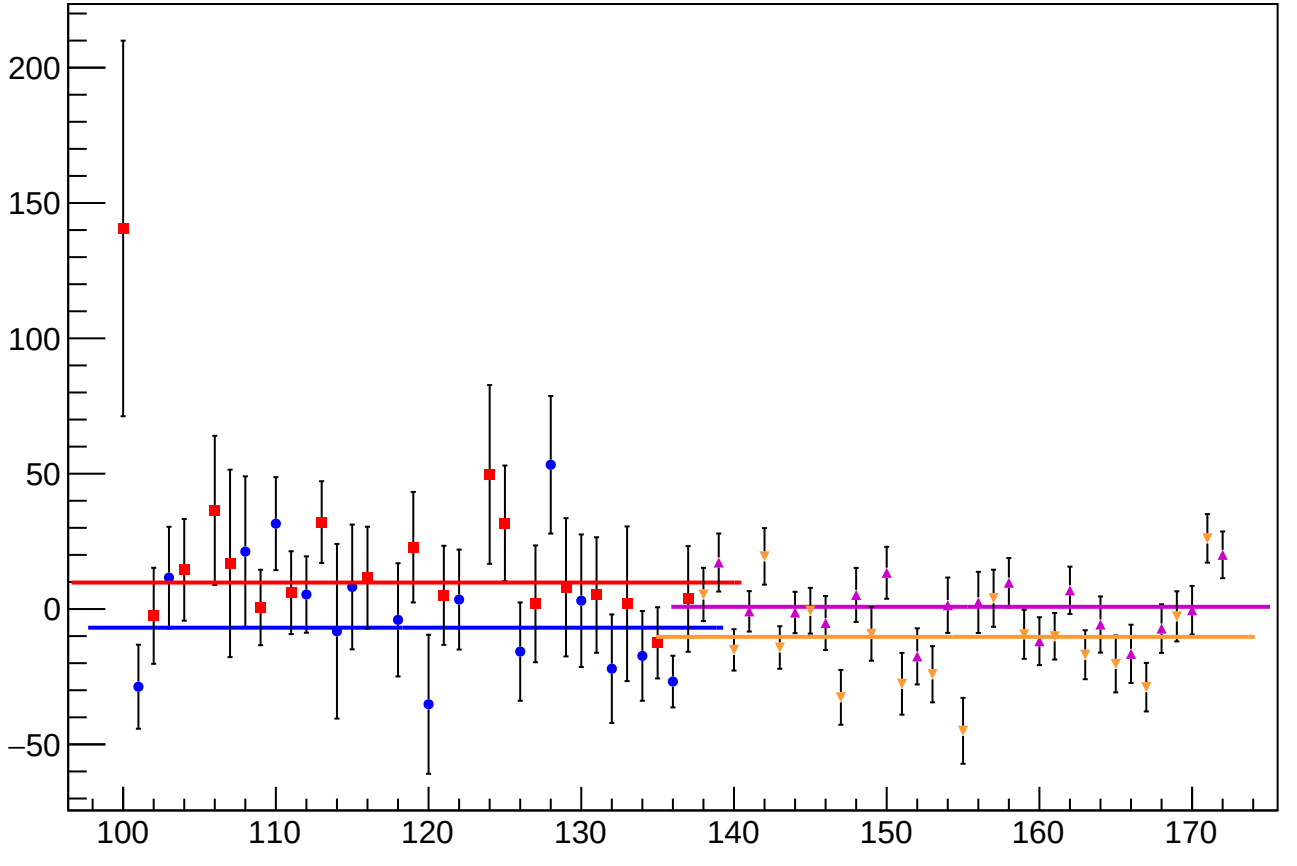
Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.534+/-0.001 χ^2/NDF:1464950.2/32

Out: 7.443+/-0.001 χ^2/NDF:1132961.2/36

All: 7.487+/-0.001 χ^2/NDF: 2600980.0/69

diff_targ_positionX_mean vs Slug, Sign Corrected



Right In: -6.891+/-4.488 χ^2/NDF: 23.0/15

Left Out: -10.270+/-2.220 χ^2/NDF:54.3/17

Right Out: 9.790+/-4.517 χ^2/NDF: 14.0/18

Left In: 0.823+/-2.262 χ^2/NDF:20.1/16

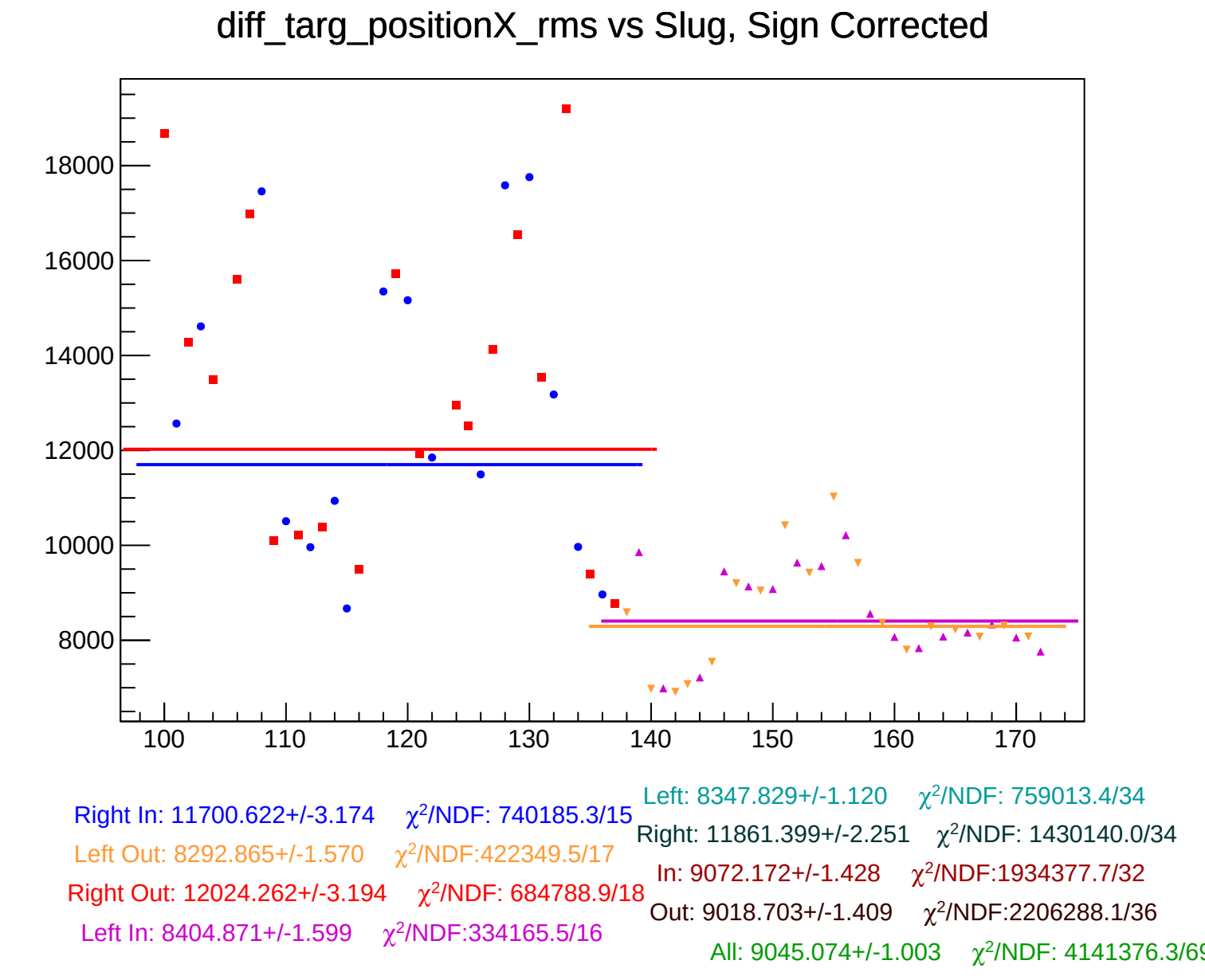
Left: -4.826+/-1.584 χ^2/NDF: 86.7/34

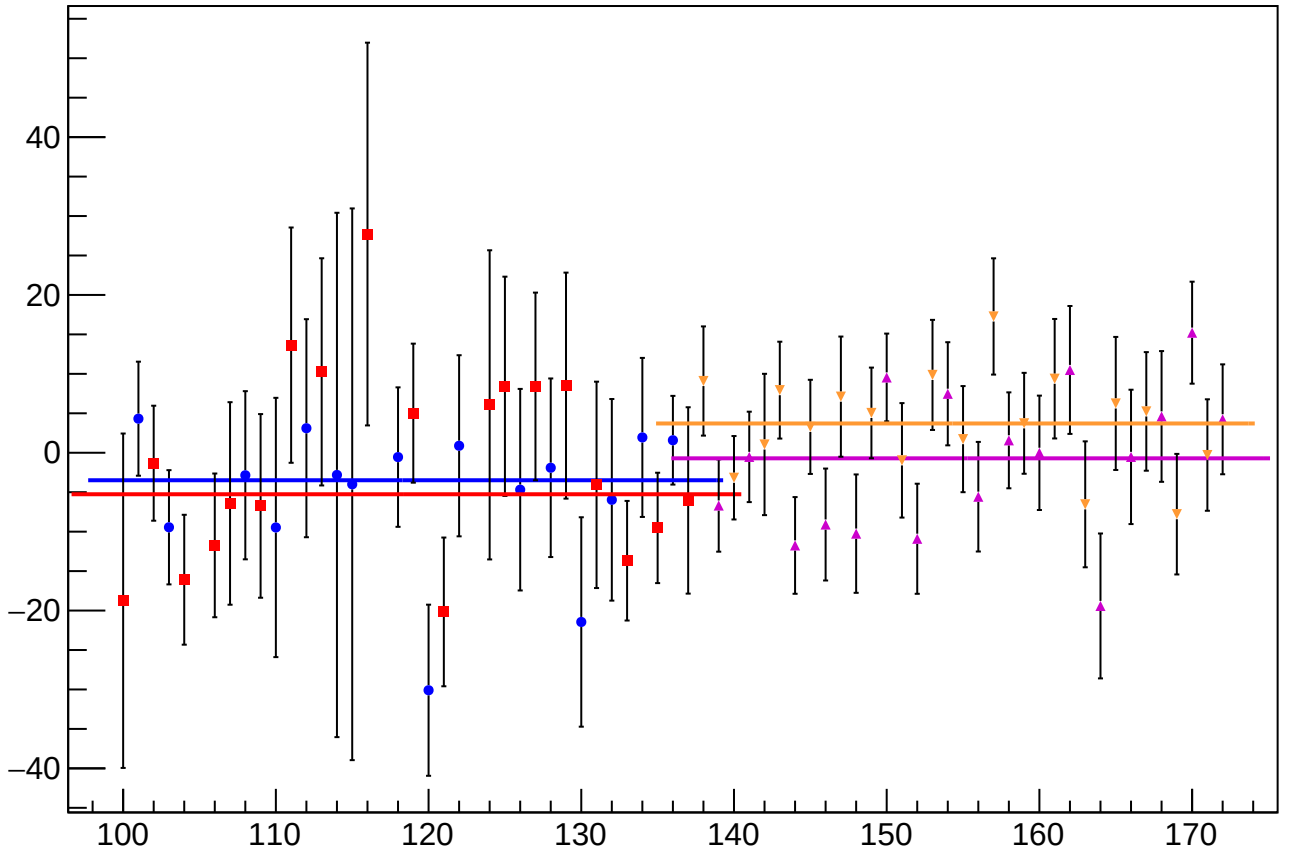
Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: -0.739+/-2.020 χ^2/NDF:45.5/32

Out: -6.368+/-1.992 χ^2/NDF:84.2/36

All: -3.592+/-1.418 χ^2/NDF: 133.7/69


diff_targ_positionX_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 11700.622+/-3.174 χ²/NDF: 740185.3/15
Left Out: 8292.865+/-1.570 χ²/NDF:422349.5/17
Right Out: 12024.262+/-3.194 χ²/NDF: 684788.9/18
Left In: 8404.871+/-1.599 χ²/NDF:334165.5/16
Left: 8347.829+/-1.120 χ²/NDF: 759013.4/34
Right: 11861.399+/-2.251 χ²/NDF: 1430140.0/34
In: 9072.172+/-1.428 χ²/NDF:1934377.7/32
Out: 9018.703+/-1.409 χ²/NDF:2206288.1/36
All: 9045.074+/-1.003 χ²/NDF: 4141376.3/69



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.711+/-1.627 χ^2/NDF:12.7/17

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: 1.534+/-1.159 χ^2/NDF: 44.4/34

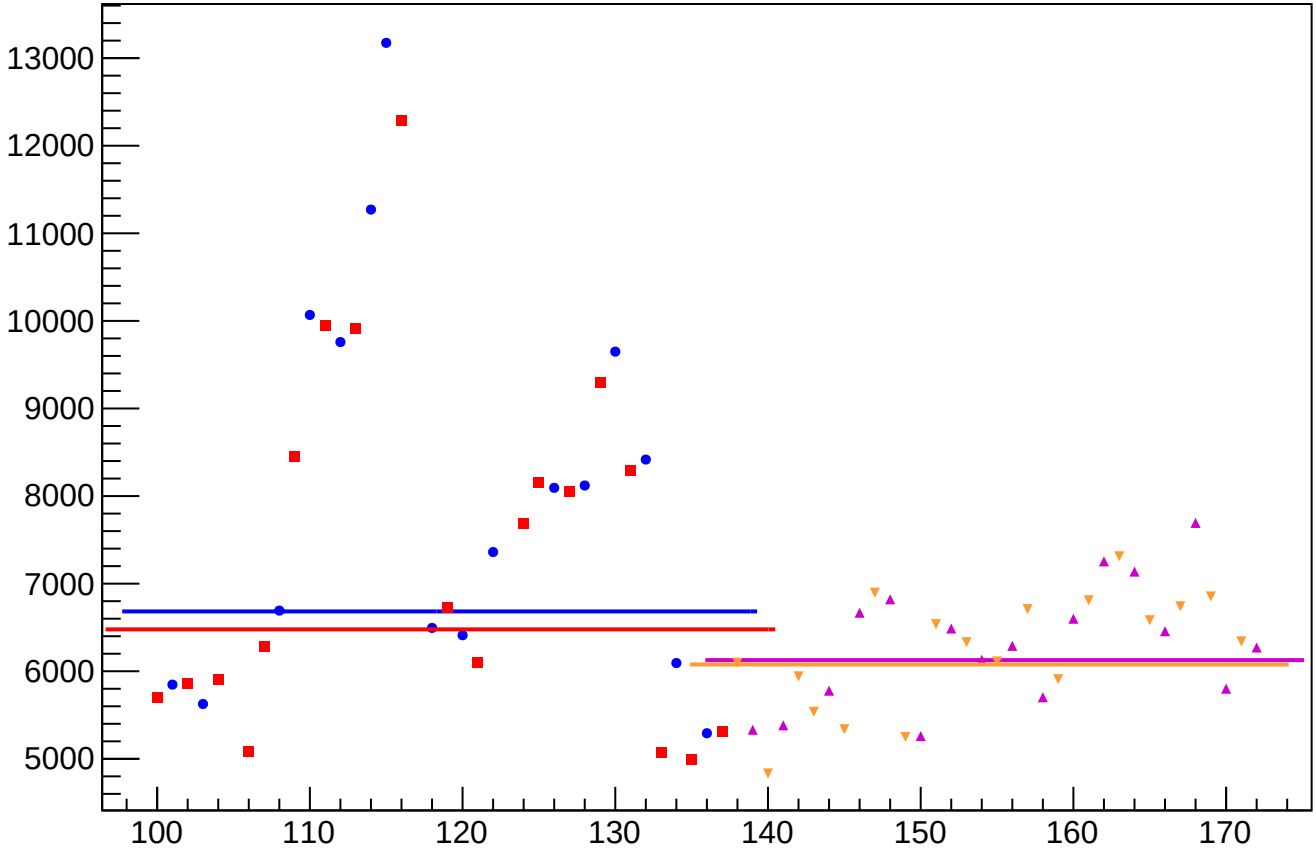
Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -1.528+/-1.385 χ^2/NDF:40.4/32

Out: 0.961+/-1.355 χ^2/NDF:38.6/36

All: -0.255+/-0.969 χ^2/NDF: 80.7/69

diff_targ_positionY_rms vs Slug, Sign Corrected



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 6077.375+/-1.150 χ^2/NDF:361752.9/17

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: 6101.899+/-0.819 χ^2/NDF: 685334.5/34

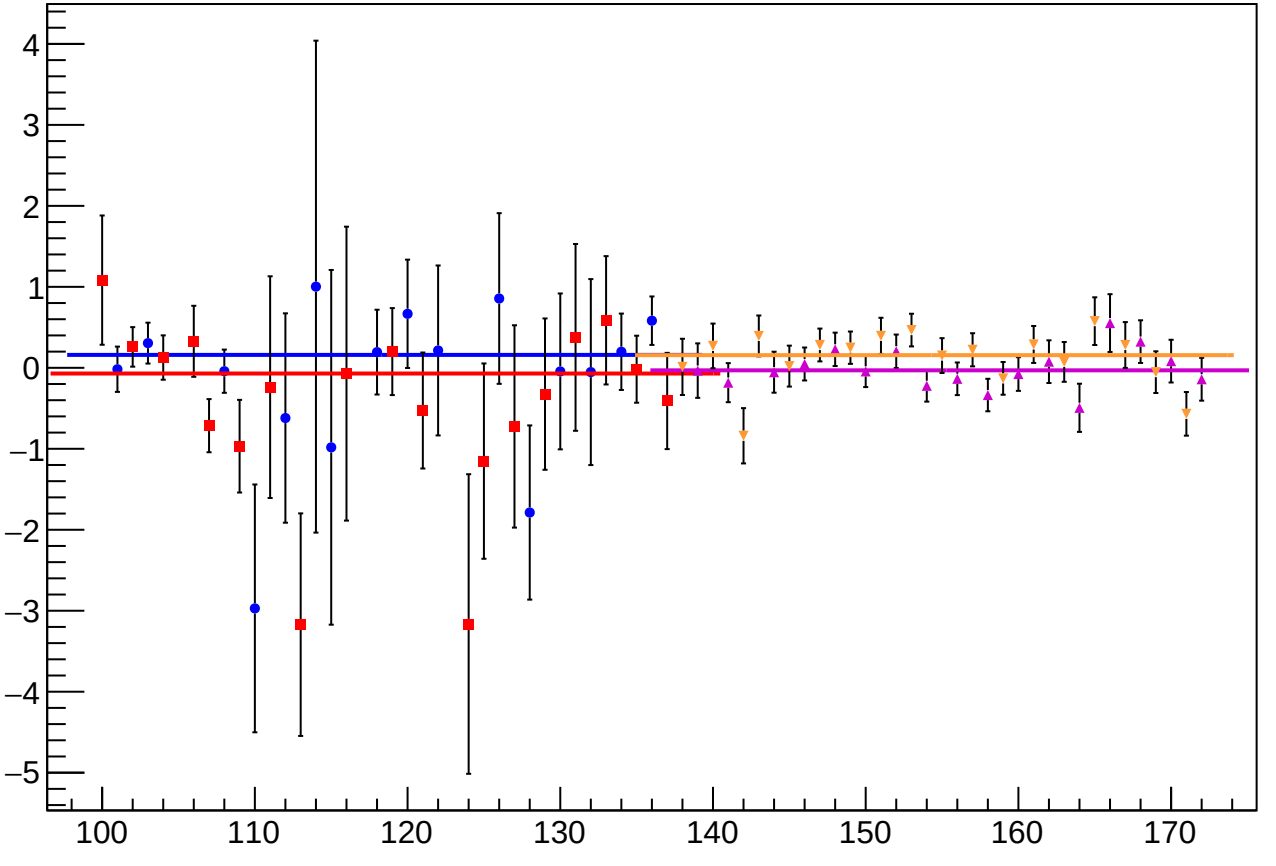
Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6291.280+/-0.980 χ^2/NDF:1081845.8/32

Out: 6200.237+/-0.958 χ^2/NDF:1238197.2/36

All: 6244.729+/-0.685 χ^2/NDF: 2324458.6/69

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.156+/-0.056 χ^2/NDF:26.8/17

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: 0.063+/-0.040 χ^2/NDF: 46.8/34

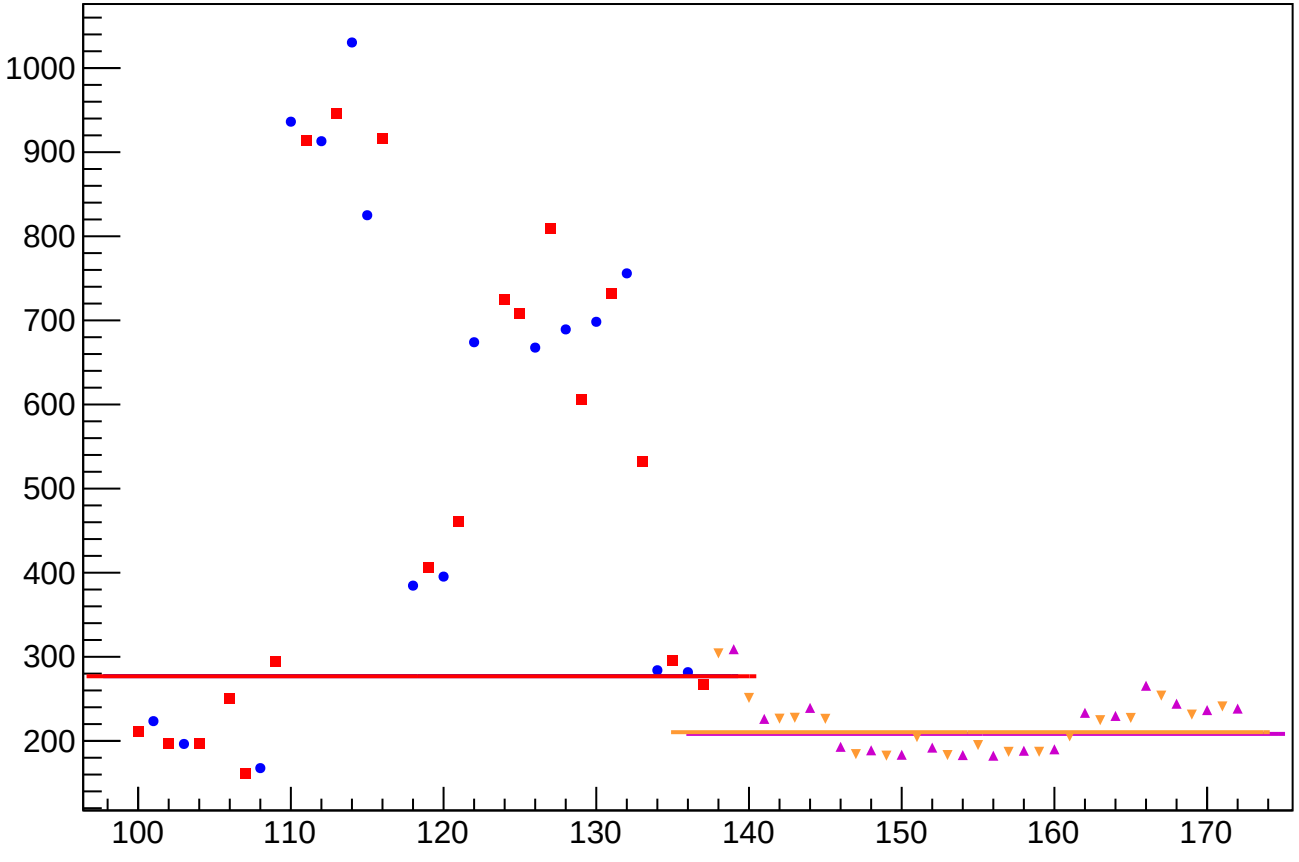
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: 0.004+/-0.051 χ^2/NDF:29.1/32

Out: 0.115+/-0.051 χ^2/NDF:52.2/36

All: 0.059+/-0.036 χ^2/NDF: 83.7/69

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 210.367+/-0.040 χ^2/NDF:484419.2/17

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: 209.357+/-0.028 χ^2/NDF: 1047940.1/34

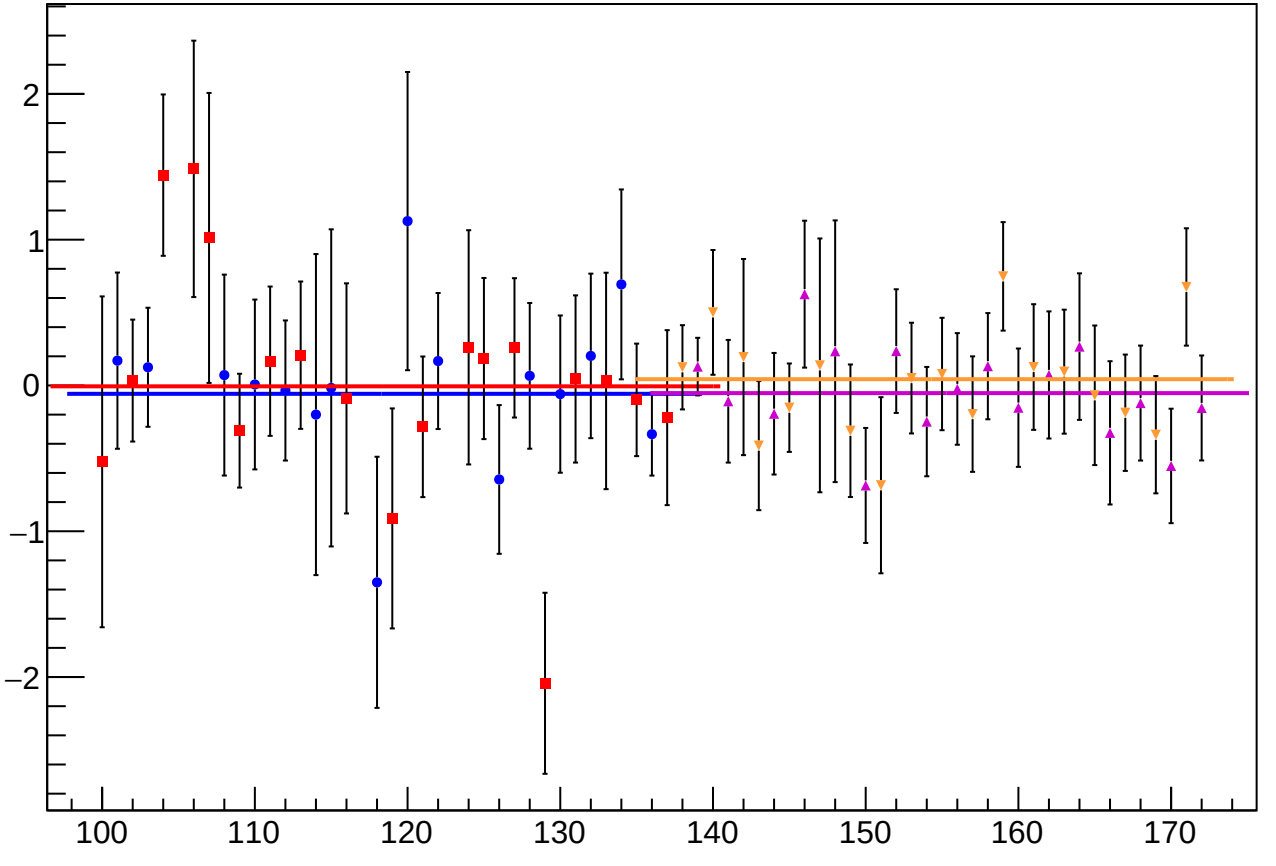
Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 220.832+/-0.036 χ^2/NDF:4552380.8/32

Out: 222.455+/-0.036 χ^2/NDF:4561105.5/36

All: 221.643+/-0.026 χ^2/NDF: 9114498.5/69

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.043+/-0.097 χ^2/NDF:12.6/17

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: -0.007+/-0.067 χ^2/NDF: 22.1/34

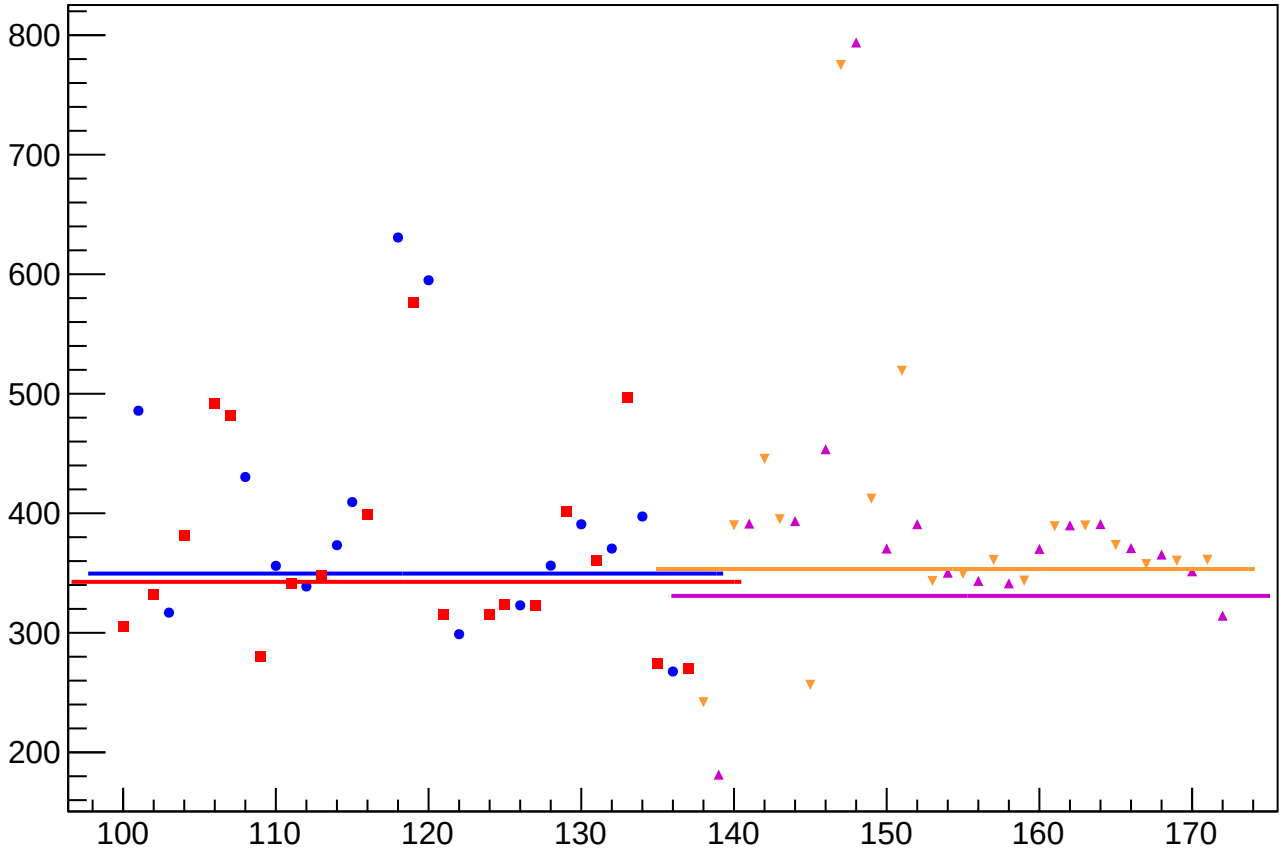
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: -0.054+/-0.076 χ^2/NDF:17.2/32

Out: 0.025+/-0.078 χ^2/NDF:37.9/36

All: -0.015+/-0.054 χ^2/NDF: 55.5/69

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 353.381+/-0.069 χ^2/NDF:1262525.7/17

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: 341.633+/-0.048 χ^2/NDF: 3393860.4/34

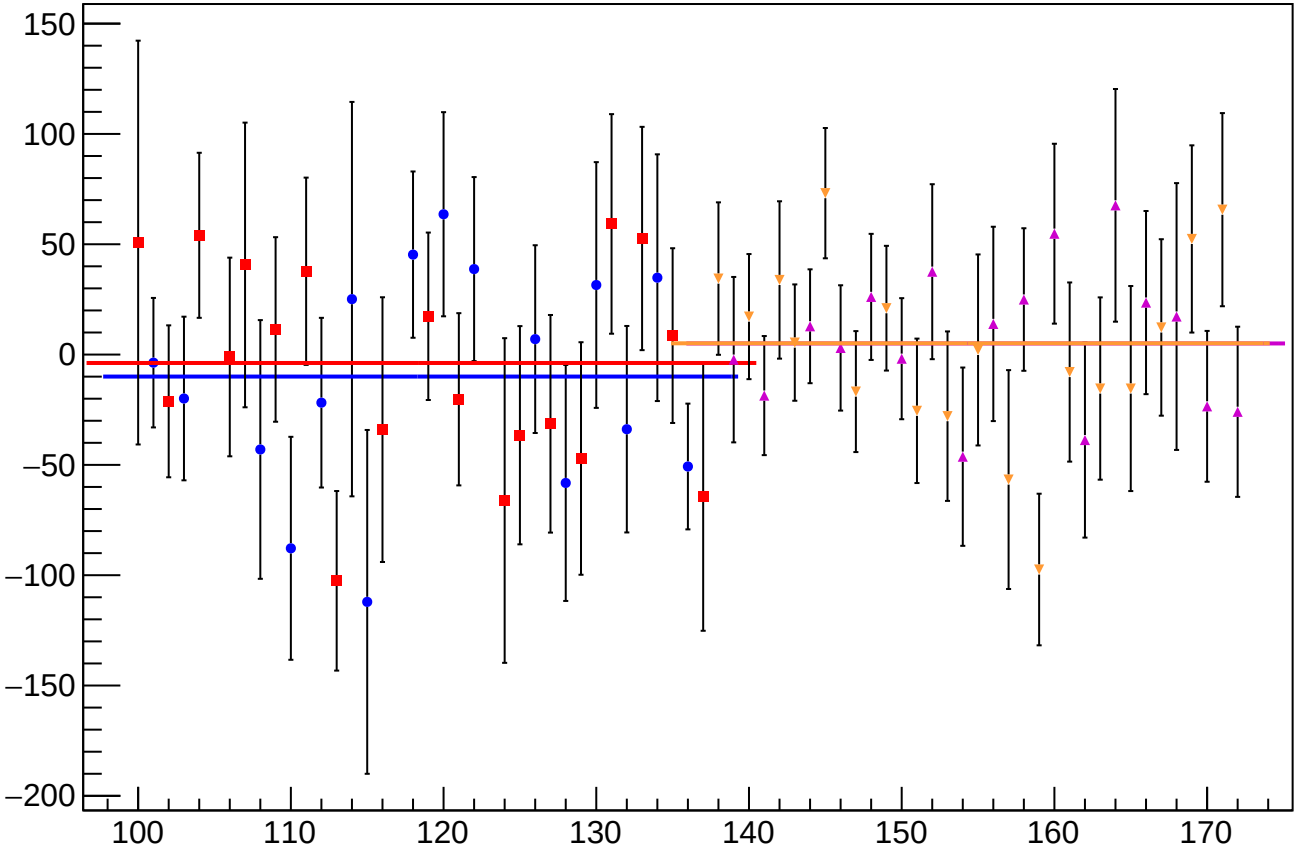
Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 336.976+/-0.054 χ^2/NDF:2801041.3/32

Out: 349.486+/-0.055 χ^2/NDF:1847130.0/36

All: 343.125+/-0.038 χ^2/NDF: 4674564.6/69

diff_bpmE_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 5.104+/-8.222 χ^2/NDF:23.6/17

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 5.039+/-8.465 χ^2/NDF:9.7/16

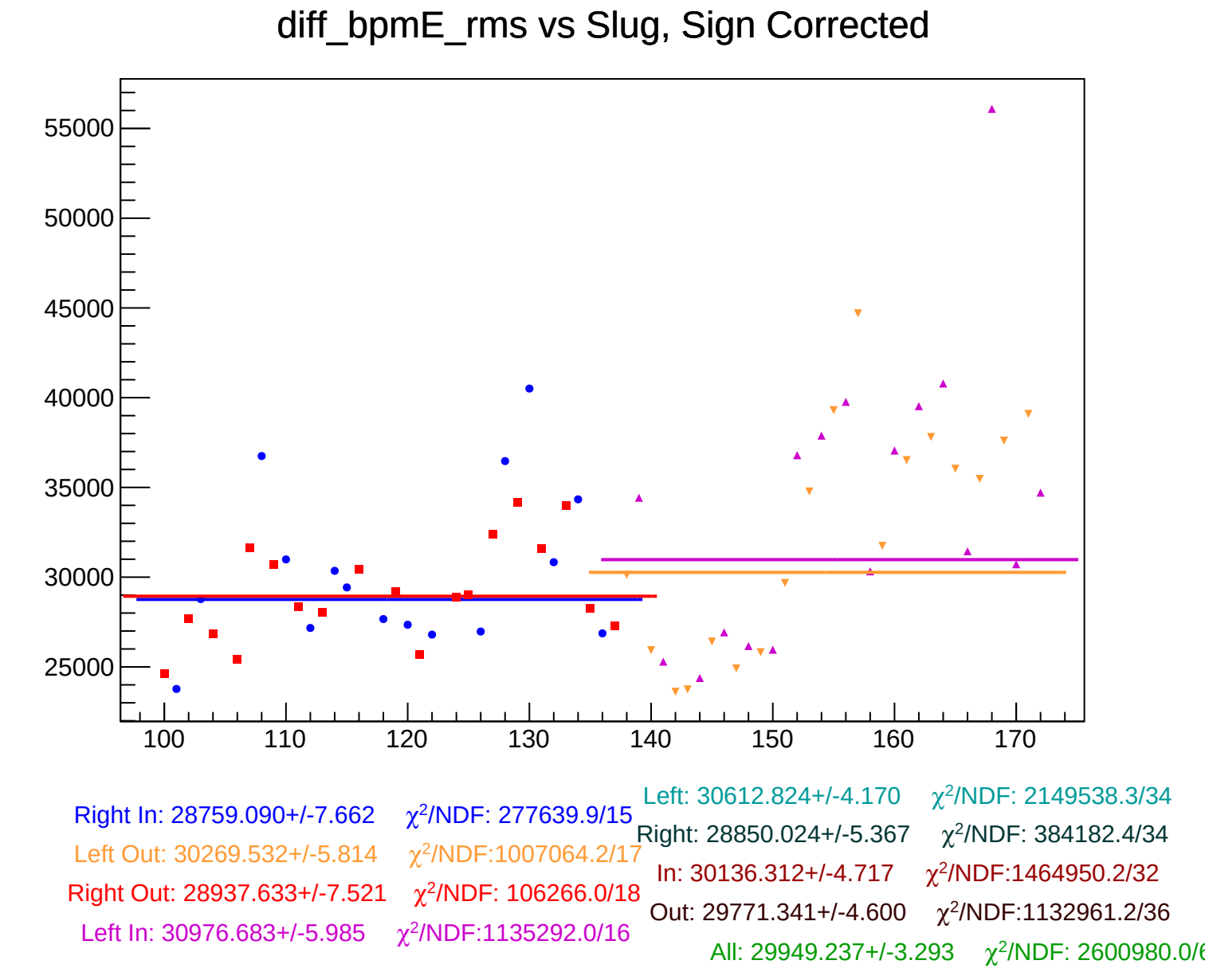
Left: 5.073+/-5.898 χ^2/NDF: 33.3/34

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

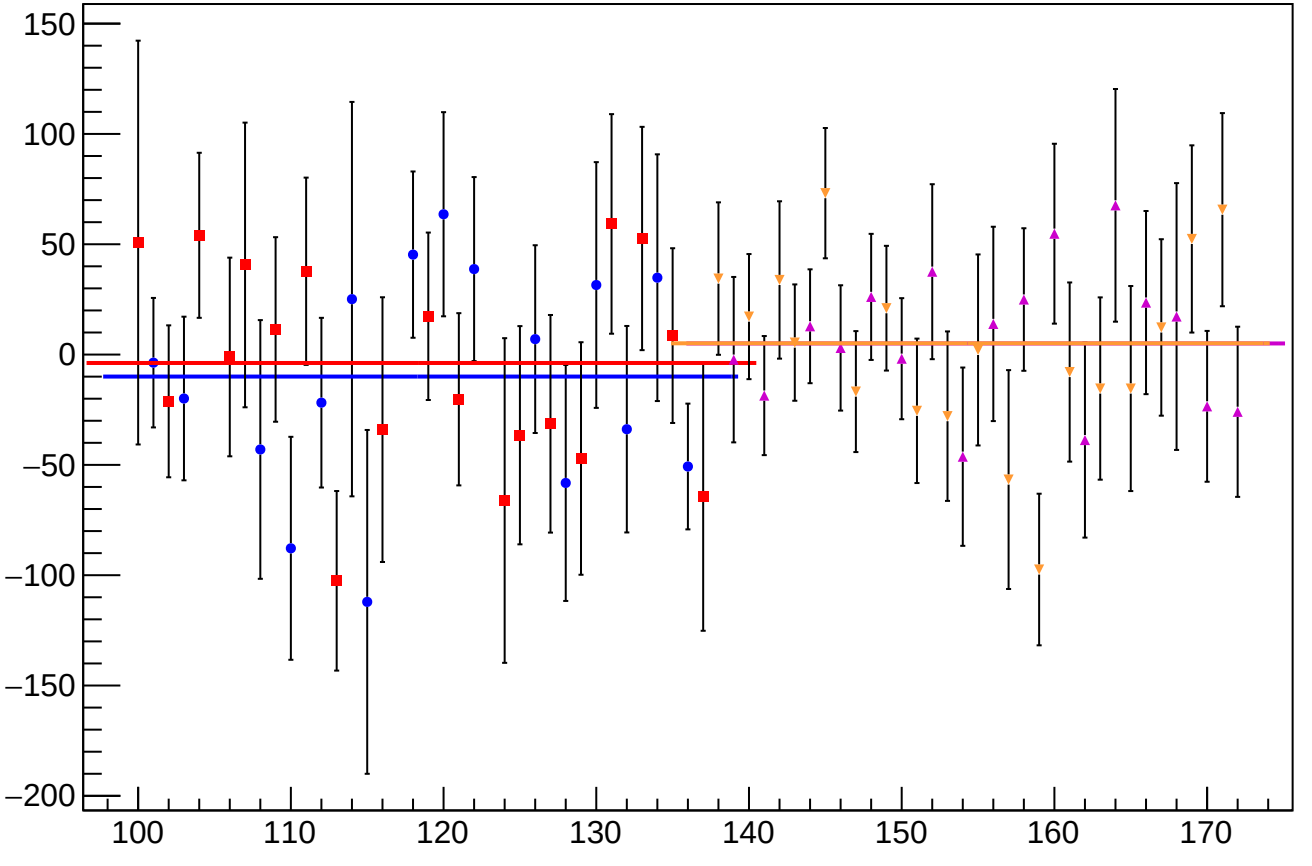
In: -0.648+/-6.671 χ^2/NDF:26.2/32

Out: 1.769+/-6.505 χ^2/NDF:41.4/36

All: 0.591+/-4.657 χ^2/NDF: 67.6/69


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: 30269.532+/-5.814 χ²/NDF:1007064.2/17
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 30976.683+/-5.985 χ²/NDF:1135292.0/16
Left: 30612.824+/-4.170 χ²/NDF: 2149538.3/34
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30136.312+/-4.717 χ²/NDF:1464950.2/32
Out: 29771.341+/-4.600 χ²/NDF:1132961.2/36
All: 29949.237+/-3.293 χ²/NDF: 2600980.0/6

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 5.104+/-8.222 χ^2/NDF:23.6/17

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 5.039+/-8.465 χ^2/NDF:9.7/16

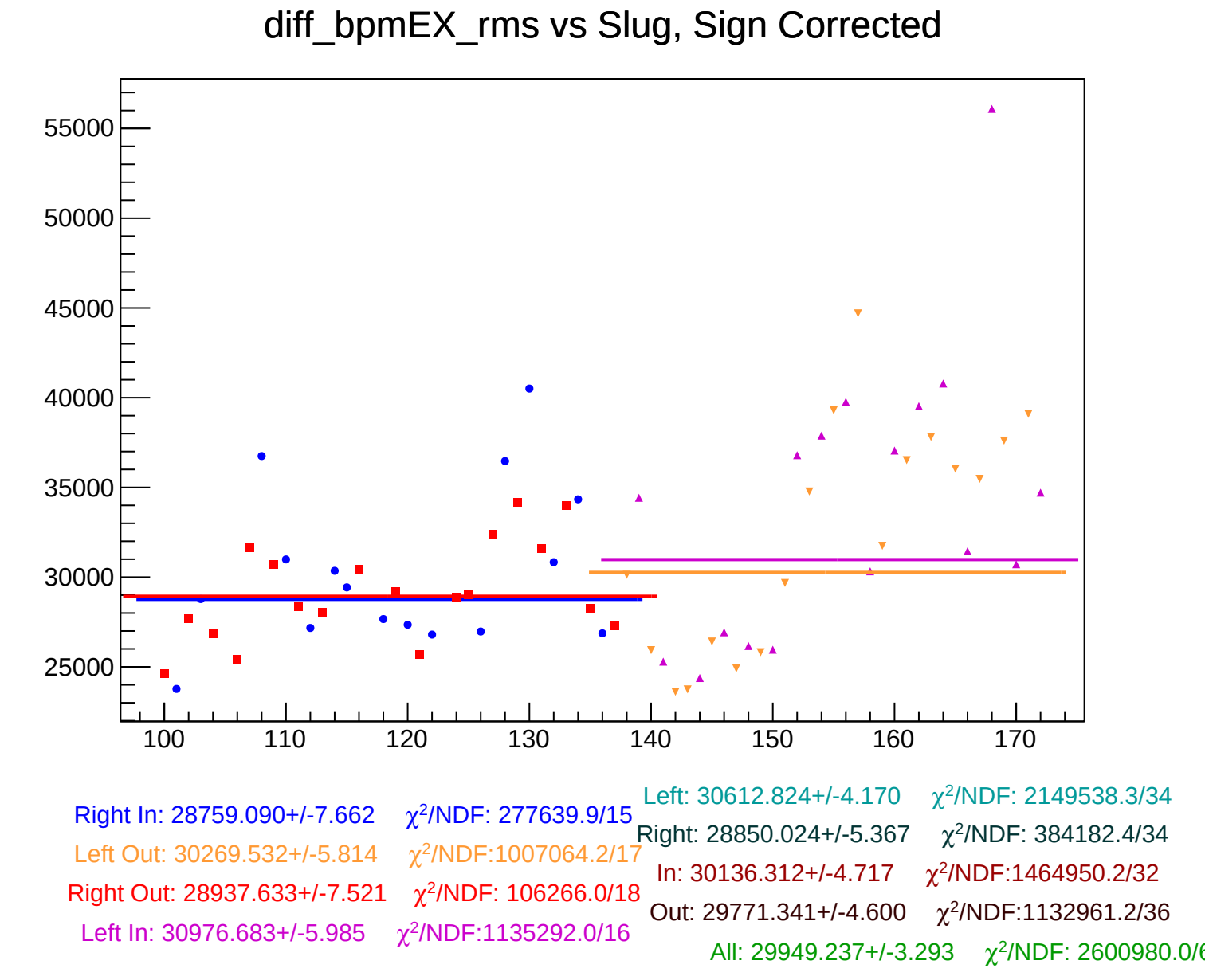
Left: 5.073+/-5.898 χ^2/NDF: 33.3/34

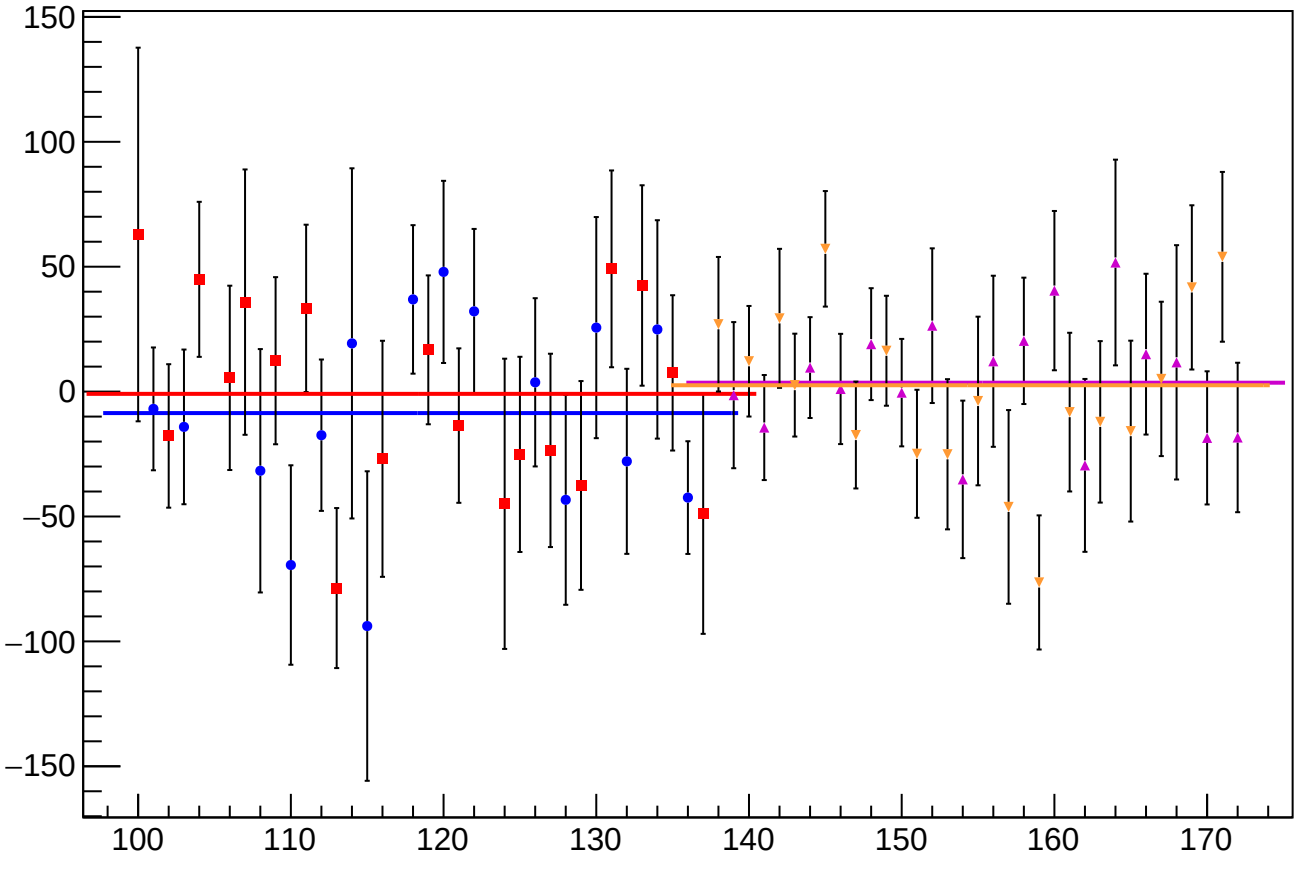
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

In: -0.648+/-6.671 χ^2/NDF:26.2/32

Out: 1.769+/-6.505 χ^2/NDF:41.4/36

All: 0.591+/-4.657 χ^2/NDF: 67.6/69


diff_bpmEX_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: 30269.532+/-5.814 χ²/NDF:1007064.2/17
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 30976.683+/-5.985 χ²/NDF:1135292.0/16
Left: 30612.824+/-4.170 χ²/NDF: 2149538.3/34
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30136.312+/-4.717 χ²/NDF:1464950.2/32
Out: 29771.341+/-4.600 χ²/NDF:1132961.2/36
All: 29949.237+/-3.293 χ²/NDF: 2600980.0/6



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 2.540+/-6.415 χ^2/NDF:25.3/17

Right Out: -0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: 3.561+/-6.607 χ^2/NDF:8.9/16

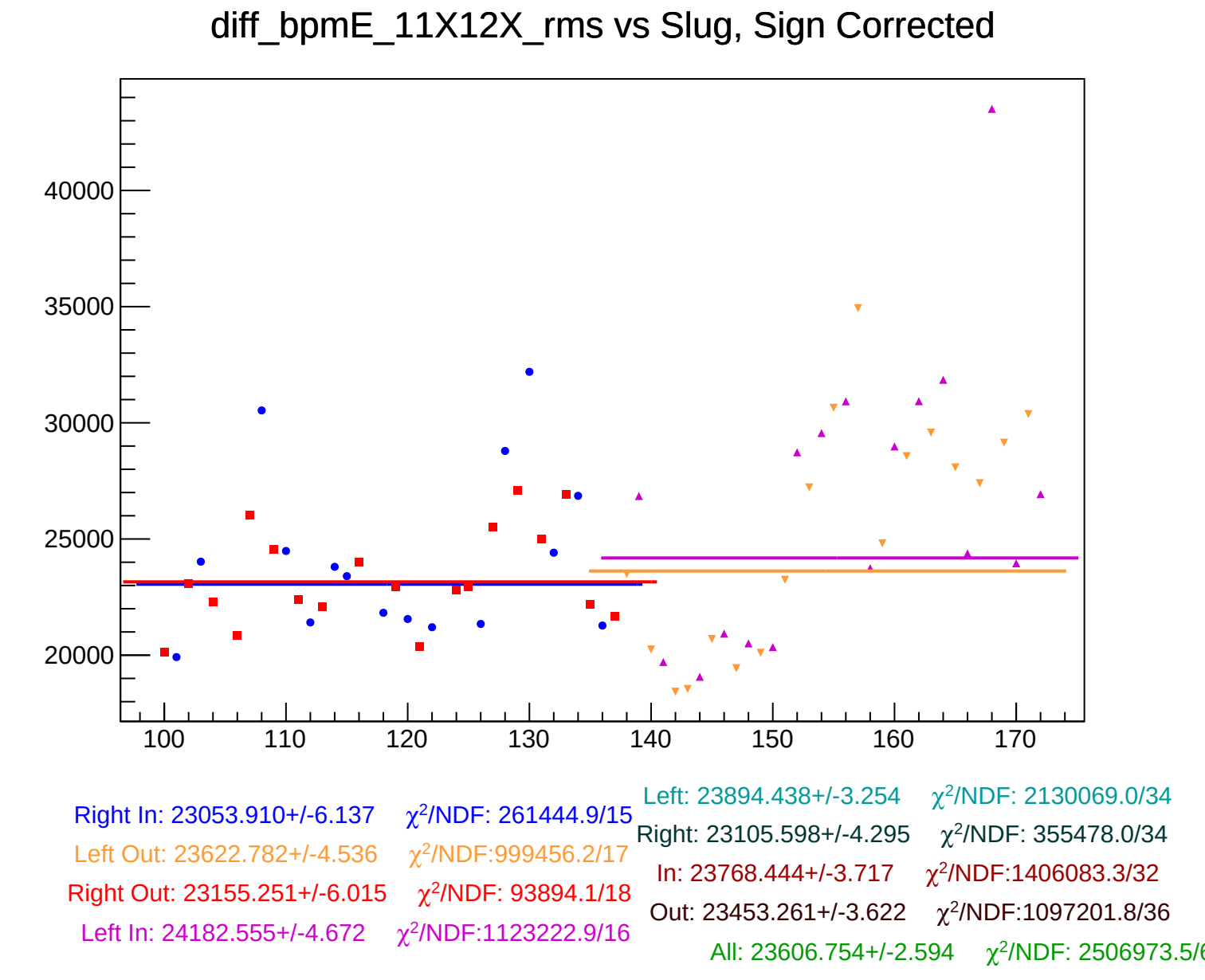
Left: 3.036+/-4.602 χ^2/NDF: 34.2/34

Right: -4.674+/-6.075 χ^2/NDF: 33.5/34

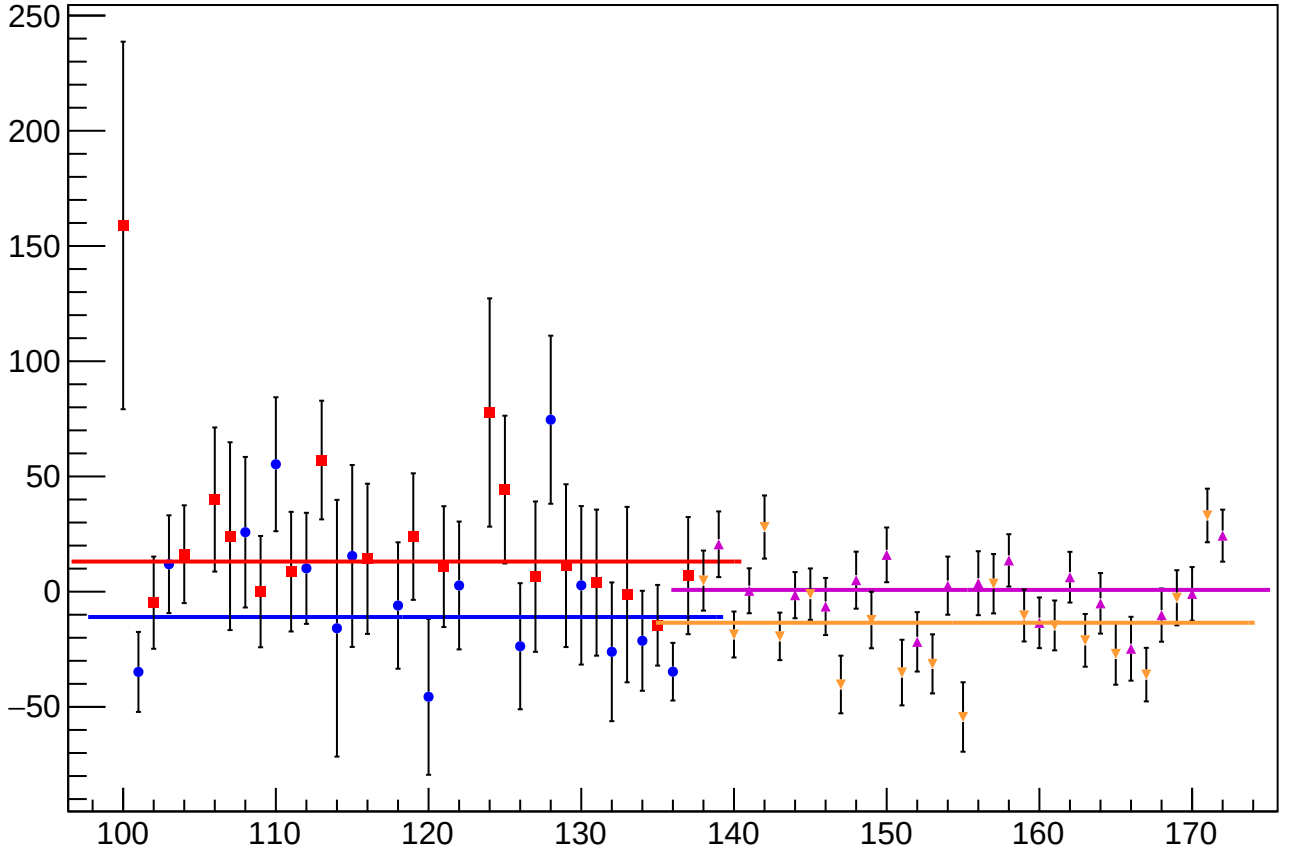
In: -0.901+/-5.257 χ^2/NDF:25.7/32

Out: 1.291+/-5.122 χ^2/NDF:43.0/36

All: 0.224+/-3.668 χ^2/NDF: 68.8/69


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: 23622.782+/-4.536 χ²/NDF:999456.2/17
Right Out: 23155.251+/-6.015 χ²/NDF: 93894.1/18
Left In: 24182.555+/-4.672 χ²/NDF:1123222.9/16
Left: 23894.438+/-3.254 χ²/NDF: 2130069.0/34
Right: 23105.598+/-4.295 χ²/NDF: 355478.0/34
In: 23768.444+/-3.717 χ²/NDF:1406083.3/32
Out: 23453.261+/-3.622 χ²/NDF:1097201.8/36
All: 23606.754+/-2.594 χ²/NDF: 2506973.5/6

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.002+/-6.155 χ^2/NDF: 22.0/15

Left Out: -13.488+/-2.832 χ^2/NDF:53.1/17

Right Out: 13.071+/-6.382 χ^2/NDF: 13.9/18

Left In: 0.772+/-2.874 χ^2/NDF:19.3/16

Left: -6.463+/-2.017 χ^2/NDF: 84.8/34

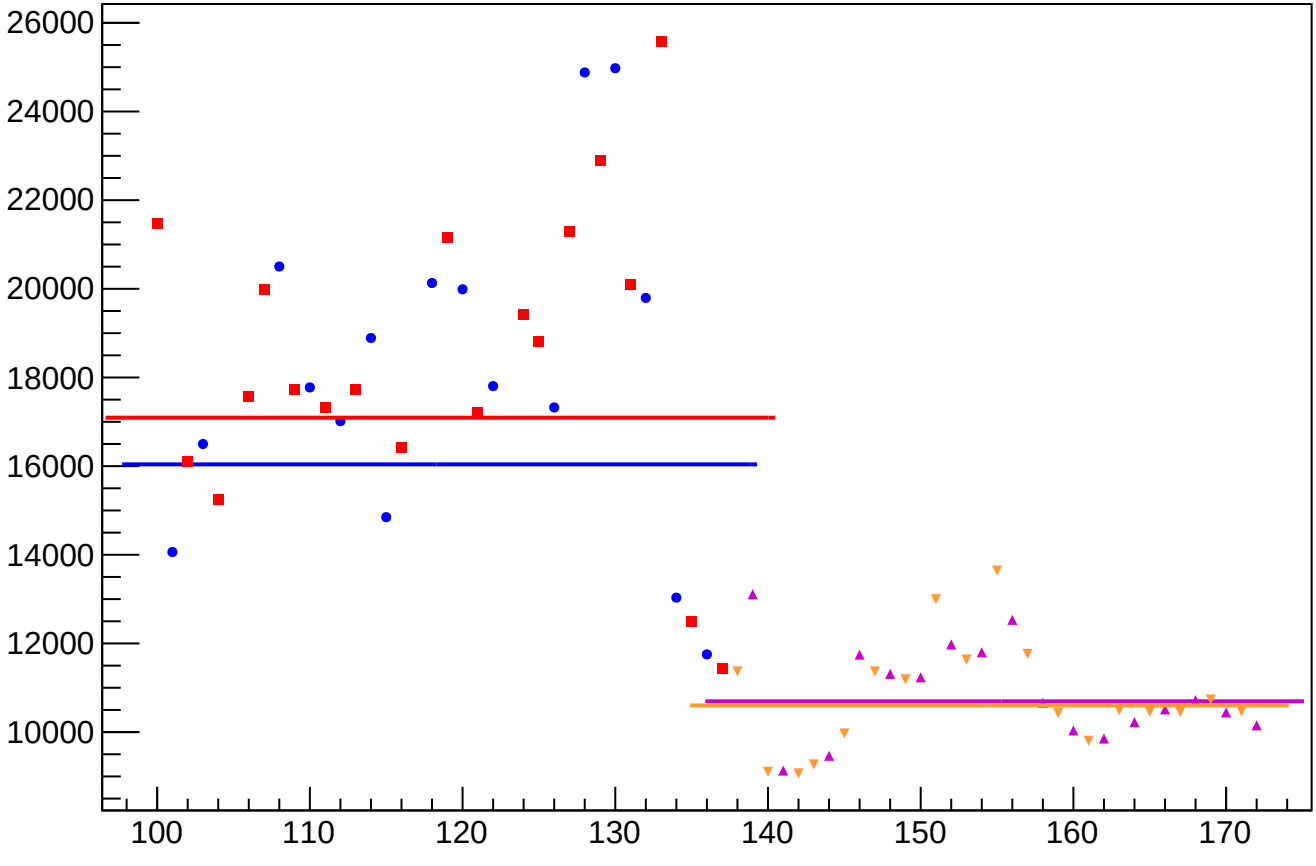
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: -1.336+/-2.604 χ^2/NDF:44.3/32

Out: -9.119+/-2.589 χ^2/NDF:81.4/36

All: -5.251+/-1.836 χ^2/NDF: 130.2/69

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10602.162+/-2.003 χ^2/NDF:308774.8/17

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: 10647.889+/-1.426 χ^2/NDF: 569836.9/34

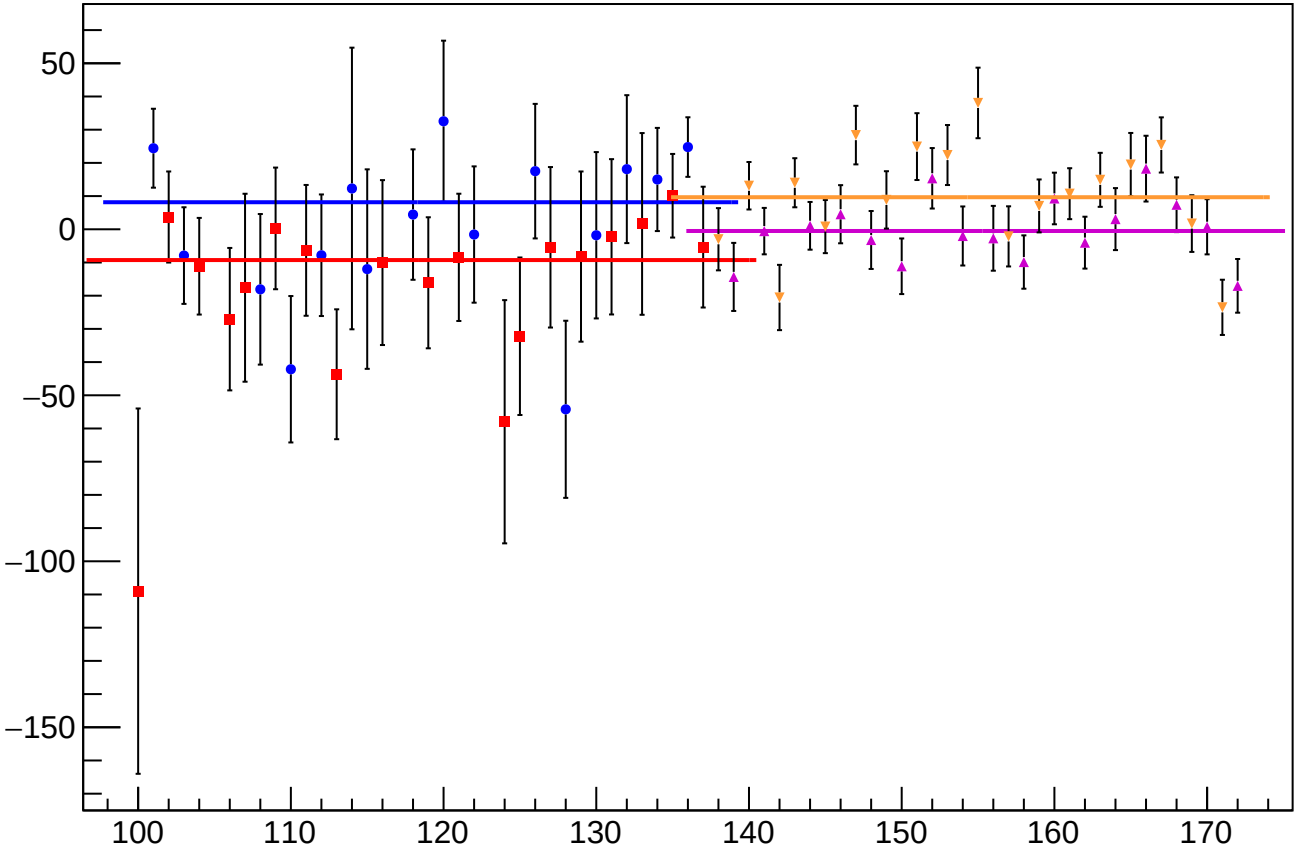
Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 11651.827+/-1.841 χ^2/NDF:2220995.9/32

Out: 11670.025+/-1.830 χ^2/NDF:2572533.6/36

All: 11660.980+/-1.298 χ^2/NDF: 4793578.7/6

diff_bpm4aediffX_mean vs Slug, Sign Corrected



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 9.661+/-2.016 χ^2/NDF:52.7/17

Right Out: -9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: -0.513+/-2.043 χ^2/NDF:19.0/16

Left: 4.643+/-1.435 χ^2/NDF: 84.2/34

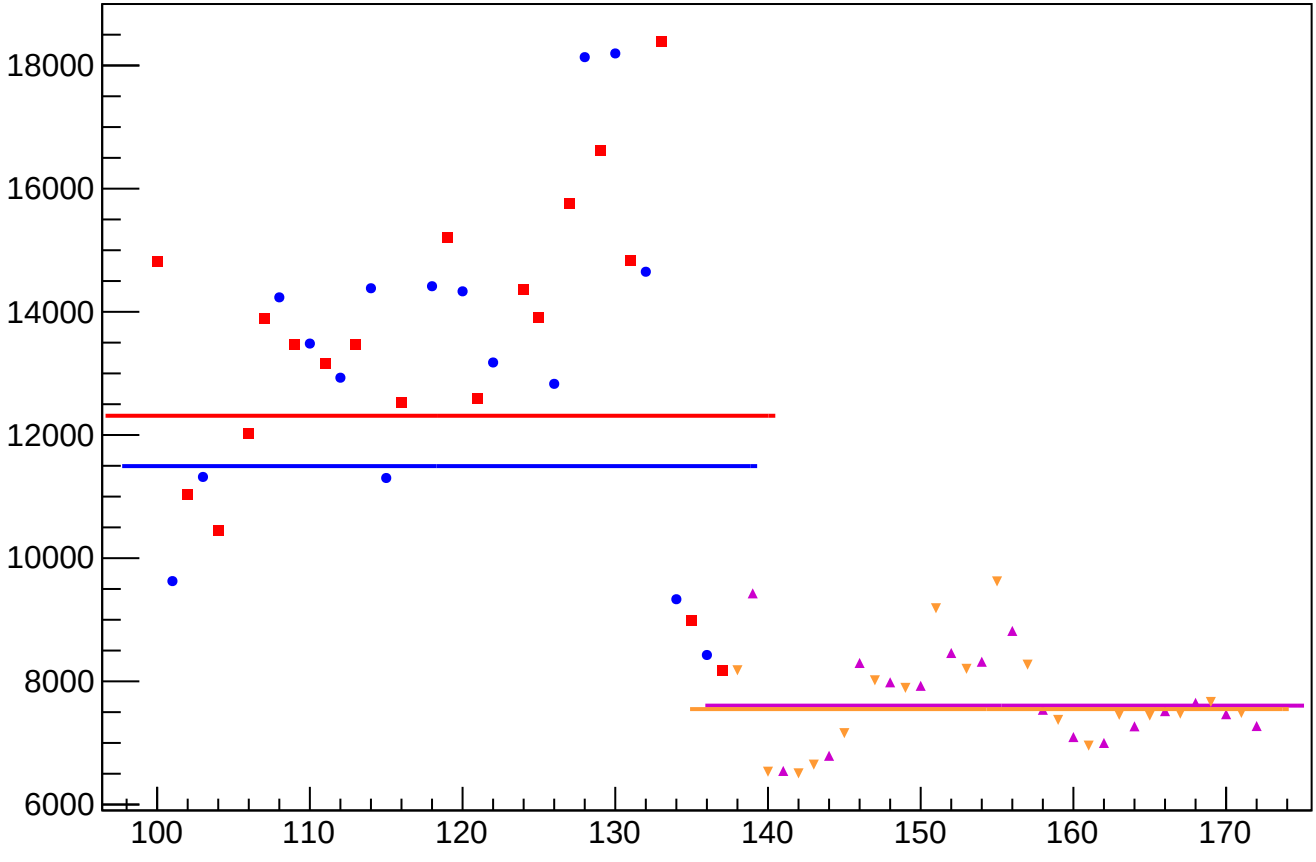
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 1.011+/-1.855 χ^2/NDF:44.0/32

Out: 6.620+/-1.847 χ^2/NDF:80.7/36

All: 3.828+/-1.309 χ^2/NDF: 129.3/69

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7549.427+/-1.425 χ^2/NDF:281610.0/17

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7605.756+/-1.445 χ^2/NDF:242985.1/16

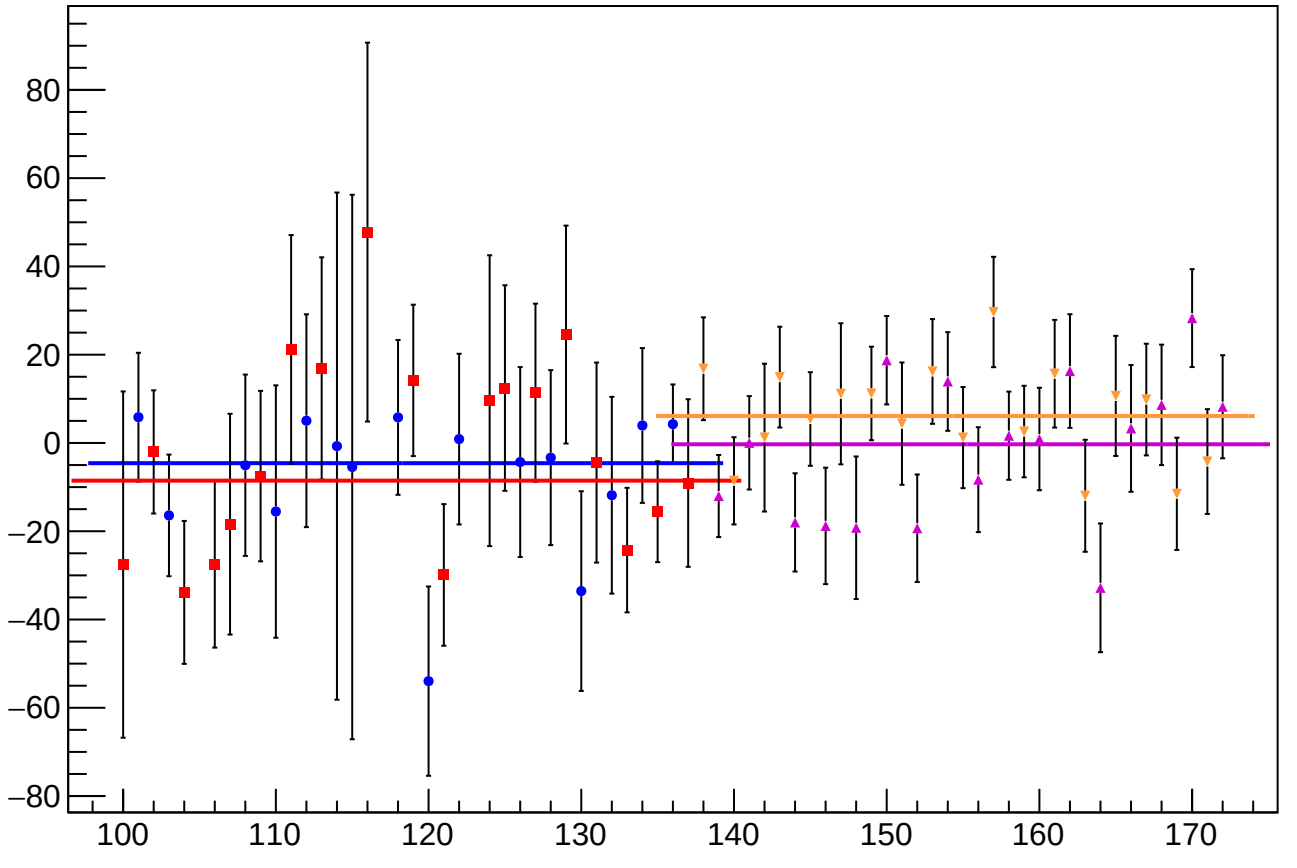
Left: 7577.206+/-1.015 χ^2/NDF: 525365.4/34

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 8289.837+/-1.312 χ^2/NDF:2307467.8/32

Out: 8314.588+/-1.306 χ^2/NDF:2674642.1/36

All: 8302.268+/-0.925 χ^2/NDF: 4982288.7/69



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 6.101+/-2.839 χ^2/NDF:14.2/17

Right Out: -8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: -0.296+/-2.842 χ^2/NDF:29.9/16

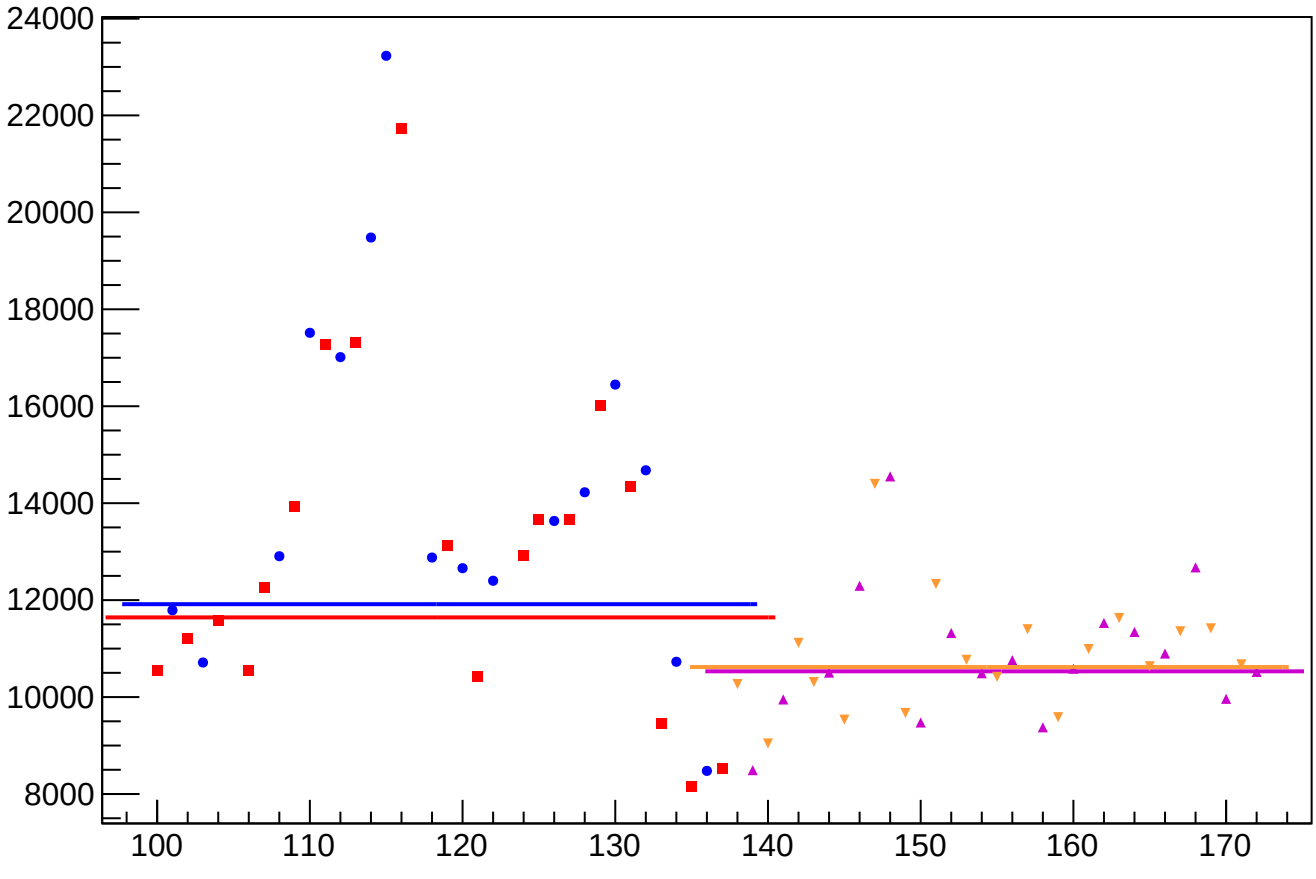
Left: 2.906+/-2.009 χ^2/NDF: 46.7/34

Right: -6.629+/-3.161 χ^2/NDF: 27.8/34

In: -1.496+/-2.411 χ^2/NDF:40.8/32

Out: 1.787+/-2.384 χ^2/NDF:39.2/36

All: 0.164+/-1.695 χ^2/NDF: 81.0/69



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10619.482+/-2.008 χ^2/NDF:293274.6/17

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10531.148+/-2.010 χ^2/NDF:394276.4/16

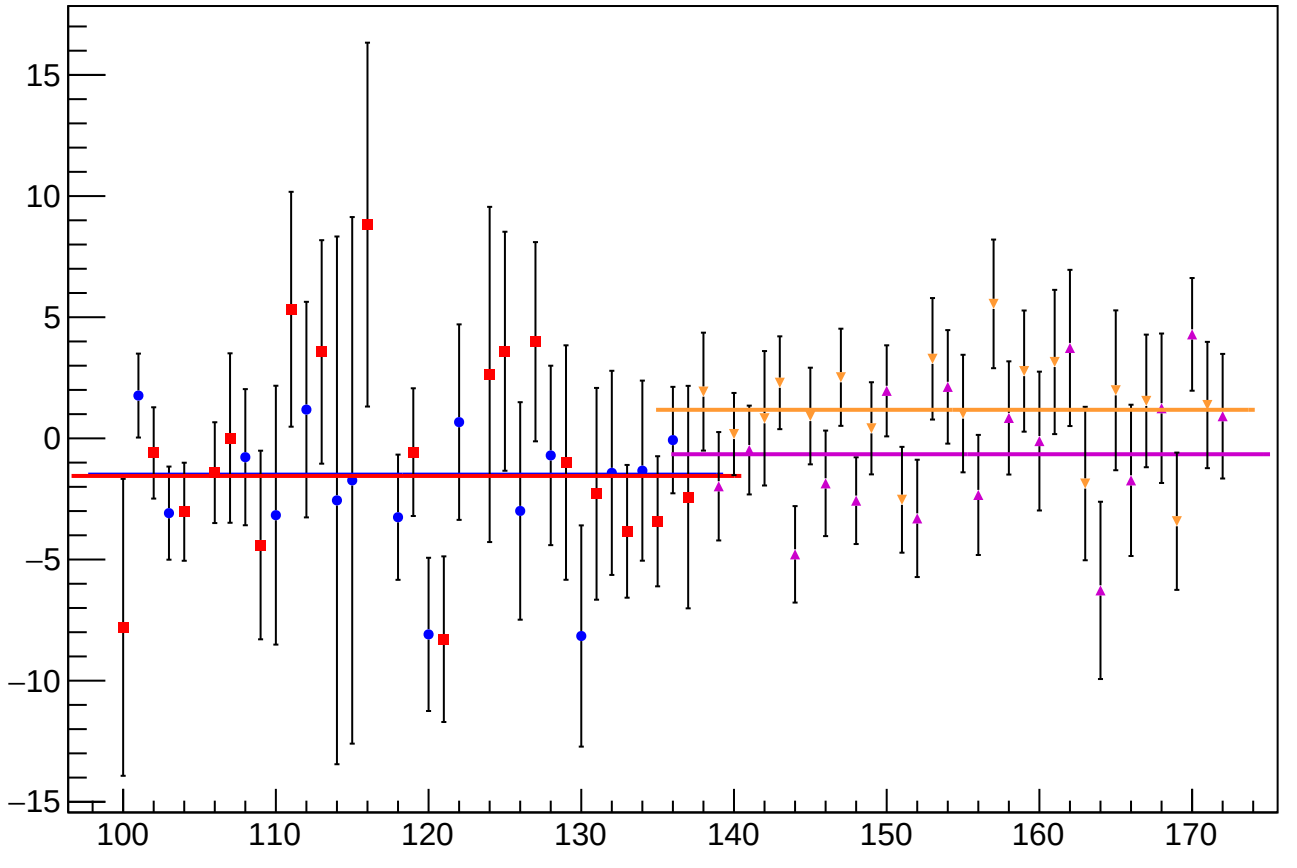
Left: 10575.363+/-1.420 χ^2/NDF: 688518.0/34

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 10919.460+/-1.705 χ^2/NDF:1277219.0/32

Out: 10921.295+/-1.686 χ^2/NDF:1160324.6/36

All: 10920.388+/-1.199 χ^2/NDF: 2437544.2/6



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.179+/-0.555 χ^2/NDF:12.2/17

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: 0.285+/-0.397 χ^2/NDF: 38.7/34

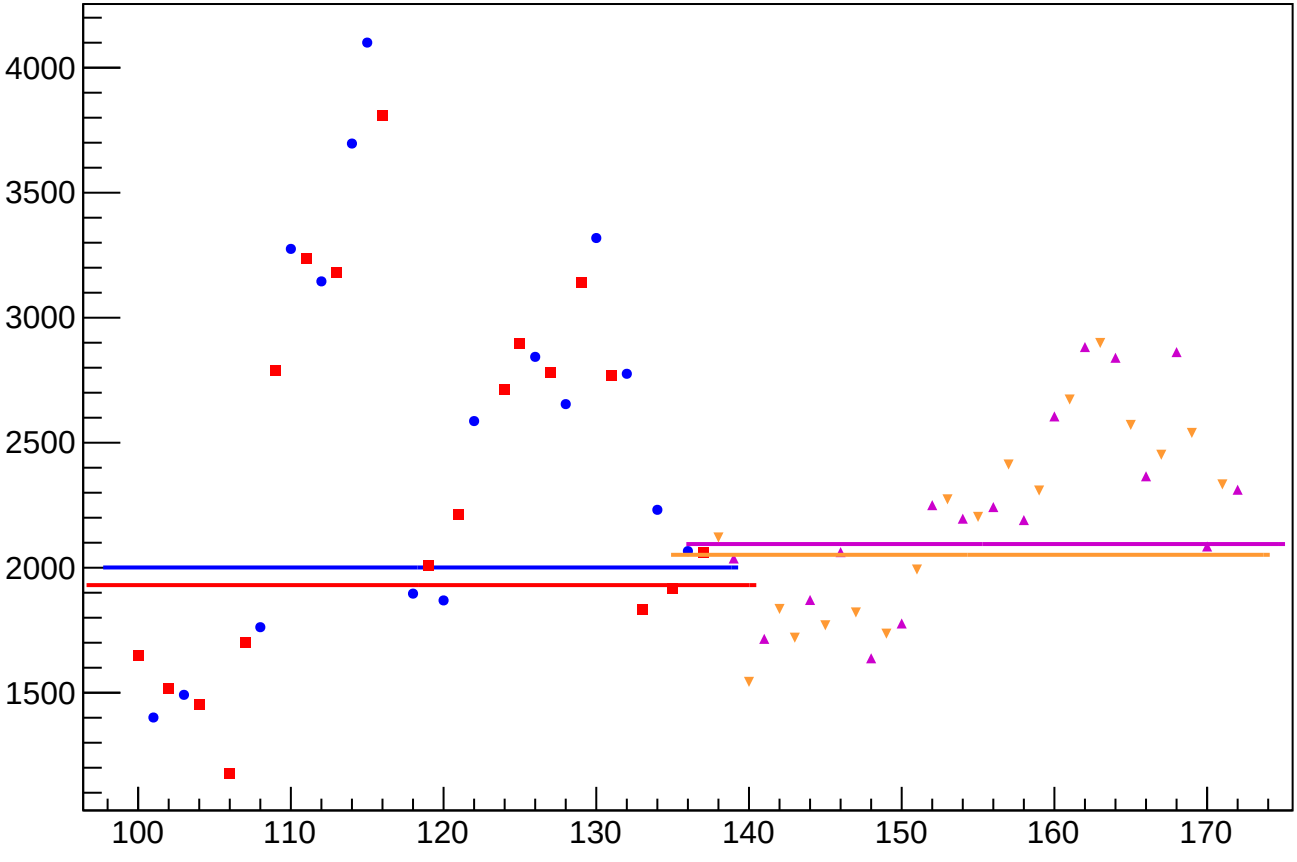
Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -0.948+/-0.459 χ^2/NDF:34.5/32

Out: 0.204+/-0.445 χ^2/NDF:37.1/36

All: -0.354+/-0.320 χ^2/NDF: 74.9/69

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 2051.652+/-0.392 χ^2/NDF:863252.9/17

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 2094.693+/-0.402 χ^2/NDF:741880.4/16

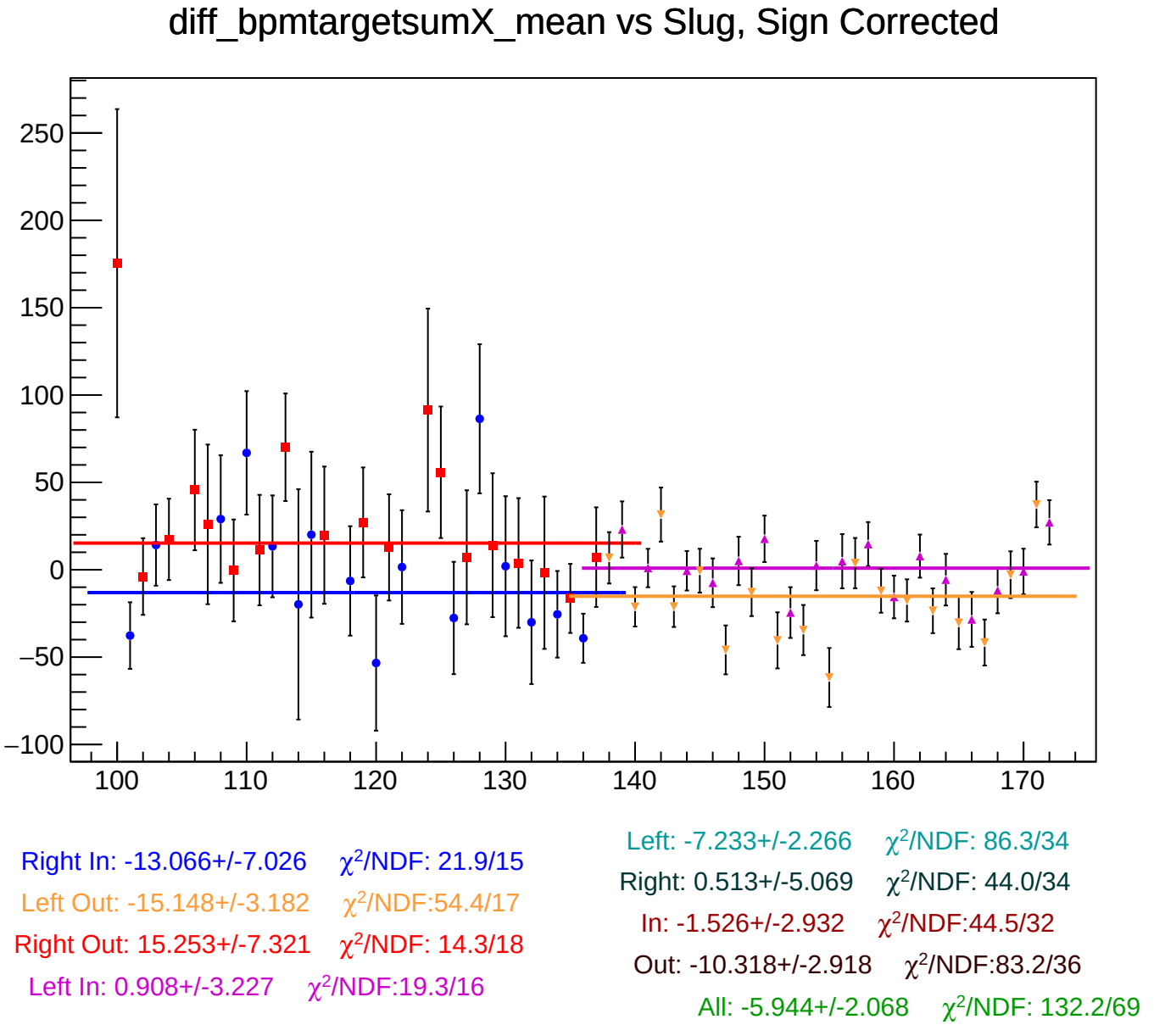
Left: 2072.646+/-0.281 χ^2/NDF: 1610999.9/34

Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

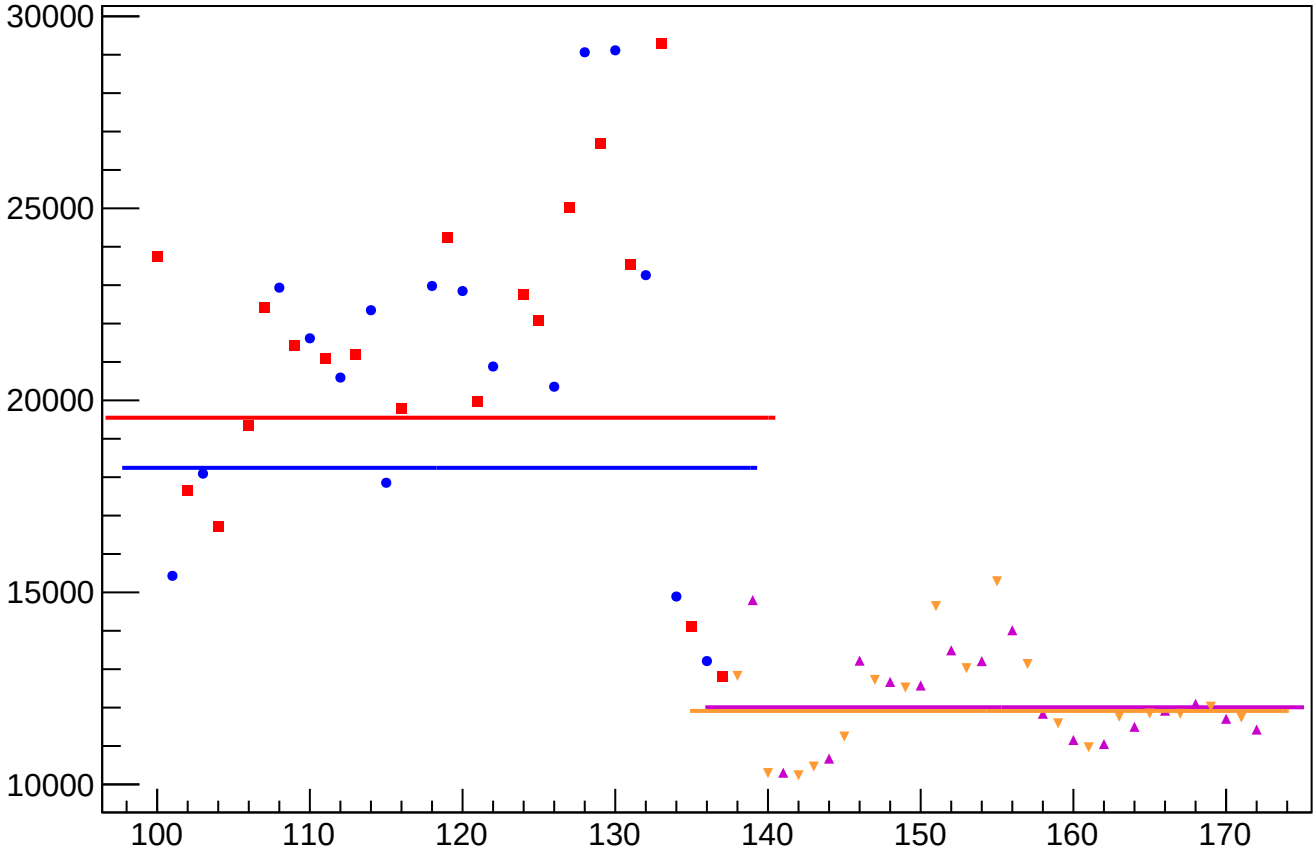
In: 2062.073+/-0.325 χ^2/NDF:1950559.7/32

Out: 2008.352+/-0.315 χ^2/NDF:2300884.0/36

All: 2034.368+/-0.226 χ^2/NDF: 4265560.6/69


diff_bpmtargetsumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
Right In: -13.066+/-7.026 χ²/NDF: 21.9/15
Left Out: -15.148+/-3.182 χ²/NDF:54.4/17
Right Out: 15.253+/-7.321 χ²/NDF: 14.3/18
Left In: 0.908+/-3.227 χ²/NDF:19.3/16
Left: -7.233+/-2.266 χ²/NDF: 86.3/34
Right: 0.513+/-5.069 χ²/NDF: 44.0/34
In: -1.526+/-2.932 χ²/NDF:44.5/32
Out: -10.318+/-2.918 χ²/NDF:83.2/36
All: -5.944+/-2.068 χ²/NDF: 132.2/69

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11913.402+/-2.250 χ^2/NDF:298493.4/17

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 12008.302+/-2.282 χ^2/NDF:258025.6/16

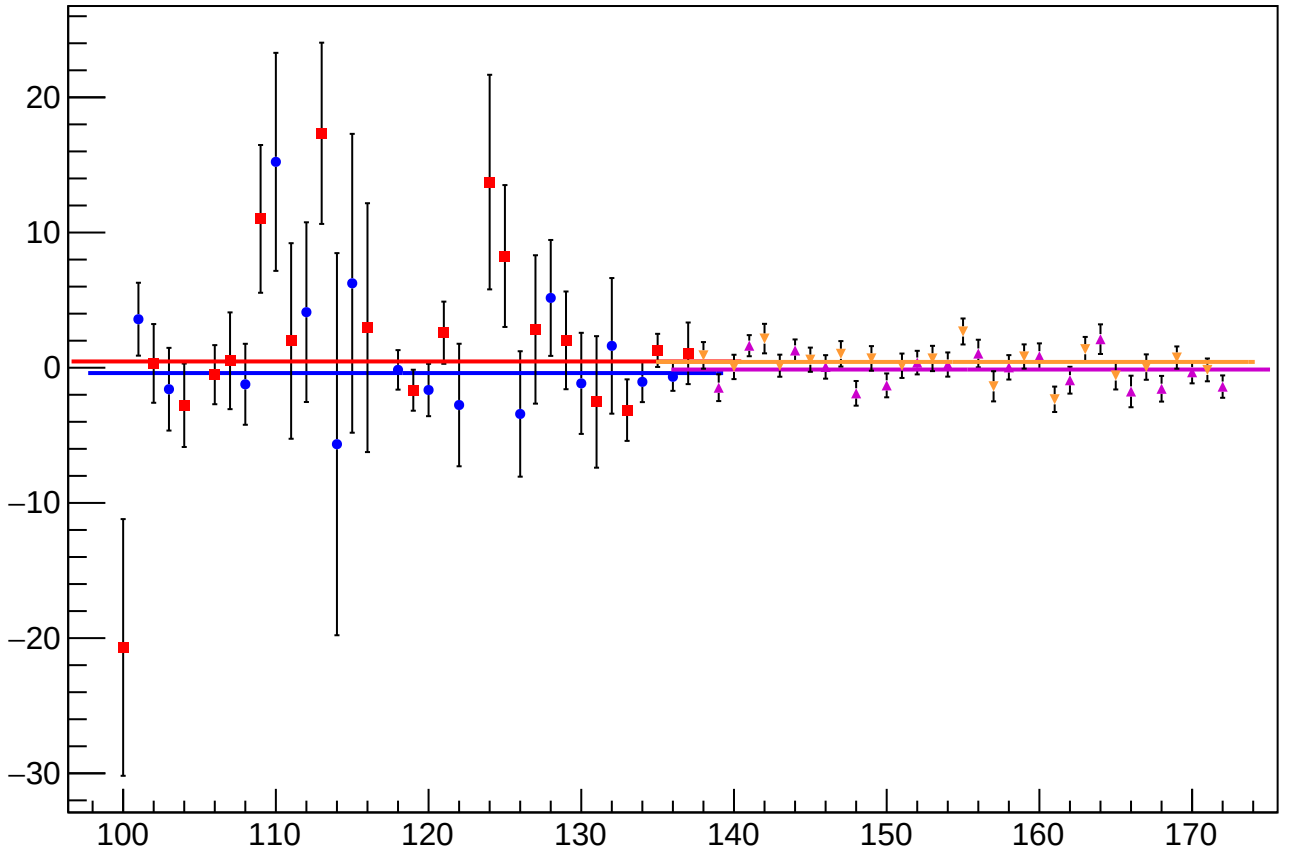
Left: 11960.182+/-1.602 χ^2/NDF: 557396.1/34

Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 13094.331+/-2.074 χ^2/NDF:2378411.2/32

Out: 13126.451+/-2.063 χ^2/NDF:2750022.1/36

All: 13110.470+/-1.463 χ^2/NDF: 5128553.9/6



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.429+/-0.218 χ^2/NDF:23.5/17

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: 0.152+/-0.155 χ^2/NDF: 56.6/34

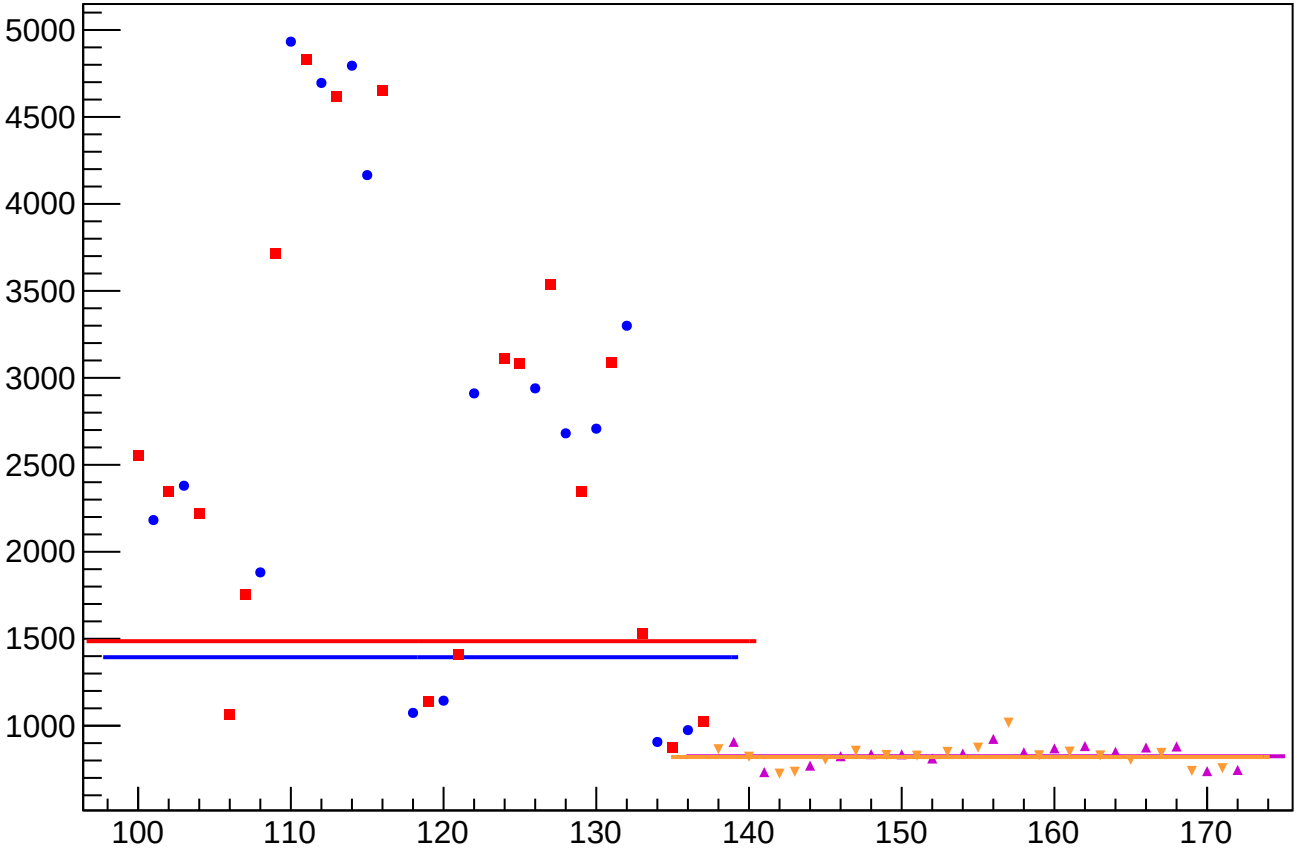
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.164+/-0.207 χ^2/NDF:40.4/32

Out: 0.433+/-0.206 χ^2/NDF:51.5/36

All: 0.136+/-0.146 χ^2/NDF: 96.1/69

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 820.000+/-0.154 χ^2/NDF:150776.4/17

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: 822.213+/-0.110 χ^2/NDF: 286412.5/34

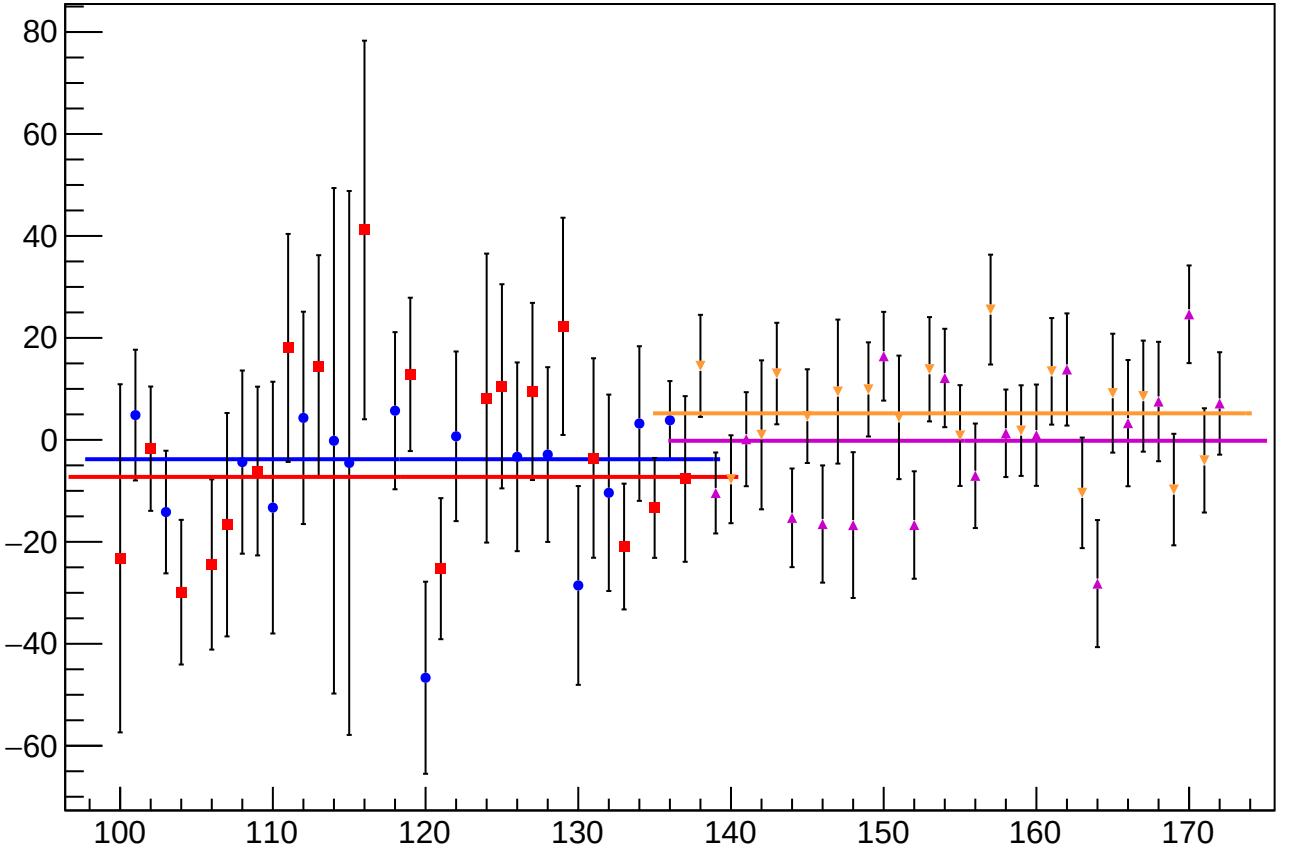
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 892.555+/-0.147 χ^2/NDF:5101561.8/32

Out: 890.629+/-0.146 χ^2/NDF:5523122.4/36

All: 891.587+/-0.103 χ^2/NDF: 10624770.7/69

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 5.206+/-2.454 χ^2/NDF:14.4/17

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: 2.513+/-1.735 χ^2/NDF: 46.9/34

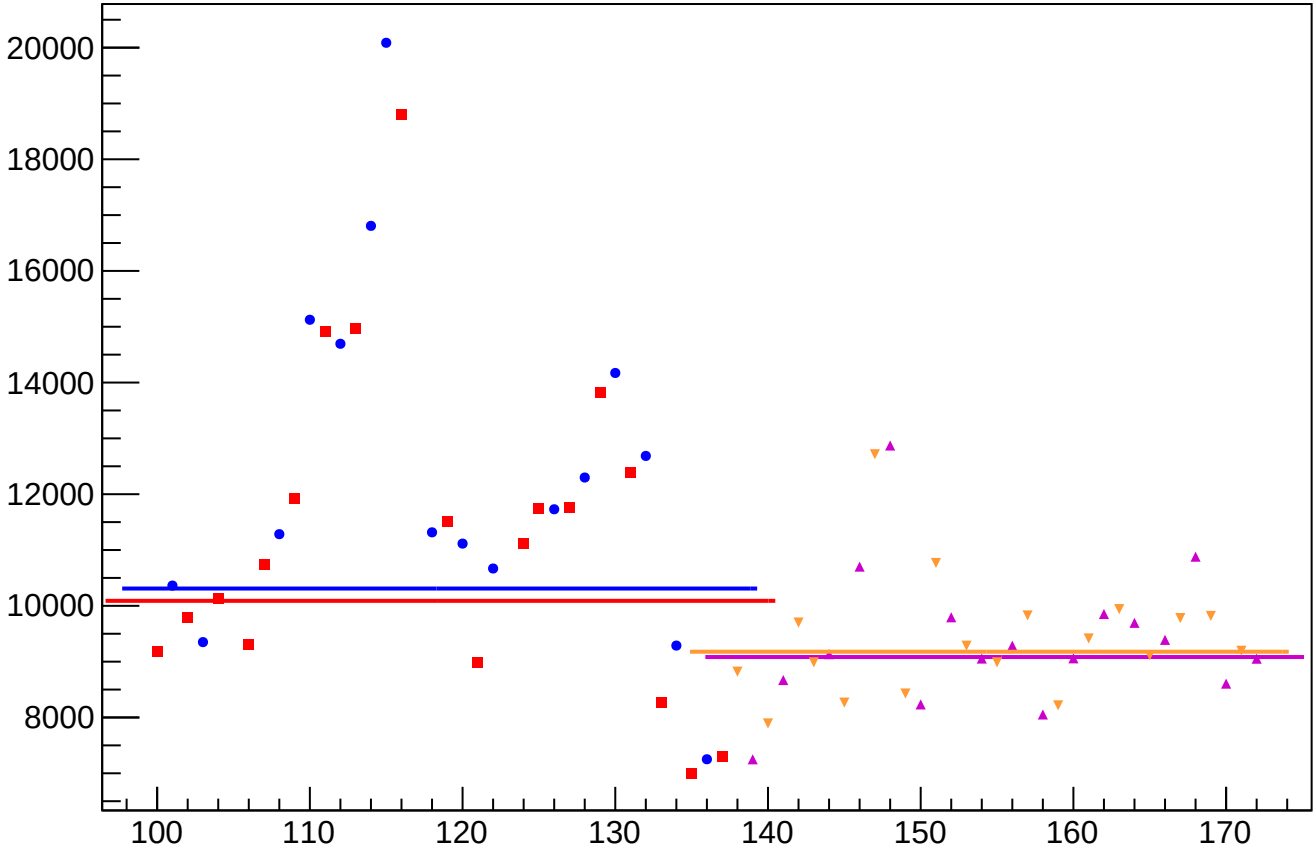
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -1.186+/-2.083 χ^2/NDF:40.8/32

Out: 1.545+/-2.063 χ^2/NDF:39.2/36

All: 0.193+/-1.466 χ^2/NDF: 80.8/69

diff_bpmtargetsumY_rms vs Slug, Sign Corrected



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9177.928+/-1.735 χ^2/NDF:298600.2/17

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 9082.911+/-1.734 χ^2/NDF:416468.2/16

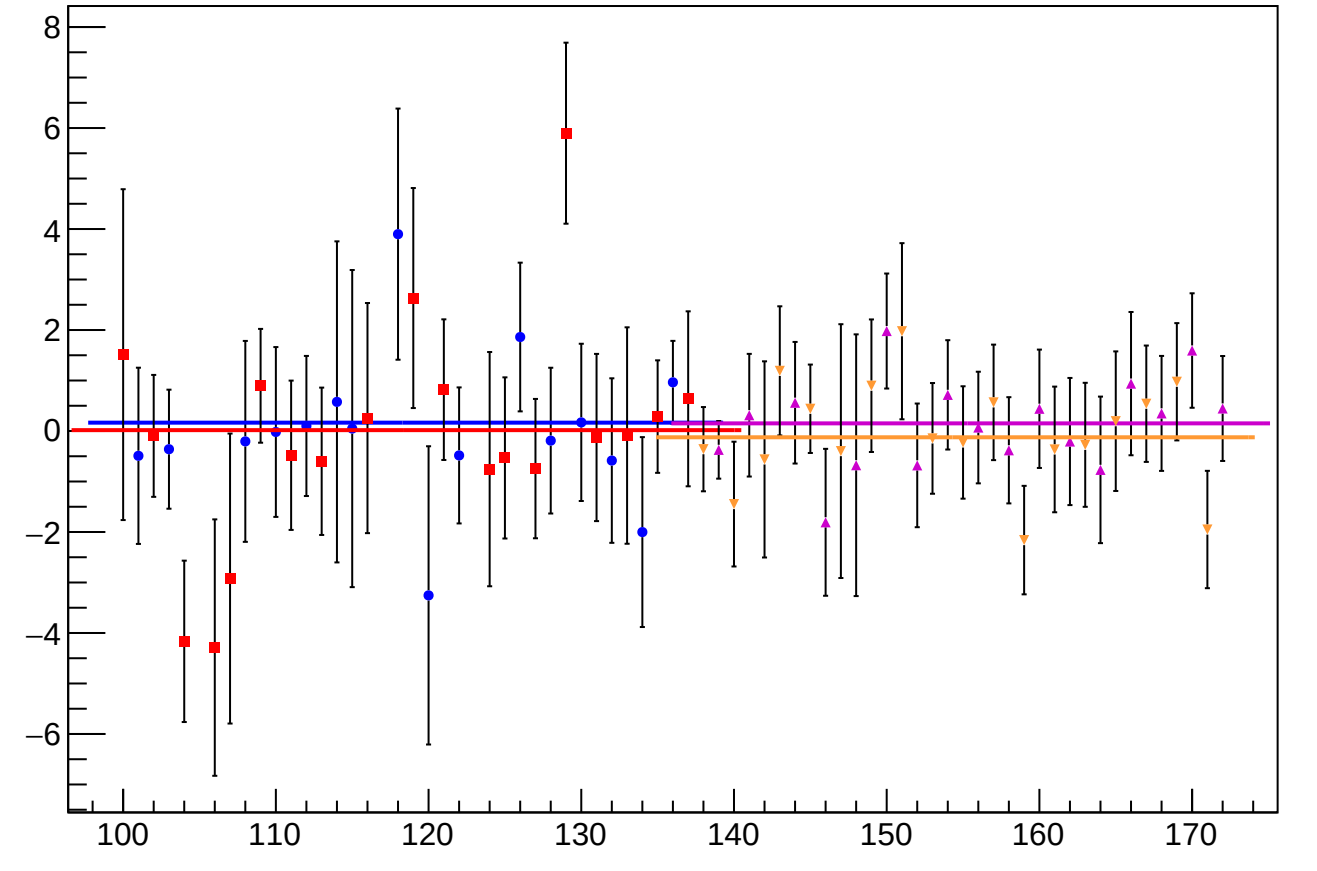
Left: 9130.389+/-1.227 χ^2/NDF: 716568.3/34

Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

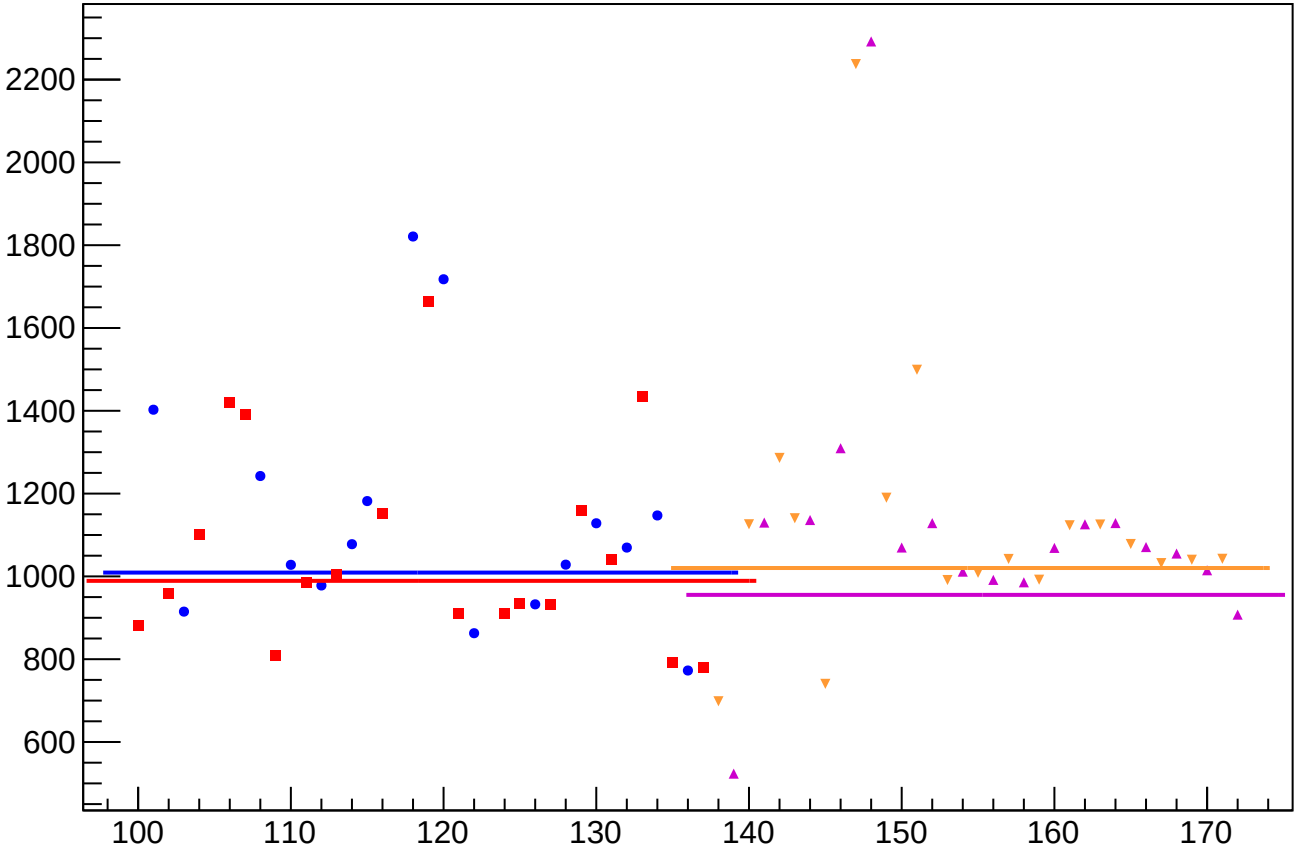
In: 9425.223+/-1.473 χ^2/NDF:1326636.0/32

Out: 9445.576+/-1.459 χ^2/NDF:1172409.5/36

All: 9435.497+/-1.036 χ^2/NDF: 2499141.9/69


diff_bpmtargetdiffY_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
Right In: 0.165+/-0.386 χ²/NDF: 8.1/15
Left Out: -0.124+/-0.281 χ²/NDF:12.6/17
Right Out: 0.017+/-0.372 χ²/NDF: 25.2/18
Left In: 0.151+/-0.268 χ²/NDF:9.1/16
Left: 0.020+/-0.194 χ²/NDF: 22.1/34
Right: 0.089+/-0.268 χ²/NDF: 33.4/34
In: 0.156+/-0.220 χ²/NDF:17.2/32
Out: -0.073+/-0.224 χ²/NDF:37.9/36
All: 0.043+/-0.157 χ²/NDF: 55.5/69

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1020.254+/-0.199 χ^2/NDF:1262525.7/17

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 955.356+/-0.190 χ^2/NDF:2075510.3/16

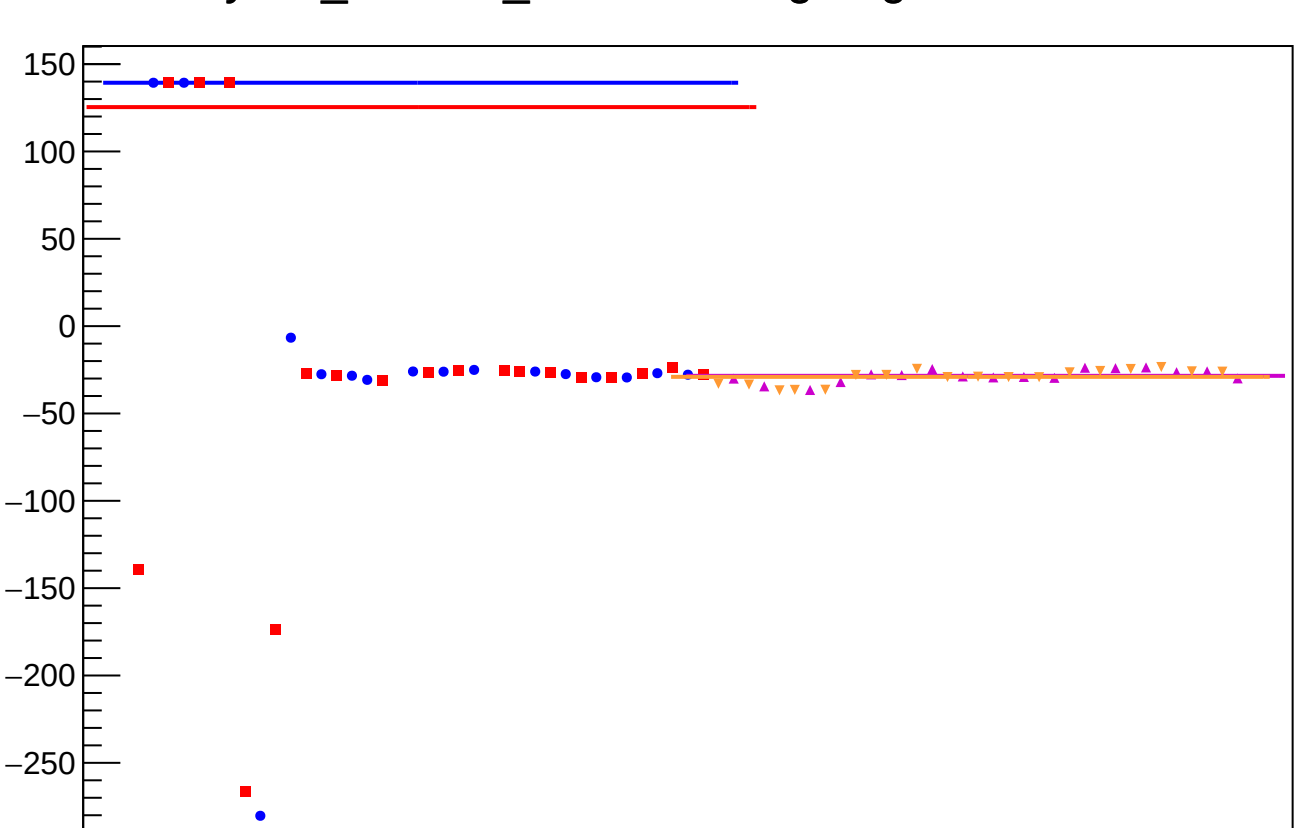
Left: 986.334+/-0.137 χ^2/NDF: 3393860.4/34

Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 972.891+/-0.156 χ^2/NDF:2801041.3/32

Out: 1009.006+/-0.159 χ^2/NDF:1847130.0/36

All: 990.642+/-0.111 χ^2/NDF: 4674564.6/69



Right In: 139.337+/-0.000 χ^2/NDF: 47088045550.1/15

Left Out: -29.029+/-0.000 χ^2/NDF:135728816.9/17

Right Out: 125.392+/-0.000 χ^2/NDF: 774173119844052.5/18

Left In: -28.451+/-0.000 χ^2/NDF:98128787.6/16

Left: -28.753+/-0.000 χ^2/NDF: 234974968.7/34

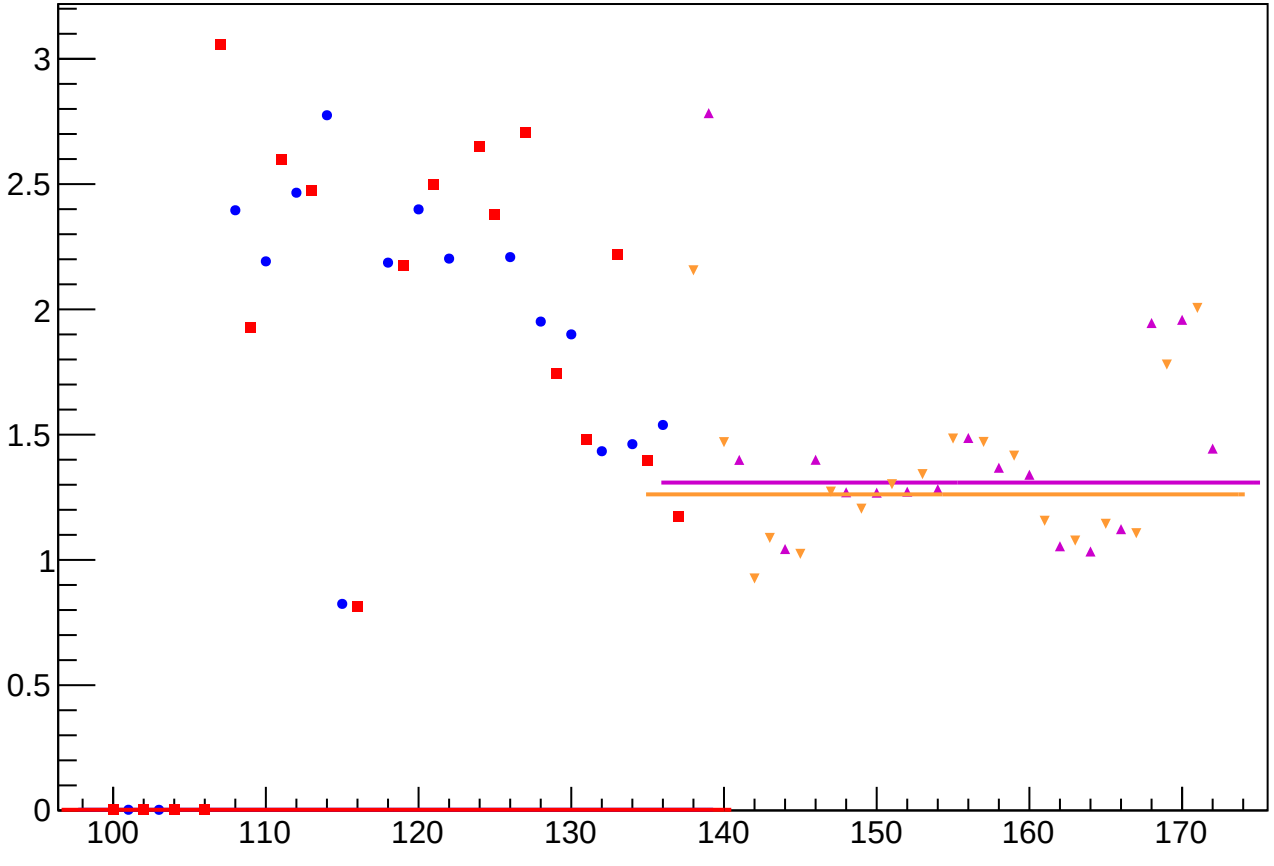
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.331+/-0.000 χ^2/NDF:227345835179.8/32

Out: 125.387+/-0.000 χ^2/NDF:774340130277420.

All: 131.813+/-0.000 χ^2/NDF: 793350662015

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.262+/-0.000 χ^2/NDF:897862.9/17

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: 1.284+/-0.000 χ^2/NDF: 1988059.6/34

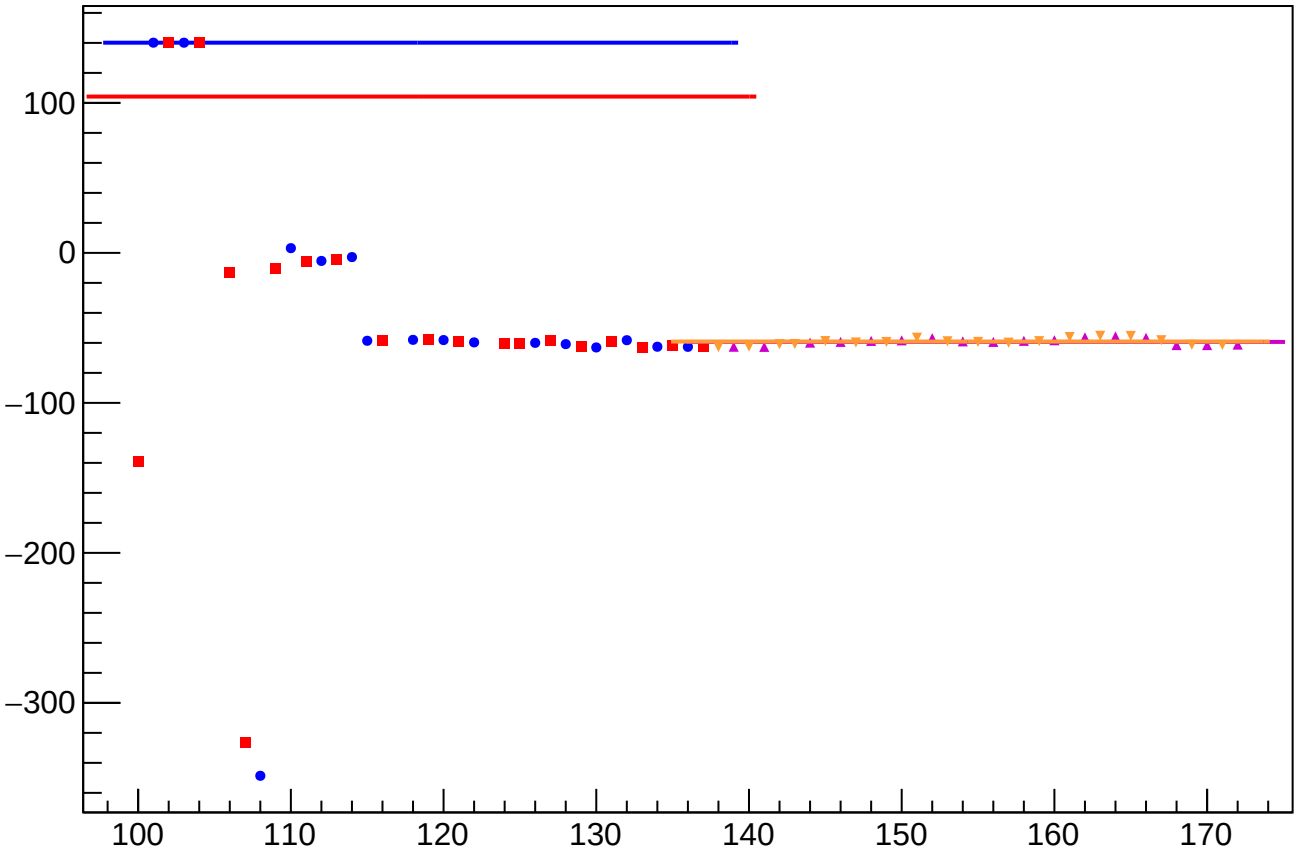
Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

In: 0.003+/-0.000 χ^2/NDF:32472439.6/32

Out: 0.003+/-0.000 χ^2/NDF:32816260.5/36

All: 0.003+/-0.000 χ^2/NDF: 65288942.7/69

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -59.115+/-0.000 χ^2/NDF:142036180.5/17

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

Left In: -59.365+/-0.000 χ^2/NDF:122930188.1/16

Left: -59.239+/-0.000 χ^2/NDF: 265639976.9/34

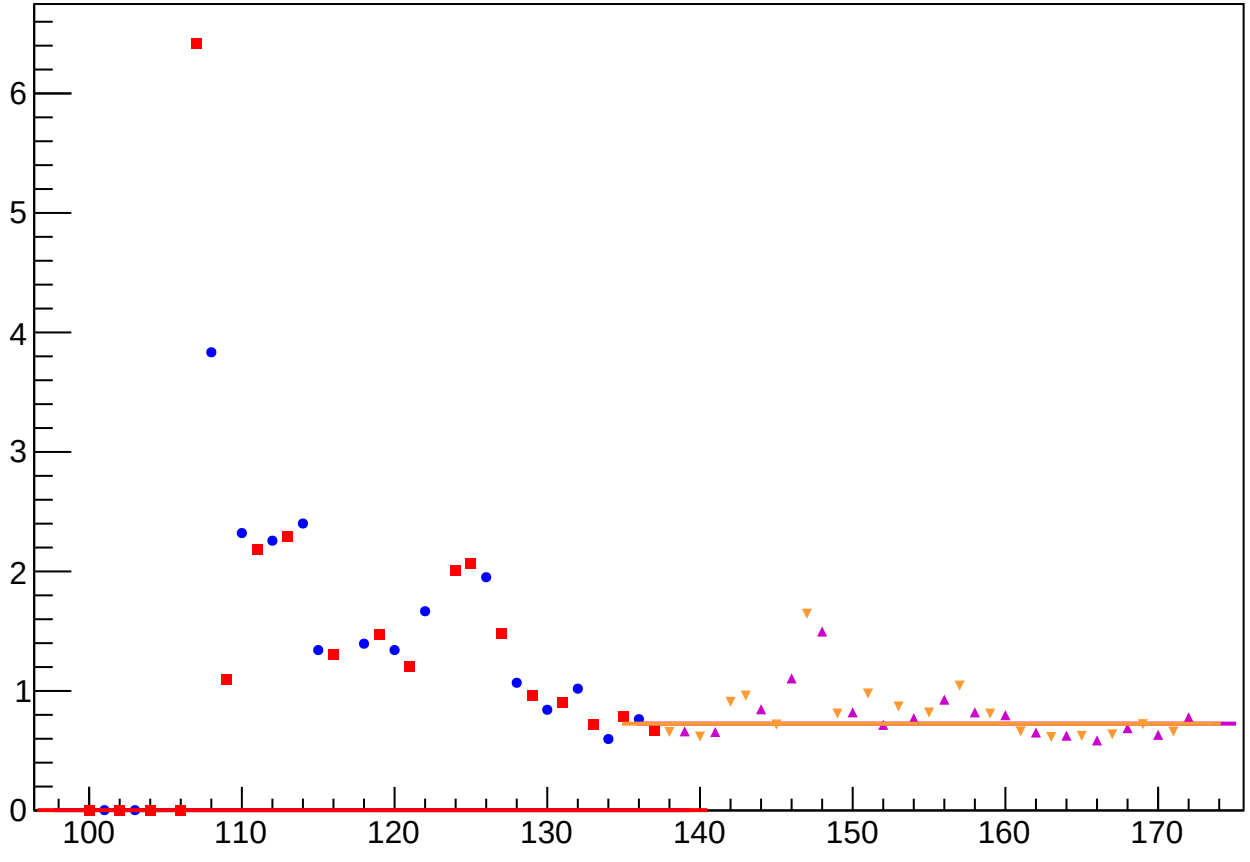
Right: 120.832+/-0.000 χ^2/NDF: 138089570604348

In: 140.119+/-0.000 χ^2/NDF:1041157326219.2/32

Out: 104.207+/-0.000 χ^2/NDF:125797848776532

All: 120.811+/-0.000 χ^2/NDF: 13822919390

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.726+/-0.000 χ^2/NDF:1028239.3/17

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: 0.726+/-0.000 χ^2/NDF: 1875283.4/34

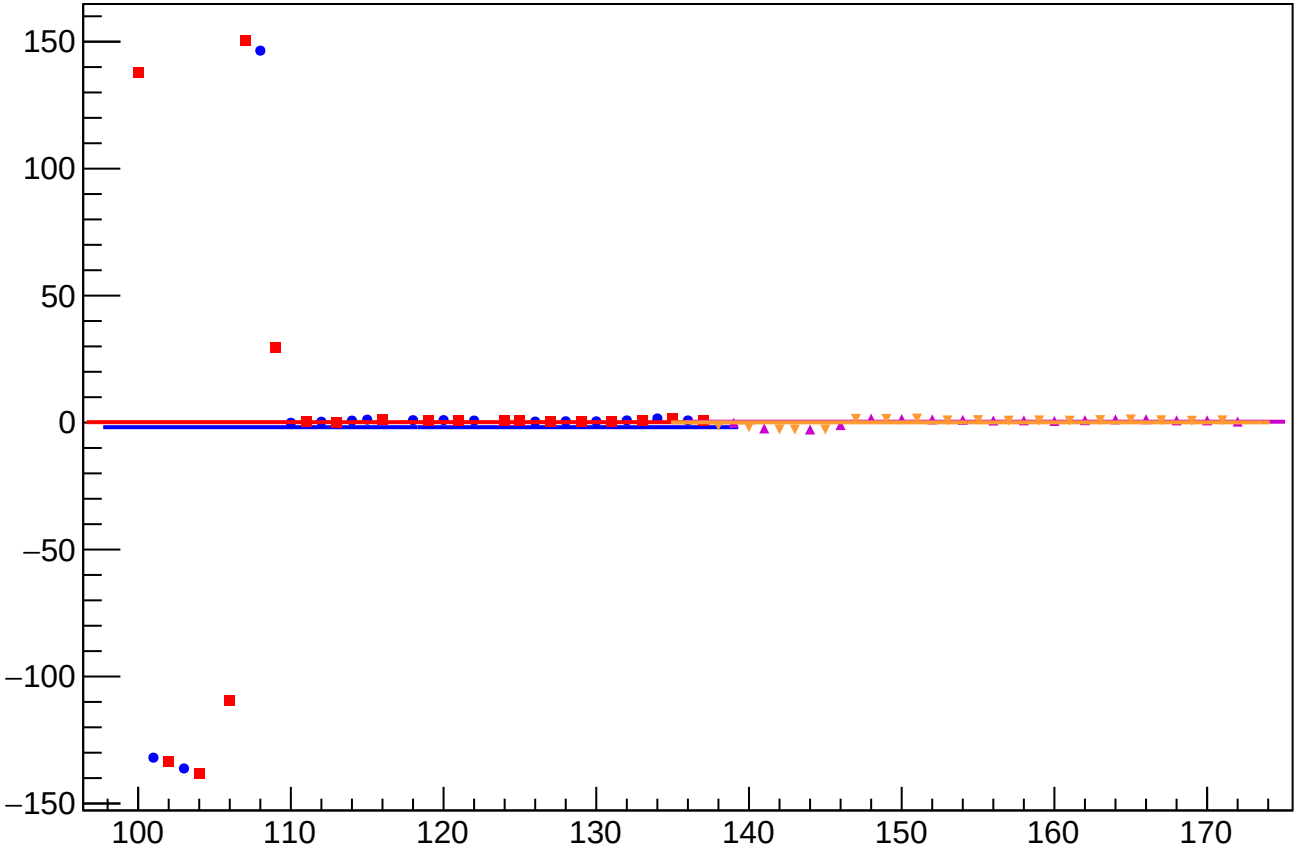
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:33901832.2/32

Out: 0.003+/-0.000 χ^2/NDF:33898317.3/36

All: 0.003+/-0.000 χ^2/NDF: 67800530.2/69

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: 0.089+/-0.000 χ^2/NDF:100281595.2/17

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: 0.214+/-0.000 χ^2/NDF: 171855676.1/34

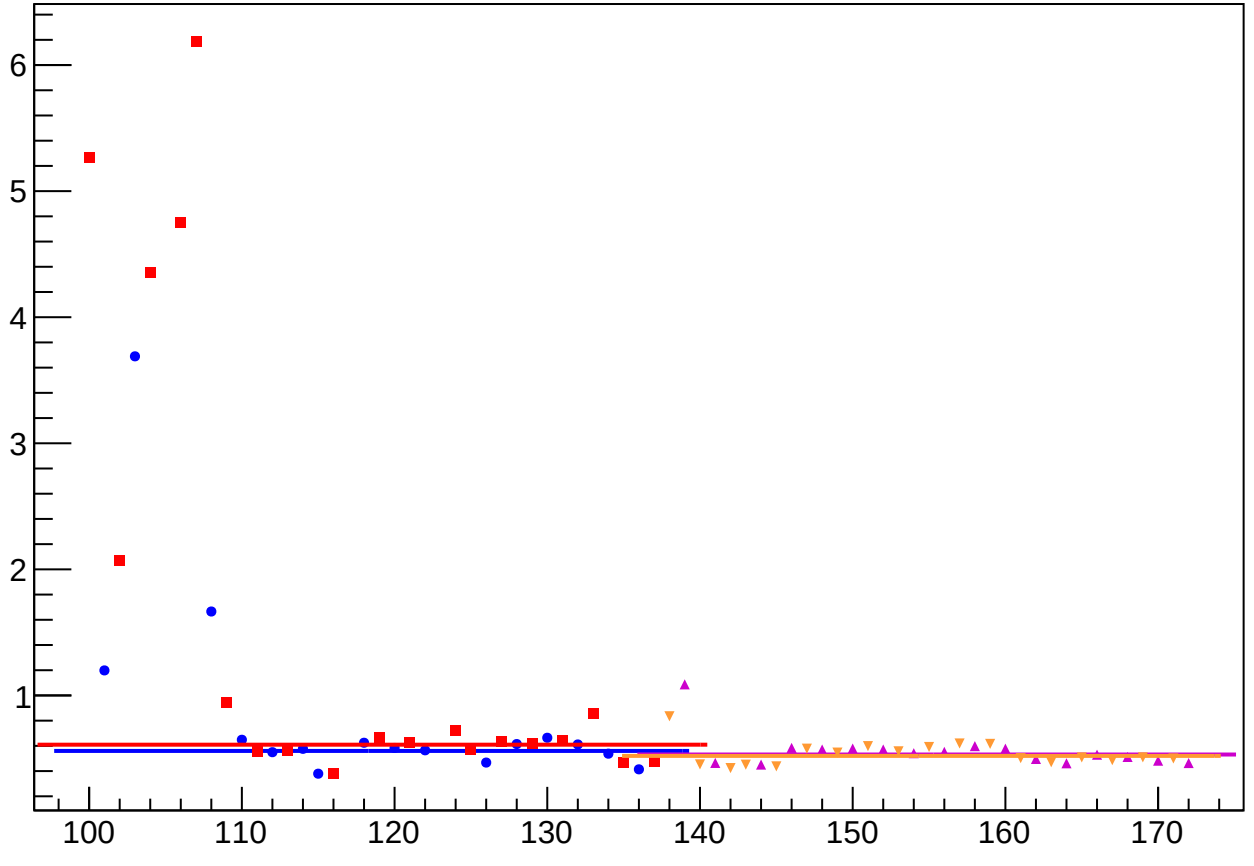
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -0.279+/-0.000 χ^2/NDF:10011124014.4/32

Out: 0.107+/-0.000 χ^2/NDF:3711585040.7/36

All: -0.087+/-0.000 χ^2/NDF: 13726855548.9/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.520+/-0.000 χ^2/NDF:477591.6/17

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: 0.526+/-0.000 χ^2/NDF: 1125072.5/34

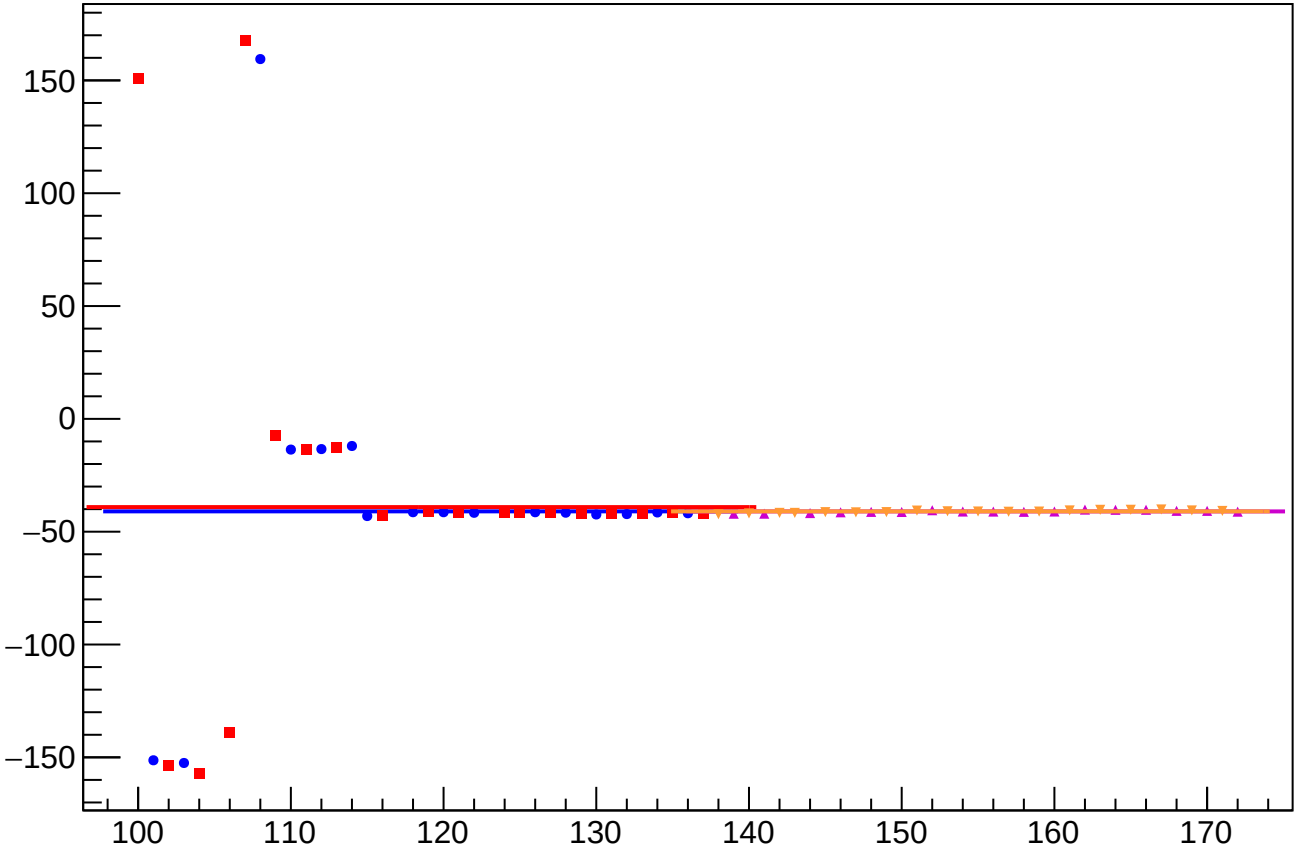
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.540+/-0.000 χ^2/NDF:2259635.1/32

Out: 0.542+/-0.000 χ^2/NDF:3113942.4/36

All: 0.541+/-0.000 χ^2/NDF: 5373889.7/69

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -40.991+/-0.000 χ^2/NDF:31141870.1/17

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: -41.001+/-0.000 χ^2/NDF: 58887645.4/34

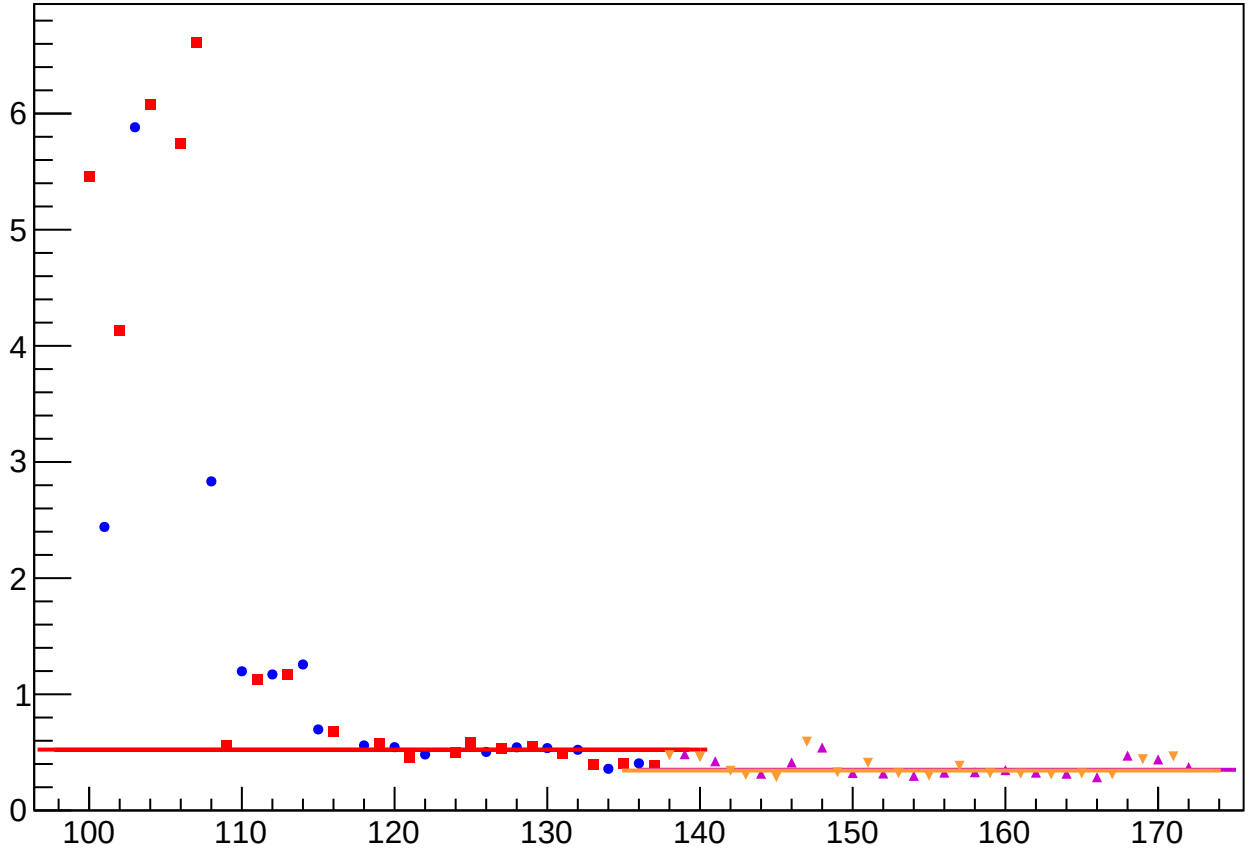
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.008+/-0.000 χ^2/NDF:3477354723.0/32

Out: -40.728+/-0.000 χ^2/NDF:2566334919.4/36

All: -40.865+/-0.000 χ^2/NDF: 6048626355.7/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.344+/-0.000 χ^2/NDF:909369.1/17

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: 0.347+/-0.000 χ^2/NDF: 1680182.9/34

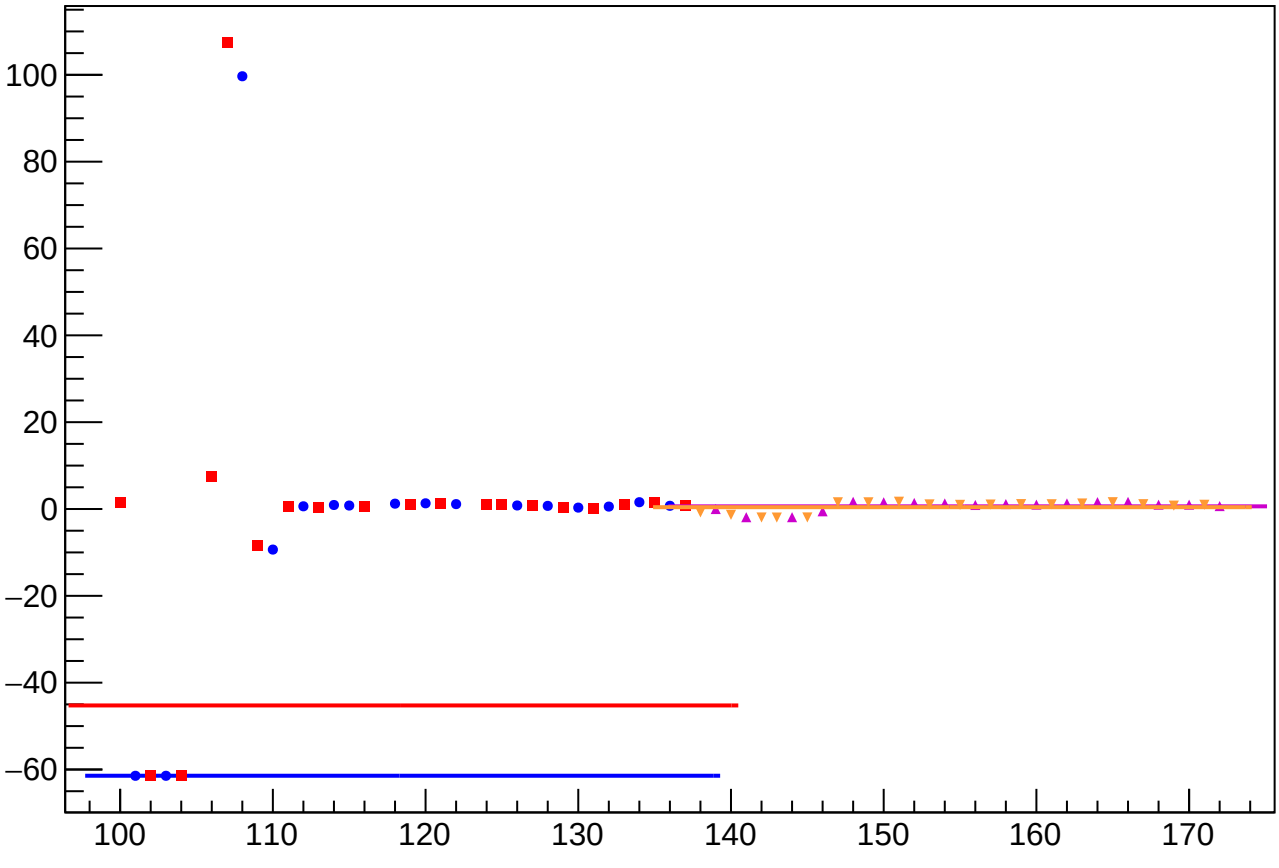
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.376+/-0.000 χ^2/NDF:4642152.3/32

Out: 0.369+/-0.000 χ^2/NDF:5176079.3/36

All: 0.372+/-0.000 χ^2/NDF: 9824628.1/69

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.418+/-0.000 χ^2/NDF:102092732.8/17

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: 0.513+/-0.000 χ^2/NDF: 180453892.7/34

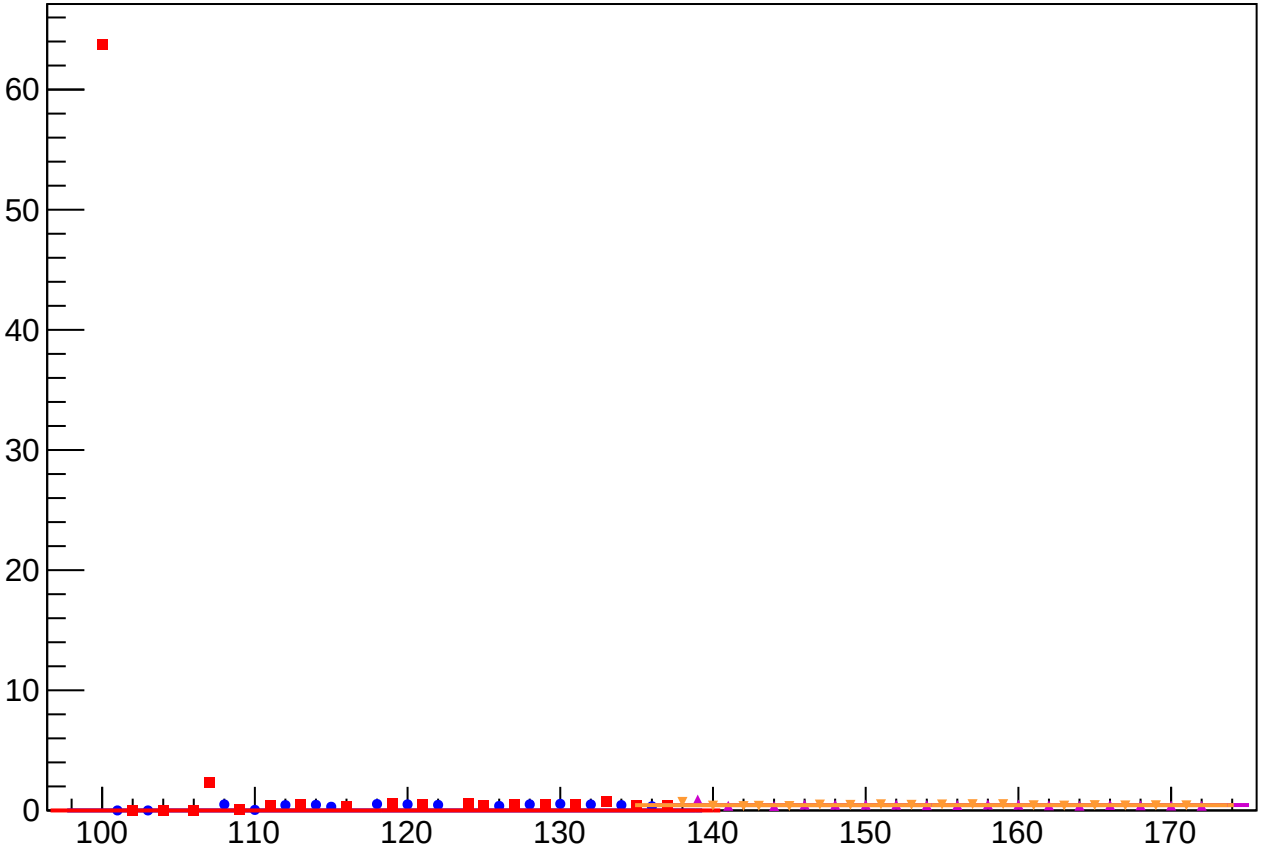
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.427+/-0.000 χ^2/NDF:486299923760.3/32

Out: -45.239+/-0.000 χ^2/NDF:357992839895401.5

All: -52.741+/-0.000 χ^2/NDF: 409445378598

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.440+/-0.000 χ^2/NDF:465668.8/17

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: 0.445+/-0.000 χ^2/NDF: 1084620.0/34

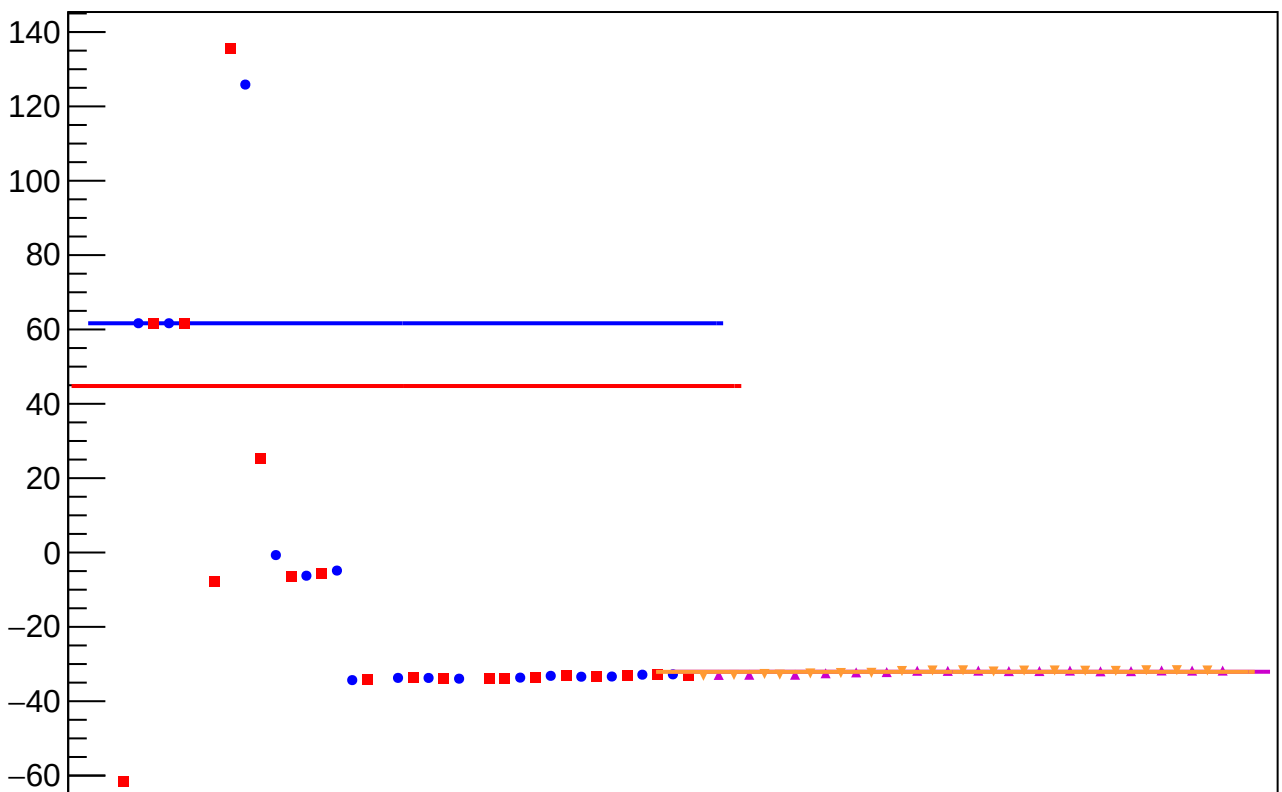
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.002+/-0.000 χ^2/NDF:32077689.4/32

Out: 0.002+/-0.000 χ^2/NDF:32429055.2/36

All: 0.002+/-0.000 χ^2/NDF: 64506779.5/69

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.100+/-0.000 χ^2/NDF:36985880.6/17

Right Out: 44.786+/-0.000 χ^2/NDF: 3660947782299 51.8/18

Left In: -32.075+/-0.000 χ^2/NDF:28016332.5/16

Left: -32.088+/-0.000 χ^2/NDF: 65050582.0/34

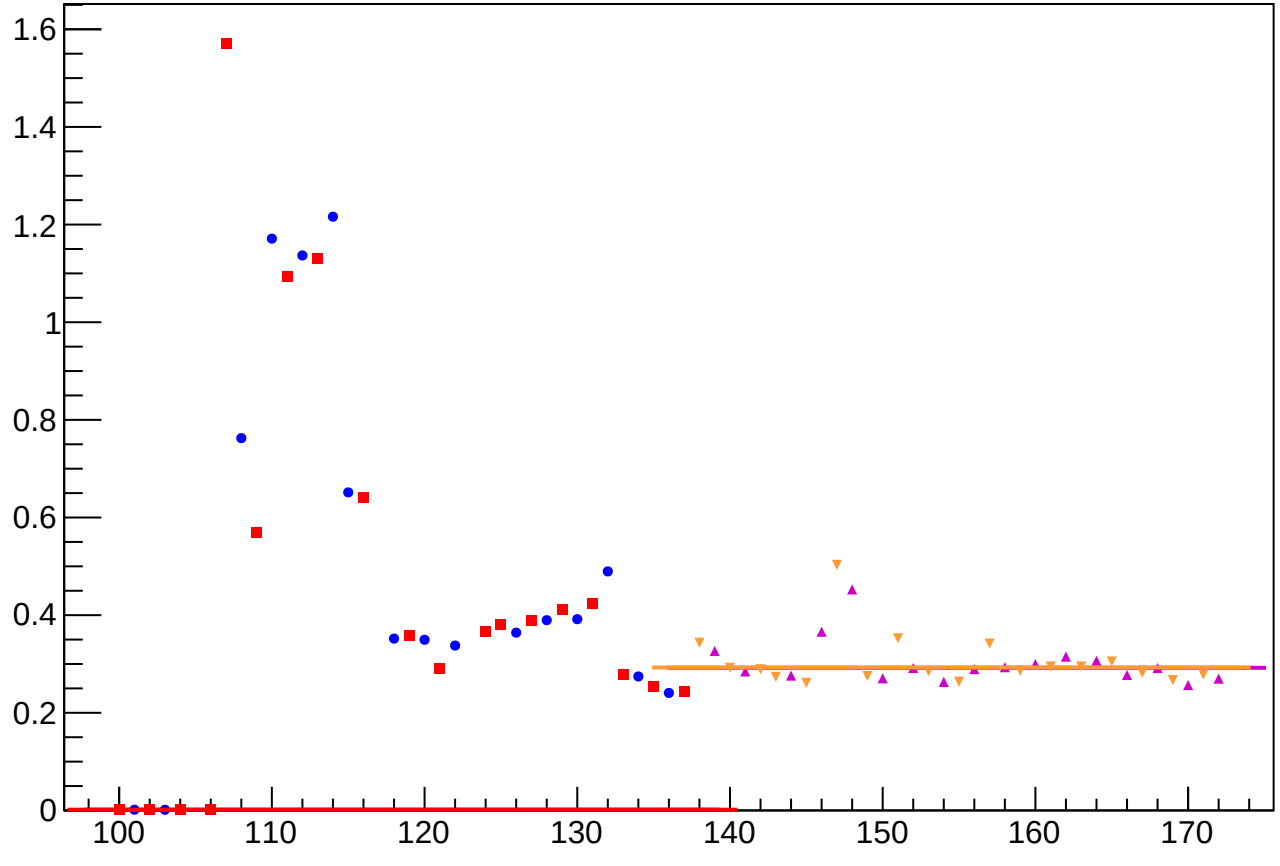
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.0

In: 61.619+/-0.000 χ^2/NDF:1737573729711.5/32

Out: 44.754+/-0.000 χ^2/NDF:367024016429014.2

All: 52.652+/-0.000 χ^2/NDF: 419816880871

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.293+/-0.000 χ^2/NDF:470546.7/17

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: 0.293+/-0.000 χ^2/NDF: 849367.9/34

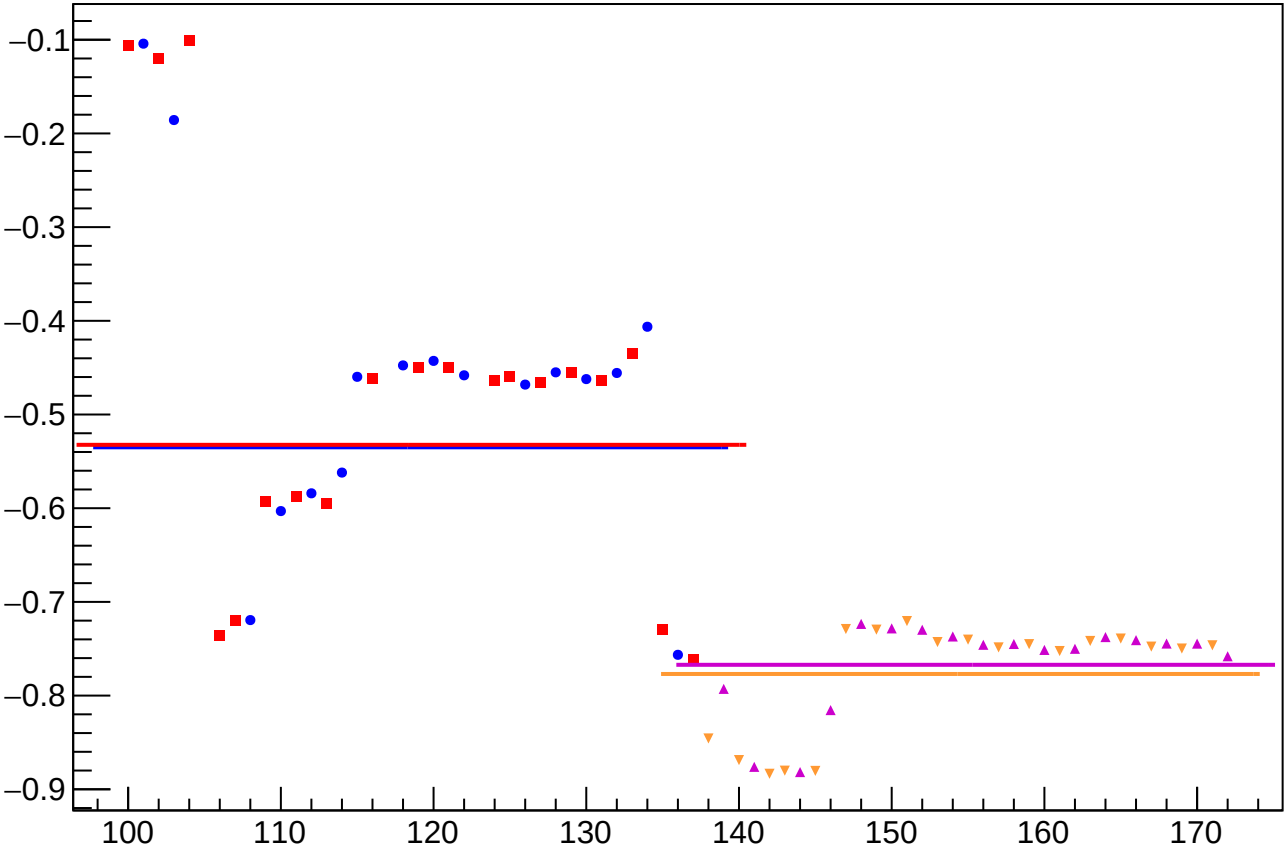
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:37709386.2/32

Out: 0.002+/-0.000 χ^2/NDF:37709514.5/36

All: 0.002+/-0.000 χ^2/NDF: 75418907.3/69

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.777+/-0.000 χ^2/NDF:111280297.4/17

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: 190374206.0/34

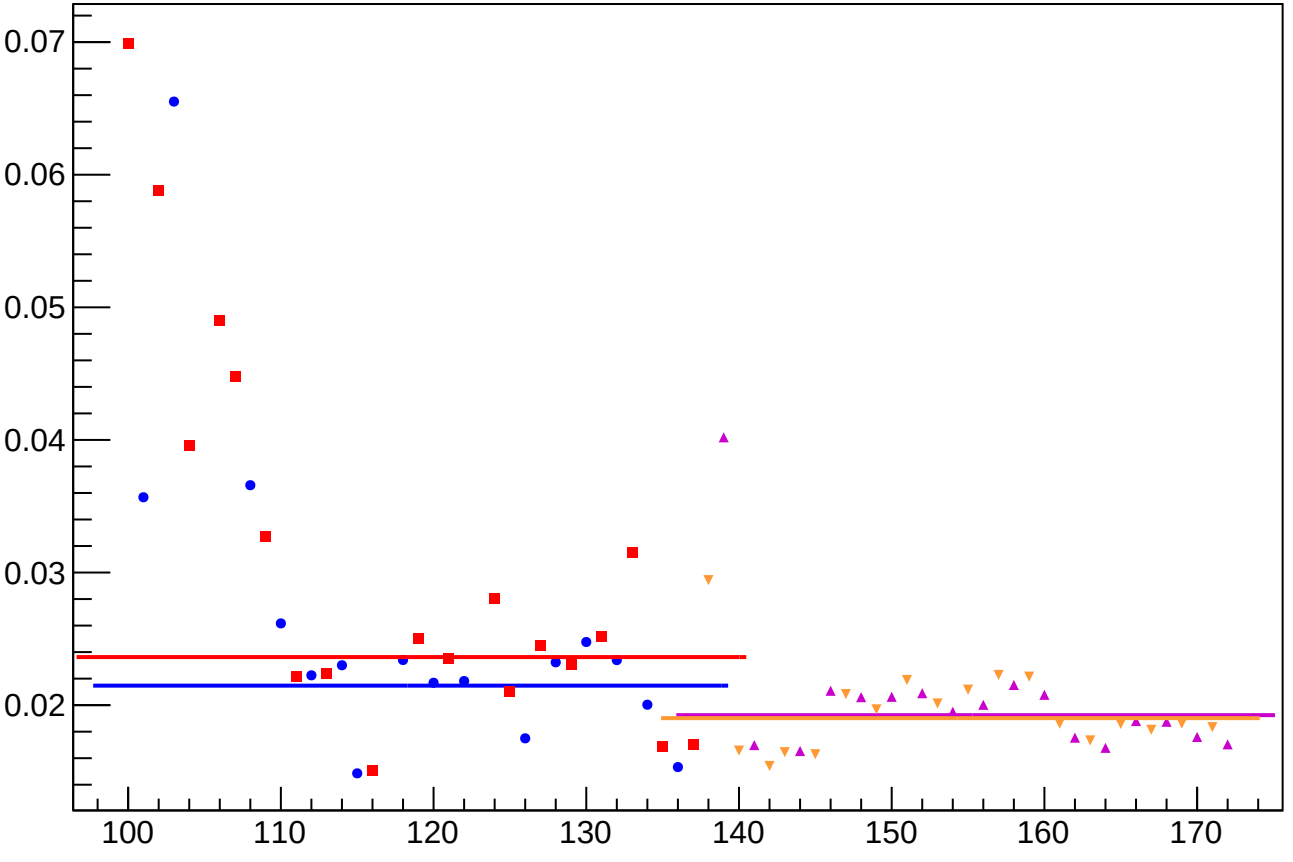
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.702+/-0.000 χ^2/NDF:830517555.7/32

Out: -0.718+/-0.000 χ^2/NDF:778794959.0/36

All: -0.710+/-0.000 χ^2/NDF: 1614206035.9/6

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.019+/-0.000 χ^2/NDF:412511.9/17

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: 1054395.2/34

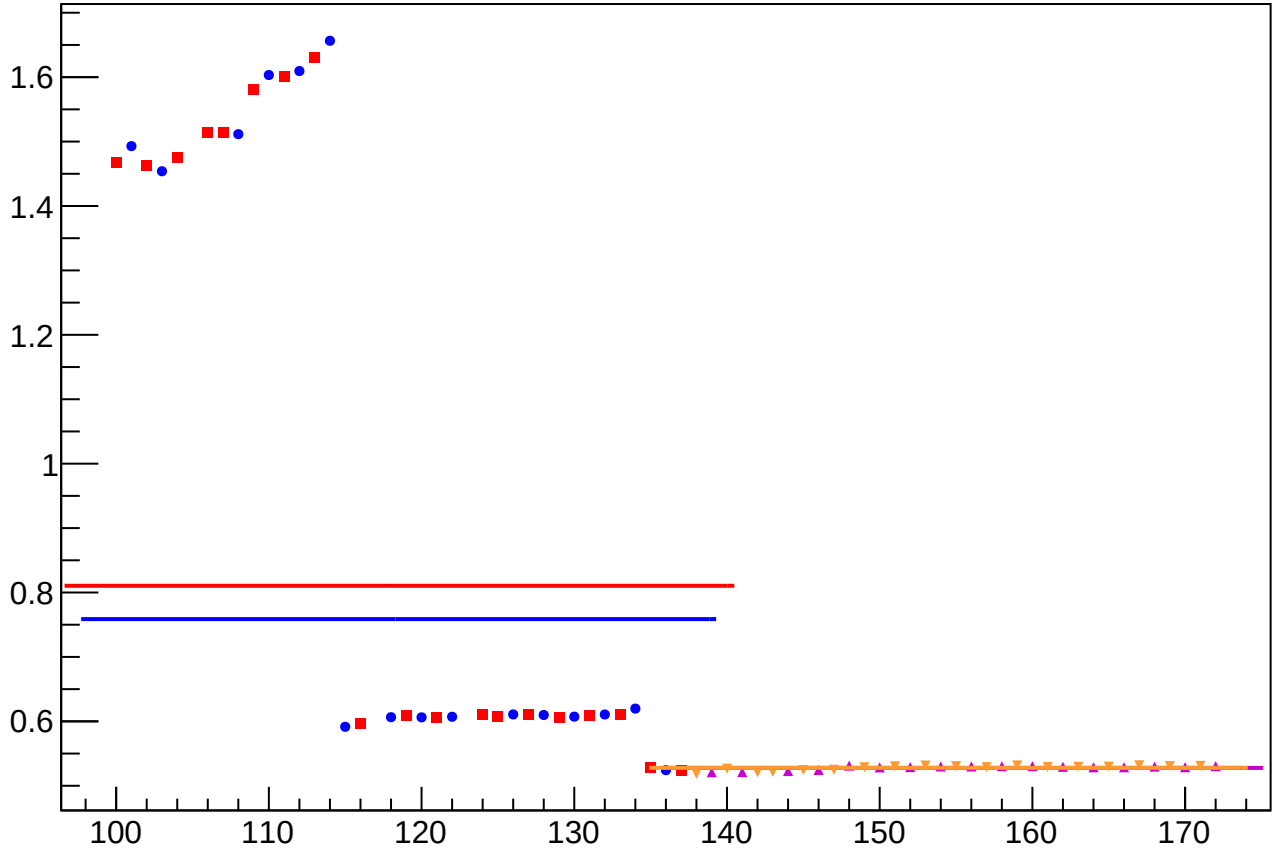
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.020+/-0.000 χ^2/NDF:1877431.0/32

Out: 0.020+/-0.000 χ^2/NDF:2011197.9/36

All: 0.020+/-0.000 χ^2/NDF: 3891601.4/69

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:1398331.0/17

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: 2424434.9/34

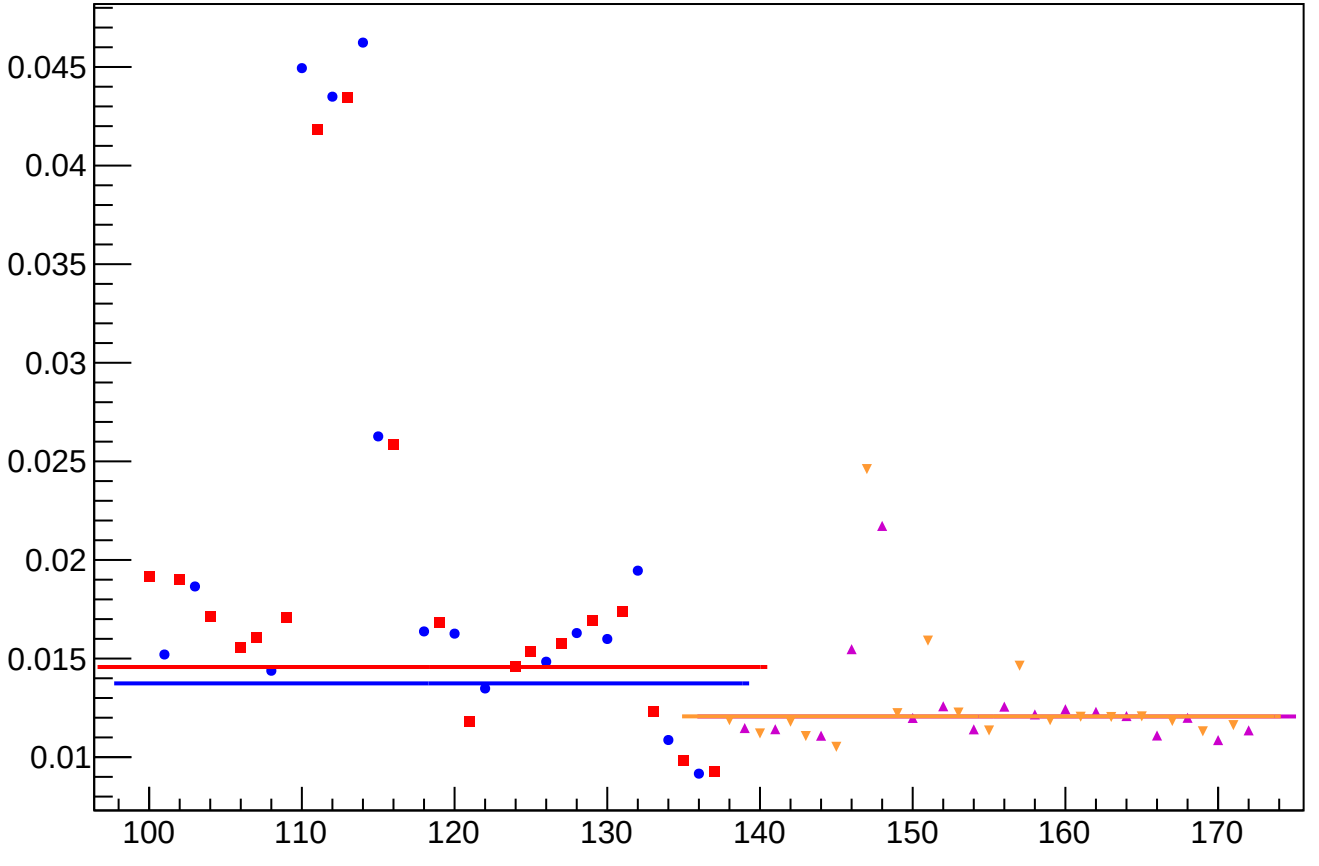
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.587+/-0.000 χ^2/NDF:5557483793.7/32

Out: 0.596+/-0.000 χ^2/NDF:6551806237.0/36

All: 0.591+/-0.000 χ^2/NDF: 12114414218.1/6

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:626170.2/17

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: 1085699.1/34

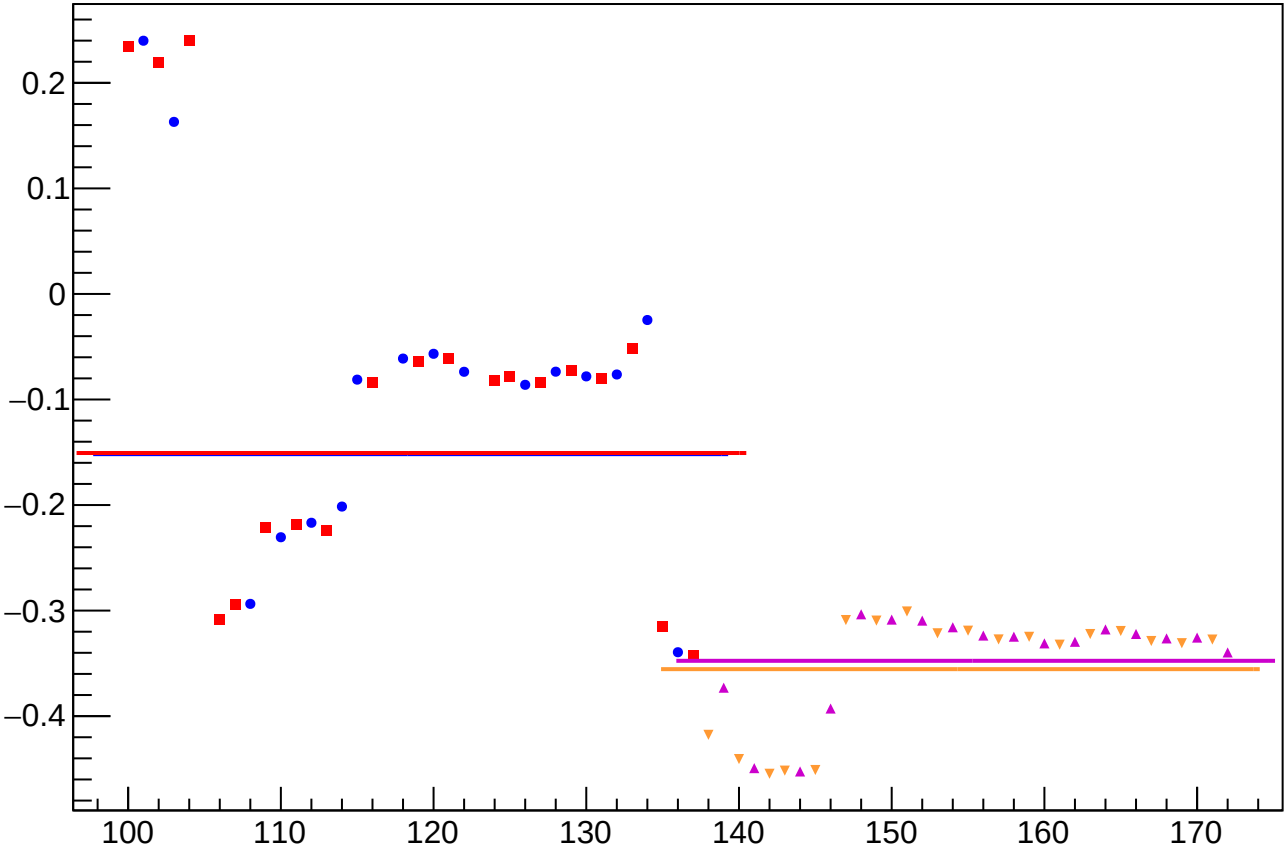
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.012+/-0.000 χ^2/NDF:2241374.6/32

Out: 0.013+/-0.000 χ^2/NDF:2360680.6/36

All: 0.013+/-0.000 χ^2/NDF: 4605988.2/69

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.355+/-0.000 χ^2/NDF:107364285.2/17

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: -0.352+/-0.000 χ^2/NDF: 186504976.8/34

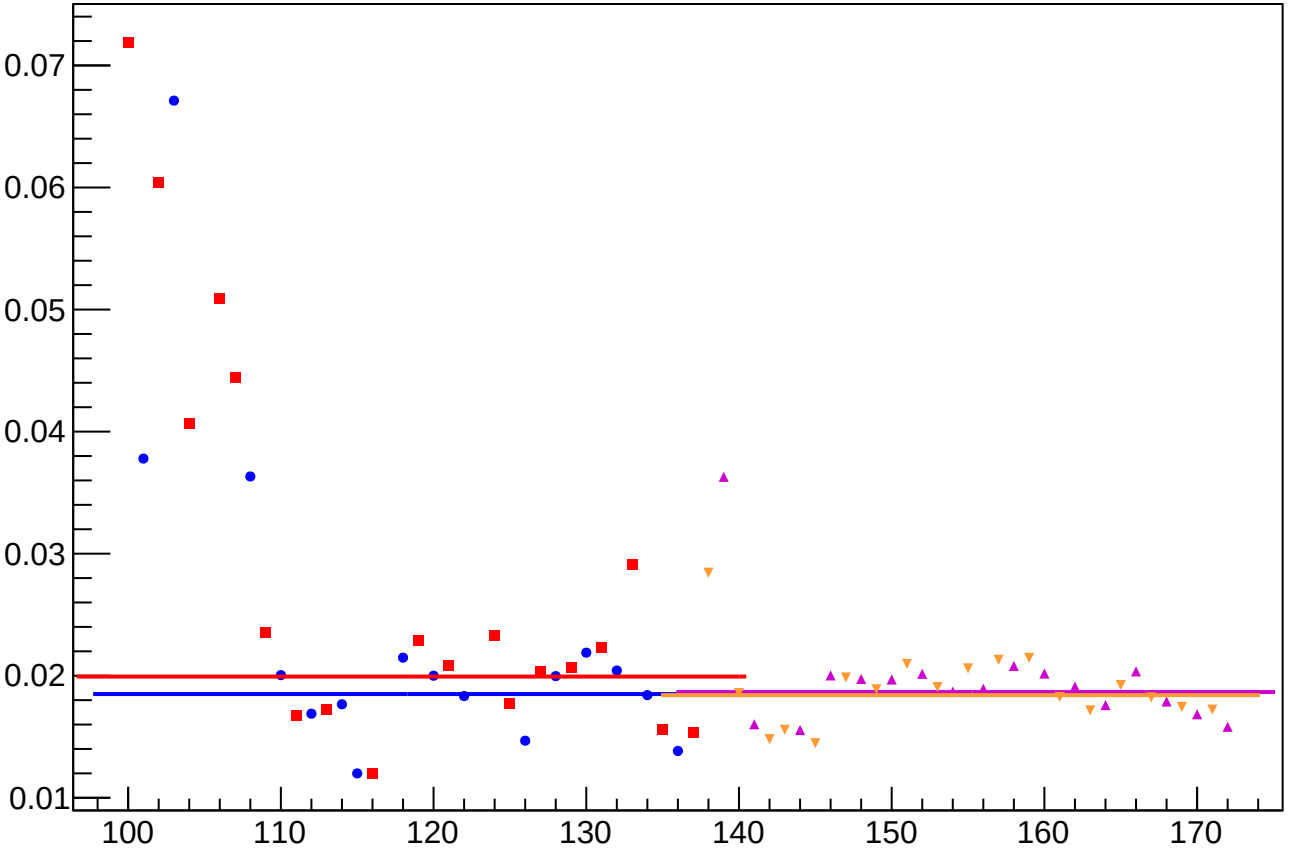
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.284+/-0.000 χ^2/NDF:755203254.1/32

Out: -0.296+/-0.000 χ^2/NDF:715953973.4/36

All: -0.290+/-0.000 χ^2/NDF: 1474590612.0/6

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:447988.6/17

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: 0.019+/-0.000 χ^2/NDF: 1050780.5/34

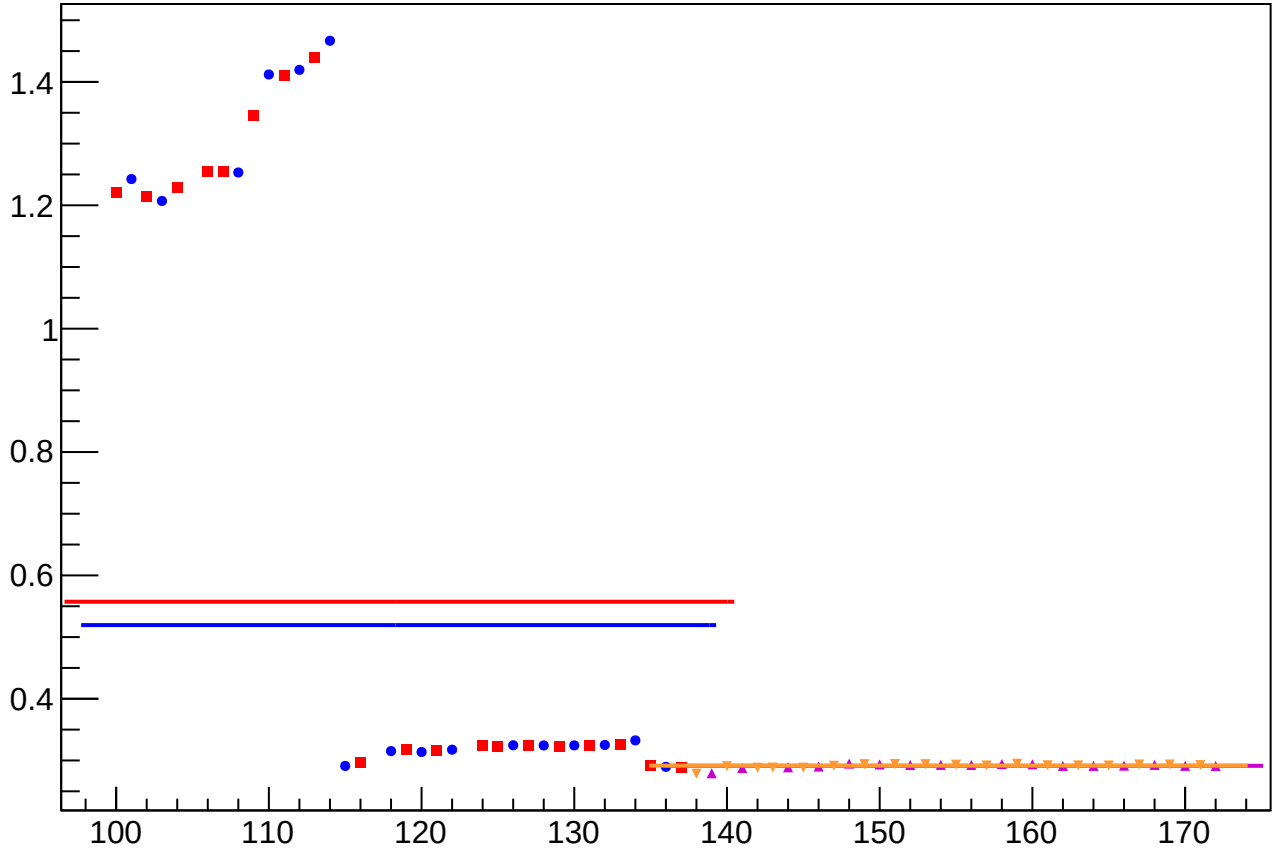
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:1973642.9/32

Out: 0.019+/-0.000 χ^2/NDF:2040589.3/36

All: 0.019+/-0.000 χ^2/NDF: 4016993.6/69

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:1201322.4/17

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: 2392801.5/34

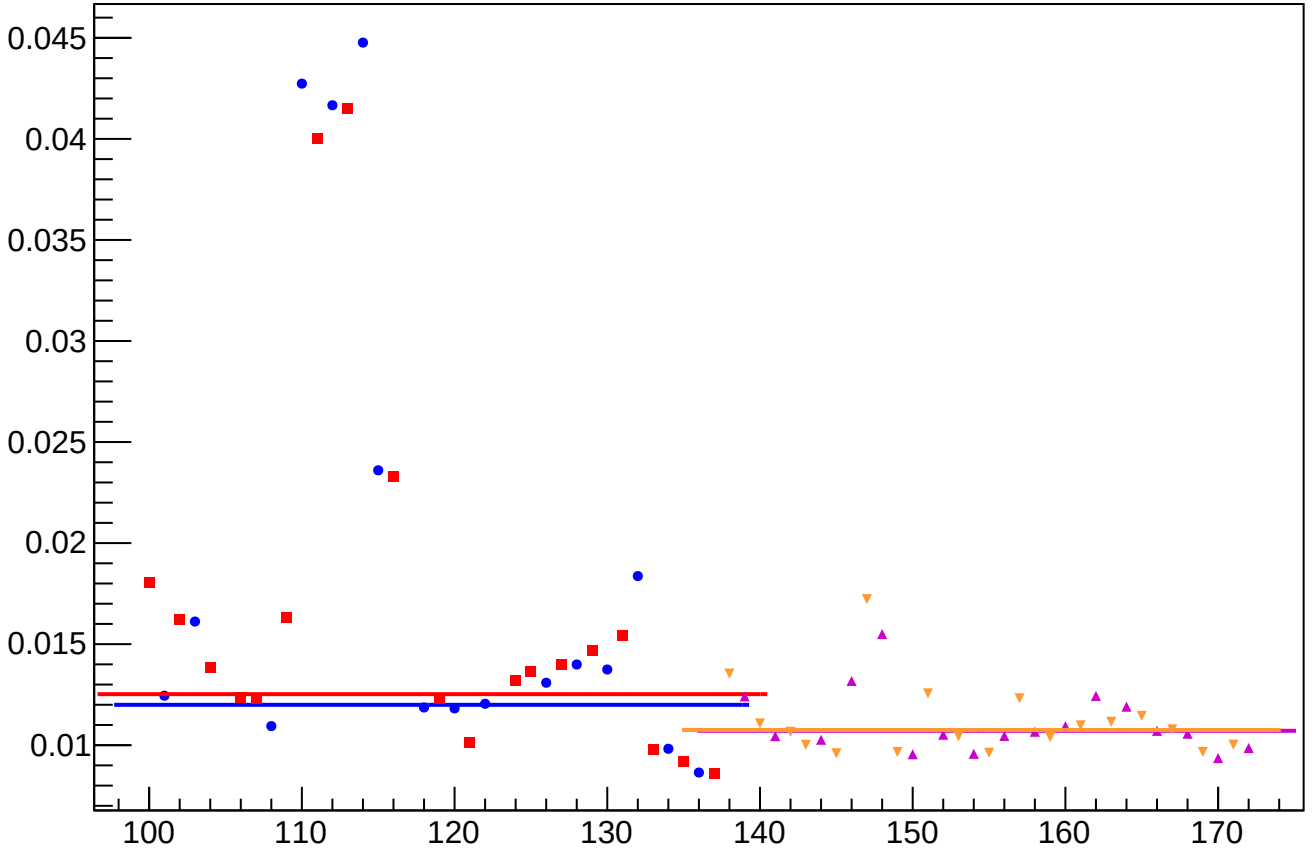
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.351+/-0.000 χ^2/NDF:7906949651.3/32

Out: 0.358+/-0.000 χ^2/NDF:8810952876.6/36

All: 0.355+/-0.000 χ^2/NDF: 16721614248.3/6

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1491608.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:460764.9/17

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: 844369.9/34

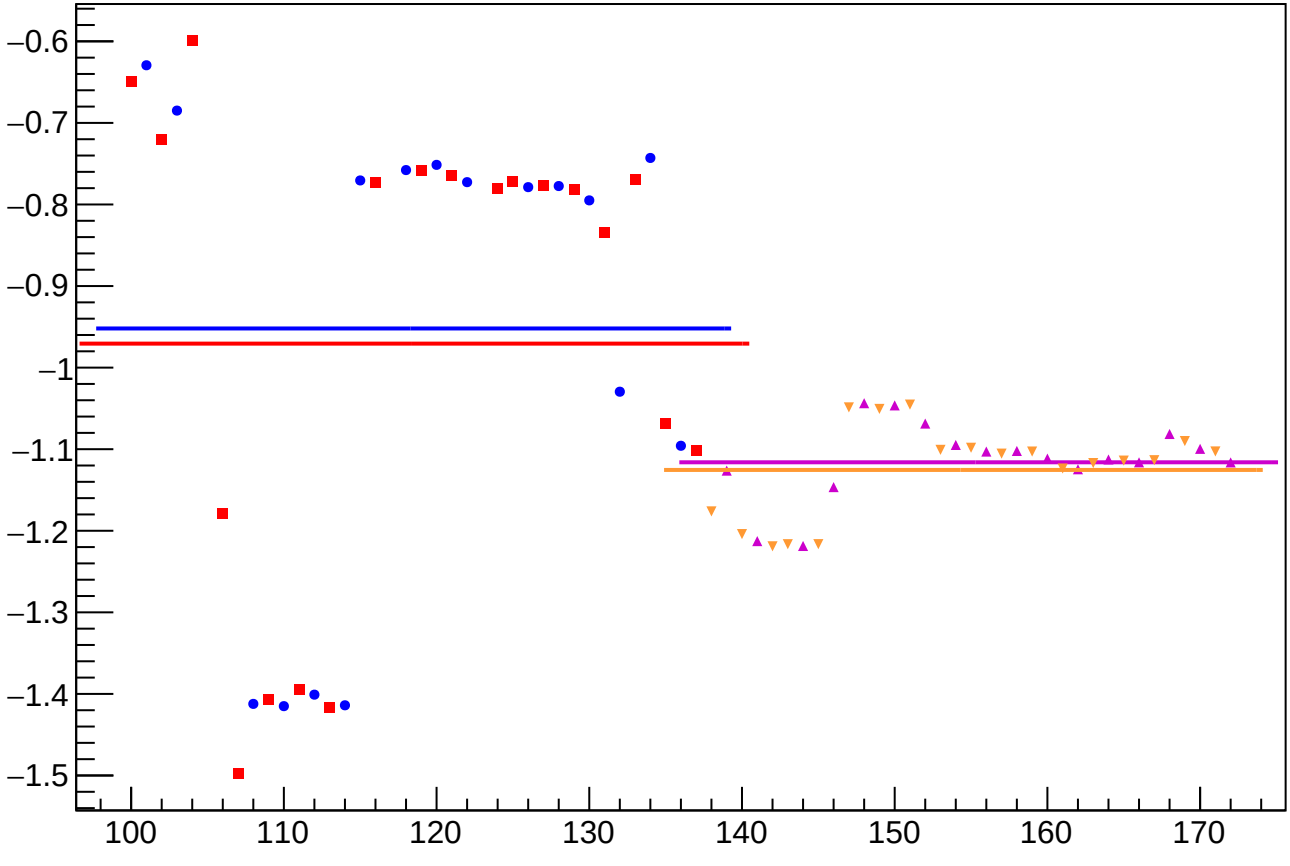
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:1975650.1/32

Out: 0.011+/-0.000 χ^2/NDF:2078222.1/36

All: 0.011+/-0.000 χ^2/NDF: 4057304.4/69

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:102334581.9/17

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: 179034878.8/34

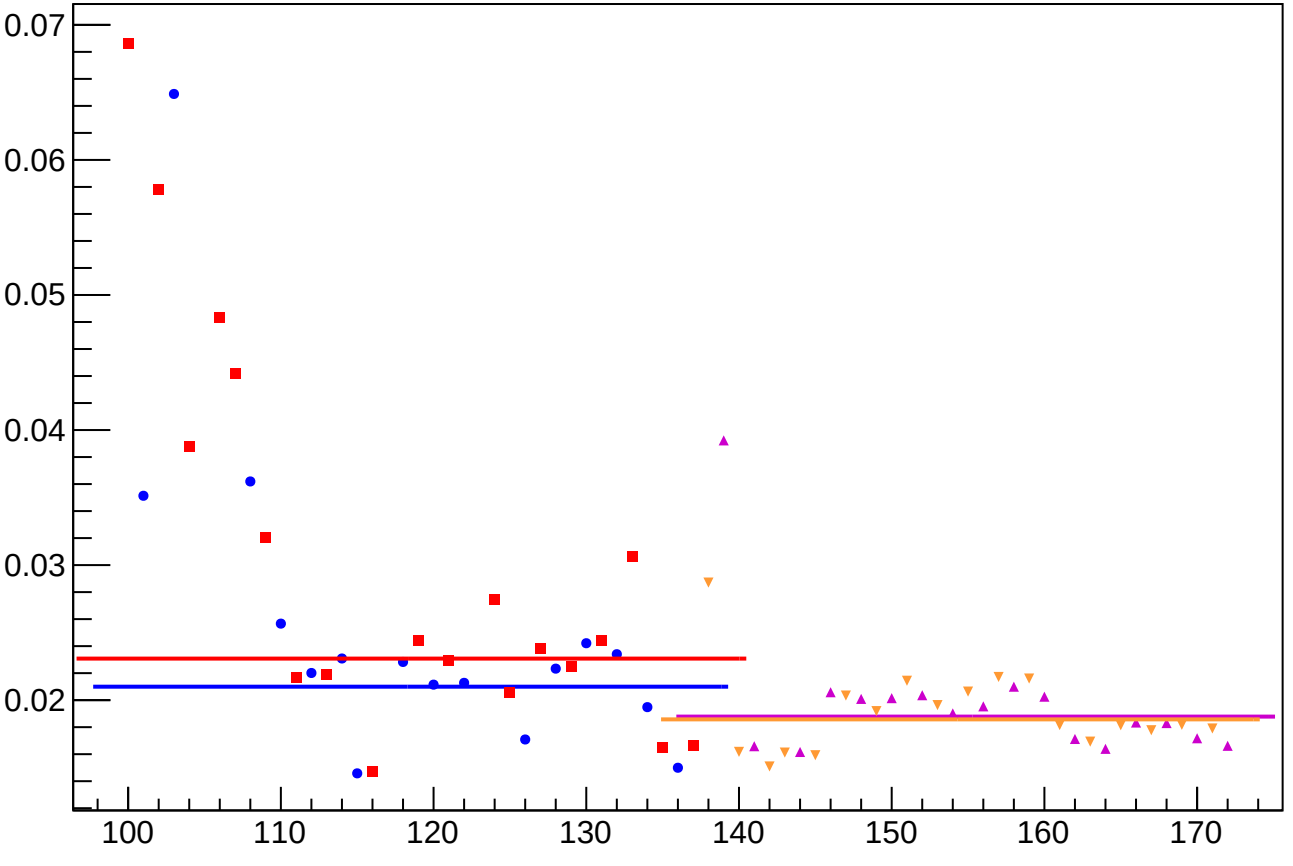
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.071+/-0.000 χ^2/NDF:1010847540.4/32

Out: -1.088+/-0.000 χ^2/NDF:1006837470.6/36

All: -1.079+/-0.000 χ^2/NDF: 2024415939.9/6

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.019+/-0.000 χ^2/NDF:408658.7/17

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: 1049065.5/34

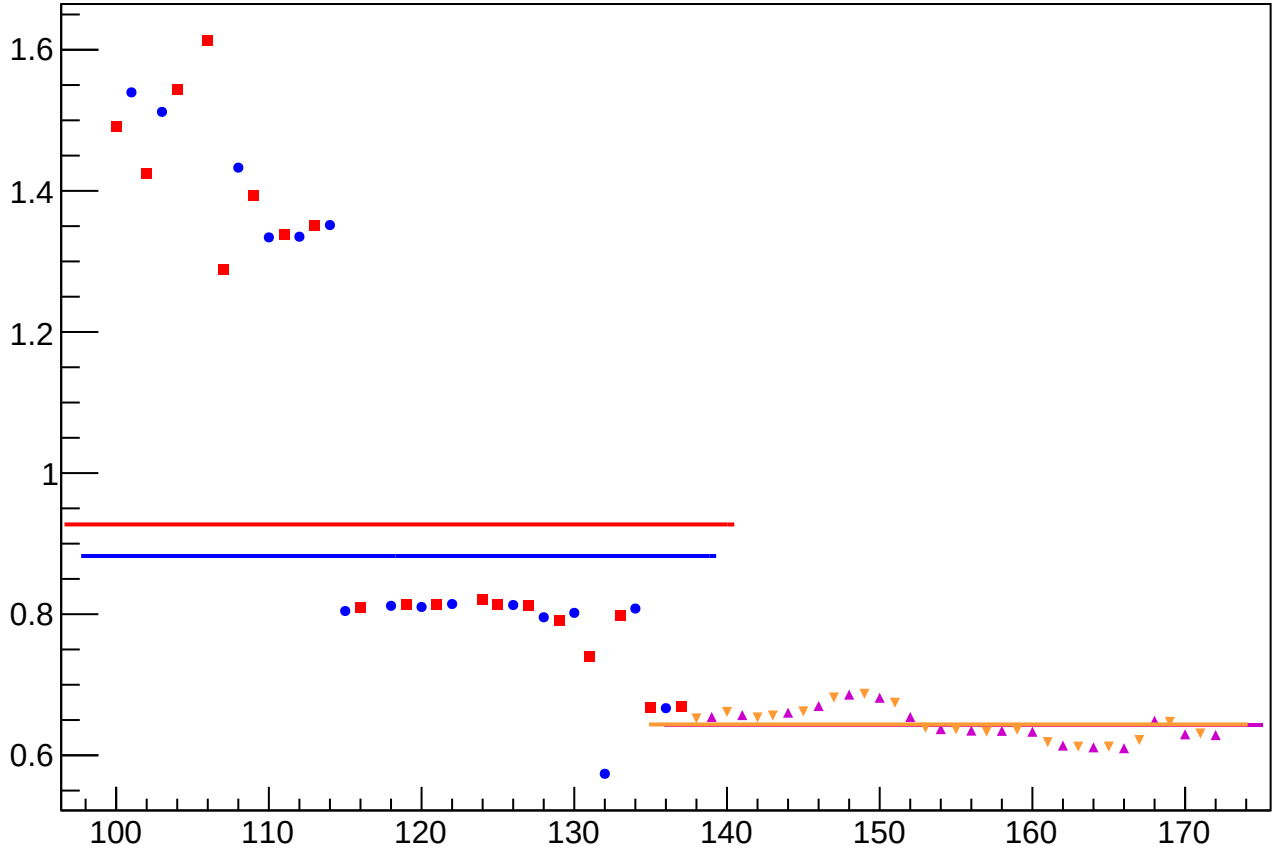
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.019+/-0.000 χ^2/NDF:1892109.2/32

Out: 0.020+/-0.000 χ^2/NDF:2010940.4/36

All: 0.020+/-0.000 χ^2/NDF: 3906084.7/69

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.644+/-0.000 χ^2/NDF:39326047.5/17

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: 76326851.3/34

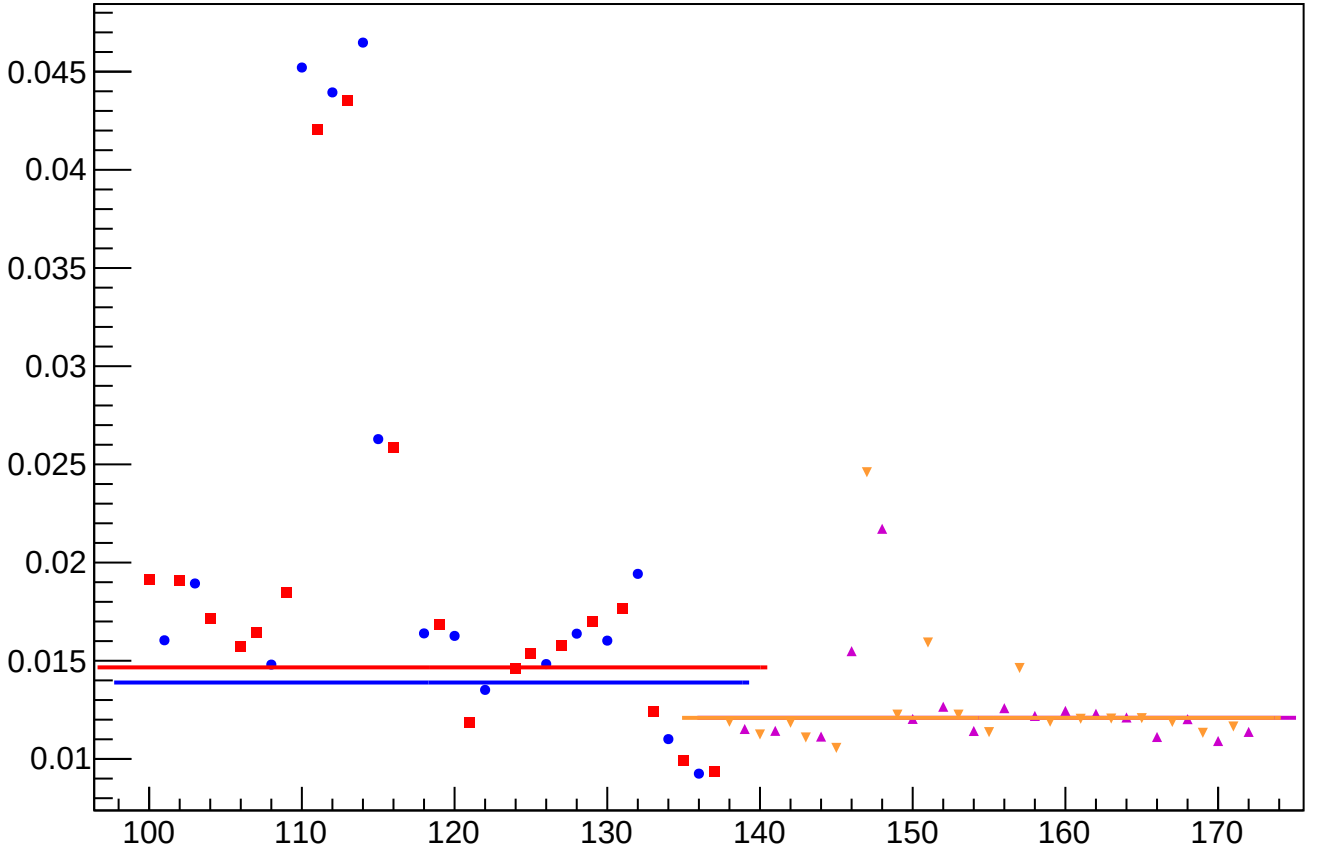
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.703+/-0.000 χ^2/NDF:4139881918.9/32

Out: 0.711+/-0.000 χ^2/NDF:4569047988.5/36

All: 0.707+/-0.000 χ^2/NDF: 8712842768.8/69

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:620810.4/17

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: 1076469.2/34

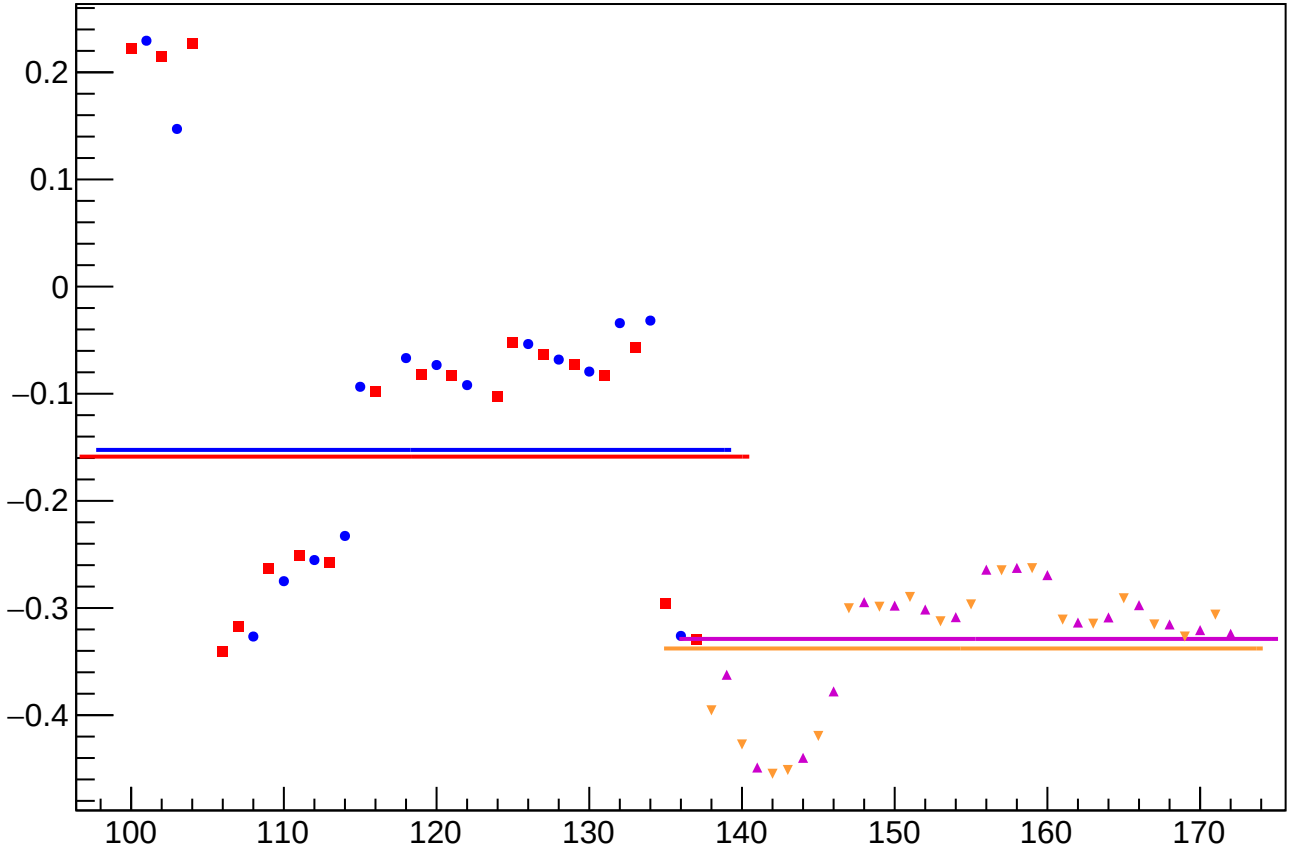
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:2250695.4/32

Out: 0.013+/-0.000 χ^2/NDF:2378341.6/36

All: 0.013+/-0.000 χ^2/NDF: 4632044.8/69

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.338+/-0.000 χ^2/NDF:126206018.2/17

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: 231140794.3/34

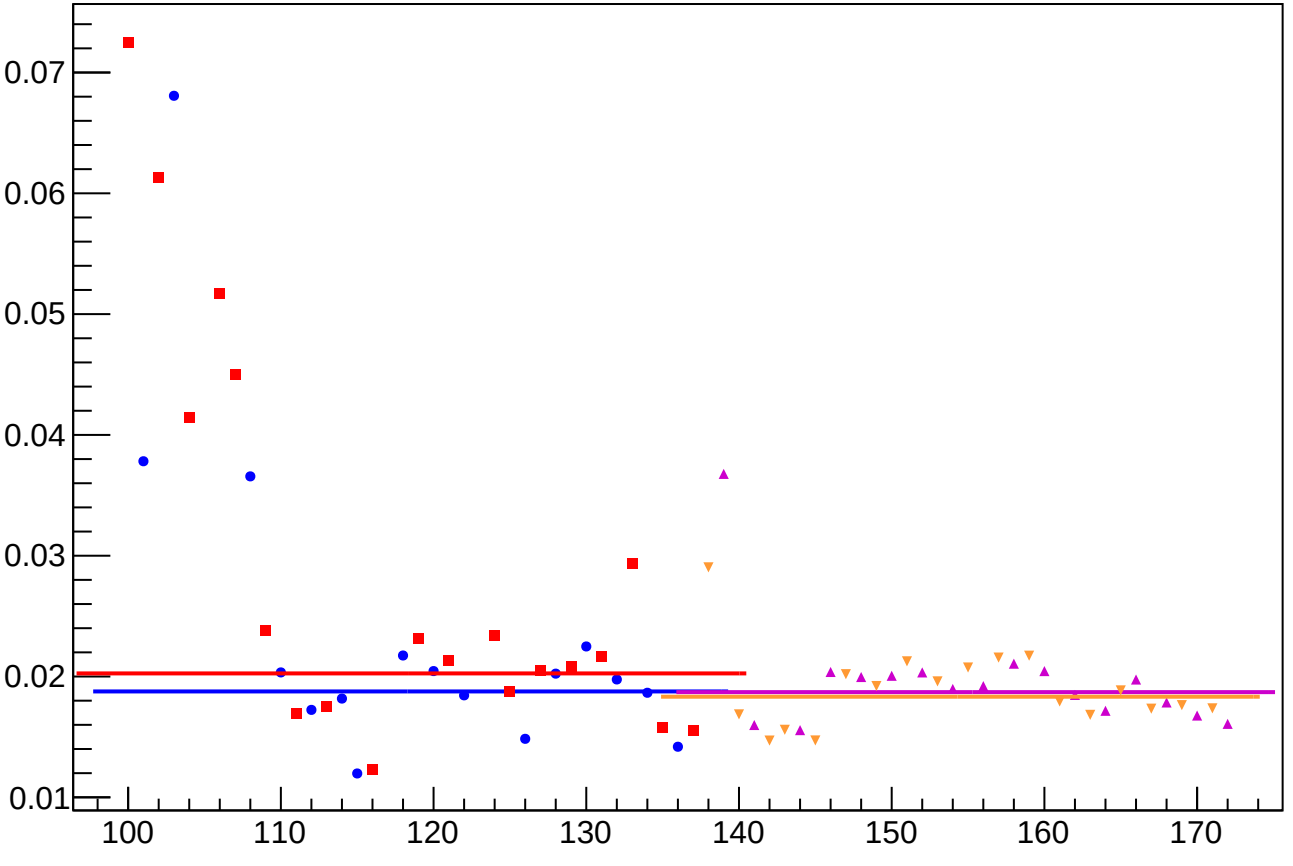
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.273+/-0.000 χ^2/NDF:695837455.3/32

Out: -0.287+/-0.000 χ^2/NDF:627655699.6/36

All: -0.280+/-0.000 χ^2/NDF: 1328680151.9/6

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:491551.8/17

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: 0.019+/-0.000 χ^2/NDF: 1118315.5/34

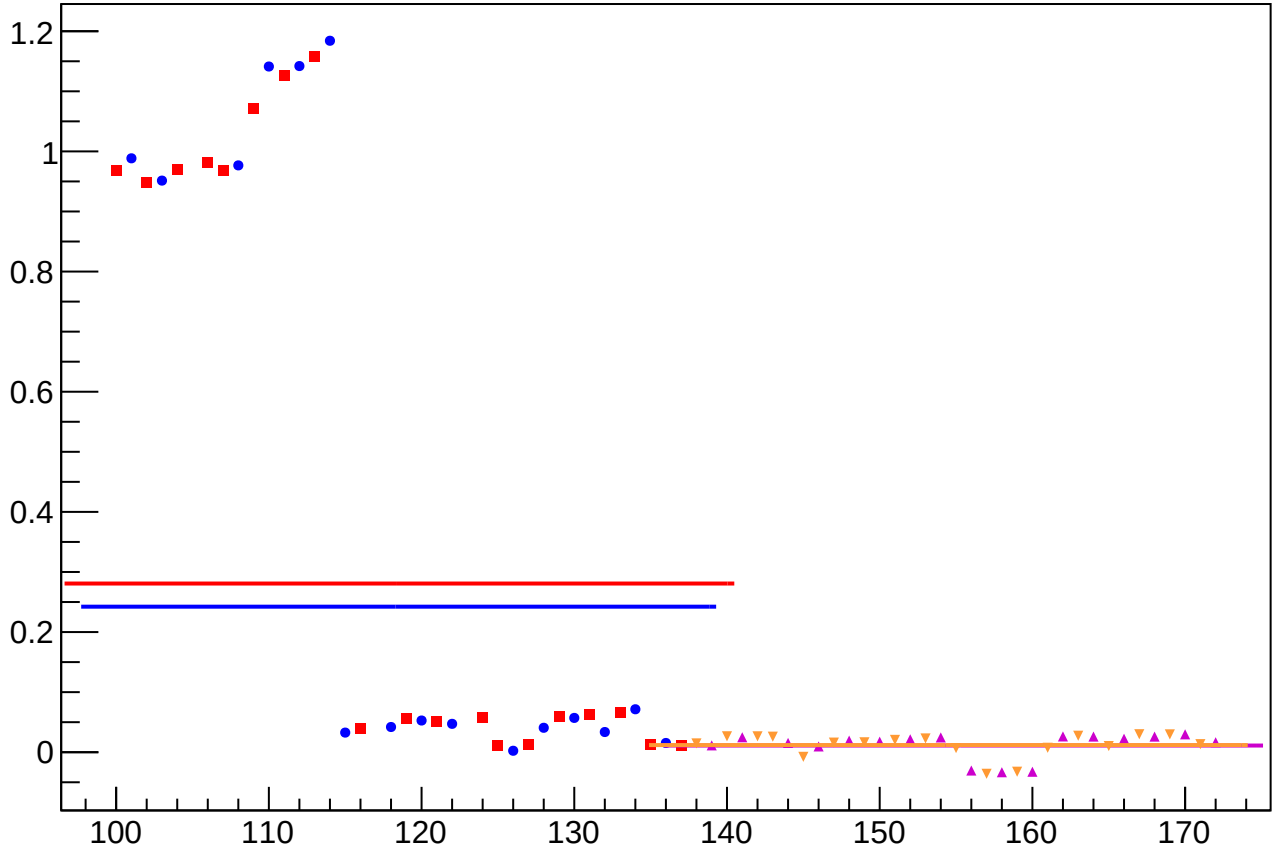
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1971509.5/32

Out: 0.019+/-0.000 χ^2/NDF:2092135.4/36

All: 0.019+/-0.000 χ^2/NDF: 4064631.8/69

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:44221361.3/17

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: 99527371.9/34

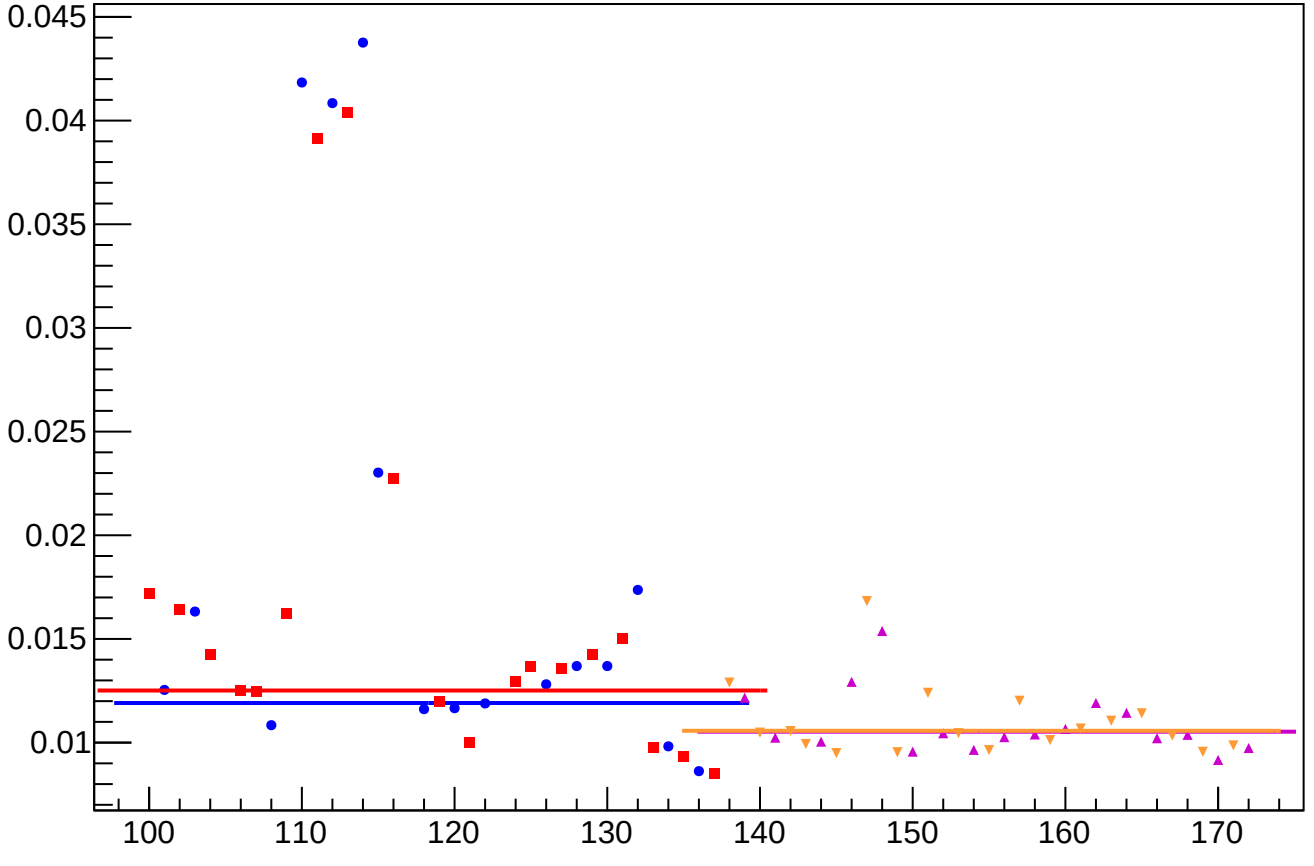
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.071+/-0.000 χ^2/NDF:8226602675.4/32

Out: 0.078+/-0.000 χ^2/NDF:8939927834.0/36

All: 0.074+/-0.000 χ^2/NDF: 17169935169.0/6

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:427072.4/17

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: 786627.1/34

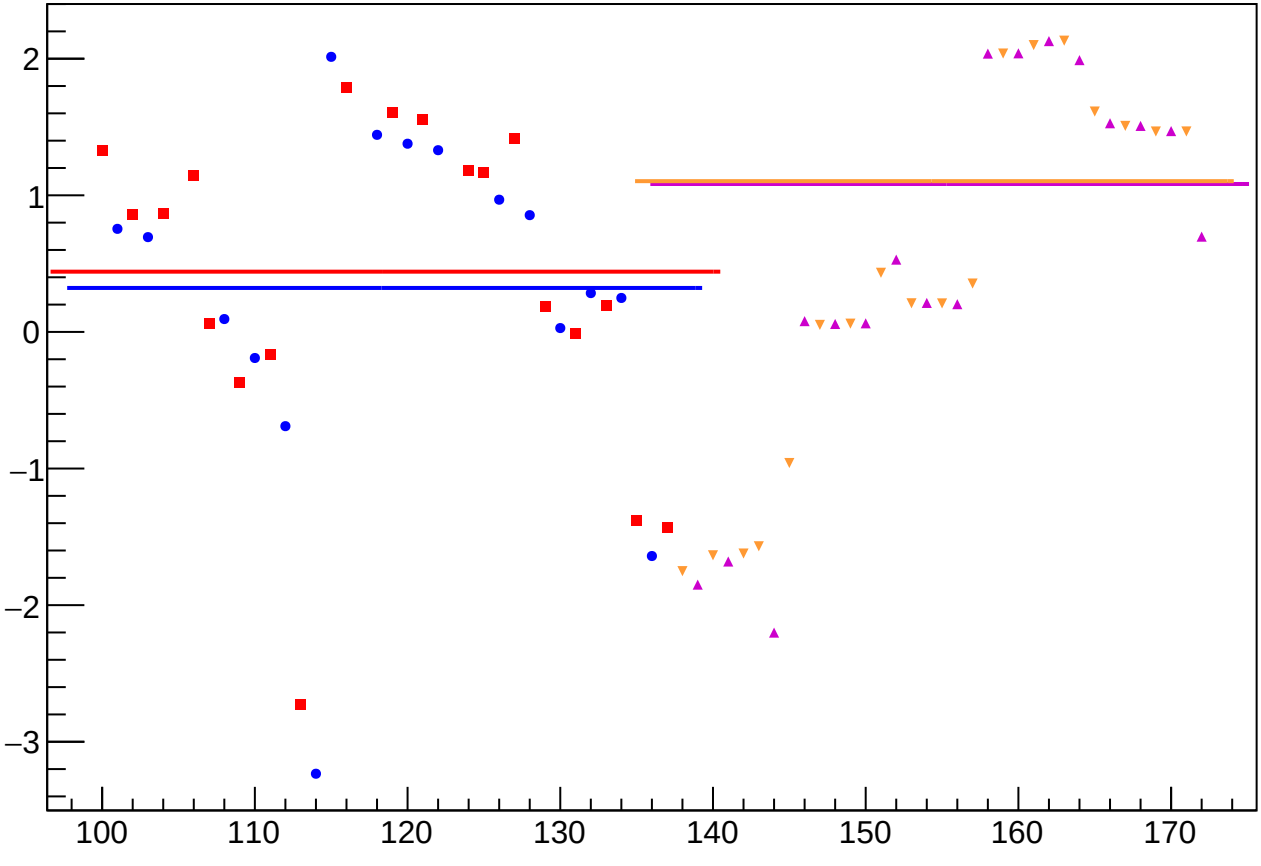
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1937971.6/32

Out: 0.011+/-0.000 χ^2/NDF:2042696.3/36

All: 0.011+/-0.000 χ^2/NDF: 3984748.6/69

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 1.104+/-0.000 χ^2/NDF:29519979836.5/17

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: 1.093+/-0.000 χ^2/NDF: 63419676409.8/34

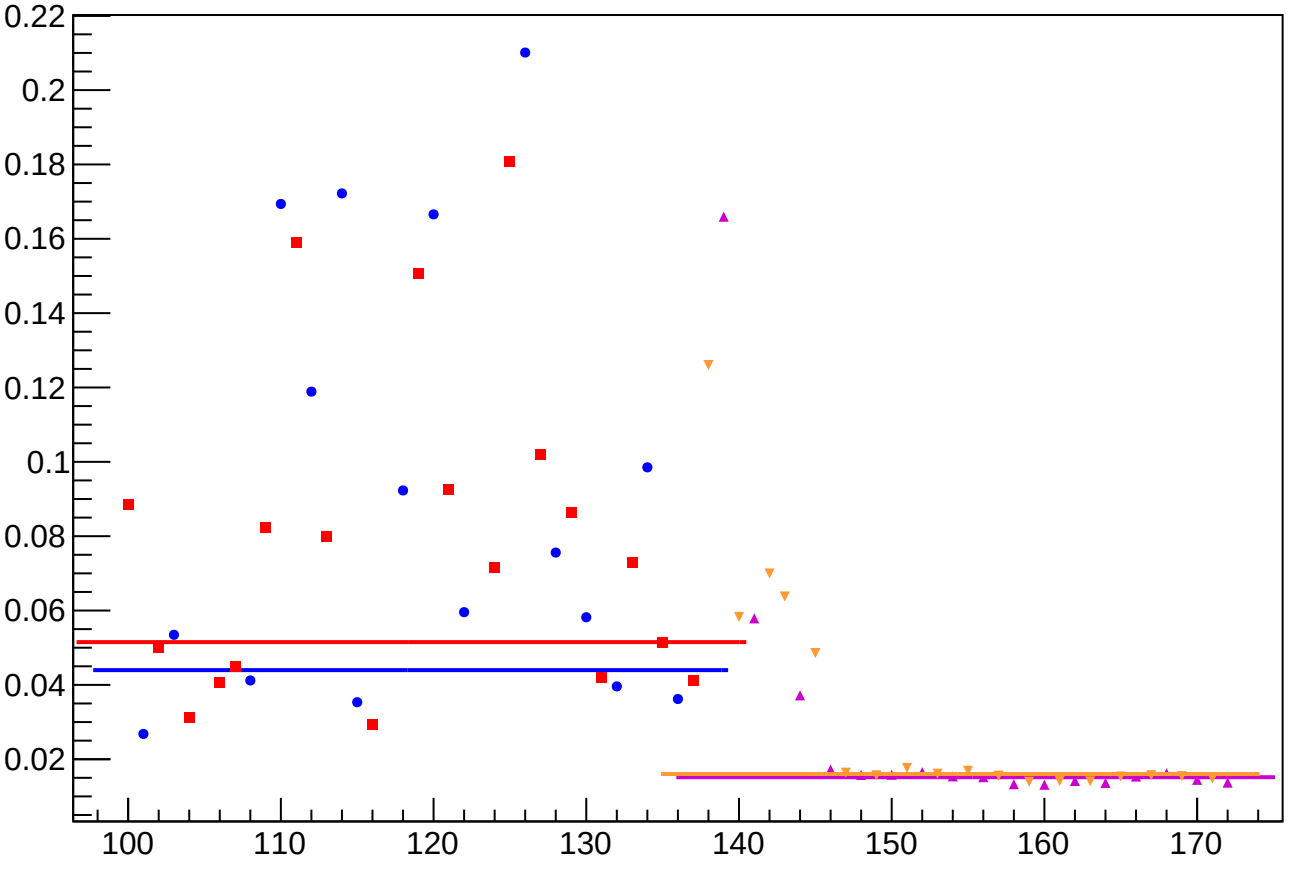
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 1.050+/-0.000 χ^2/NDF:36655631418.3/32

Out: 1.077+/-0.000 χ^2/NDF:32010203359.6/36

All: 1.063+/-0.000 χ^2/NDF: 68681618544.7/6

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.016+/-0.000 χ^2/NDF:2890871.9/17

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: 0.016+/-0.000 χ^2/NDF: 5090886.4/34

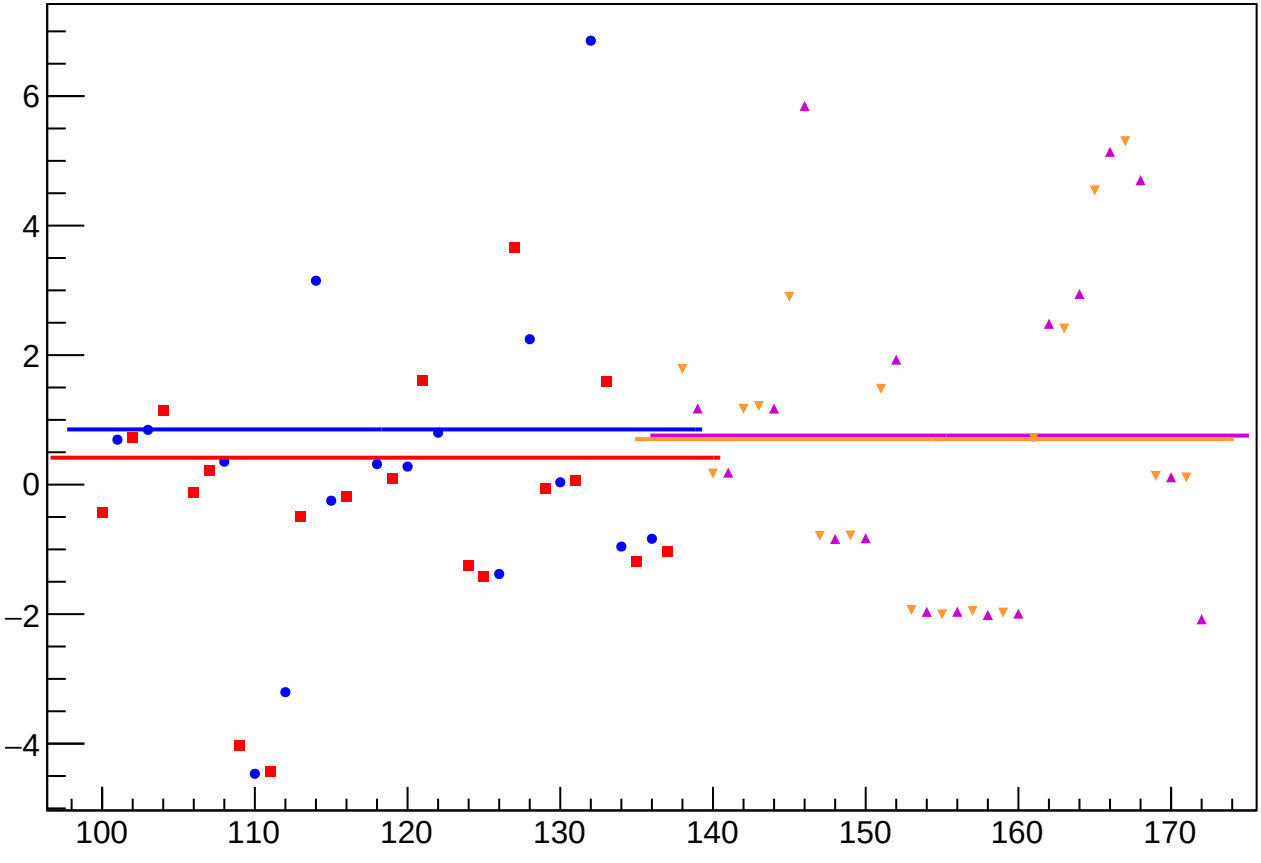
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.016+/-0.000 χ^2/NDF:8109472.4/32

Out: 0.017+/-0.000 χ^2/NDF:9236568.0/36

All: 0.017+/-0.000 χ^2/NDF: 17393448.1/69

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.703+/-0.000 χ^2/NDF:386990069825.6/17

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: 0.731+/-0.000 χ^2/NDF: 955090881773.7/34

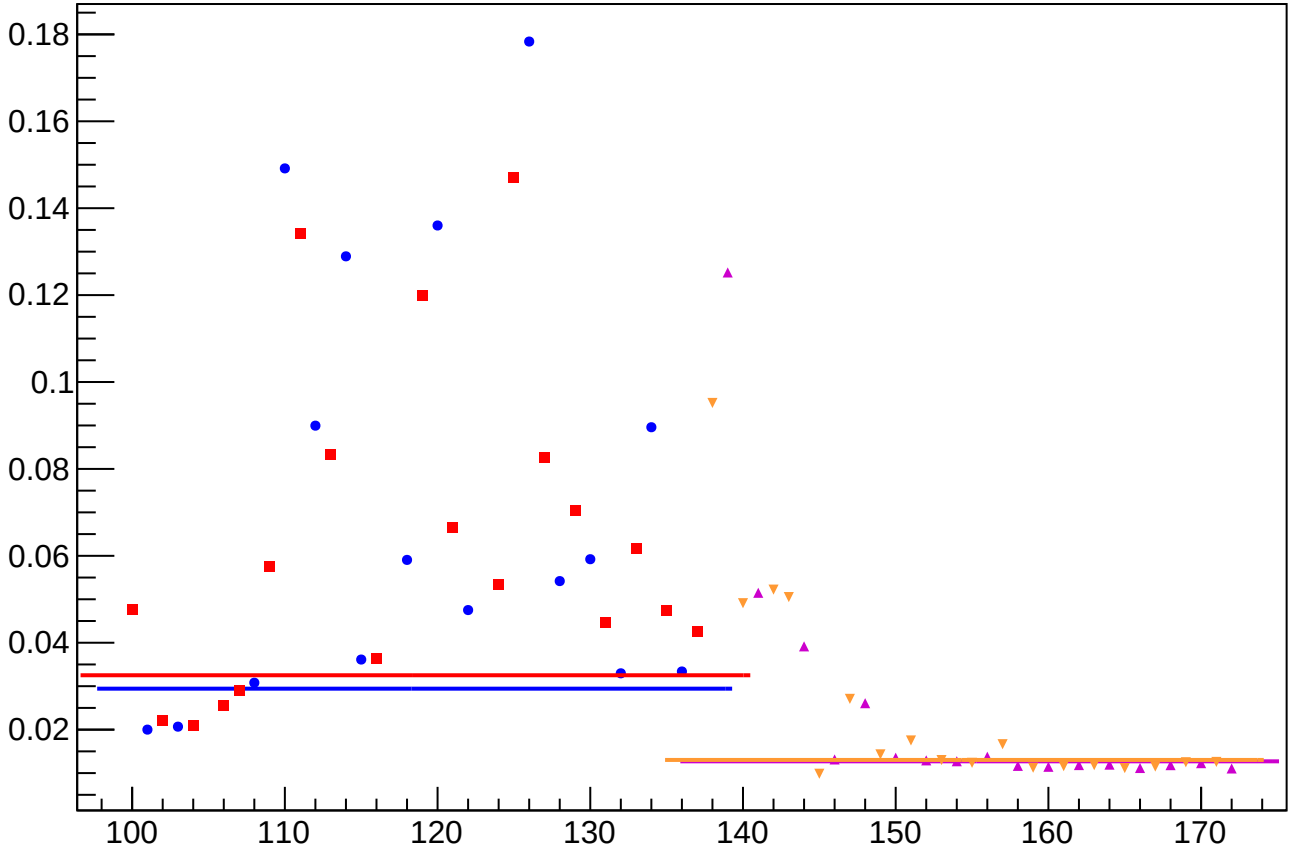
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.763+/-0.000 χ^2/NDF:579615827594.0/32

Out: 0.686+/-0.000 χ^2/NDF:392414847380.0/36

All: 0.726+/-0.000 χ^2/NDF: 972235696323.8

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:3112424.1/17

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: 5838456.6/34

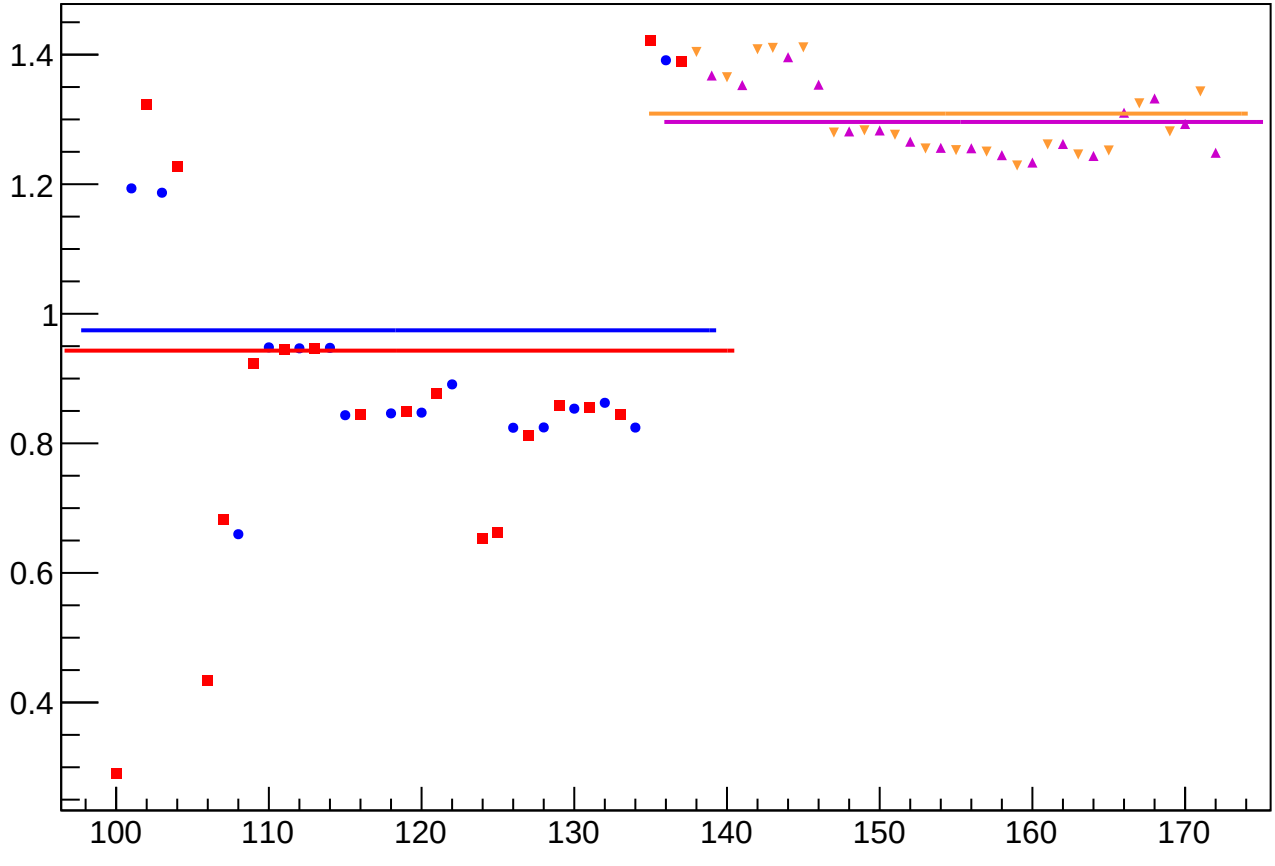
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.014+/-0.000 χ^2/NDF:8155813.7/32

Out: 0.014+/-0.000 χ^2/NDF:9221205.9/36

All: 0.014+/-0.000 χ^2/NDF: 17393039.9/69

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.309+/-0.000 χ^2/NDF:267488878.4/17

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: 1.303+/-0.000 χ^2/NDF: 437719037.1/34

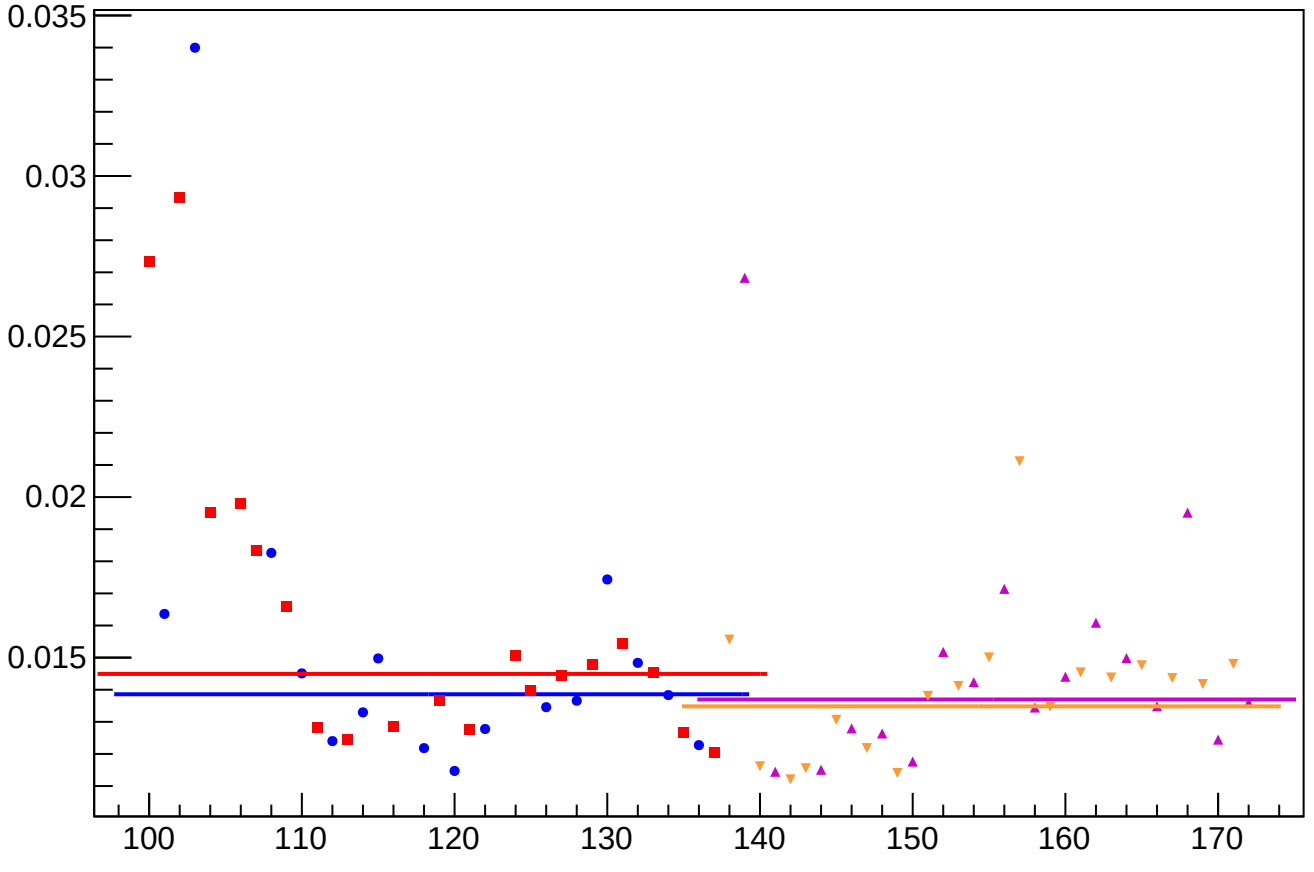
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.190+/-0.000 χ^2/NDF:3863687345.4/32

Out: 1.195+/-0.000 χ^2/NDF:4754723097.3/36

All: 1.193+/-0.000 χ^2/NDF: 8619962848.5/69

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:425226.0/17

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: 1270638.7/34

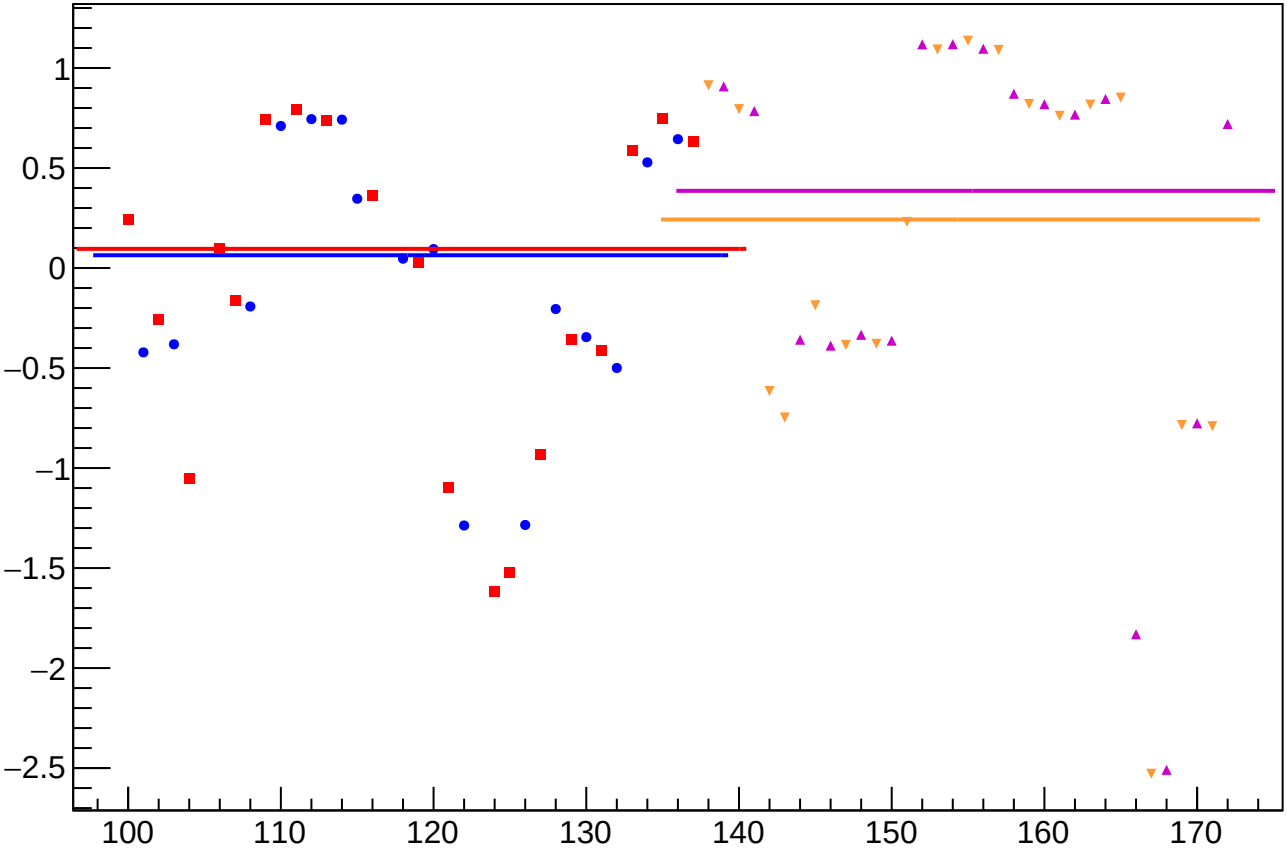
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:1443521.8/32

Out: 0.014+/-0.000 χ^2/NDF:1012490.2/36

All: 0.014+/-0.000 χ^2/NDF: 2456226.7/69

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.242+/-0.000 χ^2/NDF:77268063421.0/17

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: 0.316+/-0.000 χ^2/NDF: 162324002773.2/34

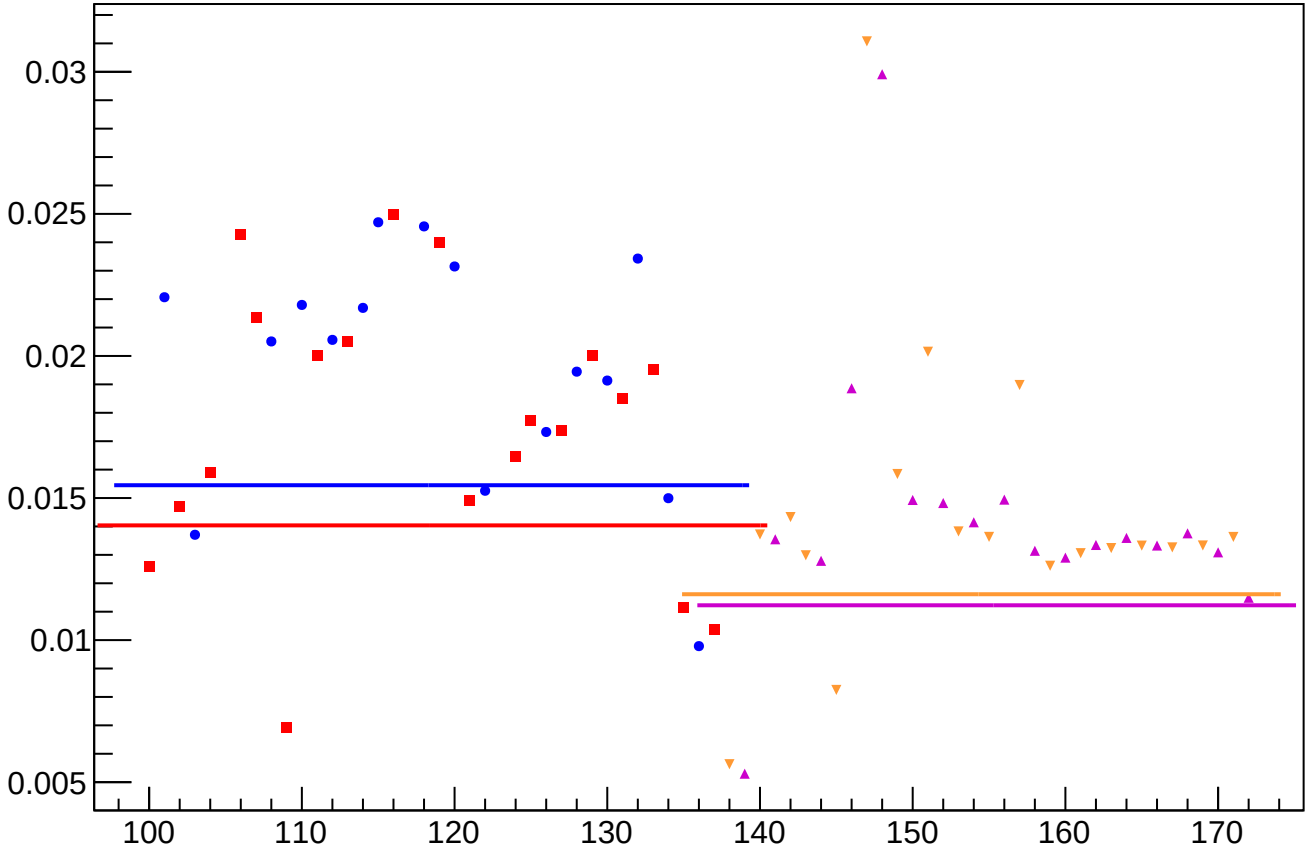
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.317+/-0.000 χ^2/NDF:97216064600.3/32

Out: 0.205+/-0.000 χ^2/NDF:95531584445.1/36

All: 0.261+/-0.000 χ^2/NDF: 193472738948.1

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:3170869.9/17

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: 6751650.5/34

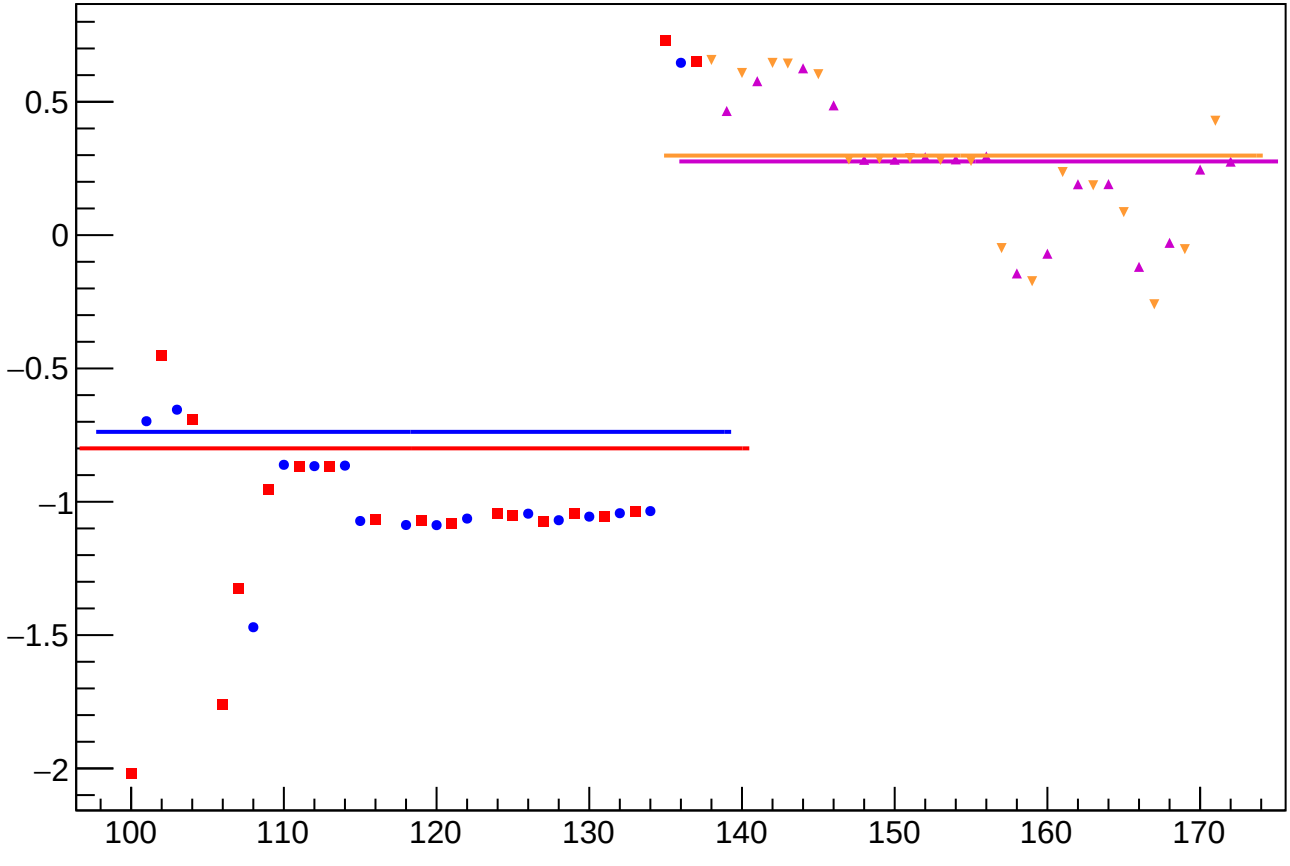
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.012+/-0.000 χ^2/NDF:5565893.3/32

Out: 0.012+/-0.000 χ^2/NDF:5118956.7/36

All: 0.012+/-0.000 χ^2/NDF: 10685859.9/69

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.298+/-0.000 χ^2/NDF:747176215.1/17

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: 0.288+/-0.000 χ^2/NDF: 1251360637.7/34

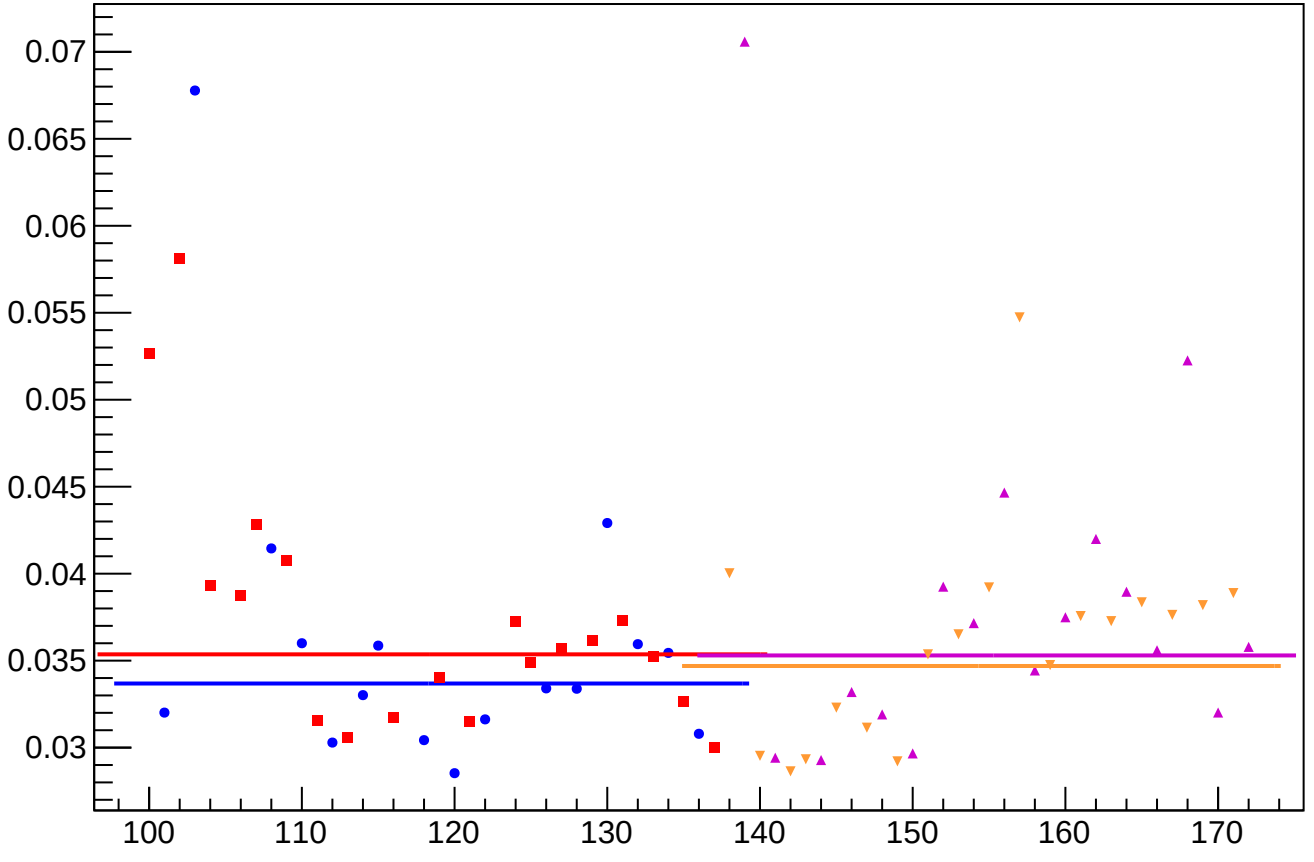
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.092+/-0.000 χ^2/NDF:6213513594.3/32

Out: -0.073+/-0.000 χ^2/NDF:6759111213.8/36

All: -0.082+/-0.000 χ^2/NDF: 12975425052.2/

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:480810.9/17

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: 1413863.6/34

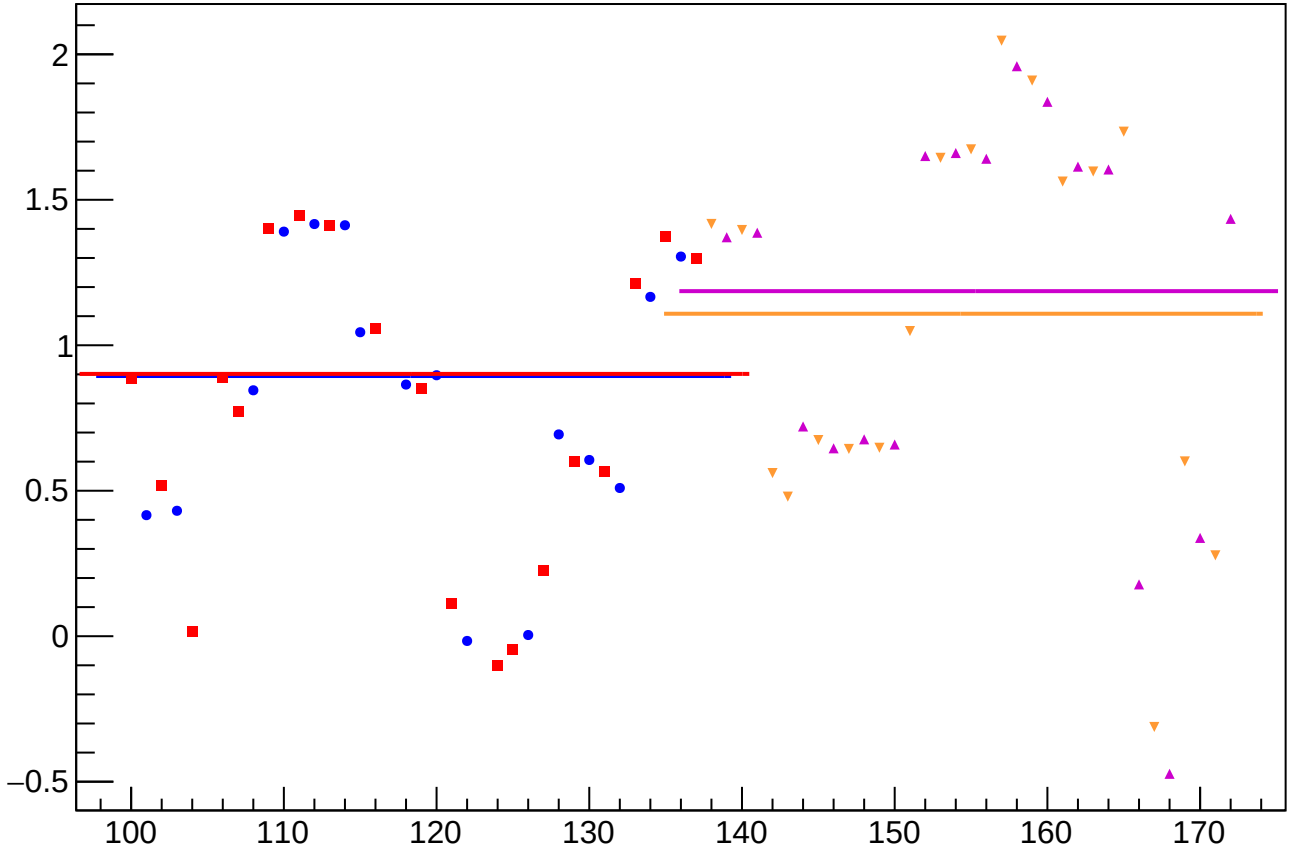
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.035+/-0.000 χ^2/NDF:1368056.8/32

Out: 0.035+/-0.000 χ^2/NDF:780236.0/36

All: 0.035+/-0.000 χ^2/NDF: 2148939.1/69

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.108+/-0.000 χ^2/NDF:65288033312.2/17

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: 1.147+/-0.000 χ^2/NDF: 131524946233.0/34

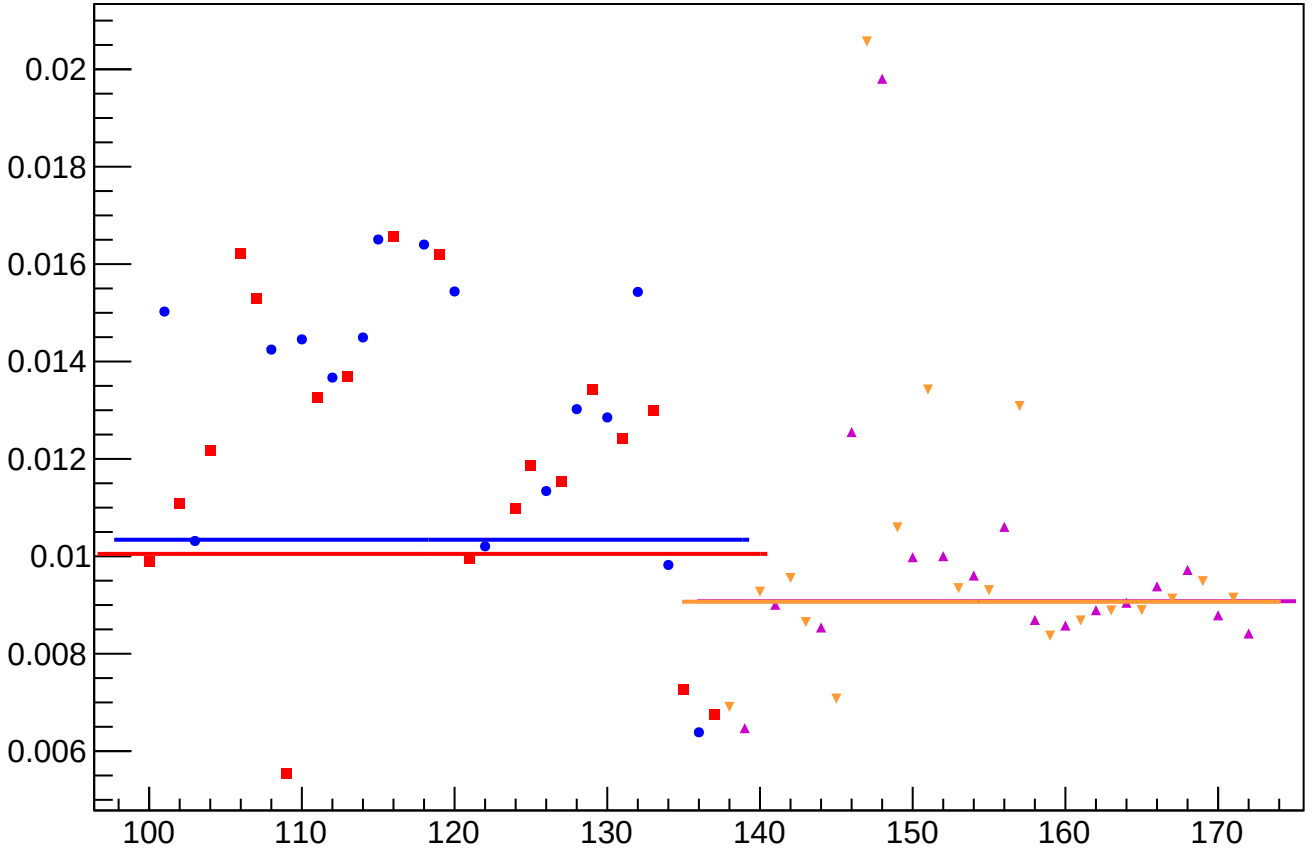
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.109+/-0.000 χ^2/NDF:82008032720.0/32

Out: 1.051+/-0.000 χ^2/NDF:85048952633.5/36

All: 1.080+/-0.000 χ^2/NDF: 167415762619.0

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:1127377.9/17

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: 2064492.8/34

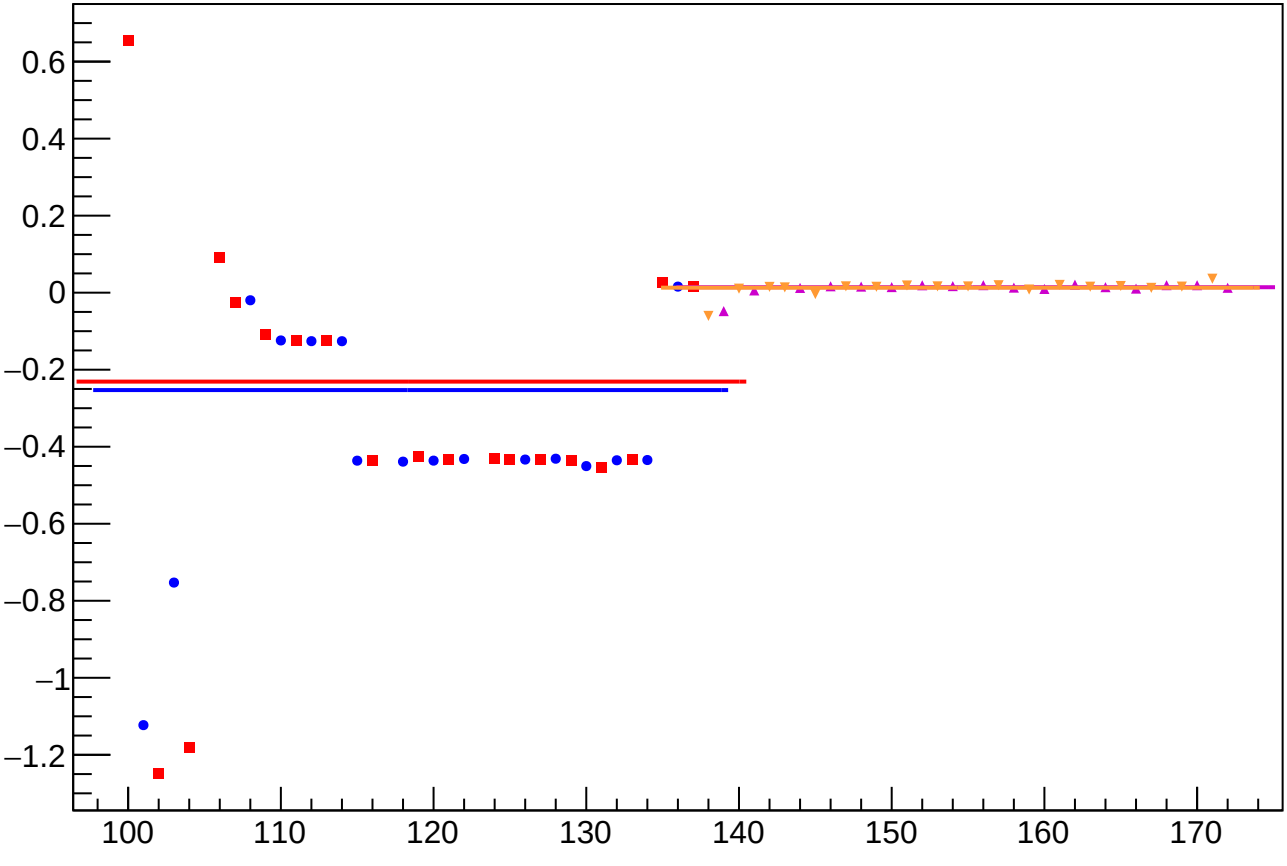
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.009+/-0.000 χ^2/NDF:2418517.2/32

Out: 0.009+/-0.000 χ^2/NDF:2548511.5/36

All: 0.009+/-0.000 χ^2/NDF: 4968159.0/69

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:27359853.5/17

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: 34166820.4/34

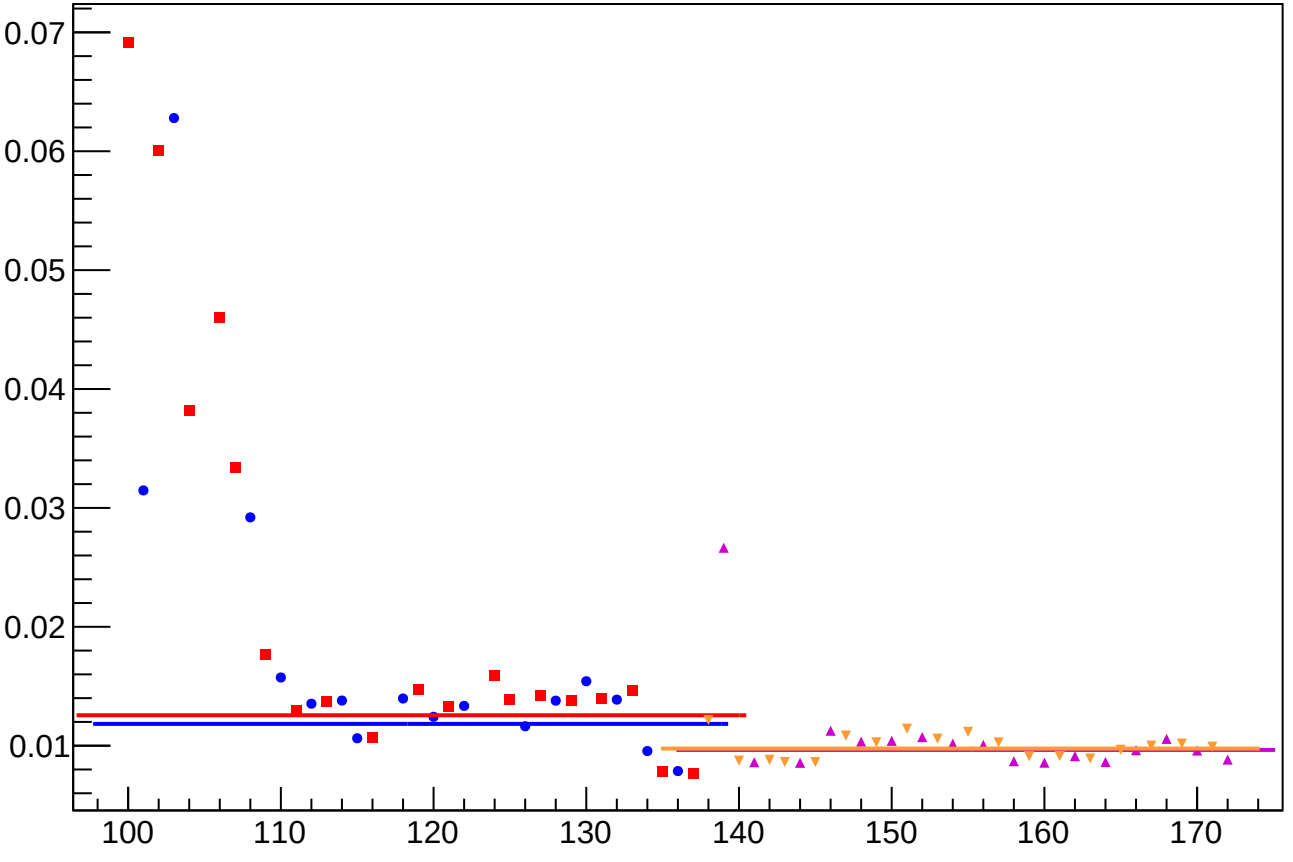
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.045+/-0.000 χ^2/NDF:3999819826.9/32

Out: -0.036+/-0.000 χ^2/NDF:3341886997.4/36

All: -0.041+/-0.000 χ^2/NDF: 7348057300.3/6

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:226409.2/17

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: 1096093.3/34

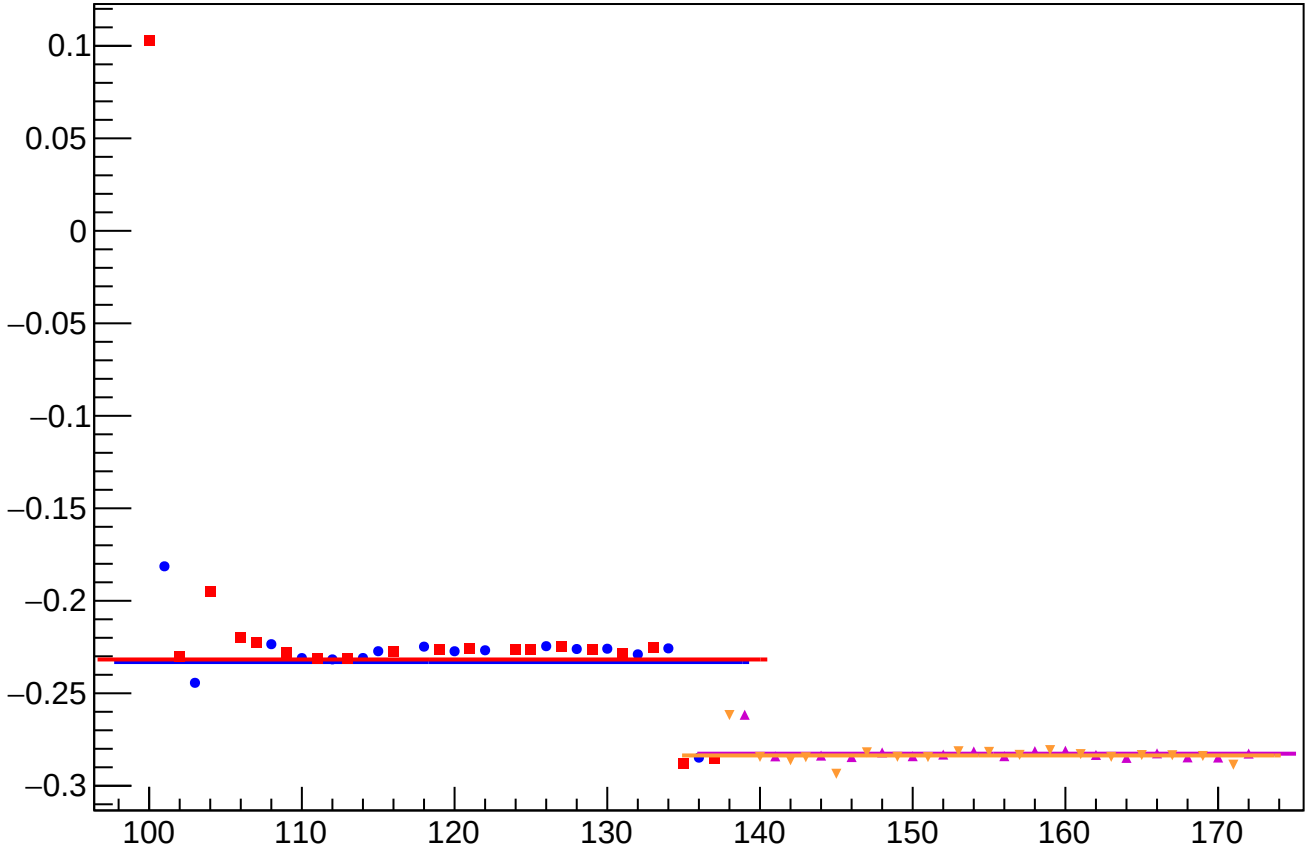
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.010+/-0.000 χ^2/NDF:3074928.1/32

Out: 0.010+/-0.000 χ^2/NDF:2840861.2/36

All: 0.010+/-0.000 χ^2/NDF: 5921683.7/69

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:15821390.9/17

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: 22813328.6/34

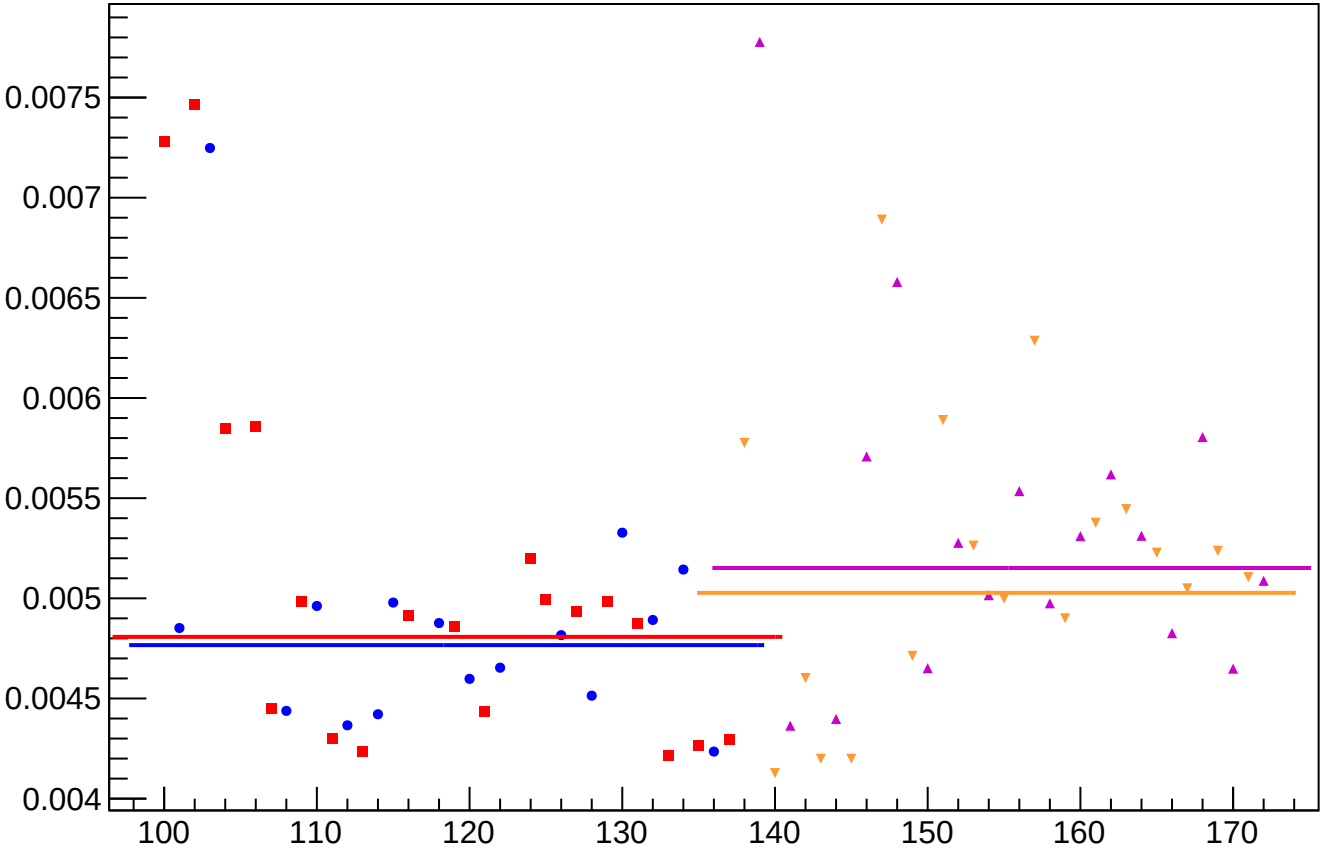
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.265+/-0.000 χ^2/NDF:647161923.4/32

Out: -0.265+/-0.000 χ^2/NDF:804652231.9/36

All: -0.265+/-0.000 χ^2/NDF: 1451916793.2/6

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:456421.7/17

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: 927555.8/34

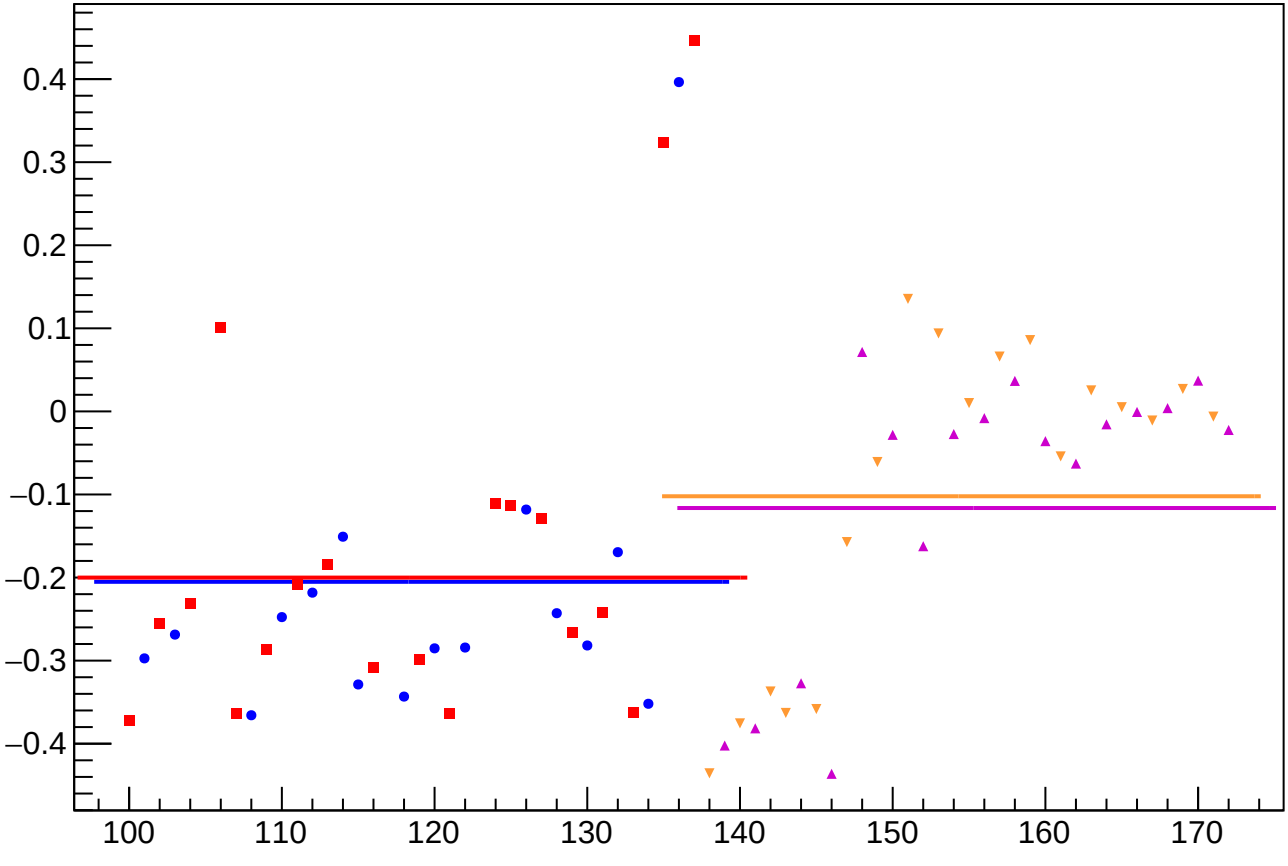
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:708414.6/32

Out: 0.005+/-0.000 χ^2/NDF:768152.8/36

All: 0.005+/-0.000 χ^2/NDF: 1479600.9/69

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.102+/-0.000 χ^2/NDF:15897316558.1/17

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: -0.109+/-0.000 χ^2/NDF: 27794202858.5/34

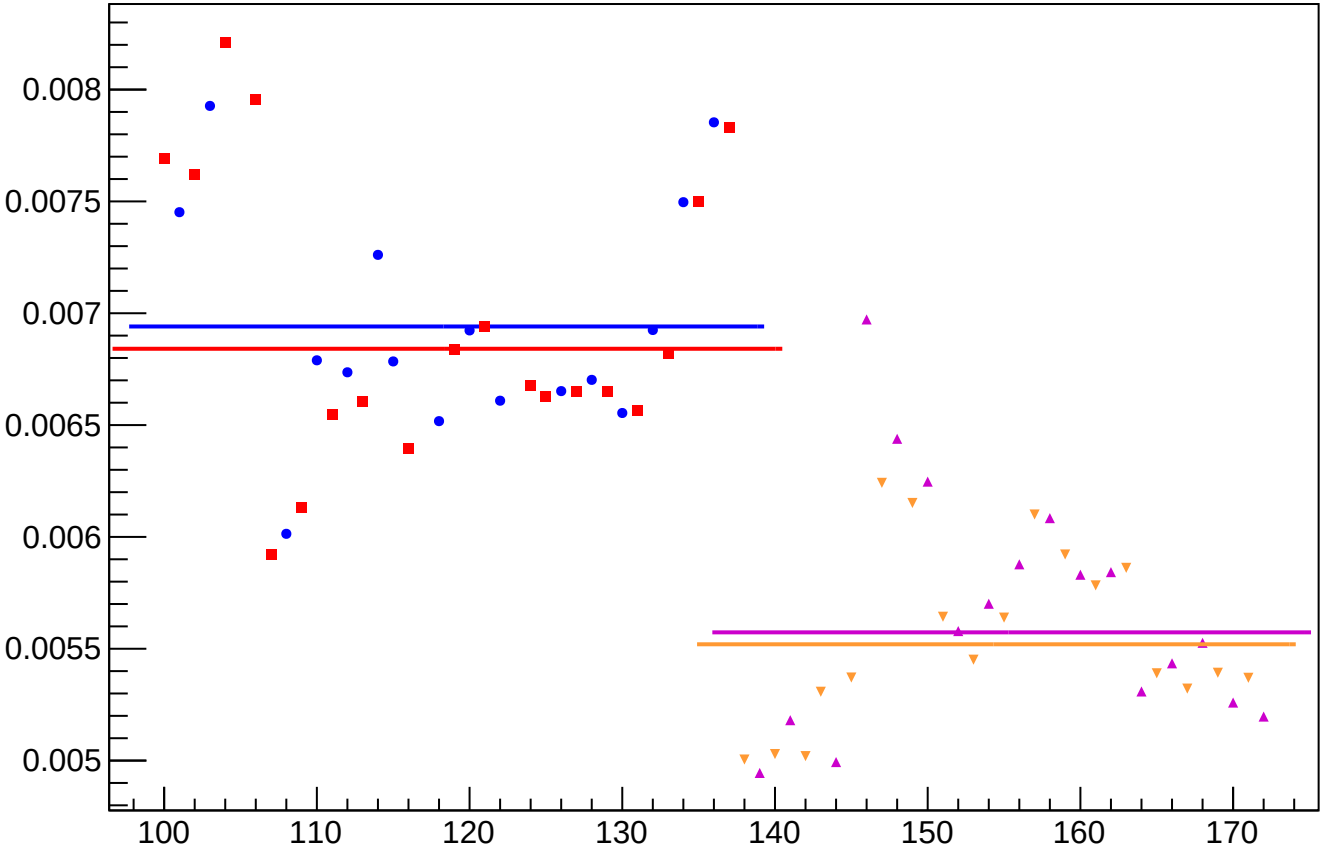
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.139+/-0.000 χ^2/NDF:18898126852.5/32

Out: -0.128+/-0.000 χ^2/NDF:22240521519.7/36

All: -0.133+/-0.000 χ^2/NDF: 41177470388.1/

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:114903.9/17

Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:202245.3/16

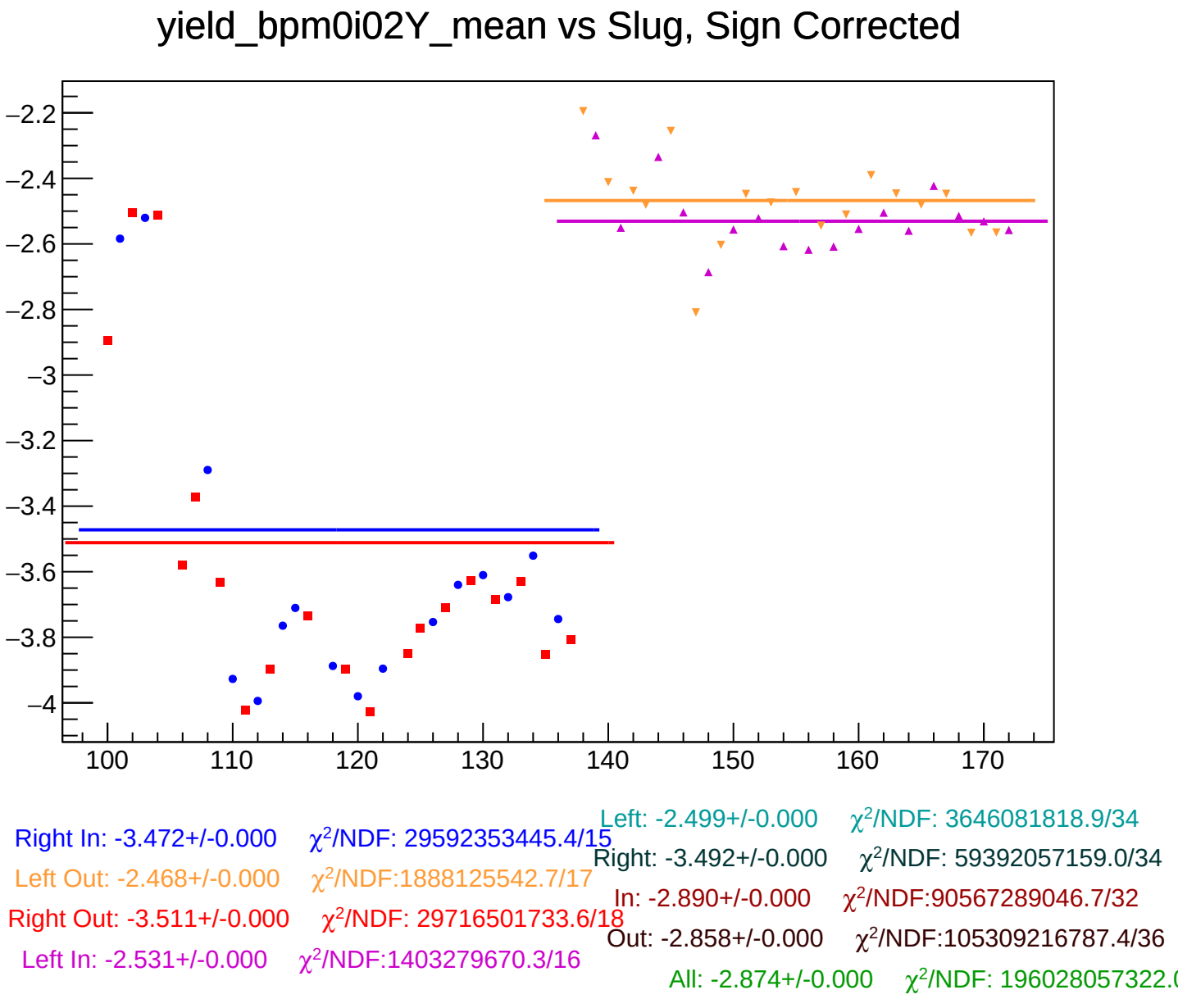
Left: 0.006+/-0.000 χ^2/NDF: 318371.1/34

Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

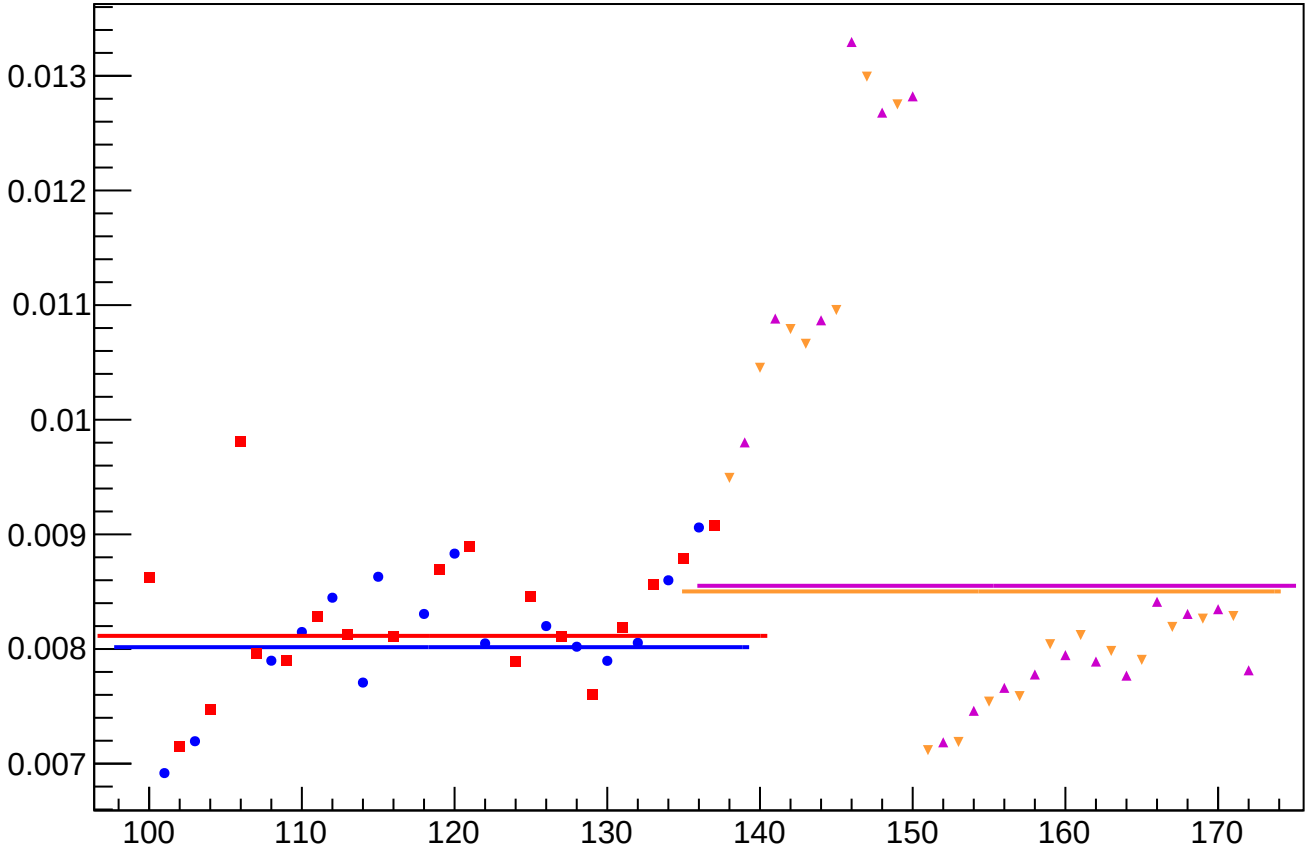
In: 0.006+/-0.000 χ^2/NDF:692821.2/32

Out: 0.006+/-0.000 χ^2/NDF:612907.0/36

All: 0.006+/-0.000 χ^2/NDF: 1307959.7/69


yield_bpm0i02Y_mean vs Slug, Sign Corrected
−2.2
−2.4
−2.6
−2.8
−3
−3.2
−3.4
−3.6
−3.8
−4
100
110
120
130
140
150
160
170
Right In: -3.472+/-0.000 χ²/NDF: 29592353445.4/15
Left Out: -2.468+/-0.000 χ²/NDF:1888125542.7/17
Right Out: -3.511+/-0.000 χ²/NDF: 29716501733.6/18
Left In: -2.531+/-0.000 χ²/NDF:1403279670.3/16
Left: -2.499+/-0.000 χ²/NDF: 3646081818.9/34
Right: -3.492+/-0.000 χ²/NDF: 59392057159.0/34
In: -2.890+/-0.000 χ²/NDF:90567289046.7/32
Out: -2.858+/-0.000 χ²/NDF:105309216787.4/36
All: -2.874+/-0.000 χ²/NDF: 196028057322.0

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.009+/-0.000 χ^2/NDF:749065.2/17

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: 1615031.2/34

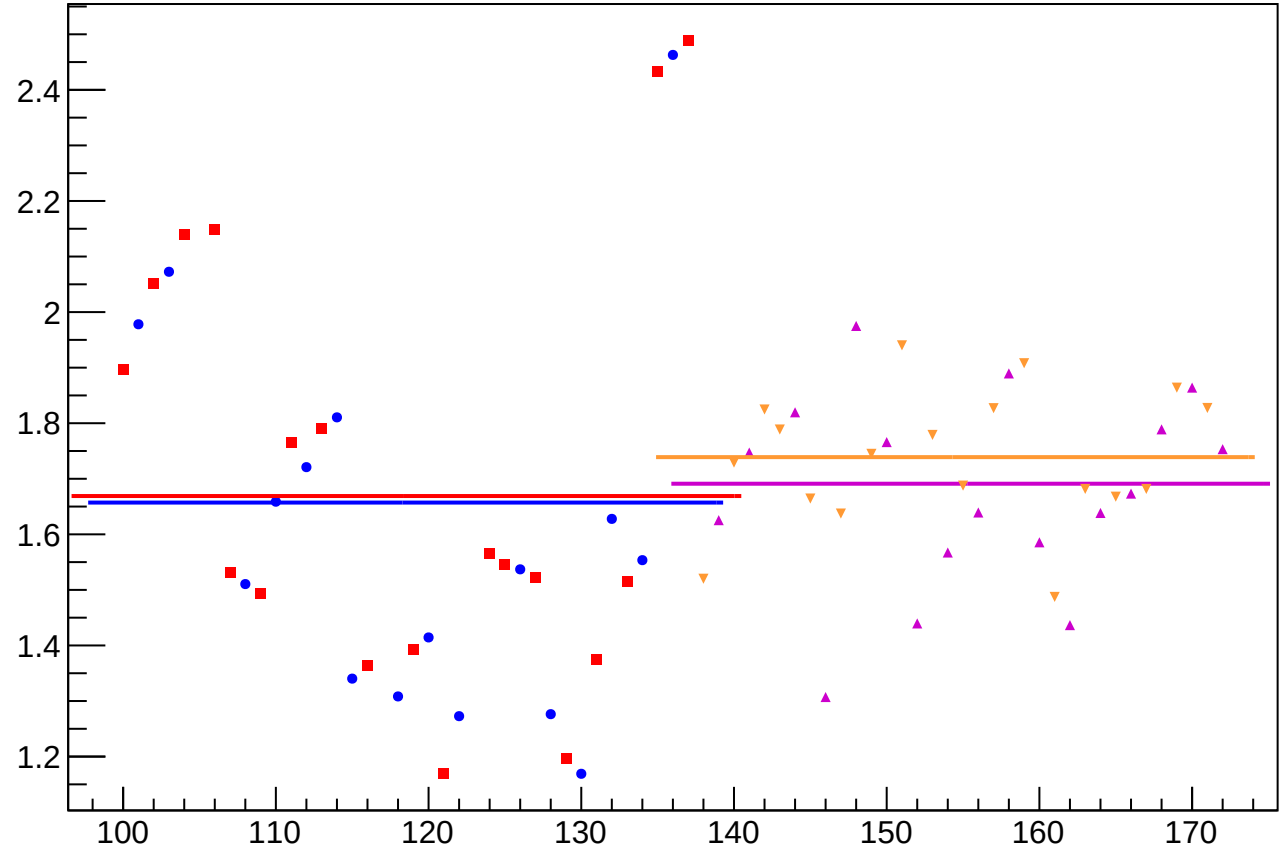
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.008+/-0.000 χ^2/NDF:990305.5/32

Out: 0.008+/-0.000 χ^2/NDF:840468.3/36

All: 0.008+/-0.000 χ^2/NDF: 1830804.7/69

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.739+/-0.000 χ^2/NDF:1512826361.2/17

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: 1.716+/-0.000 χ^2/NDF: 4187267800.1/34

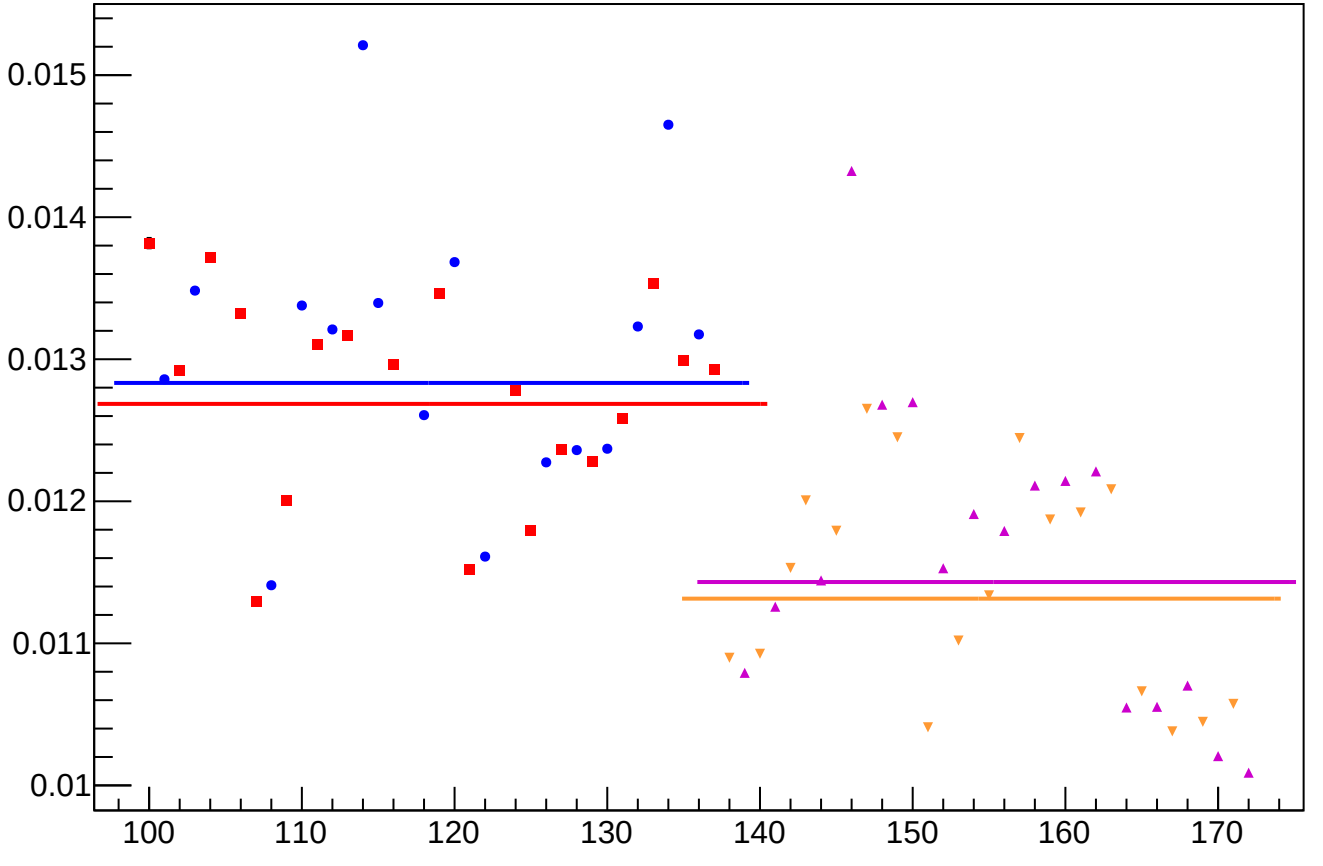
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.681+/-0.000 χ^2/NDF:9257269857.2/32

Out: 1.718+/-0.000 χ^2/NDF:8024556381.5/36

All: 1.700+/-0.000 χ^2/NDF: 17382307060.0/6

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:117454.2/17

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:197763.8/16

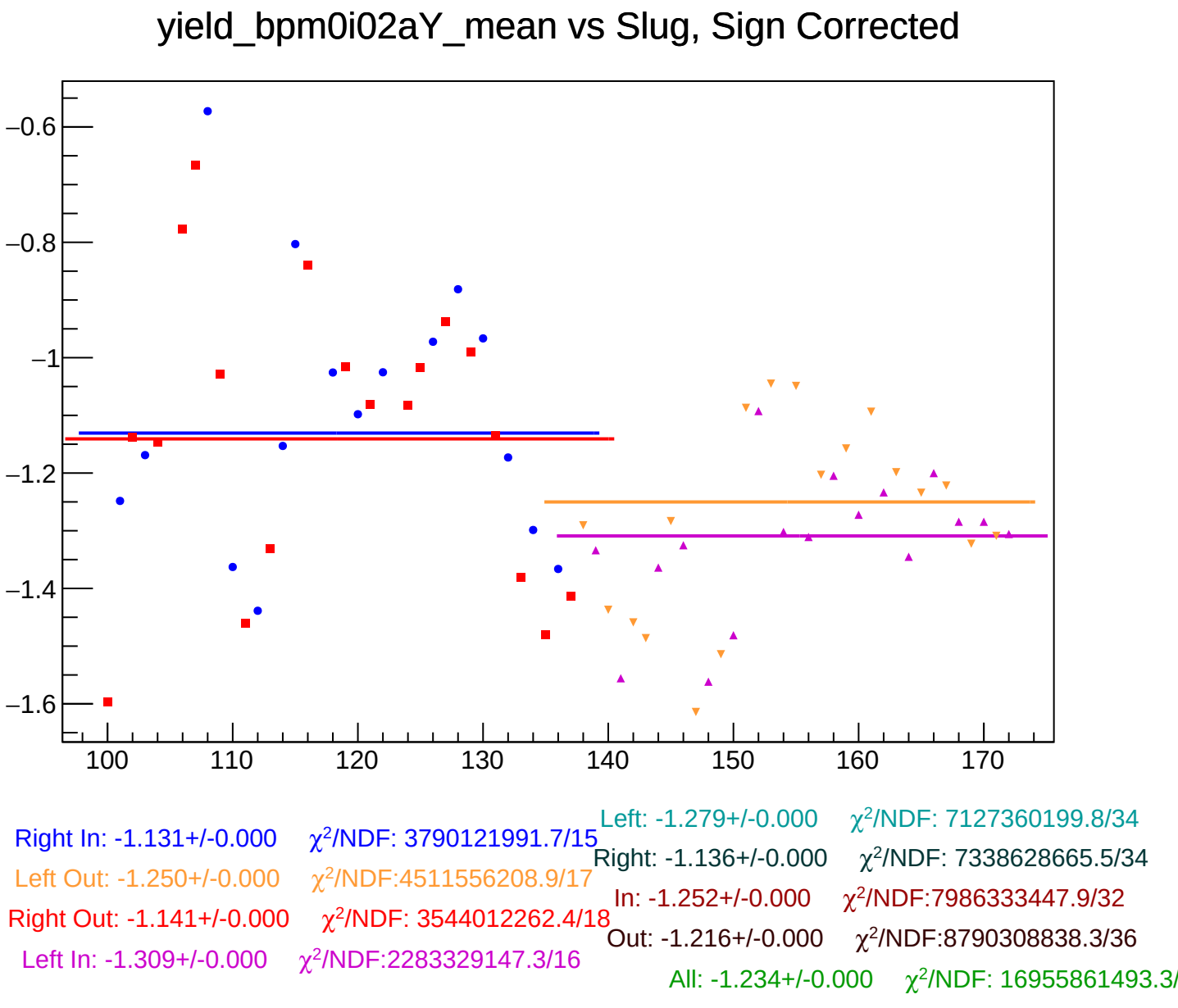
Left: 0.011+/-0.000 χ^2/NDF: 316626.2/34

Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

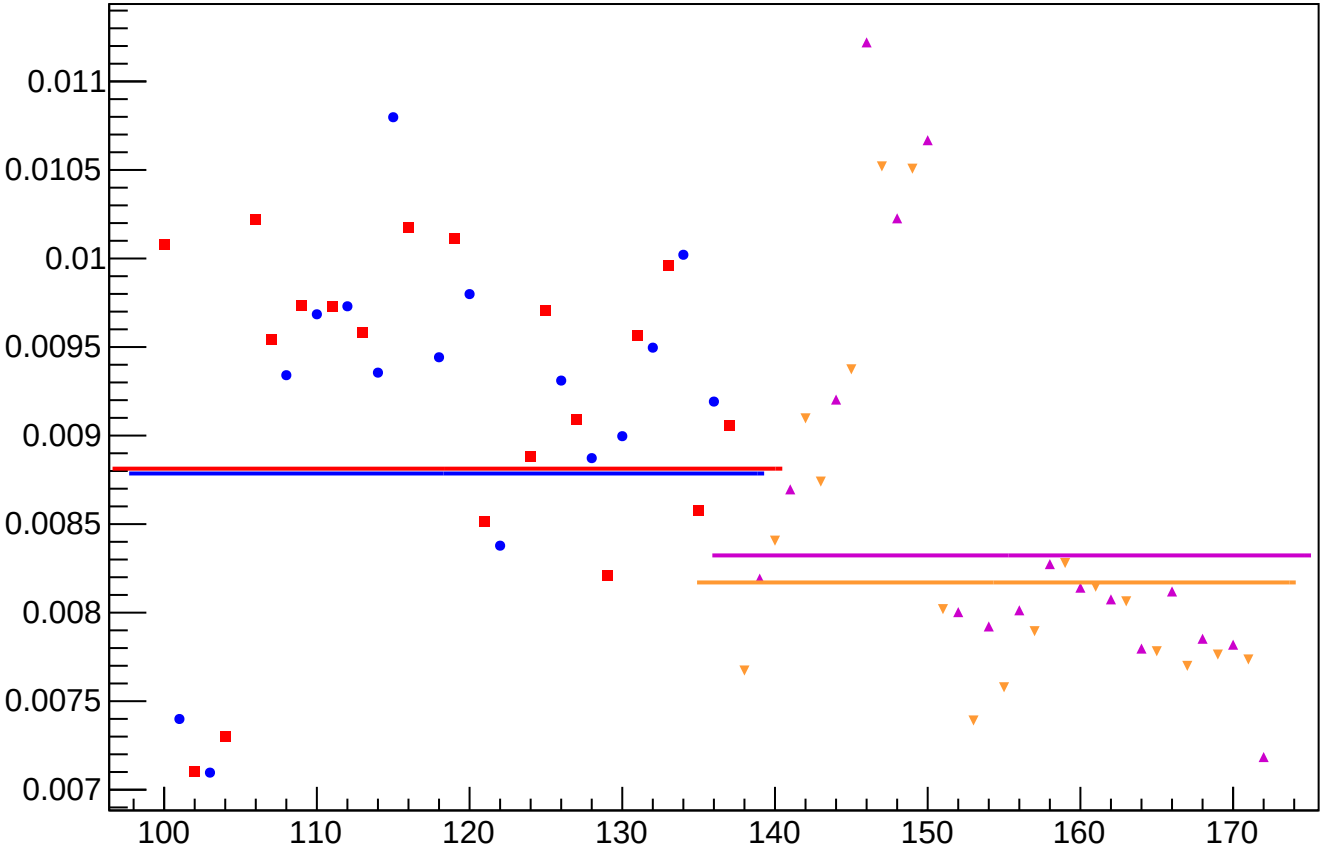
In: 0.012+/-0.000 χ^2/NDF:367879.9/32

Out: 0.012+/-0.000 χ^2/NDF:278910.6/36

All: 0.012+/-0.000 χ^2/NDF: 649060.9/69


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: -1.250+/-0.000 χ²/NDF:4511556208.9/17
Right Out: -1.141+/-0.000 χ²/NDF: 3544012262.4/18
Left In: -1.309+/-0.000 χ²/NDF:2283329147.3/16
Left: -1.279+/-0.000 χ²/NDF: 7127360199.8/34
Right: -1.136+/-0.000 χ²/NDF: 7338628665.5/34
In: -1.252+/-0.000 χ²/NDF:7986333447.9/32
Out: -1.216+/-0.000 χ²/NDF:8790308838.3/36
All: -1.234+/-0.000 χ²/NDF: 16955861493.3/

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:231524.9/17

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: 541333.5/34

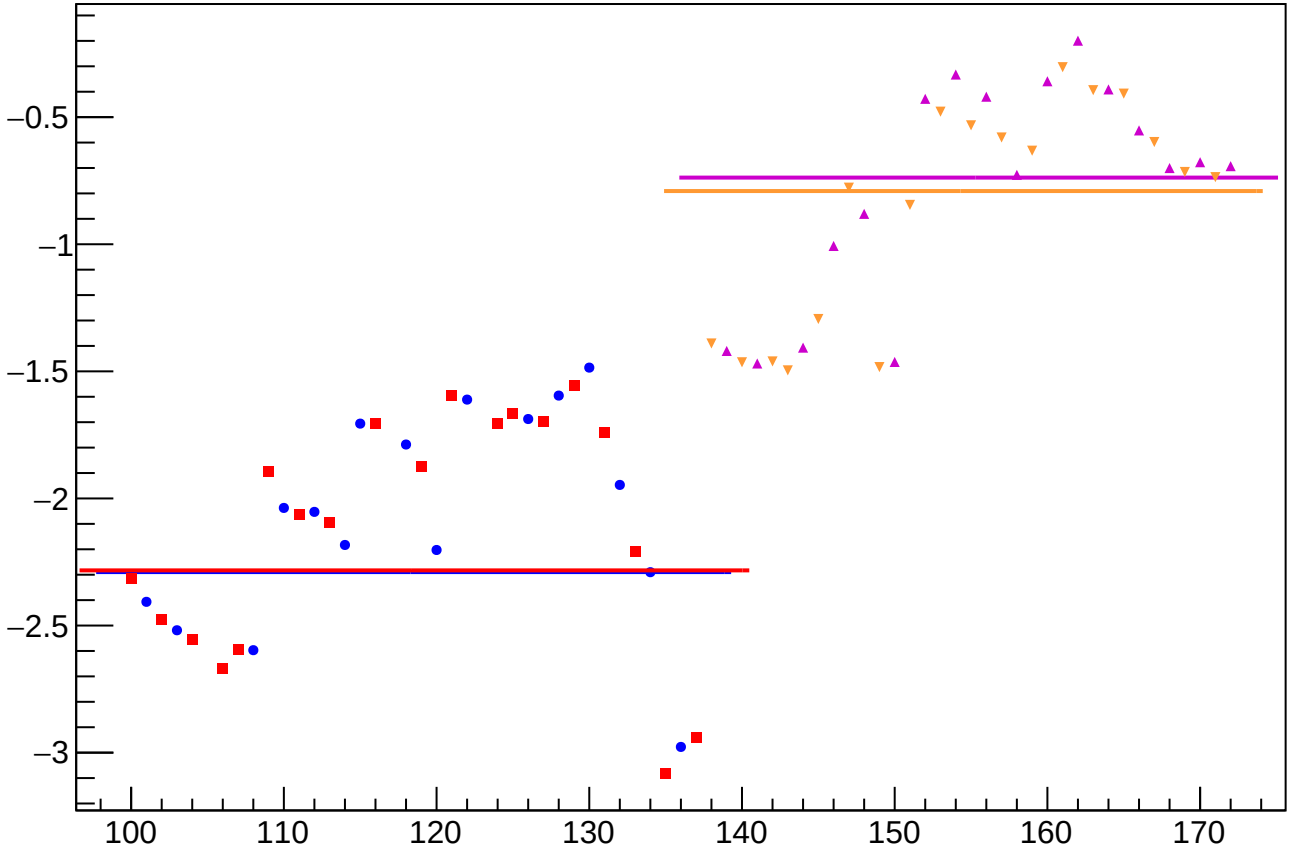
Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

In: 0.008+/-0.000 χ^2/NDF:504590.8/32

Out: 0.008+/-0.000 χ^2/NDF:486720.9/36

All: 0.008+/-0.000 χ^2/NDF: 994163.9/69

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.290+/-0.000 χ^2/NDF: 15222817978.4/15

Left Out: -0.791+/-0.000 χ^2/NDF:32633764996.6/17

Right Out: -2.283+/-0.000 χ^2/NDF: 17032219519.1/18

Left In: -0.738+/-0.000 χ^2/NDF:32748760605.6/16

Left: -0.764+/-0.000 χ^2/NDF: 65726179252.2/34

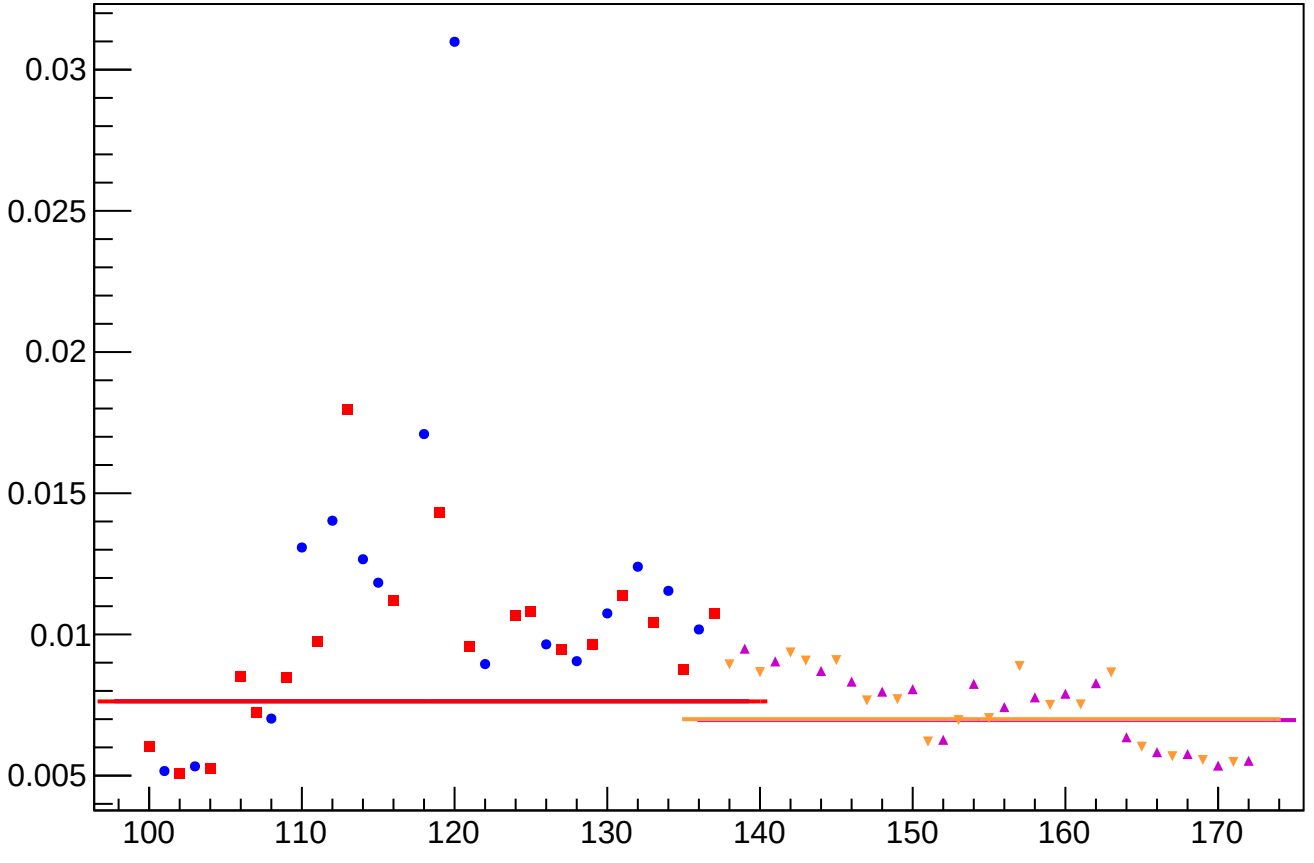
Right: -2.286+/-0.000 χ^2/NDF: 32257076383.6/34

In: -1.145+/-0.000 χ^2/NDF:202955041128.3/32

Out: -1.208+/-0.000 χ^2/NDF:202454153827.2/36

All: -1.177+/-0.000 χ^2/NDF: 406080368616.3

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:823278.8/17

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.007+/-0.000 χ^2/NDF:849987.2/16

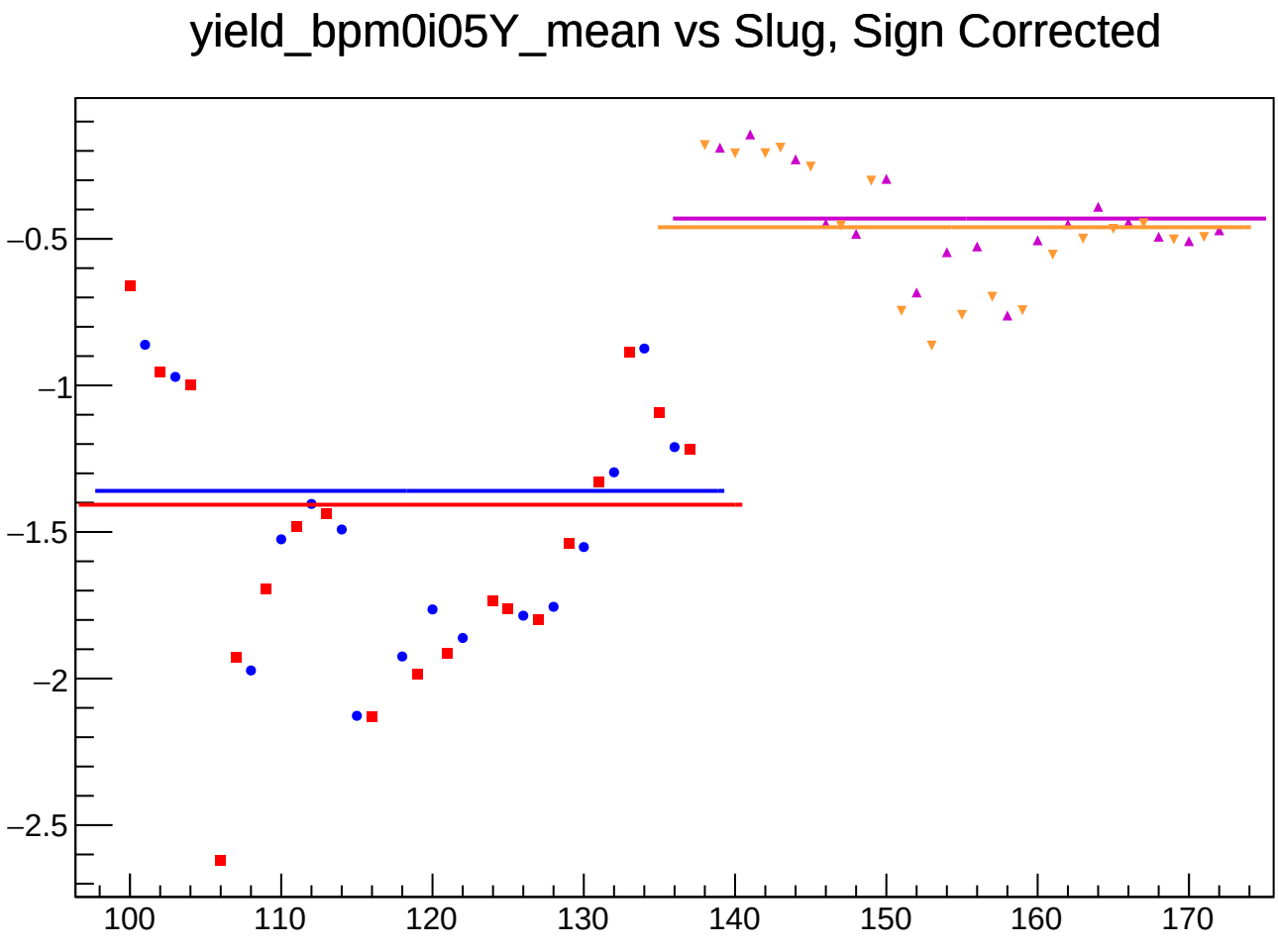
Left: 0.007+/-0.000 χ^2/NDF: 1673508.6/34

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

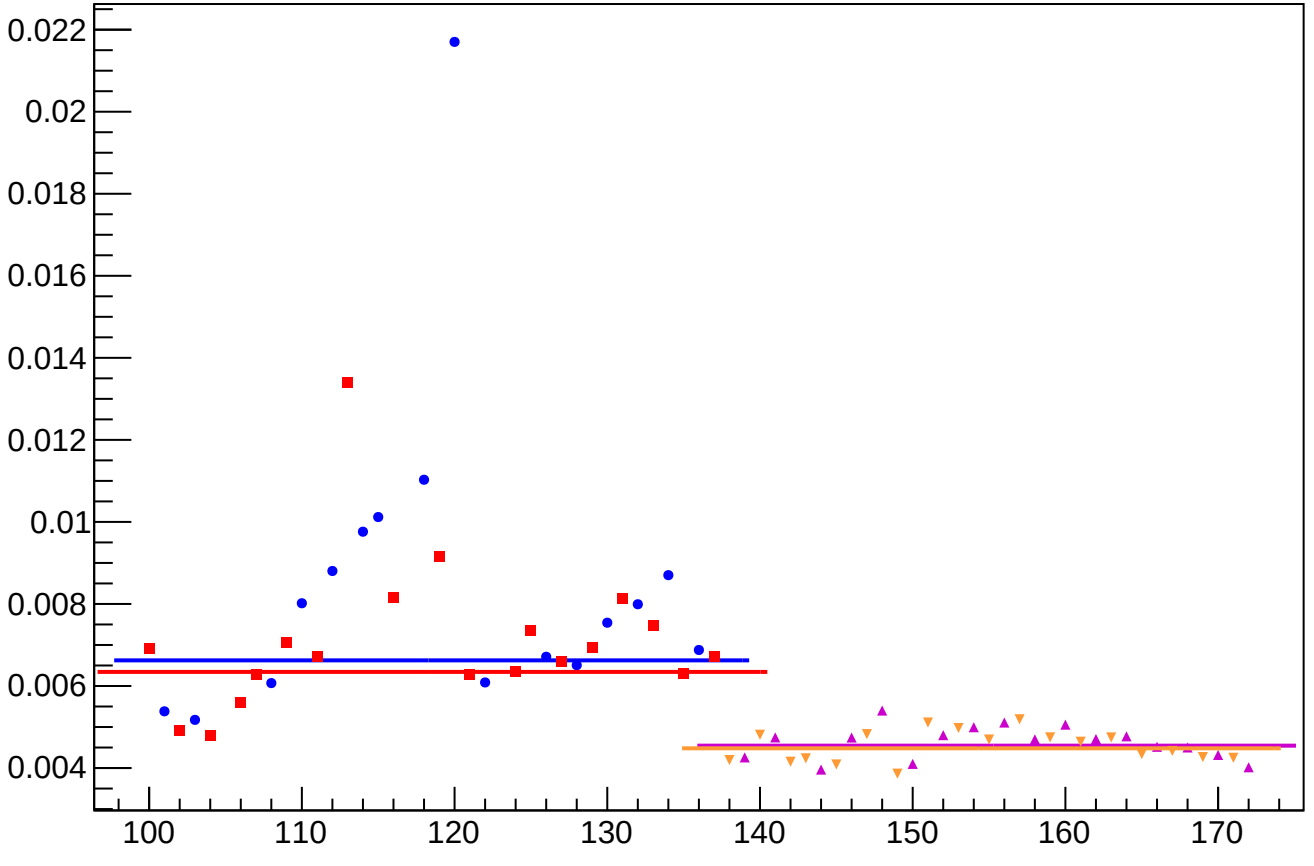
In: 0.007+/-0.000 χ^2/NDF:2617833.4/32

Out: 0.007+/-0.000 χ^2/NDF:2195319.0/36

All: 0.007+/-0.000 χ^2/NDF: 4813512.7/69


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
170
Right In: -1.360+/-0.000 χ²/NDF: 21491965614.5/15
Left Out: -0.460+/-0.000 χ²/NDF:28038504306.5/17
Right Out: -1.407+/-0.000 χ²/NDF: 29835610413.0/18
Left In: -0.431+/-0.000 χ²/NDF:16119856297.3/16
Left: -0.446+/-0.000 χ²/NDF: 44431041878.1/34
Right: -1.385+/-0.000 χ²/NDF: 51484688313.9/34
In: -0.596+/-0.000 χ²/NDF:131175743193.9/32
Out: -0.643+/-0.000 χ²/NDF:167902659246.3/36
All: -0.620+/-0.000 χ²/NDF: 299900053340.8

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:167737.3/17

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: 356933.8/34

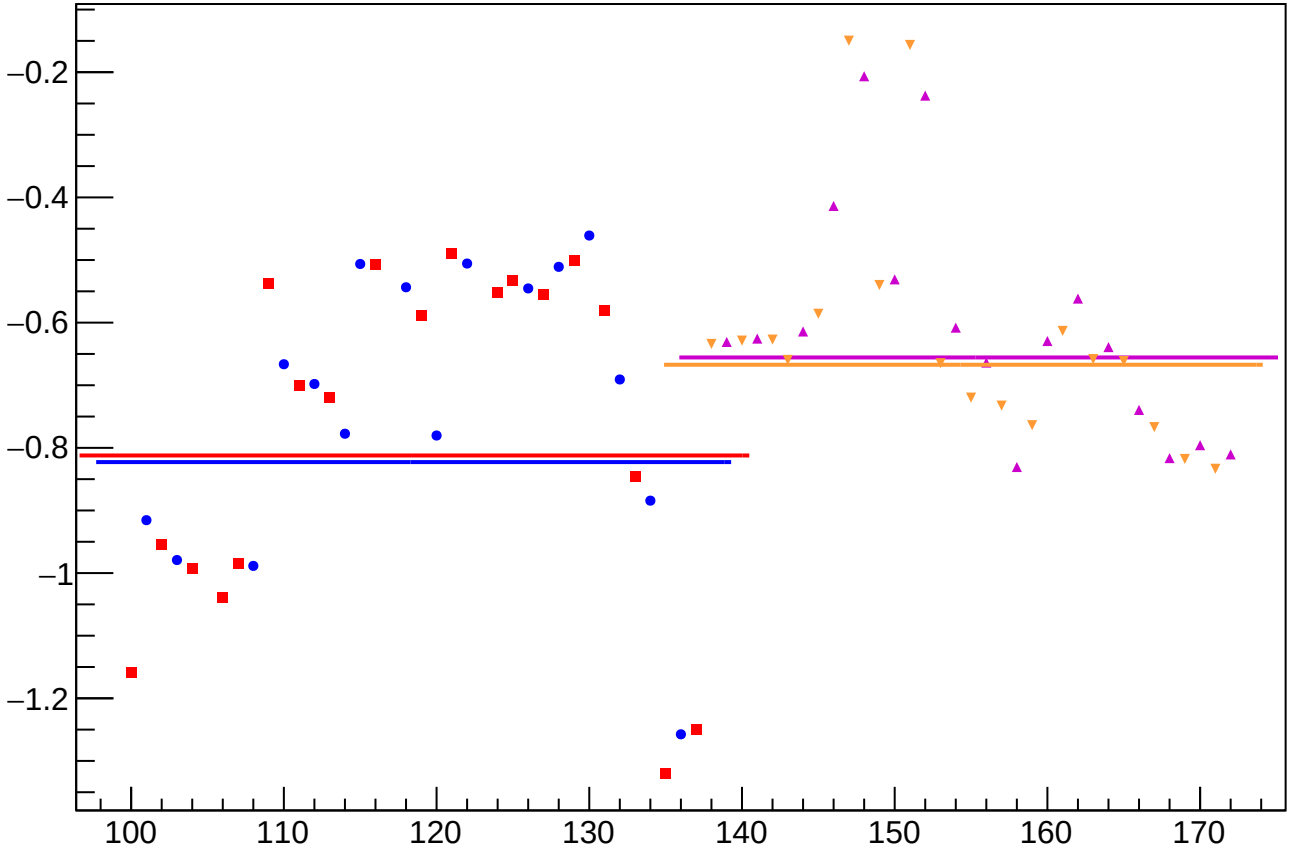
Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.005+/-0.000 χ^2/NDF:1817728.5/32

Out: 0.005+/-0.000 χ^2/NDF:1549067.3/36

All: 0.005+/-0.000 χ^2/NDF: 3371285.0/69

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.667+/-0.000 χ^2/NDF:20925135175.6/17

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: -0.661+/-0.000 χ^2/NDF: 42688688286.8/34

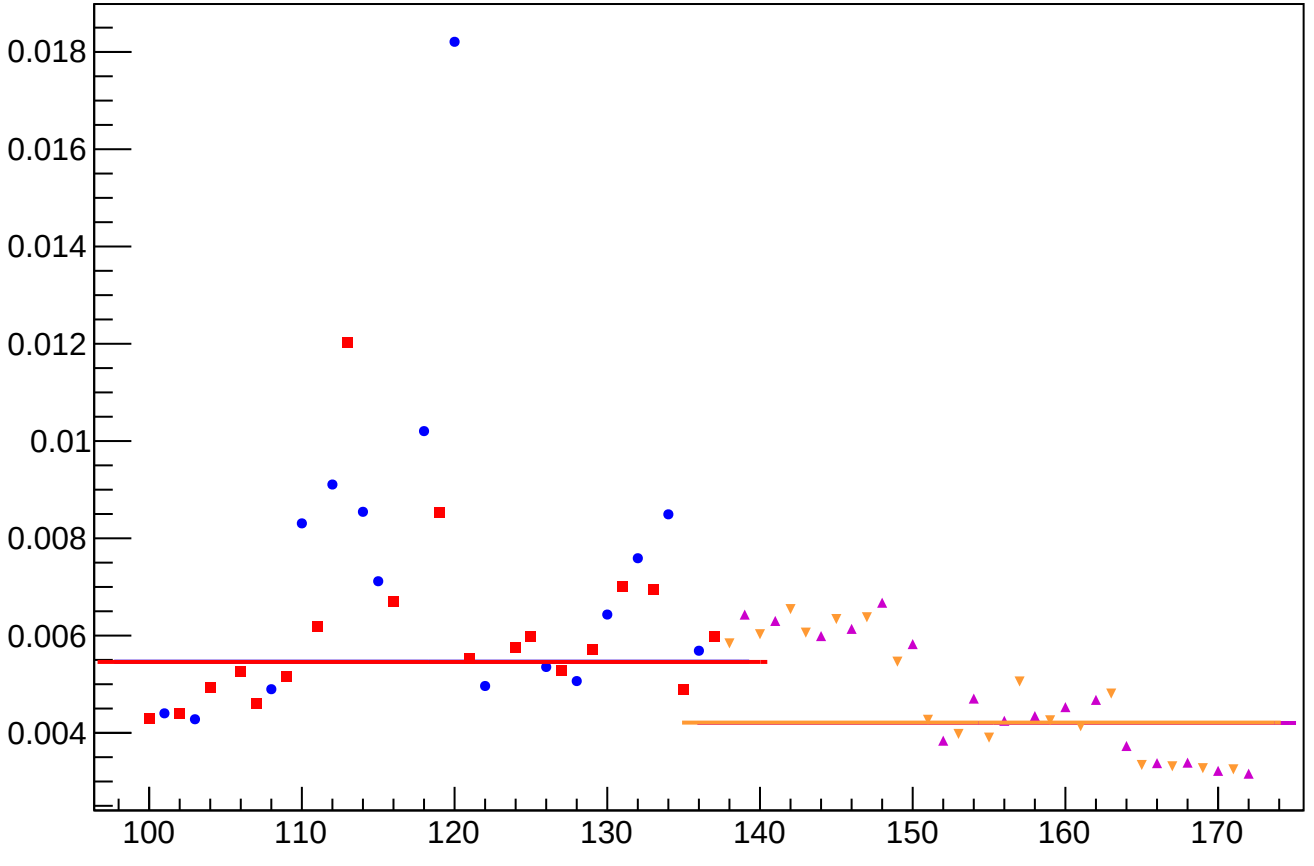
Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

In: -0.692+/-0.000 χ^2/NDF:37982706618.7/32

Out: -0.701+/-0.000 χ^2/NDF:39005125563.3/36

All: -0.696+/-0.000 χ^2/NDF: 77021920146.9/

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:1407928.1/17

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: 2945682.3/34

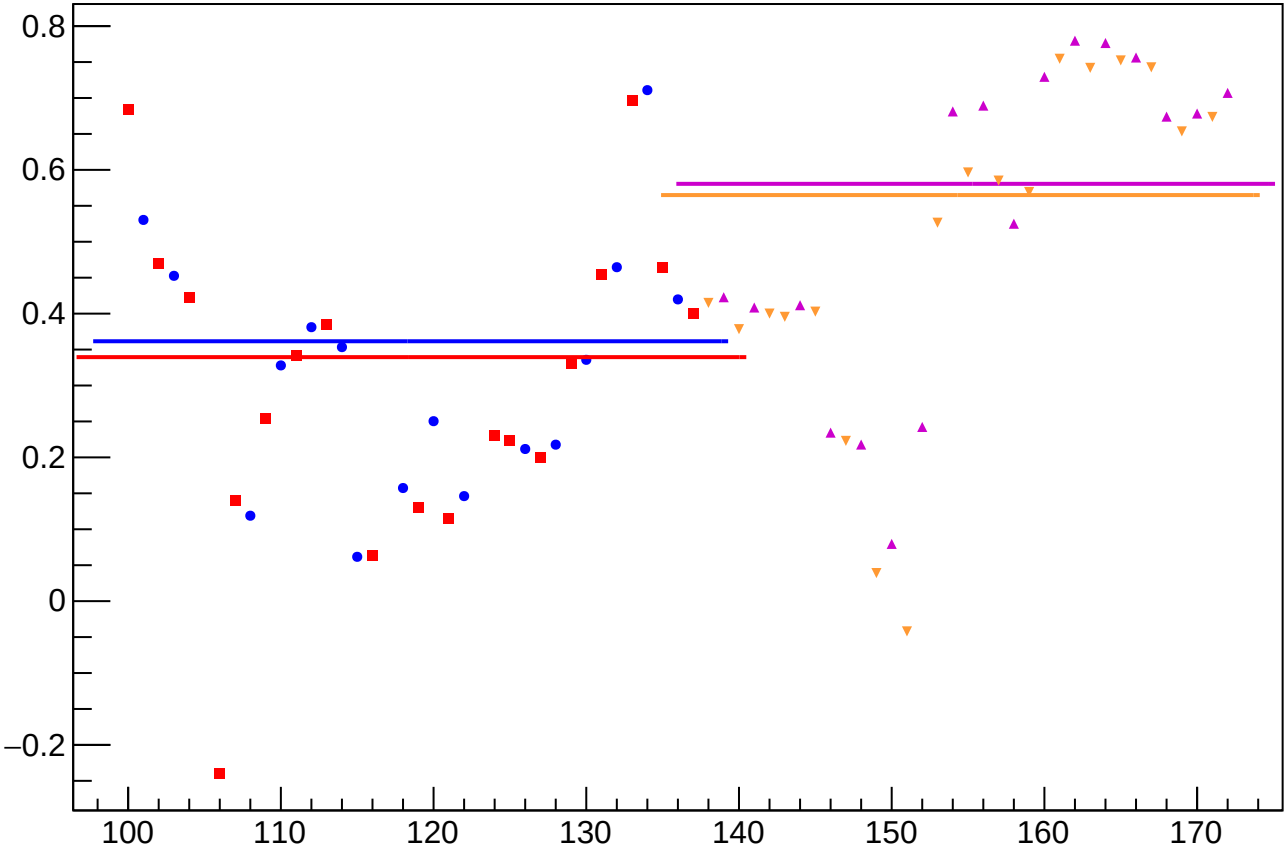
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.004+/-0.000 χ^2/NDF:2958401.1/32

Out: 0.004+/-0.000 χ^2/NDF:2398165.6/36

All: 0.004+/-0.000 χ^2/NDF: 5357017.8/69

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.565+/-0.000 χ^2/NDF:39173102195.3/17

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: 0.573+/-0.000 χ^2/NDF: 74119825219.8/34

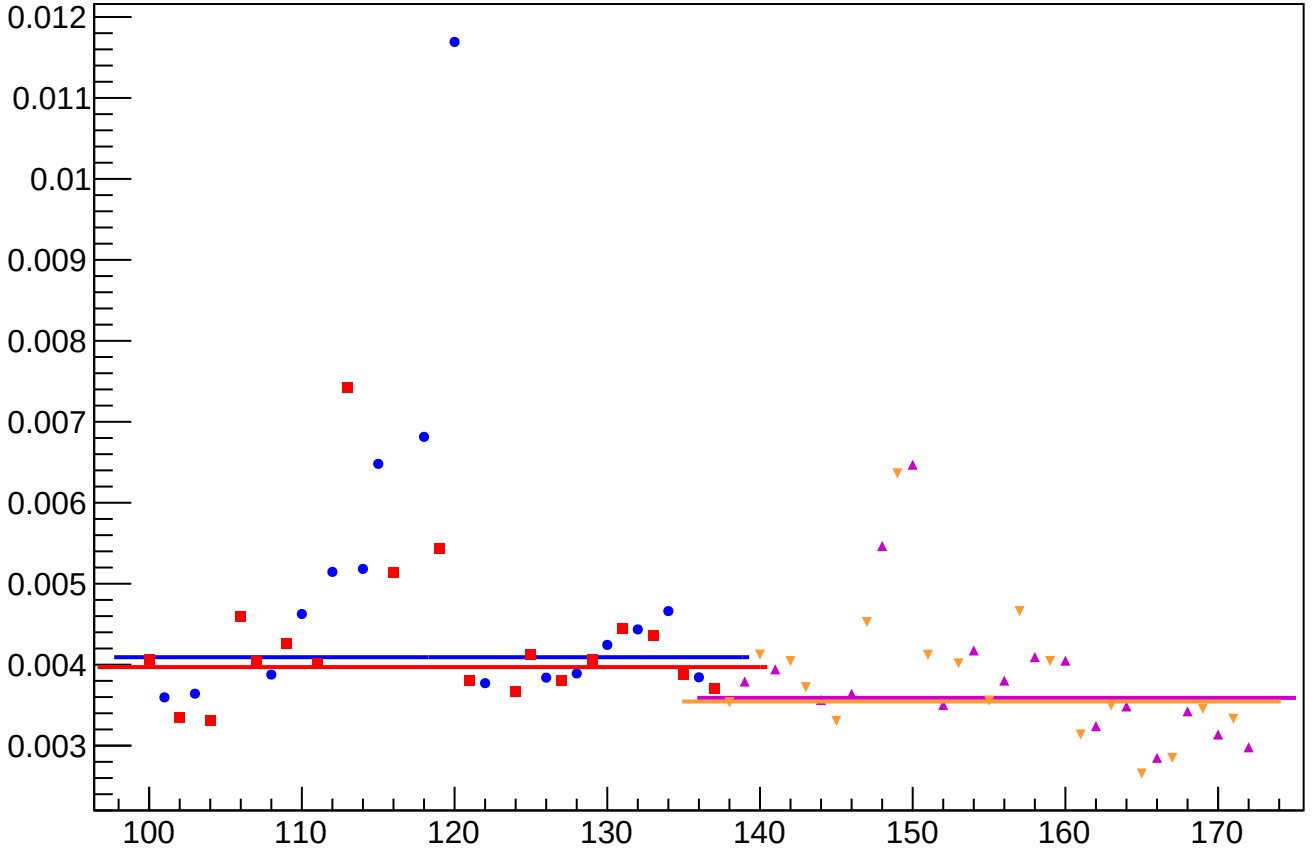
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.516+/-0.000 χ^2/NDF:55990463515.8/32

Out: 0.495+/-0.000 χ^2/NDF:65499803028.3/36

All: 0.505+/-0.000 χ^2/NDF: 121774069877.9

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:747281.4/17

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: 1453636.7/34

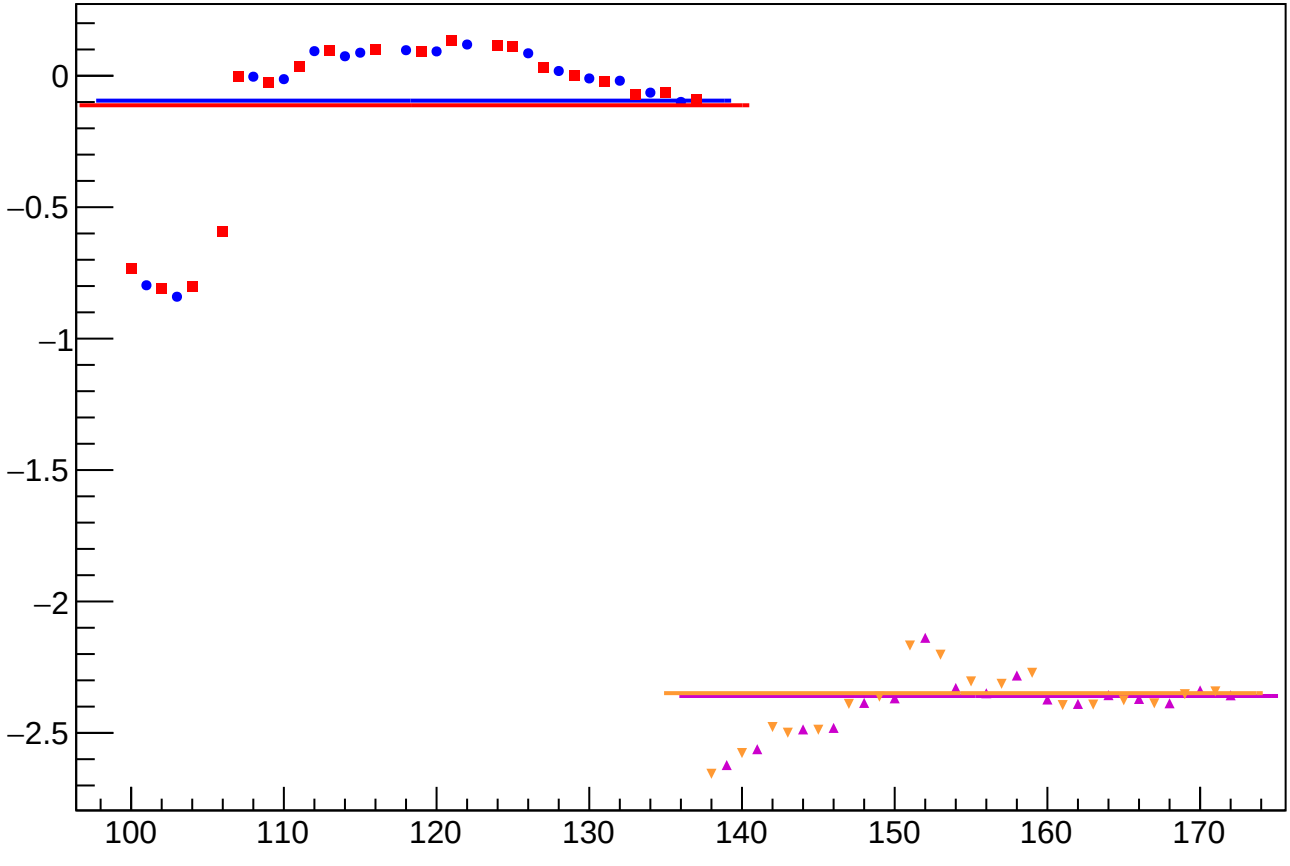
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:1326738.9/32

Out: 0.004+/-0.000 χ^2/NDF:1162312.7/36

All: 0.004+/-0.000 χ^2/NDF: 2493738.9/69

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.349+/-0.000 χ^2/NDF:1672492936.7/17

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: -2.354+/-0.000 χ^2/NDF: 2978091874.0/34

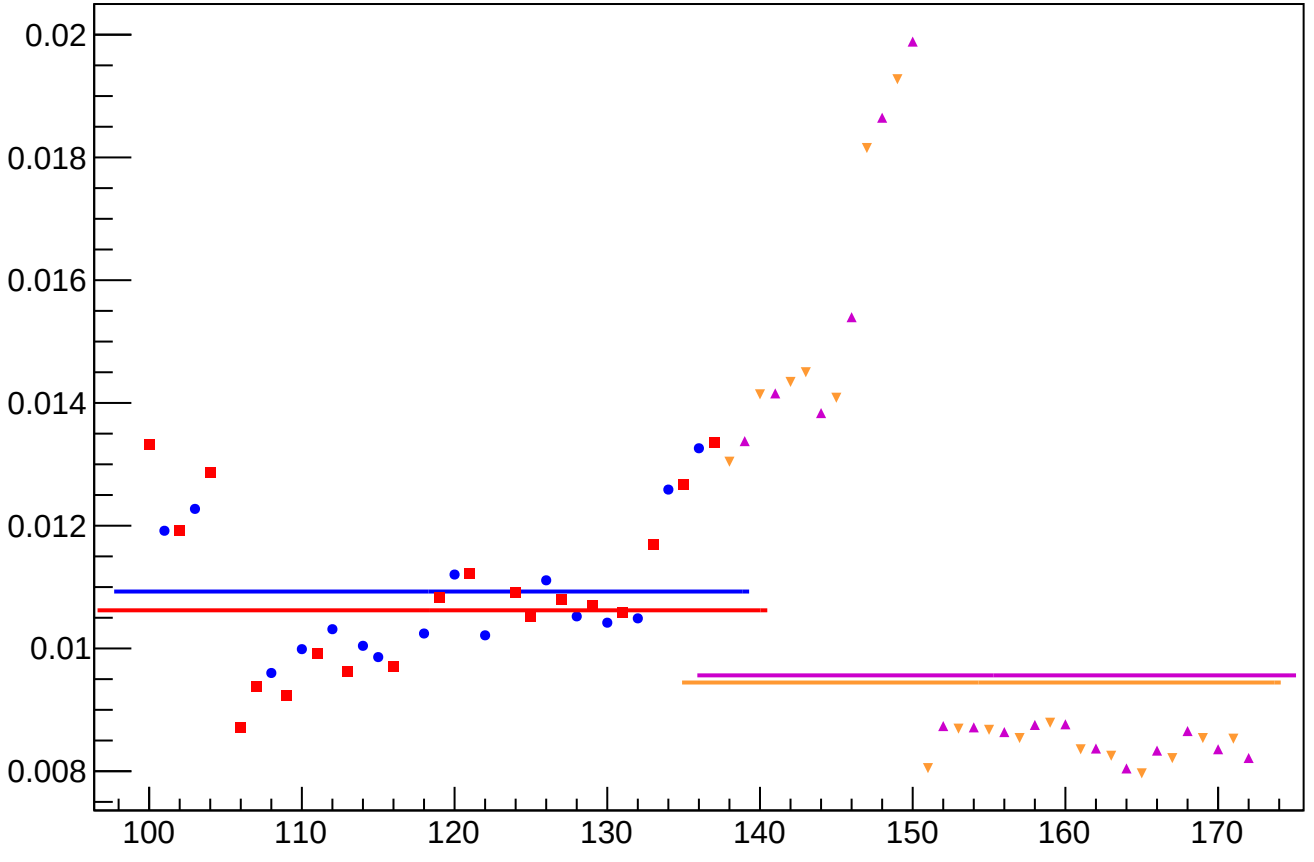
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -1.690+/-0.000 χ^2/NDF:222260318329.7/32

Out: -1.663+/-0.000 χ^2/NDF:234509711038.5/36

All: -1.676+/-0.000 χ^2/NDF: 456842464099.5

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:1864373.7/17

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: 0.010+/-0.000 χ^2/NDF: 3768141.8/34

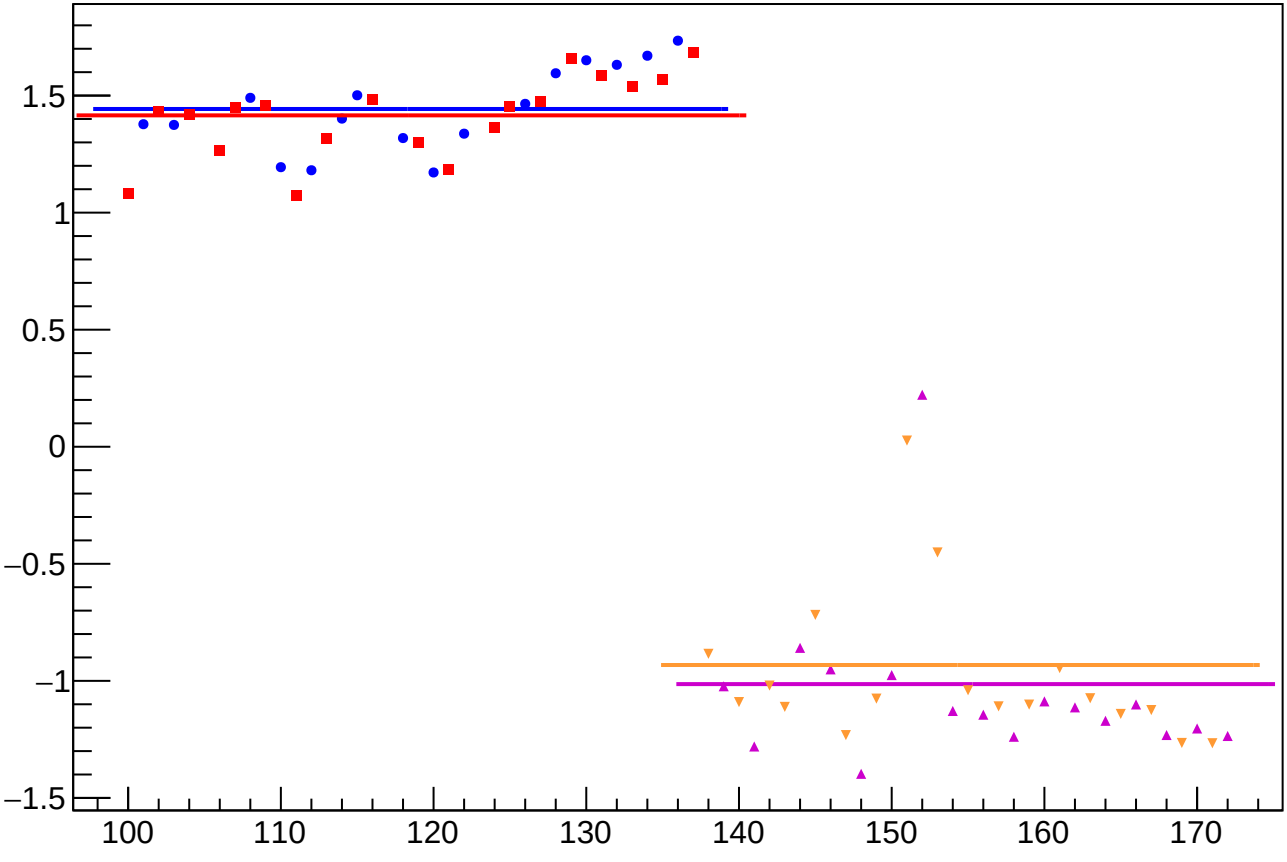
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.010+/-0.000 χ^2/NDF:2195025.5/32

Out: 0.010+/-0.000 χ^2/NDF:2180297.4/36

All: 0.010+/-0.000 χ^2/NDF: 4380621.9/69

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.932+/-0.000 χ^2/NDF:34432557471.7/17

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: -0.973+/-0.000 χ^2/NDF: 77990929242.6/34

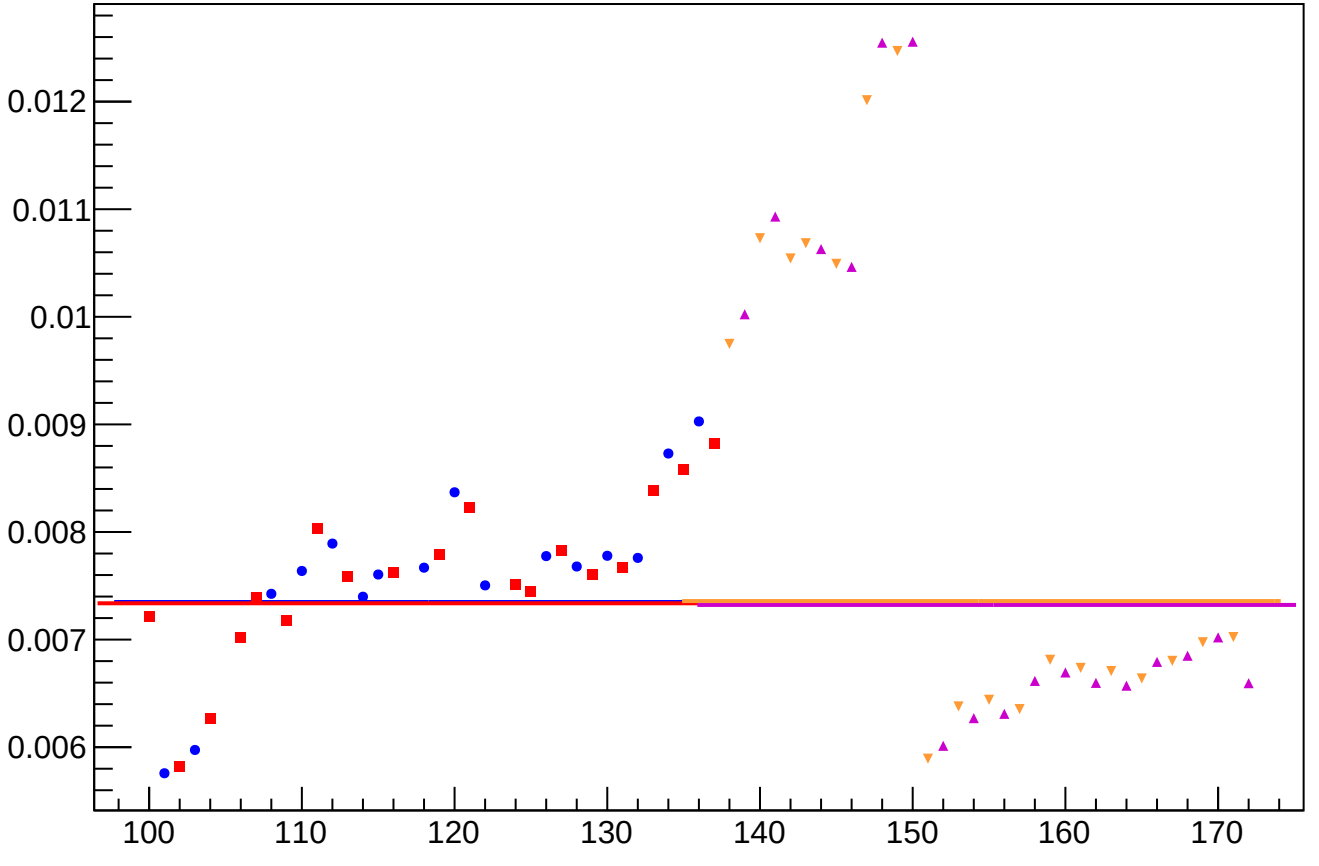
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: -0.161+/-0.000 χ^2/NDF:561887867441.5/32

Out: -0.096+/-0.000 χ^2/NDF:523193604032.8/36

All: -0.128+/-0.000 χ^2/NDF: 1085880534415

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:1457169.3/17

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: 2987459.2/34

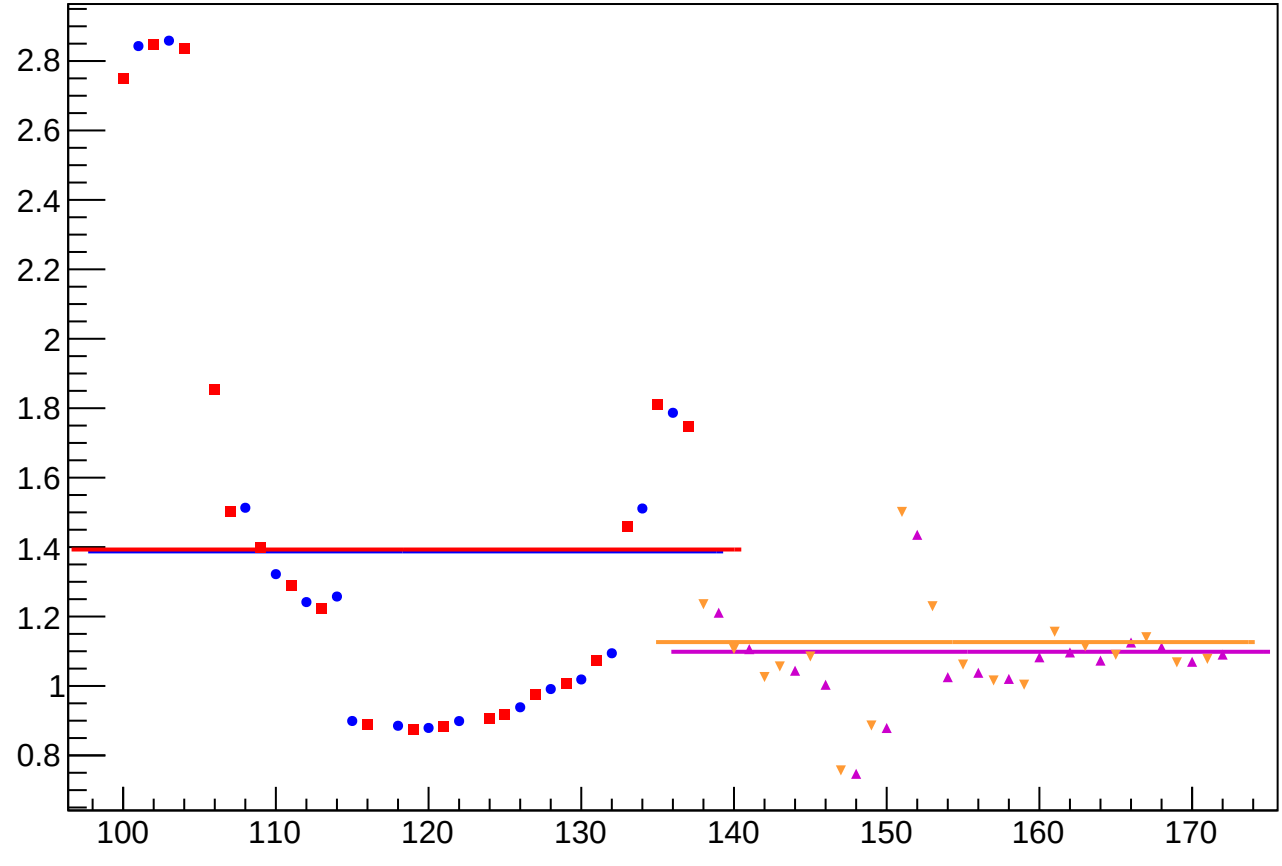
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.007+/-0.000 χ^2/NDF:1800959.9/32

Out: 0.007+/-0.000 χ^2/NDF:1652617.3/36

All: 0.007+/-0.000 χ^2/NDF: 3453718.1/69

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.126+/-0.000 χ^2/NDF:5449717096.0/17

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: 1.113+/-0.000 χ^2/NDF: 9728107825.9/34

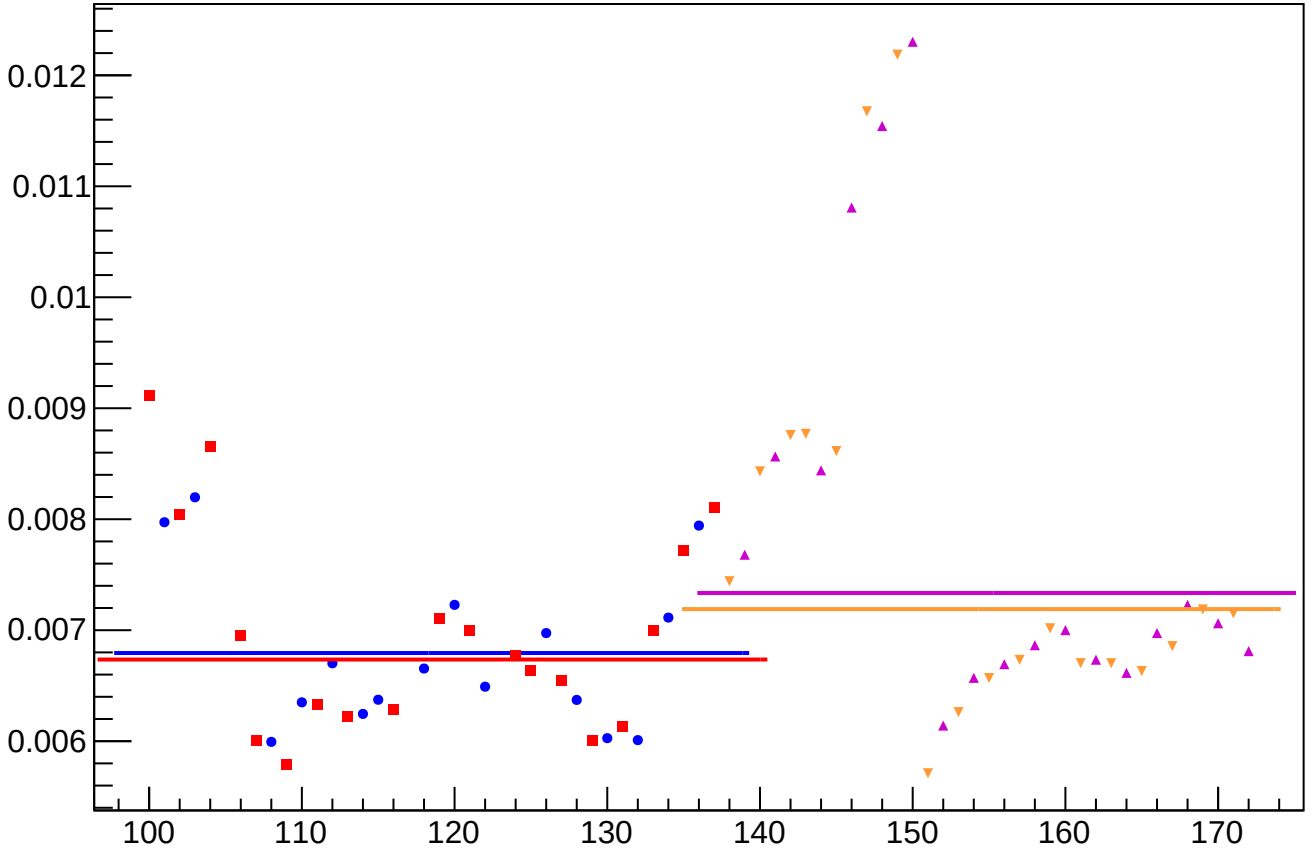
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.210+/-0.000 χ^2/NDF:70708896766.7/32

Out: 1.229+/-0.000 χ^2/NDF:67904465208.0/36

All: 1.220+/-0.000 χ^2/NDF: 138690784846.2

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:825022.8/17

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: 1700515.0/34

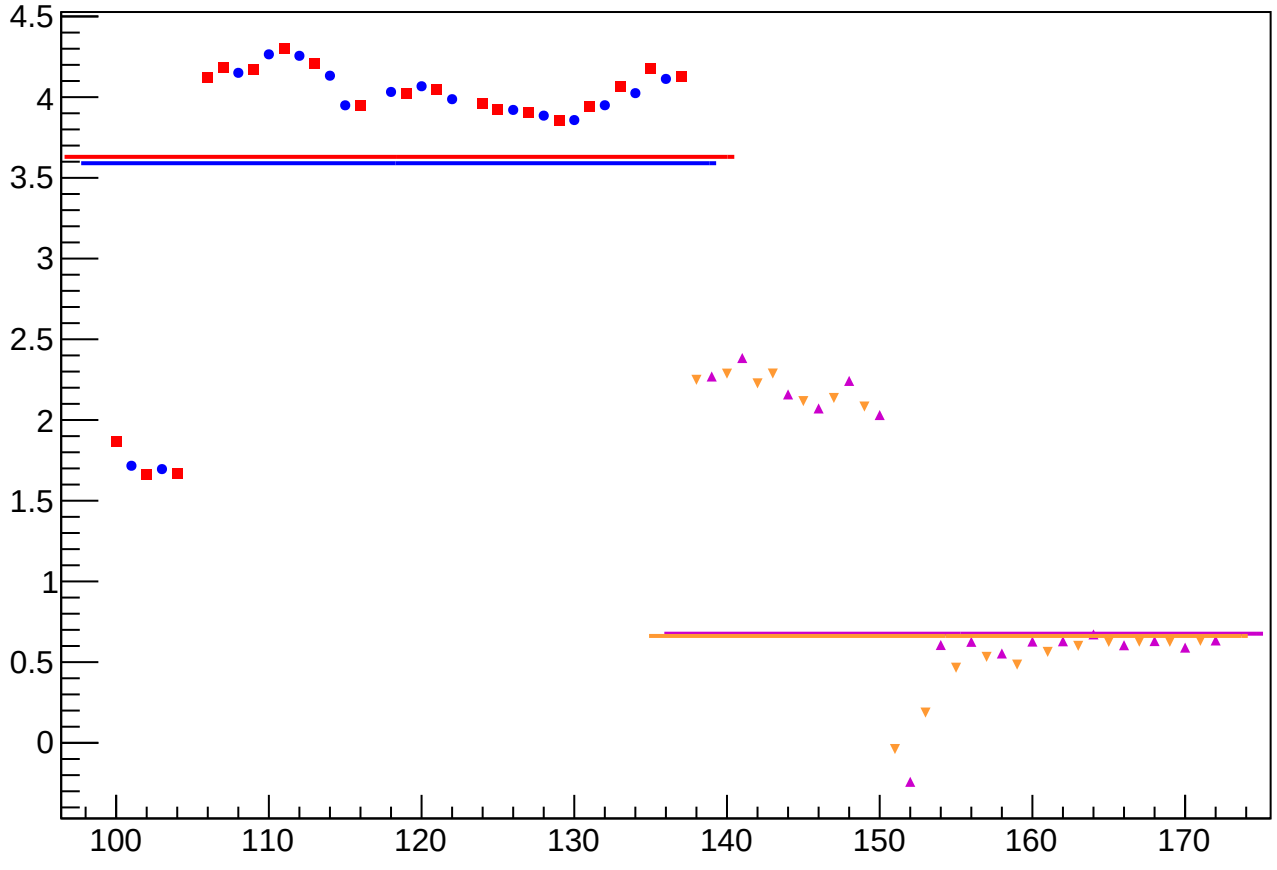
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1090050.2/32

Out: 0.007+/-0.000 χ^2/NDF:1064714.7/36

All: 0.007+/-0.000 χ^2/NDF: 2159927.1/69

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.662+/-0.000 χ^2/NDF:244332583178.5/17

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: 0.669+/-0.000 χ^2/NDF: 487517050064.0/34

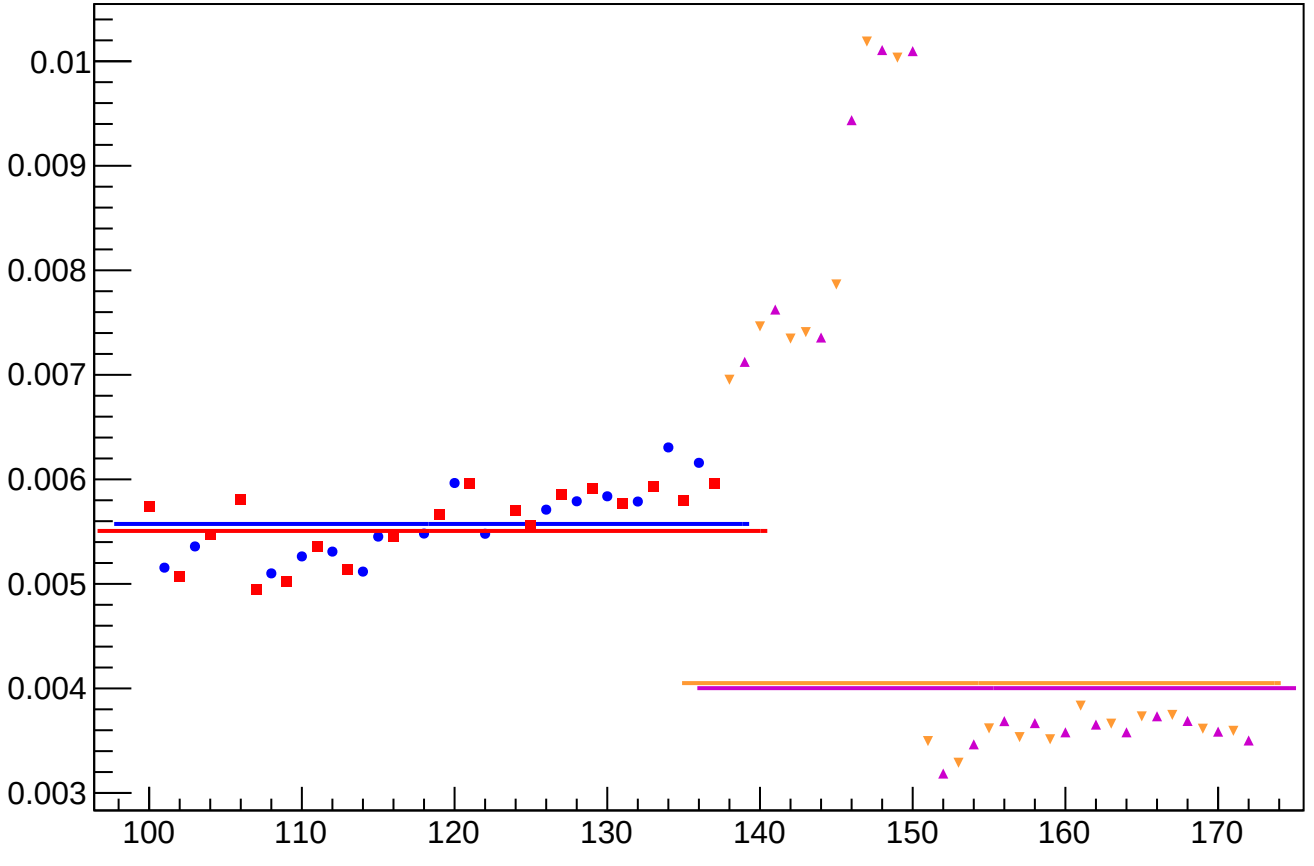
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 1.362+/-0.000 χ^2/NDF:1944026491129.9/32

Out: 1.389+/-0.000 χ^2/NDF:2058559892256.1/36

All: 1.375+/-0.000 χ^2/NDF: 4002949042513.

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:2840122.2/17

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: 5891441.0/34

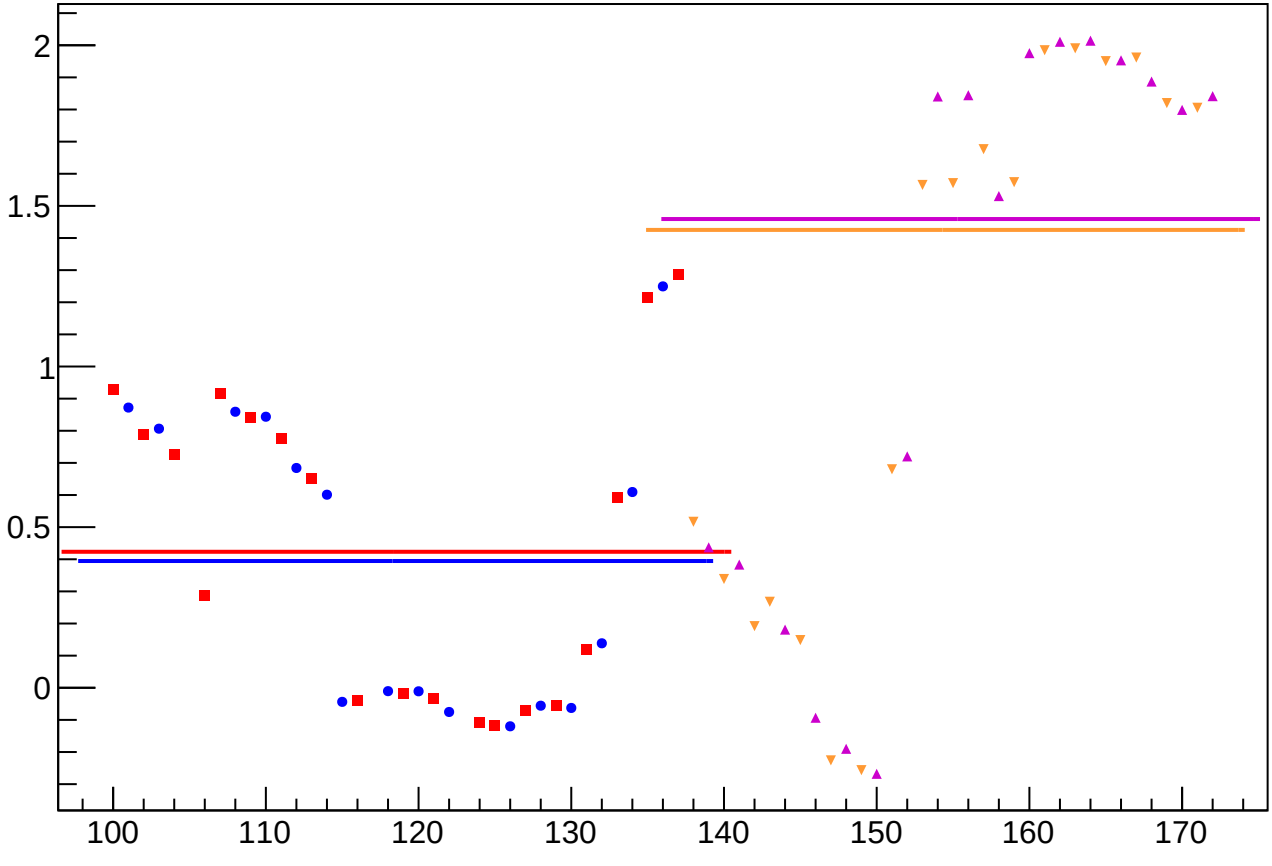
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.004+/-0.000 χ^2/NDF:3979570.7/32

Out: 0.004+/-0.000 χ^2/NDF:3668233.8/36

All: 0.004+/-0.000 χ^2/NDF: 7649022.2/69

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.425+/-0.000 χ^2/NDF:52131466970.6/17

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: 1.442+/-0.000 χ^2/NDF: 109991822340.5/34

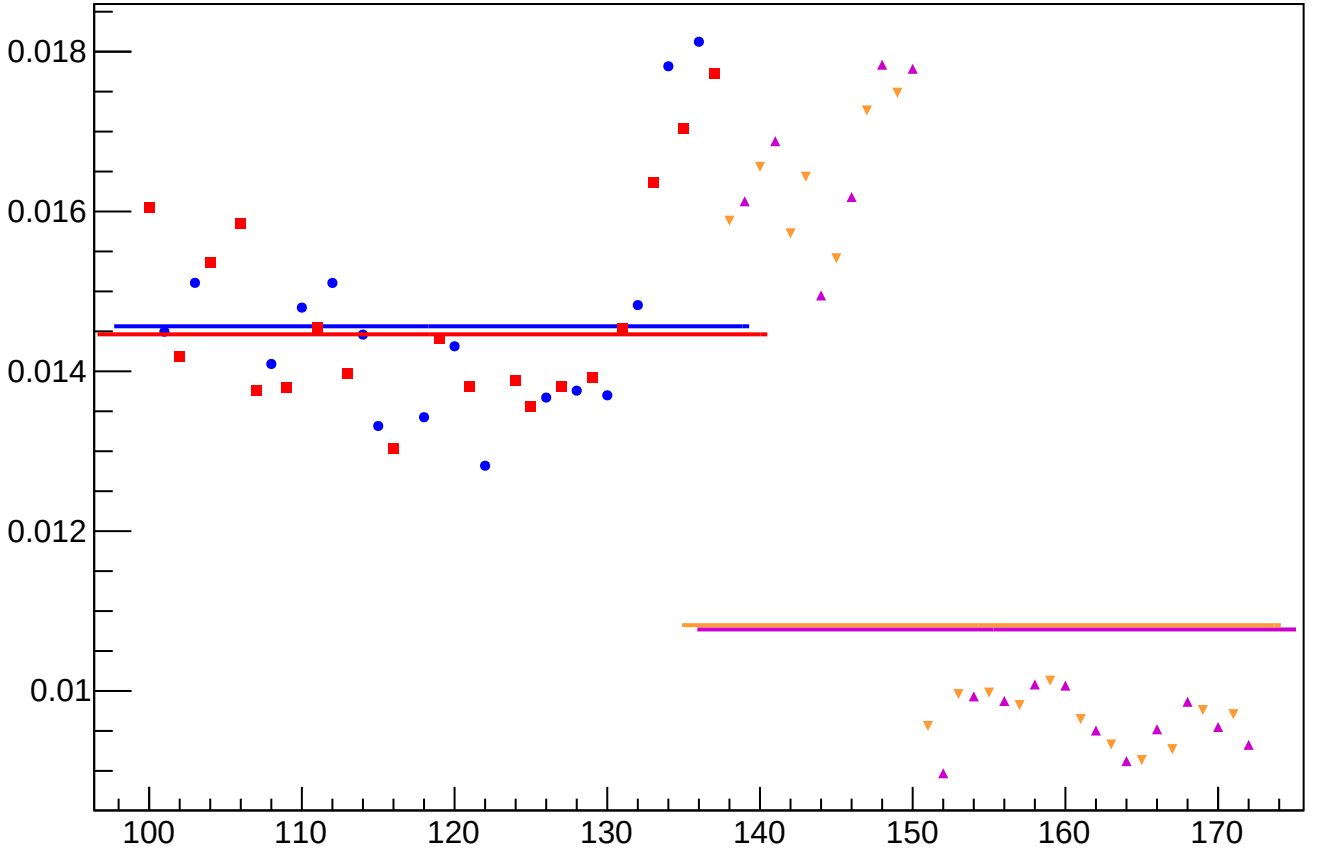
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 1.216+/-0.000 χ^2/NDF:94452718379.7/32

Out: 1.190+/-0.000 χ^2/NDF:85774738402.5/36

All: 1.203+/-0.000 χ^2/NDF: 180277251634.8

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:1503007.5/17

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: 3063986.0/34

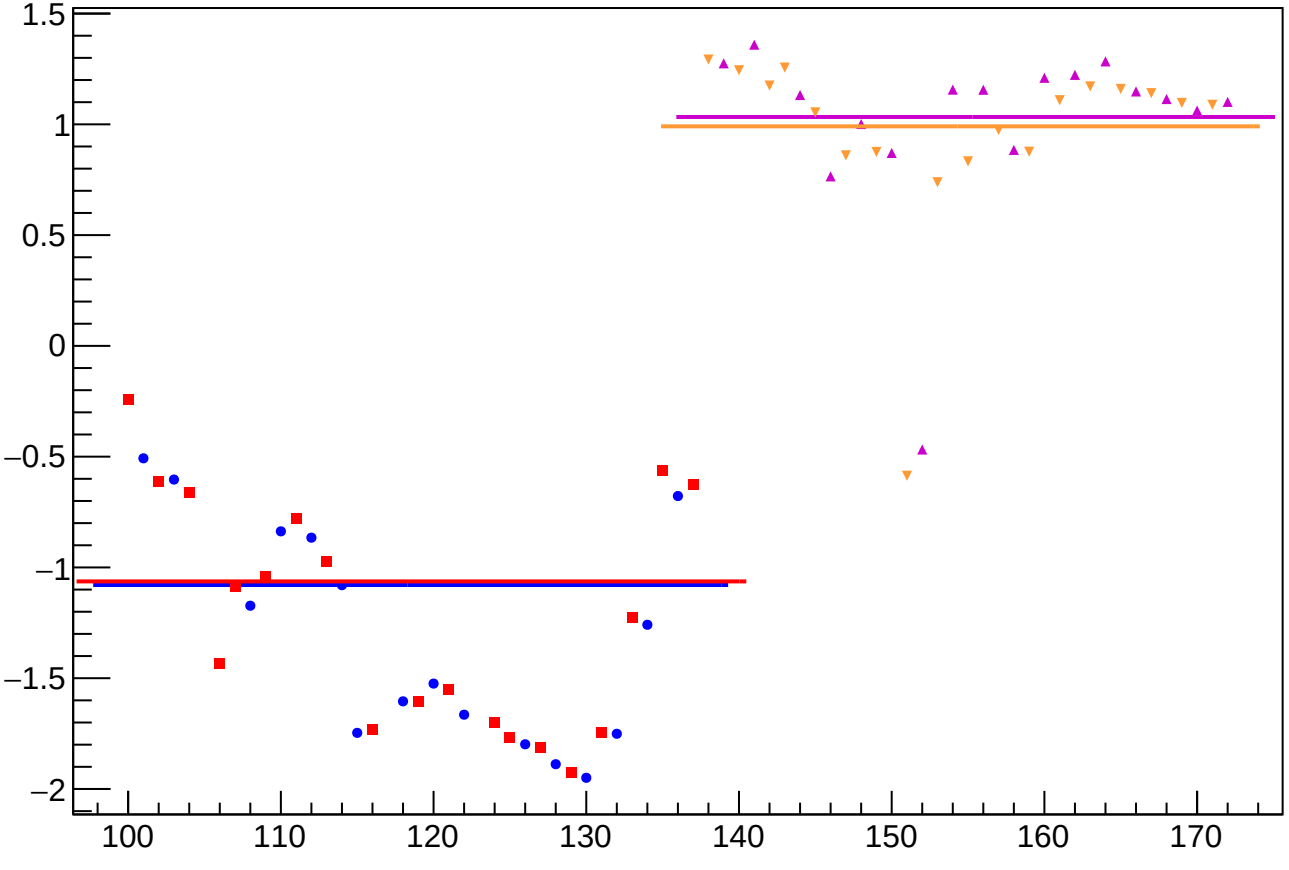
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.012+/-0.000 χ^2/NDF:2436626.6/32

Out: 0.012+/-0.000 χ^2/NDF:2286086.1/36

All: 0.012+/-0.000 χ^2/NDF: 4722969.0/69

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.991+/-0.000 χ^2/NDF:109525576674.5/17

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: 1.012+/-0.000 χ^2/NDF: 235566264052.2/34

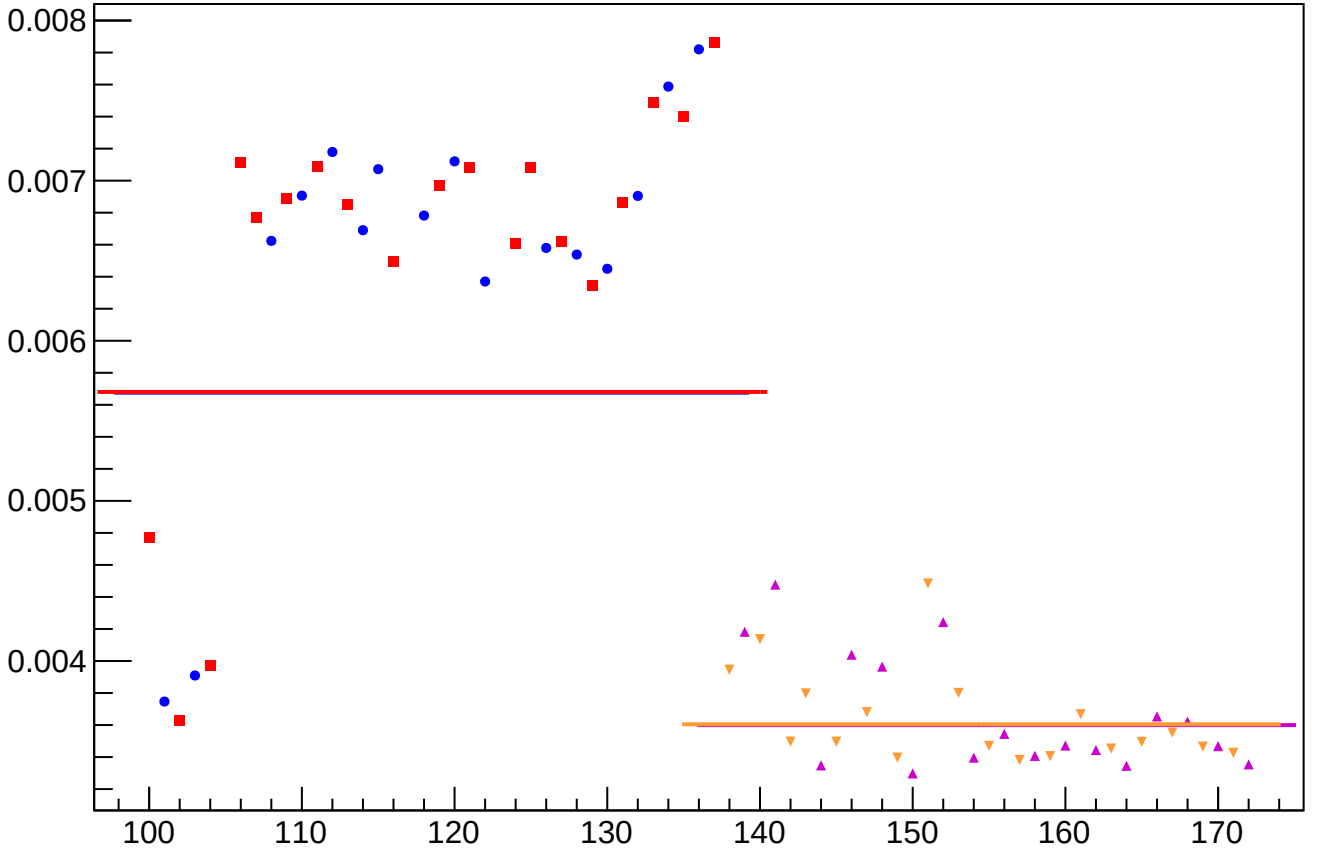
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.676+/-0.000 χ^2/NDF:917905120082.8/32

Out: 0.646+/-0.000 χ^2/NDF:861102856107.5/36

All: 0.661+/-0.000 χ^2/NDF: 1779530882180.

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:131112.1/17

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: 346048.9/34

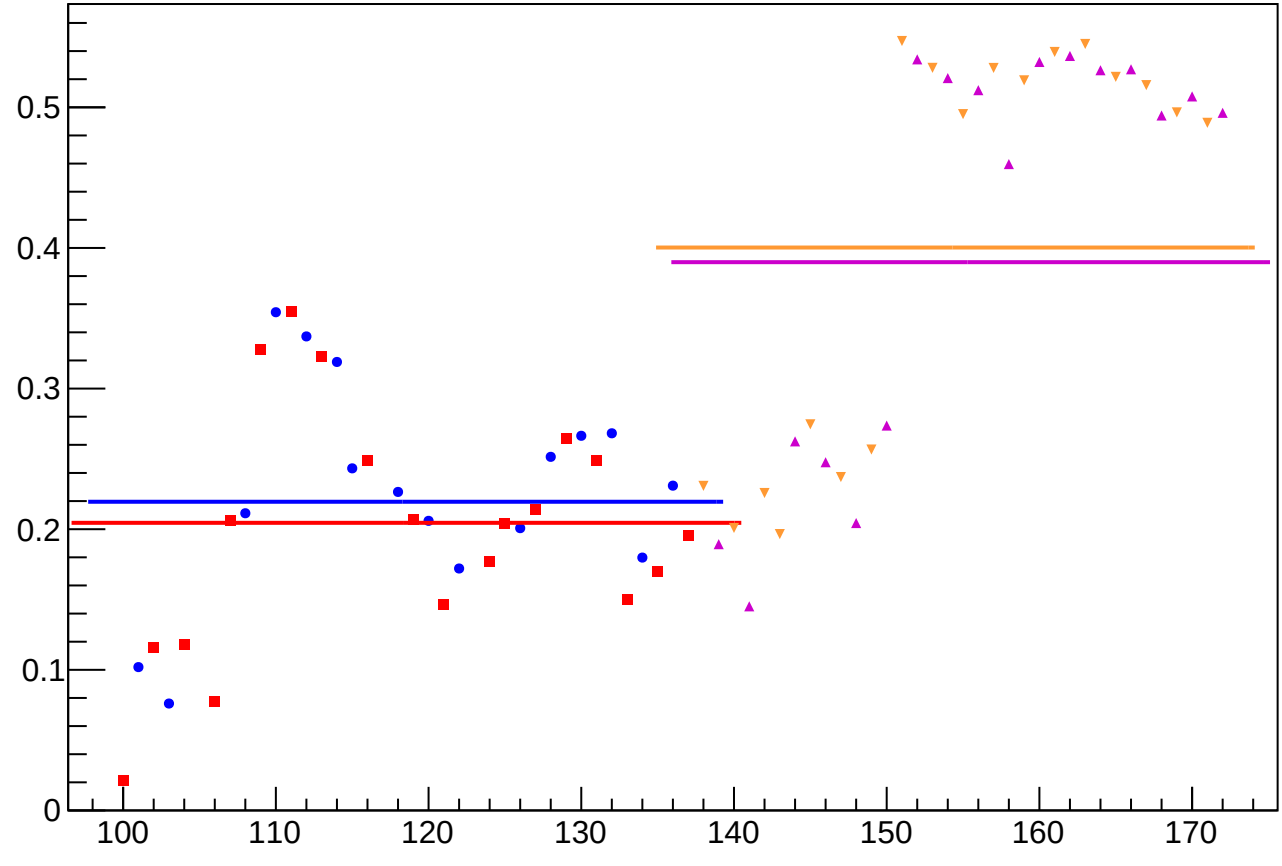
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2576074.9/32

Out: 0.004+/-0.000 χ^2/NDF:2545331.1/36

All: 0.004+/-0.000 χ^2/NDF: 5121412.2/69

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.400+/-0.000 χ^2/NDF:133282625069.9/17

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: 0.395+/-0.000 χ^2/NDF: 263896271209.5/34

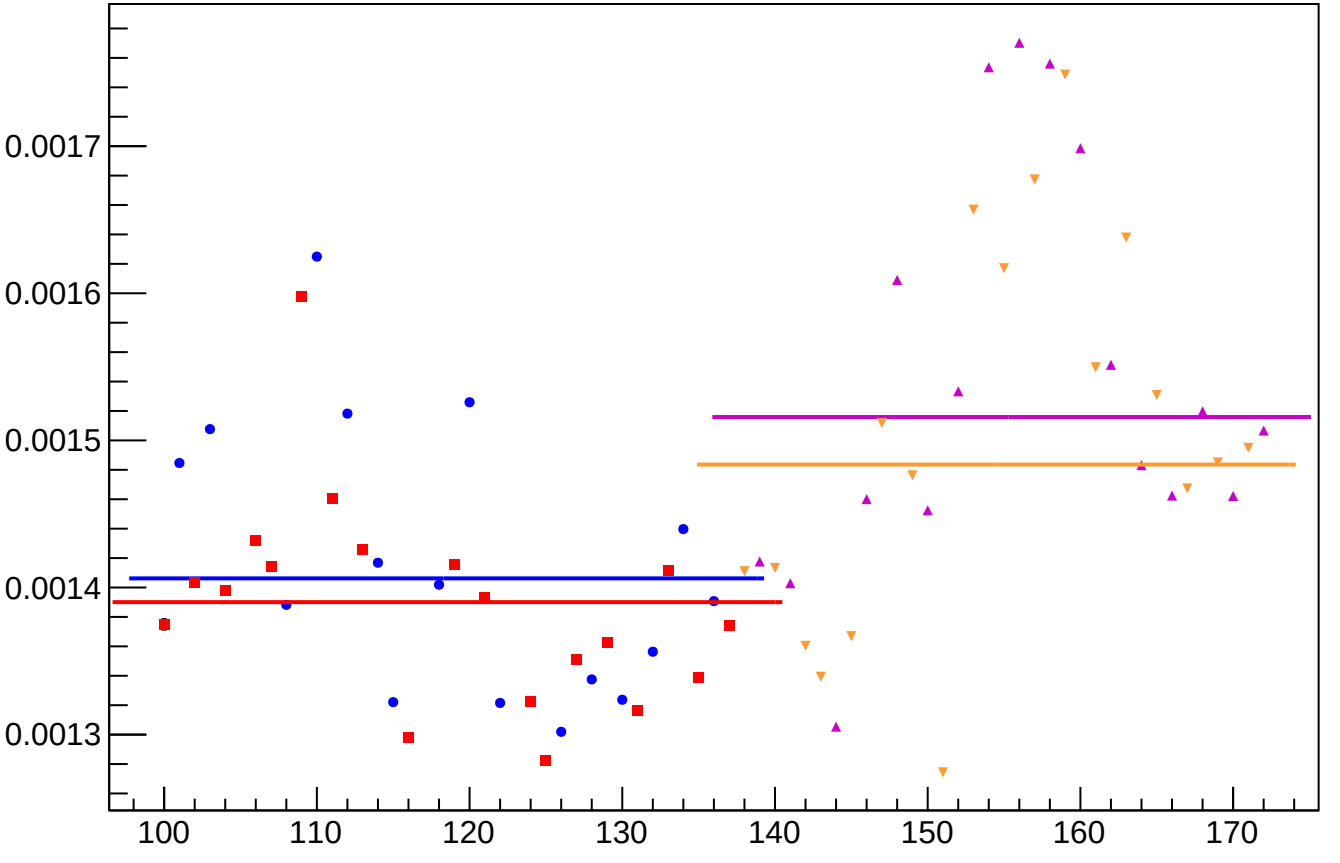
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.327+/-0.000 χ^2/NDF:211101012613.1/32

Out: 0.327+/-0.000 χ^2/NDF:246673598044.1/36

All: 0.327+/-0.000 χ^2/NDF: 457775472475.7

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:200903.9/17

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: 406141.5/34

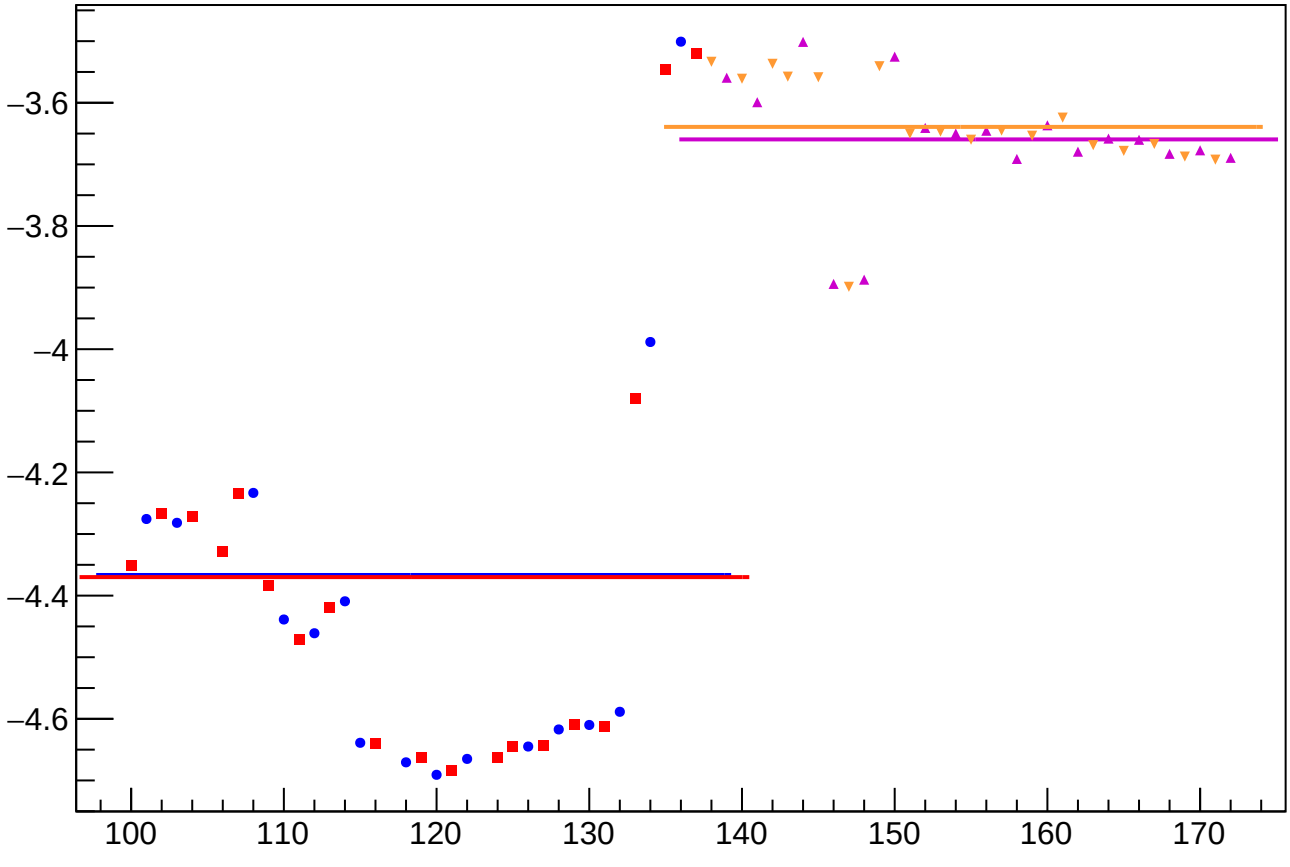
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:300144.0/32

Out: 0.001+/-0.000 χ^2/NDF:277264.9/36

All: 0.001+/-0.000 χ^2/NDF: 584334.0/69

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.367+/-0.000 χ^2/NDF: 353013303743.6/15

Left Out: -3.639+/-0.000 χ^2/NDF:24086657880.5/17

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: -3.649+/-0.000 χ^2/NDF: 59062887934.2/34

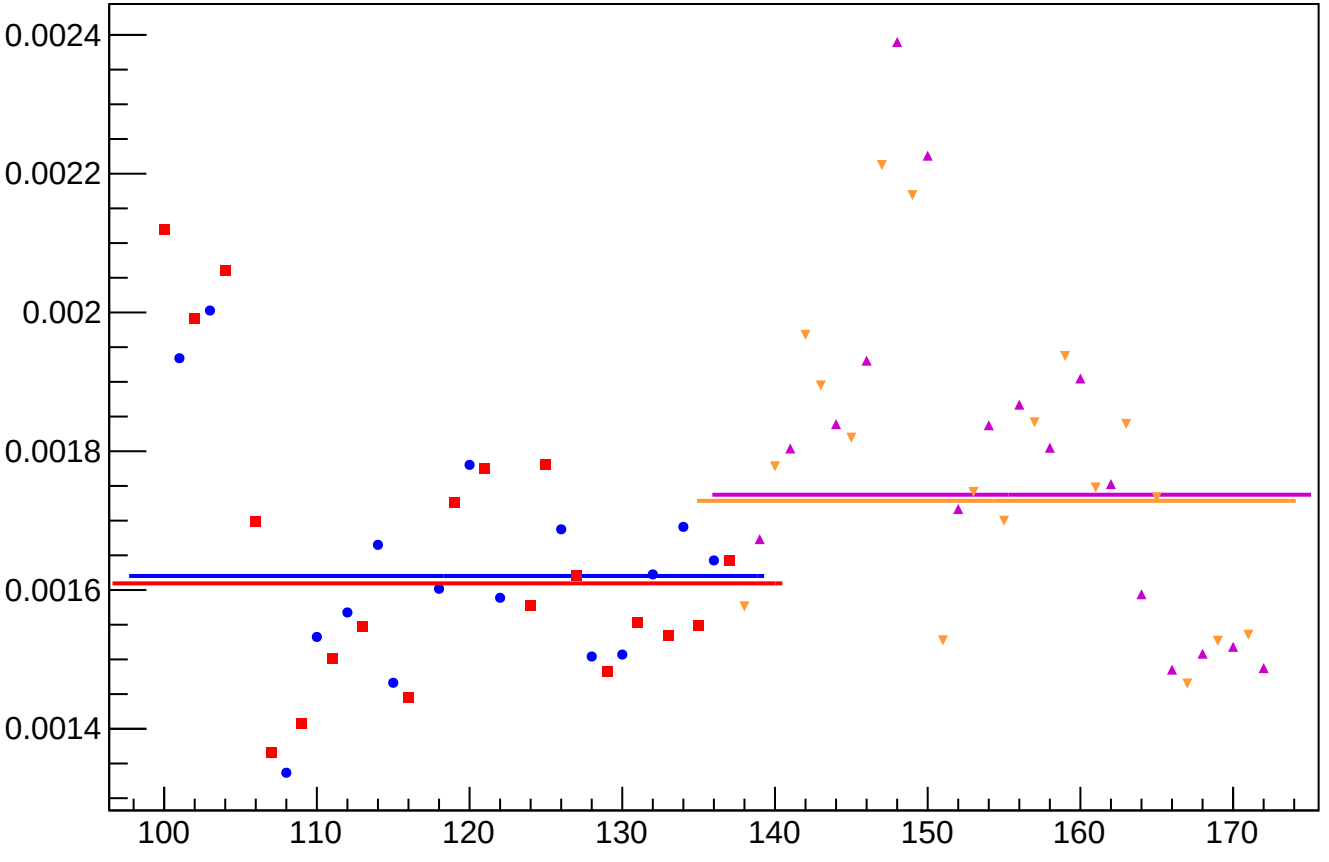
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -3.922+/-0.000 χ^2/NDF:1210516750176.8/32

Out: -3.914+/-0.000 χ^2/NDF:1235163337368.5/36

All: -3.918+/-0.000 χ^2/NDF: 2445879093431

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:351240.2/17

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: 771058.3/34

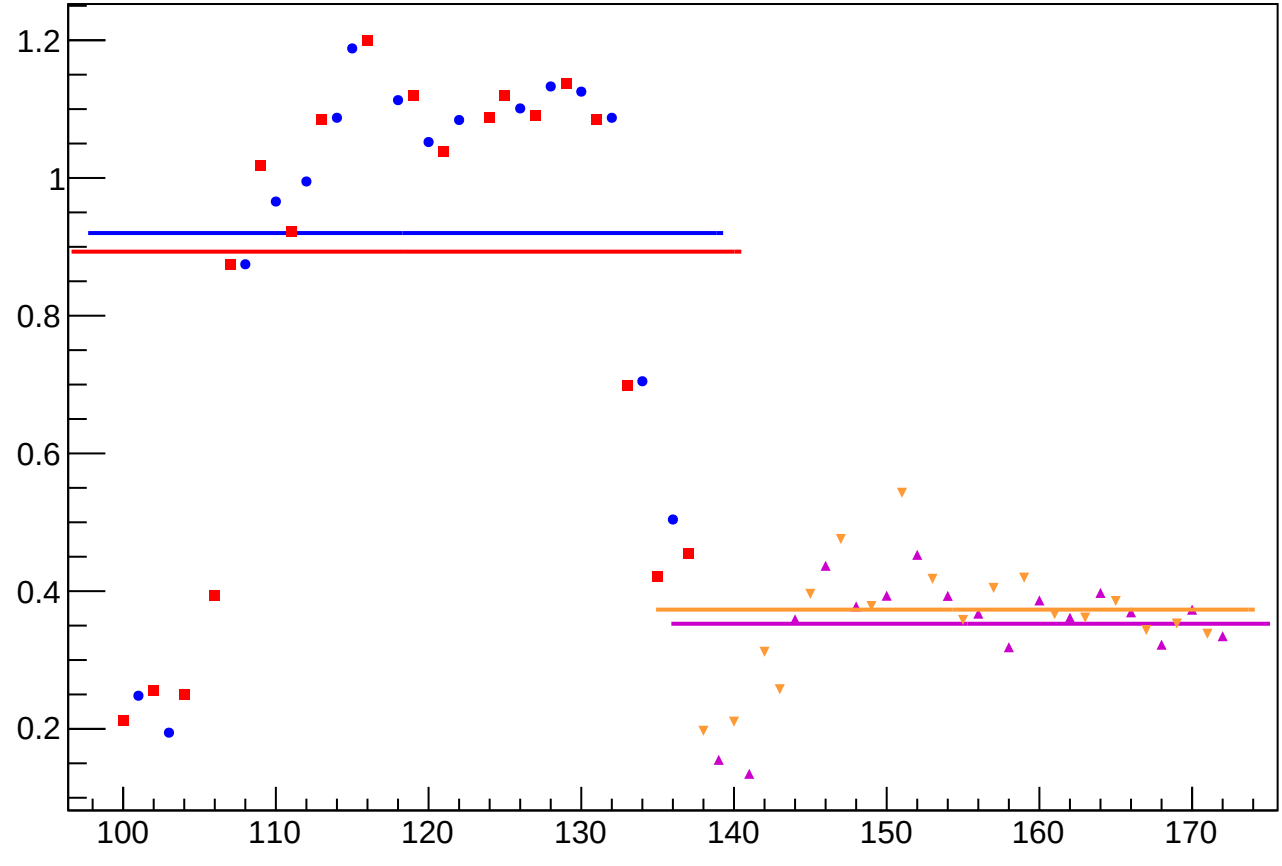
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:604854.3/32

Out: 0.002+/-0.000 χ^2/NDF:584694.4/36

All: 0.002+/-0.000 χ^2/NDF: 1190288.2/69

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.373+/-0.000 χ^2/NDF:1734238207.7/17

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: 0.363+/-0.000 χ^2/NDF: 3243297087.3/34

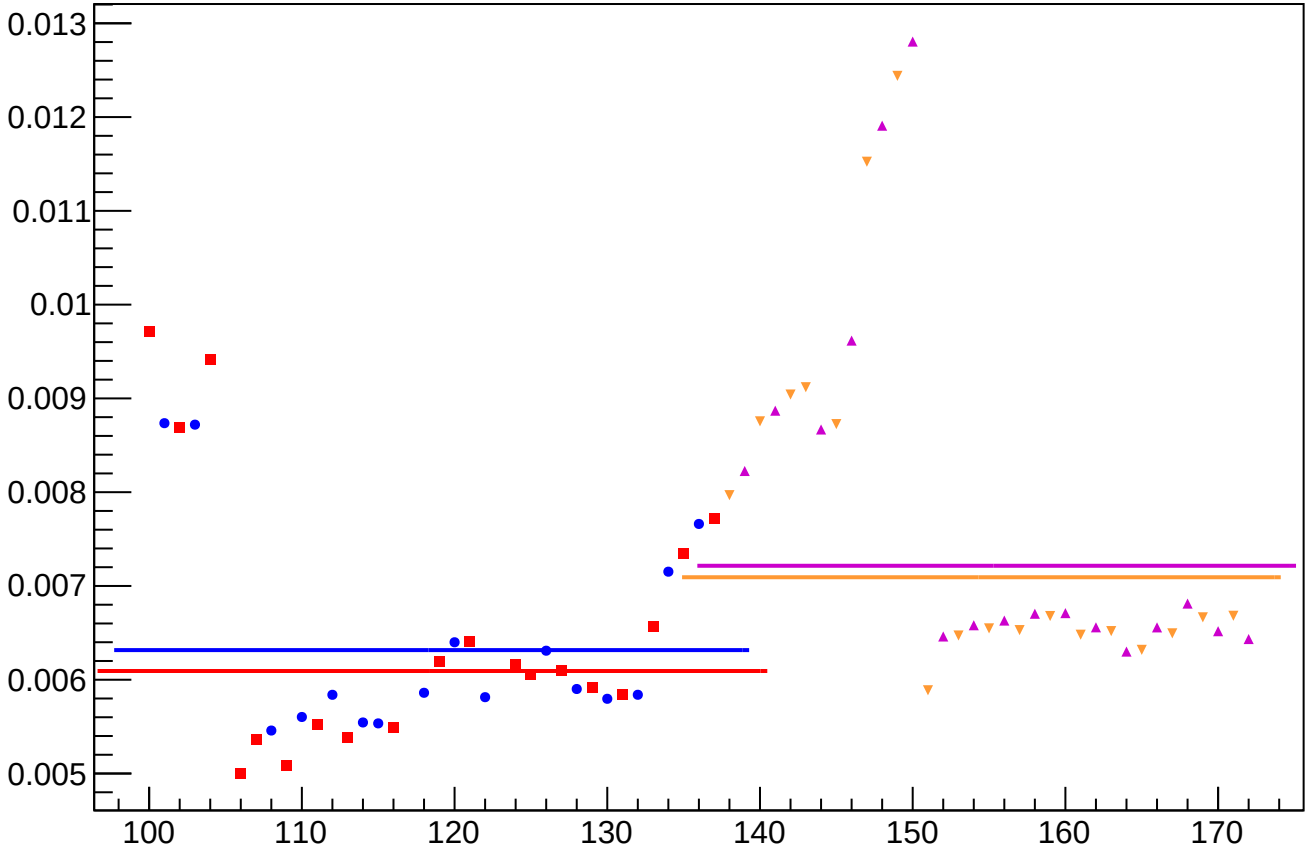
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.583+/-0.000 χ^2/NDF:49671179156.8/32

Out: 0.591+/-0.000 χ^2/NDF:50058384697.2/36

All: 0.587+/-0.000 χ^2/NDF: 99745272001.8/6

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:992916.4/17

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1019239.5/16

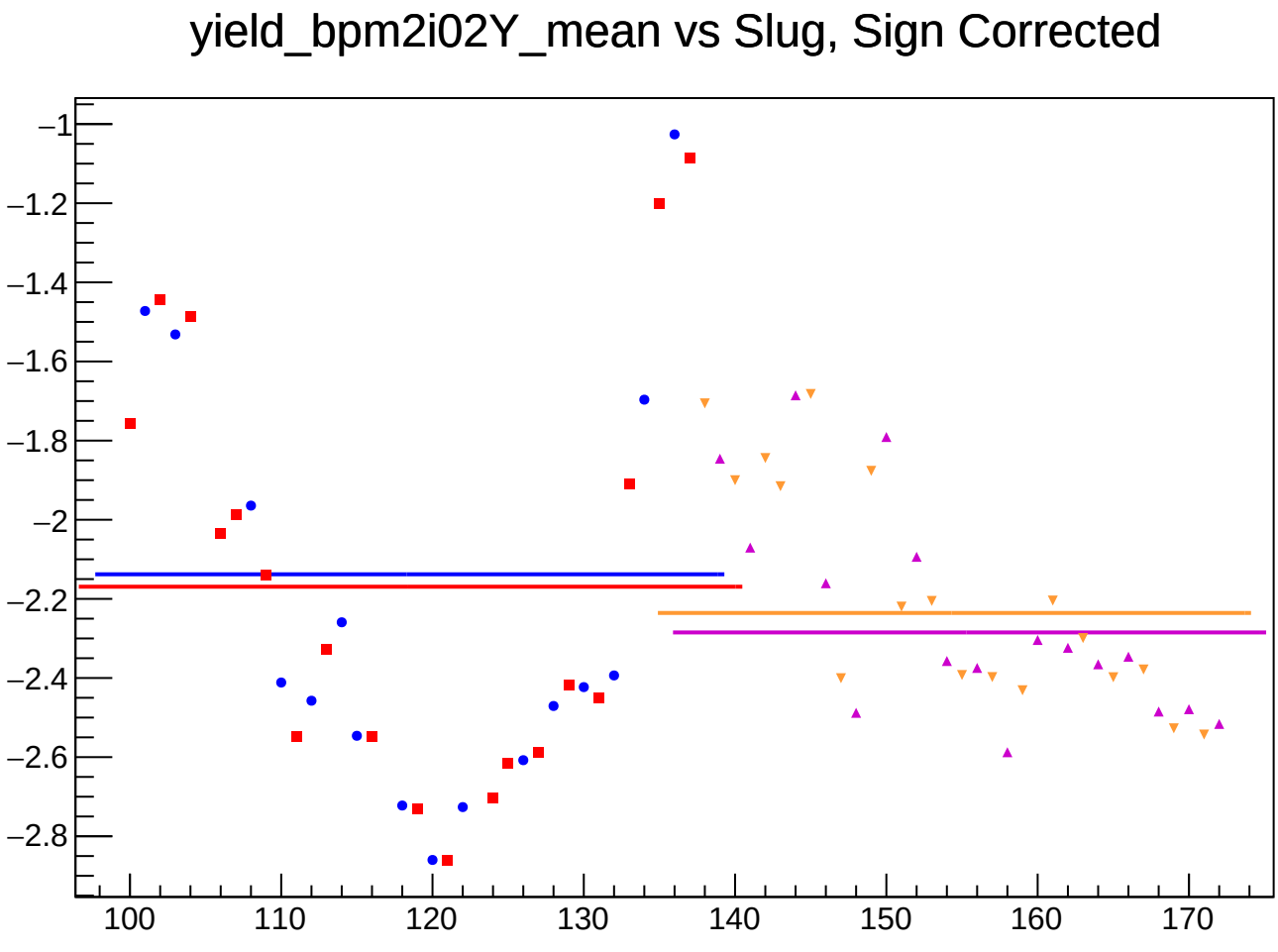
Left: 0.007+/-0.000 χ^2/NDF: 2016117.8/34

Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

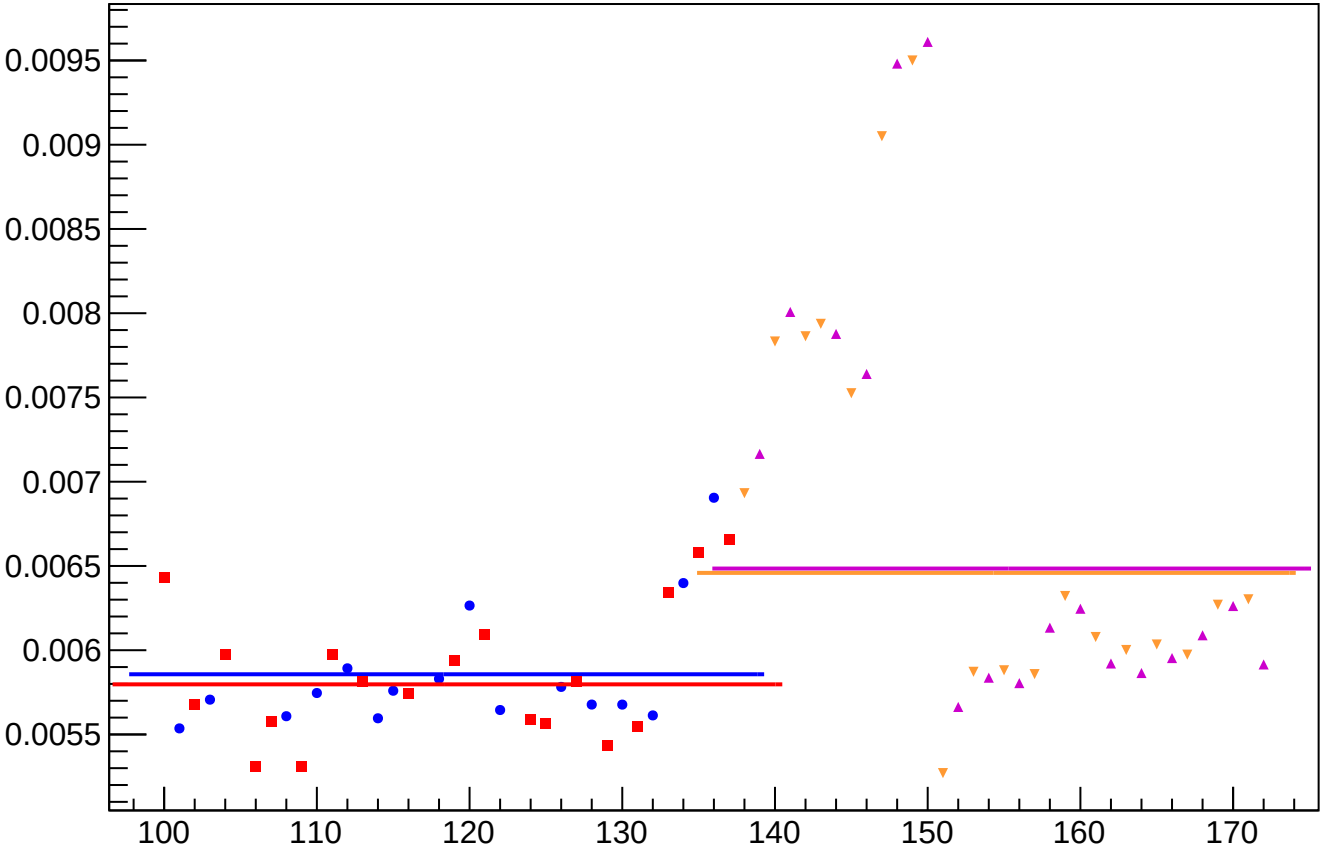
In: 0.007+/-0.000 χ^2/NDF:1524025.3/32

Out: 0.007+/-0.000 χ^2/NDF:1655808.6/36

All: 0.007+/-0.000 χ^2/NDF: 3193879.4/69


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: -2.236+/-0.000 χ²/NDF:21092367522.1/17
Right Out: -2.169+/-0.000 χ²/NDF: 57409196879.6/18
Left In: -2.285+/-0.000 χ²/NDF:18612828351.9/16
Left: -2.260+/-0.000 χ²/NDF: 40103240941.7/34
Right: -2.154+/-0.000 χ²/NDF: 123181980201.2/34
In: -2.227+/-0.000 χ²/NDF:87029370720.0/32
Out: -2.209+/-0.000 χ²/NDF:79086392294.9/36
All: -2.218+/-0.000 χ²/NDF: 166205211932.1

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:652637.9/17

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: 1334644.3/34

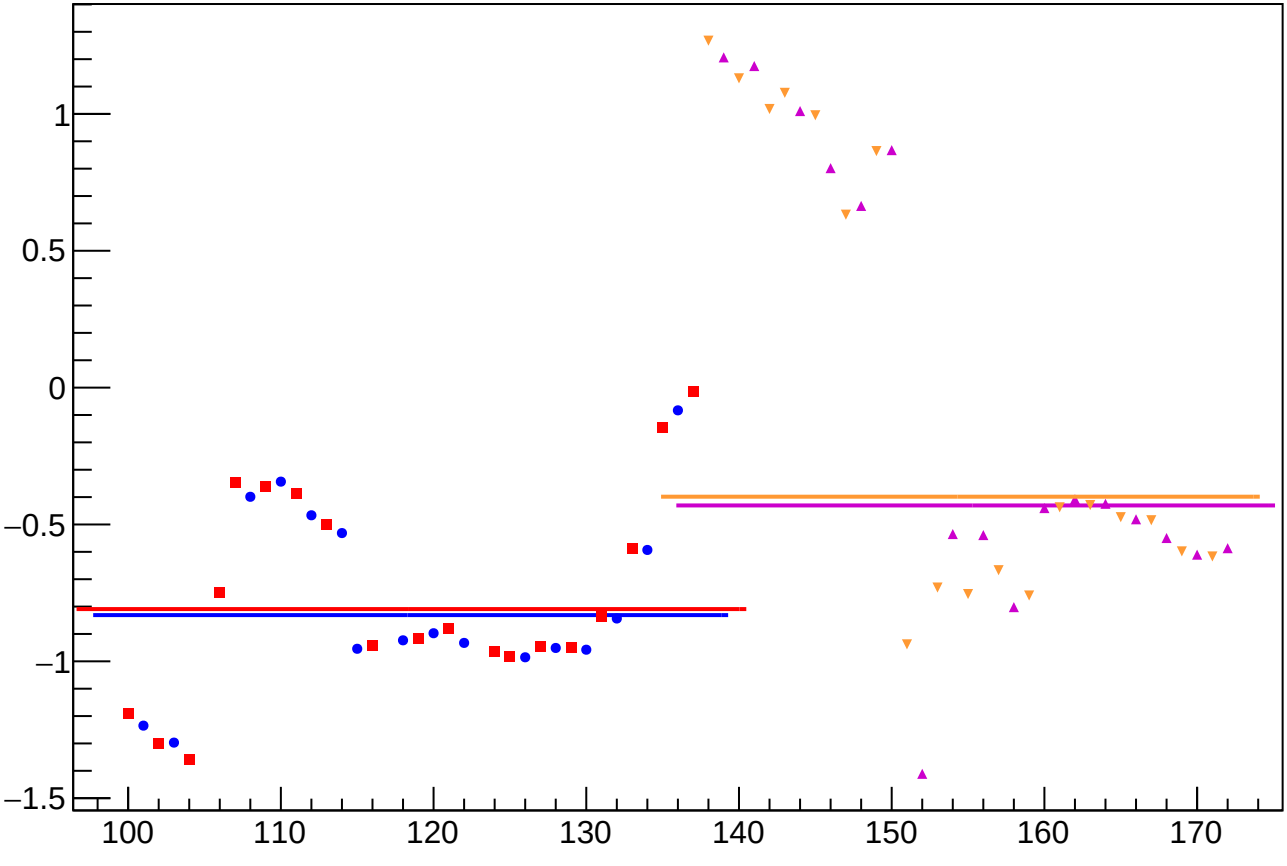
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:843985.0/32

Out: 0.006+/-0.000 χ^2/NDF:825398.7/36

All: 0.006+/-0.000 χ^2/NDF: 1670458.9/69

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.398+/-0.000 χ^2/NDF:79639186166.7/17

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: -0.414+/-0.000 χ^2/NDF: 168897500363.1/34

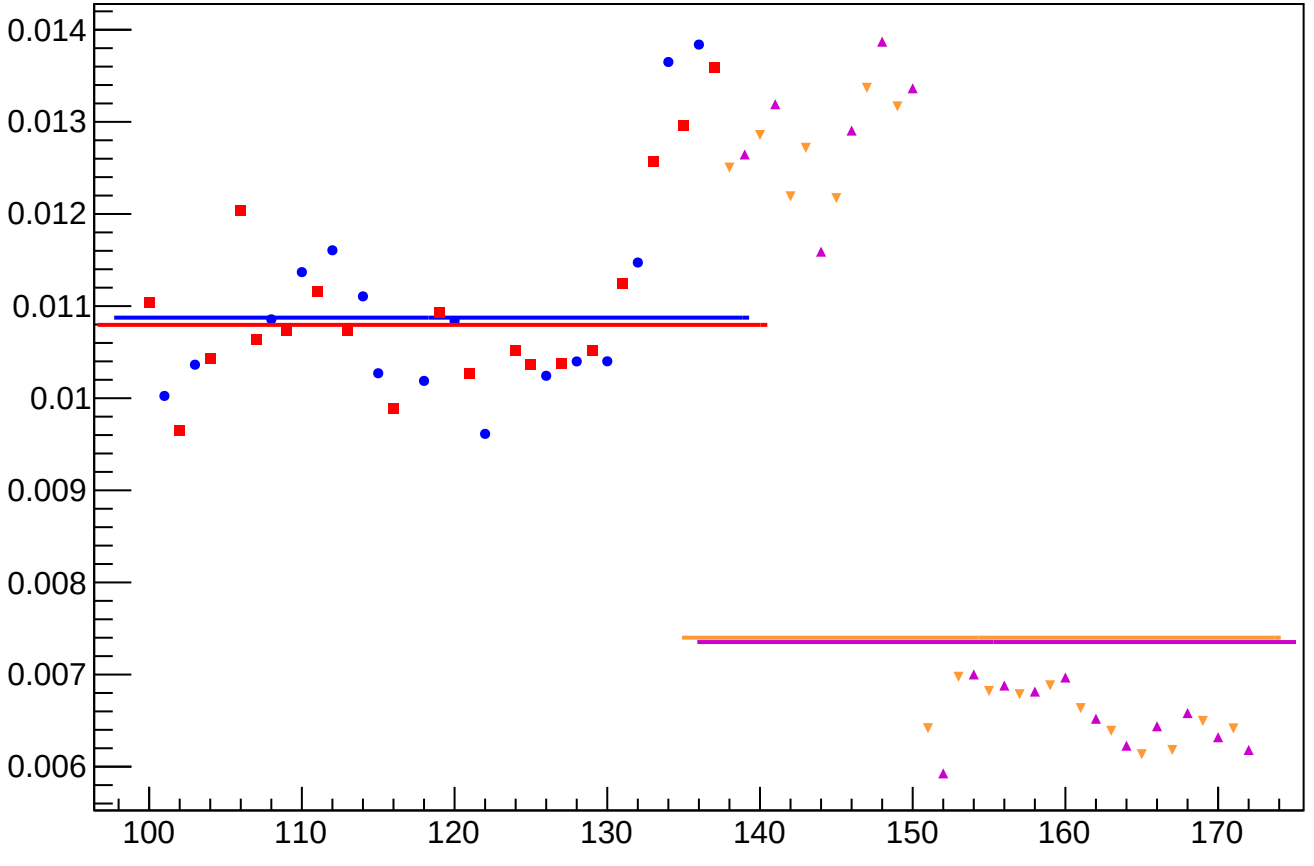
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.512+/-0.000 χ^2/NDF:103863275215.1/32

Out: -0.484+/-0.000 χ^2/NDF:96052477878.9/36

All: -0.498+/-0.000 χ^2/NDF: 200025841613.0

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:2164628.8/17

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: 4404304.8/34

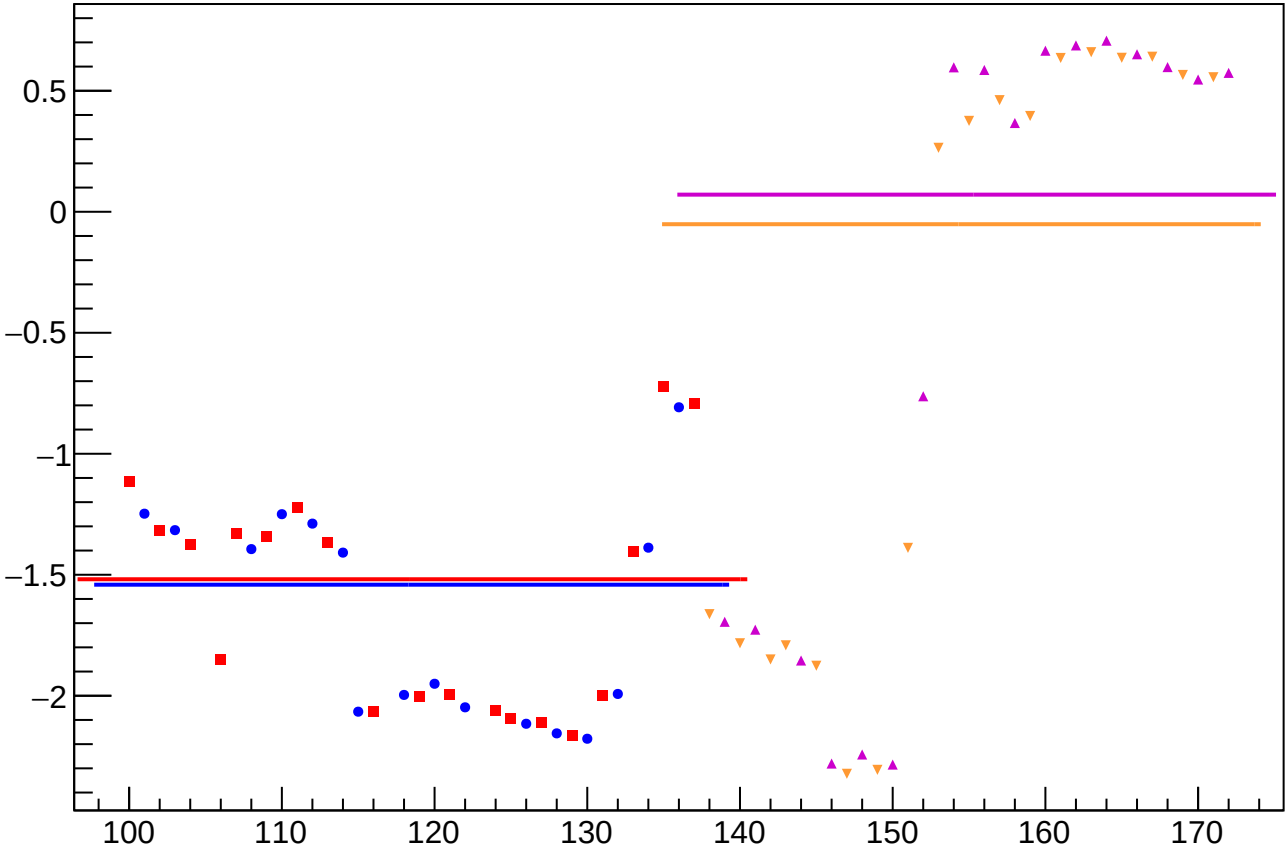
Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.008+/-0.000 χ^2/NDF:3573190.7/32

Out: 0.008+/-0.000 χ^2/NDF:3394507.7/36

All: 0.008+/-0.000 χ^2/NDF: 6968265.9/69

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -0.051+/-0.000 χ^2/NDF:2132976170587.8/17

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: 0.009+/-0.000 χ^2/NDF: 4113813690947.6/34

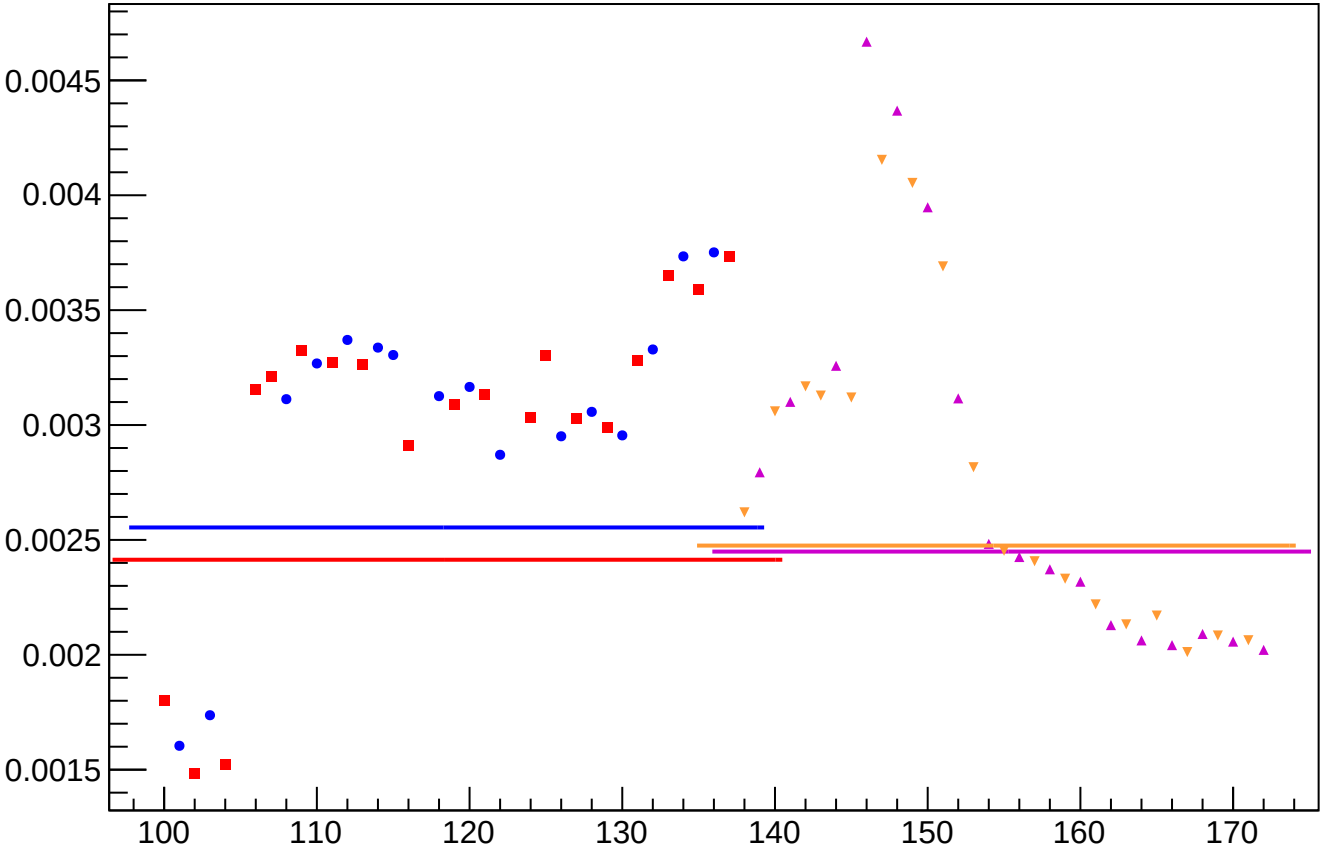
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -0.442+/-0.000 χ^2/NDF:3773857399909.4/32

Out: -0.545+/-0.000 χ^2/NDF:3731002177517.3/36

All: -0.494+/-0.000 χ^2/NDF: 7520683843836

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:1075038.8/17

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.002+/-0.000 χ^2/NDF:1284071.3/16

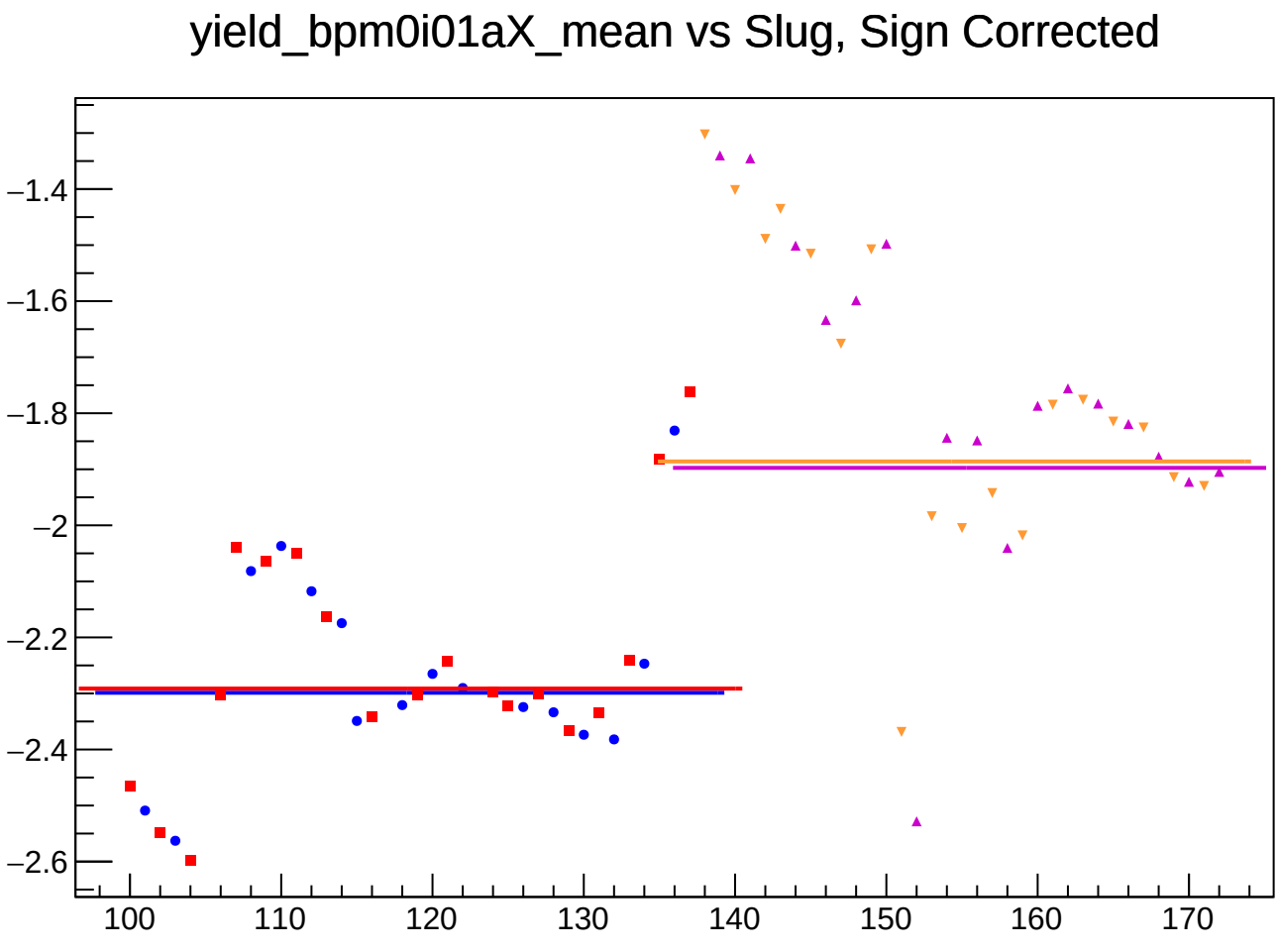
Left: 0.002+/-0.000 χ^2/NDF: 2360474.6/34

Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

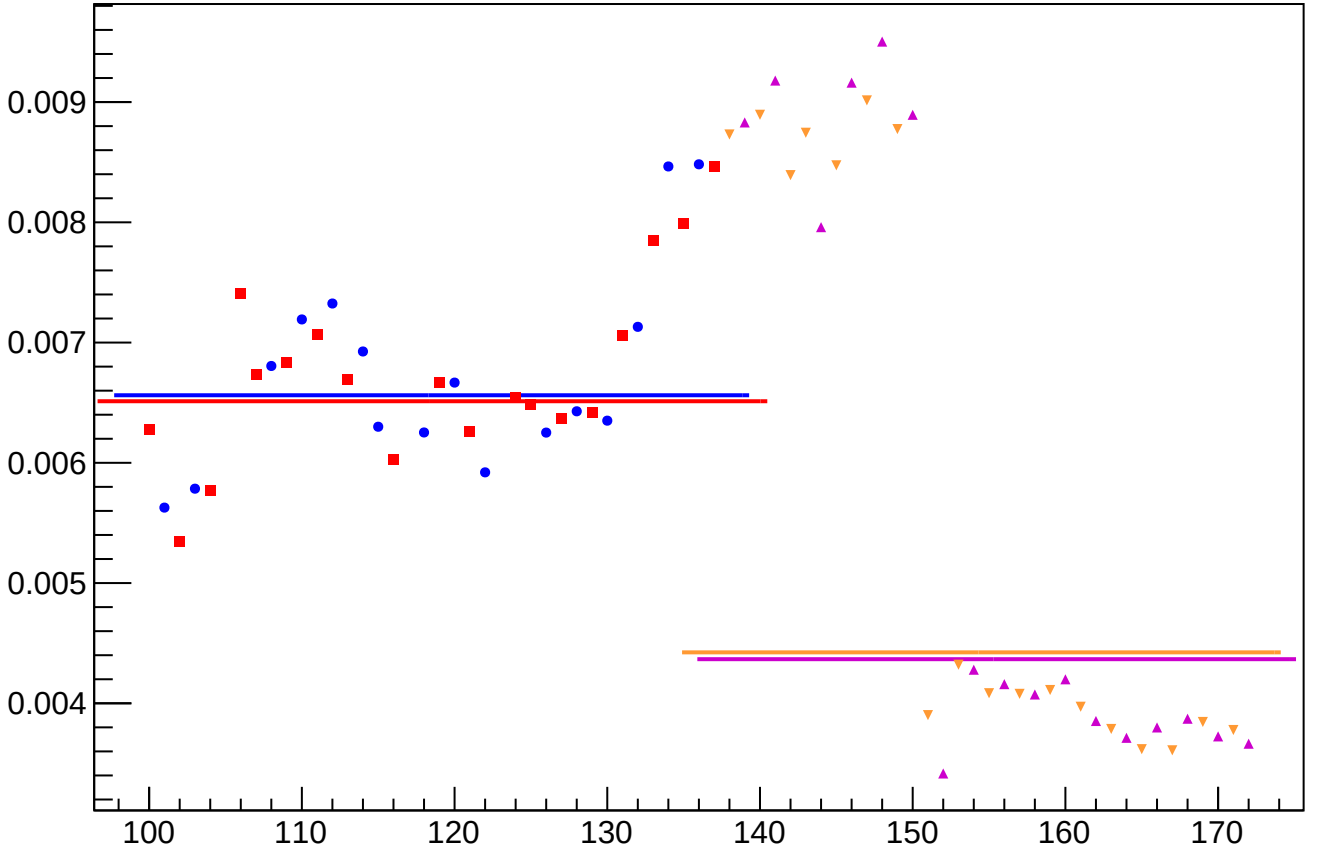
In: 0.002+/-0.000 χ^2/NDF:2470467.5/32

Out: 0.002+/-0.000 χ^2/NDF:2626994.4/36

All: 0.002+/-0.000 χ^2/NDF: 5099788.5/69


yield_bpm0i01aX_mean vs Slug, Sign Corrected
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
100
110
120
130
140
150
160
170
Right In: -2.299+/-0.000 χ²/NDF: 6129071089.8/15
Left Out: -1.886+/-0.000 χ²/NDF:27380011461.8/17
Right Out: -2.291+/-0.000 χ²/NDF: 6831007568.9/18
Left In: -1.897+/-0.000 χ²/NDF:43345890535.8/16
Left: -1.892+/-0.000 χ²/NDF: 70767288477.2/34
Right: -2.295+/-0.000 χ²/NDF: 12964639512.9/34
In: -1.979+/-0.000 χ²/NDF:70110055903.1/32
Out: -1.971+/-0.000 χ²/NDF:55921496311.6/36
All: -1.975+/-0.000 χ²/NDF: 126053882807.8

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:2855279.0/17

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.004+/-0.000 χ^2/NDF:2964054.1/16

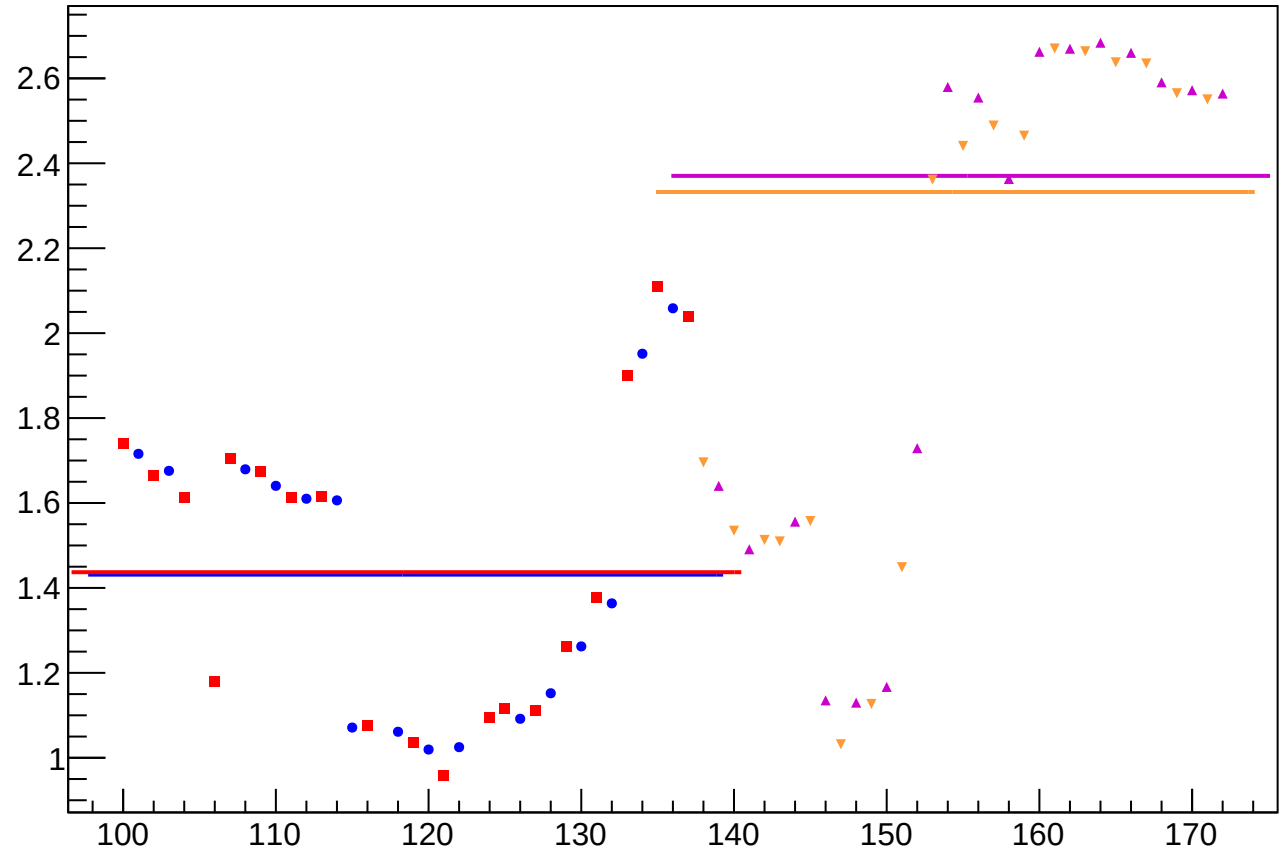
Left: 0.004+/-0.000 χ^2/NDF: 5821361.8/34

Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

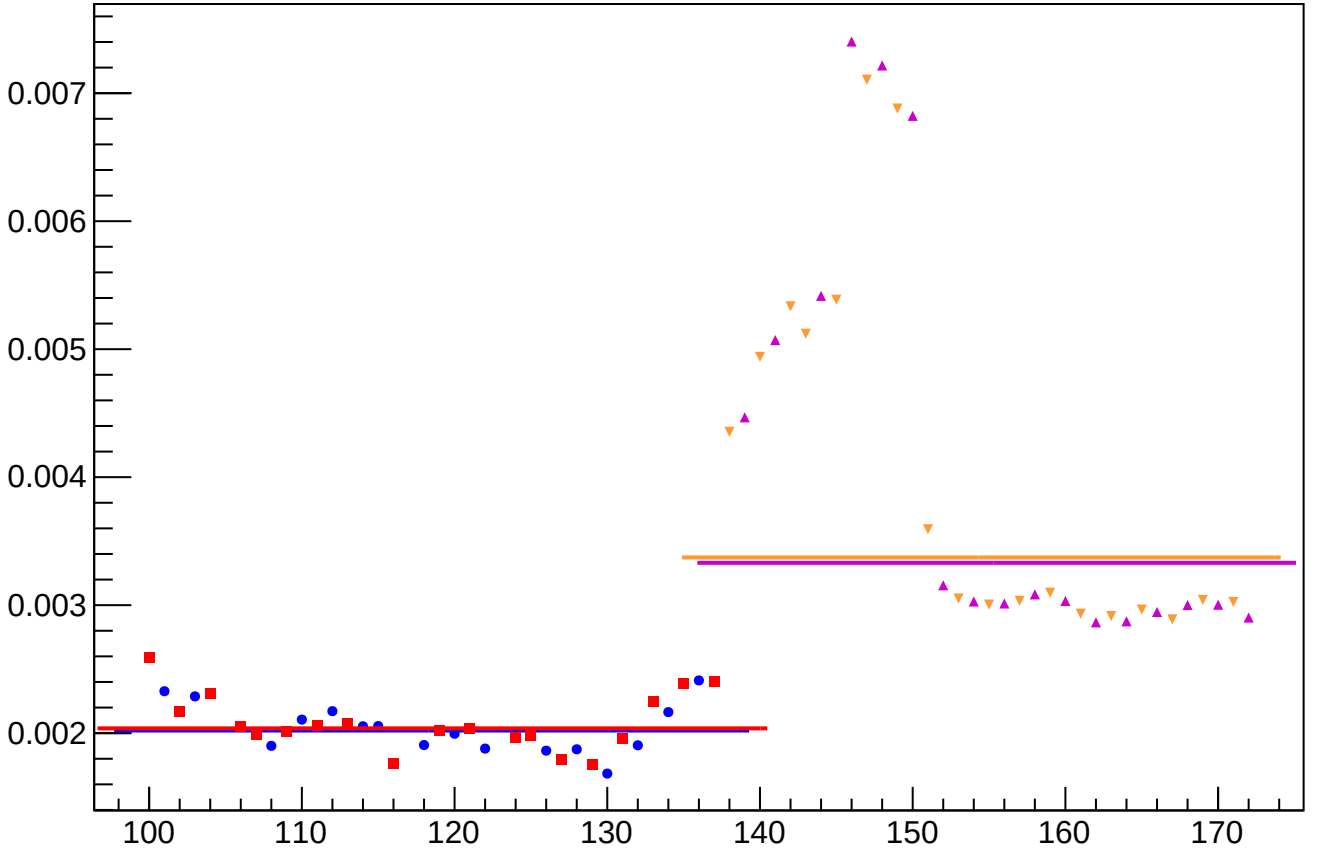
In: 0.005+/-0.000 χ^2/NDF:4420635.3/32

Out: 0.005+/-0.000 χ^2/NDF:4193123.9/36

All: 0.005+/-0.000 χ^2/NDF: 8615856.2/69


yield_bpm0i01aY_mean vs Slug, Sign Corrected
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
100
110
120
130
140
150
160
170
Right In: 1.431+/-0.000 χ²/NDF: 189180734956.1/15
Left Out: 2.332+/-0.000 χ²/NDF:216104221685.0/17
Right Out: 1.437+/-0.000 χ²/NDF: 182019221175.5/18
Left In: 2.370+/-0.000 χ²/NDF:210551882316.9/16
Left: 2.351+/-0.000 χ²/NDF: 427446001287.3/34
Right: 1.434+/-0.000 χ²/NDF: 371226177704.8/34
In: 1.809+/-0.000 χ²/NDF:976743968771.7/32
Out: 1.797+/-0.000 χ²/NDF:923898778837.5/36
All: 1.803+/-0.000 χ²/NDF: 1900849979071.

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:1704429.4/17

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: 3676748.1/34

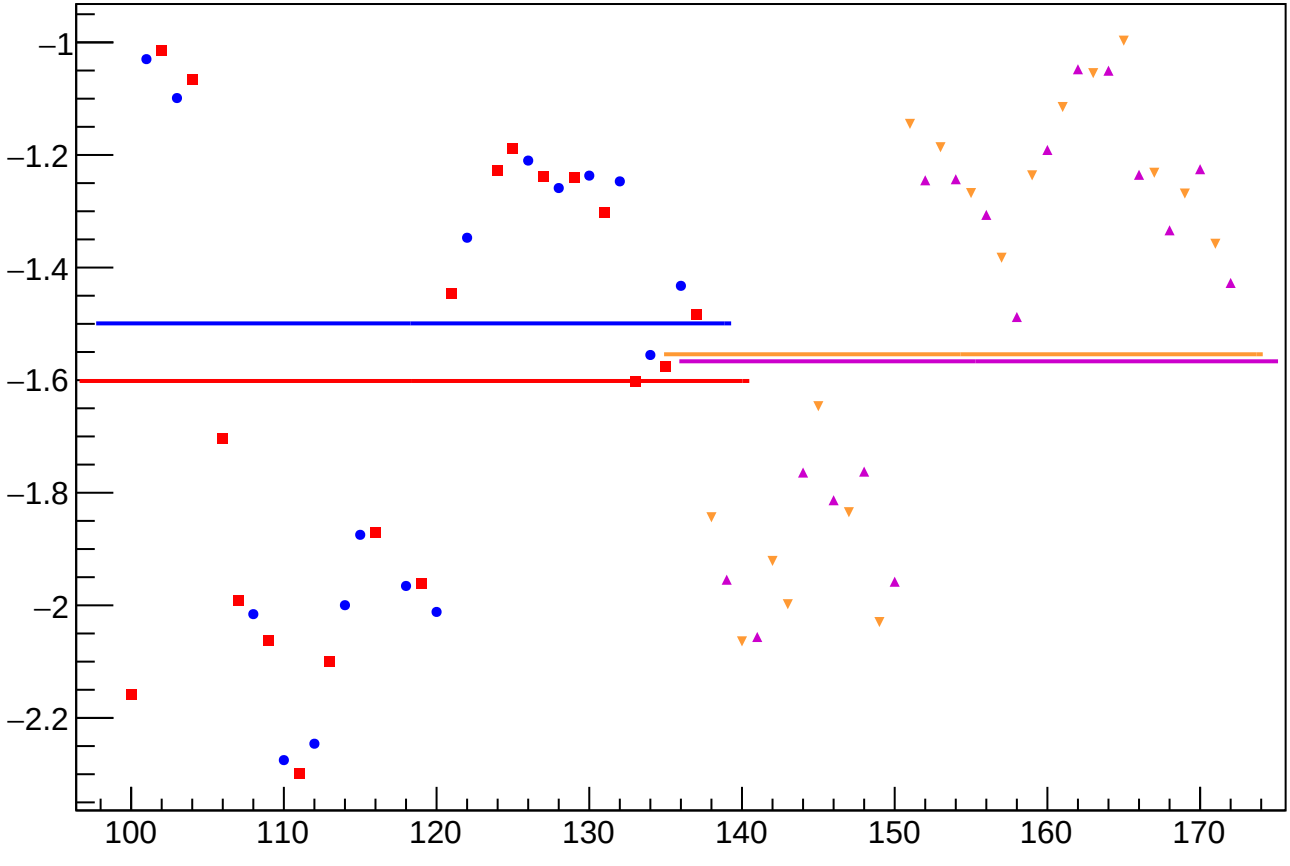
Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

In: 0.003+/-0.000 χ^2/NDF:4372264.4/32

Out: 0.003+/-0.000 χ^2/NDF:4157896.1/36

All: 0.003+/-0.000 χ^2/NDF: 8532059.5/69

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.554+/-0.000 χ^2/NDF:40978108159.8/17

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: -1.560+/-0.000 χ^2/NDF: 72005096864.6/34

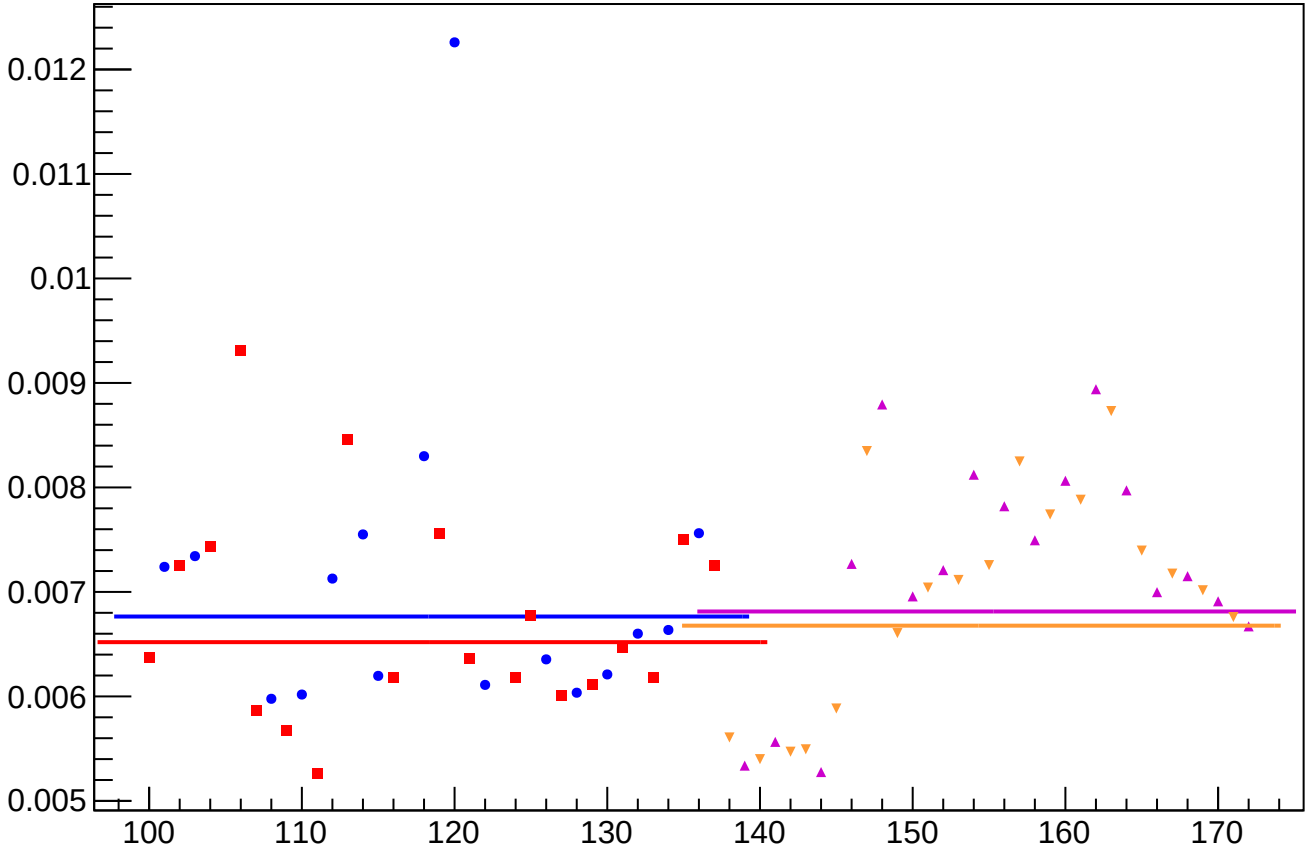
Right: -1.554+/-0.000 χ^2/NDF: 52047267484.5/34

In: -1.544+/-0.000 χ^2/NDF:54360461485.4/32

Out: -1.571+/-0.000 χ^2/NDF:69538907741.3/36

All: -1.558+/-0.000 χ^2/NDF: 124060241557.0

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 238566.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:598785.5/17

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:679462.5/16

Left: 0.007+/-0.000 χ^2/NDF: 1283515.7/34

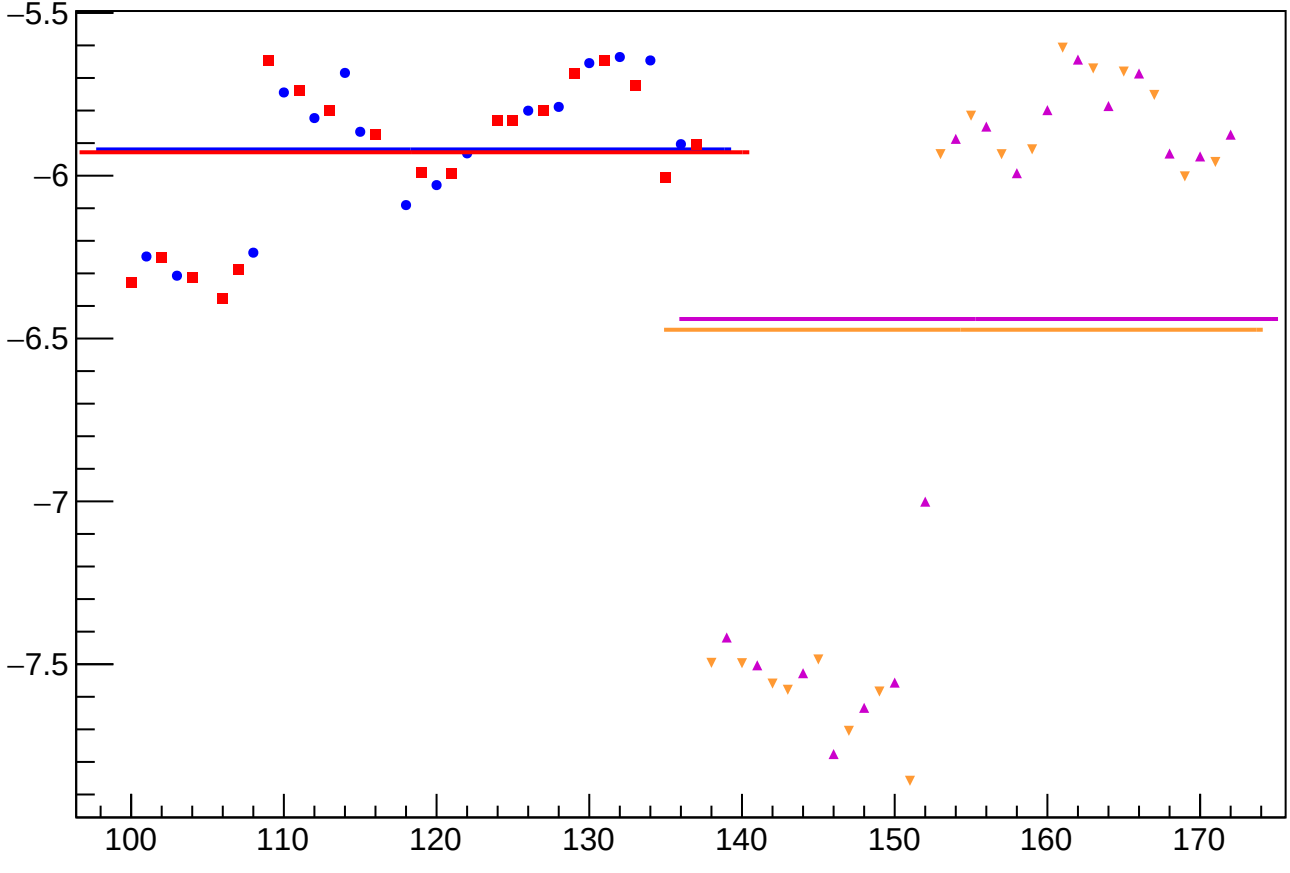
Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.007+/-0.000 χ^2/NDF:918465.3/32

Out: 0.007+/-0.000 χ^2/NDF:849428.8/36

All: 0.007+/-0.000 χ^2/NDF: 1781337.7/69

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.919+/-0.000 χ^2/NDF: 11742457053.3/15

Left Out: -6.473+/-0.000 χ^2/NDF:100360160756.2/17

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: -6.457+/-0.000 χ^2/NDF: 183573829493.9/34

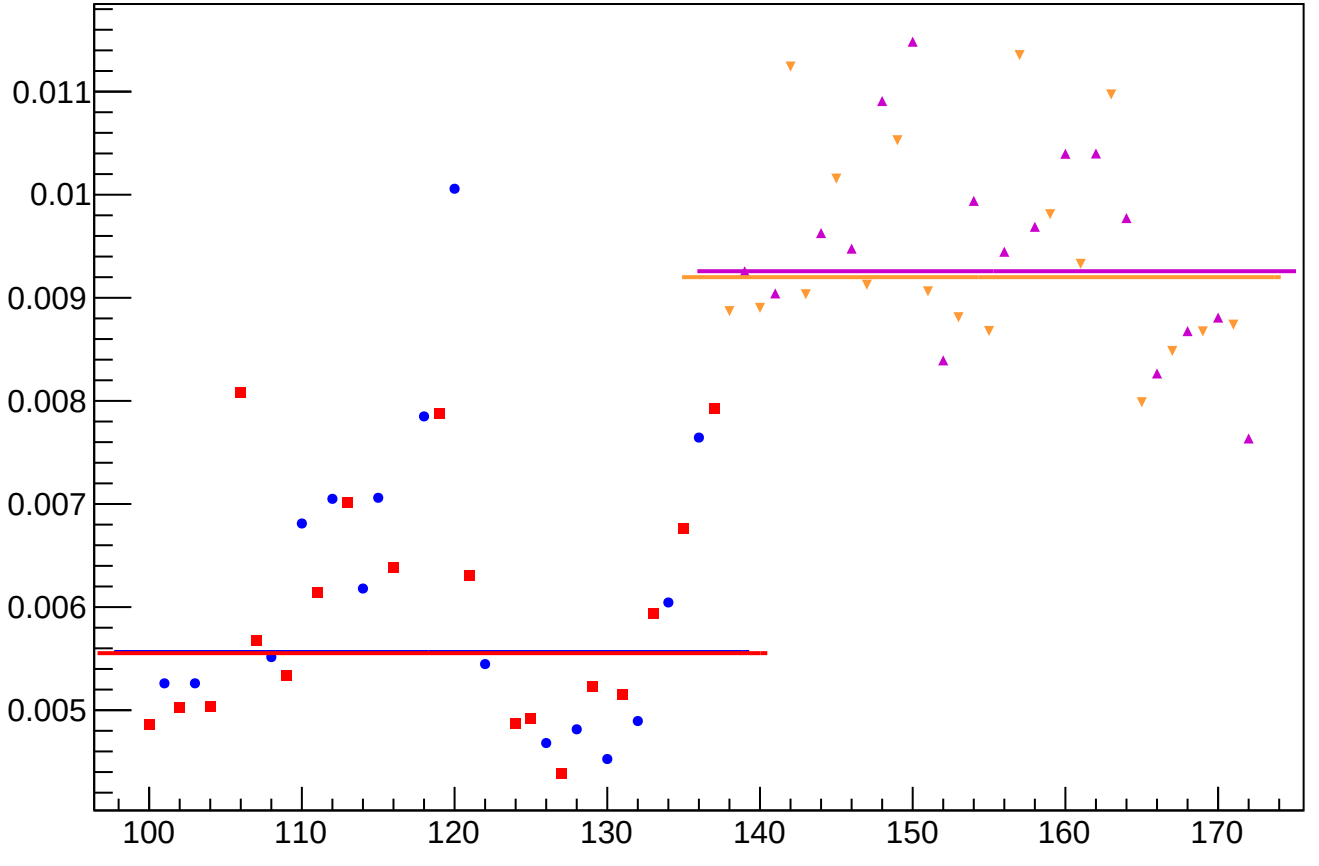
Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.128+/-0.000 χ^2/NDF:116430884520.7/32

Out: -6.141+/-0.000 χ^2/NDF:137425801009.1/36

All: -6.135+/-0.000 χ^2/NDF: 253883655030.6

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:200363.6/17

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: 445559.0/34

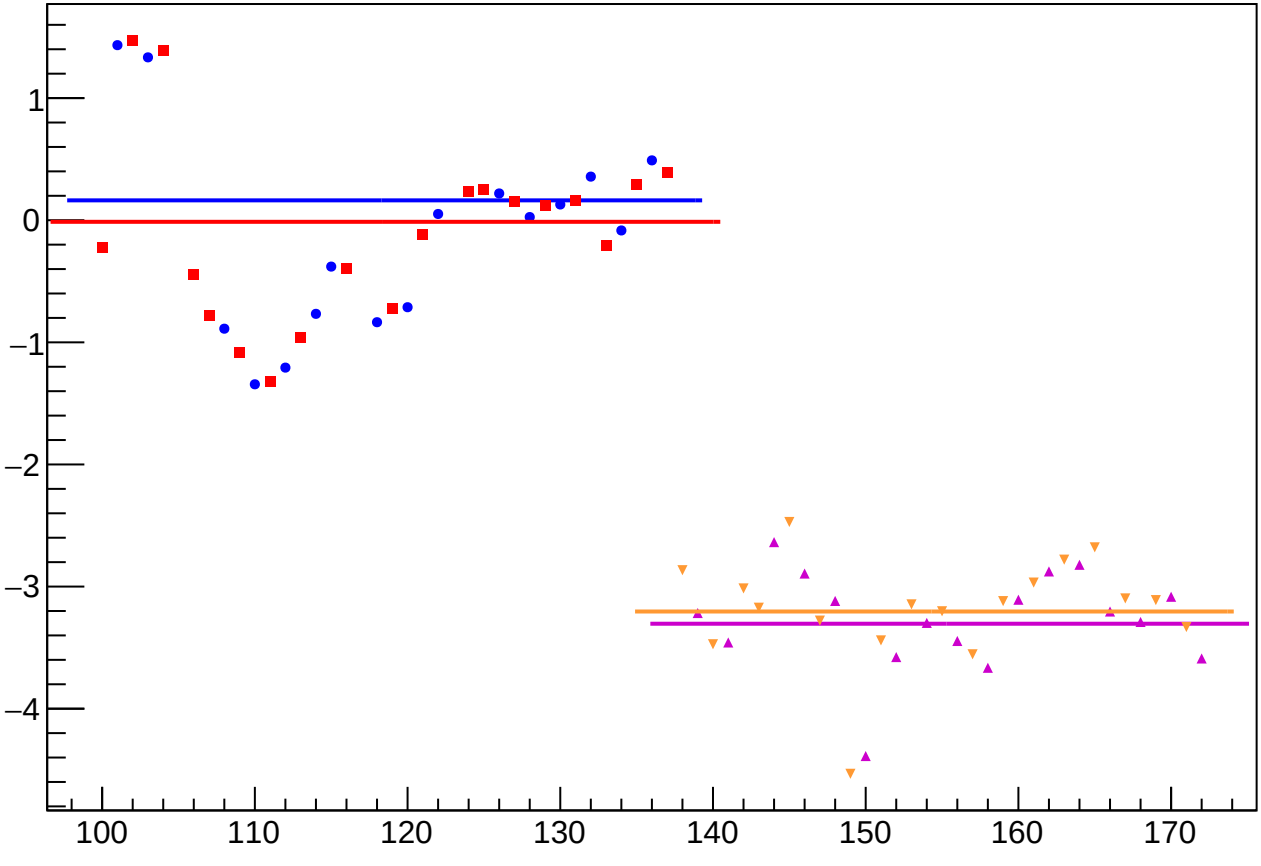
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.007+/-0.000 χ^2/NDF:2909130.2/32

Out: 0.007+/-0.000 χ^2/NDF:2753021.4/36

All: 0.007+/-0.000 χ^2/NDF: 5663750.7/69

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.204+/-0.000 χ^2/NDF:8183266699.8/17

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: -3.254+/-0.000 χ^2/NDF: 15137017157.2/34

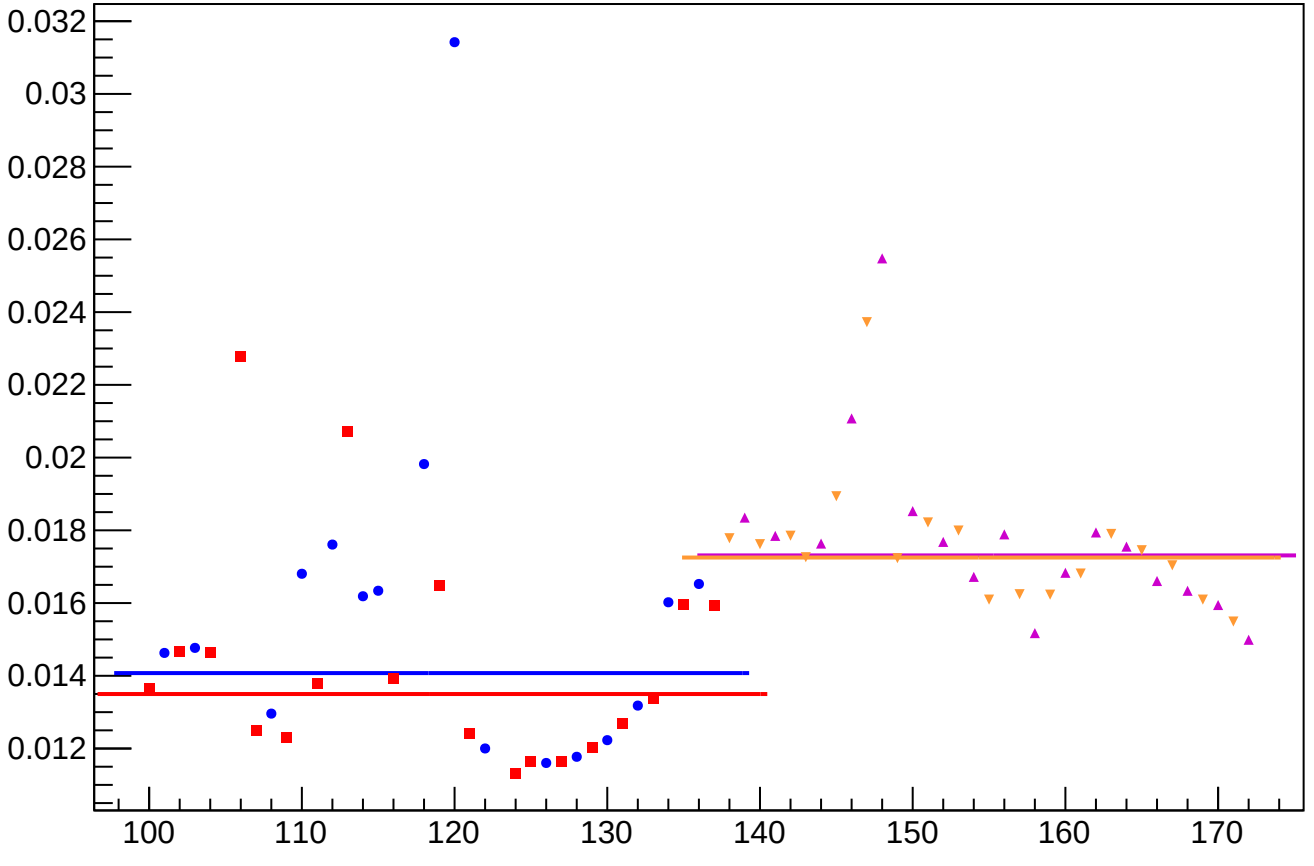
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -1.855+/-0.000 χ^2/NDF:247380329894.4/32

Out: -1.769+/-0.000 χ^2/NDF:239041831154.9/36

All: -1.810+/-0.000 χ^2/NDF: 486715600199.5

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:187195.7/17

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: 507308.4/34

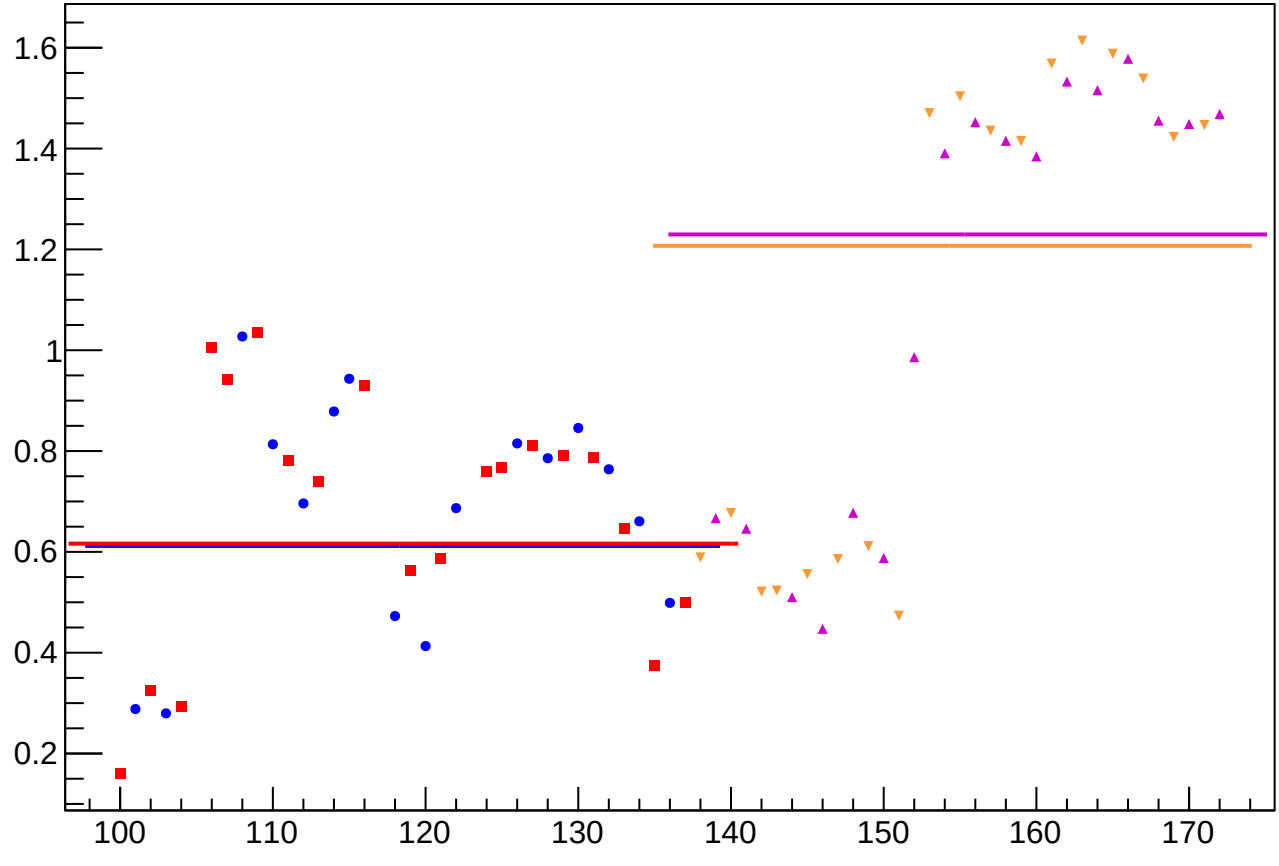
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1173429.0/32

Out: 0.016+/-0.000 χ^2/NDF:1078538.3/36

All: 0.016+/-0.000 χ^2/NDF: 2264252.6/69

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.207+/-0.000 χ^2/NDF:42646470013.2/17

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: 1.219+/-0.000 χ^2/NDF: 78476399993.2/34

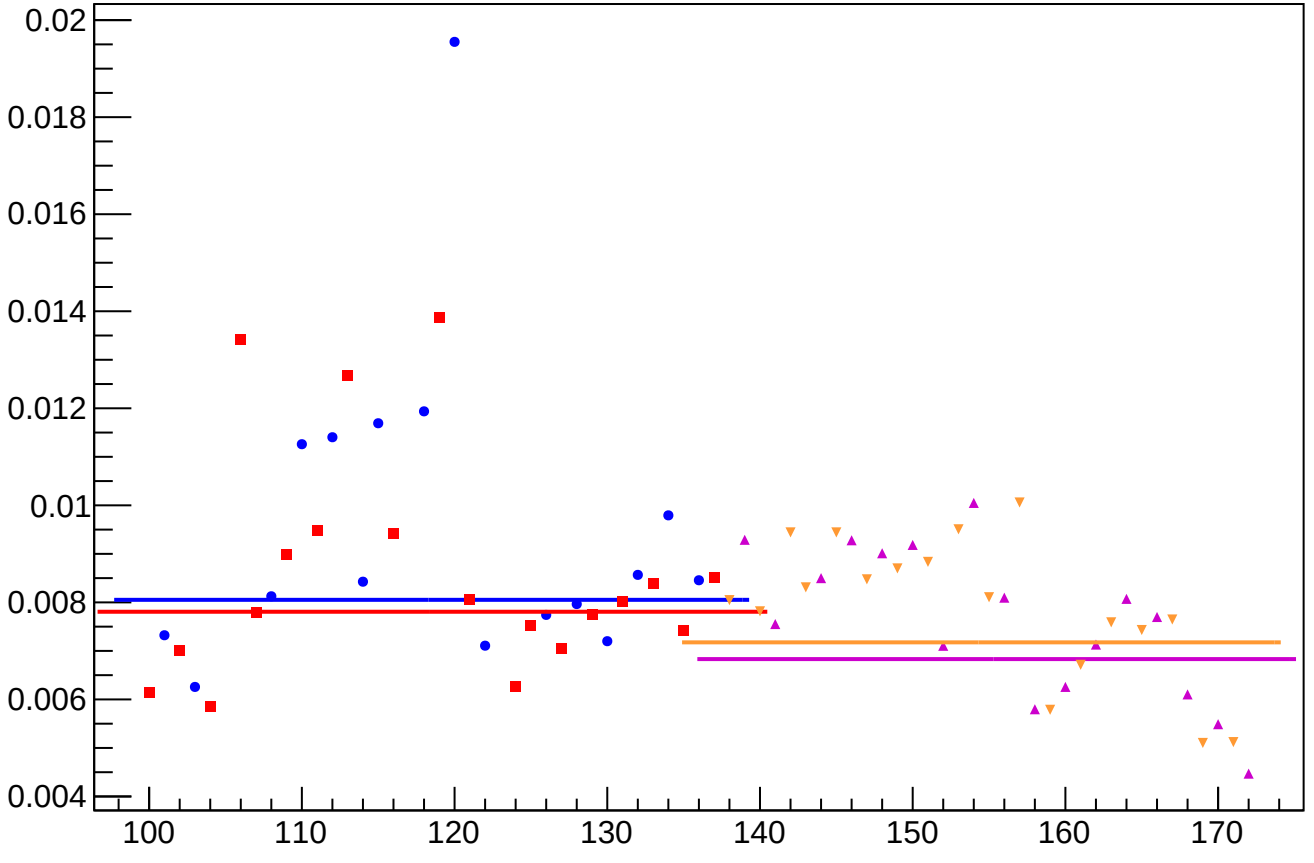
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 1.065+/-0.000 χ^2/NDF:67843149305.3/32

Out: 1.025+/-0.000 χ^2/NDF:74495678210.4/36

All: 1.045+/-0.000 χ^2/NDF: 142605699751.3

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:1171806.5/17

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: 2564084.8/34

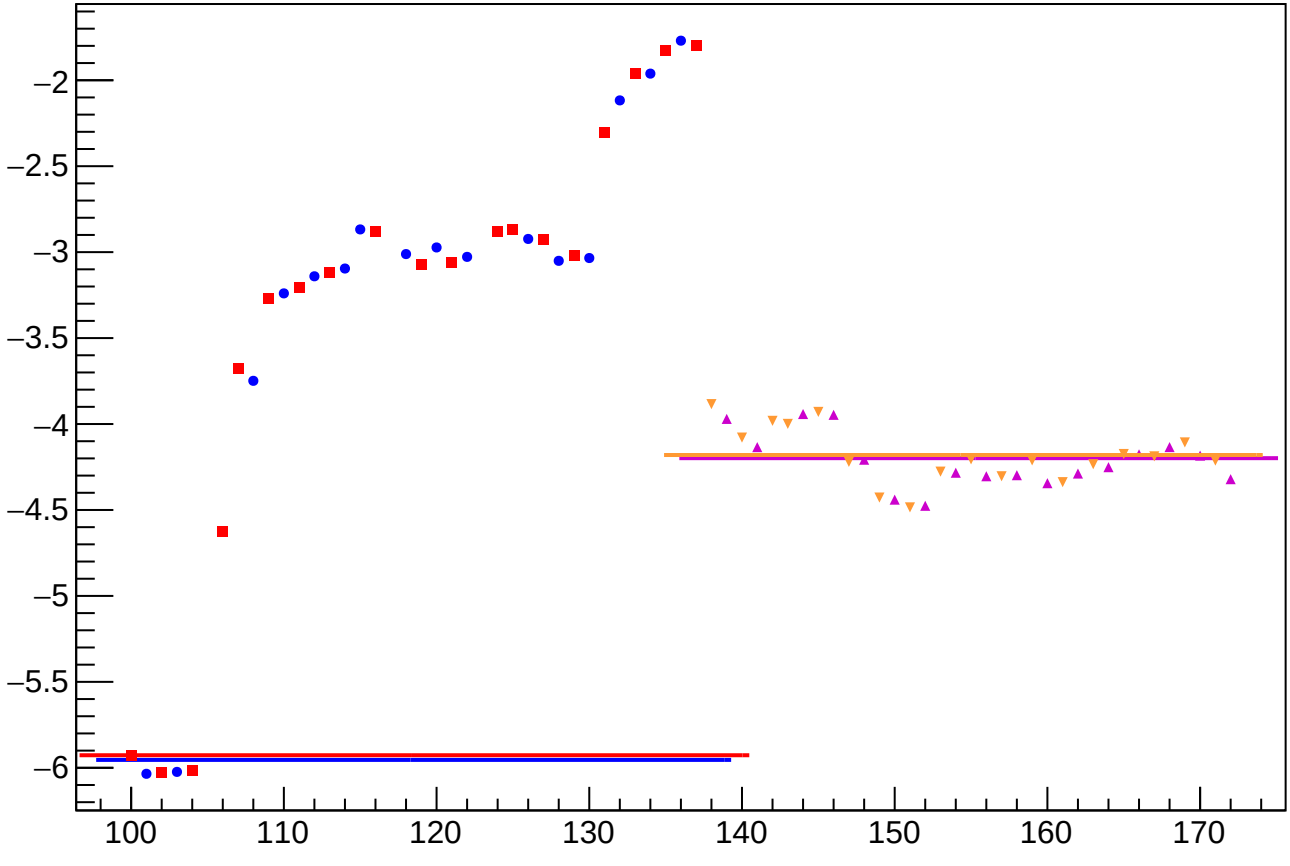
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.007+/-0.000 χ^2/NDF:2167716.7/32

Out: 0.007+/-0.000 χ^2/NDF:1816972.6/36

All: 0.007+/-0.000 χ^2/NDF: 4000423.1/69

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.180+/-0.000 χ^2/NDF:53175904.2/17

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: -4.190+/-0.000 χ^2/NDF: 94980932.9/34

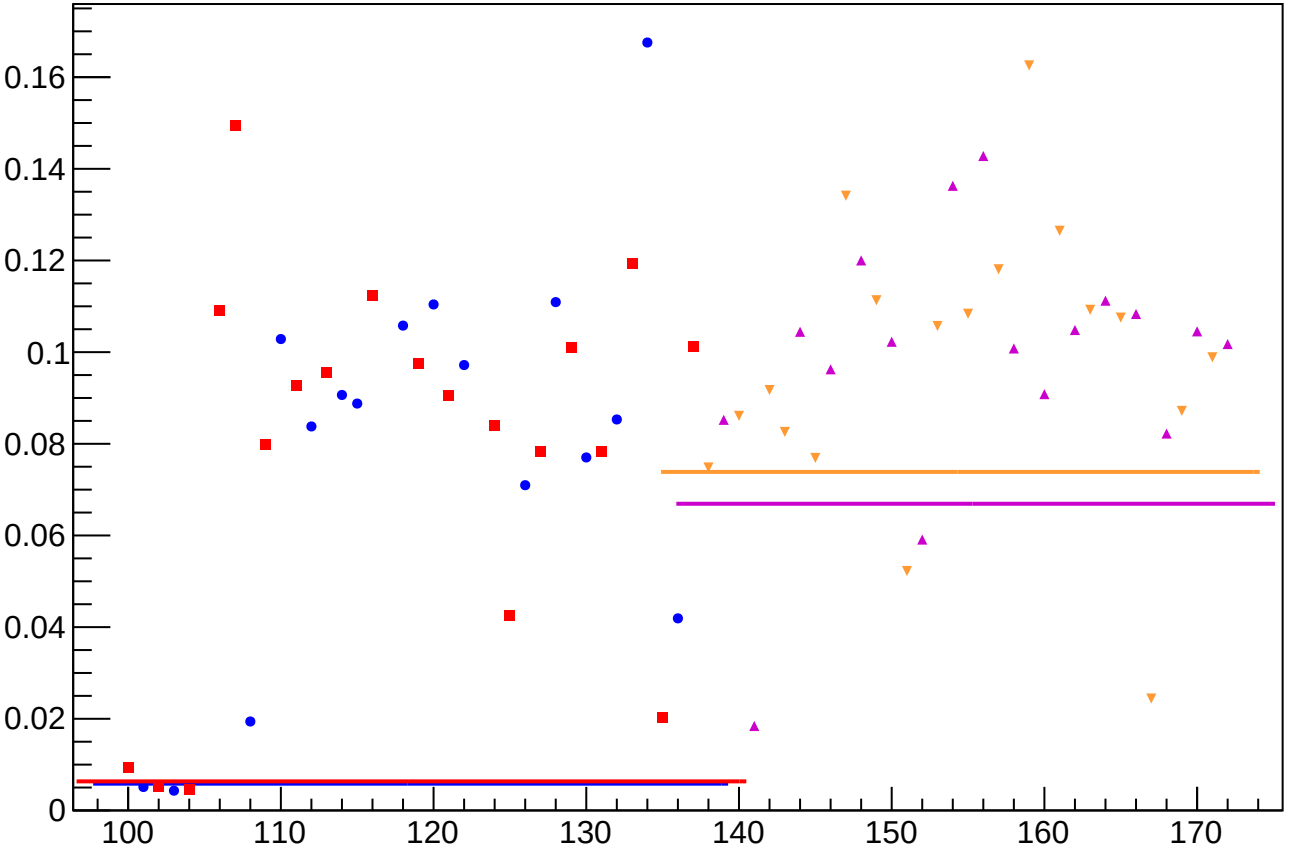
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.893+/-0.000 χ^2/NDF:18627359278.5/32

Out: -5.856+/-0.000 χ^2/NDF:19217113916.7/36

All: -5.877+/-0.000 χ^2/NDF: 37878392557.0/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.074+/-0.000 χ^2/NDF:4354288.2/17

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: 0.070+/-0.000 χ^2/NDF: 10507540.5/34

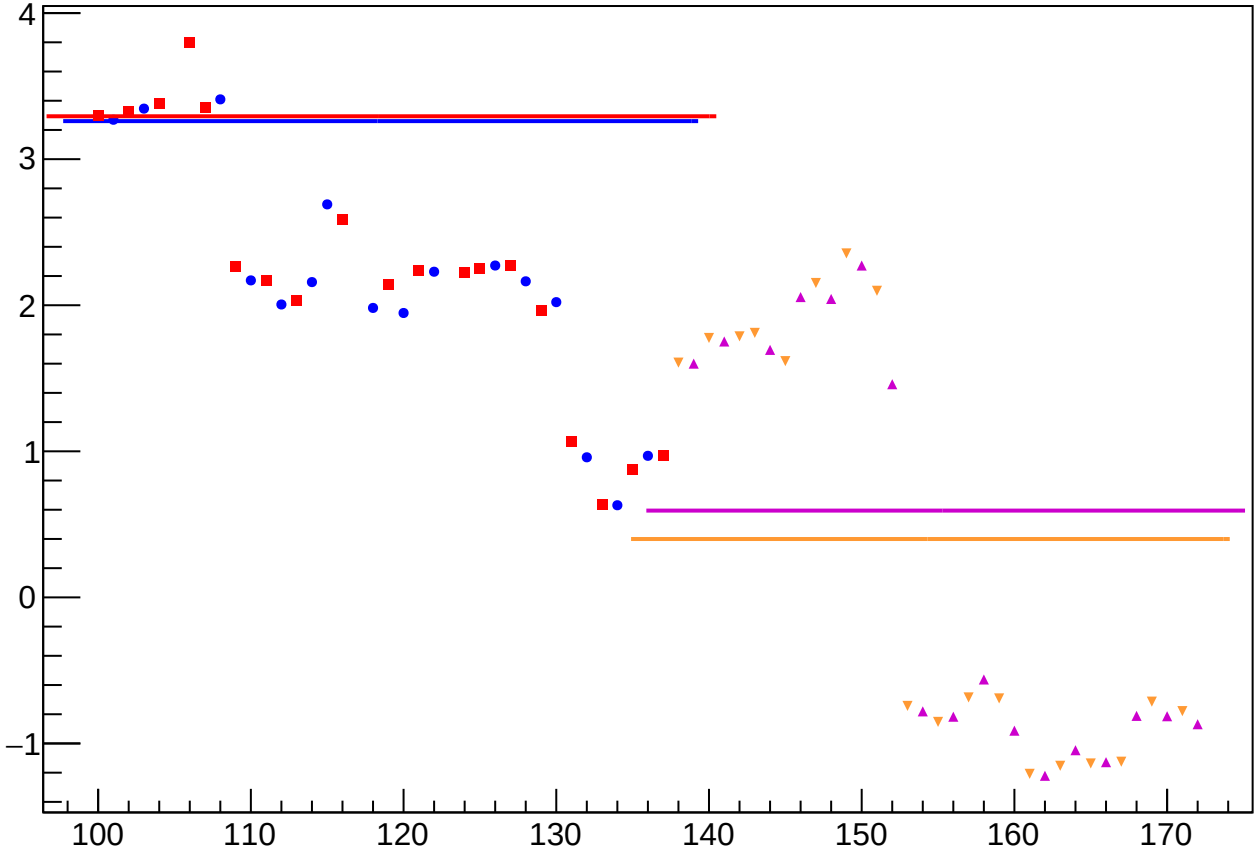
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.008+/-0.000 χ^2/NDF:28047622.3/32

Out: 0.009+/-0.000 χ^2/NDF:28771804.6/36

All: 0.008+/-0.000 χ^2/NDF: 56881491.4/69

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 0.400+/-0.000 χ^2/NDF:3055352536.0/17

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: 0.491+/-0.000 χ^2/NDF: 5427607595.3/34

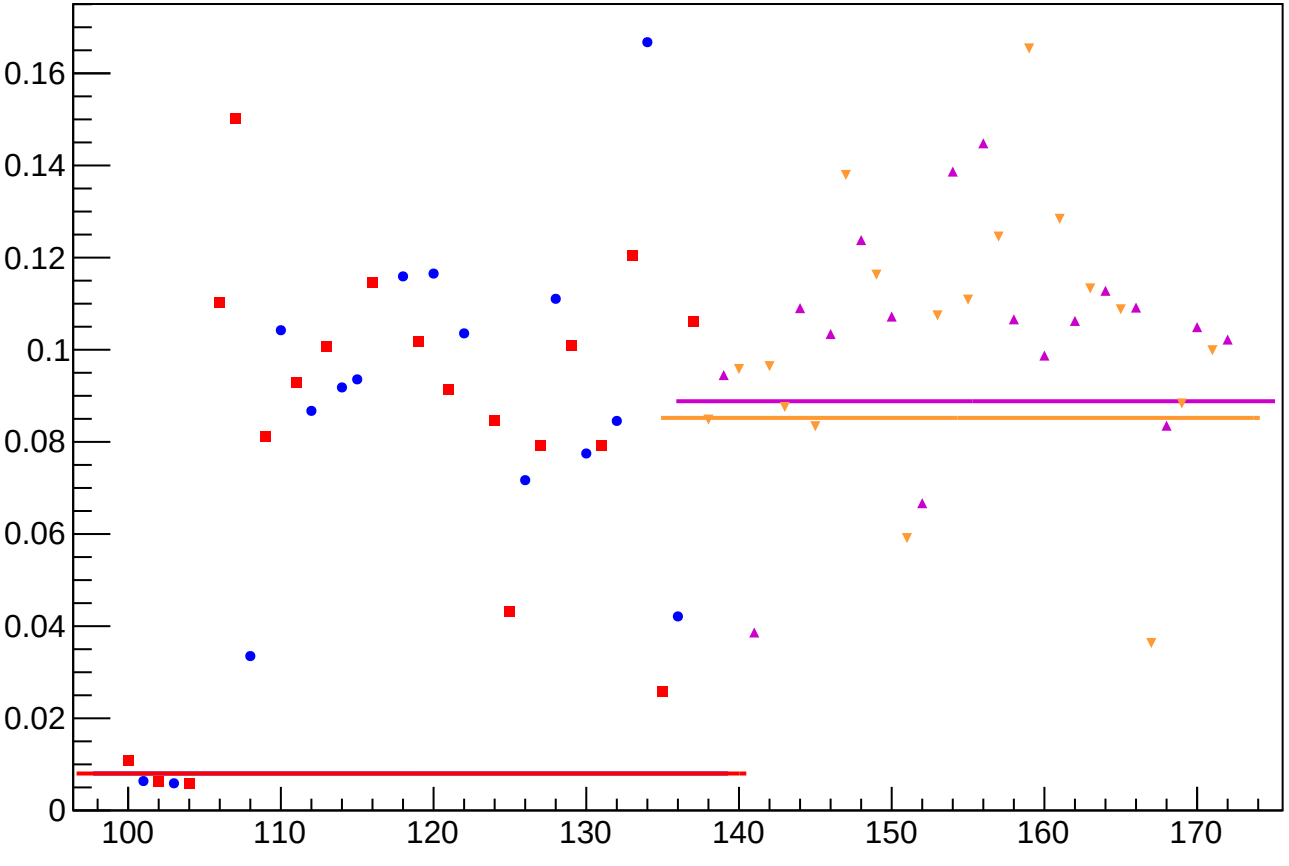
Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.152+/-0.000 χ^2/NDF:14337580244.1/32

Out: 3.154+/-0.000 χ^2/NDF:18101486878.5/36

All: 3.153+/-0.000 χ^2/NDF: 32439152880.0/6

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8415681.1/15

Left Out: 0.085+/-0.000 χ^2/NDF:2786773.4/17

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: 5121110.3/34

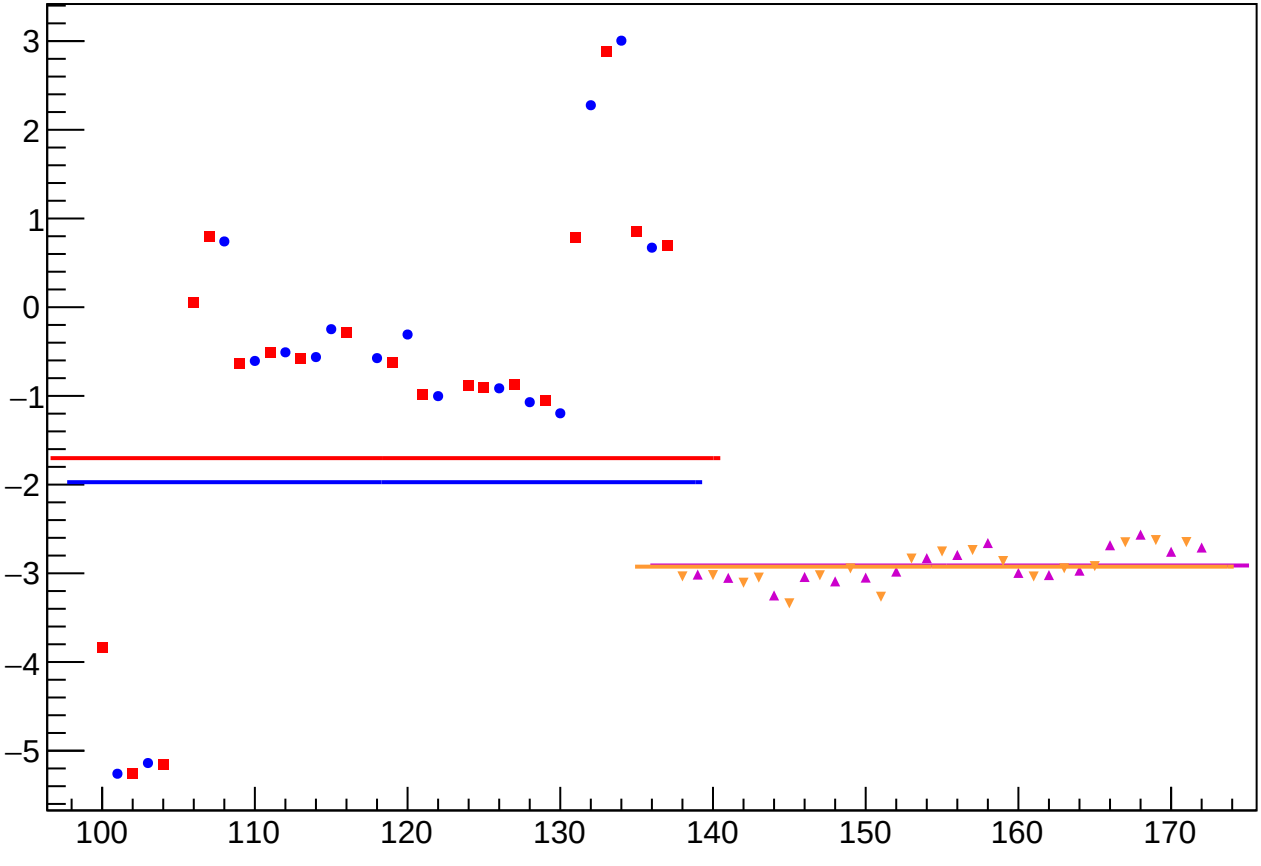
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.011+/-0.000 χ^2/NDF:27229465.1/32

Out: 0.012+/-0.000 χ^2/NDF:28120253.4/36

All: 0.012+/-0.000 χ^2/NDF: 55355386.4/69

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -2.925+/-0.000 χ^2/NDF:8563463761.5/17

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: -2.918+/-0.000 χ^2/NDF: 15756508364.2/34

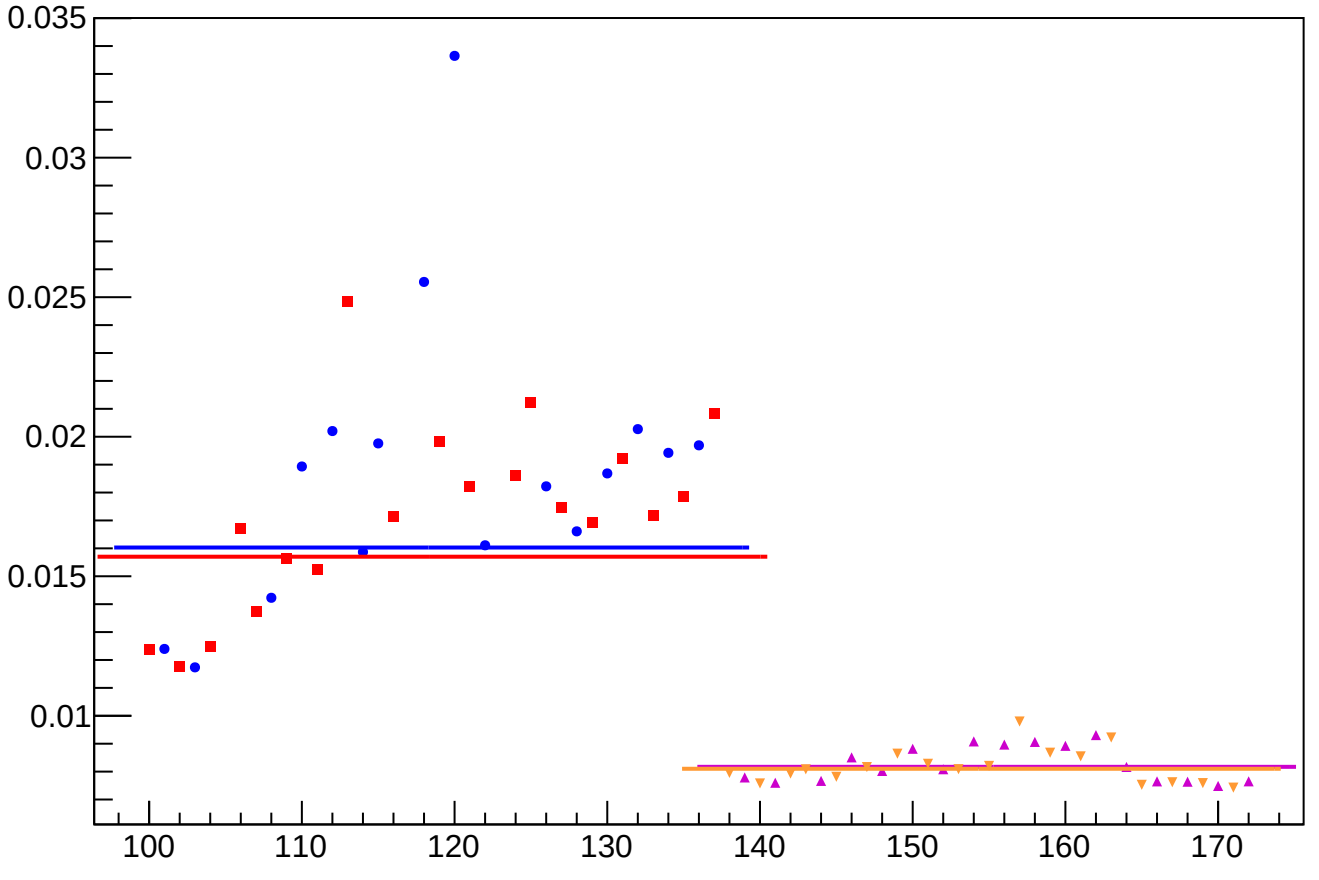
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.816+/-0.000 χ^2/NDF:187089856206.6/32

Out: -2.788+/-0.000 χ^2/NDF:211058475926.6/36

All: -2.802+/-0.000 χ^2/NDF: 398234740672.3

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:131335.9/17

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: 278011.6/34

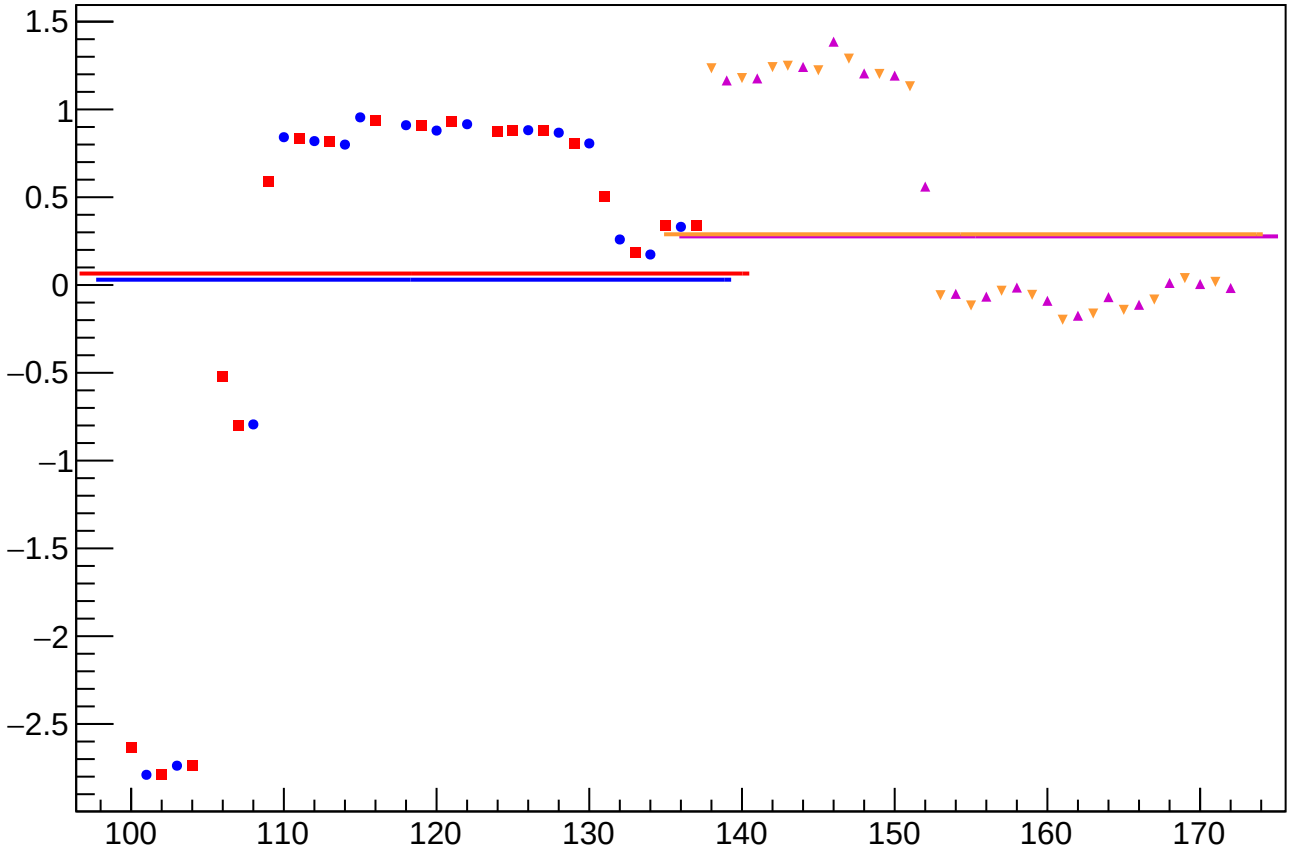
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.009+/-0.000 χ^2/NDF:3393734.0/32

Out: 0.009+/-0.000 χ^2/NDF:3286111.8/36

All: 0.009+/-0.000 χ^2/NDF: 6679968.1/69

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.289+/-0.000 χ^2/NDF:97050473250.7/17

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: 0.283+/-0.000 χ^2/NDF: 179084149494.2/34

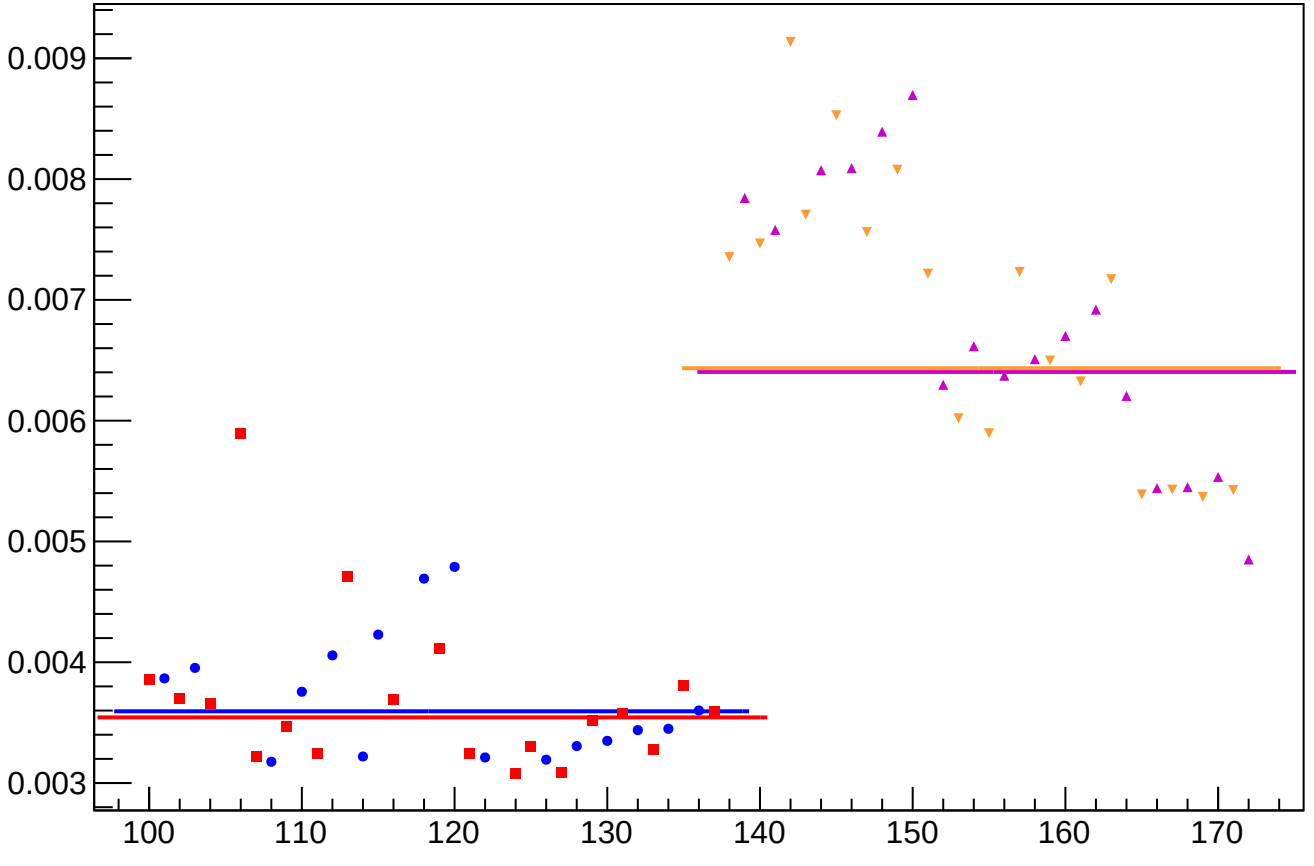
Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

In: 0.118+/-0.000 χ^2/NDF:944974804116.8/32

Out: 0.141+/-0.000 χ^2/NDF:1042029478221.1/36

All: 0.130+/-0.000 χ^2/NDF: 1987227271388.

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:585860.9/17

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: 1272419.1/34

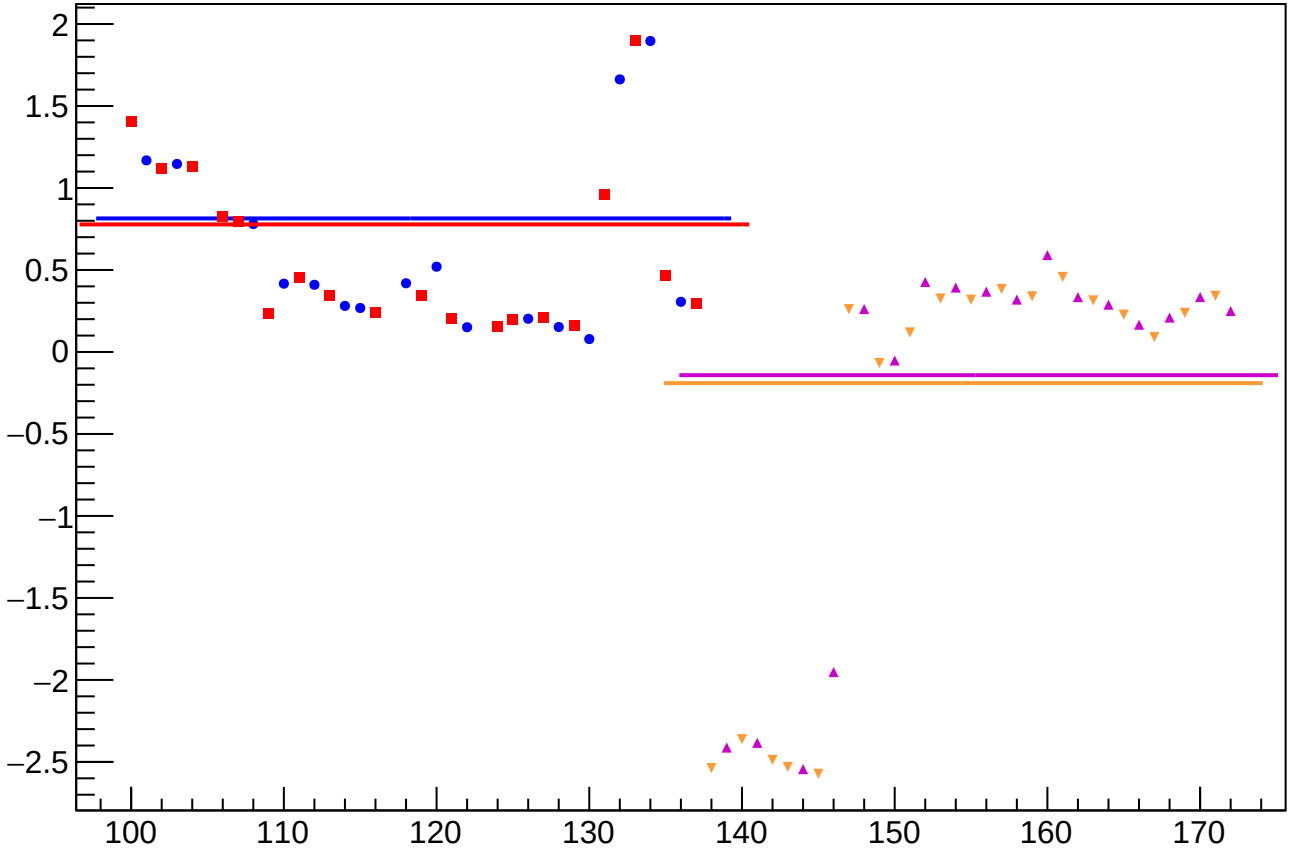
Right: 0.004+/-0.000 χ^2/NDF: 406509.3/34

In: 0.005+/-0.000 χ^2/NDF:3794798.7/32

Out: 0.005+/-0.000 χ^2/NDF:3987638.5/36

All: 0.005+/-0.000 χ^2/NDF: 7786324.2/69

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.190+/-0.000 χ^2/NDF:373384293040.9/17

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: -0.166+/-0.000 χ^2/NDF: 711509789053.7/34

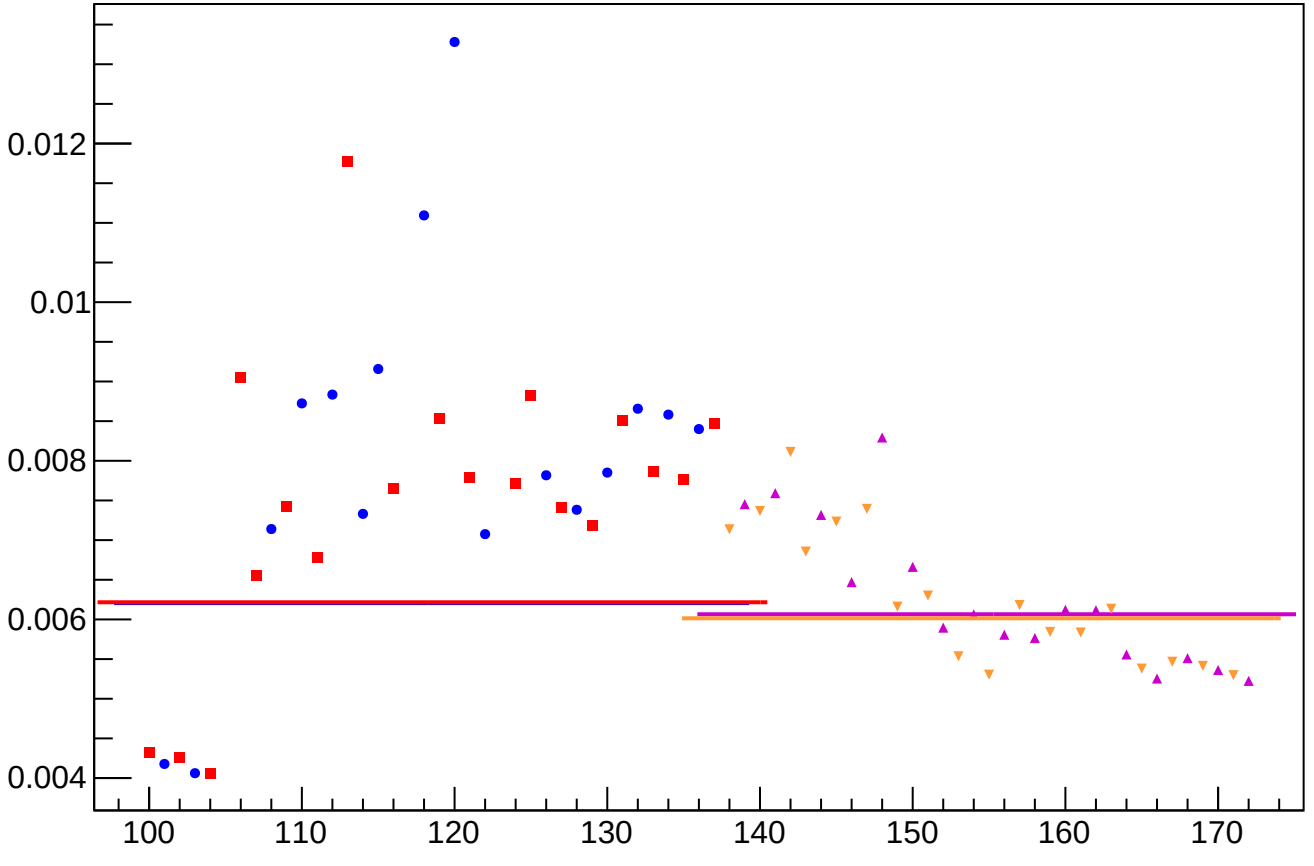
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.141+/-0.000 χ^2/NDF:465976256457.6/32

Out: 0.107+/-0.000 χ^2/NDF:508995514153.1/36

All: 0.124+/-0.000 χ^2/NDF: 975269936565.6

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1423886.1/15

Left Out: 0.006+/-0.000 χ^2/NDF:366400.1/17

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: 780382.4/34

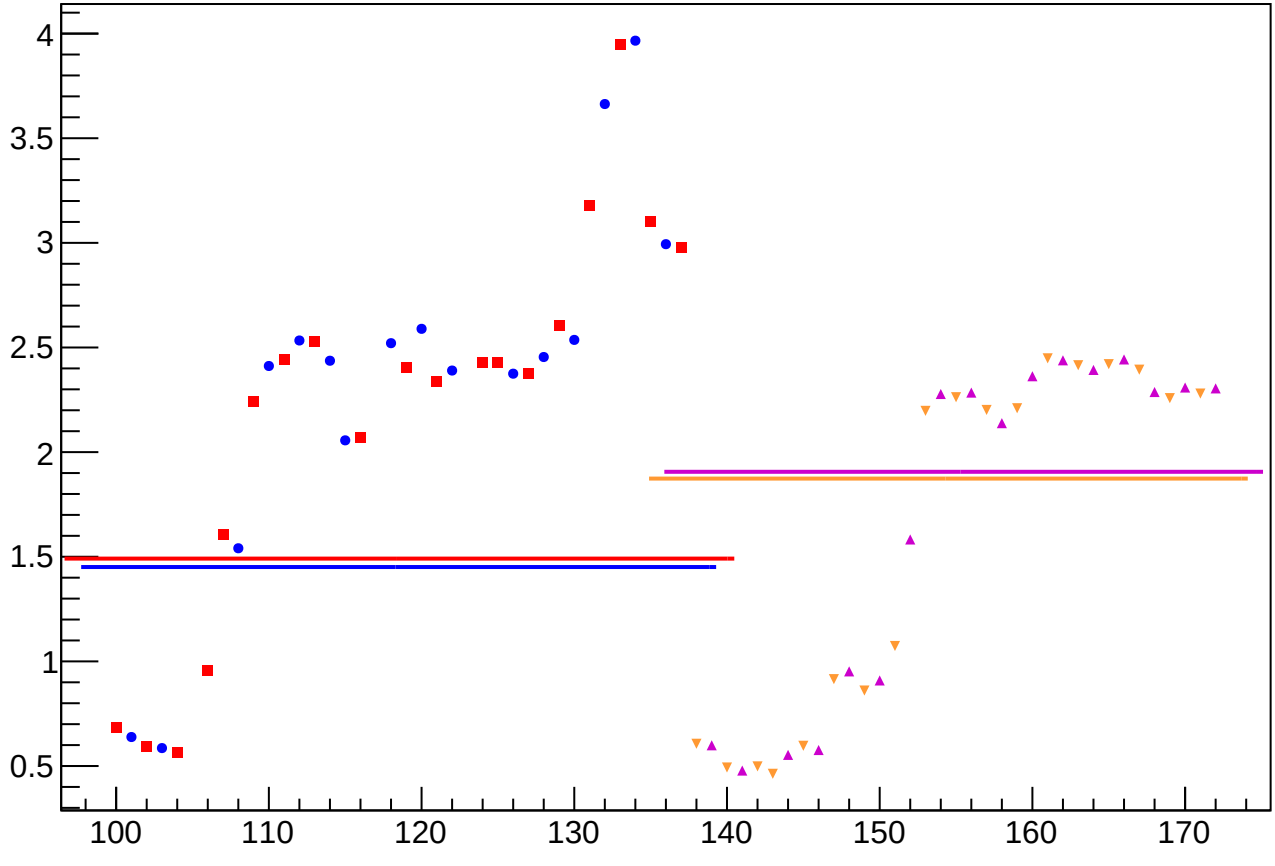
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1840998.1/32

Out: 0.006+/-0.000 χ^2/NDF:1536326.6/36

All: 0.006+/-0.000 χ^2/NDF: 3377791.9/69

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.874+/-0.000 χ^2/NDF:199346132390.3/17

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: 1.890+/-0.000 χ^2/NDF: 376381525204.9/34

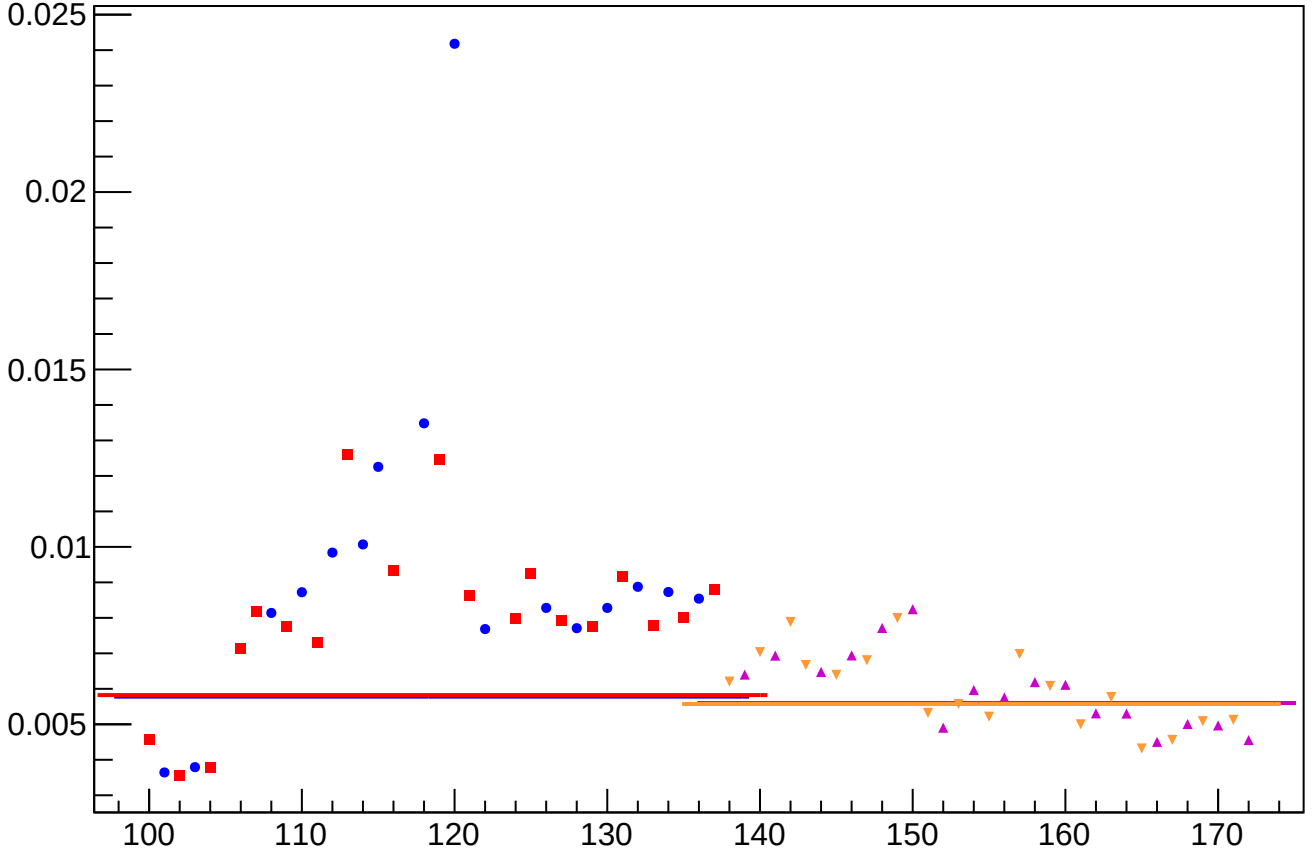
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.774+/-0.000 χ^2/NDF:368521282612.3/32

Out: 1.758+/-0.000 χ^2/NDF:402786875108.0/36

All: 1.766+/-0.000 χ^2/NDF: 771374147109.2

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2213885.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:623516.9/17

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: 1269288.2/34

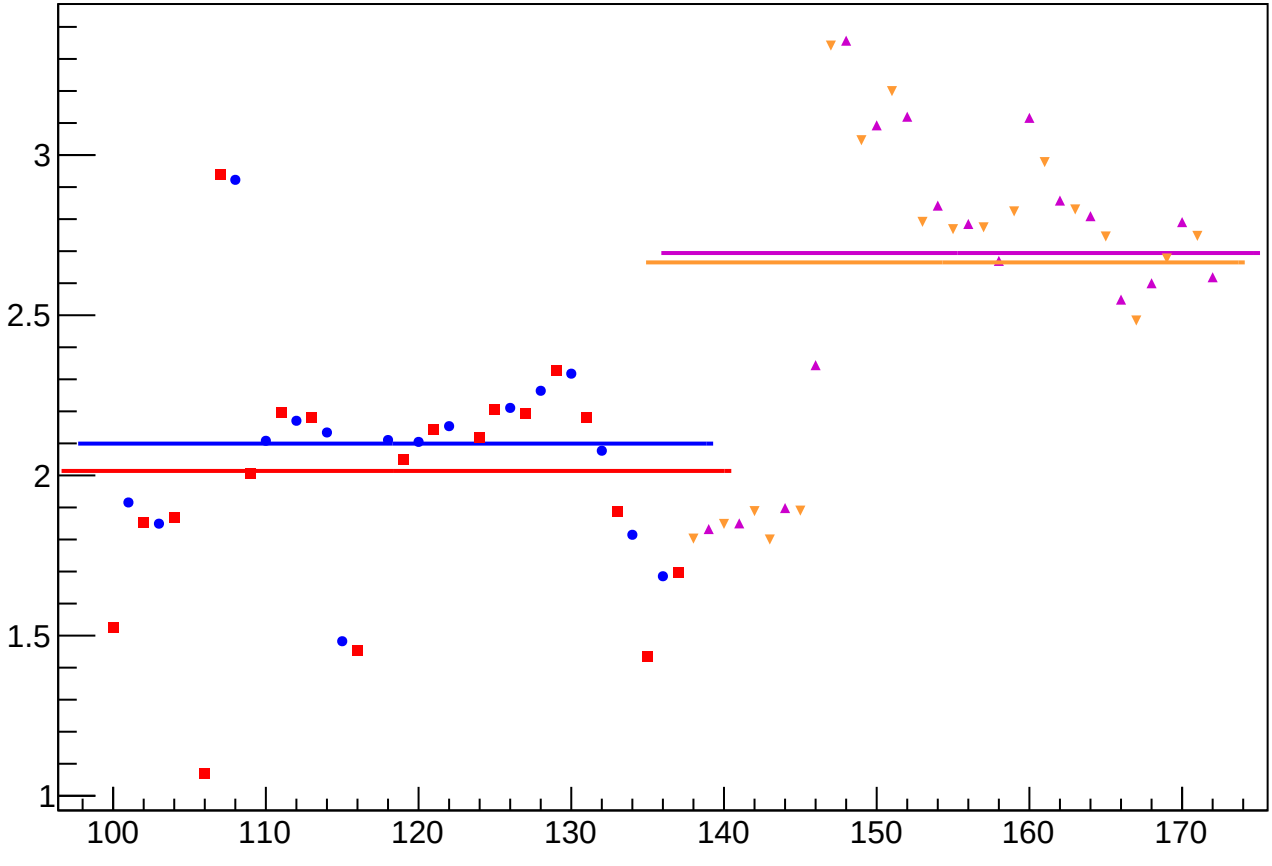
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2866308.2/32

Out: 0.006+/-0.000 χ^2/NDF:2593493.4/36

All: 0.006+/-0.000 χ^2/NDF: 5459810.1/69

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.665+/-0.000 χ^2/NDF:43532575070.6/17

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: 2.679+/-0.000 χ^2/NDF: 80482904357.8/34

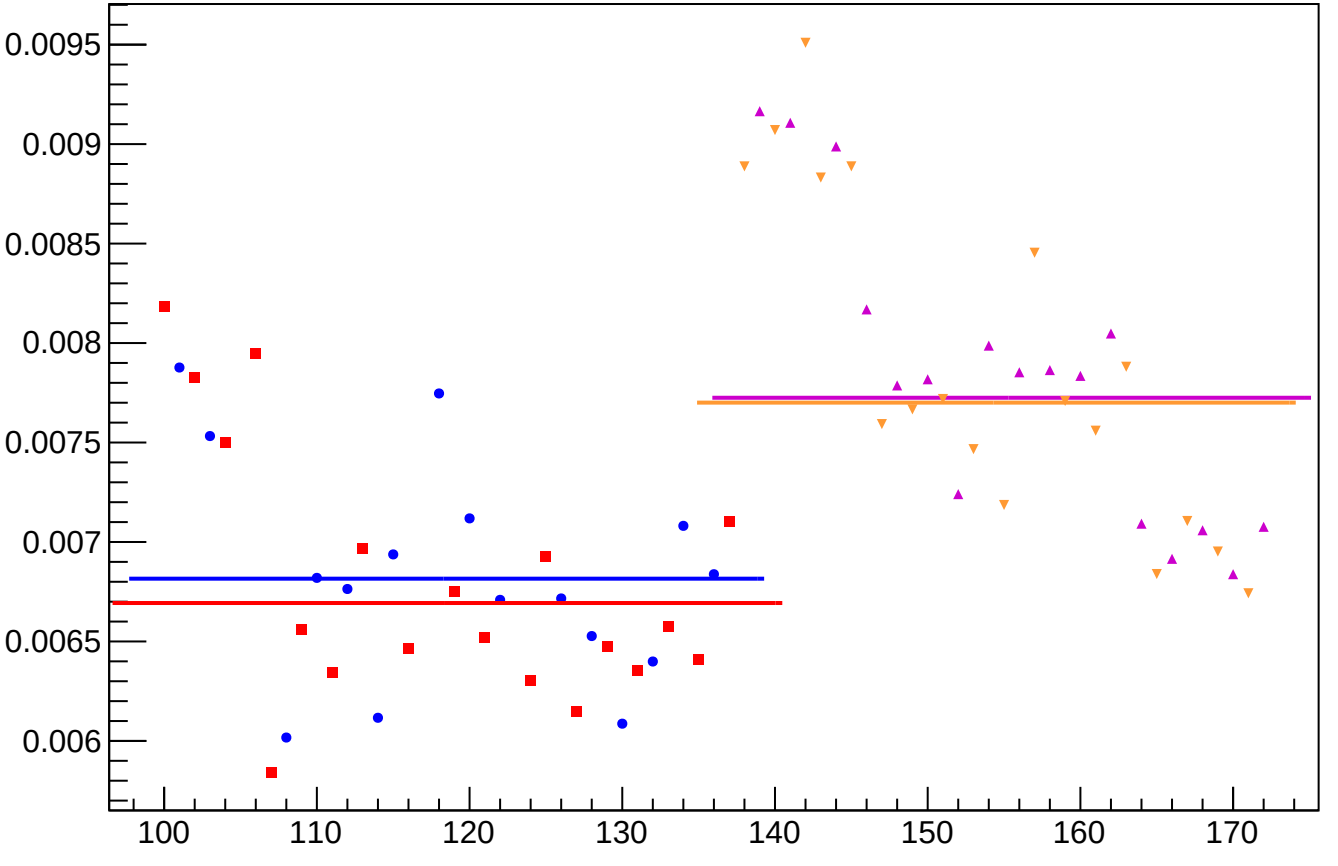
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.457+/-0.000 χ^2/NDF:82021925278.8/32

Out: 2.394+/-0.000 χ^2/NDF:102602211479.8/36

All: 2.425+/-0.000 χ^2/NDF: 185355175334.2

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:244031.8/17

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:208142.2/16

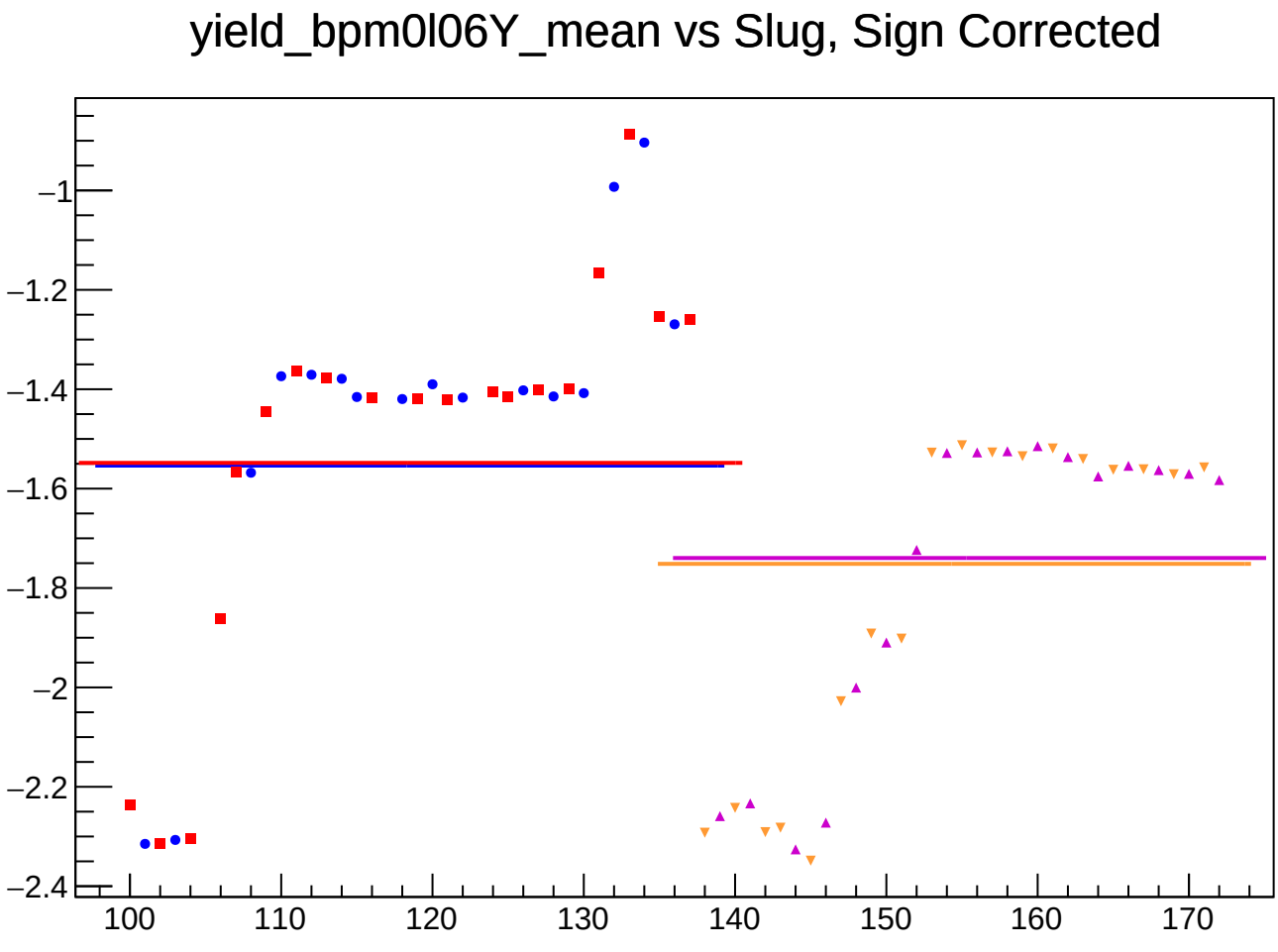
Left: 0.008+/-0.000 χ^2/NDF: 452306.6/34

Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

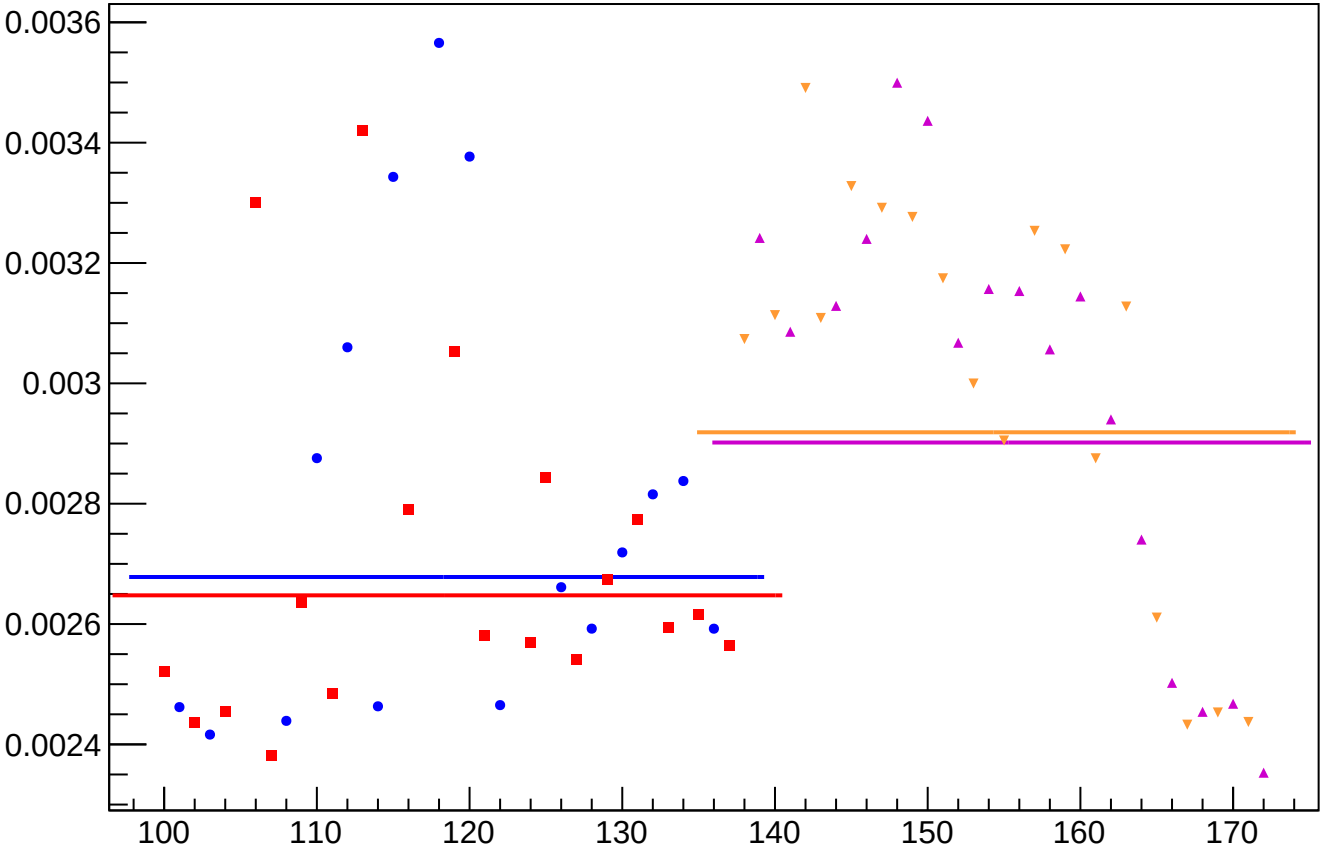
In: 0.007+/-0.000 χ^2/NDF:440947.3/32

Out: 0.007+/-0.000 χ^2/NDF:520887.3/36

All: 0.007+/-0.000 χ^2/NDF: 964247.2/69


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: -1.751+/-0.000 χ²/NDF:142742164504.5/17
Right Out: -1.548+/-0.000 χ²/NDF: 174743666302.8/18
Left In: -1.740+/-0.000 χ²/NDF:130344658443.7/16
Left: -1.745+/-0.000 χ²/NDF: 273192552128.8/34
Right: -1.551+/-0.000 χ²/NDF: 349934542439.1/34
In: -1.669+/-0.000 χ²/NDF:325645254390.6/32
Out: -1.671+/-0.000 χ²/NDF:342462972524.4/36
All: -1.670+/-0.000 χ²/NDF: 668112351104.3

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:344131.2/17

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: 742587.0/34

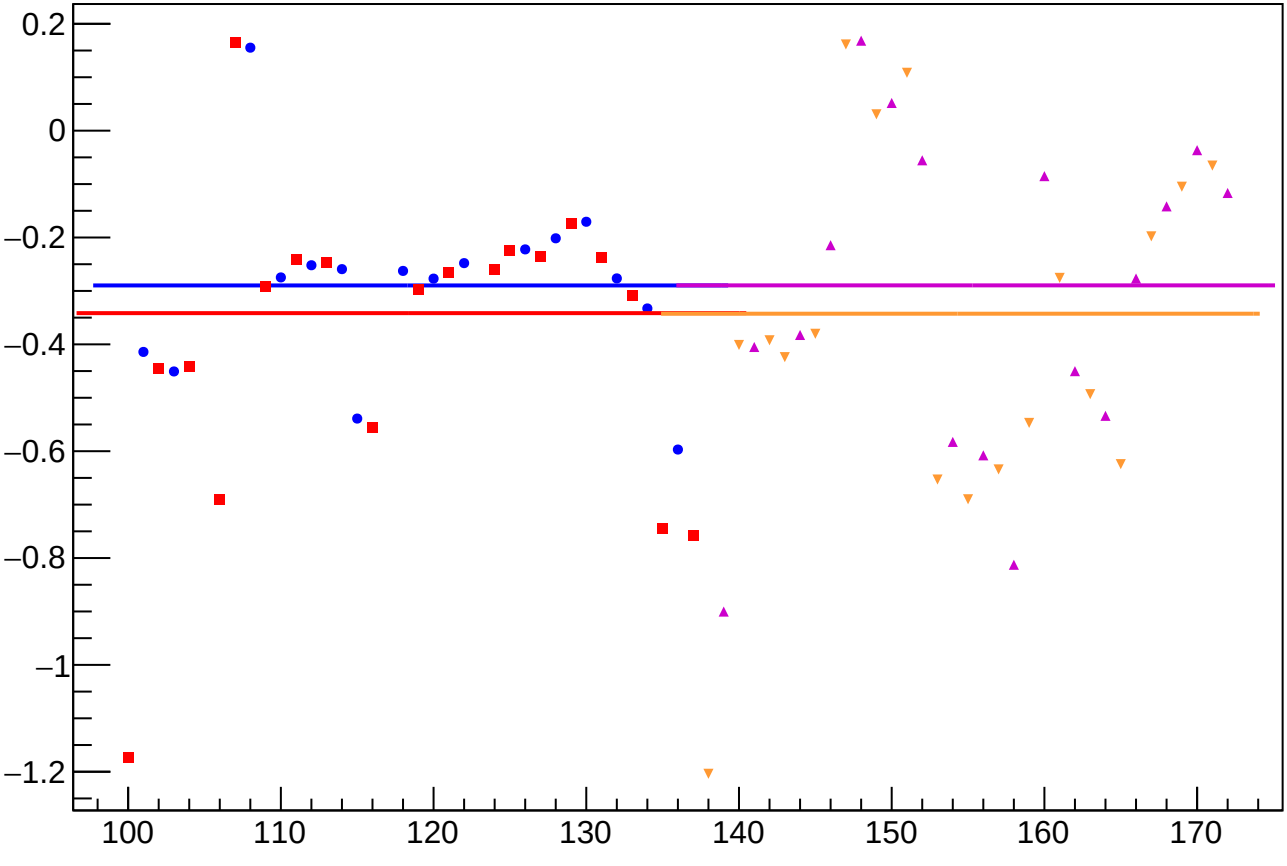
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:614001.3/32

Out: 0.003+/-0.000 χ^2/NDF:549135.3/36

All: 0.003+/-0.000 χ^2/NDF: 1163213.6/69

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.343+/-0.000 χ^2/NDF:8401464067.2/17

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: -0.316+/-0.000 χ^2/NDF: 15253667600.9/34

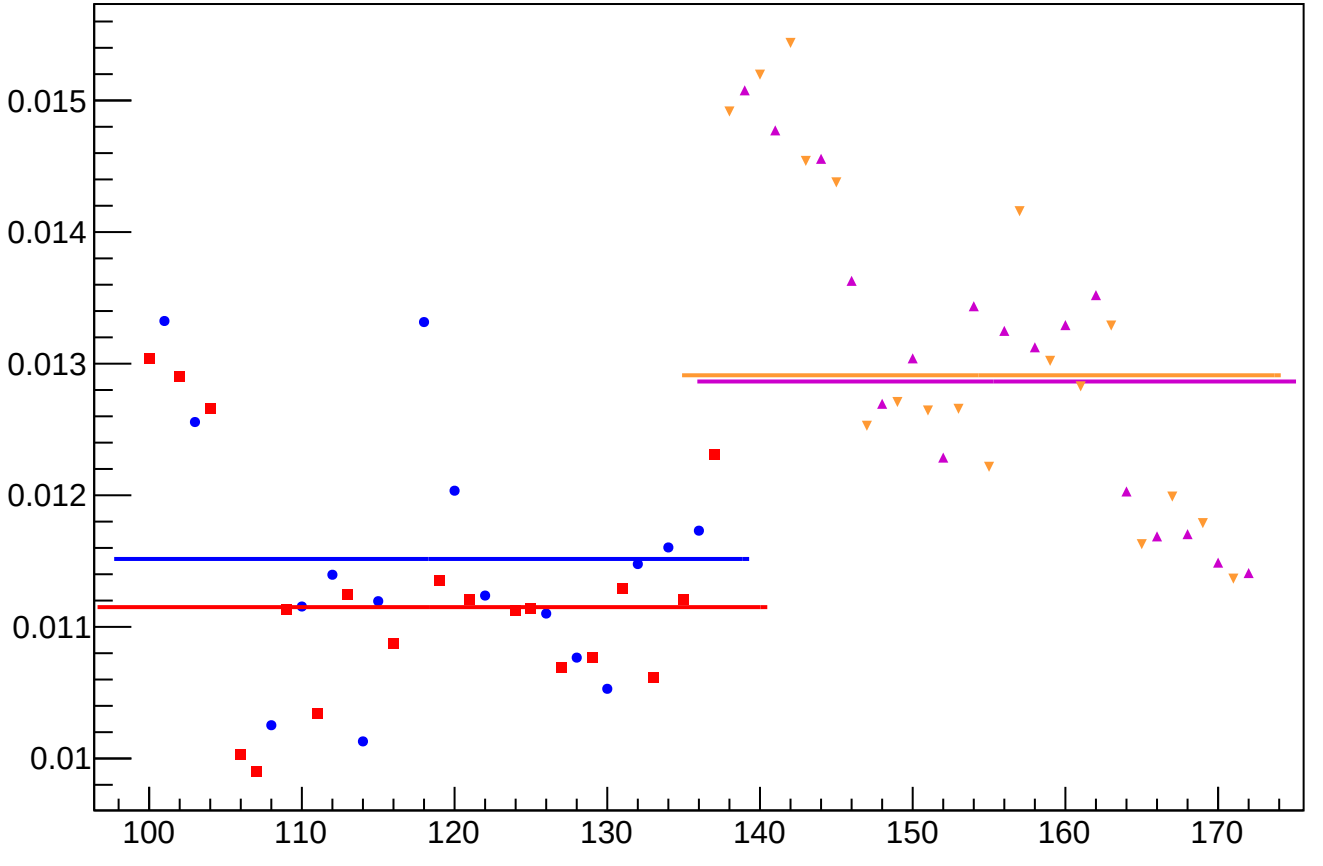
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.290+/-0.000 χ^2/NDF:8385011715.4/32

Out: -0.342+/-0.000 χ^2/NDF:11010746237.7/36

All: -0.317+/-0.000 χ^2/NDF: 19582136412.4/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.013+/-0.000 χ^2/NDF:204547.9/17

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: 390121.4/34

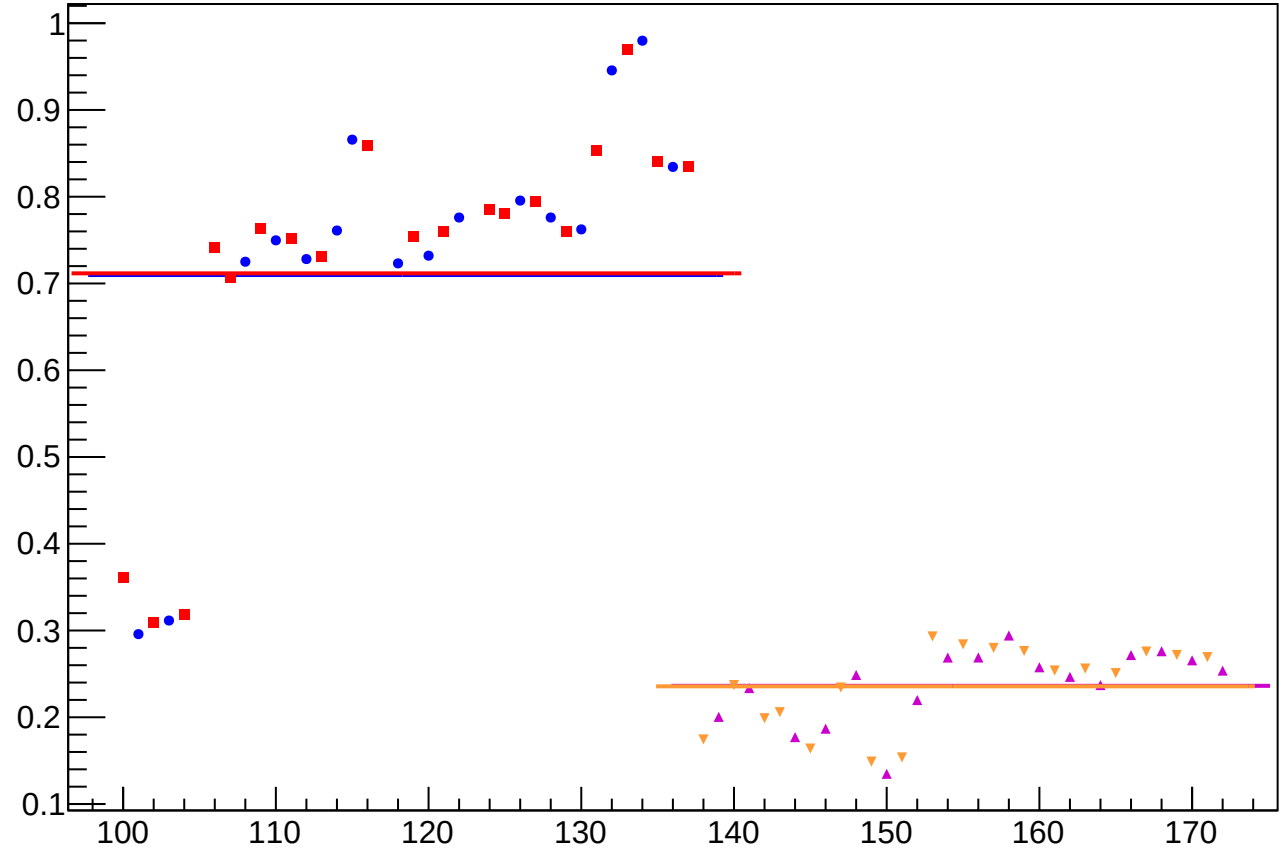
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:384237.6/32

Out: 0.012+/-0.000 χ^2/NDF:484594.7/36

All: 0.012+/-0.000 χ^2/NDF: 872373.1/69

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:6715153967.7/17

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: 11999605384.9/34

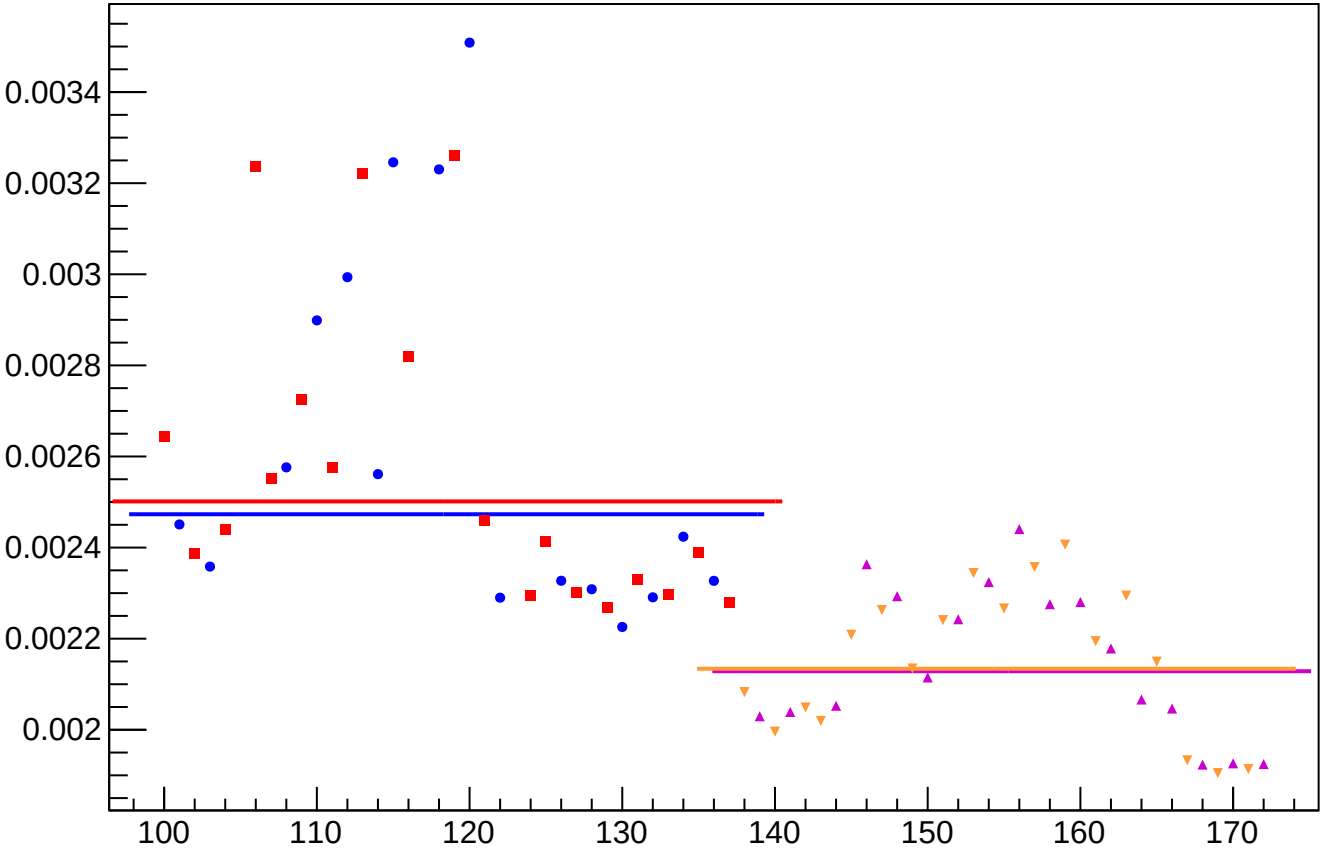
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.363+/-0.000 χ^2/NDF:237238507221.9/32

Out: 0.363+/-0.000 χ^2/NDF:237487097070.0/36

All: 0.363+/-0.000 χ^2/NDF: 474725606118.6

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 208046.5/15

Left Out: 0.002+/-0.000 χ^2/NDF:153422.4/17

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: 306644.4/34

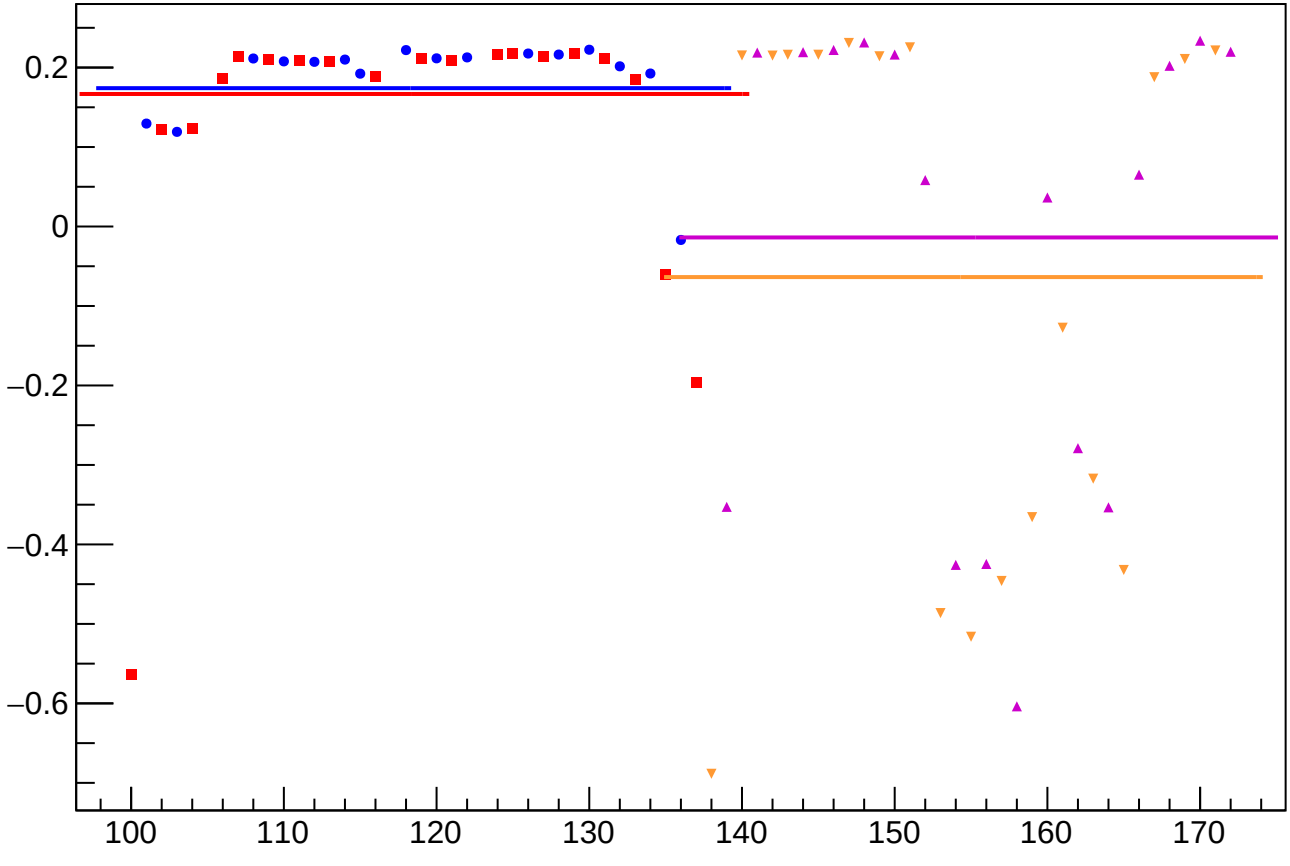
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:555066.6/32

Out: 0.002+/-0.000 χ^2/NDF:553058.9/36

All: 0.002+/-0.000 χ^2/NDF: 1108681.6/69

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.064+/-0.000 χ^2/NDF:10455013513.5/17

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: -0.039+/-0.000 χ^2/NDF: 18721249834.1/34

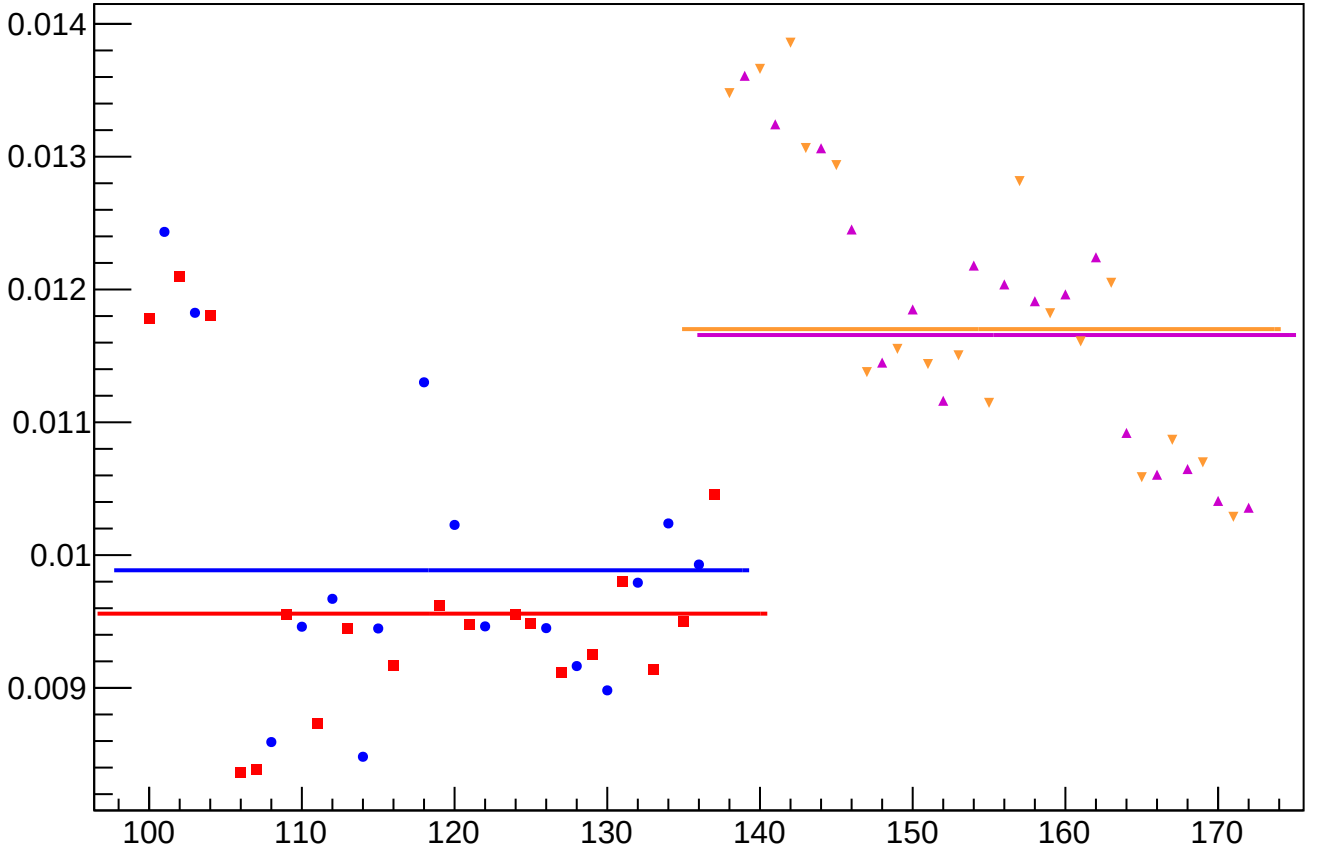
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.065+/-0.000 χ^2/NDF:9984929769.0/32

Out: 0.039+/-0.000 χ^2/NDF:13665023043.4/36

All: 0.052+/-0.000 χ^2/NDF: 23707193134.1/6

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.012+/-0.000 χ^2/NDF:191511.1/17

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: 367297.1/34

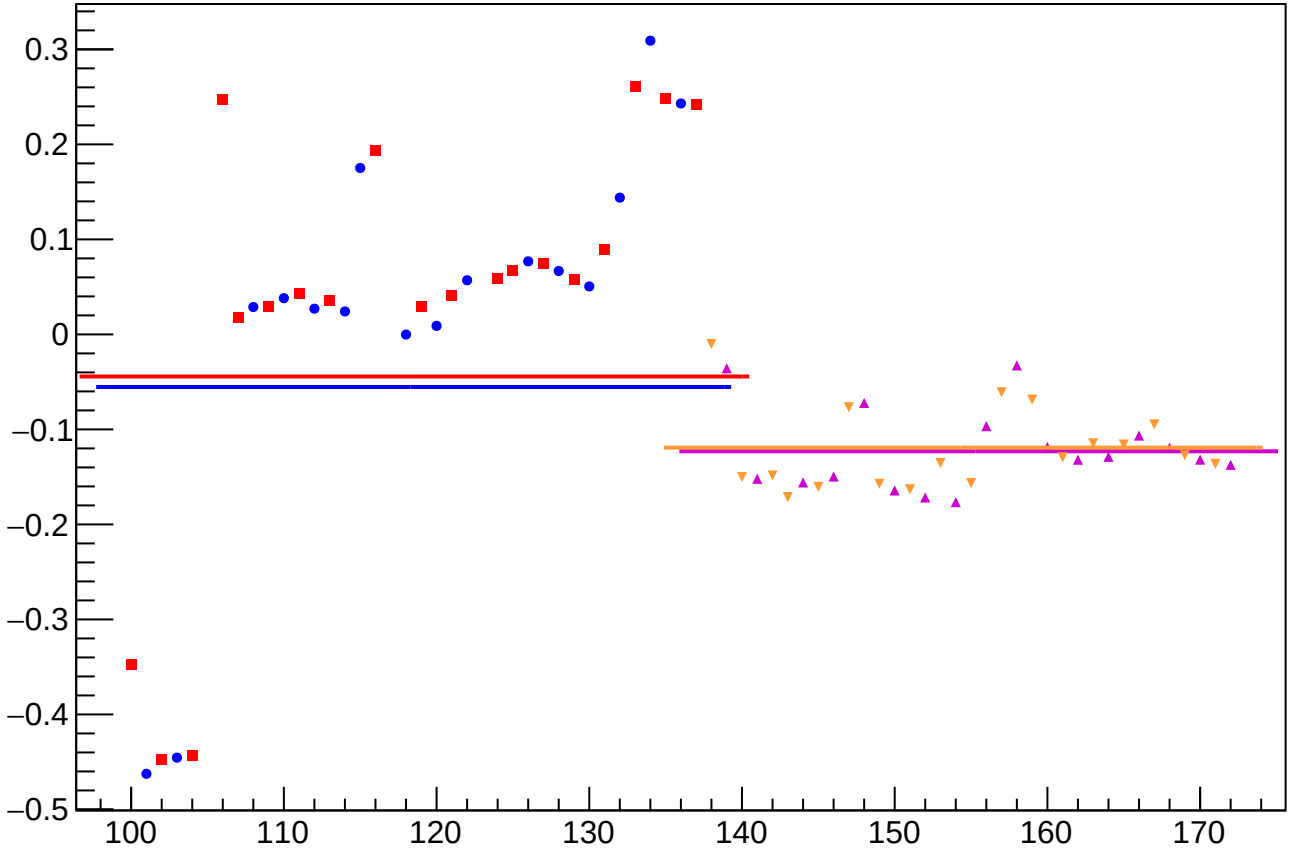
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:579972.8/32

Out: 0.011+/-0.000 χ^2/NDF:728379.7/36

All: 0.011+/-0.000 χ^2/NDF: 1313254.1/69

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.119+/-0.000 χ^2/NDF:2851113547.2/17

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: -0.121+/-0.000 χ^2/NDF: 5661861778.2/34

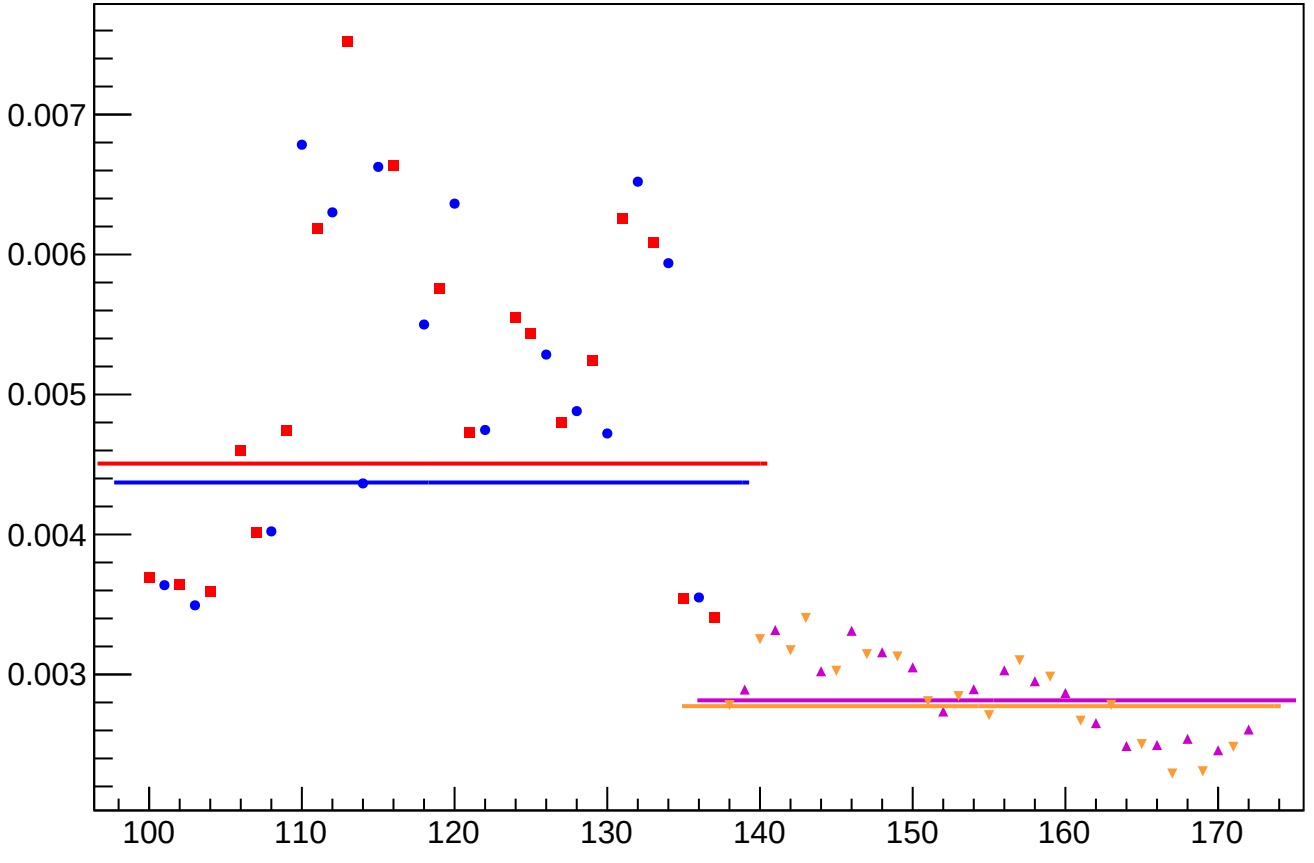
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.112+/-0.000 χ^2/NDF:28108865743.8/32

Out: -0.108+/-0.000 χ^2/NDF:26482401323.2/36

All: -0.110+/-0.000 χ^2/NDF: 54611251367.2/

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:349748.3/17

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: 584732.0/34

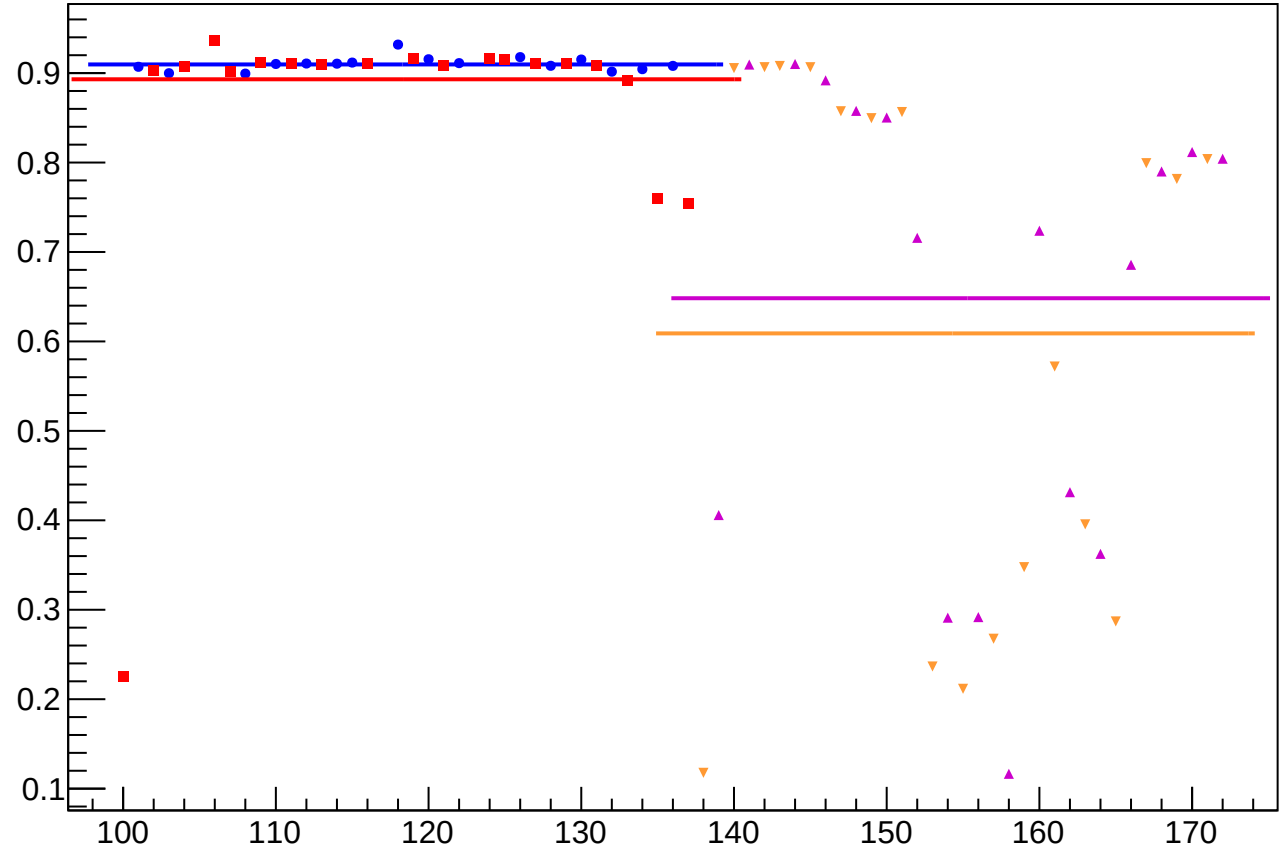
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:2191098.2/32

Out: 0.003+/-0.000 χ^2/NDF:2655621.0/36

All: 0.003+/-0.000 χ^2/NDF: 4848130.6/69

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.609+/-0.000 χ^2/NDF:8169452669.5/17

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: 0.629+/-0.000 χ^2/NDF: 14692838887.6/34

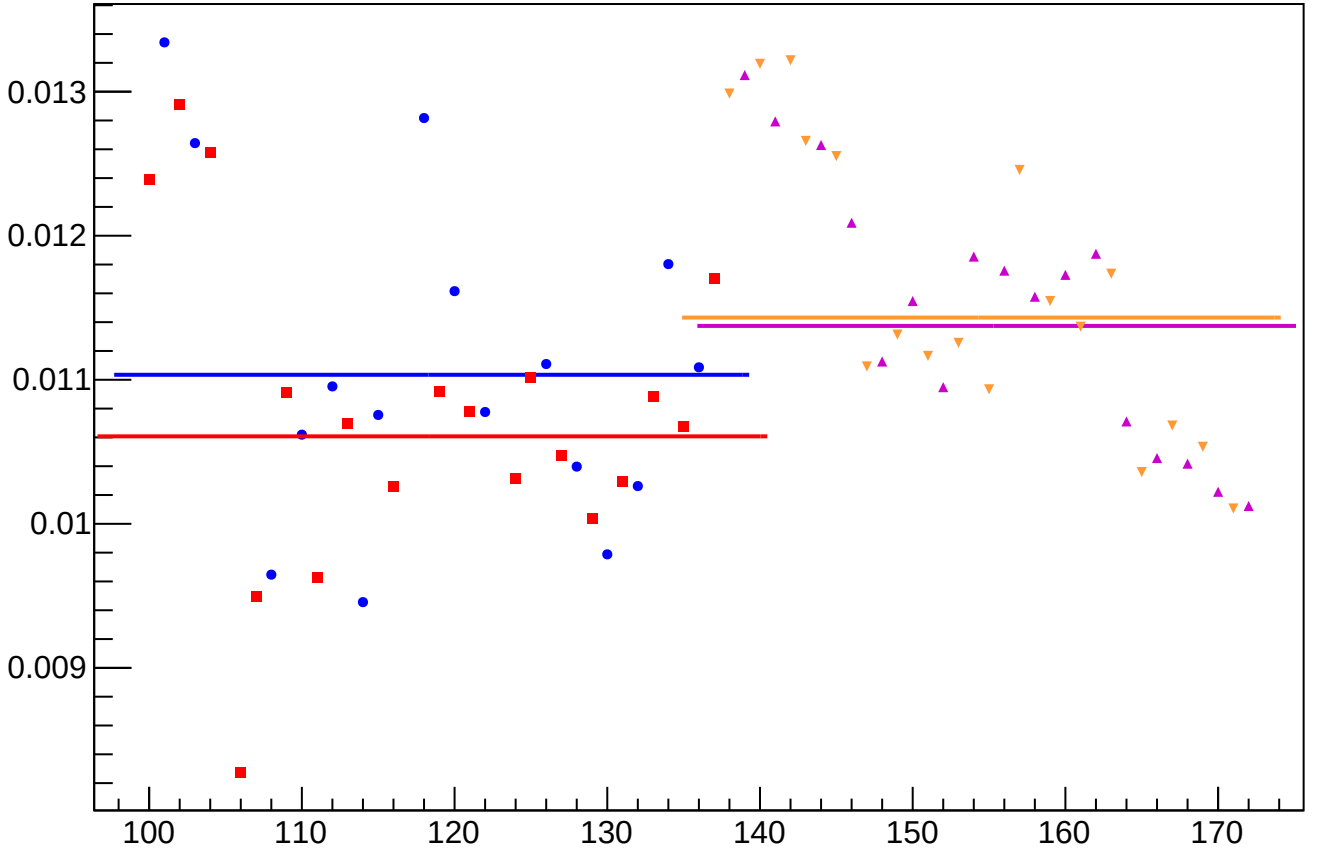
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.741+/-0.000 χ^2/NDF:8935502542.0/32

Out: 0.718+/-0.000 χ^2/NDF:11686511232.8/36

All: 0.729+/-0.000 χ^2/NDF: 20665490190.1/6

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:166489.3/17

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: 322572.1/34

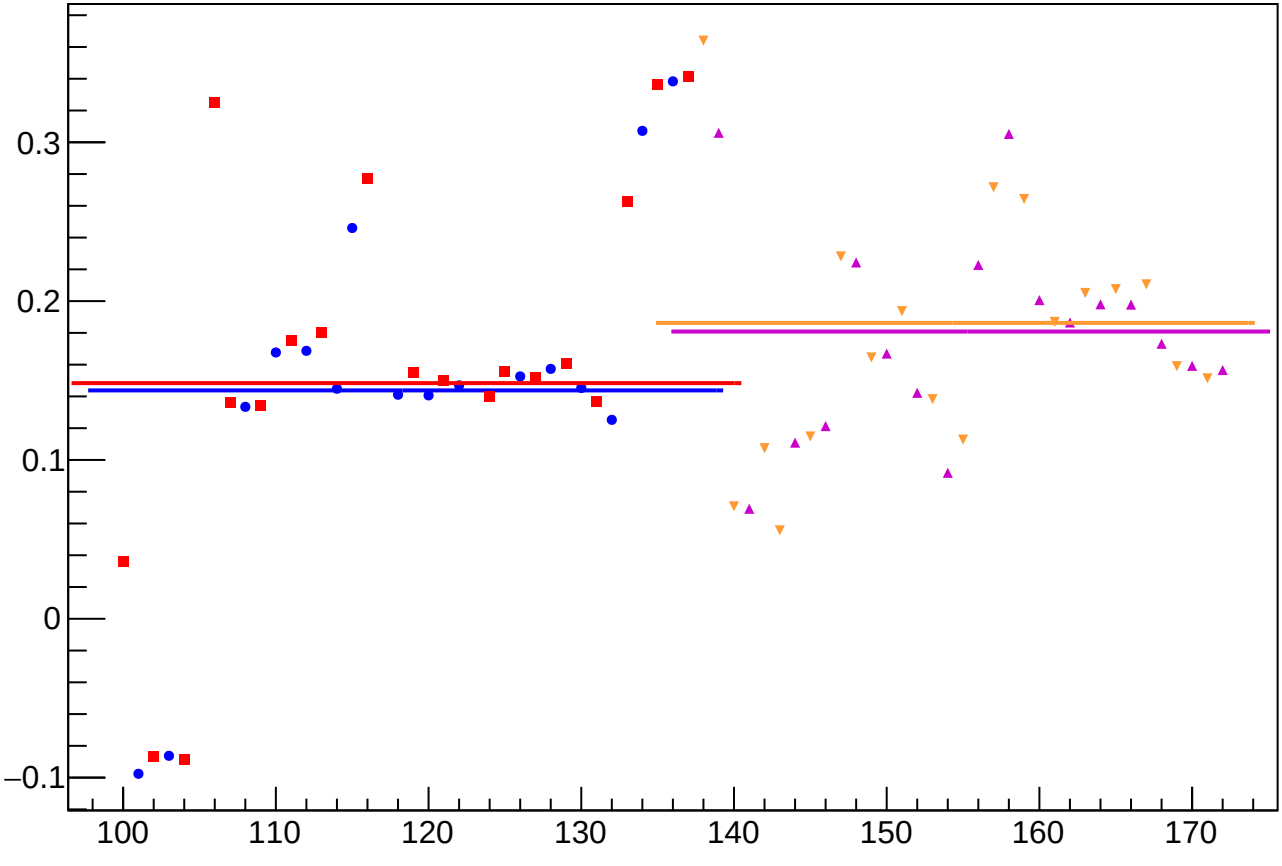
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:294474.1/32

Out: 0.011+/-0.000 χ^2/NDF:364163.7/36

All: 0.011+/-0.000 χ^2/NDF: 661729.6/69

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.186+/-0.000 χ^2/NDF:6232180610.0/17

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: 0.184+/-0.000 χ^2/NDF: 10804624365.9/34

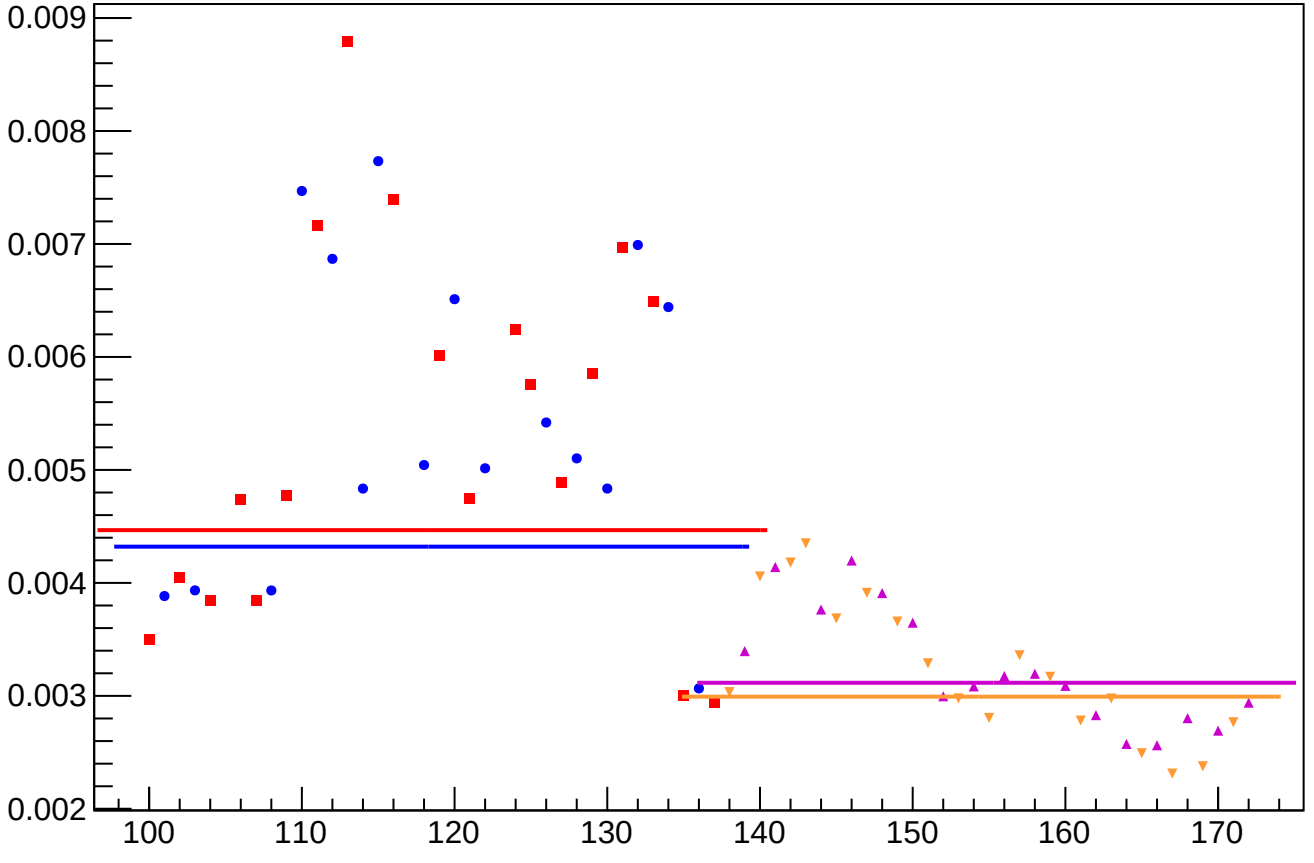
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.174+/-0.000 χ^2/NDF:12760820946.6/32

Out: 0.180+/-0.000 χ^2/NDF:13714922039.3/36

All: 0.177+/-0.000 χ^2/NDF: 26505565516.2/6

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:838620.6/17

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: 1395317.8/34

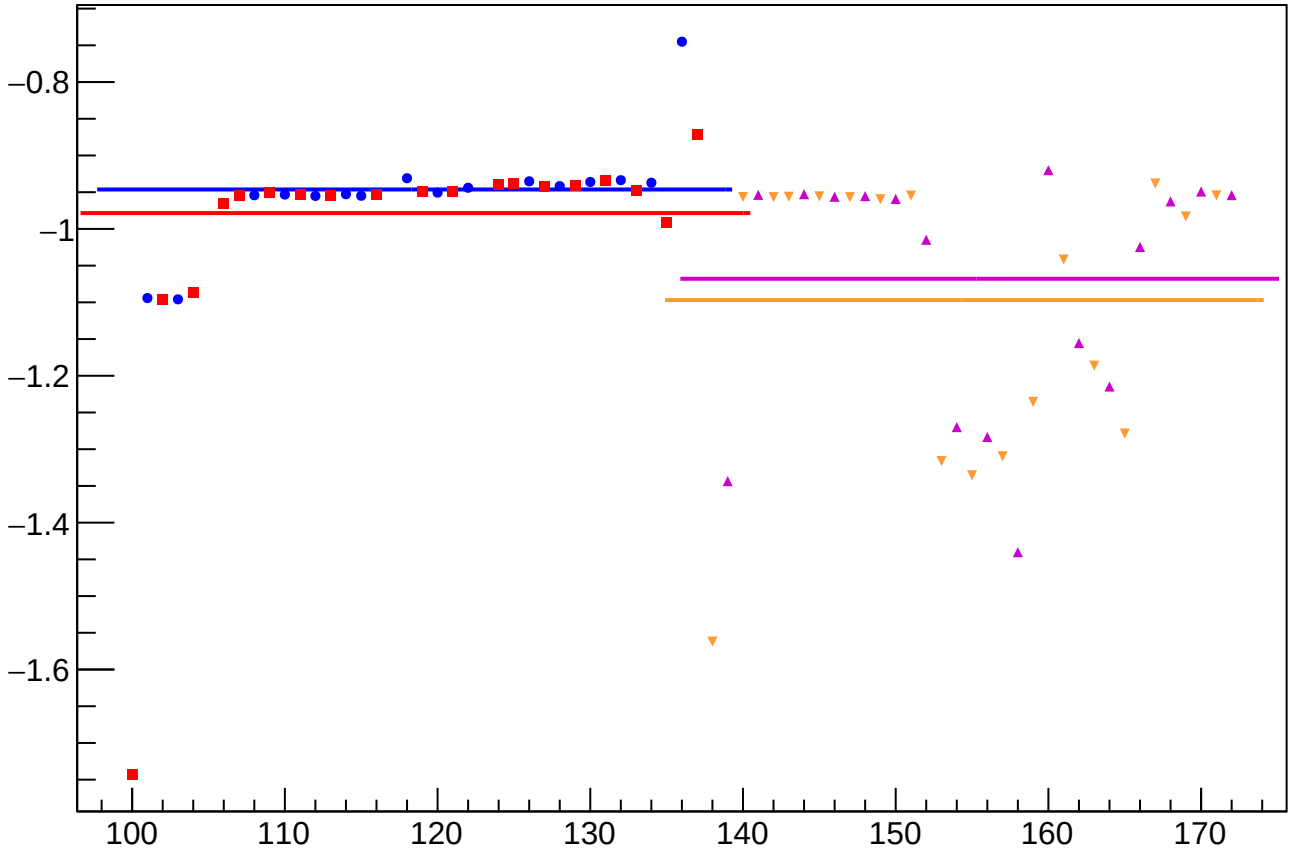
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.003+/-0.000 χ^2/NDF:2135676.3/32

Out: 0.003+/-0.000 χ^2/NDF:2995143.7/36

All: 0.003+/-0.000 χ^2/NDF: 5147108.7/69

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.097+/-0.000 χ^2/NDF:4212431111.3/17

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: -1.082+/-0.000 χ^2/NDF: 7693620555.0/34

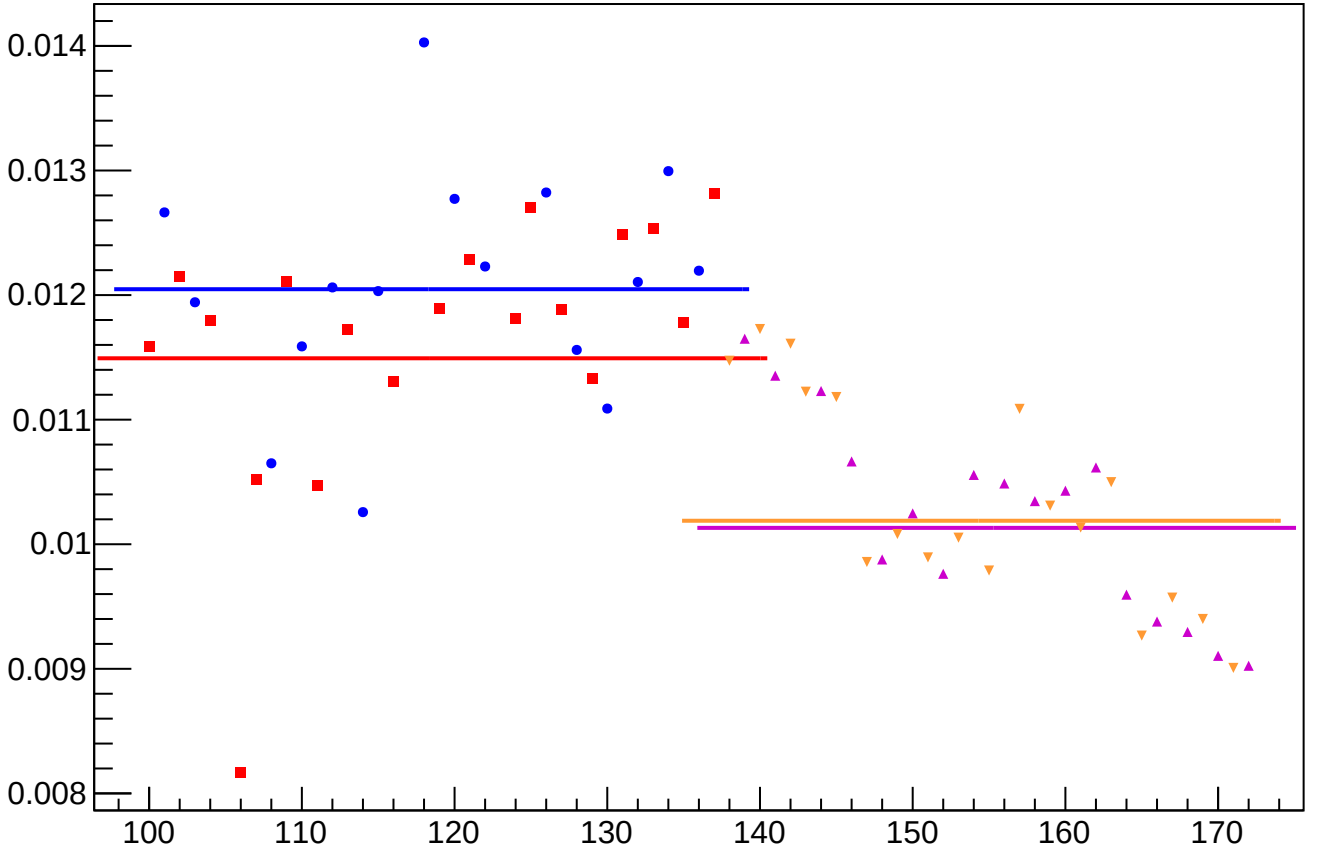
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -1.036+/-0.000 χ^2/NDF:4344221768.0/32

Out: -1.062+/-0.000 χ^2/NDF:5211372926.1/36

All: -1.049+/-0.000 χ^2/NDF: 9619986489.7/6

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:157715.0/17

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: 307929.4/34

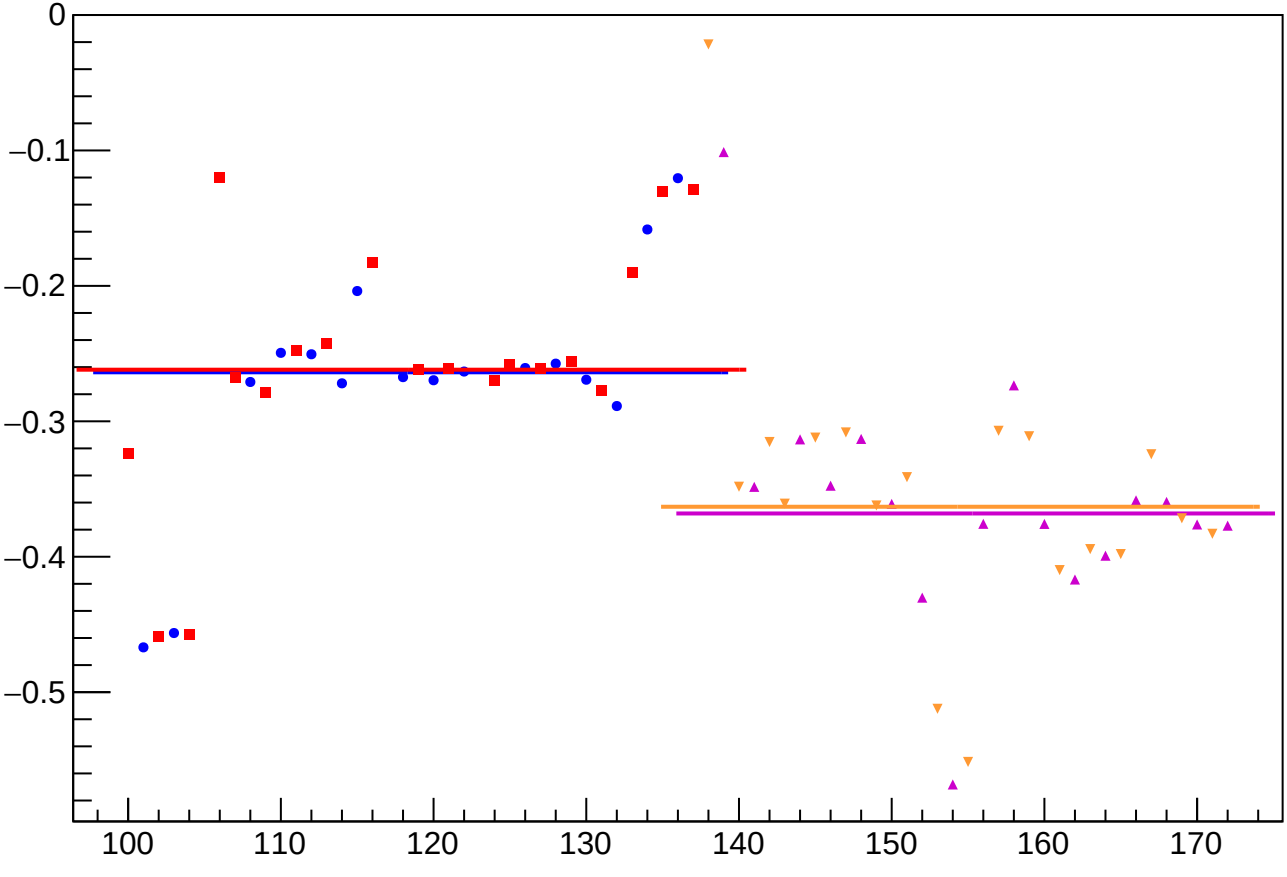
Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

In: 0.011+/-0.000 χ^2/NDF:467198.1/32

Out: 0.011+/-0.000 χ^2/NDF:439313.2/36

All: 0.011+/-0.000 χ^2/NDF: 907412.7/69

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.264+/-0.000 χ^2/NDF: 6106171444.3/15

Left Out: -0.363+/-0.000 χ^2/NDF:11880438941.9/17

Right Out: -0.262+/-0.000 χ^2/NDF: 5250043427.3/18

Left In: -0.368+/-0.000 χ^2/NDF:7568143025.3/16

Left: -0.365+/-0.000 χ^2/NDF: 19461834874.3/34

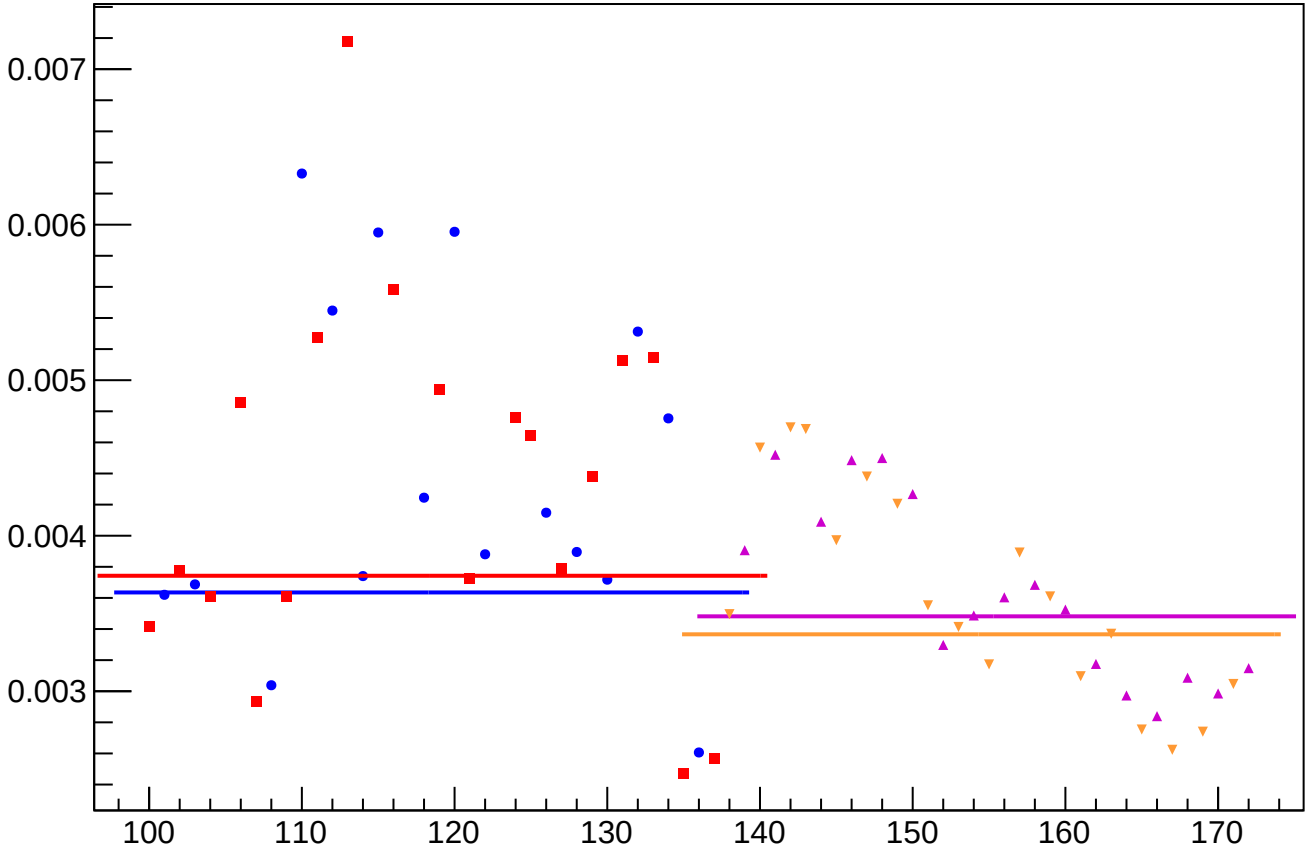
Right: -0.263+/-0.000 χ^2/NDF: 11357011784.3/34

In: -0.337+/-0.000 χ^2/NDF:17011044316.1/32

Out: -0.335+/-0.000 χ^2/NDF:20313005533.6/36

All: -0.336+/-0.000 χ^2/NDF: 37327314407.9/

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:781367.0/17

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: 1333451.2/34

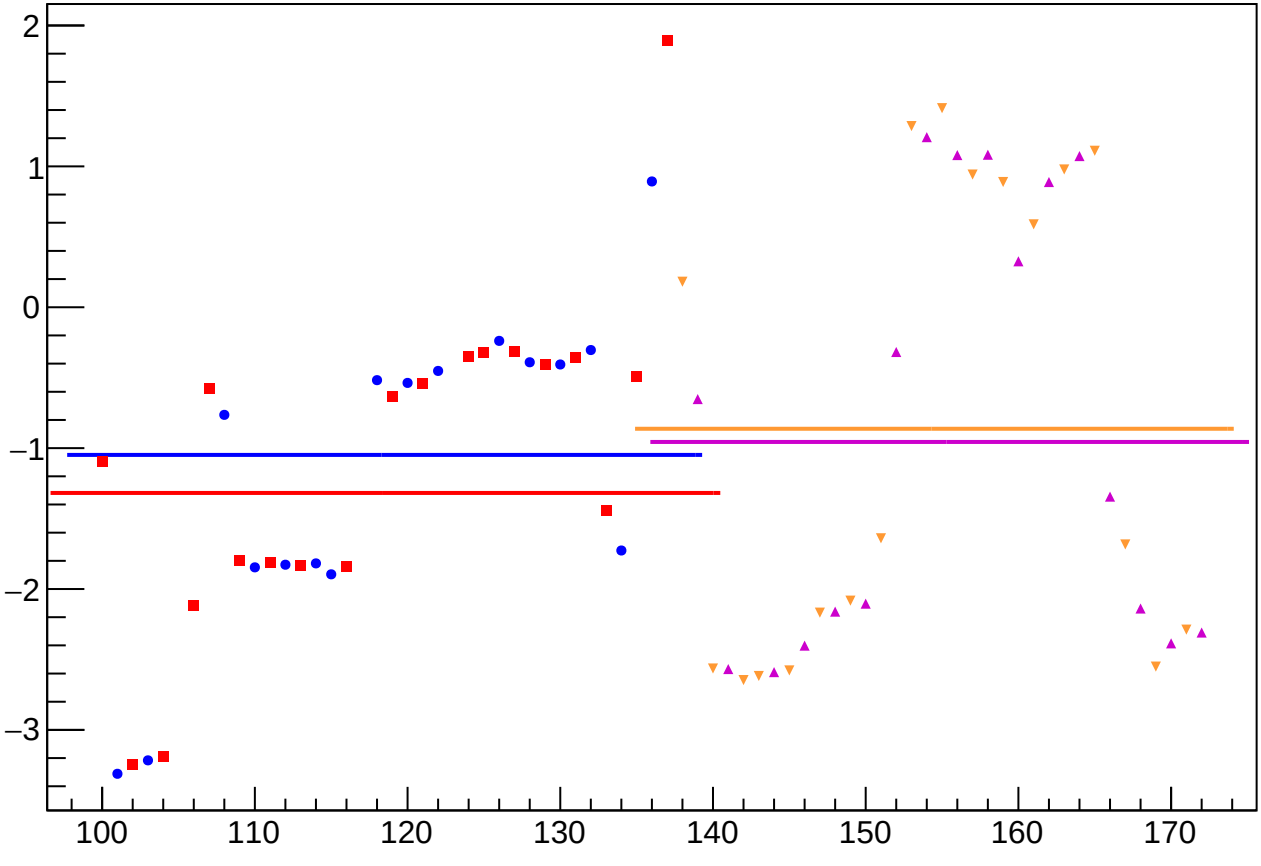
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.004+/-0.000 χ^2/NDF:1280790.7/32

Out: 0.003+/-0.000 χ^2/NDF:1763634.3/36

All: 0.003+/-0.000 χ^2/NDF: 3049308.3/69

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.862+/-0.000 χ^2/NDF:6526472575.8/17

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: -0.909+/-0.000 χ^2/NDF: 11984291273.9/34

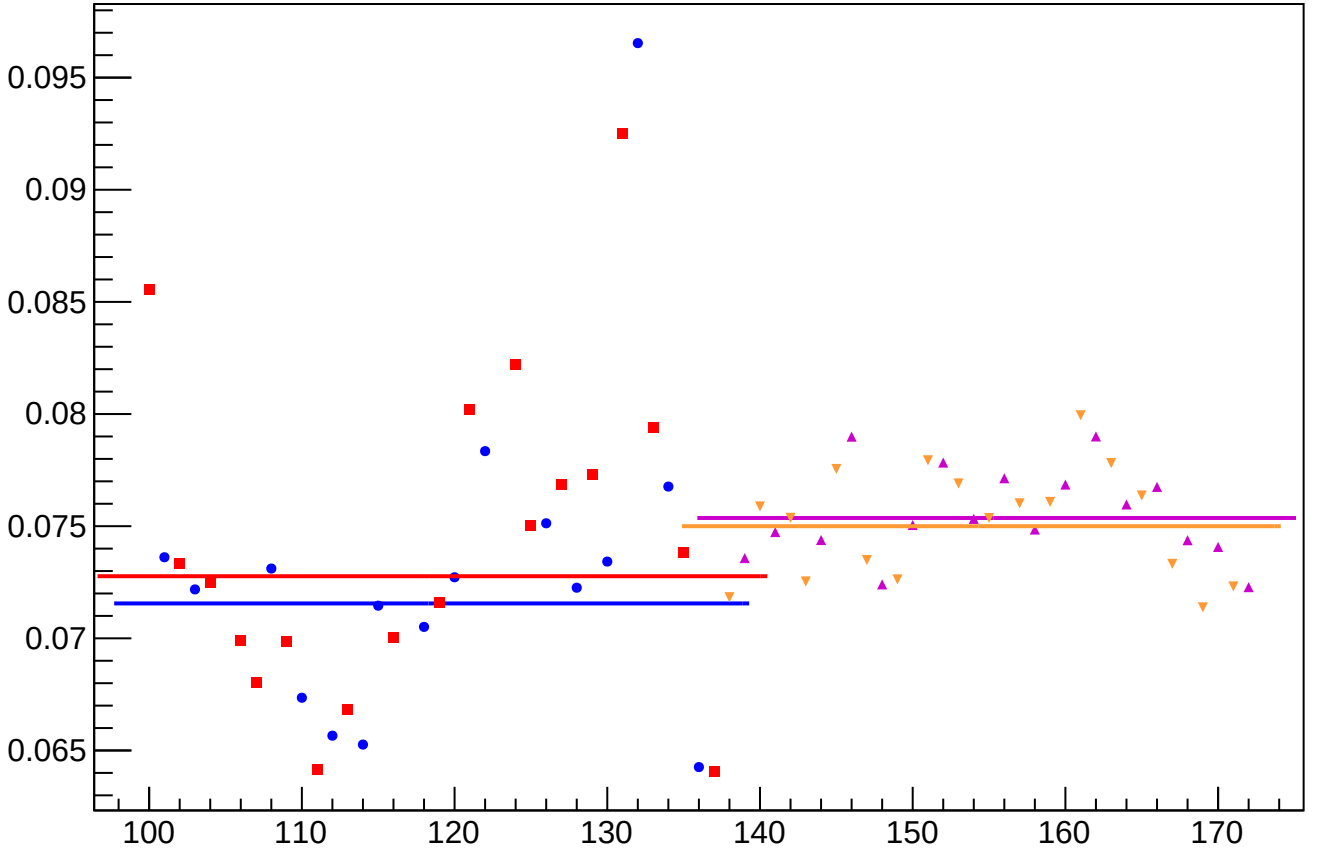
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -0.989+/-0.000 χ^2/NDF:7801482120.6/32

Out: -1.024+/-0.000 χ^2/NDF:8558059740.1/36

All: -1.007+/-0.000 χ^2/NDF: 16361871697.6/

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:29278.6/17

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:18448.4/16

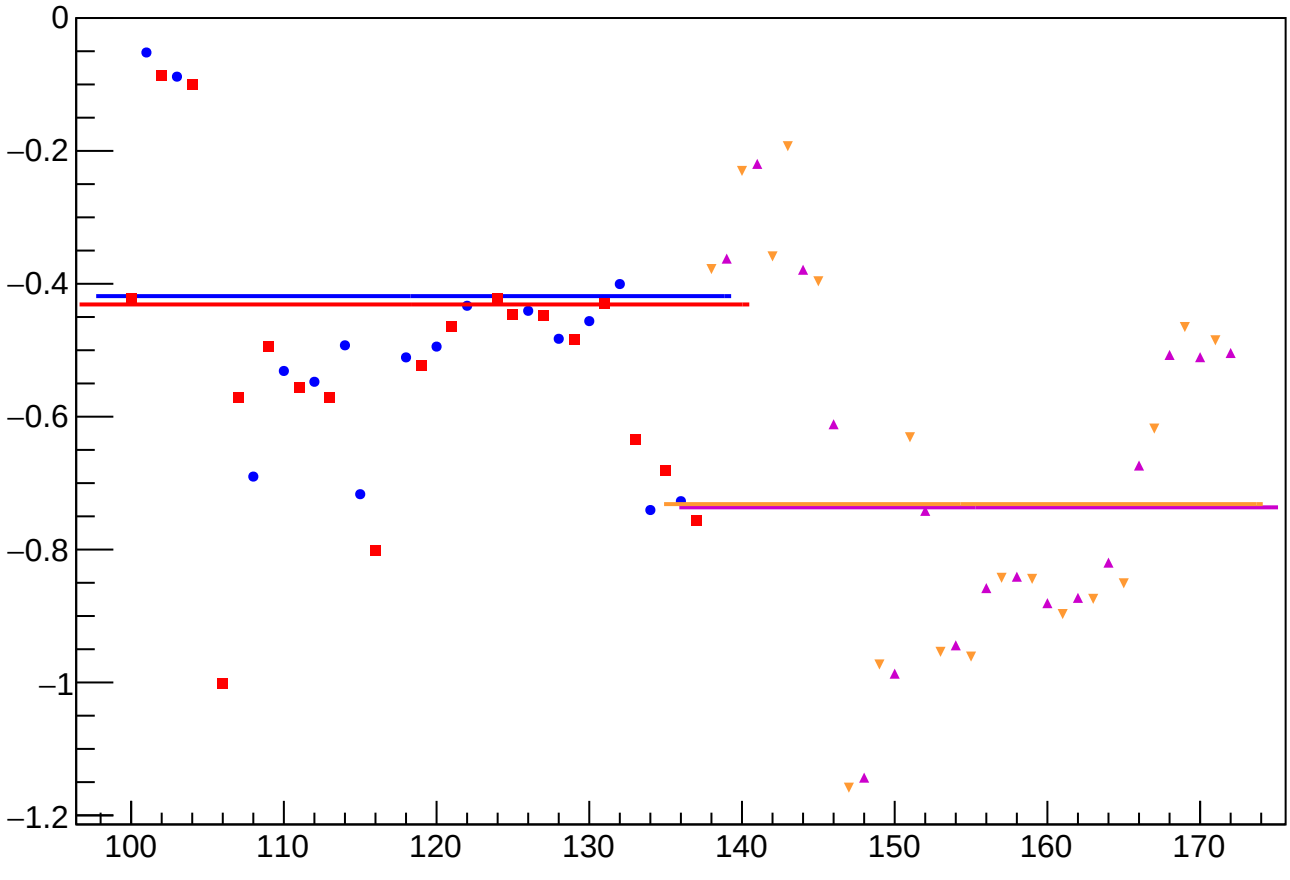
Left: 0.075+/-0.000 χ^2/NDF: 48056.6/34

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:134950.7/36

All: 0.074+/-0.000 χ^2/NDF: 280200.1/69



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.732+/-0.000 χ^2/NDF:18203992623.7/17

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.736+/-0.000 χ^2/NDF:13920814504.1/16

Left: -0.734+/-0.000 χ^2/NDF: 32128410399.1/34

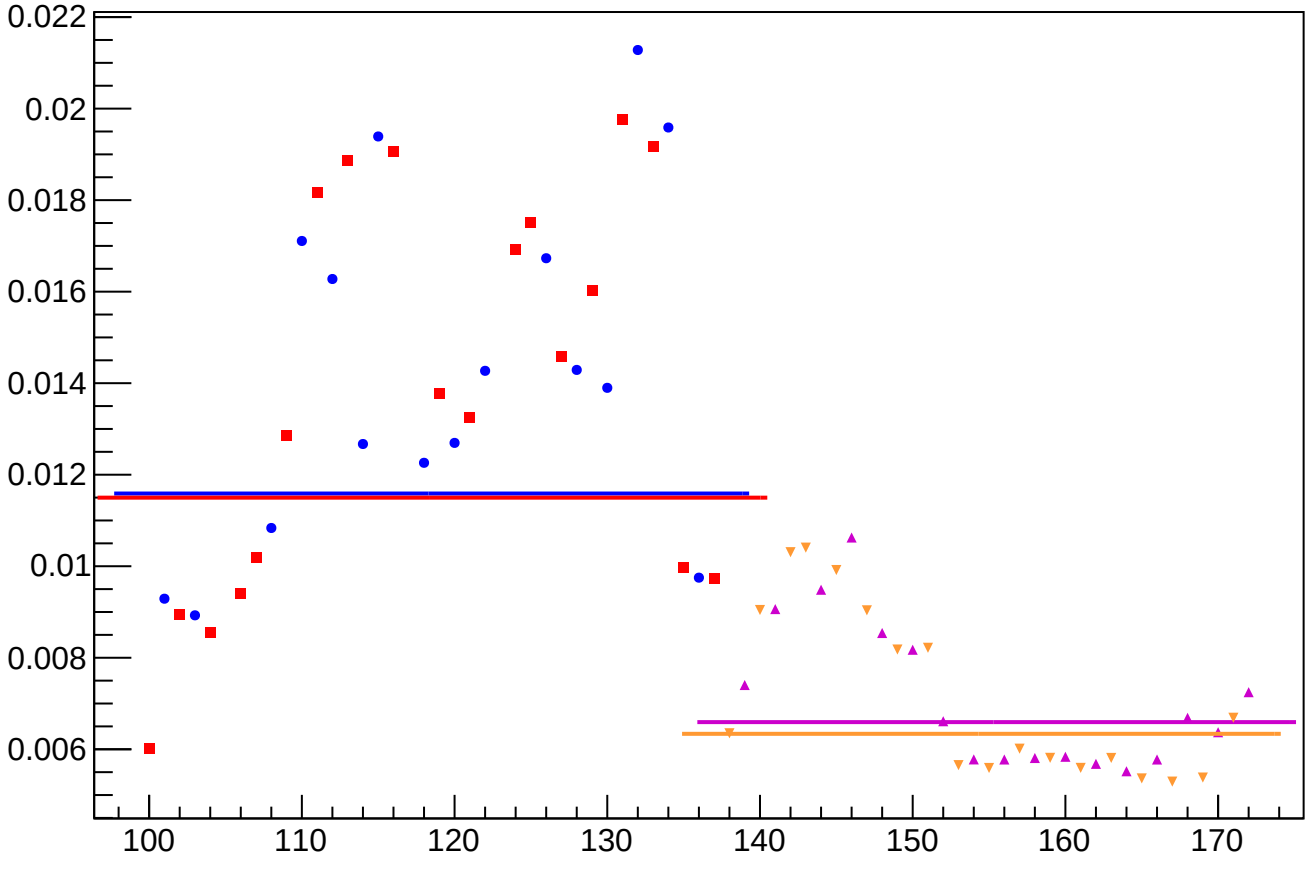
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.694+/-0.000 χ^2/NDF:20885996358.1/32

Out: -0.694+/-0.000 χ^2/NDF:24992298425.2/36

All: -0.694+/-0.000 χ^2/NDF: 45878308297.0/

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:1217275.9/17

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: 2126790.6/34

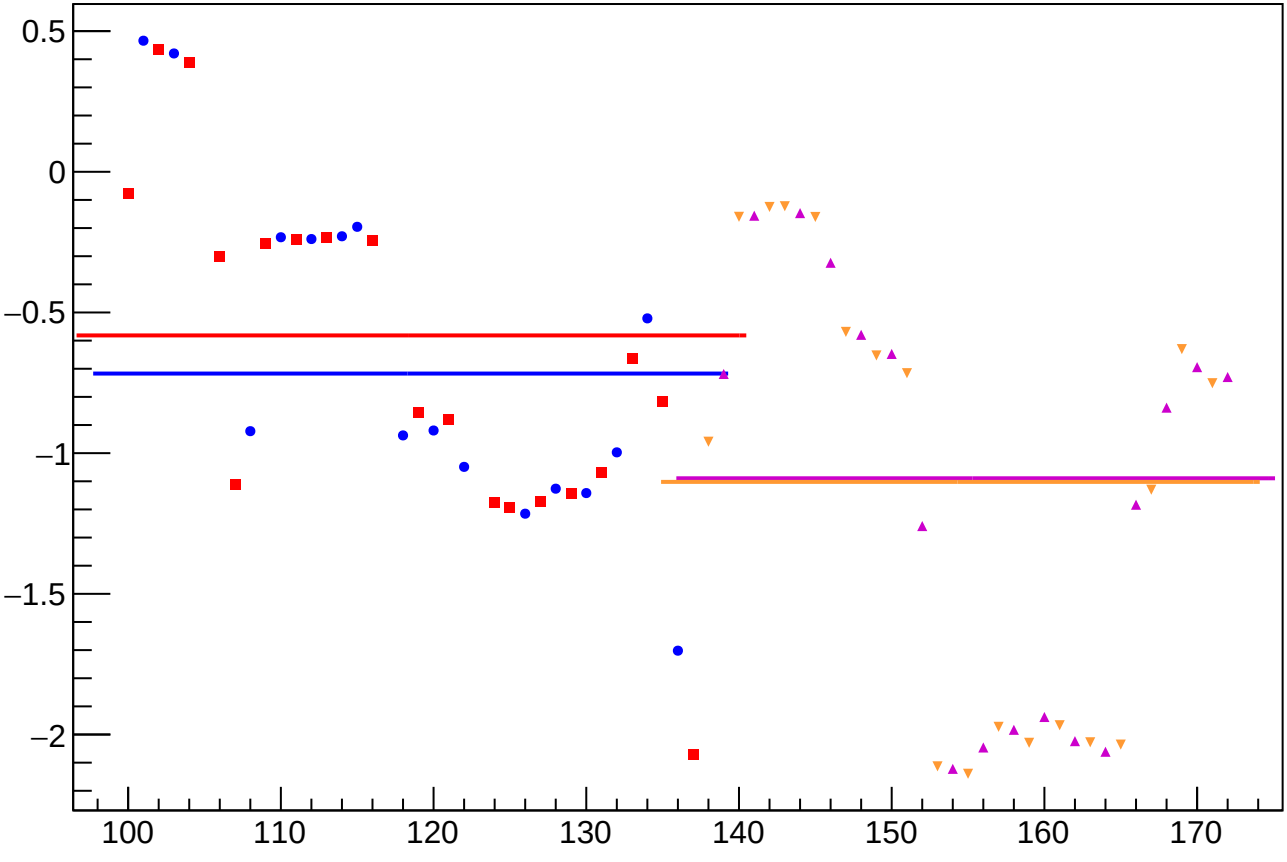
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.007+/-0.000 χ^2/NDF:3598232.7/32

Out: 0.007+/-0.000 χ^2/NDF:4500881.1/36

All: 0.007+/-0.000 χ^2/NDF: 8125218.0/69

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.102+/-0.000 χ^2/NDF:1116347011.1/17

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: -1.096+/-0.000 χ^2/NDF: 2066923199.6/34

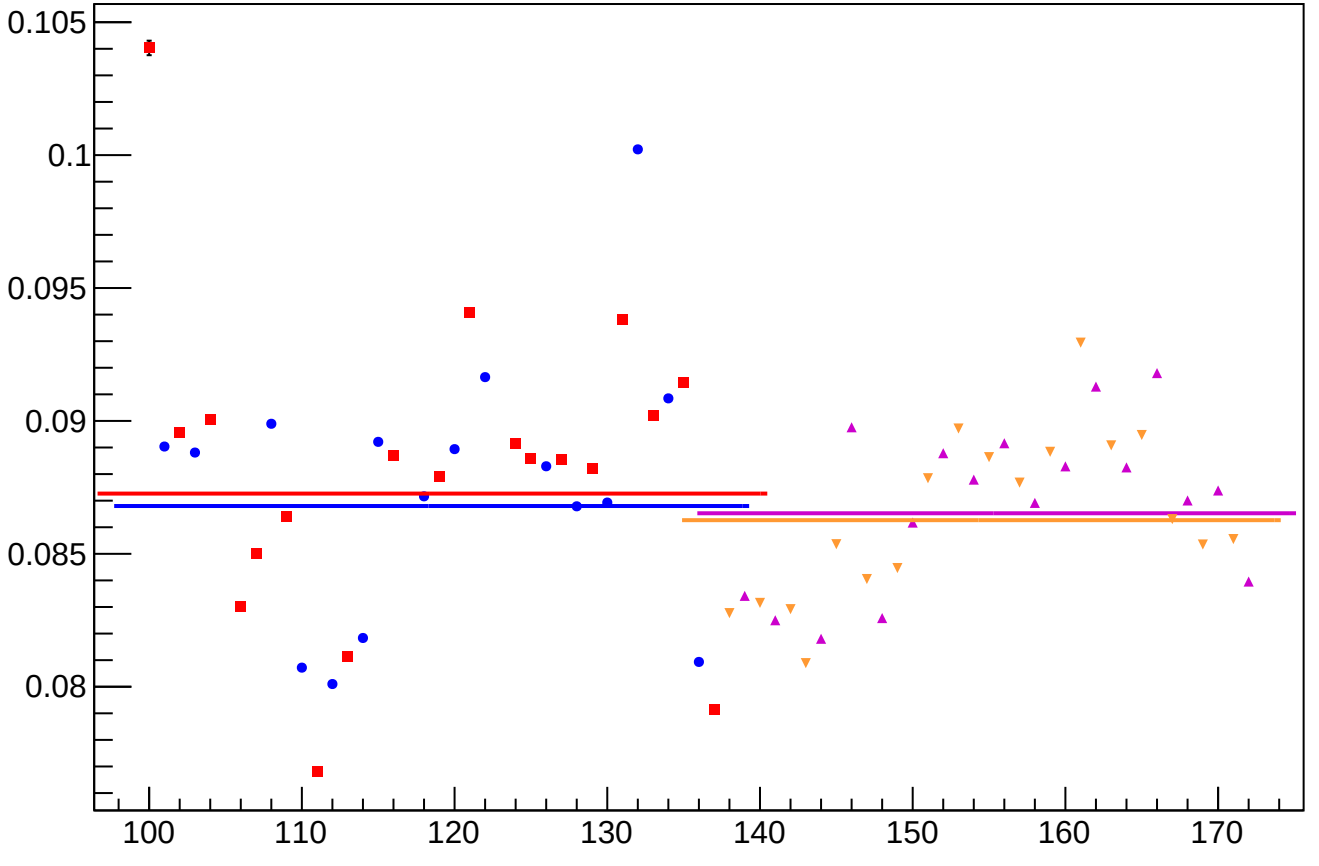
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.963+/-0.000 χ^2/NDF:1475052894.7/32

Out: -0.925+/-0.000 χ^2/NDF:1633374287.1/36

All: -0.944+/-0.000 χ^2/NDF: 3110455842.2/6

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.086+/-0.000 χ^2/NDF:33688.2/17

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: 66242.1/34

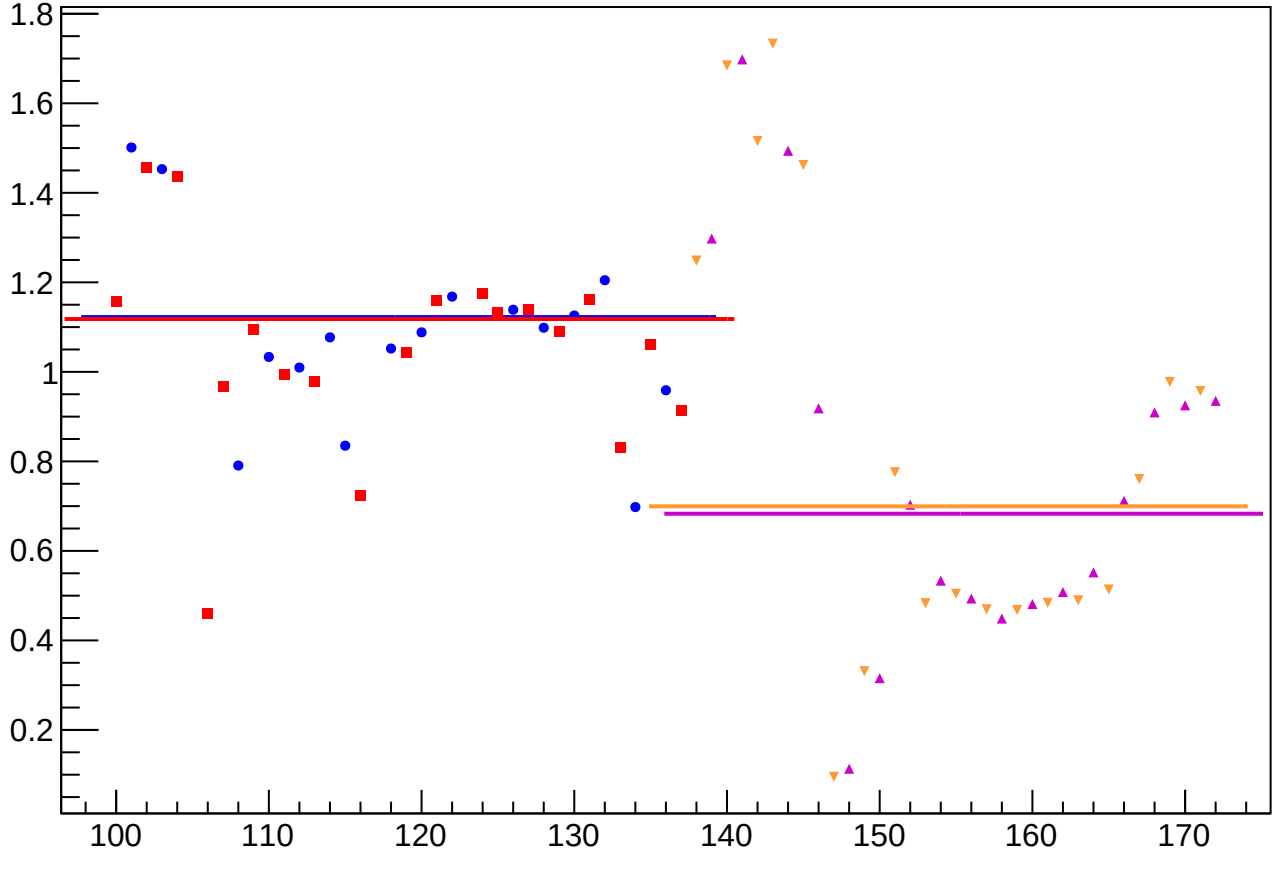
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.087+/-0.000 χ^2/NDF:76096.3/32

Out: 0.087+/-0.000 χ^2/NDF:81143.8/36

All: 0.087+/-0.000 χ^2/NDF: 157240.6/69

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.700+/-0.000 χ^2/NDF:30486311801.0/17

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: 0.692+/-0.000 χ^2/NDF: 54375772137.8/34

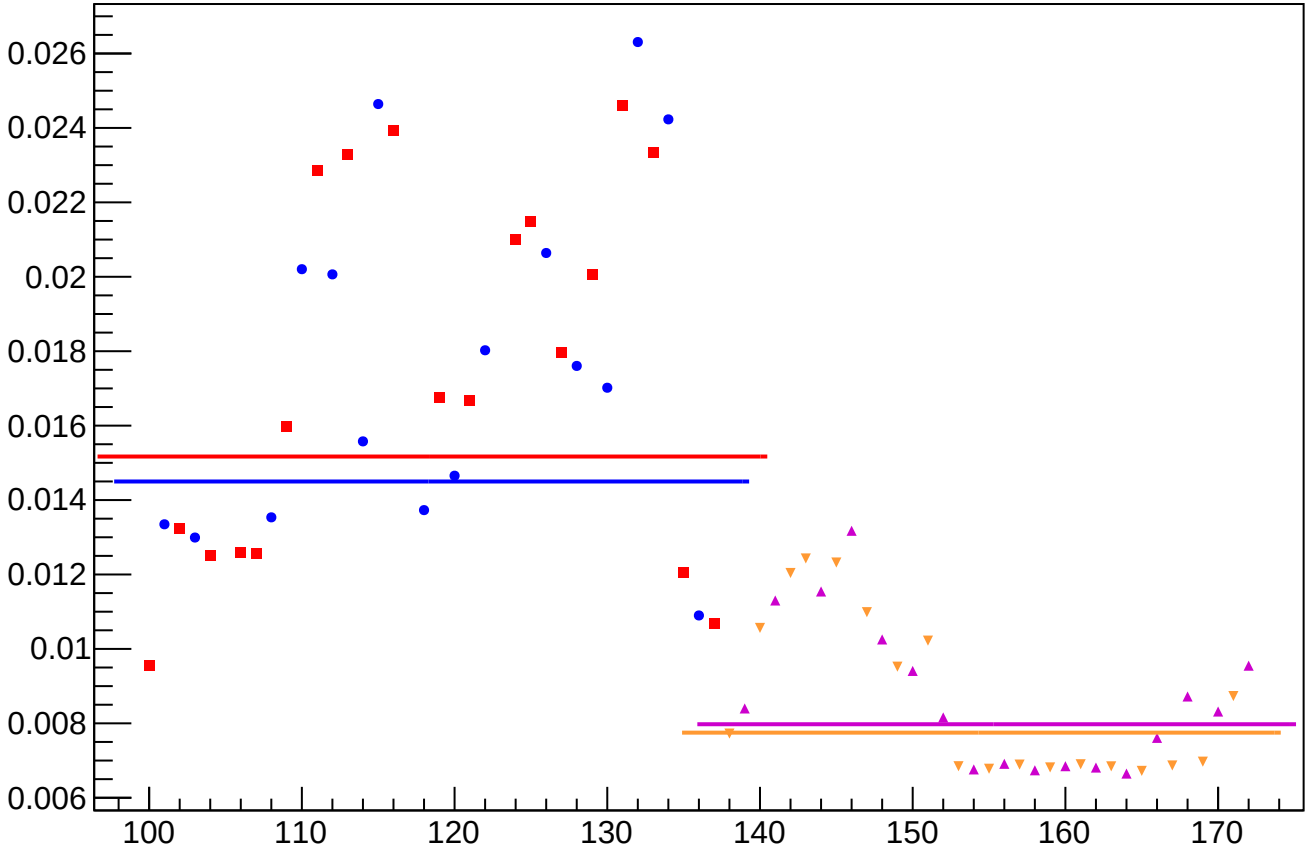
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.738+/-0.000 χ^2/NDF:30117083453.8/32

Out: 0.745+/-0.000 χ^2/NDF:36213948130.2/36

All: 0.742+/-0.000 χ^2/NDF: 66338165774.3/6

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1152449.8/17

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: 2158244.2/34

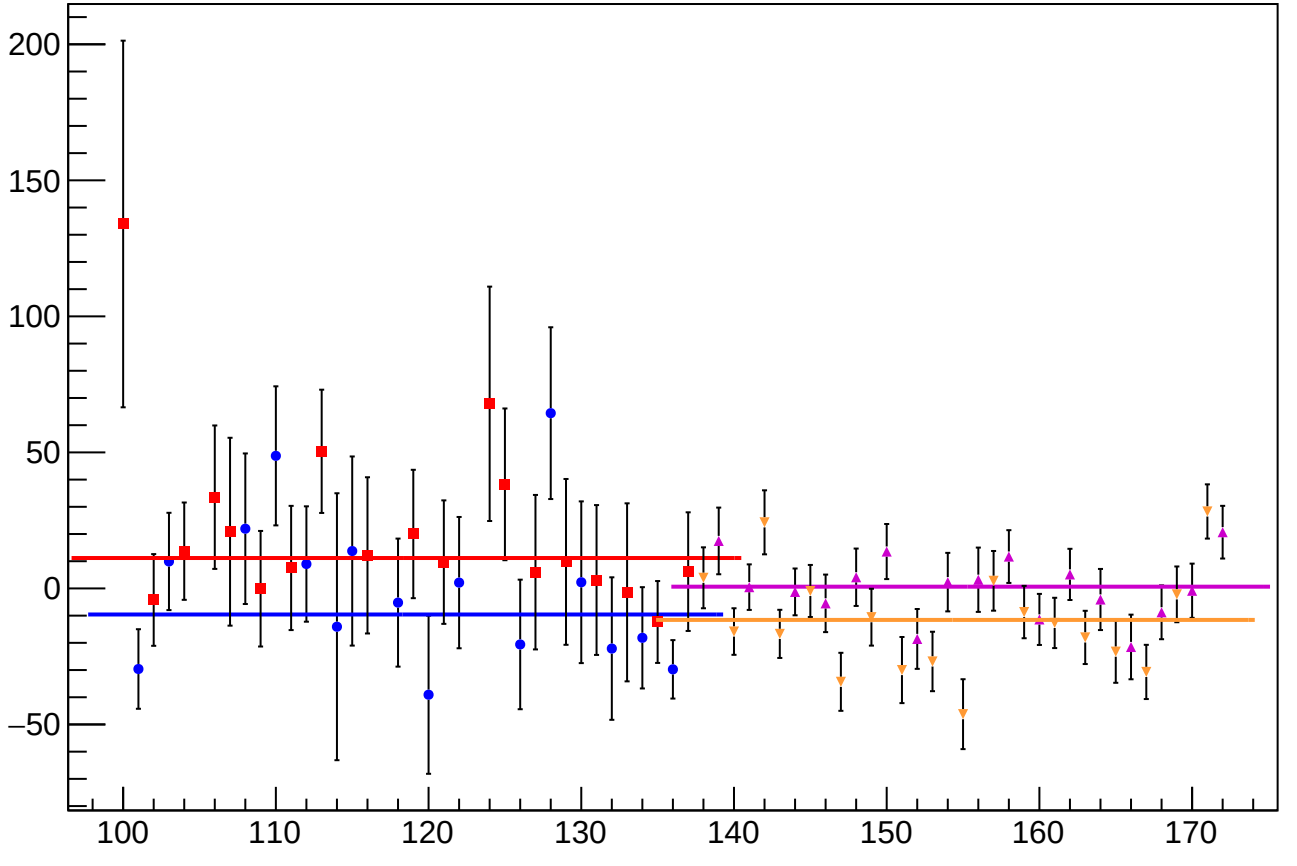
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.009+/-0.000 χ^2/NDF:3822673.6/32

Out: 0.009+/-0.000 χ^2/NDF:4631213.5/36

All: 0.009+/-0.000 χ^2/NDF: 8465758.2/69

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -11.574+/-2.424 χ^2/NDF:52.9/17

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: -5.554+/-1.726 χ^2/NDF: 84.6/34

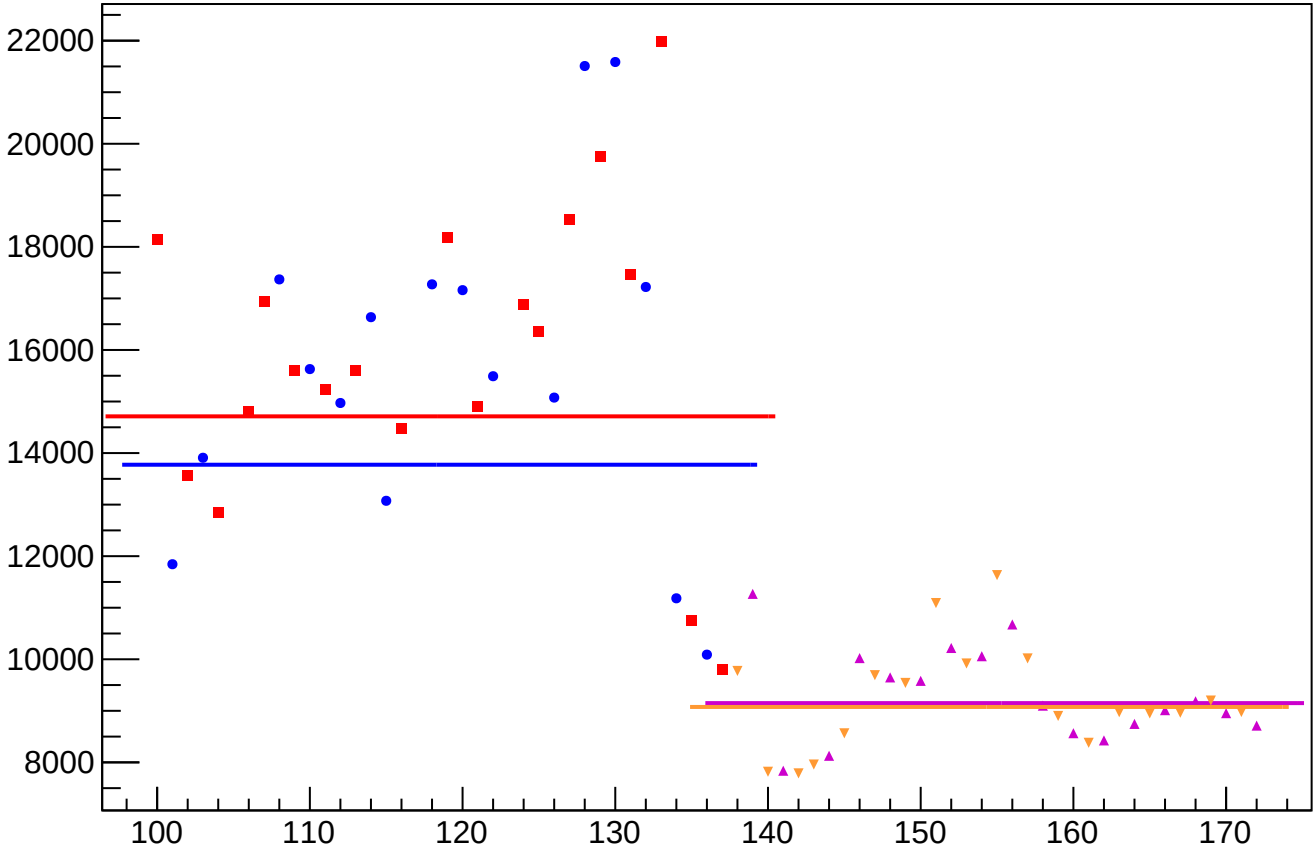
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -1.174+/-2.230 χ^2/NDF:44.2/32

Out: -7.872+/-2.218 χ^2/NDF:81.1/36

All: -4.541+/-1.572 χ^2/NDF: 129.8/69

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9075.029+/-1.714 χ^2/NDF:297257.1/17

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: 9111.777+/-1.220 χ^2/NDF: 550934.7/34

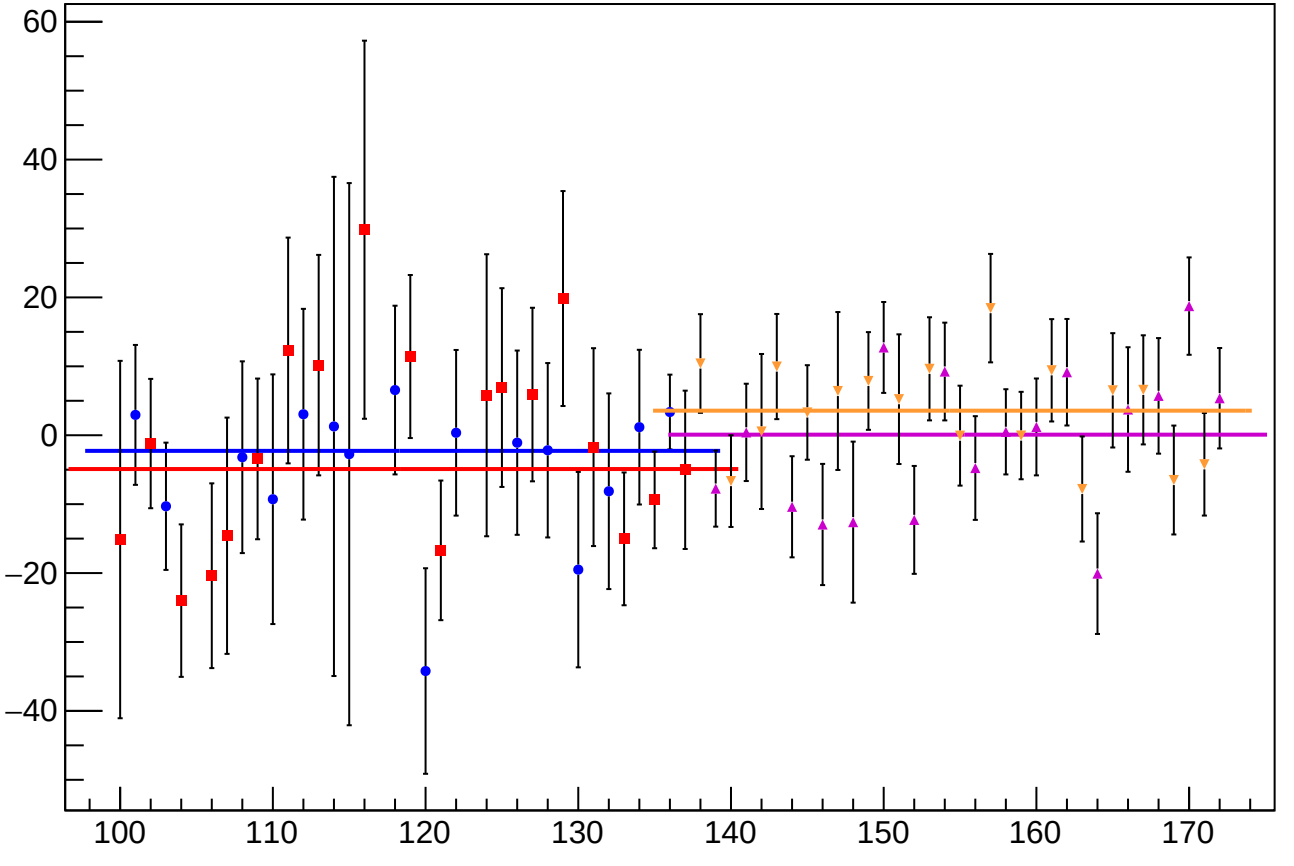
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 9970.779+/-1.577 χ^2/NDF:2256911.4/32

Out: 9992.436+/-1.568 χ^2/NDF:2615459.4/36

All: 9981.665+/-1.112 χ^2/NDF: 4872465.7/69

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.565+/-1.811 χ^2/NDF:15.2/17

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: 1.810+/-1.275 χ^2/NDF: 47.5/34

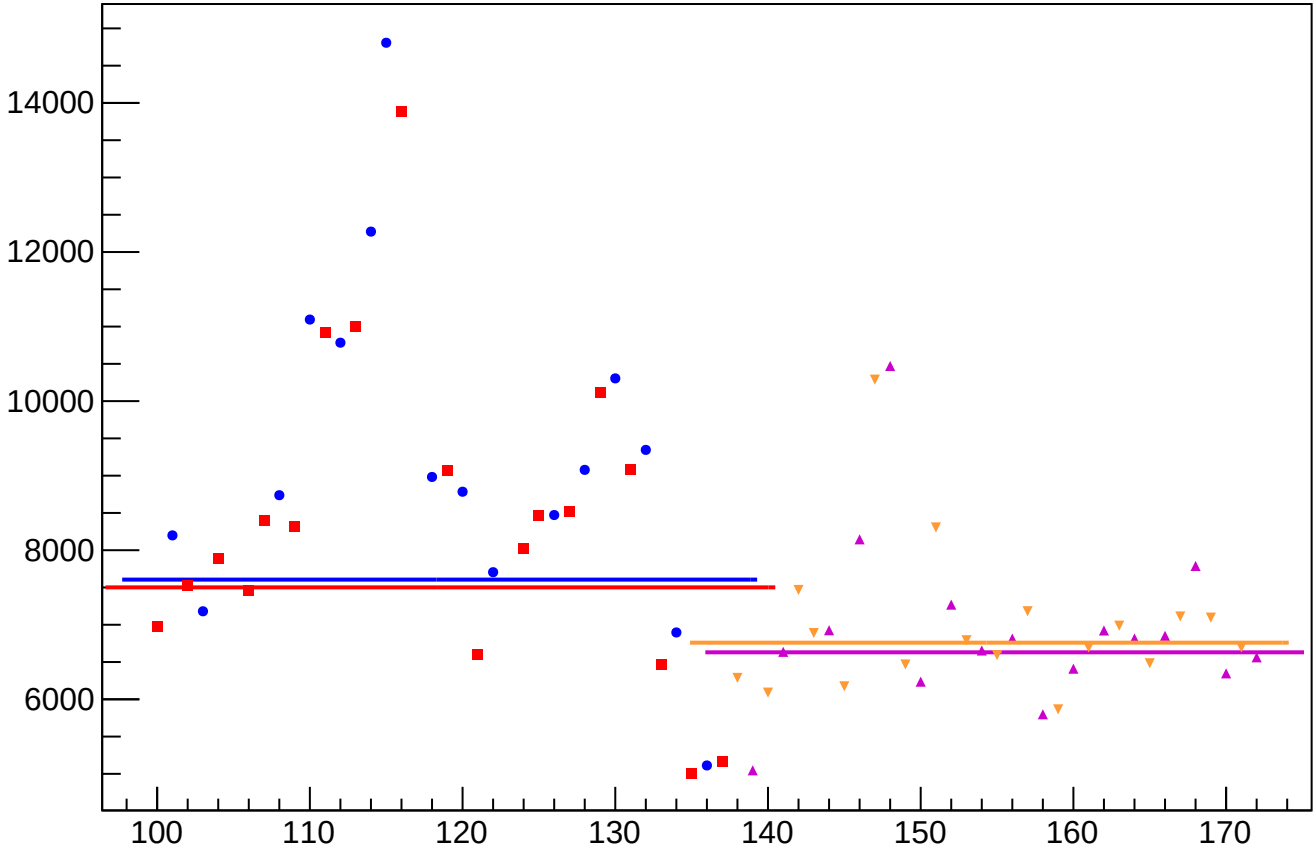
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -0.561+/-1.530 χ^2/NDF:40.3/32

Out: 1.112+/-1.526 χ^2/NDF:39.1/36

All: 0.278+/-1.081 χ^2/NDF: 79.9/69

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6759.759+/-1.280 χ^2/NDF:357609.8/17

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: 6694.514+/-0.902 χ^2/NDF: 912339.0/34

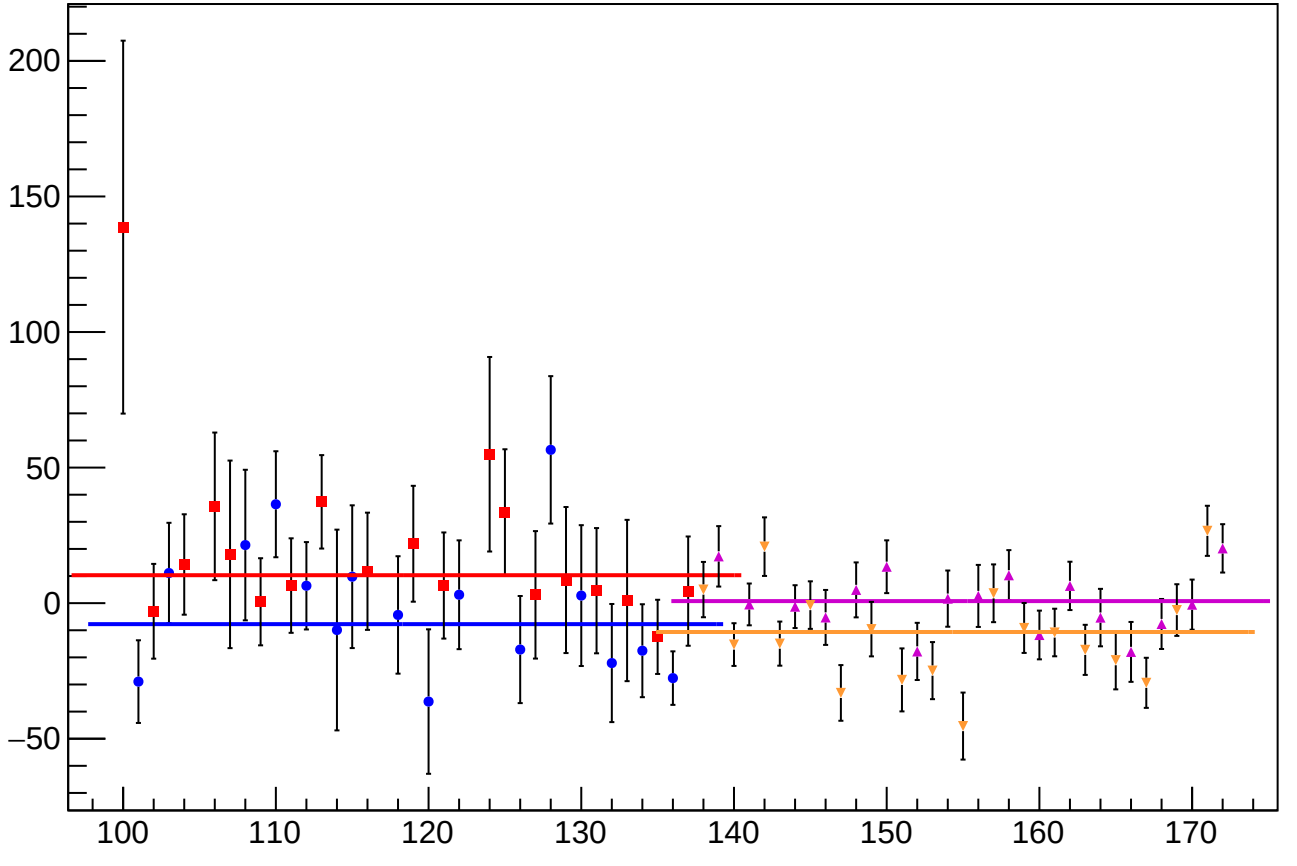
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6897.745+/-1.082 χ^2/NDF:1602817.9/32

Out: 6974.564+/-1.079 χ^2/NDF:1278370.2/36

All: 6936.253+/-0.764 χ^2/NDF: 2883715.3/69

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -10.638+/-2.275 χ^2/NDF:54.0/17

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: -5.039+/-1.623 χ^2/NDF: 86.2/34

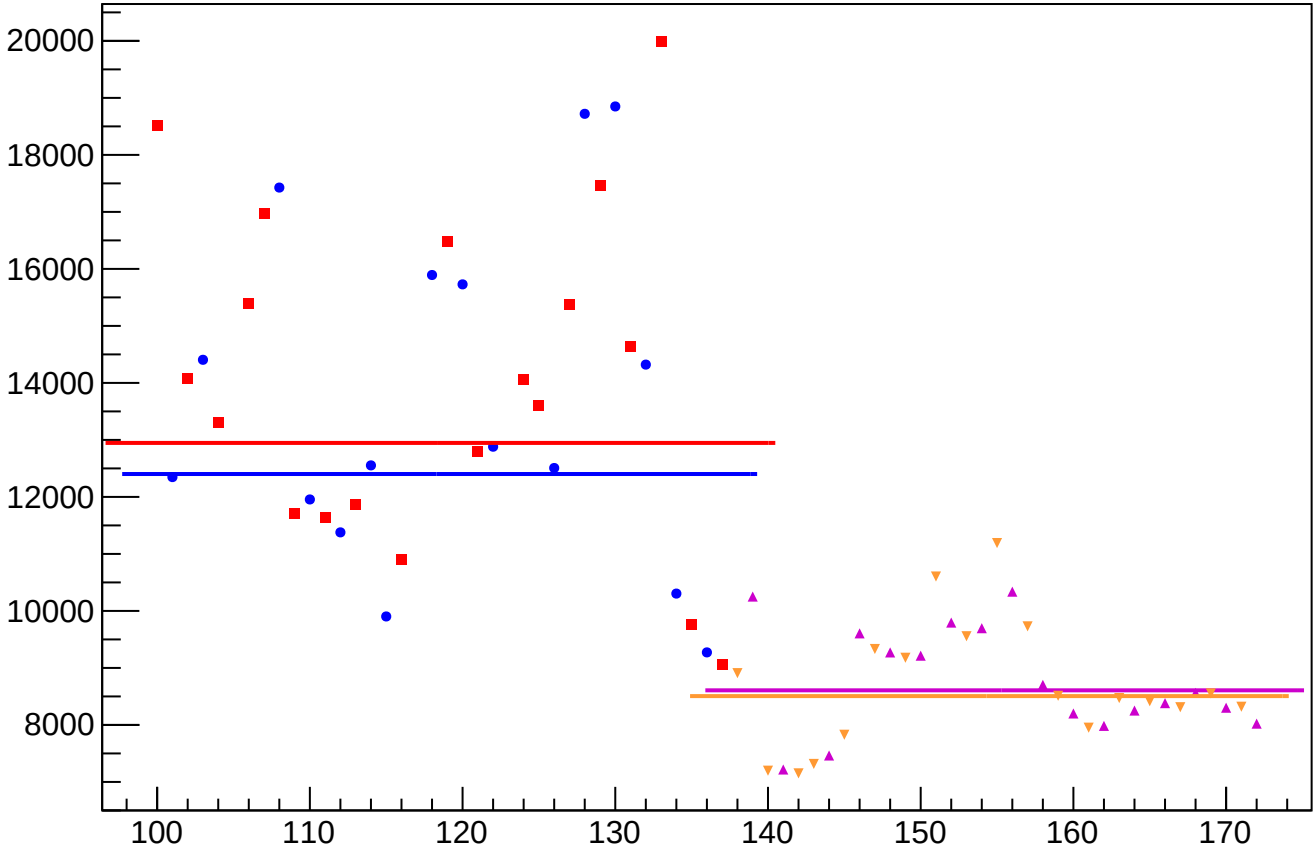
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -0.875+/-2.081 χ^2/NDF:45.1/32

Out: -6.847+/-2.059 χ^2/NDF:83.2/36

All: -3.892+/-1.464 χ^2/NDF: 132.5/69

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8505.725+/-1.609 χ^2/NDF:382222.8/17

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: 8555.584+/-1.147 χ^2/NDF: 691659.5/34

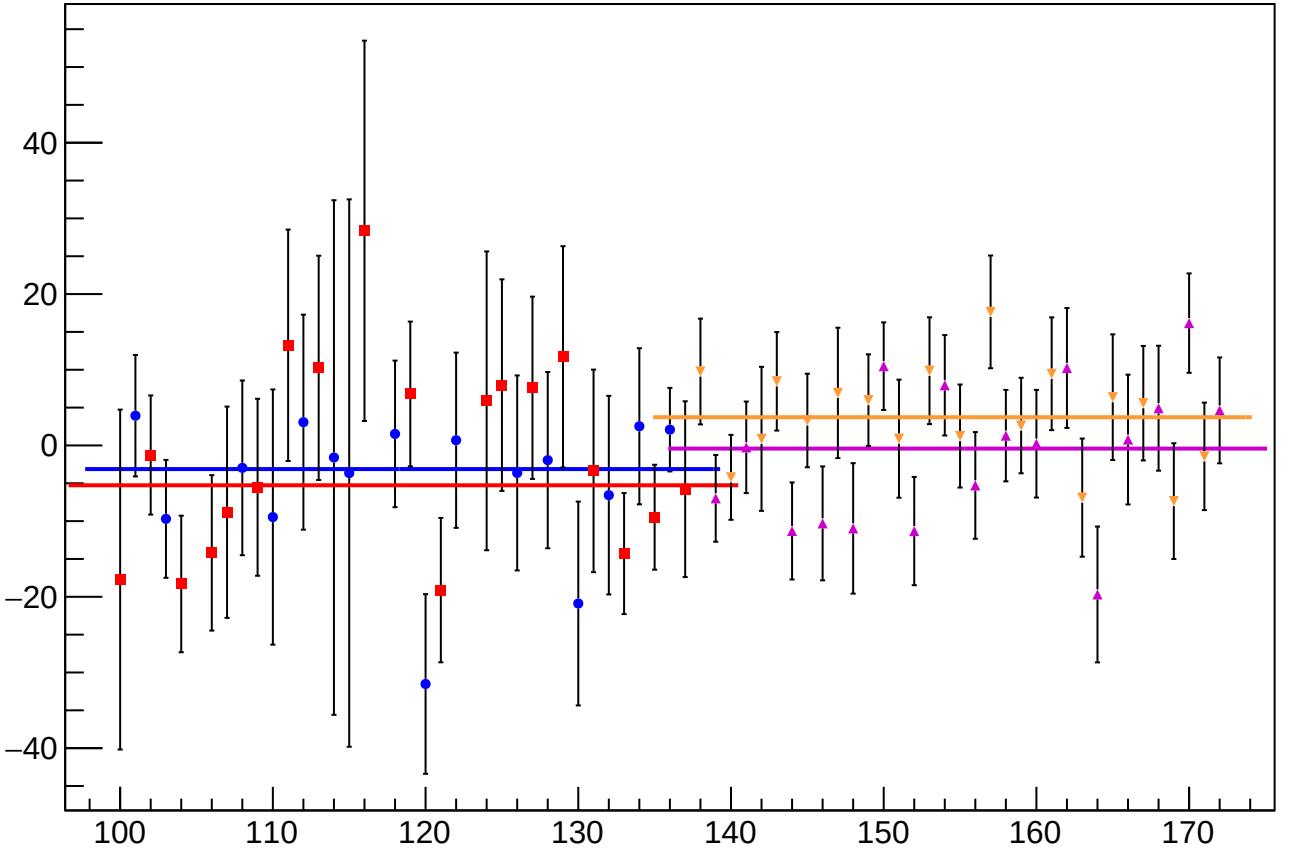
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 9335.920+/-1.471 χ^2/NDF:2017823.3/32

Out: 9309.665+/-1.456 χ^2/NDF:2316969.9/36

All: 9322.655+/-1.035 χ^2/NDF: 4334954.0/69

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.727+/-1.670 χ^2/NDF:13.4/17

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: 1.672+/-1.186 χ^2/NDF: 45.7/34

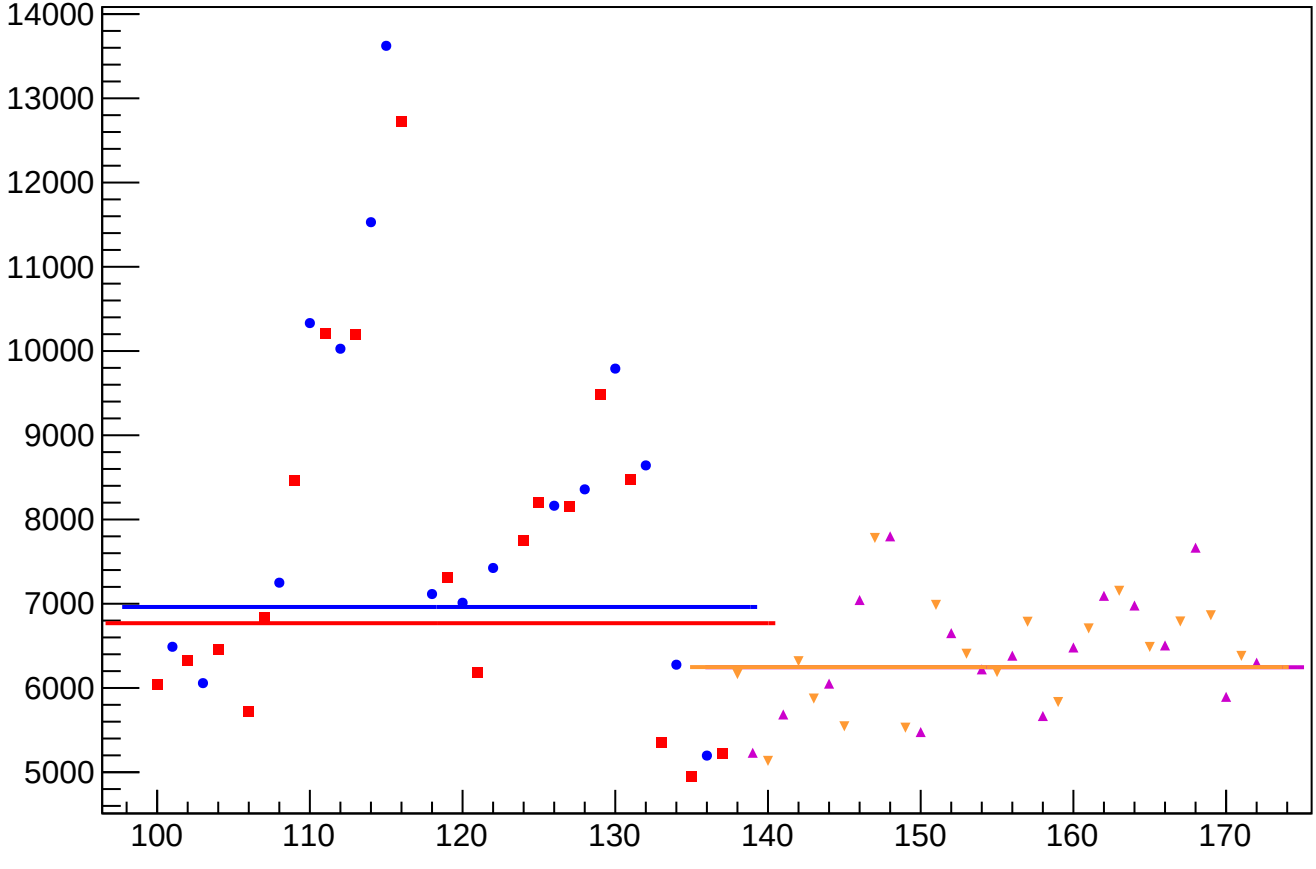
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -1.191+/-1.422 χ^2/NDF:40.8/32

Out: 1.032+/-1.398 χ^2/NDF:39.0/36

All: -0.061+/-0.997 χ^2/NDF: 81.1/69

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6247.994+/-1.181 χ^2/NDF:301413.5/17

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: 6247.050+/-0.838 χ^2/NDF: 636814.9/34

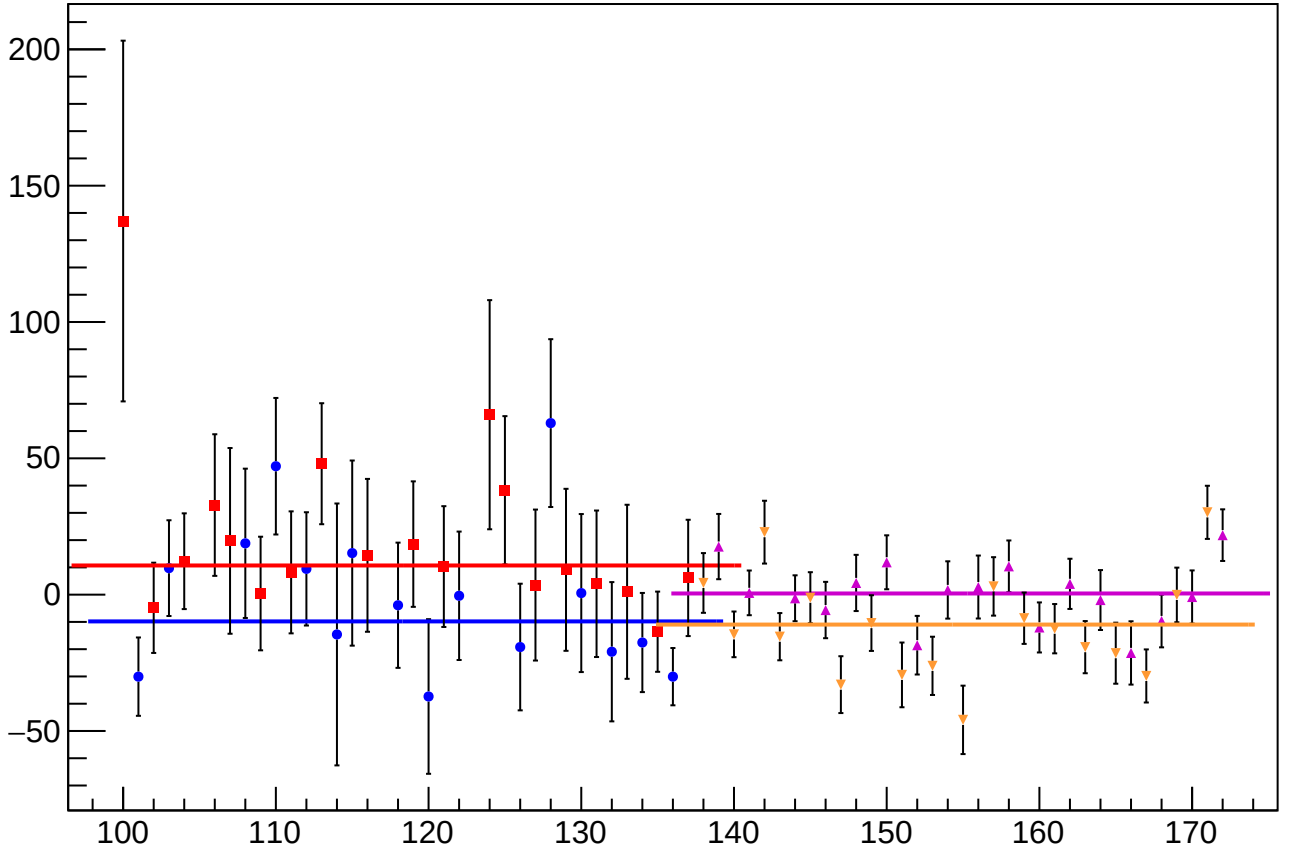
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6451.175+/-1.005 χ^2/NDF:1135381.3/32

Out: 6404.165+/-0.988 χ^2/NDF:1157841.1/36

All: 6427.270+/-0.705 χ^2/NDF: 2294334.2/69

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -10.973+/-2.370 χ^2/NDF:55.0/17

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: -5.351+/-1.688 χ^2/NDF: 86.4/34

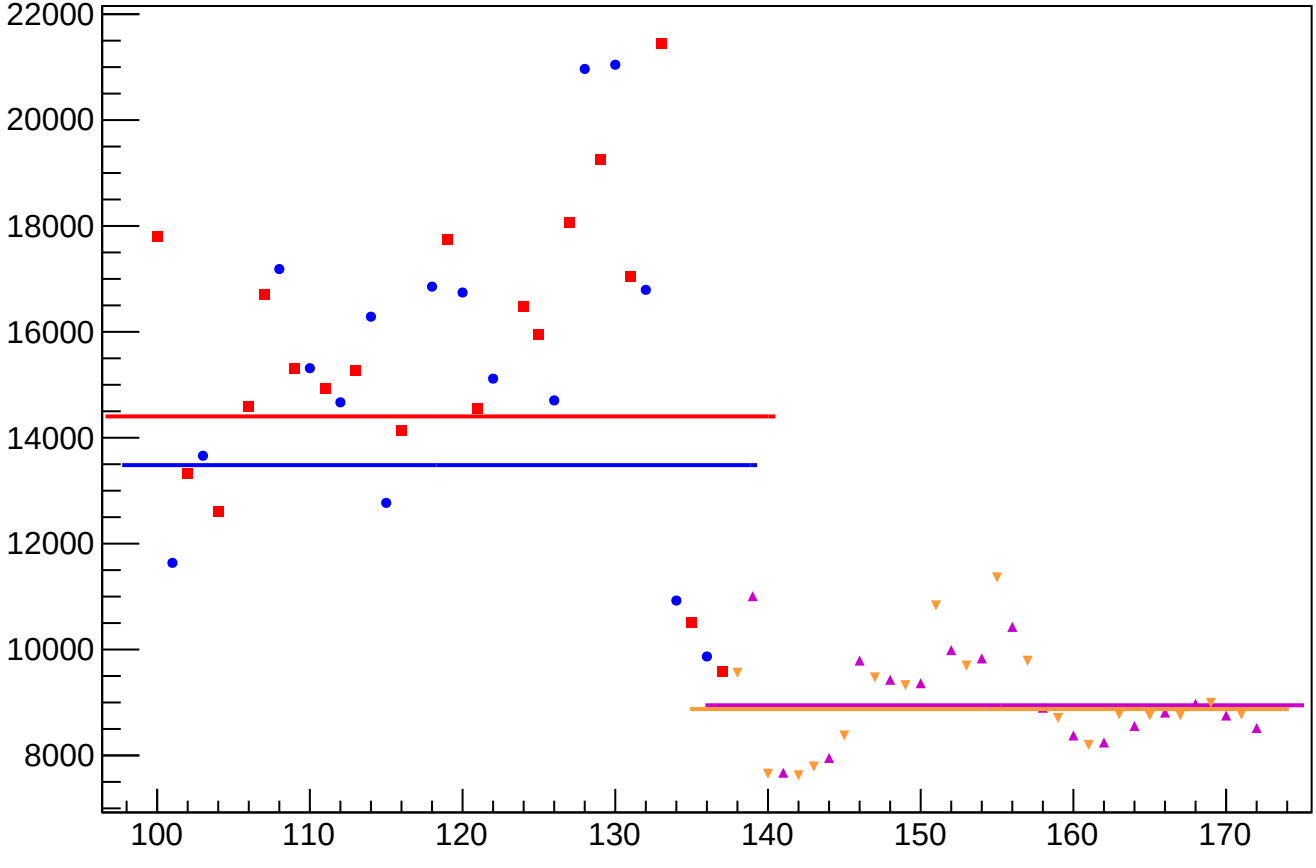
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -1.383+/-2.180 χ^2/NDF:45.2/32

Out: -7.451+/-2.169 χ^2/NDF:82.9/36

All: -4.433+/-1.538 χ^2/NDF: 132.0/69

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8875.325+/-1.676 χ^2/NDF:294091.2/17

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 8946.929+/-1.700 χ^2/NDF:249832.5/16

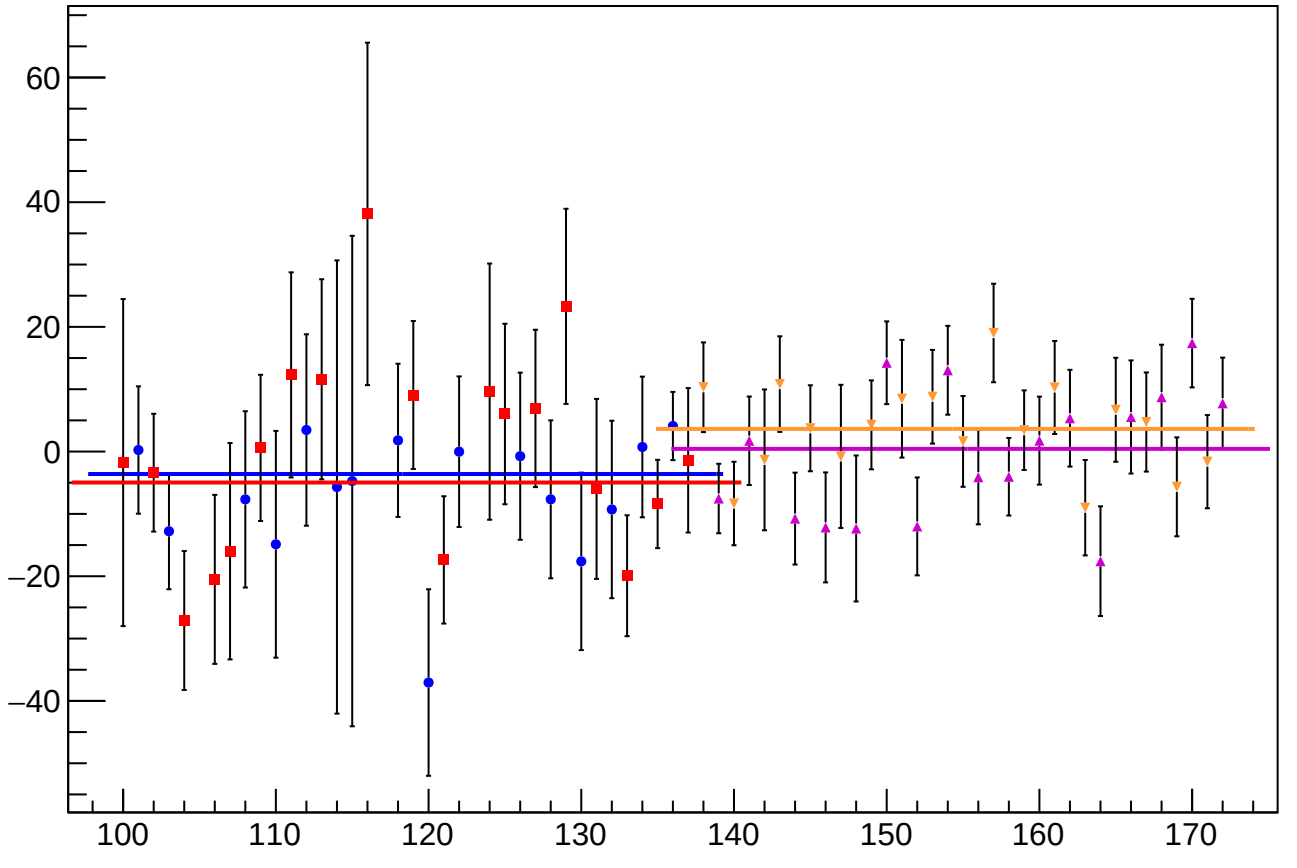
Left: 8910.620+/-1.193 χ^2/NDF: 544823.6/34

Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

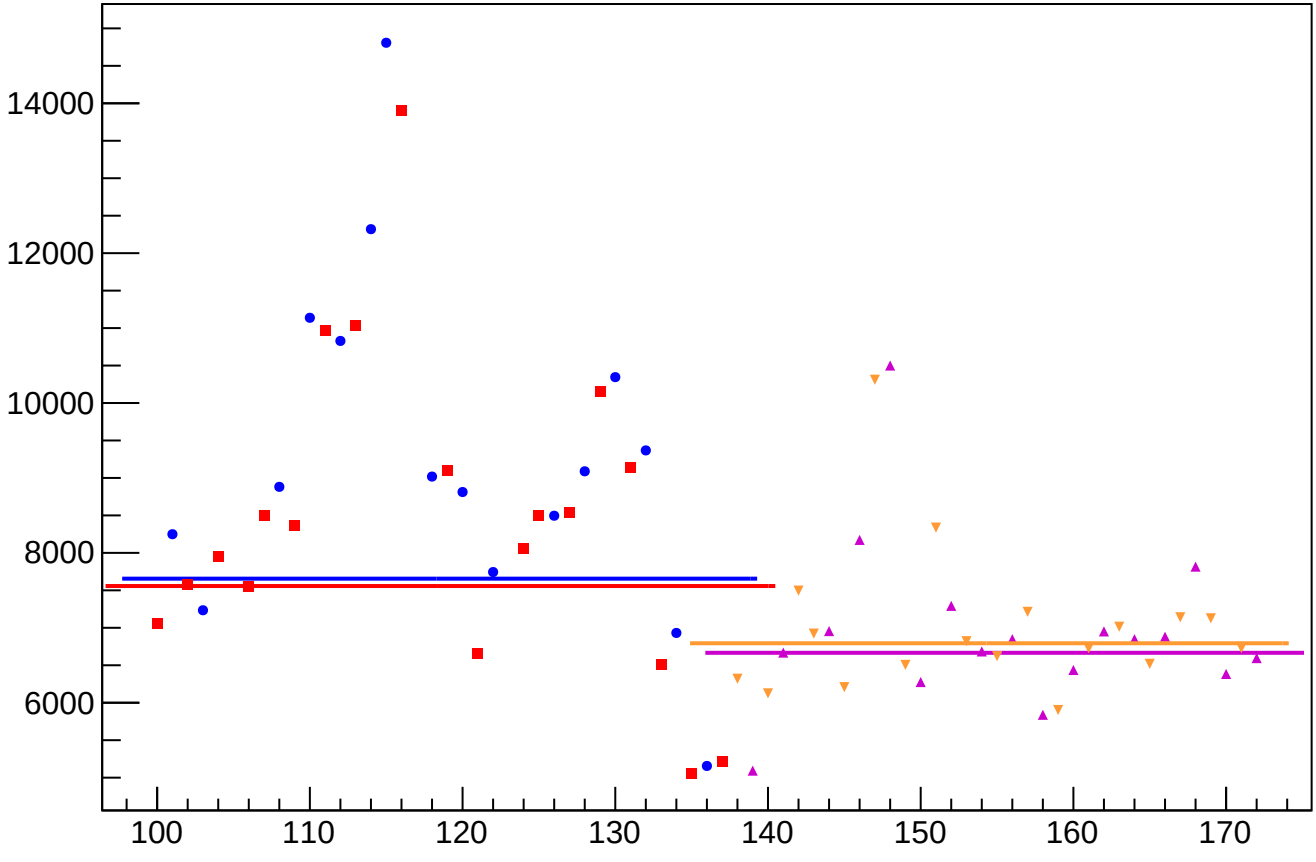
In: 9751.159+/-1.542 χ^2/NDF:2256158.4/32

Out: 9773.477+/-1.534 χ^2/NDF:2614157.7/36

All: 9762.376+/-1.087 χ^2/NDF: 4870421.5/69


diff_bpm4acY_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
Right In: -3.605+/-2.940 χ²/NDF: 10.5/15
Left Out: 3.632+/-1.819 χ²/NDF:15.4/17
Right Out: -4.965+/-2.855 χ²/NDF: 21.4/18
Left In: 0.433+/-1.805 χ²/NDF:31.1/16
Left: 2.020+/-1.281 χ²/NDF: 48.1/34
Right: -4.305+/-2.048 χ²/NDF: 32.0/34
In: -0.672+/-1.538 χ²/NDF:42.9/32
Out: 1.149+/-1.534 χ²/NDF:43.3/36
All: 0.241+/-1.086 χ²/NDF: 86.9/69

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6793.633+/-1.287 χ^2/NDF:352955.9/17

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: 6729.432+/-0.906 χ^2/NDF: 896784.5/34

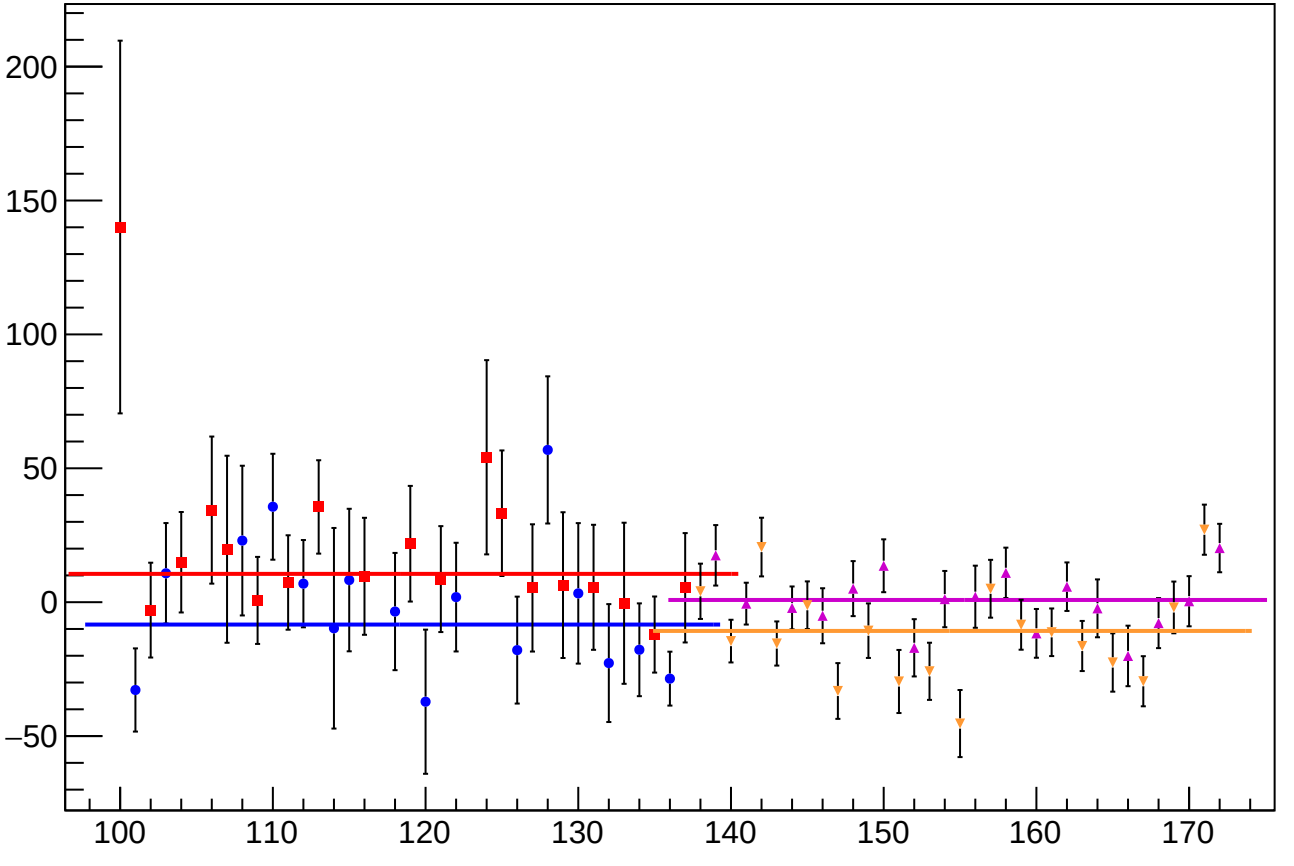
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 6937.175+/-1.088 χ^2/NDF:1583227.0/32

Out: 7014.202+/-1.085 χ^2/NDF:1264614.2/36

All: 6975.787+/-0.768 χ^2/NDF: 2850354.9/69

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -10.731+/-2.305 χ^2/NDF:53.7/17

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: -5.057+/-1.645 χ^2/NDF: 85.6/34

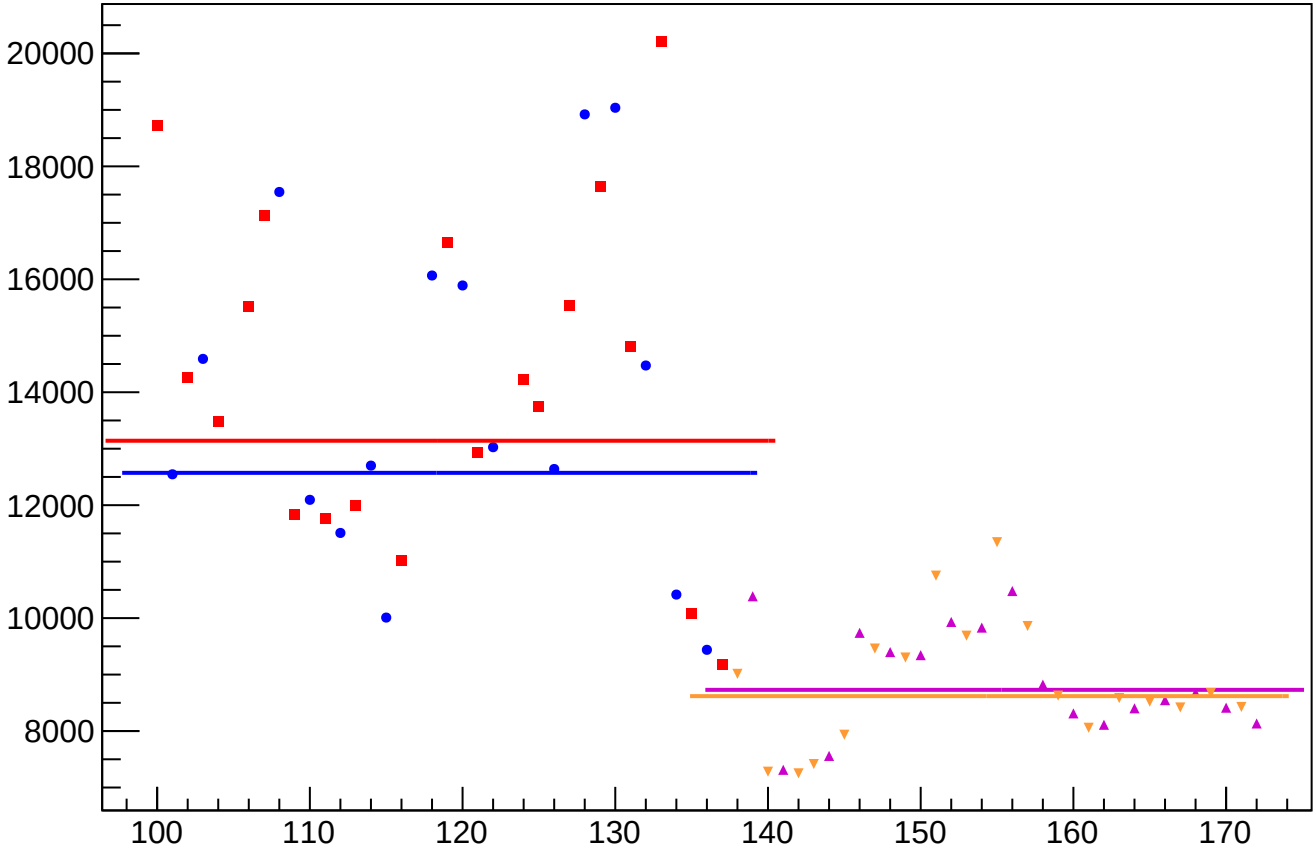
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -0.935+/-2.111 χ^2/NDF:45.8/32

Out: -6.884+/-2.087 χ^2/NDF:82.0/36

All: -3.943+/-1.484 χ^2/NDF: 131.8/69

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8618.239+/-1.630 χ^2/NDF:383813.4/17

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: 8672.987+/-1.163 χ^2/NDF: 693109.2/34

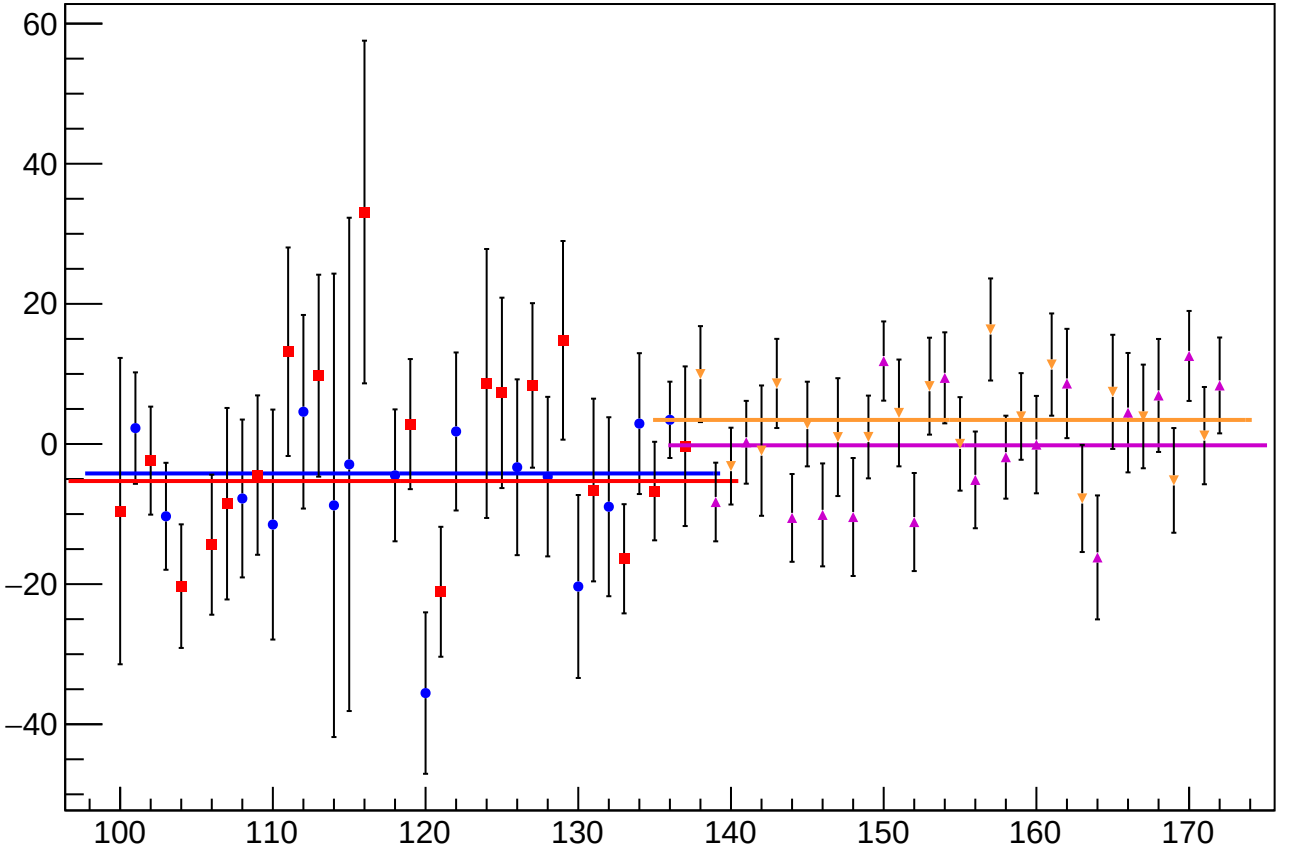
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 9468.552+/-1.492 χ^2/NDF:2001549.3/32

Out: 9435.015+/-1.476 χ^2/NDF:2308697.0/36

All: 9451.594+/-1.049 χ^2/NDF: 4310501.6/69

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.435+/-1.634 χ^2/NDF:12.4/17

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: 1.640+/-1.160 χ^2/NDF: 43.9/34

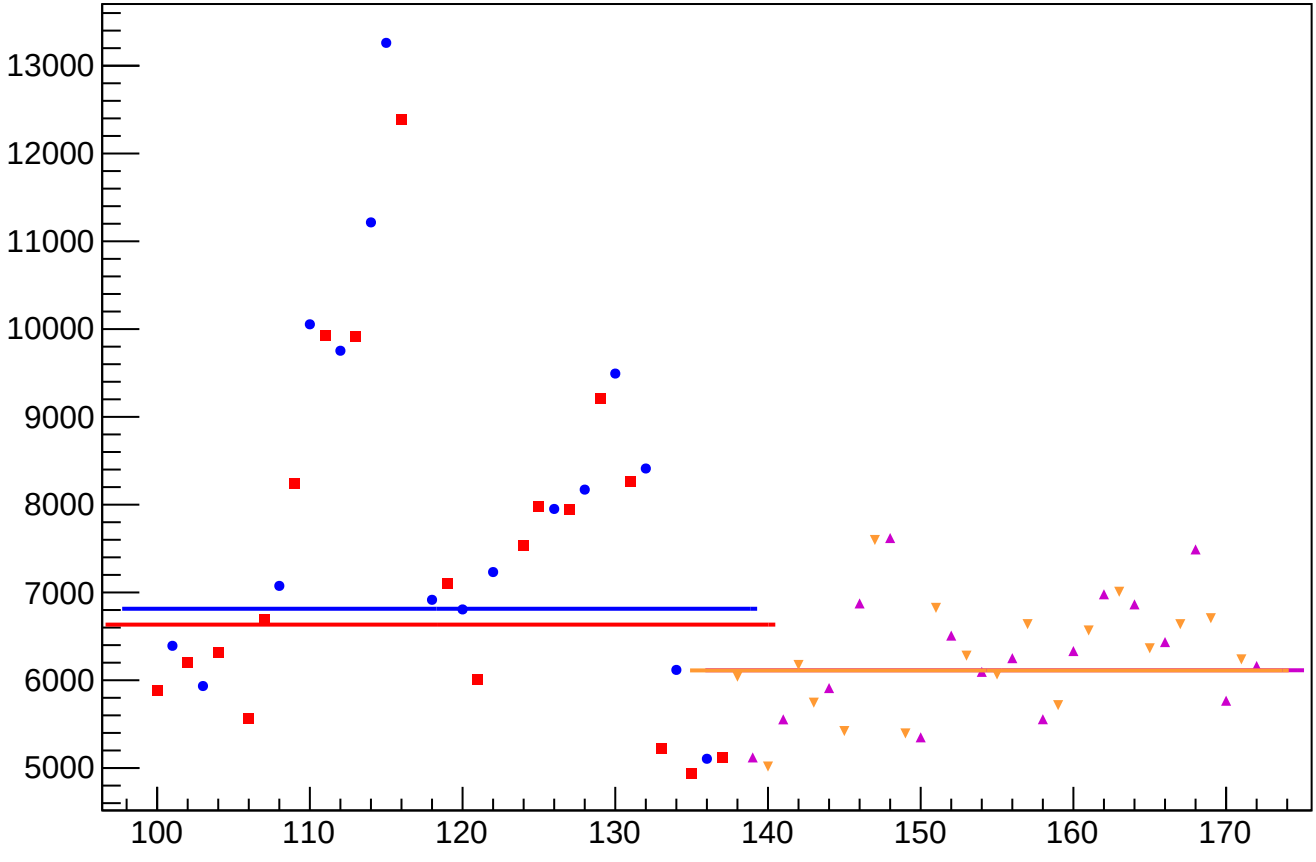
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -1.338+/-1.392 χ^2/NDF:44.6/32

Out: 0.827+/-1.368 χ^2/NDF:40.7/36

All: -0.237+/-0.976 χ^2/NDF: 86.5/69

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6112.012+/-1.155 χ^2/NDF:302844.5/17

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: 6112.883+/-0.821 χ^2/NDF: 640355.8/34

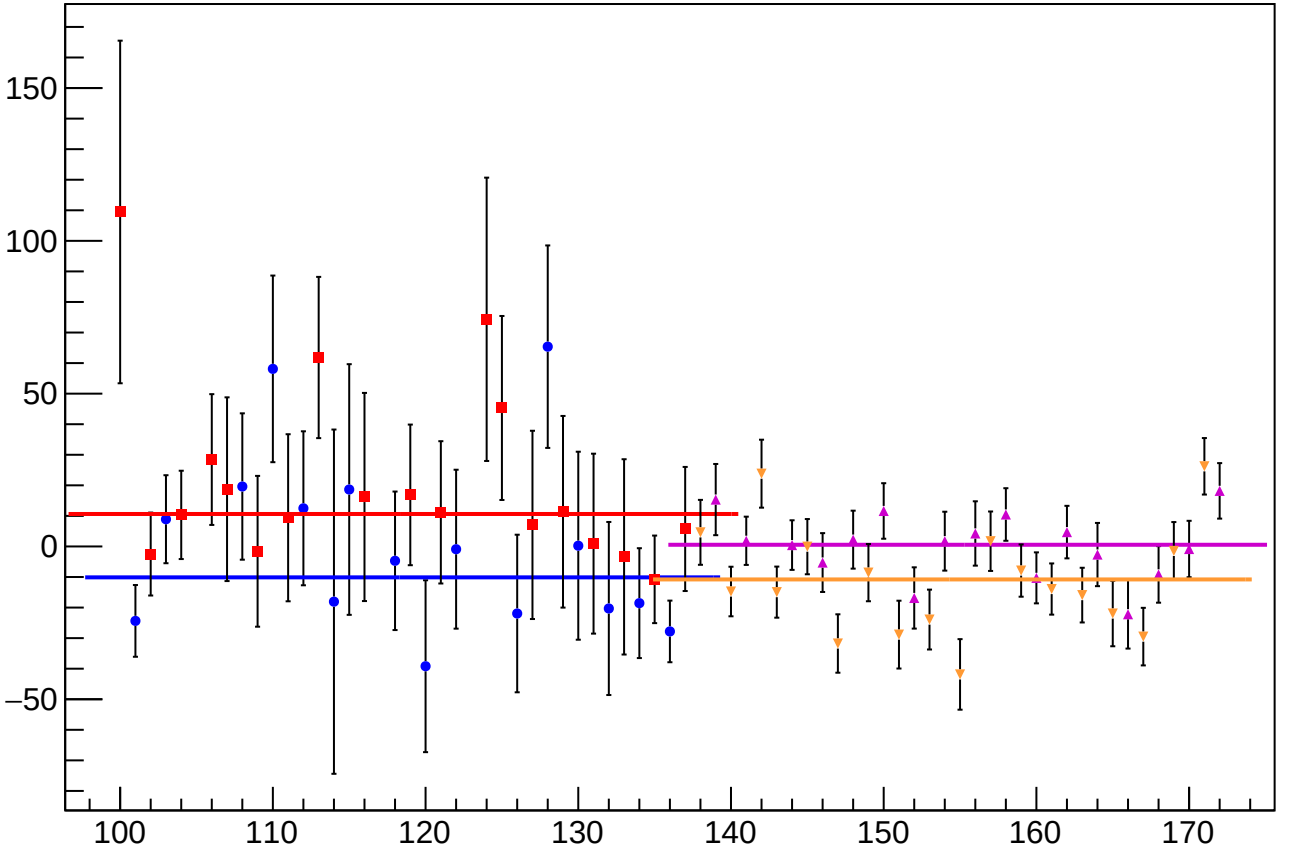
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6314.556+/-0.984 χ^2/NDF:1115145.2/32

Out: 6267.996+/-0.967 χ^2/NDF:1127143.2/36

All: 6290.870+/-0.690 χ^2/NDF: 2243426.4/69

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -10.793+/-2.231 χ^2/NDF:54.5/17

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 0.550+/-2.255 χ^2/NDF:19.0/16

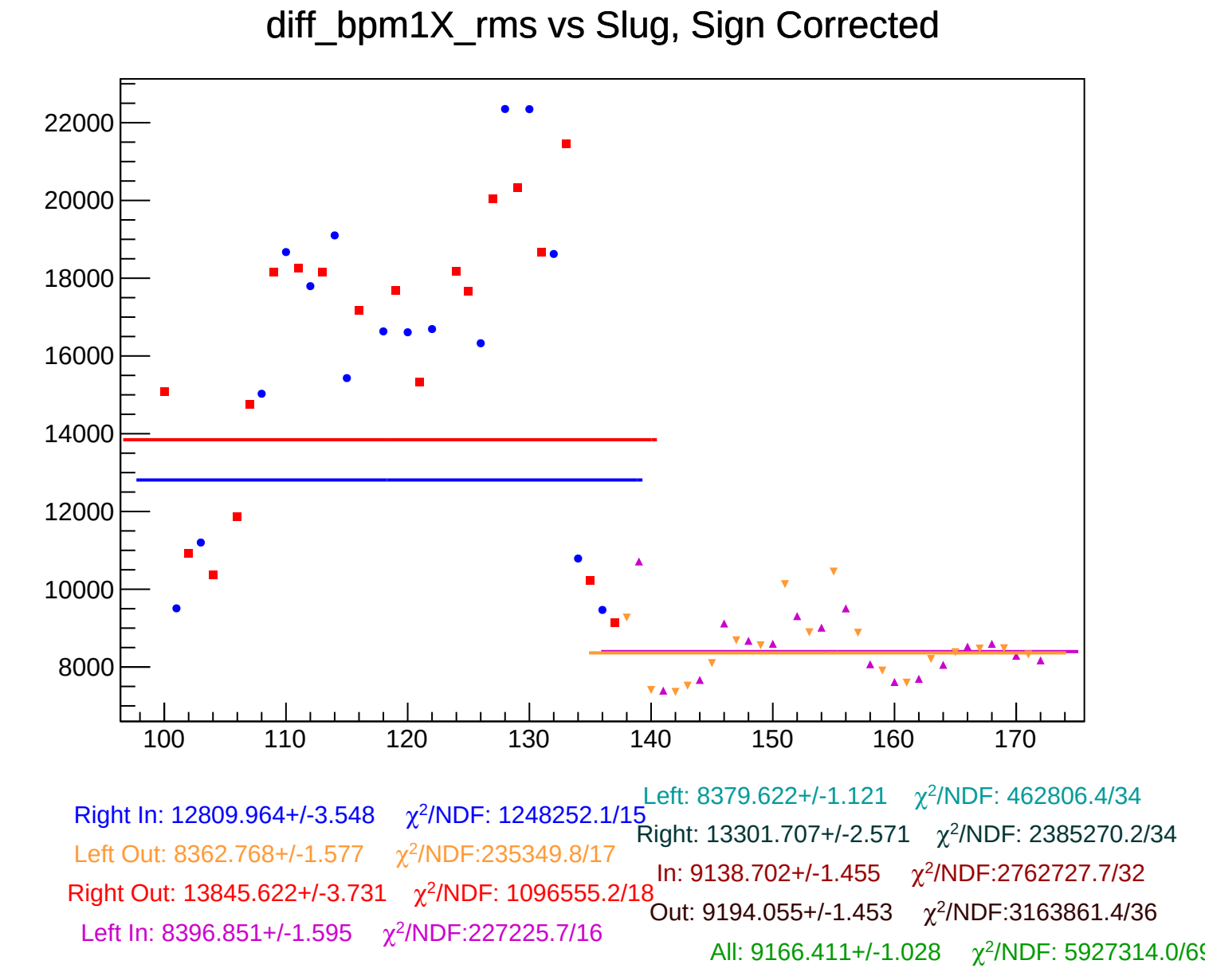
Left: -5.184+/-1.586 χ^2/NDF: 86.3/34

Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

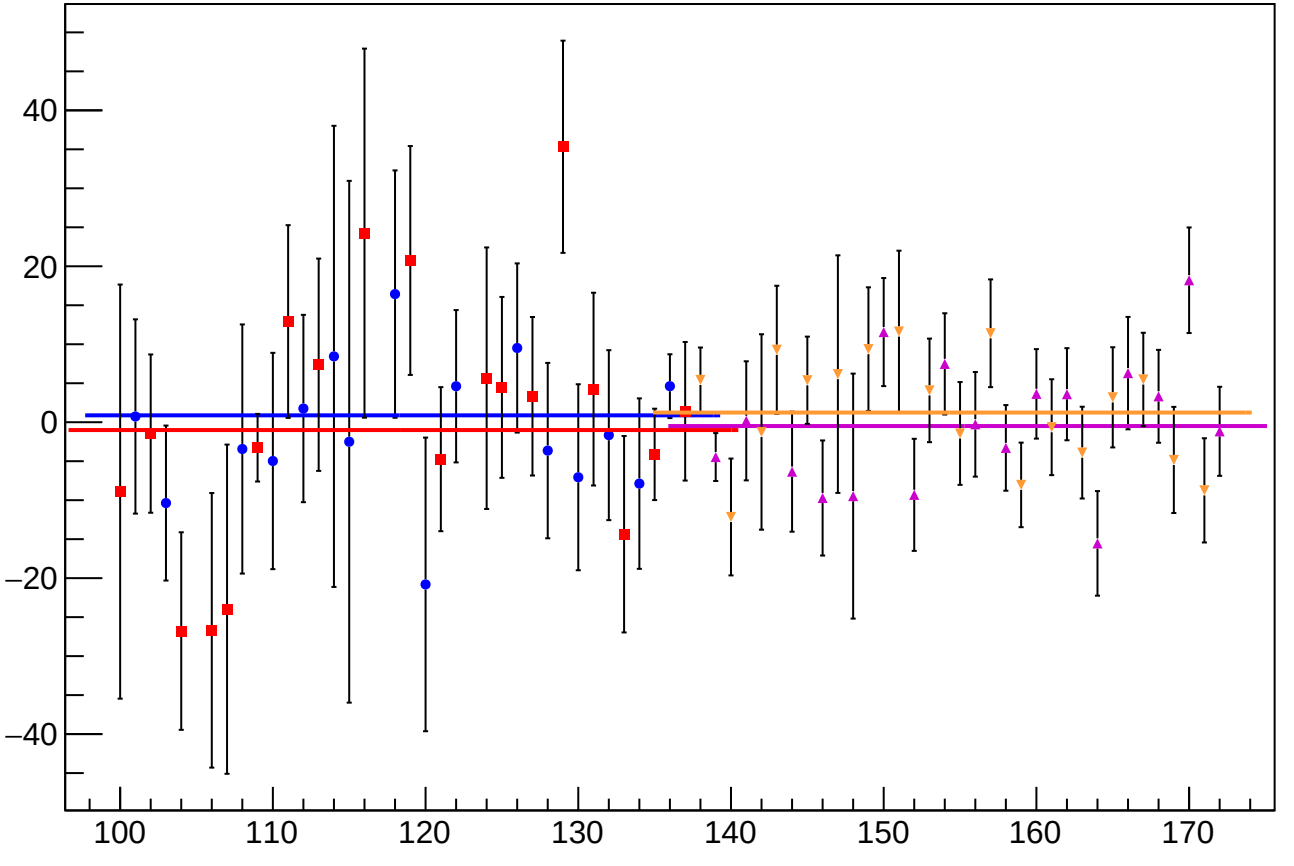
In: -1.242+/-2.057 χ^2/NDF:44.0/32

Out: -7.546+/-2.055 χ^2/NDF:83.2/36

All: -4.398+/-1.454 χ^2/NDF: 132.0/69


diff_bpm1X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 12809.964+/-3.548 χ²/NDF: 1248252.1/15
Left Out: 8362.768+/-1.577 χ²/NDF:235349.8/17
Right Out: 13845.622+/-3.731 χ²/NDF: 1096555.2/18
Left In: 8396.851+/-1.595 χ²/NDF:227225.7/16
Left: 8379.622+/-1.121 χ²/NDF: 462806.4/34
Right: 13301.707+/-2.571 χ²/NDF: 2385270.2/34
In: 9138.702+/-1.455 χ²/NDF:2762727.7/32
Out: 9194.055+/-1.453 χ²/NDF:3163861.4/36
All: 9166.411+/-1.028 χ²/NDF: 5927314.0/69

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.882+/-2.566 χ^2/NDF: 6.8/15

Left Out: 1.240+/-1.561 χ^2/NDF:17.8/17

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: 0.322+/-1.070 χ^2/NDF: 43.9/34

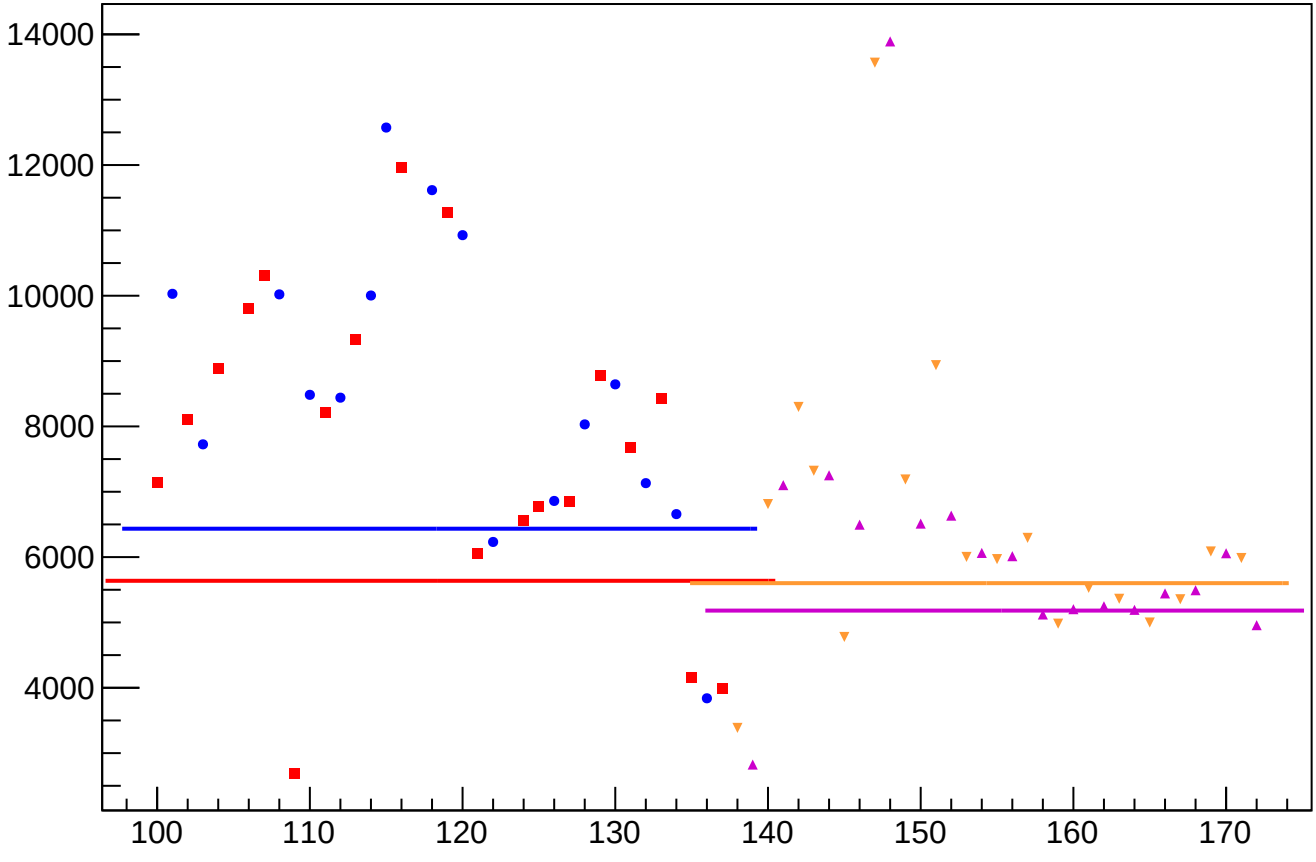
Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -0.152+/-1.276 χ^2/NDF:32.5/32

Out: 0.537+/-1.294 χ^2/NDF:40.8/36

All: 0.188+/-0.908 χ^2/NDF: 73.4/69

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5601.263+/-1.104 χ^2/NDF:1779260.5/17

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5181.450+/-1.039 χ^2/NDF:2394128.3/16

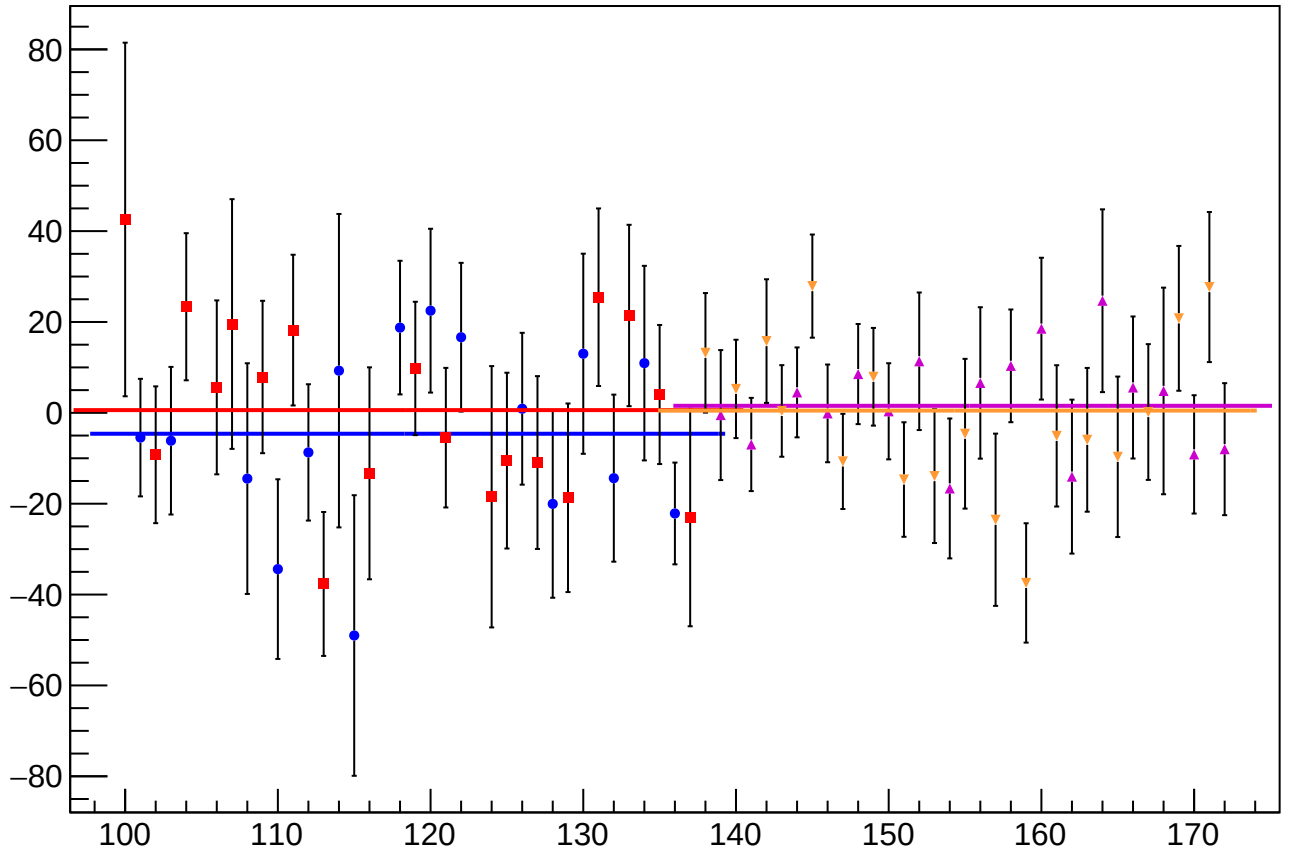
Left: 5378.771+/-0.757 χ^2/NDF: 4250059.3/34

Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

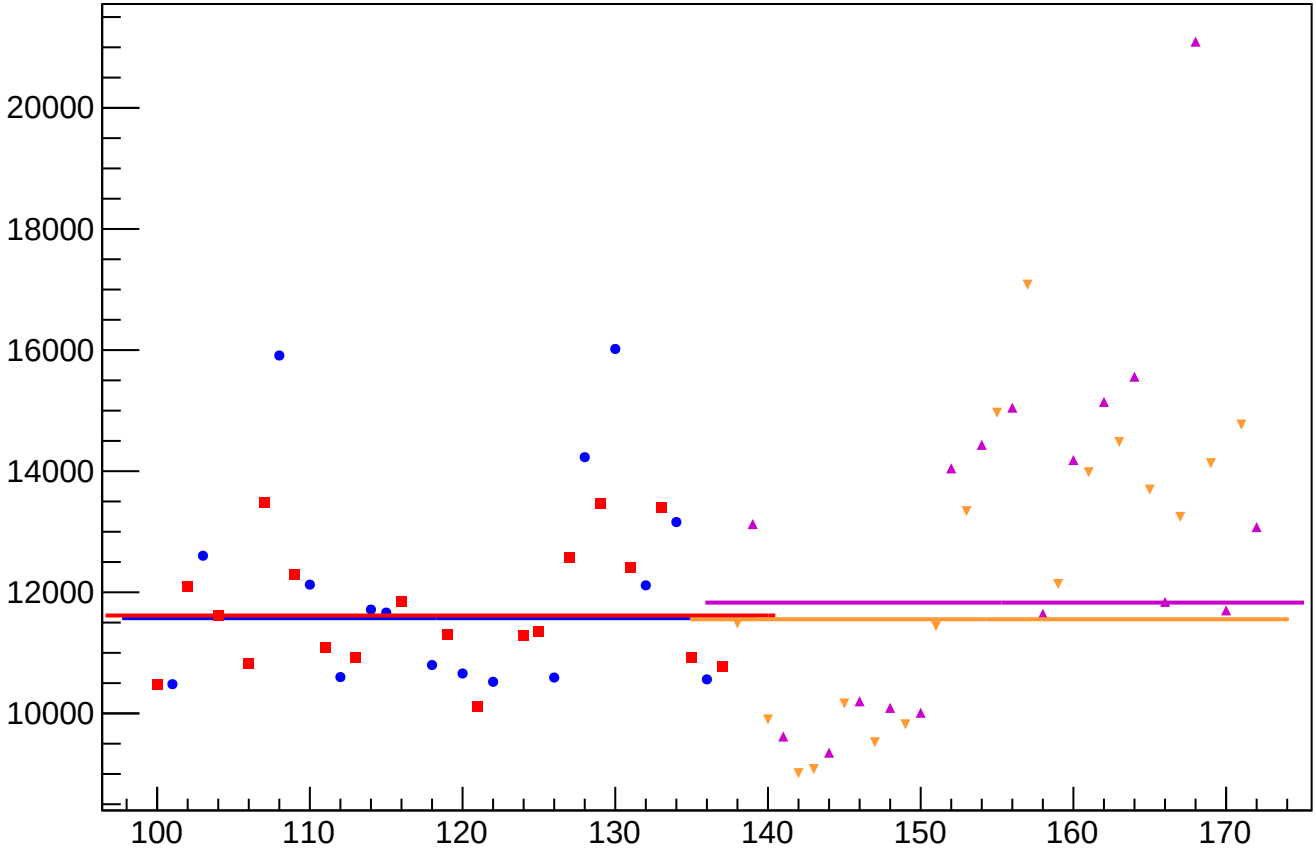
In: 5491.070+/-0.902 χ^2/NDF:4503839.7/32

Out: 5612.547+/-0.915 χ^2/NDF:4359608.3/36

All: 5550.934+/-0.642 χ^2/NDF: 8872387.4/69


diff_bpm11X_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: -4.602+/-4.355 χ²/NDF: 15.8/15
Left Out: 0.500+/-3.137 χ²/NDF:27.2/17
Right Out: 0.600+/-4.266 χ²/NDF: 17.9/18
Left In: 1.549+/-3.231 χ²/NDF:8.2/16
Left: 1.009+/-2.250 χ²/NDF: 35.5/34
Right: -1.948+/-3.048 χ²/NDF: 34.4/34
In: -0.635+/-2.595 χ²/NDF:25.3/32
Out: 0.535+/-2.527 χ²/NDF:45.1/36
All: -0.034+/-1.810 χ²/NDF: 70.5/69

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11573.073+/-3.079 χ^2/NDF: 260067.0/15

Left Out: 11554.571+/-2.218 χ^2/NDF:983712.2/17

Right Out: 11616.773+/-3.017 χ^2/NDF: 93165.6/18

Left In: 11830.081+/-2.285 χ^2/NDF:1102564.6/16

Left: 11688.252+/-1.591 χ^2/NDF: 2093763.9/34

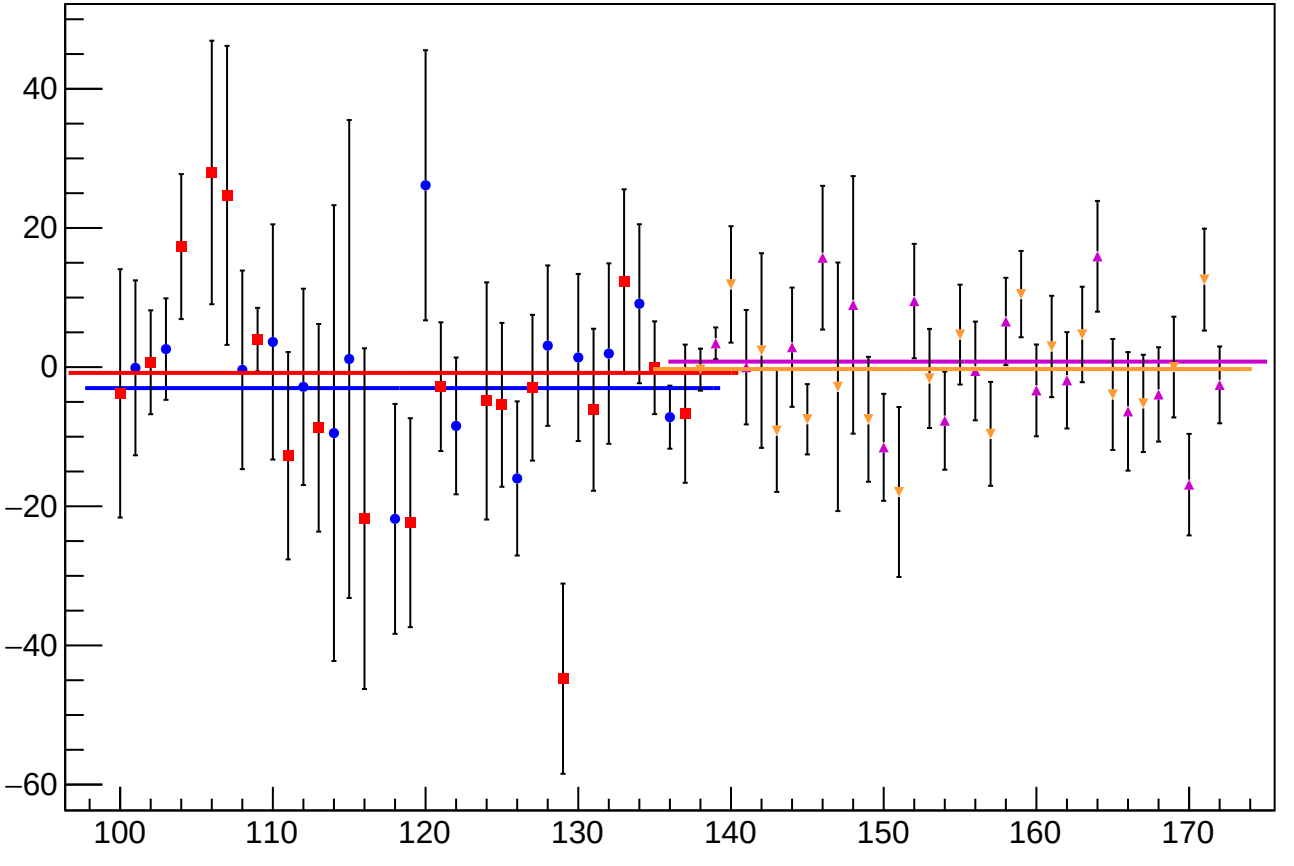
Right: 11595.370+/-2.155 χ^2/NDF: 353335.4/34

In: 11738.838+/-1.835 χ^2/NDF:1367124.7/32

Out: 11576.395+/-1.787 χ^2/NDF:1077153.8/36

All: 11655.476+/-1.280 χ^2/NDF: 2448301.4/6

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -0.275+/-1.580 χ^2/NDF:17.6/17

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: 0.305+/-1.068 χ^2/NDF: 39.1/34

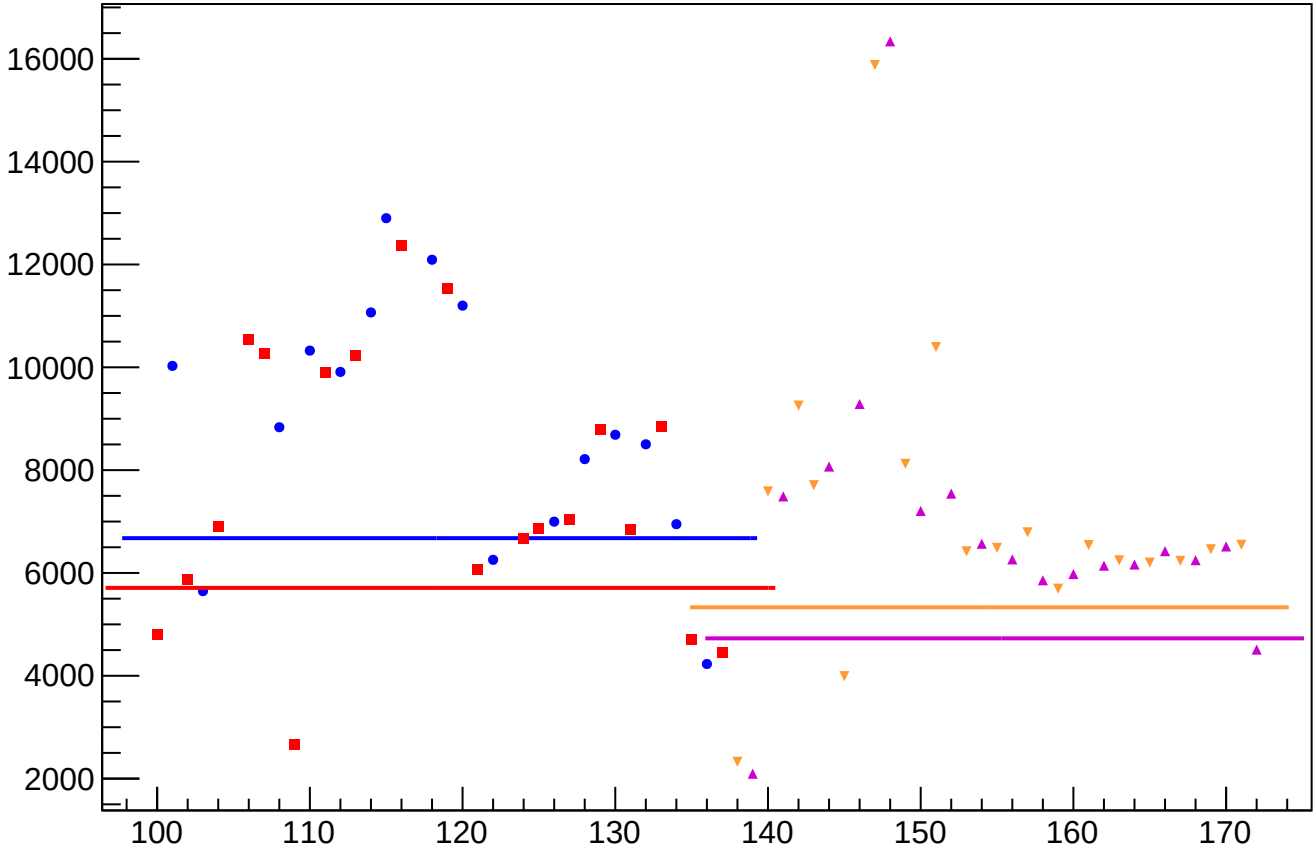
Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: -0.081+/-1.271 χ^2/NDF:31.5/32

Out: -0.448+/-1.312 χ^2/NDF:41.4/36

All: -0.259+/-0.913 χ^2/NDF: 73.0/69

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5332.011+/-1.117 χ^2/NDF:4237846.1/17

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: 5003.834+/-0.755 χ^2/NDF: 10029736.0/34

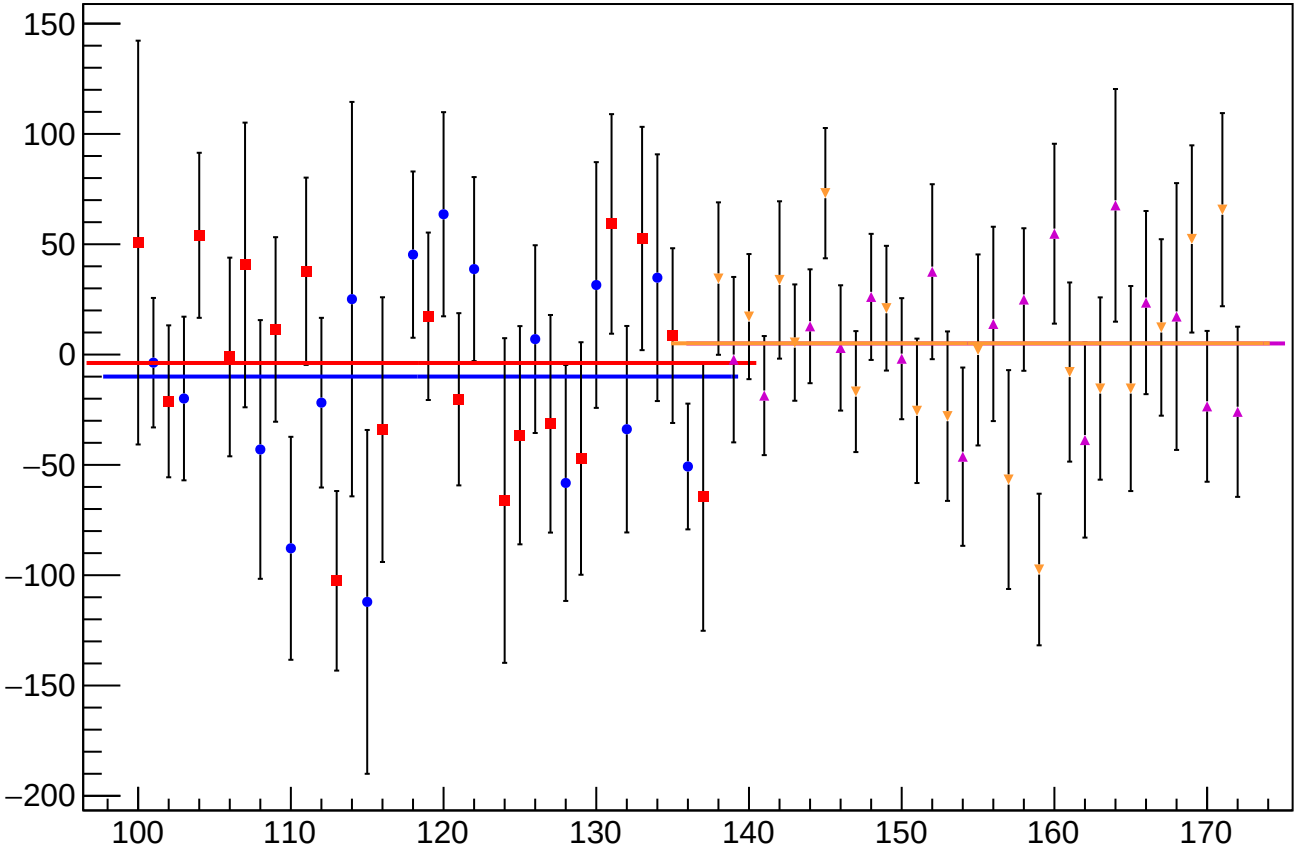
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 5175.284+/-0.899 χ^2/NDF:8036934.3/32

Out: 5449.527+/-0.927 χ^2/NDF:6574451.8/36

All: 5308.130+/-0.645 χ^2/NDF: 14656472.9/6

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 5.104+/-8.222 χ^2/NDF:23.6/17

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 5.039+/-8.465 χ^2/NDF:9.7/16

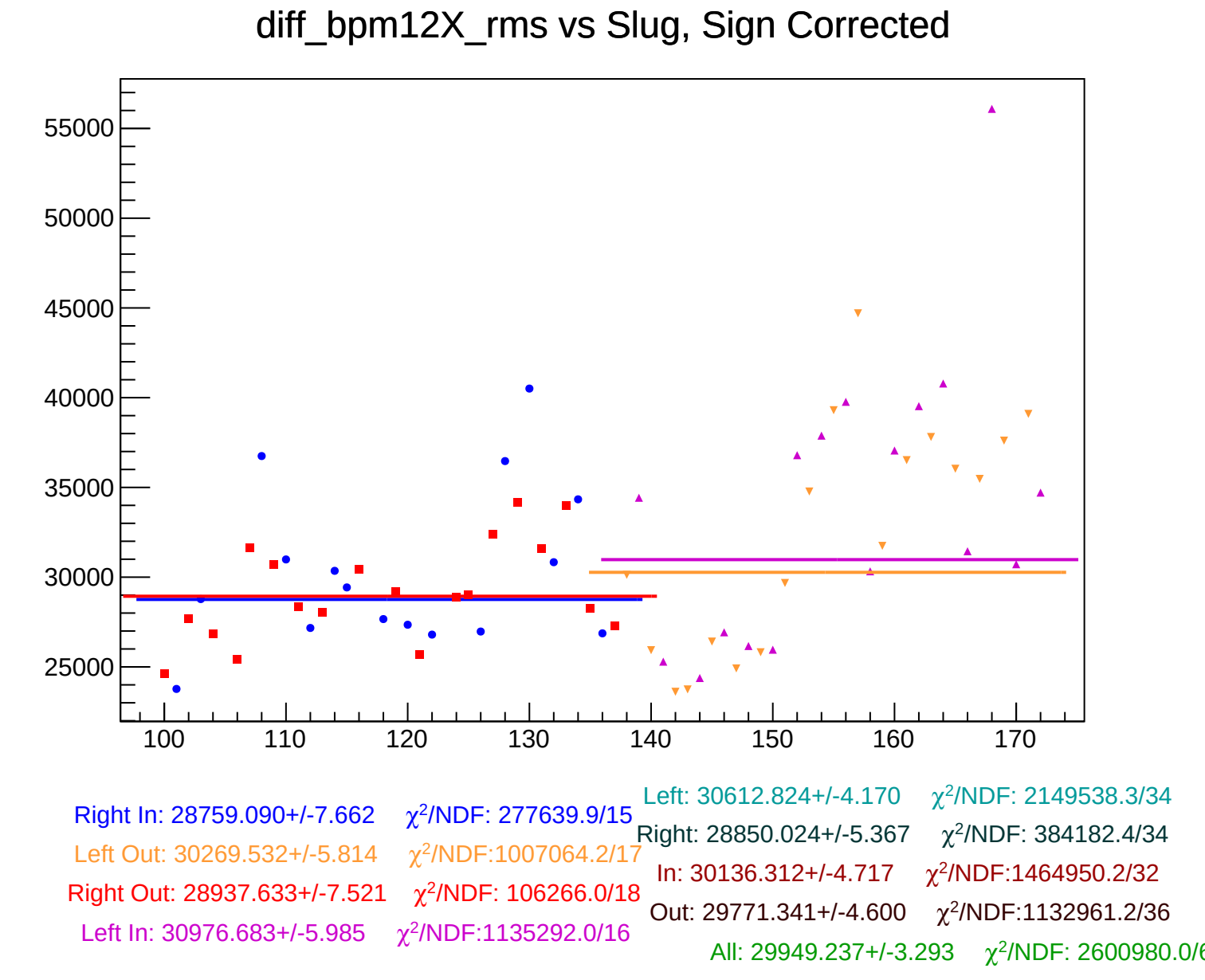
Left: 5.073+/-5.898 χ^2/NDF: 33.3/34

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

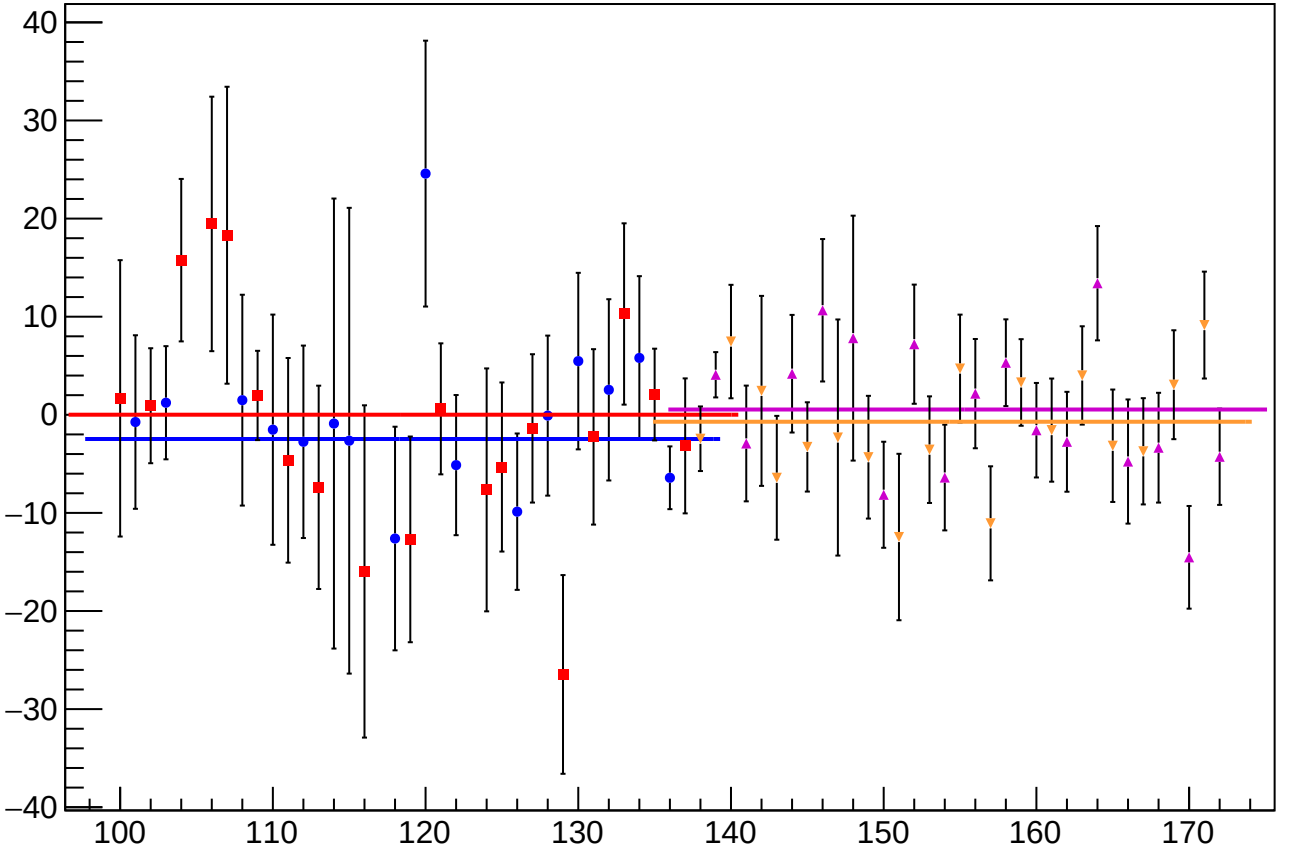
In: -0.648+/-6.671 χ^2/NDF:26.2/32

Out: 1.769+/-6.505 χ^2/NDF:41.4/36

All: 0.591+/-4.657 χ^2/NDF: 67.6/69


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: 30269.532+/-5.814 χ²/NDF:1007064.2/17
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 30976.683+/-5.985 χ²/NDF:1135292.0/16
Left: 30612.824+/-4.170 χ²/NDF: 2149538.3/34
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30136.312+/-4.717 χ²/NDF:1464950.2/32
Out: 29771.341+/-4.600 χ²/NDF:1132961.2/36
All: 29949.237+/-3.293 χ²/NDF: 2600980.0/6

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -0.708+/-1.283 χ^2/NDF:16.2/17

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: -0.043+/-0.876 χ^2/NDF: 44.6/34

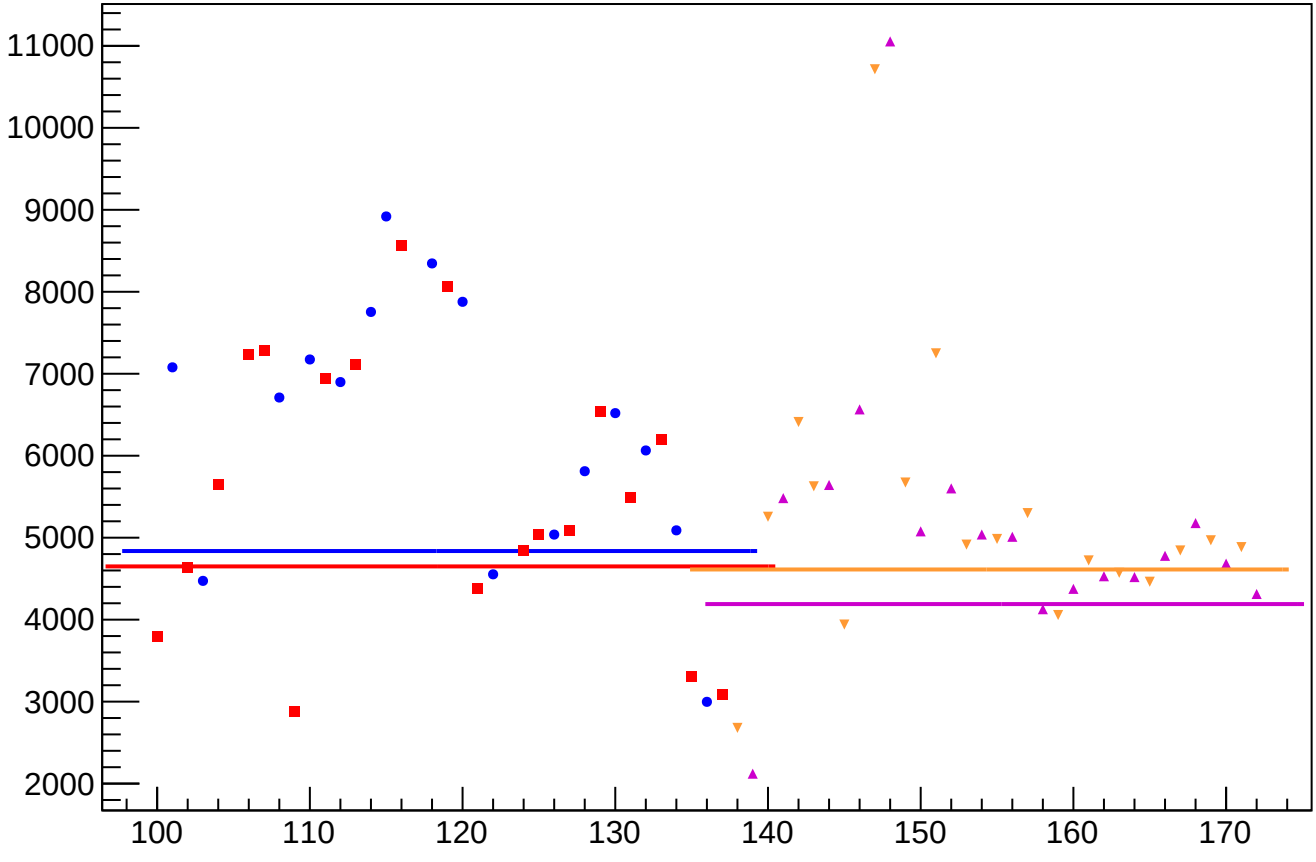
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: -0.308+/-1.017 χ^2/NDF:39.8/32

Out: -0.471+/-1.050 χ^2/NDF:36.2/36

All: -0.387+/-0.731 χ^2/NDF: 76.0/69

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4612.183+/-0.907 χ^2/NDF:1737547.1/17

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: 4386.928+/-0.620 χ^2/NDF: 4864140.8/34

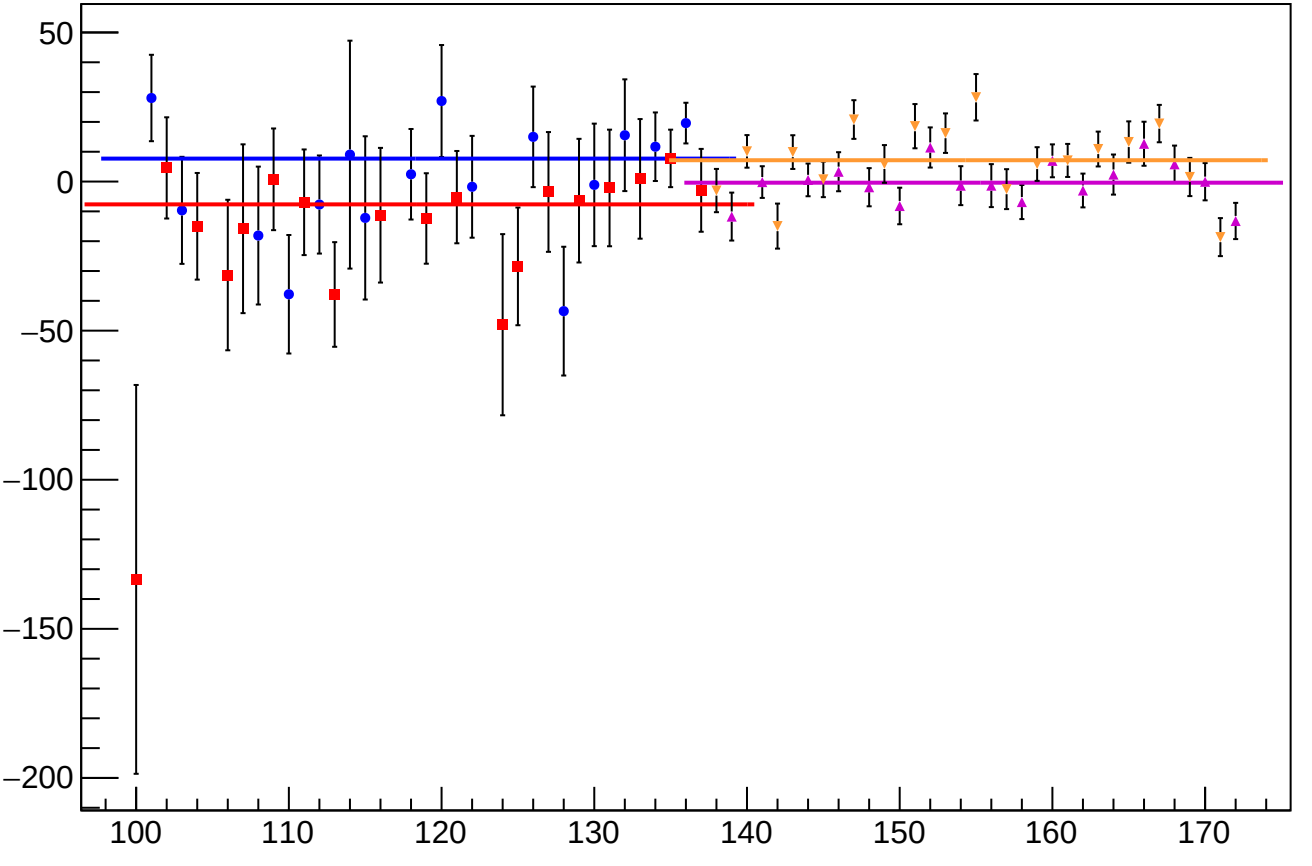
Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4372.376+/-0.719 χ^2/NDF:4722820.0/32

Out: 4624.539+/-0.743 χ^2/NDF:3172657.4/36

All: 4494.357+/-0.517 χ^2/NDF: 7954986.1/69

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 7.152+/-1.497 χ^2/NDF:52.6/17

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: 3.428+/-1.064 χ^2/NDF: 84.3/34

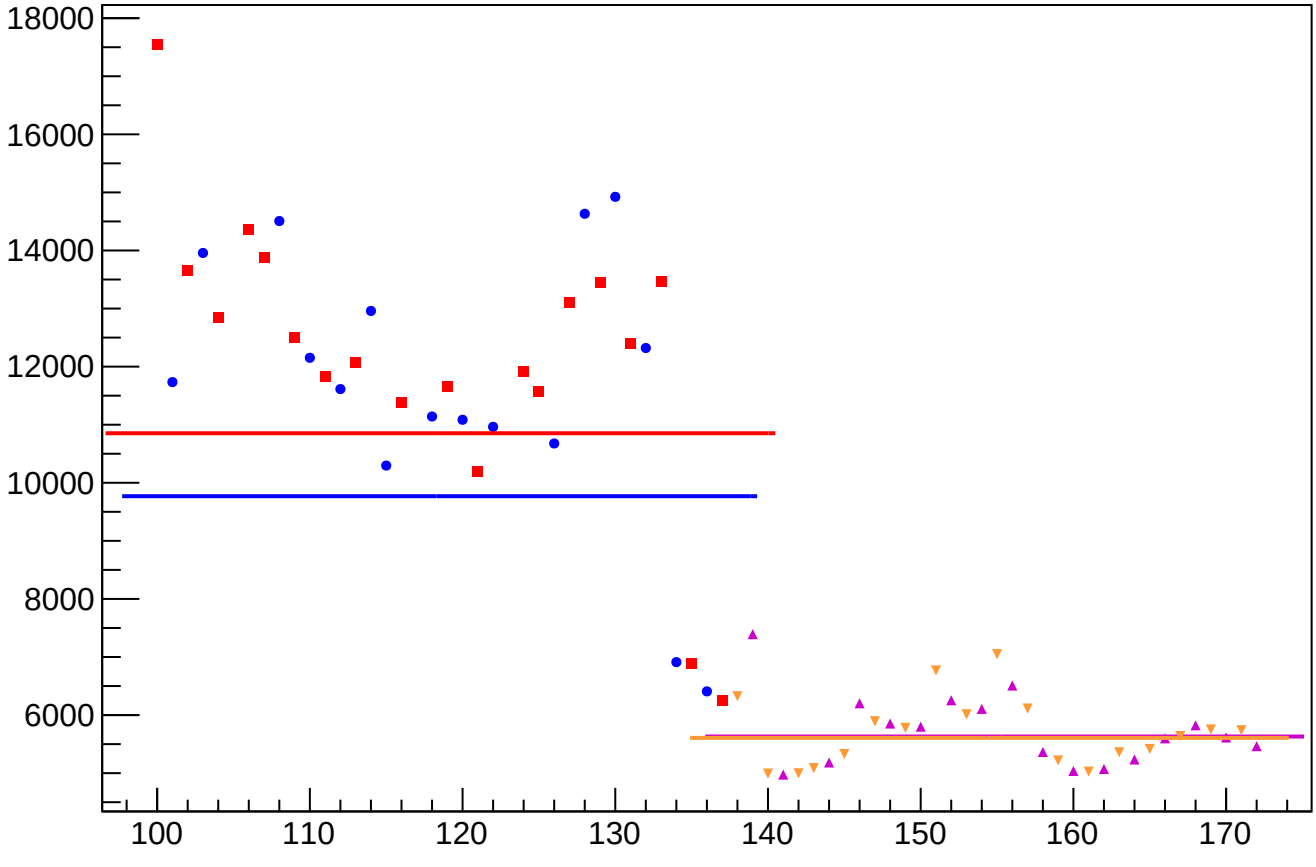
Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

In: 0.715+/-1.407 χ^2/NDF:44.6/32

Out: 5.411+/-1.406 χ^2/NDF:78.7/36

All: 3.065+/-0.995 χ^2/NDF: 128.9/69

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 9768.772+/-2.701 χ^2/NDF: 1213694.6/15

Left Out: 5607.454+/-1.058 χ^2/NDF:259591.0/17

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: 5619.126+/-0.753 χ^2/NDF: 533703.7/34

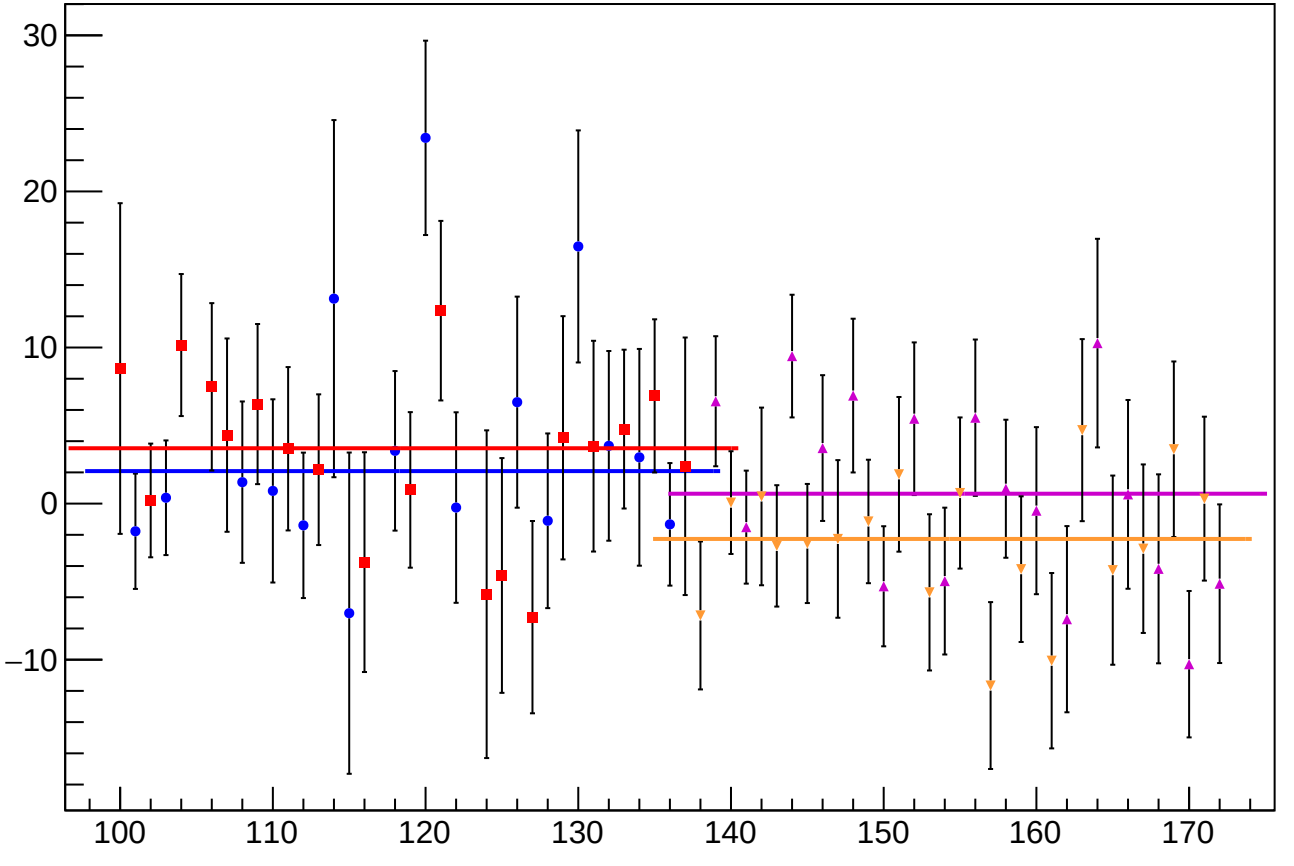
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 6192.649+/-0.995 χ^2/NDF:3515840.0/32

Out: 6224.463+/-0.994 χ^2/NDF:4023837.8/36

All: 6208.571+/-0.703 χ^2/NDF: 7540189.3/69

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.264+/-1.118 χ^2/NDF:11.5/17

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: -0.857+/-0.802 χ^2/NDF: 41.1/34

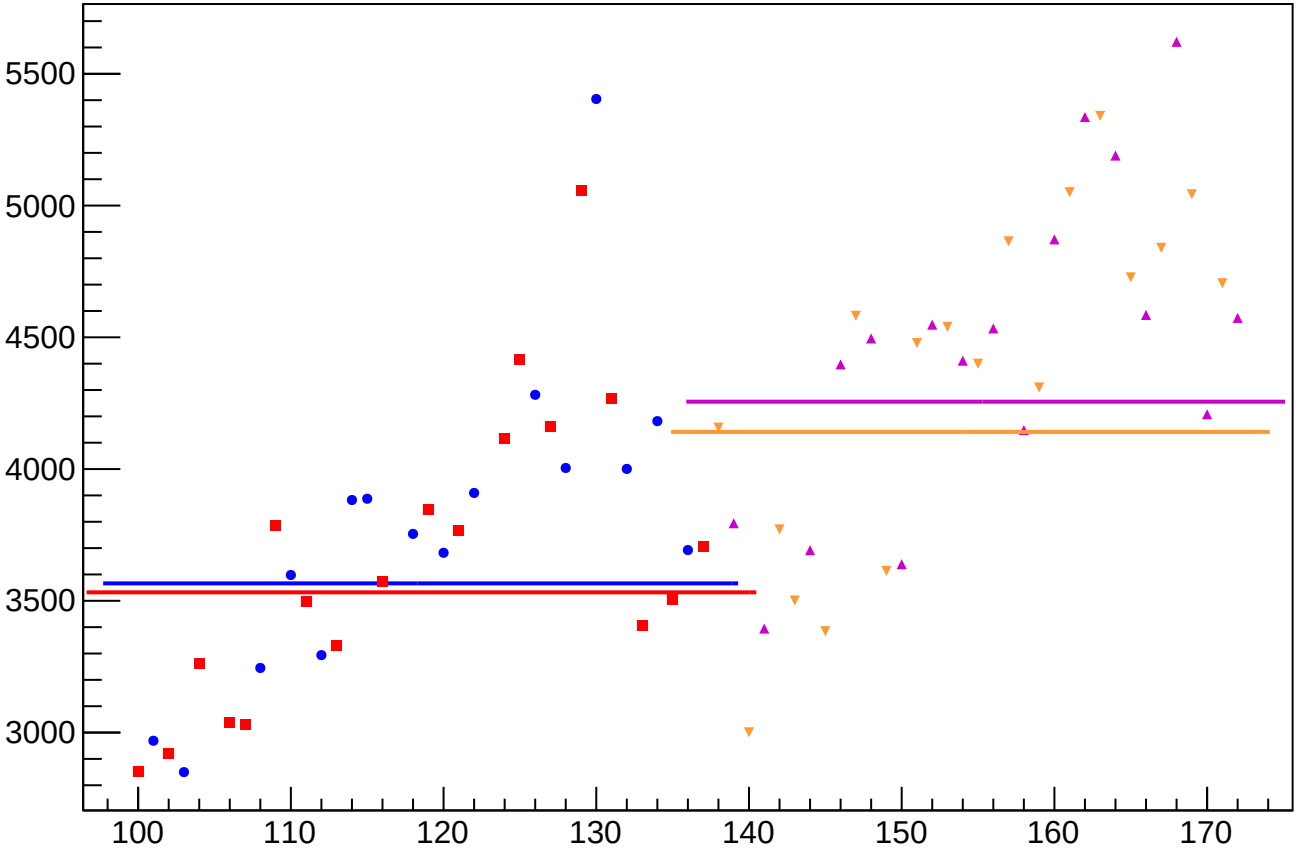
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 1.245+/-0.874 χ^2/NDF:48.0/32

Out: 0.197+/-0.849 χ^2/NDF:36.3/36

All: 0.705+/-0.609 χ^2/NDF: 85.1/69

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4141.054+/-0.790 χ^2/NDF:762740.0/17

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: 4196.715+/-0.567 χ^2/NDF: 1273436.5/34

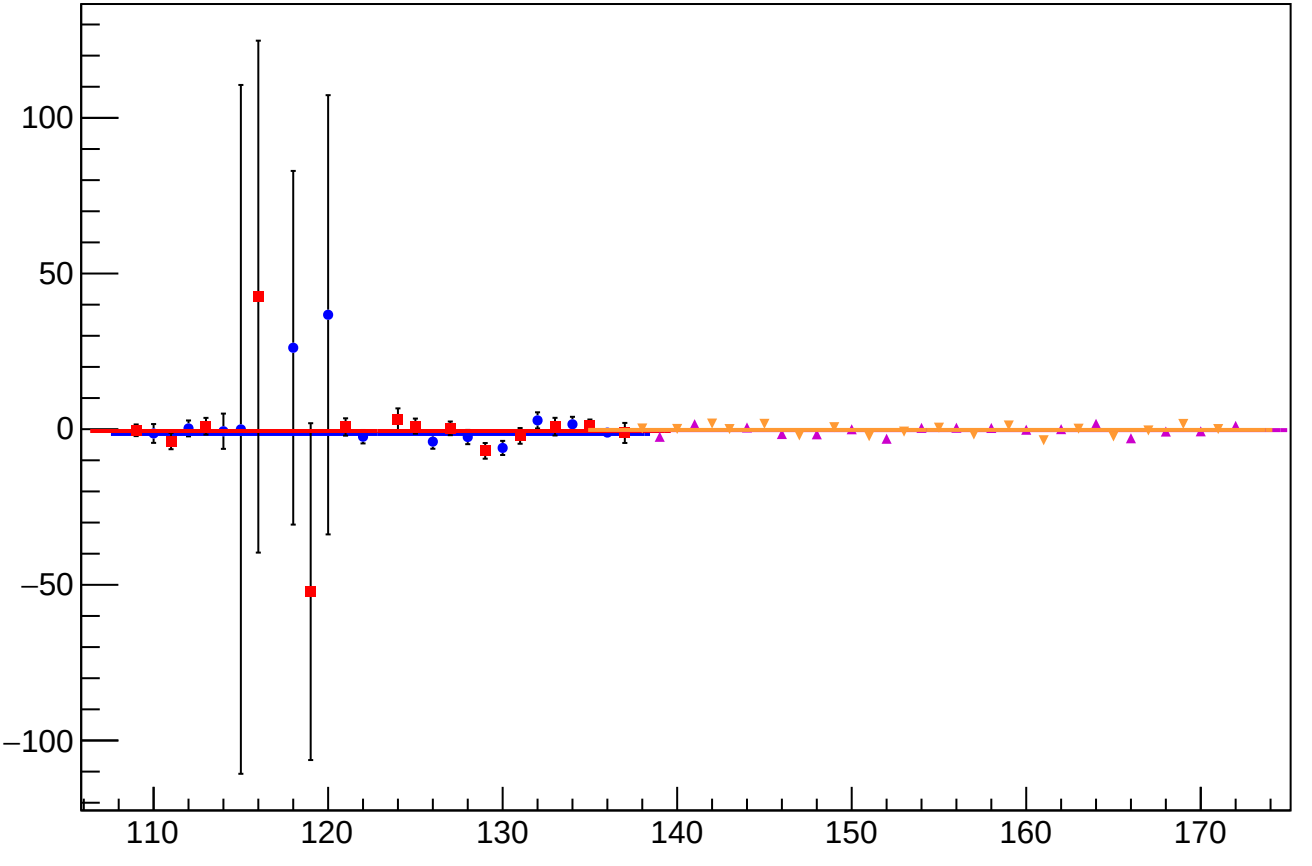
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3964.437+/-0.618 χ^2/NDF:1145069.9/32

Out: 3883.218+/-0.600 χ^2/NDF:1292748.4/36

All: 3922.619+/-0.431 χ^2/NDF: 2446704.3/69

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.239+/-0.270 χ^2/NDF:29.4/17

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: -0.271+/-0.192 χ^2/NDF: 55.0/34

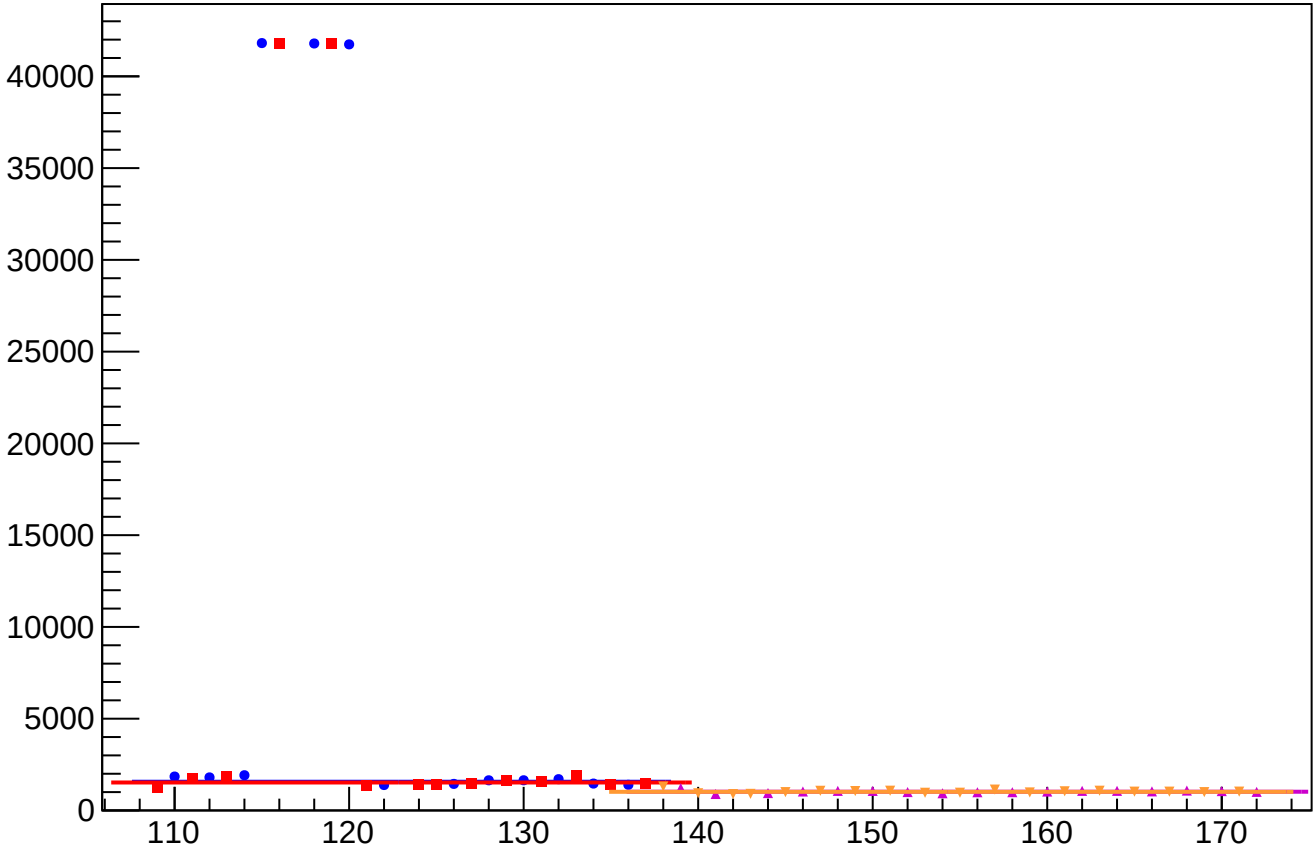
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.454+/-0.256 χ^2/NDF:39.2/29

Out: -0.283+/-0.253 χ^2/NDF:42.3/31

All: -0.367+/-0.180 χ^2/NDF: 81.7/61

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1015.759+/-0.191 χ^2/NDF:178116.4/17

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: 1017.937+/-0.136 χ^2/NDF: 302276.7/34

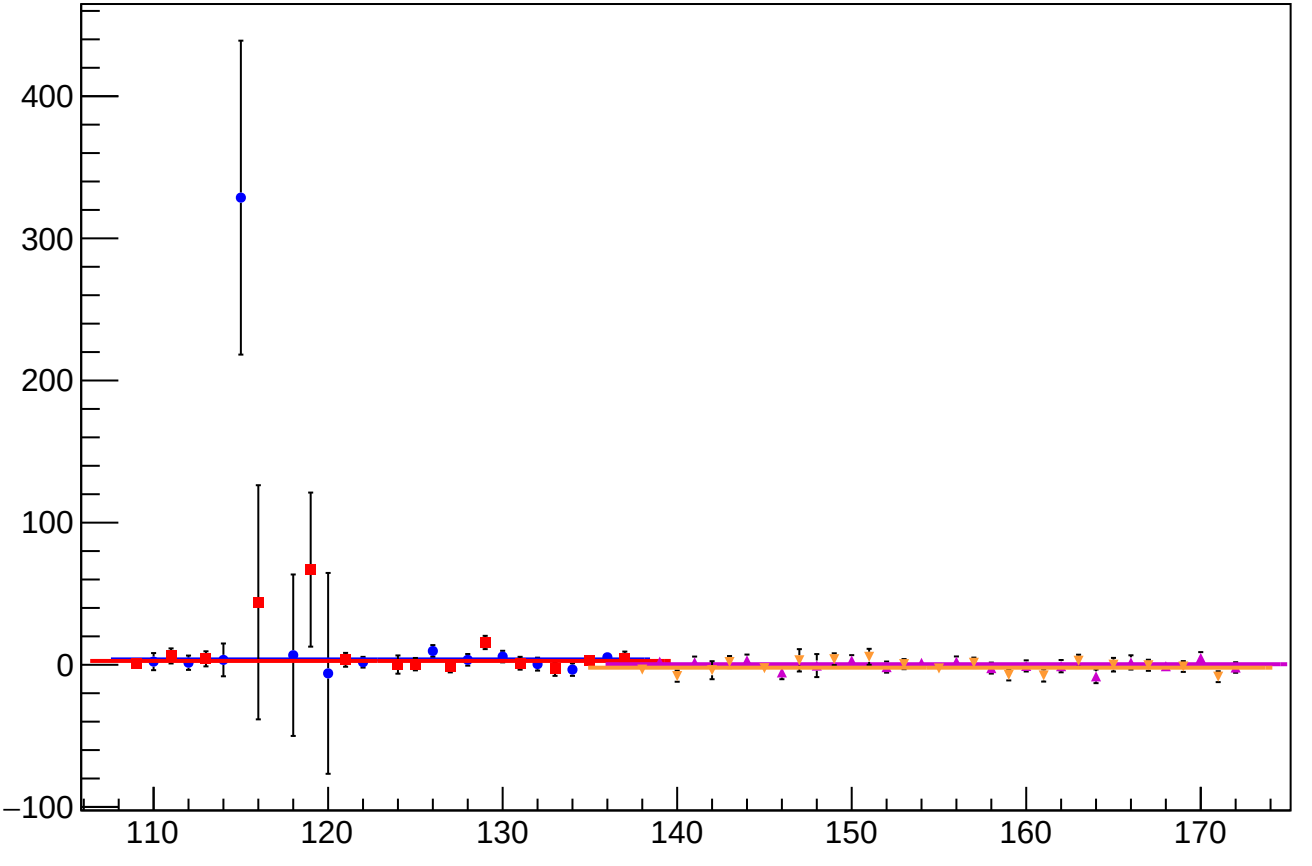
Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1086.698+/-0.181 χ^2/NDF:3109048.1/29

Out: 1079.014+/-0.179 χ^2/NDF:2796193.5/31

All: 1082.808+/-0.127 χ^2/NDF: 5906152.1/61

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -2.033+/-0.907 χ^2/NDF:17.1/17

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: -0.833+/-0.646 χ^2/NDF: 30.2/34

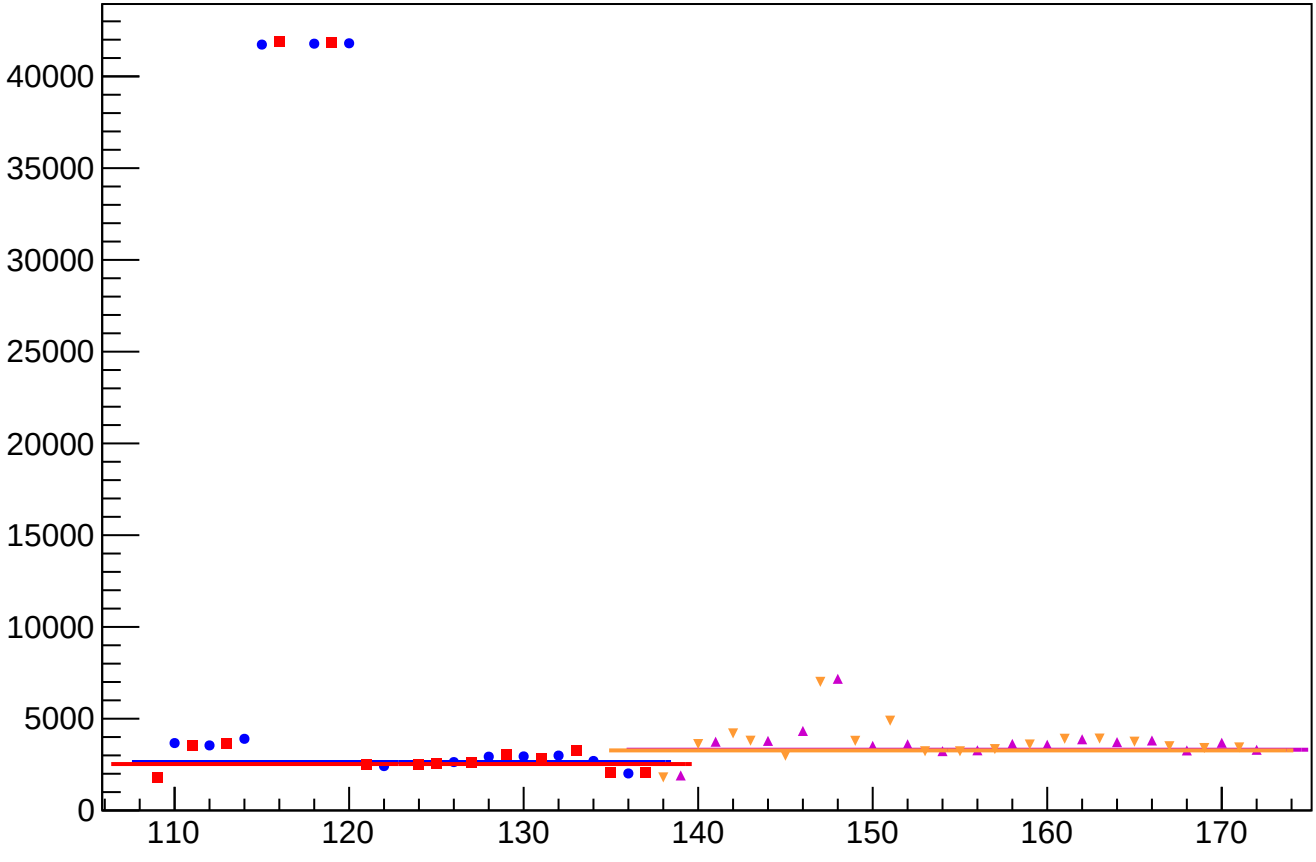
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 1.588+/-0.740 χ^2/NDF:29.4/29

Out: -0.329+/-0.726 χ^2/NDF:40.5/31

All: 0.610+/-0.518 χ^2/NDF: 73.4/61

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3272.292+/-0.641 χ^2/NDF:1873391.2/17

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: 3290.605+/-0.456 χ^2/NDF: 3483343.1/34

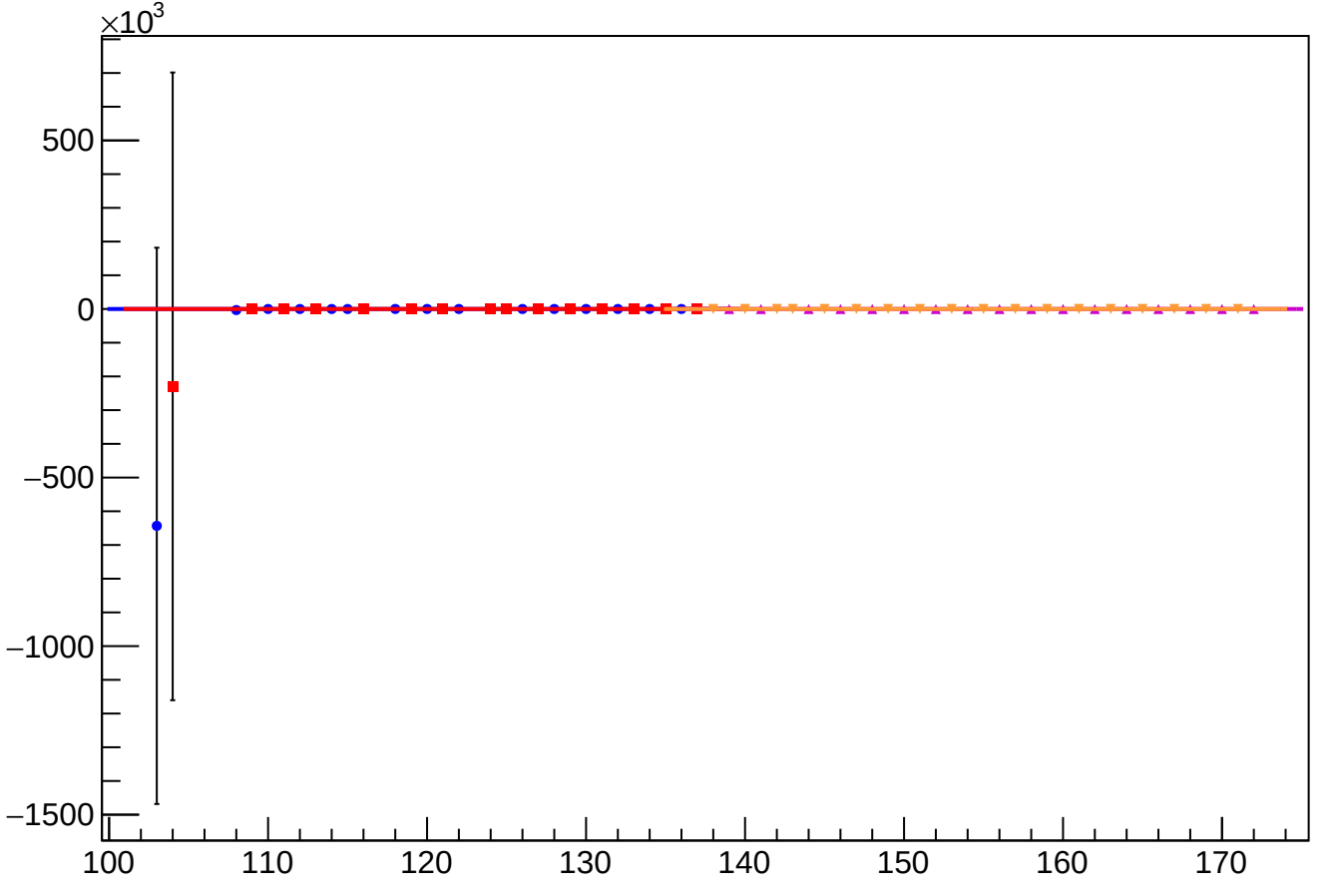
Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 3074.024+/-0.523 χ^2/NDF:4154673.1/29

Out: 3005.313+/-0.513 χ^2/NDF:4306178.5/31

All: 3038.989+/-0.366 χ^2/NDF: 8469638.2/61

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.783+/-0.423 χ^2/NDF:42.3/17

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: -0.907+/-0.301 χ^2/NDF: 71.8/34

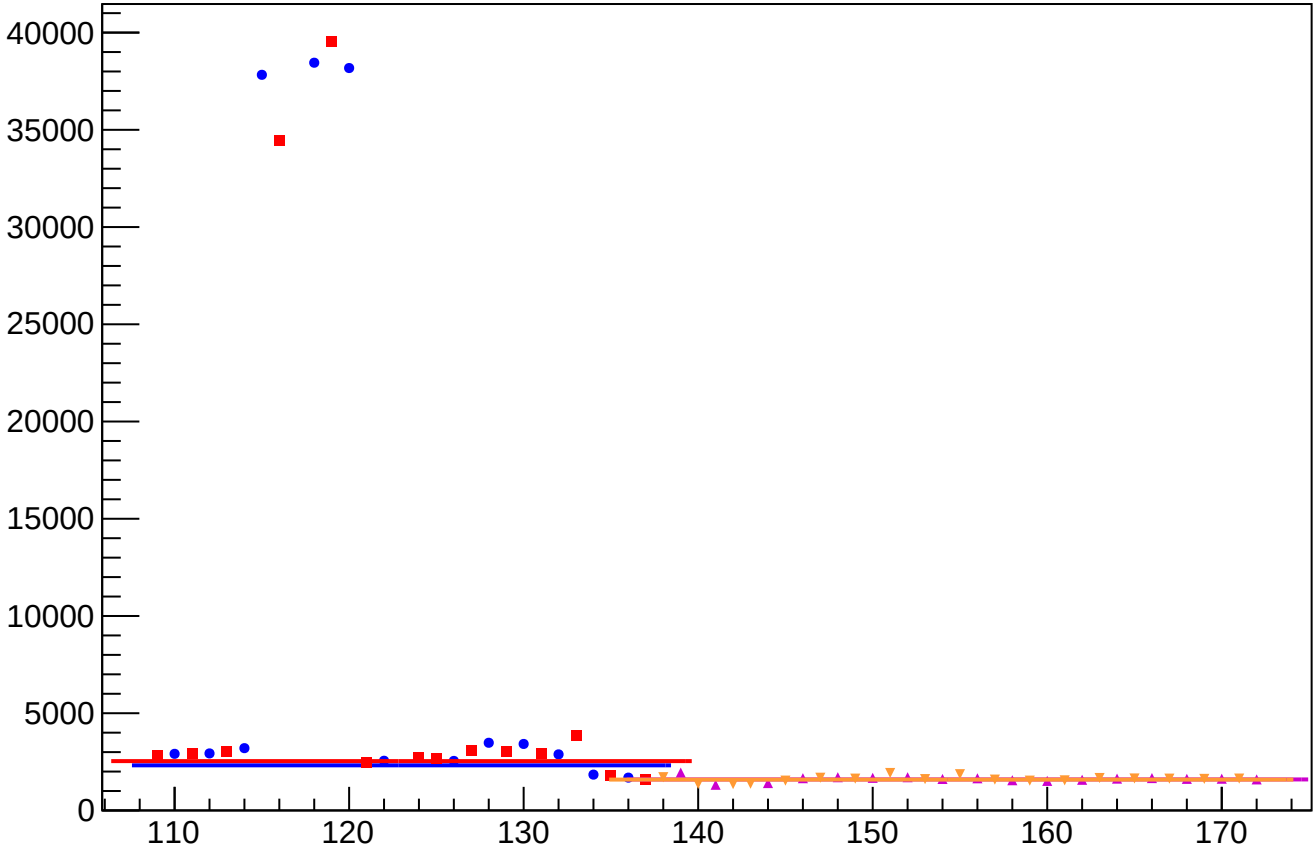
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.163+/-0.400 χ^2/NDF:40.6/31

Out: -1.299+/-0.399 χ^2/NDF:68.8/32

All: -0.732+/-0.283 χ^2/NDF: 113.4/64

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1587.325+/-0.299 χ^2/NDF:230040.5/17

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1594.858+/-0.303 χ^2/NDF:196049.8/16

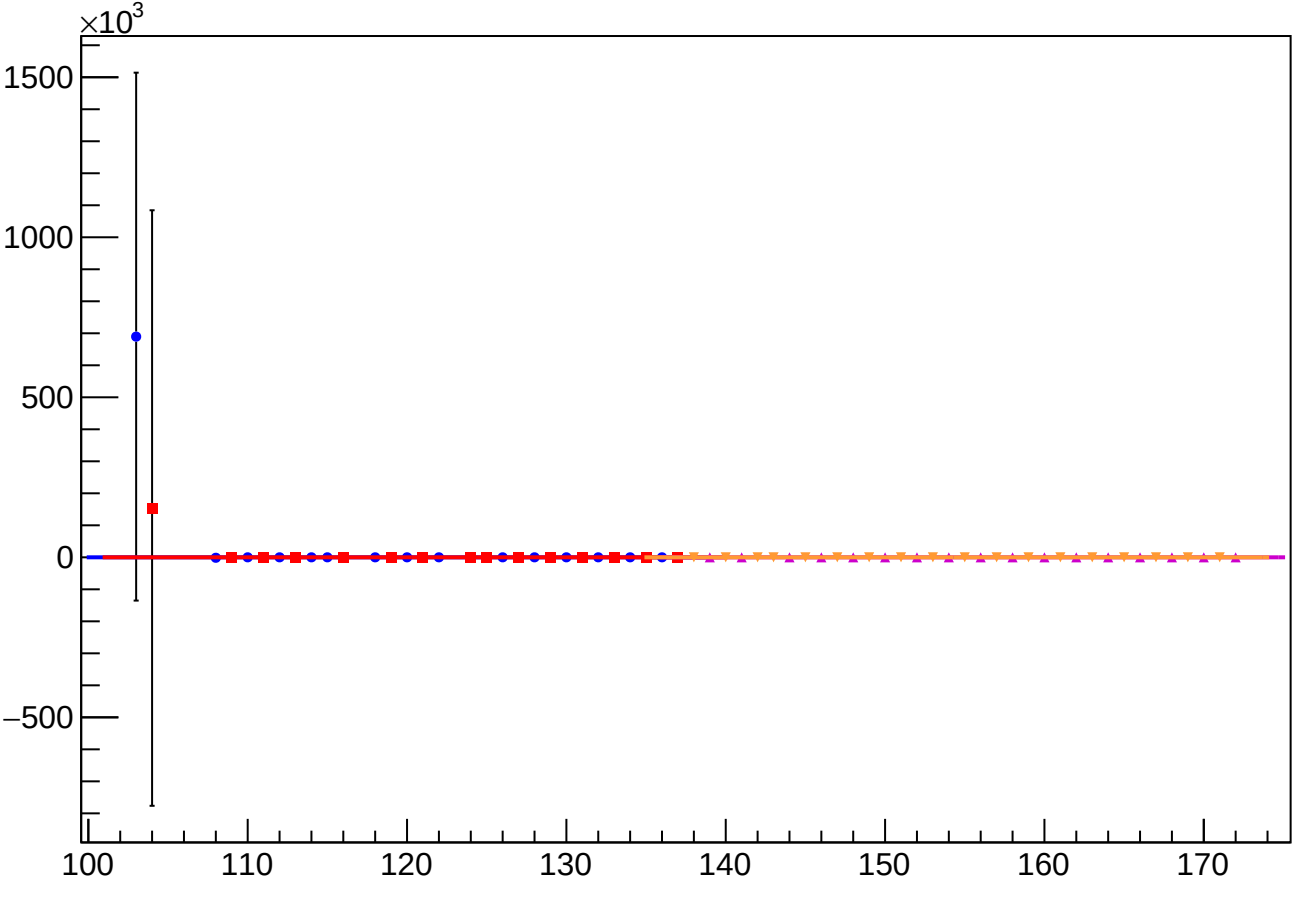
Left: 1591.046+/-0.213 χ^2/NDF: 426403.4/34

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1686.646+/-0.283 χ^2/NDF:3383862.5/29

Out: 1690.699+/-0.282 χ^2/NDF:3365542.4/31

All: 1688.676+/-0.200 χ^2/NDF: 6749507.7/61



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -1.027+/-0.587 χ^2/NDF:20.8/17

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: -0.523+/-0.408 χ^2/NDF: 35.4/34

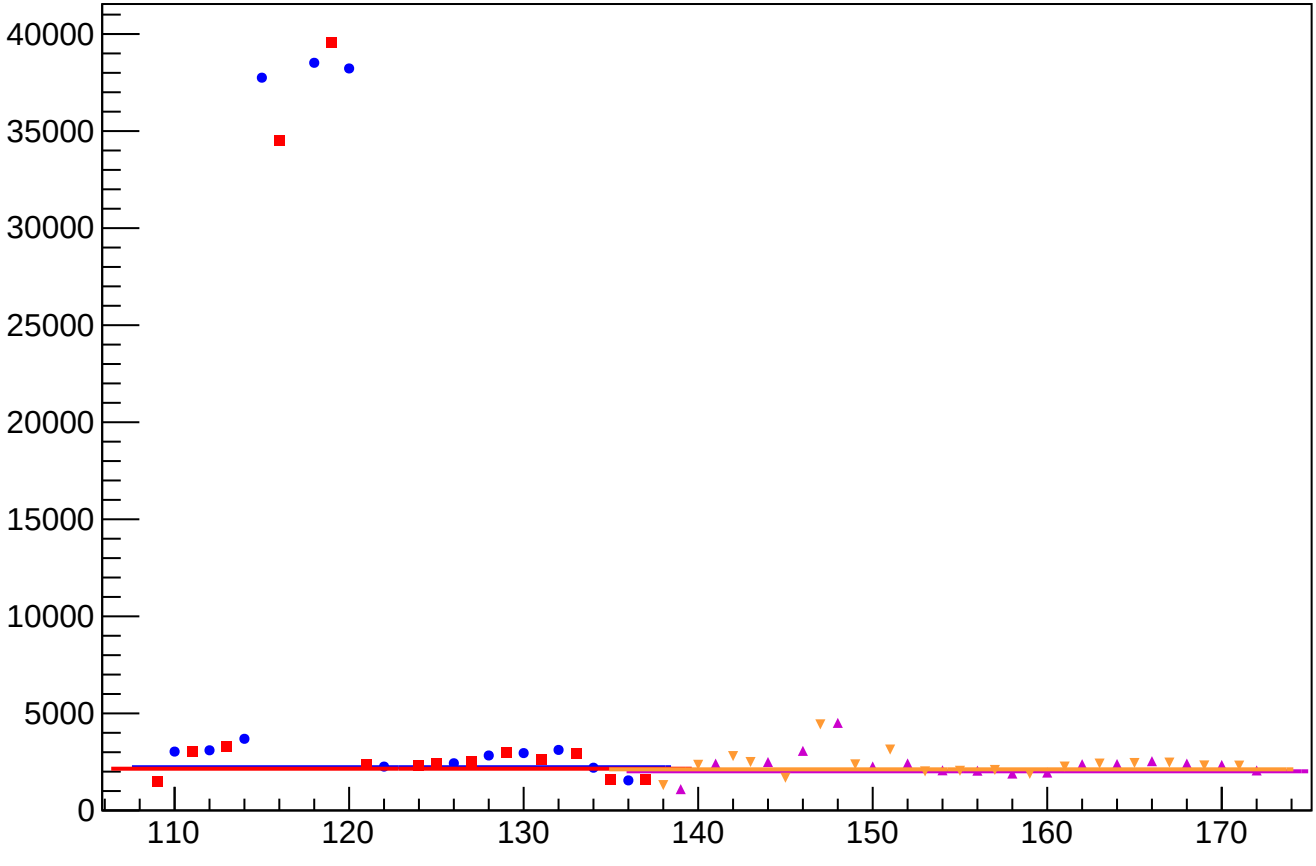
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.332+/-0.502 χ^2/NDF:20.3/31

Out: -0.334+/-0.512 χ^2/NDF:42.0/32

All: 0.006+/-0.359 χ^2/NDF: 63.2/64

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2119.165+/-0.415 χ^2/NDF:1465663.5/17

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: 2066.588+/-0.289 χ^2/NDF: 3740799.7/34

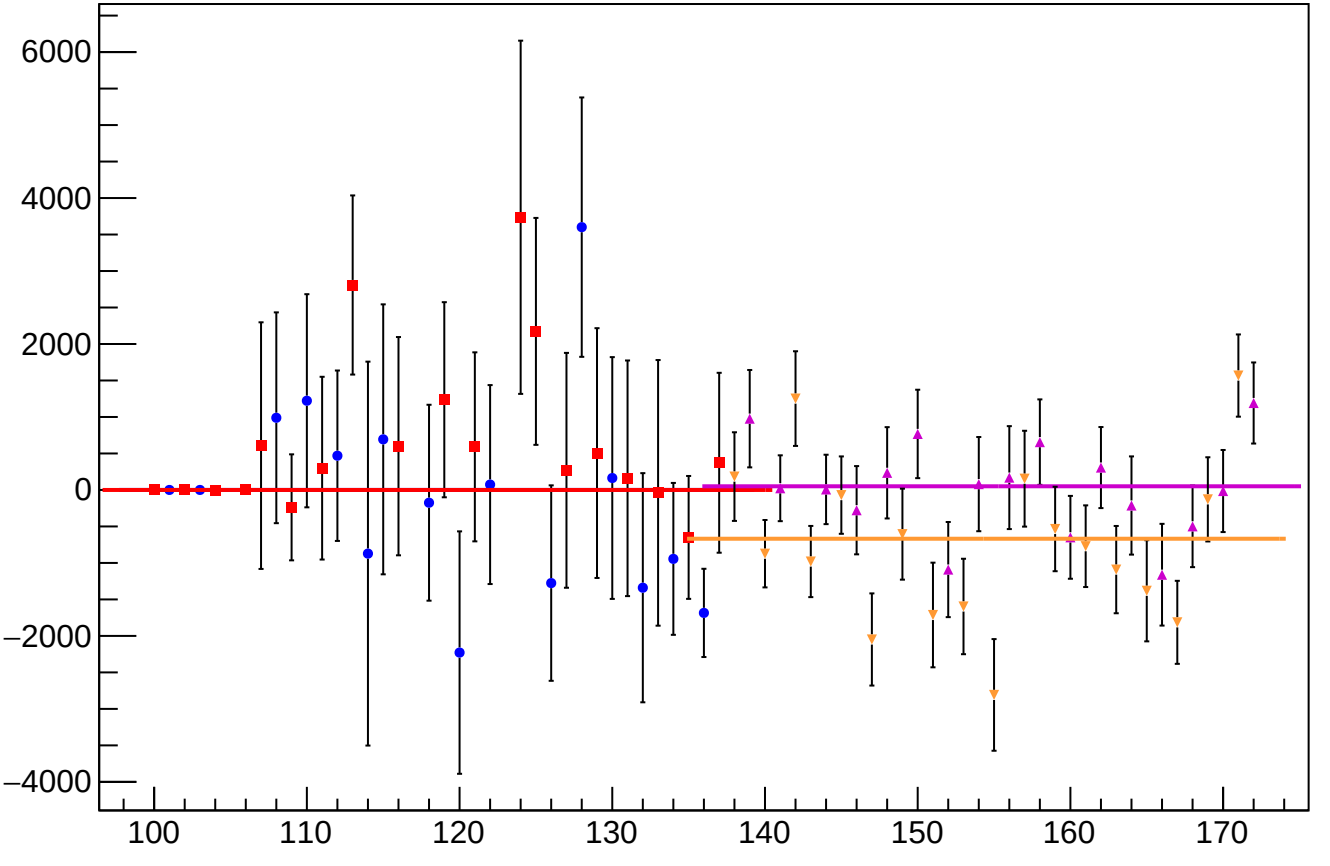
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 2062.973+/-0.355 χ^2/NDF:4825647.1/29

Out: 2126.683+/-0.362 χ^2/NDF:3698369.1/31

All: 2094.200+/-0.254 χ^2/NDF: 8539781.5/61

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.255+/-0.356 χ^2/NDF: 17.7/15

Left Out: -668.356+/-139.700 χ^2/NDF:53.3/17

Right Out: -0.096+/-0.328 χ^2/NDF: 15.4/18

Left In: 50.343+/-142.150 χ^2/NDF:18.0/16

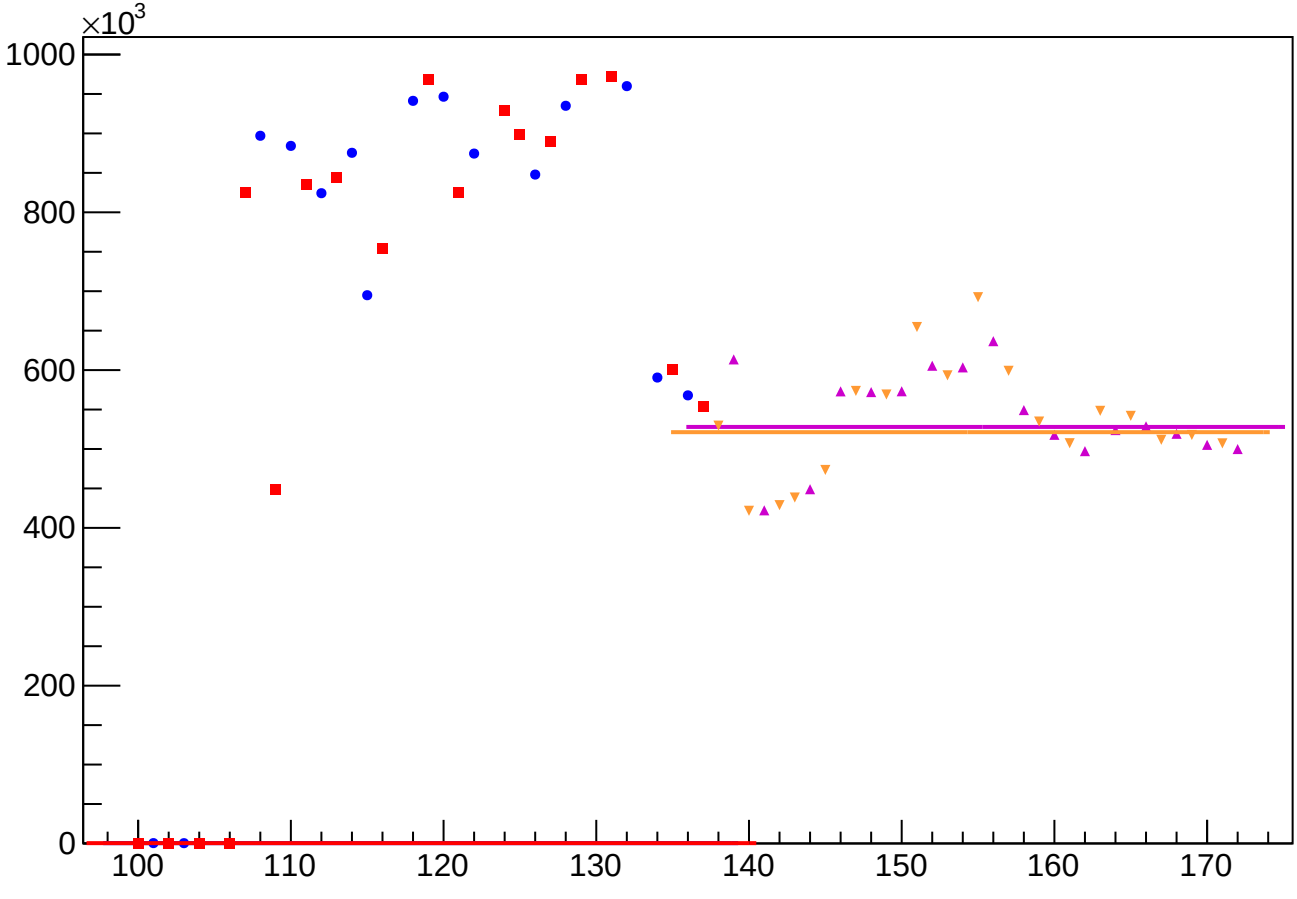
Left: -315.254+/-99.637 χ^2/NDF: 84.3/34

Right: 0.065+/-0.241 χ^2/NDF: 33.7/34

In: 0.256+/-0.356 χ^2/NDF:35.9/32

Out: -0.100+/-0.328 χ^2/NDF:91.6/36

All: 0.064+/-0.241 χ^2/NDF: 128.0/69



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 521316.656+/-98.783 χ^2/NDF:465301.5/17

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: 524582.767+/-70.454 χ^2/NDF: 819064.6/34

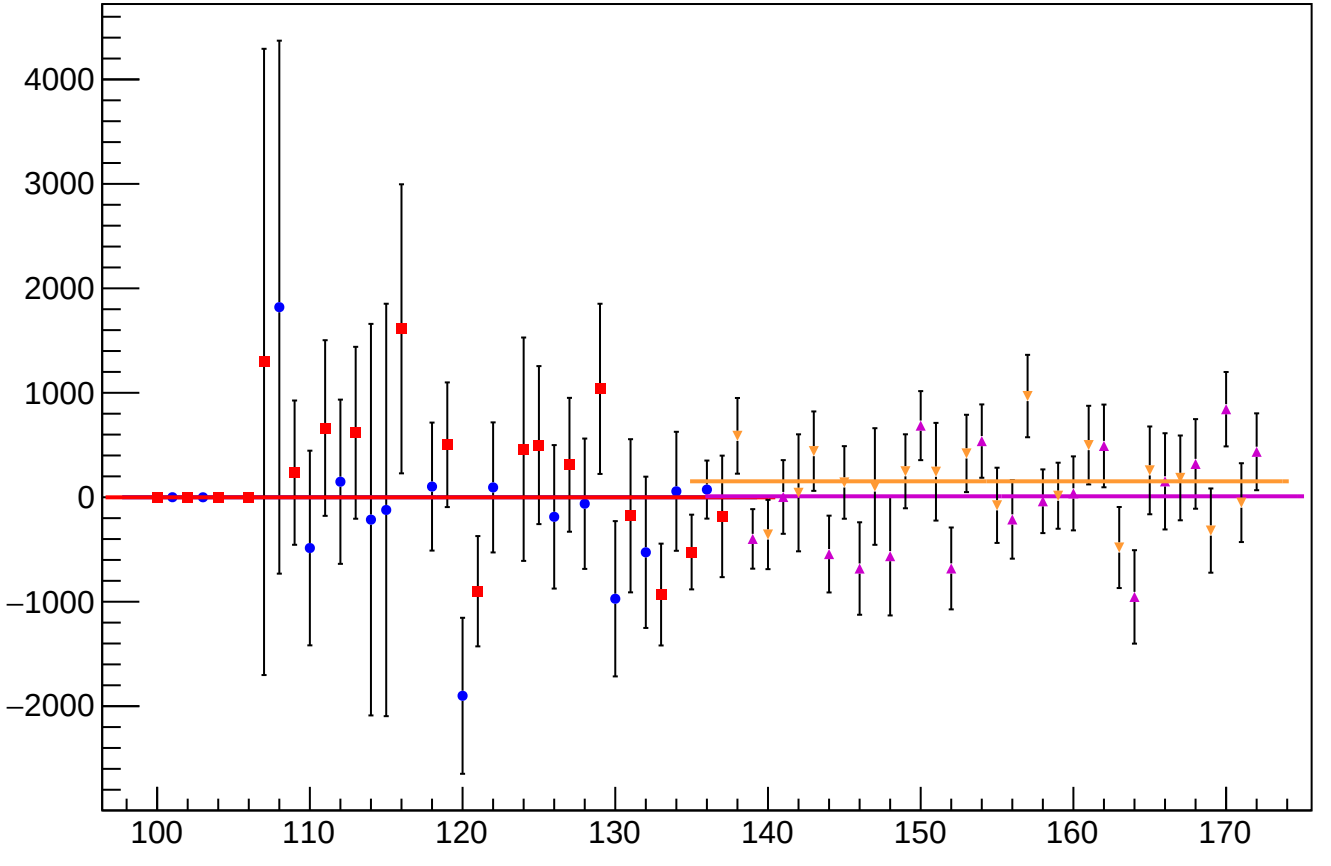
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 402.184+/-0.251 χ^2/NDF:36391250.1/31

Out: 396.108+/-0.232 χ^2/NDF:35922845.8/35

All: 398.898+/-0.170 χ^2/NDF: 72314411.5/67

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 10.5/15

Left Out: 152.698+/-90.942 χ^2/NDF:15.2/17

Right Out: -0.599+/-0.324 χ^2/NDF: 15.0/18

Left In: 9.237+/-90.409 χ^2/NDF:31.3/16

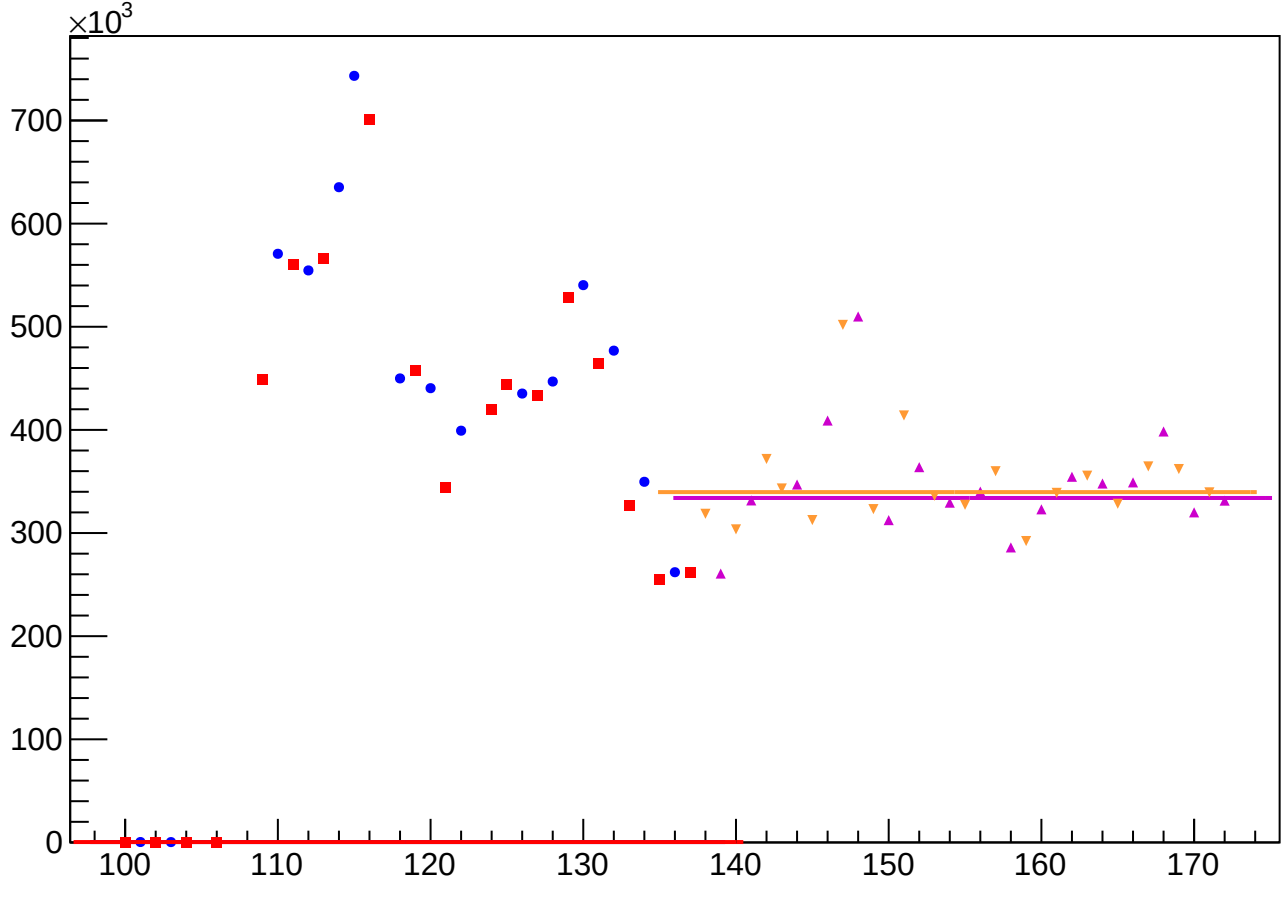
Left: 80.546+/-64.116 χ^2/NDF: 47.7/34

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:33.0/36

All: -0.329+/-0.237 χ^2/NDF: 76.3/69



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 339682.838+/-64.306 χ^2/NDF:344354.3/17

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 333988.896+/-63.933 χ^2/NDF:514398.2/16

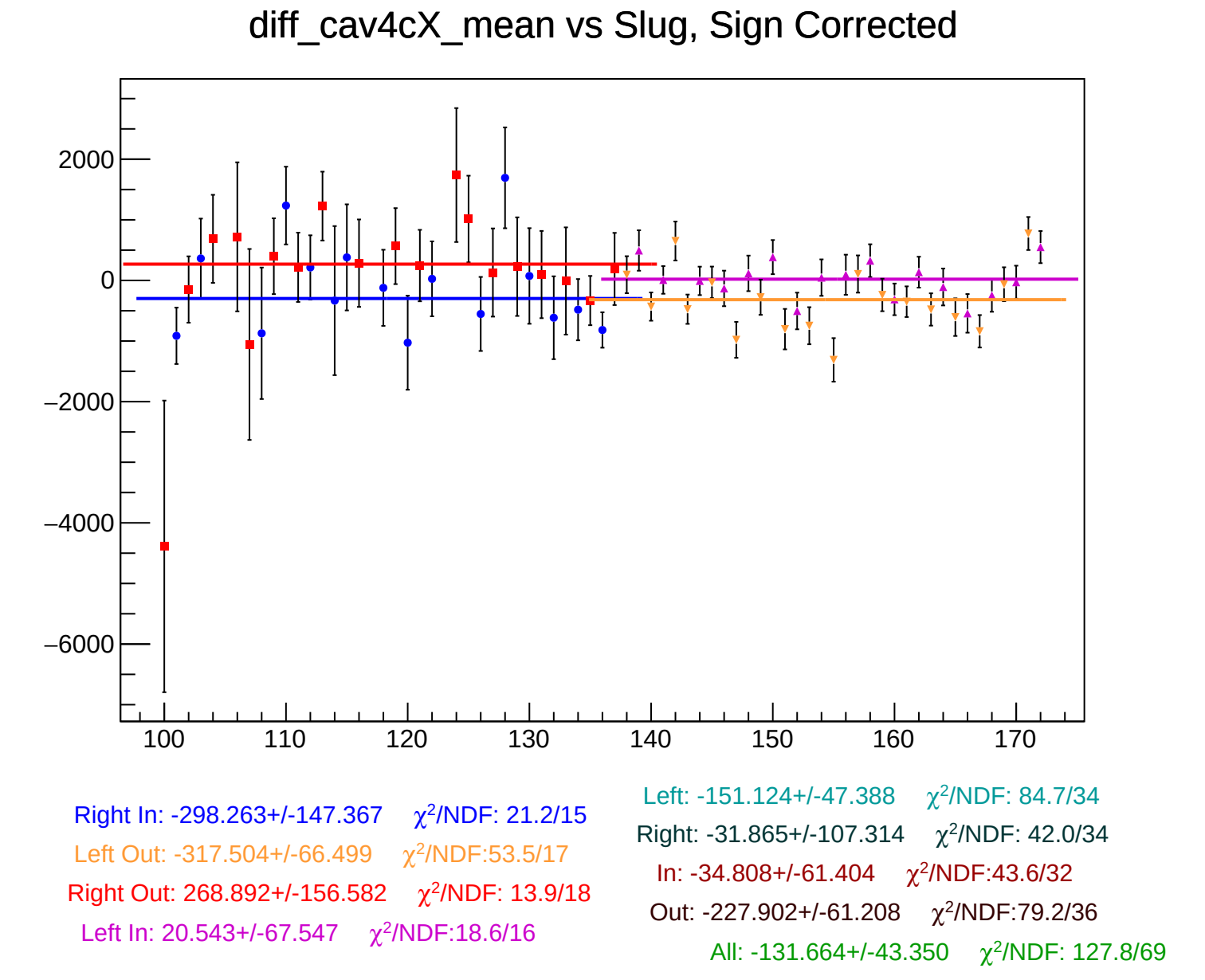
Left: 336819.316+/-45.339 χ^2/NDF: 862695.4/34

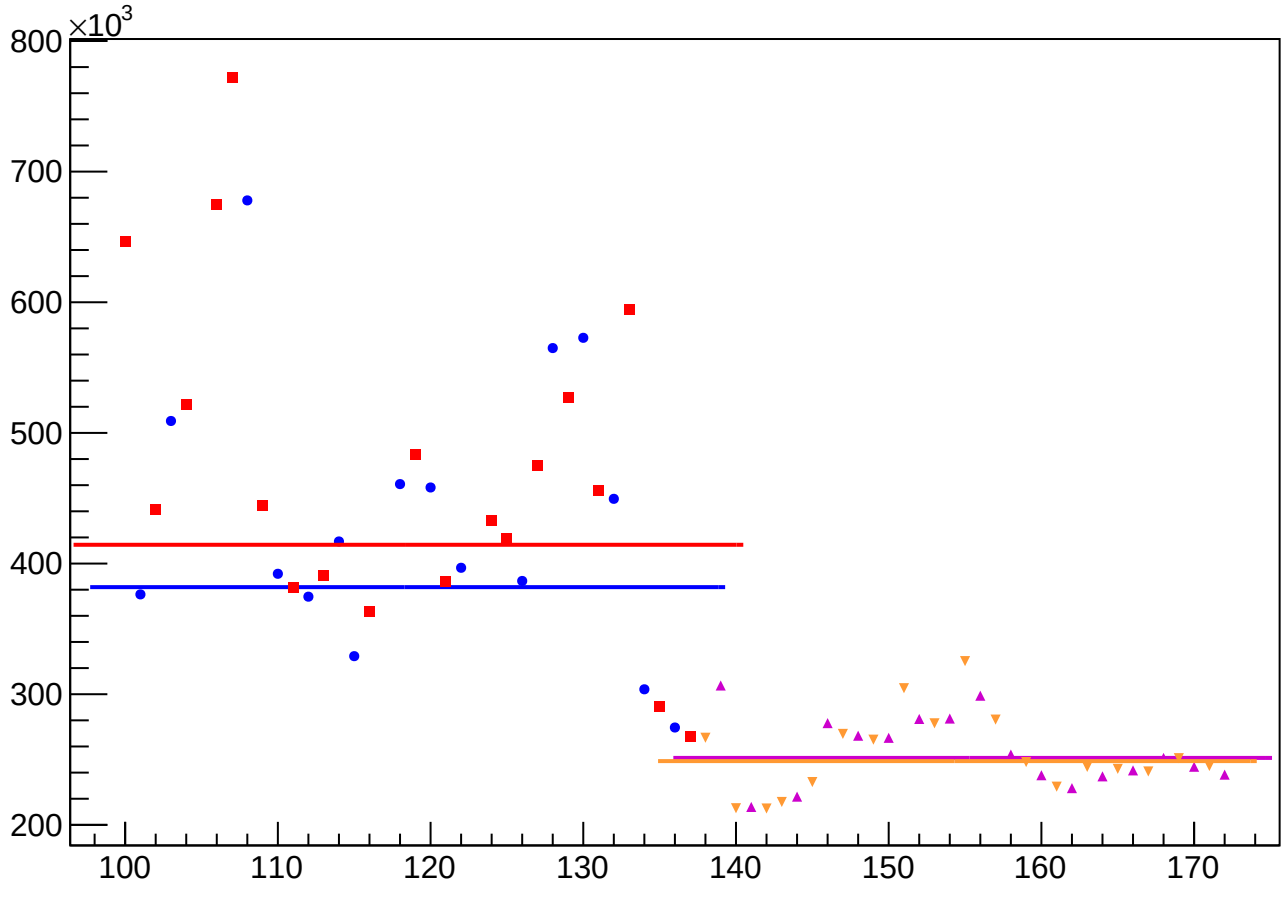
Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

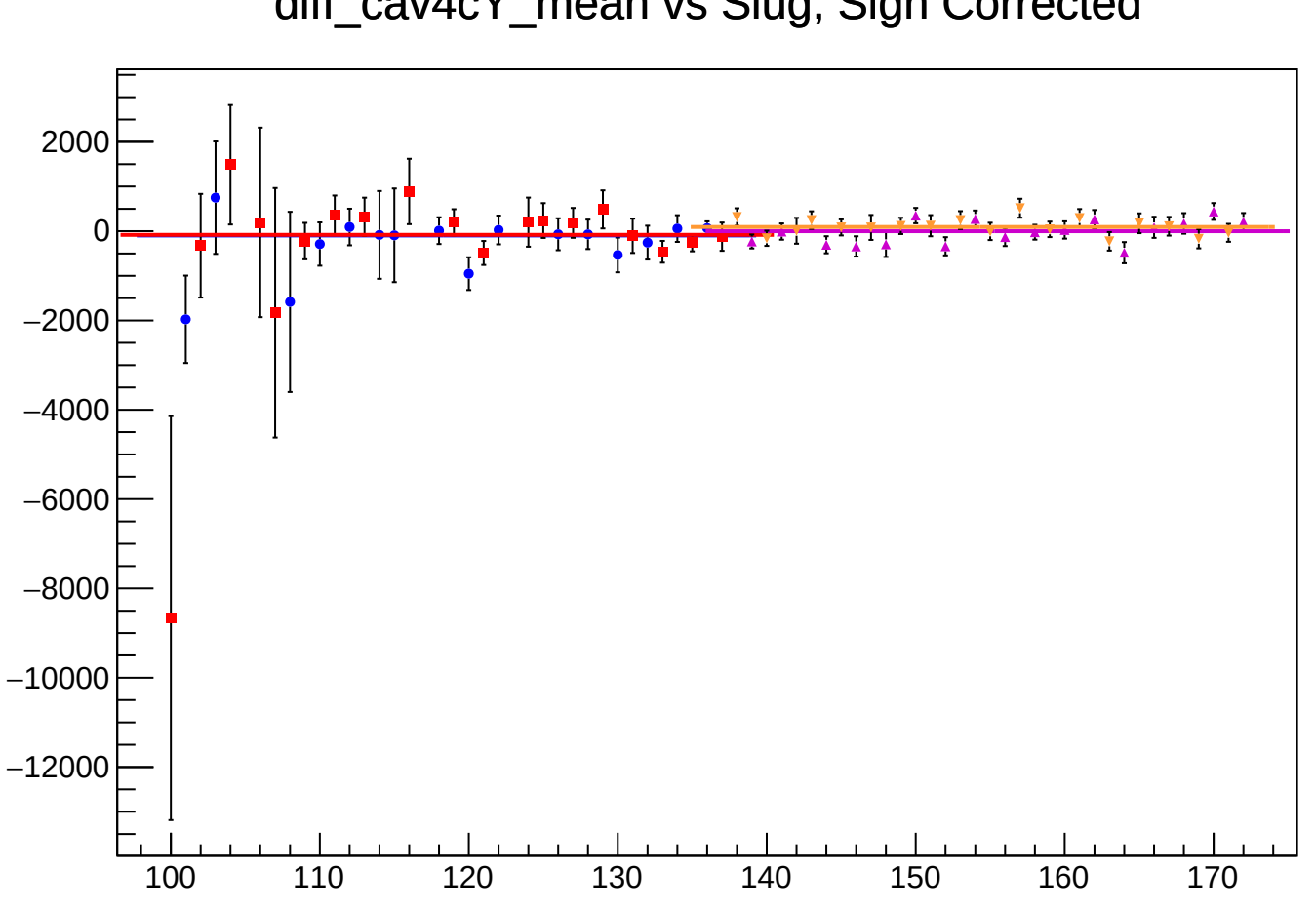
In: 395.193+/-0.245 χ^2/NDF:38873303.1/31

Out: 392.286+/-0.229 χ^2/NDF:39257530.7/35

All: 393.638+/-0.167 χ^2/NDF: 78130908.9/67


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: -317.504+/-66.499 χ²/NDF:53.5/17
Right Out: 268.892+/-156.582 χ²/NDF: 13.9/18
Left In: 20.543+/-67.547 χ²/NDF:18.6/16
Left: -151.124+/-47.388 χ²/NDF: 84.7/34
Right: -31.865+/-107.314 χ²/NDF: 42.0/34
In: -34.808+/-61.404 χ²/NDF:43.6/32
Out: -227.902+/-61.208 χ²/NDF:79.2/36
All: -131.664+/-43.350 χ²/NDF: 127.8/69


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: 248809.860+/-47.022 χ²/NDF:338977.0/17
Right Out: 414378.043+/-110.748 χ²/NDF: 760082.5/18
Left In: 251250.732+/-47.763 χ²/NDF:285159.8/16
Left: 250011.209+/-33.508 χ²/NDF: 625463.0/34
Right: 397186.164+/-75.899 χ²/NDF: 1641963.2/34
In: 273937.519+/-43.421 χ²/NDF:2421459.2/32
Out: 274098.197+/-43.282 χ²/NDF:2992701.1/36
All: 274018.115+/-30.654 χ²/NDF: 5414167.



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 93.734+/-47.937 χ^2/NDF:14.6/17

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: 46.280+/-33.884 χ^2/NDF: 47.2/34

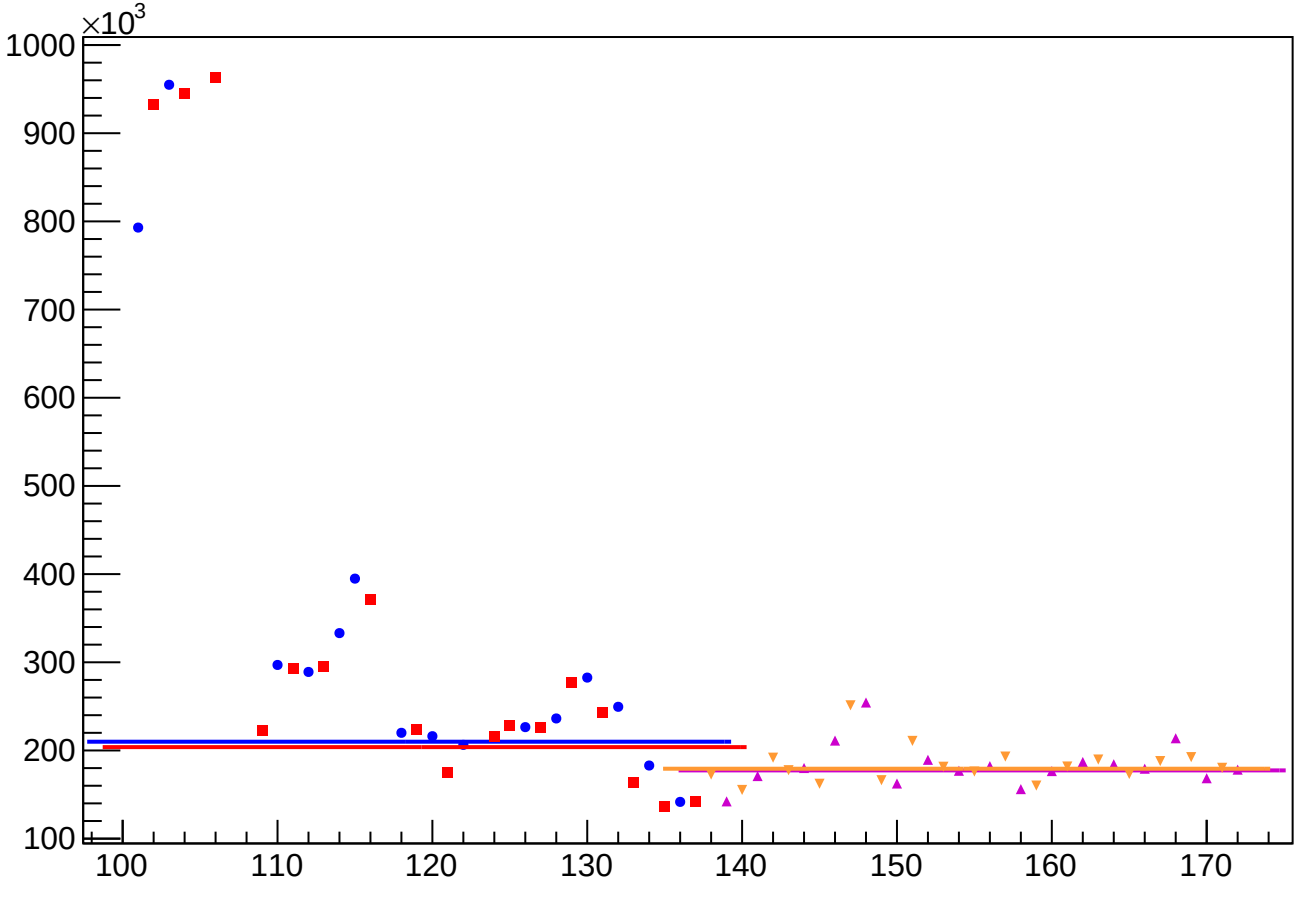
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -22.659+/-42.101 χ^2/NDF:45.2/32

Out: 52.860+/-42.021 χ^2/NDF:36.9/36

All: 15.173+/-29.742 χ^2/NDF: 83.7/69

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 179301.897+/-33.897 χ^2/NDF:294216.3/17

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: 178349.120+/-23.960 χ^2/NDF: 709579.9/34

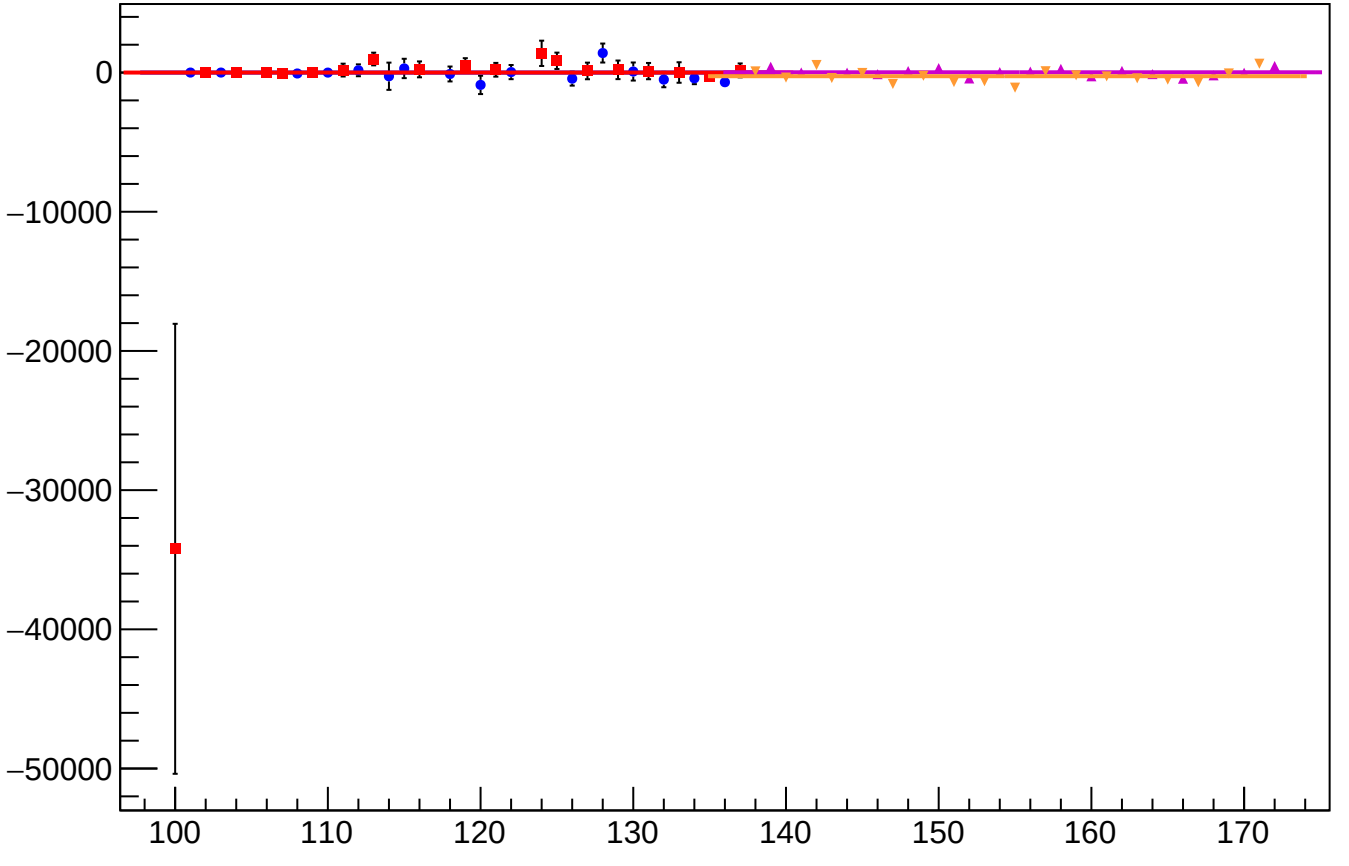
Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 184779.036+/-29.782 χ^2/NDF:2582981.2/31

Out: 184952.664+/-29.730 χ^2/NDF:2485144.3/34

All: 184866.001+/-21.041 χ^2/NDF: 5068142.

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -262.201+/-55.638 χ^2/NDF:53.3/17

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 20.070+/-56.515 χ^2/NDF:18.7/16

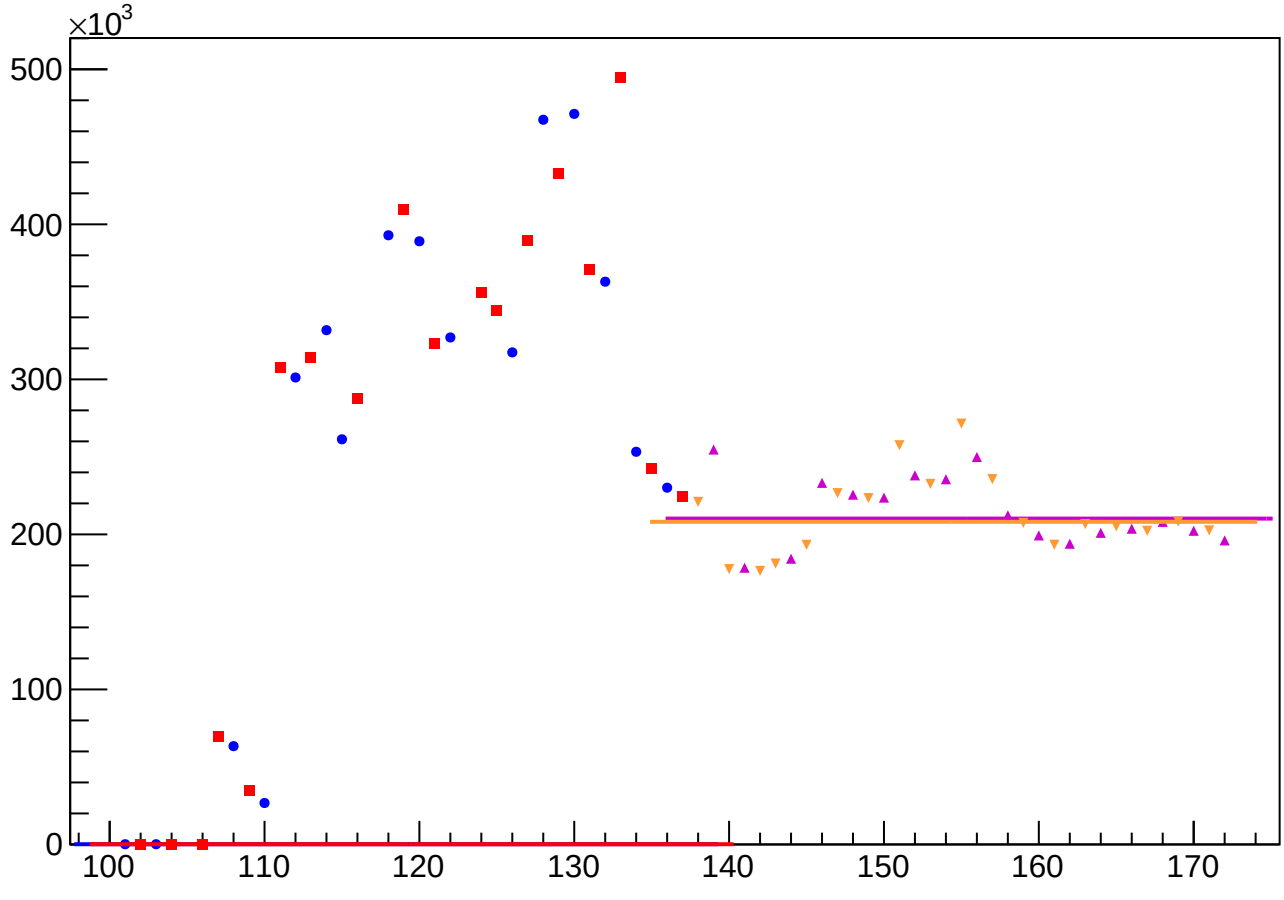
Left: -123.271+/-39.649 χ^2/NDF: 84.6/34

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:92.0/36

All: 0.173+/-0.117 χ^2/NDF: 131.7/69



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 208121.055+/-39.342 χ^2/NDF:350646.1/17

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 210193.290+/-39.962 χ^2/NDF:290315.0/16

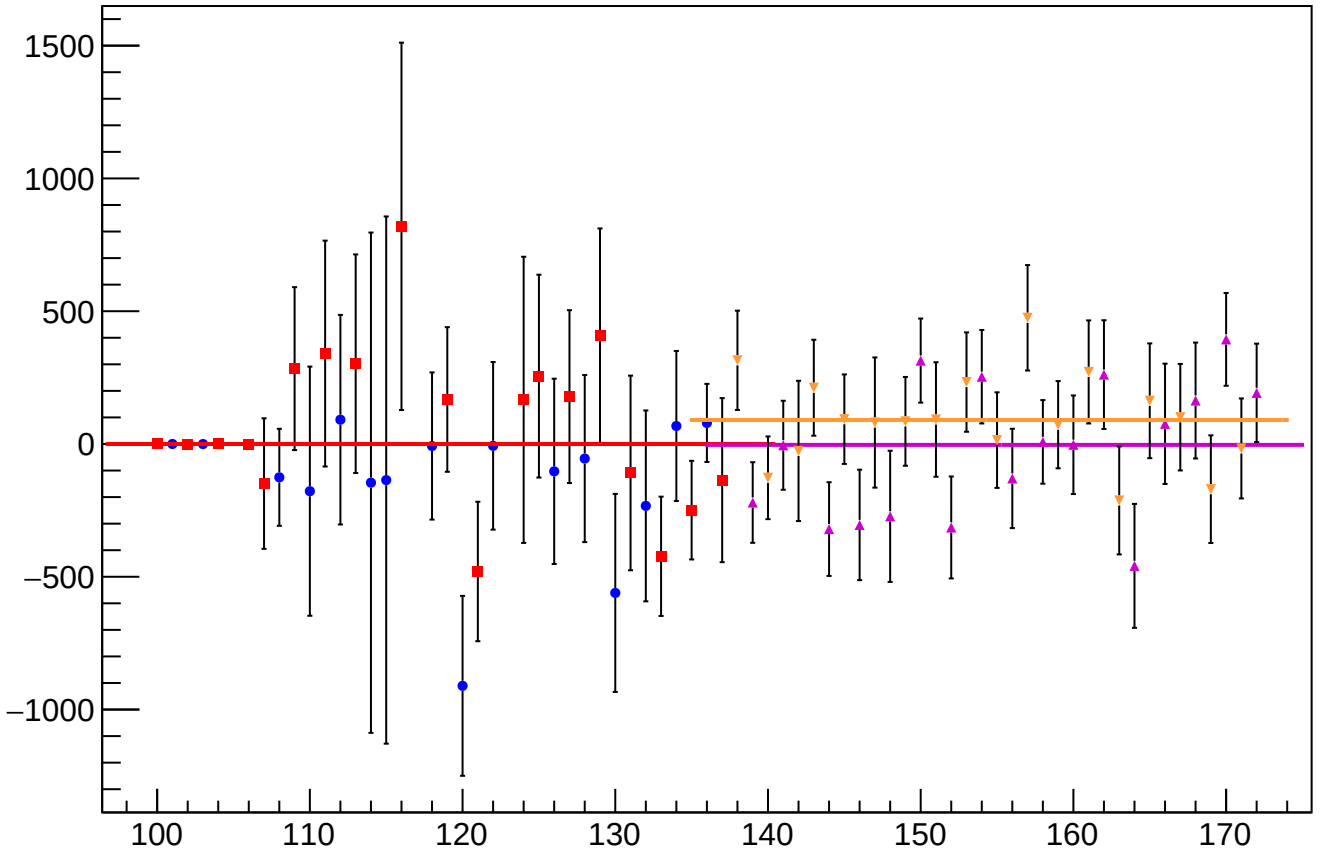
Left: 209140.978+/-28.036 χ^2/NDF: 642326.6/34

Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 151.044+/-0.122 χ^2/NDF:39218429.4/32

Out: 151.101+/-0.113 χ^2/NDF:39583123.0/35

All: 151.075+/-0.083 χ^2/NDF: 78801552.5/68



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 90.470+/-44.924 χ^2/NDF:13.8/17

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -3.319+/-45.065 χ^2/NDF:30.3/16

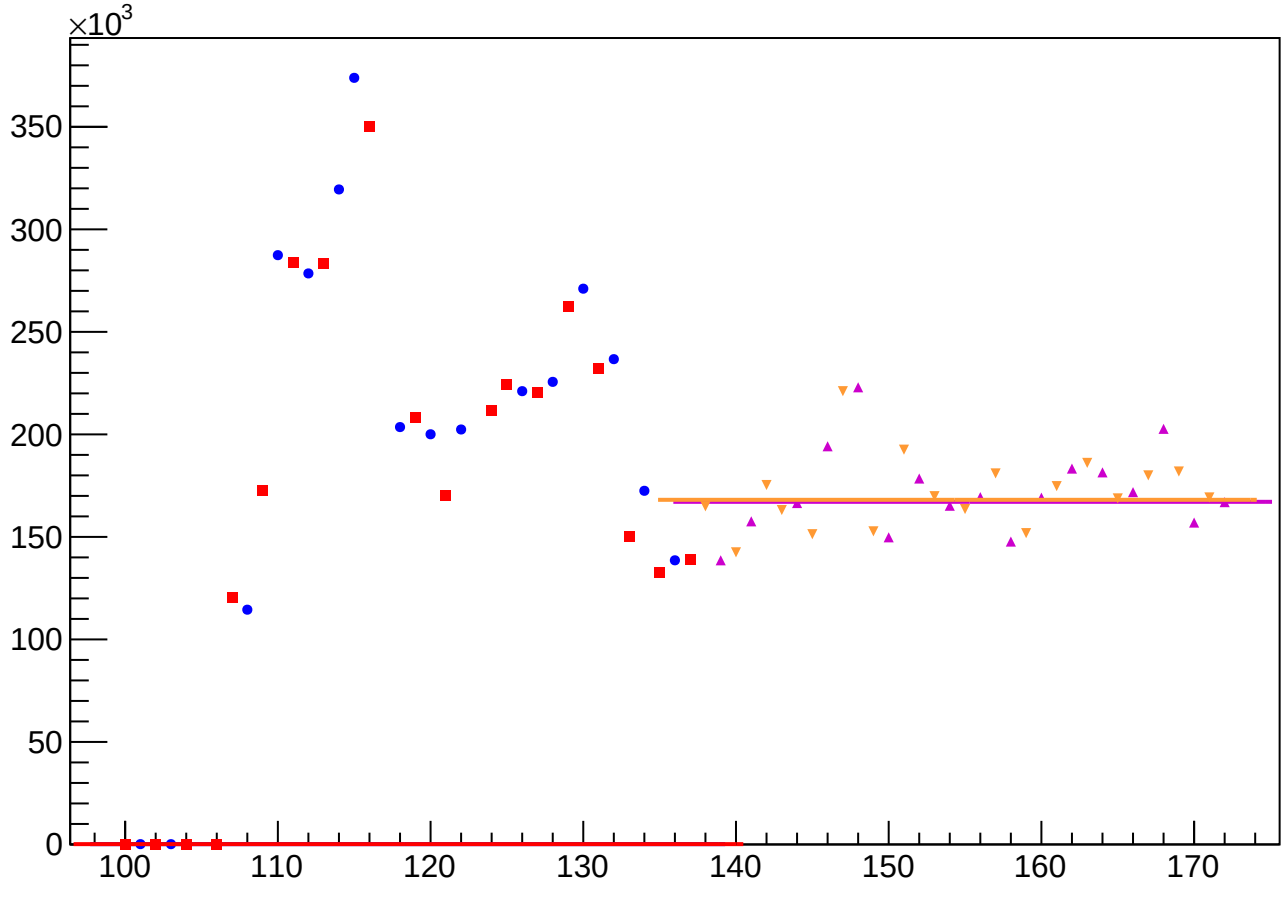
Left: 43.722+/-31.816 χ^2/NDF: 46.2/34

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:33.1/36

All: -0.098+/-0.121 χ^2/NDF: 74.6/69



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 168091.259+/-31.766 χ^2/NDF:277578.2/17

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: 167602.748+/-22.497 χ^2/NDF: 634275.6/34

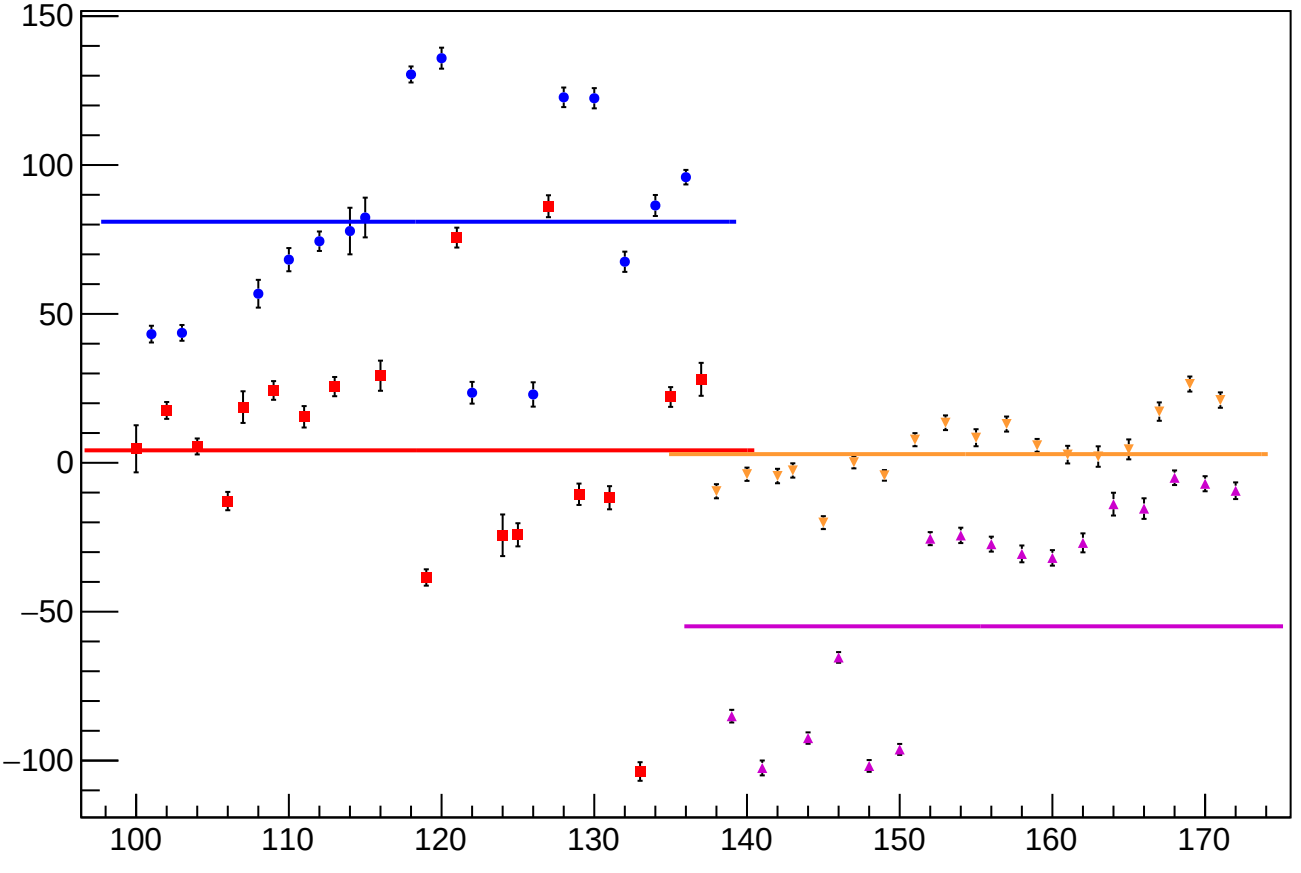
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 156.042+/-0.125 χ^2/NDF:39712240.4/32

Out: 158.464+/-0.118 χ^2/NDF:39556517.0/36

All: 157.329+/-0.086 χ^2/NDF: 79268955.8/69

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: 2.912+/-0.573 χ^2/NDF:383.7/17

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: -25.779+/-0.406 χ^2/NDF: 9440.5/34

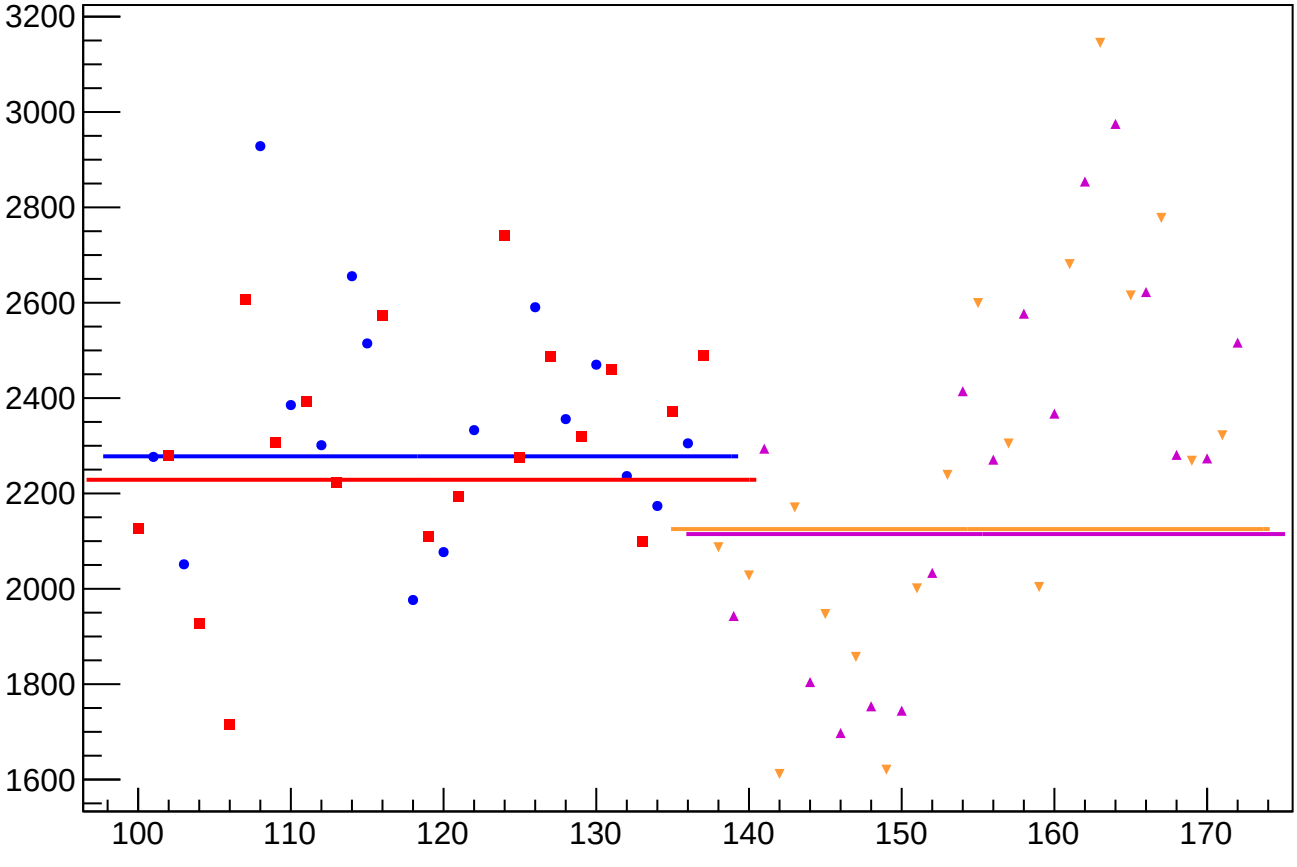
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -12.155+/-0.478 χ^2/NDF:23260.4/32

Out: 3.329+/-0.469 χ^2/NDF:3105.0/36

All: -4.280+/-0.335 χ^2/NDF: 26899.8/69

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2125.334+/-0.405 χ^2/NDF:782078.2/17

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: 2120.122+/-0.287 χ^2/NDF: 1533910.9/34

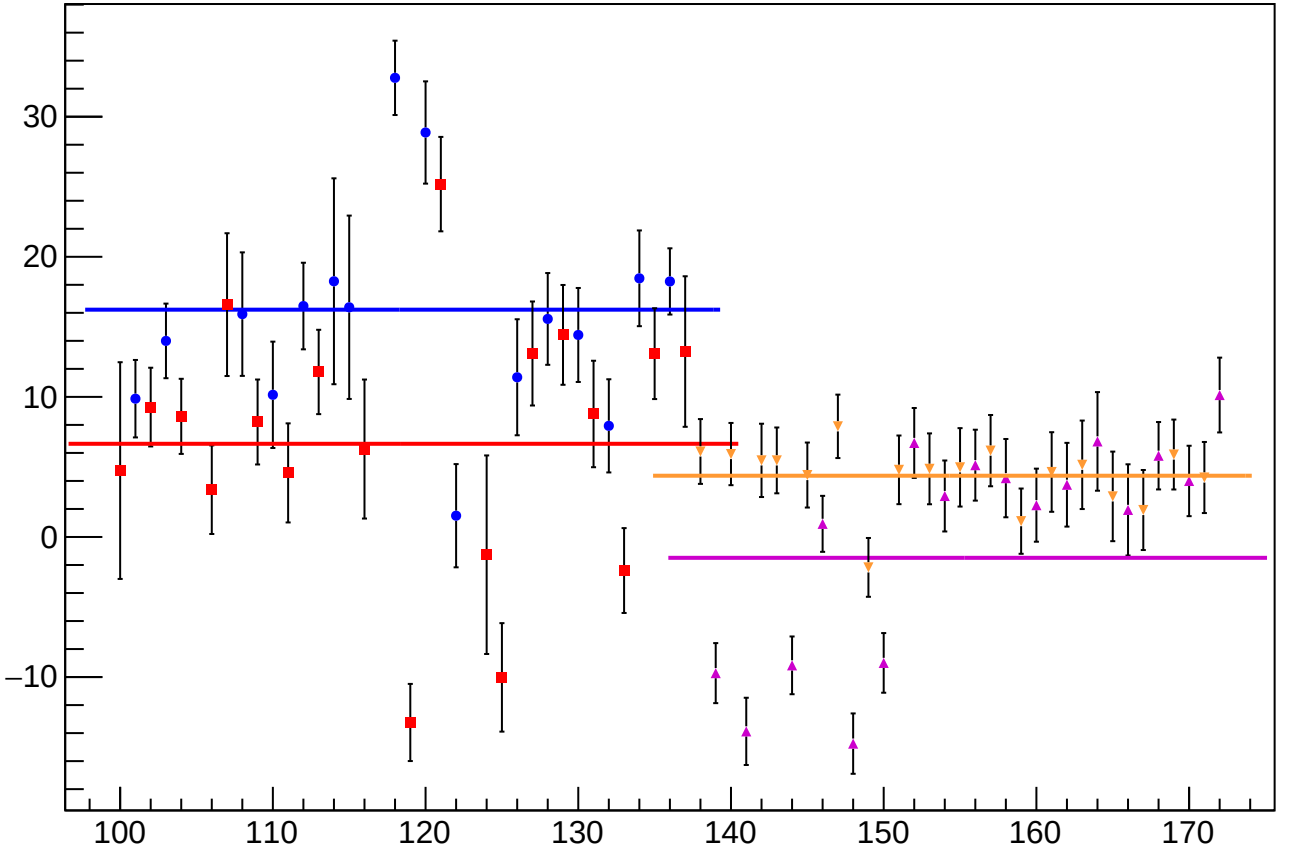
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2166.138+/-0.338 χ^2/NDF:917522.7/32

Out: 2159.206+/-0.332 χ^2/NDF:954568.9/36

All: 2162.612+/-0.237 χ^2/NDF: 1872305.9/69

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.373+/-0.590 χ^2/NDF:17.5/17

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: 1.471+/-0.419 χ^2/NDF: 242.9/34

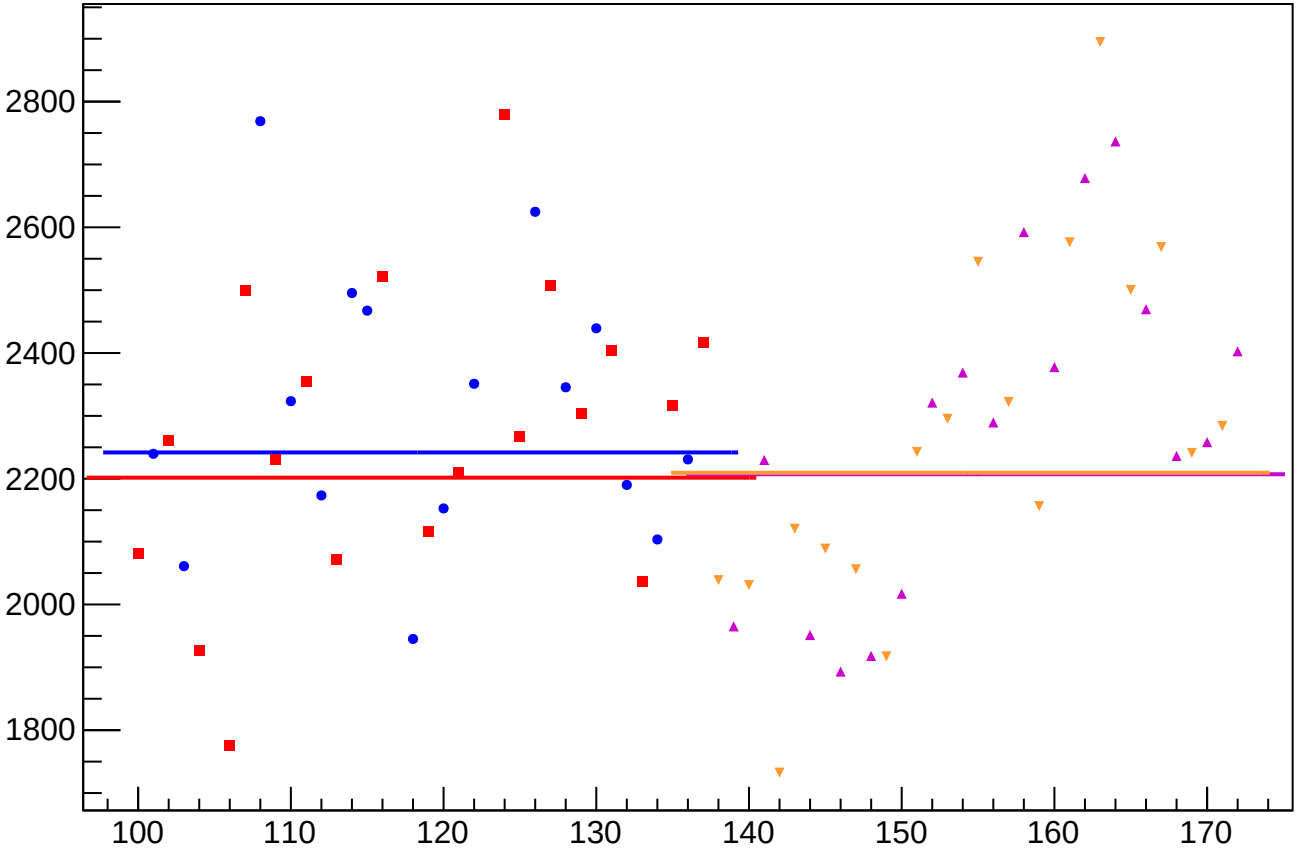
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.461+/-0.485 χ^2/NDF:558.1/32

Out: 5.163+/-0.477 χ^2/NDF:157.3/36

All: 4.818+/-0.340 χ^2/NDF: 716.4/69

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2209.517+/-0.417 χ^2/NDF:360556.1/17

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2207.140+/-0.421 χ^2/NDF:338651.7/16

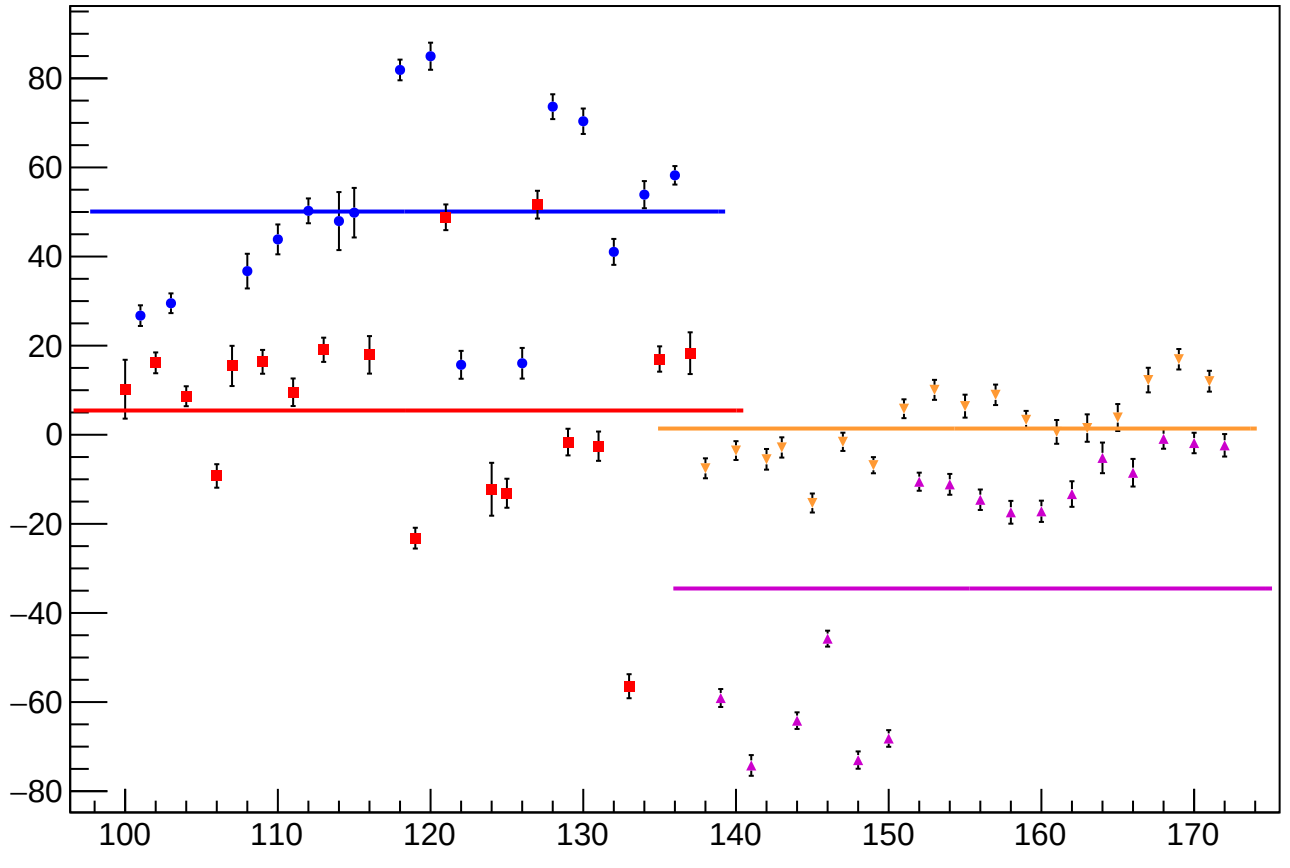
Left: 2208.340+/-0.296 χ^2/NDF: 699223.8/34

Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

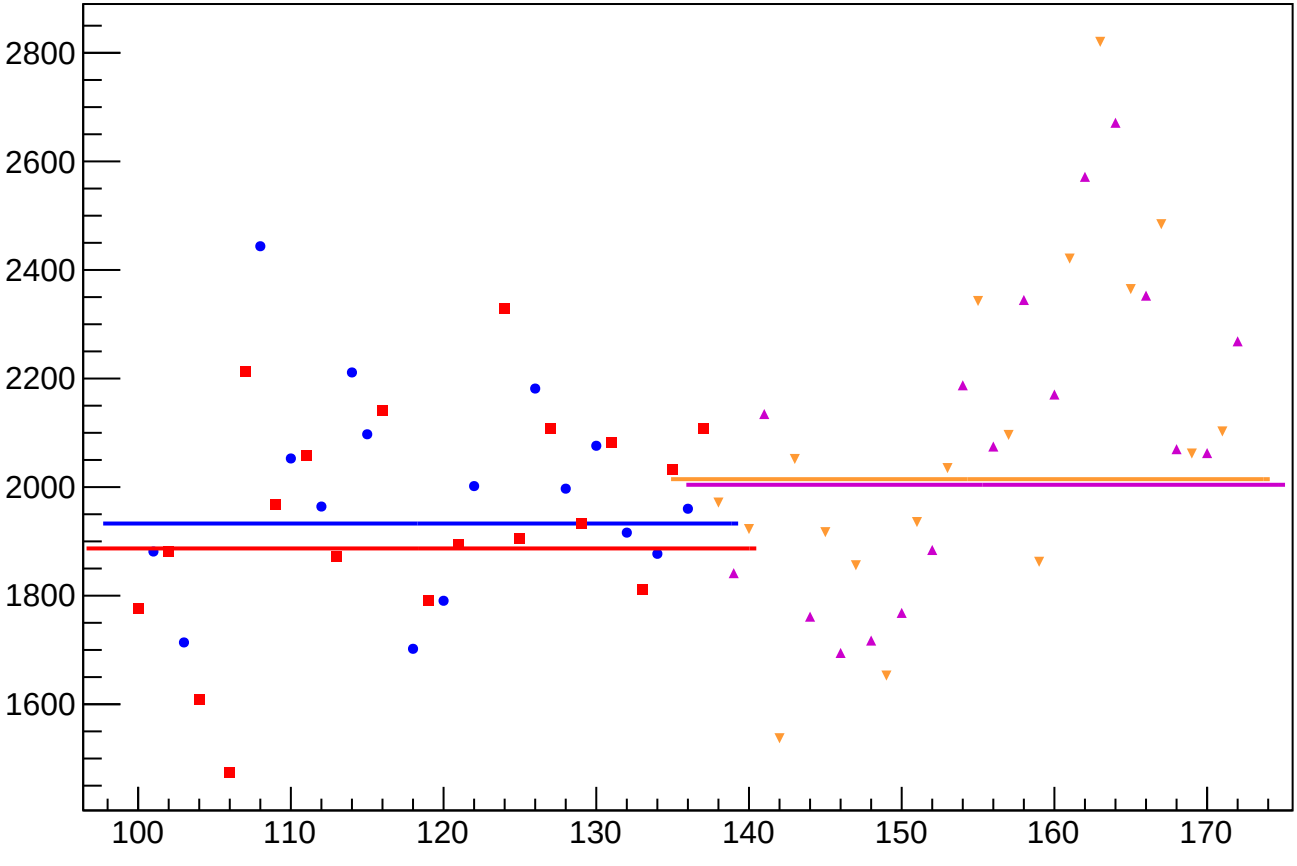
In: 2218.797+/-0.343 χ^2/NDF:443193.8/32

Out: 2206.819+/-0.337 χ^2/NDF:490559.3/36

All: 2212.699+/-0.240 χ^2/NDF: 934373.2/69


diff_bpm0i01aX_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: 50.102+/-0.722 χ²/NDF: 888.5/15
Left Out: 1.394+/-0.540 χ²/NDF:235.6/17
Right Out: 5.444+/-0.694 χ²/NDF: 1311.6/18
Left In: -34.508+/-0.544 χ²/NDF:2652.0/16
Left: -16.428+/-0.383 χ²/NDF: 5084.8/34
Right: 26.895+/-0.500 χ²/NDF: 4187.6/34
In: -3.908+/-0.434 χ²/NDF:12304.0/32
Out: 2.919+/-0.426 χ²/NDF:1568.4/36
All: -0.429+/-0.304 χ²/NDF: 13998.3/69

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 2014.636+/-0.382 χ^2/NDF:506380.3/17

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 2004.280+/-0.384 χ^2/NDF:458726.3/16

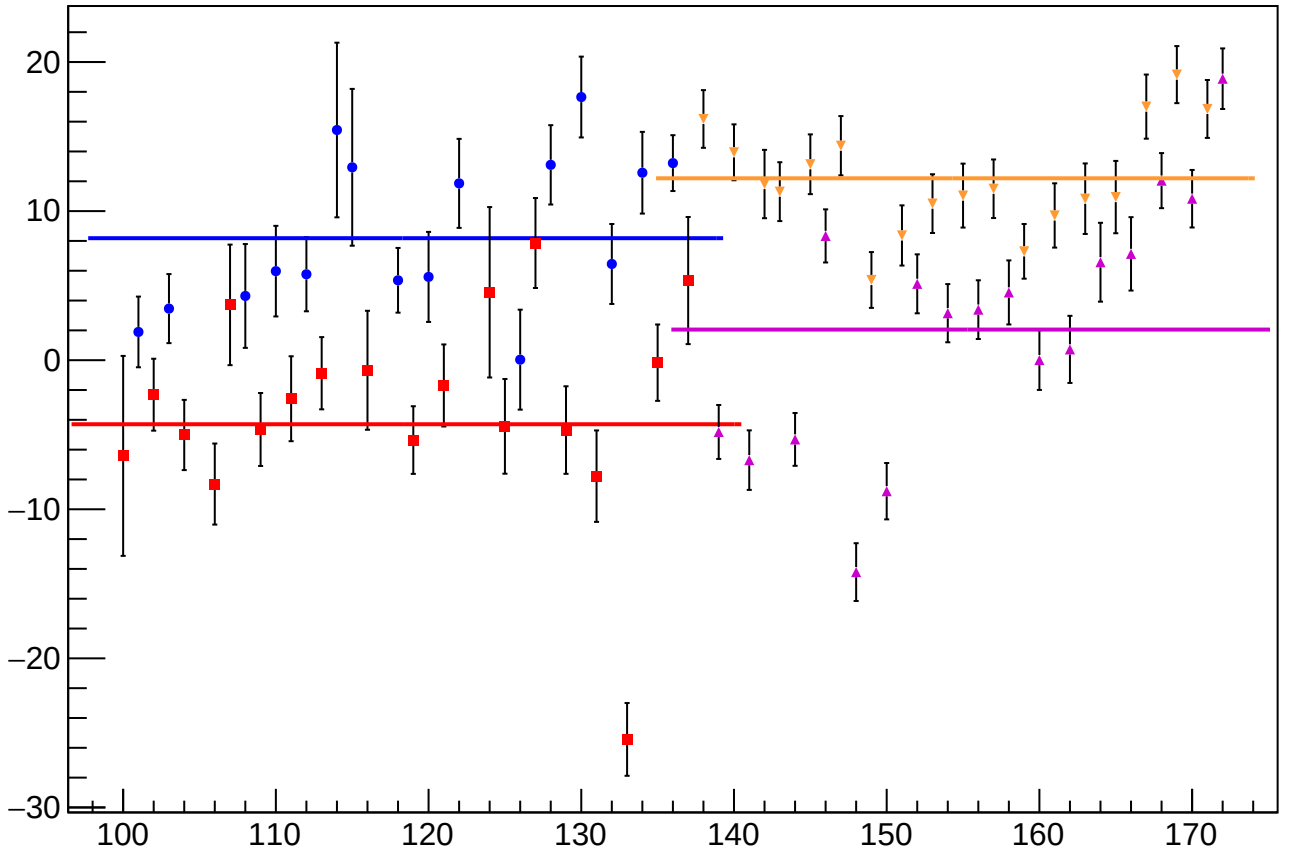
Left: 2009.495+/-0.271 χ^2/NDF: 965472.2/34

Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1978.466+/-0.307 χ^2/NDF:577166.3/32

Out: 1966.566+/-0.301 χ^2/NDF:698260.4/36

All: 1972.403+/-0.215 χ^2/NDF: 1276191.8/69



Right In: 8.183+/-0.684 χ^2/NDF: 52.0/15

Left Out: 12.201+/-0.478 χ^2/NDF:57.8/17

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: 7.183+/-0.340 χ^2/NDF: 579.3/34

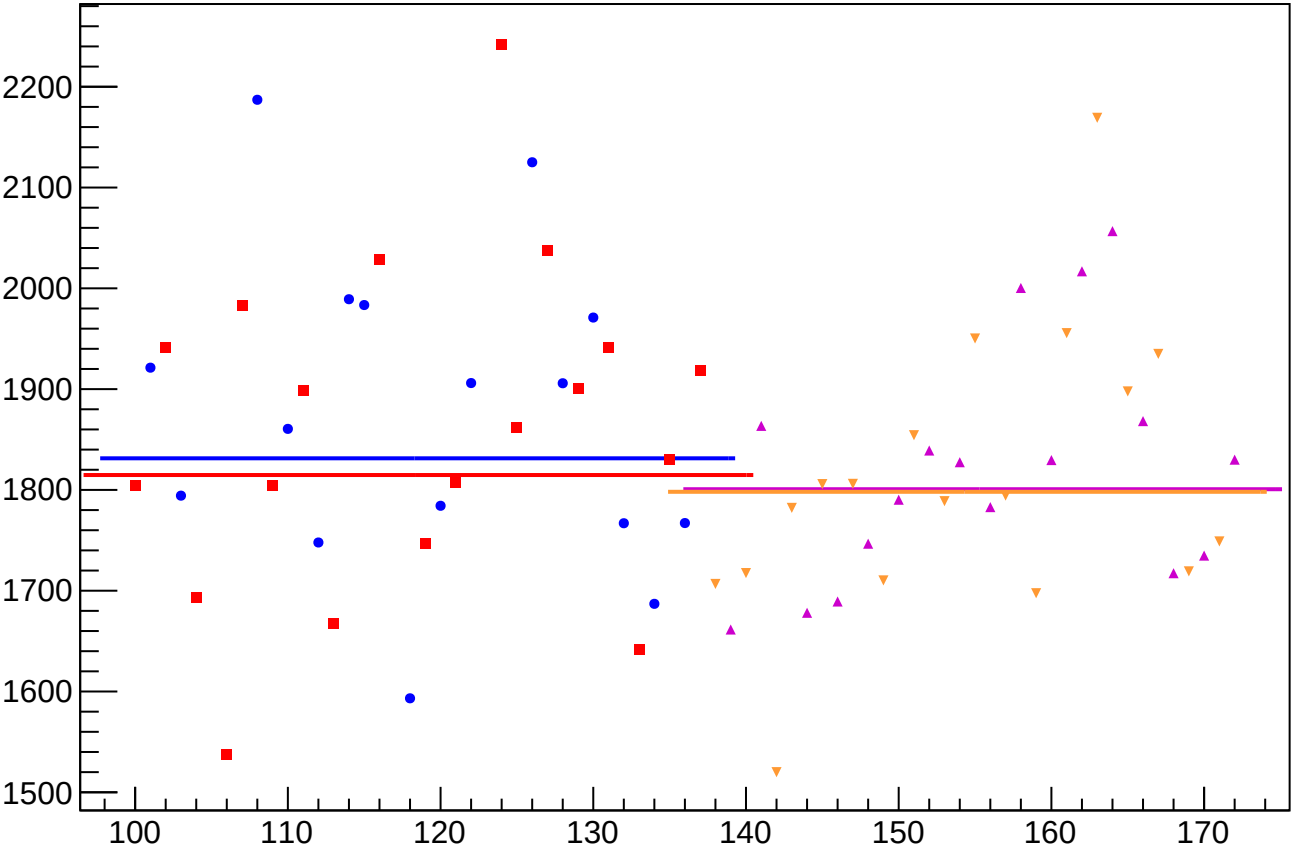
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 4.095+/-0.394 χ^2/NDF:403.9/32

Out: 6.590+/-0.388 χ^2/NDF:577.4/36

All: 5.363+/-0.277 χ^2/NDF: 1001.6/69

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1798.139+/-0.338 χ^2/NDF:135923.5/17

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: 1799.402+/-0.240 χ^2/NDF: 233308.0/34

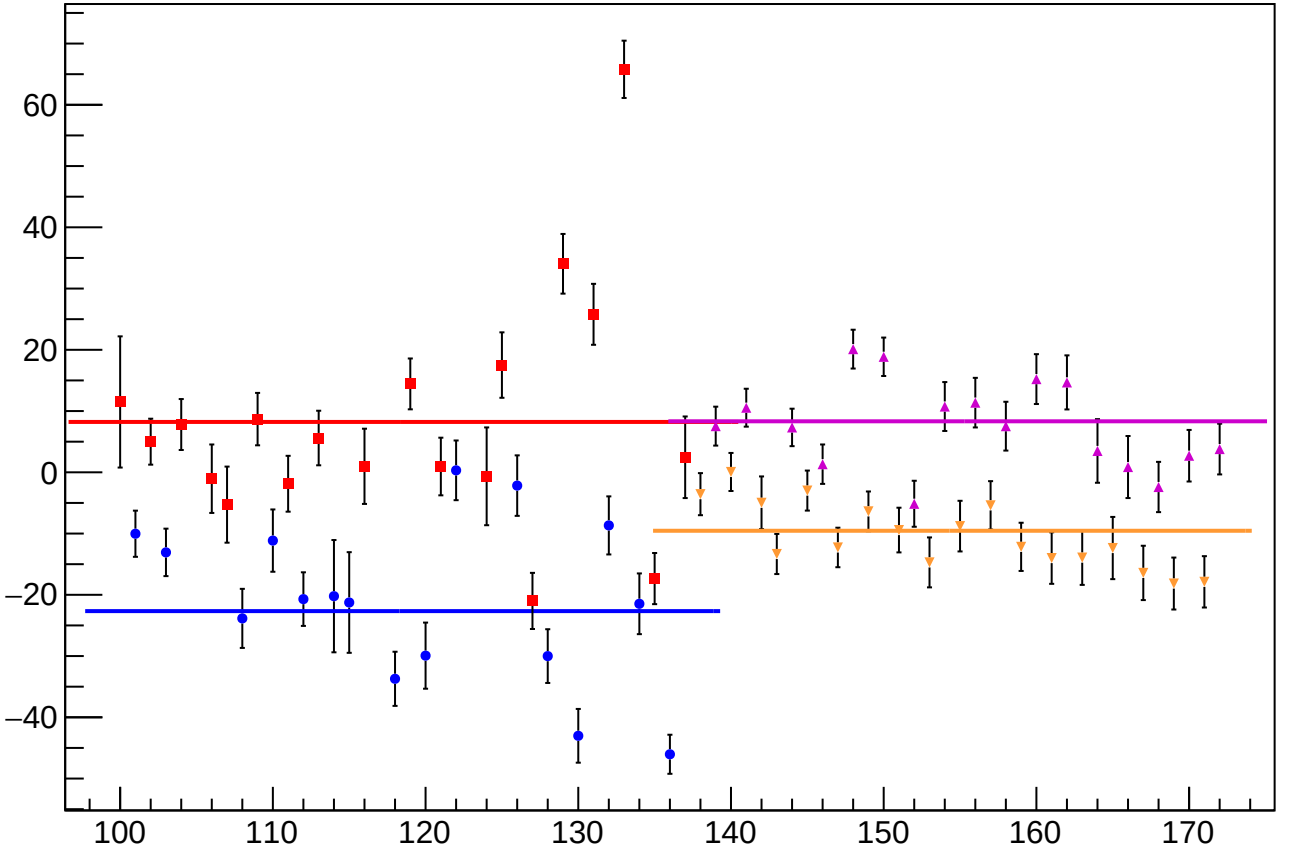
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1810.904+/-0.279 χ^2/NDF:186960.3/32

Out: 1803.797+/-0.274 χ^2/NDF:227486.9/36

All: 1807.293+/-0.196 χ^2/NDF: 414777.1/69

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -9.544+/-0.894 χ^2/NDF:36.8/17

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 8.327+/-0.903 χ^2/NDF:62.1/16

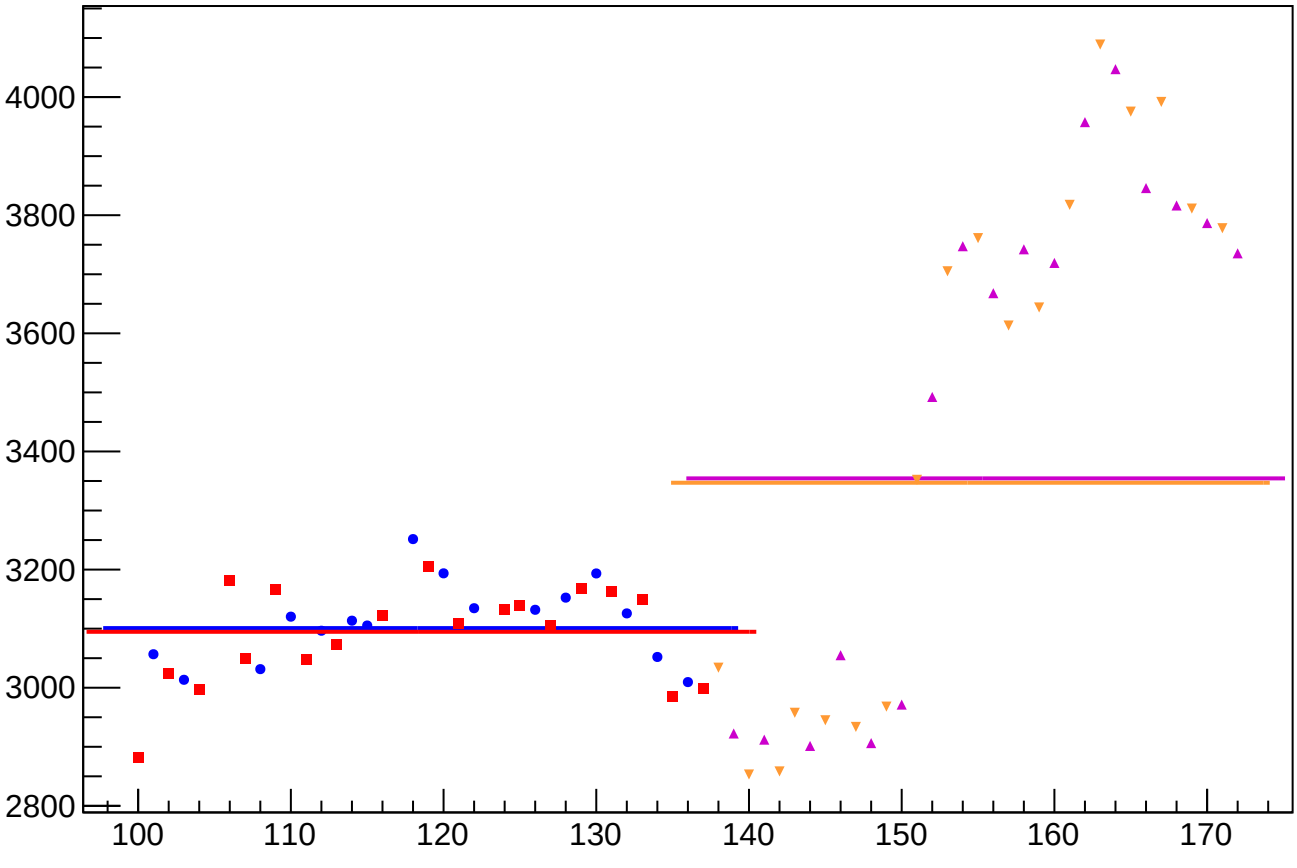
Left: -0.695+/-0.635 χ^2/NDF: 296.9/34

Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -3.461+/-0.710 χ^2/NDF:667.8/32

Out: -2.697+/-0.701 χ^2/NDF:483.9/36

All: -3.074+/-0.499 χ^2/NDF: 1152.3/69



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3347.045+/-0.632 χ^2/NDF:466027.0/17

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 3354.415+/-0.638 χ^2/NDF:432994.5/16

Left: 3350.694+/-0.449 χ^2/NDF: 899088.9/34

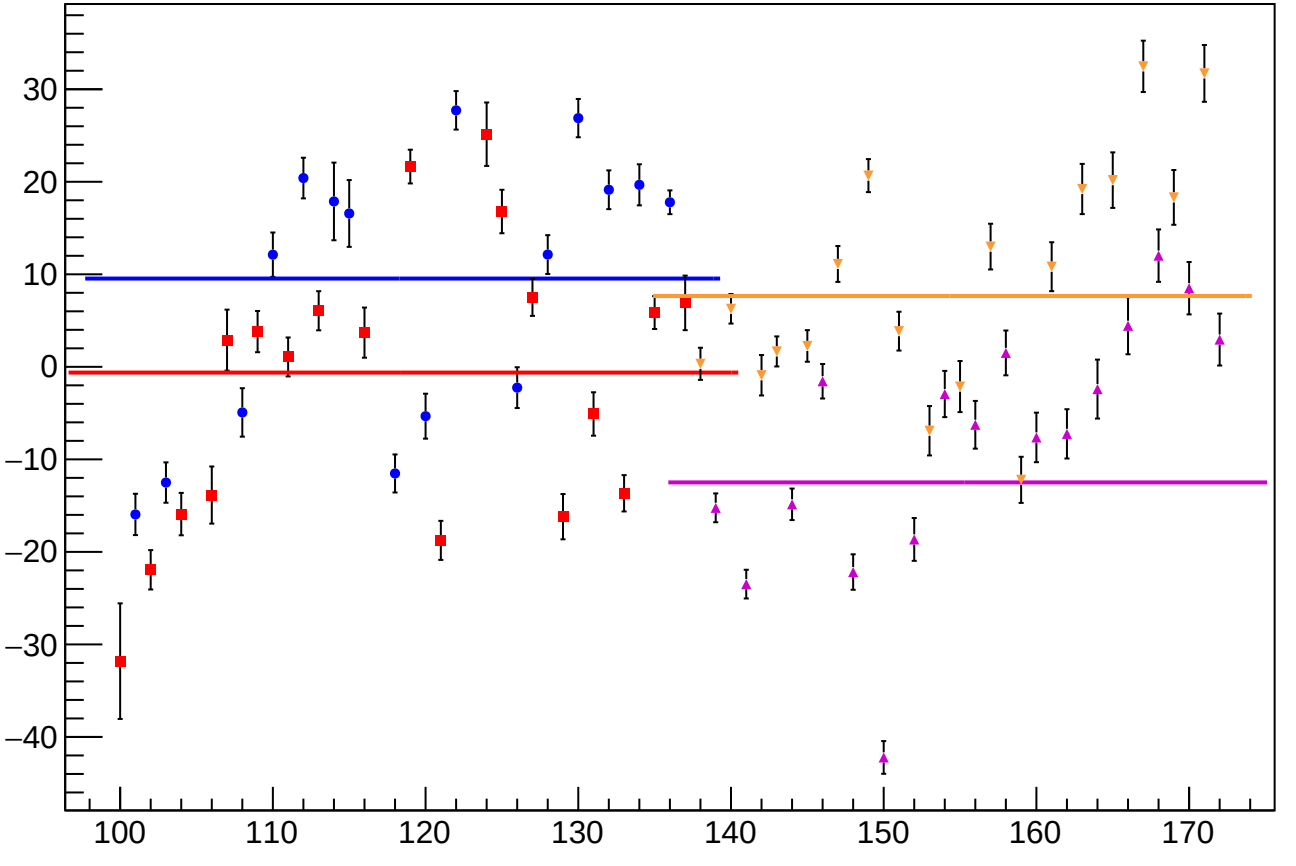
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3257.995+/-0.502 χ^2/NDF:500889.5/32

Out: 3249.792+/-0.496 χ^2/NDF:536048.8/36

All: 3253.837+/-0.353 χ^2/NDF: 1037073.5/69

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 7.654+/-0.513 χ^2/NDF:419.0/17

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: -2.120+/-0.368 χ^2/NDF: 1833.4/34

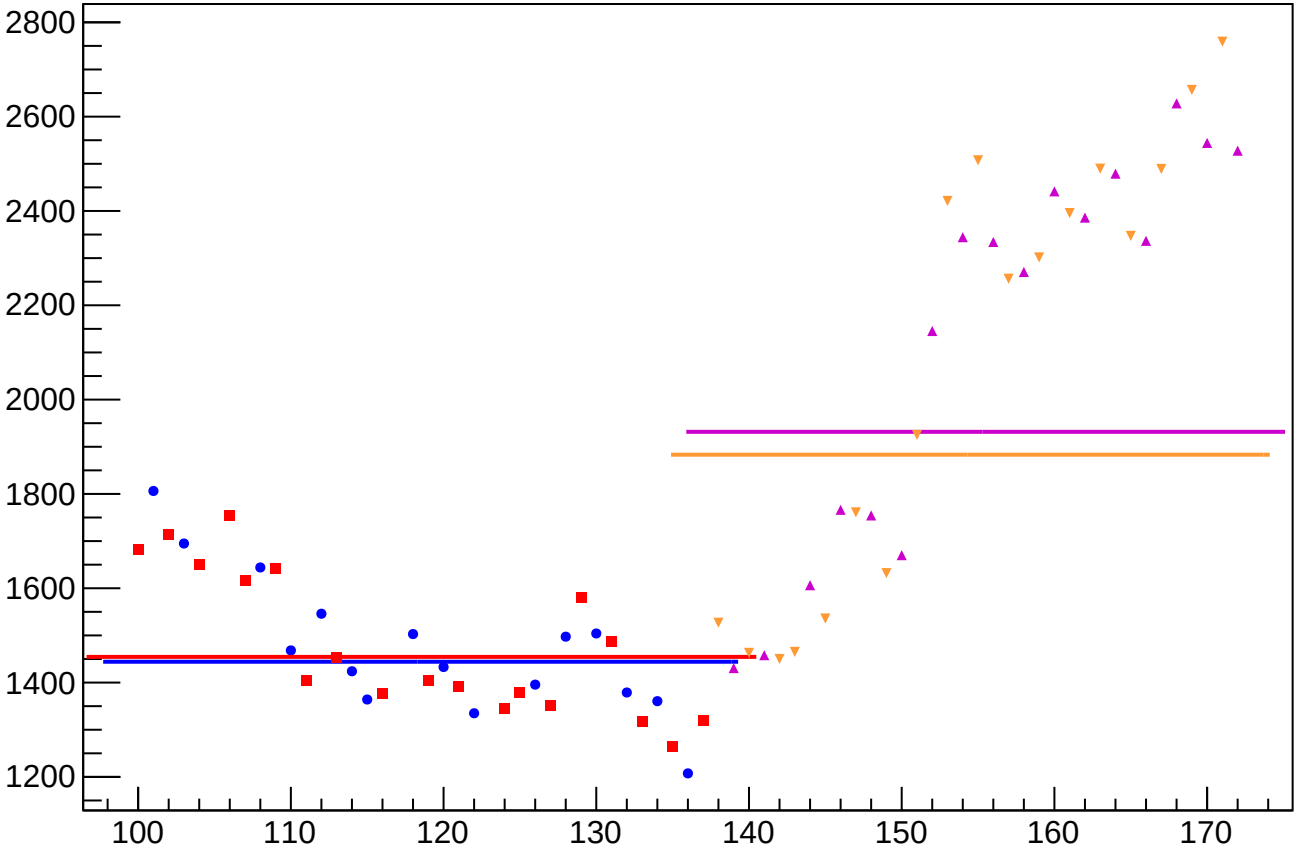
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: -1.739+/-0.378 χ^2/NDF:2213.2/32

Out: 3.684+/-0.370 χ^2/NDF:1209.7/36

All: 1.031+/-0.264 χ^2/NDF: 3527.9/69

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1883.190+/-0.363 χ^2/NDF:1467903.7/17

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: 1906.725+/-0.260 χ^2/NDF: 2708147.0/34

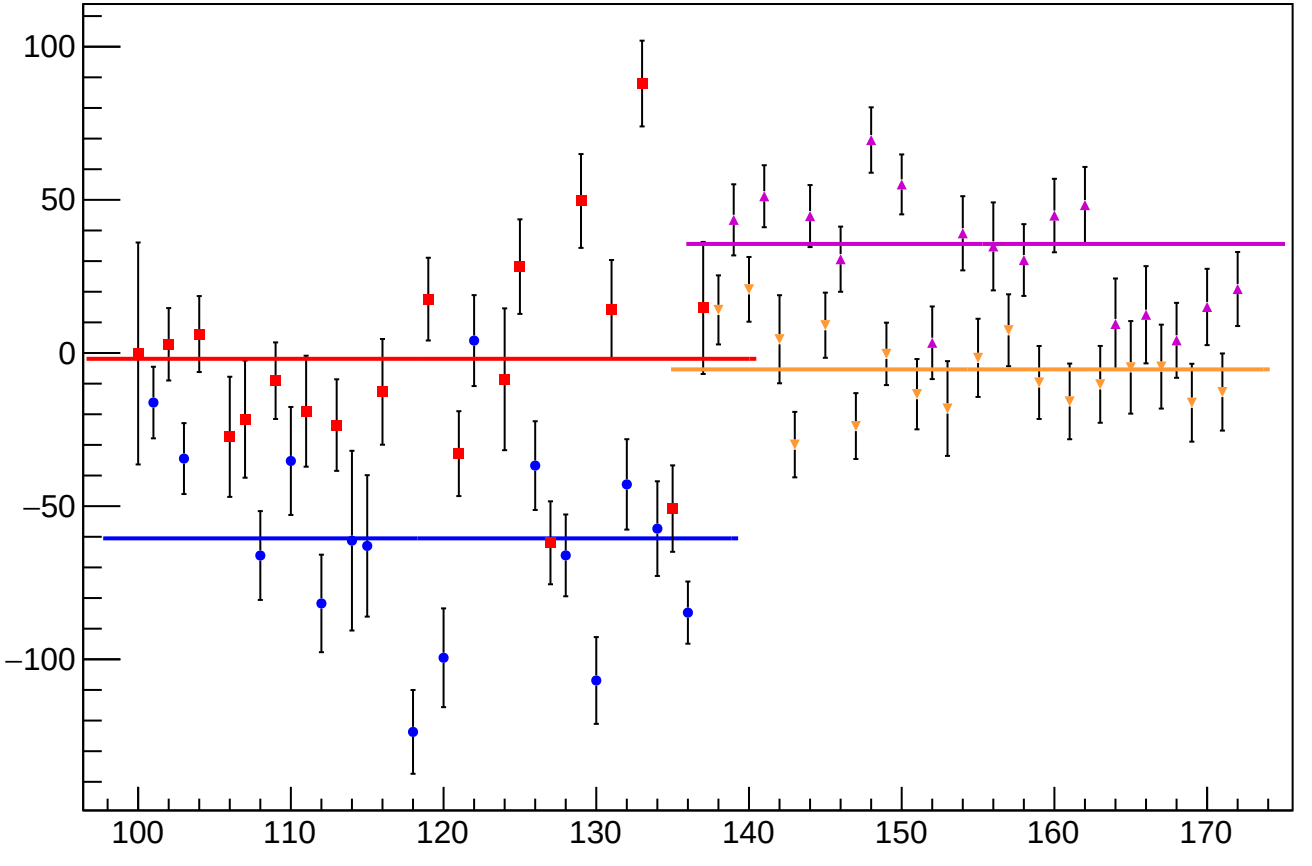
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1693.793+/-0.267 χ^2/NDF:2242304.0/32

Out: 1677.443+/-0.262 χ^2/NDF:2280864.8/36

All: 1685.440+/-0.187 χ^2/NDF: 4525078.8/69

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -5.347+/-2.830 χ^2/NDF:24.4/17

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: 14.972+/-2.009 χ^2/NDF: 171.6/34

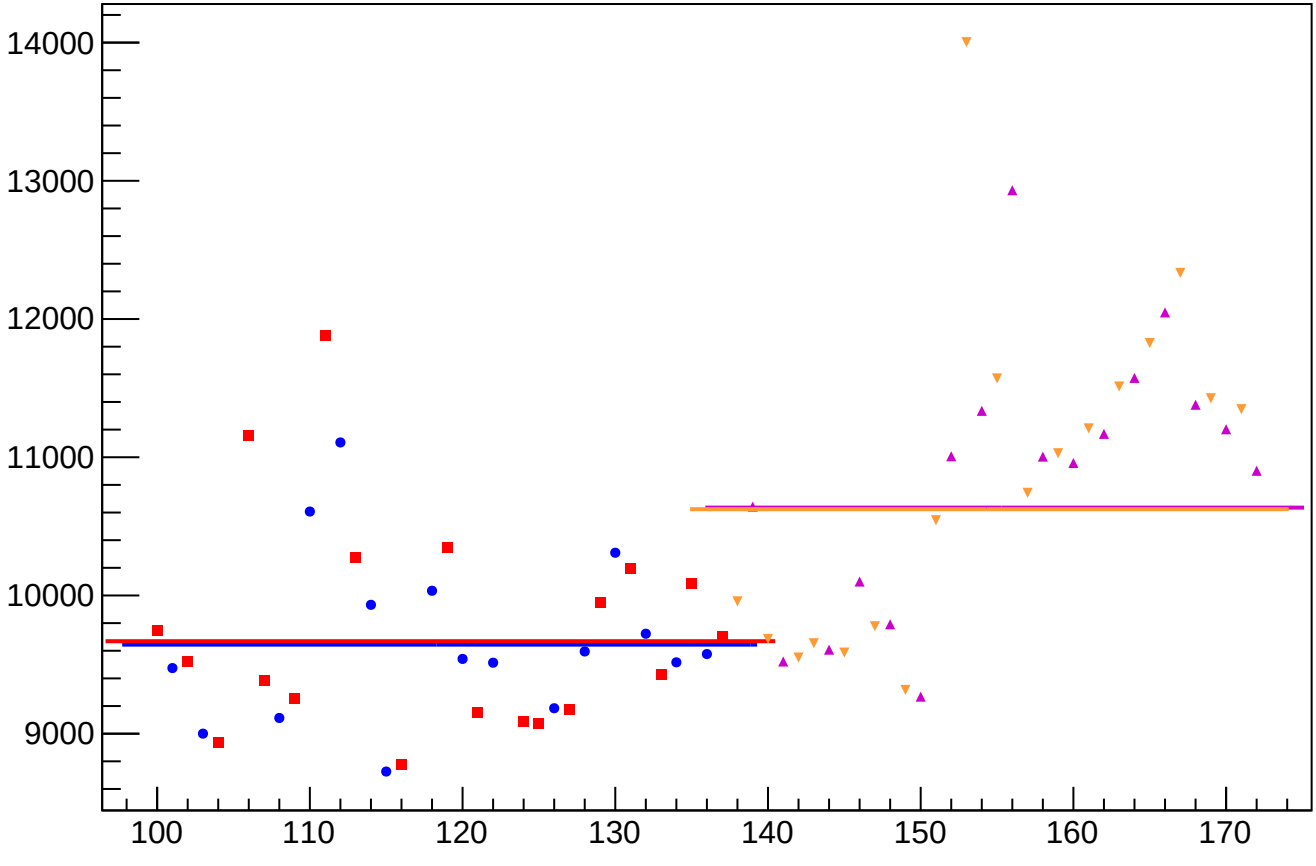
Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

In: -1.508+/-2.235 χ^2/NDF:572.2/32

Out: -4.002+/-2.211 χ^2/NDF:128.8/36

All: -2.768+/-1.572 χ^2/NDF: 701.6/69

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9644.396+/-2.543 χ^2/NDF: 44101.6/15

Left Out: 10624.087+/-2.001 χ^2/NDF:296696.8/17

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: 10629.810+/-1.421 χ^2/NDF: 501405.2/34

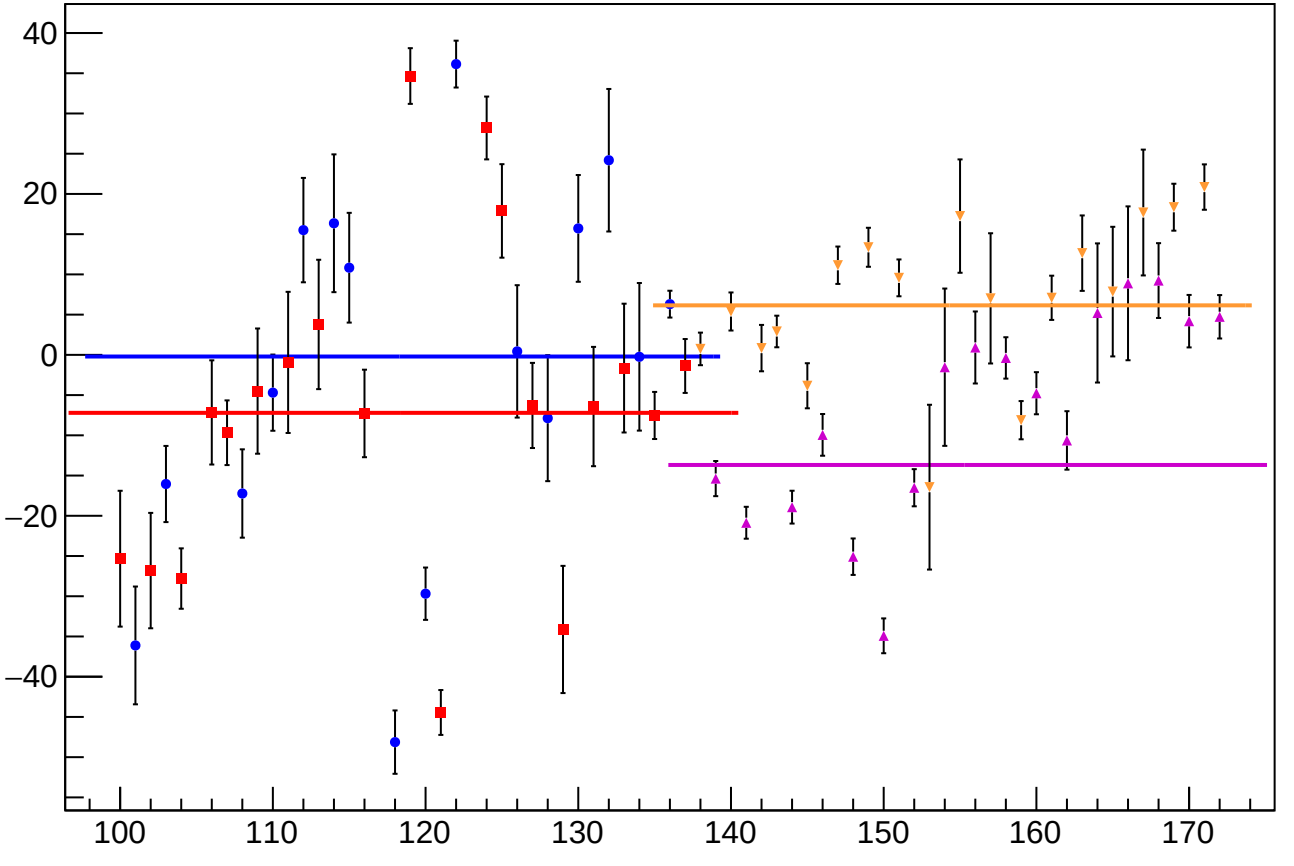
Right: 9656.951+/-1.785 χ^2/NDF: 124027.7/34

In: 10252.888+/-1.580 χ^2/NDF:342066.9/32

Out: 10252.099+/-1.564 χ^2/NDF:465280.4/36

All: 10252.489+/-1.111 χ^2/NDF: 807347.4/69

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 6.154+/-0.682 χ^2/NDF:134.2/17

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: -3.841+/-0.480 χ^2/NDF: 868.7/34

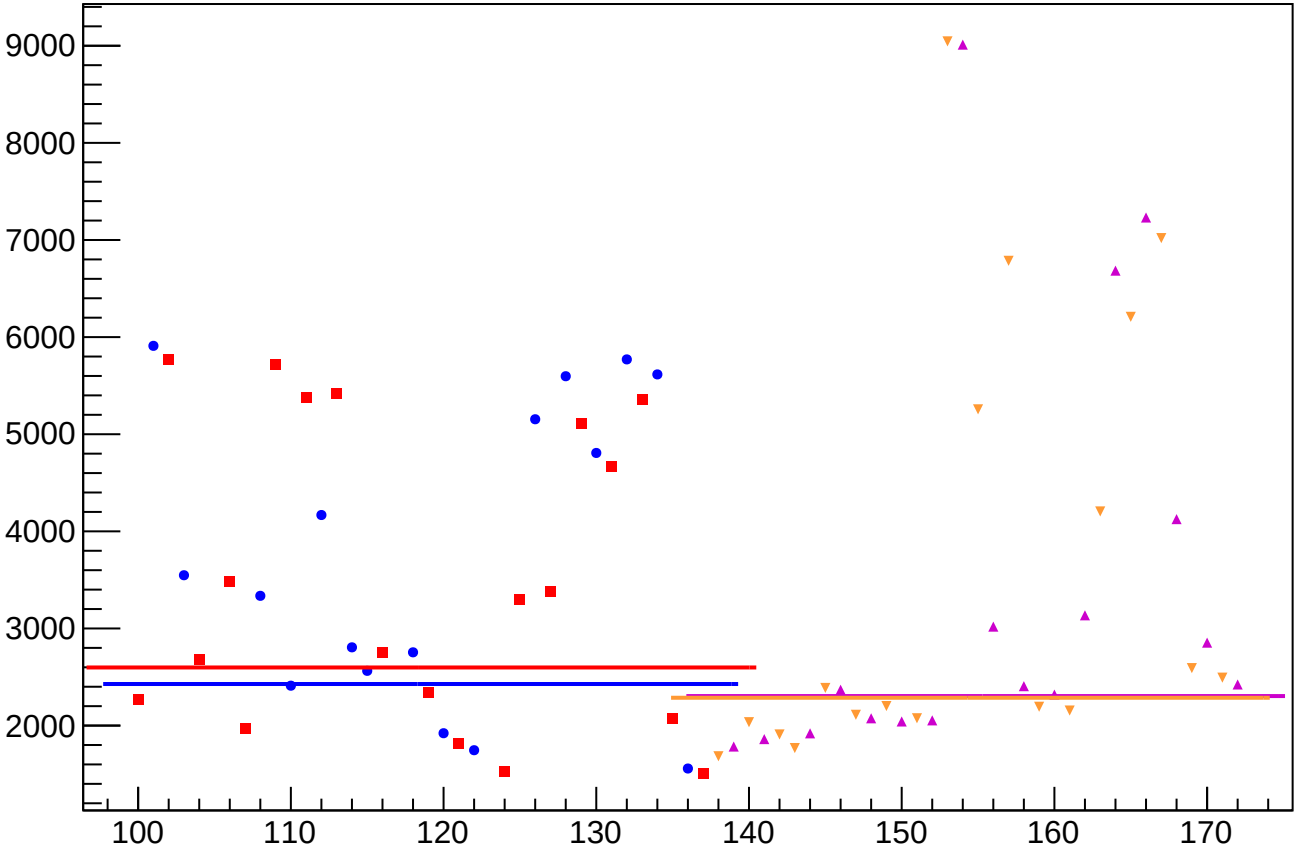
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -9.705+/-0.568 χ^2/NDF:898.9/32

Out: 2.315+/-0.576 χ^2/NDF:730.1/36

All: -3.775+/-0.404 χ^2/NDF: 1850.0/69

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2286.517+/-0.482 χ^2/NDF:3833896.4/17

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: 2295.280+/-0.340 χ^2/NDF: 6705870.9/34

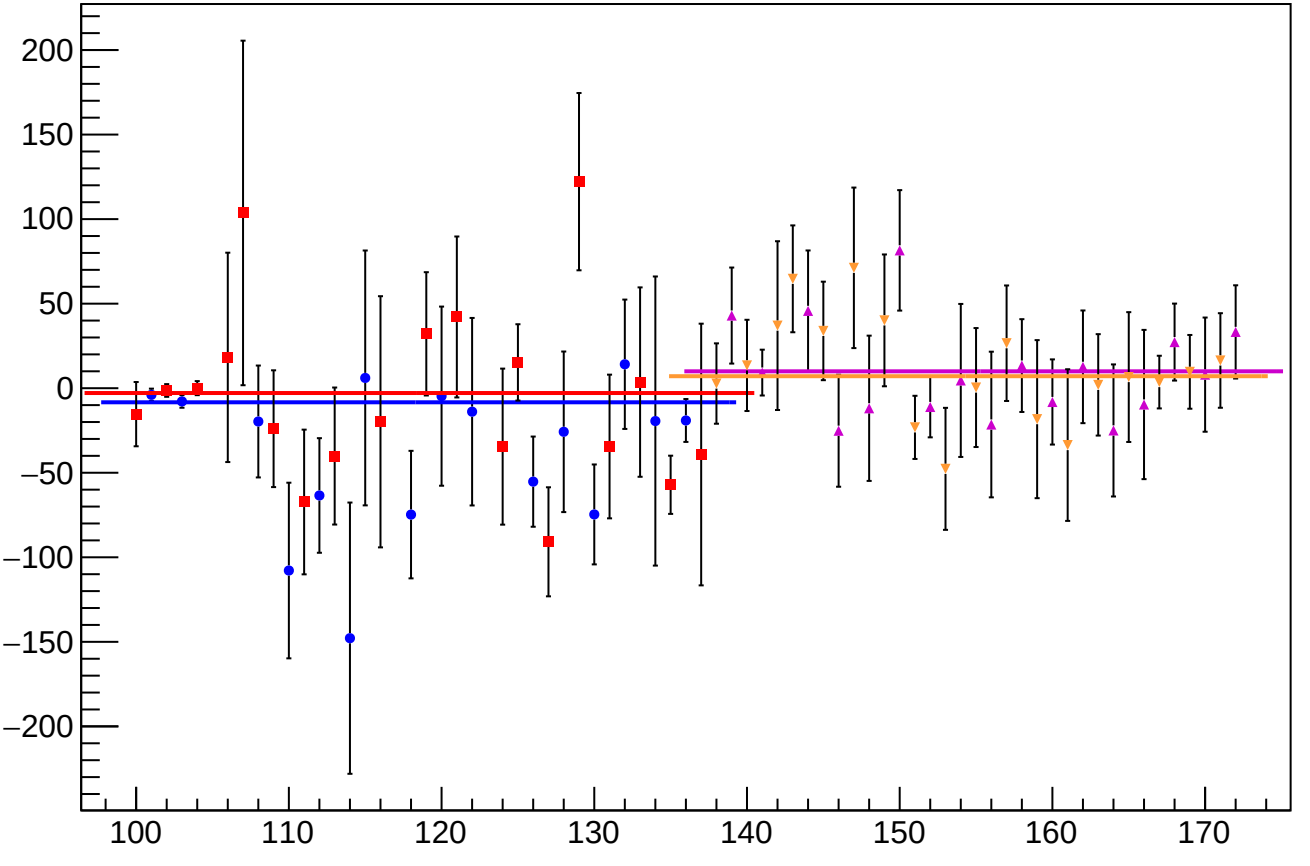
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2340.567+/-0.402 χ^2/NDF:5706542.0/32

Out: 2376.121+/-0.407 χ^2/NDF:6469042.1/36

All: 2358.109+/-0.286 χ^2/NDF: 12179450.5/6

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 7.098+/-6.685 χ^2/NDF:13.8/17

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 9.990+/-6.604 χ^2/NDF:12.5/16

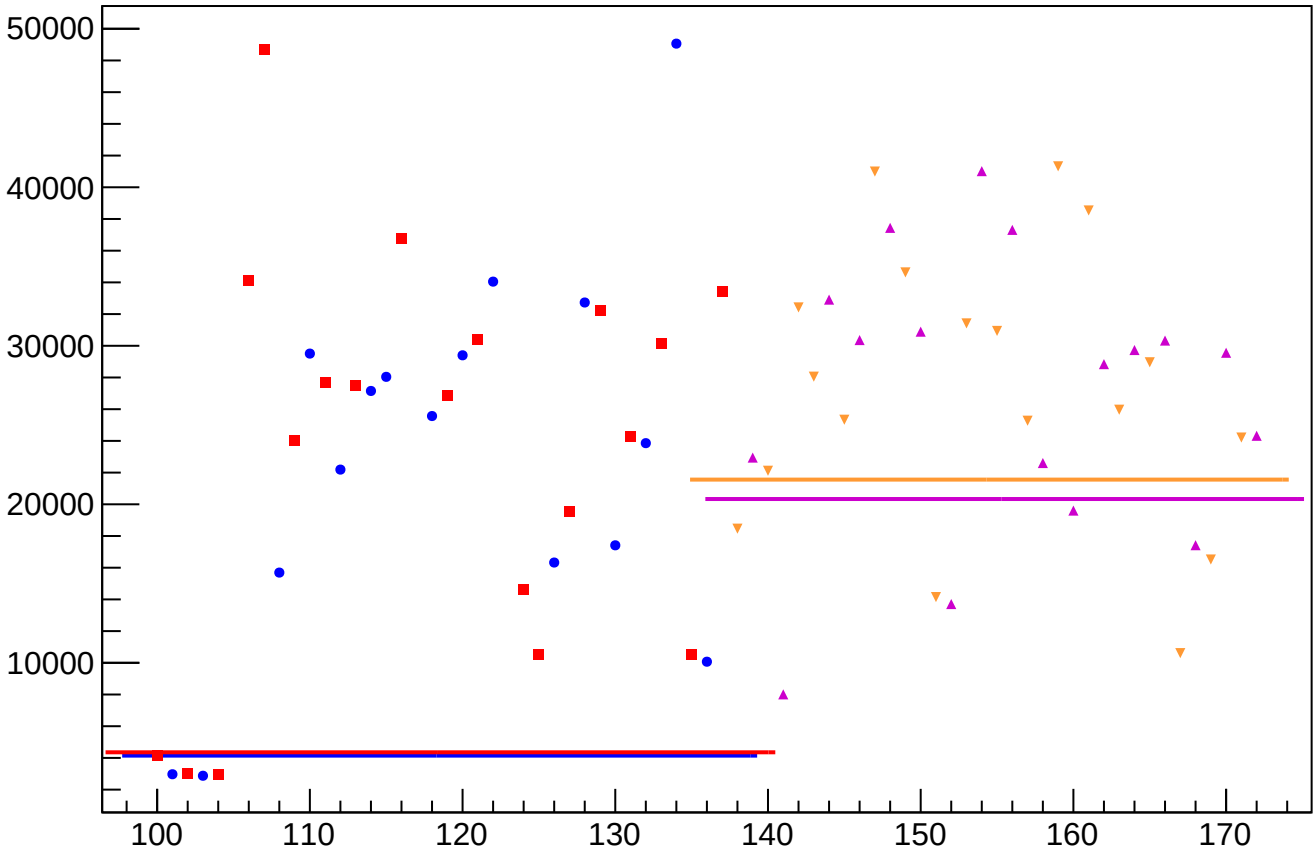
Left: 8.562+/-4.698 χ^2/NDF: 26.4/34

Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -6.037+/-2.338 χ^2/NDF:42.7/32

Out: -1.506+/-2.455 χ^2/NDF:48.3/36

All: -3.883+/-1.693 χ^2/NDF: 92.8/69



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 21557.950+/-4.727 χ^2/NDF:3312723.2/17

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: 20938.002+/-3.322 χ^2/NDF: 7531041.0/34

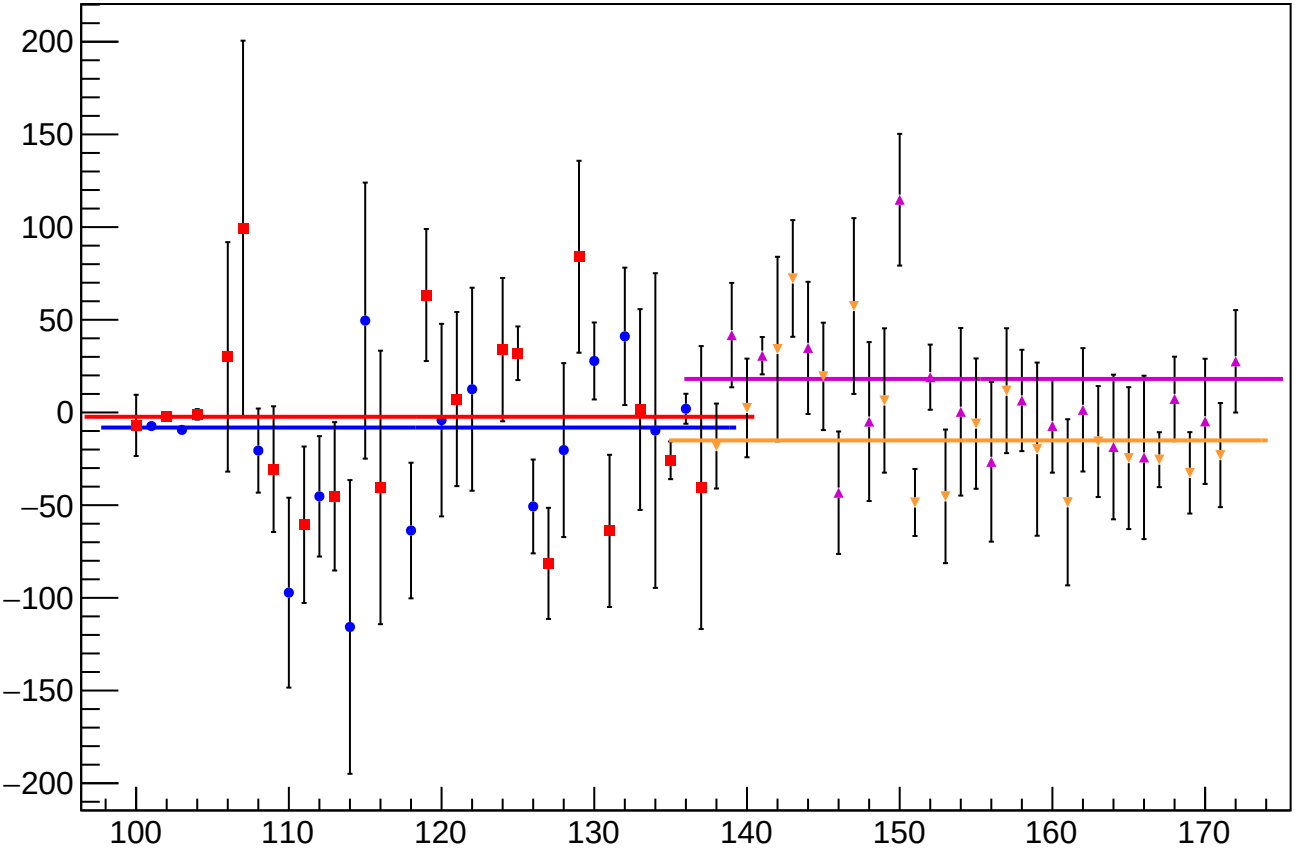
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 6174.120+/-1.653 χ^2/NDF:21533119.6/32

Out: 6674.878+/-1.736 χ^2/NDF:22396659.7/36

All: 6412.223+/-1.197 χ^2/NDF: 43973421.2/6

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -15.066+/-6.564 χ^2/NDF:19.9/17

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: 2.933+/-4.439 χ^2/NDF: 52.6/34

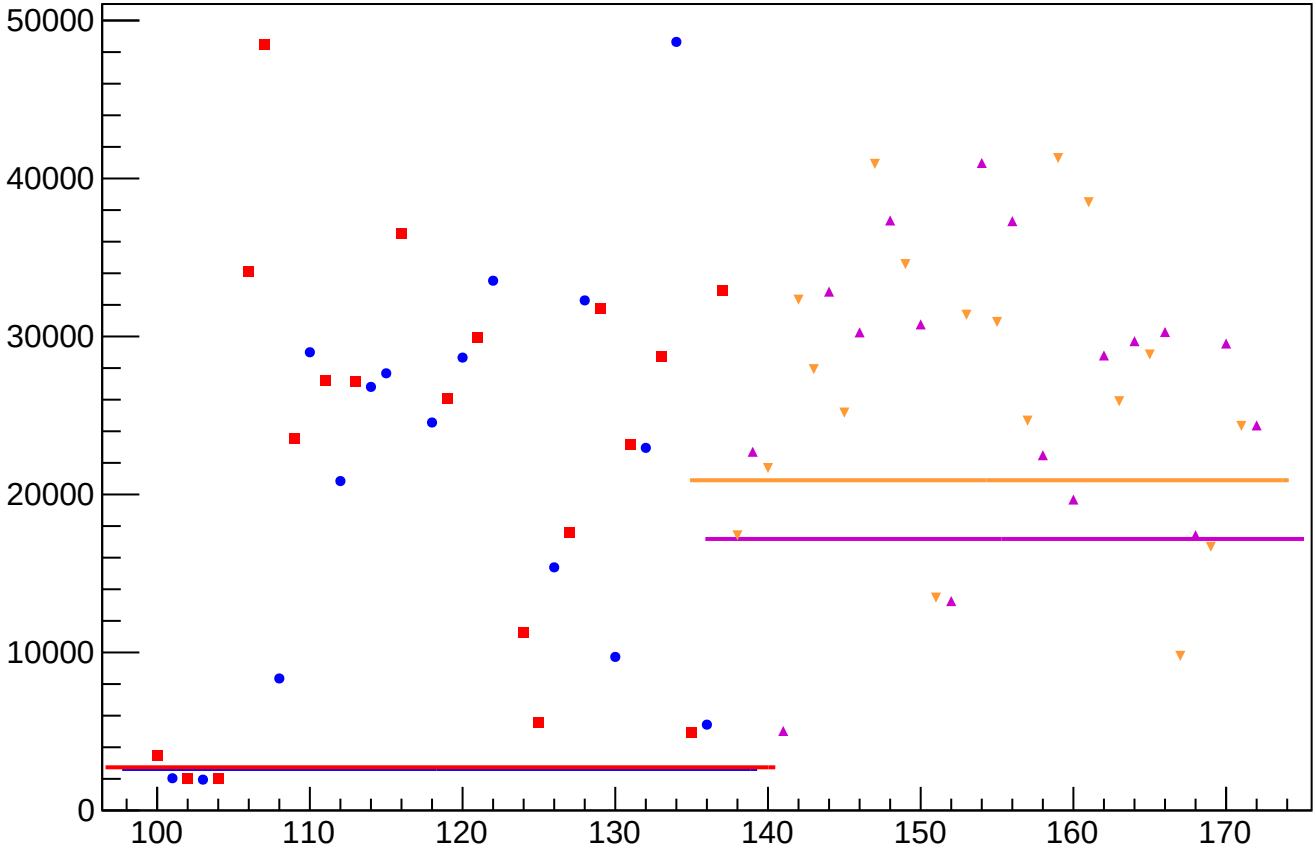
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.155+/-1.654 χ^2/NDF:55.5/32

Out: -3.236+/-1.755 χ^2/NDF:56.4/36

All: -4.782+/-1.204 χ^2/NDF: 113.4/69

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 20899.783+/-4.641 χ^2/NDF:3658292.8/17

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: 18883.367+/-3.139 χ^2/NDF: 10649322.5/34

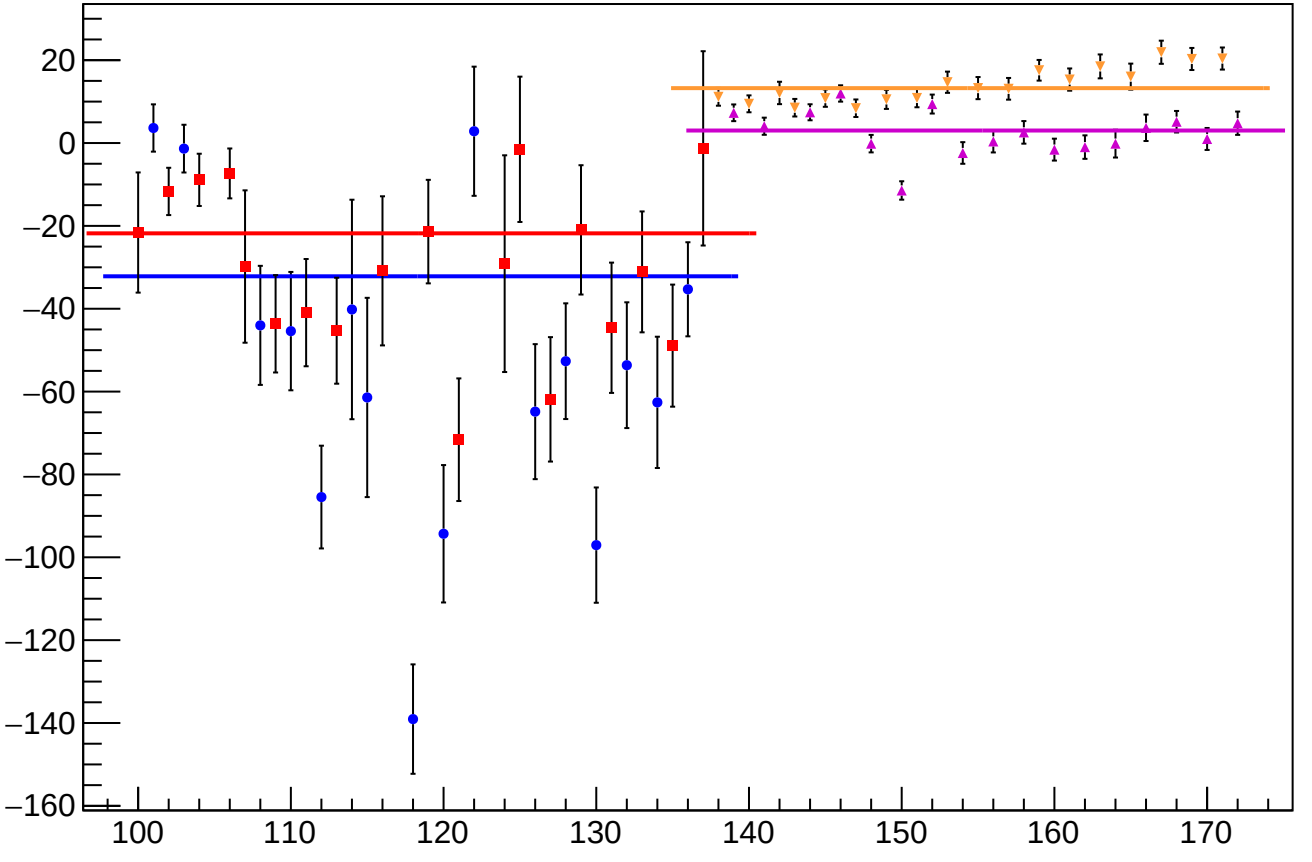
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 3723.576+/-1.170 χ^2/NDF:24216755.6/32

Out: 4029.583+/-1.241 χ^2/NDF:25872968.7/36

All: 3867.520+/-0.851 χ^2/NDF: 50121915.2/6

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 13.250+/-0.575 χ^2/NDF:50.4/17

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: 8.229+/-0.410 χ^2/NDF: 301.8/34

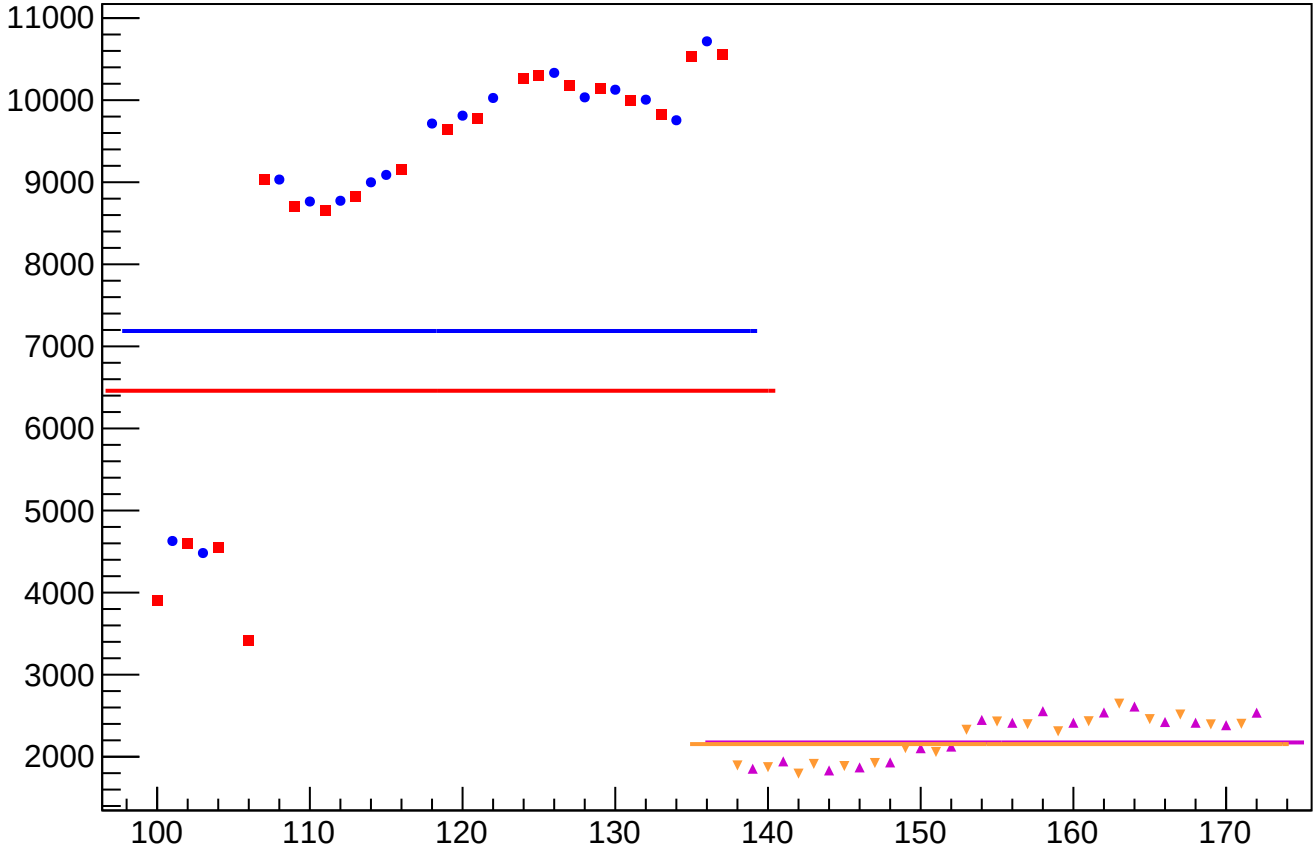
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 1.587+/-0.574 χ^2/NDF:450.9/32

Out: 11.564+/-0.561 χ^2/NDF:278.3/36

All: 6.686+/-0.401 χ^2/NDF: 883.8/69

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2154.295+/-0.407 χ^2/NDF:410463.9/17

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: 2164.046+/-0.290 χ^2/NDF: 862451.5/34

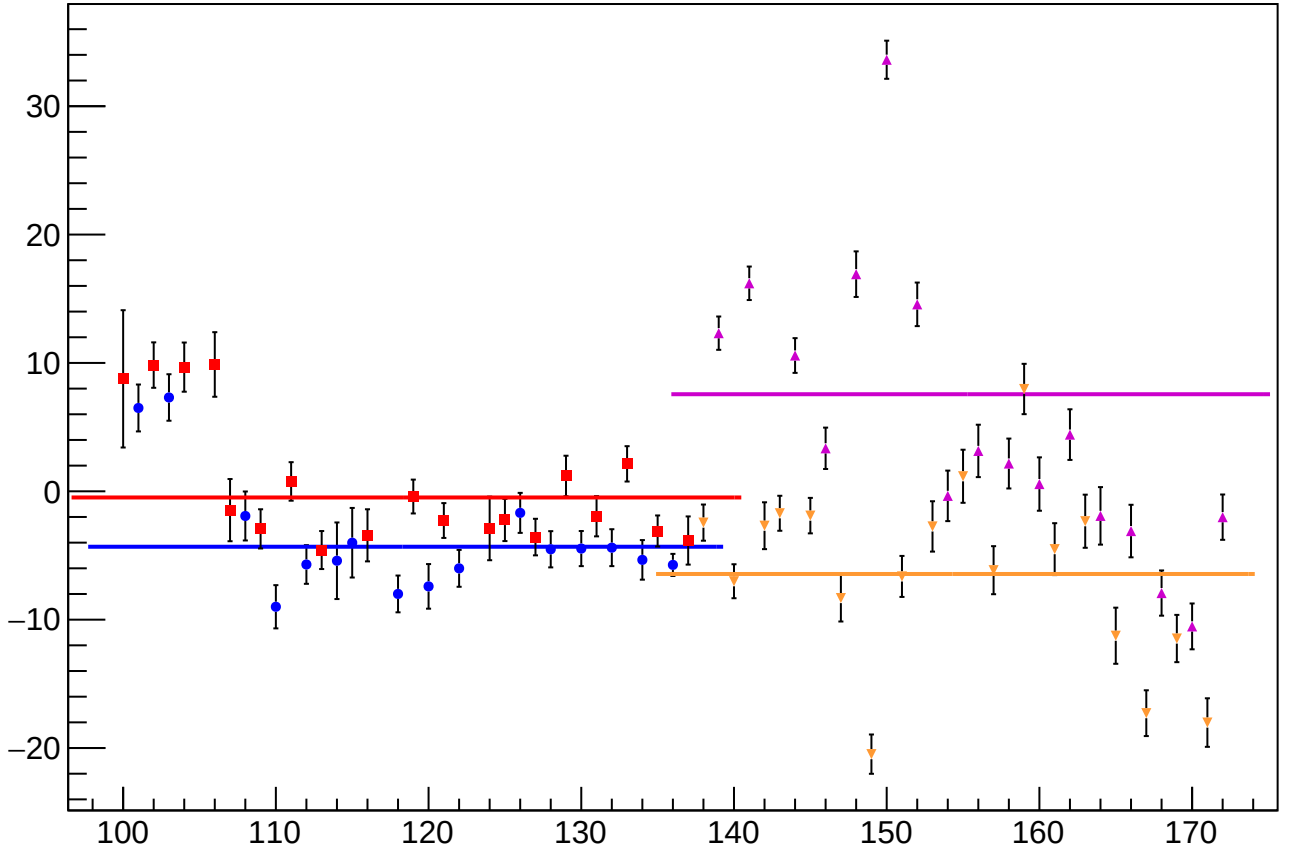
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2378.340+/-0.406 χ^2/NDF:8127617.1/32

Out: 2361.441+/-0.397 χ^2/NDF:8081818.3/36

All: 2369.704+/-0.284 χ^2/NDF: 16210322.9/6

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -6.441+/-0.403 χ^2/NDF:283.2/17

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 7.563+/-0.413 χ^2/NDF:718.5/16

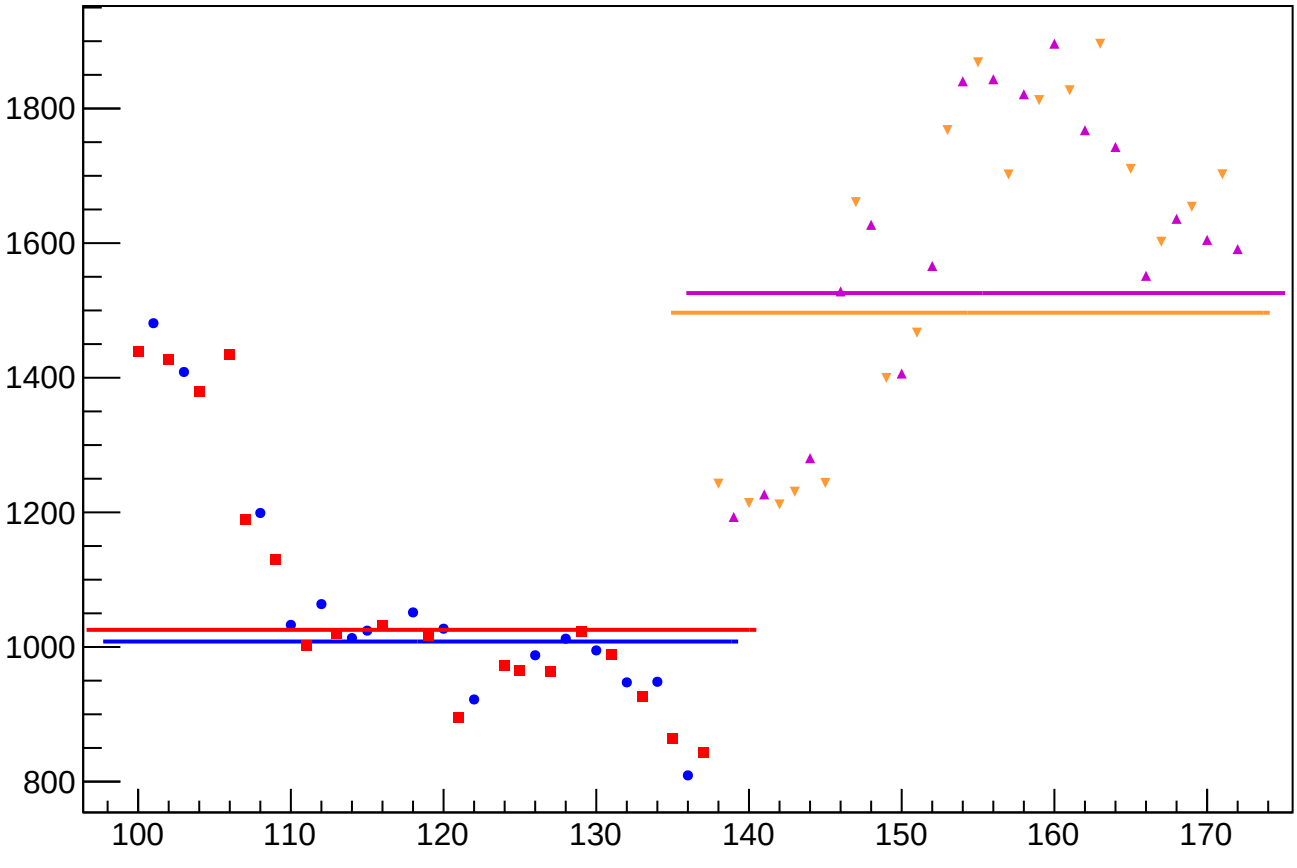
Left: 0.390+/-0.288 χ^2/NDF: 1592.0/34

Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 1.131+/-0.279 χ^2/NDF:1271.3/32

Out: -3.279+/-0.276 χ^2/NDF:516.7/36

All: -1.102+/-0.196 χ^2/NDF: 1914.2/69



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1496.609+/-0.285 χ^2/NDF:744470.6/17

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: 1510.846+/-0.204 χ^2/NDF: 1345420.2/34

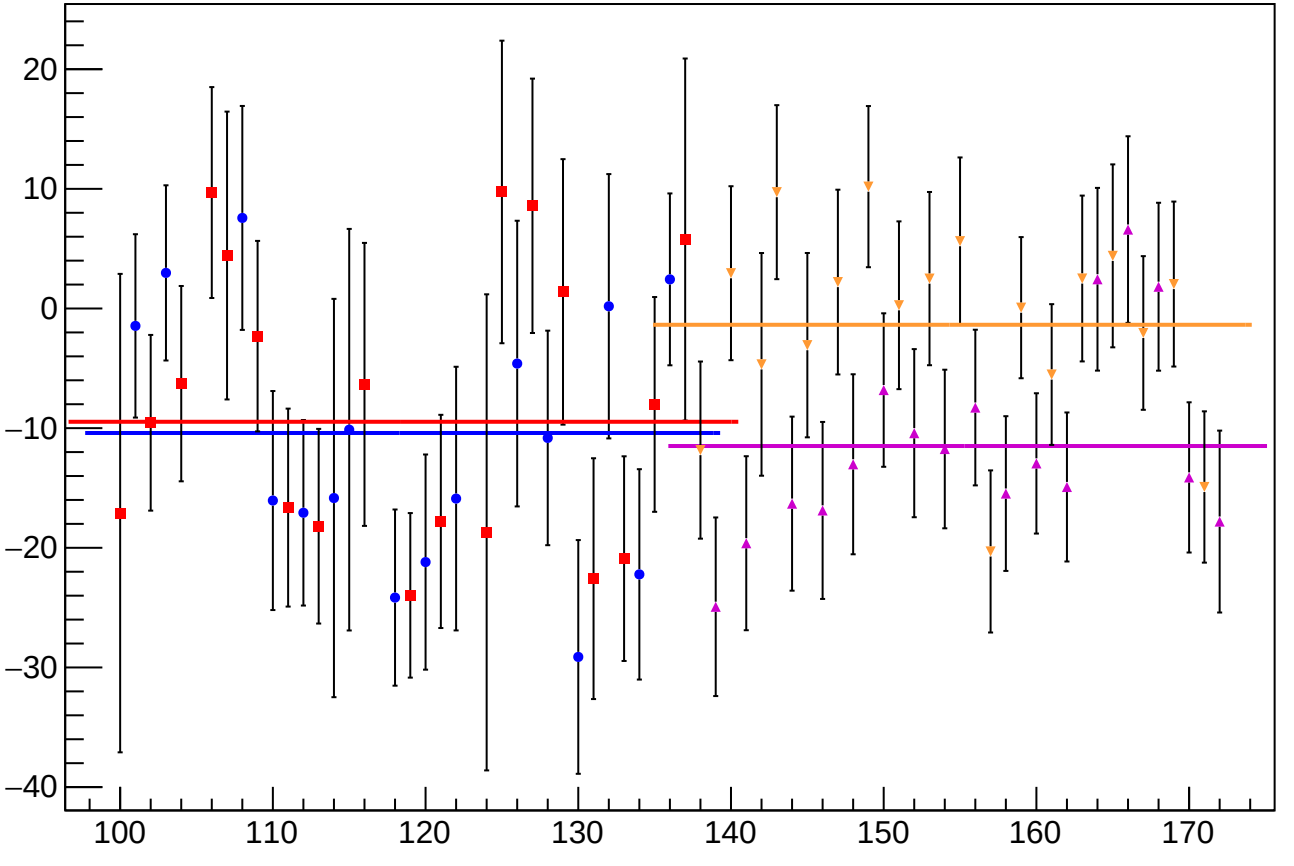
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1245.581+/-0.198 χ^2/NDF:2679613.7/32

Out: 1246.652+/-0.195 χ^2/NDF:2543888.4/36

All: 1246.124+/-0.139 χ^2/NDF: 5223517.0/69

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -1.360+/-1.642 χ^2/NDF:23.4/17

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: -6.338+/-1.171 χ^2/NDF: 62.4/34

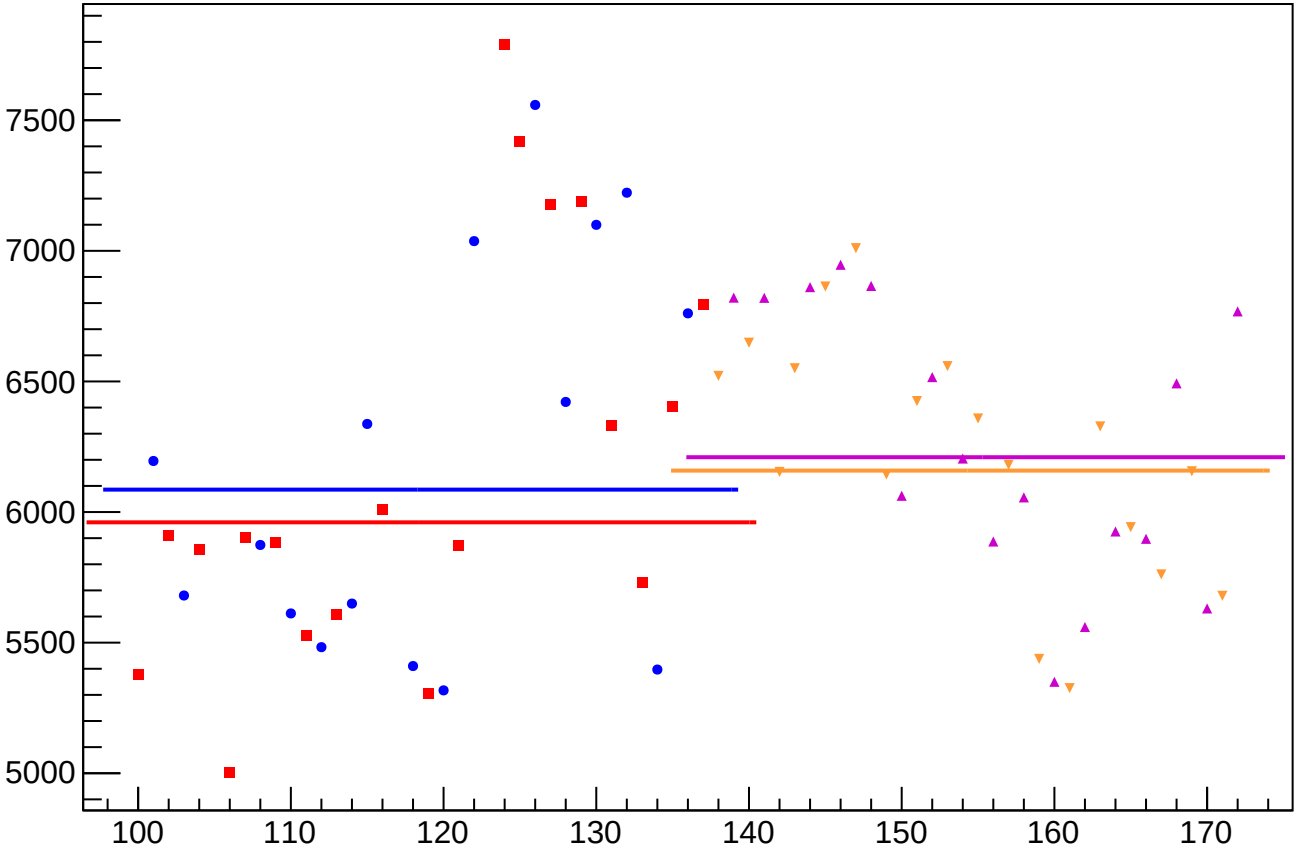
Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -11.112+/-1.348 χ^2/NDF:45.0/32

Out: -4.276+/-1.314 χ^2/NDF:57.6/36

All: -7.607+/-0.941 χ^2/NDF: 115.8/69

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6158.692+/-1.161 χ^2/NDF:163333.9/17

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6209.941+/-1.182 χ^2/NDF:191318.7/16

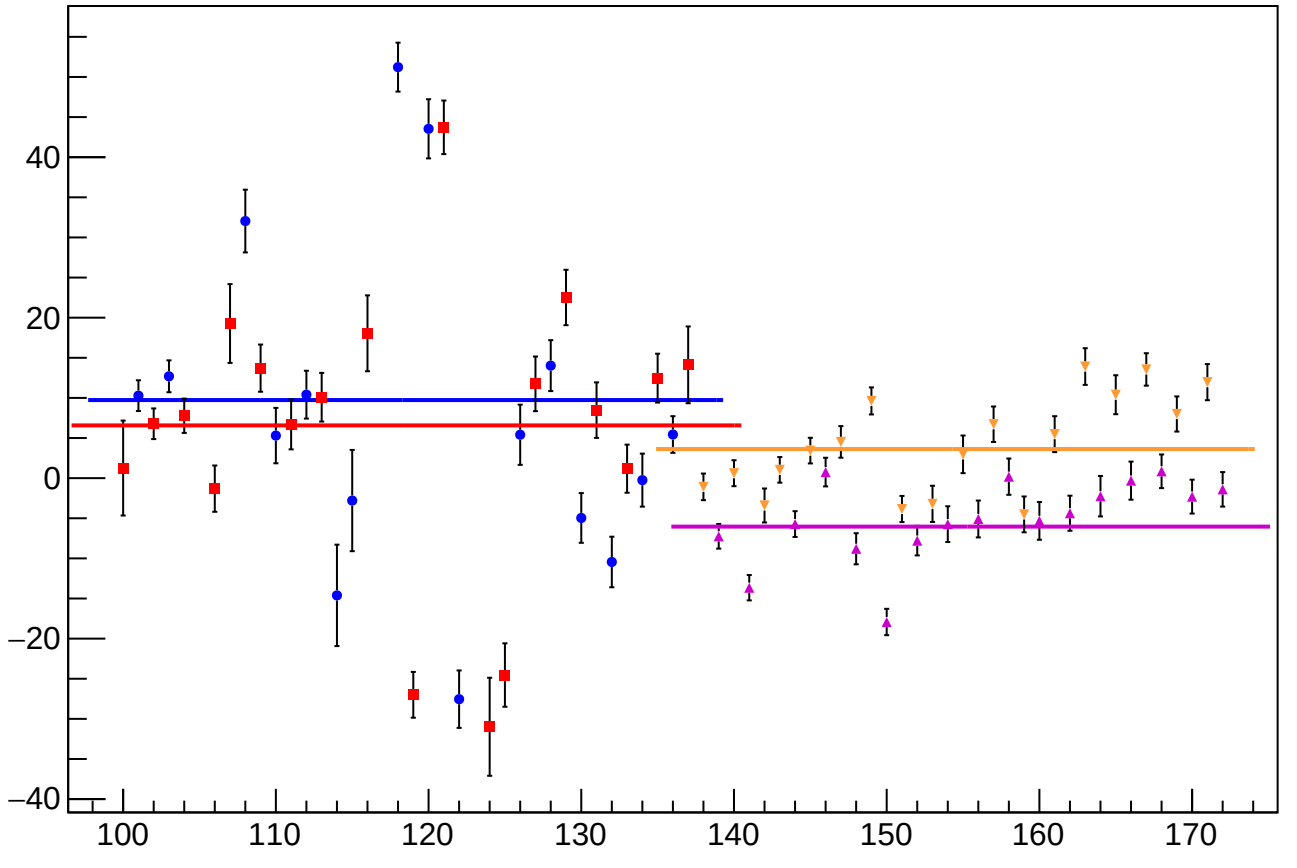
Left: 6183.868+/-0.828 χ^2/NDF: 355609.6/34

Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6166.582+/-0.953 χ^2/NDF:374289.9/32

Out: 6087.441+/-0.929 χ^2/NDF:336573.9/36

All: 6126.006+/-0.665 χ^2/NDF: 714399.1/69



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 3.627+/-0.460 χ^2/NDF:154.2/17

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: -1.047+/-0.330 χ^2/NDF: 497.0/34

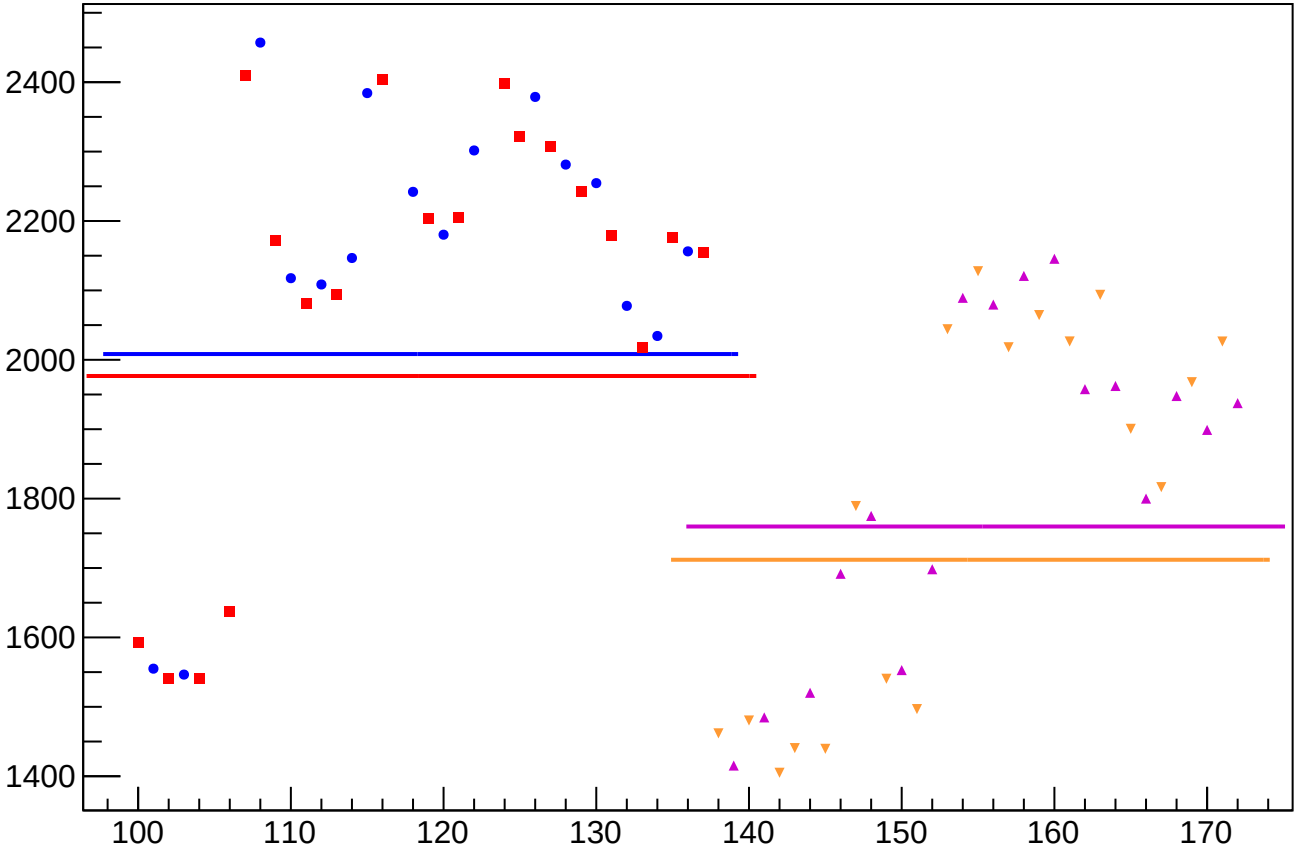
Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.568+/-0.402 χ^2/NDF:954.0/32

Out: 4.464+/-0.389 χ^2/NDF:589.6/36

All: 1.547+/-0.280 χ^2/NDF: 1659.9/69

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1711.900+/-0.325 χ^2/NDF:676626.5/17

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: 1735.071+/-0.234 χ^2/NDF: 1184958.6/34

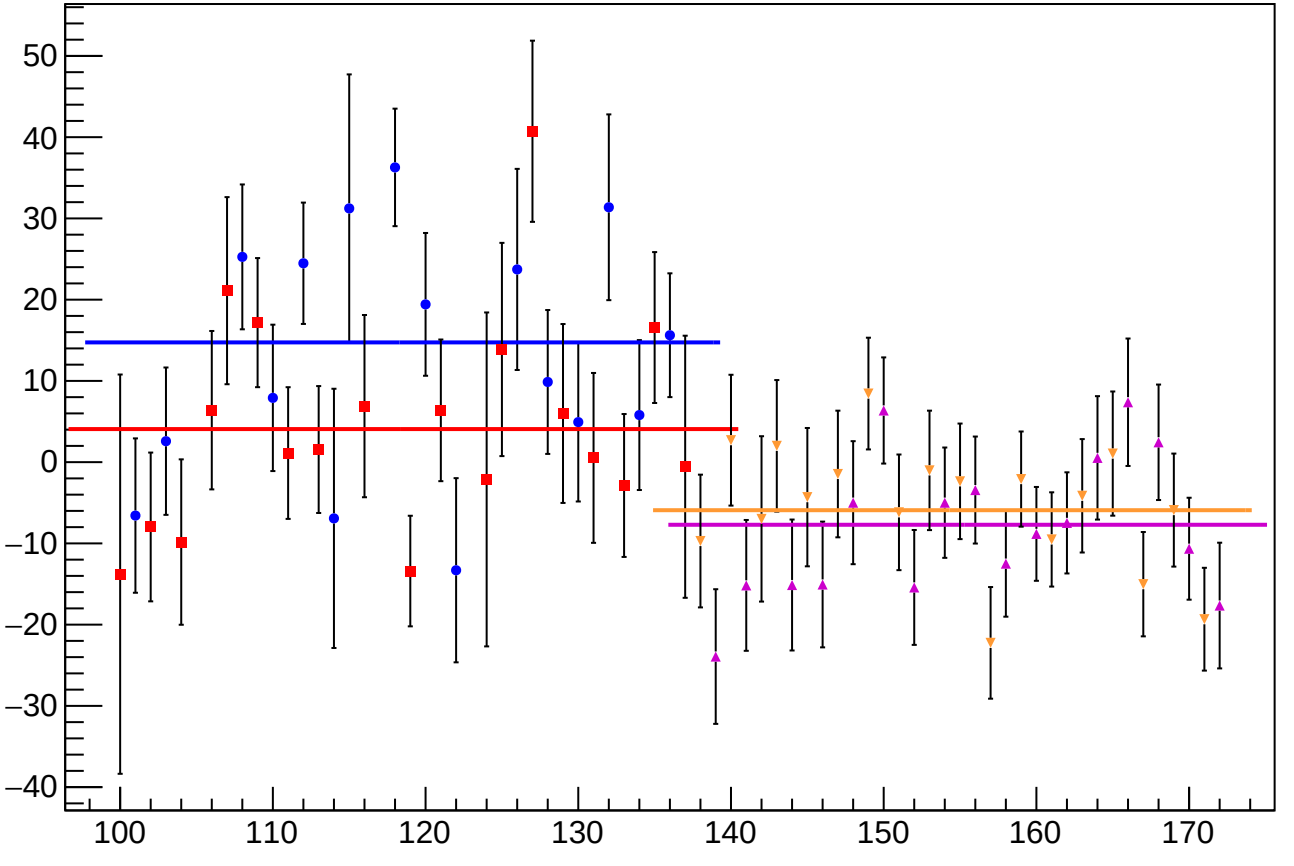
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1830.255+/-0.284 χ^2/NDF:997460.1/32

Out: 1787.001+/-0.275 χ^2/NDF:1230317.0/36

All: 1807.917+/-0.198 χ^2/NDF: 2239737.4/69

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -5.914+/-1.685 χ^2/NDF:21.6/17

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: -6.798+/-1.200 χ^2/NDF: 44.5/34

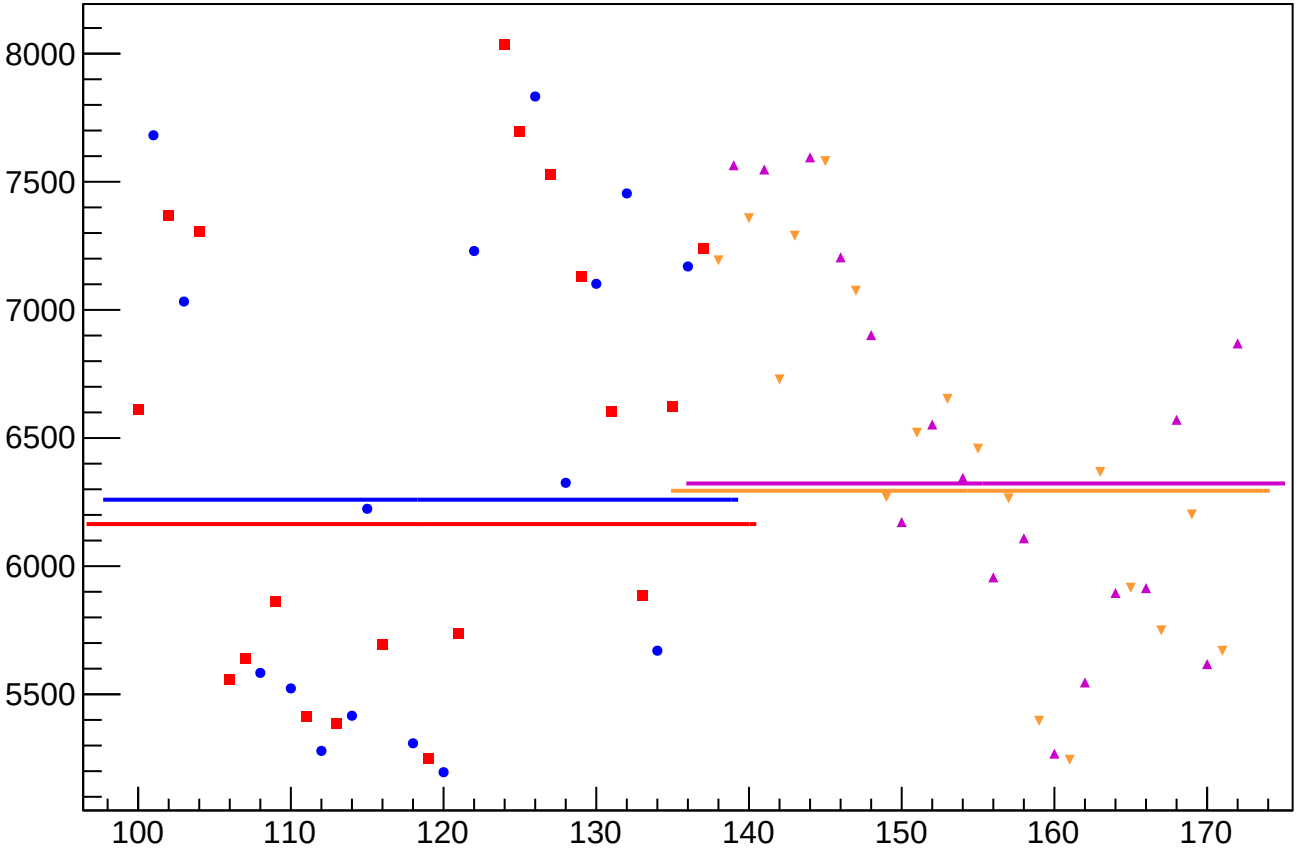
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 0.023+/-1.384 χ^2/NDF:115.3/32

Out: -2.375+/-1.354 χ^2/NDF:64.2/36

All: -1.202+/-0.968 χ^2/NDF: 181.1/69

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6294.127+/-1.191 χ^2/NDF:318407.3/17

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: 6308.208+/-0.848 χ^2/NDF: 656226.7/34

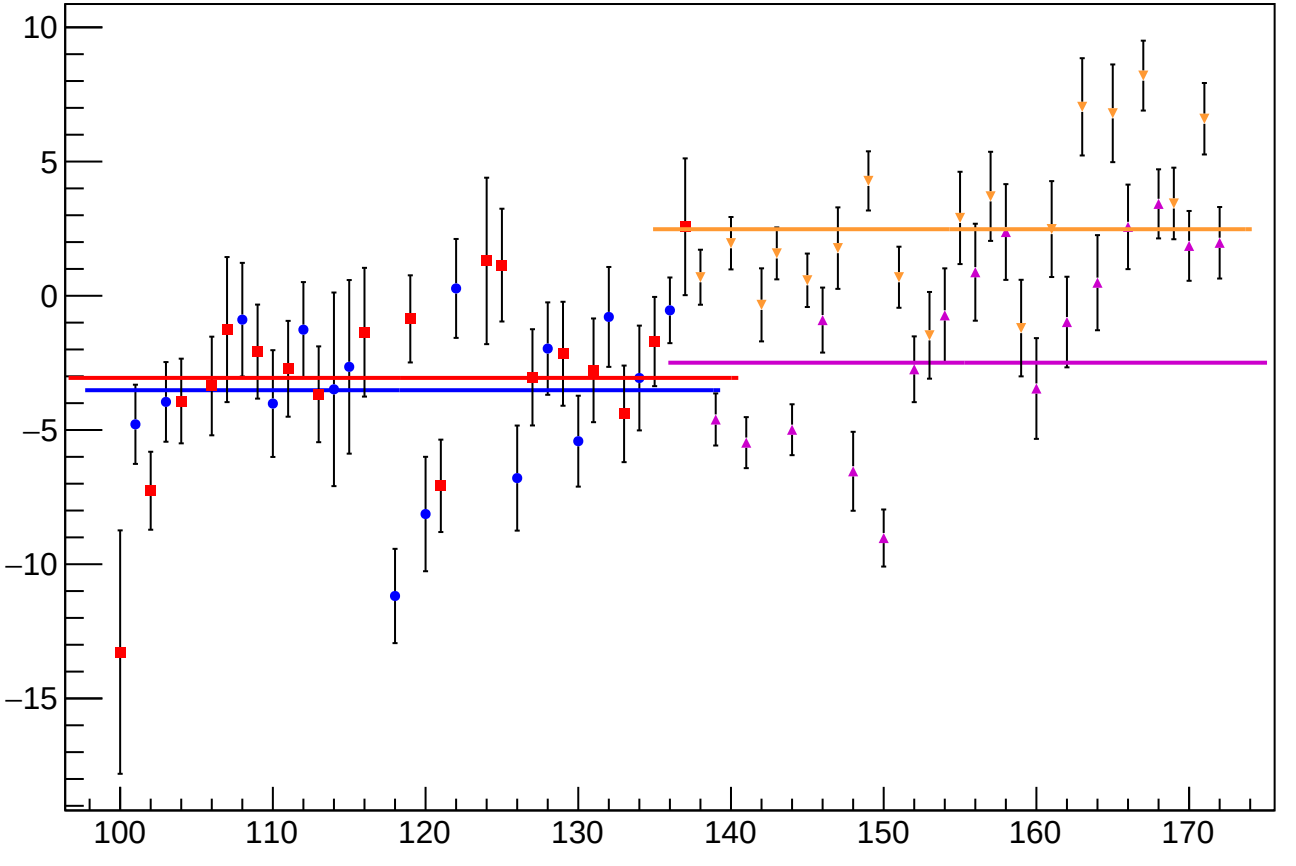
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6300.901+/-0.978 χ^2/NDF:647087.3/32

Out: 6248.057+/-0.957 χ^2/NDF:587685.7/36

All: 6273.901+/-0.684 χ^2/NDF: 1236263.6/69

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 2.480+/-0.306 χ^2/NDF:69.6/17

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: 0.070+/-0.220 χ^2/NDF: 335.9/34

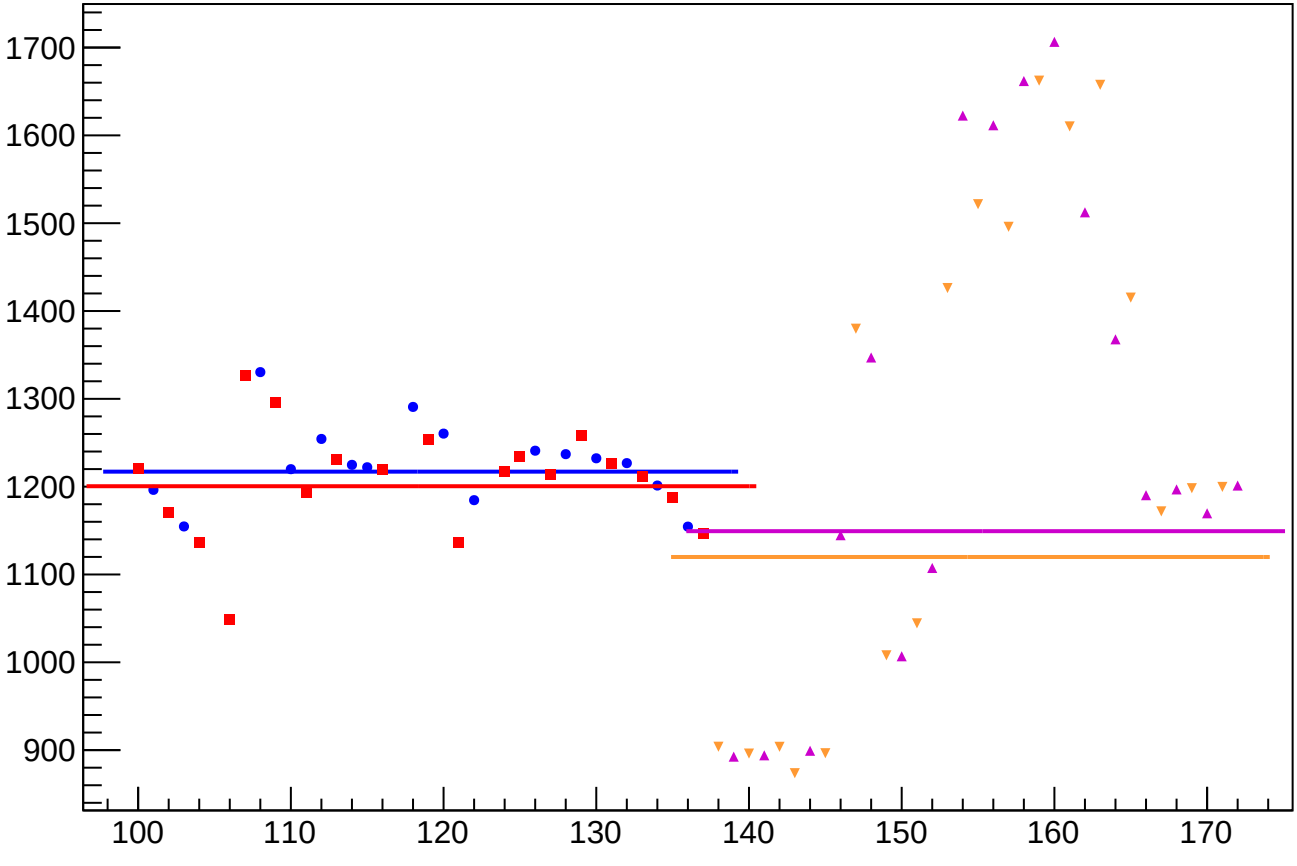
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -2.829+/-0.259 χ^2/NDF:186.9/32

Out: 0.665+/-0.251 χ^2/NDF:211.8/36

All: -1.027+/-0.180 χ^2/NDF: 492.6/69

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1119.914+/-0.216 χ^2/NDF:1425266.5/17

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: 1134.161+/-0.155 χ^2/NDF: 2681358.9/34

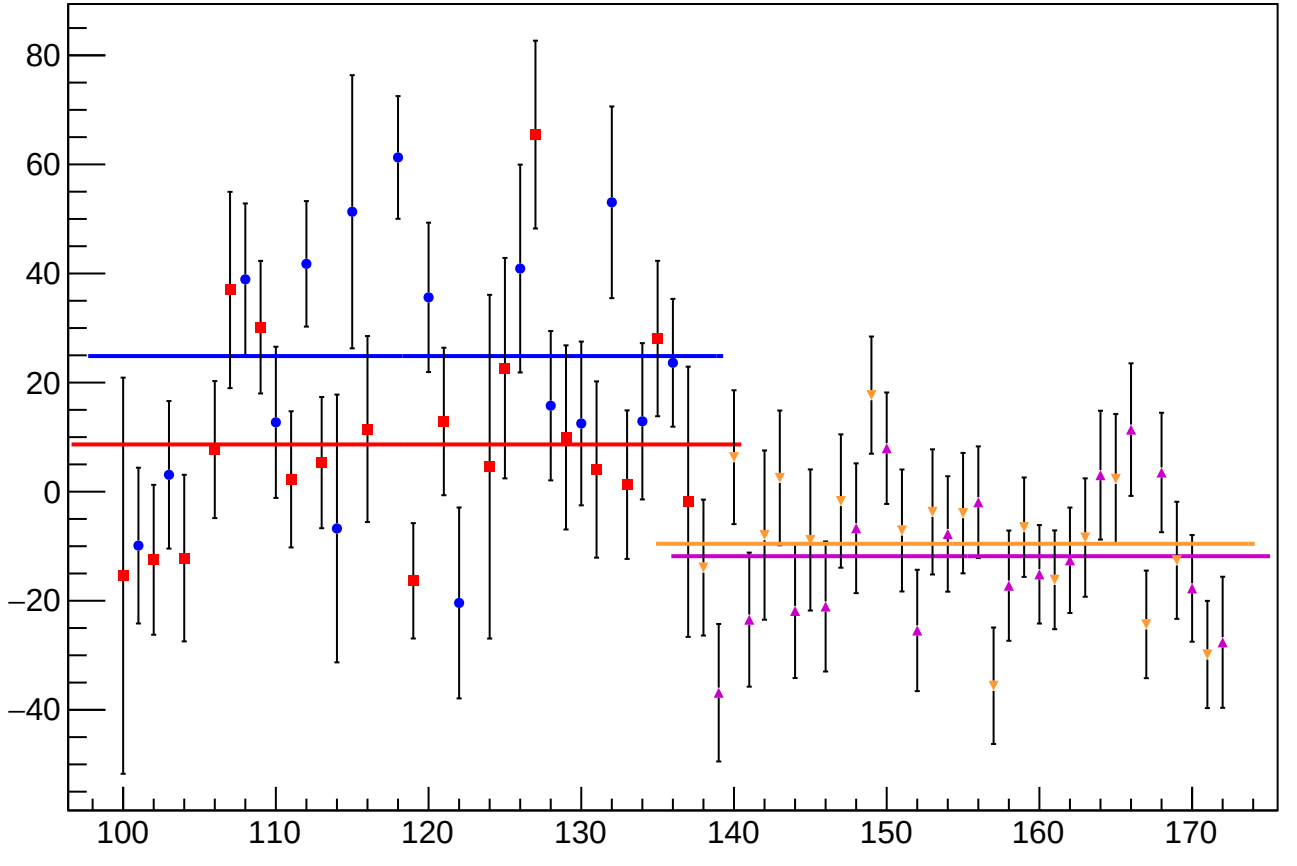
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1171.501+/-0.183 χ^2/NDF:1299030.1/32

Out: 1146.317+/-0.177 χ^2/NDF:1508365.6/36

All: 1158.517+/-0.127 χ^2/NDF: 2817156.7/69

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -9.557+/-2.610 χ^2/NDF:24.4/17

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: -10.676+/-1.860 χ^2/NDF: 47.1/34

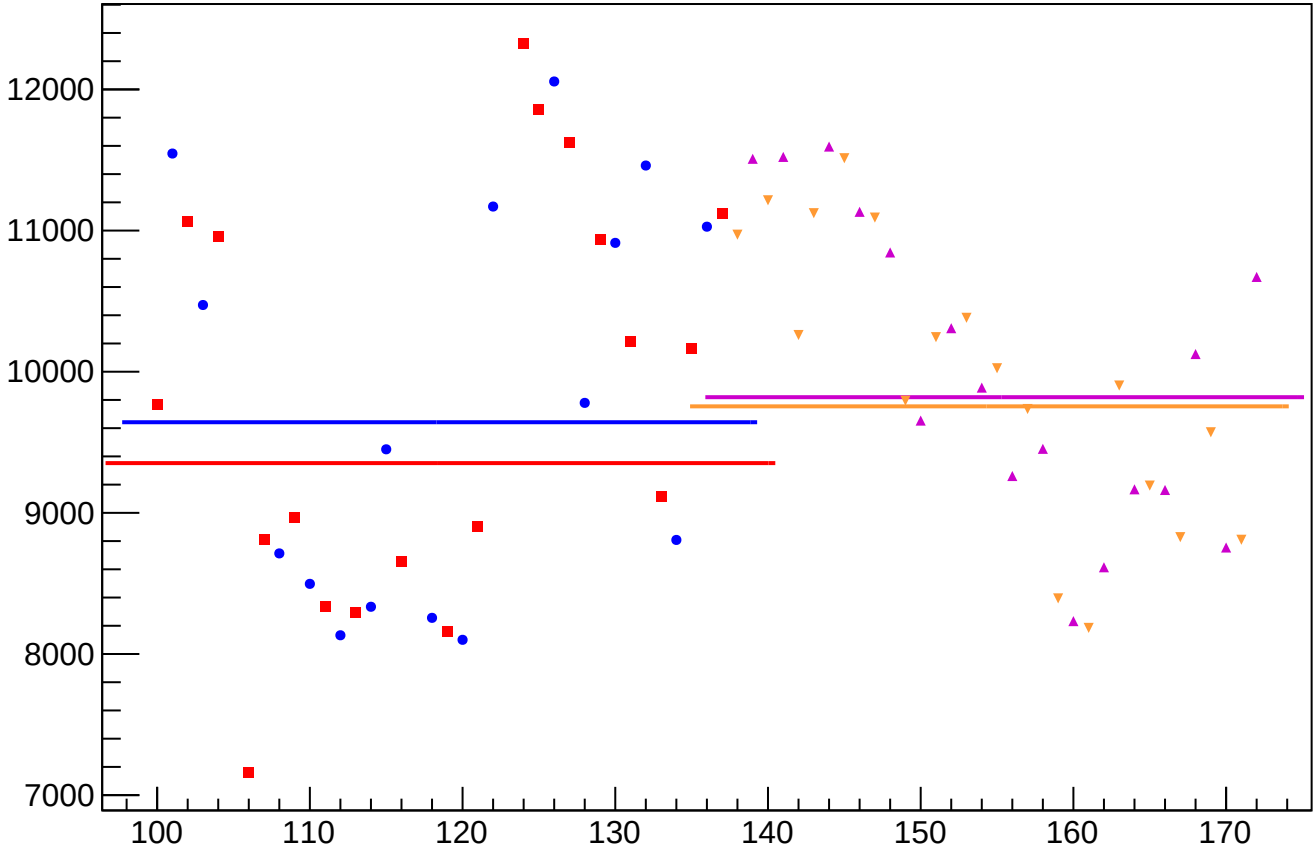
Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 0.947+/-2.141 χ^2/NDF:127.1/32

Out: -2.936+/-2.082 χ^2/NDF:72.2/36

All: -1.048+/-1.493 χ^2/NDF: 201.0/69

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9754.559+/-1.846 χ^2/NDF:292220.9/17

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: 9786.516+/-1.315 χ^2/NDF: 601107.4/34

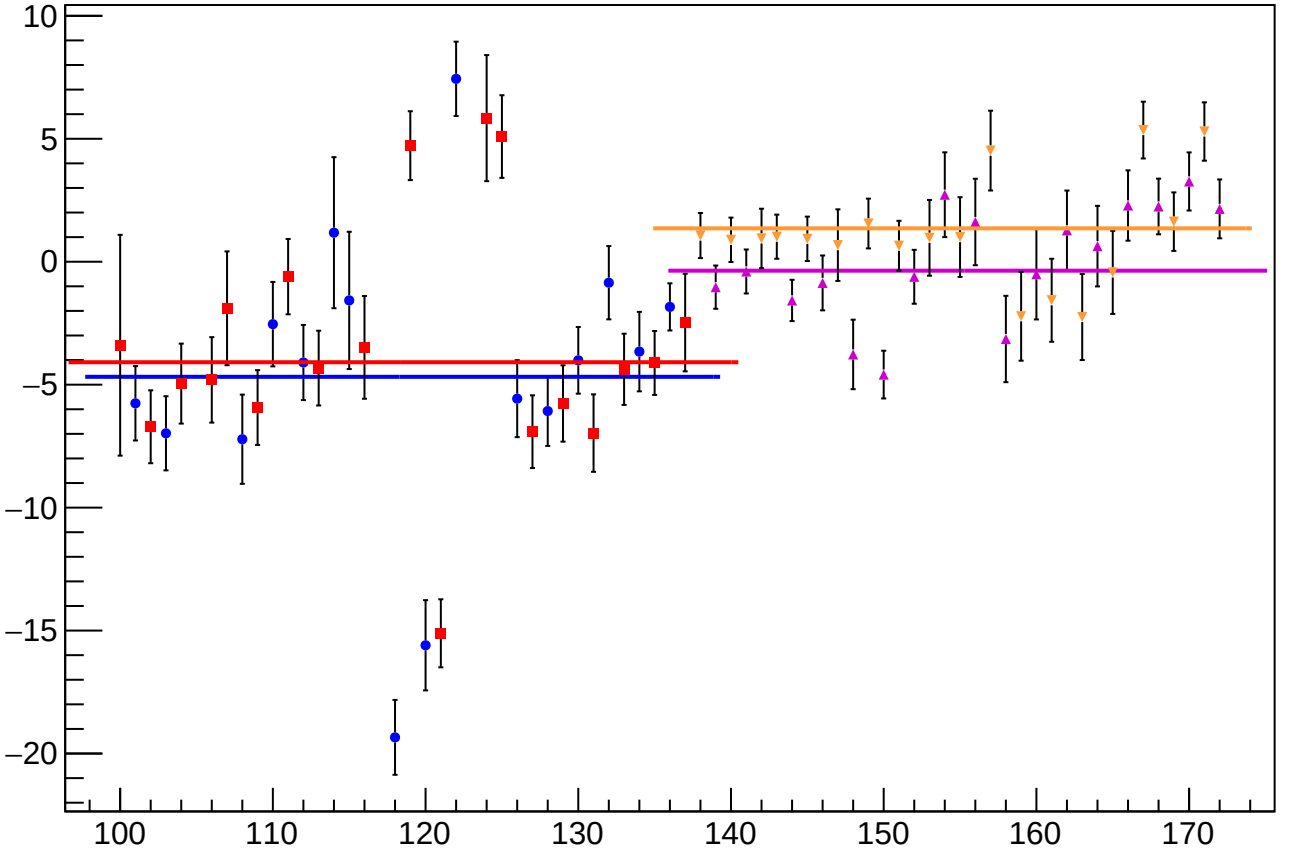
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 9757.715+/-1.514 χ^2/NDF:591052.3/32

Out: 9608.415+/-1.472 χ^2/NDF:611252.2/36

All: 9680.986+/-1.056 χ^2/NDF: 1207302.5/69

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 1.357+/-0.281 χ^2/NDF:40.8/17

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: 0.524+/-0.202 χ^2/NDF: 117.7/34

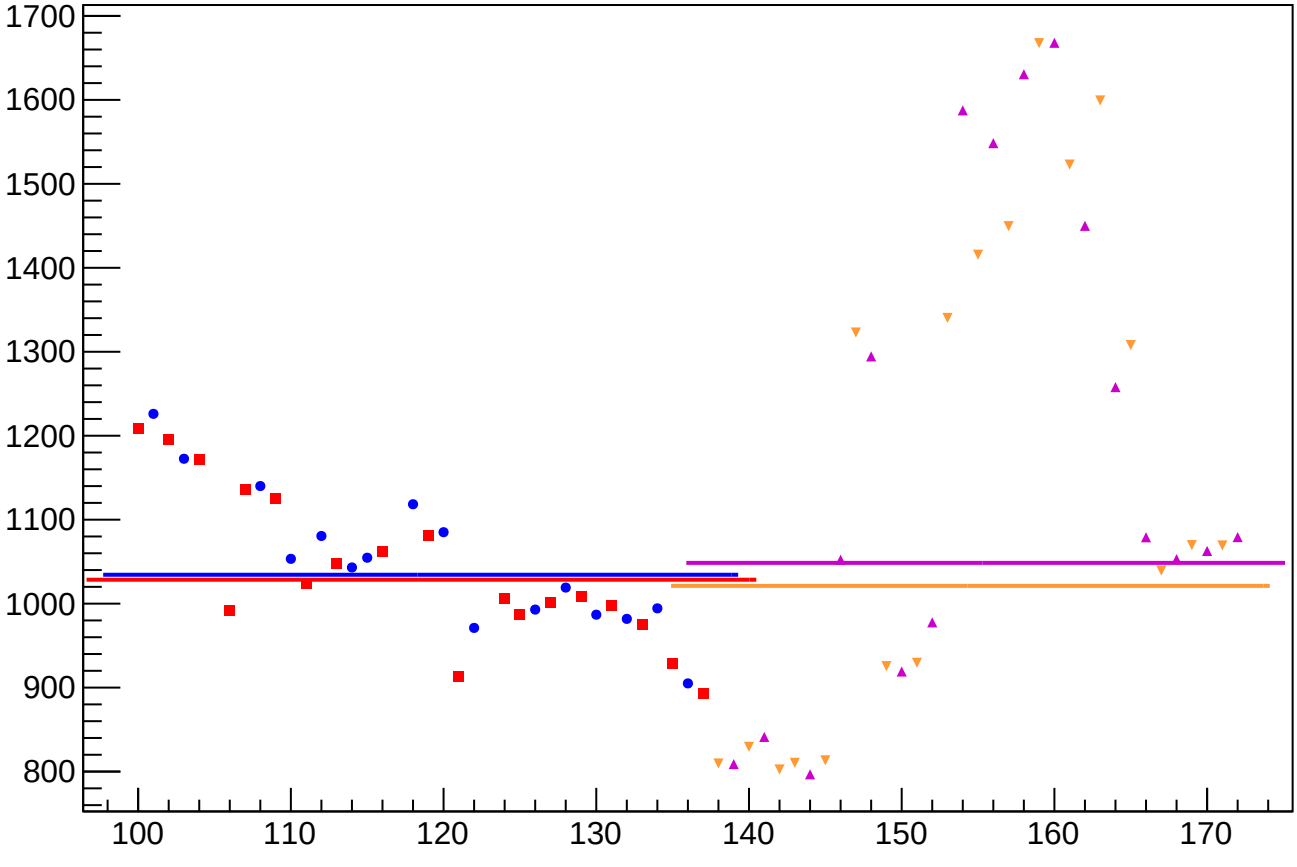
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -1.924+/-0.232 χ^2/NDF:359.8/32

Out: -0.590+/-0.225 χ^2/NDF:343.3/36

All: -1.237+/-0.162 χ^2/NDF: 720.1/69

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1021.162+/-0.199 χ^2/NDF:1658361.9/17

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: 1034.416+/-0.143 χ^2/NDF: 3170302.3/34

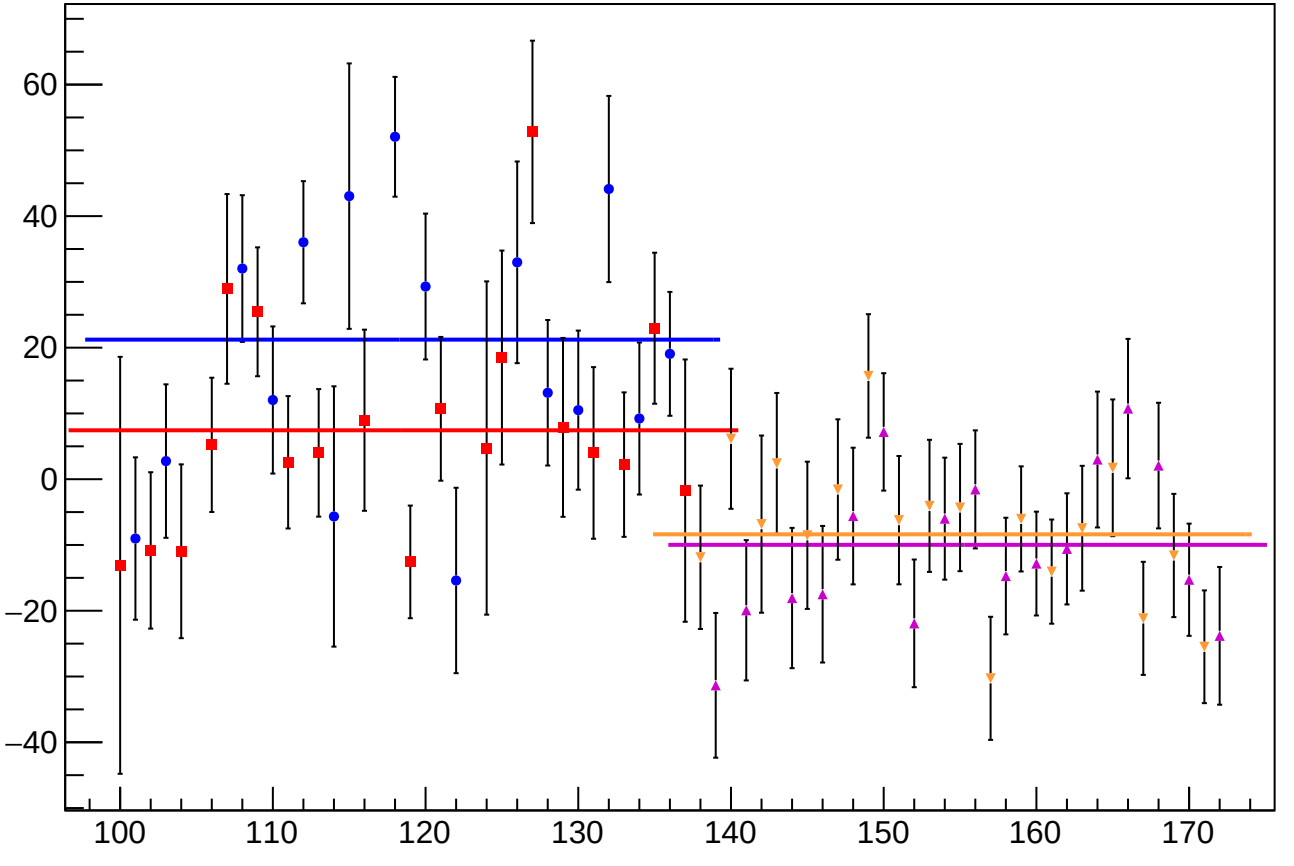
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 1043.444+/-0.164 χ^2/NDF:1617733.9/32

Out: 1023.787+/-0.159 χ^2/NDF:1760475.1/36

All: 1033.324+/-0.114 χ^2/NDF: 3385608.3/69

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -8.381+/-2.279 χ^2/NDF:23.7/17

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: -9.979+/-2.316 χ^2/NDF:21.7/16

Left: -9.167+/-1.624 χ^2/NDF: 45.7/34

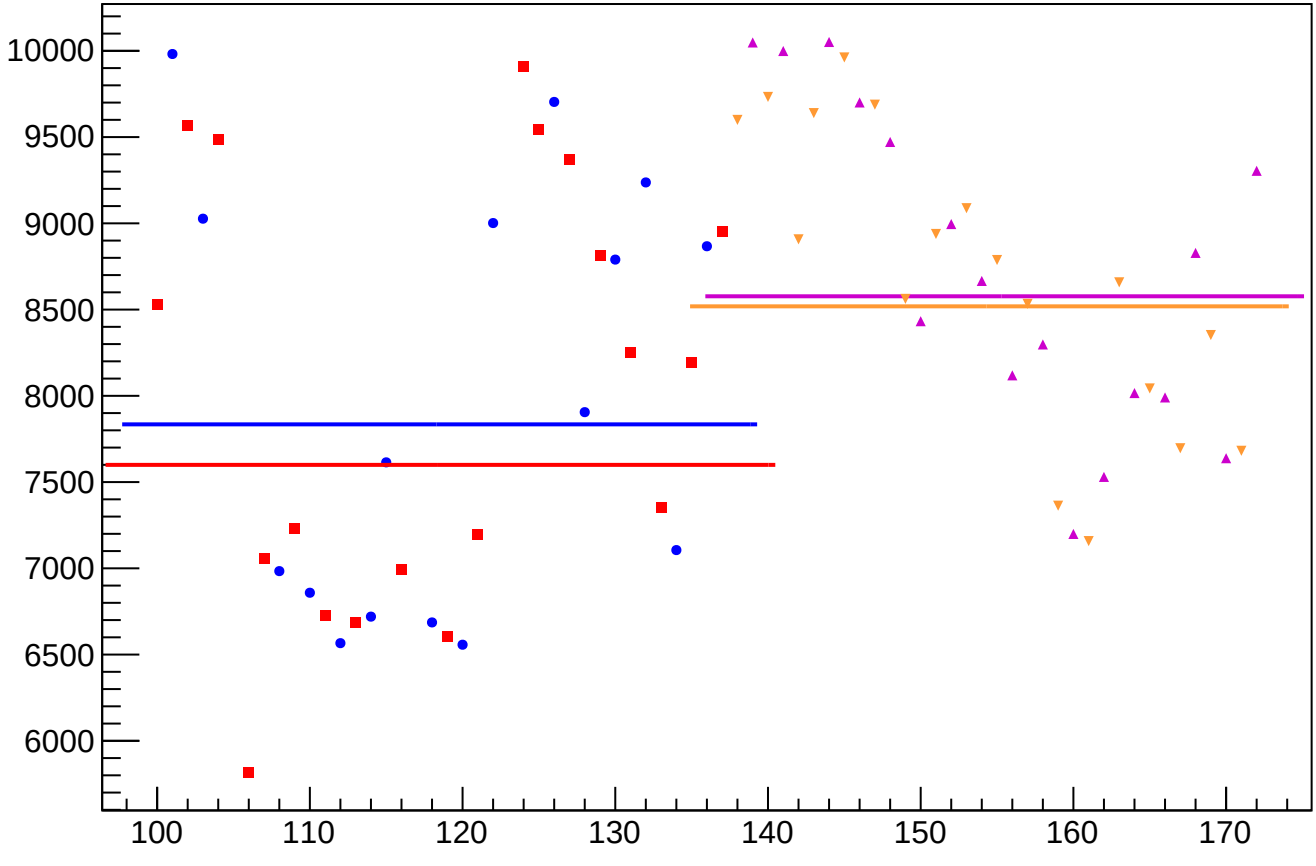
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 1.909+/-1.822 χ^2/NDF:131.0/32

Out: -2.107+/-1.770 χ^2/NDF:72.6/36

All: -0.157+/-1.270 χ^2/NDF: 206.1/69

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8518.797+/-1.611 χ^2/NDF:281686.9/17

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: 8547.476+/-1.149 χ^2/NDF: 580659.4/34

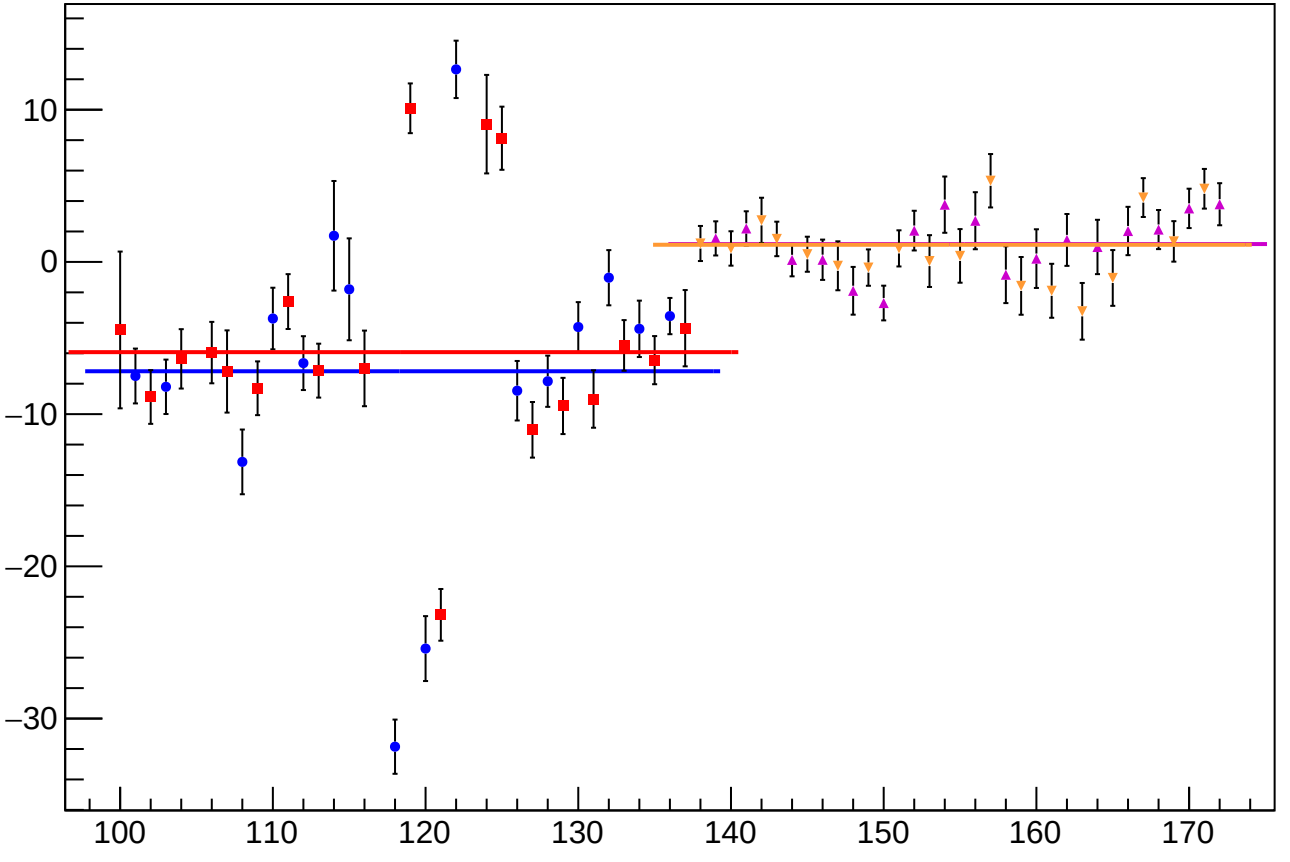
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8294.196+/-1.288 χ^2/NDF:694743.3/32

Out: 8154.228+/-1.252 χ^2/NDF:755030.6/36

All: 8222.184+/-0.898 χ^2/NDF: 1455845.9/69

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.128+/-0.329 χ^2/NDF:36.0/17

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 1.174+/-0.339 χ^2/NDF:30.1/16

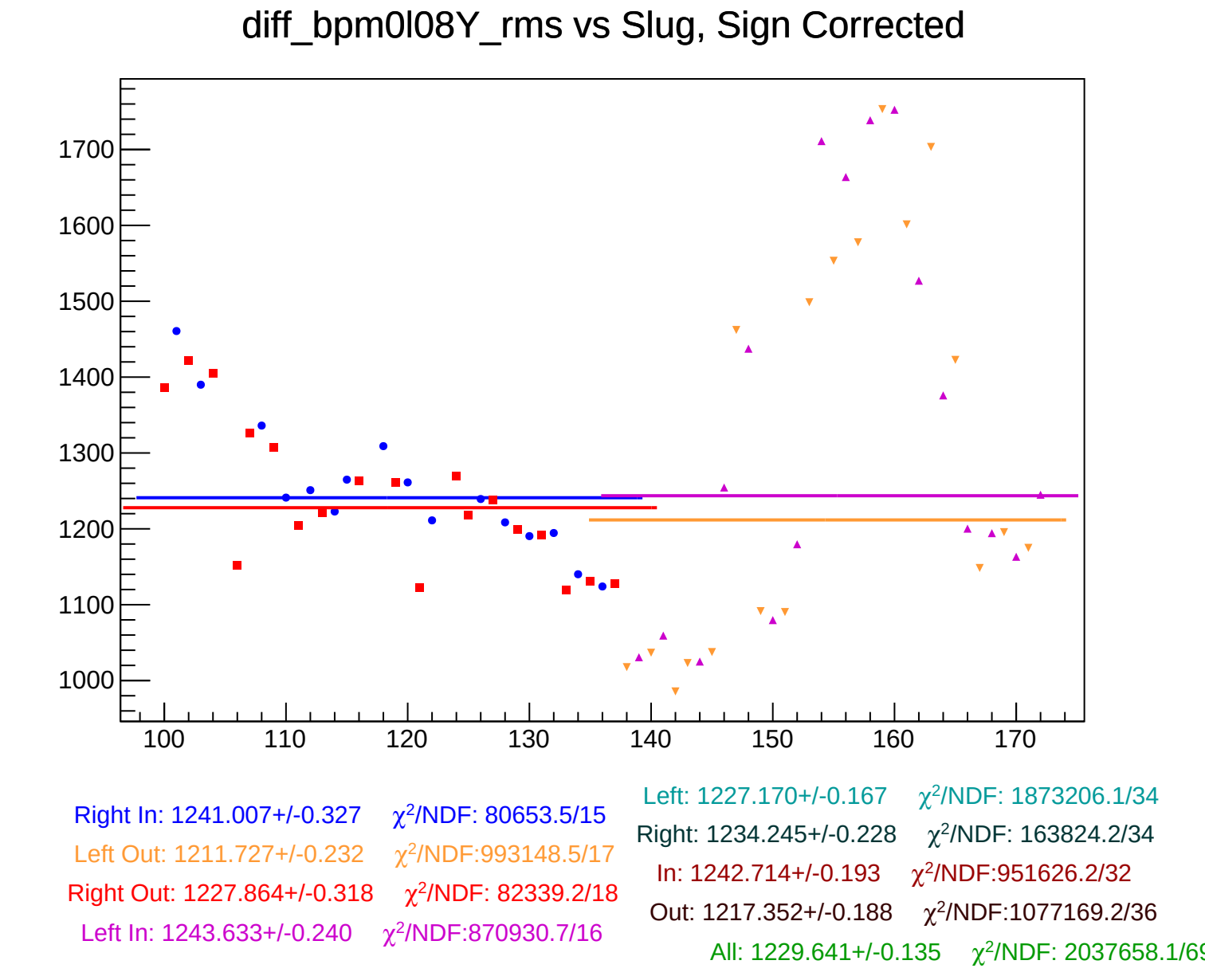
Left: 1.150+/-0.236 χ^2/NDF: 66.1/34

Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

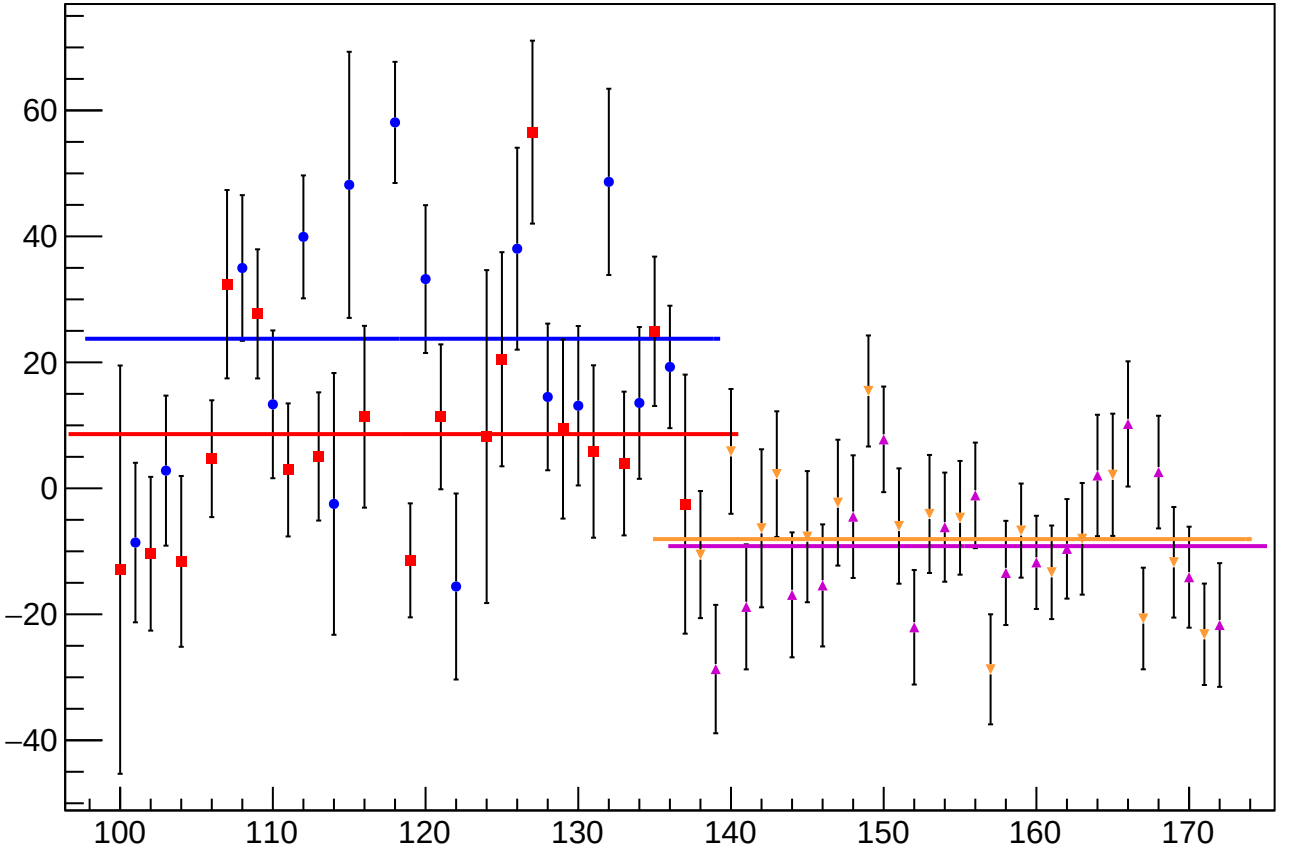
In: -1.751+/-0.274 χ^2/NDF:664.7/32

Out: -1.332+/-0.265 χ^2/NDF:487.1/36

All: -1.535+/-0.190 χ^2/NDF: 1153.0/69


diff_bpm0l08Y_rms vs Slug, Sign Corrected
1700
1600
1500
1400
1300
1200
1100
1000
100
110
120
130
140
150
160
170
Right In: 1241.007+/-0.327 χ²/NDF: 80653.5/15
Left Out: 1211.727+/-0.232 χ²/NDF:993148.5/17
Right Out: 1227.864+/-0.318 χ²/NDF: 82339.2/18
Left In: 1243.633+/-0.240 χ²/NDF:870930.7/16
Left: 1227.170+/-0.167 χ²/NDF: 1873206.1/34
Right: 1234.245+/-0.228 χ²/NDF: 163824.2/34
In: 1242.714+/-0.193 χ²/NDF:951626.2/32
Out: 1217.352+/-0.188 χ²/NDF:1077169.2/36
All: 1229.641+/-0.135 χ²/NDF: 2037658.1/69

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -8.060+/-2.130 χ^2/NDF:24.3/17

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: -8.609+/-1.519 χ^2/NDF: 46.8/34

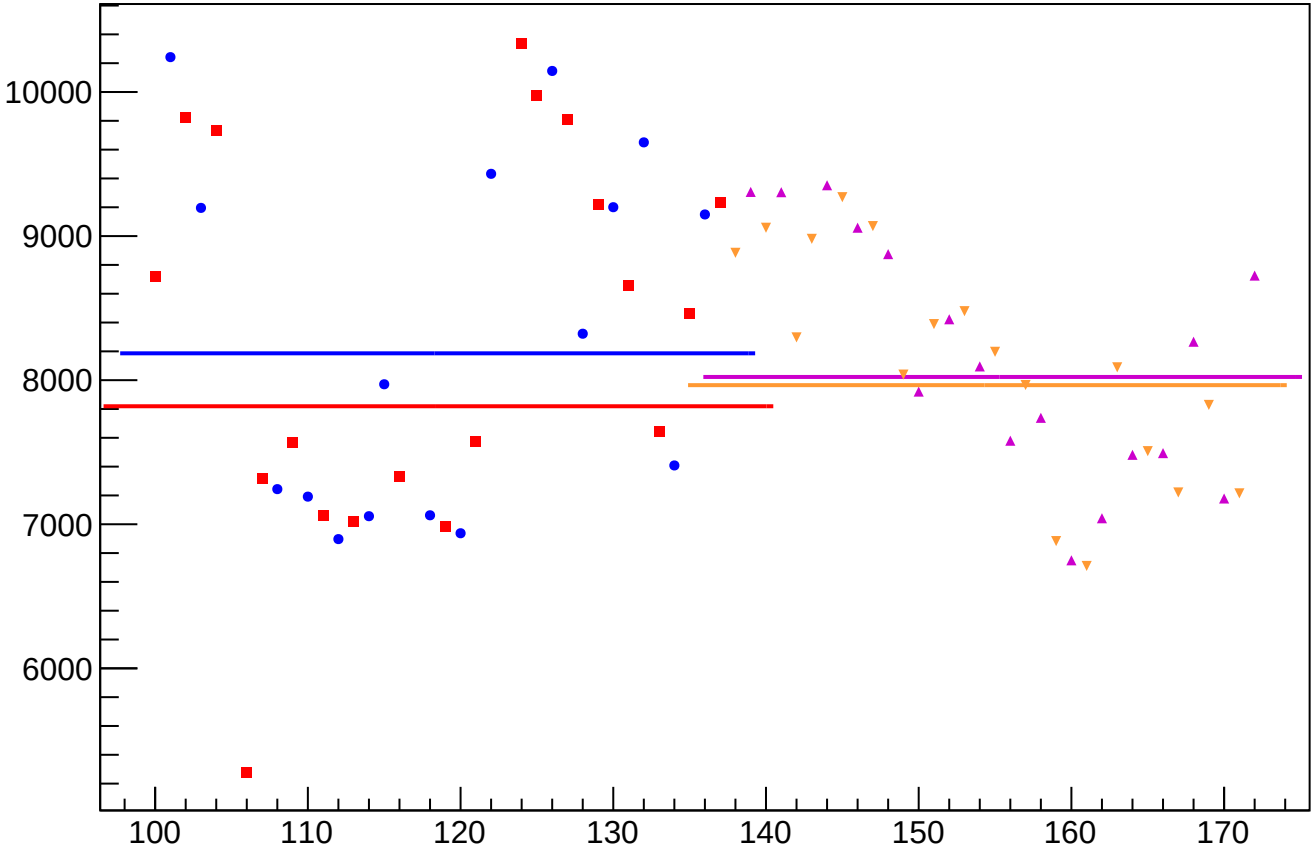
Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: 1.709+/-1.772 χ^2/NDF:142.1/32

Out: -2.216+/-1.717 χ^2/NDF:76.3/36

All: -0.315+/-1.233 χ^2/NDF: 220.9/69

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 8186.361+/-2.179 χ^2/NDF: 290628.8/15

Left Out: 7965.420+/-1.506 χ^2/NDF:269432.0/17

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: 7993.411+/-1.074 χ^2/NDF: 557479.2/34

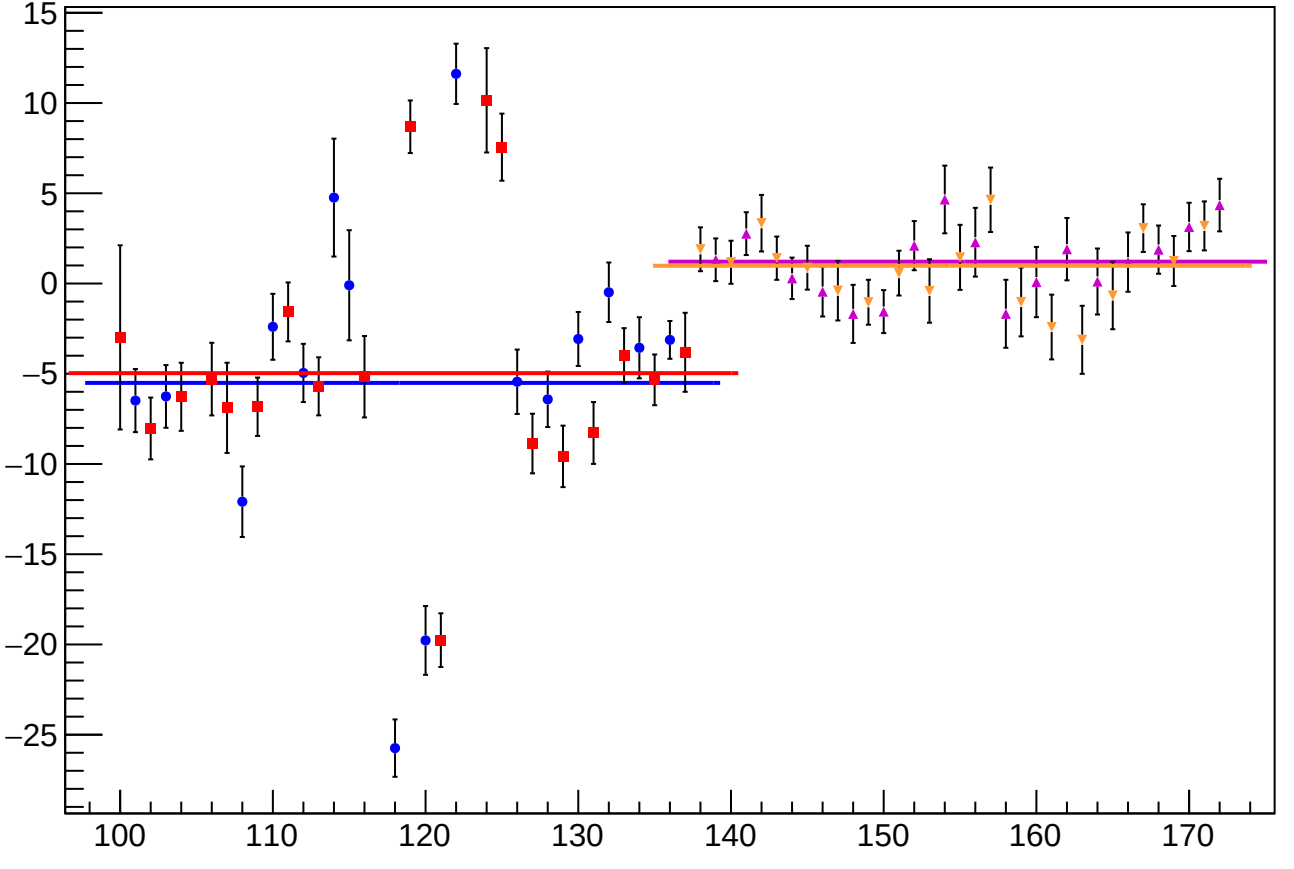
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8076.565+/-1.253 χ^2/NDF:581767.1/32

Out: 7914.071+/-1.214 χ^2/NDF:695744.8/36

All: 7992.749+/-0.872 χ^2/NDF: 1286189.3/69

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.982+/-0.342 χ^2/NDF:26.7/17

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: 1.093+/-0.245 χ^2/NDF: 53.7/34

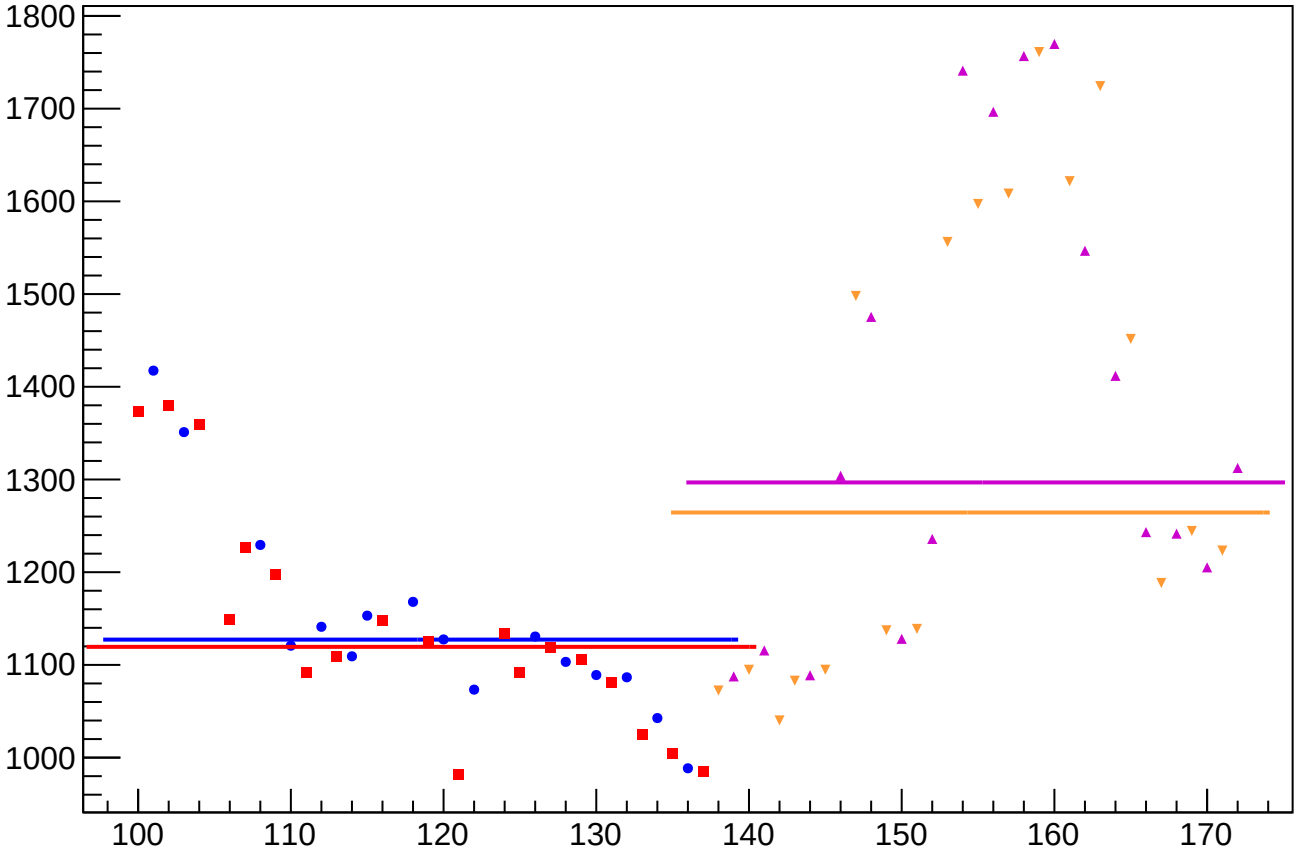
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -1.561+/-0.270 χ^2/NDF:546.1/32

Out: -1.454+/-0.263 χ^2/NDF:438.1/36

All: -1.506+/-0.188 χ^2/NDF: 984.3/69

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1264.392+/-0.242 χ^2/NDF:858490.6/17

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: 1280.095+/-0.174 χ^2/NDF: 1613328.6/34

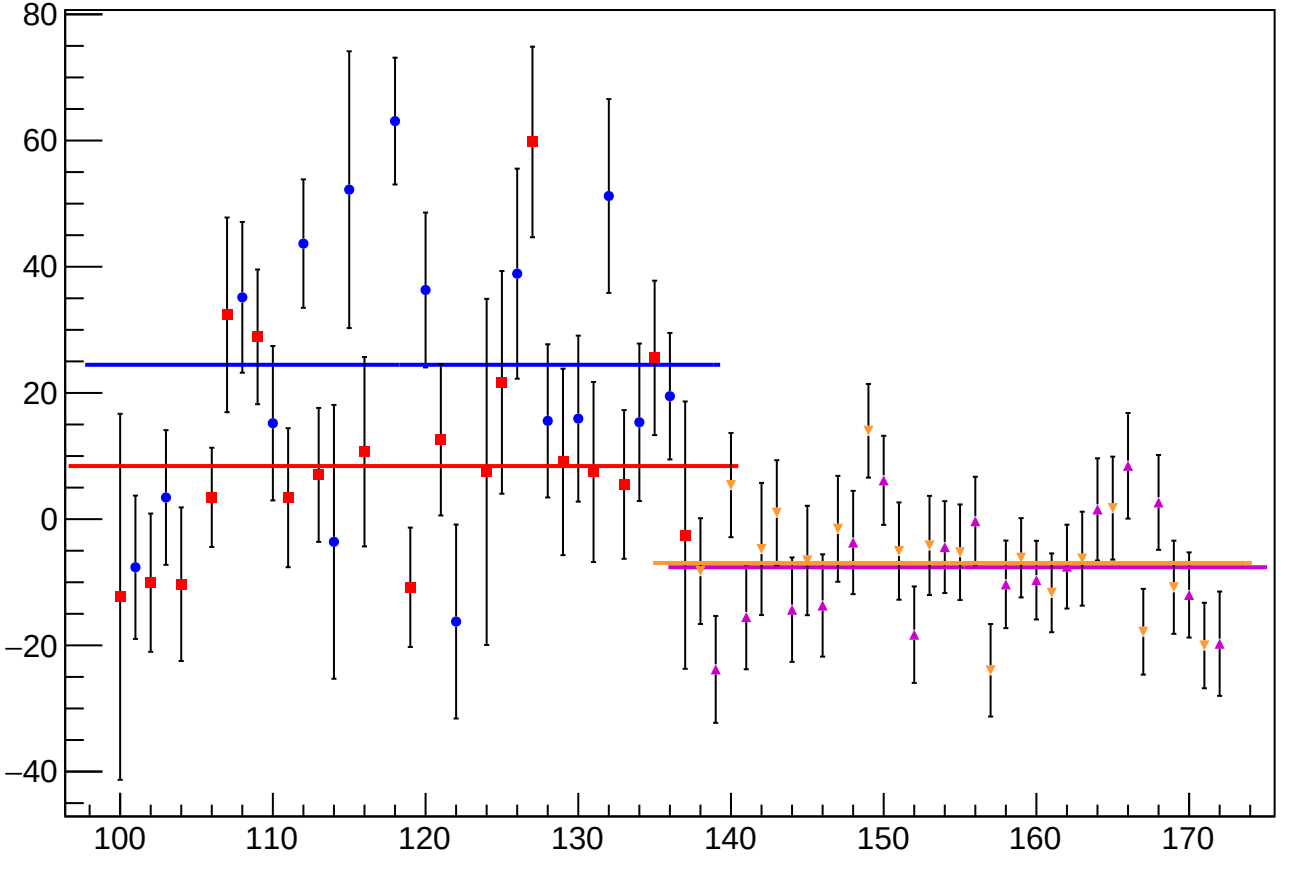
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1226.884+/-0.191 χ^2/NDF:1077368.7/32

Out: 1205.039+/-0.186 χ^2/NDF:1146515.7/36

All: 1215.645+/-0.133 χ^2/NDF: 2230603.7/69

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -6.940+/-1.787 χ^2/NDF:25.5/17

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: -7.275+/-1.275 χ^2/NDF: 48.3/34

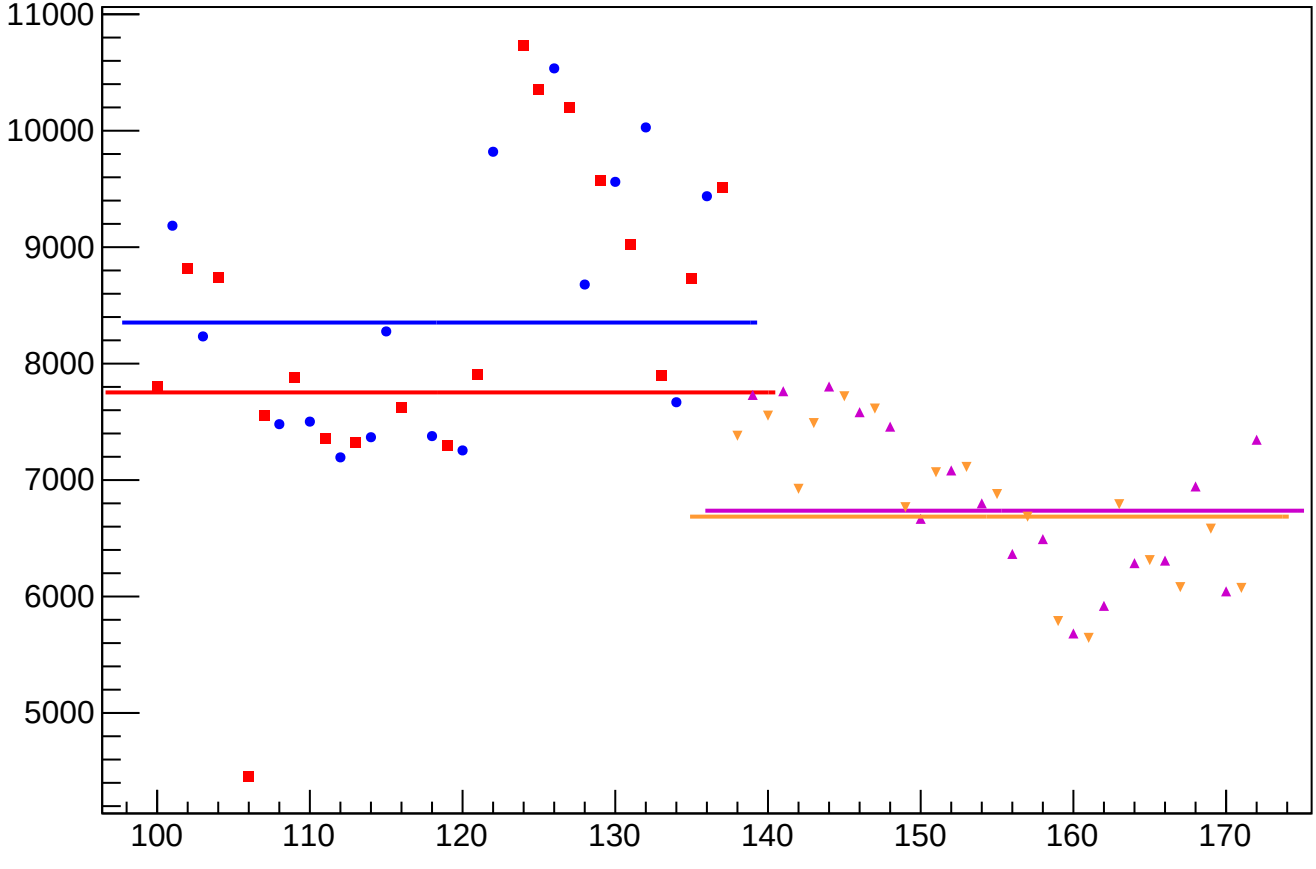
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 0.448+/-1.573 χ^2/NDF:149.4/32

Out: -2.694+/-1.520 χ^2/NDF:77.1/36

All: -1.176+/-1.093 χ^2/NDF: 228.5/69

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6686.101+/-1.264 χ^2/NDF:254209.8/17

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: 6711.135+/-0.901 χ^2/NDF: 528725.7/34

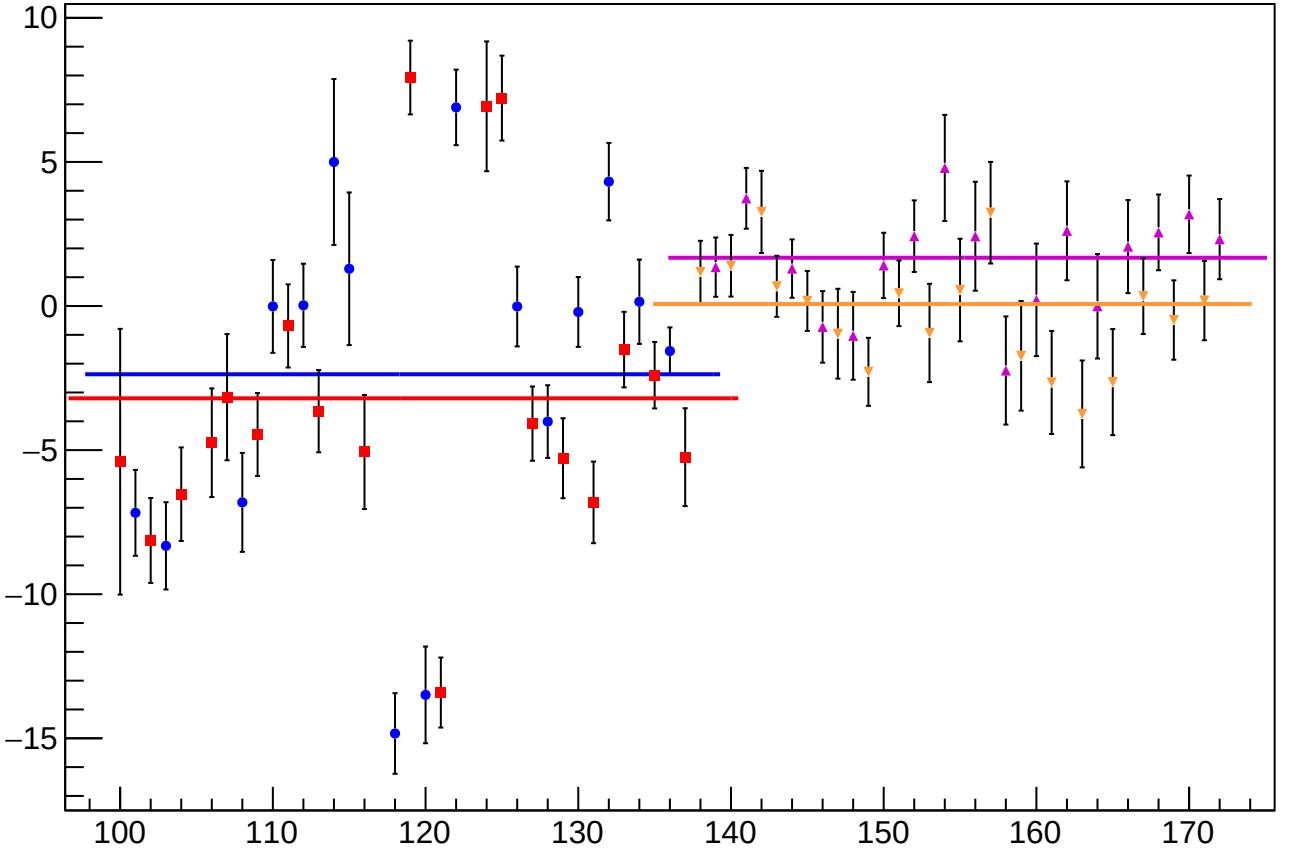
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7143.394+/-1.112 χ^2/NDF:891471.1/32

Out: 6981.063+/-1.075 χ^2/NDF:1039223.9/36

All: 7059.474+/-0.773 χ^2/NDF: 1941709.2/69

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.070+/-0.321 χ^2/NDF:26.0/17

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: 0.847+/-0.230 χ^2/NDF: 60.5/34

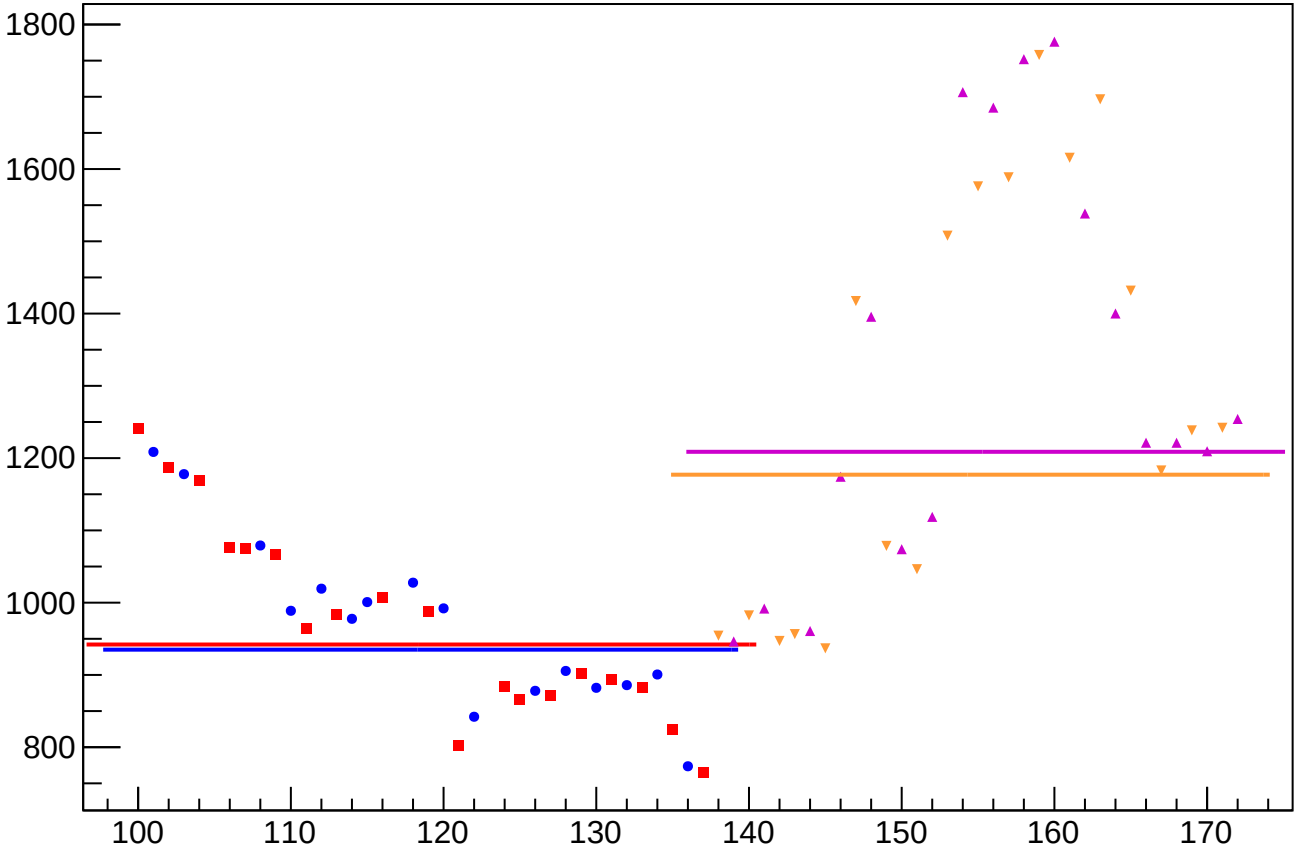
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.232+/-0.241 χ^2/NDF:348.3/32

Out: -1.440+/-0.235 χ^2/NDF:324.6/36

All: -0.850+/-0.168 χ^2/NDF: 685.8/69

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1177.084+/-0.227 χ^2/NDF:1279490.9/17

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: 1192.405+/-0.163 χ^2/NDF: 2402002.6/34

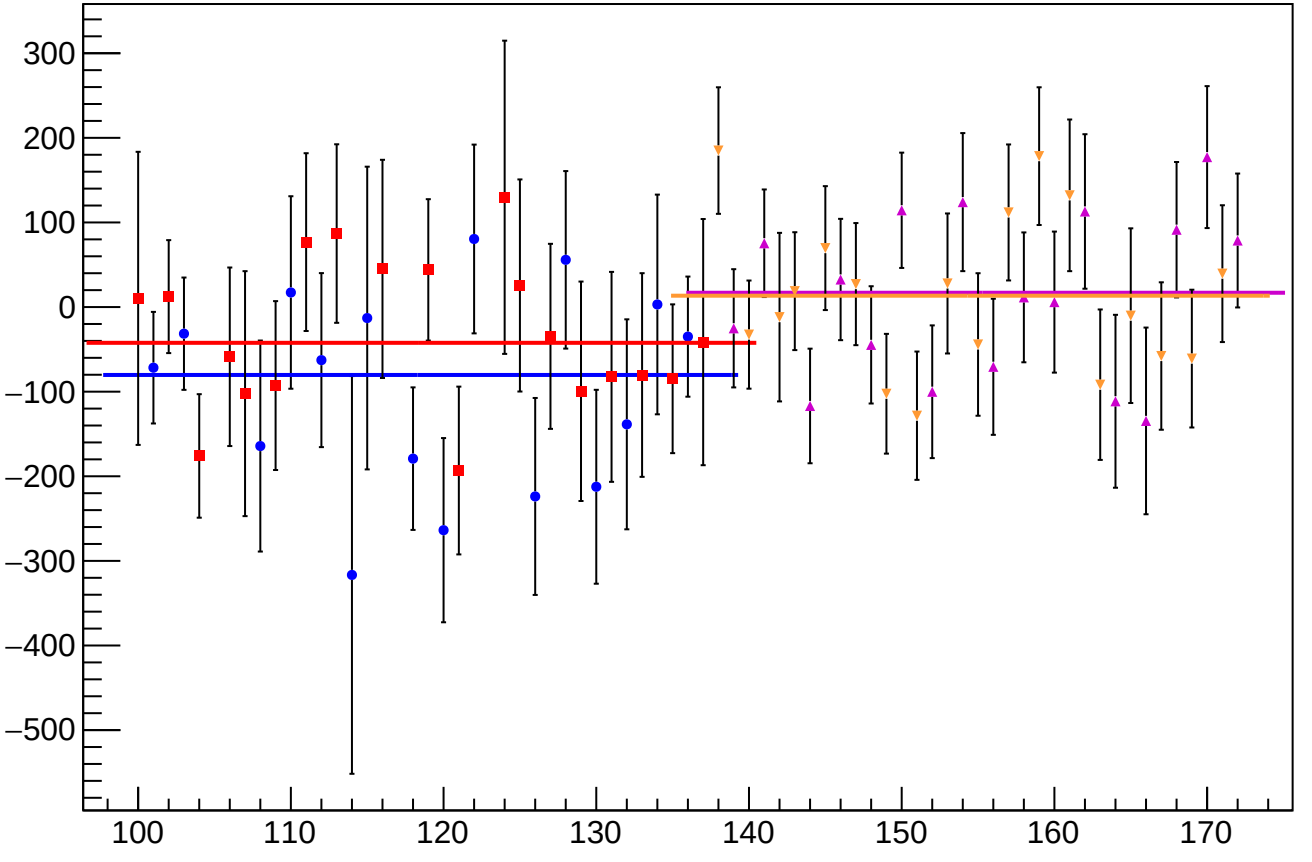
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 1079.618+/-0.170 χ^2/NDF:2012285.8/32

Out: 1068.640+/-0.166 χ^2/NDF:2007676.2/36

All: 1074.005+/-0.119 χ^2/NDF: 4022089.2/69

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 13.433+/-18.712 χ^2/NDF:23.6/17

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: 15.165+/-13.267 χ^2/NDF: 46.4/34

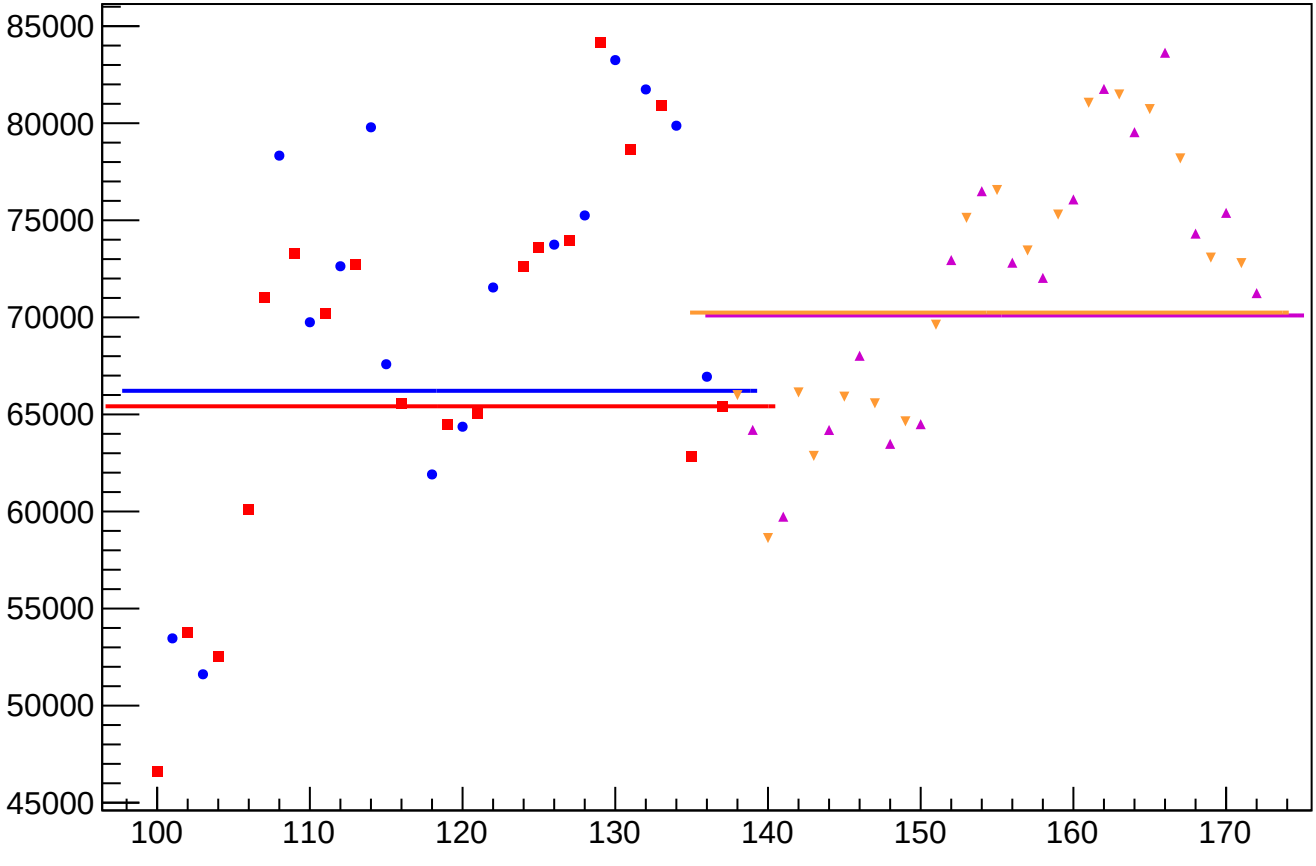
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -18.379+/-15.013 χ^2/NDF:47.3/32

Out: -7.467+/-14.790 χ^2/NDF:39.9/36

All: -12.842+/-10.536 χ^2/NDF: 87.5/69

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 70245.977+/-13.232 χ^2/NDF:258183.6/17

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: 70172.283+/-9.381 χ^2/NDF: 496758.4/34

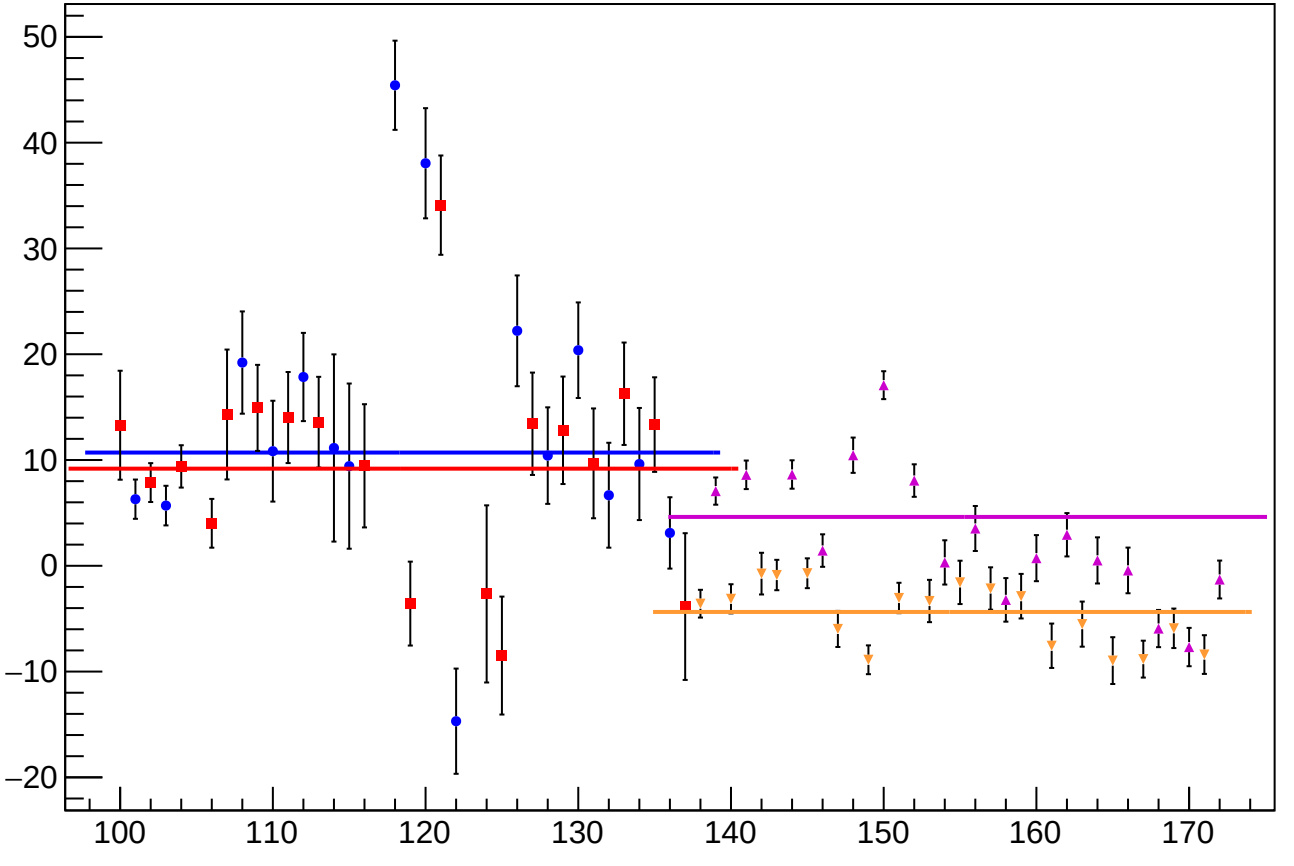
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 68687.791+/-10.615 χ^2/NDF:607816.5/32

Out: 68434.474+/-10.458 χ^2/NDF:612689.4/36

All: 68559.244+/-7.450 χ^2/NDF: 1220794.9/6

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -4.364+/-0.400 χ^2/NDF:52.8/17

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: 0.032+/-0.286 χ^2/NDF: 556.3/34

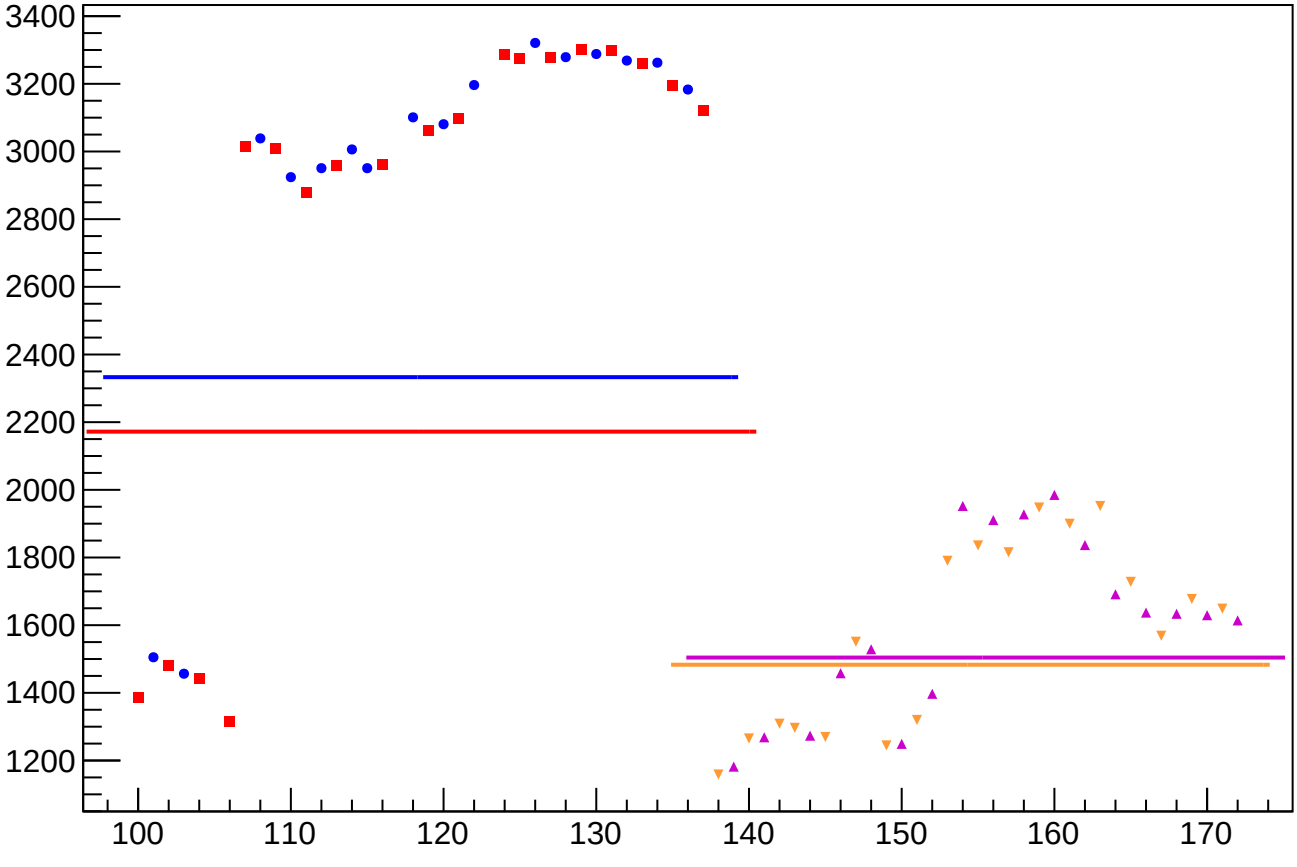
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 5.621+/-0.374 χ^2/NDF:448.9/32

Out: -1.908+/-0.362 χ^2/NDF:330.2/36

All: 1.739+/-0.260 χ^2/NDF: 988.6/69

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1483.090+/-0.283 χ^2/NDF:859811.8/17

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: 1493.447+/-0.202 χ^2/NDF: 1644263.7/34

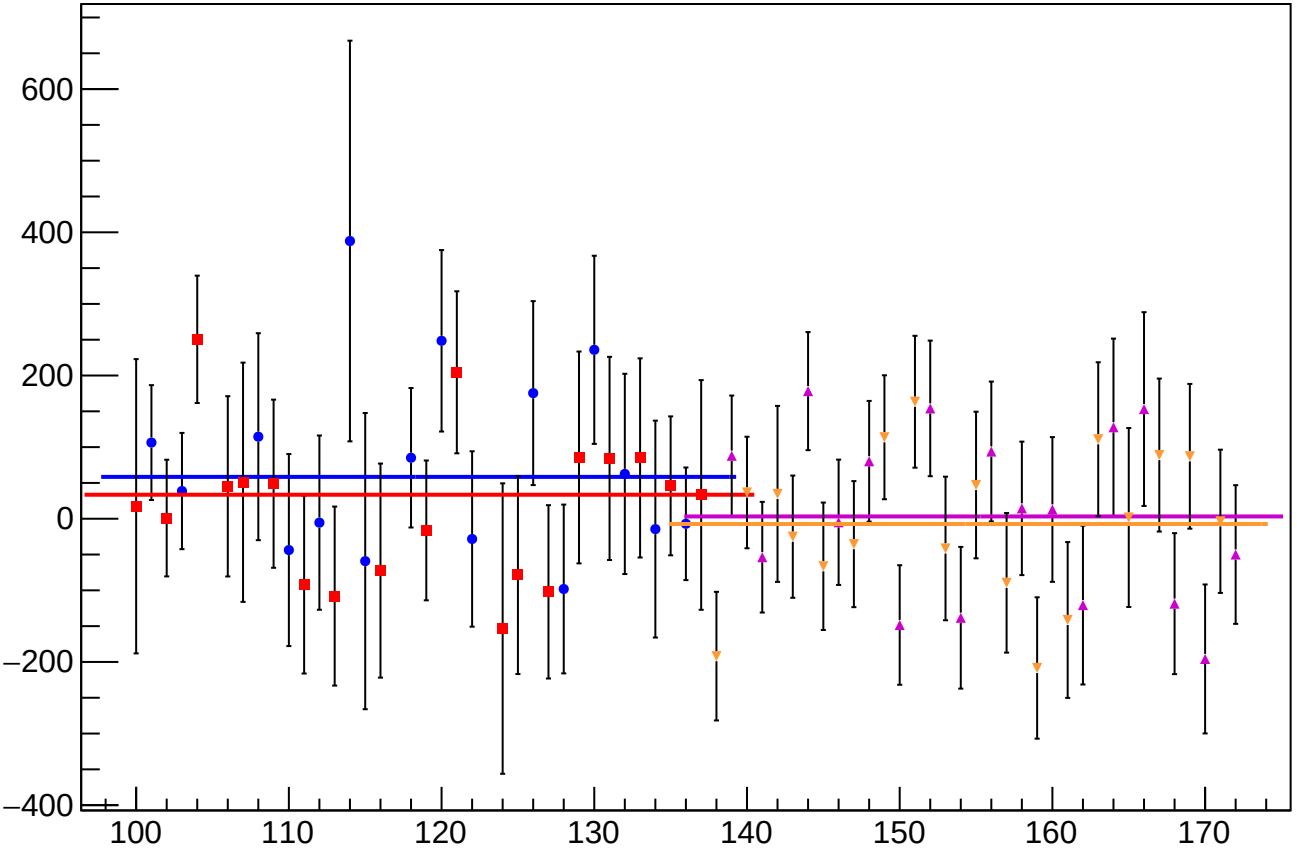
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1640.710+/-0.264 χ^2/NDF:3787273.3/32

Out: 1607.992+/-0.256 χ^2/NDF:3919385.2/36

All: 1623.837+/-0.184 χ^2/NDF: 7714571.8/69

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -7.338+/-22.807 χ^2/NDF:20.3/17

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: 3.190+/-22.906 χ^2/NDF:24.7/16

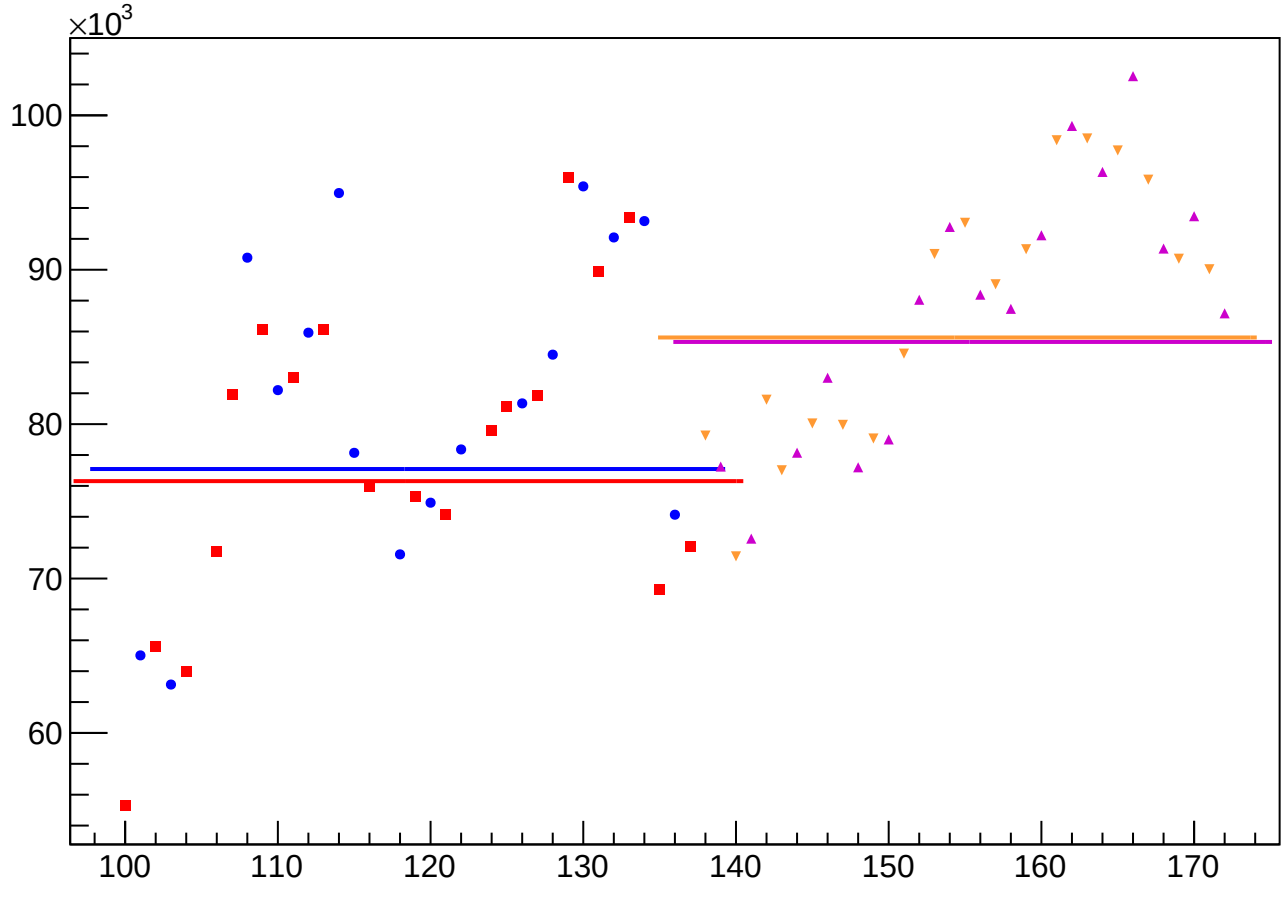
Left: -2.097+/-16.162 χ^2/NDF: 45.1/34

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 24.494+/-17.955 χ^2/NDF:38.2/32

Out: 8.885+/-17.710 χ^2/NDF:36.3/36

All: 16.582+/-12.609 χ^2/NDF: 74.9/69



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 85612.795+/-16.127 χ^2/NDF:254491.8/17

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

Left In: 85323.686+/-16.197 χ^2/NDF:245273.0/16

Left: 85468.865+/-11.428 χ^2/NDF: 499924.8/34

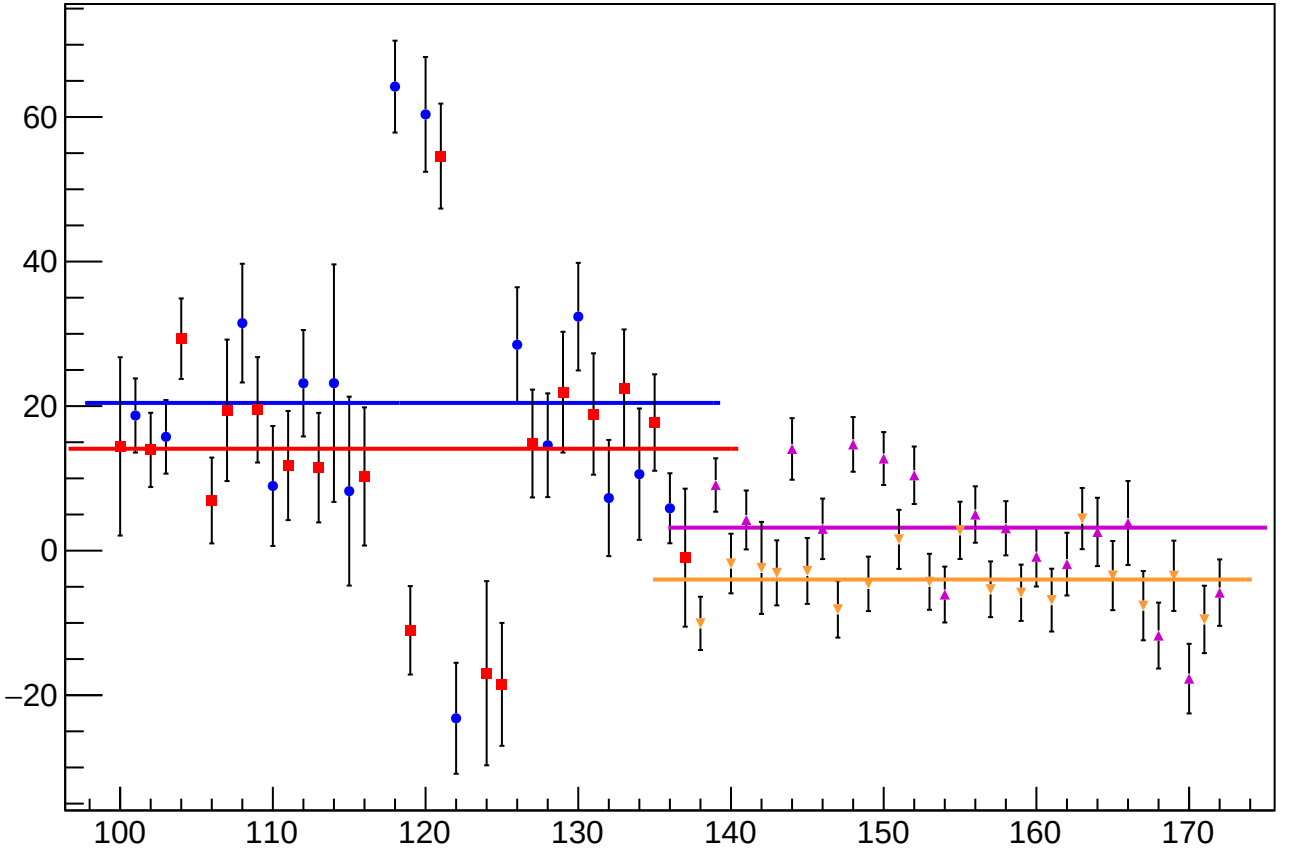
Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 82150.473+/-12.696 χ^2/NDF:593369.5/32

Out: 81918.606+/-12.523 χ^2/NDF:621076.9/36

All: 82032.943+/-8.916 χ^2/NDF: 1214615.5/6

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -3.994+/-1.001 χ^2/NDF:15.8/17

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: -0.435+/-0.711 χ^2/NDF: 111.5/34

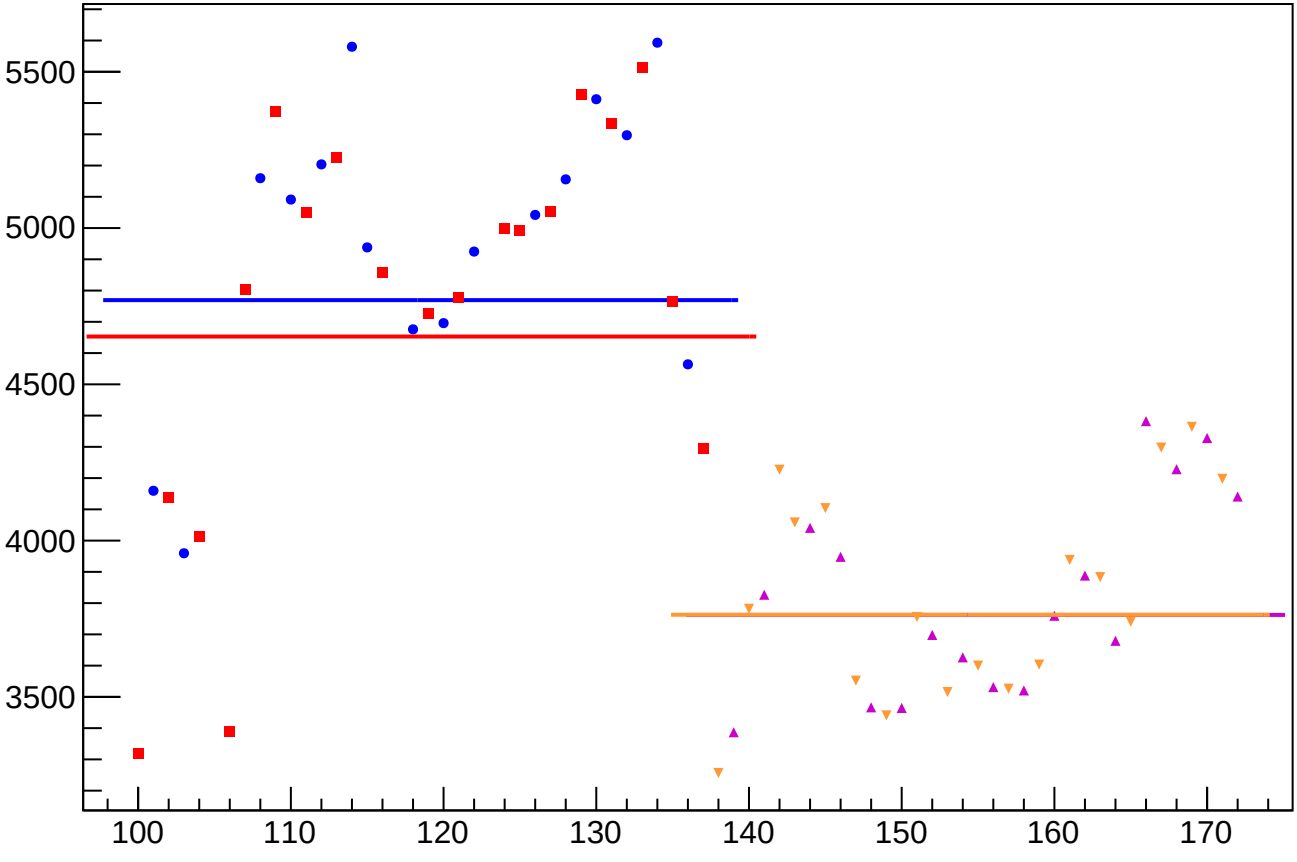
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 7.374+/-0.878 χ^2/NDF:269.1/32

Out: 0.610+/-0.864 χ^2/NDF:182.8/36

All: 3.939+/-0.616 χ^2/NDF: 482.0/69

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3762.802+/-0.708 χ^2/NDF:188792.9/17

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: 3762.519+/-0.503 χ^2/NDF: 353294.1/34

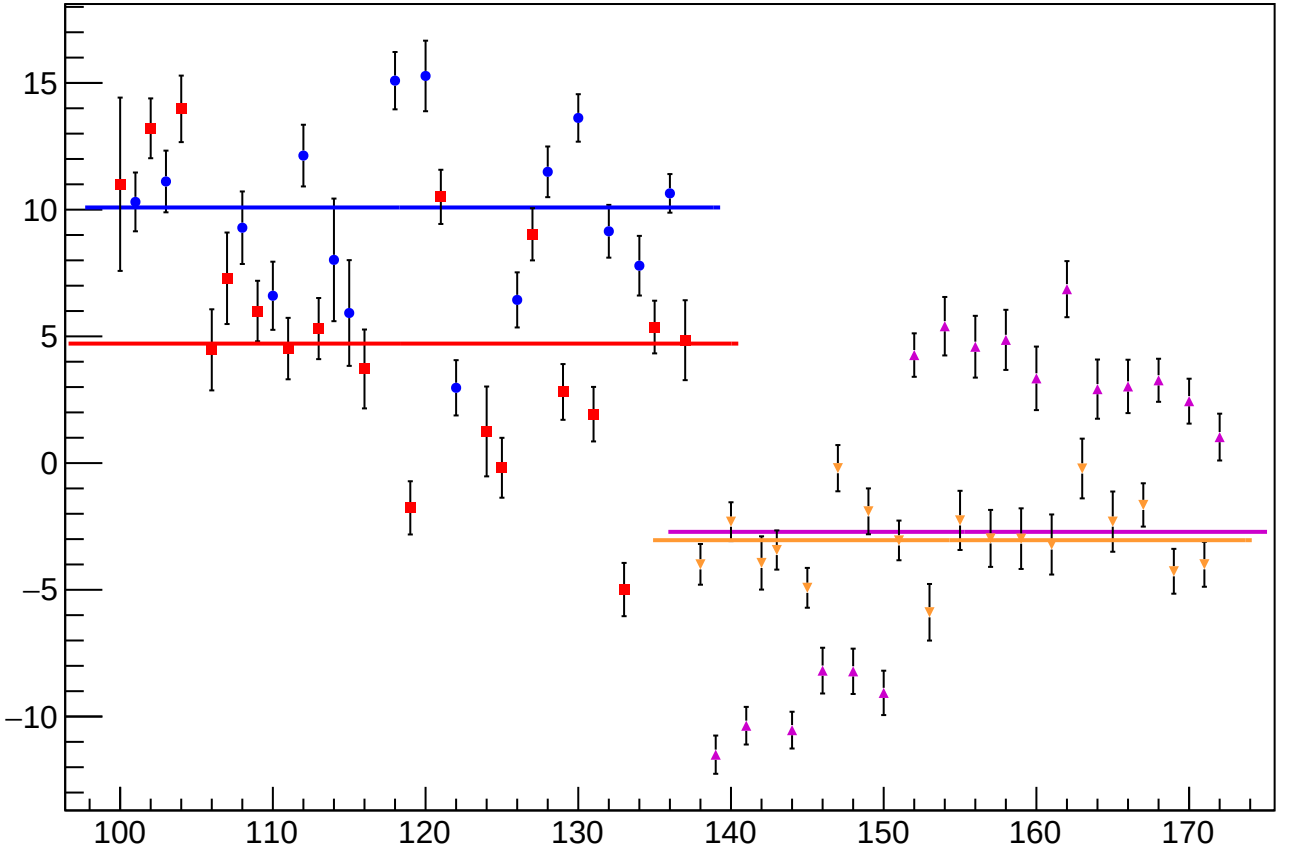
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4006.817+/-0.621 χ^2/NDF:799903.8/32

Out: 3989.291+/-0.611 χ^2/NDF:856255.3/36

All: 3997.915+/-0.436 χ^2/NDF: 1656563.7/69

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.042+/-0.220 χ^2/NDF:39.1/17

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -2.713+/-0.225 χ^2/NDF:928.9/16

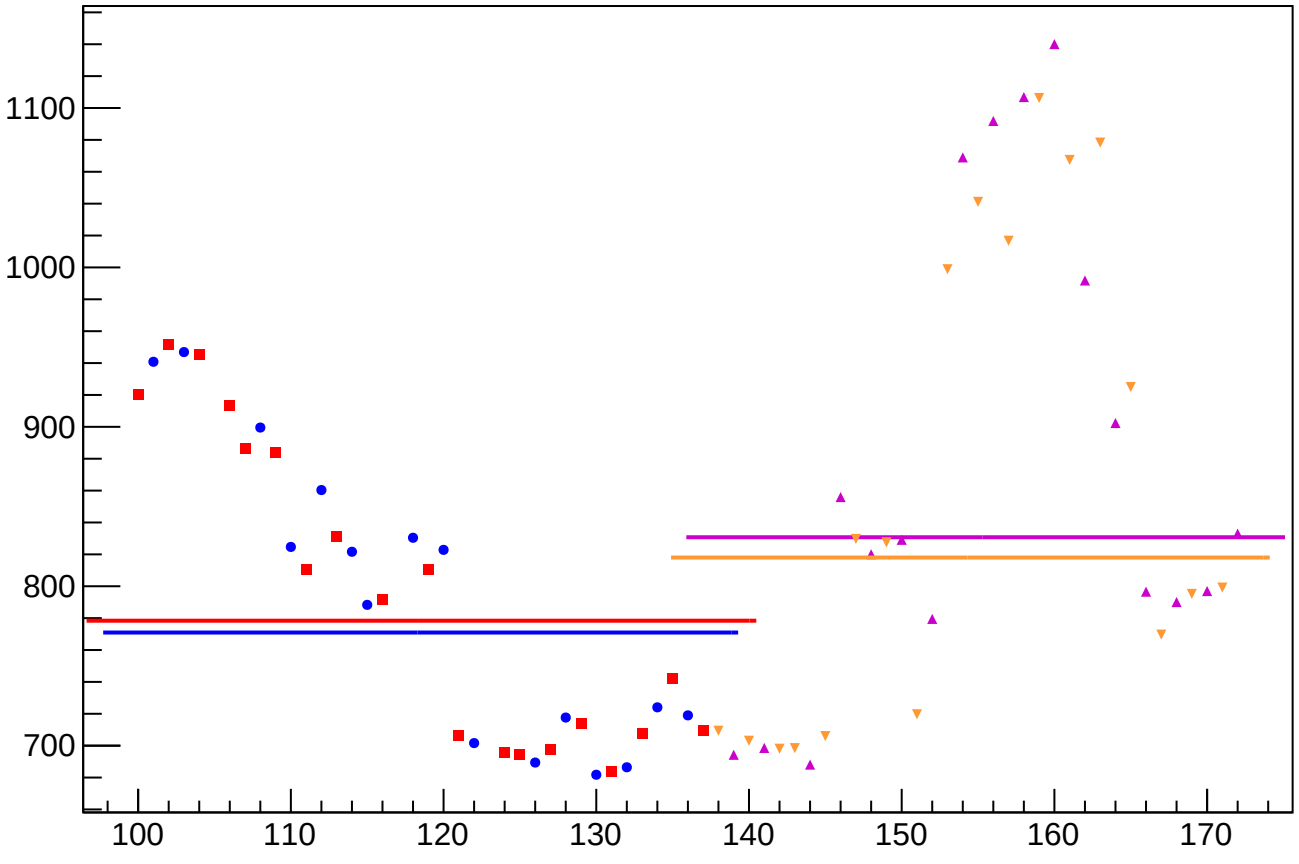
Left: -2.881+/-0.158 χ^2/NDF: 969.1/34

Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 2.143+/-0.178 χ^2/NDF:2275.4/32

Out: -0.149+/-0.175 χ^2/NDF:811.4/36

All: 0.977+/-0.124 χ^2/NDF: 3171.5/69



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 818.012+/-0.156 χ^2/NDF:743188.9/17

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: 824.232+/-0.111 χ^2/NDF: 1428364.0/34

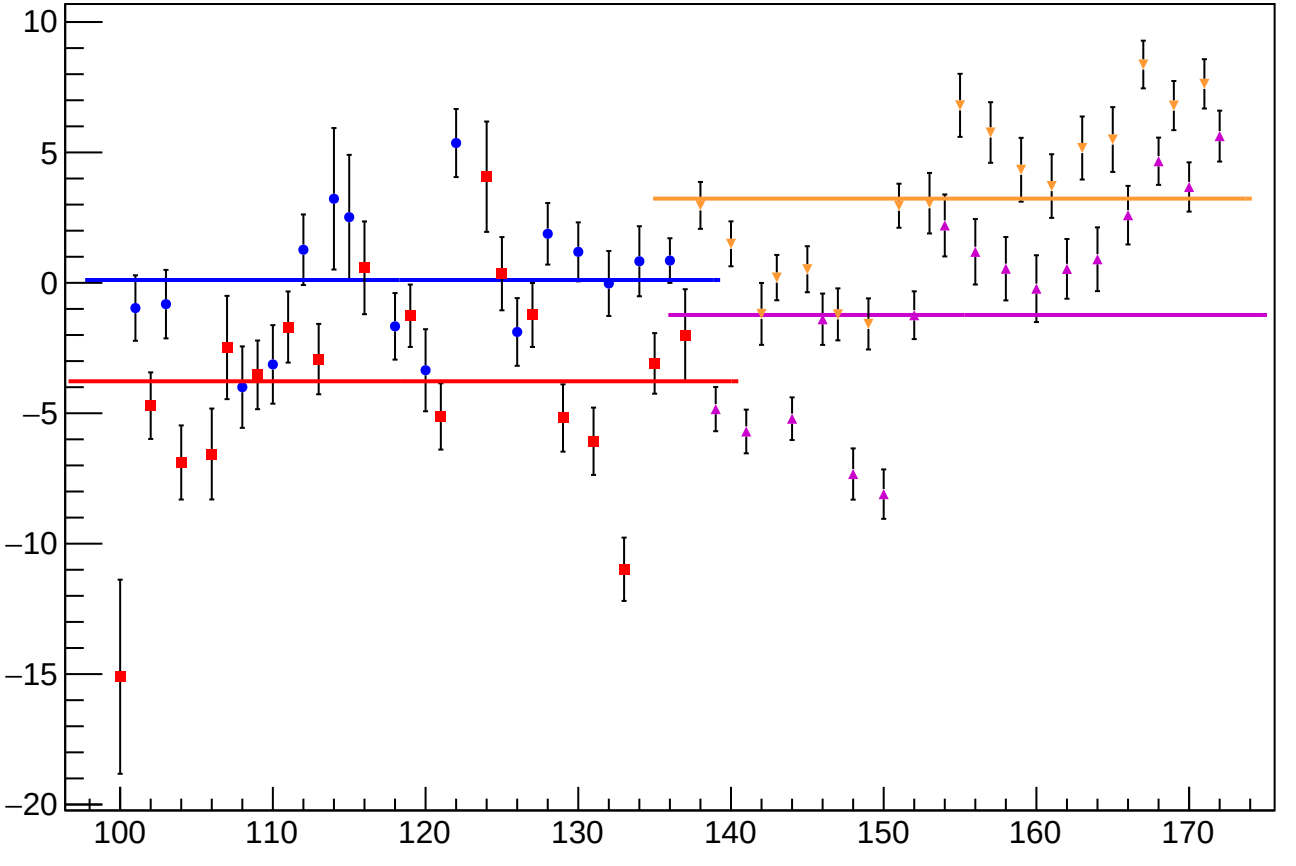
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 808.065+/-0.126 χ^2/NDF:928143.8/32

Out: 803.235+/-0.123 χ^2/NDF:963836.8/36

All: 805.607+/-0.088 χ^2/NDF: 1892732.8/69

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 3.230+/-0.238 χ^2/NDF:171.6/17

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: 1.045+/-0.170 χ^2/NDF: 655.5/34

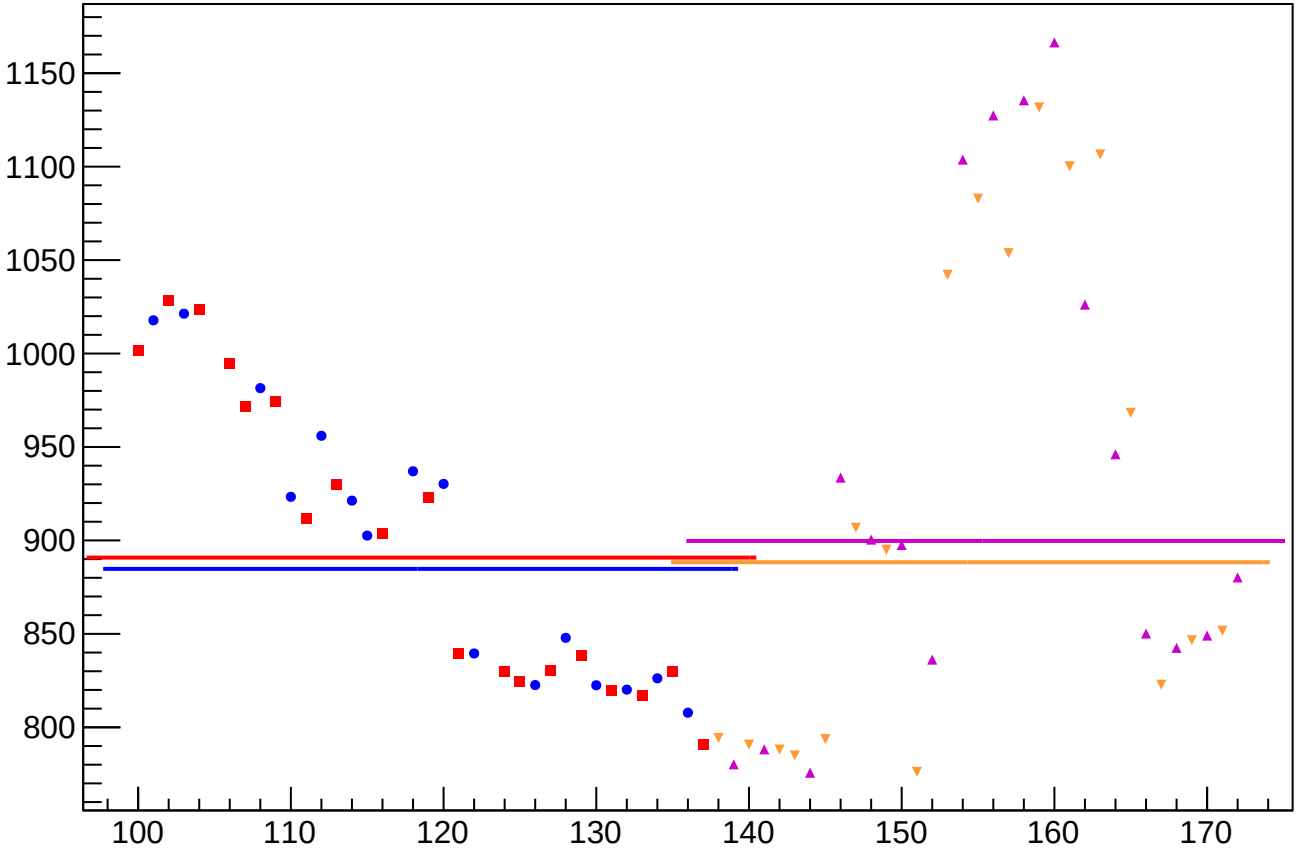
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -0.760+/-0.196 χ^2/NDF:367.9/32

Out: 0.794+/-0.192 χ^2/NDF:572.1/36

All: 0.031+/-0.137 χ^2/NDF: 972.2/69

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 888.324+/-0.168 χ^2/NDF:506634.5/17

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: 893.904+/-0.120 χ^2/NDF: 974584.1/34

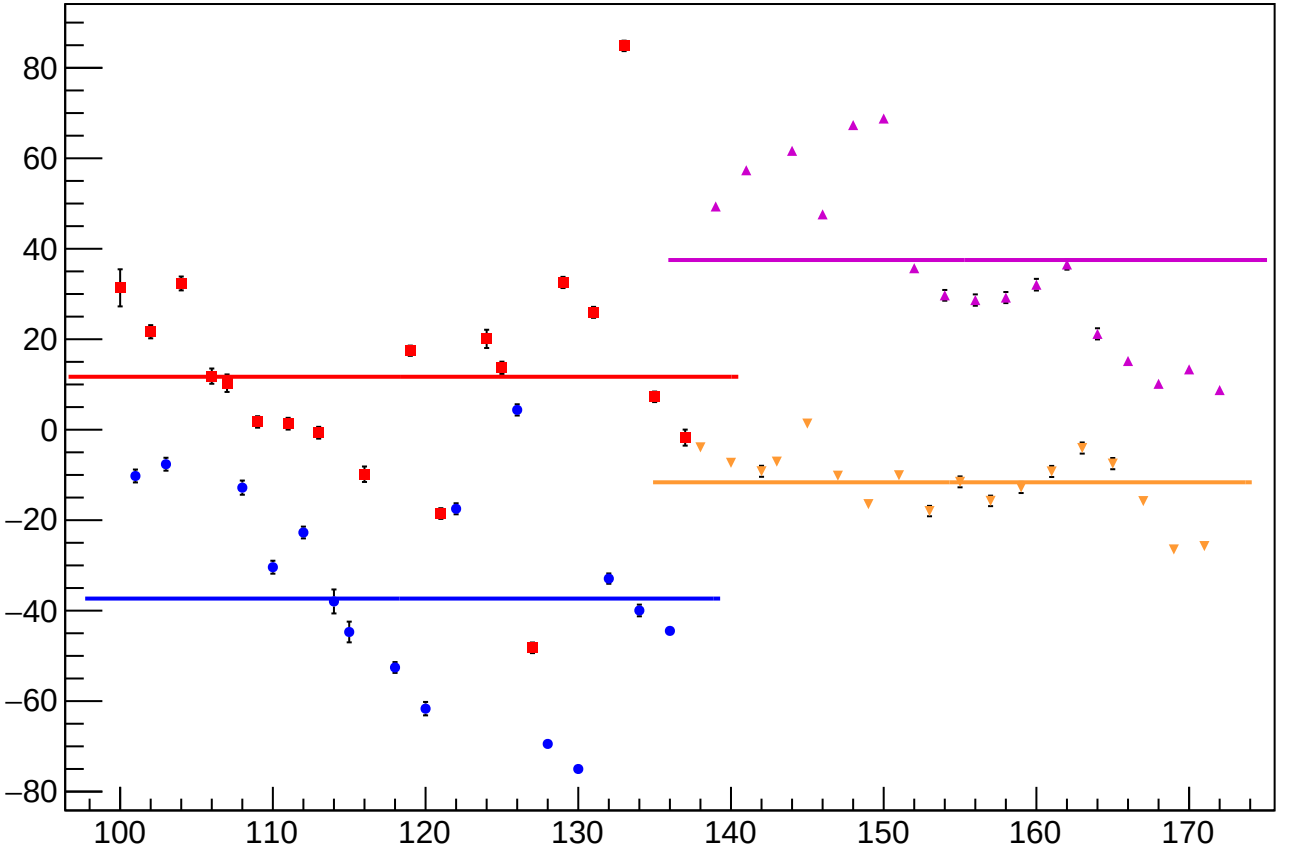
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 894.460+/-0.138 χ^2/NDF:572861.4/32

Out: 889.191+/-0.136 χ^2/NDF:614474.3/36

All: 891.780+/-0.097 χ^2/NDF: 1188073.6/69

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -11.625+/-0.241 χ^2/NDF:958.0/17

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: 12.357+/-0.172 χ^2/NDF: 27903.5/34

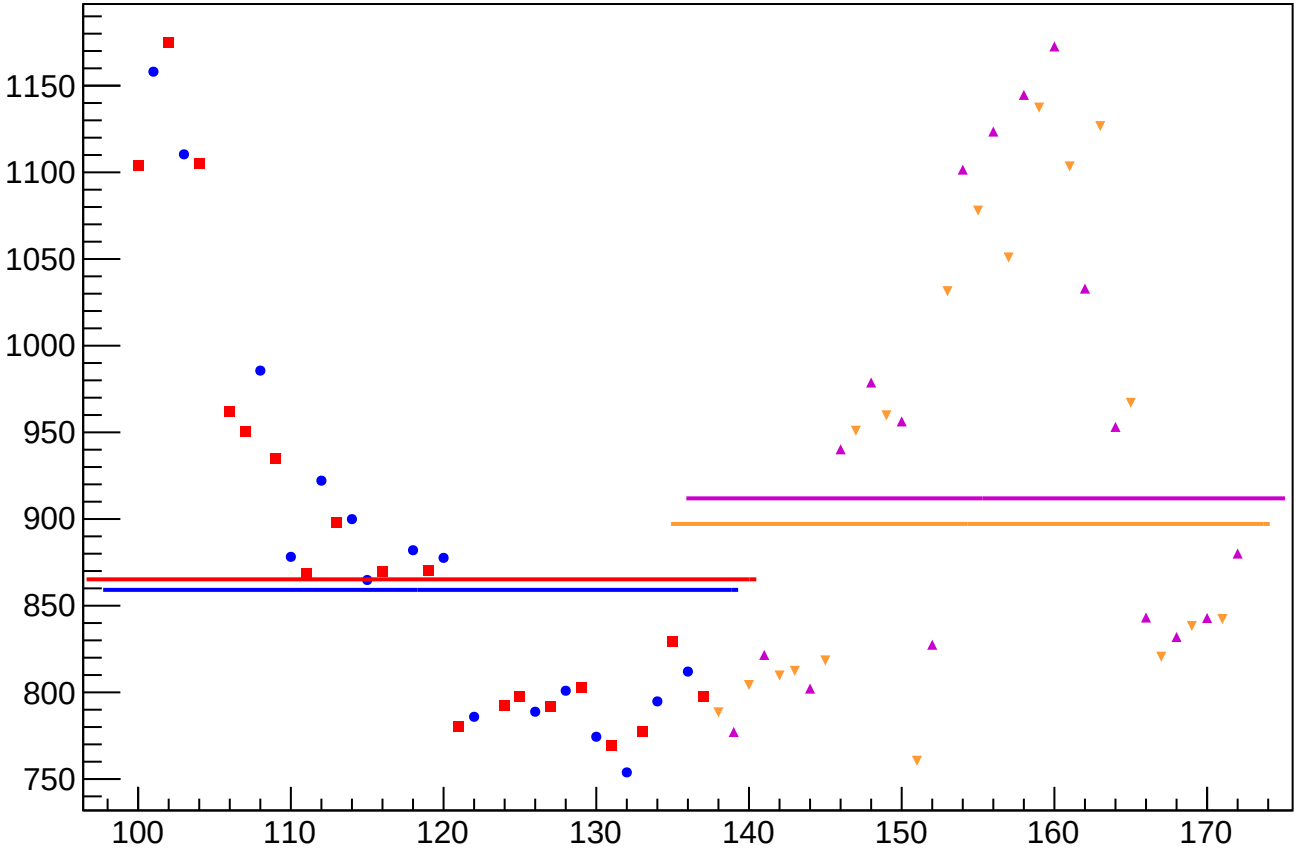
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 9.848+/-0.196 χ^2/NDF:45876.7/32

Out: -3.130+/-0.192 χ^2/NDF:12846.6/36

All: 3.232+/-0.137 χ^2/NDF: 60967.3/69

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 897.172+/-0.170 χ^2/NDF:507336.4/17

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 911.922+/-0.174 χ^2/NDF:459681.9/16

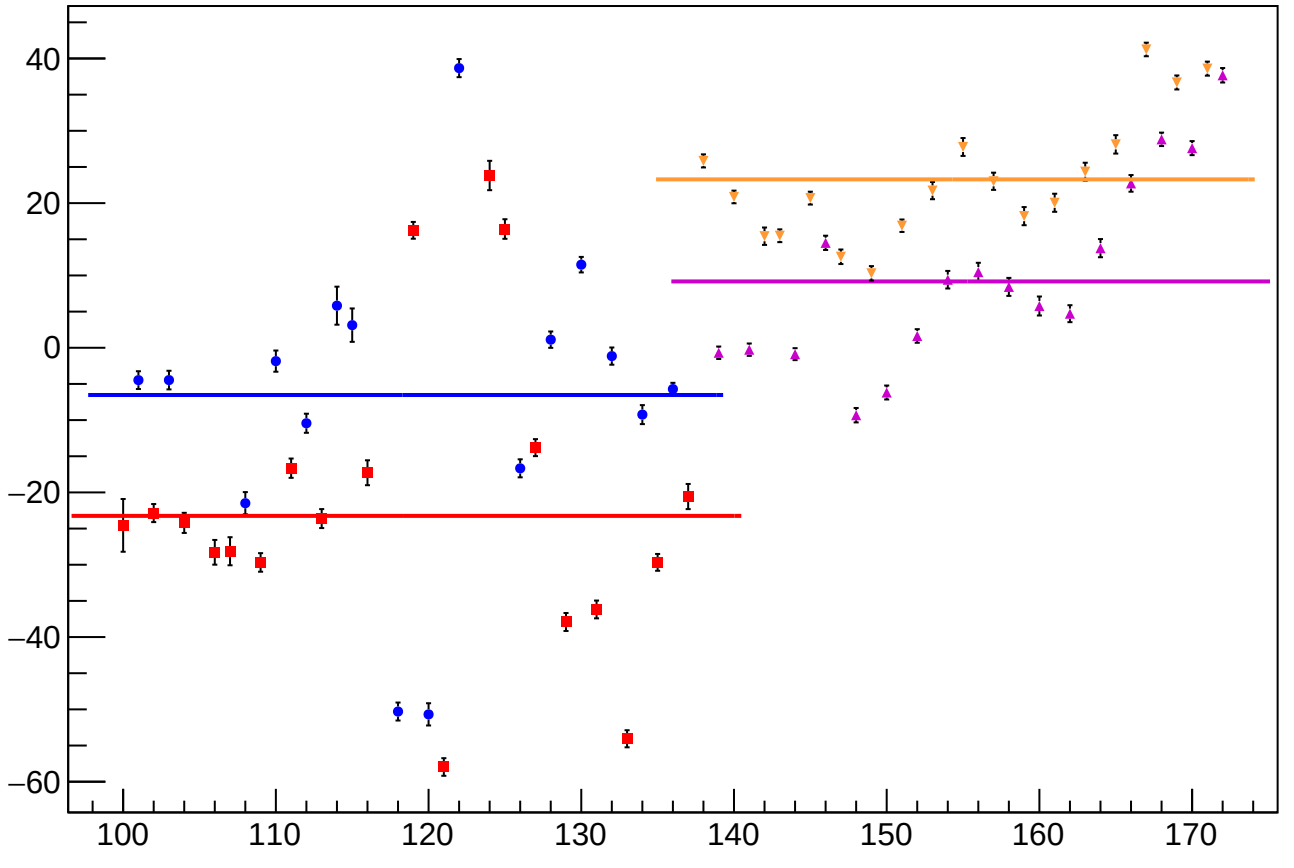
Left: 904.370+/-0.122 χ^2/NDF: 970688.0/34

Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 892.406+/-0.138 χ^2/NDF:722339.6/32

Out: 885.536+/-0.136 χ^2/NDF:743857.8/36

All: 888.904+/-0.097 χ^2/NDF: 1467454.8/69



Right In: -6.529+/-0.321 χ^2/NDF: 3946.1/15

Left Out: 23.282+/-0.243 χ^2/NDF:1341.2/17

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: 16.376+/-0.173 χ^2/NDF: 5878.1/34

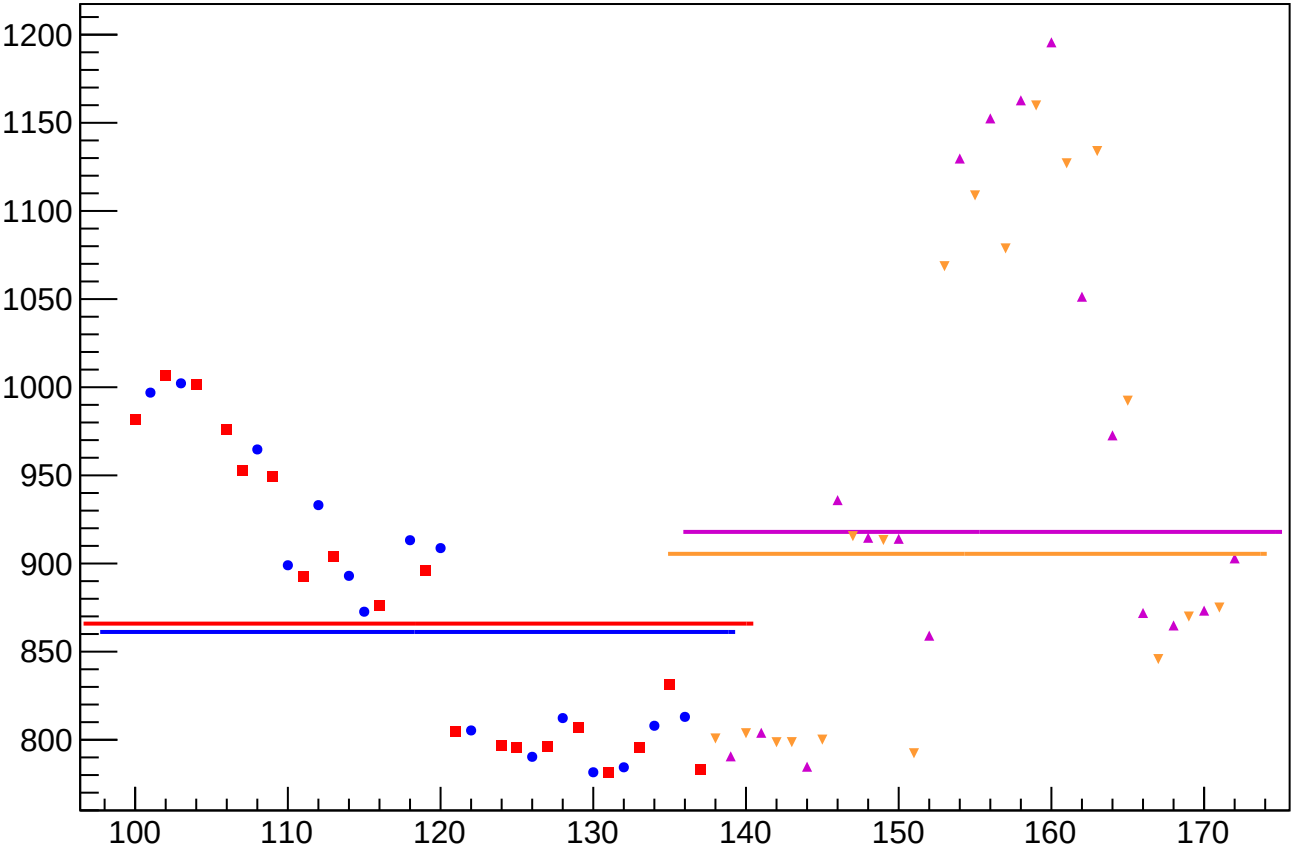
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: 3.309+/-0.196 χ^2/NDF:8327.5/32

Out: 6.081+/-0.193 χ^2/NDF:19386.5/36

All: 4.720+/-0.138 χ^2/NDF: 27815.5/69

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 905.493+/-0.172 χ^2/NDF:530799.8/17

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: 911.582+/-0.123 χ^2/NDF: 1011897.0/34

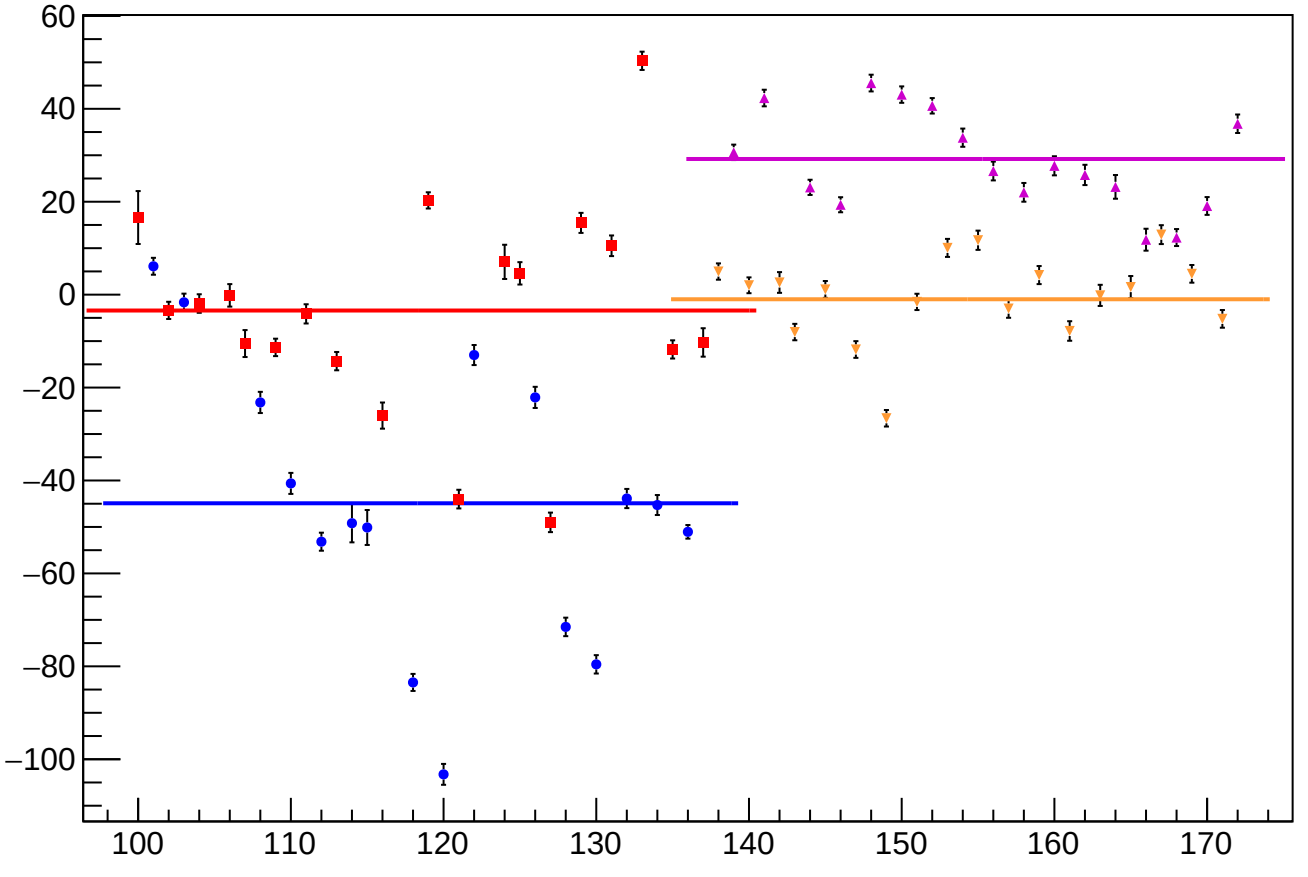
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 896.734+/-0.139 χ^2/NDF:631195.1/32

Out: 890.857+/-0.136 χ^2/NDF:668872.4/36

All: 893.743+/-0.097 χ^2/NDF: 1300980.3/69

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -0.992+/-0.454 χ^2/NDF:428.8/17

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: 13.977+/-0.322 χ^2/NDF: 3130.9/34

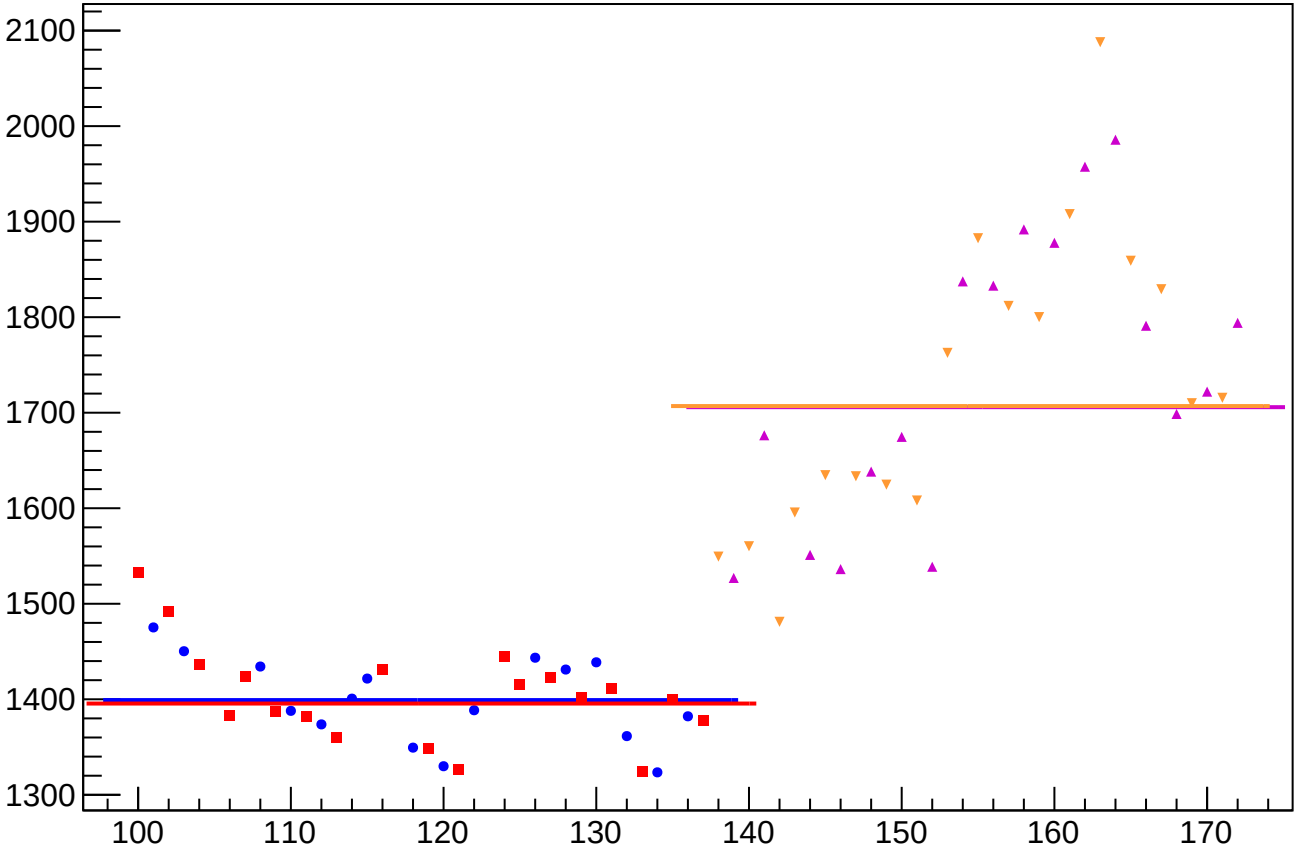
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -3.150+/-0.343 χ^2/NDF:15332.6/32

Out: -2.065+/-0.339 χ^2/NDF:2543.5/36

All: -2.600+/-0.241 χ^2/NDF: 17881.1/69

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1706.949+/-0.321 χ^2/NDF:192698.2/17

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: 1706.379+/-0.228 χ^2/NDF: 385155.3/34

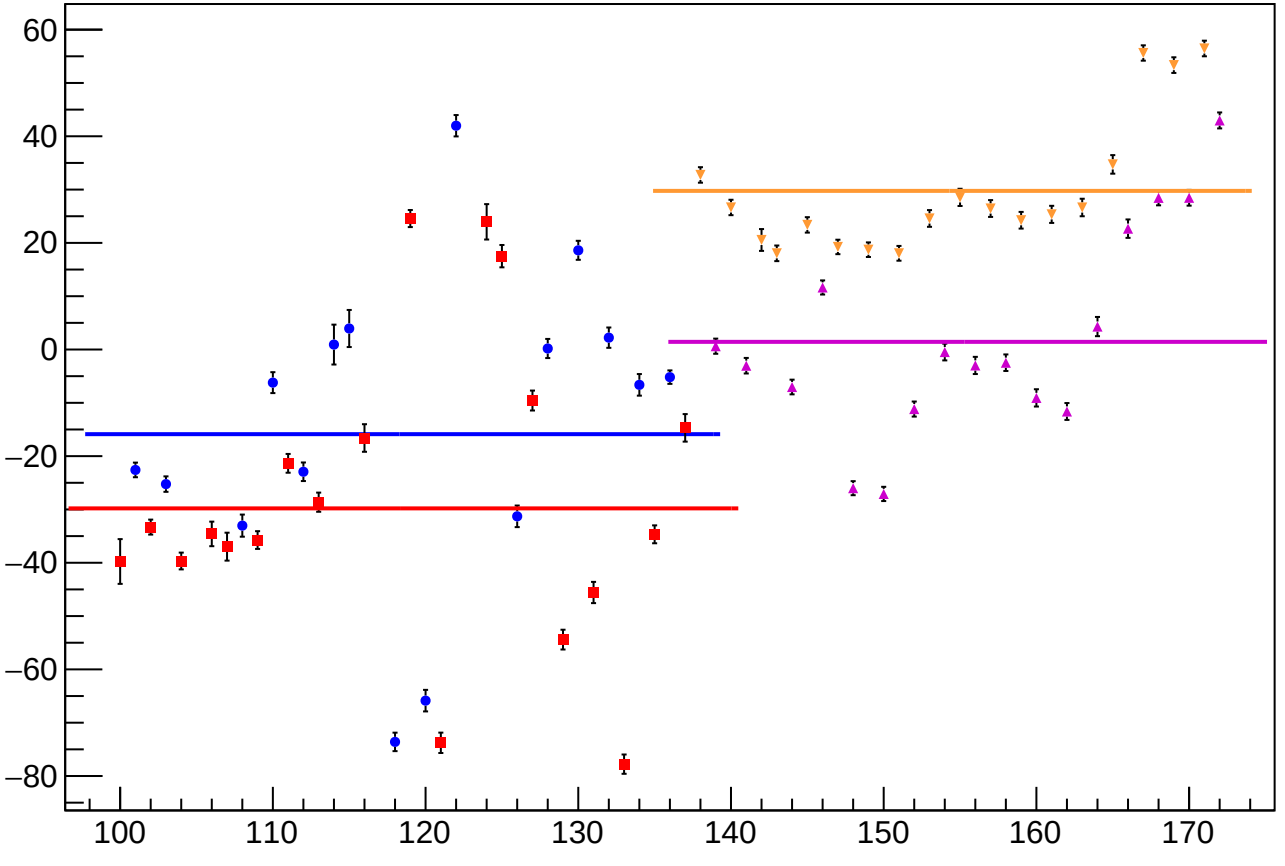
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1571.946+/-0.243 χ^2/NDF:599292.2/32

Out: 1569.094+/-0.240 χ^2/NDF:625878.3/36

All: 1570.501+/-0.171 χ^2/NDF: 1225240.4/69

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 29.756+/-0.357 χ^2/NDF:1269.5/17

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: 15.684+/-0.253 χ^2/NDF: 7220.7/34

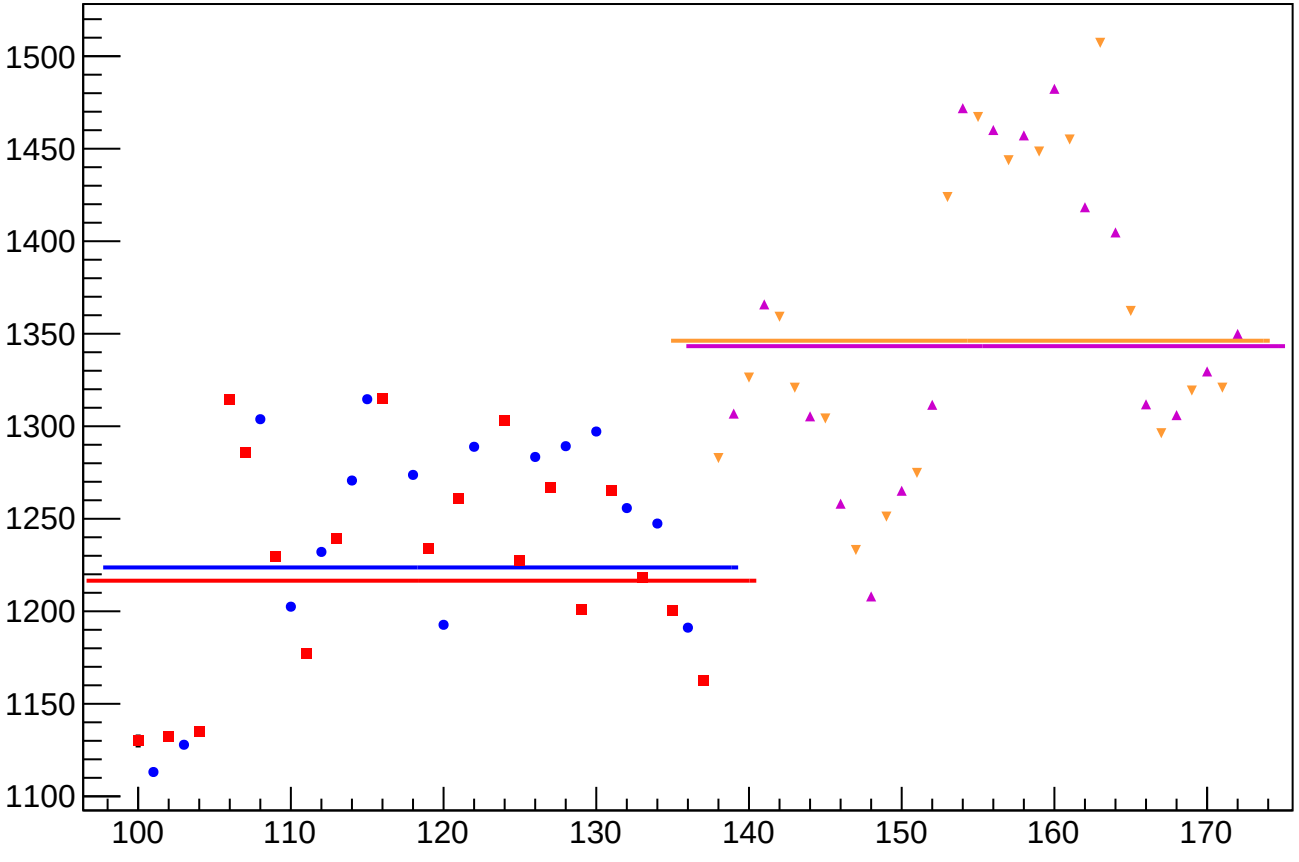
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -5.213+/-0.282 χ^2/NDF:7198.4/32

Out: 6.371+/-0.278 χ^2/NDF:15860.8/36

All: 0.655+/-0.198 χ^2/NDF: 23913.2/69

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1346.230+/-0.253 χ^2/NDF:99993.5/17

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: 1344.769+/-0.179 χ^2/NDF: 199064.2/34

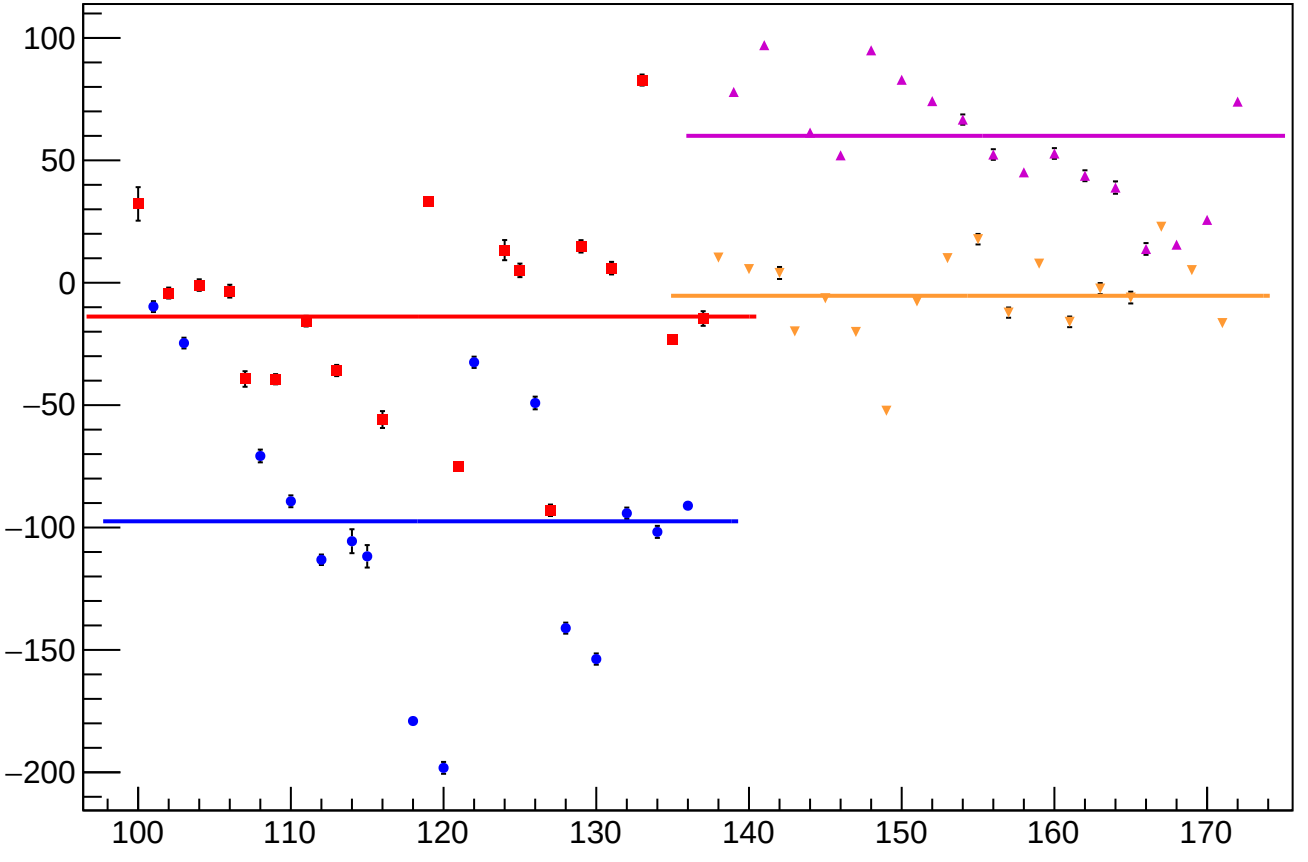
Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1297.357+/-0.200 χ^2/NDF:224890.2/32

Out: 1295.303+/-0.197 χ^2/NDF:232854.0/36

All: 1296.317+/-0.140 χ^2/NDF: 457797.9/69

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -5.323+/-0.466 χ^2/NDF:1455.5/17

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: 26.956+/-0.332 χ^2/NDF: 13813.4/34

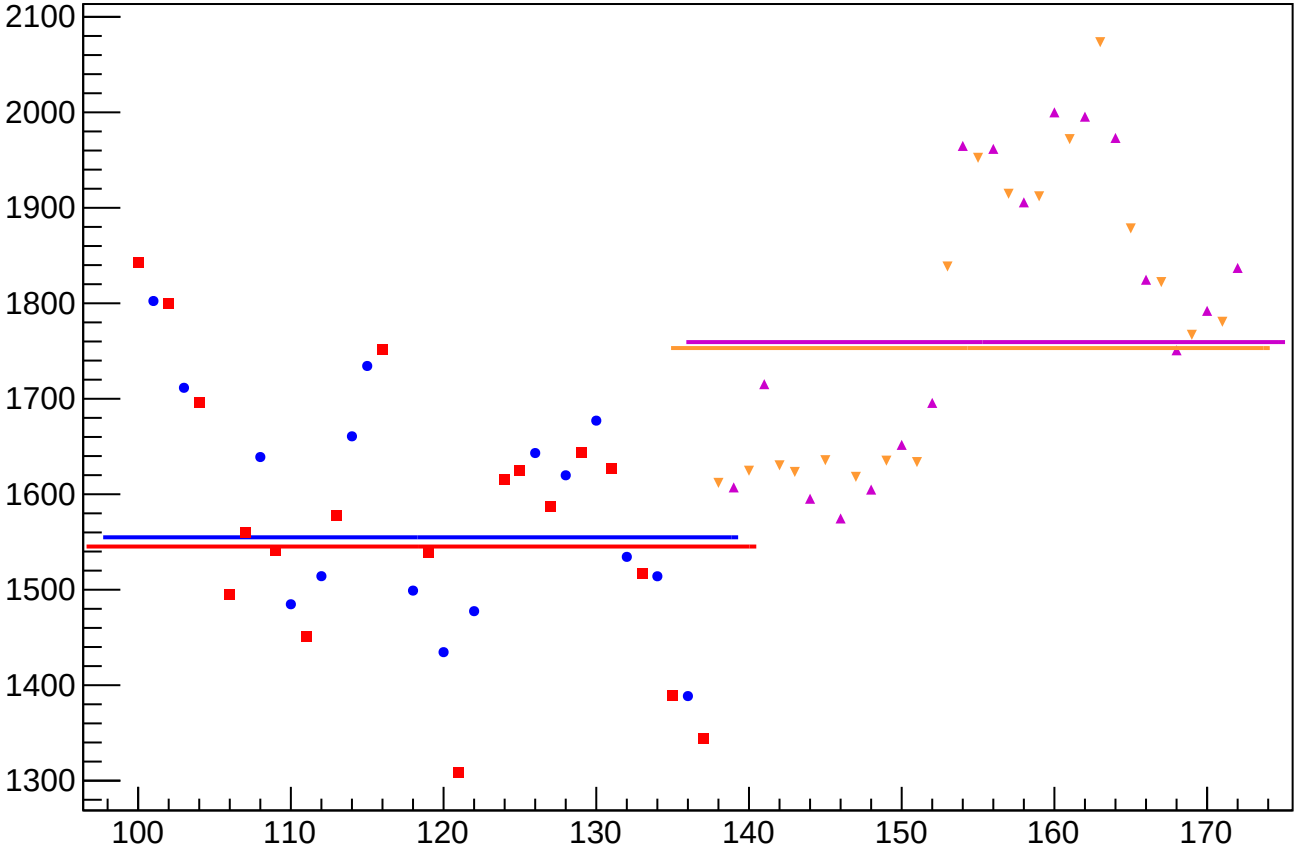
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -2.758+/-0.366 χ^2/NDF:55369.1/32

Out: -8.758+/-0.360 χ^2/NDF:6942.0/36

All: -5.808+/-0.257 χ^2/NDF: 62447.9/69

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1753.123+/-0.330 χ^2/NDF:188705.5/17

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: 1756.208+/-0.234 χ^2/NDF: 387514.3/34

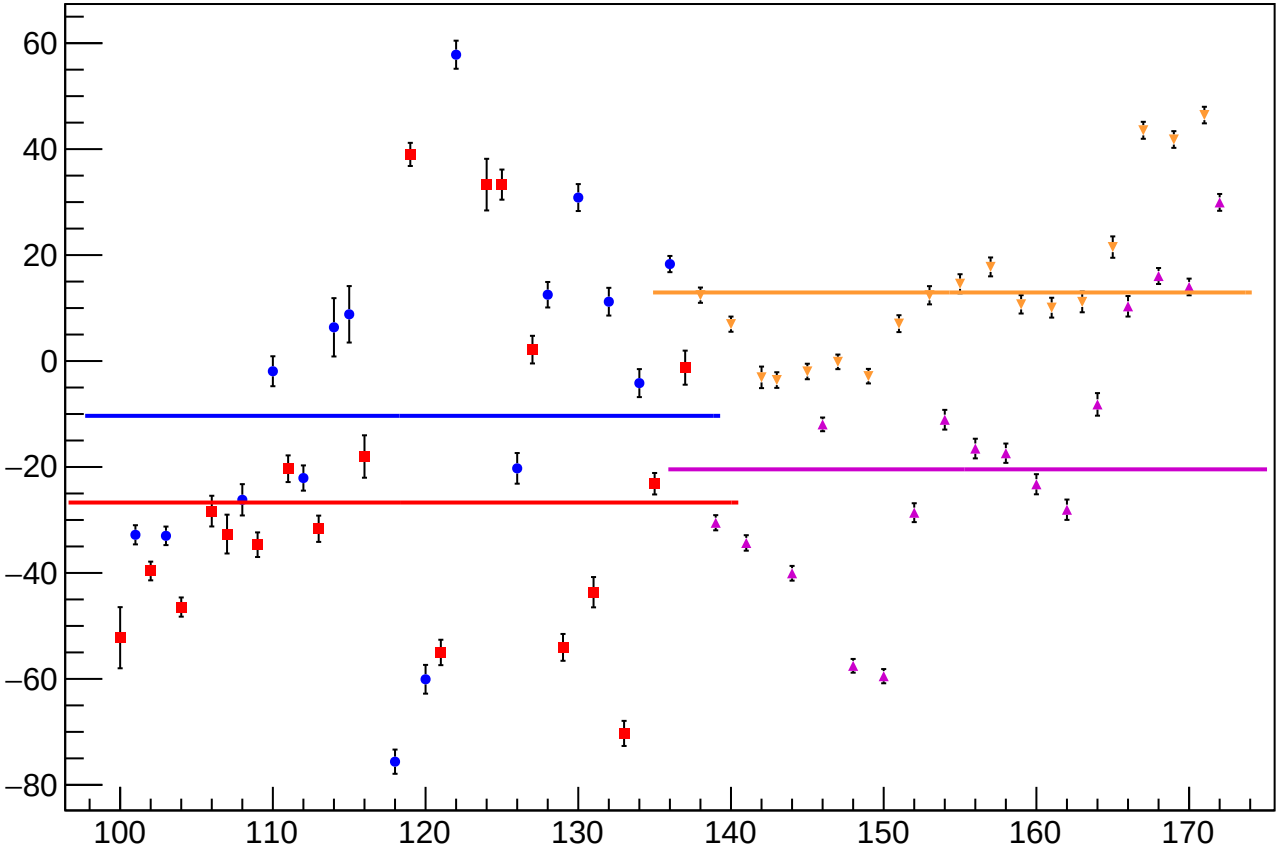
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1677.860+/-0.259 χ^2/NDF:436307.0/32

Out: 1669.050+/-0.254 χ^2/NDF:458368.4/36

All: 1673.381+/-0.181 χ^2/NDF: 895265.2/69

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -10.345+/-0.603 χ^2/NDF: 3007.0/15

Left Out: 12.942+/-0.381 χ^2/NDF:1735.5/17

Right Out: -26.709+/-0.586 χ^2/NDF: 2540.7/18

Left In: -20.444+/-0.387 χ^2/NDF:4472.6/16

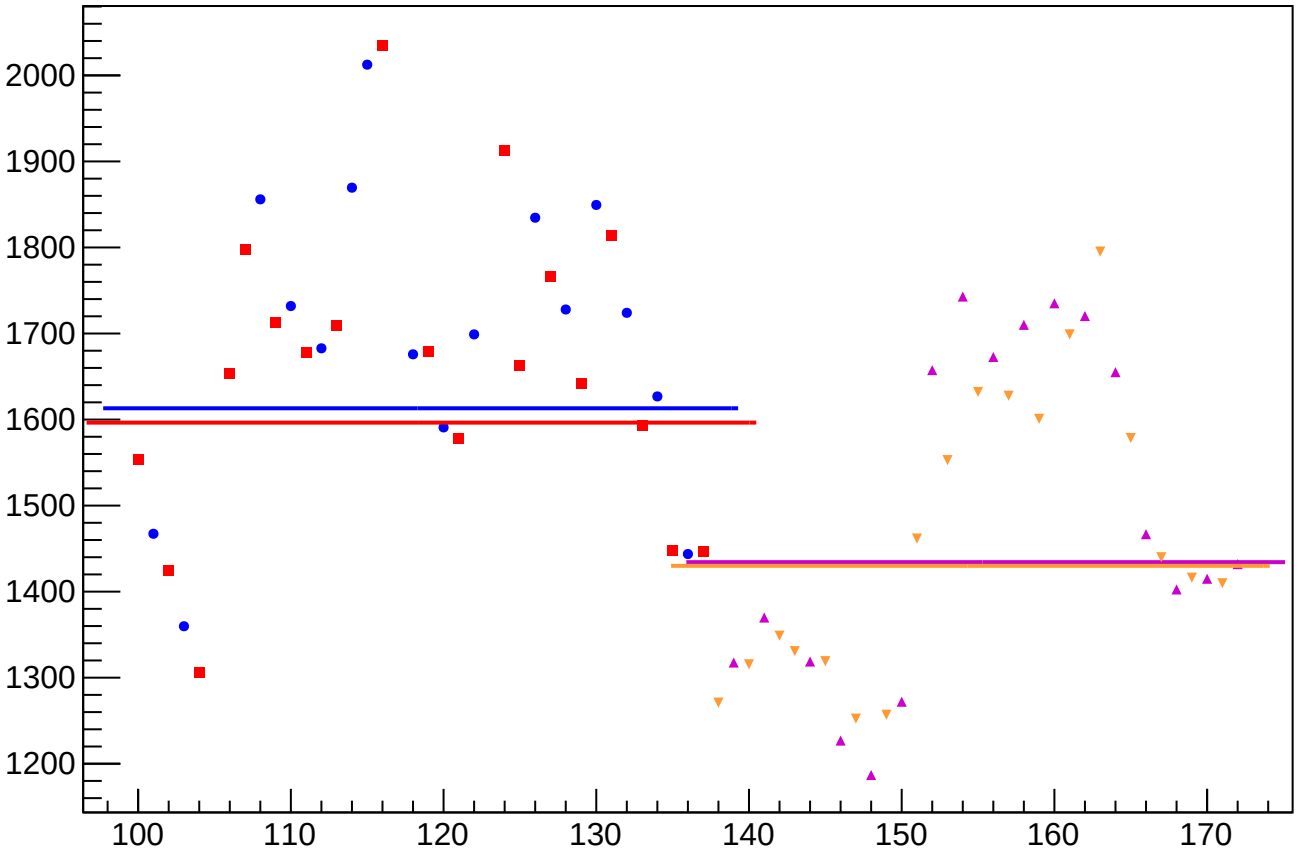
Left: -3.525+/-0.272 χ^2/NDF: 9986.1/34

Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -17.502+/-0.326 χ^2/NDF:7678.3/32

Out: 1.150+/-0.320 χ^2/NDF:7489.2/36

All: -8.009+/-0.228 χ^2/NDF: 16838.5/69



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1429.982+/-0.270 χ^2/NDF:328258.0/17

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: 1432.093+/-0.192 χ^2/NDF: 795634.4/34

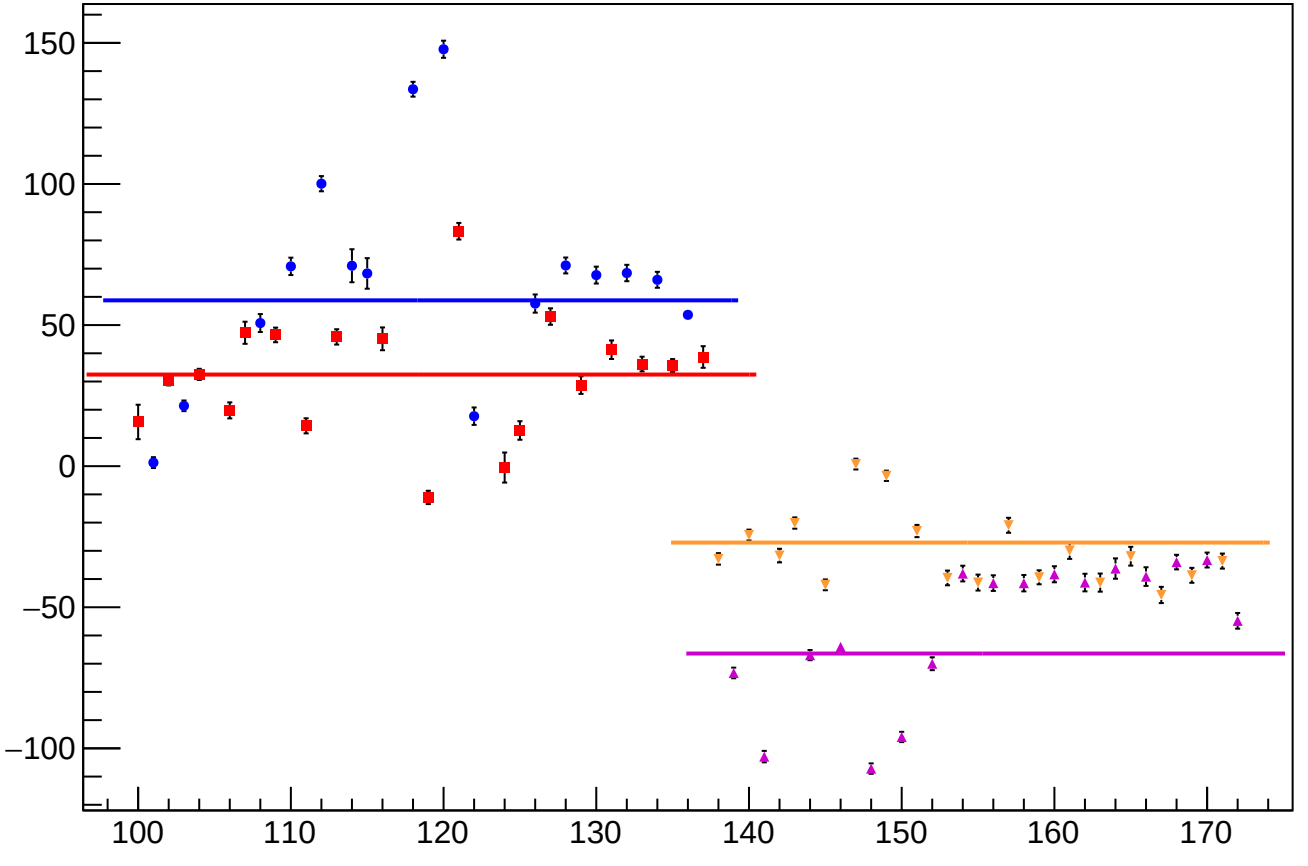
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1486.353+/-0.230 χ^2/NDF:746575.9/32

Out: 1479.484+/-0.226 χ^2/NDF:602223.8/36

All: 1482.857+/-0.161 χ^2/NDF: 1349253.0/69

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -27.070+/-0.553 χ^2/NDF:635.9/17

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: -46.308+/-0.395 χ^2/NDF: 5097.0/34

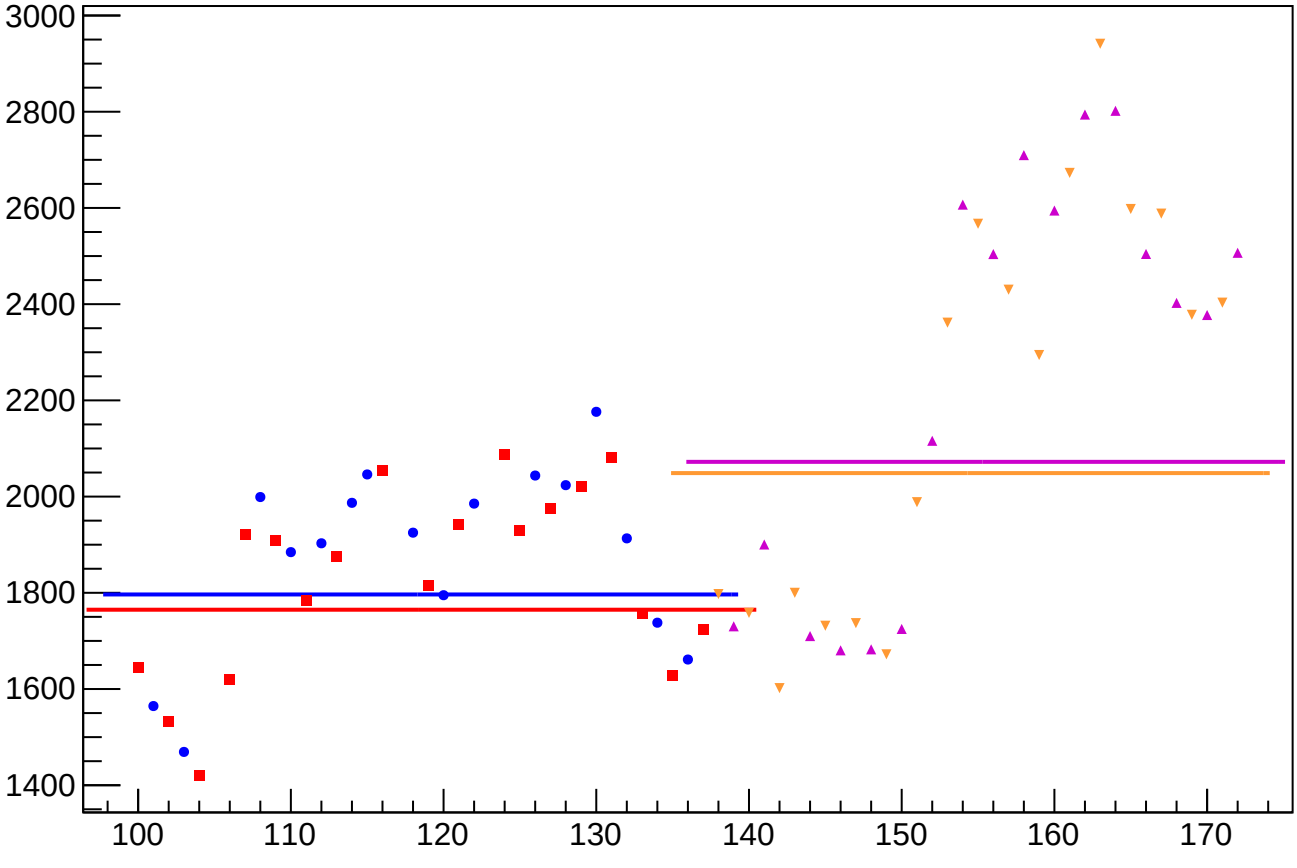
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -14.607+/-0.433 χ^2/NDF:25736.2/32

Out: -2.008+/-0.421 χ^2/NDF:6448.0/36

All: -8.132+/-0.302 χ^2/NDF: 32620.1/69

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 2048.849+/-0.391 χ^2/NDF:961766.9/17

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: 2060.280+/-0.279 χ^2/NDF: 2003247.8/34

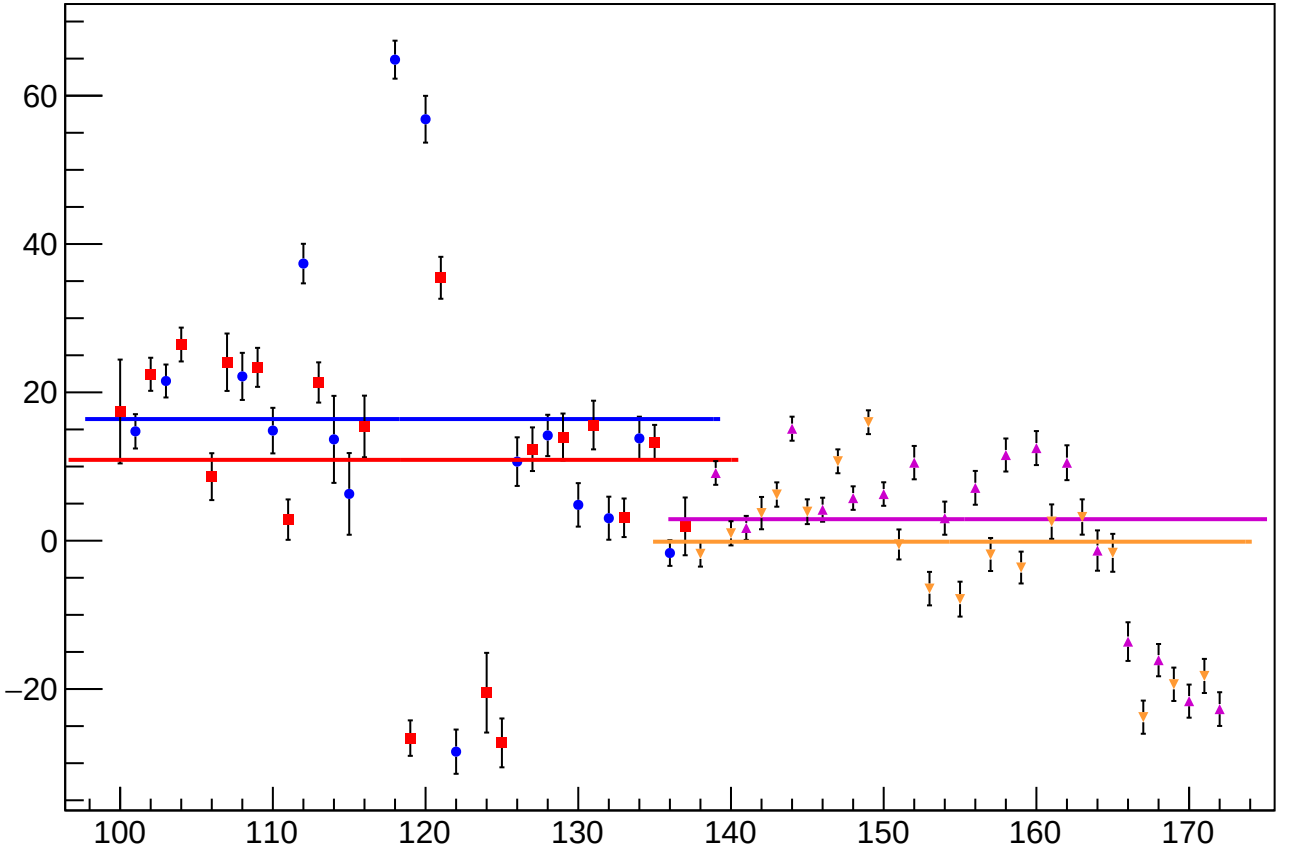
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1958.147+/-0.306 χ^2/NDF:1429922.4/32

Out: 1929.303+/-0.297 χ^2/NDF:1373885.0/36

All: 1943.324+/-0.213 χ^2/NDF: 2808377.2/69

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: -0.135+/-0.468 χ^2/NDF:444.1/17

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: 1.350+/-0.334 χ^2/NDF: 970.0/34

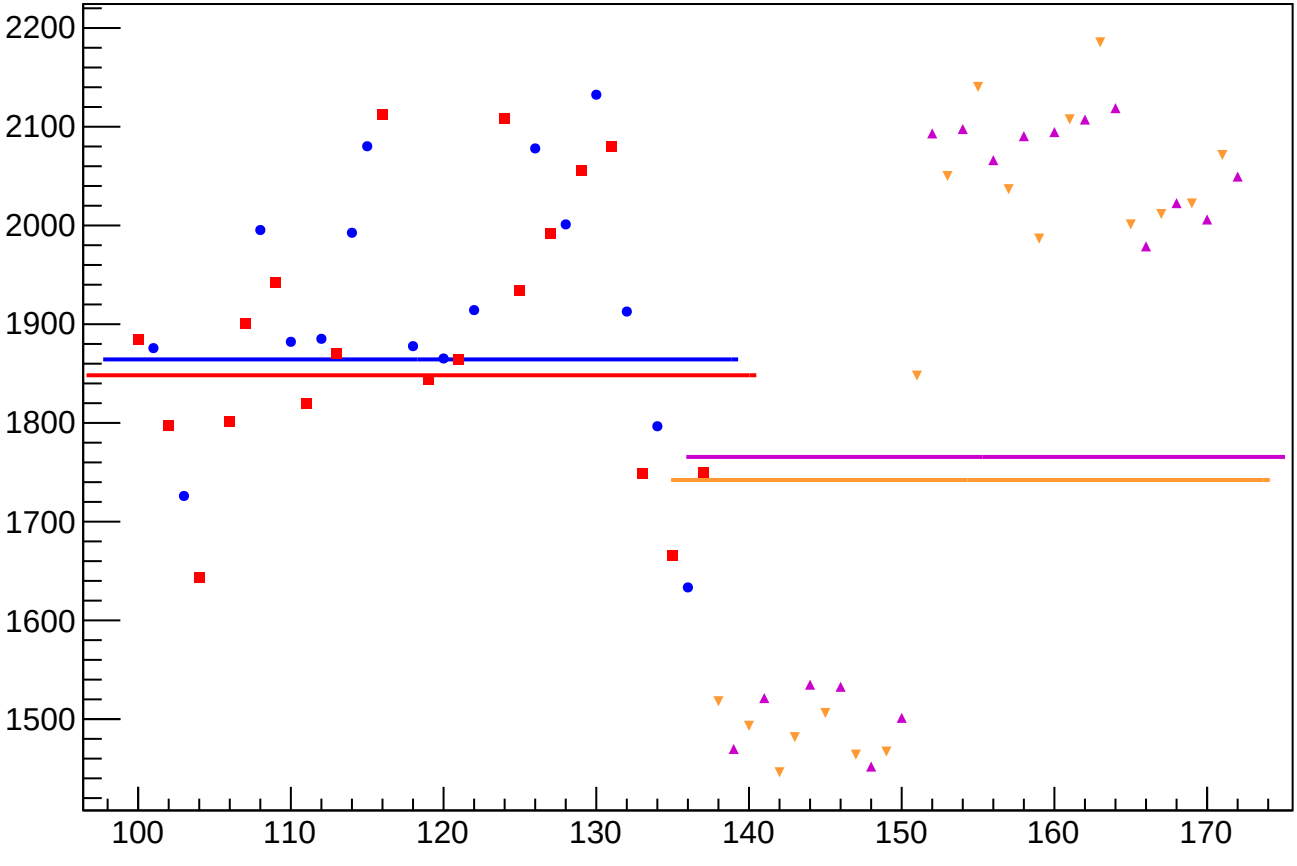
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 7.231+/-0.394 χ^2/NDF:1734.6/32

Out: 3.435+/-0.385 χ^2/NDF:1265.8/36

All: 5.290+/-0.275 χ^2/NDF: 3048.0/69

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1742.211+/-0.331 χ^2/NDF:727560.8/17

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: 1753.640+/-0.236 χ^2/NDF: 1436728.3/34

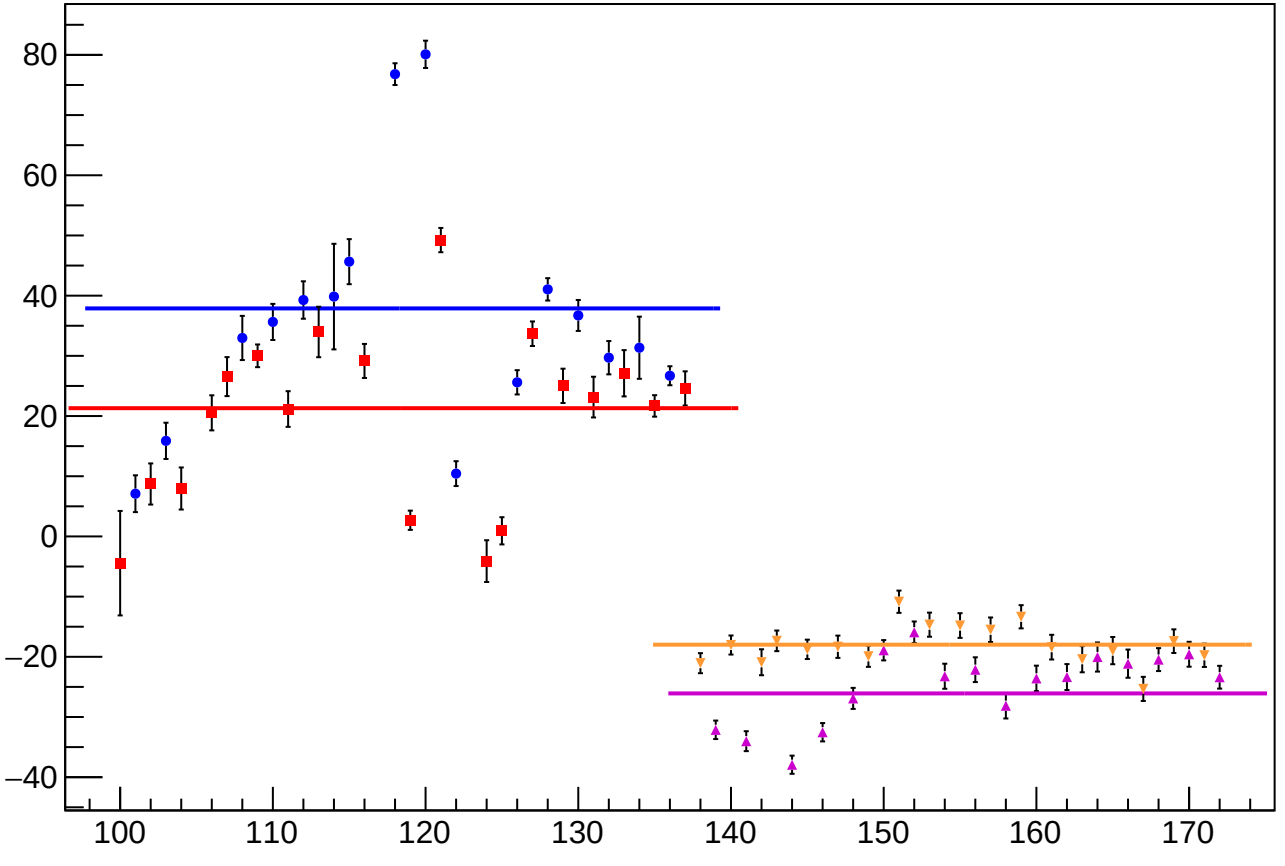
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1797.250+/-0.278 χ^2/NDF:817478.5/32

Out: 1776.535+/-0.272 χ^2/NDF:835801.2/36

All: 1786.654+/-0.195 χ^2/NDF: 1656112.7/69

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -17.985+/-0.446 χ^2/NDF:50.0/17

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: -21.991+/-0.317 χ^2/NDF: 422.6/34

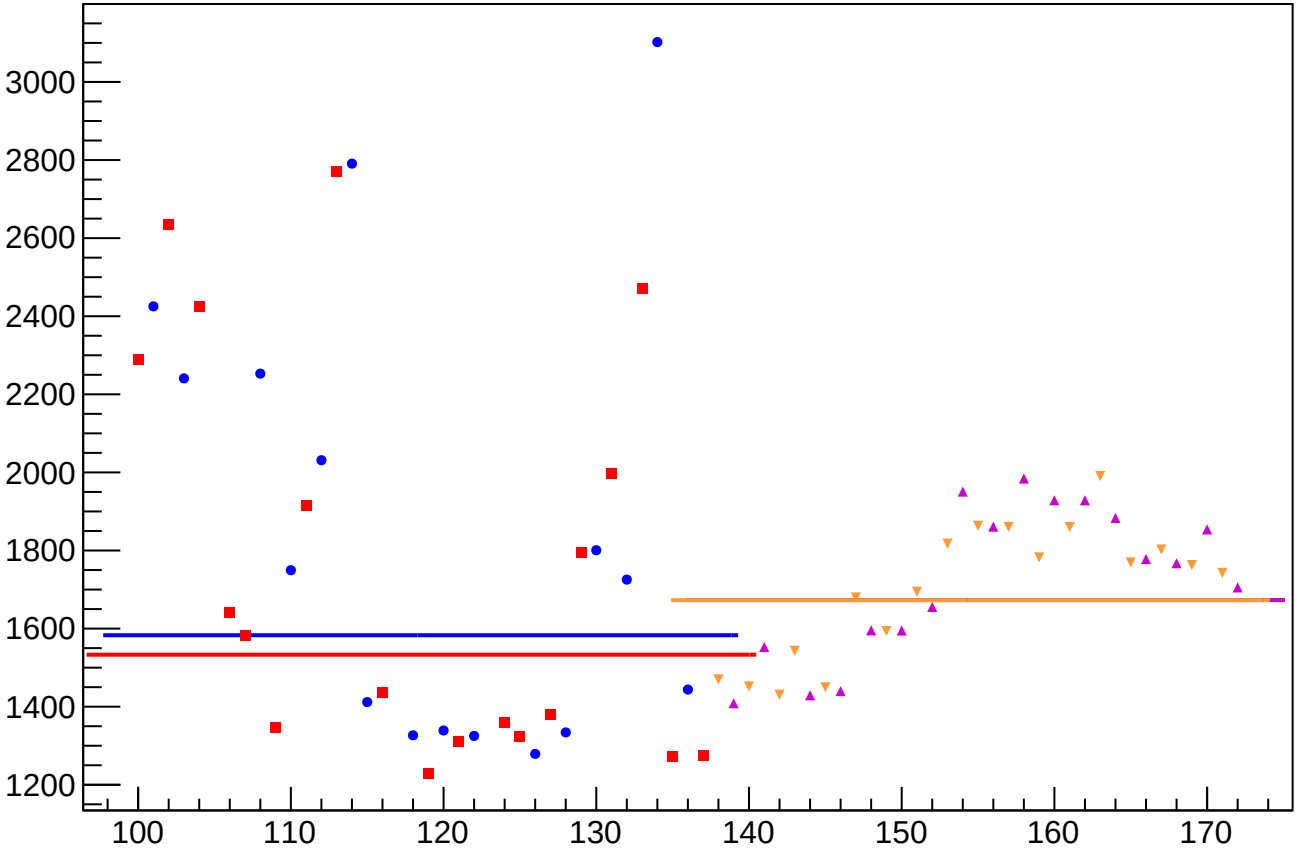
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: -4.080+/-0.365 χ^2/NDF:8388.4/32

Out: -3.787+/-0.356 χ^2/NDF:3437.0/36

All: -3.930+/-0.255 χ^2/NDF: 11825.7/69

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1672.791+/-0.315 χ^2/NDF:277529.2/17

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: 1672.982+/-0.224 χ^2/NDF: 647936.8/34

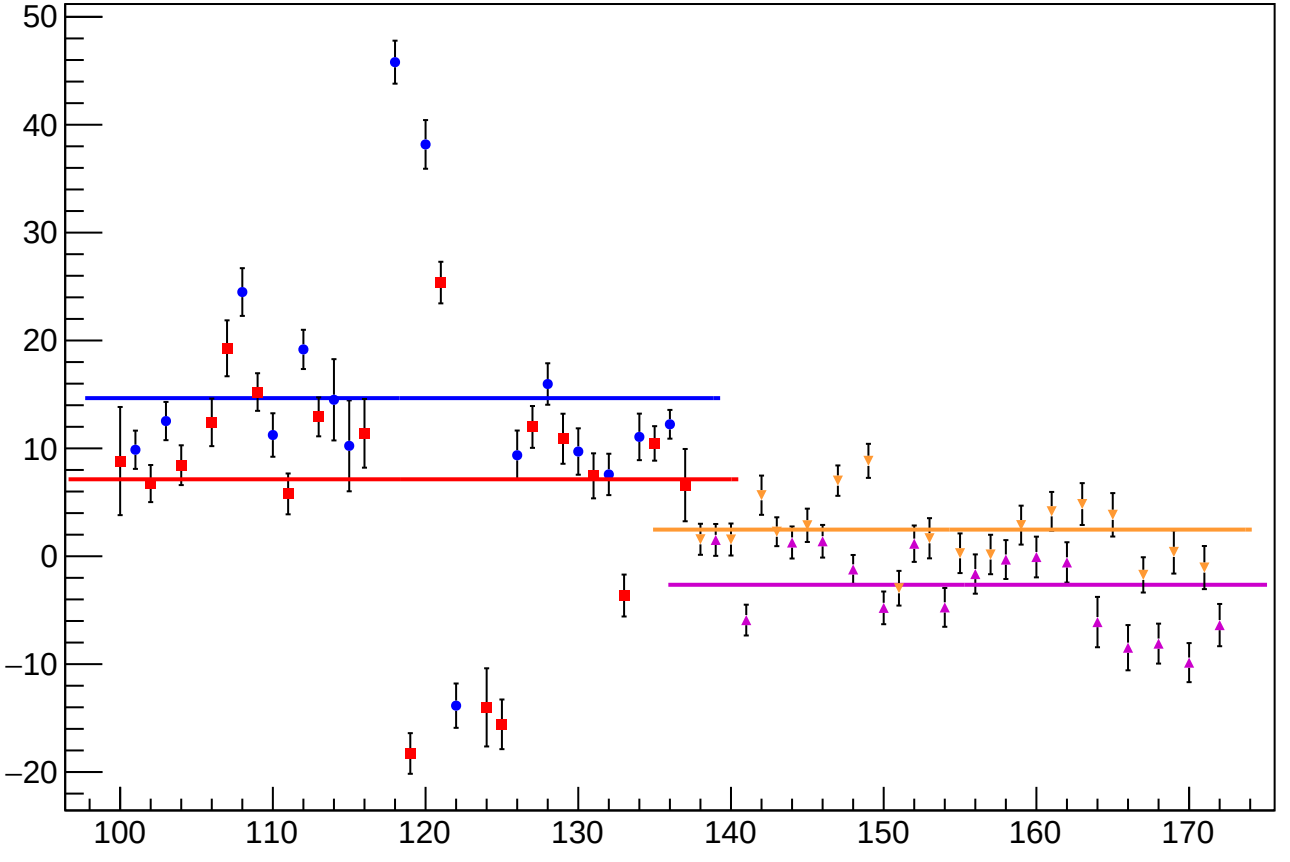
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1642.176+/-0.258 χ^2/NDF:1185594.8/32

Out: 1622.346+/-0.252 χ^2/NDF:1299110.9/36

All: 1632.025+/-0.180 χ^2/NDF: 2487727.1/69

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.471+/-0.395 χ^2/NDF:58.9/17

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: 0.009+/-0.285 χ^2/NDF: 219.4/34

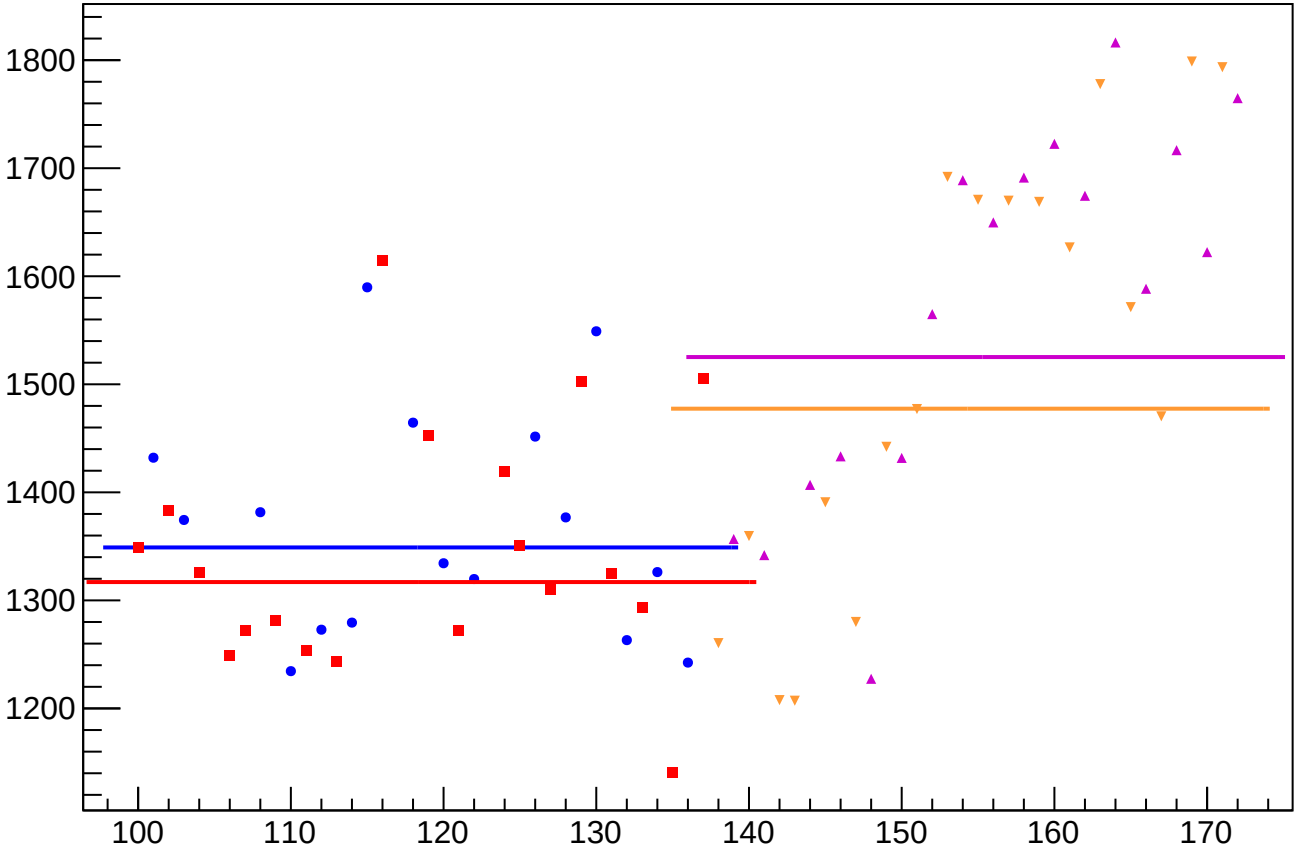
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 4.247+/-0.318 χ^2/NDF:1402.5/32

Out: 4.342+/-0.306 χ^2/NDF:624.1/36

All: 4.296+/-0.221 χ^2/NDF: 2026.6/69

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1477.427+/-0.280 χ^2/NDF:491144.3/17

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: 1500.428+/-0.201 χ^2/NDF: 859185.3/34

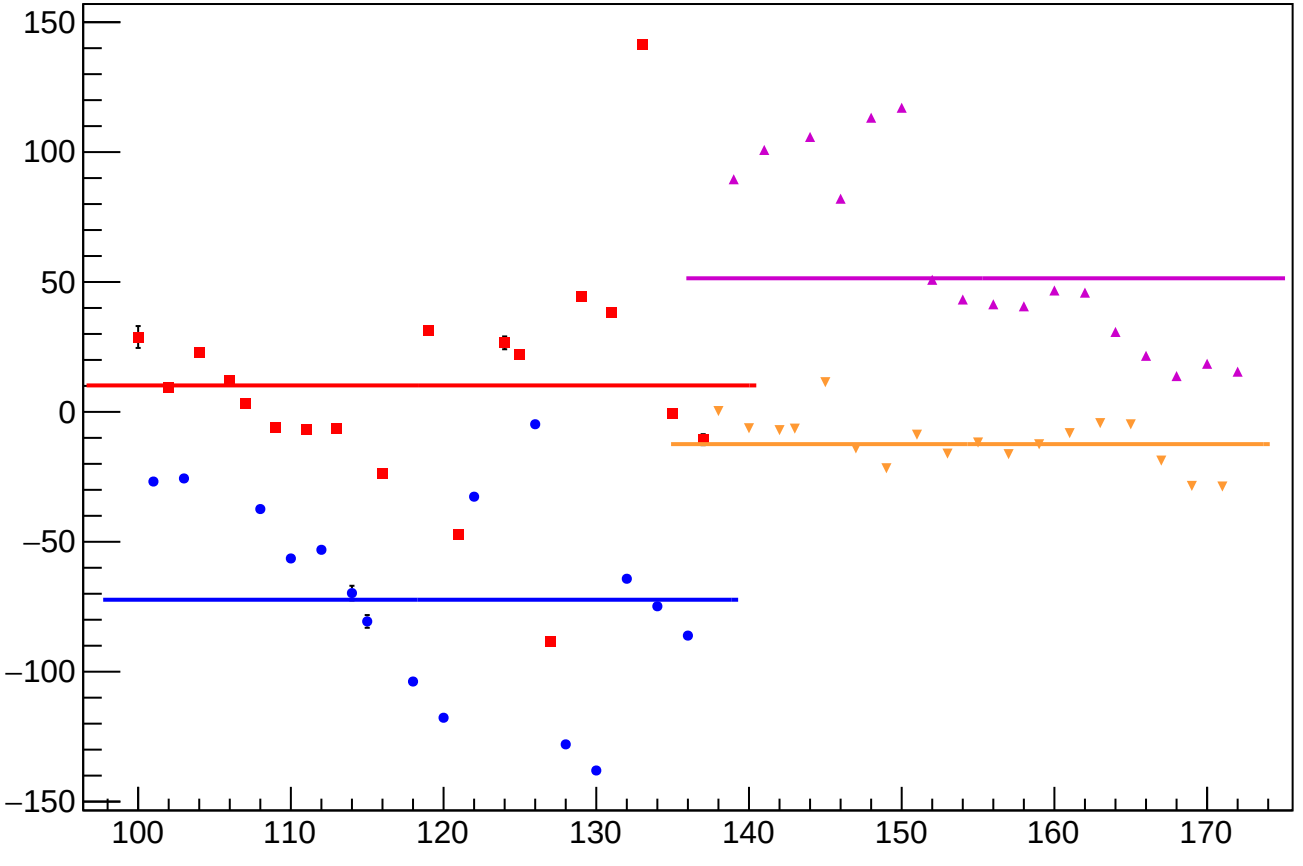
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1455.029+/-0.225 χ^2/NDF:569181.3/32

Out: 1413.064+/-0.216 χ^2/NDF:710128.7/36

All: 1433.215+/-0.156 χ^2/NDF: 1297370.8/69

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -12.406+/-0.220 χ^2/NDF:1933.9/17

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: 19.069+/-0.156 χ^2/NDF: 65517.0/34

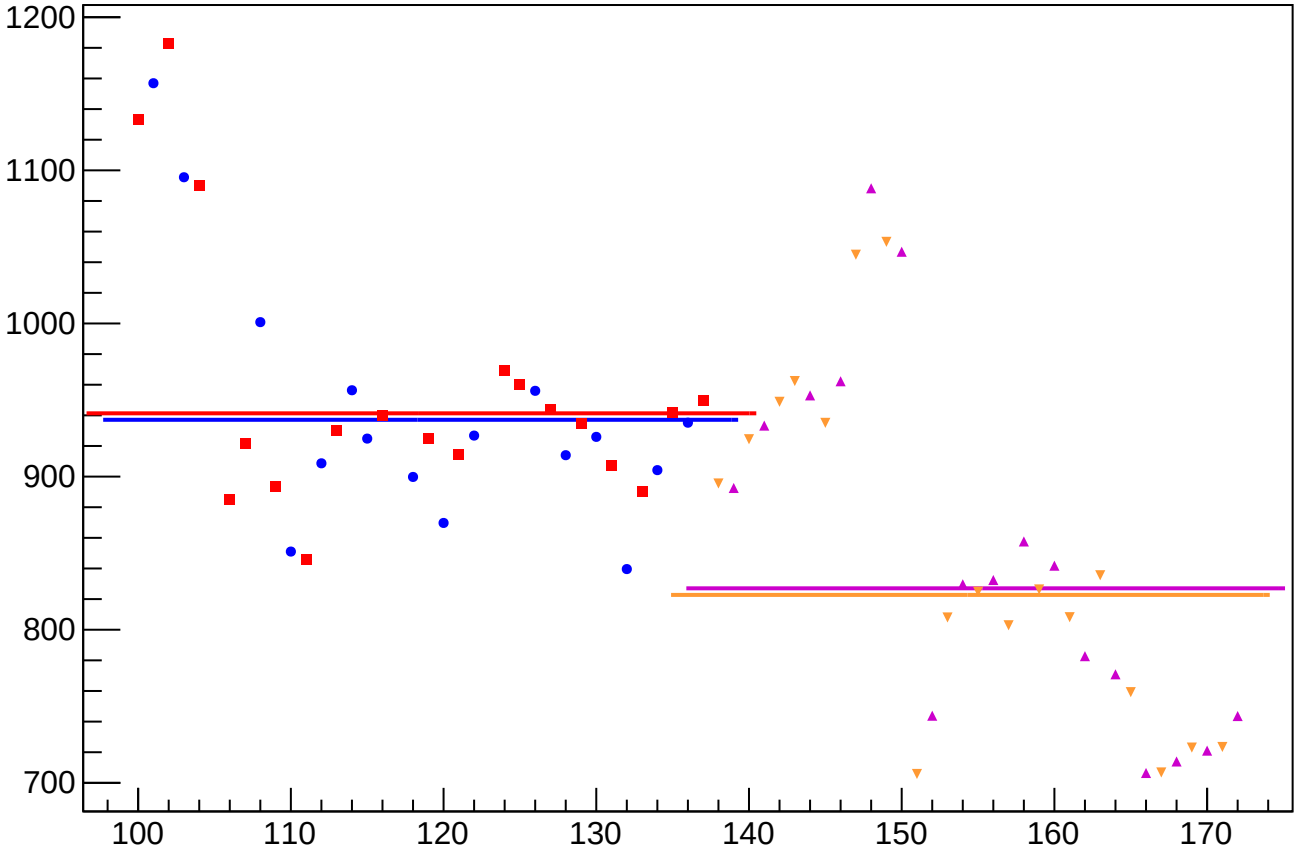
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 15.675+/-0.188 χ^2/NDF:123255.9/32

Out: -5.874+/-0.185 χ^2/NDF:24037.1/36

All: 4.751+/-0.132 χ^2/NDF: 153965.1/69

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 822.740+/-0.155 χ^2/NDF:421314.0/17

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: 824.859+/-0.111 χ^2/NDF: 864933.6/34

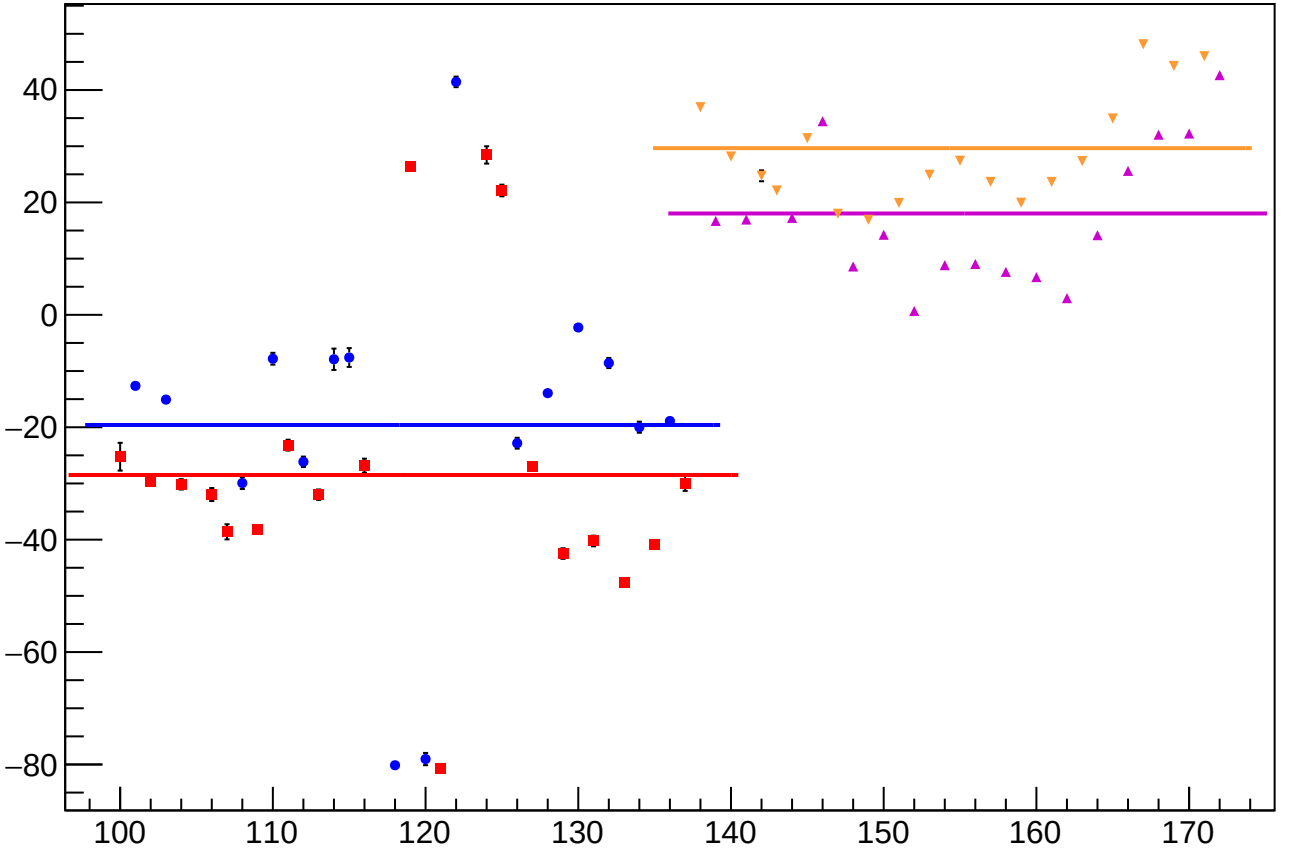
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 858.837+/-0.133 χ^2/NDF:688965.5/32

Out: 857.020+/-0.131 χ^2/NDF:690776.4/36

All: 857.916+/-0.093 χ^2/NDF: 1379836.8/69

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 29.658+/-0.172 χ^2/NDF:3359.6/17

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: 23.949+/-0.123 χ^2/NDF: 10523.7/34

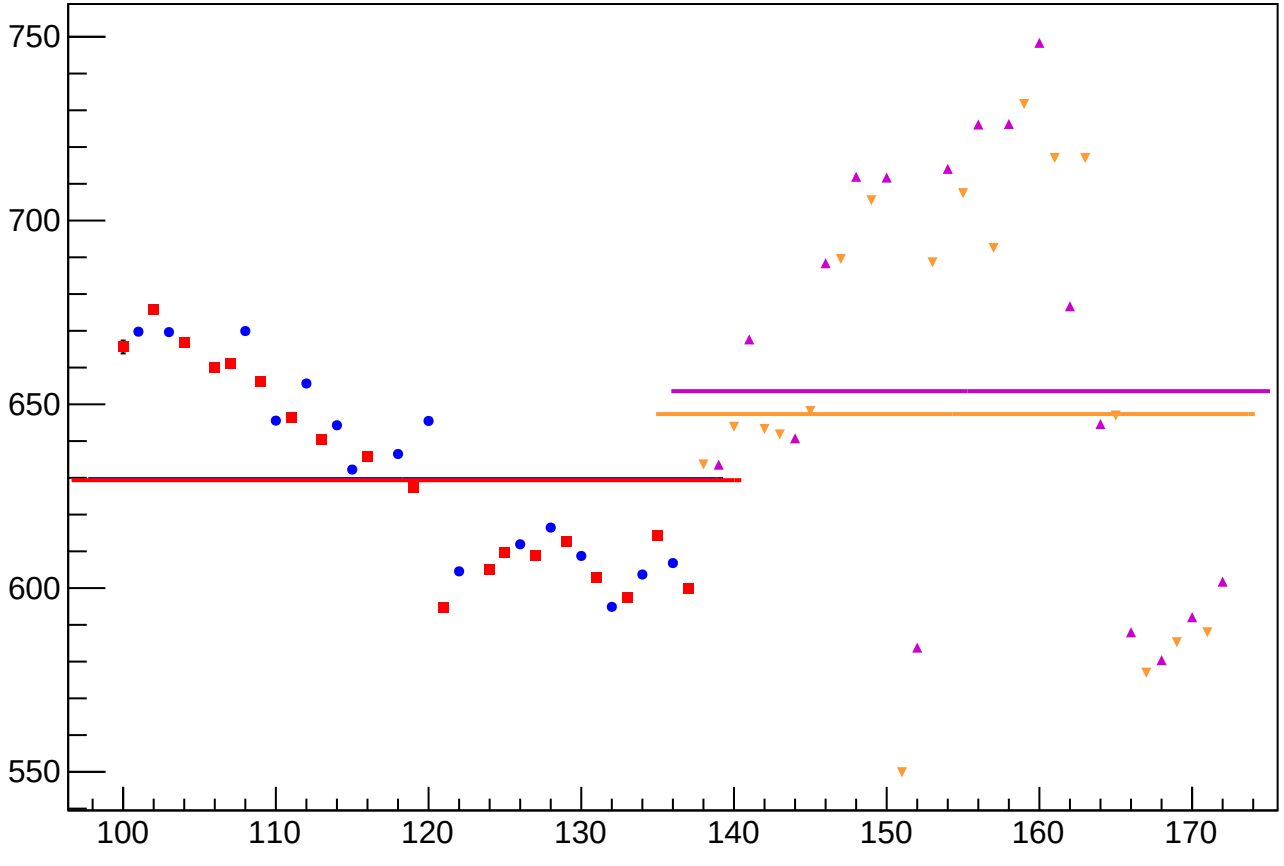
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: 4.503+/-0.140 χ^2/NDF:34655.2/32

Out: 8.714+/-0.138 χ^2/NDF:57352.1/36

All: 6.647+/-0.098 χ^2/NDF: 92465.5/69

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 647.356+/-0.122 χ^2/NDF:209243.8/17

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: 650.415+/-0.087 χ^2/NDF: 412382.2/34

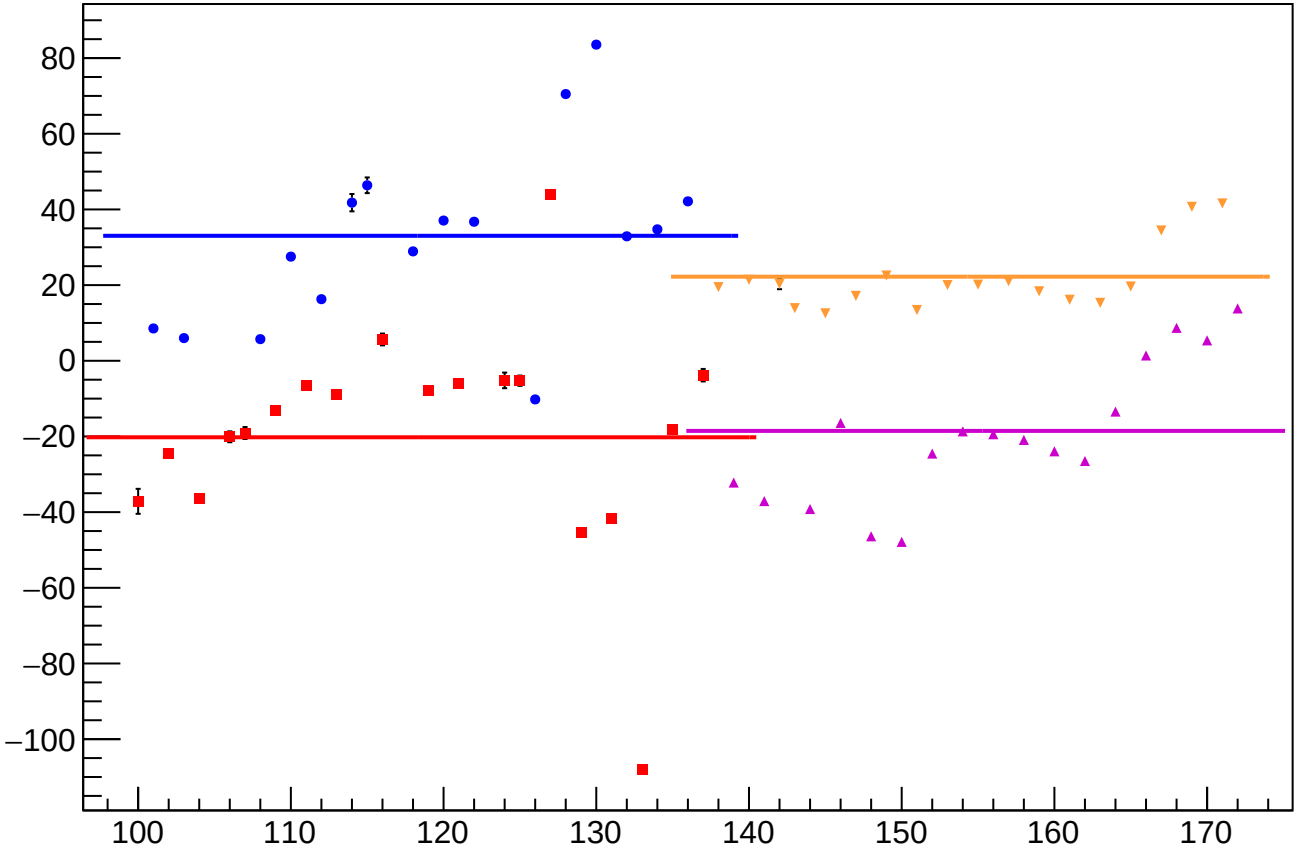
Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 644.982+/-0.099 χ^2/NDF:240552.6/32

Out: 640.875+/-0.097 χ^2/NDF:243890.3/36

All: 642.891+/-0.070 χ^2/NDF: 485314.5/69

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.033+/-0.289 χ^2/NDF: 6700.1/15

Left Out: 22.226+/-0.245 χ^2/NDF:1354.9/17

Right Out: -20.215+/-0.286 χ^2/NDF: 11869.7/18

Left In: -18.529+/-0.248 χ^2/NDF:5371.9/16

Left: 2.066+/-0.174 χ^2/NDF: 20404.9/34

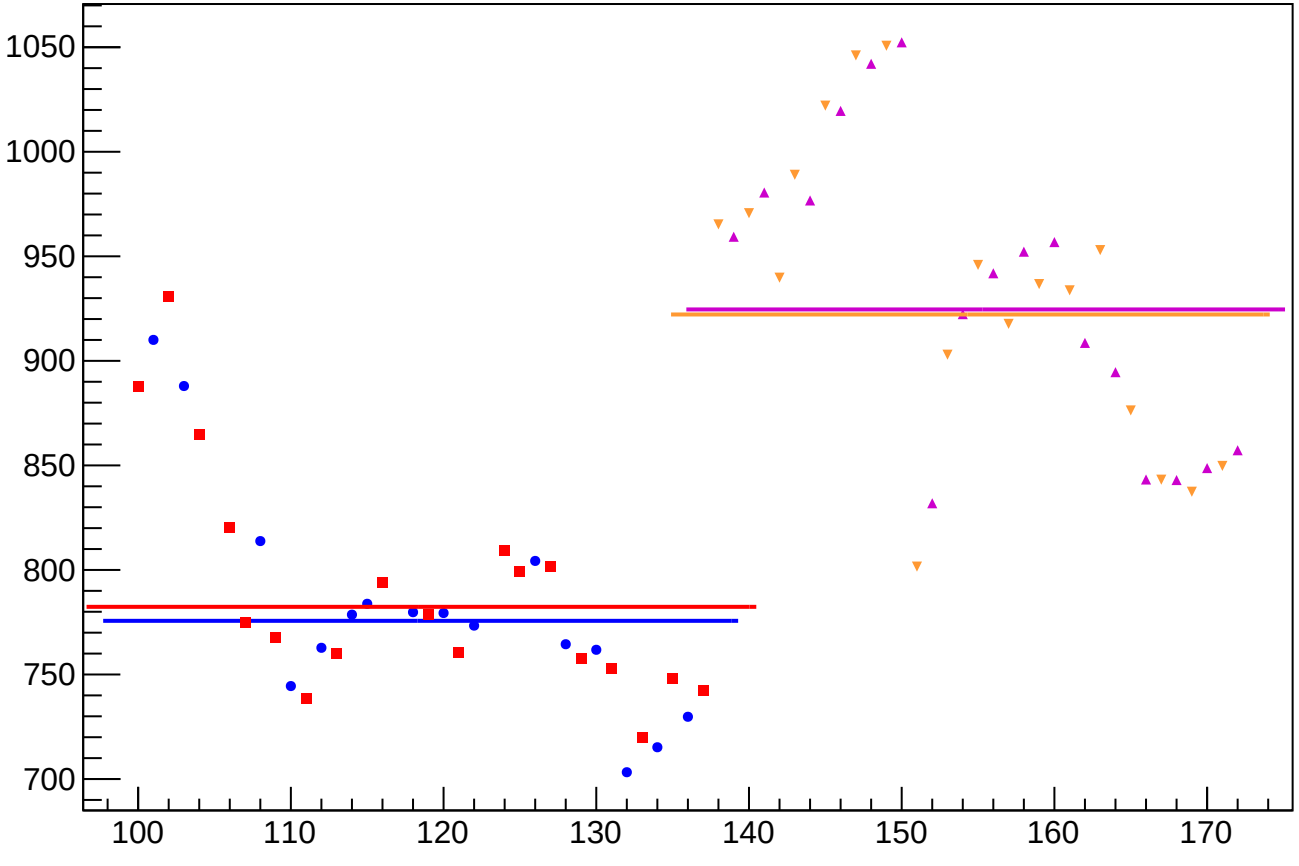
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 3.318+/-0.188 χ^2/NDF:30428.7/32

Out: 4.253+/-0.186 χ^2/NDF:25923.9/36

All: 3.790+/-0.132 χ^2/NDF: 56365.1/69

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 922.182+/-0.173 χ^2/NDF:167149.6/17

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: 923.376+/-0.123 χ^2/NDF: 320721.8/34

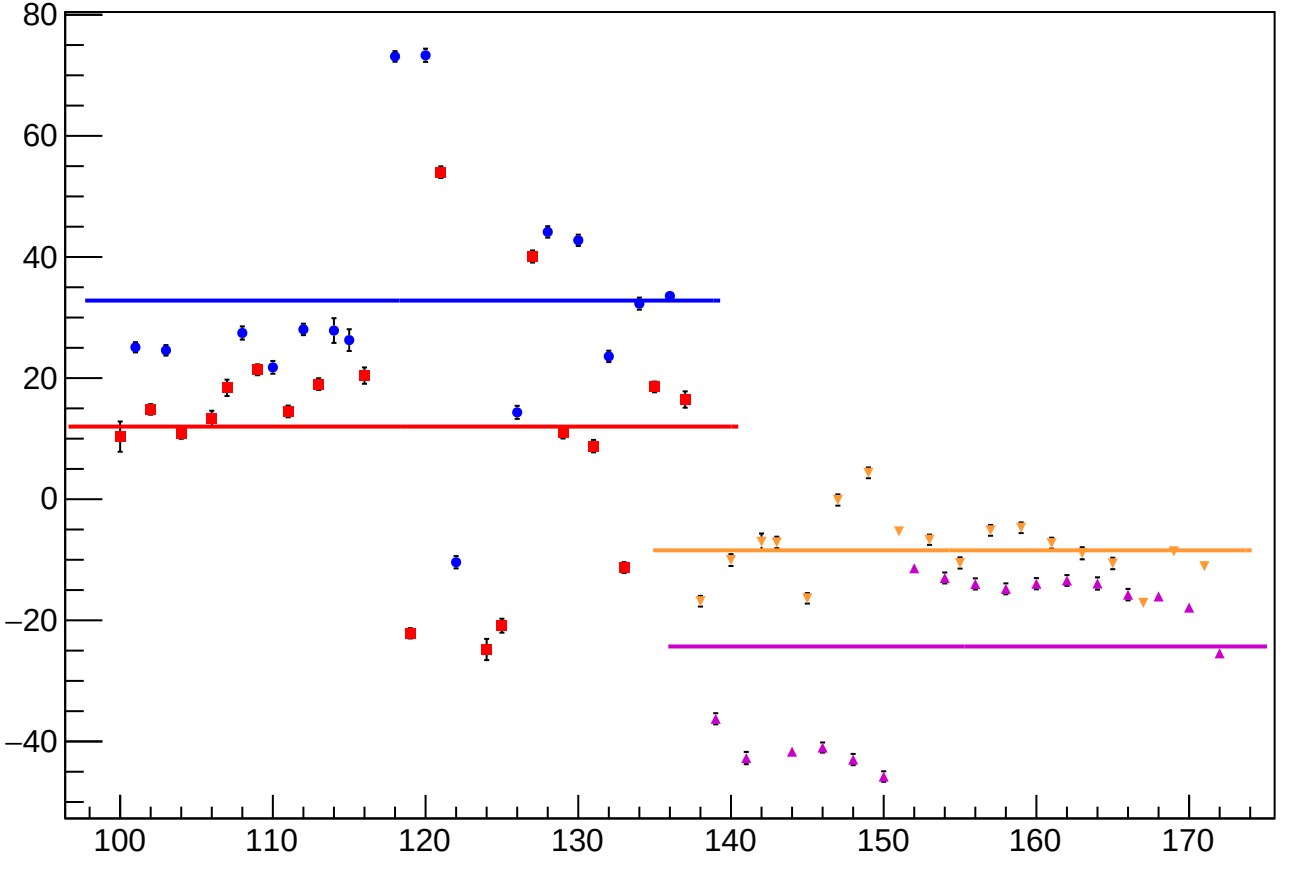
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 861.492+/-0.133 χ^2/NDF:534425.6/32

Out: 862.968+/-0.132 χ^2/NDF:507389.2/36

All: 862.238+/-0.094 χ^2/NDF: 1041877.0/69

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -8.440+/-0.208 χ^2/NDF:668.2/17

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: -16.277+/-0.148 χ^2/NDF: 7292.5/34

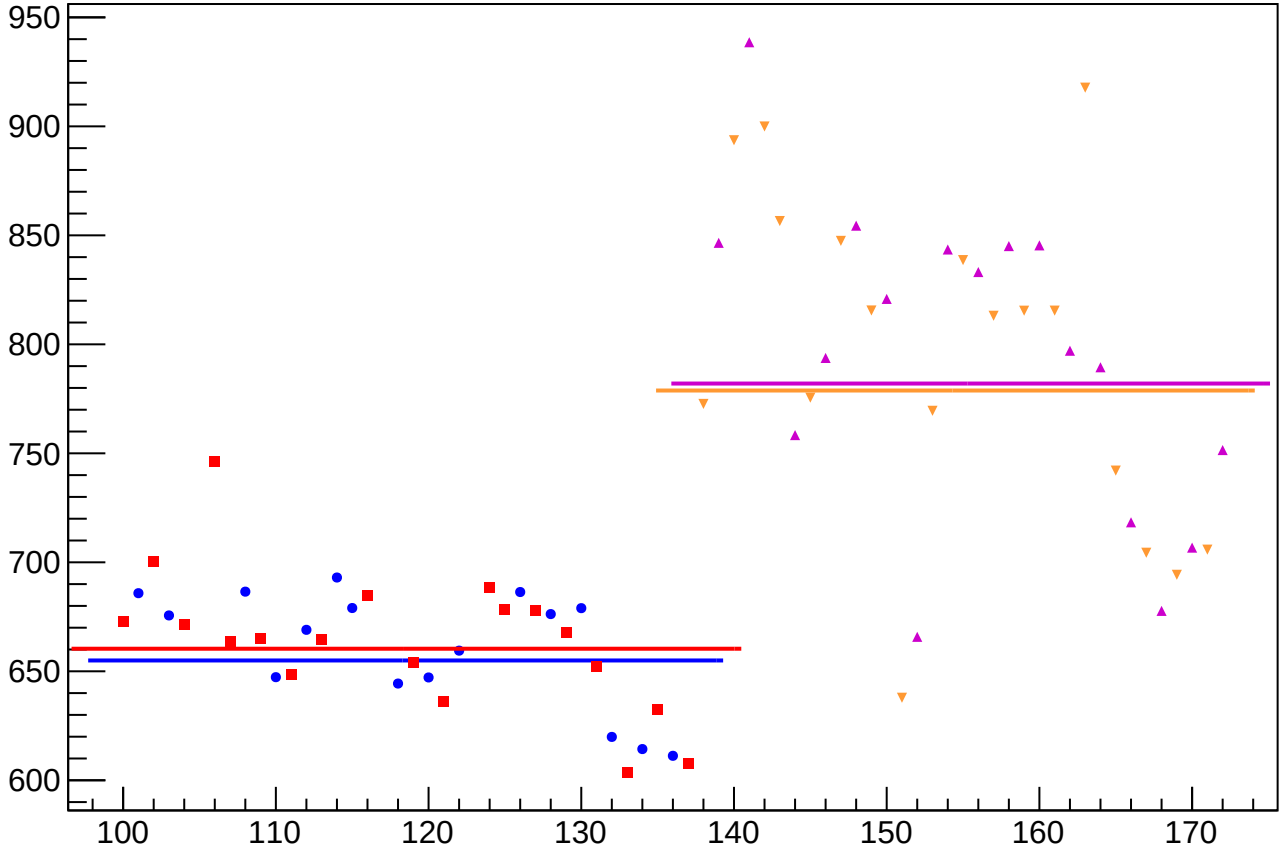
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 0.102+/-0.159 χ^2/NDF:41500.6/32

Out: 0.266+/-0.157 χ^2/NDF:11349.6/36

All: 0.185+/-0.112 χ^2/NDF: 52850.8/69

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 778.815+/-0.147 χ^2/NDF:272900.3/17

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: 780.393+/-0.105 χ^2/NDF: 506442.7/34

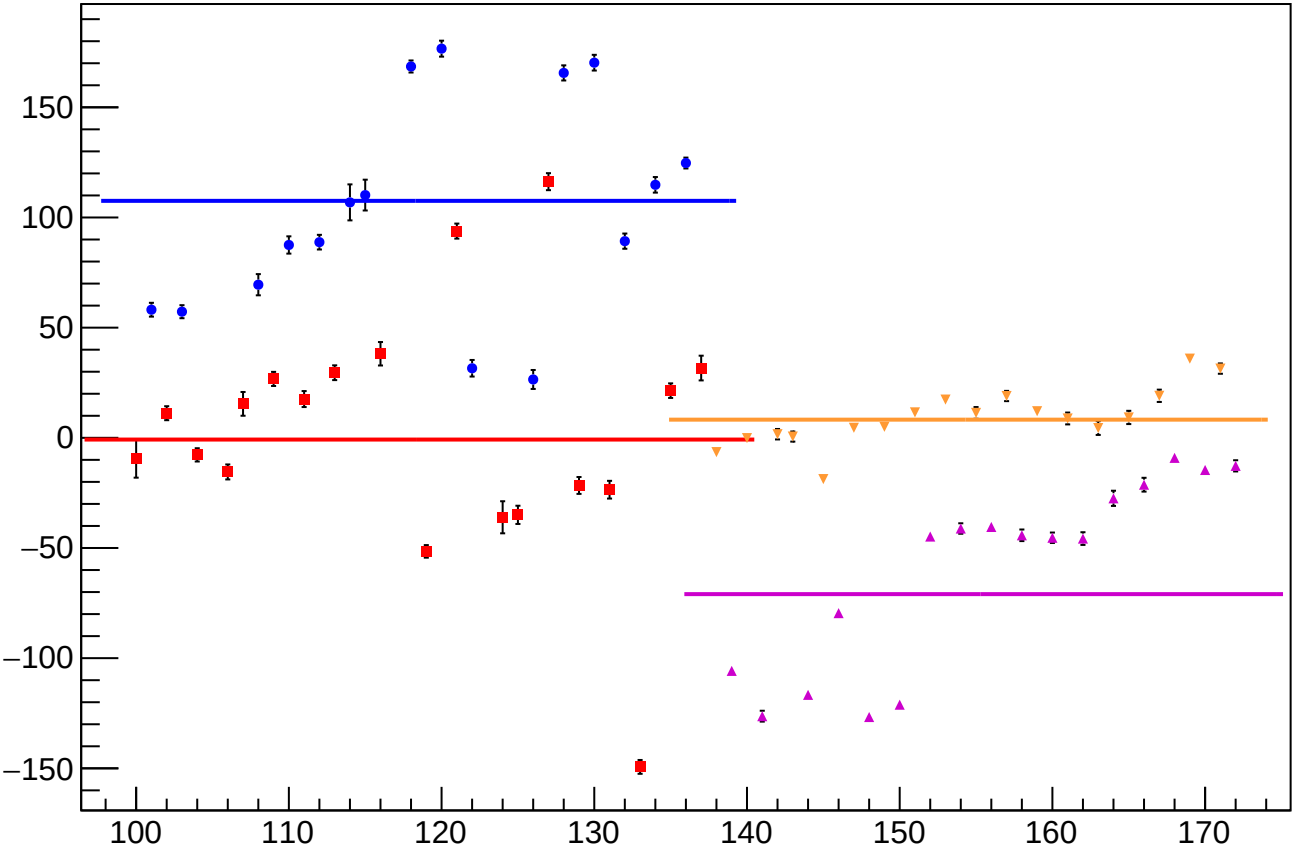
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 727.701+/-0.113 χ^2/NDF:571684.4/32

Out: 728.342+/-0.111 χ^2/NDF:580358.6/36

All: 728.026+/-0.079 χ^2/NDF: 1152059.4/69

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 8.246+/-0.527 χ^2/NDF:579.1/17

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: -31.019+/-0.374 χ^2/NDF: 18184.6/34

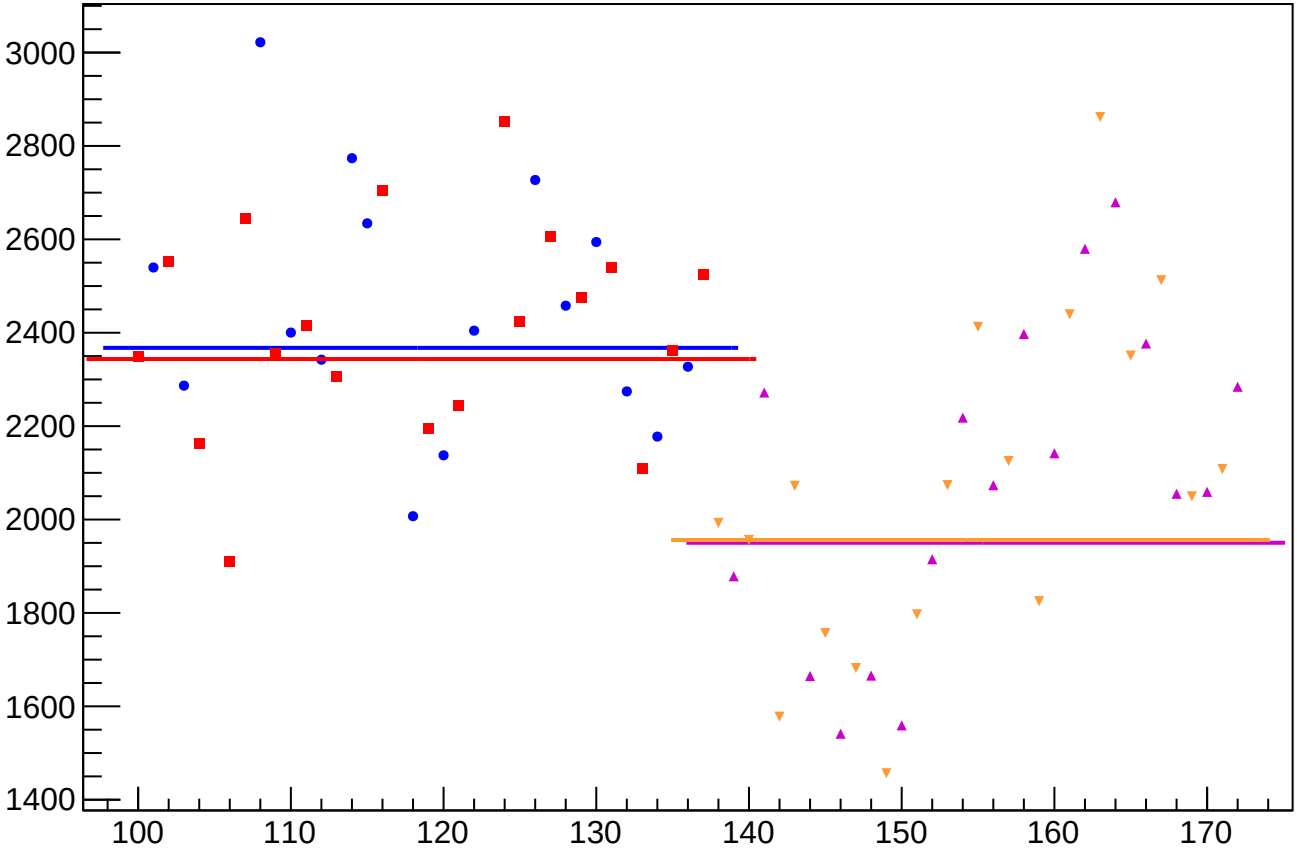
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -23.630+/-0.456 χ^2/NDF:39250.0/32

Out: 5.781+/-0.450 χ^2/NDF:5423.1/36

All: -8.724+/-0.320 χ^2/NDF: 46783.2/69

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2367.633+/-0.626 χ^2/NDF: 126764.1/15

Left Out: 1956.185+/-0.373 χ^2/NDF:770071.0/17

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: 1953.263+/-0.265 χ^2/NDF: 1513053.4/34

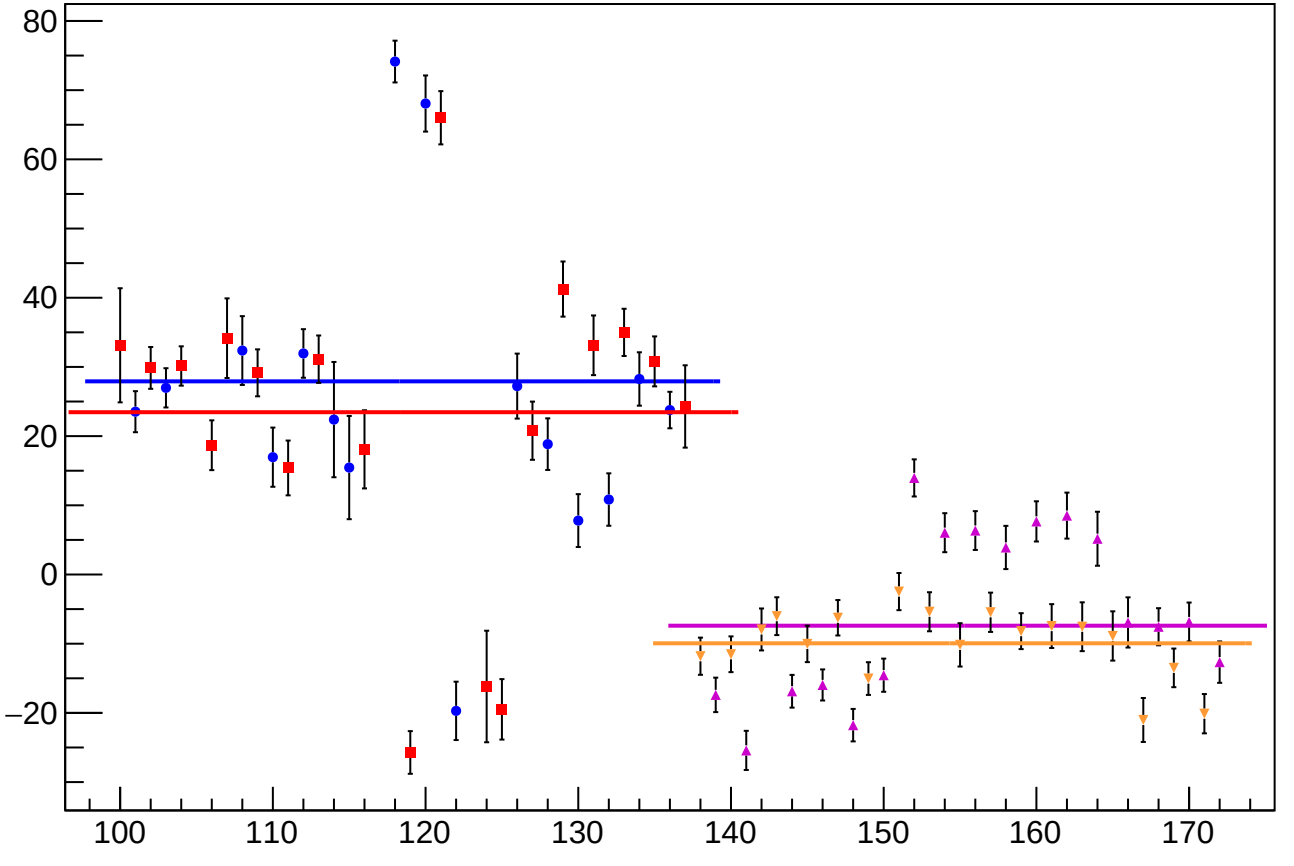
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2060.911+/-0.322 χ^2/NDF:1196246.2/32

Out: 2061.918+/-0.318 χ^2/NDF:1177071.1/36

All: 2061.421+/-0.226 χ^2/NDF: 2373322.3/69

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -9.943+/-0.666 χ^2/NDF:51.2/17

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: -8.674+/-0.472 χ^2/NDF: 378.8/34

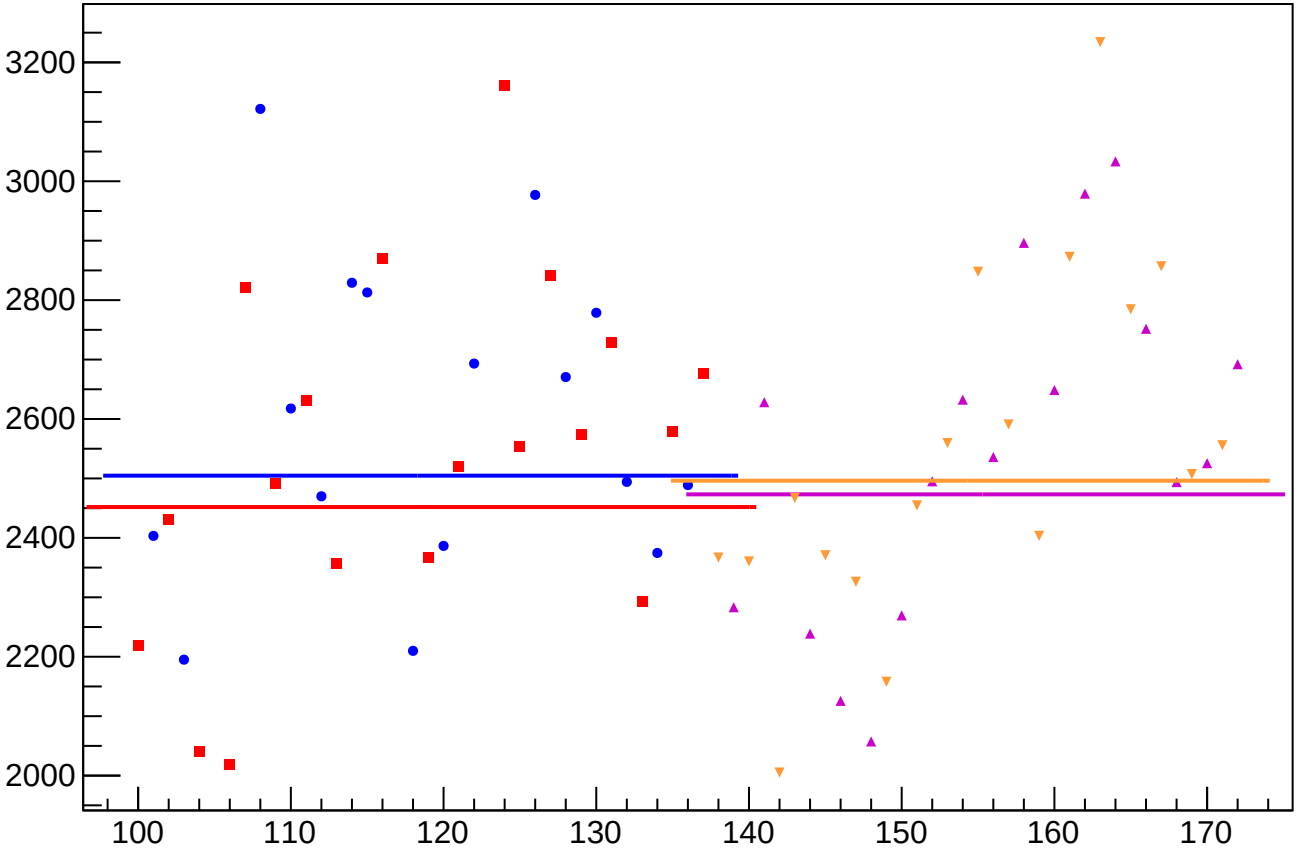
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 4.506+/-0.544 χ^2/NDF:1793.1/32

Out: 1.827+/-0.536 χ^2/NDF:1505.8/36

All: 3.146+/-0.382 χ^2/NDF: 3311.3/69

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2496.193+/-0.471 χ^2/NDF:304161.0/17

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2473.218+/-0.472 χ^2/NDF:324764.9/16

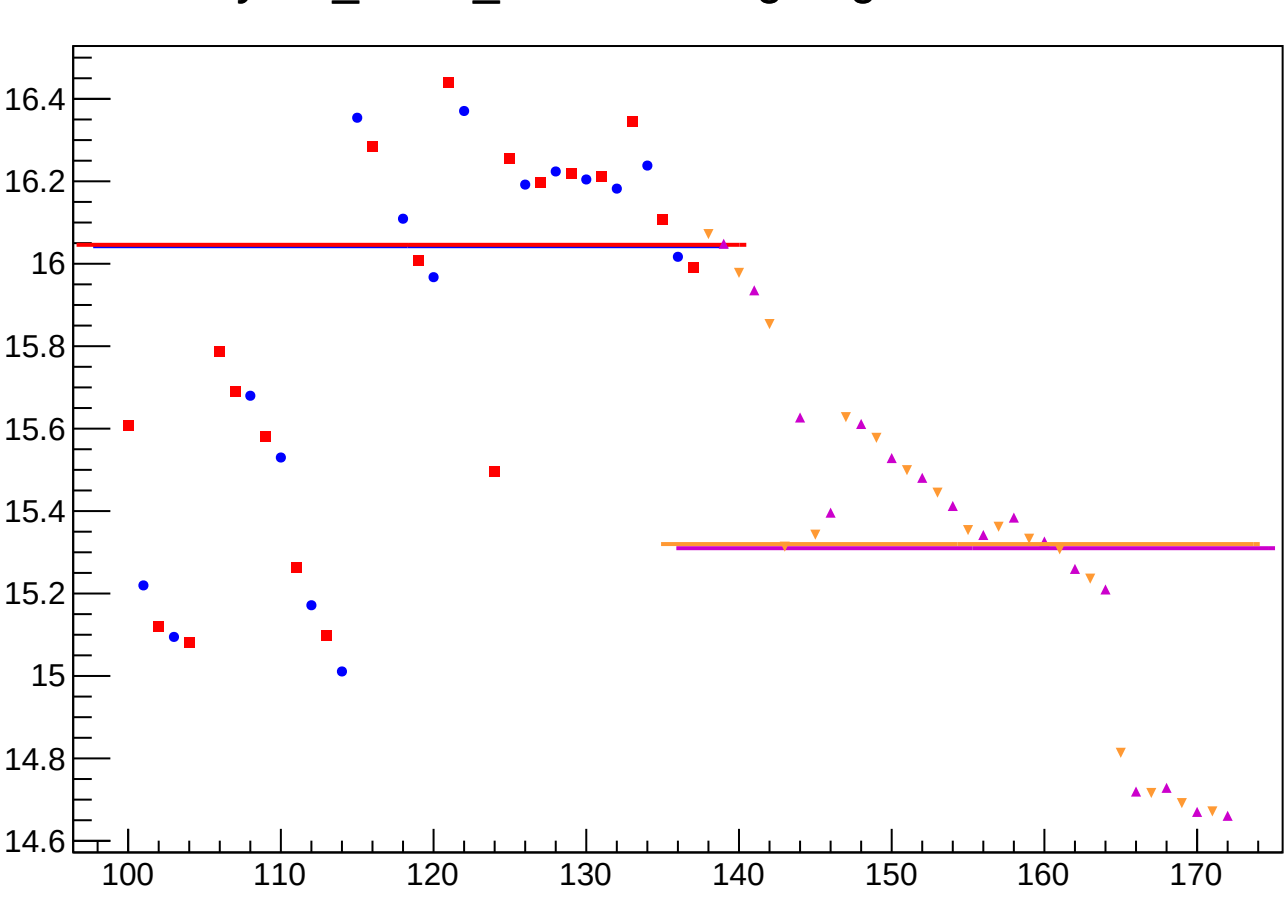
Left: 2484.743+/-0.333 χ^2/NDF: 630112.7/34

Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

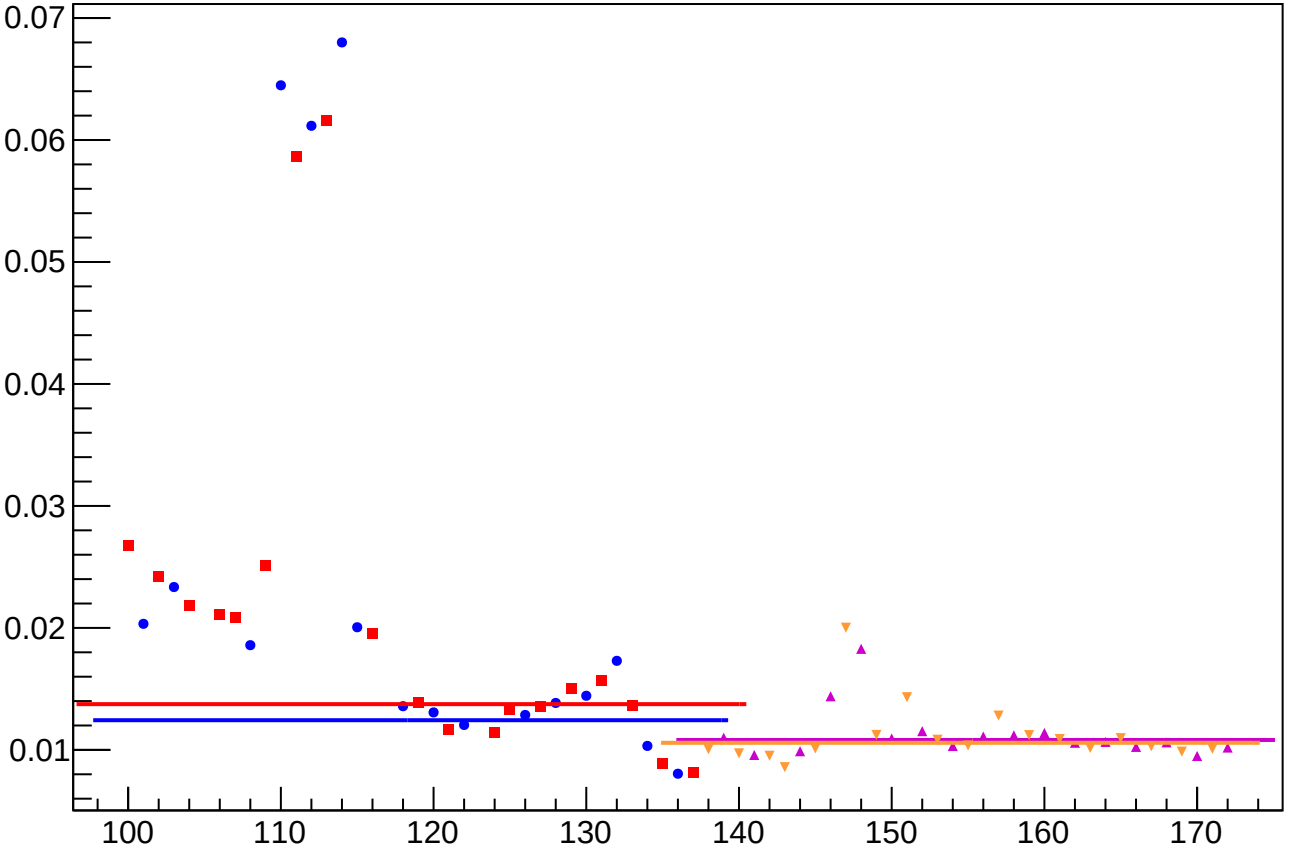
In: 2483.814+/-0.385 χ^2/NDF:452857.0/32

Out: 2480.577+/-0.379 χ^2/NDF:460519.9/36

All: 2482.172+/-0.270 χ^2/NDF: 913412.9/69


yield_sam1_mean vs Slug, Sign Corrected
16.4
16.2
16
15.8
15.6
15.4
15.2
15
14.8
14.6
100
110
120
130
140
150
160
170
Right In: 16.043+/-0.000 χ²/NDF: 2840540588.4/15
Left Out: 15.320+/-0.000 χ²/NDF:20388953341.1/17
Right Out: 16.046+/-0.000 χ²/NDF: 3552158387.5/18
Left In: 15.310+/-0.000 χ²/NDF:20063414229.0/16
Left: 15.315+/-0.000 χ²/NDF: 40458182039.3/34
Right: 16.044+/-0.000 χ²/NDF: 6392885915.7/34
In: 15.487+/-0.000 χ²/NDF:37407968792.5/32
Out: 15.467+/-0.000 χ²/NDF:36586526833.7/36
All: 15.477+/-0.000 χ²/NDF: 74023254191.8

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:652368.0/17

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:464606.9/16

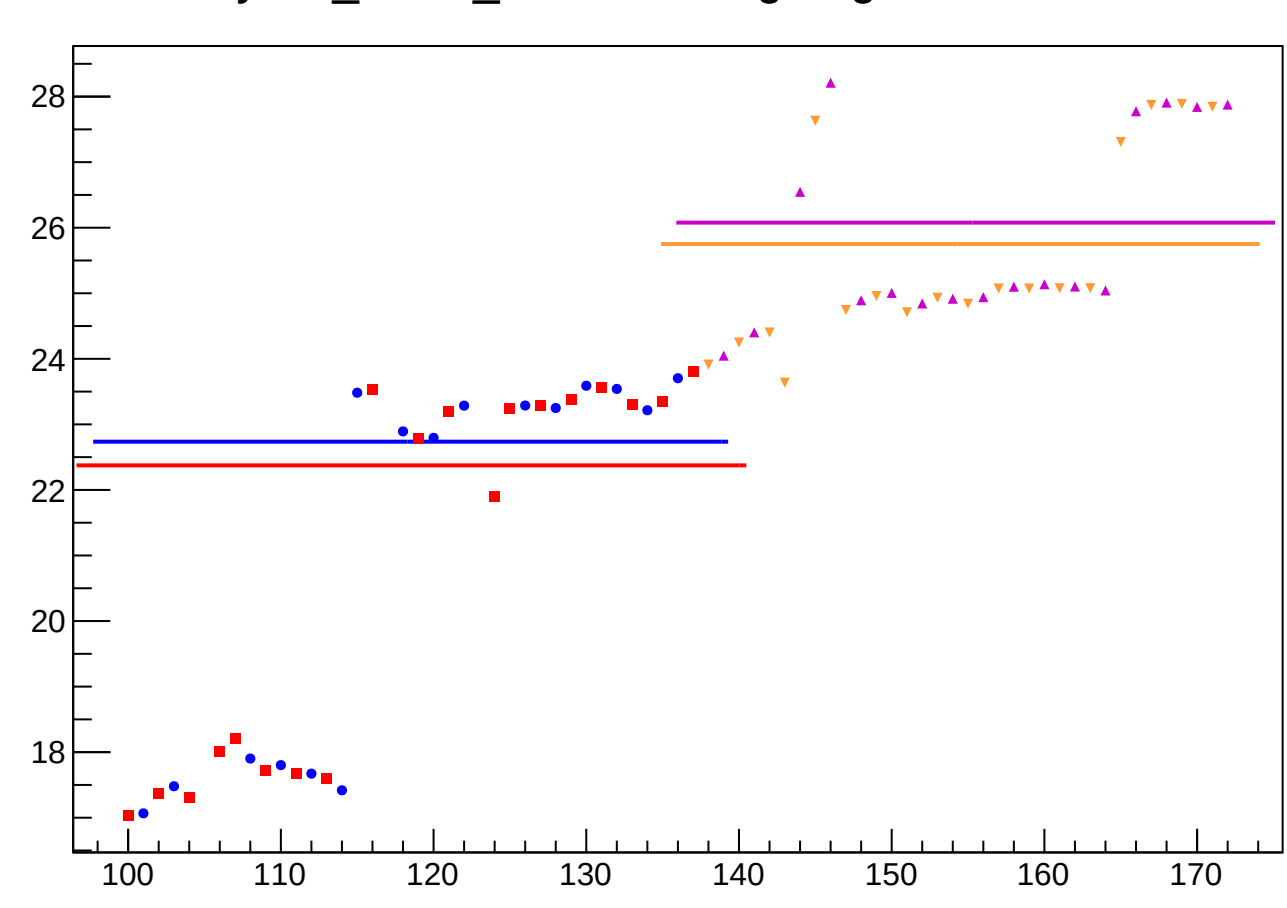
Left: 0.011+/-0.000 χ^2/NDF: 1123176.2/34

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:3364961.7/36

All: 0.011+/-0.000 χ^2/NDF: 6288173.2/69



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 25.751+/-0.000 χ^2/NDF:2304591537.9/17

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 26.078+/-0.000 χ^2/NDF:1891251247.9/16

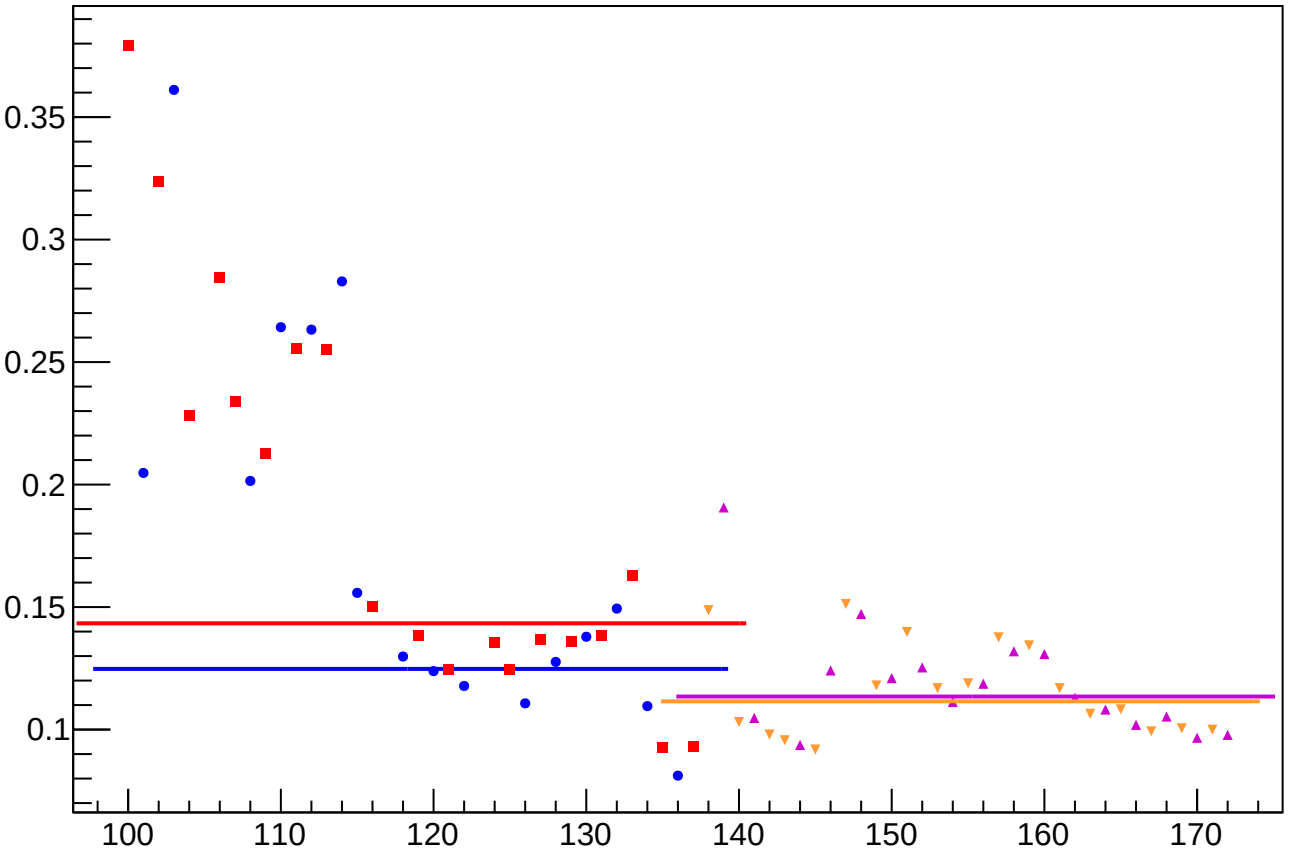
Left: 25.910+/-0.000 χ^2/NDF: 4246852686.8/34

Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 25.176+/-0.000 χ^2/NDF:5913239119.0/32

Out: 24.999+/-0.000 χ^2/NDF:5997038352.4/36

All: 25.088+/-0.000 χ^2/NDF: 11929992434.9



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.112+/-0.000 χ^2/NDF:547997.3/17

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: 1176285.1/34

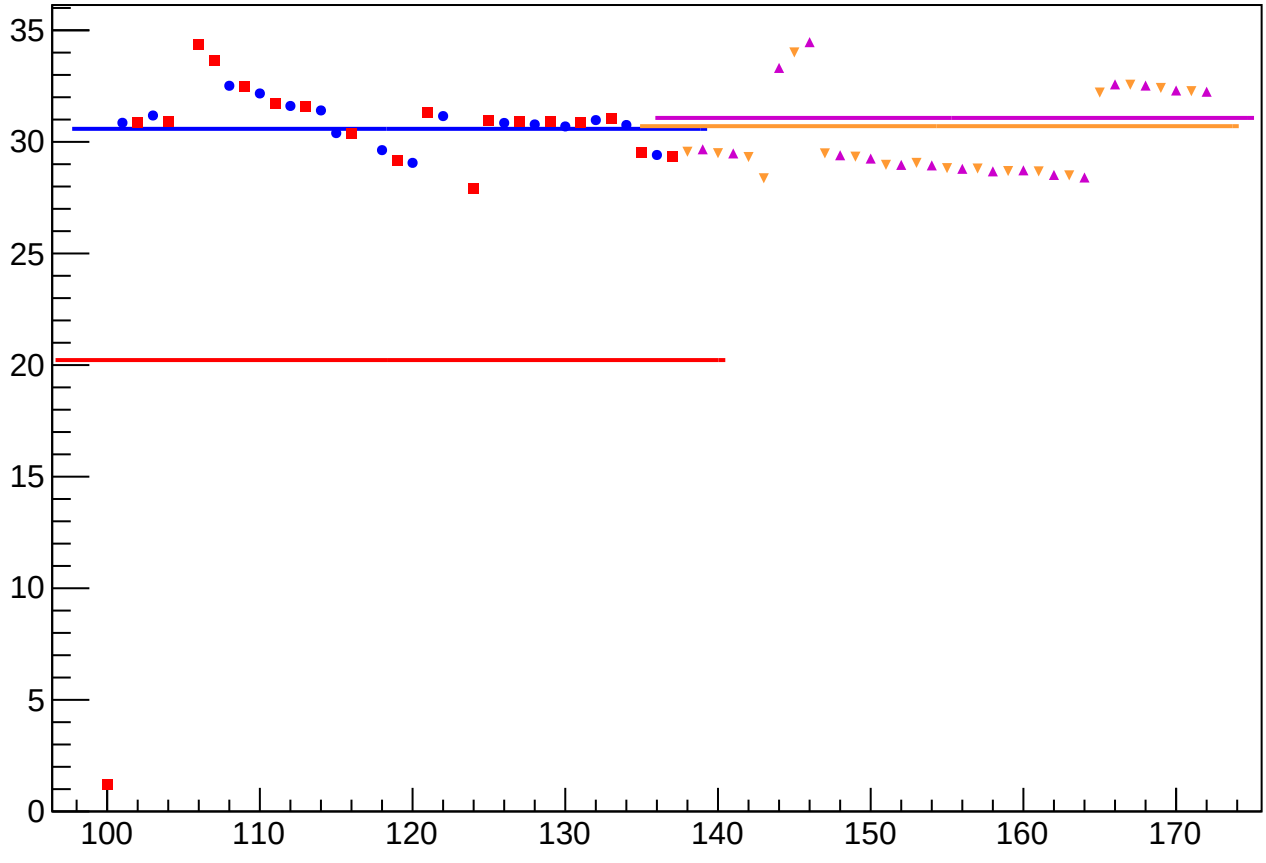
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.117+/-0.000 χ^2/NDF:2438188.9/32

Out: 0.119+/-0.000 χ^2/NDF:2558783.2/36

All: 0.118+/-0.000 χ^2/NDF: 5002442.4/69

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.704+/-0.000 χ^2/NDF:10829750031.8/17

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 31.074+/-0.000 χ^2/NDF:12153881394.1/16

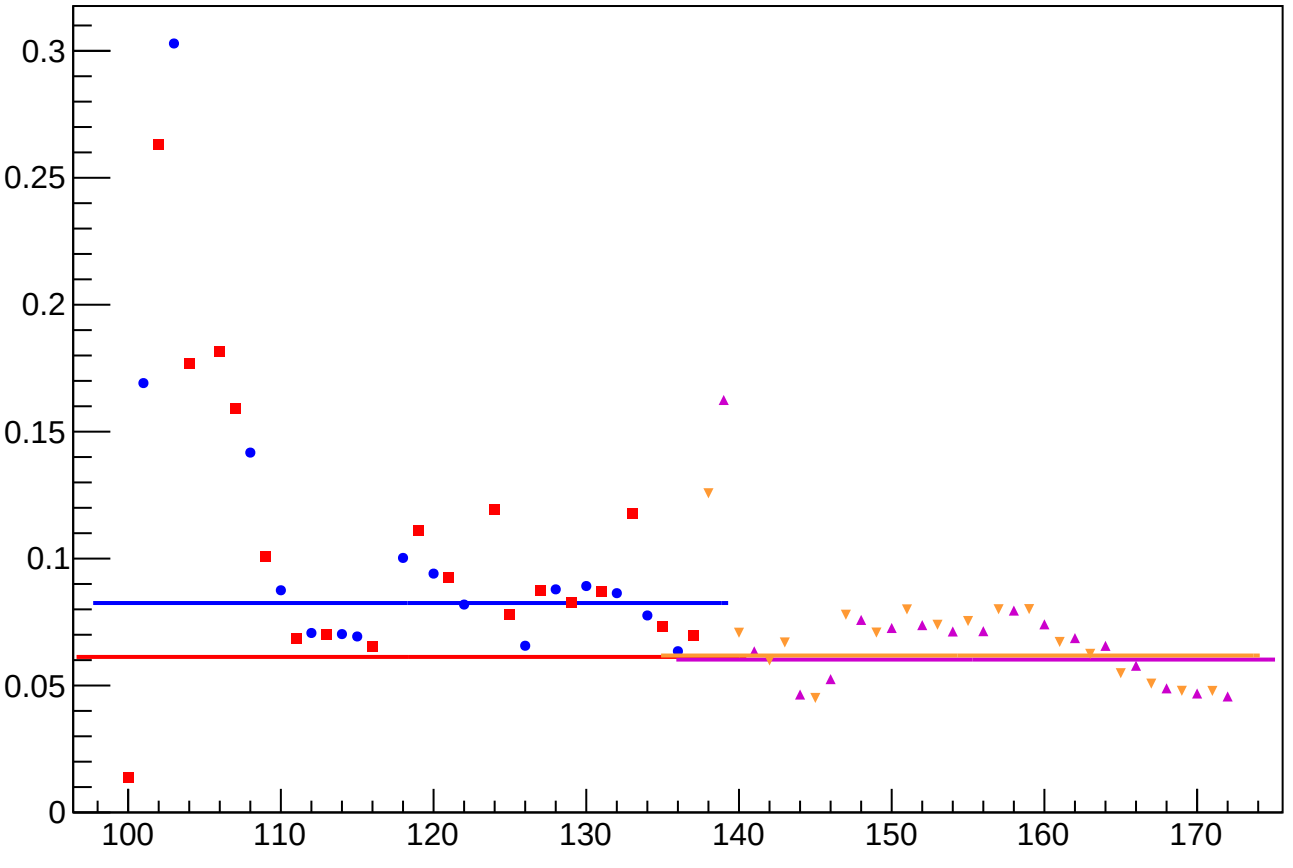
Left: 30.891+/-0.000 χ^2/NDF: 23177945642.0/34

Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 30.970+/-0.000 χ^2/NDF:12952031401.5/32

Out: 27.777+/-0.000 χ^2/NDF:318220104034.0/36

All: 29.322+/-0.000 χ^2/NDF: 350390755540.



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.062+/-0.000 χ^2/NDF:1212276.9/17

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: 0.061+/-0.000 χ^2/NDF: 2698201.5/34

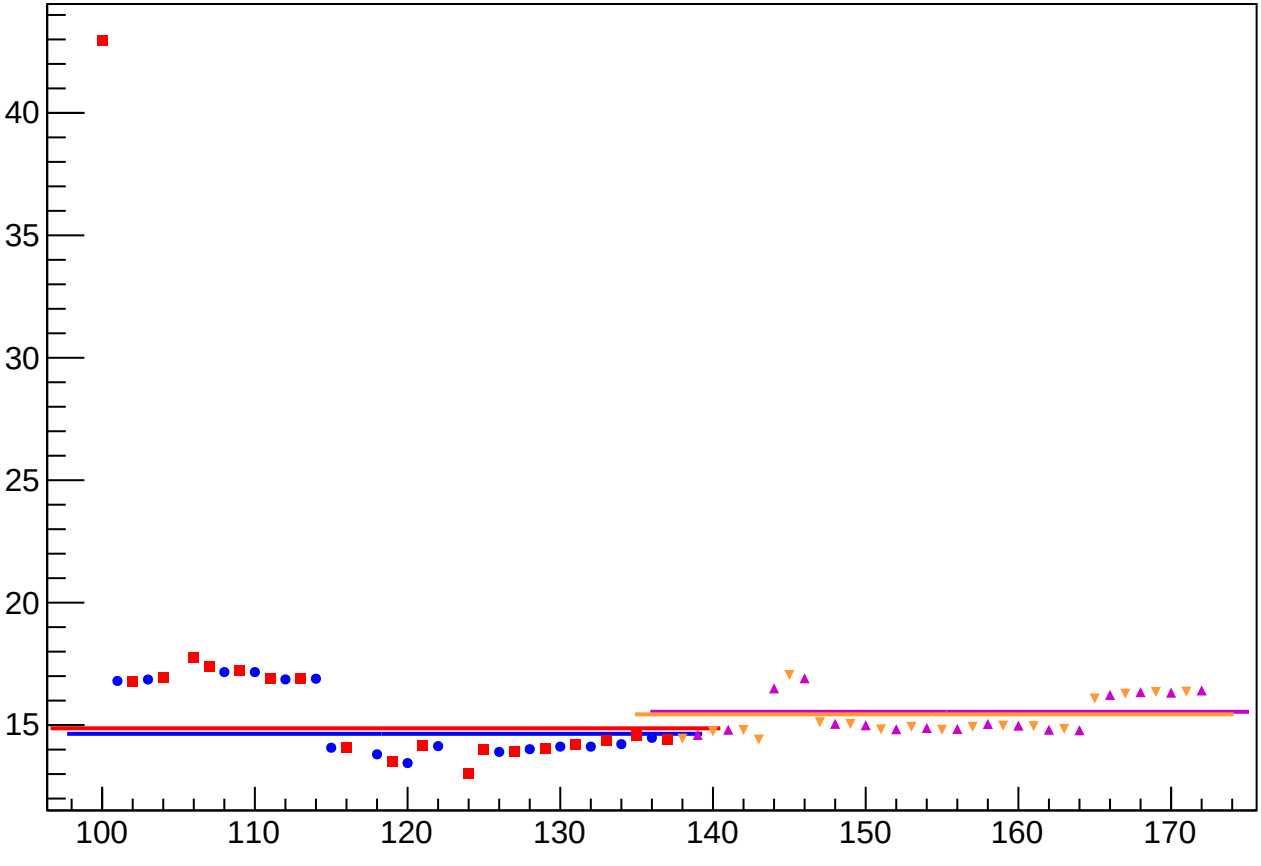
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.065+/-0.000 χ^2/NDF:3345517.2/32

Out: 0.062+/-0.000 χ^2/NDF:5227064.3/36

All: 0.063+/-0.000 χ^2/NDF: 8613099.0/69

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.439+/-0.000 χ^2/NDF:1840876990.4/17

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: 15.490+/-0.000 χ^2/NDF: 3514558099.1/34

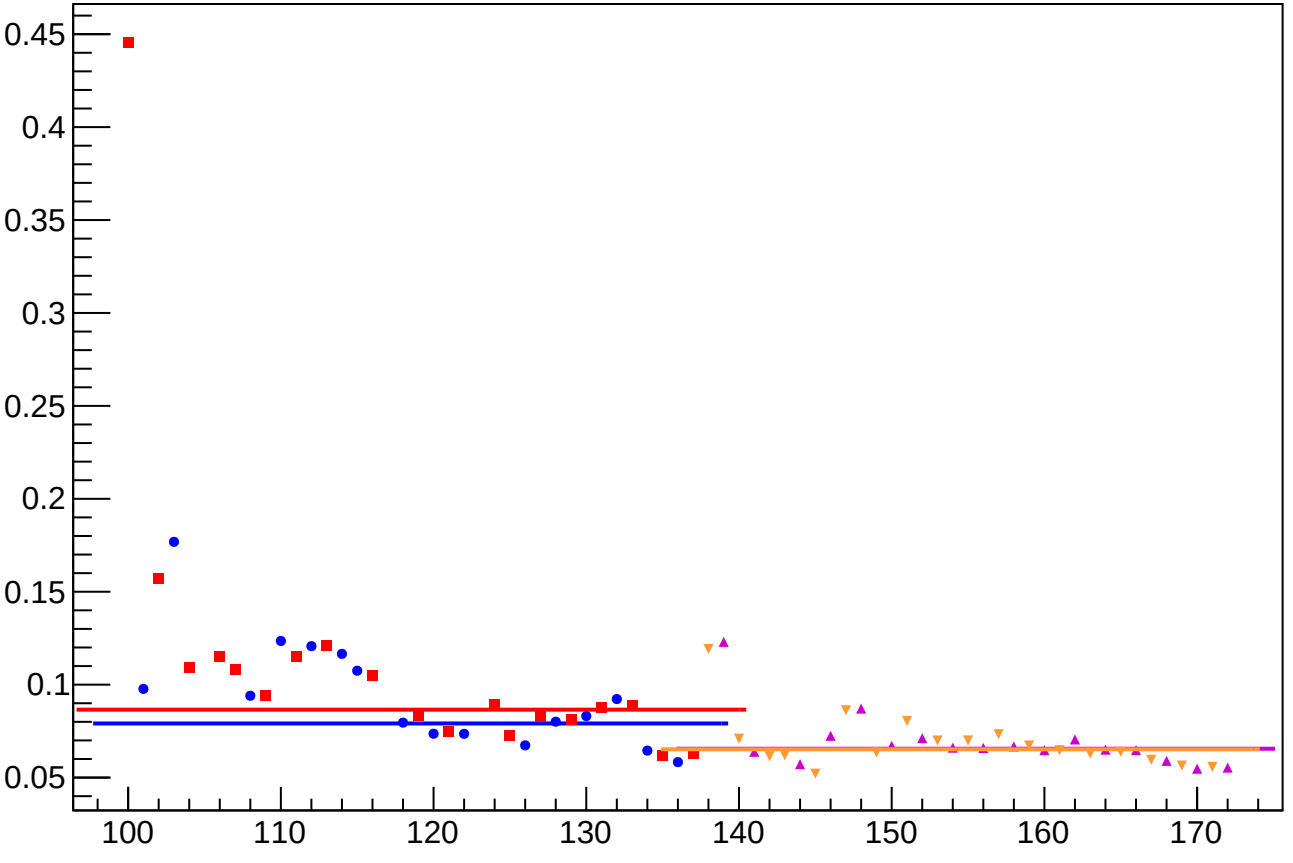
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.314+/-0.000 χ^2/NDF:3416835867.4/32

Out: 15.309+/-0.000 χ^2/NDF:3777425213.5/36

All: 15.312+/-0.000 χ^2/NDF: 7194292327.4/6

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.065+/-0.000 χ^2/NDF:653196.1/17

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: 1285825.6/34

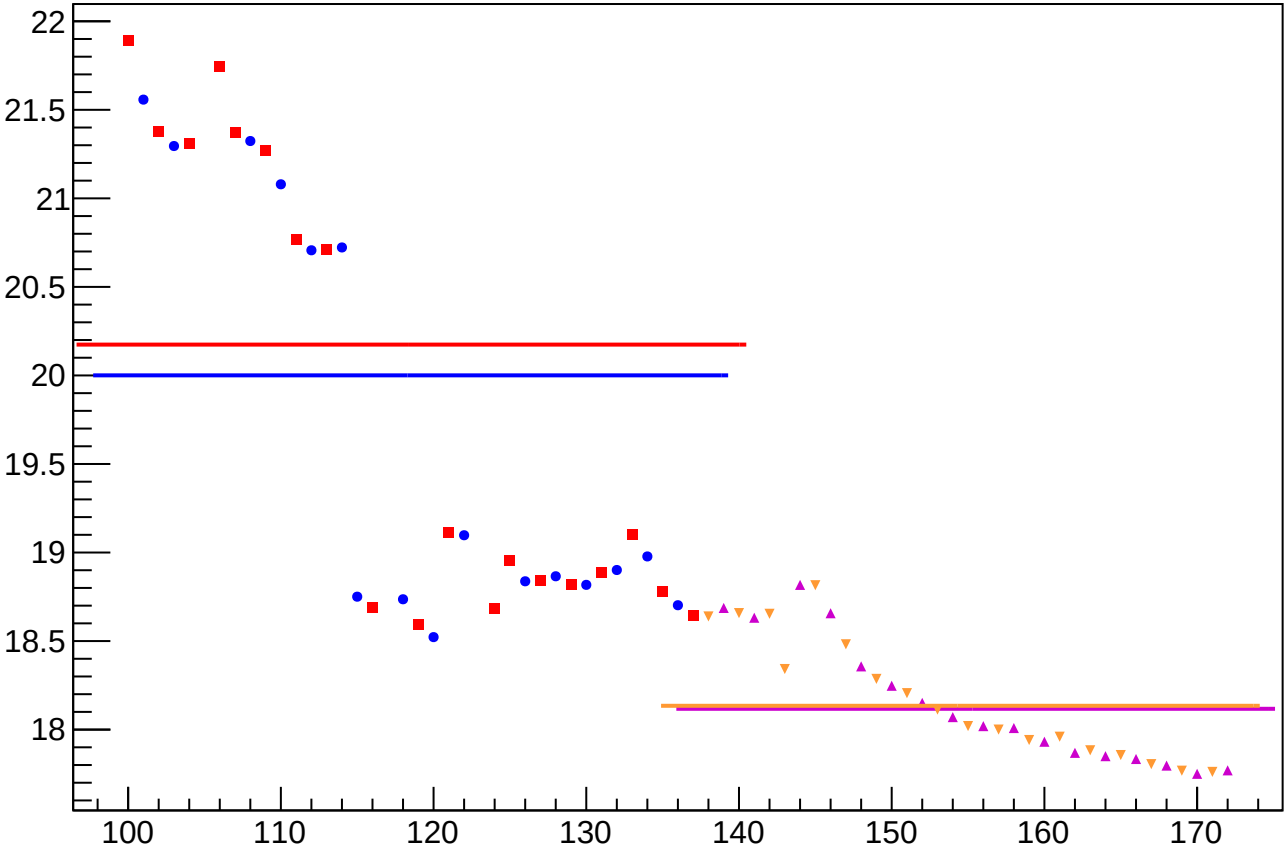
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.069+/-0.000 χ^2/NDF:1809093.3/32

Out: 0.070+/-0.000 χ^2/NDF:2023753.2/36

All: 0.070+/-0.000 χ^2/NDF: 3836891.5/69

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.135+/-0.000 χ^2/NDF:1530032495.9/17

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.117+/-0.000 χ^2/NDF:1611290655.5/16

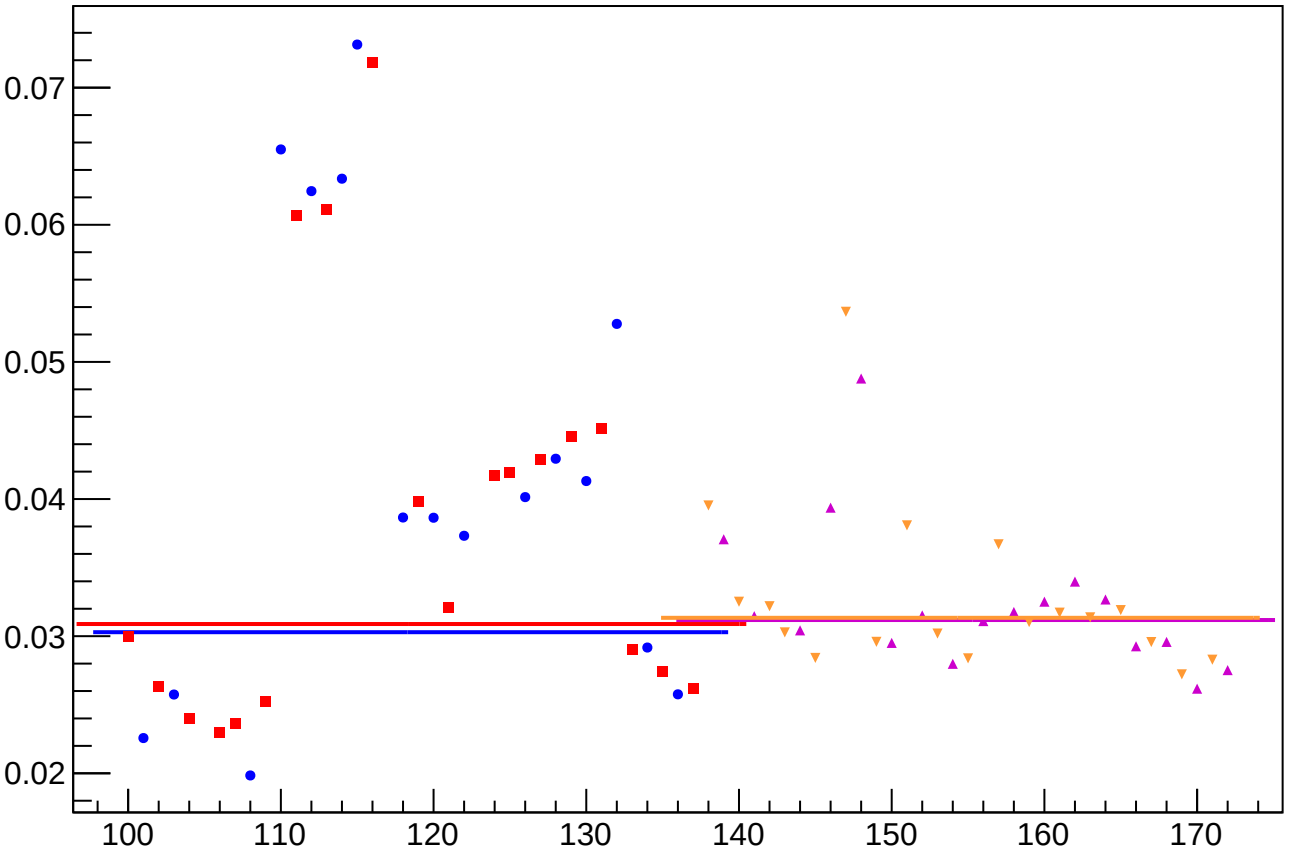
Left: 18.126+/-0.000 χ^2/NDF: 3143297318.5/34

Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 18.727+/-0.000 χ^2/NDF:28077315598.6/32

Out: 18.793+/-0.000 χ^2/NDF:30318806072.7/36

All: 18.760+/-0.000 χ^2/NDF: 58440488401.4



Right In: 0.030+/-0.000 χ^2/NDF: 1447374.9/15

Left Out: 0.031+/-0.000 χ^2/NDF:530369.9/17

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.031+/-0.000 χ^2/NDF:458387.1/16

Left: 0.031+/-0.000 χ^2/NDF: 989111.0/34

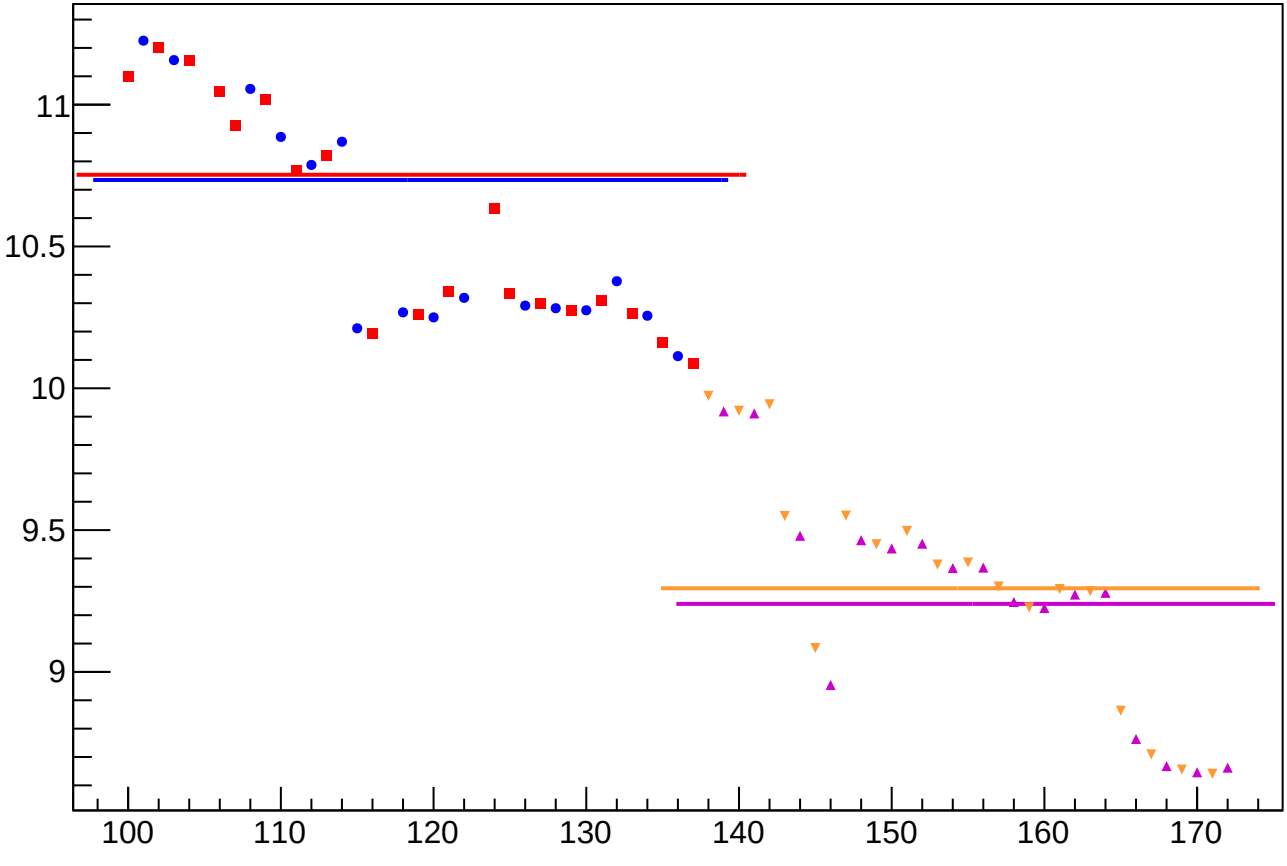
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1912688.7/32

Out: 0.031+/-0.000 χ^2/NDF:1736906.4/36

All: 0.031+/-0.000 χ^2/NDF: 3651435.4/69

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.734+/-0.000 χ^2/NDF: 5879444478.4/15

Left Out: 9.295+/-0.000 χ^2/NDF:5411546994.4/17

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: 9.268+/-0.000 χ^2/NDF: 10130593917.3/34

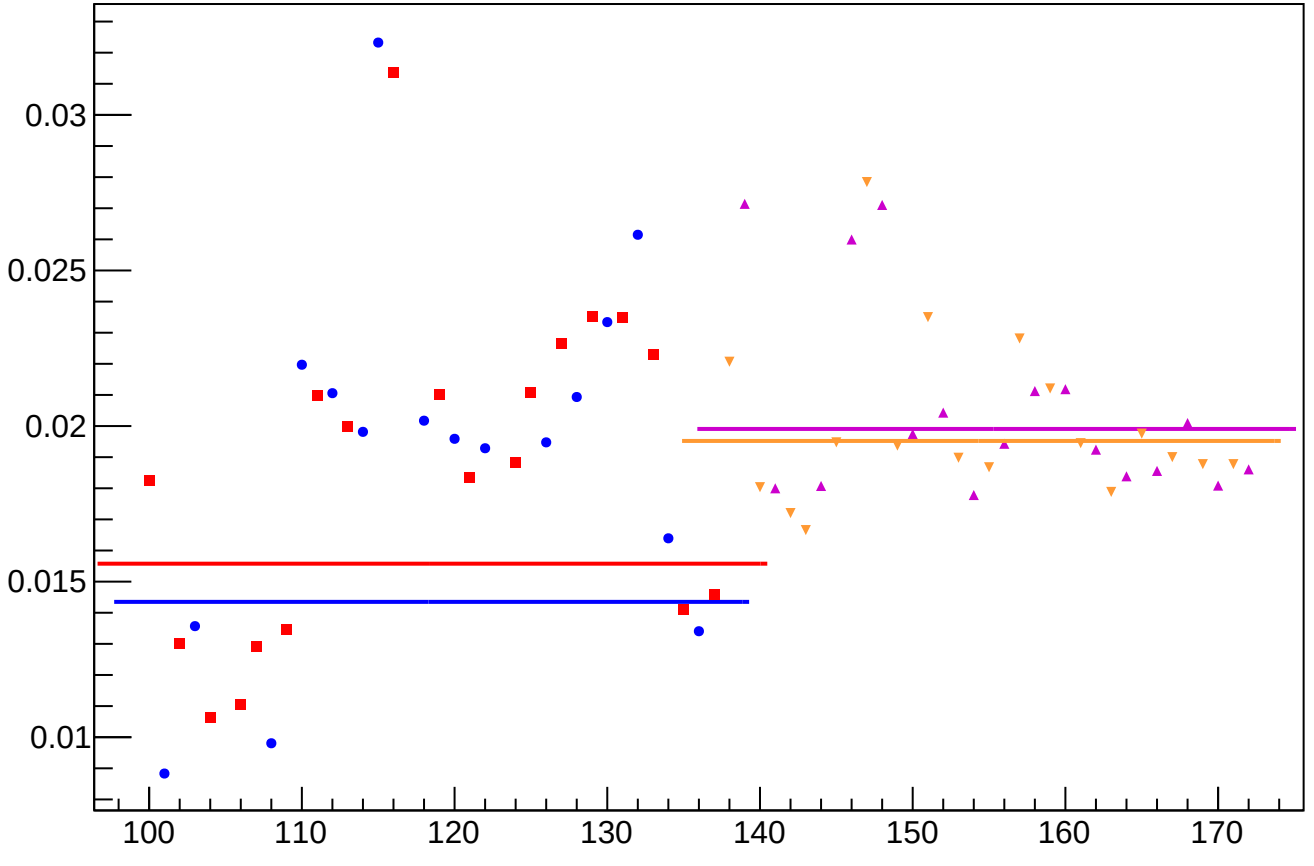
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 9.933+/-0.000 χ^2/NDF:43640591415.5/32

Out: 9.921+/-0.000 χ^2/NDF:40696757258.4/36

All: 9.927+/-0.000 χ^2/NDF: 84341381210.1/6

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.020+/-0.000 χ^2/NDF:337629.3/17

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: 768418.8/34

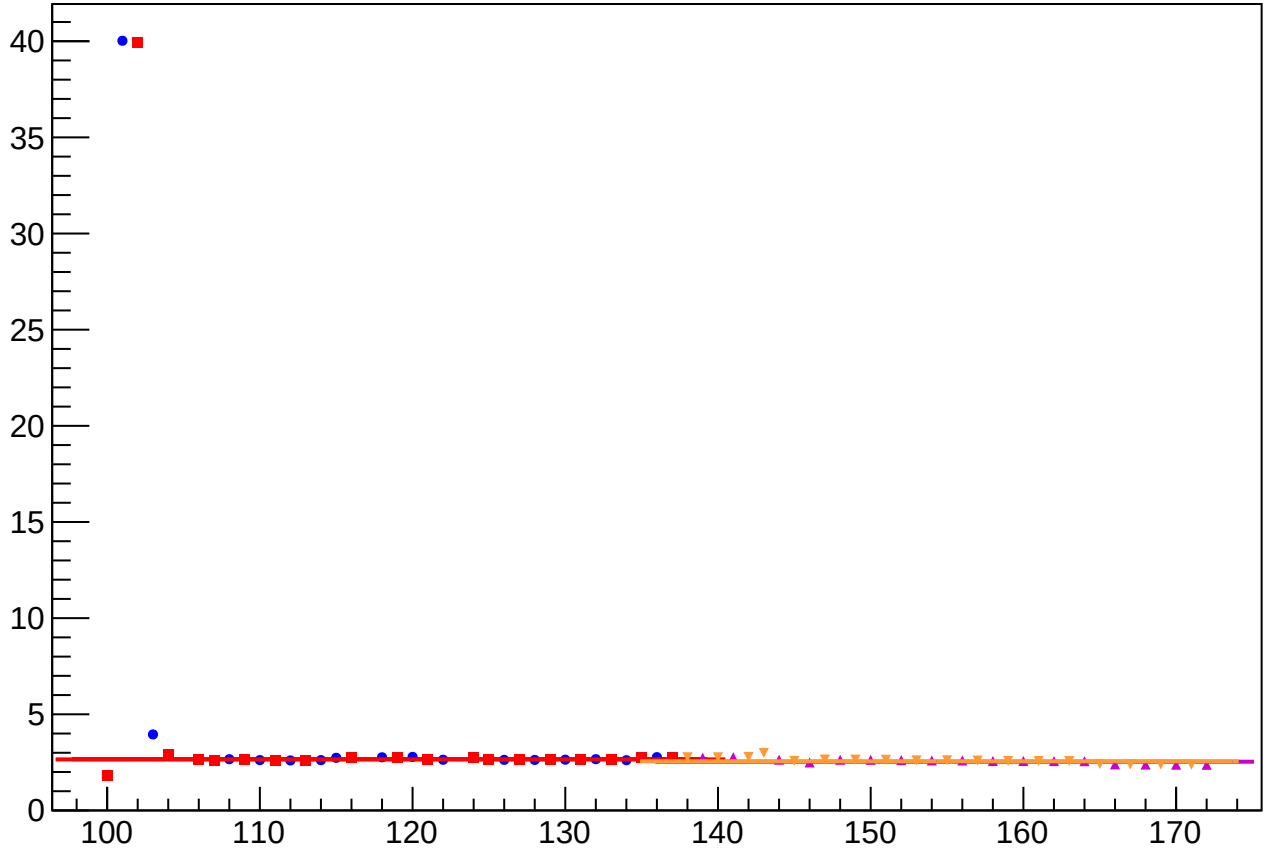
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.017+/-0.000 χ^2/NDF:2822927.1/32

Out: 0.018+/-0.000 χ^2/NDF:1862557.8/36

All: 0.018+/-0.000 χ^2/NDF: 4700130.3/69

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000 χ^2/NDF: 67839888284.3/15

Left Out: 2.557+/-0.000 χ^2/NDF:57748771829.7/17

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: 2.546+/-0.000 χ^2/NDF: 97710843892.3/34

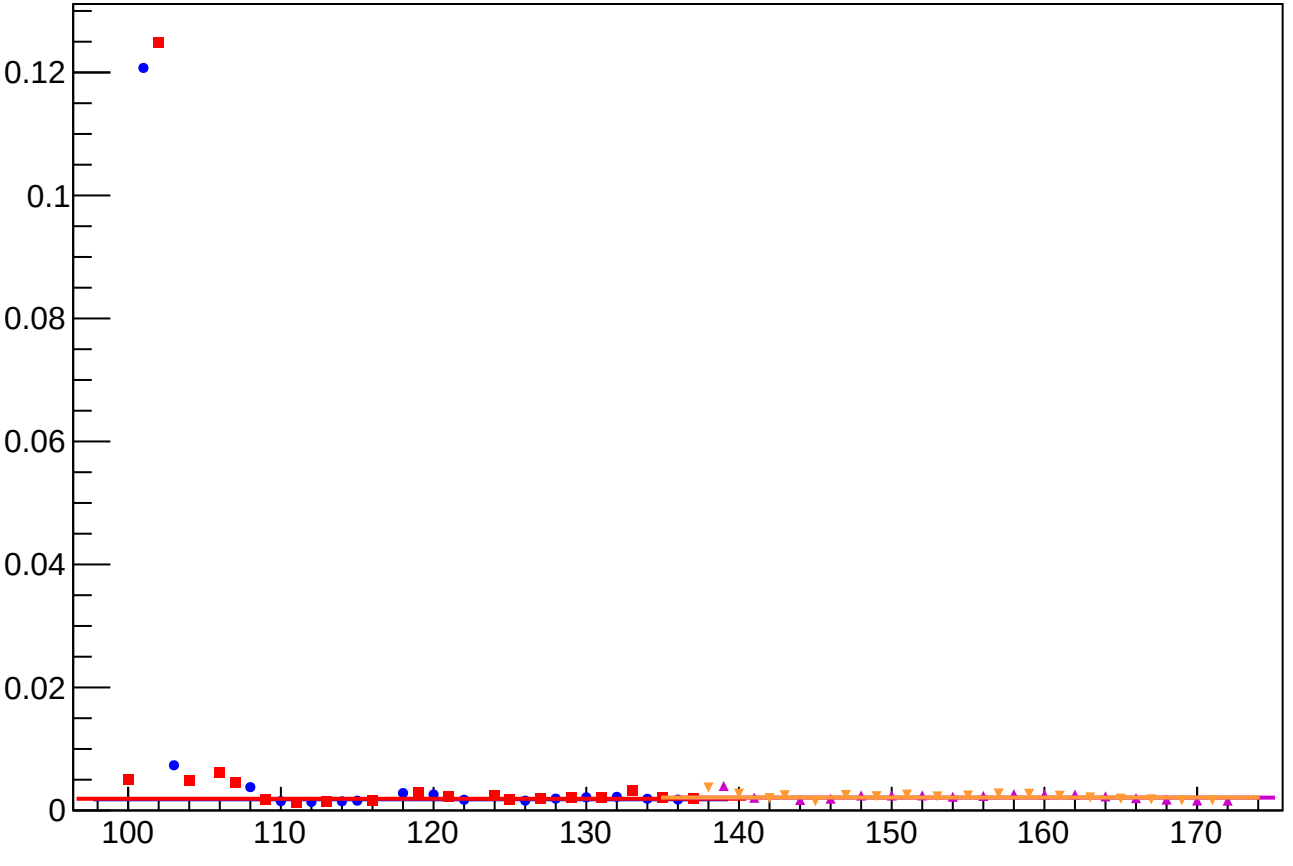
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.581+/-0.000 χ^2/NDF:122558110026.0/32

Out: 2.592+/-0.000 χ^2/NDF:131873556465.1/36

All: 2.586+/-0.000 χ^2/NDF: 254656196188.9

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1161121.8/17

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: 2192521.1/34

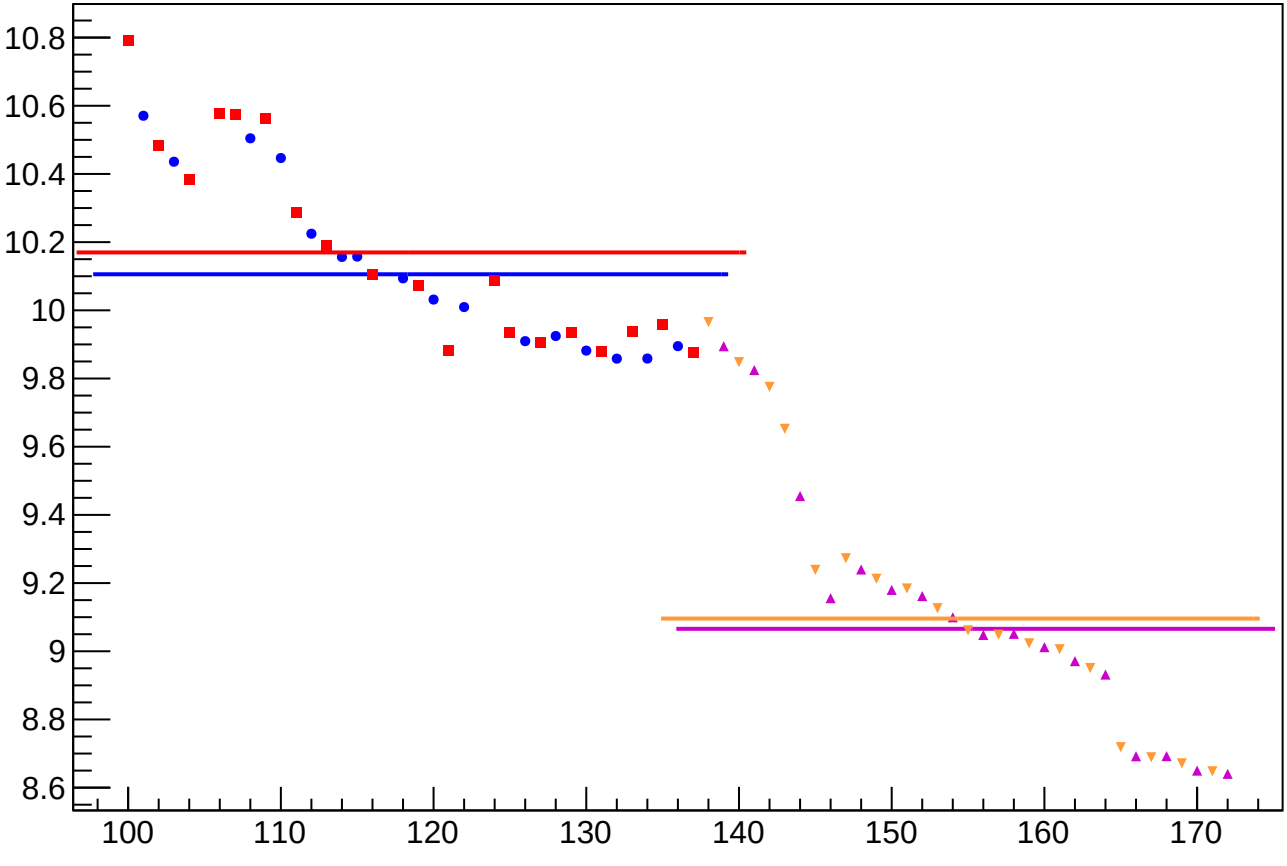
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:2990275.2/32

Out: 0.002+/-0.000 χ^2/NDF:3763570.3/36

All: 0.002+/-0.000 χ^2/NDF: 6761456.0/69

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.106+/-0.000 χ^2/NDF: 9126550621.3/15

Left Out: 9.096+/-0.000 χ^2/NDF:37239956371.5/17

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: 9.081+/-0.000 χ^2/NDF: 70378271681.6/34

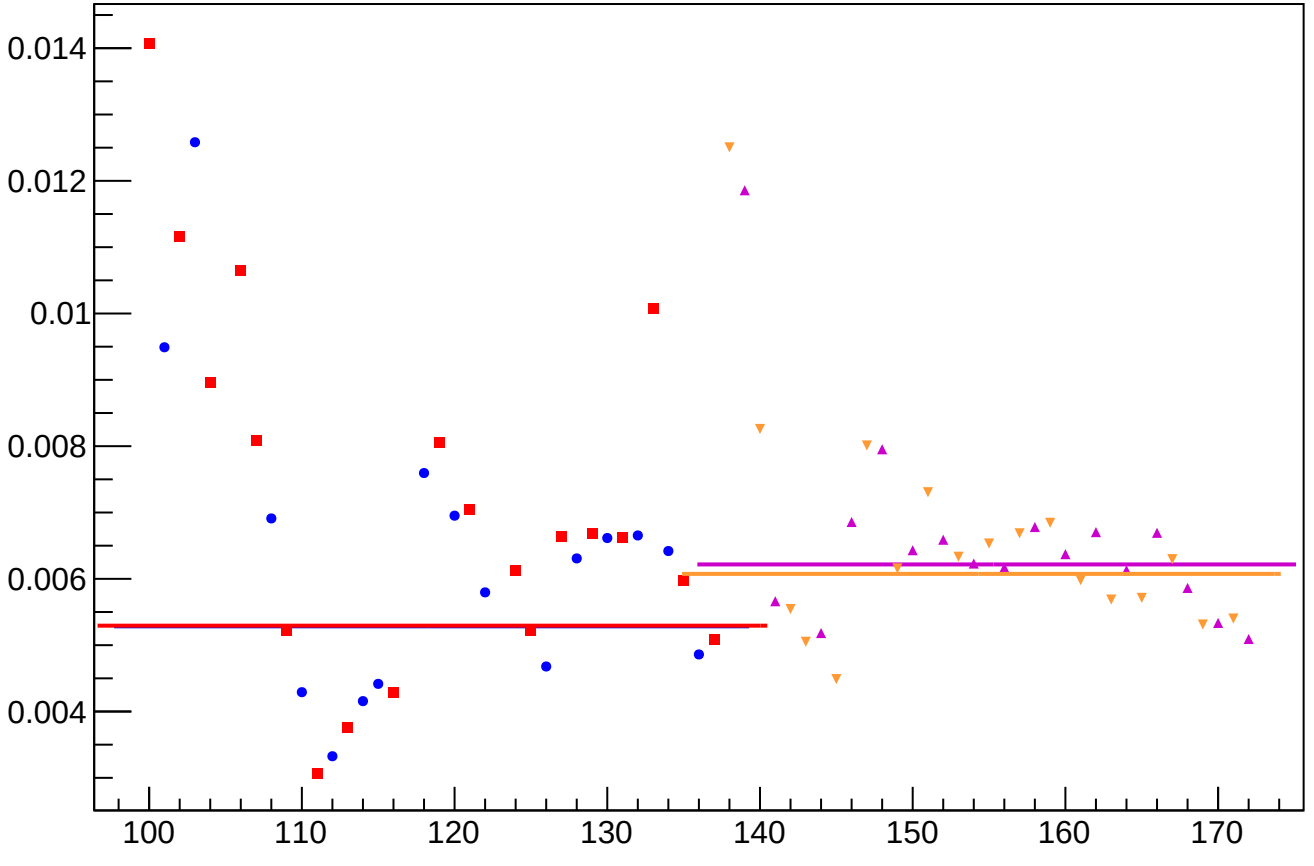
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.482+/-0.000 χ^2/NDF:167652258892.7/32

Out: 9.515+/-0.000 χ^2/NDF:184876042813.3/36

All: 9.499+/-0.000 χ^2/NDF: 352795911360.7

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1274133.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:885634.0/17

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: 1528043.9/34

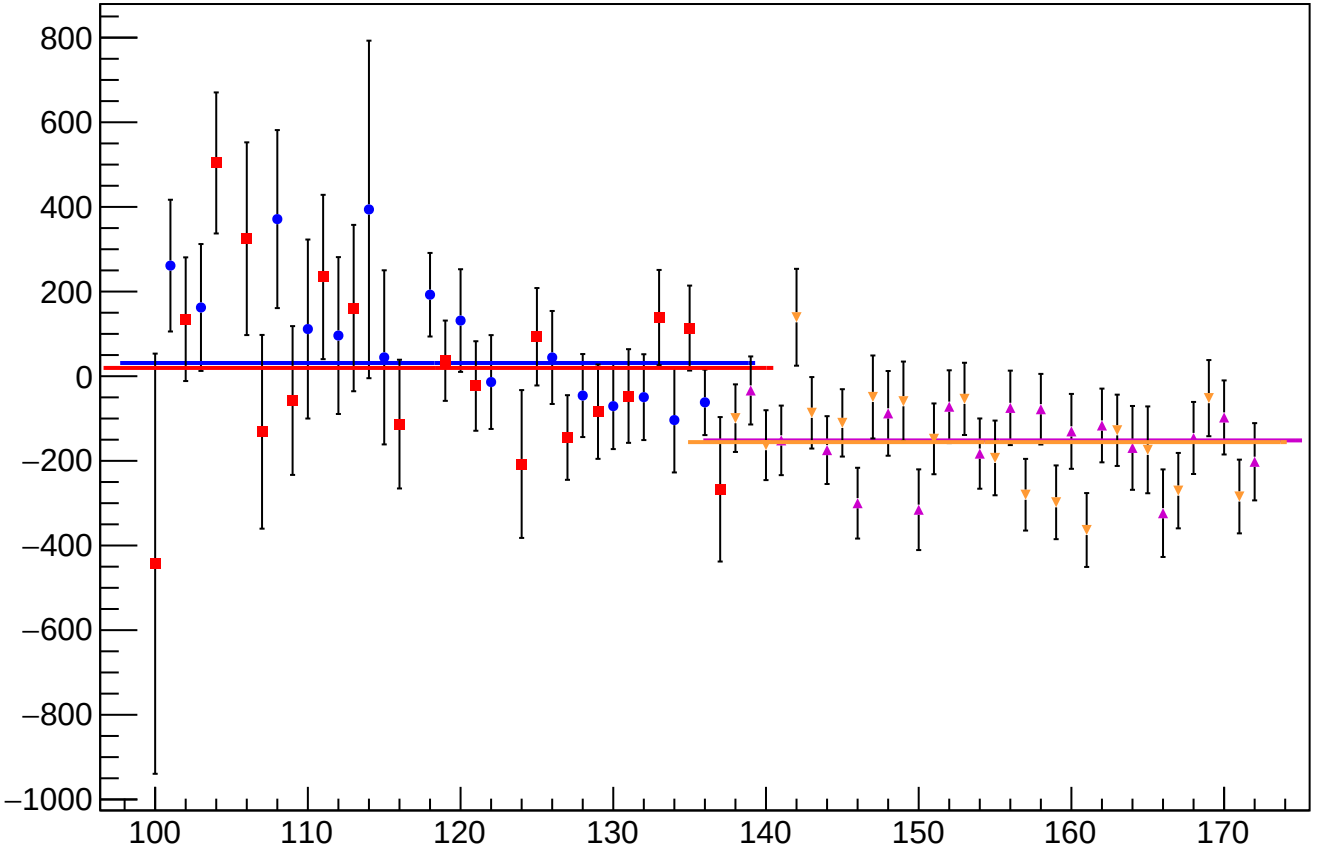
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:2112459.8/32

Out: 0.006+/-0.000 χ^2/NDF:2824275.2/36

All: 0.006+/-0.000 χ^2/NDF: 4939438.2/69

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -155.717+/-20.742 χ^2/NDF:27.8/17

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: -153.753+/-14.854 χ^2/NDF: 42.8/34

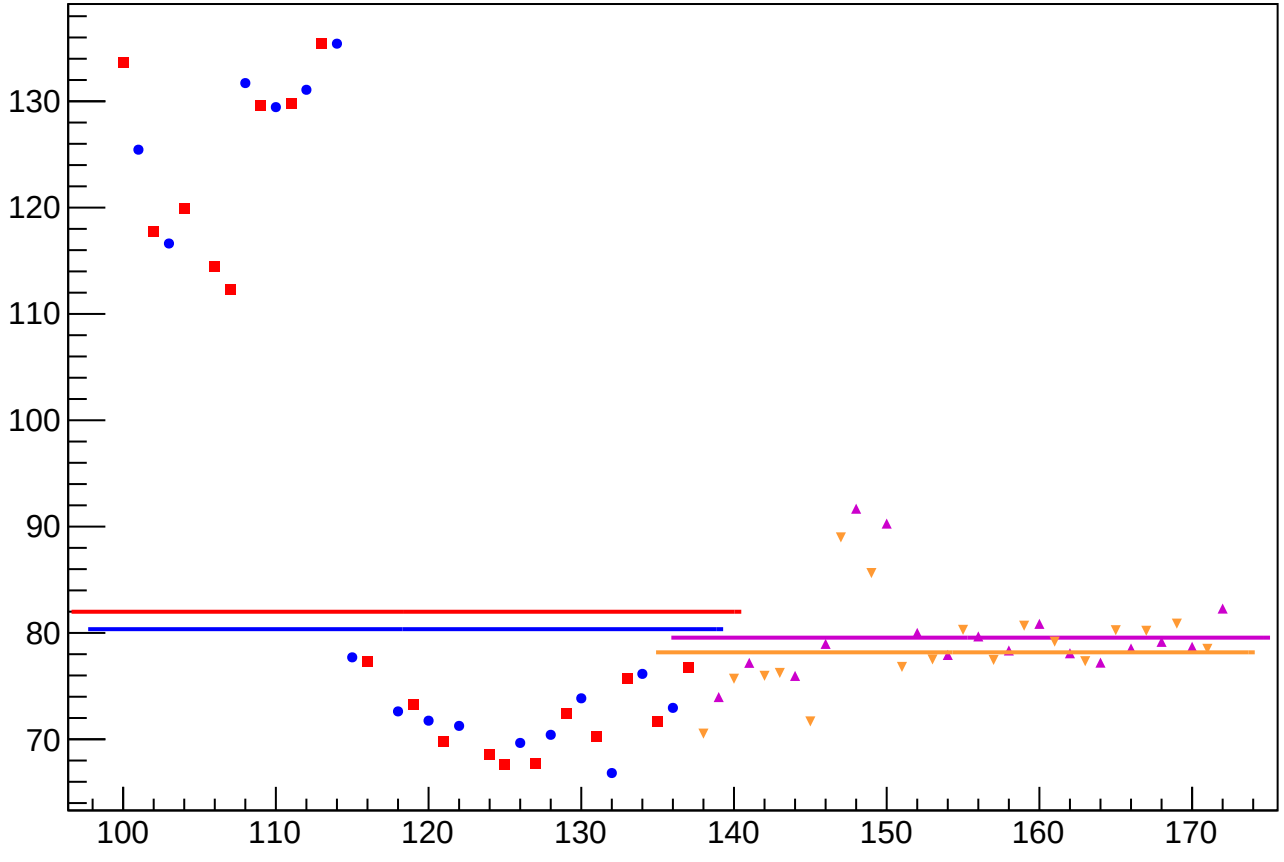
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -92.536+/-17.506 χ^2/NDF:54.0/32

Out: -101.651+/-17.249 χ^2/NDF:75.7/36

All: -97.161+/-12.287 χ^2/NDF: 129.8/69

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 78.176+/-0.015 χ^2/NDF:79993.1/17

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 79.556+/-0.015 χ^2/NDF:75716.2/16

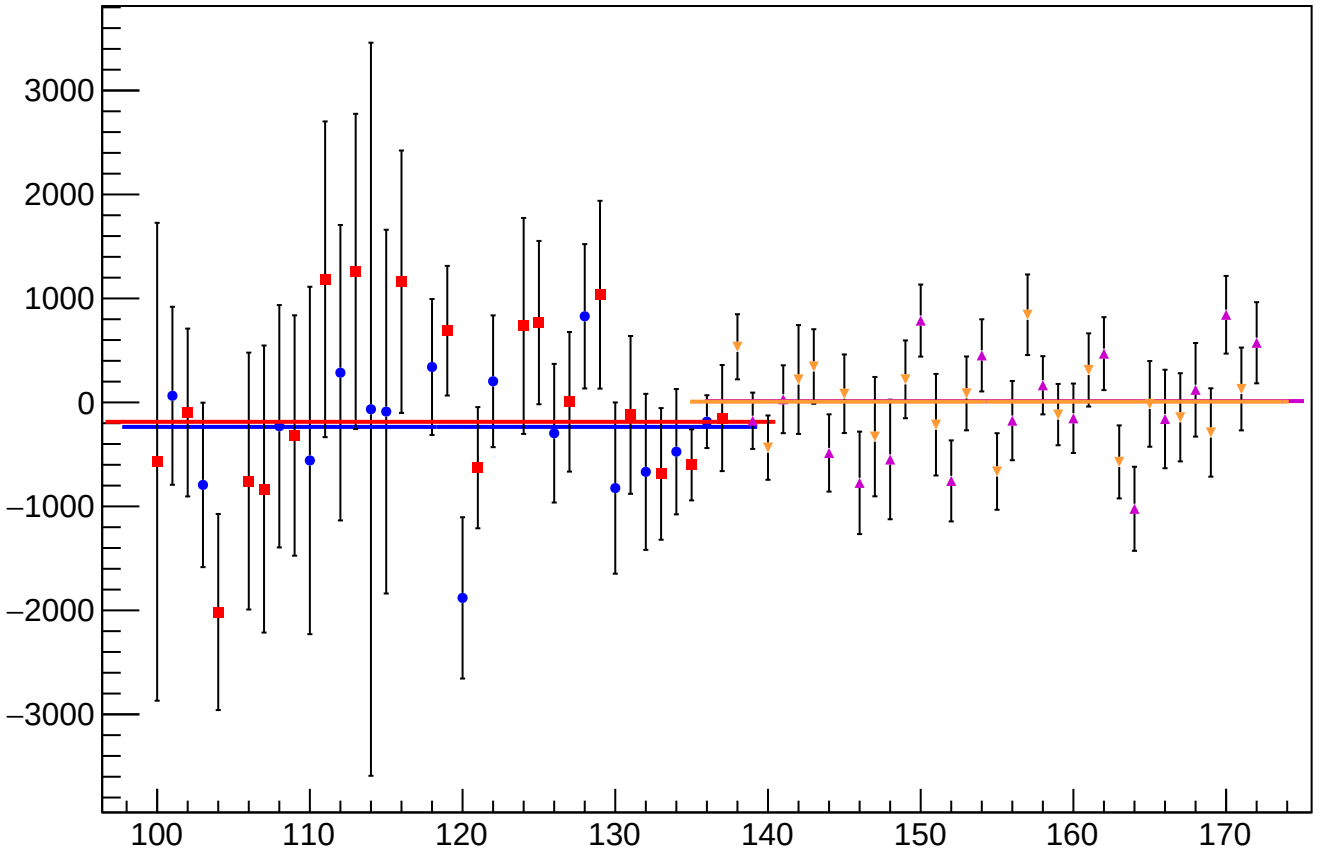
Left: 78.848+/-0.011 χ^2/NDF: 160022.6/34

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 79.814+/-0.012 χ^2/NDF:916665.3/32

Out: 79.353+/-0.012 χ^2/NDF:1033222.7/36

All: 79.580+/-0.009 χ^2/NDF: 1950591.0/69



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: 7.437+/-88.946 χ^2/NDF:19.2/17

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: 10.213+/-62.868 χ^2/NDF: 51.8/34

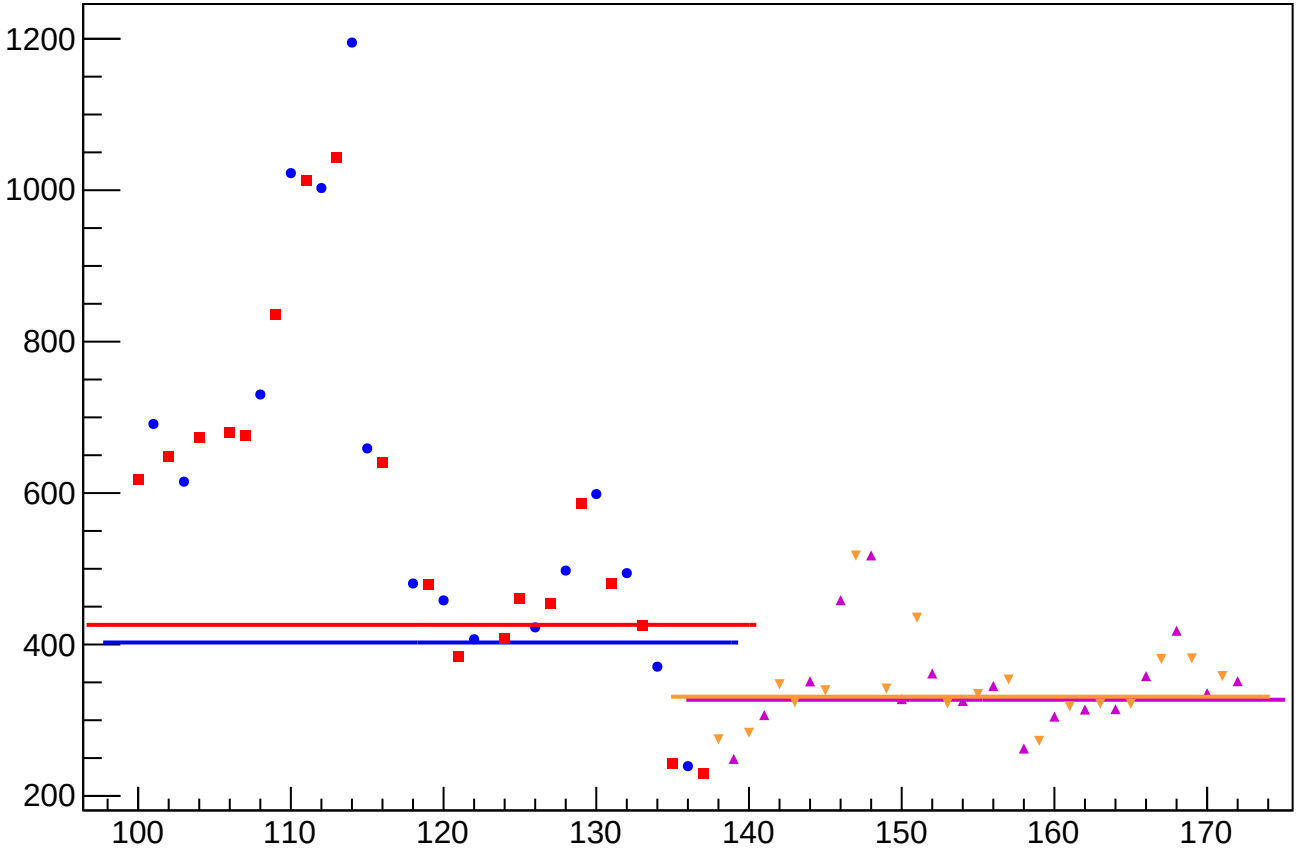
Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -43.551+/-78.112 χ^2/NDF:44.2/32

Out: -34.117+/-78.849 χ^2/NDF:36.2/36

All: -38.878+/-55.492 χ^2/NDF: 80.5/69

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 331.075+/-0.063 χ^2/NDF:576786.7/17

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: 329.048+/-0.044 χ^2/NDF: 1363551.7/34

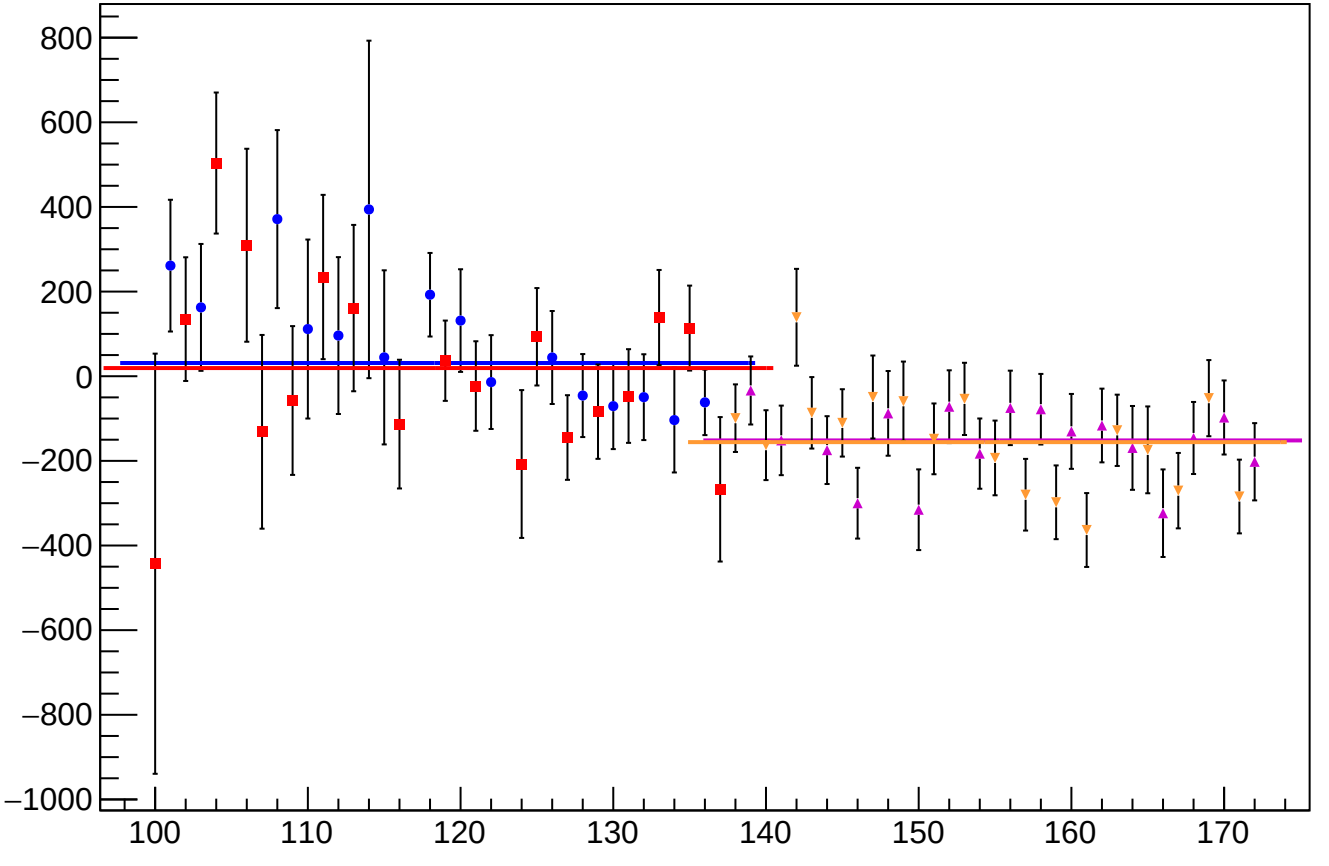
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 344.232+/-0.055 χ^2/NDF:3474320.9/32

Out: 351.397+/-0.056 χ^2/NDF:3433157.6/36

All: 347.781+/-0.039 χ^2/NDF: 6915815.5/69

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -155.714+/-20.742 χ^2/NDF:27.8/17

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: -153.754+/-14.854 χ^2/NDF: 42.8/34

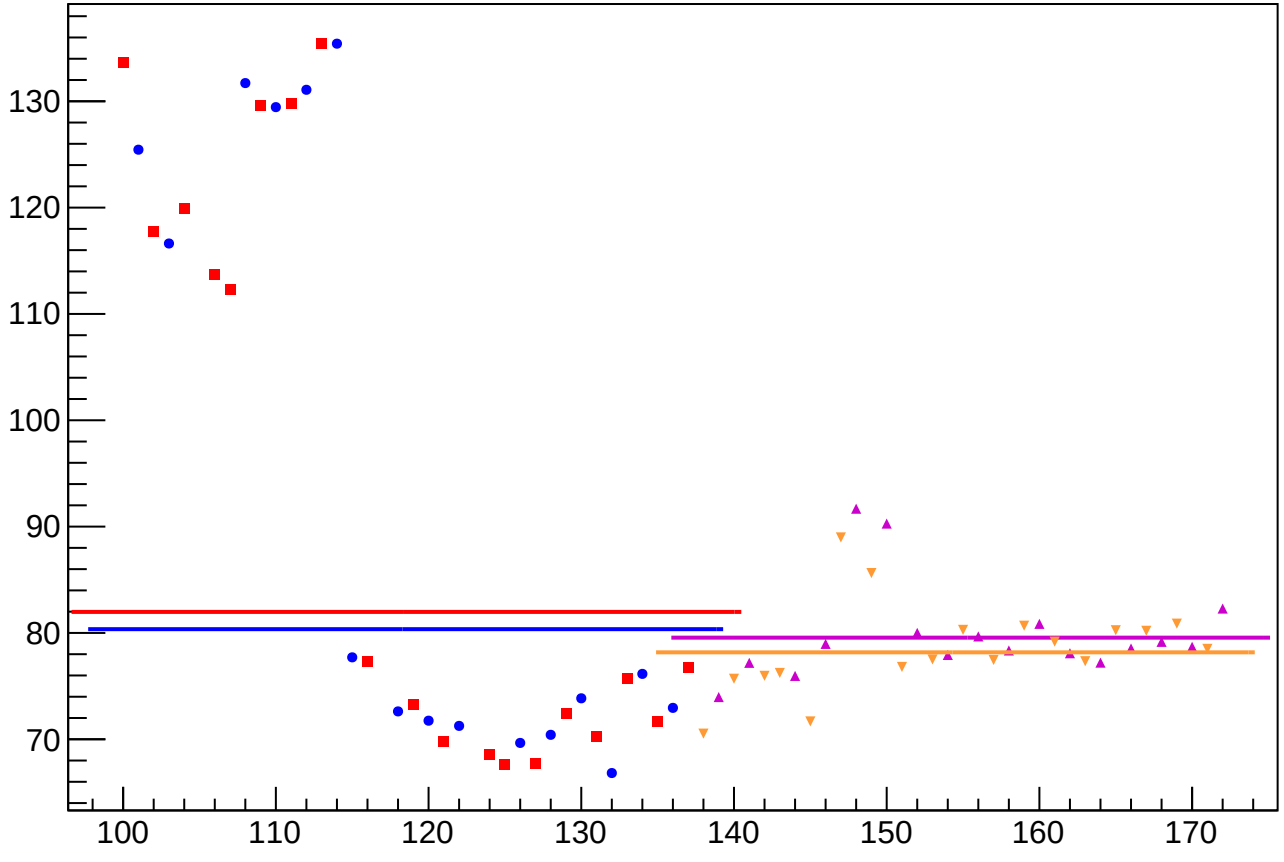
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -92.536+/-17.506 χ^2/NDF:54.0/32

Out: -101.741+/-17.249 χ^2/NDF:75.5/36

All: -97.207+/-12.287 χ^2/NDF: 129.6/69

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.176+/-0.015 χ^2/NDF:79993.1/17

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.556+/-0.015 χ^2/NDF:75716.2/16

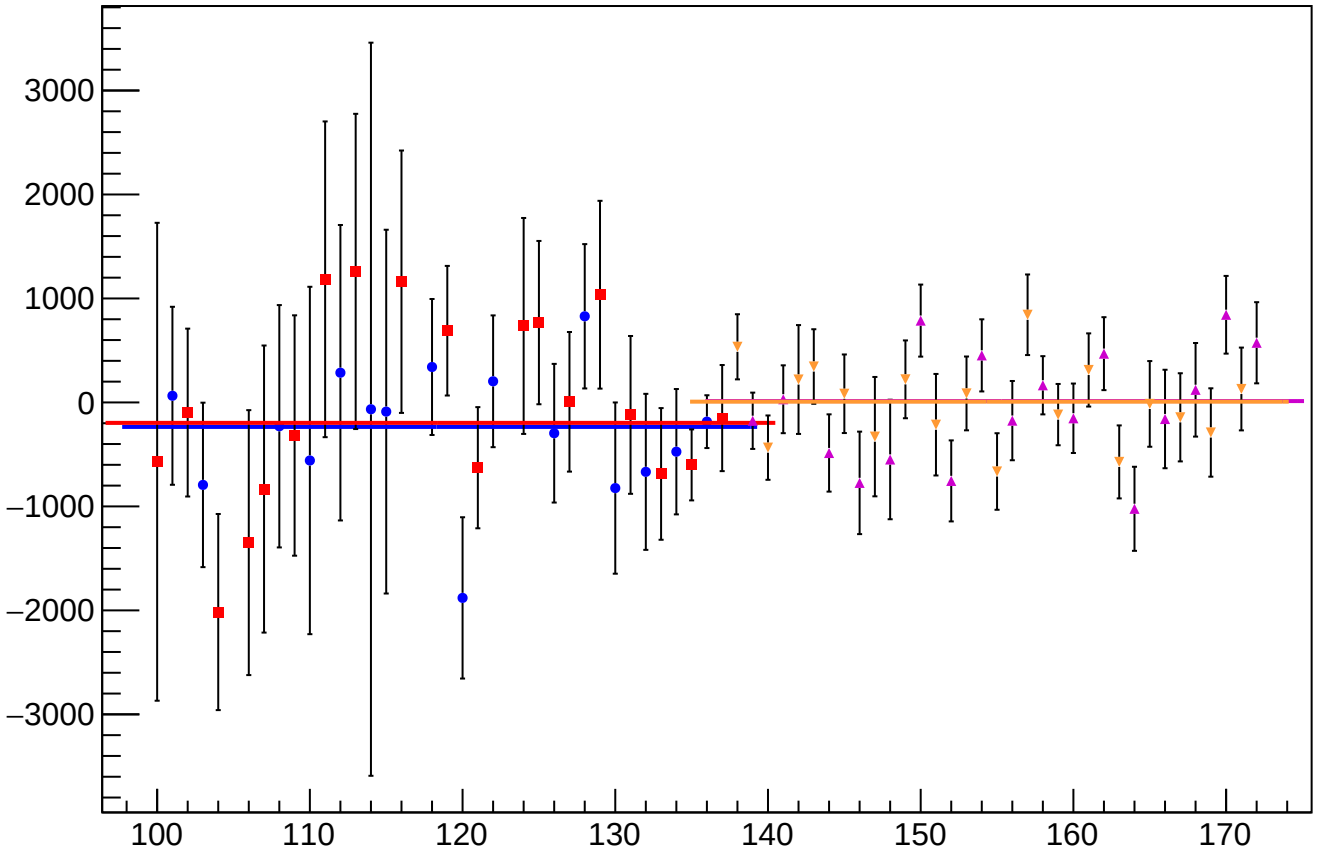
Left: 78.848+/-0.011 χ^2/NDF: 160022.6/34

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.814+/-0.012 χ^2/NDF:916665.5/32

Out: 79.348+/-0.012 χ^2/NDF:1031186.4/36

All: 79.578+/-0.009 χ^2/NDF: 1948569.2/69



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 7.437+/-88.946 χ^2/NDF:19.2/17

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: 12.979+/-88.872 χ^2/NDF:32.5/16

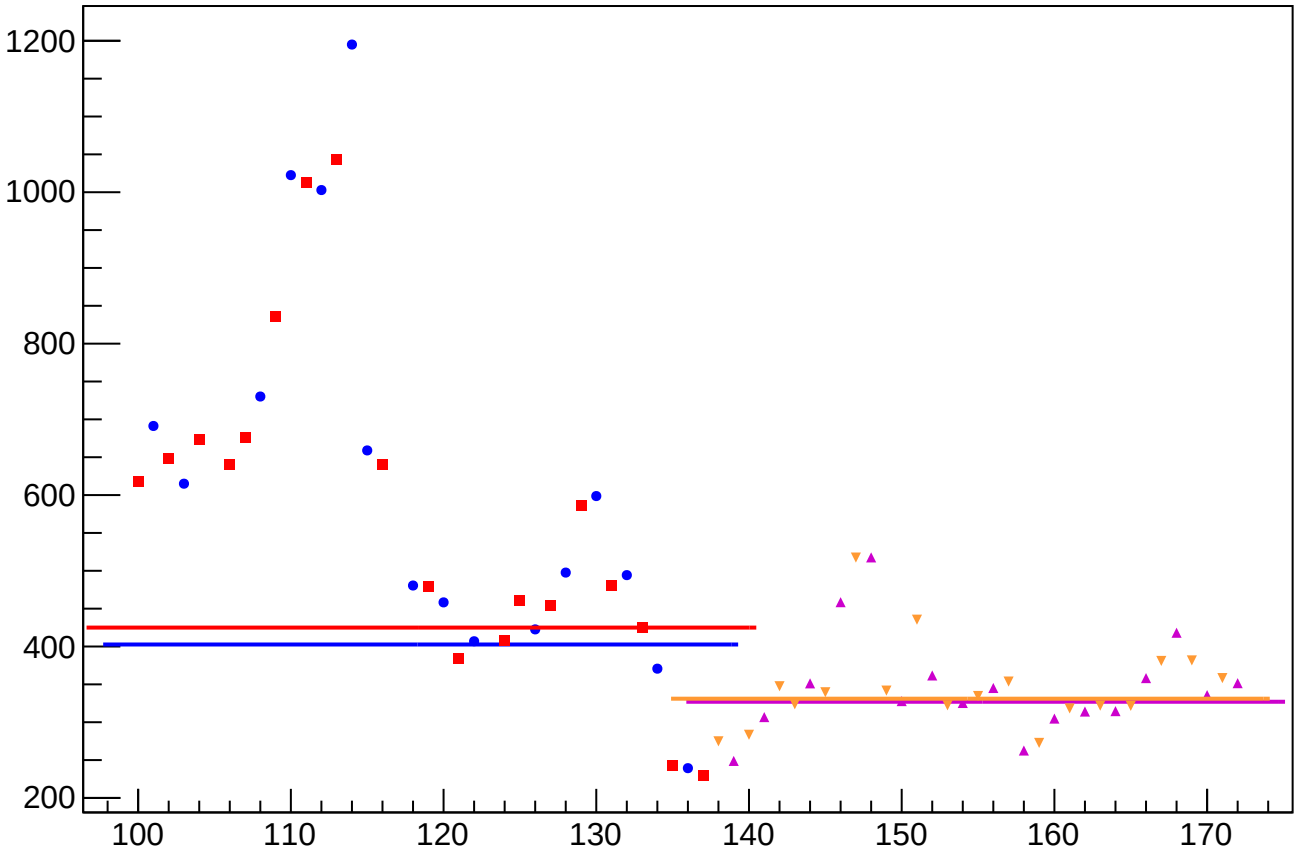
Left: 10.211+/-62.868 χ^2/NDF: 51.8/34

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -43.555+/-78.112 χ^2/NDF:44.2/32

Out: -36.210+/-78.859 χ^2/NDF:36.9/36

All: -39.917+/-55.496 χ^2/NDF: 81.2/69



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 331.075+/-0.063 χ^2/NDF:576794.7/17

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 327.025+/-0.063 χ^2/NDF:784689.6/16

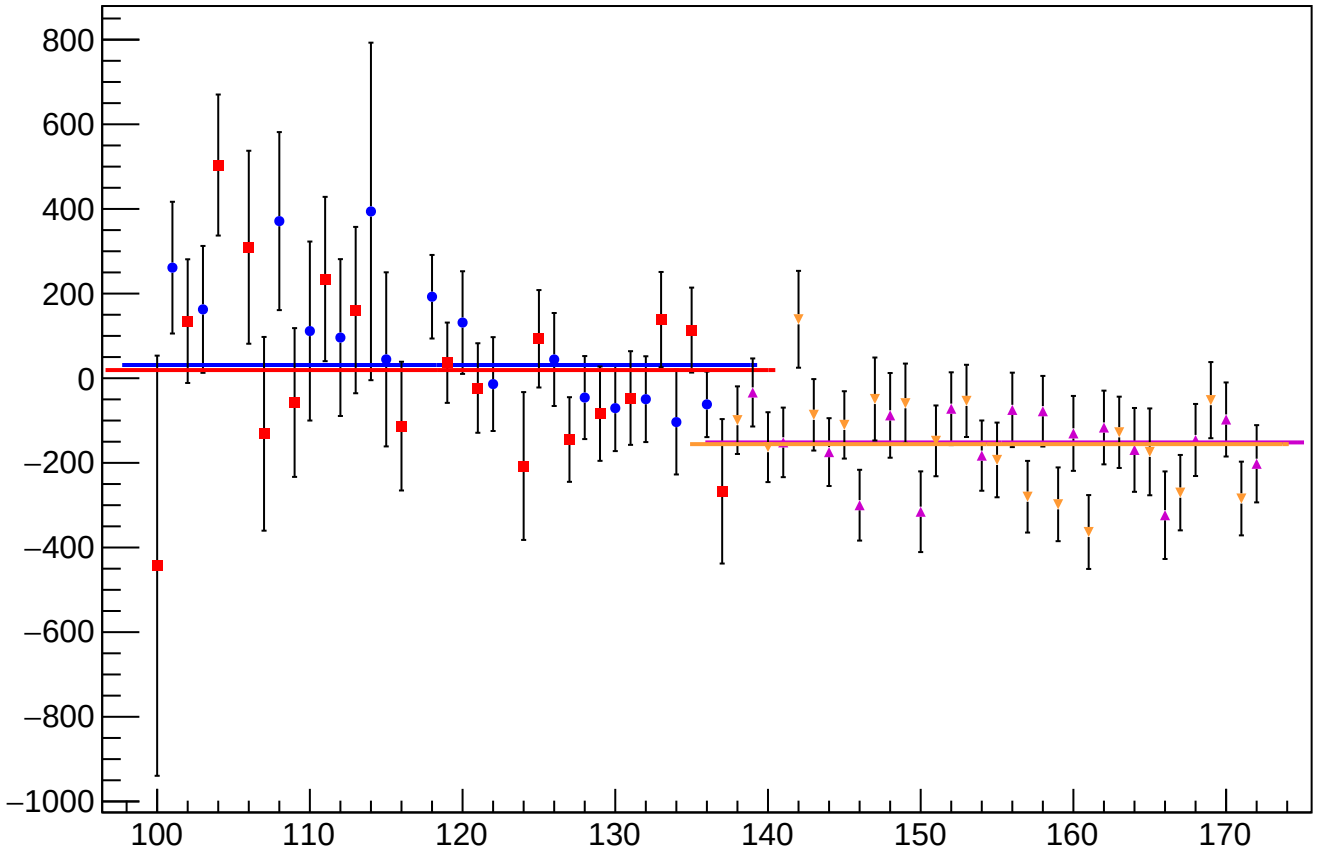
Left: 329.048+/-0.044 χ^2/NDF: 1363559.4/34

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 344.232+/-0.055 χ^2/NDF:3474316.9/32

Out: 351.167+/-0.056 χ^2/NDF:3394831.1/36

All: 347.666+/-0.039 χ^2/NDF: 6876955.7/69



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -155.714+/-20.742 χ^2/NDF:27.8/17

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: -153.754+/-14.854 χ^2/NDF: 42.8/34

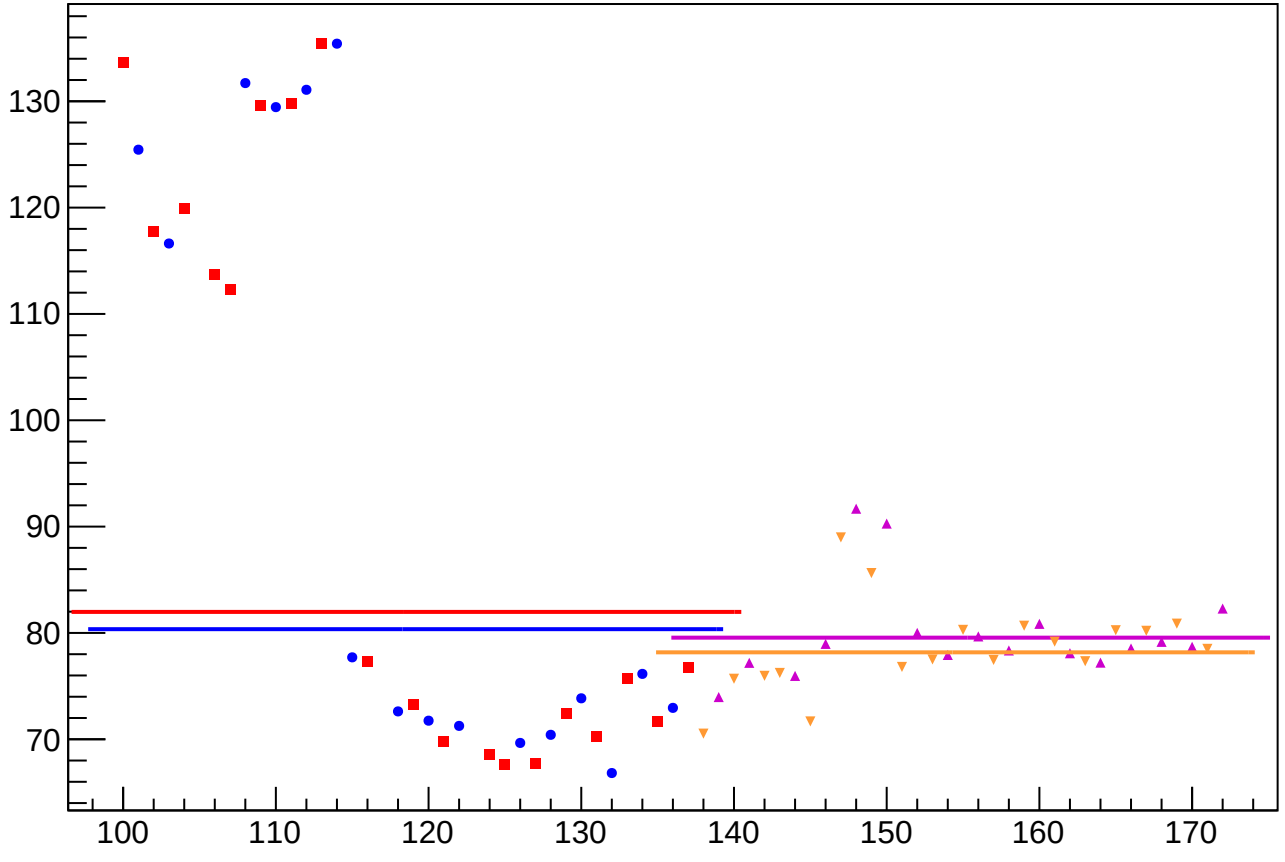
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -92.536+/-17.506 χ^2/NDF:54.0/32

Out: -101.741+/-17.249 χ^2/NDF:75.5/36

All: -97.207+/-12.287 χ^2/NDF: 129.6/69

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.176+/-0.015 χ^2/NDF:79993.1/17

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.556+/-0.015 χ^2/NDF:75716.2/16

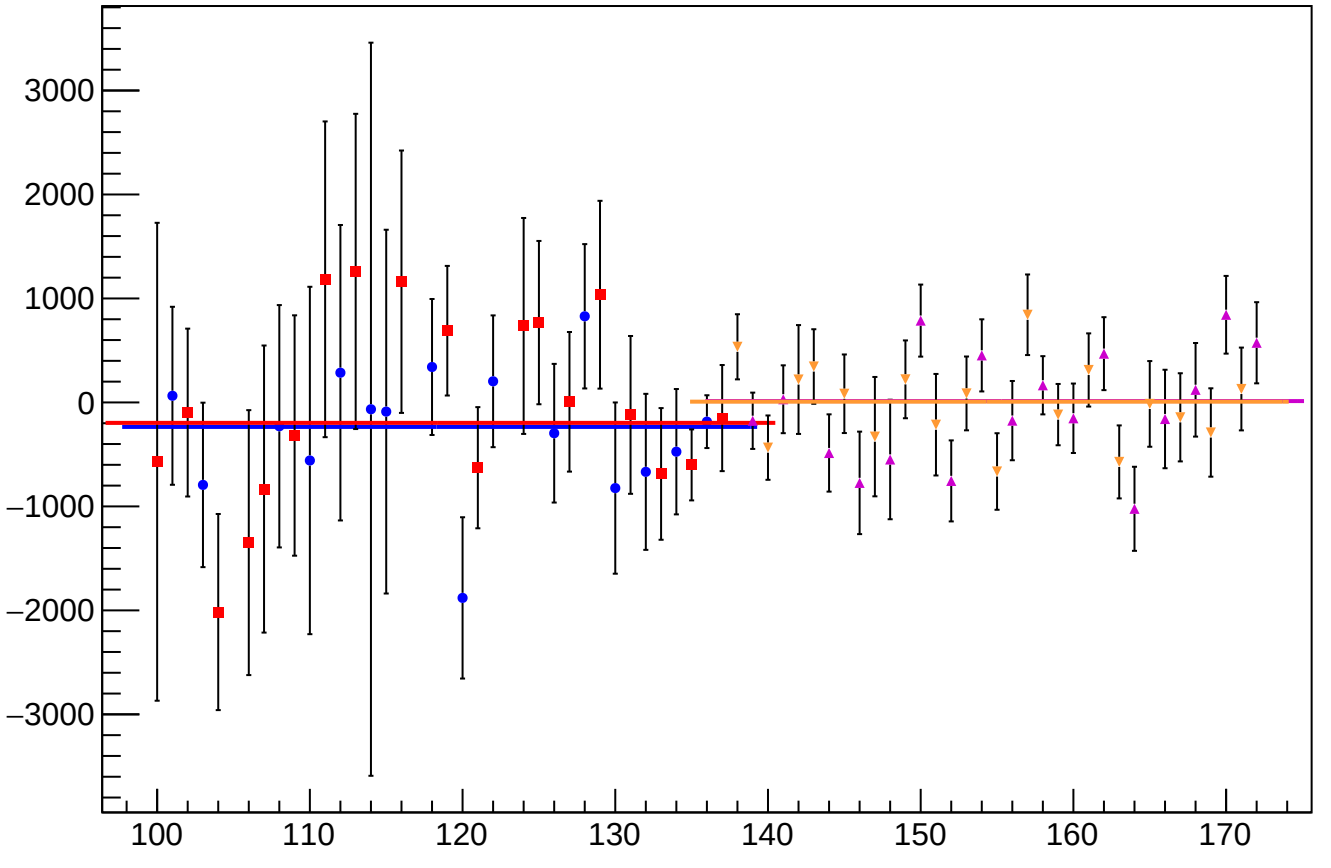
Left: 78.848+/-0.011 χ^2/NDF: 160022.6/34

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.814+/-0.012 χ^2/NDF:916665.5/32

Out: 79.348+/-0.012 χ^2/NDF:1031186.4/36

All: 79.578+/-0.009 χ^2/NDF: 1948569.2/69



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: 7.437+/-88.946 χ^2/NDF:19.2/17

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: 12.979+/-88.872 χ^2/NDF:32.5/16

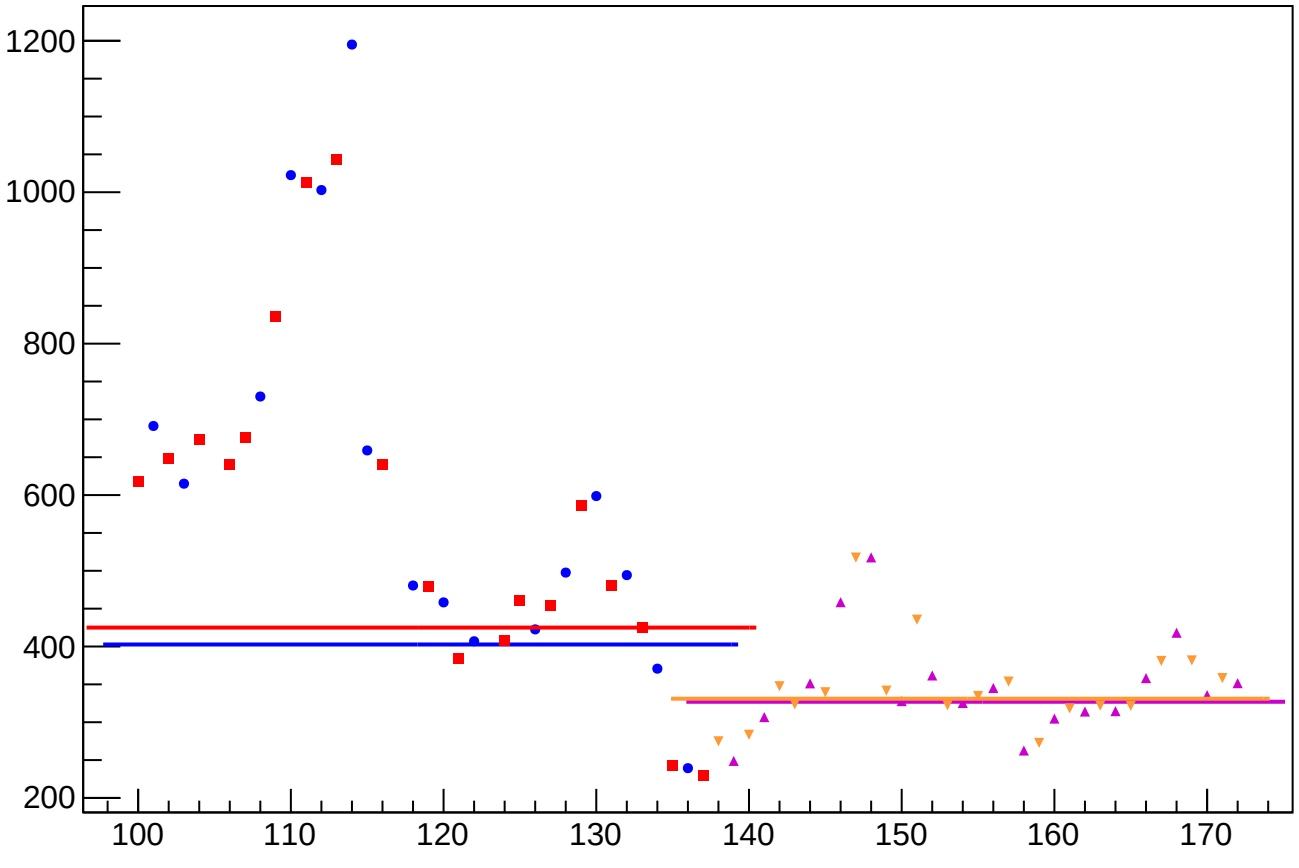
Left: 10.211+/-62.868 χ^2/NDF: 51.8/34

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -43.555+/-78.112 χ^2/NDF:44.2/32

Out: -36.210+/-78.859 χ^2/NDF:36.9/36

All: -39.917+/-55.496 χ^2/NDF: 81.2/69



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 331.075+/-0.063 χ^2/NDF:576794.7/17

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: 329.048+/-0.044 χ^2/NDF: 1363559.4/34

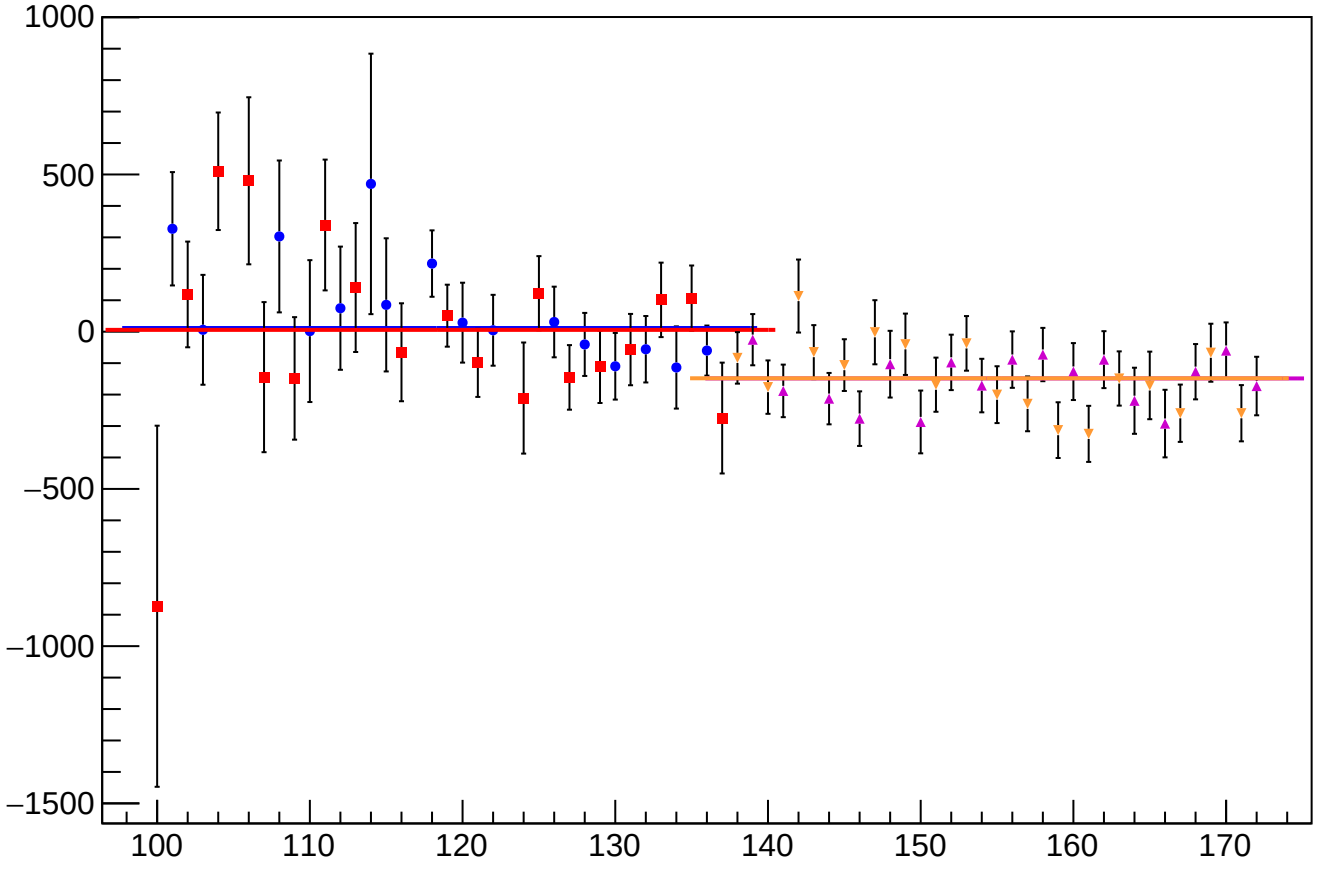
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 344.232+/-0.055 χ^2/NDF:3474316.9/32

Out: 351.167+/-0.056 χ^2/NDF:3394831.1/36

All: 347.666+/-0.039 χ^2/NDF: 6876955.7/69

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -148.145+/-21.293 χ^2/NDF:24.4/17

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: -148.383+/-15.264 χ^2/NDF: 37.3/34

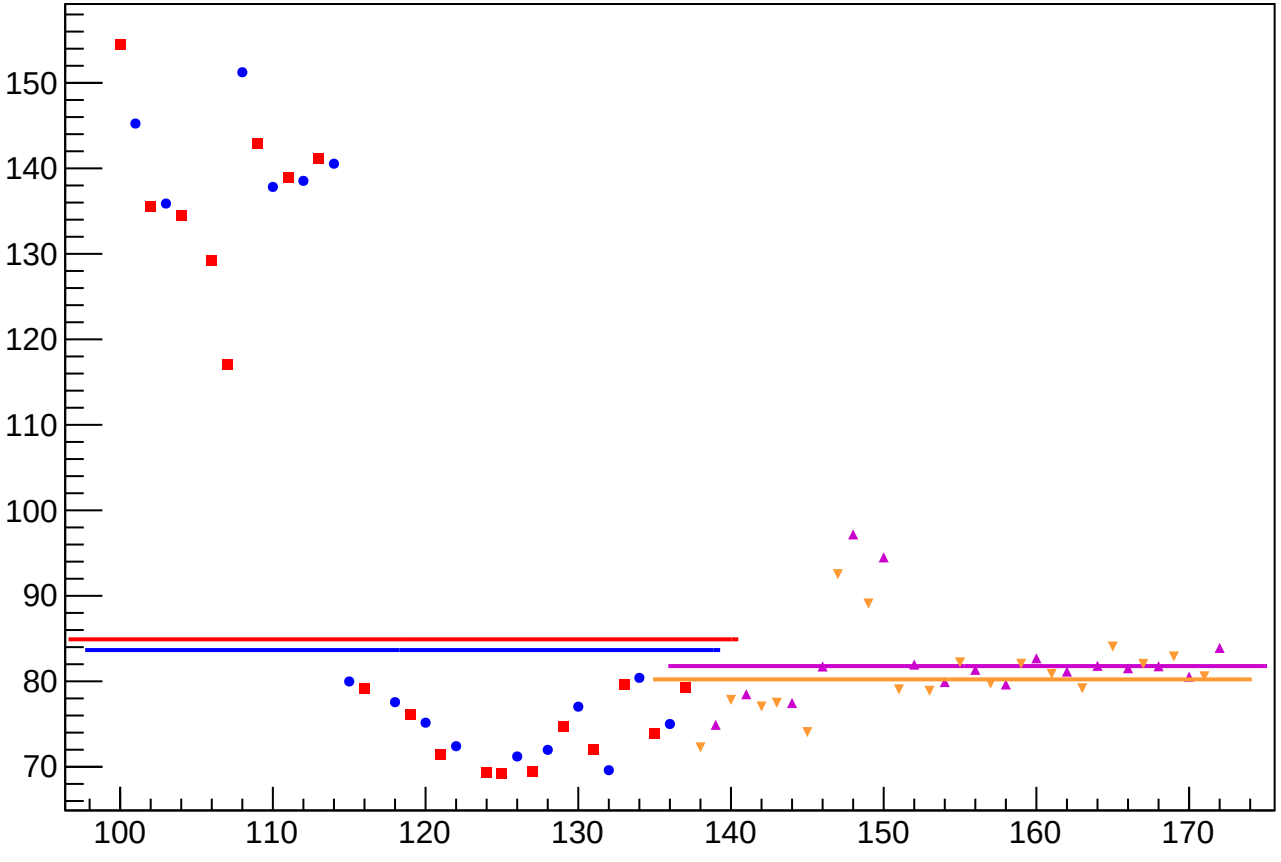
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -98.167+/-18.123 χ^2/NDF:43.3/32

Out: -101.794+/-17.801 χ^2/NDF:69.0/36

All: -100.013+/-12.700 χ^2/NDF: 112.3/69

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 80.228+/-0.015 χ^2/NDF:89113.1/17

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 81.783+/-0.015 χ^2/NDF:101566.4/16

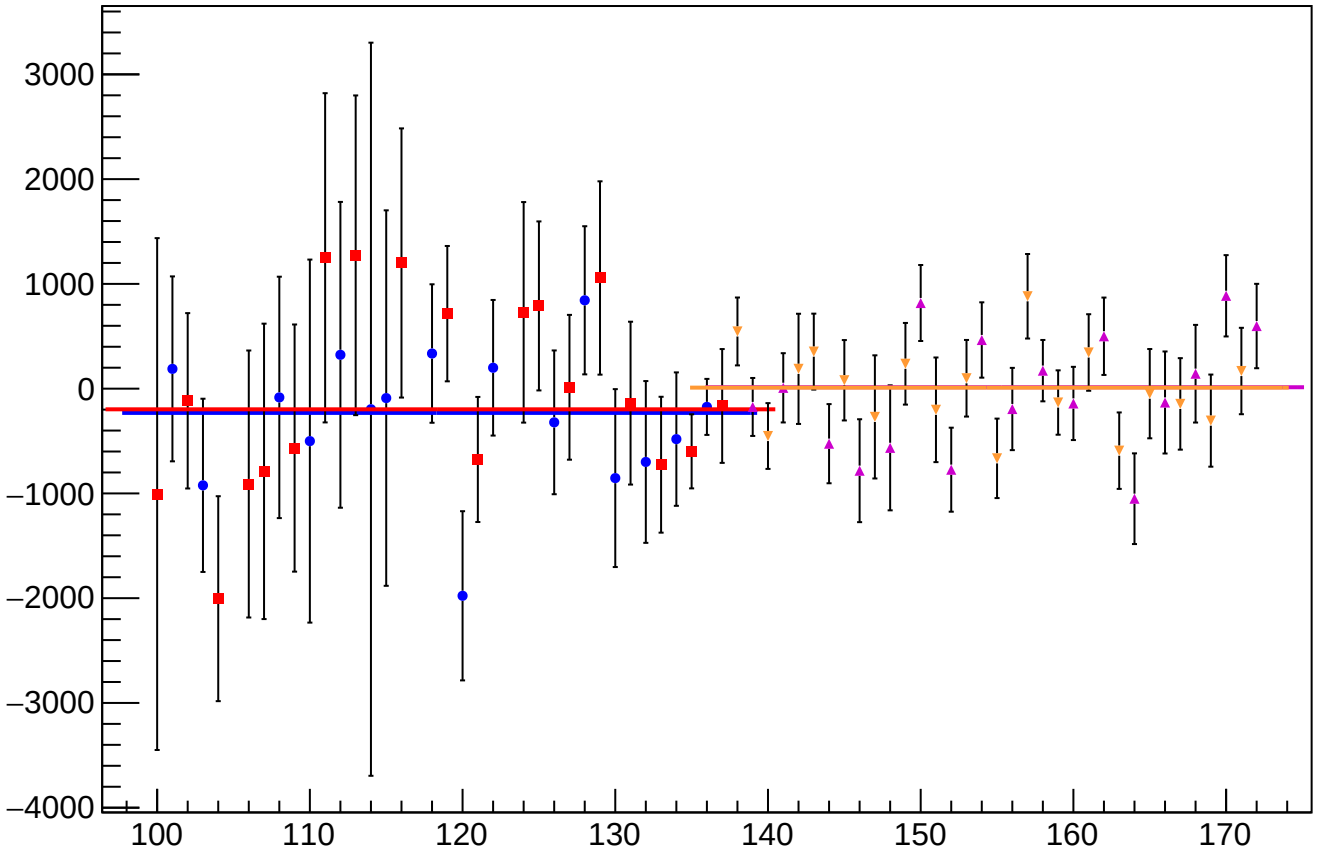
Left: 80.984+/-0.011 χ^2/NDF: 195867.3/34

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.373+/-0.013 χ^2/NDF:1140974.1/32

Out: 81.638+/-0.013 χ^2/NDF:1239936.2/36

All: 81.999+/-0.009 χ^2/NDF: 2382584.3/69



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 9.814+/-91.612 χ^2/NDF:19.2/17

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: 13.500+/-91.920 χ^2/NDF:32.3/16

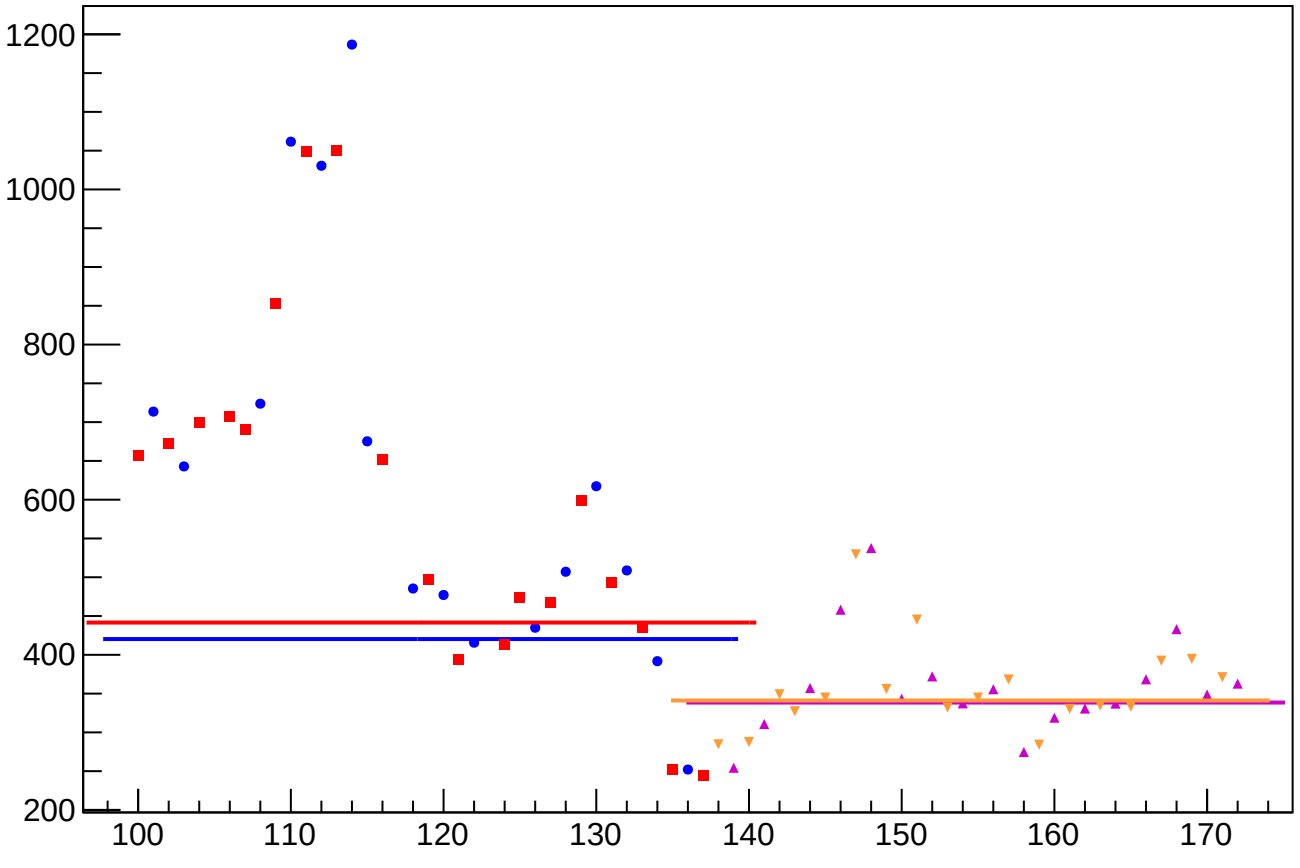
Left: 11.651+/-64.888 χ^2/NDF: 51.5/34

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -41.836+/-80.871 χ^2/NDF:44.3/32

Out: -34.284+/-81.271 χ^2/NDF:36.2/36

All: -38.079+/-57.325 χ^2/NDF: 80.5/69



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 341.115+/-0.065 χ^2/NDF:568643.5/17

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 338.463+/-0.065 χ^2/NDF:764330.2/16

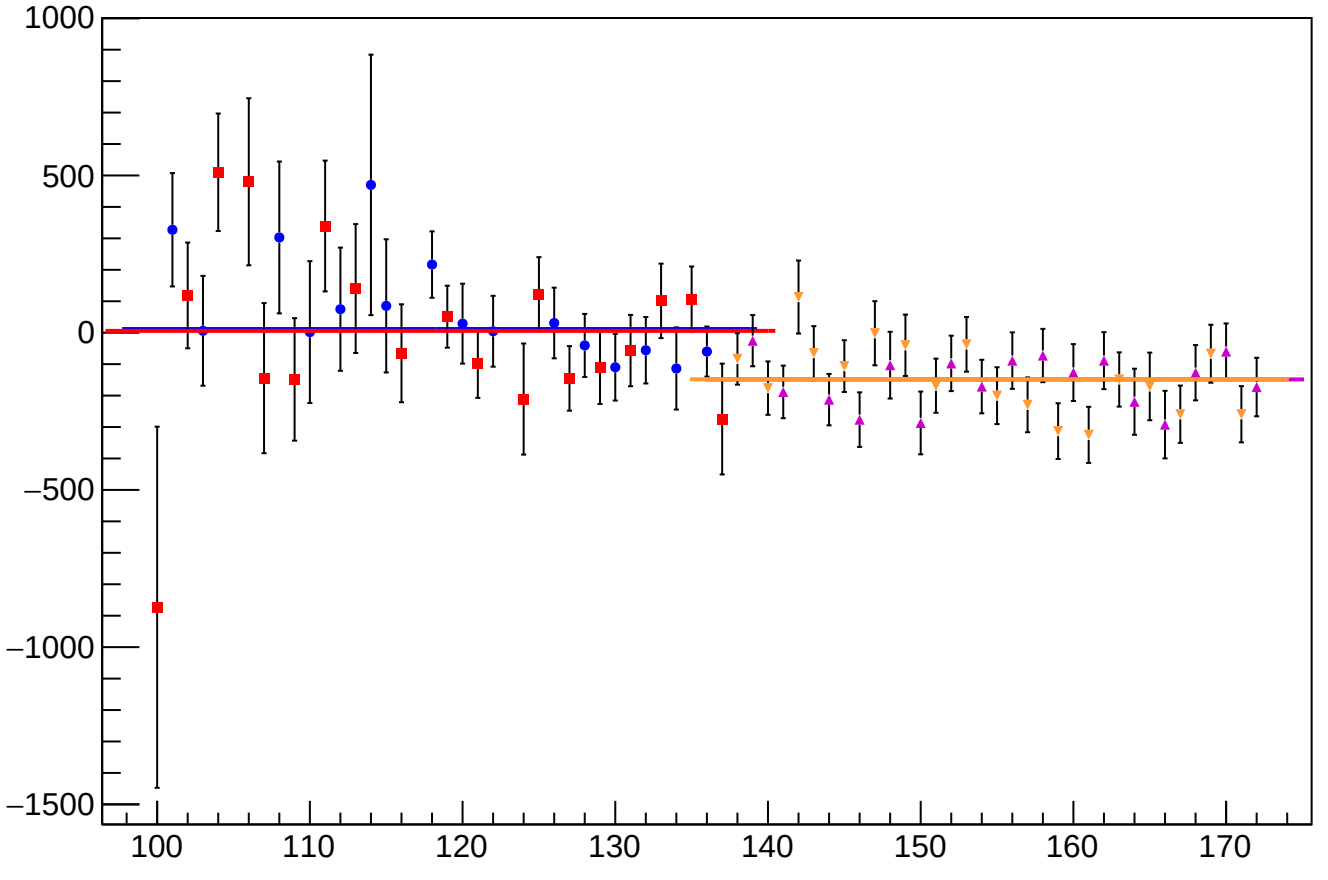
Left: 339.793+/-0.046 χ^2/NDF: 1333809.1/34

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 356.960+/-0.057 χ^2/NDF:3377397.6/32

Out: 362.519+/-0.057 χ^2/NDF:3388746.4/36

All: 359.726+/-0.041 χ^2/NDF: 6770844.9/69



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -148.145+/-21.293 χ^2/NDF:24.4/17

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: -148.383+/-15.264 χ^2/NDF: 37.3/34

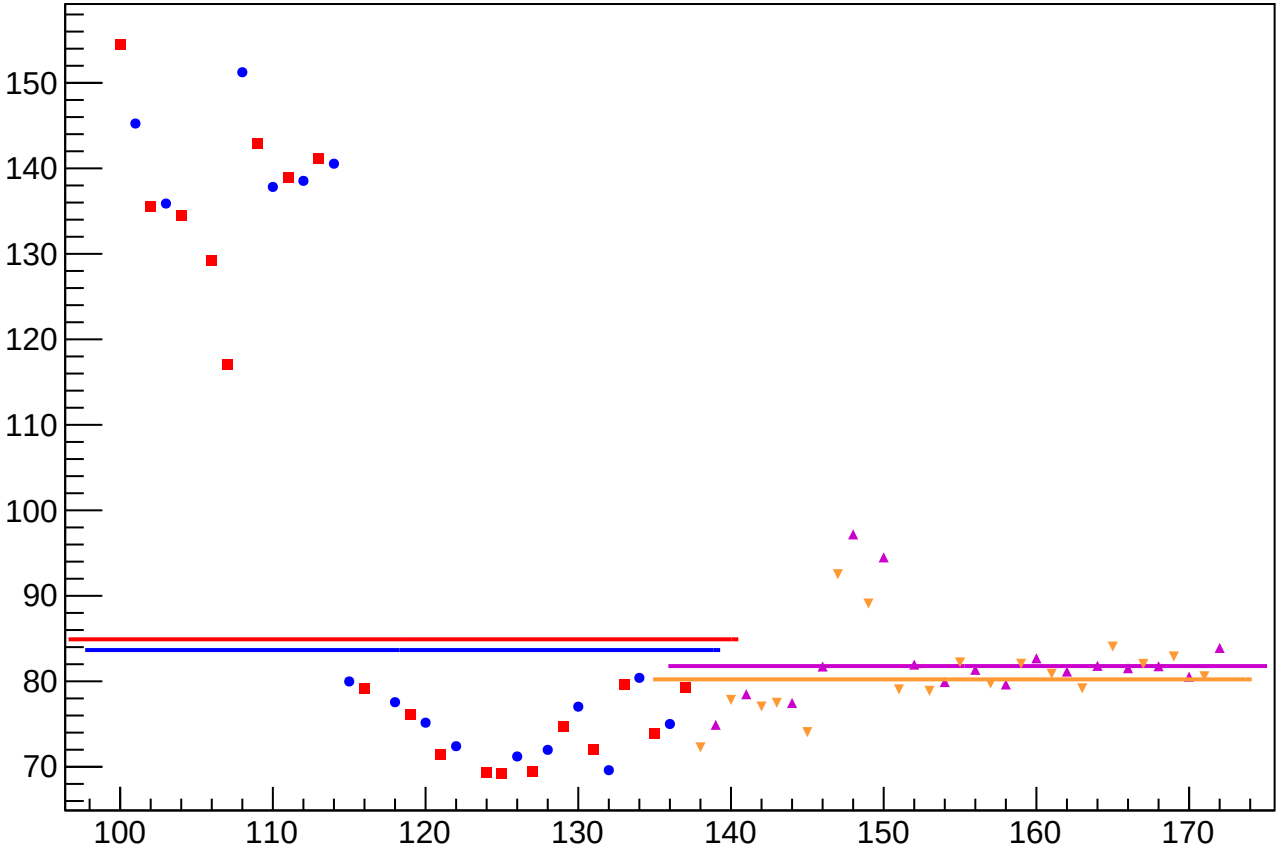
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -98.167+/-18.123 χ^2/NDF:43.3/32

Out: -101.794+/-17.801 χ^2/NDF:69.0/36

All: -100.013+/-12.700 χ^2/NDF: 112.3/69

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 80.228+/-0.015 χ^2/NDF:89112.5/17

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 81.783+/-0.015 χ^2/NDF:101565.6/16

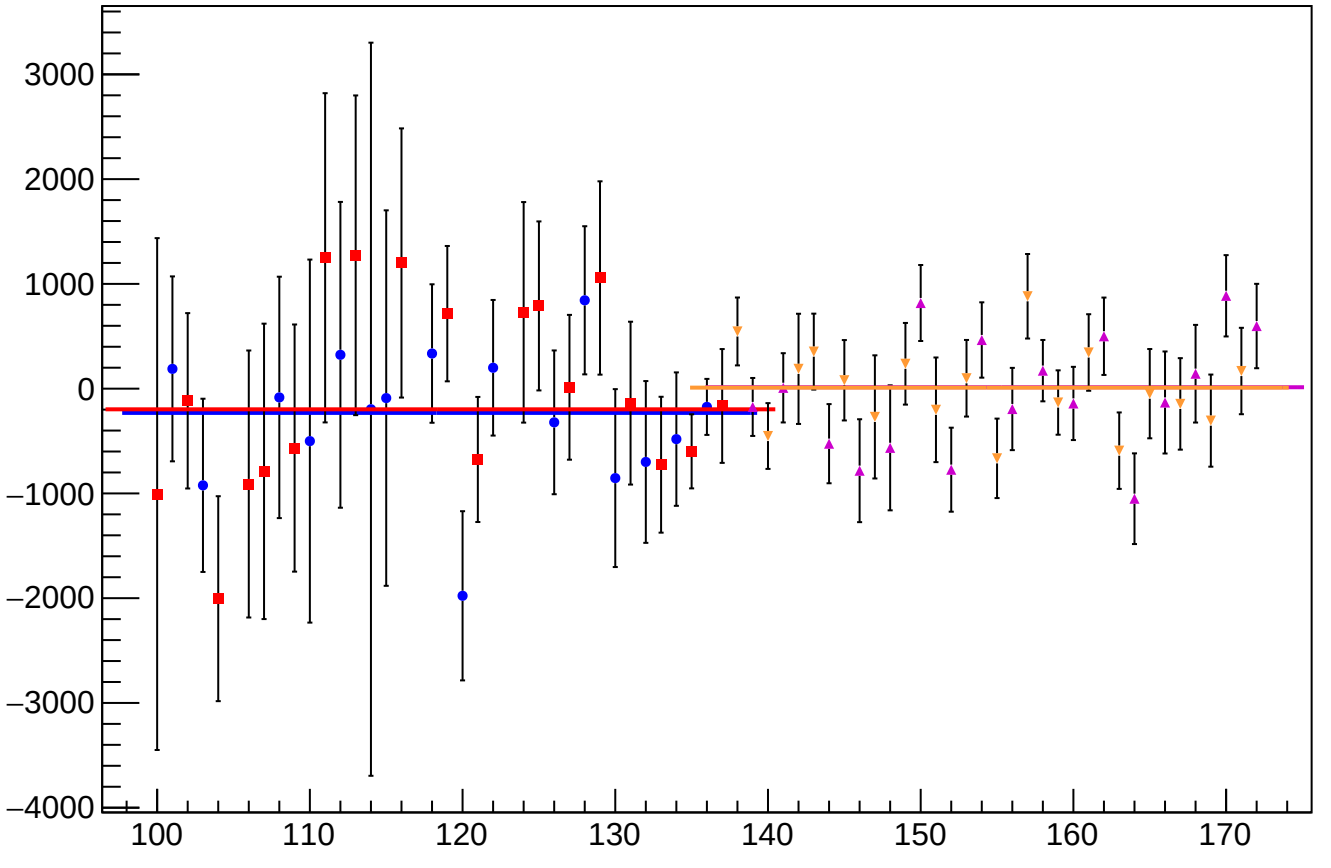
Left: 80.984+/-0.011 χ^2/NDF: 195865.8/34

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.373+/-0.013 χ^2/NDF:1140972.6/32

Out: 81.638+/-0.013 χ^2/NDF:1239933.8/36

All: 81.999+/-0.009 χ^2/NDF: 2382580.3/69



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 9.814+/-91.612 χ^2/NDF:19.2/17

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: 13.500+/-91.920 χ^2/NDF:32.3/16

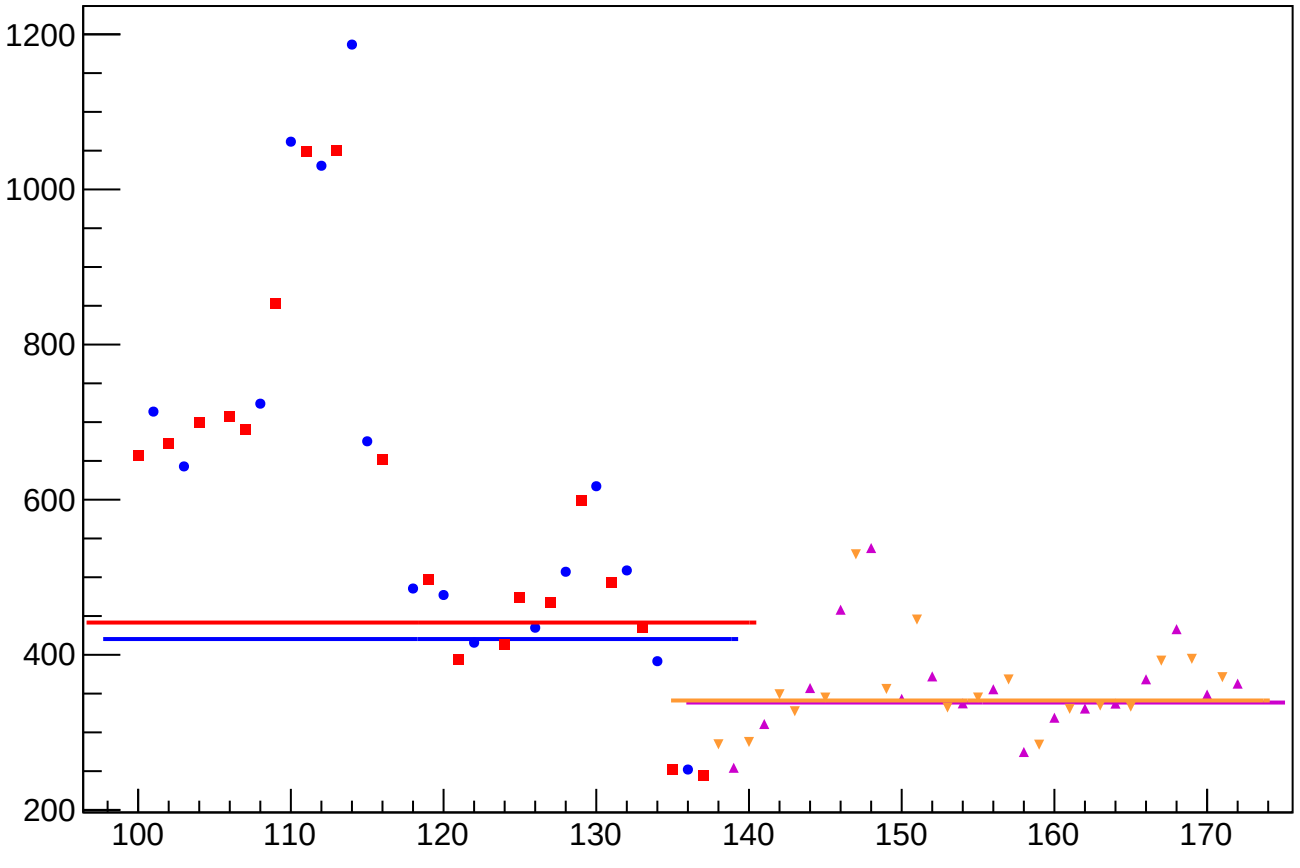
Left: 11.651+/-64.888 χ^2/NDF: 51.5/34

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -41.836+/-80.871 χ^2/NDF:44.3/32

Out: -34.283+/-81.271 χ^2/NDF:36.2/36

All: -38.078+/-57.325 χ^2/NDF: 80.5/69



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 341.115+/-0.065 χ^2/NDF:568643.9/17

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: 339.793+/-0.046 χ^2/NDF: 1333811.8/34

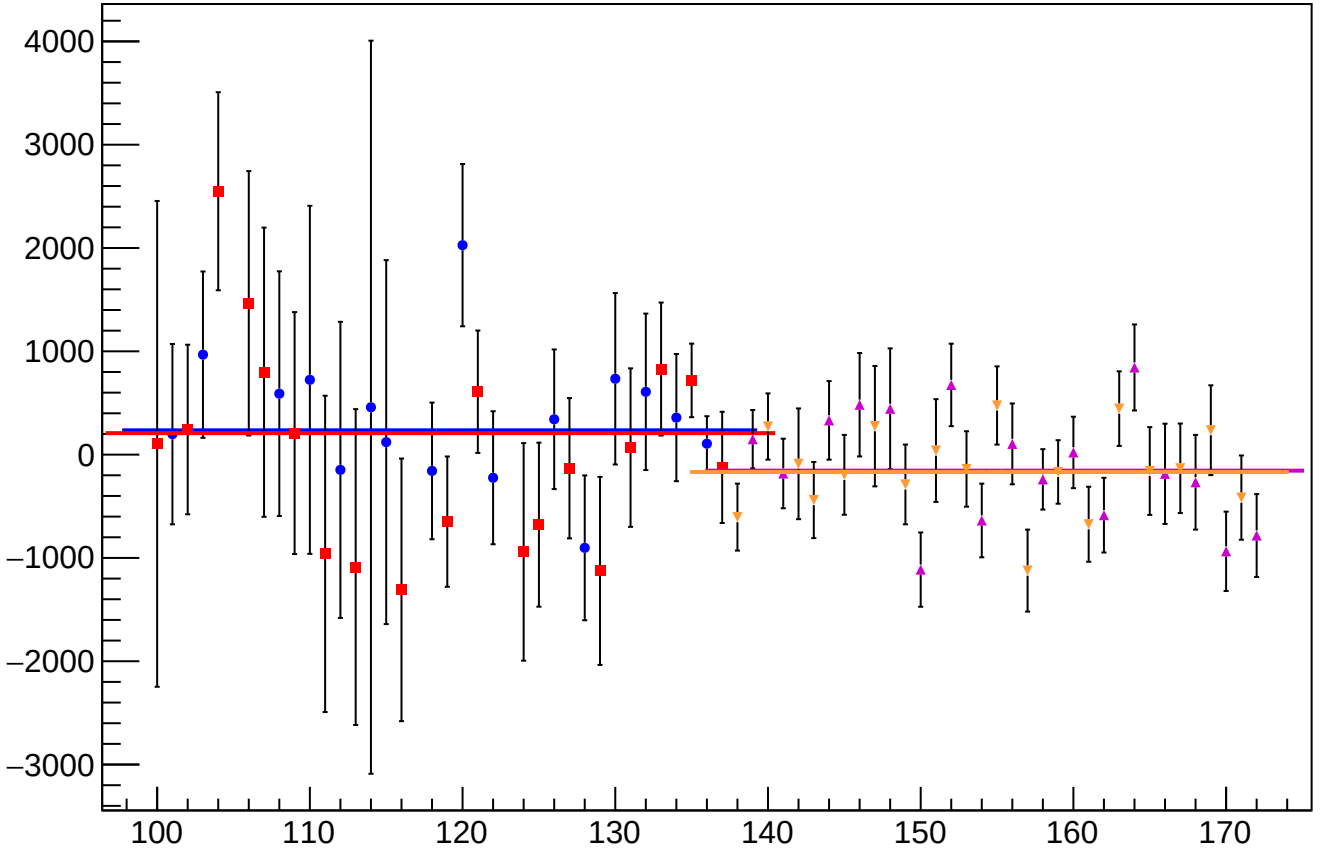
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 356.960+/-0.057 χ^2/NDF:3377401.0/32

Out: 362.519+/-0.057 χ^2/NDF:3388747.6/36

All: 359.726+/-0.041 χ^2/NDF: 6770849.5/69

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -168.387+/-91.540 χ^2/NDF:19.9/17

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: -161.699+/-64.762 χ^2/NDF: 53.2/34

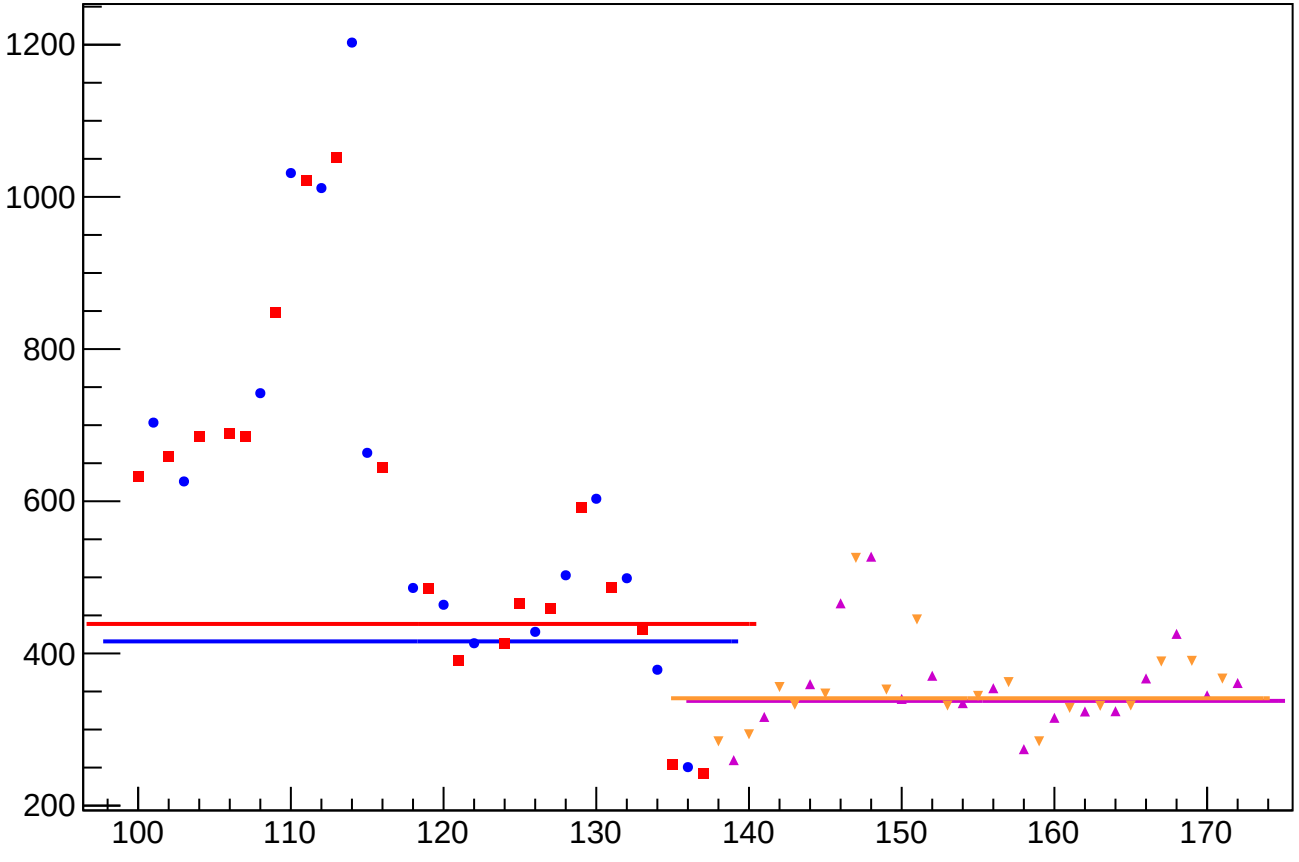
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: -65.726+/-80.467 χ^2/NDF:48.2/32

Out: -87.333+/-81.085 χ^2/NDF:43.9/36

All: -76.447+/-57.116 χ^2/NDF: 92.1/69

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 341.102+/-0.065 χ^2/NDF:535257.3/17

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 337.656+/-0.065 χ^2/NDF:721636.4/16

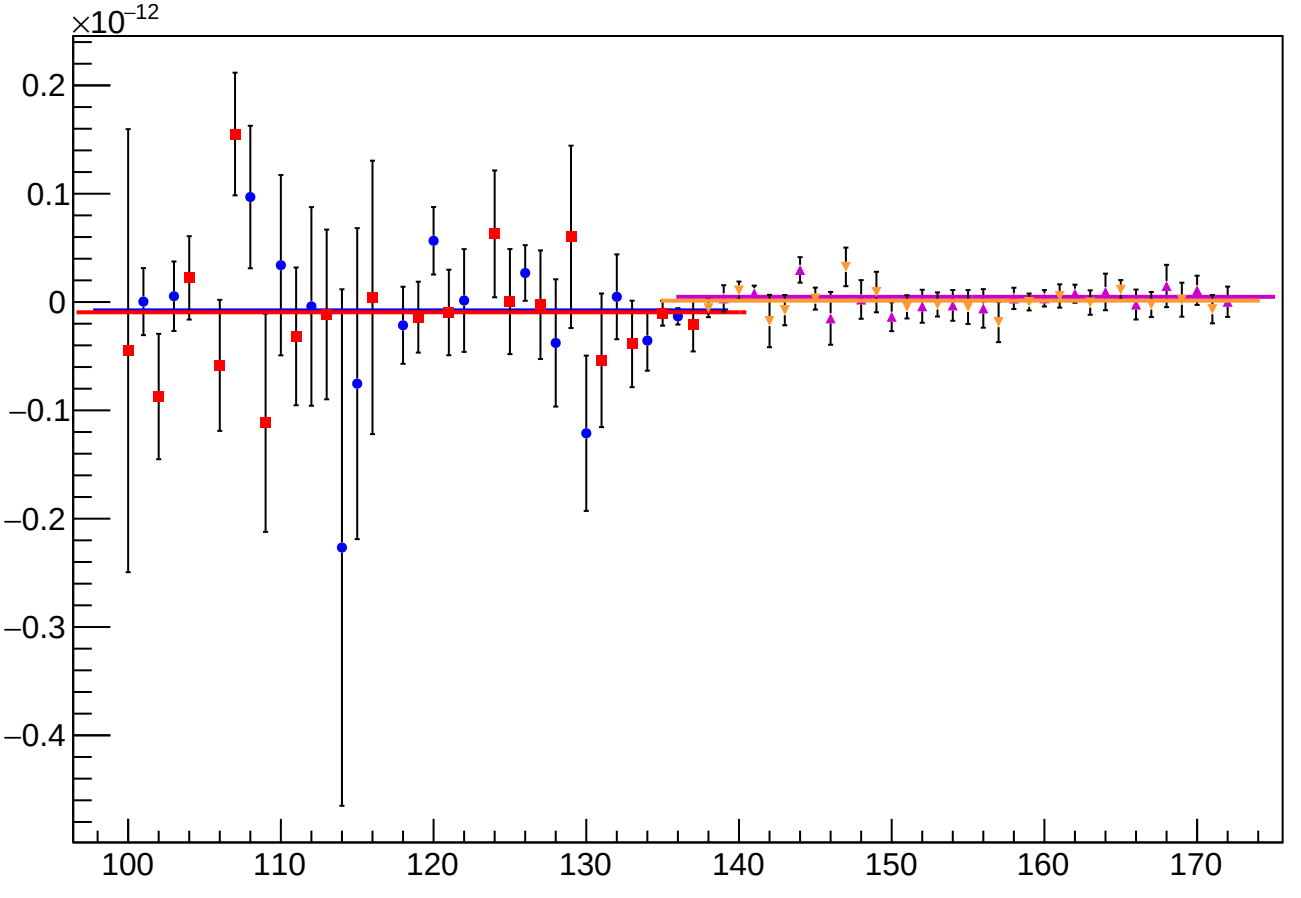
Left: 339.381+/-0.046 χ^2/NDF: 1258309.7/34

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 355.550+/-0.057 χ^2/NDF:3278812.9/32

Out: 362.139+/-0.057 χ^2/NDF:3260433.6/36

All: 358.819+/-0.040 χ^2/NDF: 6545900.2/69



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.9/17

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:9.3/16

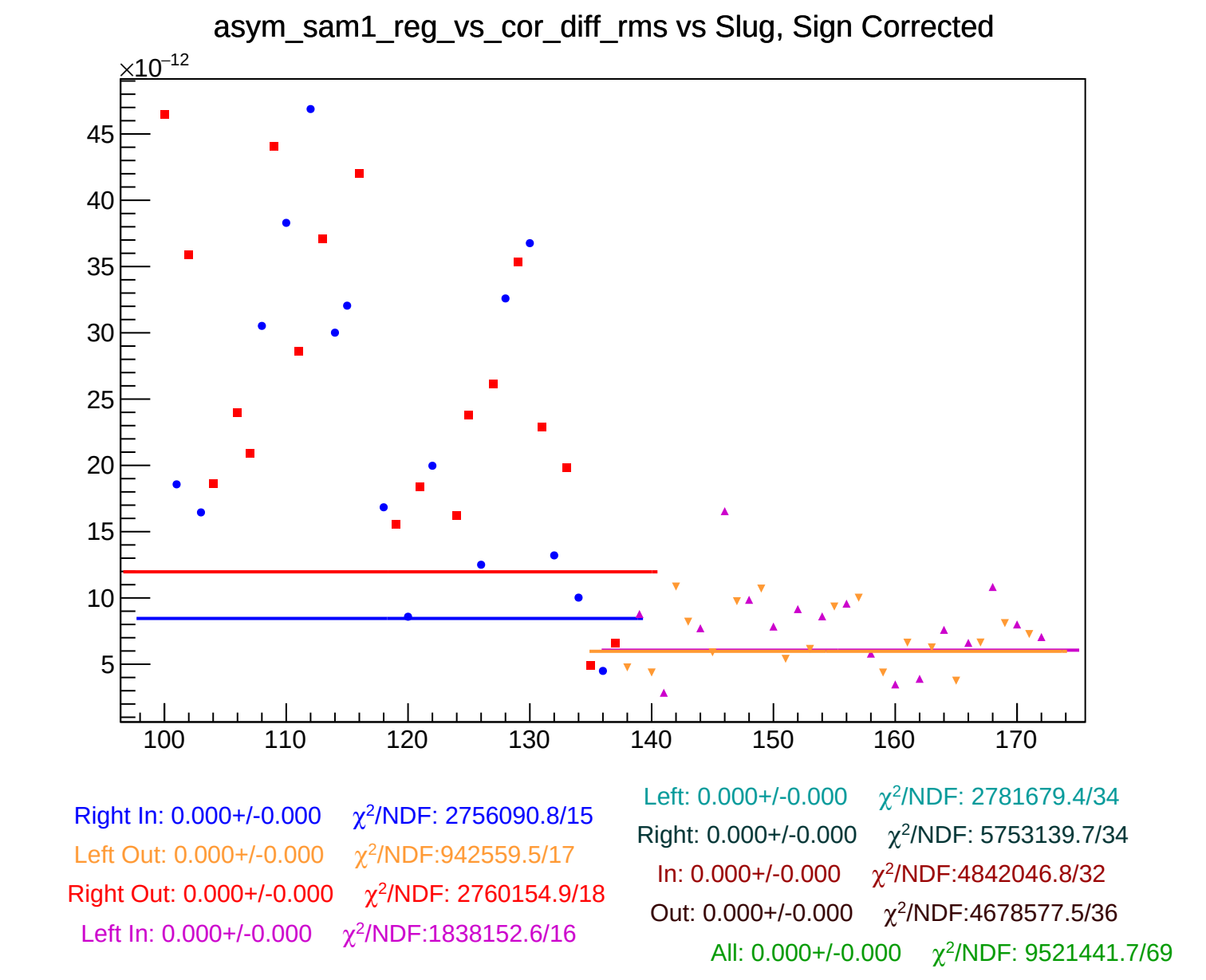
Left: 0.000+/-0.000 χ^2/NDF: 20.0/34

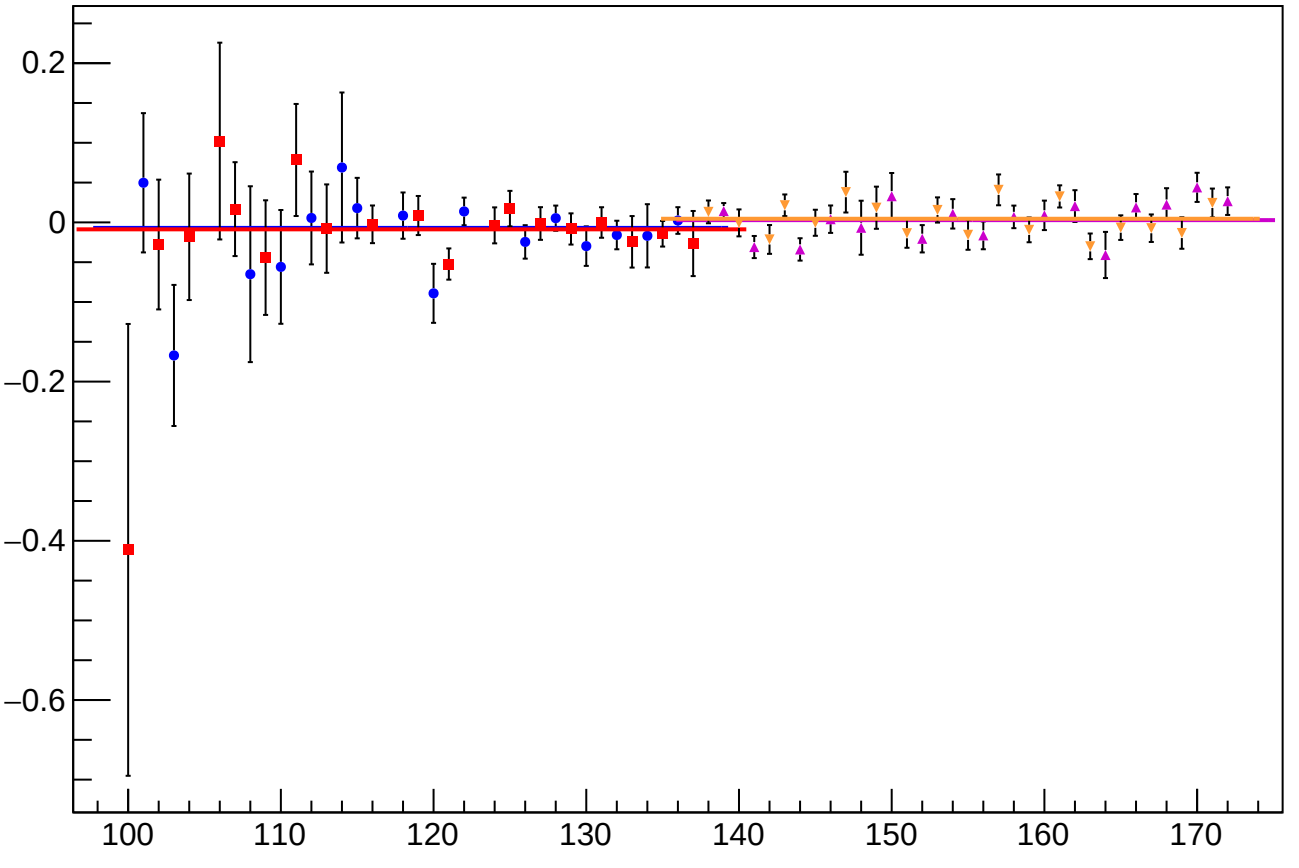
Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:27.5/32

Out: 0.000+/-0.000 χ^2/NDF:27.8/36

All: 0.000+/-0.000 χ^2/NDF: 55.7/69


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:942559.5/17
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: 2781679.4/34
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:4678577.5/36
All: 0.000+/-0.000 χ²/NDF: 9521441.7/69



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:24.8/17

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.004 χ^2/NDF:30.5/16

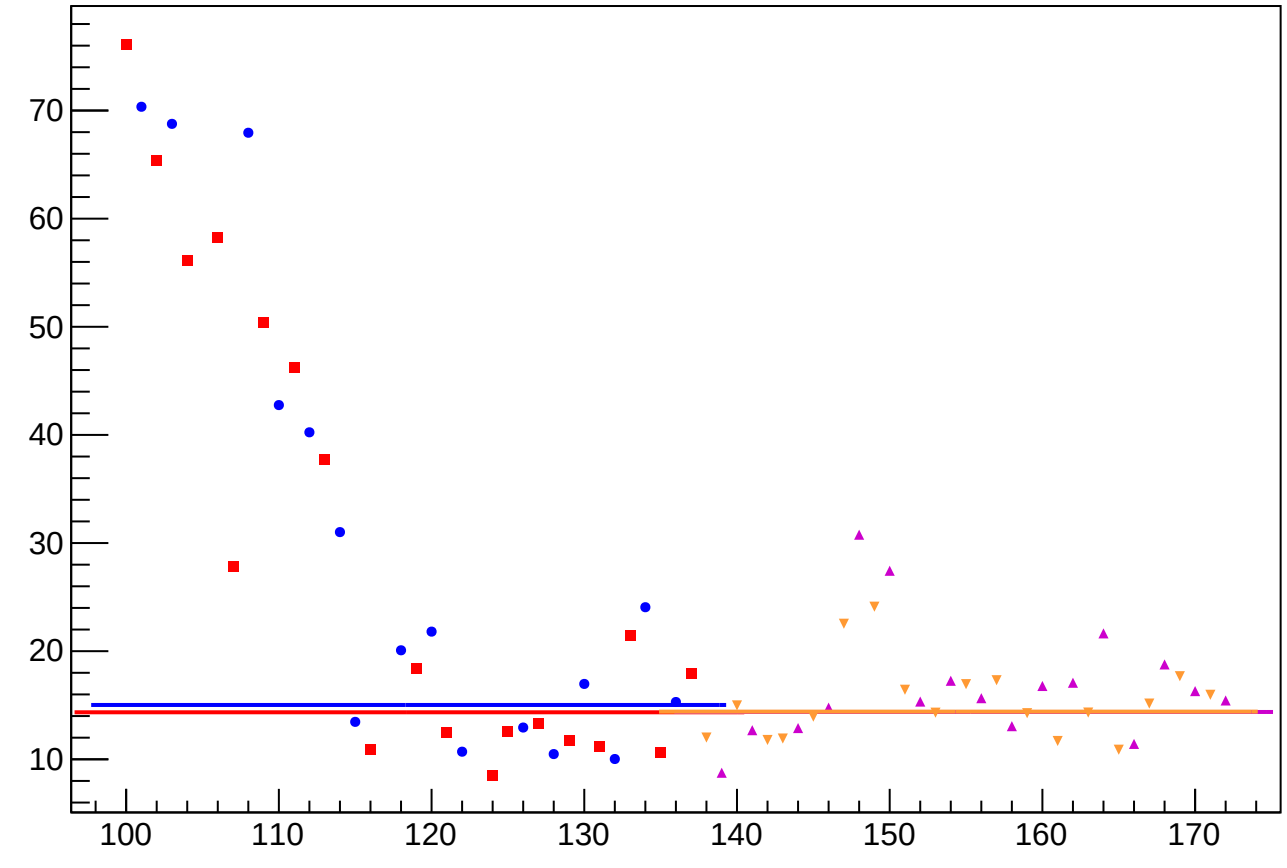
Left: 0.004+/-0.003 χ^2/NDF: 55.4/34

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:40.5/36

All: 0.001+/-0.002 χ^2/NDF: 87.5/69



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.408+/-0.003 χ^2/NDF:998914.2/17

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: 14.393+/-0.002 χ^2/NDF: 3010124.6/34

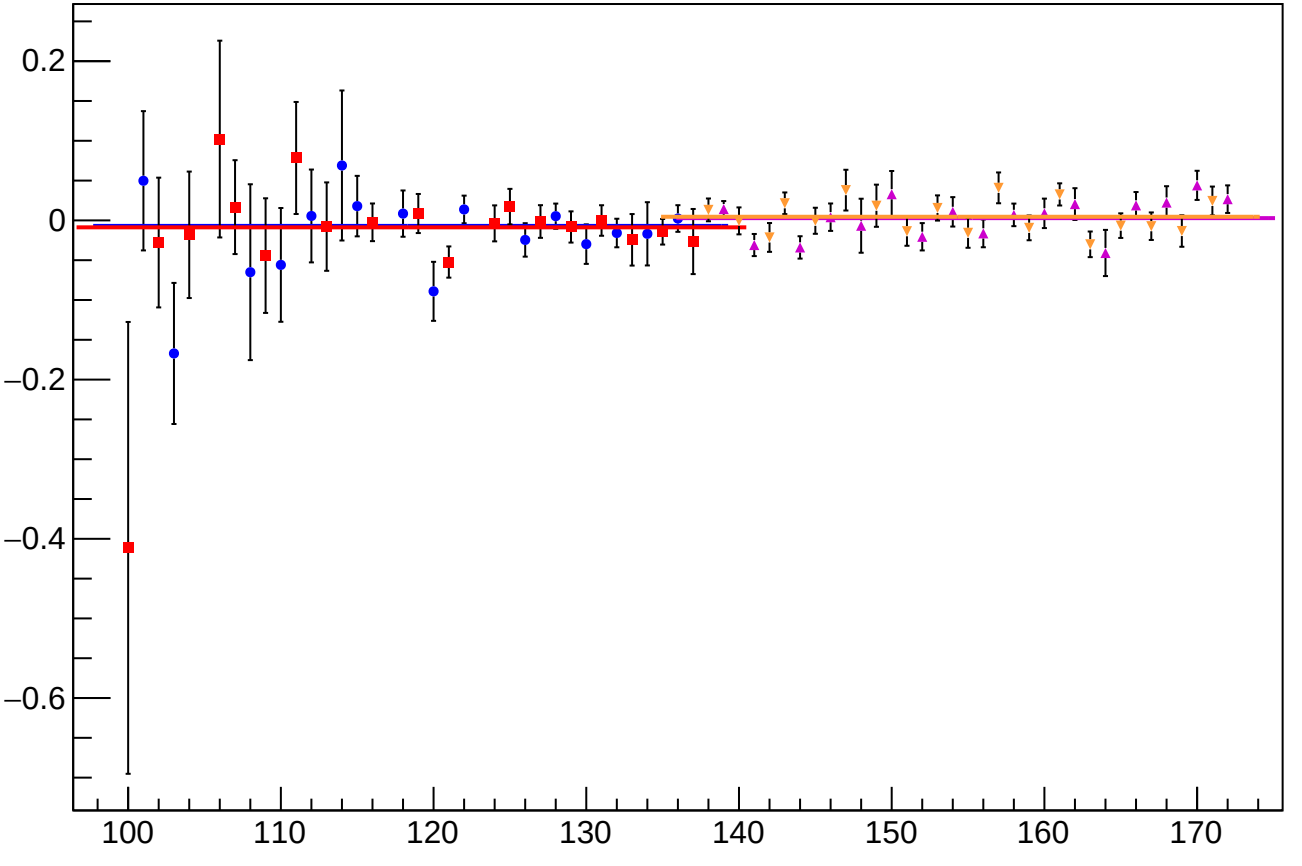
Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.554+/-0.002 χ^2/NDF:5462913.8/32

Out: 14.391+/-0.002 χ^2/NDF:4628055.3/36

All: 14.470+/-0.002 χ^2/NDF: 10093181.9/69

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:24.8/17

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.004 χ^2/NDF:30.5/16

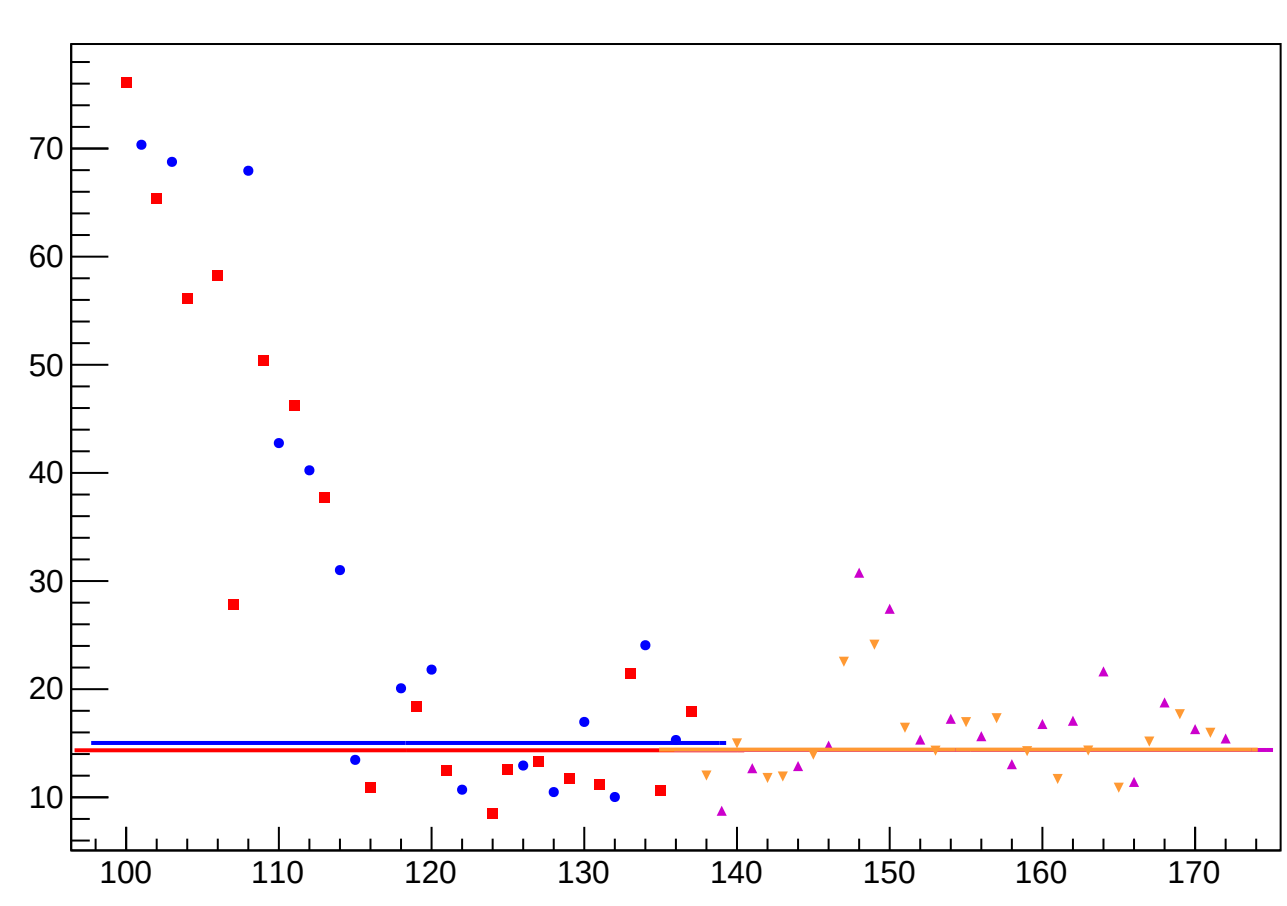
Left: 0.004+/-0.003 χ^2/NDF: 55.4/34

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:40.5/36

All: 0.001+/-0.002 χ^2/NDF: 87.5/69



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.408+/-0.003 χ^2/NDF:998914.2/17

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.377+/-0.003 χ^2/NDF:2011152.7/16

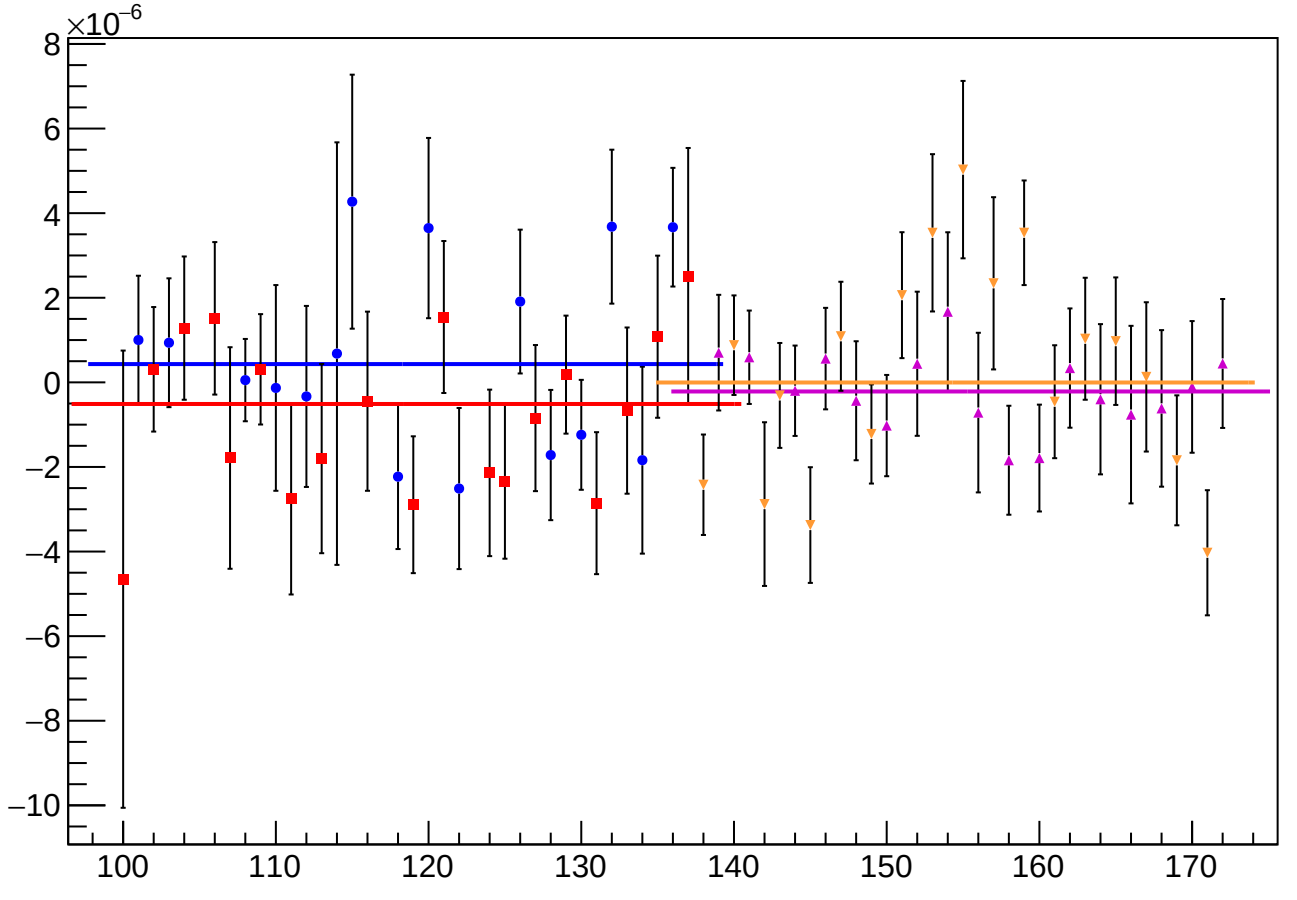
Left: 14.393+/-0.002 χ^2/NDF: 3010124.6/34

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.554+/-0.002 χ^2/NDF:5462913.8/32

Out: 14.391+/-0.002 χ^2/NDF:4628055.3/36

All: 14.470+/-0.002 χ^2/NDF: 10093181.9/69



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:45.6/17

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.7/16

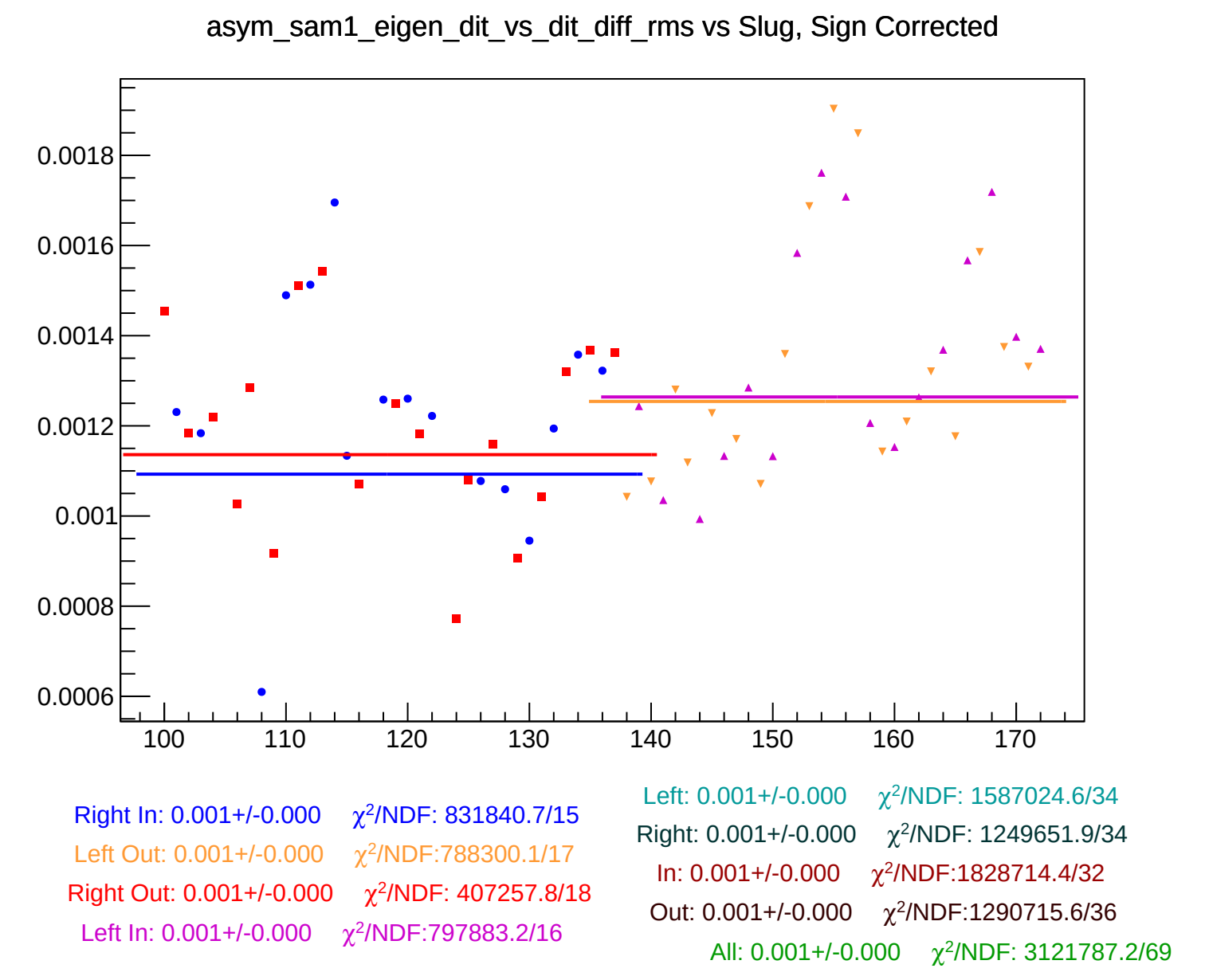
Left: -0.000+/-0.000 χ^2/NDF: 52.5/34

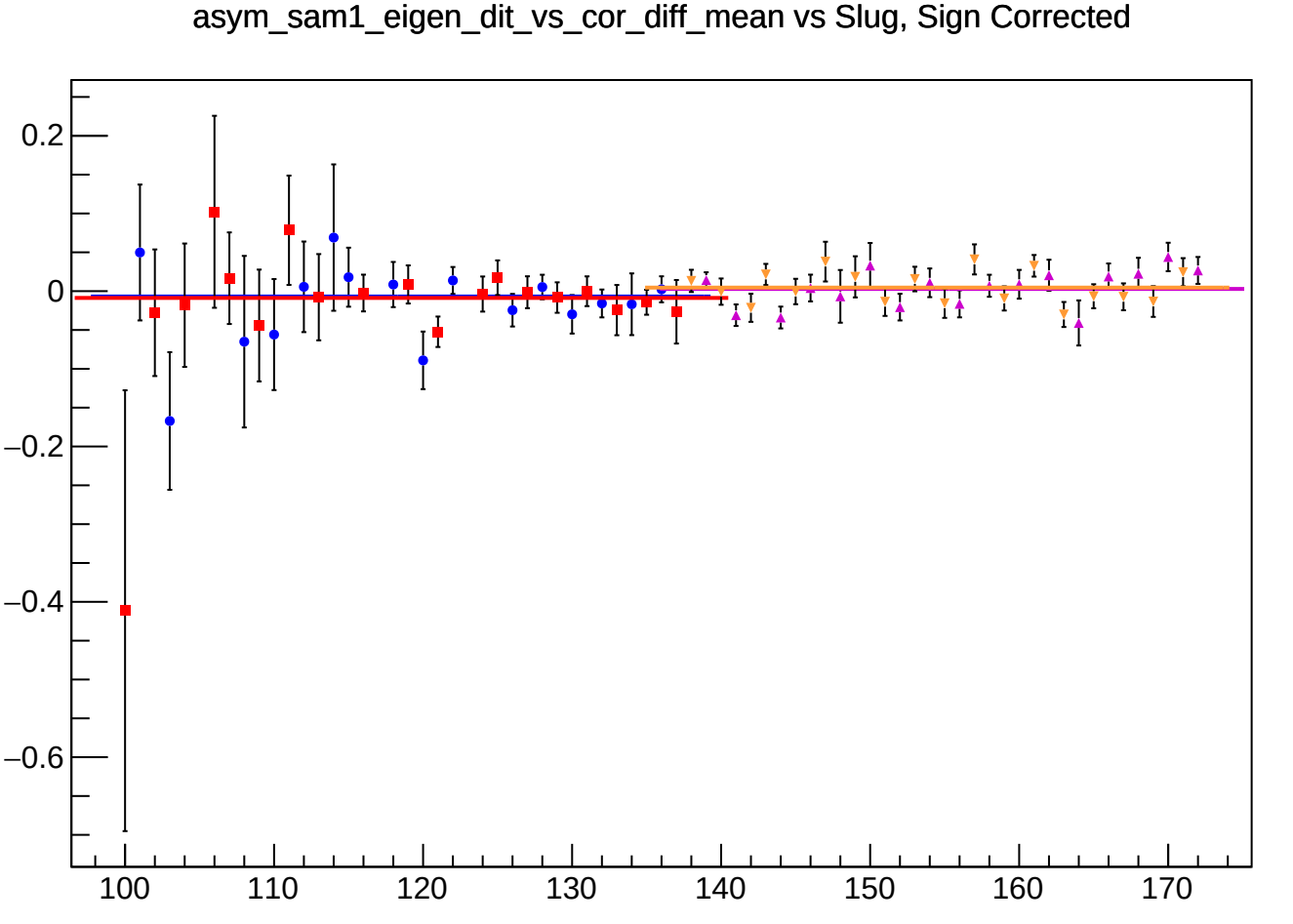
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:31.4/32

Out: -0.000+/-0.000 χ^2/NDF:60.8/36

All: -0.000+/-0.000 χ^2/NDF: 92.6/69


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:788300.1/17
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: 1587024.6/34
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:1290715.6/36
All: 0.001+/-0.000 χ²/NDF: 3121787.2/69



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:24.8/17

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: 55.4/34

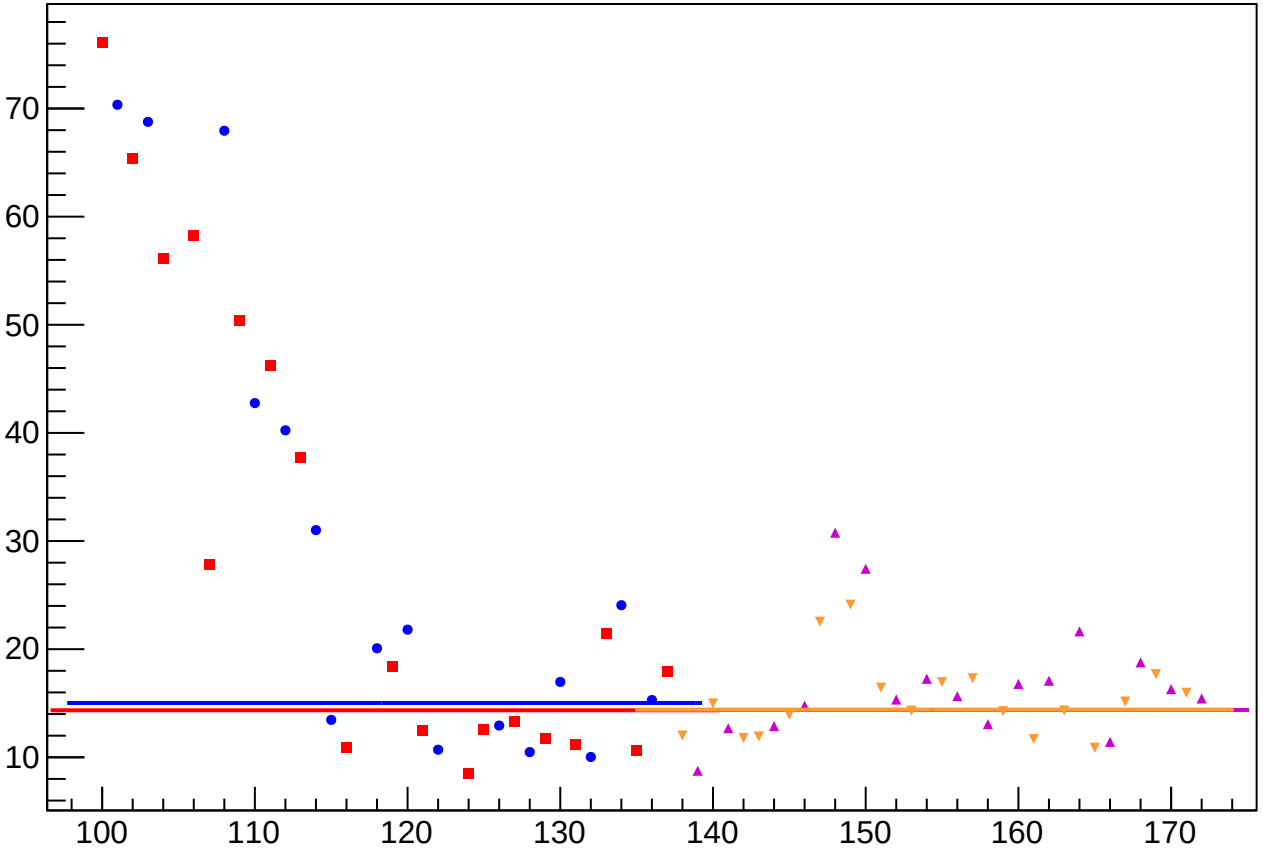
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.000+/-0.004 χ^2/NDF:47.0/32

Out: 0.001+/-0.003 χ^2/NDF:40.5/36

All: 0.001+/-0.002 χ^2/NDF: 87.5/69

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: 14.408+/-0.003 χ^2/NDF:998978.3/17

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.377+/-0.003 χ^2/NDF:2011216.8/16

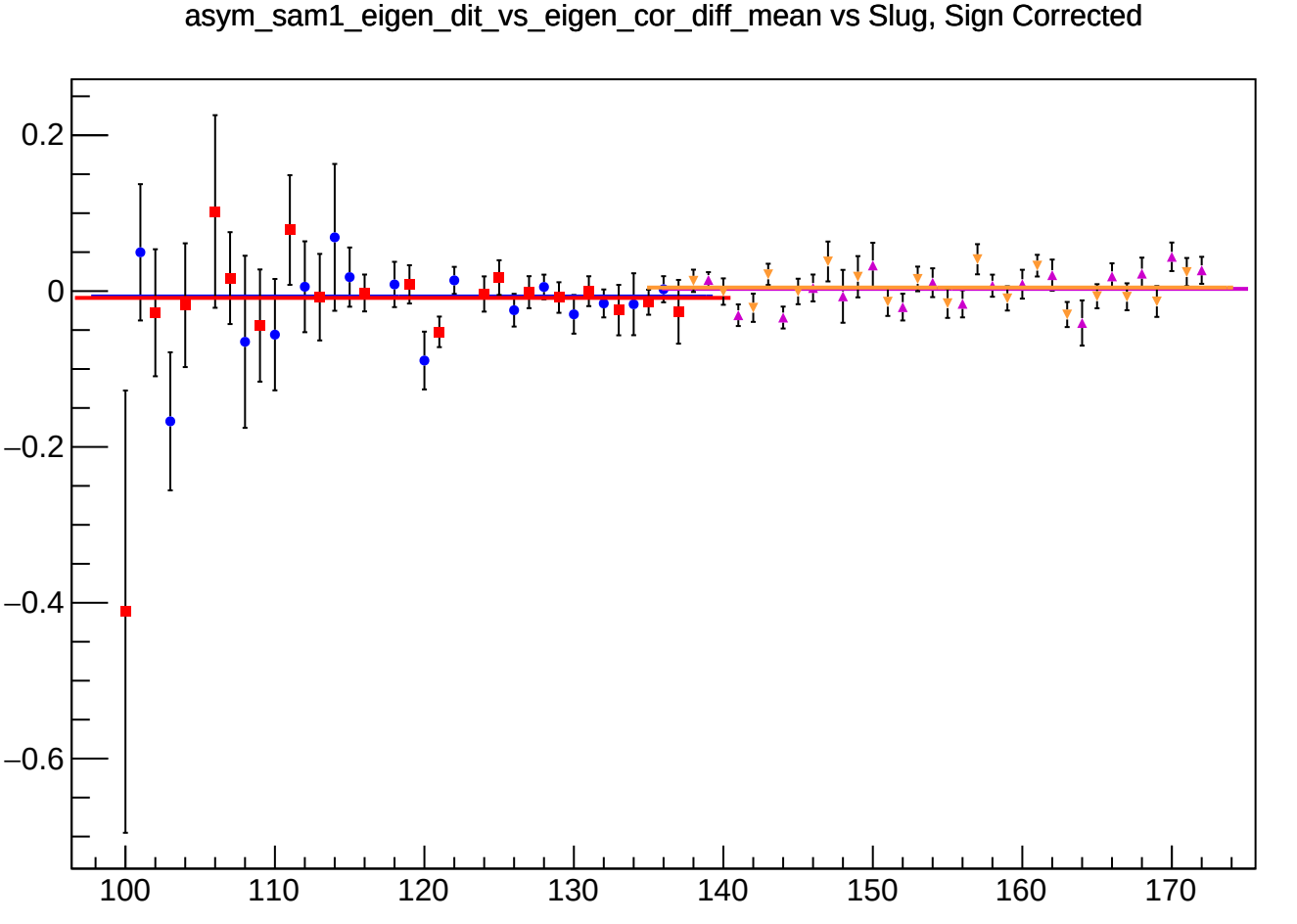
Left: 14.393+/-0.002 χ^2/NDF: 3010252.8/34

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

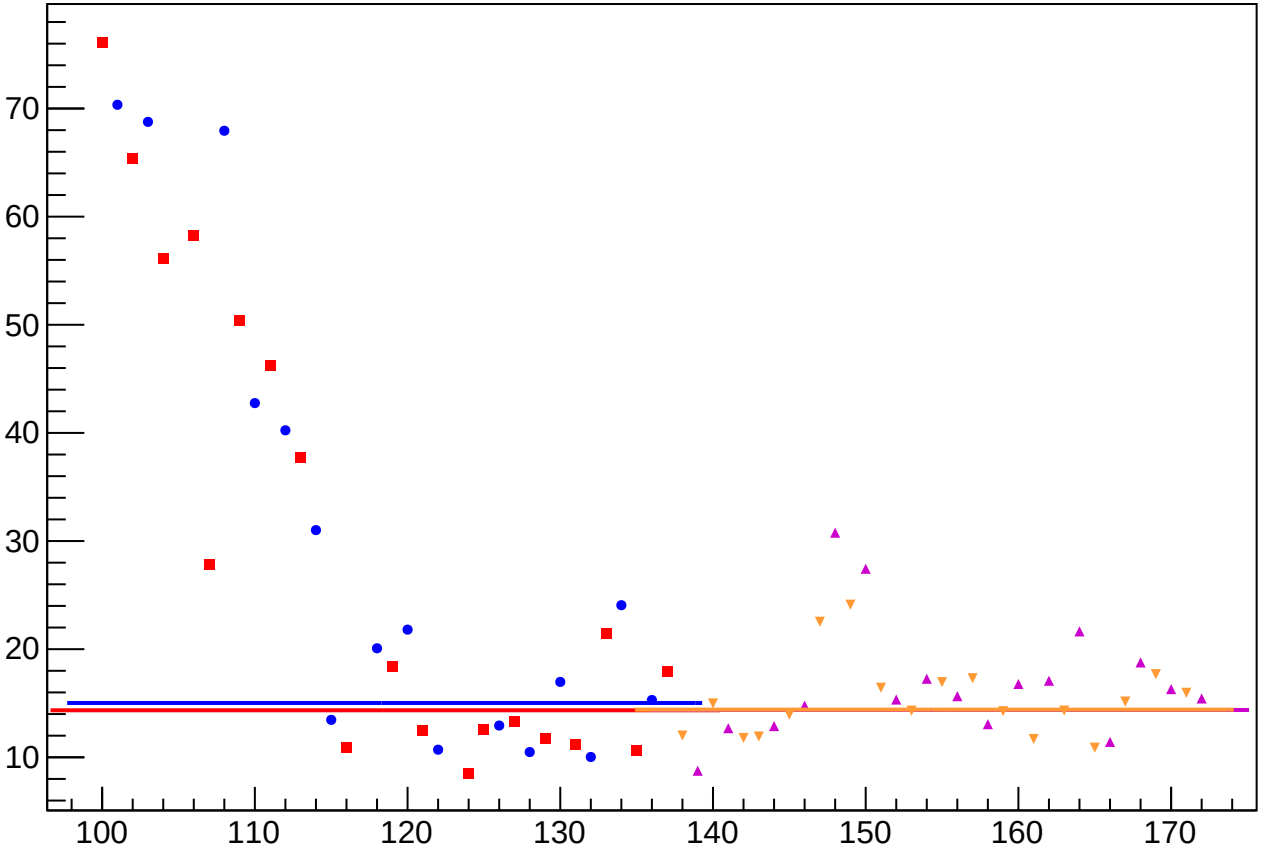
In: 14.553+/-0.002 χ^2/NDF:5462992.9/32

Out: 14.391+/-0.002 χ^2/NDF:4628109.5/36

All: 14.469+/-0.002 χ^2/NDF: 10093314.6/69


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:24.8/17
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: 55.4/34
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:40.5/36
All: 0.001+/-0.002 χ²/NDF: 87.5/69

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: 14.408+/-0.003 χ^2/NDF:998978.3/17

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.377+/-0.003 χ^2/NDF:2011216.8/16

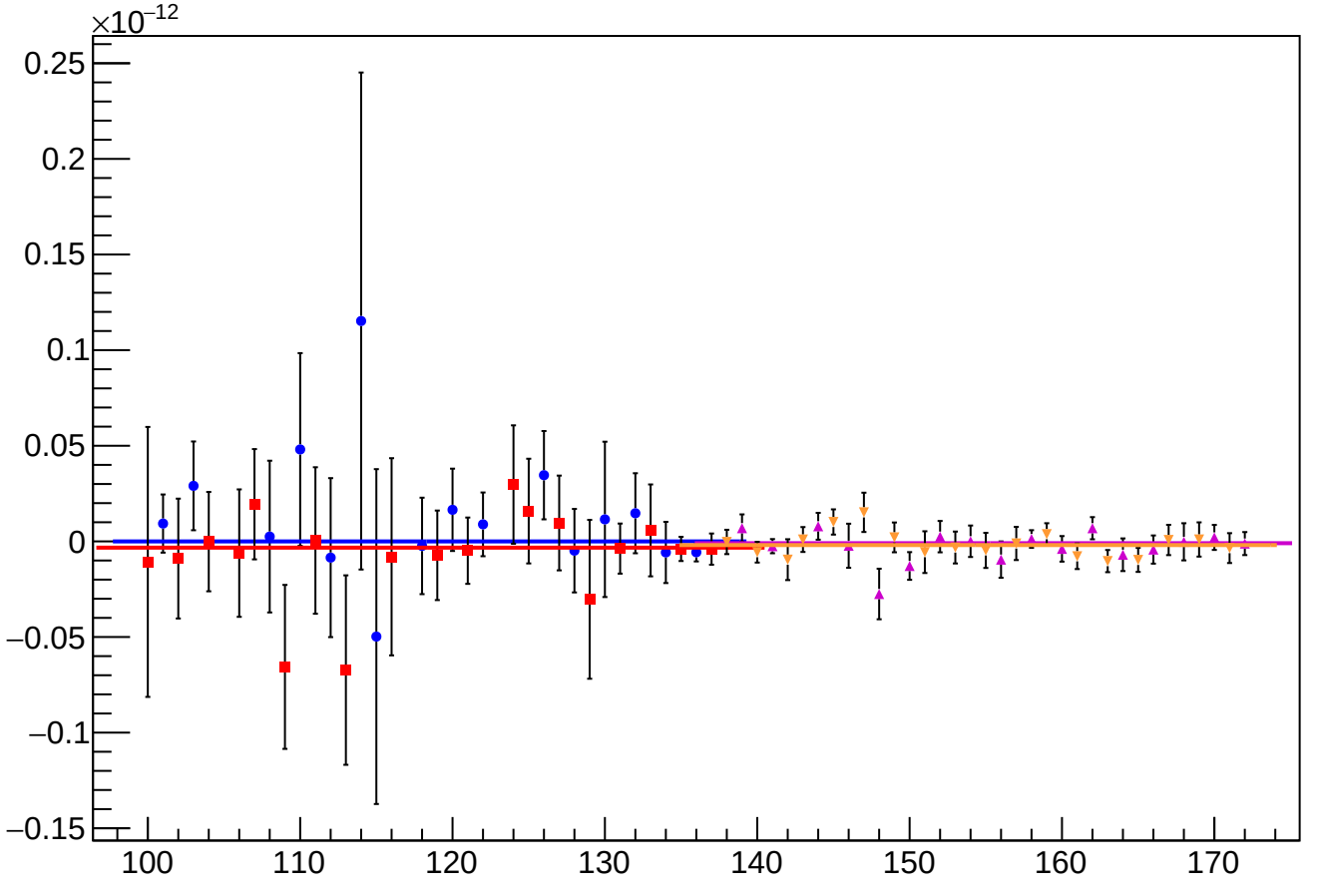
Left: 14.393+/-0.002 χ^2/NDF: 3010252.8/34

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.553+/-0.002 χ^2/NDF:5462992.9/32

Out: 14.391+/-0.002 χ^2/NDF:4628109.5/36

All: 14.469+/-0.002 χ^2/NDF: 10093314.6/69



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.5/17

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.9/16

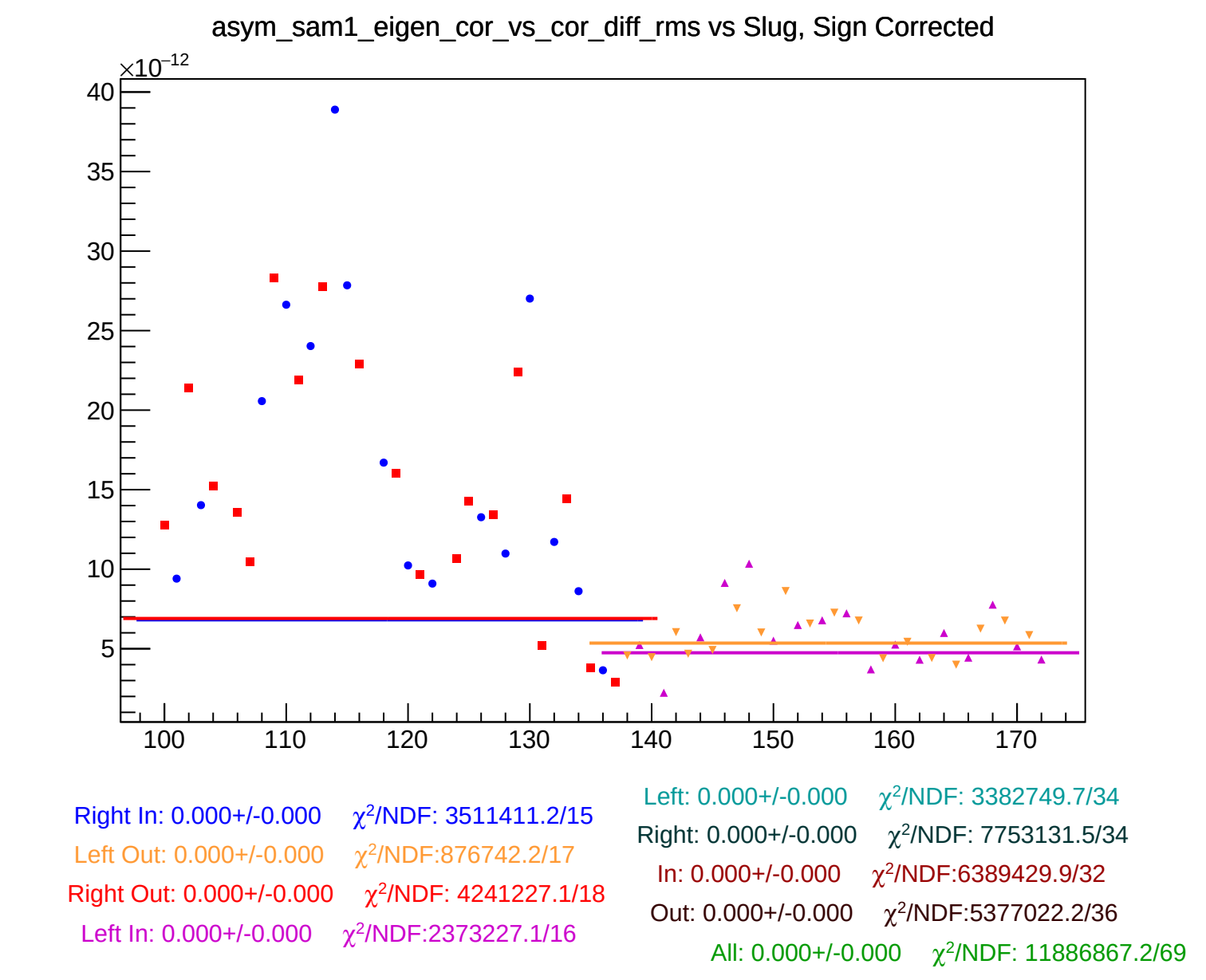
Left: -0.000+/-0.000 χ^2/NDF: 27.6/34

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

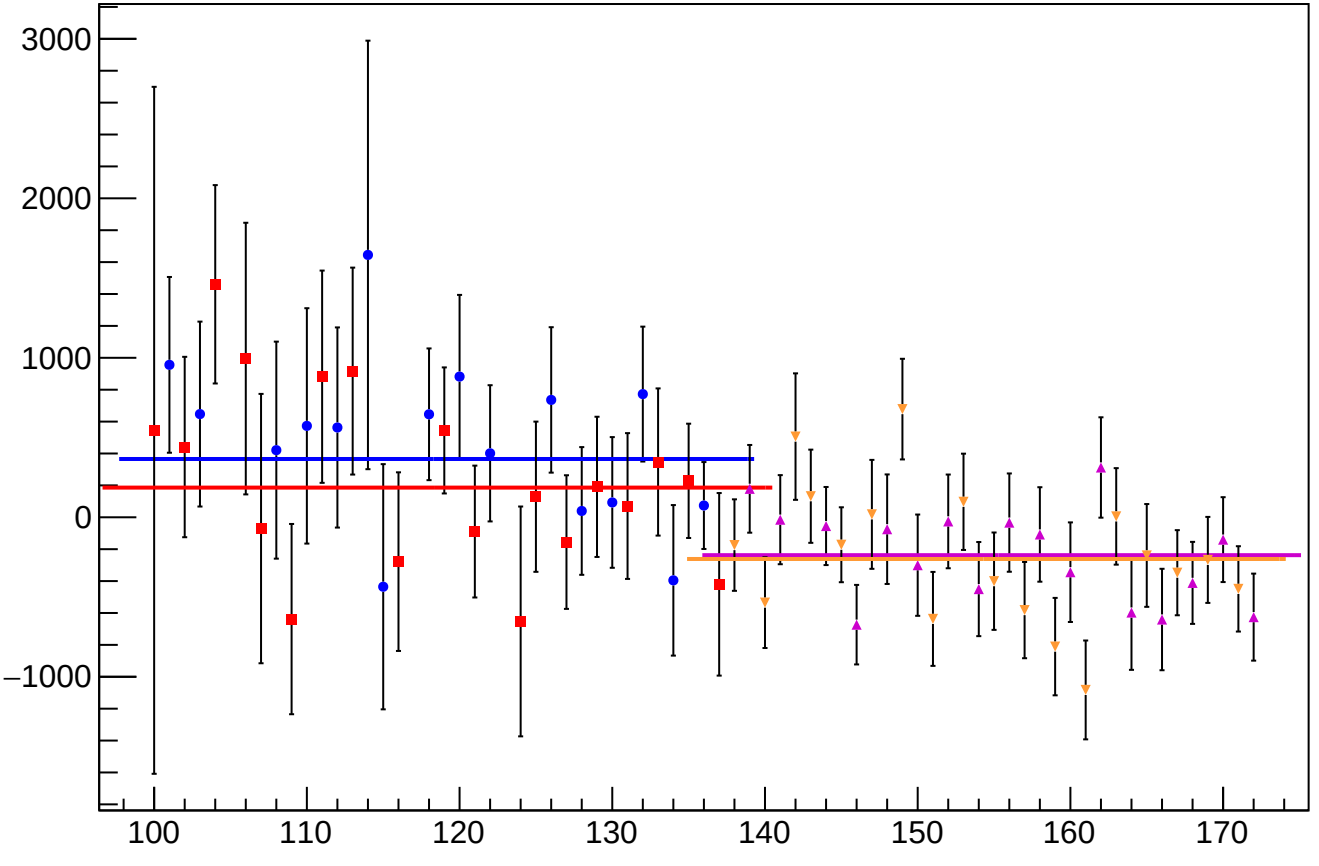
In: -0.000+/-0.000 χ^2/NDF:23.3/32

Out: -0.000+/-0.000 χ^2/NDF:20.6/36

All: -0.000+/-0.000 χ^2/NDF: 44.3/69


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:876742.2/17
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: 3382749.7/34
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:5377022.2/36
All: 0.000+/-0.000 χ²/NDF: 11886867.2/69

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -261.410+/-69.507 χ^2/NDF:32.3/17

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: -249.574+/-49.396 χ^2/NDF: 49.2/34

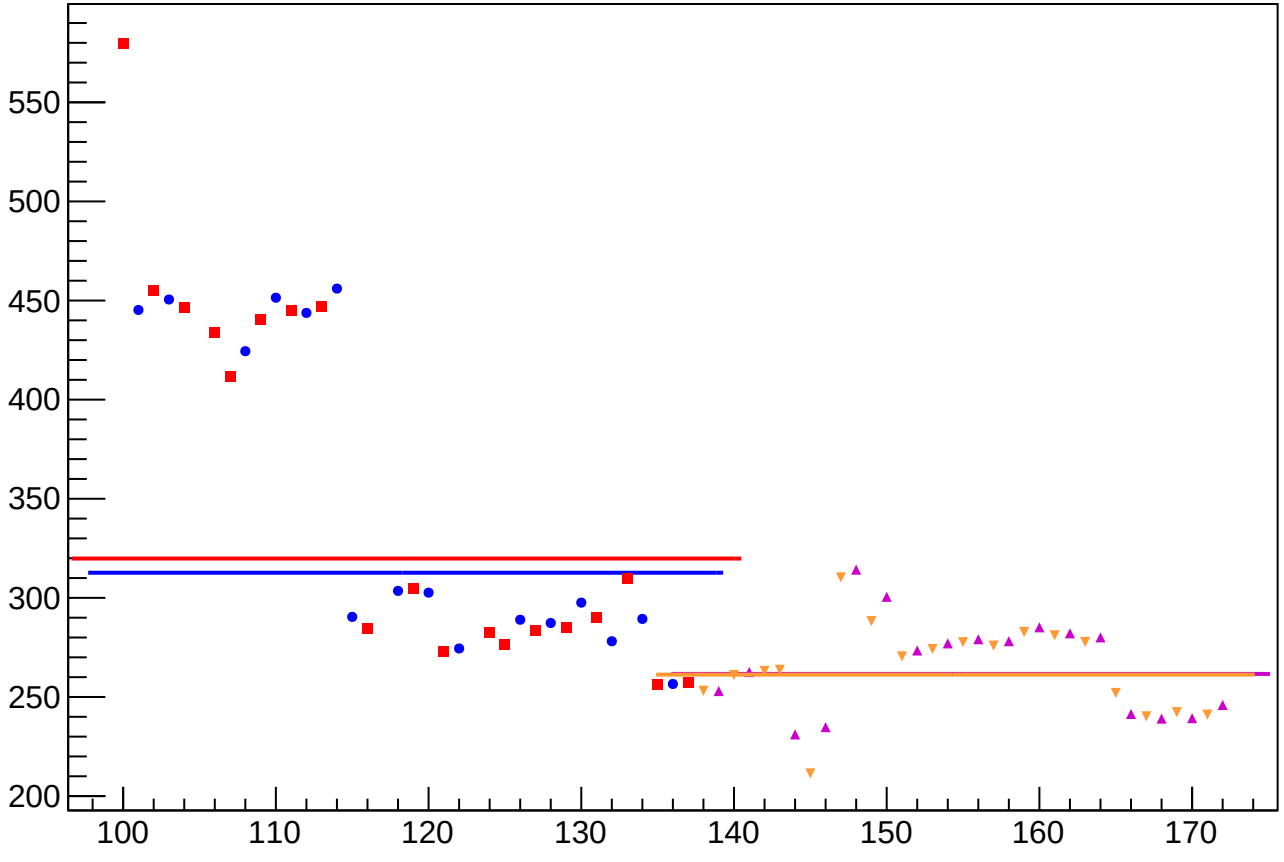
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: -81.534+/-60.454 χ^2/NDF:47.4/32

Out: -149.240+/-60.170 χ^2/NDF:57.7/36

All: -115.546+/-42.646 χ^2/NDF: 105.7/69

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 261.278+/-0.049 χ^2/NDF:223195.7/17

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 261.642+/-0.050 χ^2/NDF:223778.5/16

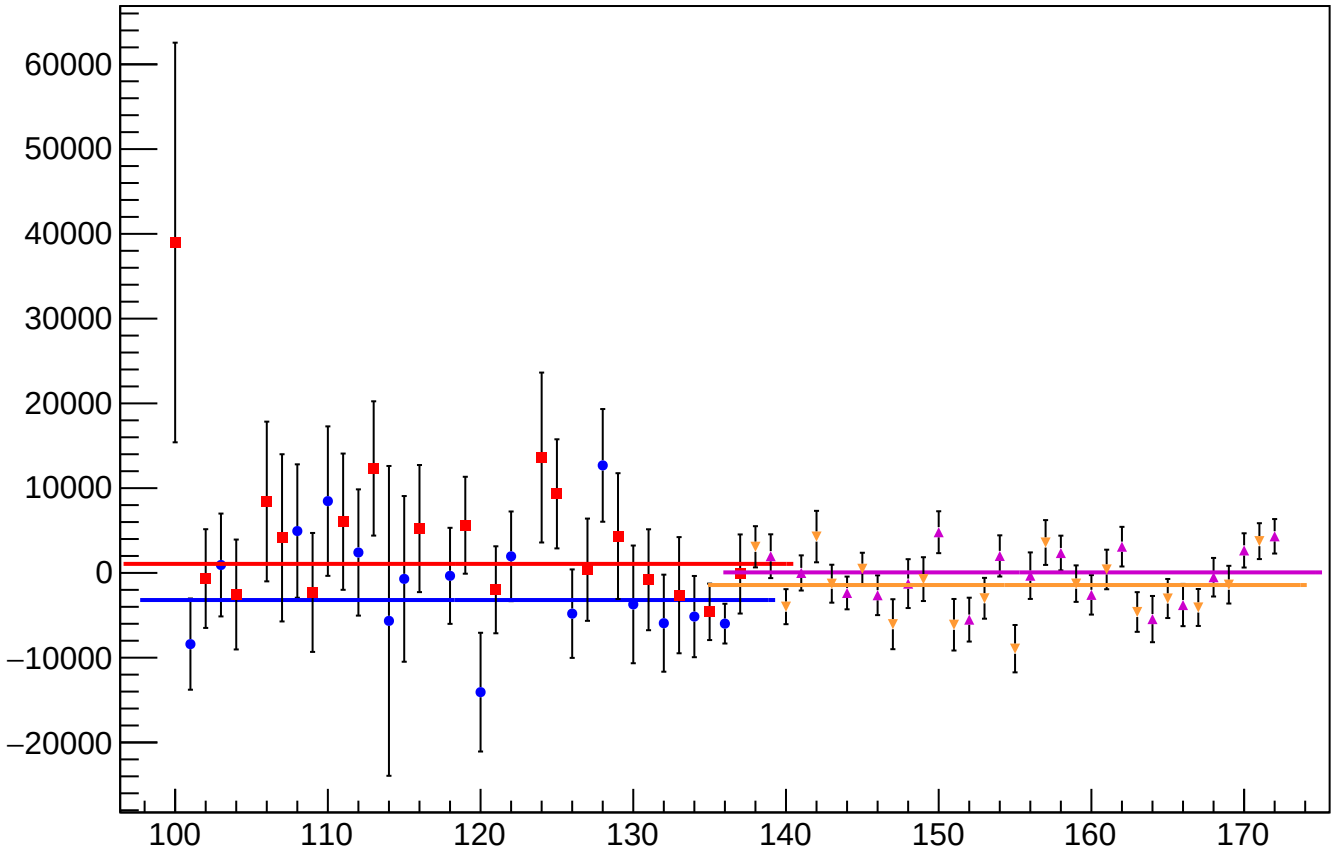
Left: 261.458+/-0.035 χ^2/NDF: 447001.3/34

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 274.843+/-0.043 χ^2/NDF:1099346.7/32

Out: 275.956+/-0.043 χ^2/NDF:1276903.5/36

All: 275.402+/-0.030 χ^2/NDF: 2376591.0/69



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1428.777+/-557.922 χ^2/NDF:36.1/17

Right Out: 1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: 61.793+/-563.600 χ^2/NDF:29.4/16

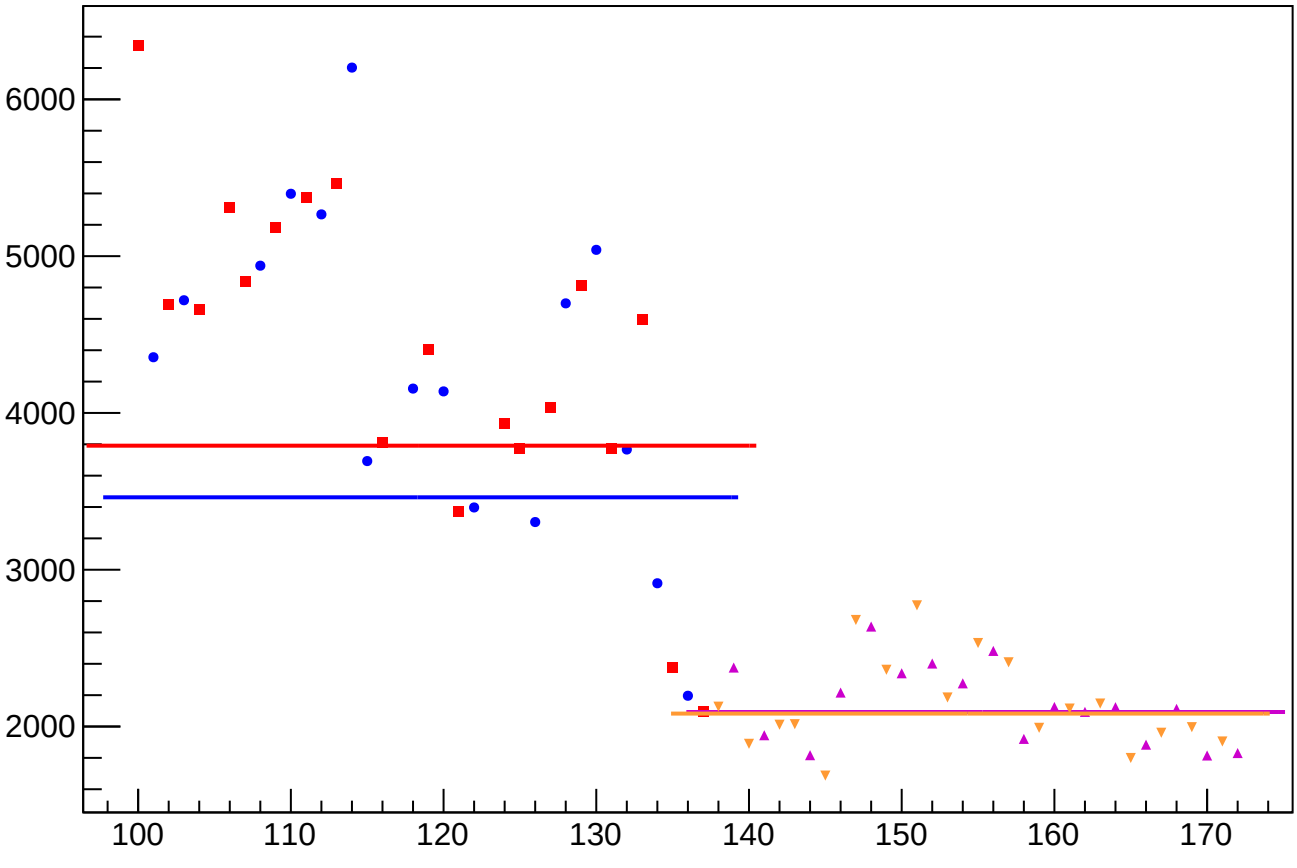
Left: -691.038+/-396.503 χ^2/NDF: 69.0/34

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -419.822+/-520.313 χ^2/NDF:50.4/32

Out: -1104.468+/-520.395 χ^2/NDF:53.1/36

All: -762.091+/-367.946 χ^2/NDF: 104.4/69



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2082.481+/-0.395 χ^2/NDF:461911.0/17

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: 2087.501+/-0.280 χ^2/NDF: 814028.0/34

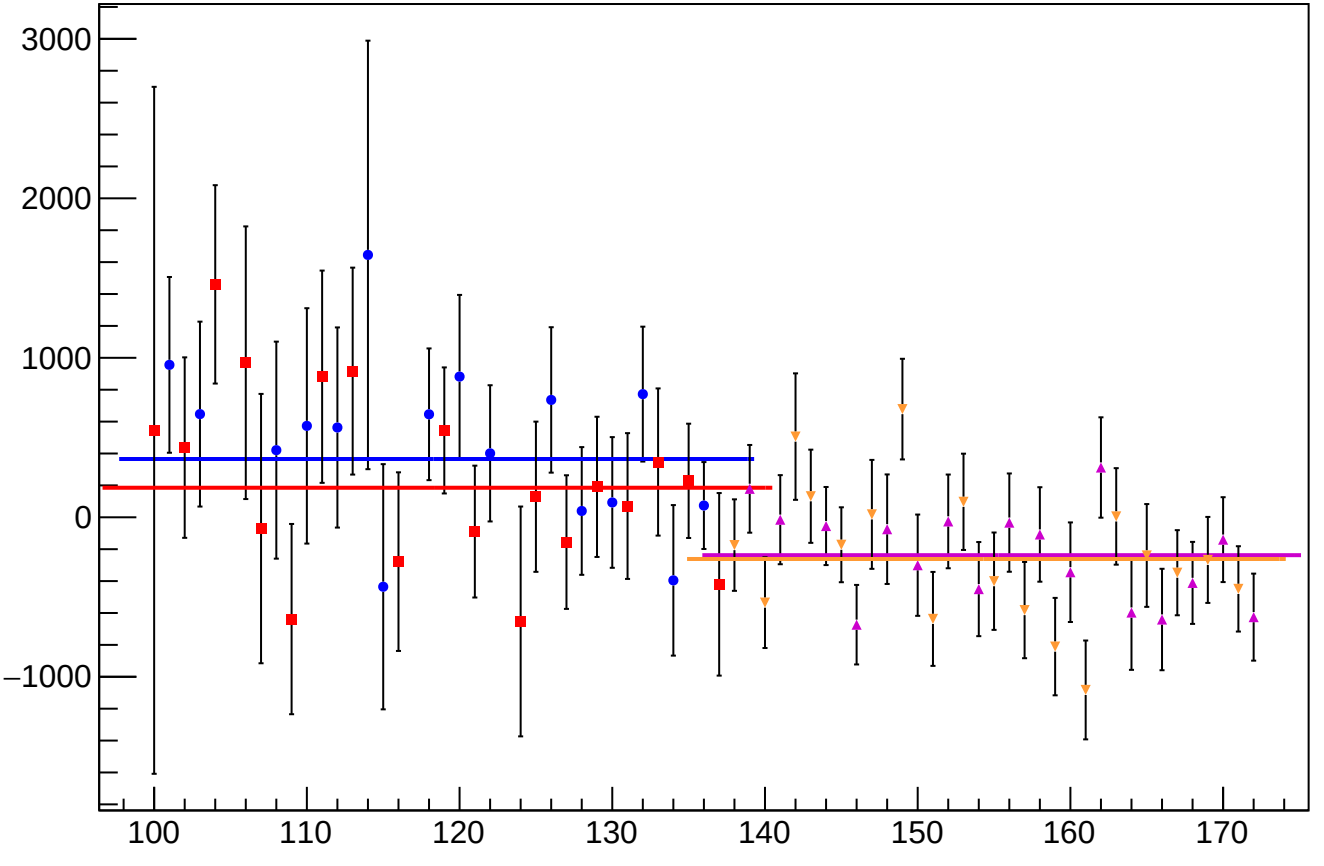
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2294.884+/-0.368 χ^2/NDF:3405178.2/32

Out: 2304.612+/-0.368 χ^2/NDF:4056411.3/36

All: 2299.748+/-0.260 χ^2/NDF: 7461939.0/69

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -261.405+/-69.507 χ^2/NDF:32.3/17

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: -249.574+/-49.396 χ^2/NDF: 49.2/34

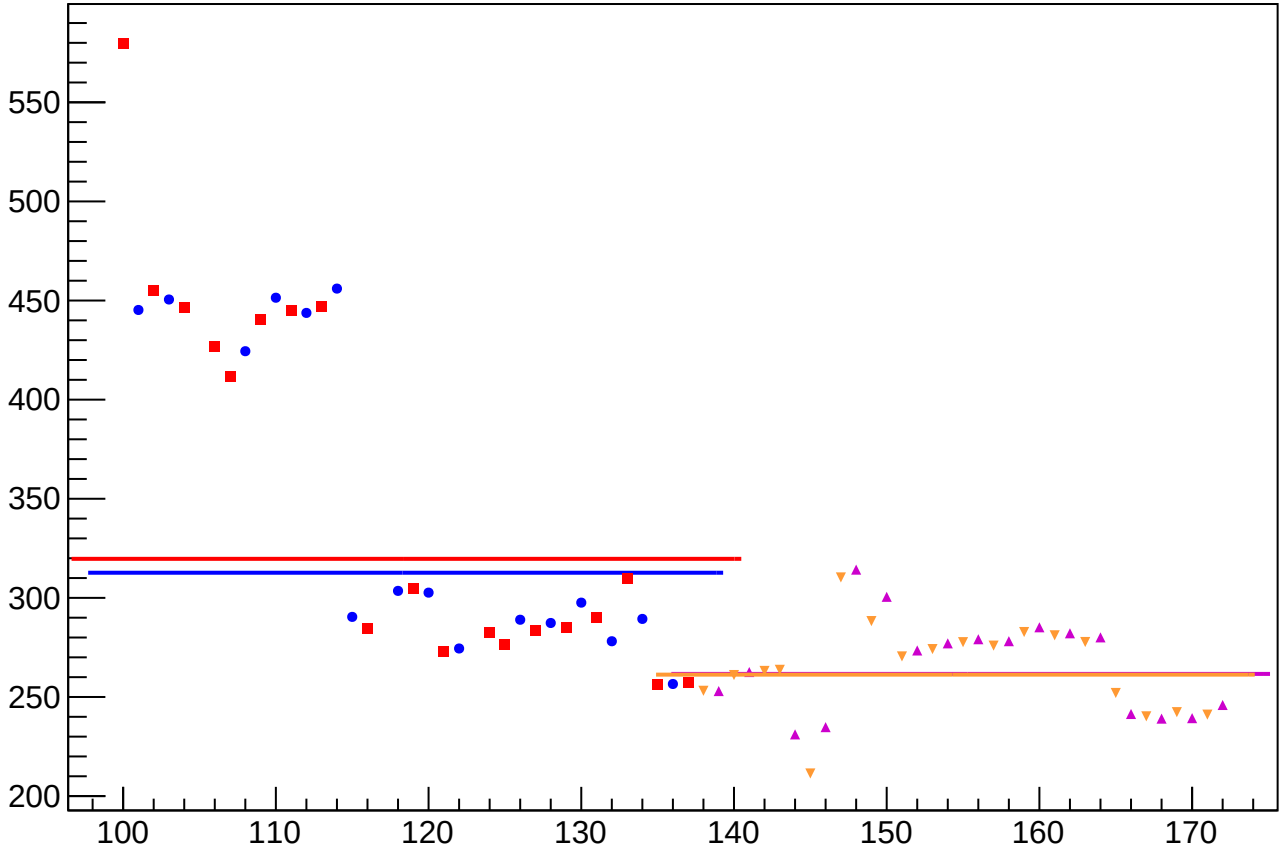
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -81.542+/-60.454 χ^2/NDF:47.4/32

Out: -149.454+/-60.171 χ^2/NDF:57.6/36

All: -115.657+/-42.647 χ^2/NDF: 105.6/69

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 261.278+/-0.049 χ^2/NDF:223195.7/17

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 261.642+/-0.050 χ^2/NDF:223778.5/16

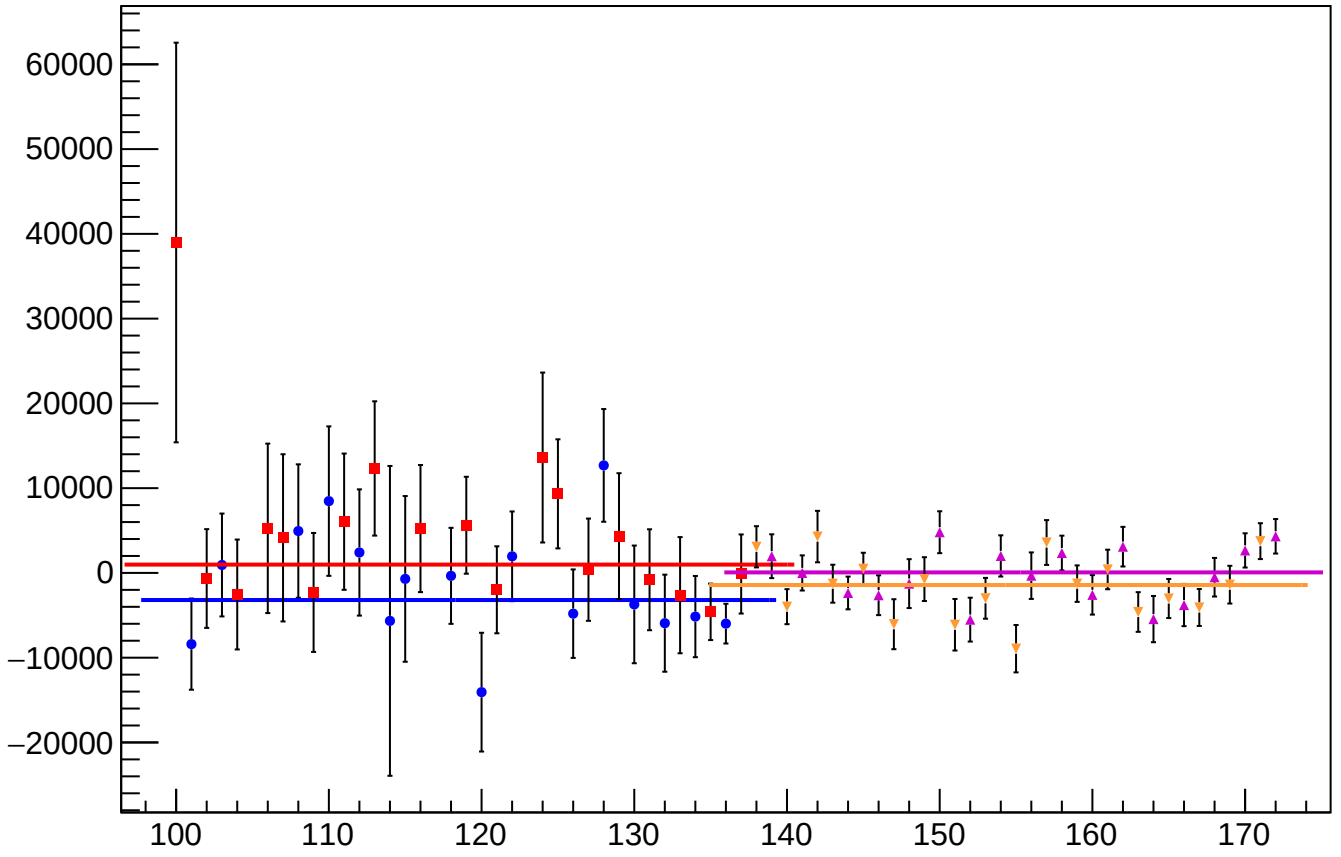
Left: 261.458+/-0.035 χ^2/NDF: 447001.3/34

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 274.843+/-0.043 χ^2/NDF:1099348.3/32

Out: 275.917+/-0.043 χ^2/NDF:1270892.4/36

All: 275.382+/-0.030 χ^2/NDF: 2370557.9/69



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1428.770+/-557.922 χ^2/NDF:36.1/17

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: 61.798+/-563.600 χ^2/NDF:29.4/16

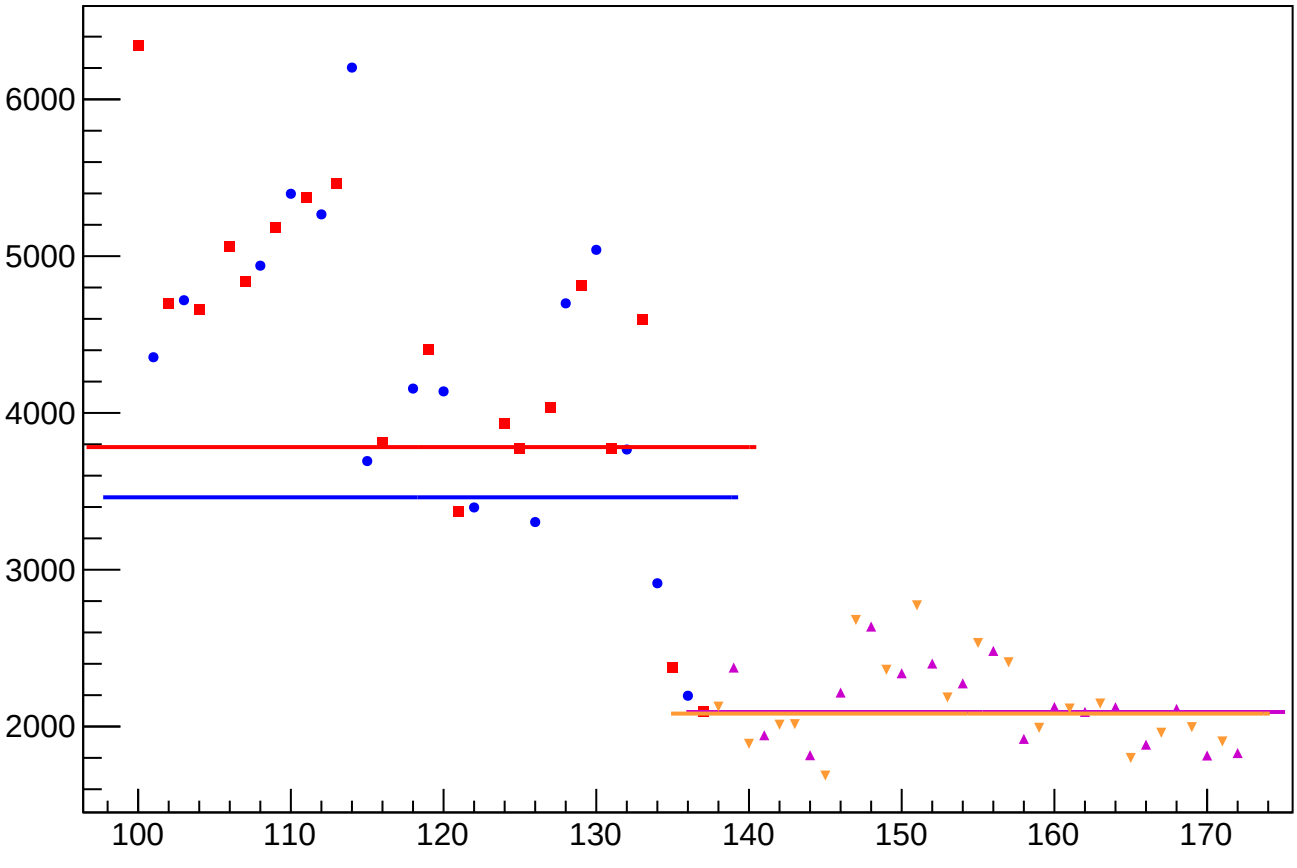
Left: -691.032+/-396.503 χ^2/NDF: 69.0/34

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -419.806+/-520.313 χ^2/NDF:50.4/32

Out: -1116.243+/-520.486 χ^2/NDF:52.5/36

All: -767.909+/-367.978 χ^2/NDF: 103.8/69



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2082.481+/-0.395 χ^2/NDF:461911.1/17

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: 2087.502+/-0.280 χ^2/NDF: 814029.0/34

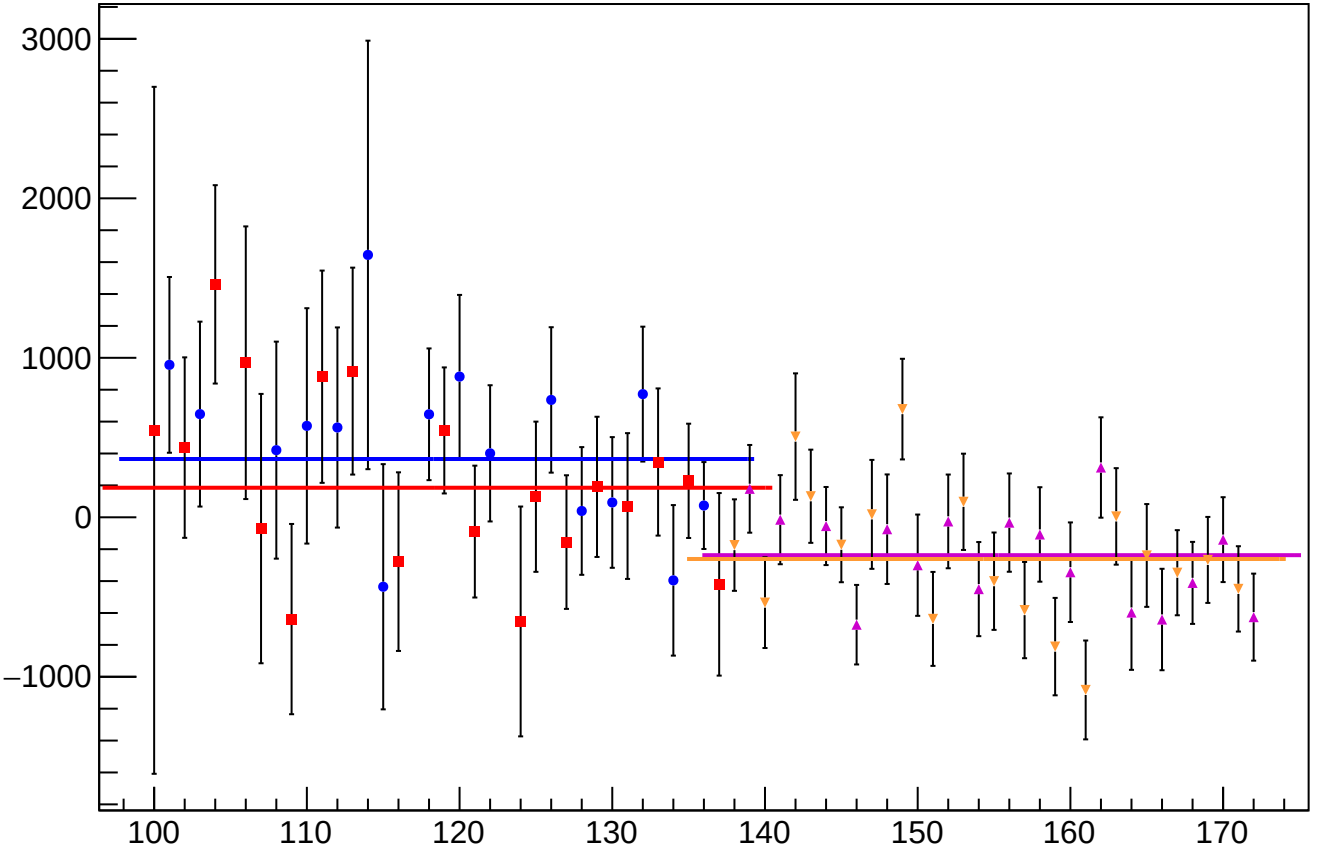
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2294.885+/-0.368 χ^2/NDF:3405197.6/32

Out: 2302.923+/-0.368 χ^2/NDF:4005656.2/36

All: 2298.903+/-0.260 χ^2/NDF: 7411092.3/69

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -261.405+/-69.507 χ^2/NDF:32.3/17

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -237.502+/-70.211 χ^2/NDF:16.9/16

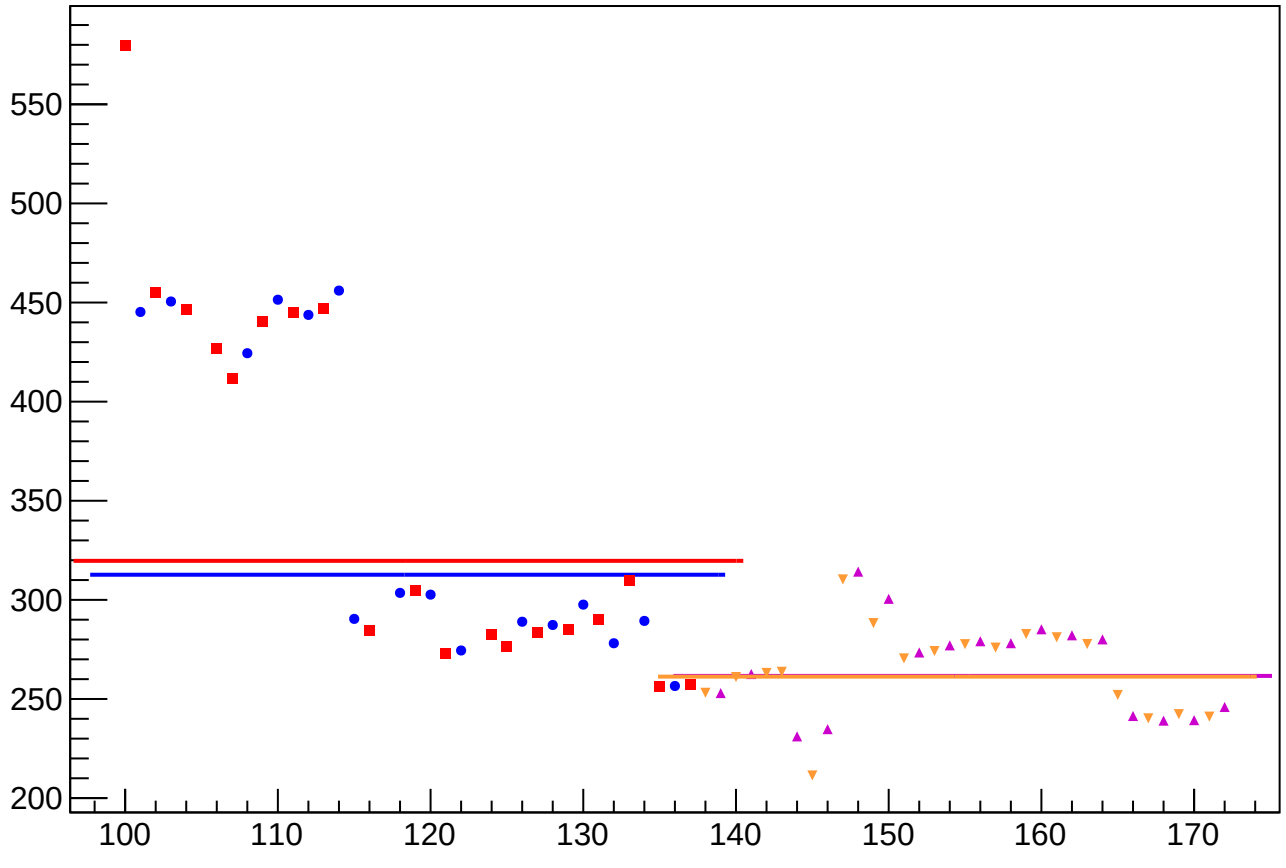
Left: -249.574+/-49.396 χ^2/NDF: 49.2/34

Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -81.542+/-60.454 χ^2/NDF:47.4/32

Out: -149.454+/-60.171 χ^2/NDF:57.6/36

All: -115.657+/-42.647 χ^2/NDF: 105.6/69



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 261.278+/-0.049 χ^2/NDF:223195.7/17

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: 261.458+/-0.035 χ^2/NDF: 447001.3/34

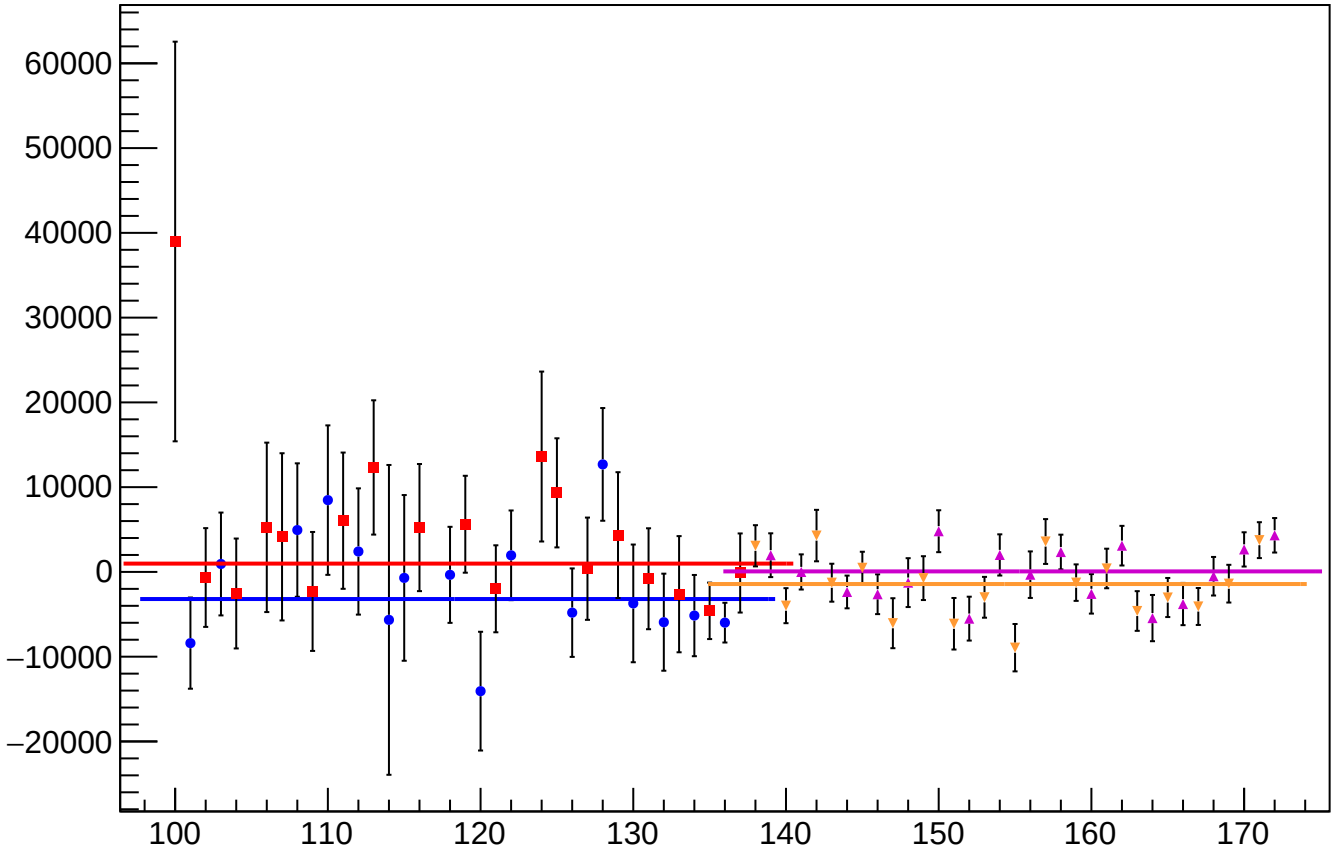
Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 274.843+/-0.043 χ^2/NDF:1099348.3/32

Out: 275.917+/-0.043 χ^2/NDF:1270892.4/36

All: 275.382+/-0.030 χ^2/NDF: 2370557.9/69

asym_sam2_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1428.770+/-557.922 χ^2/NDF:36.1/17

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: 61.798+/-563.600 χ^2/NDF:29.4/16

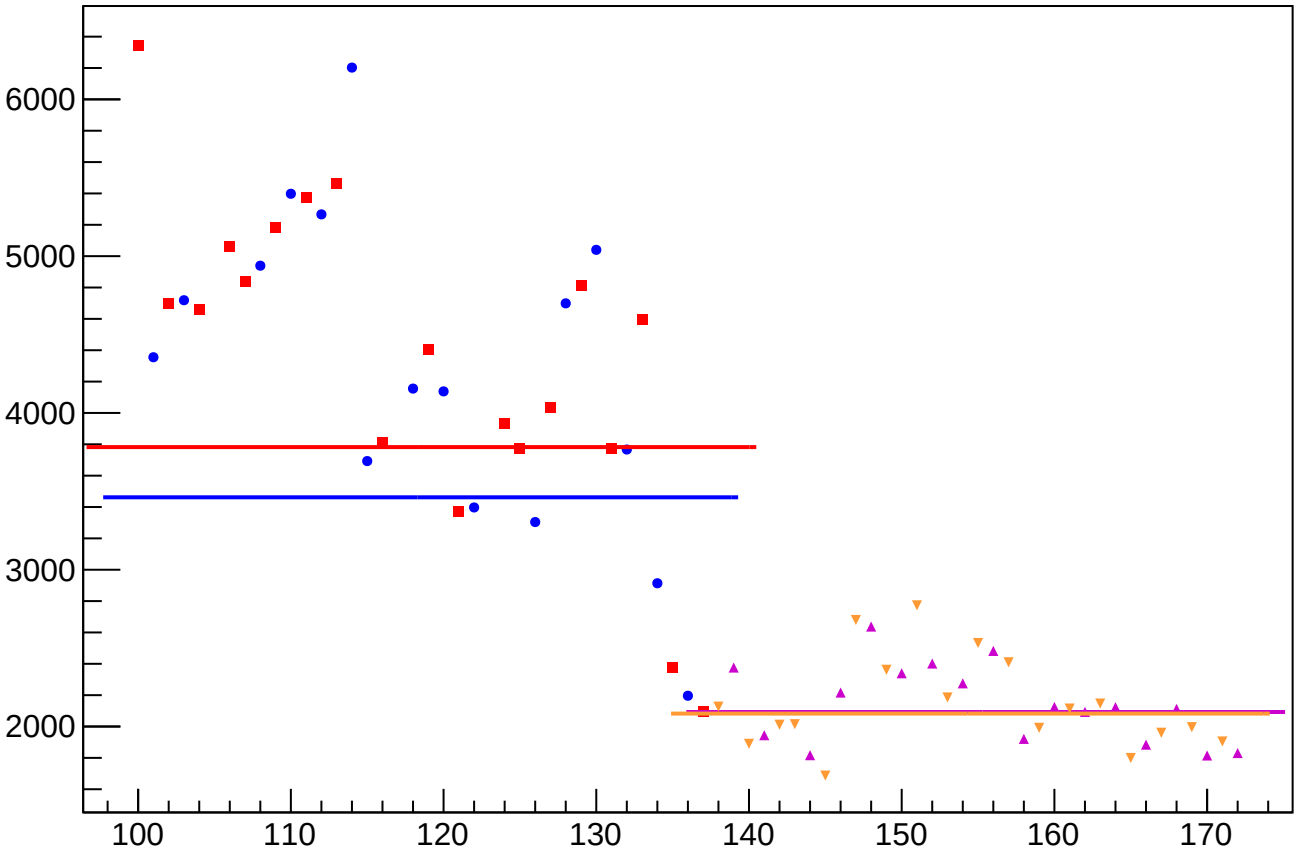
Left: -691.032+/-396.503 χ^2/NDF: 69.0/34

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -419.806+/-520.313 χ^2/NDF:50.4/32

Out: -1116.243+/-520.486 χ^2/NDF:52.5/36

All: -767.909+/-367.978 χ^2/NDF: 103.8/69



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2082.481+/-0.395 χ^2/NDF:461911.1/17

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: 2087.502+/-0.280 χ^2/NDF: 814029.0/34

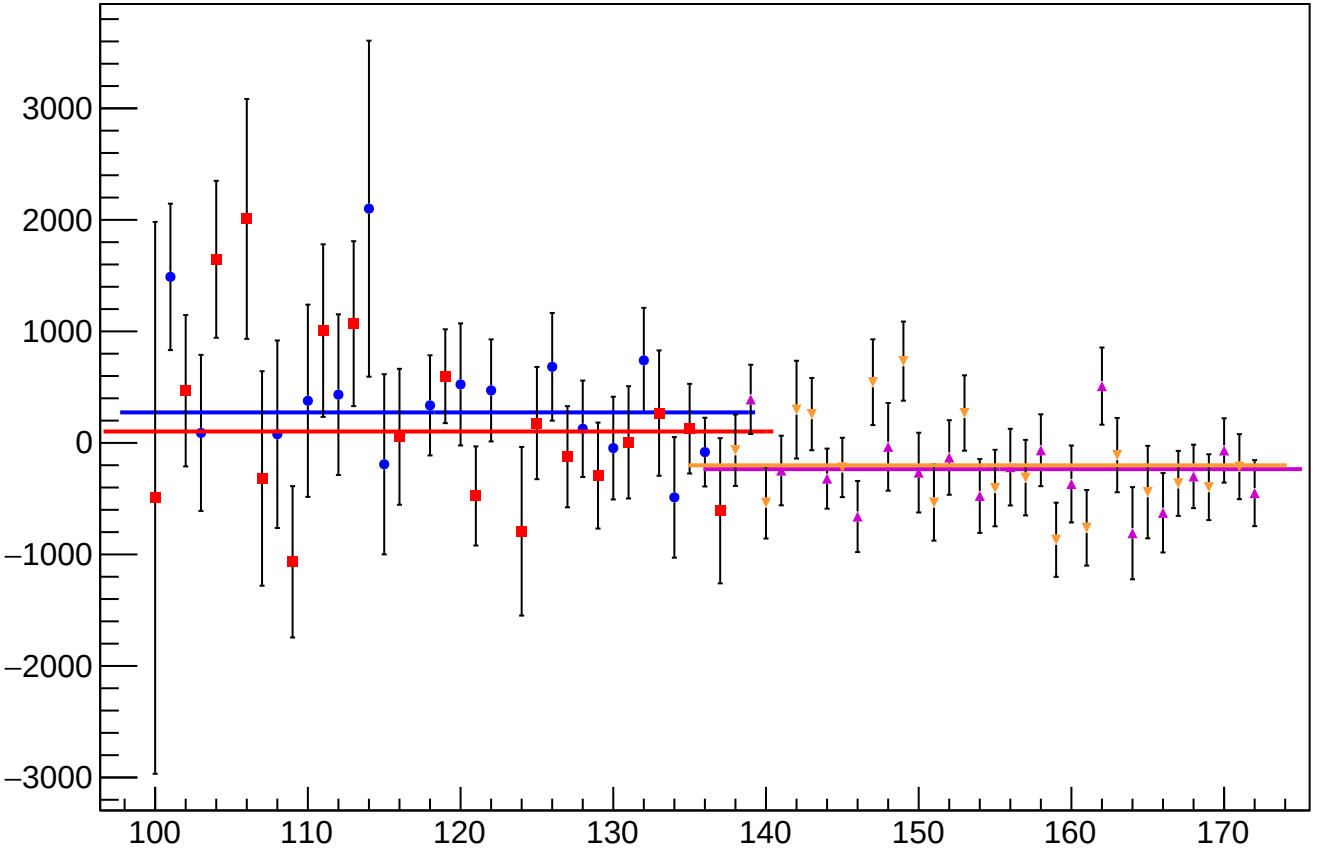
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2294.885+/-0.368 χ^2/NDF:3405197.6/32

Out: 2302.923+/-0.368 χ^2/NDF:4005656.2/36

All: 2298.903+/-0.260 χ^2/NDF: 7411092.3/69

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -200.919+/-77.808 χ^2/NDF:26.5/17

Right Out: 102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: -235.115+/-78.800 χ^2/NDF:16.0/16

Left: -217.800+/-55.366 χ^2/NDF: 42.6/34

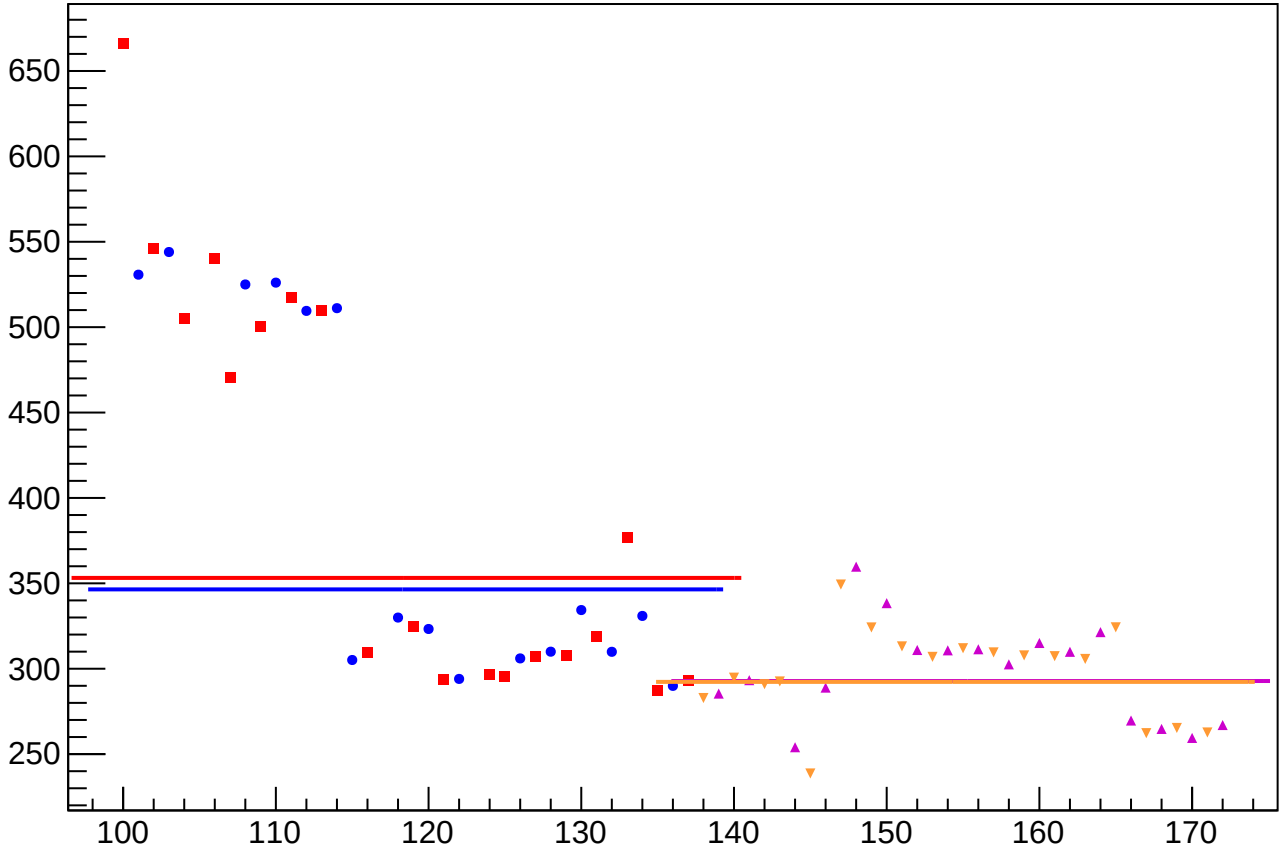
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: -102.261+/-67.733 χ^2/NDF:38.3/32

Out: -124.109+/-67.237 χ^2/NDF:51.7/36

All: -113.265+/-47.718 χ^2/NDF: 90.0/69

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 292.297+/-0.055 χ^2/NDF:248211.6/17

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 292.804+/-0.056 χ^2/NDF:245444.3/16

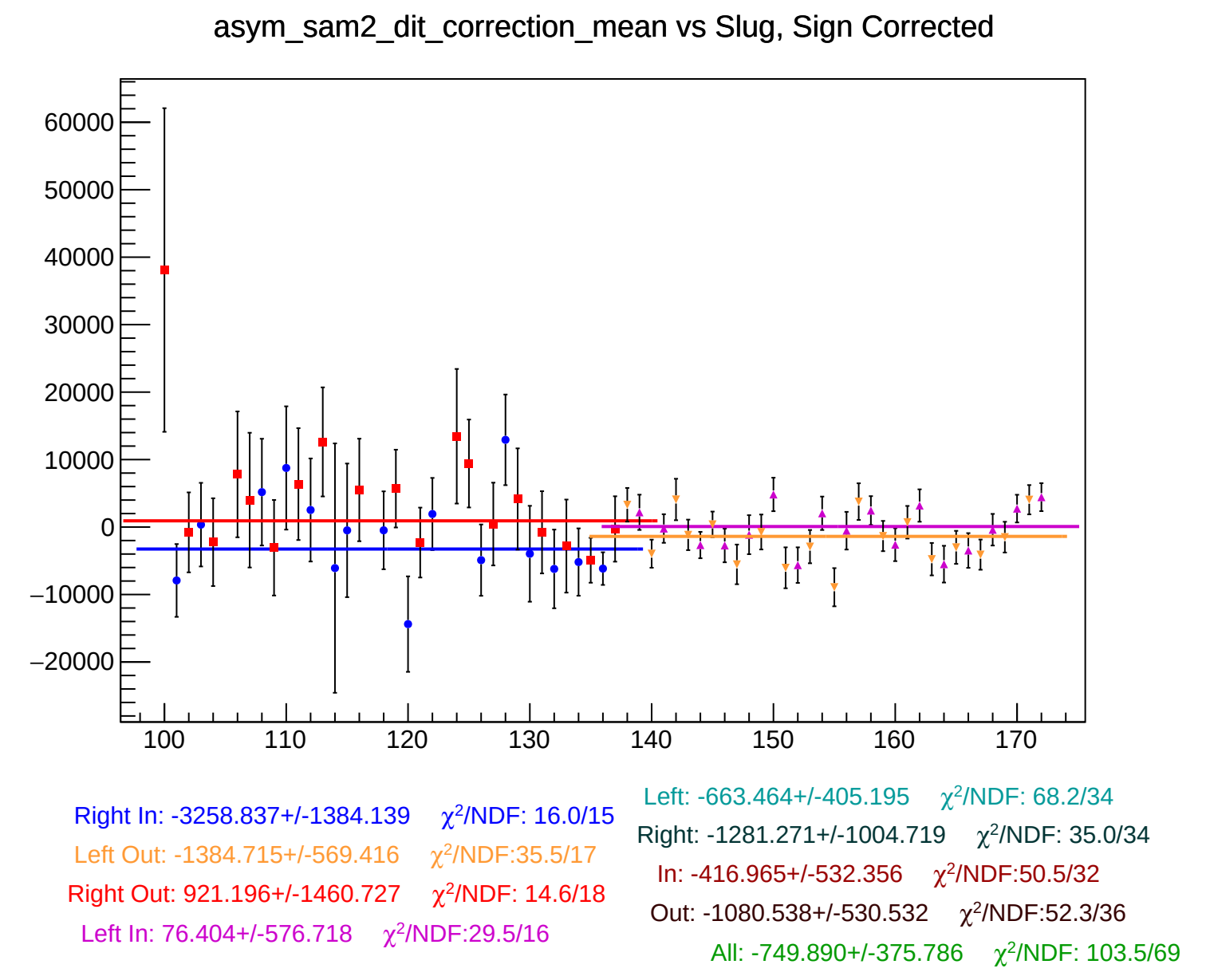
Left: 292.547+/-0.039 χ^2/NDF: 493697.8/34

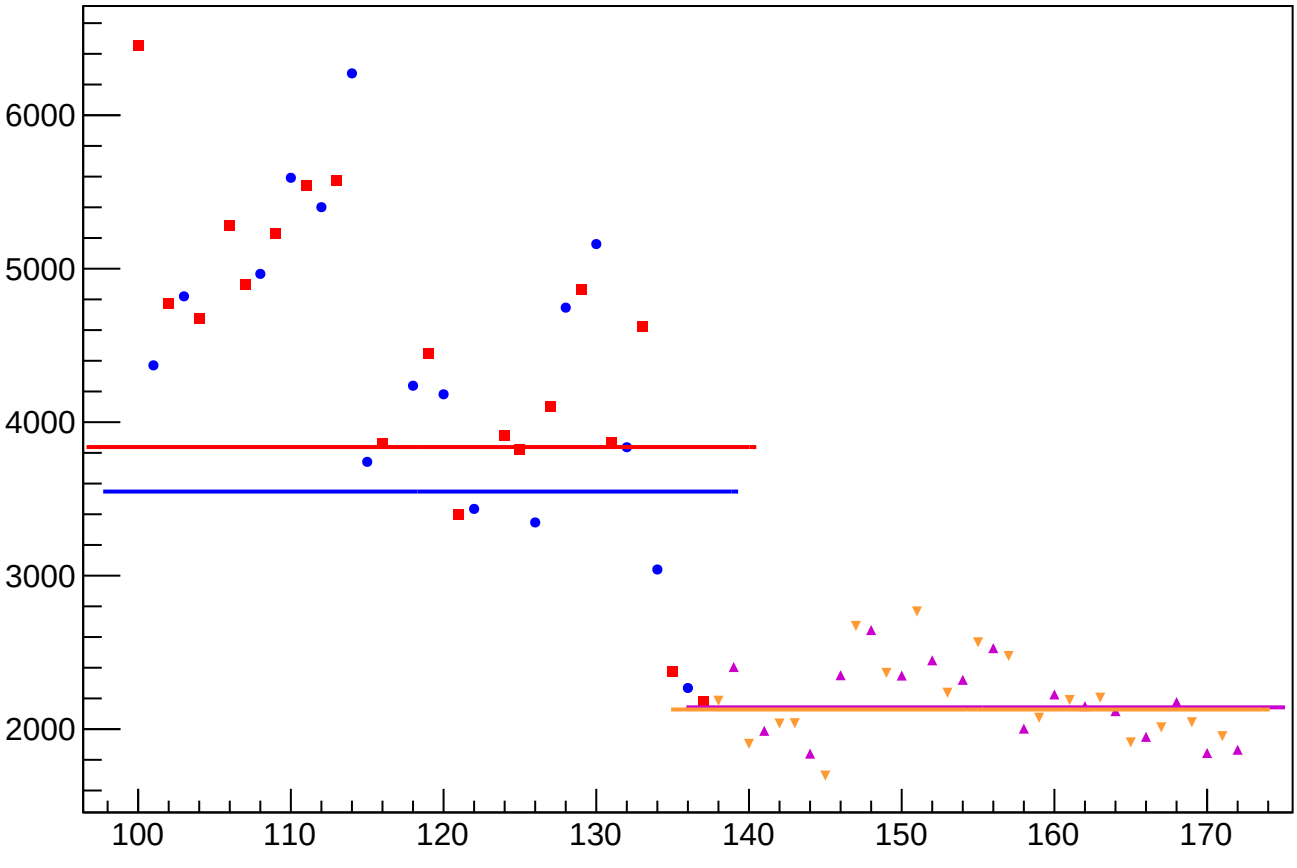
Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 306.816+/-0.048 χ^2/NDF:1256343.1/32

Out: 307.716+/-0.048 χ^2/NDF:1424678.4/36

All: 307.269+/-0.034 χ^2/NDF: 2681199.4/69


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: -1384.715+/-569.416 χ²/NDF:35.5/17
Right Out: 921.196+/-1460.727 χ²/NDF: 14.6/18
Left In: 76.404+/-576.718 χ²/NDF:29.5/16
Left: -663.464+/-405.195 χ²/NDF: 68.2/34
Right: -1281.271+/-1004.719 χ²/NDF: 35.0/34
In: -416.965+/-532.356 χ²/NDF:50.5/32
Out: -1080.538+/-530.532 χ²/NDF:52.3/36
All: -749.890+/-375.786 χ²/NDF: 103.5/69



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2127.869+/-0.403 χ^2/NDF:431654.7/17

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2141.894+/-0.408 χ^2/NDF:342690.7/16

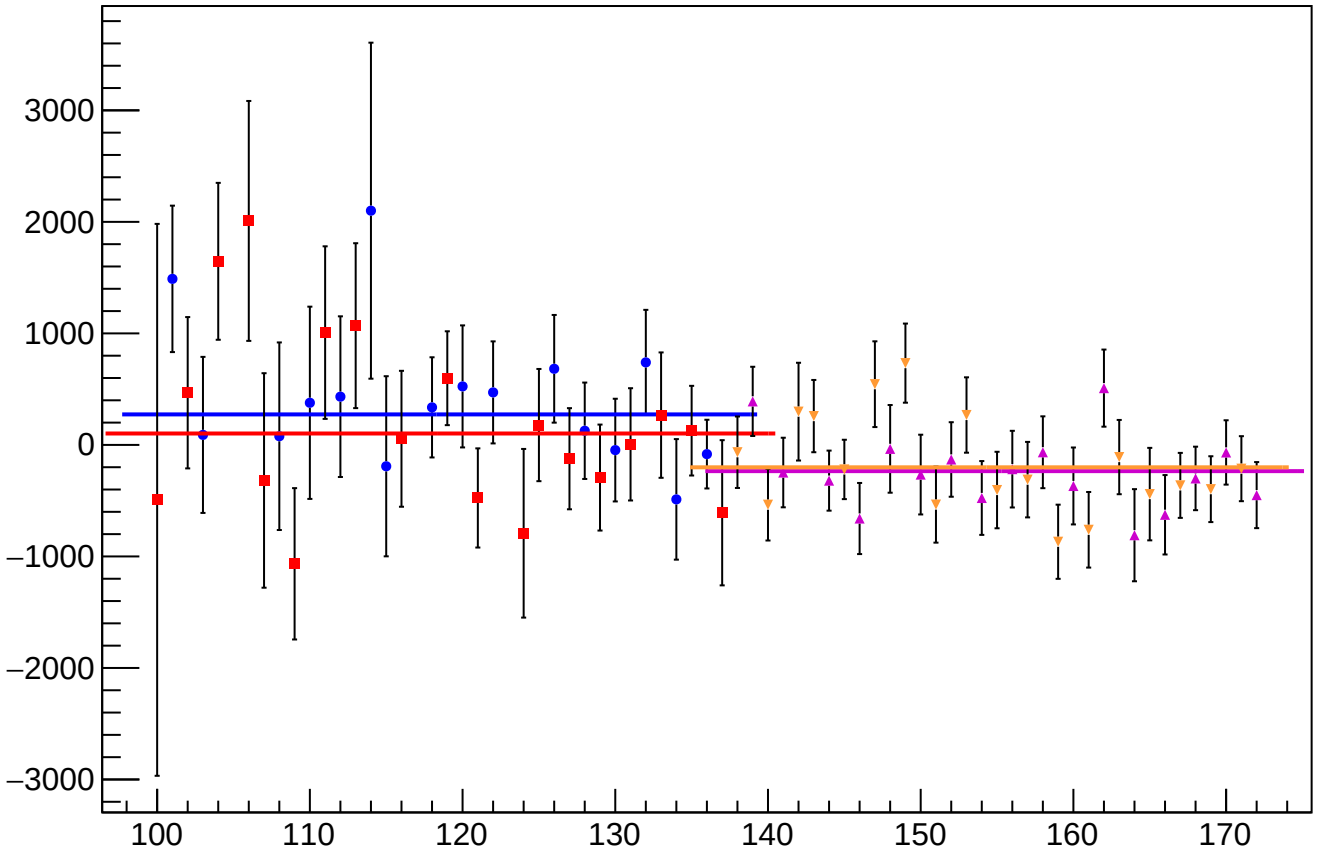
Left: 2134.792+/-0.287 χ^2/NDF: 774944.4/34

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2349.889+/-0.376 χ^2/NDF:3359768.3/32

Out: 2353.452+/-0.375 χ^2/NDF:3967058.5/36

All: 2351.677+/-0.266 χ^2/NDF: 7326871.7/69



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -200.924+/-77.808 χ^2/NDF:26.5/17

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: -217.805+/-55.366 χ^2/NDF: 42.6/34

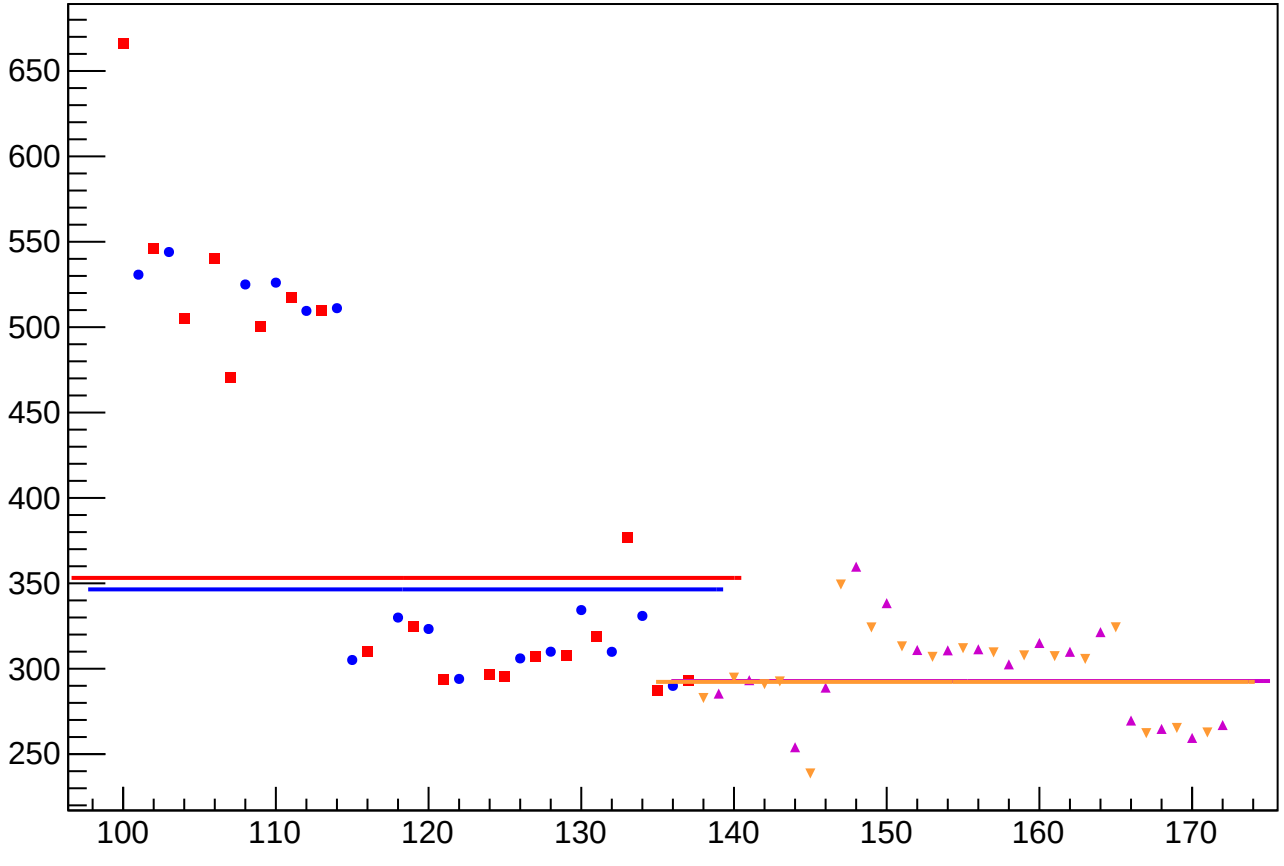
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: -102.261+/-67.732 χ^2/NDF:38.3/32

Out: -124.112+/-67.237 χ^2/NDF:51.7/36

All: -113.267+/-47.718 χ^2/NDF: 90.0/69

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 292.297+/-0.055 χ^2/NDF:248217.6/17

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 292.804+/-0.056 χ^2/NDF:245447.5/16

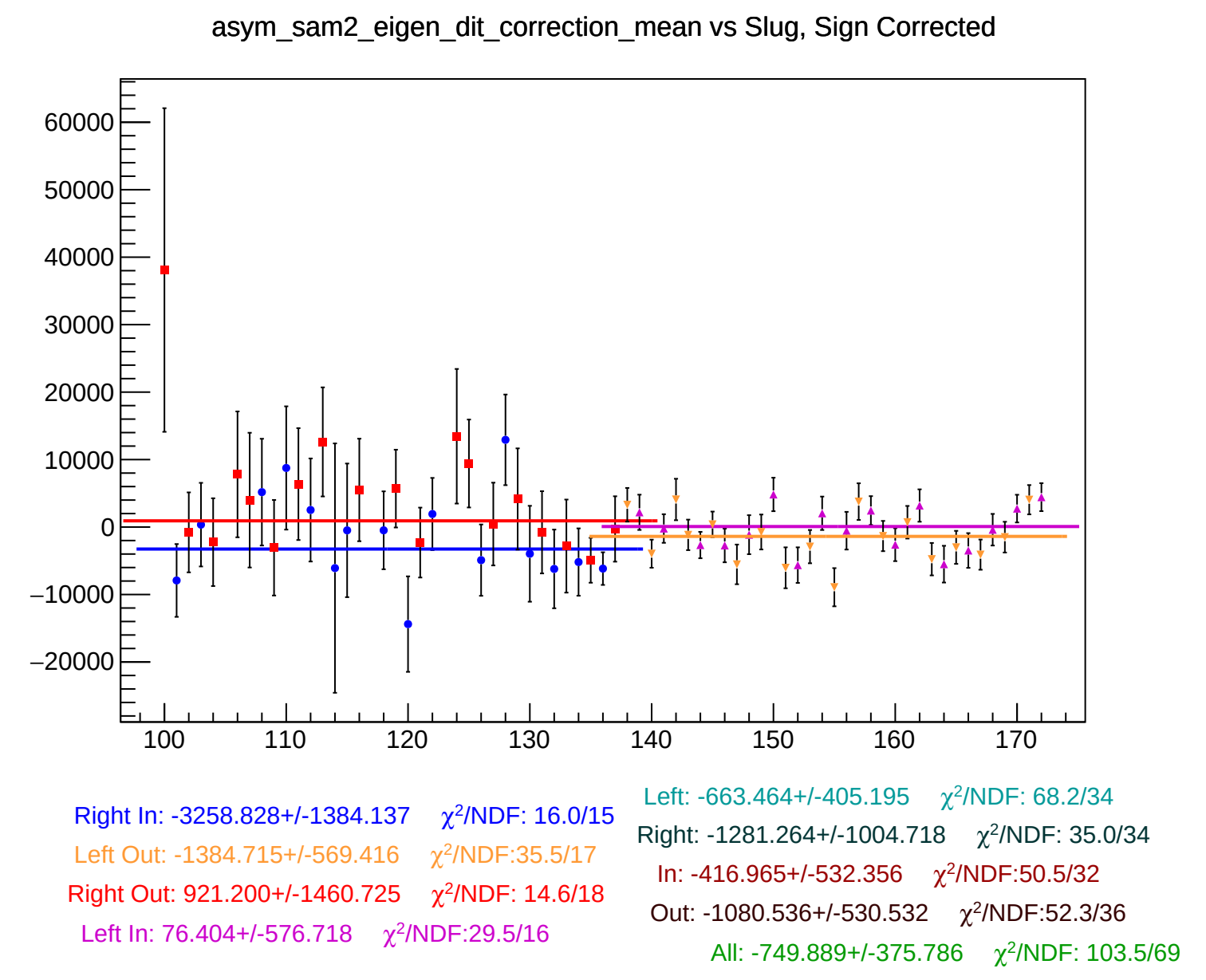
Left: 292.547+/-0.039 χ^2/NDF: 493706.9/34

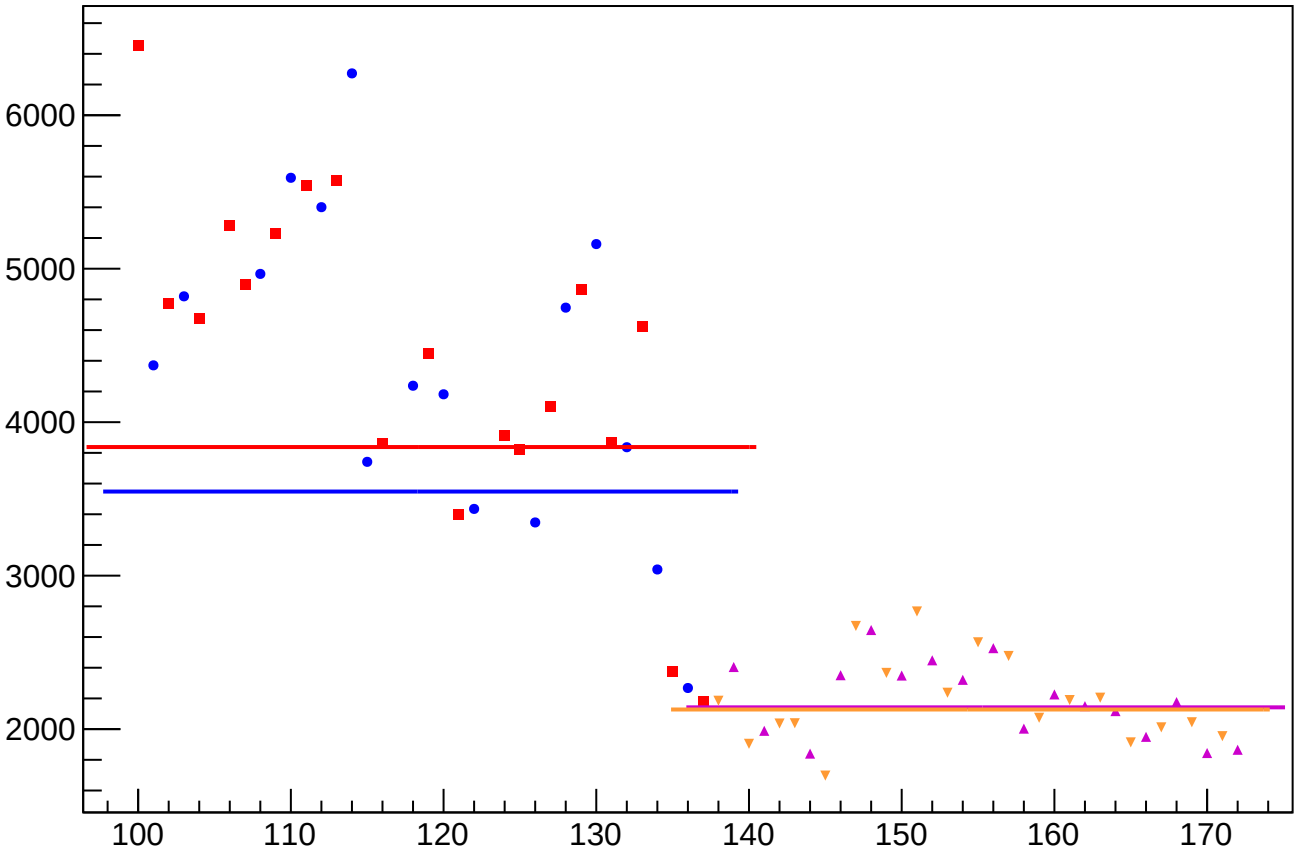
Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 306.815+/-0.048 χ^2/NDF:1256322.1/32

Out: 307.715+/-0.048 χ^2/NDF:1424662.7/36

All: 307.269+/-0.034 χ^2/NDF: 2681162.8/69


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: -1384.715+/-569.416 χ²/NDF:35.5/17
Right Out: 921.200+/-1460.725 χ²/NDF: 14.6/18
Left In: 76.404+/-576.718 χ²/NDF:29.5/16
Left: -663.464+/-405.195 χ²/NDF: 68.2/34
Right: -1281.264+/-1004.718 χ²/NDF: 35.0/34
In: -416.965+/-532.356 χ²/NDF:50.5/32
Out: -1080.536+/-530.532 χ²/NDF:52.3/36
All: -749.889+/-375.786 χ²/NDF: 103.5/69



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2127.868+/-0.403 χ^2/NDF:431661.8/17

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2141.893+/-0.408 χ^2/NDF:342693.2/16

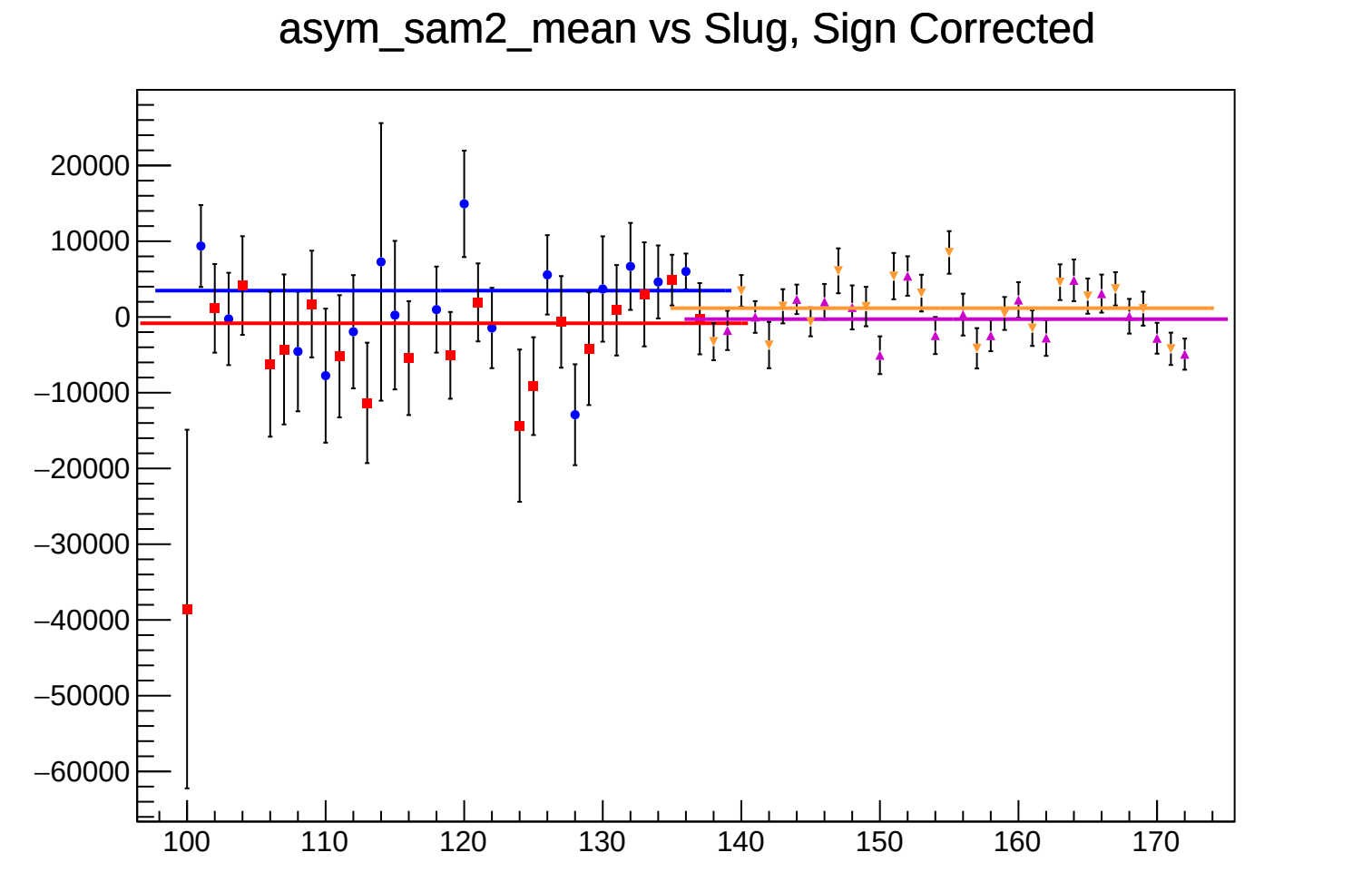
Left: 2134.791+/-0.287 χ^2/NDF: 774954.0/34

Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2349.889+/-0.376 χ^2/NDF:3359754.2/32

Out: 2353.451+/-0.375 χ^2/NDF:3967052.6/36

All: 2351.676+/-0.266 χ^2/NDF: 7326851.7/69



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1165.788+/-562.428 χ^2/NDF:35.7/17

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: 447.732+/-399.707 χ^2/NDF: 66.9/34

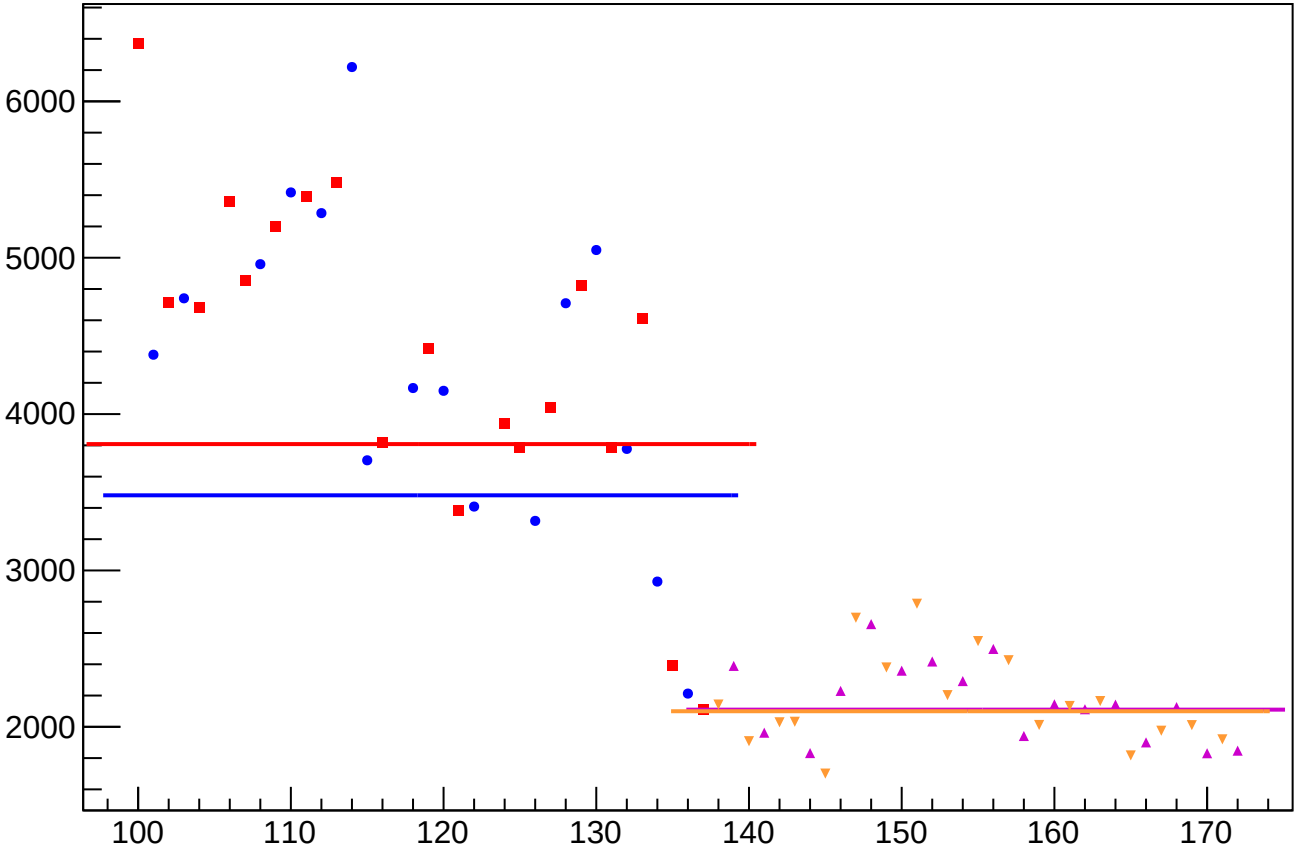
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 273.936+/-524.270 χ^2/NDF:50.7/32

Out: 904.338+/-524.347 χ^2/NDF:51.4/36

All: 589.090+/-370.742 χ^2/NDF: 102.8/69

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2099.671+/-0.398 χ^2/NDF:456163.4/17

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2109.854+/-0.402 χ^2/NDF:346598.6/16

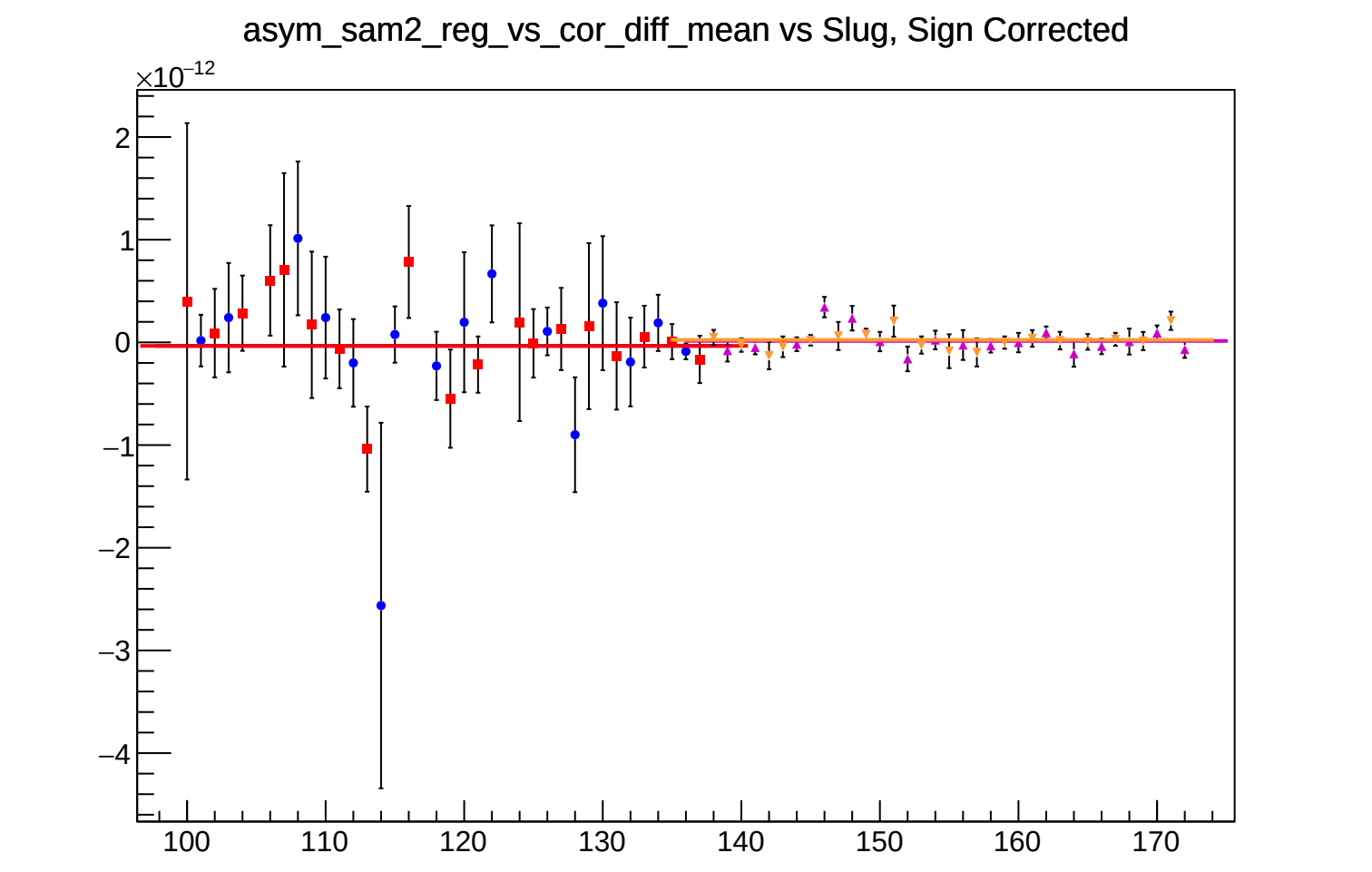
Left: 2104.711+/-0.283 χ^2/NDF: 803086.5/34

Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2313.440+/-0.371 χ^2/NDF:3372197.8/32

Out: 2323.194+/-0.371 χ^2/NDF:4018233.6/36

All: 2318.316+/-0.262 χ^2/NDF: 7390777.4/69



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/17

Right Out: -0.000+/-0.000 χ^2/NDF: 13.5/18

Left In: 0.000+/-0.000 χ^2/NDF:24.4/16

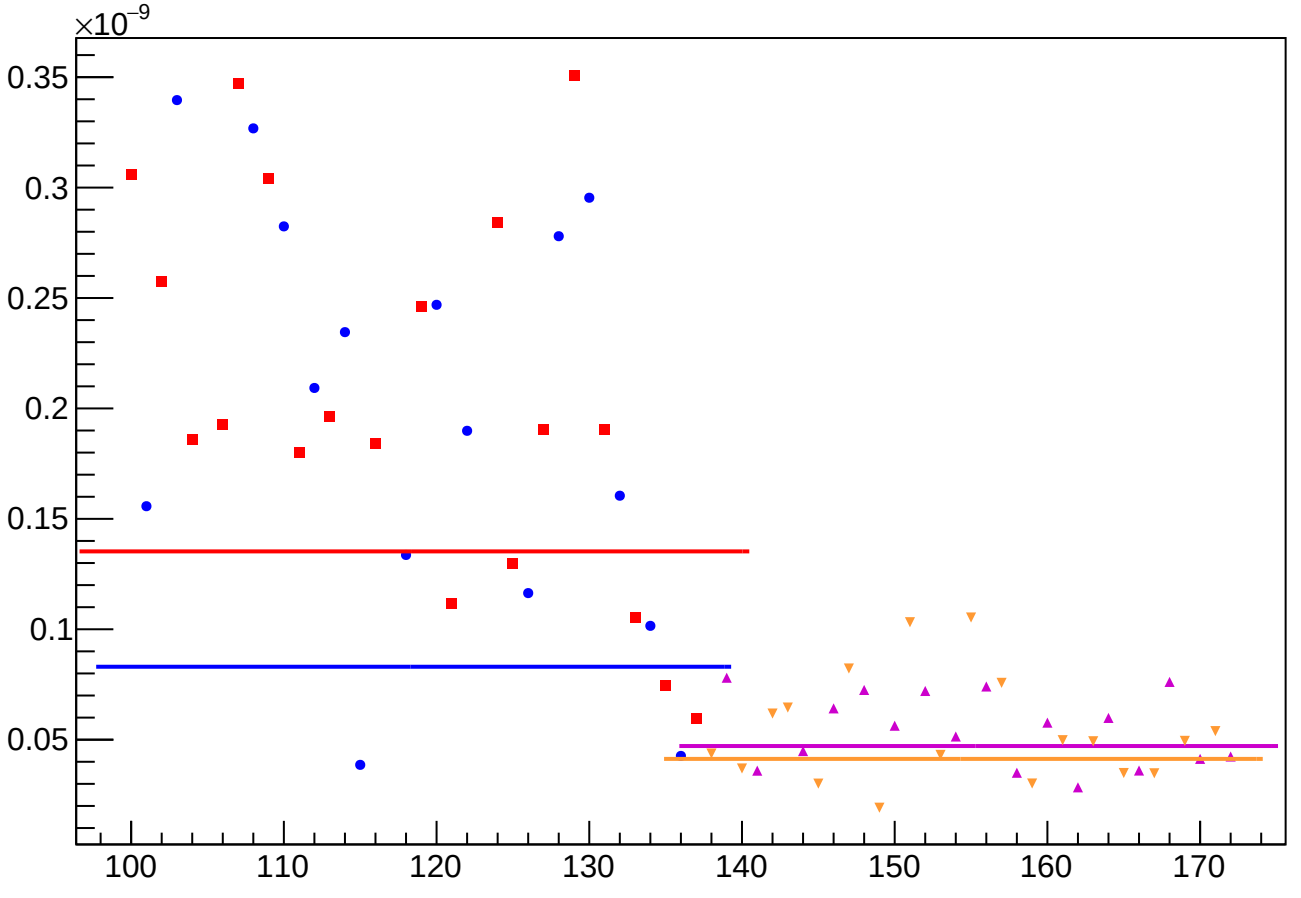
Left: 0.000+/-0.000 χ^2/NDF: 35.8/34

Right: -0.000+/-0.000 χ^2/NDF: 25.5/34

In: 0.000+/-0.000 χ^2/NDF:36.9/32

Out: 0.000+/-0.000 χ^2/NDF:25.2/36

All: 0.000+/-0.000 χ^2/NDF: 62.4/69



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1718988.4/17

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: 2827727.3/34

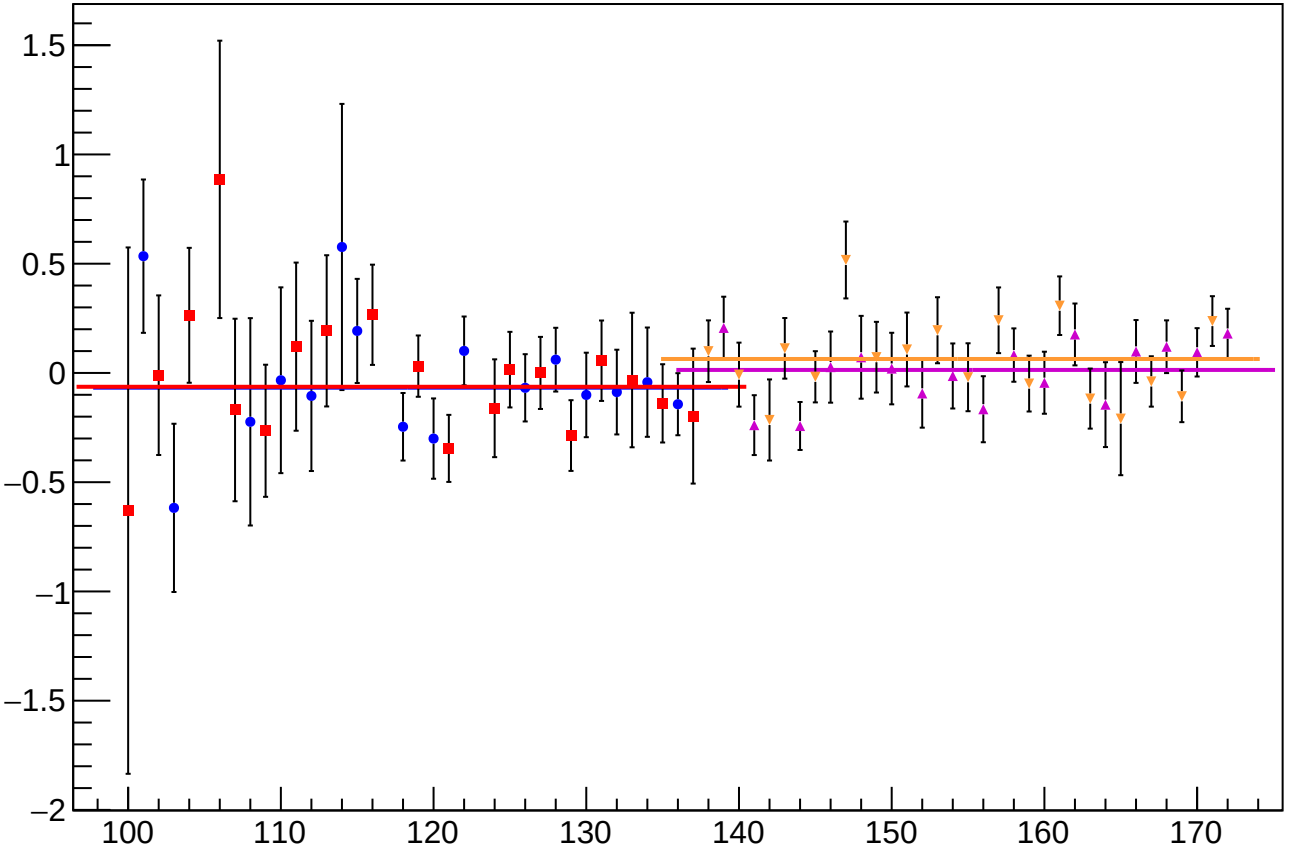
Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:4352336.6/32

Out: 0.000+/-0.000 χ^2/NDF:5459263.3/36

All: 0.000+/-0.000 χ^2/NDF: 9887760.4/69

asym_sam2_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.064+/-0.033 χ^2/NDF:24.4/17

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.014+/-0.034 χ^2/NDF:19.0/16

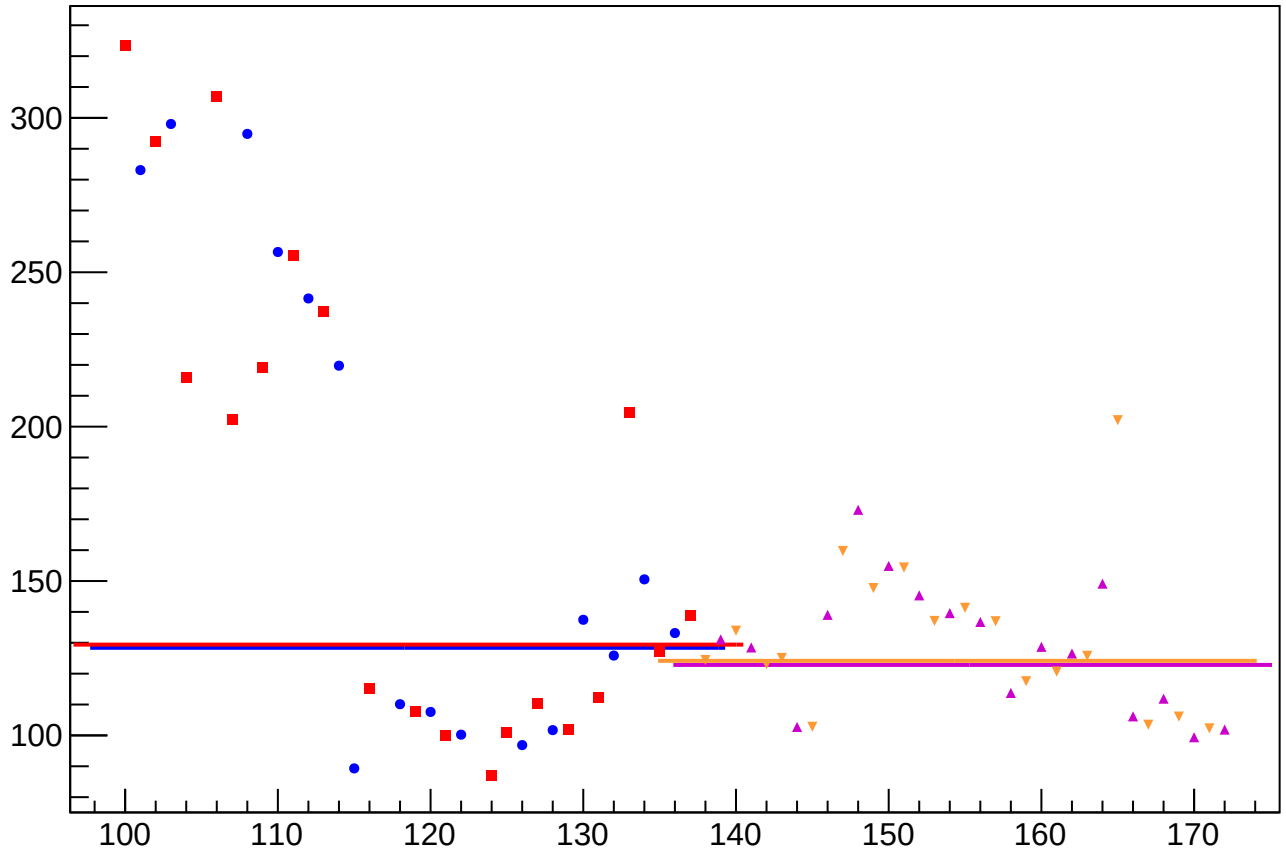
Left: 0.039+/-0.024 χ^2/NDF: 44.5/34

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.010+/-0.028 χ^2/NDF:33.2/32

Out: 0.026+/-0.028 χ^2/NDF:42.7/36

All: 0.008+/-0.020 χ^2/NDF: 76.7/69



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 124.152+/-0.024 χ^2/NDF:690309.7/17

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: 123.493+/-0.017 χ^2/NDF: 1343266.5/34

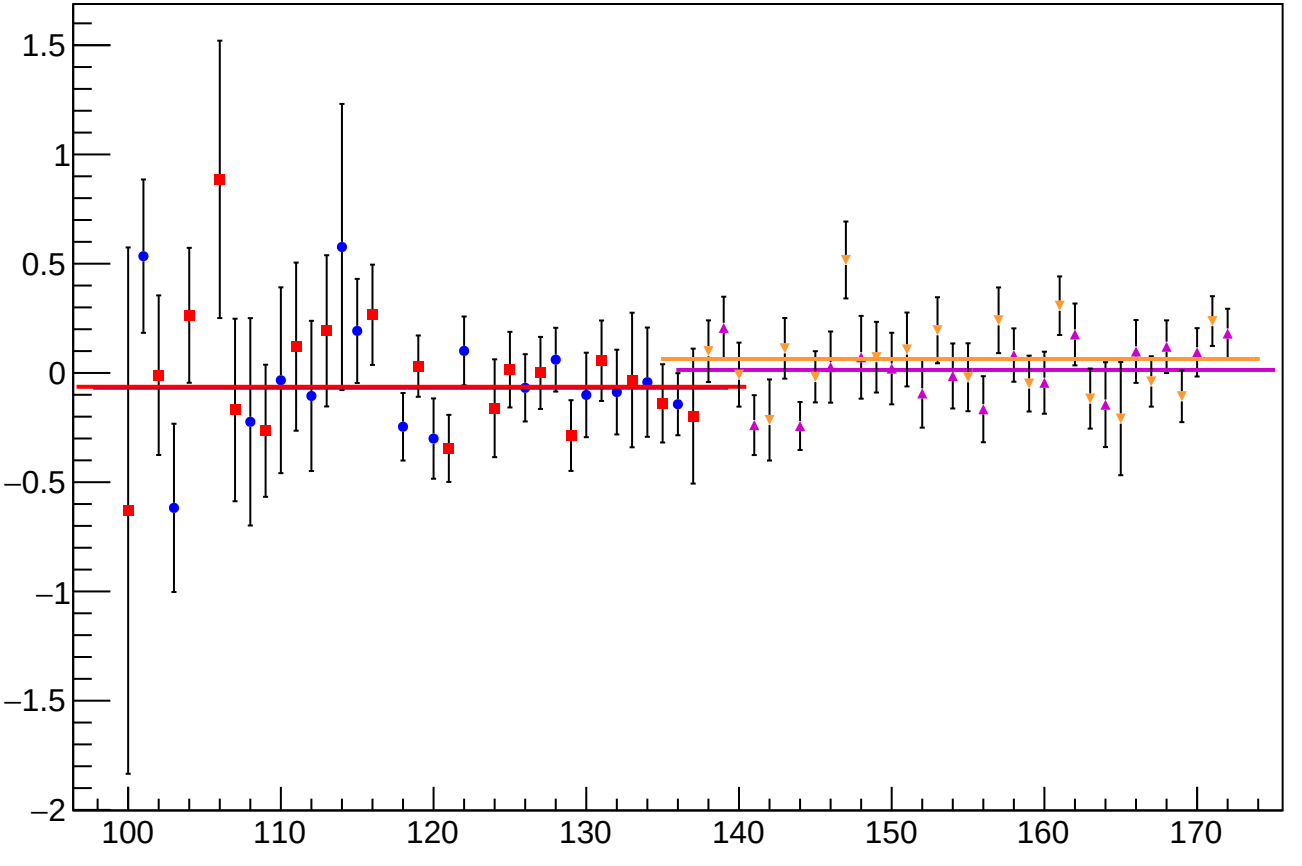
Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 124.472+/-0.020 χ^2/NDF:2472662.7/32

Out: 125.703+/-0.020 χ^2/NDF:2593136.3/36

All: 125.090+/-0.014 χ^2/NDF: 5067715.7/69

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.064+/-0.033 χ^2/NDF:24.4/17

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.014+/-0.034 χ^2/NDF:19.0/16

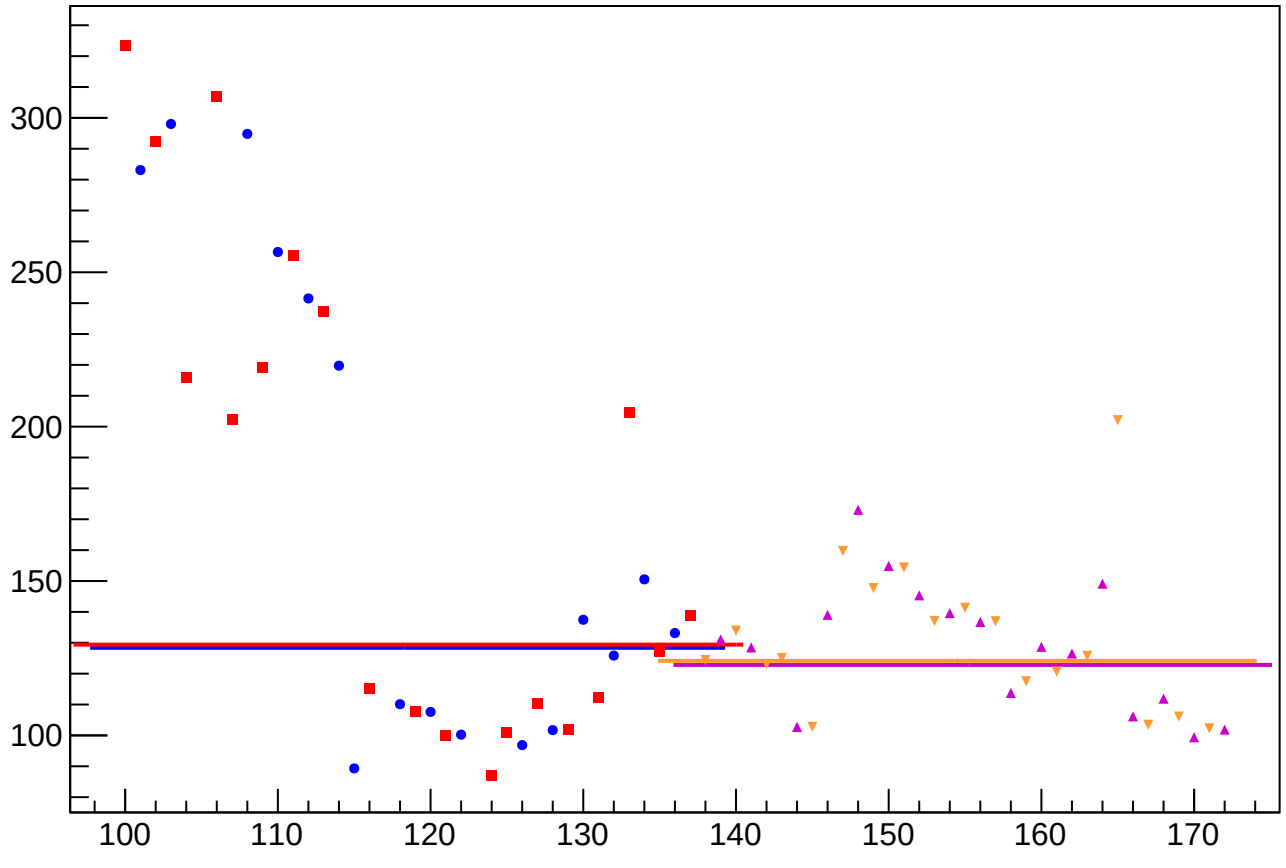
Left: 0.039+/-0.024 χ^2/NDF: 44.5/34

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.010+/-0.028 χ^2/NDF:33.2/32

Out: 0.026+/-0.028 χ^2/NDF:42.7/36

All: 0.008+/-0.020 χ^2/NDF: 76.7/69



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 124.152+/-0.024 χ^2/NDF:690309.7/17

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 122.829+/-0.024 χ^2/NDF:651398.7/16

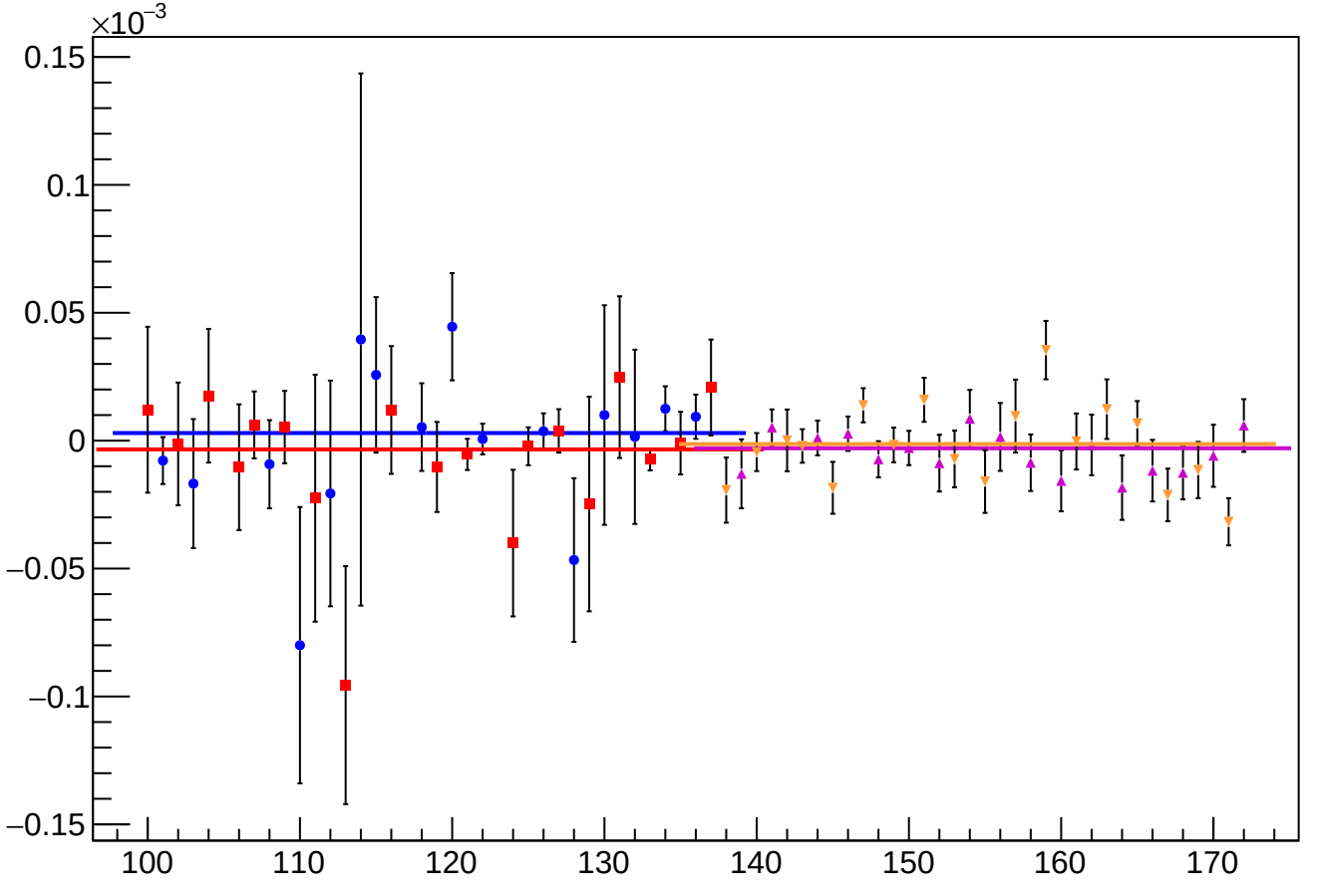
Left: 123.493+/-0.017 χ^2/NDF: 1343266.5/34

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 124.472+/-0.020 χ^2/NDF:2472662.7/32

Out: 125.703+/-0.020 χ^2/NDF:2593136.3/36

All: 125.090+/-0.014 χ^2/NDF: 5067715.7/69



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:44.6/17

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:9.8/16

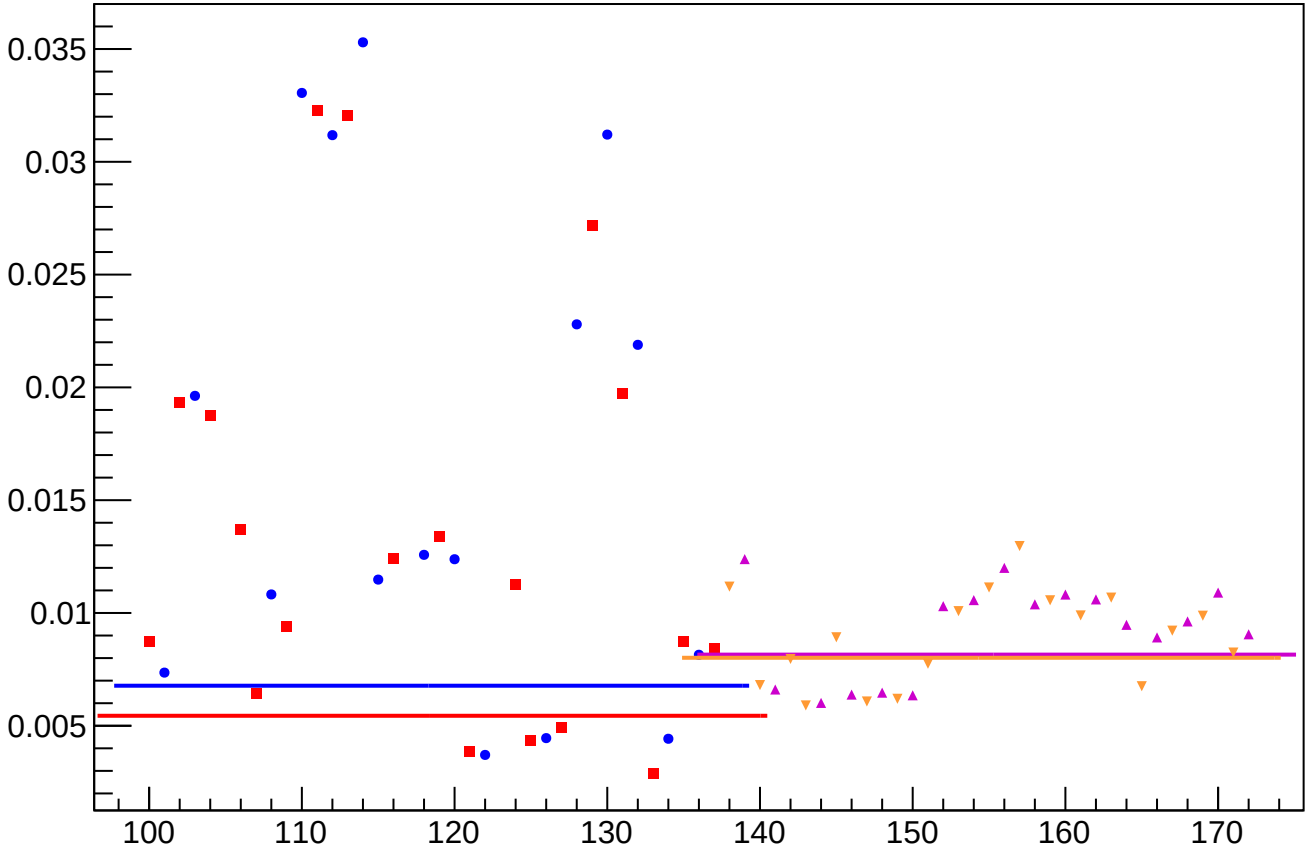
Left: -0.000+/-0.000 χ^2/NDF: 54.7/34

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:57.6/36

All: -0.000+/-0.000 χ^2/NDF: 84.1/69



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1545027.0/17

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1678684.7/16

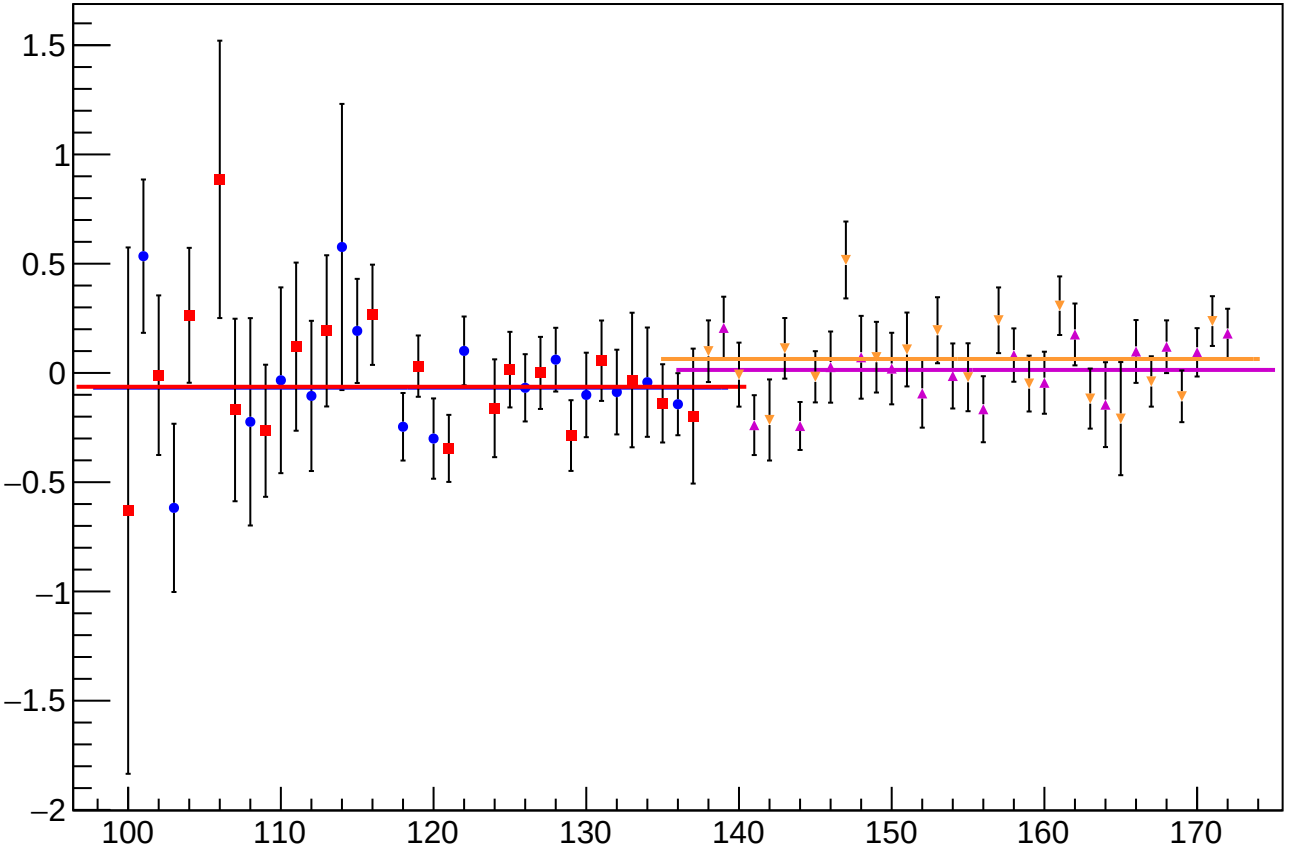
Left: 0.008+/-0.000 χ^2/NDF: 3227643.9/34

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:8261796.1/36

All: 0.007+/-0.000 χ^2/NDF: 15142646.0/69



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.064+/-0.033 χ^2/NDF:24.4/17

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.014+/-0.034 χ^2/NDF:19.0/16

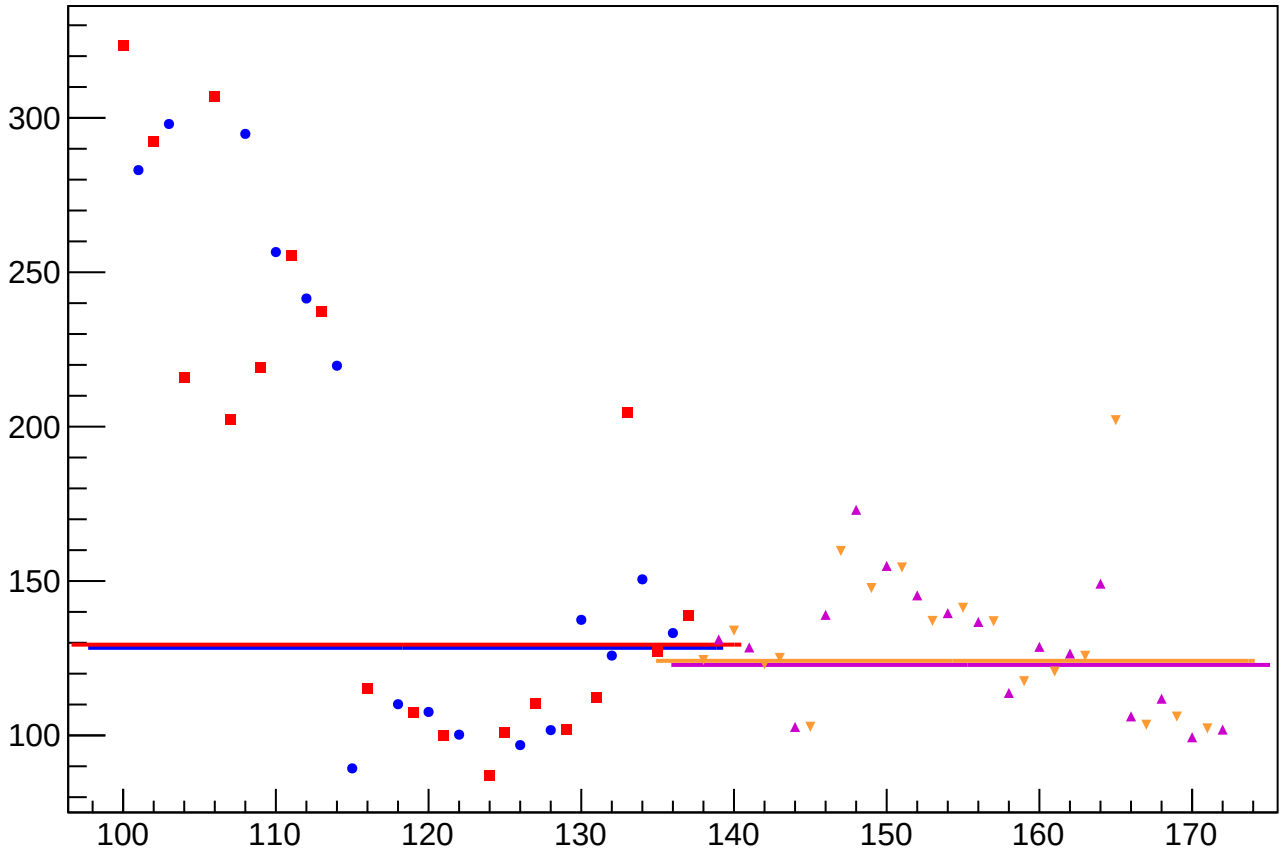
Left: 0.039+/-0.024 χ^2/NDF: 44.5/34

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.010+/-0.028 χ^2/NDF:33.2/32

Out: 0.026+/-0.028 χ^2/NDF:42.7/36

All: 0.008+/-0.020 χ^2/NDF: 76.7/69



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 124.151+/-0.024 χ^2/NDF:690364.6/17

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: 123.493+/-0.017 χ^2/NDF: 1343353.3/34

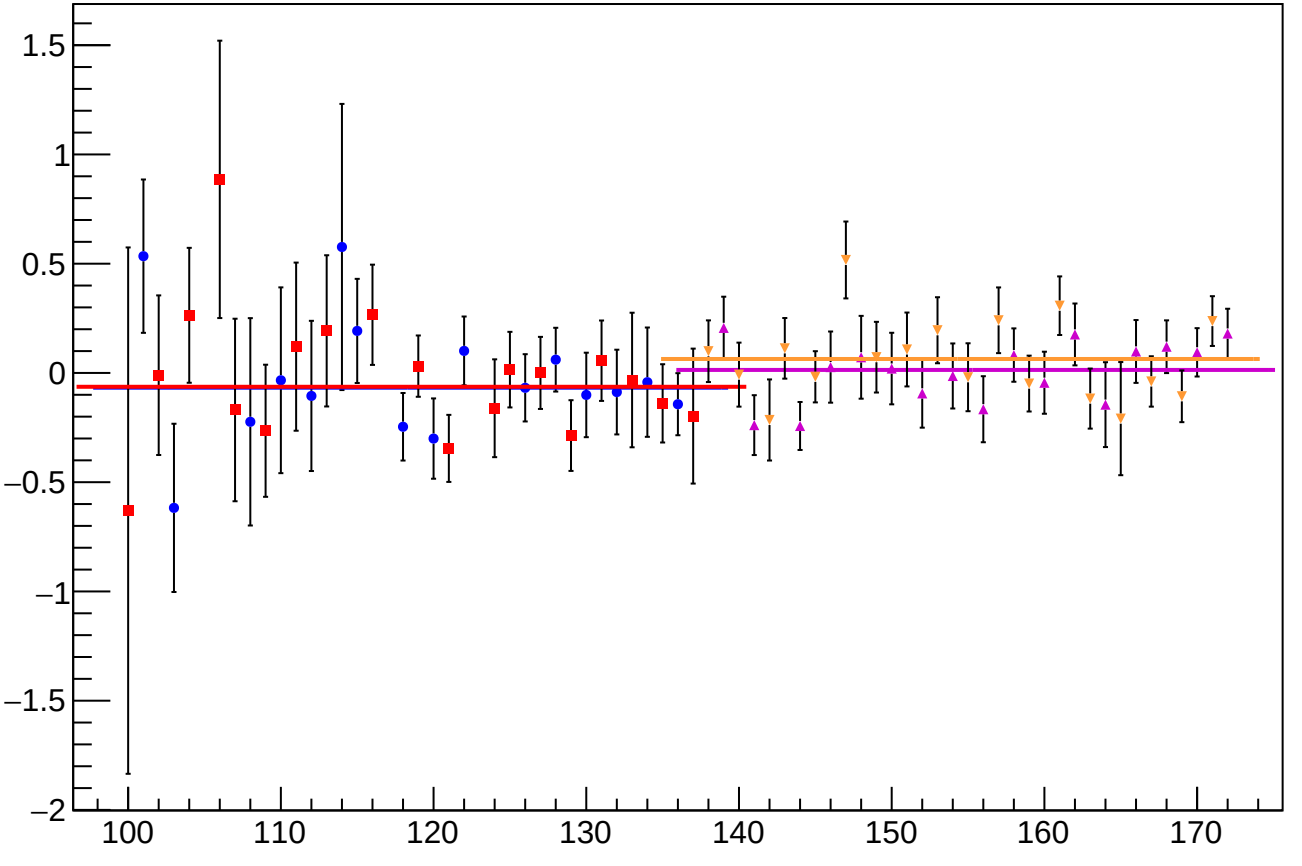
Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 124.471+/-0.020 χ^2/NDF:2472628.1/32

Out: 125.702+/-0.020 χ^2/NDF:2593177.7/36

All: 125.089+/-0.014 χ^2/NDF: 5067722.4/69

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.064+/-0.033 χ^2/NDF:24.4/17

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.014+/-0.034 χ^2/NDF:19.0/16

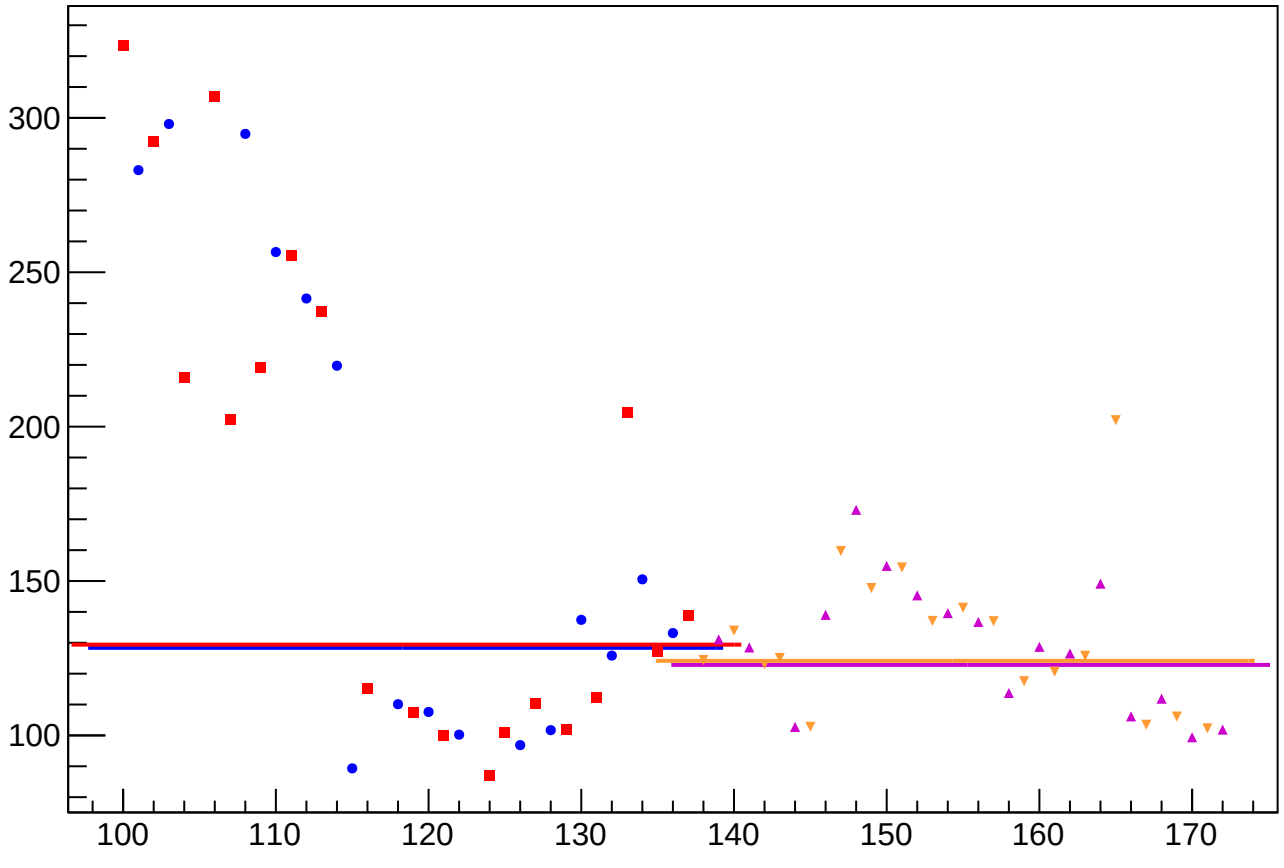
Left: 0.039+/-0.024 χ^2/NDF: 44.5/34

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.010+/-0.028 χ^2/NDF:33.2/32

Out: 0.026+/-0.028 χ^2/NDF:42.7/36

All: 0.008+/-0.020 χ^2/NDF: 76.7/69



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 124.151+/-0.024 χ^2/NDF:690364.6/17

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 122.829+/-0.024 χ^2/NDF:651430.6/16

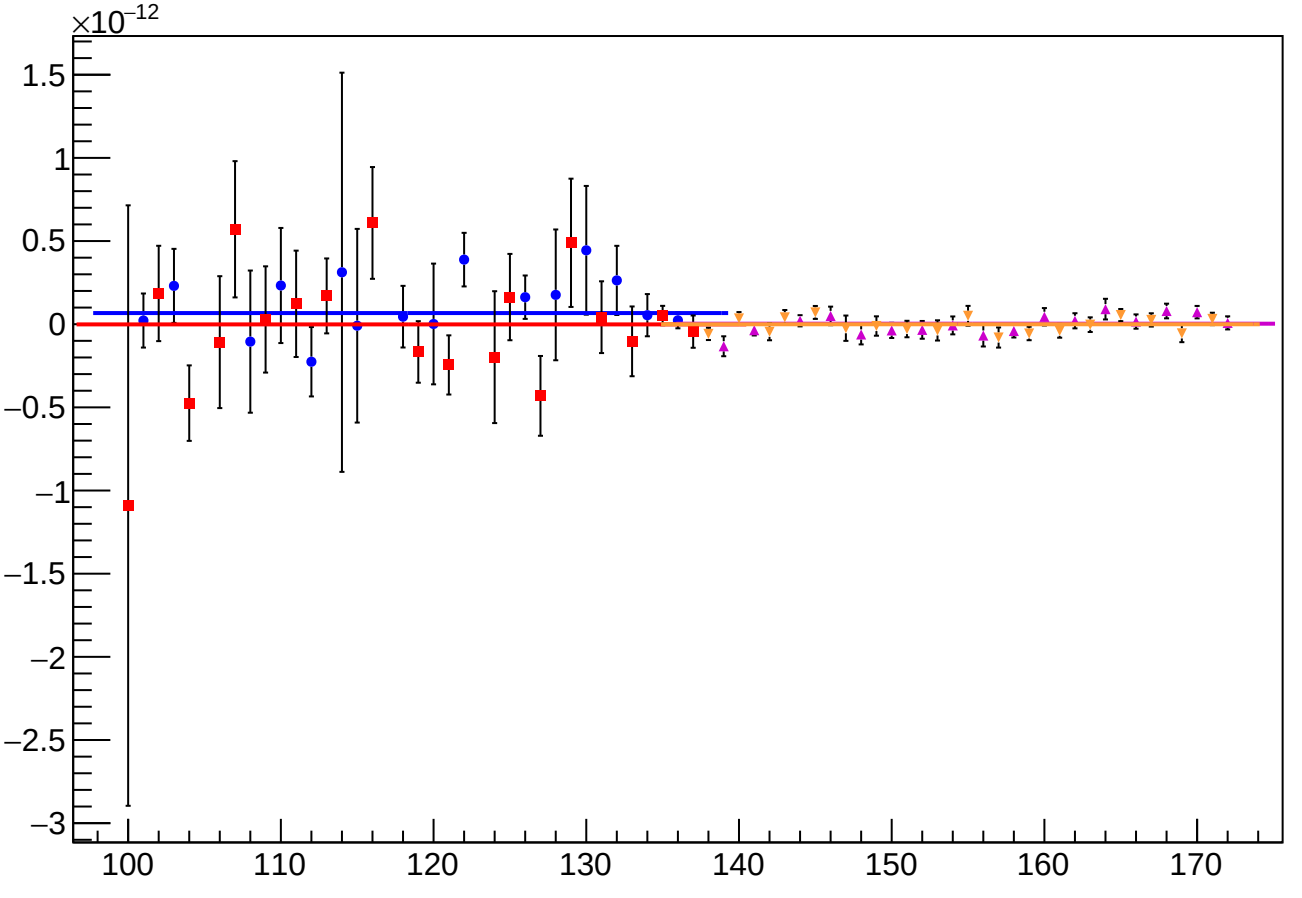
Left: 123.493+/-0.017 χ^2/NDF: 1343353.3/34

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 124.471+/-0.020 χ^2/NDF:2472628.1/32

Out: 125.702+/-0.020 χ^2/NDF:2593177.7/36

All: 125.089+/-0.014 χ^2/NDF: 5067722.4/69



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.9/17

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:21.8/16

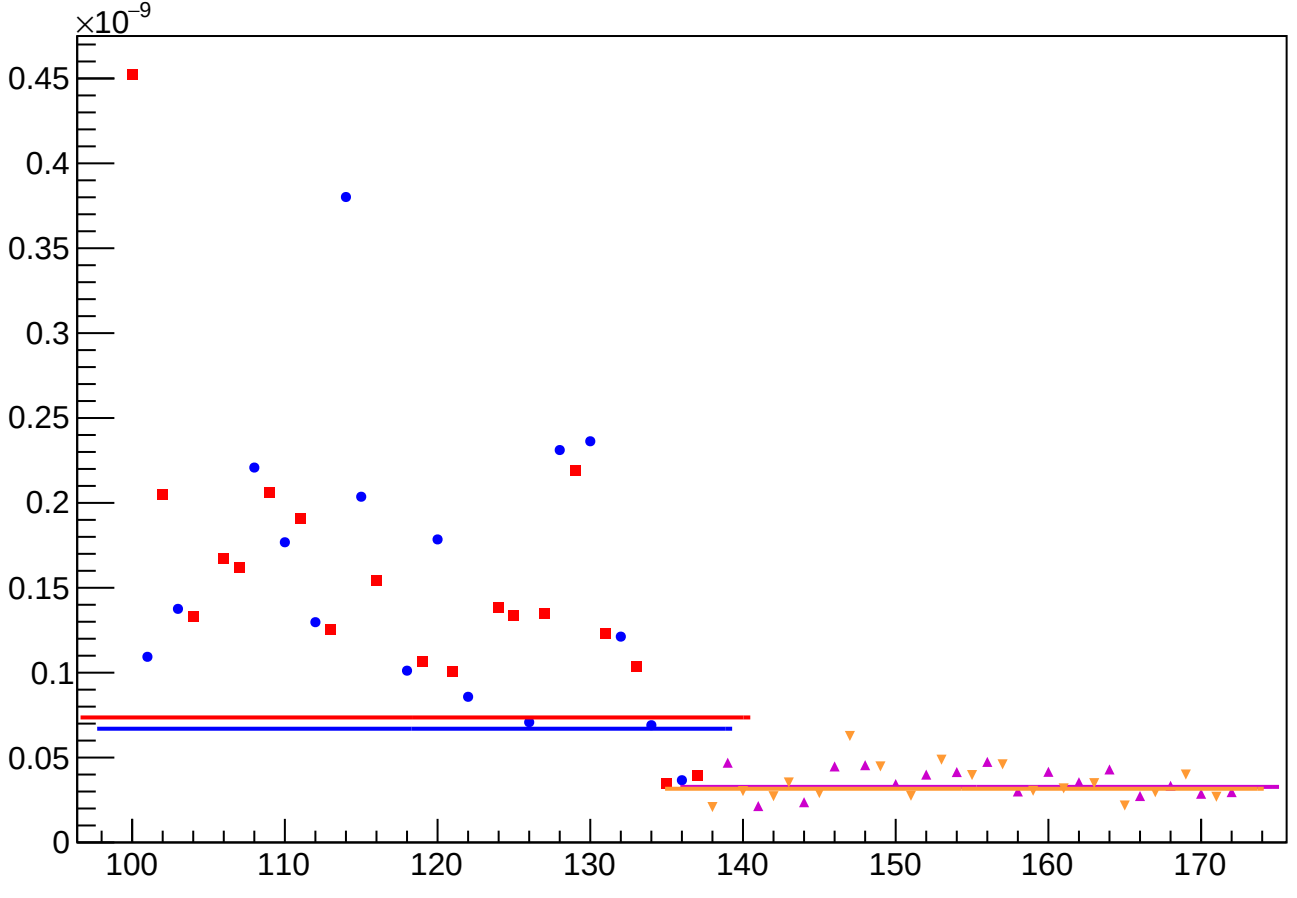
Left: 0.000+/-0.000 χ^2/NDF: 40.7/34

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:39.5/36

All: 0.000+/-0.000 χ^2/NDF: 74.9/69



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1214018.3/17

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: 2309018.6/34

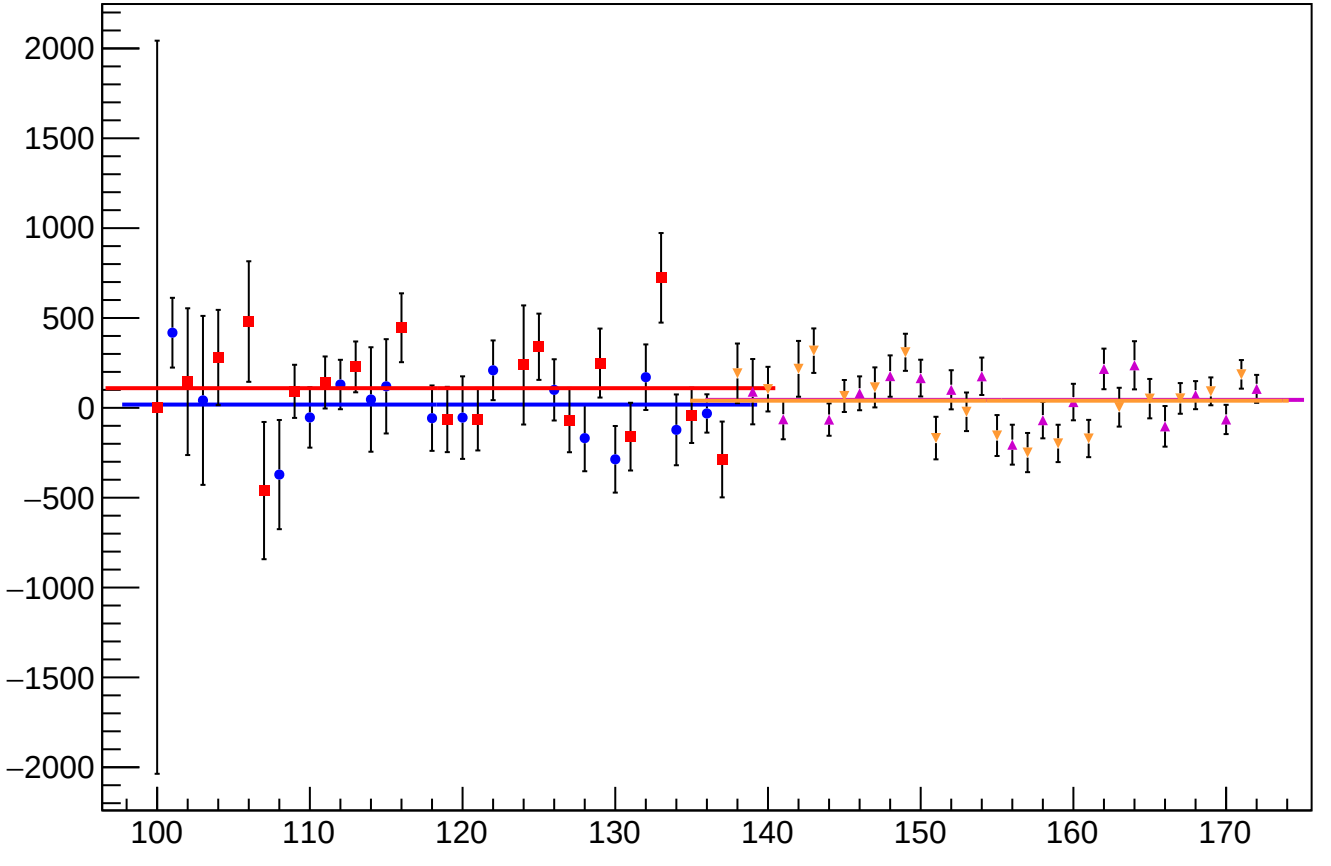
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:5913413.5/32

Out: 0.000+/-0.000 χ^2/NDF:6986977.3/36

All: 0.000+/-0.000 χ^2/NDF: 12912165.0/69

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 39.855+/-24.671 χ^2/NDF:41.4/17

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: 42.118+/-17.394 χ^2/NDF: 63.6/34

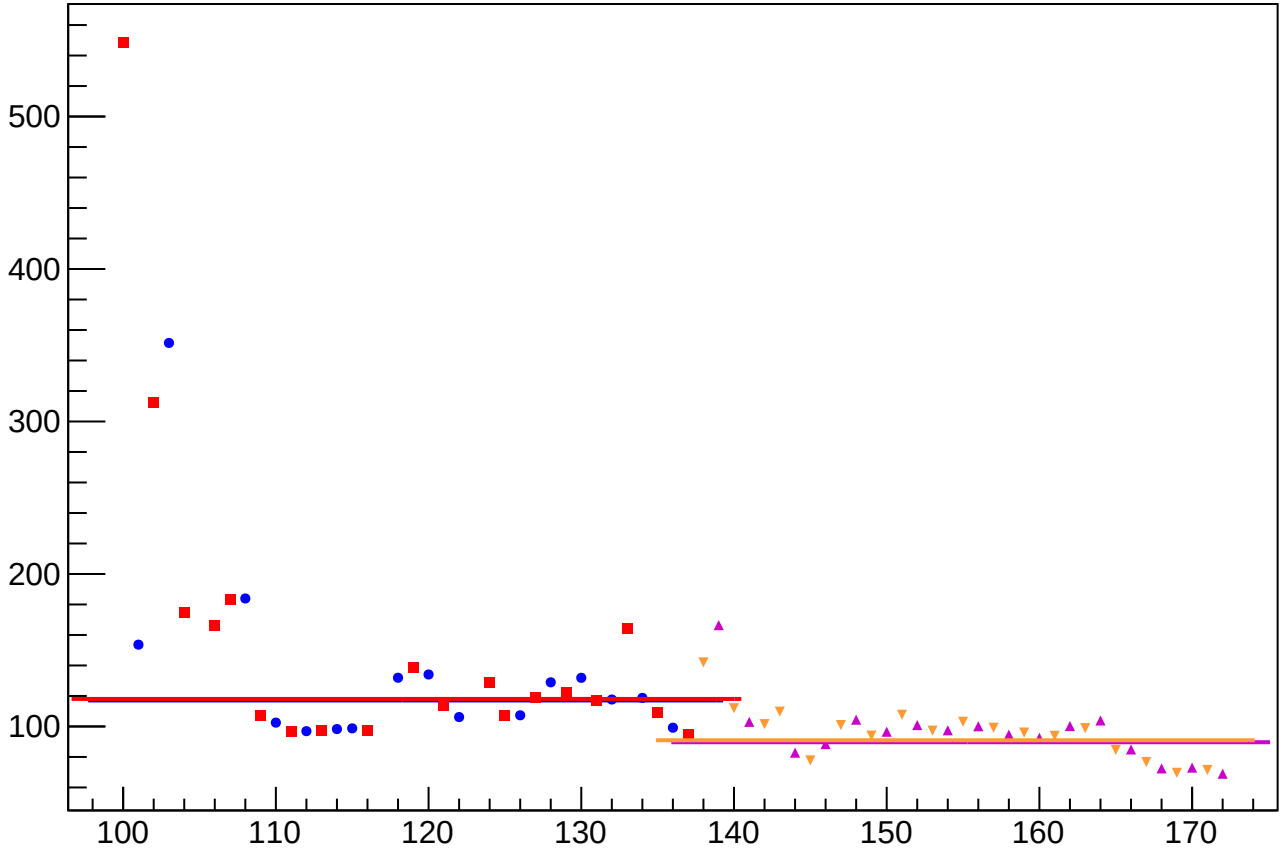
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 38.508+/-21.611 χ^2/NDF:36.2/32

Out: 55.490+/-21.723 χ^2/NDF:68.7/36

All: 46.955+/-15.321 χ^2/NDF: 105.2/69

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 90.945+/-0.017 χ^2/NDF:794746.5/17

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 89.657+/-0.017 χ^2/NDF:862015.4/16

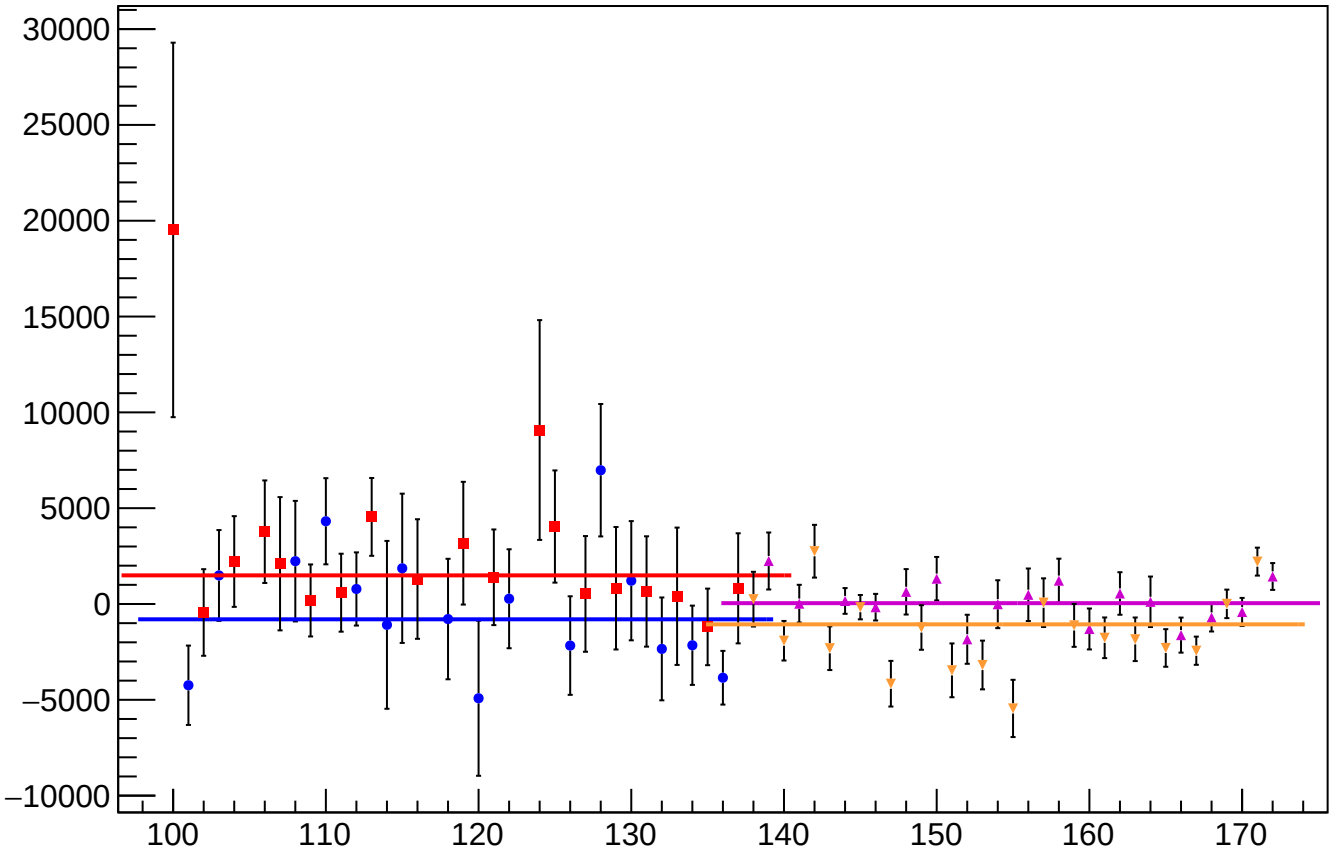
Left: 90.297+/-0.012 χ^2/NDF: 1659499.6/34

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 95.785+/-0.015 χ^2/NDF:2278729.2/32

Out: 97.037+/-0.015 χ^2/NDF:2328303.2/36

All: 96.408+/-0.011 χ^2/NDF: 4610373.8/69



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1061.290+/-236.501 χ^2/NDF:62.5/17

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 43.781+/-229.065 χ^2/NDF:17.7/16

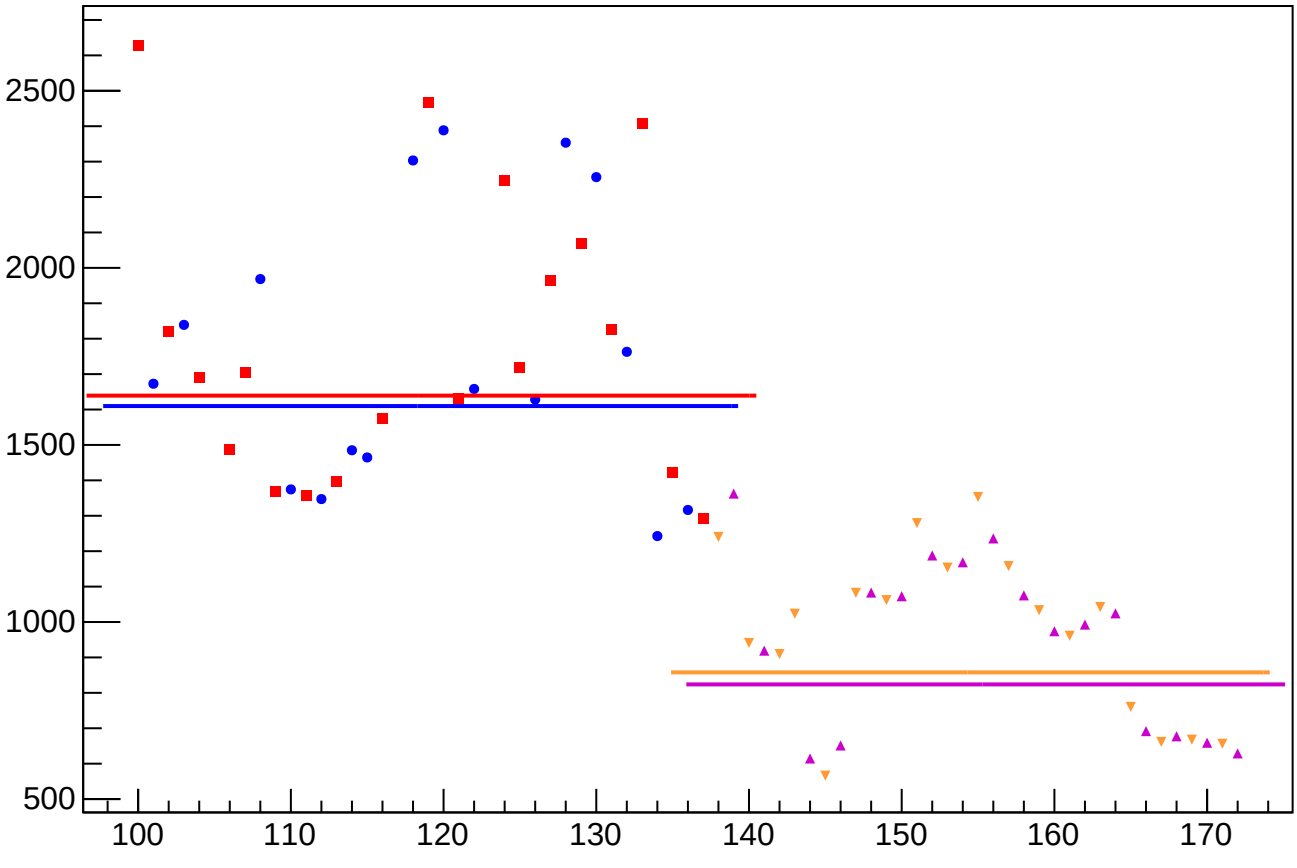
Left: -491.108+/-164.539 χ^2/NDF: 91.4/34

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: -58.614+/-214.701 χ^2/NDF:42.8/32

Out: -730.322+/-220.653 χ^2/NDF:90.5/36

All: -385.286+/-153.878 χ^2/NDF: 138.1/69



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 857.777+/-0.167 χ^2/NDF:1942143.7/17

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: 840.254+/-0.116 χ^2/NDF: 3856555.5/34

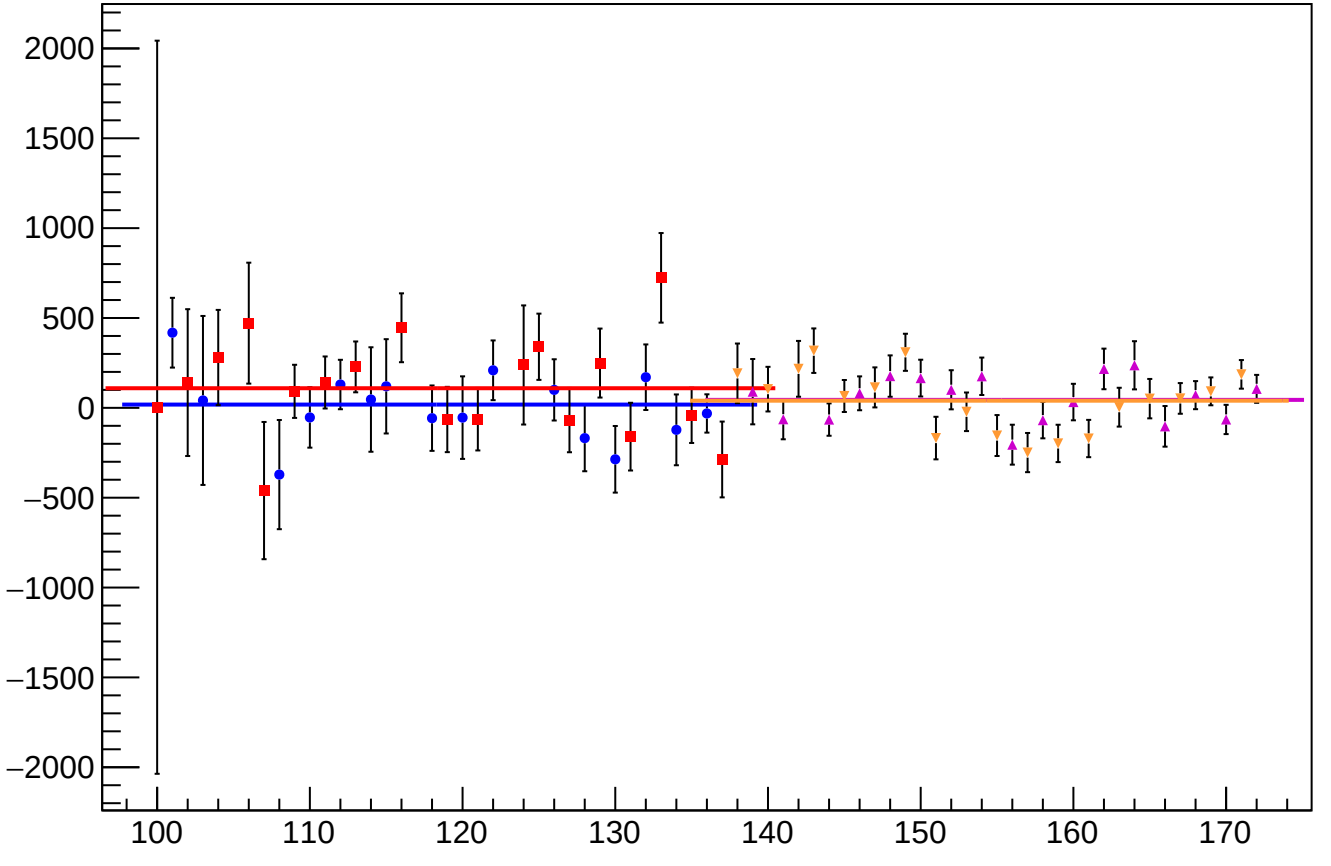
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 919.292+/-0.152 χ^2/NDF:5372593.3/32

Out: 958.999+/-0.156 χ^2/NDF:5290748.1/36

All: 938.603+/-0.109 χ^2/NDF: 10696607.9/69

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 39.859+/-24.671 χ^2/NDF:41.4/17

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: 42.120+/-17.394 χ^2/NDF: 63.6/34

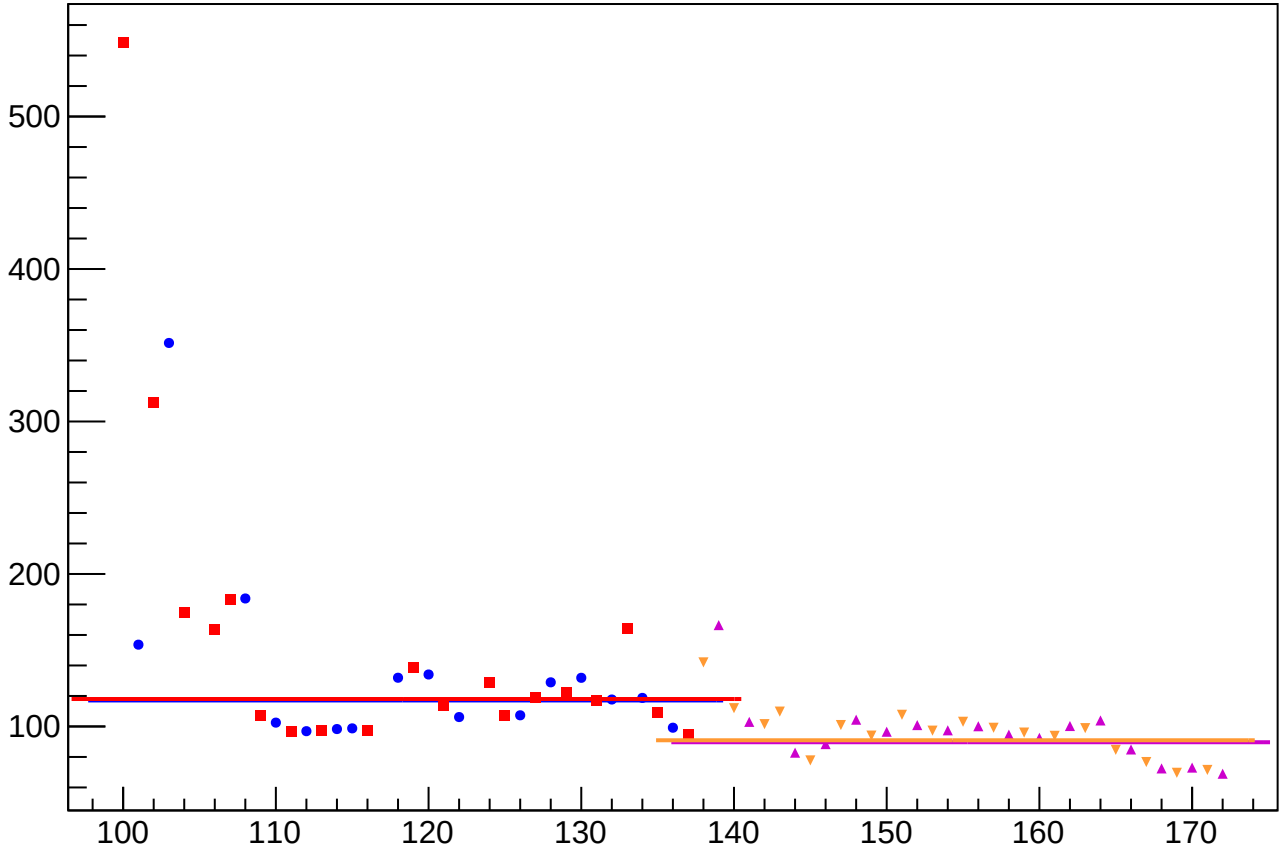
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 38.505+/-21.611 χ^2/NDF:36.2/32

Out: 55.428+/-21.723 χ^2/NDF:68.6/36

All: 46.923+/-15.321 χ^2/NDF: 105.2/69

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 90.945+/-0.017 χ^2/NDF:794746.4/17

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 89.657+/-0.017 χ^2/NDF:862015.4/16

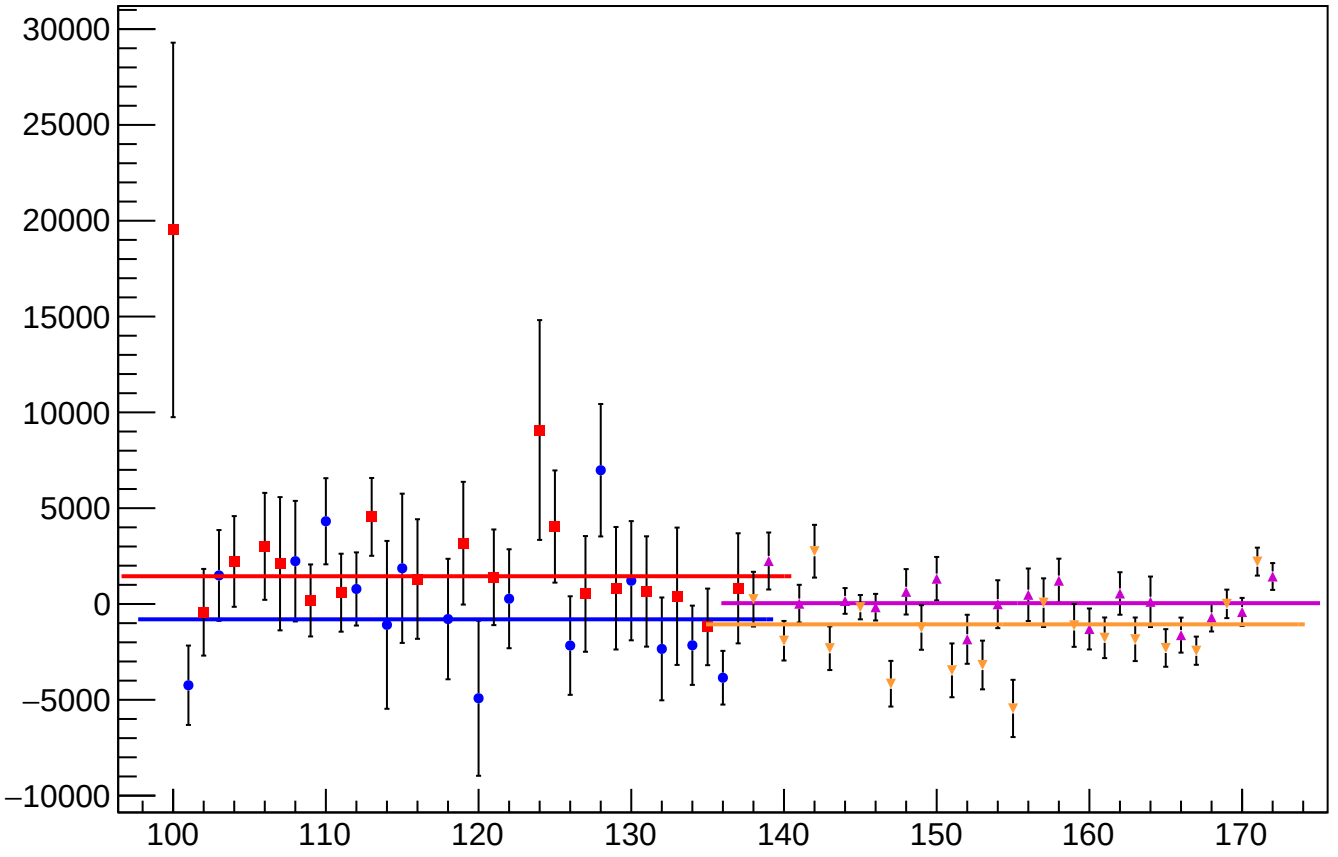
Left: 90.297+/-0.012 χ^2/NDF: 1659499.6/34

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 95.785+/-0.015 χ^2/NDF:2278730.9/32

Out: 97.025+/-0.015 χ^2/NDF:2321982.2/36

All: 96.402+/-0.011 χ^2/NDF: 4603989.5/69



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1061.281+/-236.501 χ^2/NDF:62.5/17

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 43.784+/-229.065 χ^2/NDF:17.7/16

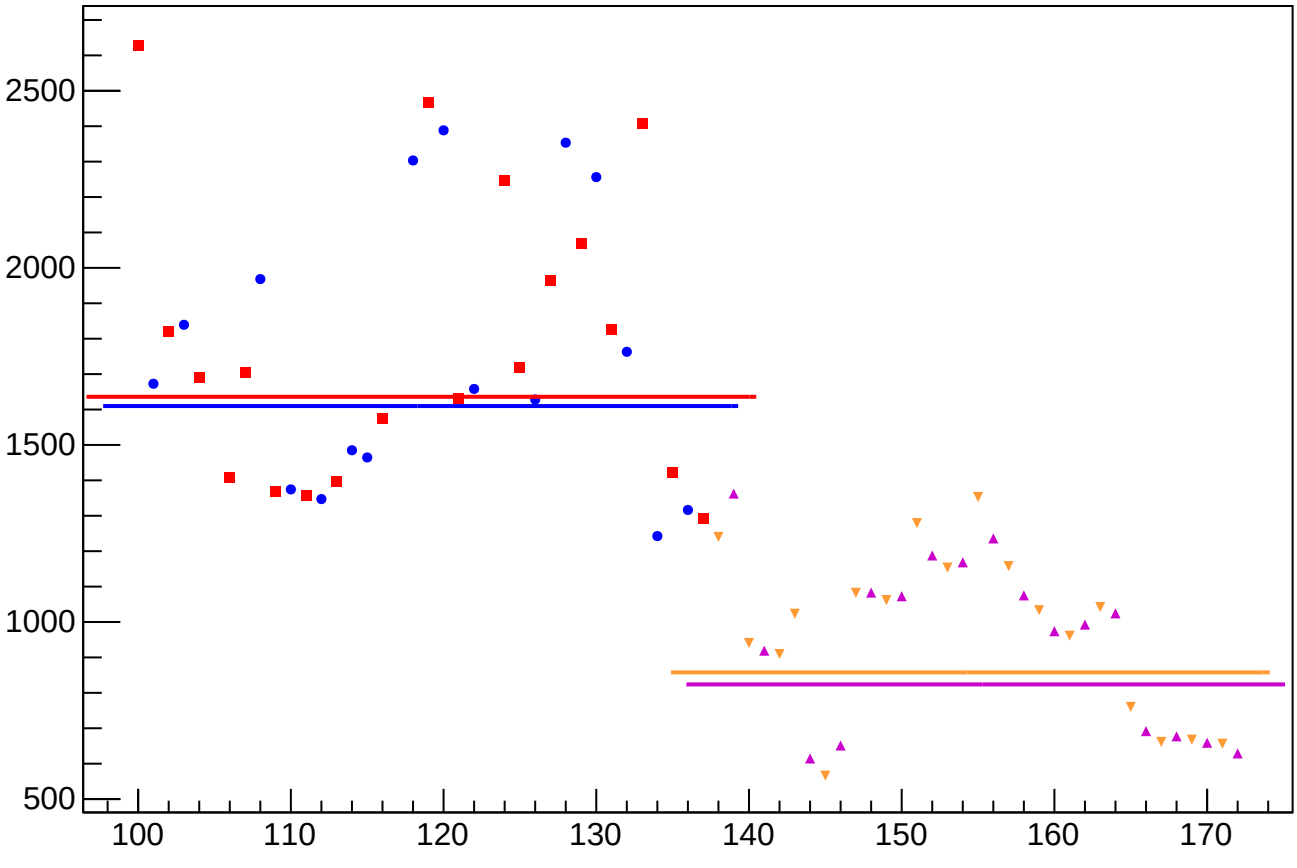
Left: -491.103+/-164.539 χ^2/NDF: 91.4/34

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -58.608+/-214.702 χ^2/NDF:42.8/32

Out: -737.443+/-220.716 χ^2/NDF:89.5/36

All: -388.651+/-153.899 χ^2/NDF: 137.1/69



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 857.776+/-0.167 χ^2/NDF:1942149.3/17

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 823.815+/-0.162 χ^2/NDF:1893131.0/16

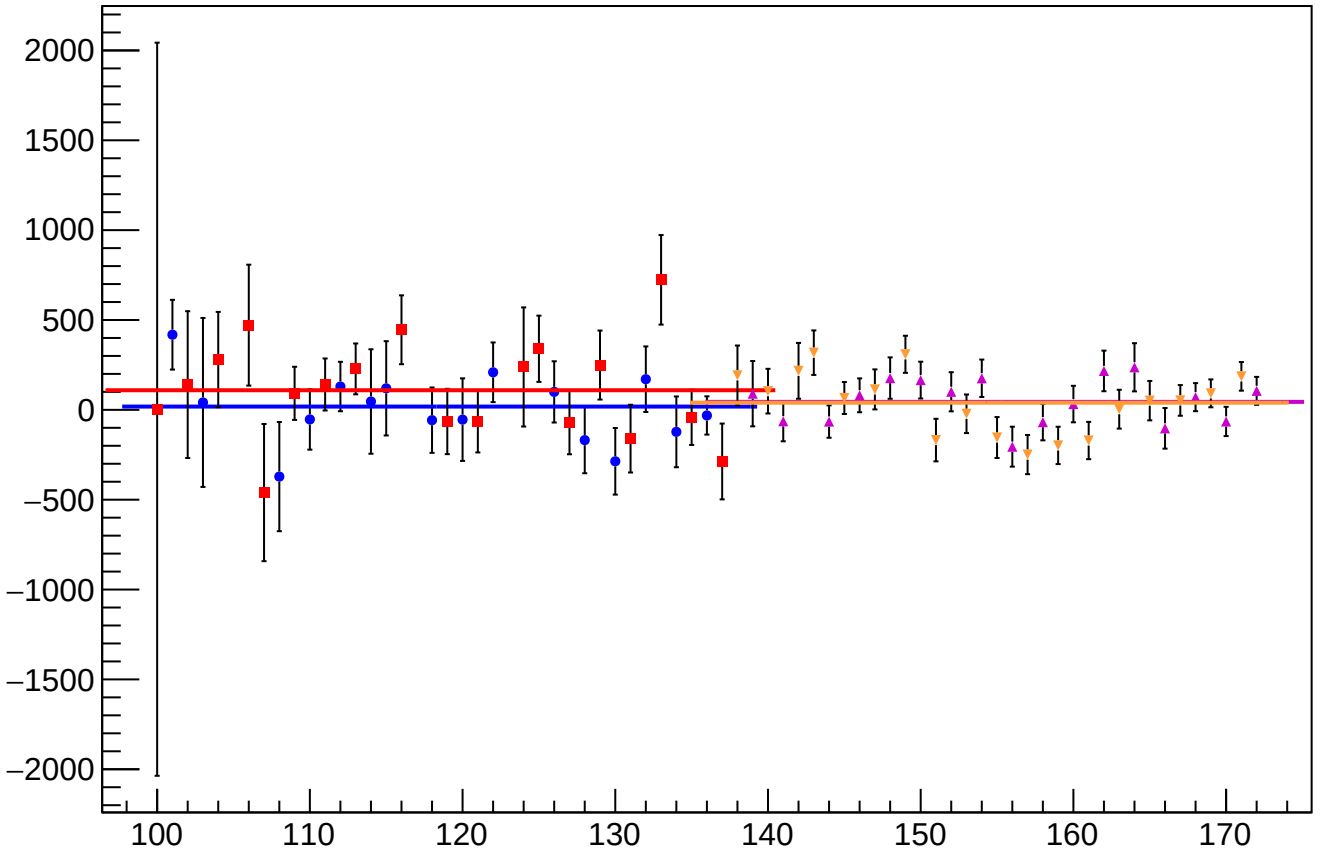
Left: 840.254+/-0.116 χ^2/NDF: 3856559.5/34

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 919.292+/-0.152 χ^2/NDF:5372652.9/32

Out: 958.200+/-0.156 χ^2/NDF:5264612.2/36

All: 938.209+/-0.109 χ^2/NDF: 10669197.4/69



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 39.859+/-24.671 χ^2/NDF:41.4/17

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 44.355+/-24.526 χ^2/NDF:22.1/16

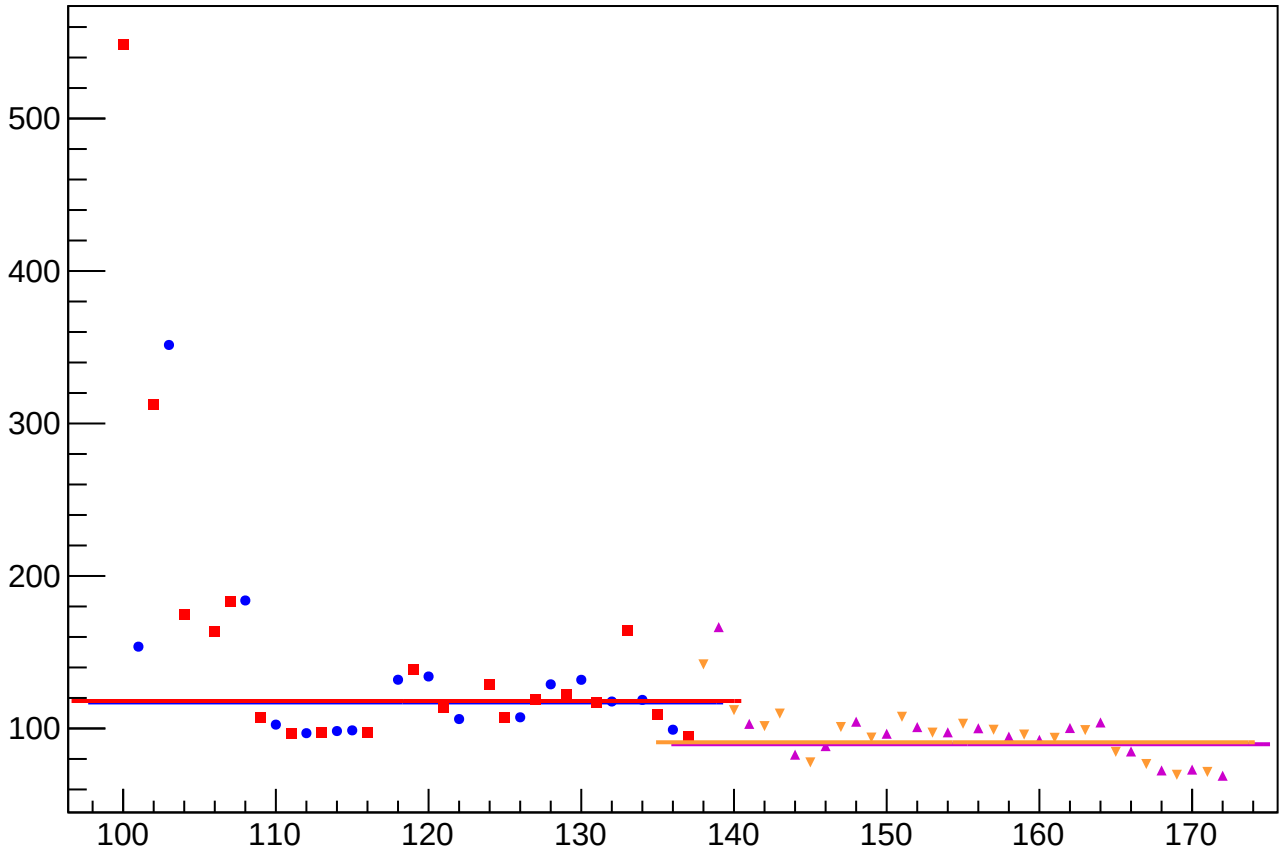
Left: 42.120+/-17.394 χ^2/NDF: 63.6/34

Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 38.505+/-21.611 χ^2/NDF:36.2/32

Out: 55.428+/-21.723 χ^2/NDF:68.6/36

All: 46.923+/-15.321 χ^2/NDF: 105.2/69



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 90.945+/-0.017 χ^2/NDF:794746.4/17

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 89.657+/-0.017 χ^2/NDF:862015.4/16

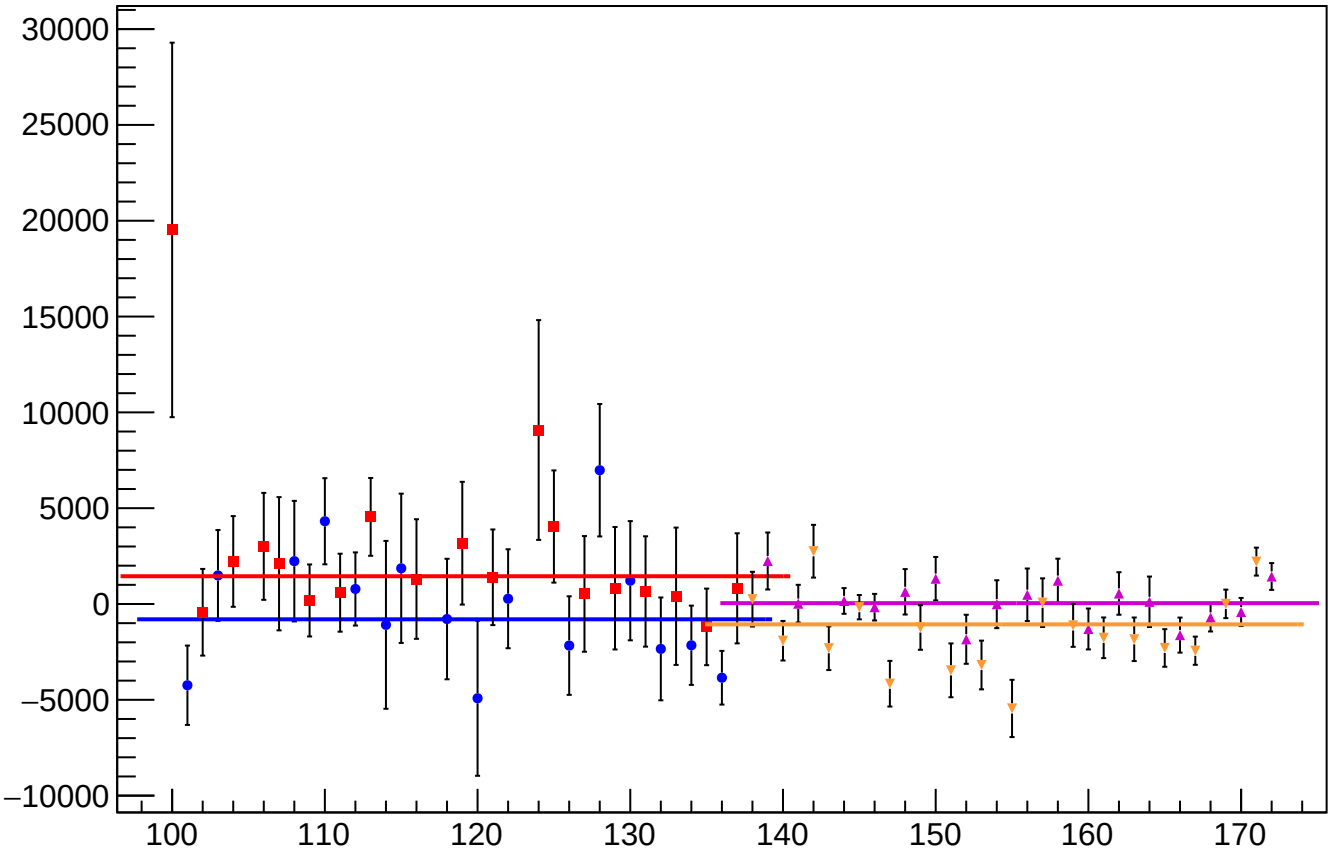
Left: 90.297+/-0.012 χ^2/NDF: 1659499.6/34

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 95.785+/-0.015 χ^2/NDF:2278730.9/32

Out: 97.025+/-0.015 χ^2/NDF:2321982.2/36

All: 96.402+/-0.011 χ^2/NDF: 4603989.5/69



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1061.281+/-236.501 χ^2/NDF:62.5/17

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 43.784+/-229.065 χ^2/NDF:17.7/16

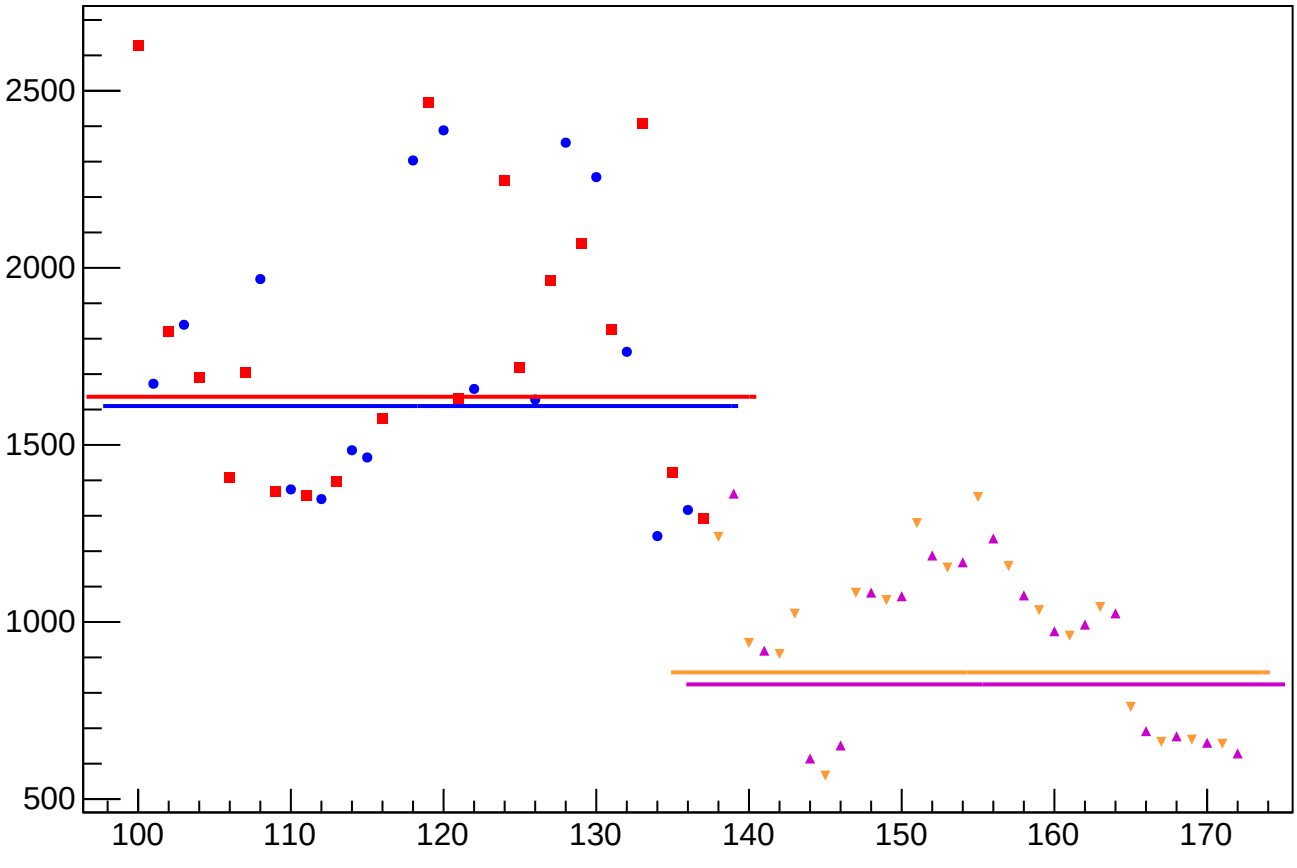
Left: -491.103+/-164.539 χ^2/NDF: 91.4/34

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -58.608+/-214.702 χ^2/NDF:42.8/32

Out: -737.443+/-220.716 χ^2/NDF:89.5/36

All: -388.651+/-153.899 χ^2/NDF: 137.1/69



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 857.776+/-0.167 χ^2/NDF:1942149.3/17

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: 840.254+/-0.116 χ^2/NDF: 3856559.5/34

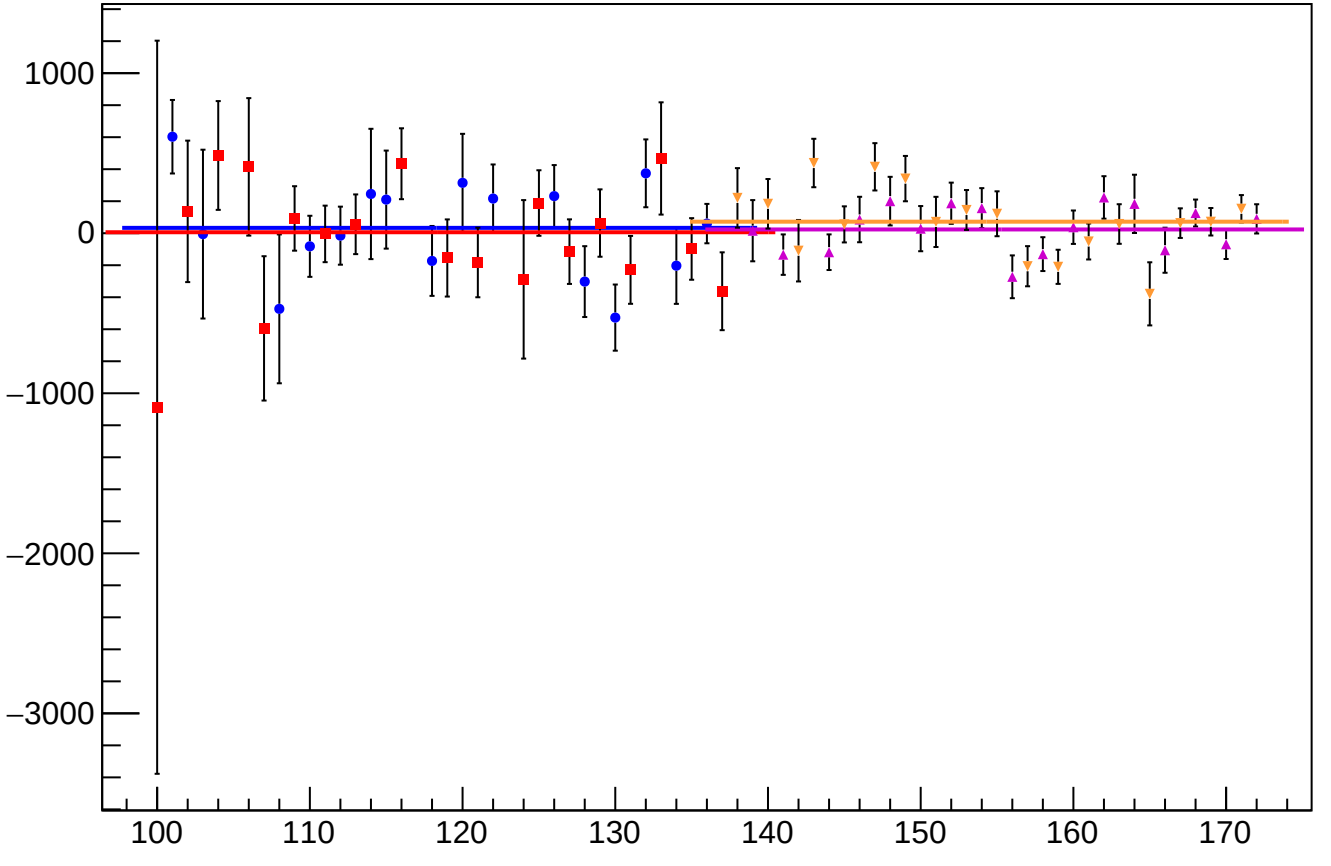
Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 919.292+/-0.152 χ^2/NDF:5372652.9/32

Out: 958.200+/-0.156 χ^2/NDF:5264612.2/36

All: 938.209+/-0.109 χ^2/NDF: 10669197.4/69

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 72.071+/-29.085 χ^2/NDF:36.7/17

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: 47.710+/-20.527 χ^2/NDF: 59.5/34

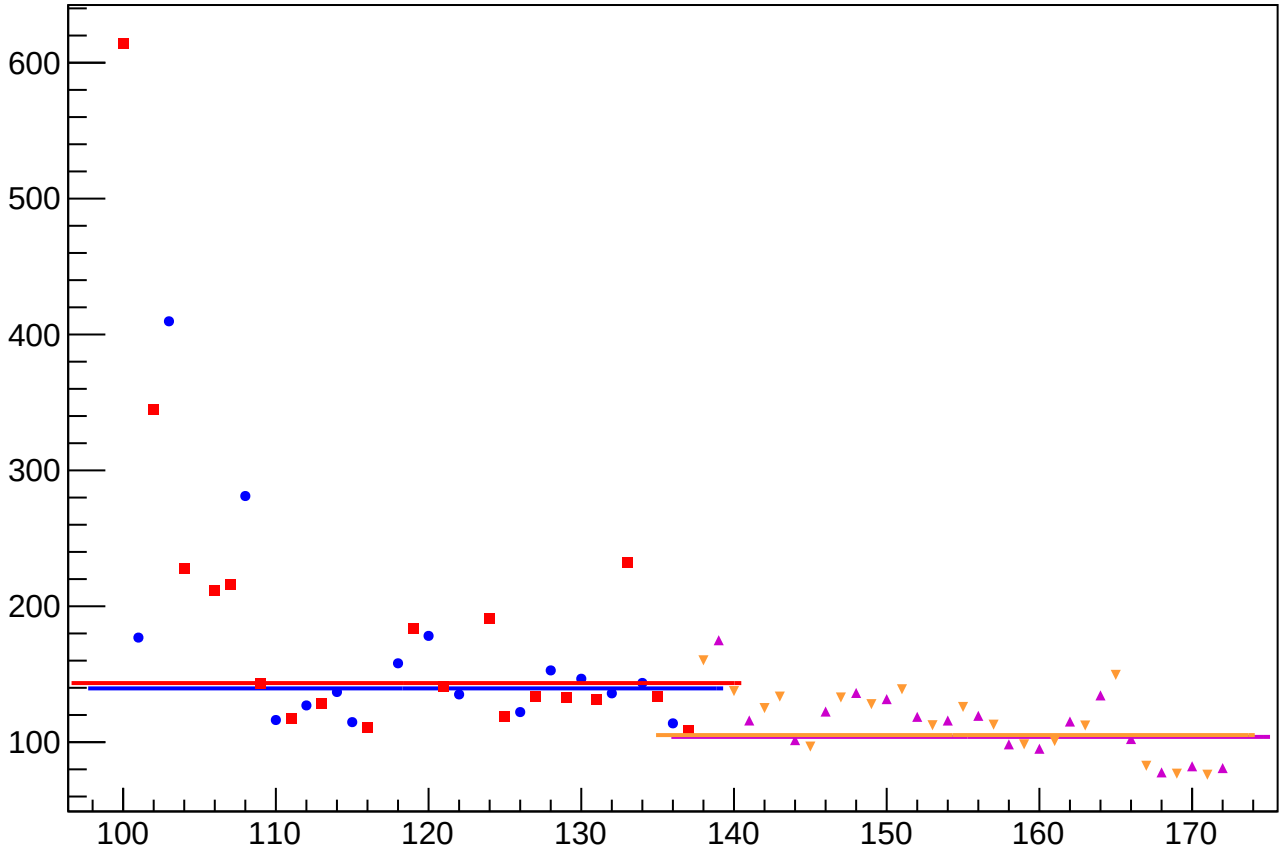
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 25.699+/-25.625 χ^2/NDF:46.6/32

Out: 58.093+/-25.820 χ^2/NDF:55.1/36

All: 41.773+/-18.188 χ^2/NDF: 102.5/69

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 105.213+/-0.021 χ^2/NDF:1325542.2/17

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 103.877+/-0.020 χ^2/NDF:1089258.6/16

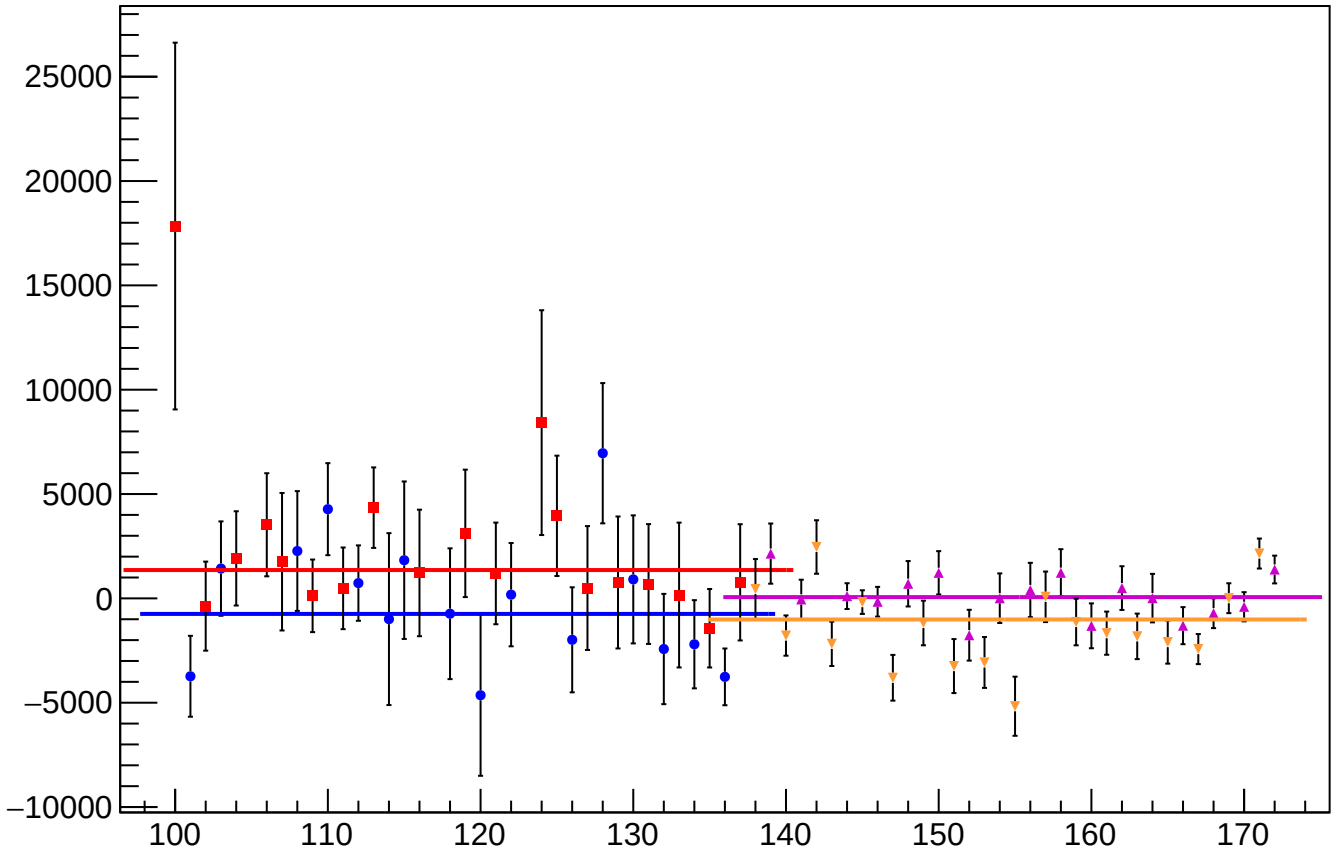
Left: 104.542+/-0.015 χ^2/NDF: 2416917.8/34

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 111.650+/-0.018 χ^2/NDF:2726940.3/32

Out: 113.321+/-0.018 χ^2/NDF:3175847.4/36

All: 112.479+/-0.013 χ^2/NDF: 5907010.8/69



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1011.629+/-225.485 χ^2/NDF:61.5/17

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 60.792+/-219.408 χ^2/NDF:16.9/16

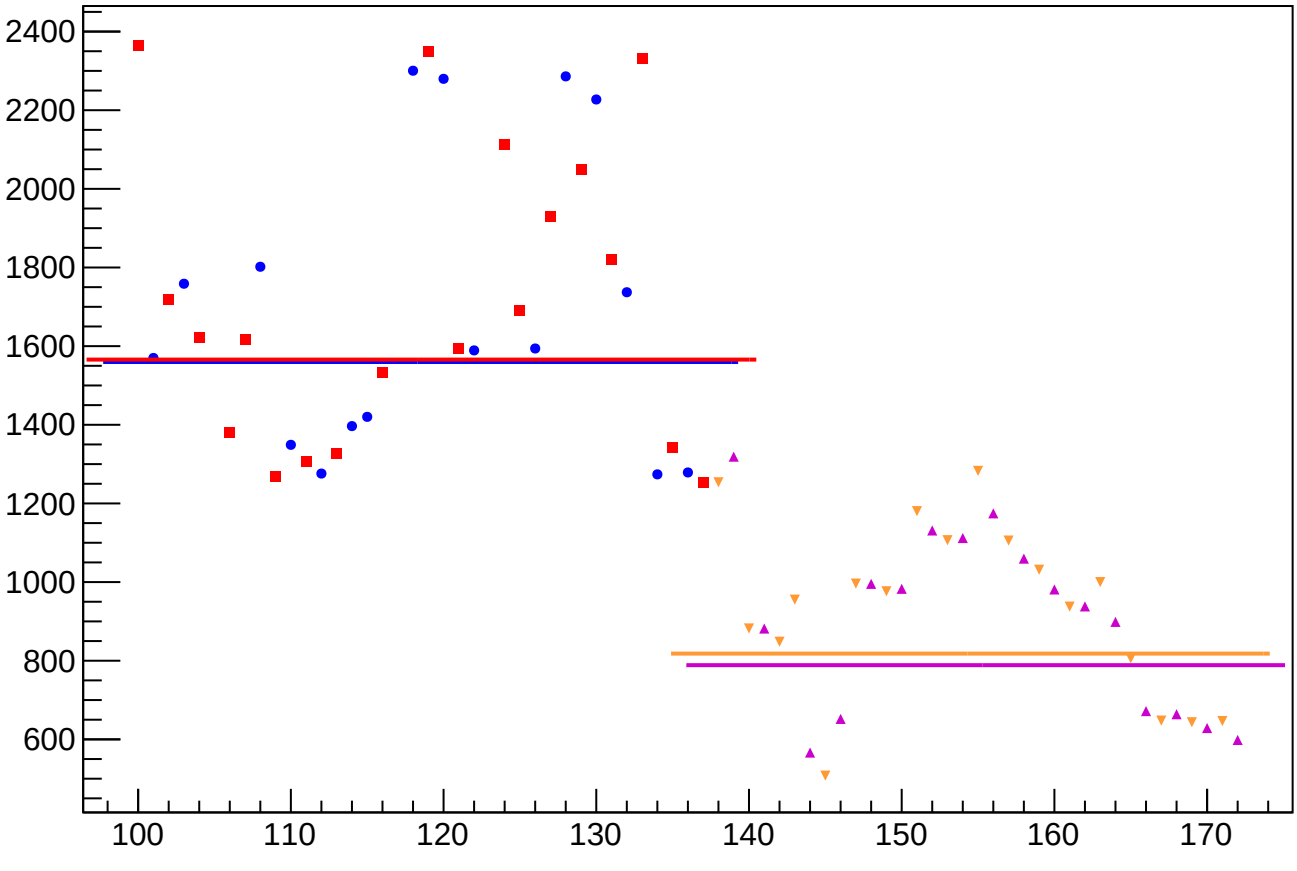
Left: -460.773+/-157.250 χ^2/NDF: 90.0/34

Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: -35.394+/-205.892 χ^2/NDF:42.0/32

Out: -705.869+/-210.435 χ^2/NDF:89.3/36

All: -363.316+/-147.167 χ^2/NDF: 136.5/69



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 818.143+/-0.159 χ^2/NDF:2022643.9/17

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 788.716+/-0.155 χ^2/NDF:1848553.4/16

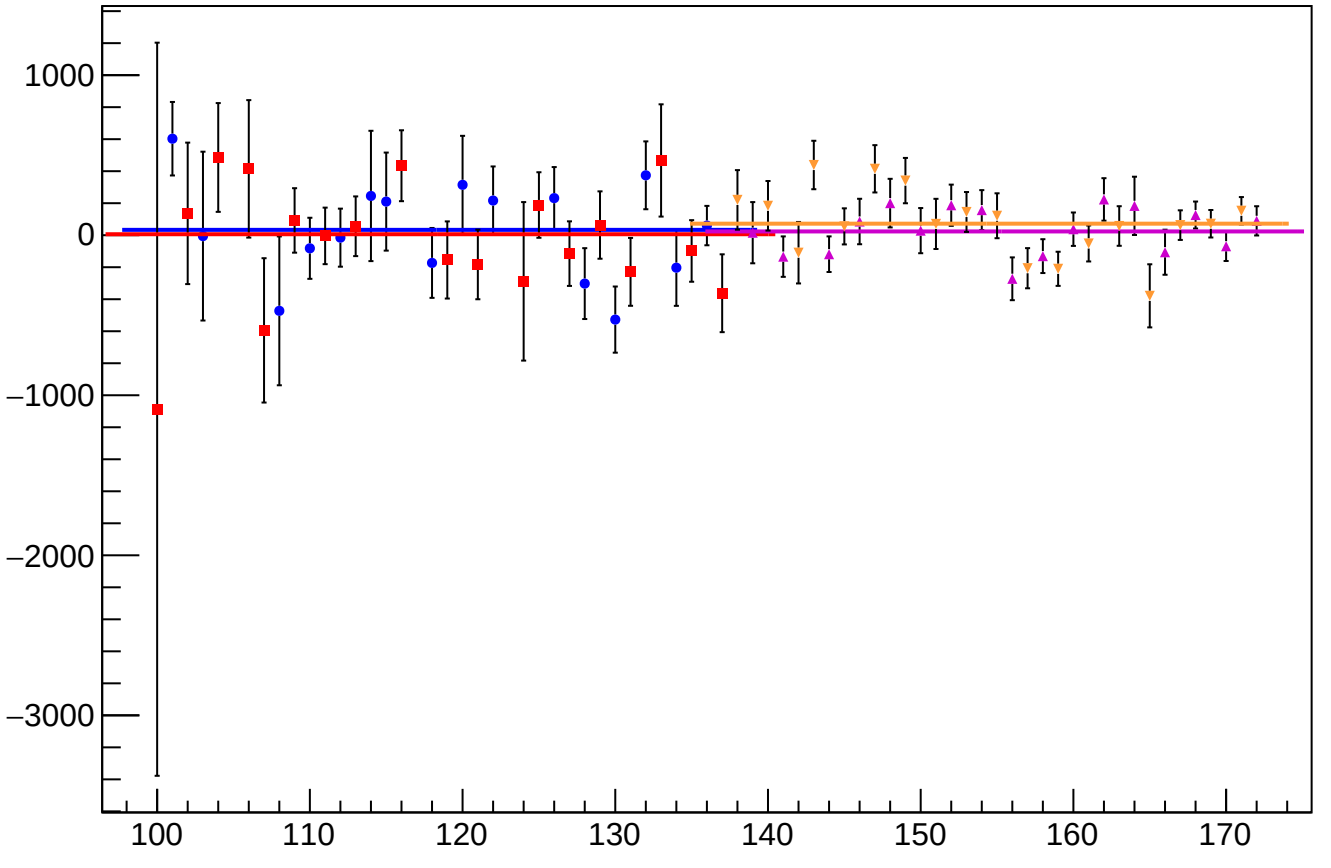
Left: 803.028+/-0.111 χ^2/NDF: 3888694.3/34

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 880.788+/-0.146 χ^2/NDF:5402041.5/32

Out: 914.622+/-0.149 χ^2/NDF:5423961.6/36

All: 897.336+/-0.104 χ^2/NDF: 10852417.4/69



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 72.072+/-29.085 χ^2/NDF:36.7/17

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: 23.534+/-28.973 χ^2/NDF:21.4/16

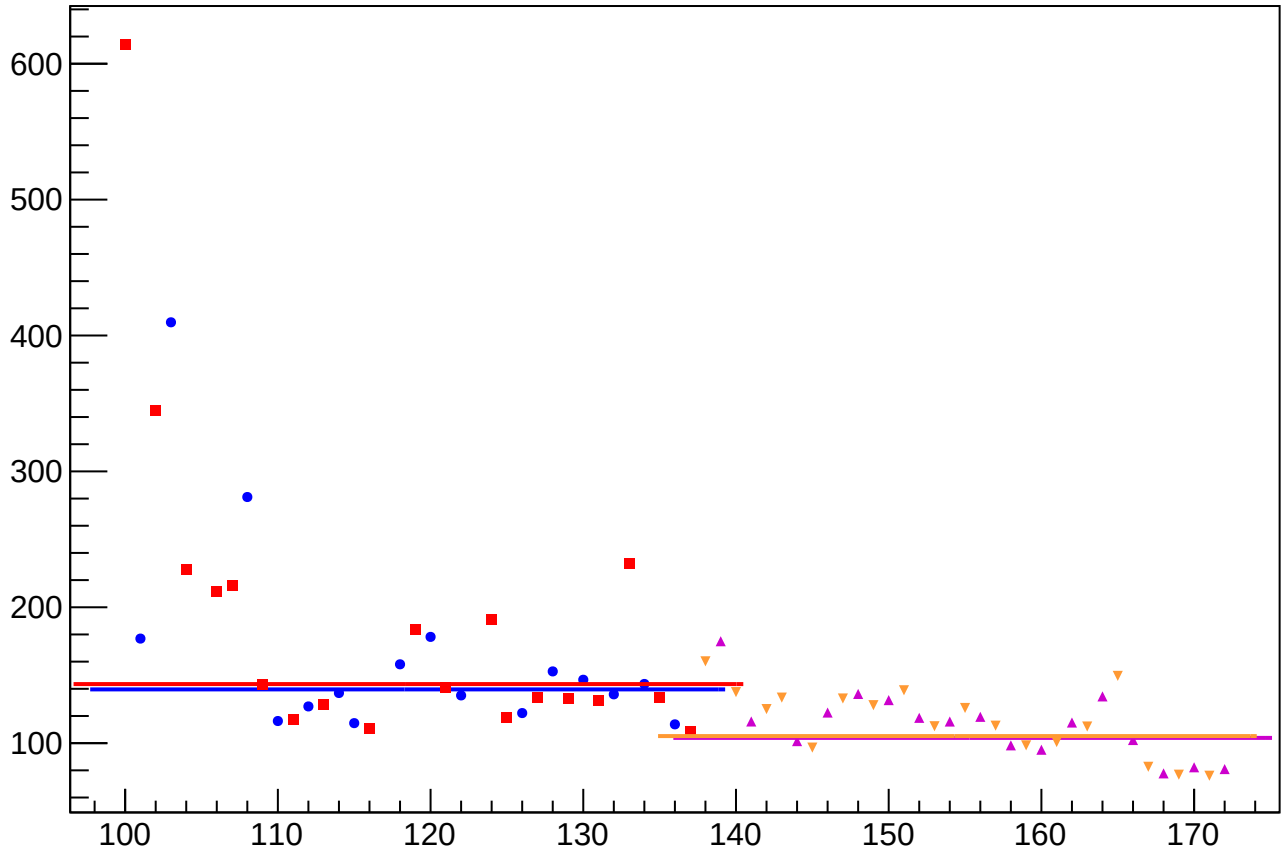
Left: 47.710+/-20.527 χ^2/NDF: 59.5/34

Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 25.698+/-25.625 χ^2/NDF:46.6/32

Out: 58.093+/-25.820 χ^2/NDF:55.1/36

All: 41.772+/-18.188 χ^2/NDF: 102.5/69



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 105.213+/-0.021 χ^2/NDF:1325571.3/17

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 103.877+/-0.020 χ^2/NDF:1089272.8/16

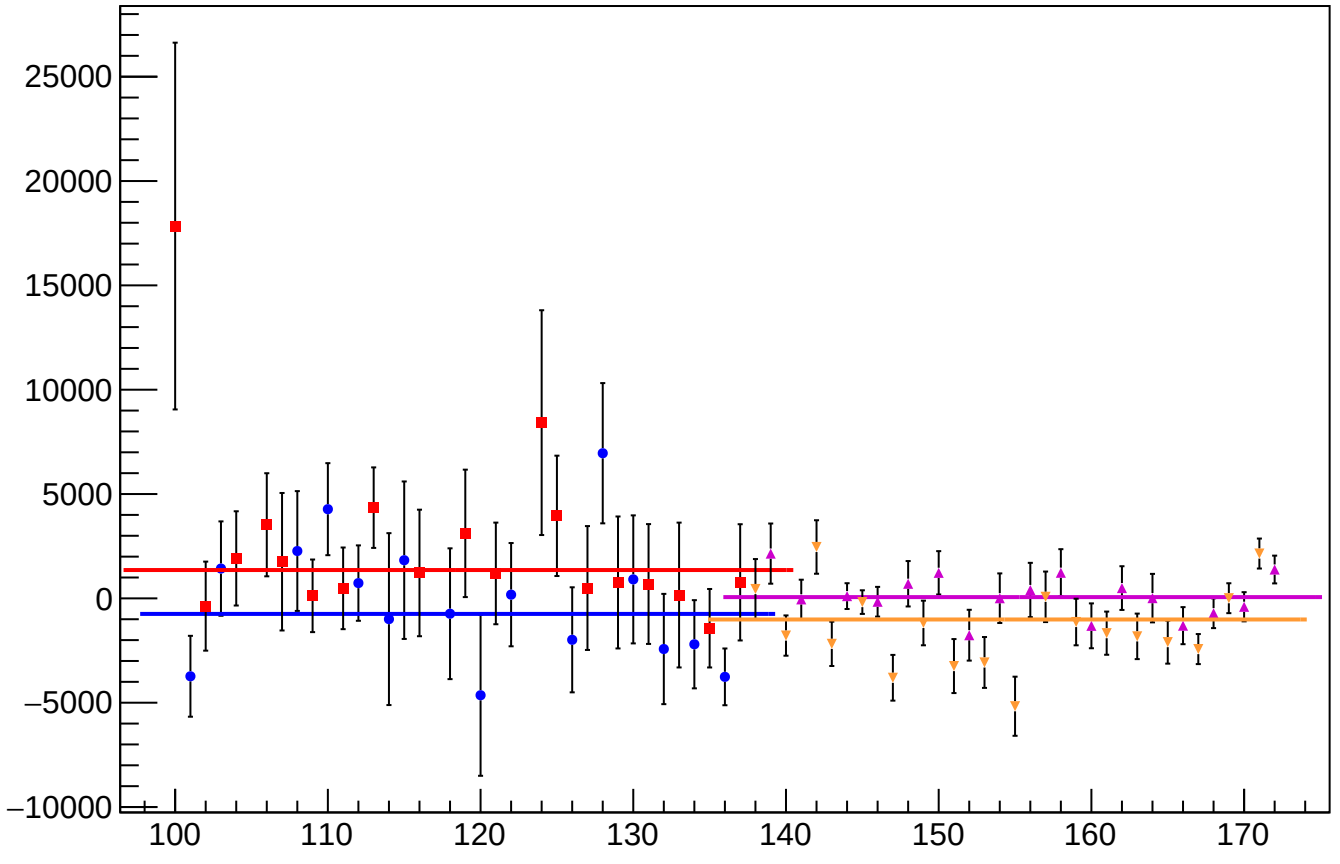
Left: 104.543+/-0.015 χ^2/NDF: 2416960.9/34

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 111.650+/-0.018 χ^2/NDF:2726951.7/32

Out: 113.322+/-0.018 χ^2/NDF:3175884.5/36

All: 112.480+/-0.013 χ^2/NDF: 5907059.3/69



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1011.630+/-225.485 χ^2/NDF:61.5/17

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 60.791+/-219.408 χ^2/NDF:16.9/16

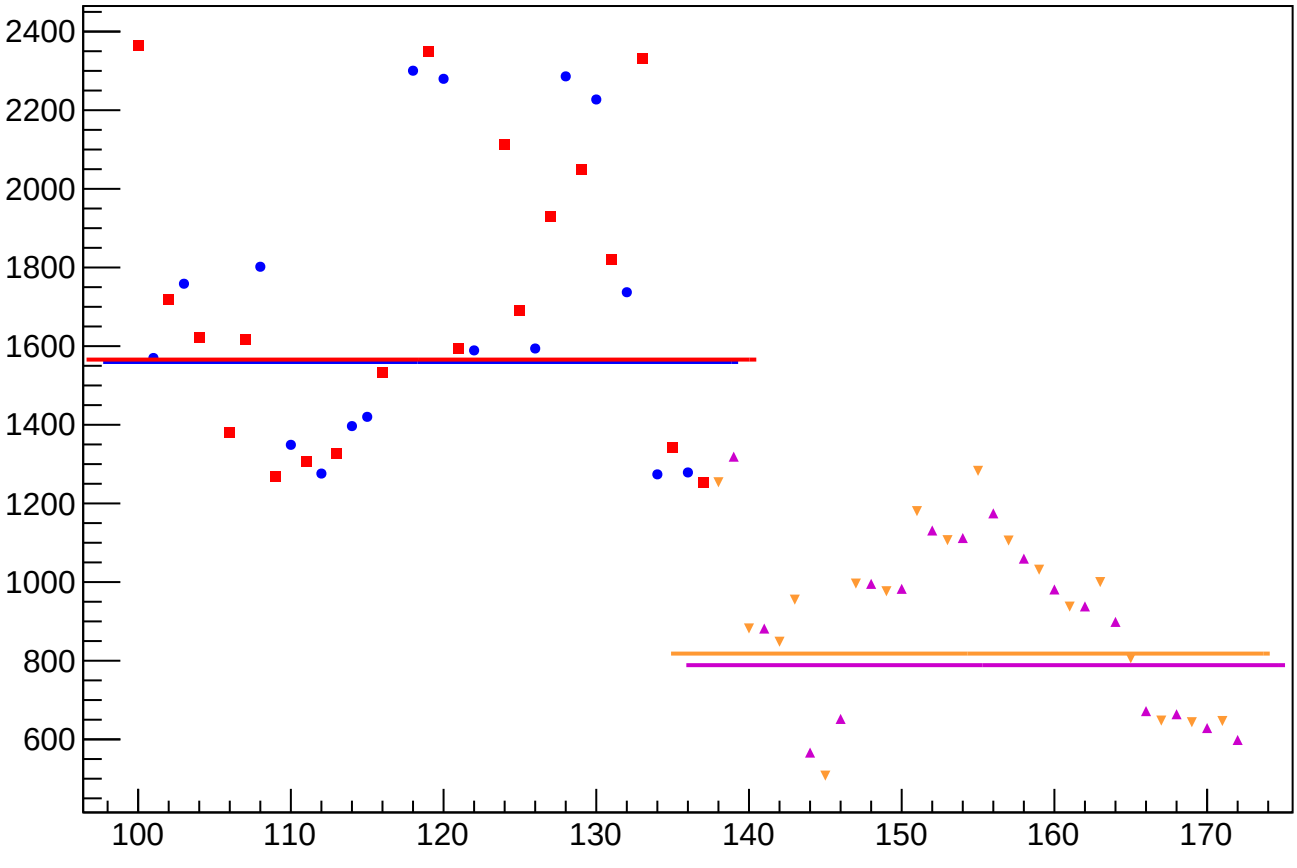
Left: -460.774+/-157.249 χ^2/NDF: 90.0/34

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: -35.395+/-205.891 χ^2/NDF:42.0/32

Out: -705.870+/-210.434 χ^2/NDF:89.3/36

All: -363.317+/-147.167 χ^2/NDF: 136.5/69



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 818.143+/-0.159 χ^2/NDF:2022638.0/17

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: 803.027+/-0.111 χ^2/NDF: 3888684.2/34

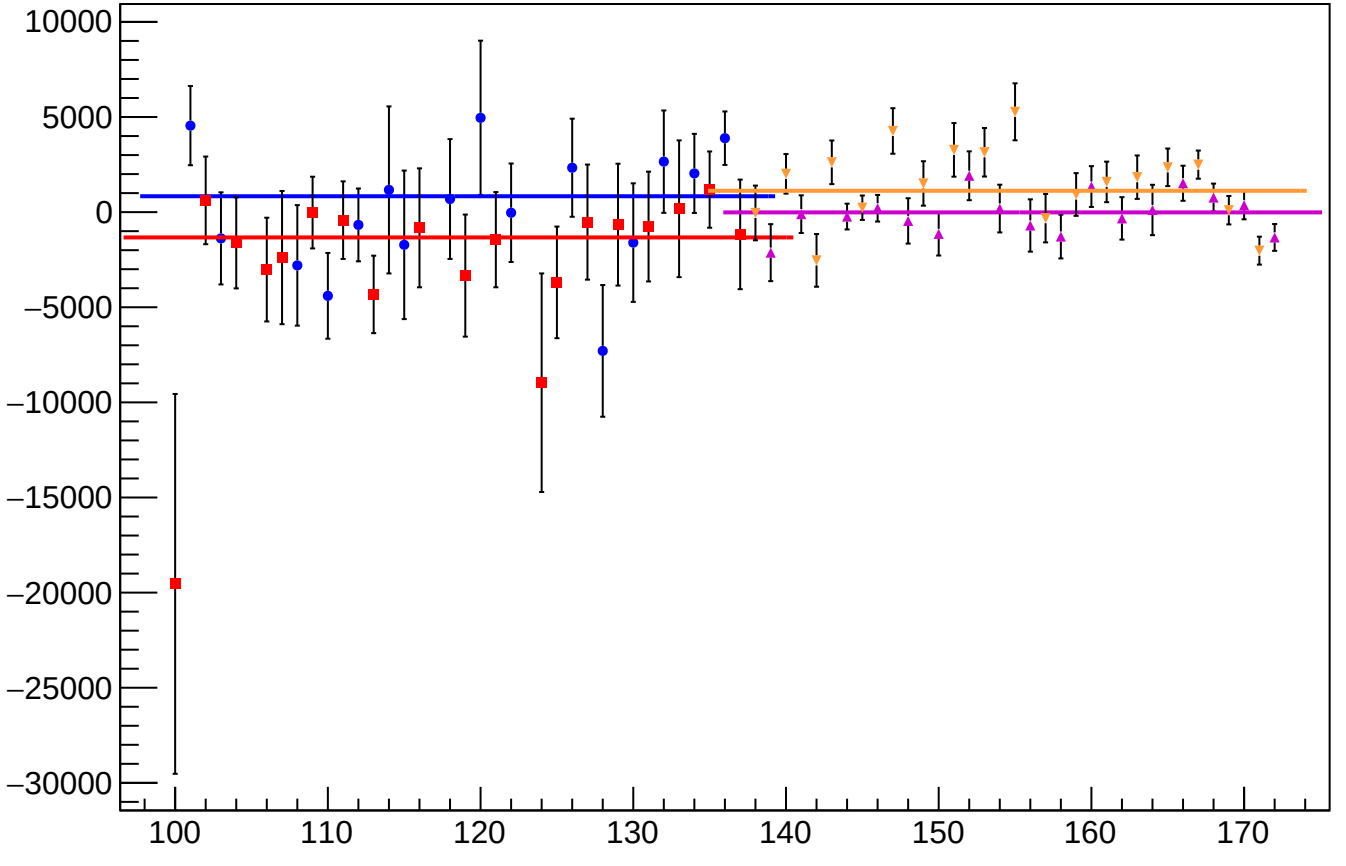
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 880.787+/-0.146 χ^2/NDF:5402037.5/32

Out: 914.621+/-0.149 χ^2/NDF:5423950.6/36

All: 897.335+/-0.104 χ^2/NDF: 10852402.5/69

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1122.965+/-237.961 χ^2/NDF:58.7/17

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: -13.097+/-230.575 χ^2/NDF:16.4/16

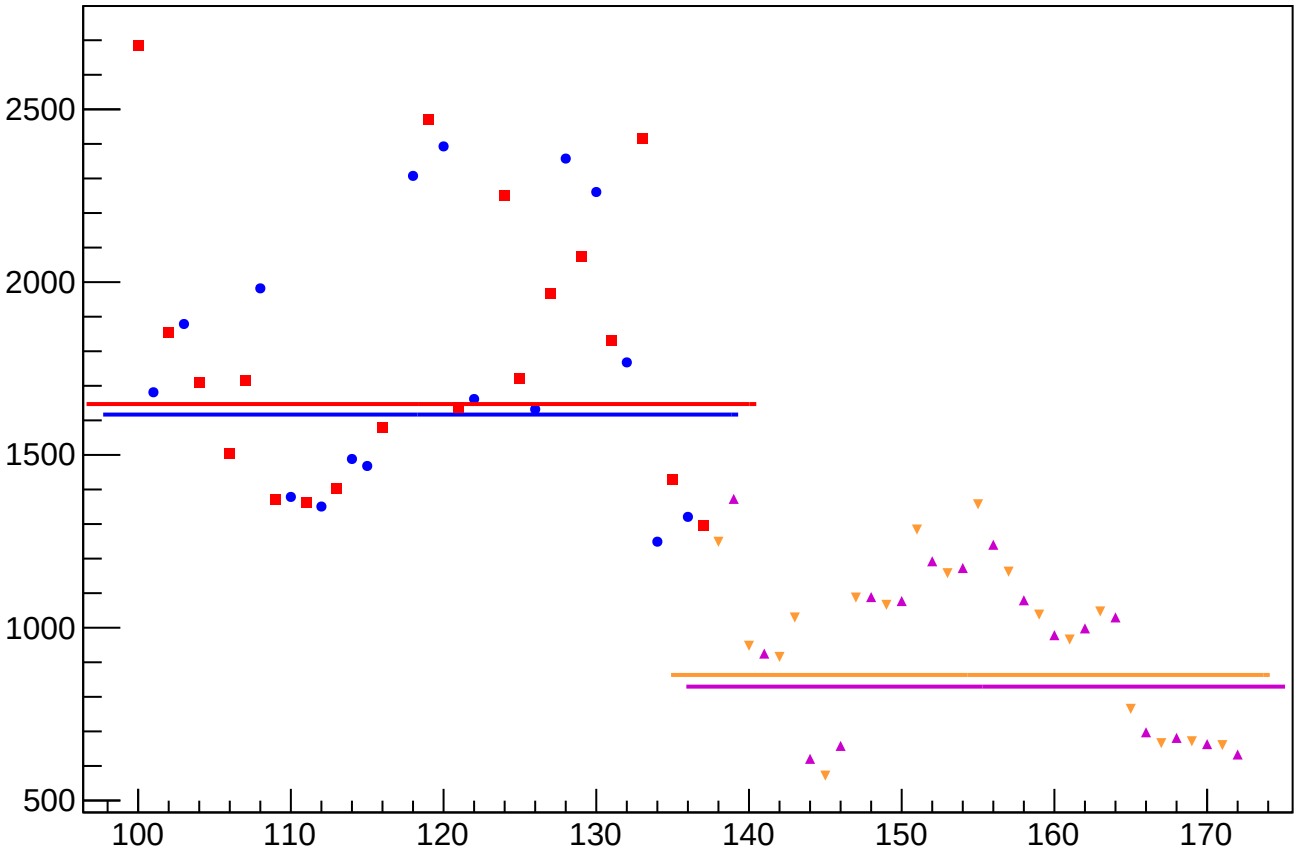
Left: 537.031+/-165.591 χ^2/NDF: 86.8/34

Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 90.366+/-216.062 χ^2/NDF:43.0/32

Out: 804.892+/-221.994 χ^2/NDF:84.5/36

All: 437.955+/-154.834 χ^2/NDF: 132.8/69



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 863.372+/-0.168 χ^2/NDF:1921390.1/17

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 829.574+/-0.163 χ^2/NDF:1872621.2/16

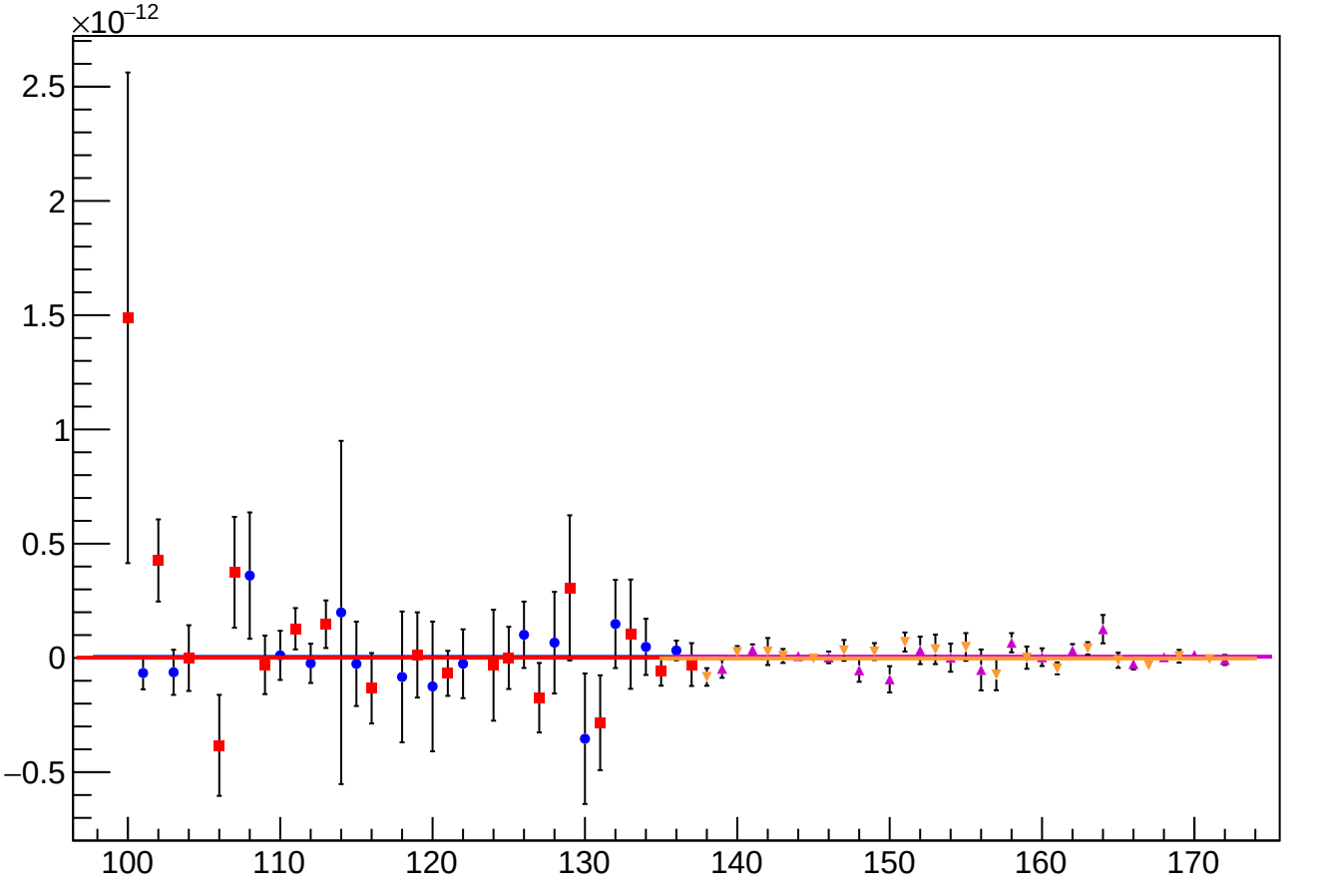
Left: 845.941+/-0.117 χ^2/NDF: 3814820.3/34

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 925.555+/-0.153 χ^2/NDF:5337341.5/32

Out: 965.033+/-0.157 χ^2/NDF:5259801.7/36

All: 944.760+/-0.109 χ^2/NDF: 10629623.8/69



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.3/17

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:17.6/16

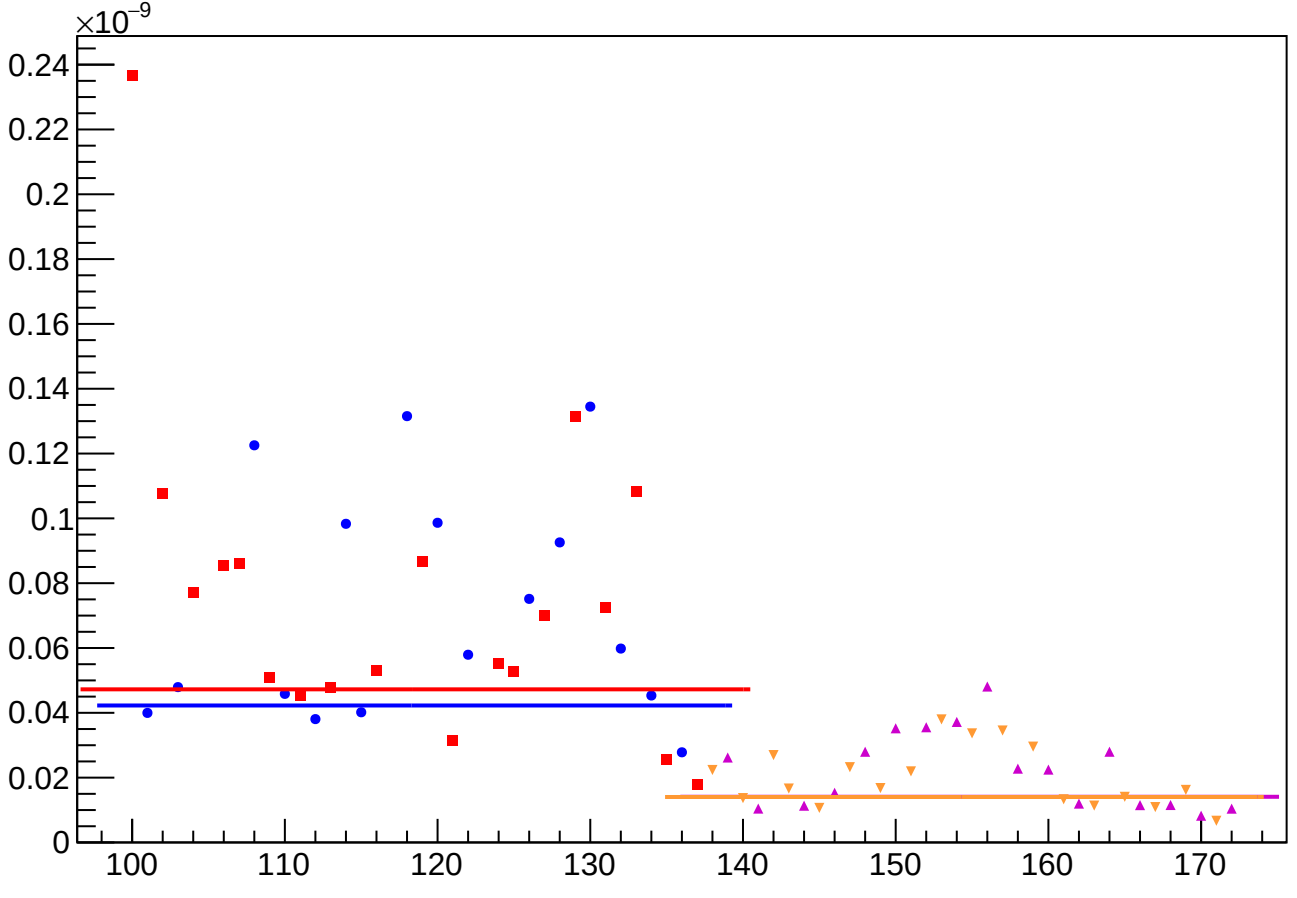
Left: 0.000+/-0.000 χ^2/NDF: 38.5/34

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:43.7/36

All: 0.000+/-0.000 χ^2/NDF: 68.7/69



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1747881.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2129352.2/16

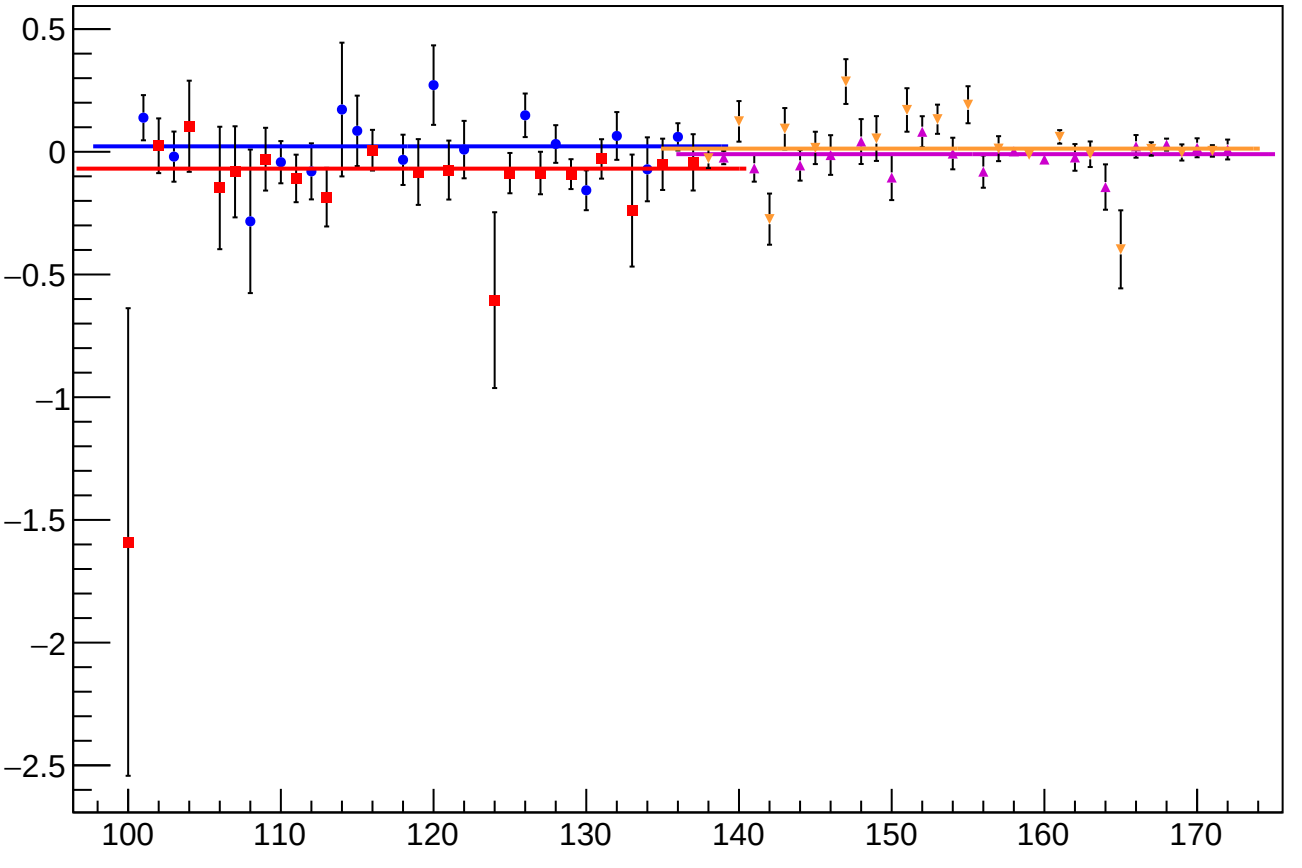
Left: 0.000+/-0.000 χ^2/NDF: 3877316.8/34

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:5440168.7/36

All: 0.000+/-0.000 χ^2/NDF: 10721205.6/69



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:46.2/17

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.008 χ^2/NDF:14.8/16

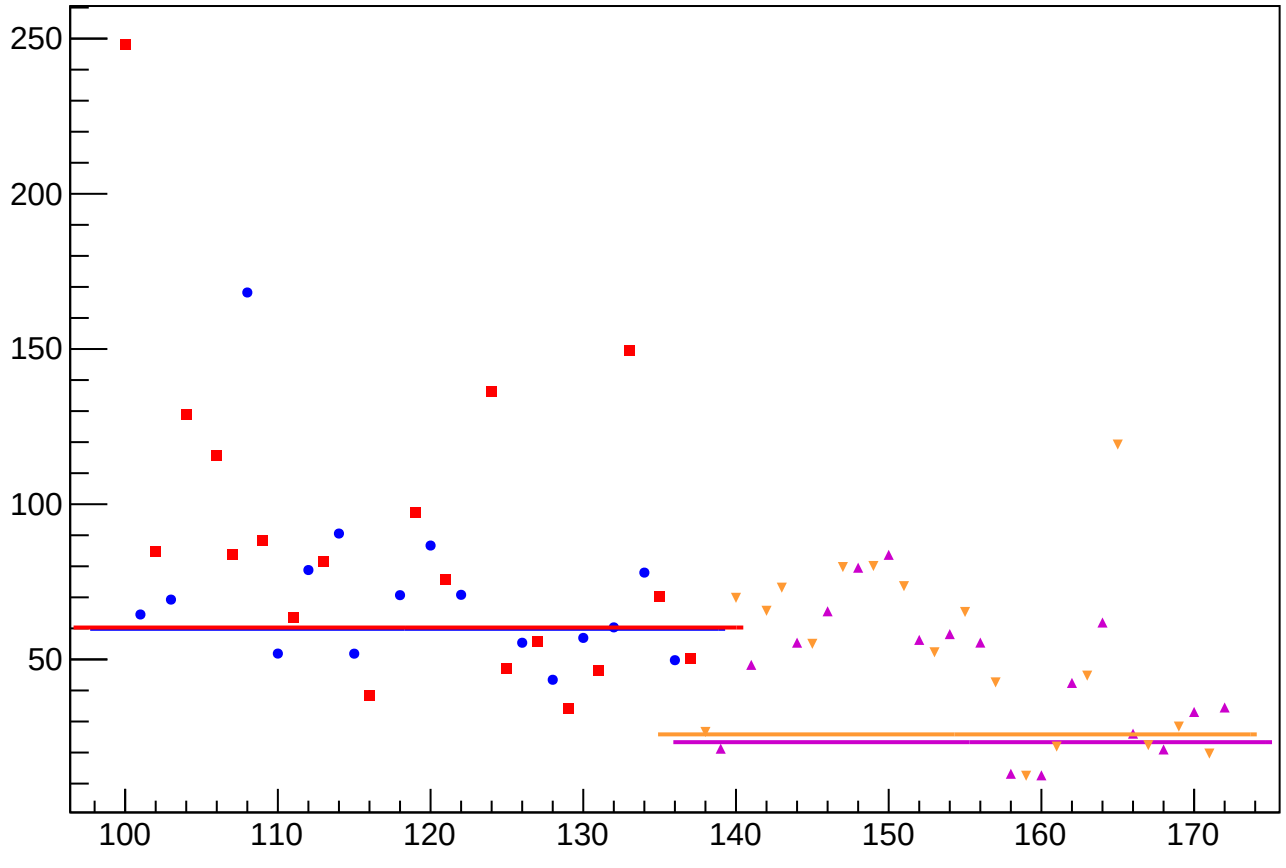
Left: 0.001+/-0.006 χ^2/NDF: 64.4/34

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.006+/-0.008 χ^2/NDF:31.8/32

Out: 0.004+/-0.008 χ^2/NDF:65.0/36

All: -0.002+/-0.006 χ^2/NDF: 97.6/69



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 25.855+/-0.006 χ^2/NDF:7686439.8/17

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 23.345+/-0.006 χ^2/NDF:7290260.3/16

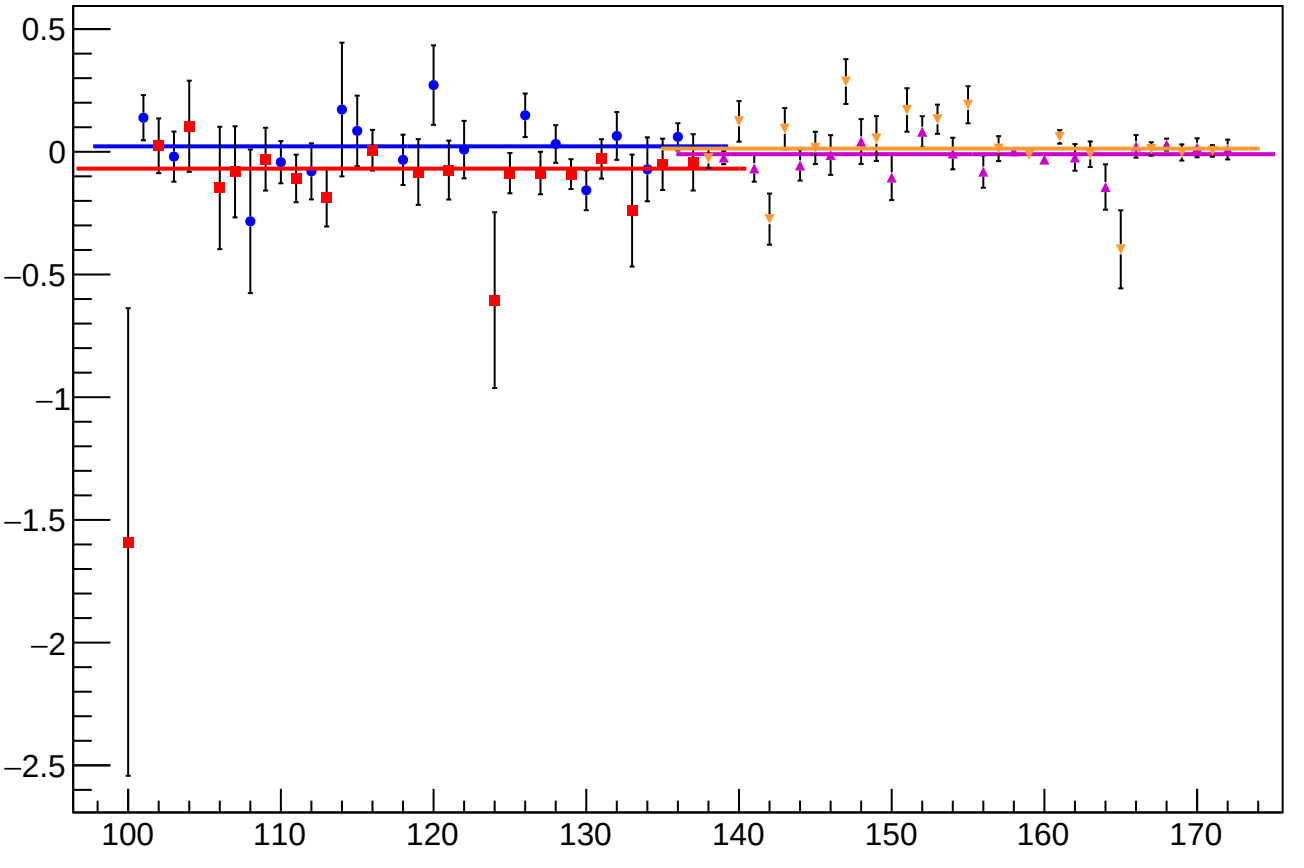
Left: 24.499+/-0.004 χ^2/NDF: 15061307.9/34

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 27.038+/-0.006 χ^2/NDF:11928066.5/32

Out: 29.706+/-0.006 χ^2/NDF:12957661.8/36

All: 28.272+/-0.004 χ^2/NDF: 24992764.7/69



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:46.2/17

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.008 χ^2/NDF:14.8/16

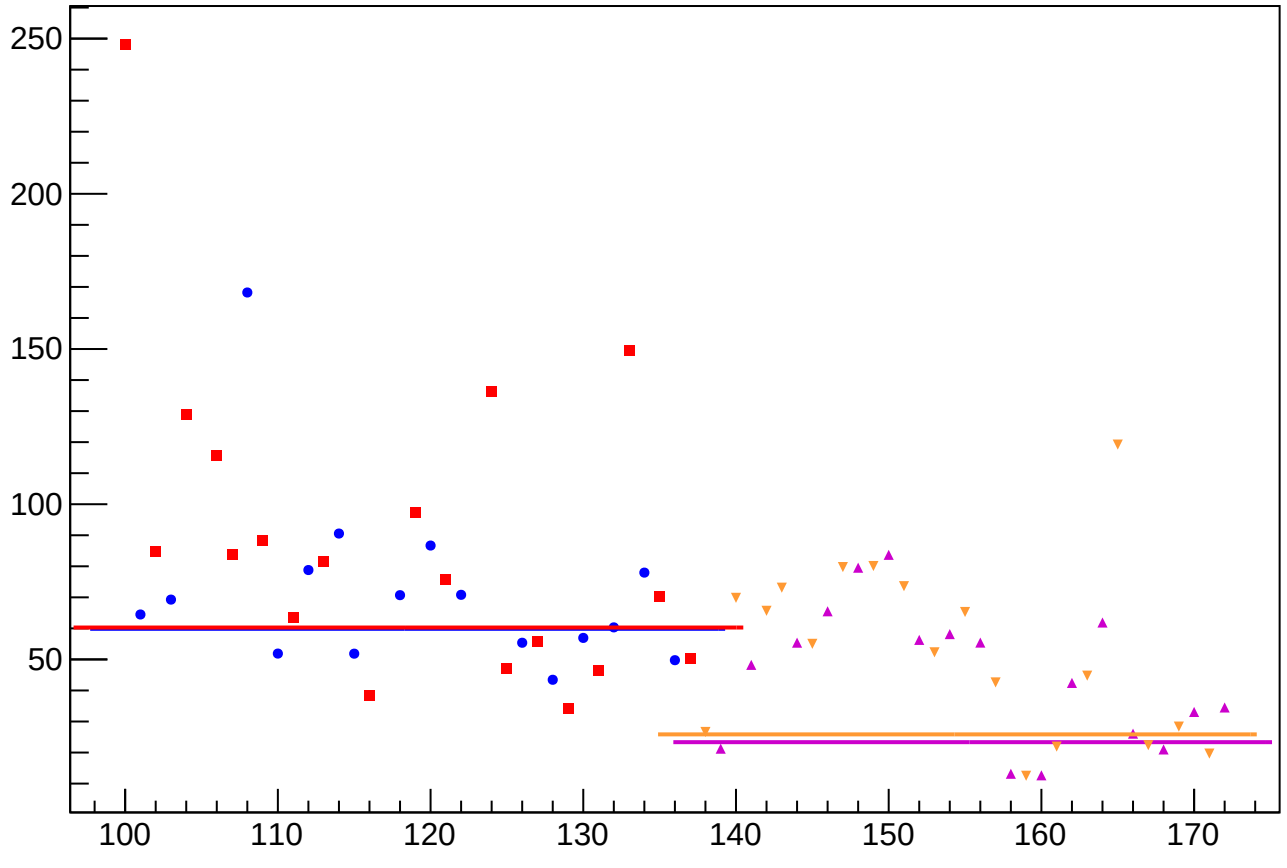
Left: 0.001+/-0.006 χ^2/NDF: 64.4/34

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.006+/-0.008 χ^2/NDF:31.8/32

Out: 0.004+/-0.008 χ^2/NDF:65.0/36

All: -0.002+/-0.006 χ^2/NDF: 97.6/69



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 25.855+/-0.006 χ^2/NDF:7686439.8/17

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 23.345+/-0.006 χ^2/NDF:7290260.3/16

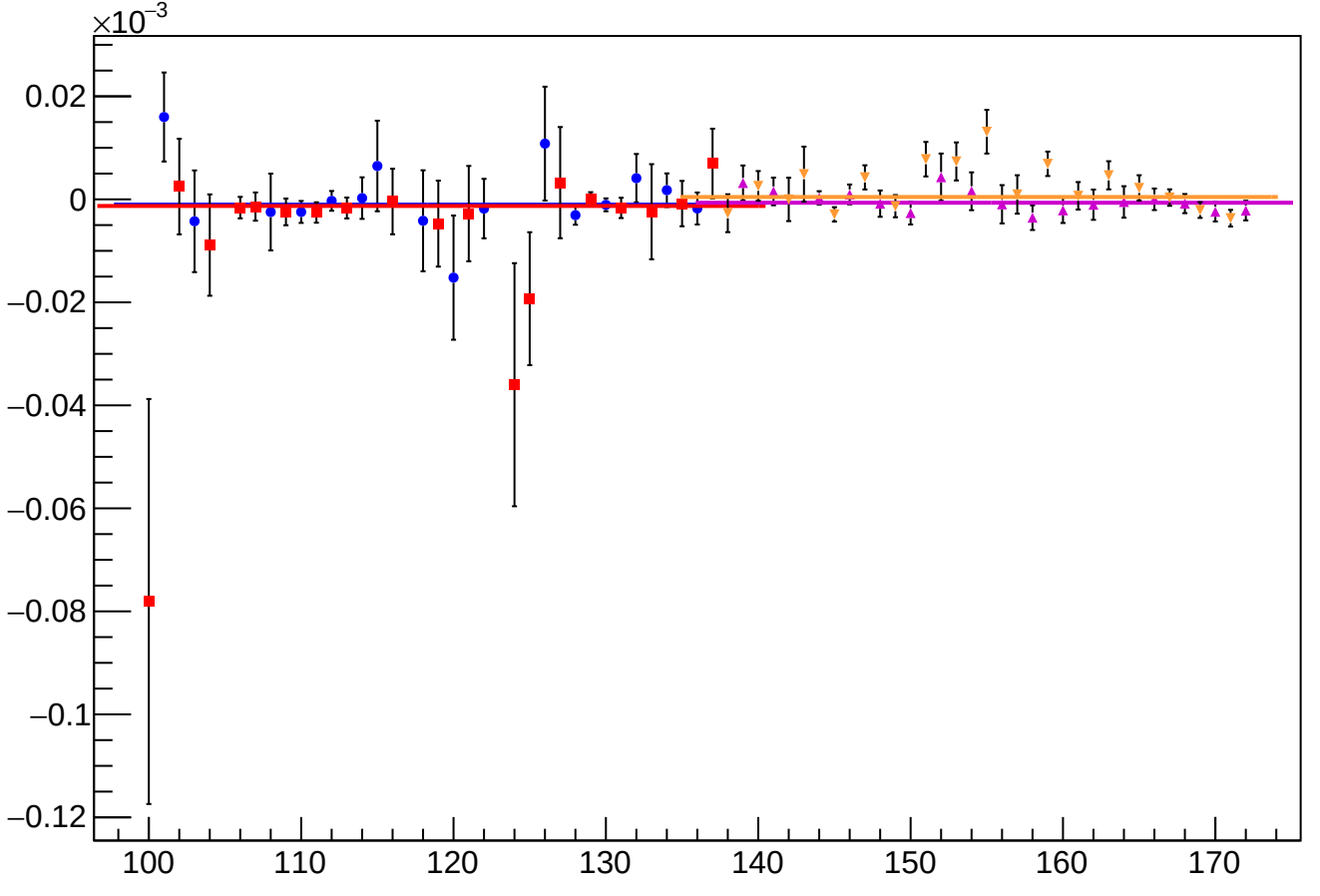
Left: 24.499+/-0.004 χ^2/NDF: 15061307.9/34

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 27.038+/-0.006 χ^2/NDF:11928066.5/32

Out: 29.706+/-0.006 χ^2/NDF:12957661.8/36

All: 28.272+/-0.004 χ^2/NDF: 24992764.7/69



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:47.8/17

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: -0.000+/-0.000 χ^2/NDF:8.9/16

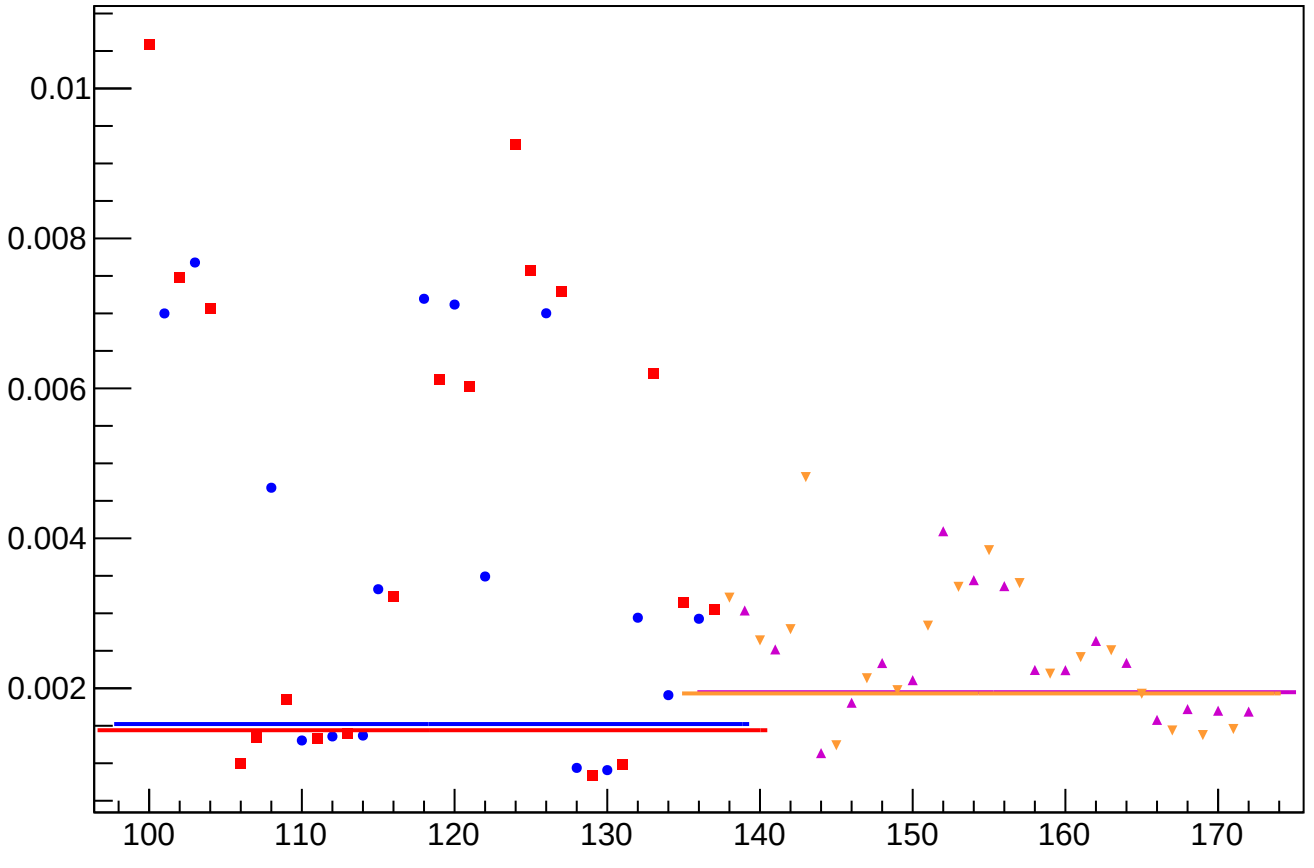
Left: -0.000+/-0.000 χ^2/NDF: 58.8/34

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:64.1/36

All: -0.000+/-0.000 χ^2/NDF: 85.4/69



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:3494591.8/17

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2560504.2/16

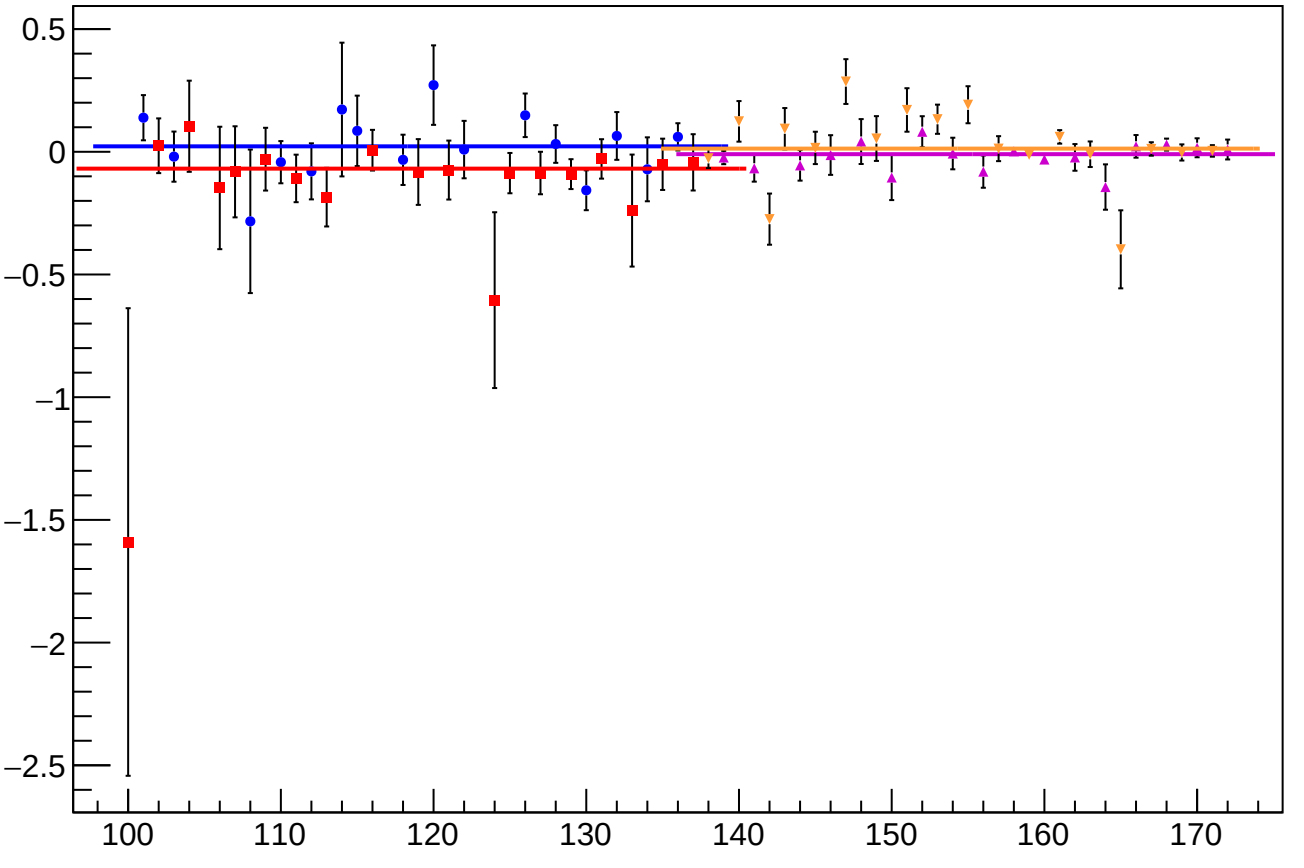
Left: 0.002+/-0.000 χ^2/NDF: 6055979.4/34

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:9891685.1/36

All: 0.002+/-0.000 χ^2/NDF: 18072505.1/69



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:46.2/17

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.010+/-0.008 χ^2/NDF:14.8/16

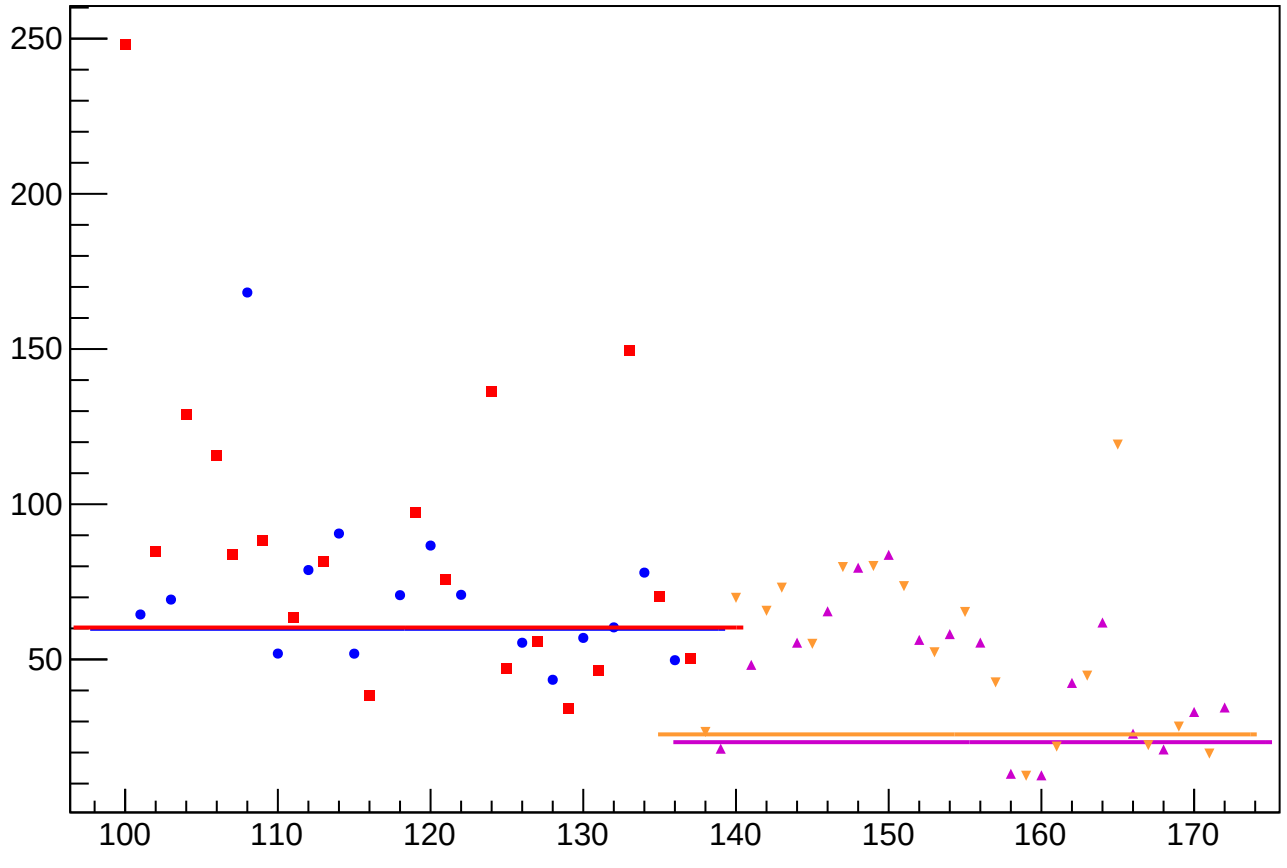
Left: 0.001+/-0.006 χ^2/NDF: 64.4/34

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.006+/-0.008 χ^2/NDF:31.8/32

Out: 0.004+/-0.008 χ^2/NDF:65.0/36

All: -0.002+/-0.006 χ^2/NDF: 97.6/69



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 25.854+/-0.006 χ^2/NDF:7687307.0/17

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 23.344+/-0.006 χ^2/NDF:7290675.3/16

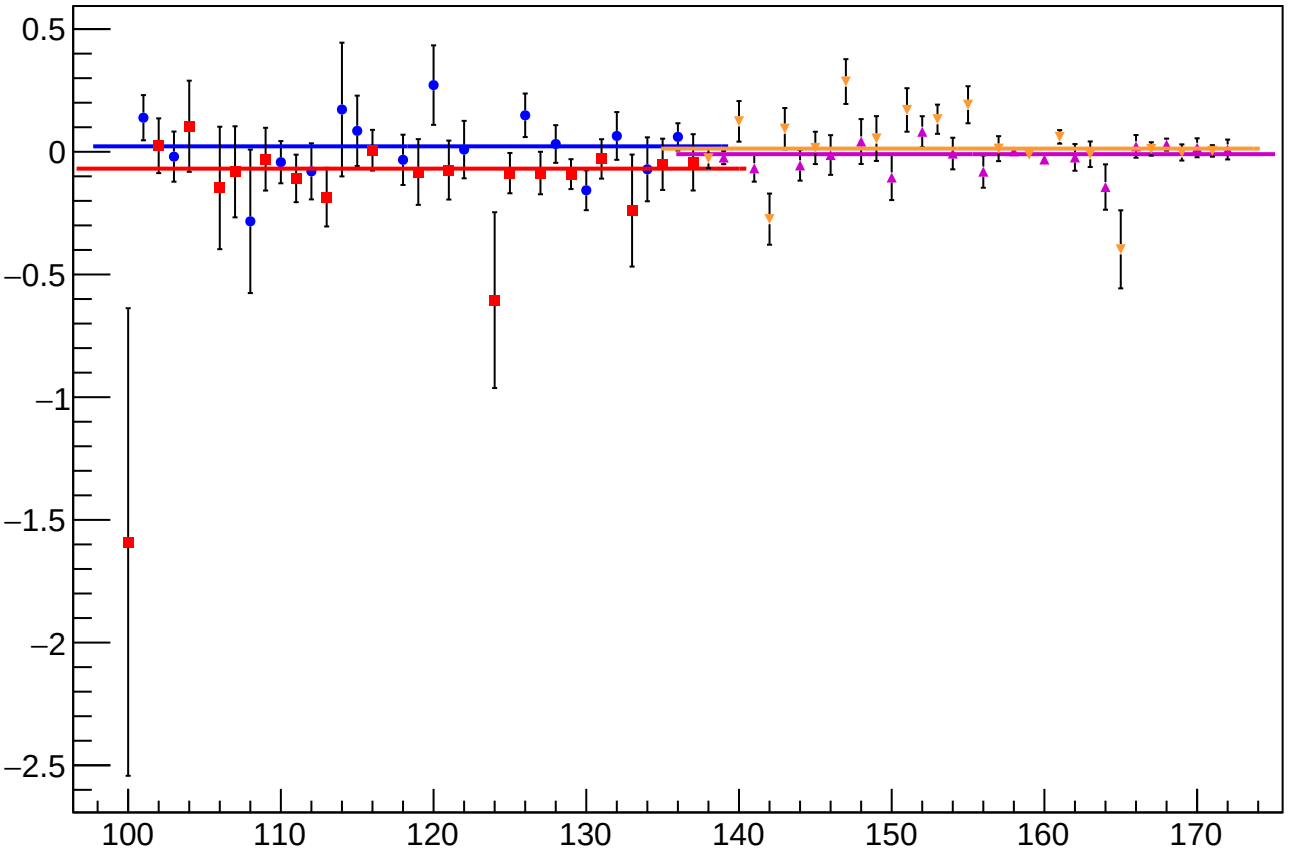
Left: 24.498+/-0.004 χ^2/NDF: 15062529.8/34

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 27.037+/-0.006 χ^2/NDF:11928690.6/32

Out: 29.705+/-0.006 χ^2/NDF:12958900.8/36

All: 28.272+/-0.004 χ^2/NDF: 24994554.9/69



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.013+/-0.009 χ^2/NDF:46.2/17

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: 0.001+/-0.006 χ^2/NDF: 64.4/34

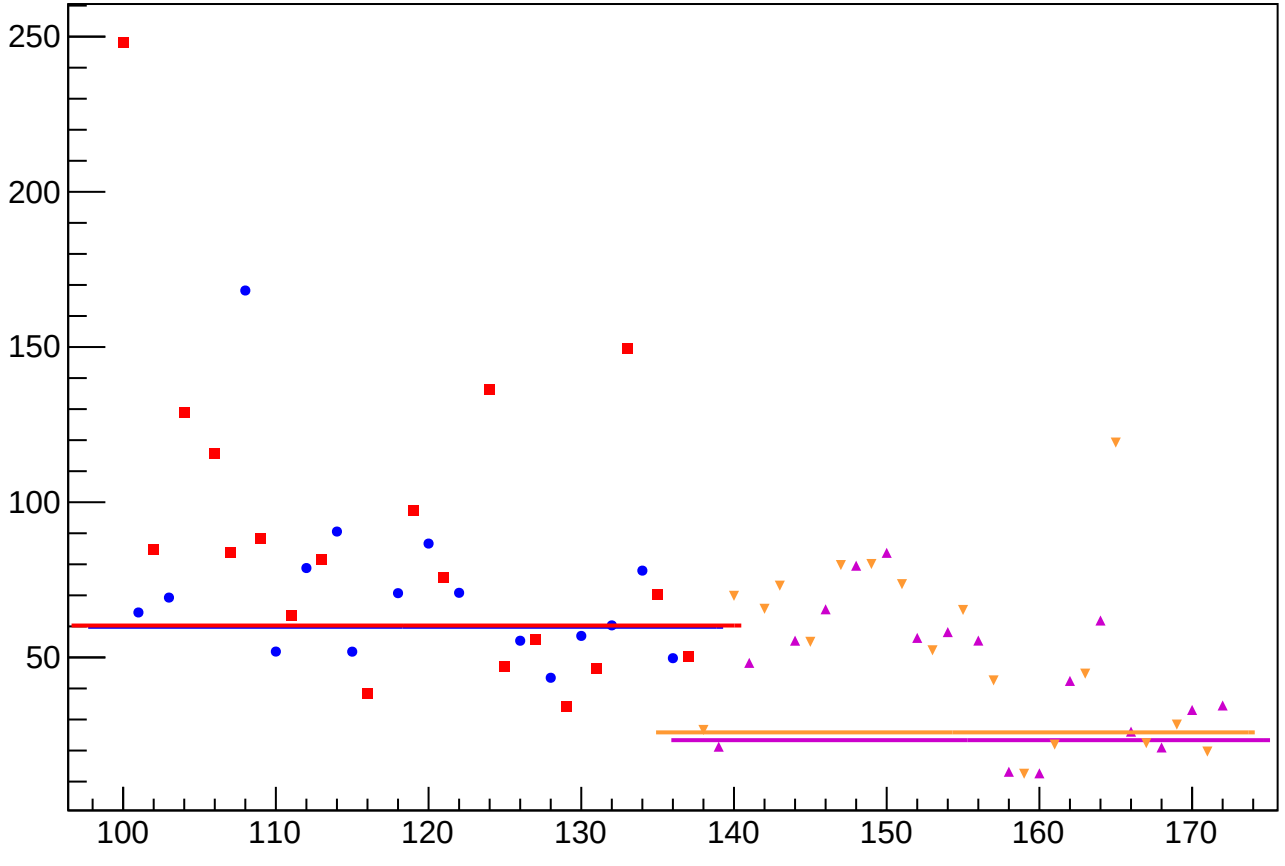
Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.006+/-0.008 χ^2/NDF:31.8/32

Out: 0.004+/-0.008 χ^2/NDF:65.0/36

All: -0.002+/-0.006 χ^2/NDF: 97.6/69

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: 25.854+/-0.006 χ^2/NDF:7687307.0/17

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 23.344+/-0.006 χ^2/NDF:7290675.3/16

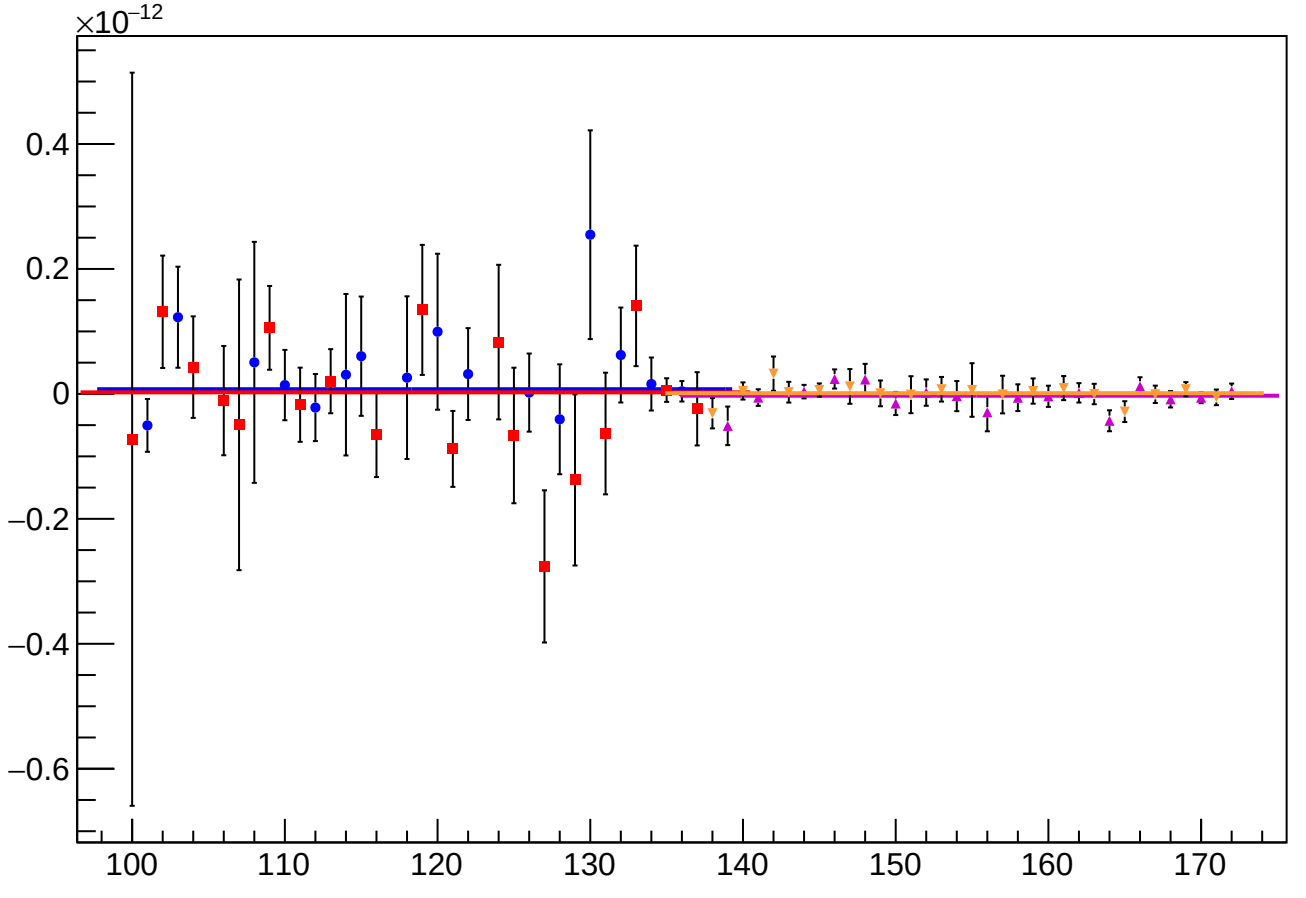
Left: 24.498+/-0.004 χ^2/NDF: 15062529.8/34

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 27.037+/-0.006 χ^2/NDF:11928690.6/32

Out: 29.705+/-0.006 χ^2/NDF:12958900.8/36

All: 28.272+/-0.004 χ^2/NDF: 24994554.9/69



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:15.8/16

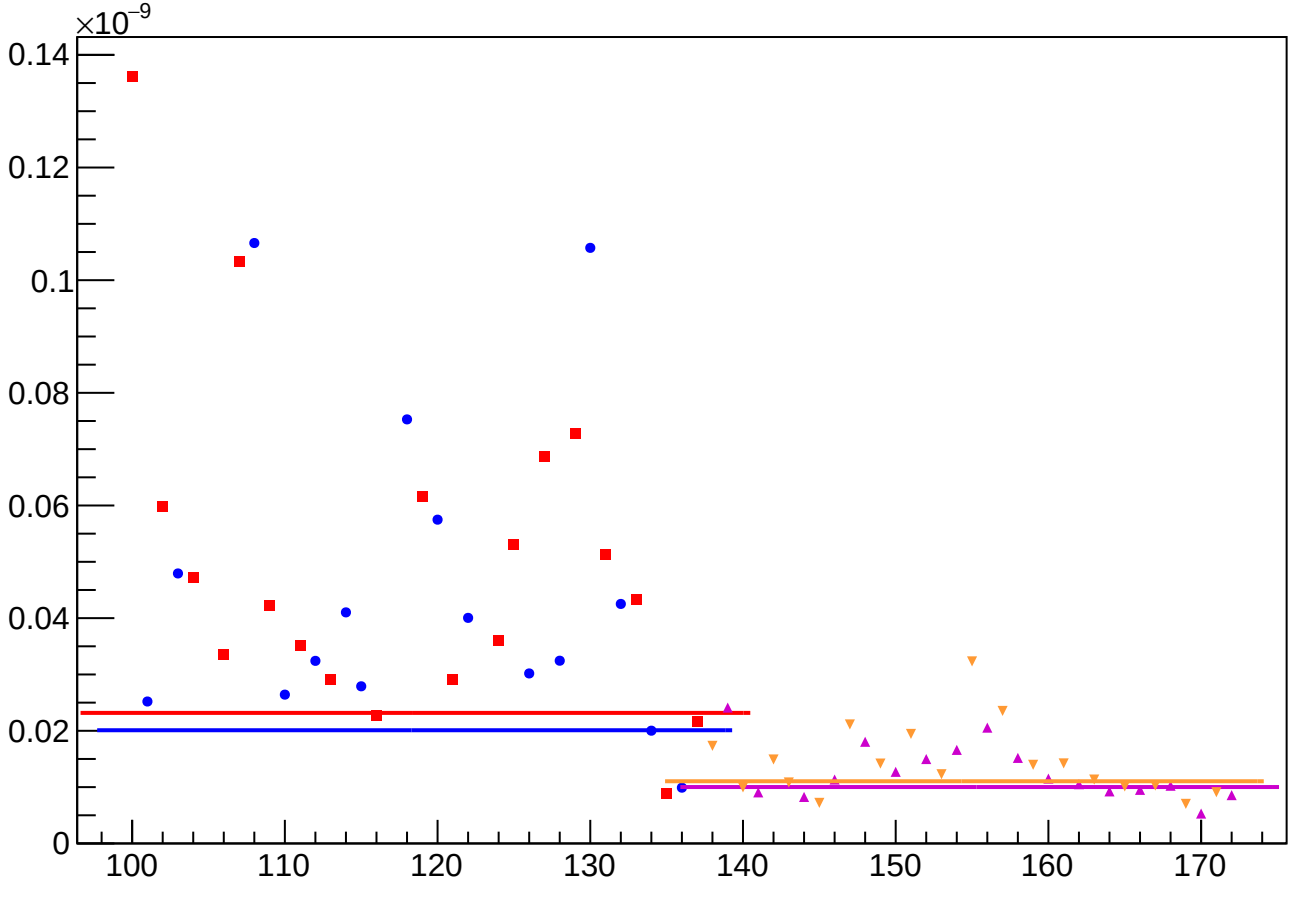
Left: -0.000+/-0.000 χ^2/NDF: 23.9/34

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:27.3/36

All: -0.000+/-0.000 χ^2/NDF: 52.5/69



Right In: 0.000+/-0.000 χ^2/NDF: 3121422.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2169464.8/17

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: 4220650.6/34

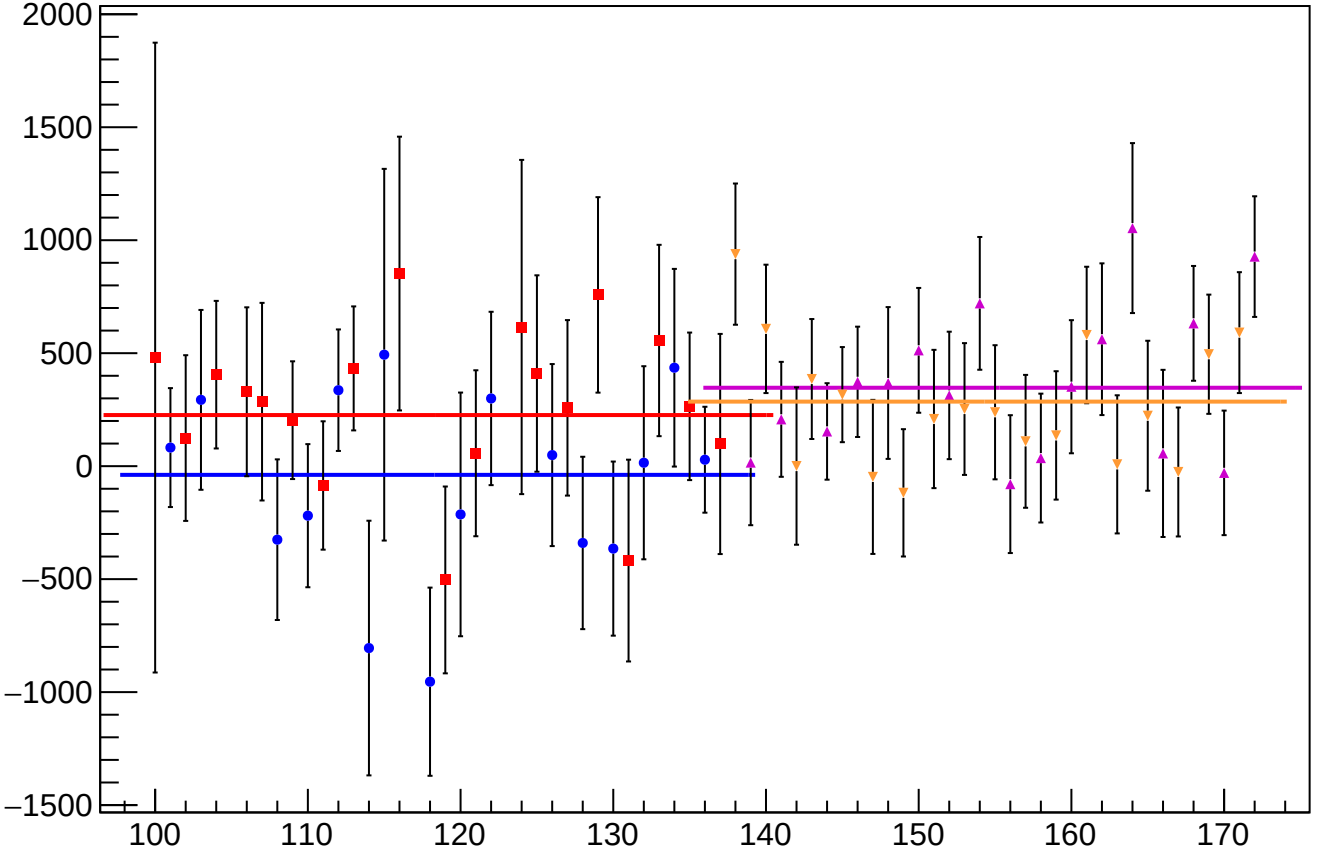
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:6362933.5/32

Out: 0.000+/-0.000 χ^2/NDF:7179317.8/36

All: 0.000+/-0.000 χ^2/NDF: 13638728.6/69

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 285.684+/-67.736 χ^2/NDF:15.2/17

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: 316.060+/-48.125 χ^2/NDF: 35.7/34

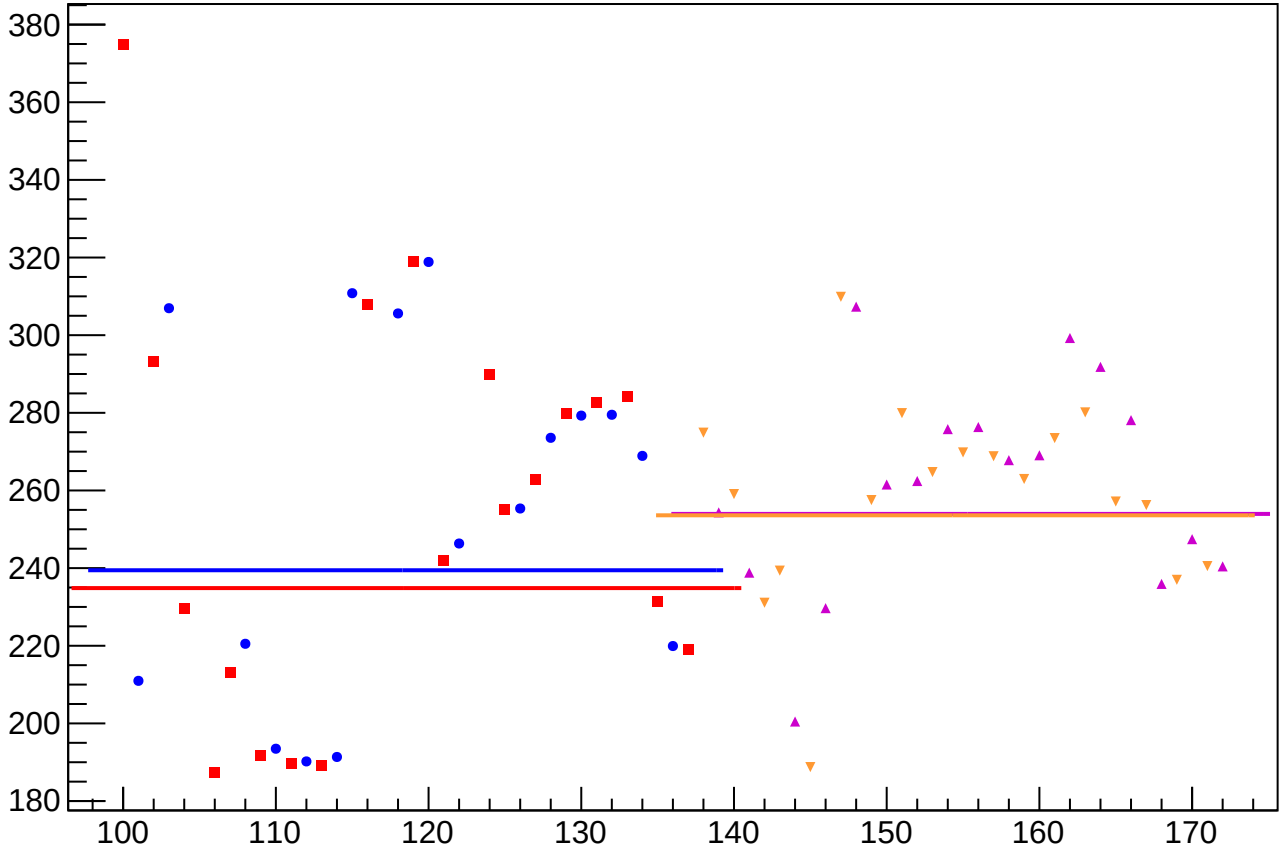
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 207.134+/-54.586 χ^2/NDF:46.1/32

Out: 263.512+/-53.656 χ^2/NDF:26.9/36

All: 235.807+/-38.265 χ^2/NDF: 73.5/69

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 253.604+/-0.048 χ^2/NDF:336957.5/17

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 253.962+/-0.048 χ^2/NDF:319483.5/16

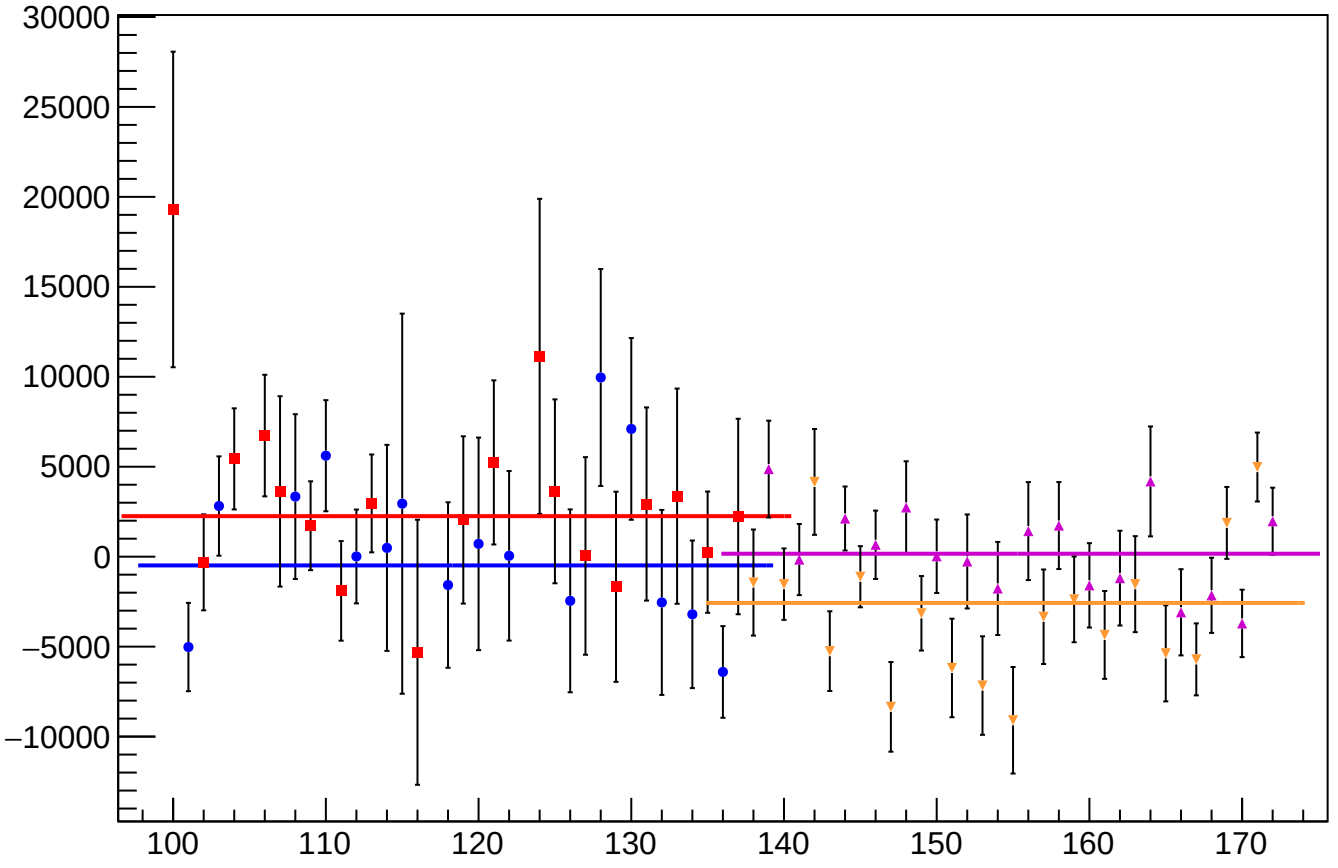
Left: 253.781+/-0.034 χ^2/NDF: 656468.6/34

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 248.696+/-0.039 χ^2/NDF:753123.5/32

Out: 246.619+/-0.038 χ^2/NDF:875756.8/36

All: 247.639+/-0.027 χ^2/NDF: 1630353.1/69



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2571.811+/-546.198 χ^2/NDF:47.6/17

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 164.341+/-543.216 χ^2/NDF:17.4/16

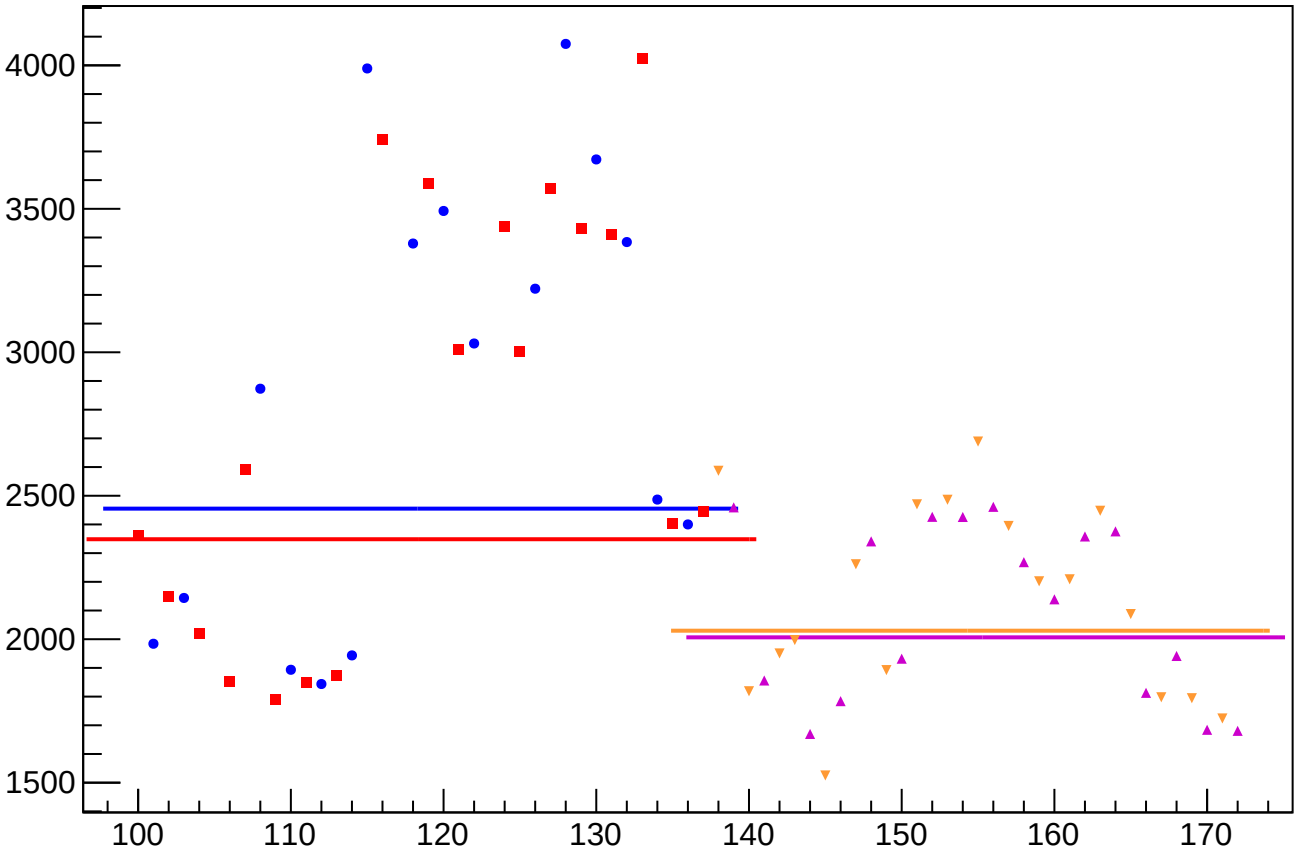
Left: -1196.247+/-385.162 χ^2/NDF: 77.6/34

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 3.467+/-471.255 χ^2/NDF:38.9/32

Out: -1261.035+/-466.116 χ^2/NDF:82.6/36

All: -635.717+/-331.396 χ^2/NDF: 125.2/69



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 2029.693+/-0.386 χ^2/NDF:720184.1/17

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: 2018.036+/-0.272 χ^2/NDF: 1315669.8/34

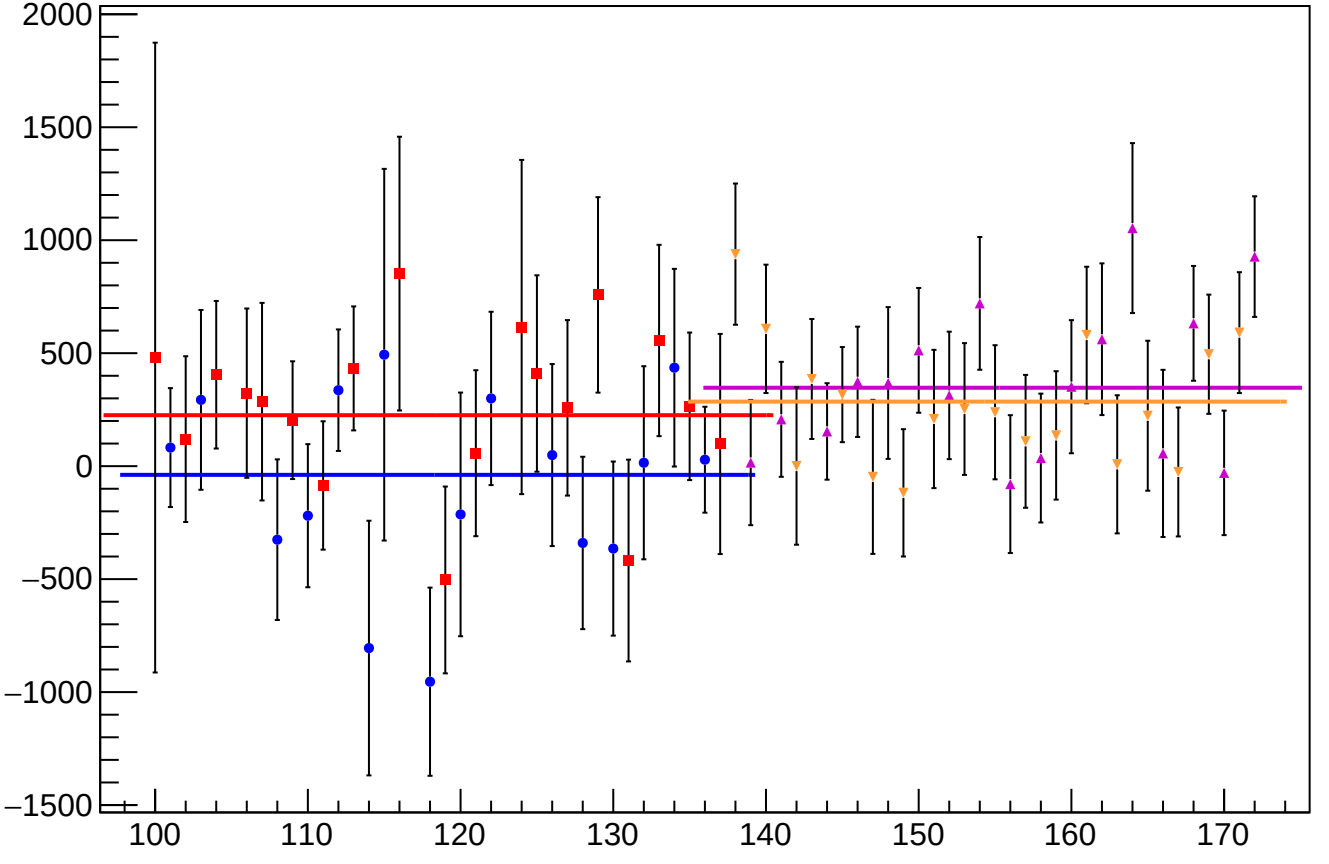
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2117.487+/-0.333 χ^2/NDF:1825497.2/32

Out: 2116.310+/-0.330 χ^2/NDF:1957696.8/36

All: 2116.892+/-0.234 χ^2/NDF: 3783200.3/69

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 285.690+/-67.736 χ^2/NDF:15.2/17

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: 316.063+/-48.125 χ^2/NDF: 35.7/34

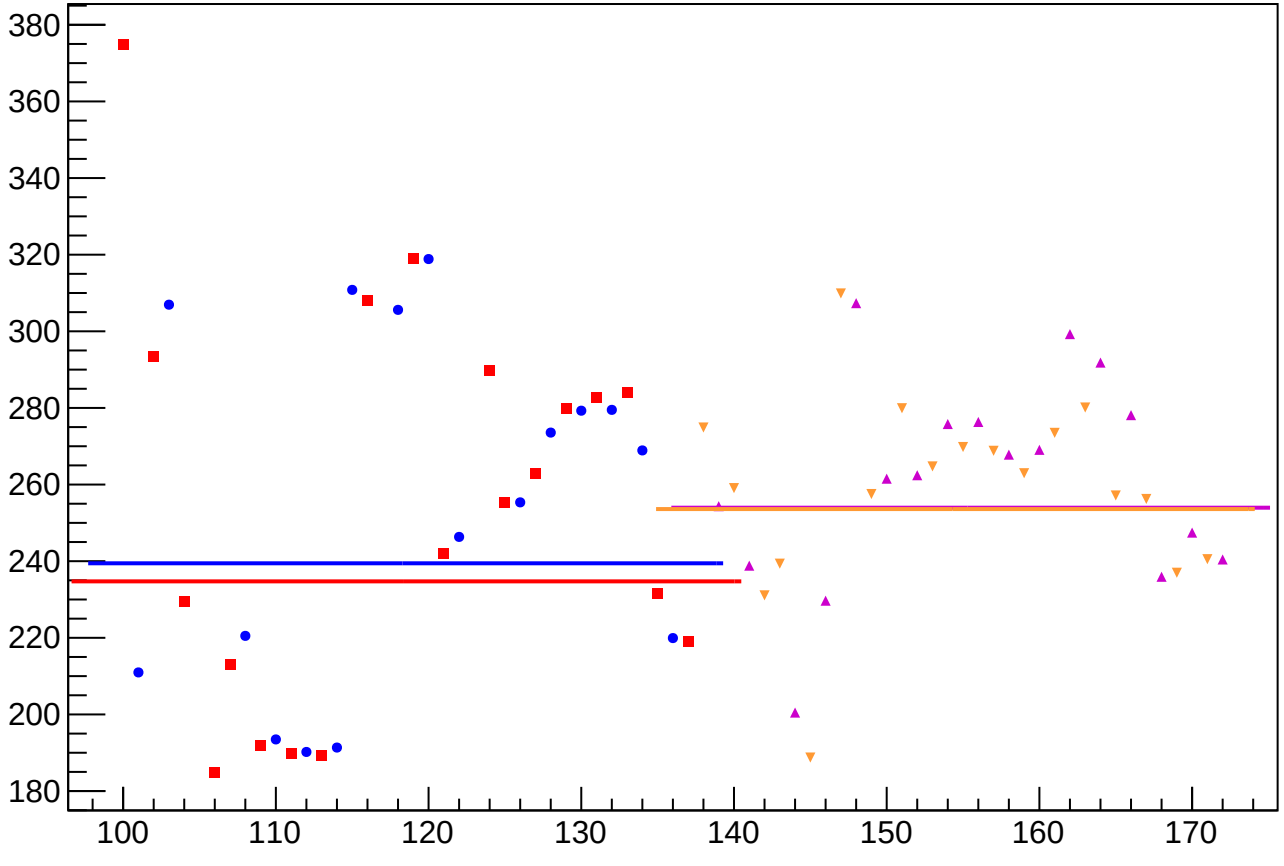
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 207.127+/-54.586 χ^2/NDF:46.1/32

Out: 263.276+/-53.659 χ^2/NDF:26.9/36

All: 235.683+/-38.266 χ^2/NDF: 73.5/69

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 253.604+/-0.048 χ^2/NDF:336957.5/17

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: 253.781+/-0.034 χ^2/NDF: 656468.7/34

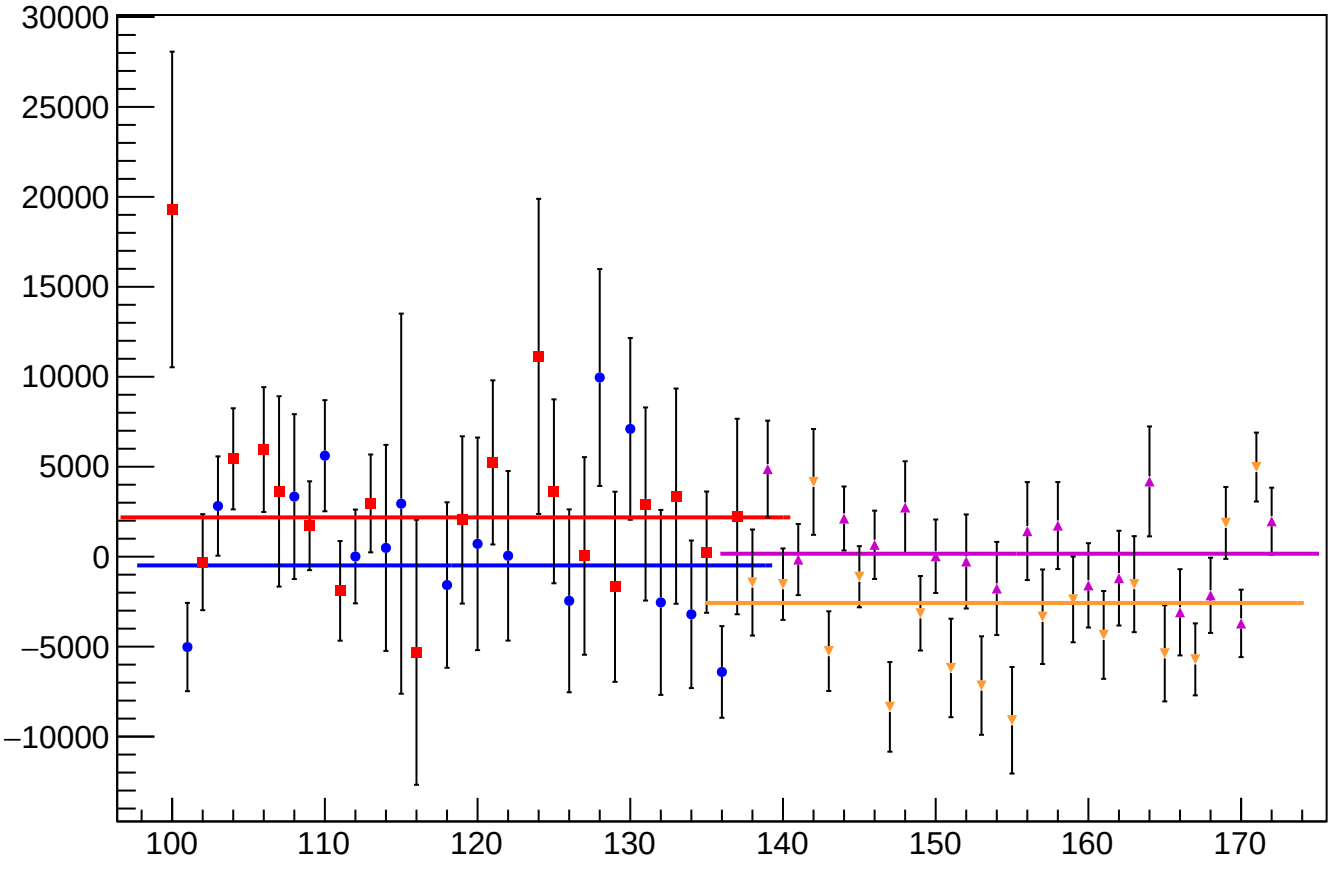
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 248.696+/-0.039 χ^2/NDF:753125.7/32

Out: 246.575+/-0.038 χ^2/NDF:880012.2/36

All: 247.617+/-0.027 χ^2/NDF: 1634673.6/69

asym_sam4_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2571.803+/-546.198 χ^2/NDF:47.6/17

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 164.358+/-543.216 χ^2/NDF:17.4/16

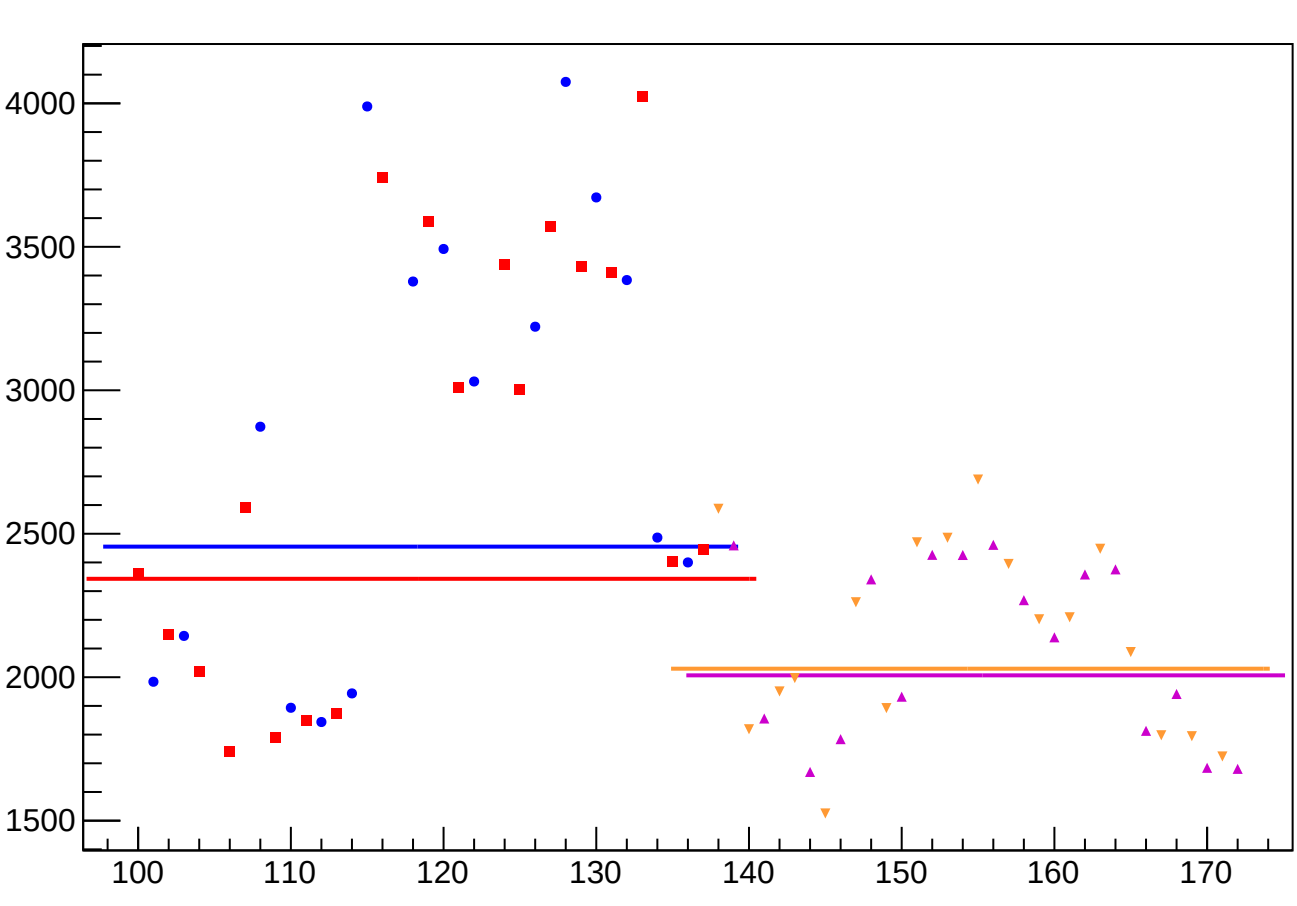
Left: -1196.235+/-385.162 χ^2/NDF: 77.6/34

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 3.439+/-471.256 χ^2/NDF:38.9/32

Out: -1282.808+/-466.355 χ^2/NDF:81.4/36

All: -646.408+/-331.482 χ^2/NDF: 124.0/69



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2029.693+/-0.386 χ^2/NDF:720186.1/17

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2006.506+/-0.384 χ^2/NDF:593673.0/16

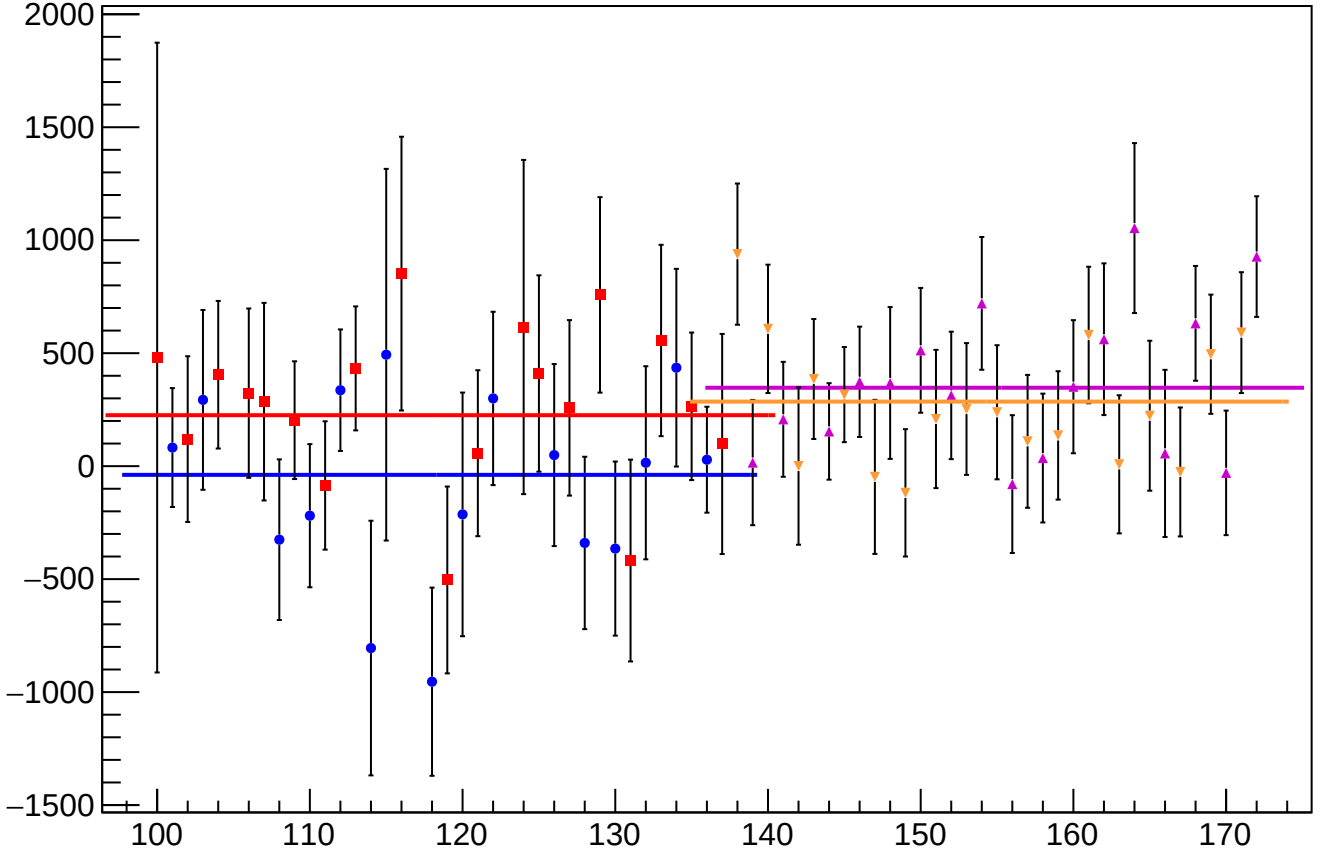
Left: 2018.036+/-0.272 χ^2/NDF: 1315671.0/34

Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2117.492+/-0.333 χ^2/NDF:1825497.0/32

Out: 2114.584+/-0.330 χ^2/NDF:1968851.9/36

All: 2116.022+/-0.234 χ^2/NDF: 3794387.3/69



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 285.690+/-67.736 χ^2/NDF:15.2/17

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: 316.063+/-48.125 χ^2/NDF: 35.7/34

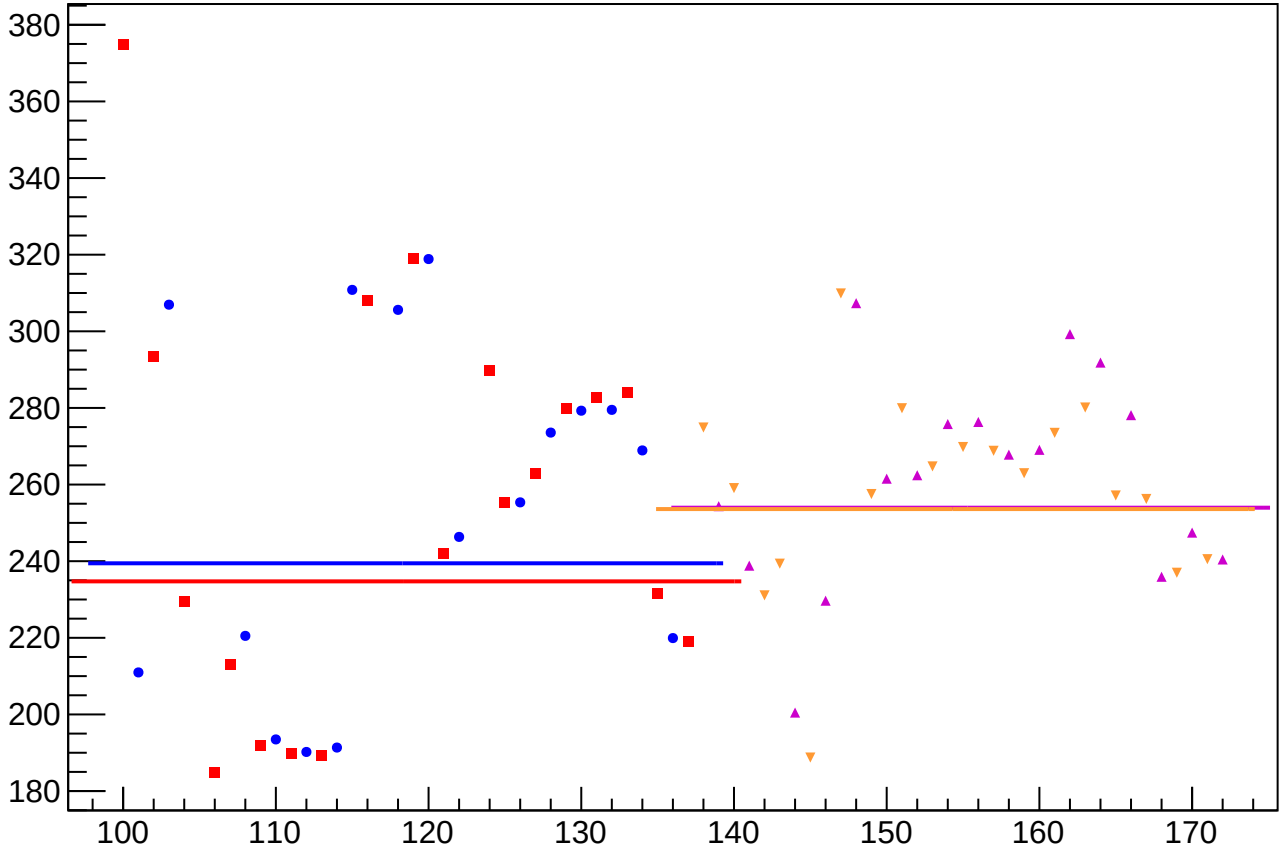
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 207.127+/-54.586 χ^2/NDF:46.1/32

Out: 263.276+/-53.659 χ^2/NDF:26.9/36

All: 235.683+/-38.266 χ^2/NDF: 73.5/69

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 253.604+/-0.048 χ^2/NDF:336957.5/17

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: 253.781+/-0.034 χ^2/NDF: 656468.7/34

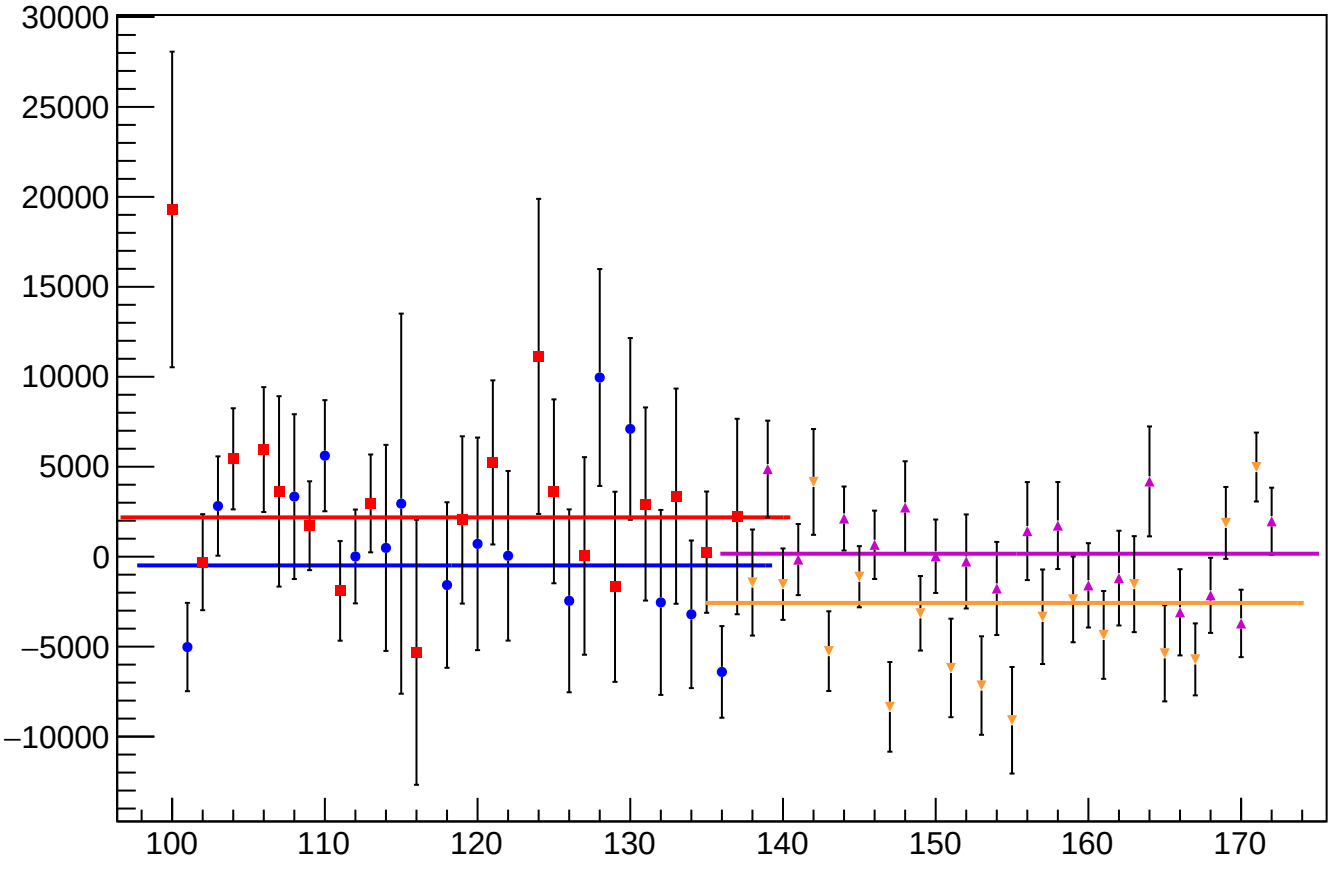
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 248.696+/-0.039 χ^2/NDF:753125.7/32

Out: 246.575+/-0.038 χ^2/NDF:880012.2/36

All: 247.617+/-0.027 χ^2/NDF: 1634673.6/69

asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2571.803+/-546.198 χ^2/NDF:47.6/17

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 164.358+/-543.216 χ^2/NDF:17.4/16

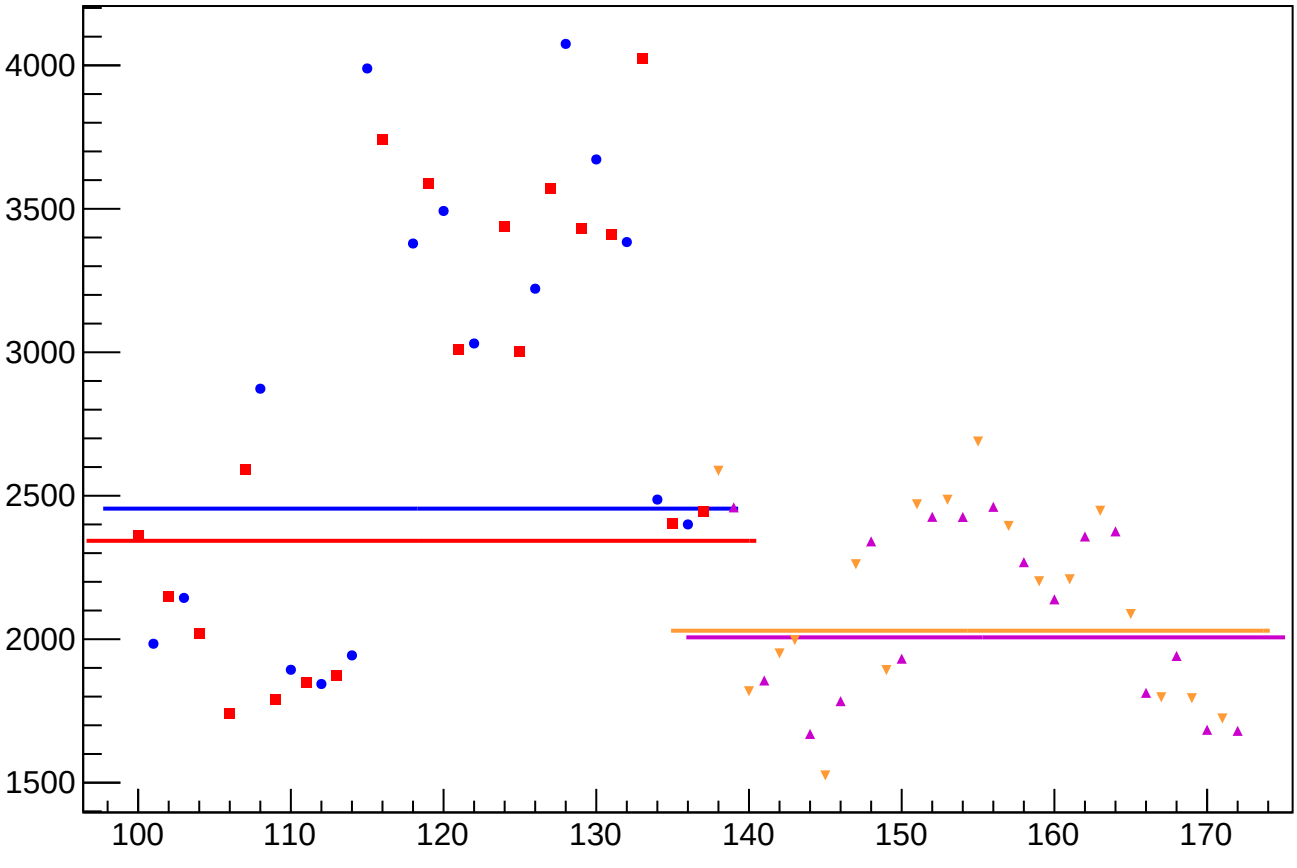
Left: -1196.235+/-385.162 χ^2/NDF: 77.6/34

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 3.439+/-471.256 χ^2/NDF:38.9/32

Out: -1282.808+/-466.355 χ^2/NDF:81.4/36

All: -646.408+/-331.482 χ^2/NDF: 124.0/69



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 2029.693+/-0.386 χ^2/NDF:720186.1/17

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 2006.506+/-0.384 χ^2/NDF:593673.0/16

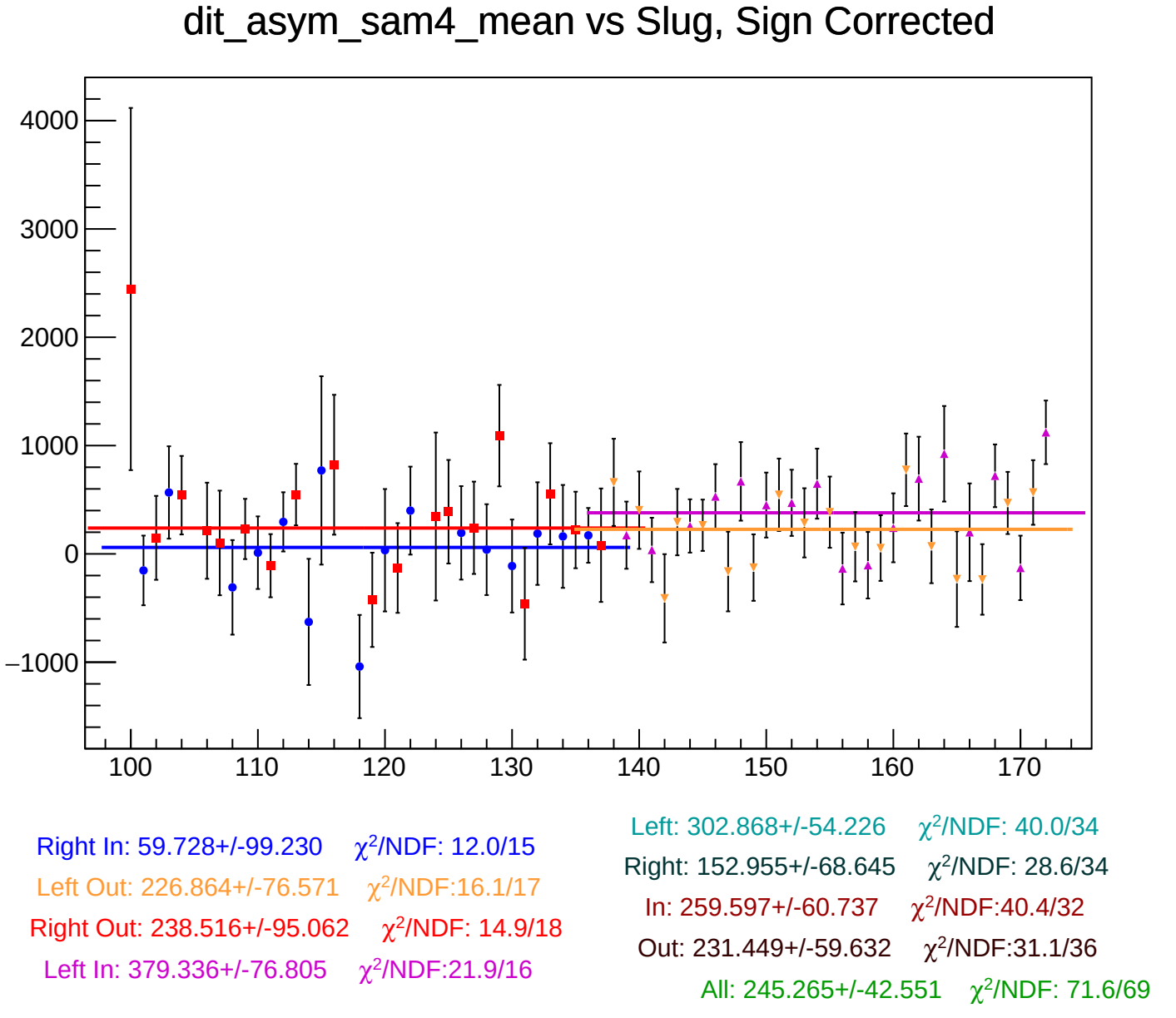
Left: 2018.036+/-0.272 χ^2/NDF: 1315671.0/34

Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

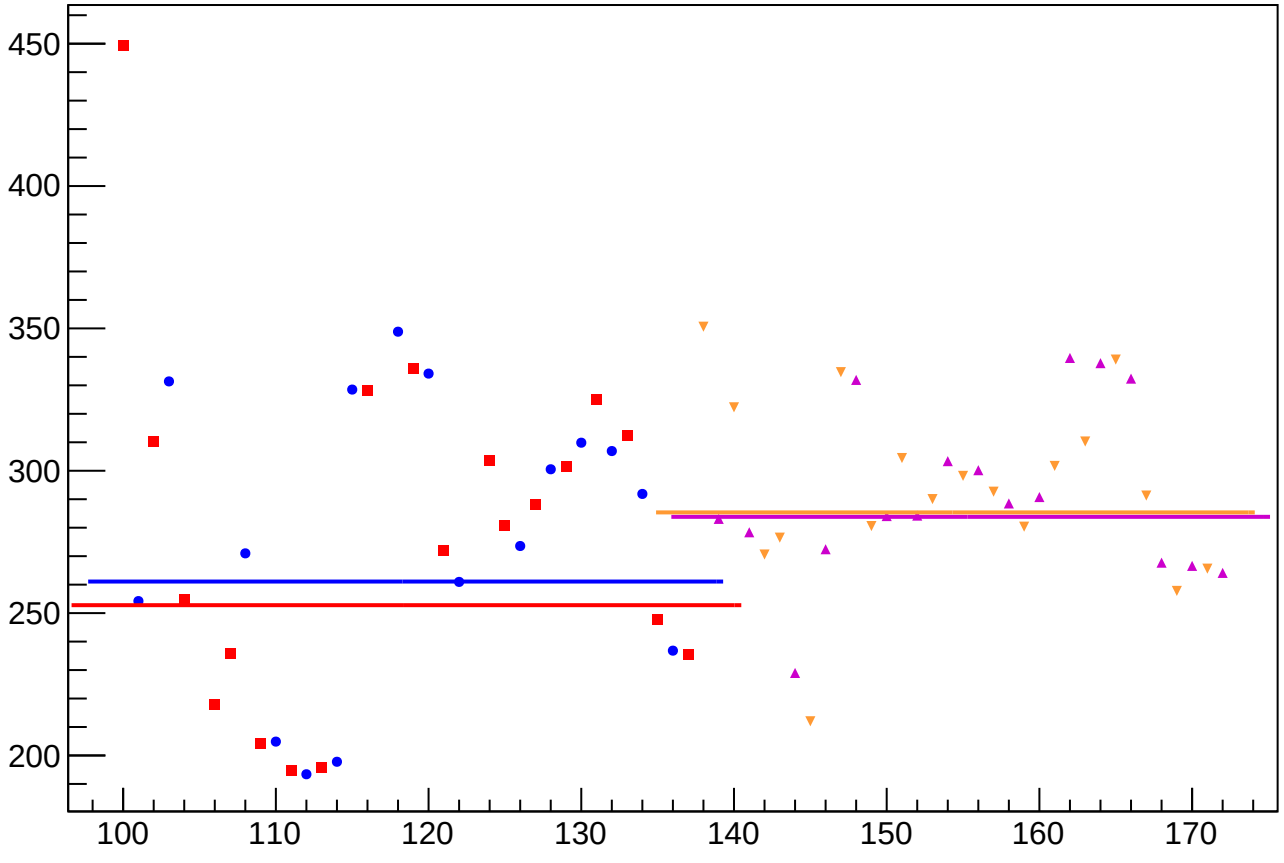
In: 2117.492+/-0.333 χ^2/NDF:1825497.0/32

Out: 2114.584+/-0.330 χ^2/NDF:1968851.9/36

All: 2116.022+/-0.234 χ^2/NDF: 3794387.3/69


dit_asym_sam4_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
100
110
120
130
140
150
160
170
Right In: 59.728+/-99.230 χ²/NDF: 12.0/15
Left Out: 226.864+/-76.571 χ²/NDF:16.1/17
Right Out: 238.516+/-95.062 χ²/NDF: 14.9/18
Left In: 379.336+/-76.805 χ²/NDF:21.9/16
Left: 302.868+/-54.226 χ²/NDF: 40.0/34
Right: 152.955+/-68.645 χ²/NDF: 28.6/34
In: 259.597+/-60.737 χ²/NDF:40.4/32
Out: 231.449+/-59.632 χ²/NDF:31.1/36
All: 245.265+/-42.551 χ²/NDF: 71.6/69

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 285.374+/-0.054 χ^2/NDF:390616.4/17

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 283.817+/-0.054 χ^2/NDF:268196.1/16

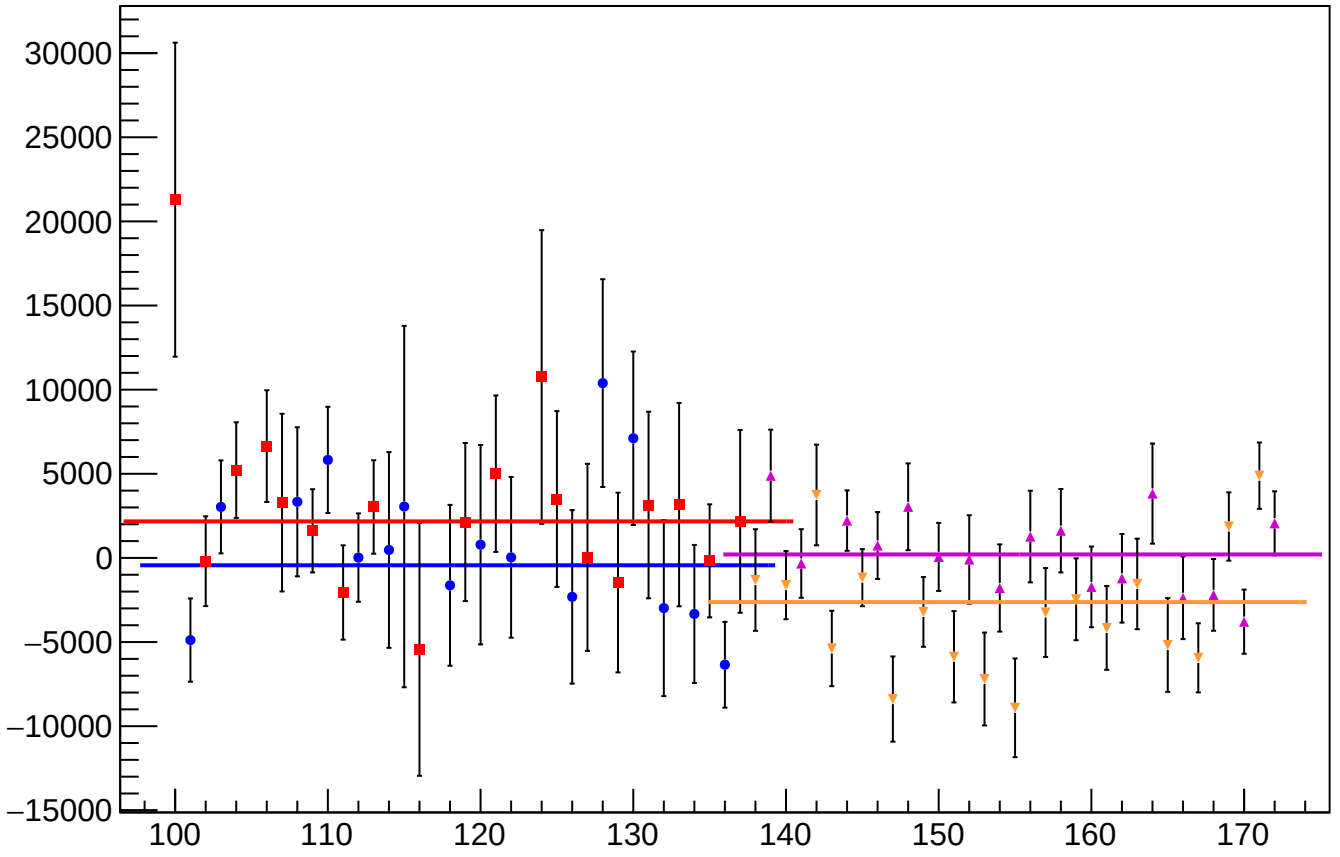
Left: 284.598+/-0.038 χ^2/NDF: 659224.5/34

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 275.302+/-0.043 χ^2/NDF:796476.0/32

Out: 272.551+/-0.042 χ^2/NDF:1070444.5/36

All: 273.901+/-0.030 χ^2/NDF: 1869010.2/69



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2624.801+/-553.693 χ^2/NDF:44.7/17

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 207.371+/-551.065 χ^2/NDF:16.7/16

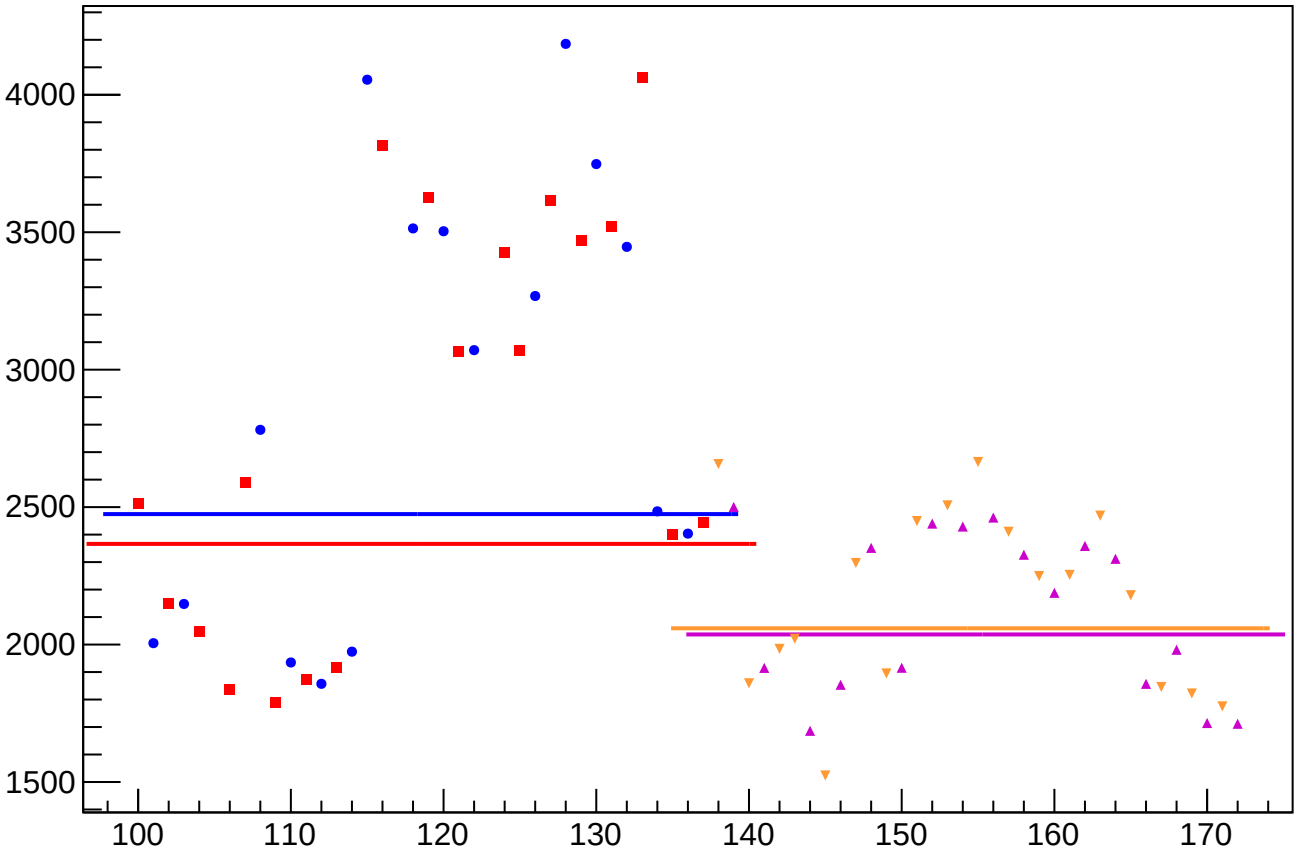
Left: -1201.976+/-390.587 χ^2/NDF: 74.6/34

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 46.513+/-477.319 χ^2/NDF:38.3/32

Out: -1310.065+/-471.751 χ^2/NDF:79.3/36

All: -639.733+/-335.530 χ^2/NDF: 121.6/69



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2059.153+/-0.392 χ^2/NDF:708549.4/17

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2036.800+/-0.390 χ^2/NDF:546633.5/16

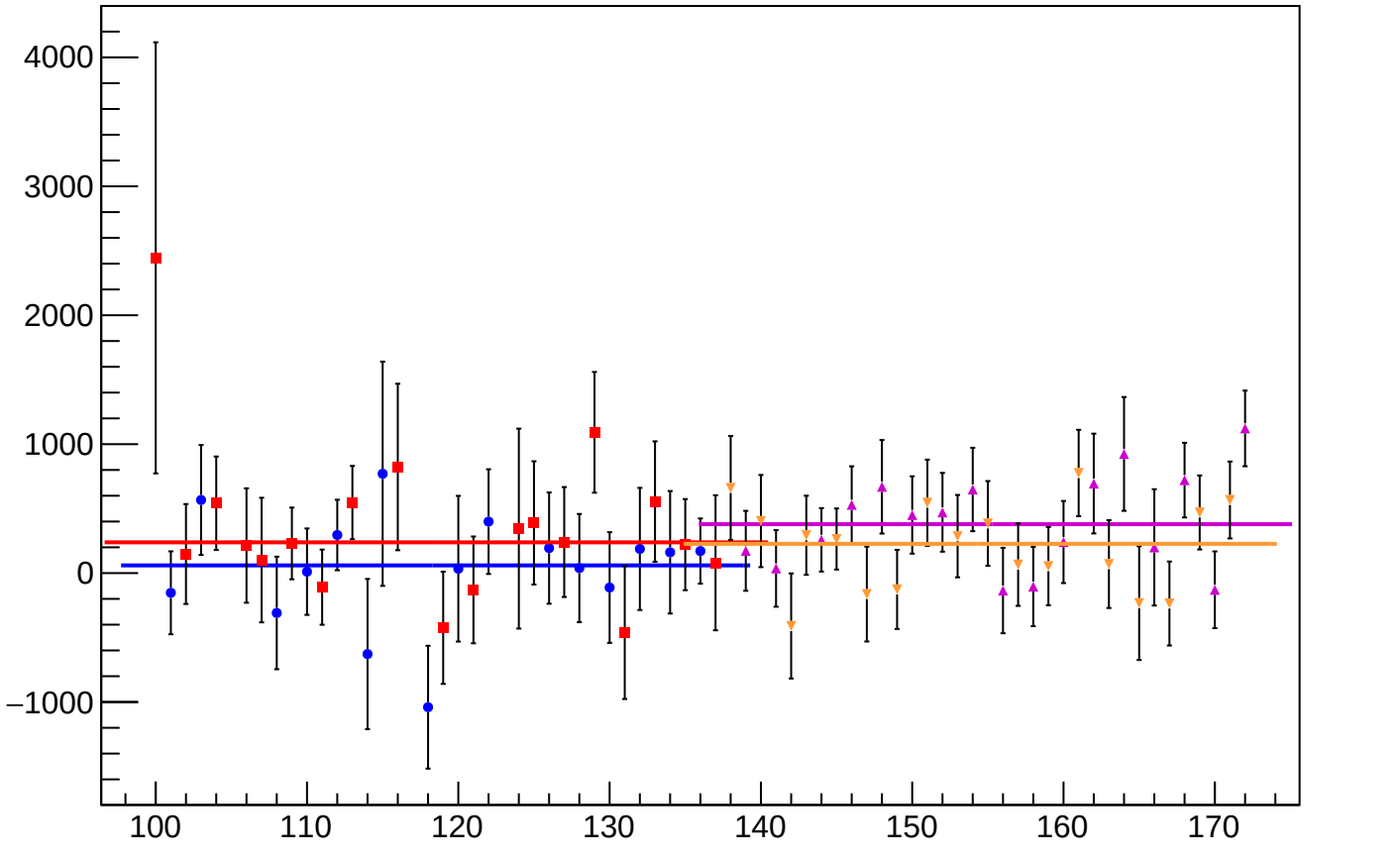
Left: 2047.923+/-0.276 χ^2/NDF: 1256820.5/34

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

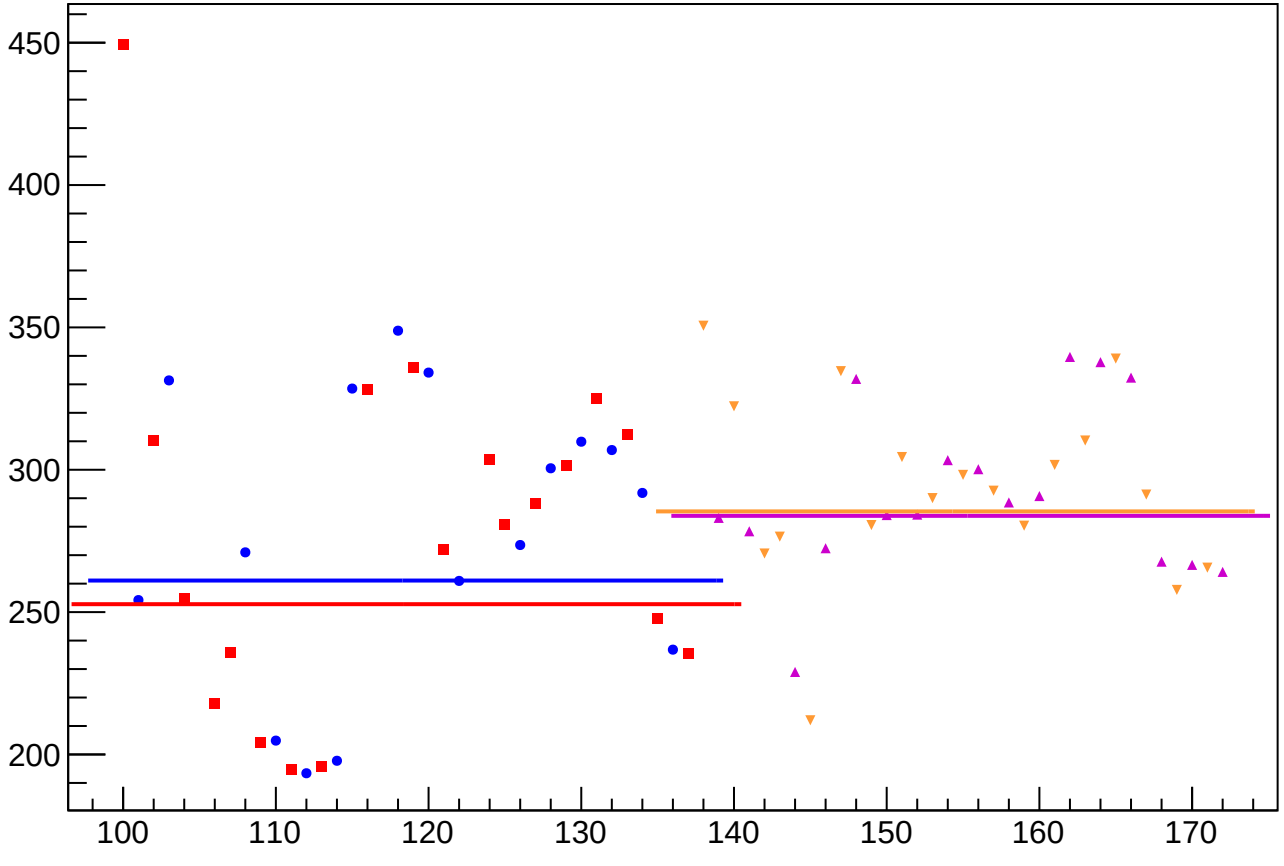
In: 2146.142+/-0.338 χ^2/NDF:1778173.3/32

Out: 2143.315+/-0.334 χ^2/NDF:1954317.7/36

All: 2144.712+/-0.237 χ^2/NDF: 3732526.4/69


eigen_dit_asym_sam4_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
100
110
120
130
140
150
160
170
Right In: 59.734+/-99.230 χ²/NDF: 12.0/15
Left Out: 226.869+/-76.572 χ²/NDF:16.1/17
Right Out: 238.515+/-95.062 χ²/NDF: 14.9/18
Left In: 379.338+/-76.805 χ²/NDF:21.9/16
Left: 302.872+/-54.227 χ²/NDF: 40.0/34
Right: 152.957+/-68.645 χ²/NDF: 28.6/34
In: 259.600+/-60.737 χ²/NDF:40.4/32
Out: 231.452+/-59.632 χ²/NDF:31.1/36
All: 245.268+/-42.552 χ²/NDF: 71.6/69

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 285.374+/-0.054 χ^2/NDF:390613.7/17

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 283.818+/-0.054 χ^2/NDF:268195.2/16

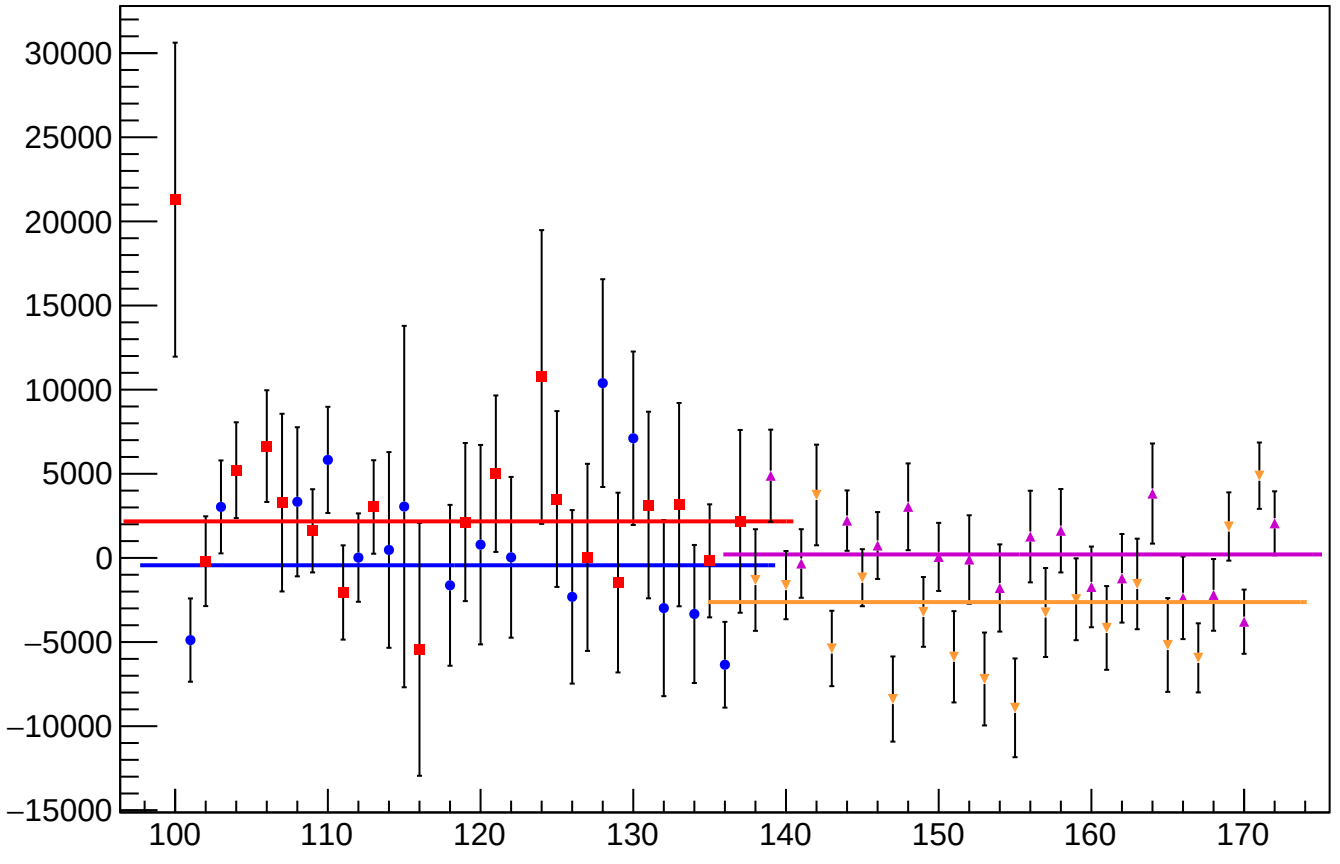
Left: 284.598+/-0.038 χ^2/NDF: 659220.9/34

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 275.303+/-0.043 χ^2/NDF:796479.7/32

Out: 272.551+/-0.042 χ^2/NDF:1070448.8/36

All: 273.902+/-0.030 χ^2/NDF: 1869018.2/69



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2624.796+/-553.692 χ^2/NDF:44.7/17

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 207.368+/-551.064 χ^2/NDF:16.7/16

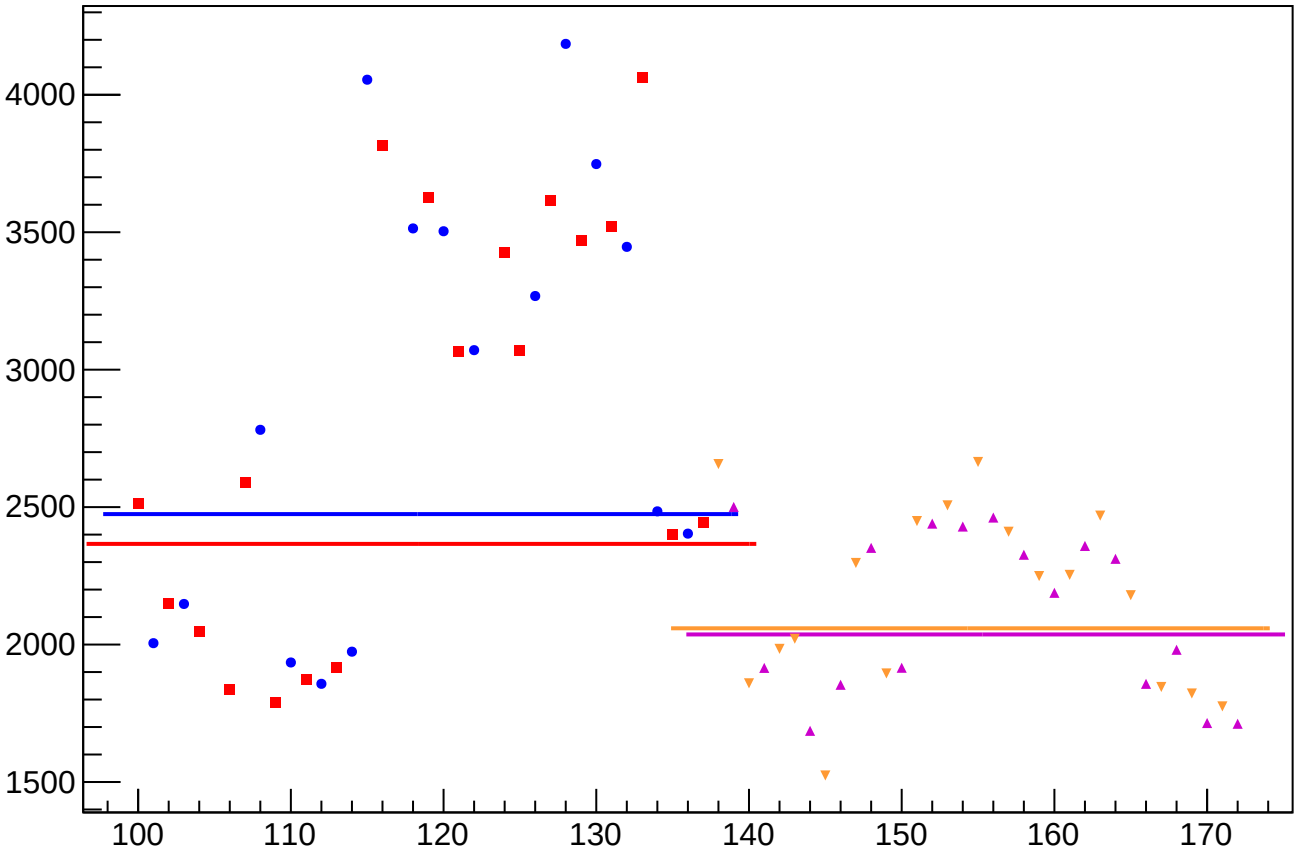
Left: -1201.975+/-390.587 χ^2/NDF: 74.6/34

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 46.511+/-477.318 χ^2/NDF:38.3/32

Out: -1310.063+/-471.751 χ^2/NDF:79.3/36

All: -639.733+/-335.529 χ^2/NDF: 121.6/69



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2059.151+/-0.392 χ^2/NDF:708554.0/17

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: 2047.921+/-0.276 χ^2/NDF: 1256825.1/34

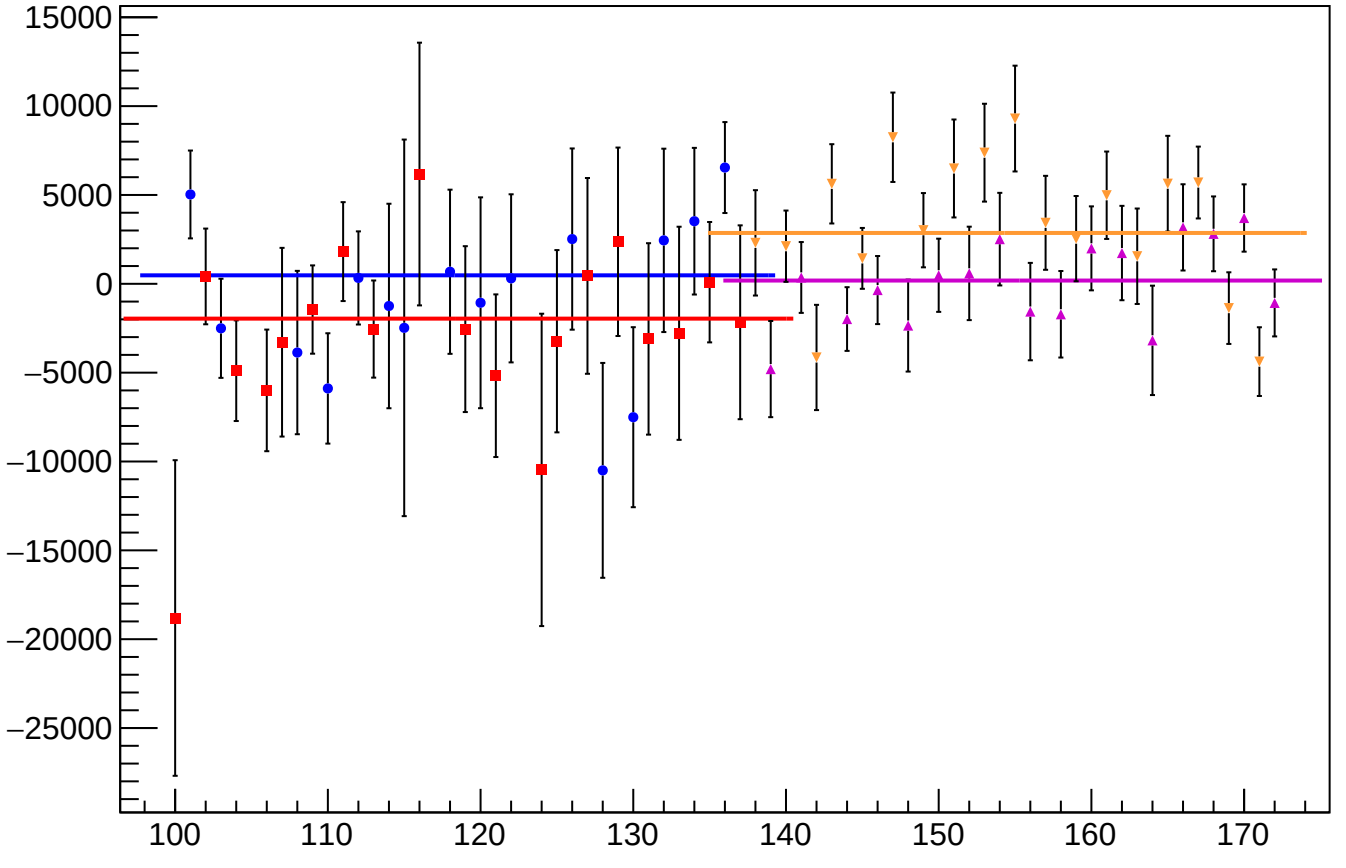
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2146.139+/-0.338 χ^2/NDF:1778177.9/32

Out: 2143.312+/-0.334 χ^2/NDF:1954325.8/36

All: 2144.709+/-0.237 χ^2/NDF: 3732539.2/69

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2862.261+/-550.650 χ^2/NDF:44.2/17

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: 1515.983+/-388.347 χ^2/NDF: 72.9/34

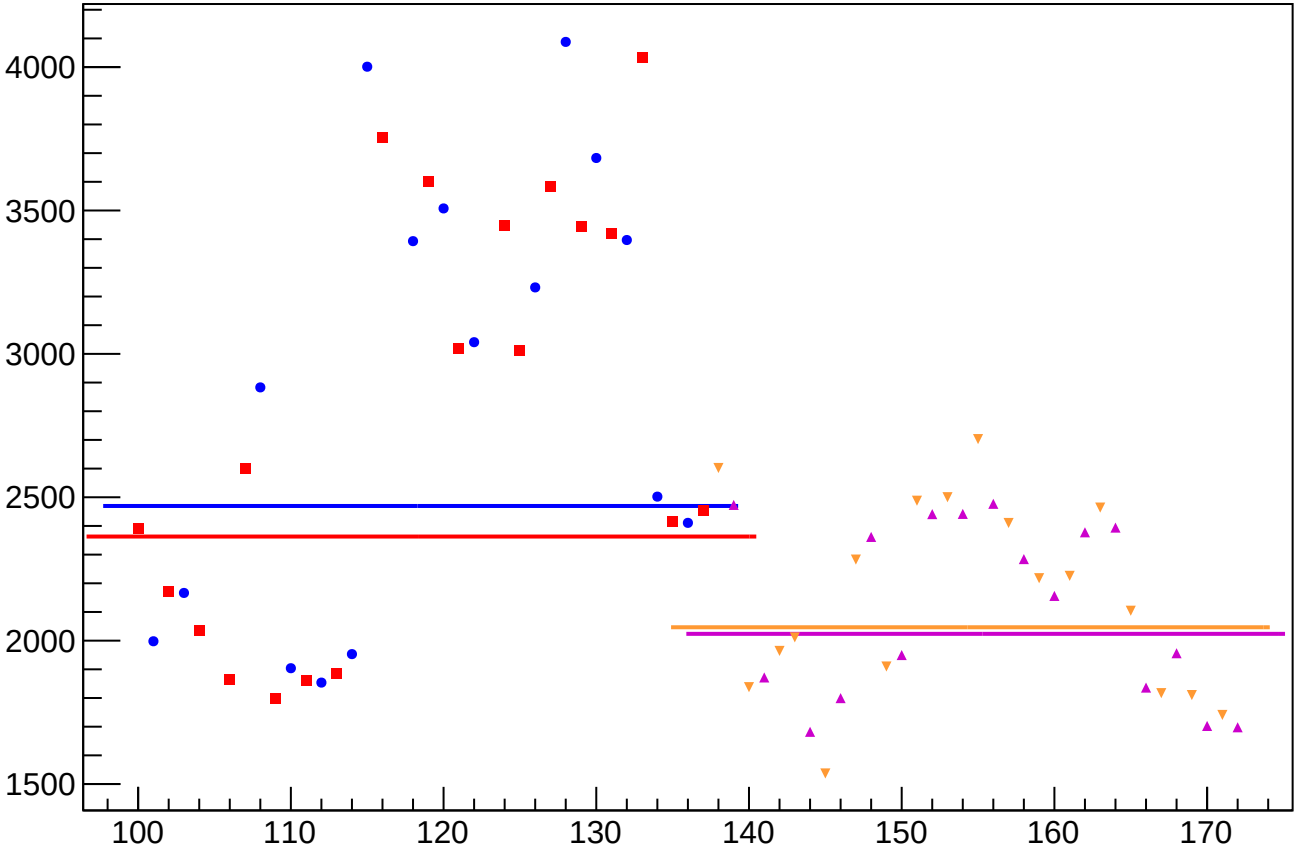
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: 256.661+/-474.881 χ^2/NDF:39.0/32

Out: 1548.289+/-469.666 χ^2/NDF:77.9/36

All: 909.606+/-333.933 χ^2/NDF: 120.7/69

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2046.675+/-0.389 χ^2/NDF:711110.1/17

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 2023.734+/-0.387 χ^2/NDF:585208.9/16

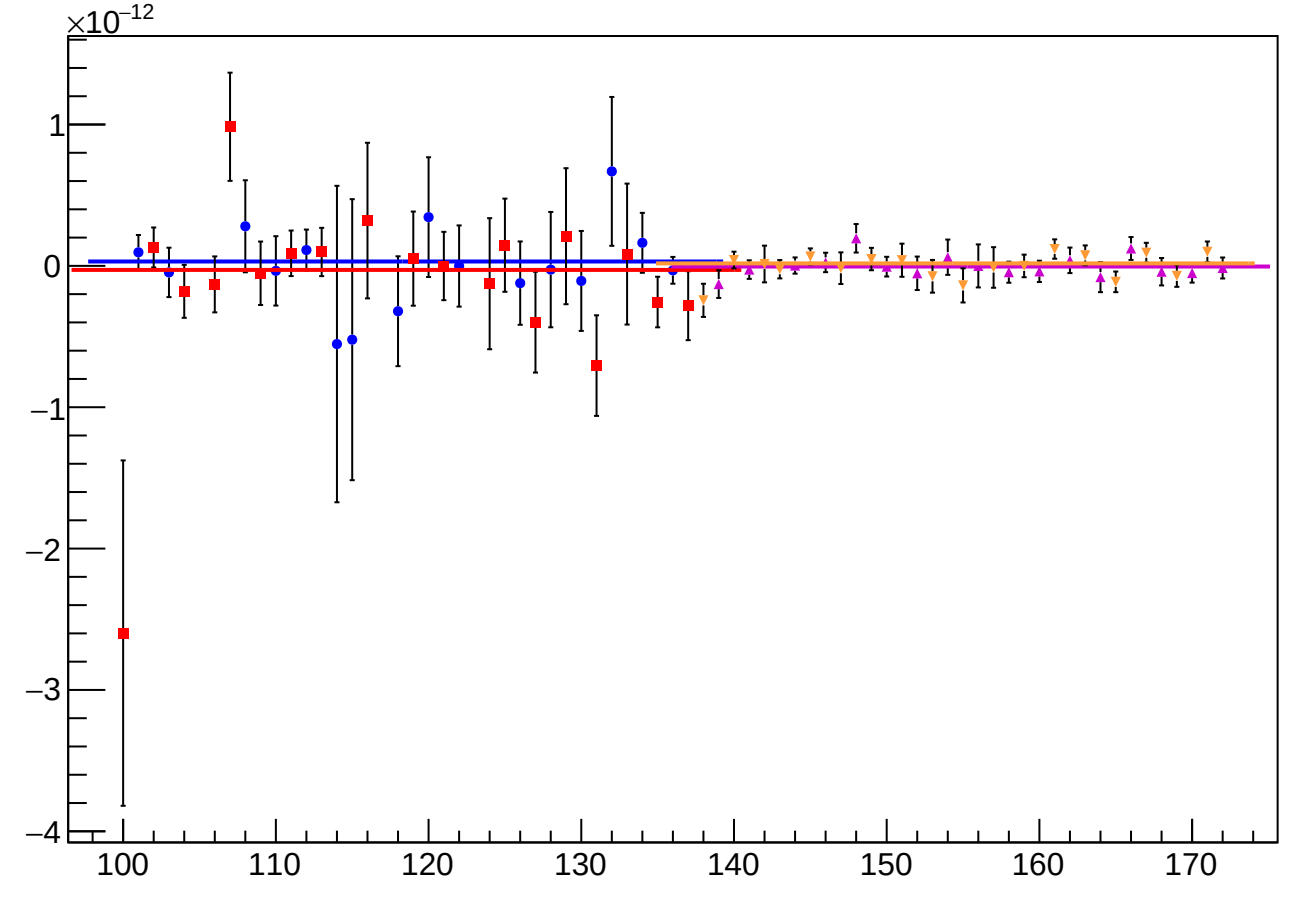
Left: 2035.144+/-0.275 χ^2/NDF: 1298063.8/34

Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2134.512+/-0.336 χ^2/NDF:1800635.3/32

Out: 2132.891+/-0.332 χ^2/NDF:1934371.3/36

All: 2133.692+/-0.236 χ^2/NDF: 3735018.4/69



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/17

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.6/16

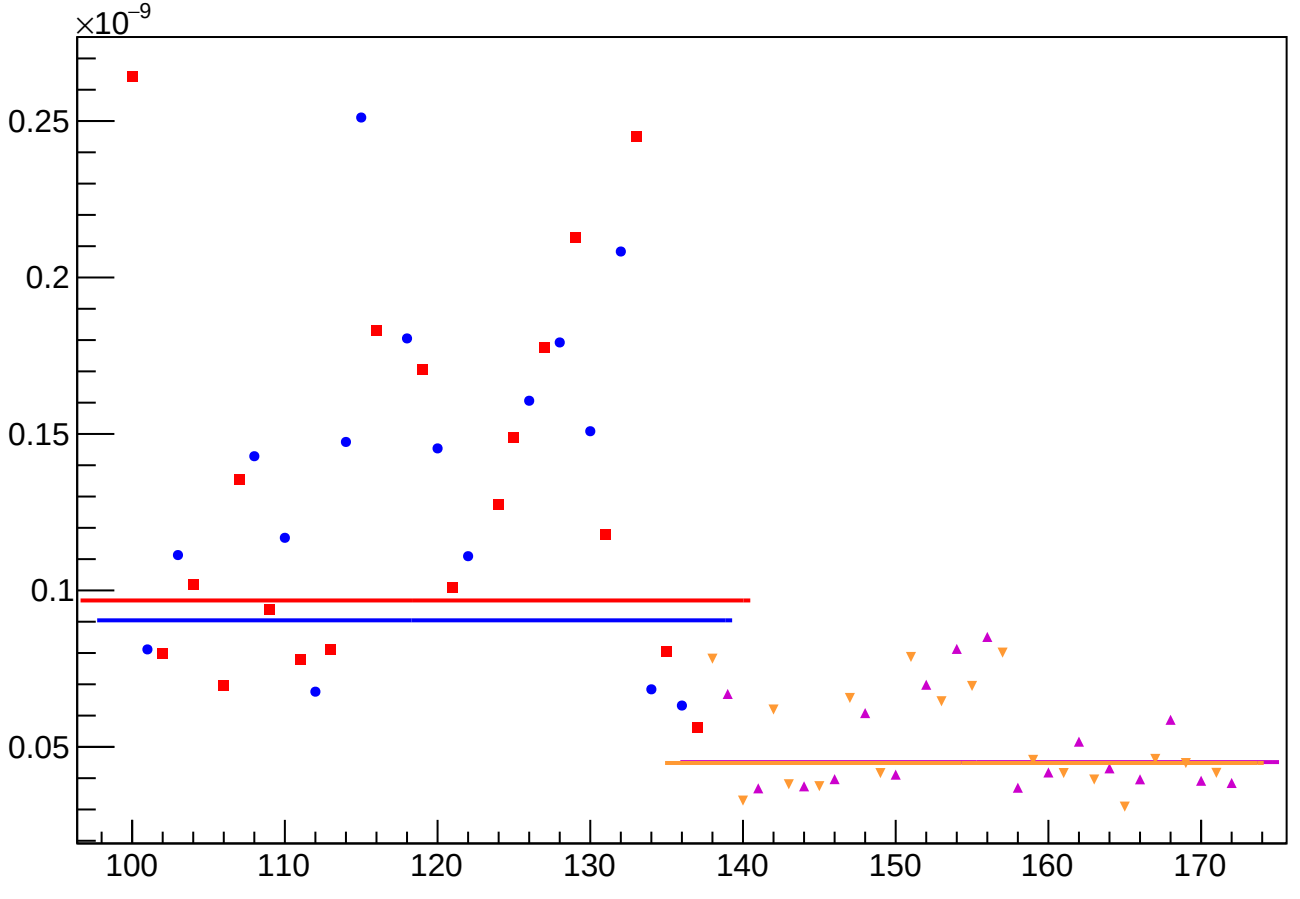
Left: 0.000+/-0.000 χ^2/NDF: 29.9/34

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:42.5/36

All: 0.000+/-0.000 χ^2/NDF: 59.9/69



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:929559.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:747246.5/16

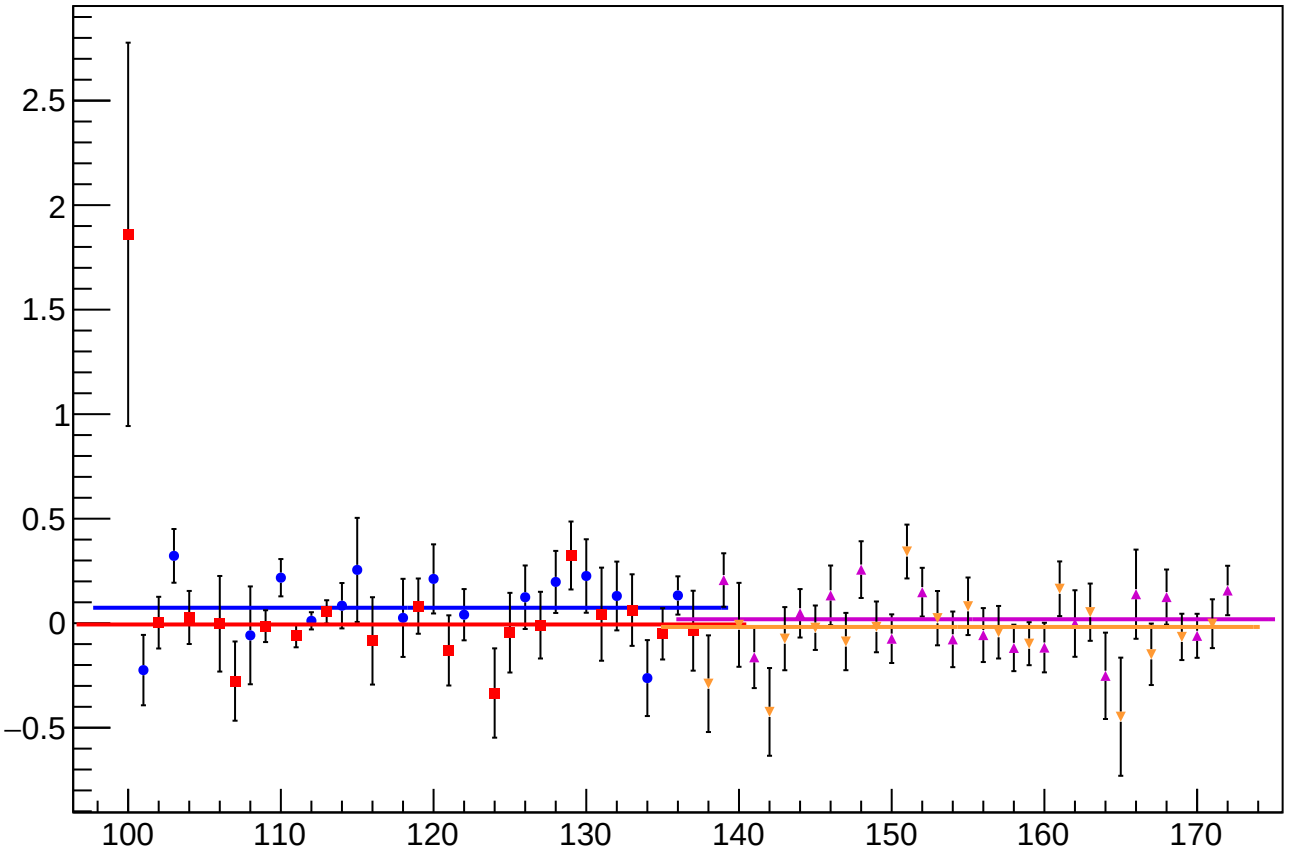
Left: 0.000+/-0.000 χ^2/NDF: 1677022.8/34

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:3327626.6/36

All: 0.000+/-0.000 χ^2/NDF: 6303565.2/69



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.018+/-0.032 χ^2/NDF:20.2/17

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.019+/-0.032 χ^2/NDF:17.6/16

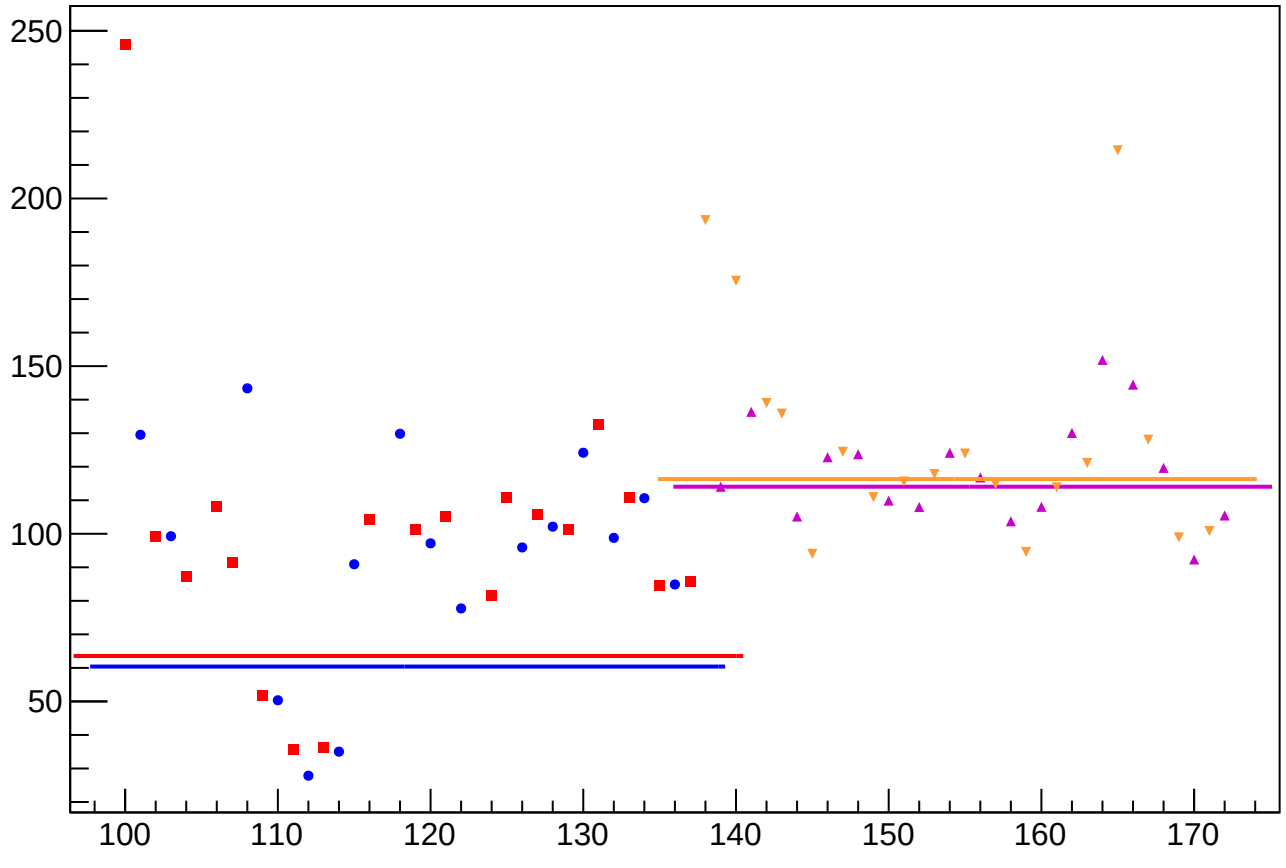
Left: 0.001+/-0.022 χ^2/NDF: 38.4/34

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.051+/-0.021 χ^2/NDF:38.3/32

Out: -0.011+/-0.021 χ^2/NDF:36.7/36

All: 0.020+/-0.015 χ^2/NDF: 79.5/69



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 116.315+/-0.023 χ^2/NDF:989537.6/17

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.033+/-0.022 χ^2/NDF:345441.6/16

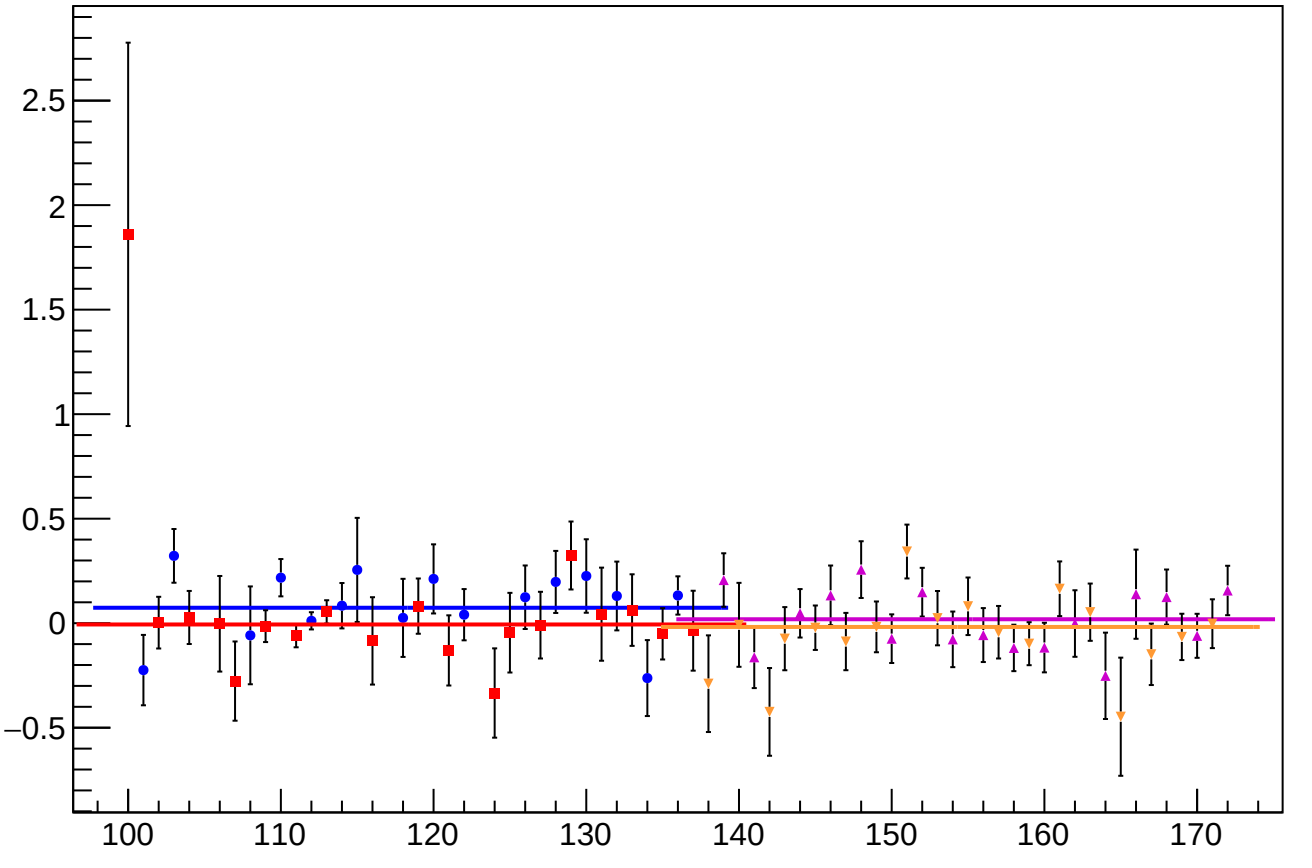
Left: 115.157+/-0.016 χ^2/NDF: 1340133.5/34

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 83.091+/-0.015 χ^2/NDF:7219140.7/32

Out: 85.314+/-0.015 χ^2/NDF:6833938.4/36

All: 84.200+/-0.010 χ^2/NDF: 14064793.4/69



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.018+/-0.032 χ^2/NDF:20.2/17

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.019+/-0.032 χ^2/NDF:17.6/16

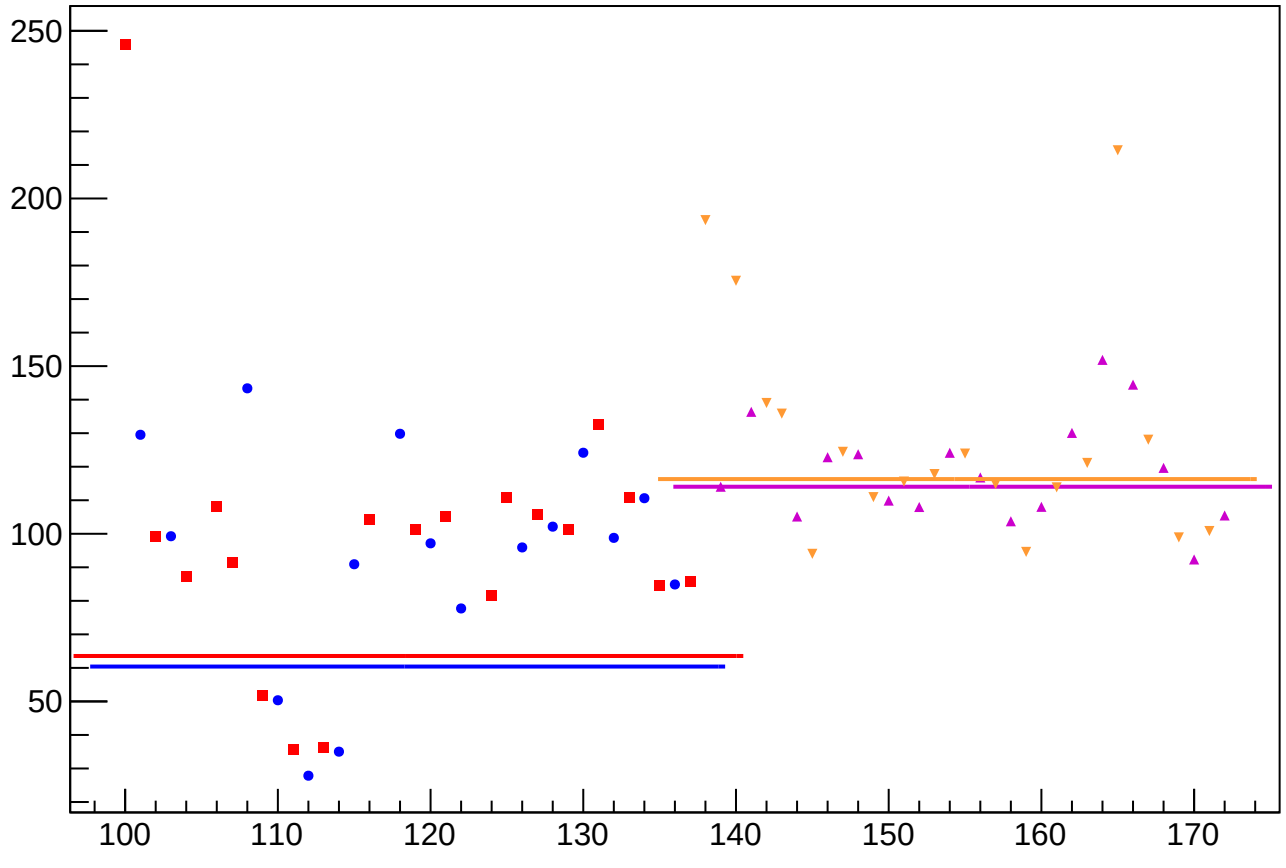
Left: 0.001+/-0.022 χ^2/NDF: 38.4/34

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.051+/-0.021 χ^2/NDF:38.3/32

Out: -0.011+/-0.021 χ^2/NDF:36.7/36

All: 0.020+/-0.015 χ^2/NDF: 79.5/69



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 116.315+/-0.023 χ^2/NDF:989537.6/17

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.033+/-0.022 χ^2/NDF:345441.6/16

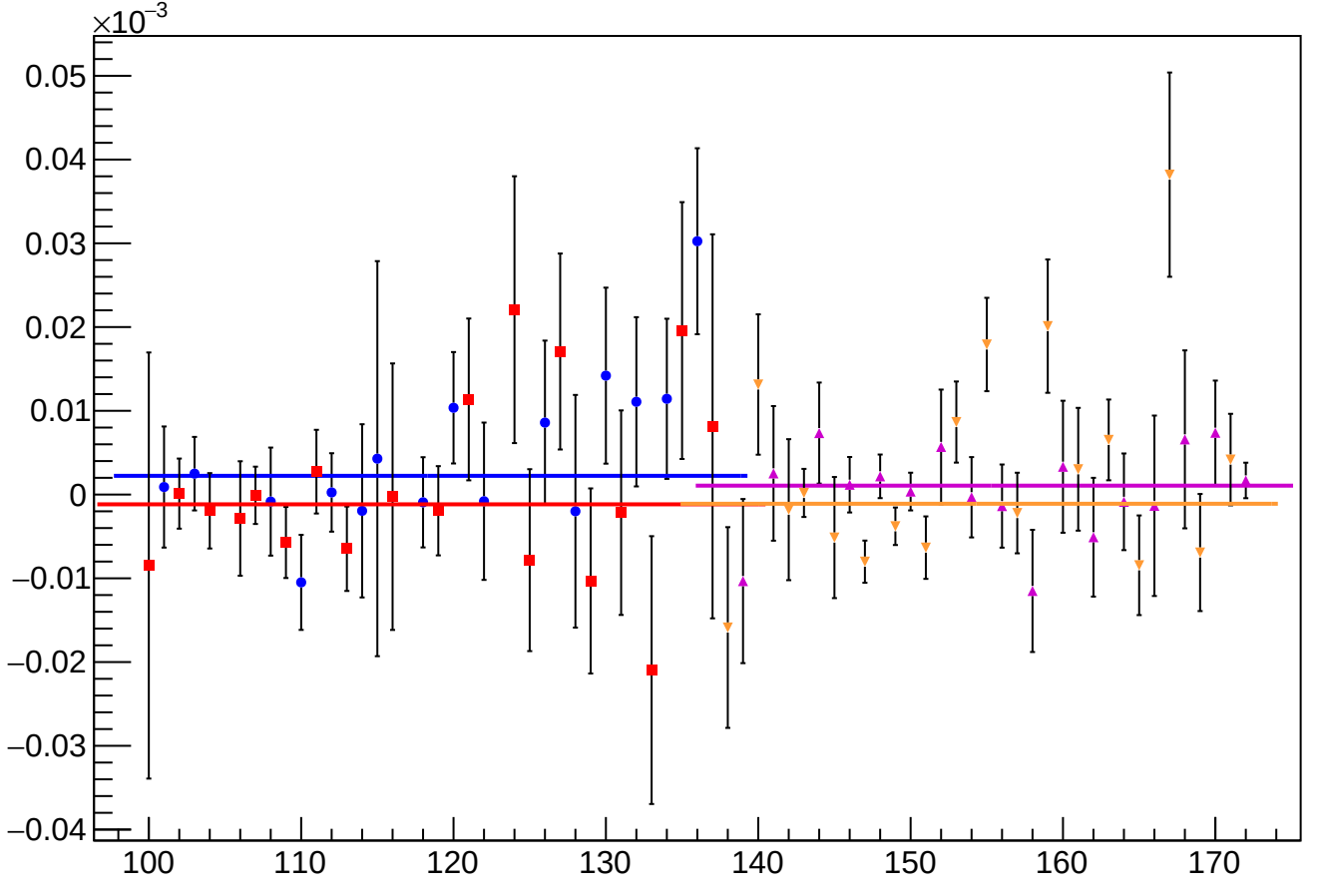
Left: 115.157+/-0.016 χ^2/NDF: 1340133.5/34

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 83.091+/-0.015 χ^2/NDF:7219140.7/32

Out: 85.314+/-0.015 χ^2/NDF:6833938.4/36

All: 84.200+/-0.010 χ^2/NDF: 14064793.4/69



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

Left Out: -0.000+/-0.000 χ^2/NDF:55.1/17

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/16

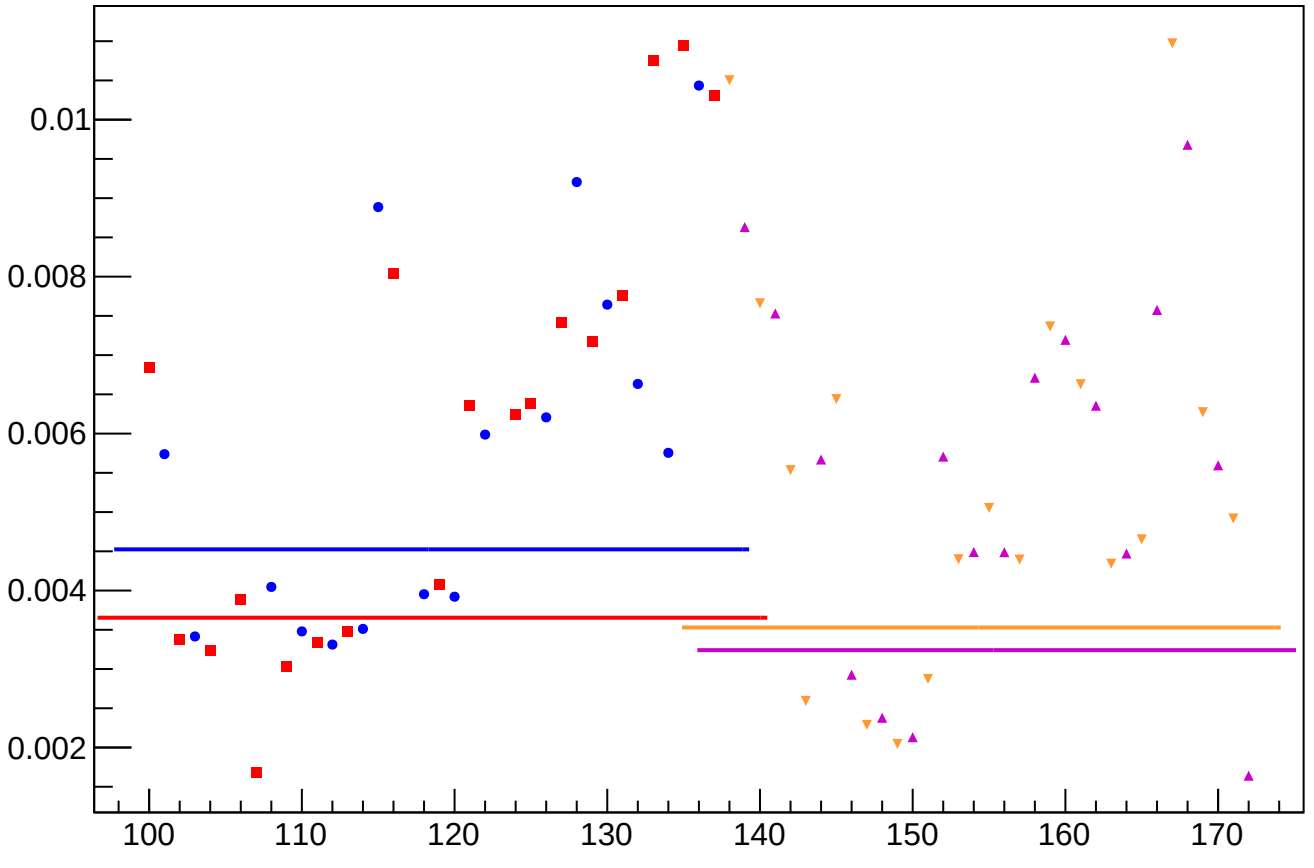
Left: 0.000+/-0.000 χ^2/NDF: 66.1/34

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:69.2/36

All: 0.000+/-0.000 χ^2/NDF: 99.8/69



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:5649624.1/17

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:6660466.1/16

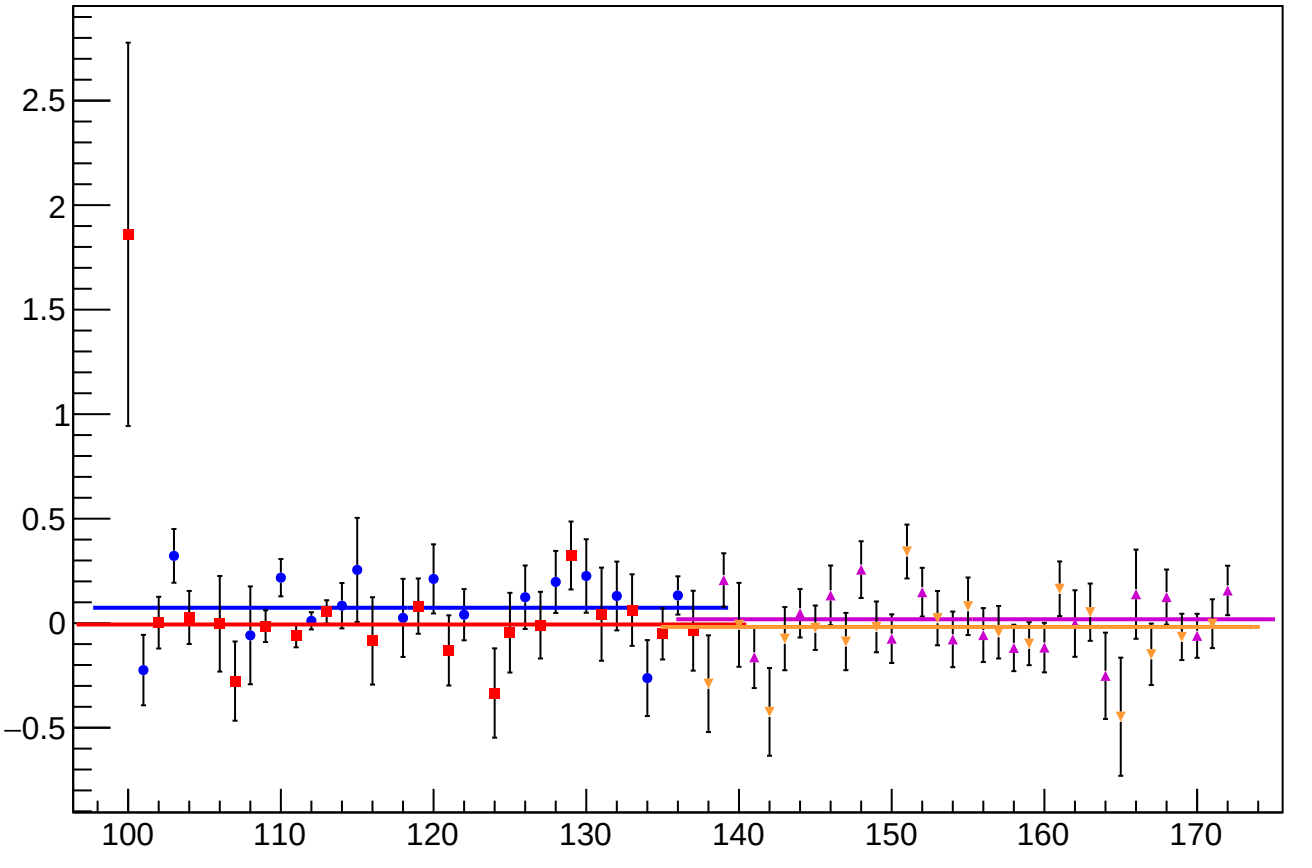
Left: 0.003+/-0.000 χ^2/NDF: 12386367.8/34

Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:9141941.9/32

Out: 0.004+/-0.000 χ^2/NDF:8592099.0/36

All: 0.004+/-0.000 χ^2/NDF: 17734412.1/69



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.018+/-0.032 χ^2/NDF:20.2/17

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.019+/-0.032 χ^2/NDF:17.6/16

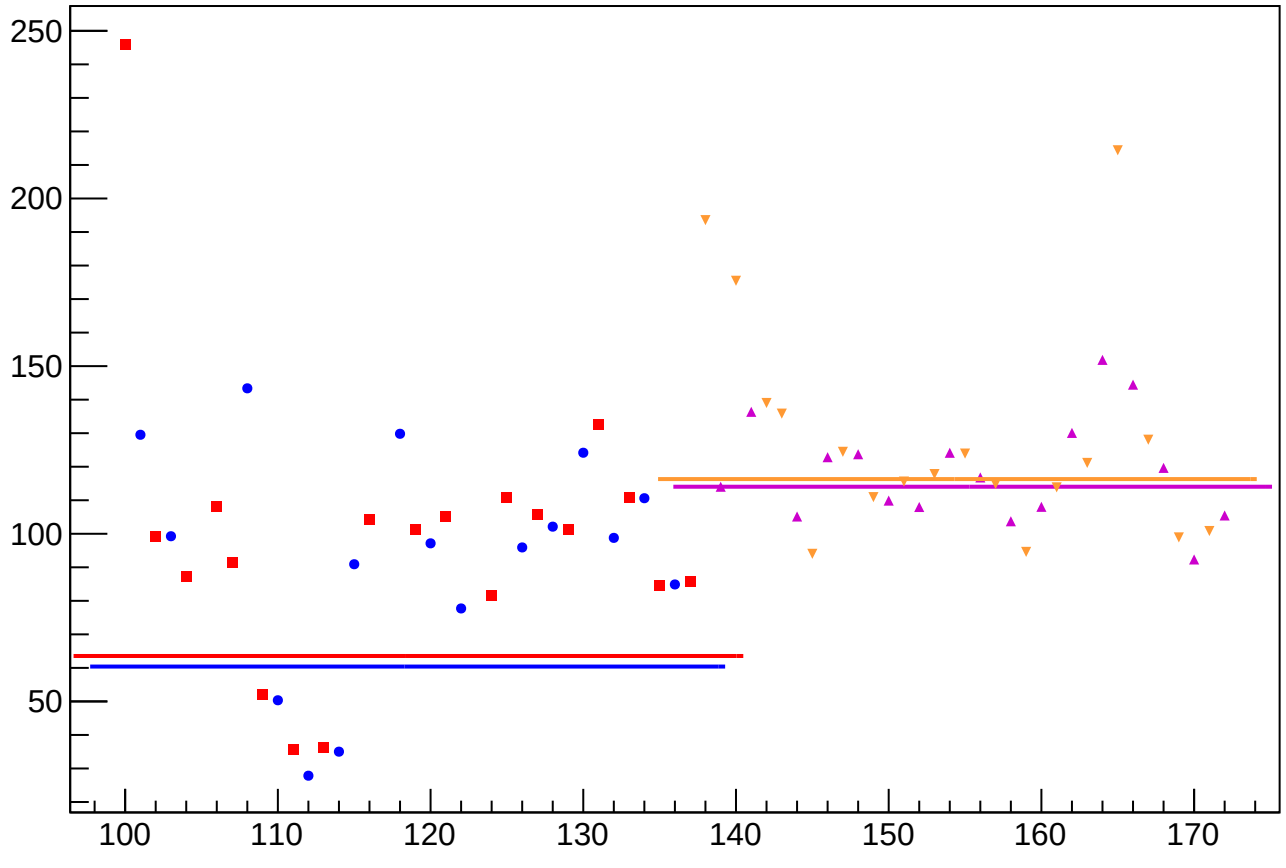
Left: 0.001+/-0.022 χ^2/NDF: 38.4/34

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.051+/-0.021 χ^2/NDF:38.3/32

Out: -0.011+/-0.021 χ^2/NDF:36.7/36

All: 0.020+/-0.015 χ^2/NDF: 79.5/69



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 116.316+/-0.023 χ^2/NDF:989513.6/17

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.034+/-0.022 χ^2/NDF:345444.7/16

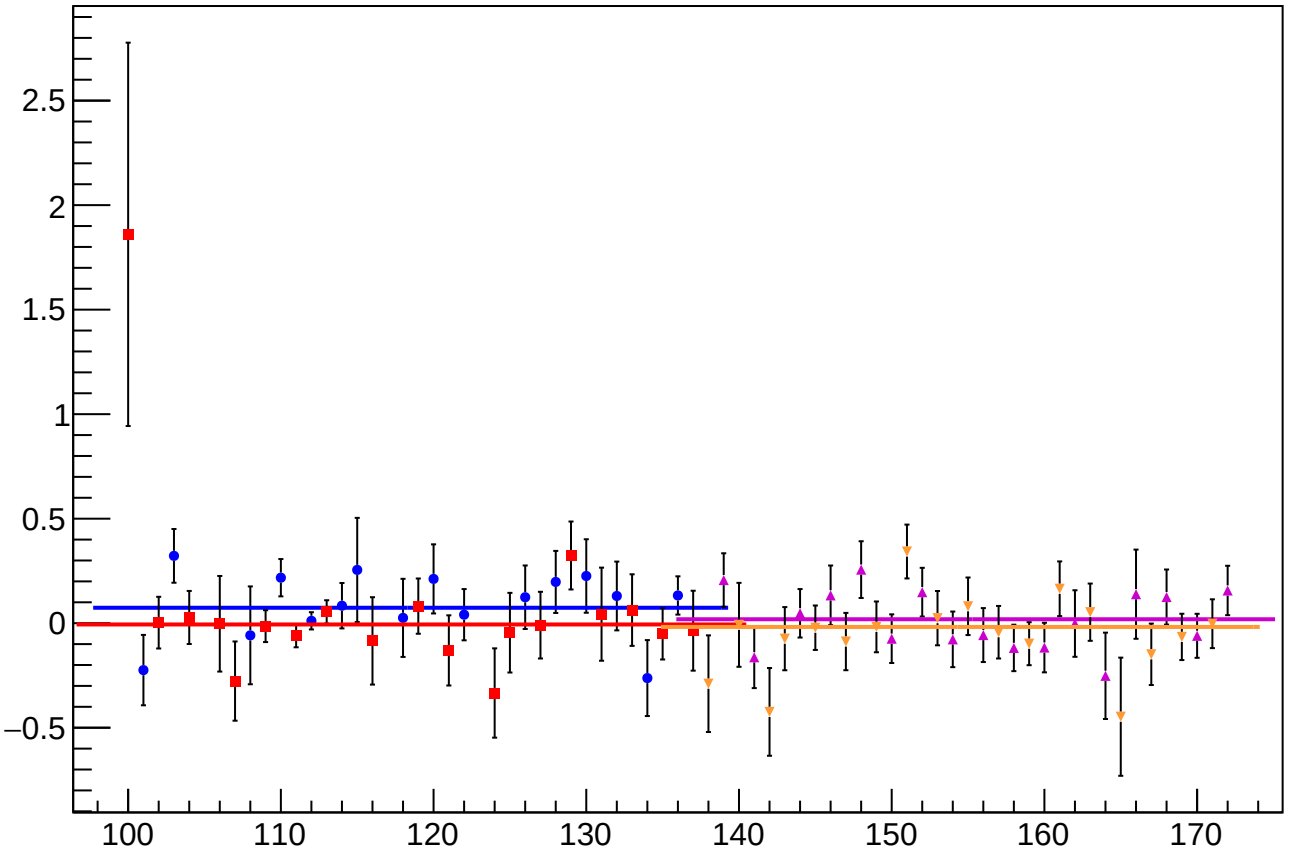
Left: 115.158+/-0.016 χ^2/NDF: 1340113.0/34

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 83.089+/-0.015 χ^2/NDF:7219809.3/32

Out: 85.313+/-0.015 χ^2/NDF:6834542.9/36

All: 84.198+/-0.010 χ^2/NDF: 14066069.9/69



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.018+/-0.032 χ^2/NDF:20.2/17

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: 38.4/34

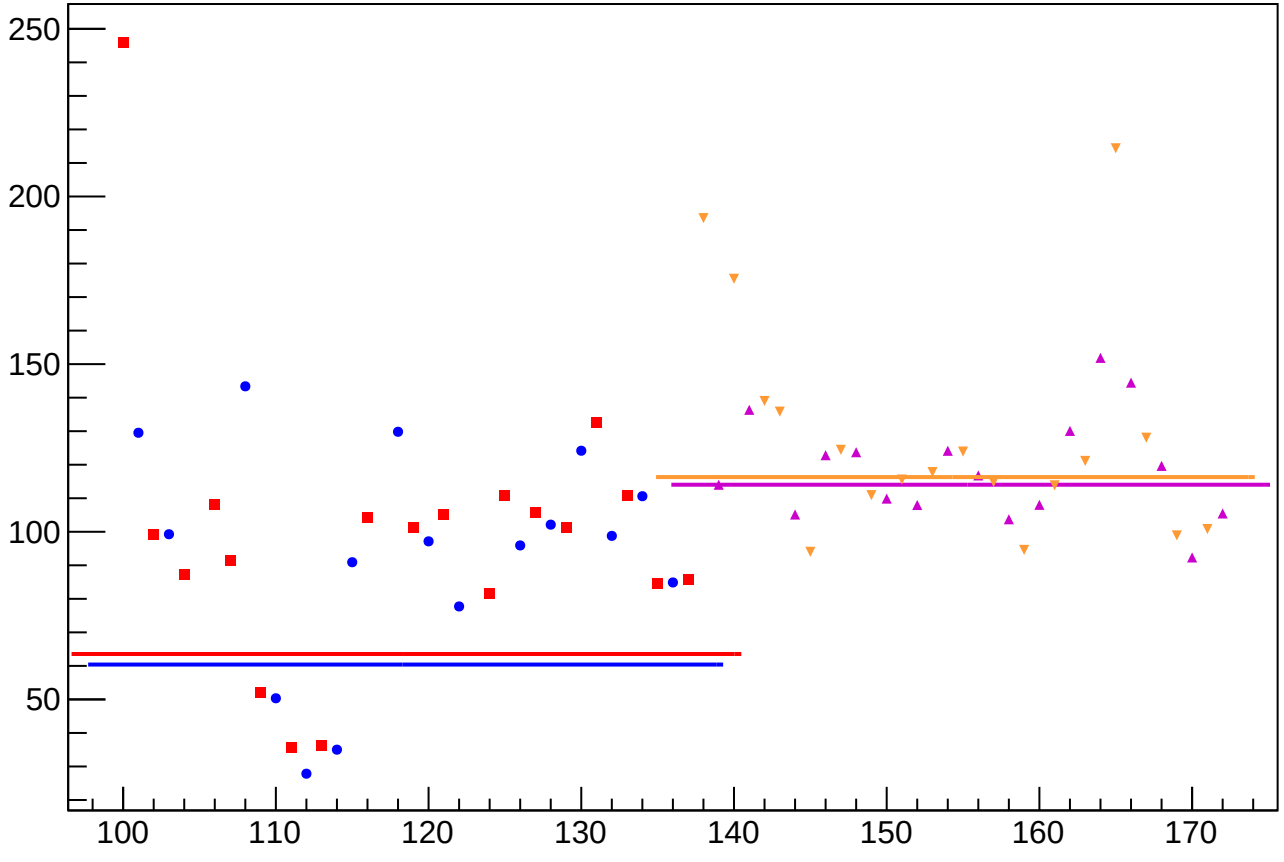
Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.051+/-0.021 χ^2/NDF:38.3/32

Out: -0.011+/-0.021 χ^2/NDF:36.7/36

All: 0.020+/-0.015 χ^2/NDF: 79.5/69

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: 116.316+/-0.023 χ^2/NDF:989513.6/17

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.034+/-0.022 χ^2/NDF:345444.7/16

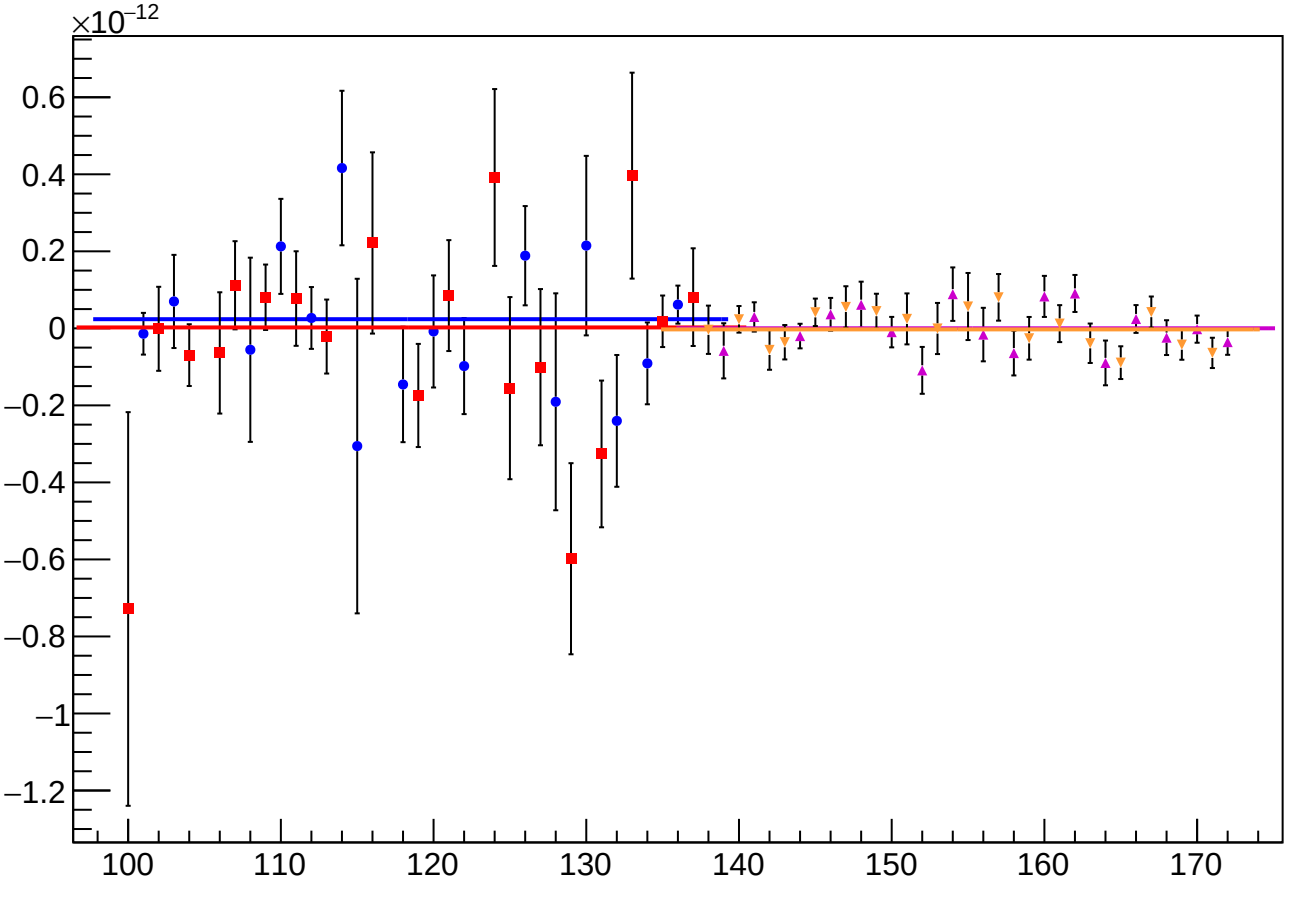
Left: 115.158+/-0.016 χ^2/NDF: 1340113.0/34

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 83.089+/-0.015 χ^2/NDF:7219809.3/32

Out: 85.313+/-0.015 χ^2/NDF:6834542.9/36

All: 84.198+/-0.010 χ^2/NDF: 14066069.9/69



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:19.9/16

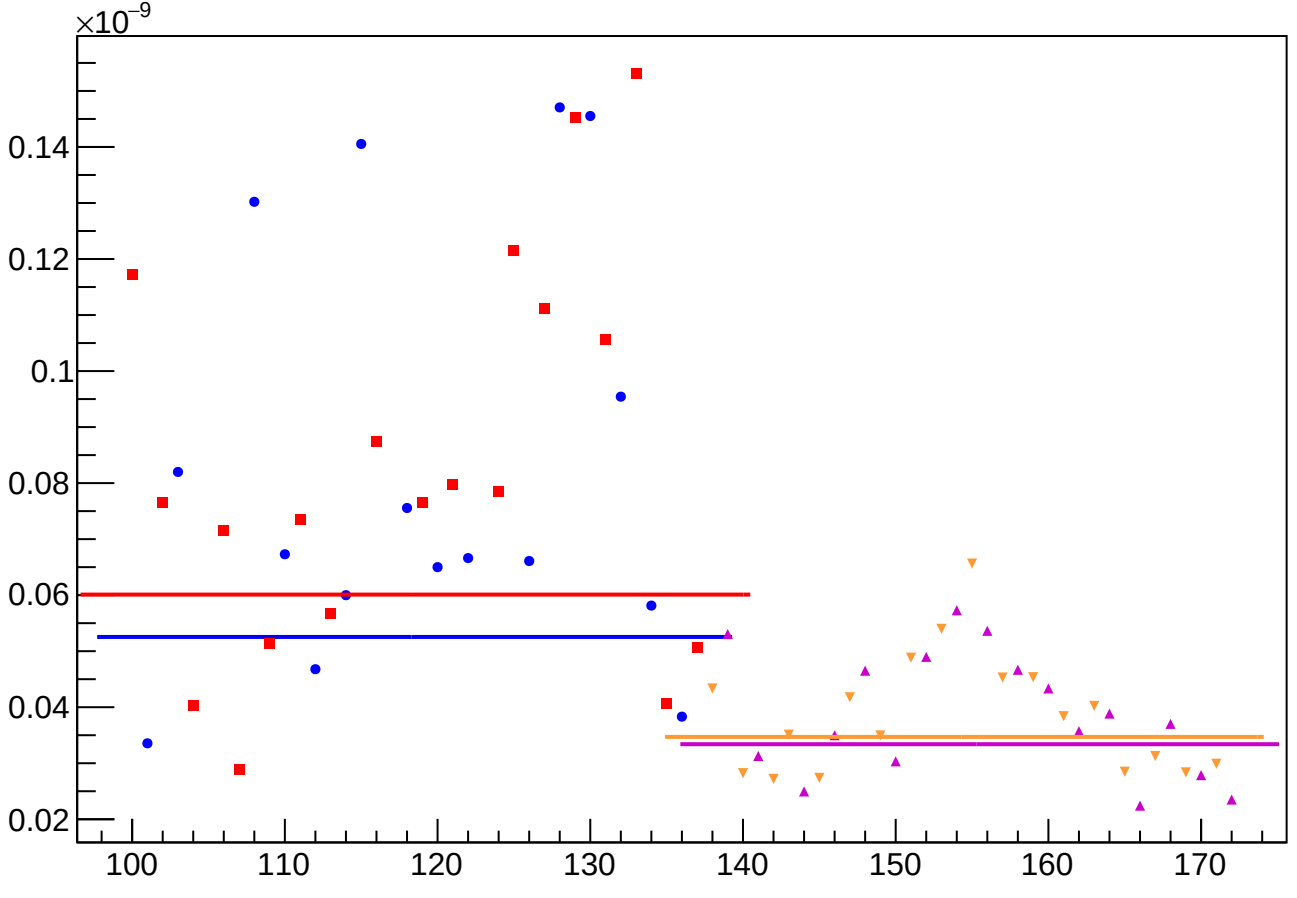
Left: -0.000+/-0.000 χ^2/NDF: 38.0/34

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:41.3/36

All: 0.000+/-0.000 χ^2/NDF: 78.8/69



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1091565.5/17

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: 2672734.0/34

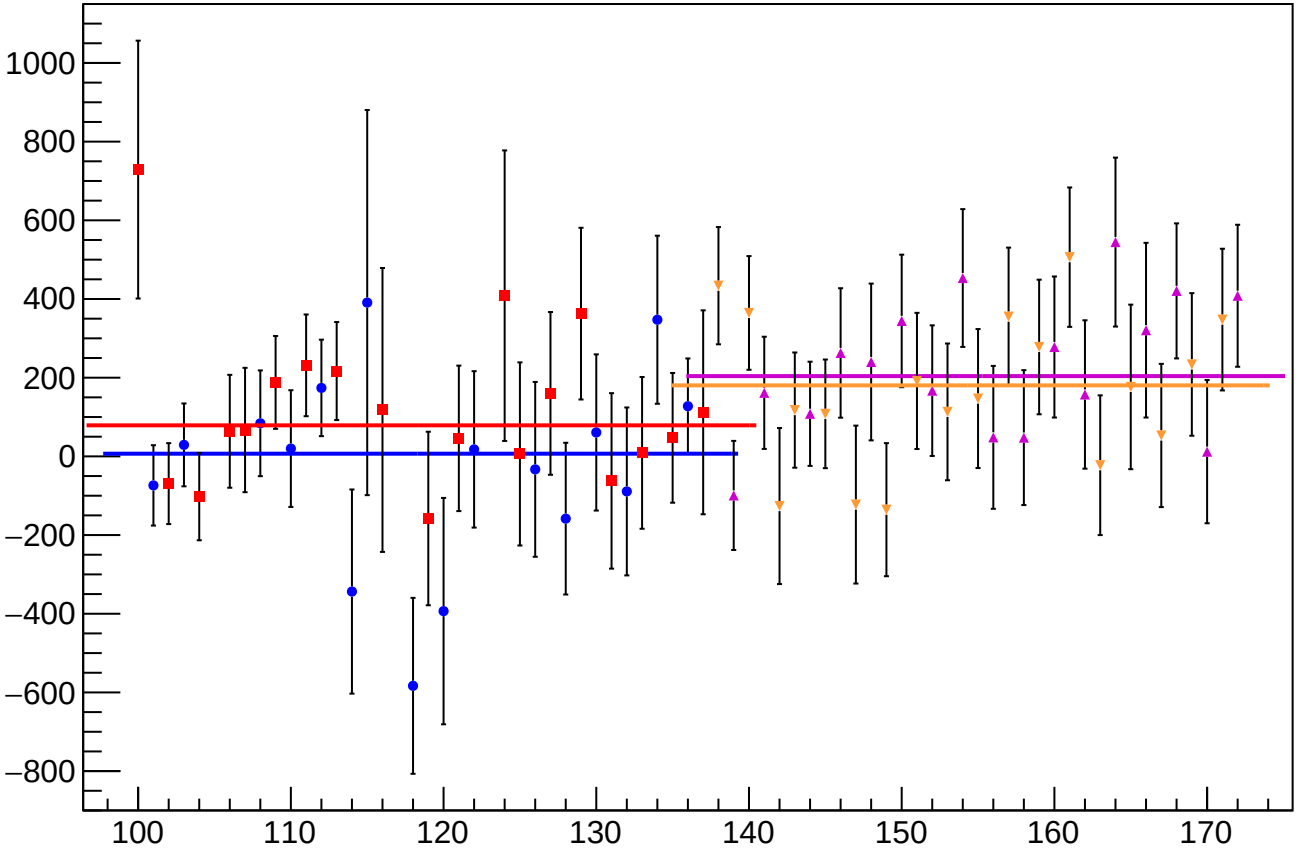
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:4126122.8/32

Out: 0.000+/-0.000 χ^2/NDF:3978370.7/36

All: 0.000+/-0.000 χ^2/NDF: 8134025.9/69

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 180.478+/-40.151 χ^2/NDF:20.8/17

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: 191.904+/-28.805 χ^2/NDF: 37.8/34

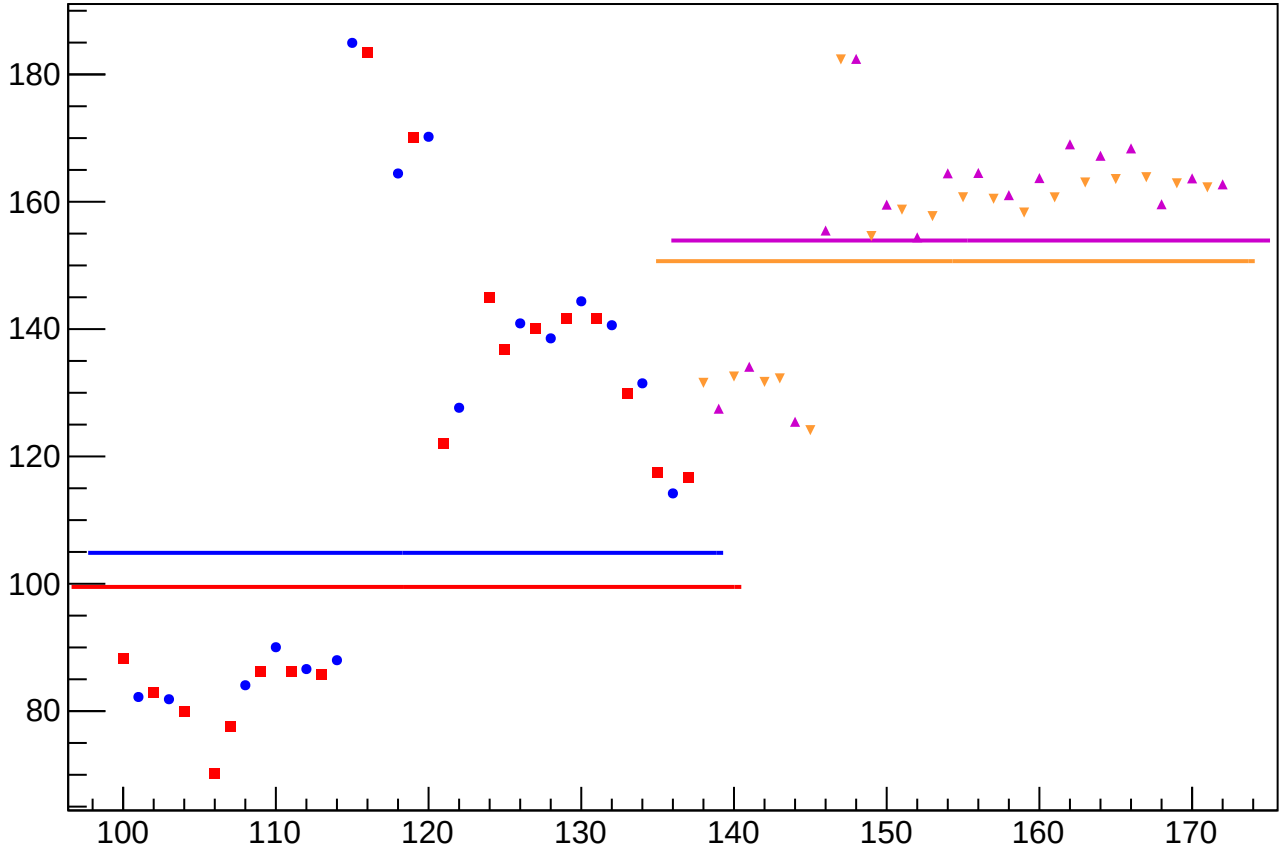
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 103.014+/-28.879 χ^2/NDF:47.3/32

Out: 126.761+/-27.563 χ^2/NDF:40.8/36

All: 115.441+/-19.939 χ^2/NDF: 88.5/69

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 150.672+/-0.028 χ^2/NDF:315004.0/17

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 153.915+/-0.029 χ^2/NDF:312454.8/16

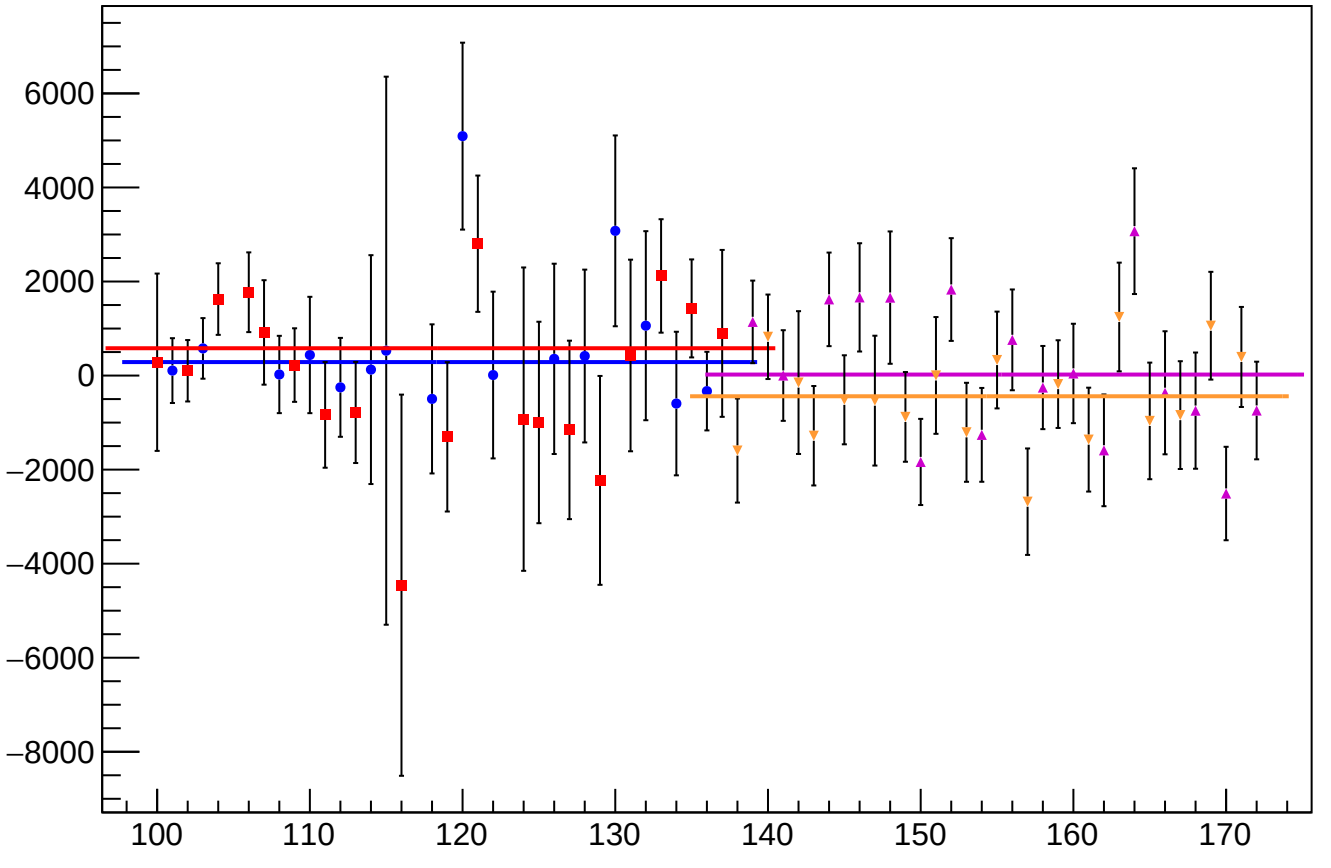
Left: 152.246+/-0.020 χ^2/NDF: 633789.2/34

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 128.790+/-0.020 χ^2/NDF:2685494.8/32

Out: 123.620+/-0.019 χ^2/NDF:3071230.4/36

All: 126.084+/-0.014 χ^2/NDF: 5790271.9/69



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -440.162+/-256.717 χ^2/NDF:14.6/17

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: -209.358+/-181.540 χ^2/NDF: 47.5/34

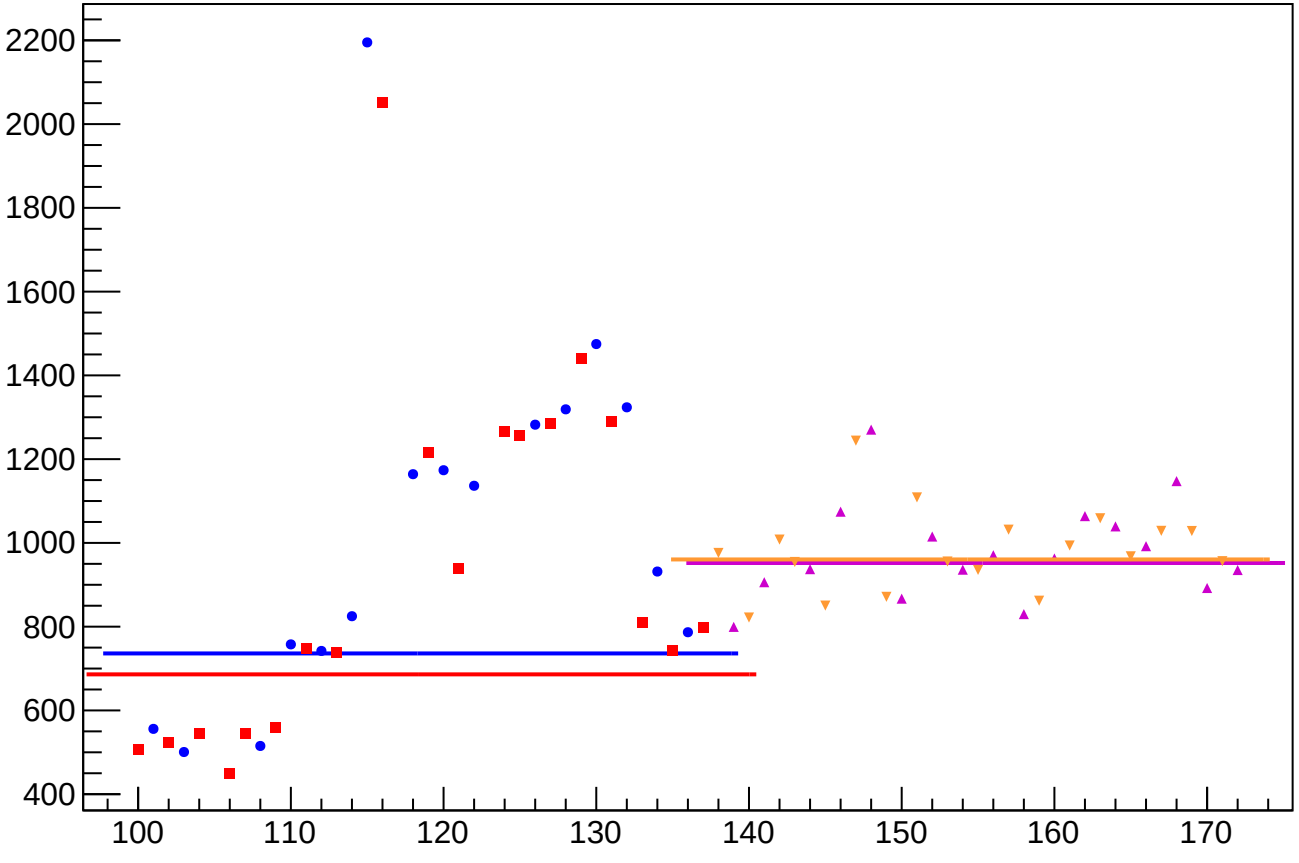
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 136.584+/-193.240 χ^2/NDF:41.4/32

Out: 45.211+/-185.971 χ^2/NDF:40.9/36

All: 89.147+/-133.997 χ^2/NDF: 82.4/69

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 960.501+/-0.182 χ^2/NDF:269495.9/17

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: 956.273+/-0.128 χ^2/NDF: 610337.3/34

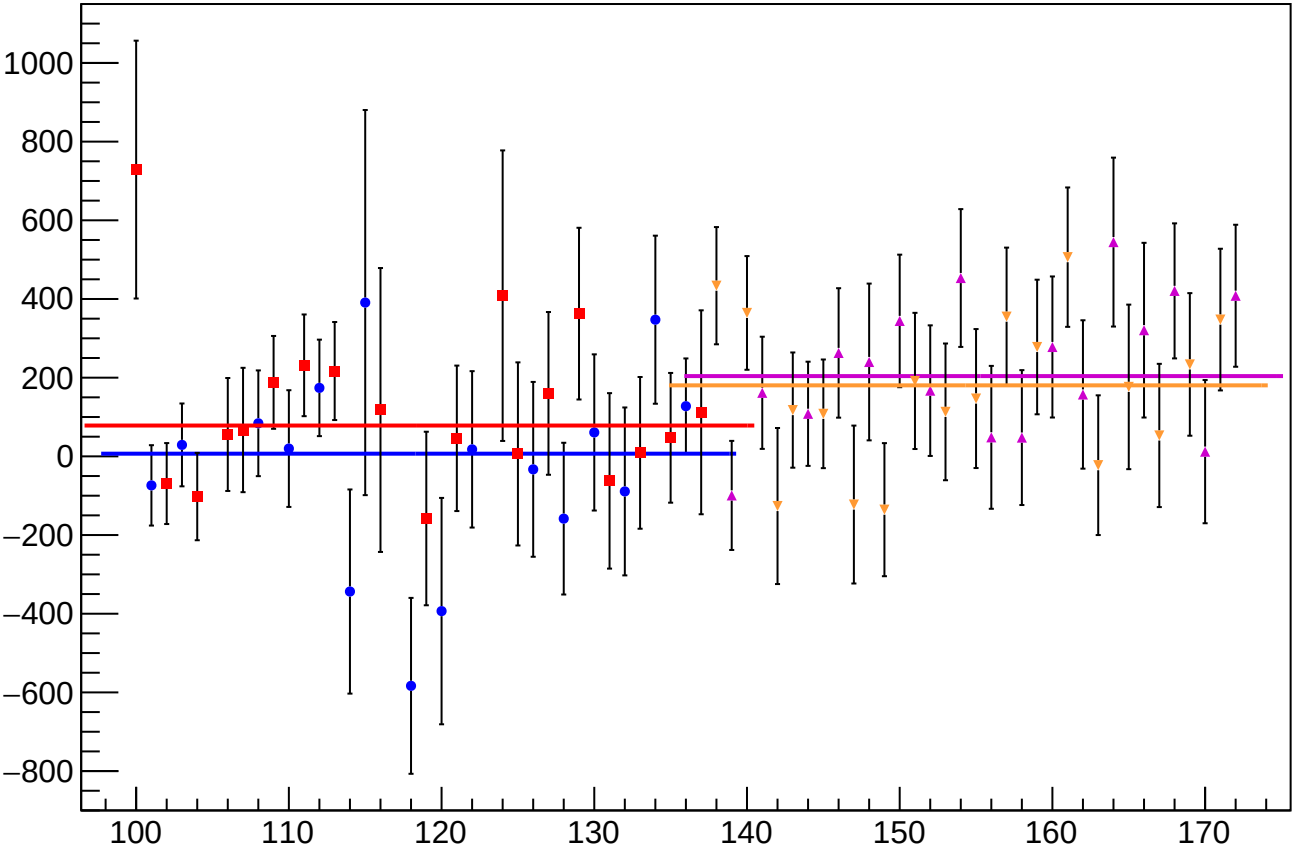
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 858.411+/-0.137 χ^2/NDF:2797715.5/32

Out: 830.106+/-0.132 χ^2/NDF:3174481.7/36

All: 843.716+/-0.095 χ^2/NDF: 5994475.5/69

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 180.476+/-40.151 χ^2/NDF:20.8/17

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: 191.903+/-28.805 χ^2/NDF: 37.8/34

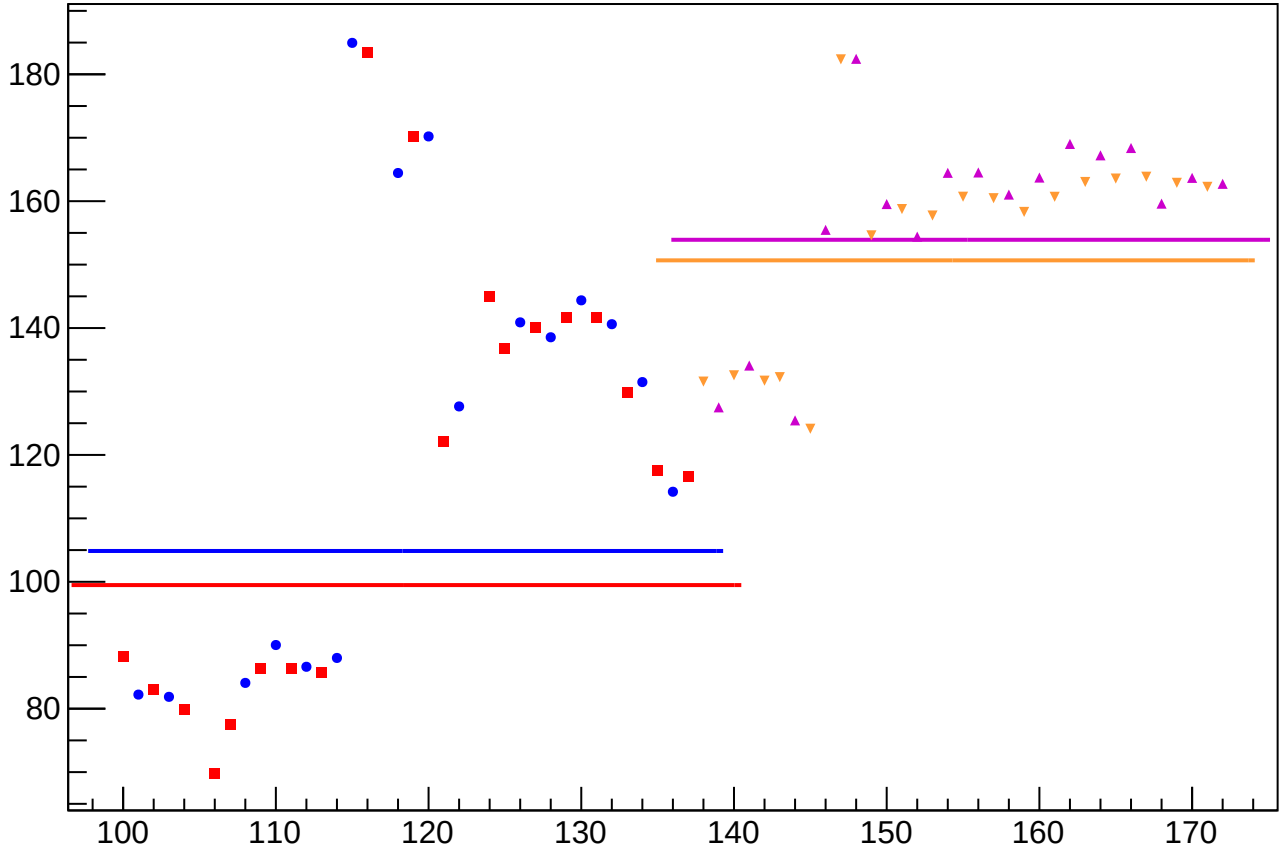
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 103.009+/-28.879 χ^2/NDF:47.3/32

Out: 126.481+/-27.564 χ^2/NDF:40.9/36

All: 115.292+/-19.939 χ^2/NDF: 88.6/69

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 150.672+/-0.028 χ^2/NDF:315004.0/17

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 153.915+/-0.029 χ^2/NDF:312454.8/16

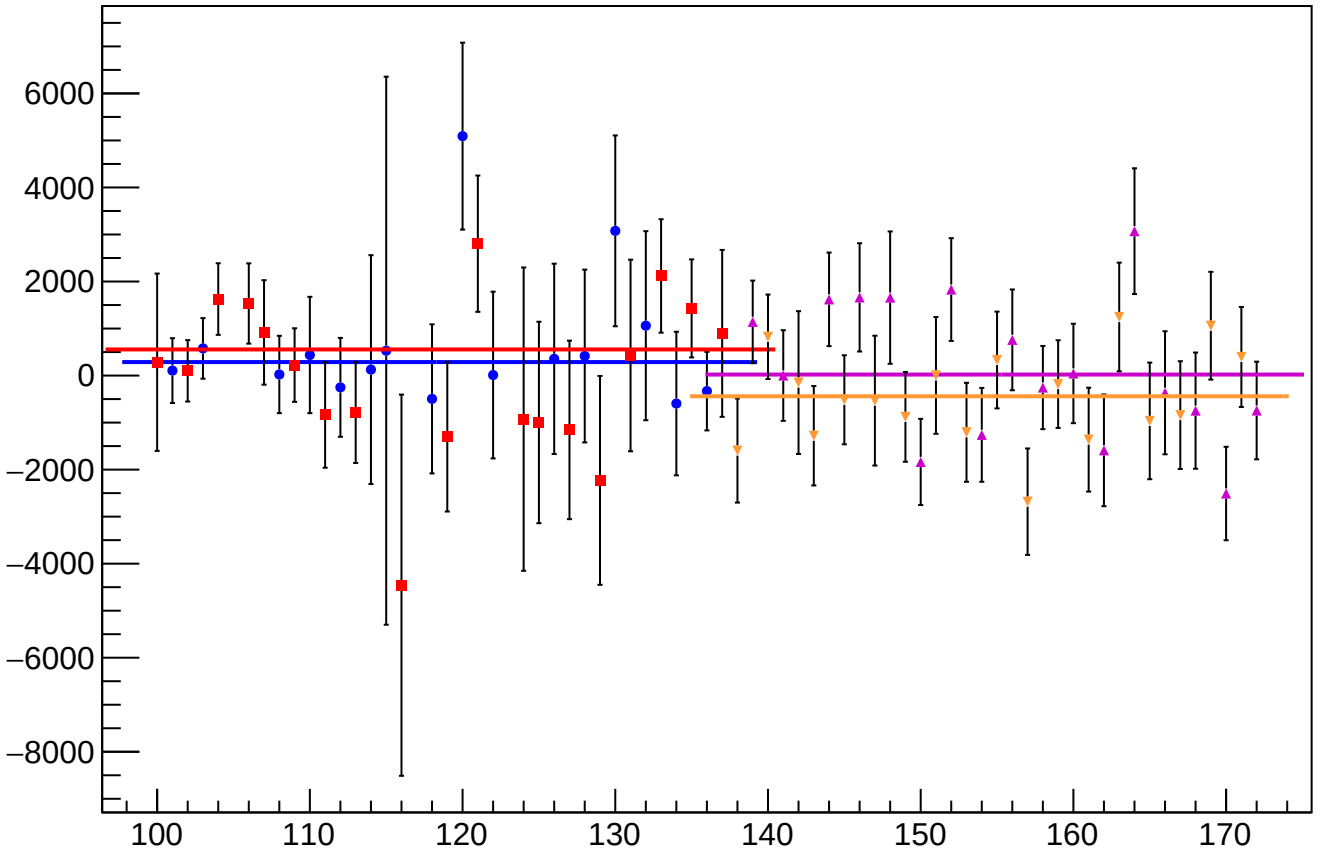
Left: 152.246+/-0.020 χ^2/NDF: 633789.2/34

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 128.790+/-0.020 χ^2/NDF:2685493.1/32

Out: 123.609+/-0.019 χ^2/NDF:3074906.4/36

All: 126.079+/-0.014 χ^2/NDF: 5794085.8/69



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -440.160+/-256.717 χ^2/NDF:14.6/17

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: -209.357+/-181.540 χ^2/NDF: 47.5/34

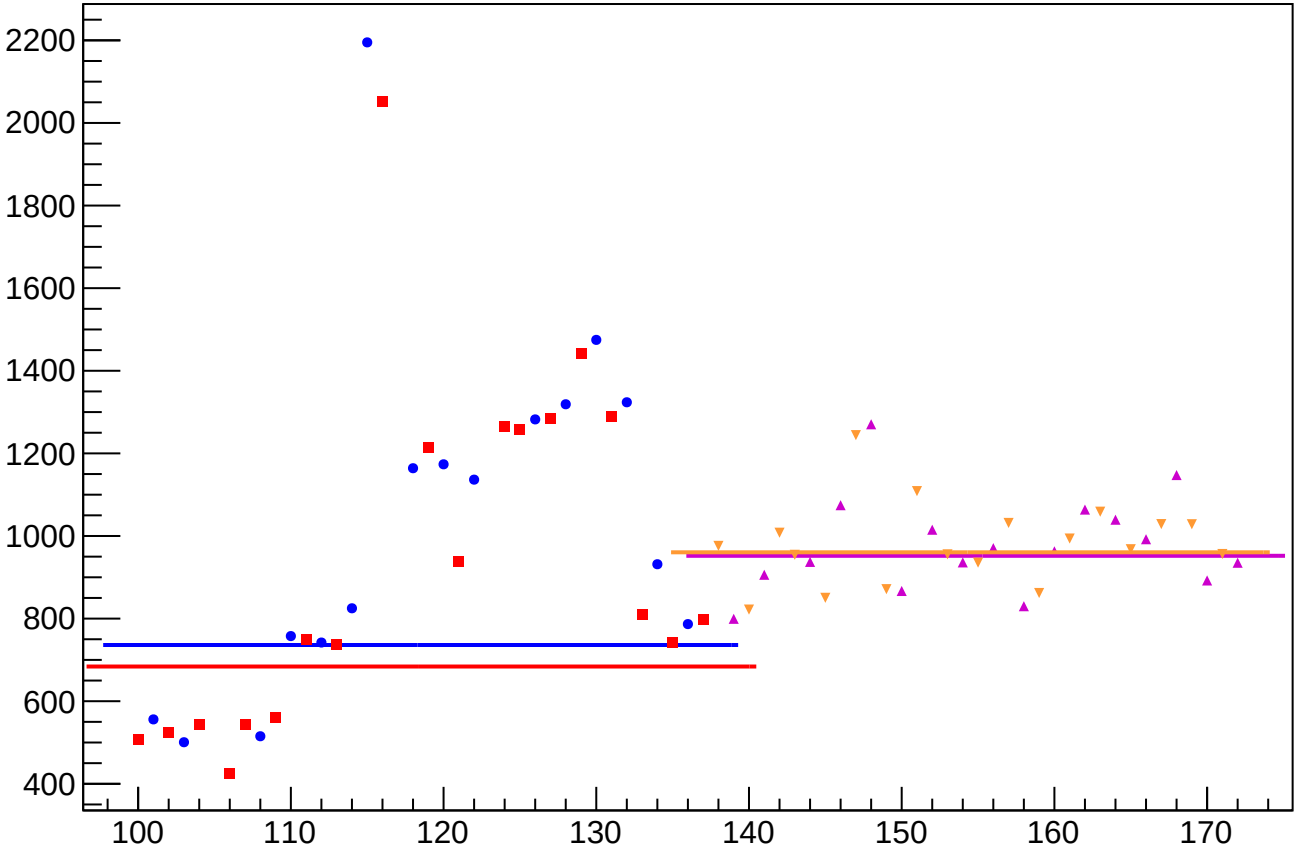
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 136.585+/-193.240 χ^2/NDF:41.4/32

Out: 32.633+/-186.030 χ^2/NDF:39.8/36

All: 82.634+/-134.019 χ^2/NDF: 81.3/69

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 960.501+/-0.182 χ^2/NDF:269495.4/17

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 952.044+/-0.182 χ^2/NDF:339759.0/16

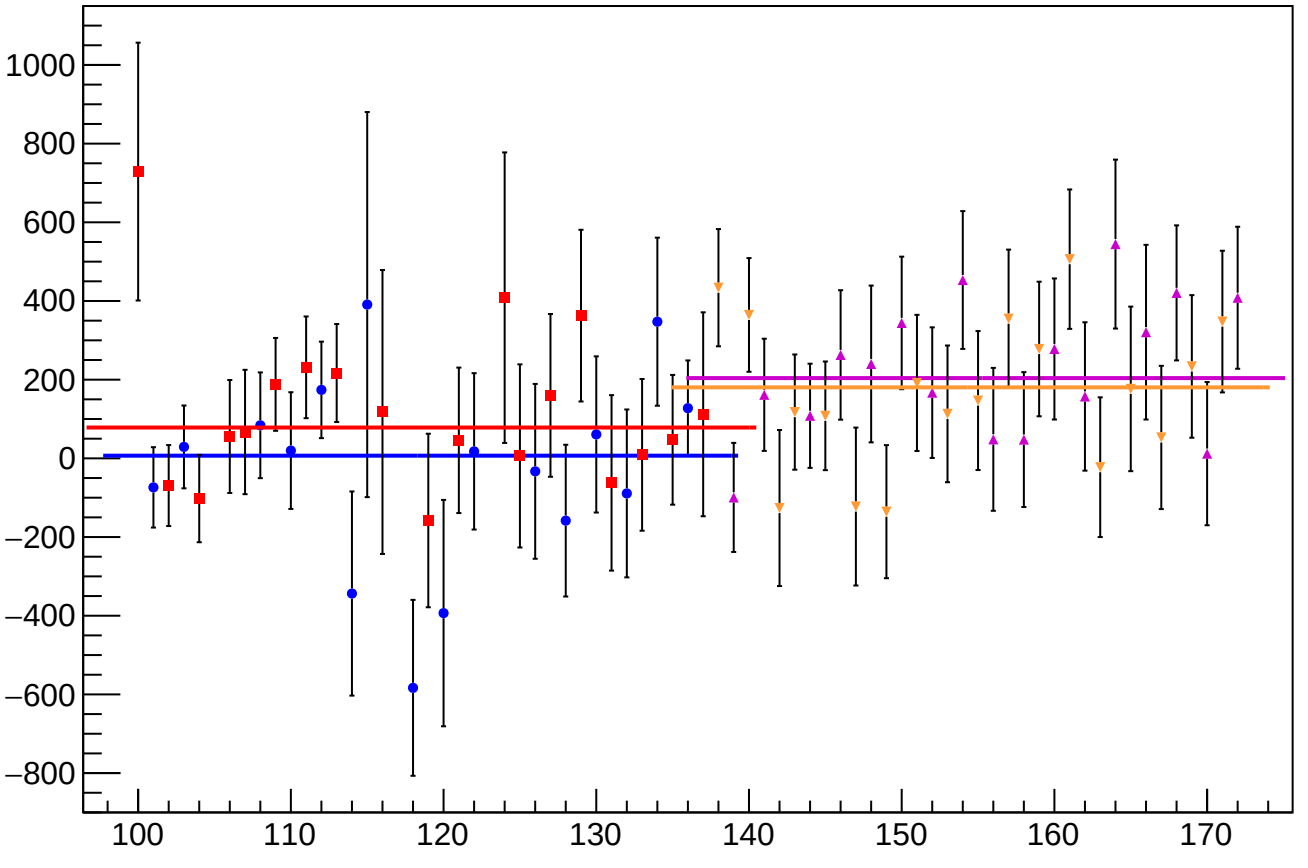
Left: 956.273+/-0.128 χ^2/NDF: 610339.6/34

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 858.411+/-0.137 χ^2/NDF:2797724.2/32

Out: 829.186+/-0.132 χ^2/NDF:3221849.6/36

All: 843.243+/-0.095 χ^2/NDF: 6043315.8/69



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 180.476+/-40.151 χ^2/NDF:20.8/17

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: 191.903+/-28.805 χ^2/NDF: 37.8/34

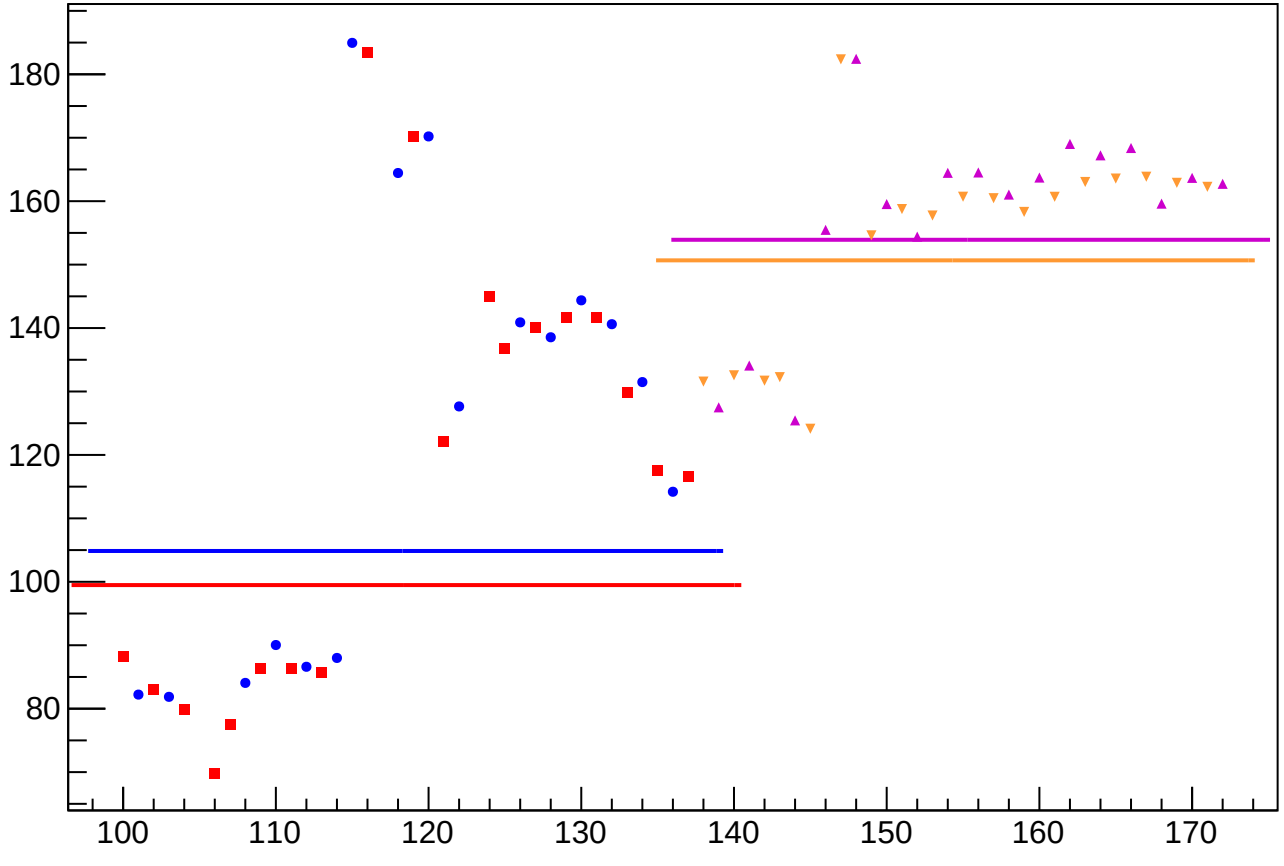
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 103.009+/-28.879 χ^2/NDF:47.3/32

Out: 126.481+/-27.564 χ^2/NDF:40.9/36

All: 115.292+/-19.939 χ^2/NDF: 88.6/69

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 150.672+/-0.028 χ^2/NDF:315004.0/17

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 153.915+/-0.029 χ^2/NDF:312454.8/16

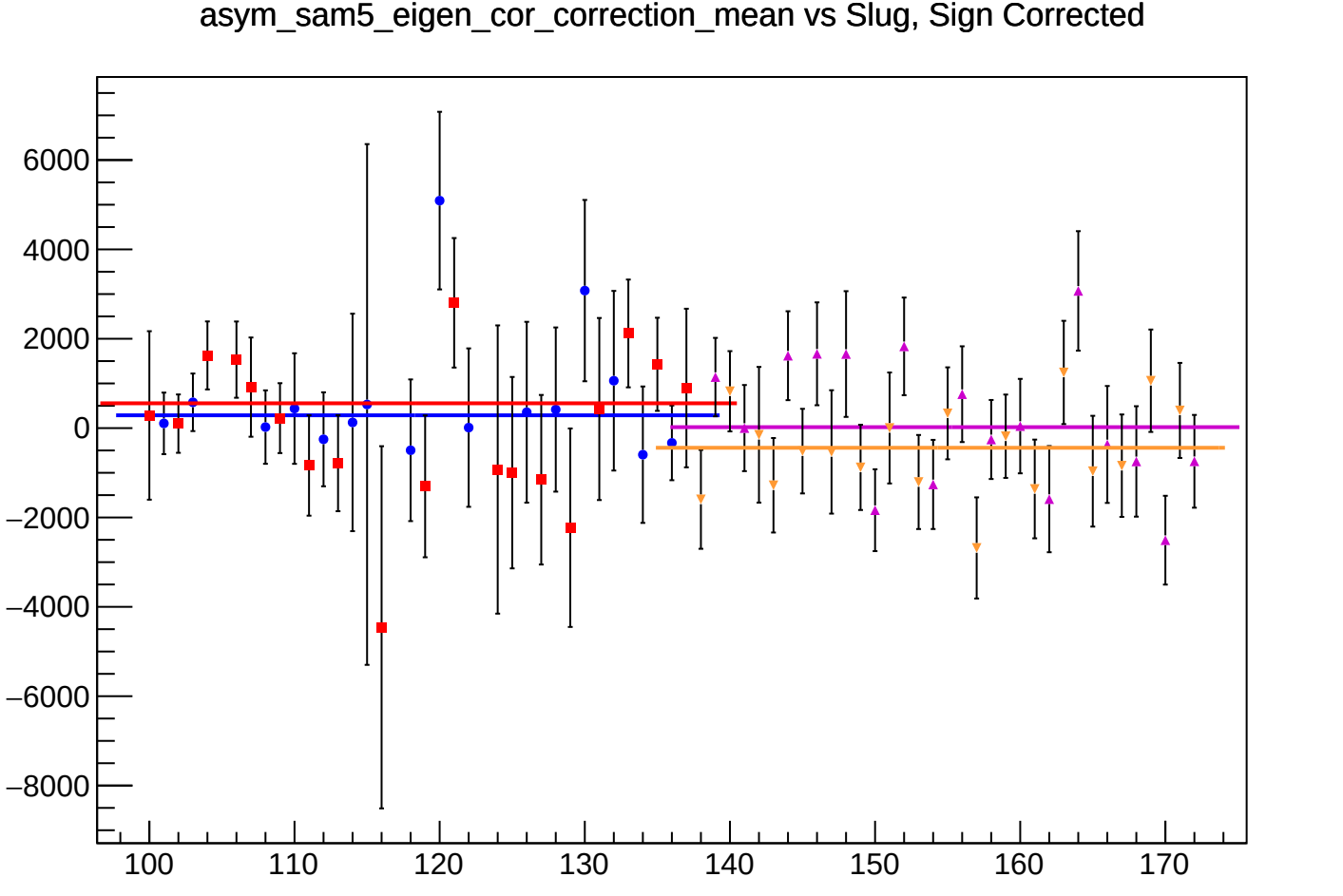
Left: 152.246+/-0.020 χ^2/NDF: 633789.2/34

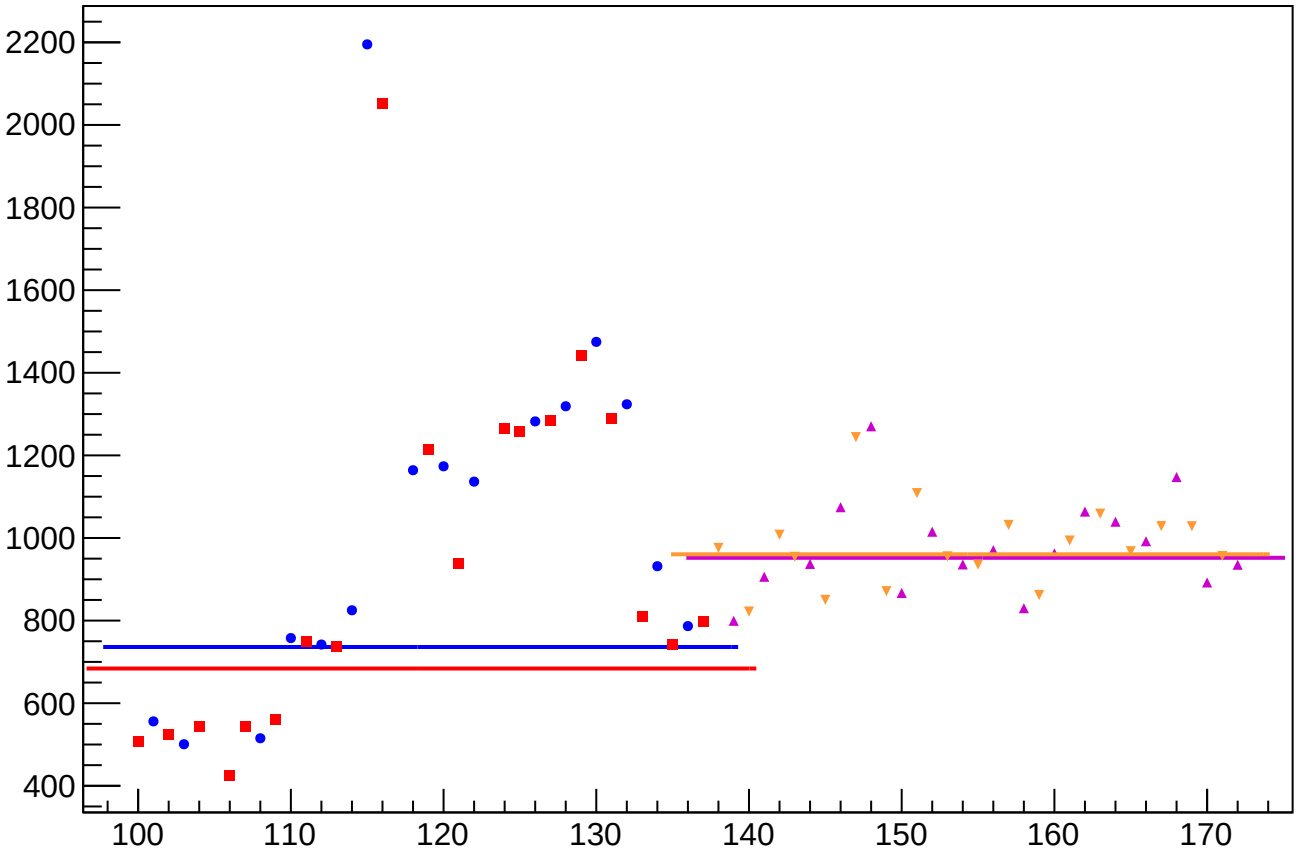
Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 128.790+/-0.020 χ^2/NDF:2685493.1/32

Out: 123.609+/-0.019 χ^2/NDF:3074906.4/36

All: 126.079+/-0.014 χ^2/NDF: 5794085.8/69


asym_sam5_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
Right In: 286.918+/-293.473 χ²/NDF: 9.7/15
Left Out: -440.160+/-256.717 χ²/NDF:14.6/17
Right Out: 555.436+/-269.953 χ²/NDF: 18.0/18
Left In: 21.517+/-256.756 χ²/NDF:31.2/16
Left: -209.357+/-181.540 χ²/NDF: 47.5/34
Right: 432.367+/-198.681 χ²/NDF: 28.2/34
In: 136.585+/-193.240 χ²/NDF:41.4/32
Out: 32.633+/-186.030 χ²/NDF:39.8/36
All: 82.634+/-134.019 χ²/NDF: 81.3/69



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 960.501+/-0.182 χ^2/NDF:269495.4/17

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: 956.273+/-0.128 χ^2/NDF: 610339.6/34

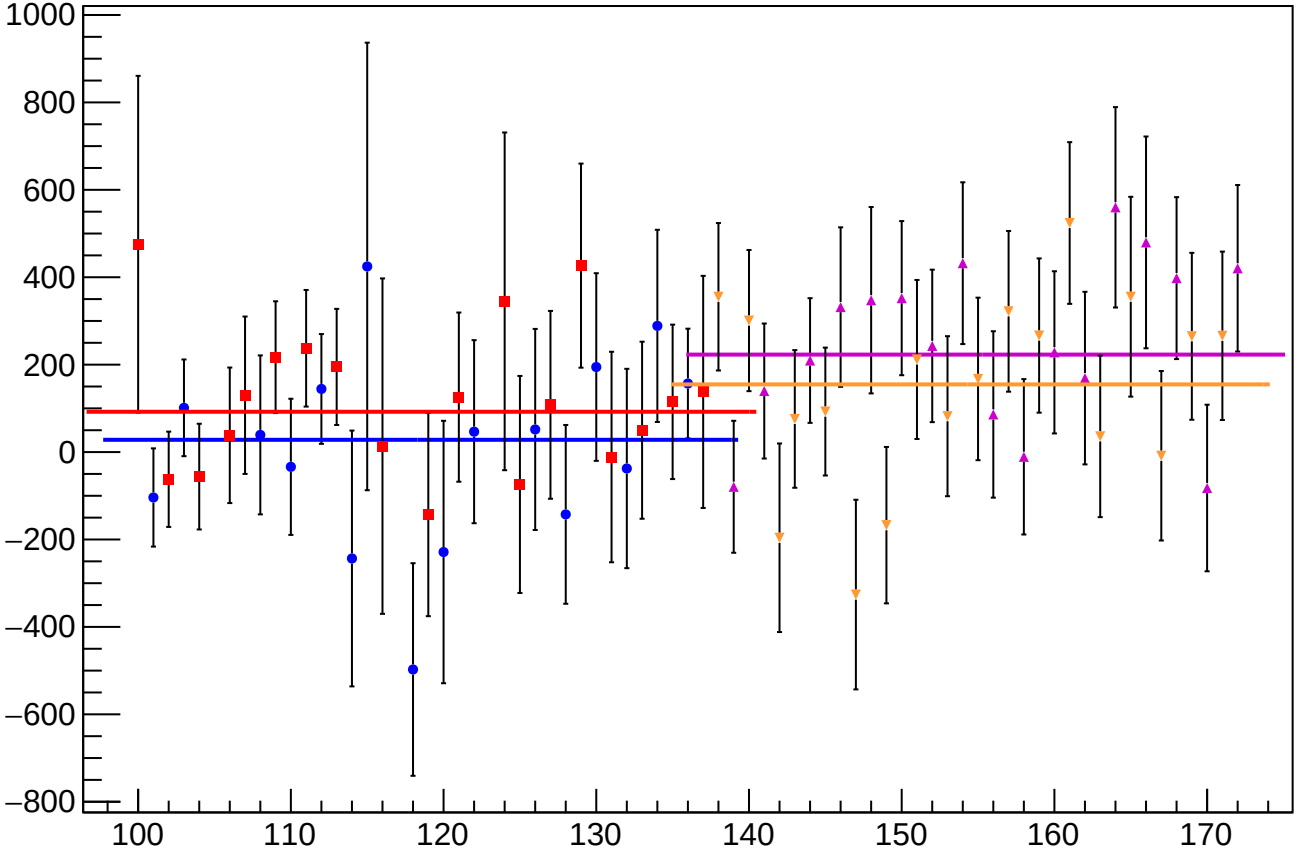
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 858.411+/-0.137 χ^2/NDF:2797724.2/32

Out: 829.186+/-0.132 χ^2/NDF:3221849.6/36

All: 843.243+/-0.095 χ^2/NDF: 6043315.8/69

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 154.851+/-42.881 χ^2/NDF:21.5/17

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: 188.023+/-30.724 χ^2/NDF: 39.7/34

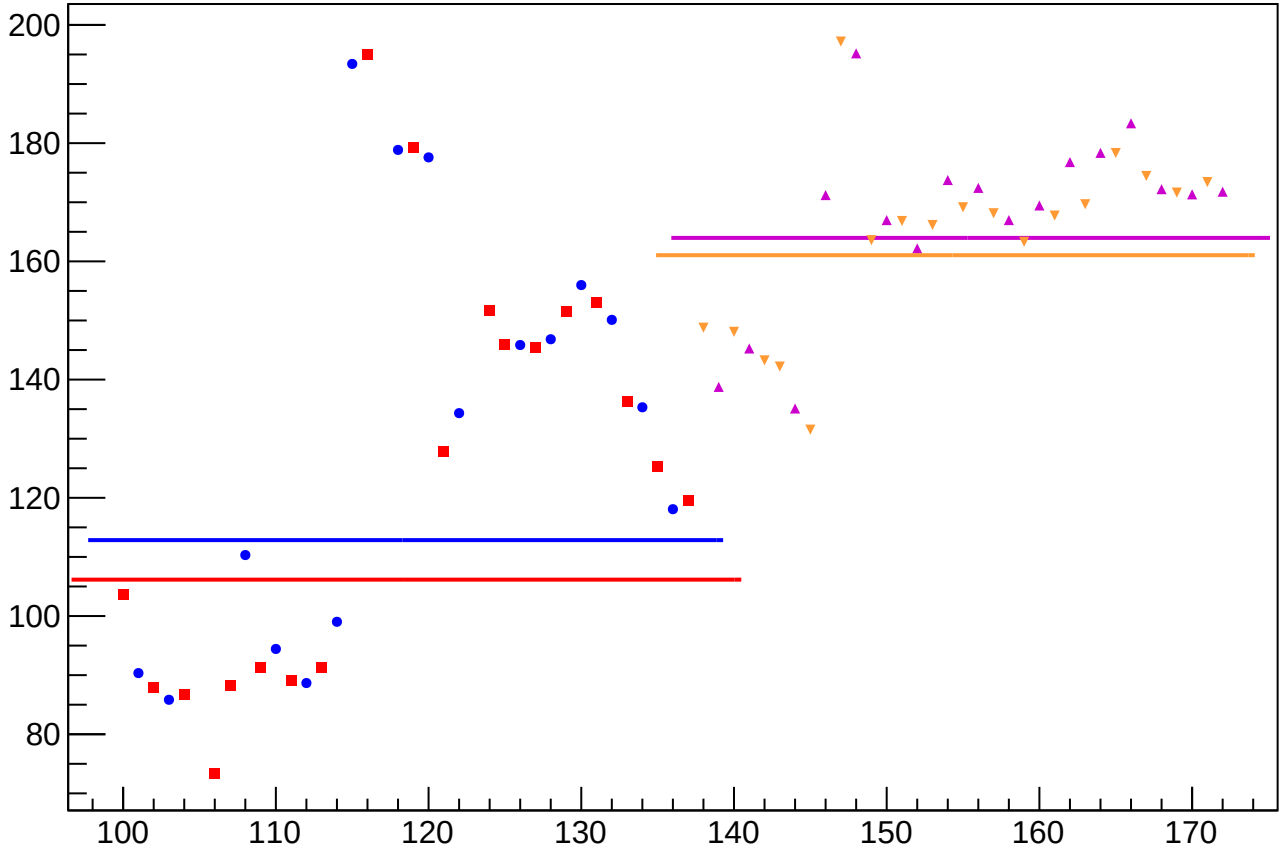
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 124.208+/-30.928 χ^2/NDF:40.5/32

Out: 121.792+/-29.459 χ^2/NDF:34.3/36

All: 122.942+/-21.331 χ^2/NDF: 74.8/69

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 161.046+/-0.030 χ^2/NDF:256078.6/17

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 163.973+/-0.031 χ^2/NDF:265132.4/16

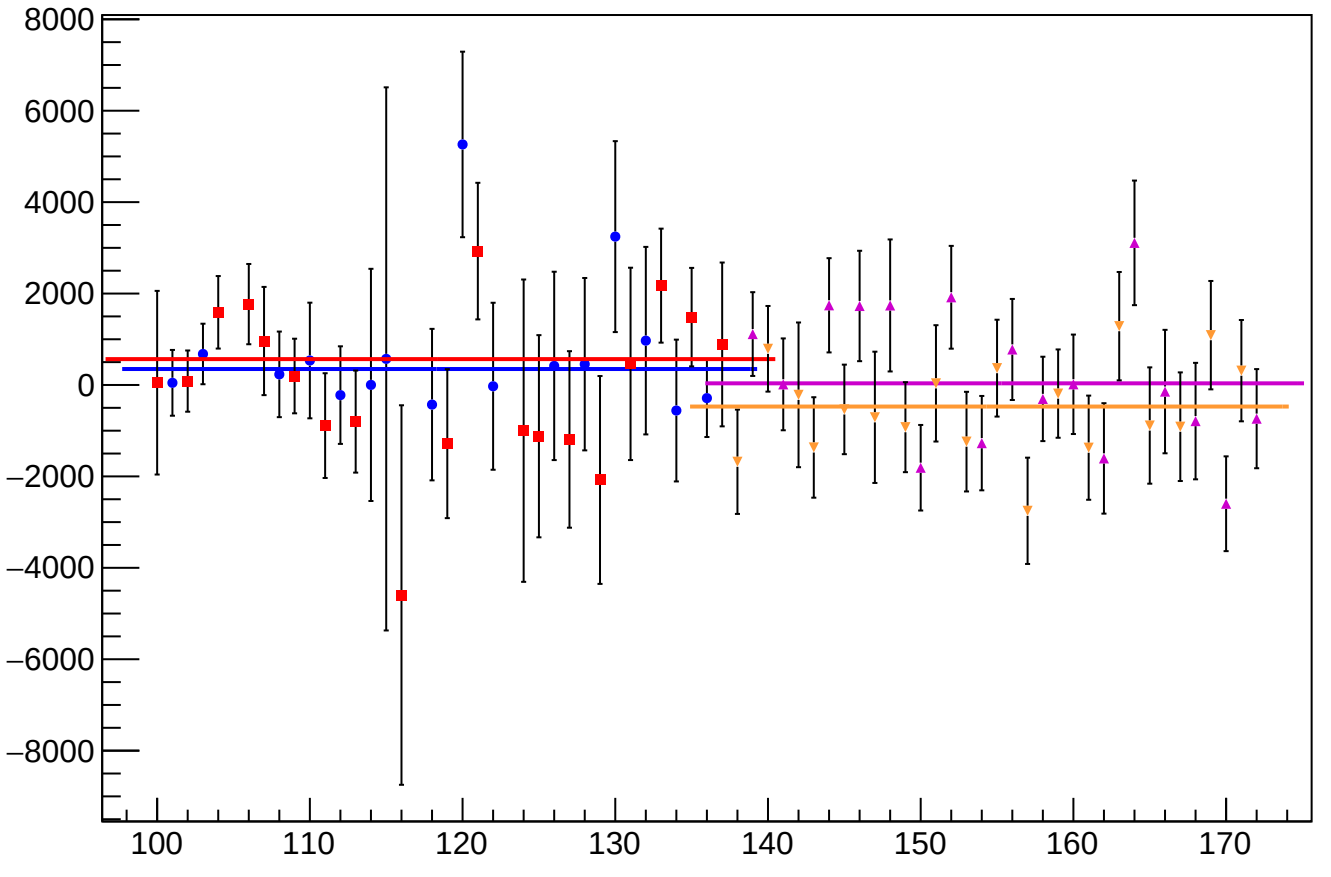
Left: 162.470+/-0.022 χ^2/NDF: 525744.9/34

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 138.054+/-0.022 χ^2/NDF:2503652.5/32

Out: 132.062+/-0.021 χ^2/NDF:2988523.2/36

All: 134.912+/-0.015 χ^2/NDF: 5531531.7/69



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -471.916+/-265.475 χ^2/NDF:14.4/17

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: -218.177+/-187.800 χ^2/NDF: 46.9/34

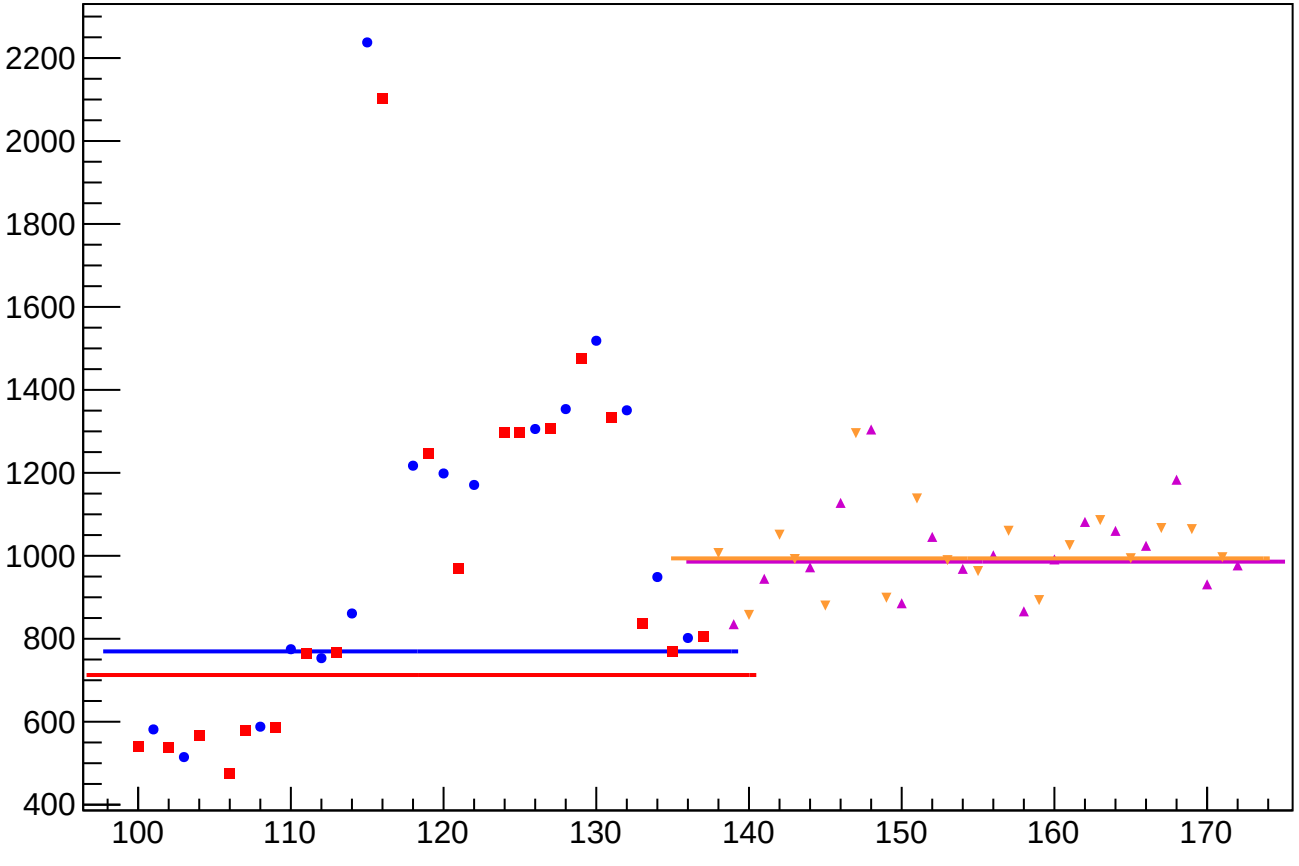
Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 170.932+/-200.436 χ^2/NDF:41.1/32

Out: 20.882+/-192.394 χ^2/NDF:40.0/36

All: 92.837+/-138.799 χ^2/NDF: 81.4/69

asym_sam5_dit_correction_rms vs Slug, Sign Corrected



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 993.812+/-0.188 χ^2/NDF:263185.6/17

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: 989.866+/-0.133 χ^2/NDF: 583957.4/34

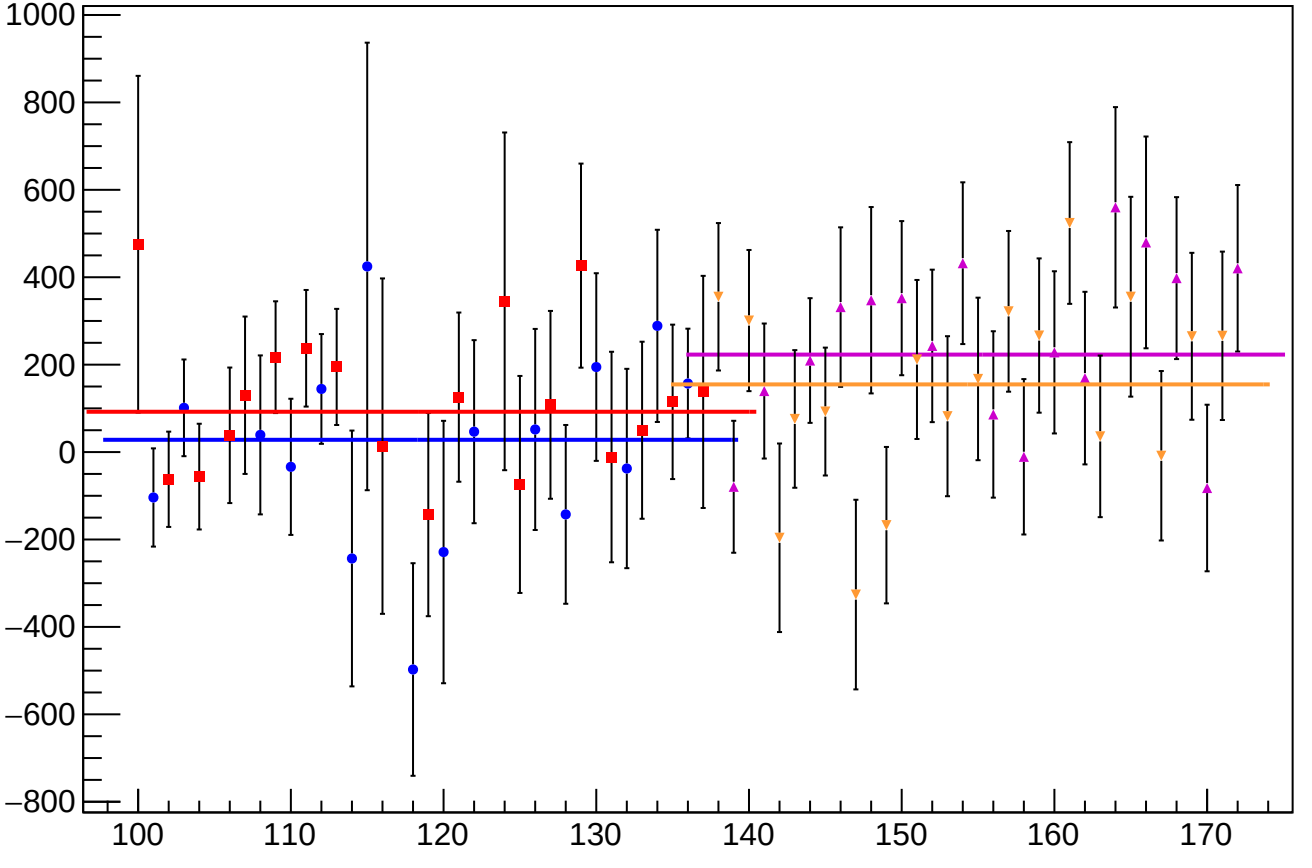
Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 892.677+/-0.142 χ^2/NDF:2631293.2/32

Out: 860.311+/-0.136 χ^2/NDF:3095680.7/36

All: 875.831+/-0.098 χ^2/NDF: 5754116.5/69

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 154.852+/-42.881 χ^2/NDF:21.5/17

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: 188.024+/-30.724 χ^2/NDF: 39.7/34

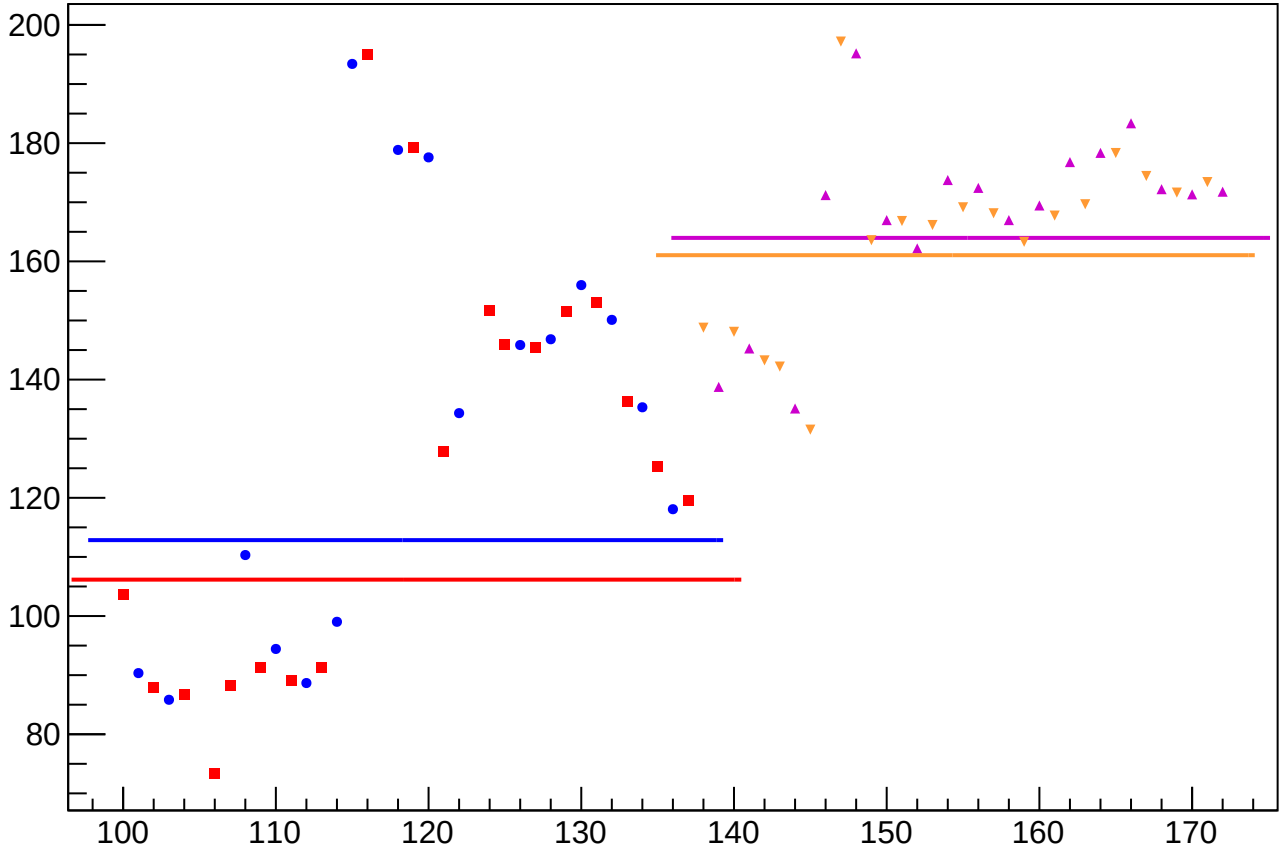
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 124.208+/-30.928 χ^2/NDF:40.5/32

Out: 121.793+/-29.459 χ^2/NDF:34.3/36

All: 122.942+/-21.331 χ^2/NDF: 74.8/69

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 161.046+/-0.030 χ^2/NDF:256078.3/17

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 163.973+/-0.031 χ^2/NDF:265126.9/16

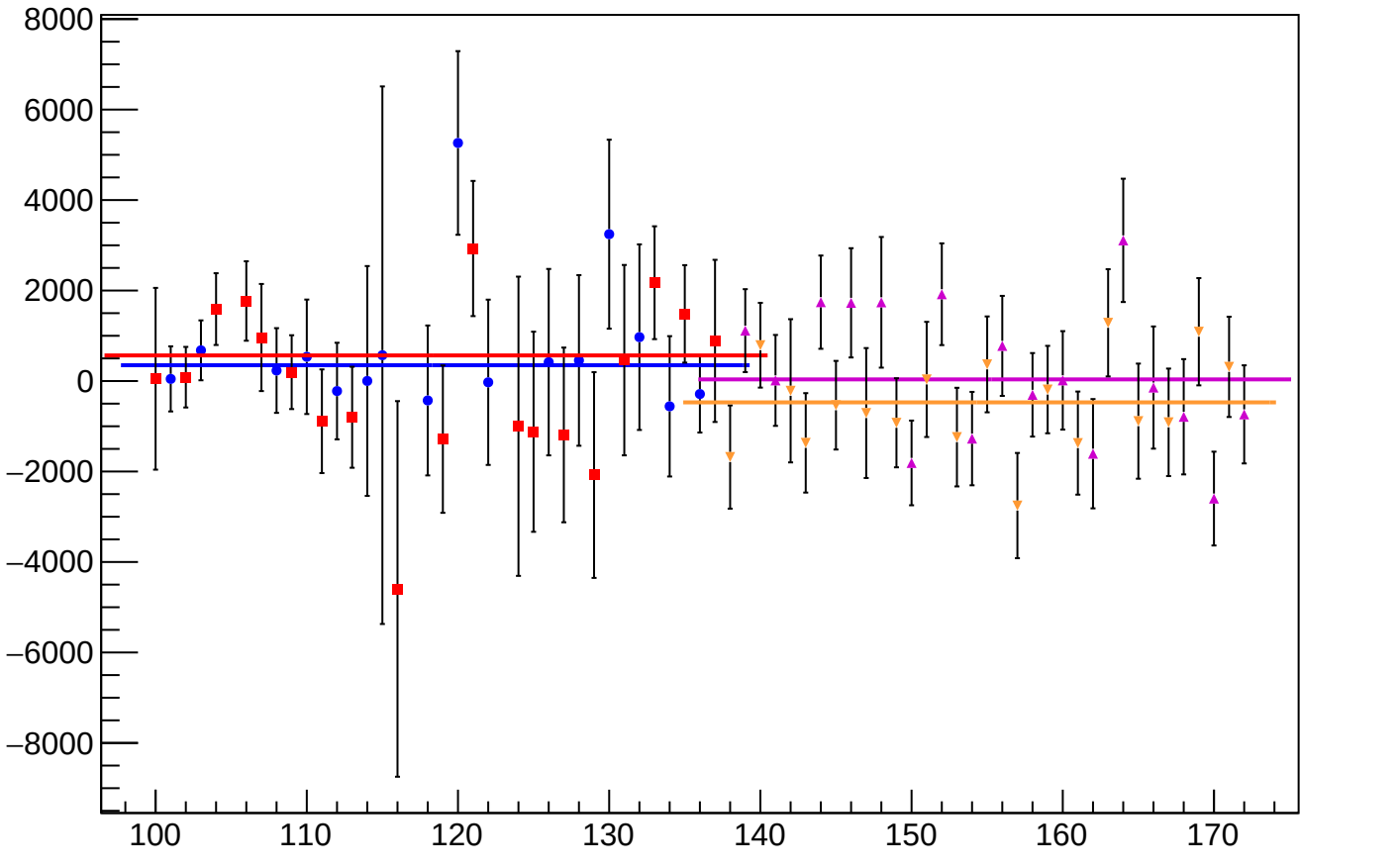
Left: 162.470+/-0.022 χ^2/NDF: 525739.4/34

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 138.054+/-0.022 χ^2/NDF:2503673.6/32

Out: 132.062+/-0.021 χ^2/NDF:2988536.6/36

All: 134.912+/-0.015 χ^2/NDF: 5531566.2/69



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -471.915+/-265.475 χ^2/NDF:14.4/17

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: -218.176+/-187.800 χ^2/NDF: 46.9/34

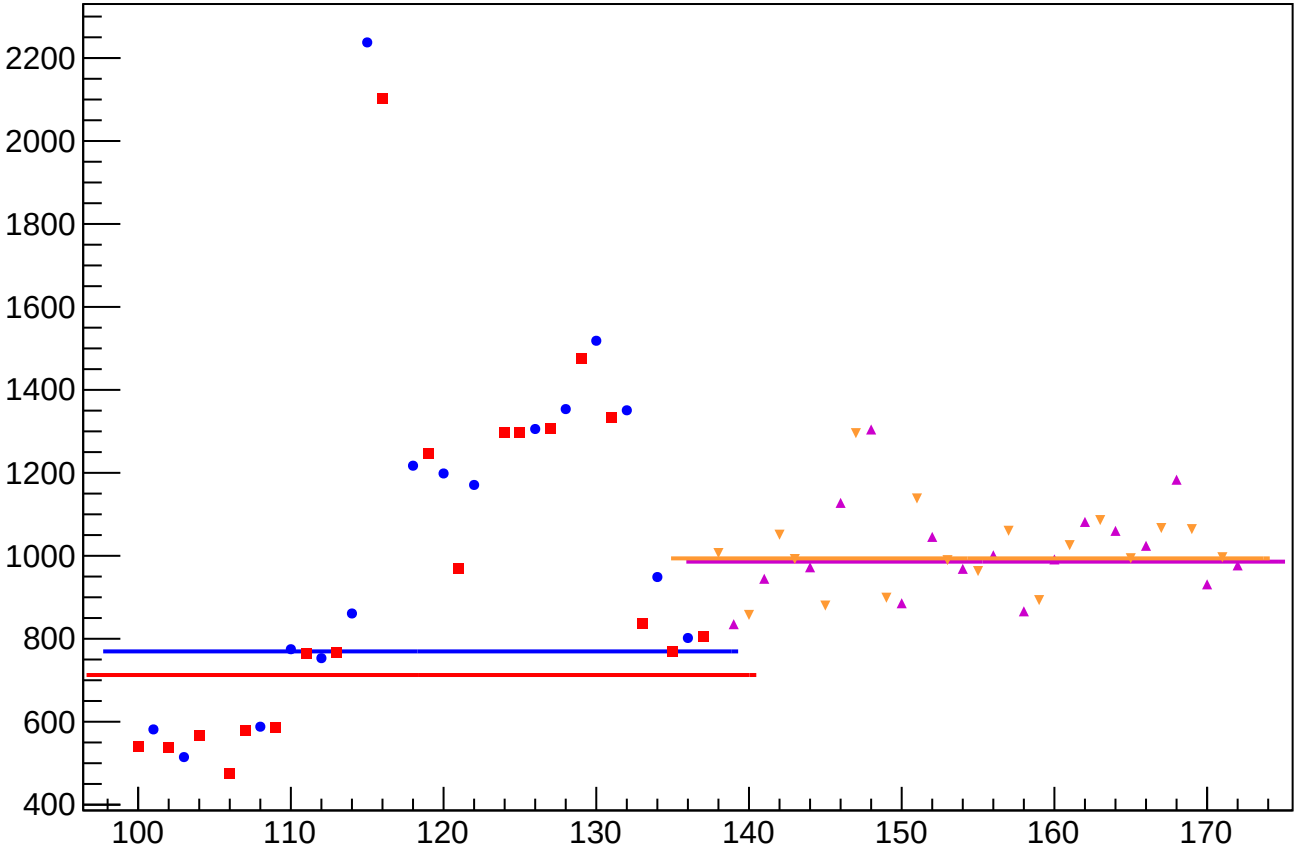
Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 170.933+/-200.436 χ^2/NDF:41.1/32

Out: 20.884+/-192.394 χ^2/NDF:40.0/36

All: 92.838+/-138.799 χ^2/NDF: 81.4/69

asym_sam5_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 993.813+/-0.188 χ^2/NDF:263185.6/17

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: 989.868+/-0.133 χ^2/NDF: 583956.2/34

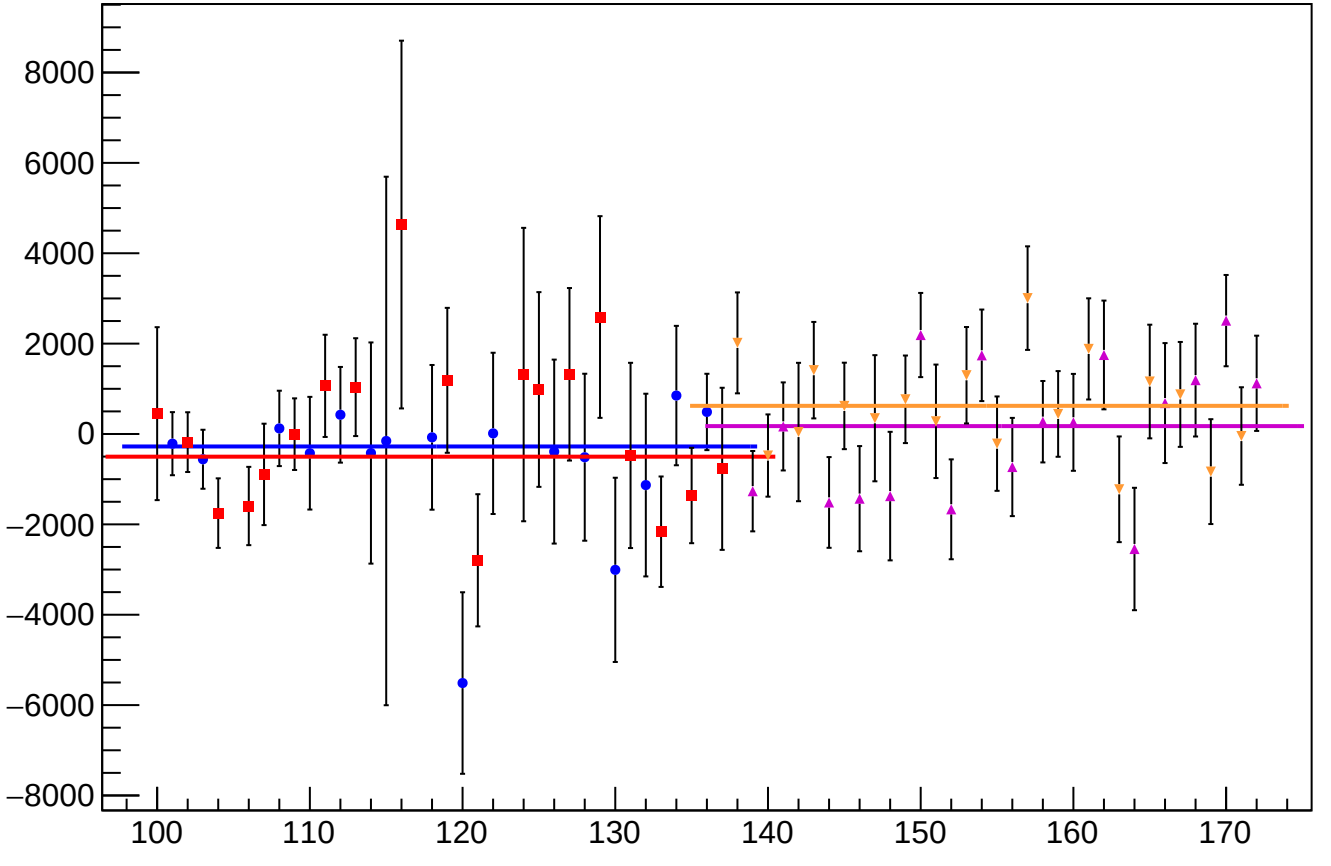
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 892.677+/-0.142 χ^2/NDF:2631302.9/32

Out: 860.310+/-0.136 χ^2/NDF:3095693.6/36

All: 875.831+/-0.098 χ^2/NDF: 5754139.4/69

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 623.085+/-260.018 χ^2/NDF:15.2/17

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: 398.990+/-183.956 χ^2/NDF: 48.5/34

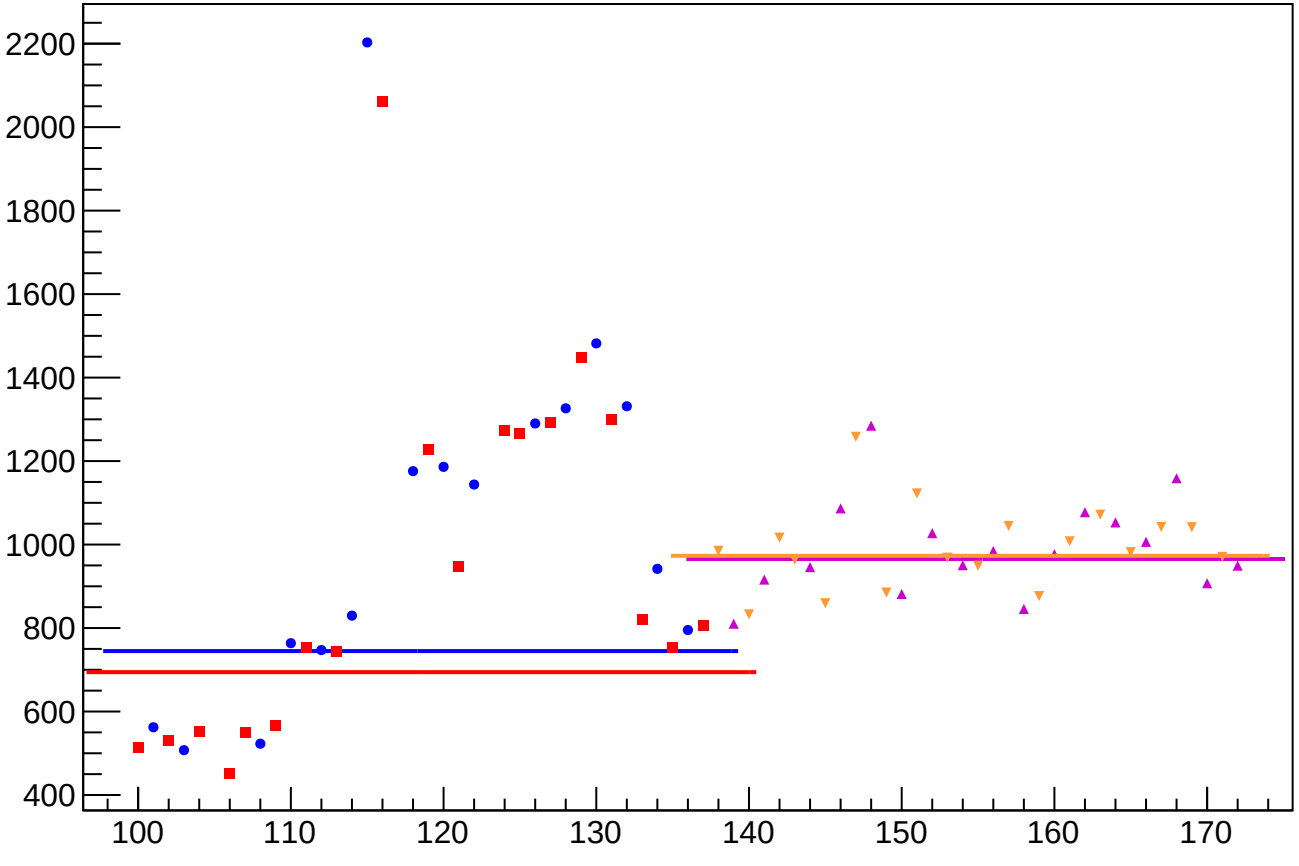
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -21.543+/-195.668 χ^2/NDF:44.2/32

Out: 87.916+/-188.280 χ^2/NDF:44.6/36

All: 35.292+/-135.671 χ^2/NDF: 88.9/69

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 973.082+/-0.184 χ^2/NDF:265843.8/17

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 965.424+/-0.184 χ^2/NDF:331003.1/16

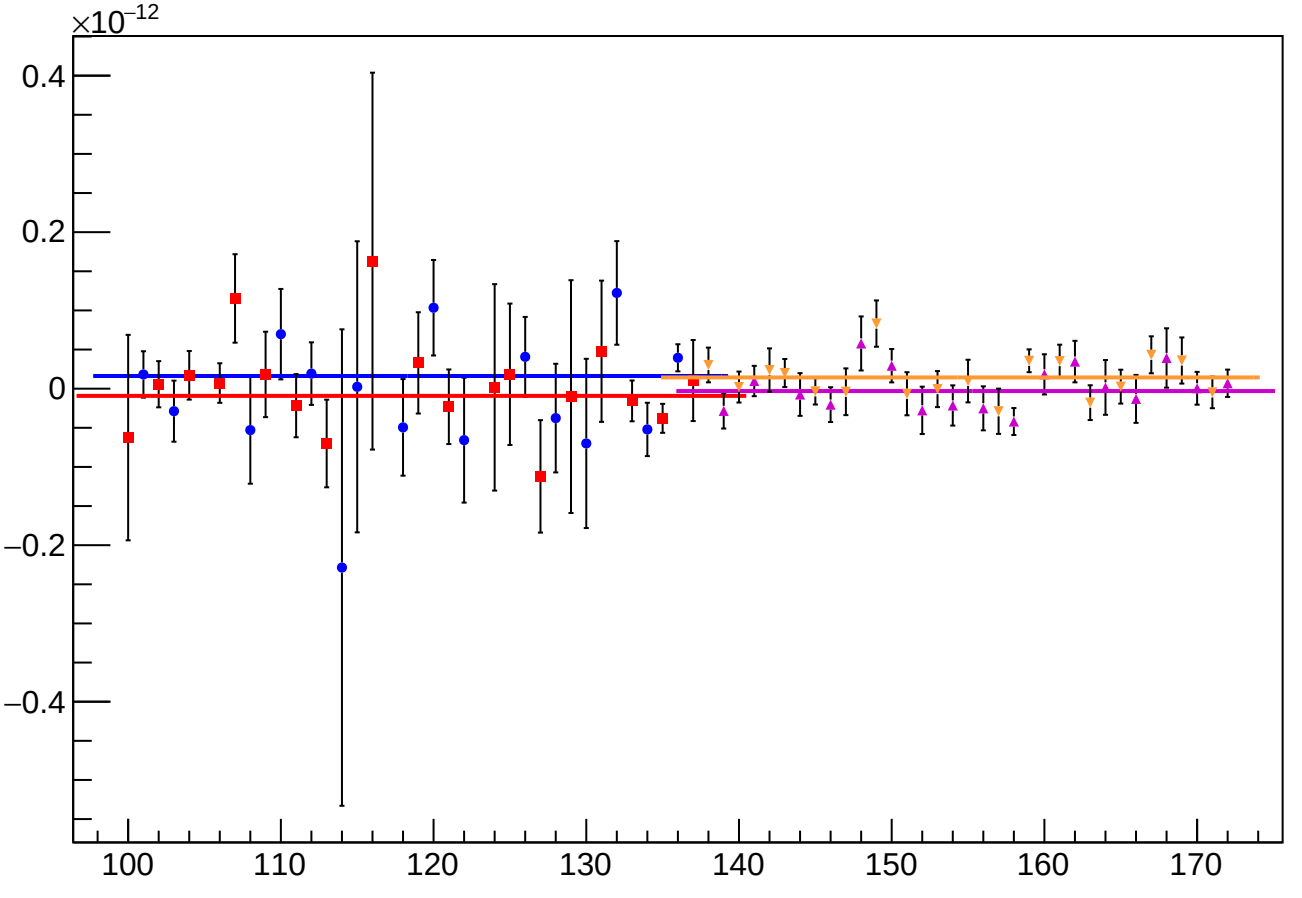
Left: 969.257+/-0.130 χ^2/NDF: 597713.3/34

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 869.470+/-0.138 χ^2/NDF:2778554.0/32

Out: 840.495+/-0.133 χ^2/NDF:3162818.1/36

All: 854.425+/-0.096 χ^2/NDF: 5964143.7/69



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/17

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:19.1/16

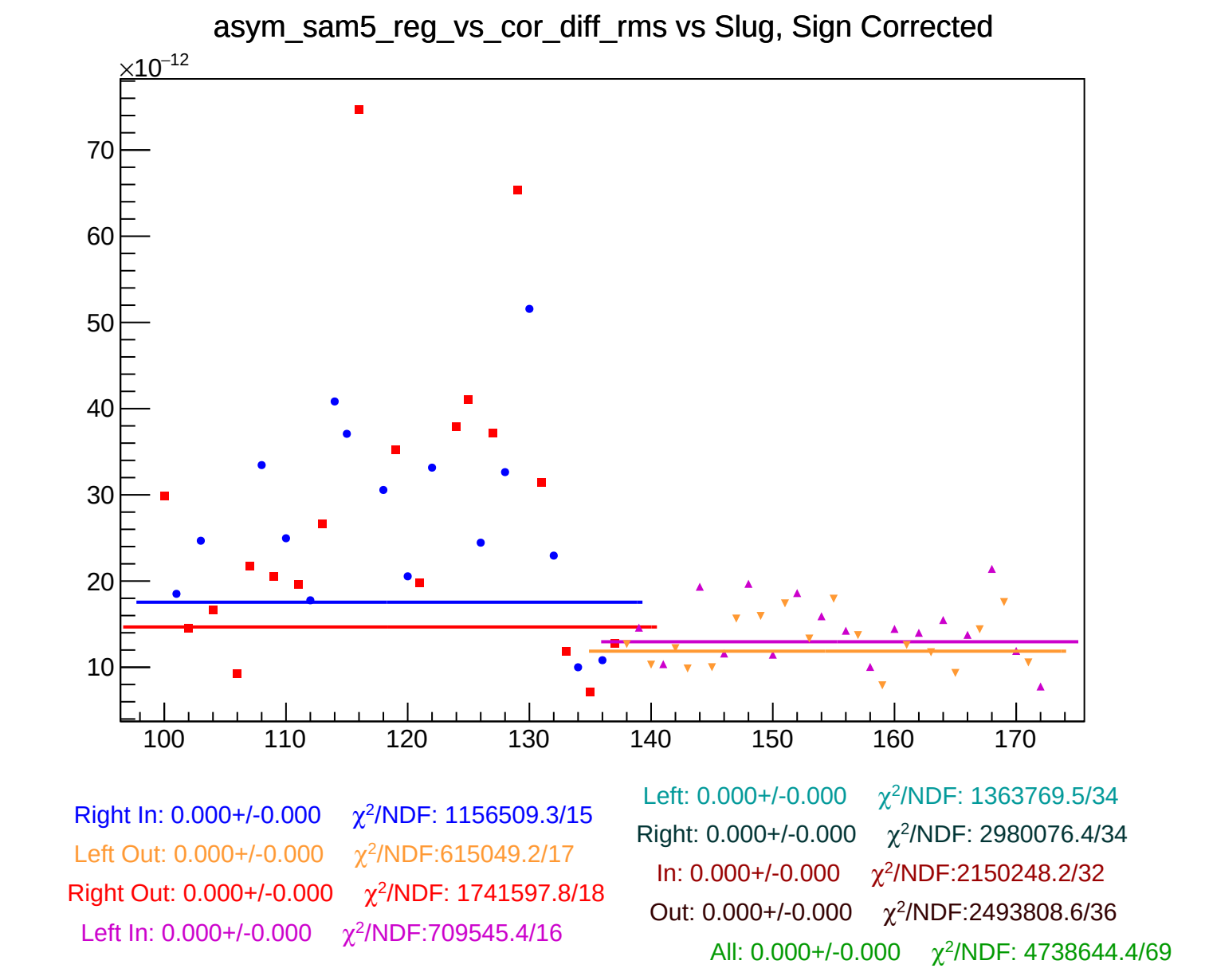
Left: 0.000+/-0.000 χ^2/NDF: 43.8/34

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:38.7/36

All: 0.000+/-0.000 χ^2/NDF: 79.4/69


asym_sam5_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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60
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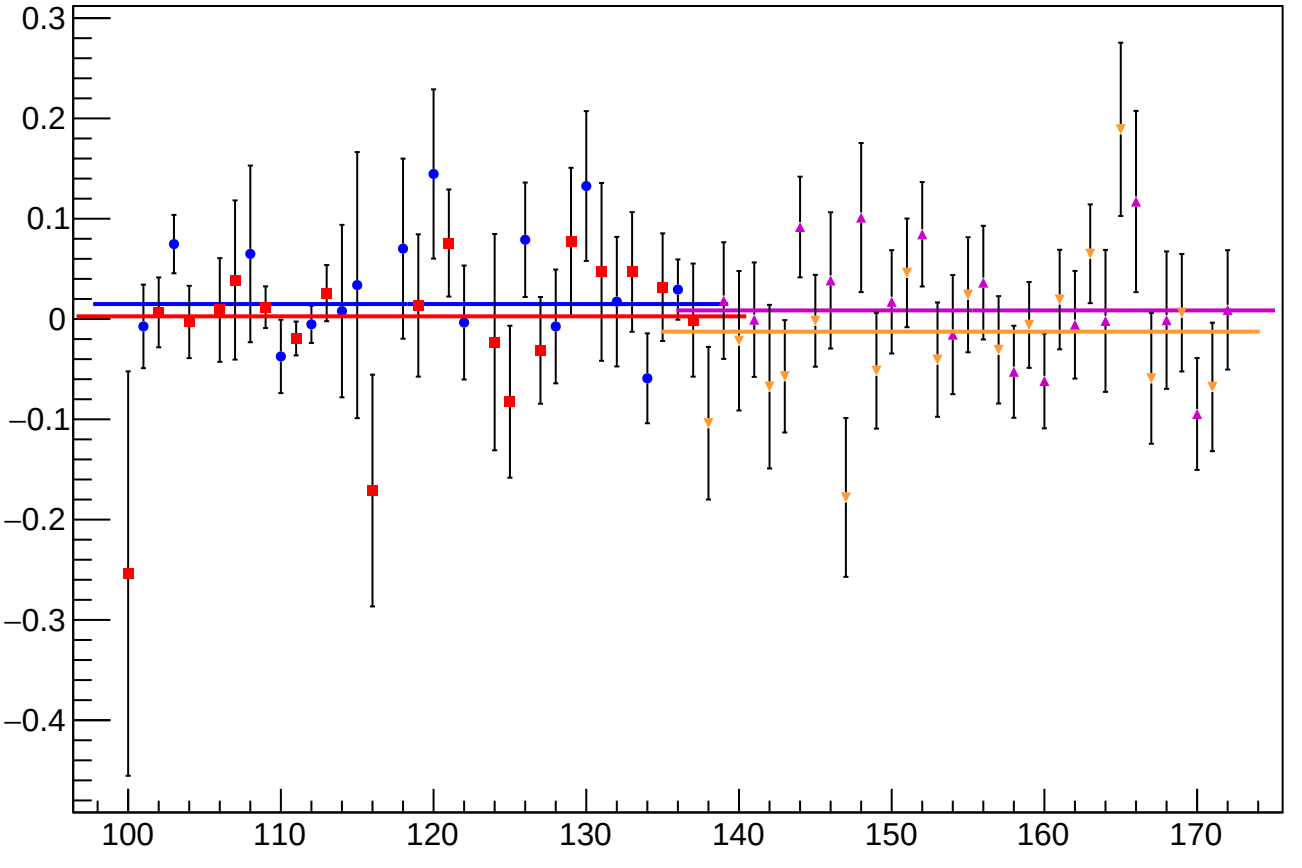
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:615049.2/17
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:709545.4/16
Left: 0.000+/-0.000 χ²/NDF: 1363769.5/34
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:2150248.2/32
Out: 0.000+/-0.000 χ²/NDF:2493808.6/36
All: 0.000+/-0.000 χ²/NDF: 4738644.4/69



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.013+/-0.014 χ^2/NDF:19.1/17

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.009+/-0.014 χ^2/NDF:16.1/16

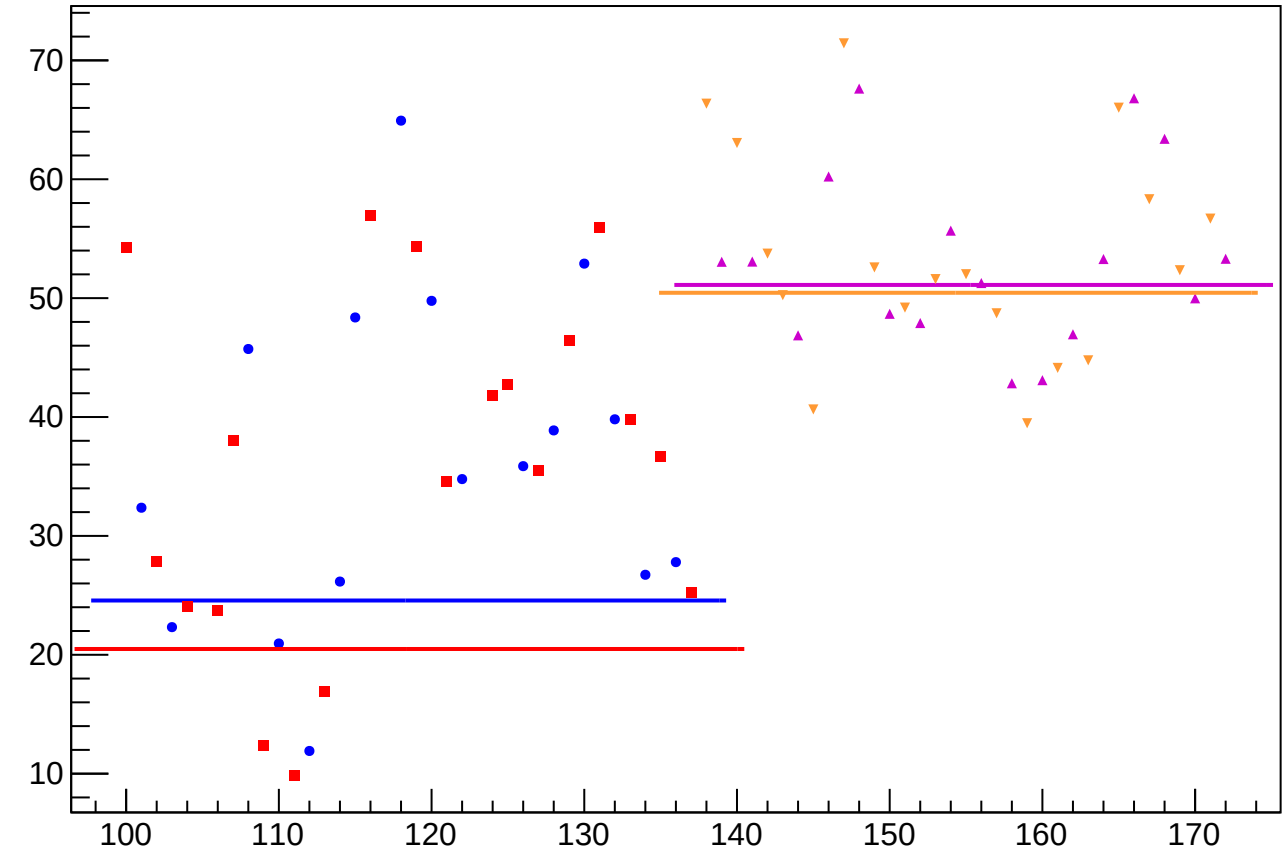
Left: -0.002+/-0.010 χ^2/NDF: 36.3/34

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.013+/-0.008 χ^2/NDF:34.0/32

Out: -0.002+/-0.008 χ^2/NDF:32.4/36

All: 0.005+/-0.006 χ^2/NDF: 68.0/69



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.451+/-0.010 χ^2/NDF:702575.9/17

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.111+/-0.010 χ^2/NDF:442060.9/16

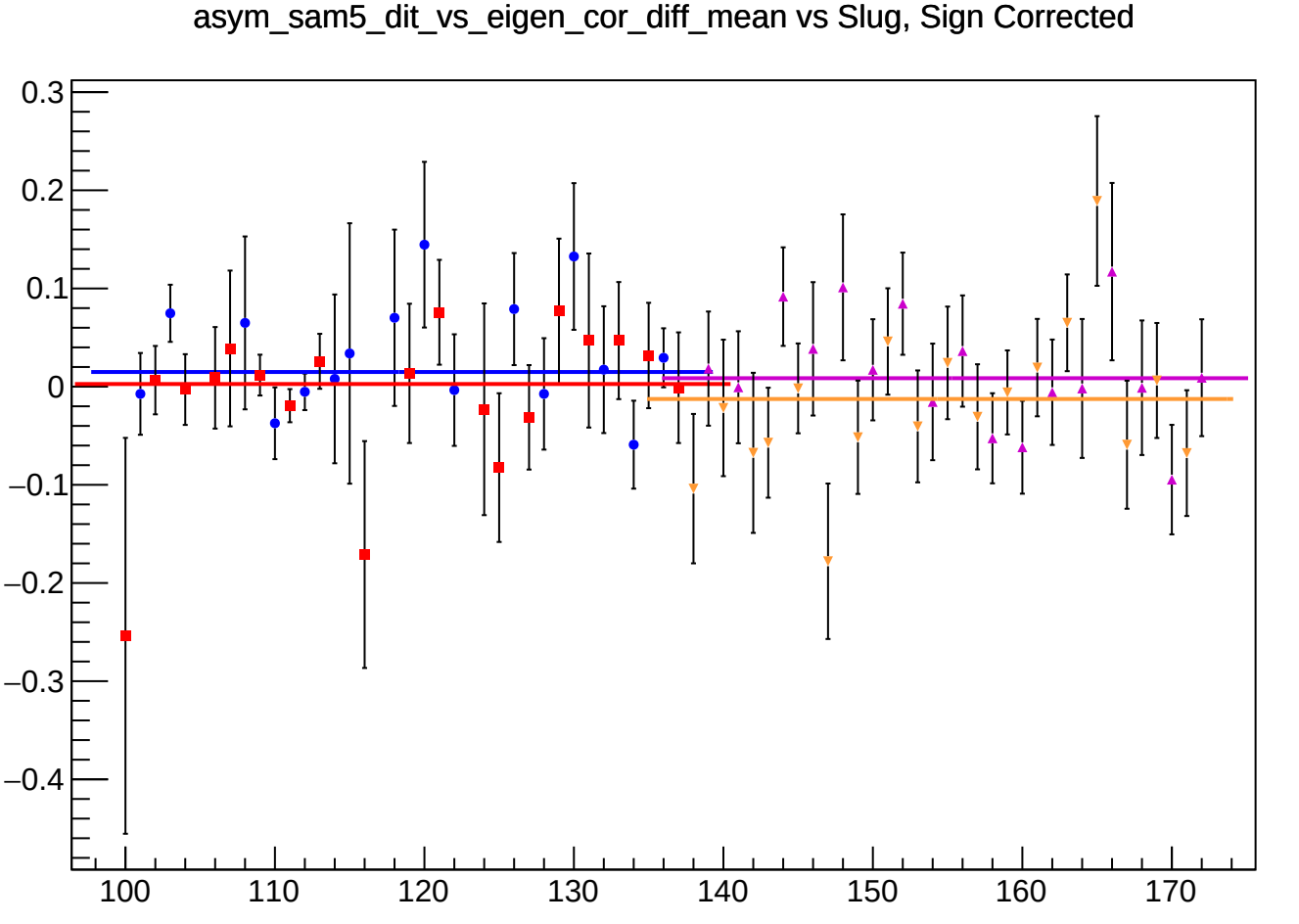
Left: 50.774+/-0.007 χ^2/NDF: 1146922.6/34

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 34.277+/-0.006 χ^2/NDF:7525906.3/32

Out: 29.870+/-0.005 χ^2/NDF:10891926.6/36

All: 31.859+/-0.004 χ^2/NDF: 18717597.5/69


asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
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−0.1
−0.2
−0.3
−0.4
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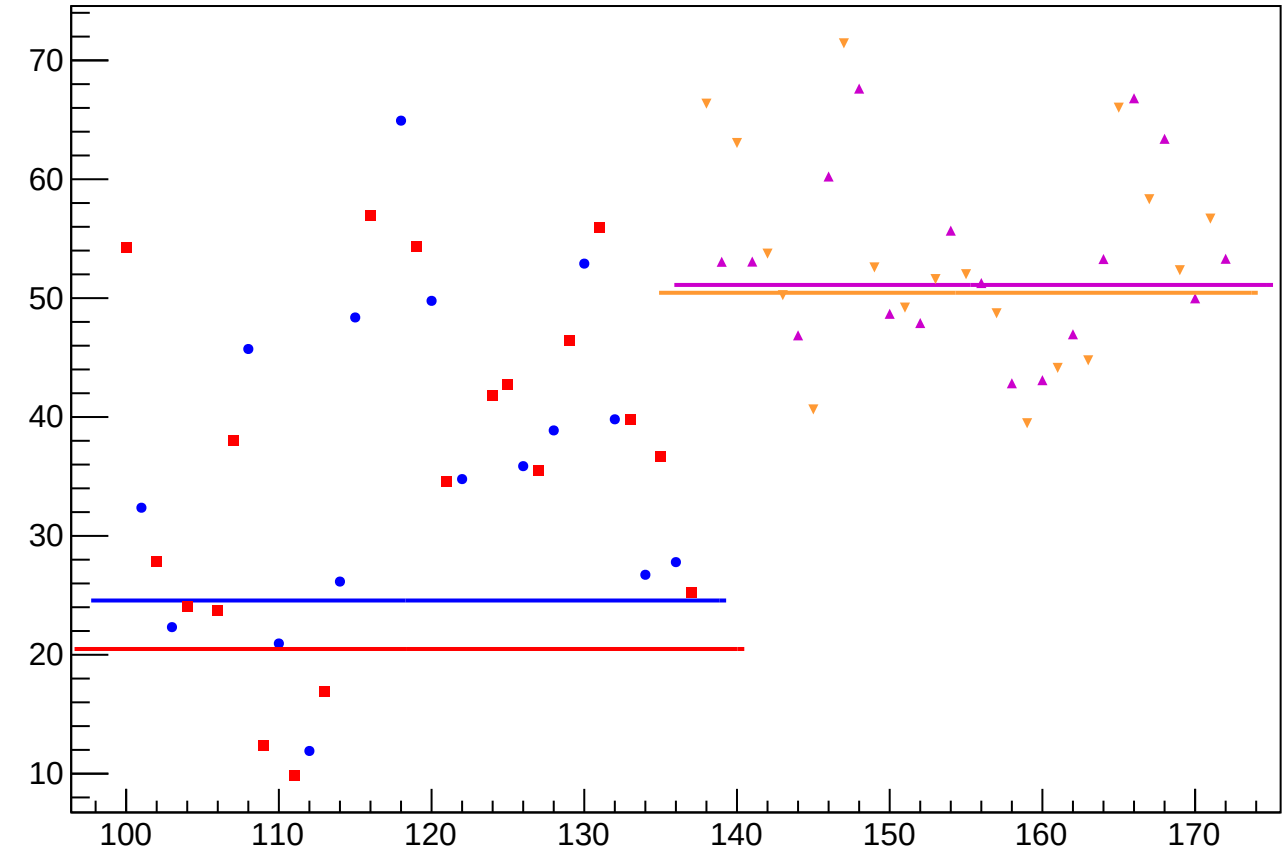
110
120
130
140
150
160
170
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.013+/-0.014 χ²/NDF:19.1/17
Right Out: 0.003+/-0.009 χ²/NDF: 12.5/18
Left In: 0.009+/-0.014 χ²/NDF:16.1/16
Left: -0.002+/-0.010 χ²/NDF: 36.3/34
Right: 0.008+/-0.007 χ²/NDF: 31.0/34
In: 0.013+/-0.008 χ²/NDF:34.0/32
Out: -0.002+/-0.008 χ²/NDF:32.4/36
All: 0.005+/-0.006 χ²/NDF: 68.0/69



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.451+/-0.010 χ^2/NDF:702575.9/17

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.111+/-0.010 χ^2/NDF:442060.9/16

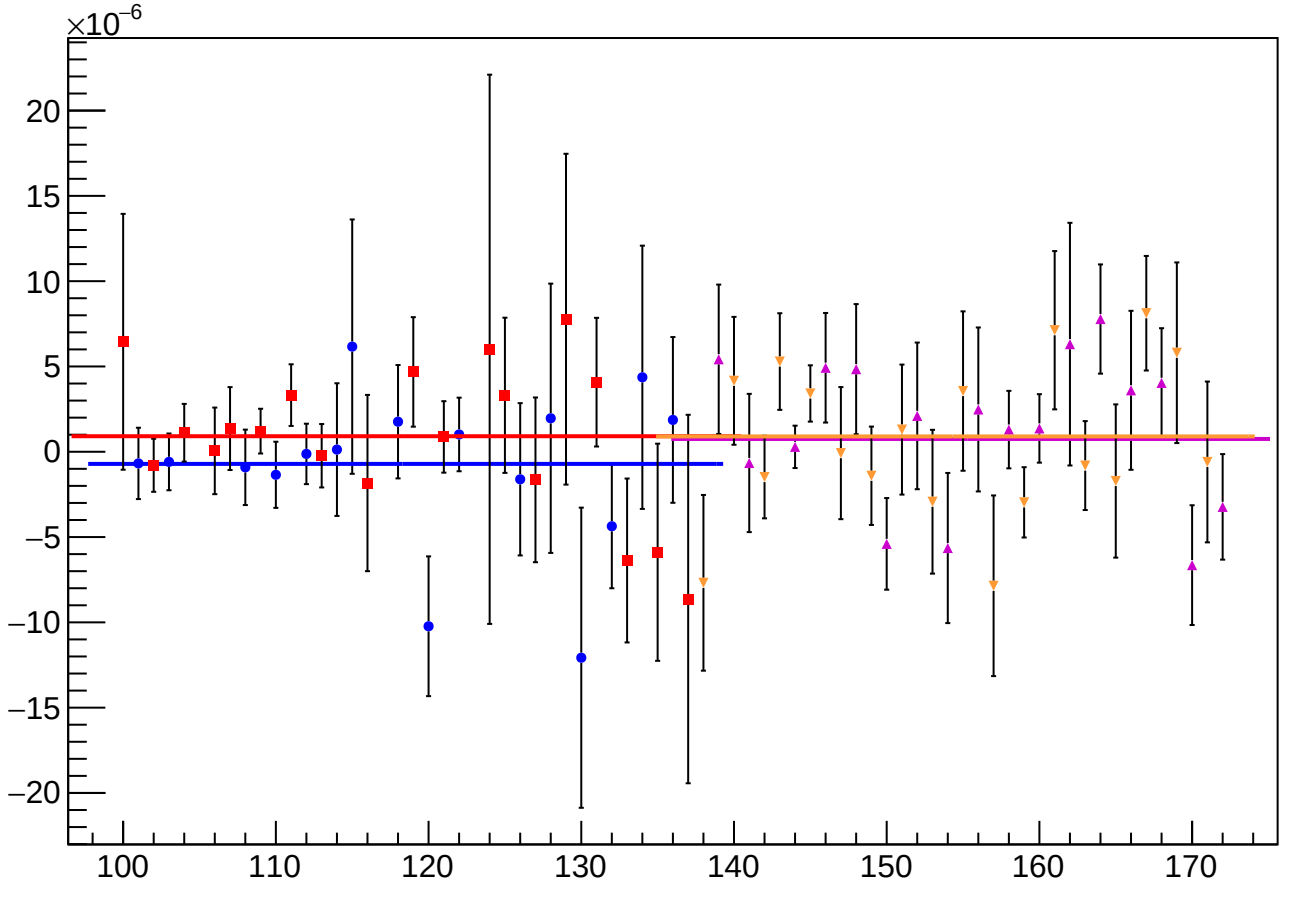
Left: 50.774+/-0.007 χ^2/NDF: 1146922.6/34

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 34.277+/-0.006 χ^2/NDF:7525906.3/32

Out: 29.870+/-0.005 χ^2/NDF:10891926.6/36

All: 31.859+/-0.004 χ^2/NDF: 18717597.5/69



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:24.9/16

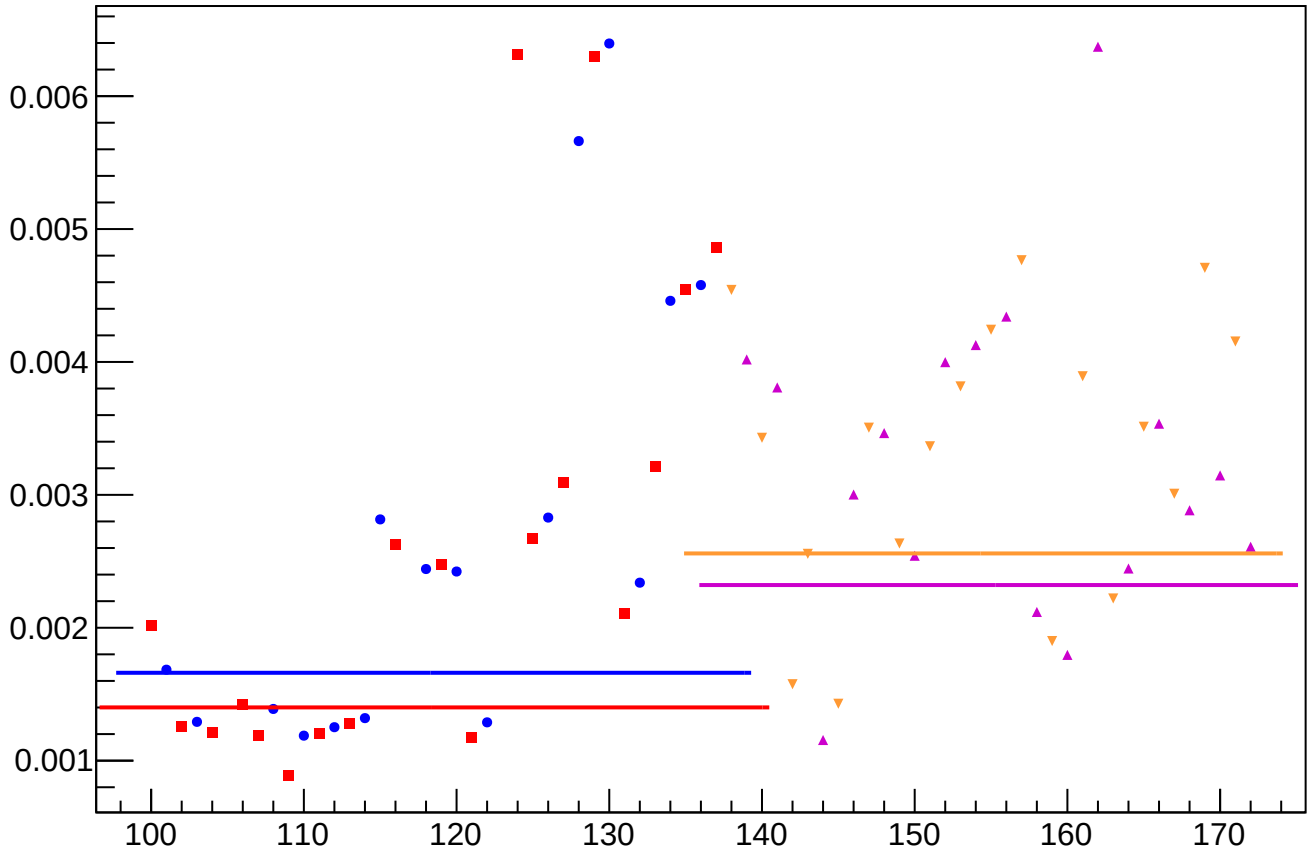
Left: 0.000+/-0.000 χ^2/NDF: 50.4/34

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:37.4/36

All: 0.000+/-0.000 χ^2/NDF: 77.5/69



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3756376.1/17

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:4741094.5/16

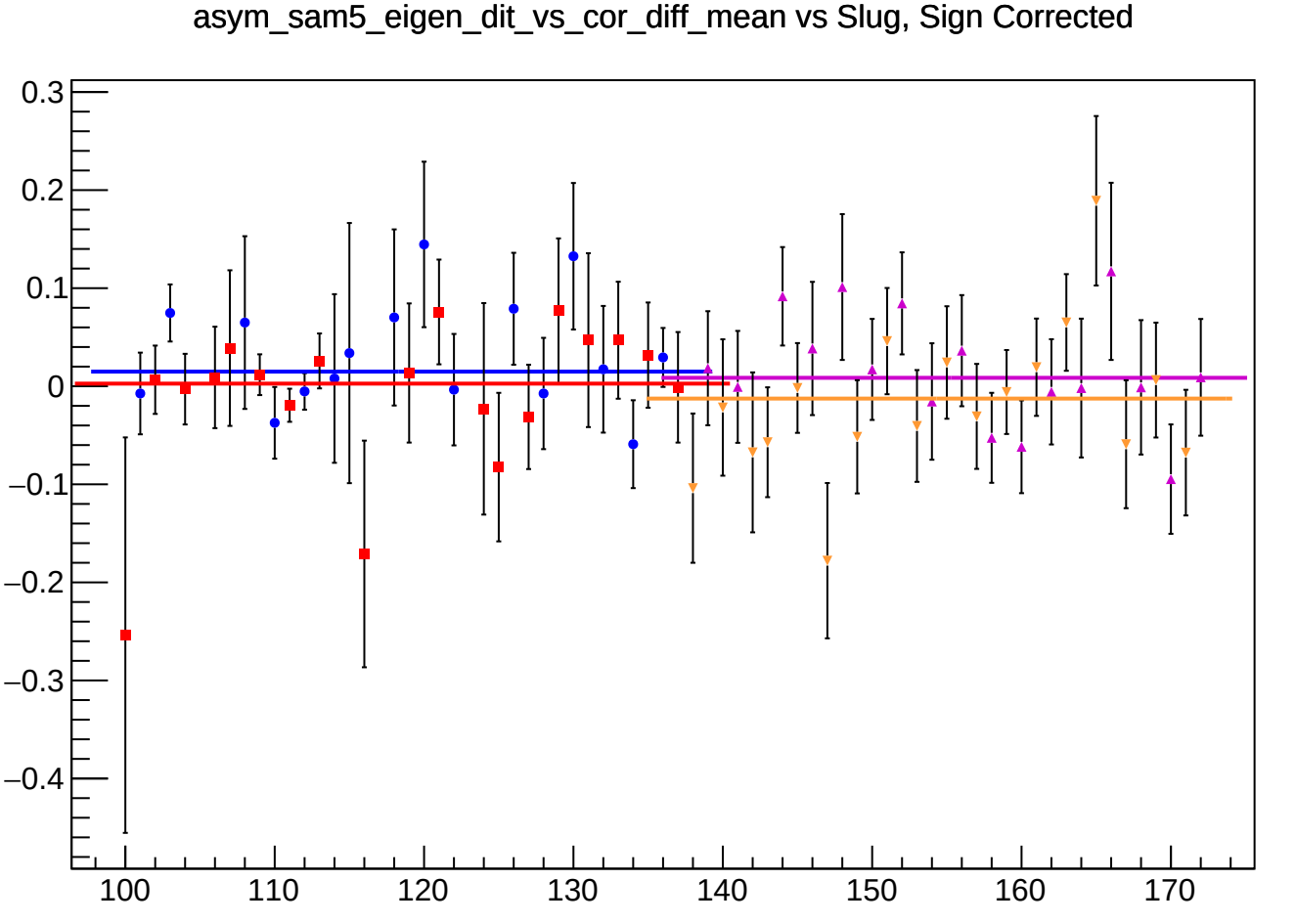
Left: 0.002+/-0.000 χ^2/NDF: 8607652.1/34

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:9665926.2/36

All: 0.002+/-0.000 χ^2/NDF: 18351096.8/69


asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
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−0.1
−0.2
−0.3
−0.4
100
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120
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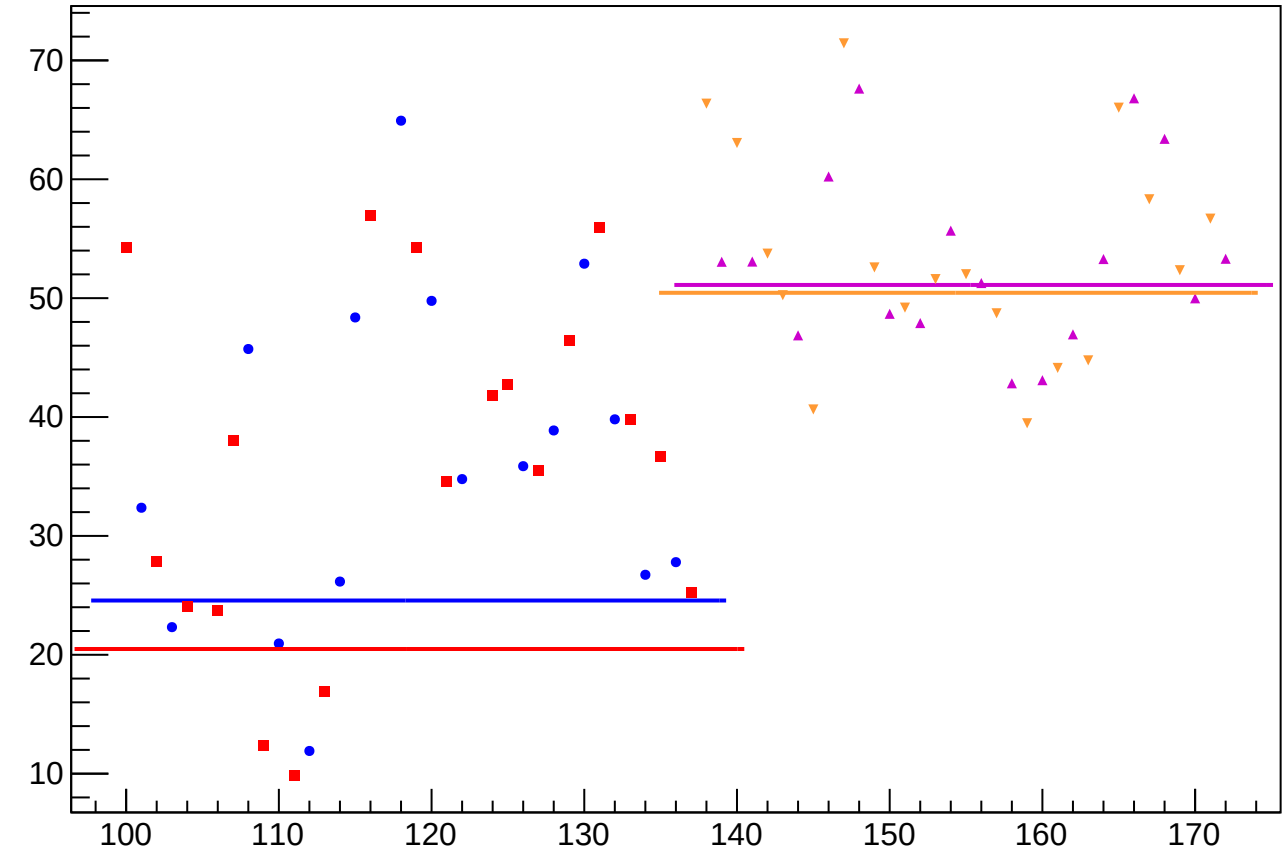
150
160
170
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.013+/-0.014 χ²/NDF:19.1/17
Right Out: 0.003+/-0.009 χ²/NDF: 12.5/18
Left In: 0.009+/-0.014 χ²/NDF:16.1/16
Left: -0.002+/-0.010 χ²/NDF: 36.3/34
Right: 0.008+/-0.007 χ²/NDF: 31.0/34
In: 0.013+/-0.008 χ²/NDF:34.0/32
Out: -0.002+/-0.008 χ²/NDF:32.4/36
All: 0.005+/-0.006 χ²/NDF: 68.0/69



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.451+/-0.010 χ^2/NDF:702702.4/17

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 51.111+/-0.010 χ^2/NDF:442159.9/16

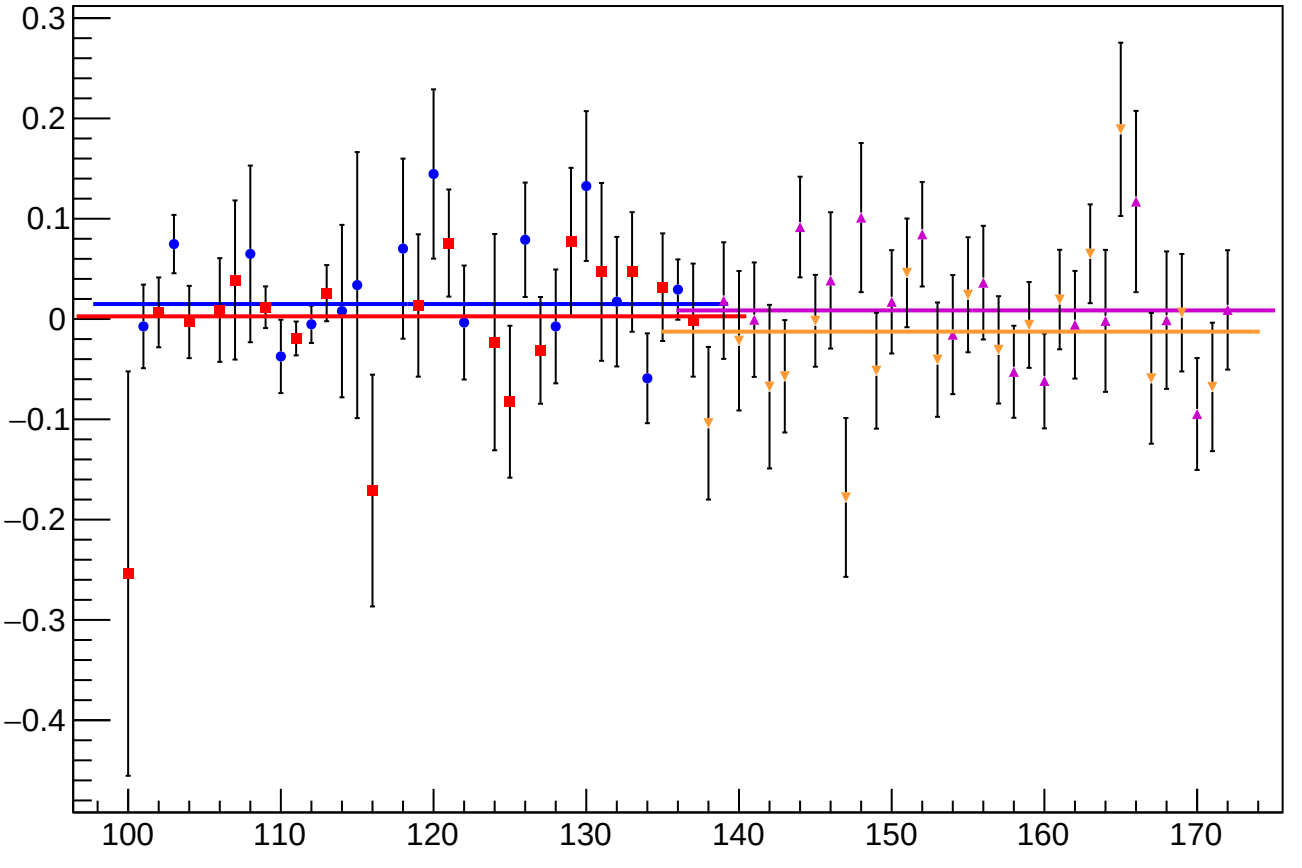
Left: 50.774+/-0.007 χ^2/NDF: 1147148.8/34

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 34.276+/-0.006 χ^2/NDF:7526180.3/32

Out: 29.870+/-0.005 χ^2/NDF:10892318.5/36

All: 31.858+/-0.004 χ^2/NDF: 18718282.7/69



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.013+/-0.014 χ^2/NDF:19.1/17

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: -0.002+/-0.010 χ^2/NDF: 36.3/34

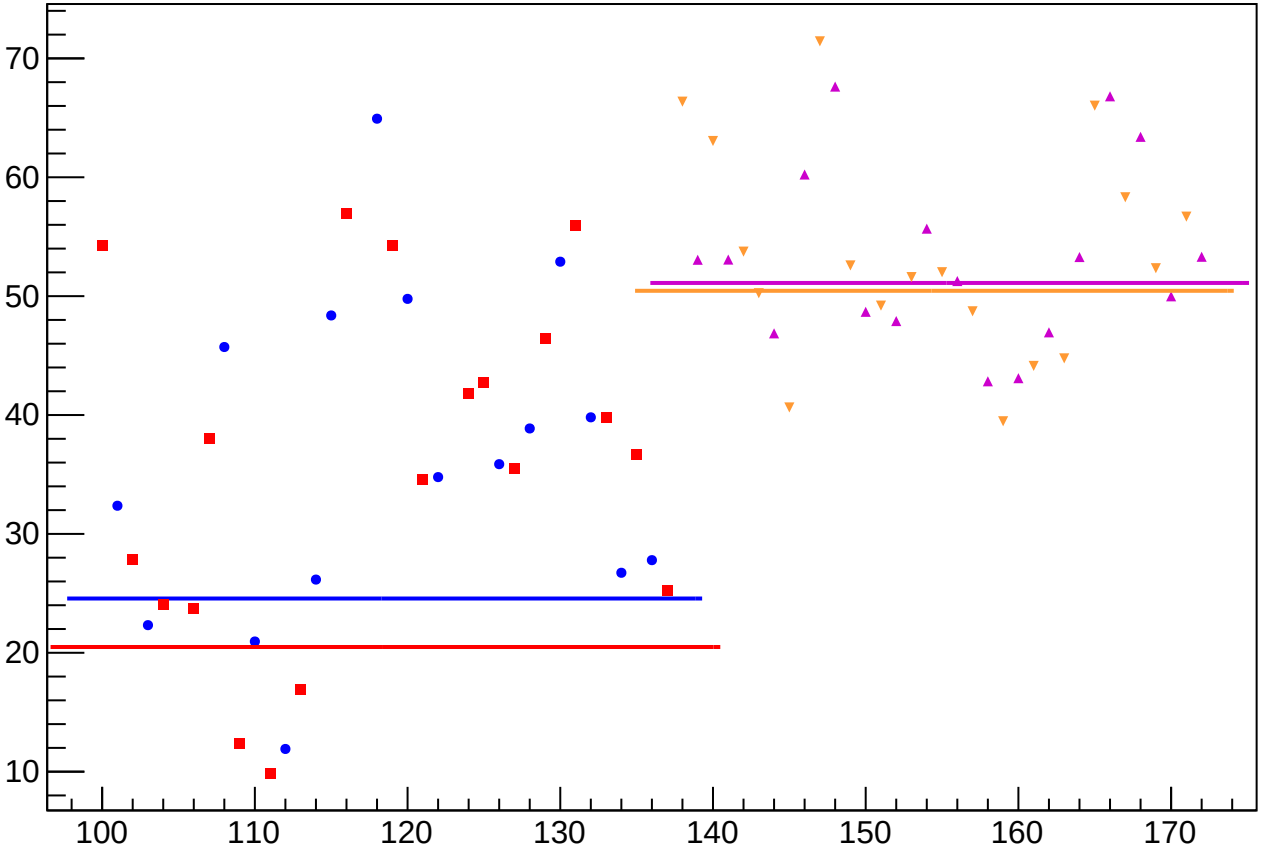
Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.013+/-0.008 χ^2/NDF:34.0/32

Out: -0.002+/-0.008 χ^2/NDF:32.4/36

All: 0.005+/-0.006 χ^2/NDF: 68.0/69

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: 50.451+/-0.010 χ^2/NDF:702702.4/17

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 51.111+/-0.010 χ^2/NDF:442159.9/16

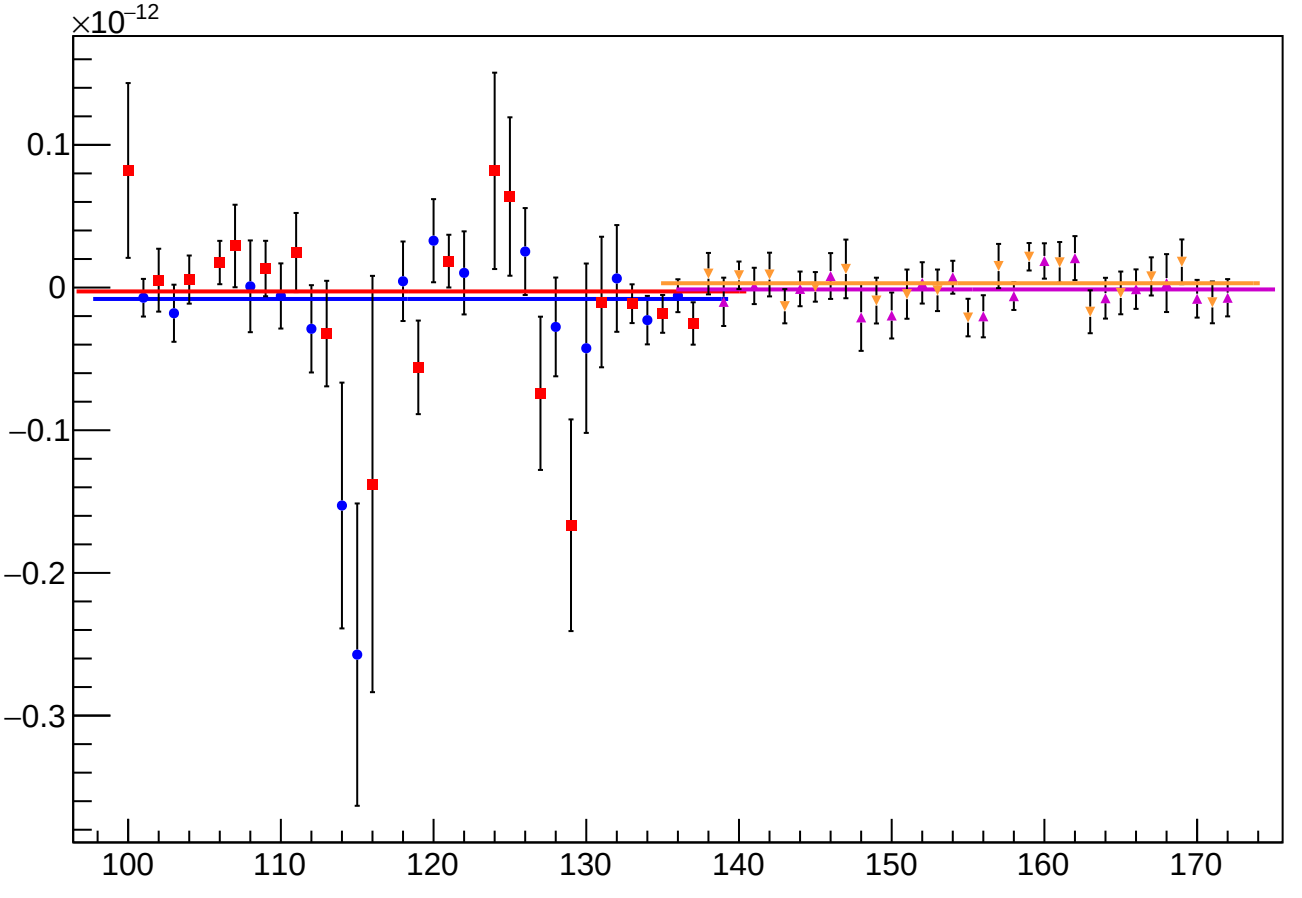
Left: 50.774+/-0.007 χ^2/NDF: 1147148.8/34

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 34.276+/-0.006 χ^2/NDF:7526180.3/32

Out: 29.870+/-0.005 χ^2/NDF:10892318.5/36

All: 31.858+/-0.004 χ^2/NDF: 18718282.7/69



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.3/17

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:10.4/16

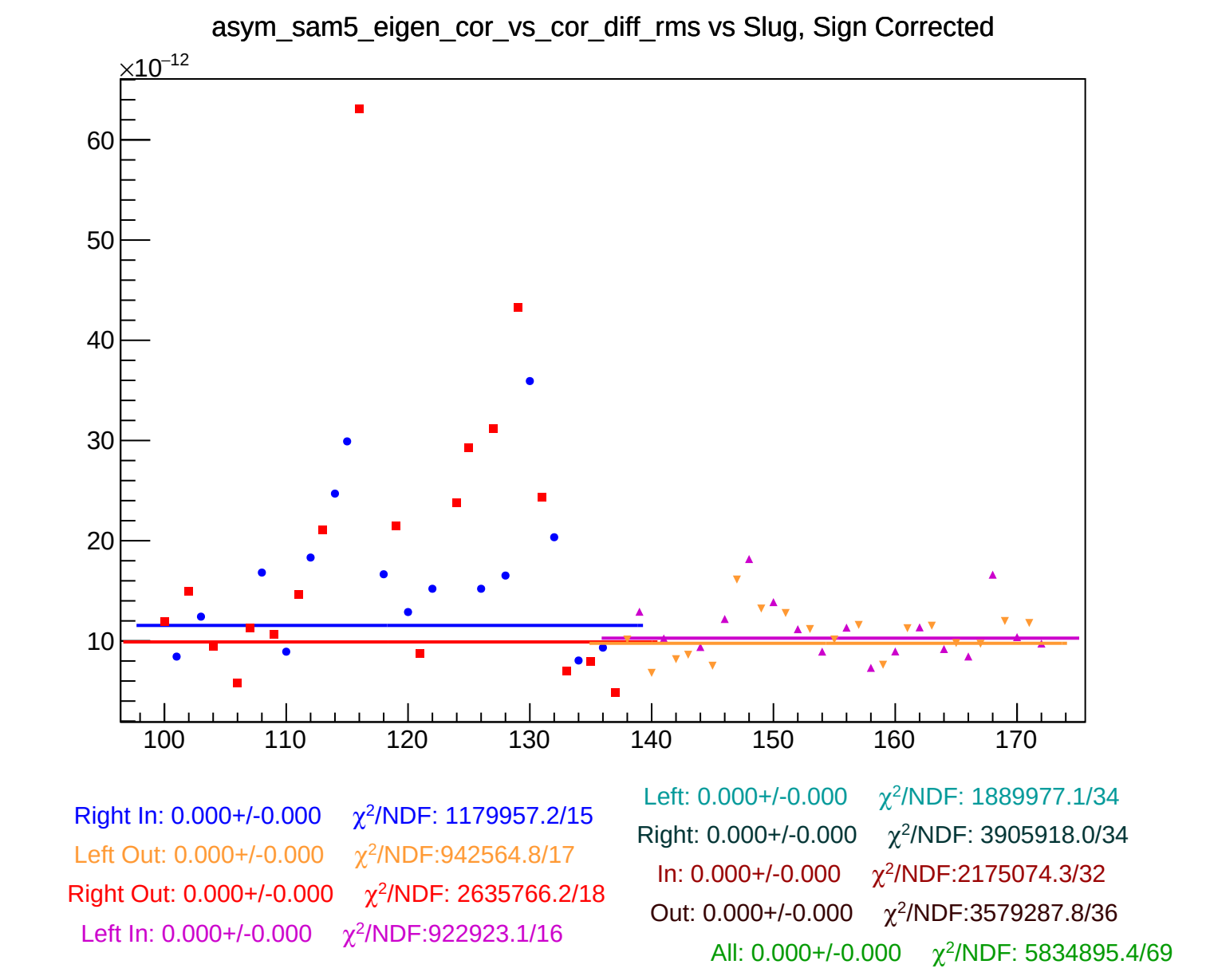
Left: 0.000+/-0.000 χ^2/NDF: 27.6/34

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:43.2/36

All: -0.000+/-0.000 χ^2/NDF: 70.4/69


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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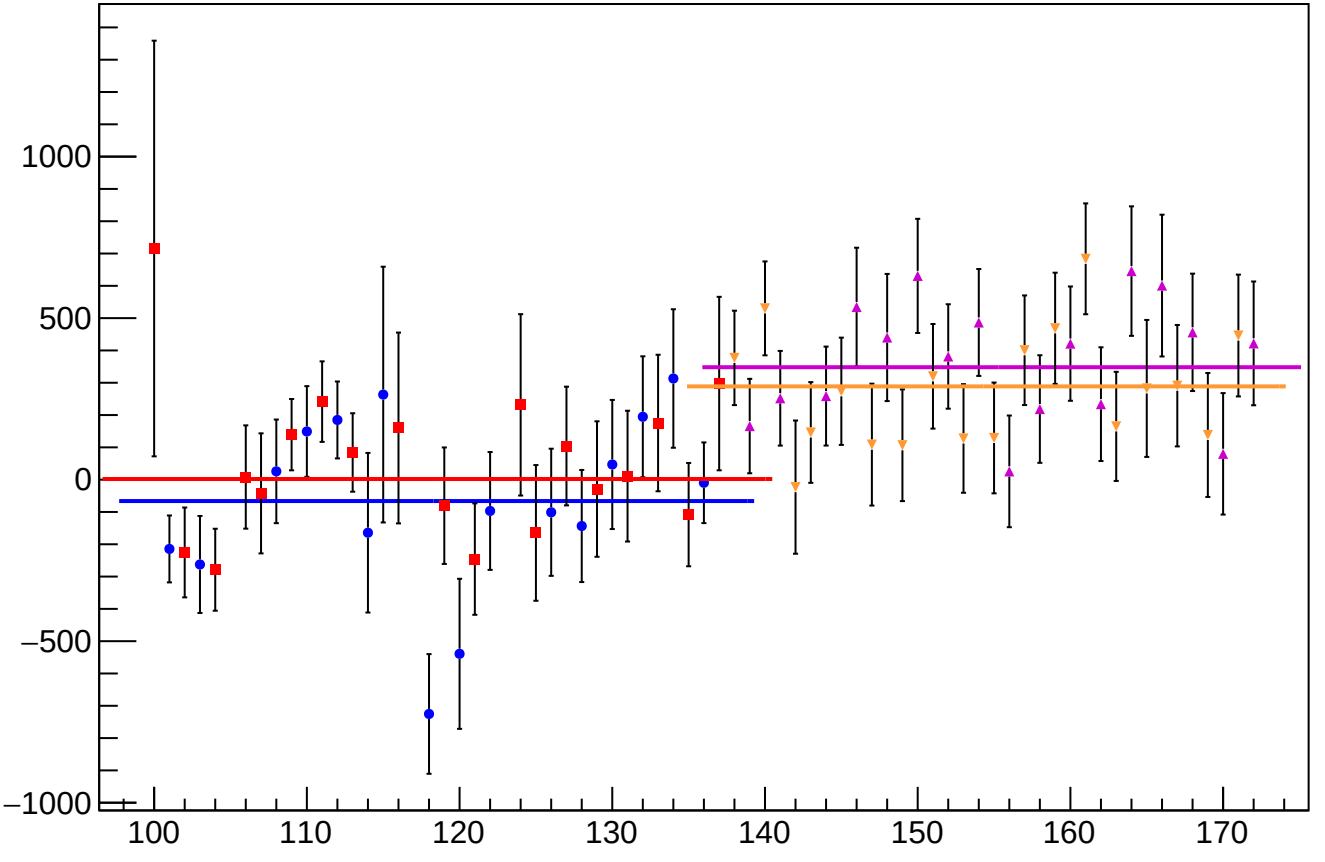
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:942564.8/17
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:922923.1/16
Left: 0.000+/-0.000 χ²/NDF: 1889977.1/34
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:2175074.3/32
Out: 0.000+/-0.000 χ²/NDF:3579287.8/36
All: 0.000+/-0.000 χ²/NDF: 5834895.4/69

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 288.731+/-40.571 χ^2/NDF:18.8/17

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: 317.296+/-29.222 χ^2/NDF: 37.4/34

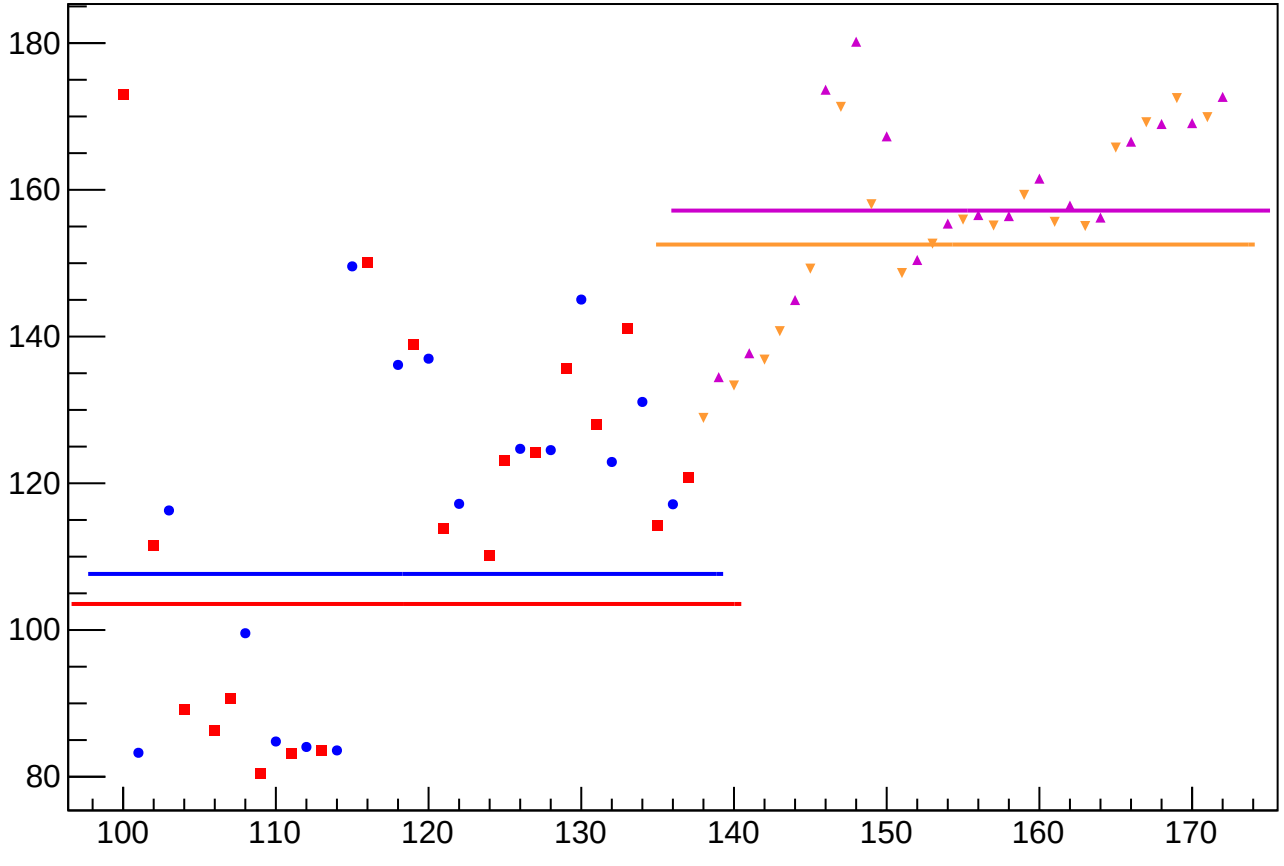
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 135.009+/-29.358 χ^2/NDF:101.8/32

Out: 139.226+/-28.066 χ^2/NDF:65.9/36

All: 137.212+/-20.287 χ^2/NDF: 167.7/69

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 152.543+/-0.029 χ^2/NDF:201573.3/17

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 157.171+/-0.030 χ^2/NDF:184440.3/16

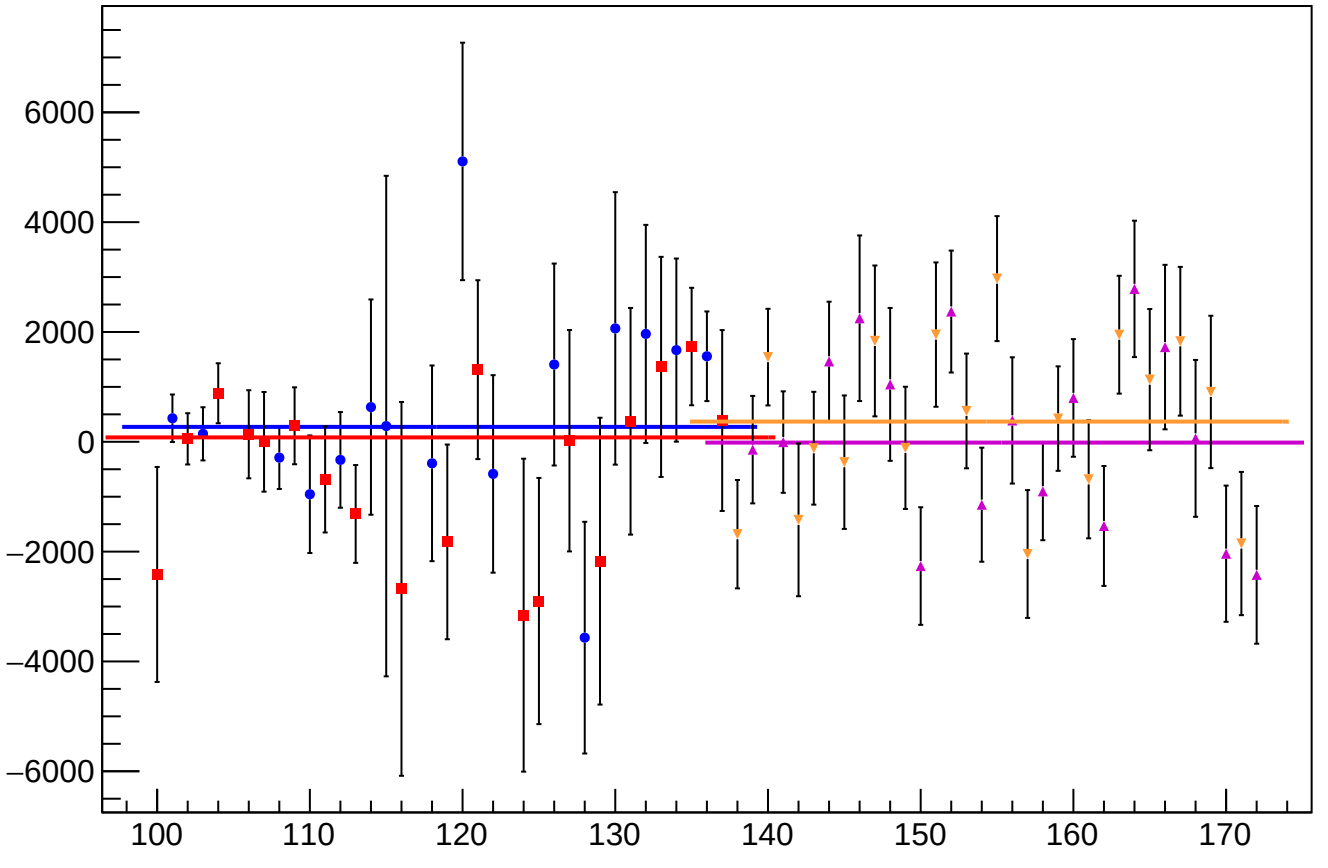
Left: 154.770+/-0.021 χ^2/NDF: 398537.7/34

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 131.700+/-0.021 χ^2/NDF:2139138.3/32

Out: 126.996+/-0.020 χ^2/NDF:2339792.8/36

All: 129.242+/-0.014 χ^2/NDF: 4505759.9/69



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 368.093+/-268.228 χ^2/NDF:28.4/17

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: -14.474+/-274.980 χ^2/NDF:31.3/16

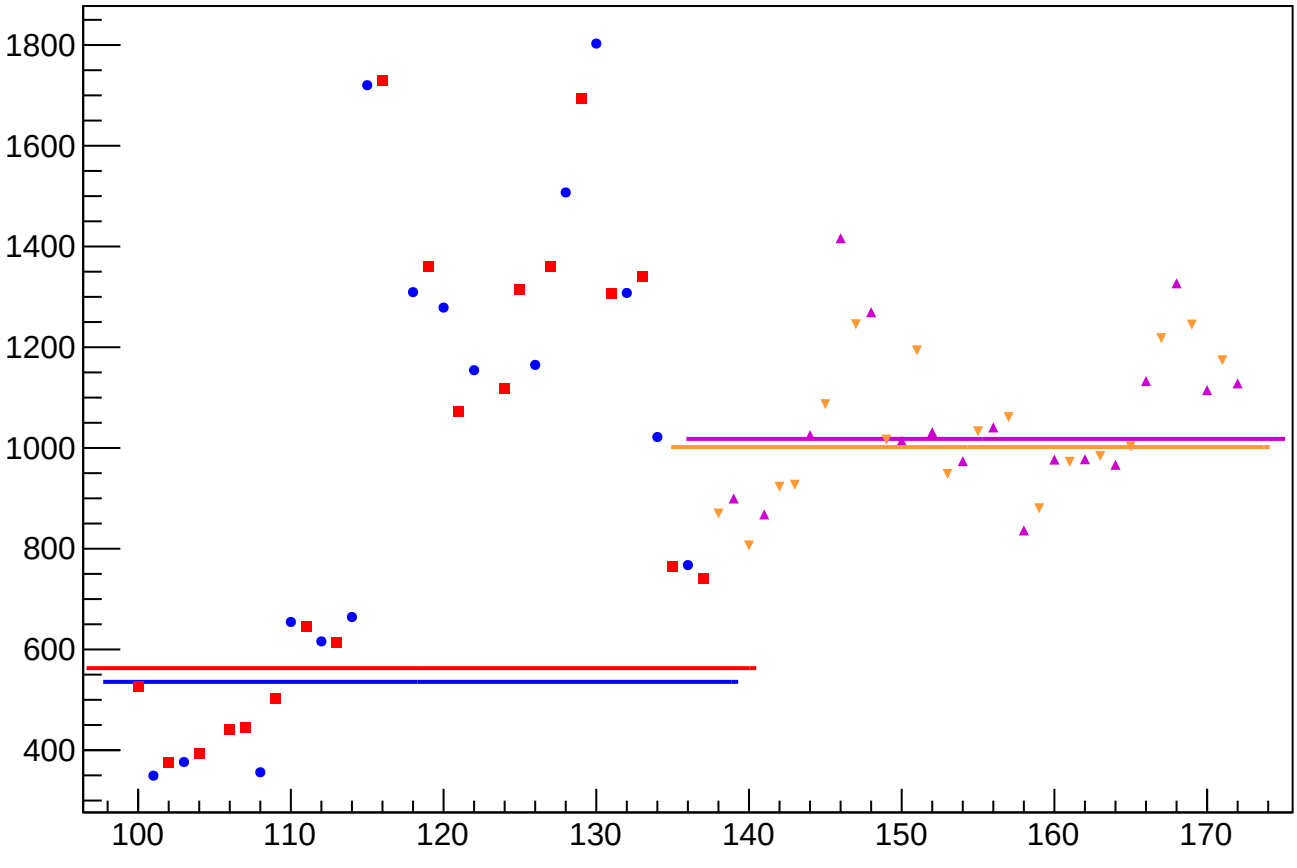
Left: 181.563+/-192.008 χ^2/NDF: 60.7/34

Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 153.389+/-176.721 χ^2/NDF:48.4/32

Out: 203.438+/-175.537 χ^2/NDF:45.1/36

All: 178.582+/-124.540 χ^2/NDF: 93.5/69



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 1001.842+/-0.190 χ^2/NDF:461122.2/17

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: 1009.729+/-0.136 χ^2/NDF: 981424.4/34

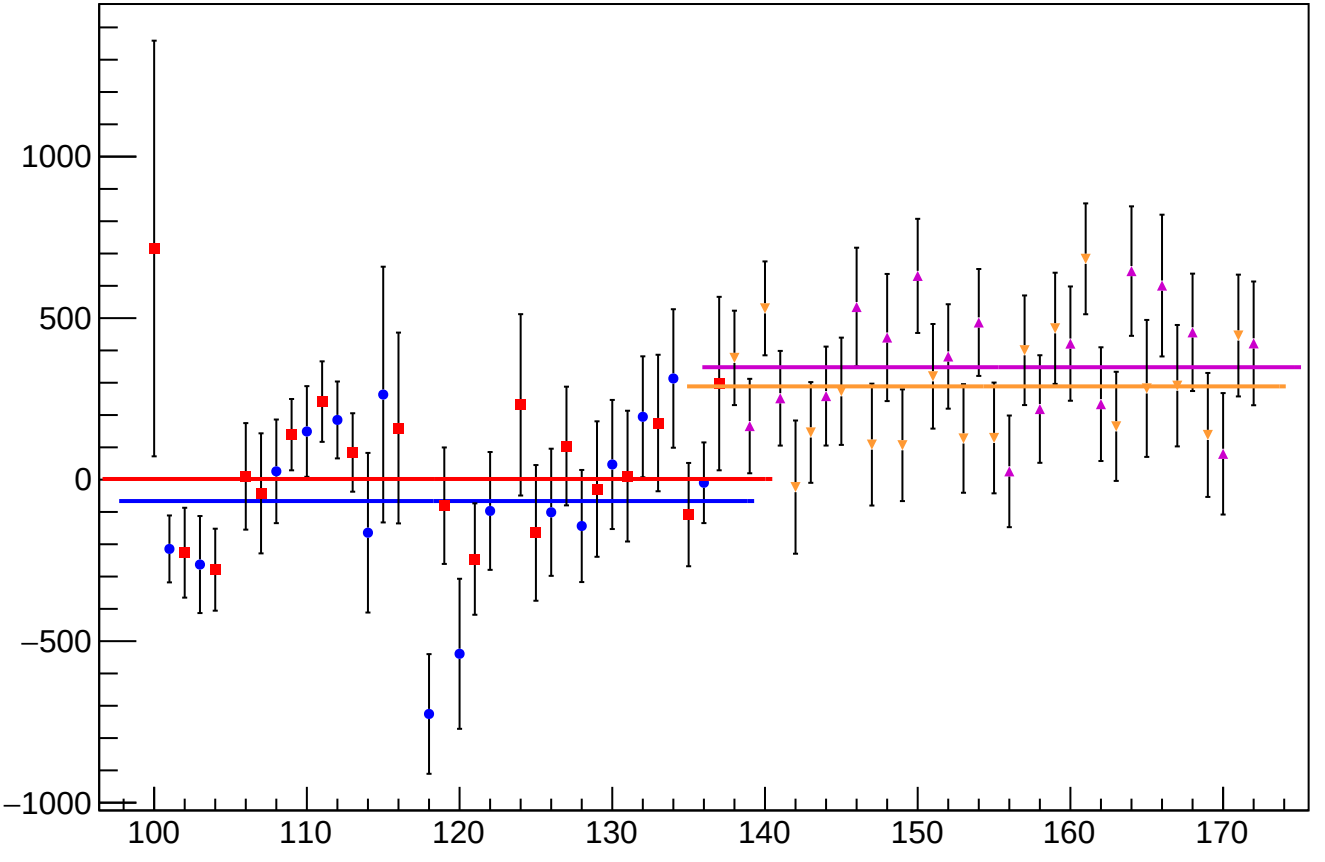
Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 734.898+/-0.125 χ^2/NDF:7761139.3/32

Out: 750.859+/-0.124 χ^2/NDF:6635019.2/36

All: 742.932+/-0.088 χ^2/NDF: 14404369.8/69

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 288.728+/-40.571 χ^2/NDF:18.8/17

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: 317.296+/-29.222 χ^2/NDF: 37.4/34

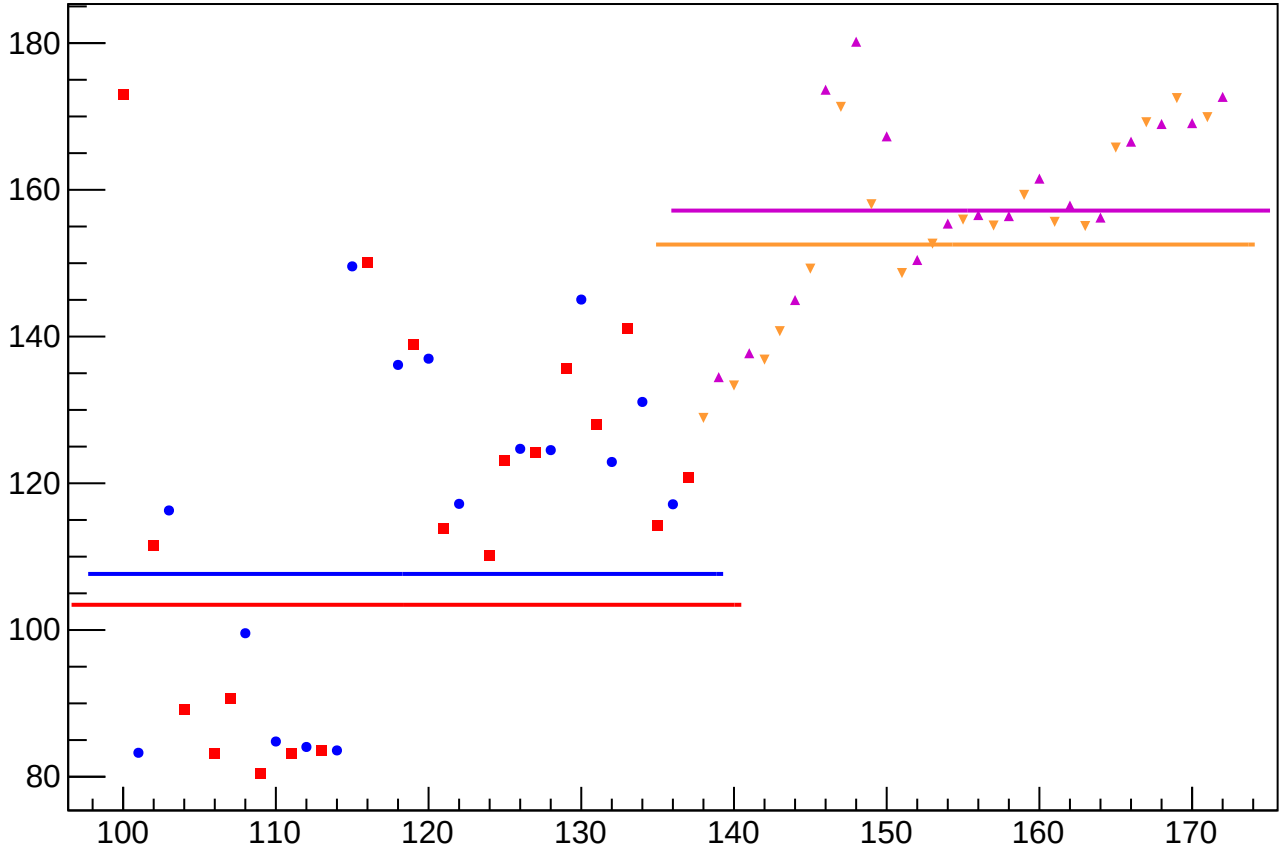
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 134.998+/-29.358 χ^2/NDF:101.8/32

Out: 139.506+/-28.092 χ^2/NDF:65.9/36

All: 137.351+/-20.297 χ^2/NDF: 167.7/69

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 152.543+/-0.029 χ^2/NDF:201573.3/17

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 157.171+/-0.030 χ^2/NDF:184440.3/16

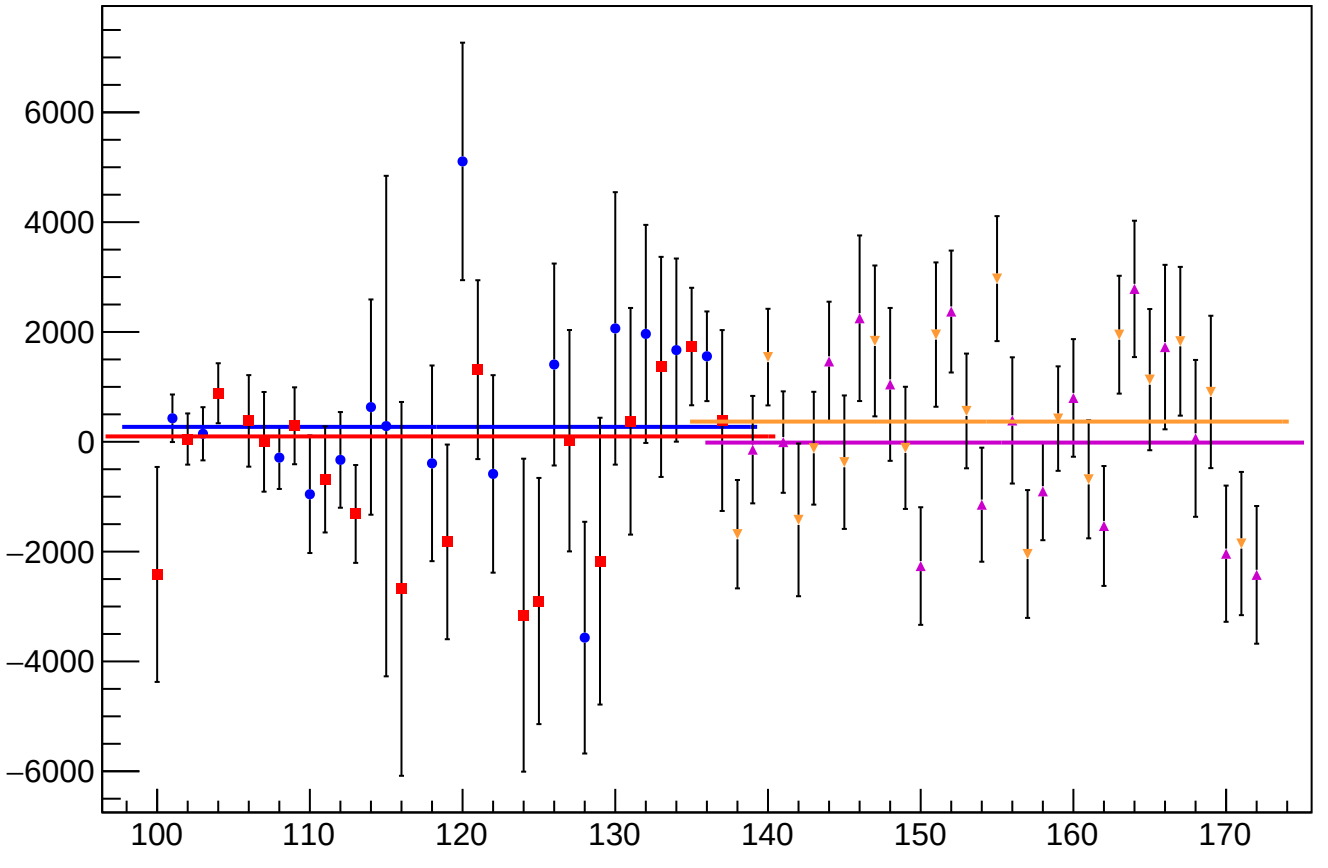
Left: 154.770+/-0.021 χ^2/NDF: 398537.8/34

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 131.700+/-0.021 χ^2/NDF:2139136.0/32

Out: 126.982+/-0.020 χ^2/NDF:2351525.7/36

All: 129.237+/-0.014 χ^2/NDF: 4517629.3/69



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 368.097+/-268.228 χ^2/NDF:28.4/17

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: 181.565+/-192.009 χ^2/NDF: 60.7/34

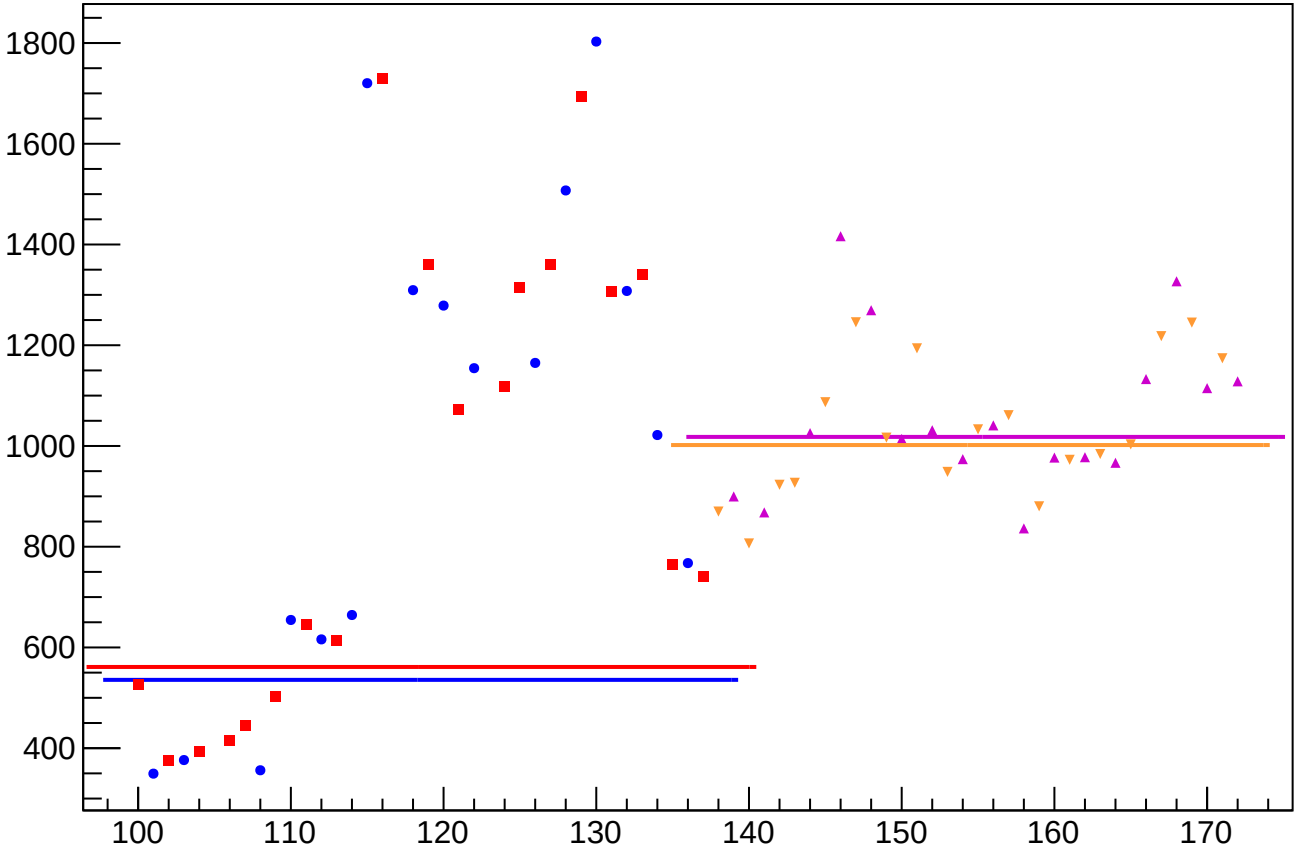
Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 153.475+/-176.718 χ^2/NDF:48.4/32

Out: 213.946+/-175.807 χ^2/NDF:45.1/36

All: 183.867+/-124.635 χ^2/NDF: 93.6/69

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1001.843+/-0.190 χ^2/NDF:461122.6/17

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1018.018+/-0.194 χ^2/NDF:516754.7/16

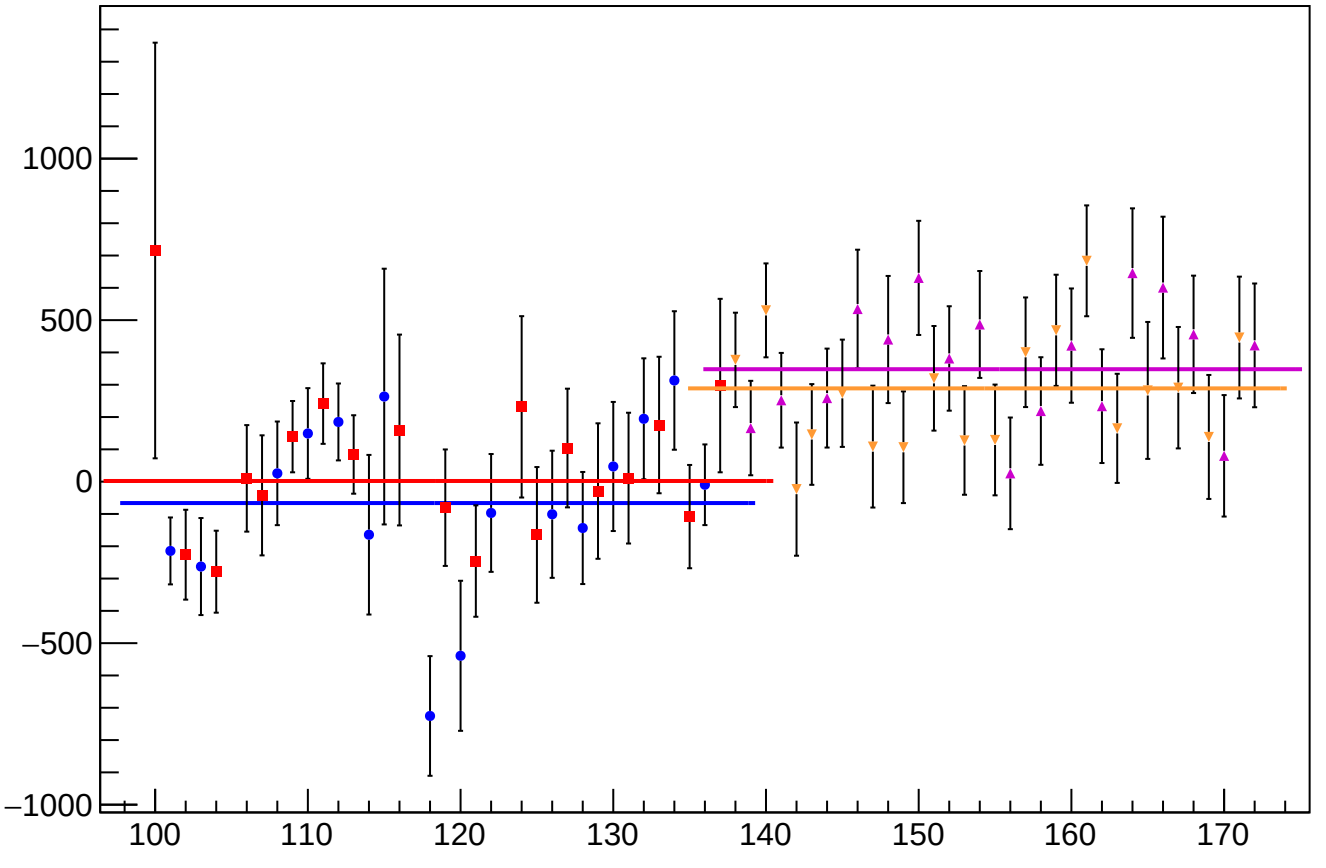
Left: 1009.729+/-0.136 χ^2/NDF: 981423.7/34

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 734.879+/-0.125 χ^2/NDF:7761759.6/32

Out: 750.540+/-0.124 χ^2/NDF:6669647.6/36

All: 742.750+/-0.088 χ^2/NDF: 14439302.0/69



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 288.728+/-40.571 χ^2/NDF:18.8/17

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 348.094+/-42.124 χ^2/NDF:17.6/16

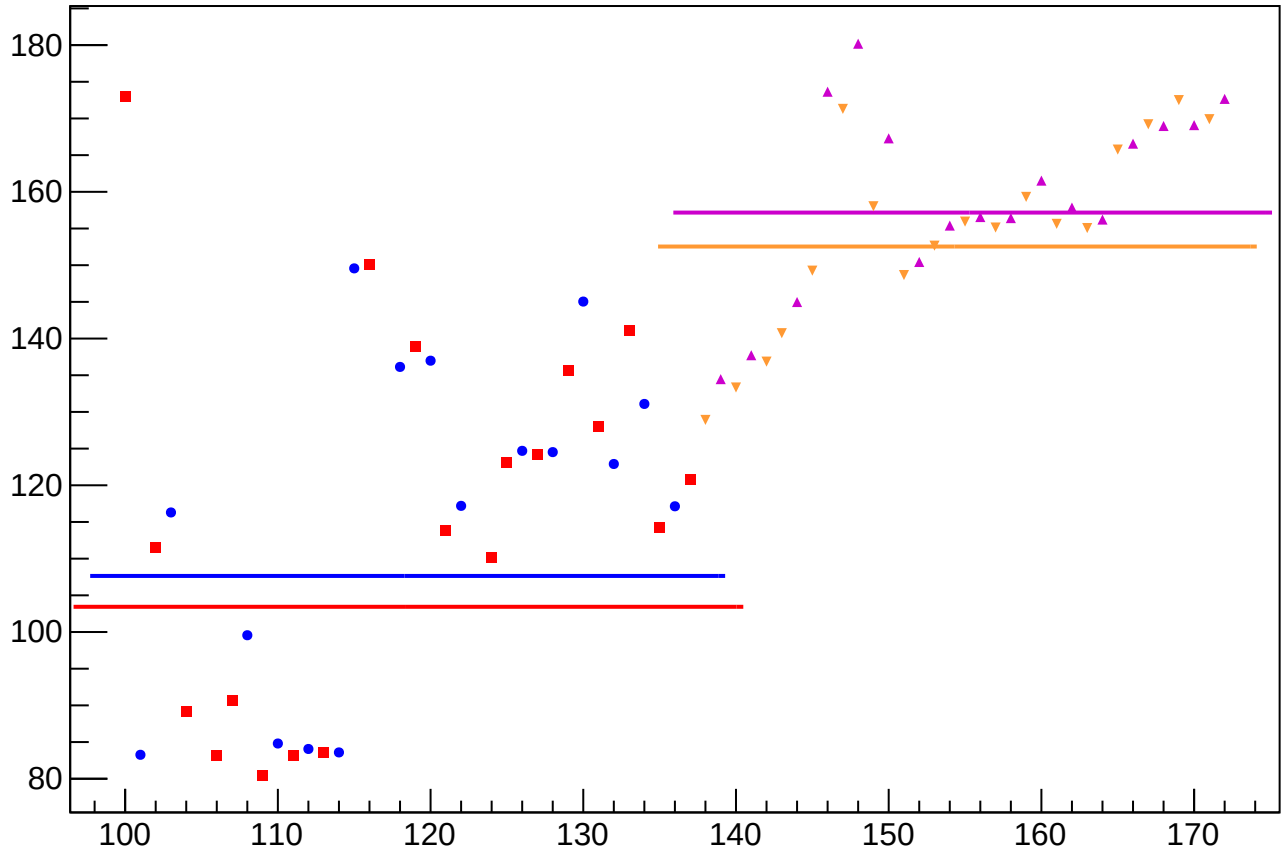
Left: 317.296+/-29.222 χ^2/NDF: 37.4/34

Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 134.998+/-29.358 χ^2/NDF:101.8/32

Out: 139.506+/-28.092 χ^2/NDF:65.9/36

All: 137.351+/-20.297 χ^2/NDF: 167.7/69



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 152.543+/-0.029 χ^2/NDF:201573.3/17

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 157.171+/-0.030 χ^2/NDF:184440.3/16

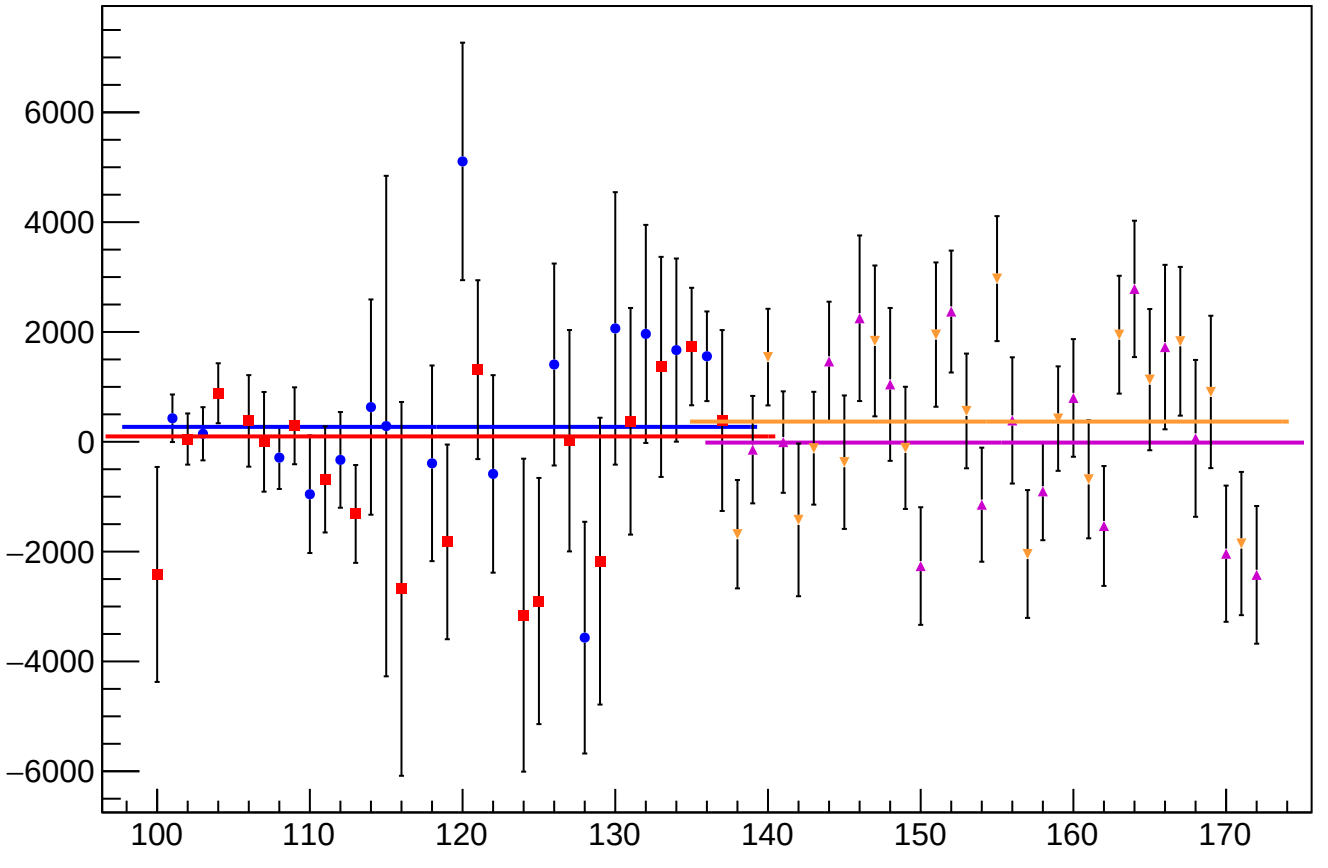
Left: 154.770+/-0.021 χ^2/NDF: 398537.8/34

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 131.700+/-0.021 χ^2/NDF:2139136.0/32

Out: 126.982+/-0.020 χ^2/NDF:2351525.7/36

All: 129.237+/-0.014 χ^2/NDF: 4517629.3/69



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 368.097+/-268.228 χ^2/NDF:28.4/17

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: -14.475+/-274.980 χ^2/NDF:31.3/16

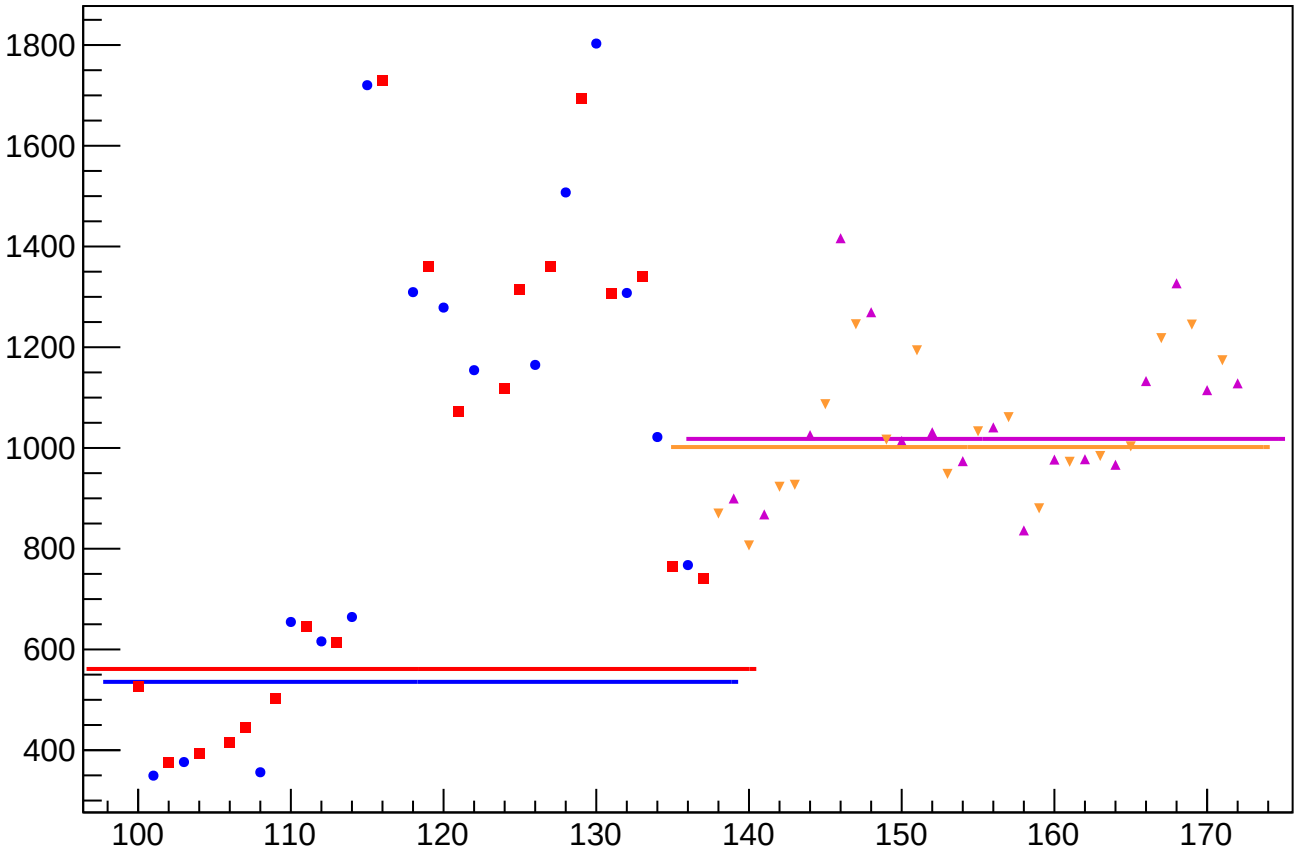
Left: 181.565+/-192.009 χ^2/NDF: 60.7/34

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 153.475+/-176.718 χ^2/NDF:48.4/32

Out: 213.946+/-175.807 χ^2/NDF:45.1/36

All: 183.867+/-124.635 χ^2/NDF: 93.6/69



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1001.843+/-0.190 χ^2/NDF:461122.6/17

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: 1009.729+/-0.136 χ^2/NDF: 981423.7/34

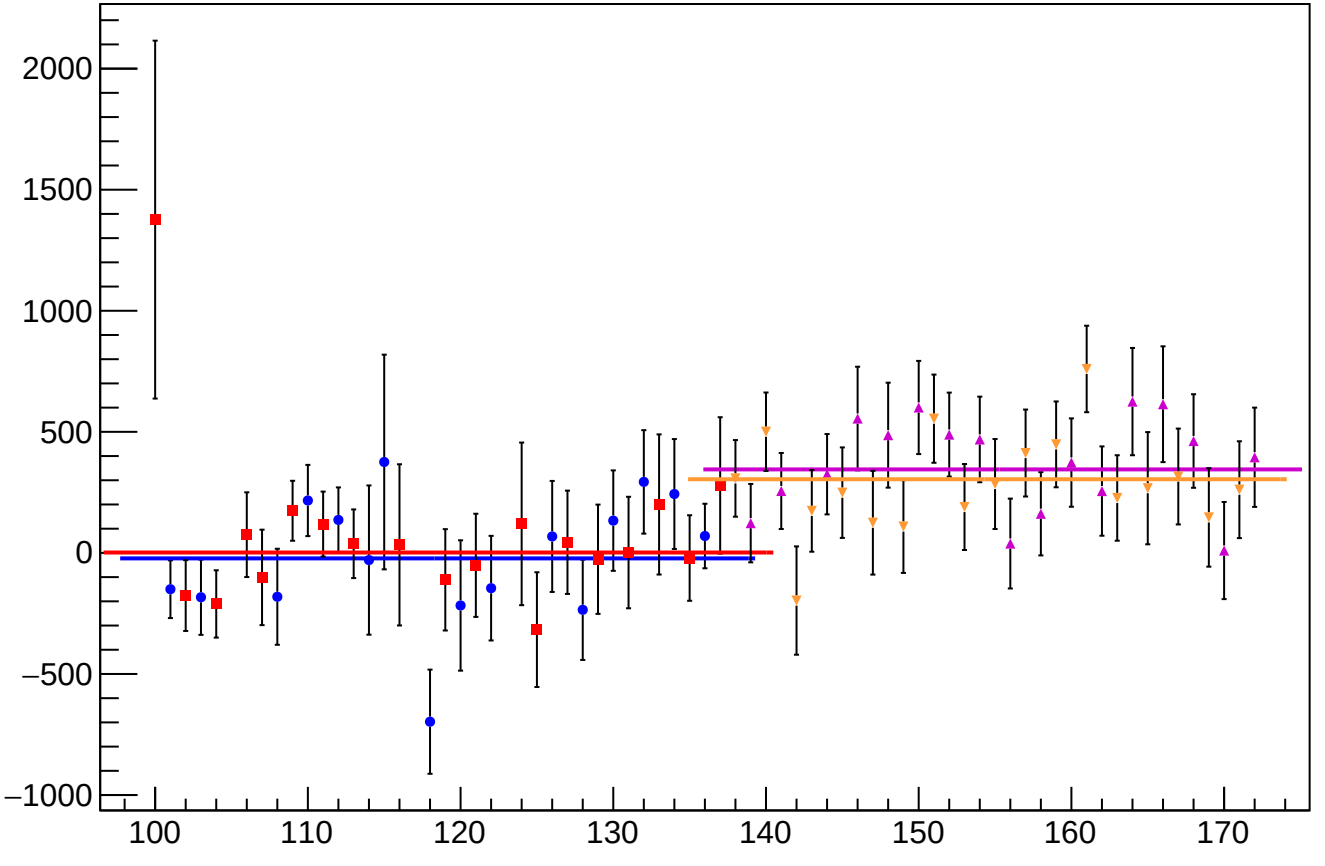
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 734.879+/-0.125 χ^2/NDF:7761759.6/32

Out: 750.540+/-0.124 χ^2/NDF:6669647.6/36

All: 742.750+/-0.088 χ^2/NDF: 14439302.0/69

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 304.185+/-43.795 χ^2/NDF:19.6/17

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: 323.793+/-31.507 χ^2/NDF: 36.8/34

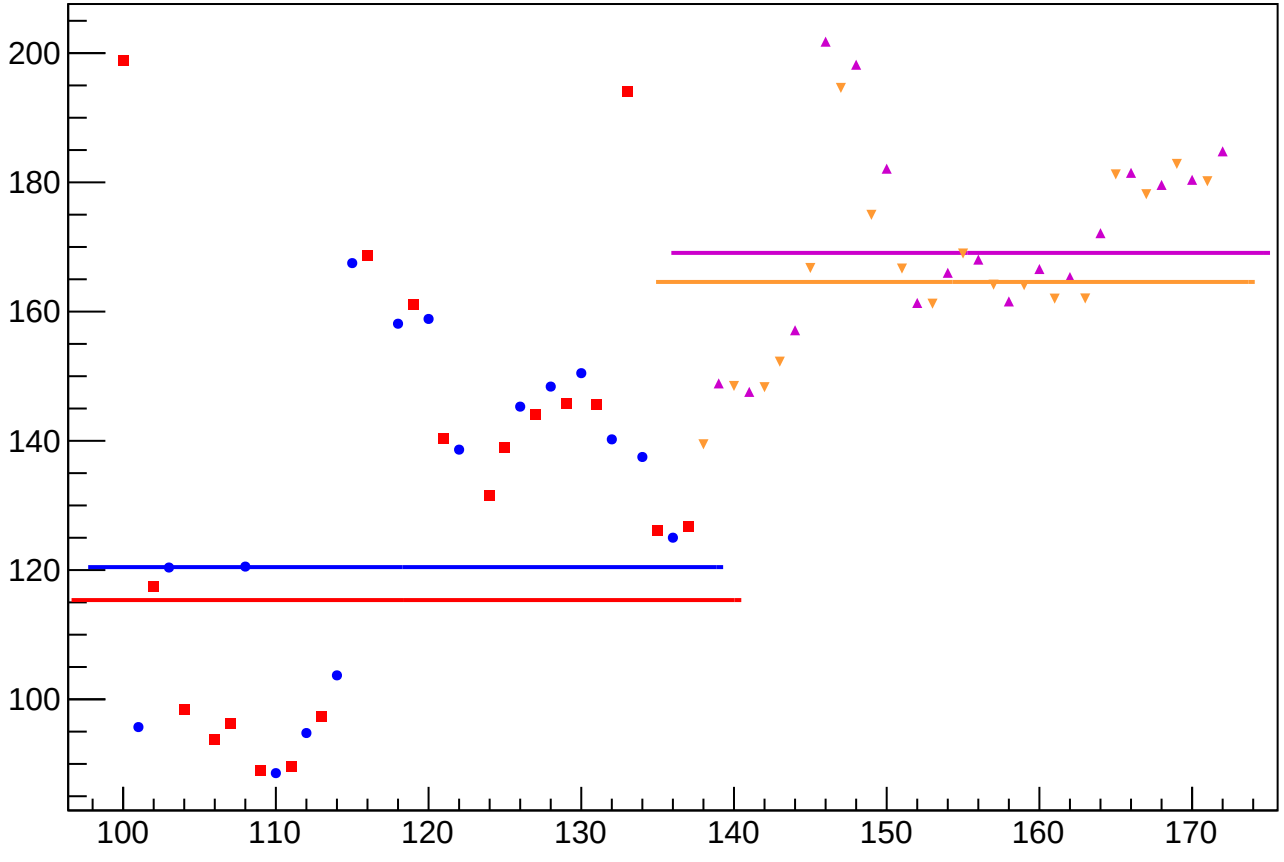
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 163.283+/-32.266 χ^2/NDF:73.4/32

Out: 152.088+/-30.885 χ^2/NDF:57.9/36

All: 157.441+/-22.312 χ^2/NDF: 131.3/69

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 164.590+/-0.031 χ^2/NDF:187886.7/17

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 169.084+/-0.032 χ^2/NDF:210462.5/16

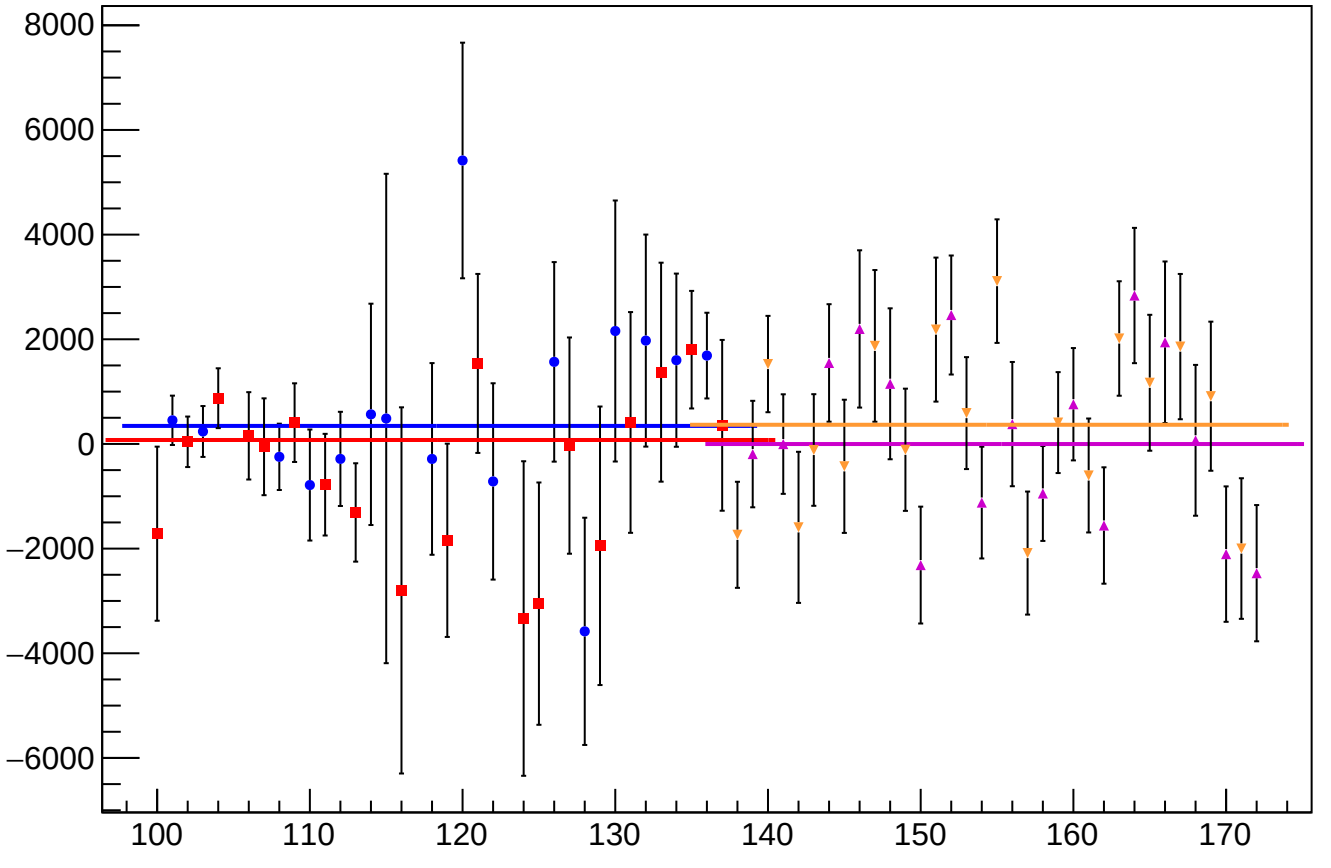
Left: 166.758+/-0.022 χ^2/NDF: 408512.4/34

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 145.063+/-0.023 χ^2/NDF:1876169.0/32

Out: 139.842+/-0.022 χ^2/NDF:2225561.3/36

All: 142.339+/-0.016 χ^2/NDF: 4129056.3/69



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 366.394+/-276.326 χ^2/NDF:29.0/17

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: 186.362+/-197.540 χ^2/NDF: 60.9/34

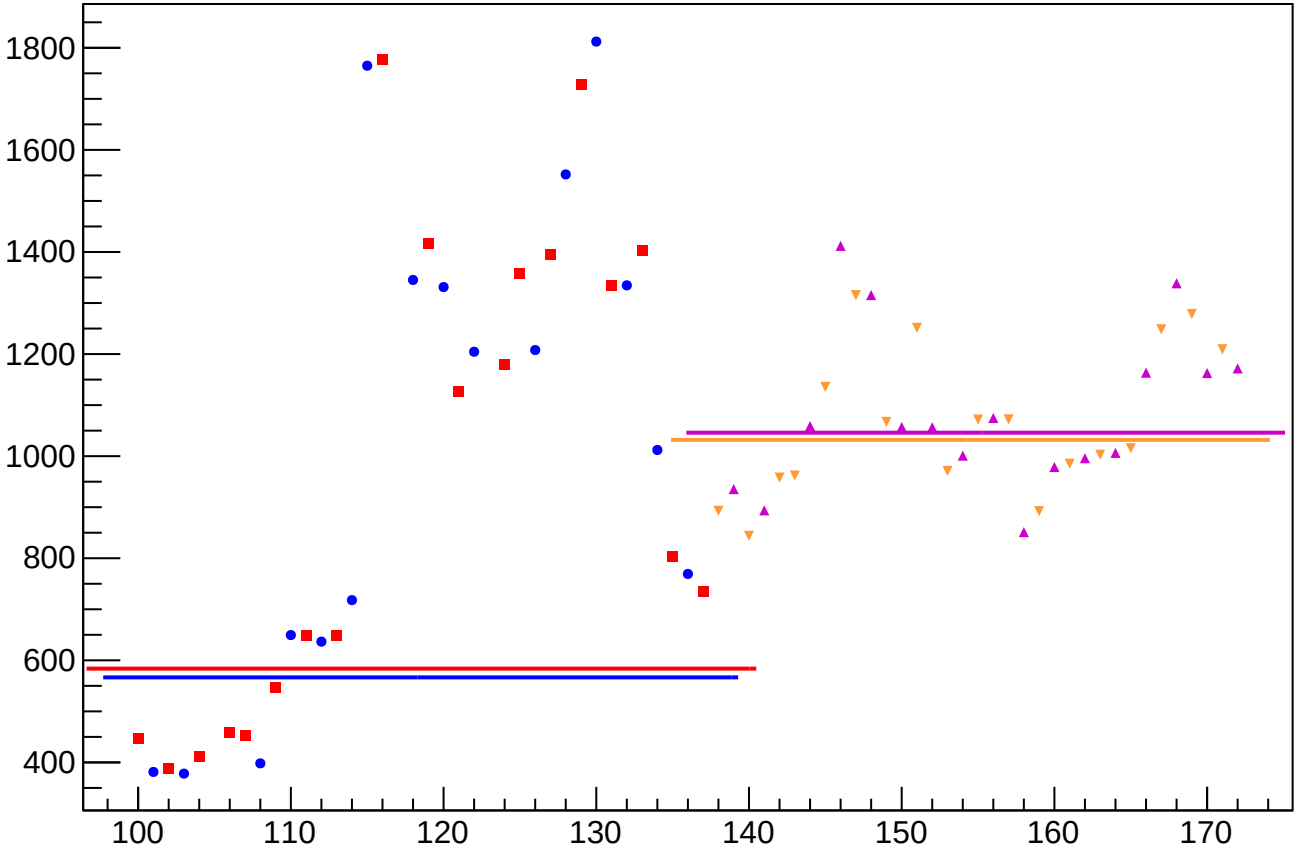
Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 198.221+/-183.581 χ^2/NDF:48.2/32

Out: 200.829+/-181.403 χ^2/NDF:44.9/36

All: 199.540+/-129.035 χ^2/NDF: 93.1/69

asym_sam6_dit_correction_rms vs Slug, Sign Corrected



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1031.886+/-0.195 χ^2/NDF:479320.5/17

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: 1038.793+/-0.140 χ^2/NDF: 985746.0/34

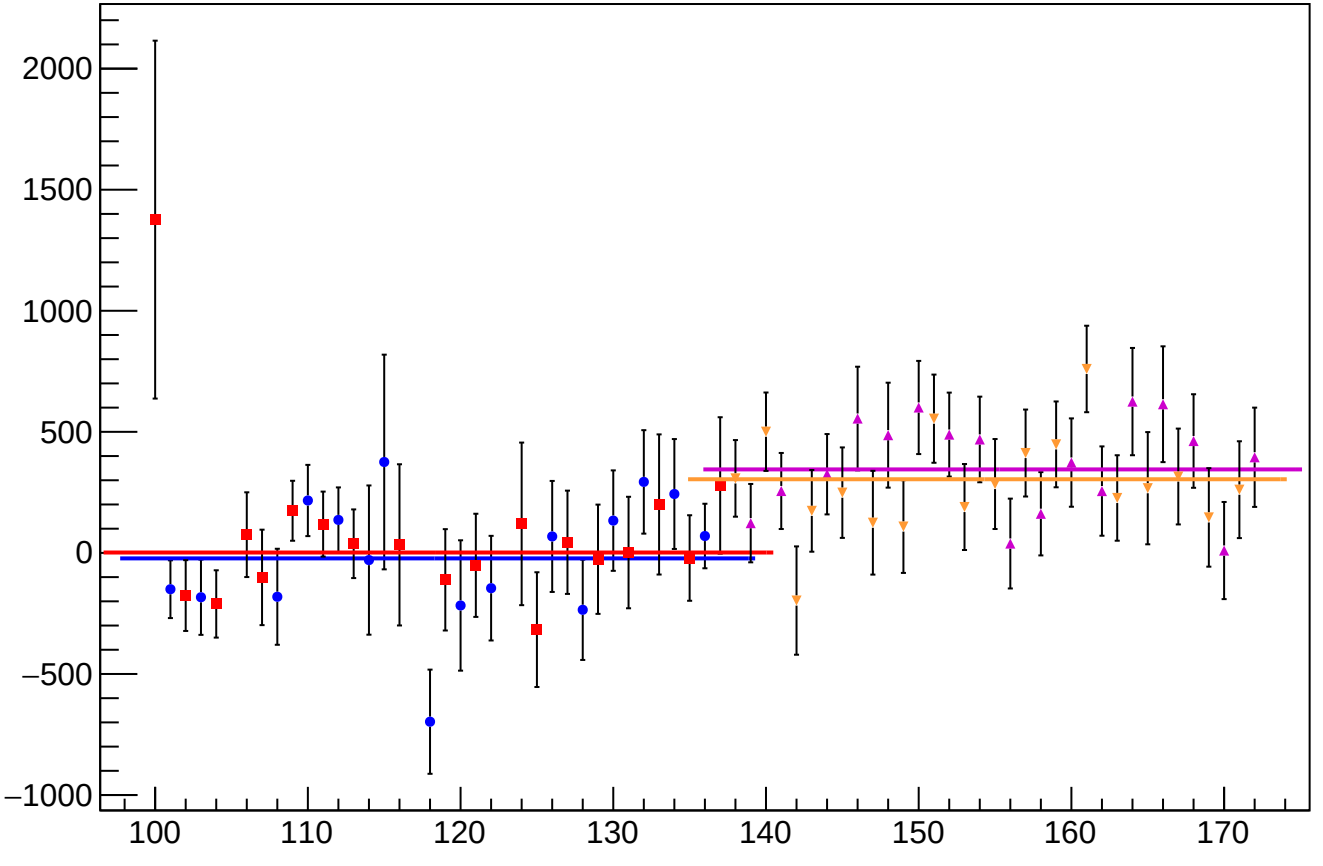
Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

In: 769.053+/-0.130 χ^2/NDF:7263719.0/32

Out: 776.908+/-0.128 χ^2/NDF:6579485.2/36

All: 773.028+/-0.091 χ^2/NDF: 13845056.8/69

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.680+/-45.908 χ^2/NDF: 24.2/15

Left Out: 304.186+/-43.795 χ^2/NDF:19.6/17

Right Out: 1.601+/-43.563 χ^2/NDF: 14.3/18

Left In: 344.829+/-45.360 χ^2/NDF:16.8/16

Left: 323.794+/-31.507 χ^2/NDF: 36.8/34

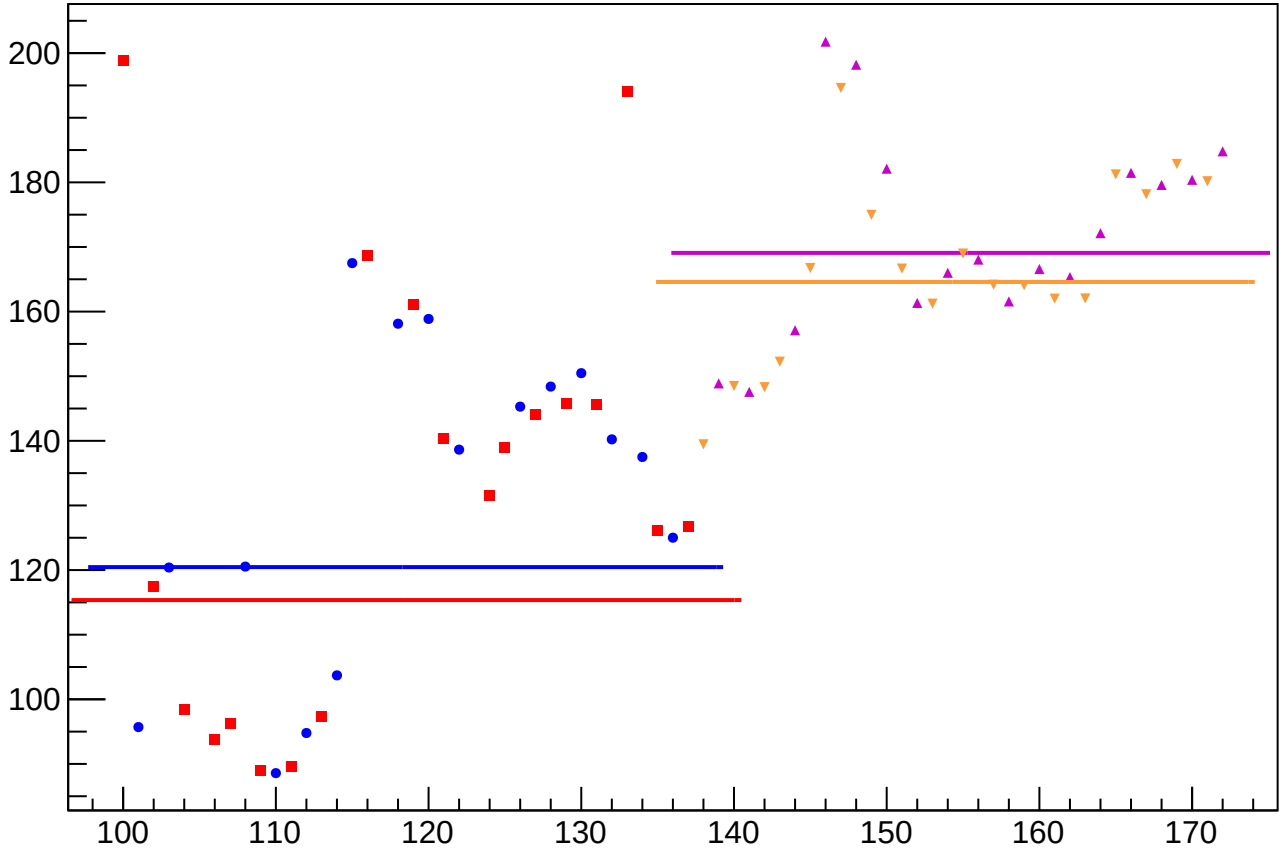
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 163.282+/-32.266 χ^2/NDF:73.4/32

Out: 152.089+/-30.885 χ^2/NDF:57.9/36

All: 157.441+/-22.312 χ^2/NDF: 131.3/69

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 164.589+/-0.031 χ^2/NDF:187885.7/17

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 169.084+/-0.032 χ^2/NDF:210462.7/16

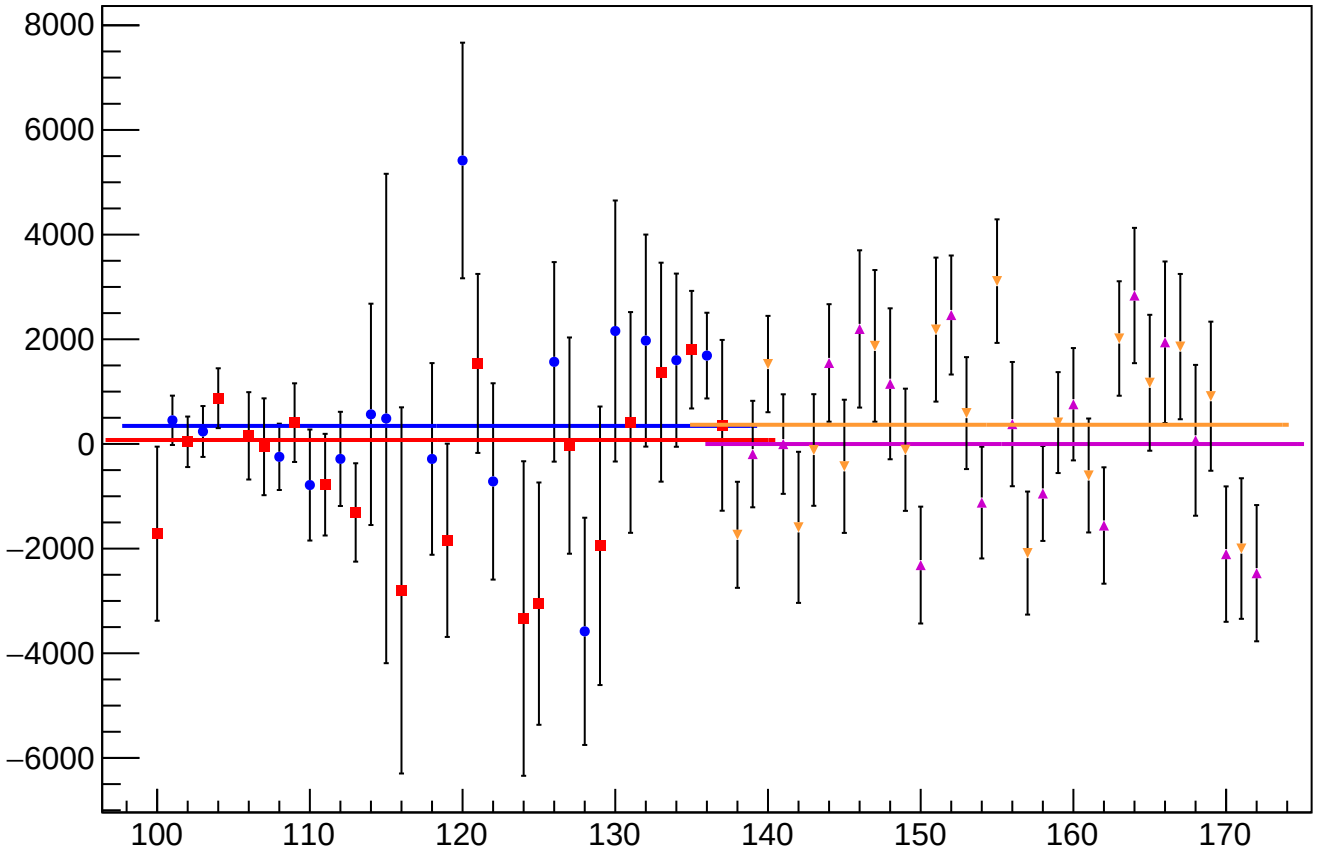
Left: 166.758+/-0.022 χ^2/NDF: 408511.8/34

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 145.063+/-0.023 χ^2/NDF:1876179.8/32

Out: 139.842+/-0.022 χ^2/NDF:2225561.9/36

All: 142.338+/-0.016 χ^2/NDF: 4129067.4/69



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 366.395+/-276.326 χ^2/NDF:29.0/17

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: -1.809+/-282.503 χ^2/NDF:31.1/16

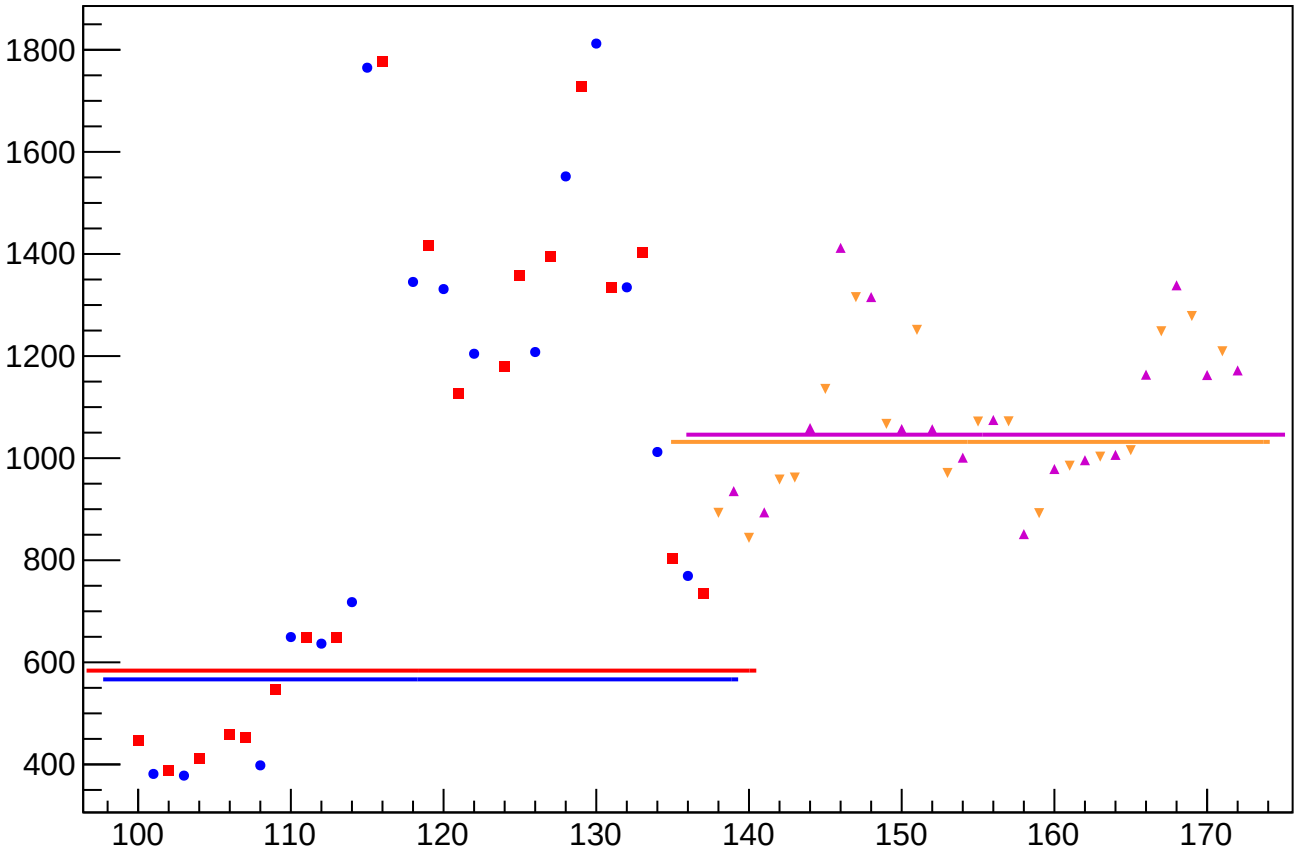
Left: 186.363+/-197.540 χ^2/NDF: 60.9/34

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 198.220+/-183.581 χ^2/NDF:48.2/32

Out: 200.830+/-181.403 χ^2/NDF:44.9/36

All: 199.541+/-129.035 χ^2/NDF: 93.1/69



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1031.886+/-0.195 χ^2/NDF:479323.2/17

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: 1038.793+/-0.140 χ^2/NDF: 985752.3/34

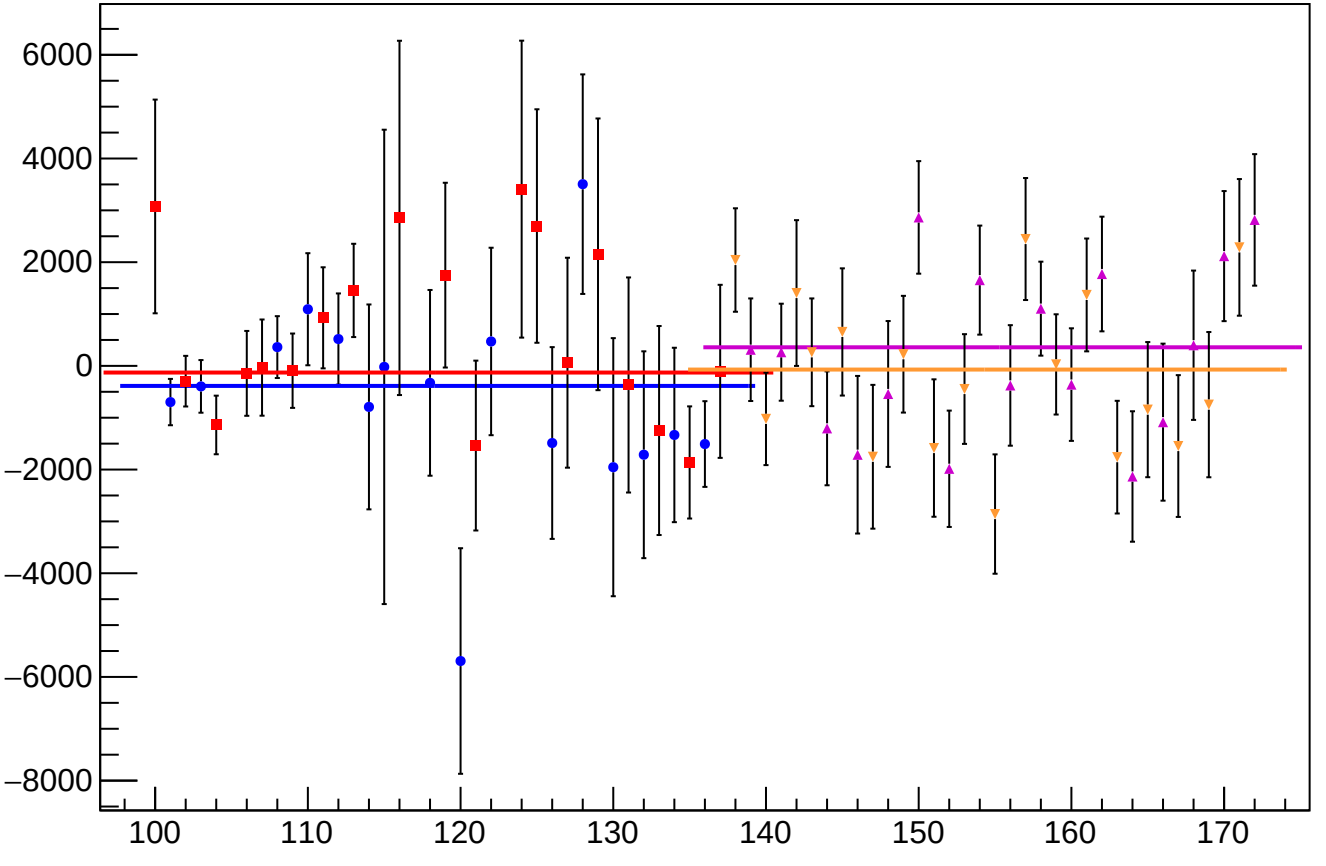
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 769.053+/-0.130 χ^2/NDF:7263738.8/32

Out: 776.908+/-0.128 χ^2/NDF:6579496.2/36

All: 773.027+/-0.091 χ^2/NDF: 13845087.6/69

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -71.129+/-271.414 χ^2/NDF:29.7/17

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: 138.262+/-194.322 χ^2/NDF: 60.1/34

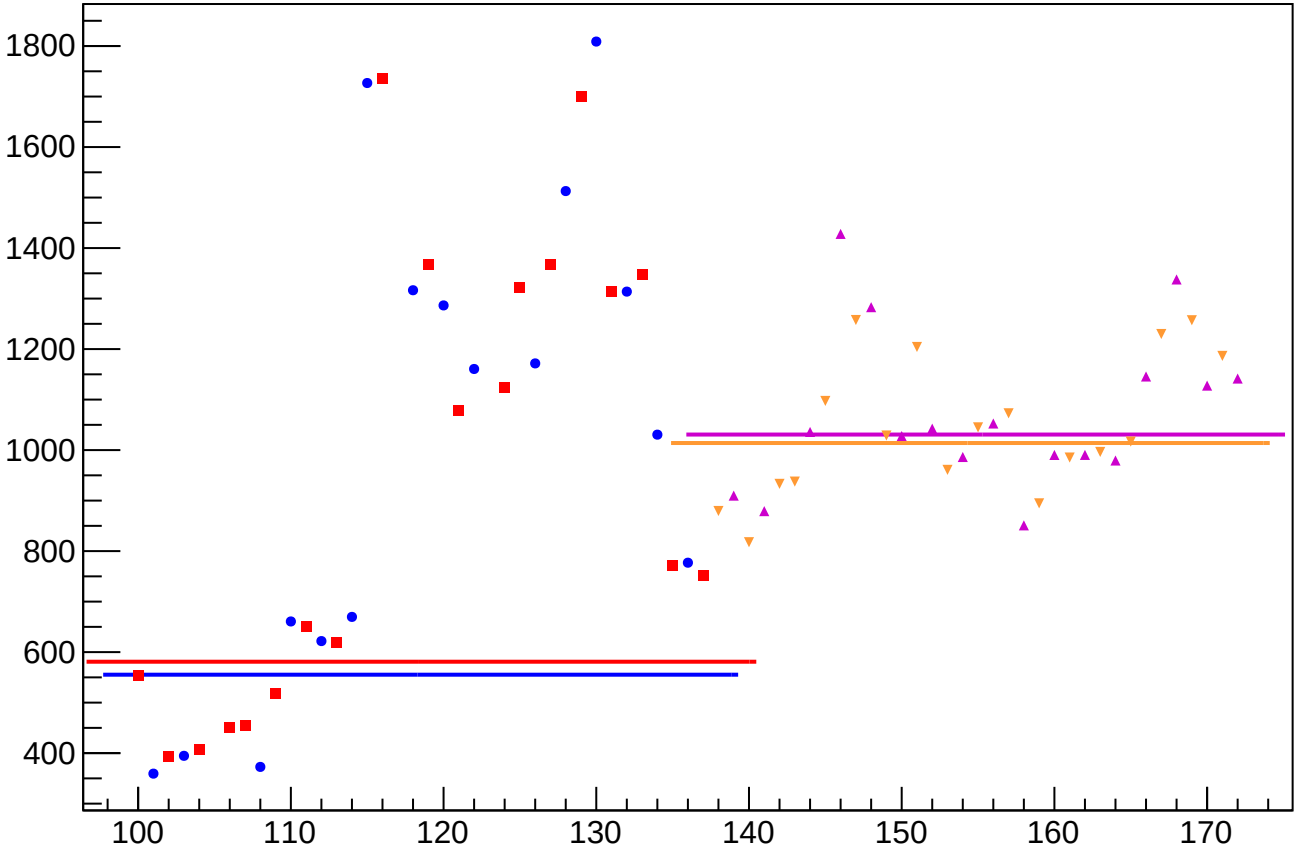
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -72.603+/-180.680 χ^2/NDF:51.3/32

Out: -103.580+/-179.048 χ^2/NDF:49.1/36

All: -88.232+/-127.179 χ^2/NDF: 100.4/69

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 1014.001+/-0.192 χ^2/NDF:451484.2/17

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1030.776+/-0.197 χ^2/NDF:504995.5/16

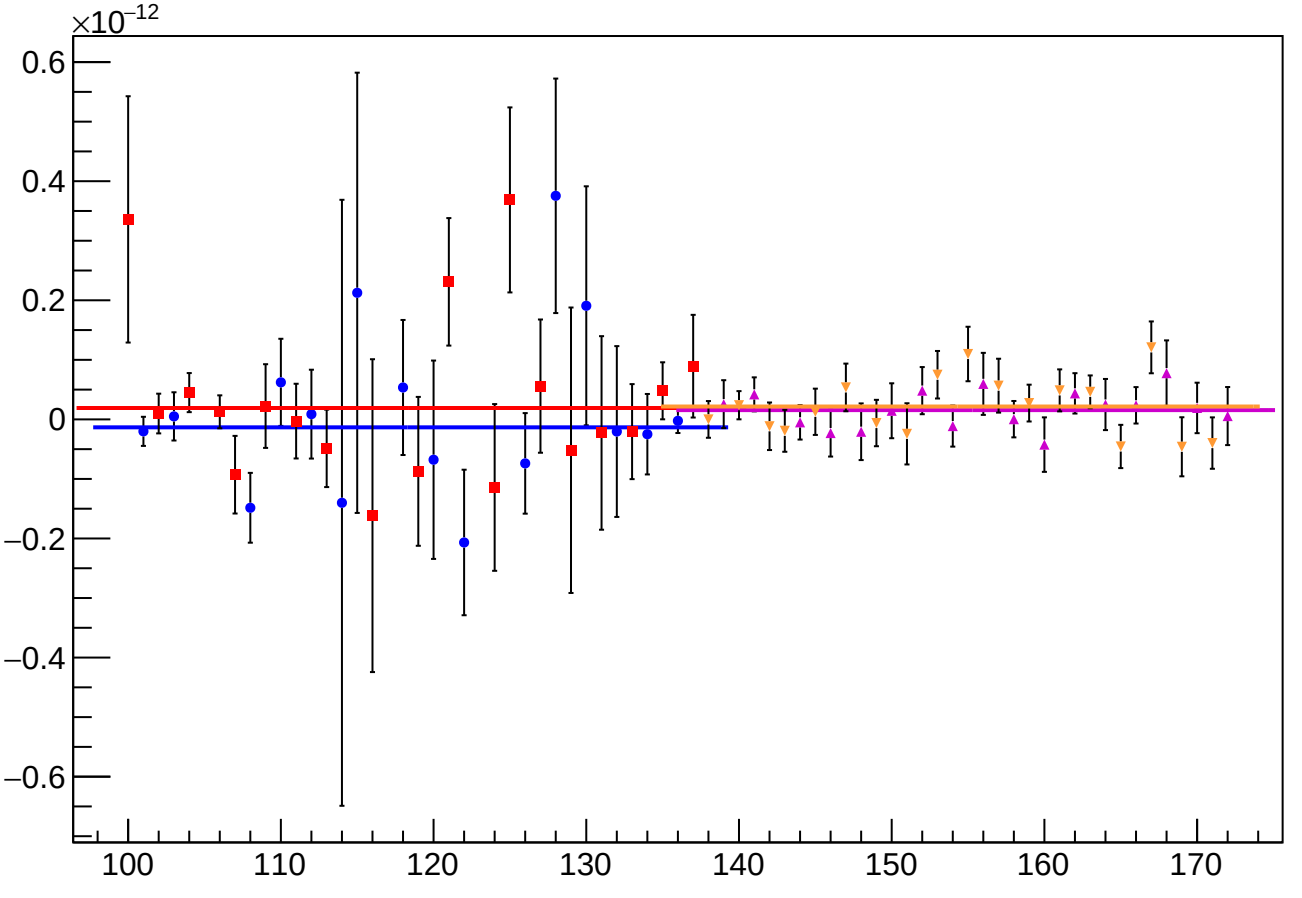
Left: 1022.177+/-0.137 χ^2/NDF: 960203.2/34

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 755.644+/-0.128 χ^2/NDF:7364618.0/32

Out: 769.433+/-0.127 χ^2/NDF:6310186.4/36

All: 762.601+/-0.090 χ^2/NDF: 13680681.7/69



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.9/16

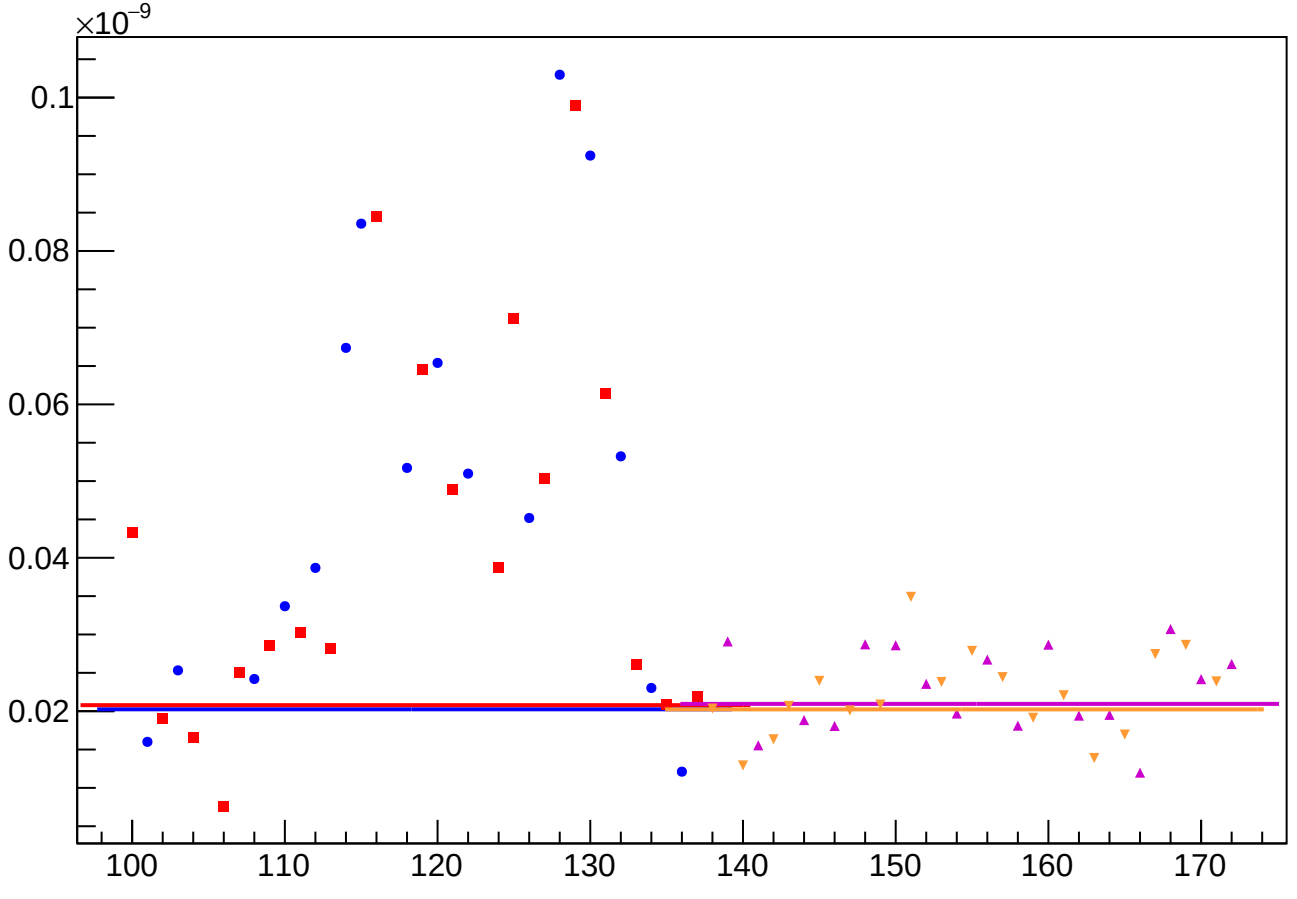
Left: 0.000+/-0.000 χ^2/NDF: 33.7/34

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:44.5/36

All: 0.000+/-0.000 χ^2/NDF: 74.7/69



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:737367.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:668626.0/16

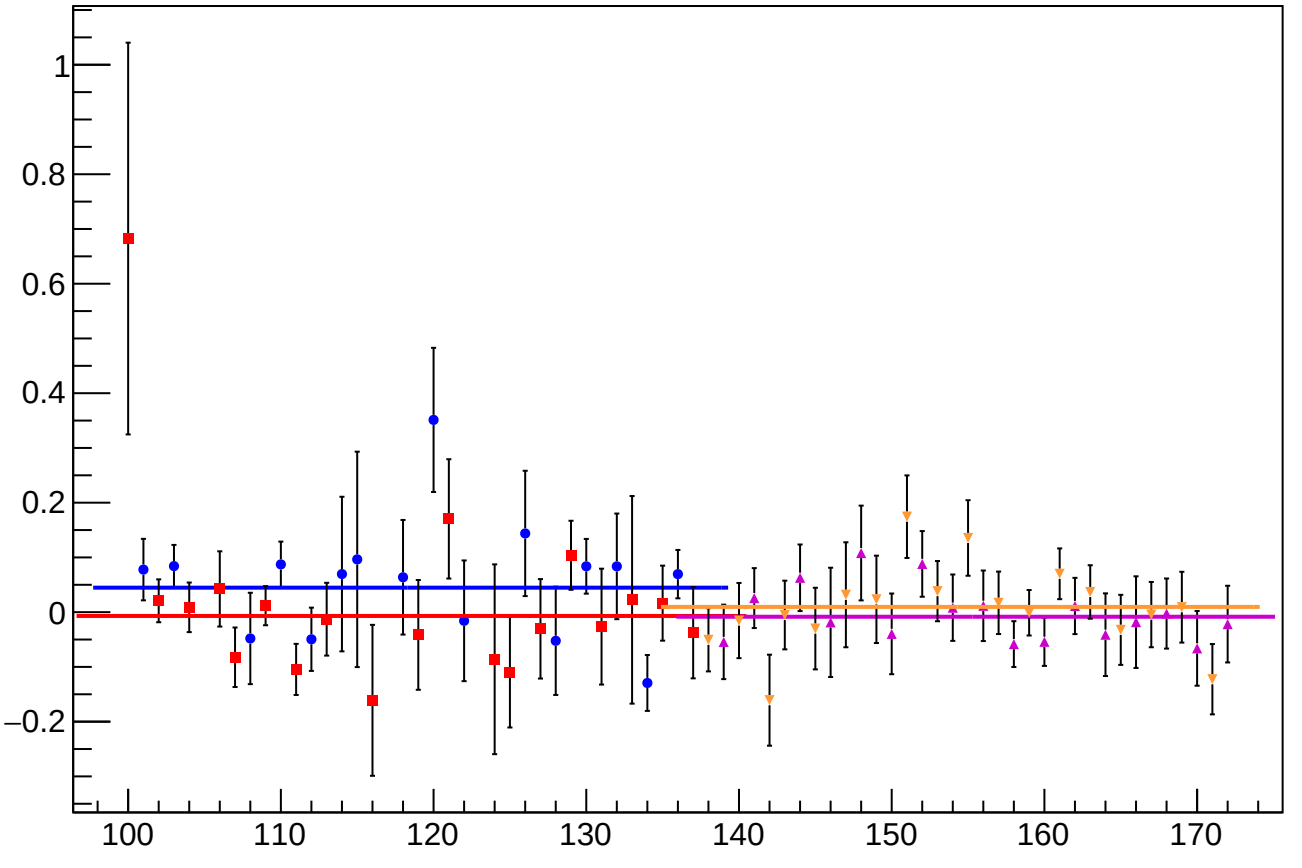
Left: 0.000+/-0.000 χ^2/NDF: 1412508.5/34

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:2595552.2/36

All: 0.000+/-0.000 χ^2/NDF: 5274773.5/69



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.010+/-0.014 χ^2/NDF:21.0/17

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.008+/-0.015 χ^2/NDF:10.6/16

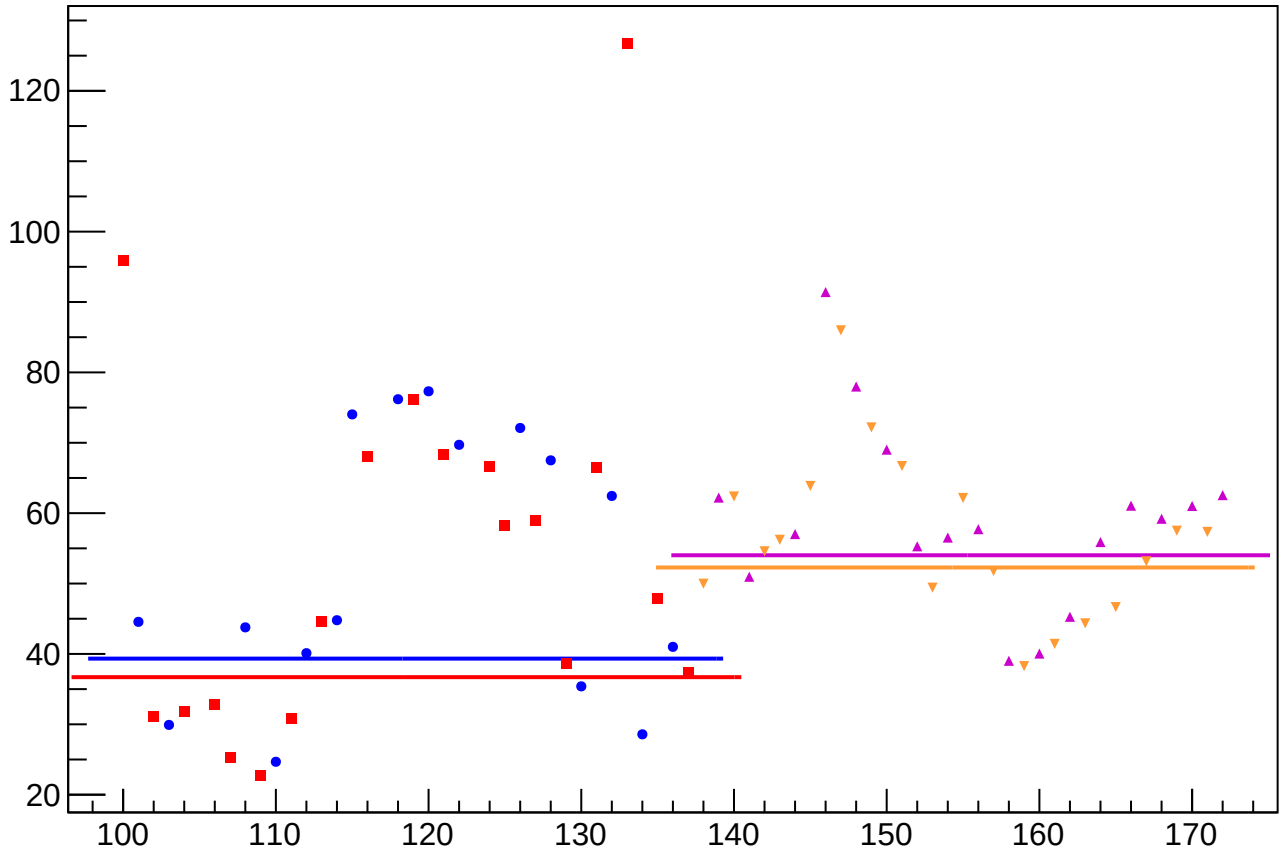
Left: 0.001+/-0.010 χ^2/NDF: 32.4/34

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.016+/-0.011 χ^2/NDF:43.1/32

Out: 0.002+/-0.010 χ^2/NDF:41.8/36

All: 0.009+/-0.008 χ^2/NDF: 85.8/69



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 52.283+/-0.010 χ^2/NDF:1026771.5/17

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 54.018+/-0.011 χ^2/NDF:1162494.2/16

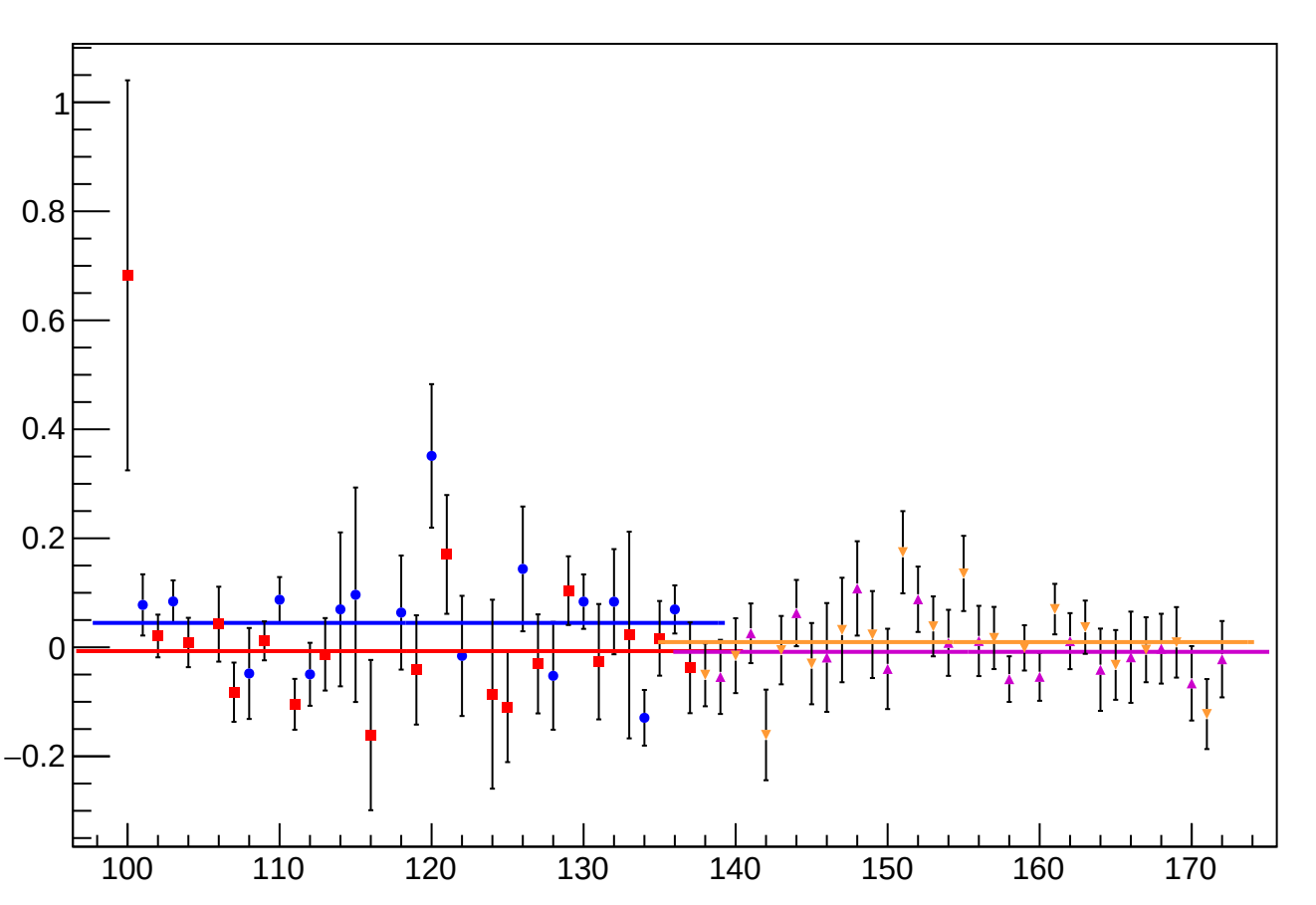
Left: 53.115+/-0.007 χ^2/NDF: 2203273.9/34

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 47.183+/-0.008 χ^2/NDF:3626862.7/32

Out: 44.890+/-0.007 χ^2/NDF:4241395.9/36

All: 45.980+/-0.005 χ^2/NDF: 7914424.0/69



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.010+/-0.014 χ^2/NDF:21.0/17

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.008+/-0.015 χ^2/NDF:10.6/16

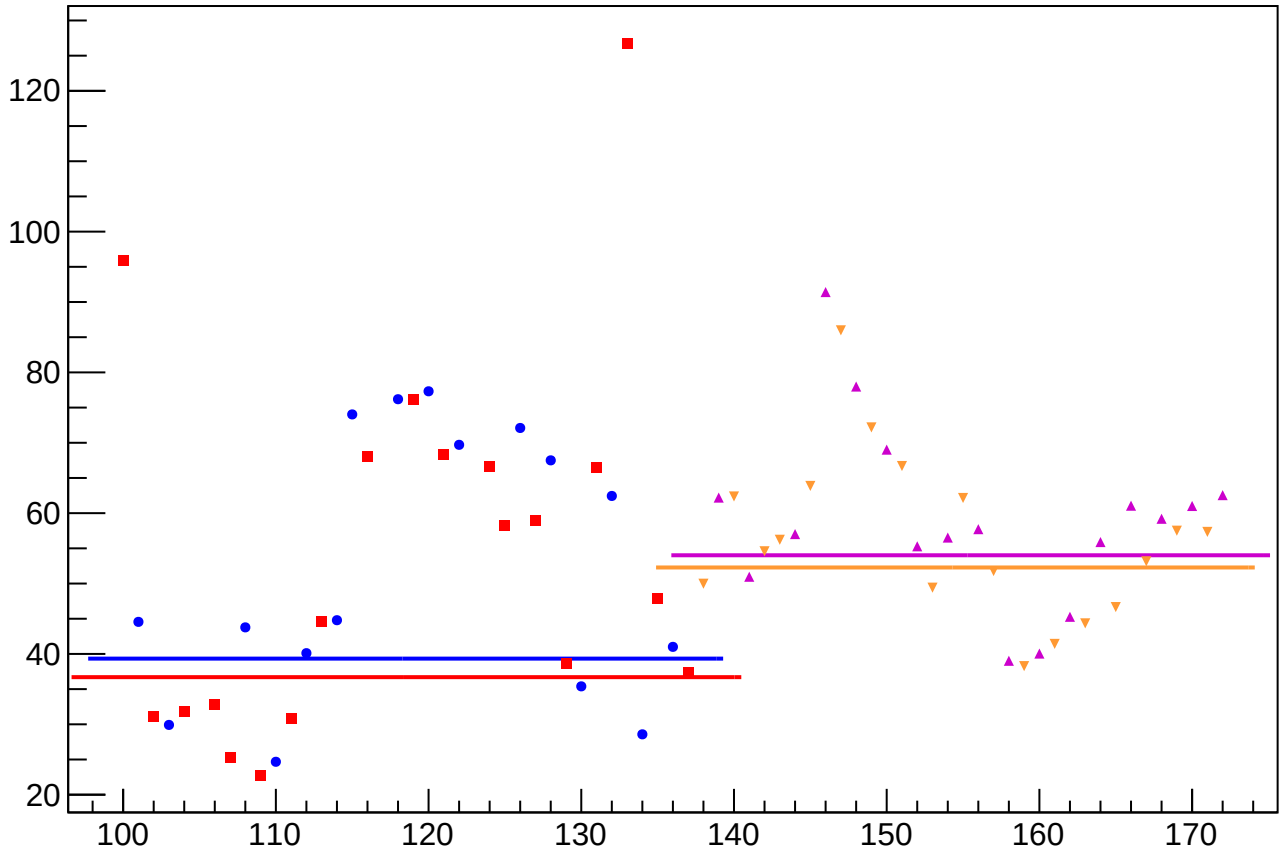
Left: 0.001+/-0.010 χ^2/NDF: 32.4/34

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.016+/-0.011 χ^2/NDF:43.1/32

Out: 0.002+/-0.010 χ^2/NDF:41.8/36

All: 0.009+/-0.008 χ^2/NDF: 85.8/69



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 52.283+/-0.010 χ^2/NDF:1026771.5/17

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 54.018+/-0.011 χ^2/NDF:1162494.2/16

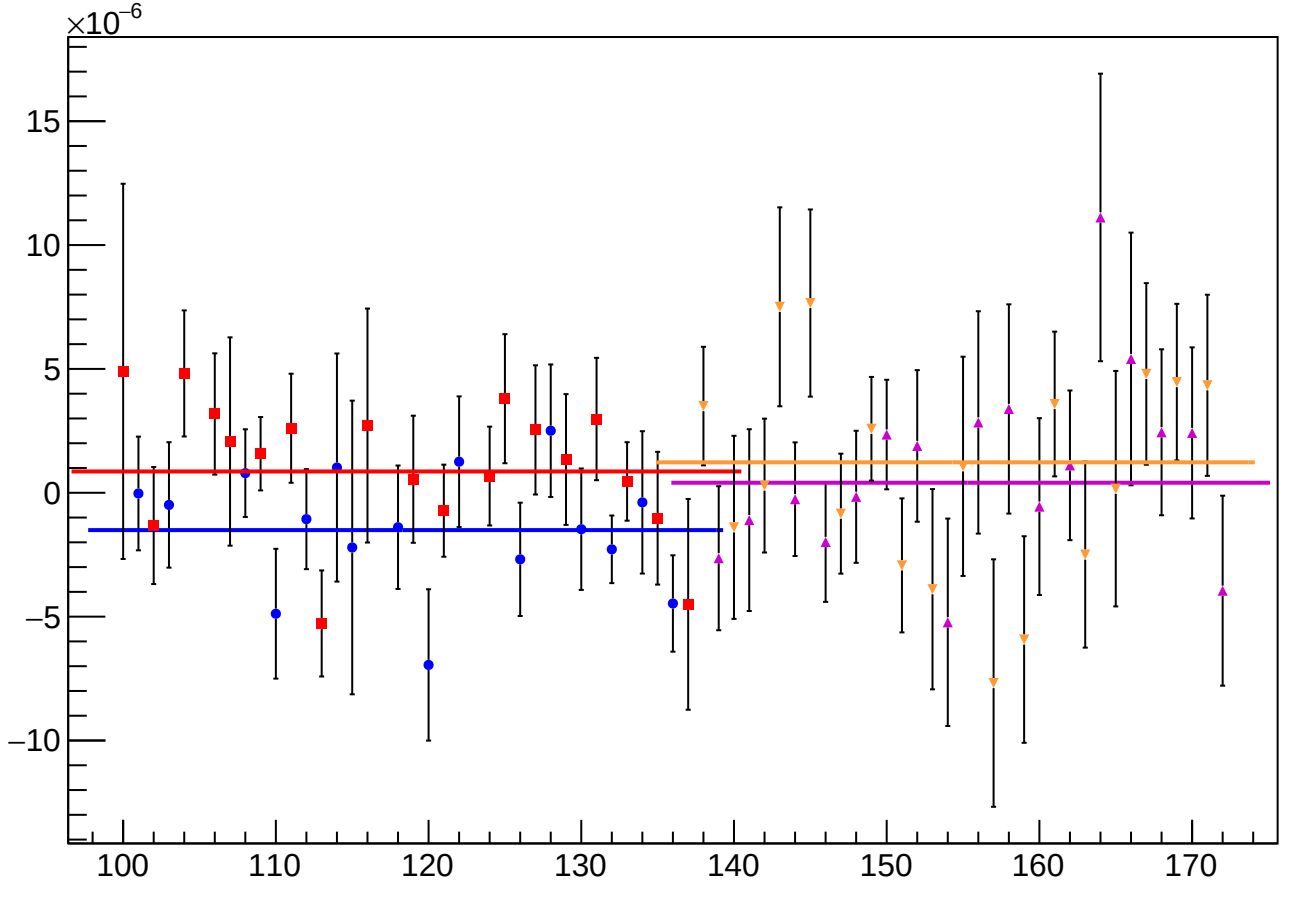
Left: 53.115+/-0.007 χ^2/NDF: 2203273.9/34

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 47.183+/-0.008 χ^2/NDF:3626862.7/32

Out: 44.890+/-0.007 χ^2/NDF:4241395.9/36

All: 45.980+/-0.005 χ^2/NDF: 7914424.0/69



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: 0.000+/-0.000 χ^2/NDF:12.5/16

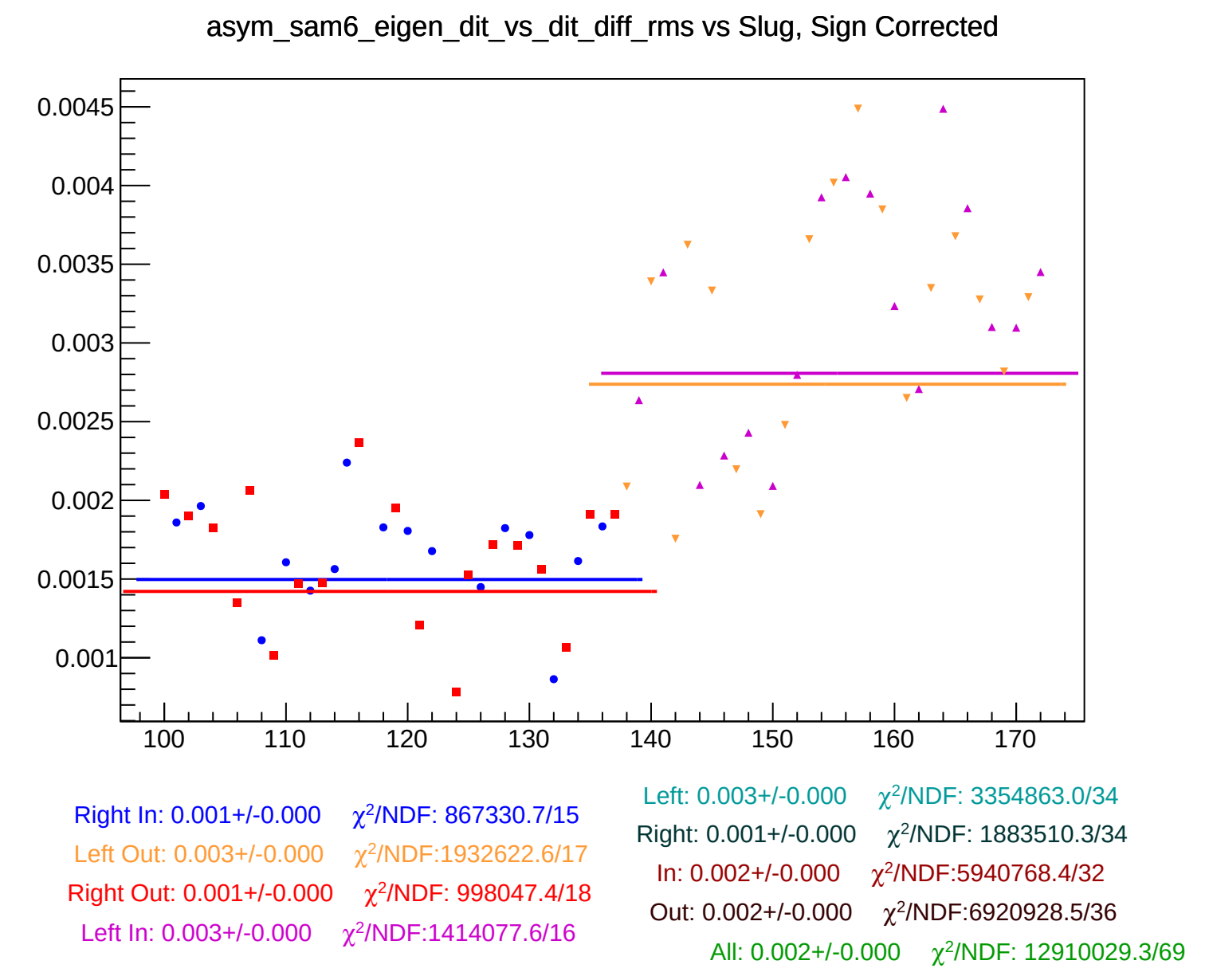
Left: 0.000+/-0.000 χ^2/NDF: 35.6/34

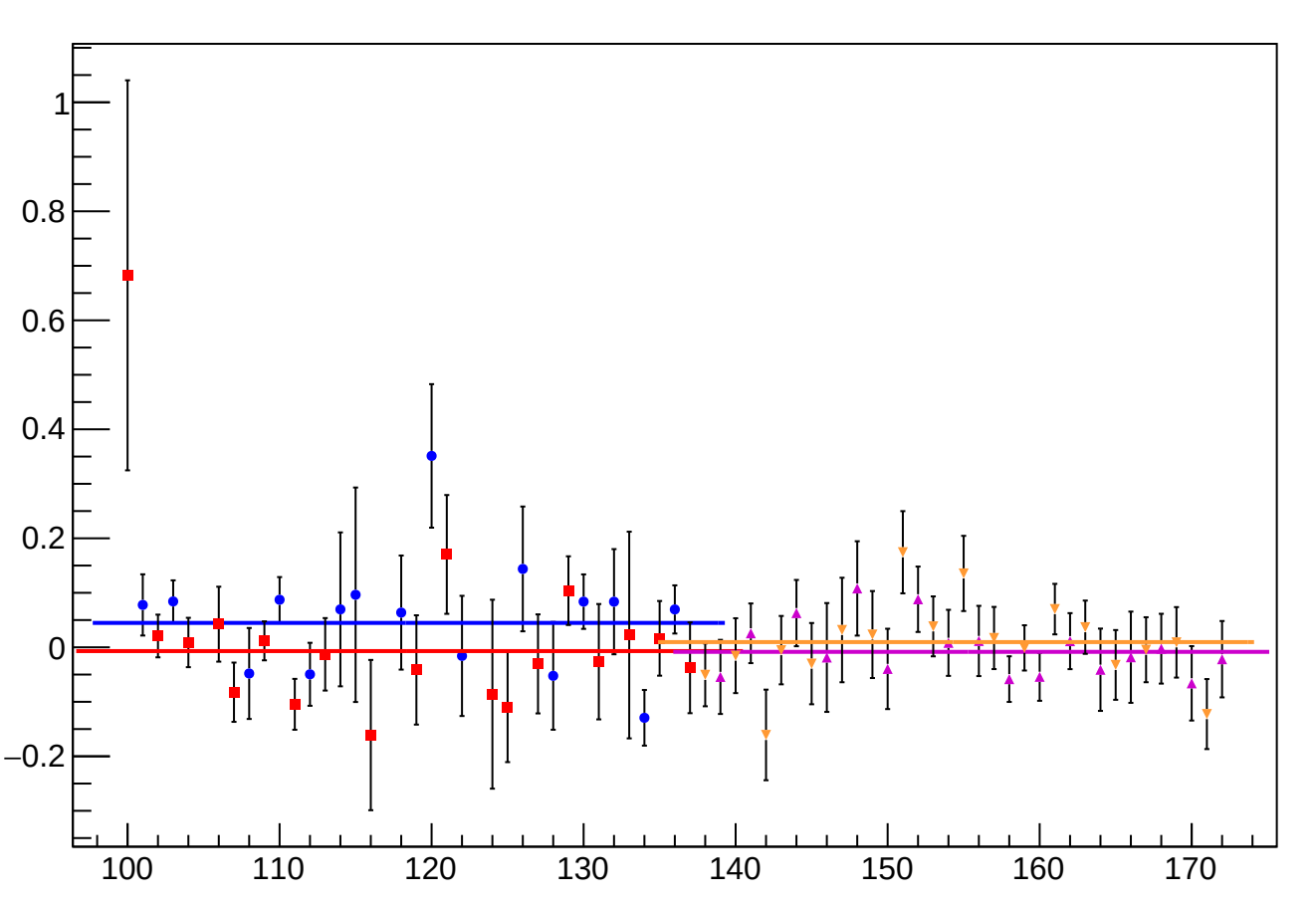
Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:30.3/32

Out: 0.000+/-0.000 χ^2/NDF:41.8/36

All: 0.000+/-0.000 χ^2/NDF: 80.0/69


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:1932622.6/17
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: 3354863.0/34
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:6920928.5/36
All: 0.002+/-0.000 χ²/NDF: 12910029.3/69



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.010+/-0.014 χ^2/NDF:21.0/17

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.008+/-0.015 χ^2/NDF:10.6/16

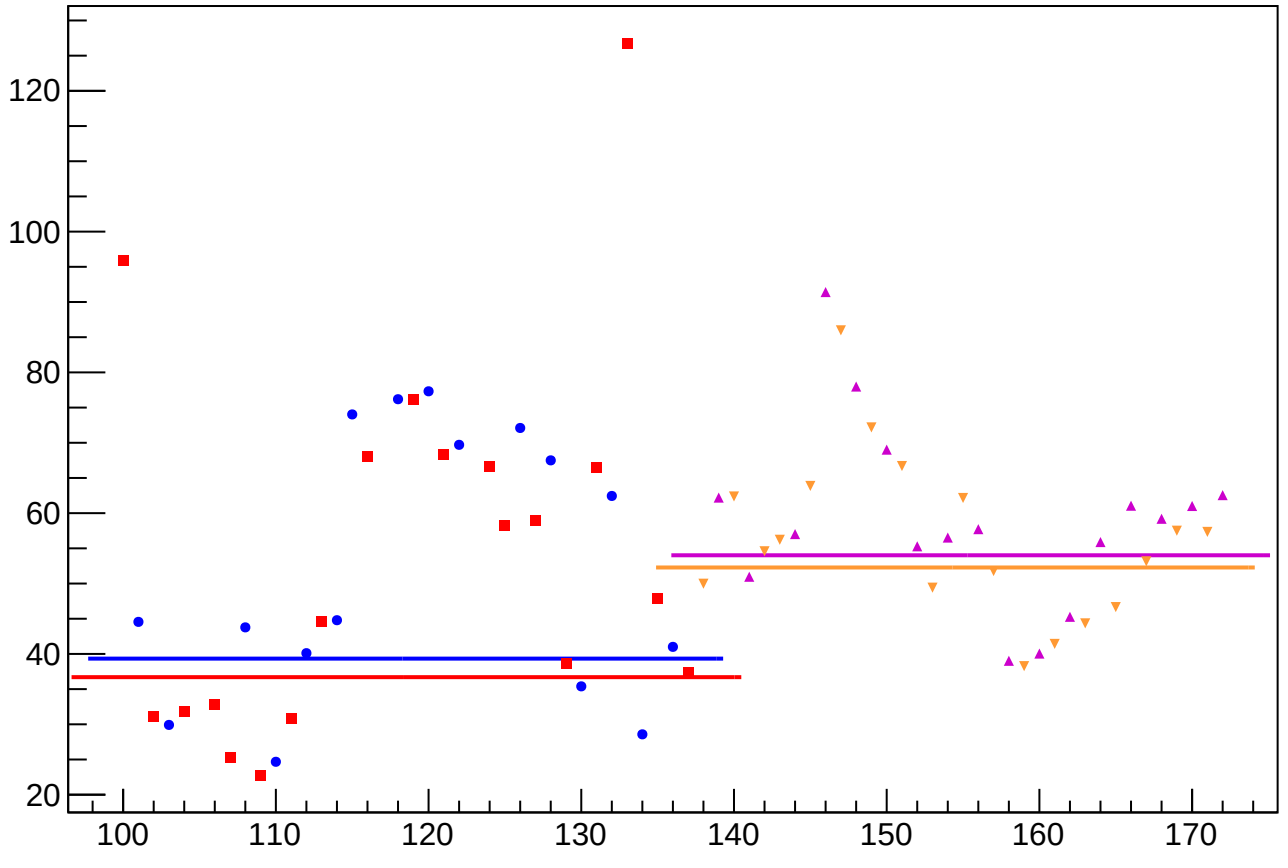
Left: 0.001+/-0.010 χ^2/NDF: 32.4/34

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.016+/-0.011 χ^2/NDF:43.1/32

Out: 0.002+/-0.010 χ^2/NDF:41.8/36

All: 0.009+/-0.008 χ^2/NDF: 85.8/69



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 52.282+/-0.010 χ^2/NDF:1026849.5/17

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: 53.114+/-0.007 χ^2/NDF: 2203485.4/34

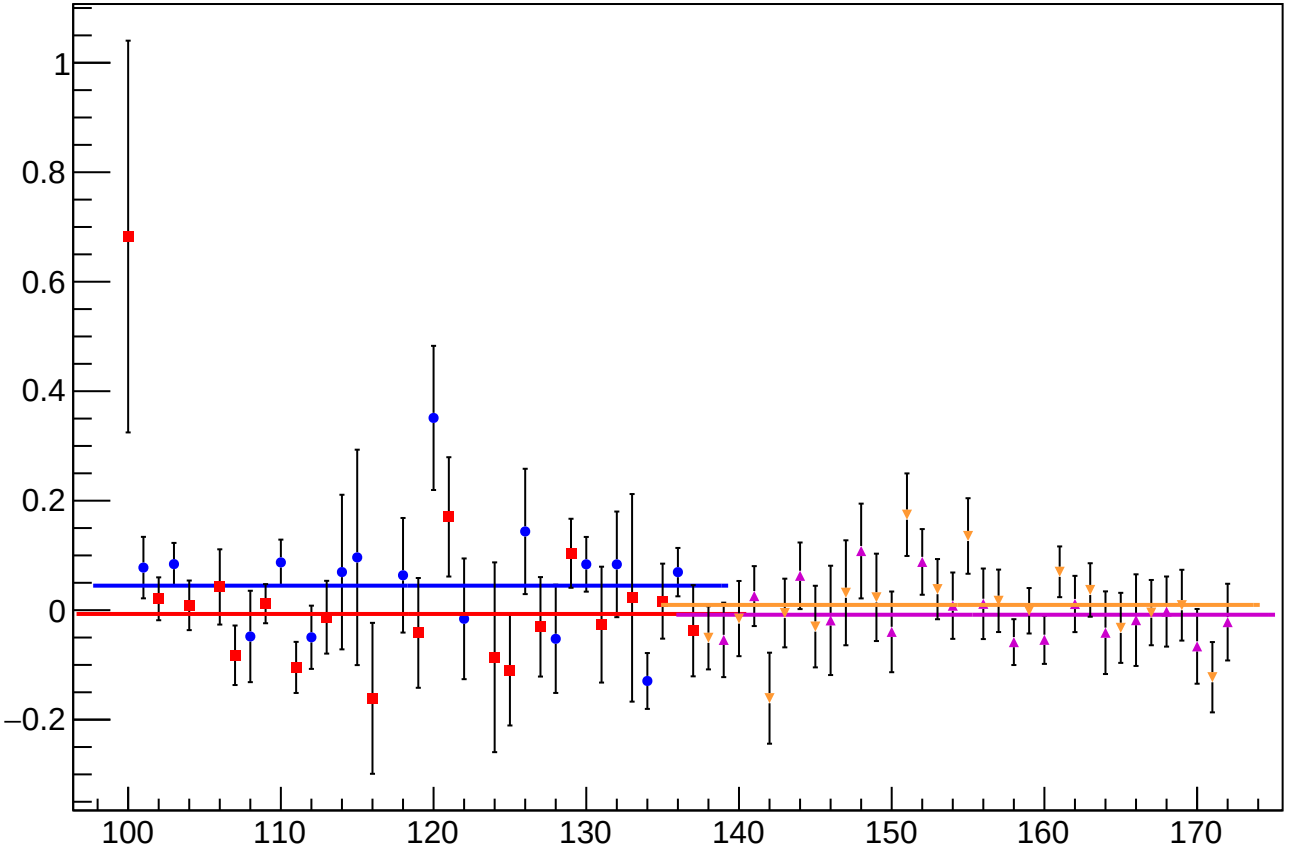
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 47.182+/-0.008 χ^2/NDF:3626963.1/32

Out: 44.889+/-0.007 χ^2/NDF:4241379.0/36

All: 45.979+/-0.005 χ^2/NDF: 7914498.8/69

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: 0.010+/-0.014 χ^2/NDF:21.0/17

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.008+/-0.015 χ^2/NDF:10.6/16

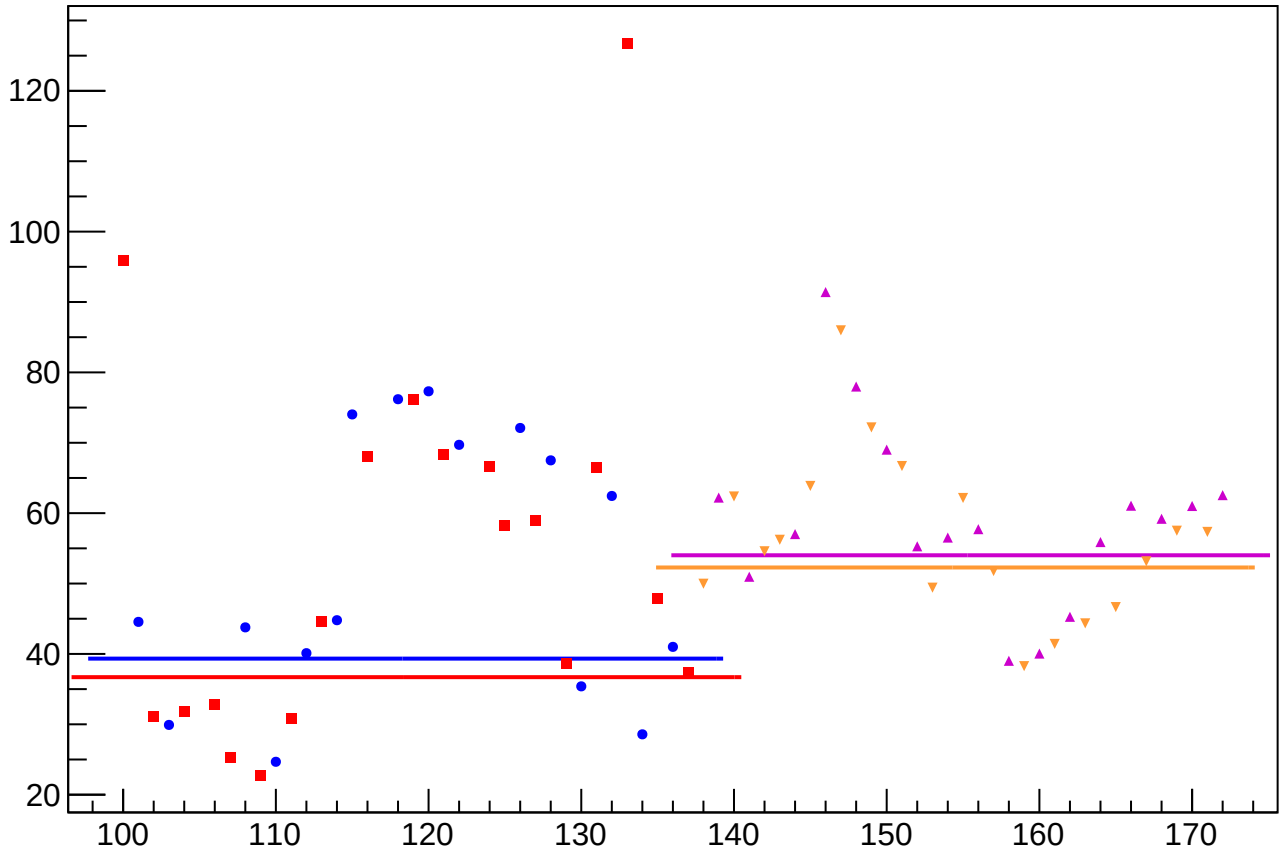
Left: 0.001+/-0.010 χ^2/NDF: 32.4/34

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.016+/-0.011 χ^2/NDF:43.1/32

Out: 0.002+/-0.010 χ^2/NDF:41.8/36

All: 0.009+/-0.008 χ^2/NDF: 85.8/69



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 52.282+/-0.010 χ^2/NDF:1026849.5/17

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 54.016+/-0.011 χ^2/NDF:1162629.7/16

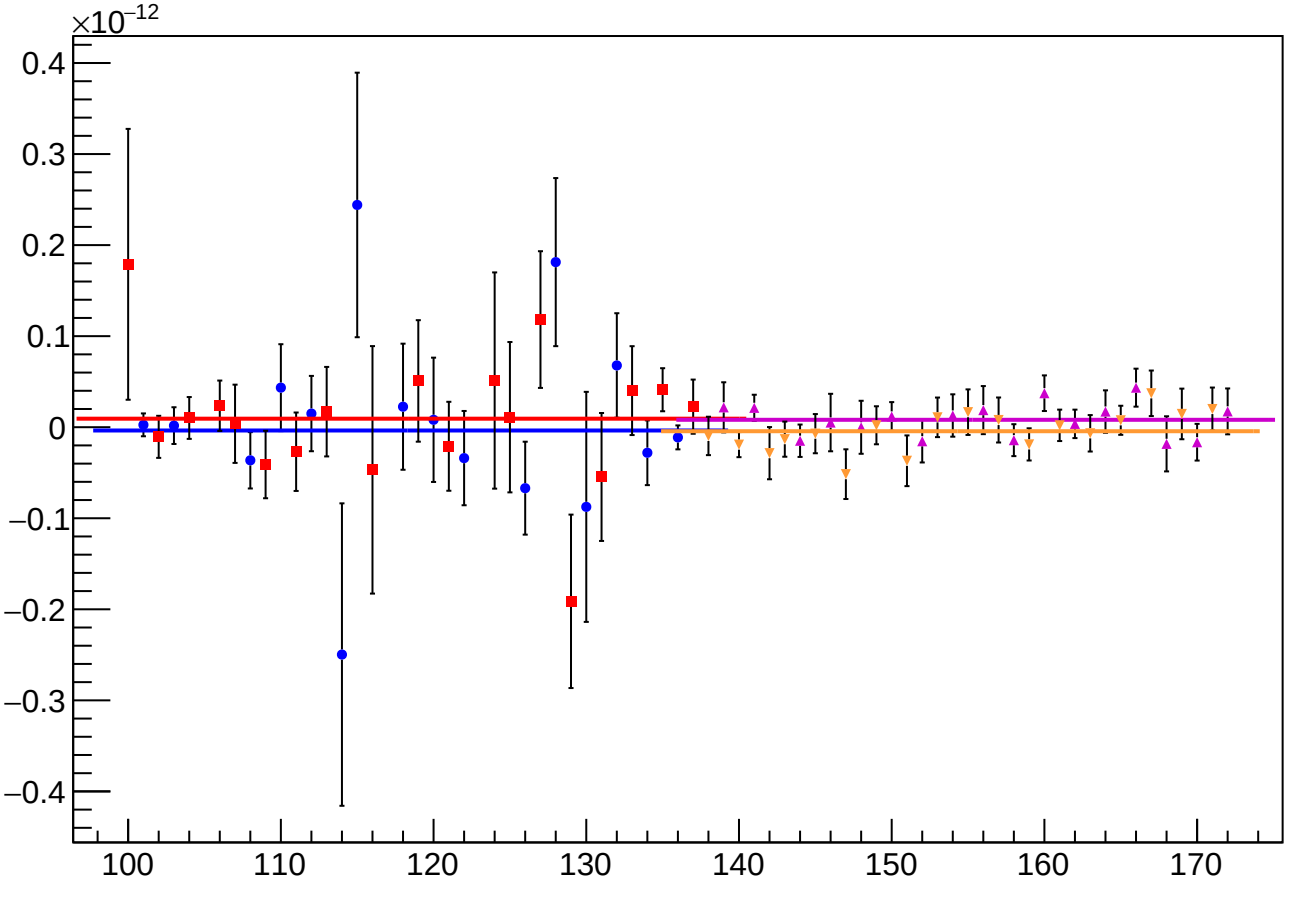
Left: 53.114+/-0.007 χ^2/NDF: 2203485.4/34

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 47.182+/-0.008 χ^2/NDF:3626963.1/32

Out: 44.889+/-0.007 χ^2/NDF:4241379.0/36

All: 45.979+/-0.005 χ^2/NDF: 7914498.8/69



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:13.5/16

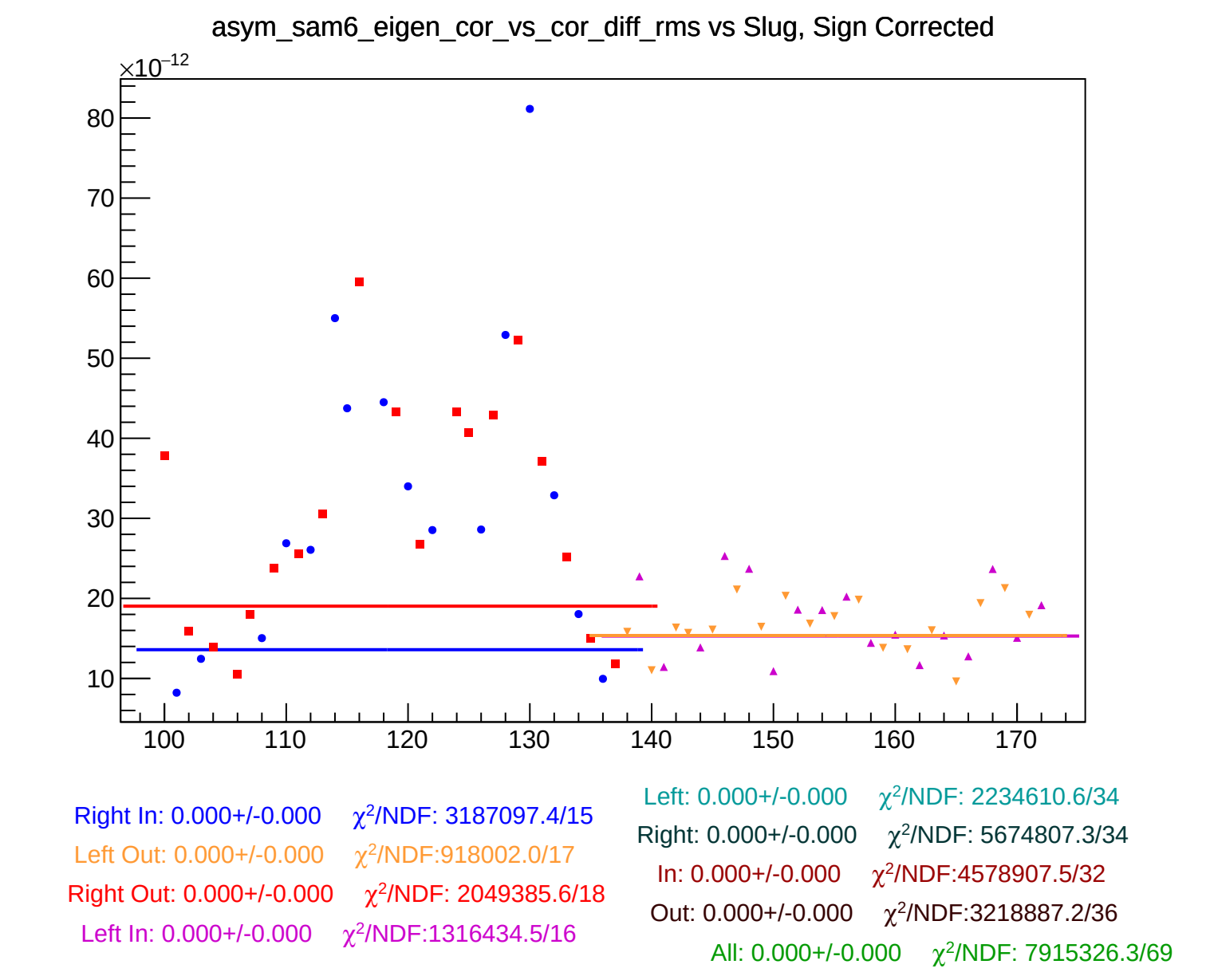
Left: 0.000+/-0.000 χ^2/NDF: 30.4/34

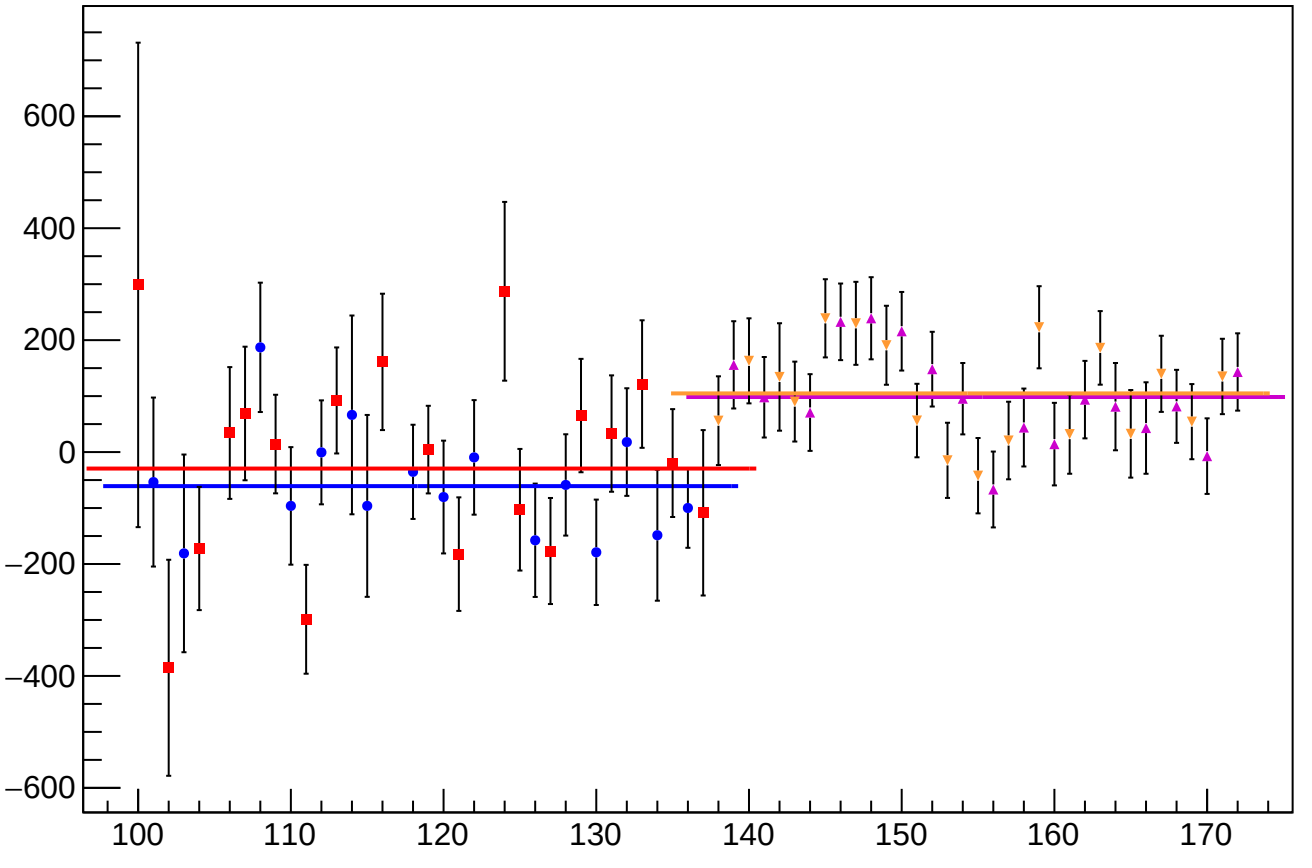
Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:31.8/32

Out: -0.000+/-0.000 χ^2/NDF:31.2/36

All: 0.000+/-0.000 χ^2/NDF: 63.9/69


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:918002.0/17
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: 2234610.6/34
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:3218887.2/36
All: 0.000+/-0.000 χ²/NDF: 7915326.3/69



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.822+/-16.795 χ^2/NDF:26.2/17

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: 101.658+/-11.967 χ^2/NDF: 49.1/34

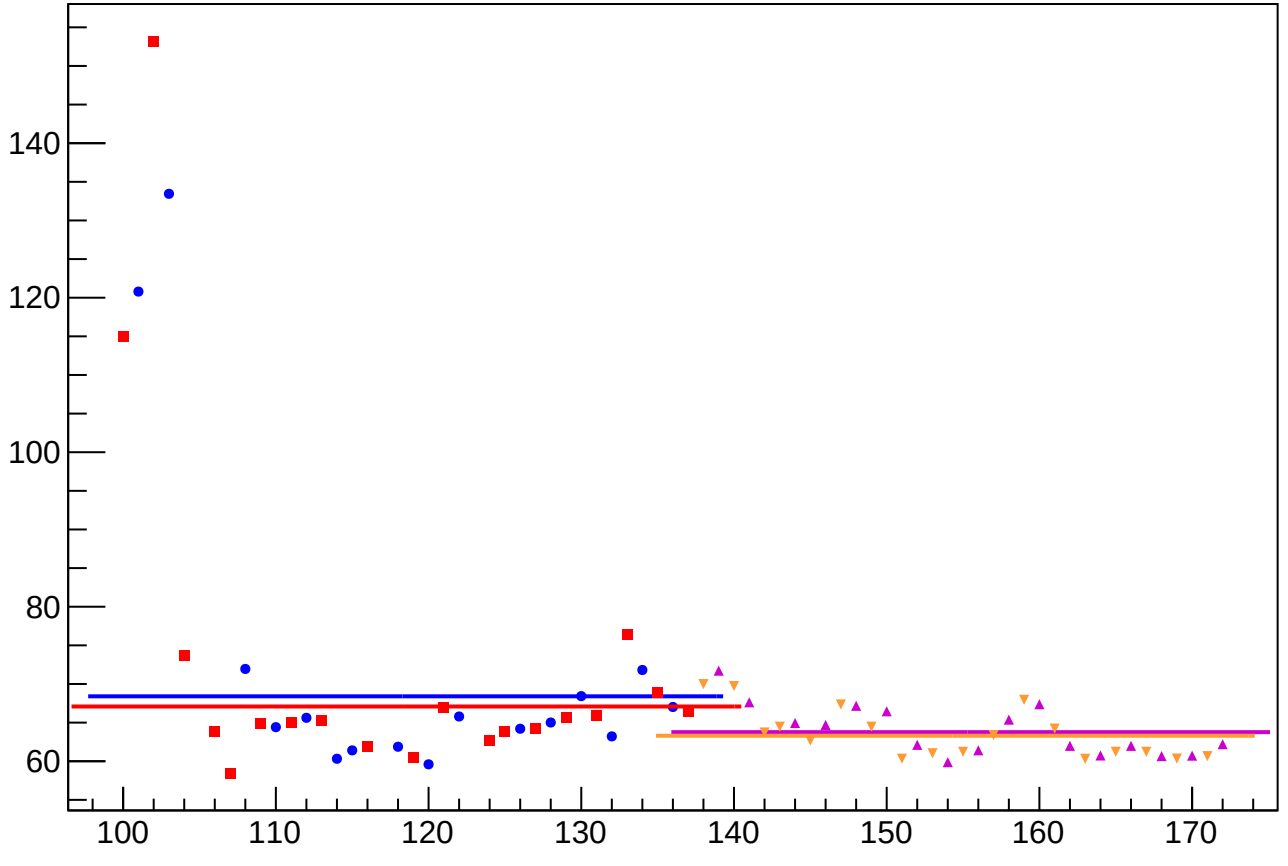
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 50.621+/-14.270 χ^2/NDF:59.6/32

Out: 63.308+/-13.959 χ^2/NDF:77.1/36

All: 57.104+/-9.979 χ^2/NDF: 137.1/69

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 63.300+/-0.012 χ^2/NDF:66737.5/17

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 63.766+/-0.012 χ^2/NDF:66617.2/16

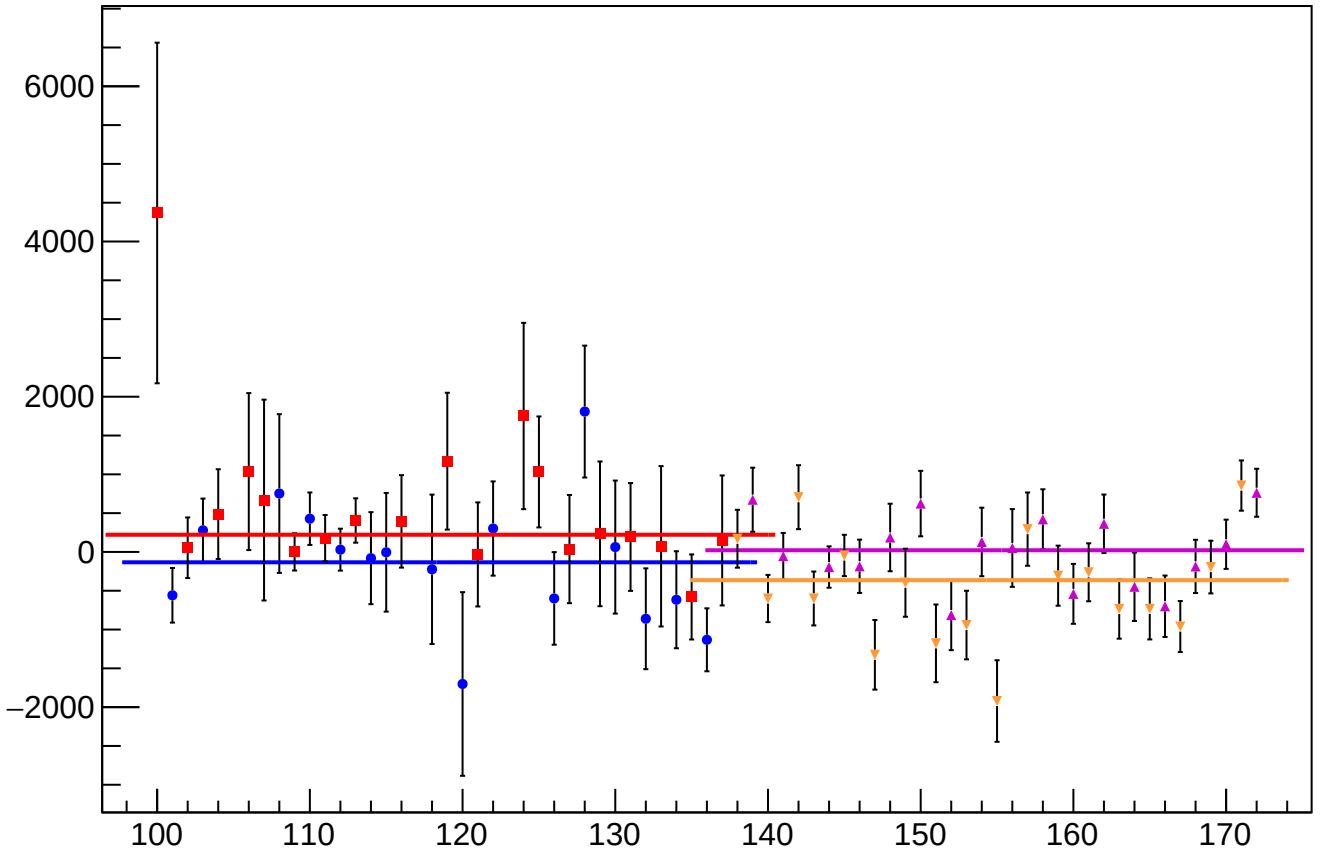
Left: 63.529+/-0.008 χ^2/NDF: 134112.4/34

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 65.157+/-0.010 χ^2/NDF:680528.4/32

Out: 64.470+/-0.010 χ^2/NDF:579969.9/36

All: 64.806+/-0.007 χ^2/NDF: 1262865.1/69



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -363.494+/-88.288 χ^2/NDF:50.6/17

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: 21.854+/-89.292 χ^2/NDF:23.9/16

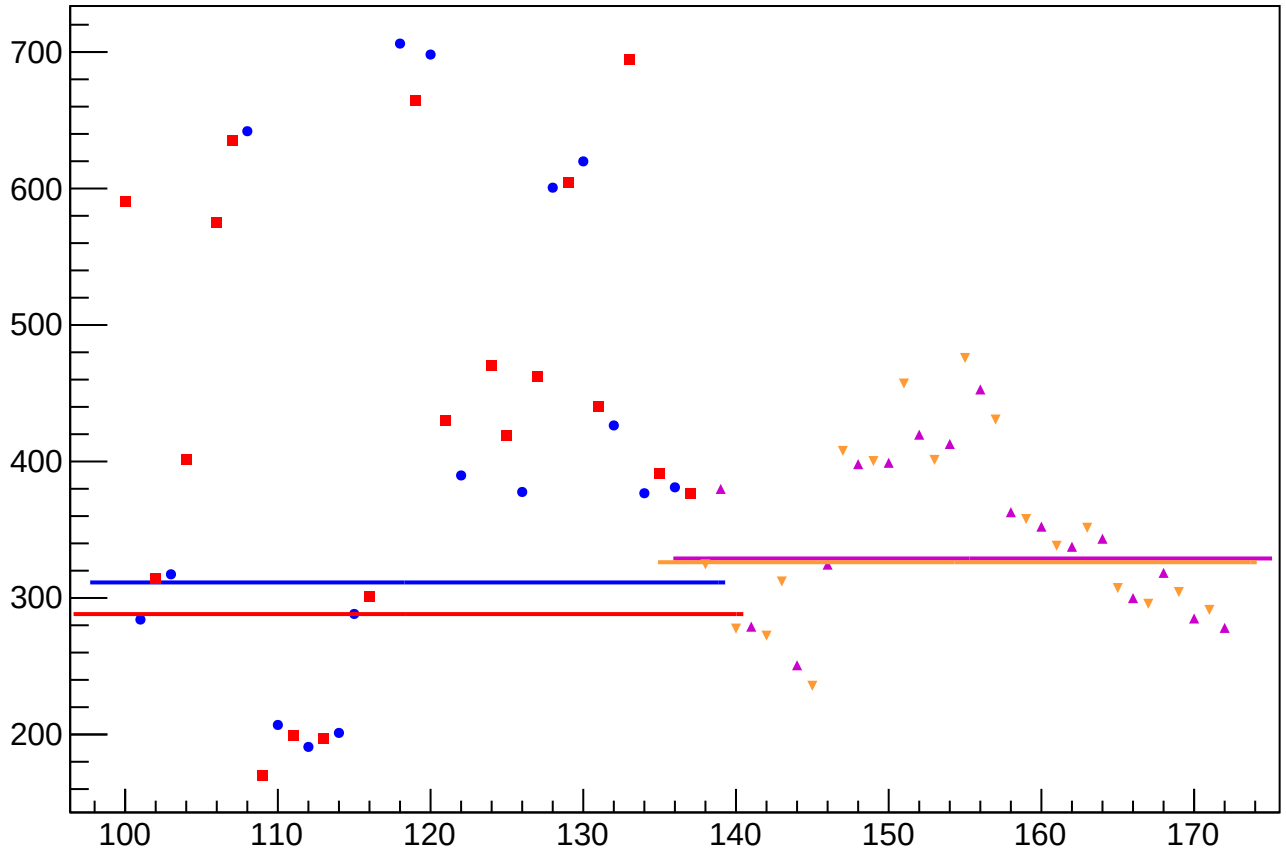
Left: -172.999+/-62.781 χ^2/NDF: 83.9/34

Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -30.166+/-72.834 χ^2/NDF:47.3/32

Out: -153.108+/-70.645 χ^2/NDF:78.9/36

All: -93.513+/-50.710 χ^2/NDF: 127.7/69



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 326.204+/-0.062 χ^2/NDF:975160.0/17

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 328.952+/-0.063 χ^2/NDF:770864.0/16

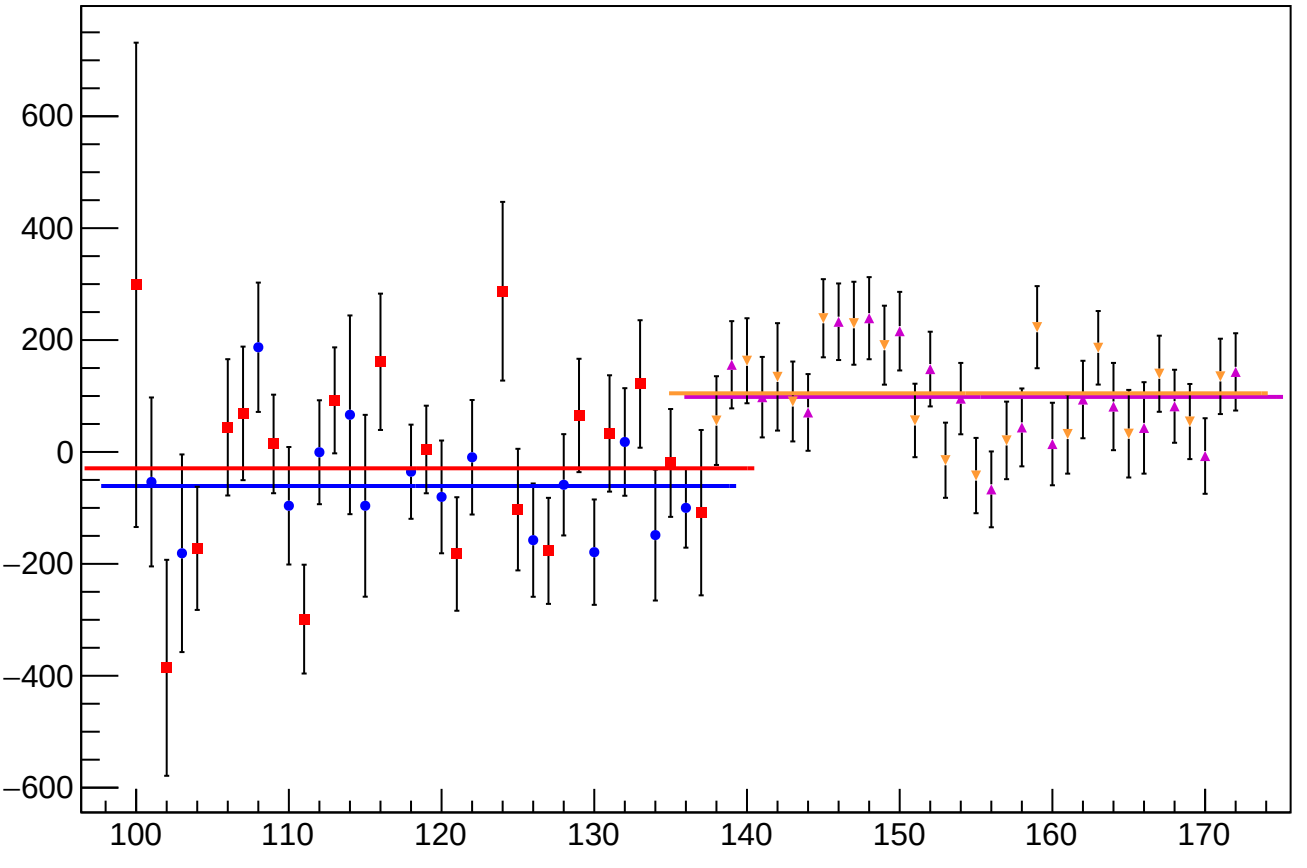
Left: 327.562+/-0.044 χ^2/NDF: 1746981.9/34

Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 323.073+/-0.052 χ^2/NDF:2920562.7/32

Out: 312.534+/-0.050 χ^2/NDF:3823818.5/36

All: 317.643+/-0.036 χ^2/NDF: 6765960.0/69



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.822+/-16.795 χ^2/NDF:26.2/17

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: 101.657+/-11.967 χ^2/NDF: 49.1/34

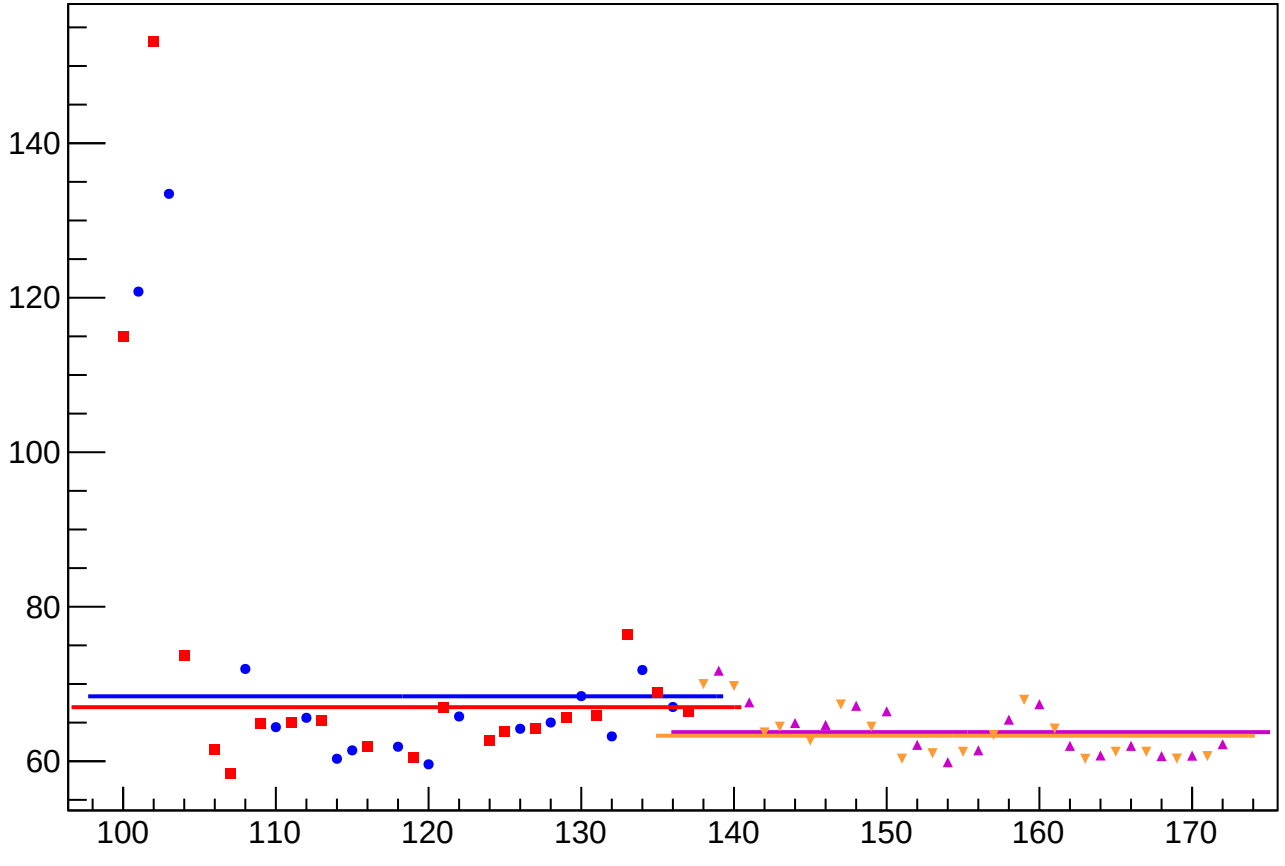
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 50.619+/-14.270 χ^2/NDF:59.6/32

Out: 63.465+/-13.966 χ^2/NDF:77.1/36

All: 57.181+/-9.981 χ^2/NDF: 137.1/69

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.300+/-0.012 χ^2/NDF:66737.5/17

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 63.766+/-0.012 χ^2/NDF:66617.2/16

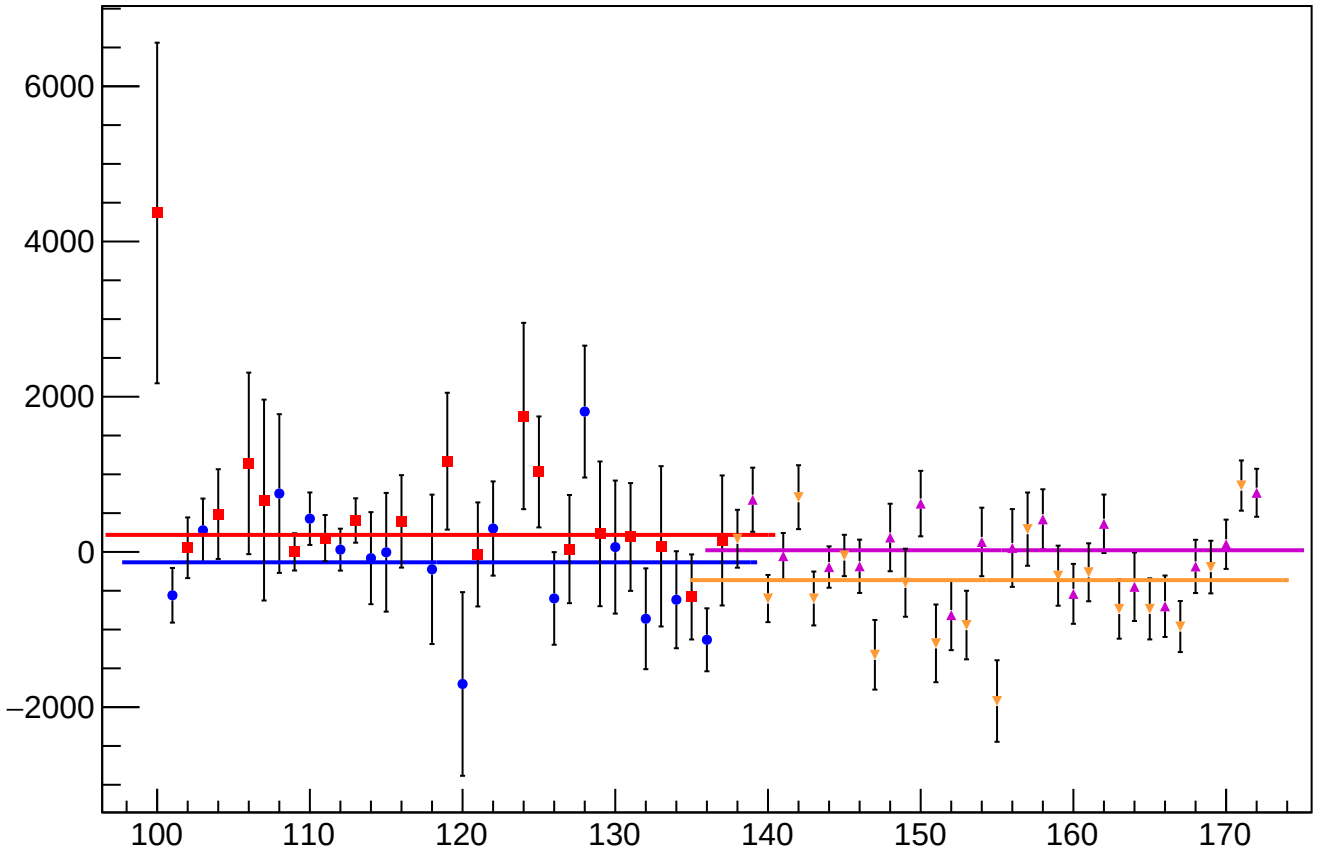
Left: 63.529+/-0.008 χ^2/NDF: 134112.4/34

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.157+/-0.010 χ^2/NDF:680528.8/32

Out: 64.440+/-0.010 χ^2/NDF:581086.6/36

All: 64.791+/-0.007 χ^2/NDF: 1264196.1/69



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -363.493+/-88.288 χ^2/NDF:50.6/17

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: -173.002+/-62.781 χ^2/NDF: 83.9/34

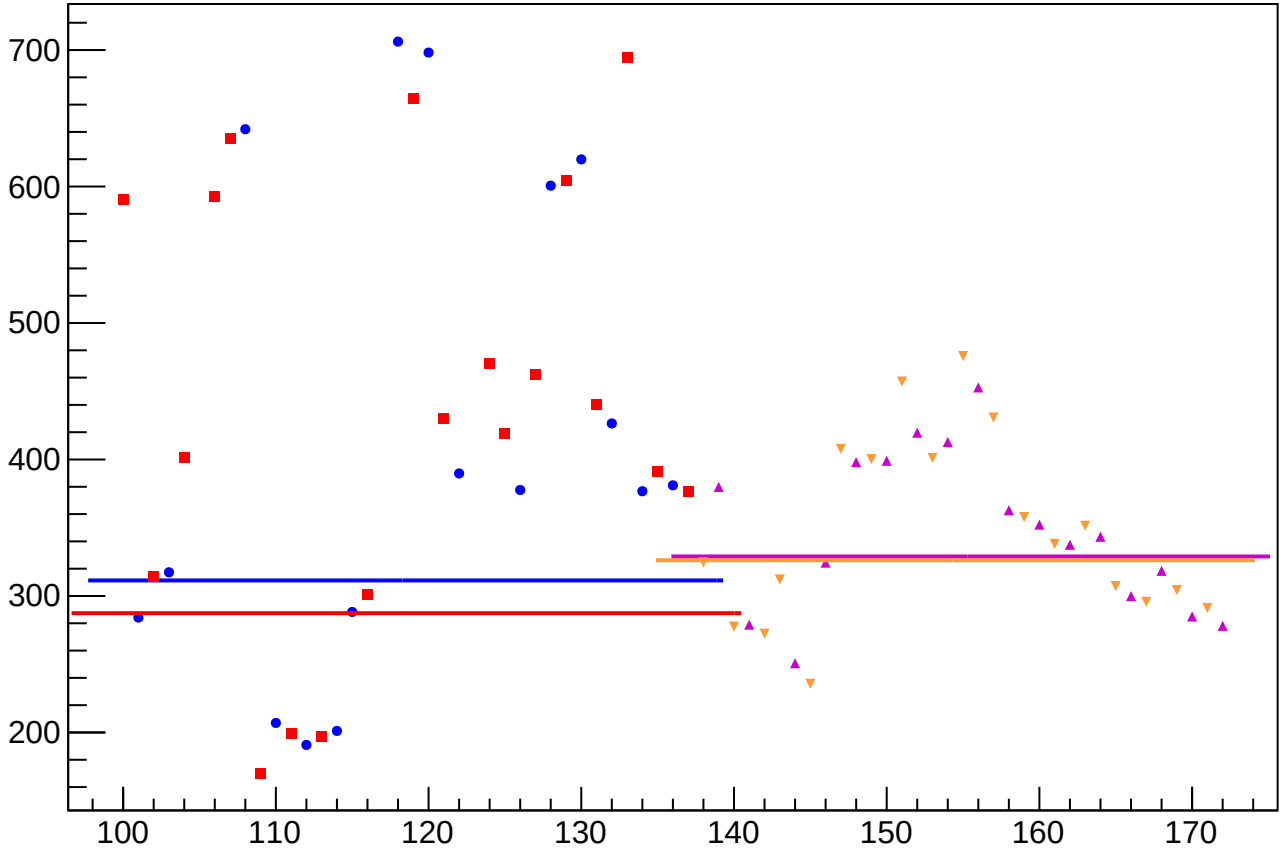
Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -30.169+/-72.835 χ^2/NDF:47.3/32

Out: -154.194+/-70.689 χ^2/NDF:78.8/36

All: -94.035+/-50.726 χ^2/NDF: 127.6/69

asym_sam7_cor_correction_rms vs Slug, Sign Corrected



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 326.203+/-0.062 χ^2/NDF:975164.4/17

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 328.952+/-0.063 χ^2/NDF:770867.6/16

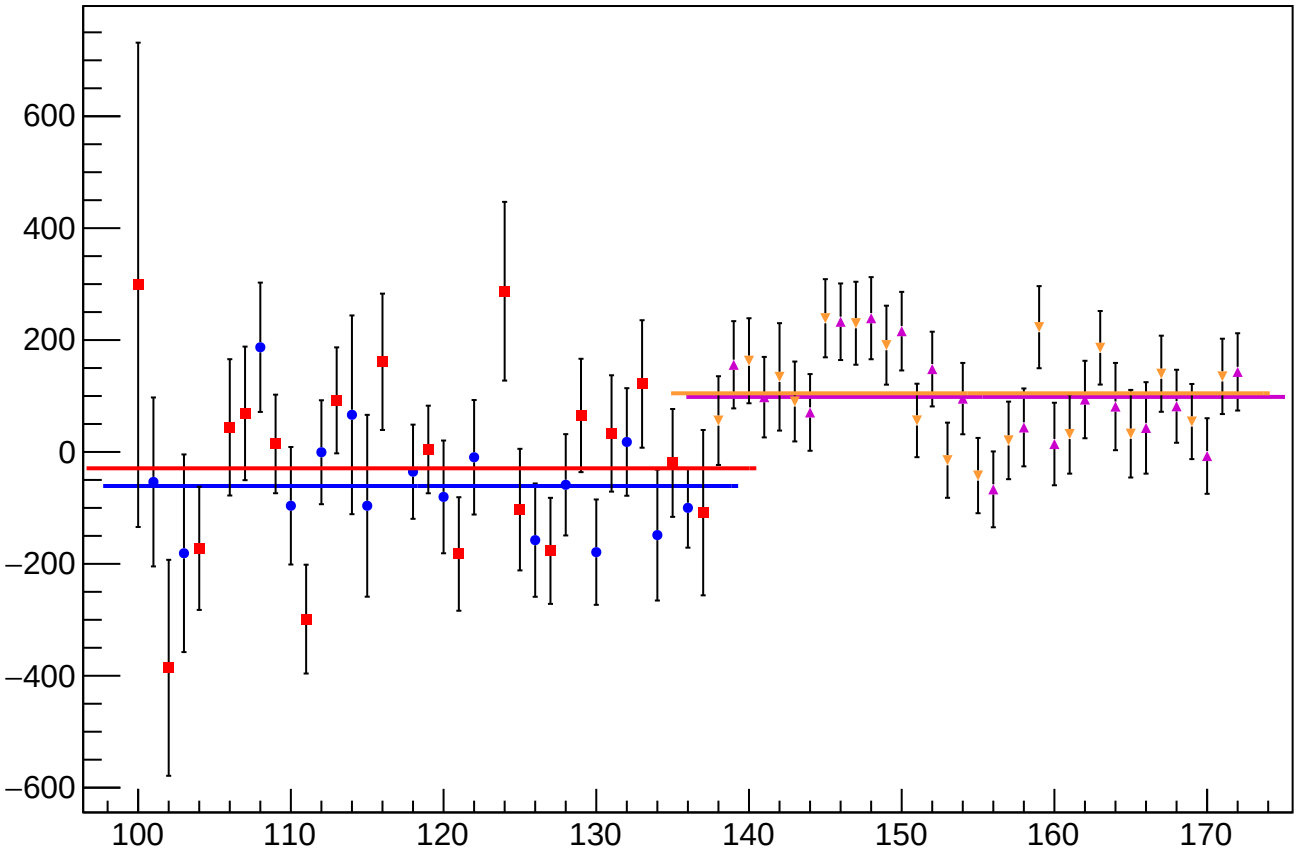
Left: 327.562+/-0.044 χ^2/NDF: 1746989.9/34

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 323.074+/-0.052 χ^2/NDF:2920561.6/32

Out: 312.280+/-0.050 χ^2/NDF:3803998.9/36

All: 317.516+/-0.036 χ^2/NDF: 6747179.0/69



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 104.822+/-16.795 χ^2/NDF:26.2/17

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: 101.657+/-11.967 χ^2/NDF: 49.1/34

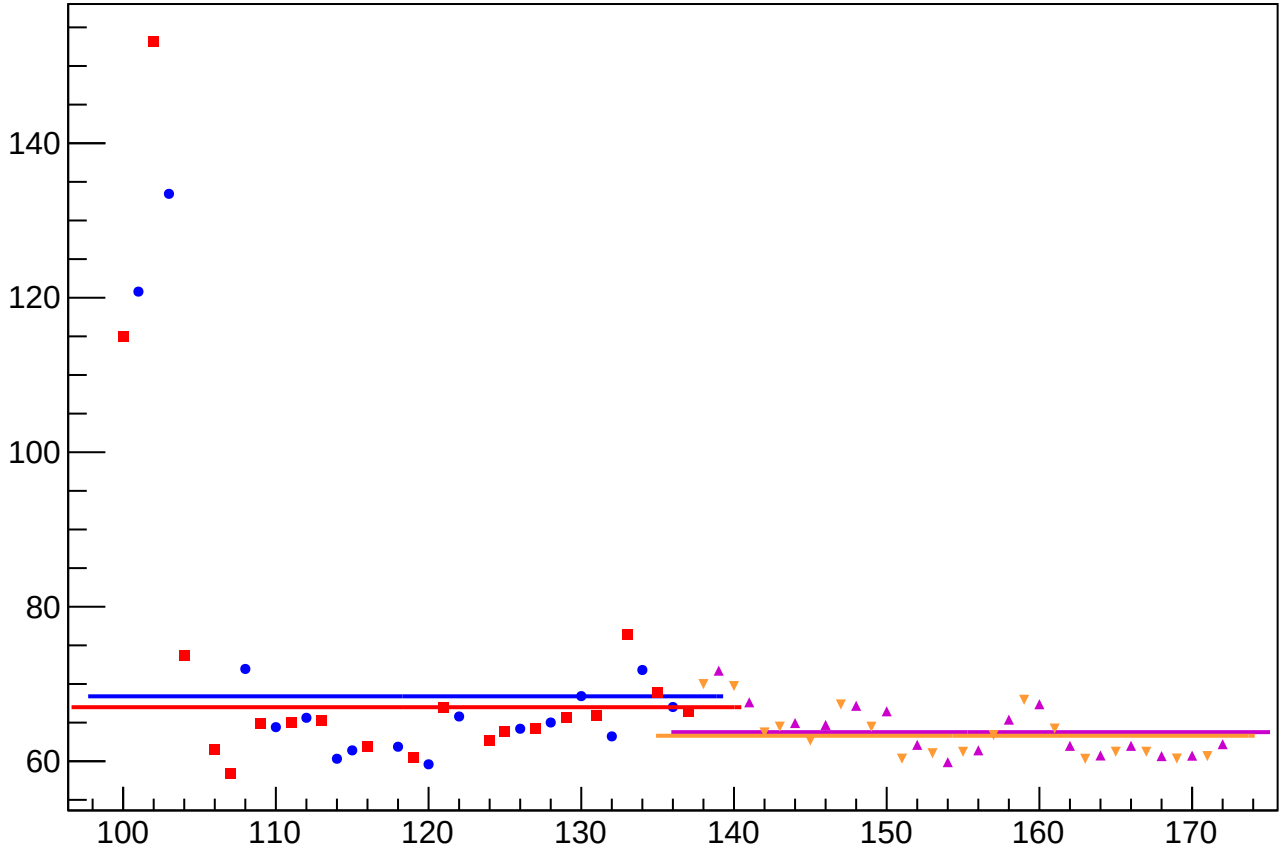
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 50.619+/-14.270 χ^2/NDF:59.6/32

Out: 63.465+/-13.966 χ^2/NDF:77.1/36

All: 57.181+/-9.981 χ^2/NDF: 137.1/69

eigen_cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.300+/-0.012 χ^2/NDF:66737.5/17

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: 63.529+/-0.008 χ^2/NDF: 134112.4/34

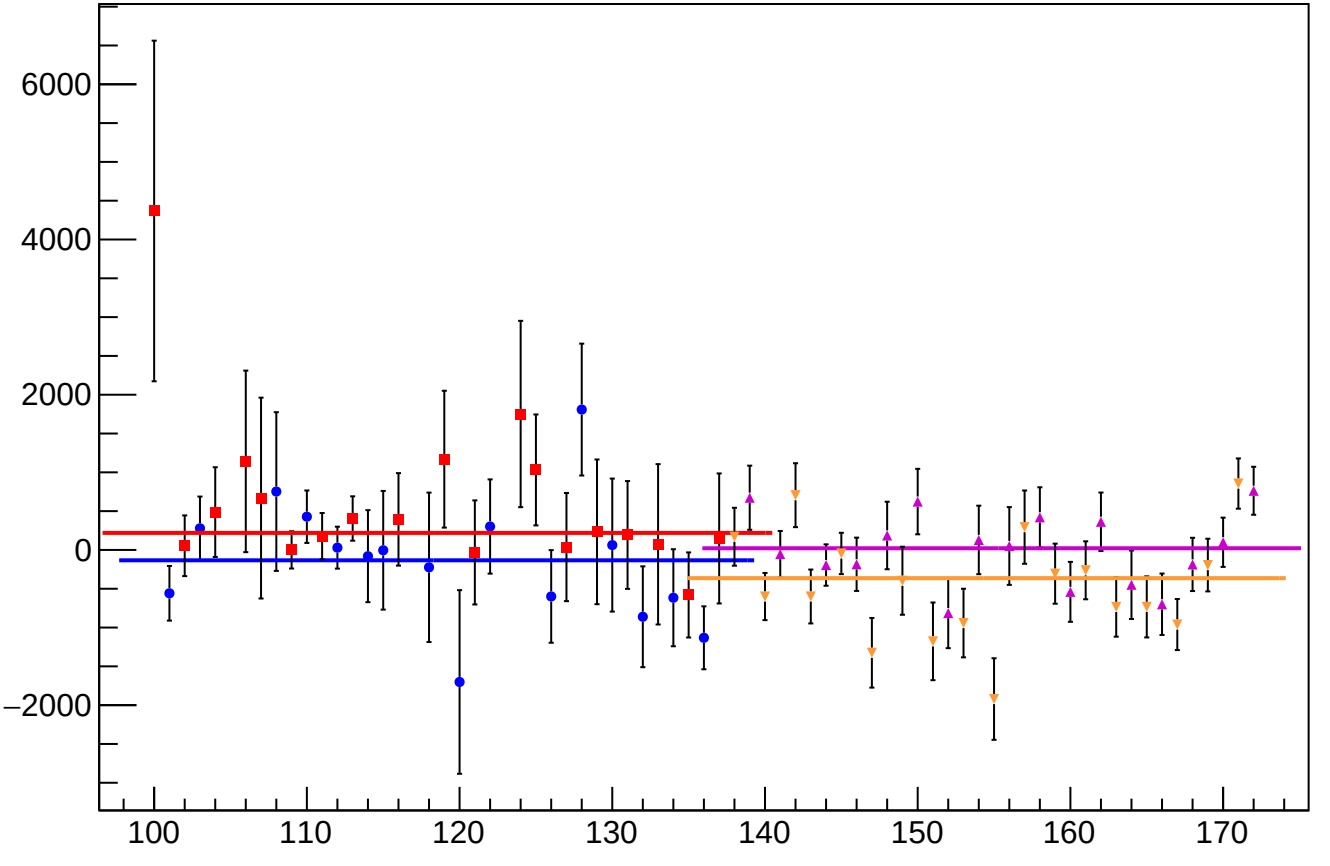
Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.157+/-0.010 χ^2/NDF:680528.8/32

Out: 64.440+/-0.010 χ^2/NDF:581086.6/36

All: 64.791+/-0.007 χ^2/NDF: 1264196.1/69

asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -363.493+/-88.288 χ^2/NDF:50.6/17

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: -173.002+/-62.781 χ^2/NDF: 83.9/34

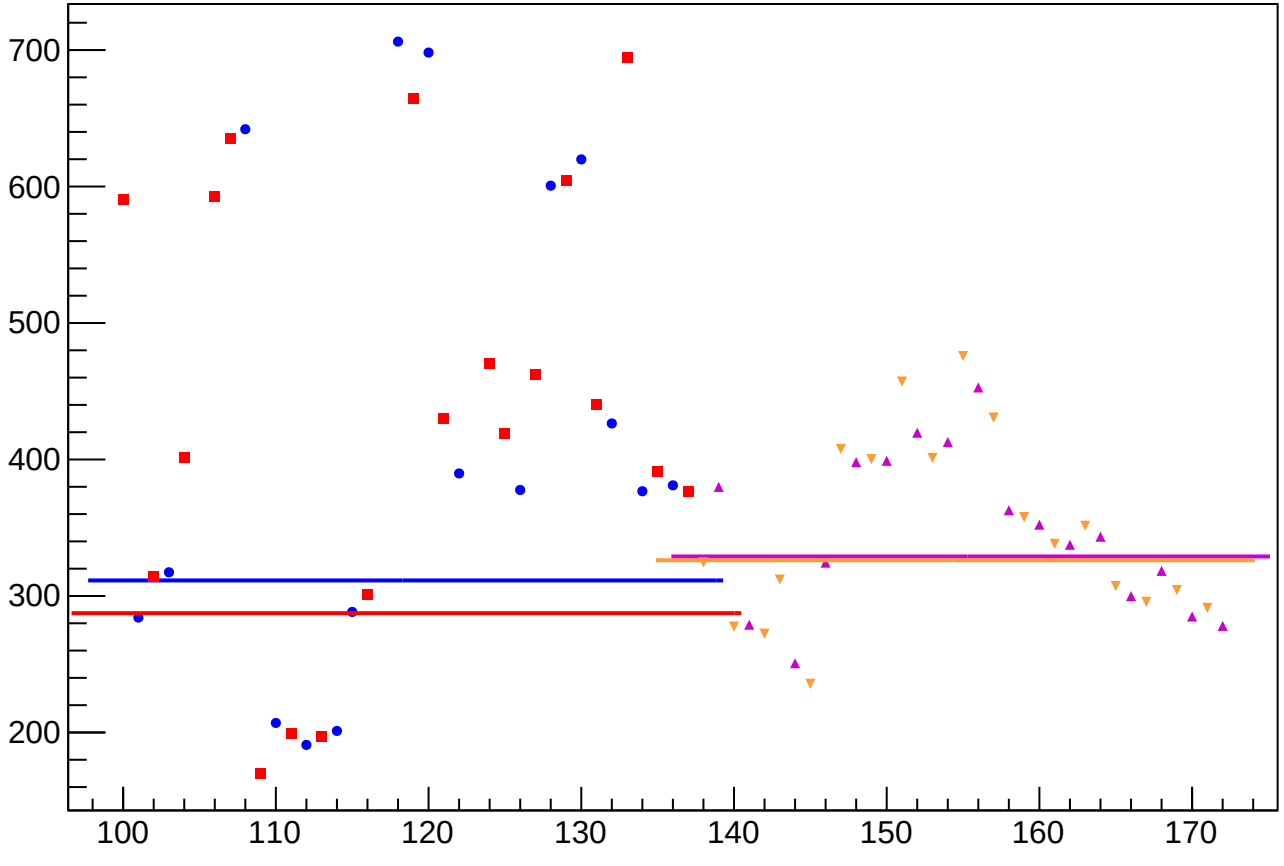
Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -30.169+/-72.835 χ^2/NDF:47.3/32

Out: -154.194+/-70.689 χ^2/NDF:78.8/36

All: -94.035+/-50.726 χ^2/NDF: 127.6/69

asym_sam7_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 326.203+/-0.062 χ^2/NDF:975164.4/17

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: 327.562+/-0.044 χ^2/NDF: 1746989.9/34

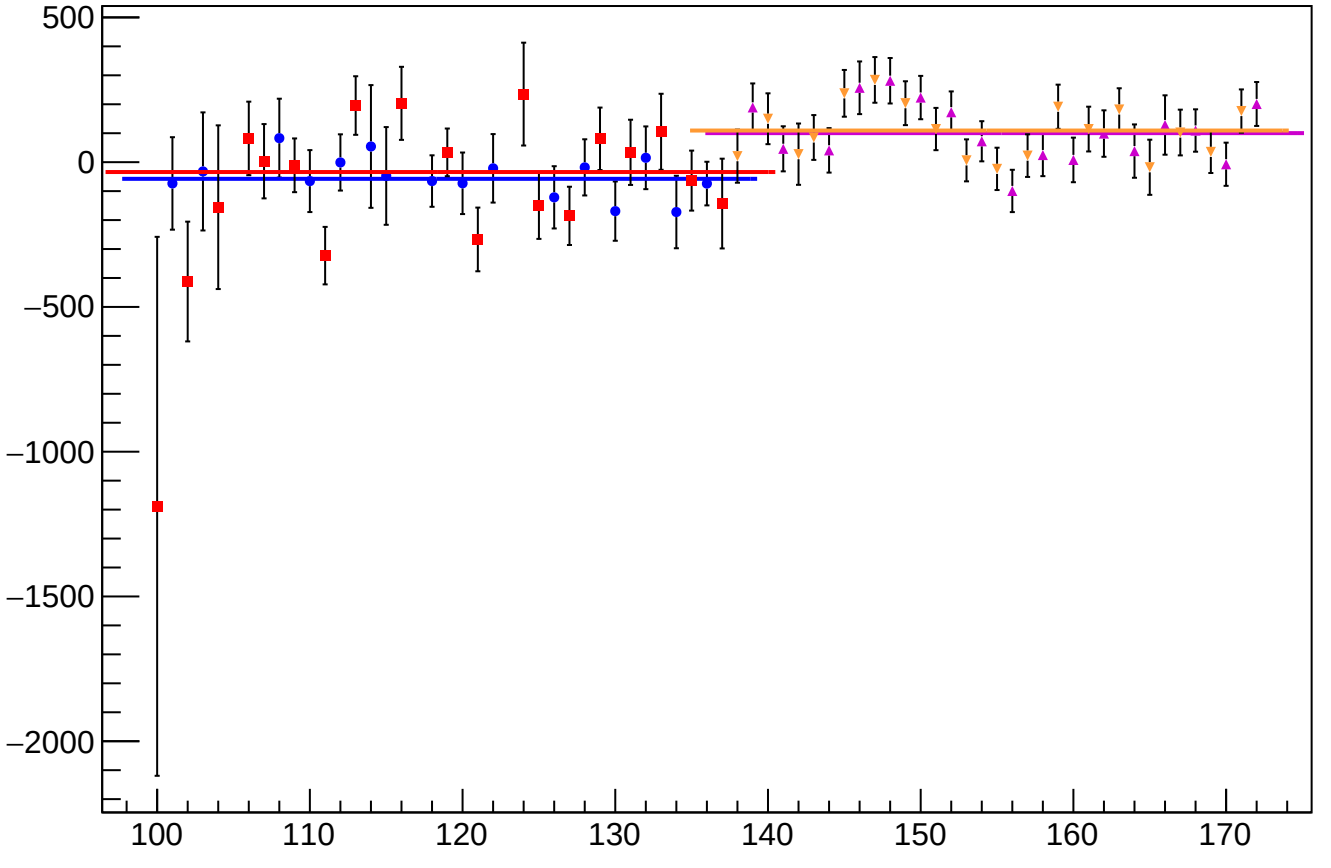
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 323.074+/-0.052 χ^2/NDF:2920561.6/32

Out: 312.280+/-0.050 χ^2/NDF:3803998.9/36

All: 317.516+/-0.036 χ^2/NDF: 6747179.0/69

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 109.260+/-18.553 χ^2/NDF:23.3/17

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: 104.878+/-13.244 χ^2/NDF: 52.2/34

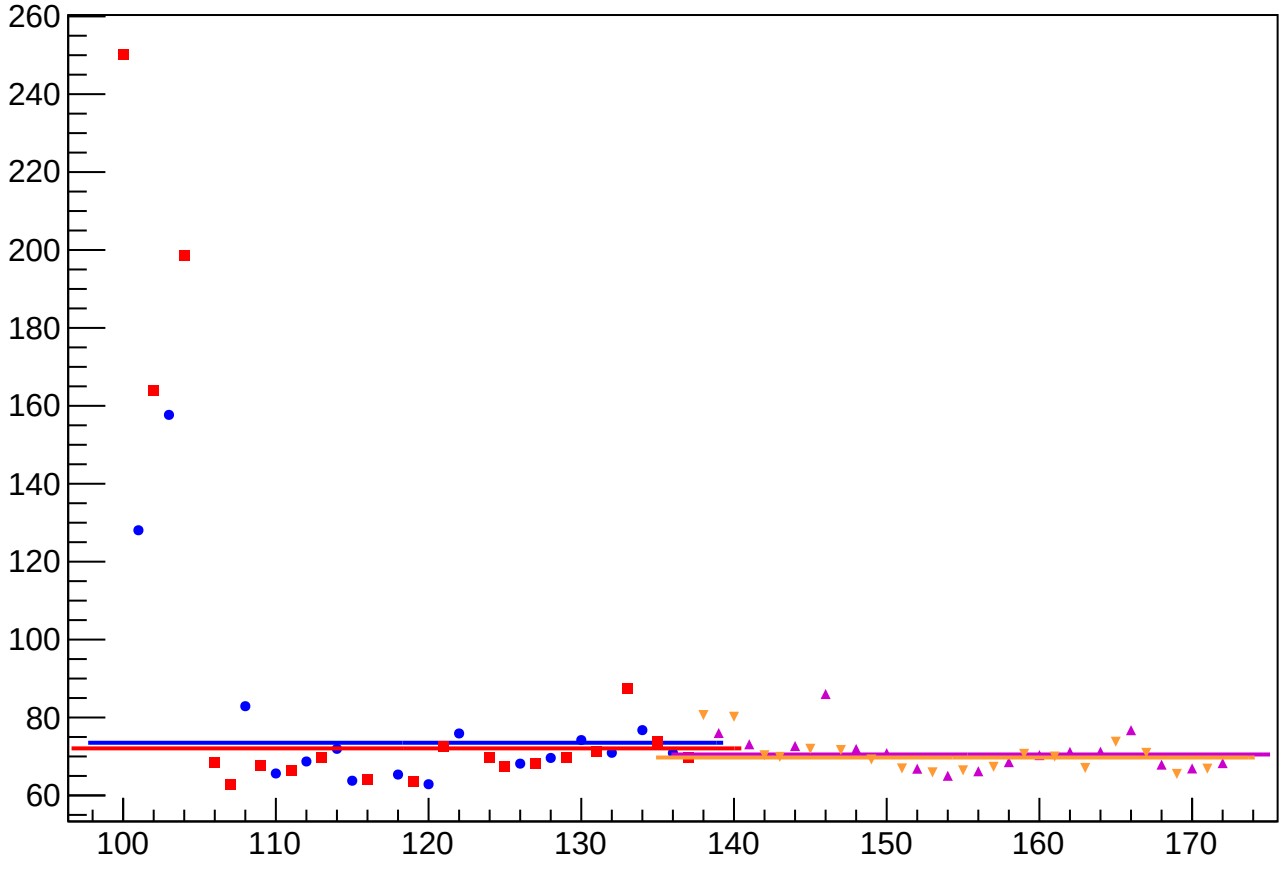
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 51.081+/-15.687 χ^2/NDF:55.4/32

Out: 64.211+/-15.362 χ^2/NDF:79.2/36

All: 57.784+/-10.976 χ^2/NDF: 134.9/69

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 69.734+/-0.013 χ^2/NDF:90770.3/17

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 70.509+/-0.013 χ^2/NDF:114103.2/16

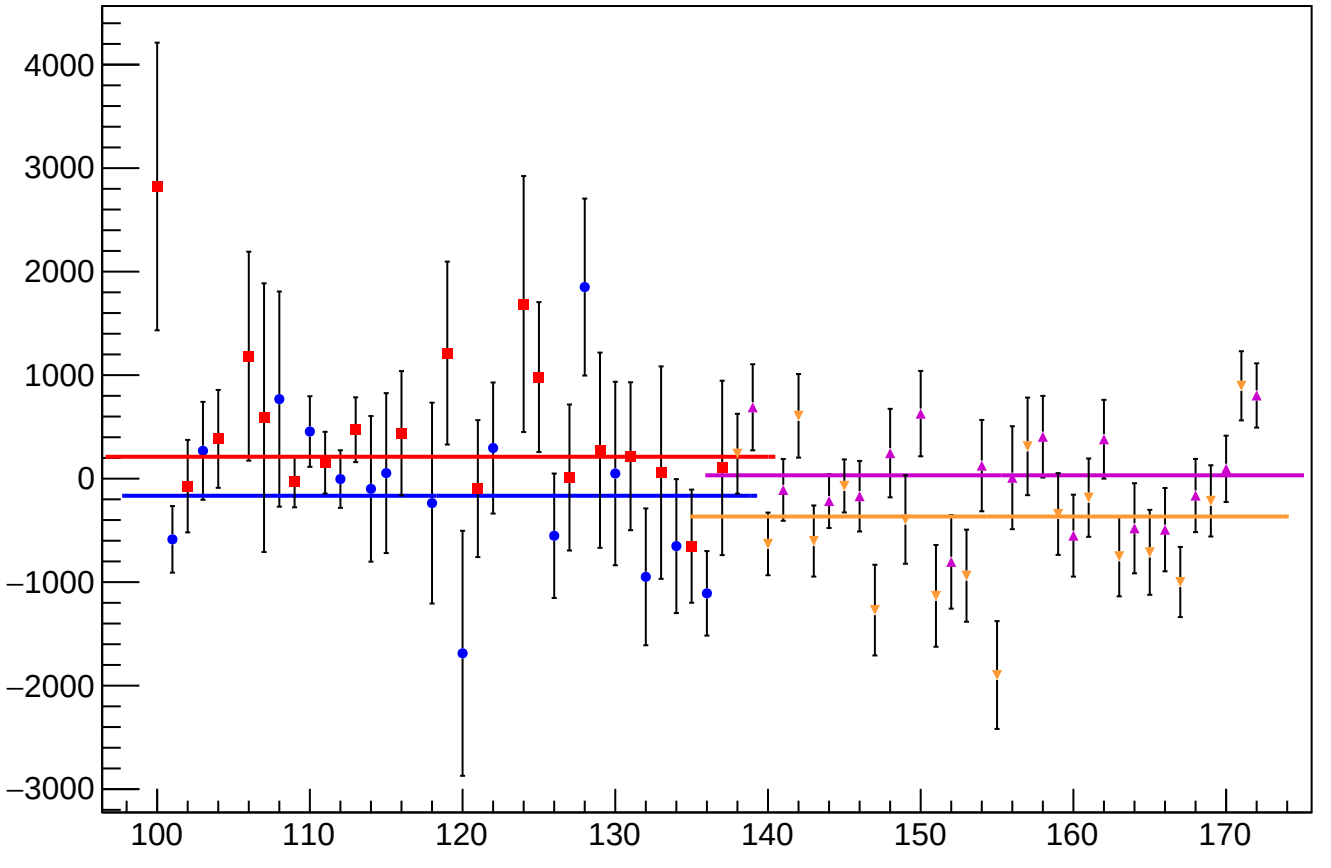
Left: 70.114+/-0.009 χ^2/NDF: 206581.8/34

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 71.448+/-0.011 χ^2/NDF:786759.9/32

Out: 70.470+/-0.011 χ^2/NDF:1059264.9/36

All: 70.949+/-0.008 χ^2/NDF: 1849991.6/69



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -365.788+/-88.520 χ^2/NDF:49.8/17

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: 32.143+/-89.423 χ^2/NDF:23.3/16

Left: -168.840+/-62.910 χ^2/NDF: 83.1/34

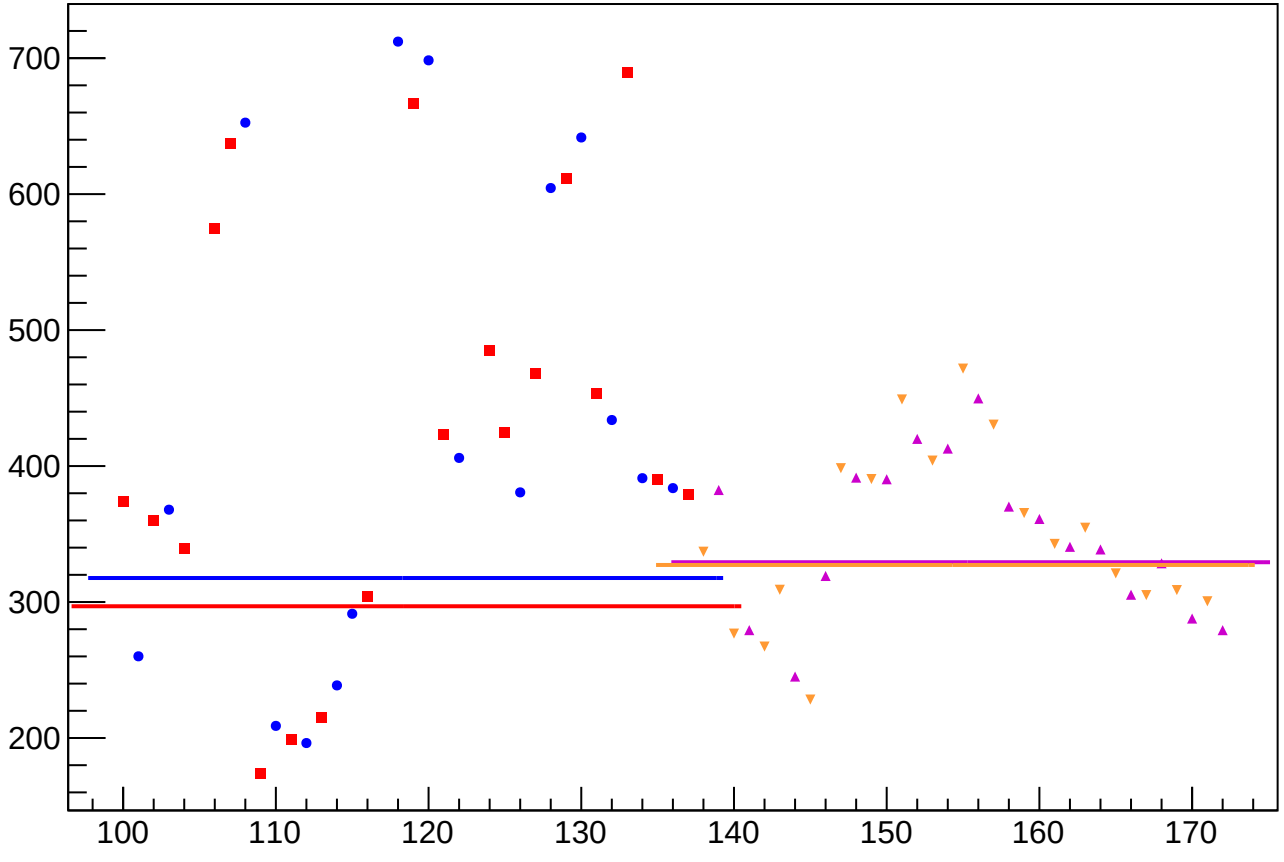
Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -32.384+/-73.387 χ^2/NDF:47.5/32

Out: -162.674+/-71.261 χ^2/NDF:78.4/36

All: -99.444+/-51.124 χ^2/NDF: 127.5/69

asym_sam7_dit_correction_rms vs Slug, Sign Corrected



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 327.259+/-0.063 χ^2/NDF:992797.5/17

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: 328.256+/-0.044 χ^2/NDF: 1776993.6/34

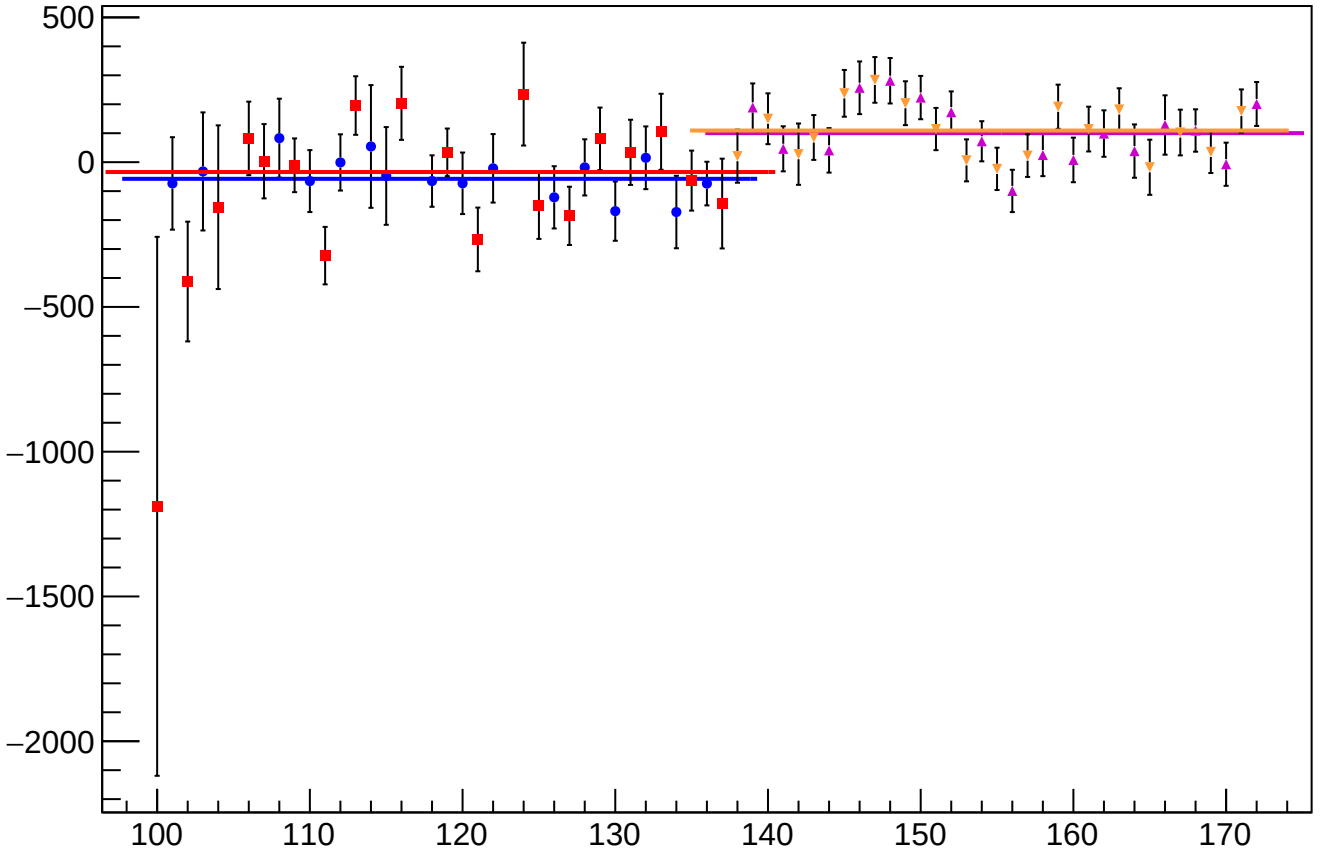
Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 325.483+/-0.052 χ^2/NDF:2930882.7/32

Out: 316.571+/-0.050 χ^2/NDF:3616695.9/36

All: 320.896+/-0.036 χ^2/NDF: 6562761.2/69

eigen_dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 109.260+/-18.553 χ^2/NDF:23.3/17

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: 104.878+/-13.244 χ^2/NDF: 52.2/34

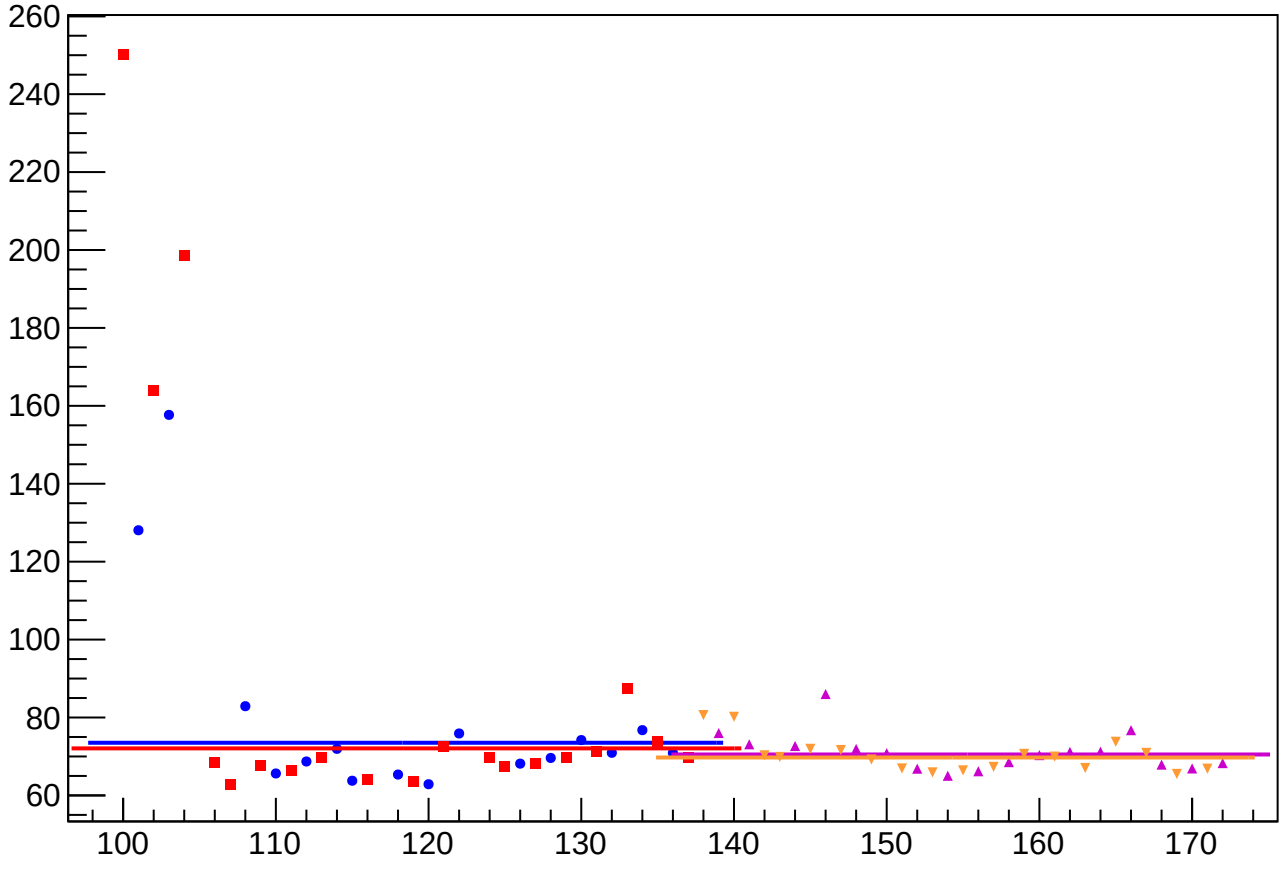
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 51.081+/-15.687 χ^2/NDF:55.4/32

Out: 64.211+/-15.362 χ^2/NDF:79.2/36

All: 57.783+/-10.976 χ^2/NDF: 134.9/69

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 69.734+/-0.013 χ^2/NDF:90769.3/17

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 70.509+/-0.013 χ^2/NDF:114102.9/16

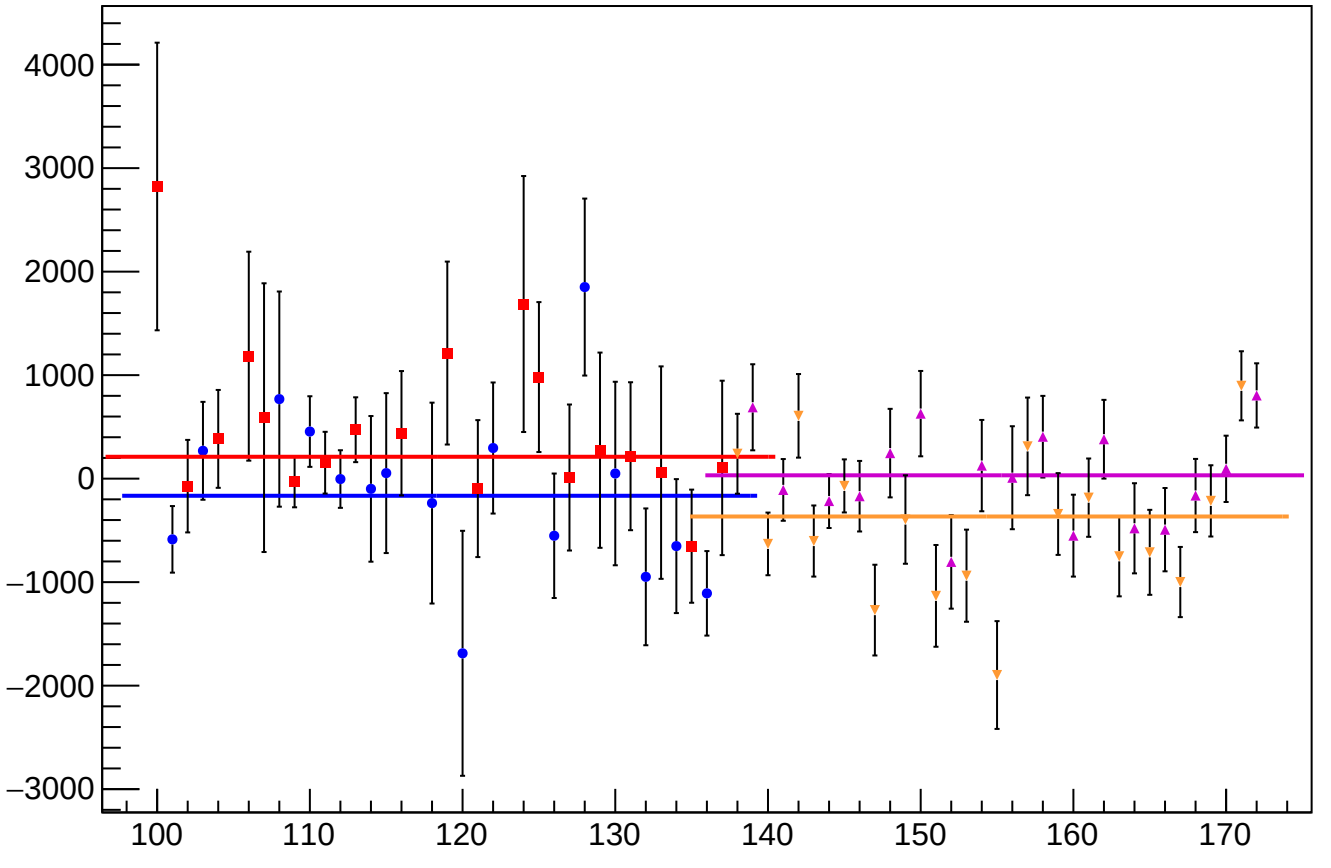
Left: 70.114+/-0.009 χ^2/NDF: 206580.5/34

Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 71.448+/-0.011 χ^2/NDF:786759.6/32

Out: 70.470+/-0.011 χ^2/NDF:1059264.3/36

All: 70.949+/-0.008 χ^2/NDF: 1849990.7/69



Right In: -165.498+/-128.437 χ^2/NDF: 22.6/15

Left Out: -365.788+/-88.520 χ^2/NDF:49.8/17

Right Out: 211.347+/-120.121 χ^2/NDF: 13.6/18

Left In: 32.142+/-89.423 χ^2/NDF:23.3/16

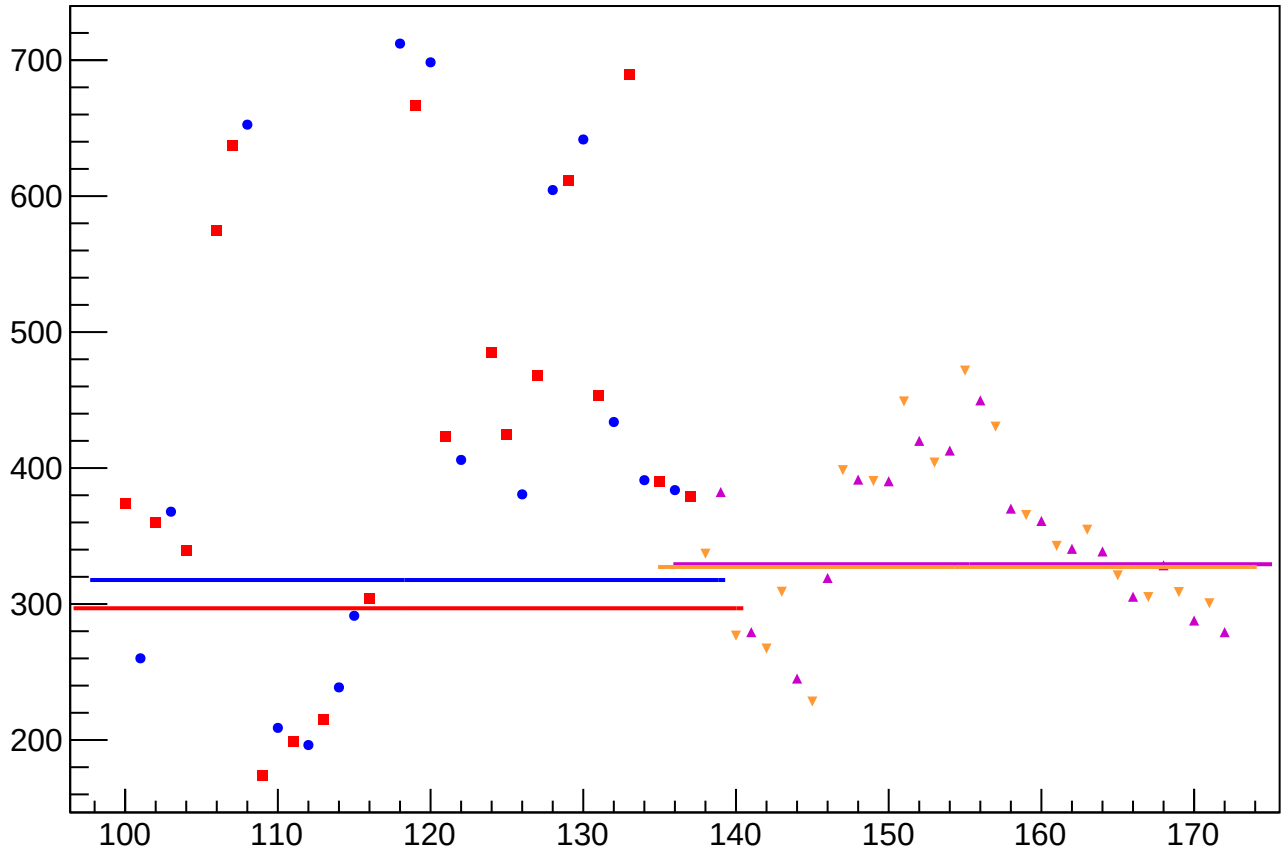
Left: -168.841+/-62.910 χ^2/NDF: 83.1/34

Right: 35.517+/-87.731 χ^2/NDF: 40.8/34

In: -32.385+/-73.387 χ^2/NDF:47.5/32

Out: -162.673+/-71.261 χ^2/NDF:78.4/36

All: -99.444+/-51.124 χ^2/NDF: 127.5/69



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 327.259+/-0.063 χ^2/NDF:992806.4/17

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: 328.256+/-0.044 χ^2/NDF: 1777006.0/34

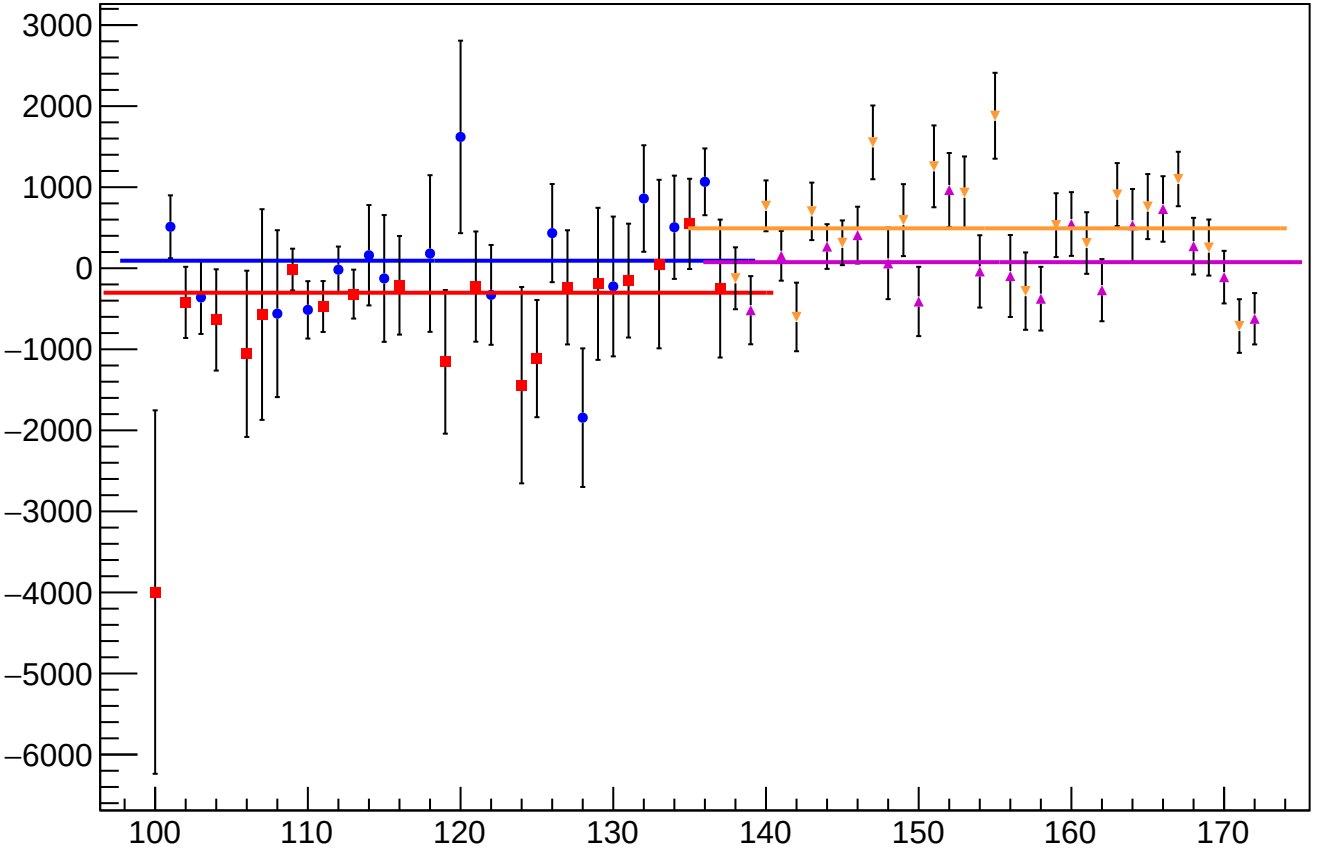
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 325.482+/-0.052 χ^2/NDF:2930922.5/32

Out: 316.570+/-0.050 χ^2/NDF:3616723.2/36

All: 320.895+/-0.036 χ^2/NDF: 6562828.1/69

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 492.334+/-90.159 χ^2/NDF:47.9/17

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: 285.856+/-64.096 χ^2/NDF: 80.0/34

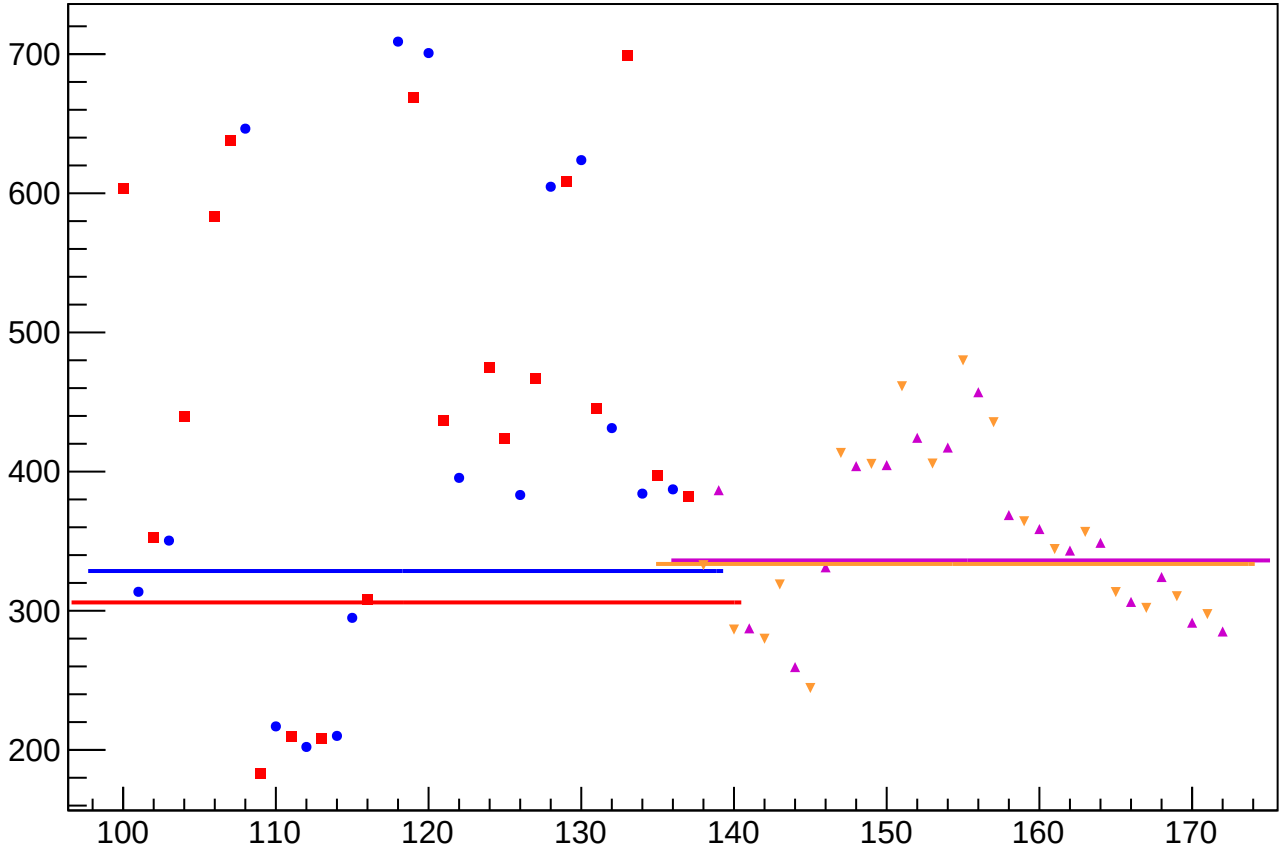
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 80.659+/-74.986 χ^2/NDF:42.3/32

Out: 217.291+/-72.904 χ^2/NDF:85.6/36

All: 150.898+/-52.272 χ^2/NDF: 129.6/69

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 333.645+/-0.064 χ^2/NDF:903305.7/17

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 336.173+/-0.064 χ^2/NDF:713154.9/16

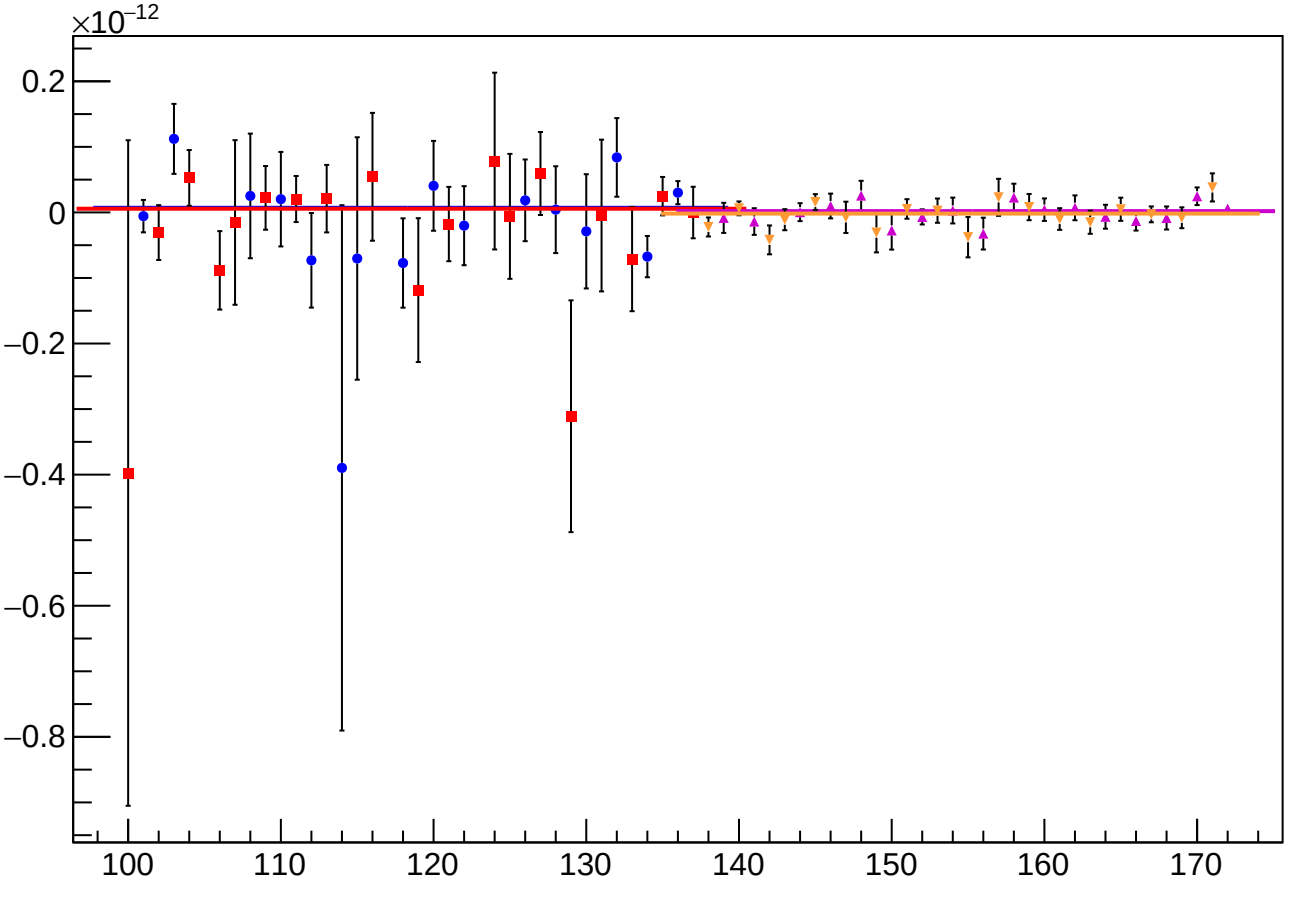
Left: 334.895+/-0.045 χ^2/NDF: 1617238.4/34

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 333.715+/-0.053 χ^2/NDF:2676528.5/32

Out: 324.072+/-0.052 χ^2/NDF:3495909.9/36

All: 328.758+/-0.037 χ^2/NDF: 6189443.4/69



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:11.5/16

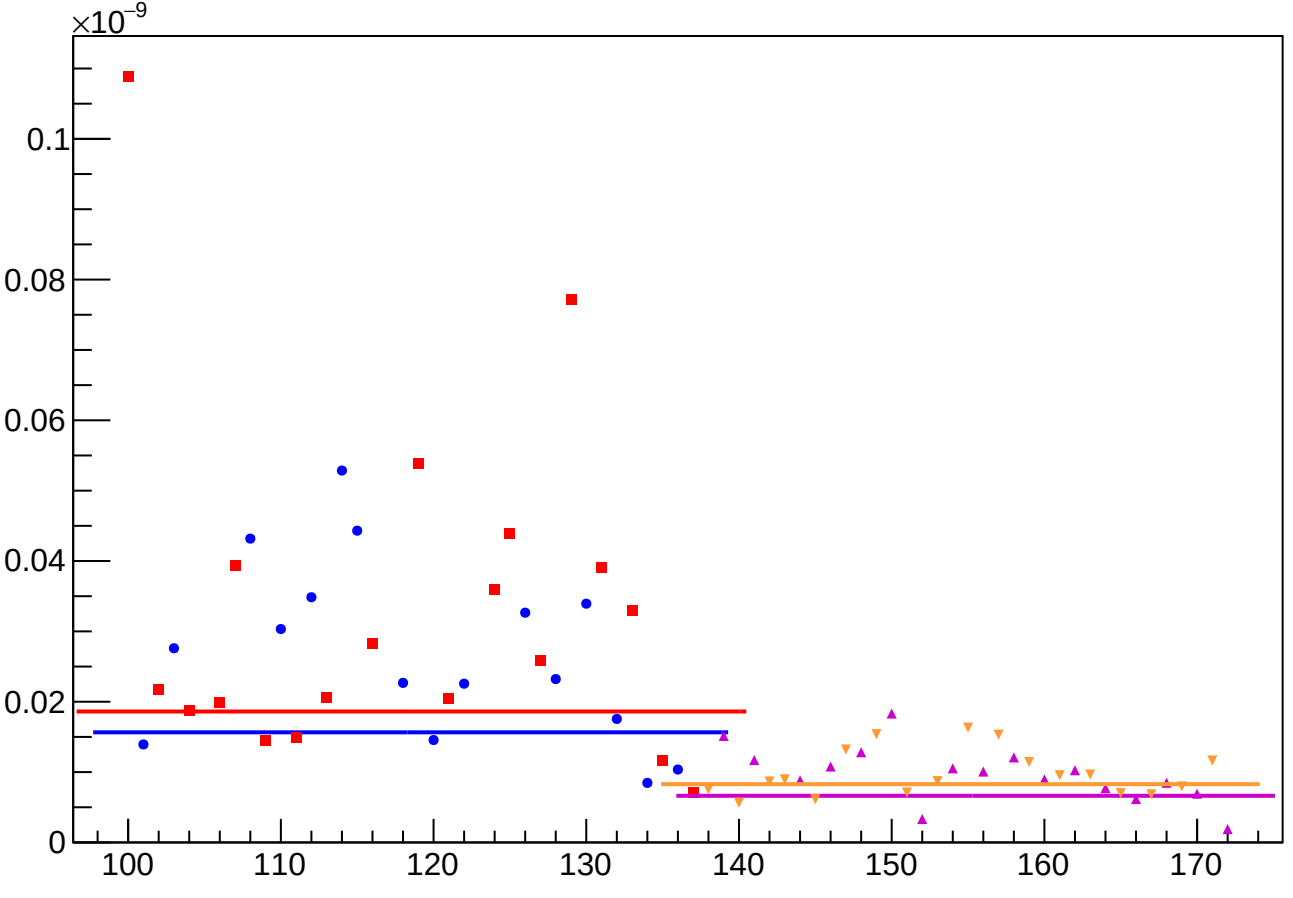
Left: 0.000+/-0.000 χ^2/NDF: 28.6/34

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:29.7/36

All: 0.000+/-0.000 χ^2/NDF: 59.6/69



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:830720.3/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2599192.1/16

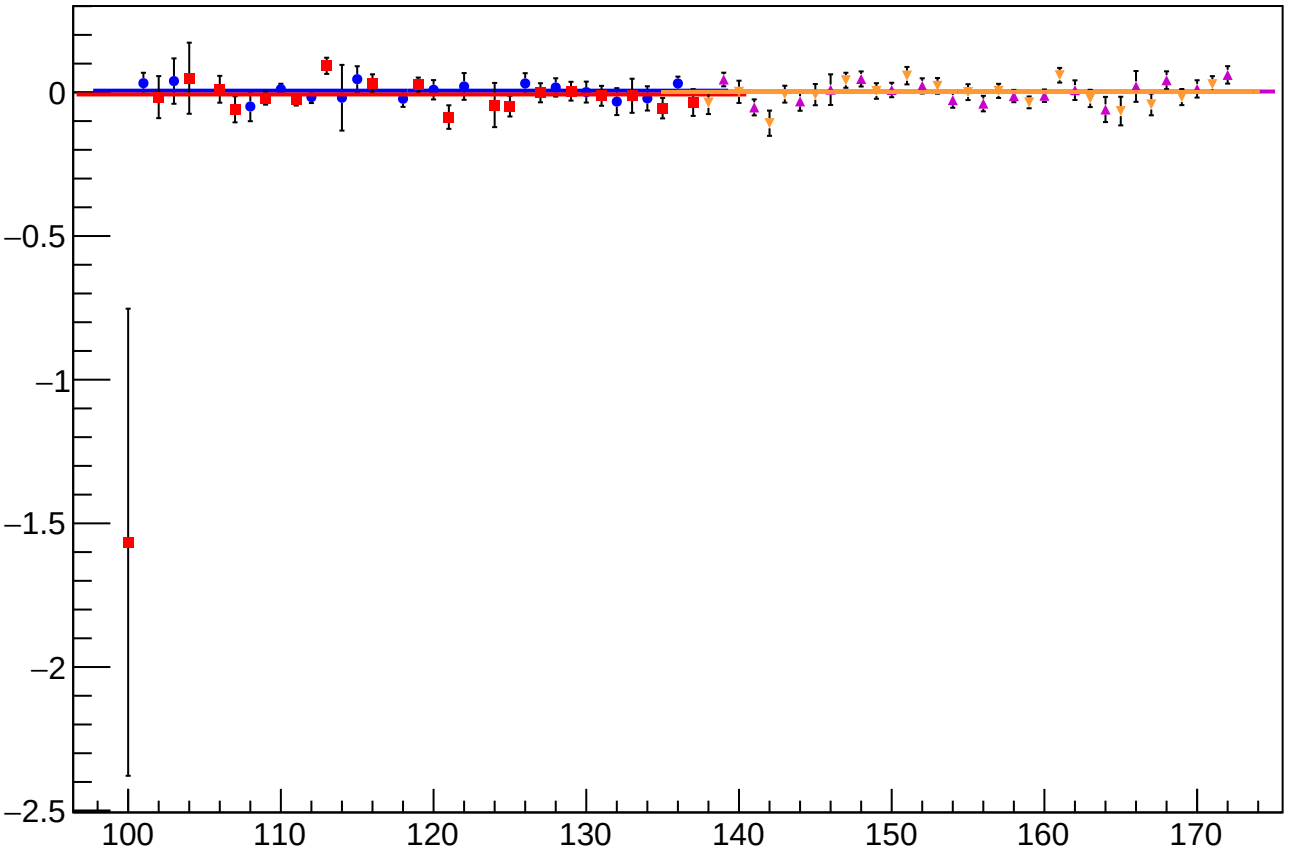
Left: 0.000+/-0.000 χ^2/NDF: 3619109.9/34

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:3243292.2/36

All: 0.000+/-0.000 χ^2/NDF: 8431985.5/69



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:27.0/17

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.003+/-0.007 χ^2/NDF:23.6/16

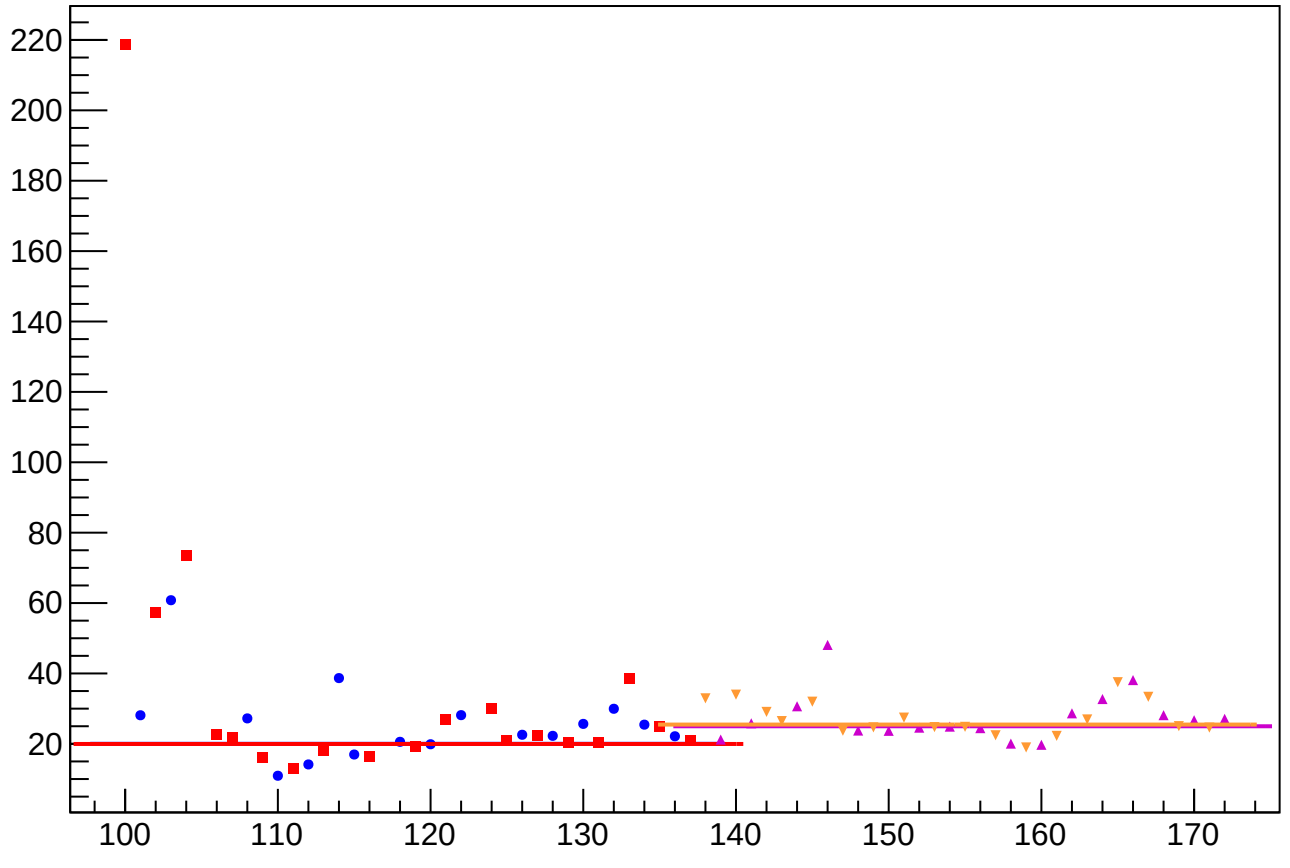
Left: 0.002+/-0.005 χ^2/NDF: 50.6/34

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:57.4/36

All: 0.001+/-0.004 χ^2/NDF: 89.8/69



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.474+/-0.005 χ^2/NDF:739893.3/17

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.992+/-0.005 χ^2/NDF:963709.3/16

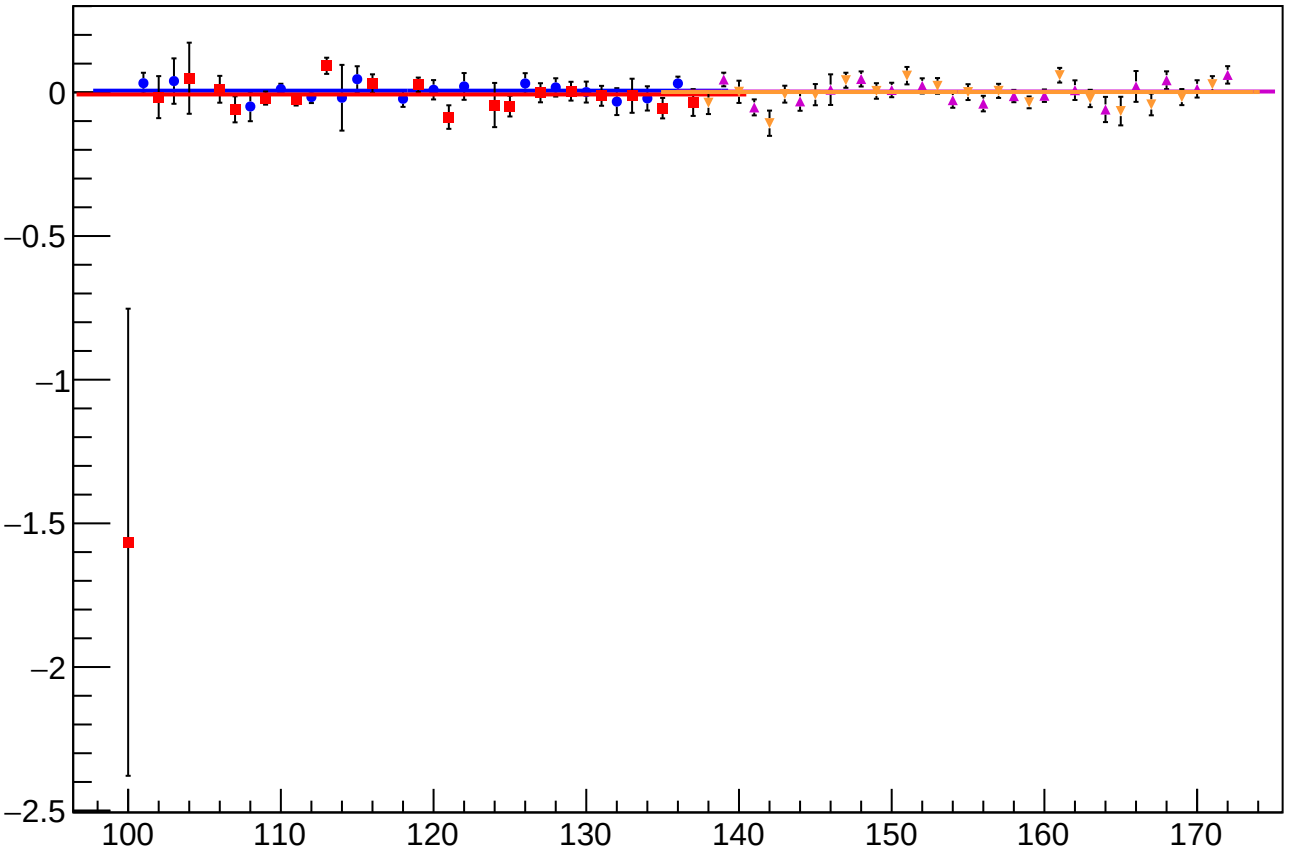
Left: 25.231+/-0.003 χ^2/NDF: 1708408.4/34

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.902+/-0.004 χ^2/NDF:3039310.2/32

Out: 23.126+/-0.004 χ^2/NDF:2988830.8/36

All: 23.014+/-0.003 χ^2/NDF: 6029937.6/69



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:27.0/17

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.003+/-0.007 χ^2/NDF:23.6/16

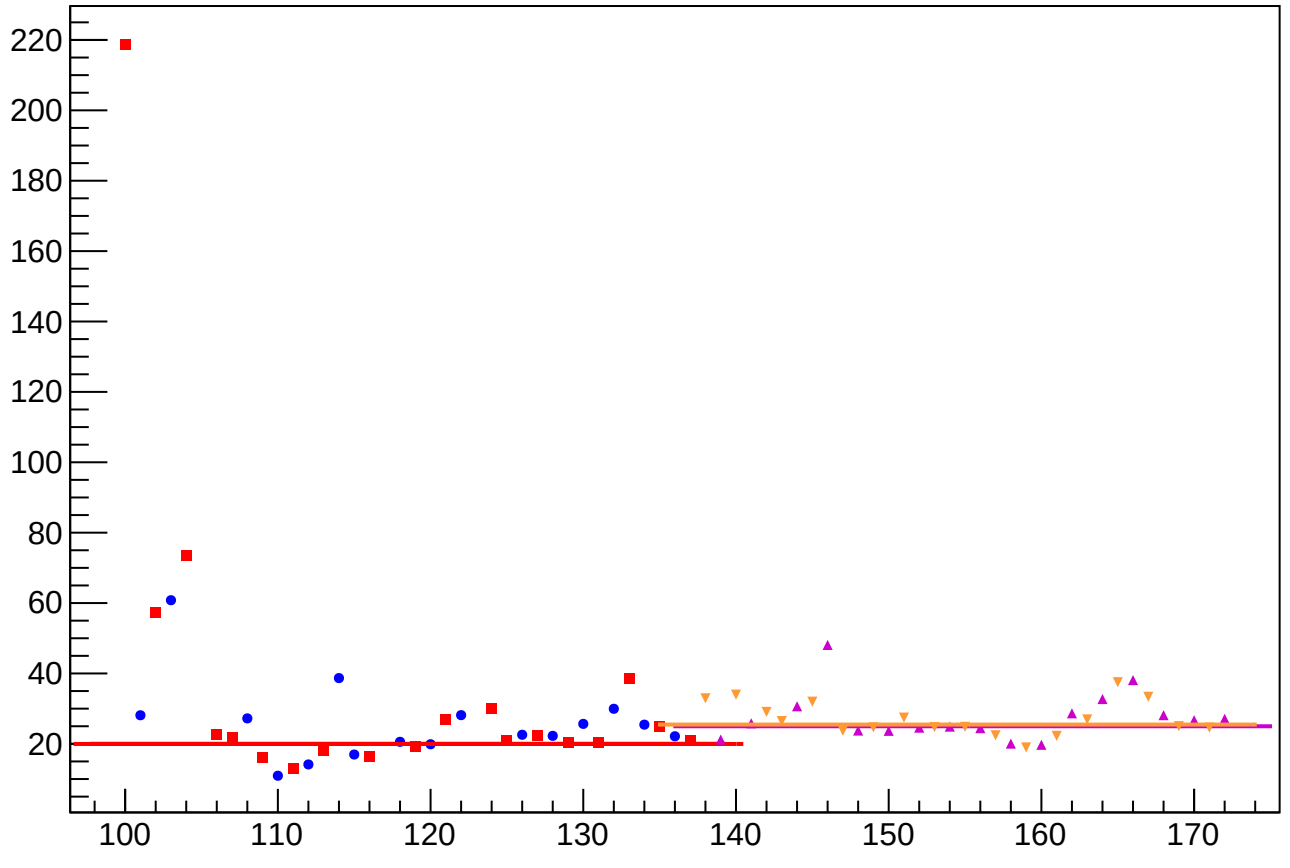
Left: 0.002+/-0.005 χ^2/NDF: 50.6/34

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:57.4/36

All: 0.001+/-0.004 χ^2/NDF: 89.8/69



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.474+/-0.005 χ^2/NDF:739893.3/17

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 24.992+/-0.005 χ^2/NDF:963709.3/16

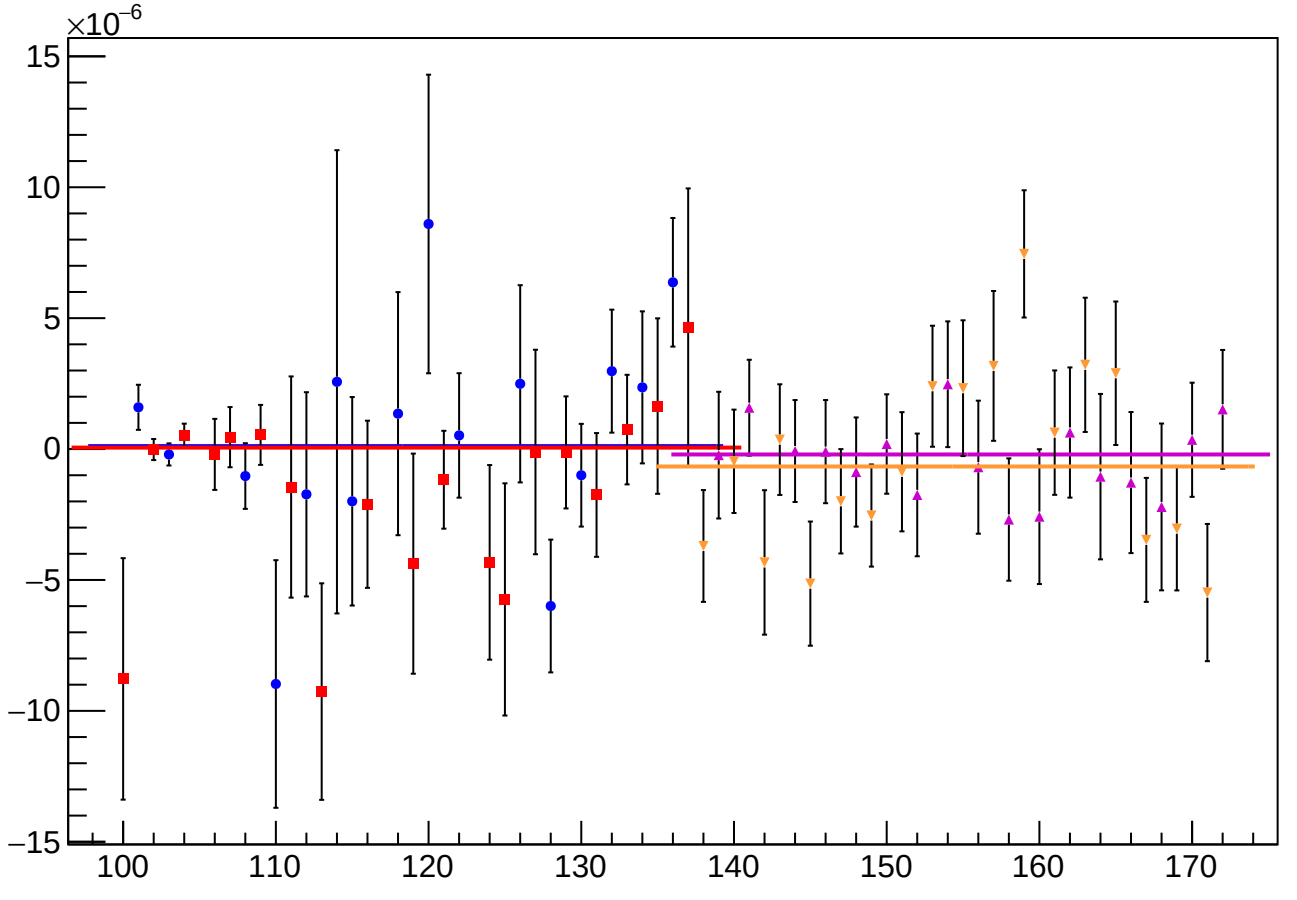
Left: 25.231+/-0.003 χ^2/NDF: 1708408.4/34

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.902+/-0.004 χ^2/NDF:3039310.2/32

Out: 23.126+/-0.004 χ^2/NDF:2988830.8/36

All: 23.014+/-0.003 χ^2/NDF: 6029937.6/69



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:35.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: -0.000+/-0.000 χ^2/NDF:6.2/16

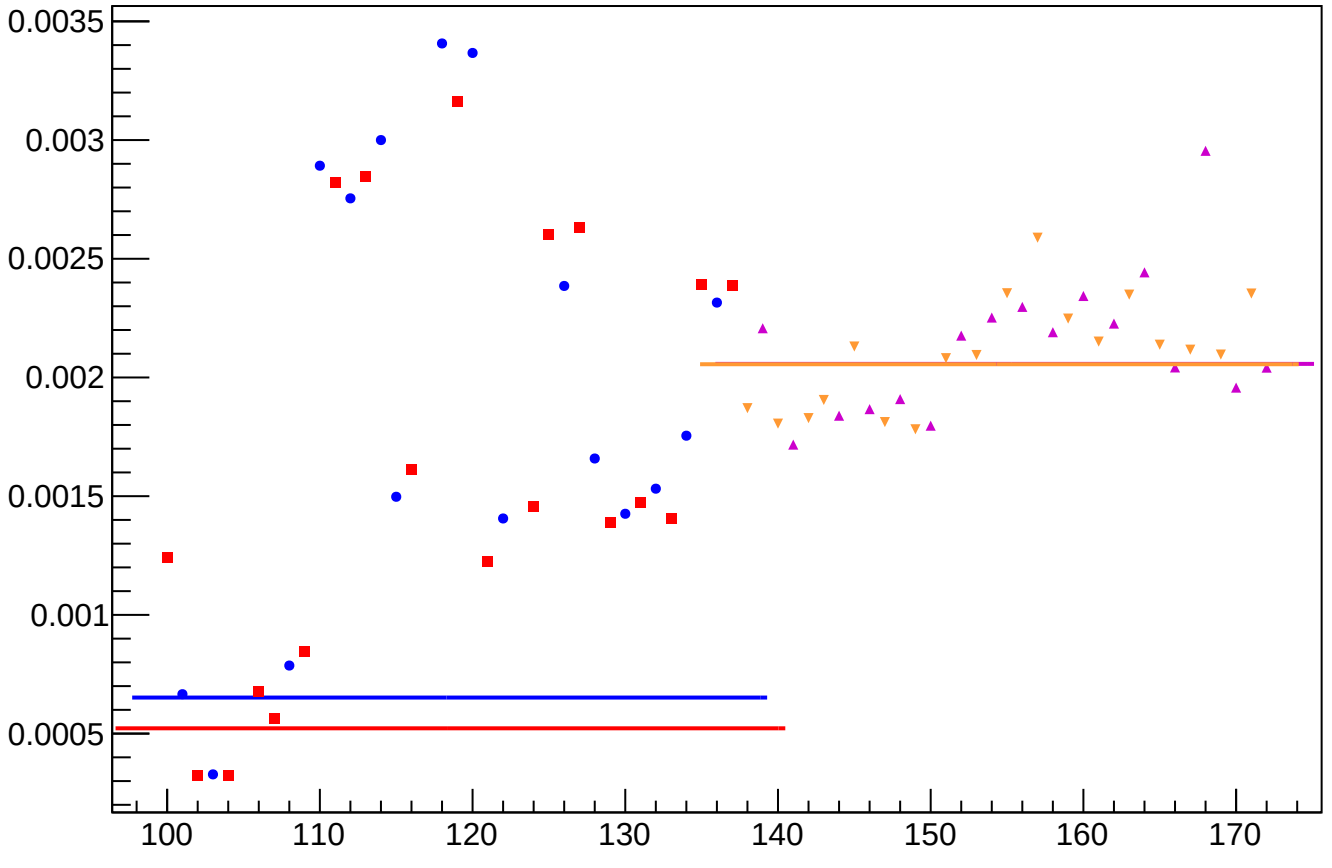
Left: -0.000+/-0.000 χ^2/NDF: 41.6/34

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:53.6/36

All: -0.000+/-0.000 χ^2/NDF: 86.2/69



Right In: 0.001+/-0.000 χ^2/NDF: 6357494.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:310427.7/17

Right Out: 0.001+/-0.000 χ^2/NDF: 6676790.5/18

Left In: 0.002+/-0.000 χ^2/NDF:437834.9/16

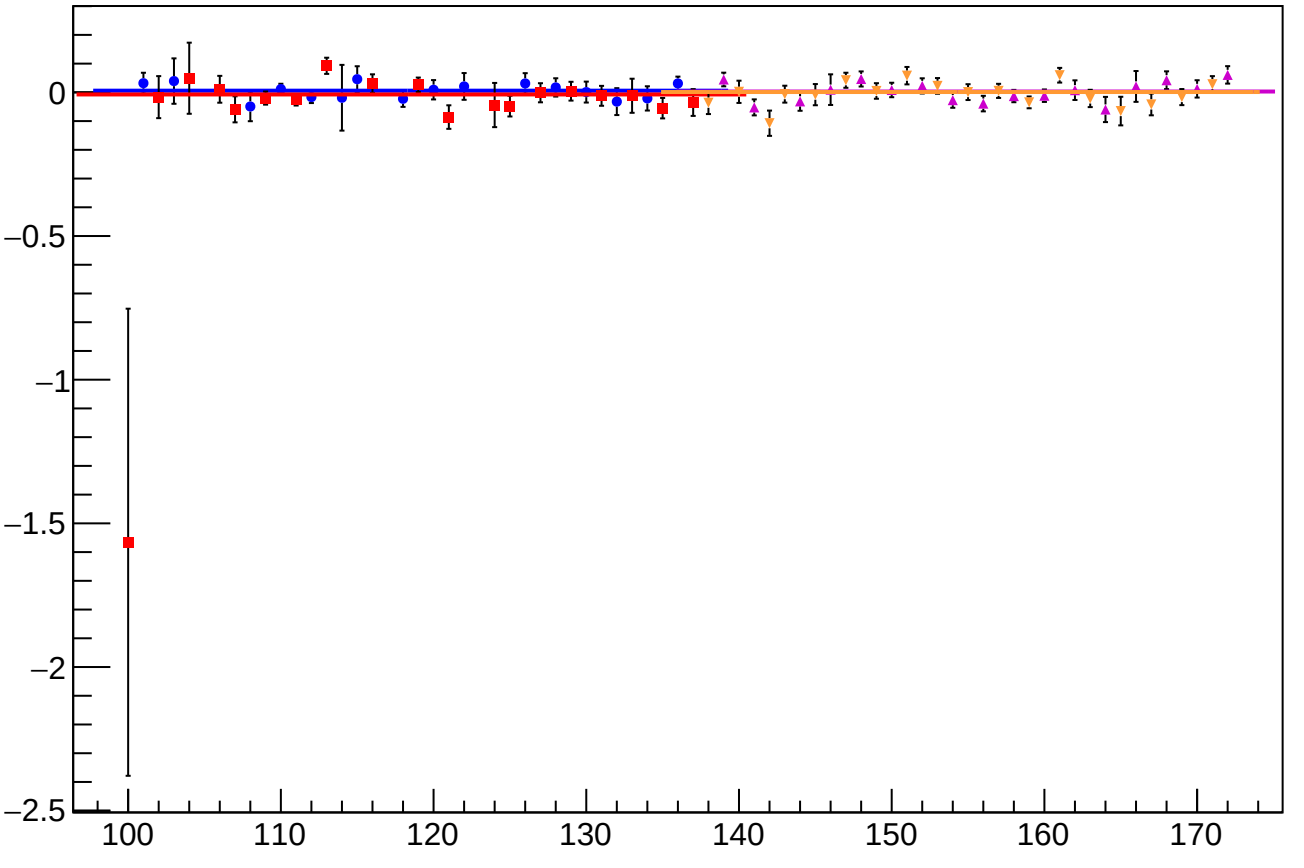
Left: 0.002+/-0.000 χ^2/NDF: 748269.5/34

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:19704202.4/36

All: 0.001+/-0.000 χ^2/NDF: 36635158.5/69



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:27.0/17

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.003+/-0.007 χ^2/NDF:23.6/16

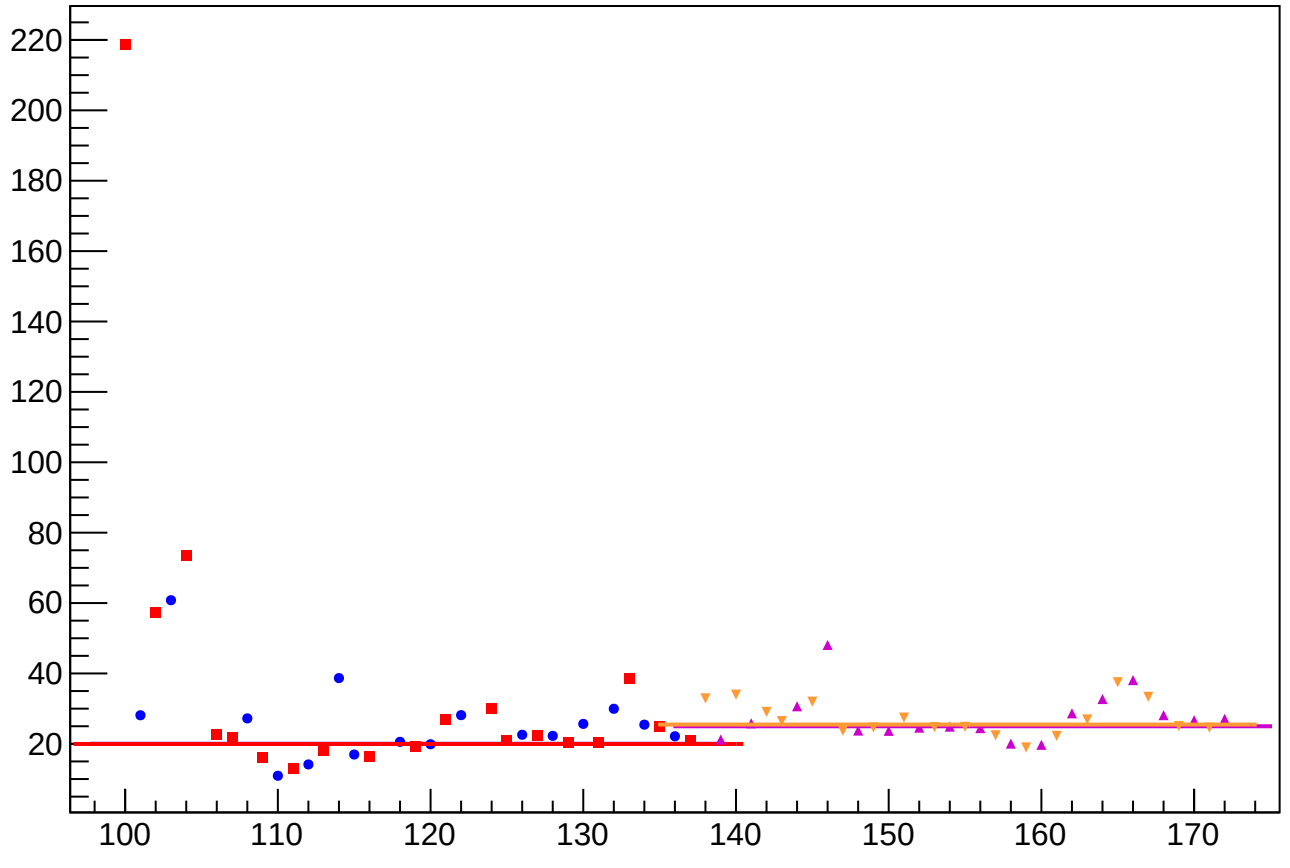
Left: 0.002+/-0.005 χ^2/NDF: 50.6/34

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:57.4/36

All: 0.001+/-0.004 χ^2/NDF: 89.8/69



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.474+/-0.005 χ^2/NDF:739935.8/17

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.992+/-0.005 χ^2/NDF:963764.6/16

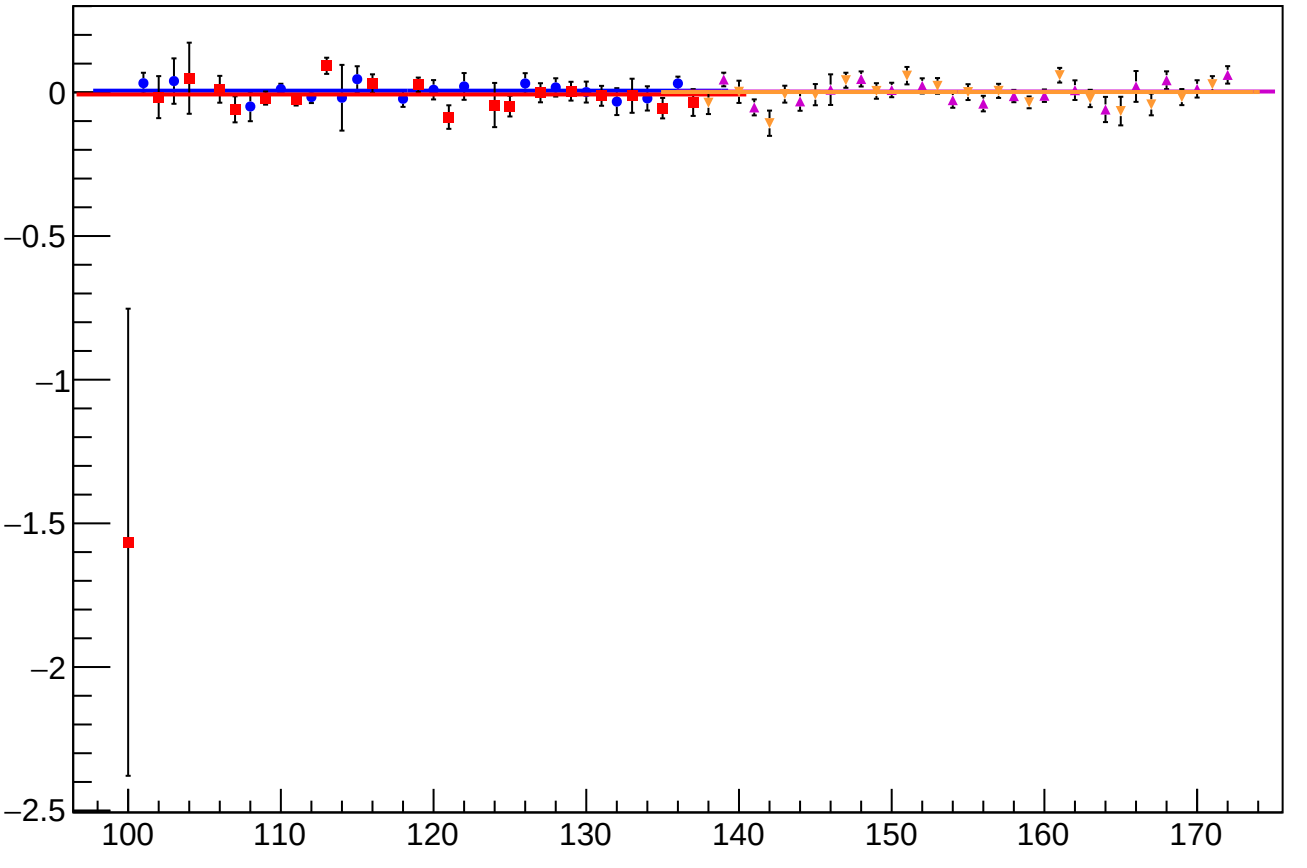
Left: 25.231+/-0.003 χ^2/NDF: 1708506.7/34

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.902+/-0.004 χ^2/NDF:3039095.5/32

Out: 23.126+/-0.004 χ^2/NDF:2988779.3/36

All: 23.014+/-0.003 χ^2/NDF: 6029668.8/69



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.001+/-0.007 χ^2/NDF:27.0/17

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: 0.002+/-0.005 χ^2/NDF: 50.6/34

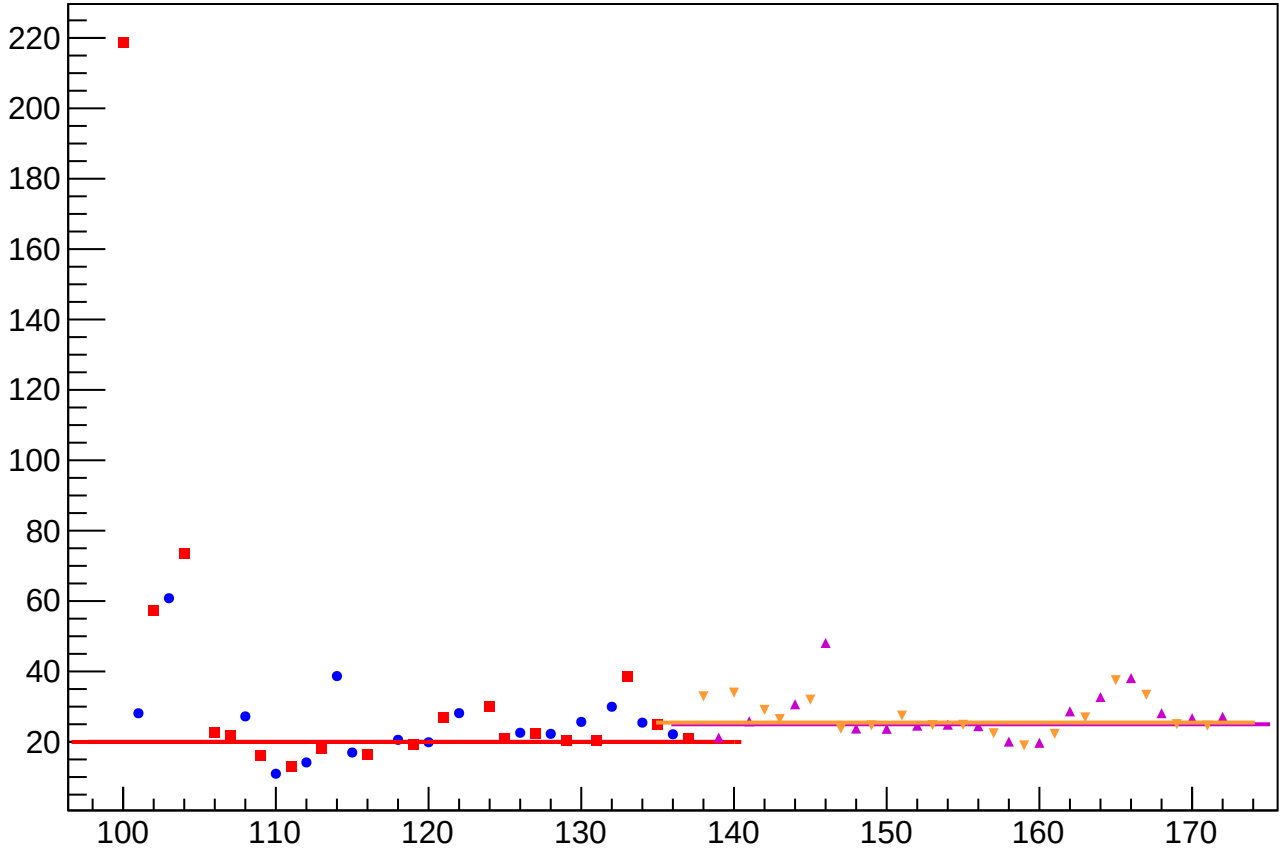
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.004+/-0.005 χ^2/NDF:31.6/32

Out: -0.002+/-0.005 χ^2/NDF:57.4/36

All: 0.001+/-0.004 χ^2/NDF: 89.8/69

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: 25.474+/-0.005 χ^2/NDF:739935.8/17

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 24.992+/-0.005 χ^2/NDF:963764.6/16

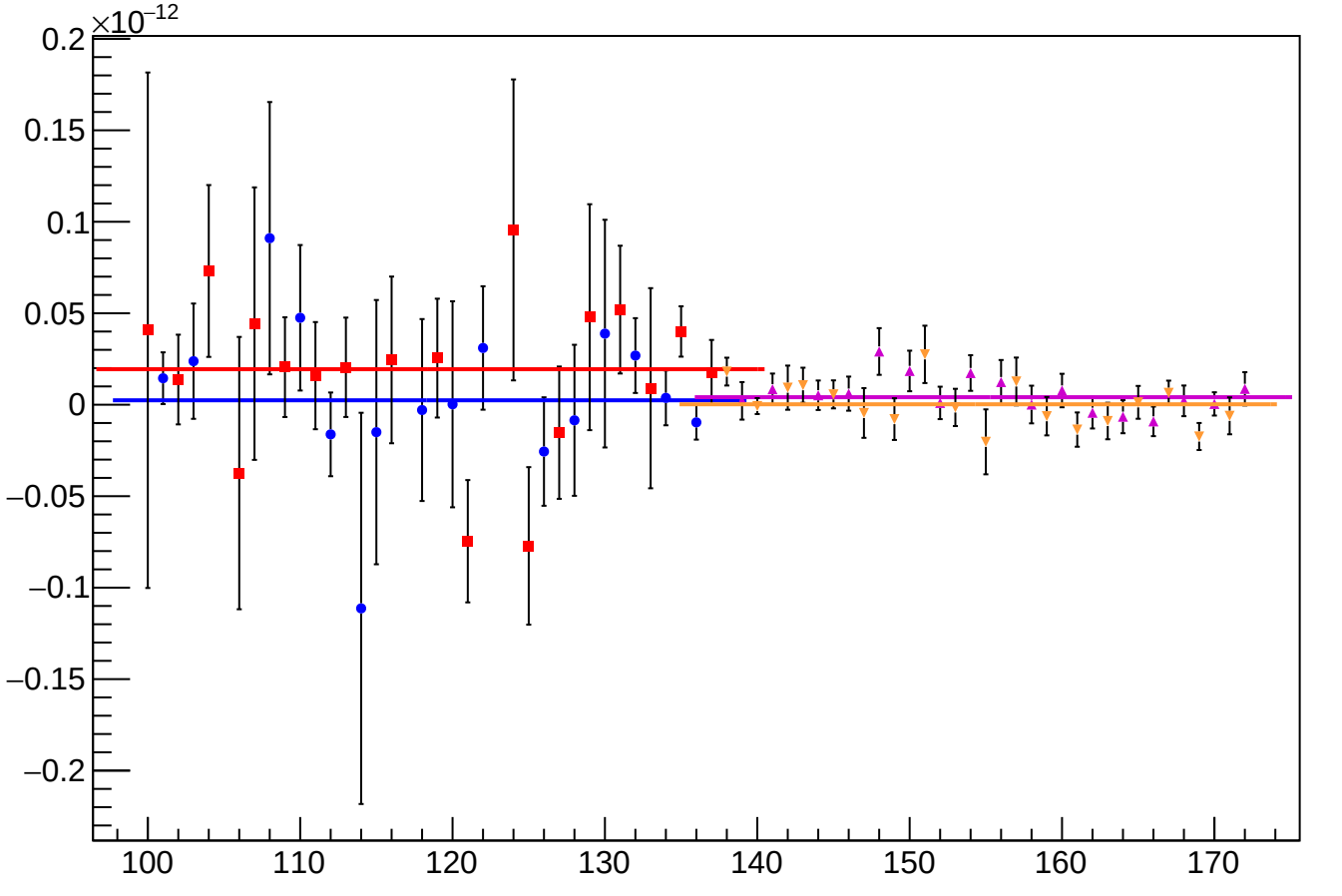
Left: 25.231+/-0.003 χ^2/NDF: 1708506.7/34

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.902+/-0.004 χ^2/NDF:3039095.5/32

Out: 23.126+/-0.004 χ^2/NDF:2988779.3/36

All: 23.014+/-0.003 χ^2/NDF: 6029668.8/69



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:14.3/16

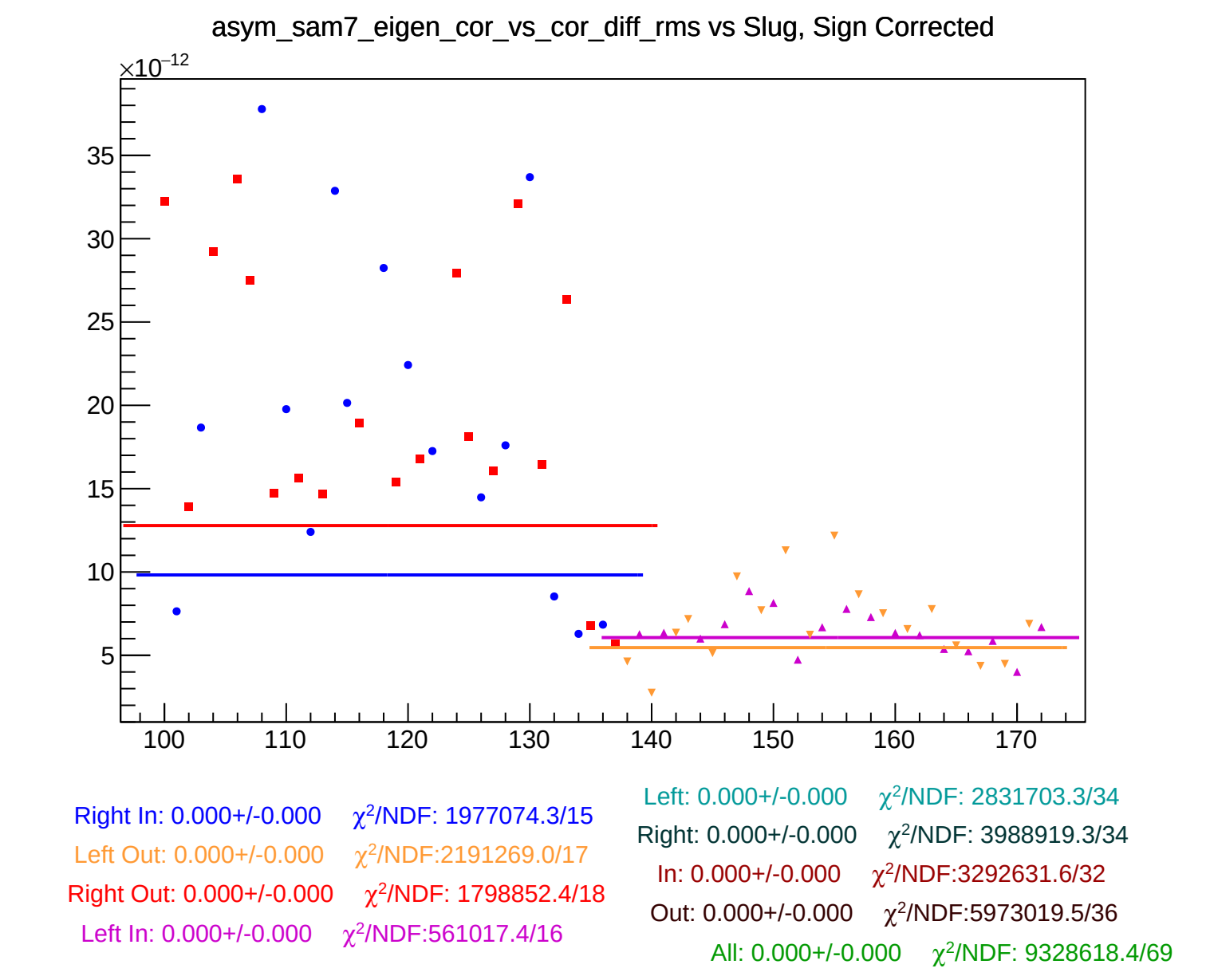
Left: 0.000+/-0.000 χ^2/NDF: 40.1/34

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

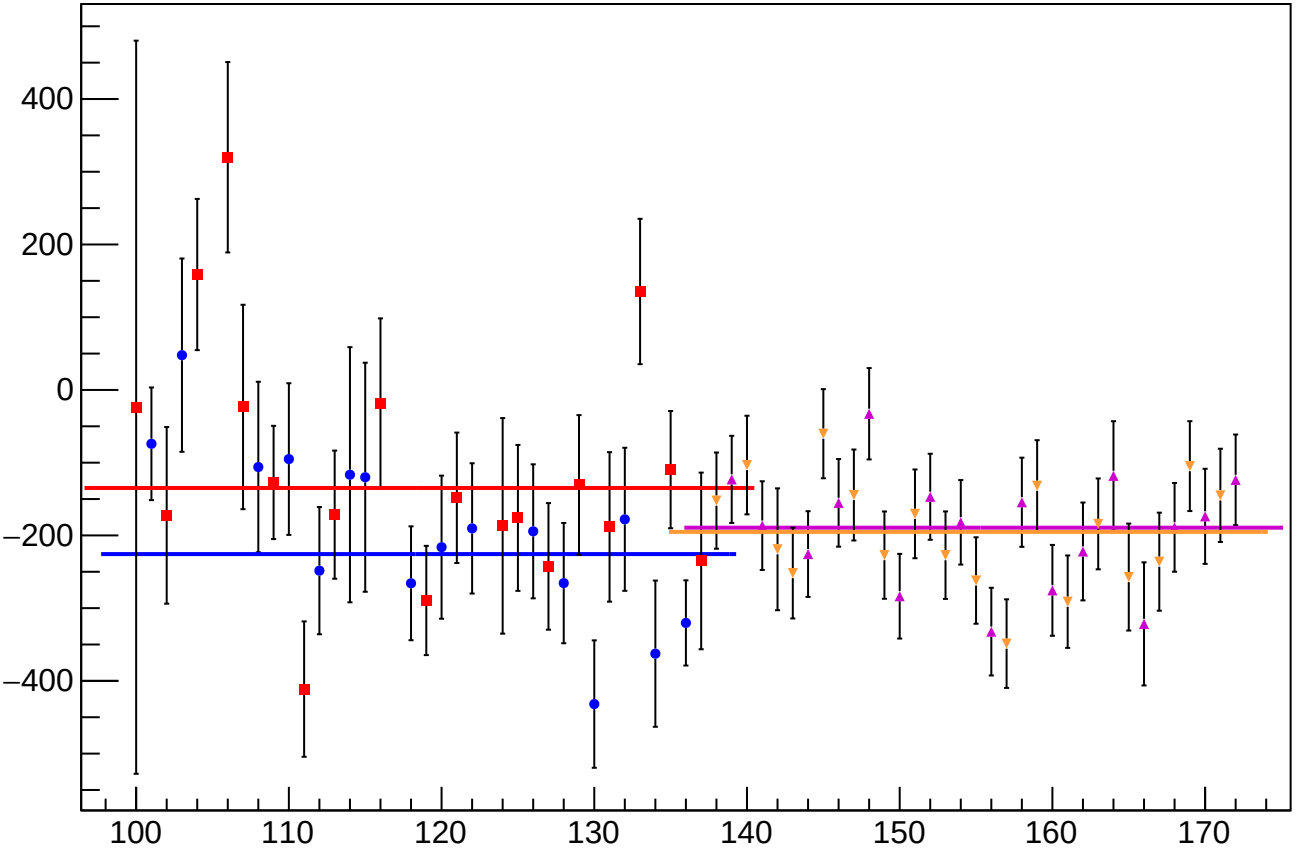
In: 0.000+/-0.000 χ^2/NDF:25.2/32

Out: 0.000+/-0.000 χ^2/NDF:51.2/36

All: 0.000+/-0.000 χ^2/NDF: 76.9/69


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:2191269.0/17
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: 2831703.3/34
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:5973019.5/36
All: 0.000+/-0.000 χ²/NDF: 9328618.4/69

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -195.162+/-15.056 χ^2/NDF:24.2/17

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: -192.291+/-10.691 χ^2/NDF: 48.2/34

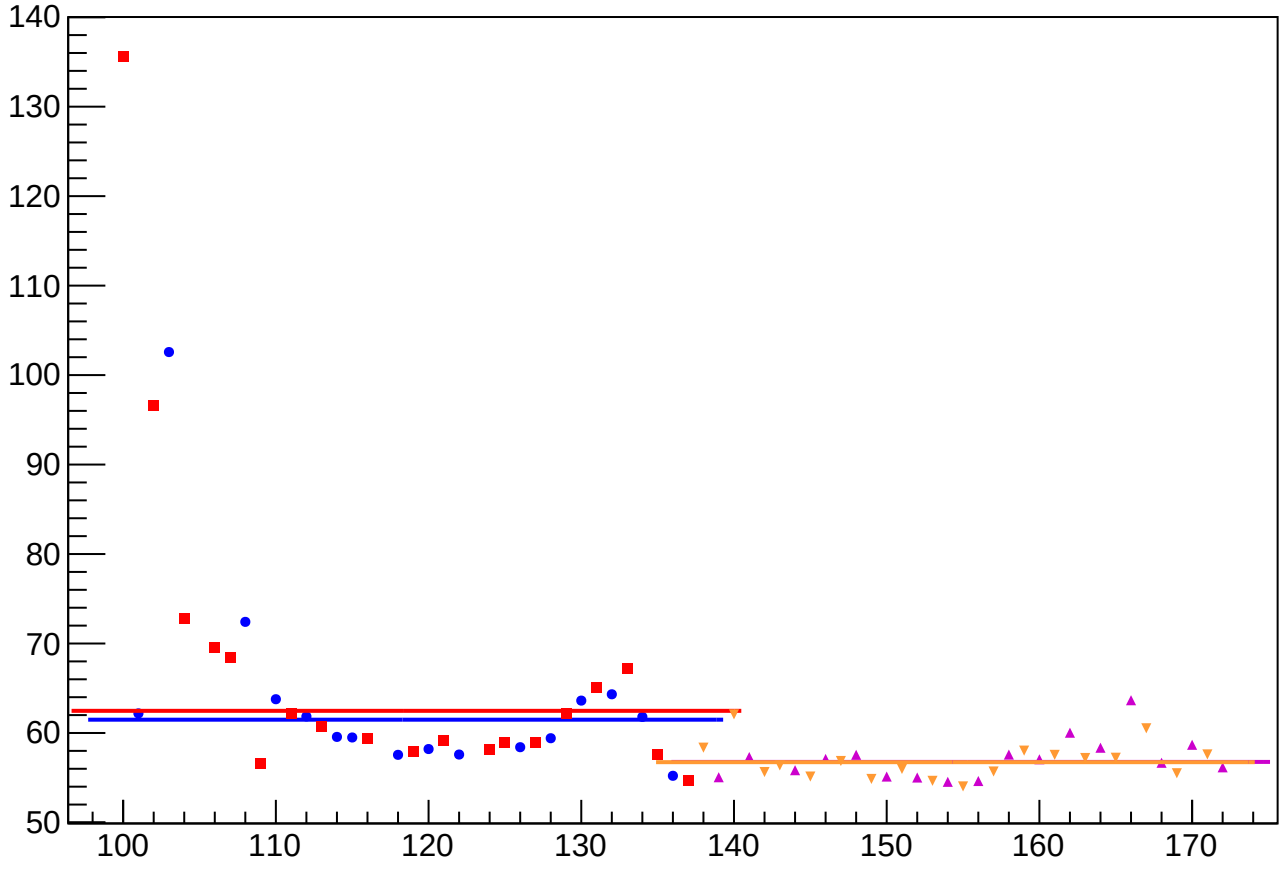
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -200.317+/-12.691 χ^2/NDF:48.2/32

Out: -177.254+/-12.628 χ^2/NDF:74.2/36

All: -188.728+/-8.952 χ^2/NDF: 124.1/69

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.738+/-0.011 χ^2/NDF:33705.5/17

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 56.767+/-0.011 χ^2/NDF:32618.8/16

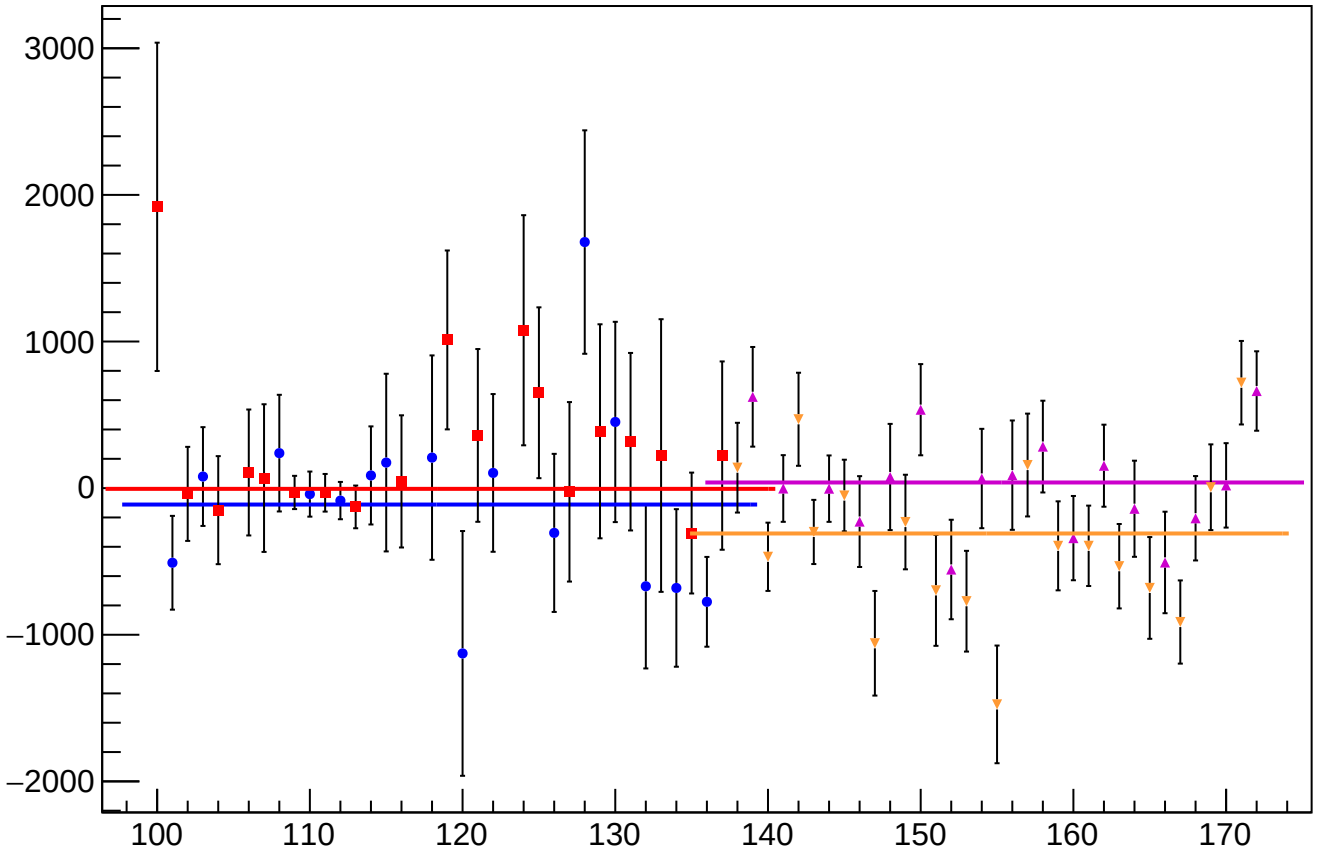
Left: 56.752+/-0.008 χ^2/NDF: 66327.9/34

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 58.189+/-0.009 χ^2/NDF:341508.3/32

Out: 58.439+/-0.009 χ^2/NDF:400972.3/36

All: 58.315+/-0.006 χ^2/NDF: 742871.4/69



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -309.273+/-69.856 χ^2/NDF:47.9/17

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 38.515+/-72.361 χ^2/NDF:20.7/16

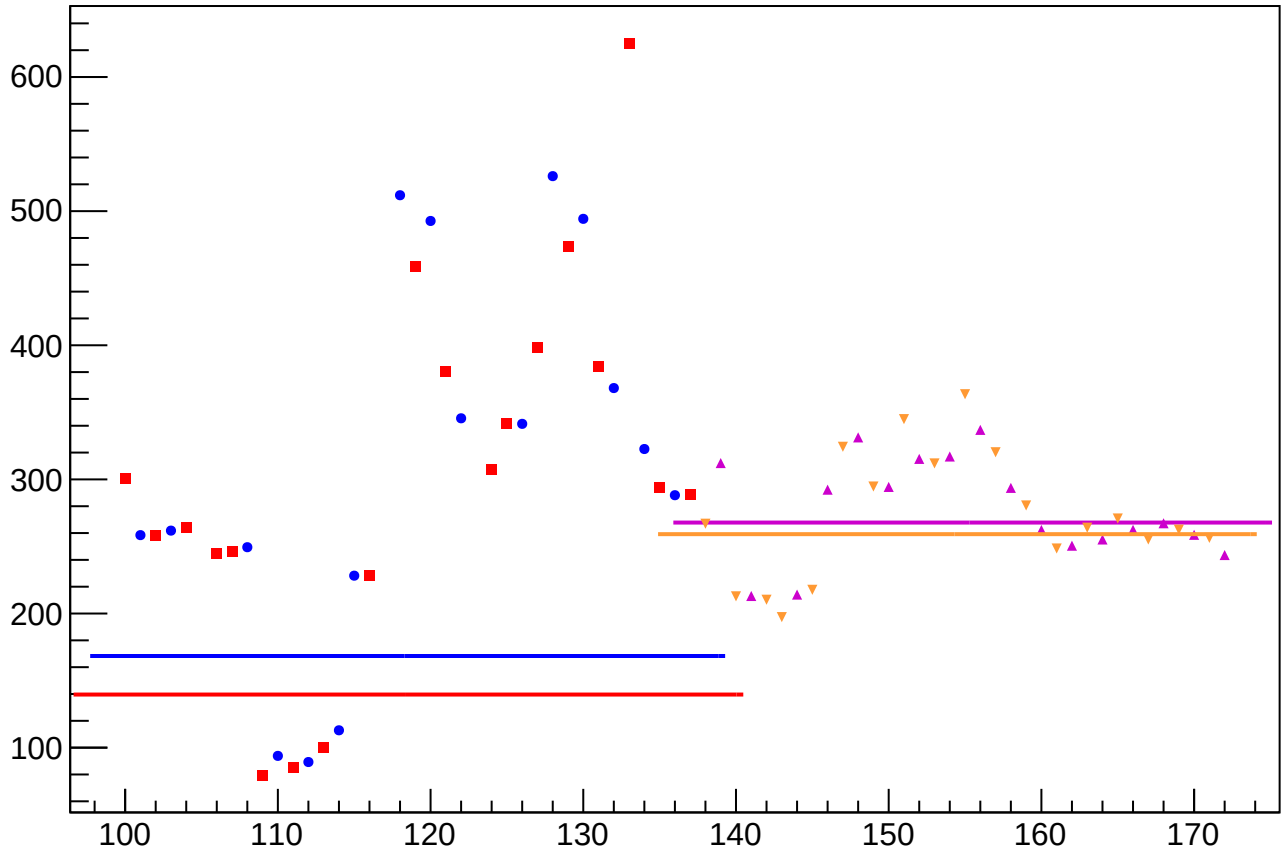
Left: -141.504+/-50.258 χ^2/NDF: 80.6/34

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -32.789+/-52.476 χ^2/NDF:41.2/32

Out: -143.634+/-47.162 χ^2/NDF:69.9/36

All: -94.105+/-35.077 χ^2/NDF: 113.6/69



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 259.173+/-0.049 χ^2/NDF:798816.8/17

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: 263.344+/-0.036 χ^2/NDF: 1358190.4/34

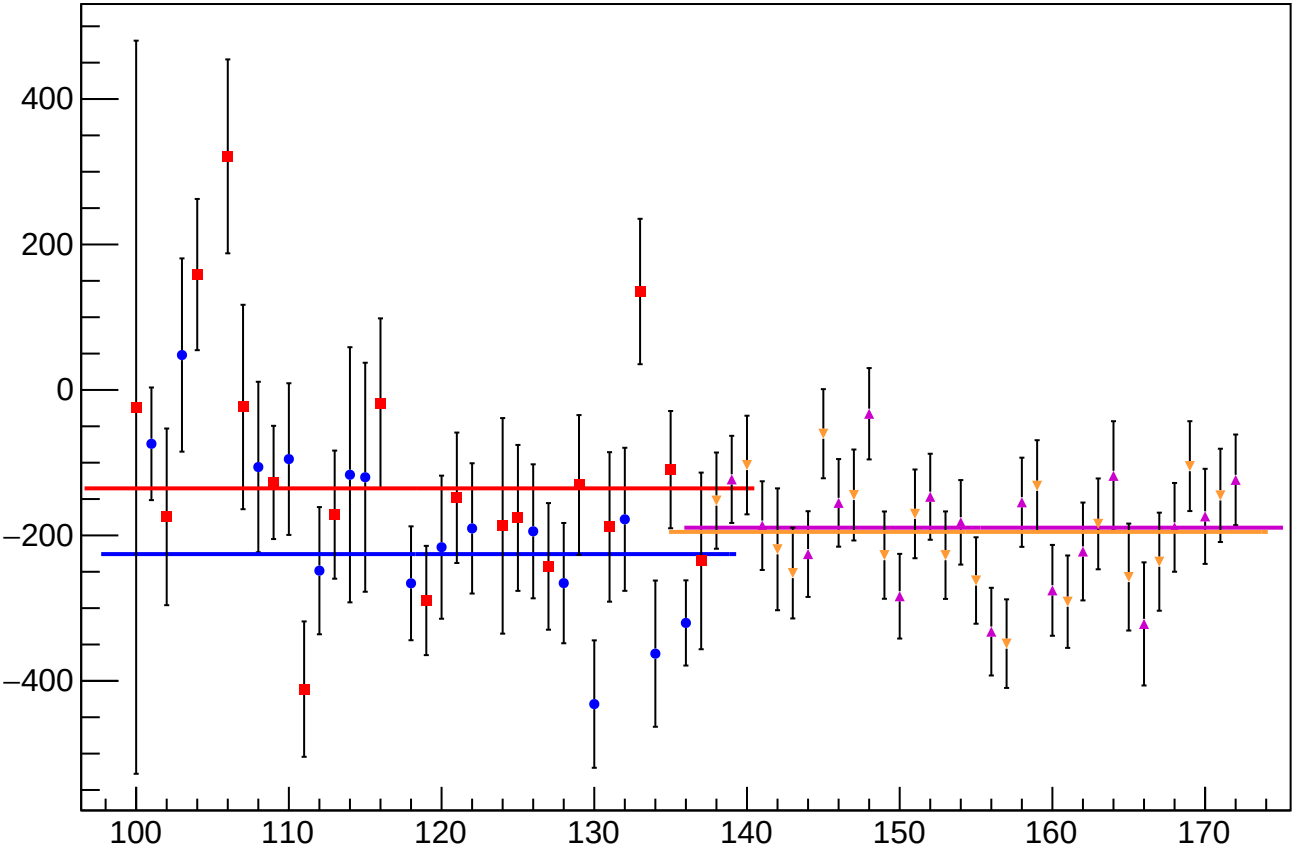
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 220.651+/-0.037 χ^2/NDF:6881050.4/32

Out: 194.099+/-0.033 χ^2/NDF:9142198.7/36

All: 205.963+/-0.025 χ^2/NDF: 16306495.5/69

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -195.160+/-15.056 χ^2/NDF:24.2/17

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: -192.291+/-10.691 χ^2/NDF: 48.2/34

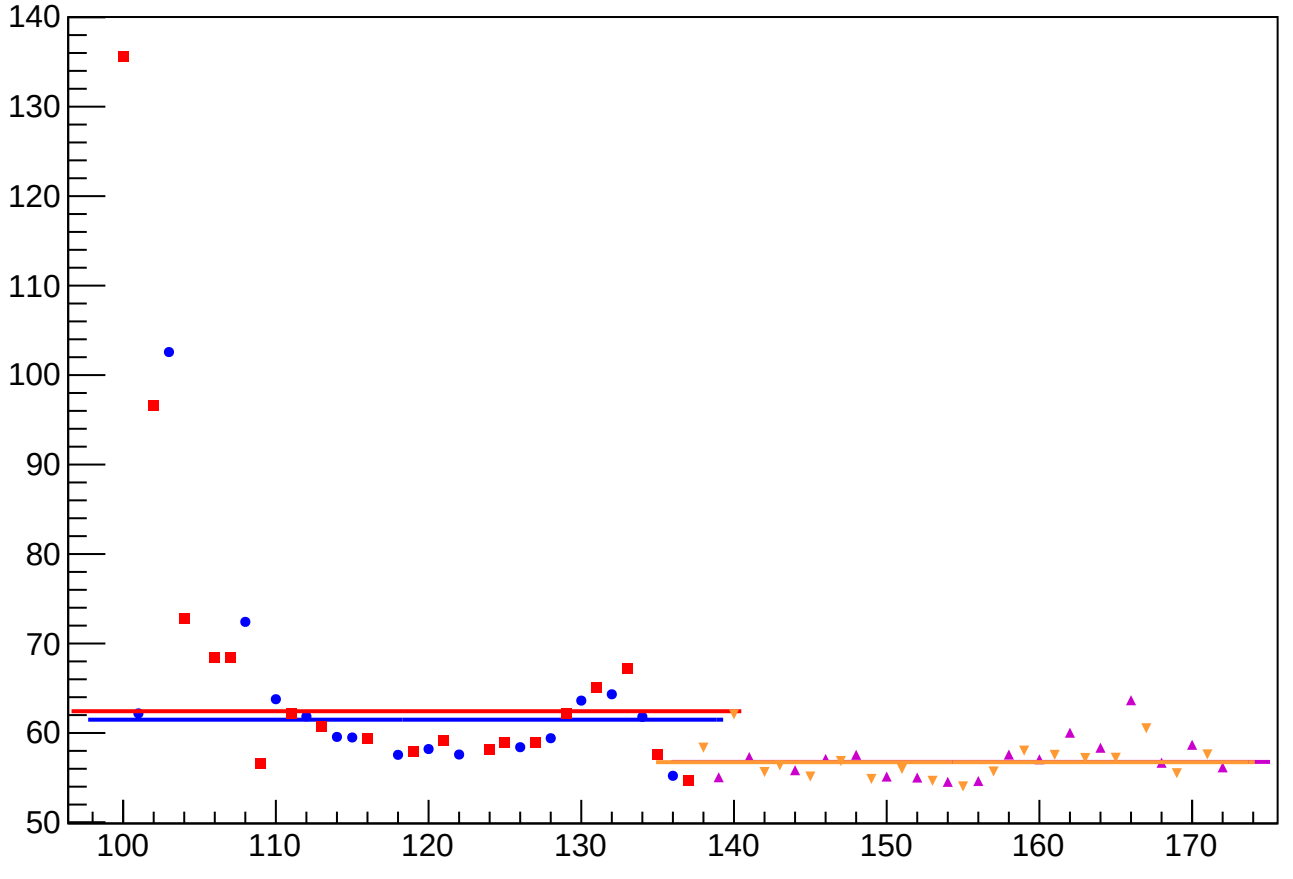
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -200.318+/-12.691 χ^2/NDF:48.2/32

Out: -177.430+/-12.630 χ^2/NDF:73.8/36

All: -188.819+/-8.952 χ^2/NDF: 123.7/69

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.738+/-0.011 χ^2/NDF:33705.5/17

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.767+/-0.011 χ^2/NDF:32618.8/16

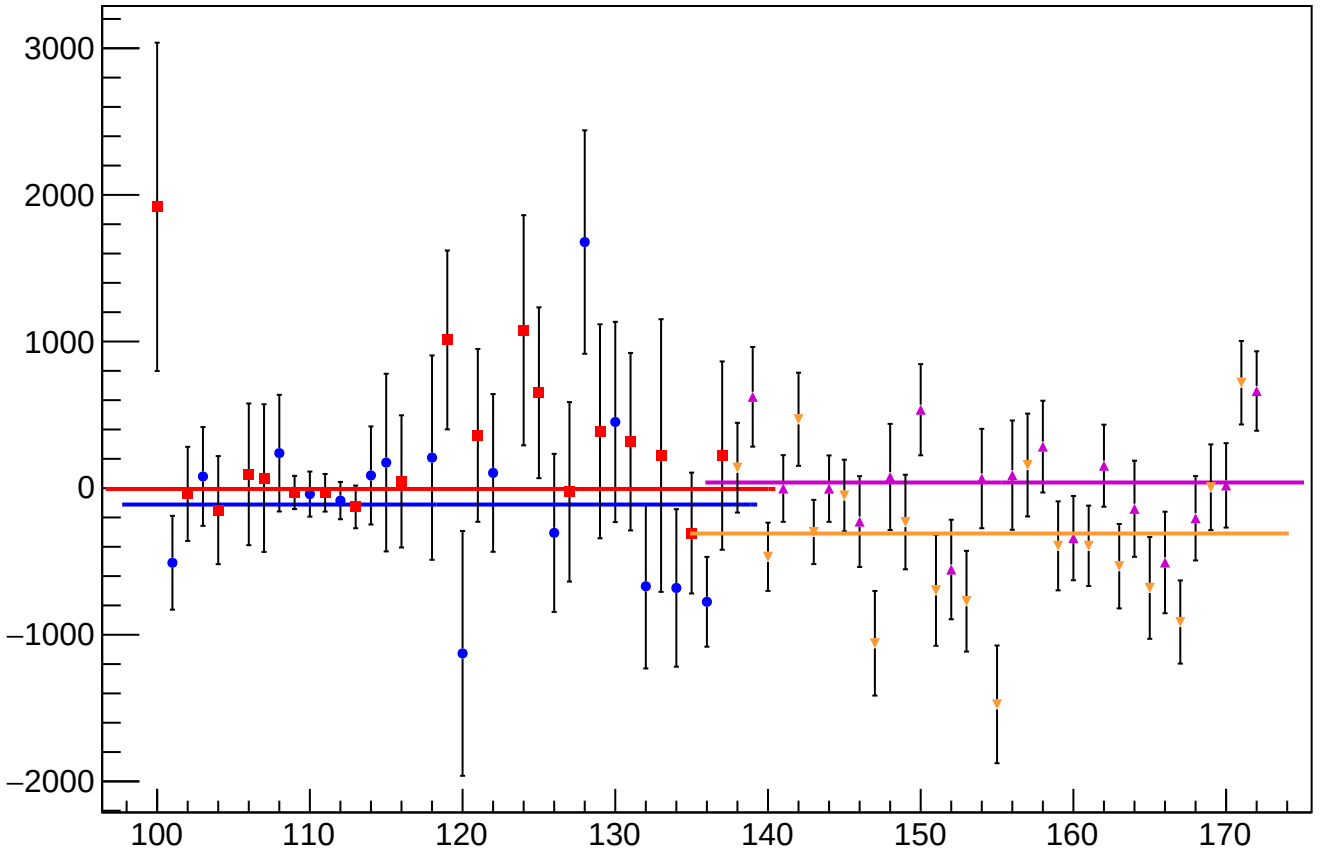
Left: 56.752+/-0.008 χ^2/NDF: 66327.9/34

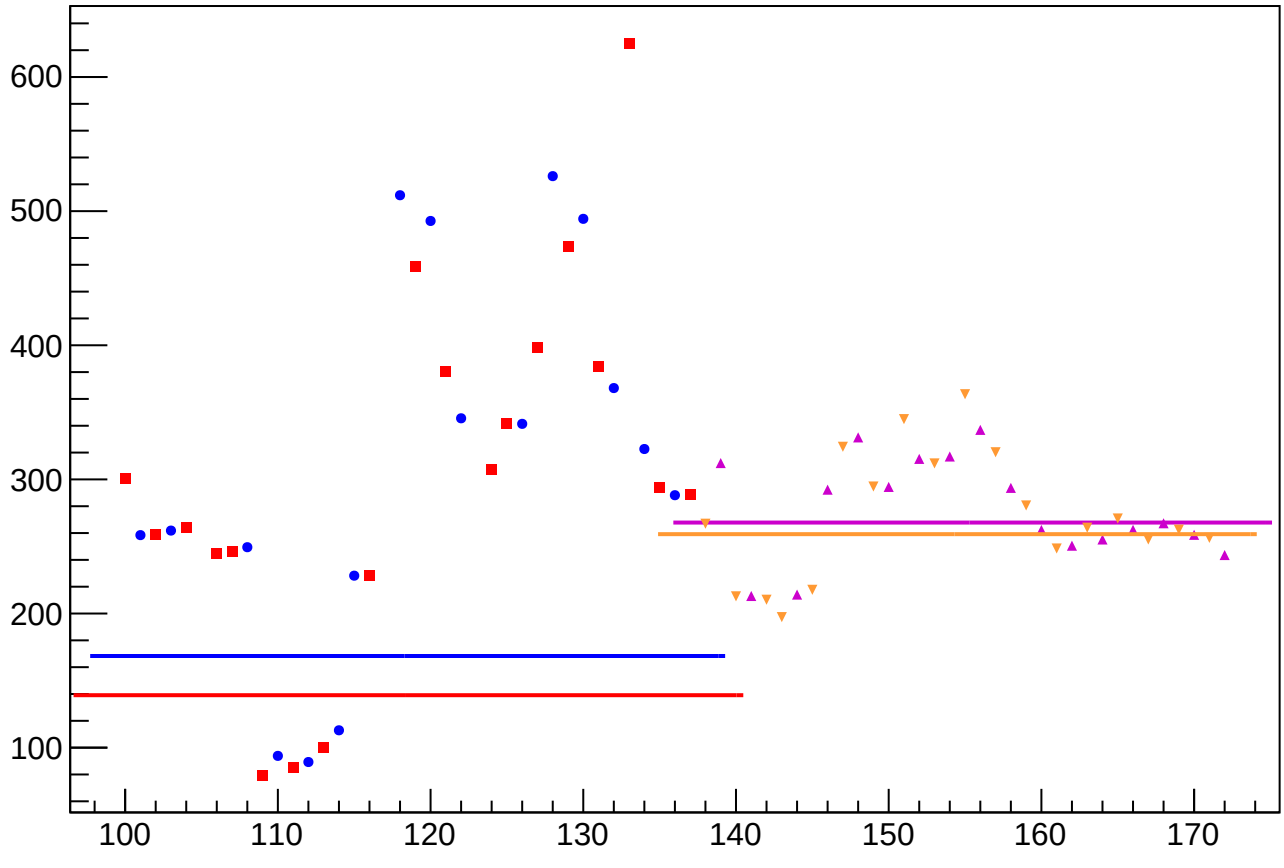
Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.189+/-0.009 χ^2/NDF:341510.9/32

Out: 58.425+/-0.009 χ^2/NDF:397875.5/36

All: 58.308+/-0.006 χ^2/NDF: 739734.2/69


asym_sam8_cor_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
Right In: -111.866+/-76.213 χ²/NDF: 18.5/15
Left Out: -309.270+/-69.856 χ²/NDF:47.9/17
Right Out: -5.616+/-64.085 χ²/NDF: 11.6/18
Left In: 38.511+/-72.361 χ²/NDF:20.7/16
Left: -141.505+/-50.258 χ²/NDF: 80.6/34
Right: -49.624+/-49.049 χ²/NDF: 31.2/34
In: -32.782+/-52.476 χ²/NDF:41.2/32
Out: -144.384+/-47.223 χ²/NDF:69.8/36
All: -94.446+/-35.102 χ²/NDF: 113.6/69



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 259.173+/-0.049 χ^2/NDF:798821.4/17

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 267.819+/-0.051 χ^2/NDF:544594.6/16

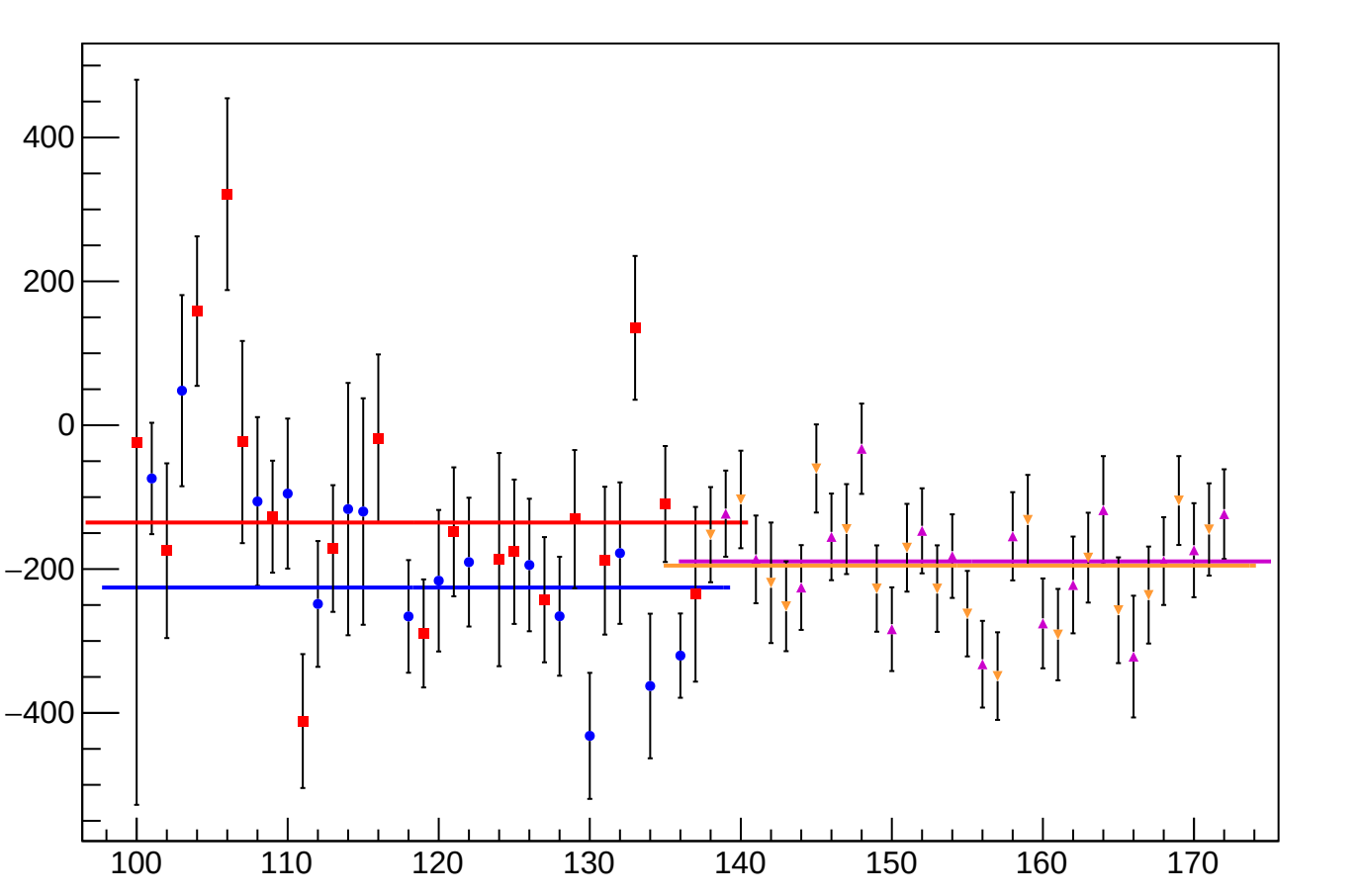
Left: 263.343+/-0.036 χ^2/NDF: 1358195.5/34

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

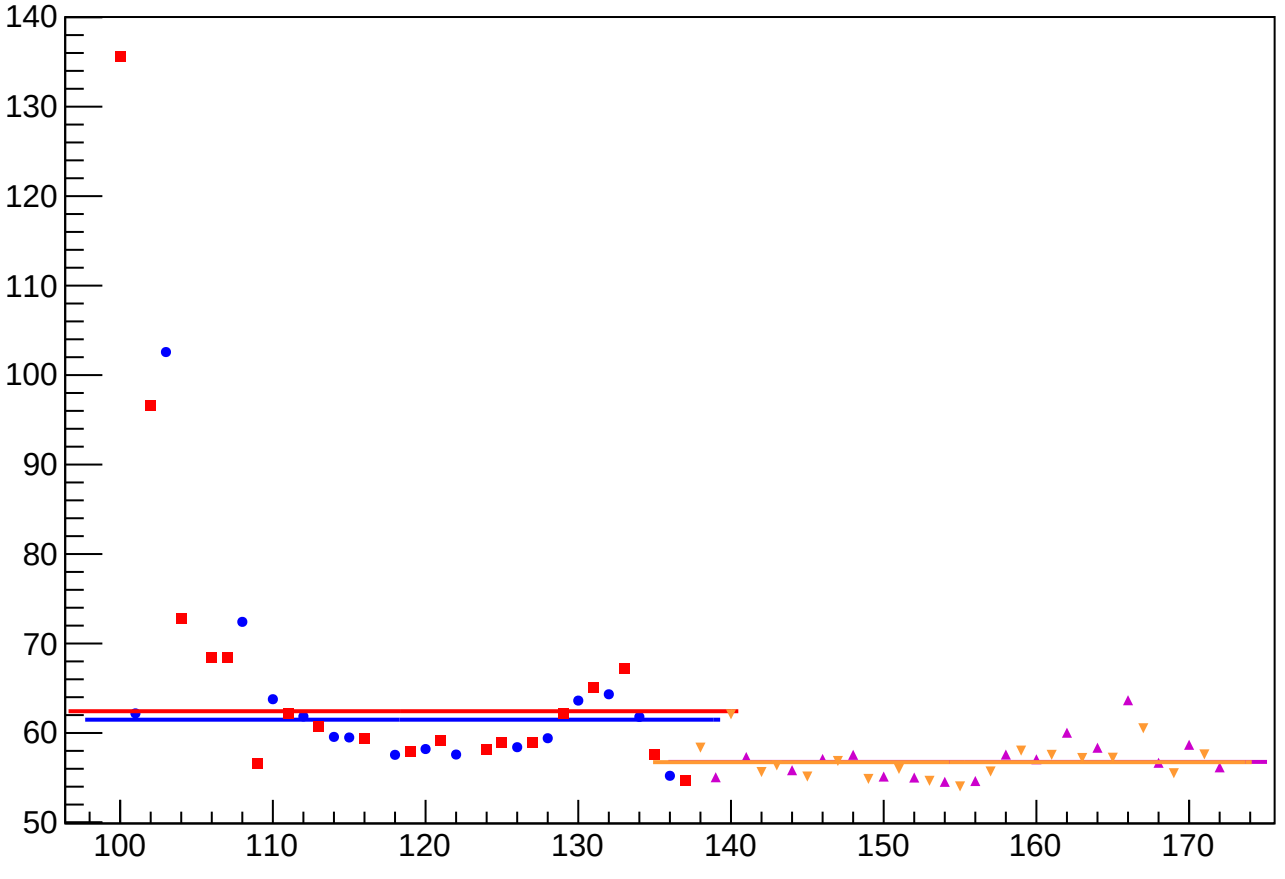
In: 220.652+/-0.037 χ^2/NDF:6881081.2/32

Out: 193.975+/-0.033 χ^2/NDF:9137210.8/36

All: 205.912+/-0.025 χ^2/NDF: 16303875.6/69


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: -195.160+/-15.056 χ²/NDF:24.2/17
Right Out: -135.311+/-23.205 χ²/NDF: 44.9/18
Left In: -189.373+/-15.184 χ²/NDF:23.9/16
Left: -192.291+/-10.691 χ²/NDF: 48.2/34
Right: -180.670+/-16.378 χ²/NDF: 75.1/34
In: -200.318+/-12.691 χ²/NDF:48.2/32
Out: -177.430+/-12.630 χ²/NDF:73.8/36
All: -188.819+/-8.952 χ²/NDF: 123.7/69

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.738+/-0.011 χ^2/NDF:33705.5/17

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.767+/-0.011 χ^2/NDF:32618.8/16

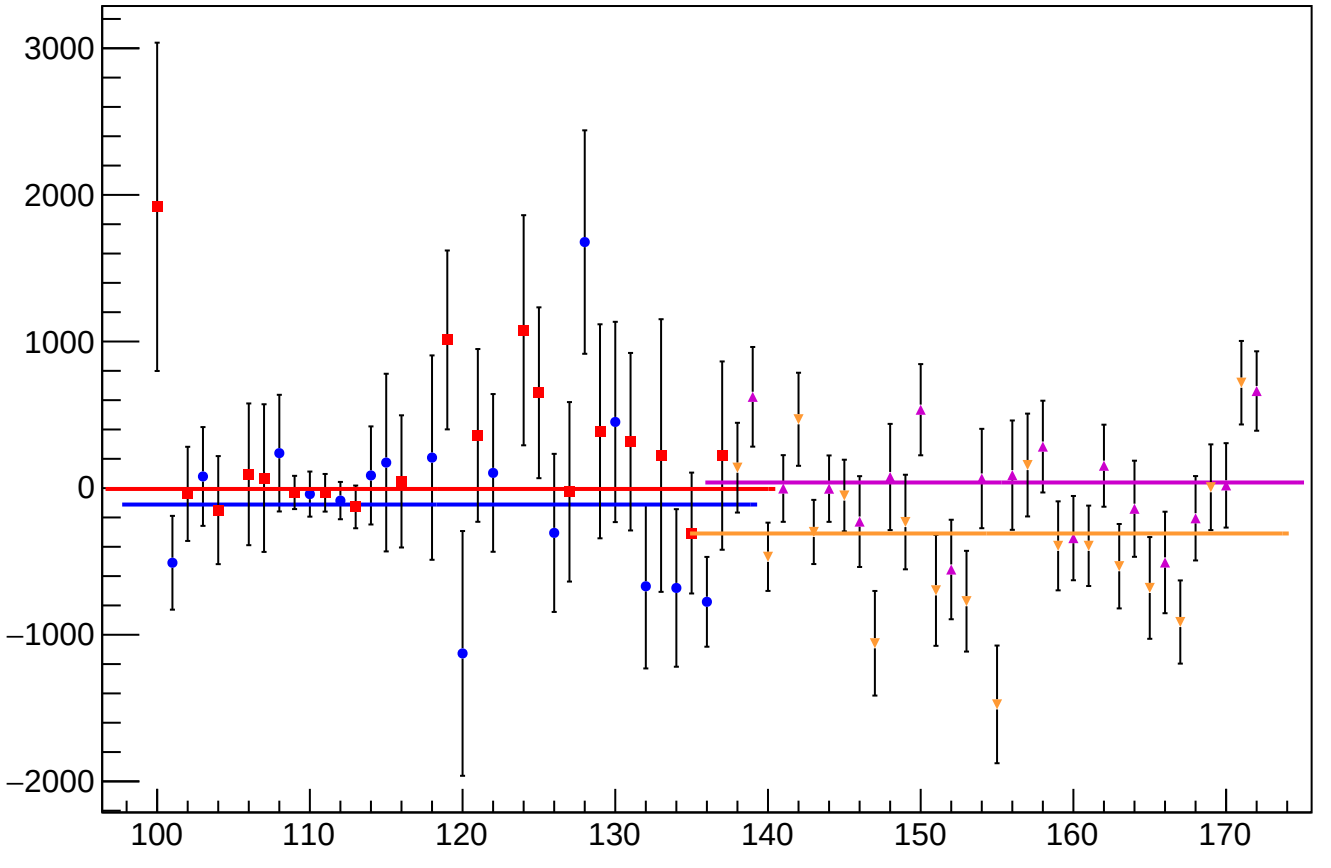
Left: 56.752+/-0.008 χ^2/NDF: 66327.9/34

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.189+/-0.009 χ^2/NDF:341510.9/32

Out: 58.425+/-0.009 χ^2/NDF:397875.5/36

All: 58.308+/-0.006 χ^2/NDF: 739734.2/69



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -309.270+/-69.856 χ^2/NDF:47.9/17

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 38.511+/-72.361 χ^2/NDF:20.7/16

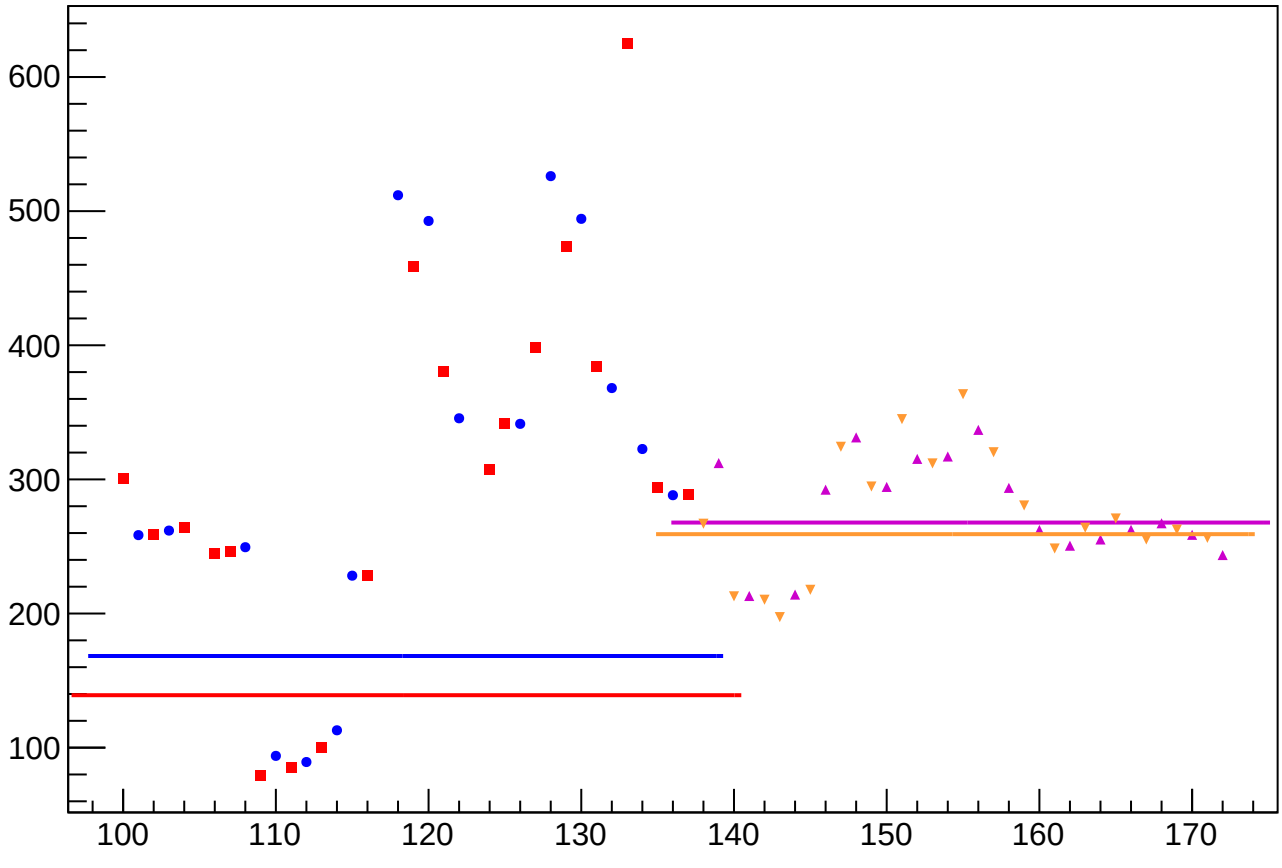
Left: -141.505+/-50.258 χ^2/NDF: 80.6/34

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -32.782+/-52.476 χ^2/NDF:41.2/32

Out: -144.384+/-47.223 χ^2/NDF:69.8/36

All: -94.446+/-35.102 χ^2/NDF: 113.6/69



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 259.173+/-0.049 χ^2/NDF:798821.4/17

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: 263.343+/-0.036 χ^2/NDF: 1358195.5/34

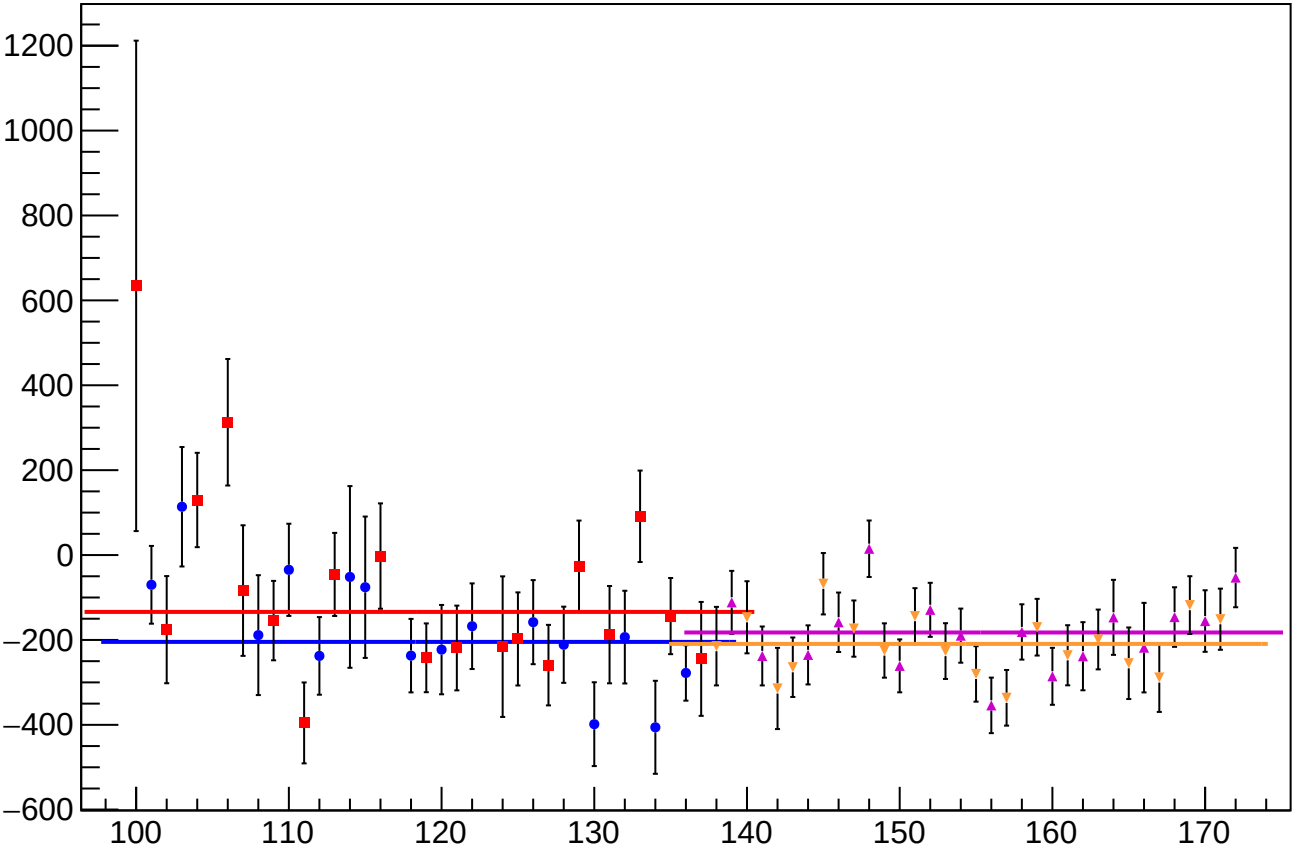
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 220.652+/-0.037 χ^2/NDF:6881081.2/32

Out: 193.975+/-0.033 χ^2/NDF:9137210.8/36

All: 205.912+/-0.025 χ^2/NDF: 16303875.6/69

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -209.314+/-16.934 χ^2/NDF:16.8/17

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: -195.956+/-12.017 χ^2/NDF: 45.2/34

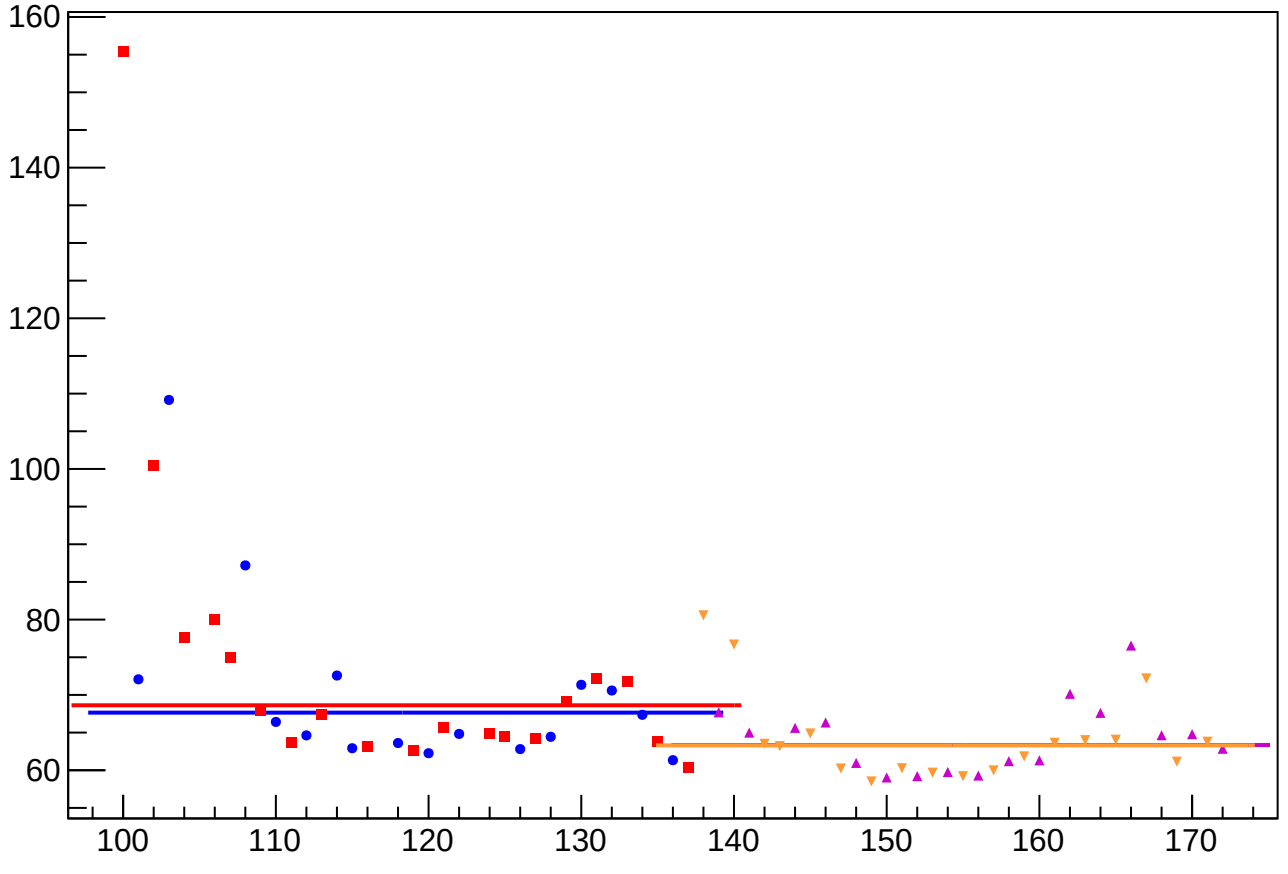
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -189.251+/-14.180 χ^2/NDF:47.7/32

Out: -186.221+/-14.104 χ^2/NDF:60.1/36

All: -187.728+/-10.000 χ^2/NDF: 107.8/69

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 63.303+/-0.012 χ^2/NDF:186675.3/17

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 63.348+/-0.012 χ^2/NDF:104279.2/16

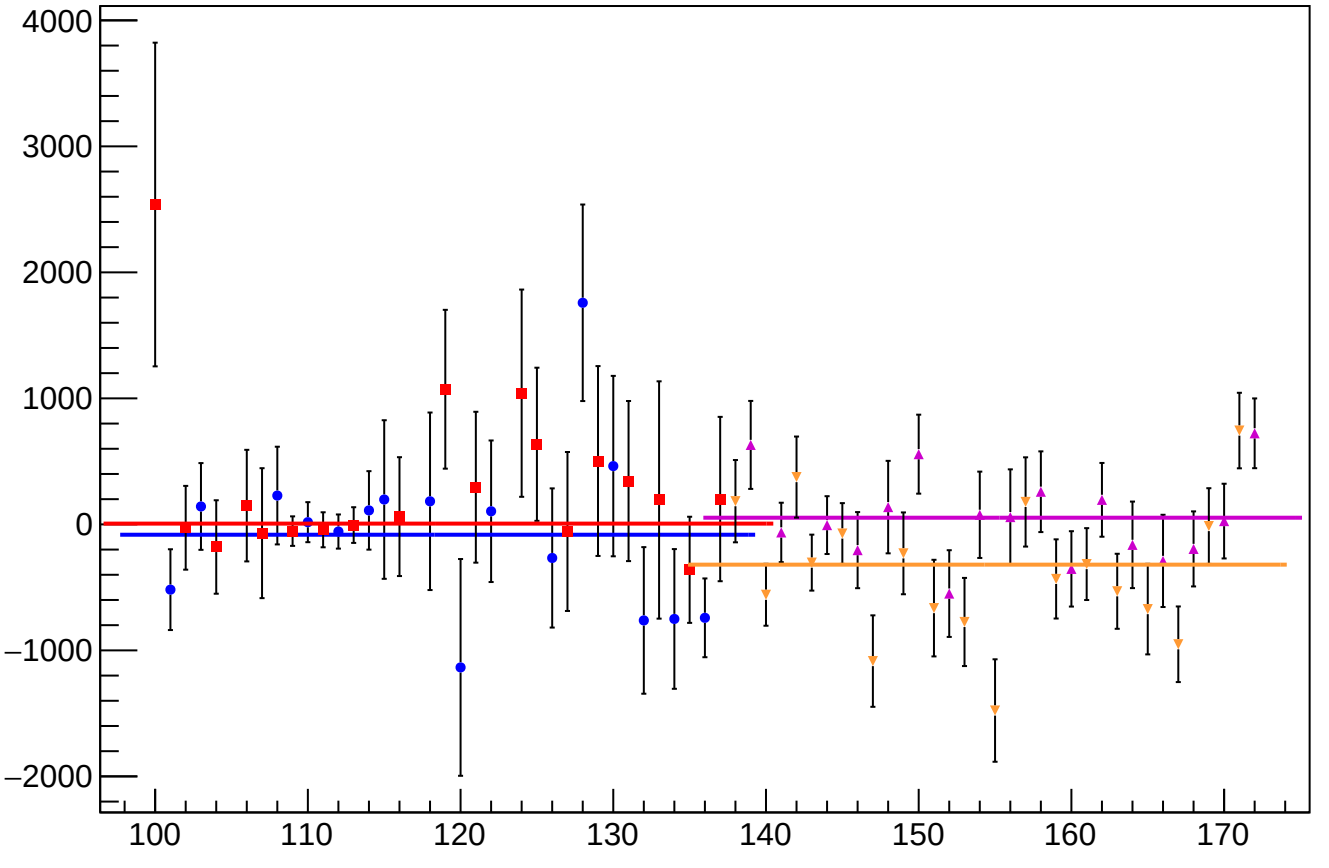
Left: 63.325+/-0.008 χ^2/NDF: 290961.5/34

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 64.675+/-0.010 χ^2/NDF:407185.4/32

Out: 64.933+/-0.010 χ^2/NDF:495329.0/36

All: 64.805+/-0.007 χ^2/NDF: 902846.5/69



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -319.651+/-71.814 χ^2/NDF:45.8/17

Right Out: 6.063+/-65.910 χ^2/NDF: 12.0/18

Left In: 52.827+/-74.135 χ^2/NDF:19.8/16

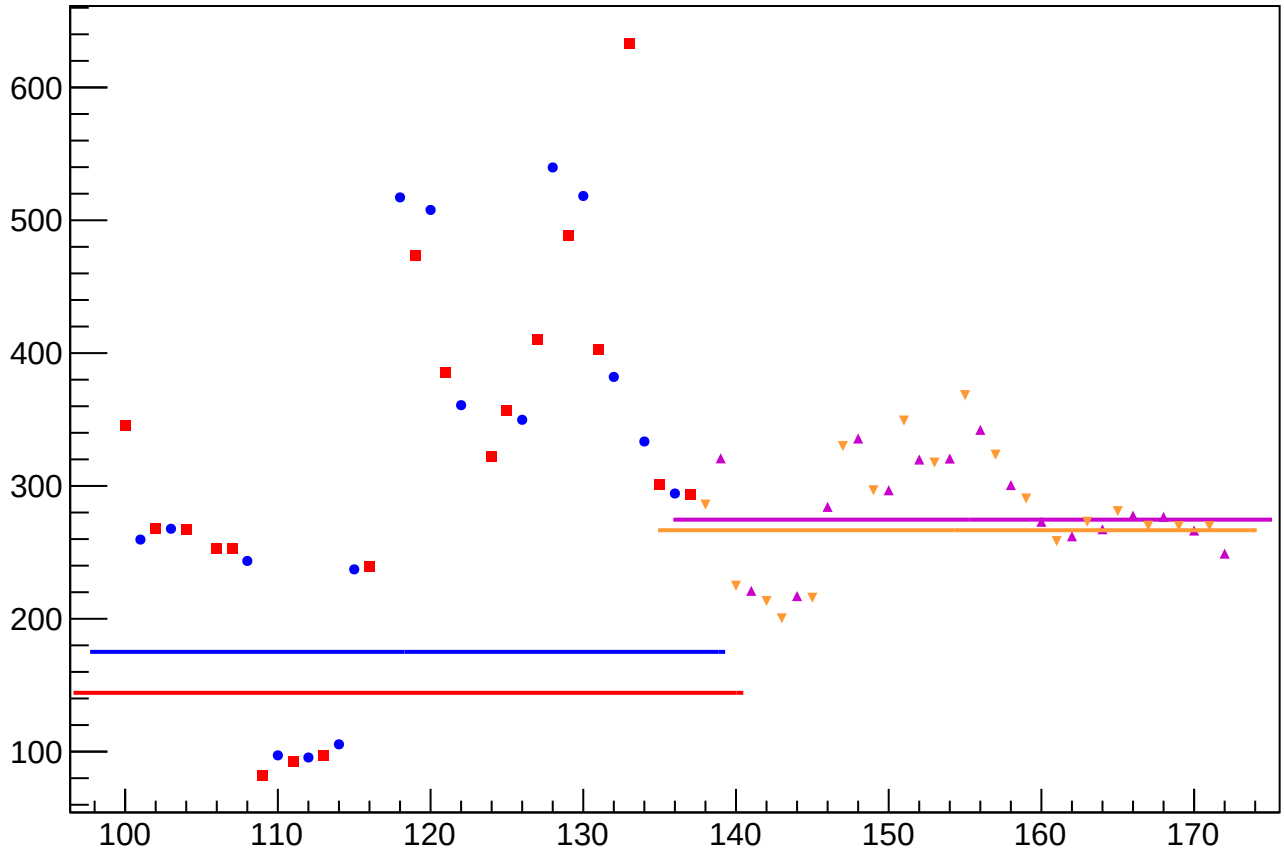
Left: -139.333+/-51.581 χ^2/NDF: 78.6/34

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -10.690+/-53.955 χ^2/NDF:40.6/32

Out: -142.857+/-48.559 χ^2/NDF:69.0/36

All: -83.712+/-36.094 χ^2/NDF: 112.9/69



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 266.667+/-0.051 χ^2/NDF:794771.3/17

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: 270.522+/-0.036 χ^2/NDF: 1309258.8/34

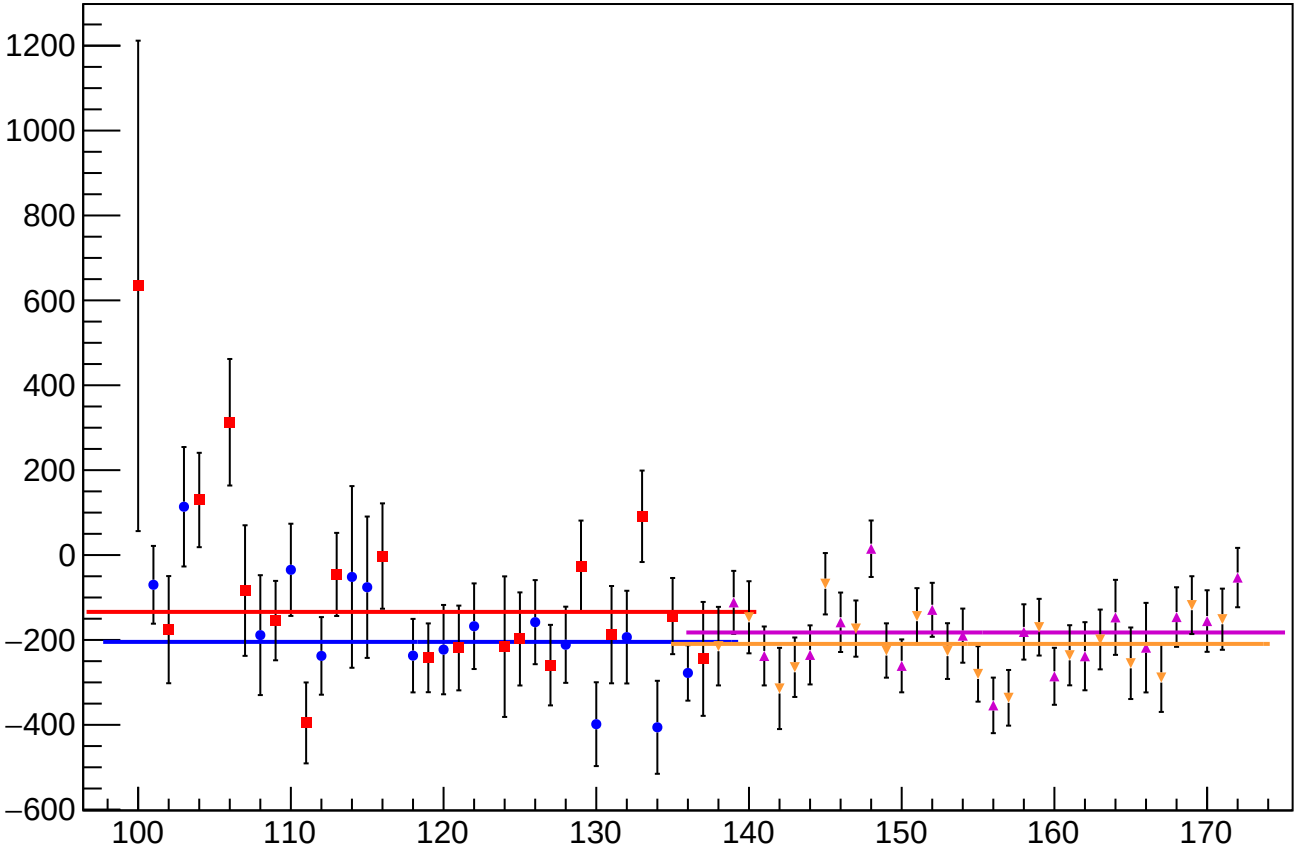
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 227.820+/-0.038 χ^2/NDF:6627115.4/32

Out: 200.235+/-0.034 χ^2/NDF:9080318.6/36

All: 212.579+/-0.026 χ^2/NDF: 15996270.2/69

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -209.314+/-16.934 χ^2/NDF:16.8/17

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: -195.957+/-12.017 χ^2/NDF: 45.2/34

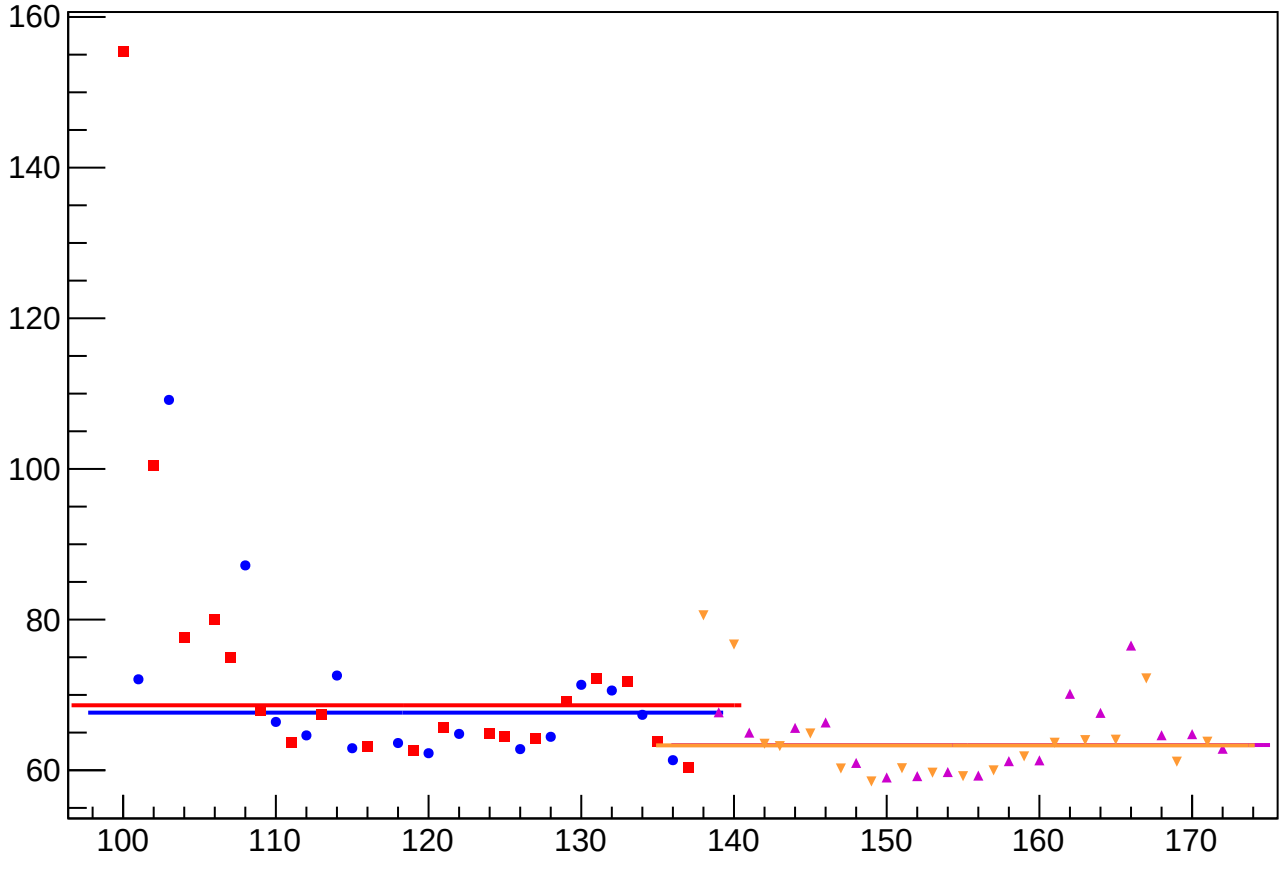
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -189.251+/-14.180 χ^2/NDF:47.7/32

Out: -186.222+/-14.104 χ^2/NDF:60.1/36

All: -187.728+/-10.000 χ^2/NDF: 107.8/69

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 63.303+/-0.012 χ^2/NDF:186674.3/17

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 63.348+/-0.012 χ^2/NDF:104279.4/16

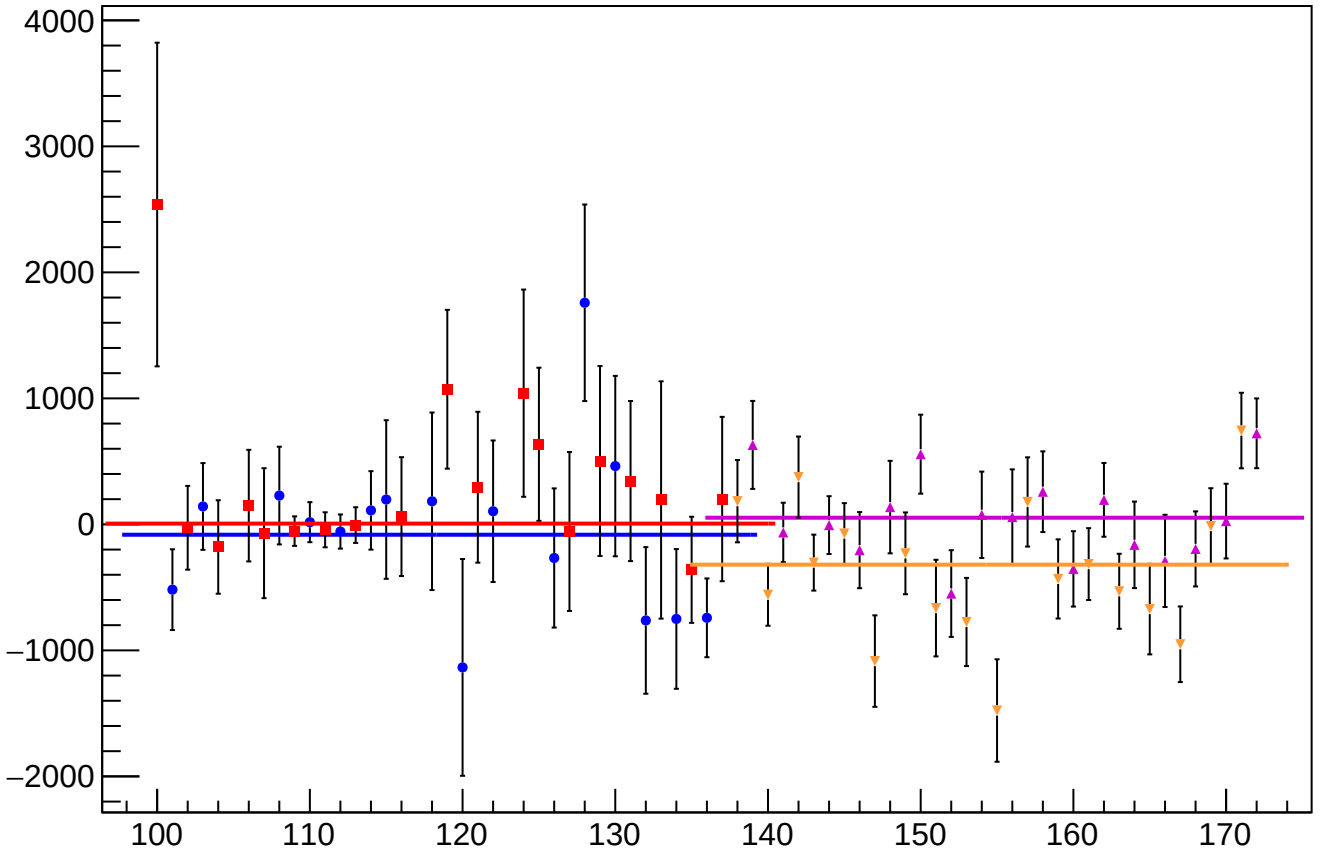
Left: 63.325+/-0.008 χ^2/NDF: 290960.7/34

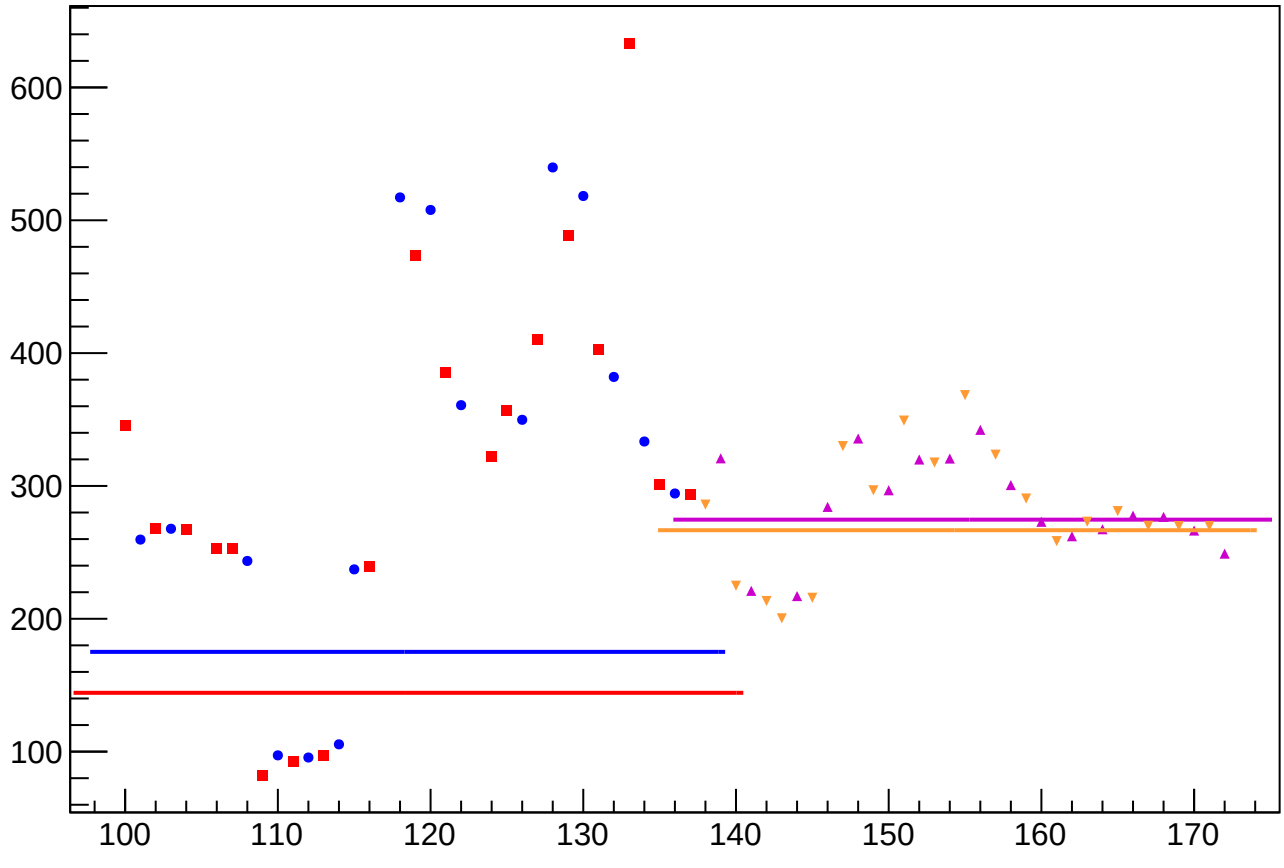
Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 64.675+/-0.010 χ^2/NDF:407180.6/32

Out: 64.933+/-0.010 χ^2/NDF:495324.3/36

All: 64.805+/-0.007 χ^2/NDF: 902837.1/69


asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
Right In: -82.226+/-78.675 χ²/NDF: 19.2/15
Left Out: -319.651+/-71.814 χ²/NDF:45.8/17
Right Out: 6.062+/-65.910 χ²/NDF: 12.0/18
Left In: 52.827+/-74.135 χ²/NDF:19.8/16
Left: -139.333+/-51.581 χ²/NDF: 78.6/34
Right: -30.347+/-50.524 χ²/NDF: 32.0/34
In: -10.690+/-53.955 χ²/NDF:40.6/32
Out: -142.857+/-48.559 χ²/NDF:69.0/36
All: -83.712+/-36.094 χ²/NDF: 112.9/69



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 266.666+/-0.051 χ^2/NDF:794780.0/17

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: 270.521+/-0.036 χ^2/NDF: 1309270.0/34

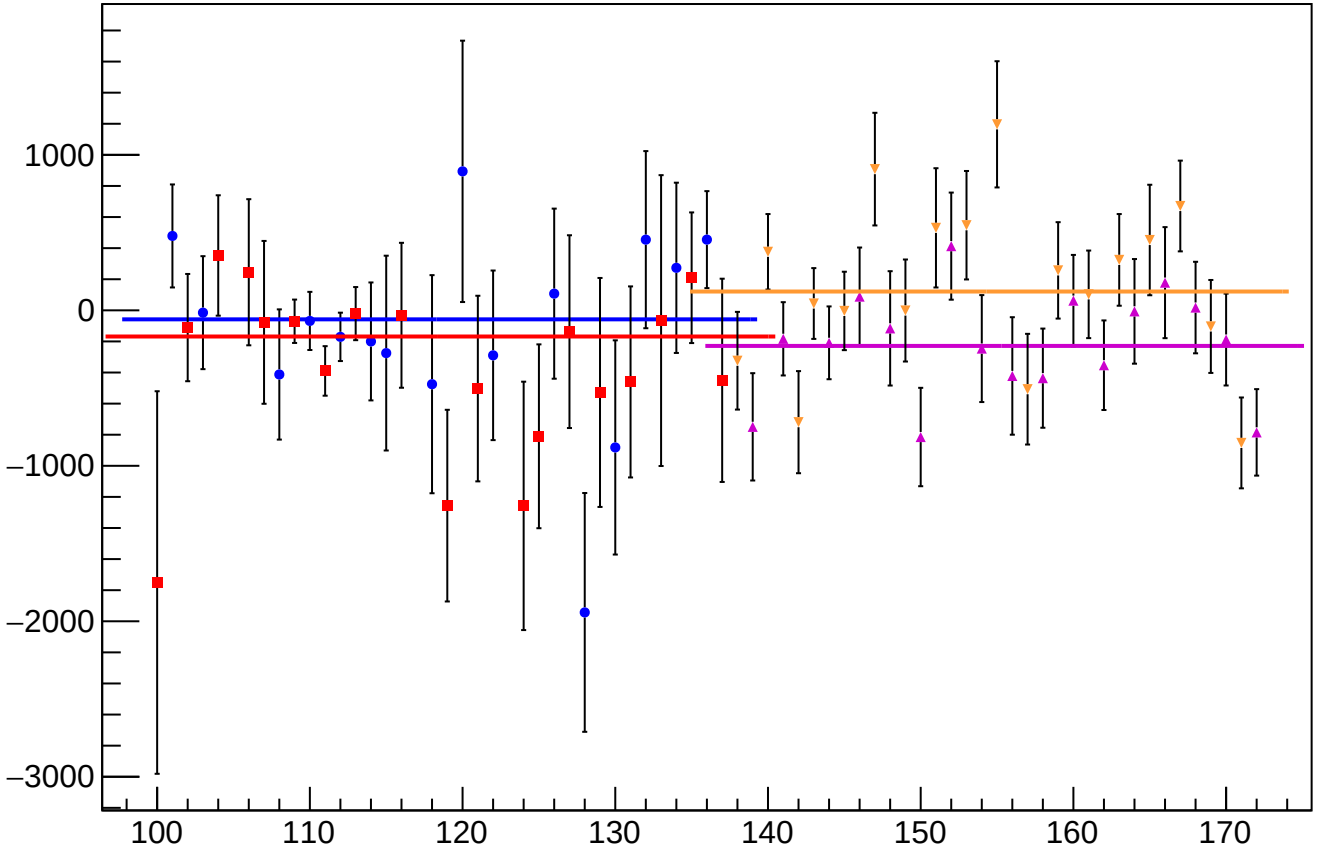
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 227.819+/-0.038 χ^2/NDF:6627171.9/32

Out: 200.234+/-0.034 χ^2/NDF:9080290.7/36

All: 212.578+/-0.026 χ^2/NDF: 15996286.1/69

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 121.000+/-71.731 χ^2/NDF:44.4/17

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: -48.178+/-51.548 χ^2/NDF: 74.6/34

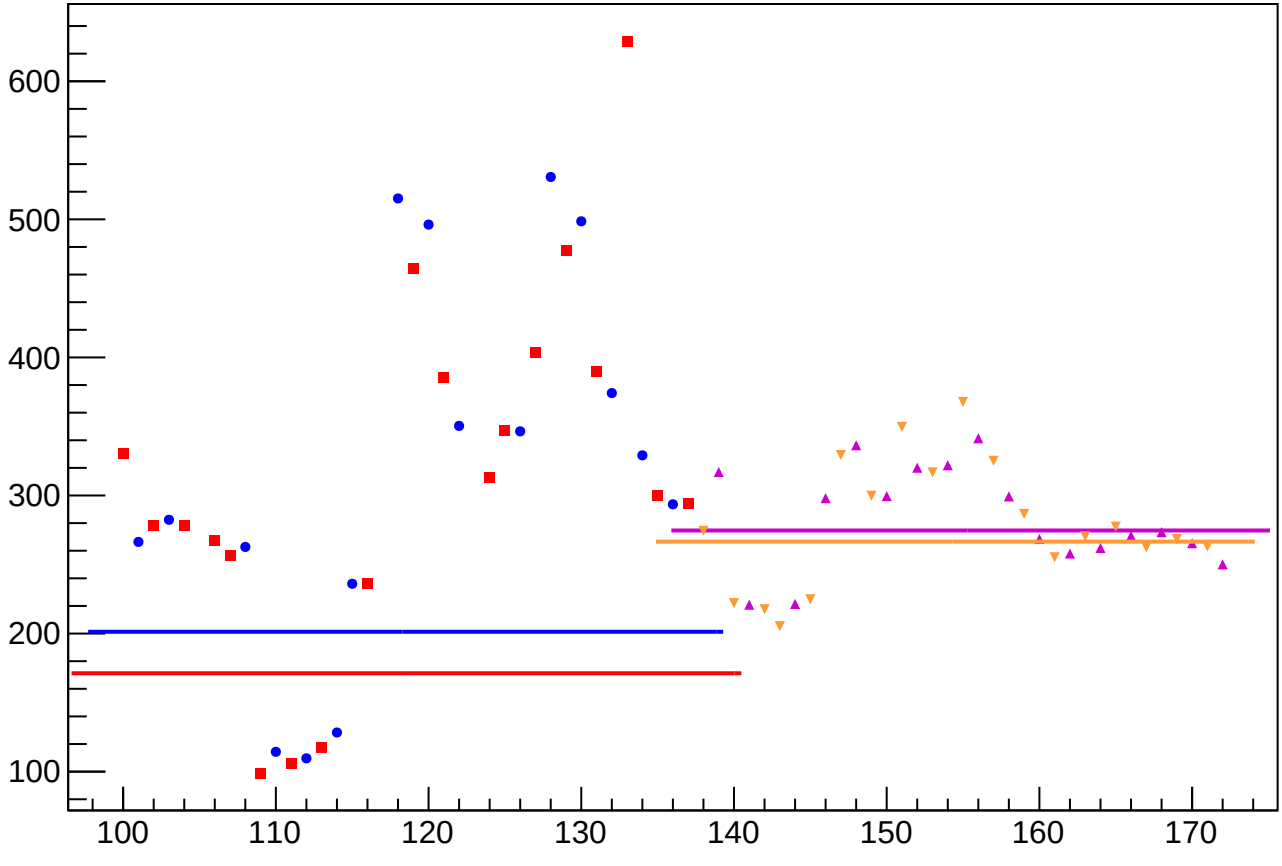
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -156.874+/-56.395 χ^2/NDF:38.2/32

Out: -17.994+/-51.705 χ^2/NDF:67.7/36

All: -81.420+/-38.111 χ^2/NDF: 109.3/69

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 266.577+/-0.051 χ^2/NDF:720969.6/17

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 274.665+/-0.052 χ^2/NDF:492281.1/16

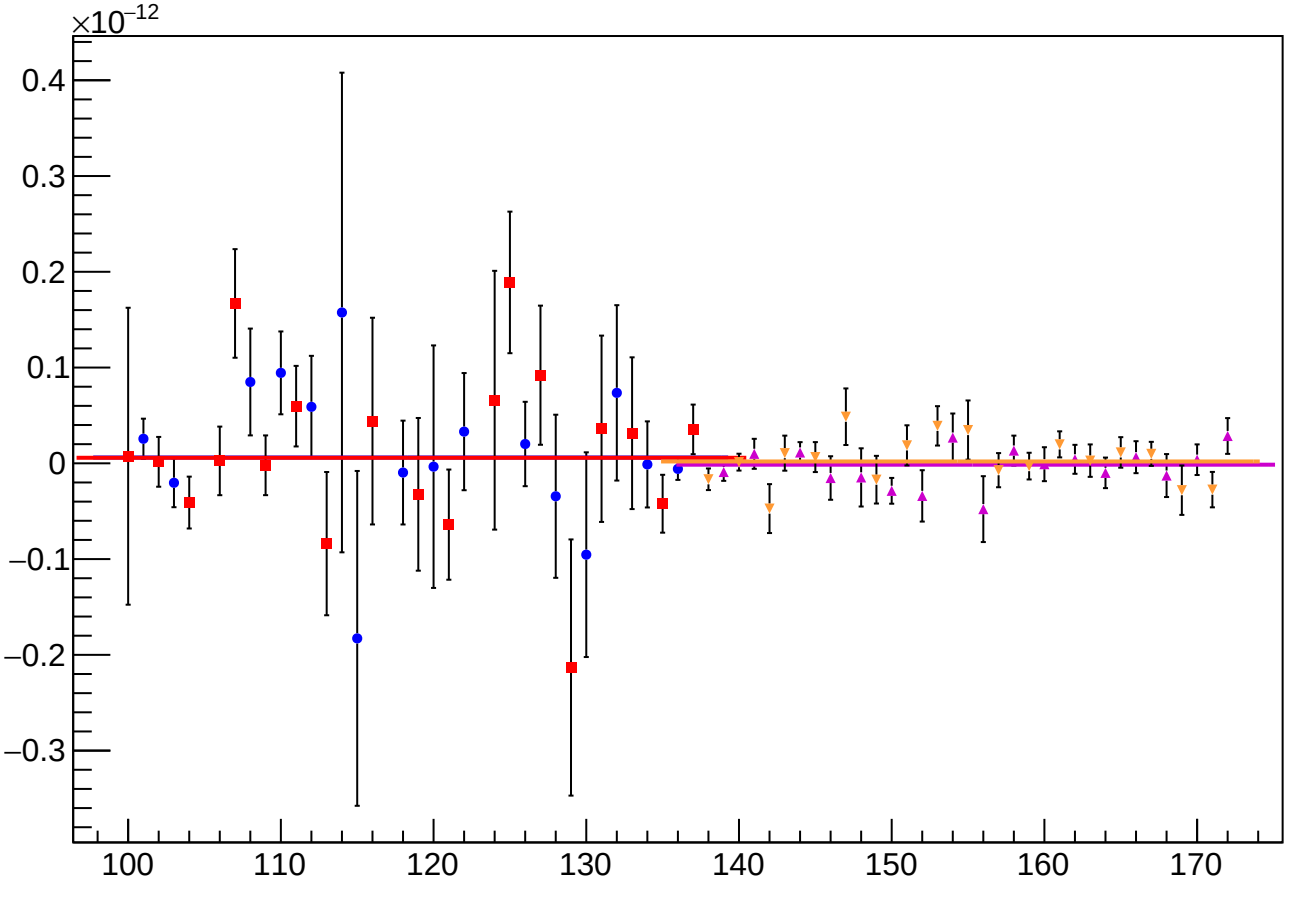
Left: 270.488+/-0.036 χ^2/NDF: 1225545.5/34

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 243.761+/-0.040 χ^2/NDF:4889655.0/32

Out: 220.782+/-0.037 χ^2/NDF:6610425.9/36

All: 231.276+/-0.027 χ^2/NDF: 11680497.7/69



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

Left Out: 0.000+/-0.000 χ^2/NDF:21.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:16.3/16

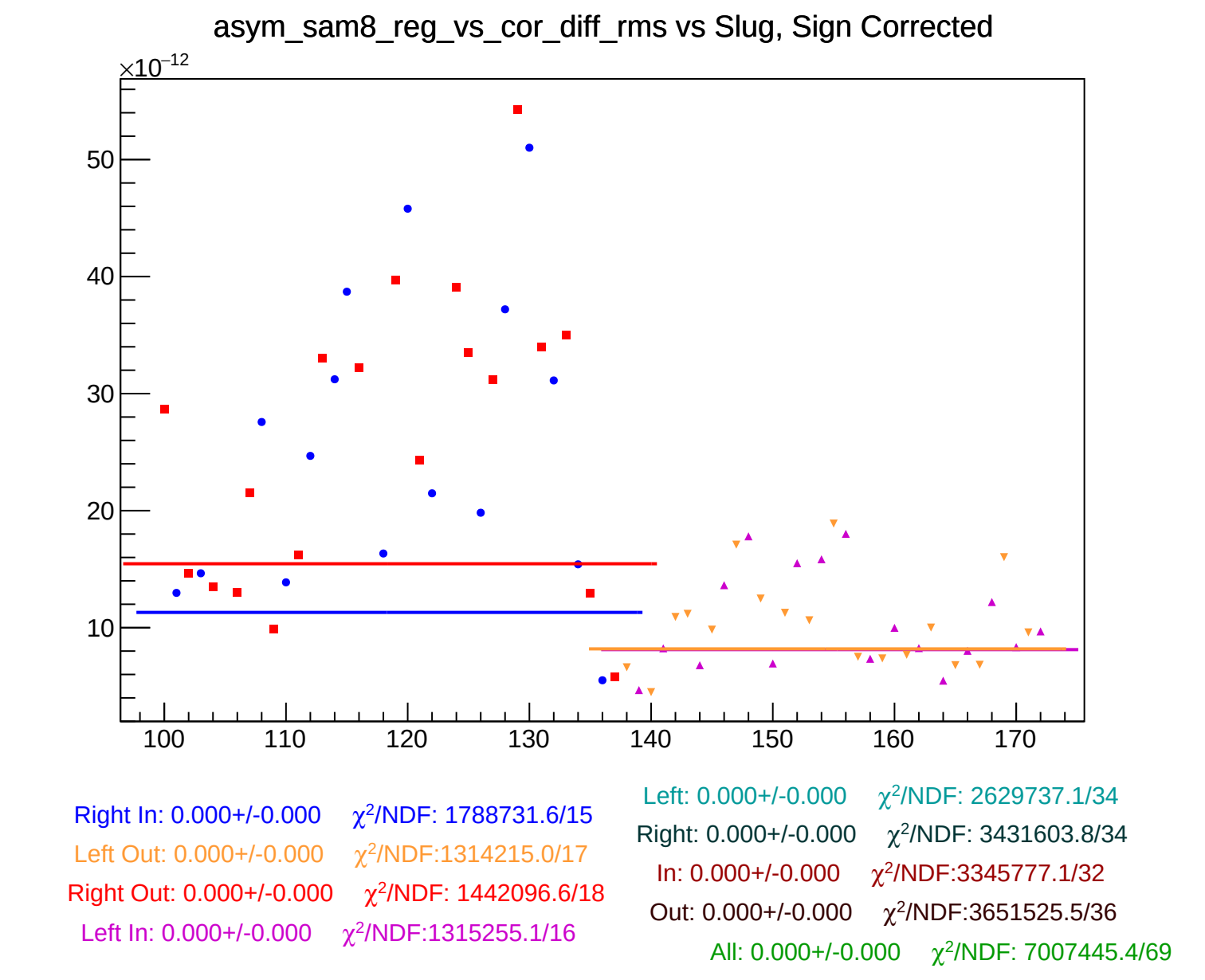
Left: 0.000+/-0.000 χ^2/NDF: 38.3/34

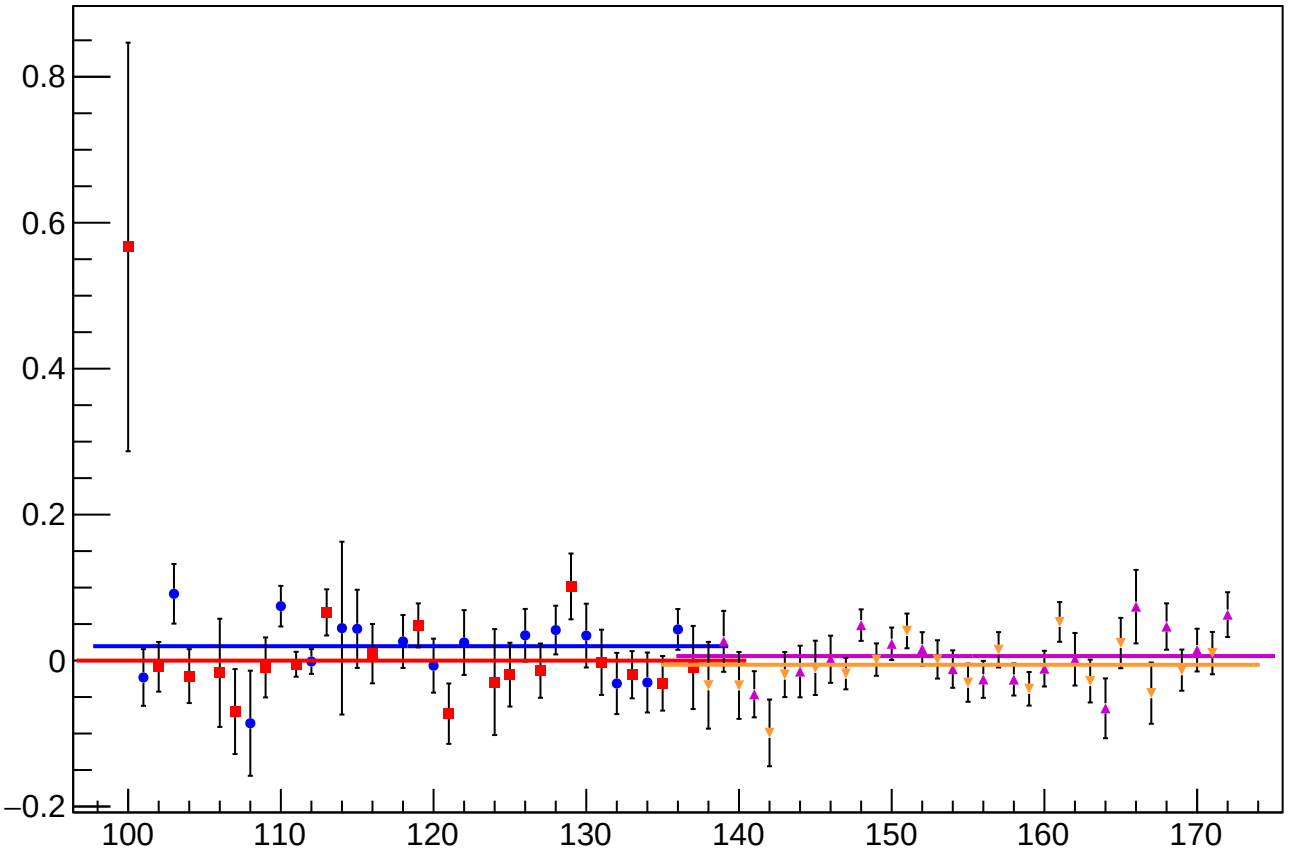
Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:30.8/32

Out: 0.000+/-0.000 χ^2/NDF:52.3/36

All: 0.000+/-0.000 χ^2/NDF: 83.3/69


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:1314215.0/17
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: 2629737.1/34
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:3651525.5/36
All: 0.000+/-0.000 χ²/NDF: 7007445.4/69



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.1/17

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.006+/-0.007 χ^2/NDF:22.7/16

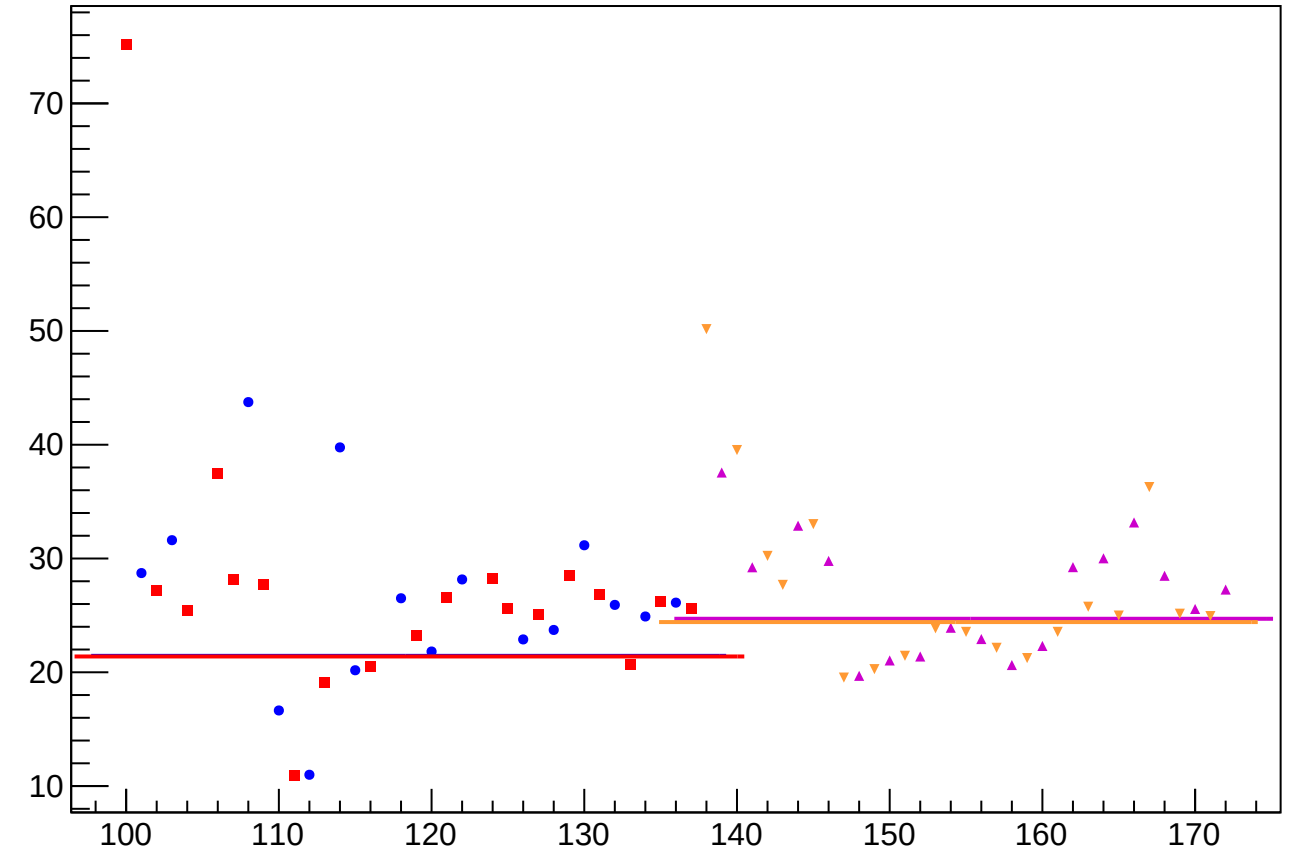
Left: 0.000+/-0.005 χ^2/NDF: 44.3/34

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:43.3/36

All: 0.004+/-0.004 χ^2/NDF: 88.3/69



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.414+/-0.005 χ^2/NDF:1184294.1/17

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.703+/-0.005 χ^2/NDF:855846.0/16

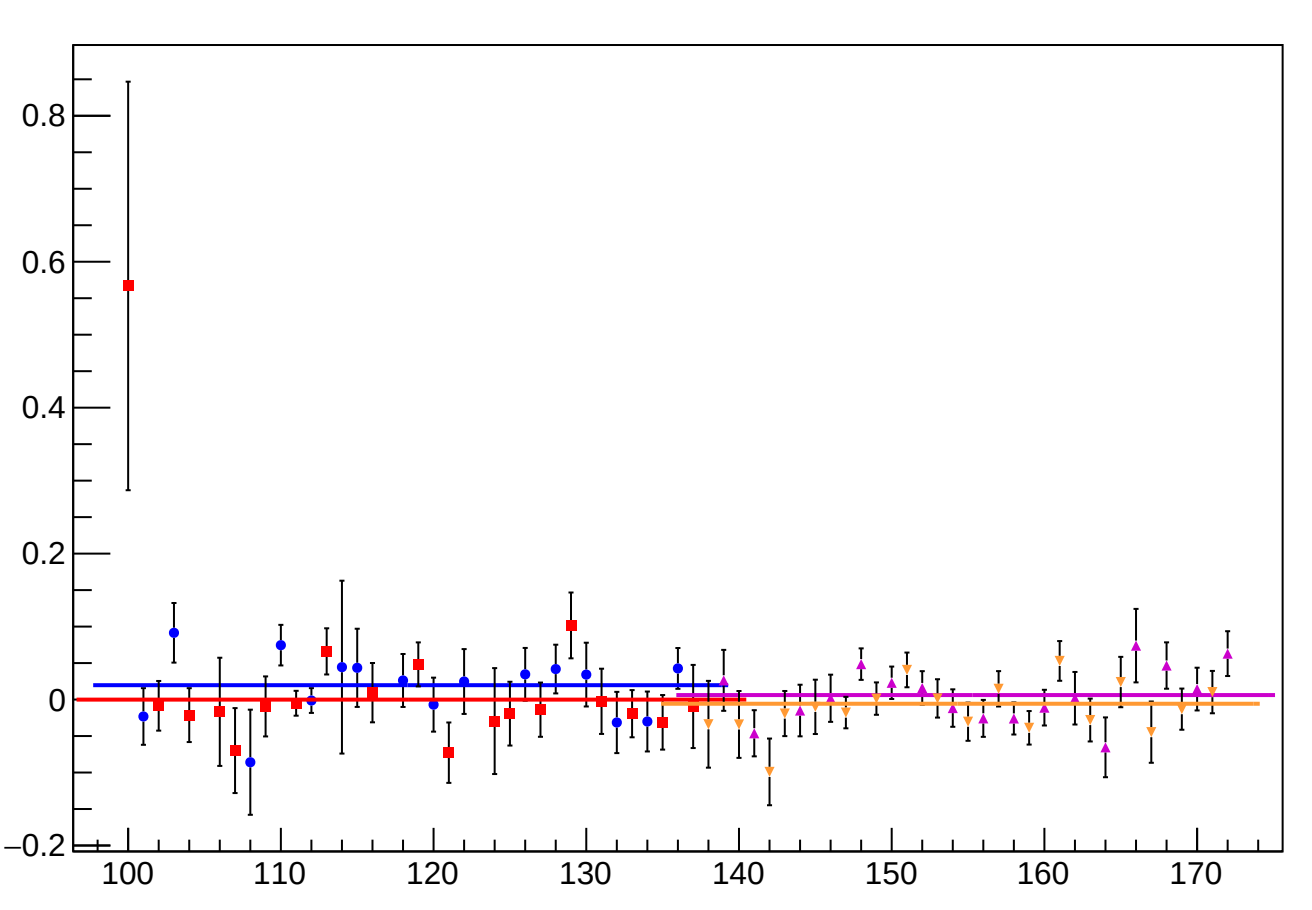
Left: 24.556+/-0.003 χ^2/NDF: 2041936.0/34

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.448+/-0.004 χ^2/NDF:2569762.2/32

Out: 23.241+/-0.004 χ^2/NDF:2650998.9/36

All: 23.343+/-0.003 χ^2/NDF: 5222261.7/69



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.1/17

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.006+/-0.007 χ^2/NDF:22.7/16

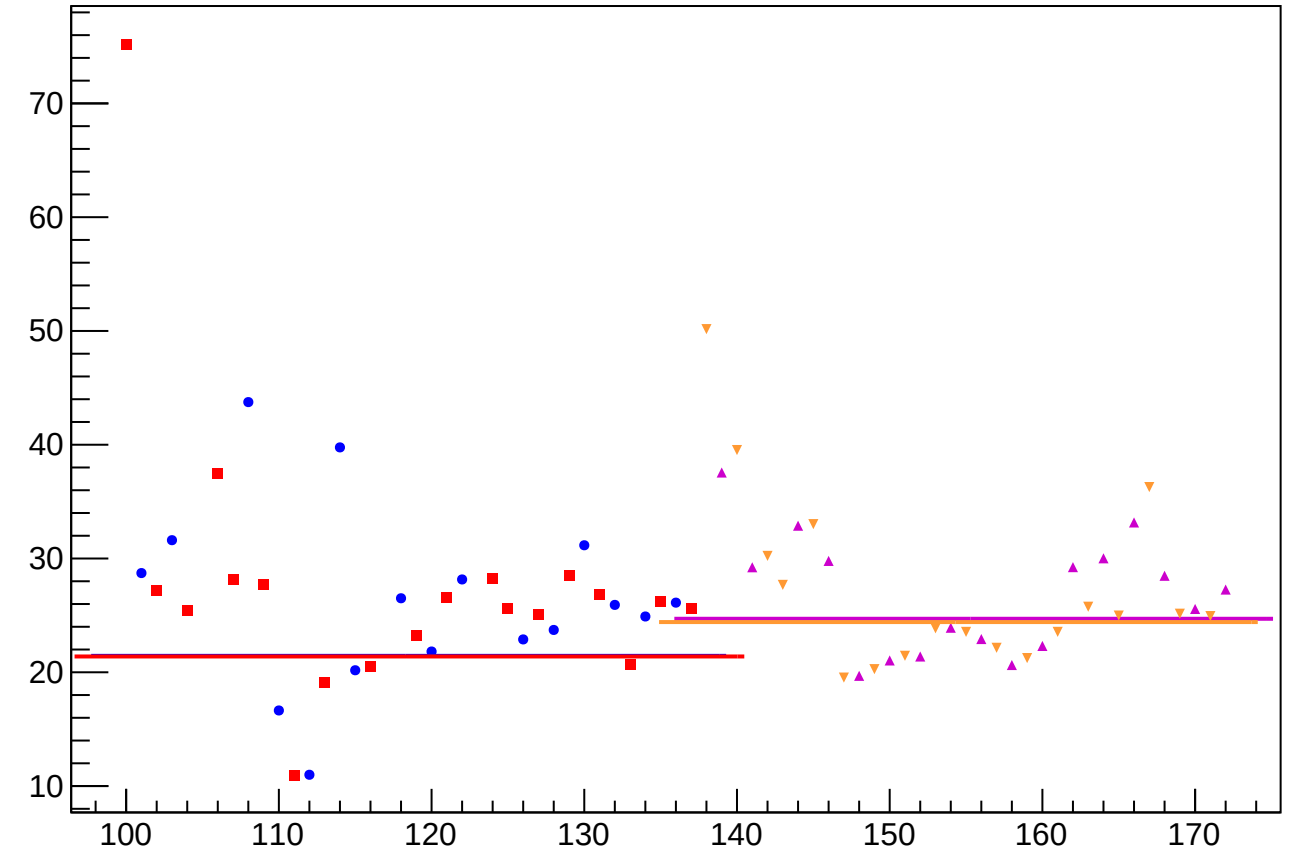
Left: 0.000+/-0.005 χ^2/NDF: 44.3/34

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:43.3/36

All: 0.004+/-0.004 χ^2/NDF: 88.3/69



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.414+/-0.005 χ^2/NDF:1184294.1/17

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.703+/-0.005 χ^2/NDF:855846.0/16

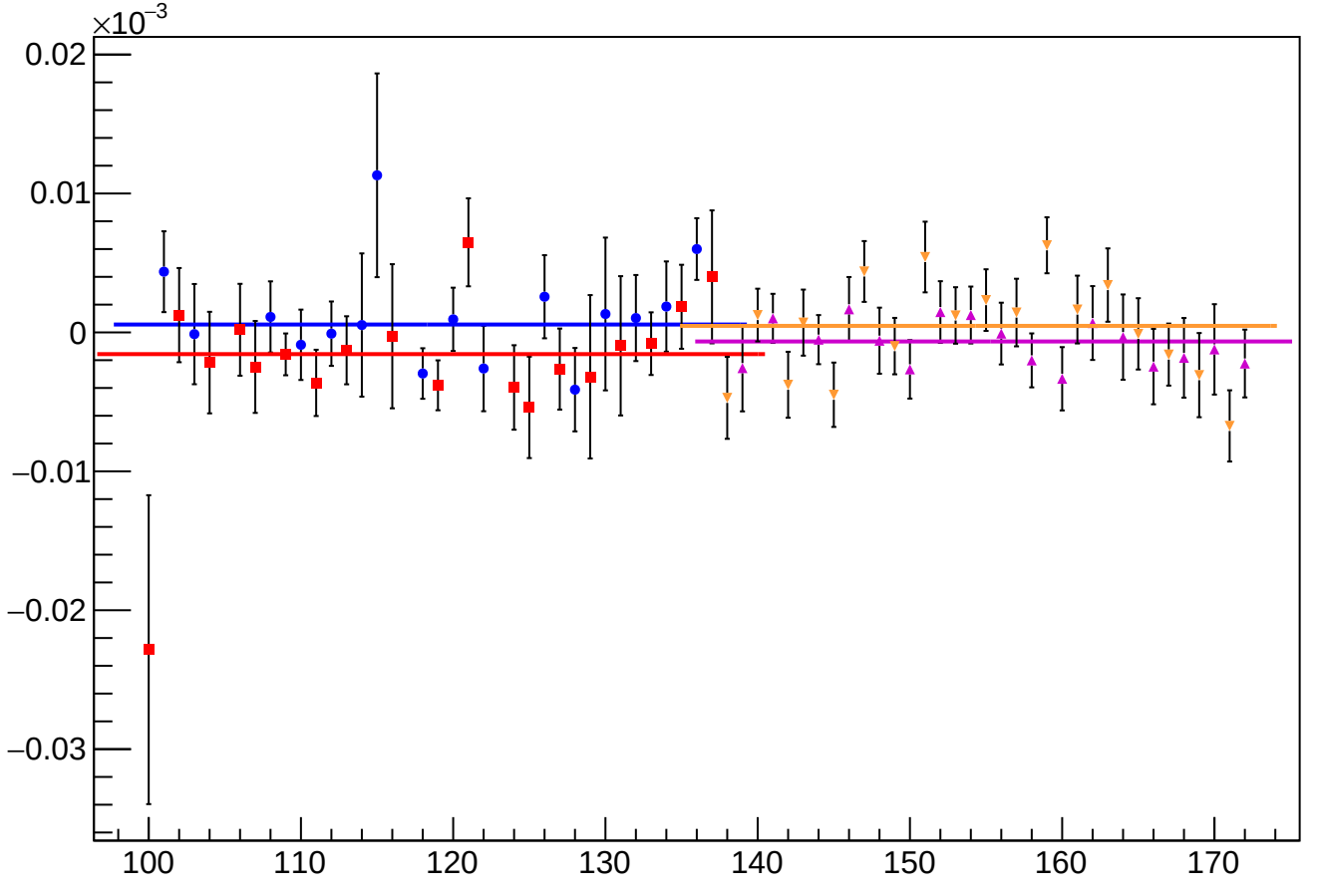
Left: 24.556+/-0.003 χ^2/NDF: 2041936.0/34

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.448+/-0.004 χ^2/NDF:2569762.2/32

Out: 23.241+/-0.004 χ^2/NDF:2650998.9/36

All: 23.343+/-0.003 χ^2/NDF: 5222261.7/69



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

Left Out: 0.000+/-0.000 χ^2/NDF:39.5/17

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/16

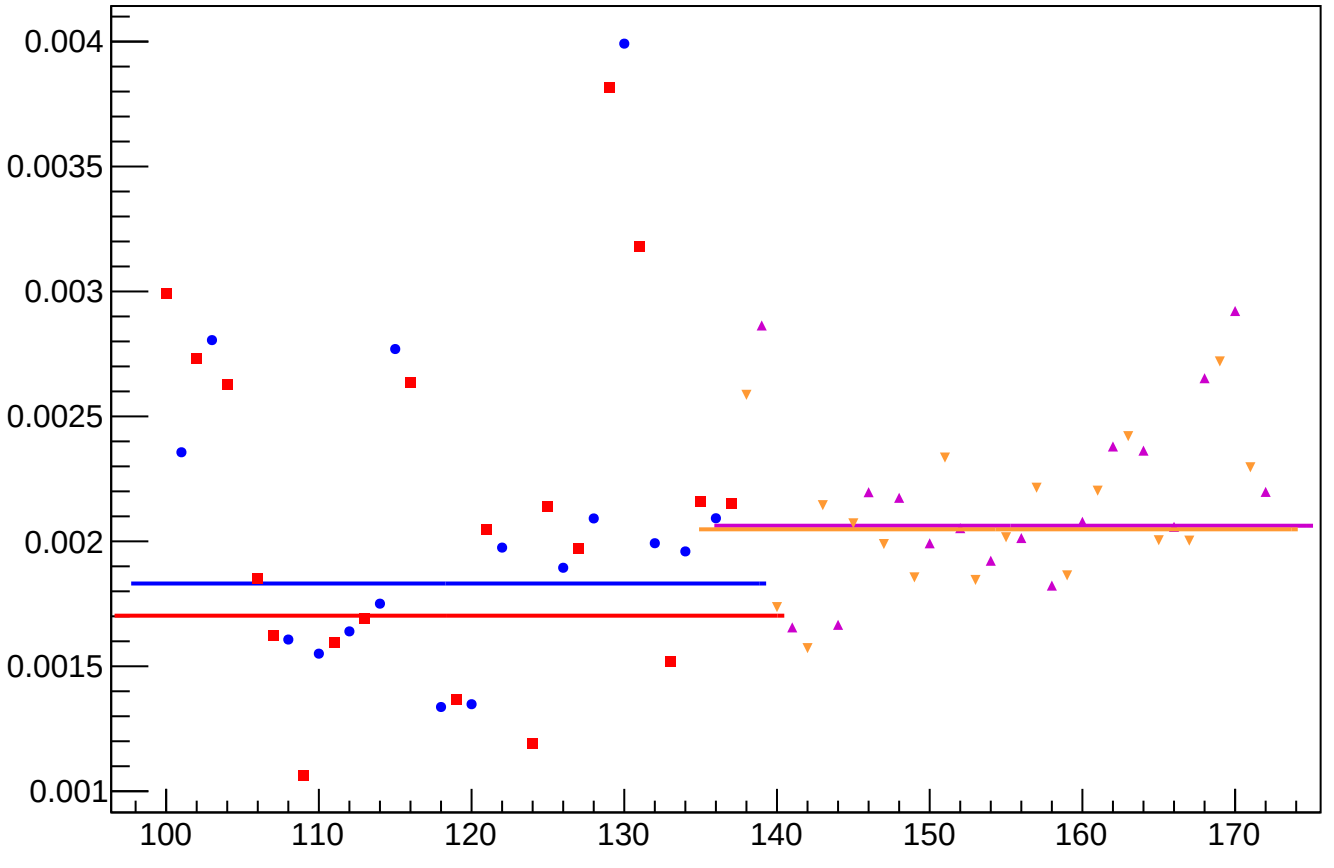
Left: -0.000+/-0.000 χ^2/NDF: 49.7/34

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:63.4/36

All: -0.000+/-0.000 χ^2/NDF: 91.8/69



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:461756.3/17

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:671858.1/16

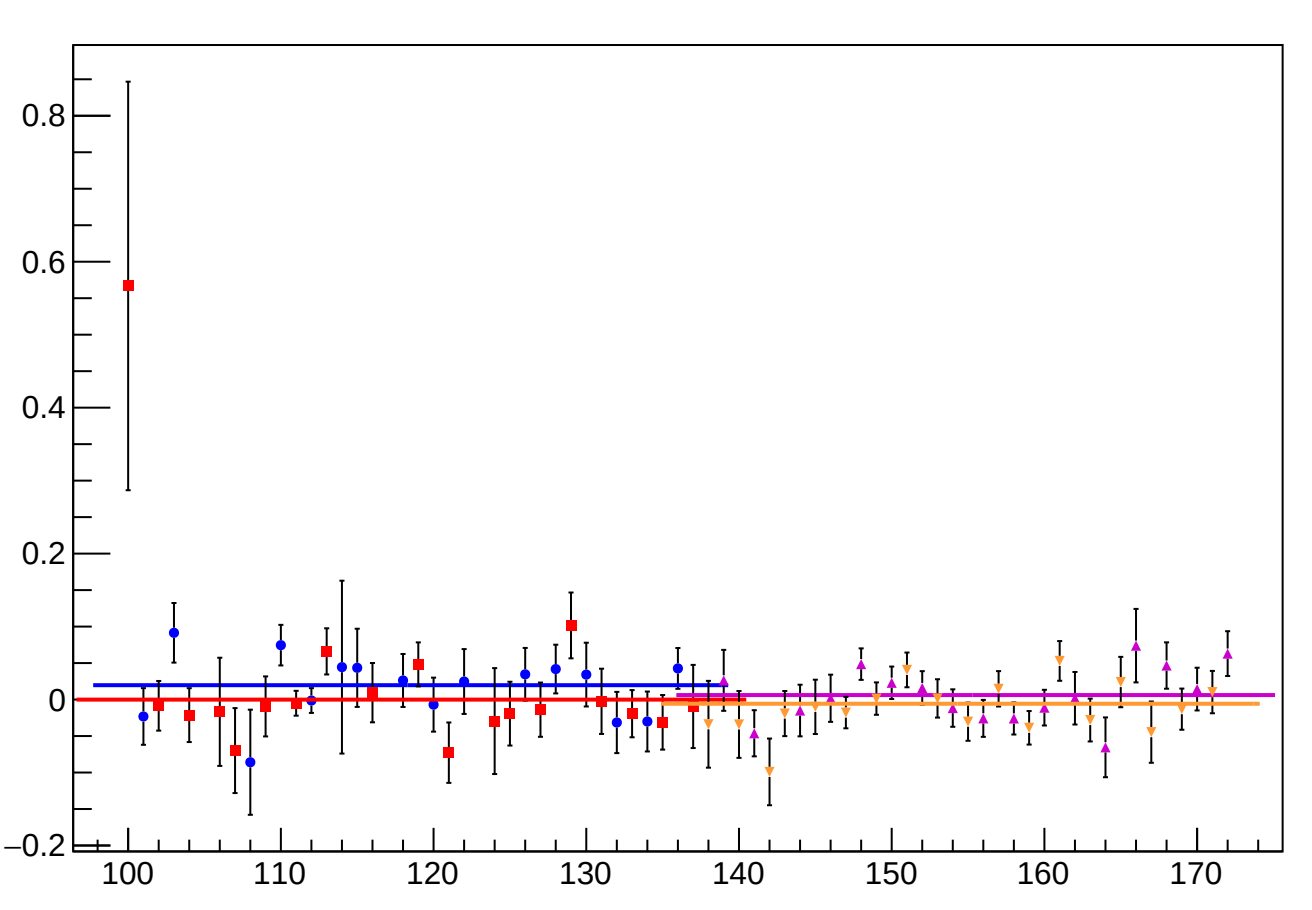
Left: 0.002+/-0.000 χ^2/NDF: 1134293.4/34

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:2264621.9/36

All: 0.002+/-0.000 χ^2/NDF: 3992822.5/69



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.1/17

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: 44.3/34

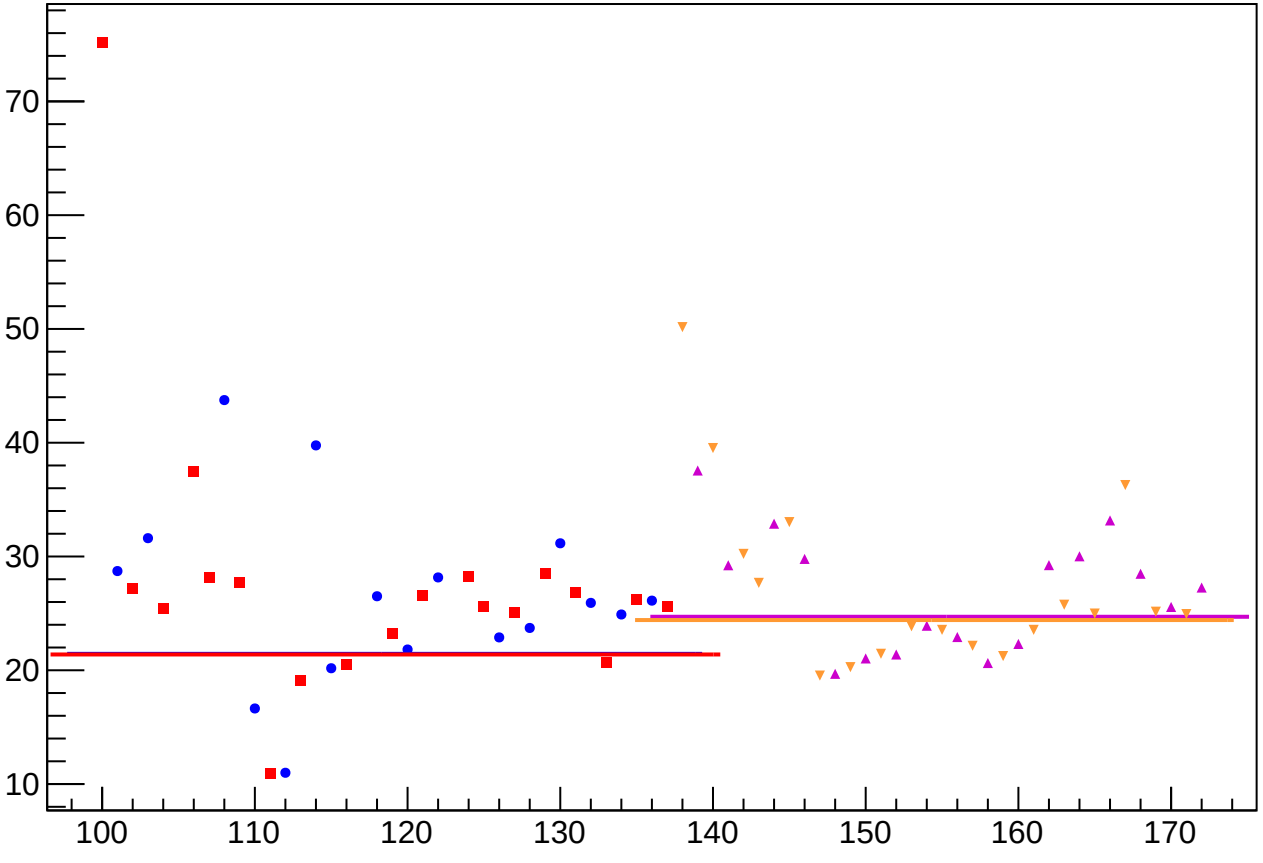
Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.011+/-0.005 χ^2/NDF:41.2/32

Out: -0.004+/-0.005 χ^2/NDF:43.3/36

All: 0.004+/-0.004 χ^2/NDF: 88.3/69

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.414+/-0.005 χ^2/NDF:1184293.5/17

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: 24.556+/-0.003 χ^2/NDF: 2041940.9/34

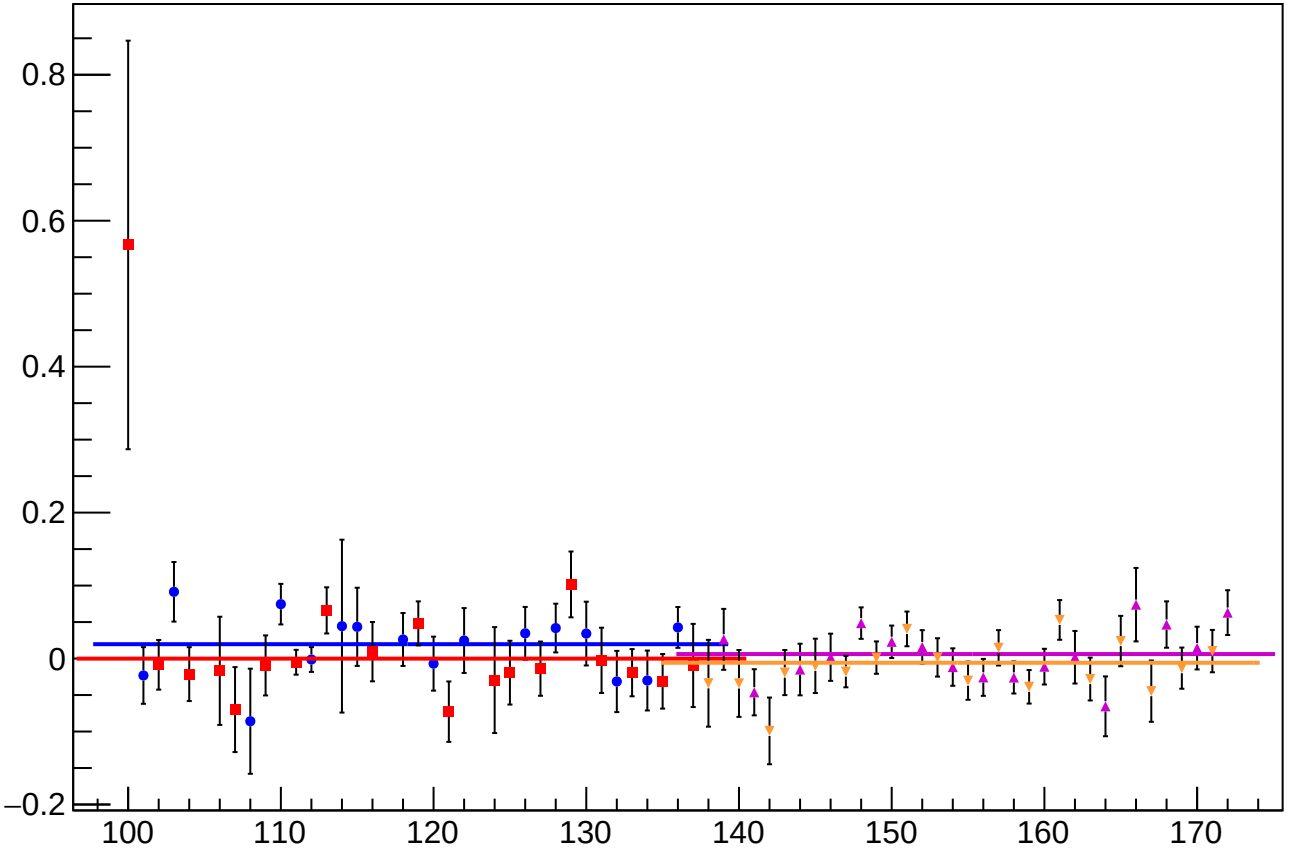
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.448+/-0.004 χ^2/NDF:2570003.6/32

Out: 23.241+/-0.004 χ^2/NDF:2651200.2/36

All: 23.343+/-0.003 χ^2/NDF: 5222704.7/69

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:20.1/17

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.006+/-0.007 χ^2/NDF:22.7/16

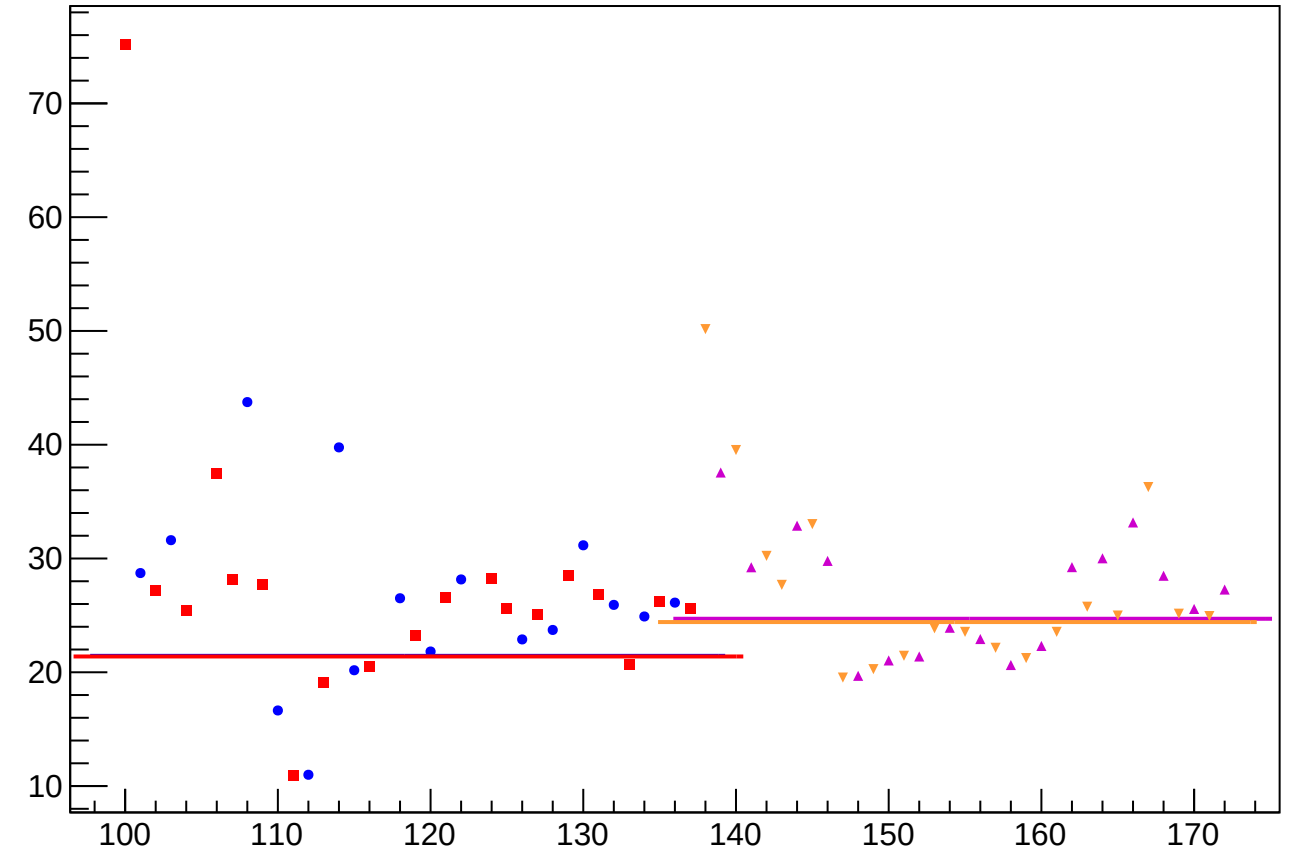
Left: 0.000+/-0.005 χ^2/NDF: 44.3/34

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:43.3/36

All: 0.004+/-0.004 χ^2/NDF: 88.3/69



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.414+/-0.005 χ^2/NDF:1184293.5/17

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.703+/-0.005 χ^2/NDF:855850.9/16

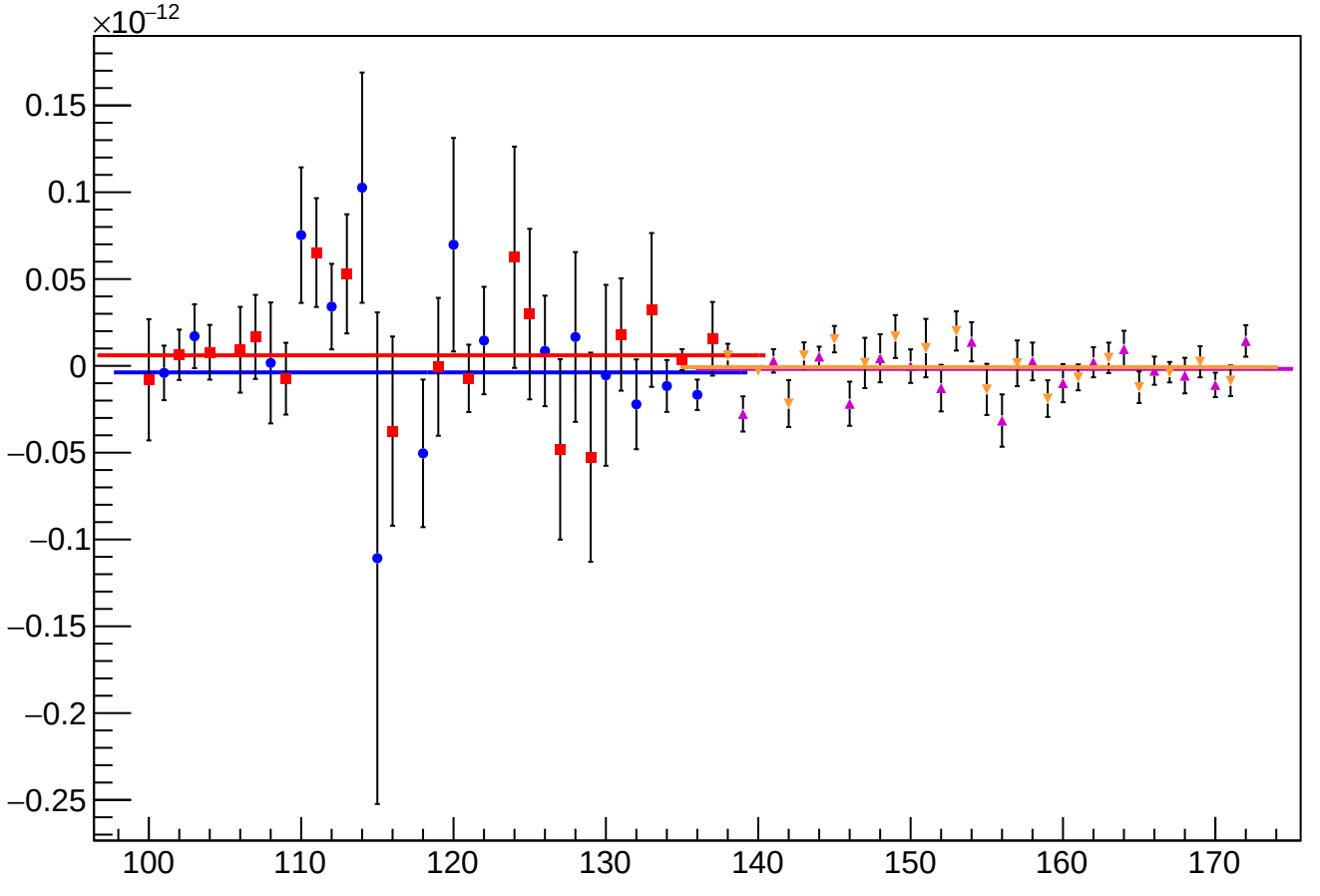
Left: 24.556+/-0.003 χ^2/NDF: 2041940.9/34

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.448+/-0.004 χ^2/NDF:2570003.6/32

Out: 23.241+/-0.004 χ^2/NDF:2651200.2/36

All: 23.343+/-0.003 χ^2/NDF: 5222704.7/69



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

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

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:24.9/16

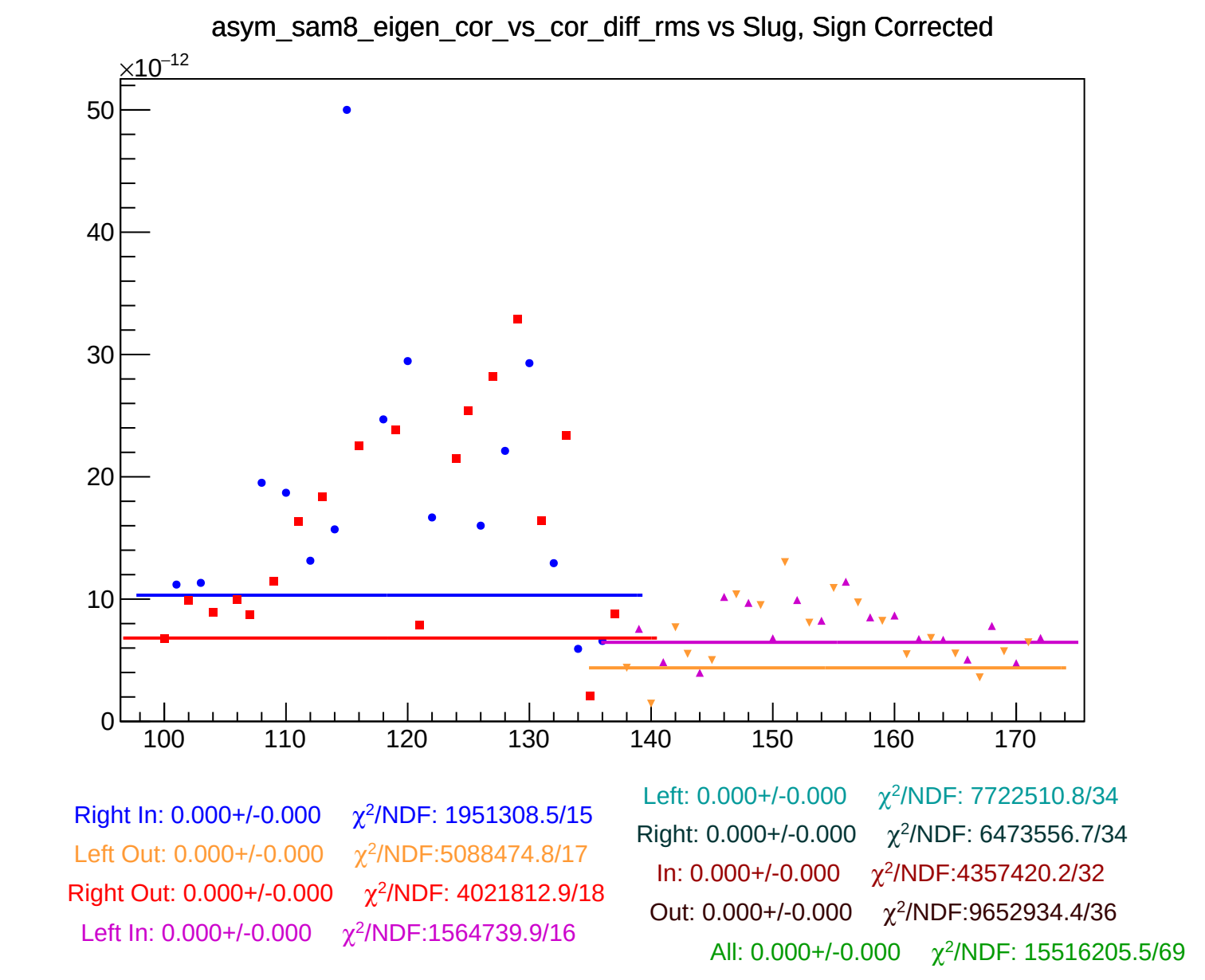
Left: -0.000+/-0.000 χ^2/NDF: 47.6/34

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:36.0/36

All: -0.000+/-0.000 χ^2/NDF: 78.9/69


asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
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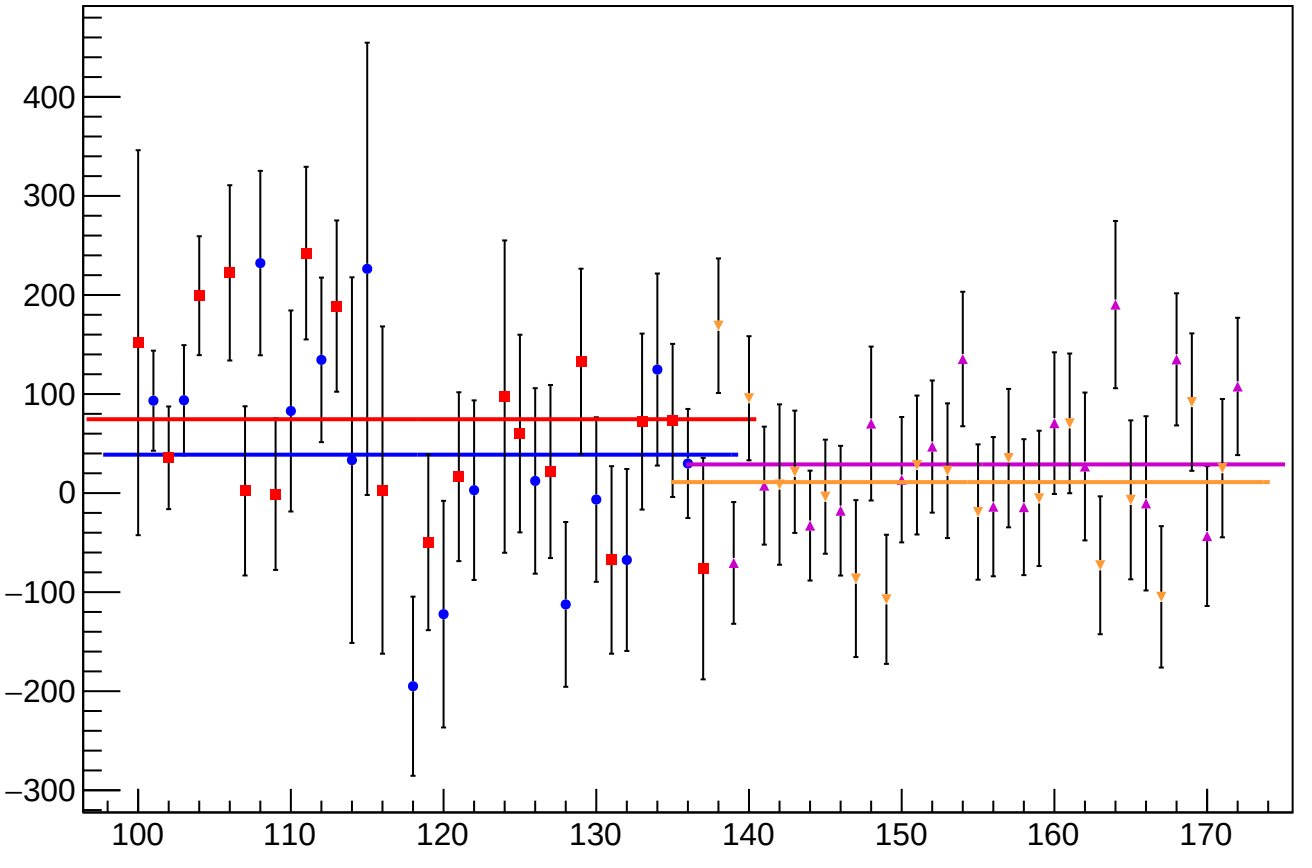
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1951308.5/15
Left Out: 0.000+/-0.000 χ²/NDF:5088474.8/17
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:1564739.9/16
Left: 0.000+/-0.000 χ²/NDF: 7722510.8/34
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:4357420.2/32
Out: 0.000+/-0.000 χ²/NDF:9652934.4/36
All: 0.000+/-0.000 χ²/NDF: 15516205.5/69



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 11.105+/-16.205 χ^2/NDF:18.8/17

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: 19.850+/-11.576 χ^2/NDF: 36.6/34

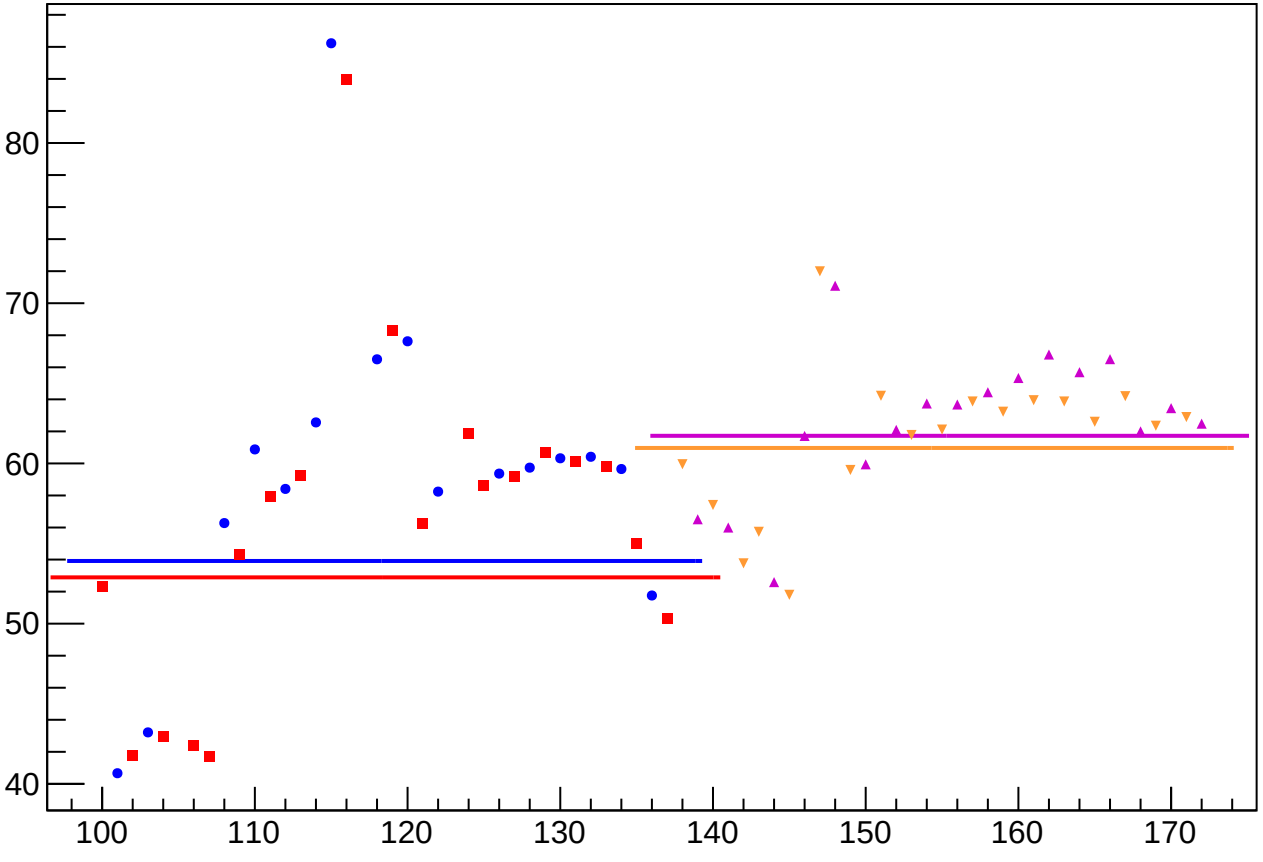
Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 32.854+/-12.851 χ^2/NDF:40.6/32

Out: 36.565+/-12.541 χ^2/NDF:47.4/36

All: 34.755+/-8.976 χ^2/NDF: 88.1/69

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 60.966+/-0.011 χ^2/NDF:152514.5/17

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 61.724+/-0.012 χ^2/NDF:150332.7/16

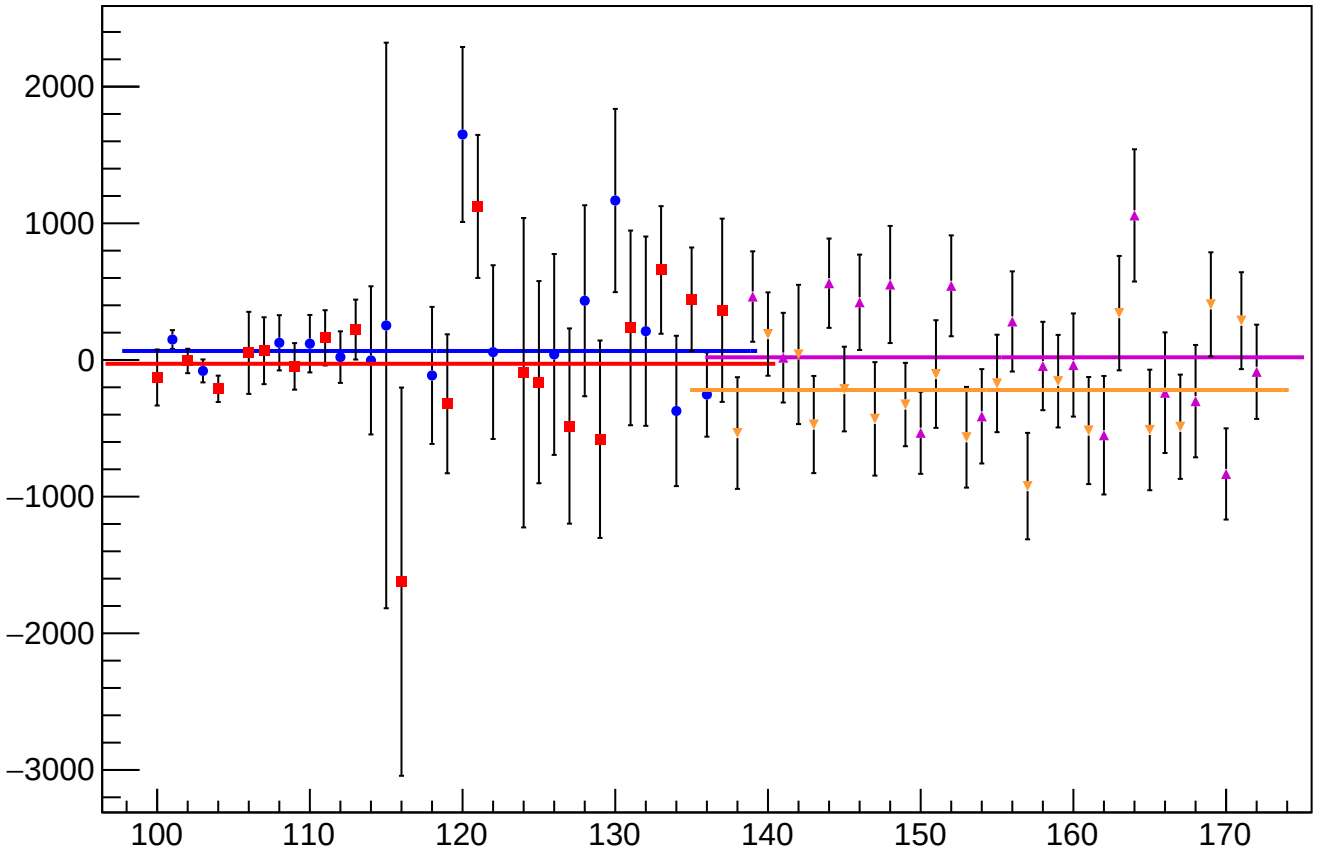
Left: 61.337+/-0.008 χ^2/NDF: 304992.8/34

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 58.628+/-0.009 χ^2/NDF:720419.6/32

Out: 57.726+/-0.009 χ^2/NDF:777030.6/36

All: 58.166+/-0.006 χ^2/NDF: 1502494.1/69



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -219.601+/-87.195 χ^2/NDF:15.9/17

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: -100.591+/-61.800 χ^2/NDF: 48.5/34

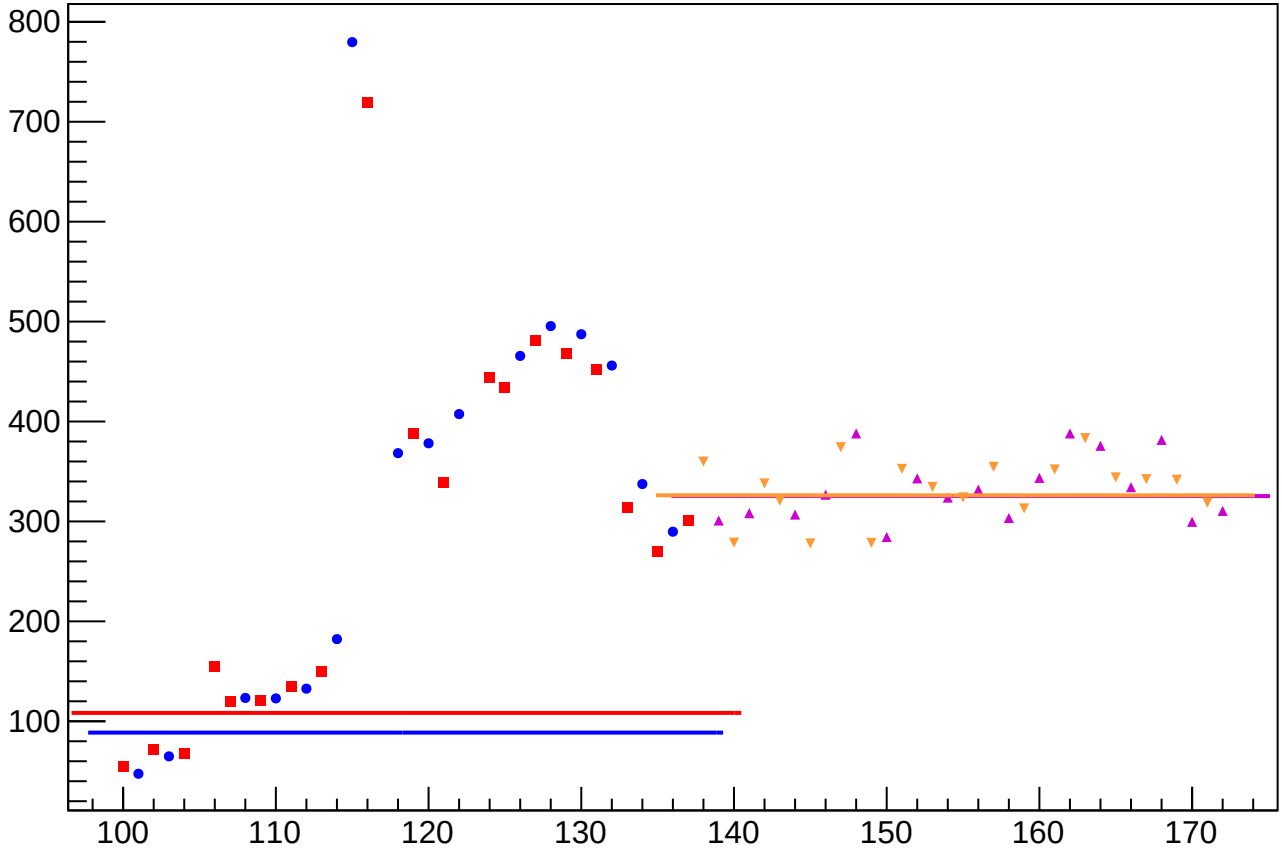
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 55.678+/-41.058 χ^2/NDF:44.8/32

Out: -75.715+/-43.565 χ^2/NDF:37.5/36

All: -6.129+/-29.879 χ^2/NDF: 87.1/69

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: 326.133+/-0.062 χ^2/NDF:268163.6/17

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 325.371+/-0.062 χ^2/NDF:239096.9/16

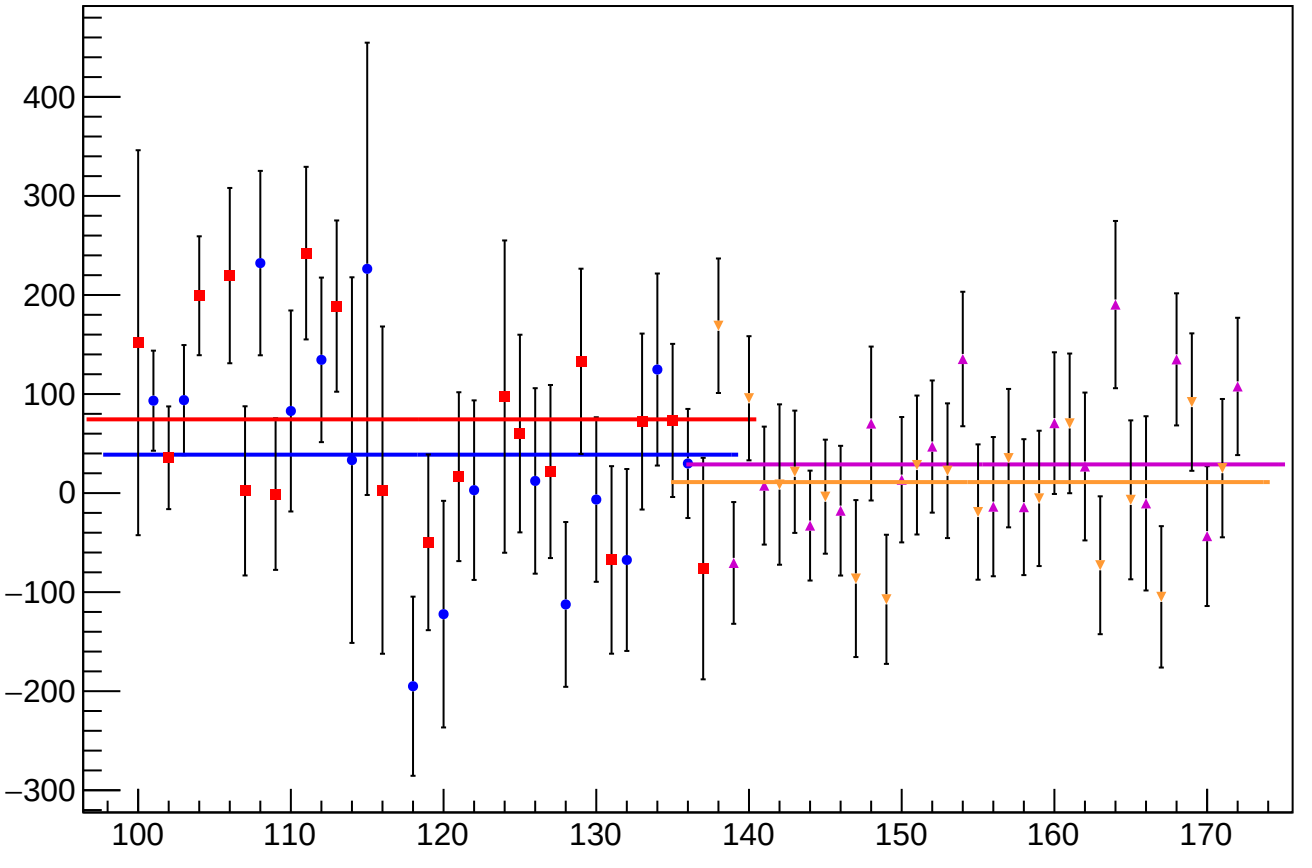
Left: 325.754+/-0.044 χ^2/NDF: 507336.5/34

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 140.655+/-0.029 χ^2/NDF:18282580.2/32

Out: 162.740+/-0.031 χ^2/NDF:14990065.1/36

All: 151.044+/-0.021 χ^2/NDF: 33544842.1/69



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 11.106+/-16.205 χ^2/NDF:18.8/17

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 28.959+/-16.541 χ^2/NDF:17.2/16

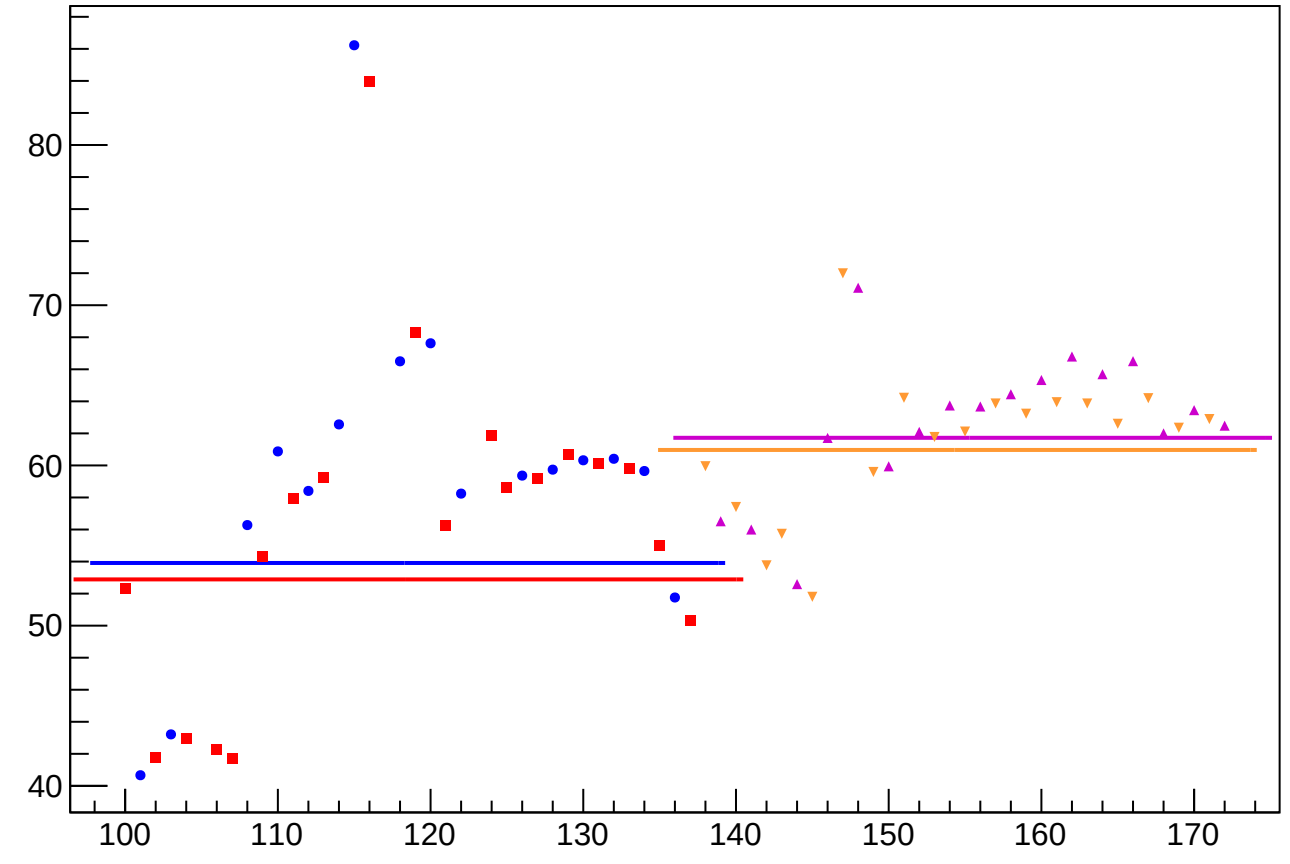
Left: 19.849+/-11.576 χ^2/NDF: 36.6/34

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 32.857+/-12.852 χ^2/NDF:40.6/32

Out: 36.509+/-12.541 χ^2/NDF:47.3/36

All: 34.728+/-8.976 χ^2/NDF: 88.0/69



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.966+/-0.011 χ^2/NDF:152514.5/17

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.724+/-0.012 χ^2/NDF:150332.8/16

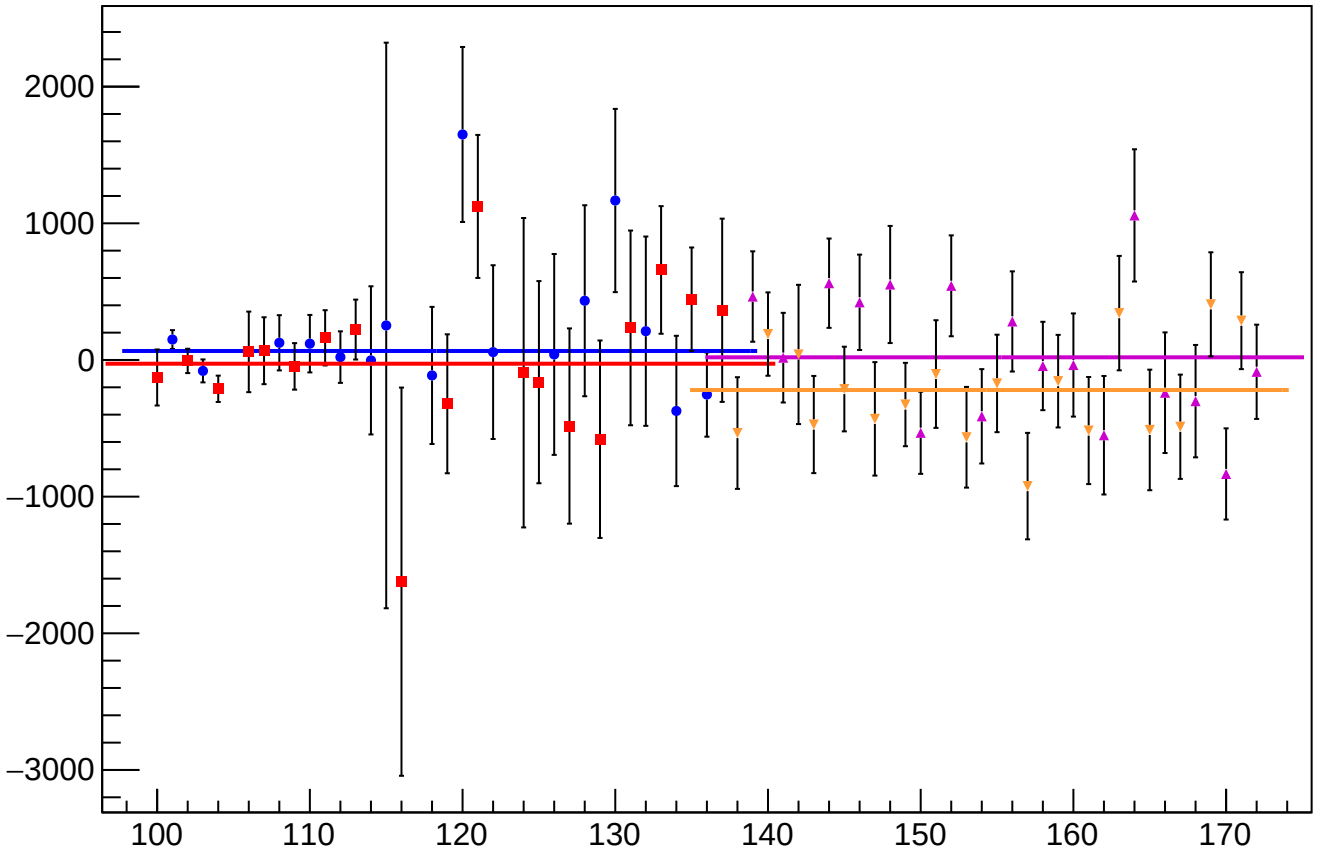
Left: 61.337+/-0.008 χ^2/NDF: 304992.8/34

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 58.628+/-0.009 χ^2/NDF:720418.7/32

Out: 57.726+/-0.009 χ^2/NDF:777432.0/36

All: 58.166+/-0.006 χ^2/NDF: 1502901.5/69



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -219.600+/-87.195 χ^2/NDF:15.9/17

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: -100.592+/-61.800 χ^2/NDF: 48.5/34

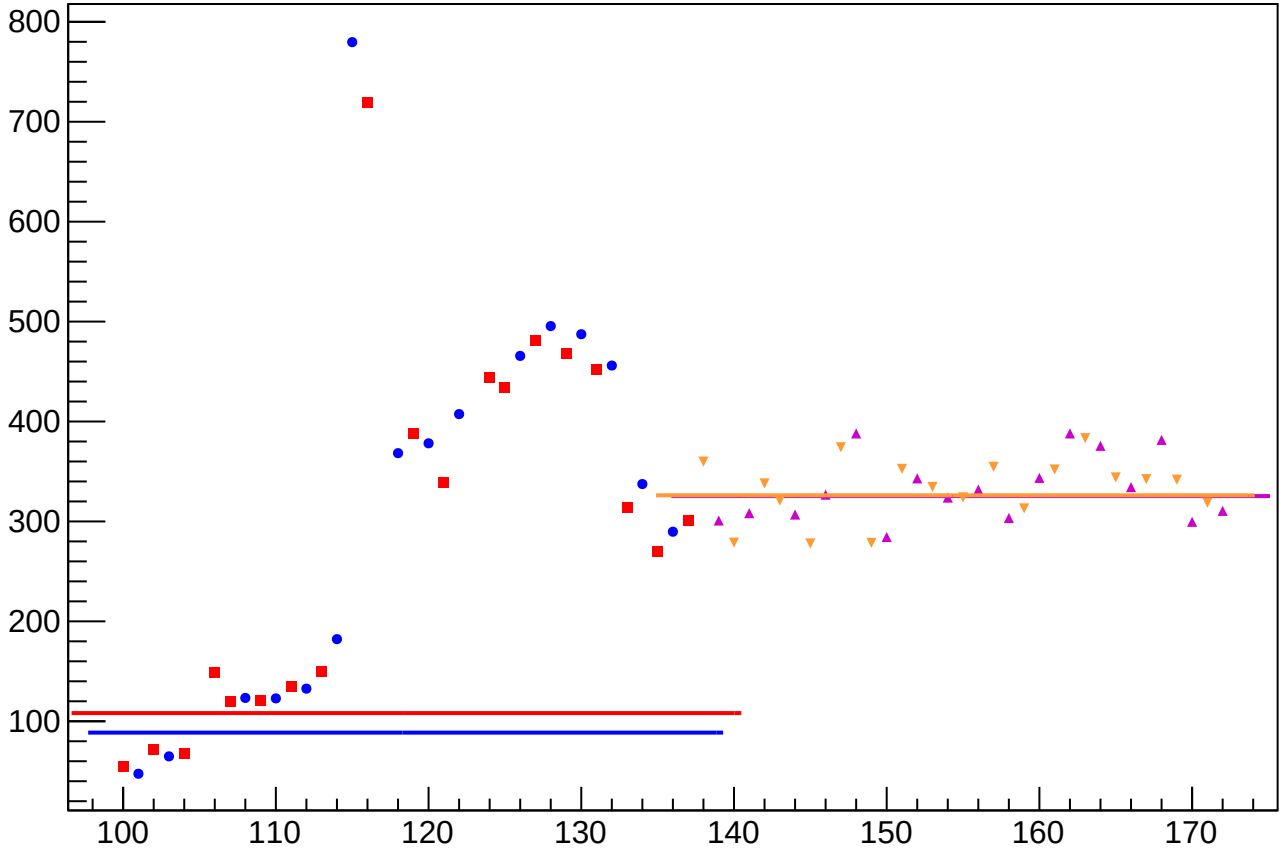
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 55.681+/-41.057 χ^2/NDF:44.8/32

Out: -75.320+/-43.537 χ^2/NDF:37.5/36

All: -5.983+/-29.870 χ^2/NDF: 87.1/69

asym_sam_15_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 326.133+/-0.062 χ^2/NDF:268162.5/17

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 325.371+/-0.062 χ^2/NDF:239102.4/16

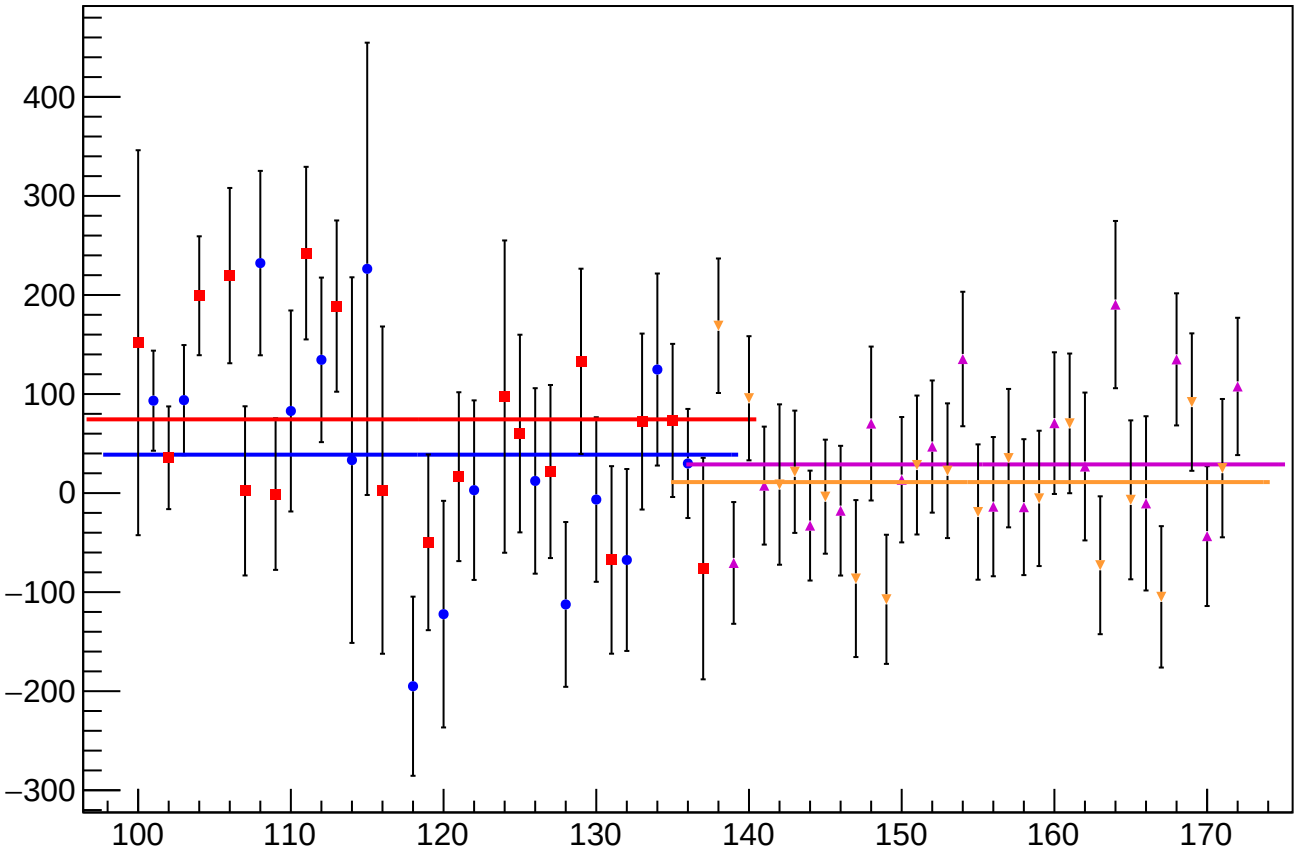
Left: 325.754+/-0.044 χ^2/NDF: 507341.0/34

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 140.651+/-0.029 χ^2/NDF:18283009.9/32

Out: 162.536+/-0.031 χ^2/NDF:15001429.5/36

All: 150.953+/-0.021 χ^2/NDF: 33551922.1/69



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 11.106+/-16.205 χ^2/NDF:18.8/17

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 28.959+/-16.541 χ^2/NDF:17.2/16

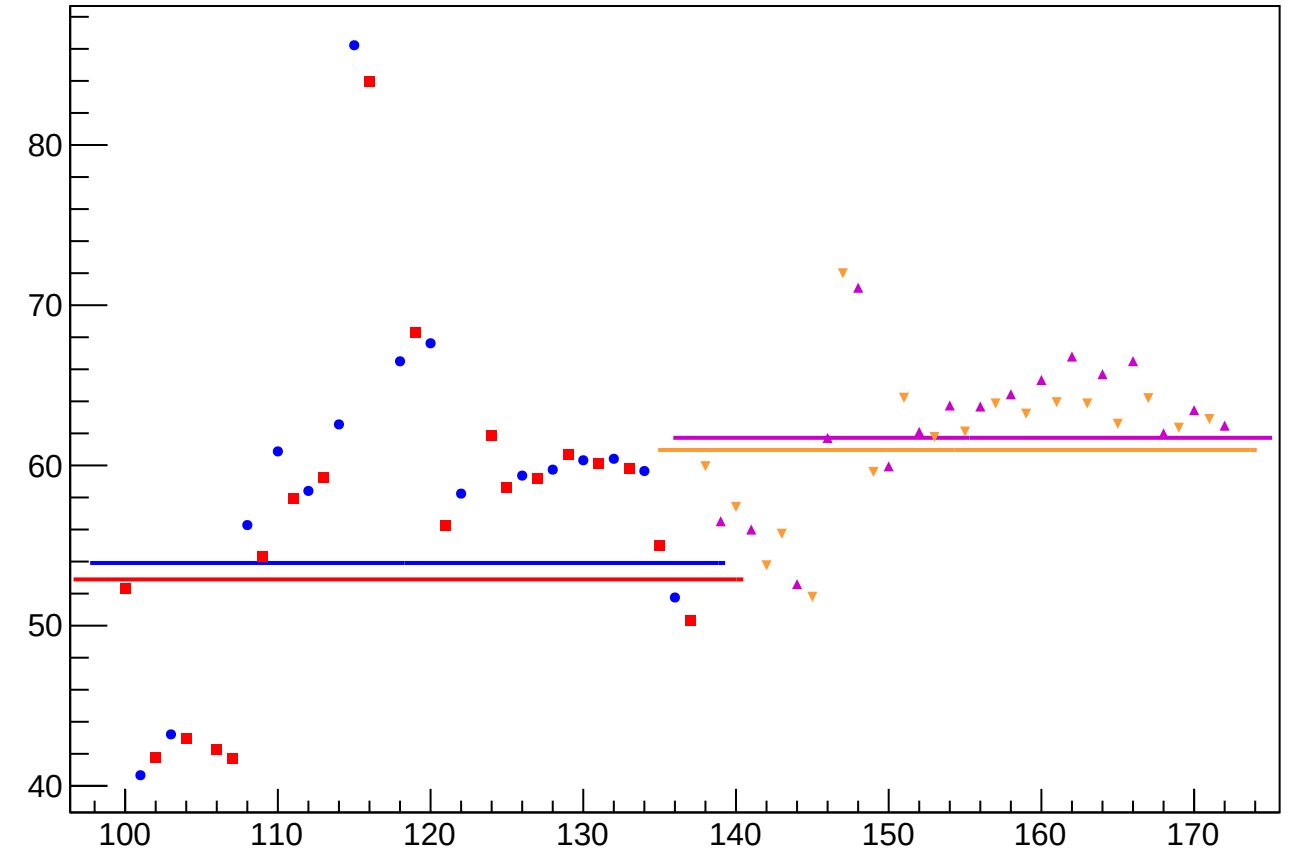
Left: 19.849+/-11.576 χ^2/NDF: 36.6/34

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 32.857+/-12.852 χ^2/NDF:40.6/32

Out: 36.509+/-12.541 χ^2/NDF:47.3/36

All: 34.728+/-8.976 χ^2/NDF: 88.0/69



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 60.966+/-0.011 χ^2/NDF:152514.5/17

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.724+/-0.012 χ^2/NDF:150332.8/16

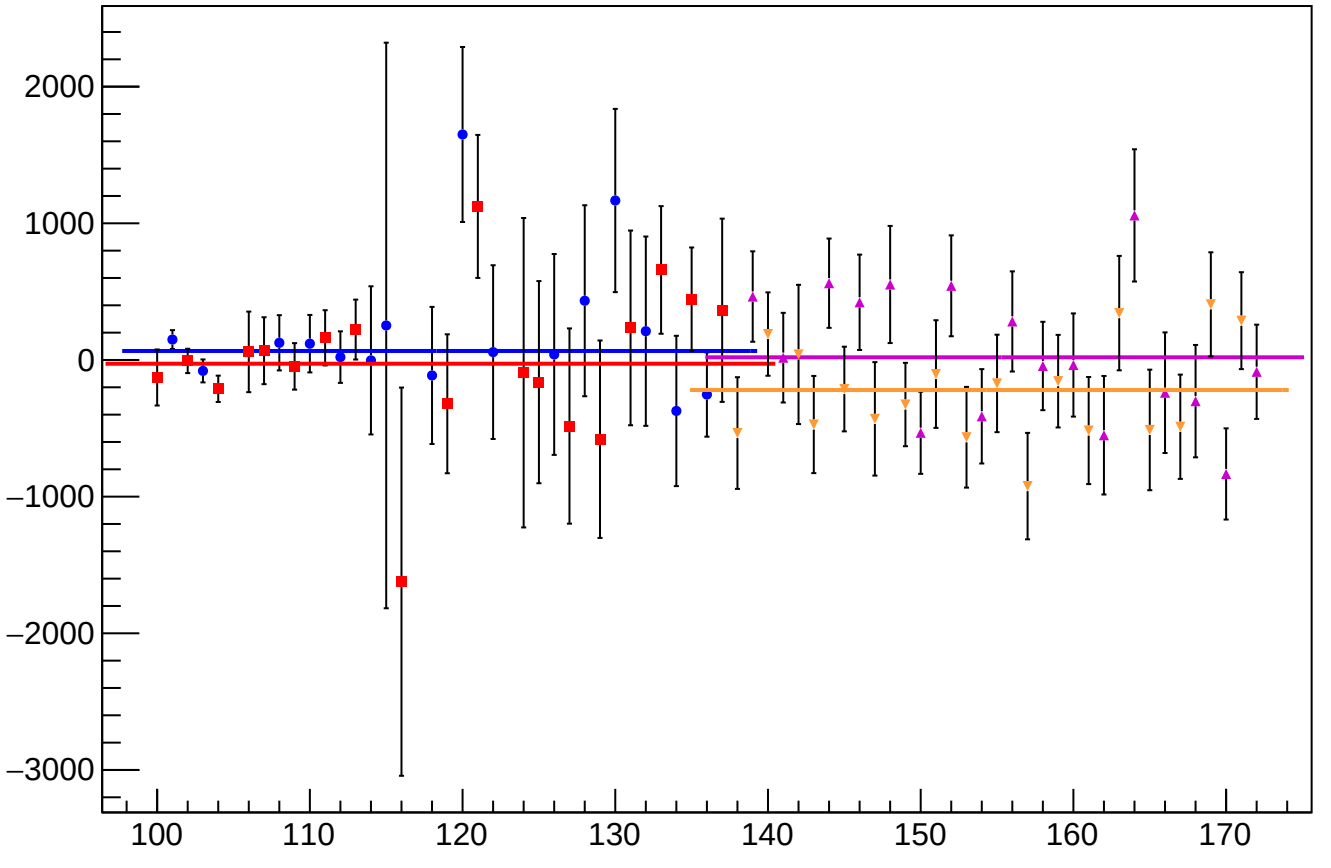
Left: 61.337+/-0.008 χ^2/NDF: 304992.8/34

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 58.628+/-0.009 χ^2/NDF:720418.7/32

Out: 57.726+/-0.009 χ^2/NDF:777432.0/36

All: 58.166+/-0.006 χ^2/NDF: 1502901.5/69



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -219.600+/-87.195 χ^2/NDF:15.9/17

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: -100.592+/-61.800 χ^2/NDF: 48.5/34

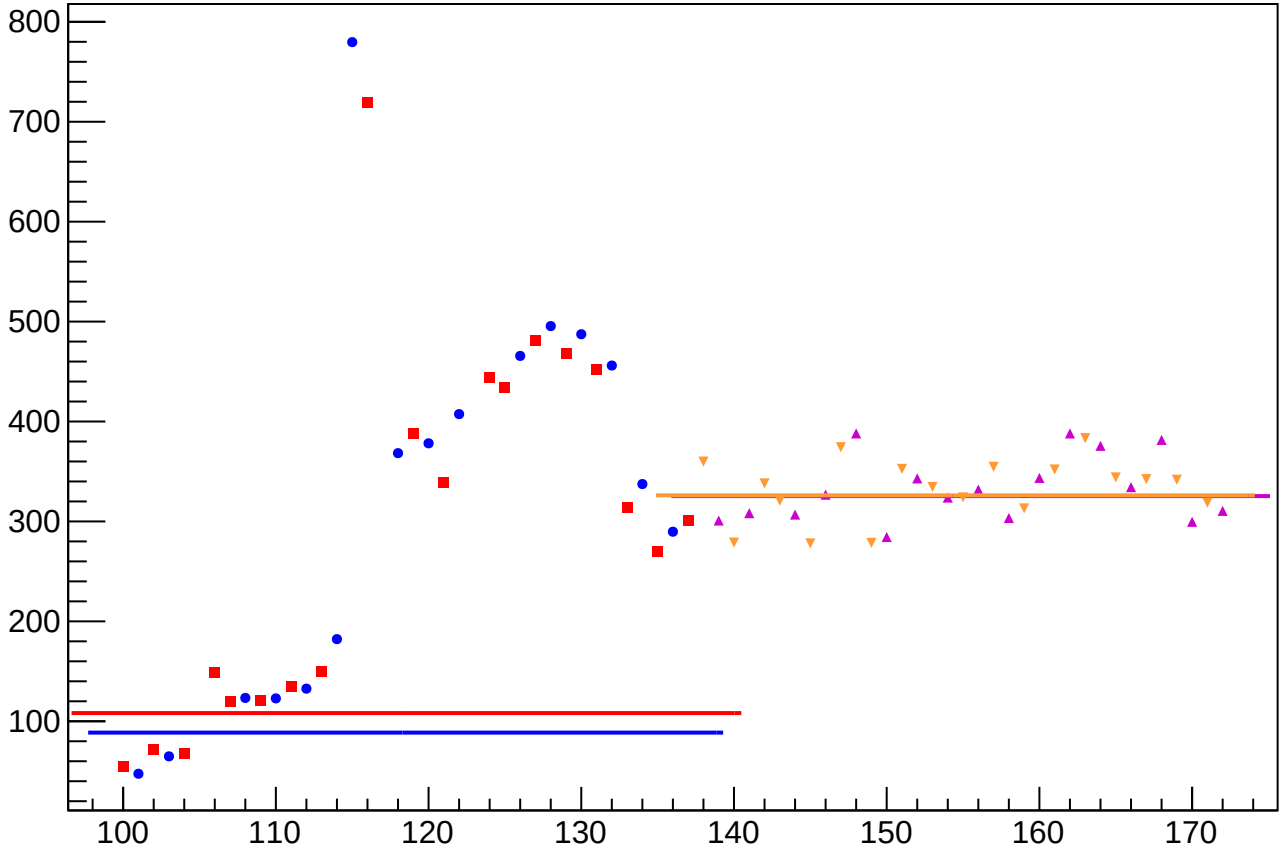
Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 55.681+/-41.057 χ^2/NDF:44.8/32

Out: -75.320+/-43.537 χ^2/NDF:37.5/36

All: -5.983+/-29.870 χ^2/NDF: 87.1/69

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: 326.133+/-0.062 χ^2/NDF:268162.5/17

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 325.371+/-0.062 χ^2/NDF:239102.4/16

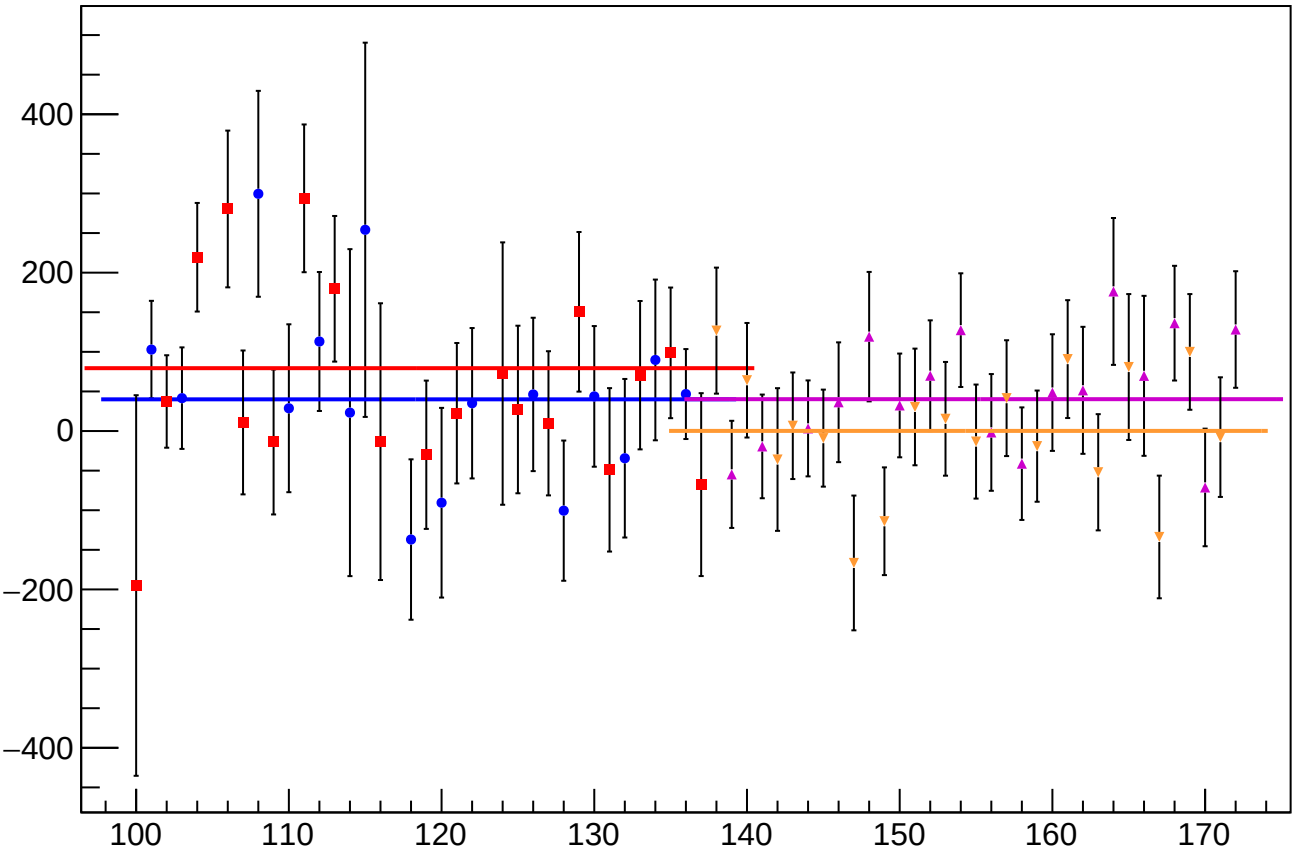
Left: 325.754+/-0.044 χ^2/NDF: 507341.0/34

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 140.651+/-0.029 χ^2/NDF:18283009.9/32

Out: 162.536+/-0.031 χ^2/NDF:15001429.5/36

All: 150.953+/-0.021 χ^2/NDF: 33551922.1/69



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 0.177+/-17.438 χ^2/NDF:18.4/17

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: 19.850+/-12.440 χ^2/NDF: 36.1/34

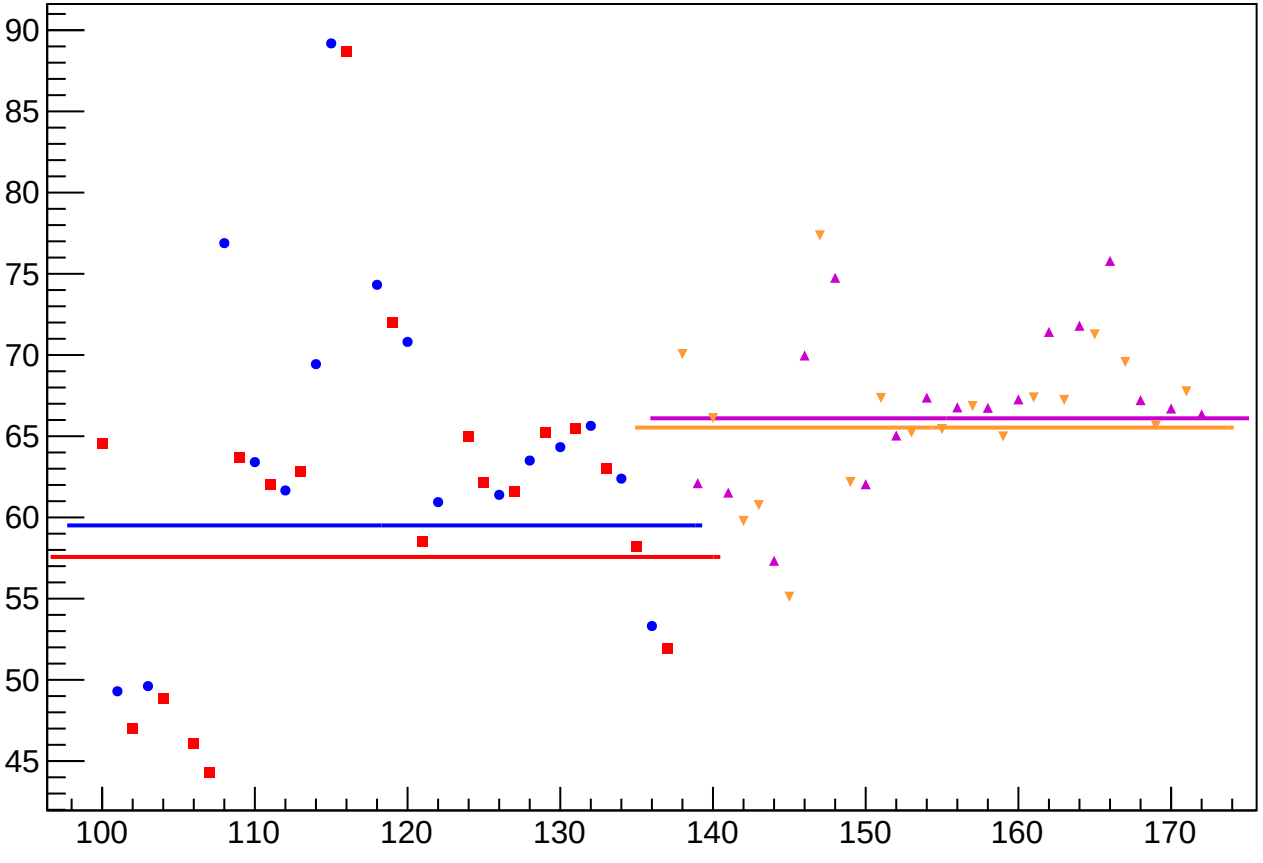
Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 40.157+/-13.940 χ^2/NDF:29.3/32

Out: 31.470+/-13.563 χ^2/NDF:51.4/36

All: 35.694+/-9.721 χ^2/NDF: 80.9/69

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 65.534+/-0.012 χ^2/NDF:145493.9/17

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 66.104+/-0.013 χ^2/NDF:131280.4/16

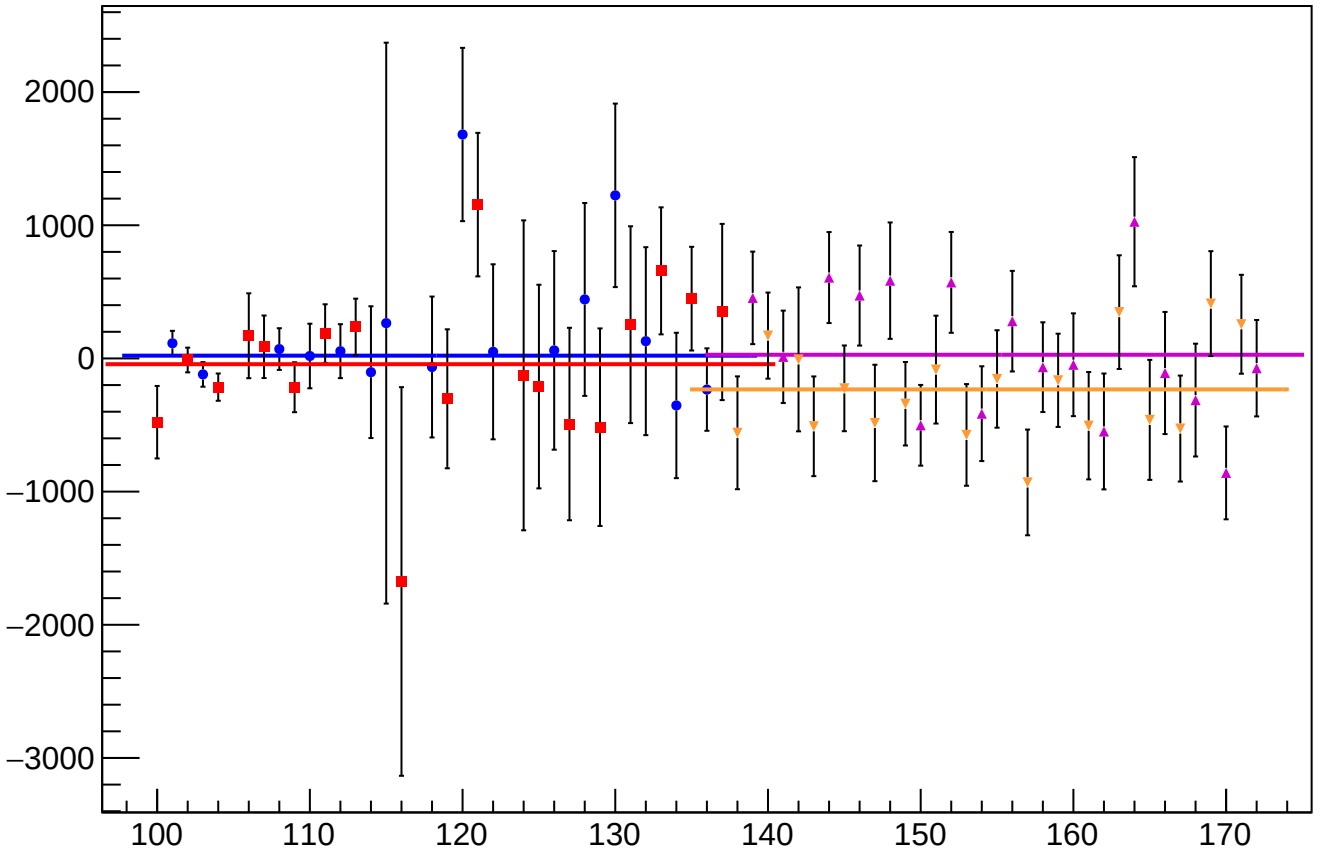
Left: 65.814+/-0.009 χ^2/NDF: 277824.0/34

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 63.576+/-0.010 χ^2/NDF:520314.1/32

Out: 62.386+/-0.010 χ^2/NDF:657824.9/36

All: 62.965+/-0.007 χ^2/NDF: 1185622.8/69



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -232.571+/-90.426 χ^2/NDF:15.0/17

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 27.587+/-90.727 χ^2/NDF:27.9/16

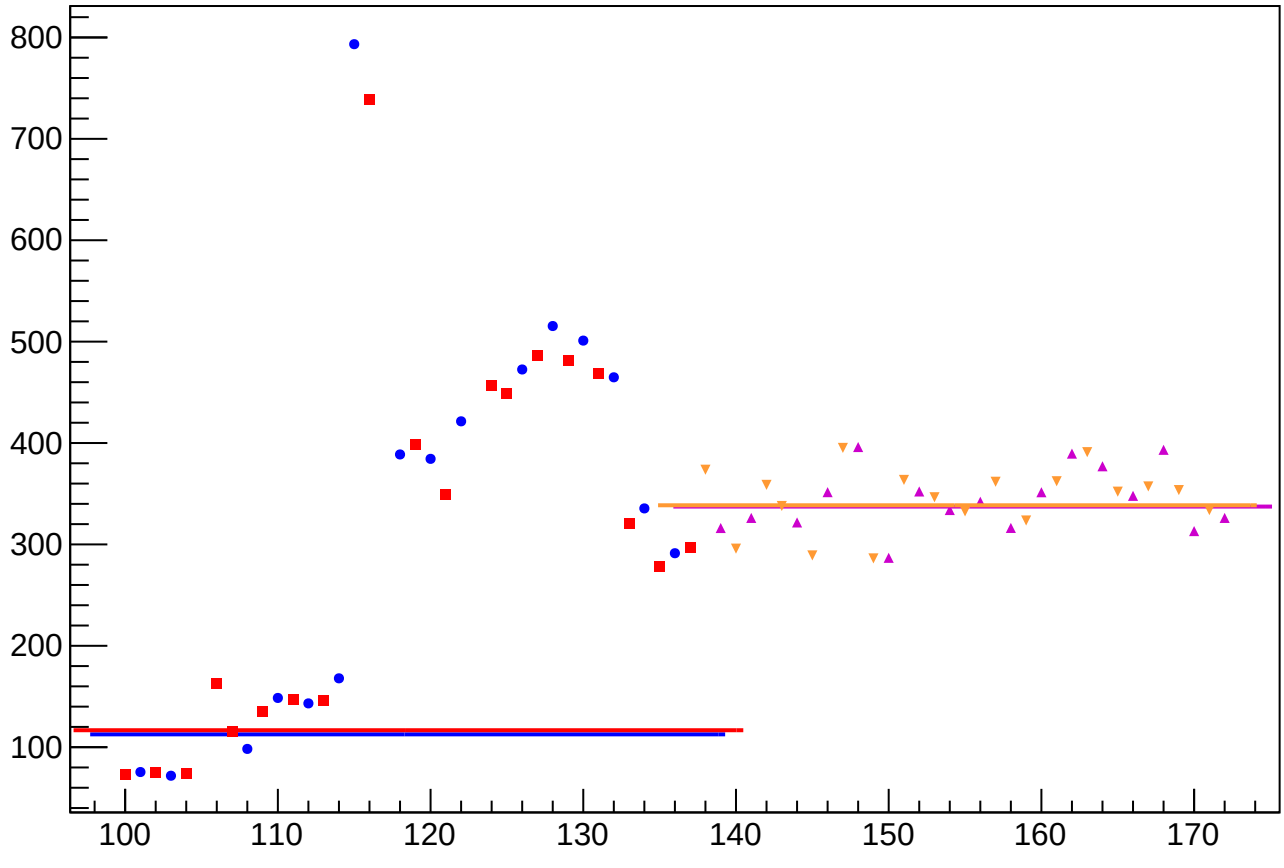
Left: -102.924+/-64.047 χ^2/NDF: 47.0/34

Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 22.585+/-46.139 χ^2/NDF:42.5/32

Out: -91.952+/-45.860 χ^2/NDF:39.7/36

All: -35.031+/-32.526 χ^2/NDF: 85.4/69



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 338.599+/-0.064 χ^2/NDF:254060.2/17

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 337.319+/-0.064 χ^2/NDF:212151.0/16

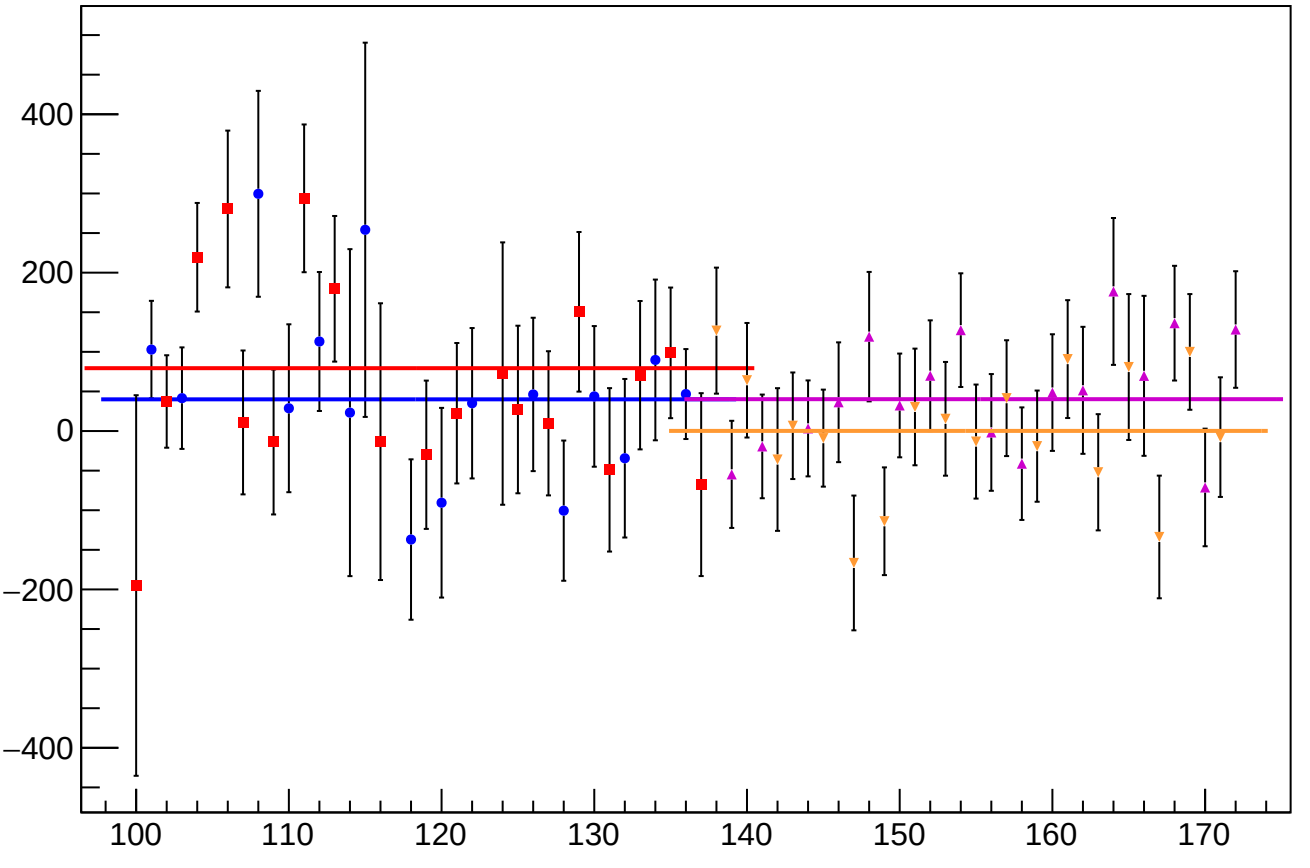
Left: 337.961+/-0.045 χ^2/NDF: 466410.9/34

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 170.767+/-0.033 χ^2/NDF:14902889.9/32

Out: 173.797+/-0.032 χ^2/NDF:14338709.8/36

All: 172.291+/-0.023 χ^2/NDF: 29245939.2/69



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 0.177+/-17.438 χ^2/NDF:18.4/17

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 40.236+/-17.751 χ^2/NDF:15.1/16

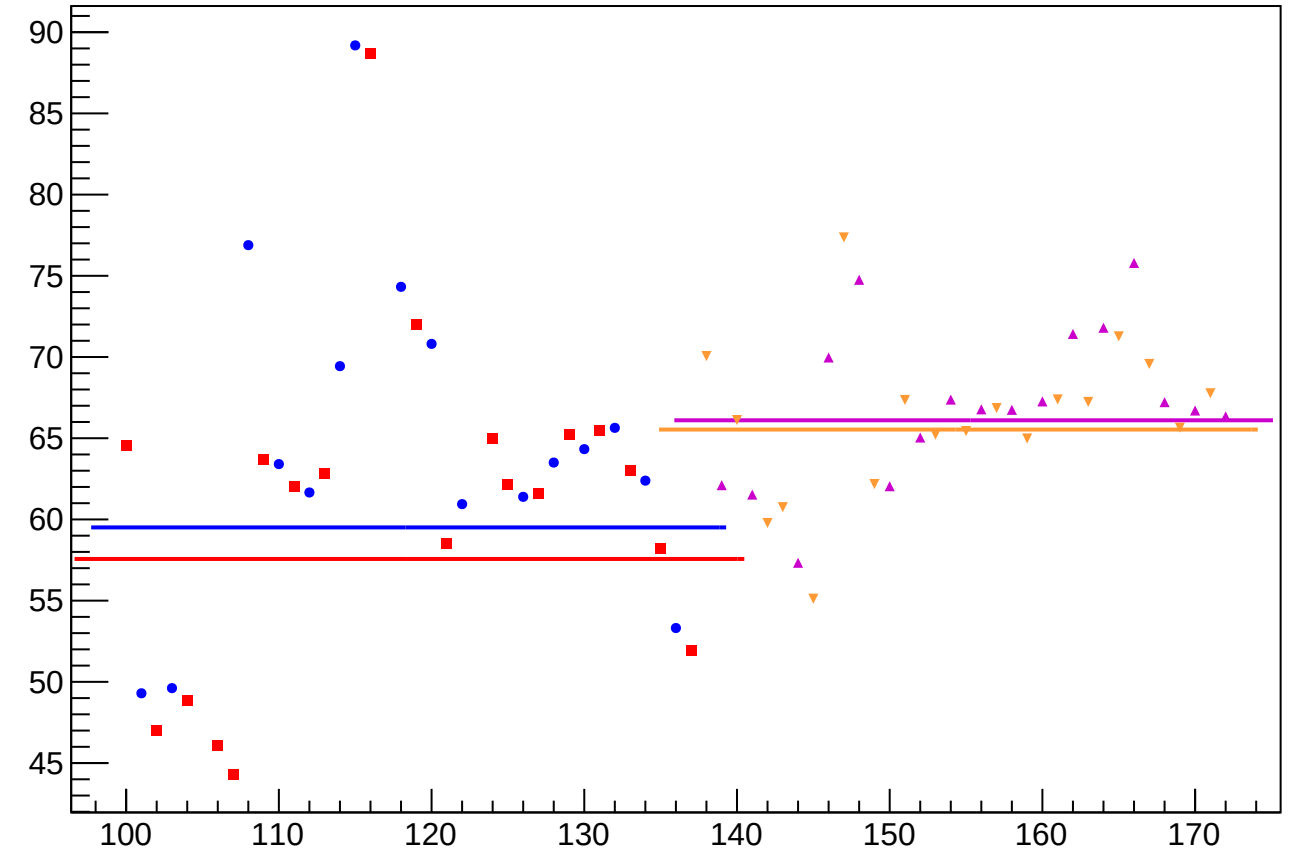
Left: 19.851+/-12.440 χ^2/NDF: 36.1/34

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 40.157+/-13.940 χ^2/NDF:29.3/32

Out: 31.470+/-13.563 χ^2/NDF:51.4/36

All: 35.694+/-9.721 χ^2/NDF: 80.9/69



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 65.534+/-0.012 χ^2/NDF:145496.0/17

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 66.104+/-0.013 χ^2/NDF:131276.5/16

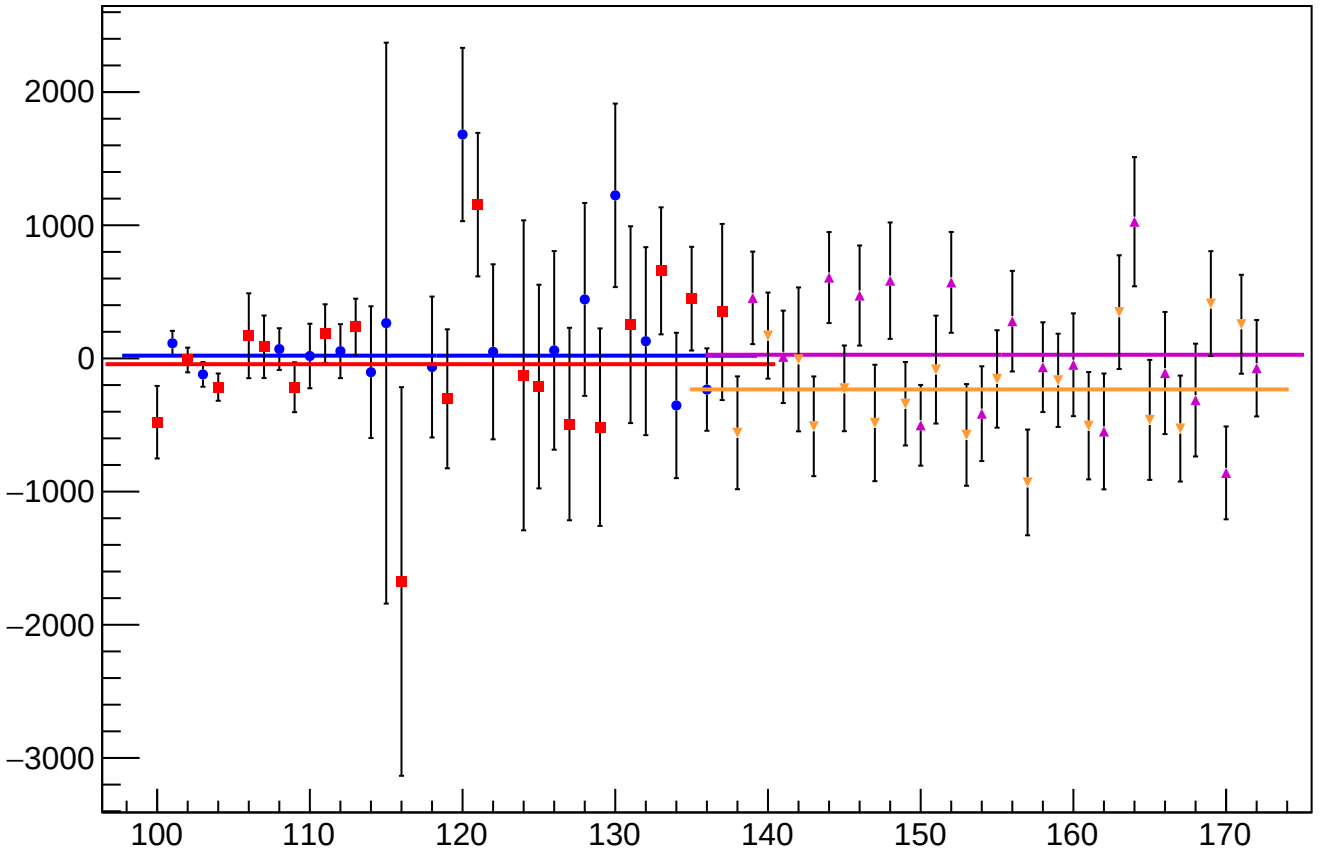
Left: 65.814+/-0.009 χ^2/NDF: 277822.4/34

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 63.576+/-0.010 χ^2/NDF:520315.8/32

Out: 62.386+/-0.010 χ^2/NDF:657830.6/36

All: 62.965+/-0.007 χ^2/NDF: 1185630.7/69



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -232.570+/-90.426 χ^2/NDF:15.0/17

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: -102.923+/-64.047 χ^2/NDF: 47.0/34

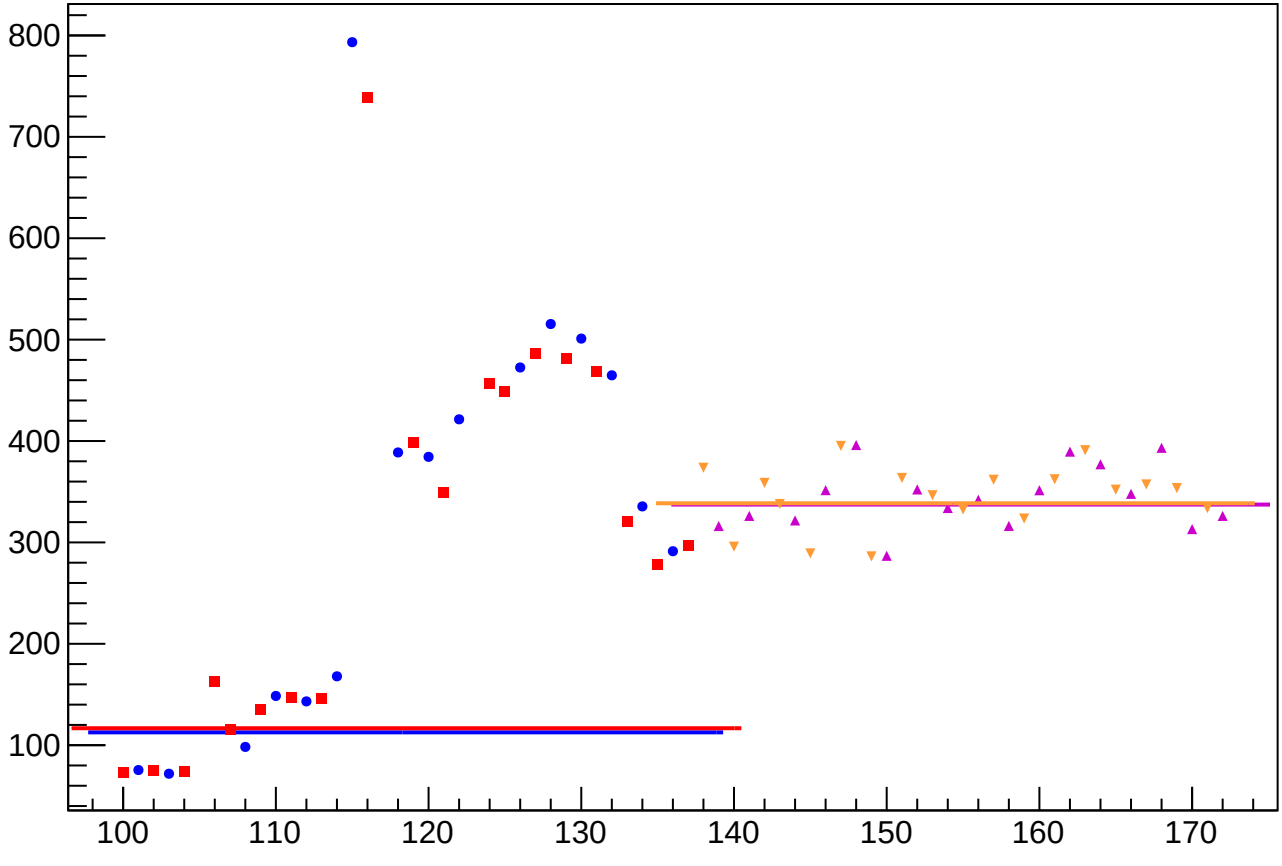
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 22.585+/-46.139 χ^2/NDF:42.5/32

Out: -91.952+/-45.860 χ^2/NDF:39.7/36

All: -35.031+/-32.526 χ^2/NDF: 85.4/69

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: 338.600+/-0.064 χ^2/NDF:254058.7/17

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 337.320+/-0.064 χ^2/NDF:212145.4/16

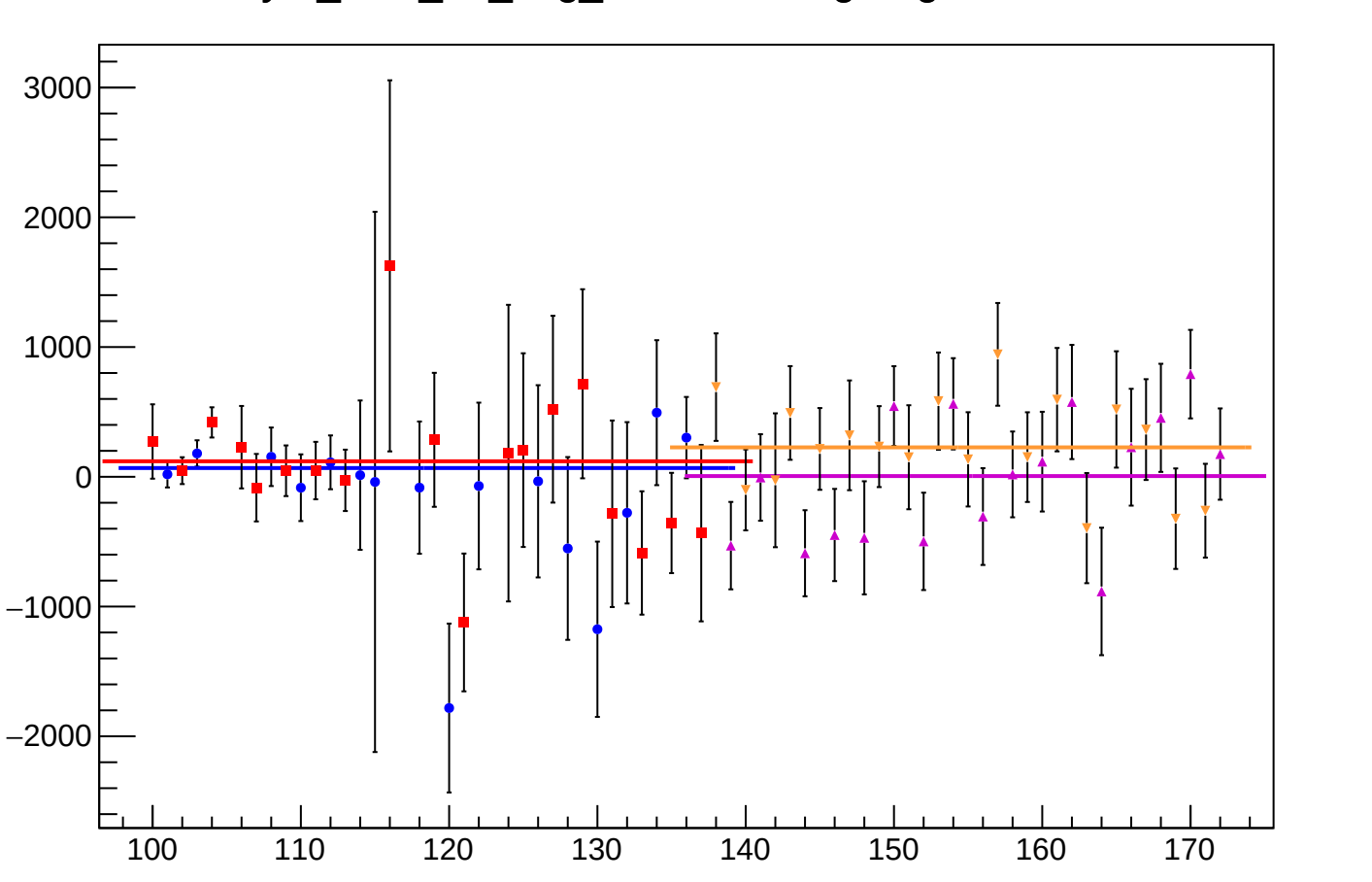
Left: 337.962+/-0.045 χ^2/NDF: 466403.8/34

Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

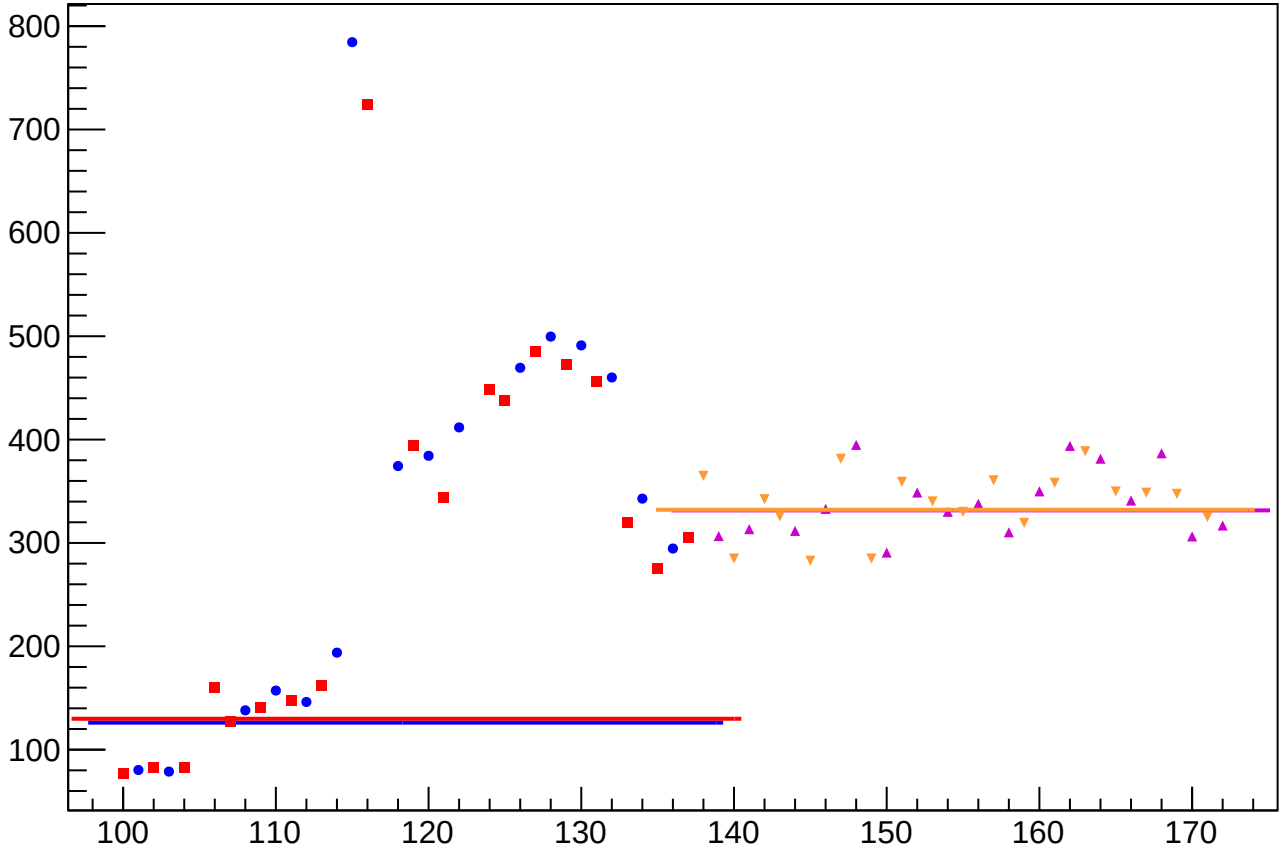
In: 170.767+/-0.033 χ^2/NDF:14902938.9/32

Out: 173.797+/-0.032 χ^2/NDF:14338779.8/36

All: 172.291+/-0.023 χ^2/NDF: 29246057.7/69


asym_sam_15_avg_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
Right In: 67.621+/-59.169 χ²/NDF: 15.8/15
Left Out: 226.798+/-88.759 χ²/NDF:14.9/17
Right Out: 119.635+/-57.941 χ²/NDF: 21.1/18
Left In: 5.644+/-89.223 χ²/NDF:28.6/16
Left: 116.796+/-62.925 χ²/NDF: 46.6/34
Right: 94.173+/-41.398 χ²/NDF: 37.3/34
In: 48.690+/-49.311 χ²/NDF:44.8/32
Out: 151.656+/-48.519 χ²/NDF:37.1/36
All: 101.007+/-34.585 χ²/NDF: 84.0/69

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 332.114+/-0.063 χ^2/NDF:259620.1/17

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 331.511+/-0.063 χ^2/NDF:230493.4/16

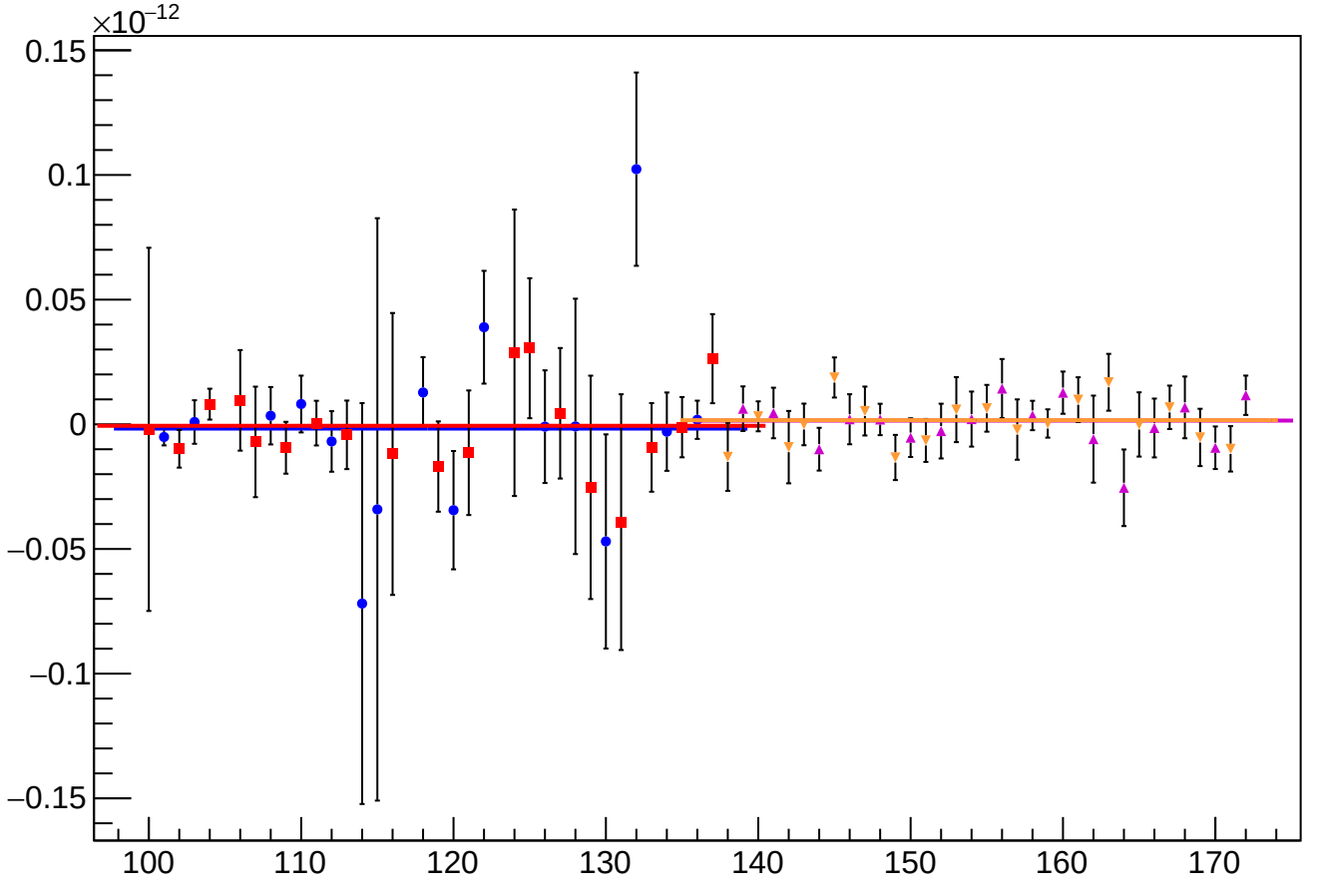
Left: 331.814+/-0.044 χ^2/NDF: 490159.4/34

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 188.880+/-0.035 χ^2/NDF:12809322.0/32

Out: 190.333+/-0.034 χ^2/NDF:12185126.9/36

All: 189.618+/-0.024 χ^2/NDF: 24995330.5/69



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/17

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

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

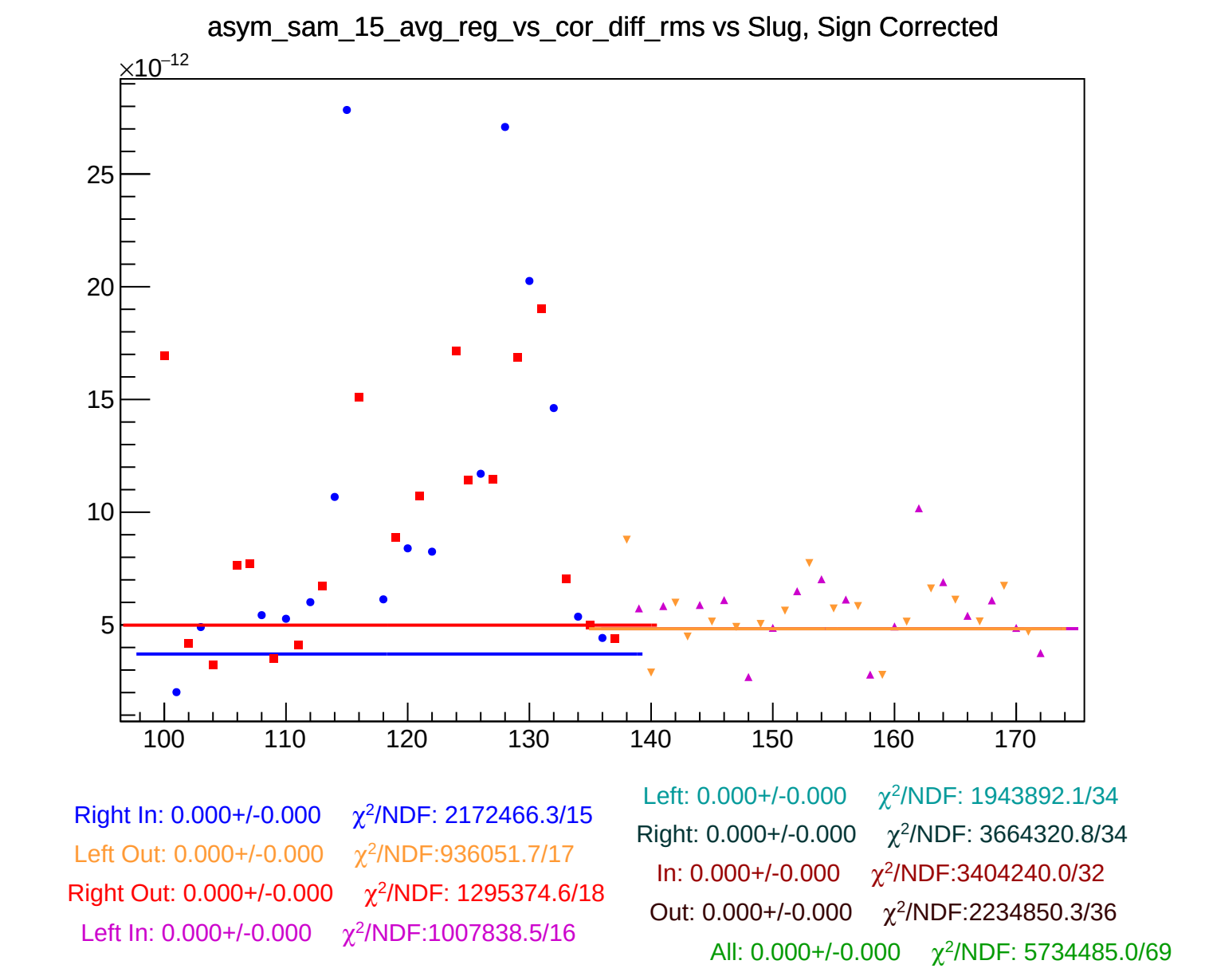
Left: 0.000+/-0.000 χ^2/NDF: 28.5/34

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

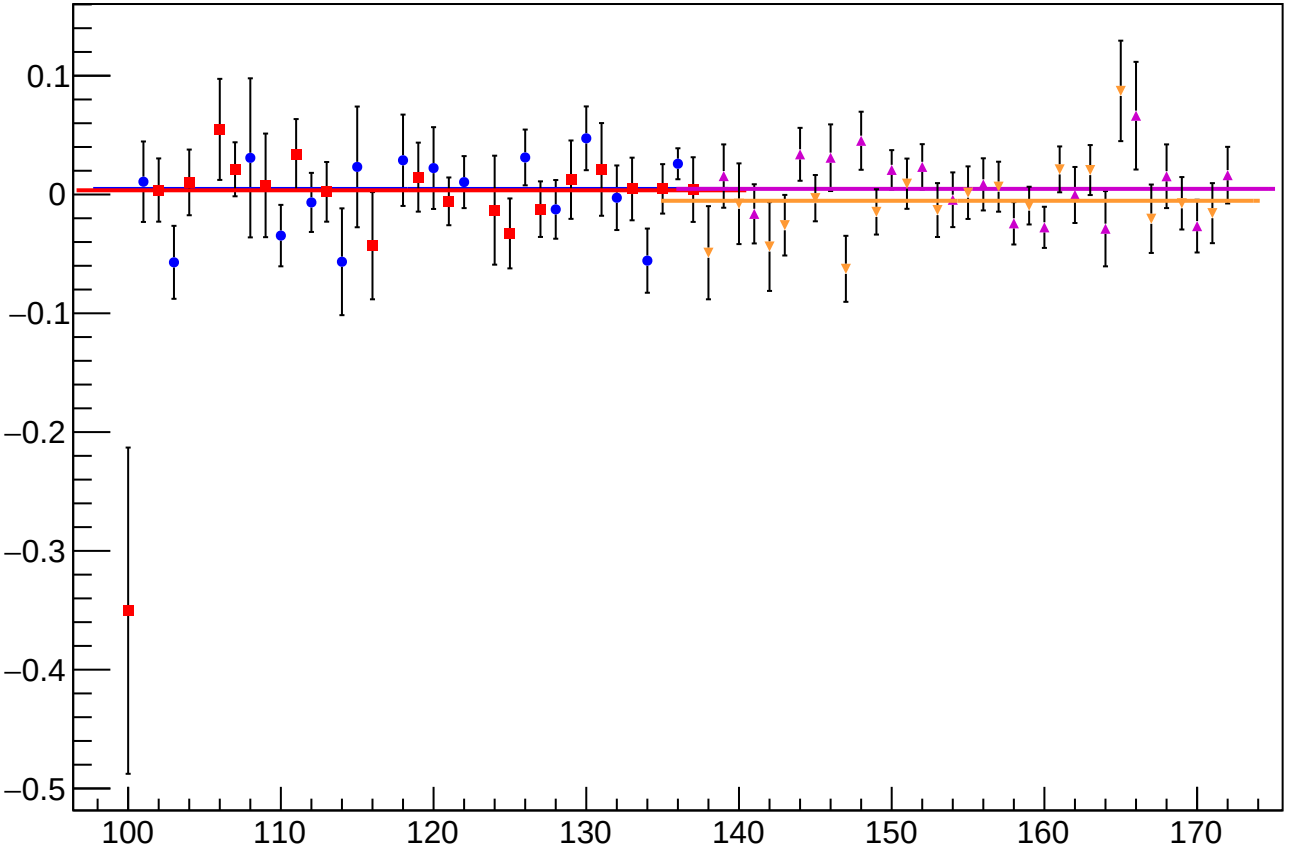
In: 0.000+/-0.000 χ^2/NDF:31.6/32

Out: 0.000+/-0.000 χ^2/NDF:26.4/36

All: 0.000+/-0.000 χ^2/NDF: 58.2/69


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:936051.7/17
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:1007838.5/16
Left: 0.000+/-0.000 χ²/NDF: 1943892.1/34
Right: 0.000+/-0.000 χ²/NDF: 3664320.8/34
In: 0.000+/-0.000 χ²/NDF:3404240.0/32
Out: 0.000+/-0.000 χ²/NDF:2234850.3/36
All: 0.000+/-0.000 χ²/NDF: 5734485.0/69

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.005+/-0.005 χ^2/NDF:17.1/17

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.005+/-0.005 χ^2/NDF:19.8/16

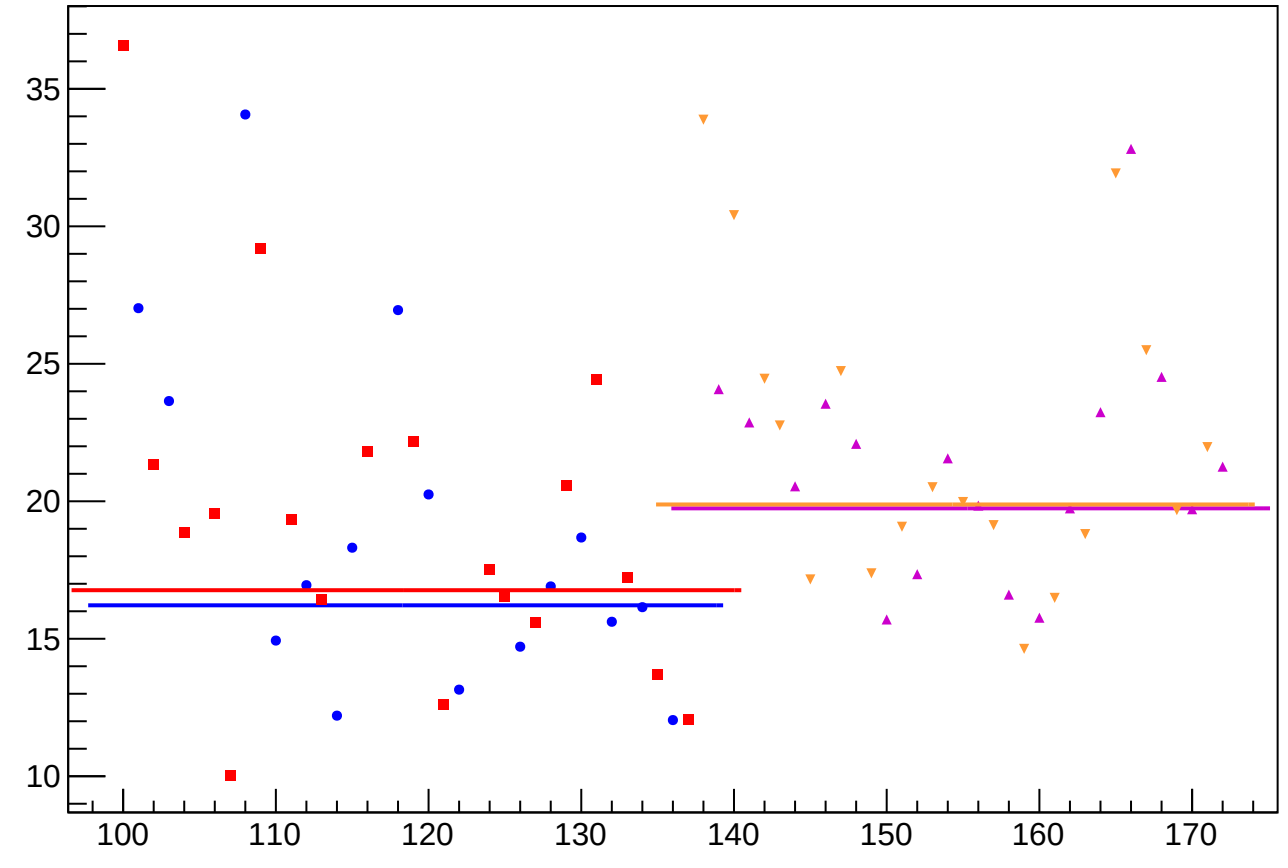
Left: -0.000+/-0.004 χ^2/NDF: 38.6/34

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:31.8/36

All: 0.002+/-0.003 χ^2/NDF: 74.2/69



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.884+/-0.004 χ^2/NDF:1181142.0/17

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.743+/-0.004 χ^2/NDF:734037.3/16

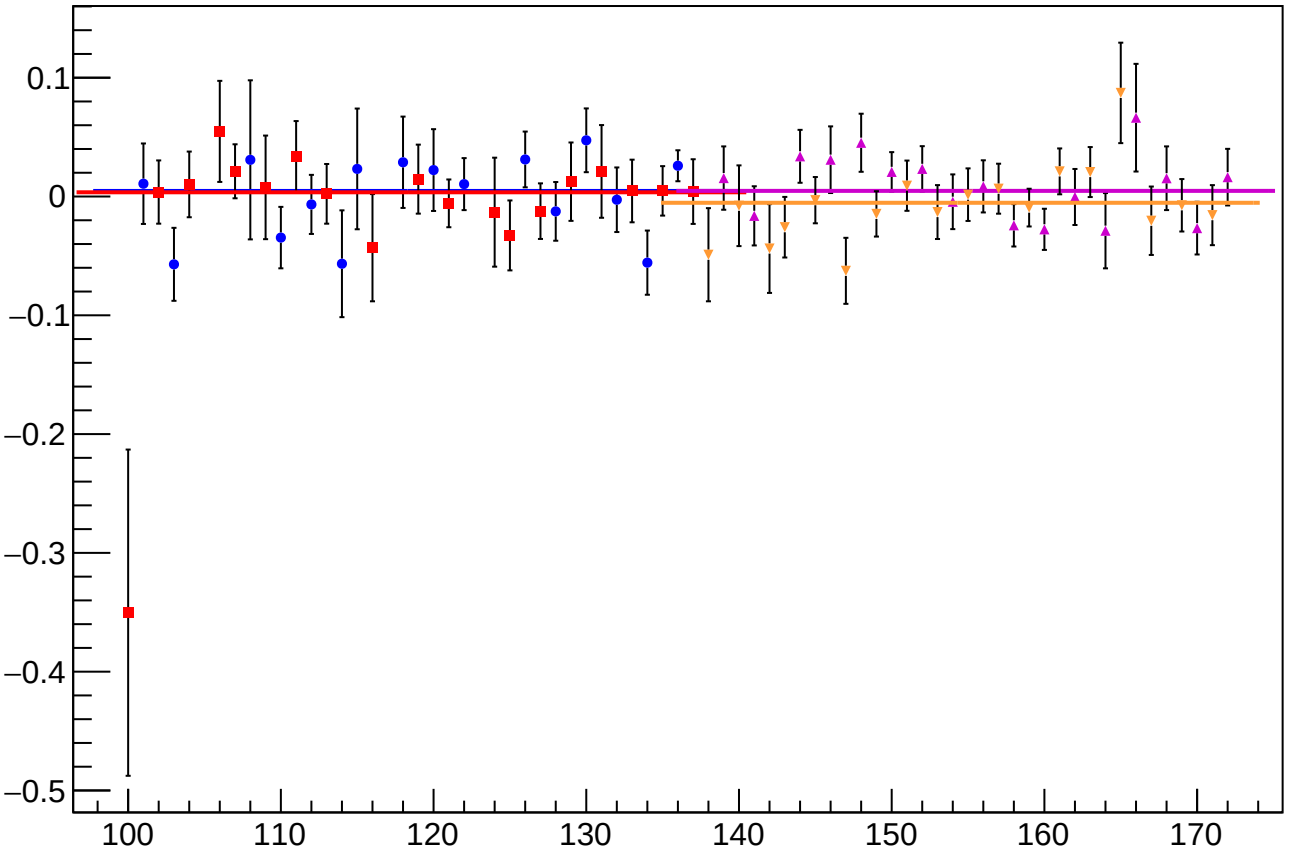
Left: 19.814+/-0.003 χ^2/NDF: 1915841.6/34

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 18.293+/-0.003 χ^2/NDF:2017719.0/32

Out: 18.616+/-0.003 χ^2/NDF:2310550.8/36

All: 18.454+/-0.002 χ^2/NDF: 4334123.5/69



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.005+/-0.005 χ^2/NDF:17.1/17

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.005+/-0.005 χ^2/NDF:19.8/16

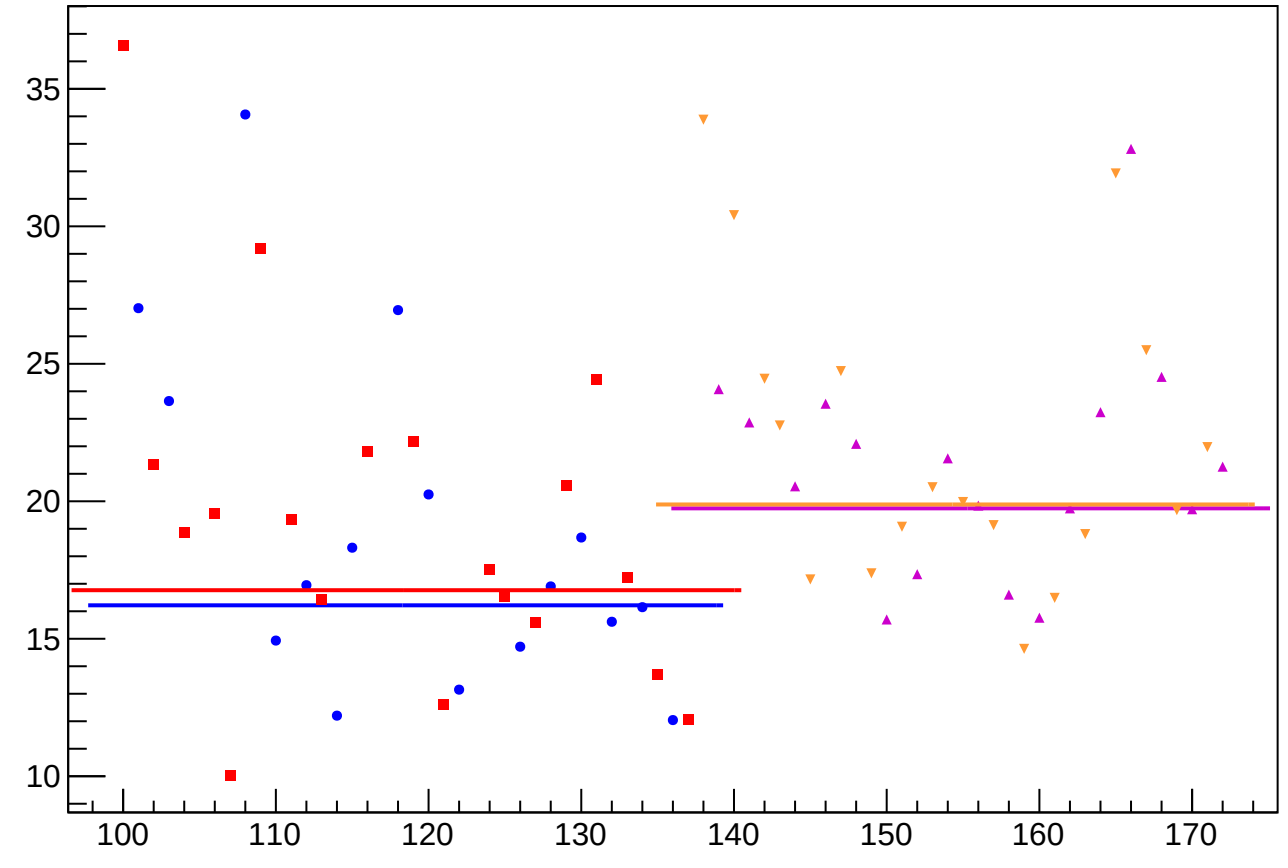
Left: -0.000+/-0.004 χ^2/NDF: 38.6/34

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:31.8/36

All: 0.002+/-0.003 χ^2/NDF: 74.2/69



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.884+/-0.004 χ^2/NDF:1181142.0/17

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.743+/-0.004 χ^2/NDF:734037.3/16

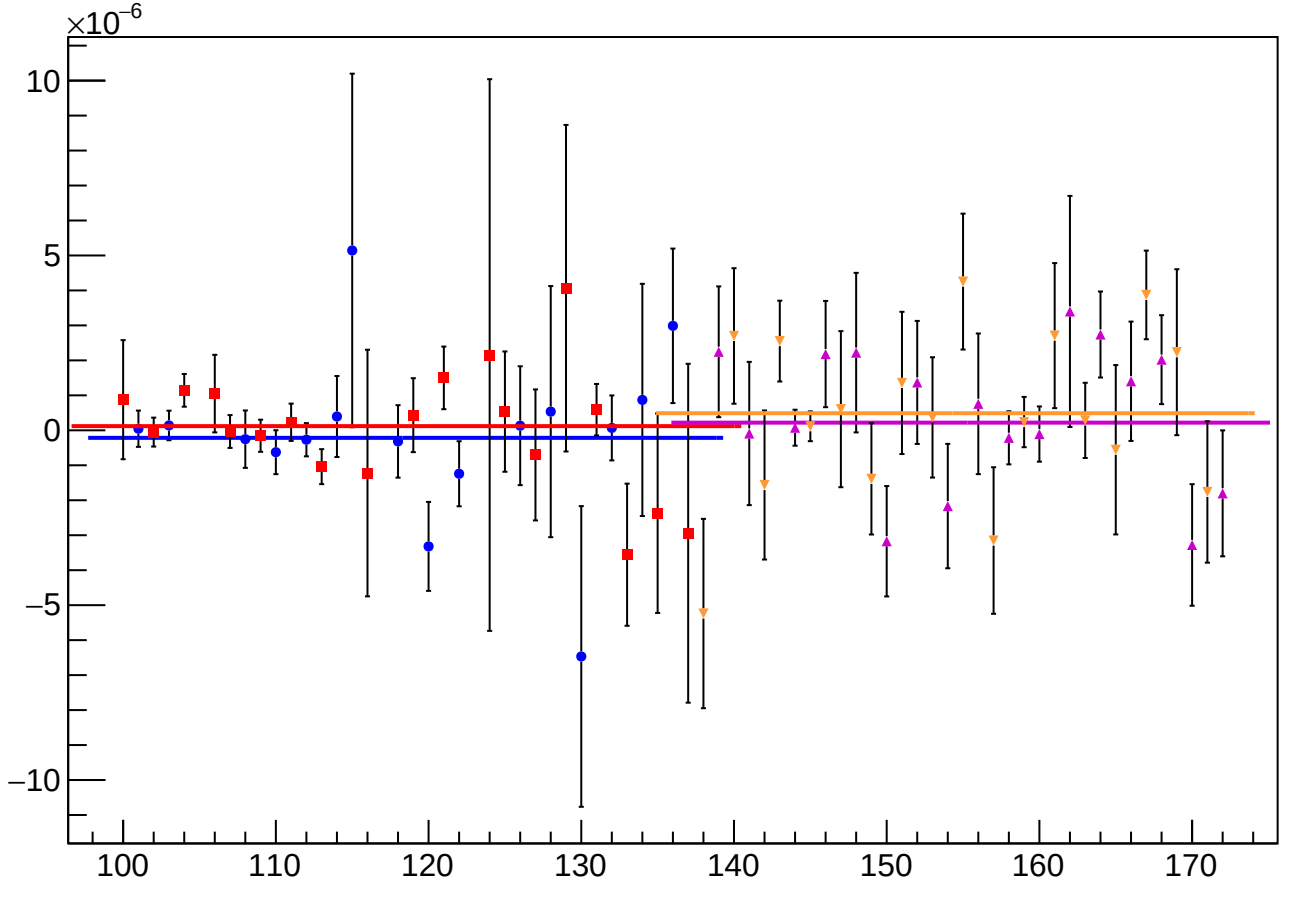
Left: 19.814+/-0.003 χ^2/NDF: 1915841.6/34

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 18.293+/-0.003 χ^2/NDF:2017719.0/32

Out: 18.616+/-0.003 χ^2/NDF:2310550.8/36

All: 18.454+/-0.002 χ^2/NDF: 4334123.5/69



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:24.1/16

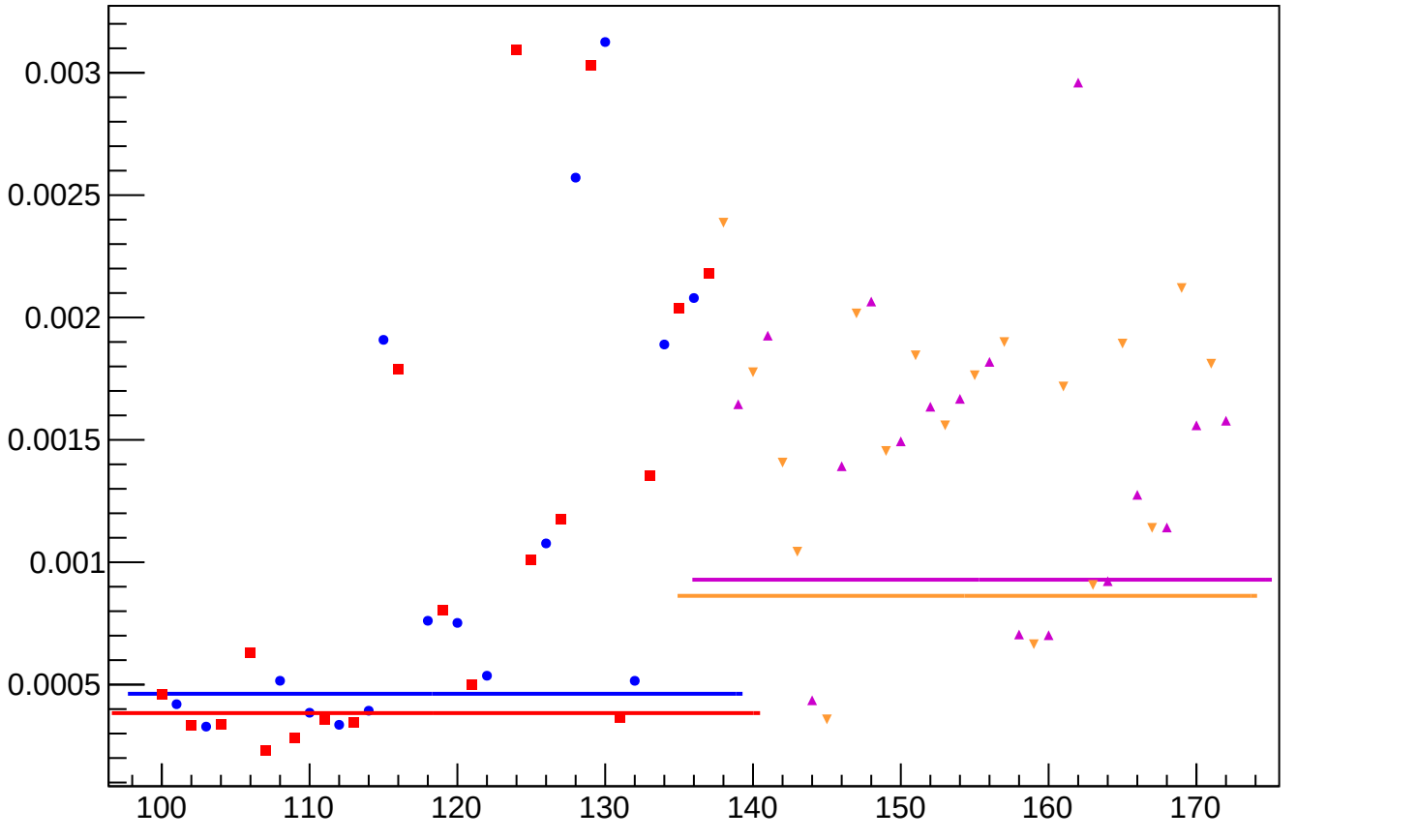
Left: 0.000+/-0.000 χ^2/NDF: 53.9/34

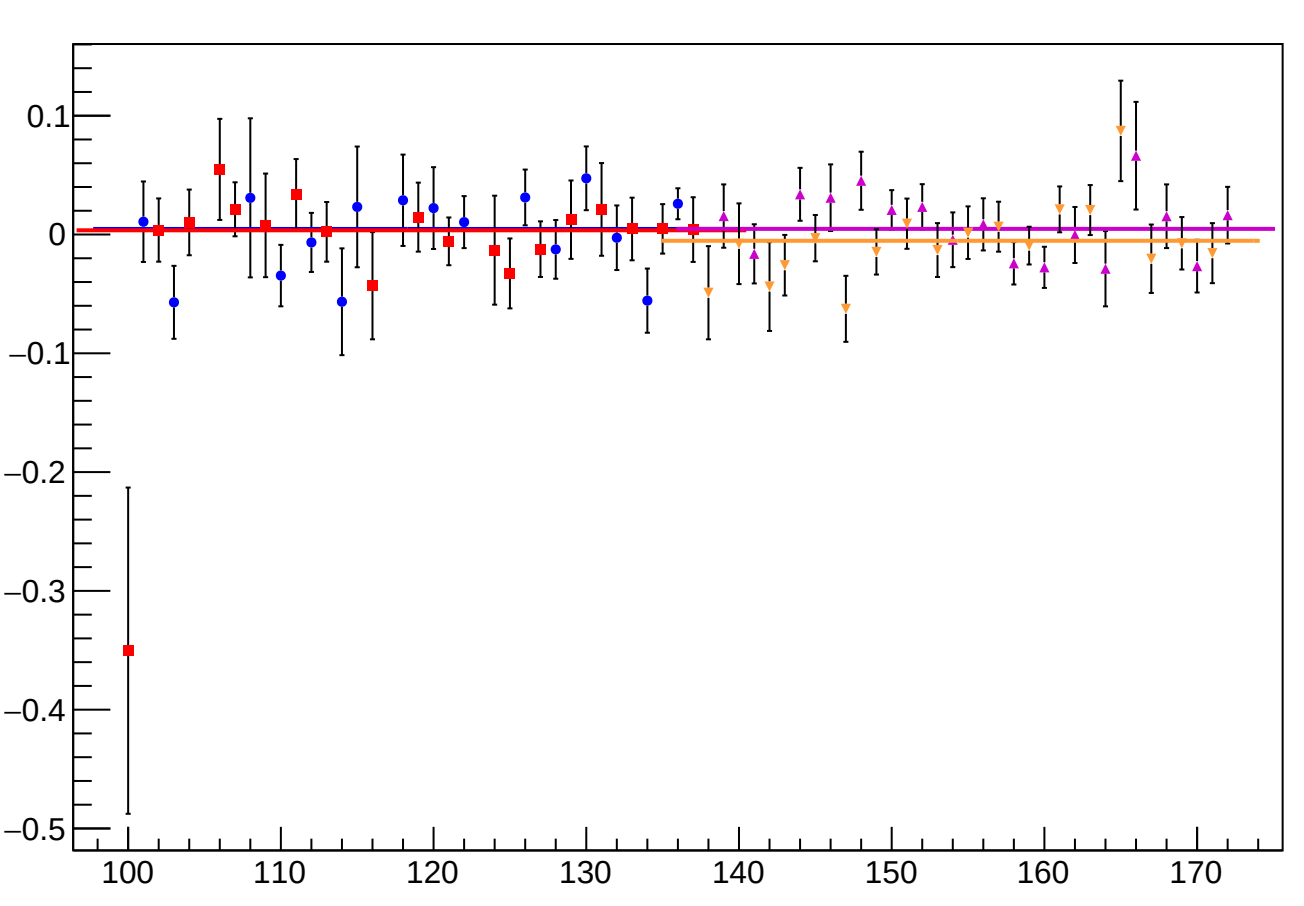
Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:40.0/32

Out: 0.000+/-0.000 χ^2/NDF:50.9/36

All: 0.000+/-0.000 χ^2/NDF: 92.6/69


asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 4015939.2/15
Left Out: 0.001+/-0.000 χ²/NDF:8543482.7/17
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:6360651.3/16
Left: 0.001+/-0.000 χ²/NDF: 14957768.7/34
Right: 0.000+/-0.000 χ²/NDF: 8244700.4/34
In: 0.001+/-0.000 χ²/NDF:13795909.1/32
Out: 0.001+/-0.000 χ²/NDF:16851090.9/36
All: 0.001+/-0.000 χ²/NDF: 31085425.6/69



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.005+/-0.005 χ^2/NDF:17.1/17

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.005+/-0.005 χ^2/NDF:19.8/16

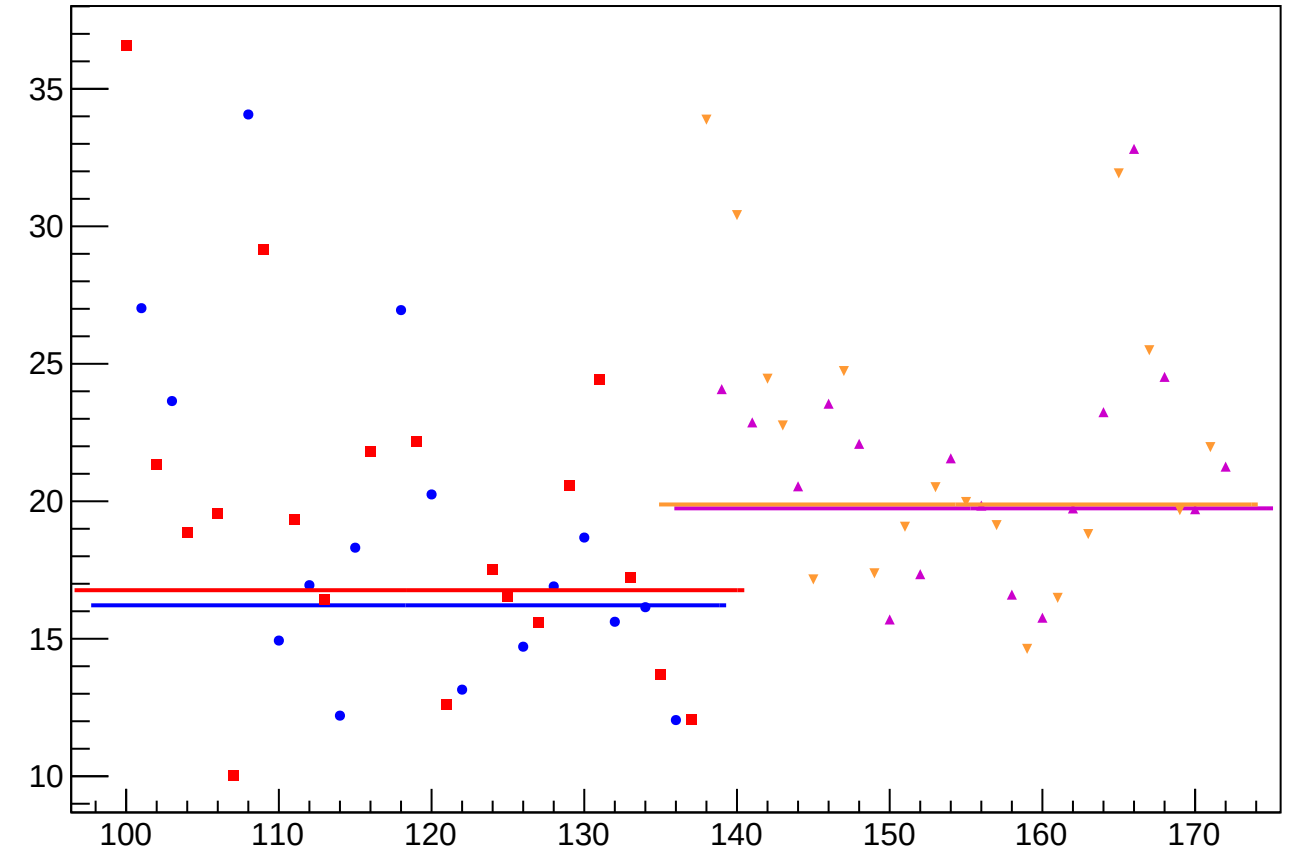
Left: -0.000+/-0.004 χ^2/NDF: 38.6/34

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:31.8/36

All: 0.002+/-0.003 χ^2/NDF: 74.2/69



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.884+/-0.004 χ^2/NDF:1181248.0/17

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: 19.814+/-0.003 χ^2/NDF: 1916056.9/34

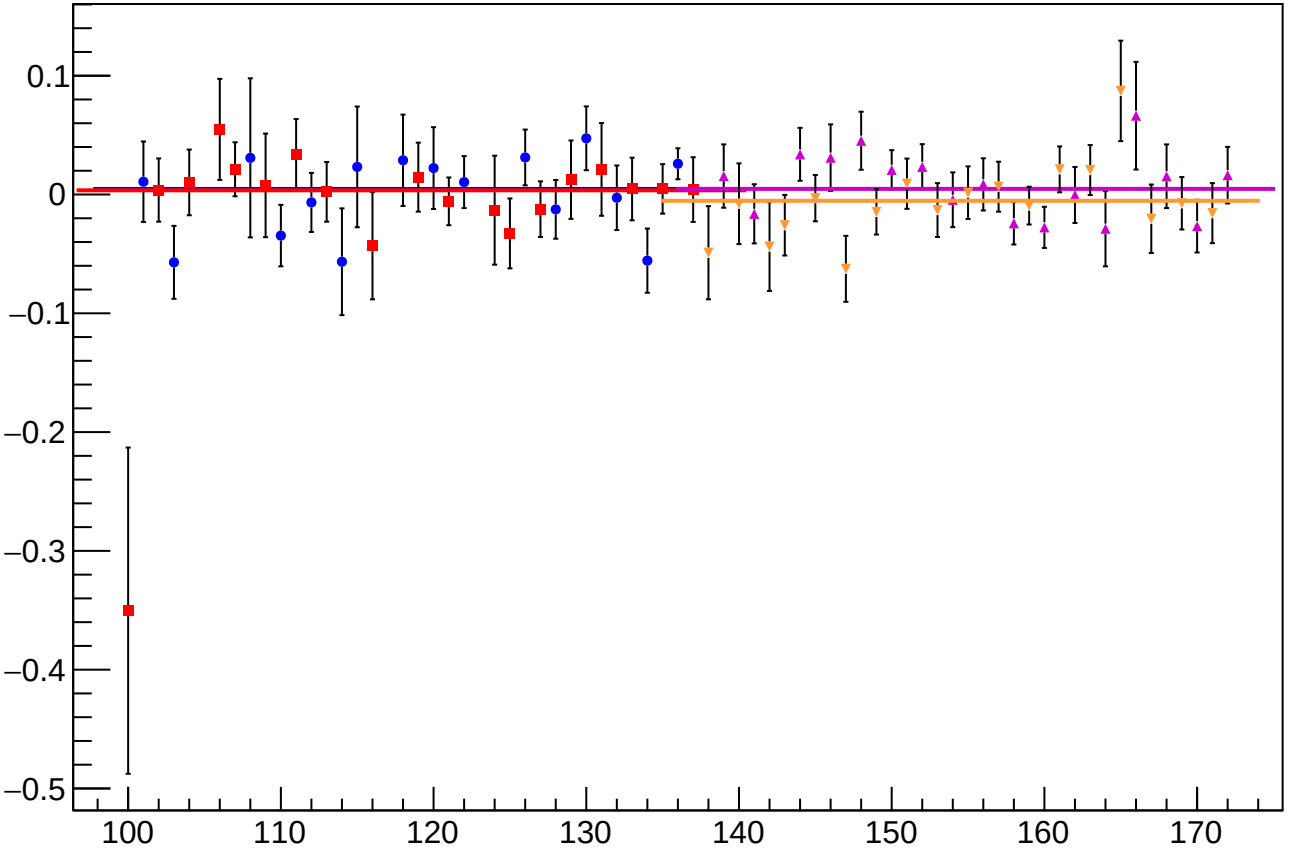
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 18.293+/-0.003 χ^2/NDF:2017834.7/32

Out: 18.616+/-0.003 χ^2/NDF:2310688.7/36

All: 18.454+/-0.002 χ^2/NDF: 4334376.9/69

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.005+/-0.005 χ^2/NDF:17.1/17

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.005+/-0.005 χ^2/NDF:19.8/16

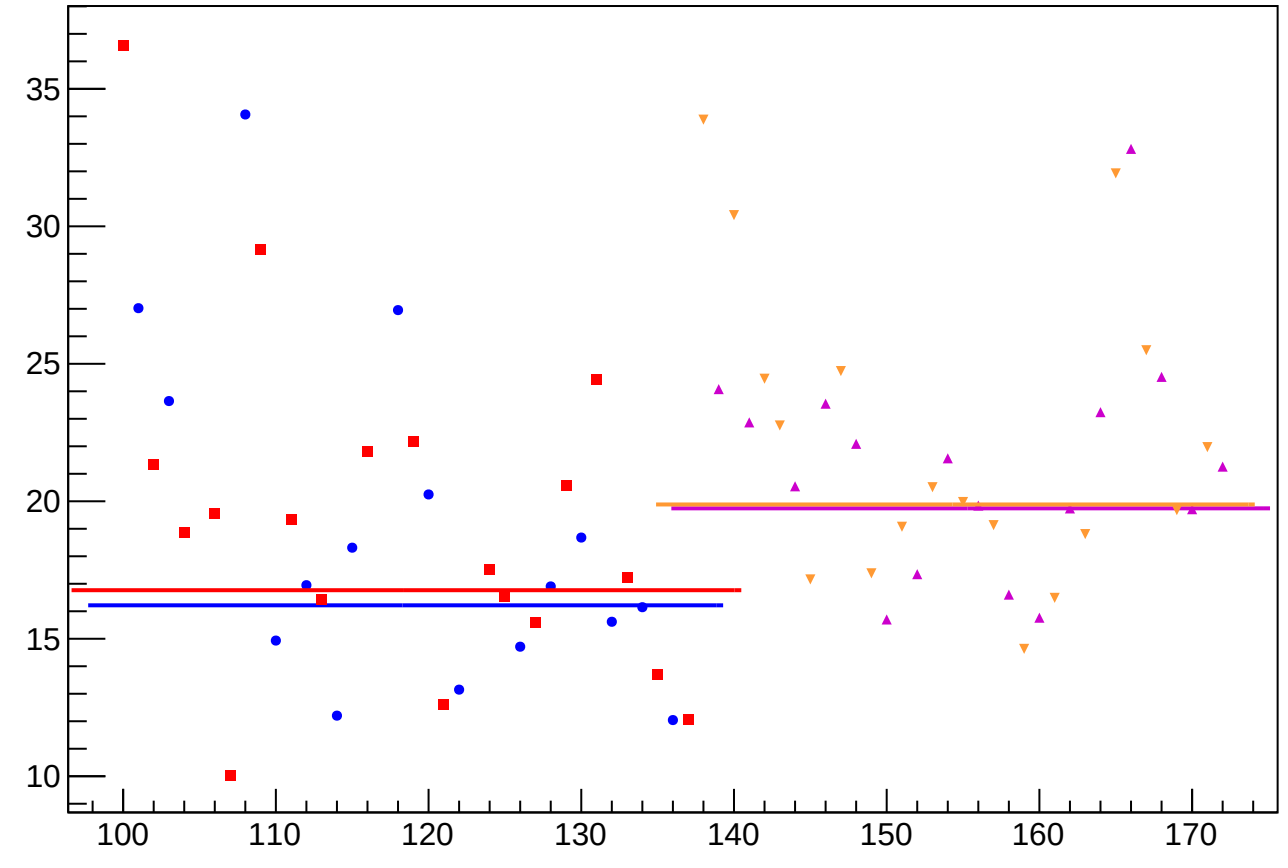
Left: -0.000+/-0.004 χ^2/NDF: 38.6/34

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:31.8/36

All: 0.002+/-0.003 χ^2/NDF: 74.2/69



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.884+/-0.004 χ^2/NDF:1181248.0/17

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.743+/-0.004 χ^2/NDF:734146.6/16

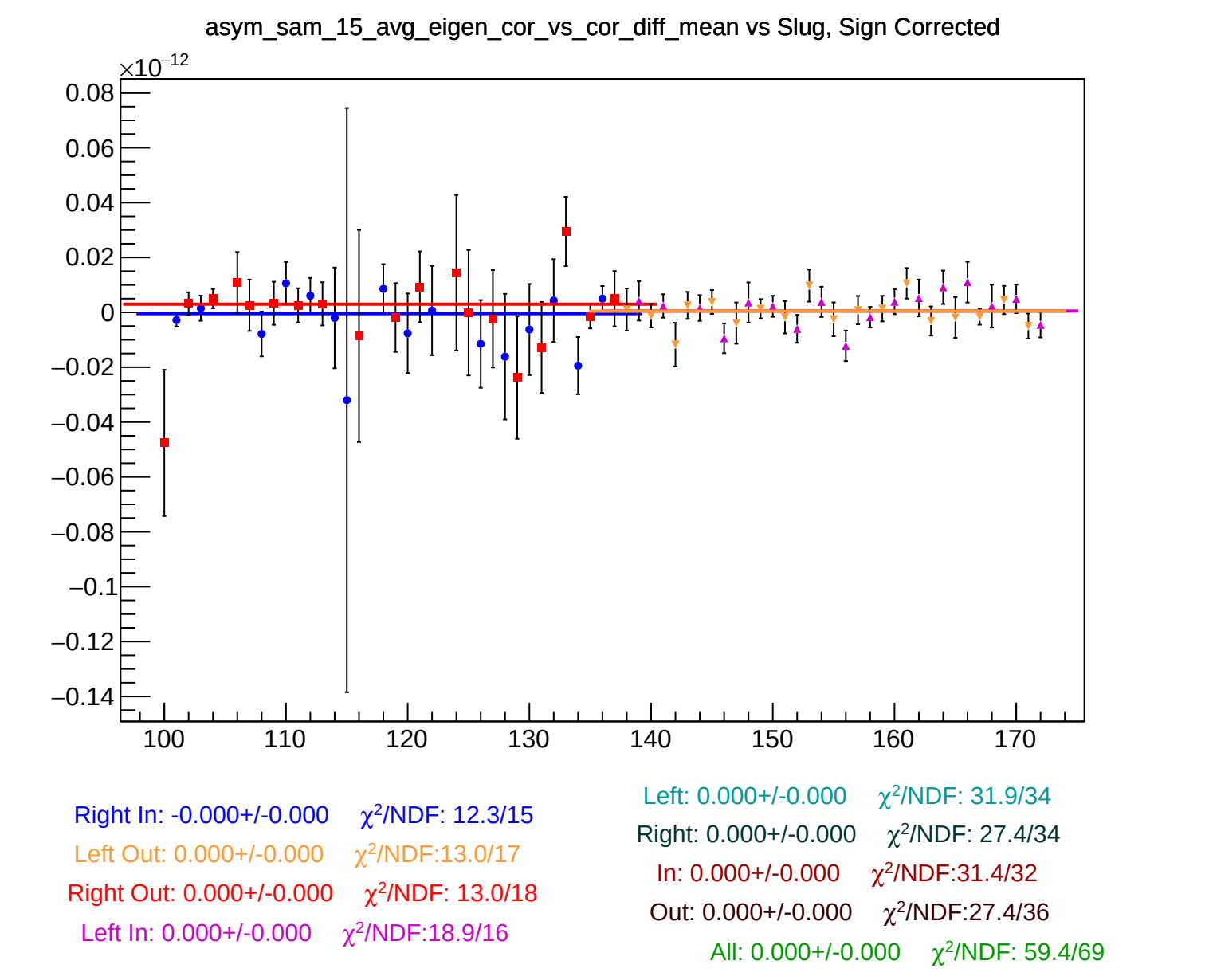
Left: 19.814+/-0.003 χ^2/NDF: 1916056.9/34

Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

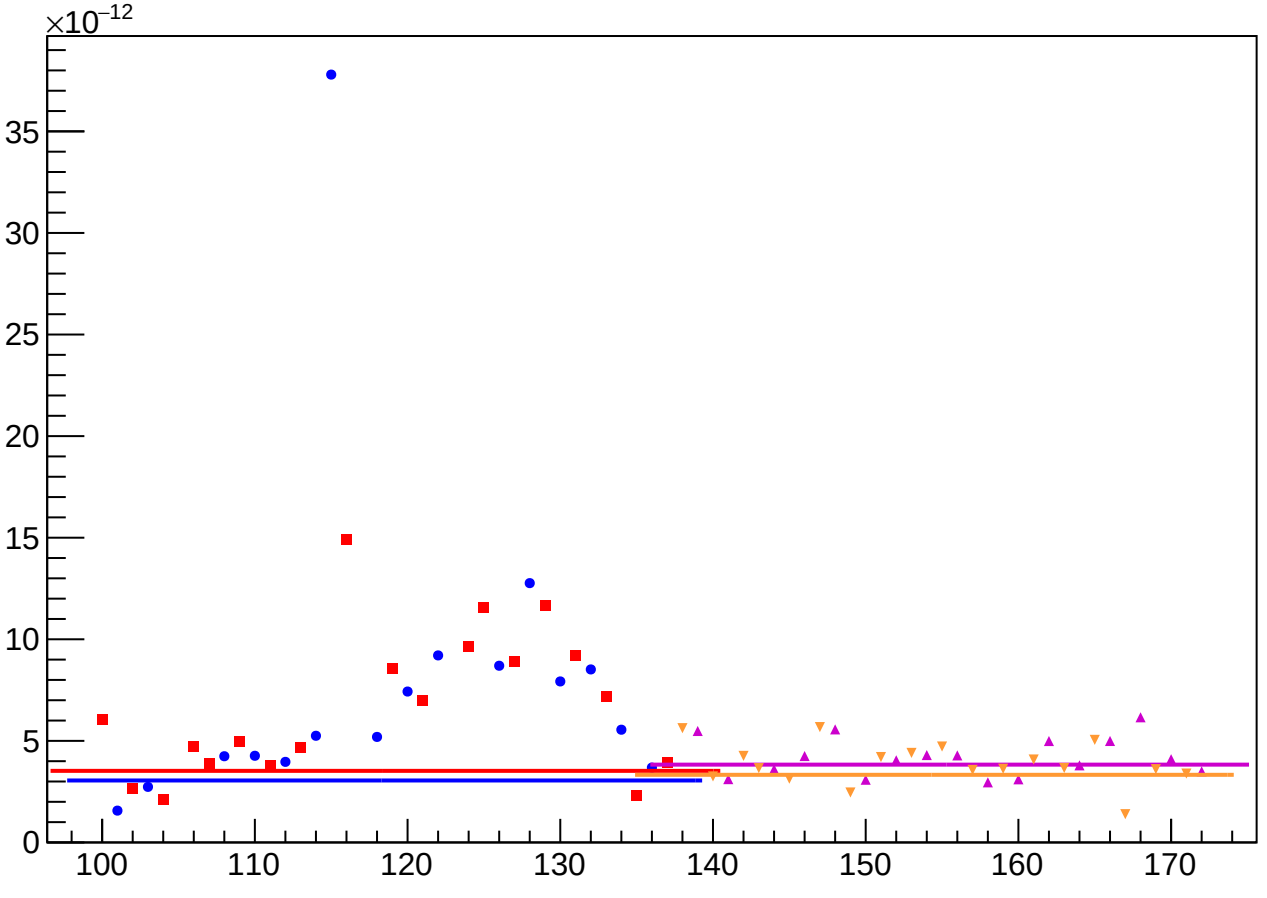
In: 18.293+/-0.003 χ^2/NDF:2017834.7/32

Out: 18.616+/-0.003 χ^2/NDF:2310688.7/36

All: 18.454+/-0.002 χ^2/NDF: 4334376.9/69


asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 12.3/15
Left Out: 0.000+/-0.000 χ²/NDF:13.0/17
Right Out: 0.000+/-0.000 χ²/NDF: 13.0/18
Left In: 0.000+/-0.000 χ²/NDF:18.9/16
Left: 0.000+/-0.000 χ²/NDF: 31.9/34
Right: 0.000+/-0.000 χ²/NDF: 27.4/34
In: 0.000+/-0.000 χ²/NDF:31.4/32
Out: 0.000+/-0.000 χ²/NDF:27.4/36
All: 0.000+/-0.000 χ²/NDF: 59.4/69

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2937232.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1780341.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2559080.1/18

Left In: 0.000+/-0.000 χ^2/NDF:858430.9/16

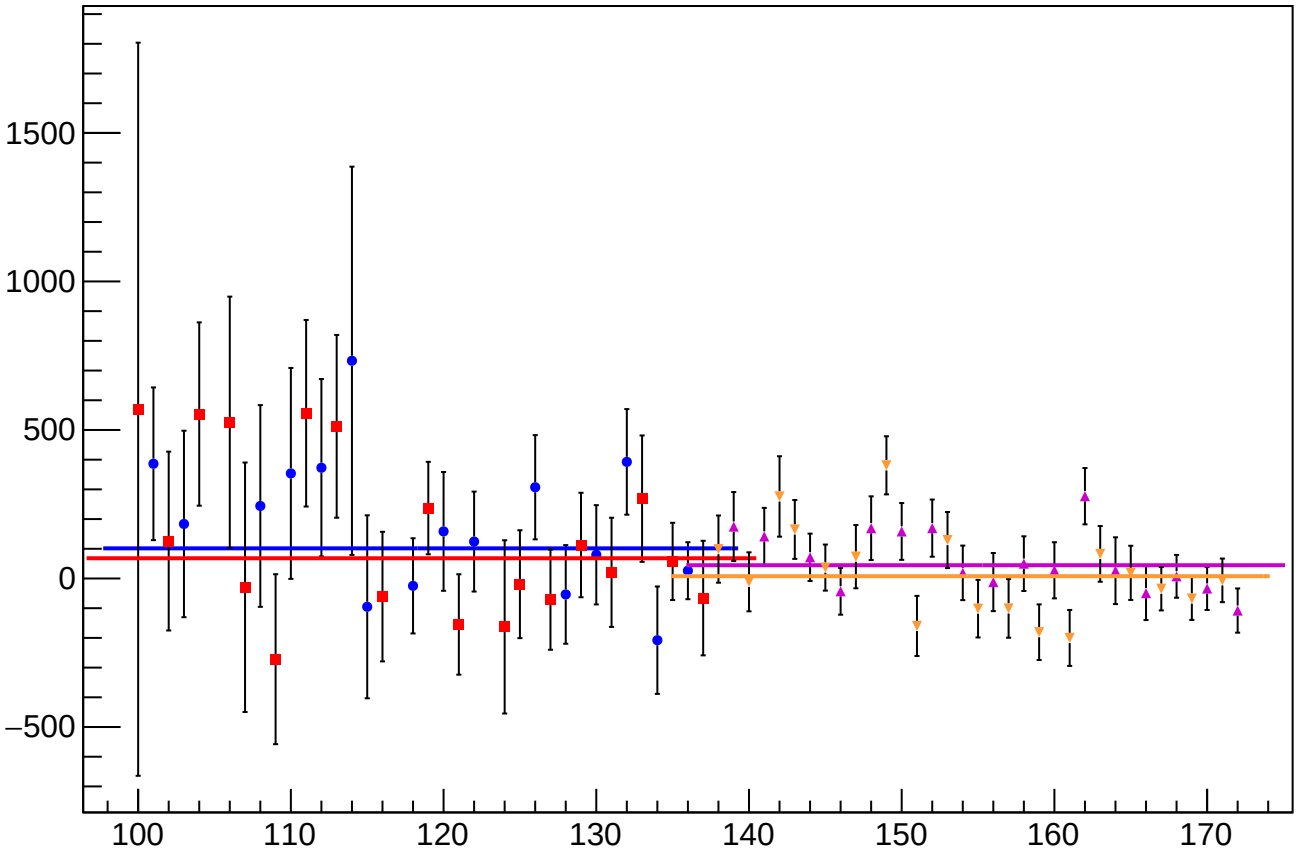
Left: 0.000+/-0.000 χ^2/NDF: 2808849.6/34

Right: 0.000+/-0.000 χ^2/NDF: 5572682.8/34

In: 0.000+/-0.000 χ^2/NDF:4081087.1/32

Out: 0.000+/-0.000 χ^2/NDF:4356018.7/36

All: 0.000+/-0.000 χ^2/NDF: 8460954.9/69



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: 7.742+/-21.610 χ^2/NDF:40.1/17

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: 26.171+/-15.294 χ^2/NDF: 62.9/34

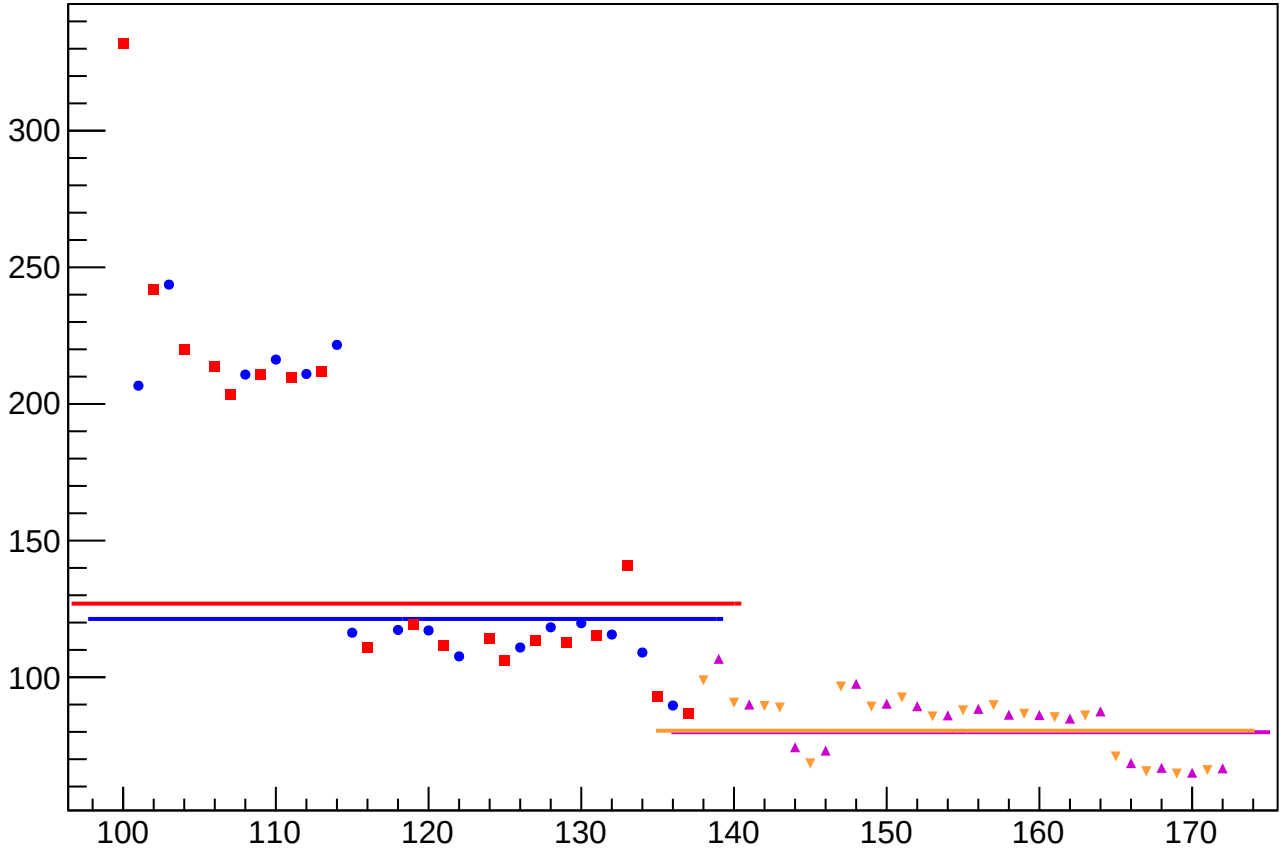
Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 54.389+/-19.708 χ^2/NDF:35.8/32

Out: 17.463+/-19.794 χ^2/NDF:57.5/36

All: 36.006+/-13.966 χ^2/NDF: 95.1/69

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 80.422+/-0.015 χ^2/NDF:570646.8/17

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: 80.154+/-0.011 χ^2/NDF: 1123308.3/34

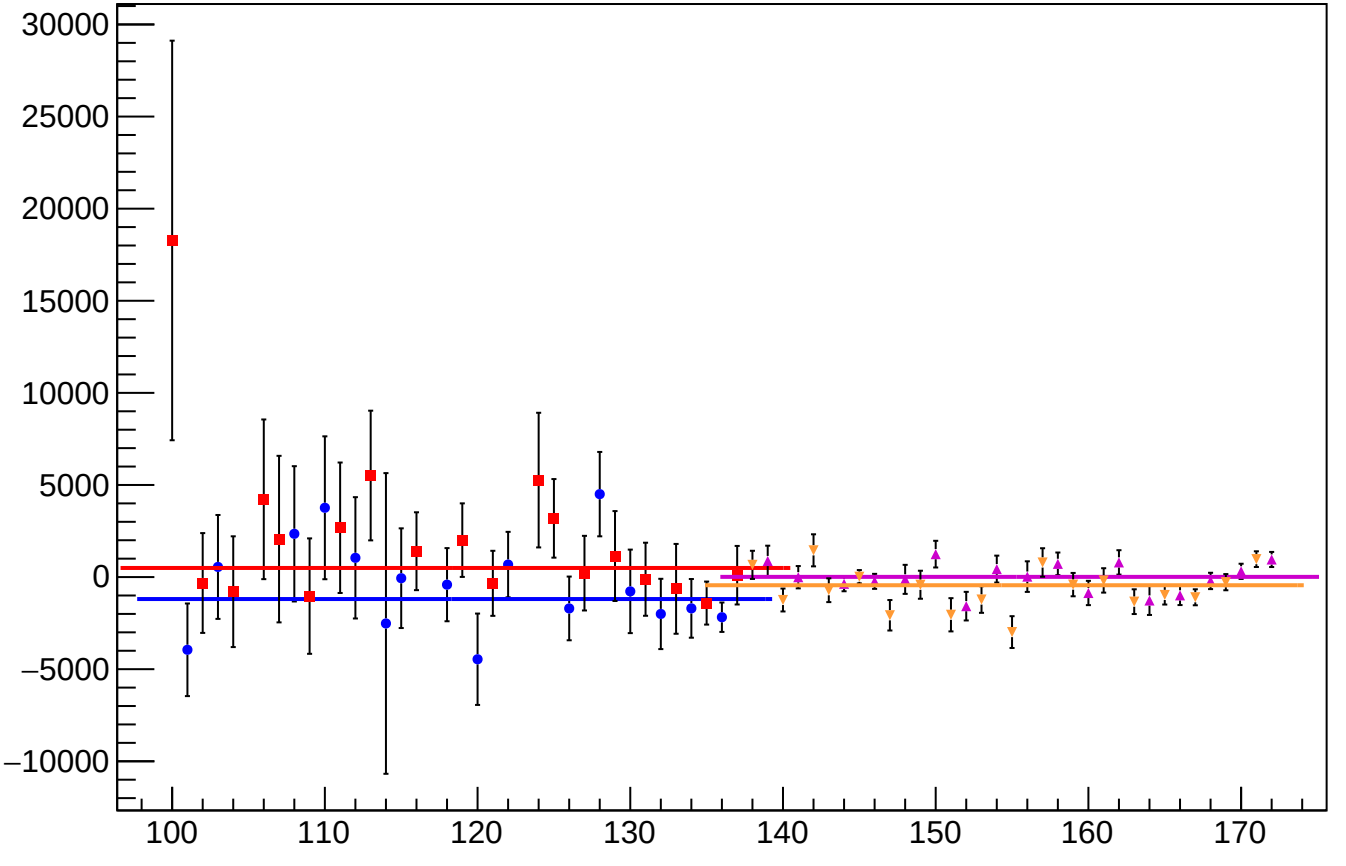
Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 86.980+/-0.014 χ^2/NDF:3093452.0/32

Out: 87.913+/-0.014 χ^2/NDF:3534813.1/36

All: 87.444+/-0.010 χ^2/NDF: 6630499.5/69

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: -443.112+/-139.113 χ^2/NDF:46.1/17

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: 11.183+/-135.812 χ^2/NDF:26.6/16

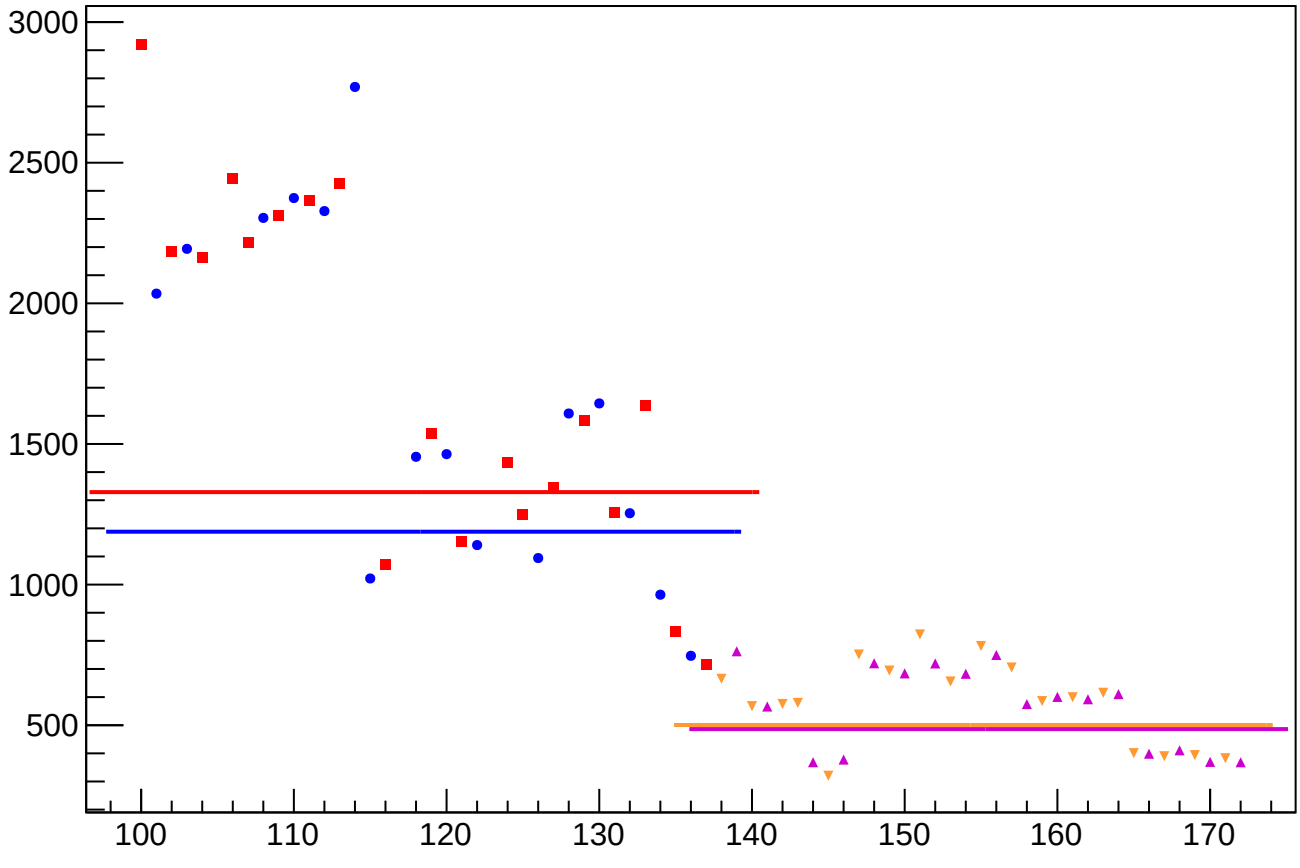
Left: -210.511+/-97.180 χ^2/NDF: 78.2/34

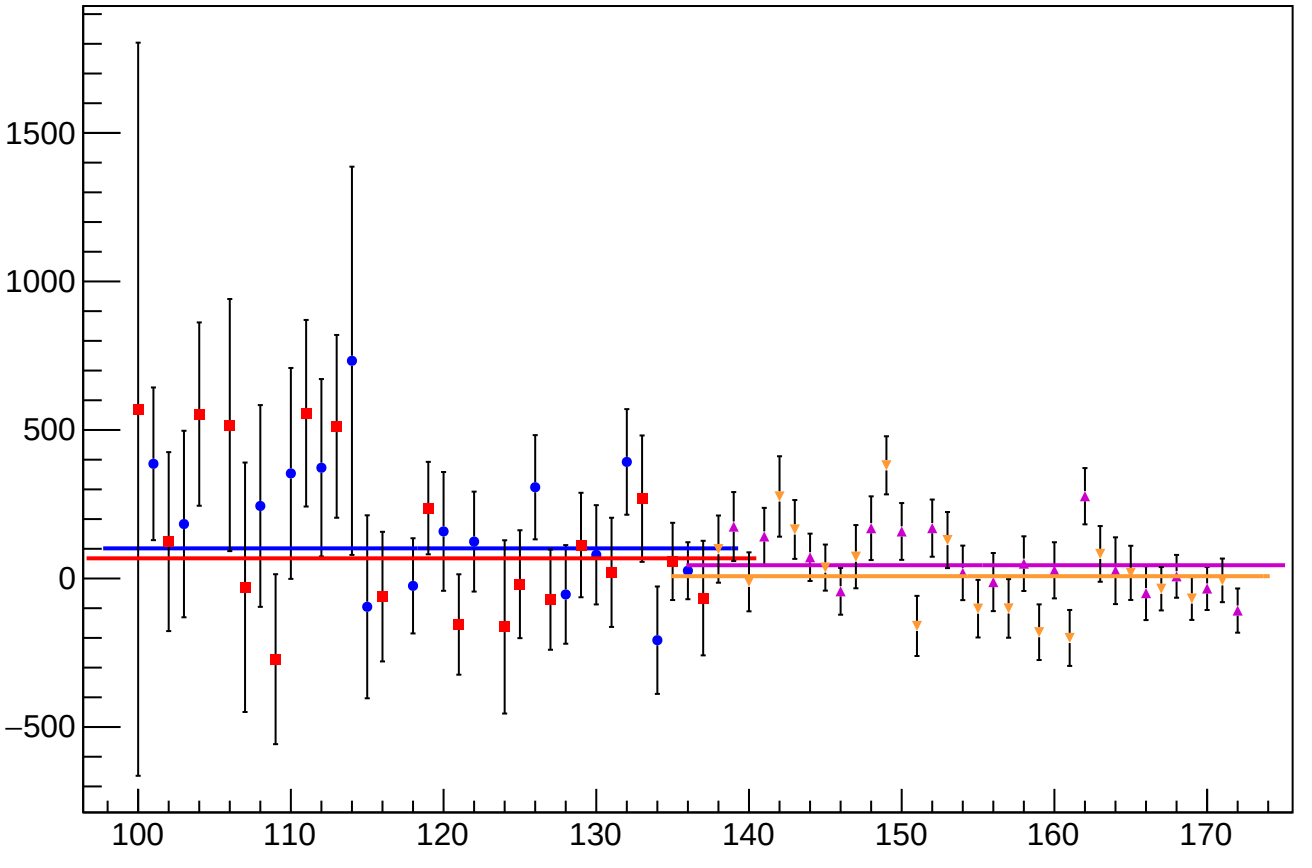
Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -78.389+/-130.660 χ^2/NDF:48.4/32

Out: -380.874+/-134.417 χ^2/NDF:63.0/36

All: -225.344+/-93.691 χ^2/NDF: 114.0/69


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: 500.847+/-0.098 χ²/NDF:2282587.6/17
Right Out: 1328.816+/-0.369 χ²/NDF: 1957758.3/18
Left In: 486.260+/-0.096 χ²/NDF:2064275.2/16
Left: 493.378+/-0.069 χ²/NDF: 4358121.2/34
Right: 1252.427+/-0.249 χ²/NDF: 4081382.8/34
In: 538.500+/-0.092 χ²/NDF:8084219.5/32
Out: 555.799+/-0.095 χ²/NDF:8942524.2/36
All: 546.904+/-0.066 χ²/NDF: 17043777.6/69



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 7.744+/-21.610 χ^2/NDF:40.1/17

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 44.664+/-21.648 χ^2/NDF:21.3/16

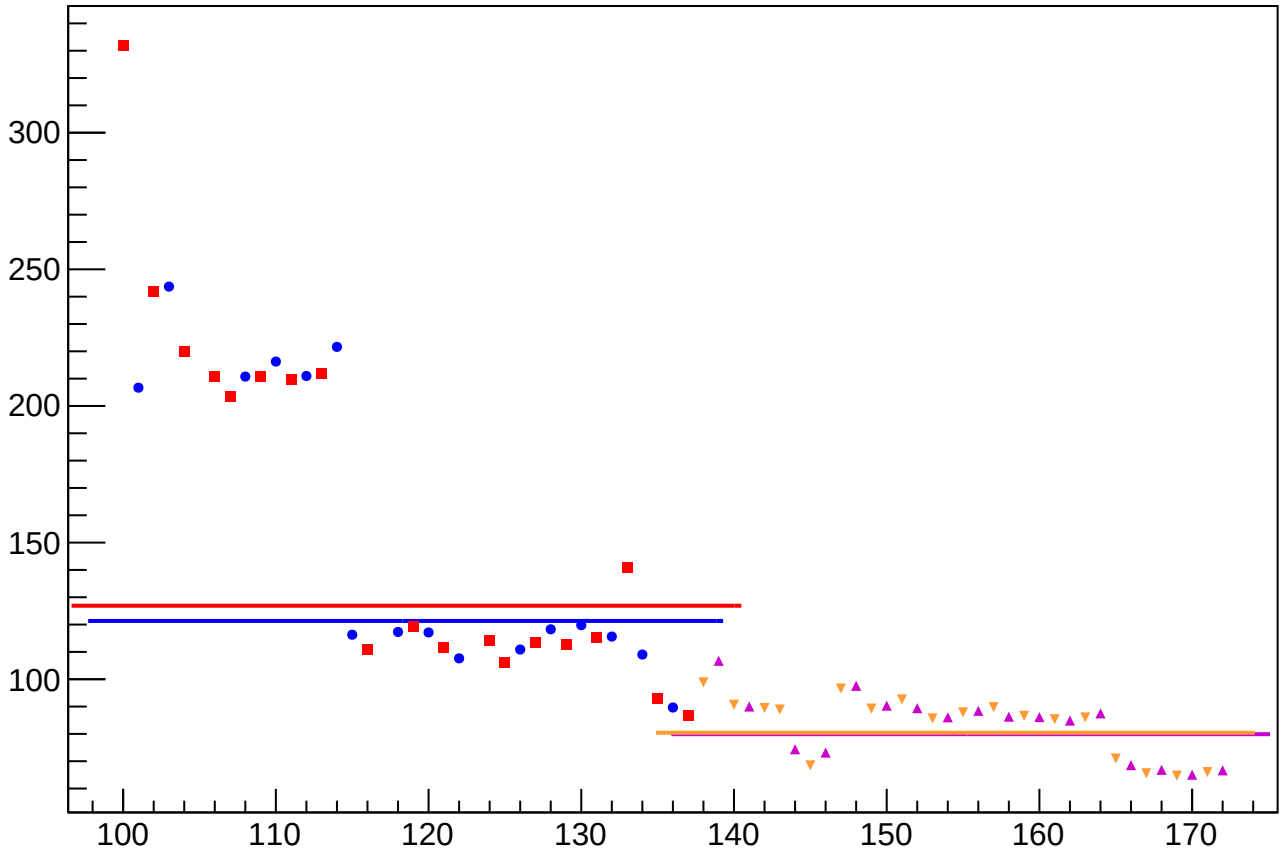
Left: 26.172+/-15.294 χ^2/NDF: 62.9/34

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 54.386+/-19.708 χ^2/NDF:35.8/32

Out: 17.427+/-19.794 χ^2/NDF:57.5/36

All: 35.987+/-13.966 χ^2/NDF: 95.0/69



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 80.422+/-0.015 χ^2/NDF:570646.8/17

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: 80.154+/-0.011 χ^2/NDF: 1123308.3/34

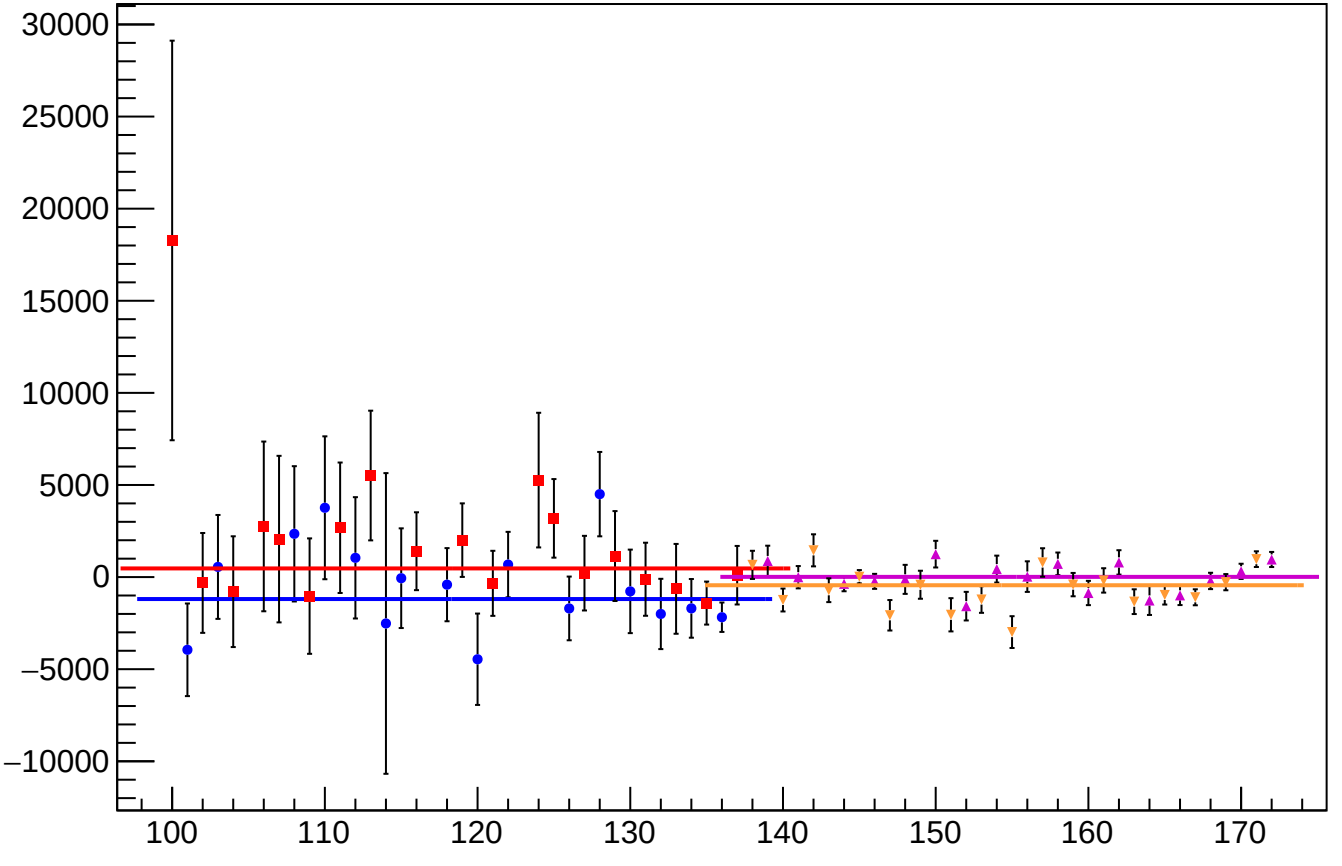
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 86.980+/-0.014 χ^2/NDF:3093454.1/32

Out: 87.904+/-0.014 χ^2/NDF:3525336.0/36

All: 87.440+/-0.010 χ^2/NDF: 6620982.4/69

asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -443.107+/-139.113 χ^2/NDF:46.1/17

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 11.184+/-135.812 χ^2/NDF:26.6/16

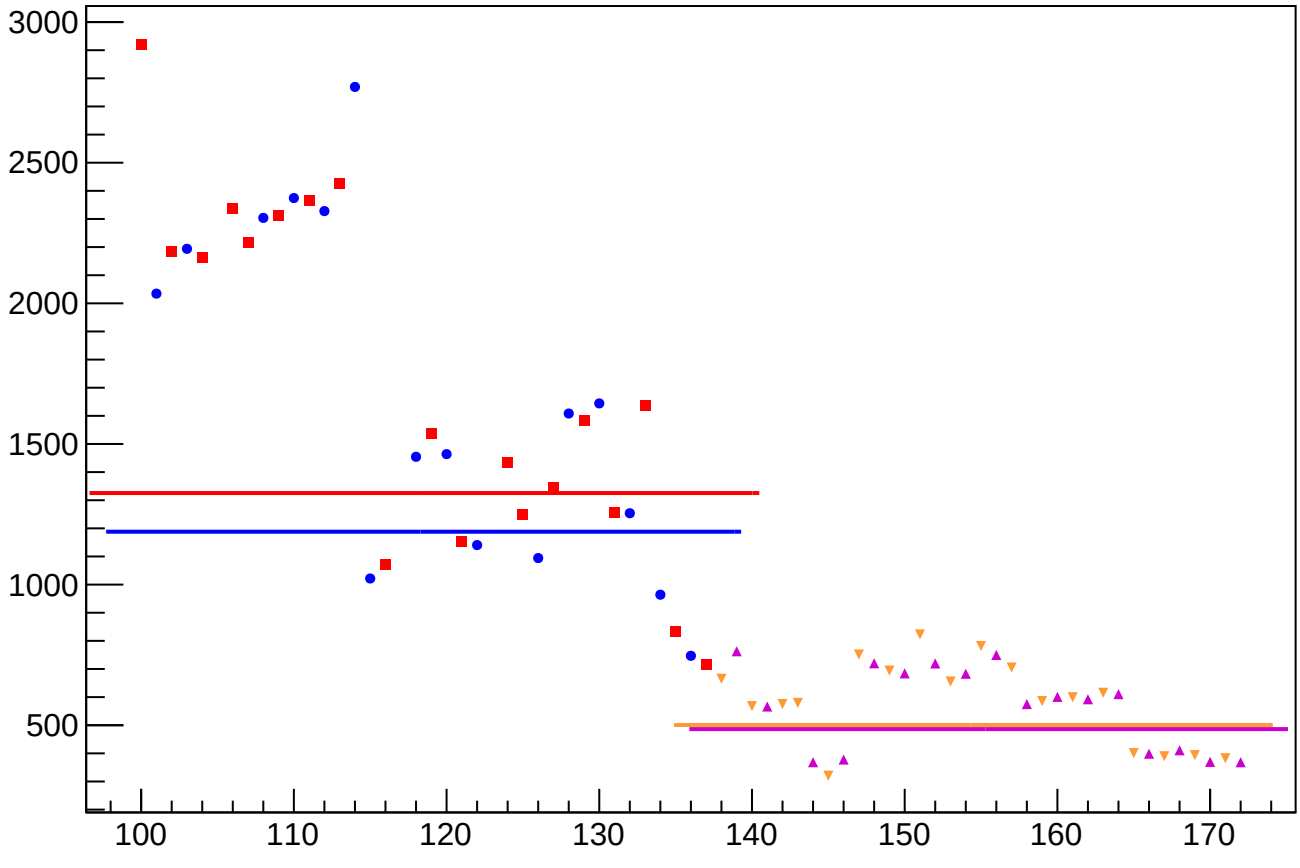
Left: -210.509+/-97.180 χ^2/NDF: 78.2/34

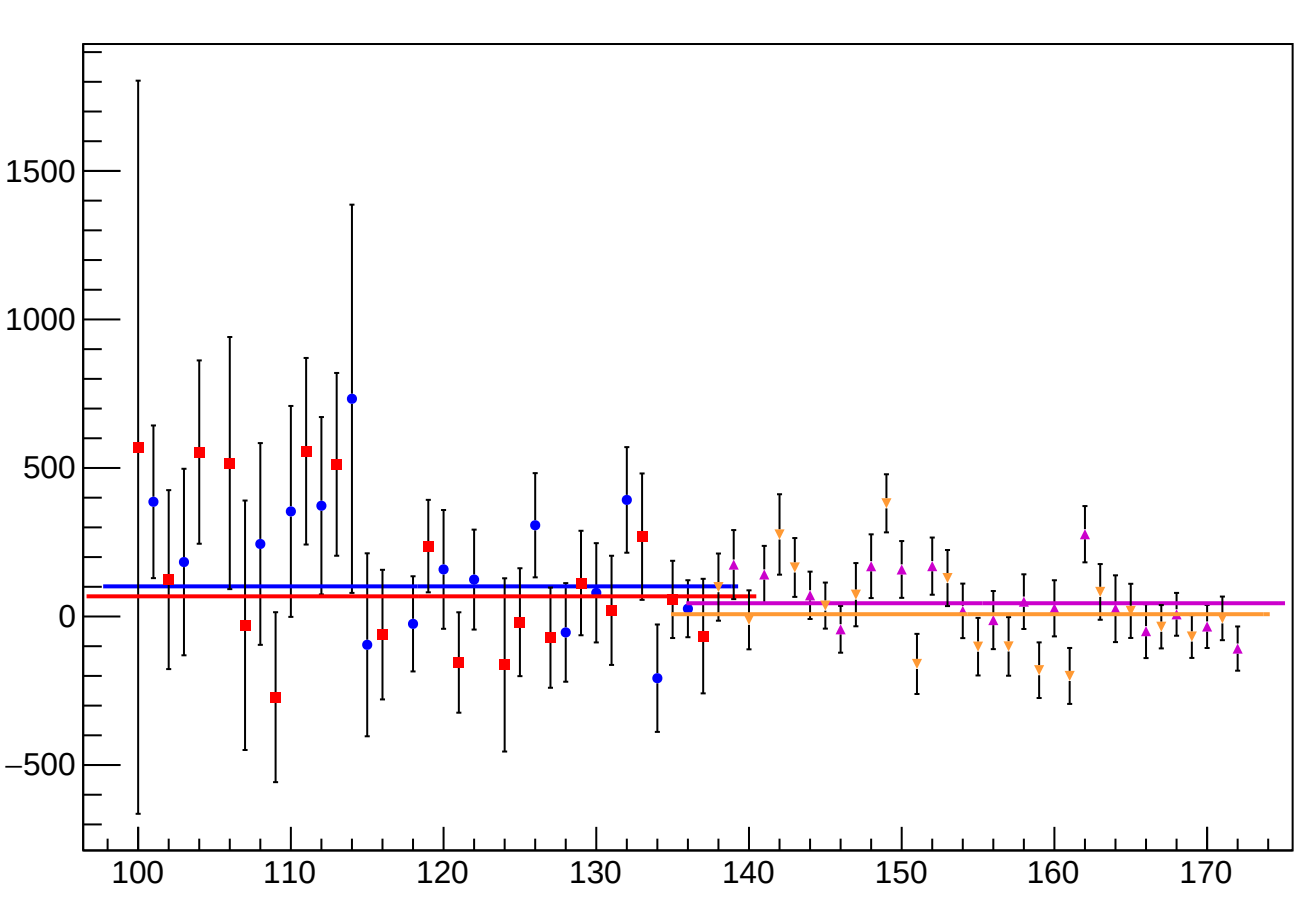
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -78.387+/-130.660 χ^2/NDF:48.4/32

Out: -382.618+/-134.425 χ^2/NDF:62.4/36

All: -226.182+/-93.693 χ^2/NDF: 113.4/69


asym_sam_26_avg_cor_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: 2044666.3/15
Left Out: 500.846+/-0.098 χ²/NDF:2282594.9/17
Right Out: 1325.564+/-0.369 χ²/NDF: 1920986.7/18
Left In: 486.260+/-0.096 χ²/NDF:2064273.5/16
Left: 493.378+/-0.069 χ²/NDF: 4358125.9/34
Right: 1250.882+/-0.250 χ²/NDF: 4040963.9/34
In: 538.500+/-0.092 χ²/NDF:8084232.3/32
Out: 555.496+/-0.095 χ²/NDF:8861432.7/36
All: 546.756+/-0.066 χ²/NDF: 16962104.6/69



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: 7.744+/-21.610 χ^2/NDF:40.1/17

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 44.664+/-21.648 χ^2/NDF:21.3/16

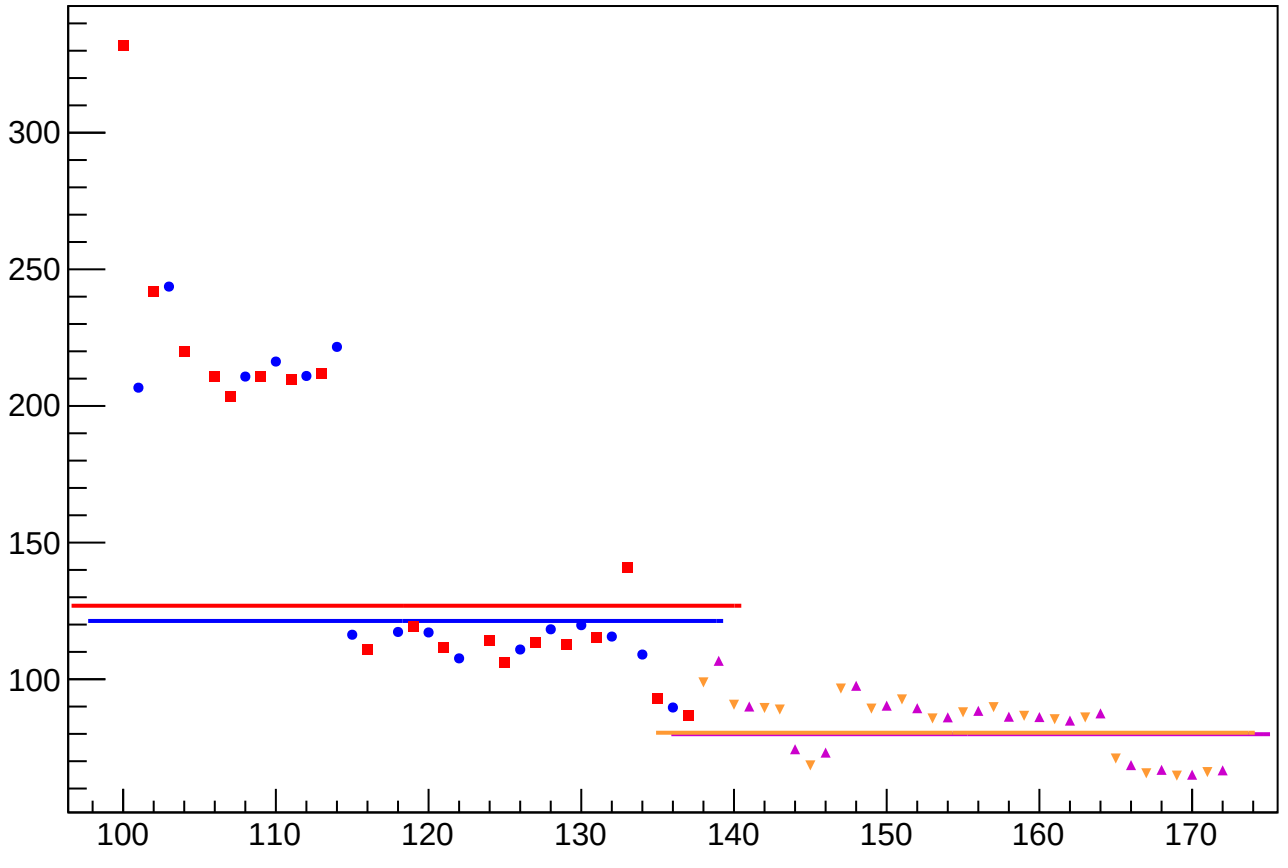
Left: 26.172+/-15.294 χ^2/NDF: 62.9/34

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 54.386+/-19.708 χ^2/NDF:35.8/32

Out: 17.427+/-19.794 χ^2/NDF:57.5/36

All: 35.987+/-13.966 χ^2/NDF: 95.0/69



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 80.422+/-0.015 χ^2/NDF:570646.8/17

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: 80.154+/-0.011 χ^2/NDF: 1123308.3/34

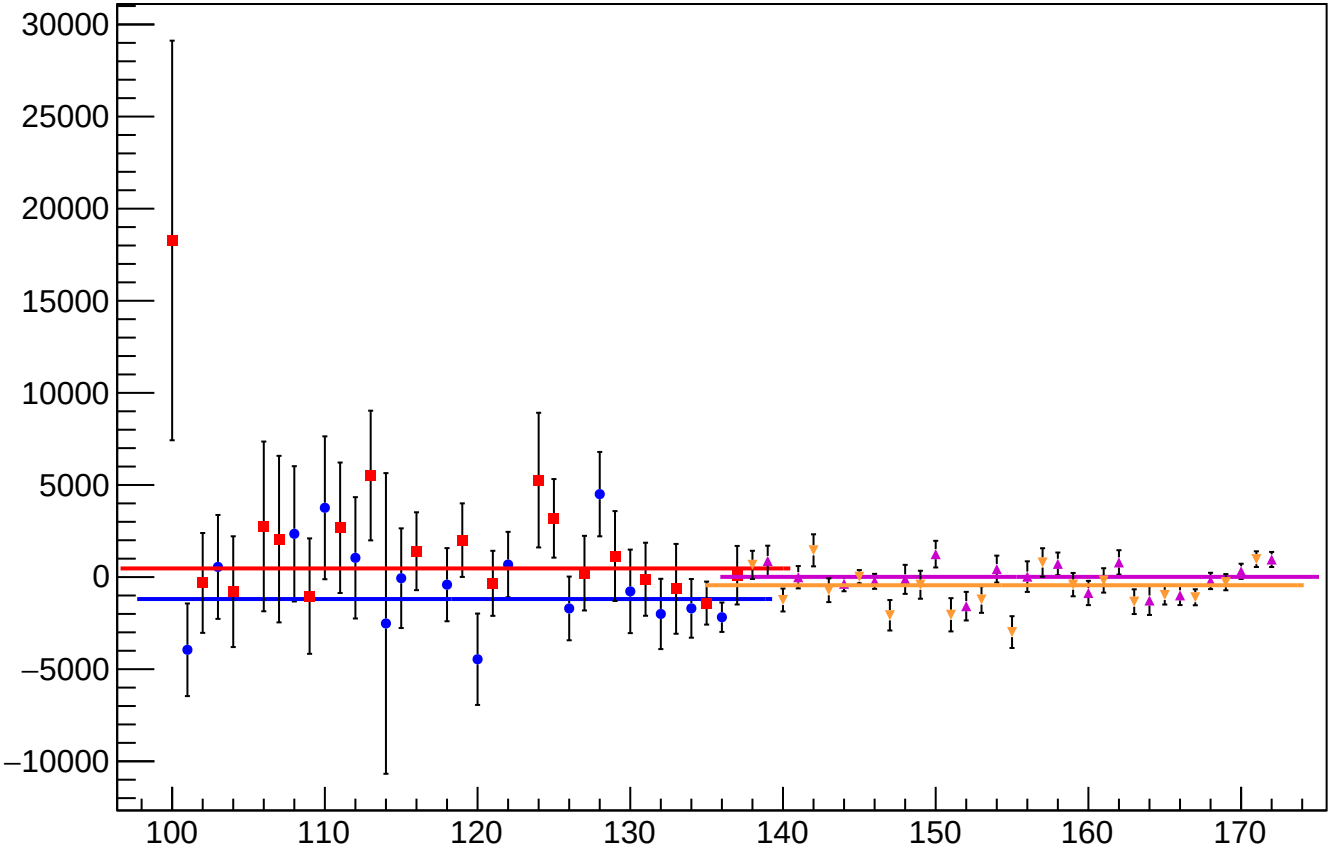
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 86.980+/-0.014 χ^2/NDF:3093454.1/32

Out: 87.904+/-0.014 χ^2/NDF:3525336.0/36

All: 87.440+/-0.010 χ^2/NDF: 6620982.4/69

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: -443.107+/-139.113 χ^2/NDF:46.1/17

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 11.184+/-135.812 χ^2/NDF:26.6/16

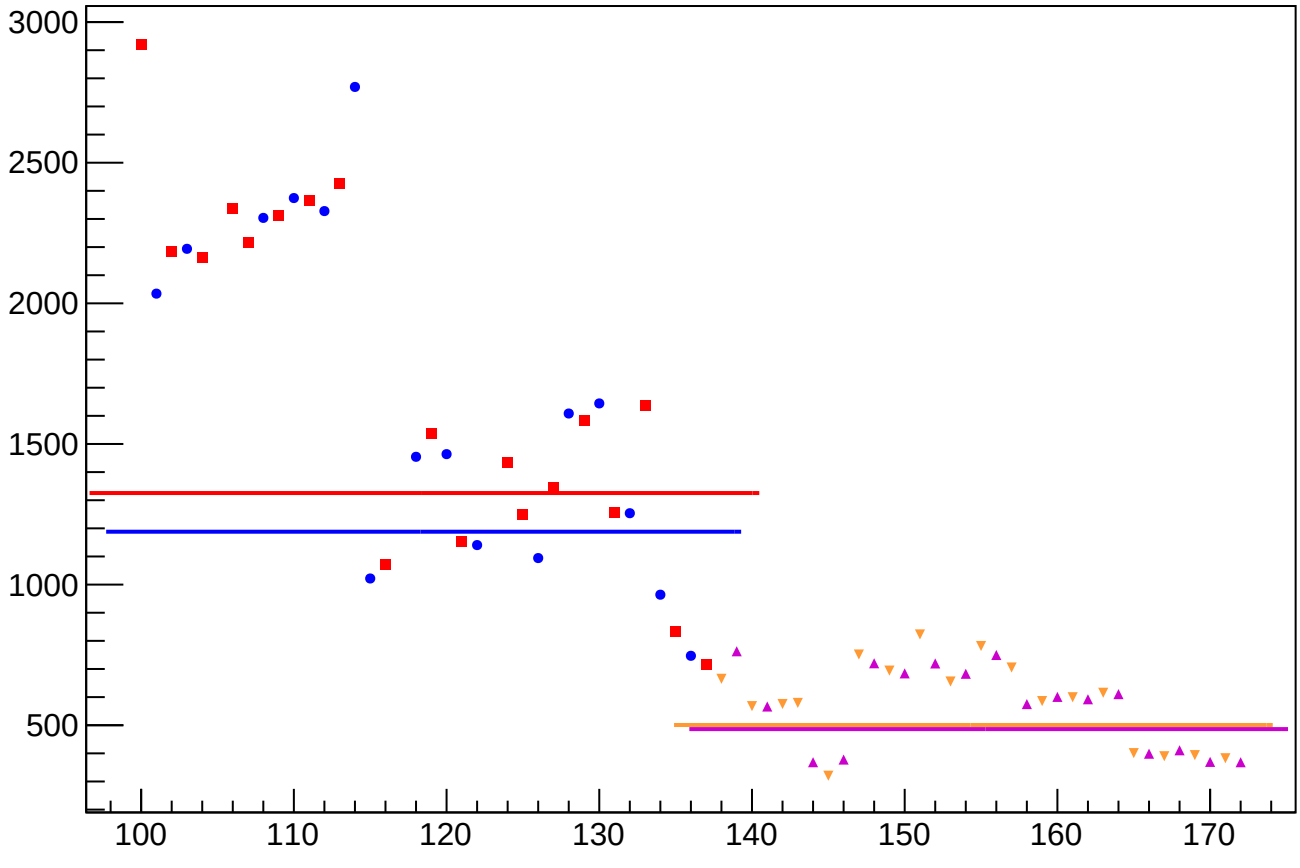
Left: -210.509+/-97.180 χ^2/NDF: 78.2/34

Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -78.387+/-130.660 χ^2/NDF:48.4/32

Out: -382.618+/-134.425 χ^2/NDF:62.4/36

All: -226.182+/-93.693 χ^2/NDF: 113.4/69



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 500.846+/-0.098 χ^2/NDF:2282594.9/17

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 486.260+/-0.096 χ^2/NDF:2064273.5/16

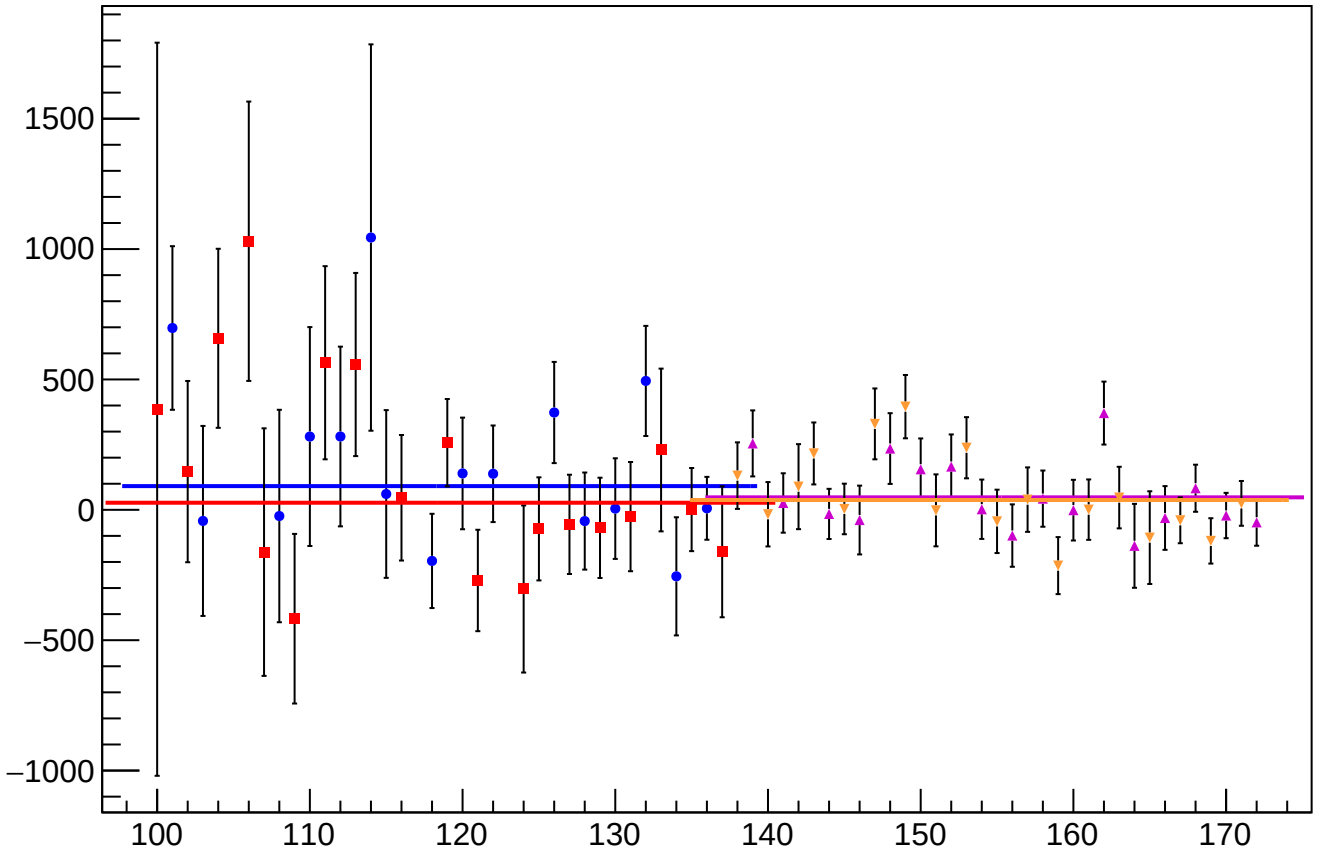
Left: 493.378+/-0.069 χ^2/NDF: 4358125.9/34

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 538.500+/-0.092 χ^2/NDF:8084232.3/32

Out: 555.496+/-0.095 χ^2/NDF:8861432.7/36

All: 546.756+/-0.066 χ^2/NDF: 16962104.6/69



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 37.592+/-26.912 χ^2/NDF:30.1/17

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 47.858+/-27.147 χ^2/NDF:19.9/16

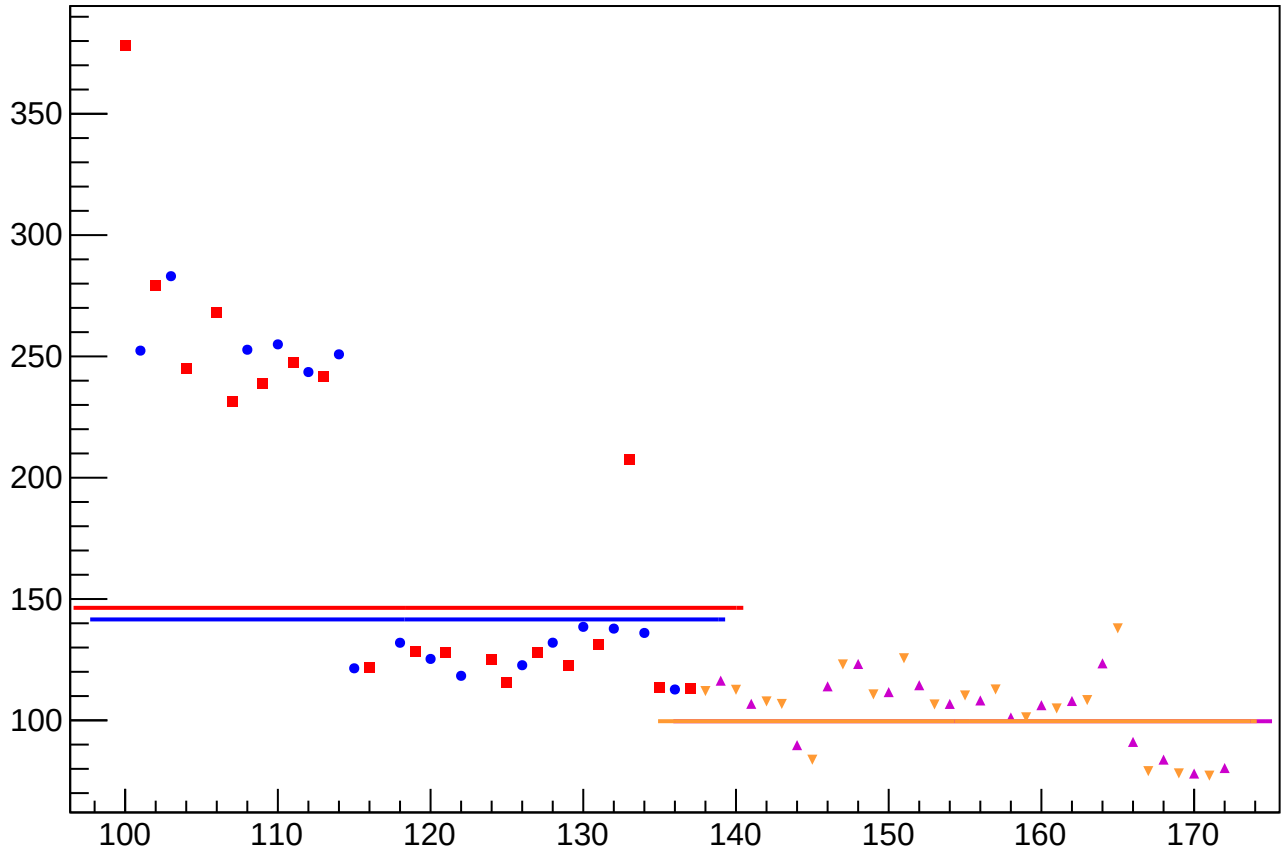
Left: 42.680+/-19.112 χ^2/NDF: 50.1/34

Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 56.154+/-24.392 χ^2/NDF:38.5/32

Out: 35.693+/-24.337 χ^2/NDF:50.7/36

All: 45.901+/-17.228 χ^2/NDF: 89.5/69



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 99.637+/-0.019 χ^2/NDF:774404.4/17

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 99.620+/-0.019 χ^2/NDF:562793.2/16

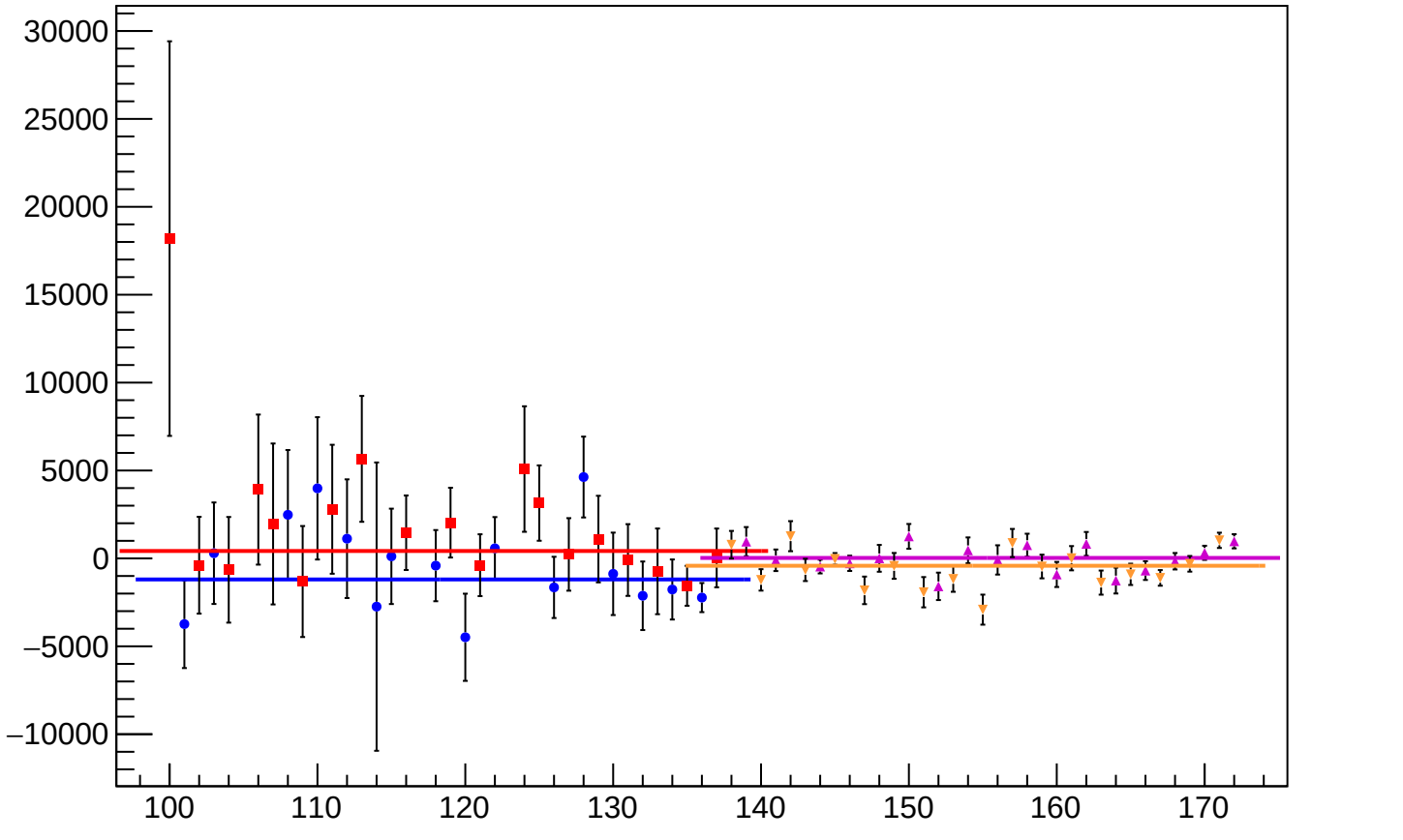
Left: 99.628+/-0.014 χ^2/NDF: 1337198.1/34

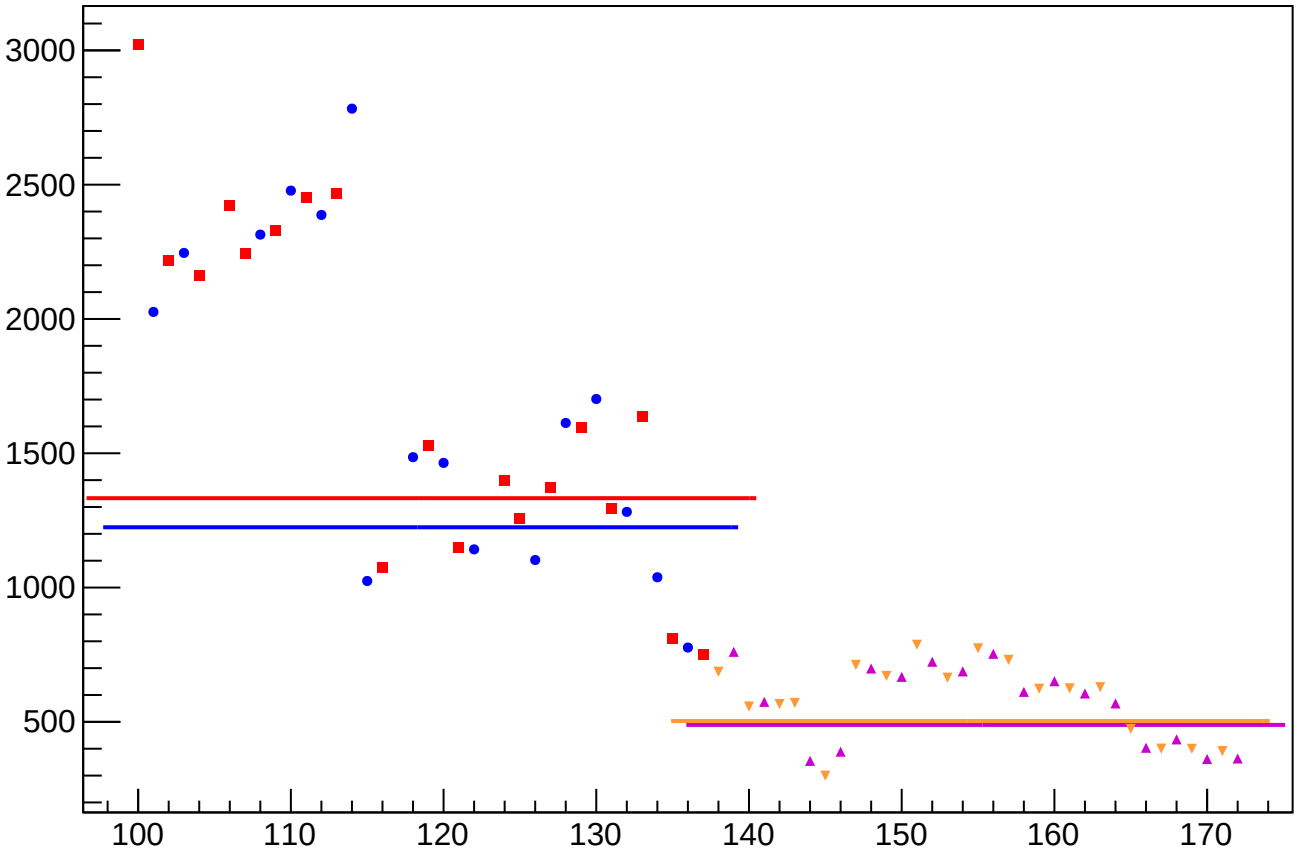
Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

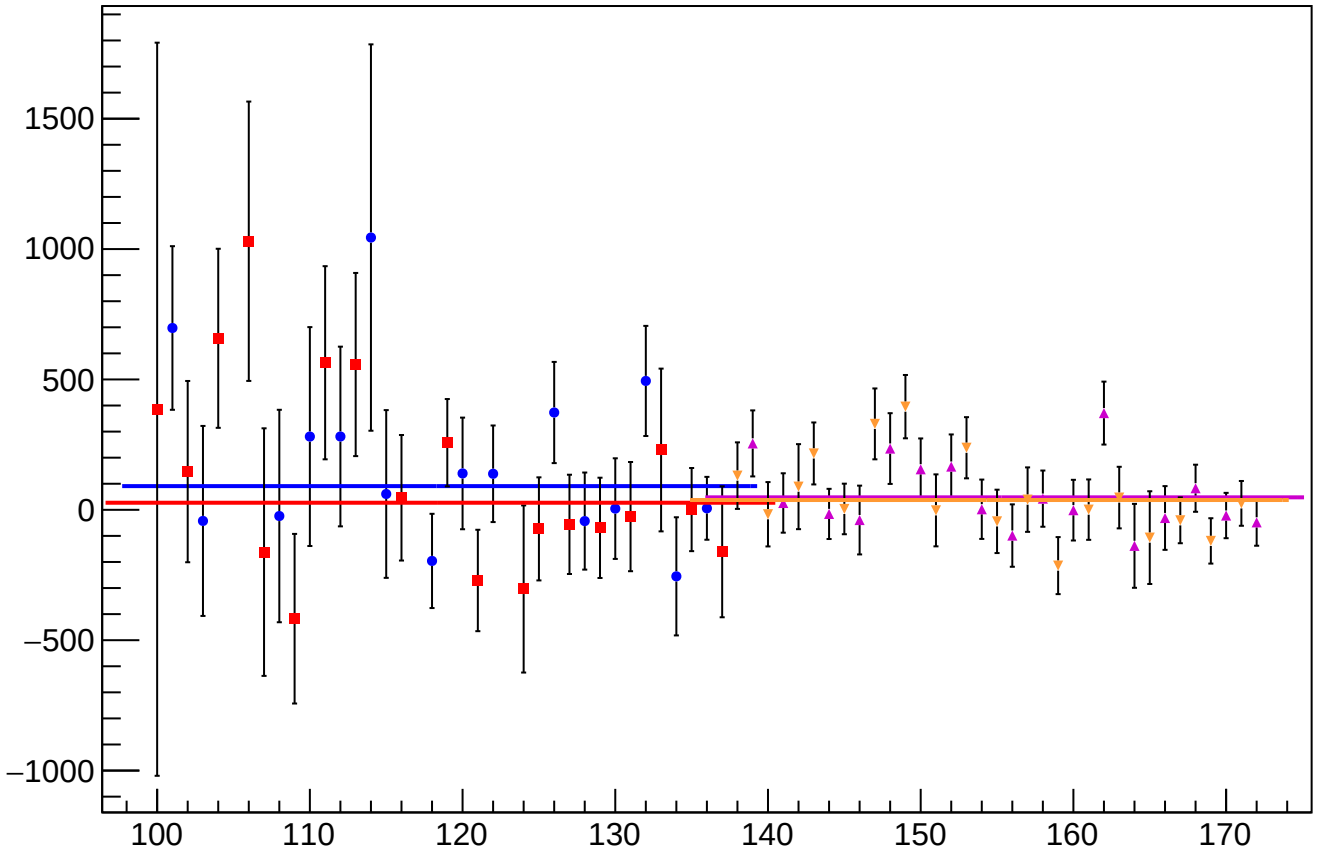
In: 107.707+/-0.017 χ^2/NDF:2746183.4/32

Out: 108.151+/-0.017 χ^2/NDF:3386856.8/36

All: 107.930+/-0.012 χ^2/NDF: 6133372.9/69


asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -1196.663+/-491.384 χ²/NDF: 16.0/15
Left Out: -418.060+/-139.640 χ²/NDF:44.4/17
Right Out: 422.161+/-523.834 χ²/NDF: 14.3/18
Left In: 27.353+/-136.933 χ²/NDF:26.5/16
Left: -190.995+/-97.769 χ²/NDF: 76.0/34
Right: -438.942+/-358.384 χ²/NDF: 35.3/34
In: -60.849+/-131.907 χ²/NDF:48.2/32
Out: -362.315+/-134.928 χ²/NDF:61.1/36
All: -208.169+/-94.322 χ²/NDF: 111.8/69


asym_sam_26_avg_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: 1959362.3/15
Left Out: 503.270+/-0.099 χ²/NDF:2370101.9/17
Right Out: 1332.785+/-0.370 χ²/NDF: 1994811.5/18
Left In: 488.662+/-0.097 χ²/NDF:2132593.1/16
Left: 495.823+/-0.069 χ²/NDF: 4513852.1/34
Right: 1275.169+/-0.253 χ²/NDF: 3999659.2/34
In: 541.684+/-0.093 χ²/NDF:8253331.0/32
Out: 558.305+/-0.095 χ²/NDF:9047405.6/36
All: 549.806+/-0.067 χ²/NDF: 17316253.9/69



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 37.590+/-26.912 χ^2/NDF:30.1/17

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 47.857+/-27.147 χ^2/NDF:19.9/16

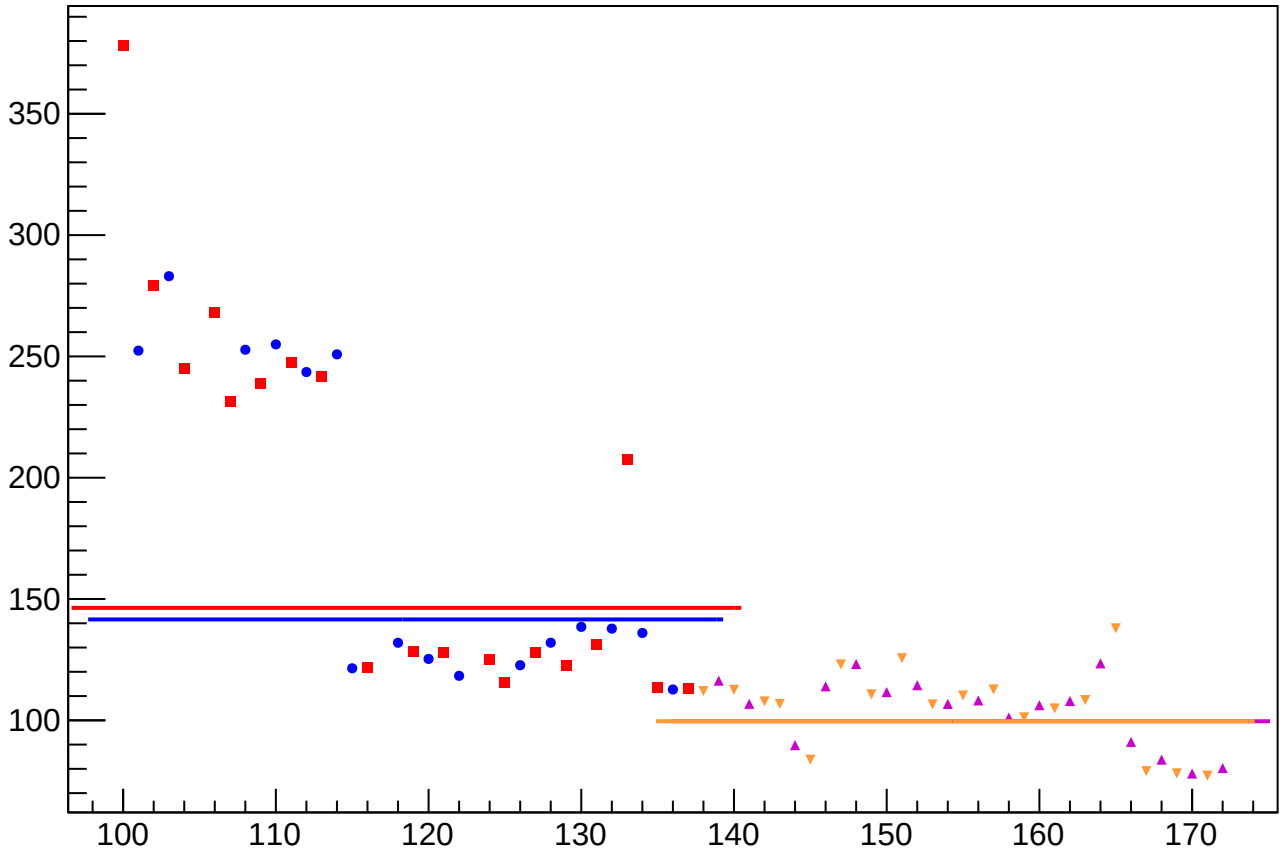
Left: 42.679+/-19.112 χ^2/NDF: 50.1/34

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 56.153+/-24.392 χ^2/NDF:38.5/32

Out: 35.691+/-24.337 χ^2/NDF:50.7/36

All: 45.899+/-17.228 χ^2/NDF: 89.5/69



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 99.637+/-0.019 χ^2/NDF:774394.3/17

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: 99.629+/-0.014 χ^2/NDF: 1337179.7/34

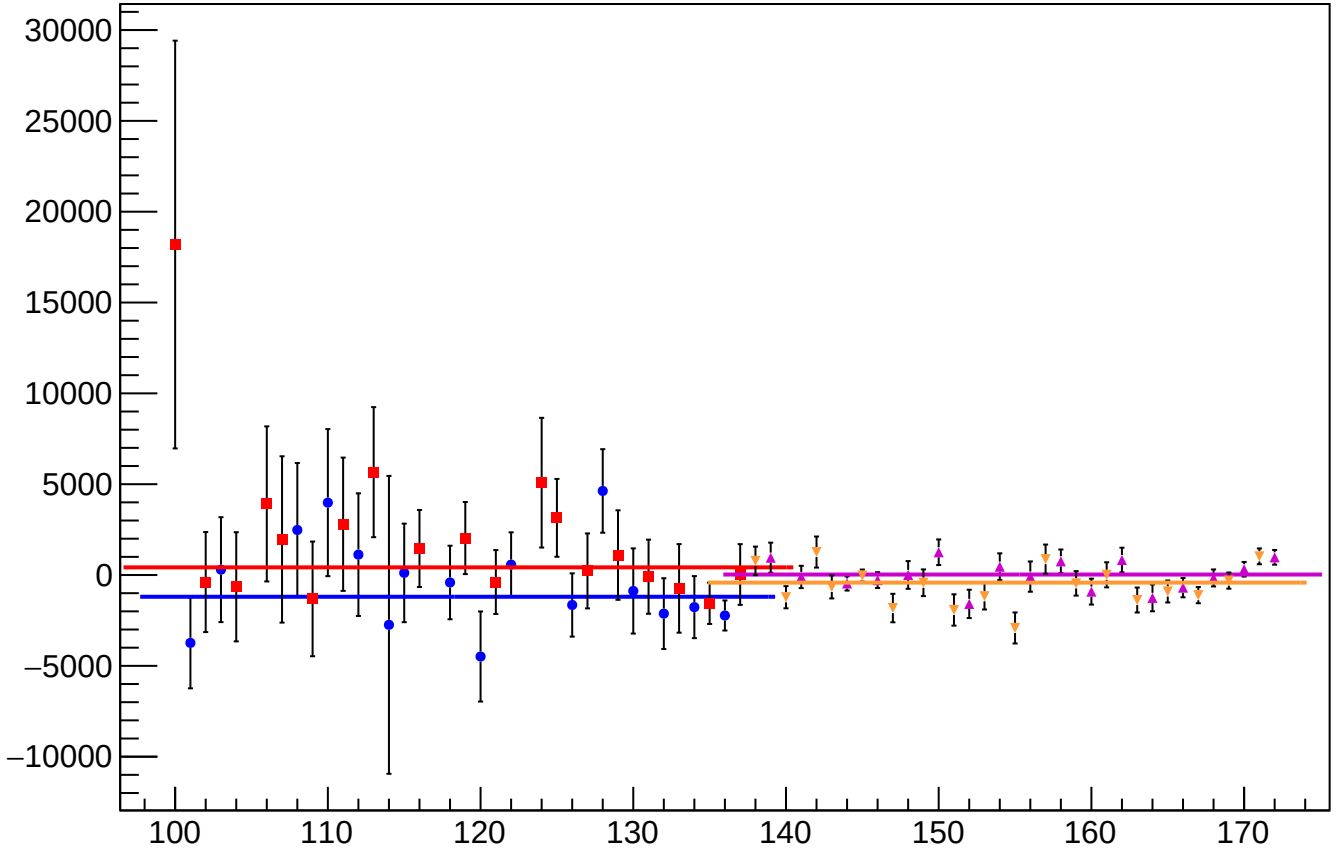
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 107.707+/-0.017 χ^2/NDF:2746118.2/32

Out: 108.152+/-0.017 χ^2/NDF:3386803.9/36

All: 107.930+/-0.012 χ^2/NDF: 6133254.8/69

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: -418.059+/-139.639 χ^2/NDF:44.4/17

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: 27.352+/-136.932 χ^2/NDF:26.5/16

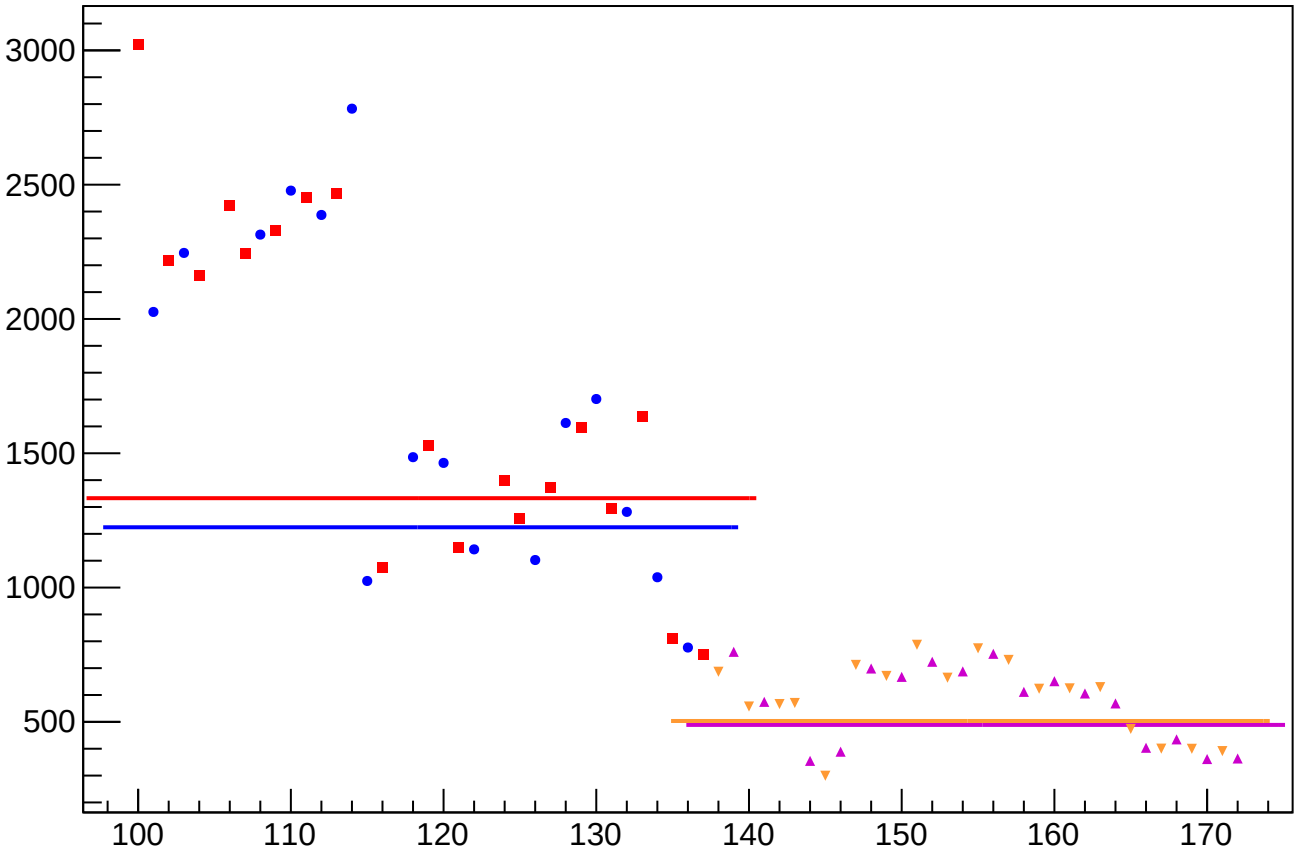
Left: -190.995+/-97.769 χ^2/NDF: 76.0/34

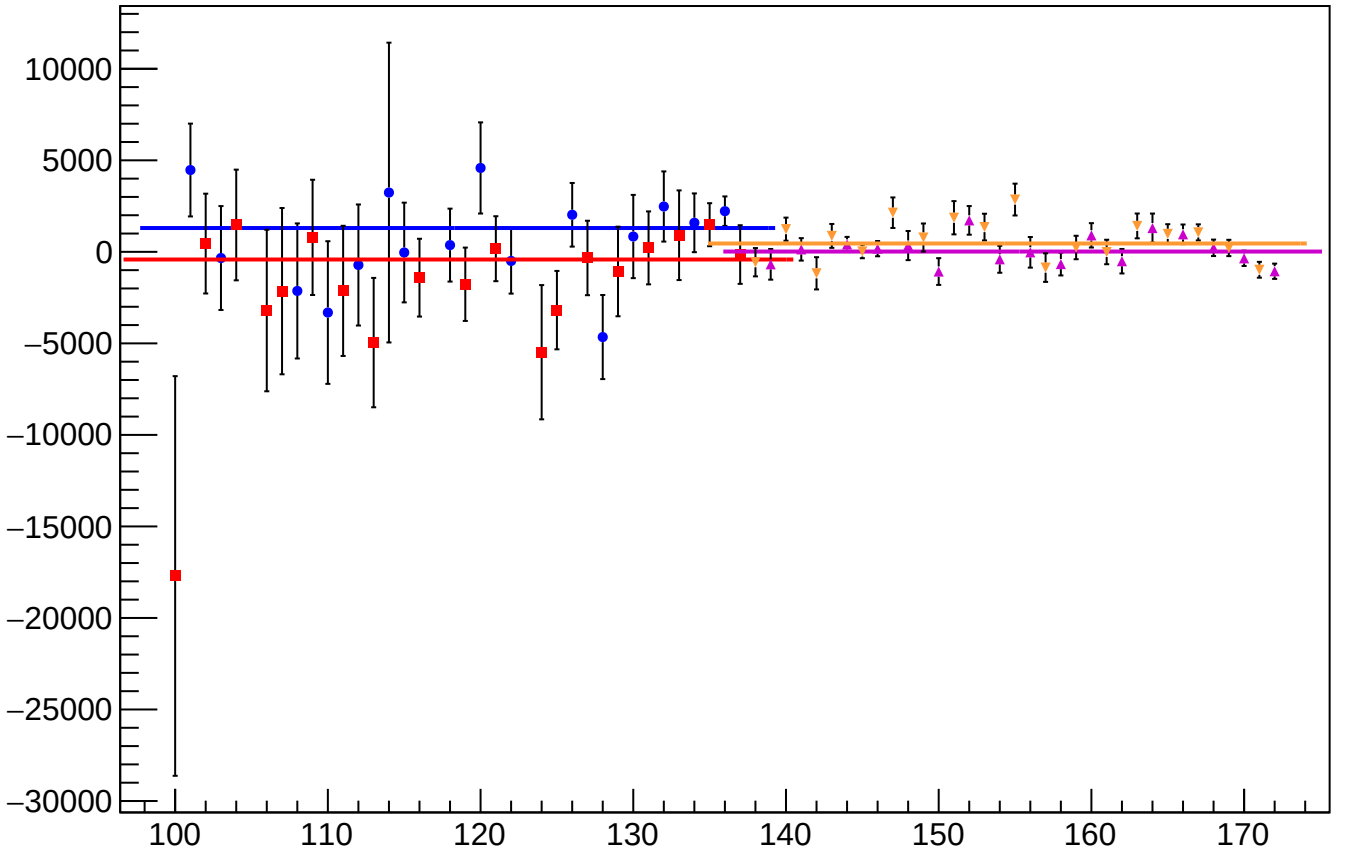
Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -60.850+/-131.906 χ^2/NDF:48.2/32

Out: -362.314+/-134.927 χ^2/NDF:61.1/36

All: -208.169+/-94.322 χ^2/NDF: 111.8/69


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: 503.268+/-0.099 χ²/NDF:2370153.2/17
Right Out: 1332.784+/-0.370 χ²/NDF: 1994794.3/18
Left In: 488.661+/-0.097 χ²/NDF:2132611.6/16
Left: 495.822+/-0.069 χ²/NDF: 4513920.3/34
Right: 1275.168+/-0.253 χ²/NDF: 3999620.7/34
In: 541.683+/-0.093 χ²/NDF:8253341.7/32
Out: 558.303+/-0.095 χ²/NDF:9047464.5/36
All: 549.805+/-0.067 χ²/NDF: 17316321.4/69



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 456.231+/-141.028 χ^2/NDF:43.9/17

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: 230.977+/-98.560 χ^2/NDF: 75.1/34

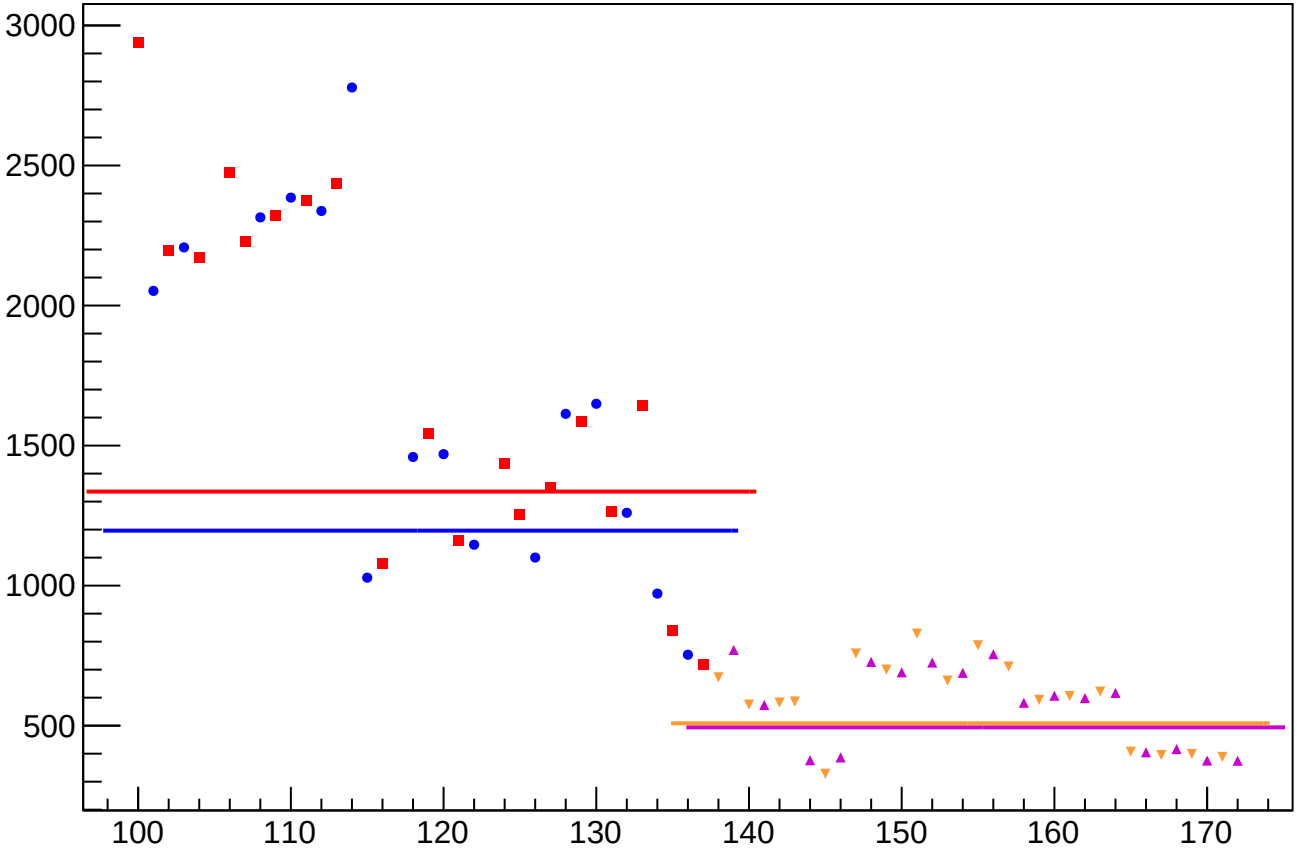
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 113.082+/-132.490 χ^2/NDF:49.2/32

Out: 397.272+/-136.191 χ^2/NDF:59.6/36

All: 251.262+/-94.966 χ^2/NDF: 111.0/69

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 508.414+/-0.100 χ^2/NDF:2218080.2/17

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 493.987+/-0.097 χ^2/NDF:2005771.0/16

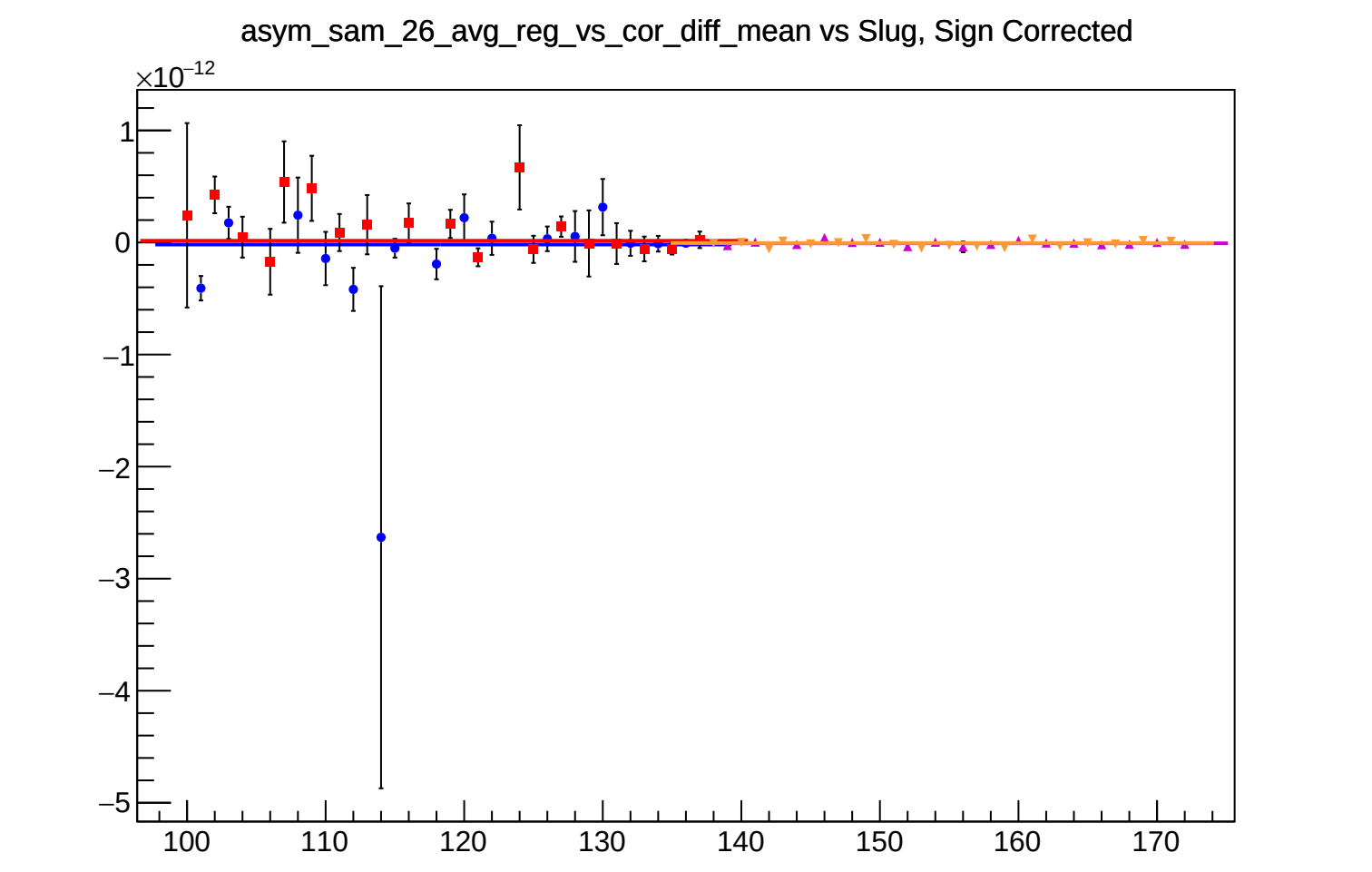
Left: 501.034+/-0.070 χ^2/NDF: 4234558.4/34

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 547.064+/-0.094 χ^2/NDF:7964033.7/32

Out: 564.196+/-0.096 χ^2/NDF:8810706.2/36

All: 555.394+/-0.067 χ^2/NDF: 16790999.9/69



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/16

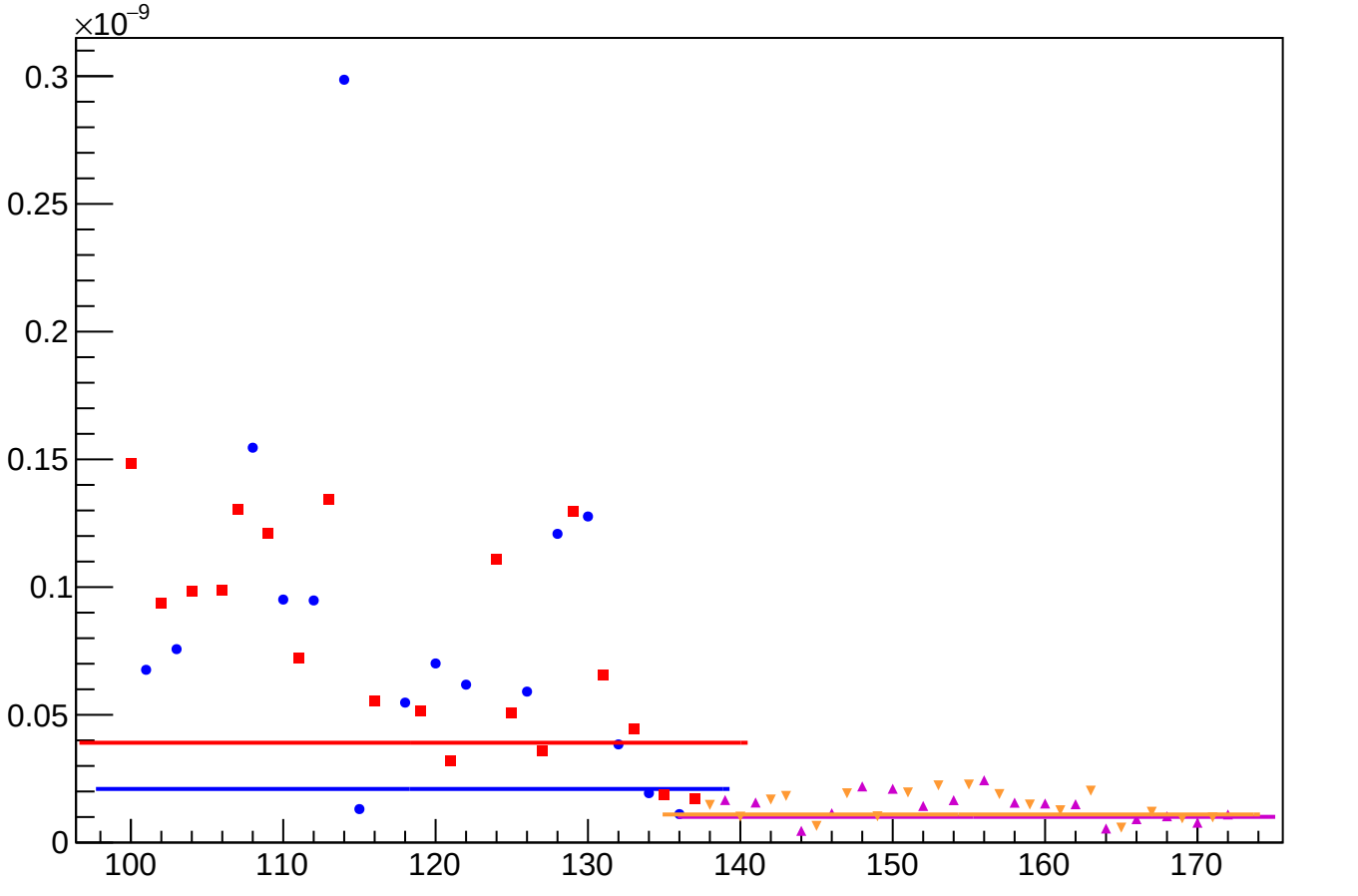
Left: -0.000+/-0.000 χ^2/NDF: 31.2/34

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:43.6/36

All: -0.000+/-0.000 χ^2/NDF: 84.7/69



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1836605.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2072588.4/16

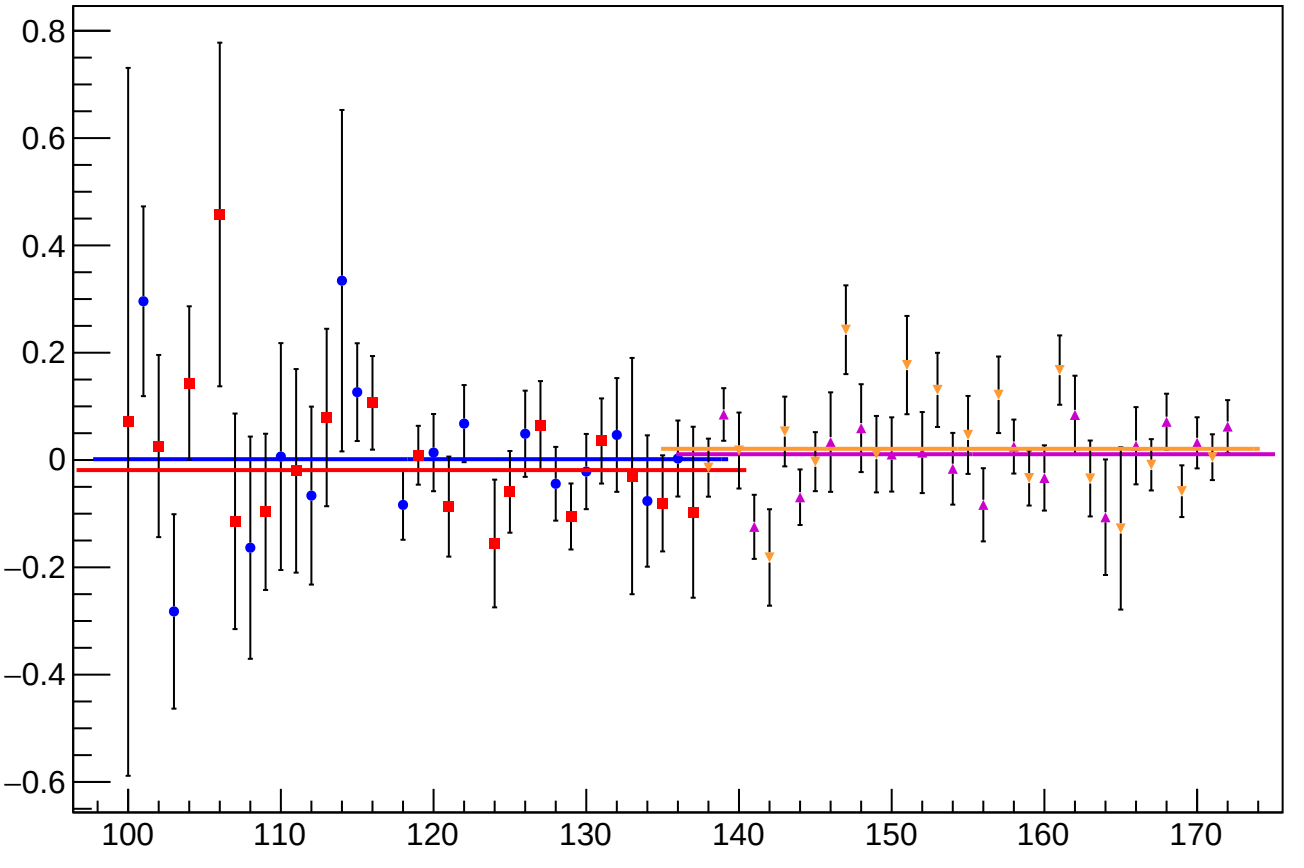
Left: 0.000+/-0.000 χ^2/NDF: 3943843.3/34

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:5919469.9/36

All: 0.000+/-0.000 χ^2/NDF: 12116717.4/69



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.021+/-0.015 χ^2/NDF:31.8/17

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.011+/-0.015 χ^2/NDF:17.8/16

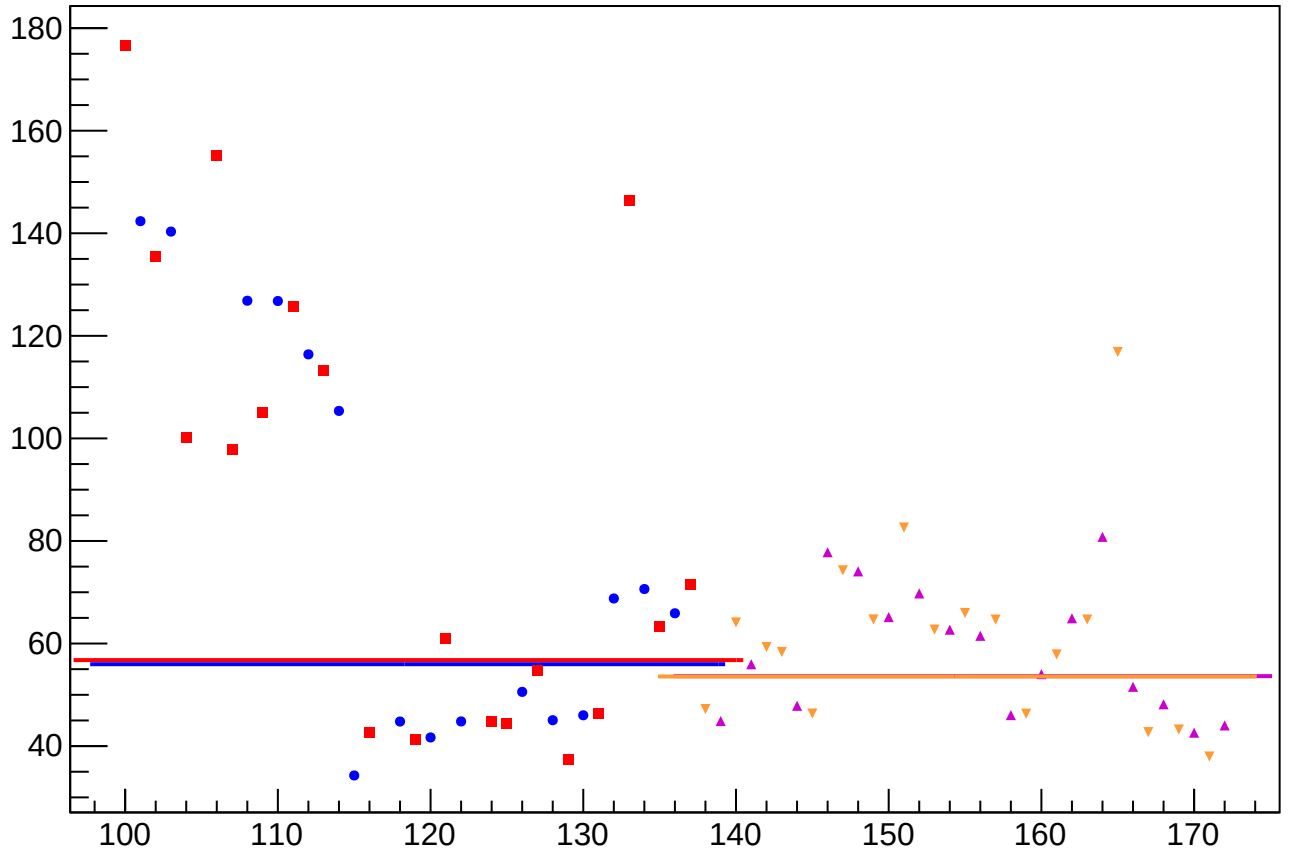
Left: 0.016+/-0.010 χ^2/NDF: 49.8/34

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.008+/-0.013 χ^2/NDF:31.0/32

Out: 0.010+/-0.013 χ^2/NDF:46.9/36

All: 0.009+/-0.009 χ^2/NDF: 77.9/69



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.574+/-0.010 χ^2/NDF:1552668.4/17

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.641+/-0.011 χ^2/NDF:989428.5/16

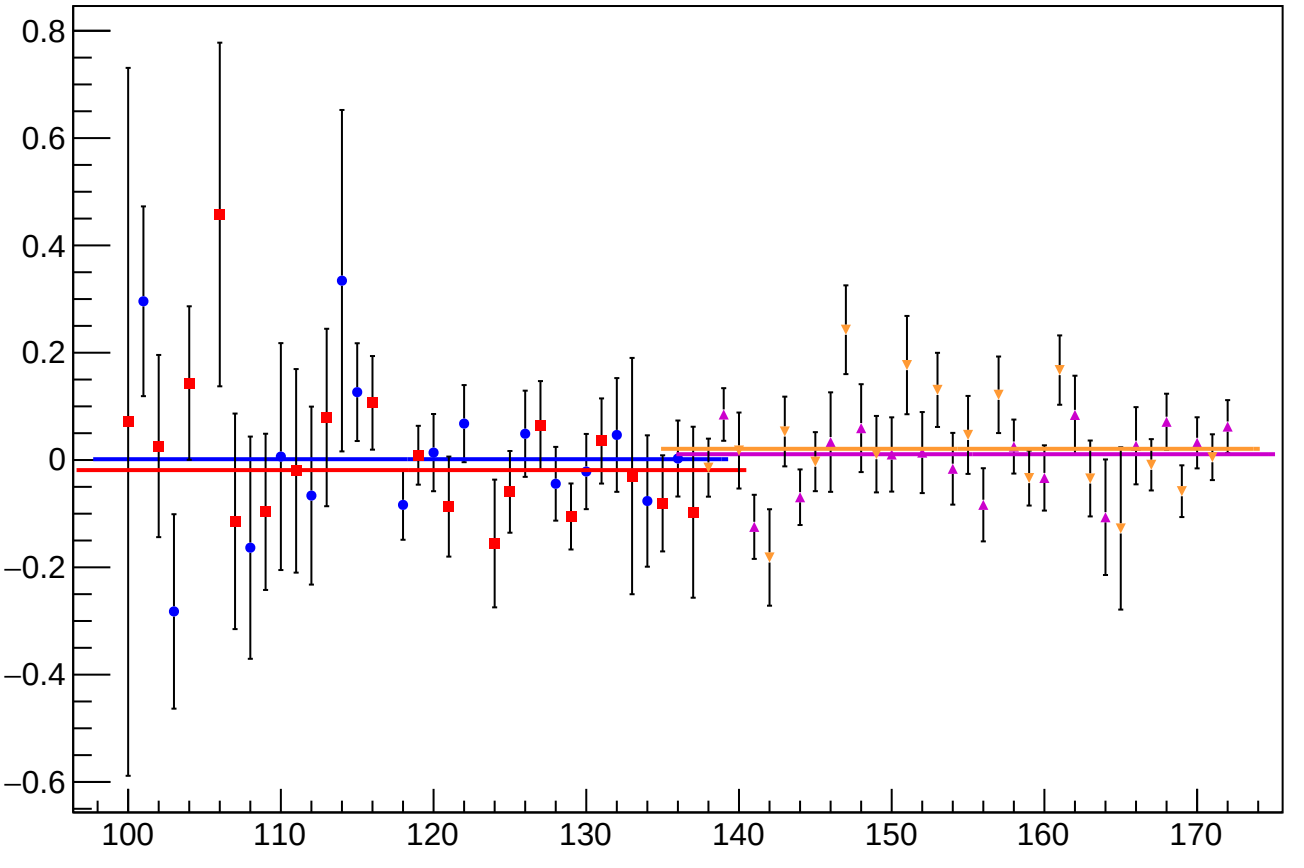
Left: 53.607+/-0.007 χ^2/NDF: 2542117.8/34

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.312+/-0.009 χ^2/NDF:3183317.4/32

Out: 54.480+/-0.009 χ^2/NDF:4132374.1/36

All: 54.396+/-0.006 χ^2/NDF: 7315871.3/69



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.021+/-0.015 χ^2/NDF:31.8/17

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.011+/-0.015 χ^2/NDF:17.8/16

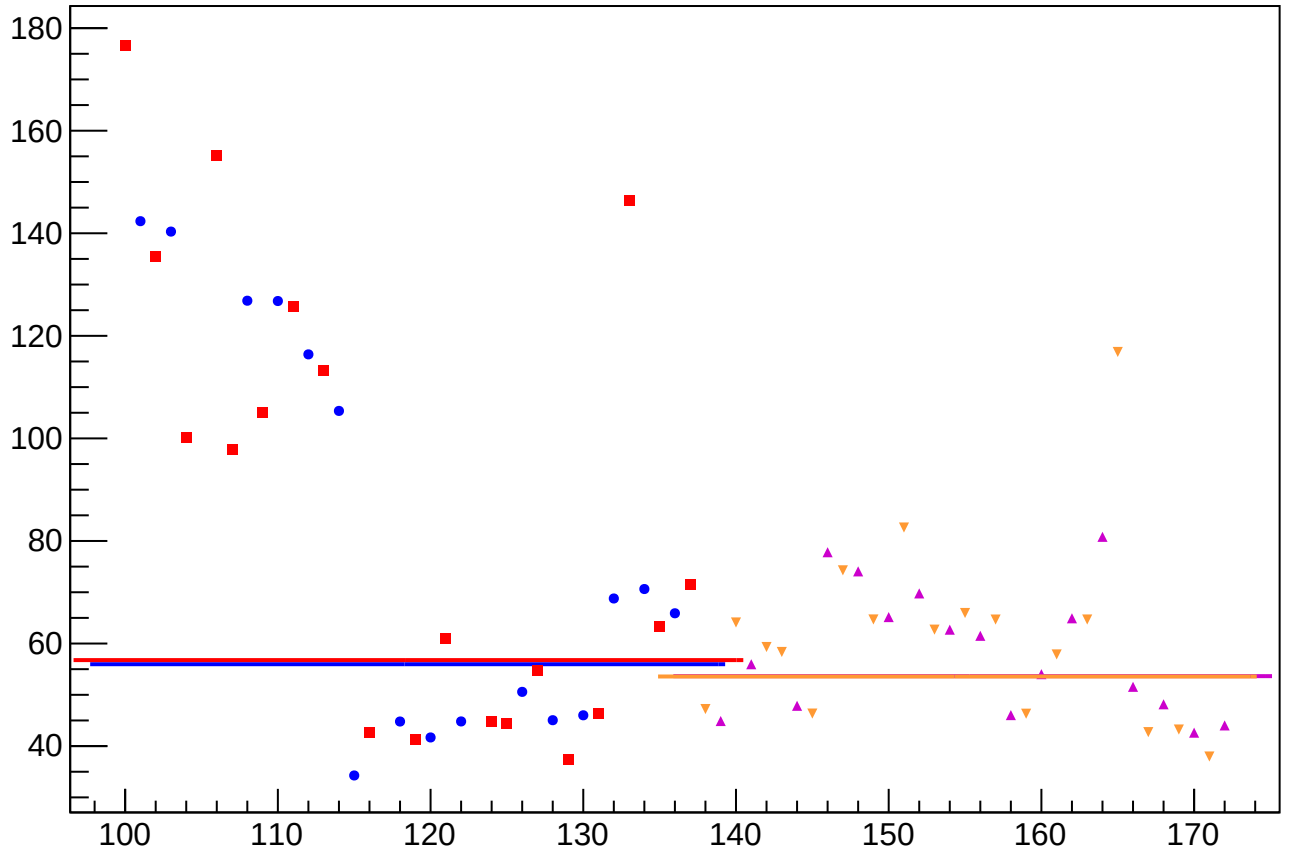
Left: 0.016+/-0.010 χ^2/NDF: 49.8/34

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.008+/-0.013 χ^2/NDF:31.0/32

Out: 0.010+/-0.013 χ^2/NDF:46.9/36

All: 0.009+/-0.009 χ^2/NDF: 77.9/69



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.574+/-0.010 χ^2/NDF:1552668.4/17

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.641+/-0.011 χ^2/NDF:989428.5/16

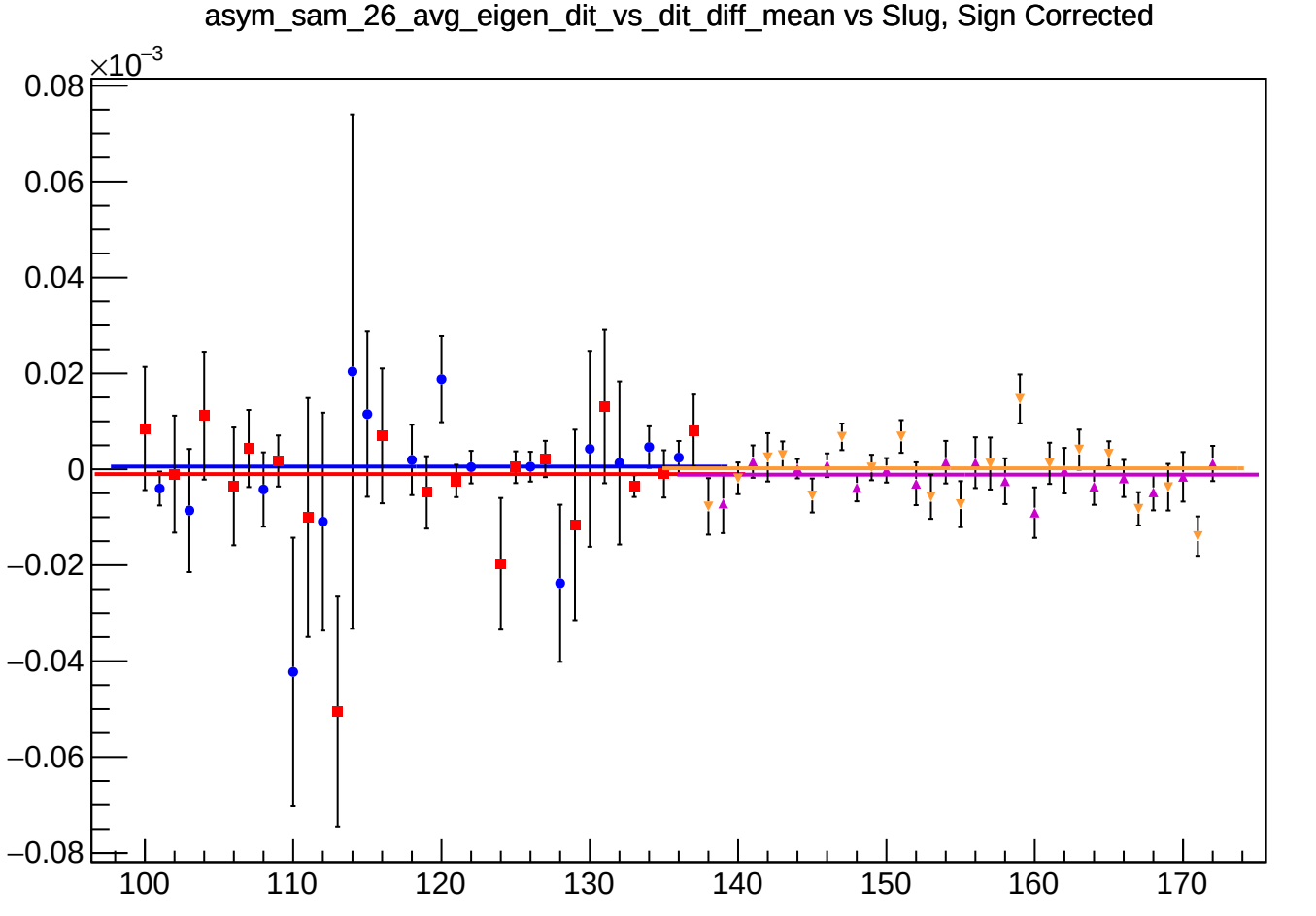
Left: 53.607+/-0.007 χ^2/NDF: 2542117.8/34

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.312+/-0.009 χ^2/NDF:3183317.4/32

Out: 54.480+/-0.009 χ^2/NDF:4132374.1/36

All: 54.396+/-0.006 χ^2/NDF: 7315871.3/69



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.3/17

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.6/16

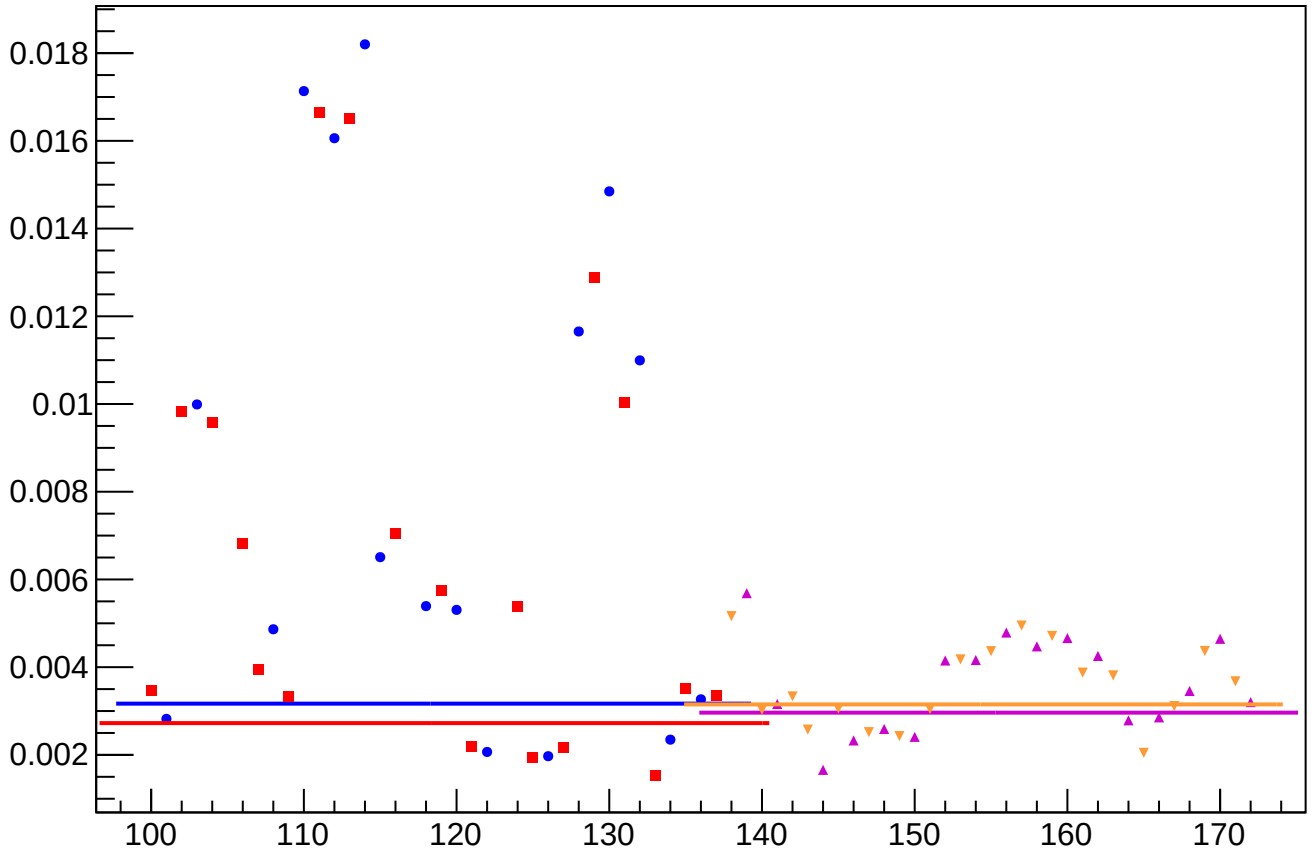
Left: -0.000+/-0.000 χ^2/NDF: 58.1/34

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:62.7/36

All: -0.000+/-0.000 χ^2/NDF: 85.9/69



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:1832351.6/17

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2836956.9/16

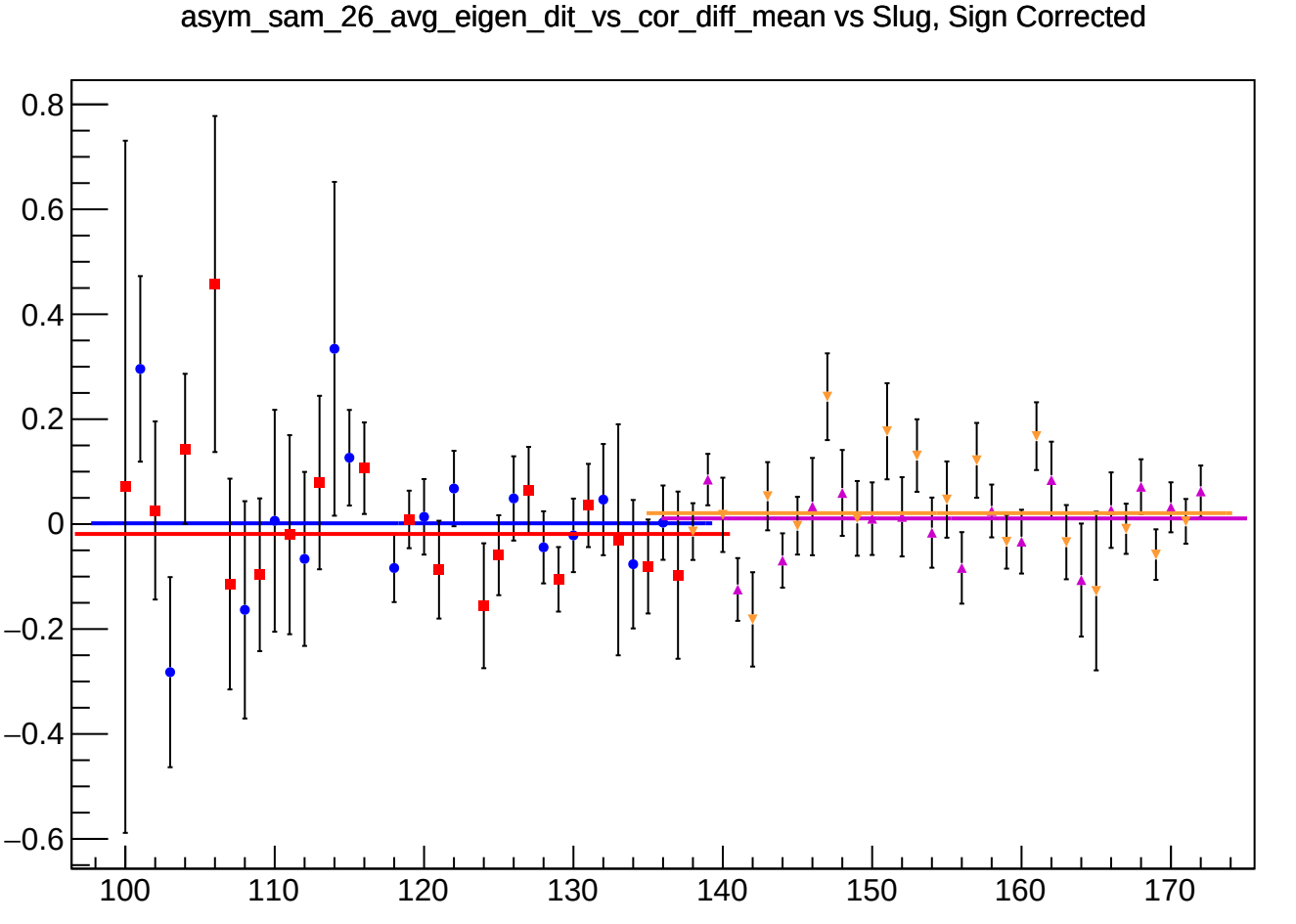
Left: 0.003+/-0.000 χ^2/NDF: 4717031.6/34

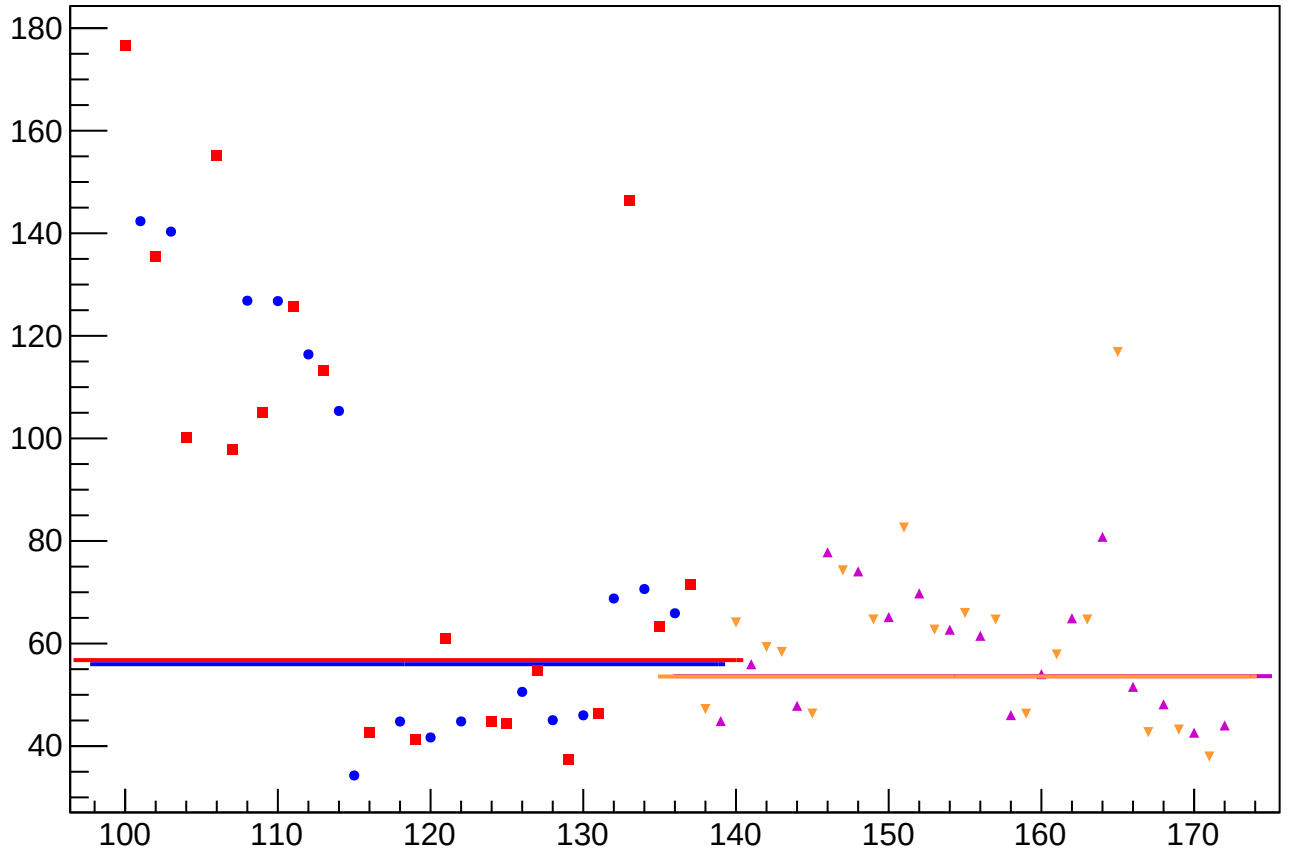
Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:7412501.3/32

Out: 0.003+/-0.000 χ^2/NDF:7138337.2/36

All: 0.003+/-0.000 χ^2/NDF: 14550838.5/69


asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.023 χ²/NDF: 13.1/15
Left Out: 0.021+/-0.015 χ²/NDF:31.8/17
Right Out: -0.019+/-0.024 χ²/NDF: 13.1/18
Left In: 0.011+/-0.015 χ²/NDF:17.8/16
Left: 0.016+/-0.010 χ²/NDF: 49.8/34
Right: -0.009+/-0.017 χ²/NDF: 26.6/34
In: 0.008+/-0.013 χ²/NDF:31.0/32
Out: 0.010+/-0.013 χ²/NDF:46.9/36
All: 0.009+/-0.009 χ²/NDF: 77.9/69



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 53.574+/-0.010 χ^2/NDF:1552639.0/17

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: 53.608+/-0.007 χ^2/NDF: 2542067.7/34

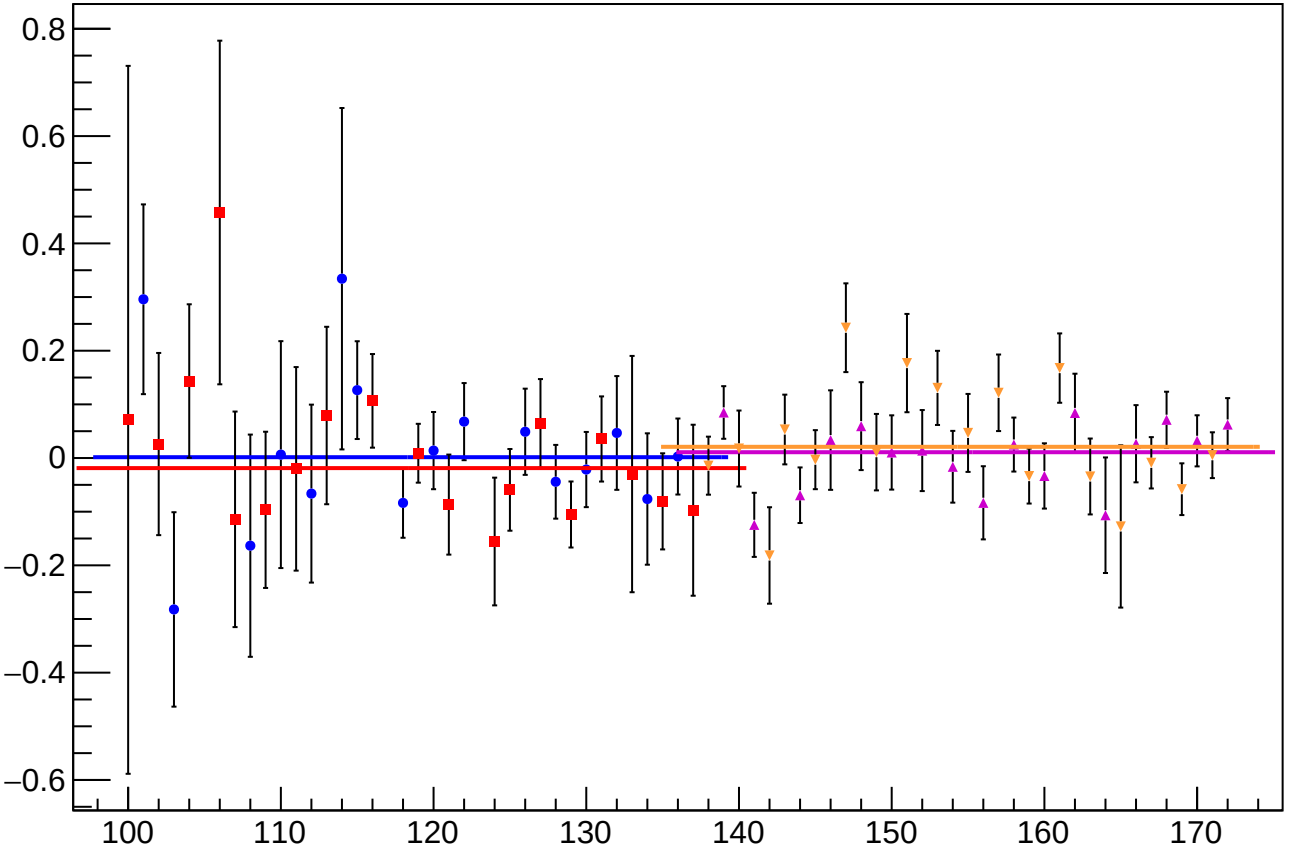
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.312+/-0.009 χ^2/NDF:3183213.4/32

Out: 54.480+/-0.009 χ^2/NDF:4132271.7/36

All: 54.396+/-0.006 χ^2/NDF: 7315664.6/69

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: 0.021+/-0.015 χ^2/NDF:31.8/17

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: 0.016+/-0.010 χ^2/NDF: 49.8/34

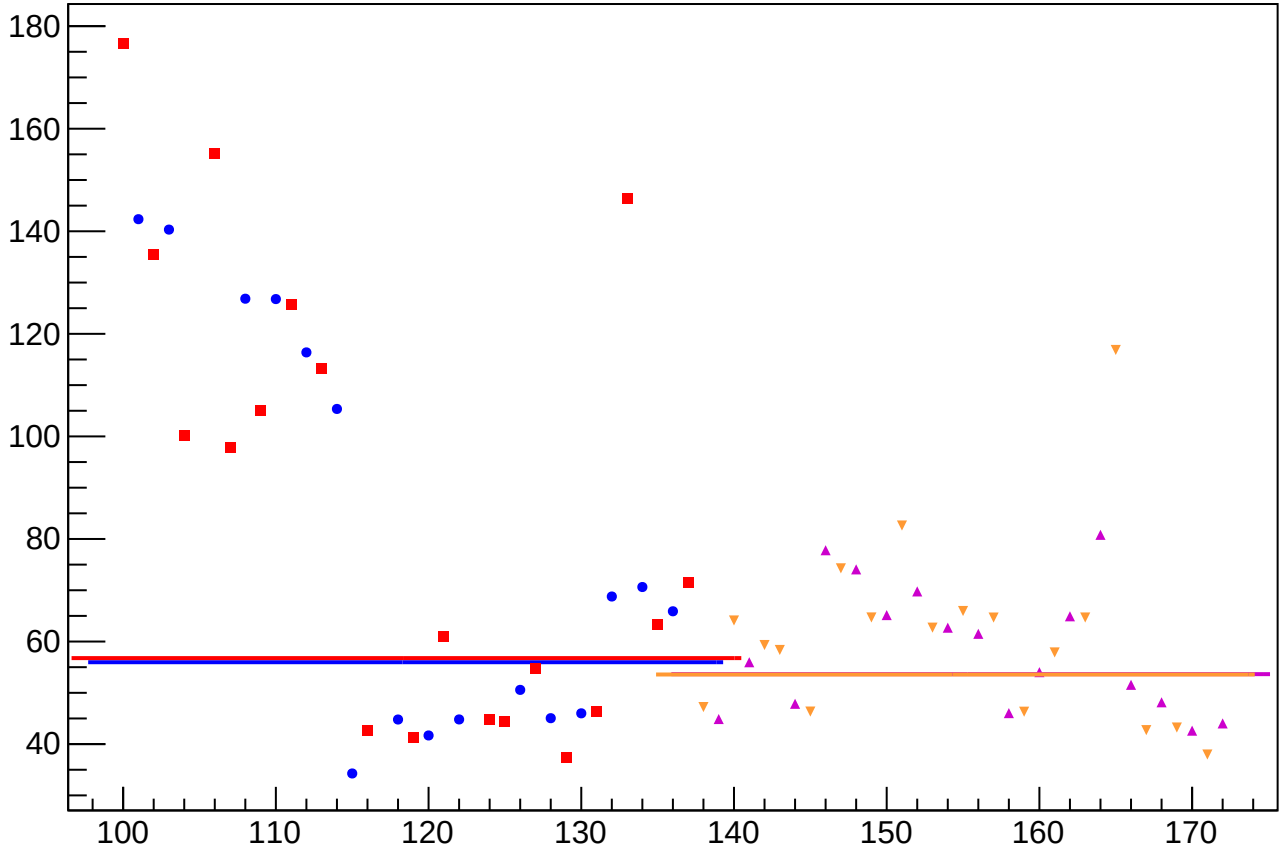
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.008+/-0.013 χ^2/NDF:31.0/32

Out: 0.010+/-0.013 χ^2/NDF:46.9/36

All: 0.009+/-0.009 χ^2/NDF: 77.9/69

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: 53.574+/-0.010 χ^2/NDF:1552639.0/17

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 53.642+/-0.011 χ^2/NDF:989407.7/16

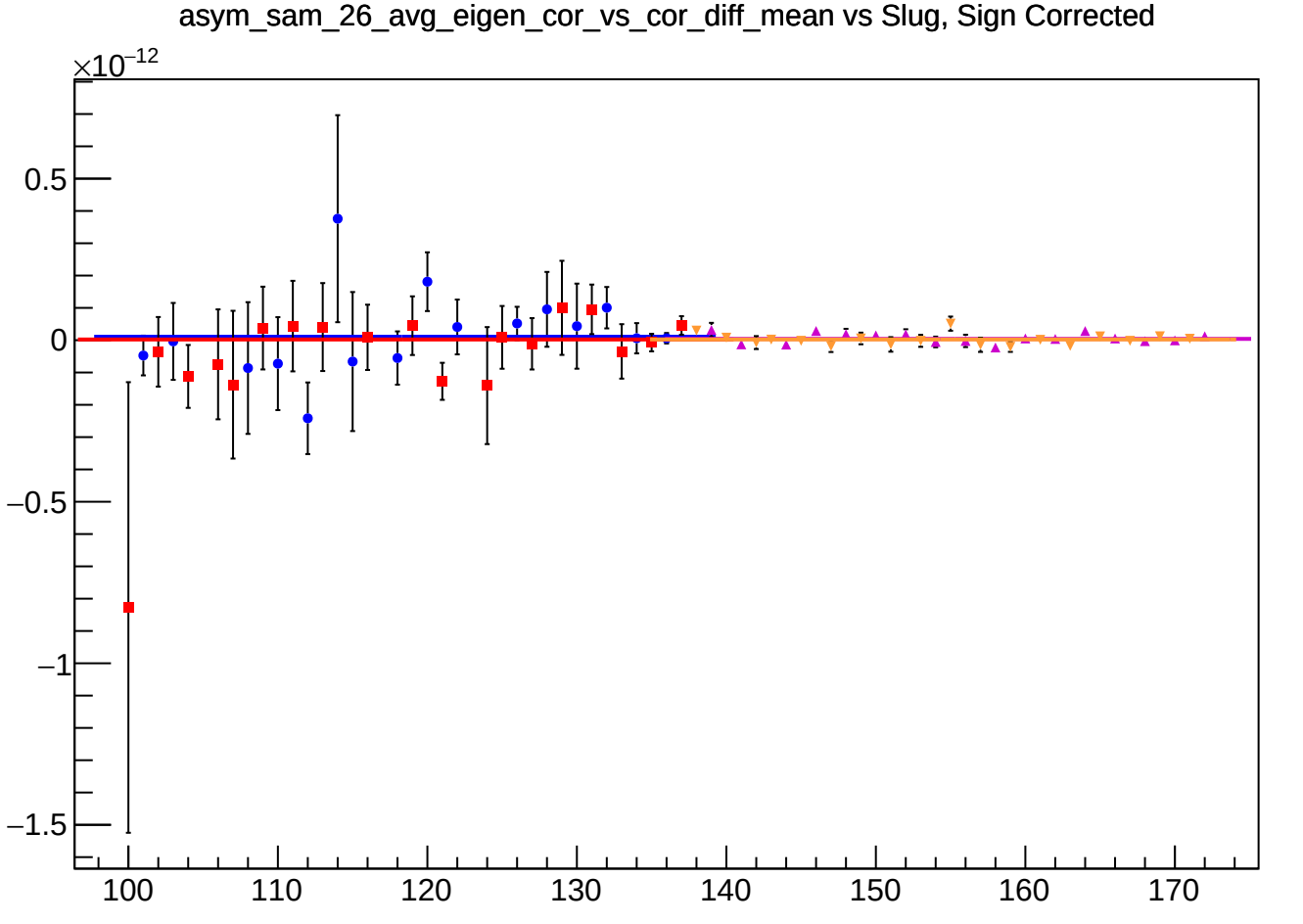
Left: 53.608+/-0.007 χ^2/NDF: 2542067.7/34

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.312+/-0.009 χ^2/NDF:3183213.4/32

Out: 54.480+/-0.009 χ^2/NDF:4132271.7/36

All: 54.396+/-0.006 χ^2/NDF: 7315664.6/69



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:29.4/16

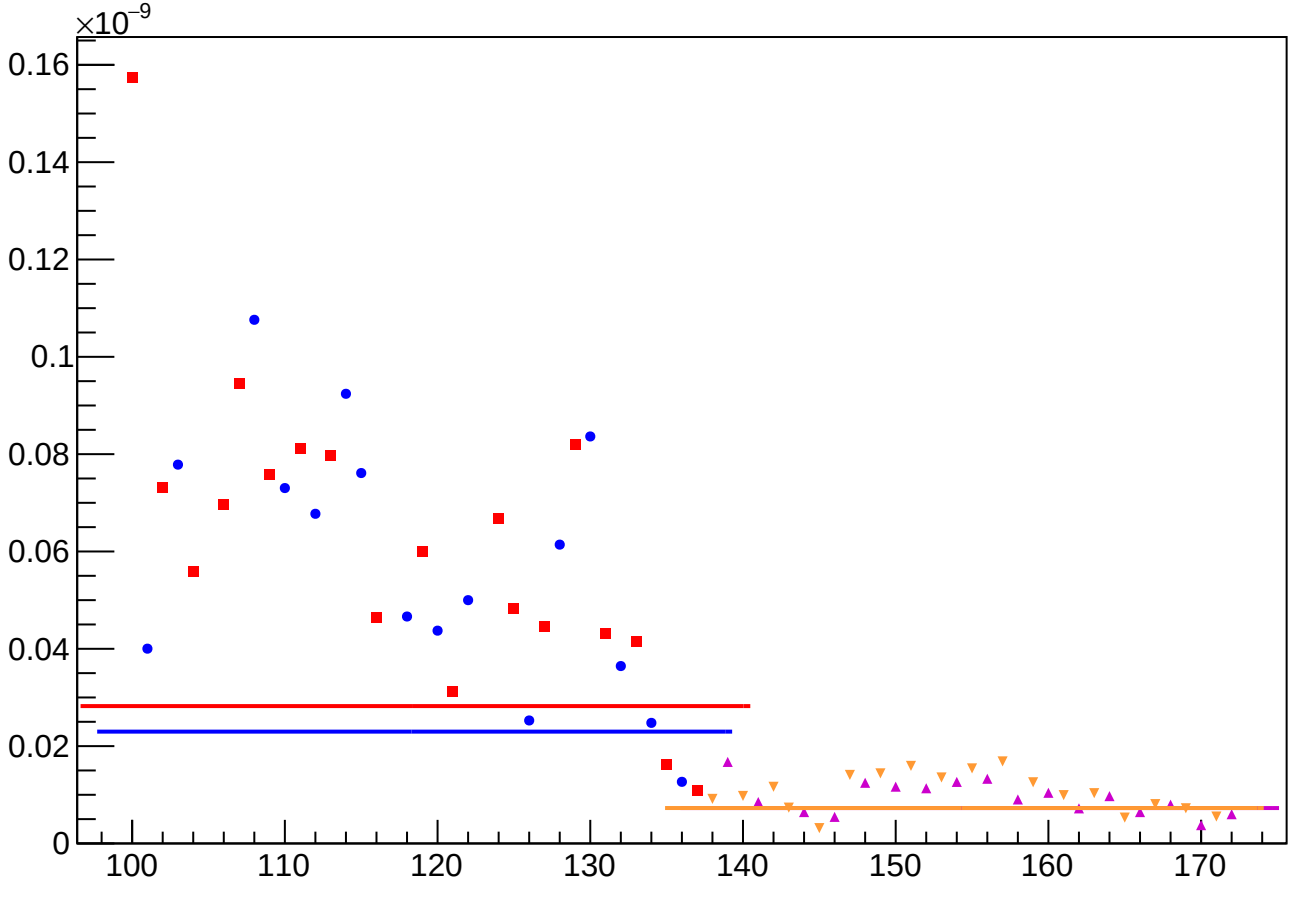
Left: 0.000+/-0.000 χ^2/NDF: 49.2/34

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:33.8/36

All: 0.000+/-0.000 χ^2/NDF: 79.4/69



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3933377.6/17

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: 6340316.3/34

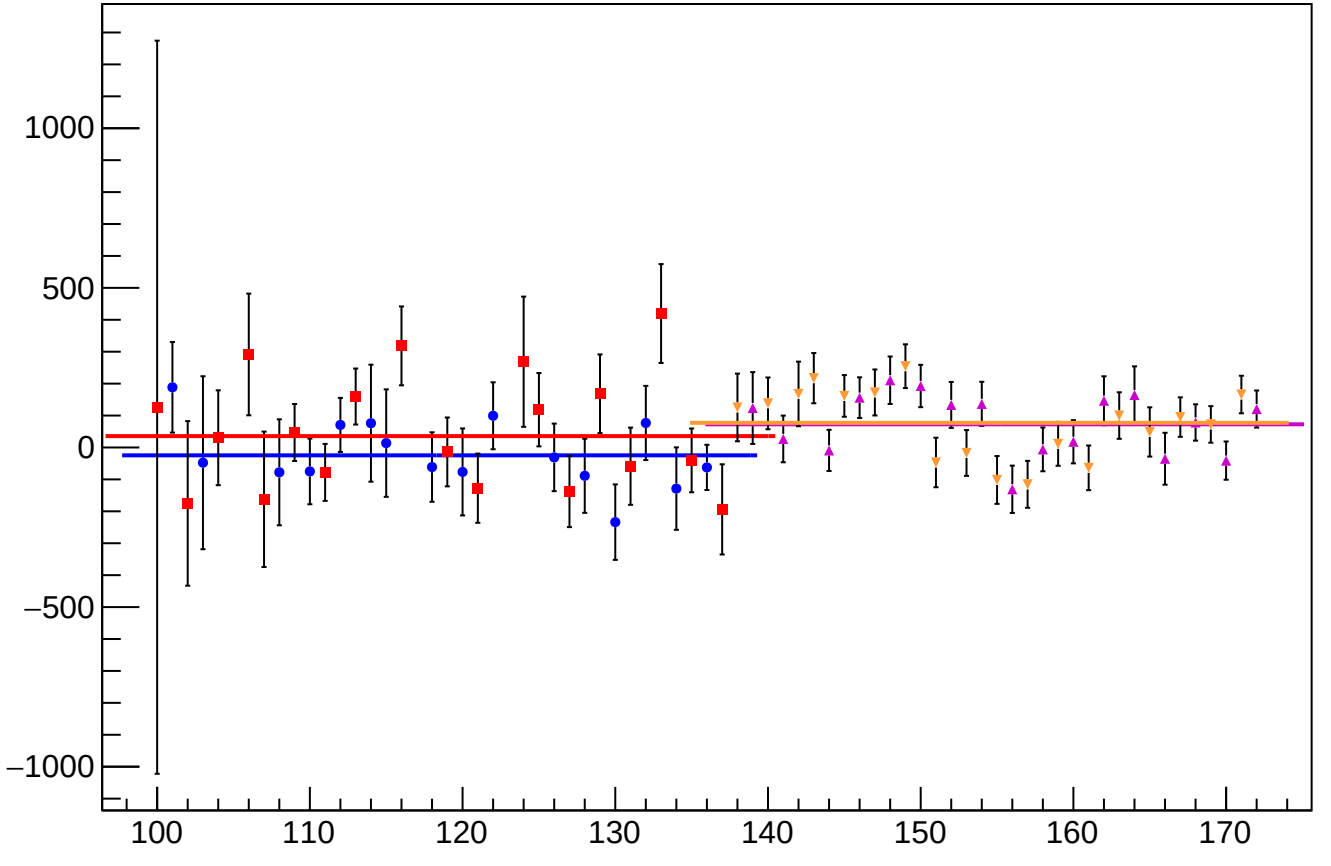
Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:8962278.5/32

Out: 0.000+/-0.000 χ^2/NDF:11303160.7/36

All: 0.000+/-0.000 χ^2/NDF: 20265455.7/69

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 77.187+/-16.922 χ^2/NDF:39.3/17

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: 74.869+/-11.956 χ^2/NDF: 69.1/34

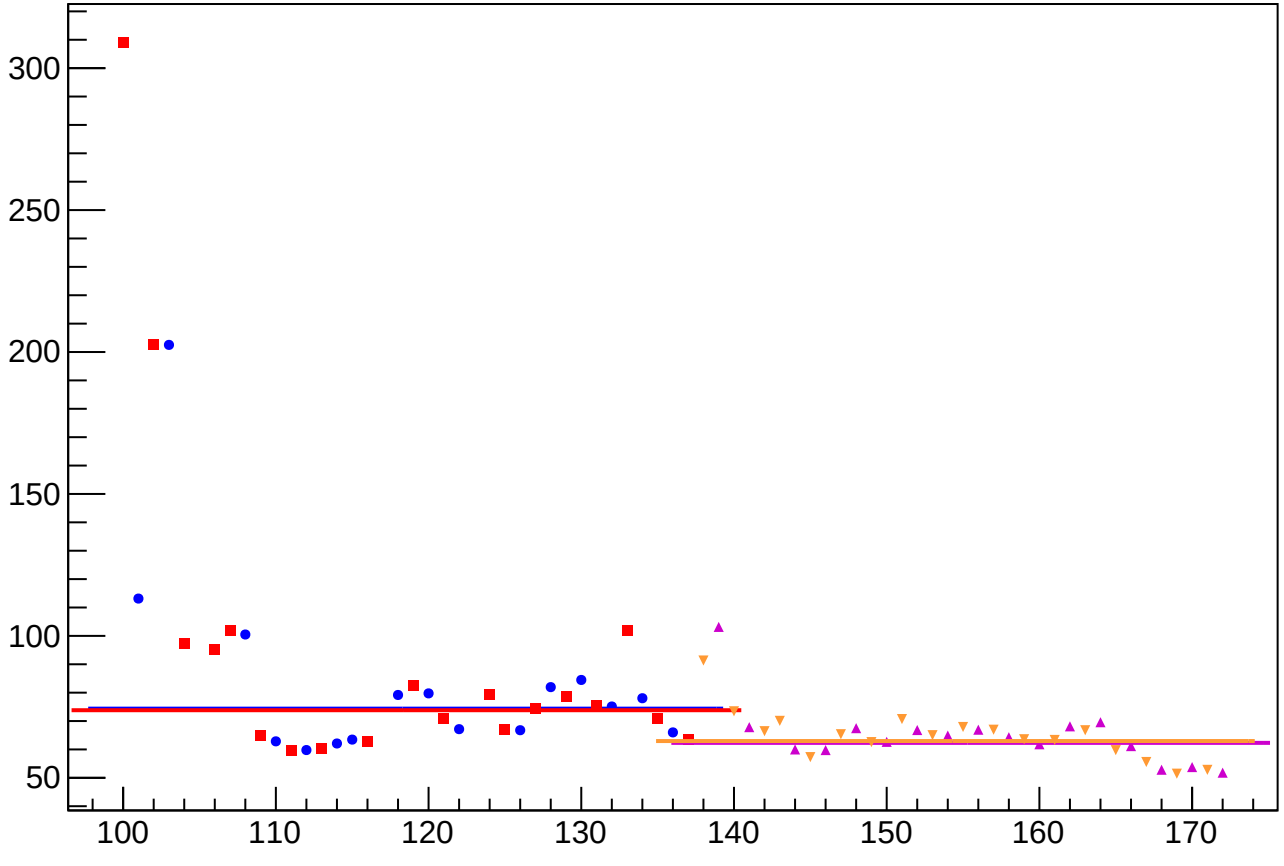
Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 47.824+/-14.586 χ^2/NDF:49.2/32

Out: 66.316+/-14.545 χ^2/NDF:71.0/36

All: 57.096+/-10.299 χ^2/NDF: 121.0/69

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 62.954+/-0.012 χ^2/NDF:426781.7/17

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: 62.633+/-0.008 χ^2/NDF: 925274.6/34

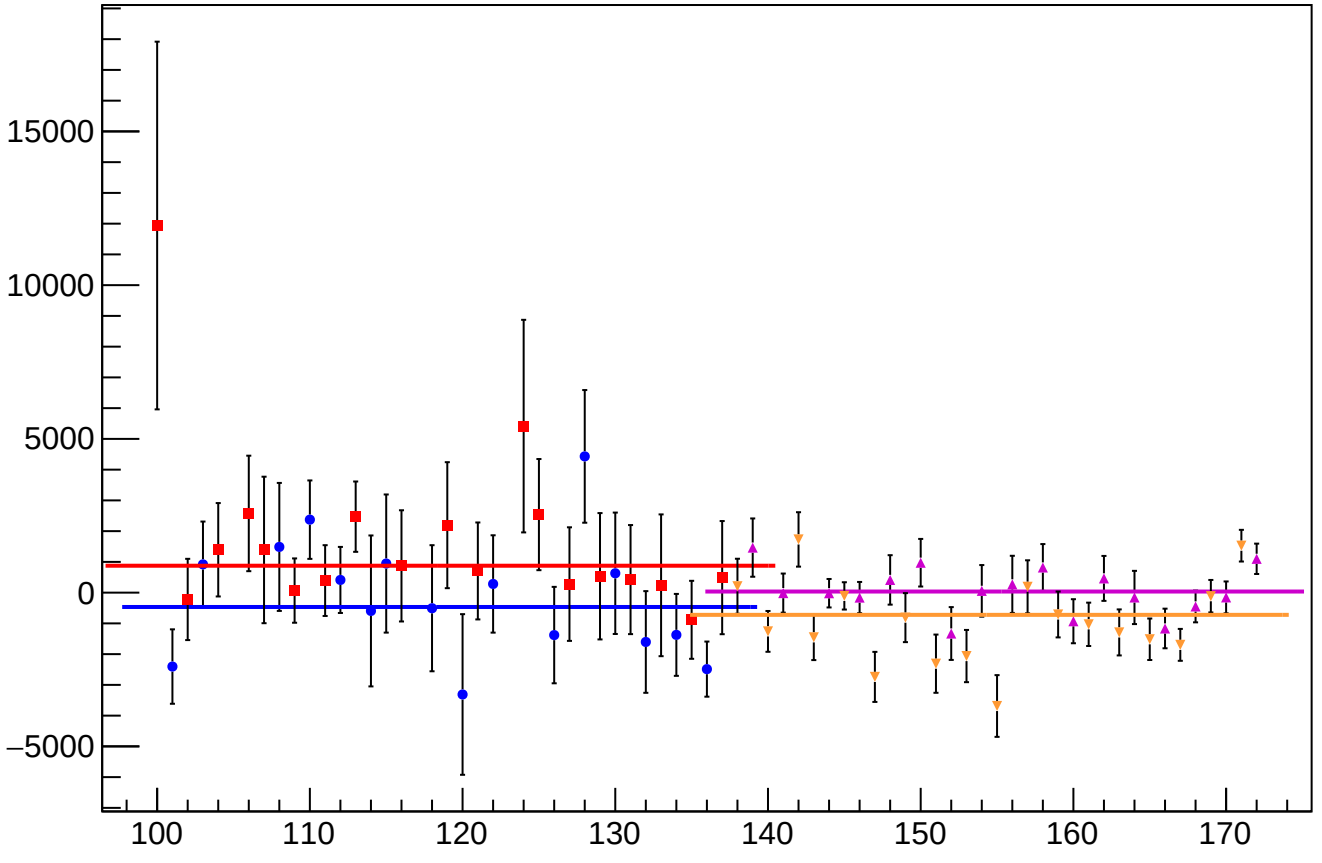
Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 65.382+/-0.010 χ^2/NDF:1583862.5/32

Out: 65.791+/-0.010 χ^2/NDF:1573998.6/36

All: 65.587+/-0.007 χ^2/NDF: 3158652.5/69

asym_sam_37_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -722.495+/-161.205 χ^2/NDF:59.7/17

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 36.000+/-157.840 χ^2/NDF:19.1/16

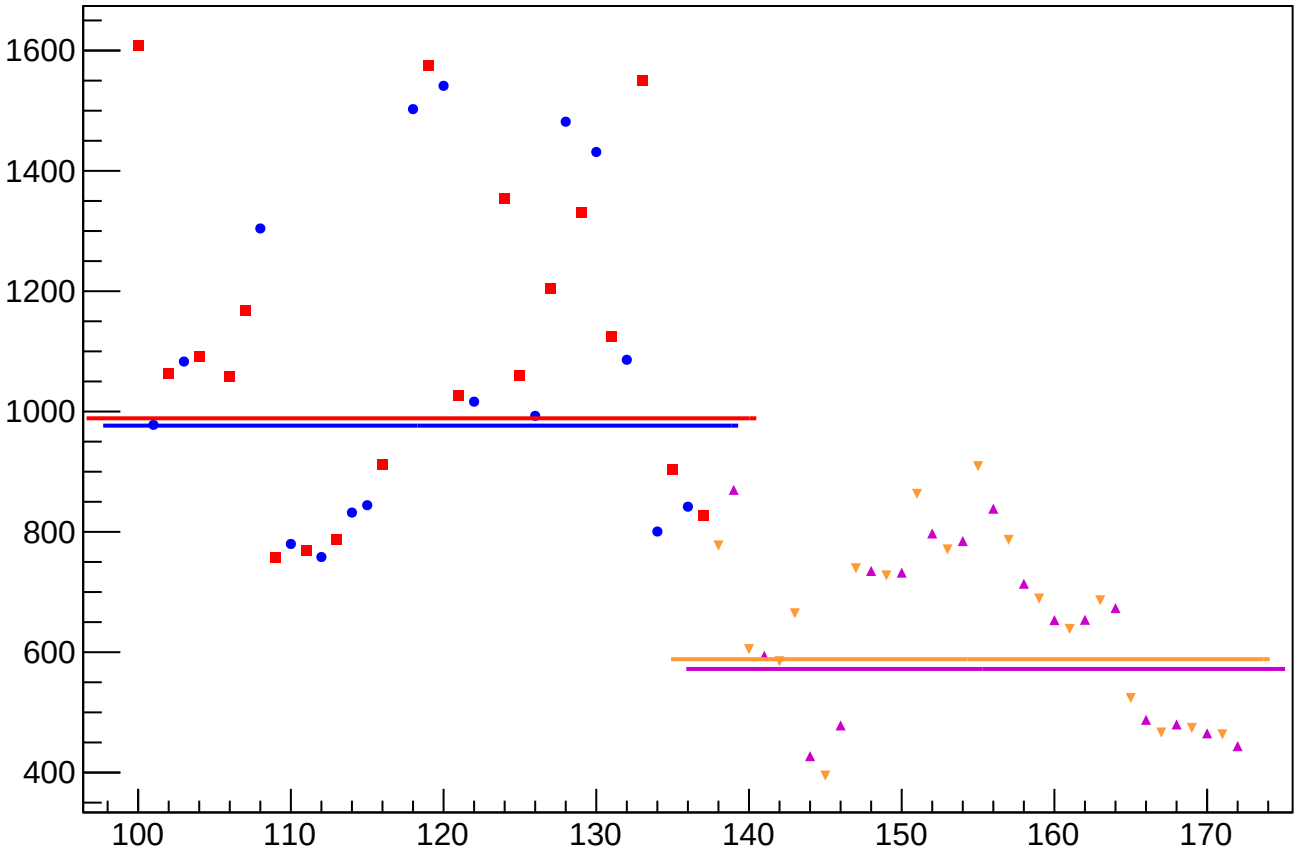
Left: -335.249+/-112.781 χ^2/NDF: 90.1/34

Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -39.620+/-145.480 χ^2/NDF:44.3/32

Out: -470.149+/-147.929 χ^2/NDF:88.3/36

All: -251.292+/-103.725 χ^2/NDF: 136.9/69



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 588.376+/-0.114 χ^2/NDF:1613157.1/17

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 572.147+/-0.112 χ^2/NDF:1527388.0/16

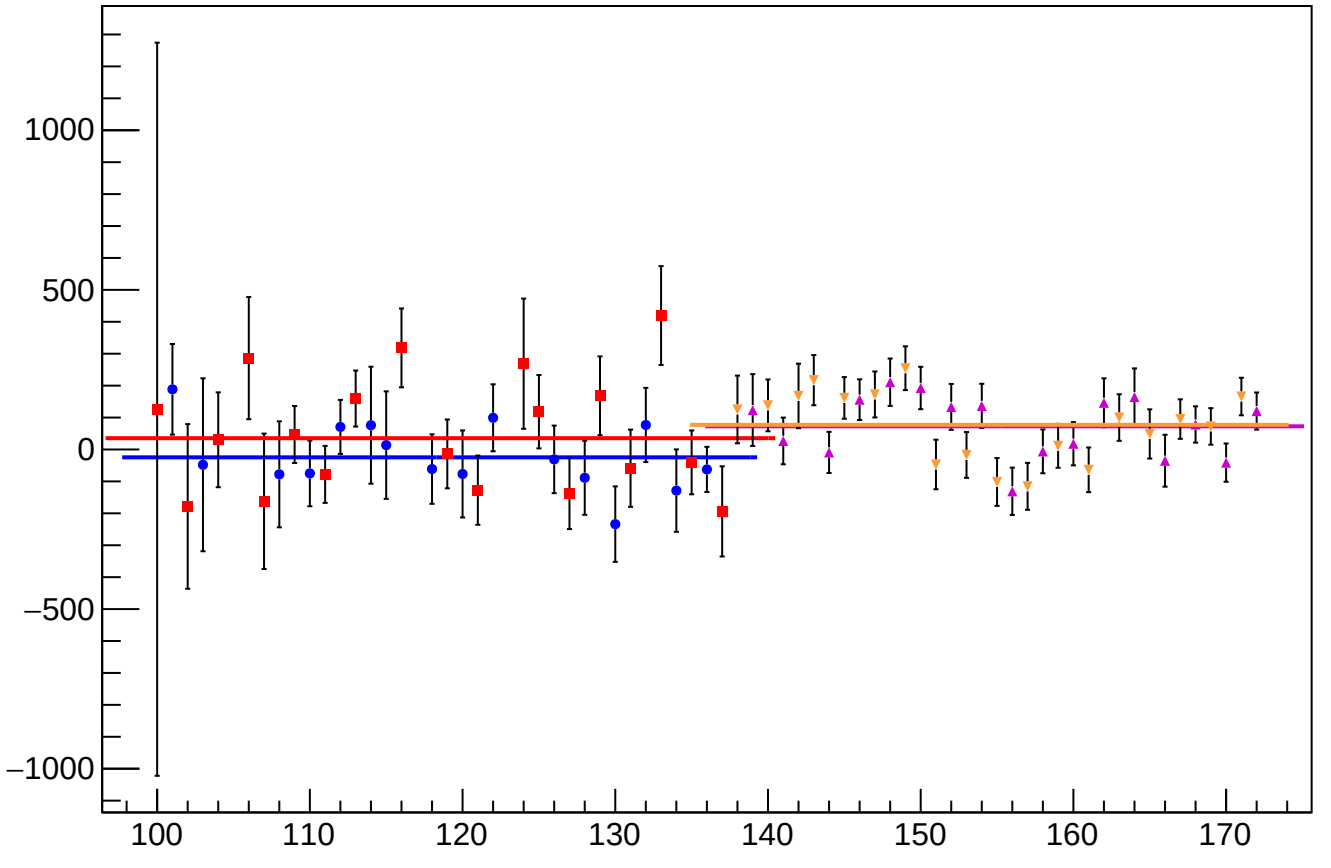
Left: 580.090+/-0.080 χ^2/NDF: 3150893.9/34

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 633.006+/-0.103 χ^2/NDF:4239920.8/32

Out: 651.609+/-0.105 χ^2/NDF:4277342.4/36

All: 642.152+/-0.073 χ^2/NDF: 8533341.2/69



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 77.189+/-16.922 χ^2/NDF:39.3/17

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: 74.870+/-11.956 χ^2/NDF: 69.1/34

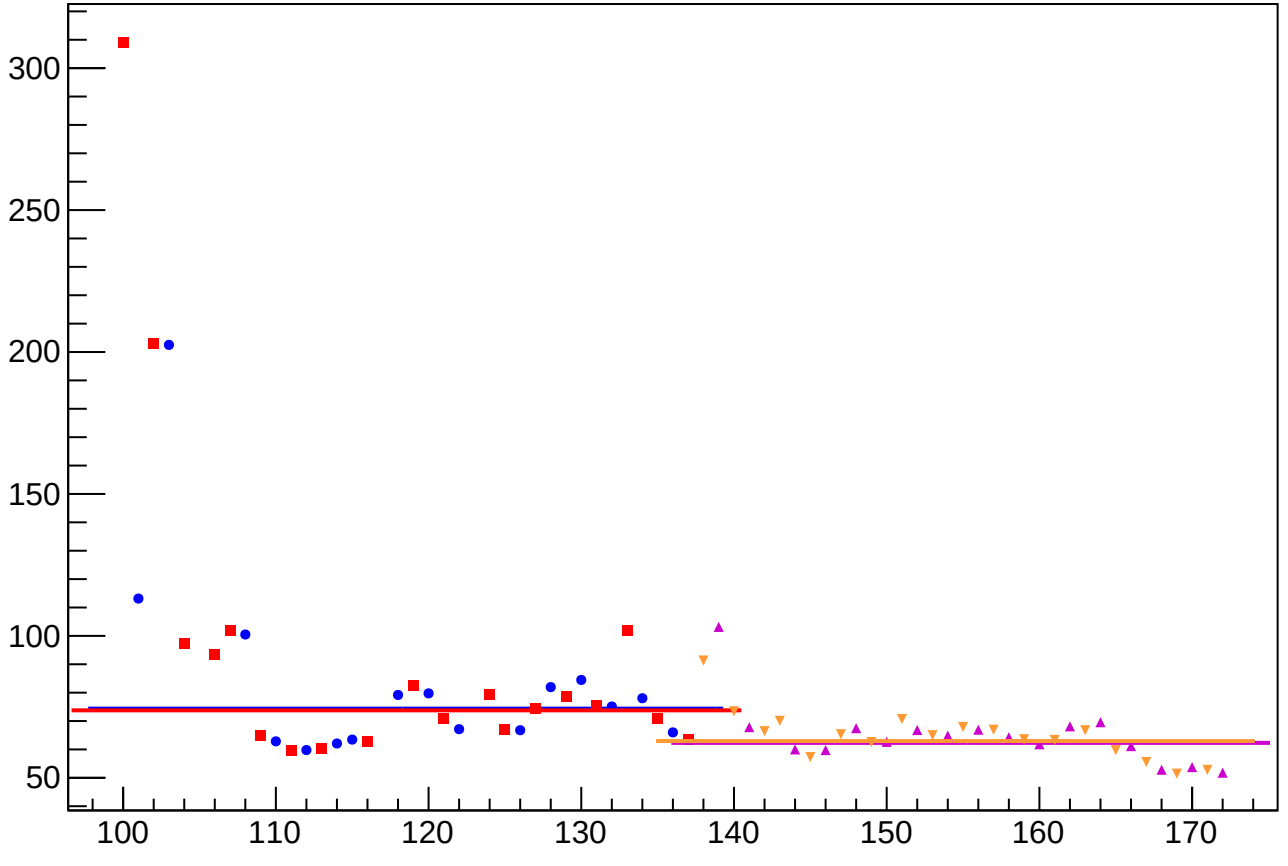
Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 47.821+/-14.586 χ^2/NDF:49.2/32

Out: 66.268+/-14.545 χ^2/NDF:70.9/36

All: 57.070+/-10.299 χ^2/NDF: 120.9/69

cor_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 62.954+/-0.012 χ^2/NDF:426781.7/17

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 62.314+/-0.012 χ^2/NDF:497060.0/16

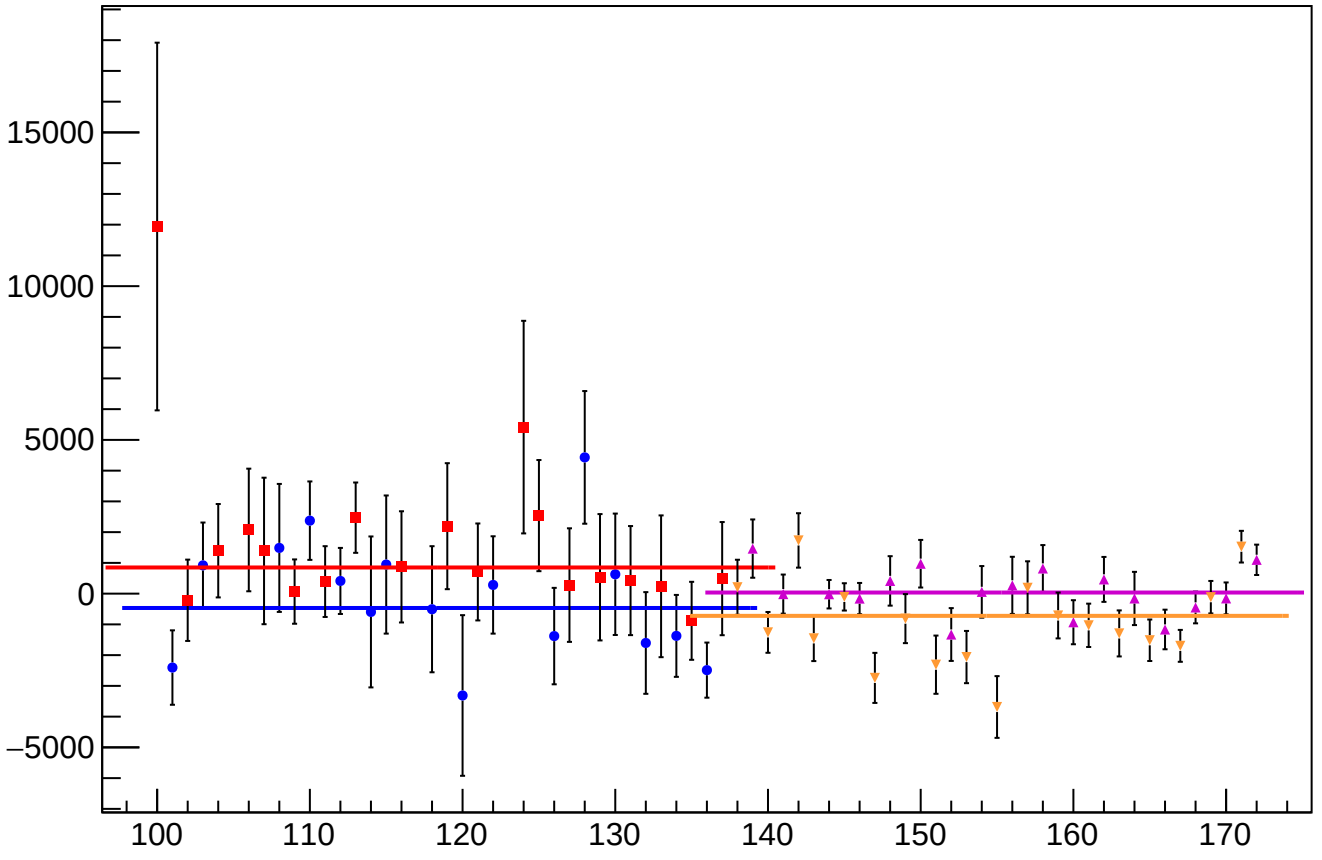
Left: 62.633+/-0.008 χ^2/NDF: 925274.6/34

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 65.382+/-0.010 χ^2/NDF:1583864.4/32

Out: 65.780+/-0.010 χ^2/NDF:1568525.3/36

All: 65.581+/-0.007 χ^2/NDF: 3153137.8/69



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -722.491+/-161.205 χ^2/NDF:59.7/17

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: -335.248+/-112.781 χ^2/NDF: 90.1/34

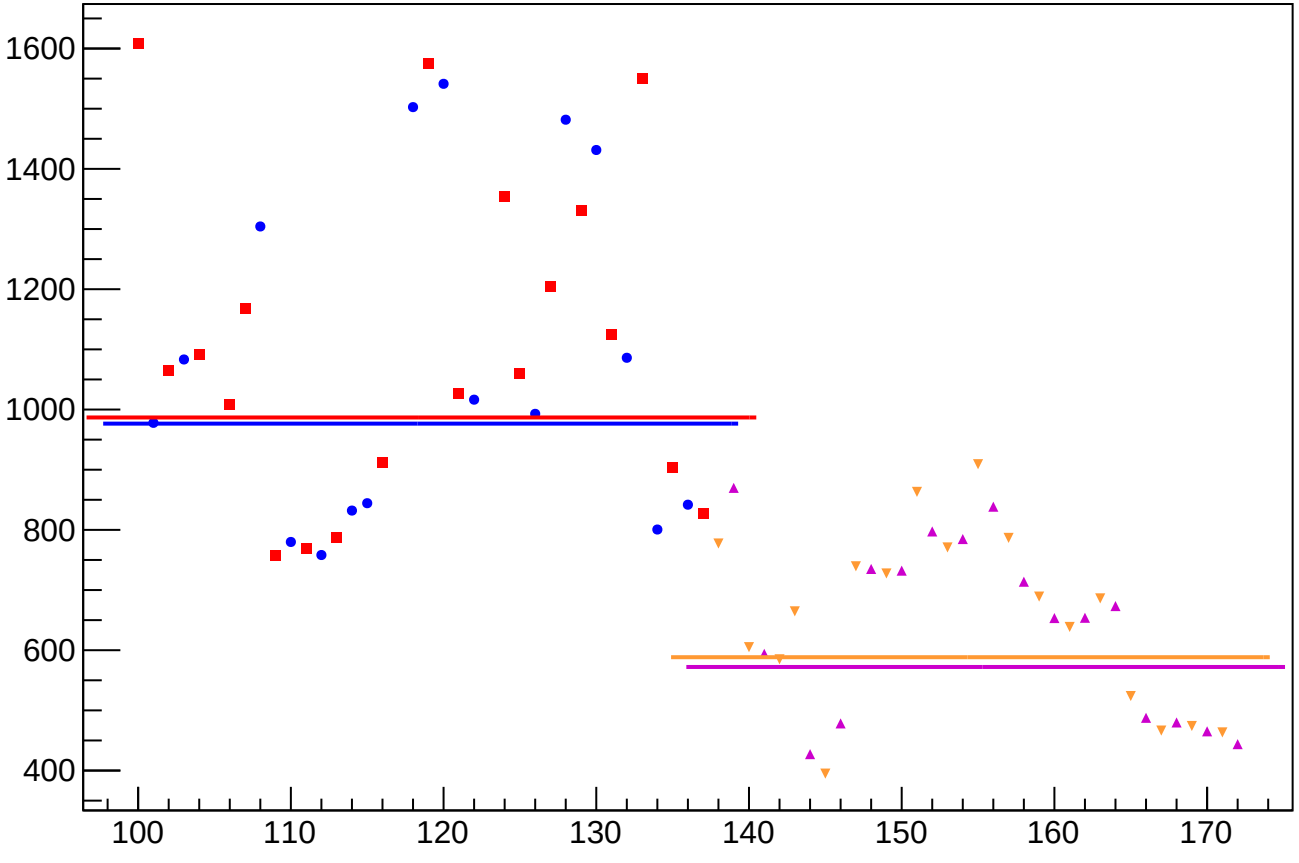
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -39.618+/-145.481 χ^2/NDF:44.3/32

Out: -474.986+/-147.982 χ^2/NDF:87.3/36

All: -253.591+/-103.743 χ^2/NDF: 136.0/69

asym_sam_37_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 588.375+/-0.114 χ^2/NDF:1613159.8/17

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 572.147+/-0.112 χ^2/NDF:1527389.7/16

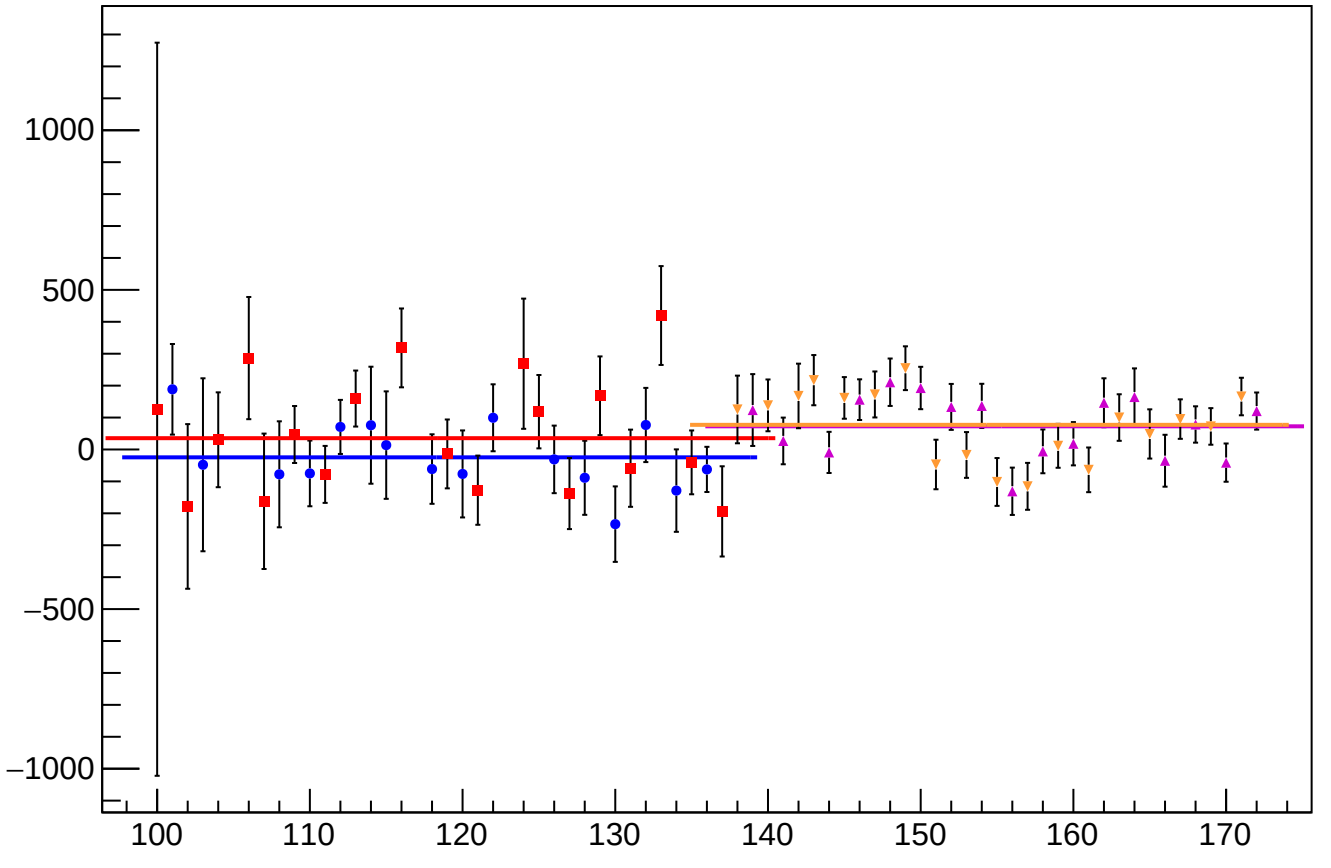
Left: 580.090+/-0.080 χ^2/NDF: 3150898.1/34

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 633.006+/-0.103 χ^2/NDF:4239981.1/32

Out: 651.060+/-0.105 χ^2/NDF:4248696.7/36

All: 641.879+/-0.073 χ^2/NDF: 8503815.2/69



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 77.189+/-16.922 χ^2/NDF:39.3/17

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 72.558+/-16.893 χ^2/NDF:29.7/16

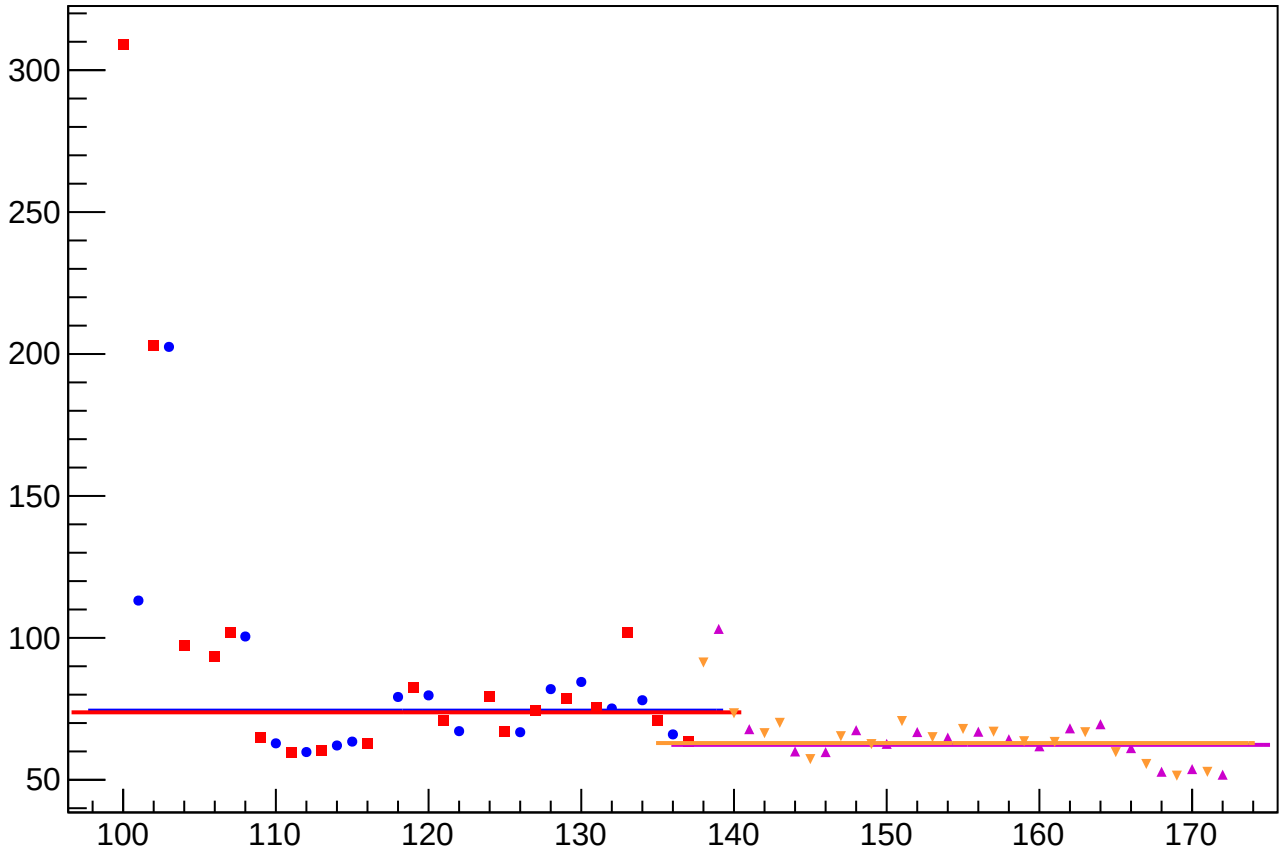
Left: 74.870+/-11.956 χ^2/NDF: 69.1/34

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 47.821+/-14.586 χ^2/NDF:49.2/32

Out: 66.268+/-14.545 χ^2/NDF:70.9/36

All: 57.070+/-10.299 χ^2/NDF: 120.9/69



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 62.954+/-0.012 χ^2/NDF:426781.7/17

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: 62.633+/-0.008 χ^2/NDF: 925274.6/34

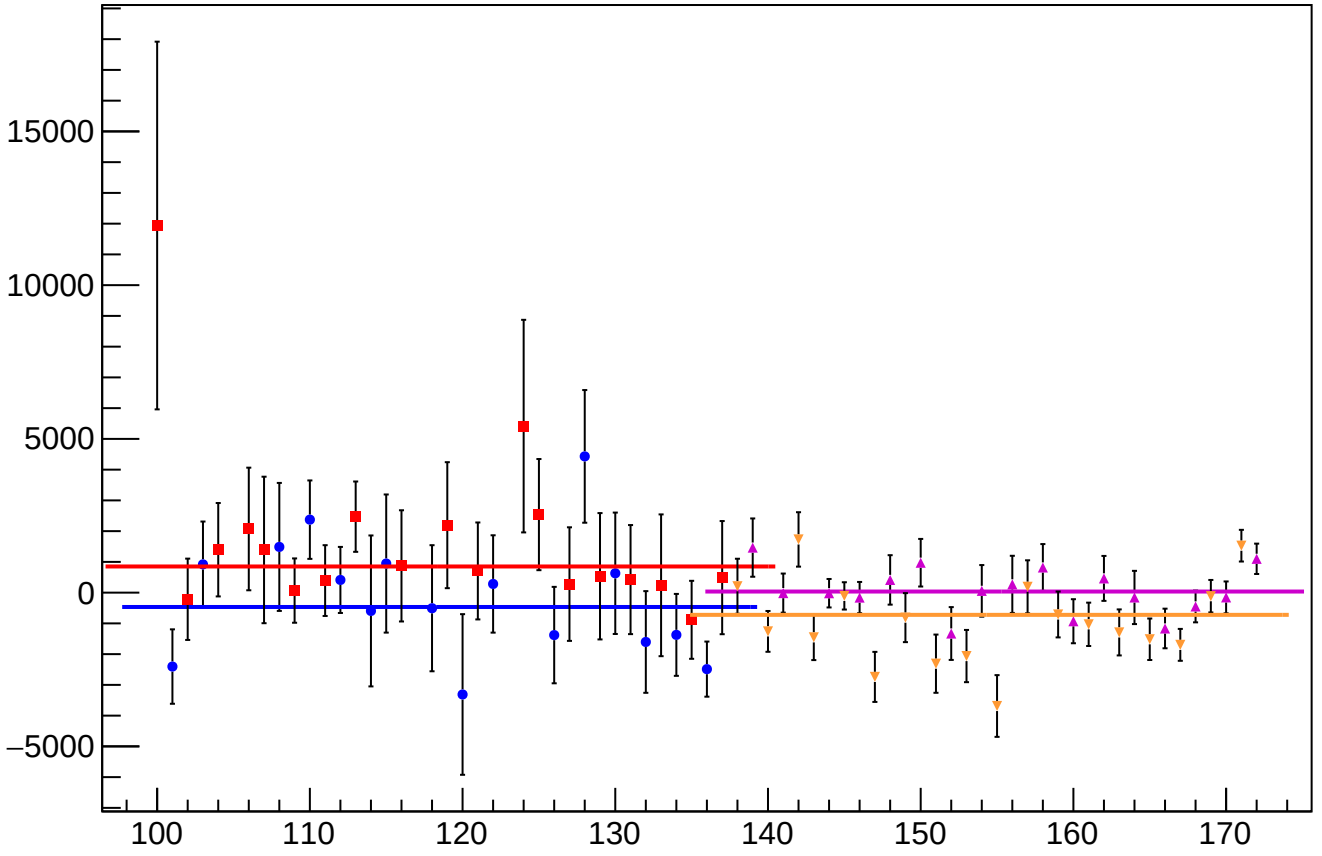
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 65.382+/-0.010 χ^2/NDF:1583864.4/32

Out: 65.780+/-0.010 χ^2/NDF:1568525.3/36

All: 65.581+/-0.007 χ^2/NDF: 3153137.8/69

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: -722.491+/-161.205 χ^2/NDF:59.7/17

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: -335.248+/-112.781 χ^2/NDF: 90.1/34

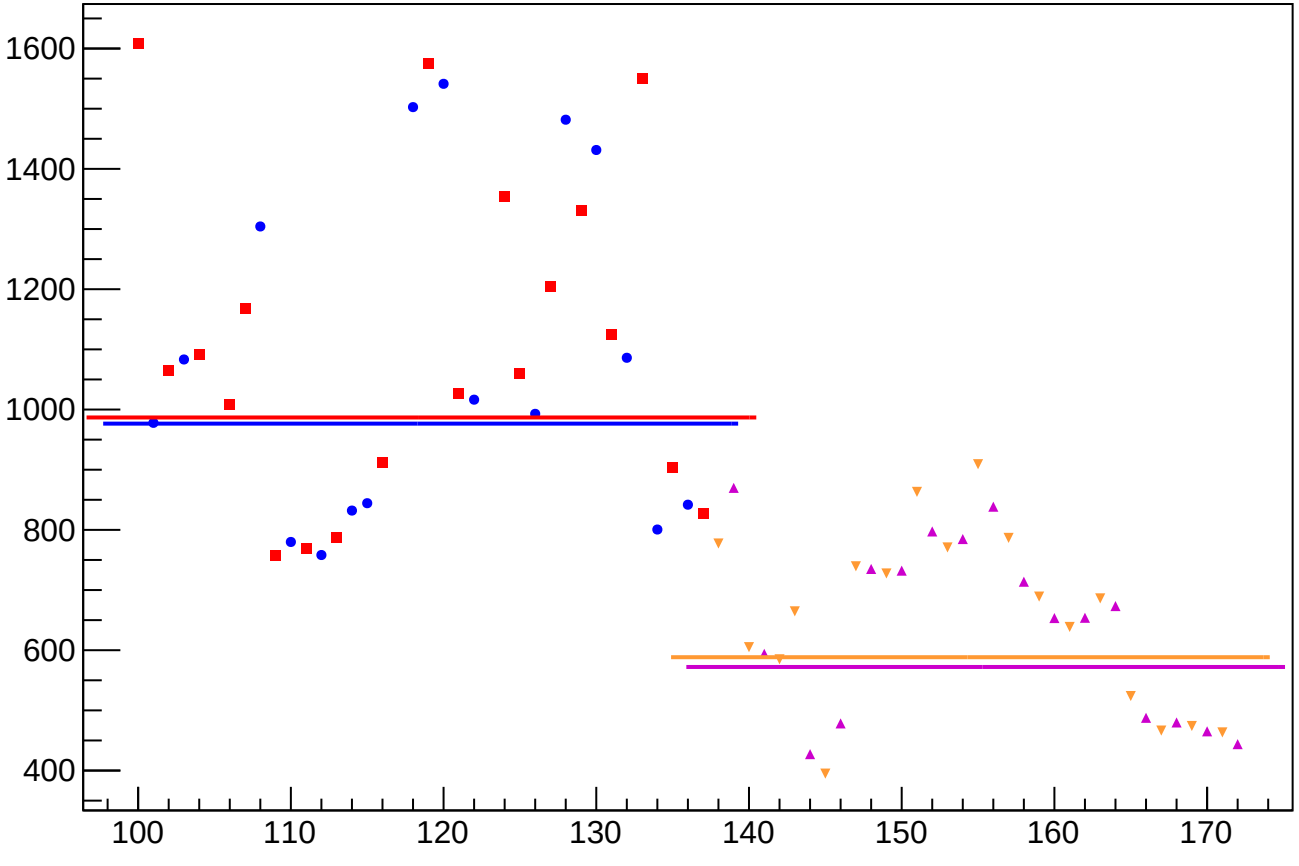
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -39.618+/-145.481 χ^2/NDF:44.3/32

Out: -474.986+/-147.982 χ^2/NDF:87.3/36

All: -253.591+/-103.743 χ^2/NDF: 136.0/69

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: 588.375+/-0.114 χ^2/NDF:1613159.8/17

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 572.147+/-0.112 χ^2/NDF:1527389.7/16

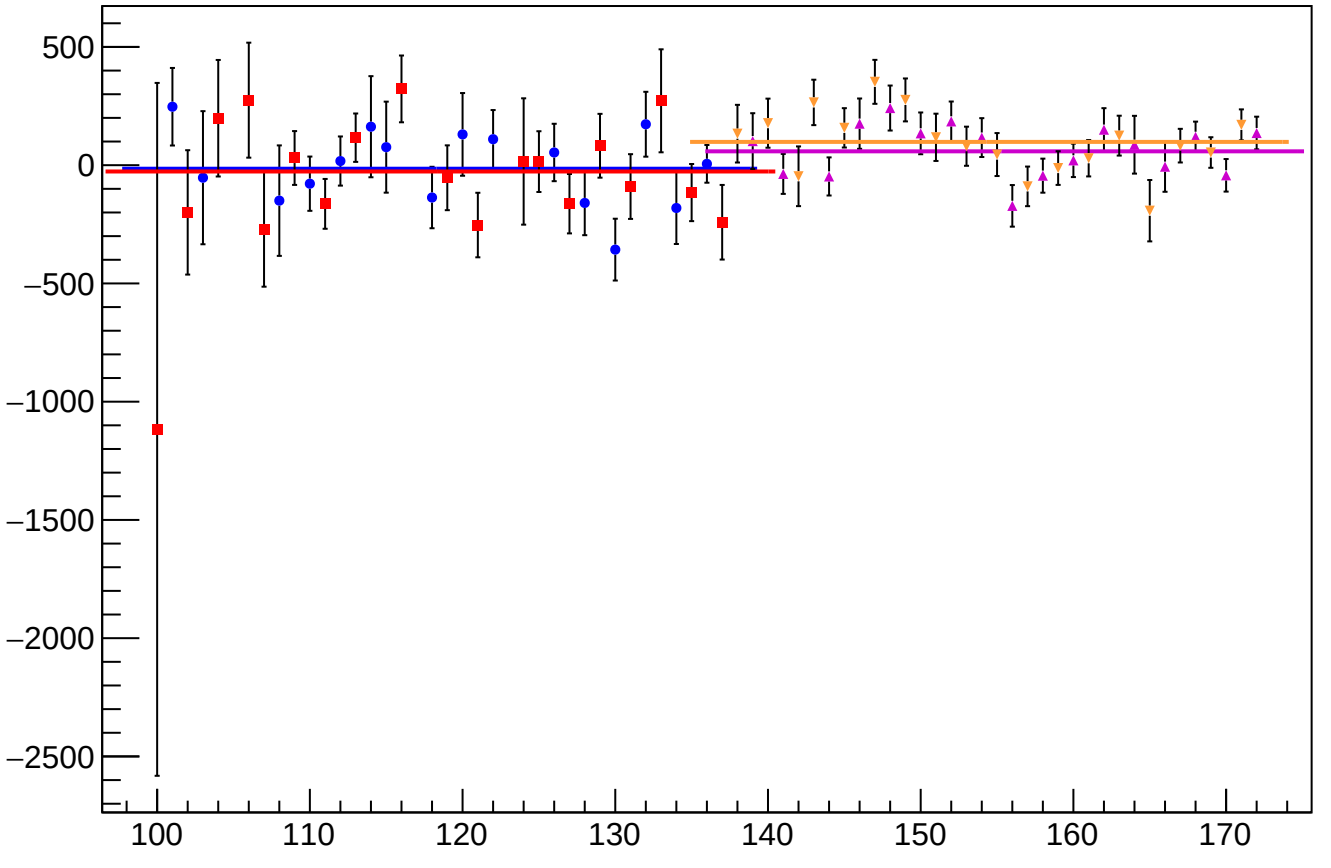
Left: 580.090+/-0.080 χ^2/NDF: 3150898.1/34

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 633.006+/-0.103 χ^2/NDF:4239981.1/32

Out: 651.060+/-0.105 χ^2/NDF:4248696.7/36

All: 641.879+/-0.073 χ^2/NDF: 8503815.2/69



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 98.466+/-20.163 χ^2/NDF:32.4/17

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: 78.571+/-14.278 χ^2/NDF: 60.9/34

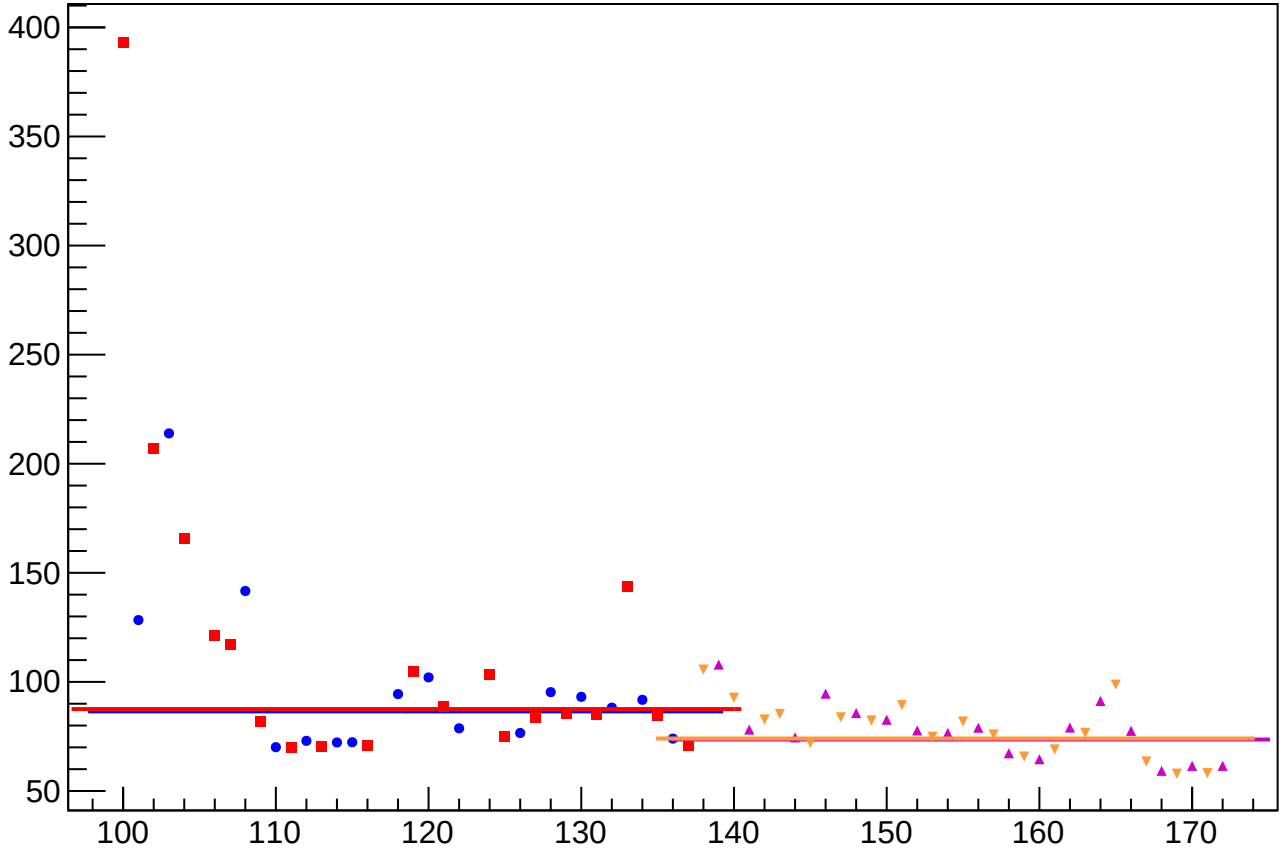
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 39.148+/-17.348 χ^2/NDF:48.3/32

Out: 66.015+/-17.353 χ^2/NDF:66.0/36

All: 52.578+/-12.269 χ^2/NDF: 115.5/69

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 74.058+/-0.014 χ^2/NDF:733496.3/17

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 73.585+/-0.014 χ^2/NDF:645332.2/16

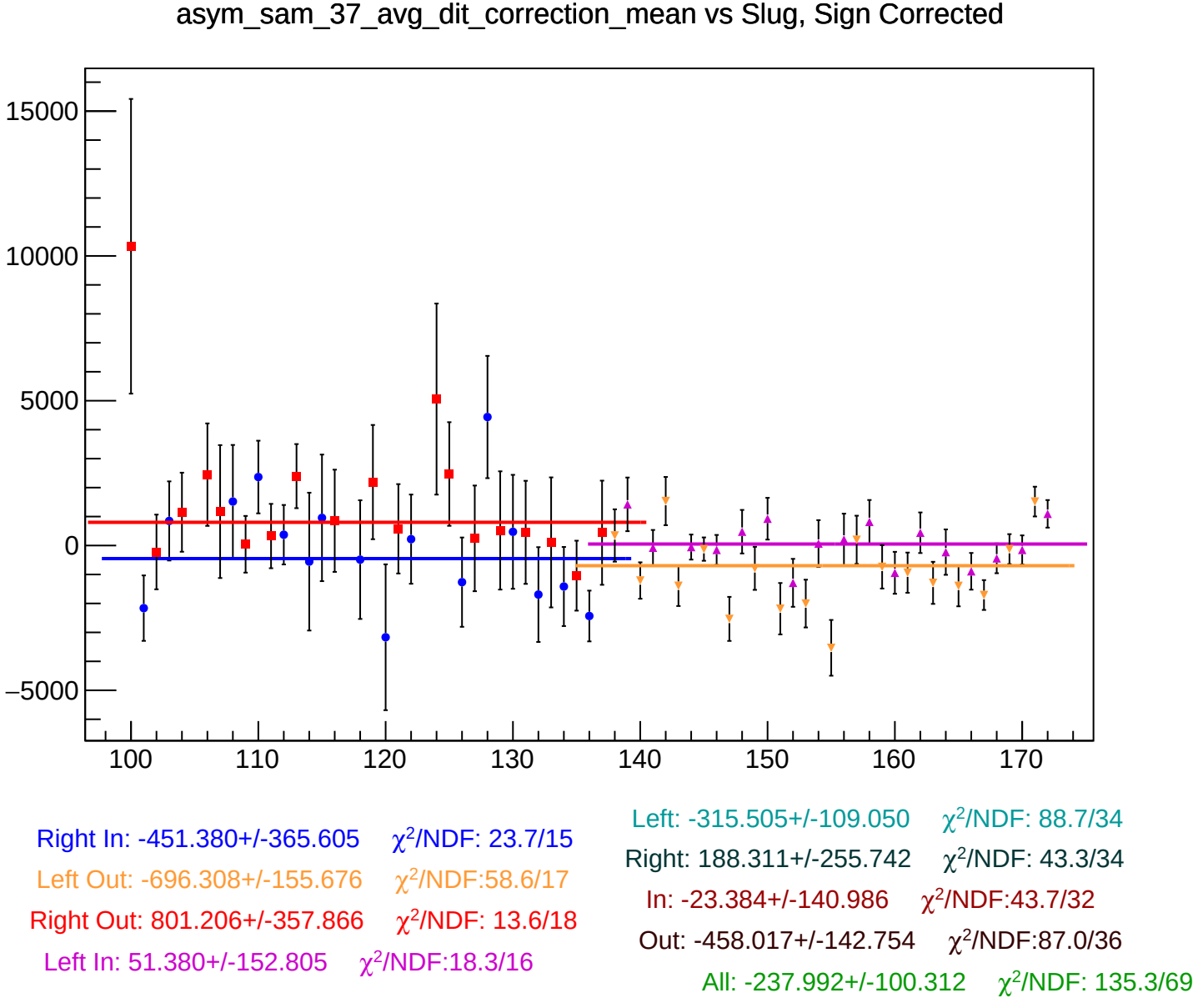
Left: 73.822+/-0.010 χ^2/NDF: 1379378.6/34

Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

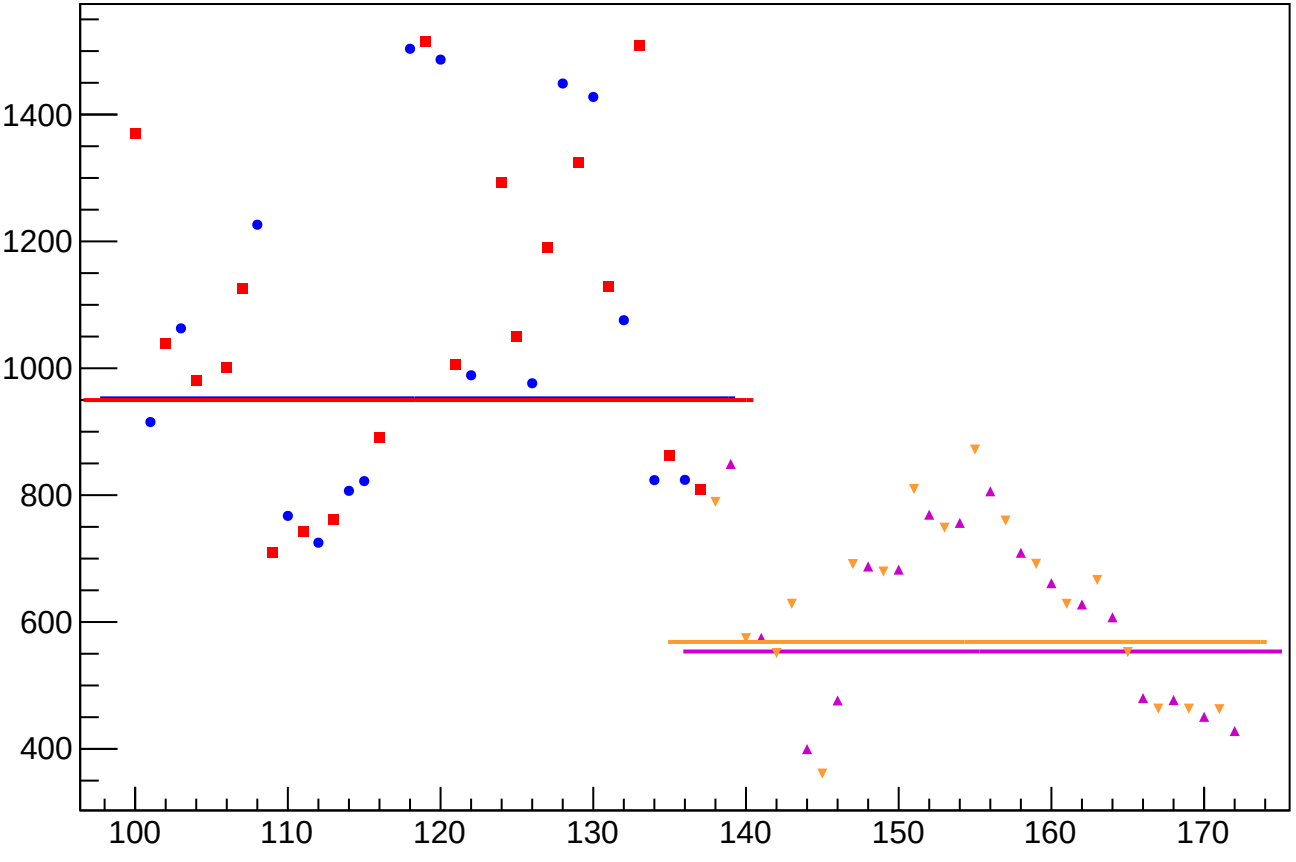
In: 76.992+/-0.012 χ^2/NDF:1716634.5/32

Out: 77.559+/-0.012 χ^2/NDF:2095698.6/36

All: 77.275+/-0.009 χ^2/NDF: 3813399.7/69


asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
Right In: -451.380+/-365.605 χ²/NDF: 23.7/15
Left Out: -696.308+/-155.676 χ²/NDF:58.6/17
Right Out: 801.206+/-357.866 χ²/NDF: 13.6/18
Left In: 51.380+/-152.805 χ²/NDF:18.3/16
Left: -315.505+/-109.050 χ²/NDF: 88.7/34
Right: 188.311+/-255.742 χ²/NDF: 43.3/34
In: -23.384+/-140.986 χ²/NDF:43.7/32
Out: -458.017+/-142.754 χ²/NDF:87.0/36
All: -237.992+/-100.312 χ²/NDF: 135.3/69

asym_sam_37_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 568.578+/-0.110 χ^2/NDF:1666587.5/17

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 553.557+/-0.108 χ^2/NDF:1508187.7/16

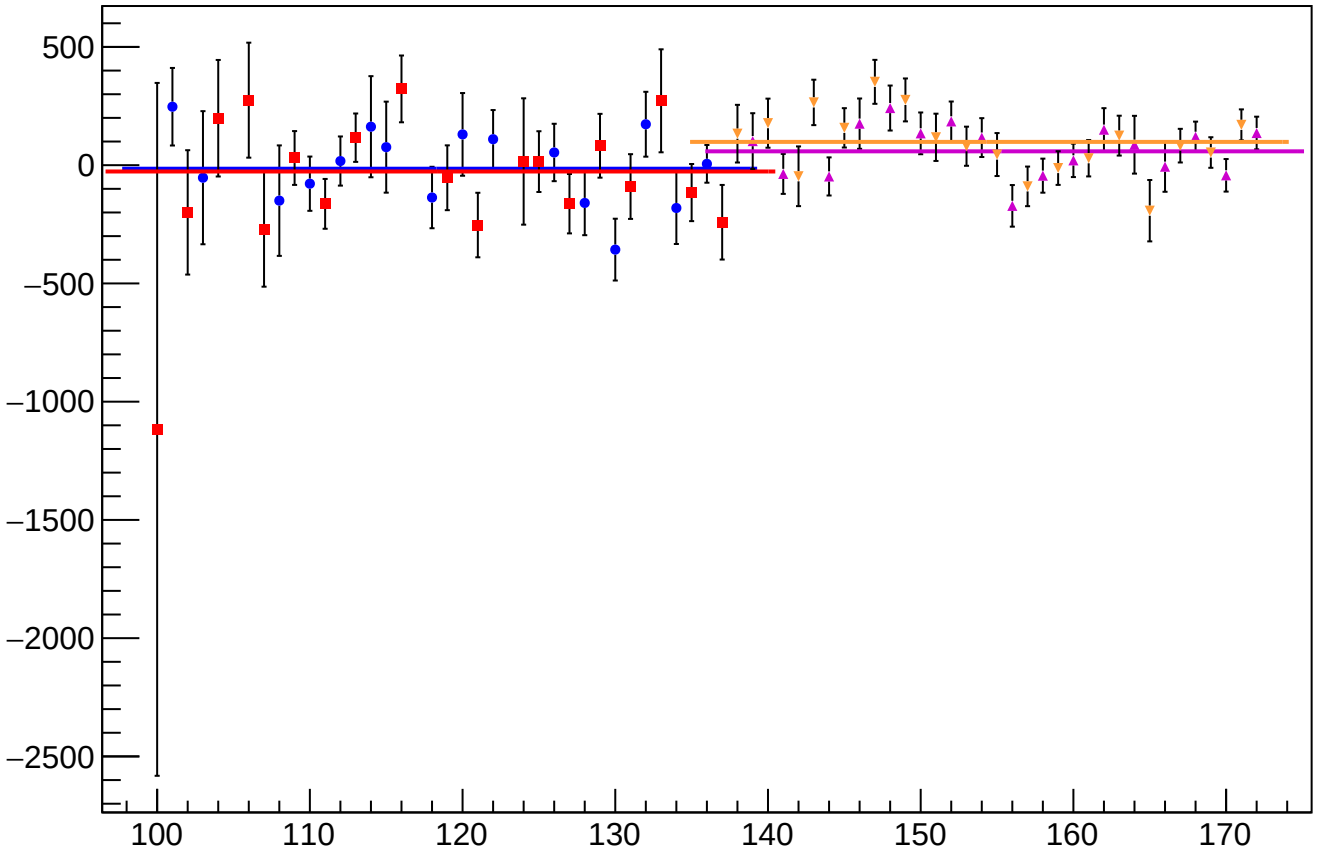
Left: 560.928+/-0.077 χ^2/NDF: 3184257.9/34

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 612.890+/-0.100 χ^2/NDF:4282291.9/32

Out: 629.254+/-0.101 χ^2/NDF:4327613.3/36

All: 620.970+/-0.071 χ^2/NDF: 8623209.2/69



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 98.467+/-20.163 χ^2/NDF:32.4/17

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 58.558+/-20.222 χ^2/NDF:26.6/16

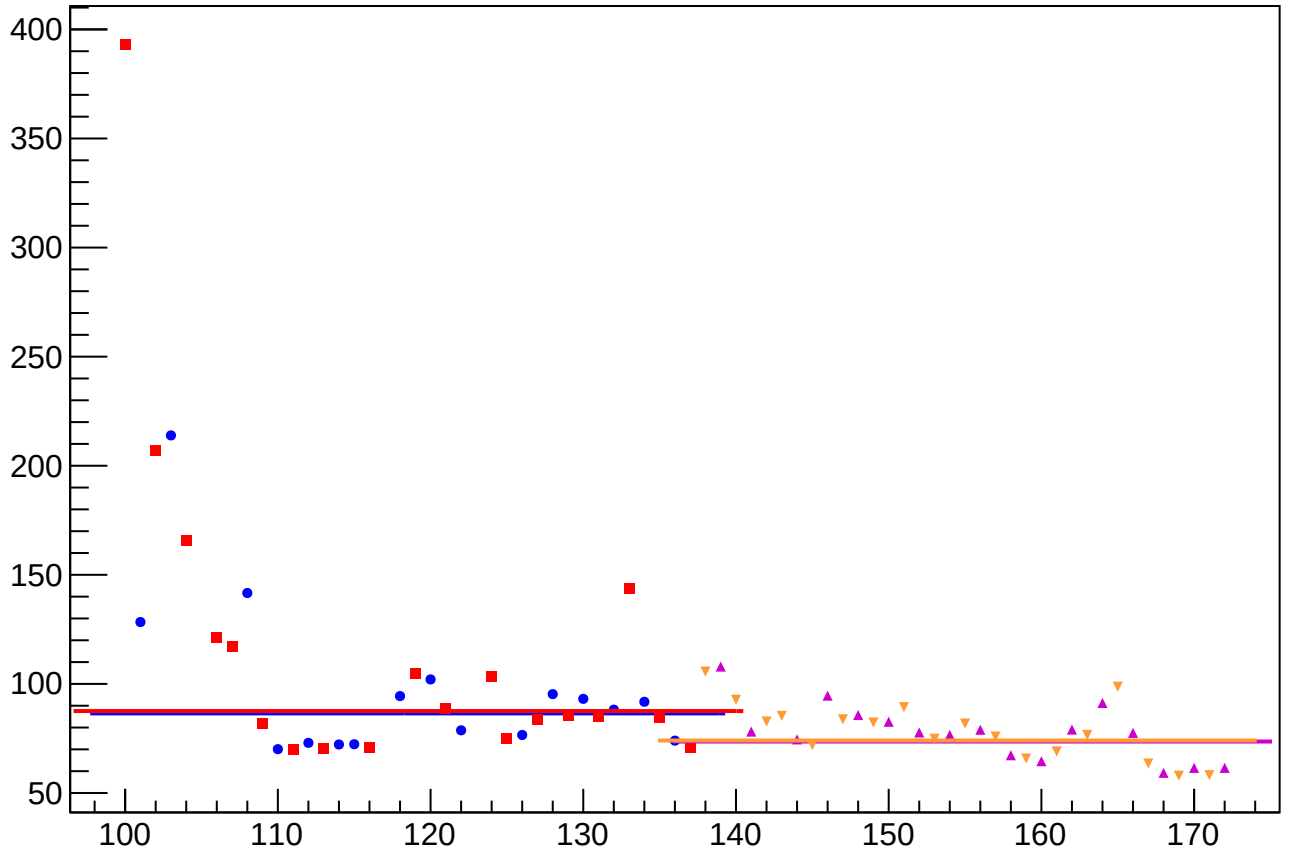
Left: 78.571+/-14.278 χ^2/NDF: 60.9/34

Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 39.147+/-17.348 χ^2/NDF:48.3/32

Out: 66.014+/-17.353 χ^2/NDF:66.0/36

All: 52.577+/-12.269 χ^2/NDF: 115.5/69



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 74.058+/-0.014 χ^2/NDF:733505.7/17

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: 73.822+/-0.010 χ^2/NDF: 1379393.5/34

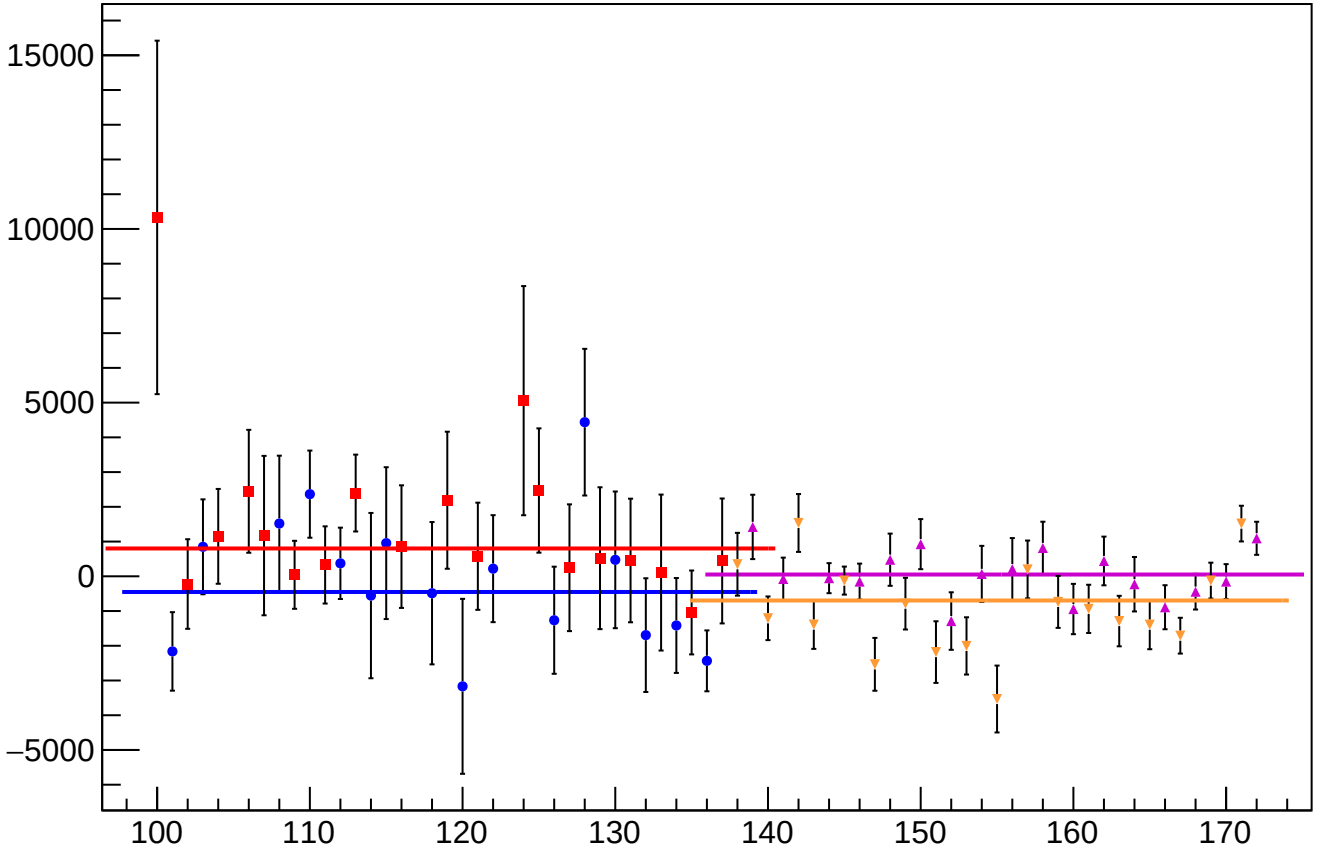
Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 76.992+/-0.012 χ^2/NDF:1716634.5/32

Out: 77.559+/-0.012 χ^2/NDF:2095710.8/36

All: 77.276+/-0.009 χ^2/NDF: 3813412.0/69

asym_sam_37_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -451.378+/-365.605 χ^2/NDF: 23.7/15

Left Out: -696.309+/-155.676 χ^2/NDF:58.6/17

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: -315.506+/-109.050 χ^2/NDF: 88.7/34

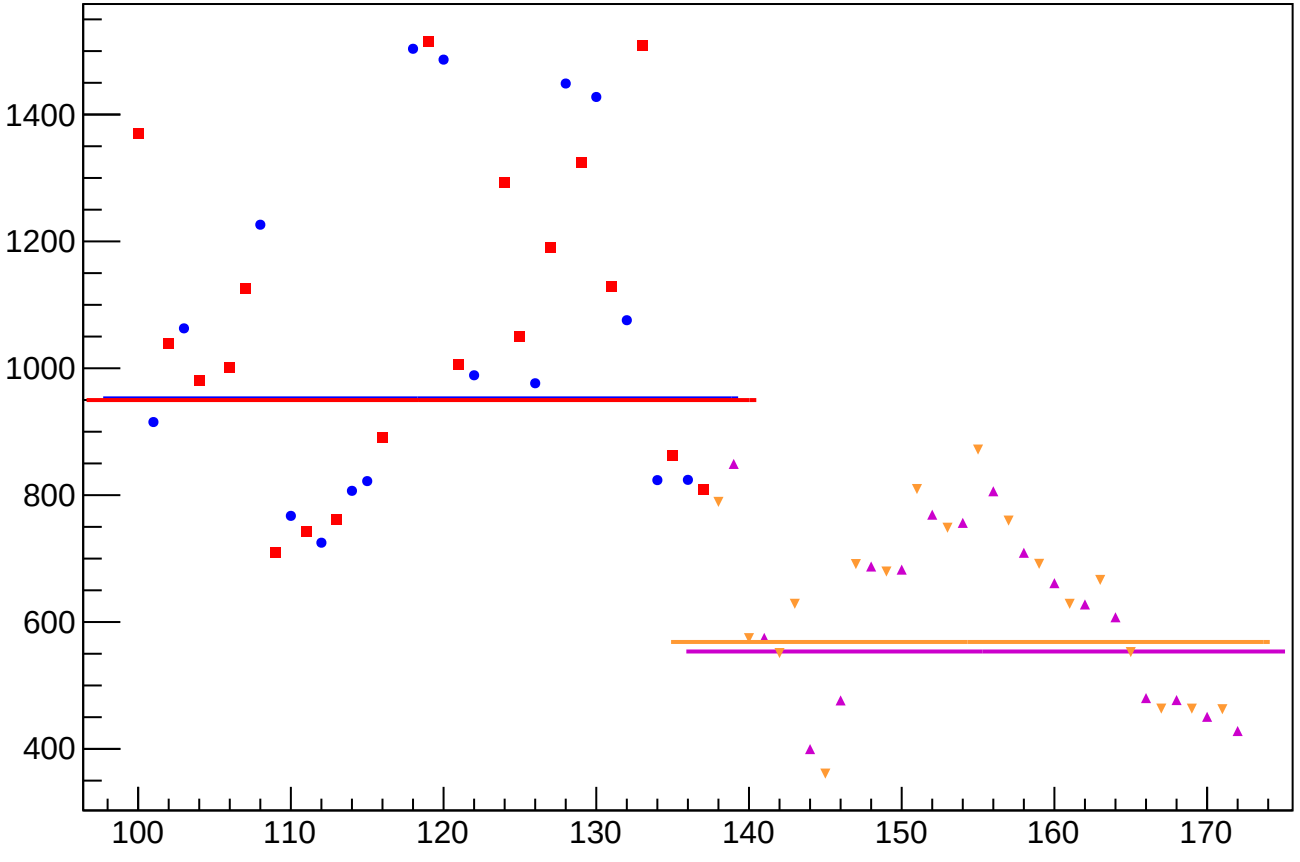
Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -23.384+/-140.986 χ^2/NDF:43.7/32

Out: -458.017+/-142.754 χ^2/NDF:87.0/36

All: -237.993+/-100.311 χ^2/NDF: 135.3/69

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: 568.577+/-0.110 χ^2/NDF:1666585.0/17

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 553.557+/-0.108 χ^2/NDF:1508183.9/16

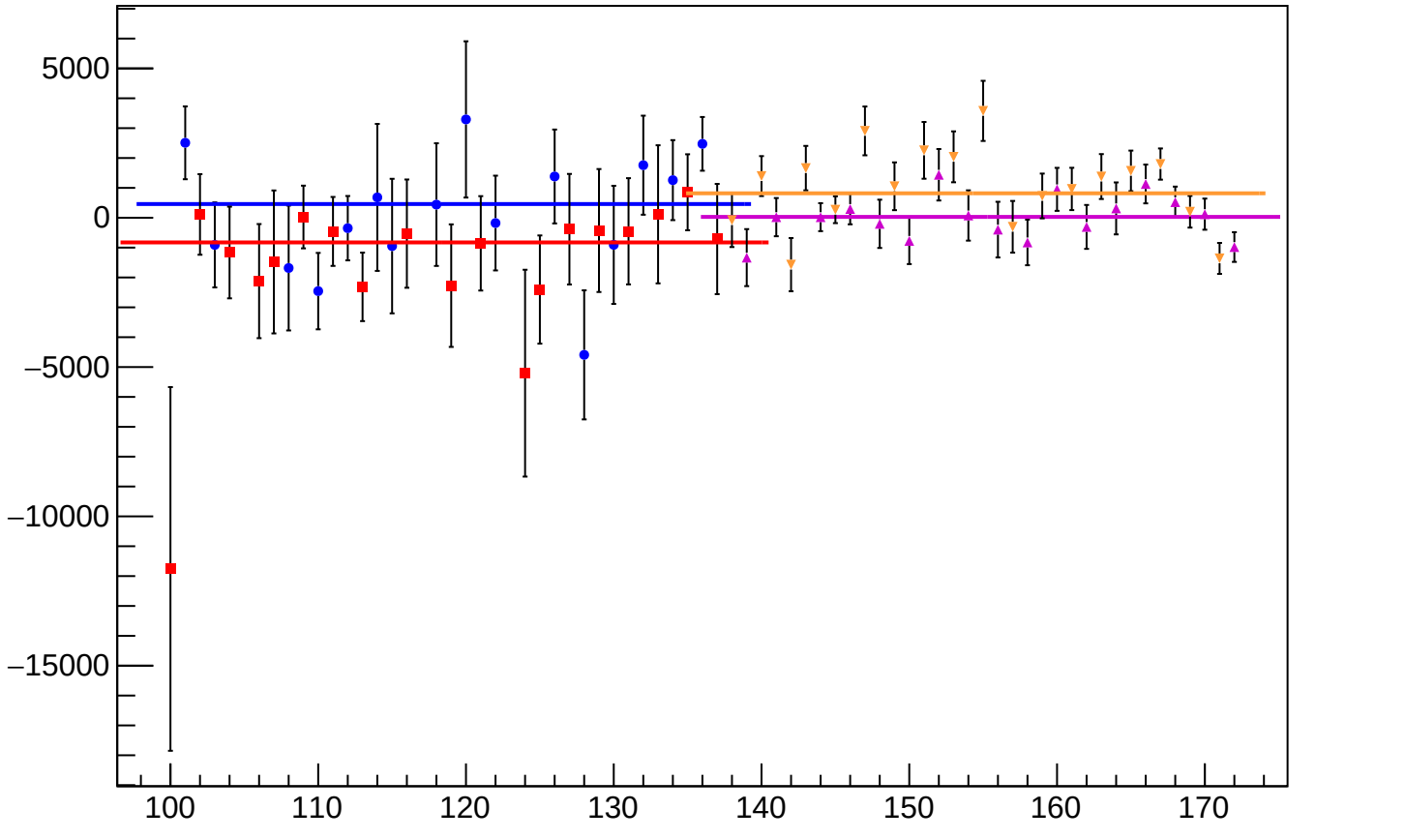
Left: 560.927+/-0.077 χ^2/NDF: 3184251.5/34

Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 612.890+/-0.100 χ^2/NDF:4282282.9/32

Out: 629.254+/-0.101 χ^2/NDF:4327603.6/36

All: 620.970+/-0.071 χ^2/NDF: 8623190.3/69



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 818.511+/-162.230 χ^2/NDF:56.2/17

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: 28.208+/-158.885 χ^2/NDF:17.5/16

Left: 415.126+/-113.513 χ^2/NDF: 85.9/34

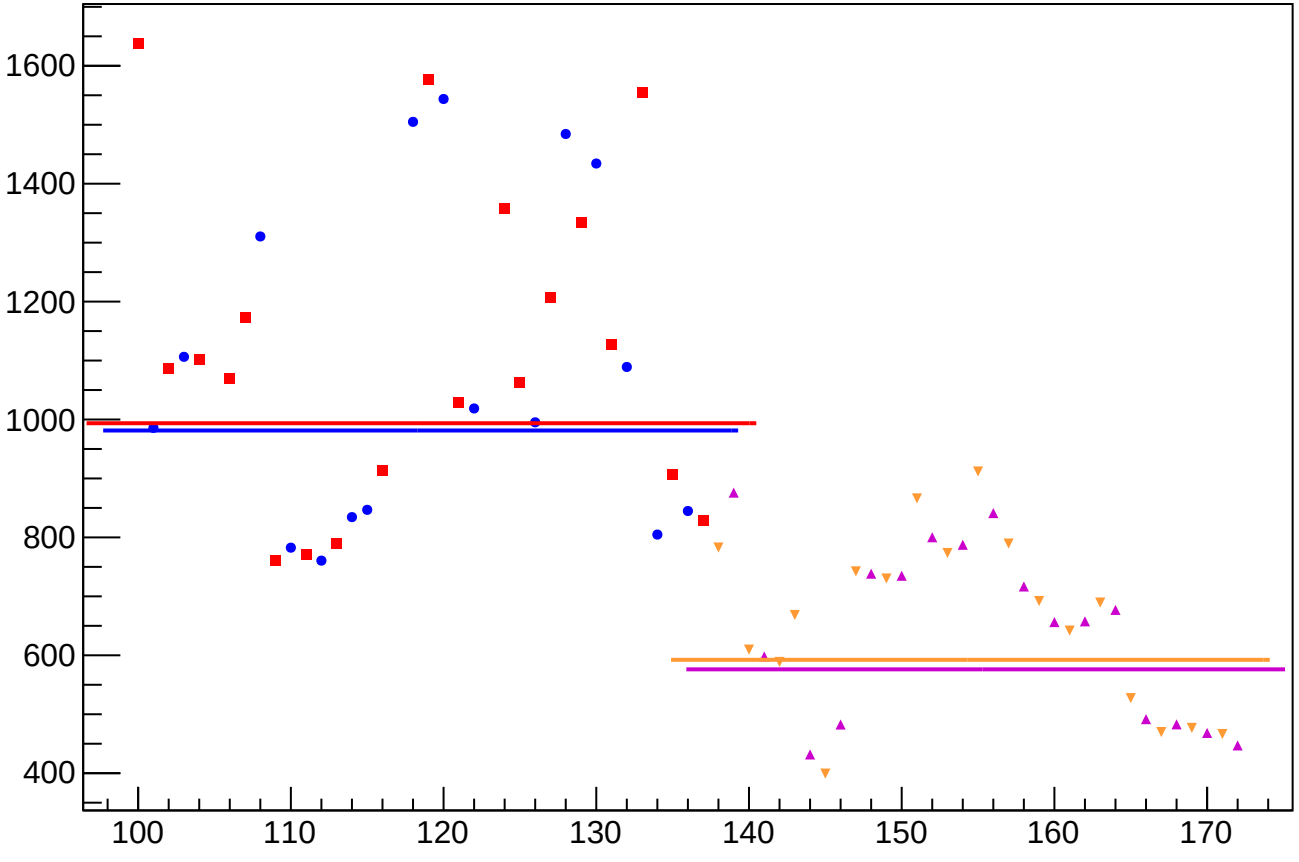
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 93.241+/-146.406 χ^2/NDF:43.2/32

Out: 558.287+/-148.847 χ^2/NDF:84.2/36

All: 321.919+/-104.377 χ^2/NDF: 132.3/69

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 592.373+/-0.115 χ^2/NDF:1589239.2/17

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 576.173+/-0.112 χ^2/NDF:1506176.7/16

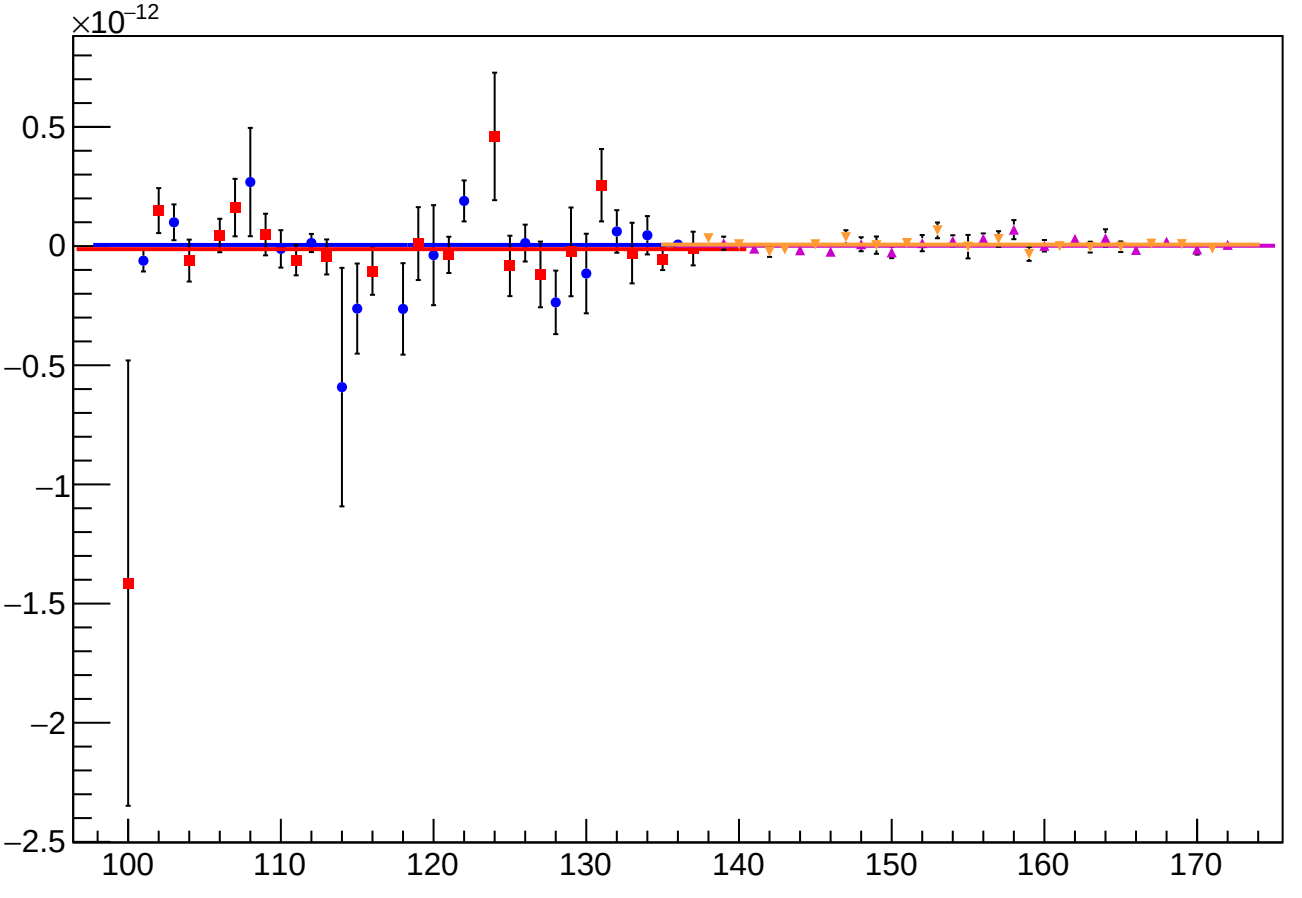
Left: 584.104+/-0.080 χ^2/NDF: 3105595.5/34

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 637.319+/-0.104 χ^2/NDF:4206617.4/32

Out: 655.855+/-0.105 χ^2/NDF:4245007.3/36

All: 646.434+/-0.074 χ^2/NDF: 8467389.4/69



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.5/17

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.2/16

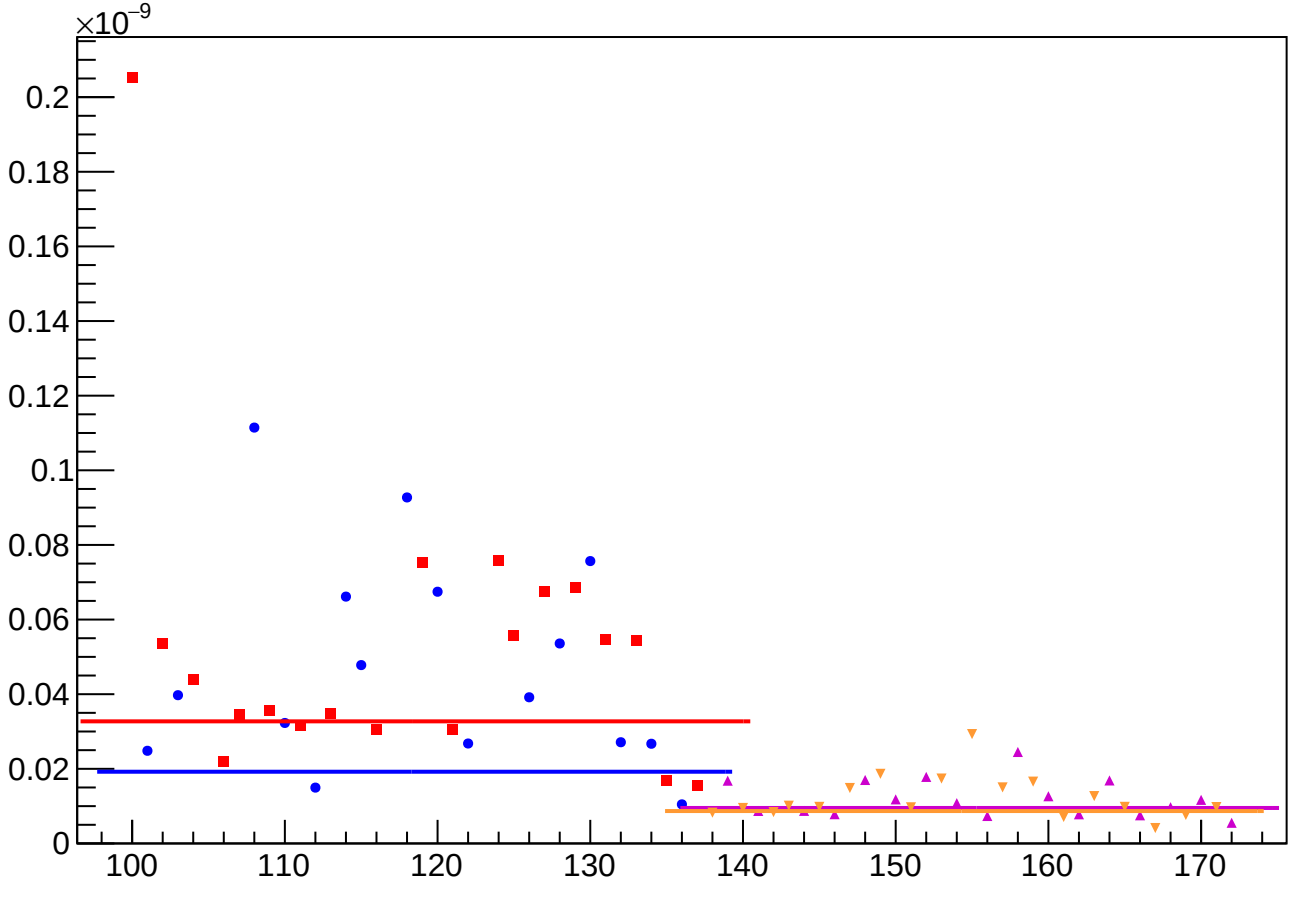
Left: 0.000+/-0.000 χ^2/NDF: 32.3/34

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:32.7/36

All: 0.000+/-0.000 χ^2/NDF: 71.0/69



Right In: 0.000+/-0.000 χ^2/NDF: 1977908.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1623821.9/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1181327.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1134690.0/16

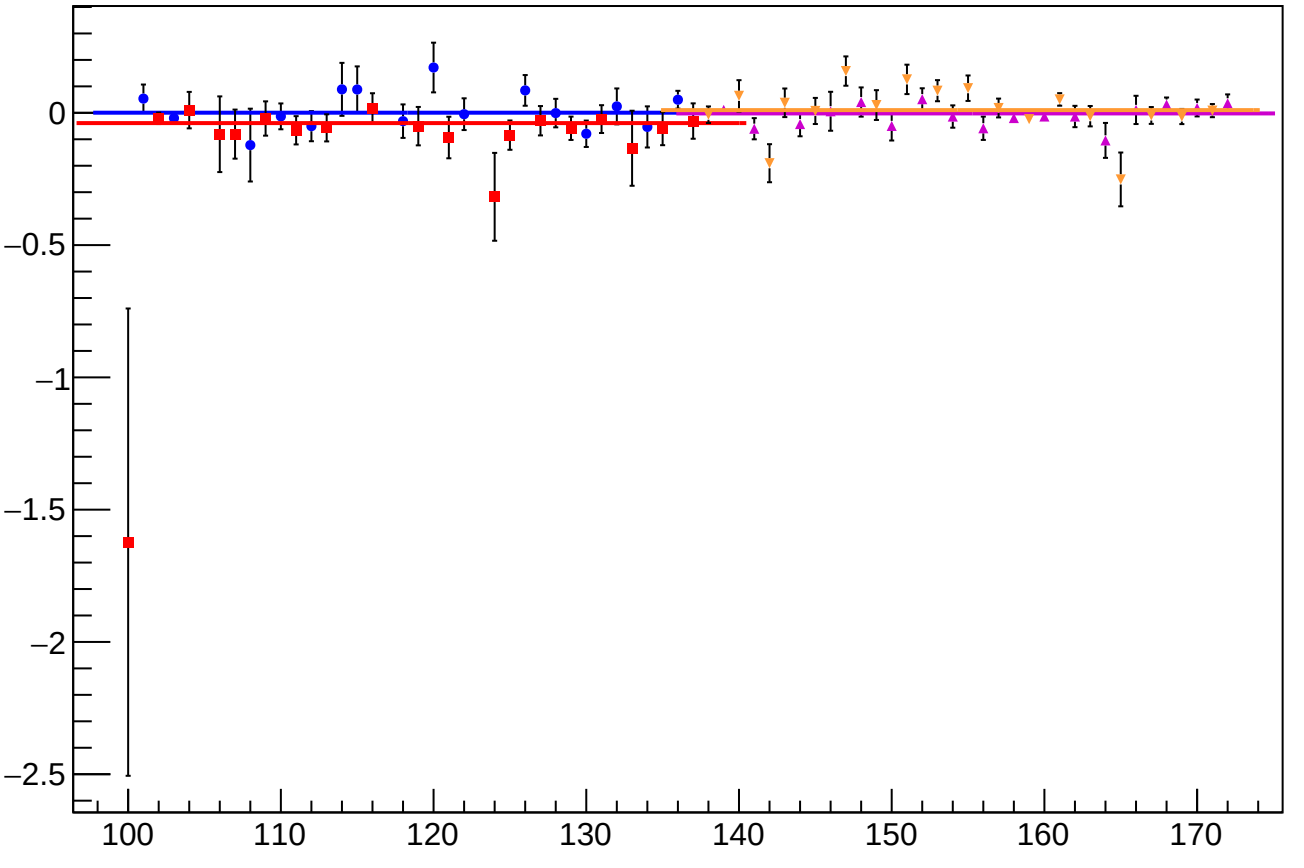
Left: 0.000+/-0.000 χ^2/NDF: 2790389.5/34

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:5374256.8/36

All: 0.000+/-0.000 χ^2/NDF: 9329777.5/69



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.010+/-0.008 χ^2/NDF:42.5/17

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: 0.003+/-0.005 χ^2/NDF: 59.6/34

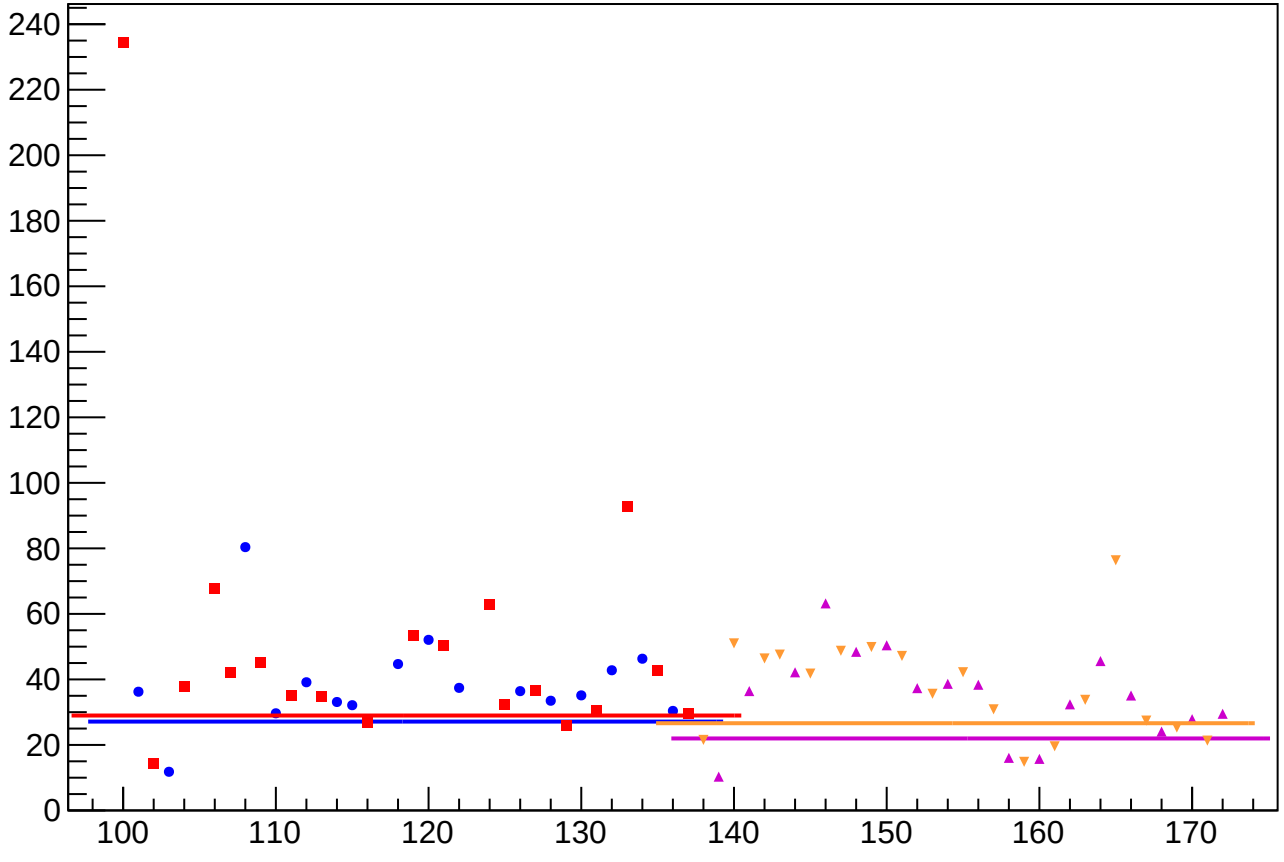
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.002+/-0.006 χ^2/NDF:32.3/32

Out: -0.004+/-0.007 χ^2/NDF:64.2/36

All: -0.003+/-0.005 χ^2/NDF: 96.5/69

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: 26.628+/-0.006 χ^2/NDF:4150282.5/17

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 21.977+/-0.005 χ^2/NDF:5785708.4/16

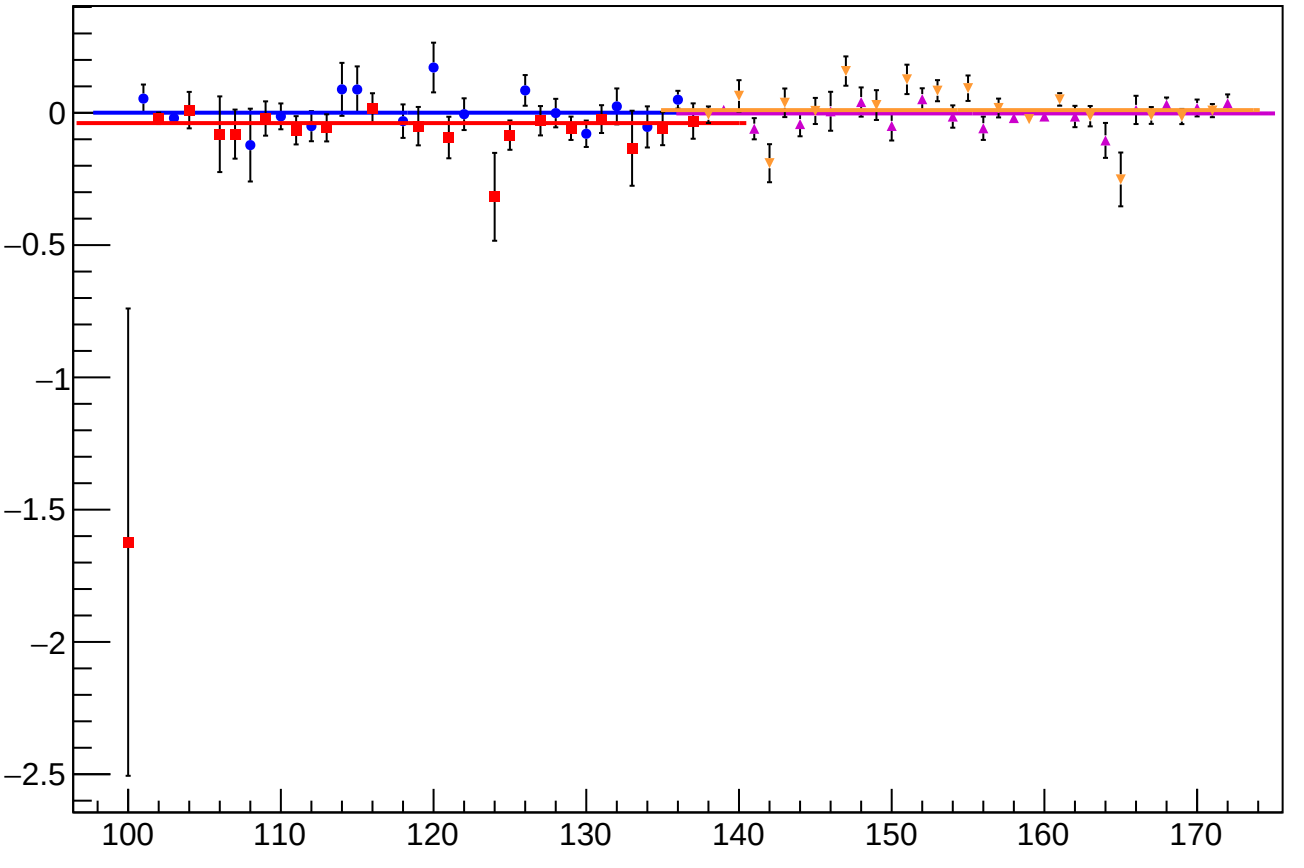
Left: 23.988+/-0.004 χ^2/NDF: 10307528.4/34

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.306+/-0.004 χ^2/NDF:8472967.5/32

Out: 27.316+/-0.005 χ^2/NDF:6655482.3/36

All: 25.088+/-0.003 χ^2/NDF: 15510834.7/69



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.010+/-0.008 χ^2/NDF:42.5/17

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: 0.003+/-0.005 χ^2/NDF: 59.6/34

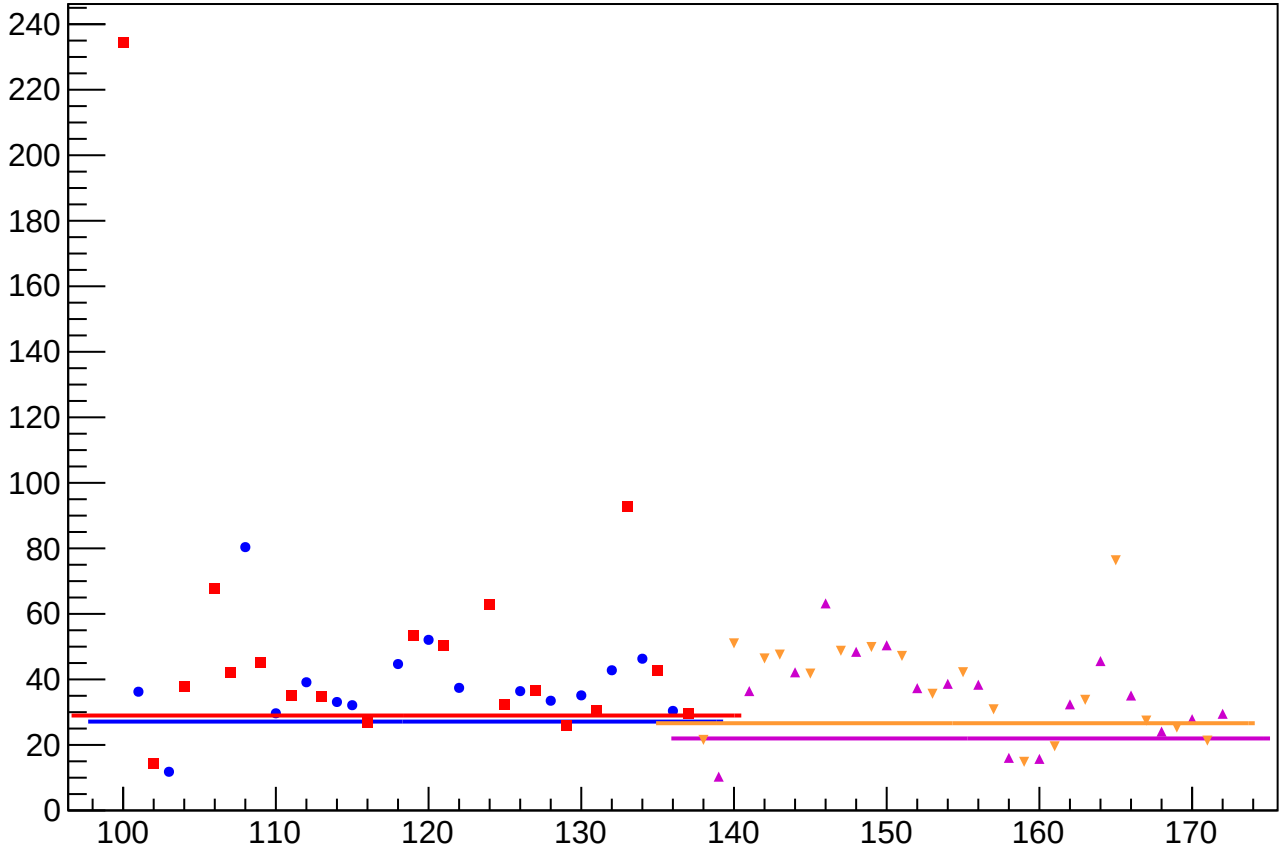
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.002+/-0.006 χ^2/NDF:32.3/32

Out: -0.004+/-0.007 χ^2/NDF:64.2/36

All: -0.003+/-0.005 χ^2/NDF: 96.5/69

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: 26.628+/-0.006 χ^2/NDF:4150282.5/17

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 21.977+/-0.005 χ^2/NDF:5785708.4/16

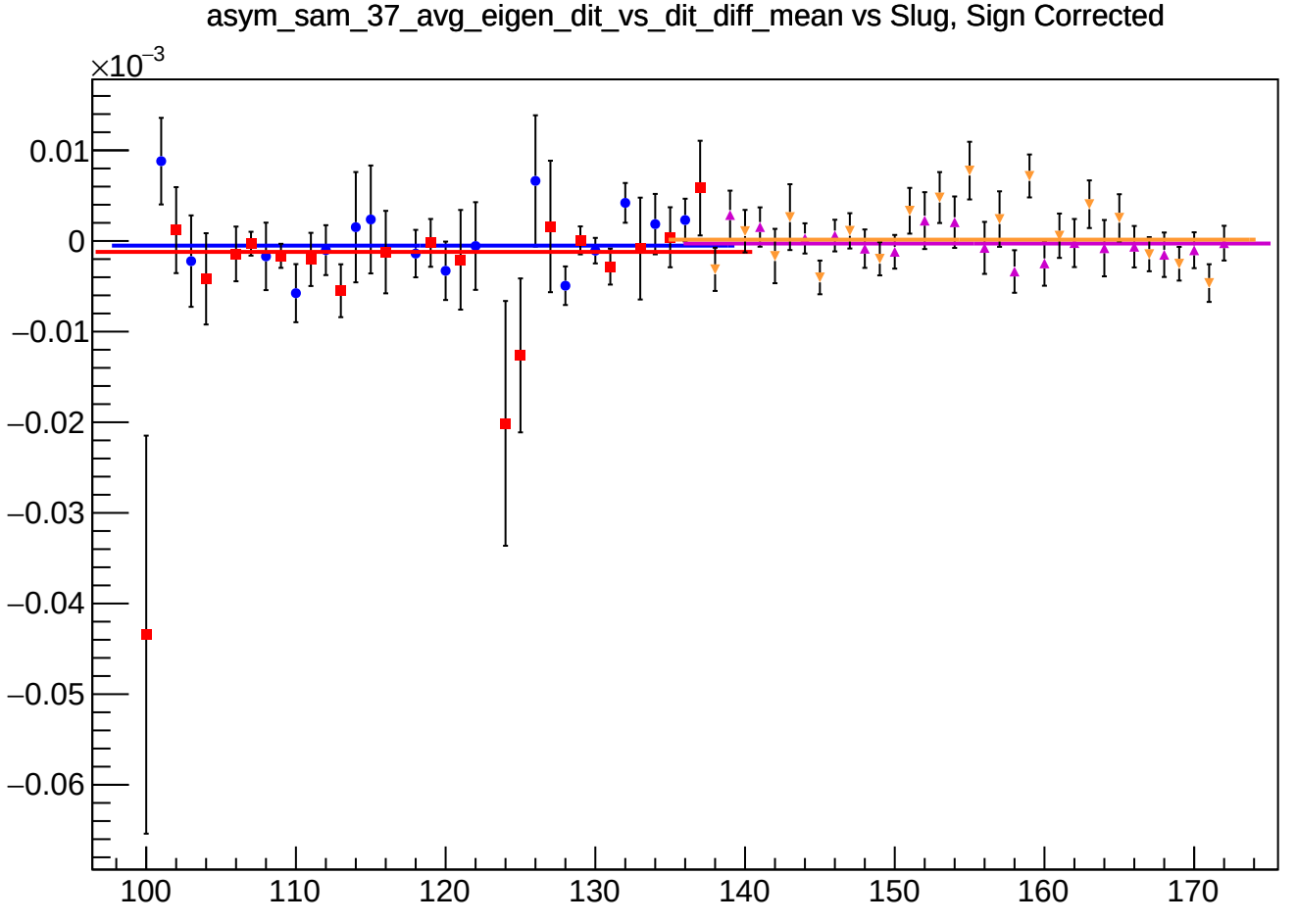
Left: 23.988+/-0.004 χ^2/NDF: 10307528.4/34

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.306+/-0.004 χ^2/NDF:8472967.5/32

Out: 27.316+/-0.005 χ^2/NDF:6655482.3/36

All: 25.088+/-0.003 χ^2/NDF: 15510834.7/69



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.1/17

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:7.1/16

Left: -0.000+/-0.000 χ^2/NDF: 47.5/34

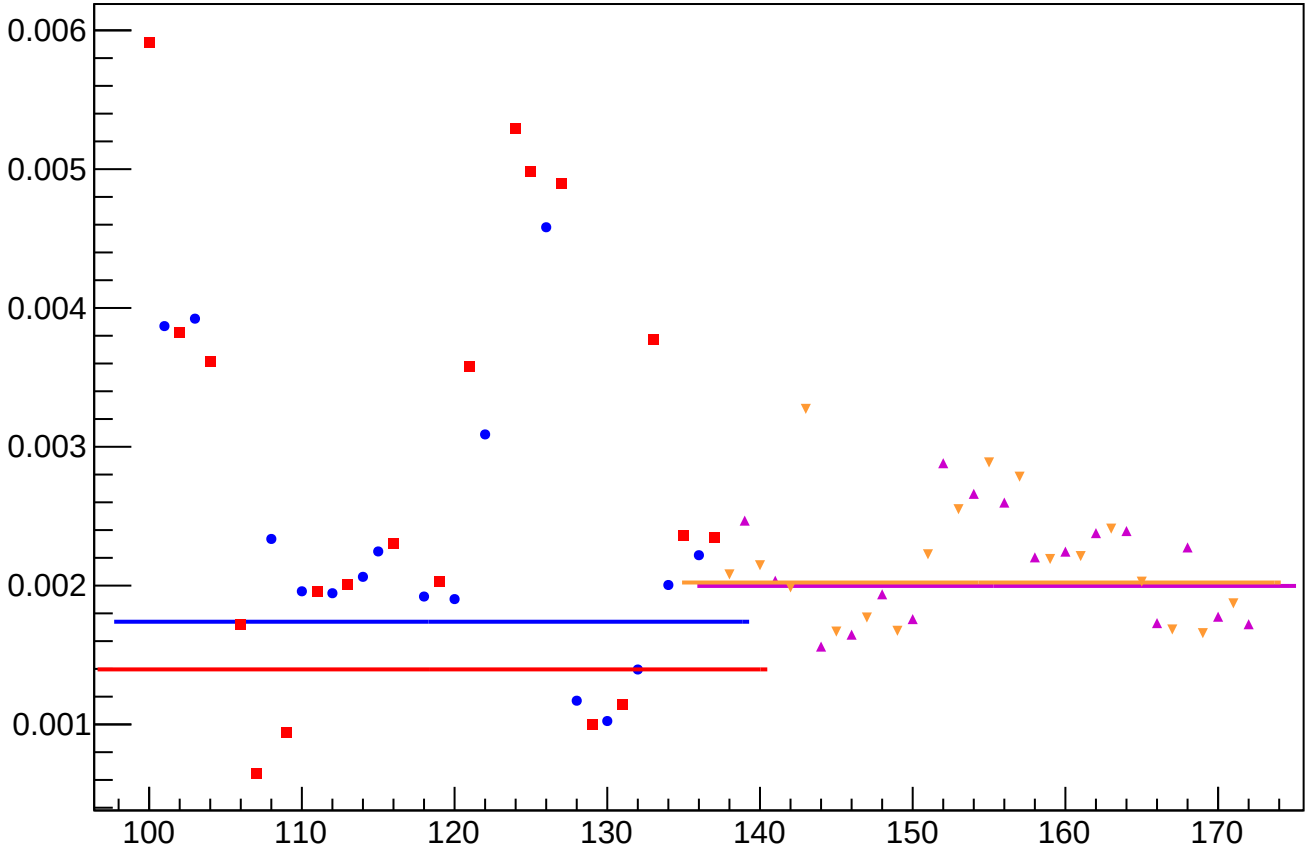
Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:27.1/32

Out: -0.000+/-0.000 χ^2/NDF:57.4/36

All: -0.000+/-0.000 χ^2/NDF: 84.5/69

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:995976.1/17

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:899316.5/16

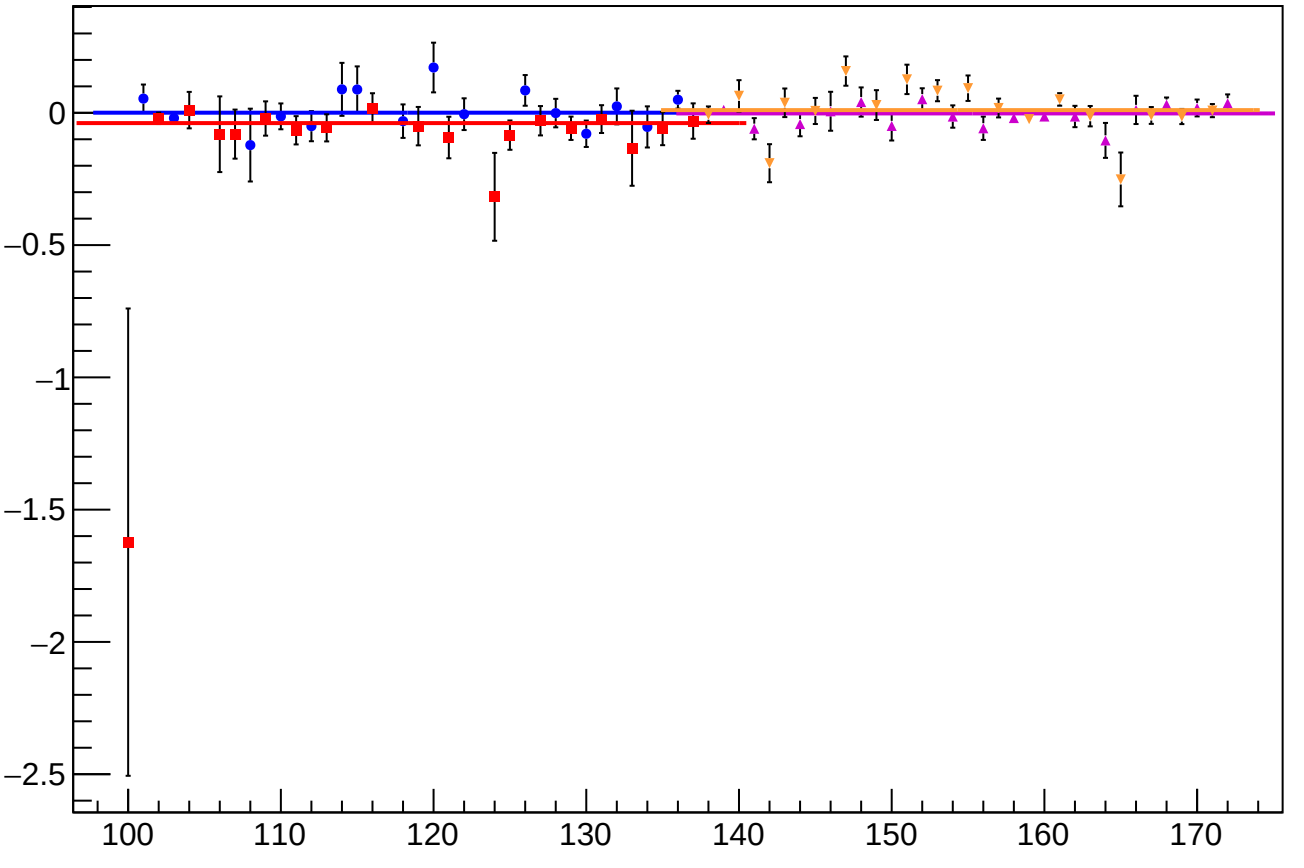
Left: 0.002+/-0.000 χ^2/NDF: 1897333.7/34

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:6480310.3/36

All: 0.002+/-0.000 χ^2/NDF: 9834687.0/69



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.010+/-0.008 χ^2/NDF:42.5/17

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: 0.003+/-0.005 χ^2/NDF: 59.6/34

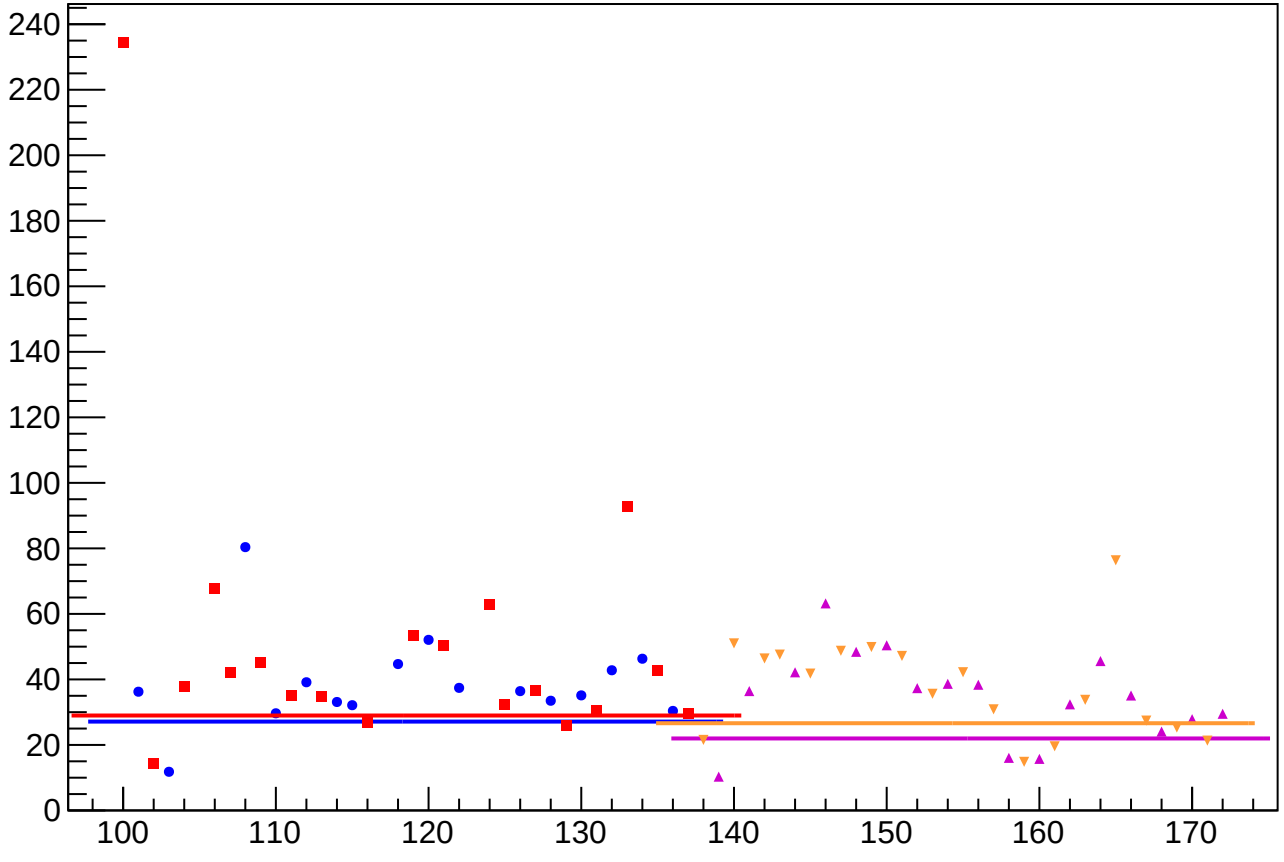
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.002+/-0.006 χ^2/NDF:32.3/32

Out: -0.004+/-0.007 χ^2/NDF:64.2/36

All: -0.003+/-0.005 χ^2/NDF: 96.6/69

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: 26.628+/-0.006 χ^2/NDF:4150684.8/17

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 21.976+/-0.005 χ^2/NDF:5786590.1/16

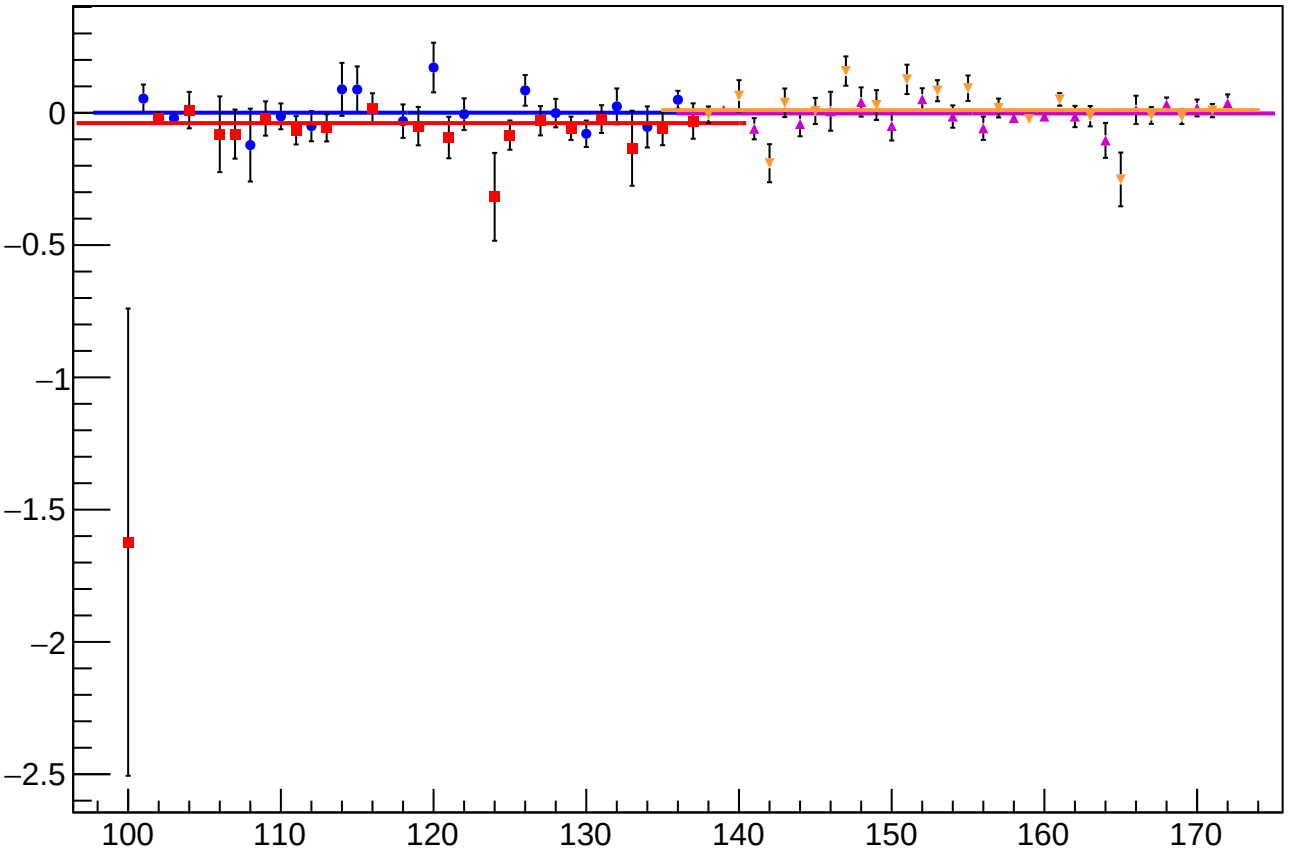
Left: 23.987+/-0.004 χ^2/NDF: 10308934.9/34

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.305+/-0.004 χ^2/NDF:8474234.5/32

Out: 27.317+/-0.005 χ^2/NDF:6655417.7/36

All: 25.087+/-0.003 χ^2/NDF: 15512323.7/69



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.010+/-0.008 χ^2/NDF:42.5/17

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: 0.003+/-0.005 χ^2/NDF: 59.6/34

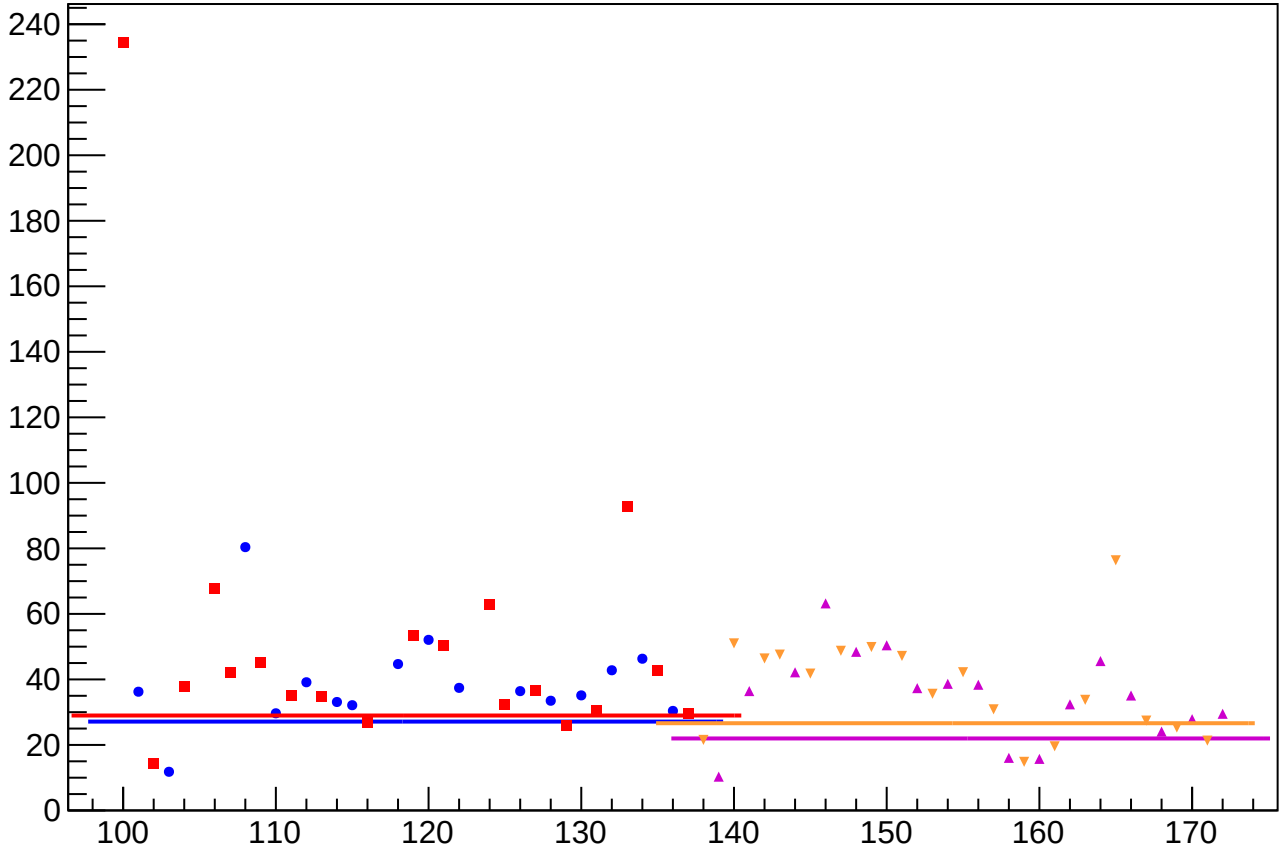
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.002+/-0.006 χ^2/NDF:32.3/32

Out: -0.004+/-0.007 χ^2/NDF:64.2/36

All: -0.003+/-0.005 χ^2/NDF: 96.6/69

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: 26.628+/-0.006 χ^2/NDF:4150684.8/17

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 21.976+/-0.005 χ^2/NDF:5786590.1/16

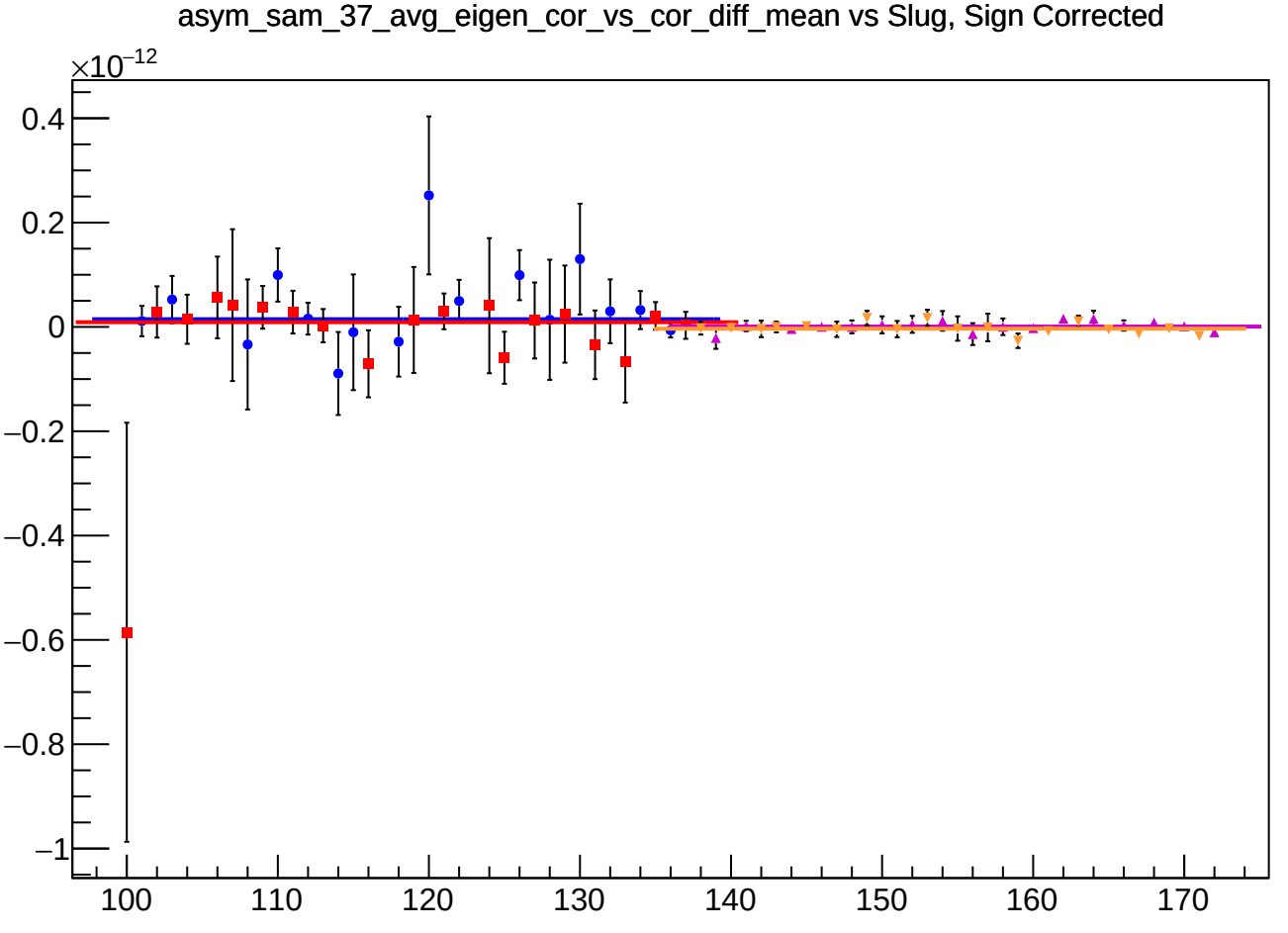
Left: 23.987+/-0.004 χ^2/NDF: 10308934.9/34

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.305+/-0.004 χ^2/NDF:8474234.5/32

Out: 27.317+/-0.005 χ^2/NDF:6655417.7/36

All: 25.087+/-0.003 χ^2/NDF: 15512323.7/69



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.3/16

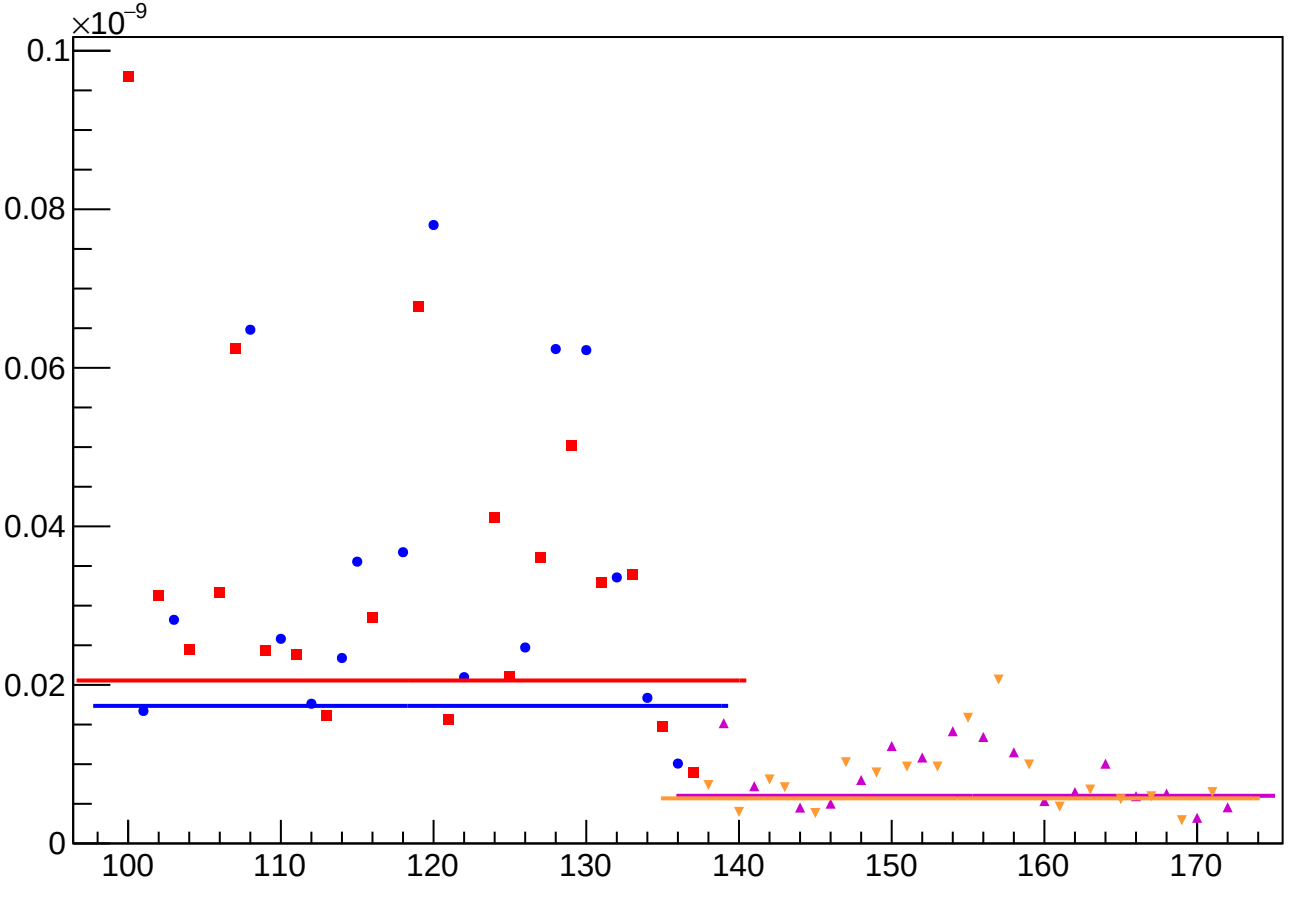
Left: -0.000+/-0.000 χ^2/NDF: 24.1/34

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:23.4/36

All: -0.000+/-0.000 χ^2/NDF: 52.7/69



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2748825.0/17

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: 5435216.7/34

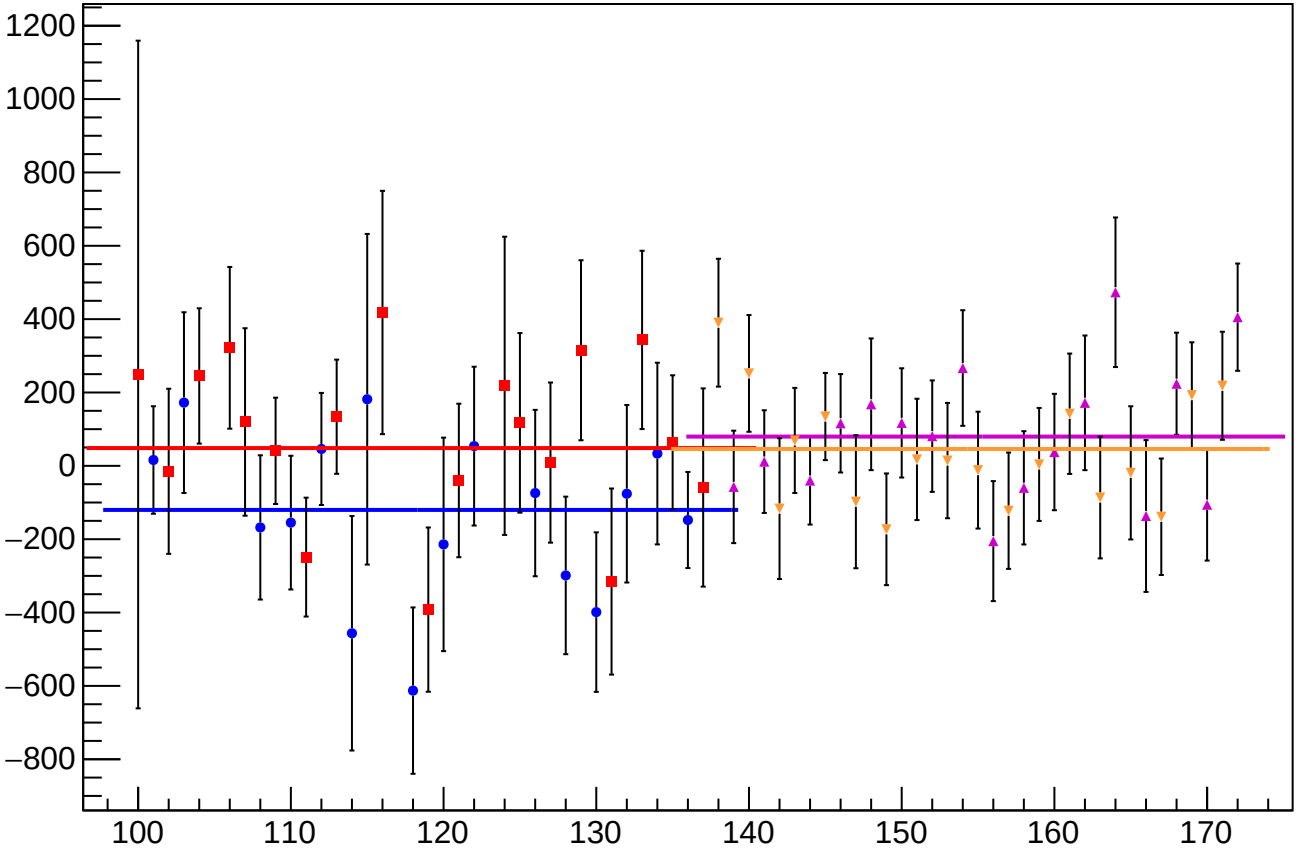
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:7816891.4/32

Out: 0.000+/-0.000 χ^2/NDF:8283419.8/36

All: 0.000+/-0.000 χ^2/NDF: 16124956.8/69

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 46.045+/-37.051 χ^2/NDF:15.8/17

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: 62.741+/-26.314 χ^2/NDF: 36.6/34

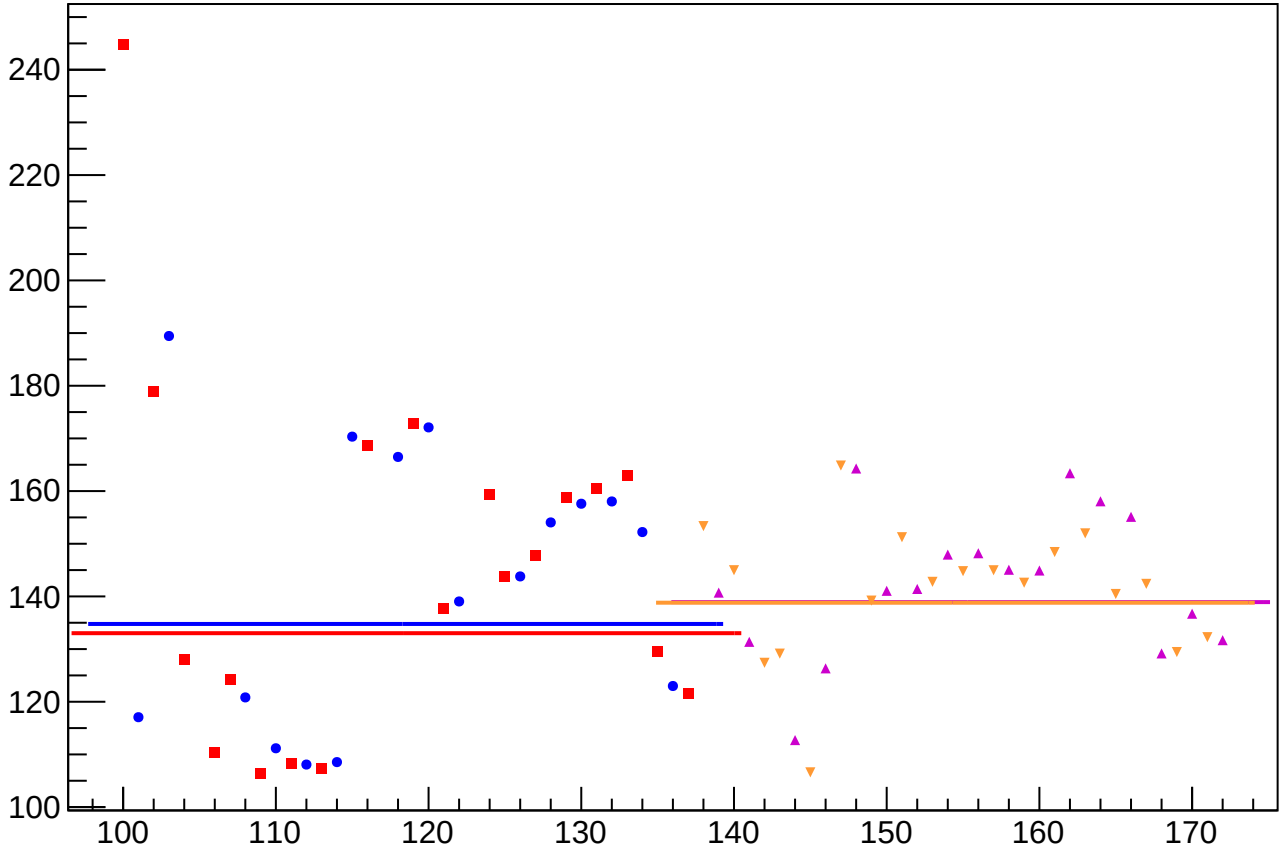
Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: 10.062+/-30.170 χ^2/NDF:43.7/32

Out: 46.899+/-29.749 χ^2/NDF:32.8/36

All: 28.739+/-21.183 χ^2/NDF: 77.3/69

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 138.809+/-0.026 χ^2/NDF:273812.1/17

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 138.921+/-0.026 χ^2/NDF:259375.4/16

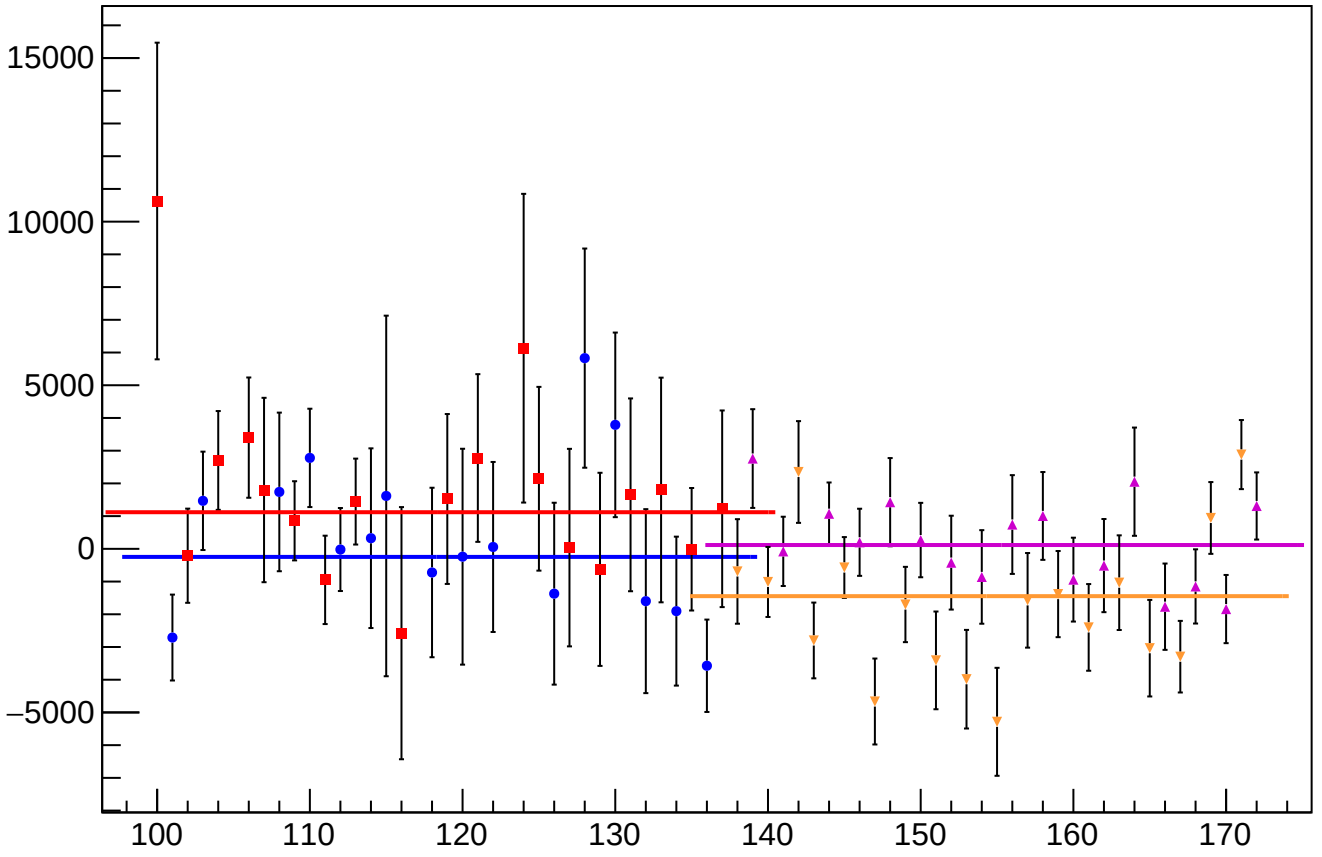
Left: 138.865+/-0.019 χ^2/NDF: 533196.5/34

Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 137.475+/-0.021 χ^2/NDF:684746.4/32

Out: 136.752+/-0.021 χ^2/NDF:786882.5/36

All: 137.108+/-0.015 χ^2/NDF: 1472210.3/69



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1446.101+/-297.486 χ^2/NDF:50.8/17

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 116.705+/-296.680 χ^2/NDF:16.7/16

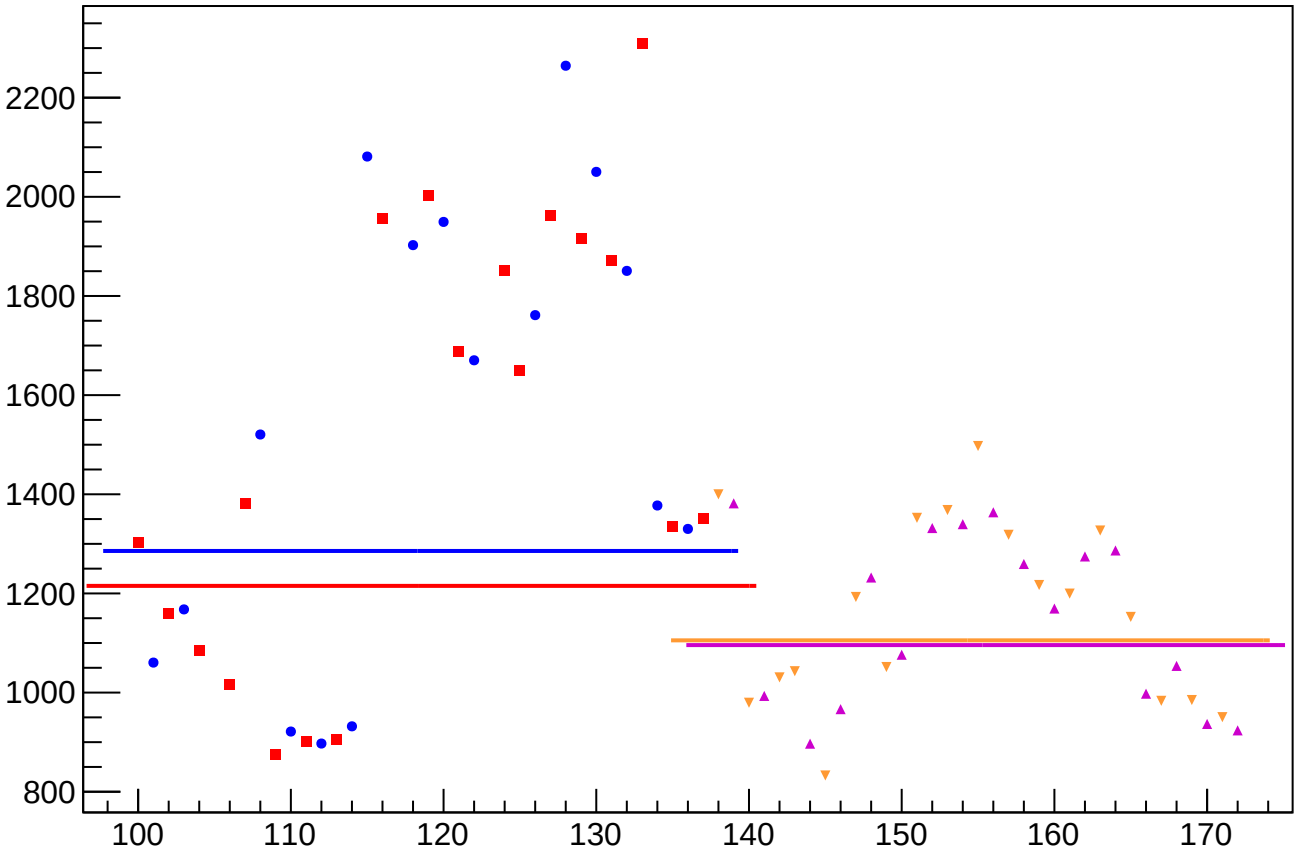
Left: -662.576+/-210.069 χ^2/NDF: 81.4/34

Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 22.559+/-255.332 χ^2/NDF:38.7/32

Out: -708.697+/-251.120 χ^2/NDF:85.6/36

All: -349.151+/-179.039 χ^2/NDF: 128.5/69



Right In: 1285.668+/-0.355 χ^2/NDF: 1170437.4/15

Left Out: 1105.358+/-0.210 χ^2/NDF:728670.2/17

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1095.800+/-0.210 χ^2/NDF:616463.8/16

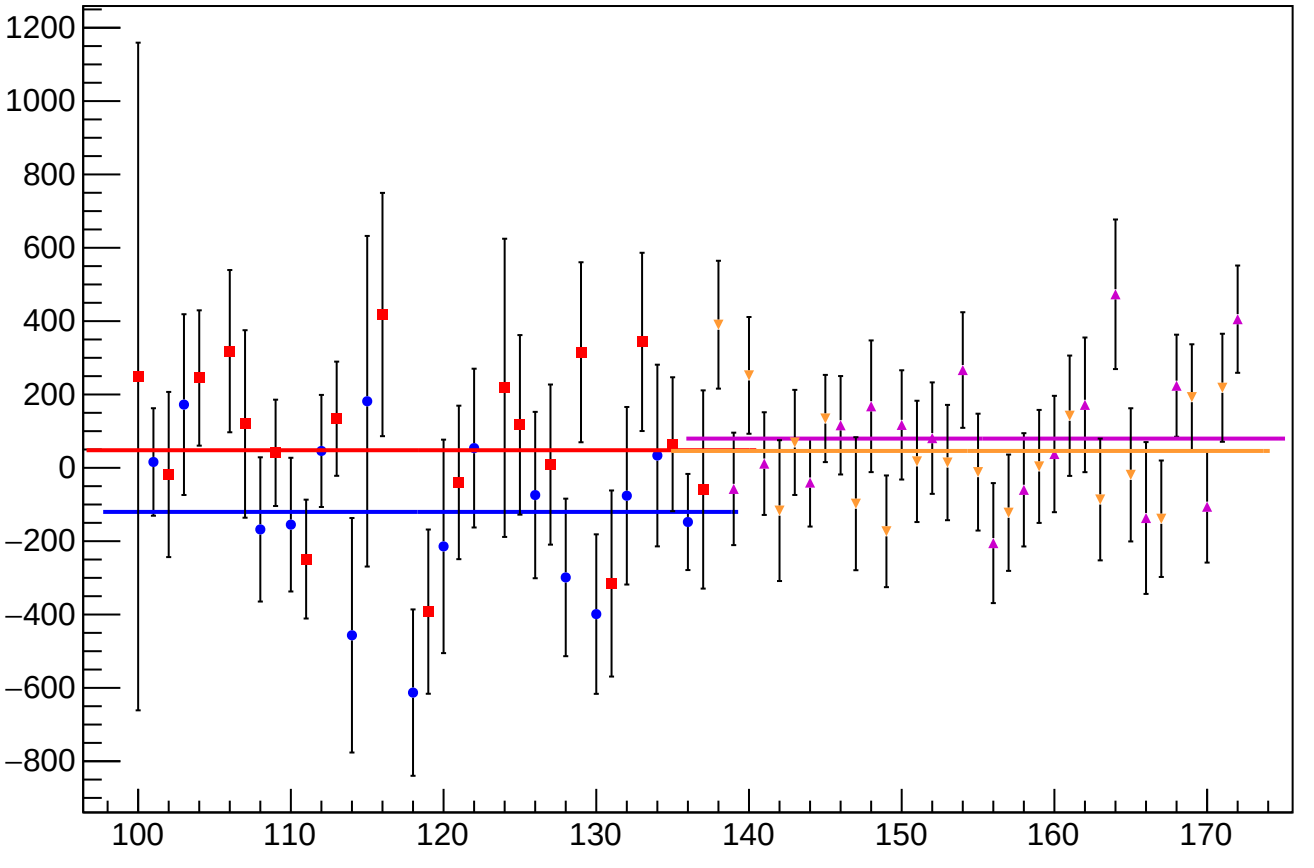
Left: 1100.566+/-0.149 χ^2/NDF: 1346169.1/34

Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1145.035+/-0.181 χ^2/NDF:1999313.0/32

Out: 1136.940+/-0.178 χ^2/NDF:2193385.8/36

All: 1140.920+/-0.127 χ^2/NDF: 4193720.5/69


cor_asym_sam_48_avg_mean vs Slug, Sign Corrected
1200
1000
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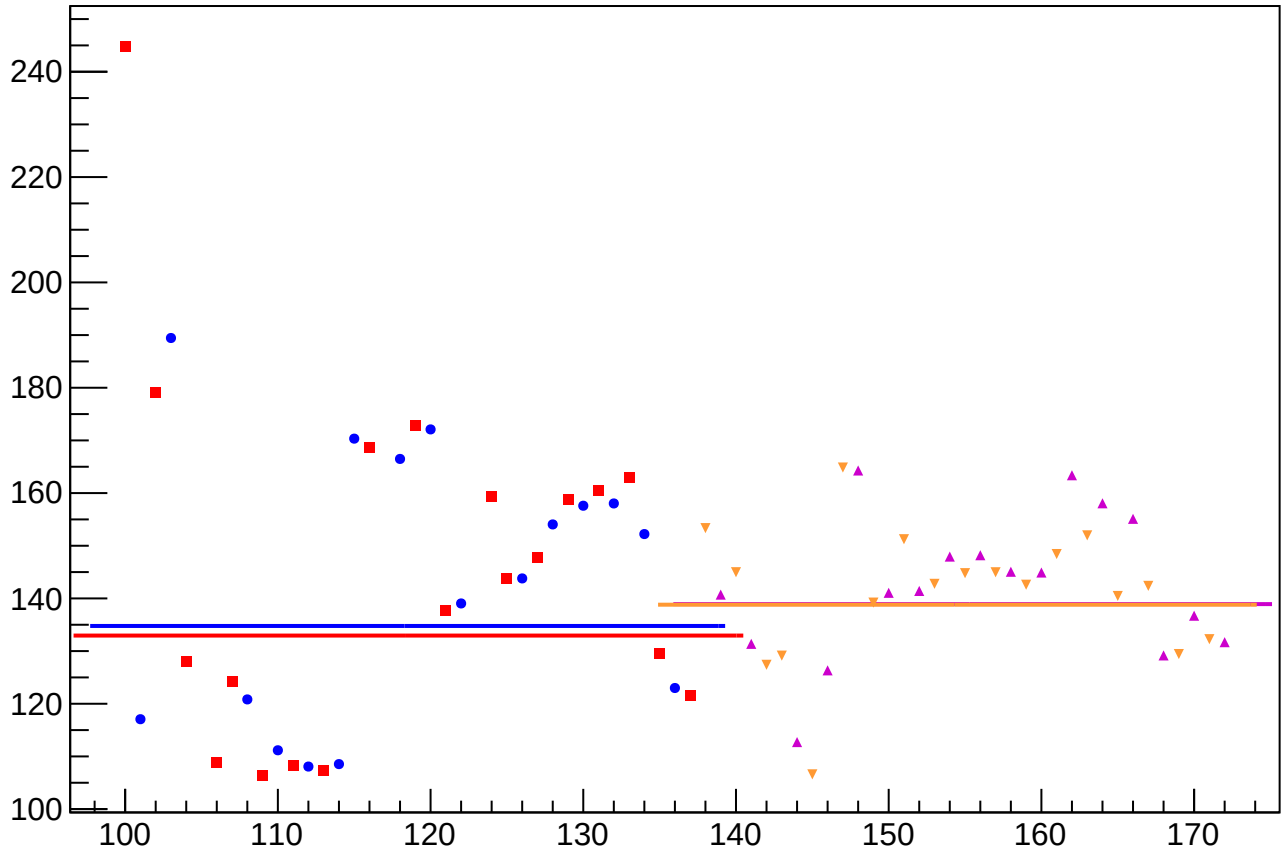
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 46.048+/-37.051 χ²/NDF:15.8/17
Right Out: 48.013+/-49.919 χ²/NDF: 17.0/18
Left In: 79.734+/-37.380 χ²/NDF:20.3/16
Left: 62.742+/-26.314 χ²/NDF: 36.6/34
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: 10.058+/-30.170 χ²/NDF:43.7/32
Out: 46.746+/-29.751 χ²/NDF:32.8/36
All: 28.659+/-21.184 χ²/NDF: 77.3/69



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 138.809+/-0.026 χ^2/NDF:273812.1/17

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 138.921+/-0.026 χ^2/NDF:259375.4/16

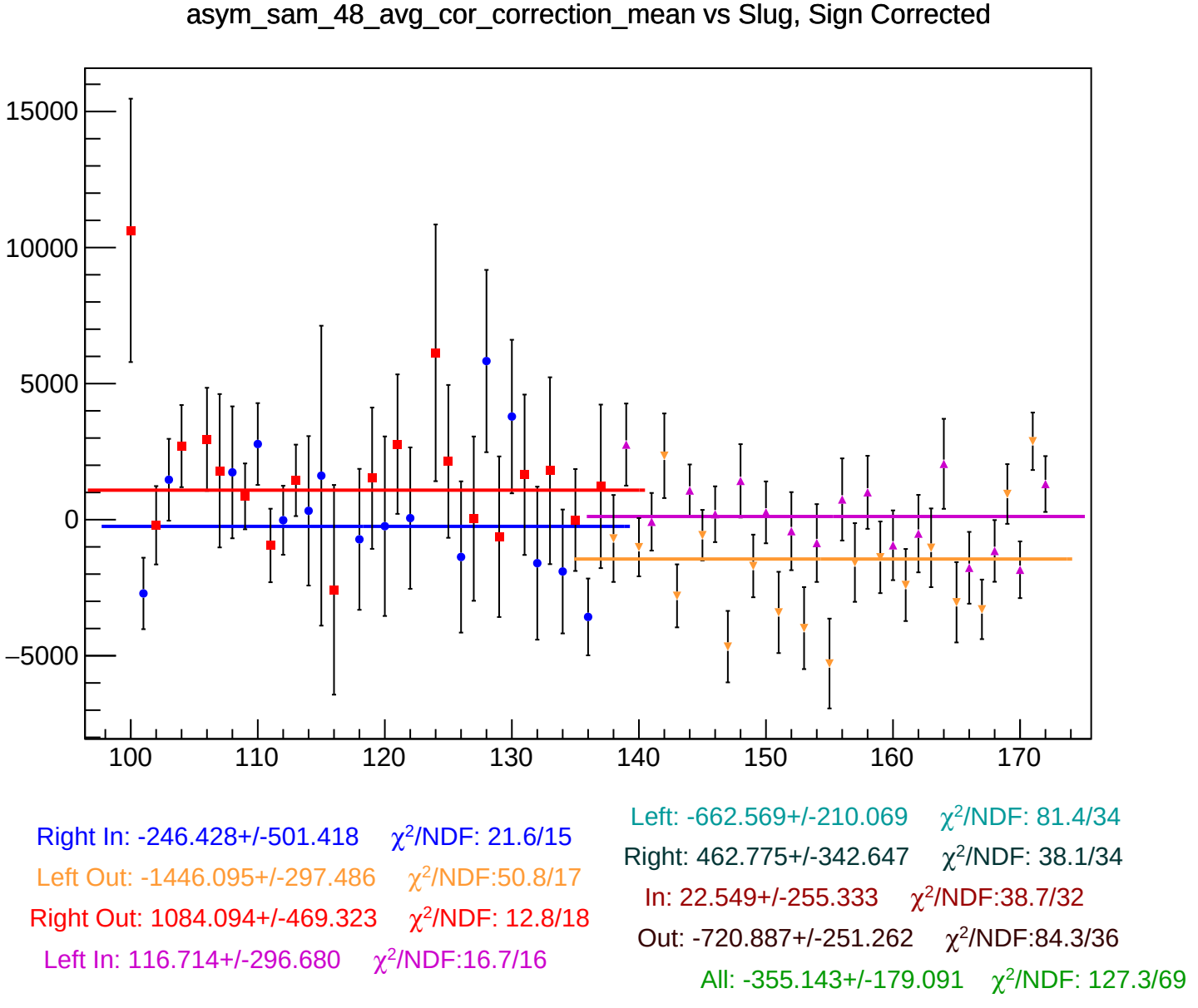
Left: 138.865+/-0.019 χ^2/NDF: 533196.5/34

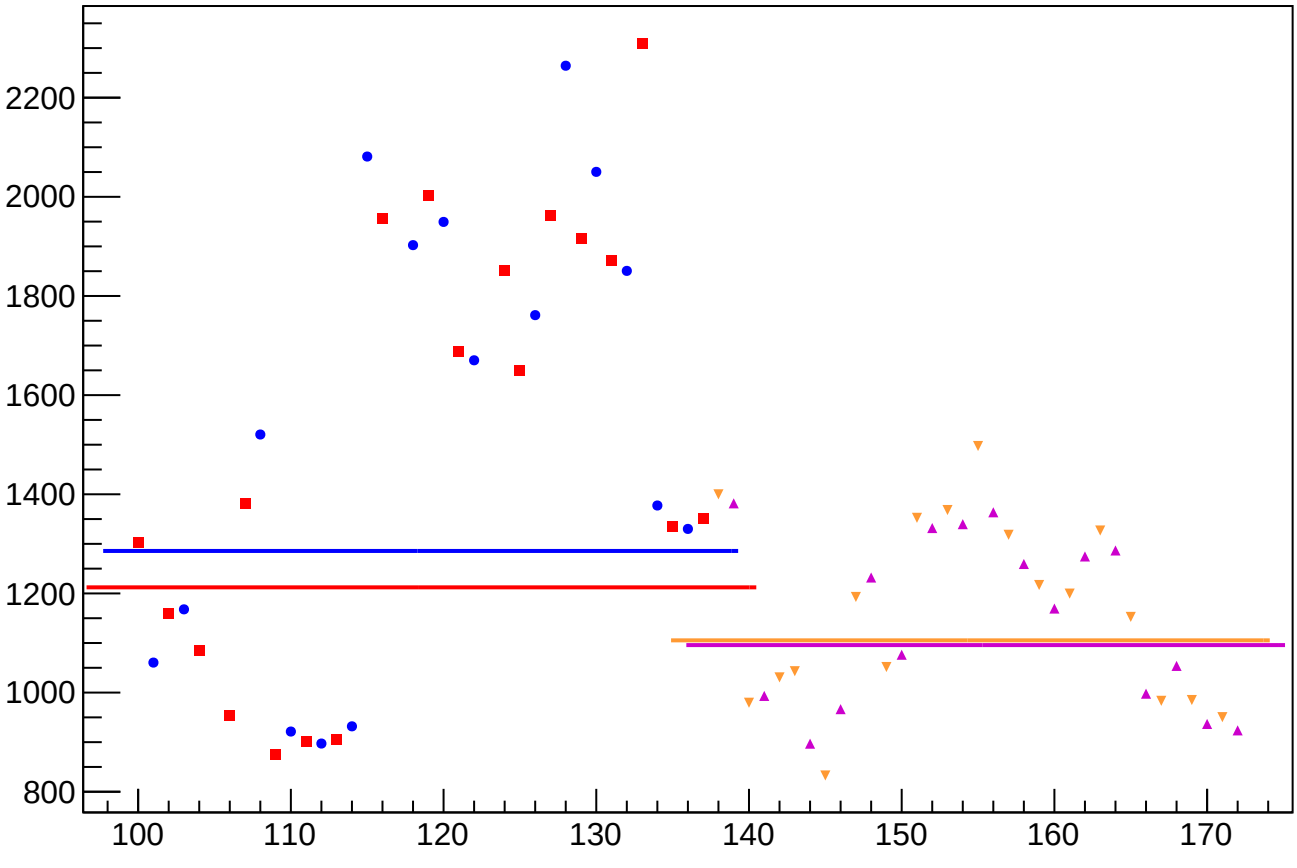
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 137.475+/-0.021 χ^2/NDF:684749.4/32

Out: 136.727+/-0.021 χ^2/NDF:790448.4/36

All: 137.096+/-0.015 χ^2/NDF: 1475820.5/69


asym_sam_48_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
Right In: -246.428+/-501.418 χ²/NDF: 21.6/15
Left Out: -1446.095+/-297.486 χ²/NDF:50.8/17
Right Out: 1084.094+/-469.323 χ²/NDF: 12.8/18
Left In: 116.714+/-296.680 χ²/NDF:16.7/16
Left: -662.569+/-210.069 χ²/NDF: 81.4/34
Right: 462.775+/-342.647 χ²/NDF: 38.1/34
In: 22.549+/-255.333 χ²/NDF:38.7/32
Out: -720.887+/-251.262 χ²/NDF:84.3/36
All: -355.143+/-179.091 χ²/NDF: 127.3/69



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1105.358+/-0.210 χ^2/NDF:728672.4/17

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1095.800+/-0.210 χ^2/NDF:616463.0/16

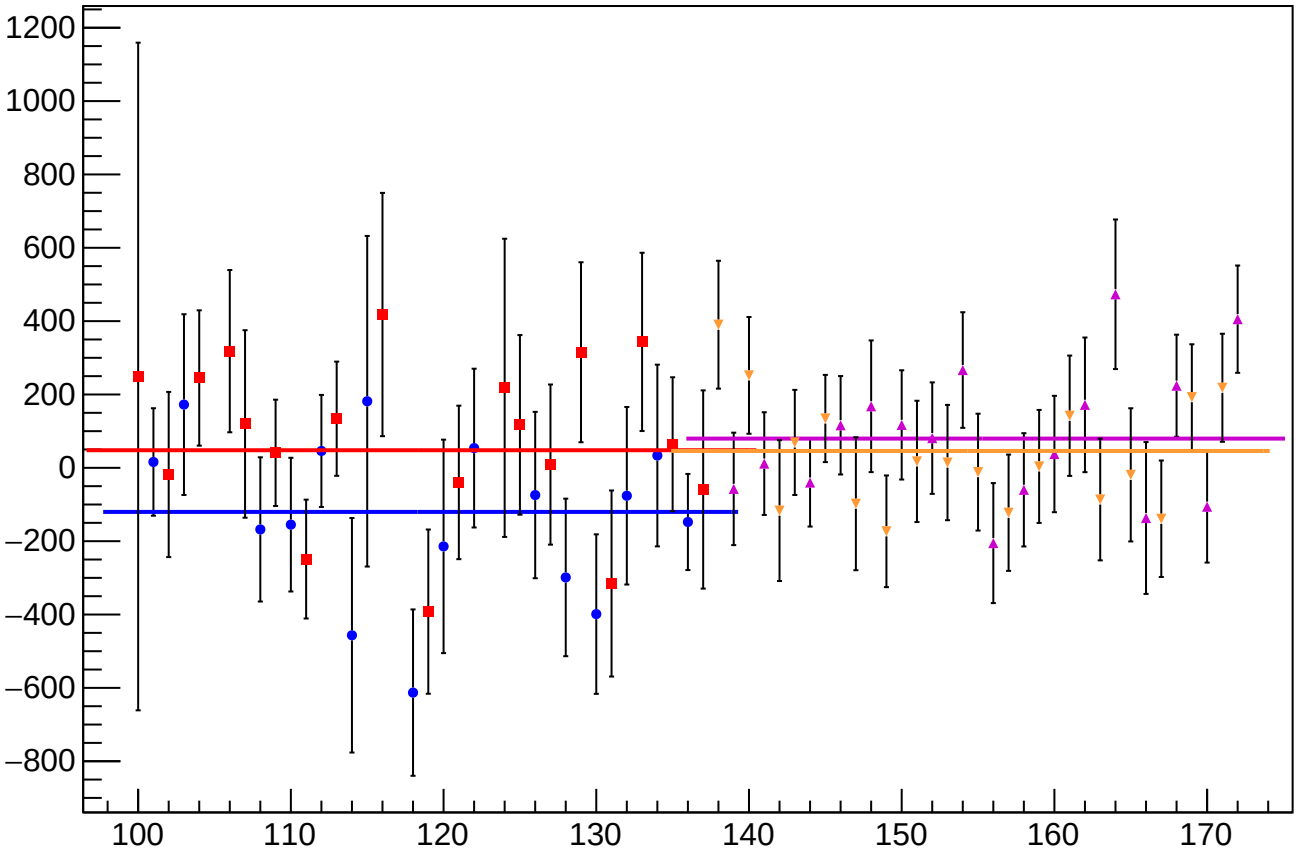
Left: 1100.566+/-0.149 χ^2/NDF: 1346170.4/34

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1145.038+/-0.181 χ^2/NDF:1999314.4/32

Out: 1136.003+/-0.178 χ^2/NDF:2203354.6/36

All: 1140.448+/-0.127 χ^2/NDF: 4203941.2/69


eigen_cor_asym_sam_48_avg_mean vs Slug, Sign Corrected
1200
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−800
100
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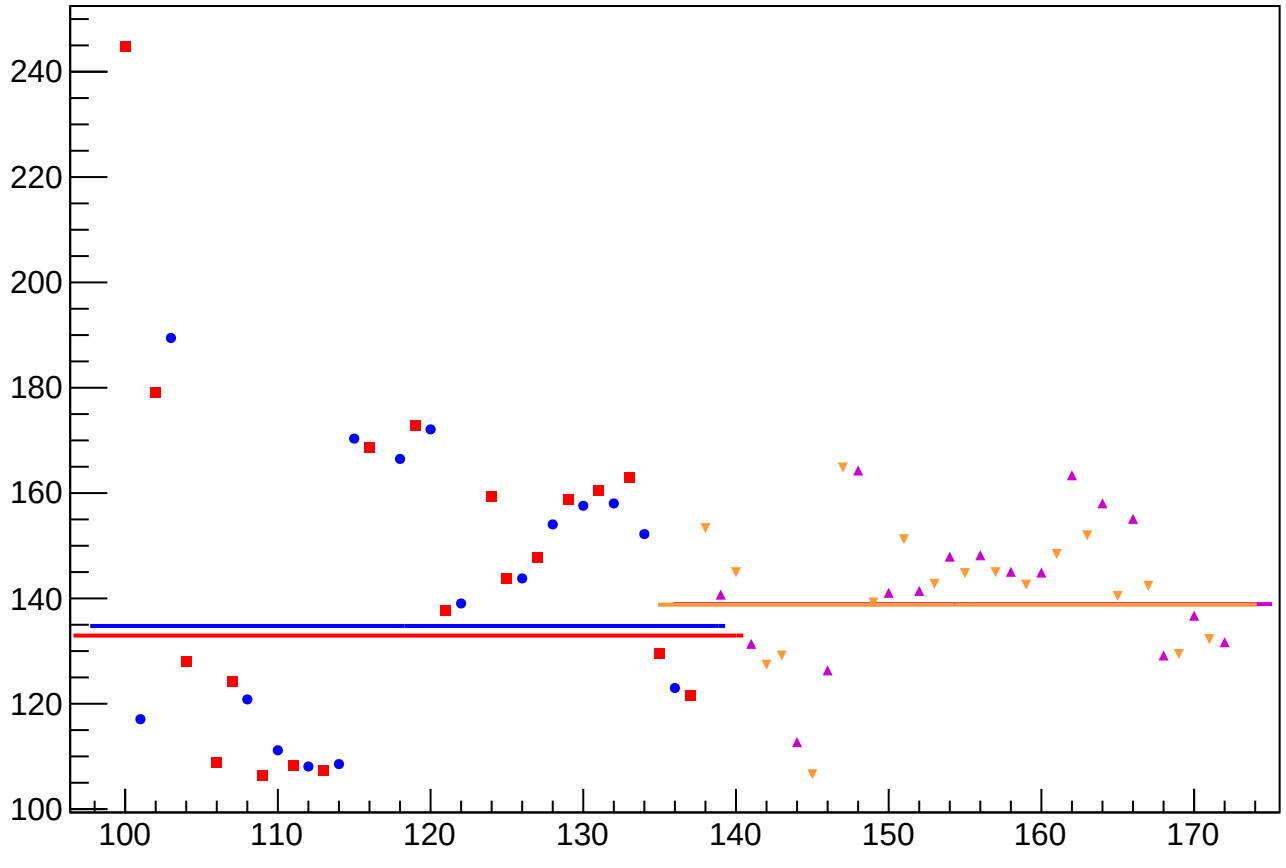
120
130
140
150
160
170
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 46.048+/-37.051 χ²/NDF:15.8/17
Right Out: 48.013+/-49.919 χ²/NDF: 17.0/18
Left In: 79.734+/-37.380 χ²/NDF:20.3/16
Left: 62.742+/-26.314 χ²/NDF: 36.6/34
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: 10.058+/-30.170 χ²/NDF:43.7/32
Out: 46.746+/-29.751 χ²/NDF:32.8/36
All: 28.659+/-21.184 χ²/NDF: 77.3/69



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 138.809+/-0.026 χ^2/NDF:273812.1/17

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: 138.865+/-0.019 χ^2/NDF: 533196.5/34

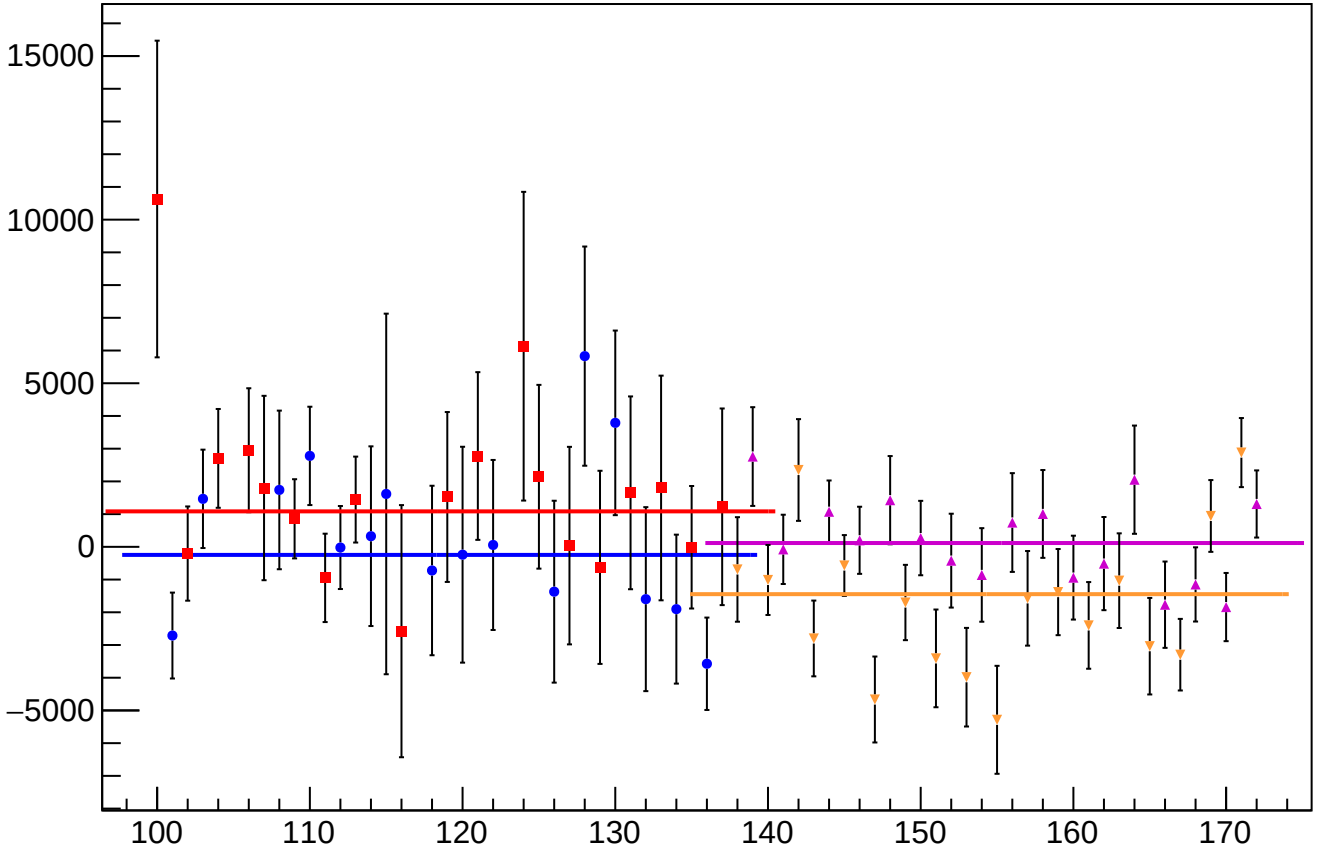
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 137.475+/-0.021 χ^2/NDF:684749.4/32

Out: 136.727+/-0.021 χ^2/NDF:790448.4/36

All: 137.096+/-0.015 χ^2/NDF: 1475820.5/69

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: -1446.095+/-297.486 χ^2/NDF:50.8/17

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 116.714+/-296.680 χ^2/NDF:16.7/16

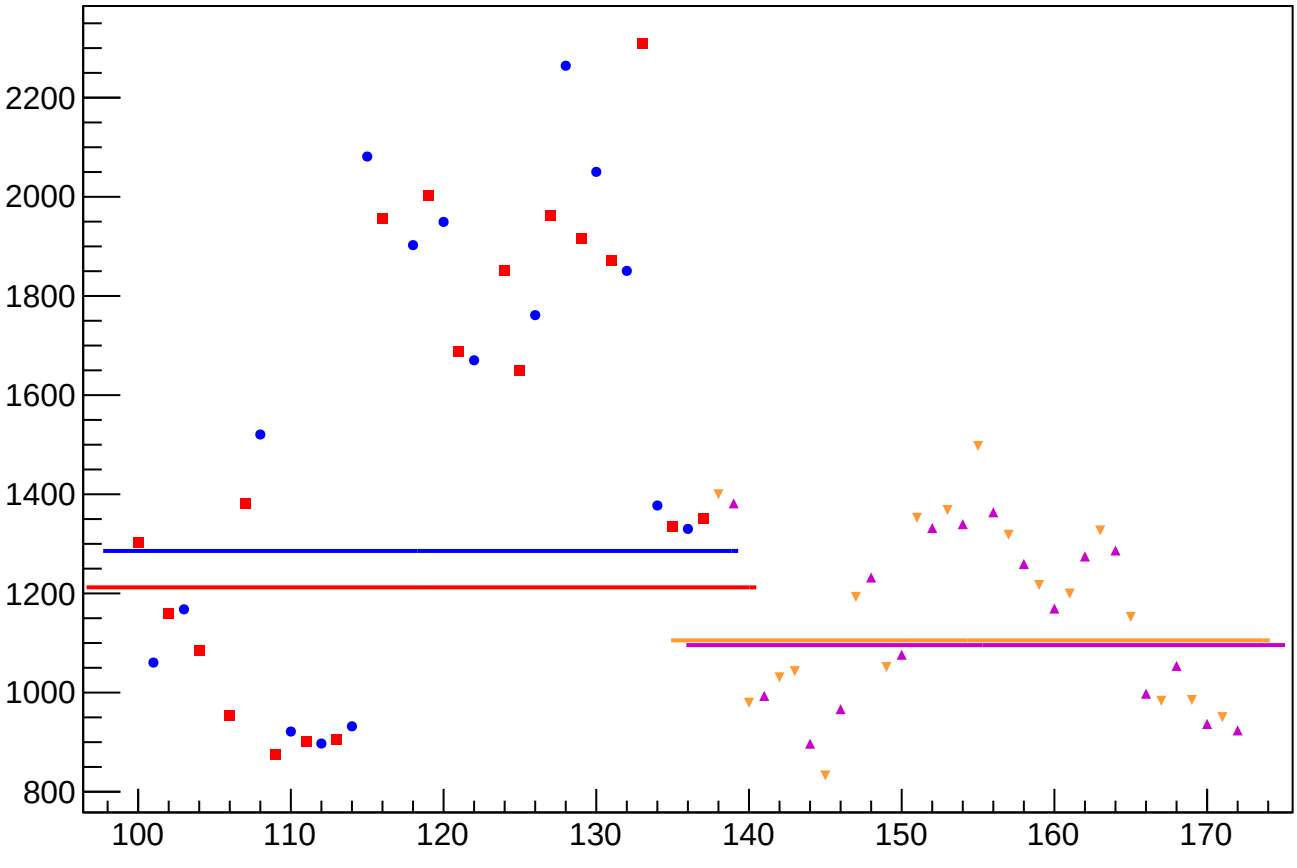
Left: -662.569+/-210.069 χ^2/NDF: 81.4/34

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 22.549+/-255.333 χ^2/NDF:38.7/32

Out: -720.887+/-251.262 χ^2/NDF:84.3/36

All: -355.143+/-179.091 χ^2/NDF: 127.3/69



Right In: 1285.682+/-0.355 χ^2/NDF: 1170412.5/15

Left Out: 1105.358+/-0.210 χ^2/NDF:728672.4/17

Right Out: 1212.276+/-0.332 χ^2/NDF: 1400635.5/18

Left In: 1095.800+/-0.210 χ^2/NDF:616463.0/16

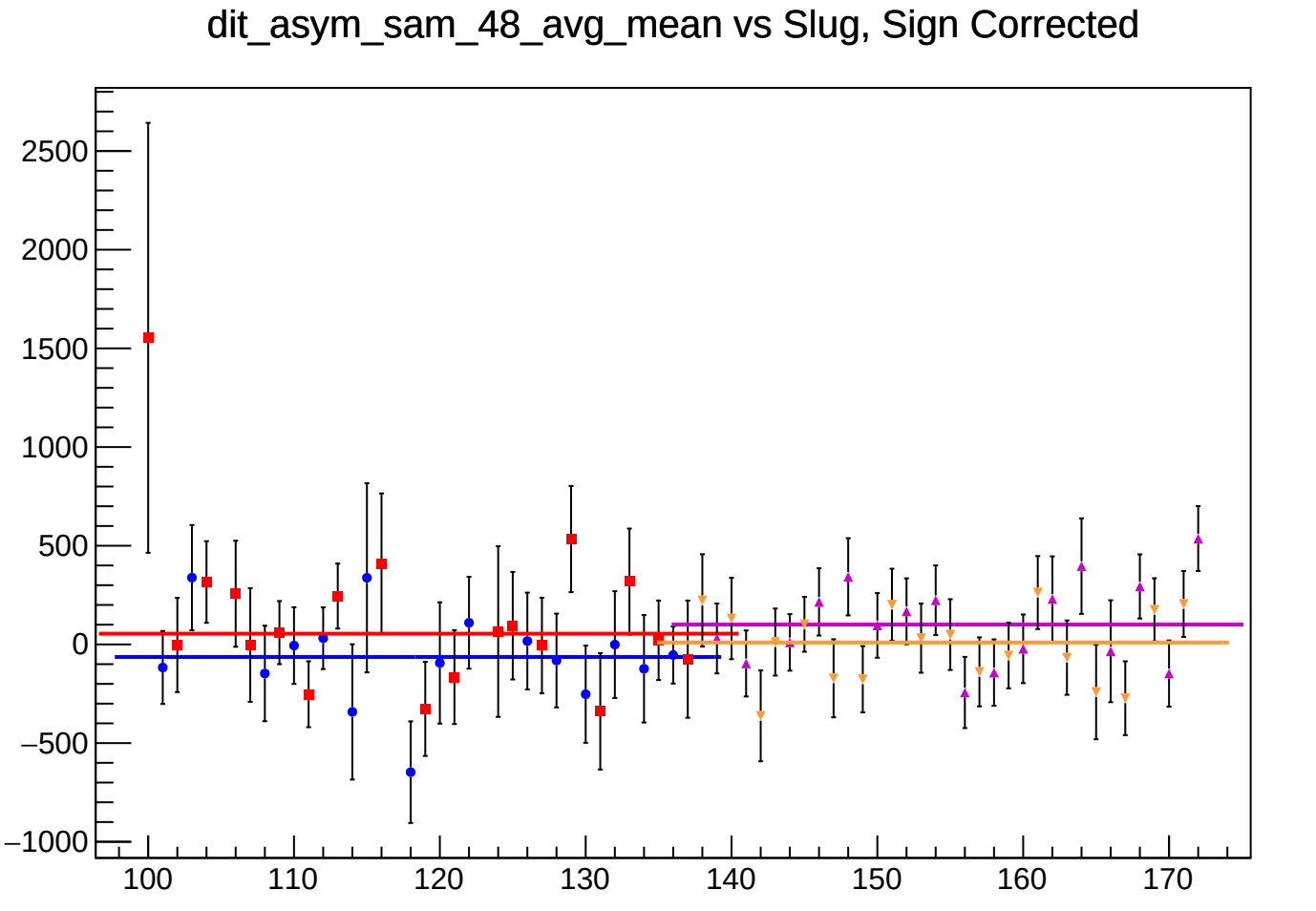
Left: 1100.566+/-0.149 χ^2/NDF: 1346170.4/34

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1145.038+/-0.181 χ^2/NDF:1999314.4/32

Out: 1136.003+/-0.178 χ^2/NDF:2203354.6/36

All: 1140.448+/-0.127 χ^2/NDF: 4203941.2/69



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 9.868+/-42.677 χ^2/NDF:16.2/17

Right Out: 54.305+/-54.743 χ^2/NDF: 19.5/18

Left In: 100.528+/-42.820 χ^2/NDF:23.6/16

Left: 55.046+/-30.228 χ^2/NDF: 42.0/34

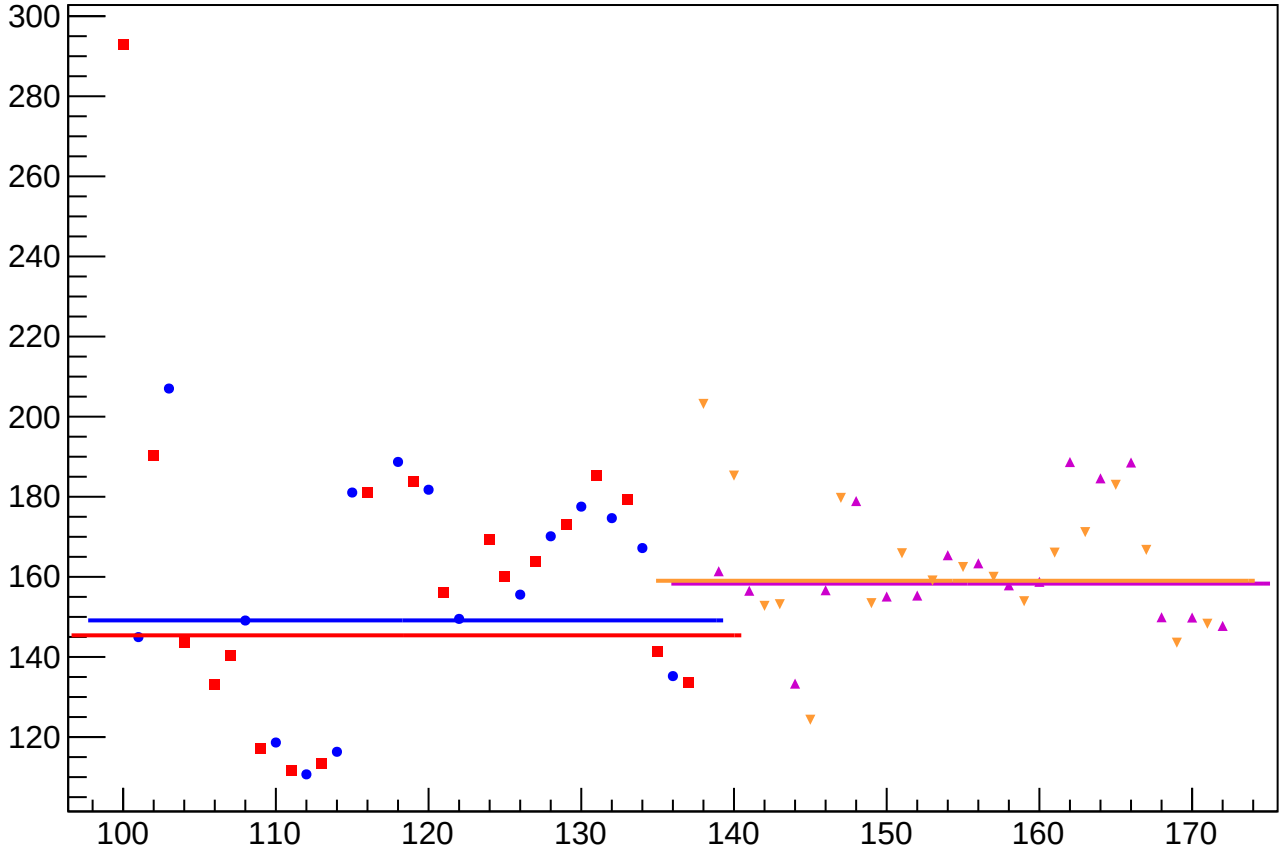
Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: 40.896+/-34.178 χ^2/NDF:39.7/32

Out: 26.666+/-33.657 χ^2/NDF:36.1/36

All: 33.672+/-23.981 χ^2/NDF: 76.0/69

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 159.026+/-0.030 χ^2/NDF:323234.6/17

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 158.315+/-0.030 χ^2/NDF:199467.3/16

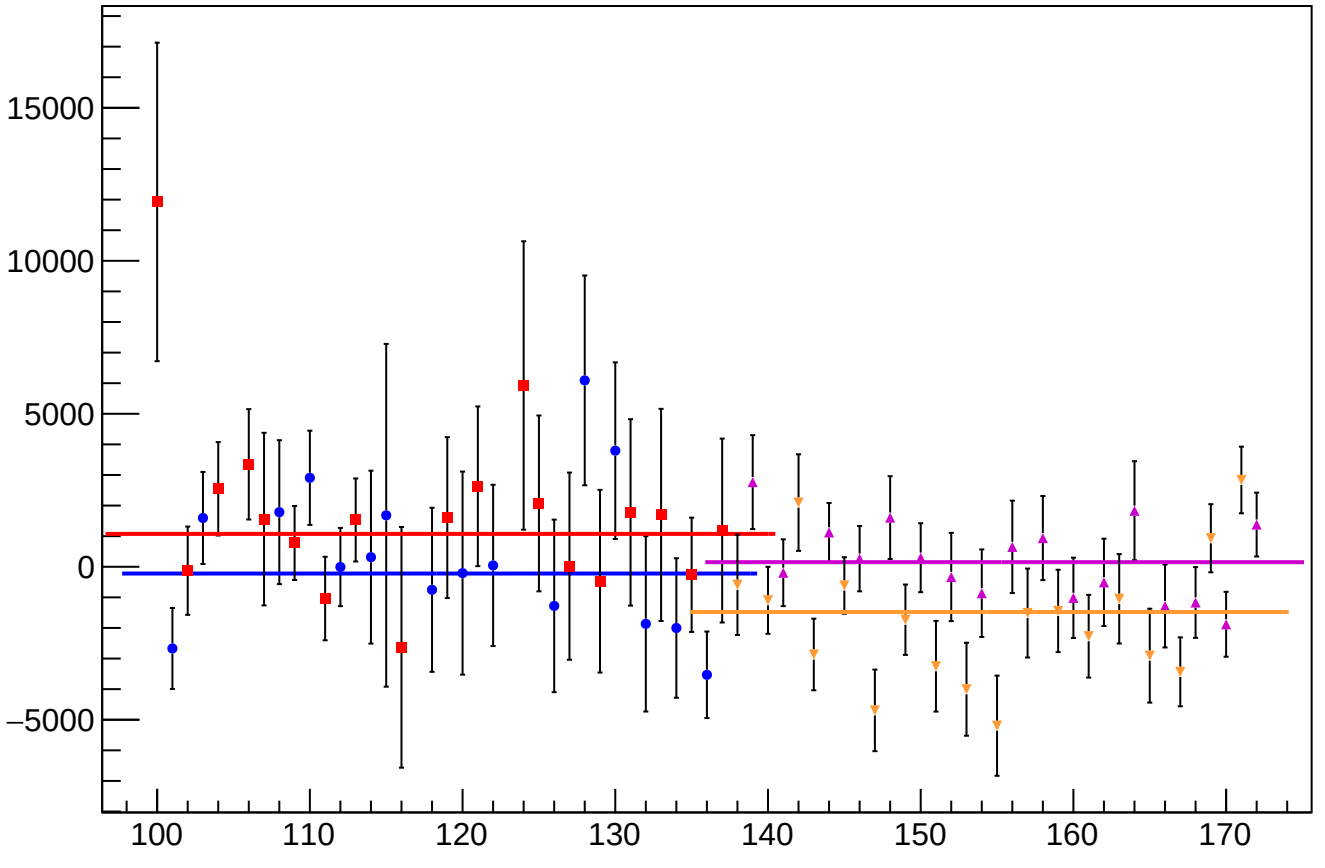
Left: 158.672+/-0.021 χ^2/NDF: 522978.8/34

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 154.982+/-0.024 χ^2/NDF:683864.8/32

Out: 153.875+/-0.024 χ^2/NDF:926139.9/36

All: 154.420+/-0.017 χ^2/NDF: 1611068.9/69



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1477.613+/-301.578 χ^2/NDF:47.8/17

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 149.857+/-300.892 χ^2/NDF:15.8/16

Left: -662.026+/-213.005 χ^2/NDF: 78.2/34

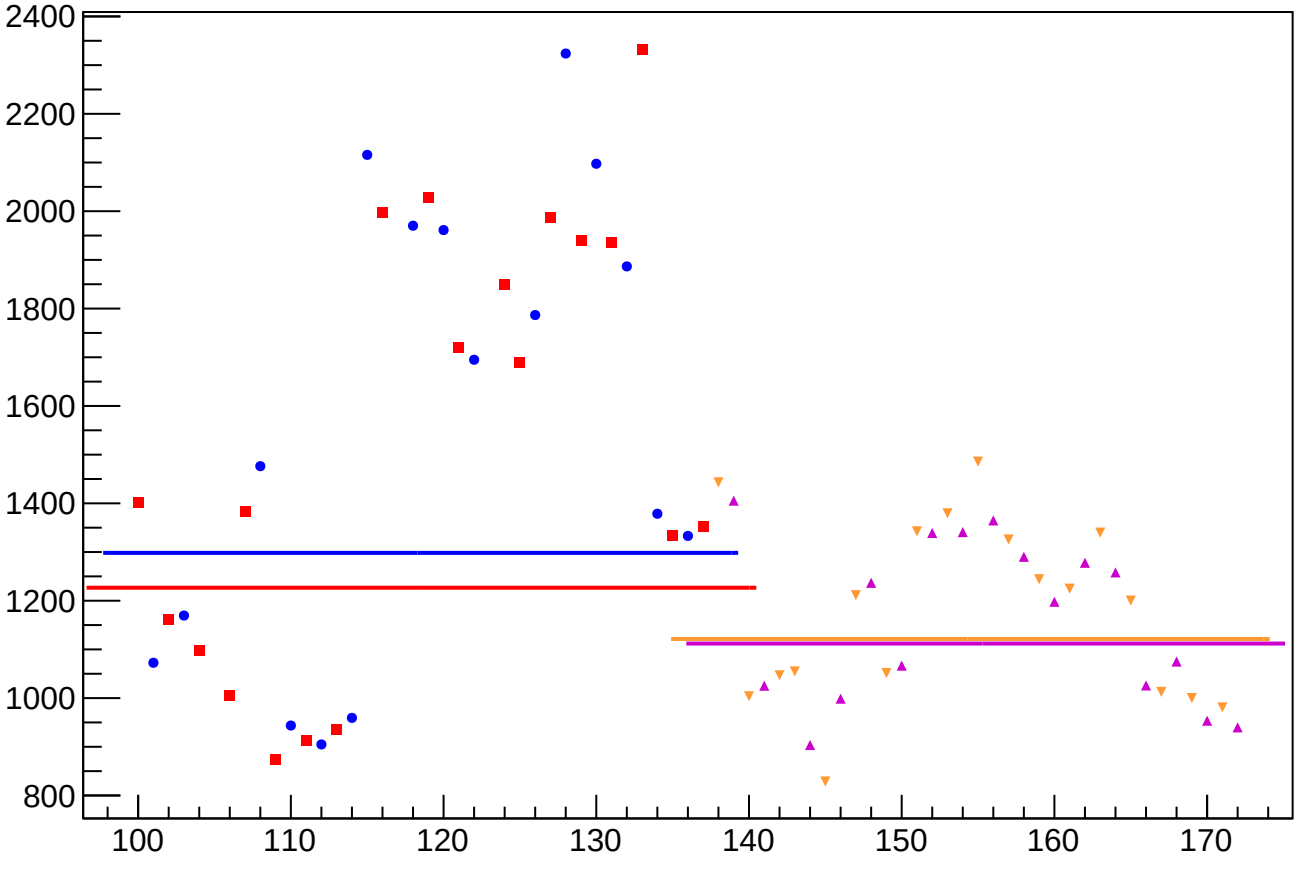
Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 52.971+/-258.649 χ^2/NDF:38.1/32

Out: -739.605+/-254.260 χ^2/NDF:82.1/36

All: -350.097+/-181.321 χ^2/NDF: 124.9/69

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: 1121.406+/-0.213 χ^2/NDF:723351.2/17

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1112.024+/-0.213 χ^2/NDF:573817.0/16

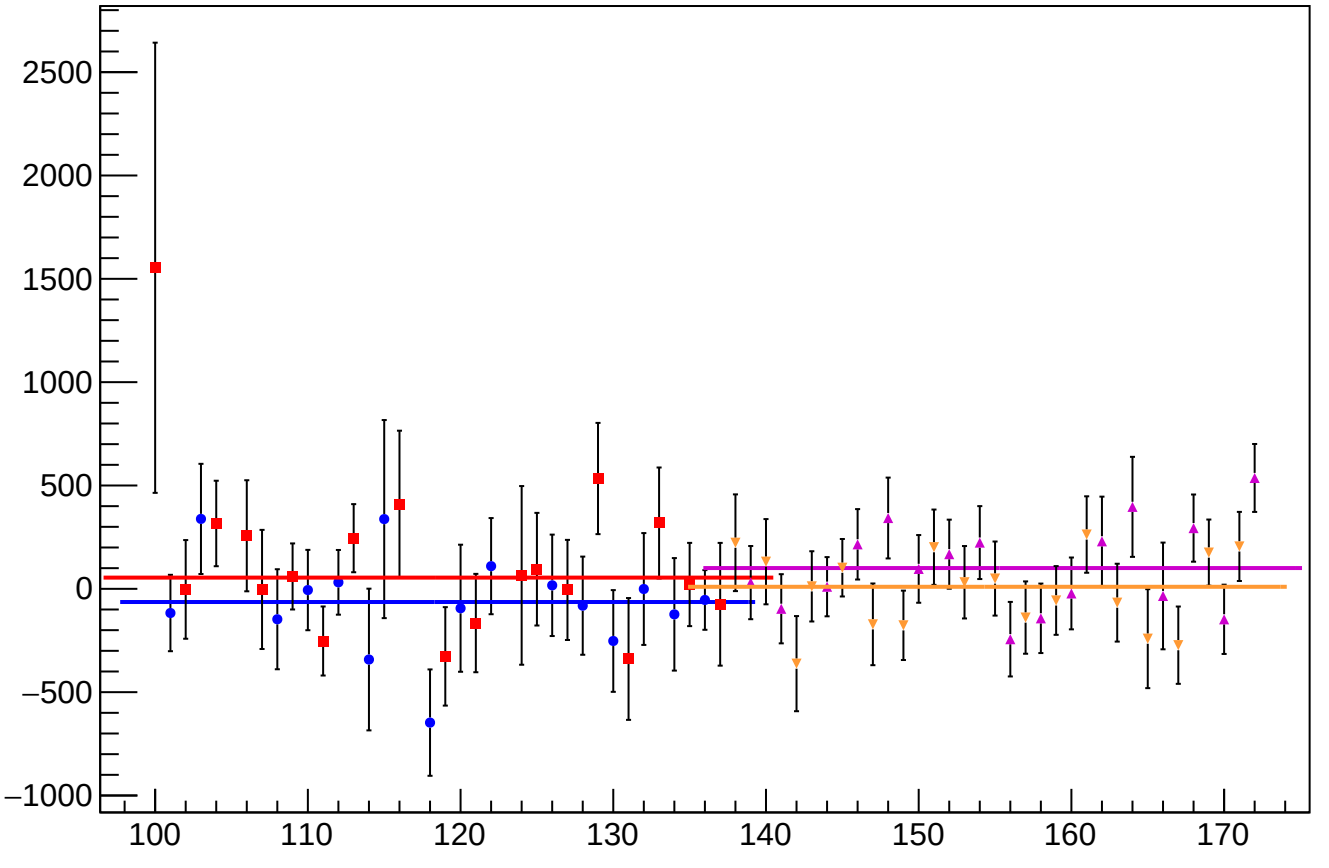
Left: 1116.704+/-0.151 χ^2/NDF: 1298138.0/34

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1160.655+/-0.183 χ^2/NDF:1956046.4/32

Out: 1151.863+/-0.180 χ^2/NDF:2198415.1/36

All: 1156.184+/-0.128 χ^2/NDF: 4155636.8/69



Right In: -63.778+/-56.734 χ^2/NDF: 10.8/15

Left Out: 9.871+/-42.677 χ^2/NDF:16.2/17

Right Out: 54.304+/-54.743 χ^2/NDF: 19.5/18

Left In: 100.528+/-42.820 χ^2/NDF:23.6/16

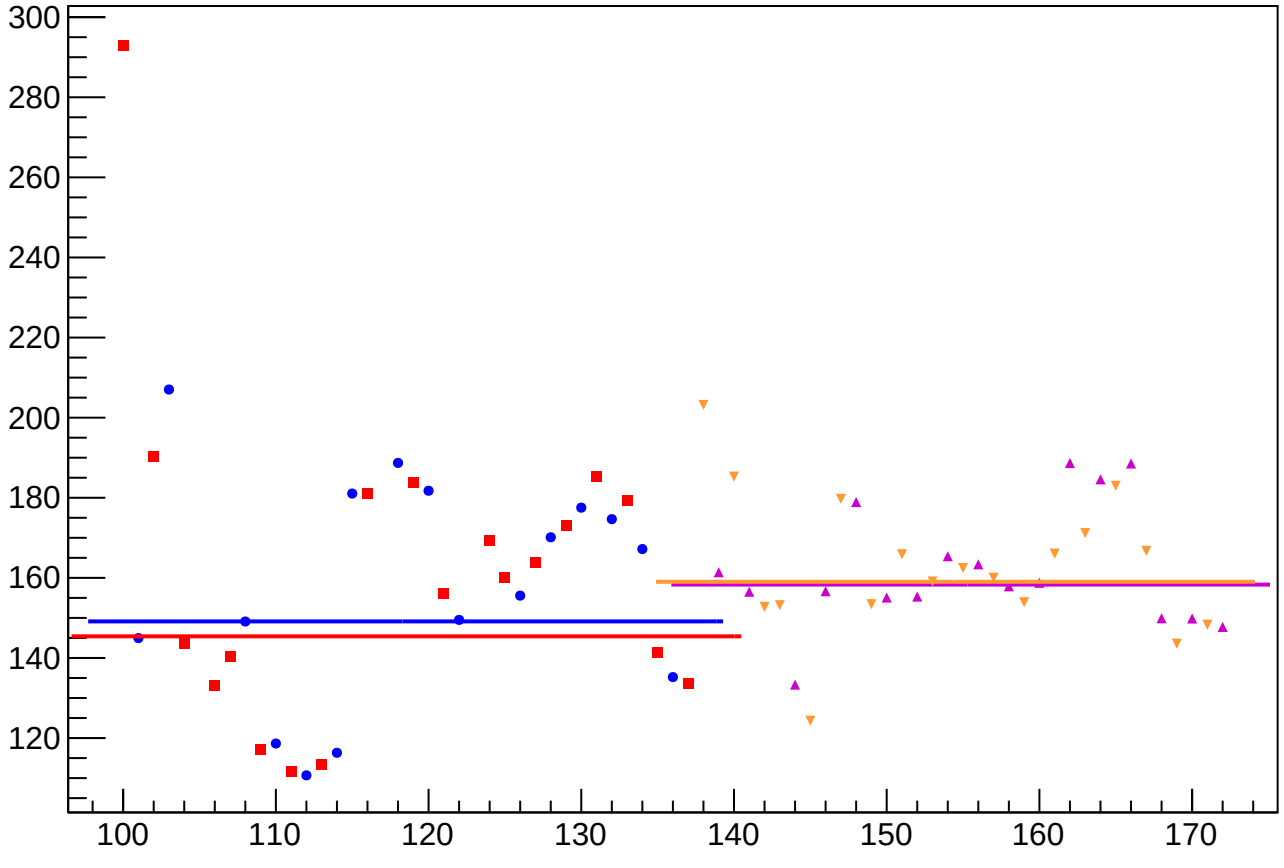
Left: 55.047+/-30.228 χ^2/NDF: 42.0/34

Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: 40.898+/-34.178 χ^2/NDF:39.7/32

Out: 26.667+/-33.657 χ^2/NDF:36.1/36

All: 33.673+/-23.981 χ^2/NDF: 76.0/69



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 159.027+/-0.030 χ^2/NDF:323229.7/17

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 158.315+/-0.030 χ^2/NDF:199466.1/16

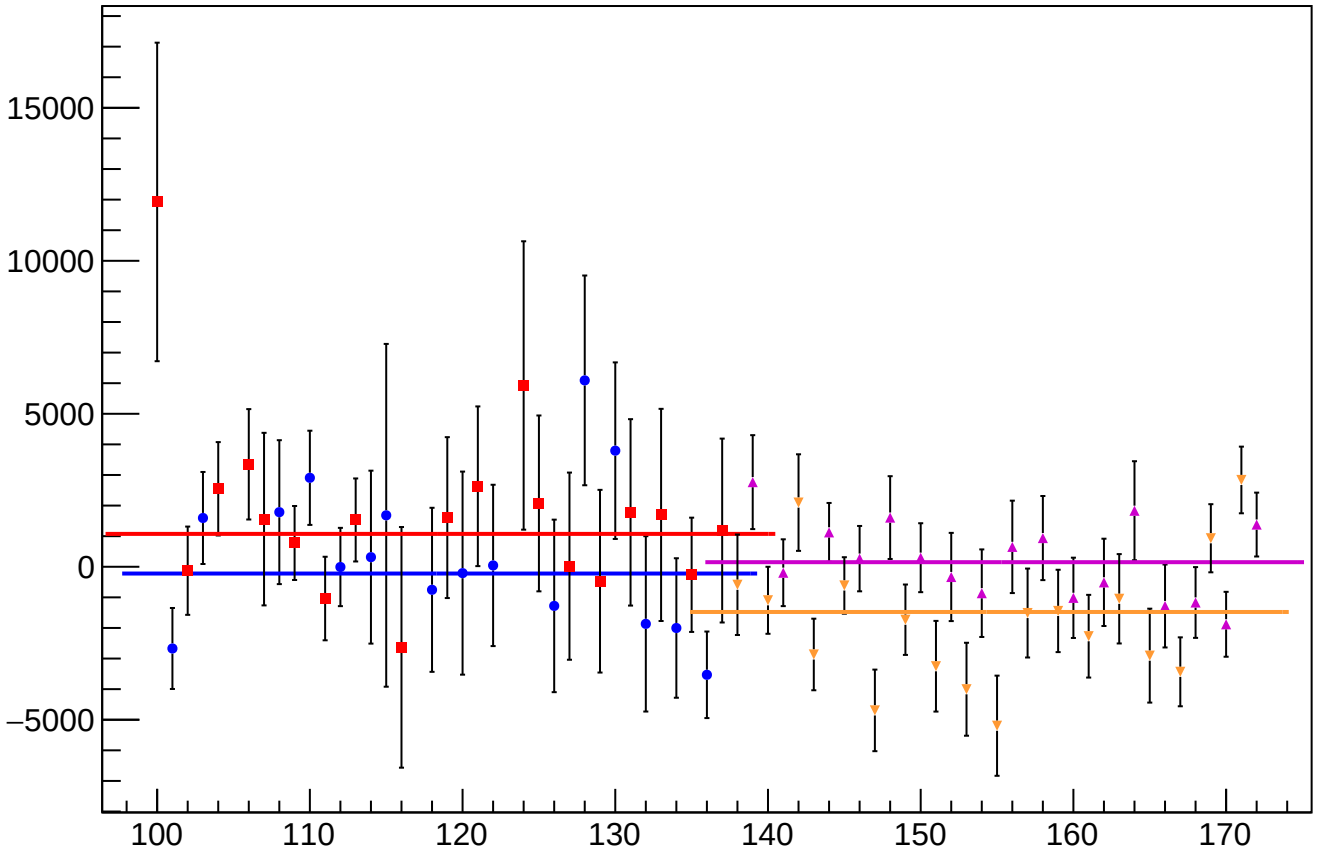
Left: 158.672+/-0.021 χ^2/NDF: 522972.8/34

Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 154.982+/-0.024 χ^2/NDF:683867.2/32

Out: 153.875+/-0.024 χ^2/NDF:926141.4/36

All: 154.420+/-0.017 χ^2/NDF: 1611072.9/69



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1477.610+/-301.578 χ^2/NDF:47.8/17

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: -662.026+/-213.005 χ^2/NDF: 78.2/34

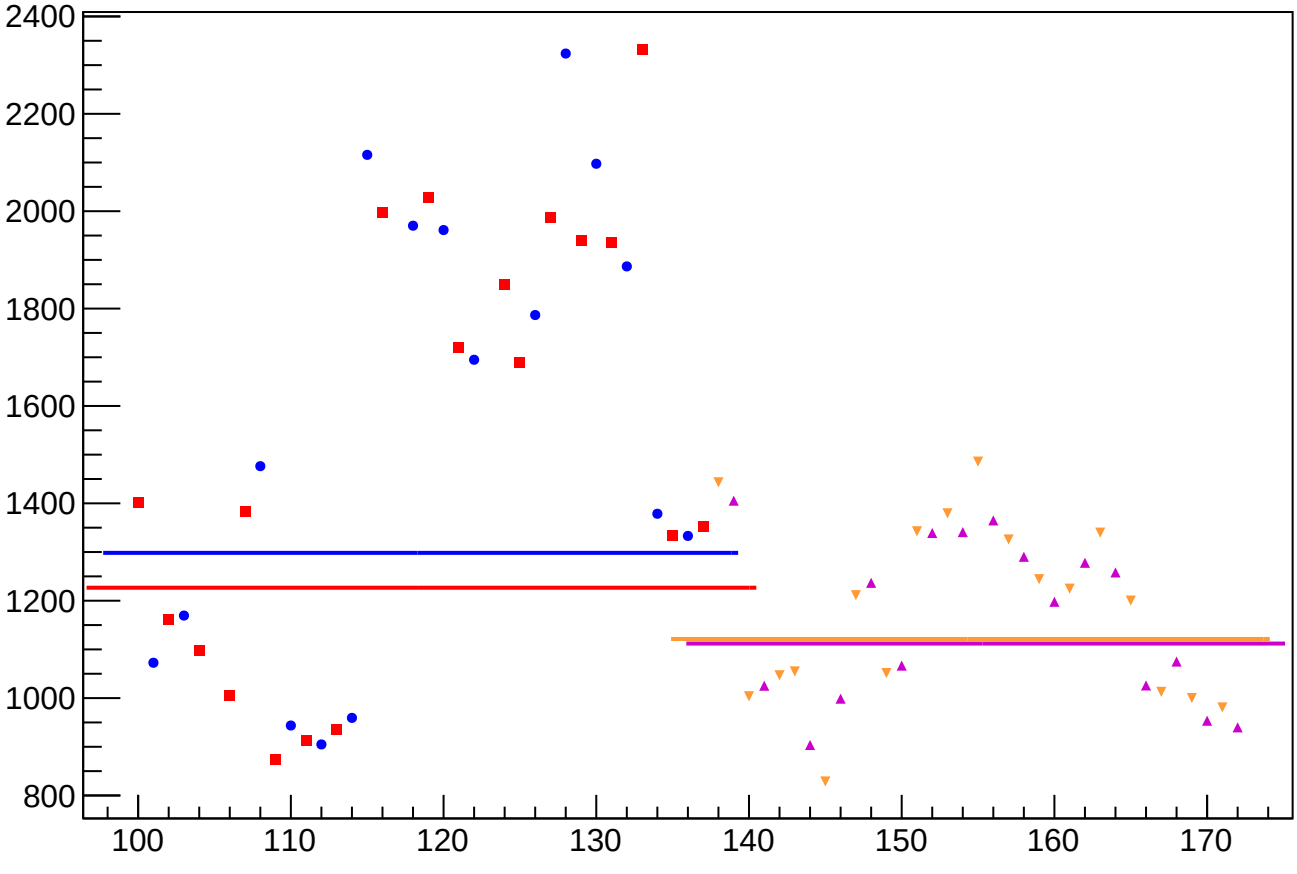
Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 52.970+/-258.648 χ^2/NDF:38.1/32

Out: -739.604+/-254.260 χ^2/NDF:82.1/36

All: -350.098+/-181.321 χ^2/NDF: 124.9/69

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: 1121.404+/-0.213 χ^2/NDF:723355.5/17

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: 1116.703+/-0.151 χ^2/NDF: 1298142.5/34

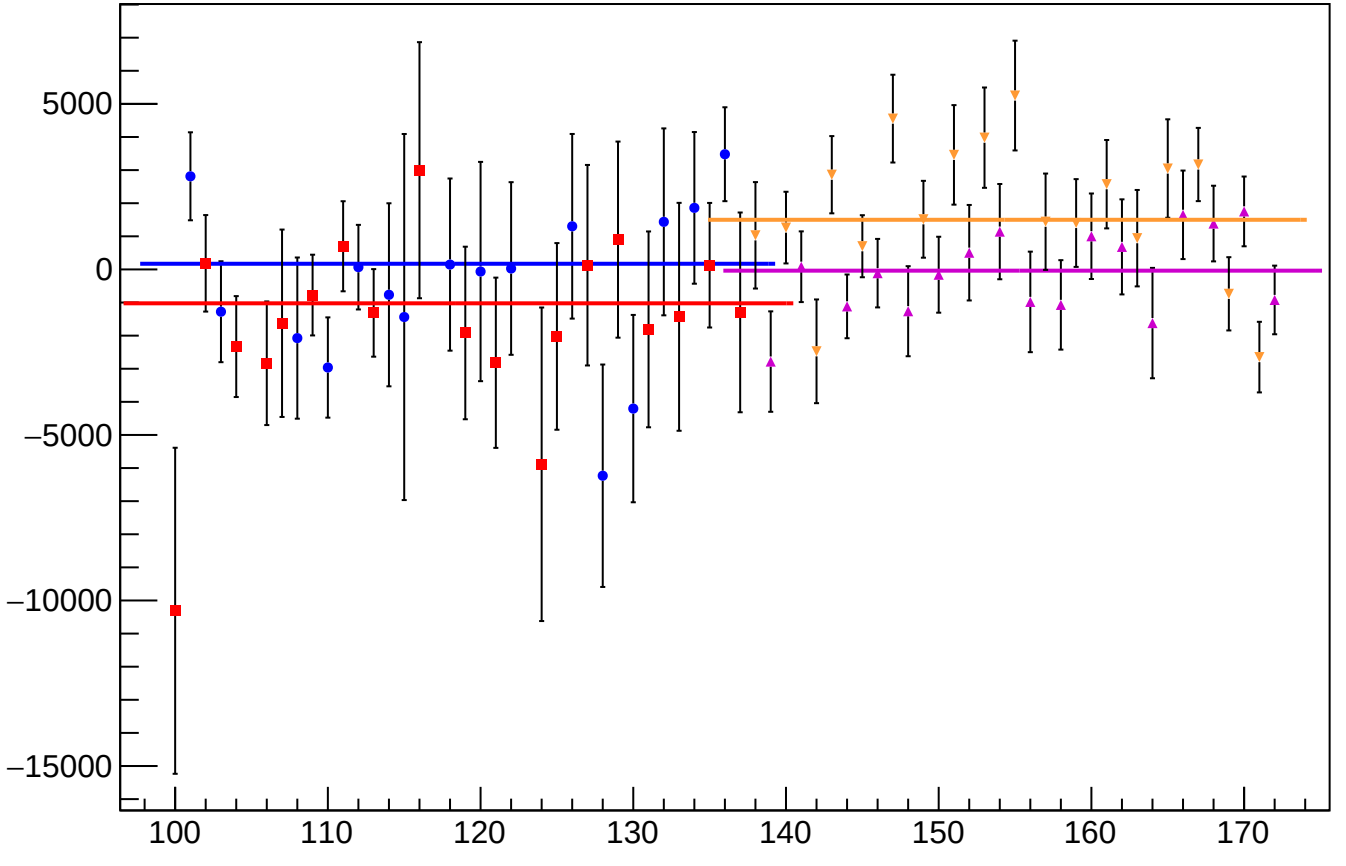
Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1160.654+/-0.183 χ^2/NDF:1956051.5/32

Out: 1151.862+/-0.180 χ^2/NDF:2198423.0/36

All: 1156.182+/-0.128 χ^2/NDF: 4155649.8/69

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1499.398+/-299.956 χ^2/NDF:46.9/17

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: 729.068+/-211.830 χ^2/NDF: 75.7/34

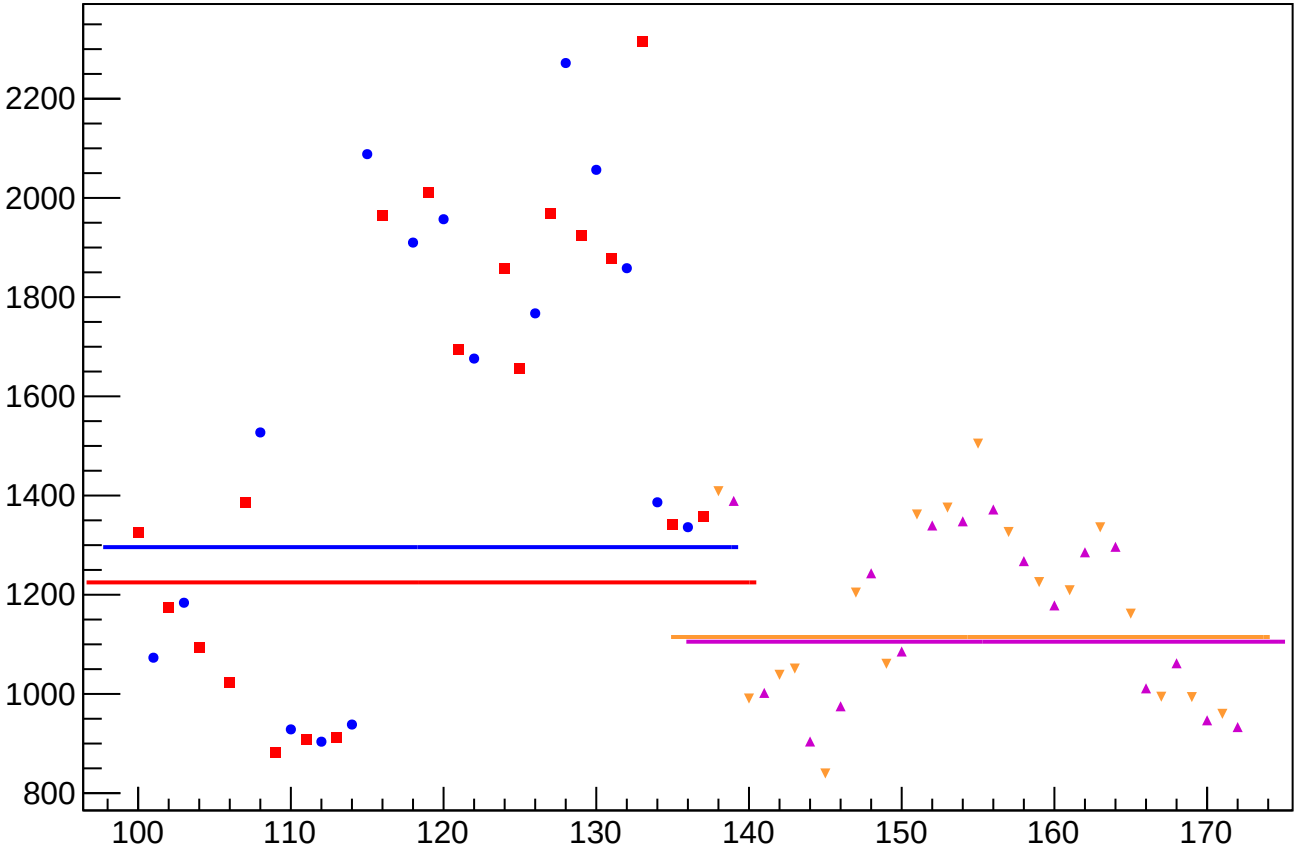
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: 16.782+/-257.425 χ^2/NDF:38.4/32

Out: 773.577+/-253.161 χ^2/NDF:78.8/36

All: 401.498+/-180.501 χ^2/NDF: 121.6/69

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1114.802+/-0.212 χ^2/NDF:717773.6/17

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1105.315+/-0.212 χ^2/NDF:606574.9/16

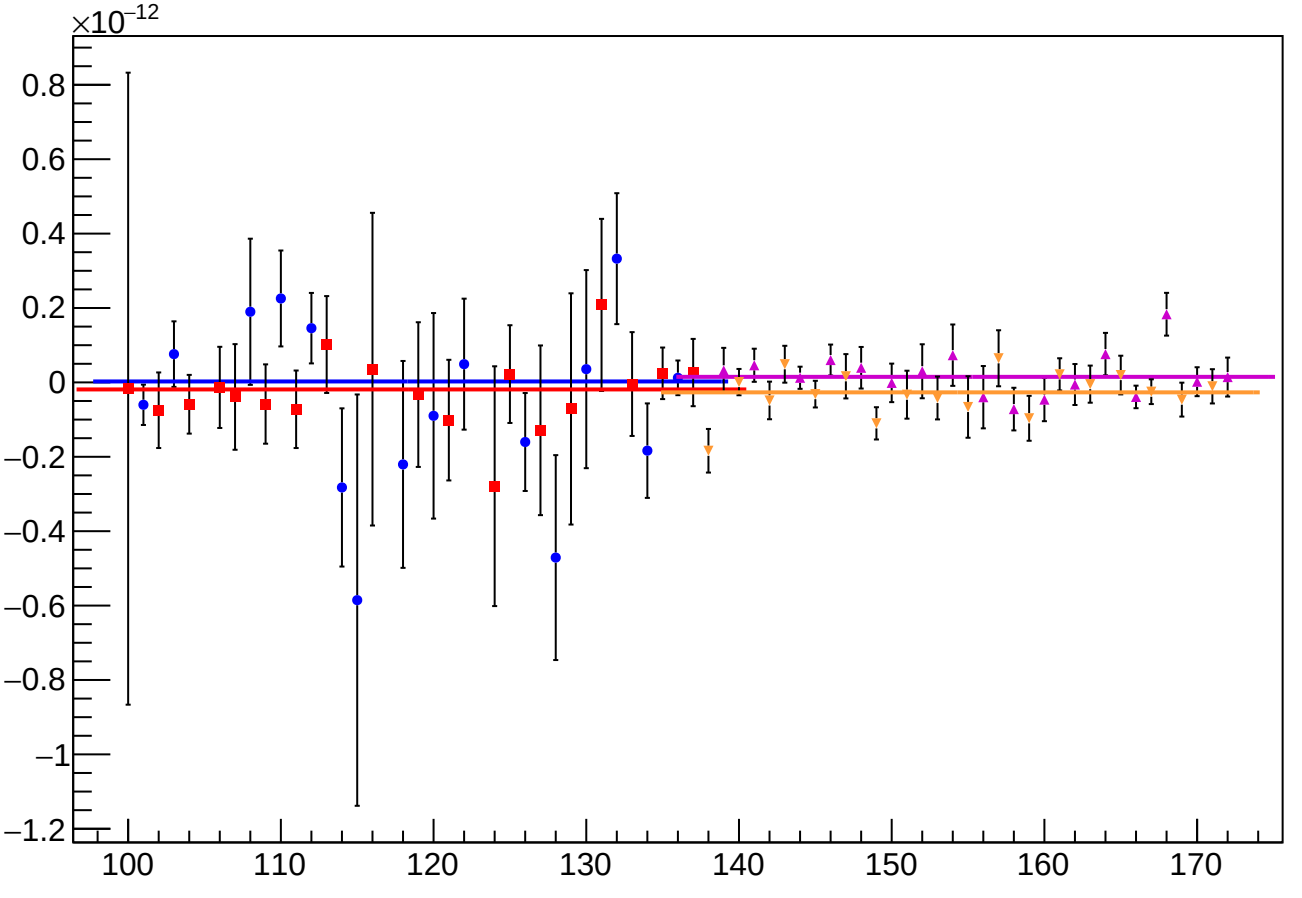
Left: 1110.046+/-0.150 χ^2/NDF: 1325351.5/34

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1154.834+/-0.182 χ^2/NDF:1971717.2/32

Out: 1146.466+/-0.179 χ^2/NDF:2166531.4/36

All: 1150.580+/-0.128 χ^2/NDF: 4139322.8/69



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.2/17

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:19.6/16

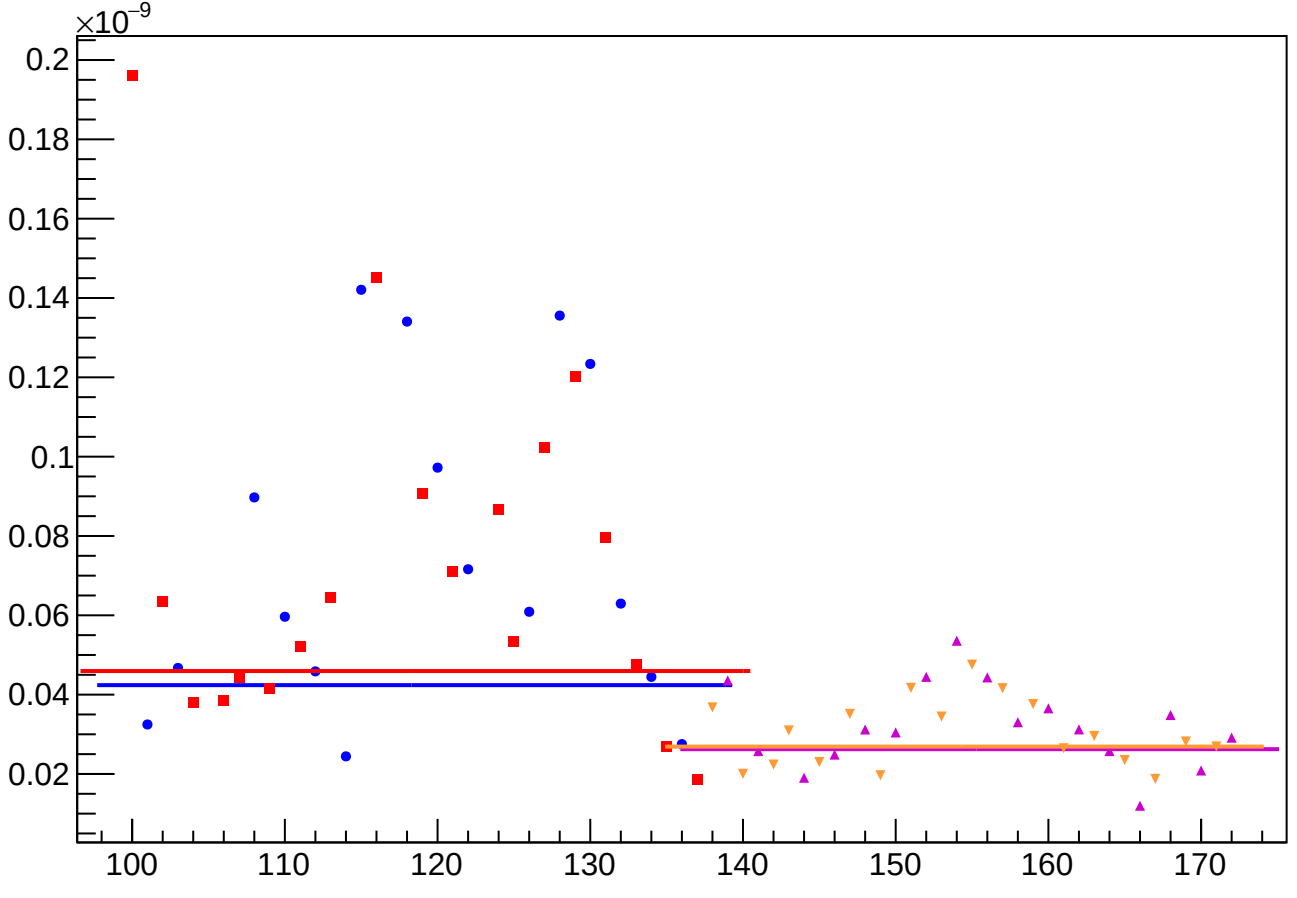
Left: -0.000+/-0.000 χ^2/NDF: 46.3/34

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:25.0/36

All: -0.000+/-0.000 χ^2/NDF: 73.5/69



Right In: 0.000+/-0.000 χ^2/NDF: 1341259.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:819542.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1118551.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1390964.5/16

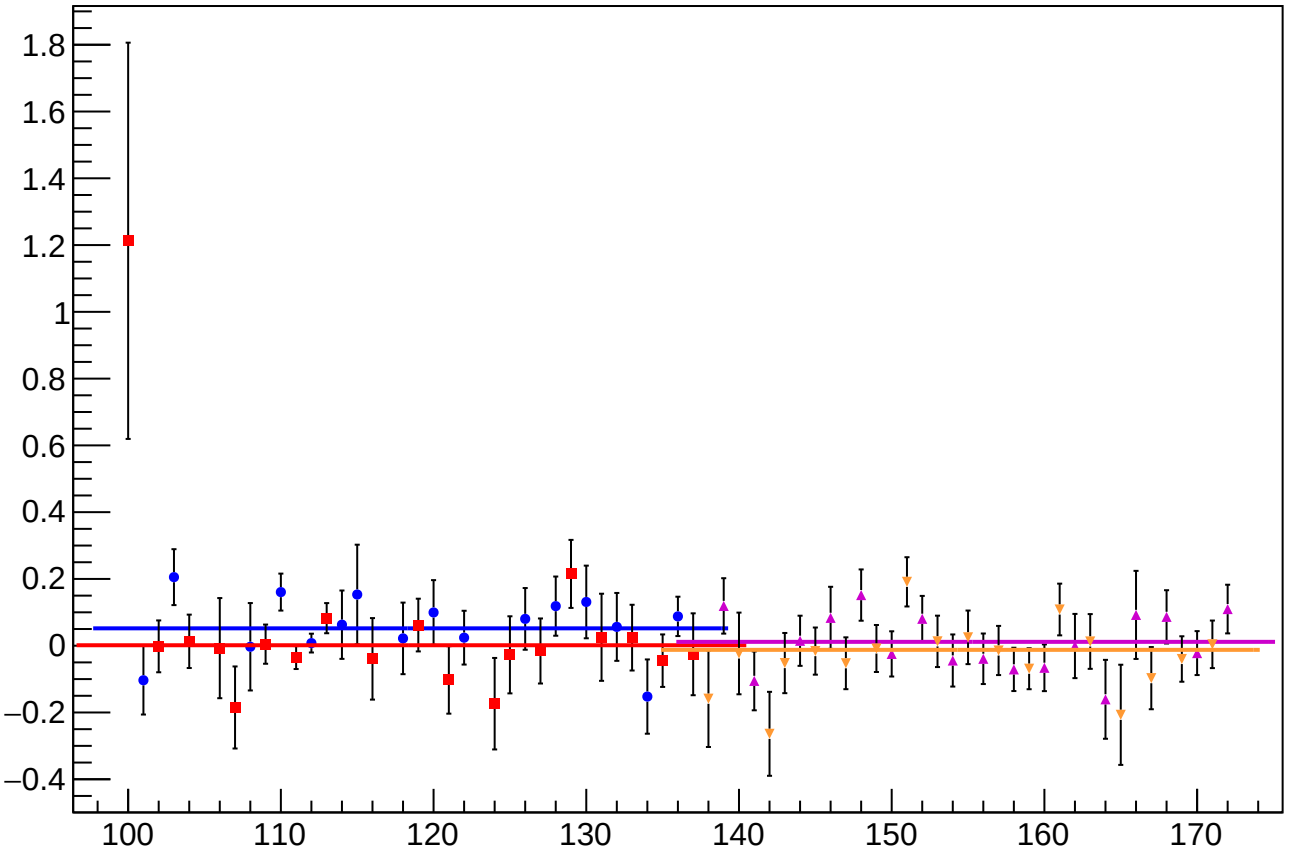
Left: 0.000+/-0.000 χ^2/NDF: 2213673.3/34

Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:3340745.6/32

Out: 0.000+/-0.000 χ^2/NDF:2692290.7/36

All: 0.000+/-0.000 χ^2/NDF: 6036362.6/69



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.012+/-0.019 χ^2/NDF:19.6/17

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: -0.000+/-0.014 χ^2/NDF: 38.3/34

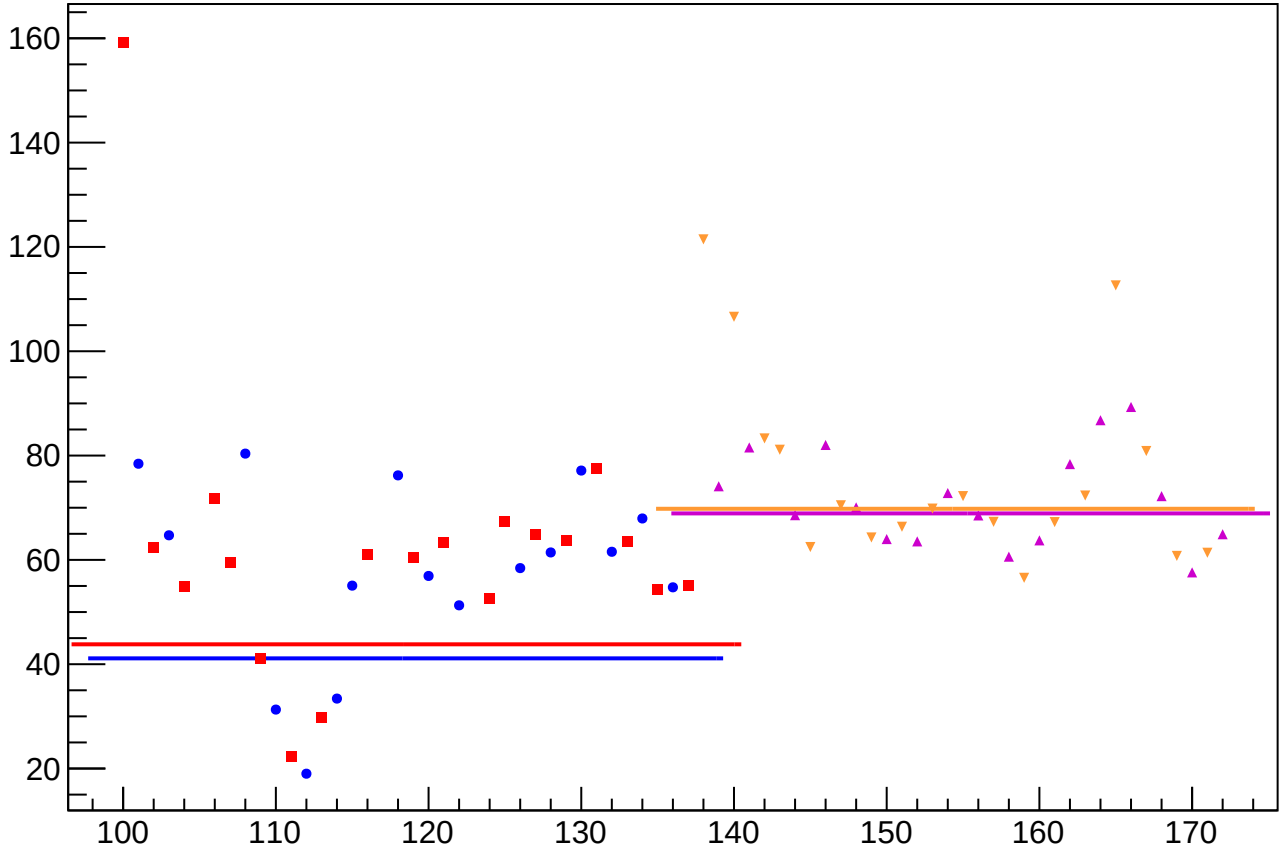
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.033+/-0.013 χ^2/NDF:38.3/32

Out: -0.005+/-0.013 χ^2/NDF:39.1/36

All: 0.014+/-0.009 χ^2/NDF: 81.7/69

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 69.799+/-0.014 χ^2/NDF:884437.6/17

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 68.912+/-0.013 χ^2/NDF:342152.8/16

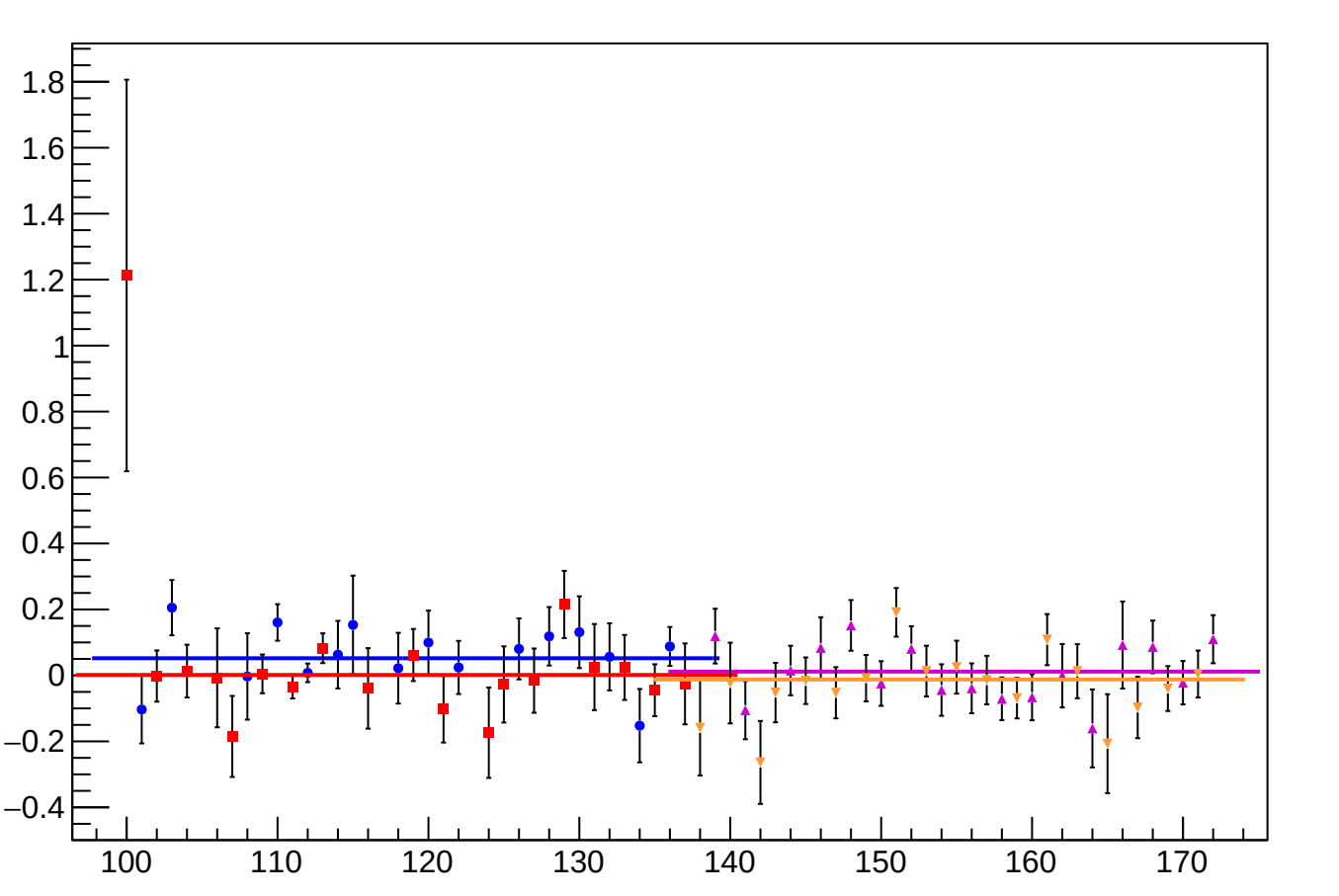
Left: 69.352+/-0.010 χ^2/NDF: 1228742.3/34

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

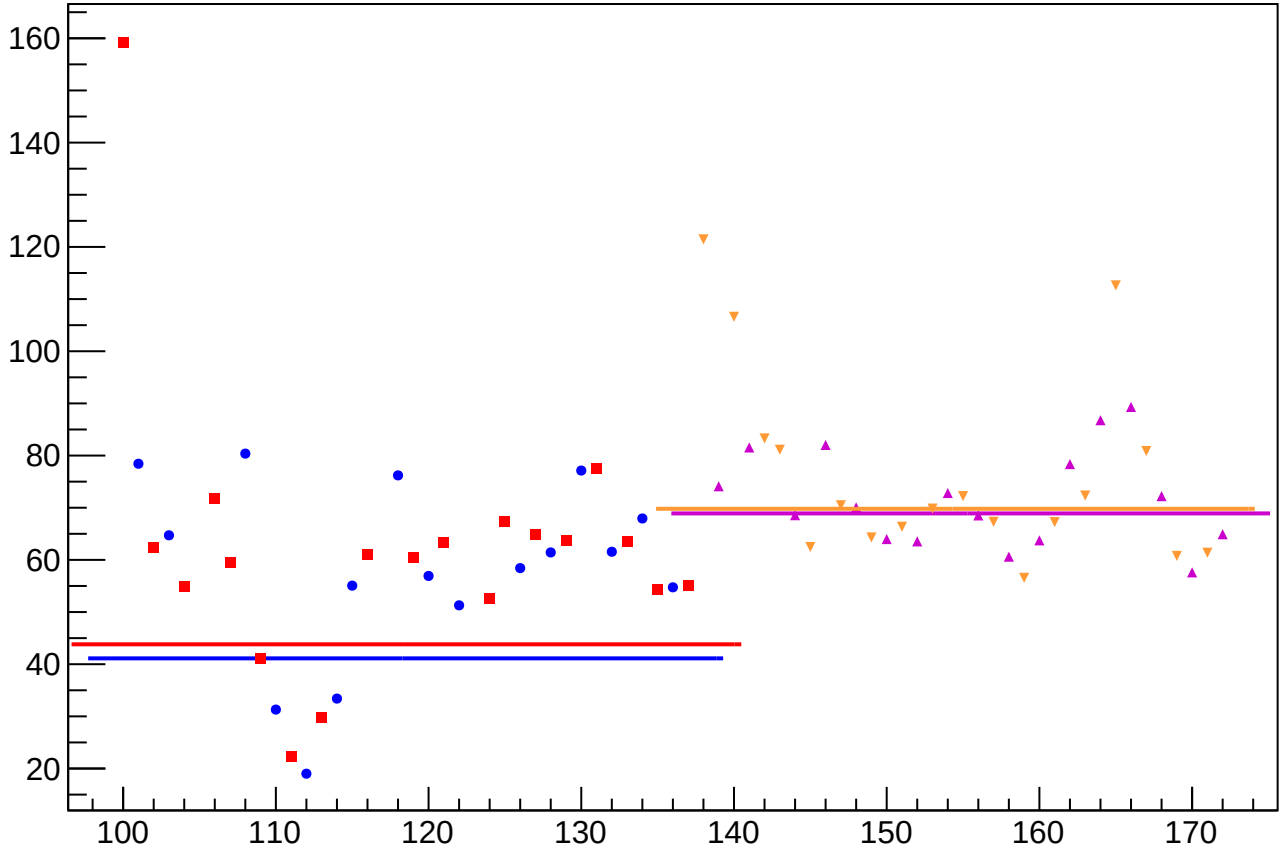
In: 54.066+/-0.009 χ^2/NDF:5545742.9/32

Out: 55.922+/-0.009 χ^2/NDF:4890822.3/36

All: 54.986+/-0.007 χ^2/NDF: 10456798.4/69


asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: 0.052+/-0.018 χ²/NDF: 18.0/15
Left Out: -0.012+/-0.019 χ²/NDF:19.6/17
Right Out: 0.001+/-0.018 χ²/NDF: 19.2/18
Left In: 0.012+/-0.019 χ²/NDF:17.9/16
Left: -0.000+/-0.014 χ²/NDF: 38.3/34
Right: 0.027+/-0.013 χ²/NDF: 41.2/34
In: 0.033+/-0.013 χ²/NDF:38.3/32
Out: -0.005+/-0.013 χ²/NDF:39.1/36
All: 0.014+/-0.009 χ²/NDF: 81.7/69

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: 69.799+/-0.014 χ^2/NDF:884437.6/17

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 68.912+/-0.013 χ^2/NDF:342152.8/16

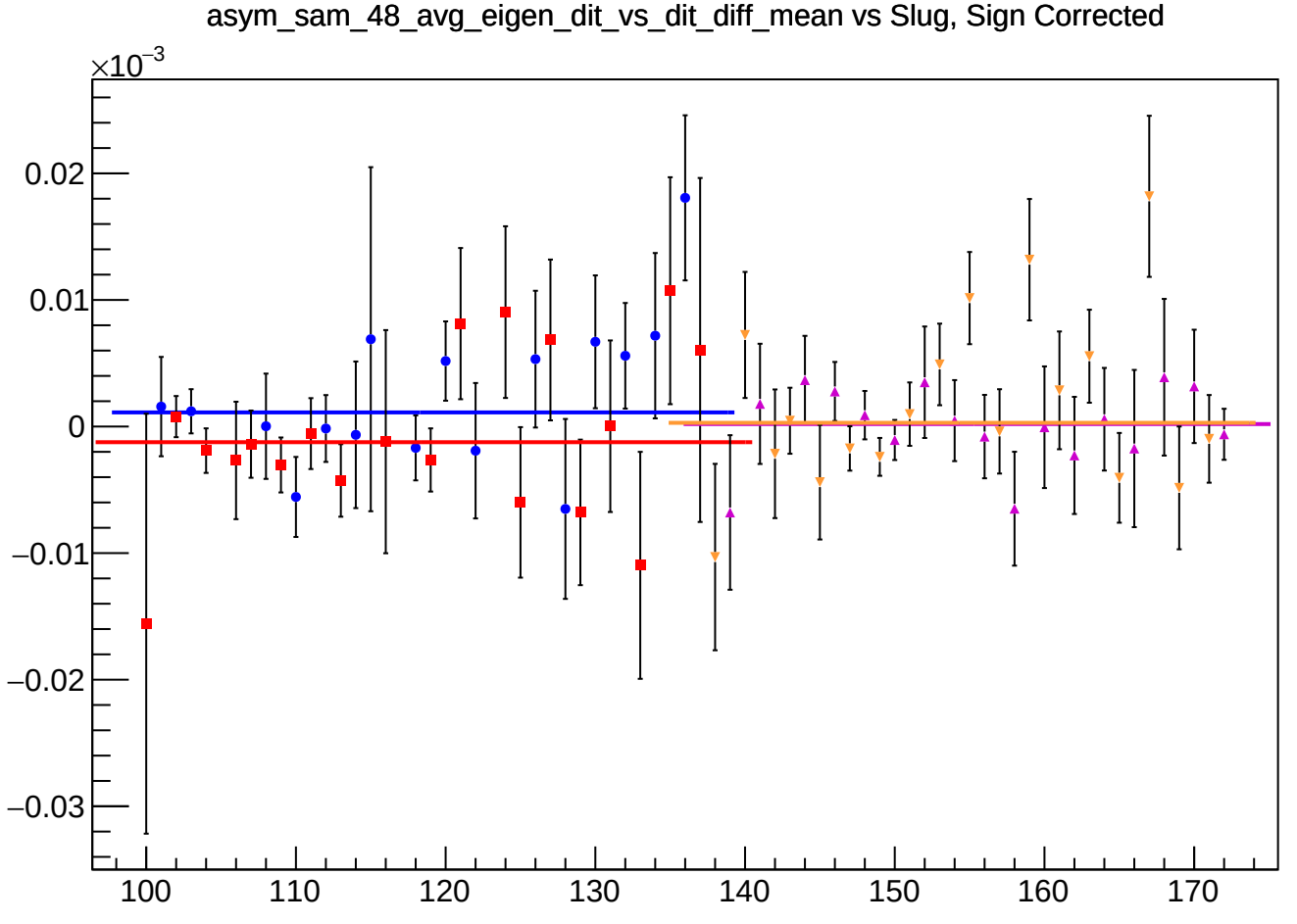
Left: 69.352+/-0.010 χ^2/NDF: 1228742.3/34

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 54.066+/-0.009 χ^2/NDF:5545742.9/32

Out: 55.922+/-0.009 χ^2/NDF:4890822.3/36

All: 54.986+/-0.007 χ^2/NDF: 10456798.4/69



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.6/17

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:8.6/16

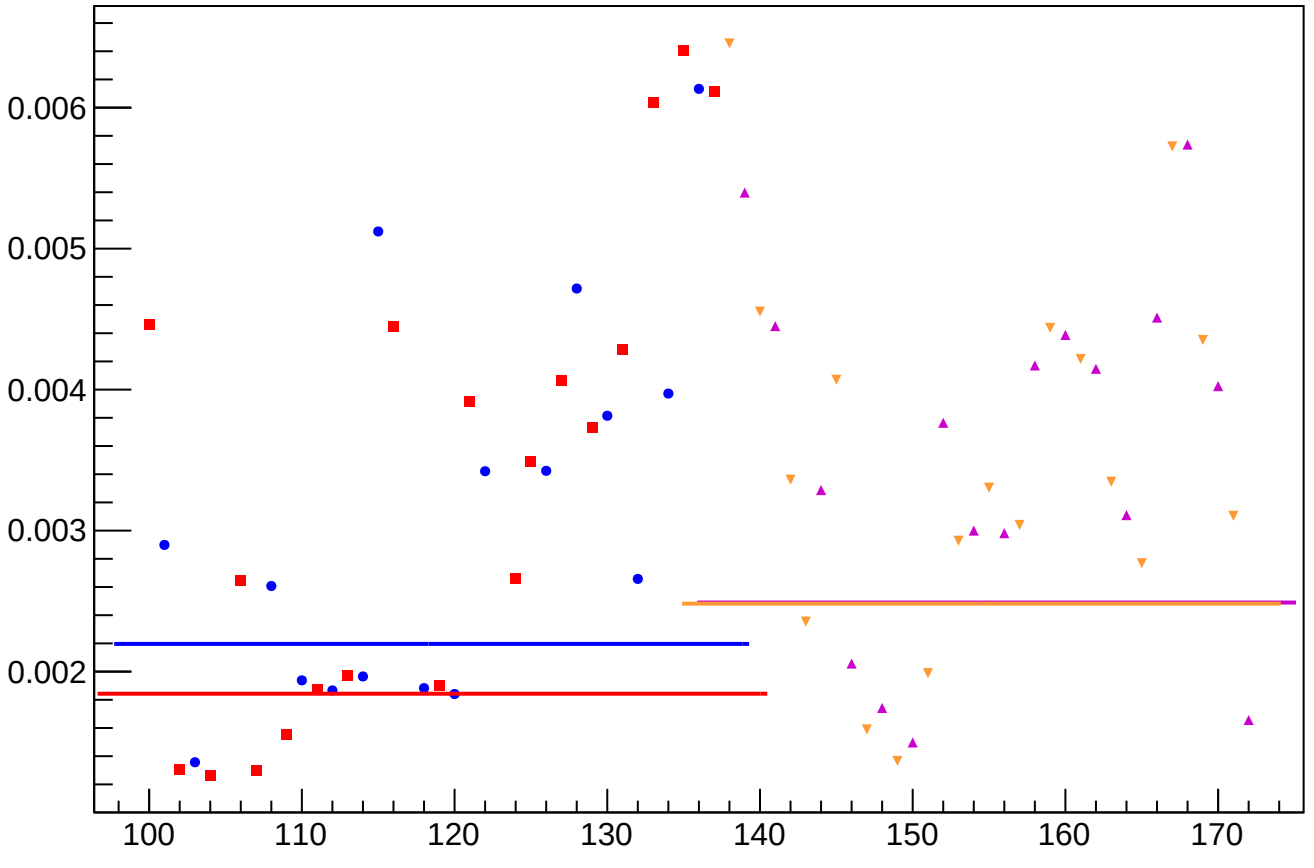
Left: 0.000+/-0.000 χ^2/NDF: 48.3/34

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:29.1/32

Out: -0.000+/-0.000 χ^2/NDF:57.7/36

All: 0.000+/-0.000 χ^2/NDF: 88.4/69



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:4759249.7/17

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.002+/-0.000 χ^2/NDF:4557994.3/16

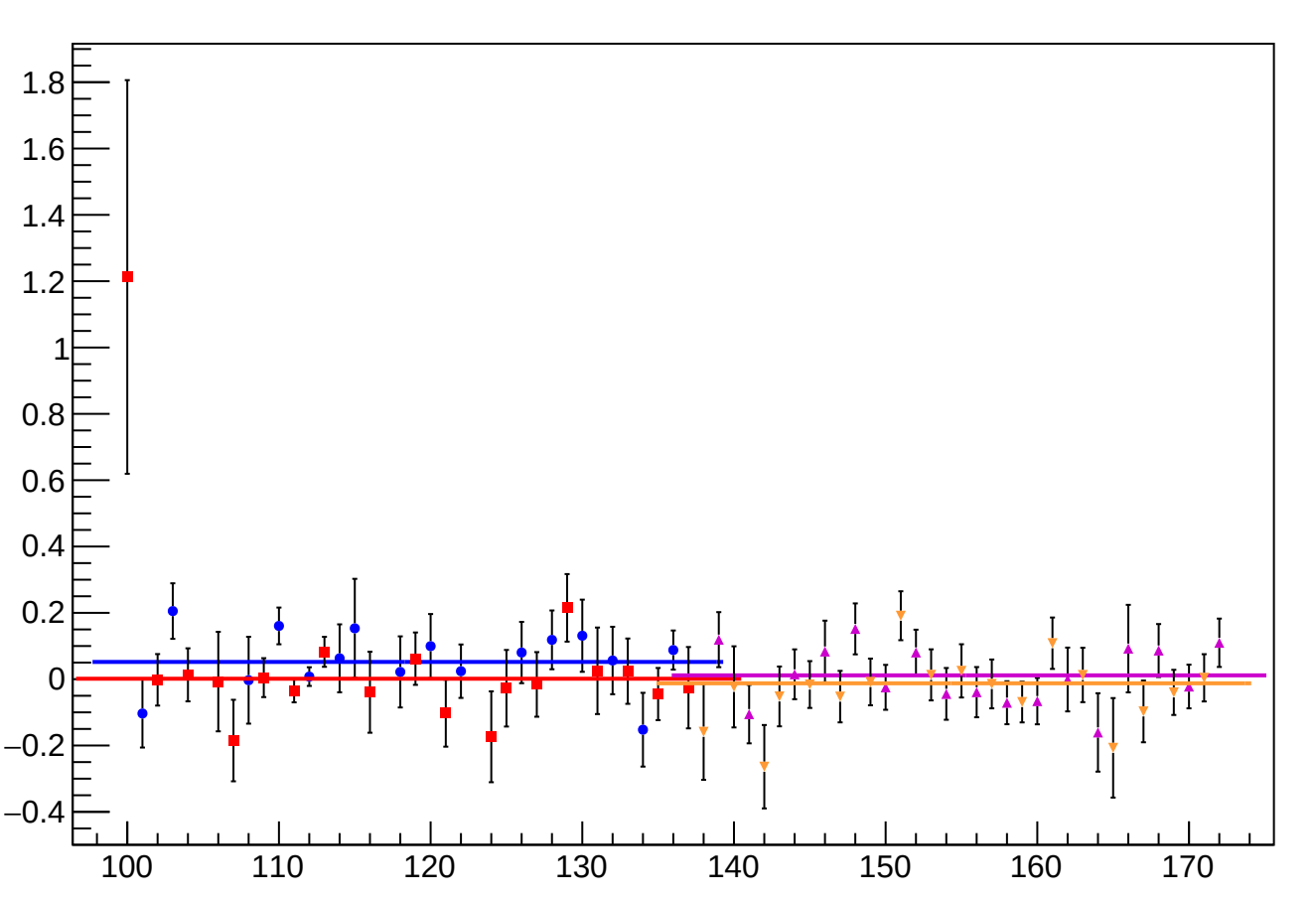
Left: 0.002+/-0.000 χ^2/NDF: 9317353.3/34

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:8629190.8/36

All: 0.002+/-0.000 χ^2/NDF: 15728509.0/69



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.012+/-0.019 χ^2/NDF:19.6/17

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: -0.000+/-0.014 χ^2/NDF: 38.3/34

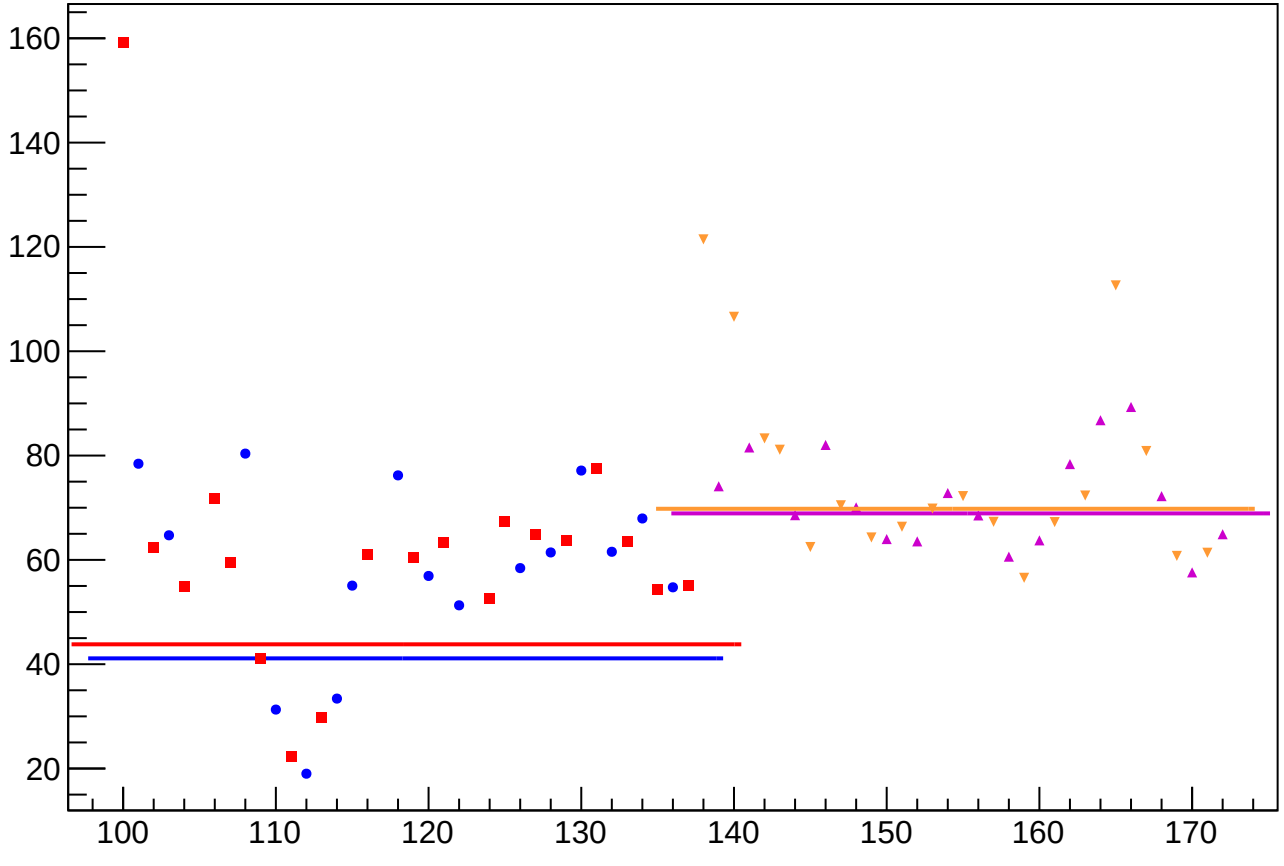
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.033+/-0.013 χ^2/NDF:38.3/32

Out: -0.005+/-0.013 χ^2/NDF:39.1/36

All: 0.014+/-0.009 χ^2/NDF: 81.7/69

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: 69.799+/-0.014 χ^2/NDF:884418.1/17

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: 69.352+/-0.010 χ^2/NDF: 1228720.8/34

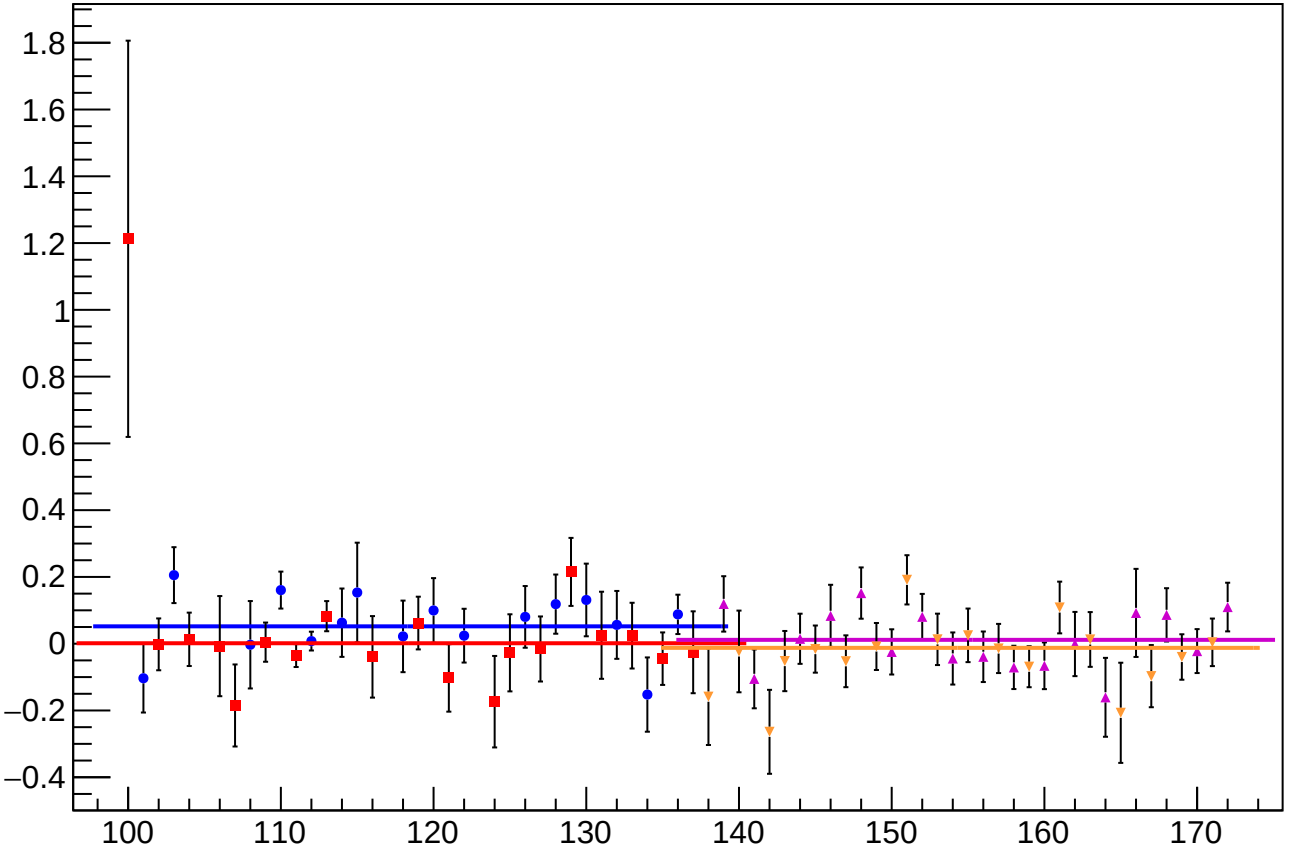
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 54.066+/-0.009 χ^2/NDF:5546163.1/32

Out: 55.921+/-0.009 χ^2/NDF:4891214.0/36

All: 54.985+/-0.007 χ^2/NDF: 10457611.8/69

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: -0.012+/-0.019 χ^2/NDF:19.6/17

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: -0.000+/-0.014 χ^2/NDF: 38.3/34

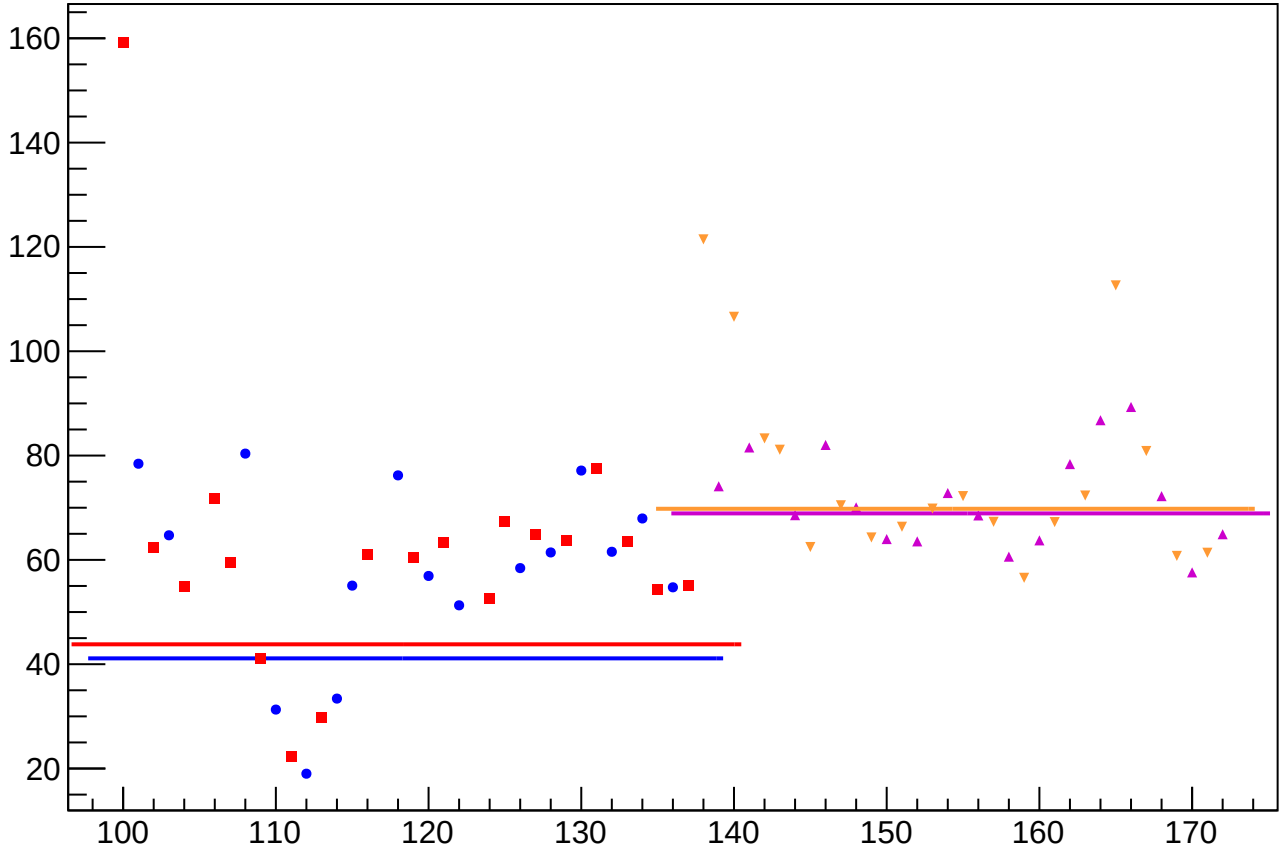
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.033+/-0.013 χ^2/NDF:38.3/32

Out: -0.005+/-0.013 χ^2/NDF:39.1/36

All: 0.014+/-0.009 χ^2/NDF: 81.7/69

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: 69.799+/-0.014 χ^2/NDF:884418.1/17

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 68.913+/-0.013 χ^2/NDF:342150.7/16

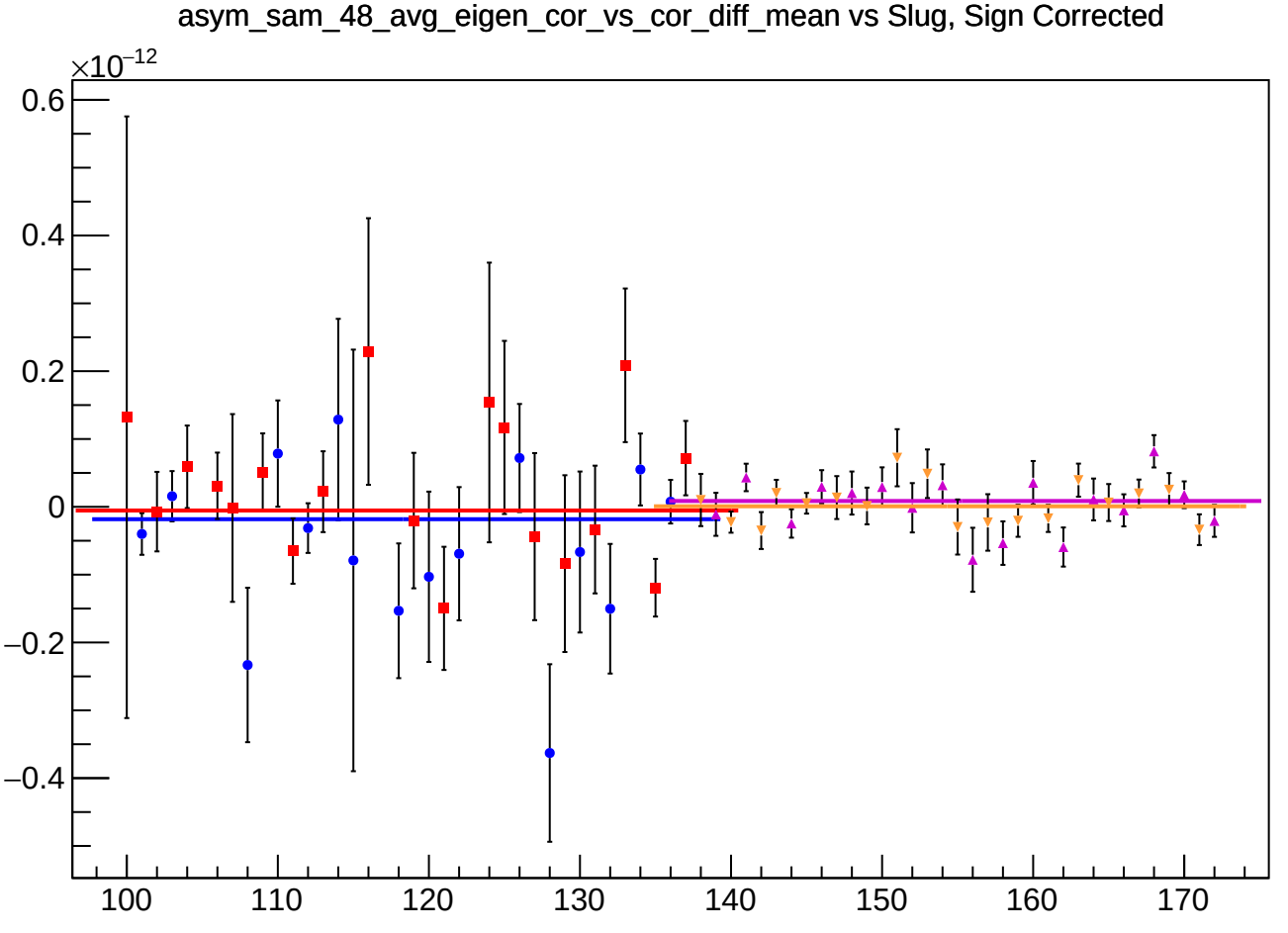
Left: 69.352+/-0.010 χ^2/NDF: 1228720.8/34

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 54.066+/-0.009 χ^2/NDF:5546163.1/32

Out: 55.921+/-0.009 χ^2/NDF:4891214.0/36

All: 54.985+/-0.007 χ^2/NDF: 10457611.8/69



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.2/17

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:32.8/16

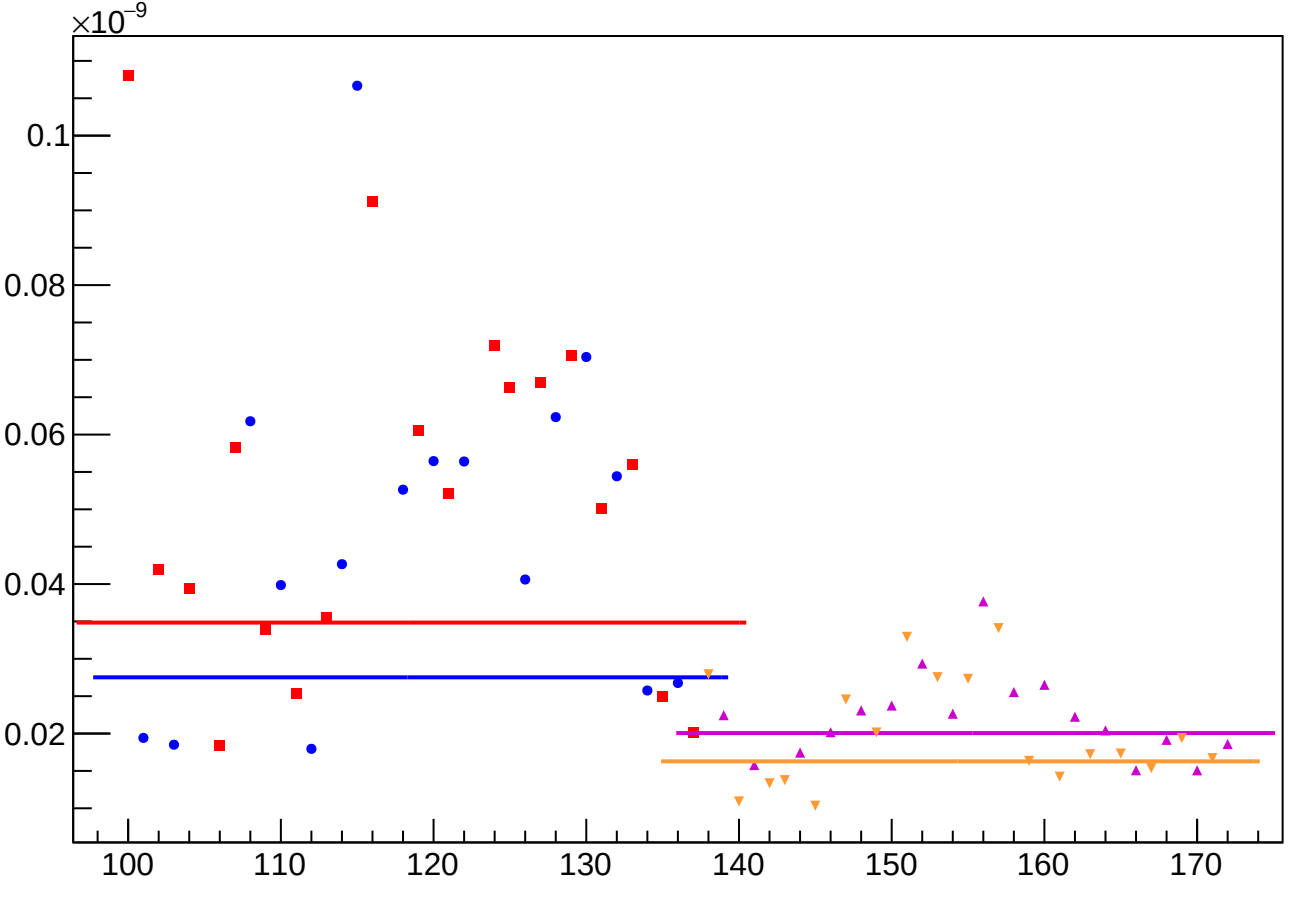
Left: 0.000+/-0.000 χ^2/NDF: 52.8/34

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:42.6/36

All: 0.000+/-0.000 χ^2/NDF: 101.5/69



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2047381.9/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:984267.6/16

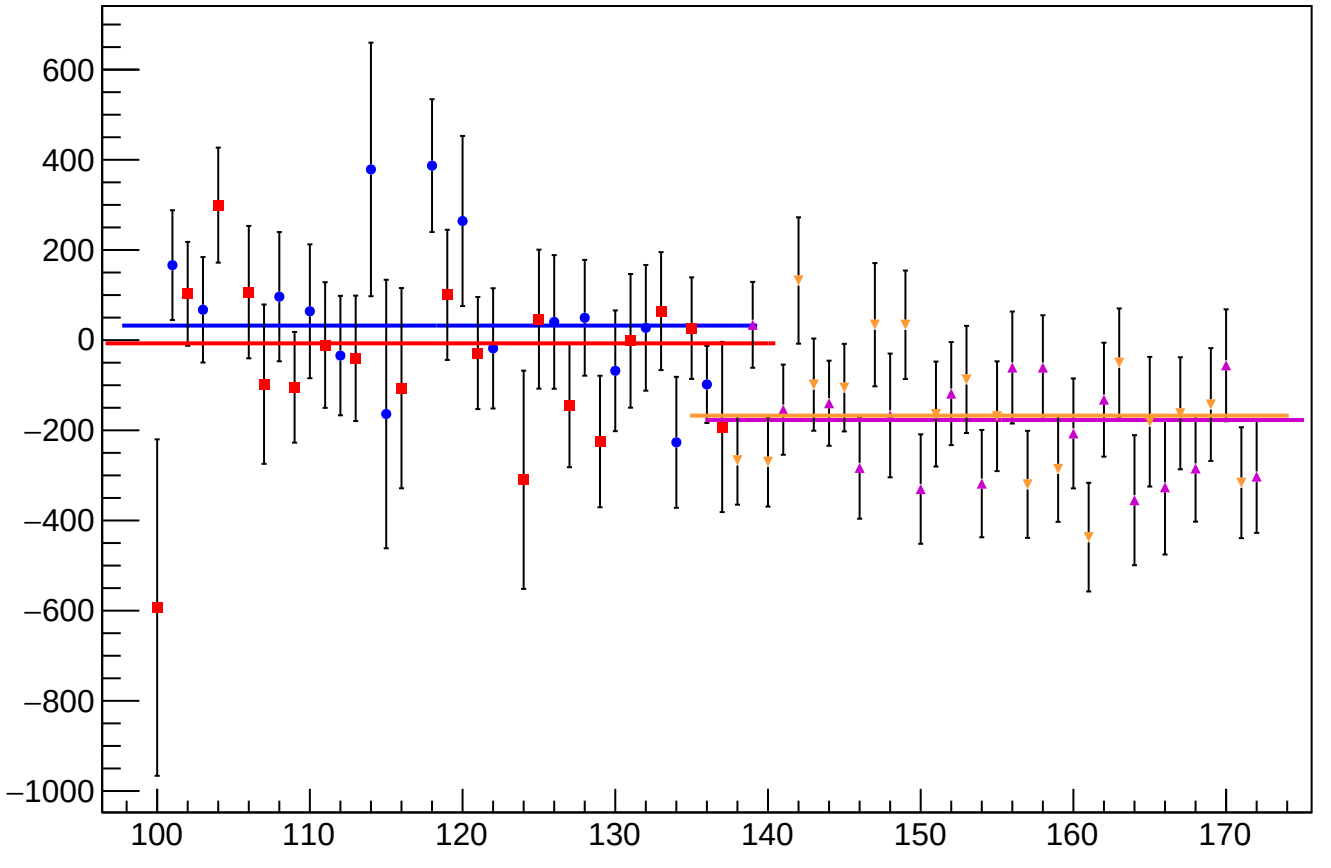
Left: 0.000+/-0.000 χ^2/NDF: 3420267.2/34

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:5944298.0/36

All: 0.000+/-0.000 χ^2/NDF: 9481530.9/69



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -167.389+/-27.562 χ^2/NDF:23.1/17

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: -172.115+/-19.809 χ^2/NDF: 39.8/34

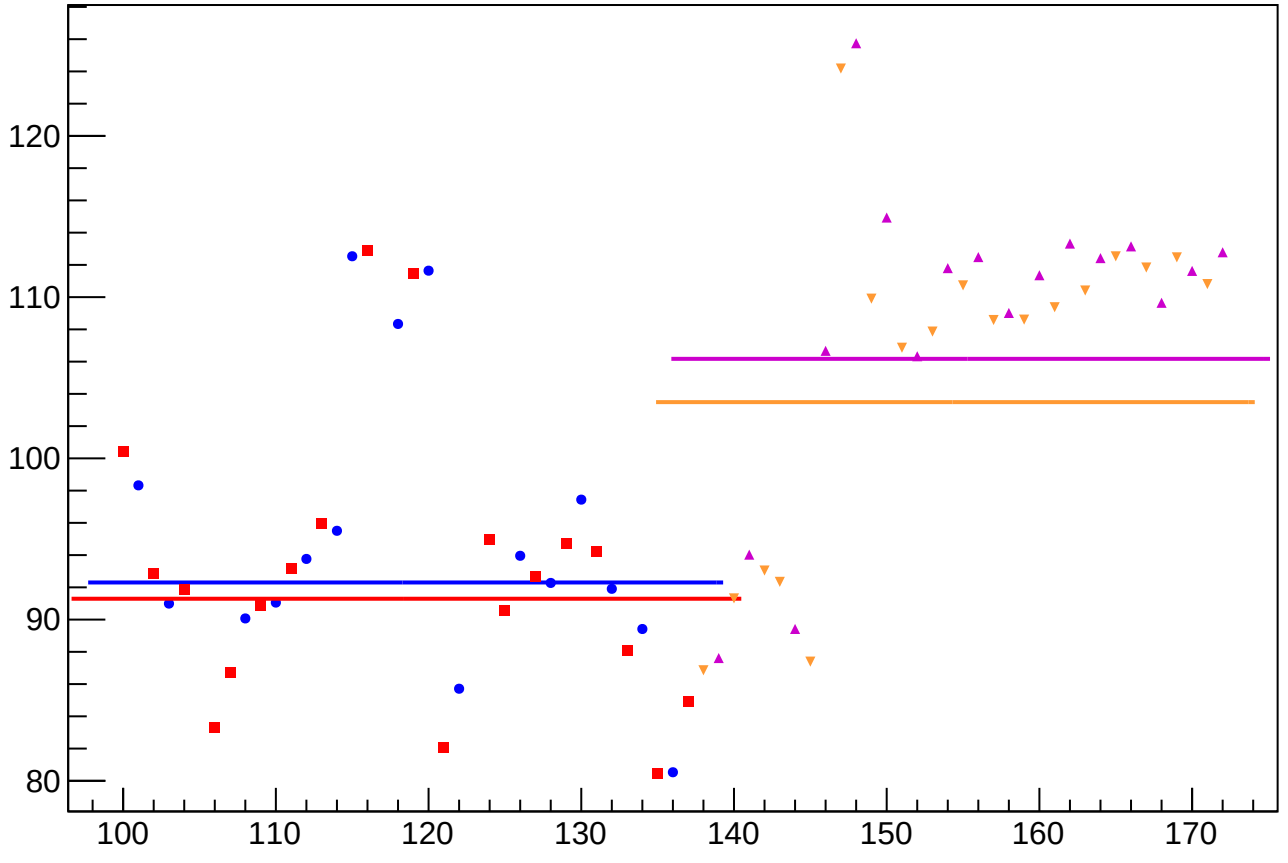
Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -92.030+/-21.949 χ^2/NDF:55.9/32

Out: -102.490+/-21.263 χ^2/NDF:54.5/36

All: -97.426+/-15.272 χ^2/NDF: 110.6/69

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 103.489+/-0.019 χ^2/NDF:293108.3/17

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 106.173+/-0.020 χ^2/NDF:259768.3/16

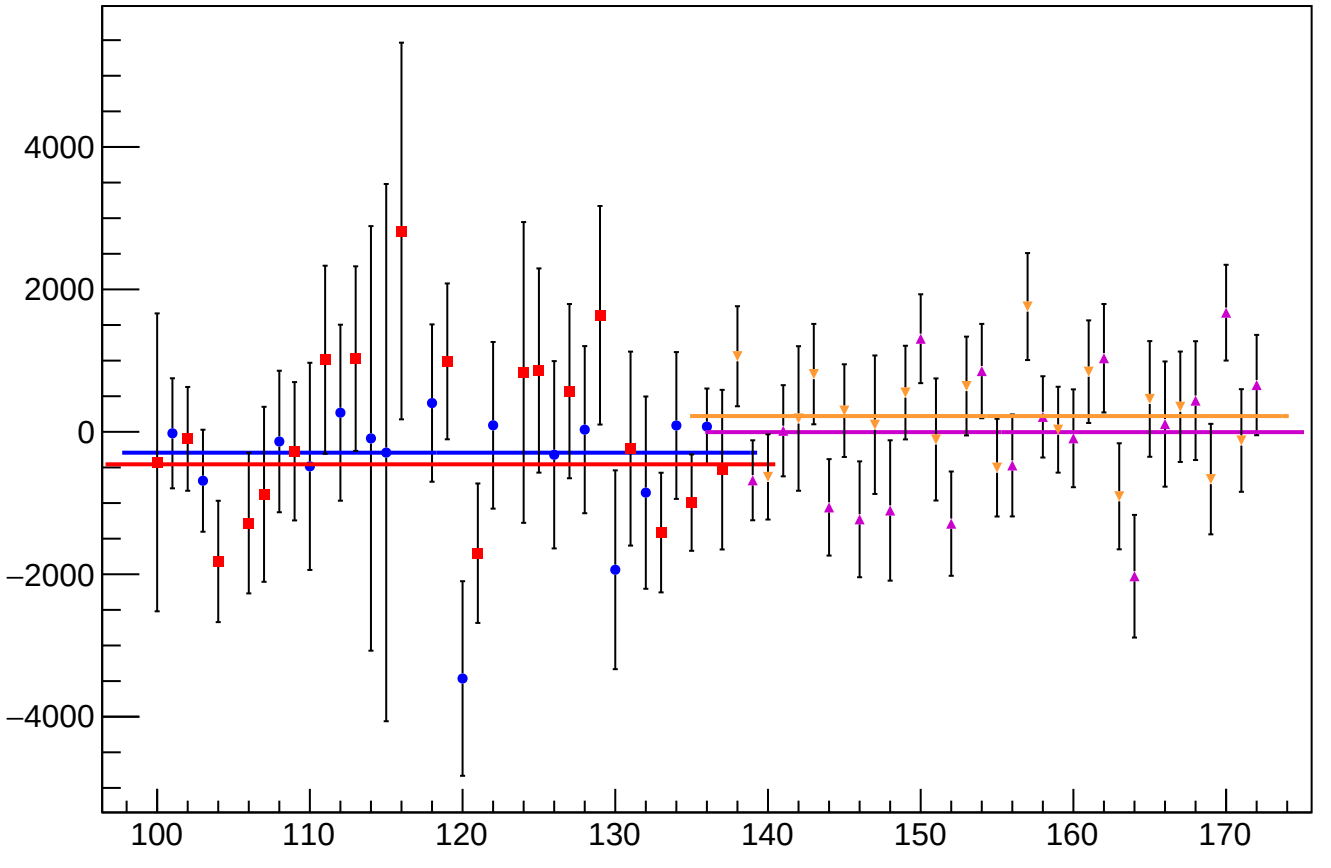
Left: 104.786+/-0.014 χ^2/NDF: 562047.4/34

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 100.535+/-0.016 χ^2/NDF:559512.4/32

Out: 98.552+/-0.015 χ^2/NDF:556708.5/36

All: 99.512+/-0.011 χ^2/NDF: 1124644.5/69



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 221.243+/-171.189 χ^2/NDF:15.1/17

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -4.266+/-170.959 χ^2/NDF:31.9/16

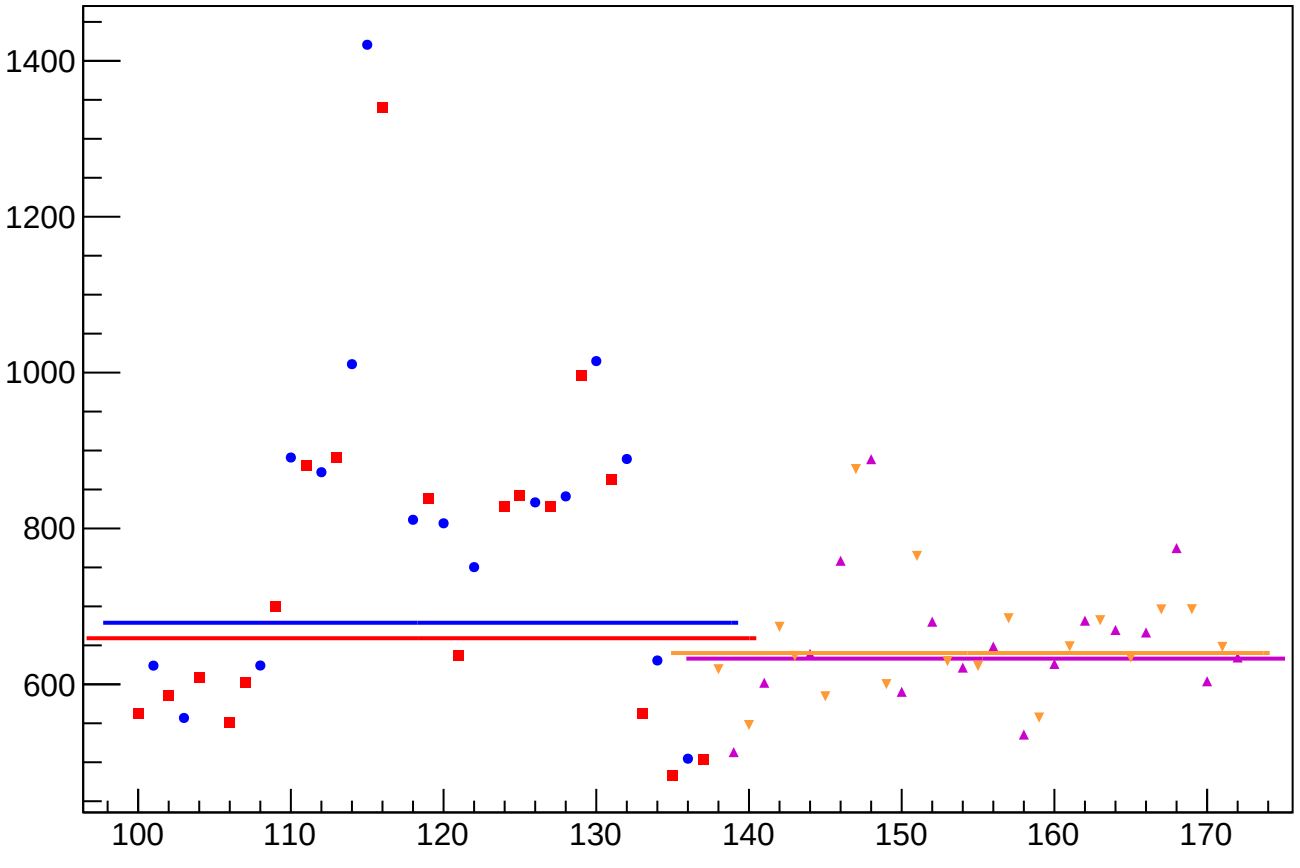
Left: 108.337+/-120.967 χ^2/NDF: 47.9/34

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -91.490+/-142.795 χ^2/NDF:41.6/32

Out: 3.595+/-141.015 χ^2/NDF:36.9/36

All: -43.351+/-100.336 χ^2/NDF: 78.8/69



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 640.155+/-0.121 χ^2/NDF:308110.7/17

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 632.980+/-0.121 χ^2/NDF:432658.5/16

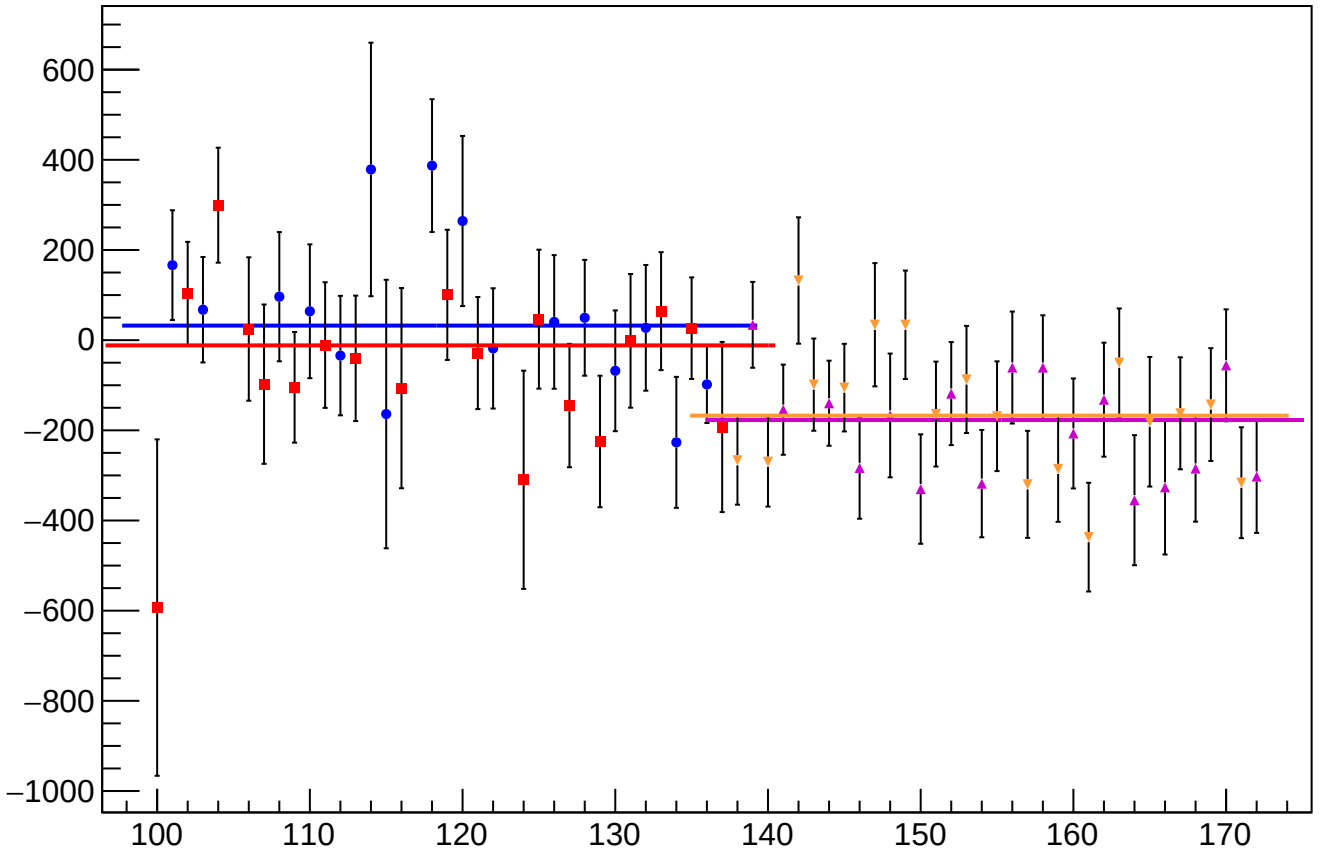
Left: 636.563+/-0.086 χ^2/NDF: 742528.2/34

Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 646.895+/-0.101 χ^2/NDF:1244464.8/32

Out: 646.256+/-0.100 χ^2/NDF:1111890.1/36

All: 646.571+/-0.071 χ^2/NDF: 2356375.2/69



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -167.387+/-27.562 χ^2/NDF:23.1/17

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -177.169+/-28.490 χ^2/NDF:16.7/16

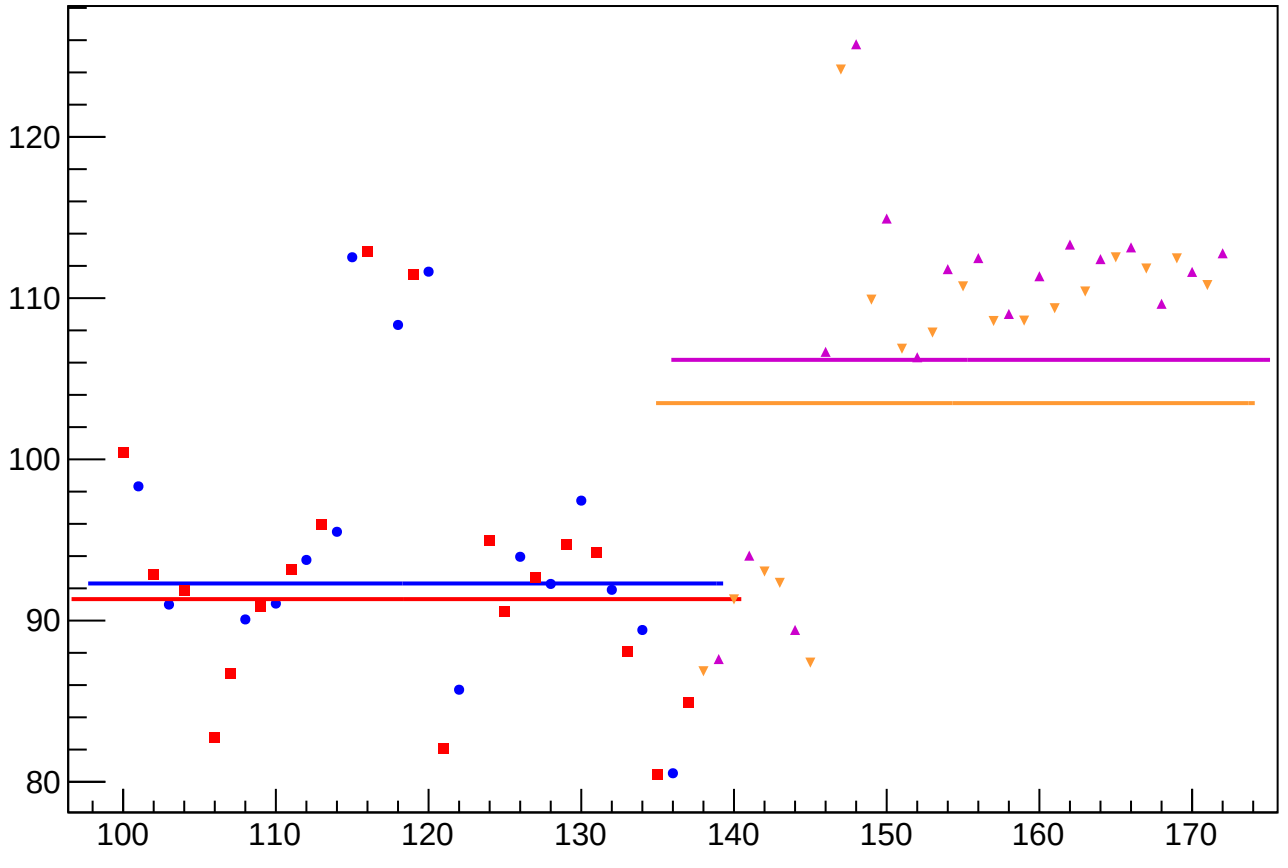
Left: -172.116+/-19.809 χ^2/NDF: 39.8/34

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -92.026+/-21.949 χ^2/NDF:55.9/32

Out: -104.601+/-21.296 χ^2/NDF:53.1/36

All: -98.503+/-15.284 χ^2/NDF: 109.3/69



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 103.489+/-0.019 χ^2/NDF:293108.3/17

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 106.173+/-0.020 χ^2/NDF:259768.3/16

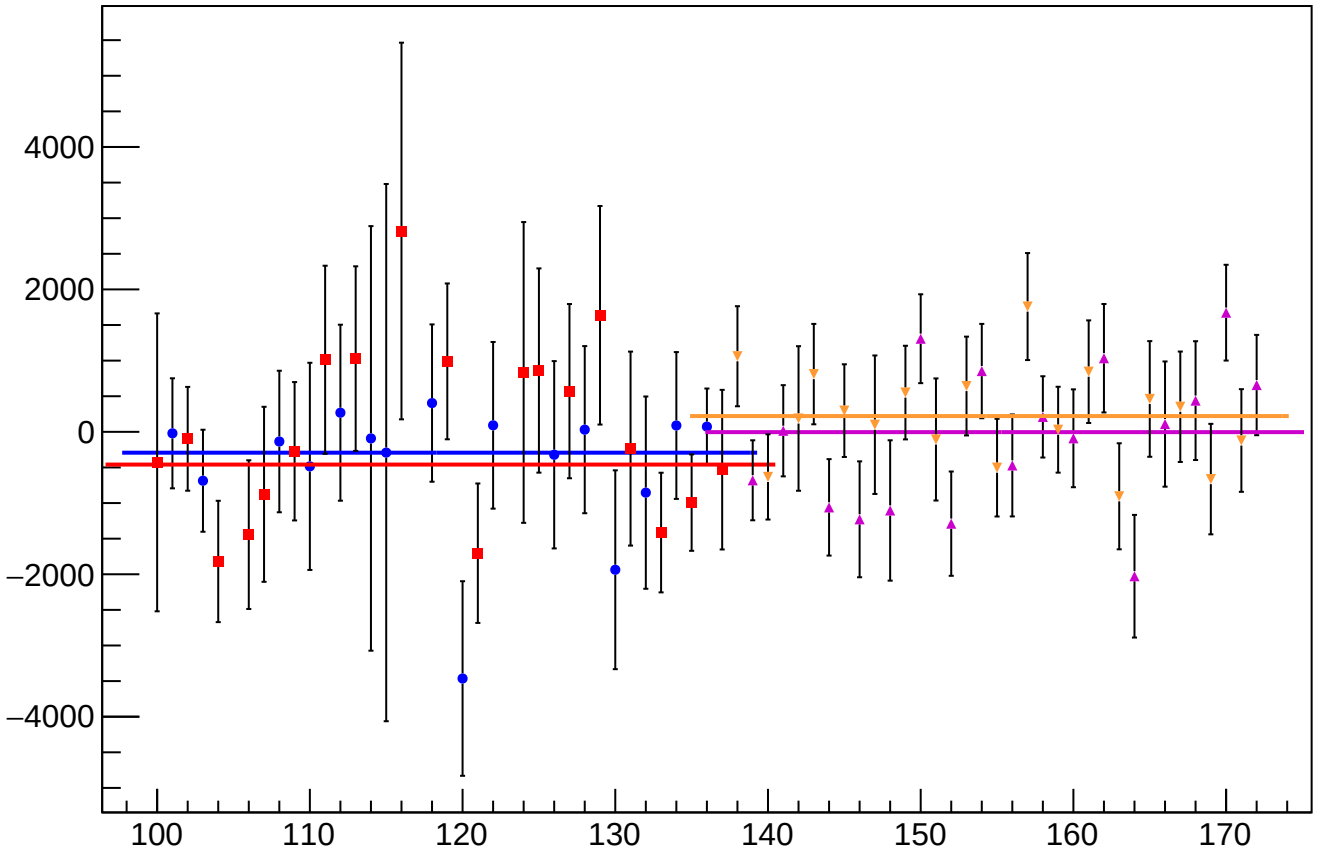
Left: 104.786+/-0.014 χ^2/NDF: 562047.5/34

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 100.535+/-0.016 χ^2/NDF:559512.3/32

Out: 98.590+/-0.015 χ^2/NDF:554815.7/36

All: 99.533+/-0.011 χ^2/NDF: 1122419.7/69



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 221.243+/-171.189 χ^2/NDF:15.1/17

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -4.268+/-170.959 χ^2/NDF:31.9/16

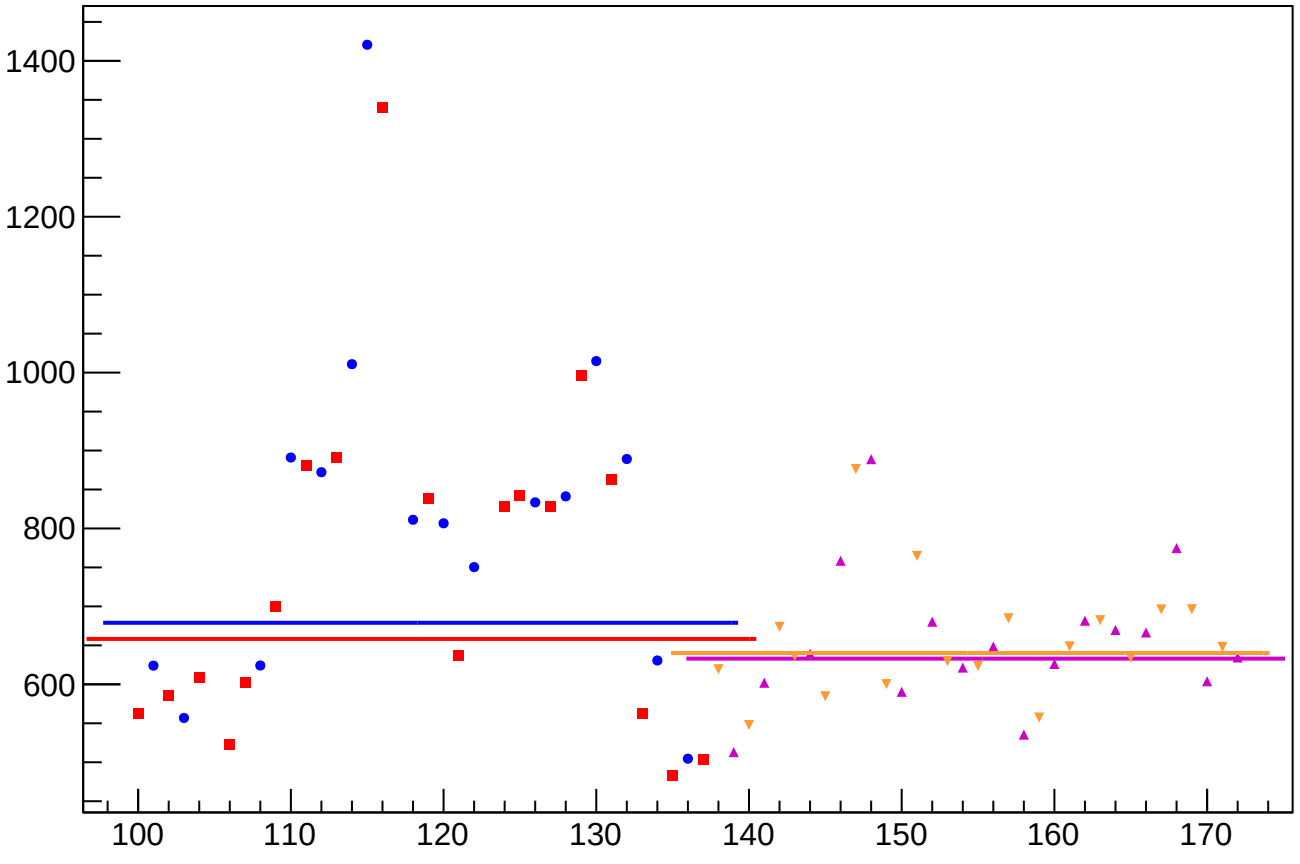
Left: 108.336+/-120.967 χ^2/NDF: 47.9/34

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -91.491+/-142.795 χ^2/NDF:41.6/32

Out: 3.368+/-141.165 χ^2/NDF:37.2/36

All: -43.517+/-100.390 χ^2/NDF: 79.0/69



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 640.155+/-0.121 χ^2/NDF:308111.8/17

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 632.980+/-0.121 χ^2/NDF:432659.8/16

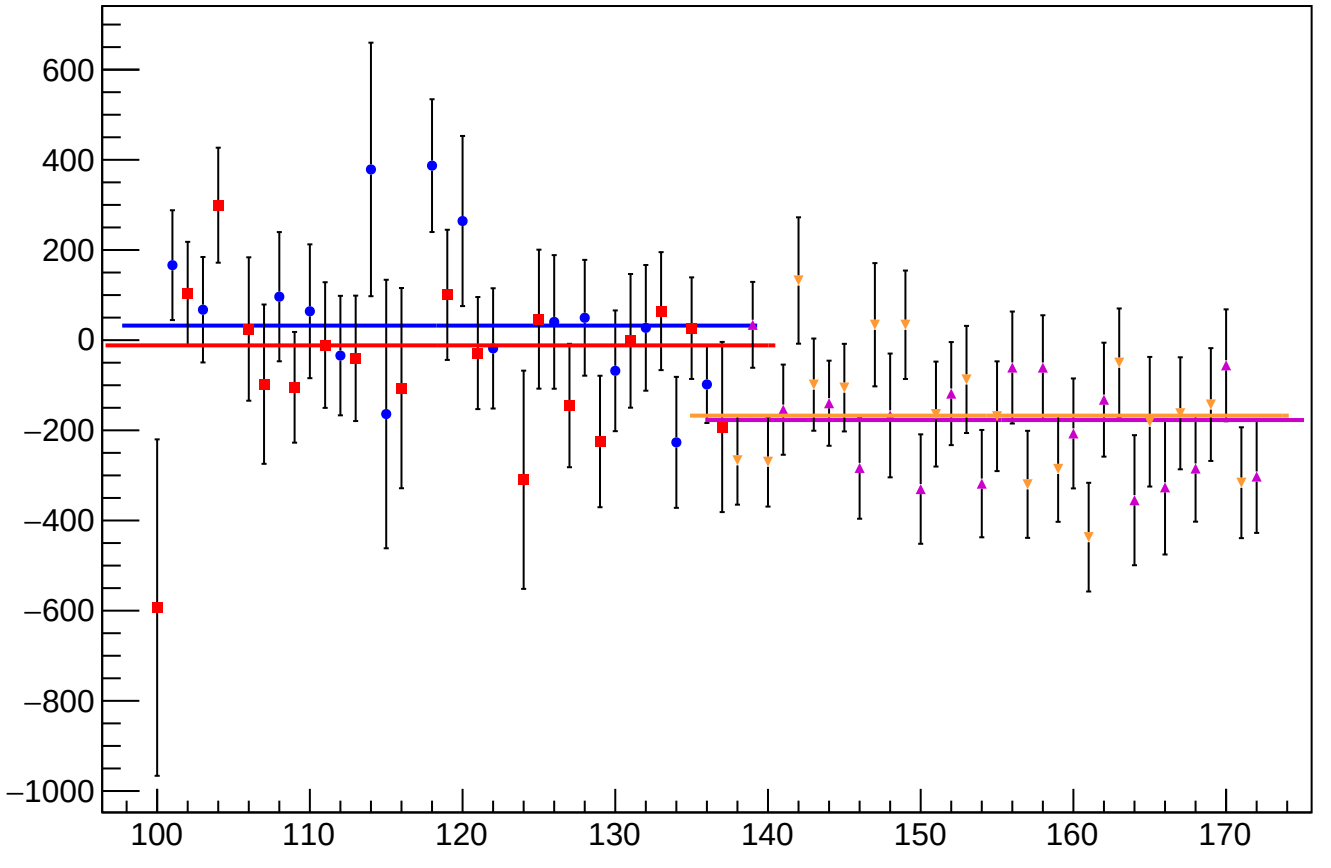
Left: 636.563+/-0.086 χ^2/NDF: 742530.6/34

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 646.895+/-0.101 χ^2/NDF:1244467.2/32

Out: 645.949+/-0.100 χ^2/NDF:1121170.0/36

All: 646.417+/-0.071 χ^2/NDF: 2365681.6/69



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -167.387+/-27.562 χ^2/NDF:23.1/17

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -177.169+/-28.490 χ^2/NDF:16.7/16

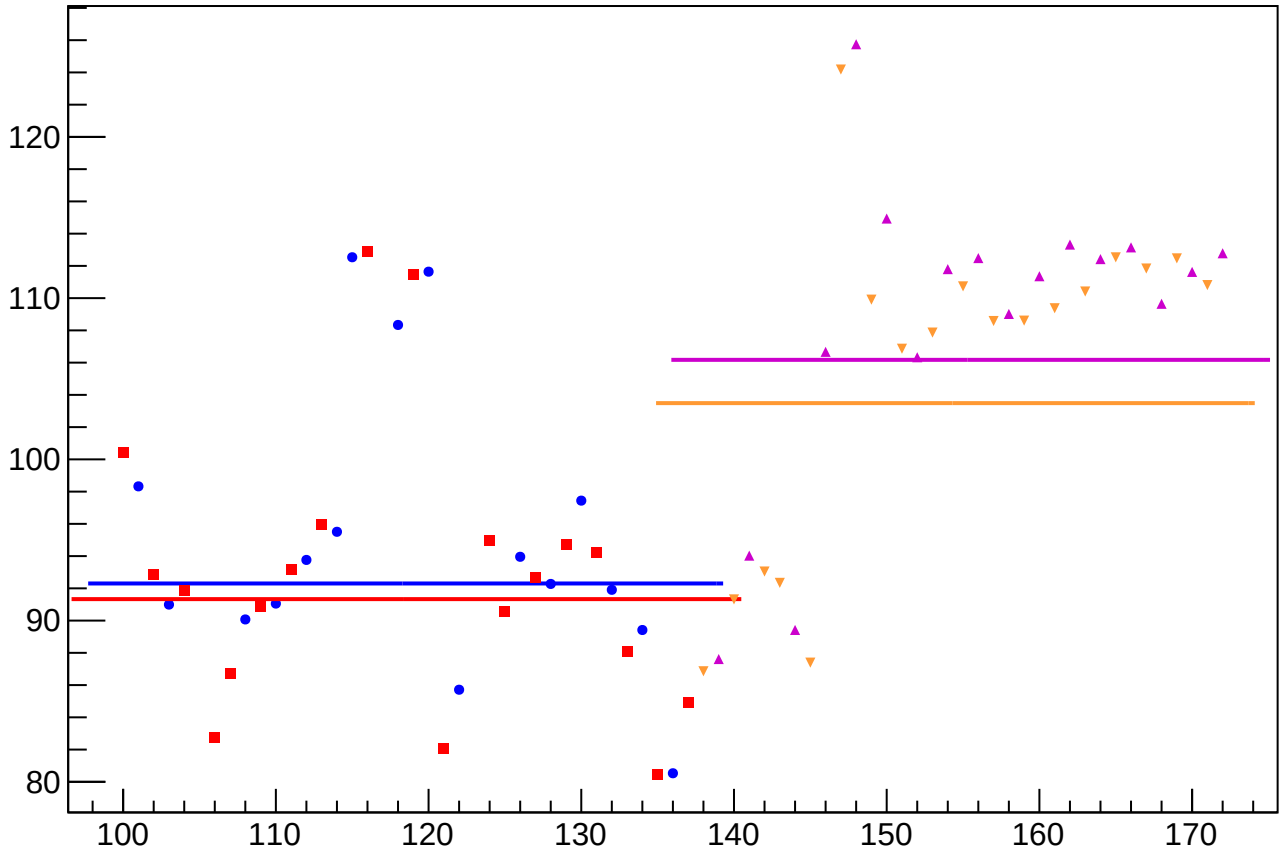
Left: -172.116+/-19.809 χ^2/NDF: 39.8/34

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -92.026+/-21.949 χ^2/NDF:55.9/32

Out: -104.601+/-21.296 χ^2/NDF:53.1/36

All: -98.503+/-15.284 χ^2/NDF: 109.3/69



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 103.489+/-0.019 χ^2/NDF:293108.3/17

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 106.173+/-0.020 χ^2/NDF:259768.3/16

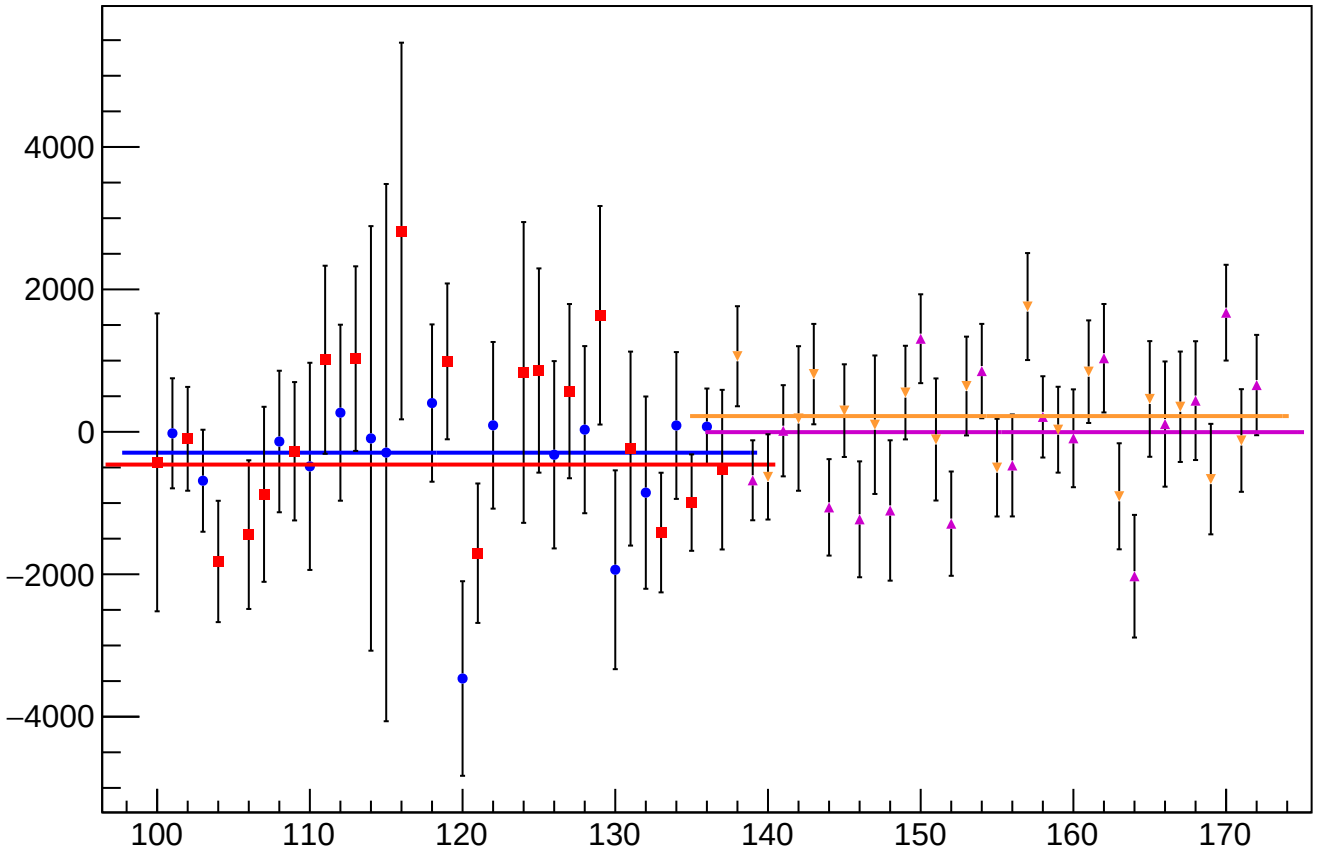
Left: 104.786+/-0.014 χ^2/NDF: 562047.5/34

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 100.535+/-0.016 χ^2/NDF:559512.3/32

Out: 98.590+/-0.015 χ^2/NDF:554815.7/36

All: 99.533+/-0.011 χ^2/NDF: 1122419.7/69



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 221.243+/-171.189 χ^2/NDF:15.1/17

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -4.268+/-170.959 χ^2/NDF:31.9/16

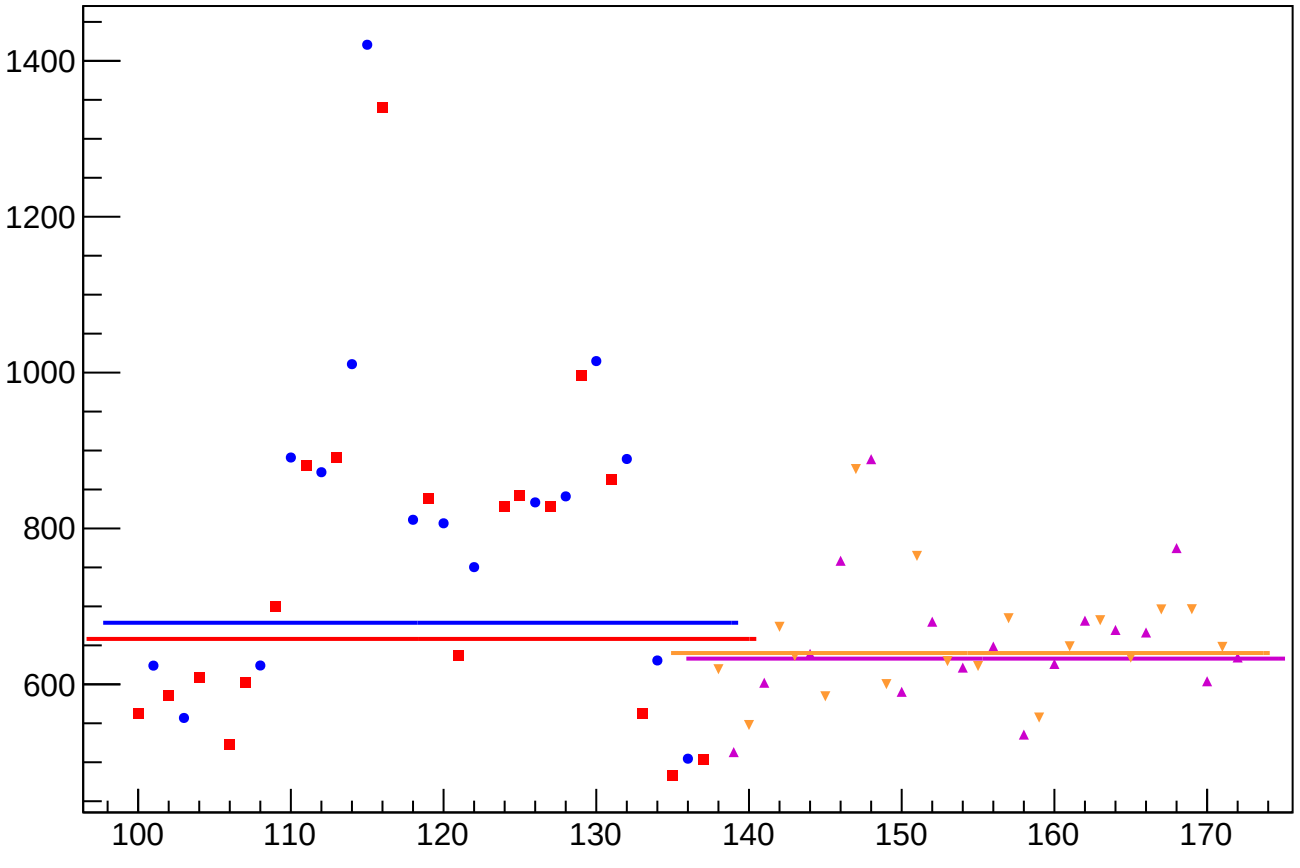
Left: 108.336+/-120.967 χ^2/NDF: 47.9/34

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -91.491+/-142.795 χ^2/NDF:41.6/32

Out: 3.368+/-141.165 χ^2/NDF:37.2/36

All: -43.517+/-100.390 χ^2/NDF: 79.0/69



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 640.155+/-0.121 χ^2/NDF:308111.8/17

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 632.980+/-0.121 χ^2/NDF:432659.8/16

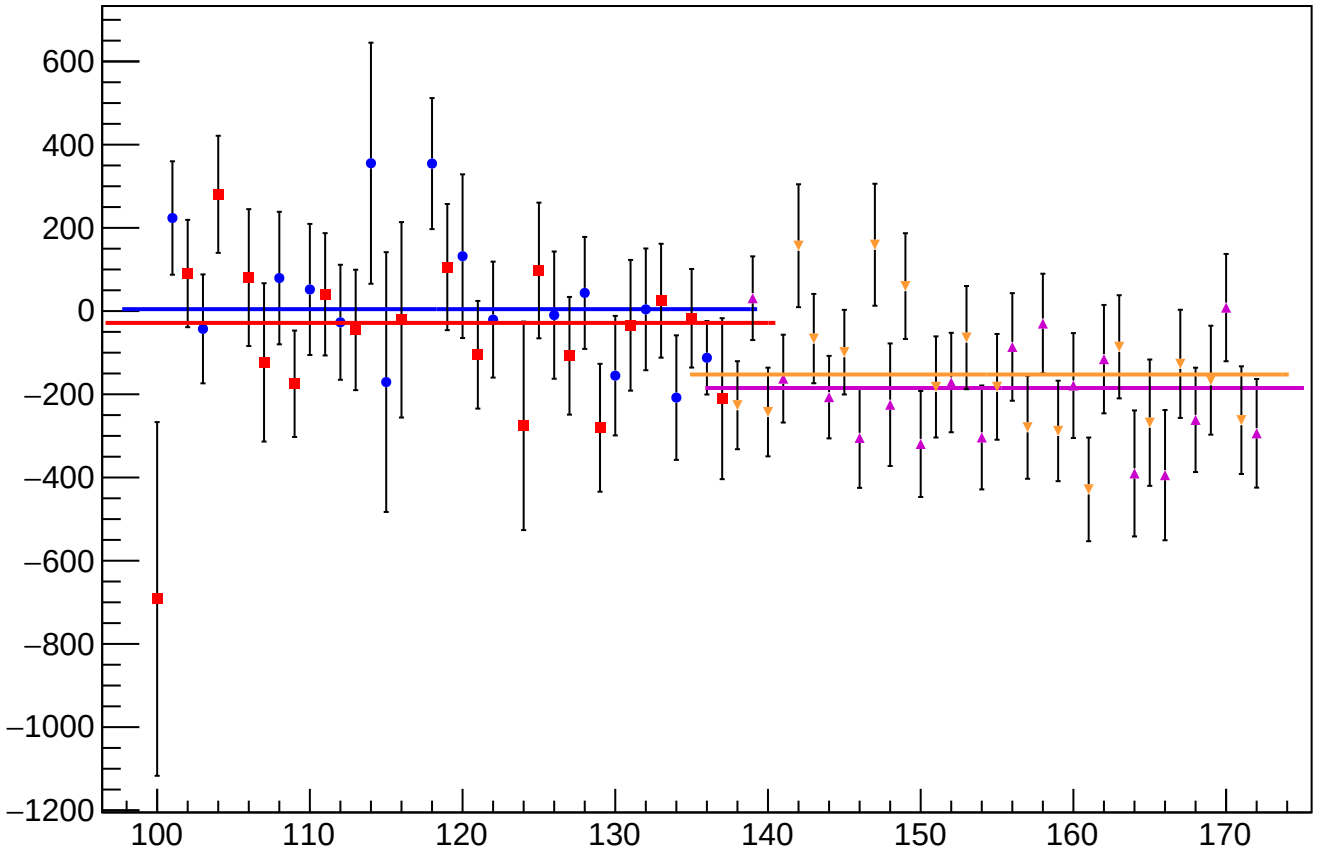
Left: 636.563+/-0.086 χ^2/NDF: 742530.6/34

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 646.895+/-0.101 χ^2/NDF:1244467.2/32

Out: 645.949+/-0.100 χ^2/NDF:1121170.0/36

All: 646.417+/-0.071 χ^2/NDF: 2365681.6/69



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -152.415+/-28.943 χ^2/NDF:23.3/17

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -184.890+/-29.884 χ^2/NDF:17.3/16

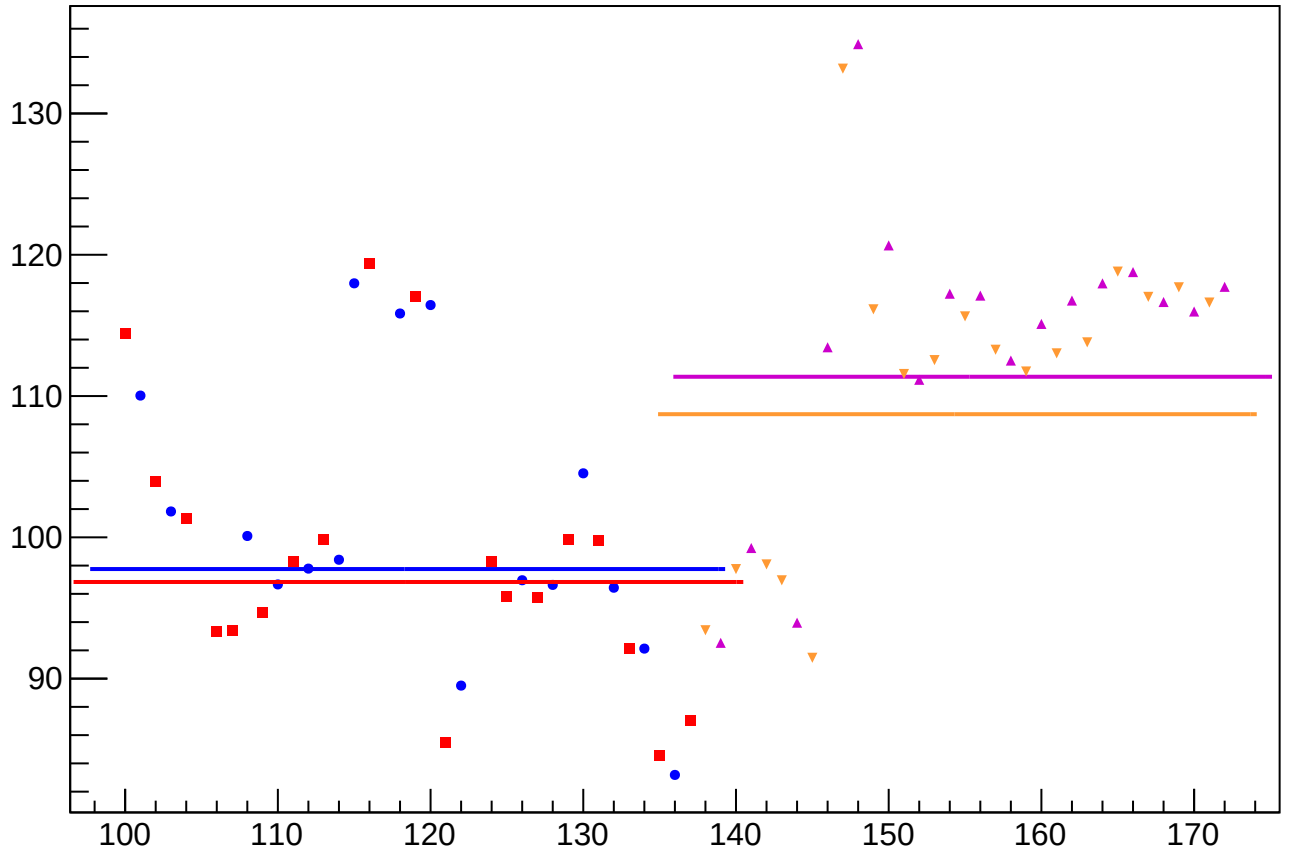
Left: -168.133+/-20.790 χ^2/NDF: 41.2/34

Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -108.859+/-23.125 χ^2/NDF:48.8/32

Out: -102.841+/-22.423 χ^2/NDF:47.8/36

All: -105.757+/-16.098 χ^2/NDF: 96.6/69



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 108.716+/-0.020 χ^2/NDF:269820.9/17

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: 109.999+/-0.015 χ^2/NDF: 531347.2/34

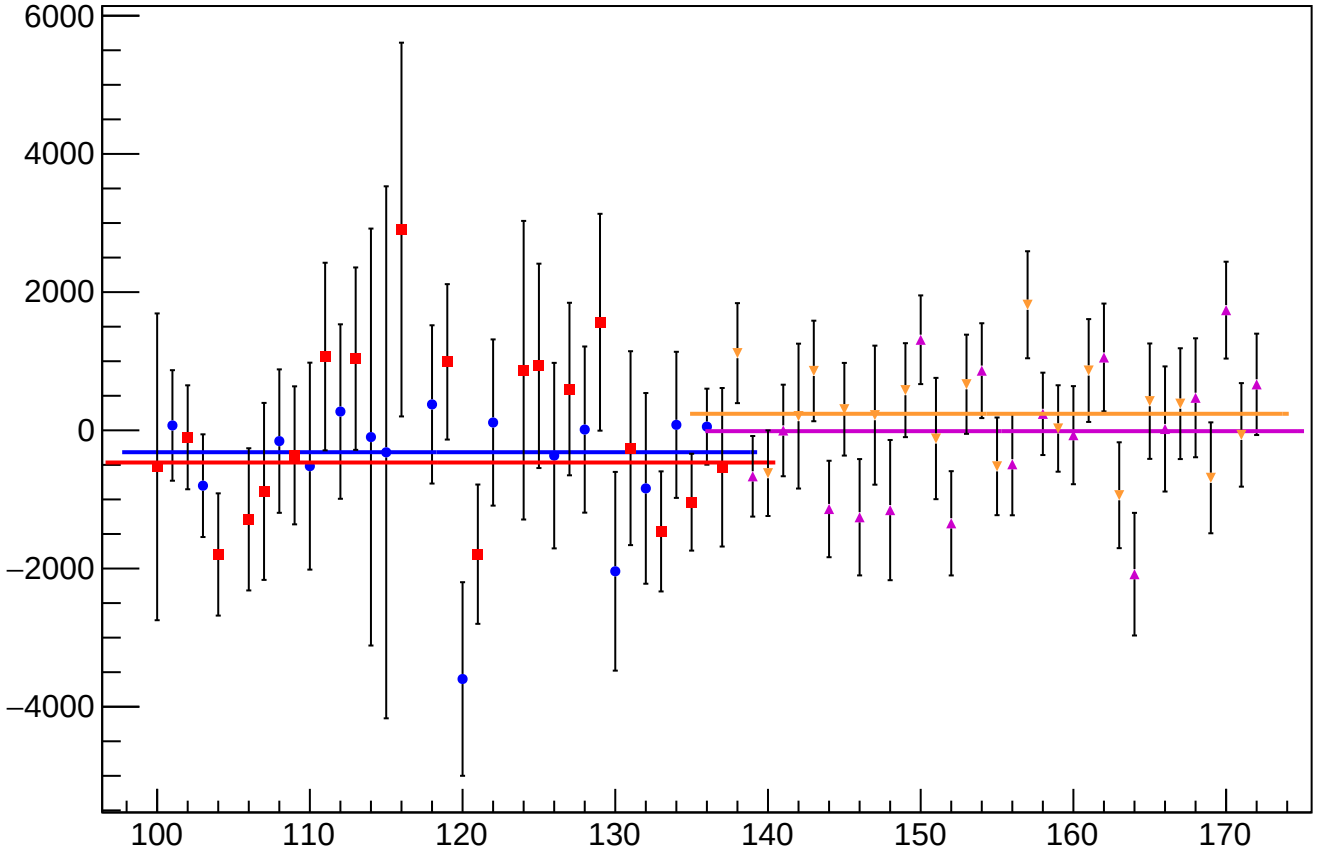
Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 105.906+/-0.016 χ^2/NDF:560497.3/32

Out: 103.968+/-0.016 χ^2/NDF:519619.9/36

All: 104.907+/-0.011 χ^2/NDF: 1087351.3/69

asym_sam_15_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 239.437+/-176.804 χ^2/NDF:15.0/17

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -11.960+/-176.851 χ^2/NDF:31.6/16

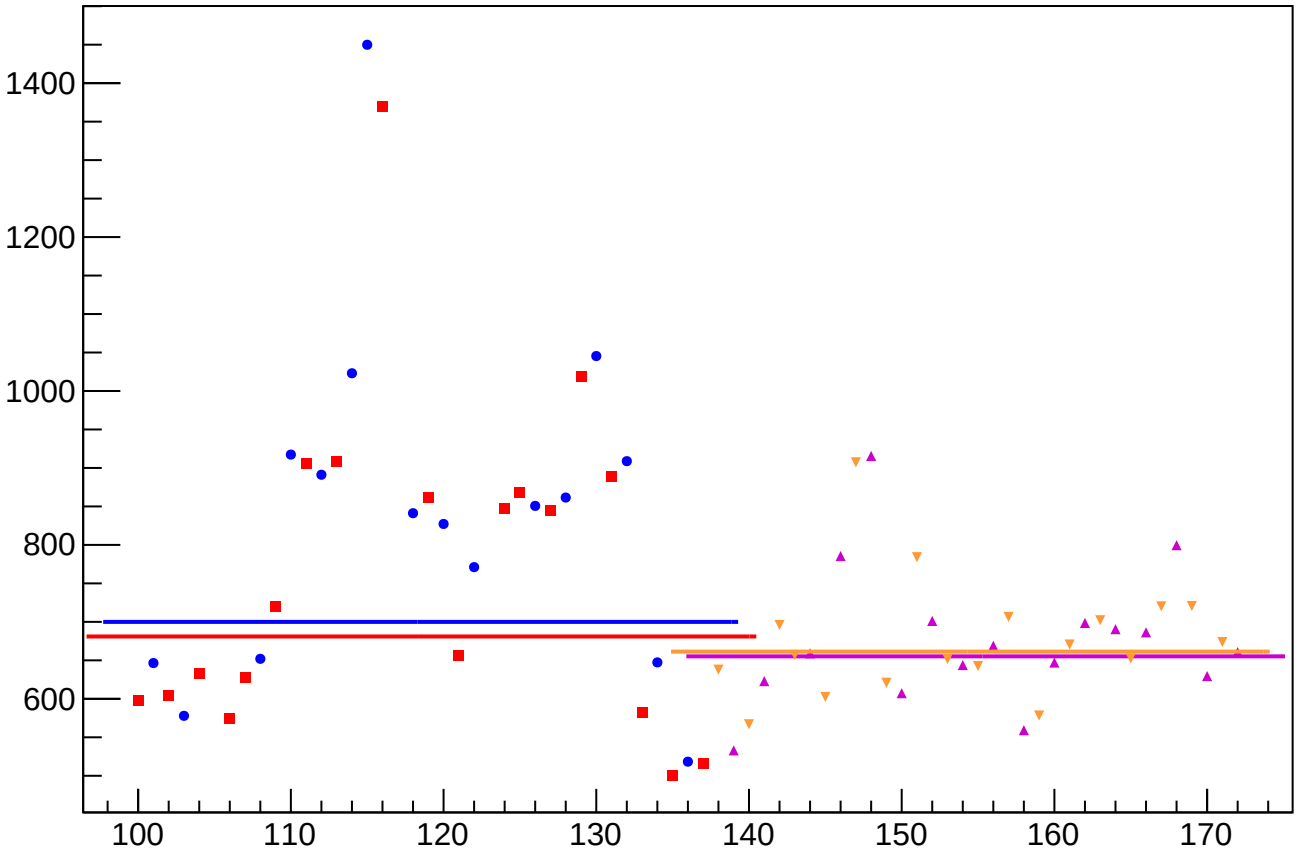
Left: 113.772+/-125.036 χ^2/NDF: 47.6/34

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -104.600+/-147.528 χ^2/NDF:41.7/32

Out: 12.534+/-145.598 χ^2/NDF:36.6/36

All: -45.262+/-103.629 χ^2/NDF: 78.6/69



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 661.386+/-0.125 χ^2/NDF:304092.6/17

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 655.181+/-0.125 χ^2/NDF:415014.2/16

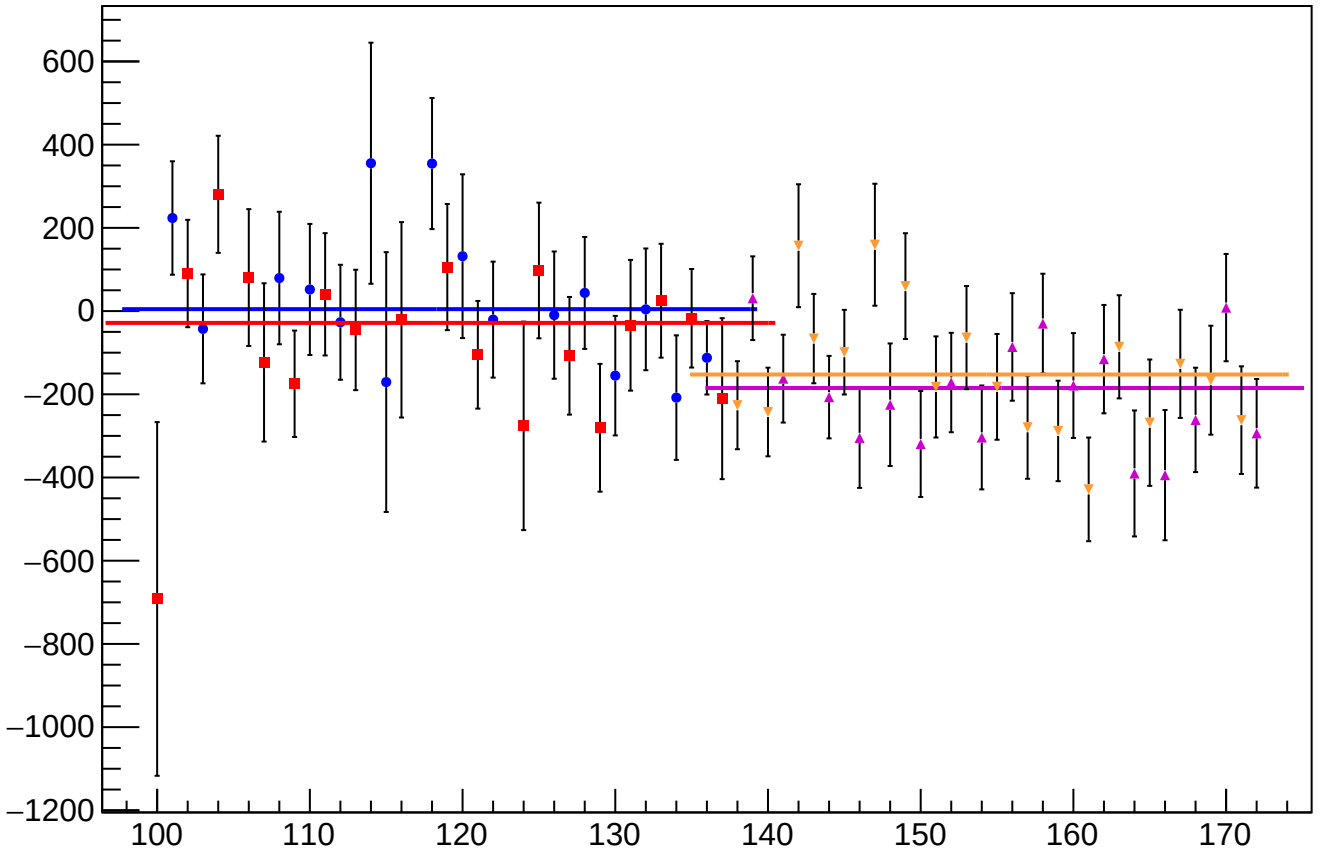
Left: 658.285+/-0.088 χ^2/NDF: 720338.2/34

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 668.803+/-0.104 χ^2/NDF:1207696.9/32

Out: 667.704+/-0.103 χ^2/NDF:1081424.5/36

All: 668.247+/-0.073 χ^2/NDF: 2289177.7/69



Right In: 4.620+/-36.509 χ^2/NDF: 15.3/15

Left Out: -152.415+/-28.943 χ^2/NDF:23.3/17

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -184.890+/-29.884 χ^2/NDF:17.3/16

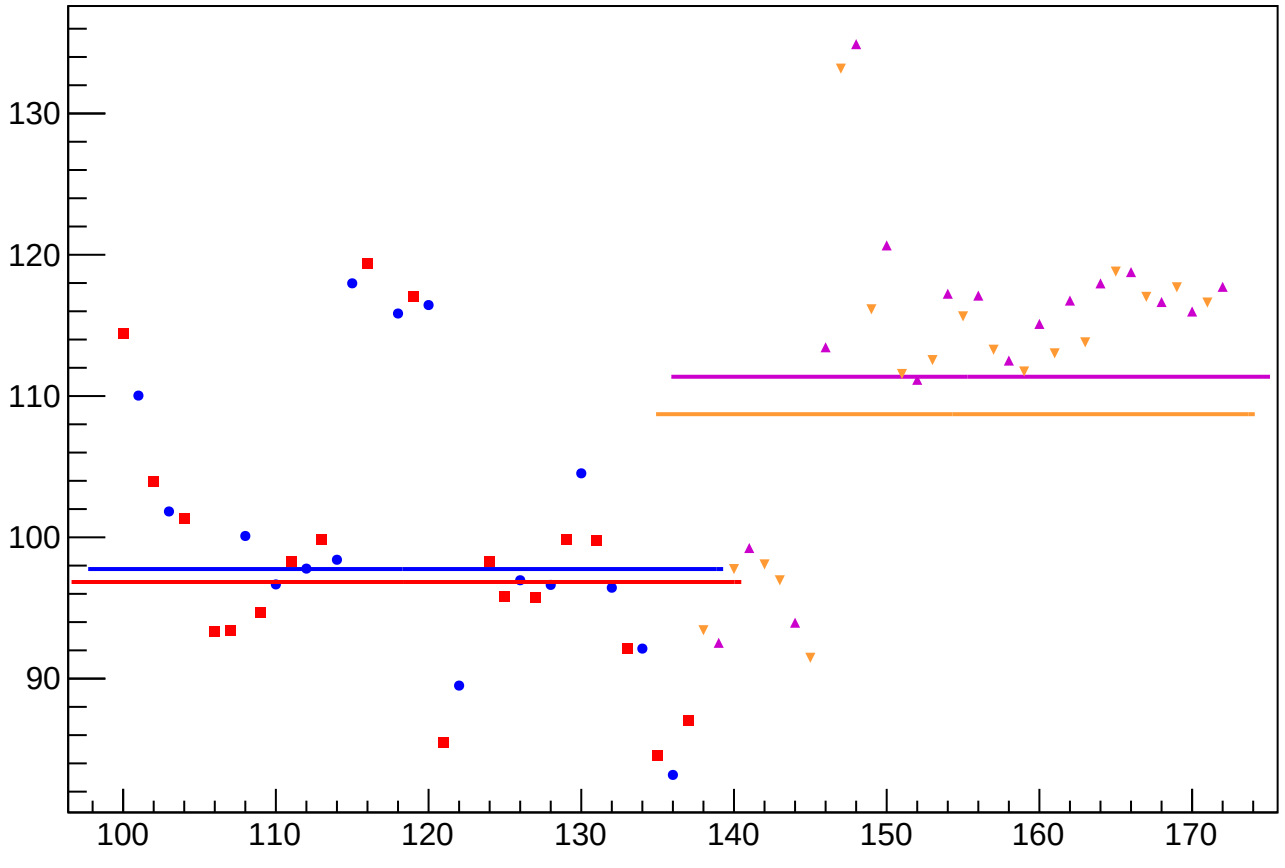
Left: -168.133+/-20.790 χ^2/NDF: 41.2/34

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -108.858+/-23.125 χ^2/NDF:48.8/32

Out: -102.841+/-22.423 χ^2/NDF:47.8/36

All: -105.757+/-16.098 χ^2/NDF: 96.6/69



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 108.716+/-0.020 χ^2/NDF:269819.7/17

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 111.366+/-0.021 χ^2/NDF:253410.2/16

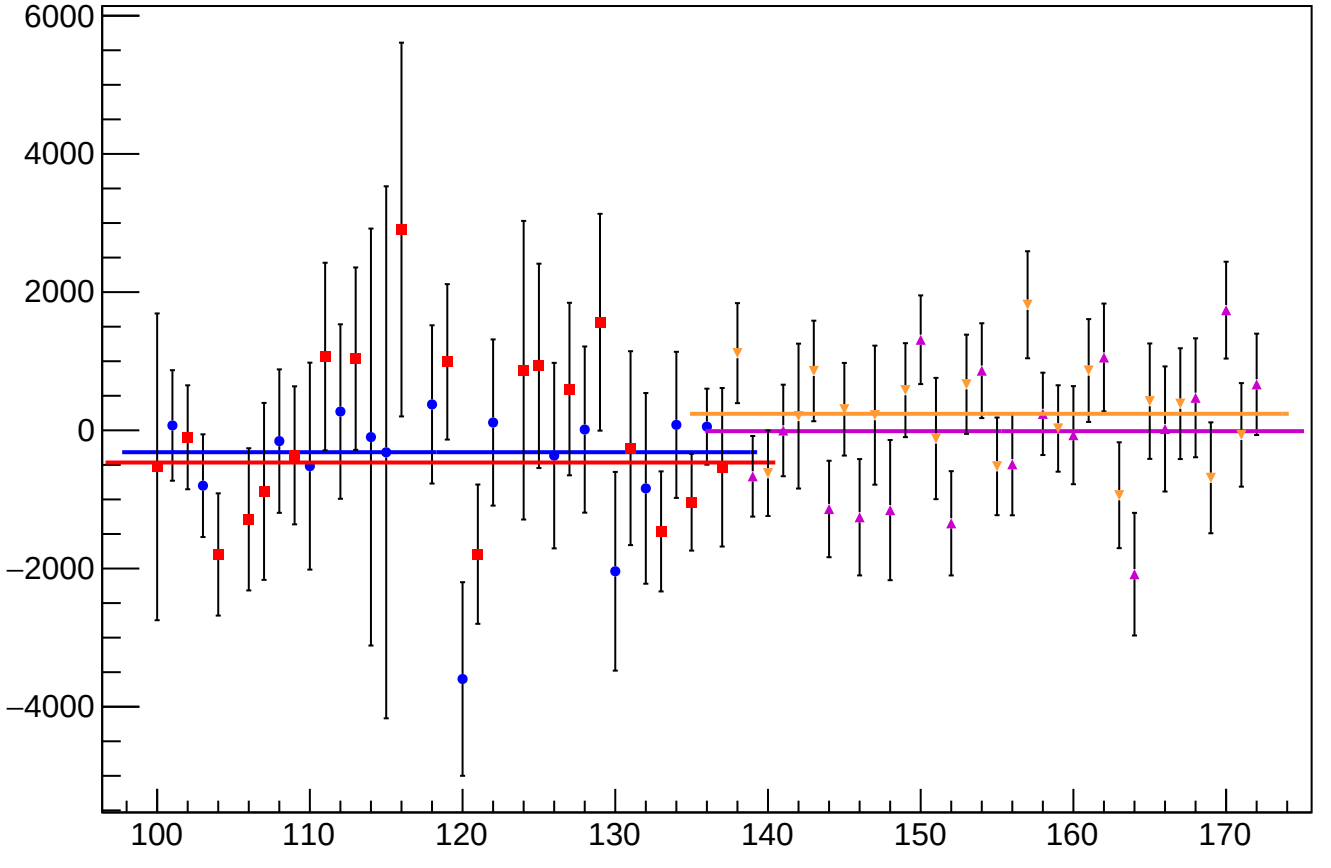
Left: 109.999+/-0.015 χ^2/NDF: 531343.7/34

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 105.906+/-0.016 χ^2/NDF:560505.0/32

Out: 103.968+/-0.016 χ^2/NDF:519629.9/36

All: 104.907+/-0.011 χ^2/NDF: 1087369.2/69



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 239.437+/-176.804 χ^2/NDF:15.0/17

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: 113.772+/-125.036 χ^2/NDF: 47.6/34

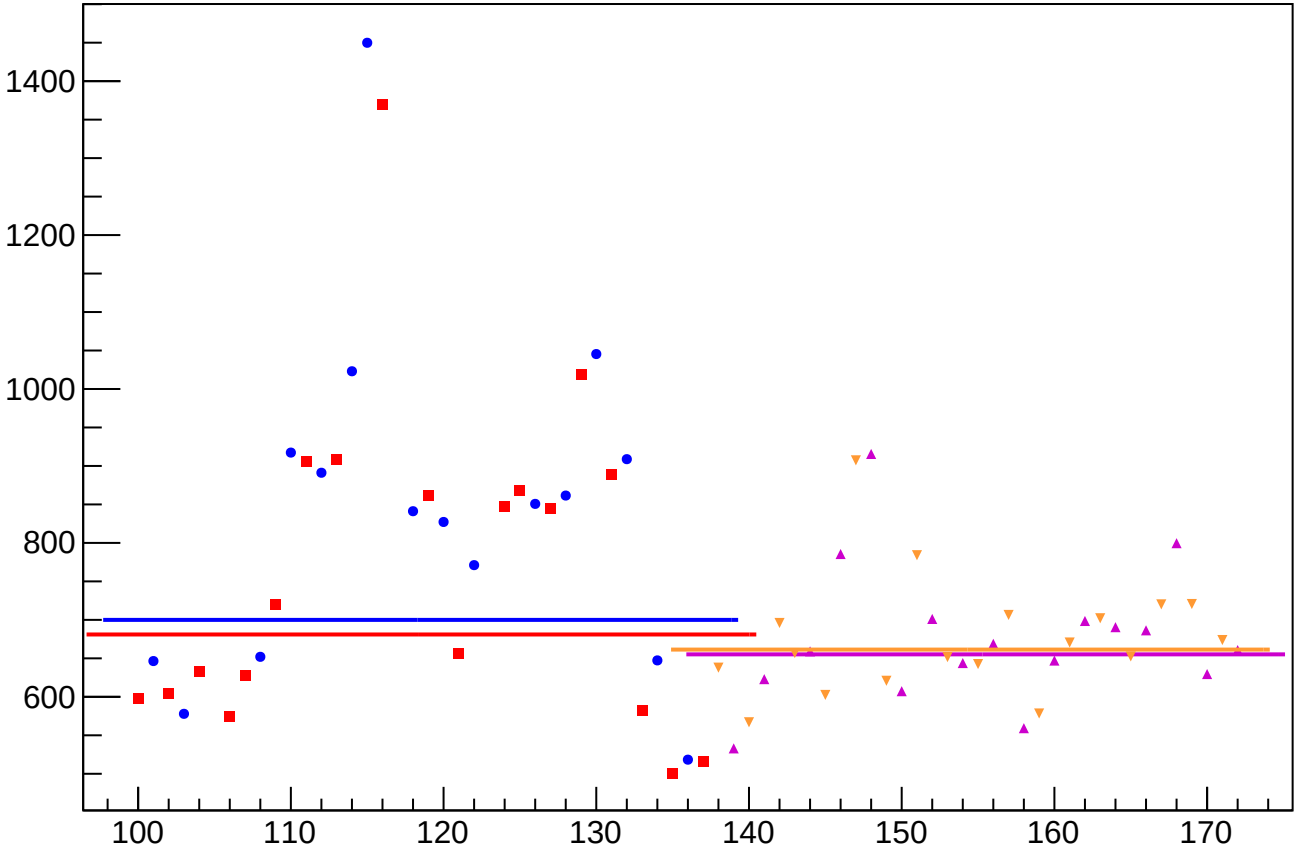
Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -104.600+/-147.528 χ^2/NDF:41.7/32

Out: 12.532+/-145.598 χ^2/NDF:36.6/36

All: -45.263+/-103.629 χ^2/NDF: 78.6/69

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 661.387+/-0.125 χ^2/NDF:304092.7/17

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: 658.285+/-0.088 χ^2/NDF: 720338.7/34

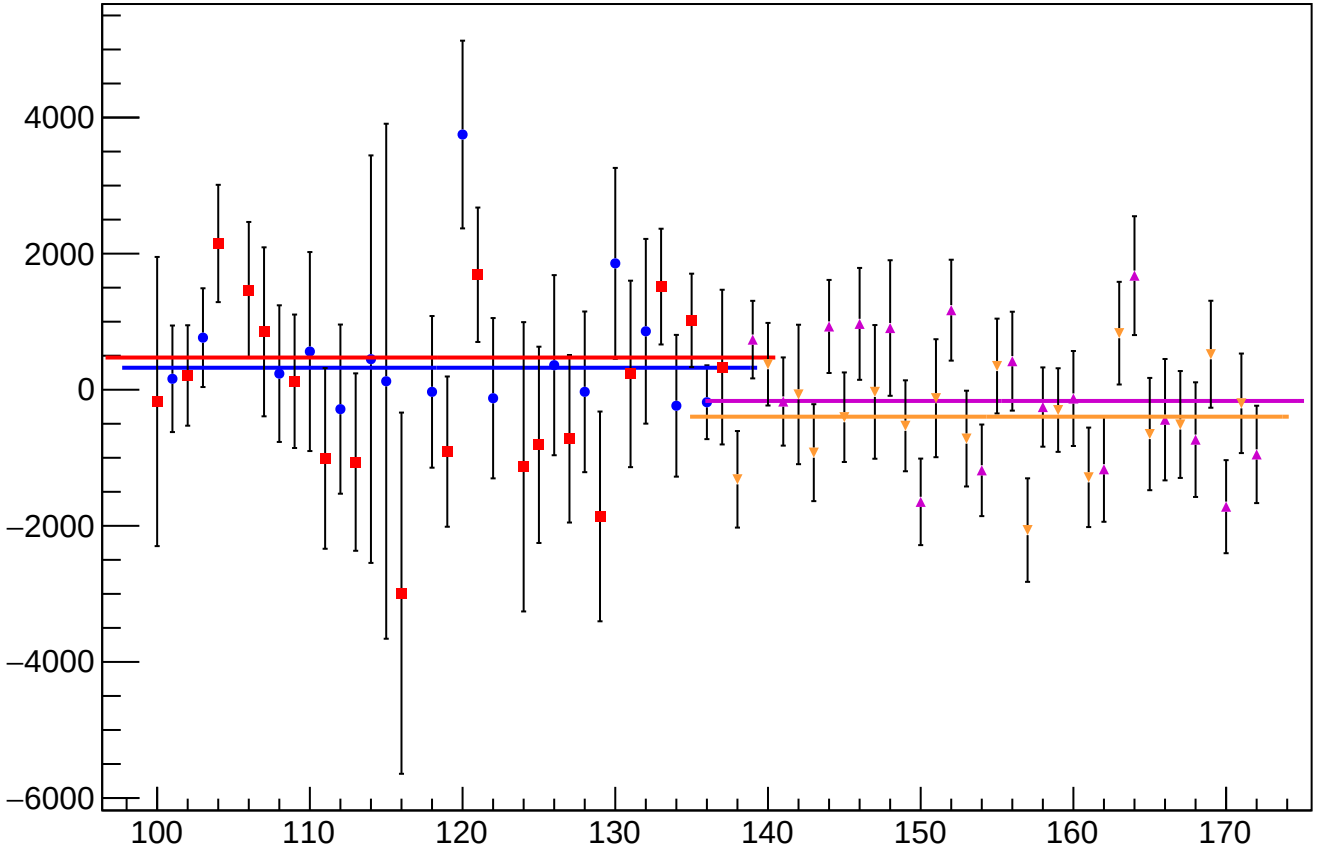
Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 668.804+/-0.104 χ^2/NDF:1207696.5/32

Out: 667.704+/-0.103 χ^2/NDF:1081426.0/36

All: 668.247+/-0.073 χ^2/NDF: 2289178.7/69

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -396.054+/-173.535 χ^2/NDF:16.1/17

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: -280.385+/-122.689 χ^2/NDF: 49.8/34

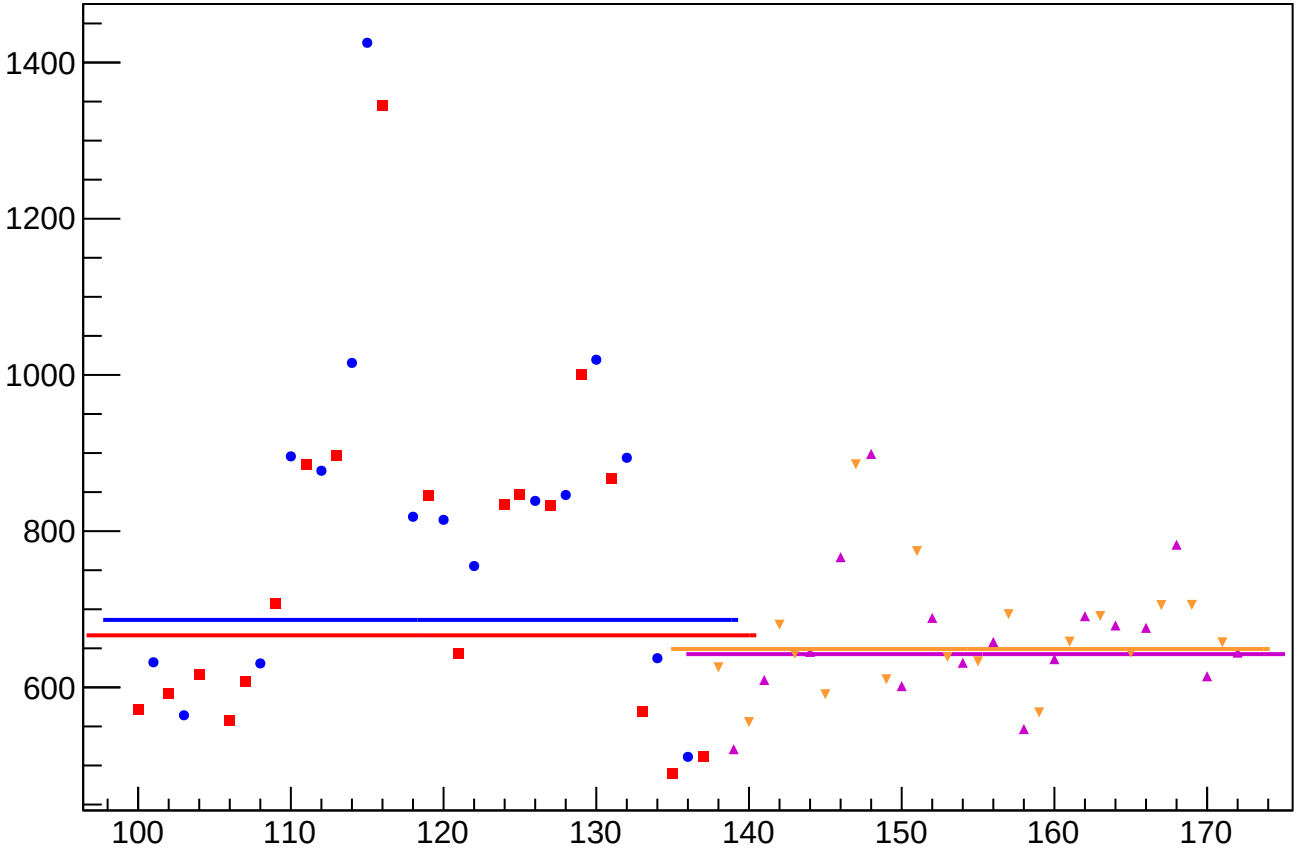
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: -16.308+/-144.704 χ^2/NDF:44.9/32

Out: -115.419+/-142.802 χ^2/NDF:43.6/36

All: -66.519+/-101.642 χ^2/NDF: 88.8/69

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 649.113+/-0.123 χ^2/NDF:302306.1/17

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: 645.841+/-0.087 χ^2/NDF: 723252.9/34

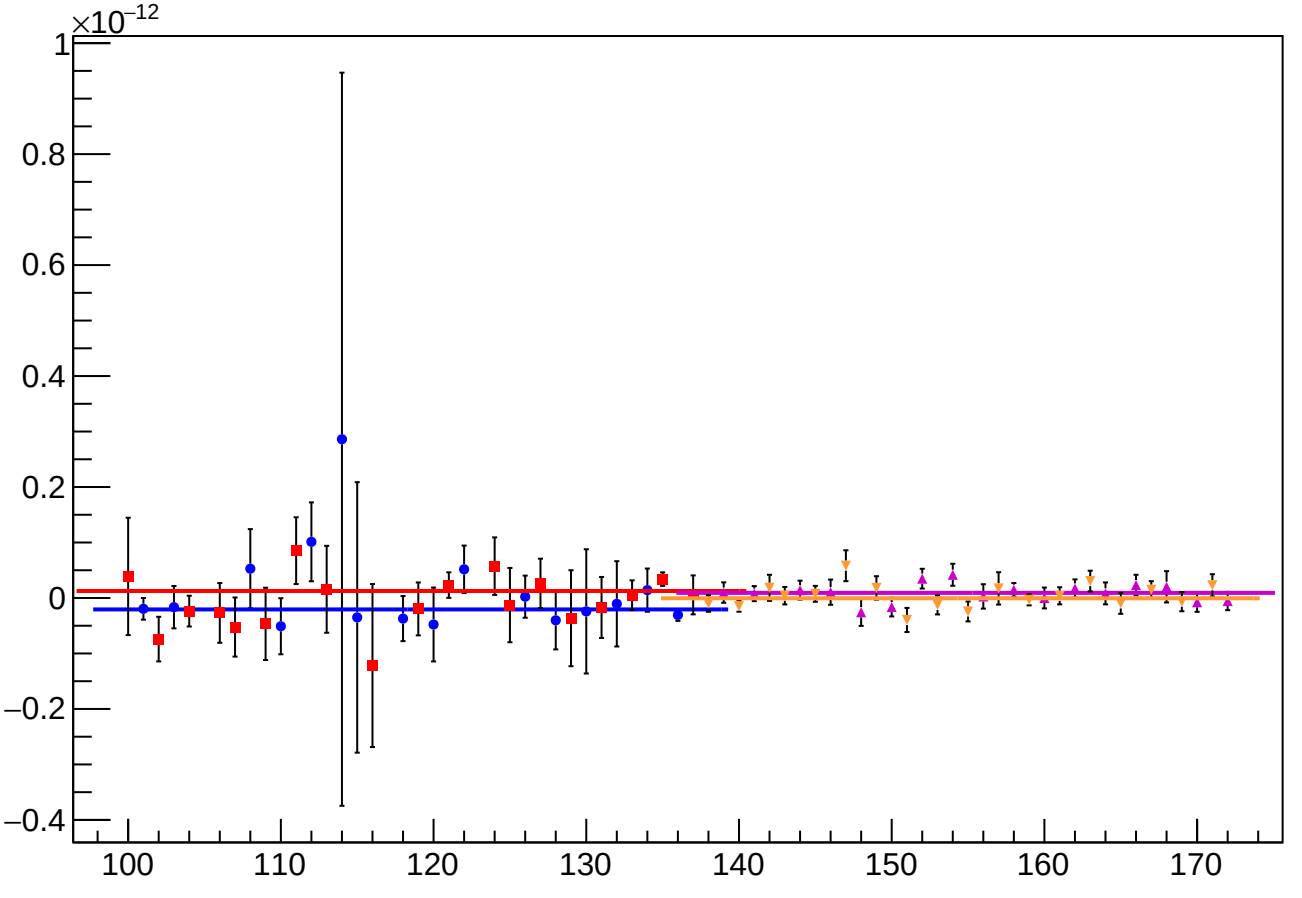
Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 655.905+/-0.102 χ^2/NDF:1207811.1/32

Out: 654.769+/-0.101 χ^2/NDF:1085922.3/36

All: 655.330+/-0.072 χ^2/NDF: 2293795.7/69

asym_sam_15_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.4/16

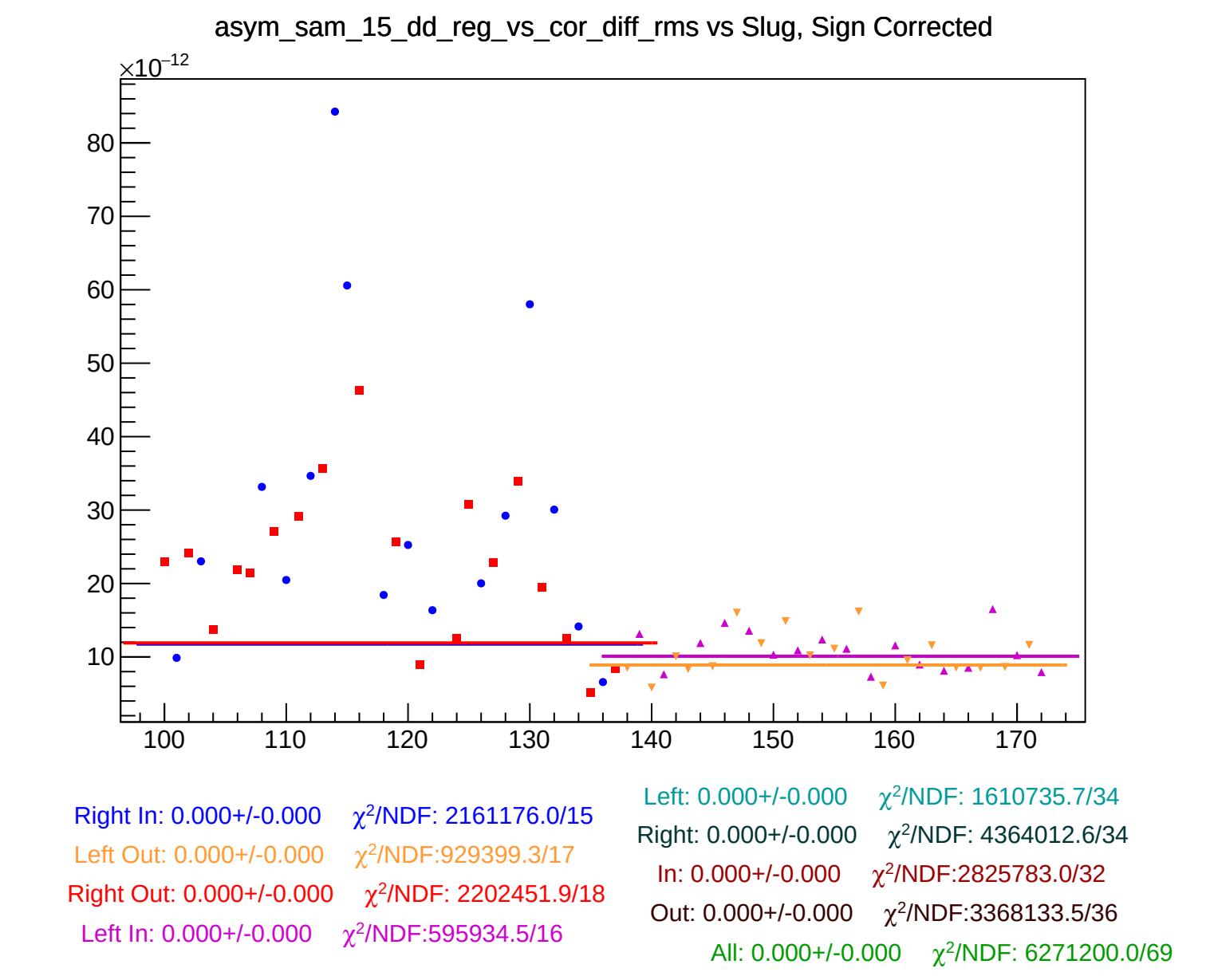
Left: 0.000+/-0.000 χ^2/NDF: 35.4/34

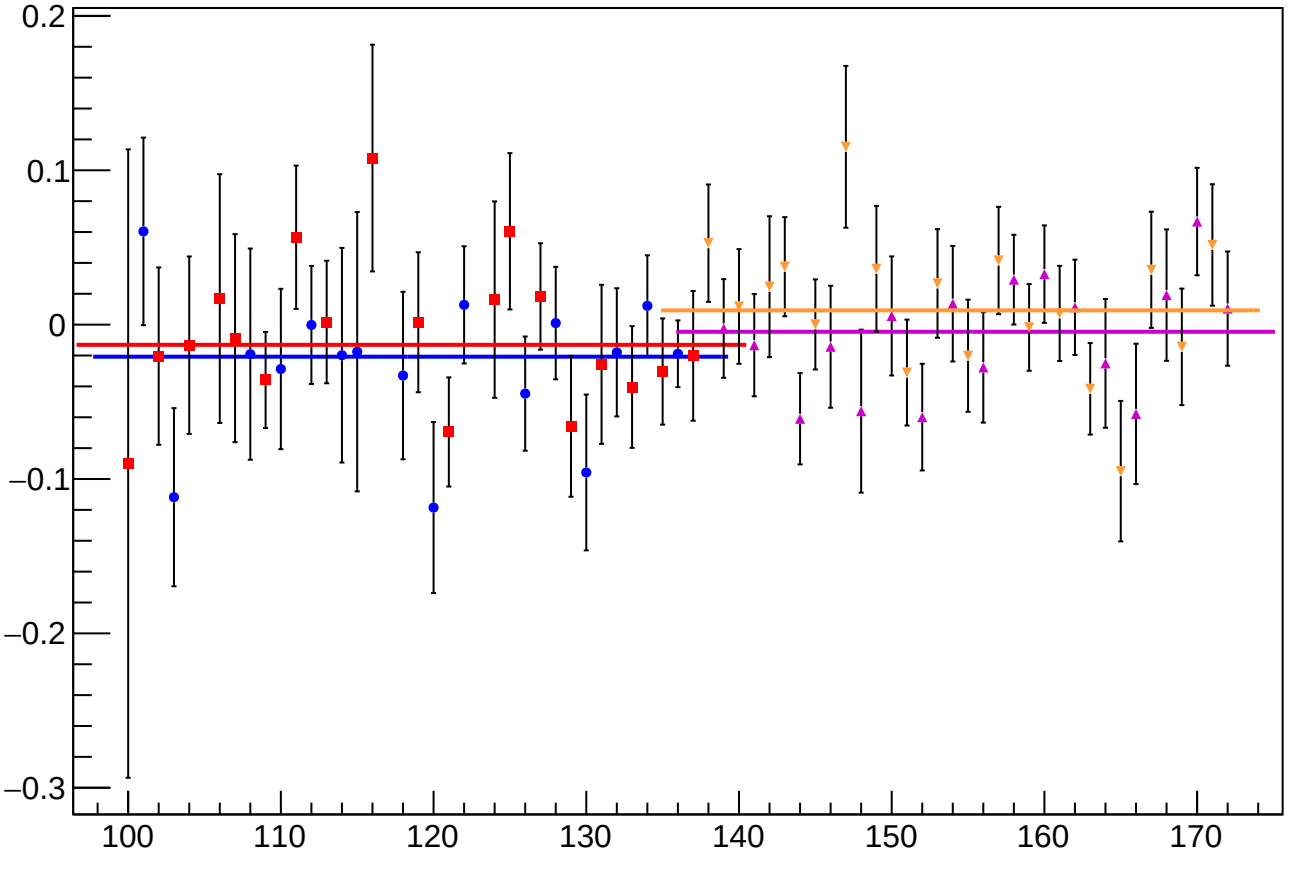
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:33.5/32

Out: 0.000+/-0.000 χ^2/NDF:39.5/36

All: 0.000+/-0.000 χ^2/NDF: 73.0/69


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:929399.3/17
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: 1610735.7/34
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:3368133.5/36
All: 0.000+/-0.000 χ²/NDF: 6271200.0/69



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.009+/-0.008 χ^2/NDF:20.3/17

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: 39.0/34

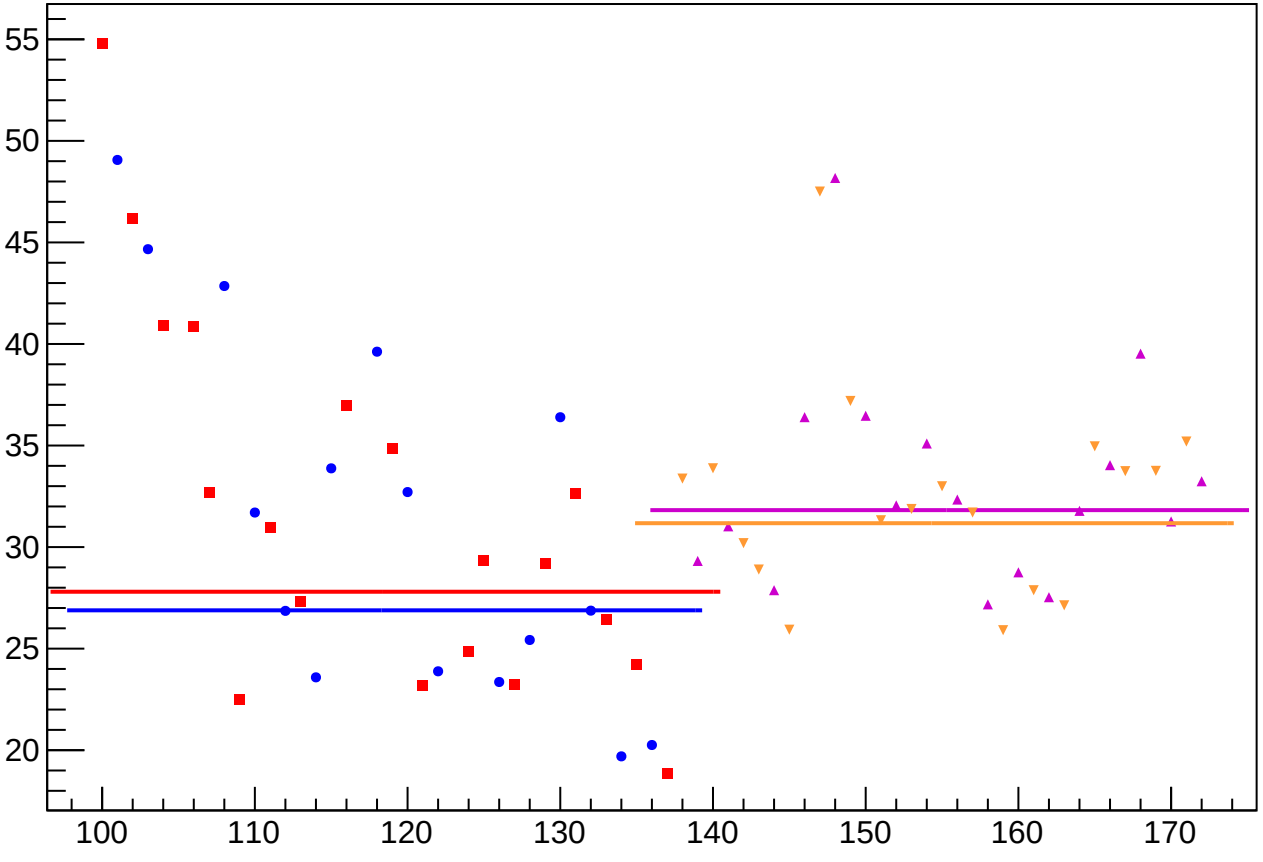
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.011+/-0.007 χ^2/NDF:31.3/32

Out: 0.001+/-0.007 χ^2/NDF:37.0/36

All: -0.005+/-0.005 χ^2/NDF: 69.8/69

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.176+/-0.006 χ^2/NDF:520687.4/17

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.820+/-0.006 χ^2/NDF:494771.5/16

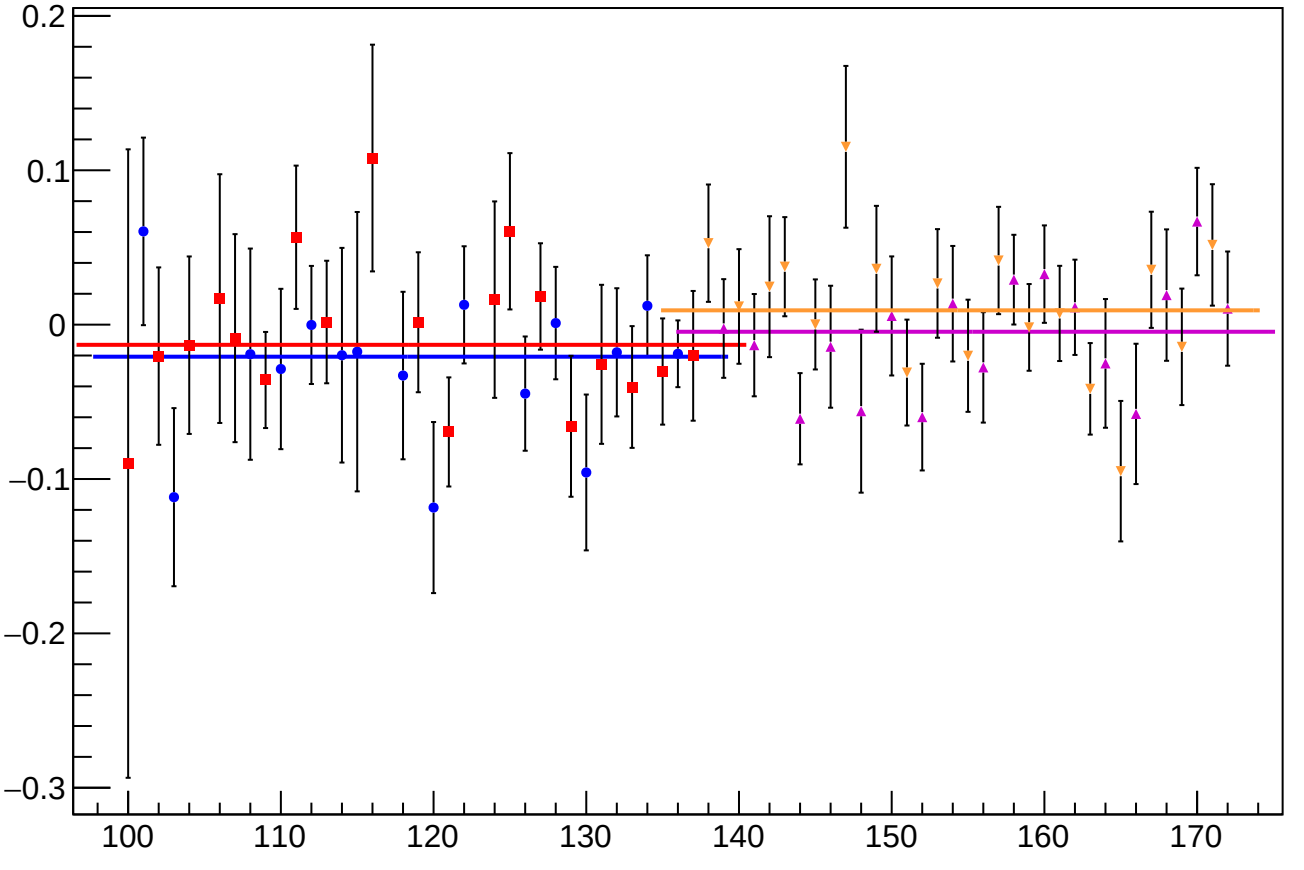
Left: 31.488+/-0.004 χ^2/NDF: 1021188.2/34

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.834+/-0.005 χ^2/NDF:1878716.7/32

Out: 29.870+/-0.005 χ^2/NDF:1409363.8/36

All: 29.852+/-0.003 χ^2/NDF: 3288109.6/69



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.009+/-0.008 χ^2/NDF:20.3/17

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.005+/-0.009 χ^2/NDF:17.3/16

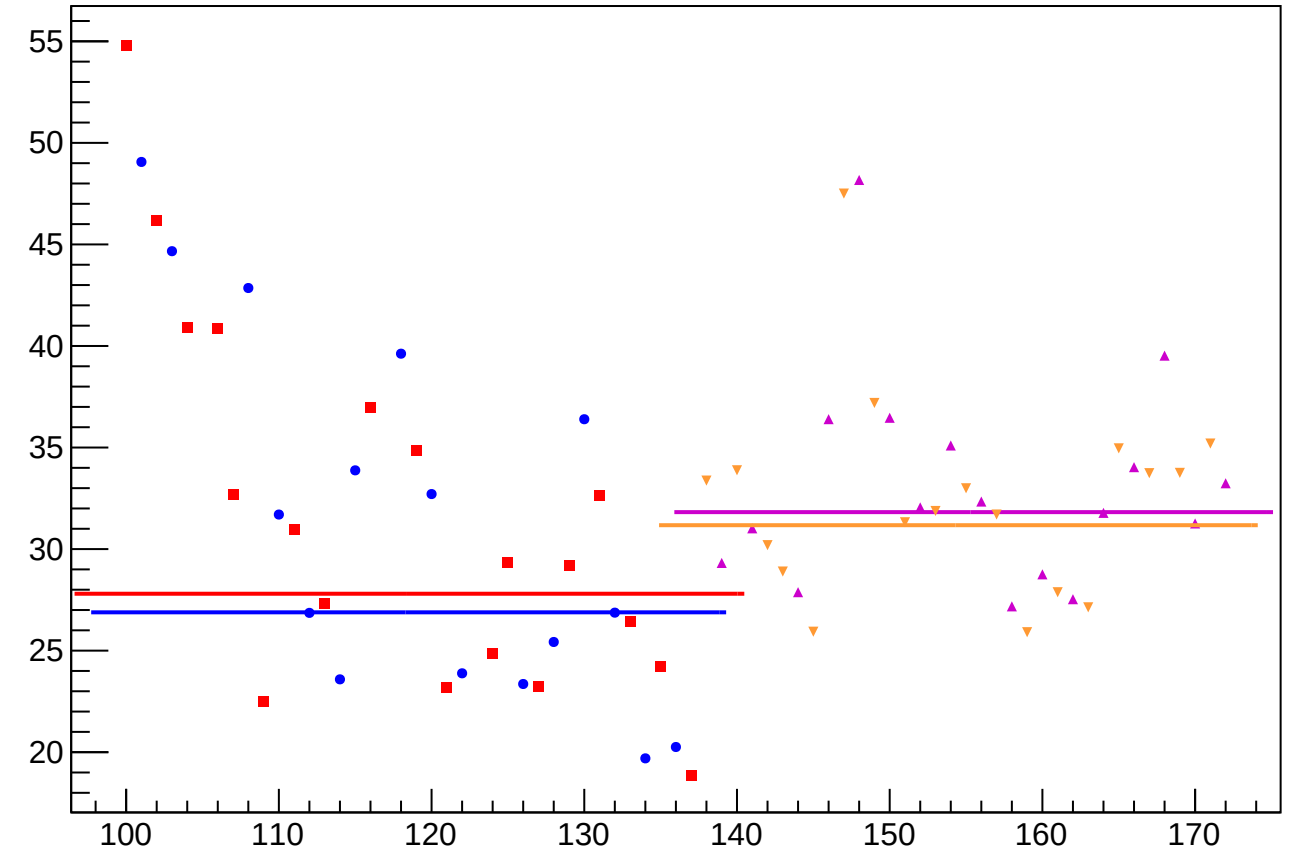
Left: 0.003+/-0.006 χ^2/NDF: 39.0/34

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.011+/-0.007 χ^2/NDF:31.3/32

Out: 0.001+/-0.007 χ^2/NDF:37.0/36

All: -0.005+/-0.005 χ^2/NDF: 69.8/69



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.176+/-0.006 χ^2/NDF:520687.4/17

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.820+/-0.006 χ^2/NDF:494771.5/16

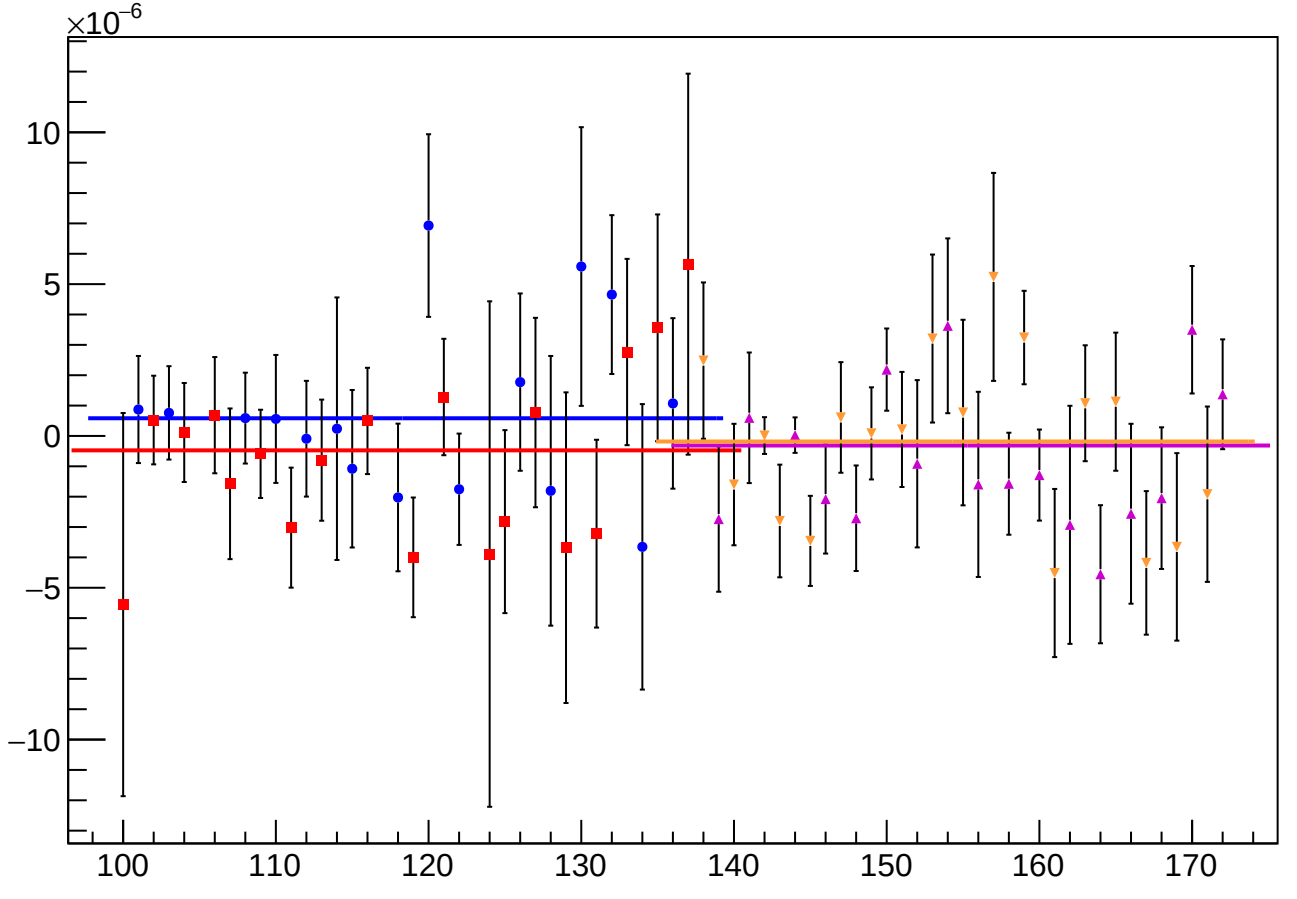
Left: 31.488+/-0.004 χ^2/NDF: 1021188.2/34

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.834+/-0.005 χ^2/NDF:1878716.7/32

Out: 29.870+/-0.005 χ^2/NDF:1409363.8/36

All: 29.852+/-0.003 χ^2/NDF: 3288109.6/69



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.6/17

Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: -0.000+/-0.000 χ^2/NDF:20.1/16

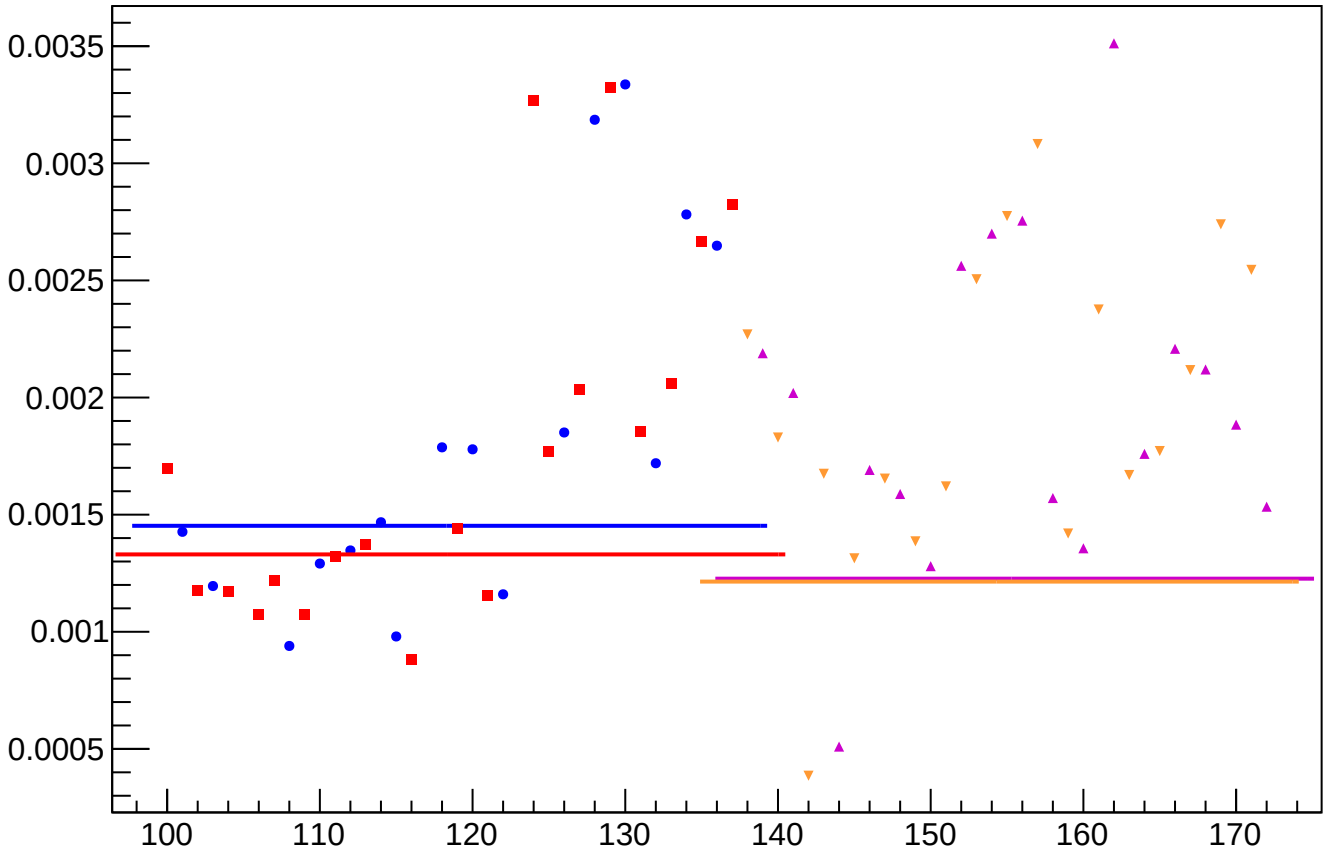
Left: -0.000+/-0.000 χ^2/NDF: 45.7/34

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:39.0/36

All: -0.000+/-0.000 χ^2/NDF: 73.8/69



Right In: 0.001+/-0.000 χ^2/NDF: 1710487.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:8013040.4/17

Right Out: 0.001+/-0.000 χ^2/NDF: 1402821.5/18

Left In: 0.001+/-0.000 χ^2/NDF:6982130.6/16

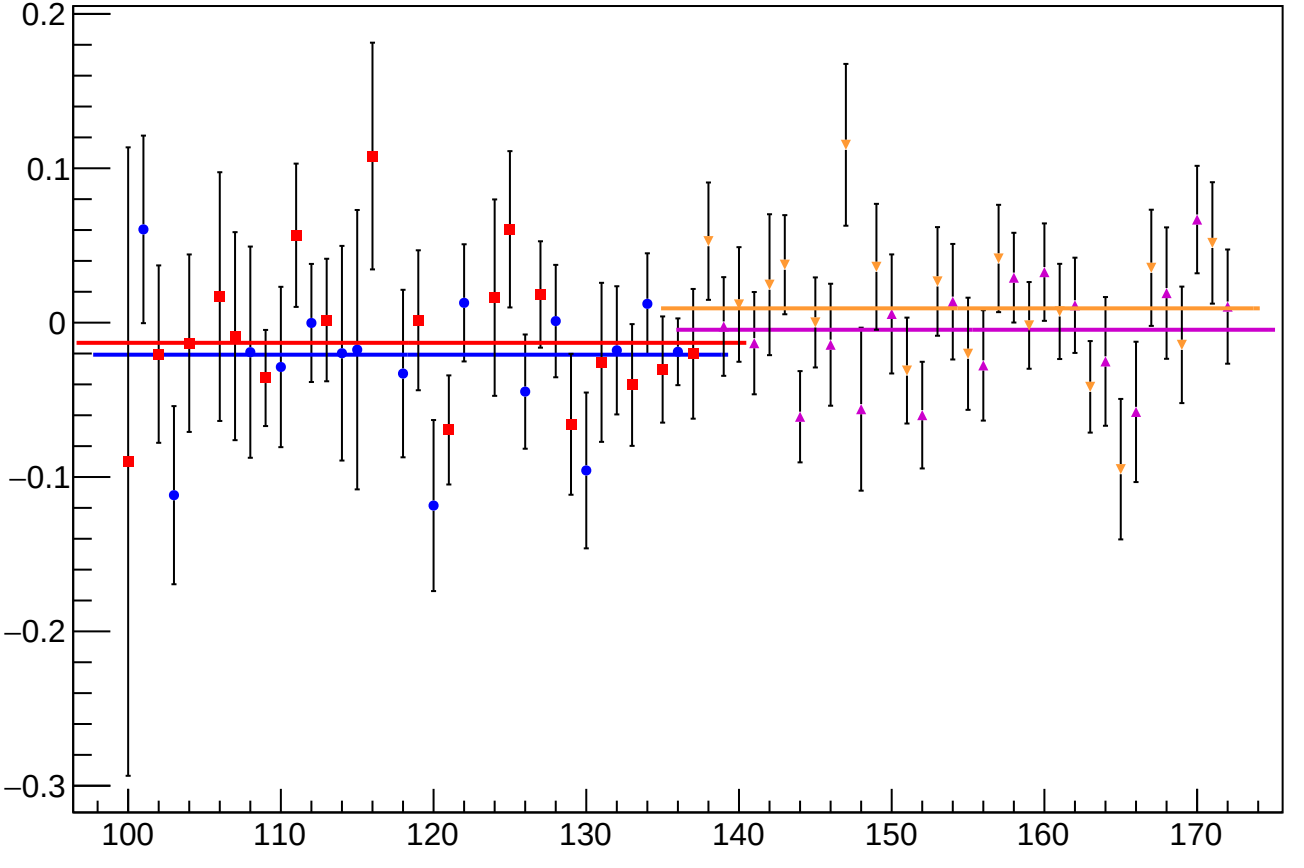
Left: 0.001+/-0.000 χ^2/NDF: 14996210.4/34

Right: 0.001+/-0.000 χ^2/NDF: 3162860.5/34

In: 0.001+/-0.000 χ^2/NDF:8904461.6/32

Out: 0.001+/-0.000 χ^2/NDF:9479988.9/36

All: 0.001+/-0.000 χ^2/NDF: 18400738.6/69



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.009+/-0.008 χ^2/NDF:20.3/17

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: 39.0/34

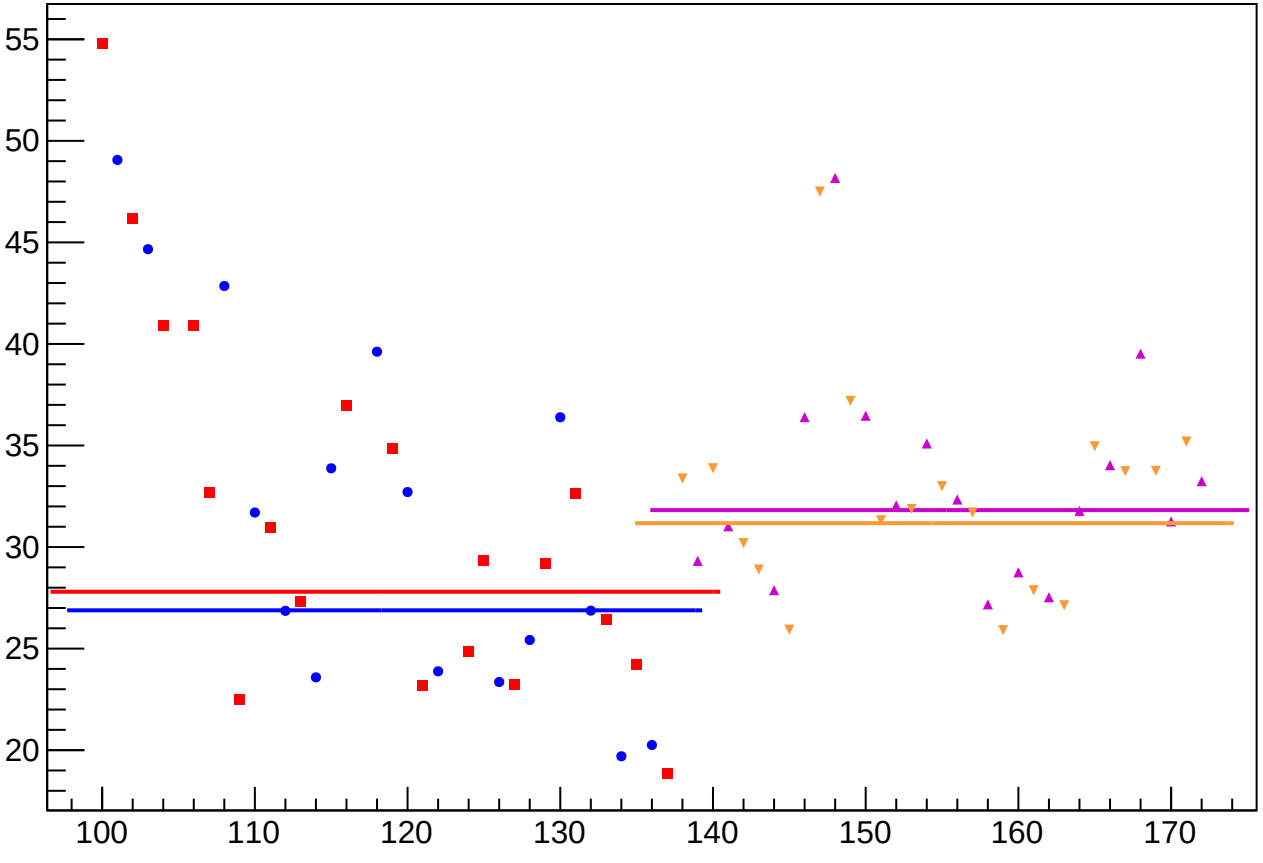
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.011+/-0.007 χ^2/NDF:31.3/32

Out: 0.001+/-0.007 χ^2/NDF:37.0/36

All: -0.005+/-0.005 χ^2/NDF: 69.8/69

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.176+/-0.006 χ^2/NDF:520807.3/17

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: 31.488+/-0.004 χ^2/NDF: 1021410.1/34

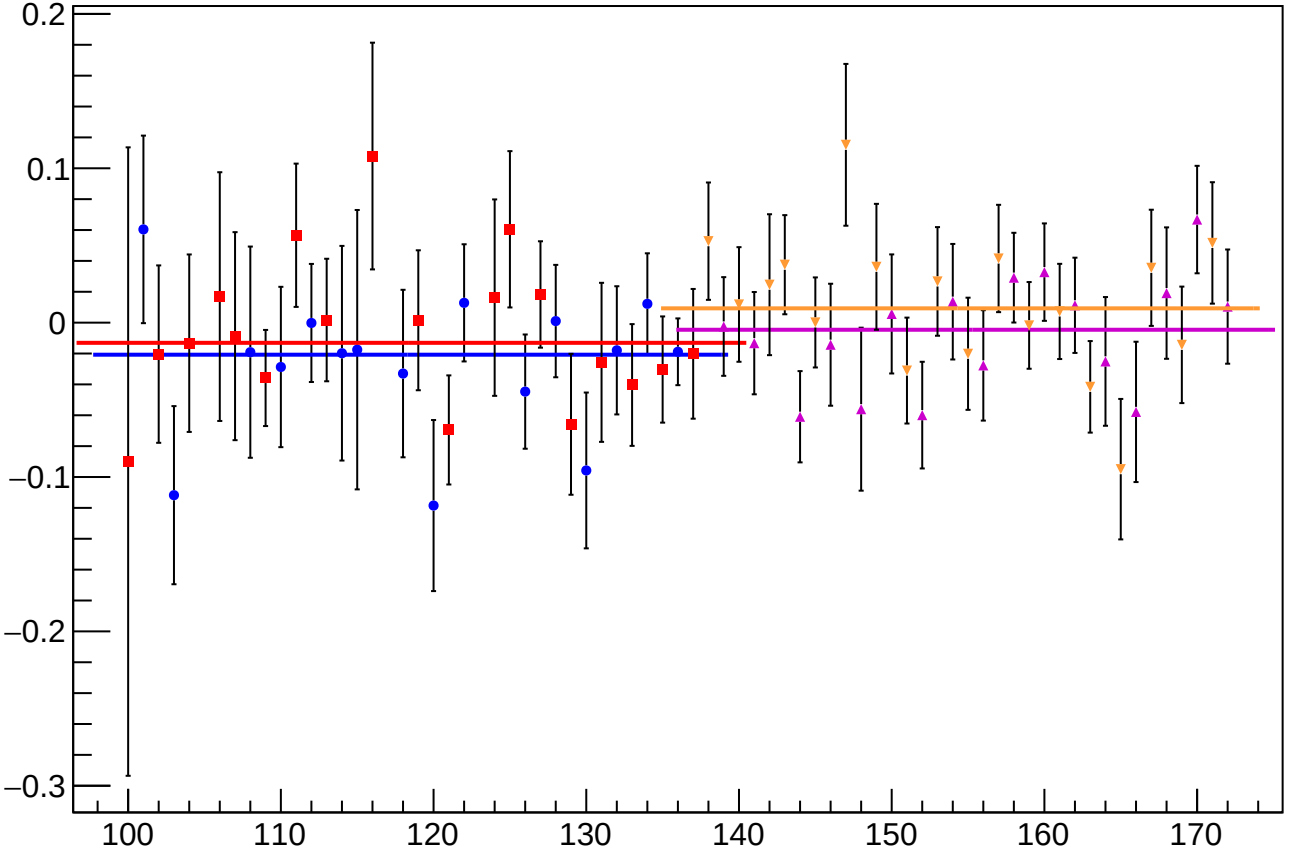
Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.834+/-0.005 χ^2/NDF:1878926.8/32

Out: 29.869+/-0.005 χ^2/NDF:1409688.8/36

All: 29.852+/-0.003 χ^2/NDF: 3288644.4/69

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: 0.009+/-0.008 χ^2/NDF:20.3/17

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: 39.0/34

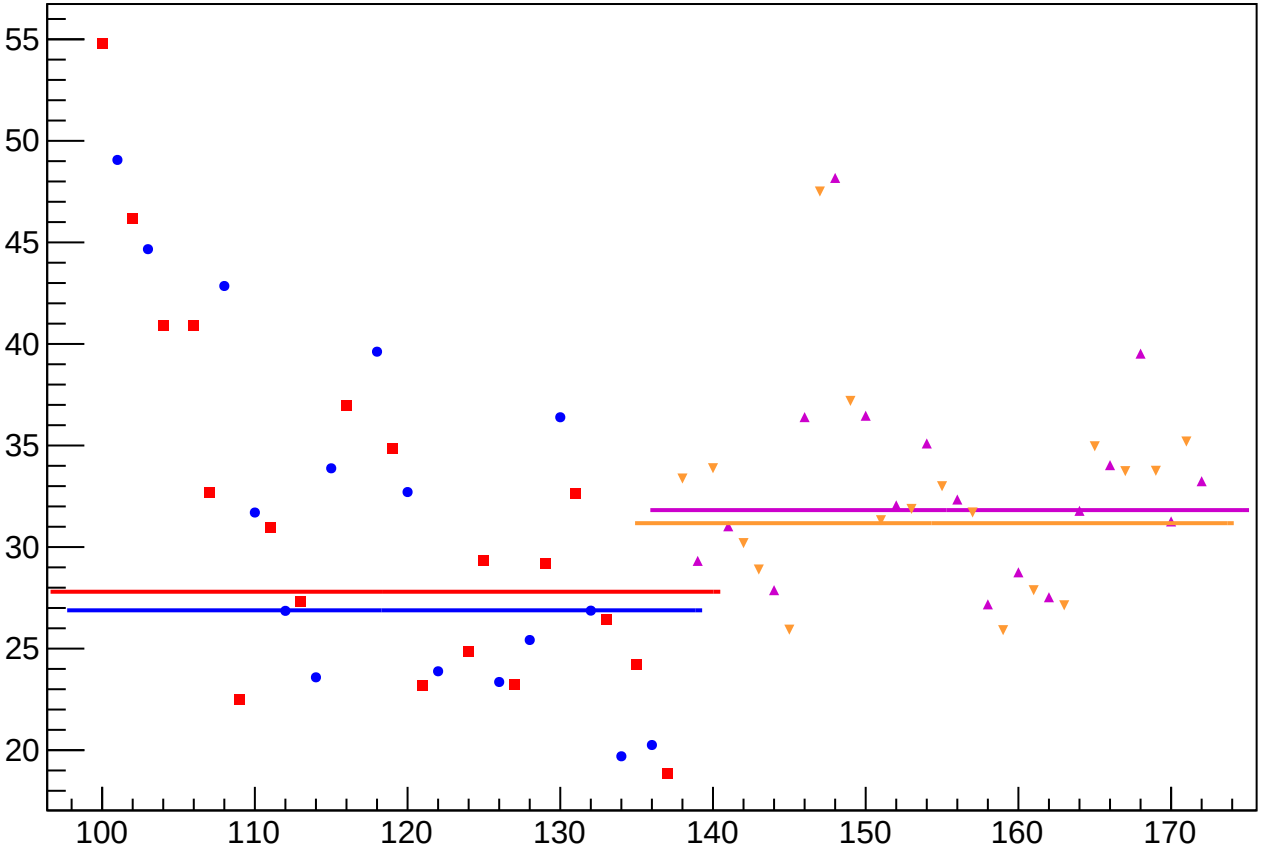
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.011+/-0.007 χ^2/NDF:31.3/32

Out: 0.001+/-0.007 χ^2/NDF:37.0/36

All: -0.005+/-0.005 χ^2/NDF: 69.8/69

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: 31.176+/-0.006 χ^2/NDF:520807.3/17

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.819+/-0.006 χ^2/NDF:494871.7/16

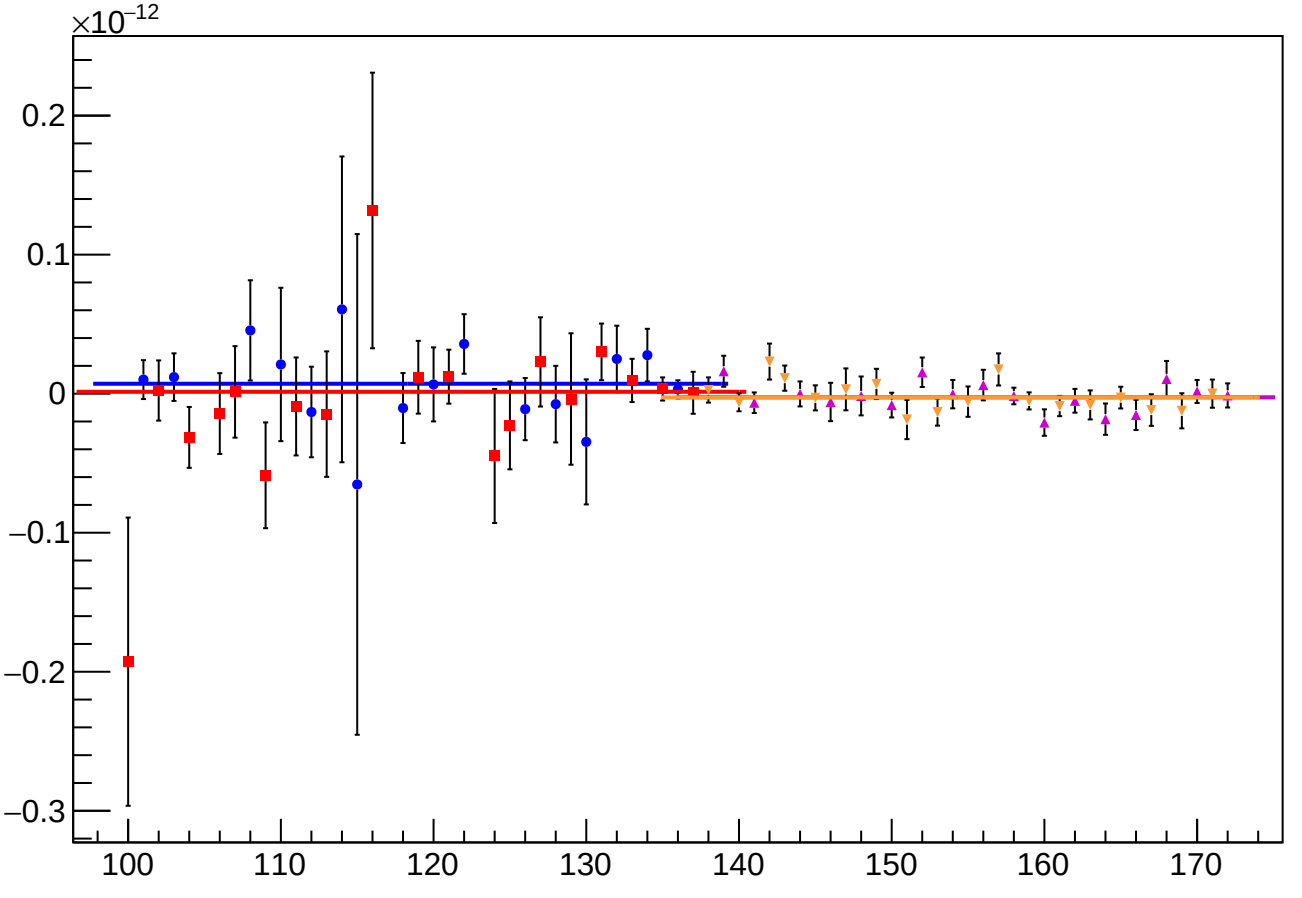
Left: 31.488+/-0.004 χ^2/NDF: 1021410.1/34

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.834+/-0.005 χ^2/NDF:1878926.8/32

Out: 29.869+/-0.005 χ^2/NDF:1409688.8/36

All: 29.852+/-0.003 χ^2/NDF: 3288644.4/69



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.9/17

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: 31.5/34

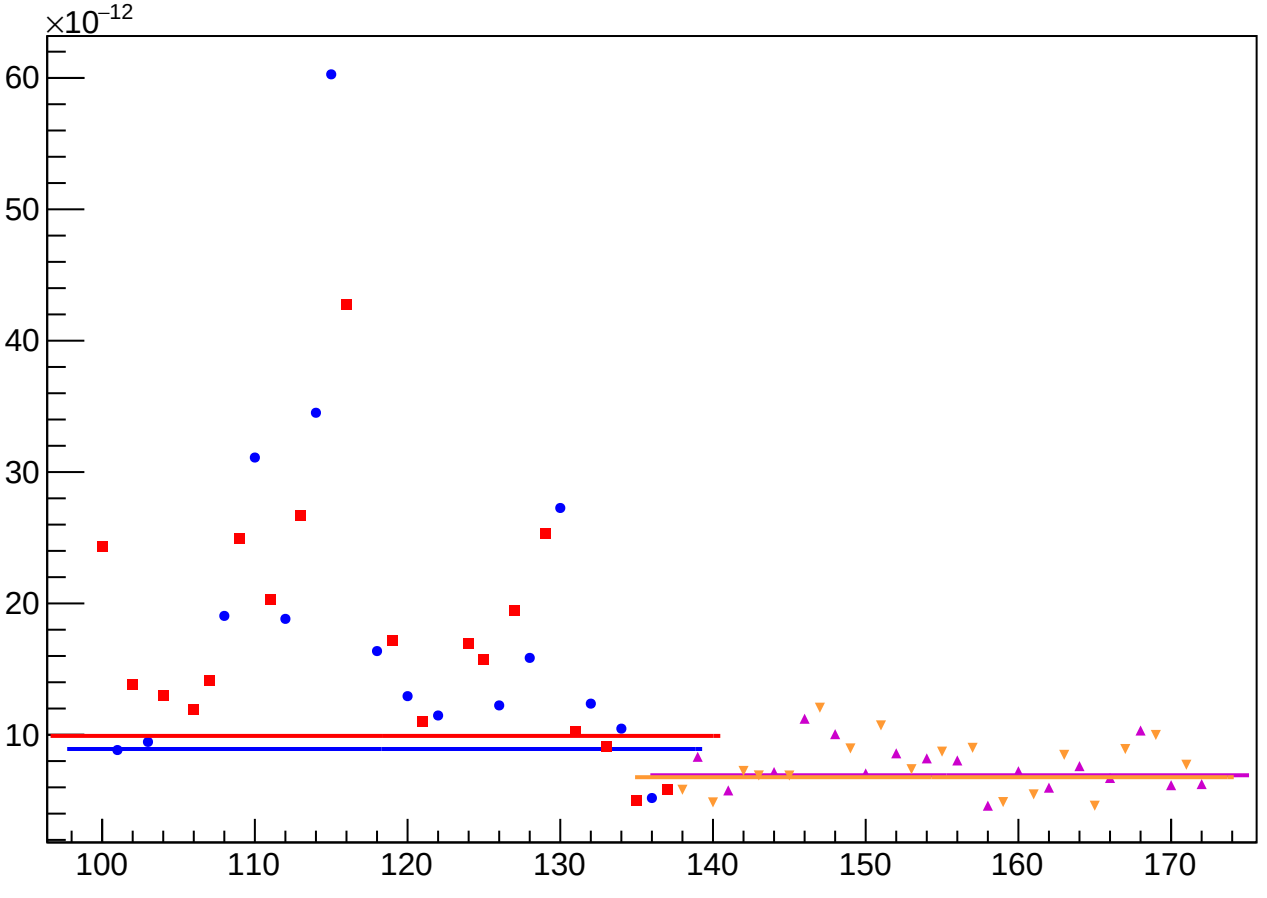
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: -0.000+/-0.000 χ^2/NDF:27.5/32

Out: -0.000+/-0.000 χ^2/NDF:31.7/36

All: -0.000+/-0.000 χ^2/NDF: 59.5/69

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1515519.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

Left In: 0.000+/-0.000 χ^2/NDF:983640.0/16

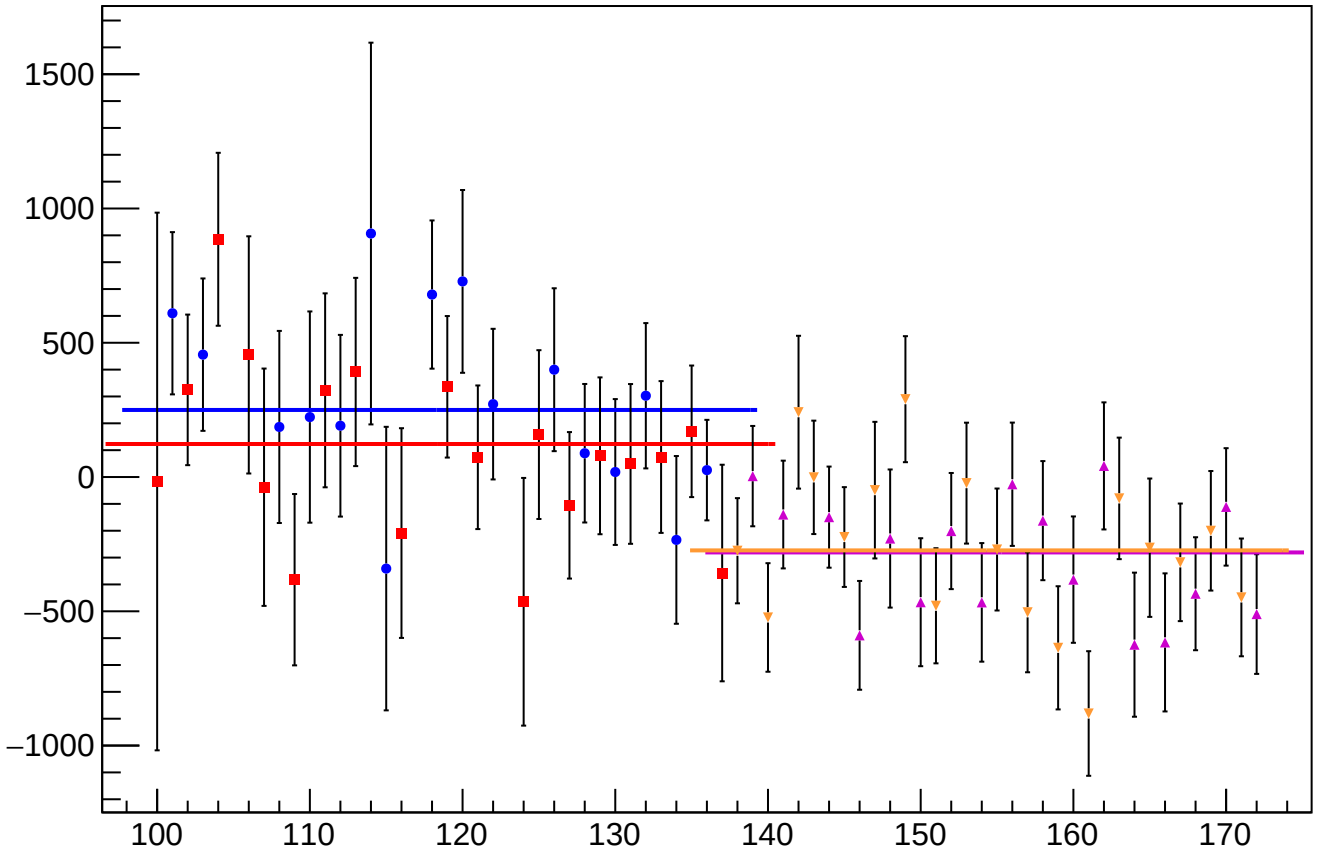
Left: 0.000+/-0.000 χ^2/NDF: 2503499.0/34

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:4859045.4/36

All: 0.000+/-0.000 χ^2/NDF: 8551033.3/69



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -273.207+/-52.497 χ^2/NDF:27.2/17

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -280.817+/-53.560 χ^2/NDF:16.2/16

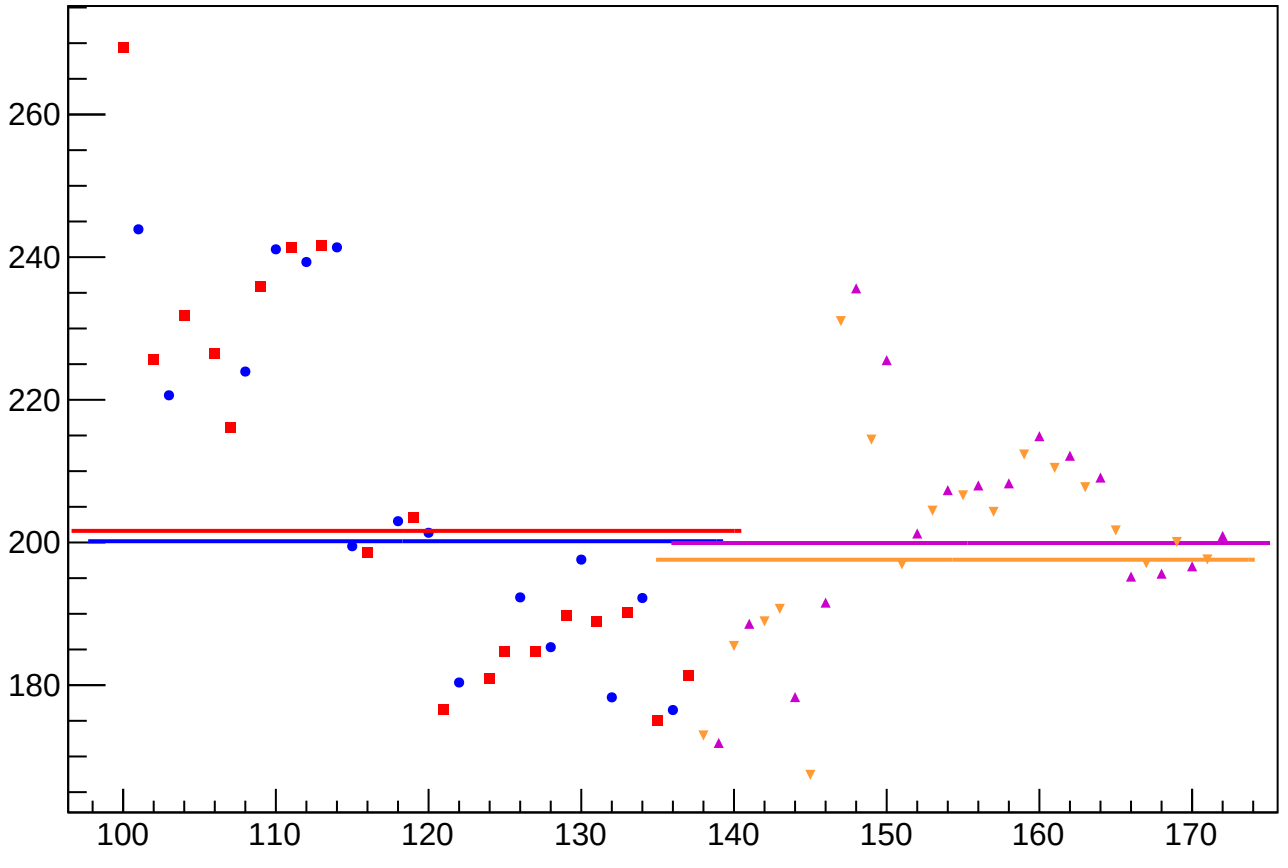
Left: -276.936+/-37.491 χ^2/NDF: 43.4/34

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -101.231+/-43.562 χ^2/NDF:63.2/32

Out: -141.445+/-42.888 χ^2/NDF:61.7/36

All: -121.651+/-30.562 χ^2/NDF: 125.3/69



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 197.586+/-0.037 χ^2/NDF:166431.3/17

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 199.923+/-0.038 χ^2/NDF:168208.7/16

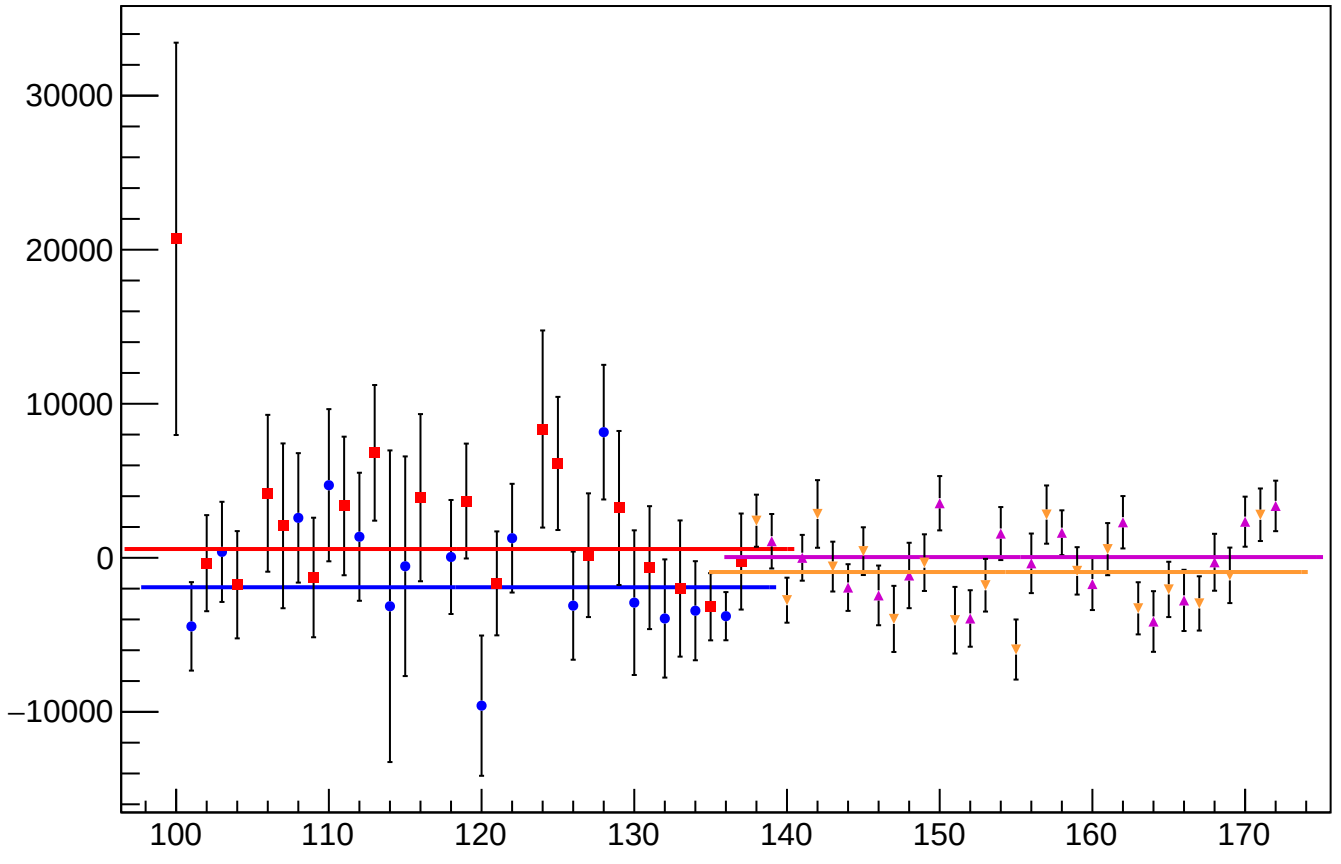
Left: 198.731+/-0.027 χ^2/NDF: 336581.9/34

Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 200.009+/-0.031 χ^2/NDF:349225.3/32

Out: 198.930+/-0.030 χ^2/NDF:367618.7/36

All: 199.461+/-0.022 χ^2/NDF: 717467.0/69



Right In: -1910.348+/-859.088 χ^2/NDF: 16.3/15

Left Out: -922.360+/-413.800 χ^2/NDF:33.4/17

Right Out: 570.946+/-900.451 χ^2/NDF: 14.6/18

Left In: 47.533+/-420.904 χ^2/NDF:30.2/16

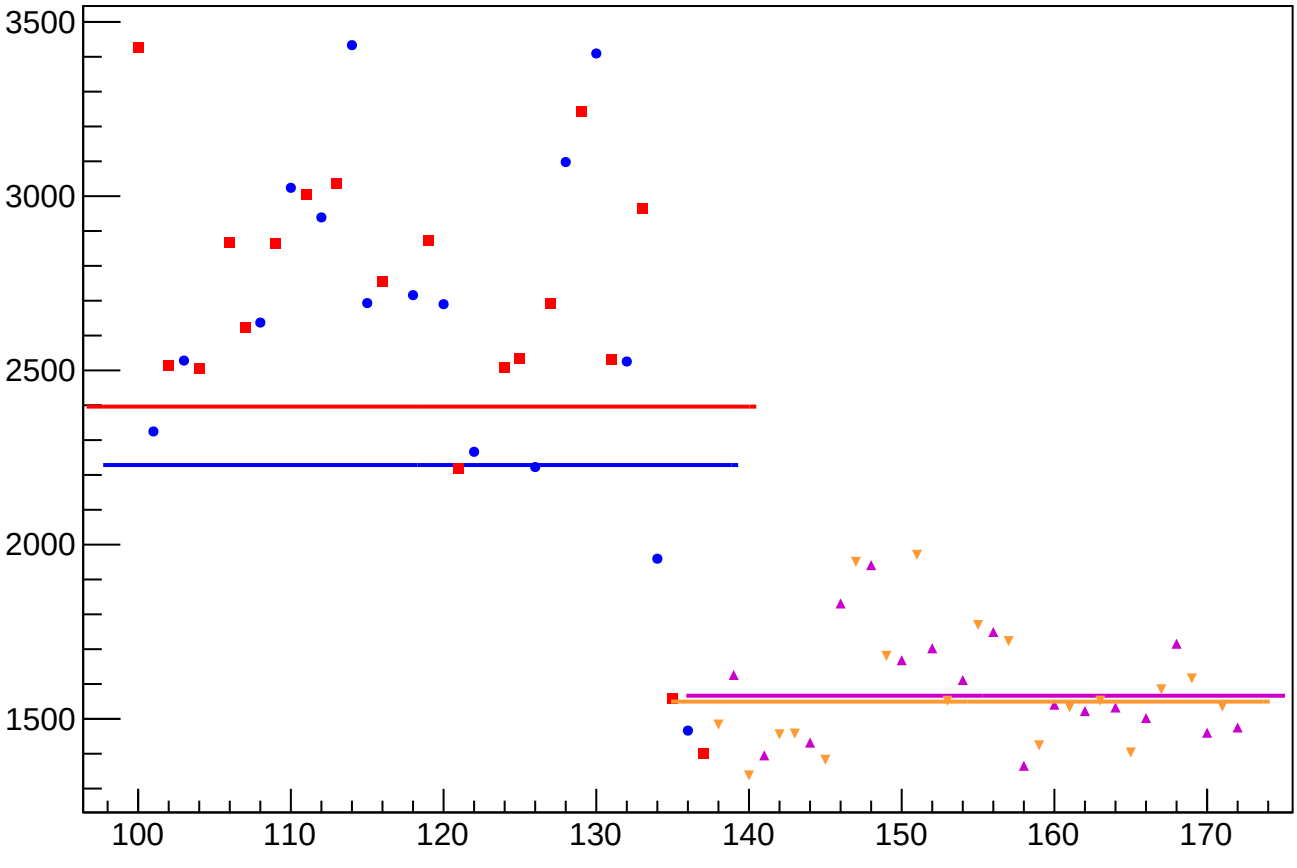
Left: -445.667+/-295.080 χ^2/NDF: 66.3/34

Right: -728.000+/-621.575 χ^2/NDF: 34.9/34

In: -331.467+/-377.976 χ^2/NDF:50.6/32

Out: -661.985+/-375.998 χ^2/NDF:50.3/36

All: -497.593+/-266.567 χ^2/NDF: 101.3/69



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1549.559+/-0.293 χ^2/NDF:306882.7/17

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1566.426+/-0.298 χ^2/NDF:251564.4/16

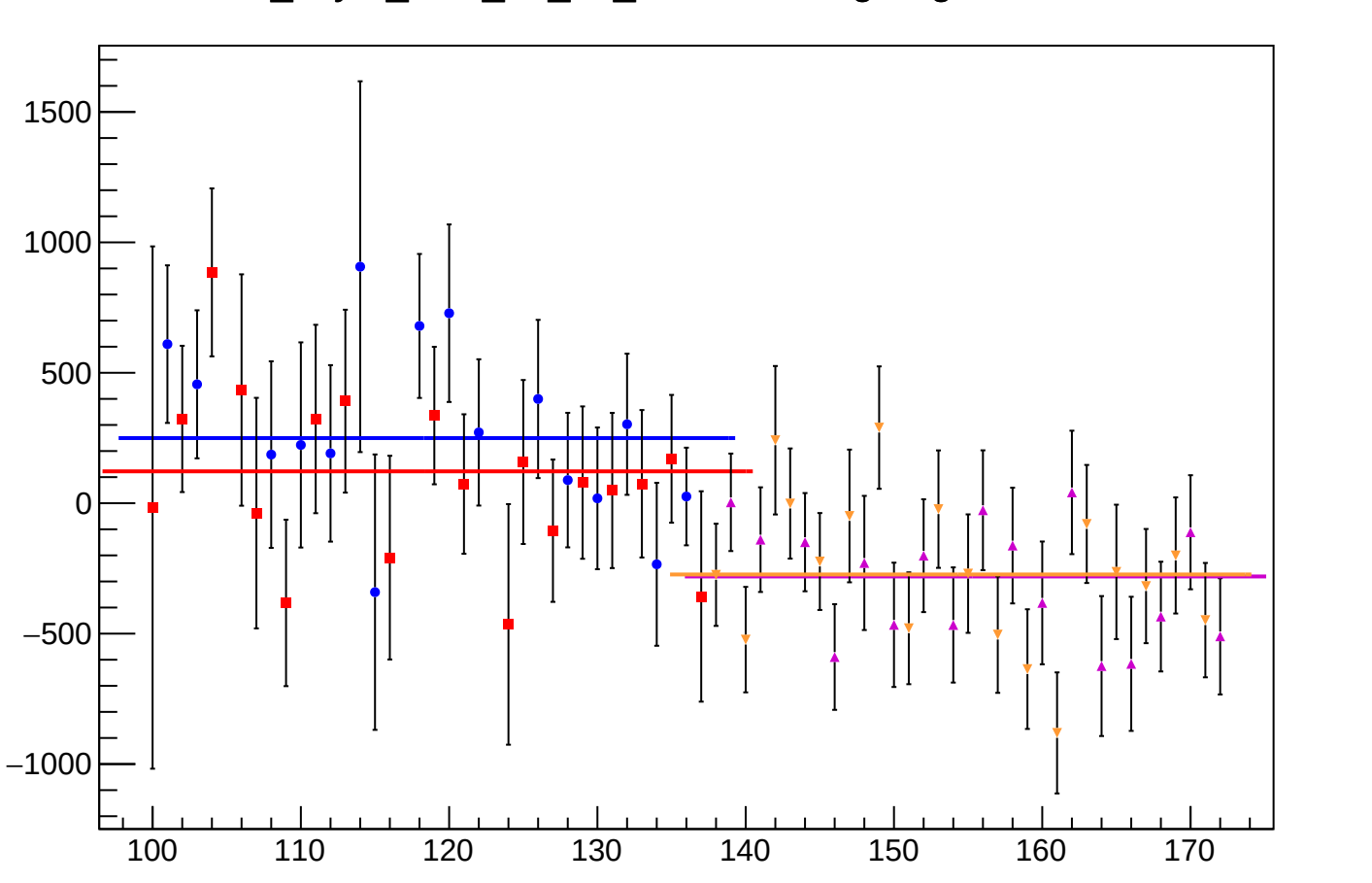
Left: 1557.849+/-0.209 χ^2/NDF: 560080.3/34

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1694.575+/-0.267 χ^2/NDF:2156943.6/32

Out: 1697.160+/-0.266 χ^2/NDF:2565724.6/36

All: 1695.874+/-0.188 χ^2/NDF: 4722715.2/69



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -273.203+/-52.497 χ^2/NDF:27.2/17

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -280.820+/-53.560 χ^2/NDF:16.2/16

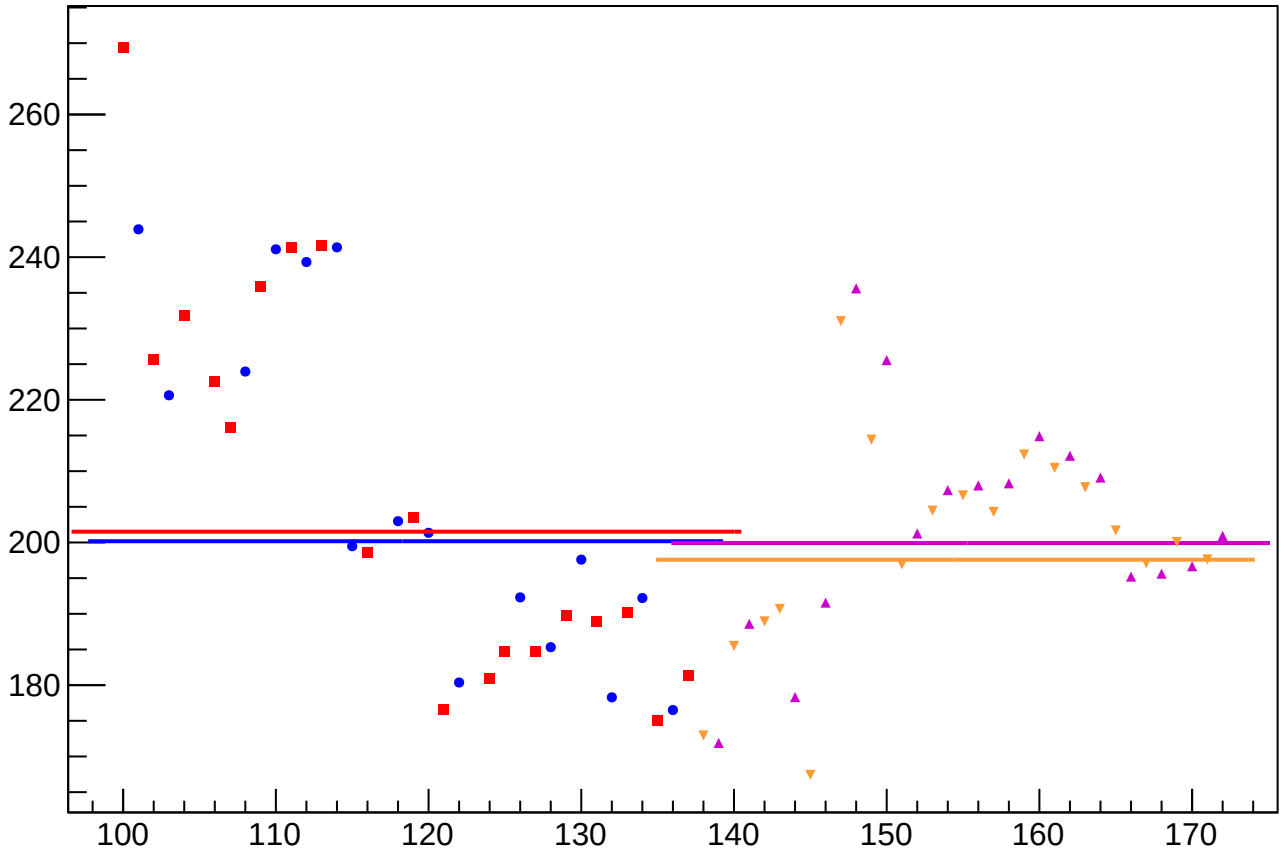
Left: -276.935+/-37.491 χ^2/NDF: 43.4/34

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -101.232+/-43.562 χ^2/NDF:63.2/32

Out: -141.726+/-42.890 χ^2/NDF:61.5/36

All: -121.794+/-30.563 χ^2/NDF: 125.1/69



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.586+/-0.037 χ^2/NDF:166431.4/17

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: 198.731+/-0.027 χ^2/NDF: 336581.9/34

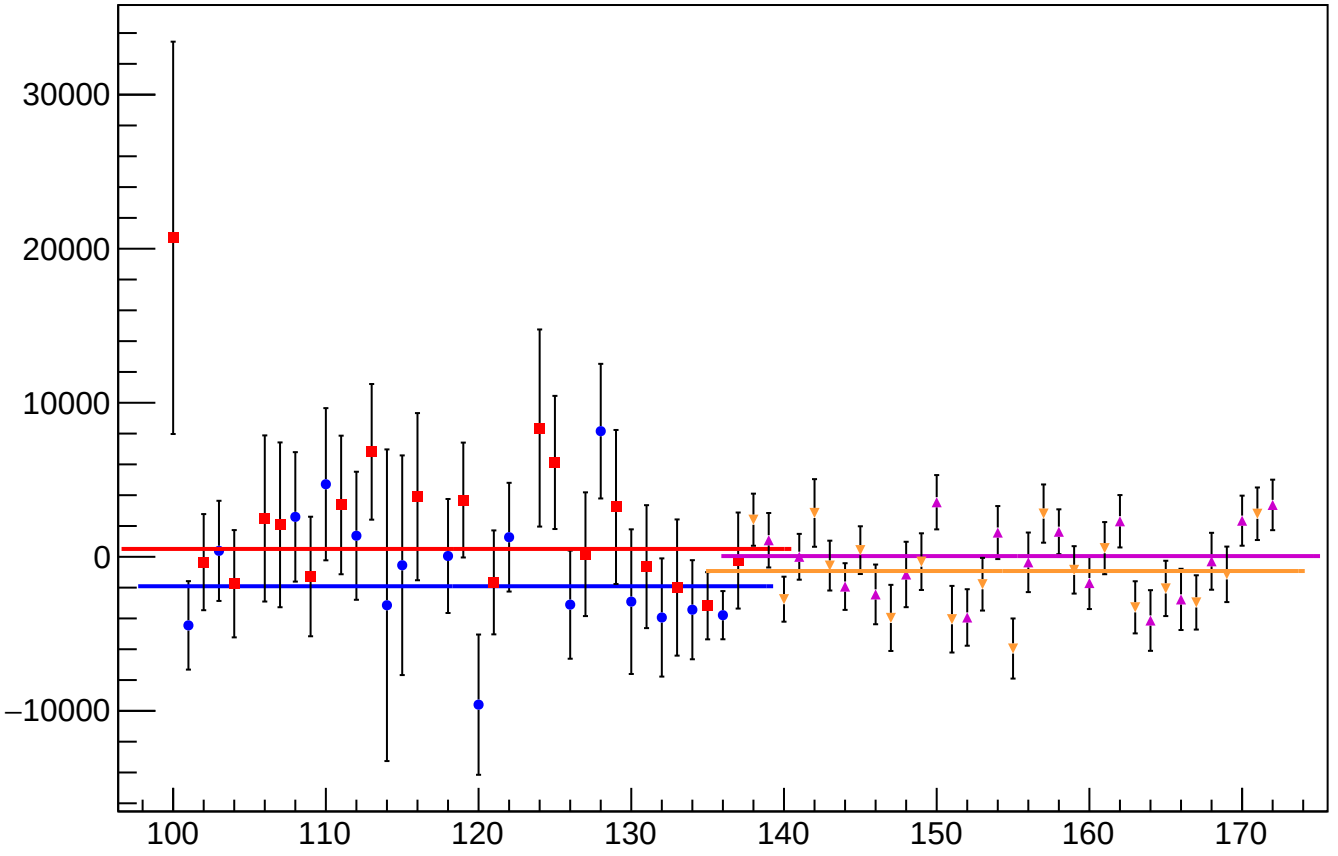
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.009+/-0.031 χ^2/NDF:349225.6/32

Out: 198.892+/-0.030 χ^2/NDF:365586.6/36

All: 199.442+/-0.022 χ^2/NDF: 715479.5/69

asym_sam_26_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -922.359+/-413.801 χ^2/NDF:33.4/17

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 47.537+/-420.904 χ^2/NDF:30.2/16

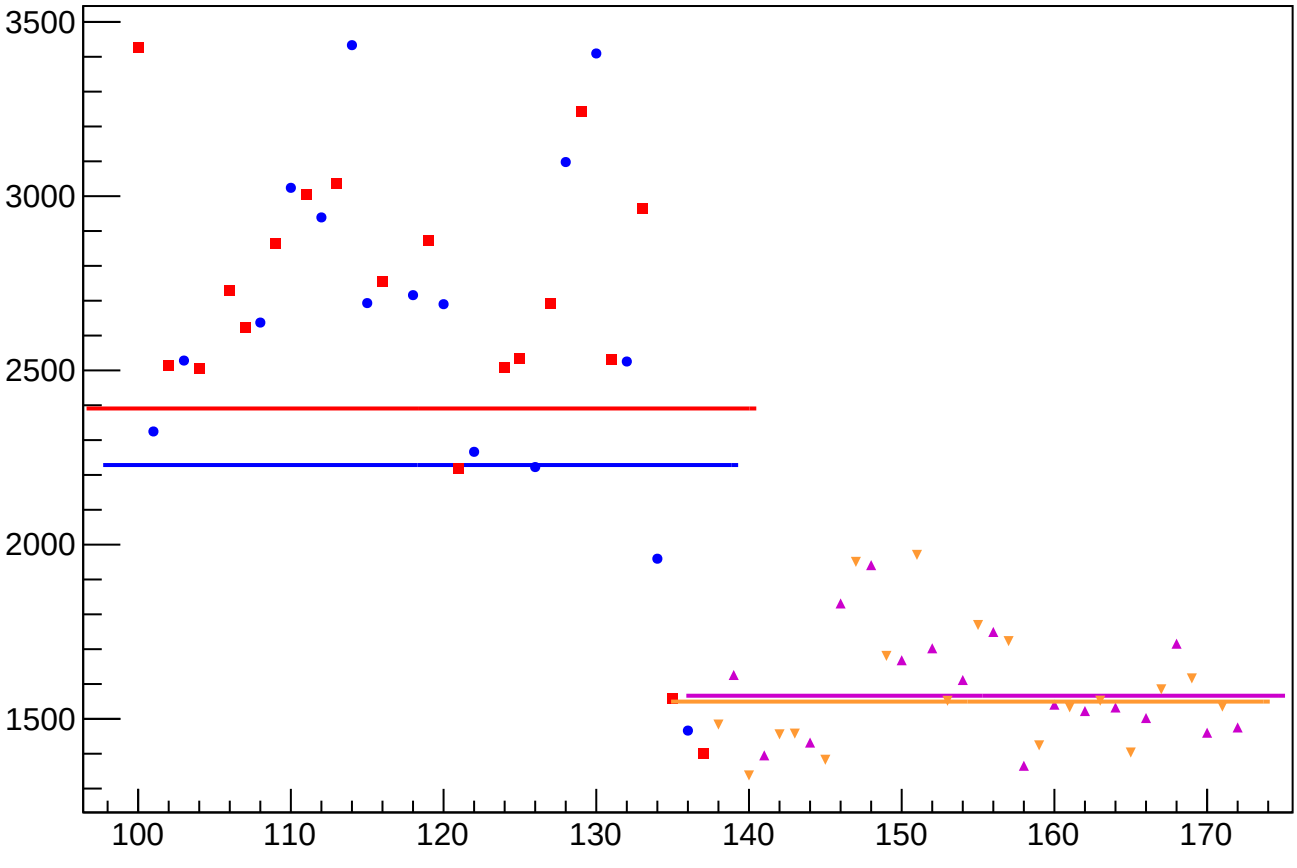
Left: -445.664+/-295.081 χ^2/NDF: 66.3/34

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -331.456+/-377.976 χ^2/NDF:50.6/32

Out: -673.103+/-376.112 χ^2/NDF:49.8/36

All: -503.124+/-266.608 χ^2/NDF: 100.8/69



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1549.560+/-0.293 χ^2/NDF:306882.6/17

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1566.427+/-0.298 χ^2/NDF:251565.2/16

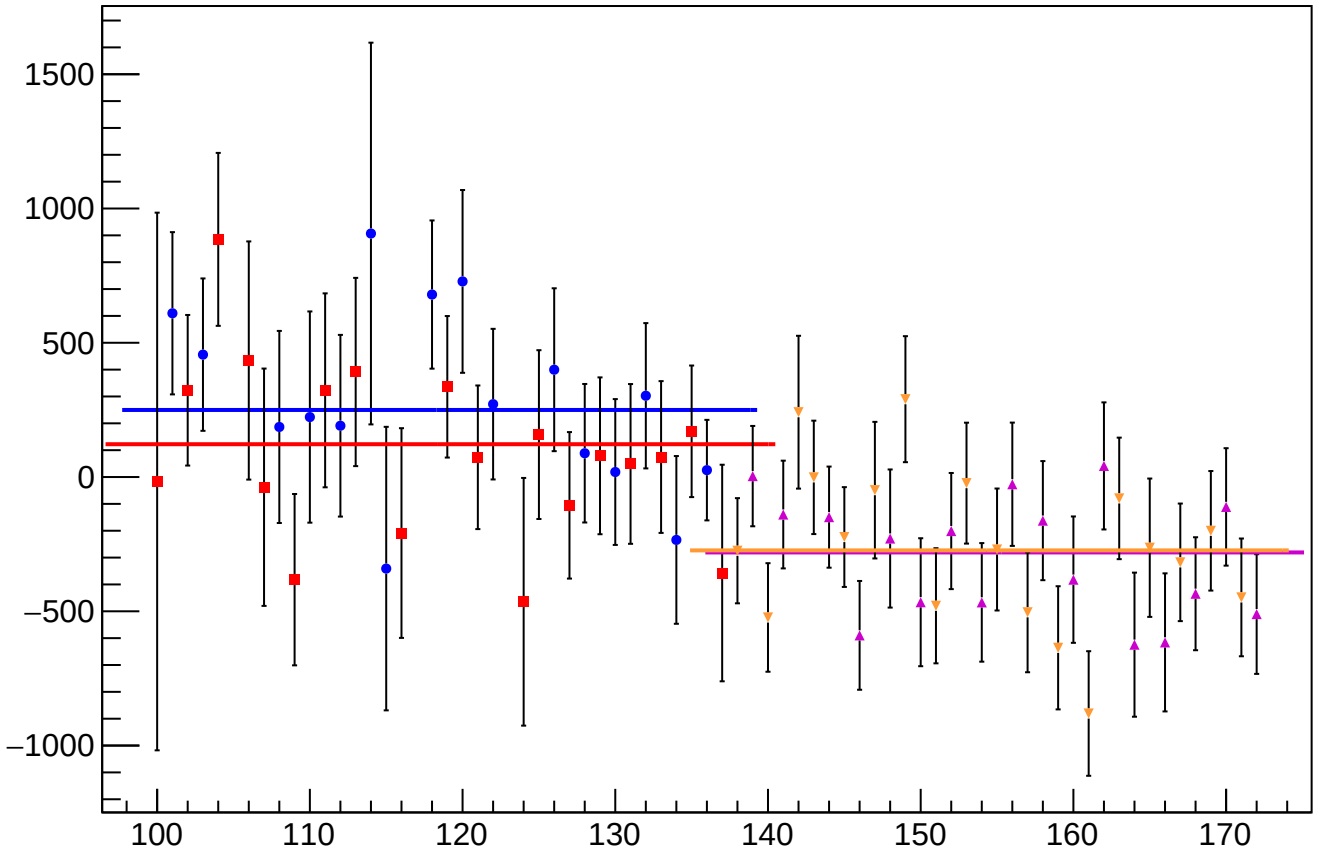
Left: 1557.850+/-0.209 χ^2/NDF: 560081.1/34

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1694.576+/-0.267 χ^2/NDF:2156954.8/32

Out: 1695.808+/-0.266 χ^2/NDF:2533778.6/36

All: 1695.195+/-0.189 χ^2/NDF: 4690744.1/69



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -273.203+/-52.497 χ^2/NDF:27.2/17

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -280.820+/-53.560 χ^2/NDF:16.2/16

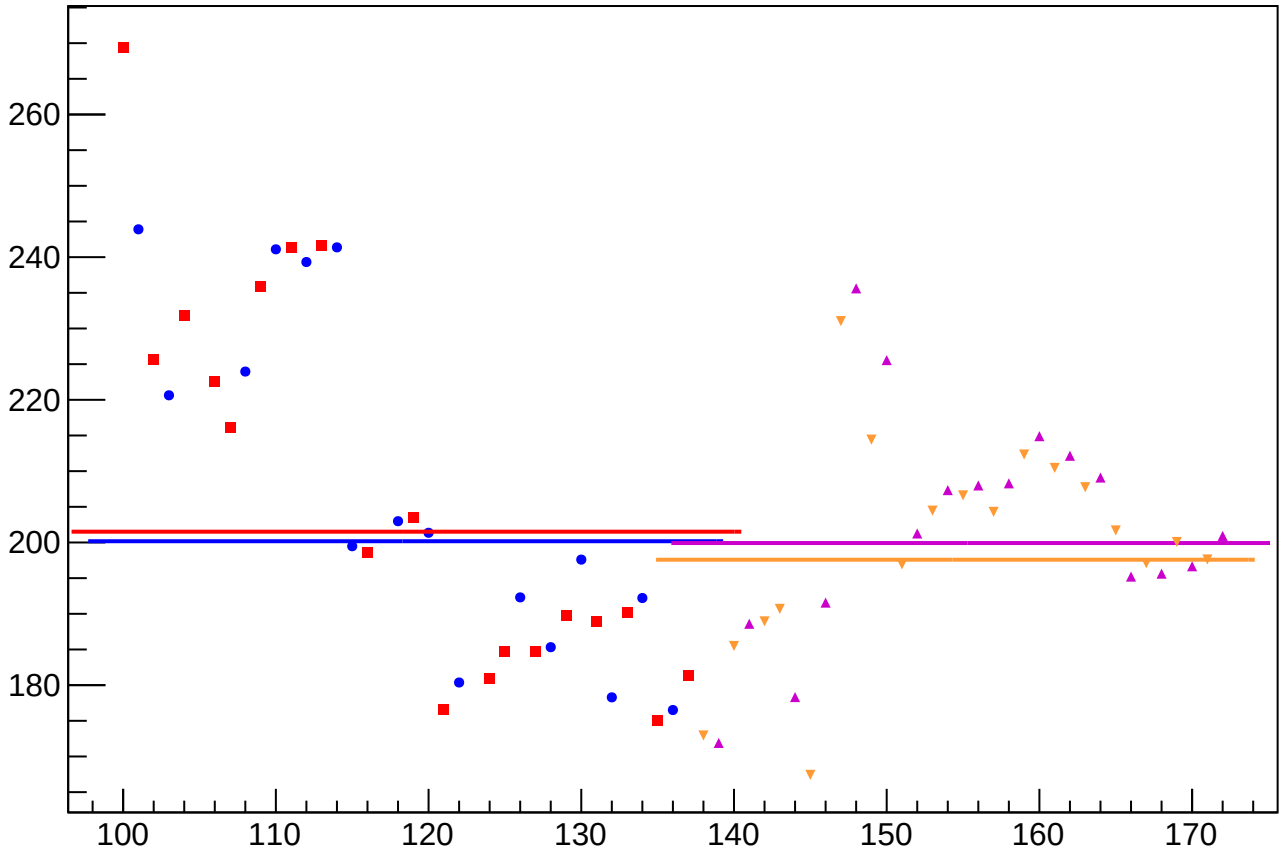
Left: -276.935+/-37.491 χ^2/NDF: 43.4/34

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -101.232+/-43.562 χ^2/NDF:63.2/32

Out: -141.726+/-42.890 χ^2/NDF:61.5/36

All: -121.794+/-30.563 χ^2/NDF: 125.1/69



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.586+/-0.037 χ^2/NDF:166431.4/17

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: 198.731+/-0.027 χ^2/NDF: 336581.9/34

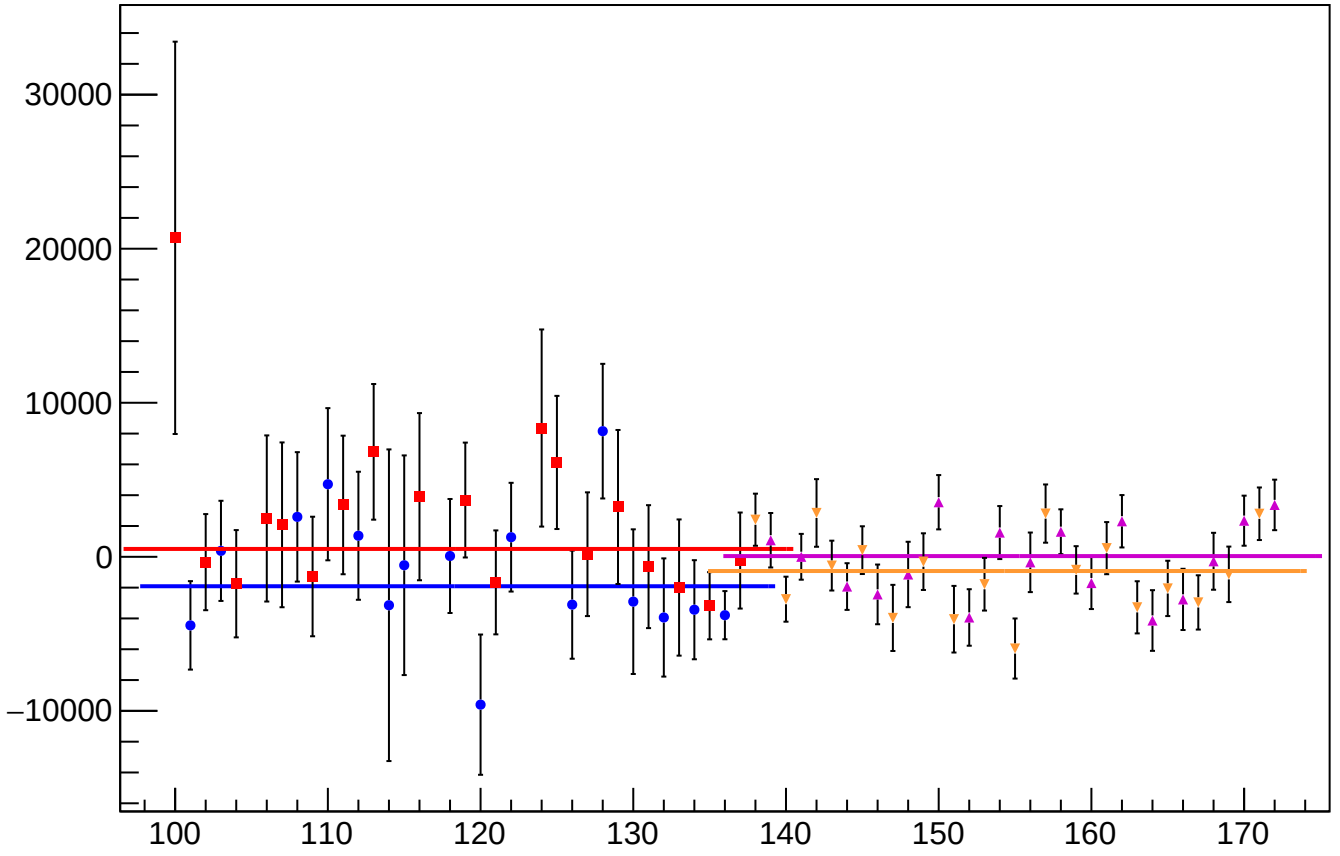
Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 200.009+/-0.031 χ^2/NDF:349225.6/32

Out: 198.892+/-0.030 χ^2/NDF:365586.6/36

All: 199.442+/-0.022 χ^2/NDF: 715479.5/69

asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -922.359+/-413.801 χ^2/NDF:33.4/17

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: -445.664+/-295.081 χ^2/NDF: 66.3/34

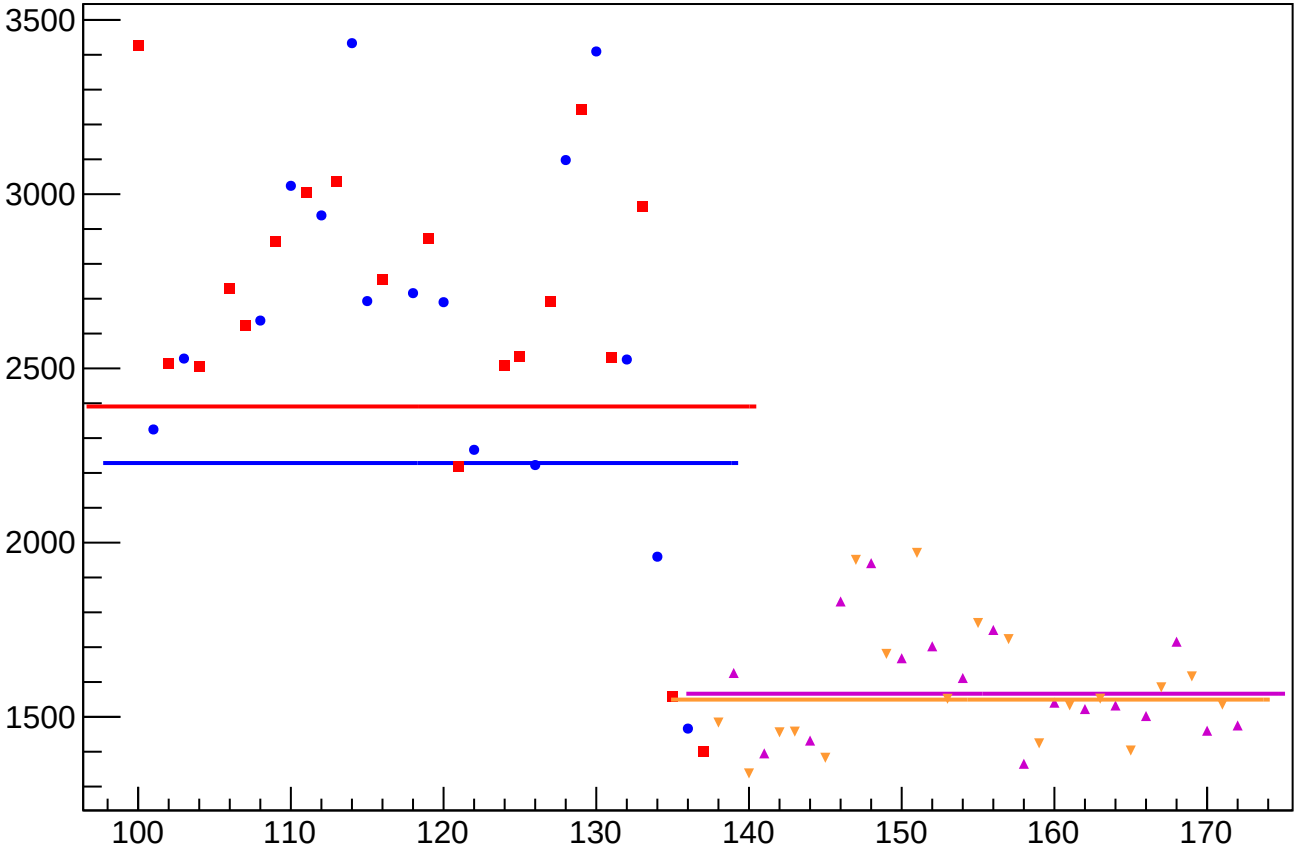
Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -331.456+/-377.976 χ^2/NDF:50.6/32

Out: -673.103+/-376.112 χ^2/NDF:49.8/36

All: -503.124+/-266.608 χ^2/NDF: 100.8/69

asym_sam_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1549.560+/-0.293 χ^2/NDF:306882.6/17

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1566.427+/-0.298 χ^2/NDF:251565.2/16

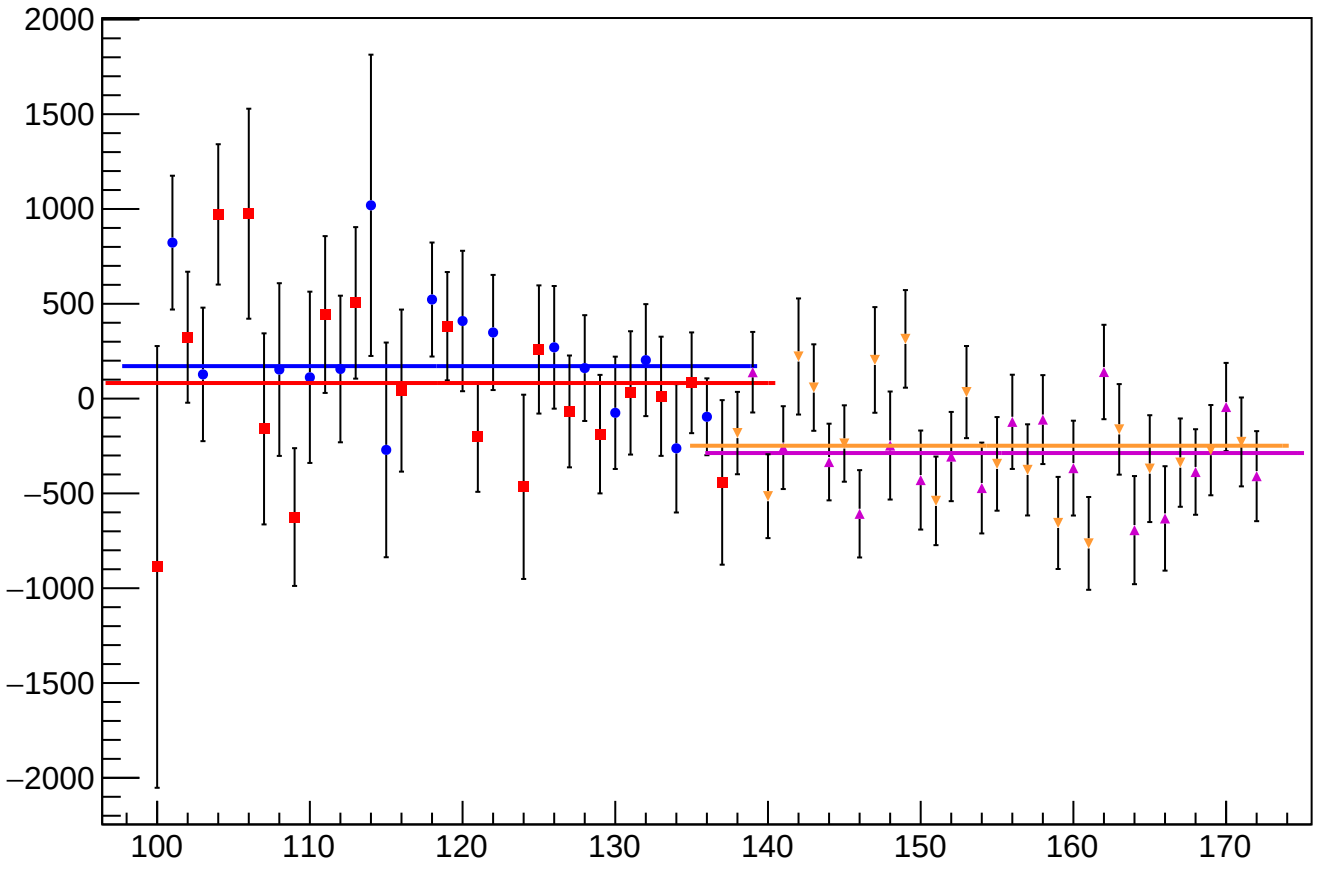
Left: 1557.850+/-0.209 χ^2/NDF: 560081.1/34

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

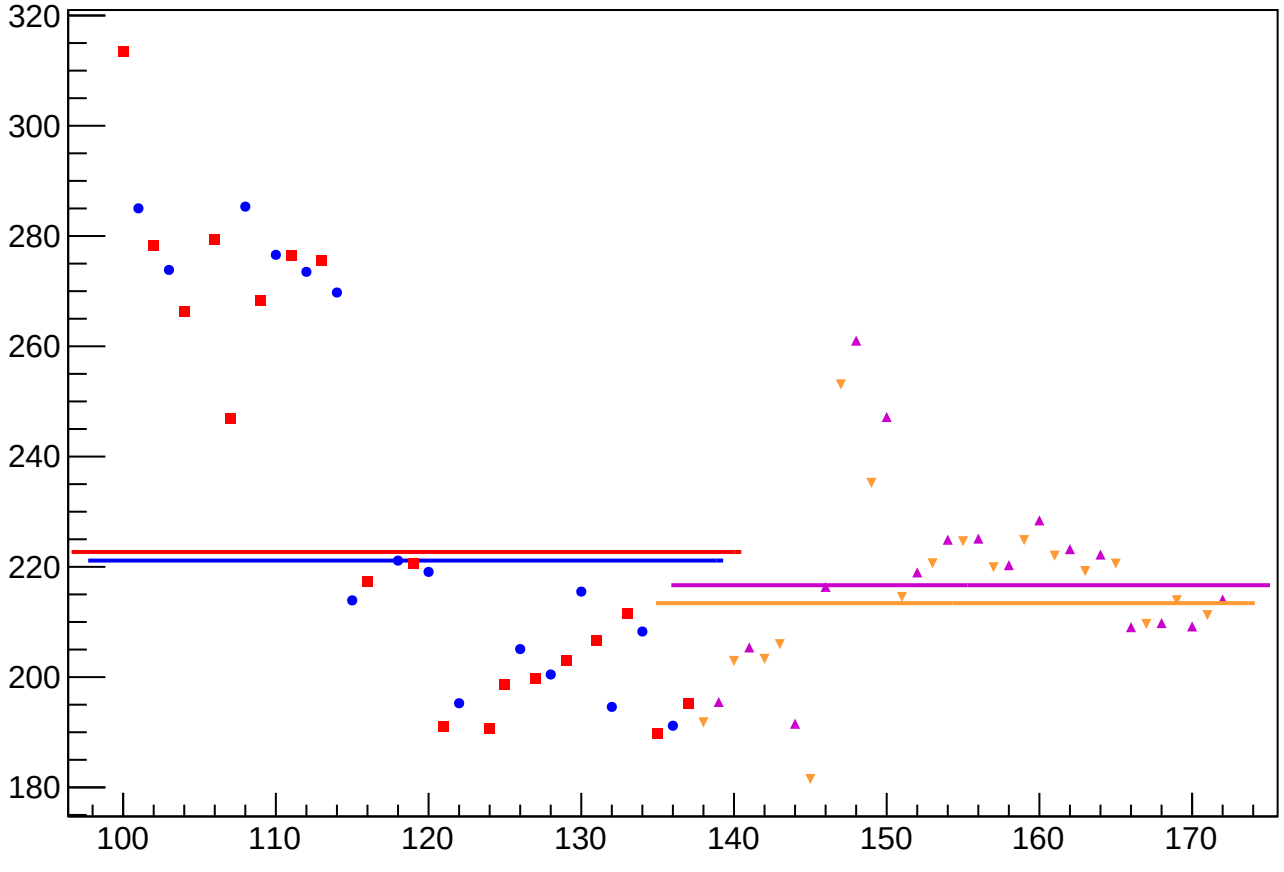
In: 1694.576+/-0.267 χ^2/NDF:2156954.8/32

Out: 1695.808+/-0.266 χ^2/NDF:2533778.6/36

All: 1695.195+/-0.189 χ^2/NDF: 4690744.1/69


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: 171.258+/-83.116 χ²/NDF: 11.5/15
Left Out: -248.547+/-56.688 χ²/NDF:24.2/17
Right Out: 82.152+/-82.545 χ²/NDF: 21.6/18
Left In: -287.111+/-58.050 χ²/NDF:16.2/16
Left: -267.371+/-40.557 χ²/NDF: 40.6/34
Right: 126.398+/-58.569 χ²/NDF: 33.7/34
In: -136.827+/-47.592 χ²/NDF:48.1/32
Out: -142.565+/-46.729 χ²/NDF:56.7/36
All: -139.749+/-33.343 χ²/NDF: 104.8/69

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 213.417+/-0.040 χ^2/NDF:151119.3/17

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: 215.005+/-0.029 χ^2/NDF: 303824.9/34

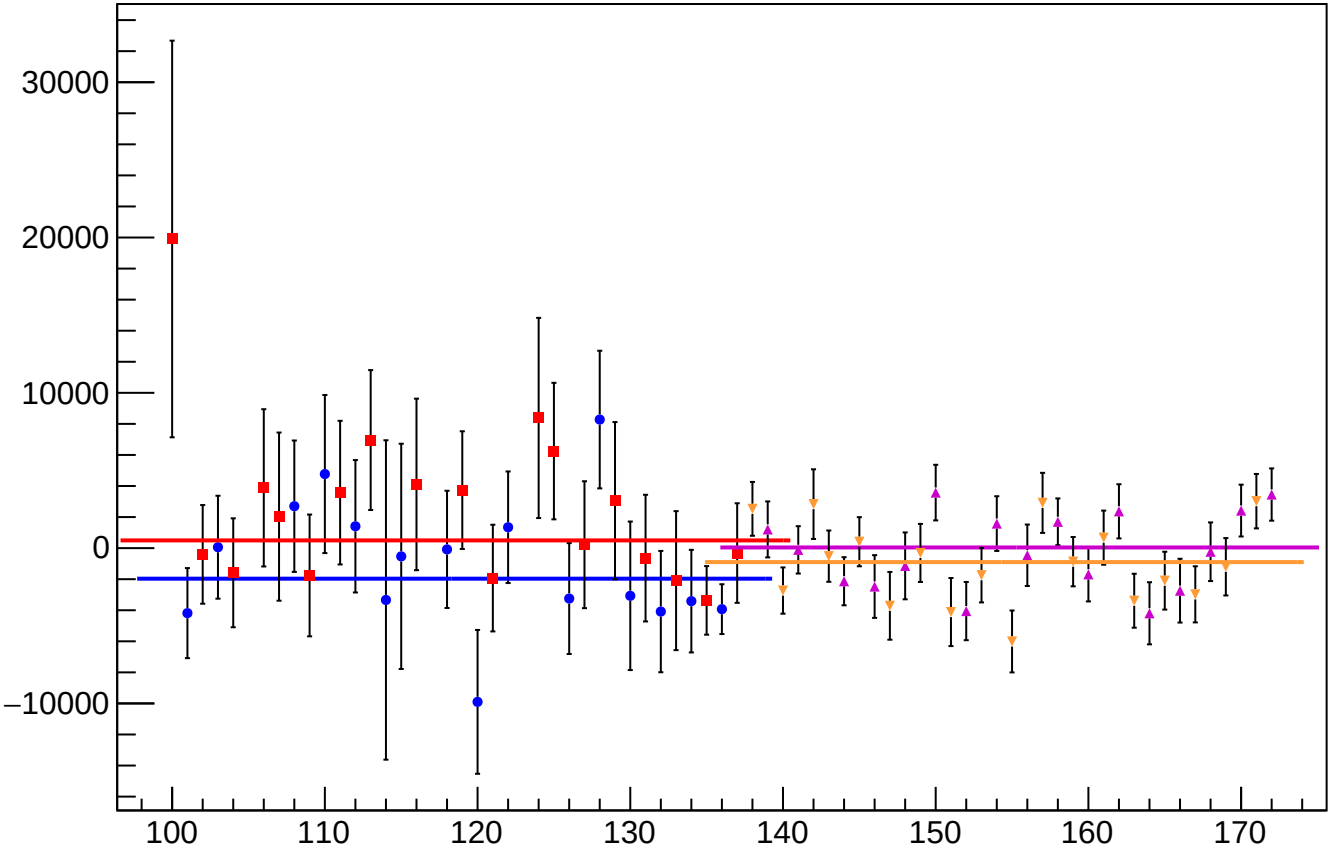
Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 218.135+/-0.034 χ^2/NDF:472078.5/32

Out: 216.391+/-0.033 χ^2/NDF:495329.1/36

All: 217.247+/-0.024 χ^2/NDF: 968775.3/69

asym_sam_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -899.172+/-423.772 χ^2/NDF:33.2/17

Right Out: 497.281+/-914.759 χ^2/NDF: 14.8/18

Left In: 43.614+/-431.538 χ^2/NDF:30.2/16

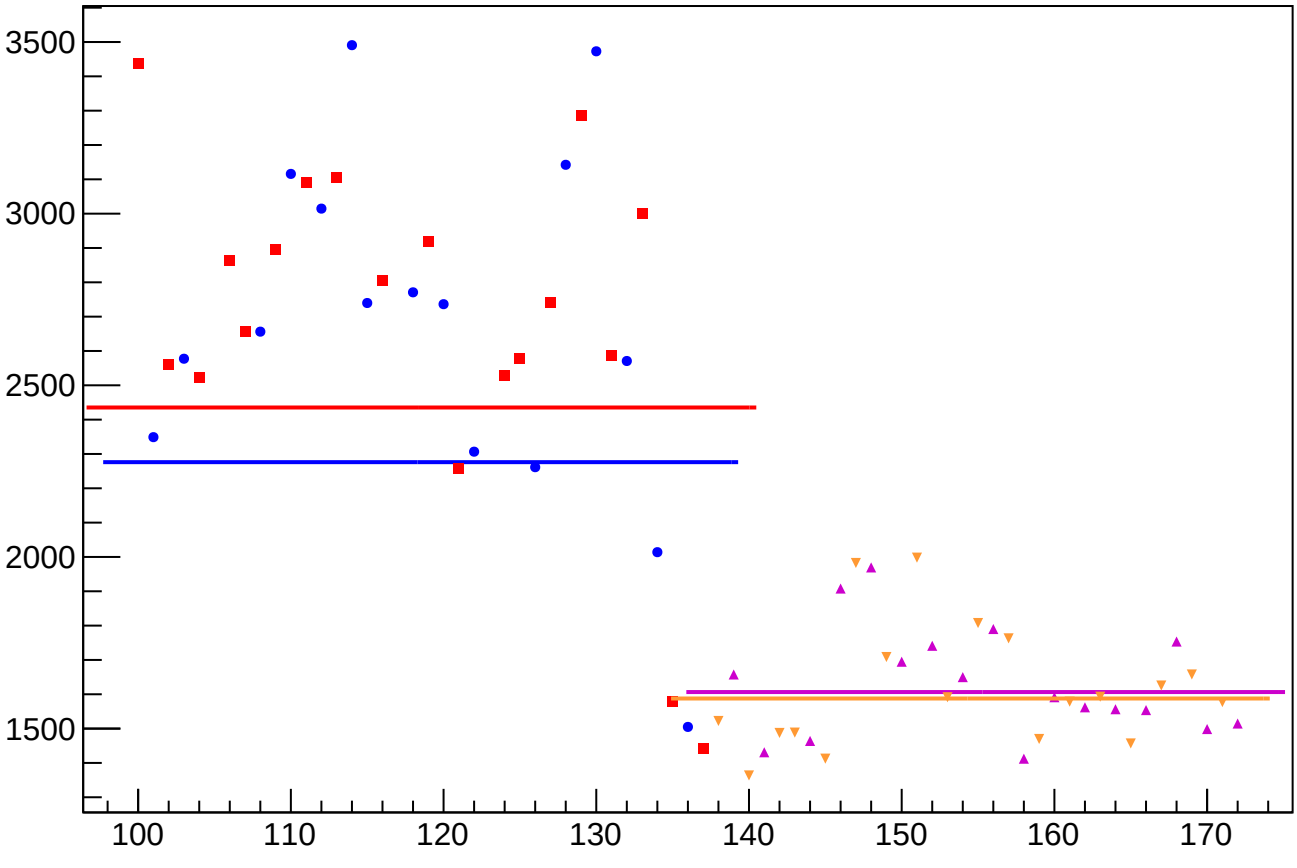
Left: -436.339+/-302.360 χ^2/NDF: 65.8/34

Right: -787.531+/-632.914 χ^2/NDF: 34.7/34

In: -348.672+/-387.167 χ^2/NDF:50.6/32

Out: -652.432+/-384.515 χ^2/NDF:49.9/36

All: -501.596+/-272.826 χ^2/NDF: 100.8/69



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1587.665+/-0.300 χ^2/NDF:293479.8/17

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1606.450+/-0.305 χ^2/NDF:243827.4/16

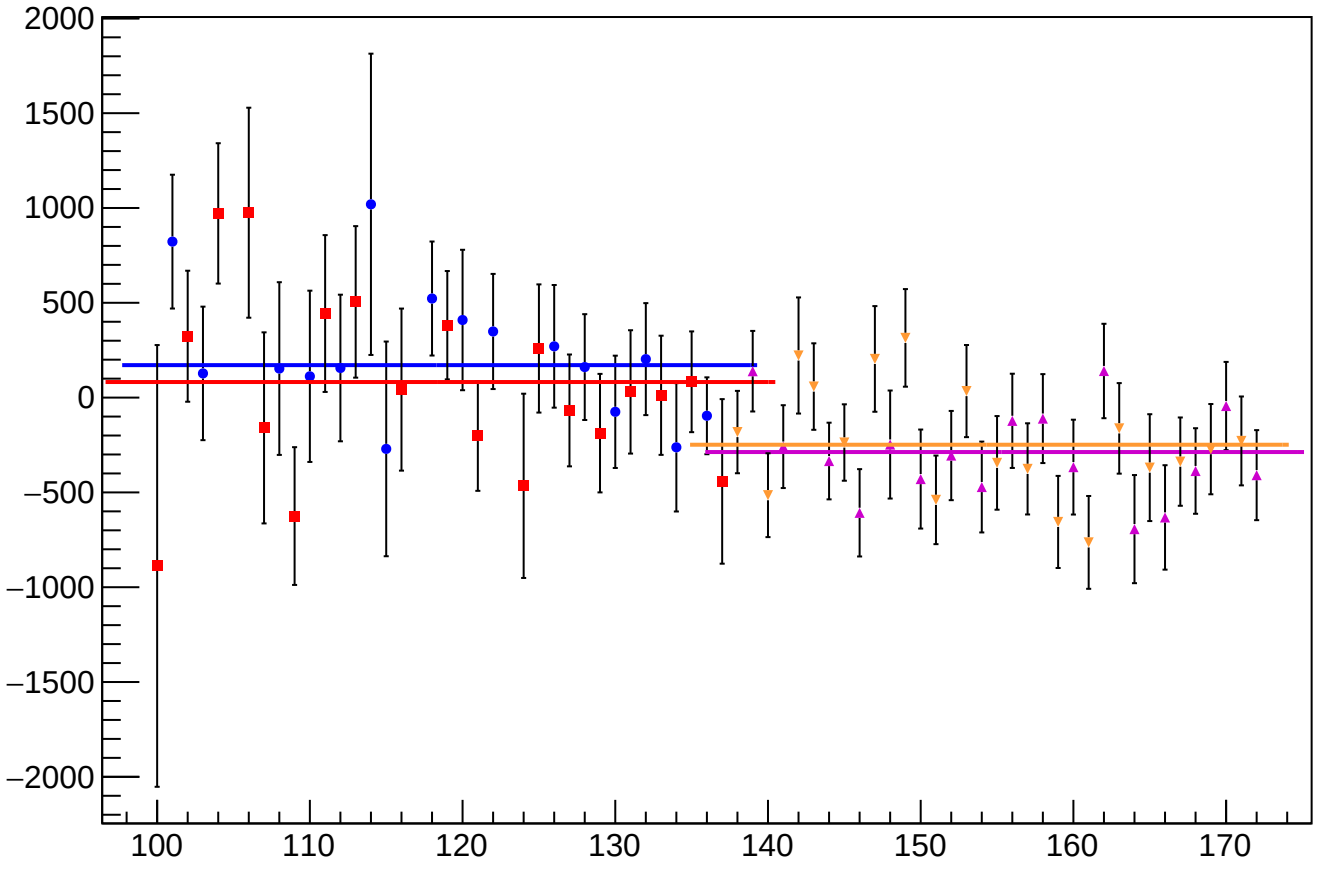
Left: 1596.887+/-0.214 χ^2/NDF: 539236.5/34

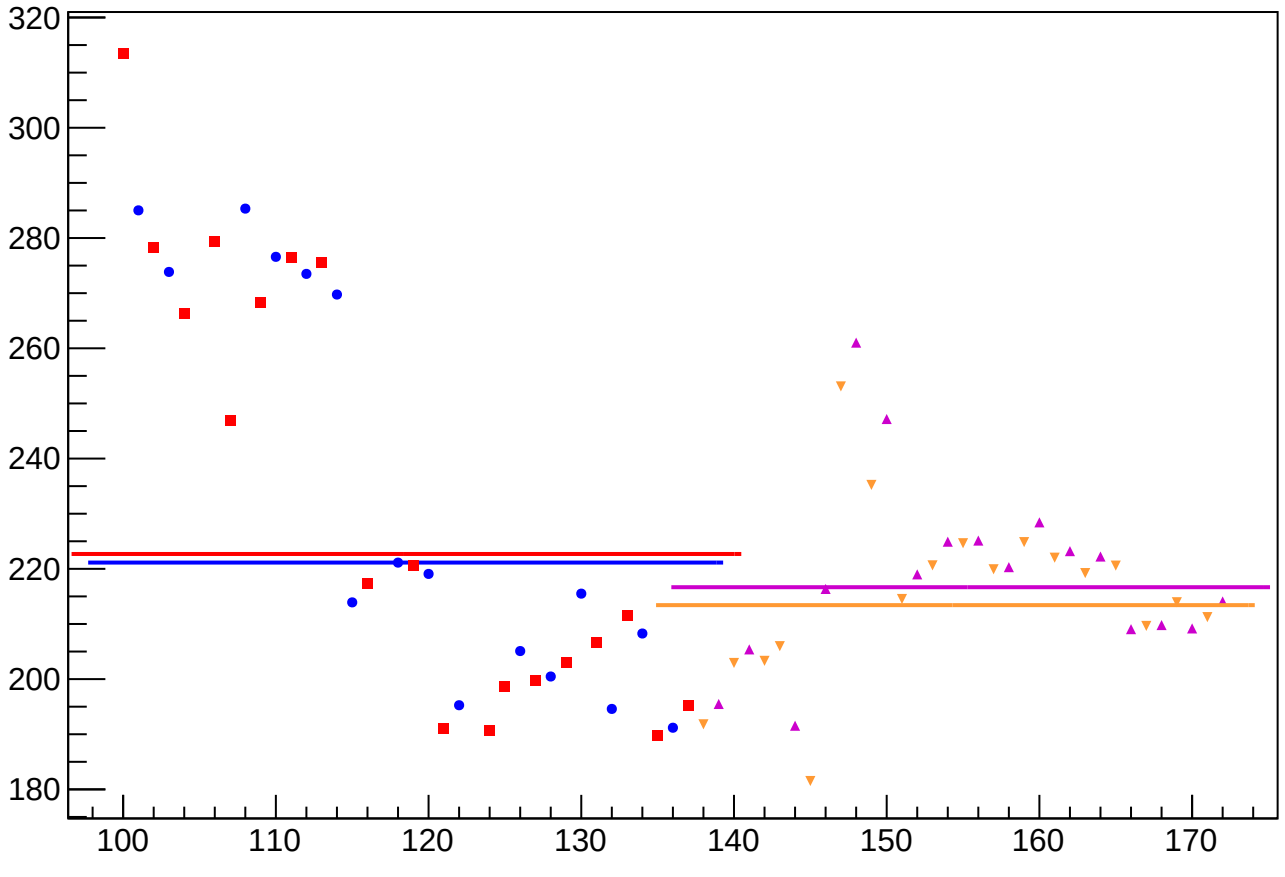
Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1737.084+/-0.274 χ^2/NDF:2110353.9/32

Out: 1737.444+/-0.272 χ^2/NDF:2499007.6/36

All: 1737.265+/-0.193 χ^2/NDF: 4609362.3/69


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: -248.549+/-56.688 χ²/NDF:24.2/17
Right Out: 82.150+/-82.545 χ²/NDF: 21.6/18
Left In: -287.113+/-58.050 χ²/NDF:16.2/16
Left: -267.373+/-40.557 χ²/NDF: 40.6/34
Right: 126.398+/-58.569 χ²/NDF: 33.7/34
In: -136.827+/-47.592 χ²/NDF:48.1/32
Out: -142.567+/-46.729 χ²/NDF:56.7/36
All: -139.749+/-33.343 χ²/NDF: 104.8/69



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 213.417+/-0.040 χ^2/NDF:151123.4/17

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: 215.005+/-0.029 χ^2/NDF: 303831.5/34

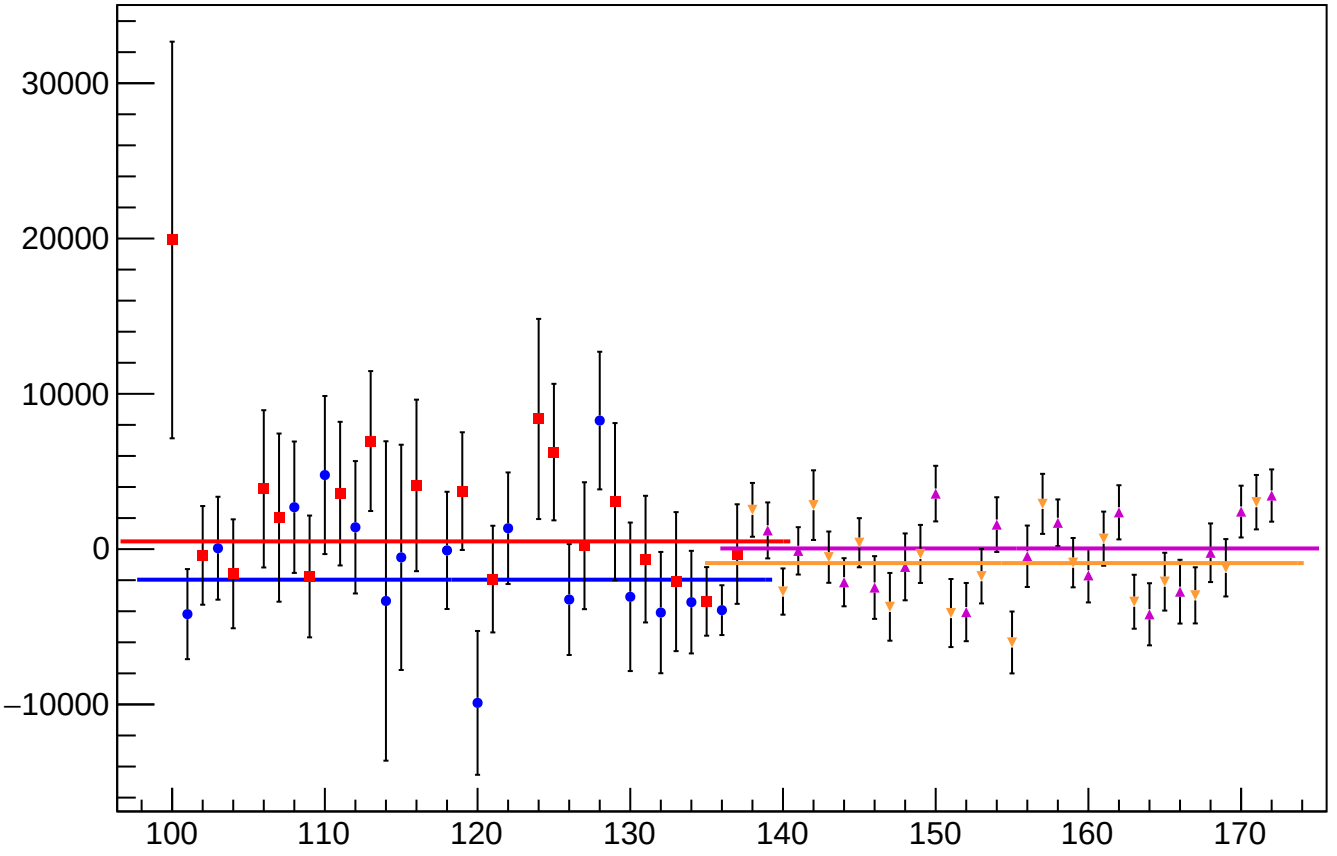
Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 218.135+/-0.034 χ^2/NDF:472074.3/32

Out: 216.391+/-0.033 χ^2/NDF:495323.5/36

All: 217.247+/-0.024 χ^2/NDF: 968765.2/69

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: -899.172+/-423.772 χ^2/NDF:33.2/17

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: -436.339+/-302.360 χ^2/NDF: 65.8/34

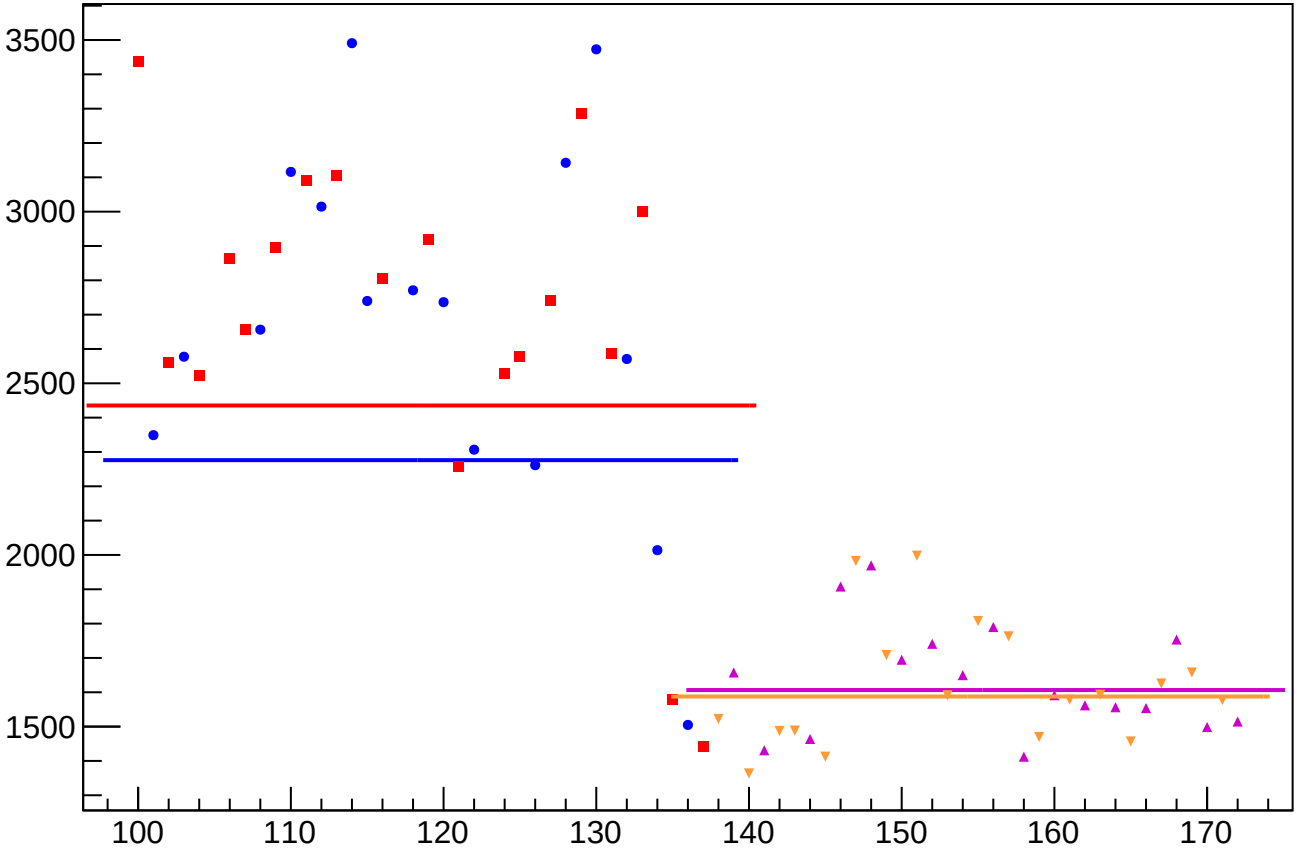
Right: -787.528+/-632.913 χ^2/NDF: 34.7/34

In: -348.672+/-387.167 χ^2/NDF:50.6/32

Out: -652.431+/-384.515 χ^2/NDF:49.9/36

All: -501.596+/-272.826 χ^2/NDF: 100.8/69

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: 1587.665+/-0.300 χ^2/NDF:293482.9/17

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: 1596.887+/-0.214 χ^2/NDF: 539241.3/34

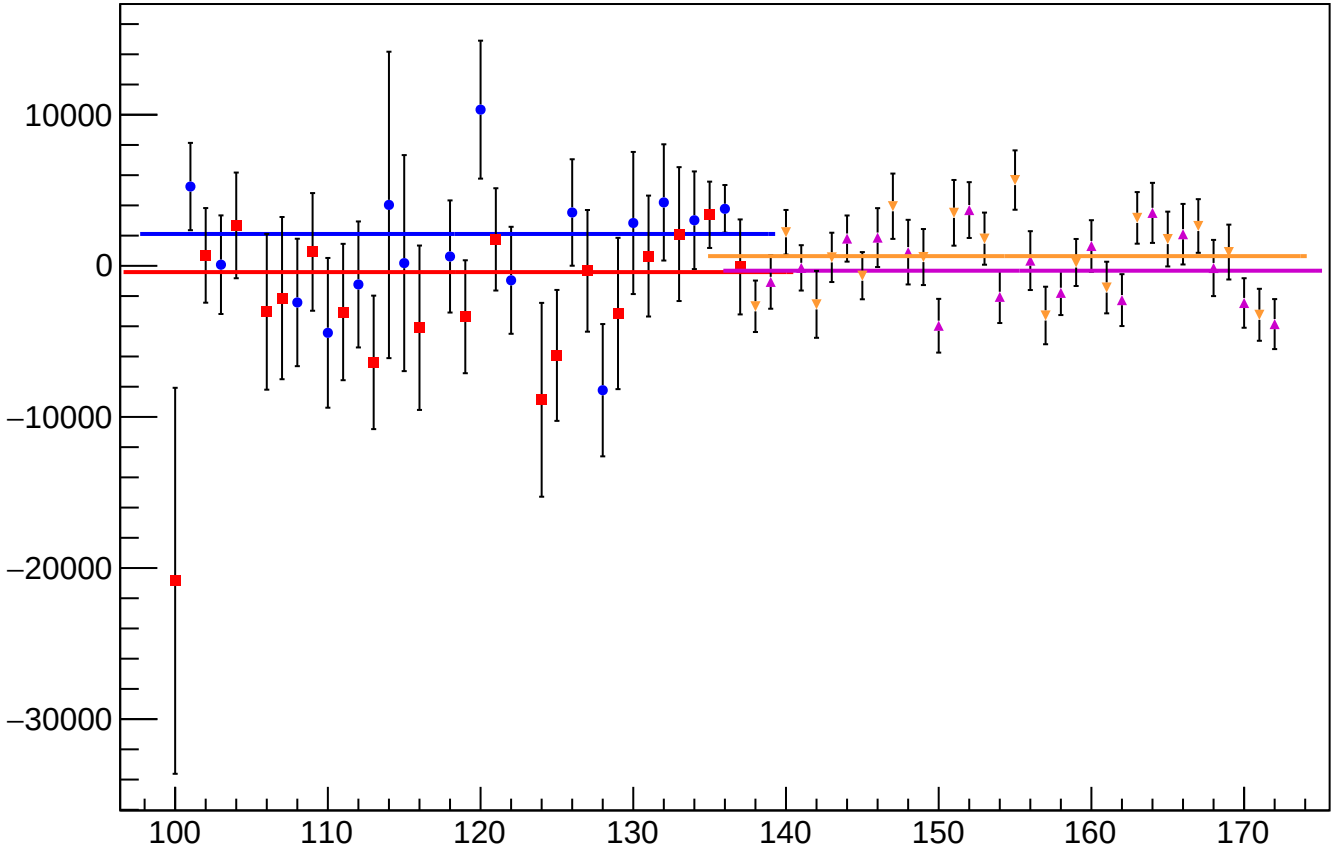
Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1737.083+/-0.274 χ^2/NDF:2110341.3/32

Out: 1737.443+/-0.272 χ^2/NDF:2498997.6/36

All: 1737.265+/-0.193 χ^2/NDF: 4609339.7/69

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 642.850+/-417.286 χ^2/NDF:33.6/17

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: 168.479+/-297.580 χ^2/NDF: 64.6/34

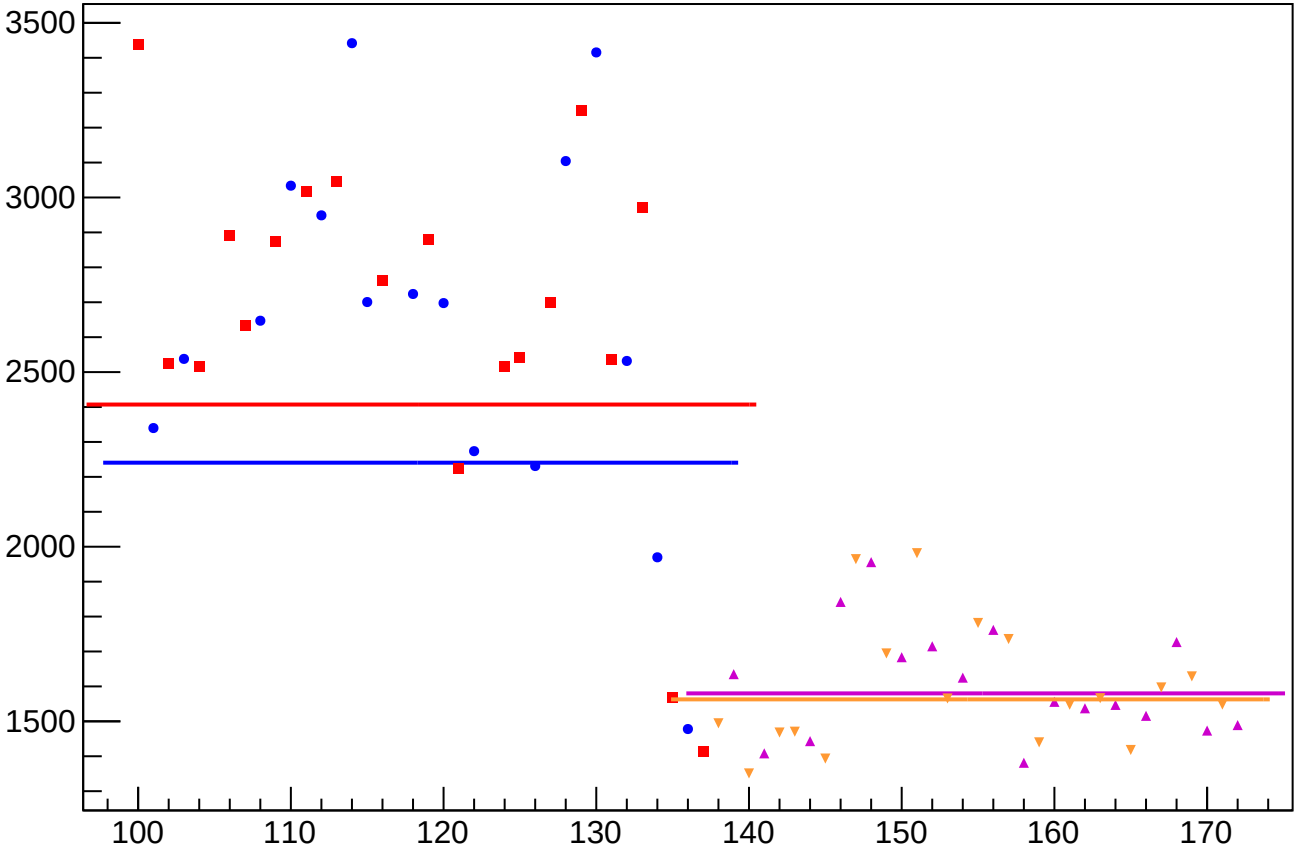
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 151.098+/-380.929 χ^2/NDF:51.4/32

Out: 457.340+/-378.900 χ^2/NDF:49.4/36

All: 305.037+/-268.637 χ^2/NDF: 101.1/69

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1562.876+/-0.295 χ^2/NDF:301703.1/17

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1580.022+/-0.300 χ^2/NDF:245881.8/16

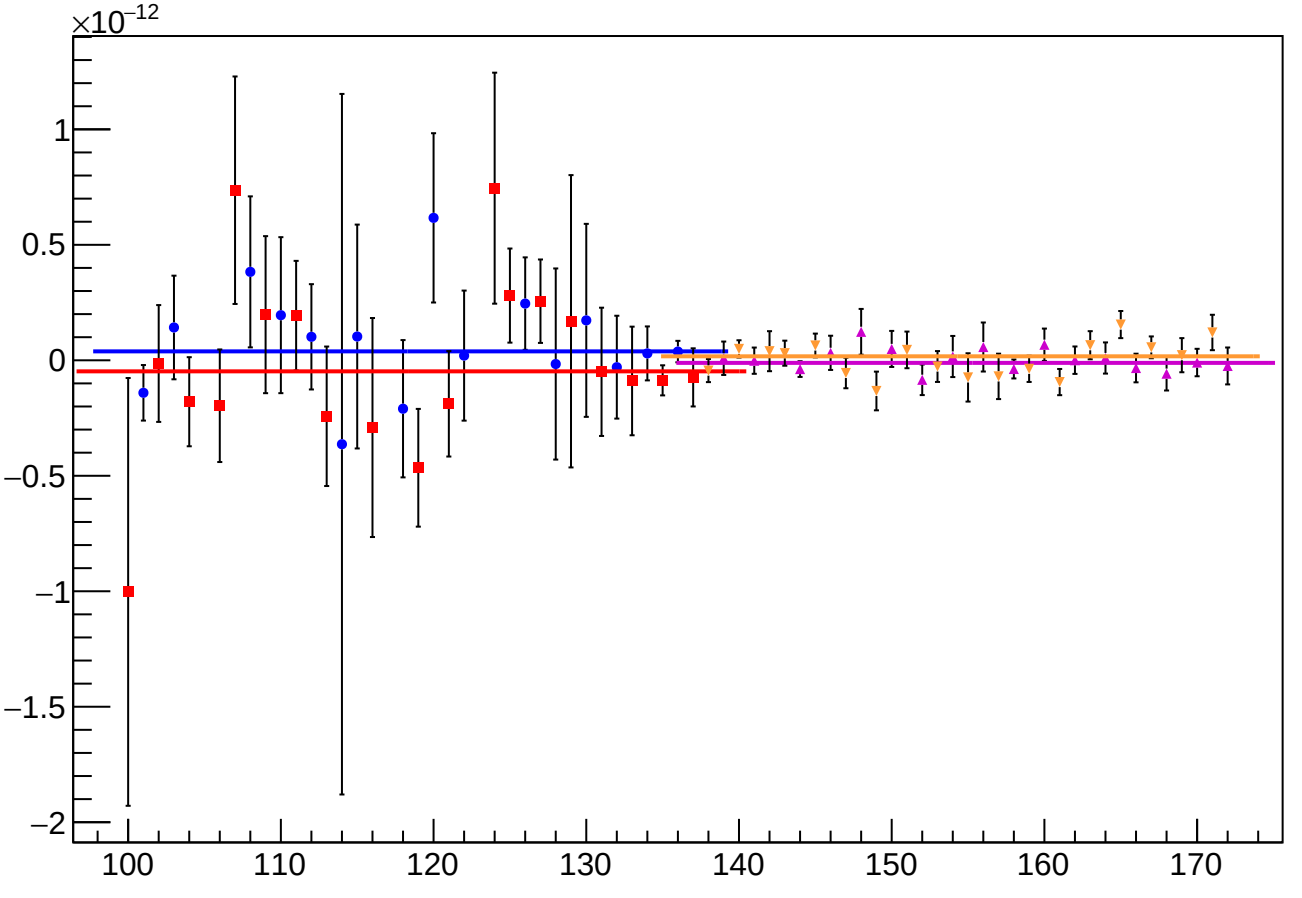
Left: 1571.302+/-0.210 χ^2/NDF: 549244.2/34

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1708.644+/-0.269 χ^2/NDF:2122565.0/32

Out: 1711.055+/-0.268 χ^2/NDF:2527550.7/36

All: 1709.856+/-0.190 χ^2/NDF: 4650156.0/69



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

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

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:7.6/16

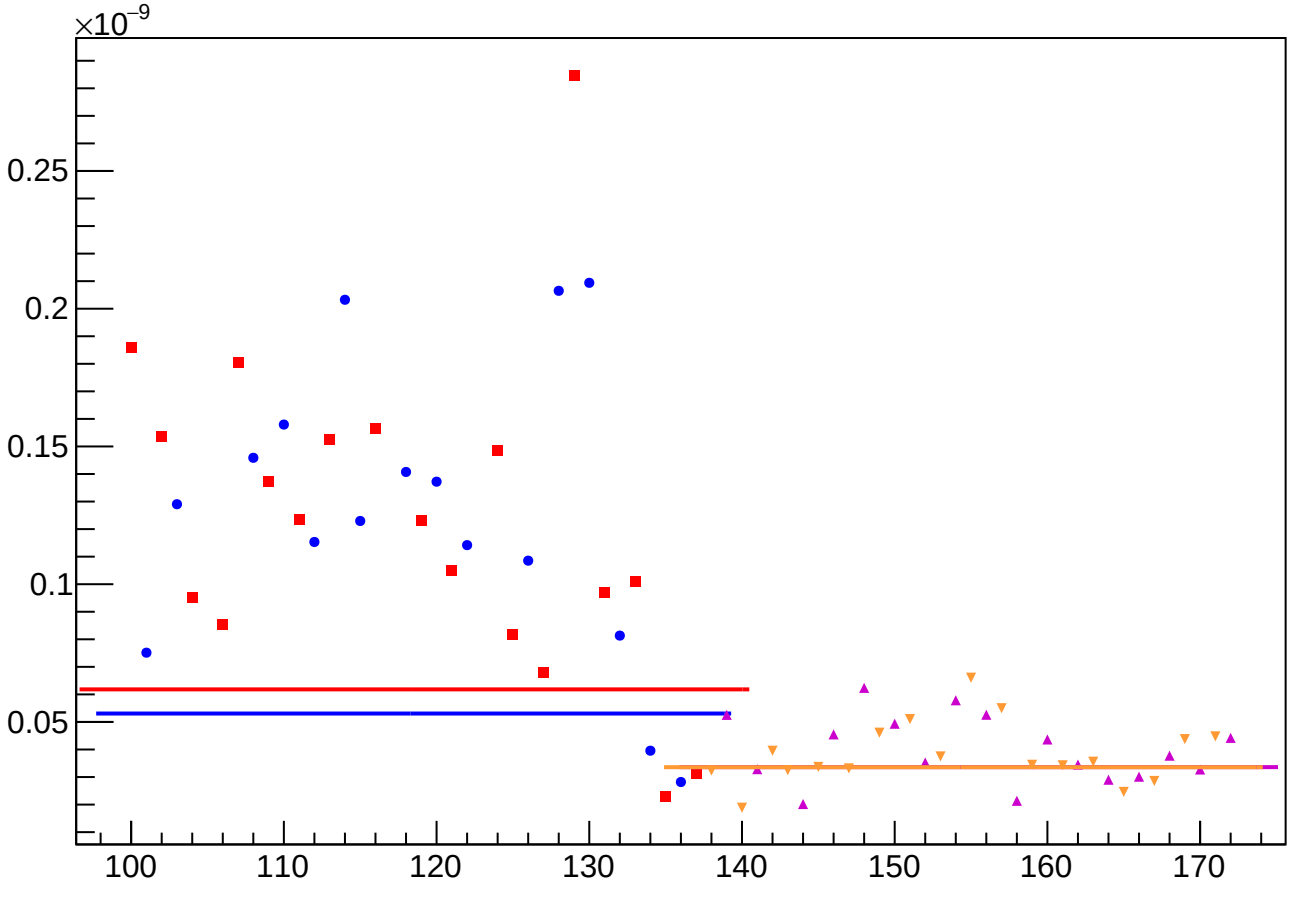
Left: 0.000+/-0.000 χ^2/NDF: 32.6/34

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:43.4/36

All: 0.000+/-0.000 χ^2/NDF: 61.6/69



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:908894.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1240664.4/16

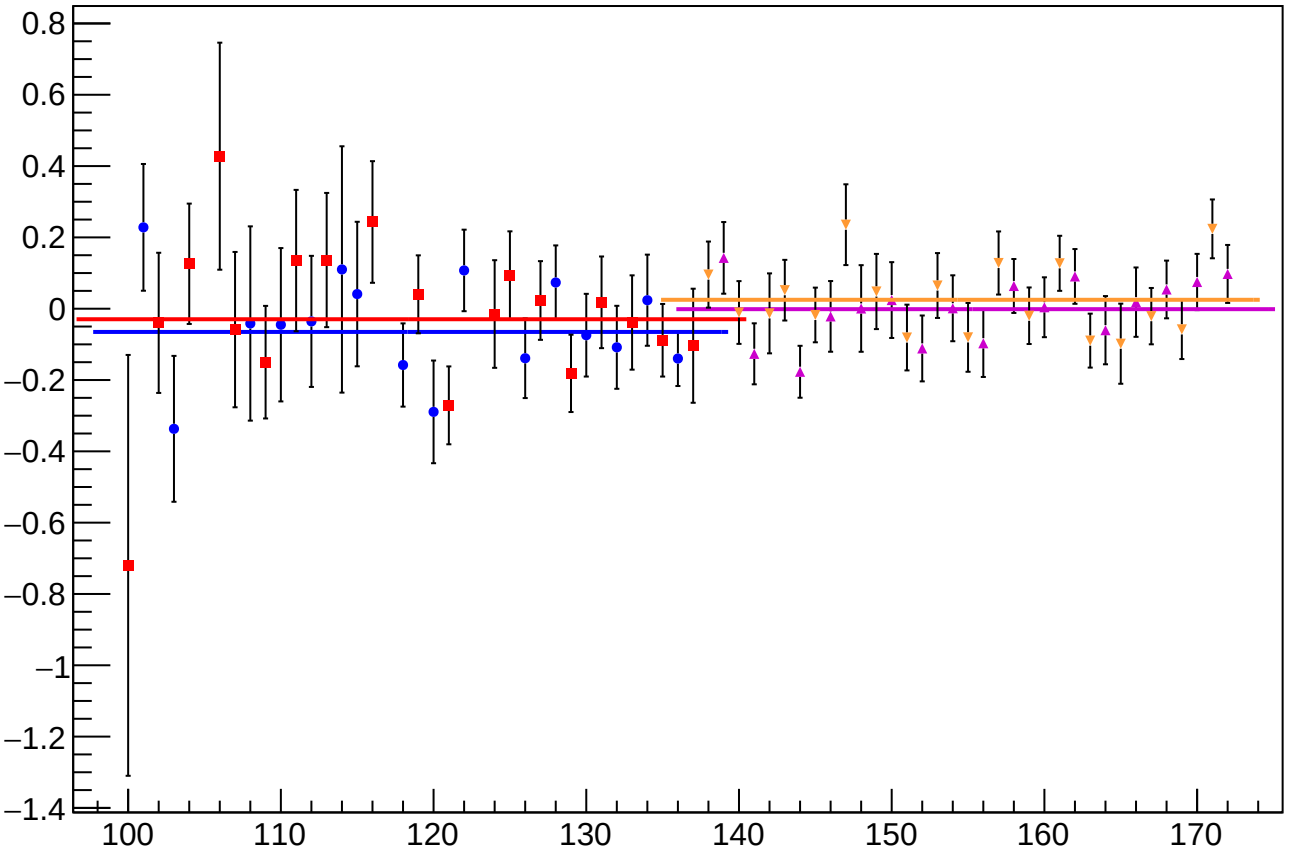
Left: 0.000+/-0.000 χ^2/NDF: 2149561.8/34

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:4091268.2/36

All: 0.000+/-0.000 χ^2/NDF: 8398133.8/69



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.021 χ^2/NDF:21.5/17

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.001+/-0.021 χ^2/NDF:18.0/16

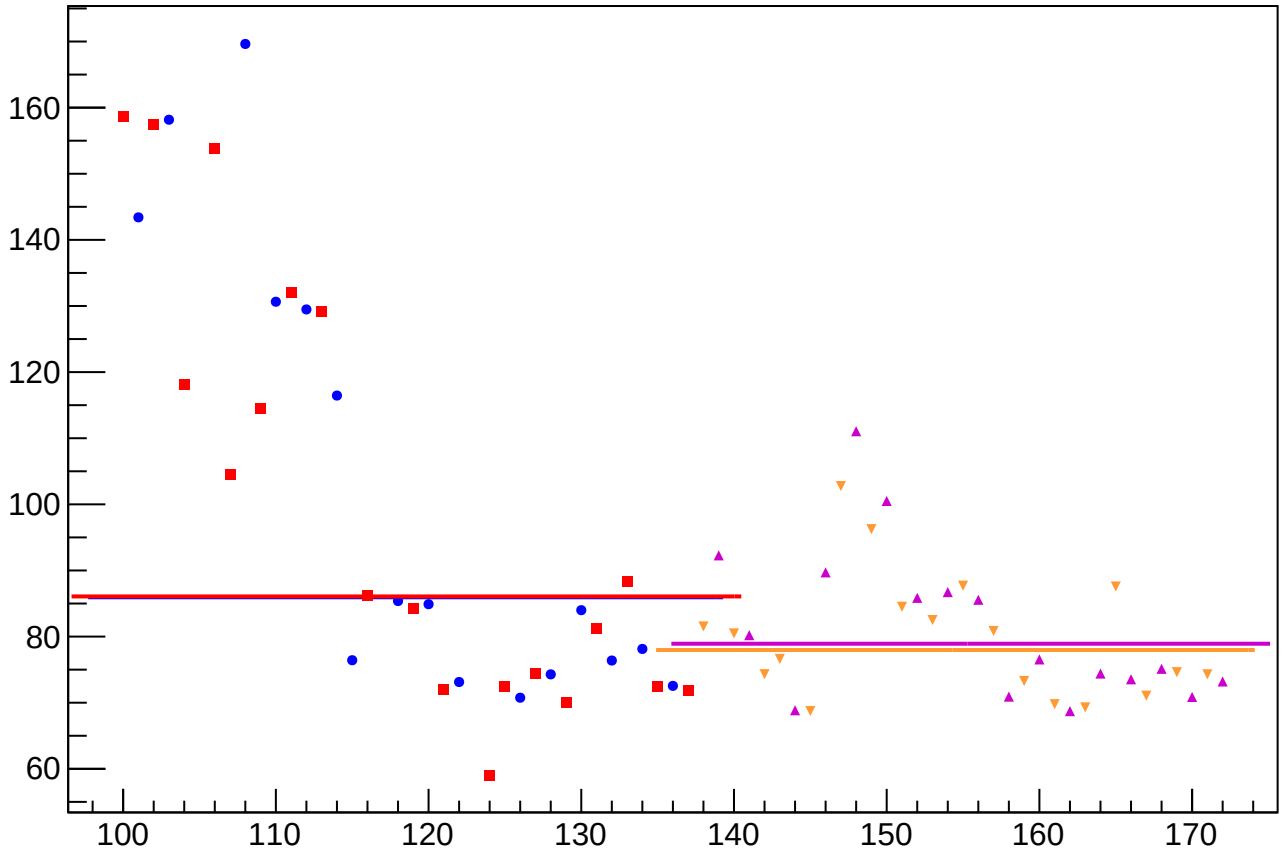
Left: 0.012+/-0.015 χ^2/NDF: 40.3/34

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.020+/-0.018 χ^2/NDF:34.8/32

Out: 0.009+/-0.018 χ^2/NDF:41.6/36

All: -0.005+/-0.013 χ^2/NDF: 77.8/69



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 77.966+/-0.015 χ^2/NDF:322505.4/17

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.921+/-0.015 χ^2/NDF:460549.2/16

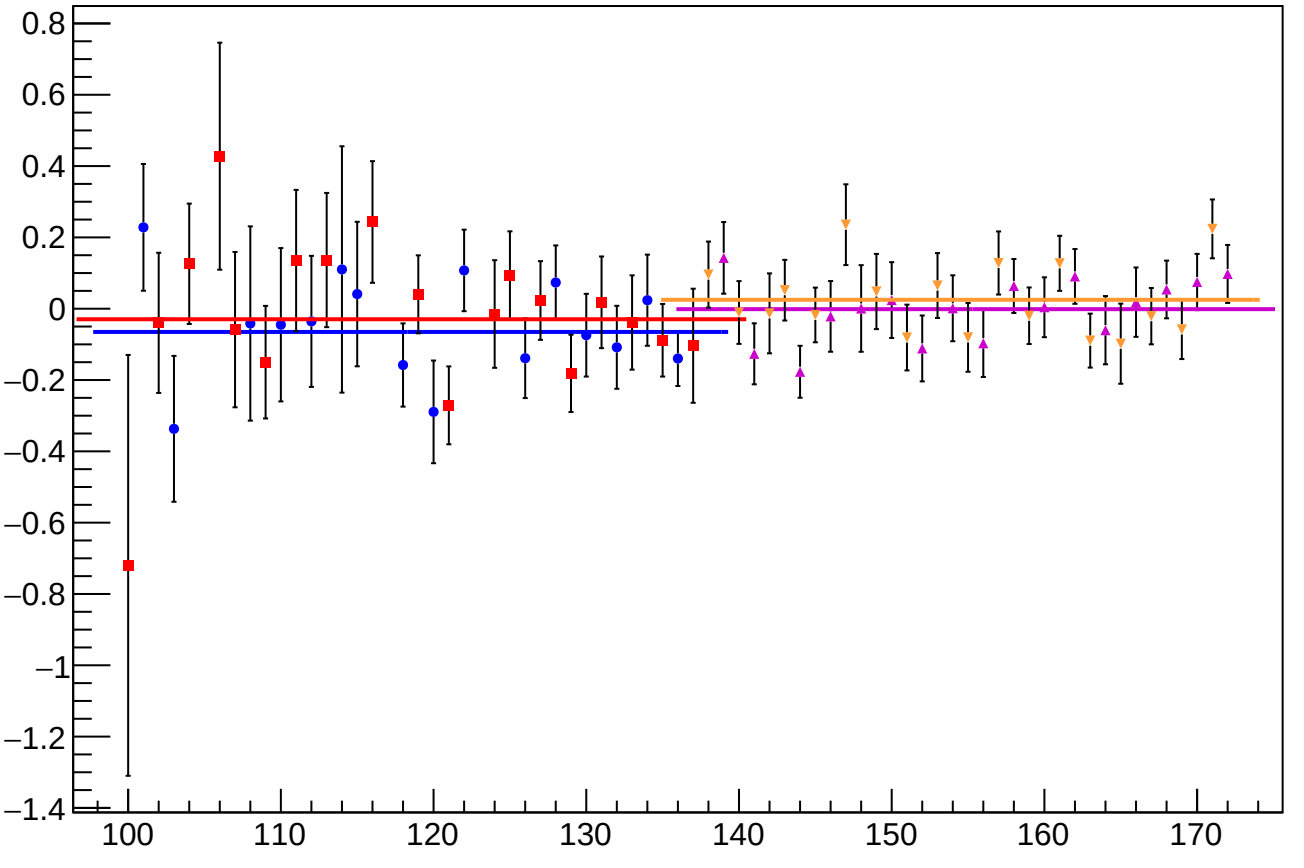
Left: 78.432+/-0.011 χ^2/NDF: 785103.8/34

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 80.966+/-0.013 χ^2/NDF:1558611.1/32

Out: 80.278+/-0.012 χ^2/NDF:1400344.4/36

All: 80.615+/-0.009 χ^2/NDF: 2960452.9/69



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.021 χ^2/NDF:21.5/17

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: -0.001+/-0.021 χ^2/NDF:18.0/16

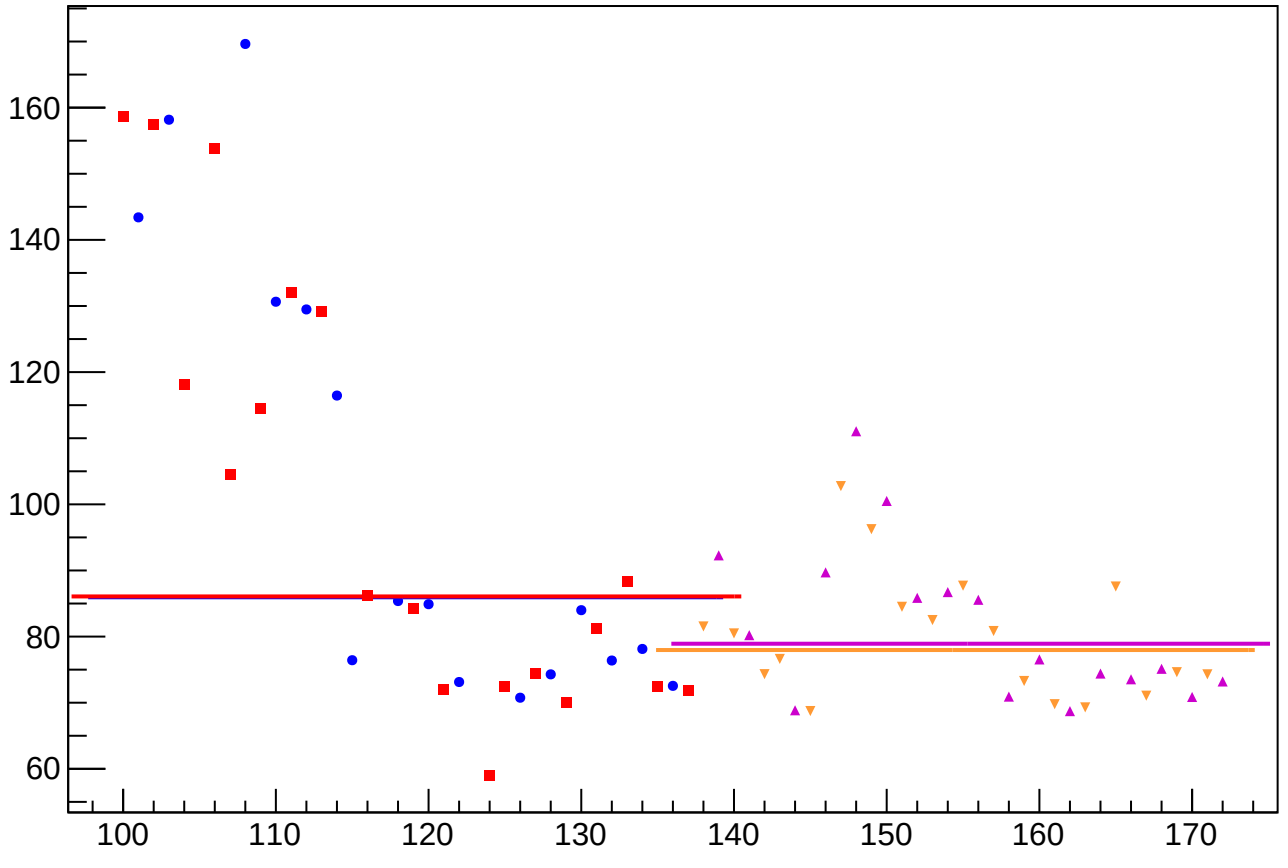
Left: 0.012+/-0.015 χ^2/NDF: 40.3/34

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.020+/-0.018 χ^2/NDF:34.8/32

Out: 0.009+/-0.018 χ^2/NDF:41.6/36

All: -0.005+/-0.013 χ^2/NDF: 77.8/69



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 77.966+/-0.015 χ^2/NDF:322505.4/17

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.921+/-0.015 χ^2/NDF:460549.2/16

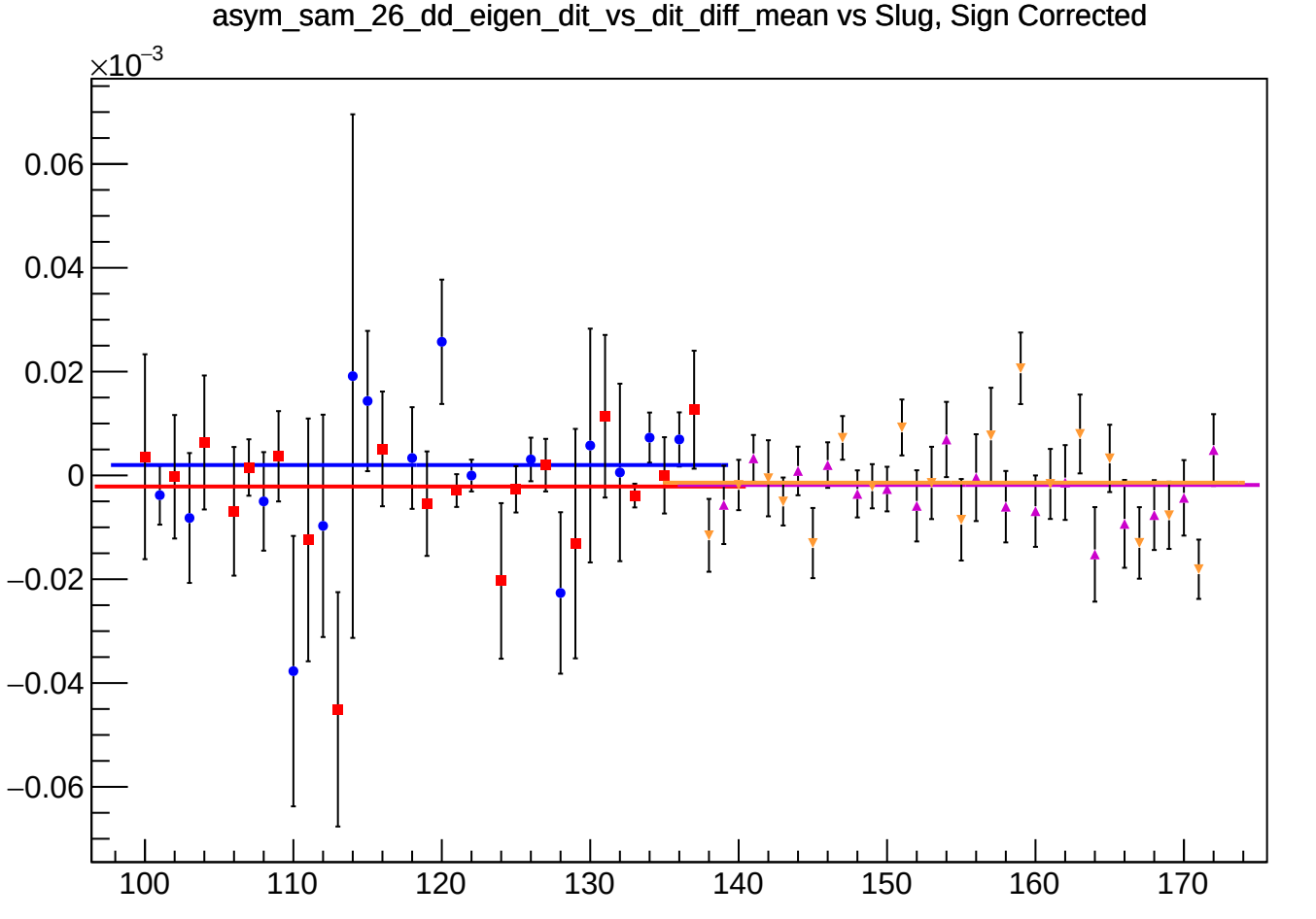
Left: 78.432+/-0.011 χ^2/NDF: 785103.8/34

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

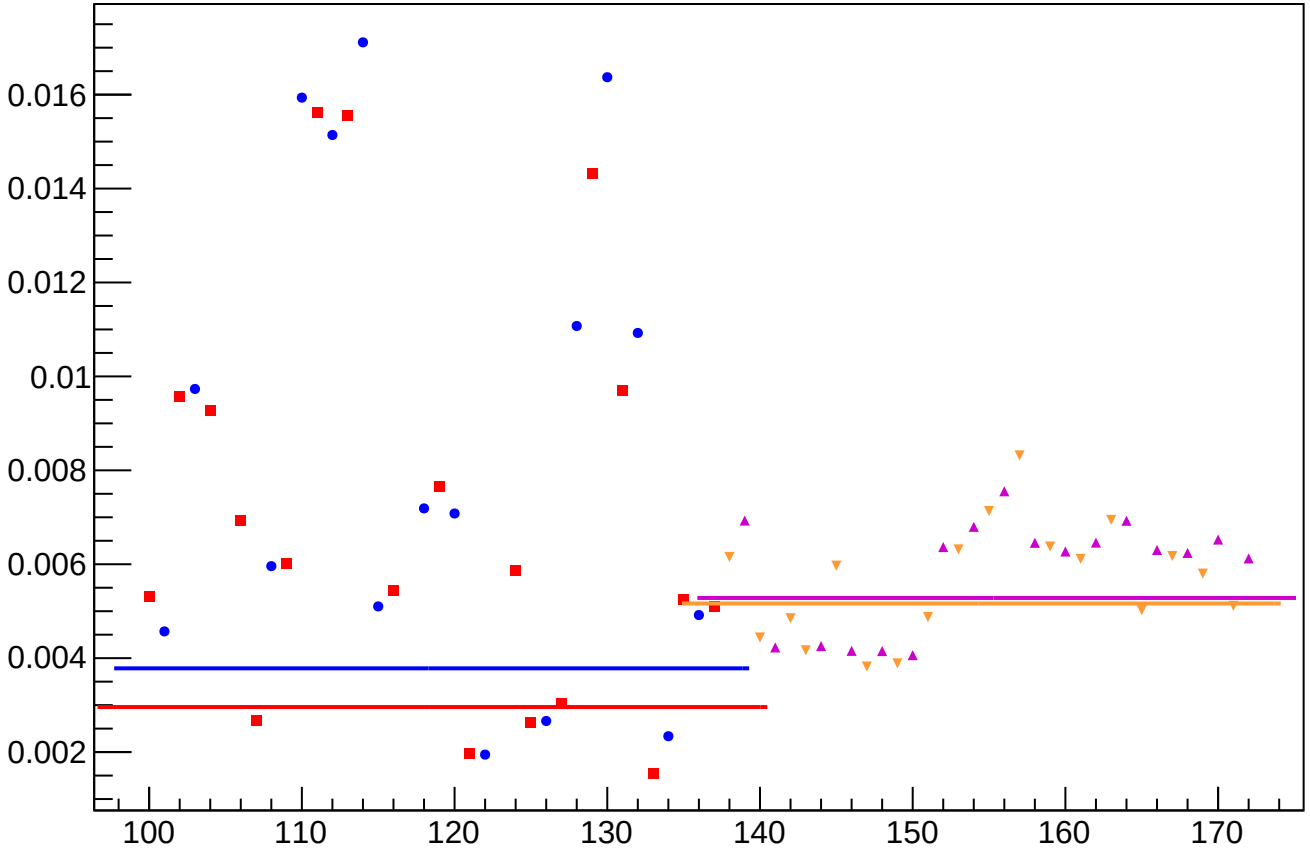
In: 80.966+/-0.013 χ^2/NDF:1558611.1/32

Out: 80.278+/-0.012 χ^2/NDF:1400344.4/36

All: 80.615+/-0.009 χ^2/NDF: 2960452.9/69


asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 14.9/15
Left Out: -0.000+/-0.000 χ²/NDF:40.2/17
Right Out: -0.000+/-0.000 χ²/NDF: 11.5/18
Left In: -0.000+/-0.000 χ²/NDF:10.3/16
Left: -0.000+/-0.000 χ²/NDF: 50.6/34
Right: -0.000+/-0.000 χ²/NDF: 29.8/34
In: -0.000+/-0.000 χ²/NDF:28.1/32
Out: -0.000+/-0.000 χ²/NDF:51.9/36
All: -0.000+/-0.000 χ²/NDF: 80.9/69

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1290129.6/17

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:1378411.4/16

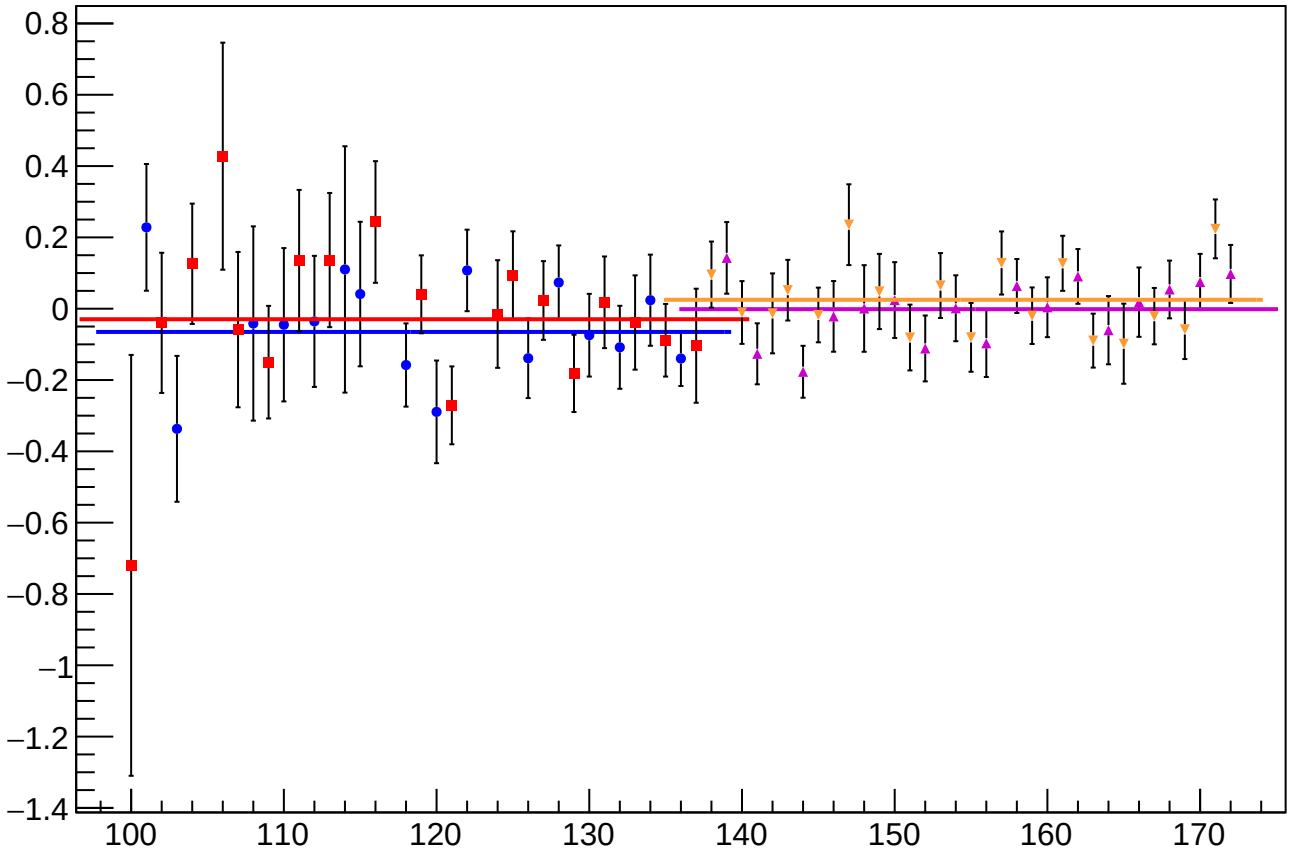
Left: 0.005+/-0.000 χ^2/NDF: 2675362.3/34

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:9301645.5/36

All: 0.004+/-0.000 χ^2/NDF: 16575856.0/69



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.021 χ^2/NDF:21.5/17

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: 0.012+/-0.015 χ^2/NDF: 40.3/34

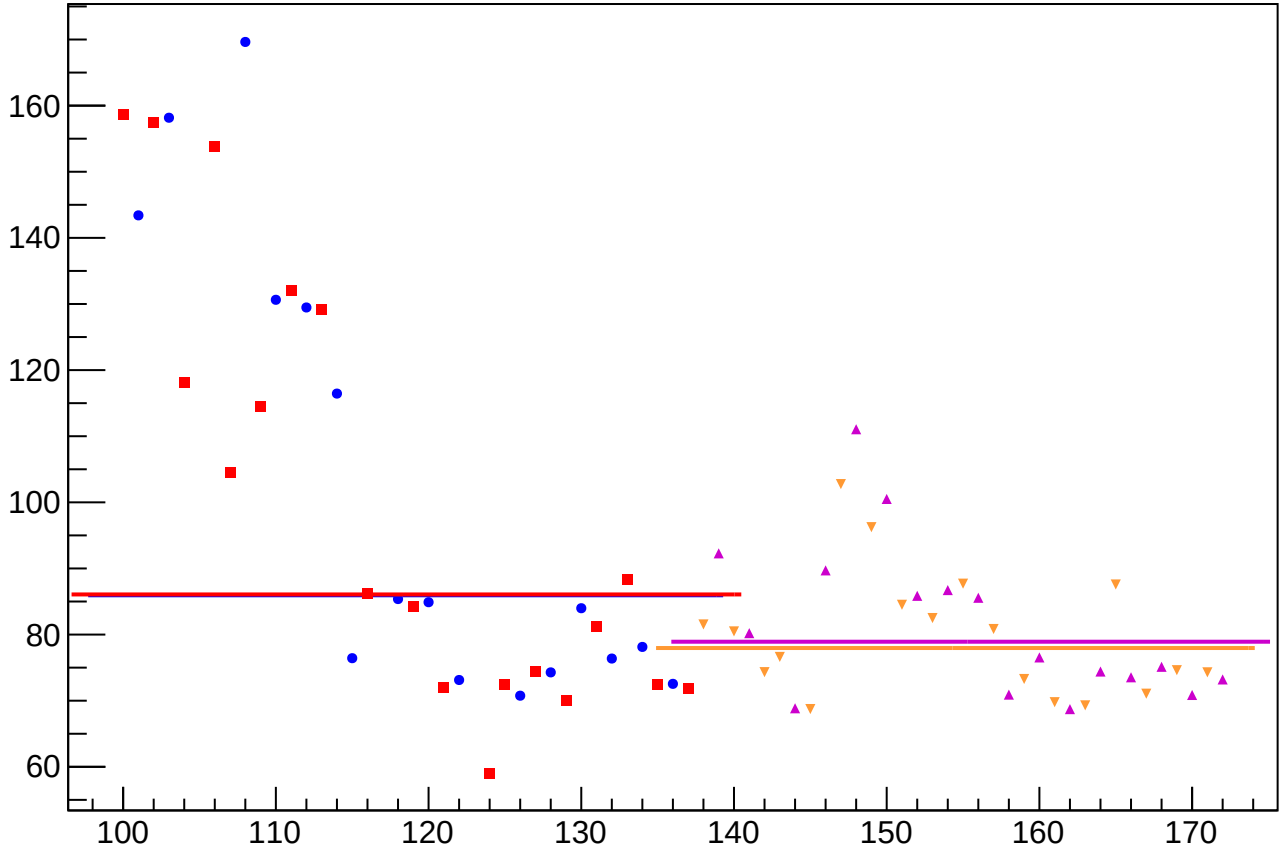
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.020+/-0.018 χ^2/NDF:34.8/32

Out: 0.009+/-0.018 χ^2/NDF:41.6/36

All: -0.005+/-0.013 χ^2/NDF: 77.7/69

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: 77.966+/-0.015 χ^2/NDF:322553.0/17

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: 78.431+/-0.011 χ^2/NDF: 785192.1/34

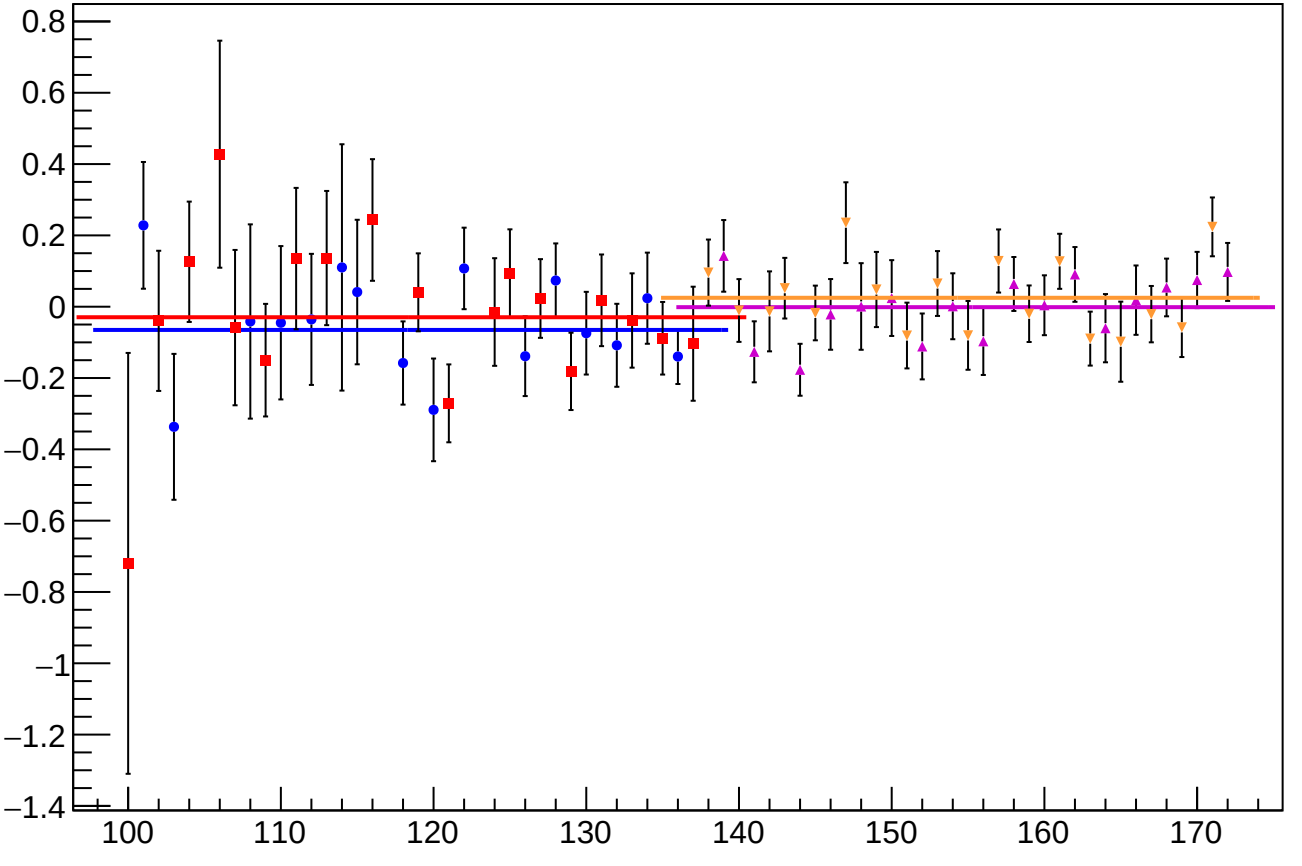
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 80.965+/-0.013 χ^2/NDF:1558607.2/32

Out: 80.277+/-0.012 χ^2/NDF:1400357.5/36

All: 80.614+/-0.009 χ^2/NDF: 2960461.1/69

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.025+/-0.021 χ^2/NDF:21.5/17

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: 0.012+/-0.015 χ^2/NDF: 40.3/34

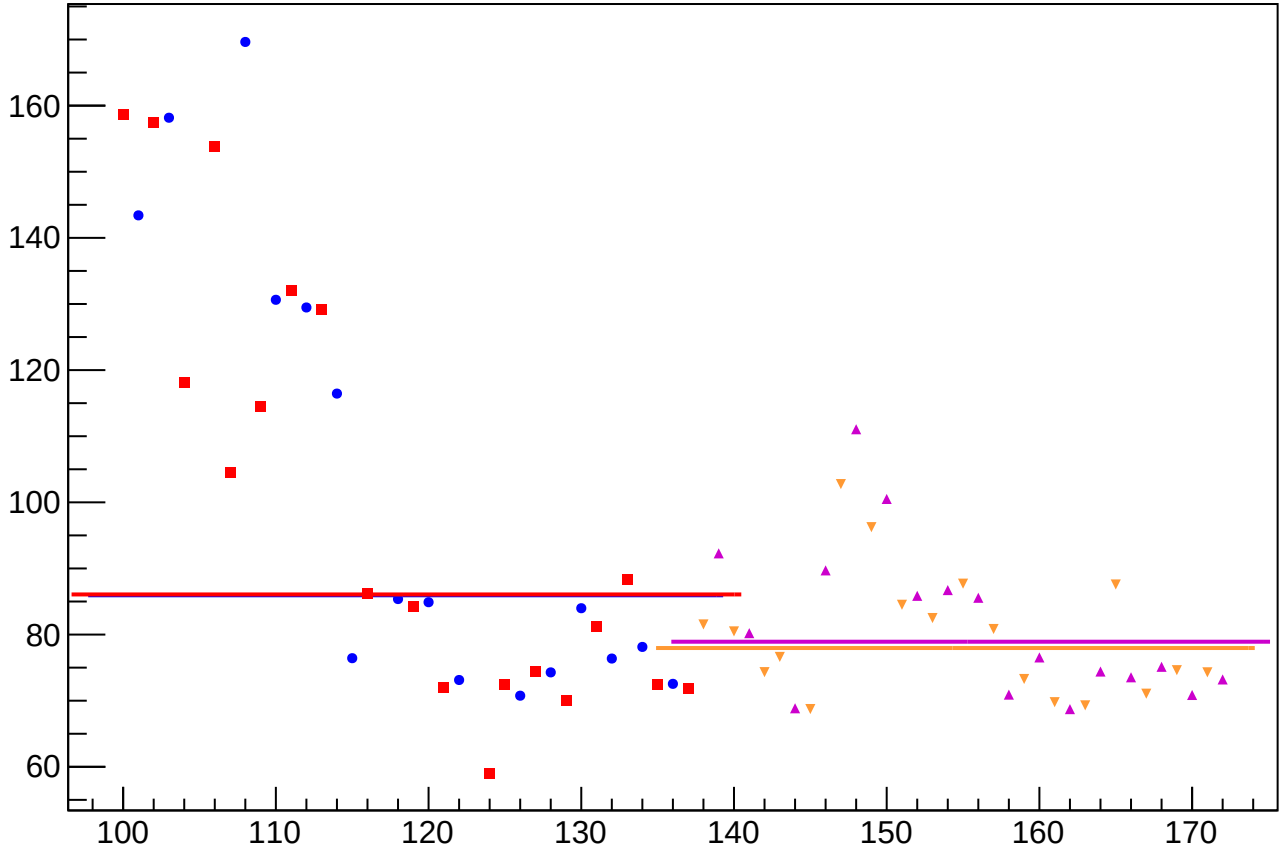
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.020+/-0.018 χ^2/NDF:34.8/32

Out: 0.009+/-0.018 χ^2/NDF:41.6/36

All: -0.005+/-0.013 χ^2/NDF: 77.7/69

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: 77.966+/-0.015 χ^2/NDF:322553.0/17

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.920+/-0.015 χ^2/NDF:460590.5/16

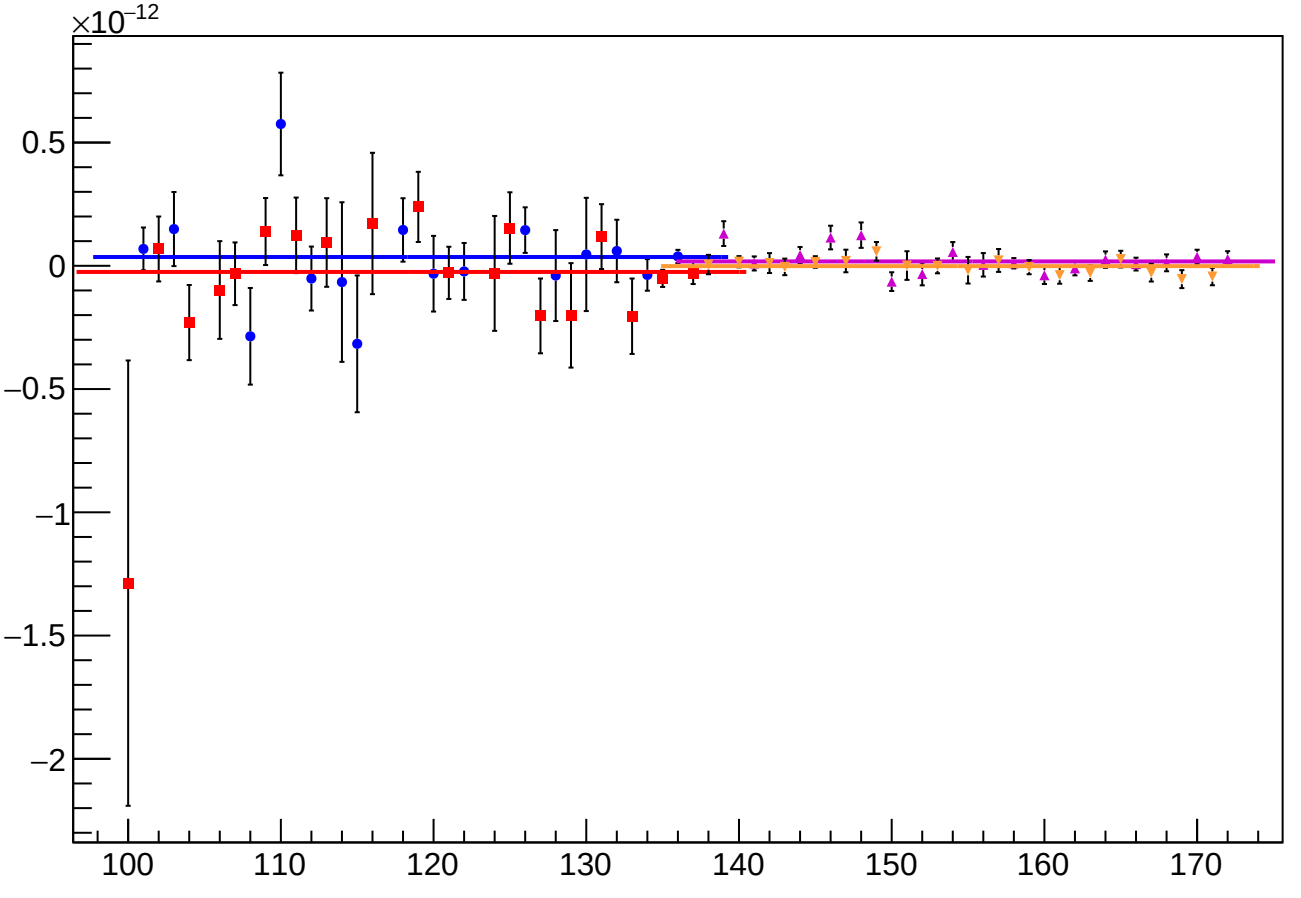
Left: 78.431+/-0.011 χ^2/NDF: 785192.1/34

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 80.965+/-0.013 χ^2/NDF:1558607.2/32

Out: 80.277+/-0.012 χ^2/NDF:1400357.5/36

All: 80.614+/-0.009 χ^2/NDF: 2960461.1/69



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.9/17

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:25.3/16

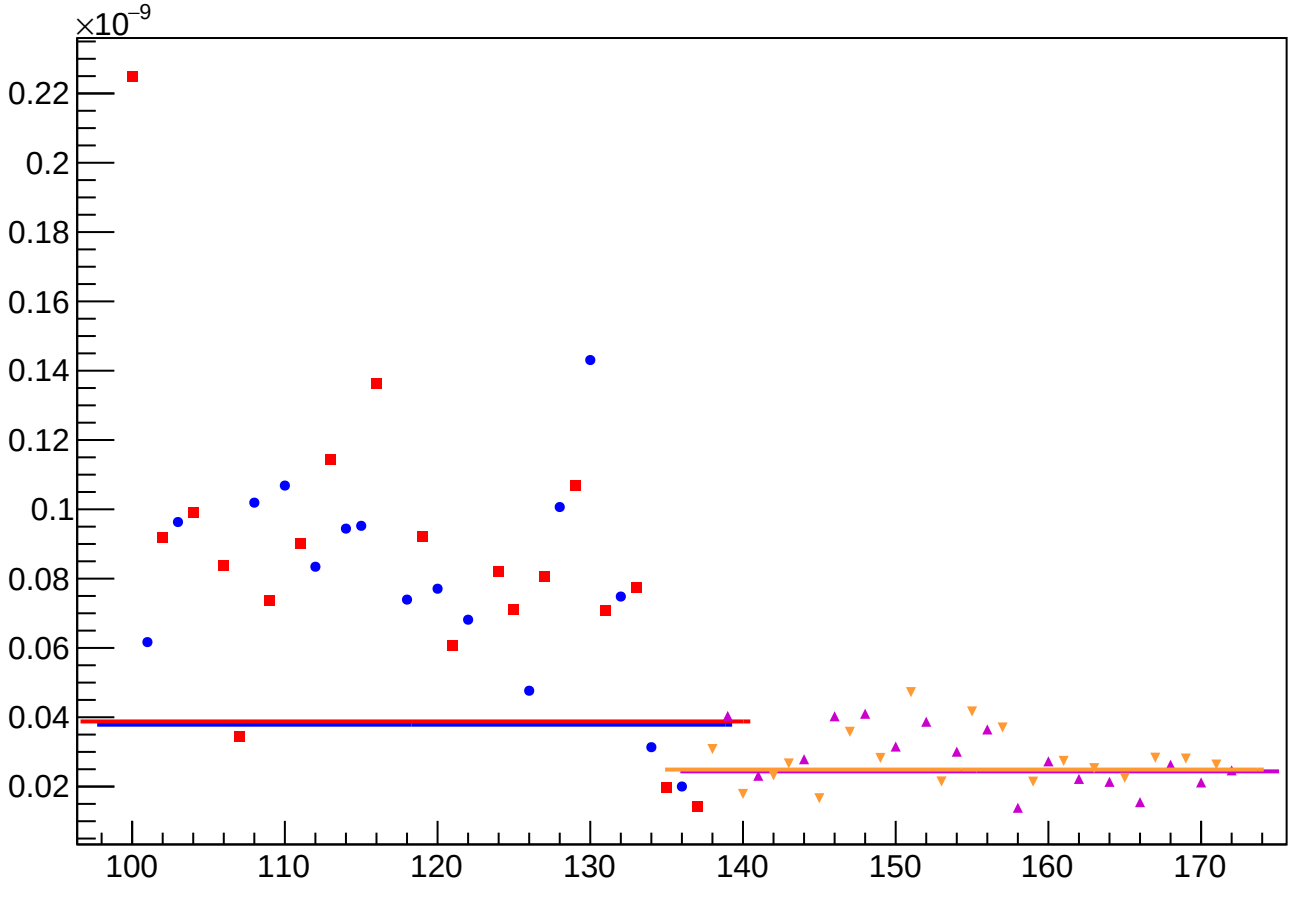
Left: 0.000+/-0.000 χ^2/NDF: 39.1/34

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:29.8/36

All: 0.000+/-0.000 χ^2/NDF: 77.3/69



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1358911.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1895912.9/16

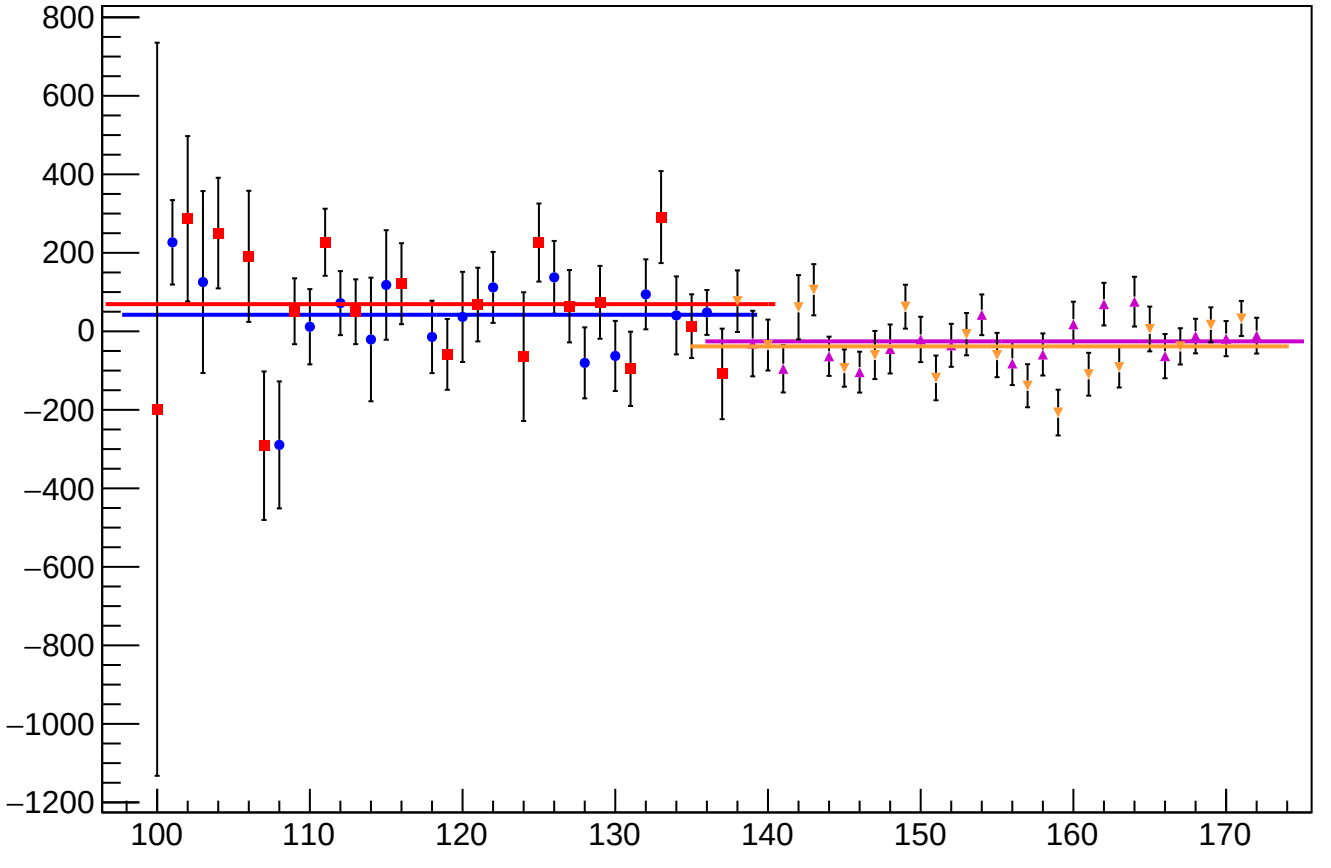
Left: 0.000+/-0.000 χ^2/NDF: 3259005.0/34

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:6173055.8/36

All: 0.000+/-0.000 χ^2/NDF: 12267239.4/69



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -38.319+/-13.026 χ^2/NDF:34.9/17

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -25.532+/-13.101 χ^2/NDF:14.3/16

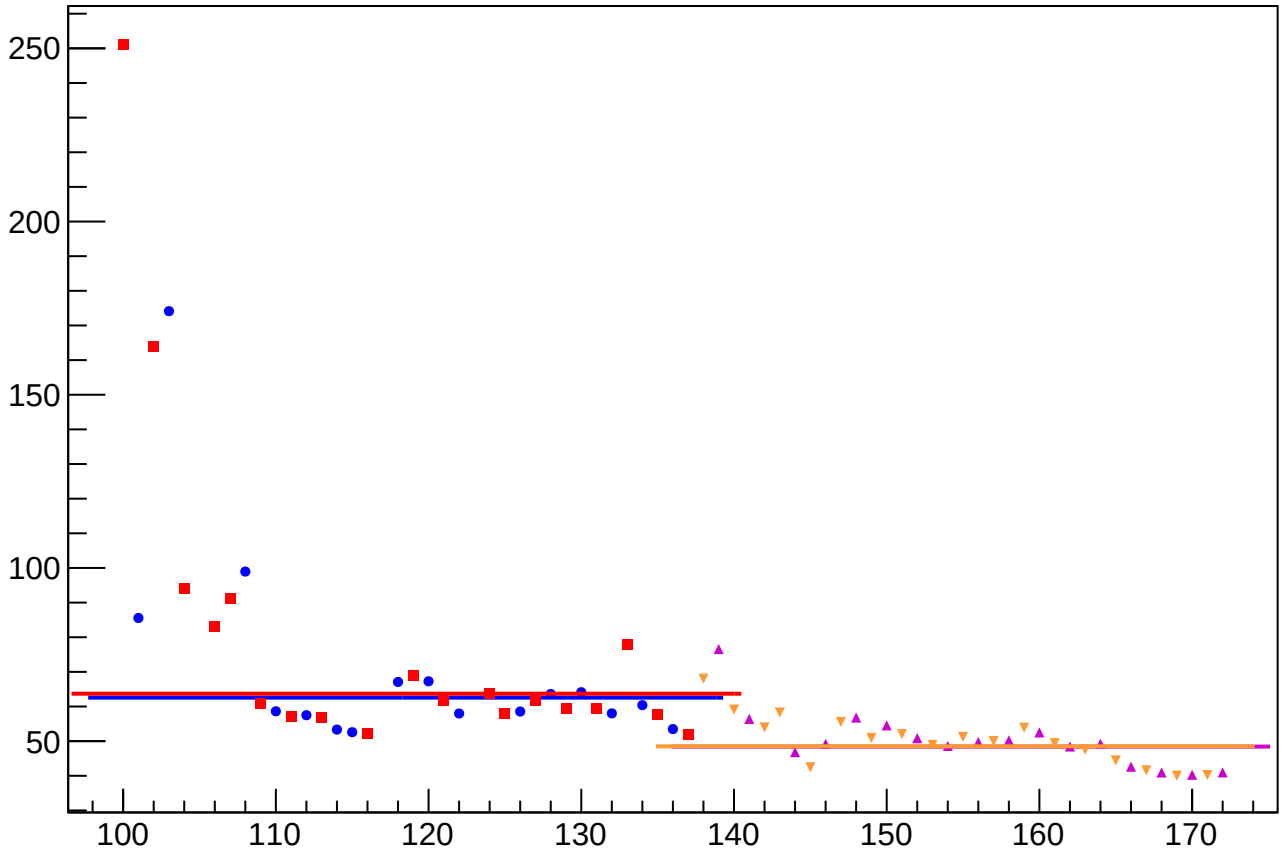
Left: -31.962+/-9.237 χ^2/NDF: 49.7/34

Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -10.182+/-11.522 χ^2/NDF:33.9/32

Out: -14.489+/-11.493 χ^2/NDF:75.3/36

All: -12.341+/-8.137 χ^2/NDF: 109.3/69



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 48.502+/-0.009 χ^2/NDF:521309.9/17

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 48.428+/-0.009 χ^2/NDF:539256.7/16

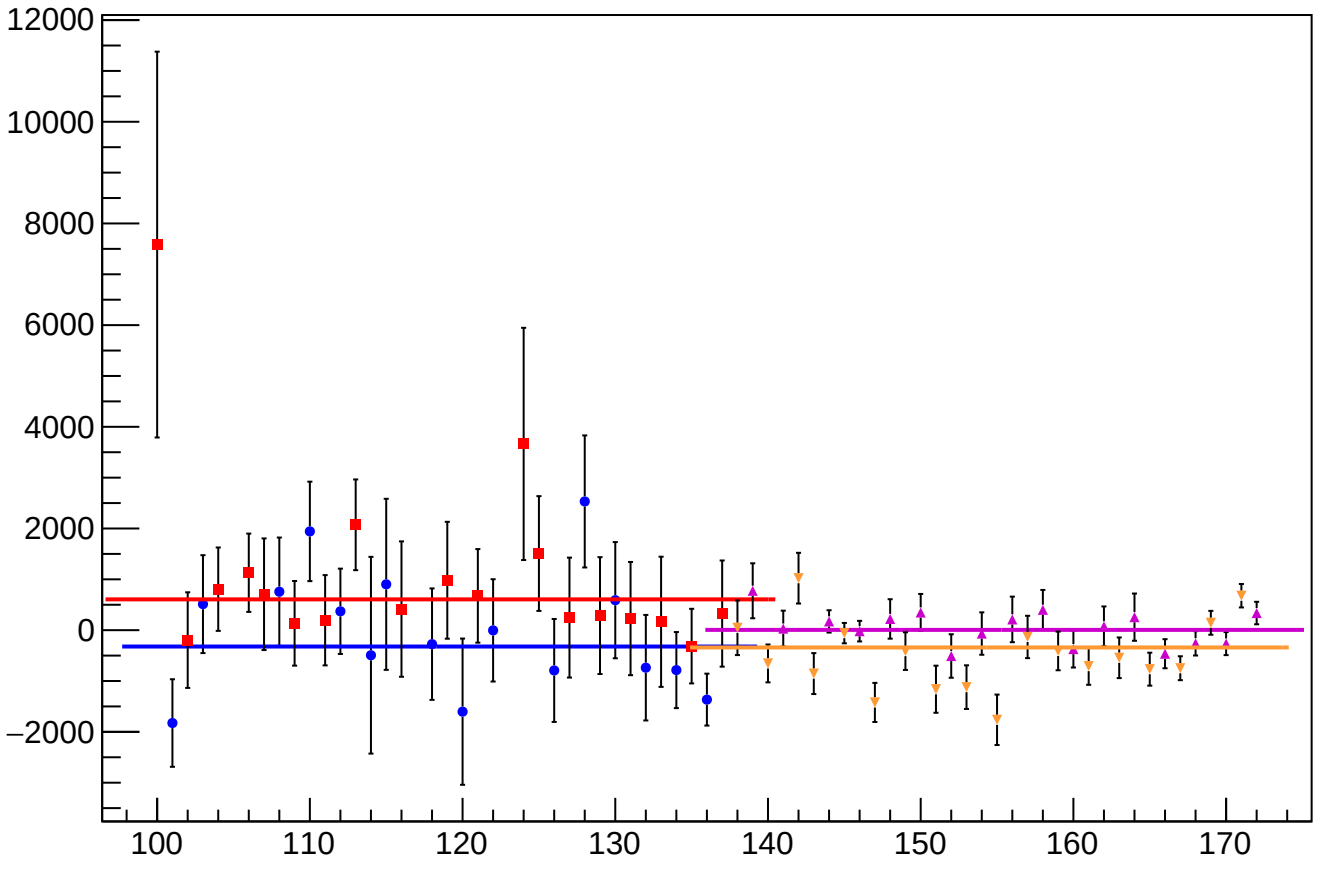
Left: 48.465+/-0.007 χ^2/NDF: 1060598.7/34

Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 51.631+/-0.008 χ^2/NDF:1825515.2/32

Out: 51.869+/-0.008 χ^2/NDF:1958587.9/36

All: 51.750+/-0.006 χ^2/NDF: 3784530.2/69



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -340.233+/-77.871 χ^2/NDF:65.0/17

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: 5.636+/-74.162 χ^2/NDF:15.5/16

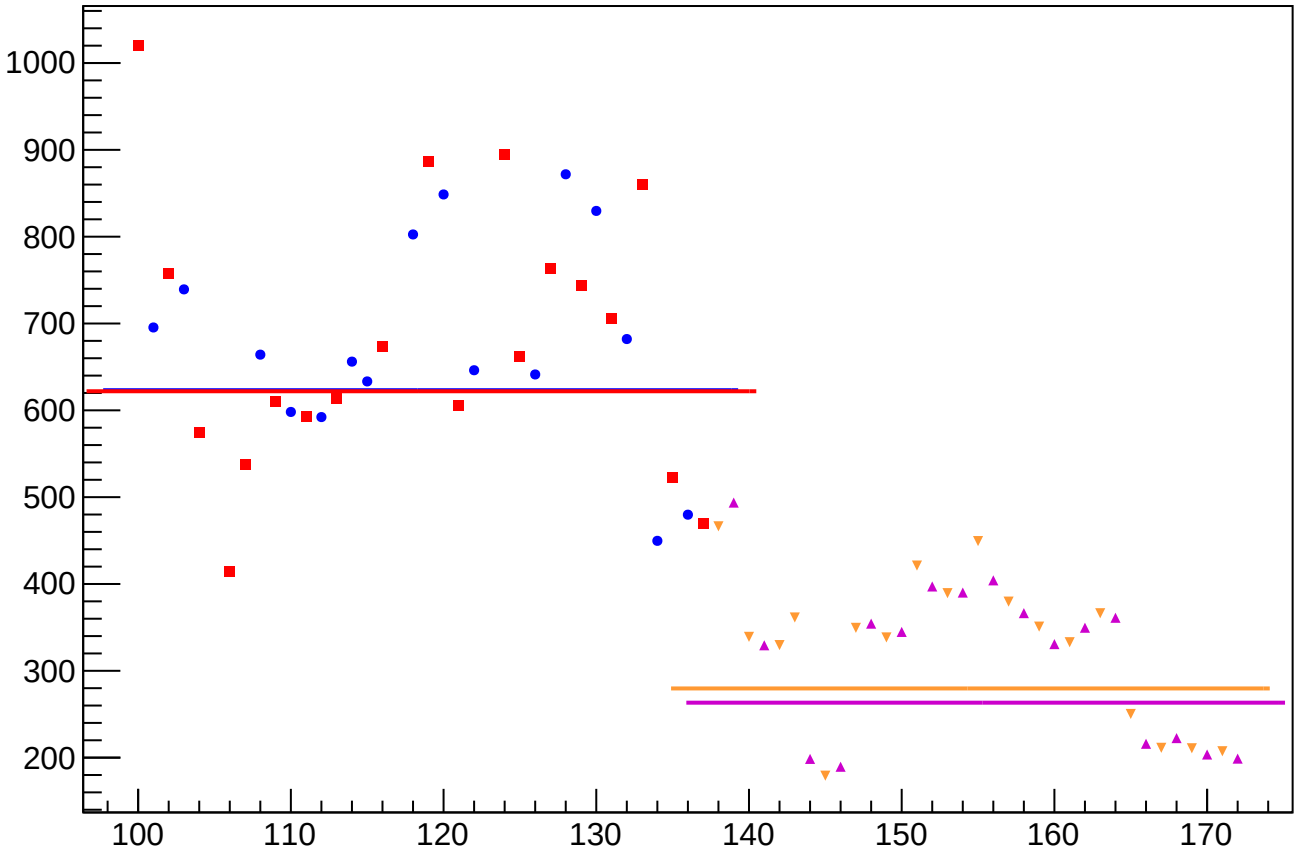
Left: -158.867+/-53.704 χ^2/NDF: 90.8/34

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: -23.225+/-70.817 χ^2/NDF:39.9/32

Out: -245.647+/-73.876 χ^2/NDF:92.2/36

All: -129.736+/-51.122 χ^2/NDF: 136.9/69



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 279.693+/-0.055 χ^2/NDF:2442061.9/17

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 263.297+/-0.052 χ^2/NDF:2476888.9/16

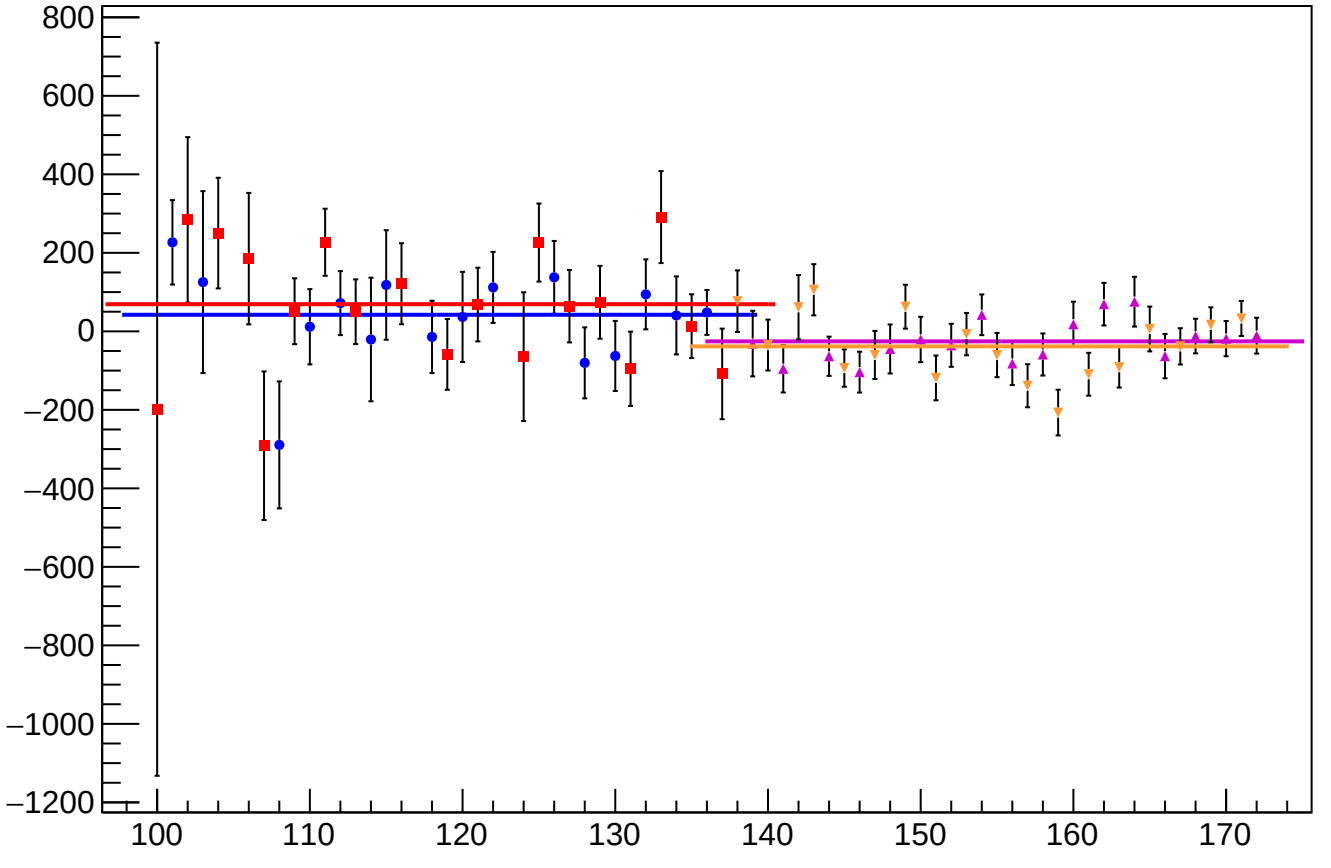
Left: 271.095+/-0.038 χ^2/NDF: 4965443.7/34

Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 295.031+/-0.050 χ^2/NDF:7195318.5/32

Out: 313.913+/-0.052 χ^2/NDF:6887841.9/36

All: 304.073+/-0.036 χ^2/NDF: 14151245.6/69



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -38.317+/-13.026 χ^2/NDF:34.9/17

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: -31.961+/-9.237 χ^2/NDF: 49.6/34

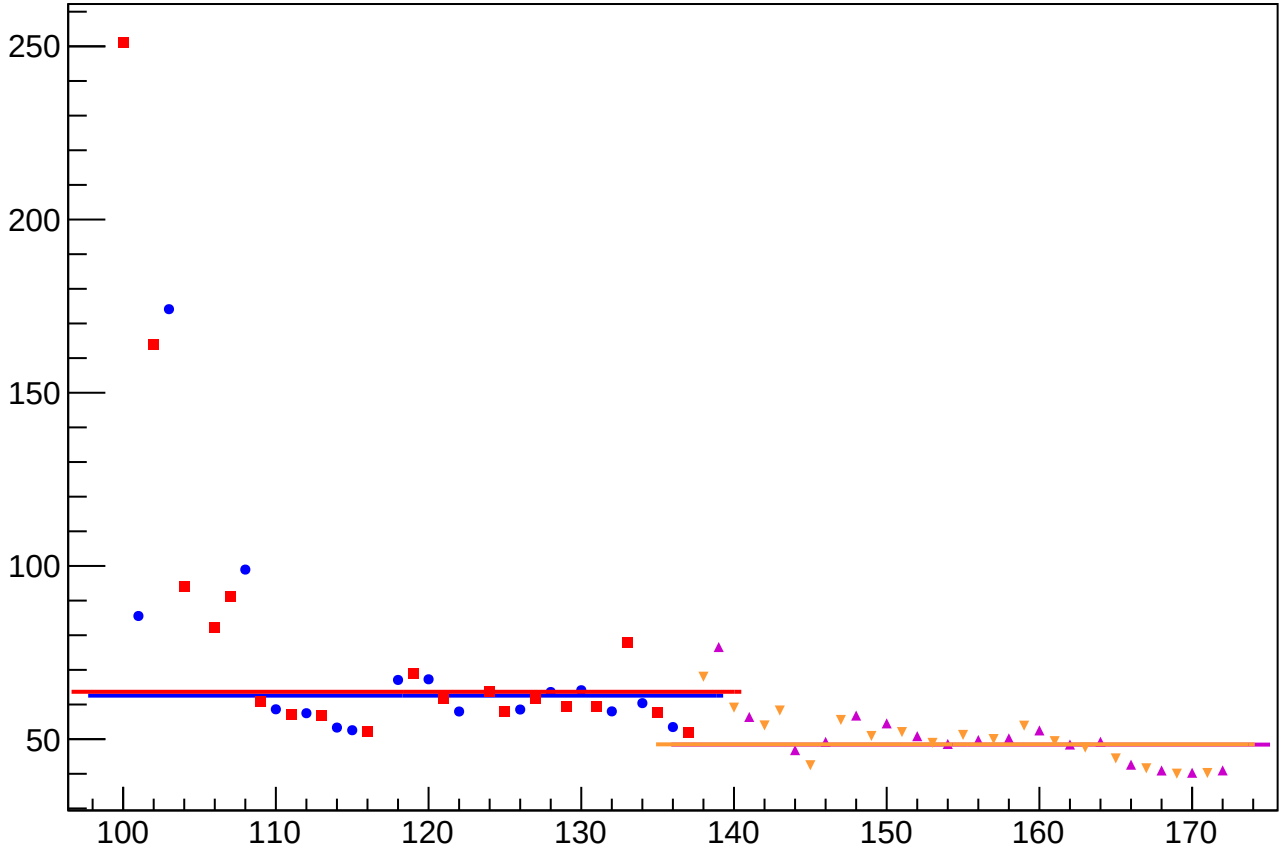
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -10.183+/-11.522 χ^2/NDF:33.9/32

Out: -14.530+/-11.493 χ^2/NDF:75.2/36

All: -12.362+/-8.137 χ^2/NDF: 109.2/69

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 48.502+/-0.009 χ^2/NDF:521309.8/17

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 48.428+/-0.009 χ^2/NDF:539256.7/16

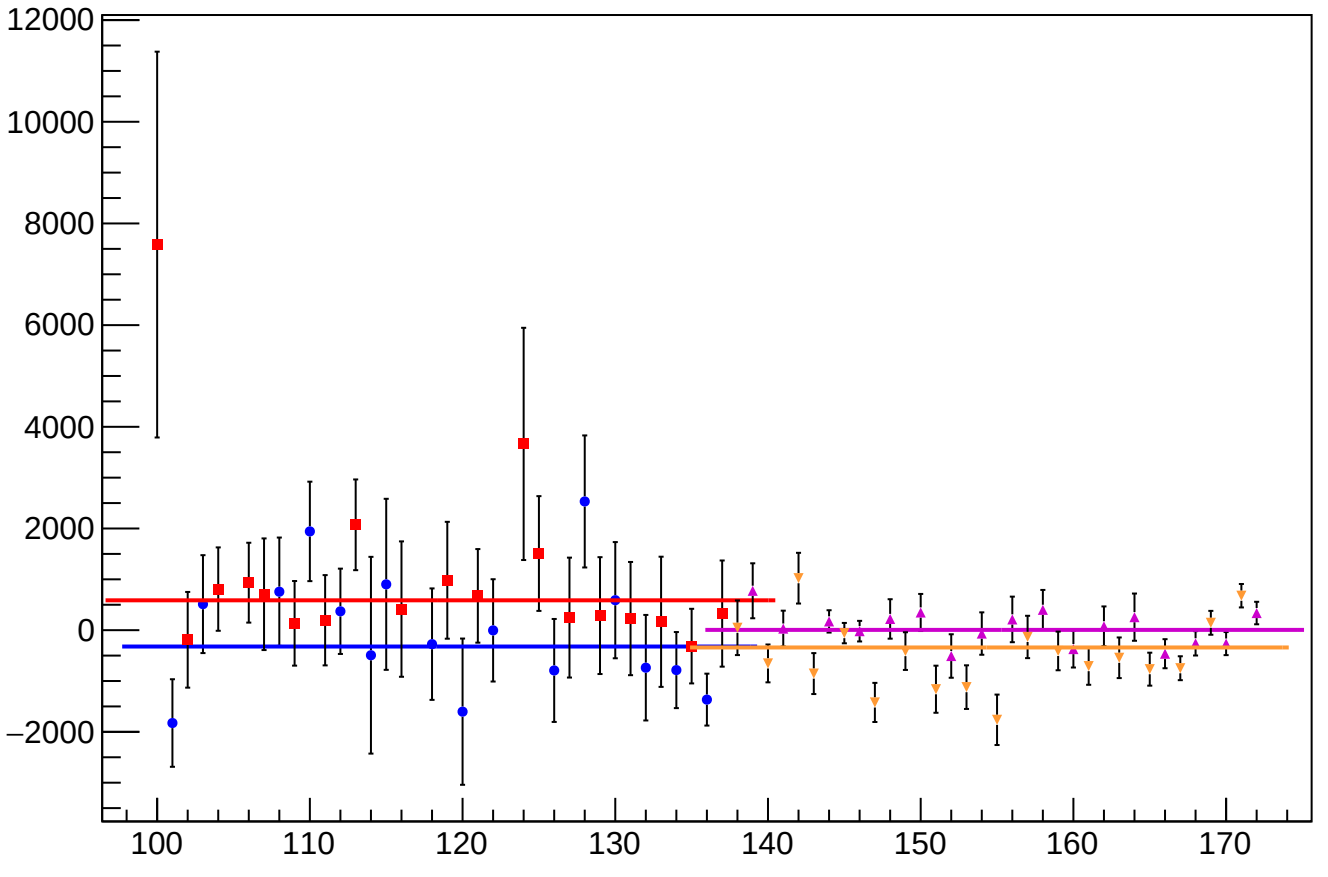
Left: 48.465+/-0.007 χ^2/NDF: 1060598.7/34

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 51.631+/-0.008 χ^2/NDF:1825517.0/32

Out: 51.863+/-0.008 χ^2/NDF:1953868.9/36

All: 51.747+/-0.006 χ^2/NDF: 3779792.9/69



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -340.229+/-77.871 χ^2/NDF:65.0/17

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 5.639+/-74.162 χ^2/NDF:15.5/16

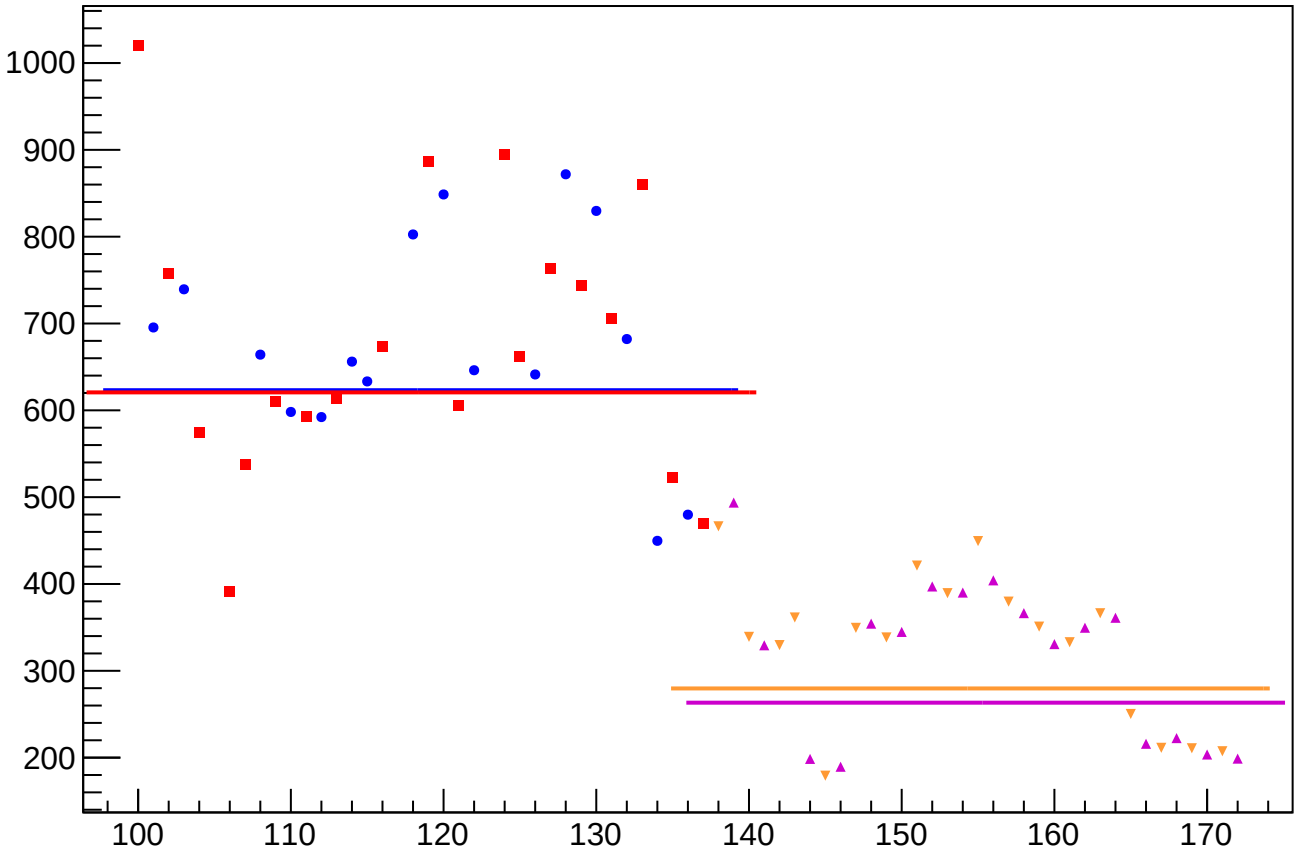
Left: -158.864+/-53.704 χ^2/NDF: 90.8/34

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: -23.222+/-70.817 χ^2/NDF:39.9/32

Out: -247.818+/-73.889 χ^2/NDF:91.3/36

All: -130.754+/-51.127 χ^2/NDF: 136.0/69



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 279.692+/-0.055 χ^2/NDF:2442076.9/17

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 263.297+/-0.052 χ^2/NDF:2476883.3/16

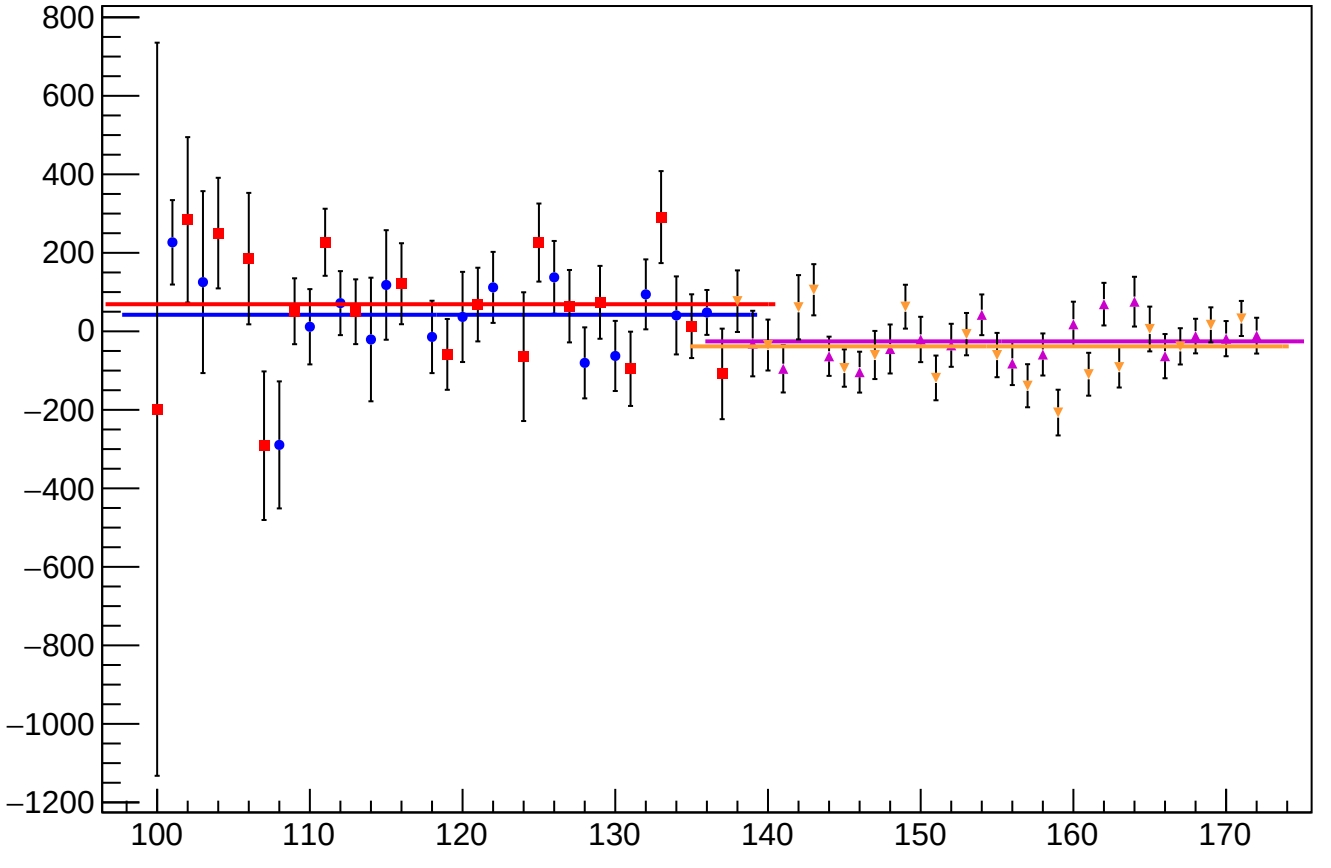
Left: 271.095+/-0.038 χ^2/NDF: 4965450.2/34

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 295.031+/-0.050 χ^2/NDF:7195362.5/32

Out: 313.668+/-0.052 χ^2/NDF:6873597.5/36

All: 303.954+/-0.036 χ^2/NDF: 14135276.6/69


eigen_cor_asym_sam_37_dd_mean vs Slug, Sign Corrected
800
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−1200
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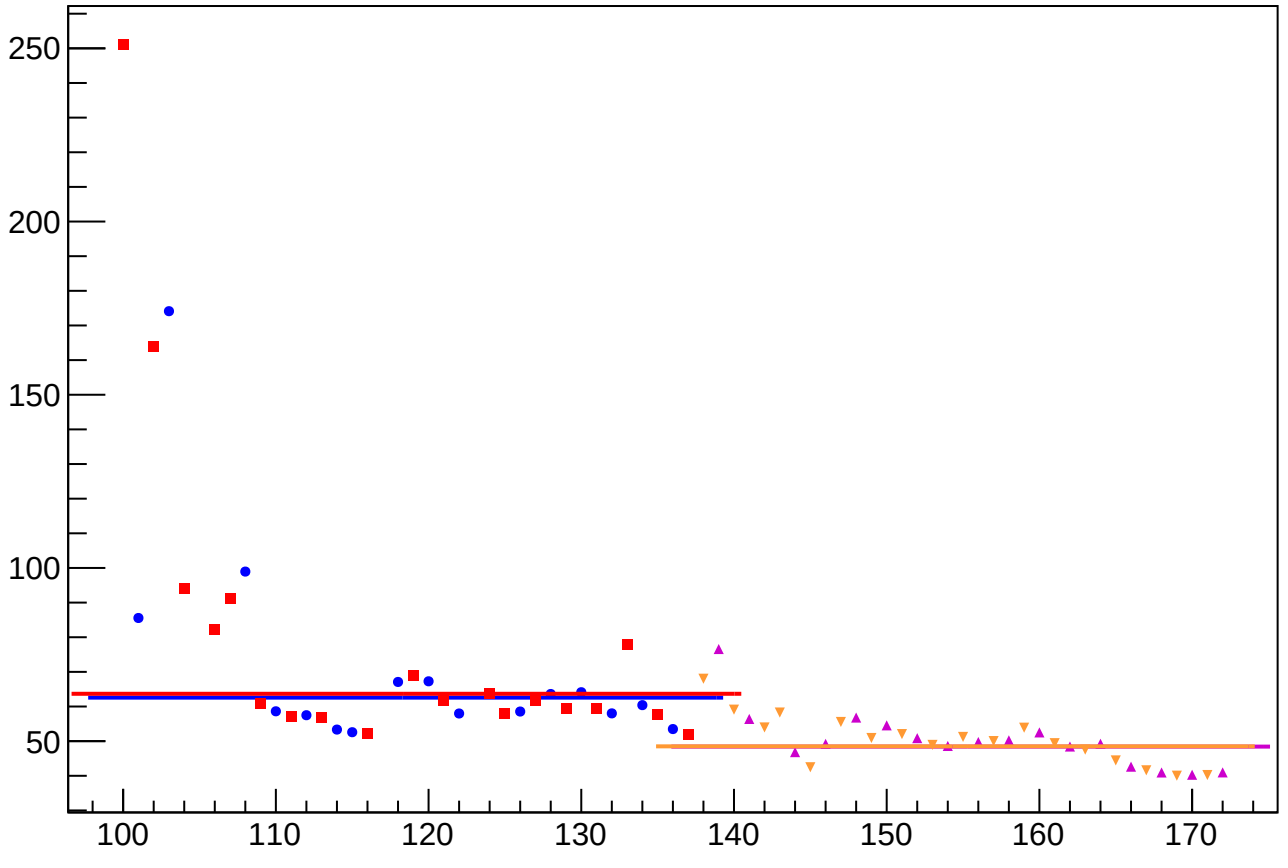
150
160
170
Right In: 42.213+/-24.207 χ²/NDF: 13.6/15
Left Out: -38.317+/-13.026 χ²/NDF:34.9/17
Right Out: 69.068+/-24.420 χ²/NDF: 25.3/18
Left In: -25.531+/-13.101 χ²/NDF:14.3/16
Left: -31.961+/-9.237 χ²/NDF: 49.6/34
Right: 55.523+/-17.192 χ²/NDF: 39.4/34
In: -10.183+/-11.522 χ²/NDF:33.9/32
Out: -14.530+/-11.493 χ²/NDF:75.2/36
All: -12.362+/-8.137 χ²/NDF: 109.2/69



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 48.502+/-0.009 χ^2/NDF:521309.8/17

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 48.428+/-0.009 χ^2/NDF:539256.7/16

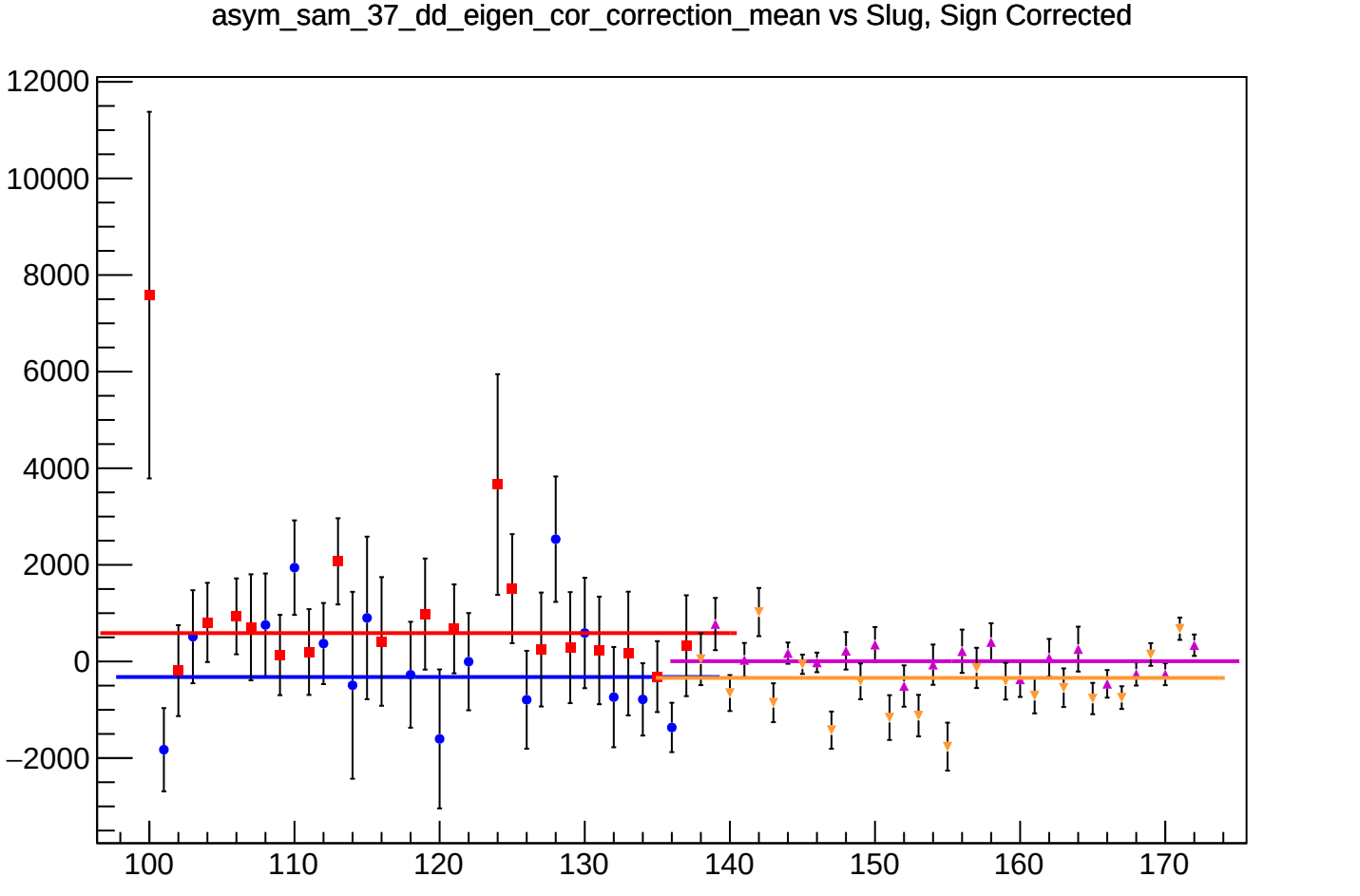
Left: 48.465+/-0.007 χ^2/NDF: 1060598.7/34

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

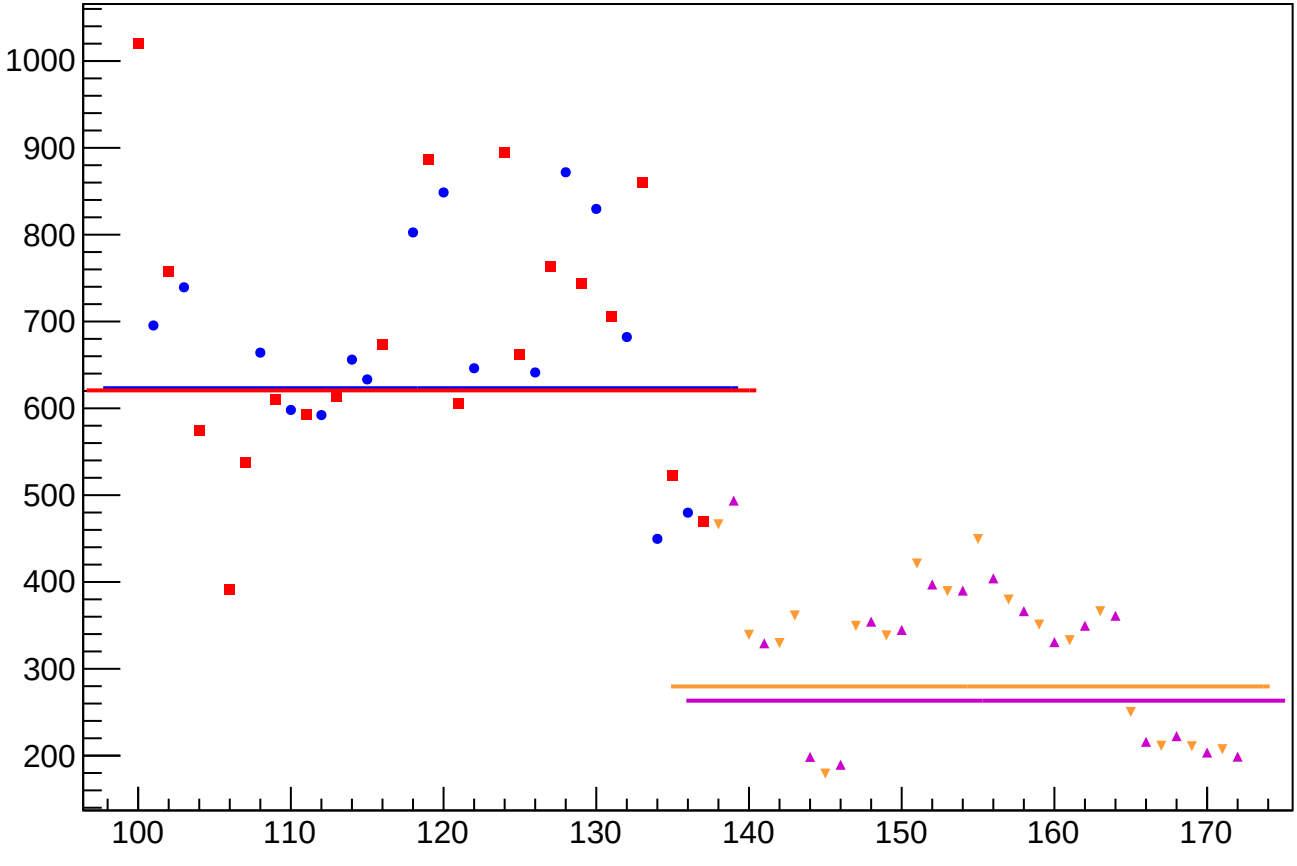
In: 51.631+/-0.008 χ^2/NDF:1825517.0/32

Out: 51.863+/-0.008 χ^2/NDF:1953868.9/36

All: 51.747+/-0.006 χ^2/NDF: 3779792.9/69


asym_sam_37_dd_eigen_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: -340.229+/-77.871 χ²/NDF:65.0/17
Right Out: 587.224+/-234.080 χ²/NDF: 12.2/18
Left In: 5.639+/-74.162 χ²/NDF:15.5/16
Left: -158.864+/-53.704 χ²/NDF: 90.8/34
Right: 141.251+/-167.055 χ²/NDF: 42.3/34
In: -23.222+/-70.817 χ²/NDF:39.9/32
Out: -247.818+/-73.889 χ²/NDF:91.3/36
All: -130.754+/-51.127 χ²/NDF: 136.0/69

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: 279.692+/-0.055 χ^2/NDF:2442076.9/17

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 263.297+/-0.052 χ^2/NDF:2476883.3/16

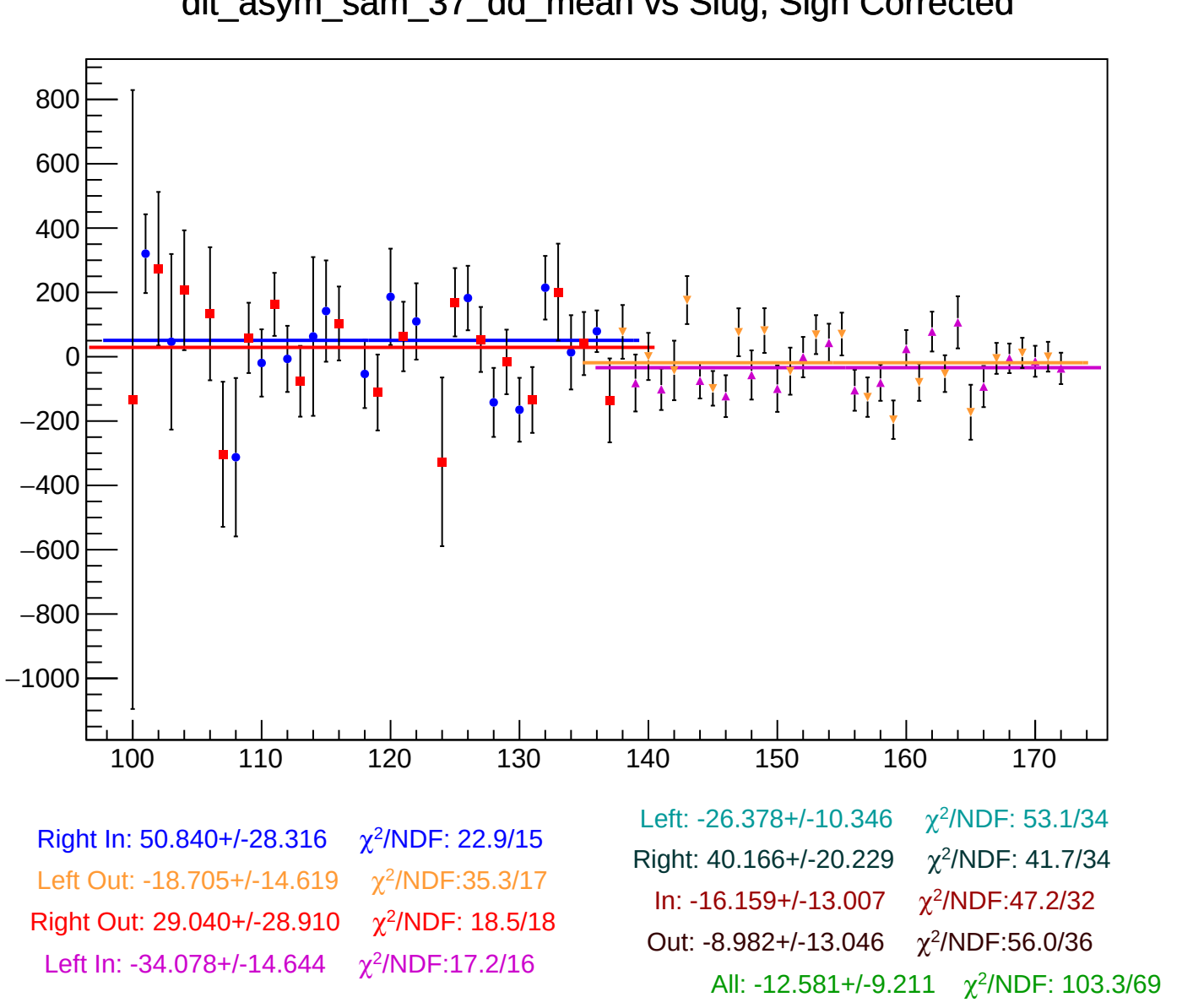
Left: 271.095+/-0.038 χ^2/NDF: 4965450.2/34

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 295.031+/-0.050 χ^2/NDF:7195362.5/32

Out: 313.668+/-0.052 χ^2/NDF:6873597.5/36

All: 303.954+/-0.036 χ^2/NDF: 14135276.6/69


dit_asym_sam_37_dd_mean vs Slug, Sign Corrected
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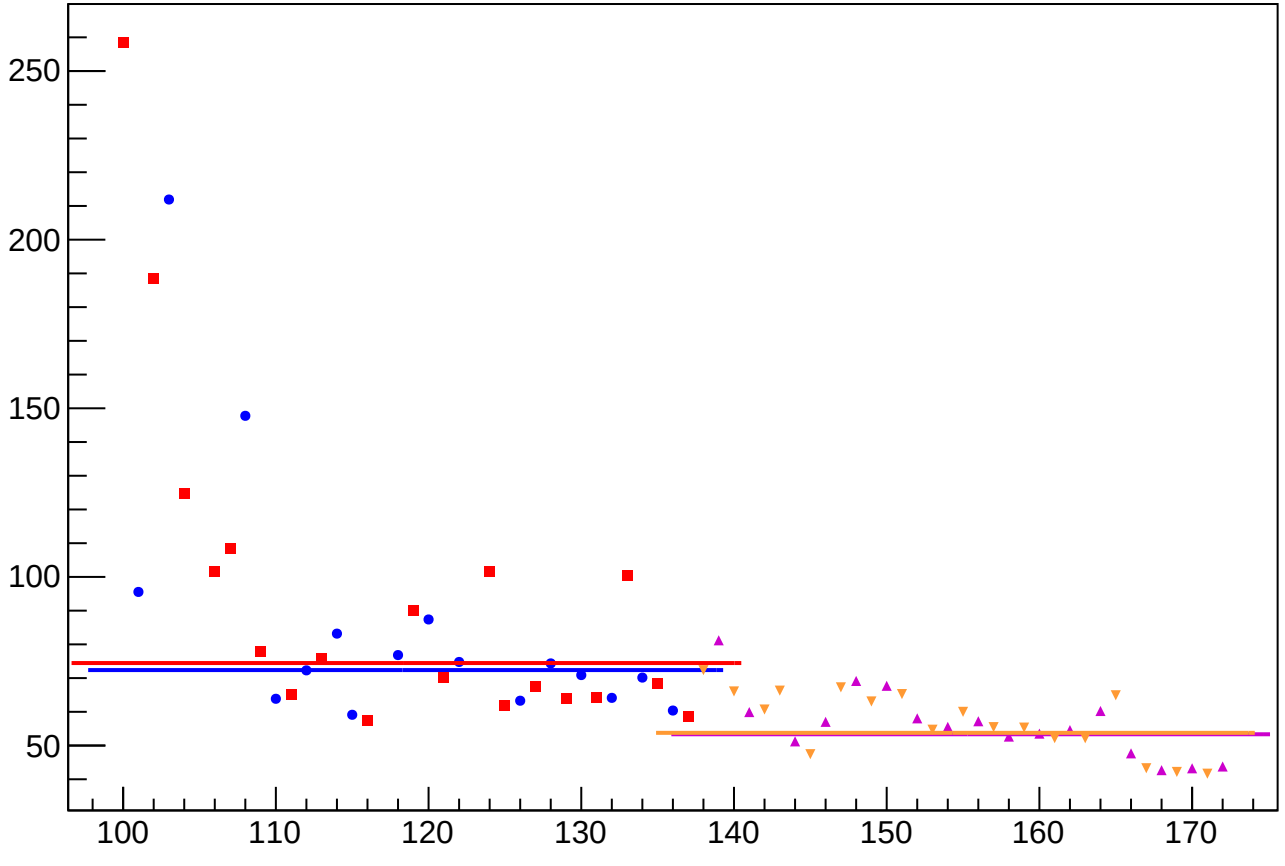
120
130
140
150
160
170
Right In: 50.840+/-28.316 χ²/NDF: 22.9/15
Left Out: -18.705+/-14.619 χ²/NDF:35.3/17
Right Out: 29.040+/-28.910 χ²/NDF: 18.5/18
Left In: -34.078+/-14.644 χ²/NDF:17.2/16
Left: -26.378+/-10.346 χ²/NDF: 53.1/34
Right: 40.166+/-20.229 χ²/NDF: 41.7/34
In: -16.159+/-13.007 χ²/NDF:47.2/32
Out: -8.982+/-13.046 χ²/NDF:56.0/36
All: -12.581+/-9.211 χ²/NDF: 103.3/69

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 53.769+/-0.010 χ^2/NDF:812010.9/17

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 53.343+/-0.010 χ^2/NDF:717357.2/16

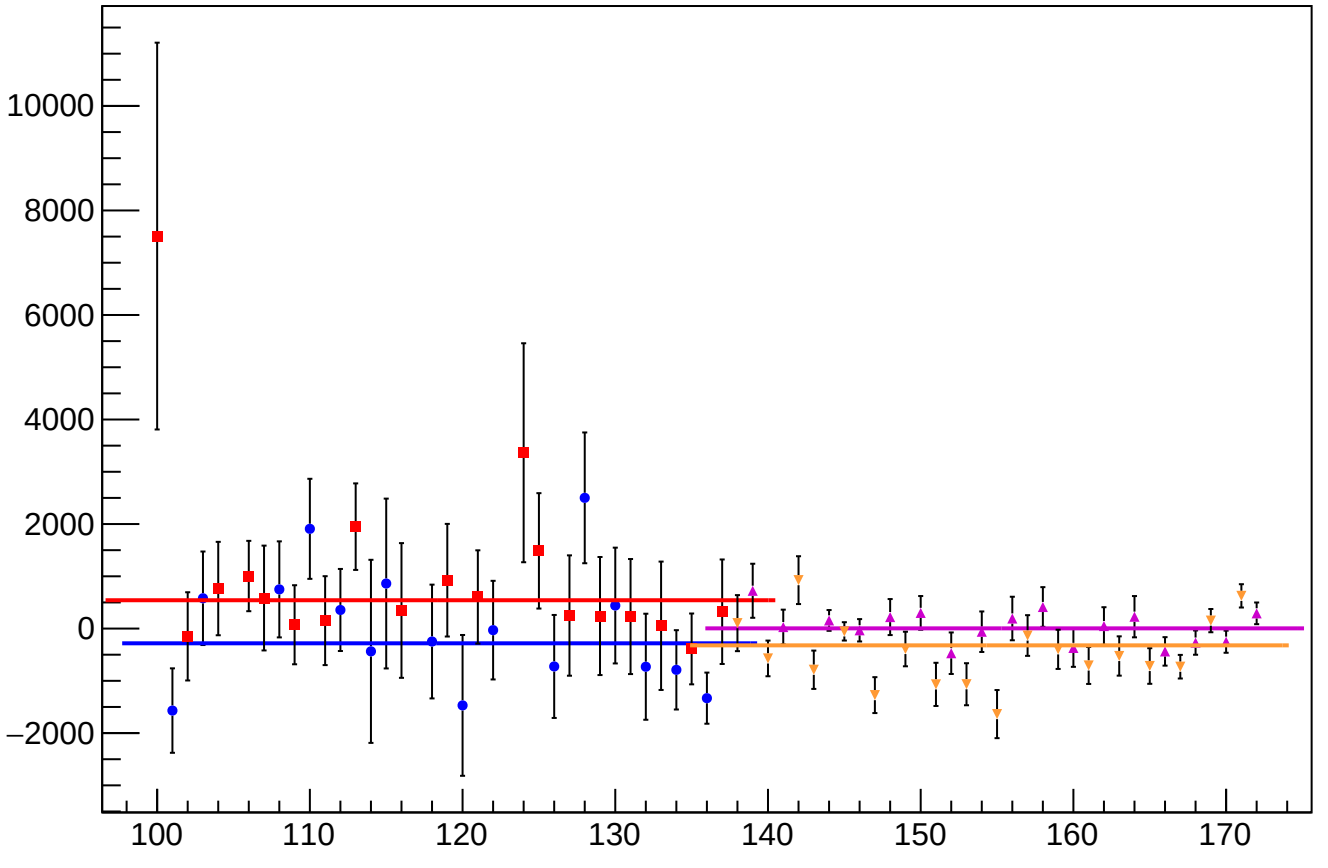
Left: 53.556+/-0.007 χ^2/NDF: 1530216.6/34

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 57.359+/-0.009 χ^2/NDF:2368608.2/32

Out: 57.983+/-0.009 χ^2/NDF:2680452.5/36

All: 57.670+/-0.007 χ^2/NDF: 5051352.2/69



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -321.168+/-72.845 χ^2/NDF:64.1/17

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 3.996+/-70.177 χ^2/NDF:15.4/16

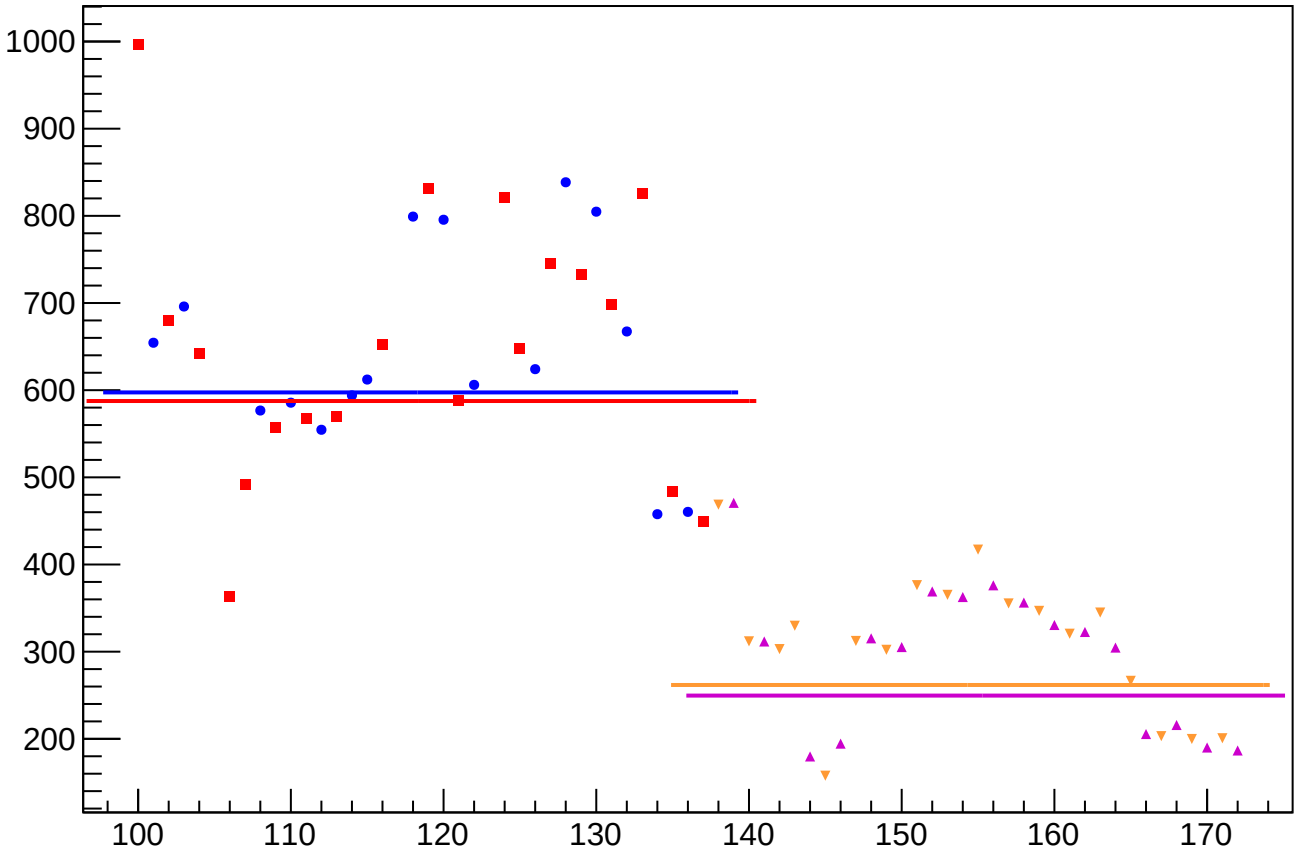
Left: -152.523+/-50.539 χ^2/NDF: 89.8/34

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: -20.799+/-67.066 χ^2/NDF:39.6/32

Out: -236.511+/-69.180 χ^2/NDF:91.1/36

All: -125.309+/-48.153 χ^2/NDF: 135.7/69



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 261.787+/-0.052 χ^2/NDF:2528256.7/17

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 249.616+/-0.050 χ^2/NDF:2299800.5/16

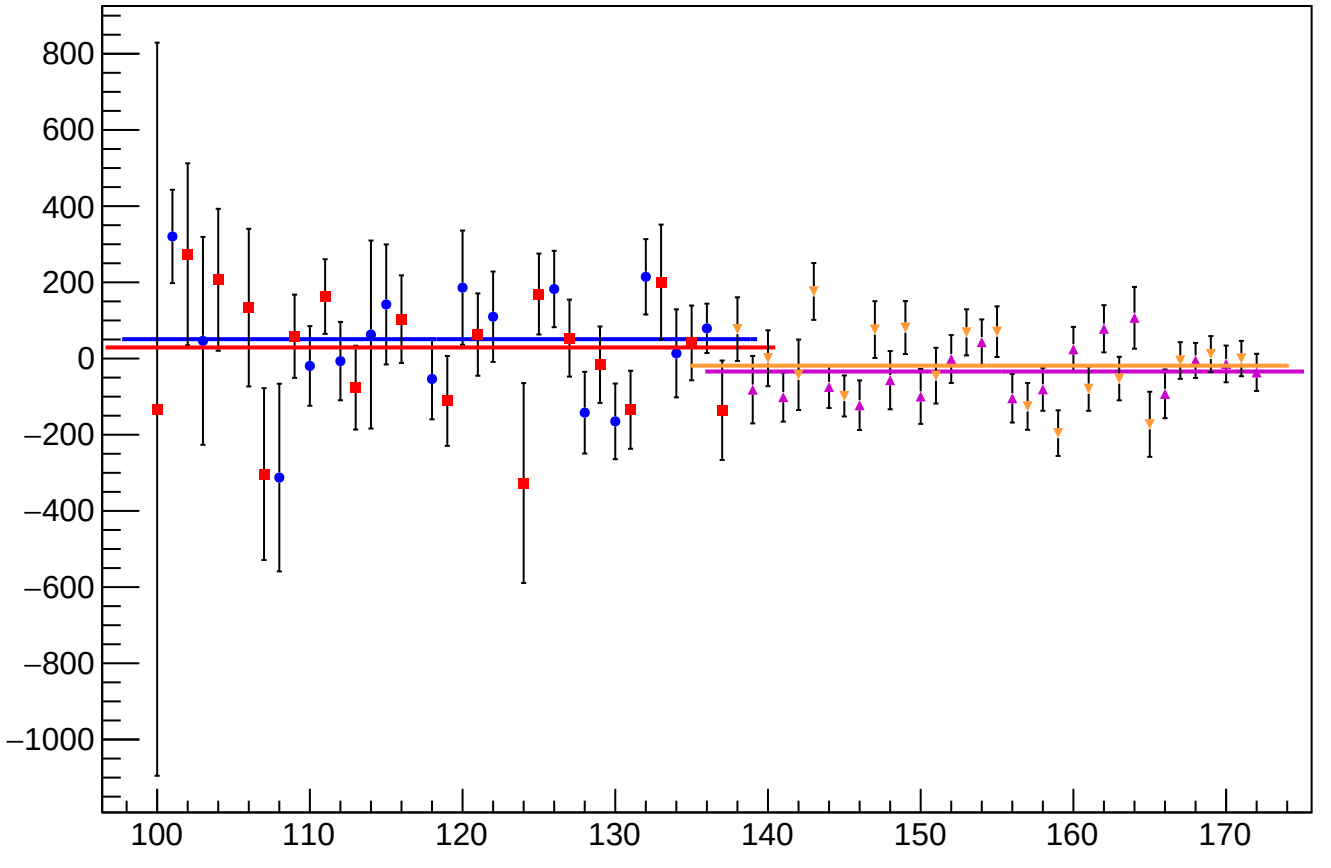
Left: 255.475+/-0.036 χ^2/NDF: 4857015.8/34

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 279.767+/-0.047 χ^2/NDF:7092505.4/32

Out: 293.738+/-0.049 χ^2/NDF:7140454.0/36

All: 286.536+/-0.034 χ^2/NDF: 14275008.1/69



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -18.704+/-14.619 χ^2/NDF:35.3/17

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -34.079+/-14.644 χ^2/NDF:17.2/16

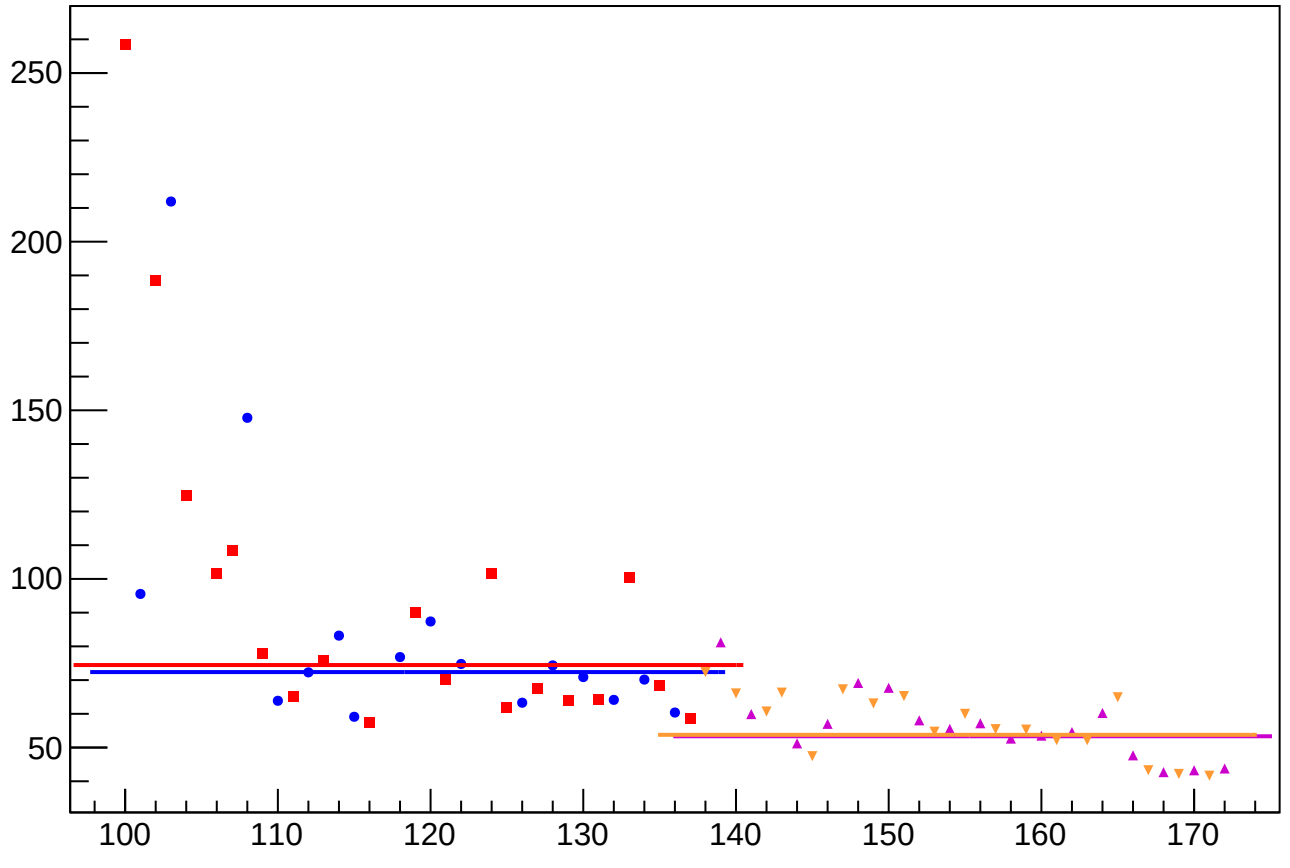
Left: -26.378+/-10.346 χ^2/NDF: 53.1/34

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -16.159+/-13.007 χ^2/NDF:47.2/32

Out: -8.982+/-13.046 χ^2/NDF:56.0/36

All: -12.581+/-9.211 χ^2/NDF: 103.3/69



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 53.769+/-0.010 χ^2/NDF:812035.9/17

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 53.343+/-0.010 χ^2/NDF:717365.8/16

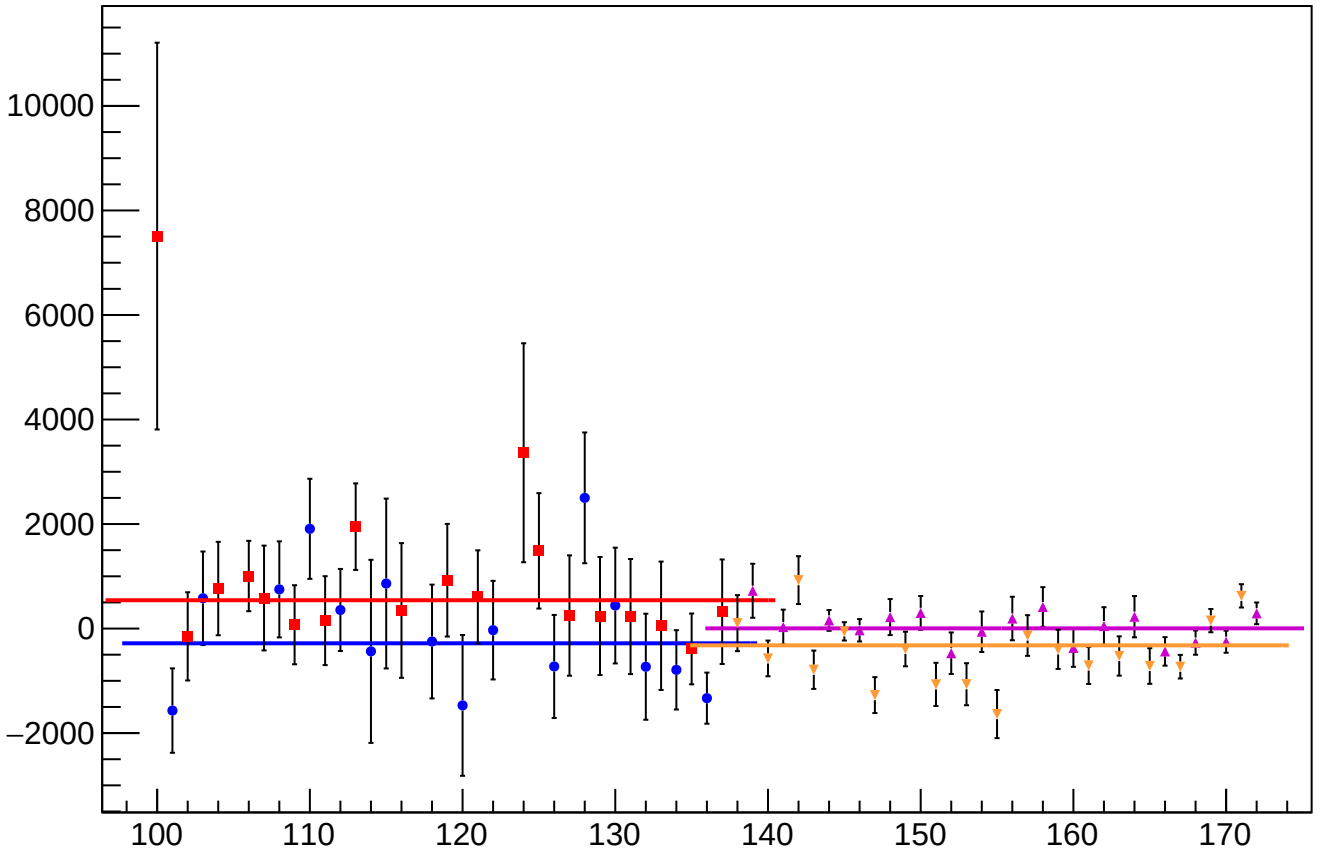
Left: 53.556+/-0.007 χ^2/NDF: 1530250.1/34

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 57.360+/-0.009 χ^2/NDF:2368604.6/32

Out: 57.983+/-0.009 χ^2/NDF:2680458.7/36

All: 57.670+/-0.007 χ^2/NDF: 5051354.9/69



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -321.169+/-72.845 χ^2/NDF:64.1/17

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: -152.524+/-50.539 χ^2/NDF: 89.8/34

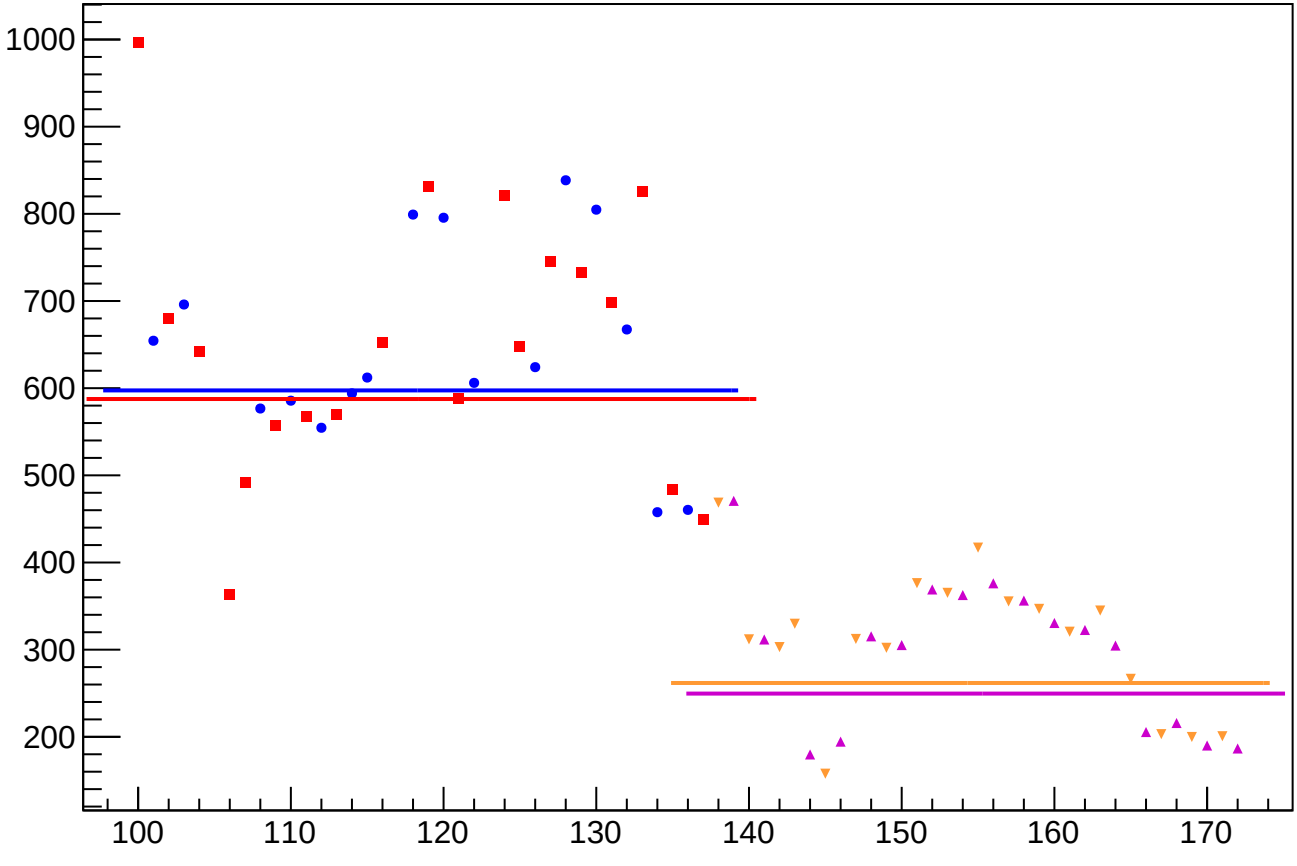
Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: -20.799+/-67.066 χ^2/NDF:39.6/32

Out: -236.511+/-69.180 χ^2/NDF:91.1/36

All: -125.309+/-48.153 χ^2/NDF: 135.7/69

asym_sam_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 261.787+/-0.052 χ^2/NDF:2528242.1/17

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: 255.474+/-0.036 χ^2/NDF: 4856995.3/34

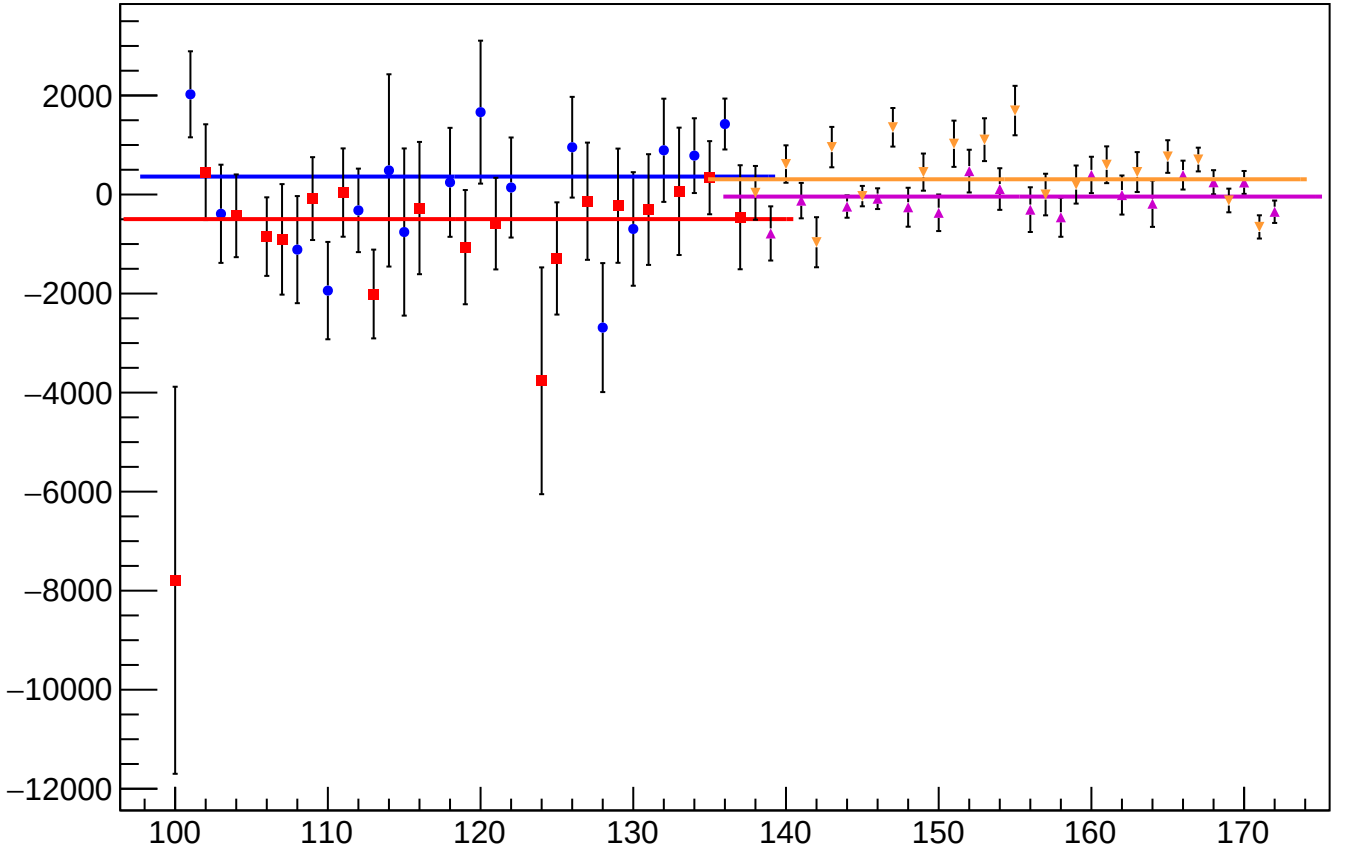
Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 279.767+/-0.047 χ^2/NDF:7092507.2/32

Out: 293.738+/-0.049 χ^2/NDF:7140435.8/36

All: 286.535+/-0.034 χ^2/NDF: 14274993.0/69

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 362.384+/-240.303 χ^2/NDF: 25.1/15

Left Out: 307.795+/-79.149 χ^2/NDF:59.5/17

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: 124.891+/-54.662 χ^2/NDF: 85.0/34

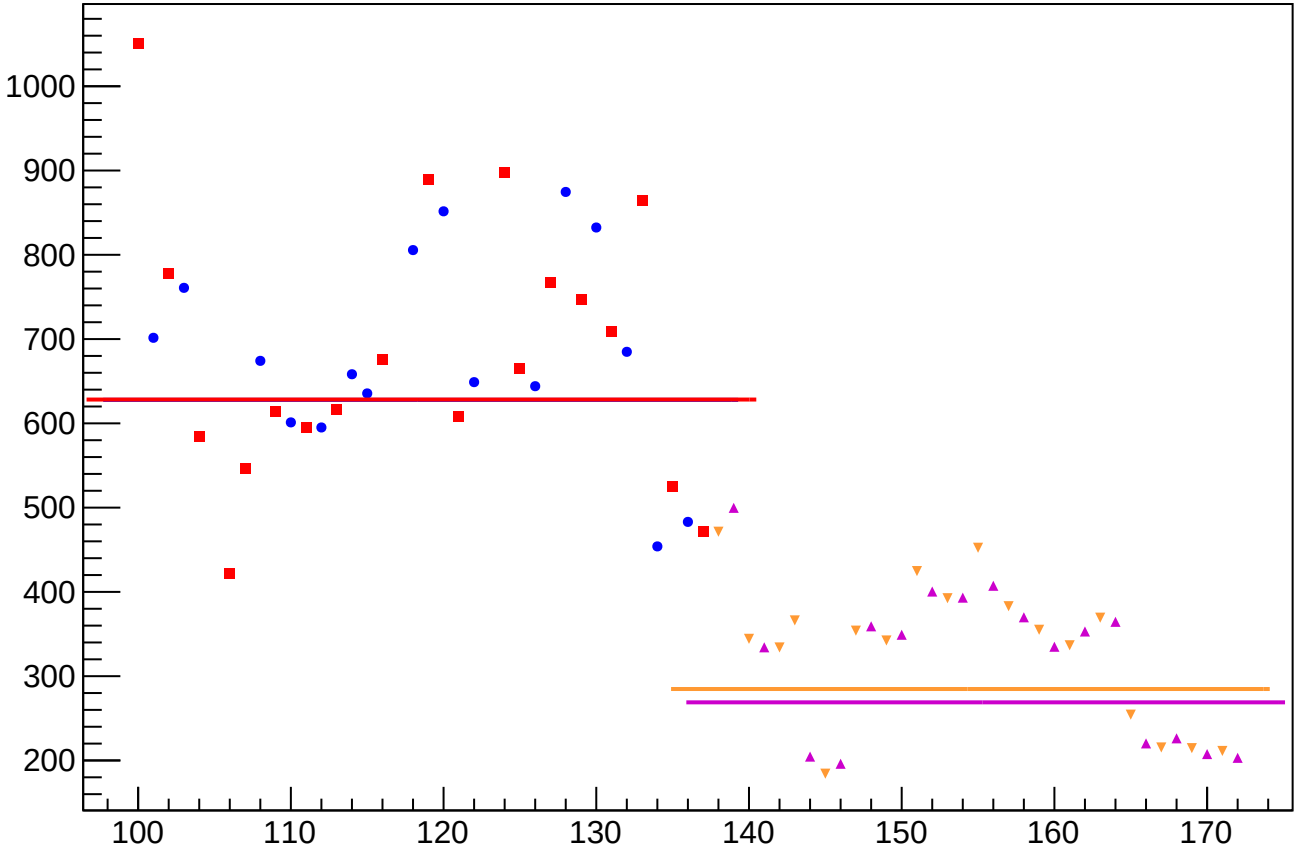
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: -5.503+/-72.100 χ^2/NDF:43.0/32

Out: 226.479+/-75.043 χ^2/NDF:82.6/36

All: 105.851+/-51.992 χ^2/NDF: 130.6/69

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 284.773+/-0.056 χ^2/NDF:2356129.1/17

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 268.953+/-0.053 χ^2/NDF:2372363.3/16

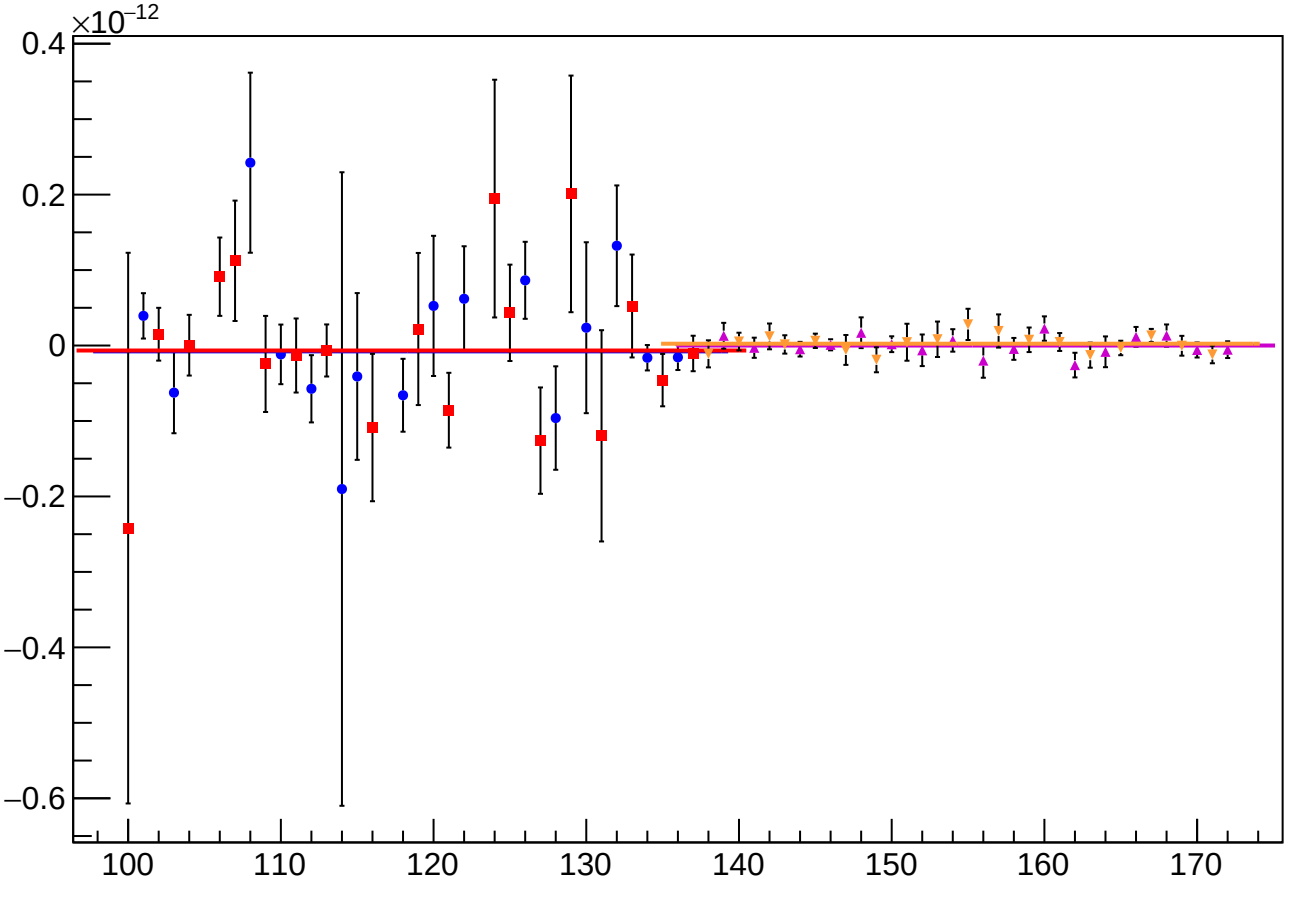
Left: 276.499+/-0.039 χ^2/NDF: 4770283.7/34

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 301.266+/-0.051 χ^2/NDF:6999777.4/32

Out: 319.494+/-0.053 χ^2/NDF:6734373.5/36

All: 310.015+/-0.037 χ^2/NDF: 13795506.7/69



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.6/17

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.6/16

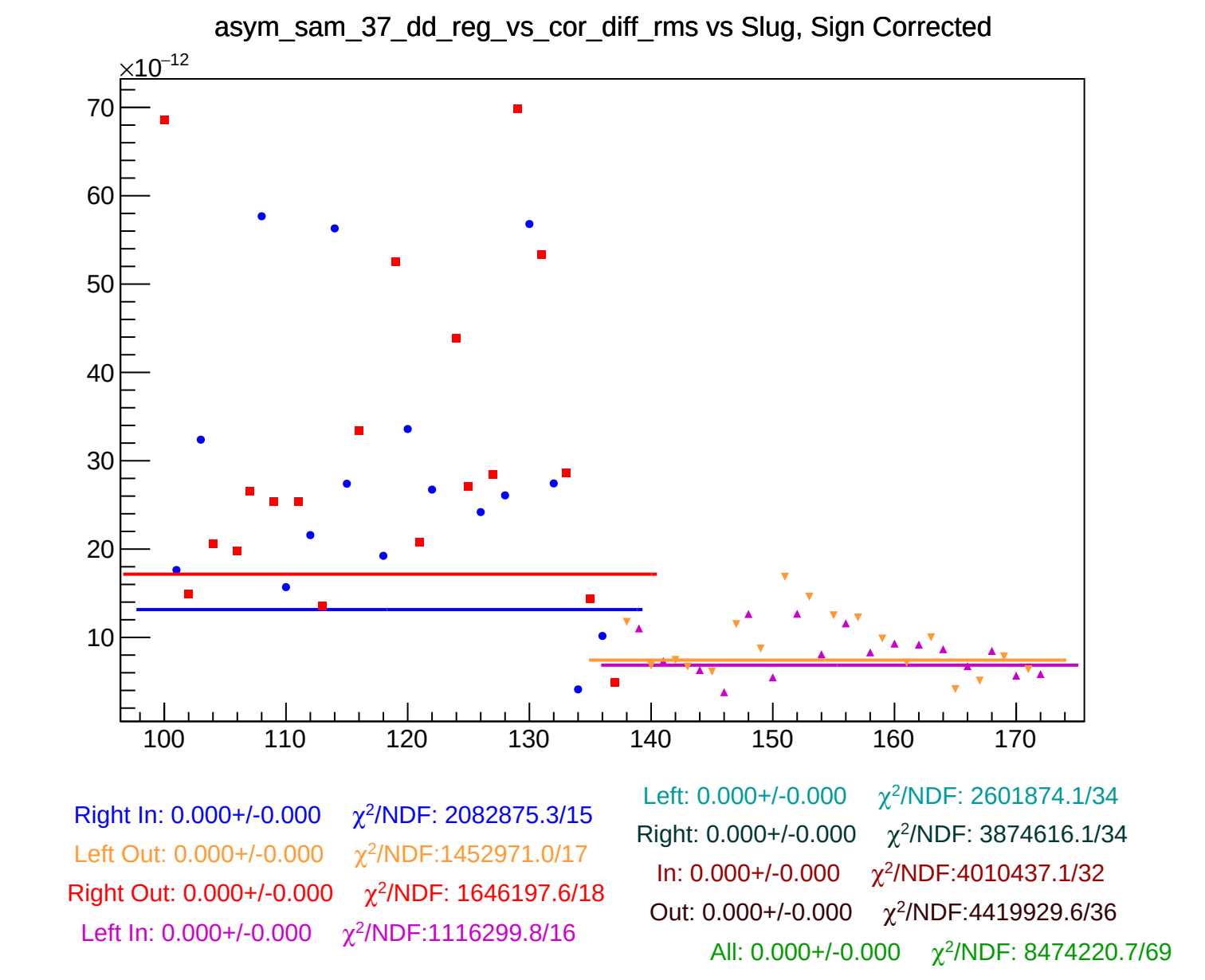
Left: 0.000+/-0.000 χ^2/NDF: 19.4/34

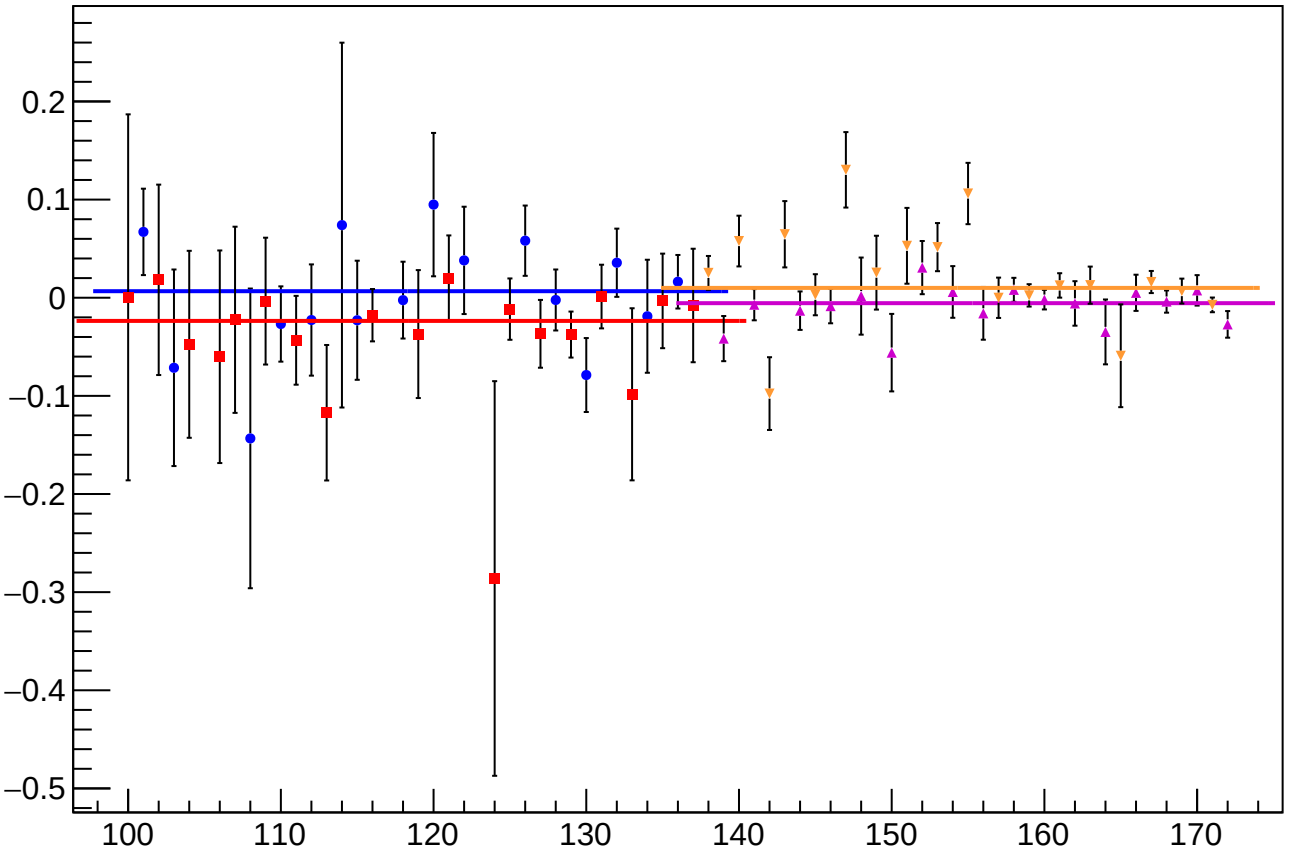
Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:31.1/32

Out: 0.000+/-0.000 χ^2/NDF:30.1/36

All: 0.000+/-0.000 χ^2/NDF: 61.6/69


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:1452971.0/17
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: 2601874.1/34
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:4419929.6/36
All: 0.000+/-0.000 χ²/NDF: 8474220.7/69



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.004 χ^2/NDF:47.1/17

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: 0.003+/-0.003 χ^2/NDF: 66.6/34

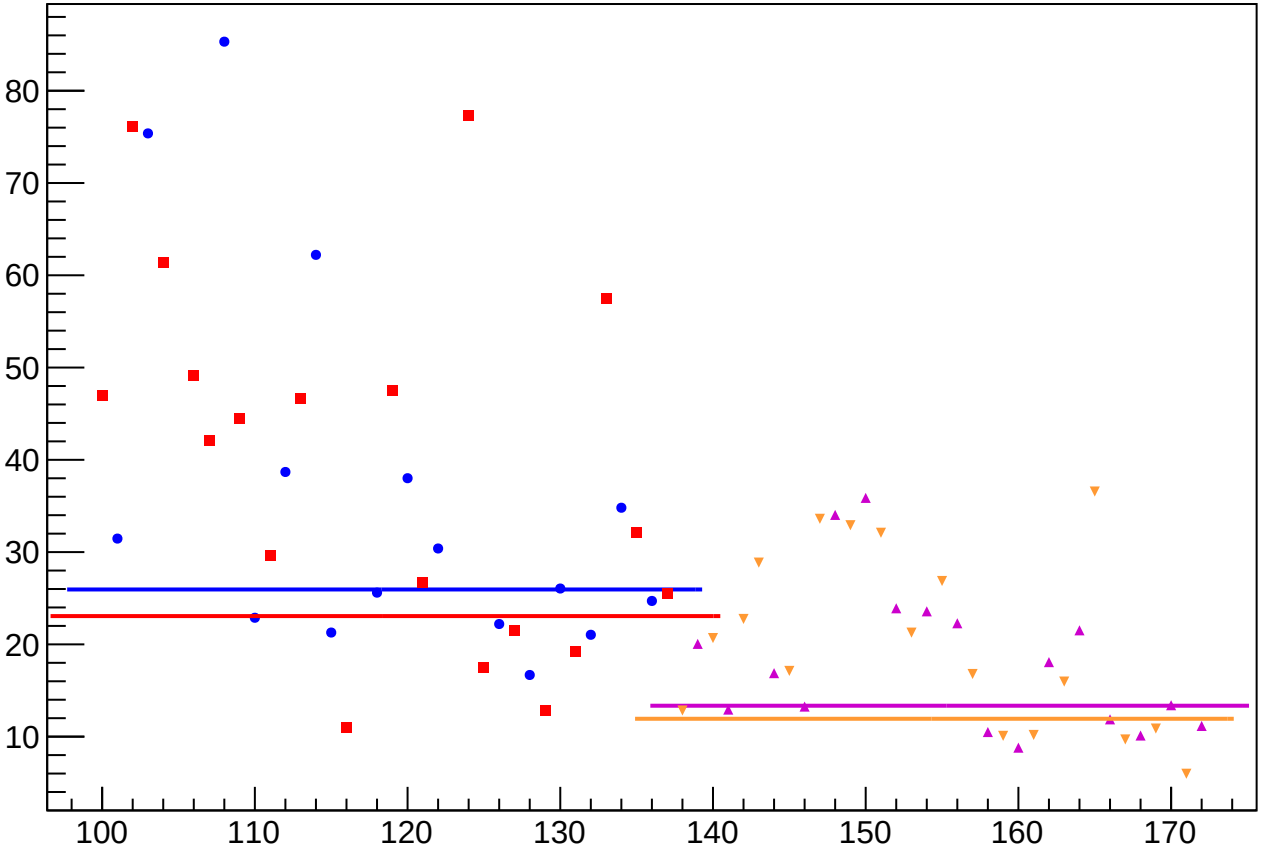
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.004+/-0.004 χ^2/NDF:28.3/32

Out: 0.006+/-0.004 χ^2/NDF:63.6/36

All: 0.001+/-0.003 χ^2/NDF: 95.3/69

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: 11.937+/-0.003 χ^2/NDF:5676864.7/17

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.351+/-0.003 χ^2/NDF:3229122.7/16

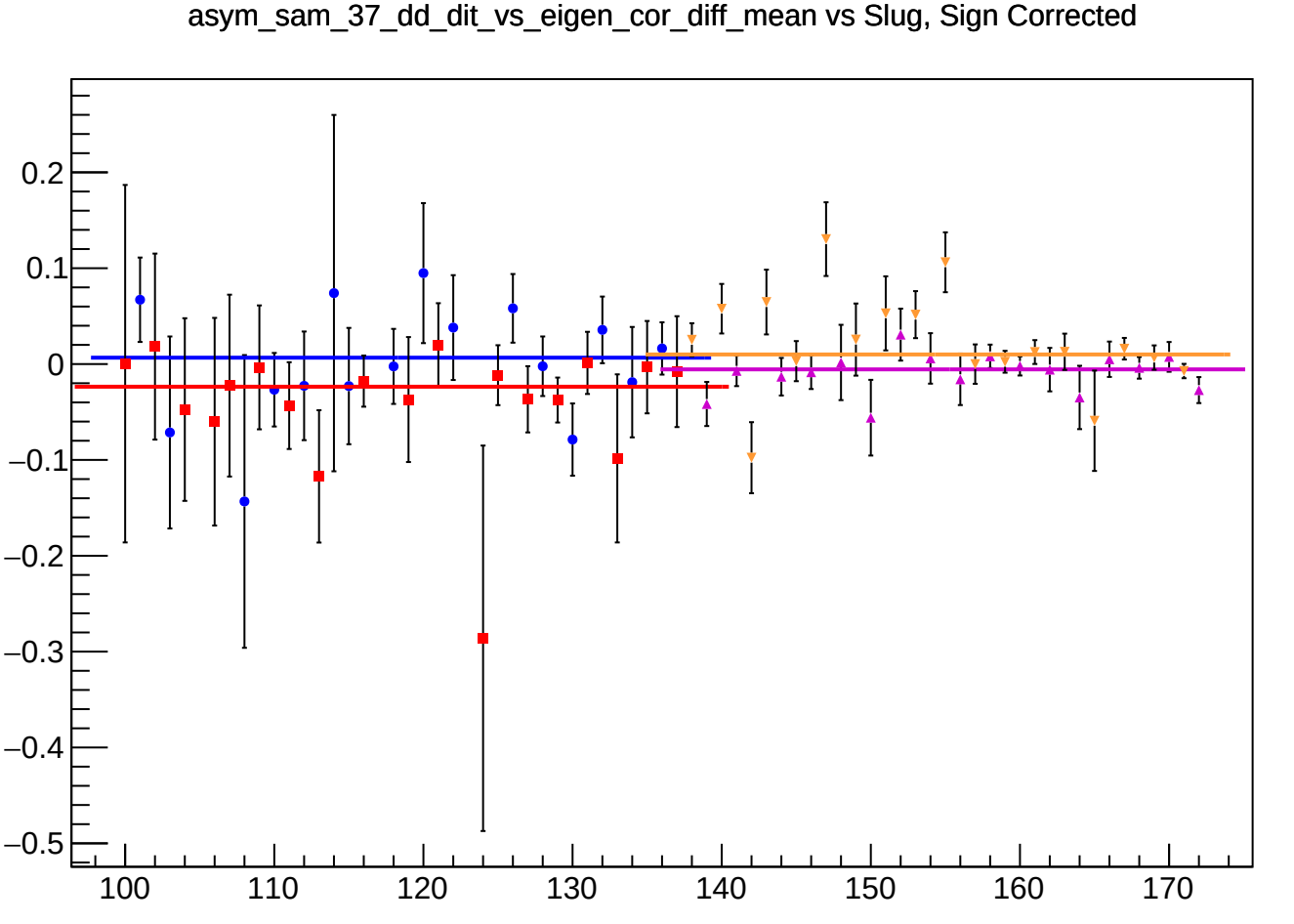
Left: 12.598+/-0.002 χ^2/NDF: 9027592.7/34

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 14.918+/-0.003 χ^2/NDF:6866787.0/32

Out: 13.298+/-0.003 χ^2/NDF:11008862.5/36

All: 14.056+/-0.002 χ^2/NDF: 18057939.7/69



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.004 χ^2/NDF:47.1/17

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: 0.003+/-0.003 χ^2/NDF: 66.6/34

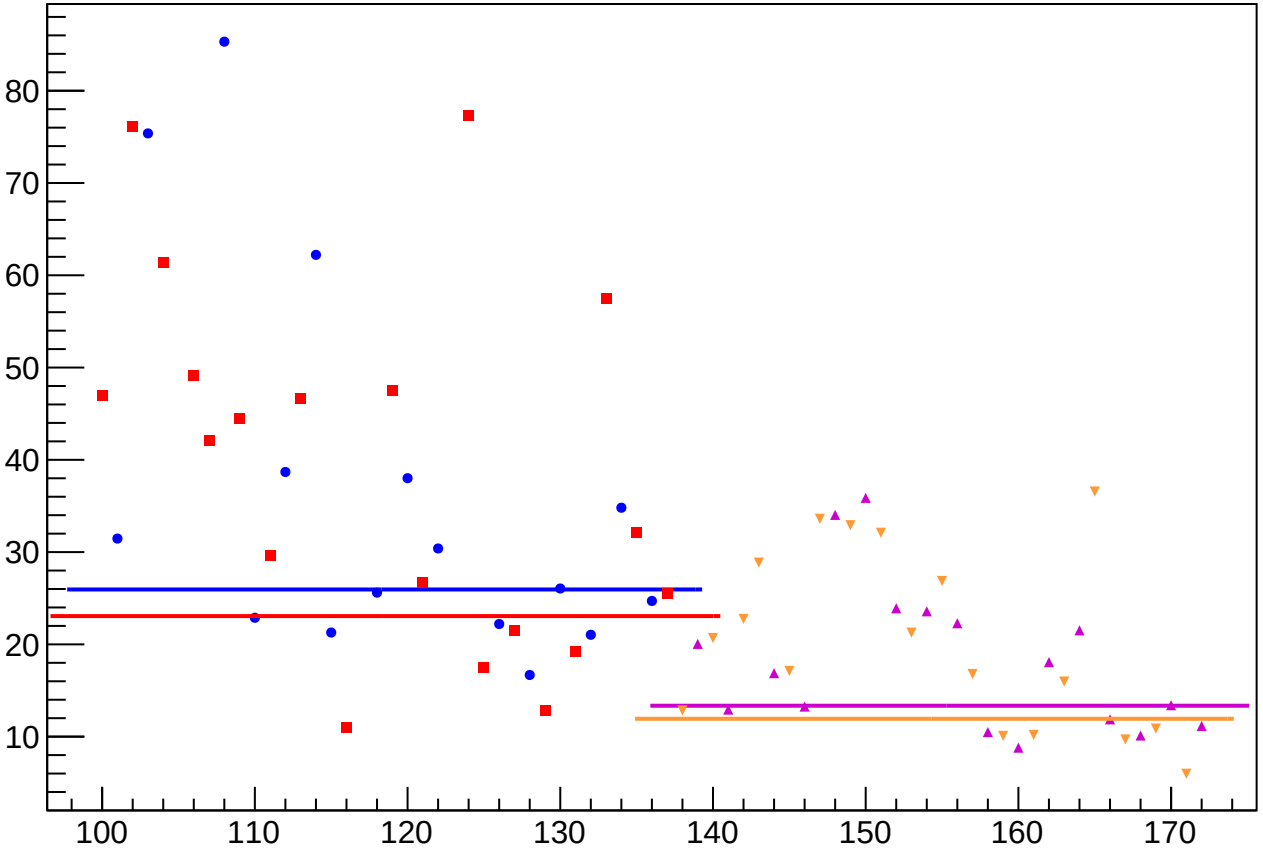
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.004+/-0.004 χ^2/NDF:28.3/32

Out: 0.006+/-0.004 χ^2/NDF:63.6/36

All: 0.001+/-0.003 χ^2/NDF: 95.3/69

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: 11.937+/-0.003 χ^2/NDF:5676864.7/17

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.351+/-0.003 χ^2/NDF:3229122.7/16

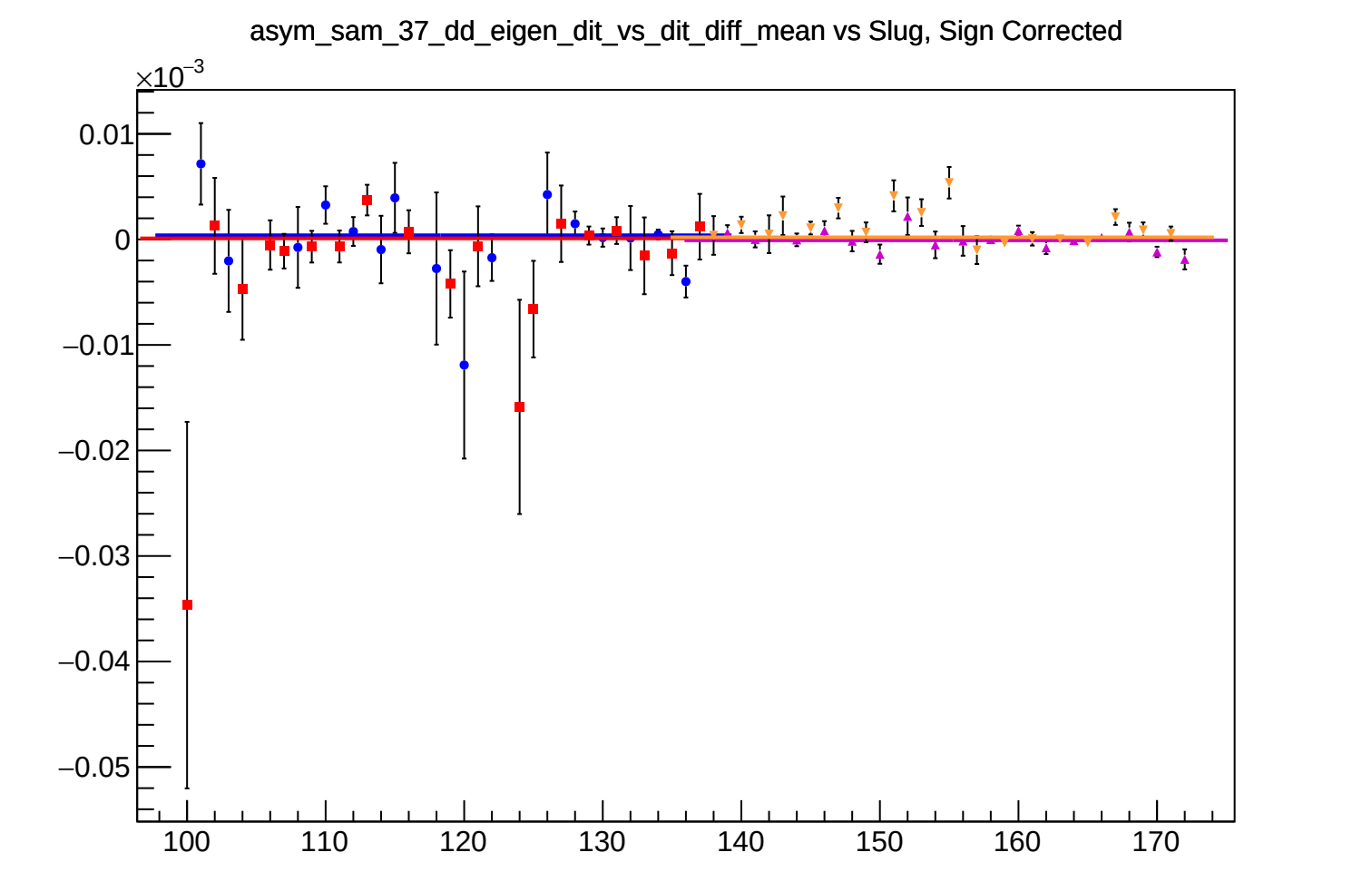
Left: 12.598+/-0.002 χ^2/NDF: 9027592.7/34

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 14.918+/-0.003 χ^2/NDF:6866787.0/32

Out: 13.298+/-0.003 χ^2/NDF:11008862.5/36

All: 14.056+/-0.002 χ^2/NDF: 18057939.7/69



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:53.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: -0.000+/-0.000 χ^2/NDF:21.1/16

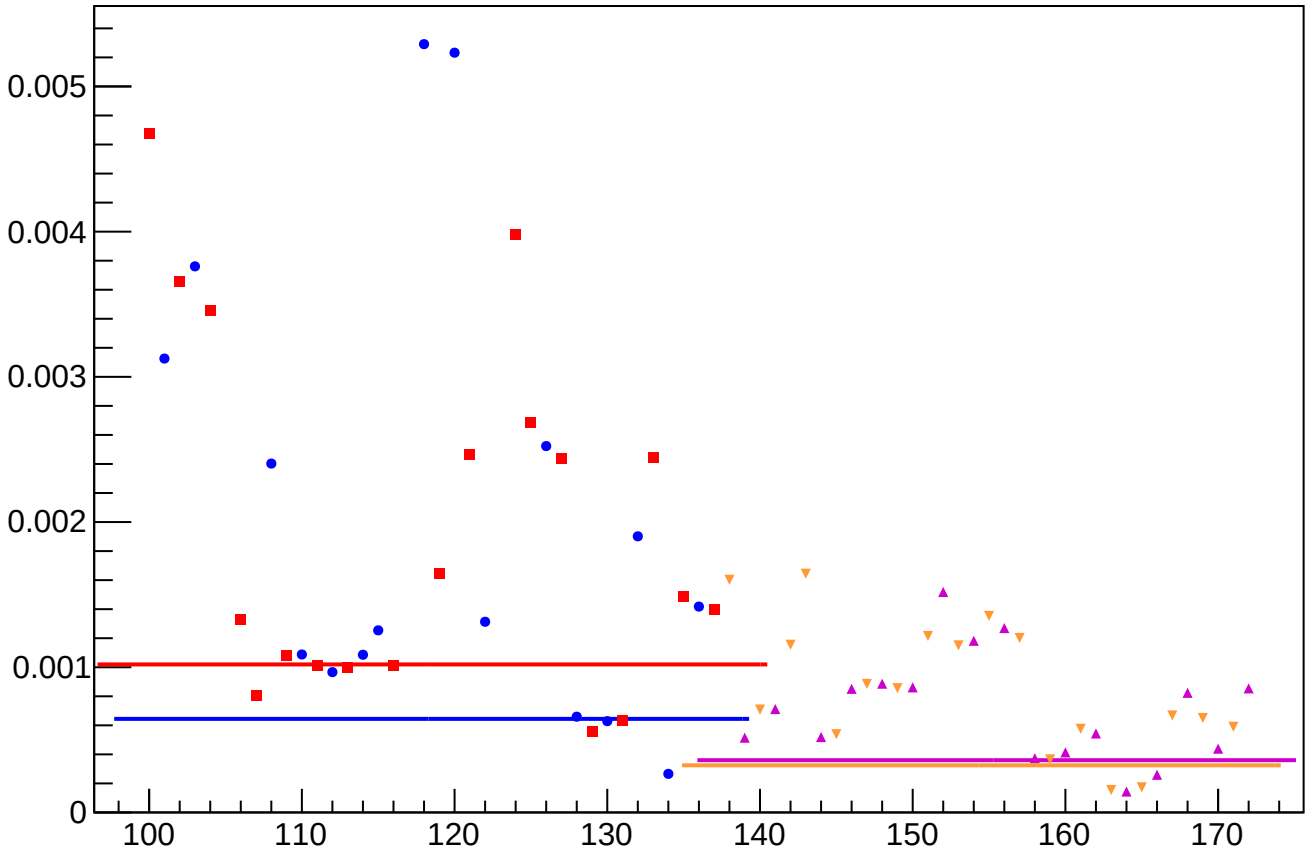
Left: 0.000+/-0.000 χ^2/NDF: 77.2/34

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:73.7/36

All: 0.000+/-0.000 χ^2/NDF: 119.4/69



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11995683.5/17

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9135980.9/16

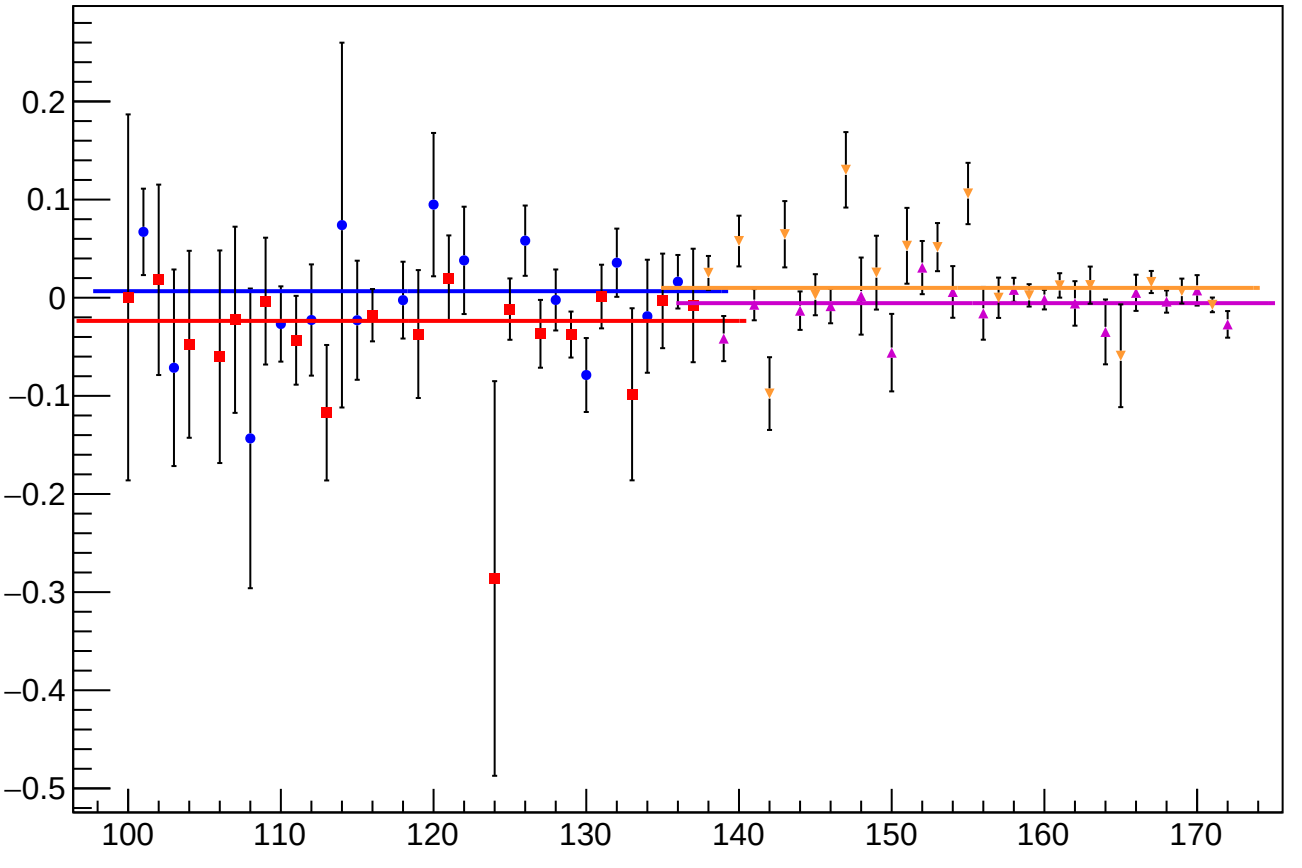
Left: 0.000+/-0.000 χ^2/NDF: 21218132.2/34

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:20124180.8/36

All: 0.000+/-0.000 χ^2/NDF: 37120192.9/69



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.004 χ^2/NDF:47.1/17

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: 0.003+/-0.003 χ^2/NDF: 66.6/34

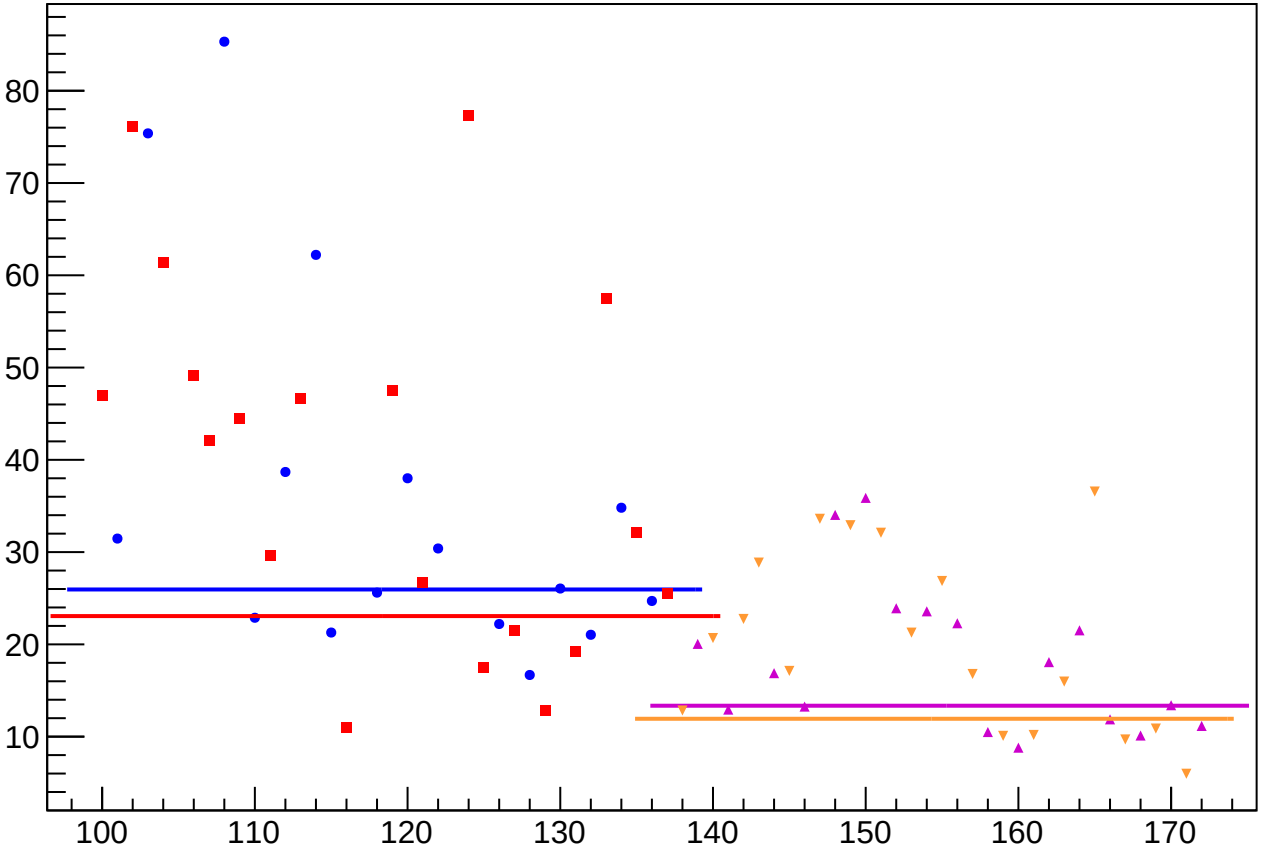
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.004+/-0.004 χ^2/NDF:28.3/32

Out: 0.006+/-0.004 χ^2/NDF:63.6/36

All: 0.001+/-0.003 χ^2/NDF: 95.3/69

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: 11.937+/-0.003 χ^2/NDF:5677070.1/17

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: 12.598+/-0.002 χ^2/NDF: 9027925.5/34

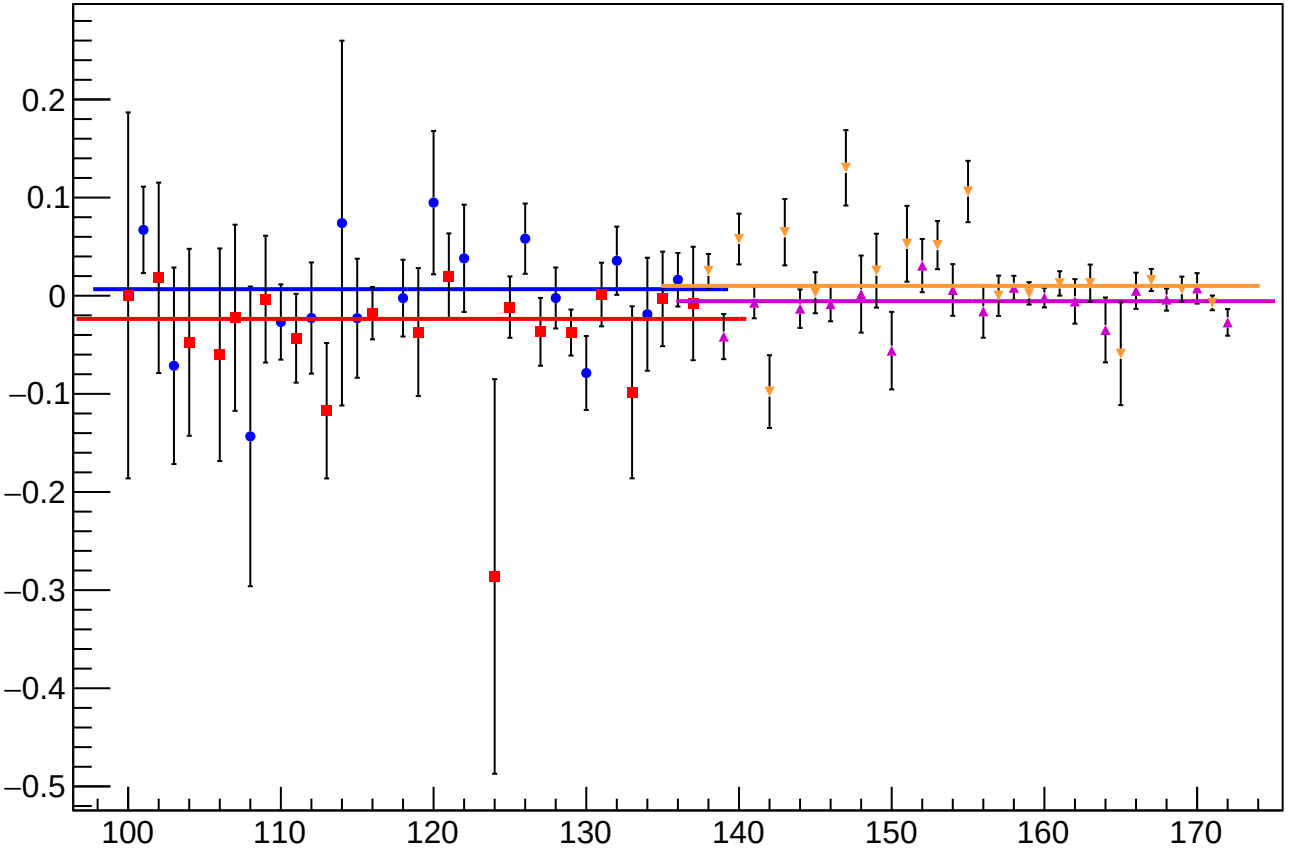
Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 14.918+/-0.003 χ^2/NDF:6866913.1/32

Out: 13.298+/-0.003 χ^2/NDF:11008984.7/36

All: 14.056+/-0.002 χ^2/NDF: 18058184.6/69

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.010+/-0.004 χ^2/NDF:47.1/17

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: 0.003+/-0.003 χ^2/NDF: 66.6/34

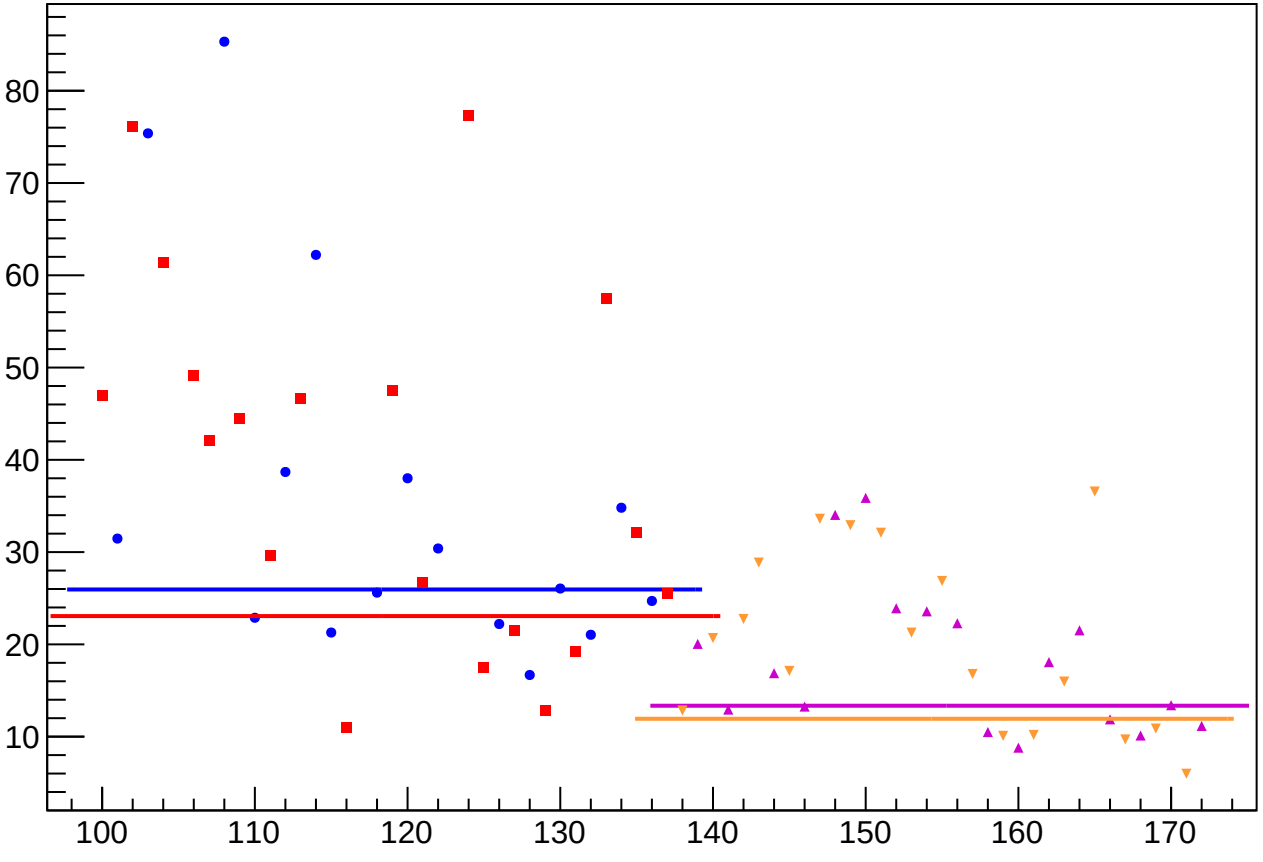
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.004+/-0.004 χ^2/NDF:28.3/32

Out: 0.006+/-0.004 χ^2/NDF:63.6/36

All: 0.001+/-0.003 χ^2/NDF: 95.3/69

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: 11.937+/-0.003 χ^2/NDF:5677070.1/17

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.351+/-0.003 χ^2/NDF:3229251.5/16

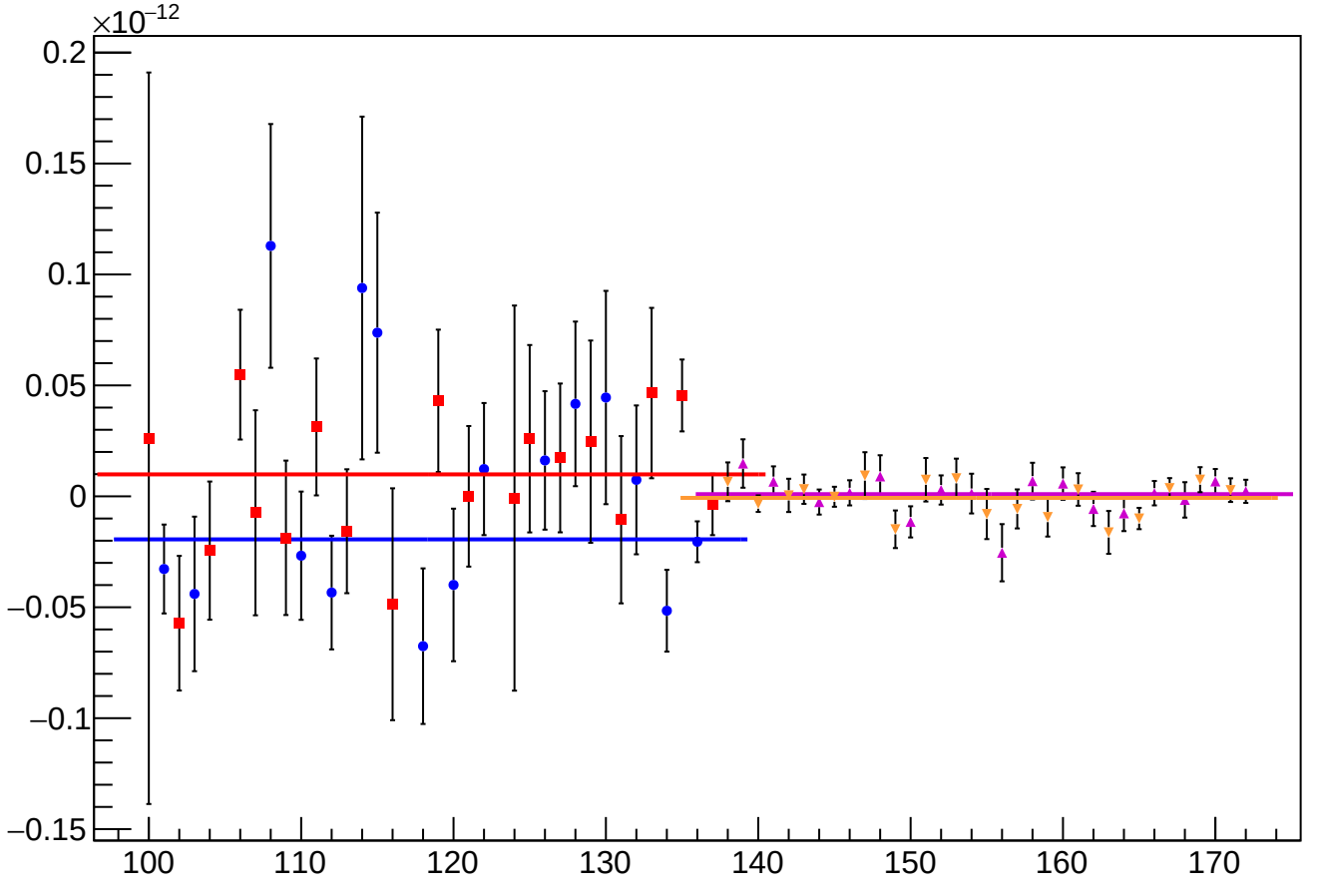
Left: 12.598+/-0.002 χ^2/NDF: 9027925.5/34

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 14.918+/-0.003 χ^2/NDF:6866913.1/32

Out: 13.298+/-0.003 χ^2/NDF:11008984.7/36

All: 14.056+/-0.002 χ^2/NDF: 18058184.6/69



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:14.9/16

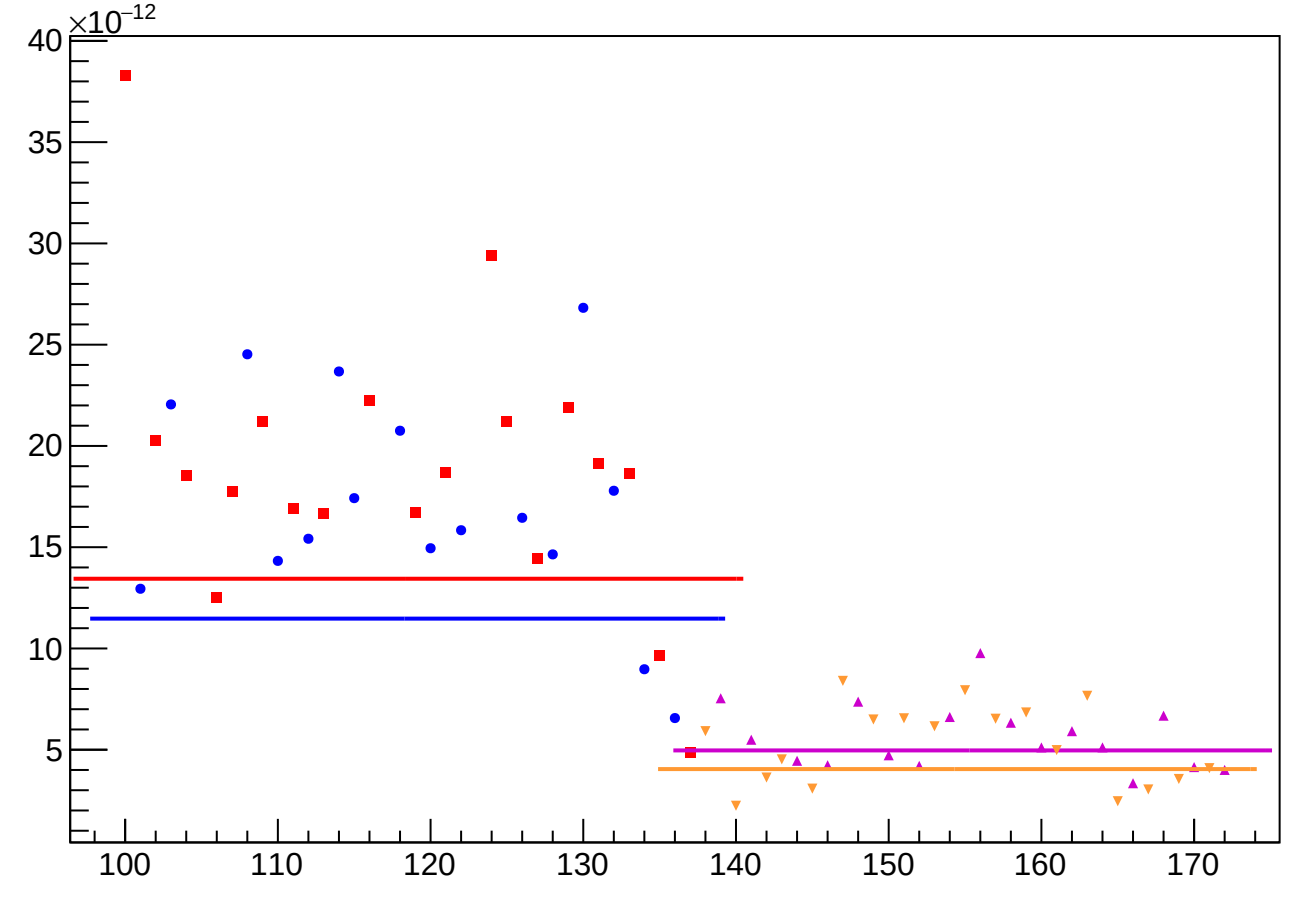
Left: 0.000+/-0.000 χ^2/NDF: 34.2/34

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:41.4/36

All: -0.000+/-0.000 χ^2/NDF: 92.6/69



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2670010.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1140629.2/16

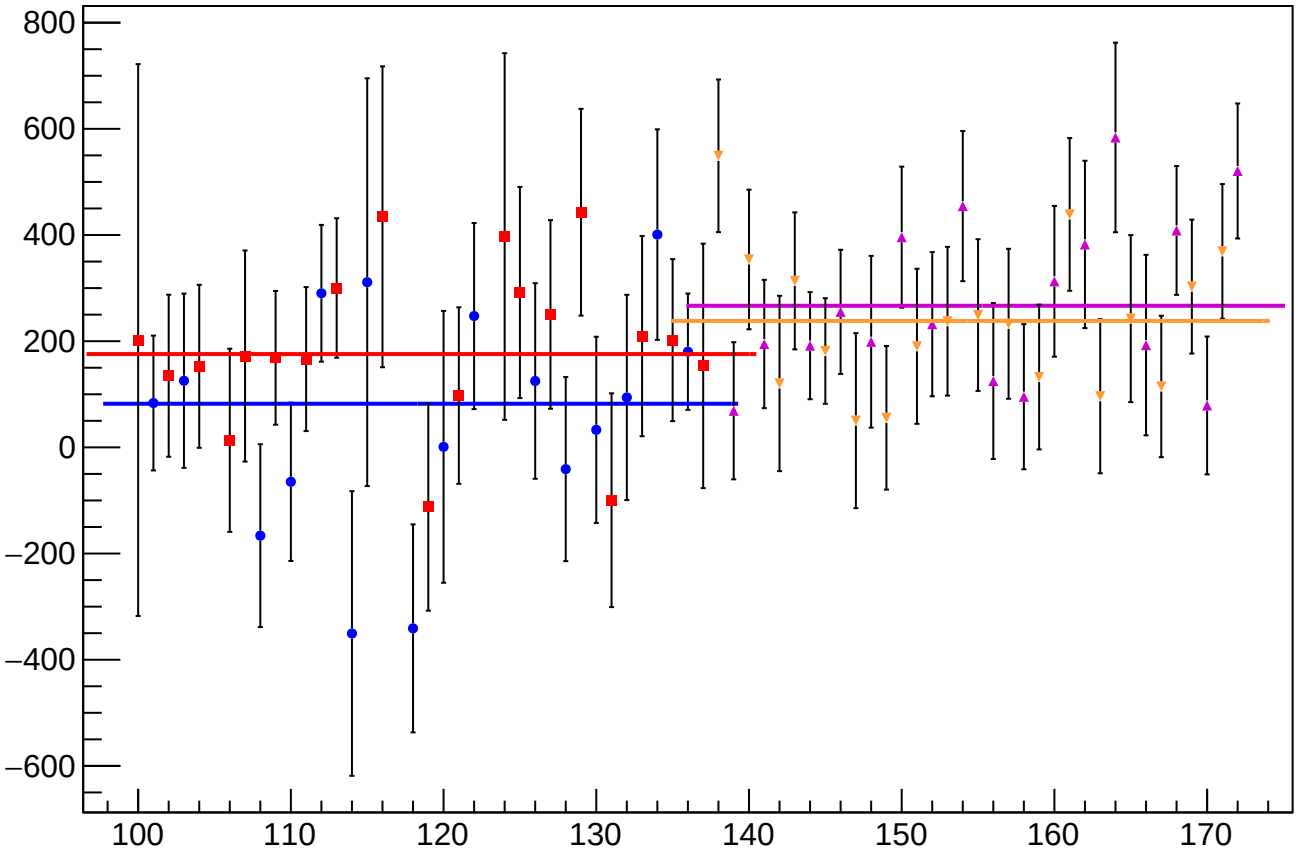
Left: 0.000+/-0.000 χ^2/NDF: 4142046.5/34

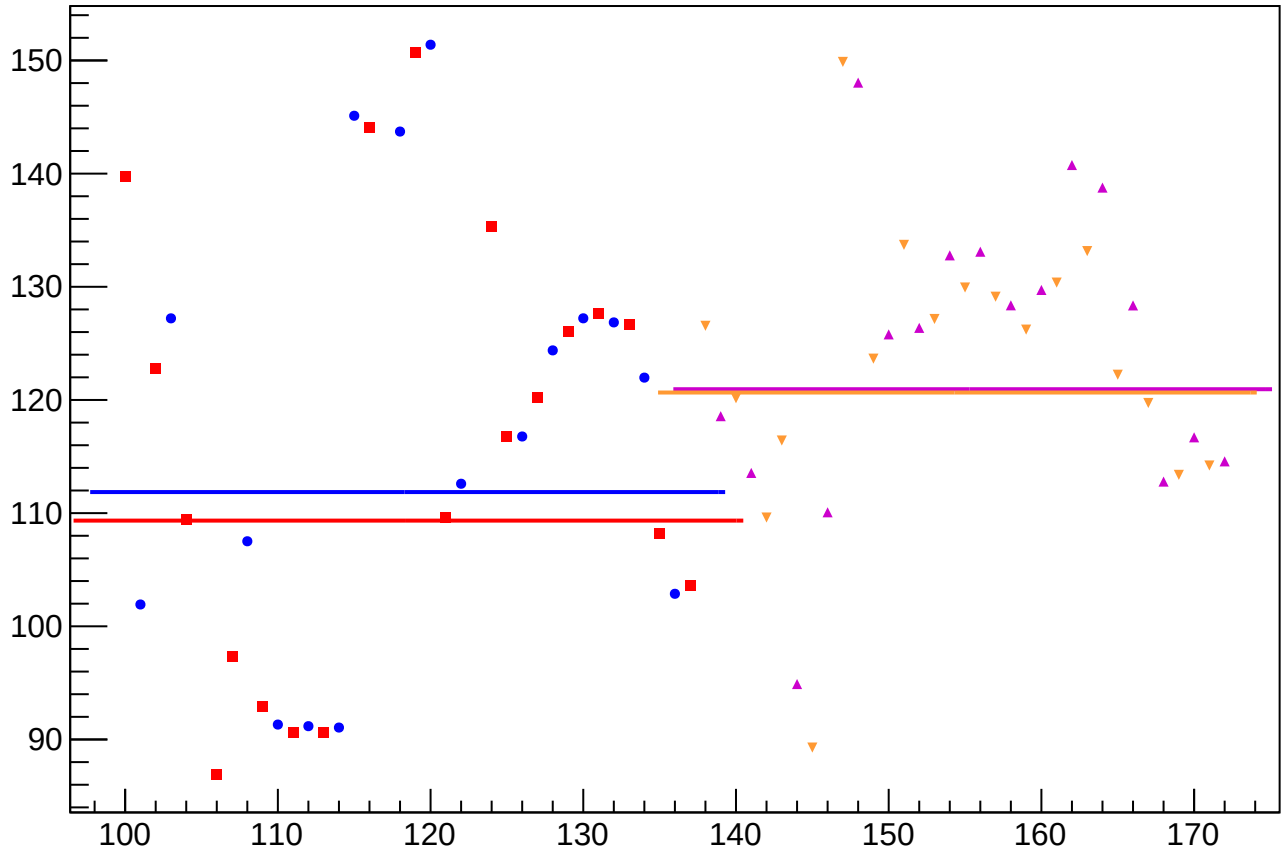
Right: 0.000+/-0.000 χ^2/NDF: 3365640.7/34

In: 0.000+/-0.000 χ^2/NDF:4897021.2/32

Out: 0.000+/-0.000 χ^2/NDF:8008471.1/36

All: 0.000+/-0.000 χ^2/NDF: 13286535.9/69


reg_asym_sam_48_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
Right In: 82.196+/-42.133 χ²/NDF: 18.4/15
Left Out: 238.223+/-32.213 χ²/NDF:15.5/17
Right Out: 175.732+/-40.673 χ²/NDF: 9.9/18
Left In: 266.747+/-32.555 χ²/NDF:20.1/16
Left: 252.334+/-22.898 χ²/NDF: 36.1/34
Right: 130.613+/-29.263 χ²/NDF: 30.8/34
In: 197.756+/-25.761 χ²/NDF:50.5/32
Out: 214.135+/-25.252 χ²/NDF:26.9/36
All: 206.108+/-18.033 χ²/NDF: 77.6/69



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 120.658+/-0.023 χ^2/NDF:352512.1/17

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 120.950+/-0.023 χ^2/NDF:333372.9/16

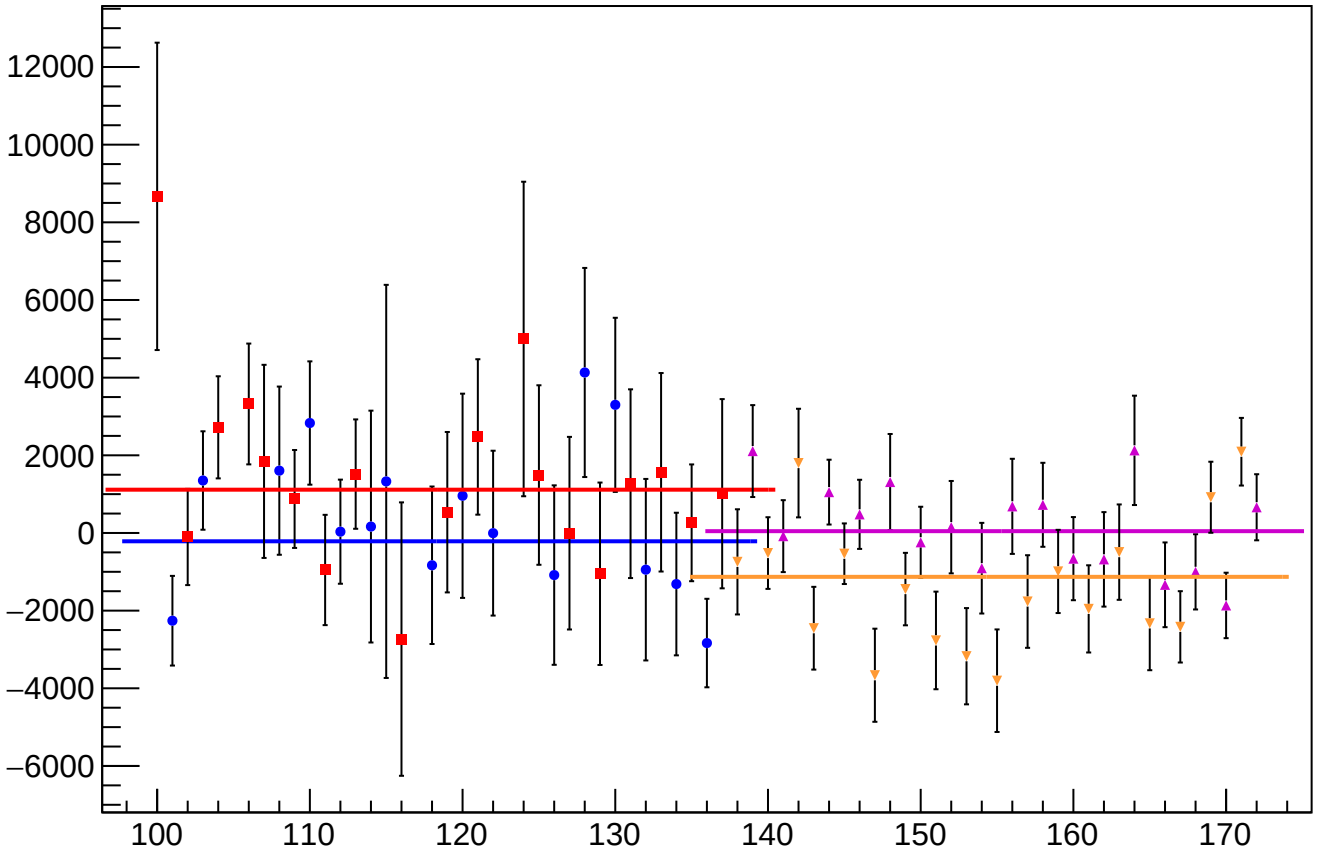
Left: 120.802+/-0.016 χ^2/NDF: 685966.3/34

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 117.553+/-0.018 χ^2/NDF:697661.6/32

Out: 116.295+/-0.018 χ^2/NDF:814899.3/36

All: 116.911+/-0.013 χ^2/NDF: 1514990.3/69



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1129.548+/-251.011 χ^2/NDF:42.9/17

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 46.580+/-248.959 χ^2/NDF:18.7/16

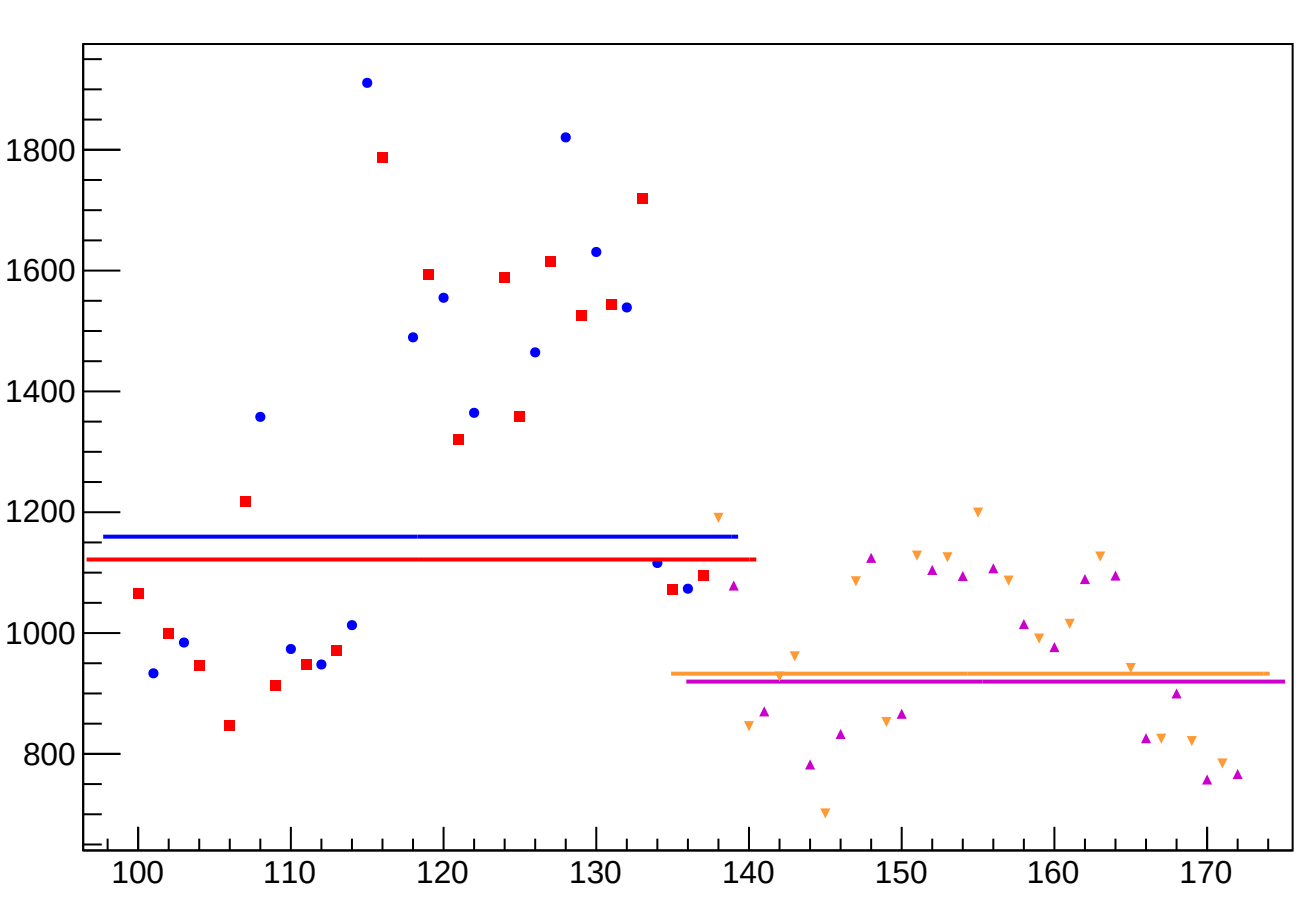
Left: -536.656+/-176.762 χ^2/NDF: 72.6/34

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: -15.803+/-217.147 χ^2/NDF:39.4/32

Out: -545.163+/-215.871 χ^2/NDF:78.2/36

All: -282.044+/-153.093 χ^2/NDF: 120.6/69



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 932.761+/-0.177 χ^2/NDF:708566.9/17

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 919.625+/-0.176 χ^2/NDF:561863.2/16

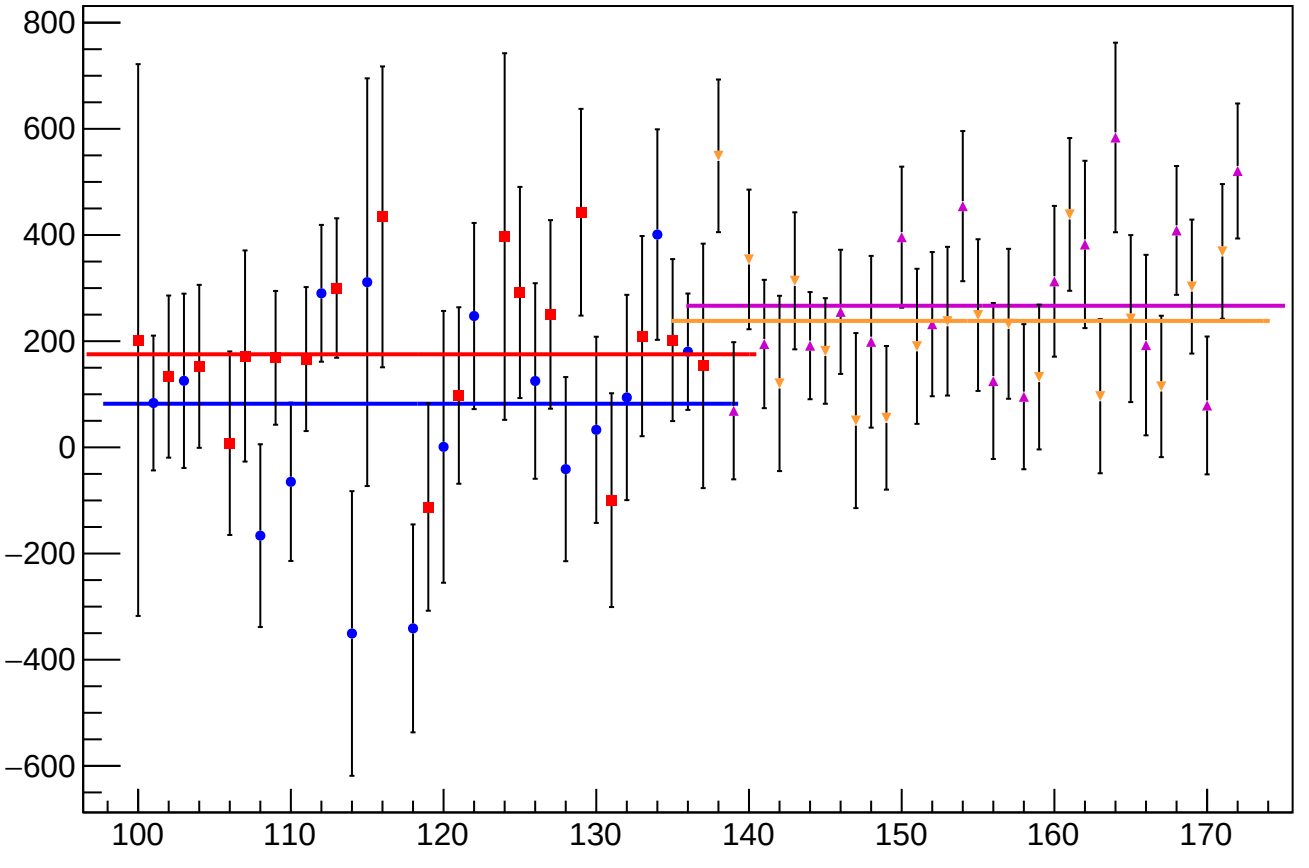
Left: 926.139+/-0.125 χ^2/NDF: 1273191.6/34

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 977.026+/-0.154 χ^2/NDF:1689987.5/32

Out: 981.973+/-0.153 χ^2/NDF:1786063.1/36

All: 979.514+/-0.108 χ^2/NDF: 3476572.6/69



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 238.225+/-32.213 χ^2/NDF:15.5/17

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: 252.336+/-22.898 χ^2/NDF: 36.1/34

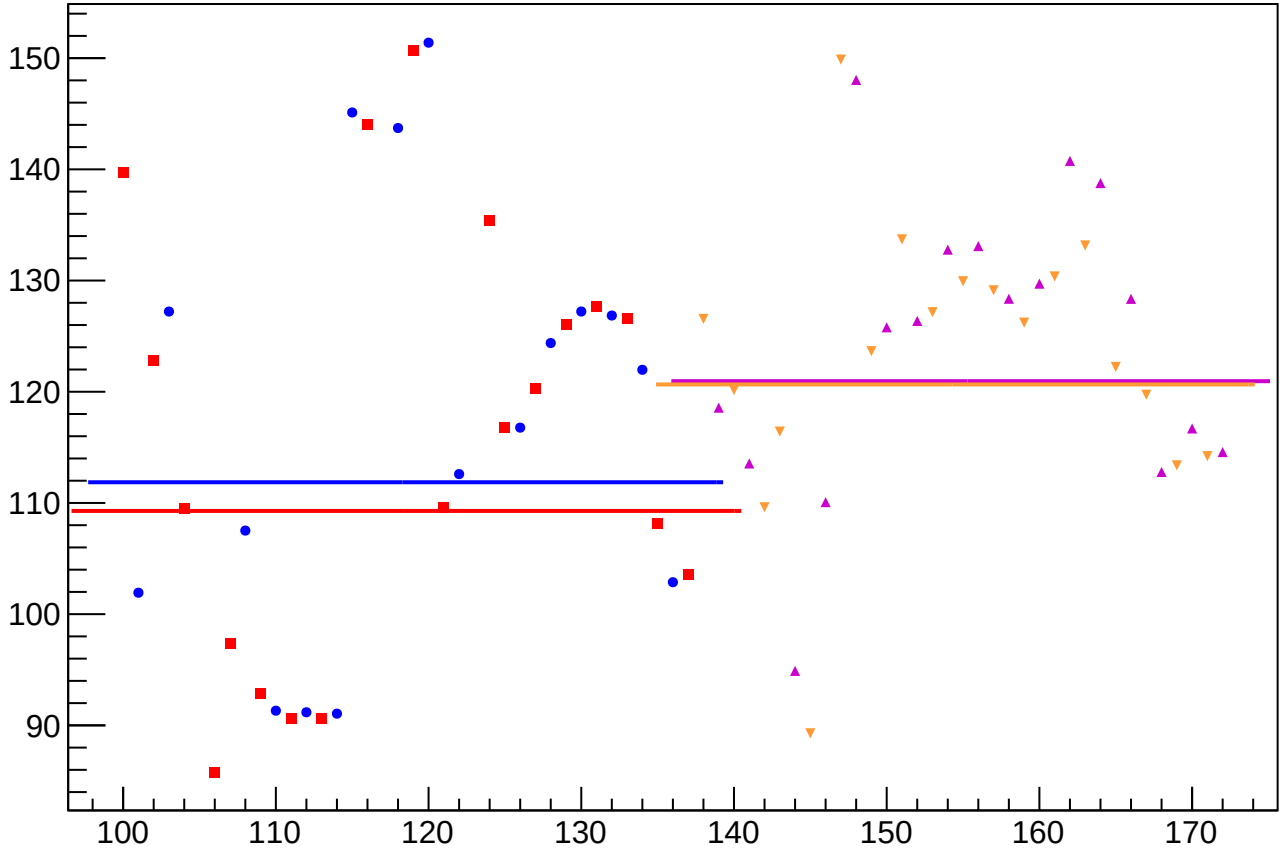
Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 197.752+/-25.761 χ^2/NDF:50.5/32

Out: 213.988+/-25.254 χ^2/NDF:26.9/36

All: 206.032+/-18.034 χ^2/NDF: 77.7/69

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 120.658+/-0.023 χ^2/NDF:352512.1/17

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: 120.802+/-0.016 χ^2/NDF: 685966.3/34

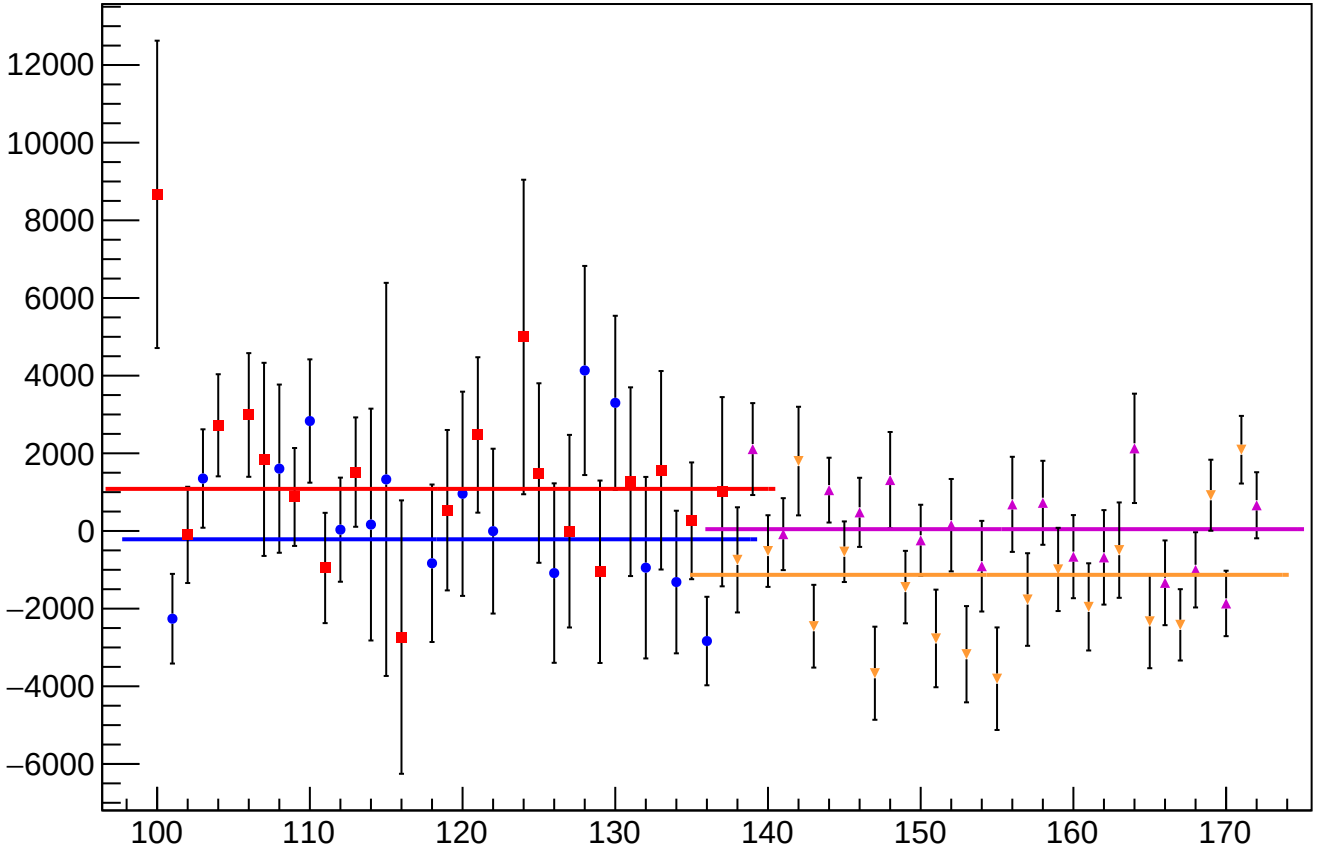
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.553+/-0.018 χ^2/NDF:697662.4/32

Out: 116.274+/-0.018 χ^2/NDF:819321.1/36

All: 116.901+/-0.013 χ^2/NDF: 1519494.3/69

asym_sam_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1129.546+/-251.011 χ^2/NDF:42.9/17

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 46.587+/-248.959 χ^2/NDF:18.7/16

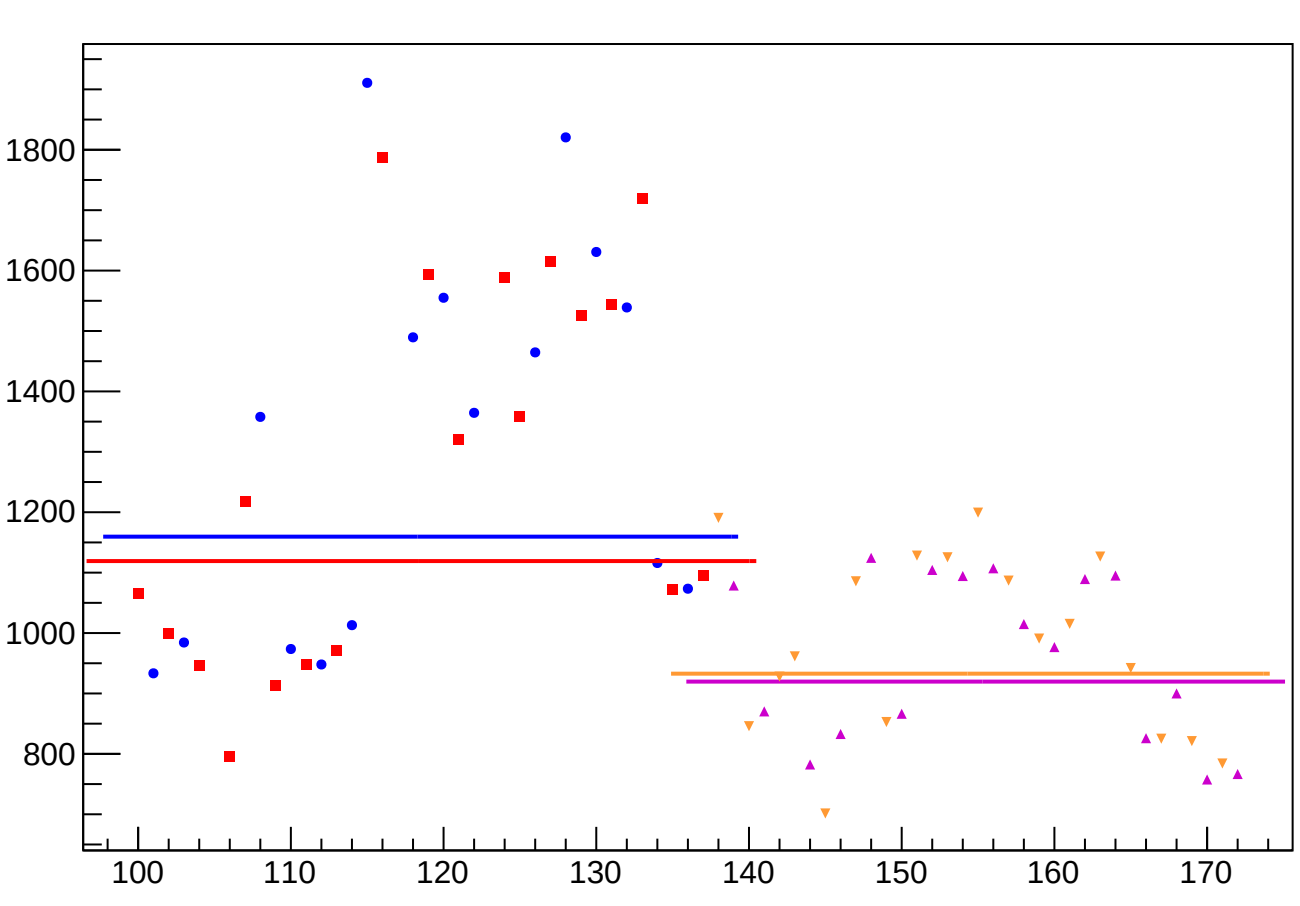
Left: -536.652+/-176.762 χ^2/NDF: 72.6/34

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: -15.819+/-217.148 χ^2/NDF:39.4/32

Out: -554.651+/-215.969 χ^2/NDF:77.0/36

All: -286.702+/-153.128 χ^2/NDF: 119.4/69



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 932.761+/-0.177 χ^2/NDF:708568.1/17

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 919.625+/-0.176 χ^2/NDF:561863.2/16

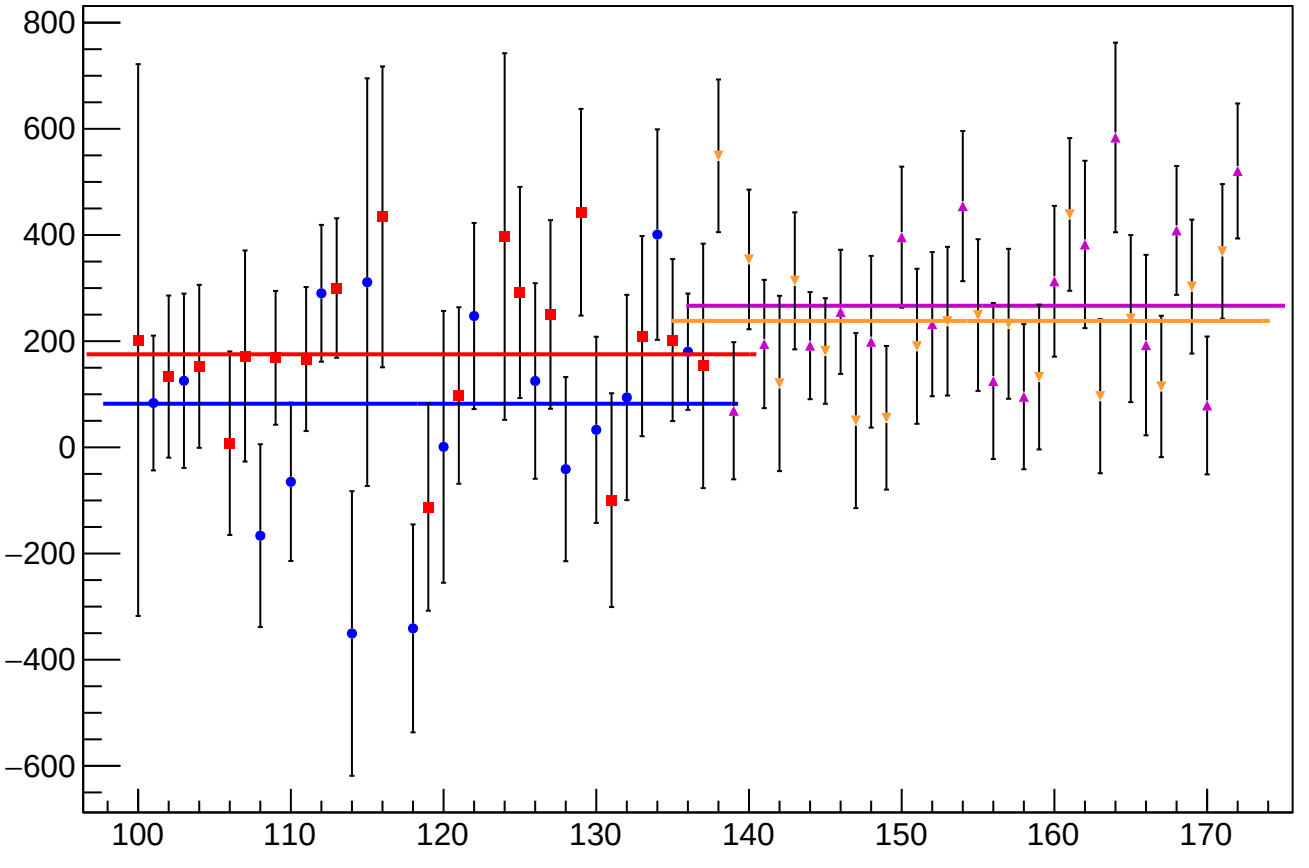
Left: 926.139+/-0.125 χ^2/NDF: 1273192.6/34

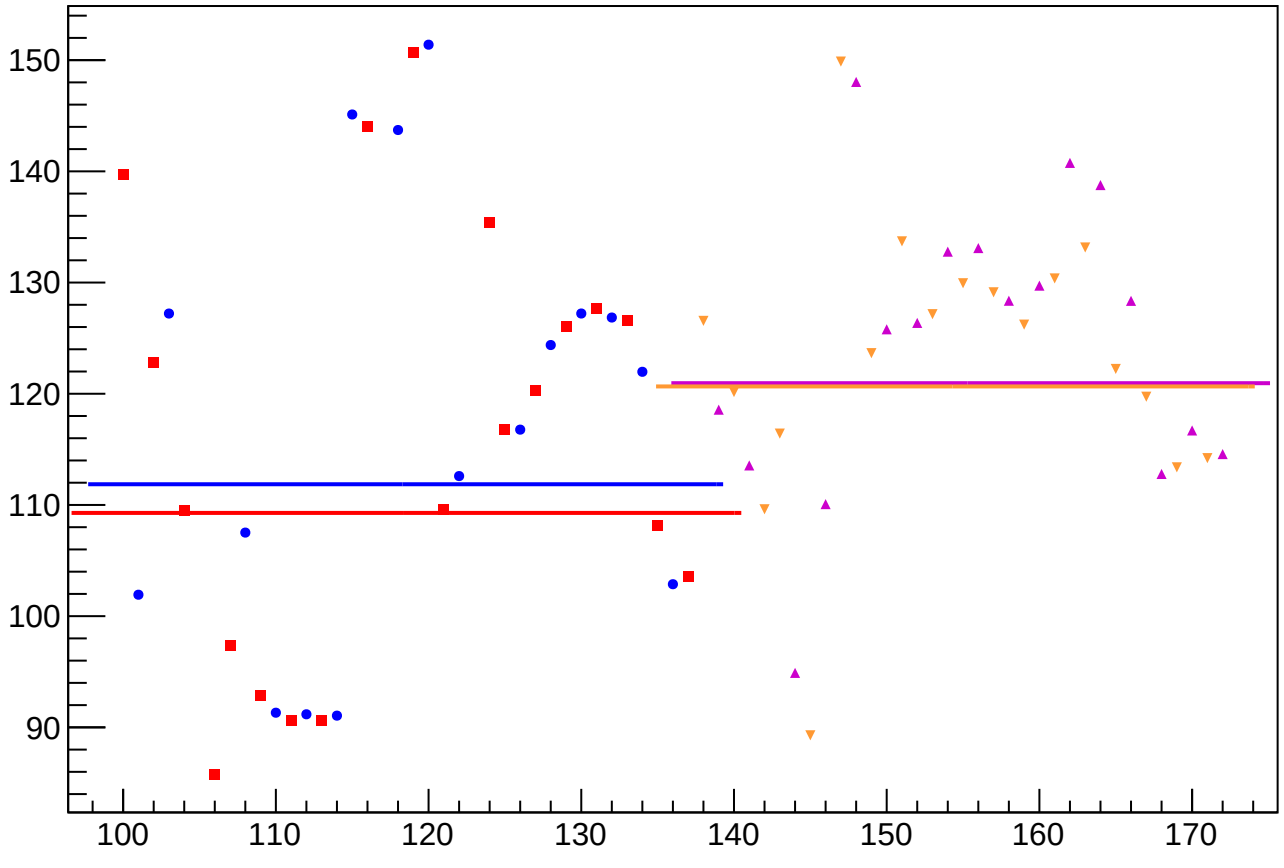
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 977.028+/-0.154 χ^2/NDF:1689986.7/32

Out: 981.172+/-0.153 χ^2/NDF:1798153.5/36

All: 979.111+/-0.108 χ^2/NDF: 3488506.4/69


eigen_cor_asym_sam_48_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
Right In: 82.185+/-42.133 χ²/NDF: 18.4/15
Left Out: 238.225+/-32.213 χ²/NDF:15.5/17
Right Out: 175.338+/-40.678 χ²/NDF: 9.9/18
Left In: 266.748+/-32.555 χ²/NDF:20.1/16
Left: 252.336+/-22.898 χ²/NDF: 36.1/34
Right: 130.398+/-29.265 χ²/NDF: 30.8/34
In: 197.752+/-25.761 χ²/NDF:50.5/32
Out: 213.988+/-25.254 χ²/NDF:26.9/36
All: 206.032+/-18.034 χ²/NDF: 77.7/69



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 120.658+/-0.023 χ^2/NDF:352512.1/17

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: 120.802+/-0.016 χ^2/NDF: 685966.3/34

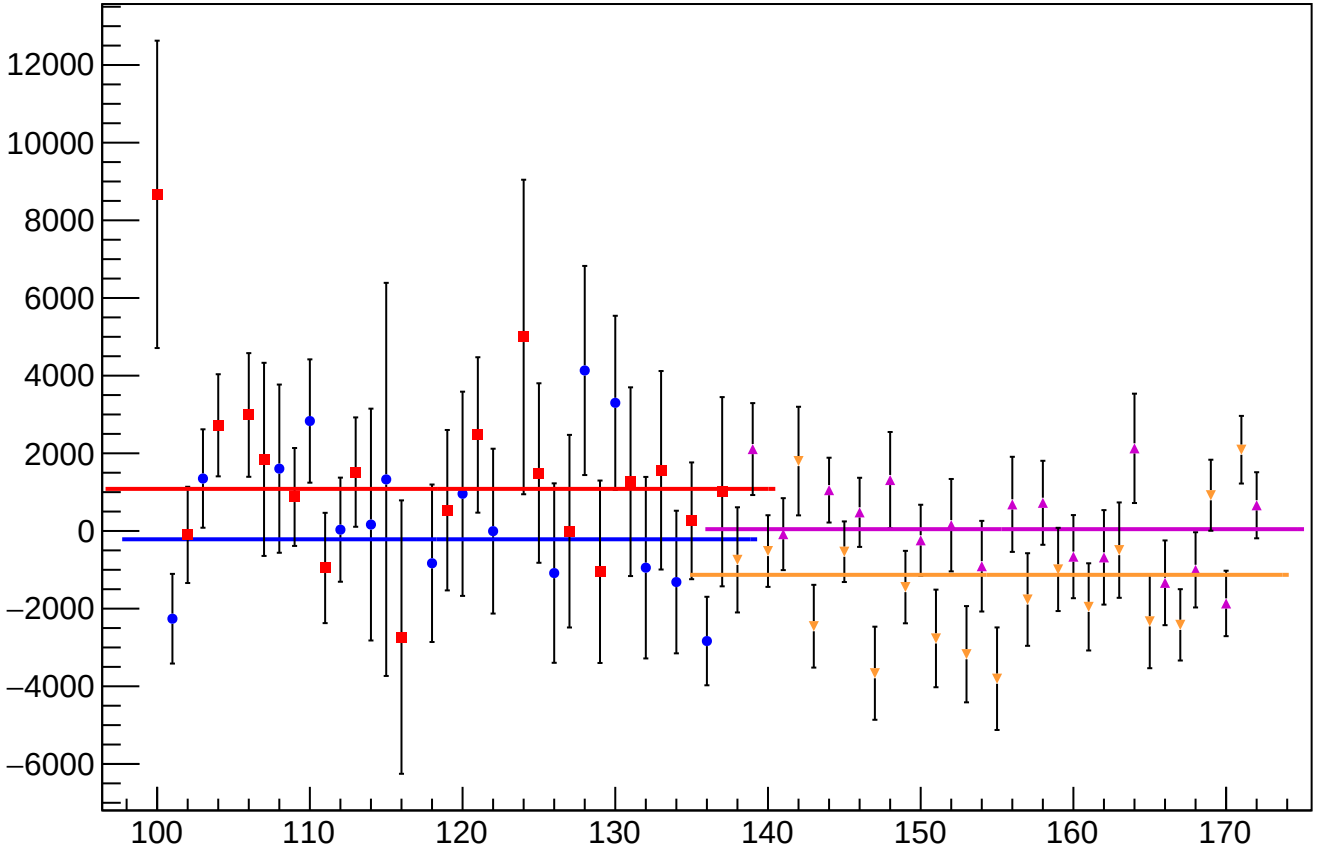
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.553+/-0.018 χ^2/NDF:697662.4/32

Out: 116.274+/-0.018 χ^2/NDF:819321.1/36

All: 116.901+/-0.013 χ^2/NDF: 1519494.3/69

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: -1129.546+/-251.011 χ^2/NDF:42.9/17

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: -536.652+/-176.762 χ^2/NDF: 72.6/34

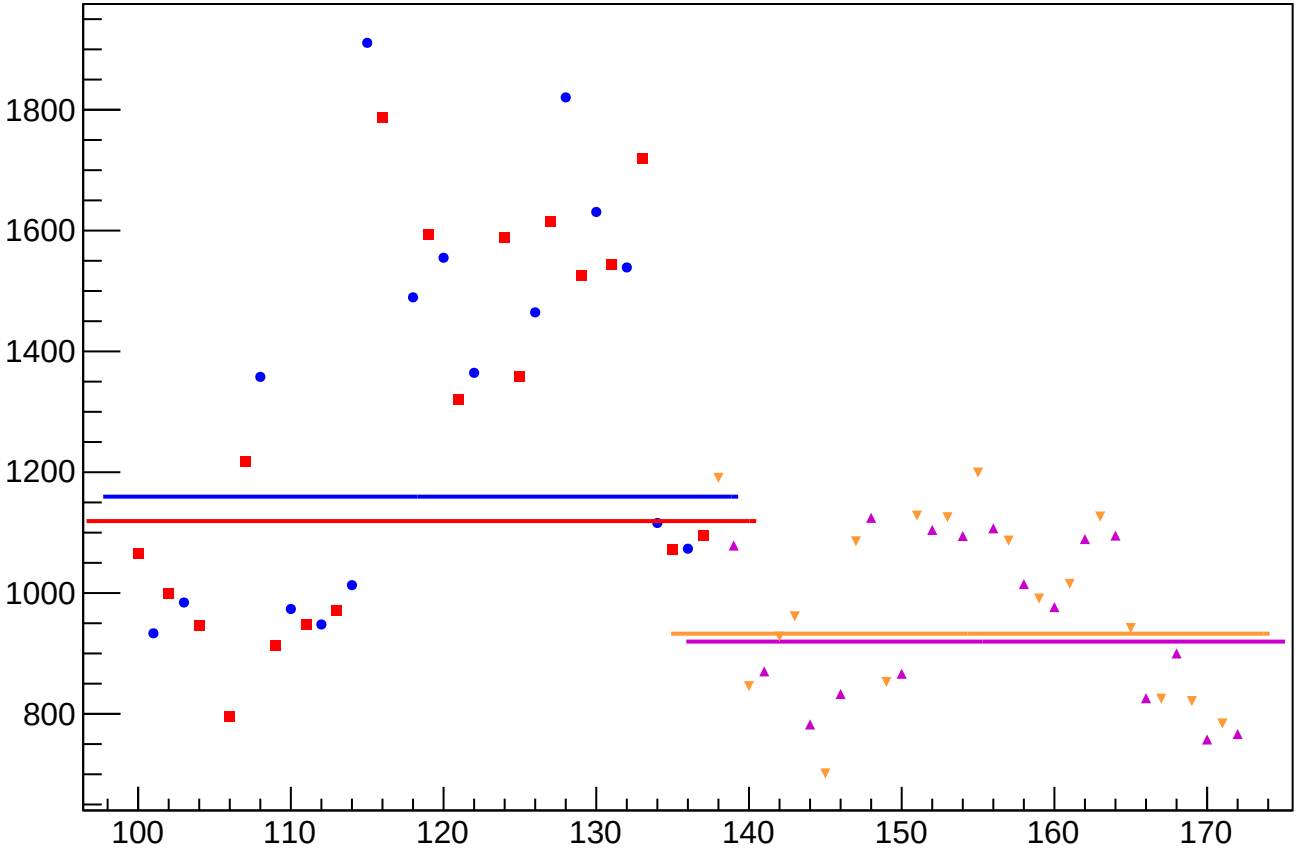
Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: -15.819+/-217.148 χ^2/NDF:39.4/32

Out: -554.651+/-215.969 χ^2/NDF:77.0/36

All: -286.702+/-153.128 χ^2/NDF: 119.4/69

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: 932.761+/-0.177 χ^2/NDF:708568.1/17

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 919.625+/-0.176 χ^2/NDF:561863.2/16

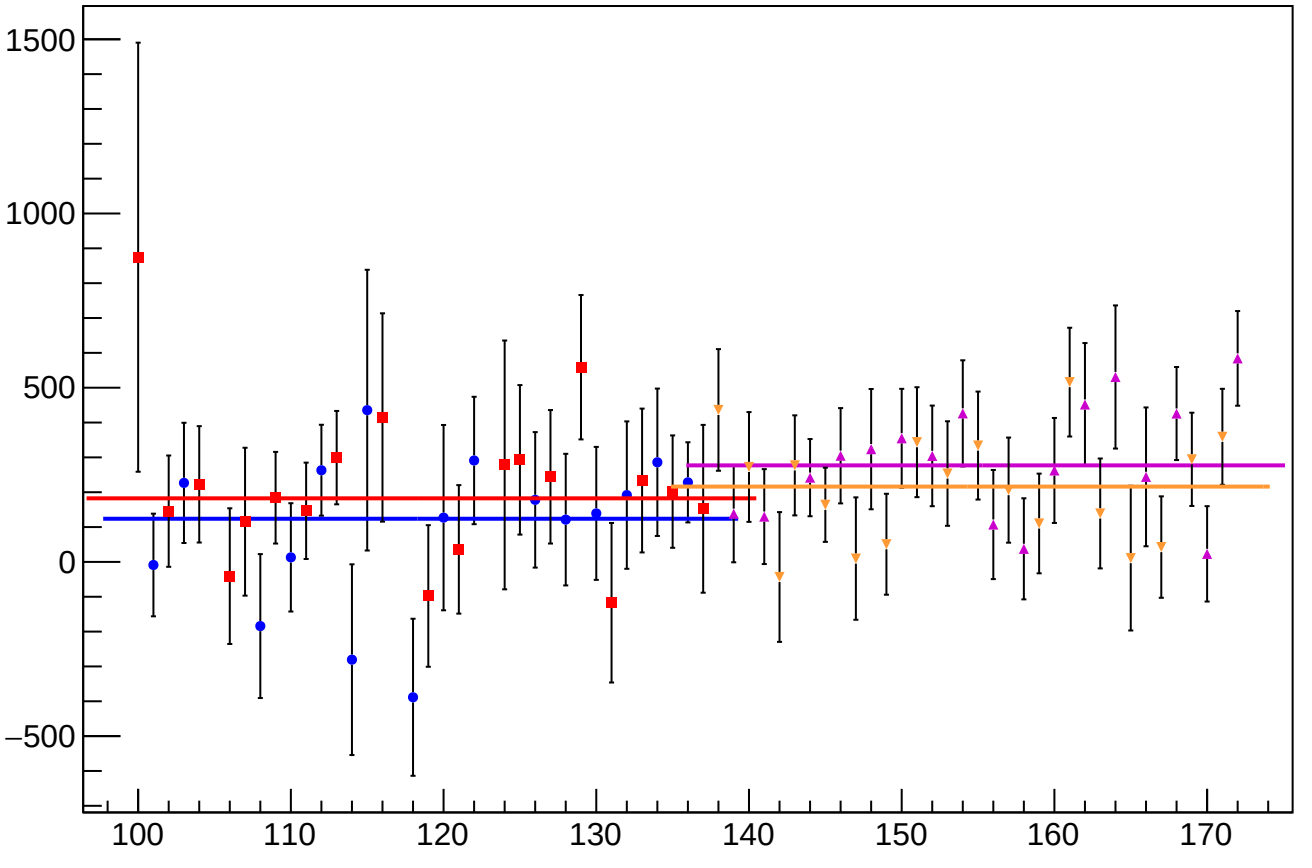
Left: 926.139+/-0.125 χ^2/NDF: 1273192.6/34

Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 977.028+/-0.154 χ^2/NDF:1689986.7/32

Out: 981.172+/-0.153 χ^2/NDF:1798153.5/36

All: 979.111+/-0.108 χ^2/NDF: 3488506.4/69



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 216.191+/-35.401 χ^2/NDF:16.4/17

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: 246.504+/-25.083 χ^2/NDF: 37.7/34

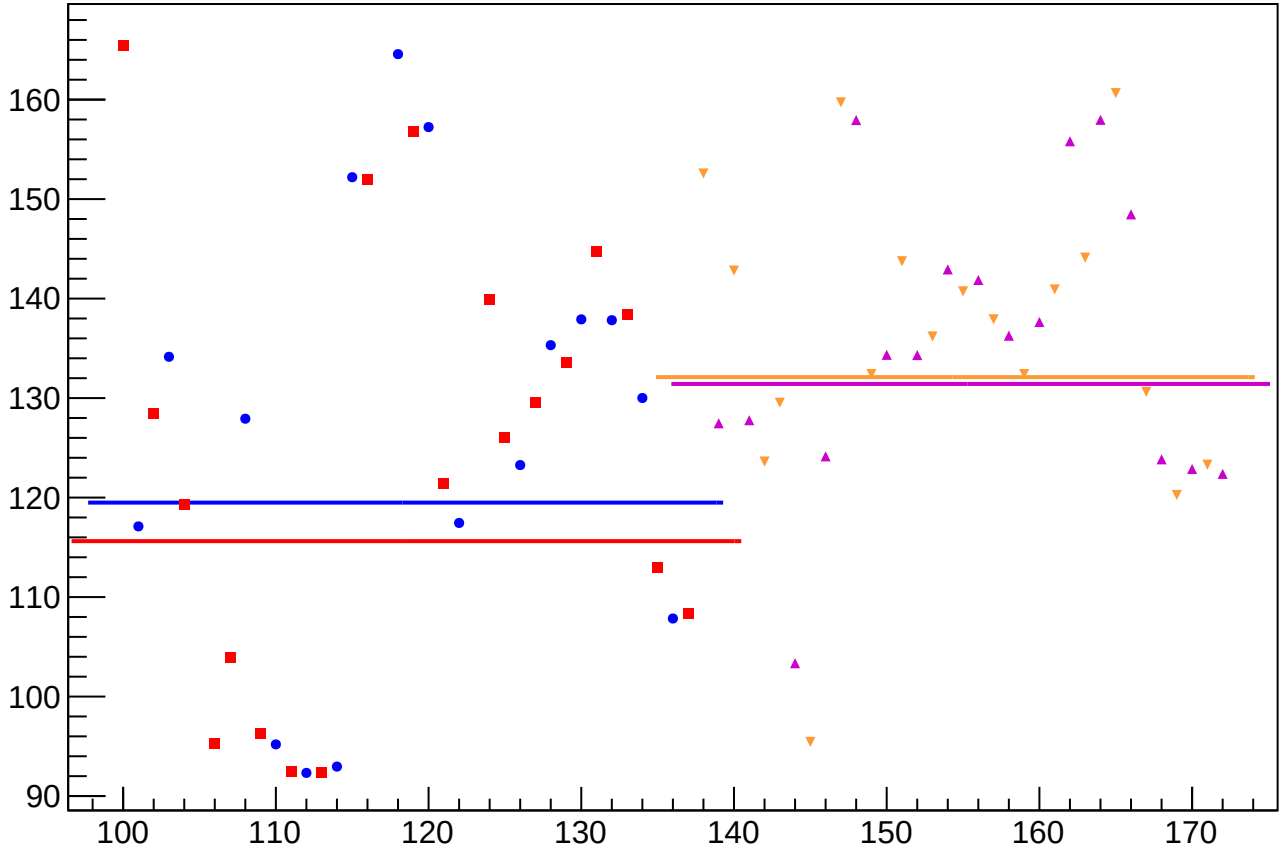
Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 218.598+/-27.949 χ^2/NDF:42.4/32

Out: 202.652+/-27.388 χ^2/NDF:29.0/36

All: 210.463+/-19.561 χ^2/NDF: 71.6/69

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 132.106+/-0.025 χ^2/NDF:429503.7/17

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 131.420+/-0.025 χ^2/NDF:321289.2/16

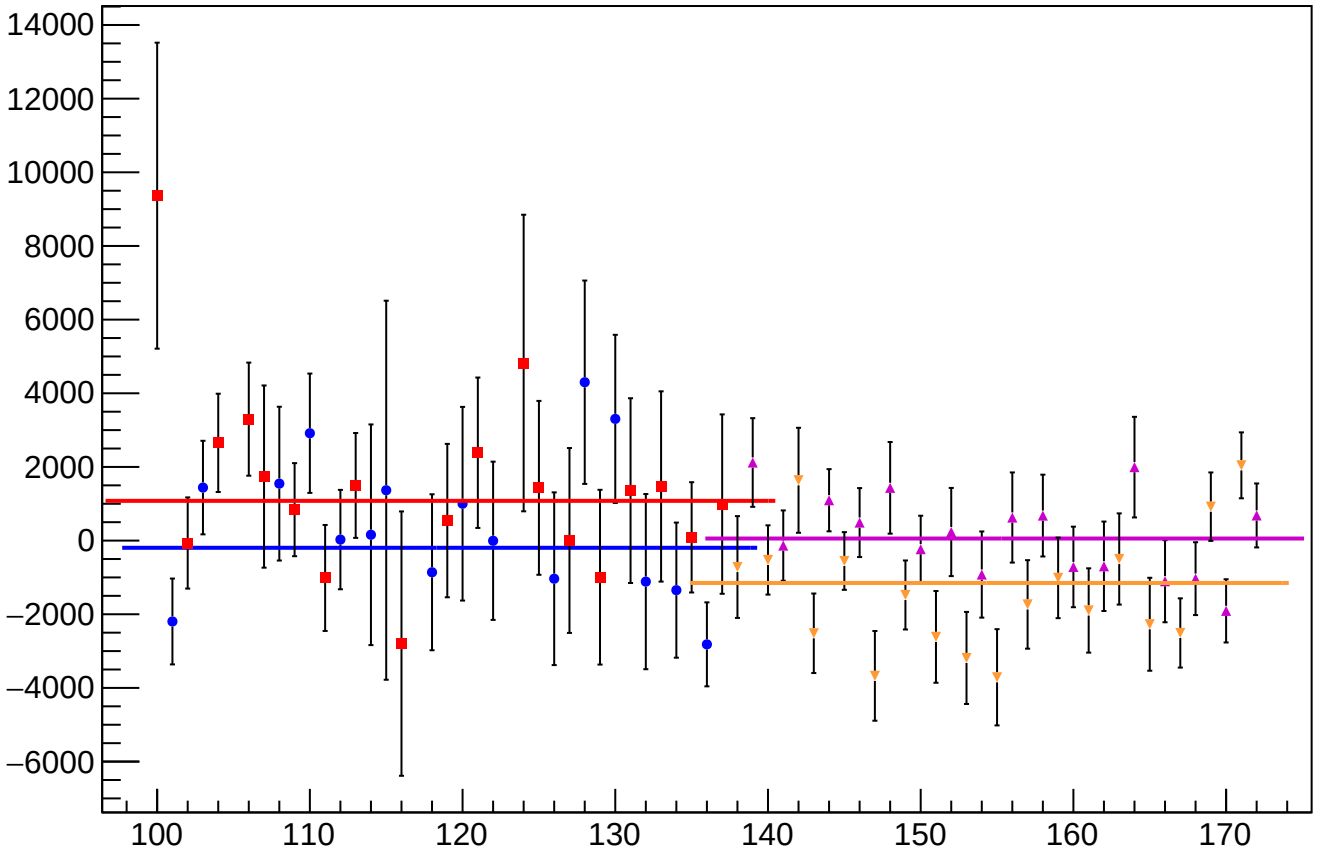
Left: 131.765+/-0.018 χ^2/NDF: 751167.1/34

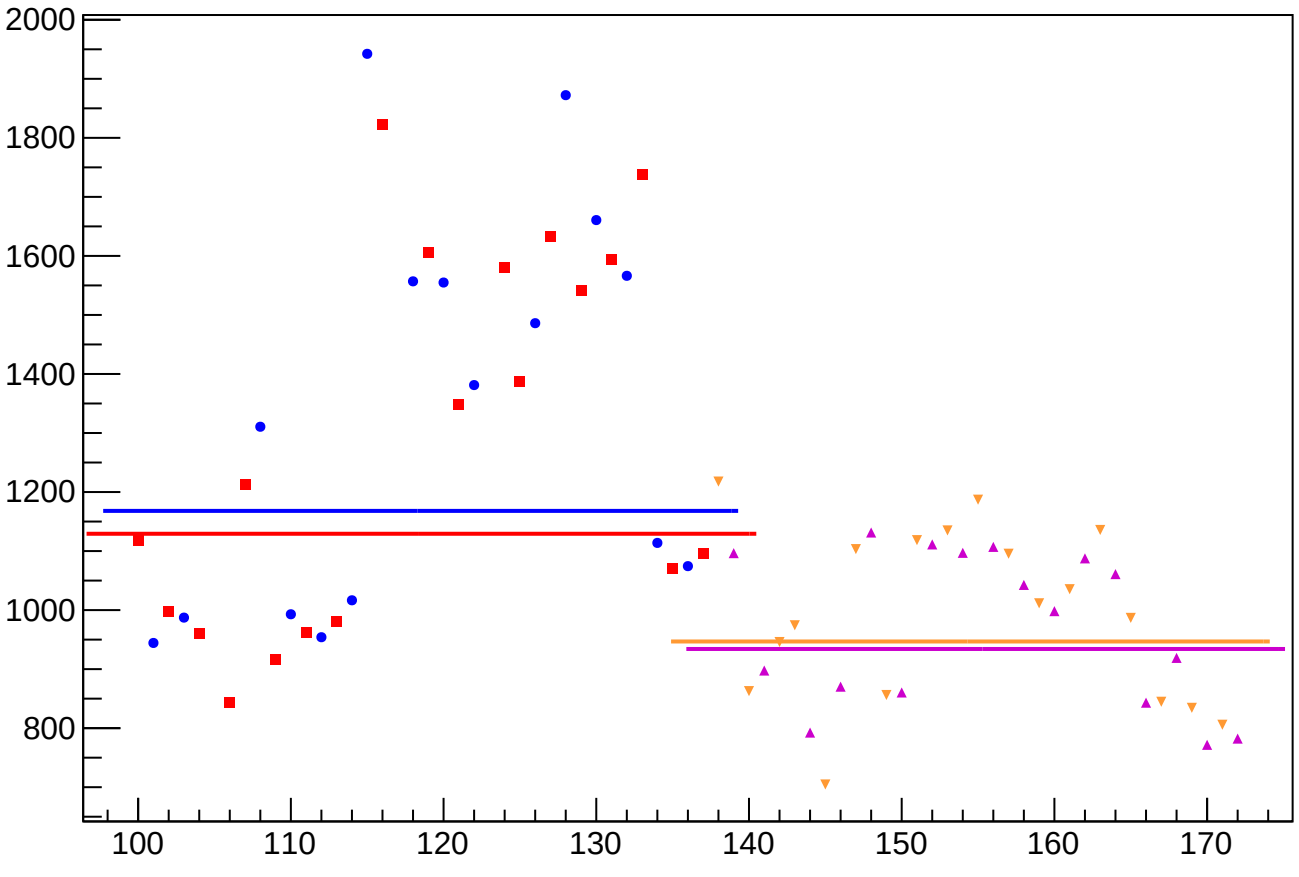
Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 126.868+/-0.020 χ^2/NDF:787477.6/32

Out: 125.488+/-0.019 χ^2/NDF:1030570.7/36

All: 126.164+/-0.014 χ^2/NDF: 1820536.1/69


asym_sam_48_dd_dit_correction_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -195.086+/-447.334 χ²/NDF: 20.4/15
Left Out: -1150.275+/-254.588 χ²/NDF:40.4/17
Right Out: 1079.393+/-425.950 χ²/NDF: 14.6/18
Left In: 56.399+/-252.720 χ²/NDF:18.2/16
Left: -542.495+/-179.357 χ²/NDF: 69.9/34
Right: 473.342+/-308.475 χ²/NDF: 39.2/34
In: -4.447+/-220.034 χ²/NDF:38.9/32
Out: -563.405+/-218.529 χ²/NDF:75.1/36
All: -285.843+/-155.053 χ²/NDF: 117.3/69



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 946.840+/-0.180 χ^2/NDF:688697.5/17

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 934.145+/-0.179 χ^2/NDF:512526.6/16

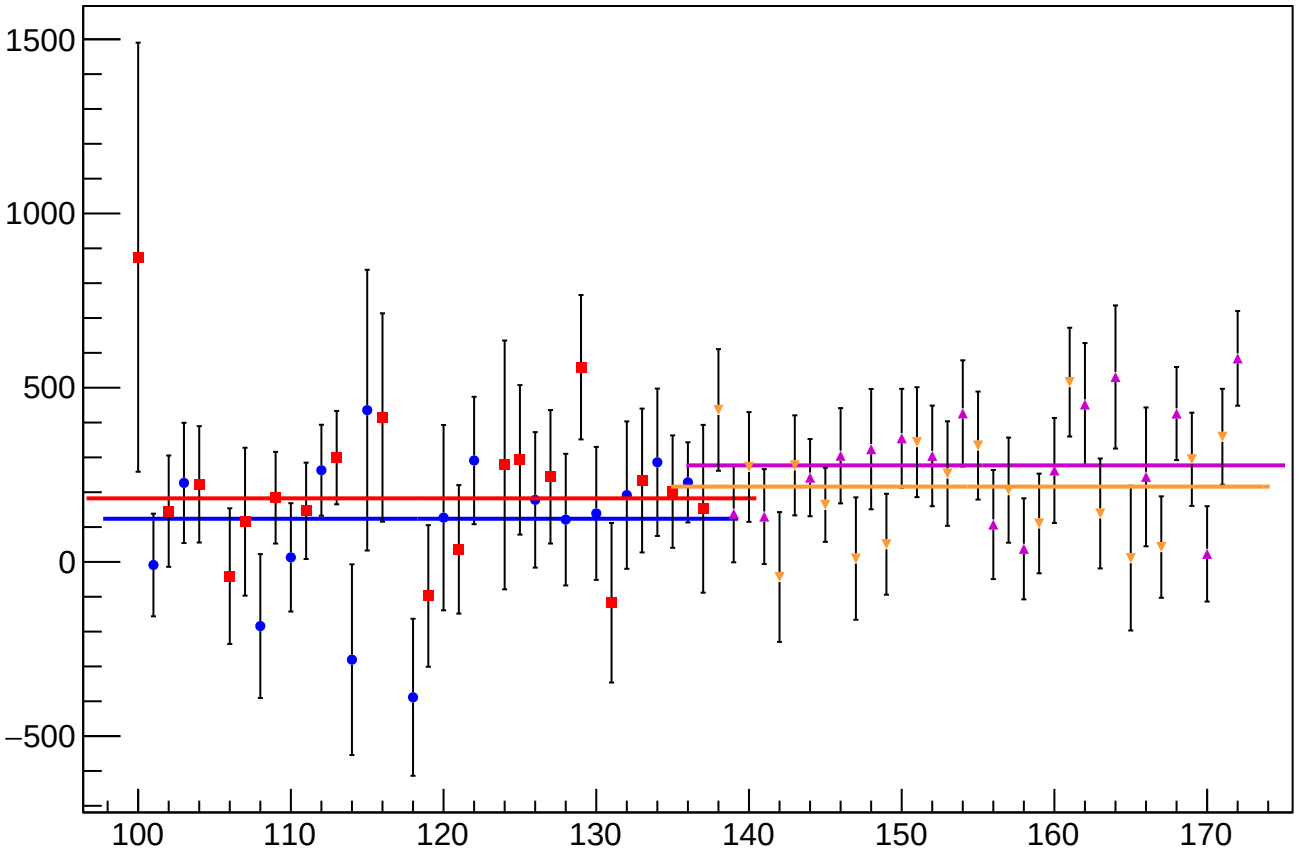
Left: 940.446+/-0.127 χ^2/NDF: 1203728.8/34

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 990.740+/-0.156 χ^2/NDF:1636456.7/32

Out: 994.869+/-0.155 χ^2/NDF:1766360.4/36

All: 992.819+/-0.110 χ^2/NDF: 3403171.7/69



Right In: 123.895+/-45.238 χ^2/NDF: 15.4/15

Left Out: 216.193+/-35.401 χ^2/NDF:16.4/17

Right Out: 182.468+/-43.224 χ^2/NDF: 12.3/18

Left In: 277.062+/-35.543 χ^2/NDF:19.9/16

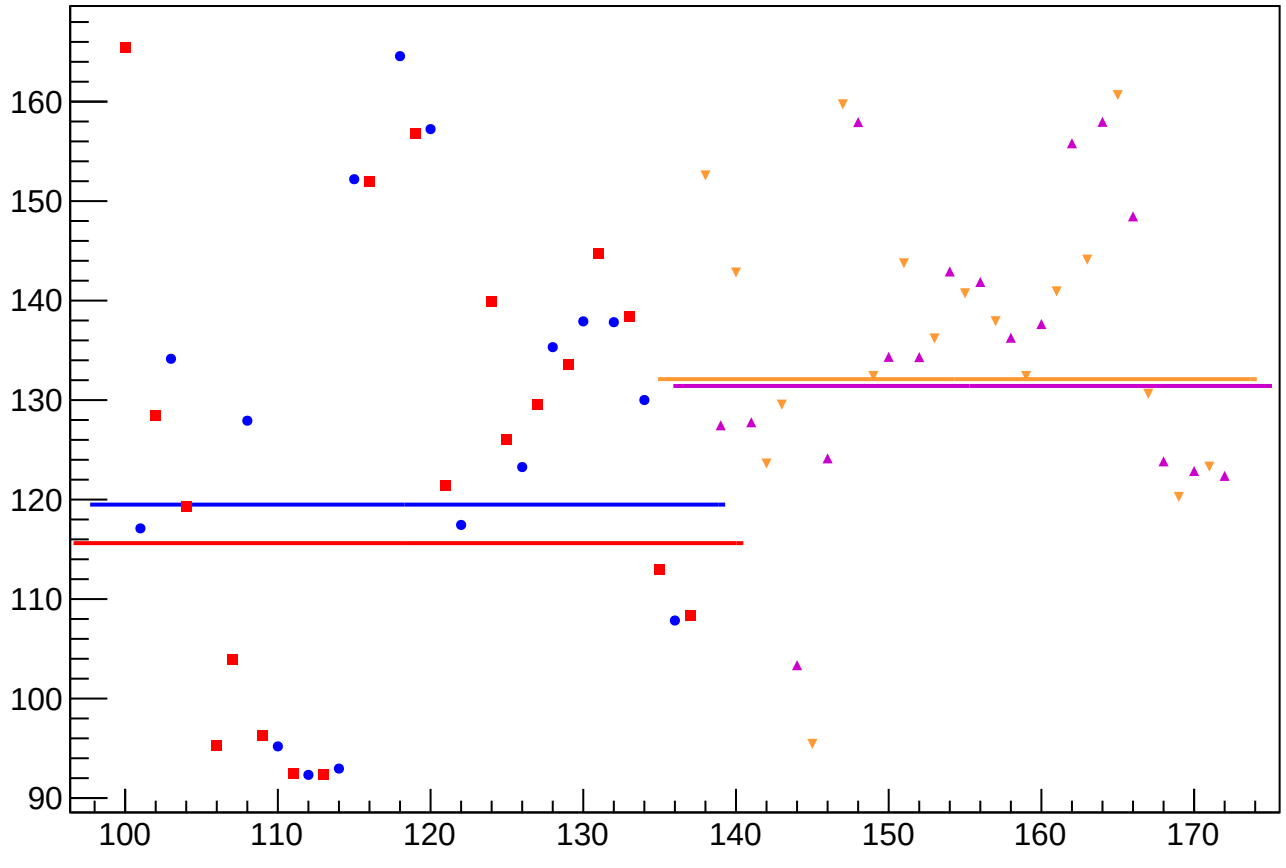
Left: 246.506+/-25.083 χ^2/NDF: 37.7/34

Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 218.599+/-27.949 χ^2/NDF:42.4/32

Out: 202.653+/-27.388 χ^2/NDF:29.0/36

All: 210.465+/-19.561 χ^2/NDF: 71.6/69



Right In: 119.495+/-0.032 χ^2/NDF: 380254.2/15

Left Out: 132.106+/-0.025 χ^2/NDF:429504.8/17

Right Out: 115.622+/-0.031 χ^2/NDF: 426966.4/18

Left In: 131.420+/-0.025 χ^2/NDF:321289.3/16

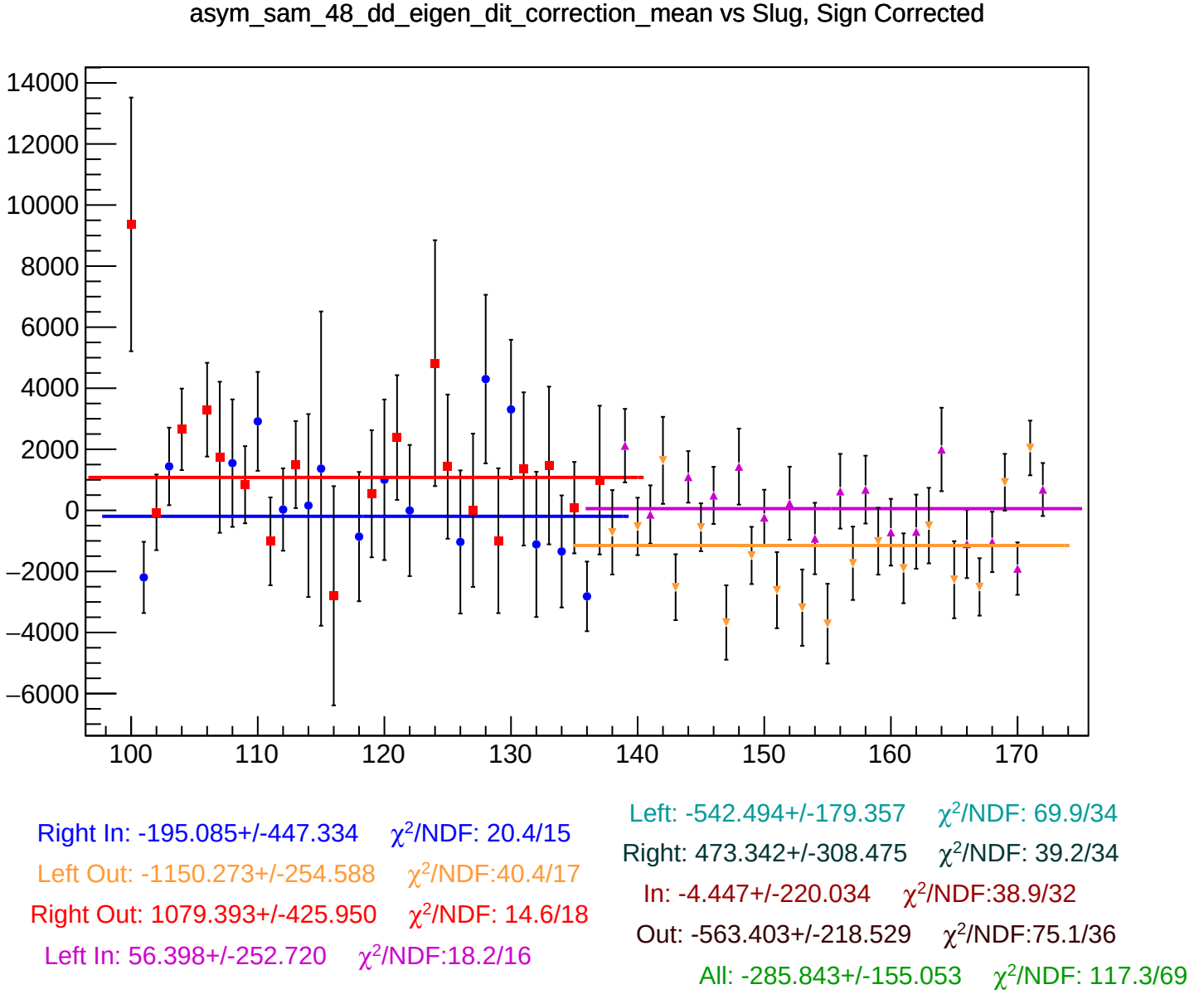
Left: 131.765+/-0.018 χ^2/NDF: 751168.4/34

Right: 117.470+/-0.022 χ^2/NDF: 814883.4/34

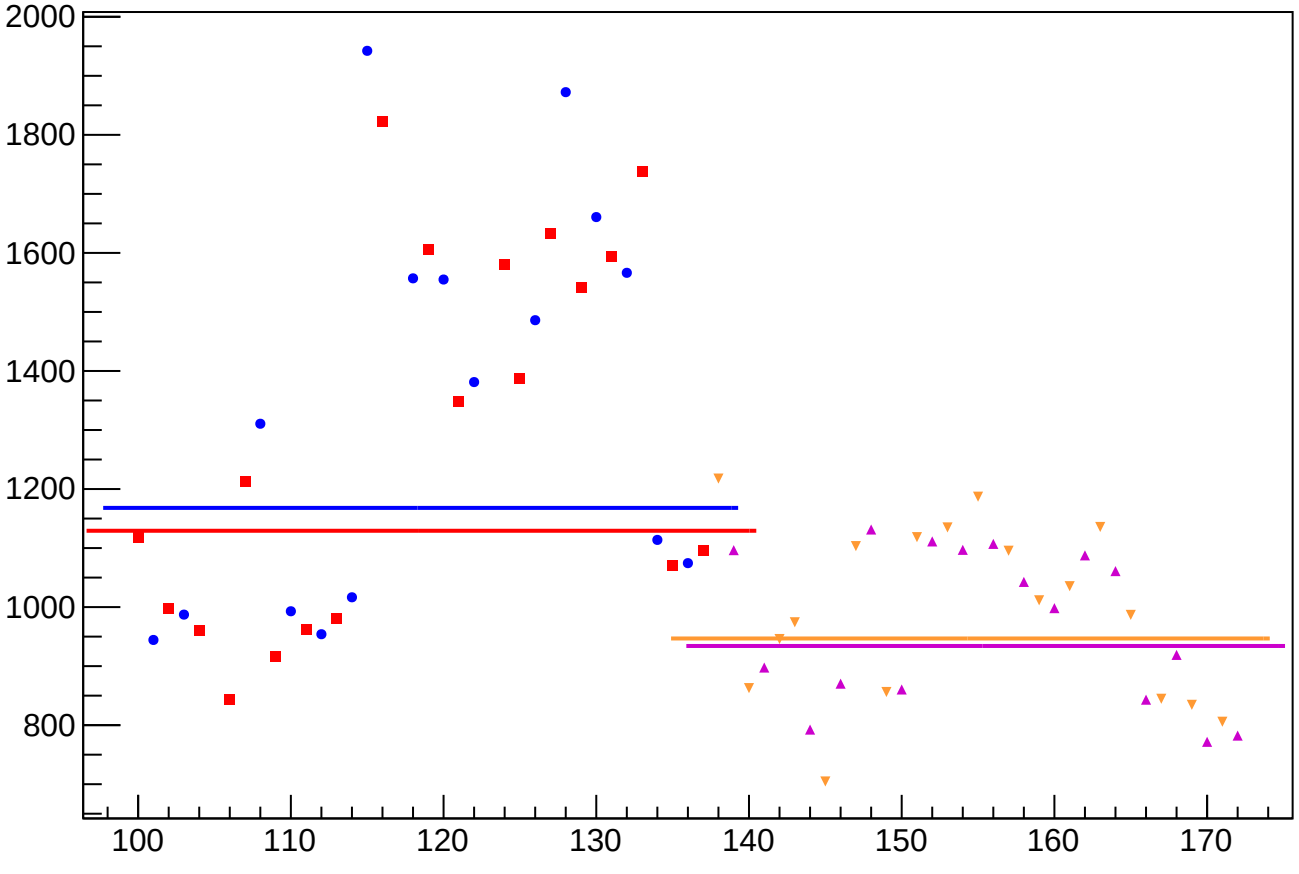
In: 126.868+/-0.020 χ^2/NDF:787481.3/32

Out: 125.488+/-0.019 χ^2/NDF:1030578.6/36

All: 126.164+/-0.014 χ^2/NDF: 1820547.8/69


asym_sam_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -195.085+/-447.334 χ²/NDF: 20.4/15
Left Out: -1150.273+/-254.588 χ²/NDF:40.4/17
Right Out: 1079.393+/-425.950 χ²/NDF: 14.6/18
Left In: 56.398+/-252.720 χ²/NDF:18.2/16
Left: -542.494+/-179.357 χ²/NDF: 69.9/34
Right: 473.342+/-308.475 χ²/NDF: 39.2/34
In: -4.447+/-220.034 χ²/NDF:38.9/32
Out: -563.403+/-218.529 χ²/NDF:75.1/36
All: -285.843+/-155.053 χ²/NDF: 117.3/69

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: 946.839+/-0.180 χ^2/NDF:688702.1/17

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: 940.445+/-0.127 χ^2/NDF: 1203733.6/34

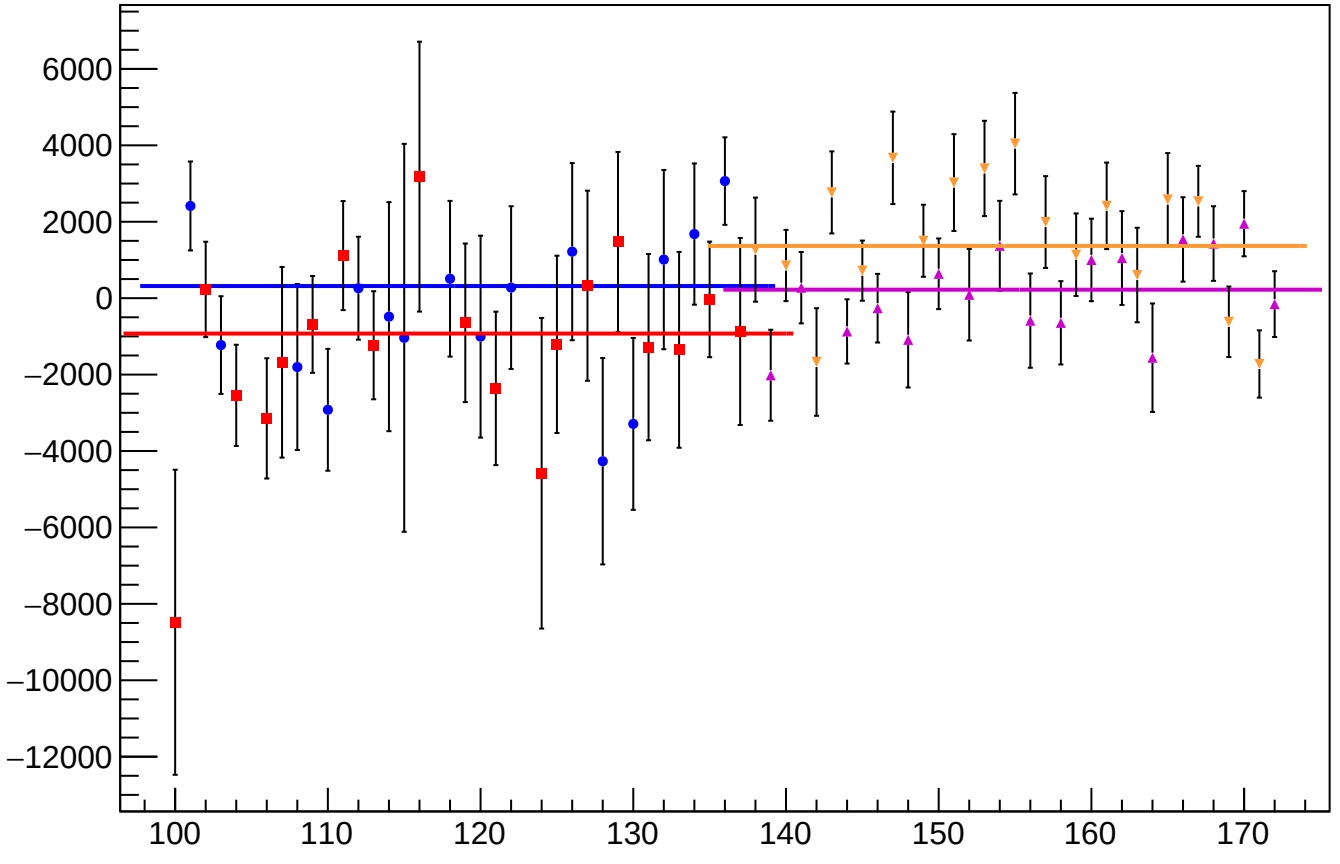
Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 990.740+/-0.156 χ^2/NDF:1636460.9/32

Out: 994.869+/-0.155 χ^2/NDF:1766368.4/36

All: 992.818+/-0.110 χ^2/NDF: 3403183.8/69

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1366.984+/-253.189 χ^2/NDF:40.5/17

Right Out: -926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: 222.129+/-251.201 χ^2/NDF:18.6/16

Left: 790.046+/-178.325 χ^2/NDF: 69.4/34

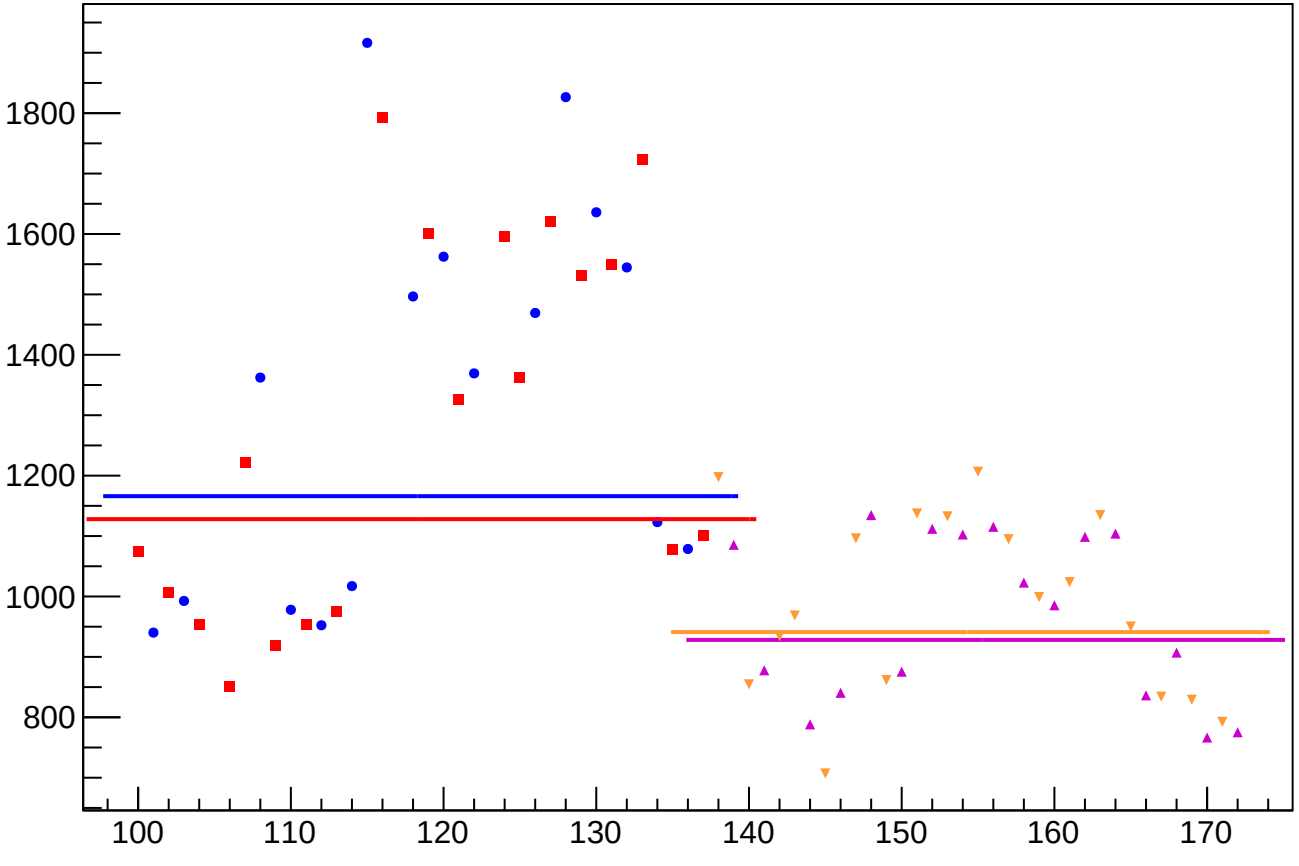
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: 245.038+/-218.913 χ^2/NDF:40.9/32

Out: 767.193+/-217.570 χ^2/NDF:76.5/36

All: 507.723+/-154.318 χ^2/NDF: 120.2/69

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 941.066+/-0.179 χ^2/NDF:699743.8/17

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 928.105+/-0.178 χ^2/NDF:553407.8/16

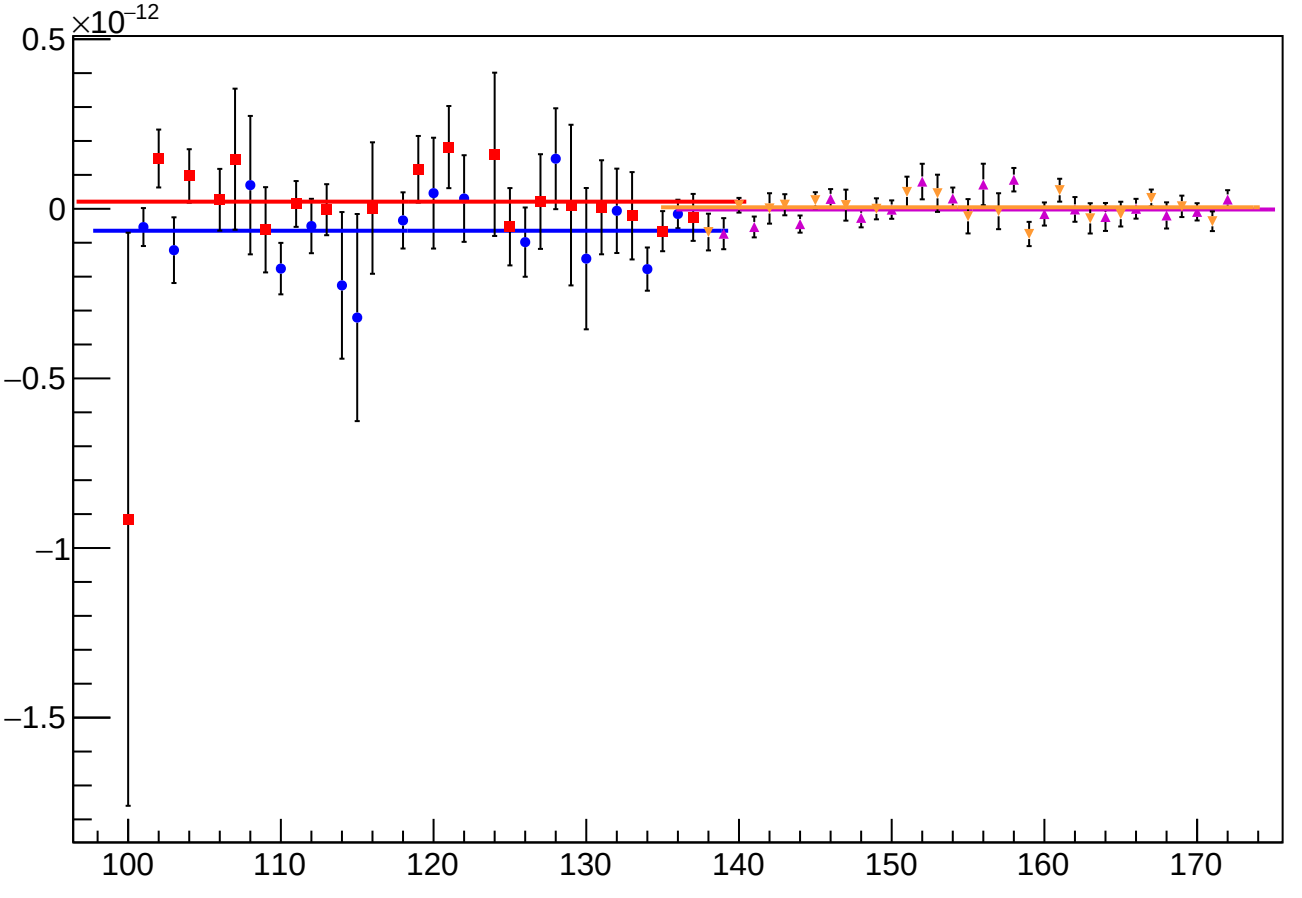
Left: 934.535+/-0.126 χ^2/NDF: 1255792.8/34

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 985.345+/-0.155 χ^2/NDF:1662160.5/32

Out: 989.965+/-0.154 χ^2/NDF:1760703.0/36

All: 987.669+/-0.109 χ^2/NDF: 3423311.6/69



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:23.4/16

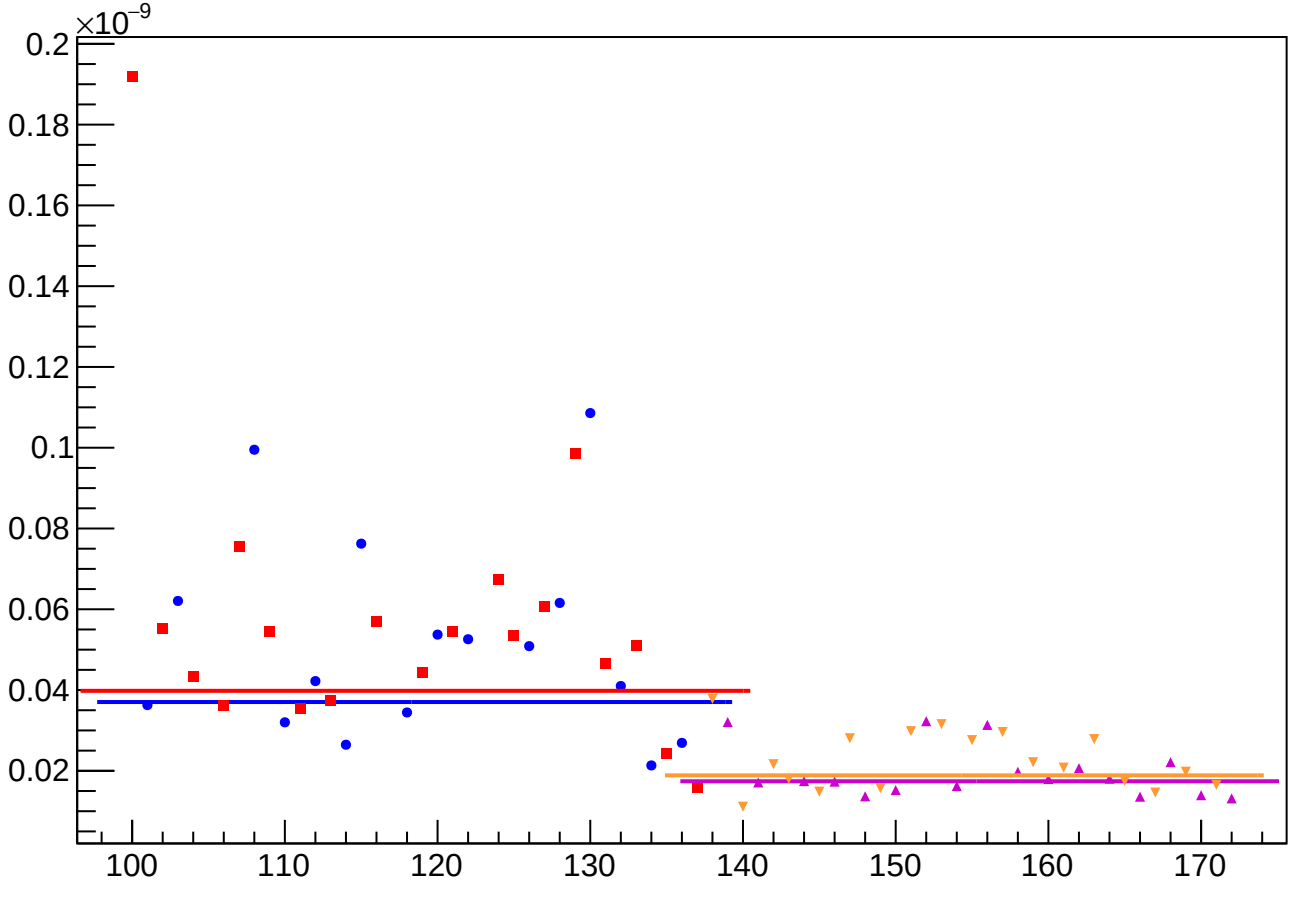
Left: 0.000+/-0.000 χ^2/NDF: 39.5/34

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:27.8/36

All: -0.000+/-0.000 χ^2/NDF: 73.0/69



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1215821.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:695792.2/16

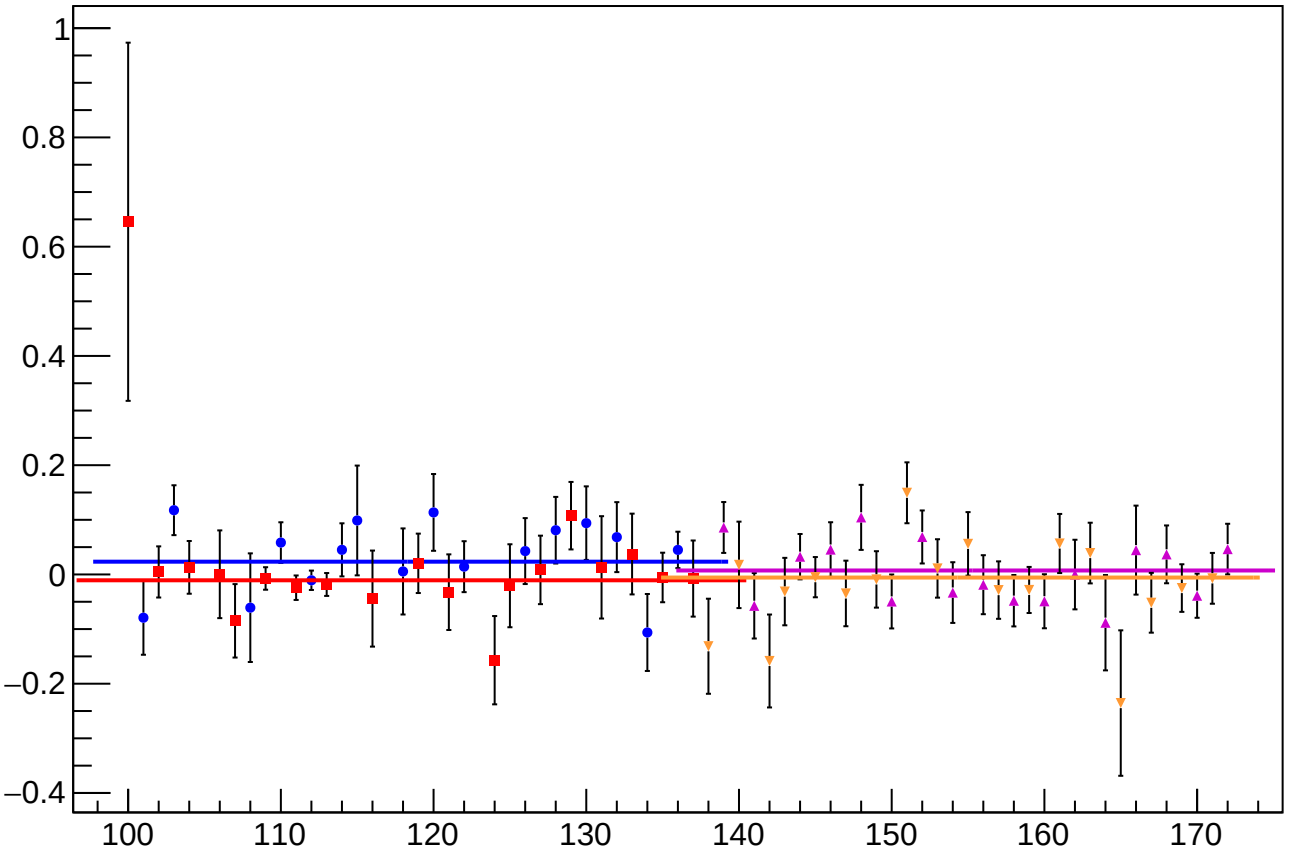
Left: 0.000+/-0.000 χ^2/NDF: 1945786.6/34

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:3583202.4/36

All: 0.000+/-0.000 χ^2/NDF: 6743611.9/69



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.006+/-0.013 χ^2/NDF:21.1/17

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: 0.001+/-0.009 χ^2/NDF: 39.4/34

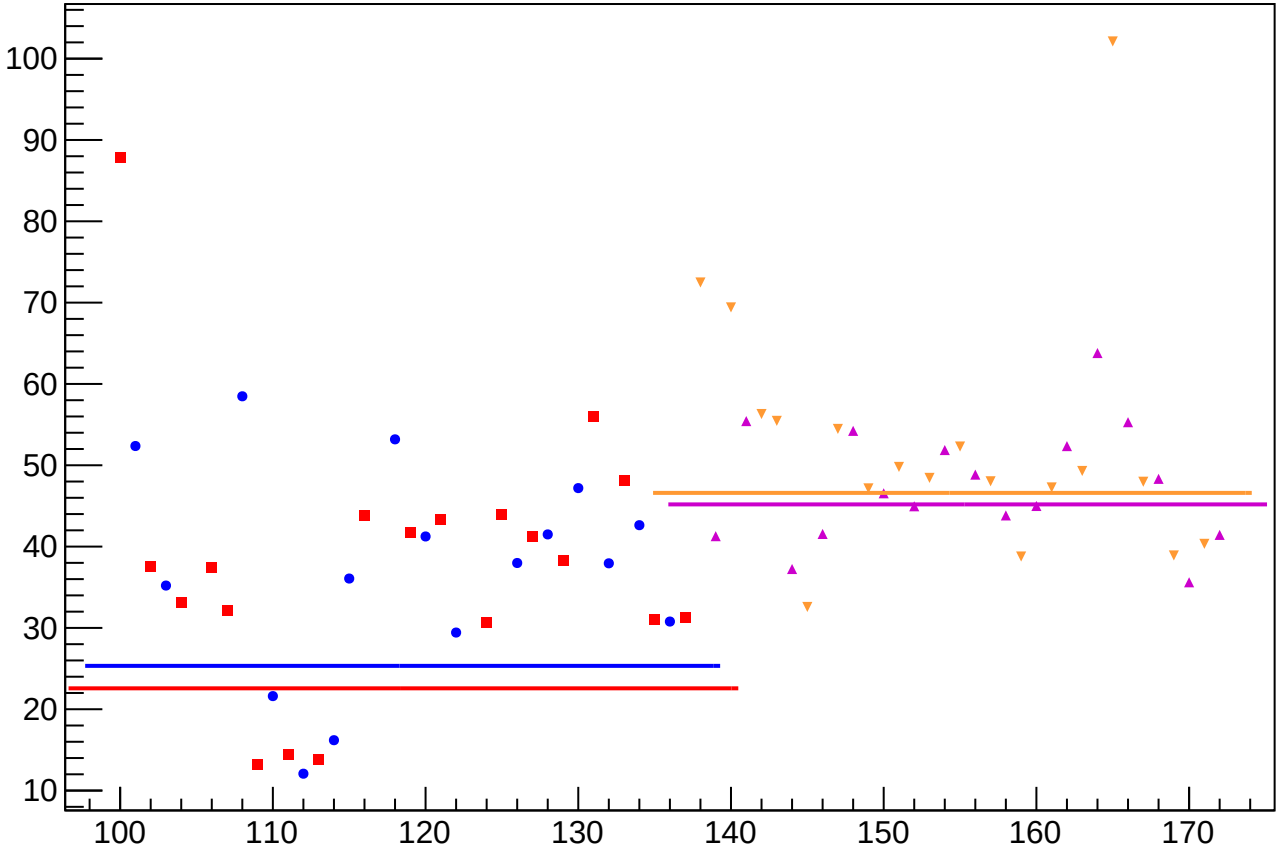
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:39.4/32

Out: -0.009+/-0.008 χ^2/NDF:35.5/36

All: 0.003+/-0.006 χ^2/NDF: 79.8/69

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 46.604+/-0.009 χ^2/NDF:1285949.8/17

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: 45.879+/-0.006 χ^2/NDF: 1821737.9/34

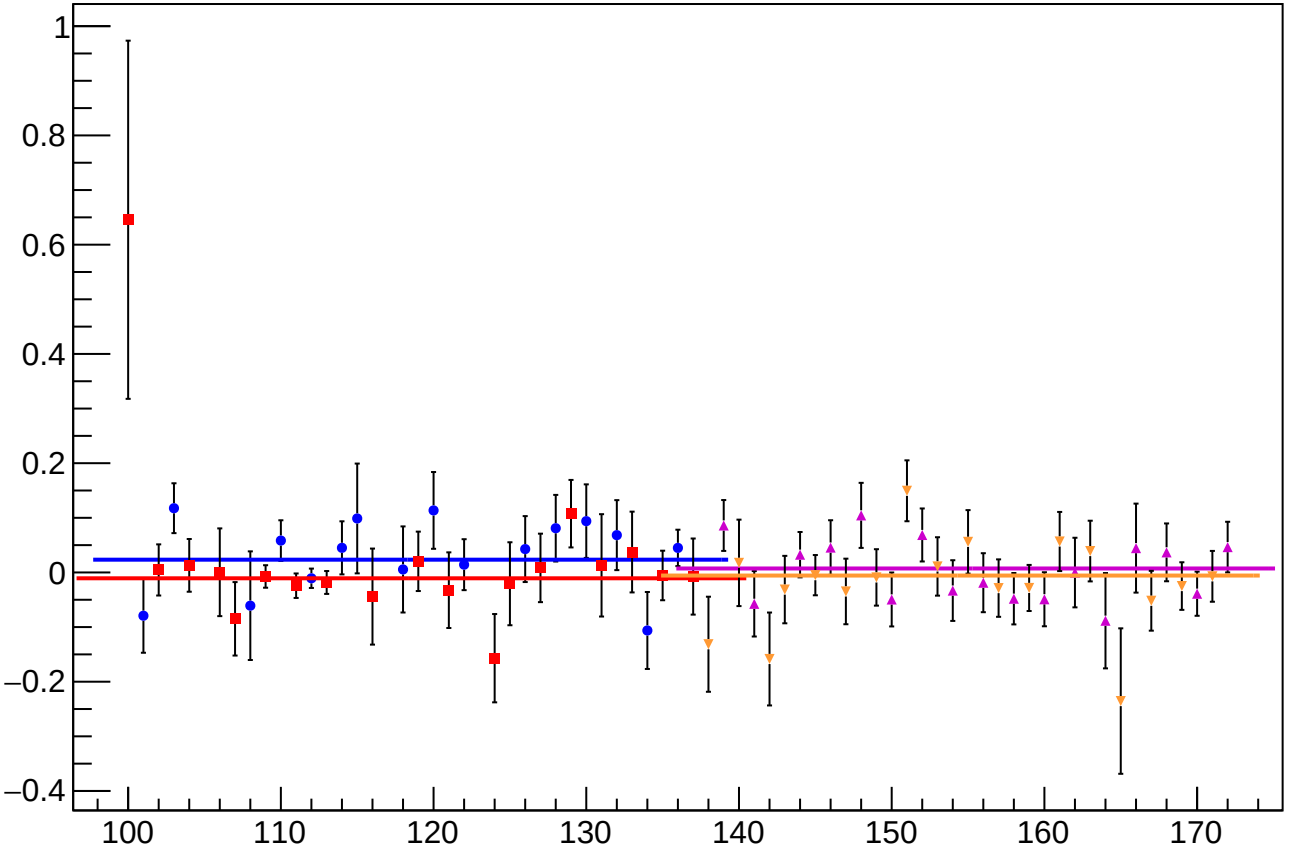
Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 34.004+/-0.006 χ^2/NDF:6258758.8/32

Out: 31.377+/-0.006 χ^2/NDF:8830929.4/36

All: 32.608+/-0.004 χ^2/NDF: 15195983.2/69

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.006+/-0.013 χ^2/NDF:21.1/17

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.013 χ^2/NDF:17.8/16

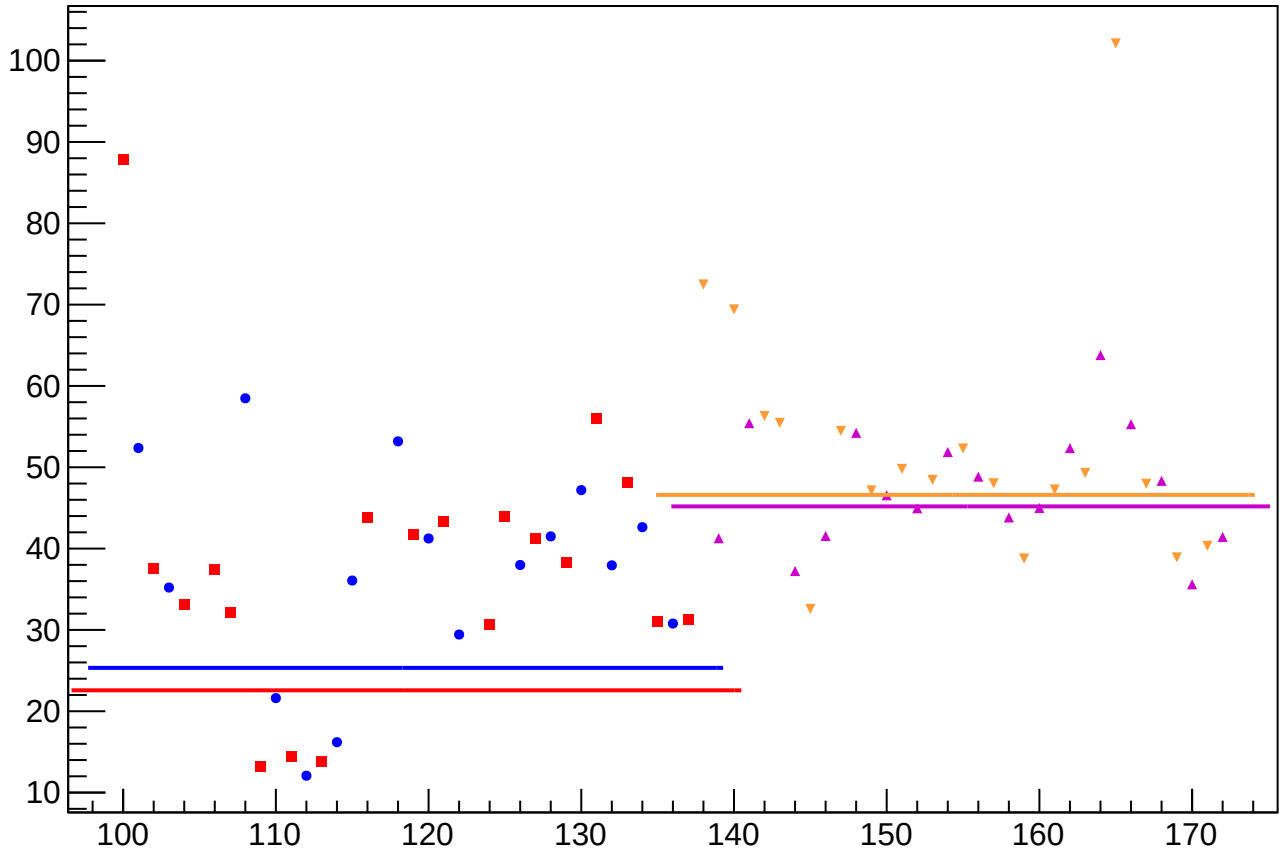
Left: 0.001+/-0.009 χ^2/NDF: 39.4/34

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:35.5/36

All: 0.003+/-0.006 χ^2/NDF: 79.8/69



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 46.604+/-0.009 χ^2/NDF:1285949.8/17

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.189+/-0.009 χ^2/NDF:523426.1/16

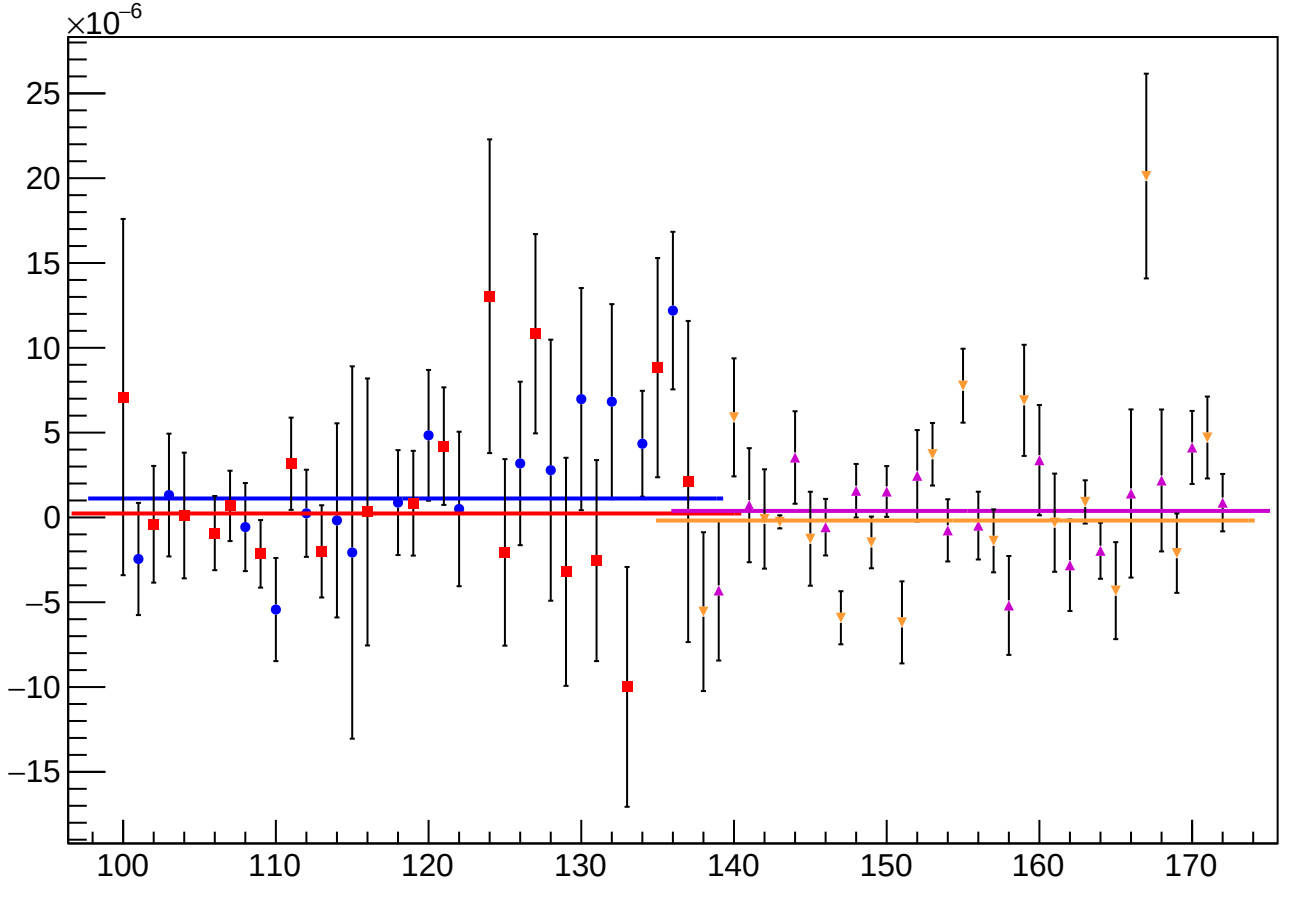
Left: 45.879+/-0.006 χ^2/NDF: 1821737.9/34

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 34.004+/-0.006 χ^2/NDF:6258758.8/32

Out: 31.377+/-0.006 χ^2/NDF:8830929.4/36

All: 32.608+/-0.004 χ^2/NDF: 15195983.2/69



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:66.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.000 χ^2/NDF:16.5/16

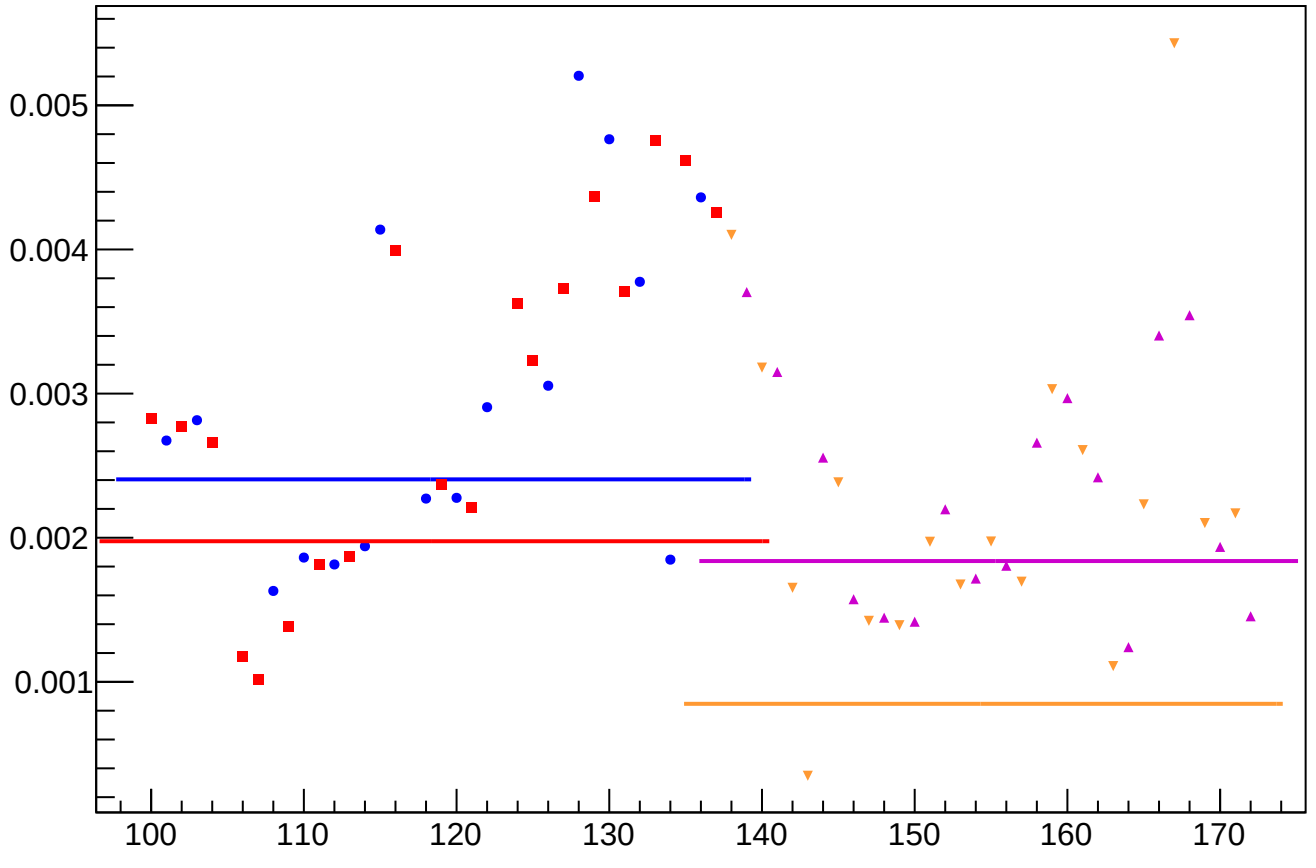
Left: -0.000+/-0.000 χ^2/NDF: 84.1/34

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:82.0/36

All: 0.000+/-0.000 χ^2/NDF: 116.8/69



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:12792684.1/17

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: 20585546.6/34

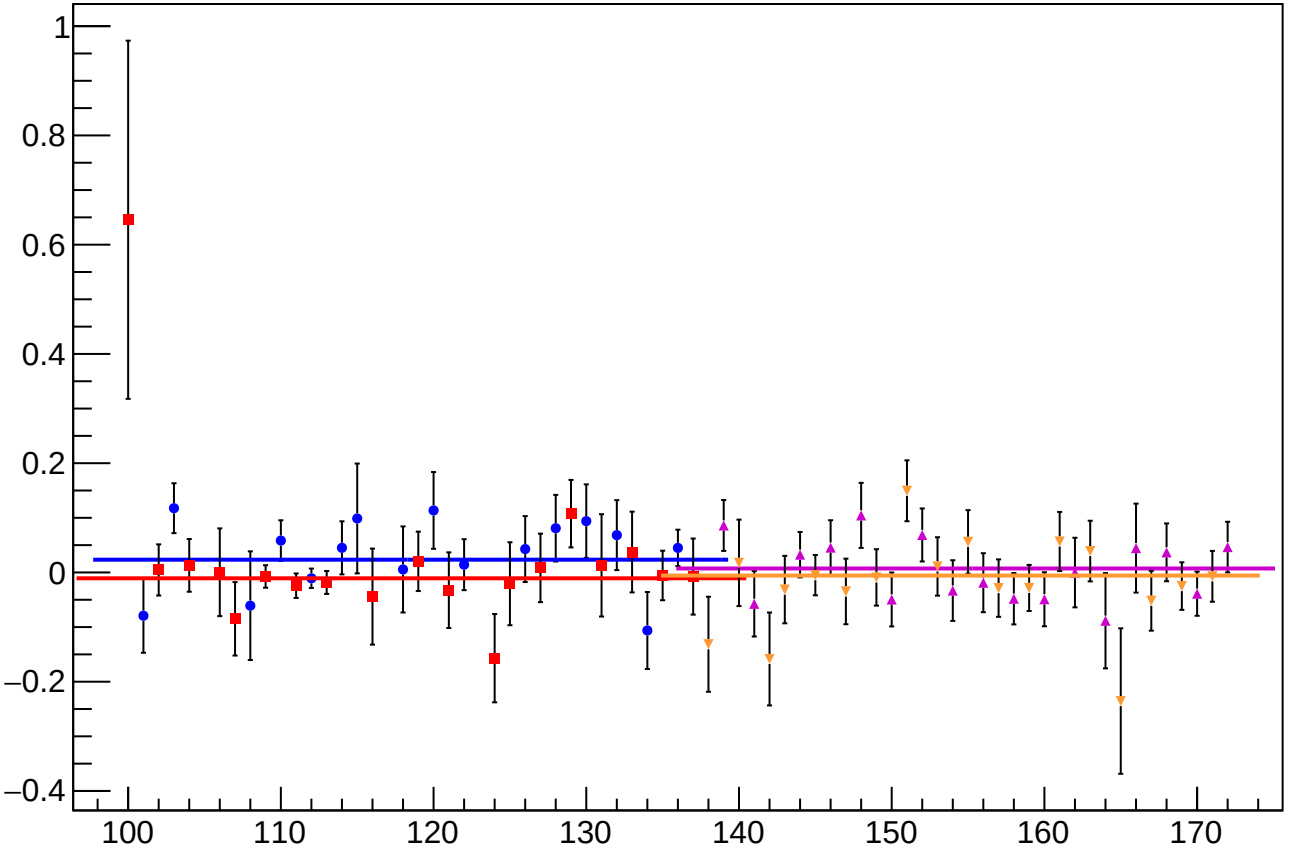
Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:4730730.1/32

Out: 0.001+/-0.000 χ^2/NDF:18924856.6/36

All: 0.001+/-0.000 χ^2/NDF: 30034896.6/69

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.006+/-0.013 χ^2/NDF:21.1/17

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.007+/-0.013 χ^2/NDF:17.8/16

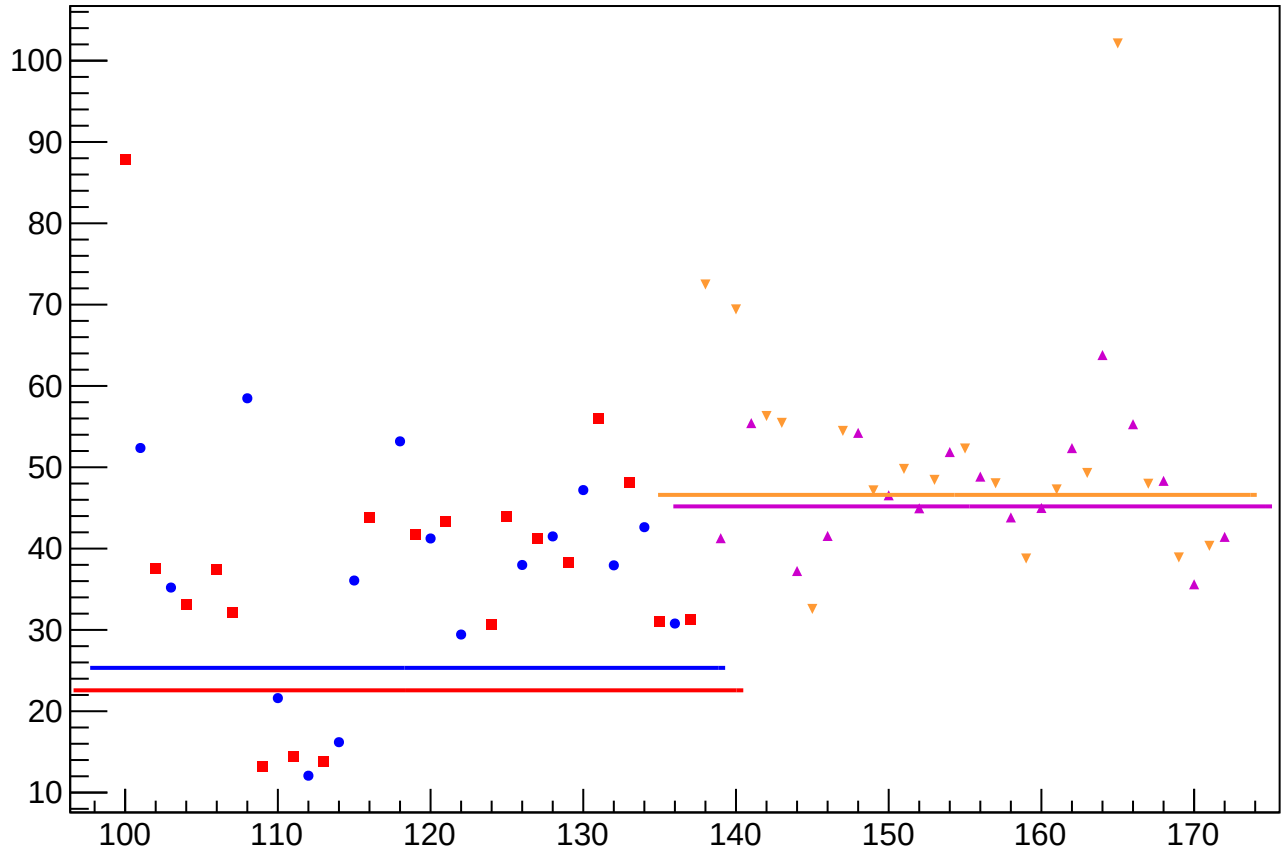
Left: 0.001+/-0.009 χ^2/NDF: 39.4/34

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:35.5/36

All: 0.003+/-0.006 χ^2/NDF: 79.8/69



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 46.605+/-0.009 χ^2/NDF:1285923.9/17

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: 45.879+/-0.006 χ^2/NDF: 1821725.2/34

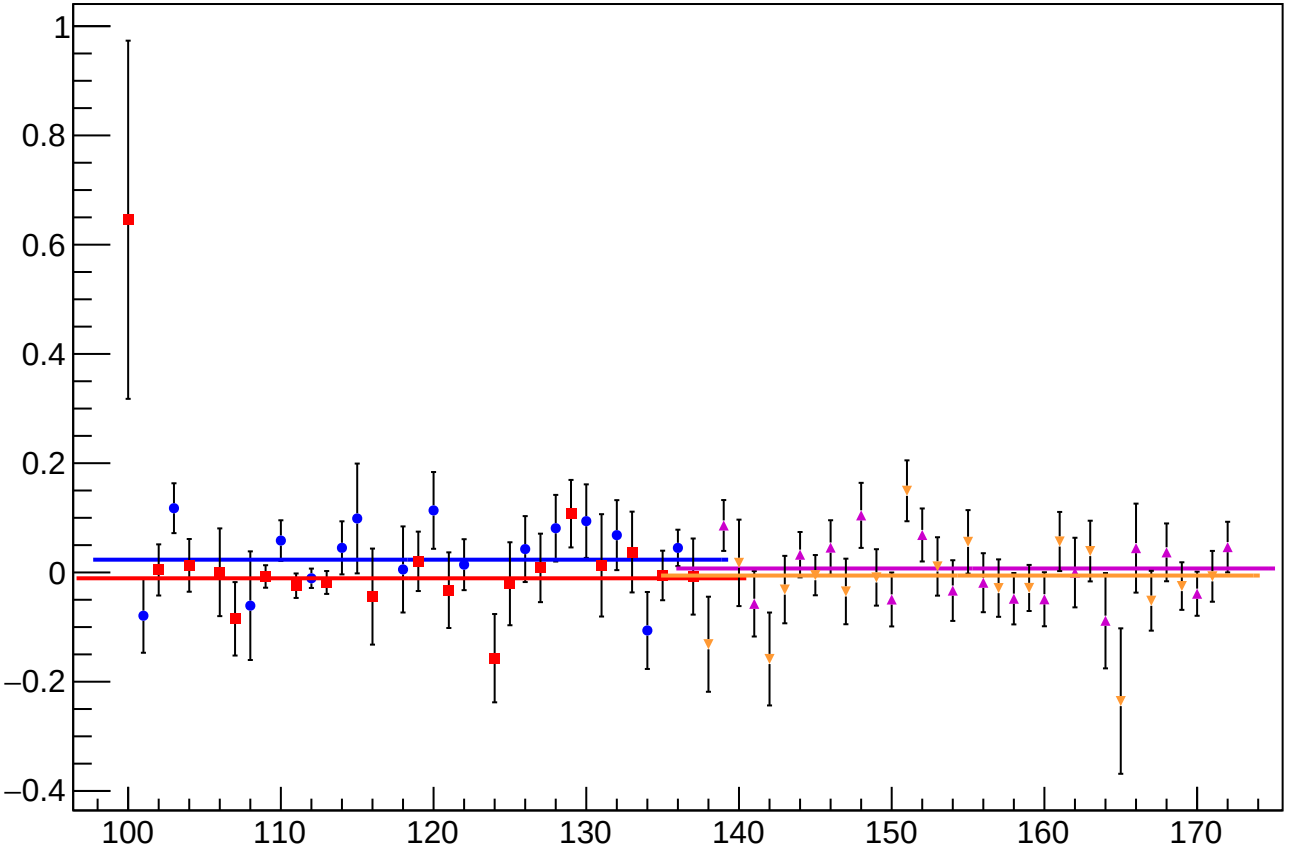
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 34.003+/-0.006 χ^2/NDF:6259697.3/32

Out: 31.376+/-0.006 χ^2/NDF:8831275.8/36

All: 32.608+/-0.004 χ^2/NDF: 15197210.4/69

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.006+/-0.013 χ^2/NDF:21.1/17

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: 0.001+/-0.009 χ^2/NDF: 39.4/34

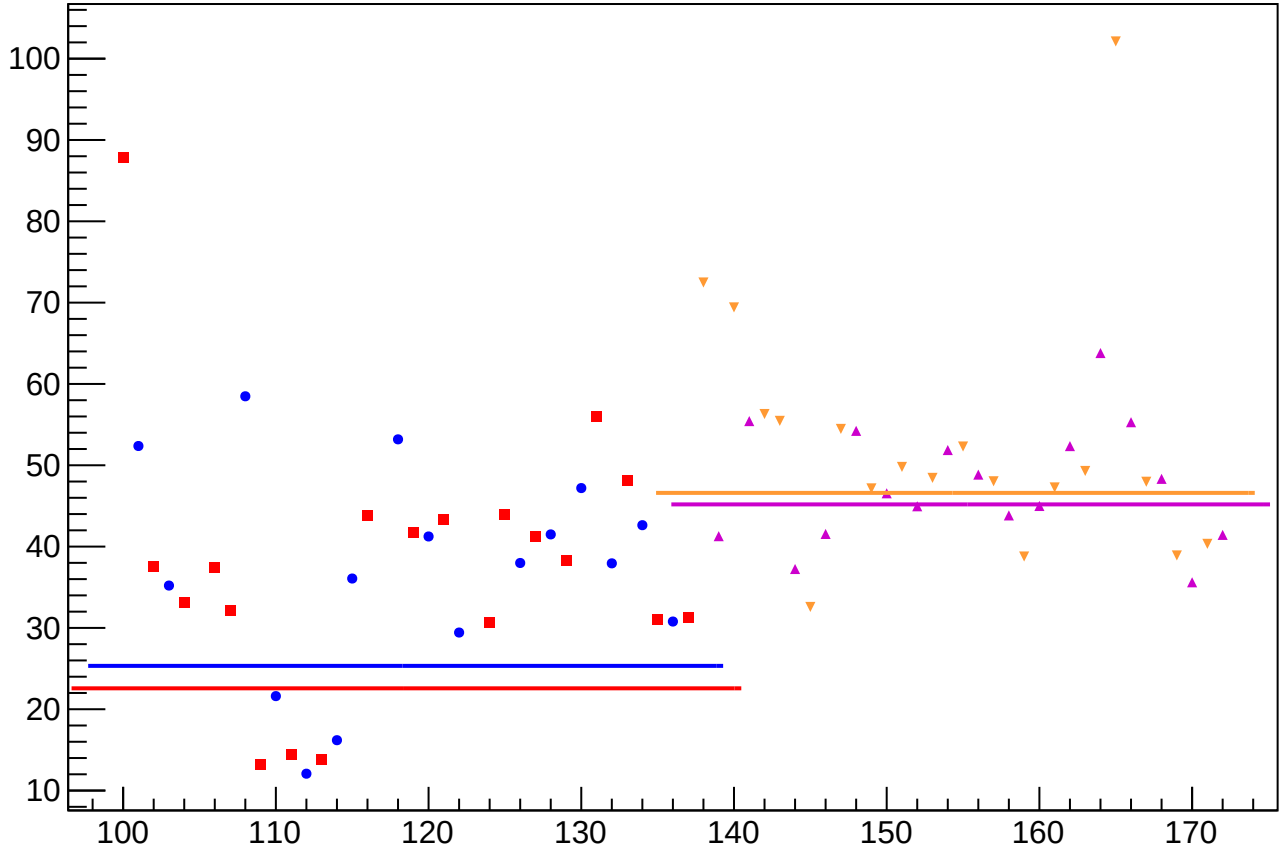
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.016+/-0.008 χ^2/NDF:39.4/32

Out: -0.009+/-0.008 χ^2/NDF:35.5/36

All: 0.003+/-0.006 χ^2/NDF: 79.8/69

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: 46.605+/-0.009 χ^2/NDF:1285923.9/17

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.189+/-0.009 χ^2/NDF:523438.3/16

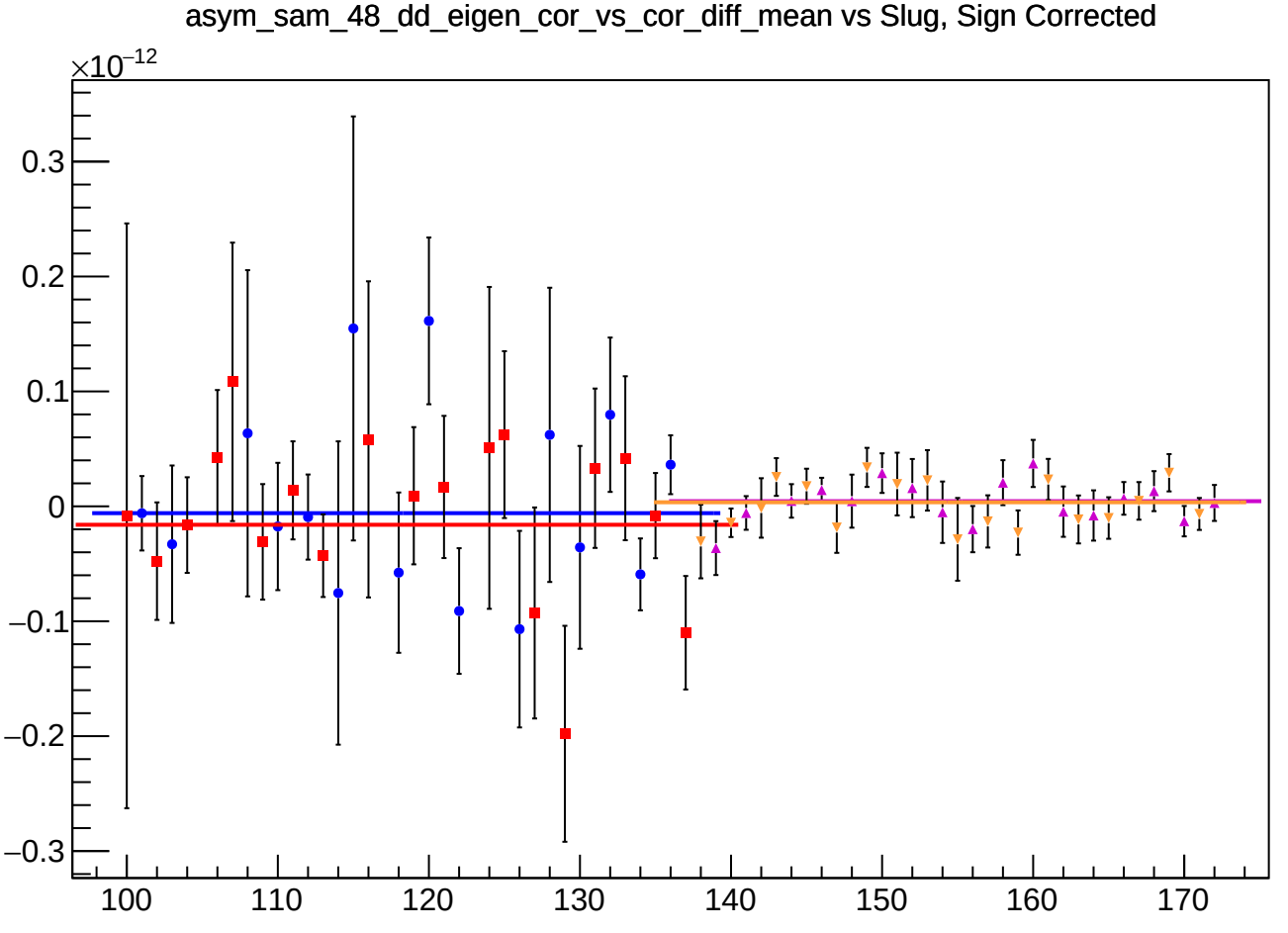
Left: 45.879+/-0.006 χ^2/NDF: 1821725.2/34

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 34.003+/-0.006 χ^2/NDF:6259697.3/32

Out: 31.376+/-0.006 χ^2/NDF:8831275.8/36

All: 32.608+/-0.004 χ^2/NDF: 15197210.4/69



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.5/17

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.9/16

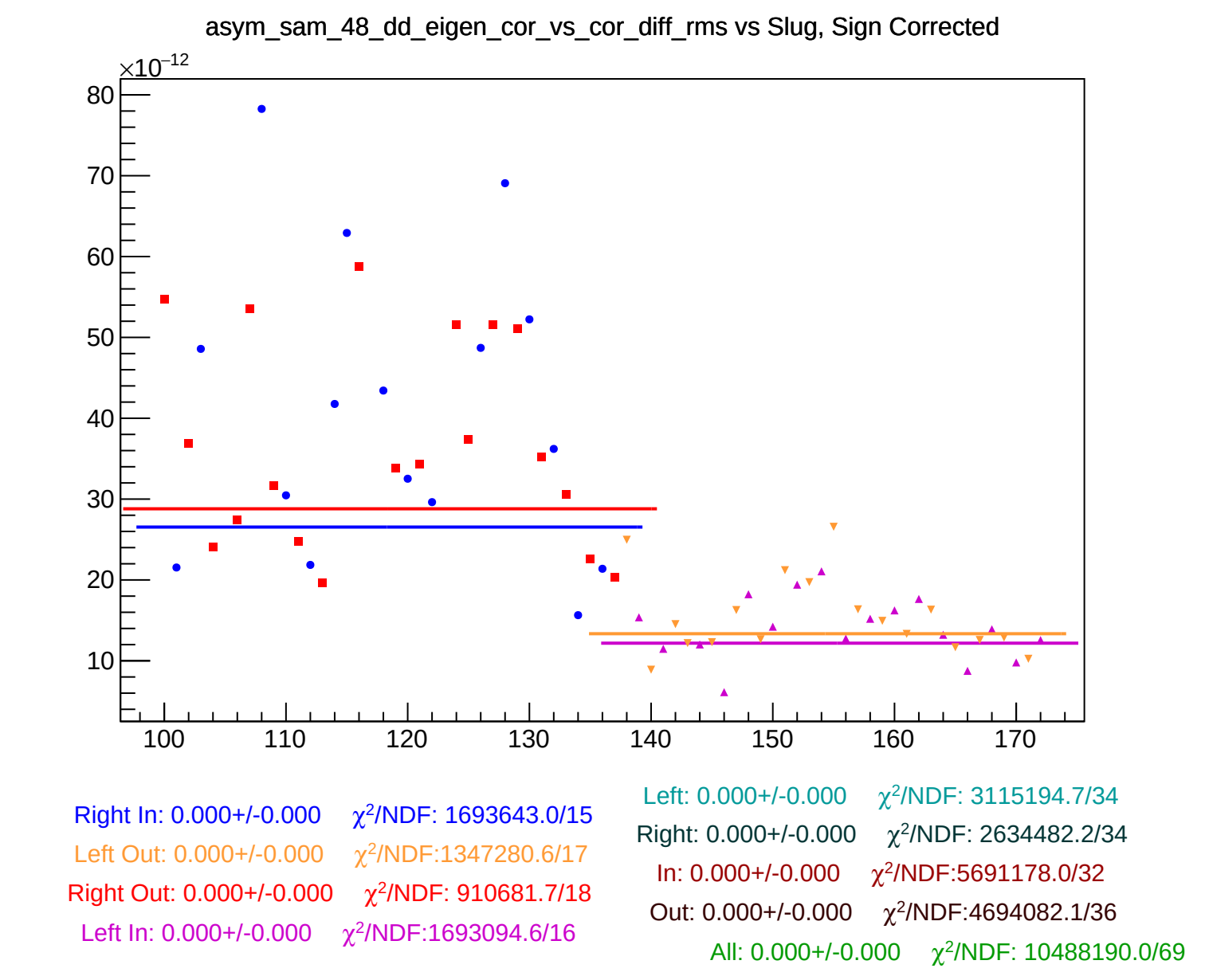
Left: 0.000+/-0.000 χ^2/NDF: 33.4/34

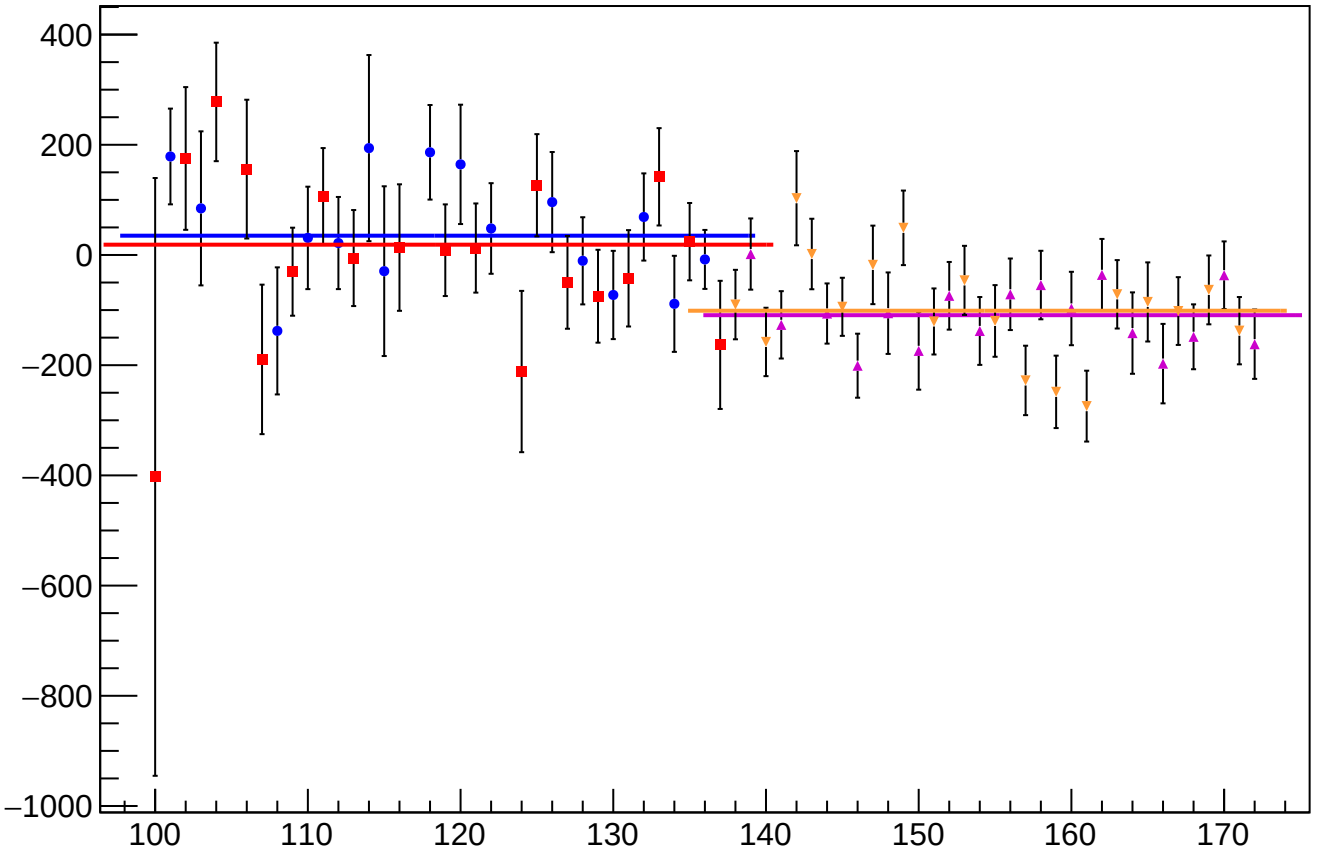
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:33.3/32

Out: 0.000+/-0.000 χ^2/NDF:36.4/36

All: 0.000+/-0.000 χ^2/NDF: 69.8/69


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:1347280.6/17
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: 3115194.7/34
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:4694082.1/36
All: 0.000+/-0.000 χ²/NDF: 10488190.0/69



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -101.165+/-15.068 χ^2/NDF:33.7/17

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: -105.109+/-10.786 χ^2/NDF: 47.4/34

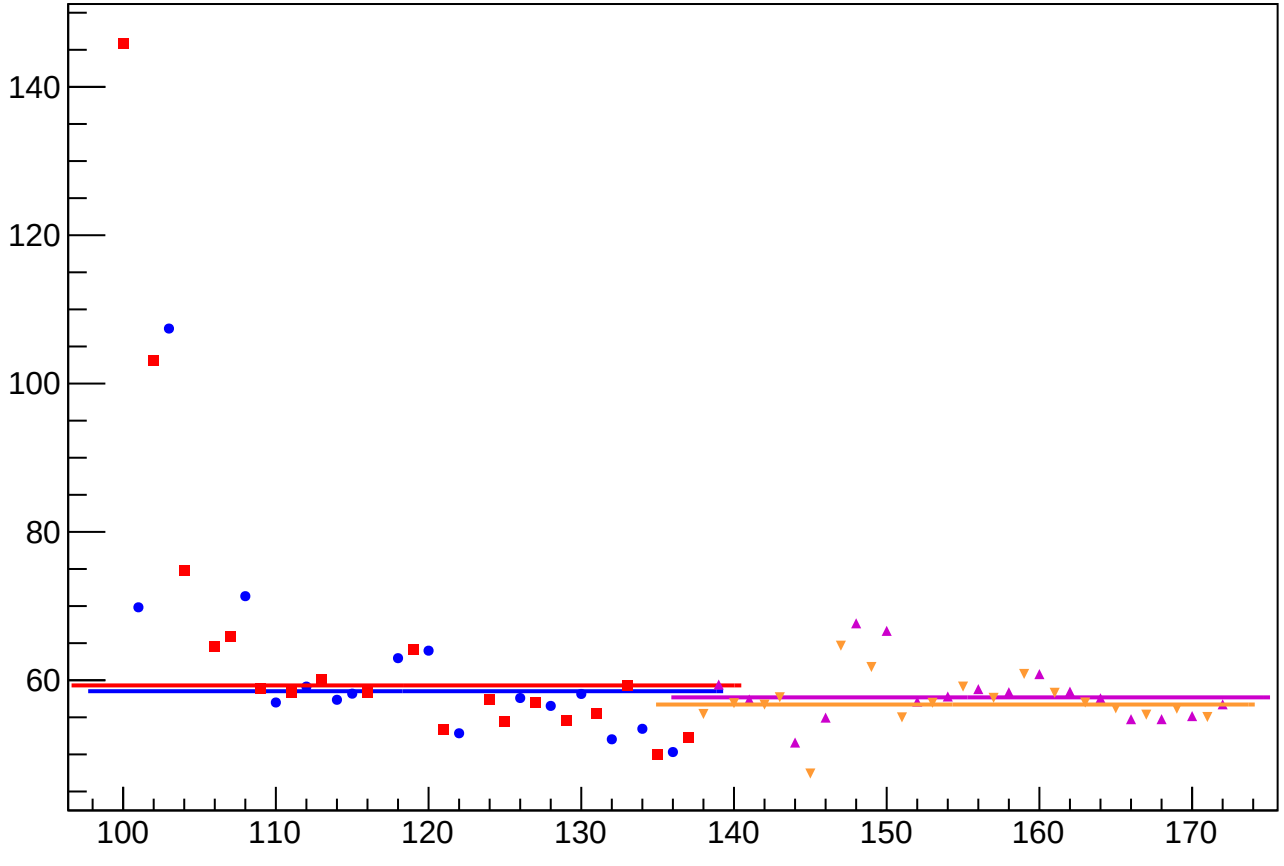
Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -62.001+/-12.667 χ^2/NDF:58.3/32

Out: -63.215+/-12.456 χ^2/NDF:77.3/36

All: -62.619+/-8.882 χ^2/NDF: 135.6/69

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 58.522+/-0.016 χ^2/NDF: 392742.4/15

Left Out: 56.726+/-0.011 χ^2/NDF:116301.5/17

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 57.691+/-0.011 χ^2/NDF:117559.8/16

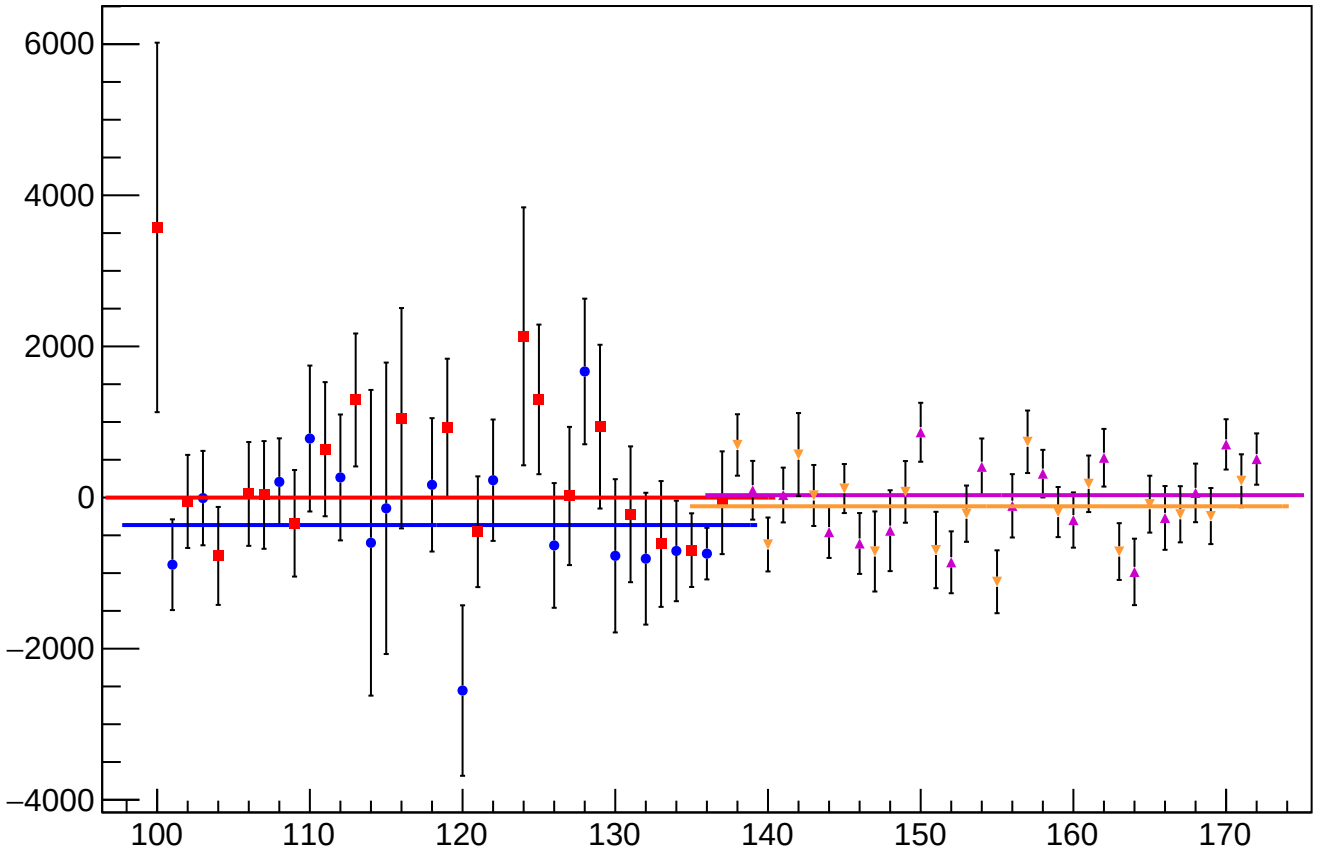
Left: 57.196+/-0.008 χ^2/NDF: 237858.4/34

Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 57.963+/-0.009 χ^2/NDF:512197.4/32

Out: 57.541+/-0.009 χ^2/NDF:541408.8/36

All: 57.749+/-0.006 χ^2/NDF: 1054731.7/69



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -115.559+/-91.984 χ^2/NDF:25.4/17

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: -42.292+/-65.152 χ^2/NDF: 57.7/34

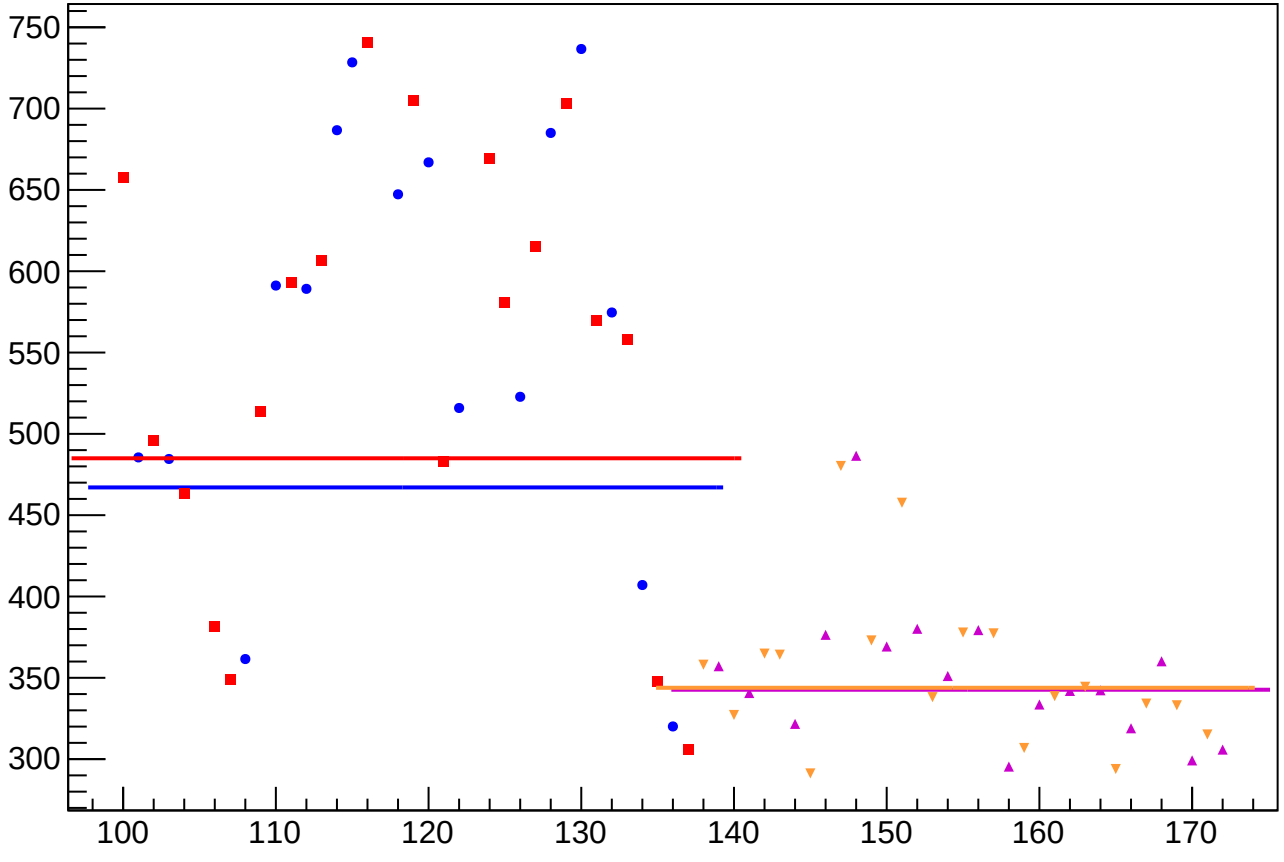
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -50.439+/-82.185 χ^2/NDF:50.0/32

Out: -92.384+/-82.193 χ^2/NDF:40.8/36

All: -71.410+/-58.117 χ^2/NDF: 91.0/69

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: 343.866+/-0.065 χ^2/NDF:415338.1/17

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 342.660+/-0.065 χ^2/NDF:325685.6/16

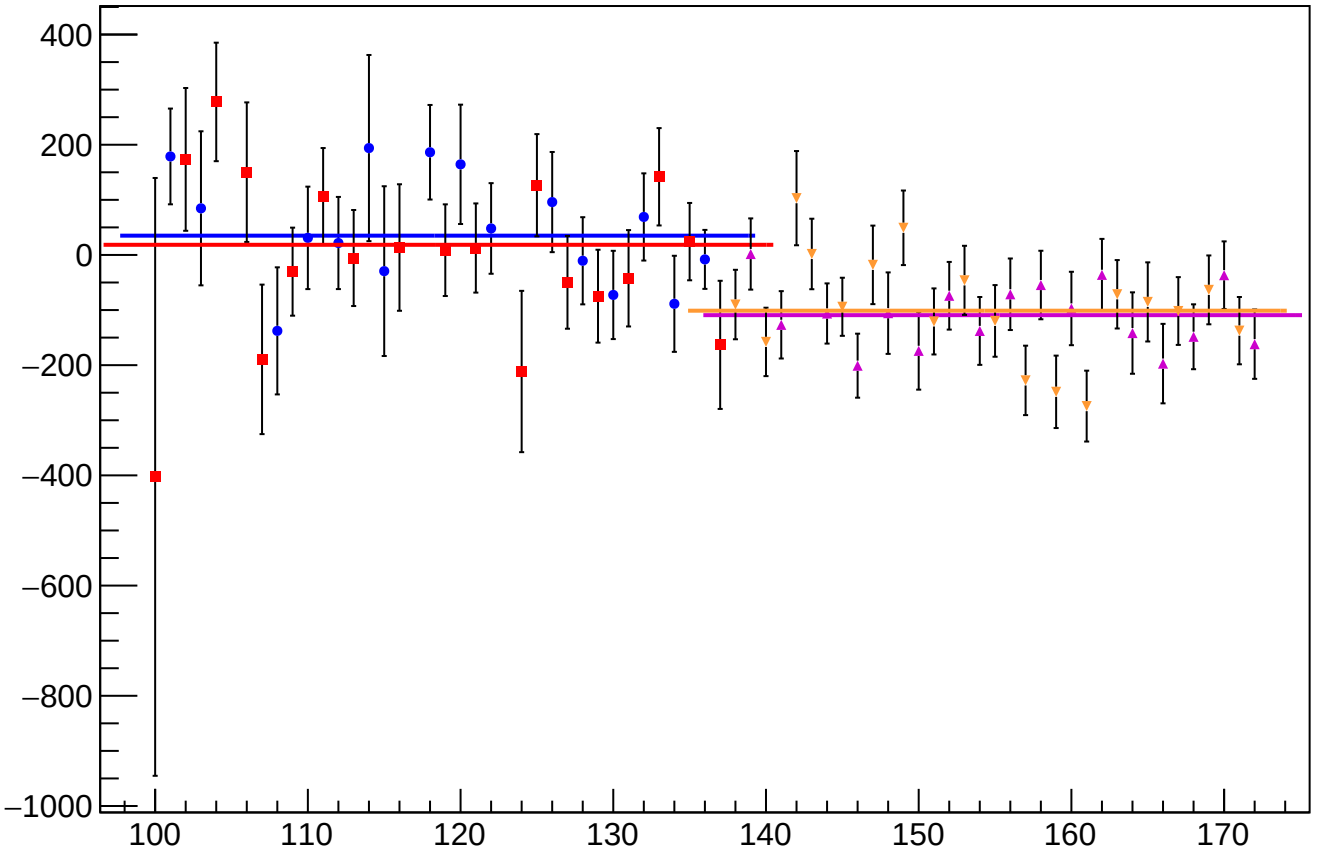
Left: 343.265+/-0.046 χ^2/NDF: 741194.9/34

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 368.424+/-0.058 χ^2/NDF:2108471.5/32

Out: 372.307+/-0.058 χ^2/NDF:2238128.2/36

All: 370.365+/-0.041 χ^2/NDF: 4348832.2/69



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -101.163+/-15.068 χ^2/NDF:33.7/17

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -109.254+/-15.447 χ^2/NDF:13.5/16

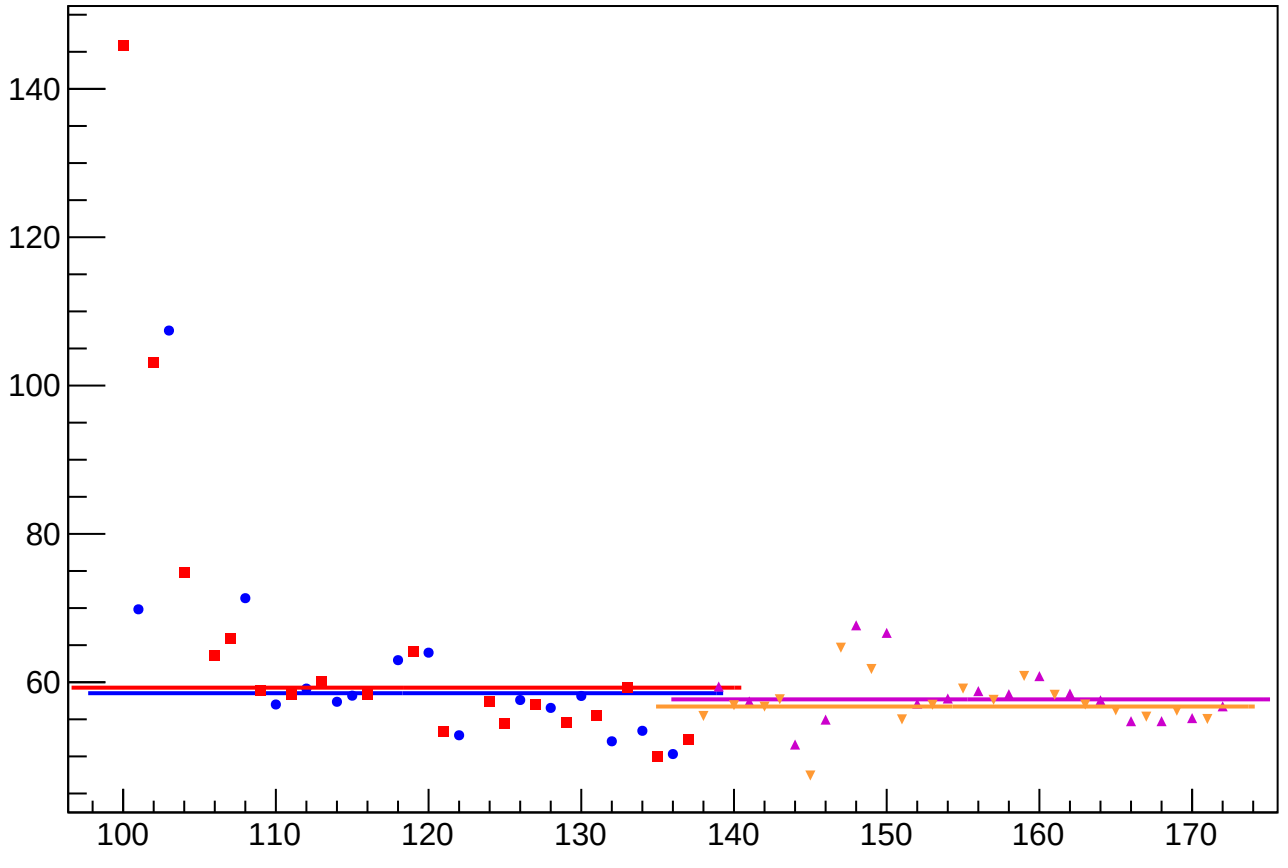
Left: -105.108+/-10.786 χ^2/NDF: 47.4/34

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -62.003+/-12.667 χ^2/NDF:58.3/32

Out: -63.310+/-12.457 χ^2/NDF:77.0/36

All: -62.667+/-8.882 χ^2/NDF: 135.3/69



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.726+/-0.011 χ^2/NDF:116301.5/17

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: 57.196+/-0.008 χ^2/NDF: 237858.4/34

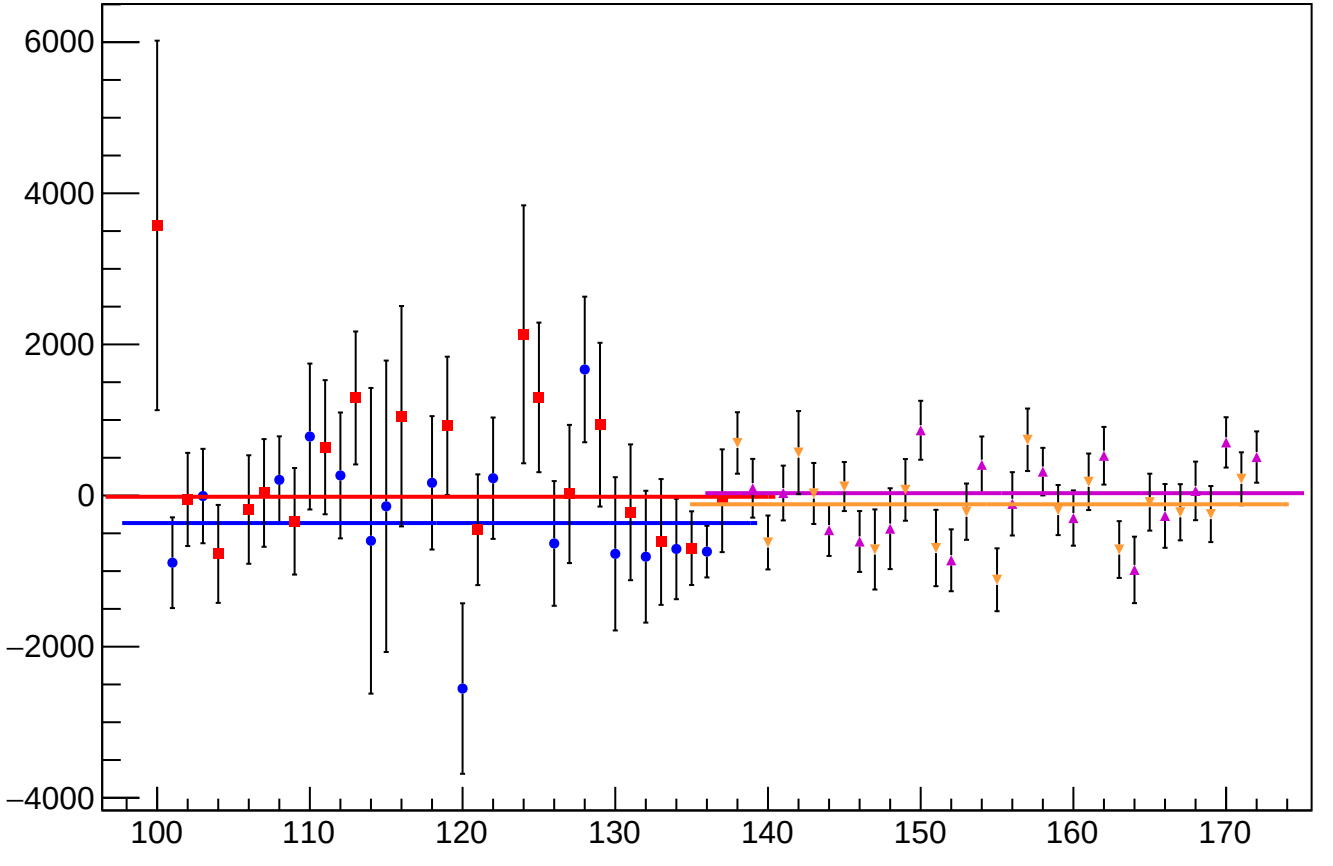
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.963+/-0.009 χ^2/NDF:512199.5/32

Out: 57.531+/-0.009 χ^2/NDF:539954.7/36

All: 57.743+/-0.006 χ^2/NDF: 1053335.2/69

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: -115.559+/-91.984 χ^2/NDF:25.4/17

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 31.473+/-92.296 χ^2/NDF:31.0/16

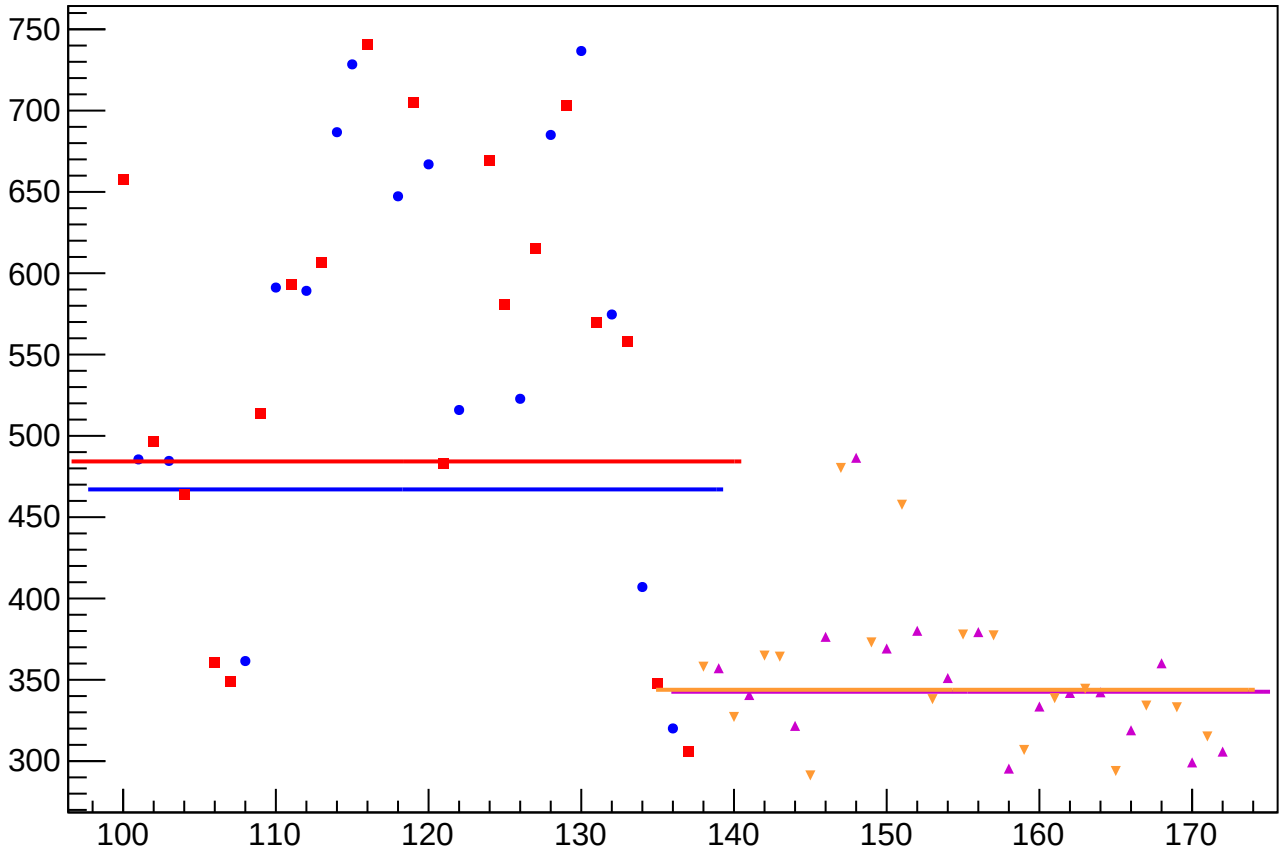
Left: -42.292+/-65.152 χ^2/NDF: 57.7/34

Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -50.432+/-82.186 χ^2/NDF:50.0/32

Out: -95.610+/-82.244 χ^2/NDF:40.8/36

All: -73.005+/-58.135 χ^2/NDF: 91.0/69



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 343.867+/-0.065 χ^2/NDF:415337.1/17

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 342.661+/-0.065 χ^2/NDF:325687.6/16

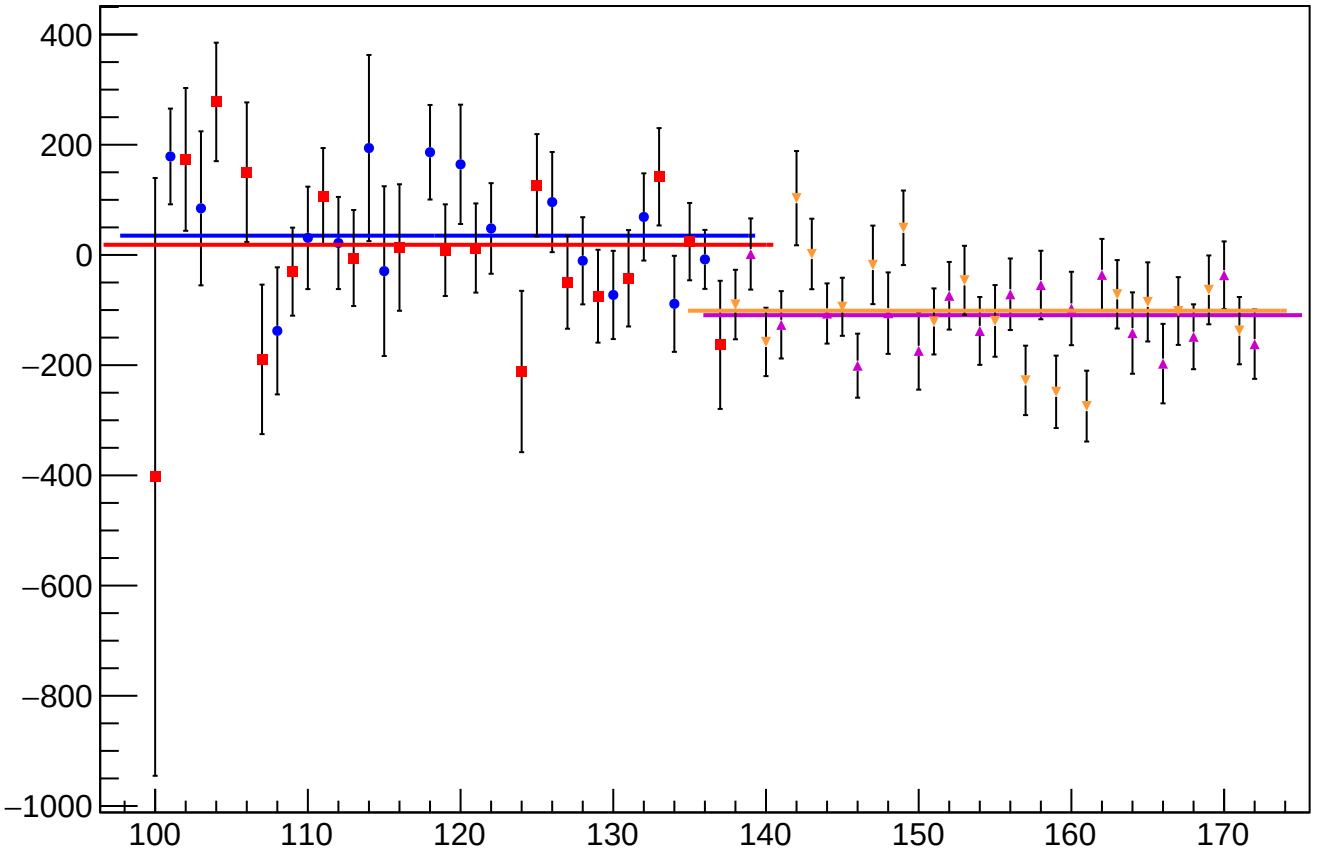
Left: 343.266+/-0.046 χ^2/NDF: 741195.9/34

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 368.424+/-0.058 χ^2/NDF:2108499.2/32

Out: 372.025+/-0.058 χ^2/NDF:2238710.6/36

All: 370.223+/-0.041 χ^2/NDF: 4349128.7/69



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -101.163+/-15.068 χ^2/NDF:33.7/17

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -109.254+/-15.447 χ^2/NDF:13.5/16

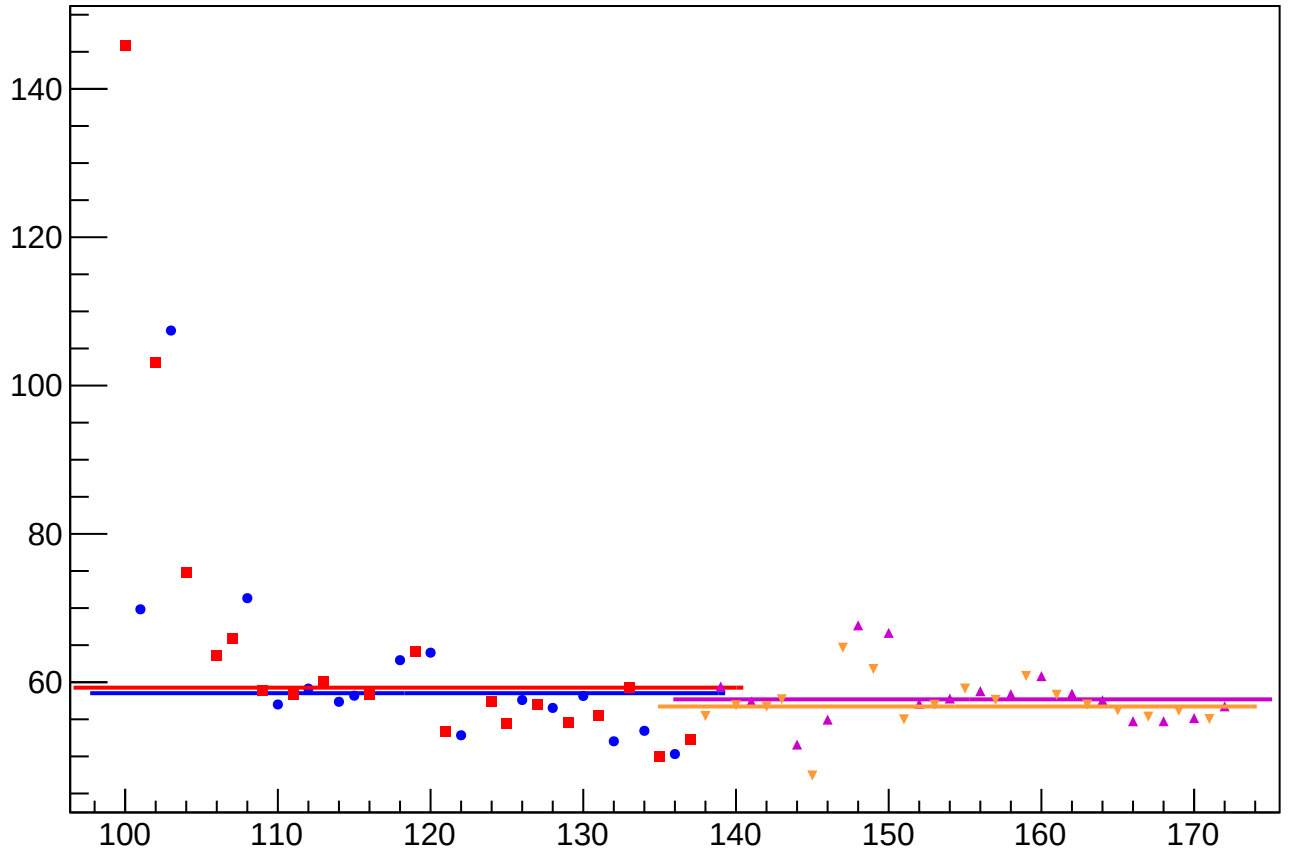
Left: -105.108+/-10.786 χ^2/NDF: 47.4/34

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -62.003+/-12.667 χ^2/NDF:58.3/32

Out: -63.310+/-12.457 χ^2/NDF:77.0/36

All: -62.667+/-8.882 χ^2/NDF: 135.3/69



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.726+/-0.011 χ^2/NDF:116301.5/17

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: 57.196+/-0.008 χ^2/NDF: 237858.4/34

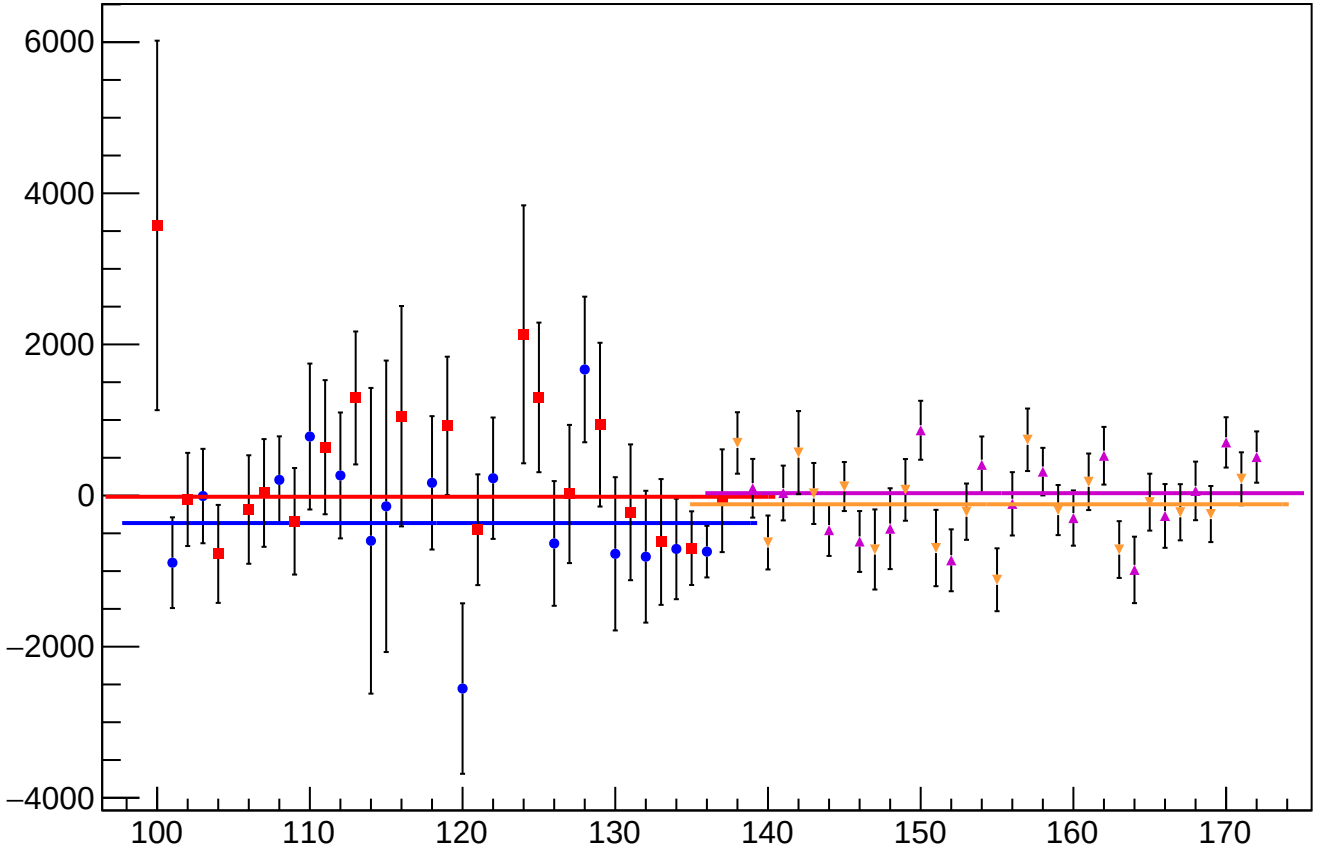
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.963+/-0.009 χ^2/NDF:512199.5/32

Out: 57.531+/-0.009 χ^2/NDF:539954.7/36

All: 57.743+/-0.006 χ^2/NDF: 1053335.2/69

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: -115.559+/-91.984 χ^2/NDF:25.4/17

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: -42.292+/-65.152 χ^2/NDF: 57.7/34

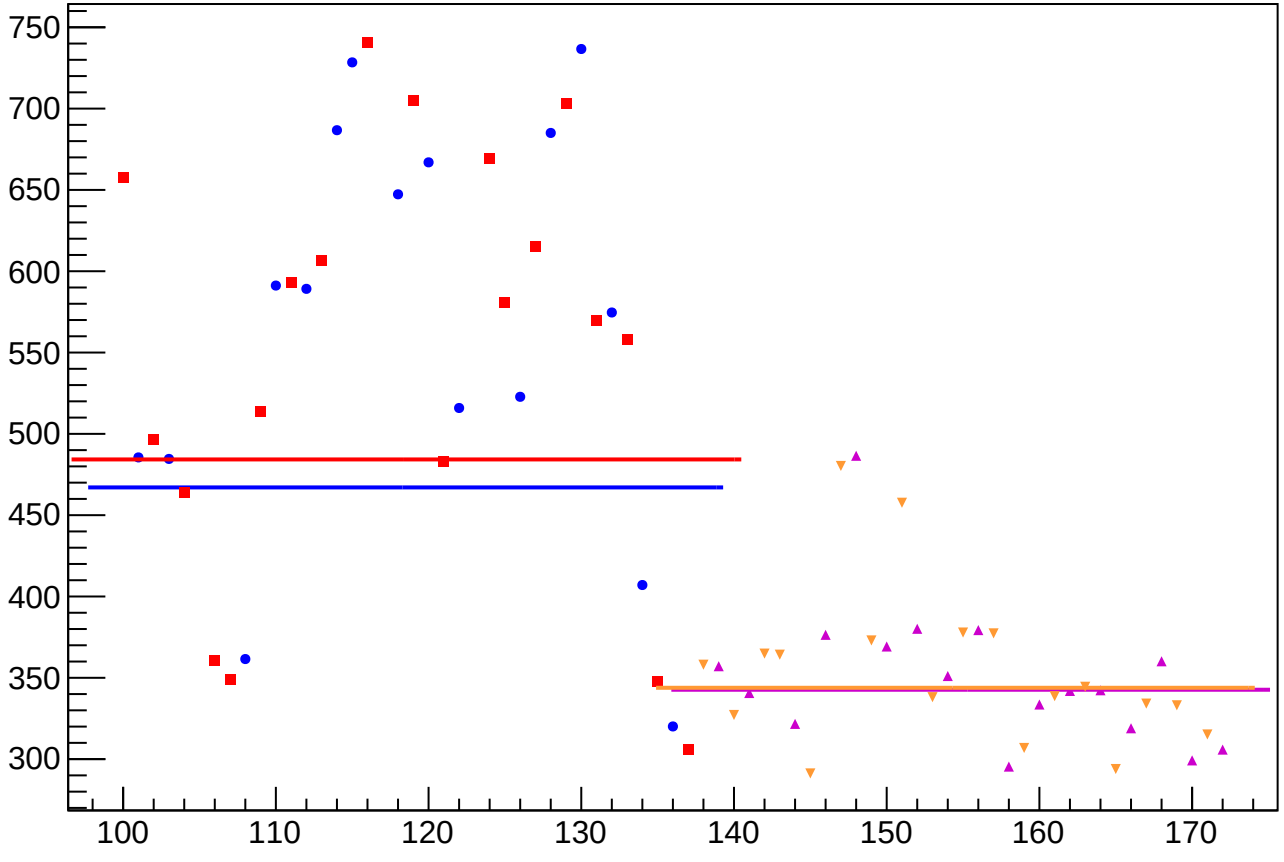
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -50.432+/-82.186 χ^2/NDF:50.0/32

Out: -95.610+/-82.244 χ^2/NDF:40.8/36

All: -73.005+/-58.135 χ^2/NDF: 91.0/69

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: 343.867+/-0.065 χ^2/NDF:415337.1/17

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 342.661+/-0.065 χ^2/NDF:325687.6/16

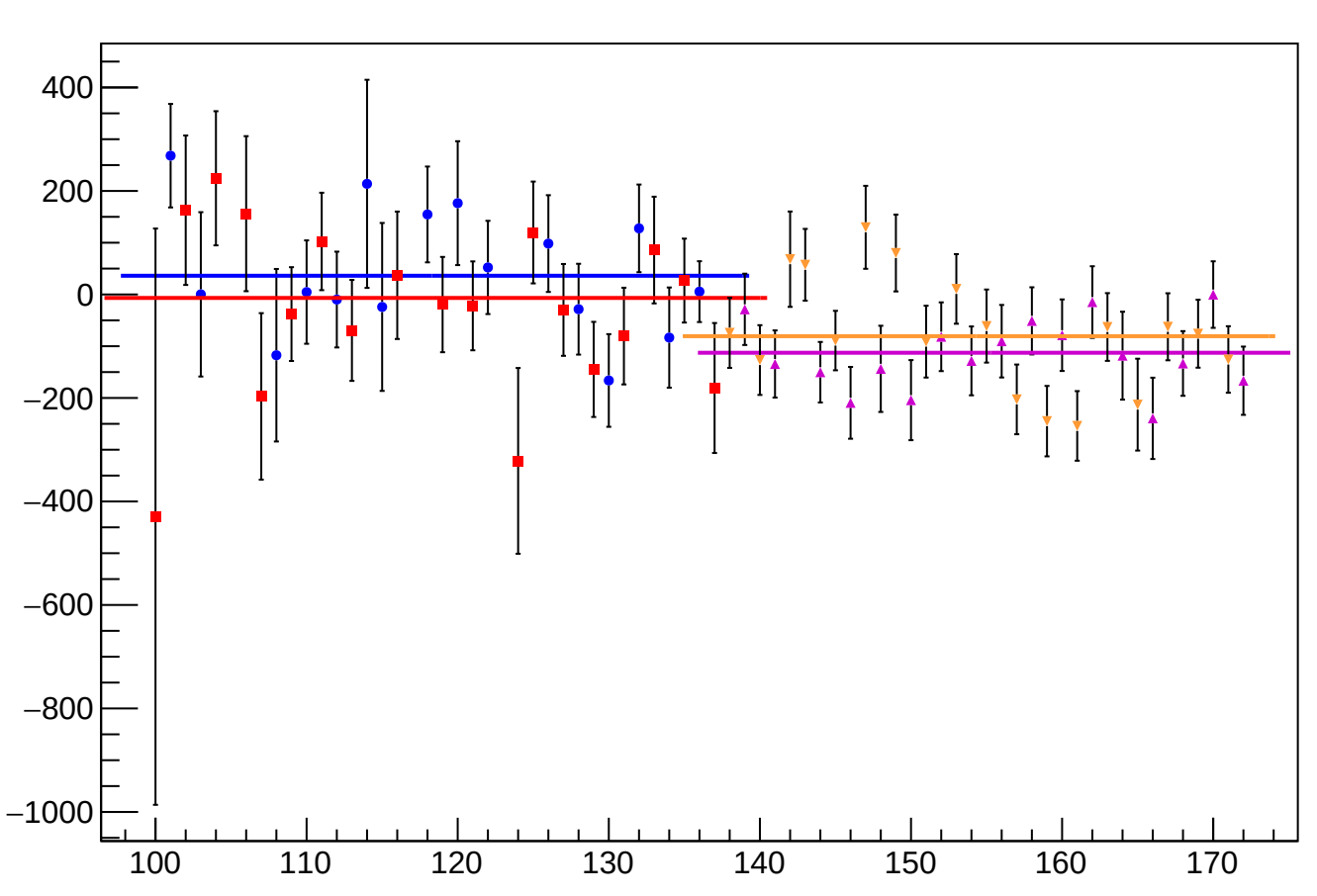
Left: 343.266+/-0.046 χ^2/NDF: 741195.9/34

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 368.424+/-0.058 χ^2/NDF:2108499.2/32

Out: 372.025+/-0.058 χ^2/NDF:2238710.6/36

All: 370.223+/-0.041 χ^2/NDF: 4349128.7/69



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -80.639+/-16.300 χ^2/NDF:39.2/17

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -112.655+/-16.667 χ^2/NDF:15.5/16

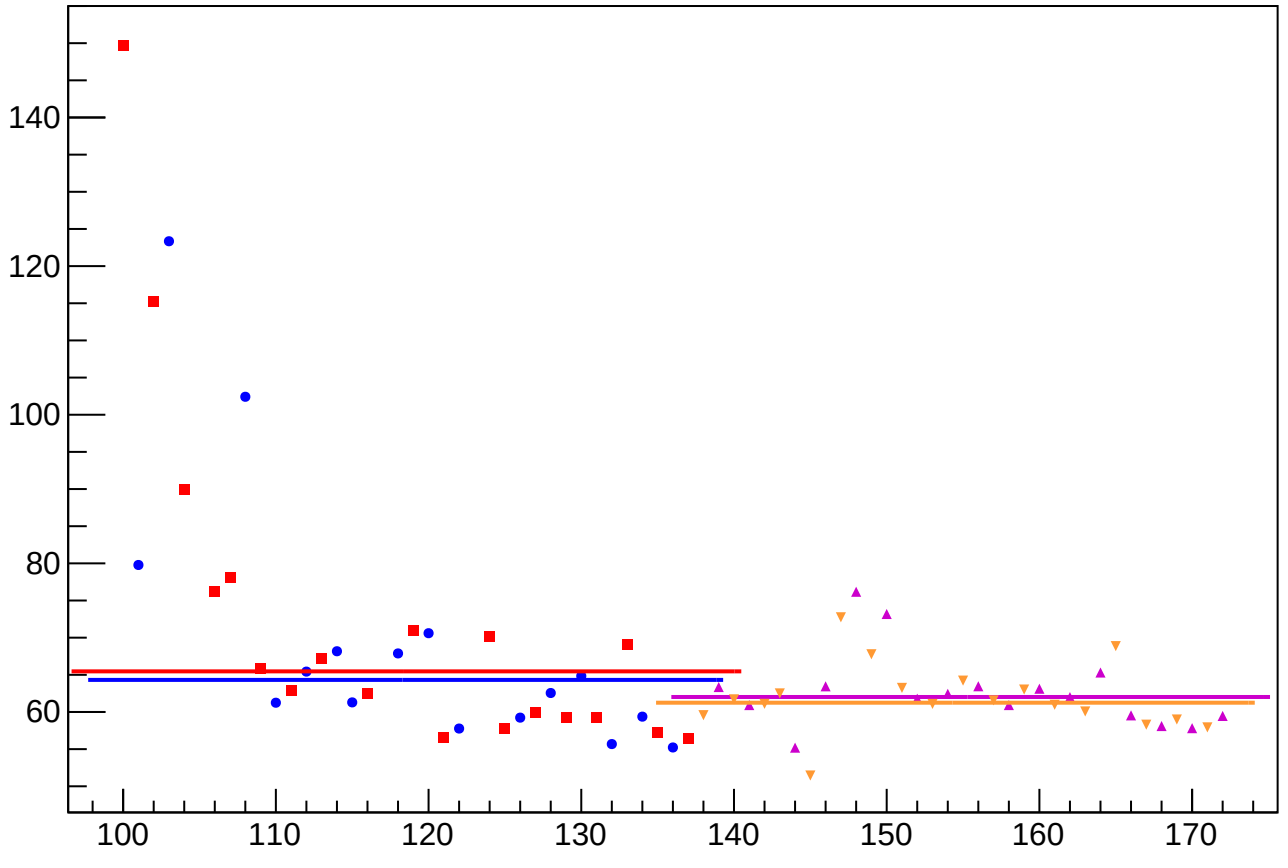
Left: -96.290+/-11.653 χ^2/NDF: 56.5/34

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -65.498+/-13.776 χ^2/NDF:60.4/32

Out: -58.047+/-13.582 χ^2/NDF:65.8/36

All: -61.720+/-9.672 χ^2/NDF: 126.4/69



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.249+/-0.012 χ^2/NDF:150535.8/17

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 62.018+/-0.012 χ^2/NDF:155246.1/16

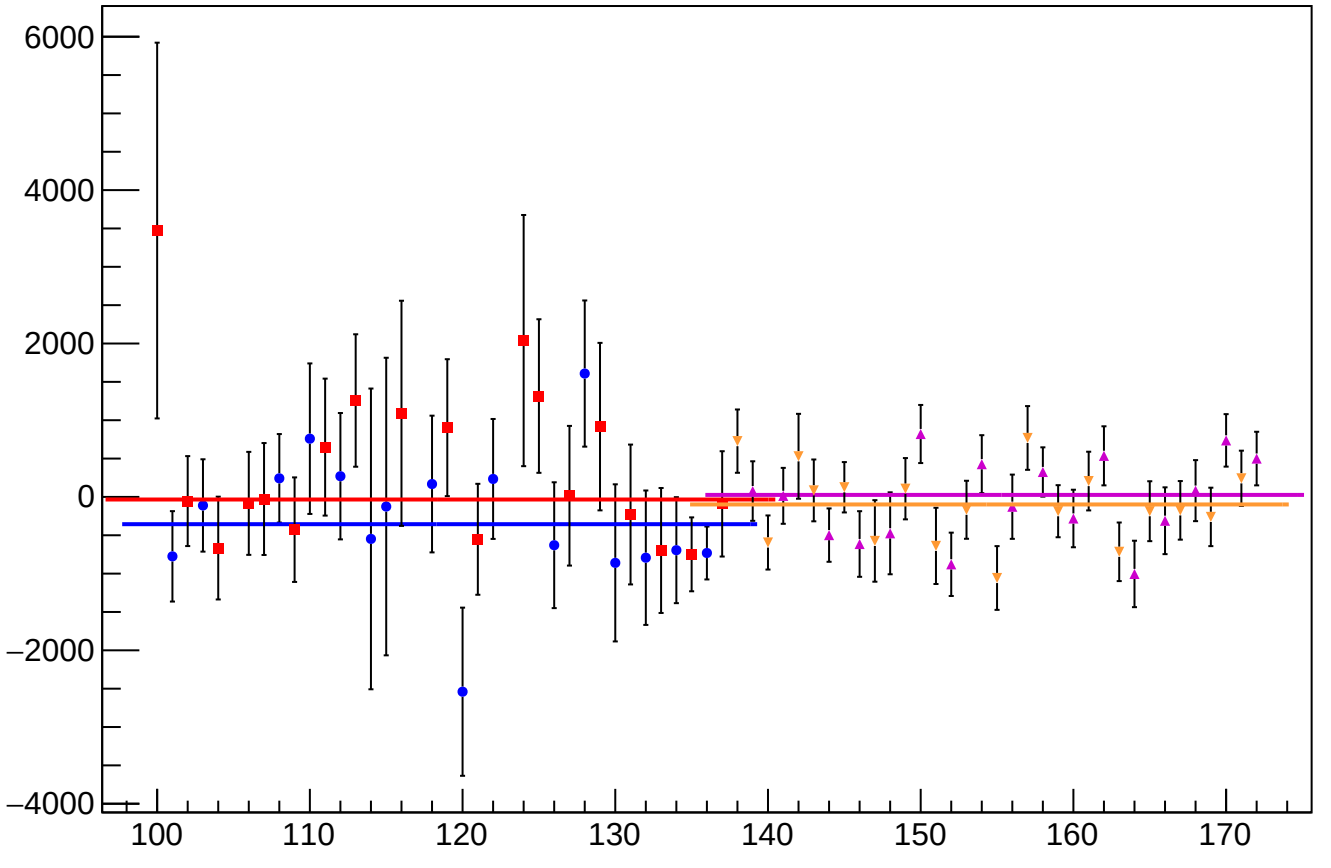
Left: 61.625+/-0.008 χ^2/NDF: 307960.0/34

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 62.746+/-0.010 χ^2/NDF:699362.8/32

Out: 62.538+/-0.010 χ^2/NDF:673828.3/36

All: 62.641+/-0.007 χ^2/NDF: 1373423.2/69



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -98.264+/-93.091 χ^2/NDF:24.4/17

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: -36.386+/-66.006 χ^2/NDF: 56.9/34

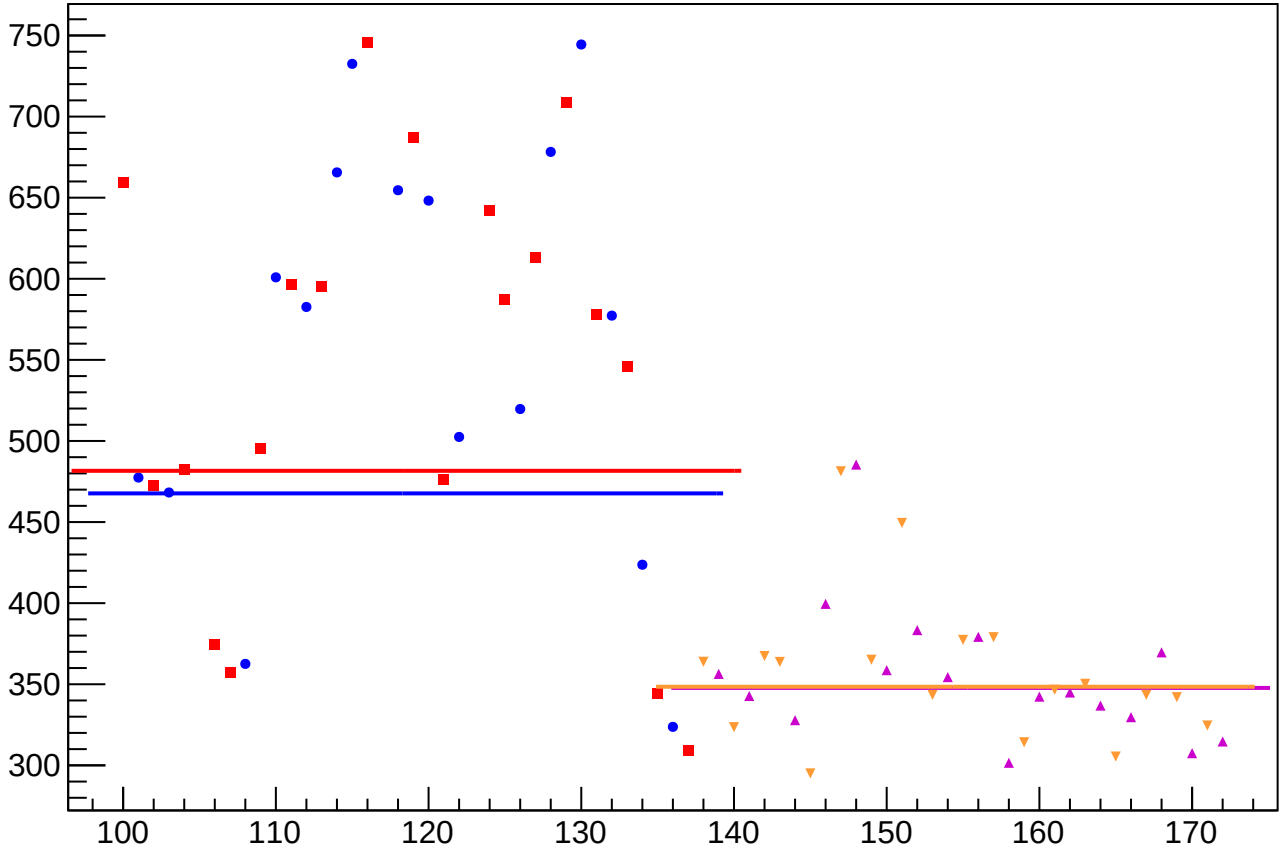
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -54.838+/-83.078 χ^2/NDF:49.9/32

Out: -84.842+/-82.837 χ^2/NDF:39.9/36

All: -69.883+/-58.660 χ^2/NDF: 89.9/69

asym_sam_13_57_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 467.674+/-0.128 χ^2/NDF: 985943.7/15

Left Out: 348.472+/-0.066 χ^2/NDF:357259.4/17

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 347.738+/-0.066 χ^2/NDF:296771.9/16

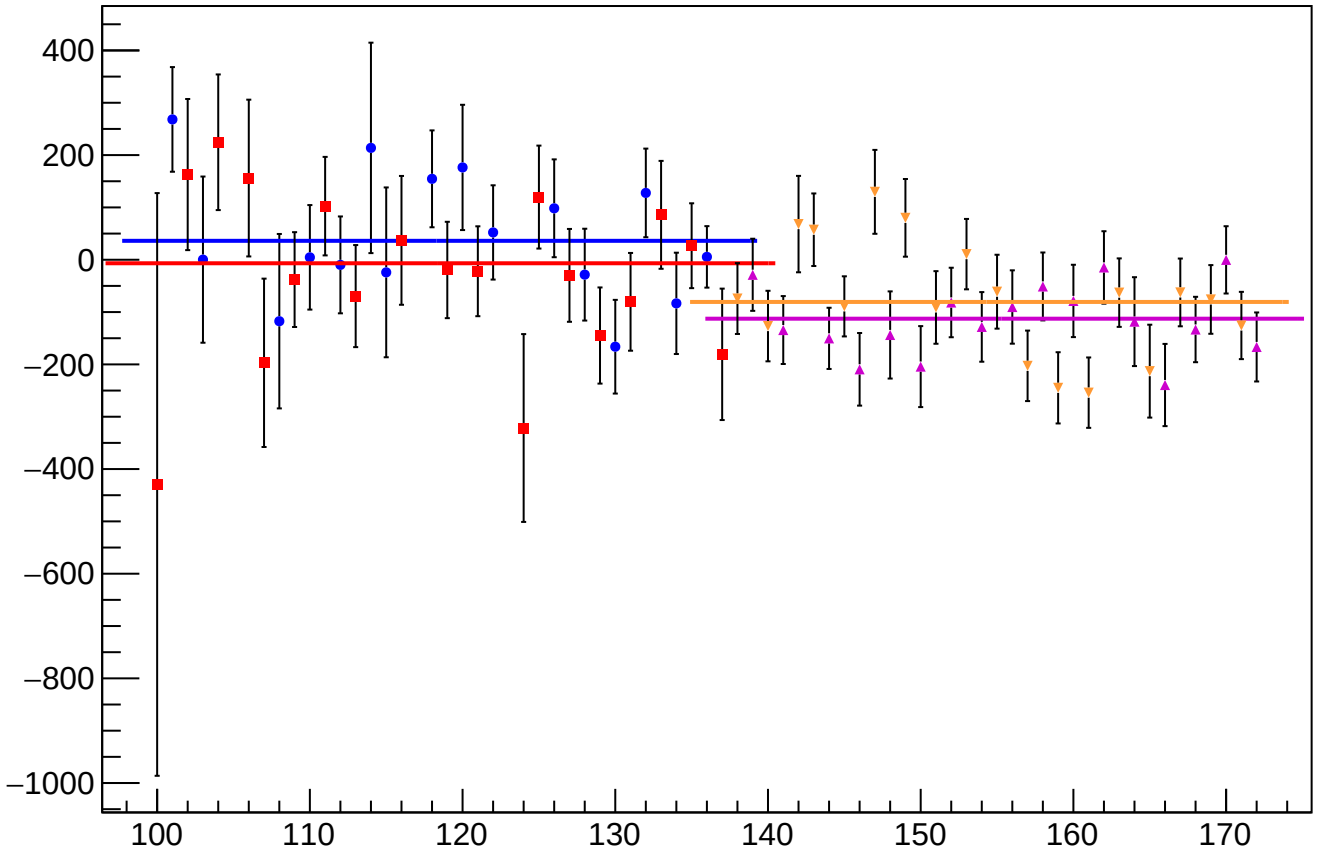
Left: 348.107+/-0.047 χ^2/NDF: 654093.2/34

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 373.192+/-0.059 χ^2/NDF:1979621.3/32

Out: 376.184+/-0.059 χ^2/NDF:2062985.9/36

All: 374.693+/-0.041 χ^2/NDF: 4043908.1/69



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -80.639+/-16.300 χ^2/NDF:39.2/17

Right Out: -6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: -112.655+/-16.667 χ^2/NDF:15.5/16

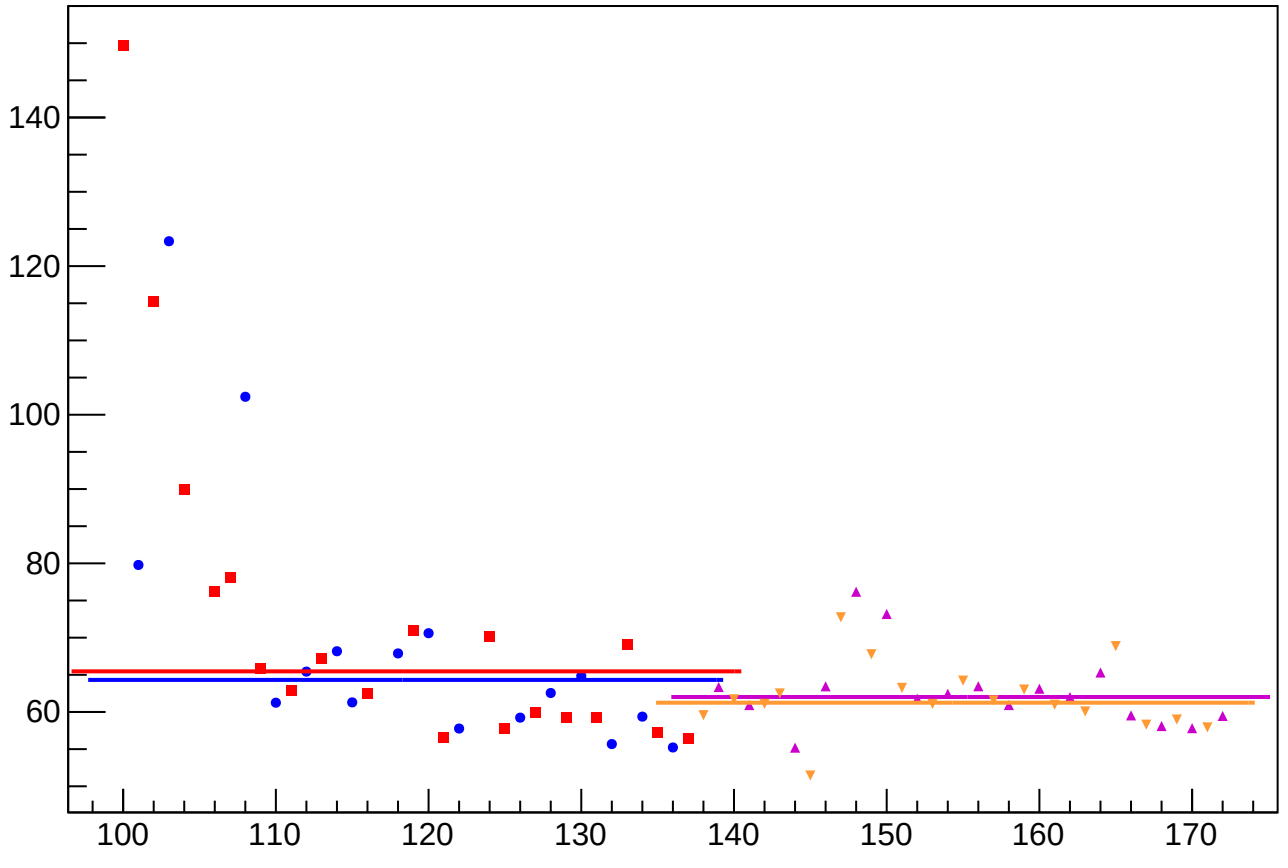
Left: -96.290+/-11.653 χ^2/NDF: 56.5/34

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -65.498+/-13.776 χ^2/NDF:60.4/32

Out: -58.047+/-13.582 χ^2/NDF:65.8/36

All: -61.720+/-9.672 χ^2/NDF: 126.4/69



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.249+/-0.012 χ^2/NDF:150540.7/17

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: 61.625+/-0.008 χ^2/NDF: 307968.3/34

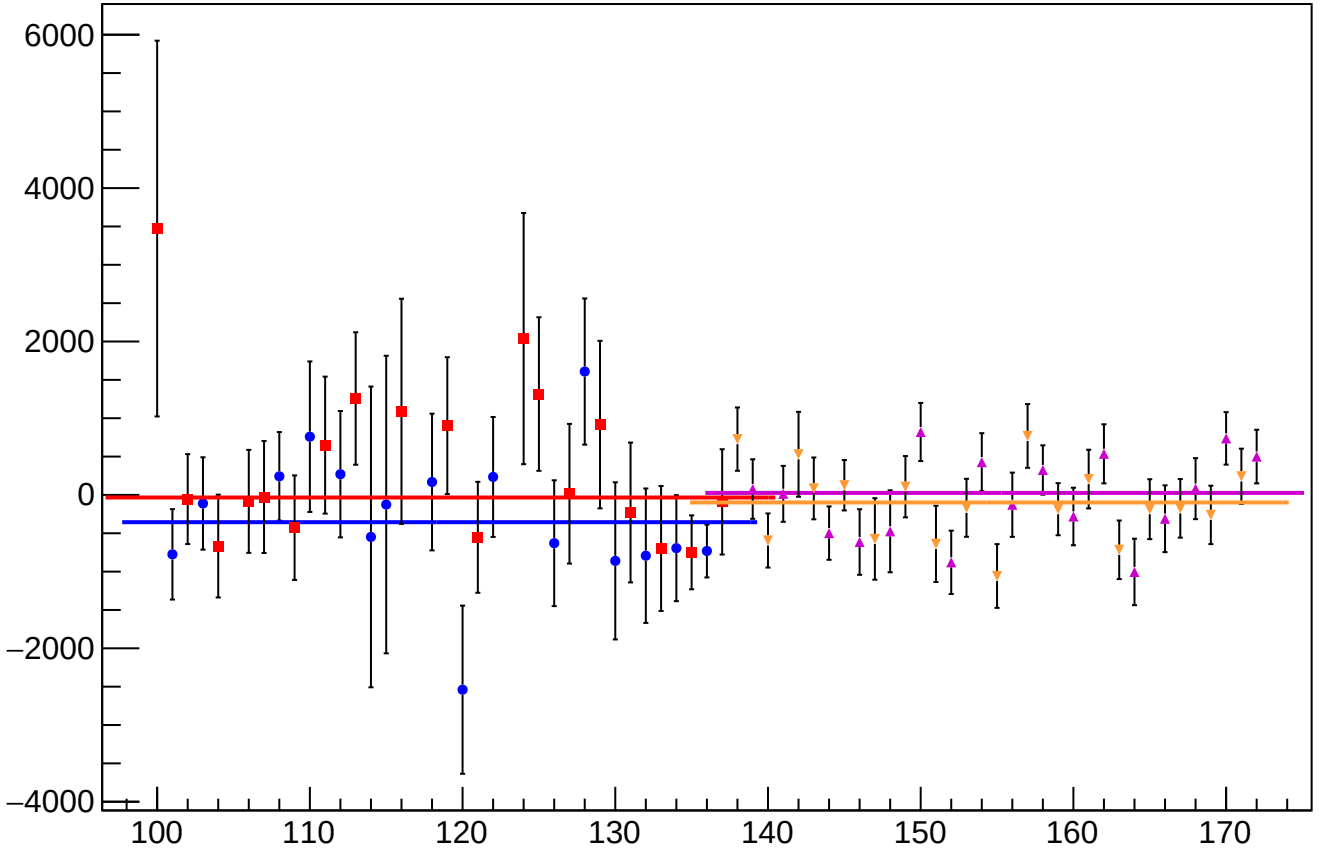
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 62.746+/-0.010 χ^2/NDF:699373.2/32

Out: 62.538+/-0.010 χ^2/NDF:673836.7/36

All: 62.641+/-0.007 χ^2/NDF: 1373442.1/69

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: -98.264+/-93.091 χ^2/NDF:24.4/17

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: -36.386+/-66.006 χ^2/NDF: 56.9/34

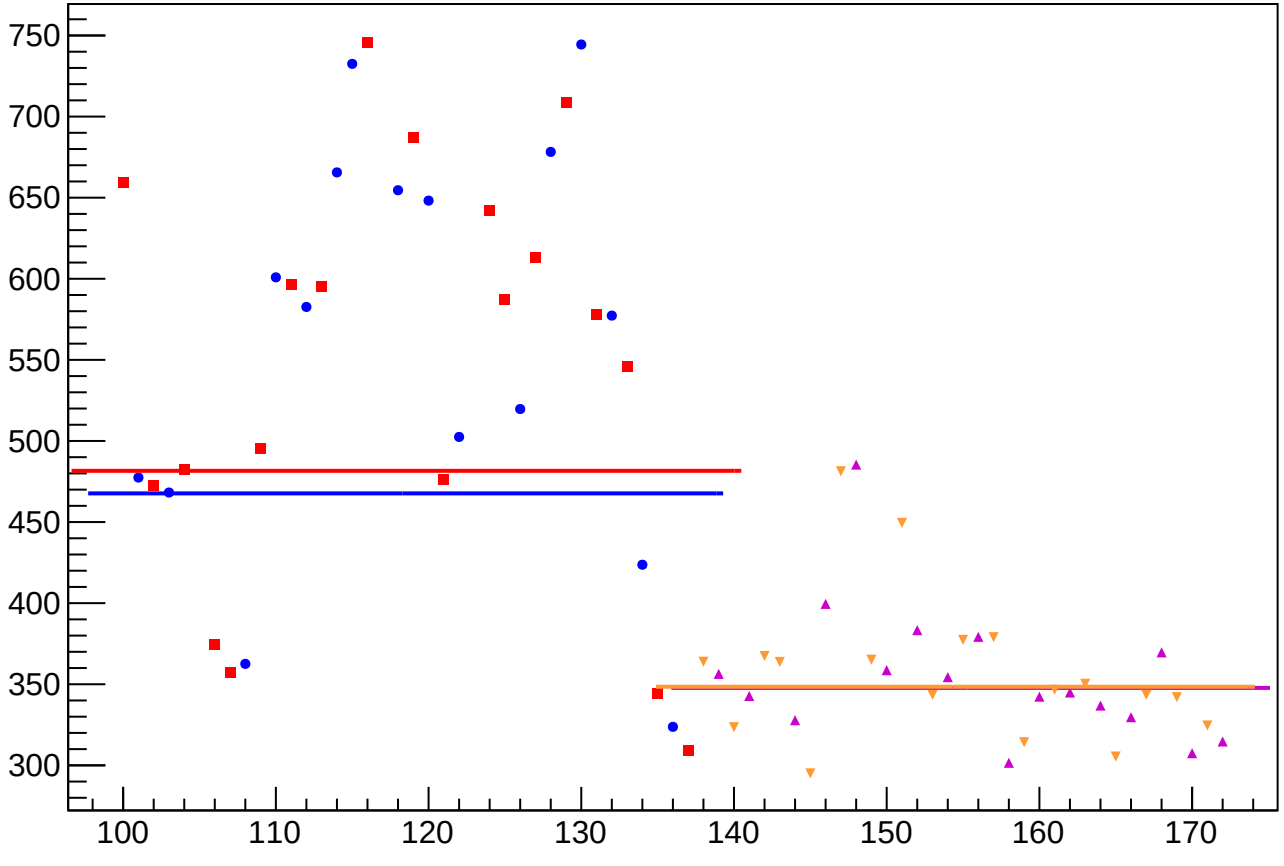
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -54.838+/-83.078 χ^2/NDF:49.9/32

Out: -84.842+/-82.837 χ^2/NDF:39.9/36

All: -69.883+/-58.660 χ^2/NDF: 89.9/69

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: 348.472+/-0.066 χ^2/NDF:357259.1/17

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: 348.107+/-0.047 χ^2/NDF: 654093.6/34

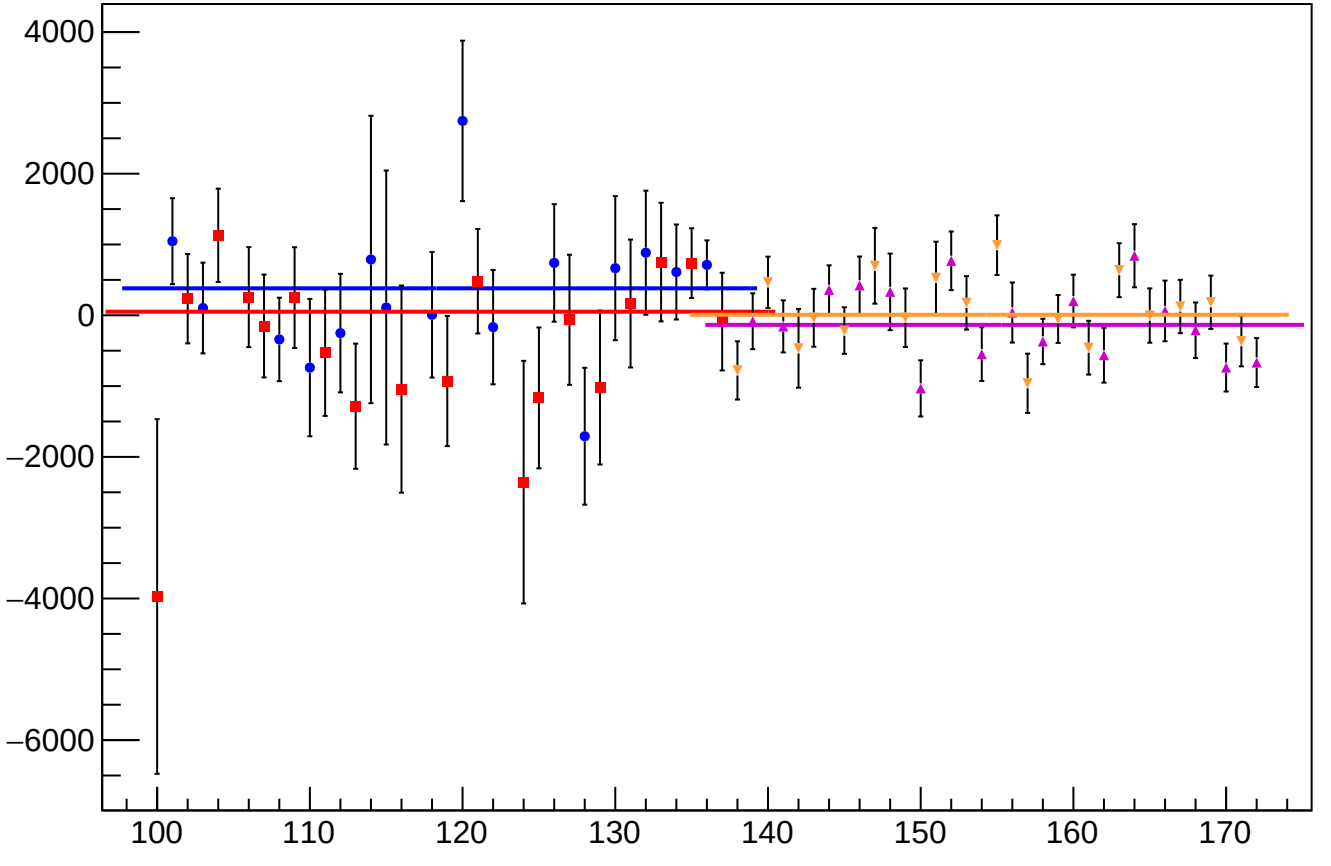
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 373.192+/-0.059 χ^2/NDF:1979617.0/32

Out: 376.184+/-0.059 χ^2/NDF:2062976.2/36

All: 374.693+/-0.041 χ^2/NDF: 4043894.0/69

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: 7.540+/-93.279 χ^2/NDF:25.8/17

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: -63.566+/-66.086 χ^2/NDF: 56.1/34

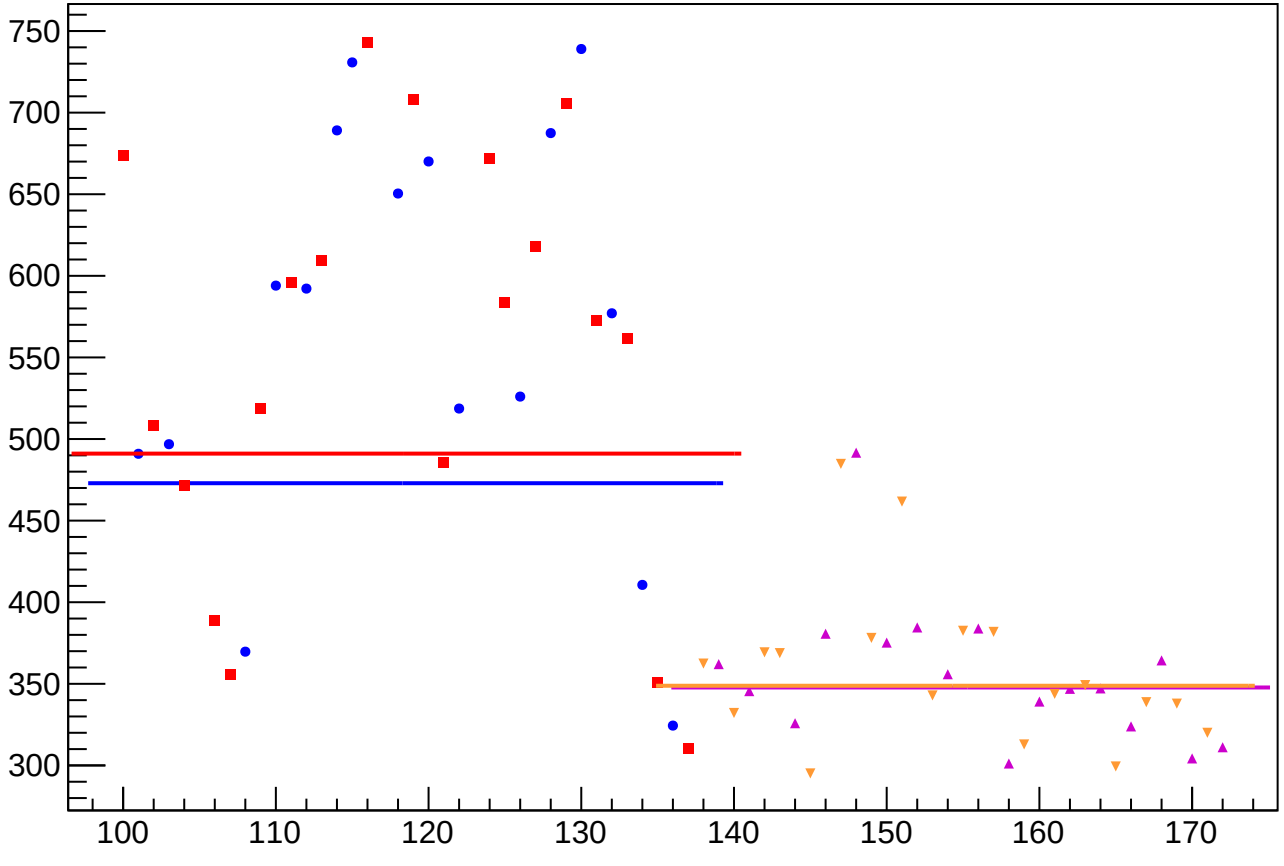
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: -27.769+/-83.328 χ^2/NDF:51.6/32

Out: 16.207+/-83.314 χ^2/NDF:43.4/36

All: -5.778+/-58.917 χ^2/NDF: 95.1/69

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 348.821+/-0.066 χ^2/NDF:402754.4/17

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 347.754+/-0.066 χ^2/NDF:314858.3/16

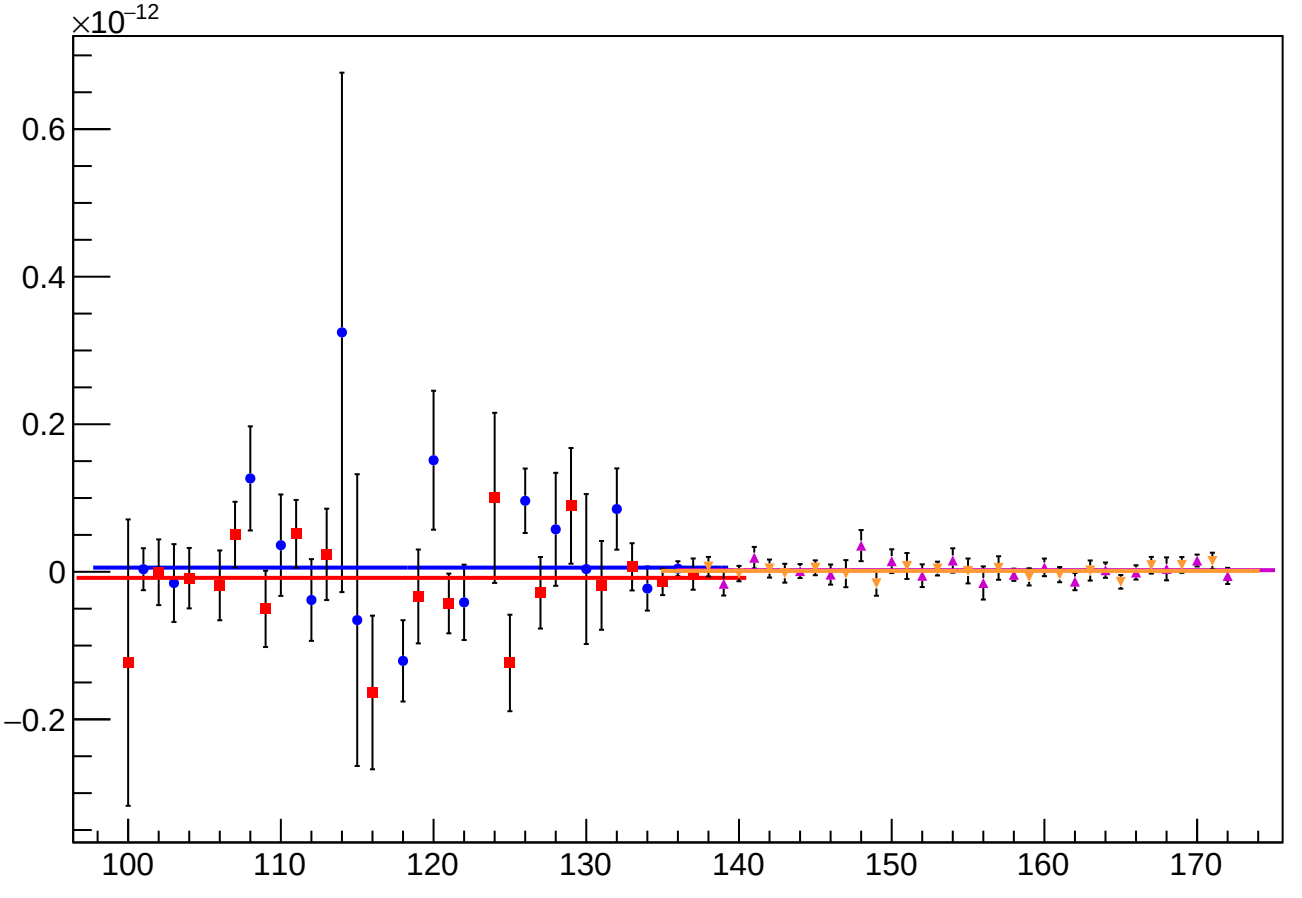
Left: 348.290+/-0.047 χ^2/NDF: 717742.9/34

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 373.805+/-0.059 χ^2/NDF:2058880.7/32

Out: 377.588+/-0.059 χ^2/NDF:2190806.9/36

All: 375.697+/-0.042 χ^2/NDF: 4251749.1/69



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.7/17

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: 20.9/34

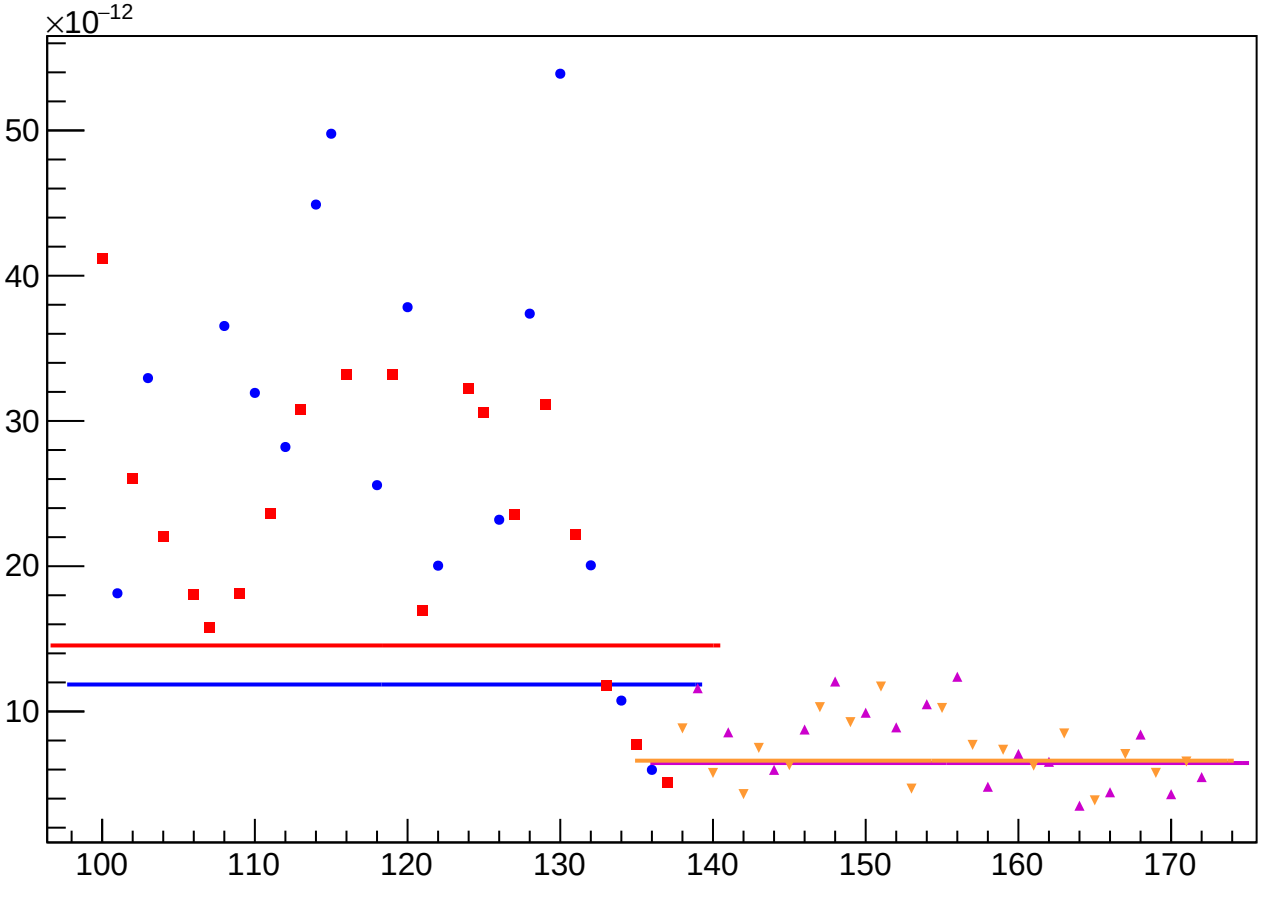
Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:34.4/32

Out: 0.000+/-0.000 χ^2/NDF:22.7/36

All: 0.000+/-0.000 χ^2/NDF: 57.4/69

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:875897.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1769864.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1375582.5/16

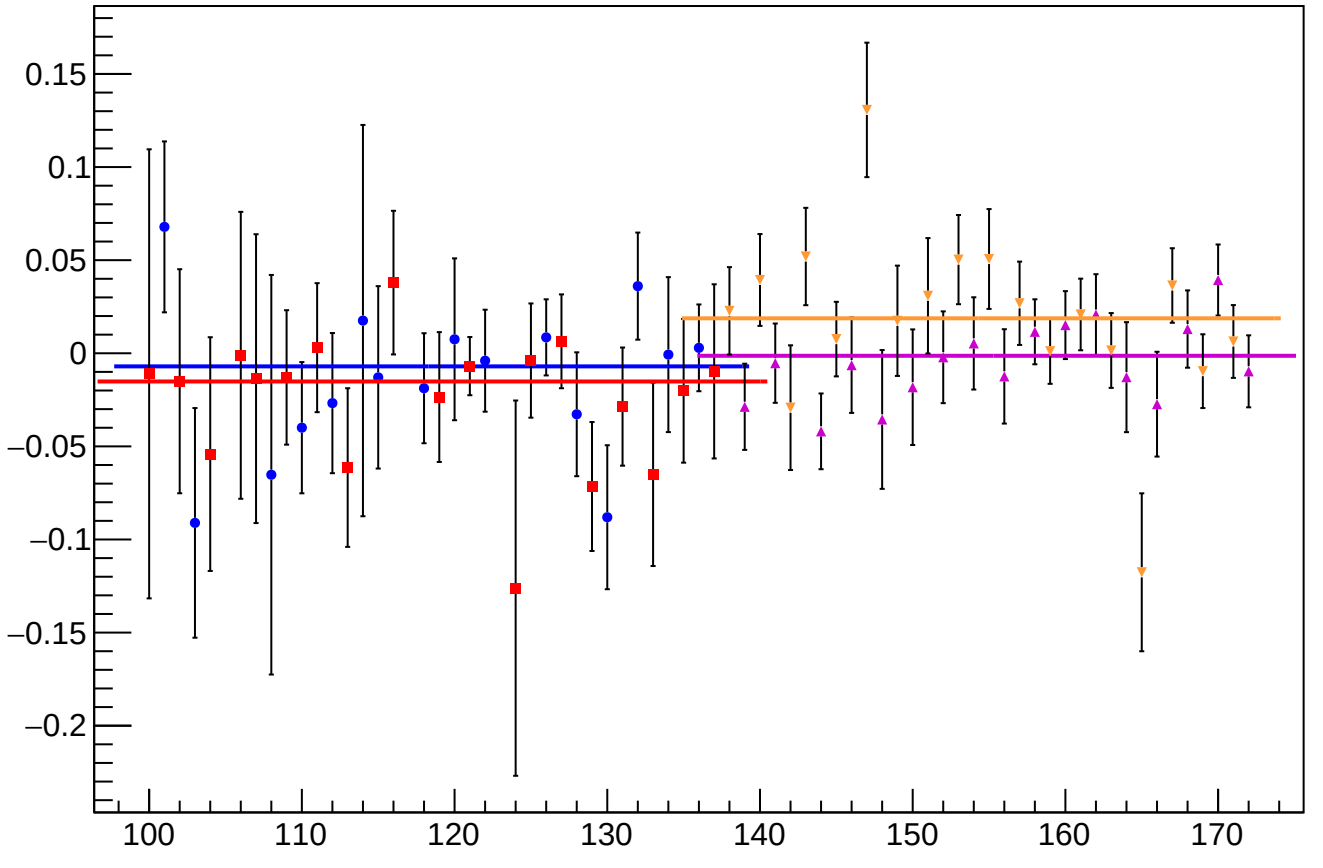
Left: 0.000+/-0.000 χ^2/NDF: 2254691.4/34

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:3978802.6/36

All: 0.000+/-0.000 χ^2/NDF: 8997313.7/69



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.006 χ^2/NDF:33.1/17

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.001+/-0.005 χ^2/NDF:15.5/16

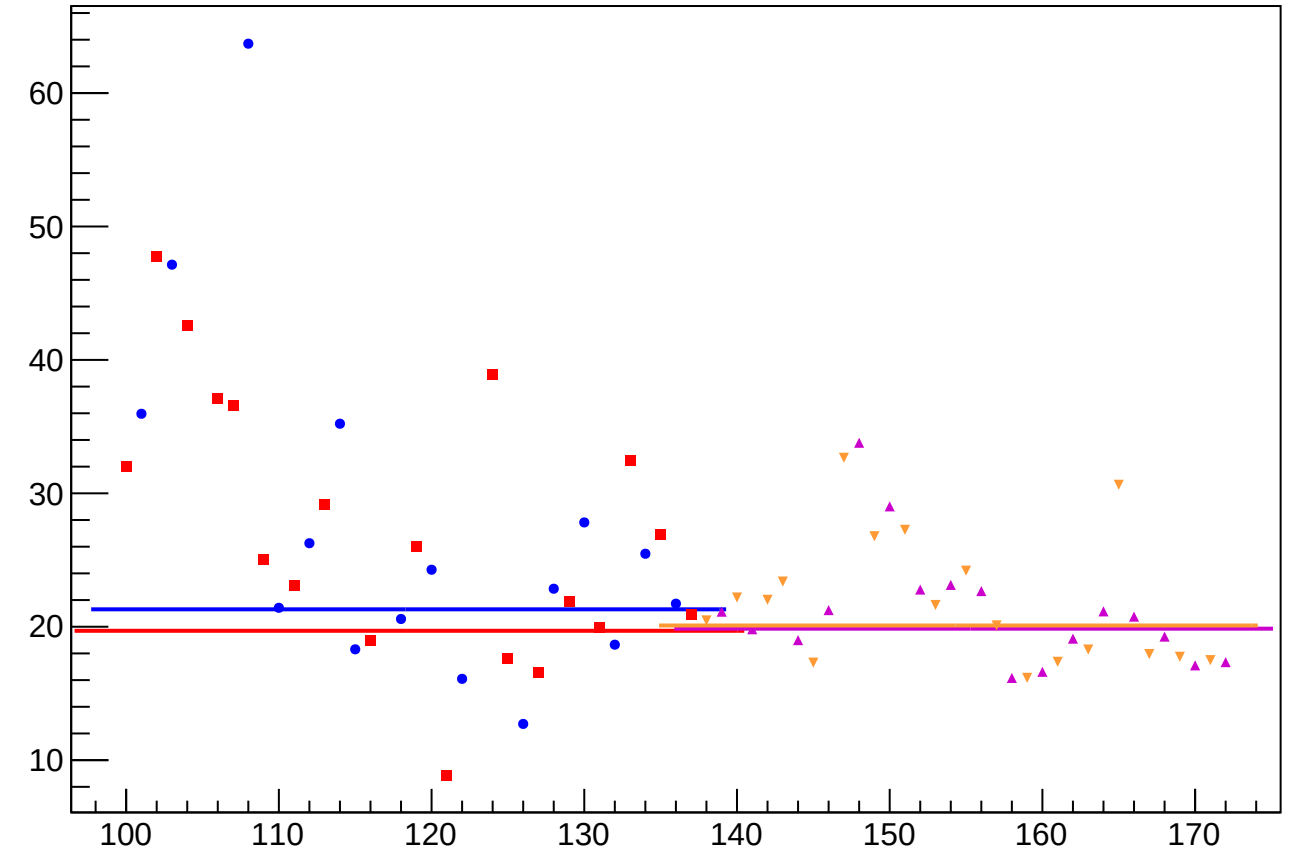
Left: 0.009+/-0.004 χ^2/NDF: 55.3/34

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.005 χ^2/NDF:30.1/32

Out: 0.008+/-0.005 χ^2/NDF:54.9/36

All: 0.003+/-0.003 χ^2/NDF: 88.0/69



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.093+/-0.004 χ^2/NDF:965254.3/17

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 19.855+/-0.004 χ^2/NDF:795130.5/16

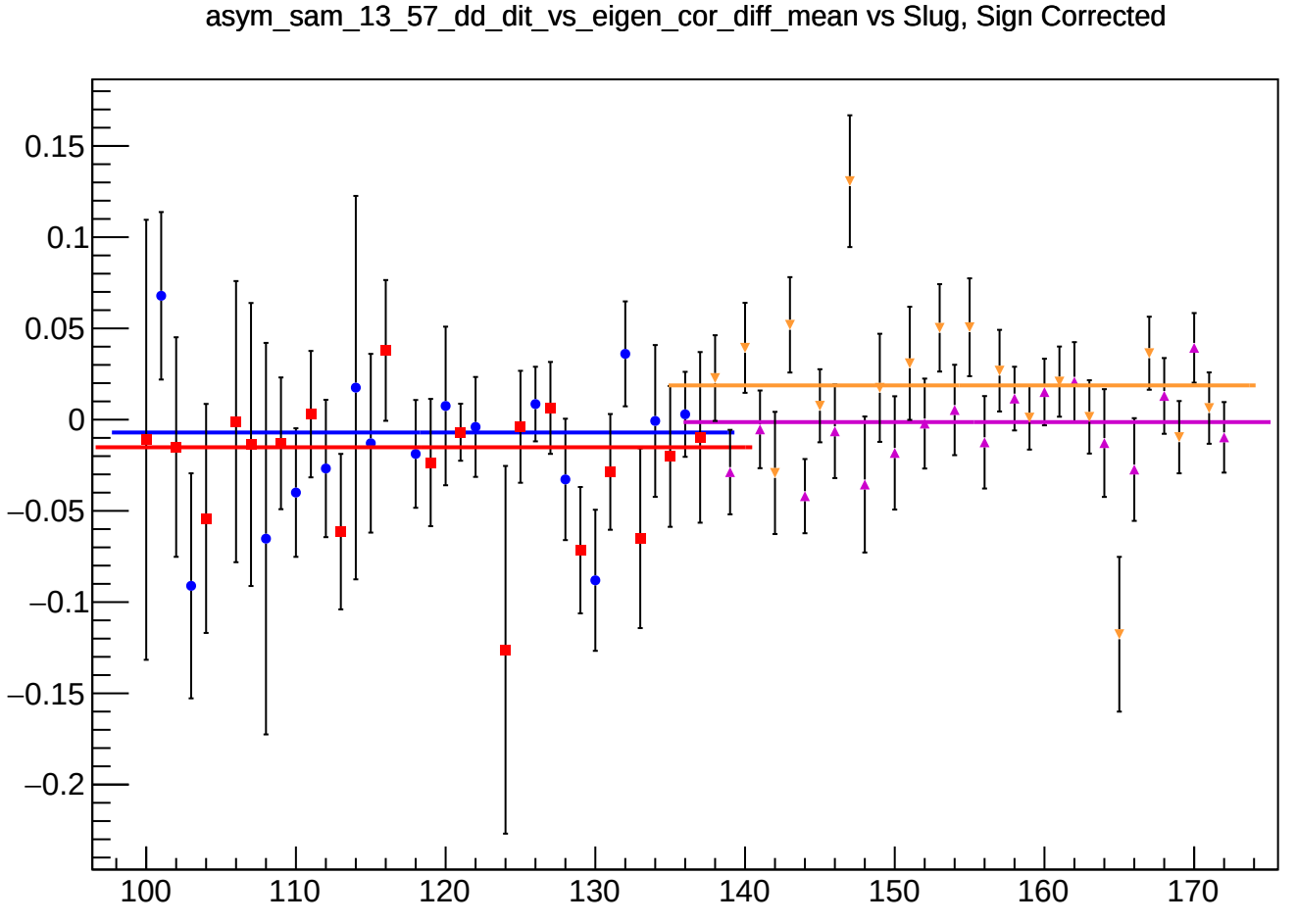
Left: 19.974+/-0.003 χ^2/NDF: 1762261.2/34

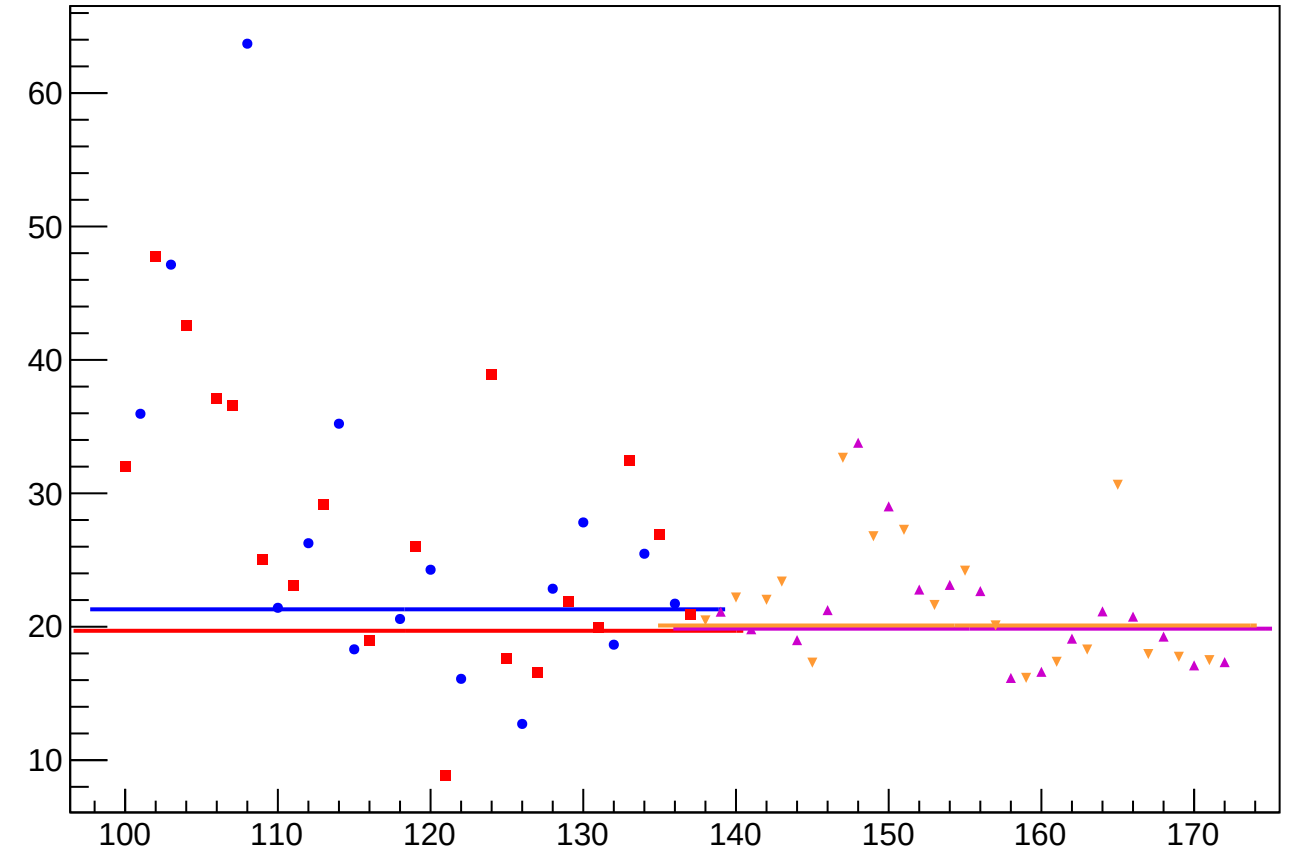
Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.274+/-0.003 χ^2/NDF:2314772.9/32

Out: 19.971+/-0.003 χ^2/NDF:3407442.6/36

All: 20.120+/-0.002 χ^2/NDF: 5726543.4/69


asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
160
170
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.019+/-0.006 χ²/NDF:33.1/17
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.001+/-0.005 χ²/NDF:15.5/16
Left: 0.009+/-0.004 χ²/NDF: 55.3/34
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.003+/-0.005 χ²/NDF:30.1/32
Out: 0.008+/-0.005 χ²/NDF:54.9/36
All: 0.003+/-0.003 χ²/NDF: 88.0/69



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 20.093+/-0.004 χ^2/NDF:965254.3/17

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 19.855+/-0.004 χ^2/NDF:795130.5/16

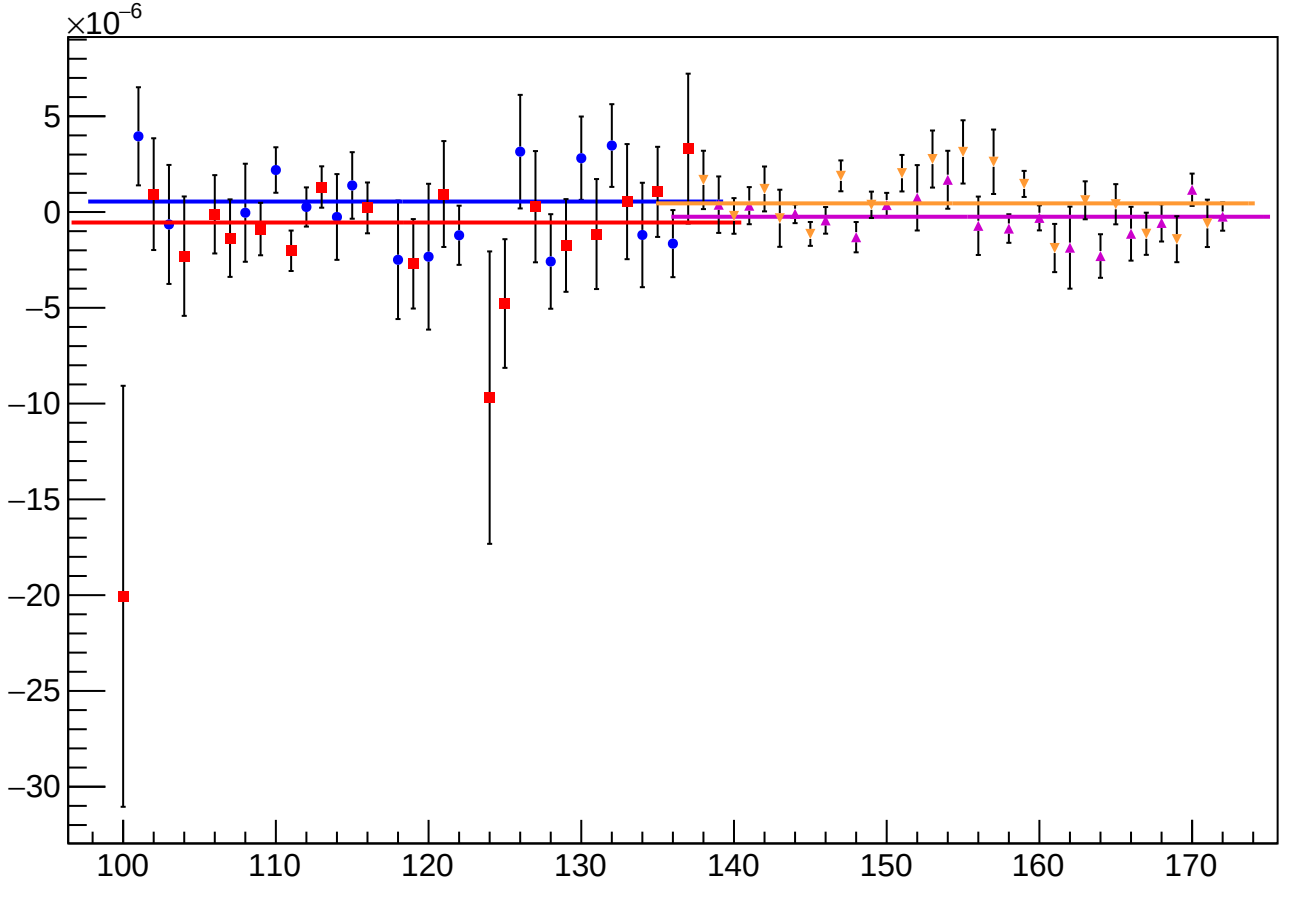
Left: 19.974+/-0.003 χ^2/NDF: 1762261.2/34

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.274+/-0.003 χ^2/NDF:2314772.9/32

Out: 19.971+/-0.003 χ^2/NDF:3407442.6/36

All: 20.120+/-0.002 χ^2/NDF: 5726543.4/69



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/17

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.3/16

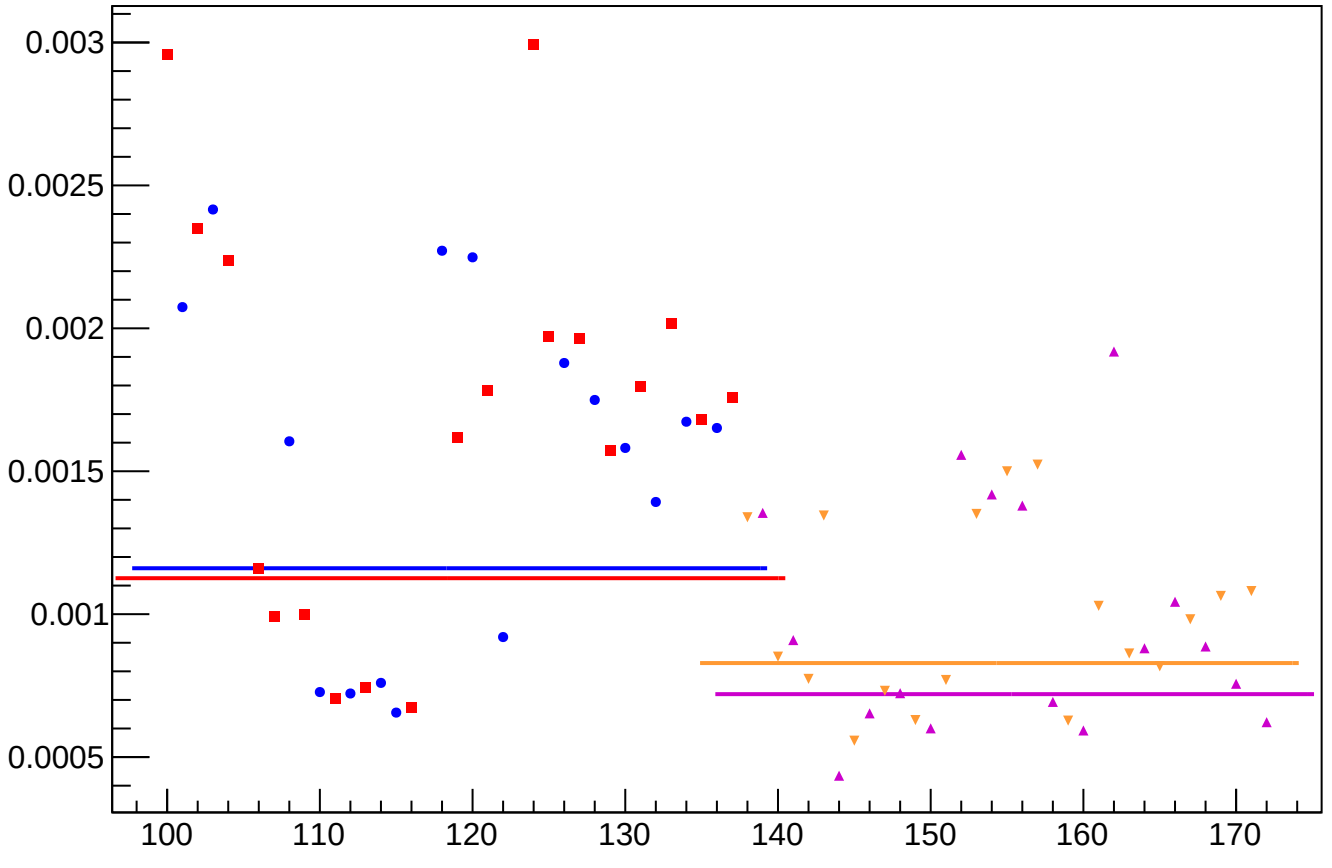
Left: 0.000+/-0.000 χ^2/NDF: 50.2/34

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:51.0/36

All: 0.000+/-0.000 χ^2/NDF: 82.8/69



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2396723.7/17

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:3446062.3/16

Left: 0.001+/-0.000 χ^2/NDF: 6082740.3/34

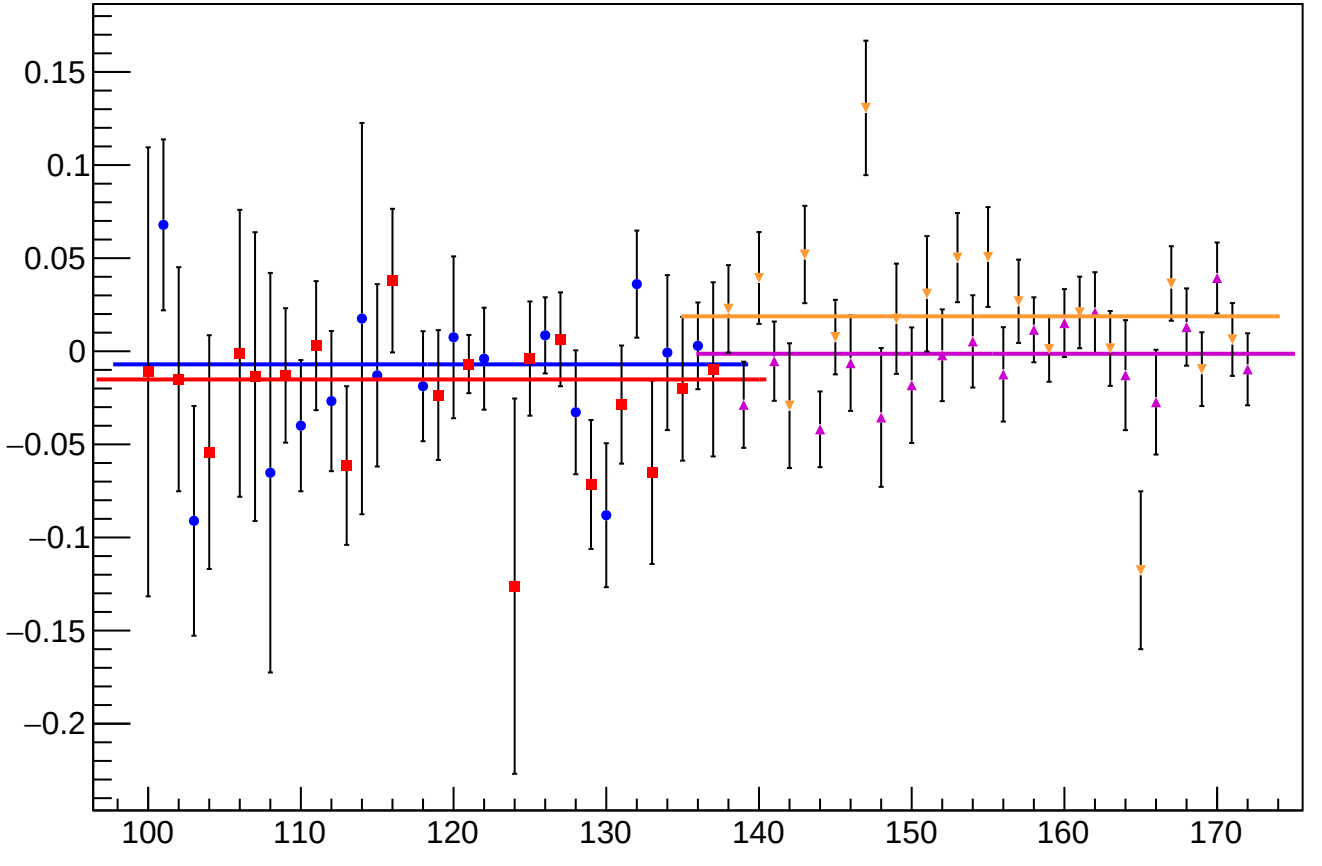
Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:7403600.4/32

Out: 0.001+/-0.000 χ^2/NDF:5684960.3/36

All: 0.001+/-0.000 χ^2/NDF: 13338677.7/69

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.006 χ^2/NDF:33.1/17

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.001+/-0.005 χ^2/NDF:15.5/16

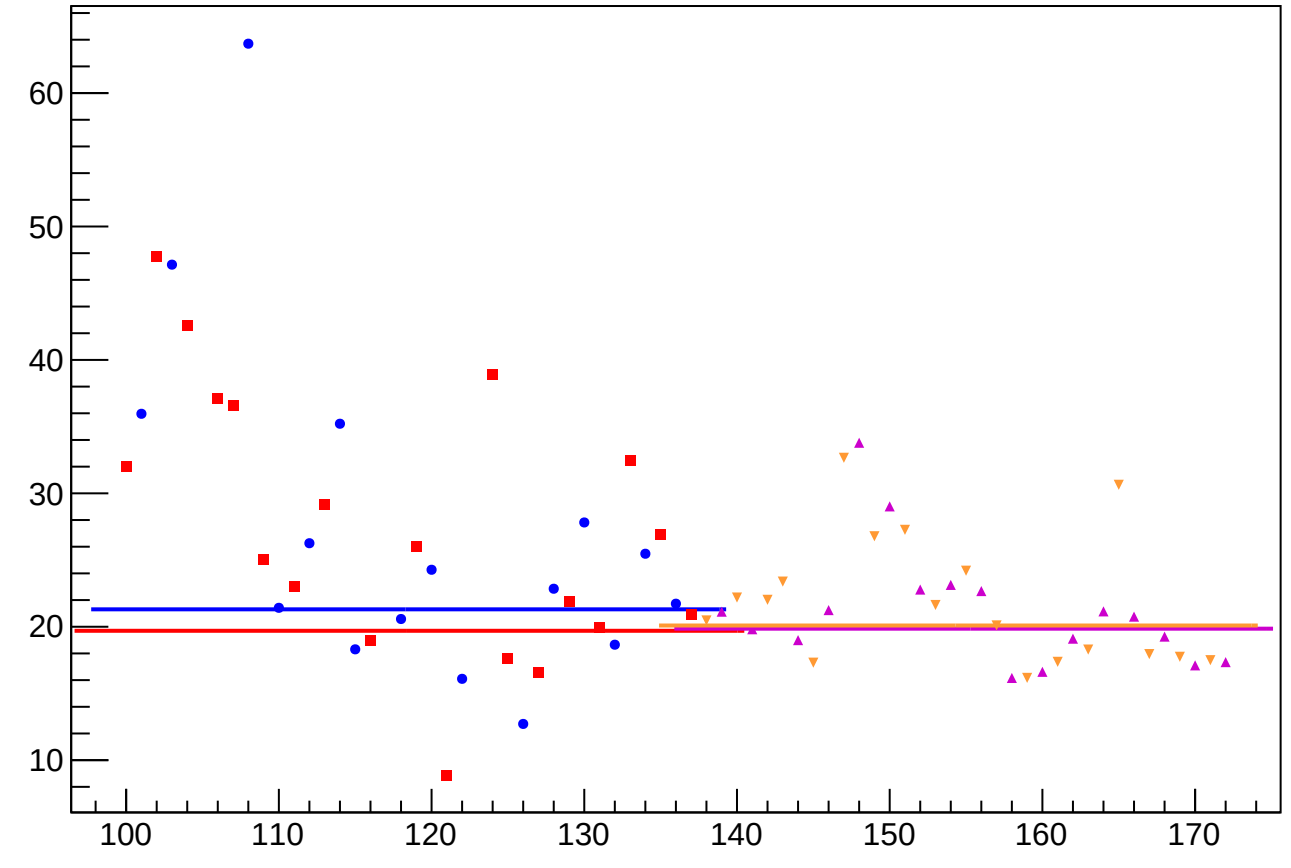
Left: 0.009+/-0.004 χ^2/NDF: 55.3/34

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.005 χ^2/NDF:30.1/32

Out: 0.008+/-0.005 χ^2/NDF:54.9/36

All: 0.003+/-0.003 χ^2/NDF: 88.0/69



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.093+/-0.004 χ^2/NDF:965401.4/17

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.855+/-0.004 χ^2/NDF:795218.0/16

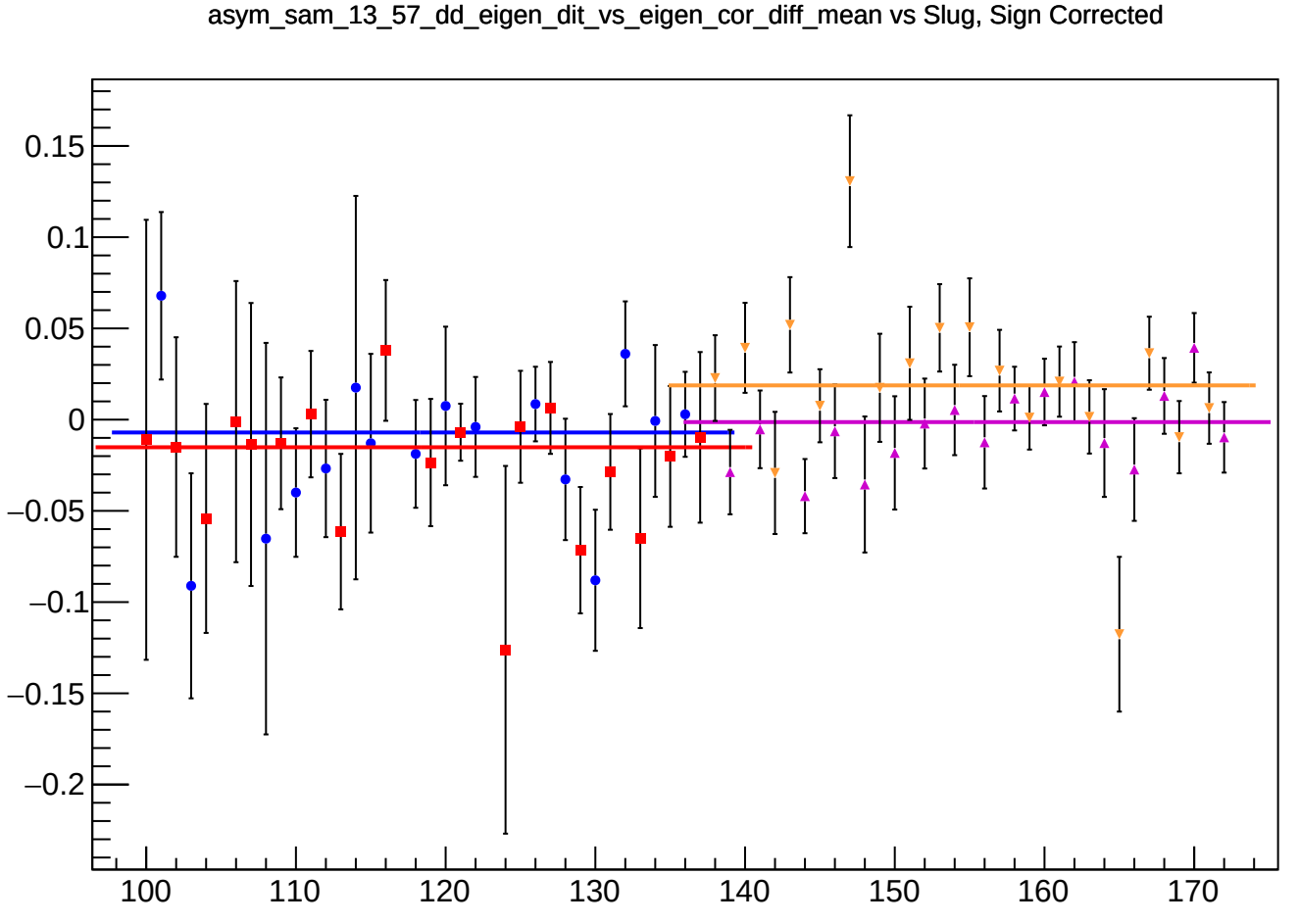
Left: 19.974+/-0.003 χ^2/NDF: 1762494.5/34

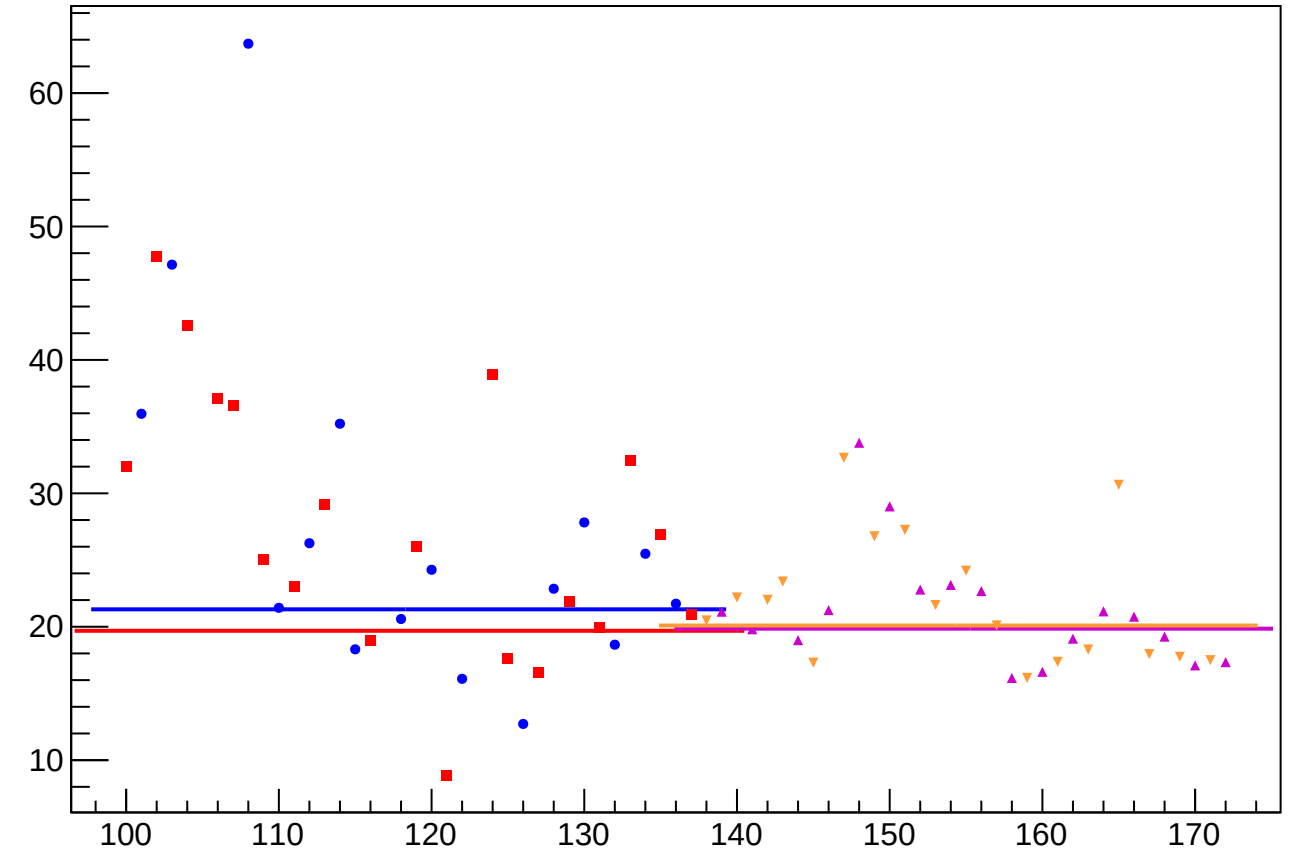
Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.274+/-0.003 χ^2/NDF:2314710.4/32

Out: 19.971+/-0.003 χ^2/NDF:3407210.5/36

All: 20.120+/-0.002 χ^2/NDF: 5726247.0/69


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
100
110
120
130
140
150
160
170
Right In: -0.007+/-0.009 χ²/NDF: 14.3/15
Left Out: 0.019+/-0.006 χ²/NDF:33.1/17
Right Out: -0.015+/-0.008 χ²/NDF: 10.1/18
Left In: -0.001+/-0.005 χ²/NDF:15.5/16
Left: 0.009+/-0.004 χ²/NDF: 55.3/34
Right: -0.011+/-0.006 χ²/NDF: 24.9/34
In: -0.003+/-0.005 χ²/NDF:30.1/32
Out: 0.008+/-0.005 χ²/NDF:54.9/36
All: 0.003+/-0.003 χ²/NDF: 88.0/69



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.093+/-0.004 χ^2/NDF:965401.4/17

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.855+/-0.004 χ^2/NDF:795218.0/16

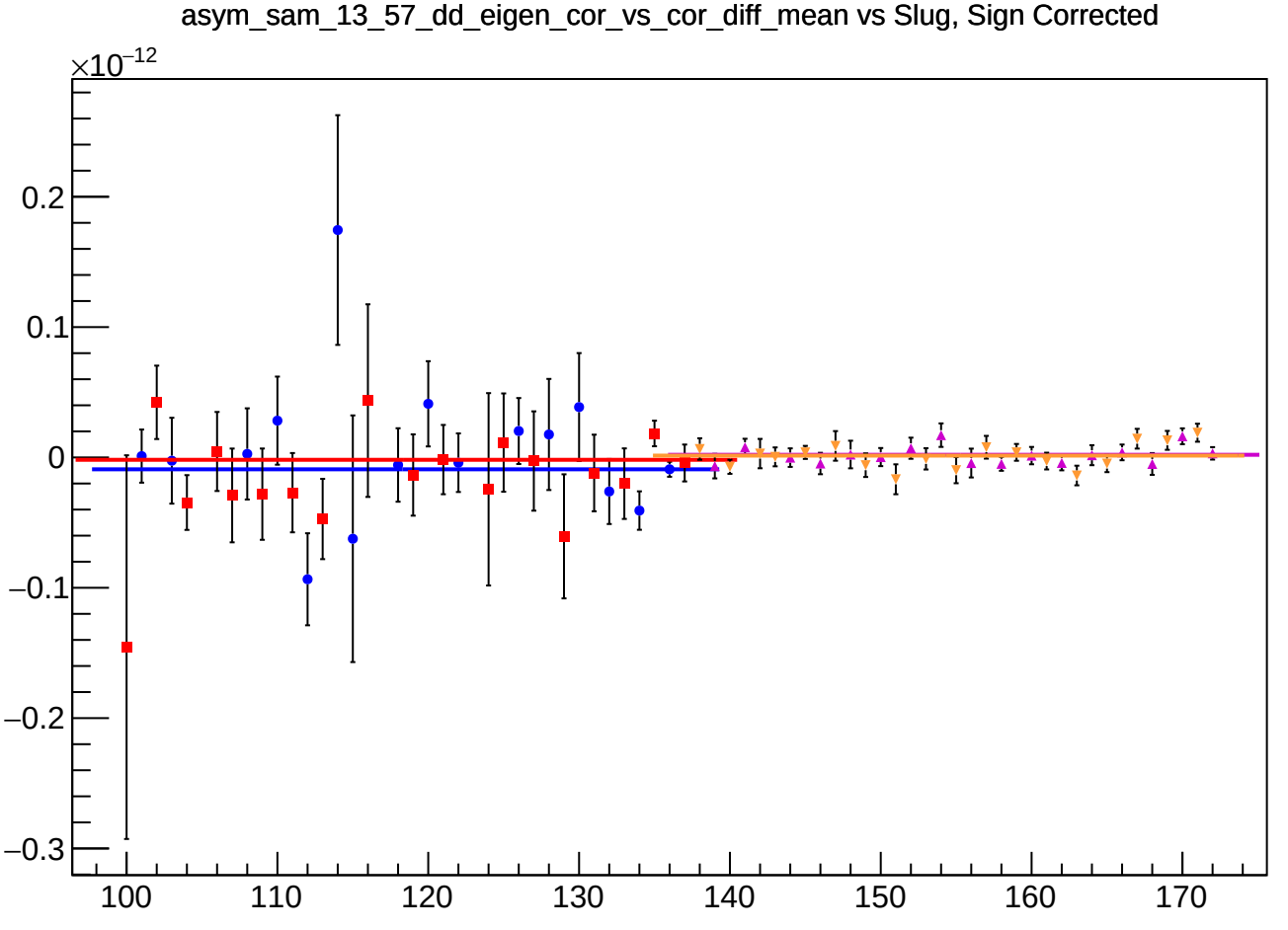
Left: 19.974+/-0.003 χ^2/NDF: 1762494.5/34

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

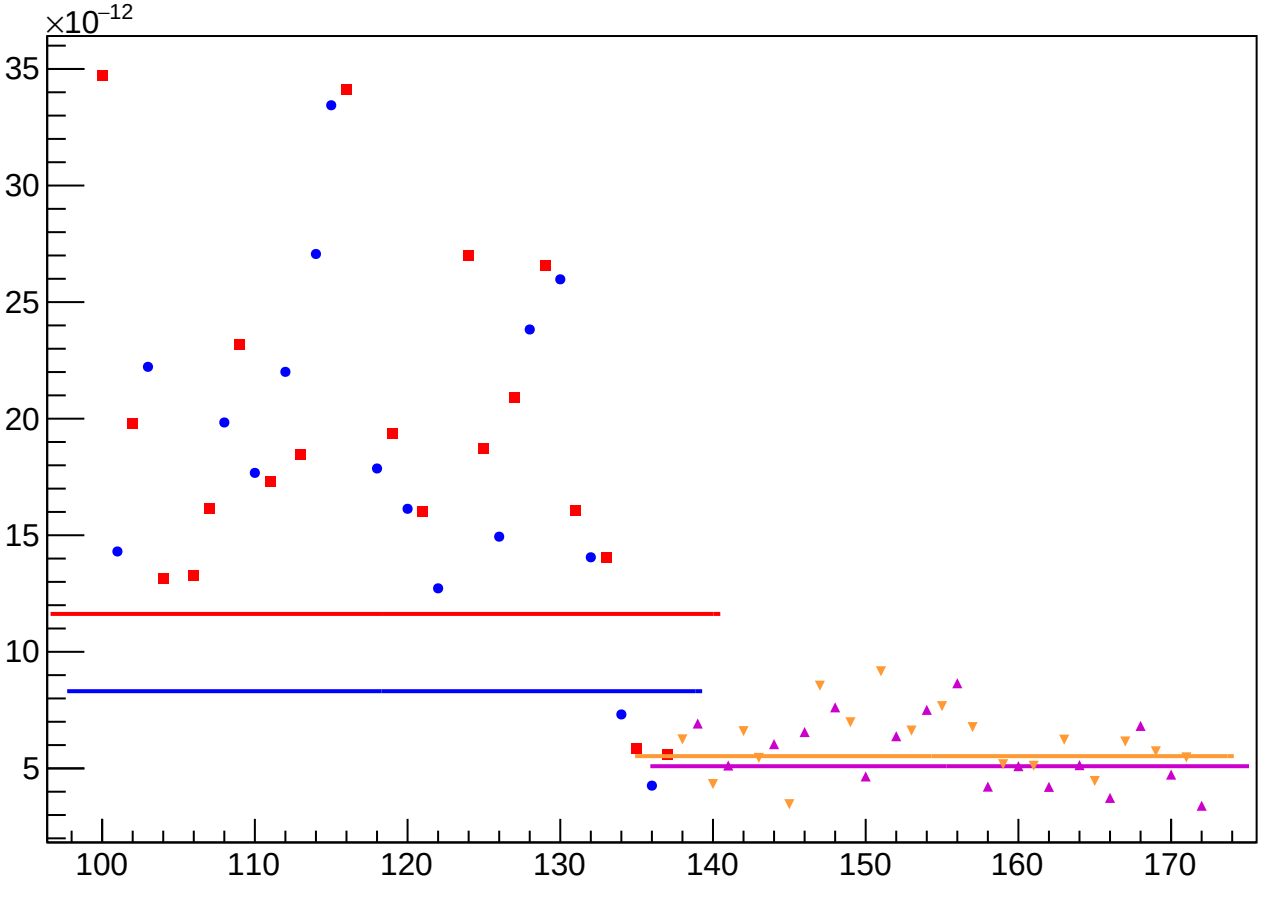
In: 20.274+/-0.003 χ^2/NDF:2314710.4/32

Out: 19.971+/-0.003 χ^2/NDF:3407210.5/36

All: 20.120+/-0.002 χ^2/NDF: 5726247.0/69


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: 0.000+/-0.000 χ²/NDF:26.2/17
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/18
Left In: 0.000+/-0.000 χ²/NDF:15.2/16
Left: 0.000+/-0.000 χ²/NDF: 41.5/34
Right: -0.000+/-0.000 χ²/NDF: 40.6/34
In: 0.000+/-0.000 χ²/NDF:43.2/32
Out: 0.000+/-0.000 χ²/NDF:43.5/36
All: 0.000+/-0.000 χ²/NDF: 86.7/69

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:1134943.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2610908.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1246179.0/16

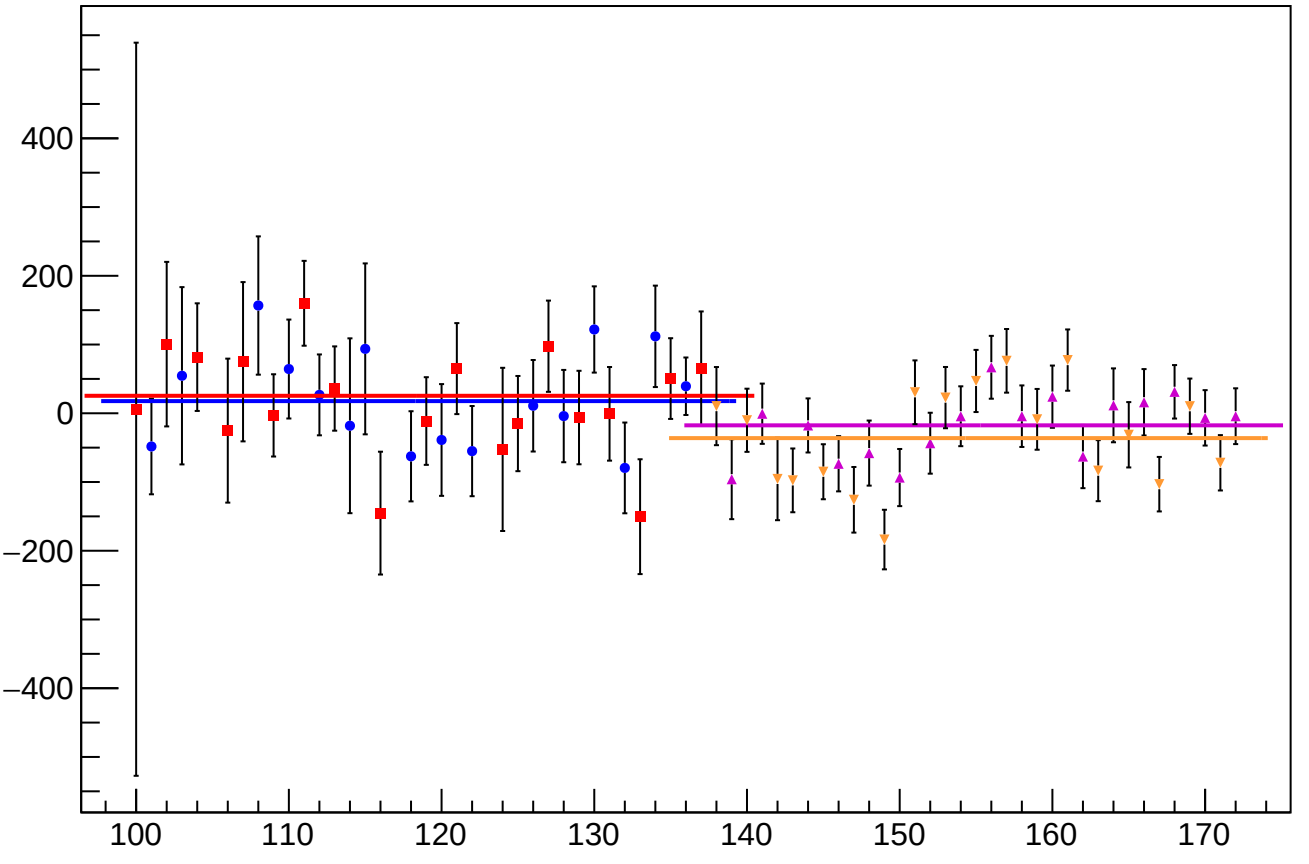
Left: 0.000+/-0.000 χ^2/NDF: 2444735.7/34

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:5849964.5/36

All: 0.000+/-0.000 χ^2/NDF: 11847515.1/69



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -36.139+/-10.612 χ^2/NDF:46.4/17

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -17.553+/-10.696 χ^2/NDF:16.3/16

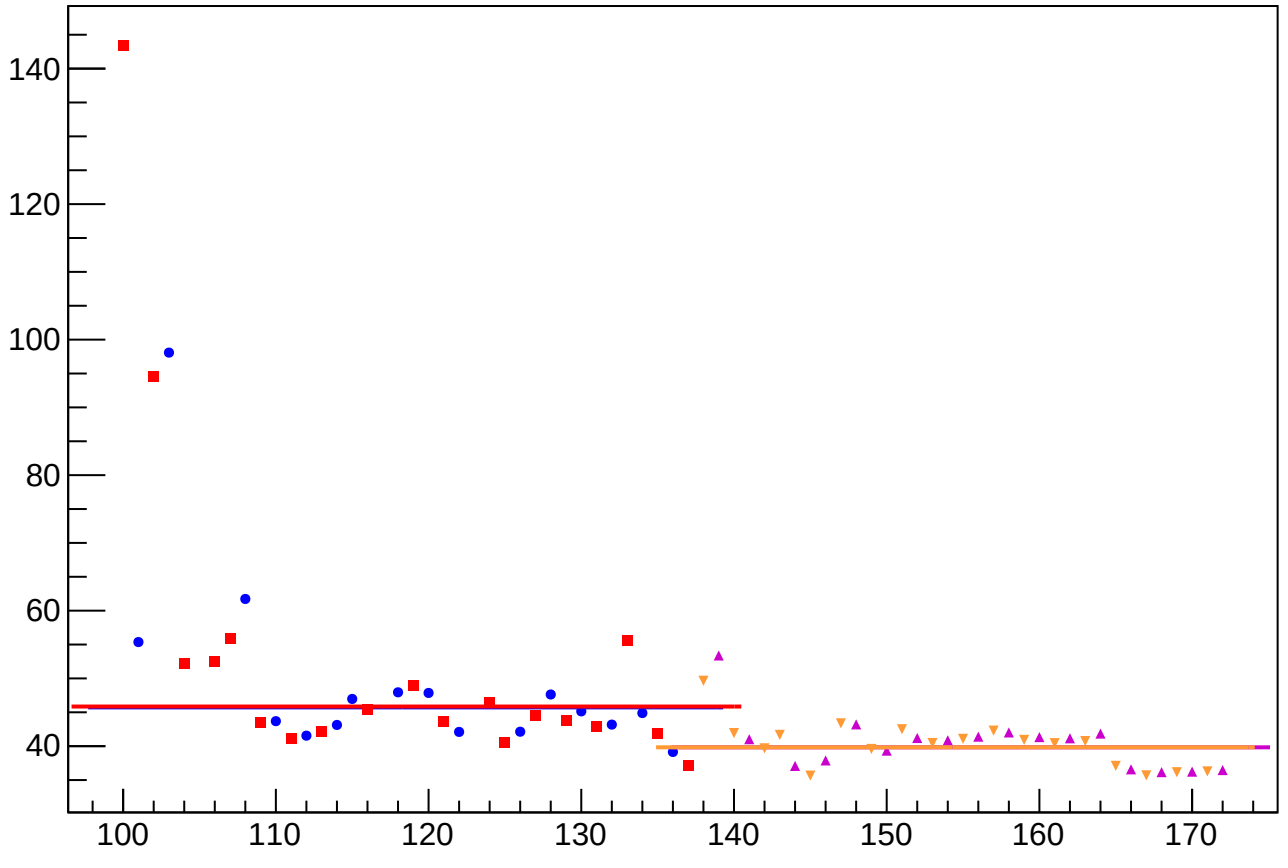
Left: -26.920+/-7.533 χ^2/NDF: 64.2/34

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -7.941+/-9.122 χ^2/NDF:33.2/32

Out: -19.356+/-9.051 χ^2/NDF:73.5/36

All: -13.693+/-6.425 χ^2/NDF: 107.4/69



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 39.832+/-0.008 χ^2/NDF:177227.9/17

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 39.830+/-0.008 χ^2/NDF:208514.3/16

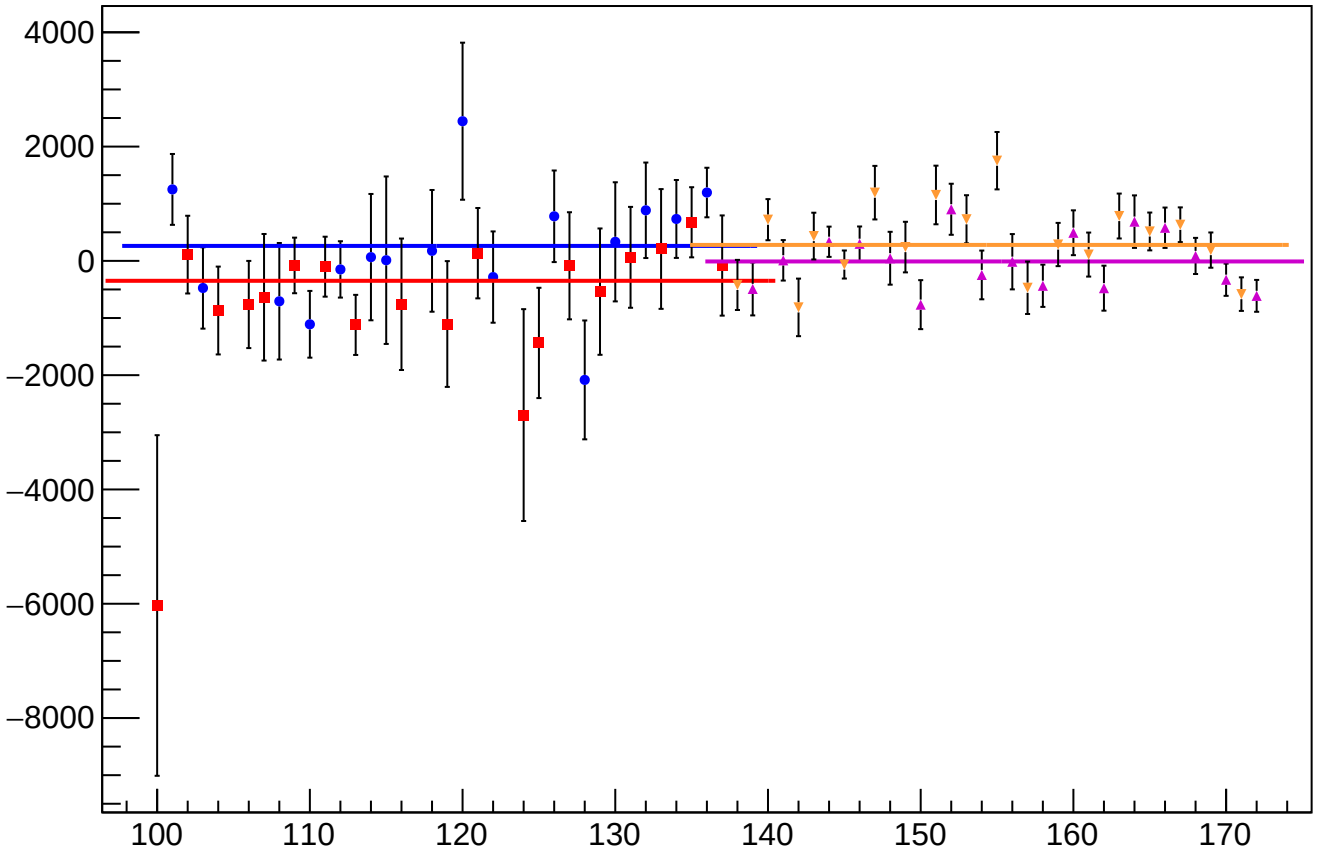
Left: 39.831+/-0.005 χ^2/NDF: 385742.3/34

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 41.438+/-0.006 χ^2/NDF:875687.7/32

Out: 41.472+/-0.006 χ^2/NDF:892629.0/36

All: 41.455+/-0.005 χ^2/NDF: 1768330.9/69



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 279.370+/-87.869 χ^2/NDF:42.4/17

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: -10.146+/-87.313 χ^2/NDF:26.9/16

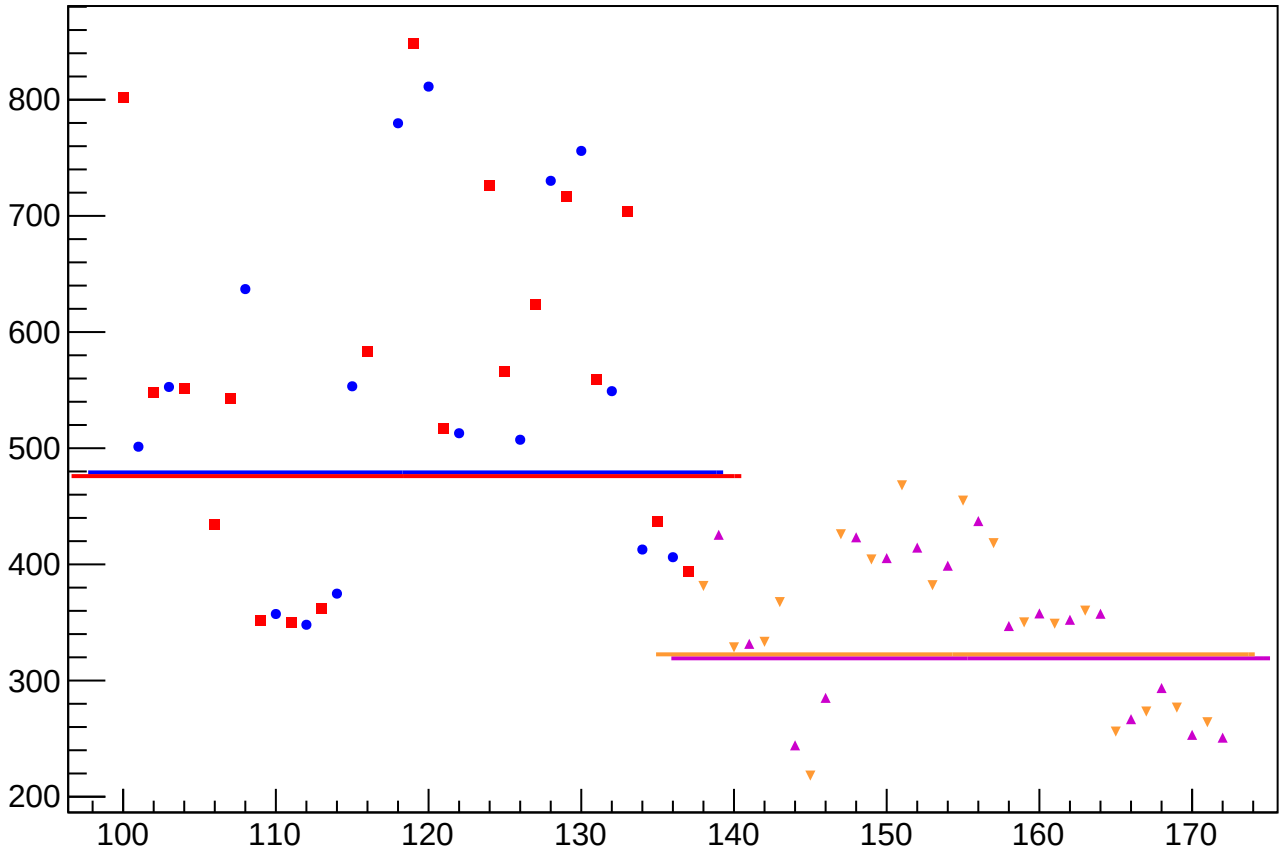
Left: 133.692+/-61.935 χ^2/NDF: 74.8/34

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 39.328+/-78.977 χ^2/NDF:53.7/32

Out: 159.241+/-79.020 χ^2/NDF:67.1/36

All: 99.252+/-55.860 χ^2/NDF: 121.9/69



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 322.563+/-0.062 χ^2/NDF:1310461.1/17

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 319.147+/-0.062 χ^2/NDF:1101072.5/16

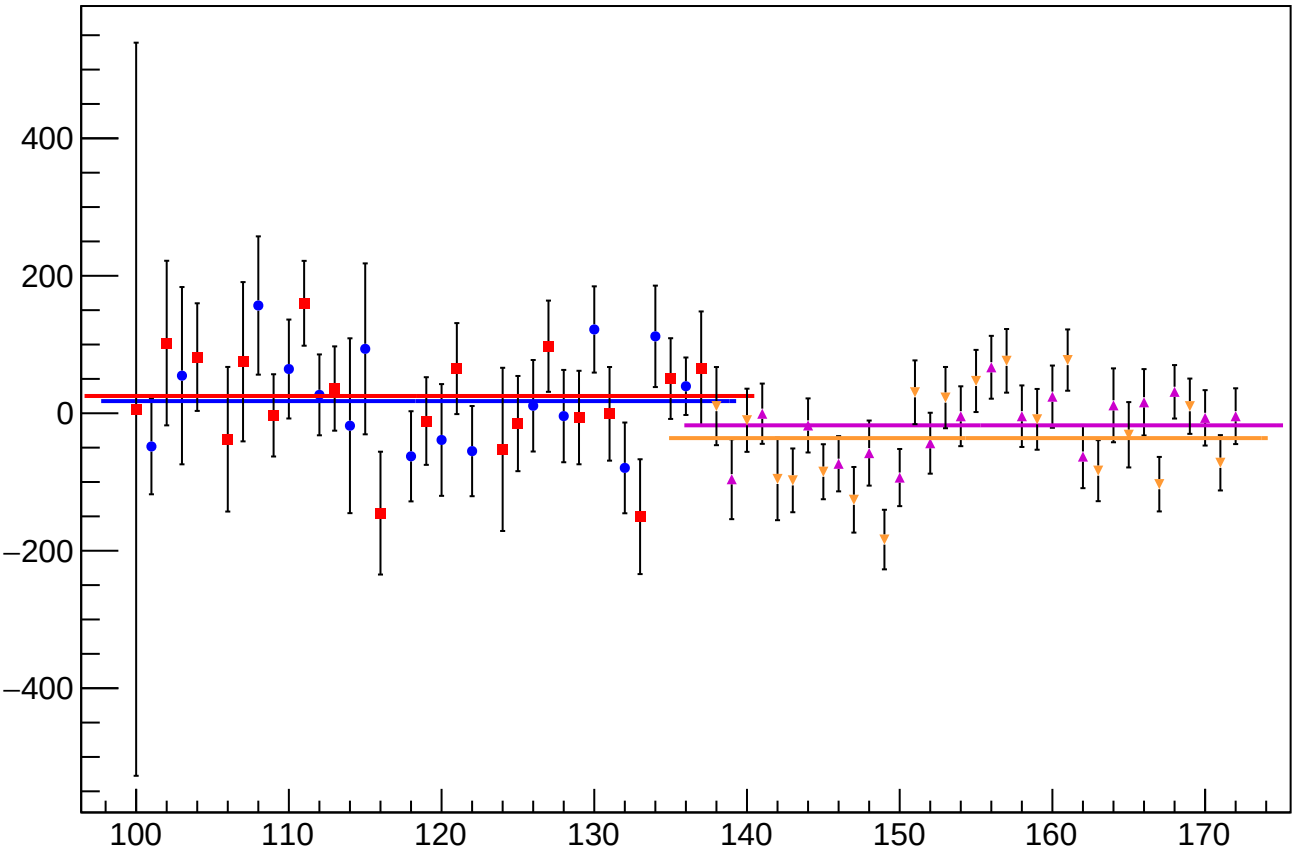
Left: 320.844+/-0.044 χ^2/NDF: 2413054.5/34

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 348.246+/-0.056 χ^2/NDF:3275413.8/32

Out: 351.909+/-0.056 χ^2/NDF:3483266.4/36

All: 350.076+/-0.039 χ^2/NDF: 6760831.3/69



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -36.140+/-10.612 χ^2/NDF:46.4/17

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -17.553+/-10.696 χ^2/NDF:16.3/16

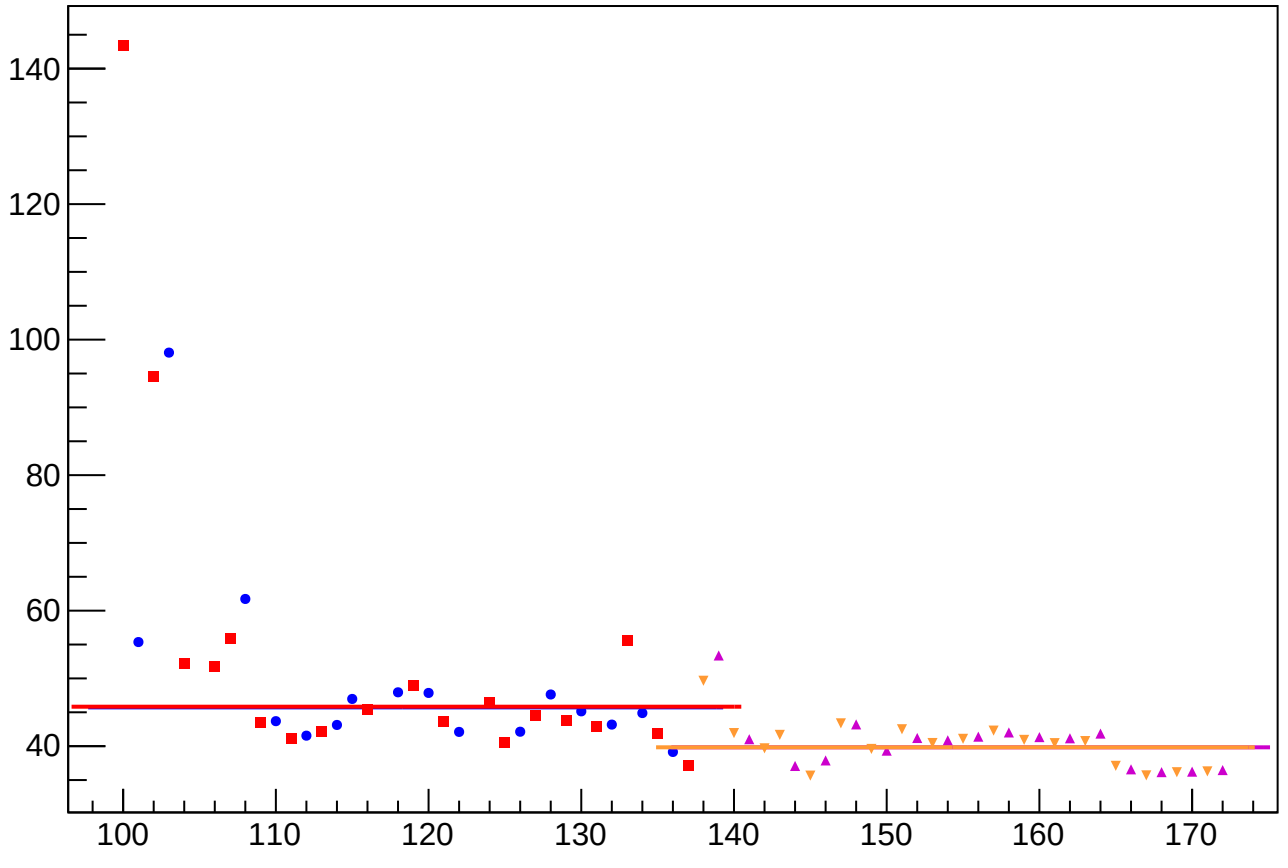
Left: -26.920+/-7.533 χ^2/NDF: 64.2/34

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -7.939+/-9.122 χ^2/NDF:33.2/32

Out: -19.441+/-9.051 χ^2/NDF:73.5/36

All: -13.735+/-6.425 χ^2/NDF: 107.5/69



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.832+/-0.008 χ^2/NDF:177227.9/17

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.830+/-0.008 χ^2/NDF:208514.3/16

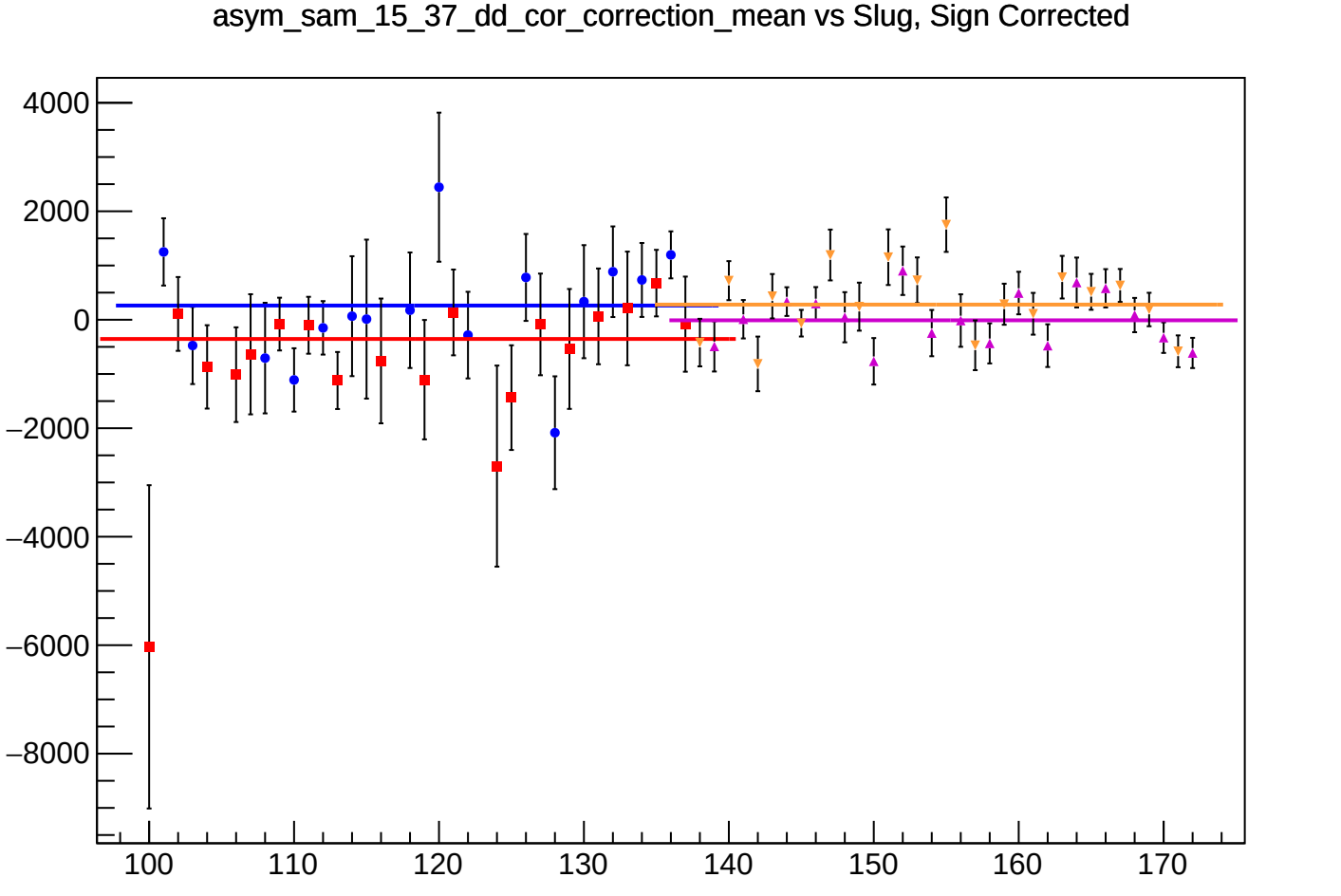
Left: 39.831+/-0.005 χ^2/NDF: 385742.3/34

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 41.438+/-0.006 χ^2/NDF:875690.7/32

Out: 41.465+/-0.006 χ^2/NDF:889522.6/36

All: 41.452+/-0.005 χ^2/NDF: 1765222.3/69



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 279.367+/-87.869 χ^2/NDF:42.4/17

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -10.144+/-87.313 χ^2/NDF:26.9/16

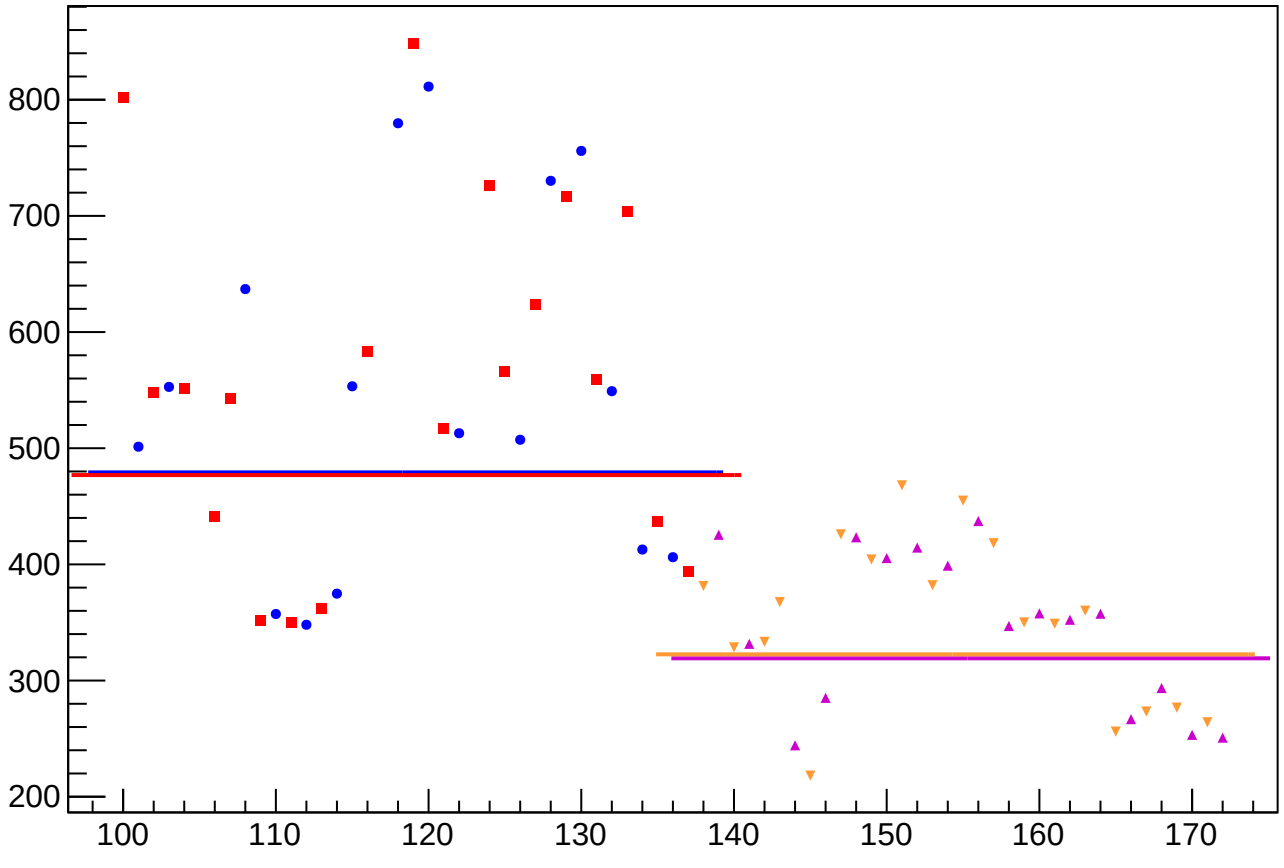
Left: 133.692+/-61.935 χ^2/NDF: 74.8/34

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 39.330+/-78.977 χ^2/NDF:53.7/32

Out: 159.498+/-79.122 χ^2/NDF:67.4/36

All: 99.304+/-55.896 χ^2/NDF: 122.3/69



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 322.563+/-0.062 χ^2/NDF:1310459.0/17

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 319.147+/-0.062 χ^2/NDF:1101077.9/16

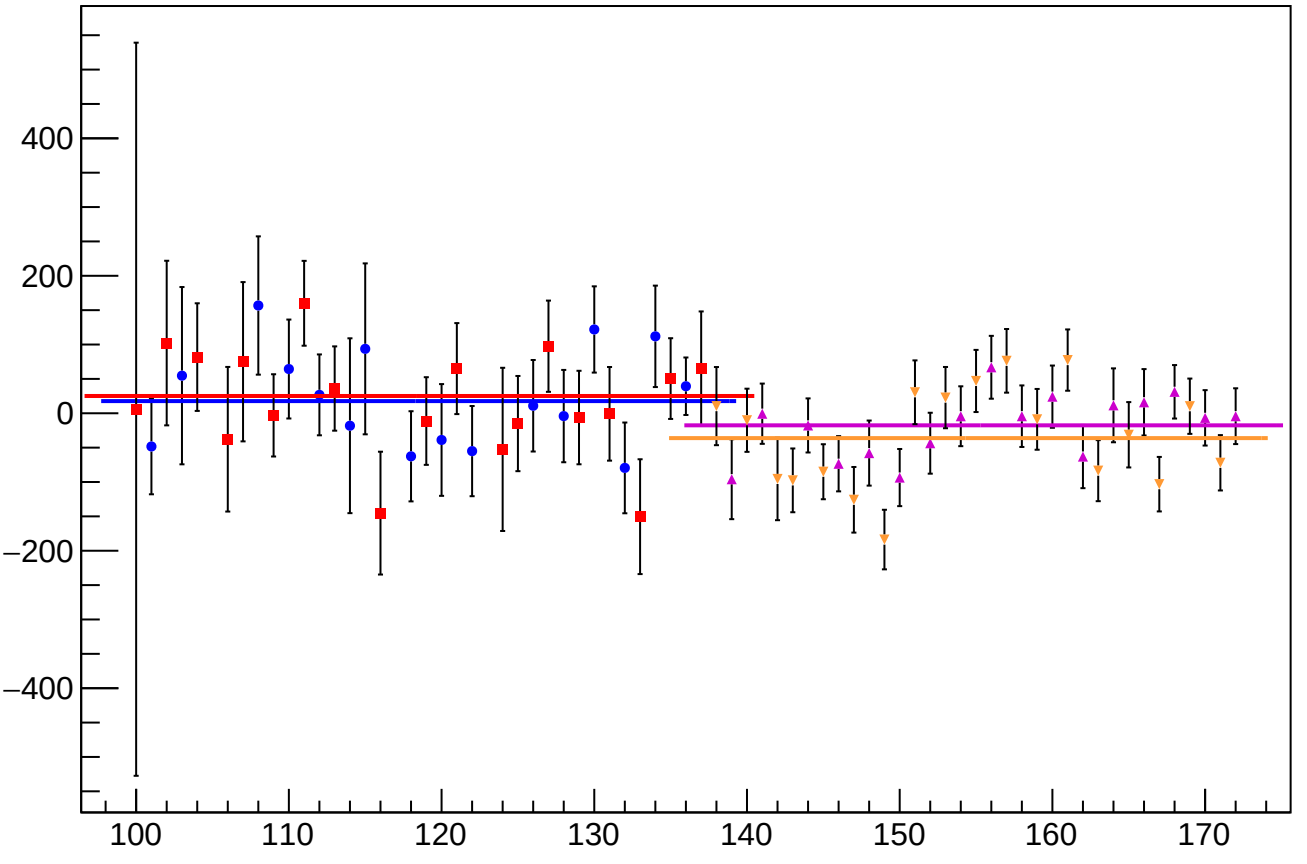
Left: 320.844+/-0.044 χ^2/NDF: 2413057.9/34

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 348.246+/-0.056 χ^2/NDF:3275470.3/32

Out: 351.762+/-0.056 χ^2/NDF:3481483.5/36

All: 350.000+/-0.040 χ^2/NDF: 6758932.2/69



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -36.140+/-10.612 χ^2/NDF:46.4/17

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -17.553+/-10.696 χ^2/NDF:16.3/16

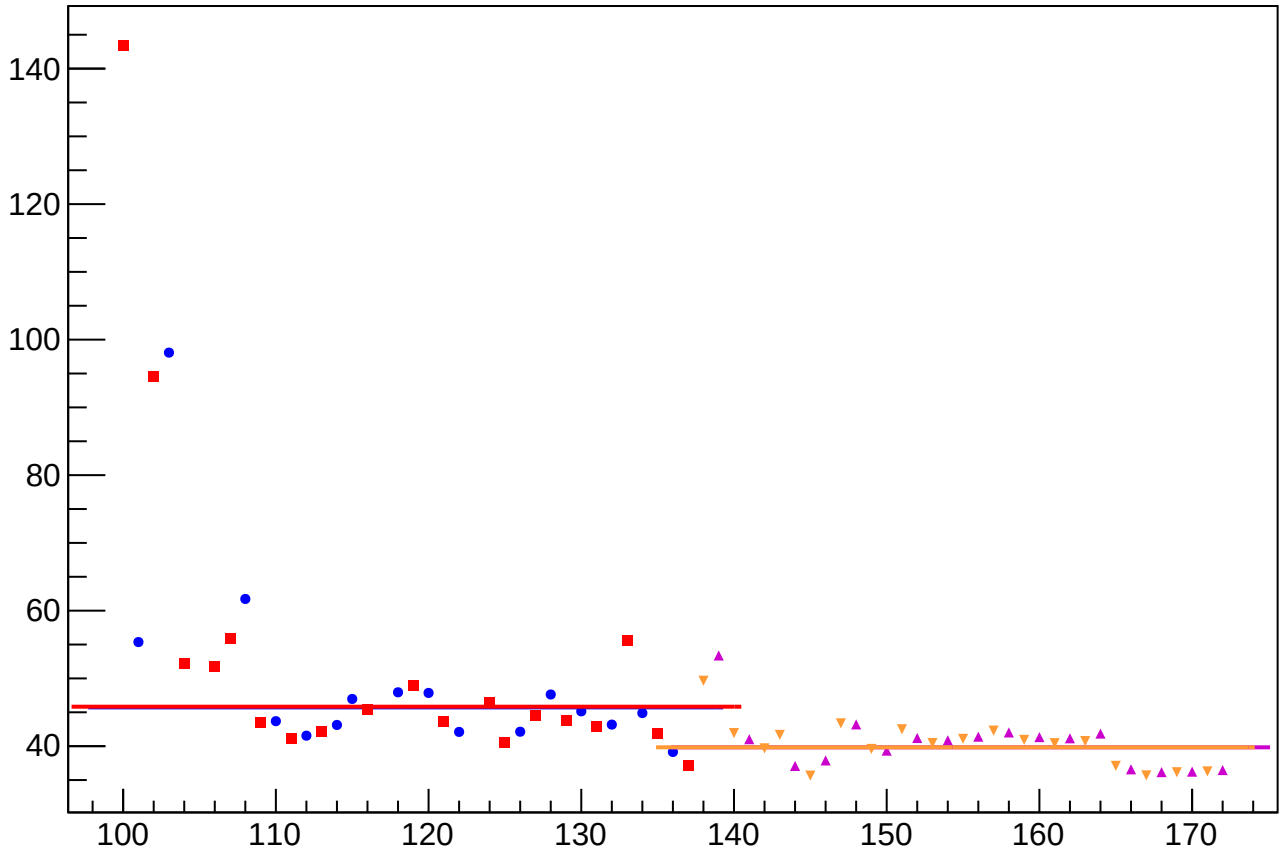
Left: -26.920+/-7.533 χ^2/NDF: 64.2/34

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -7.939+/-9.122 χ^2/NDF:33.2/32

Out: -19.441+/-9.051 χ^2/NDF:73.5/36

All: -13.735+/-6.425 χ^2/NDF: 107.5/69



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.832+/-0.008 χ^2/NDF:177227.9/17

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.830+/-0.008 χ^2/NDF:208514.3/16

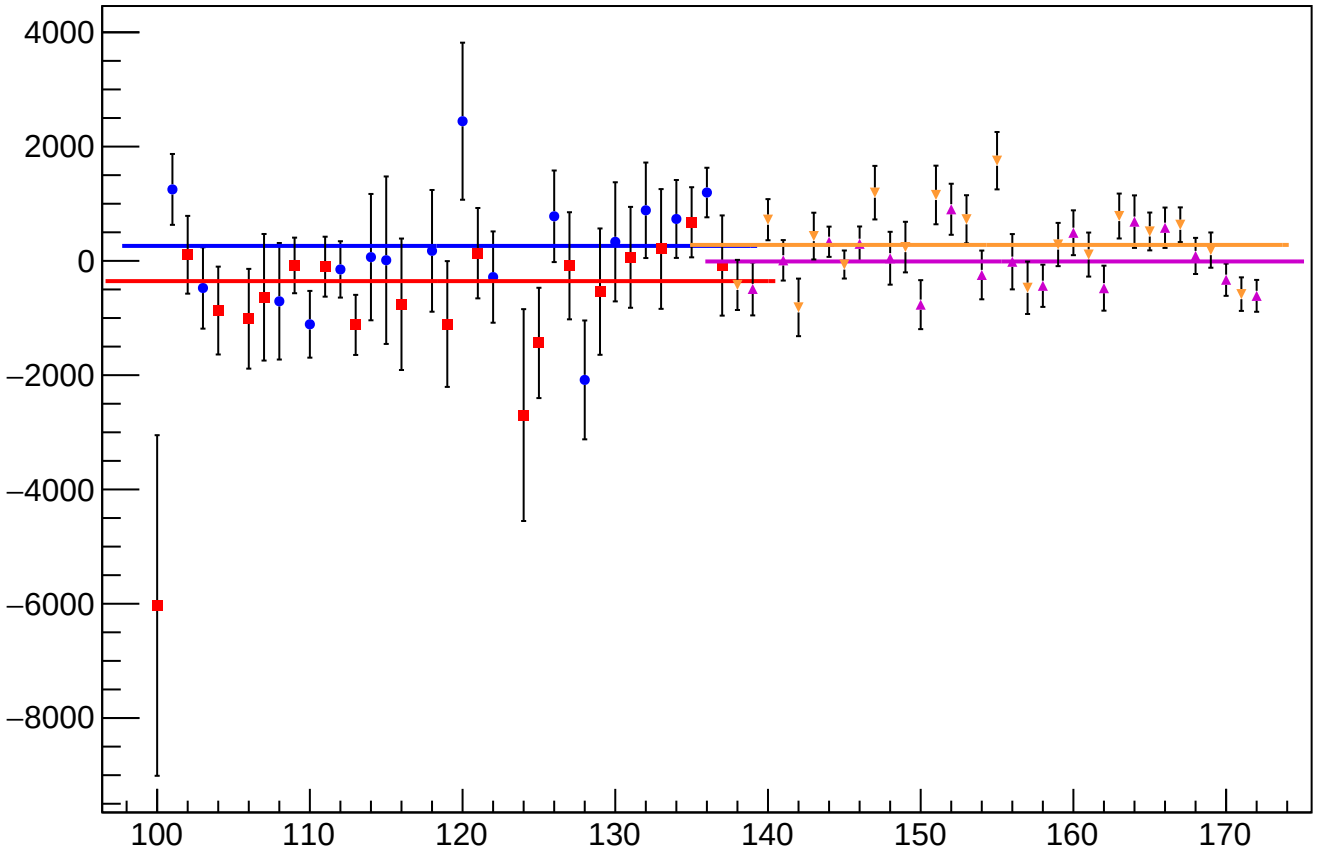
Left: 39.831+/-0.005 χ^2/NDF: 385742.3/34

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 41.438+/-0.006 χ^2/NDF:875690.7/32

Out: 41.465+/-0.006 χ^2/NDF:889522.6/36

All: 41.452+/-0.005 χ^2/NDF: 1765222.3/69



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 279.367+/-87.869 χ^2/NDF:42.4/17

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: 133.692+/-61.935 χ^2/NDF: 74.8/34

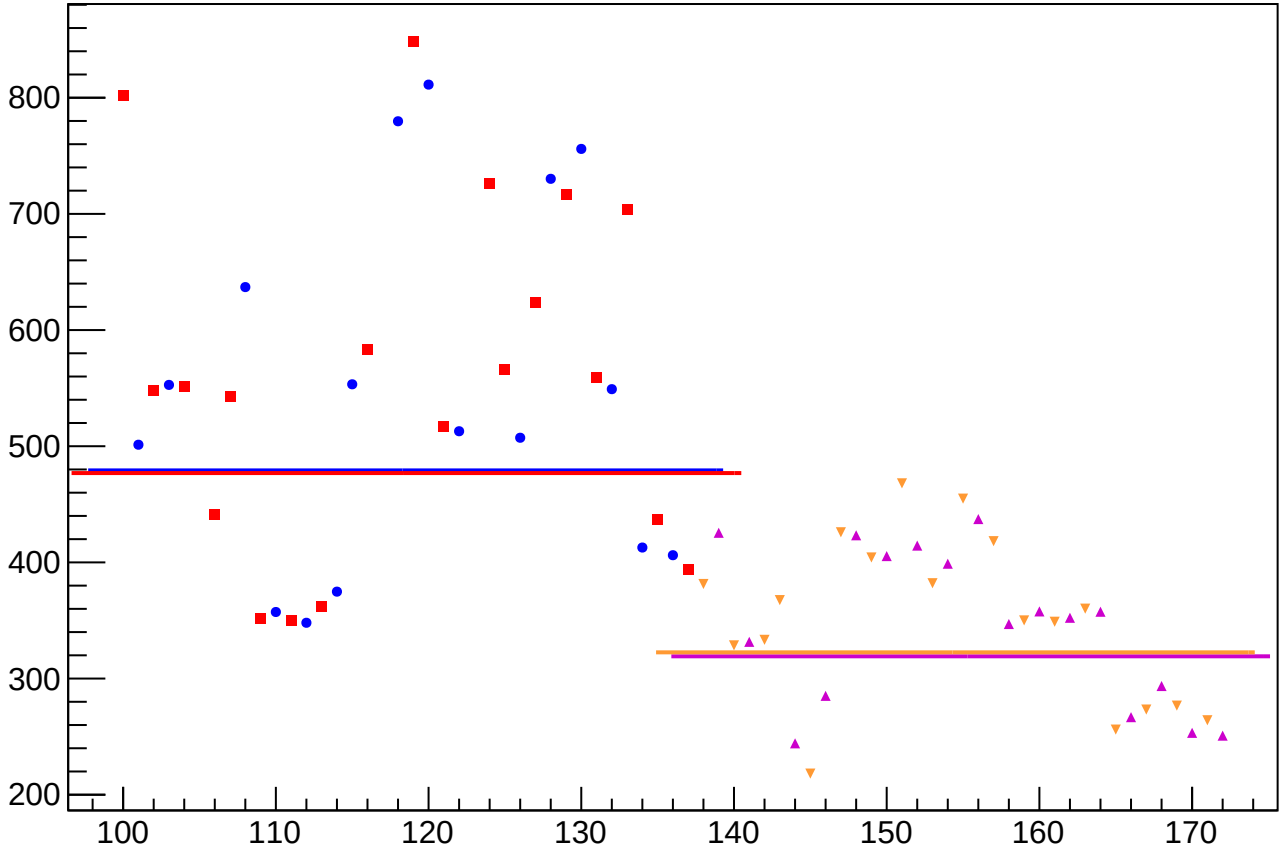
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 39.330+/-78.977 χ^2/NDF:53.7/32

Out: 159.498+/-79.122 χ^2/NDF:67.4/36

All: 99.304+/-55.896 χ^2/NDF: 122.3/69

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: 322.563+/-0.062 χ^2/NDF:1310459.0/17

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 319.147+/-0.062 χ^2/NDF:1101077.9/16

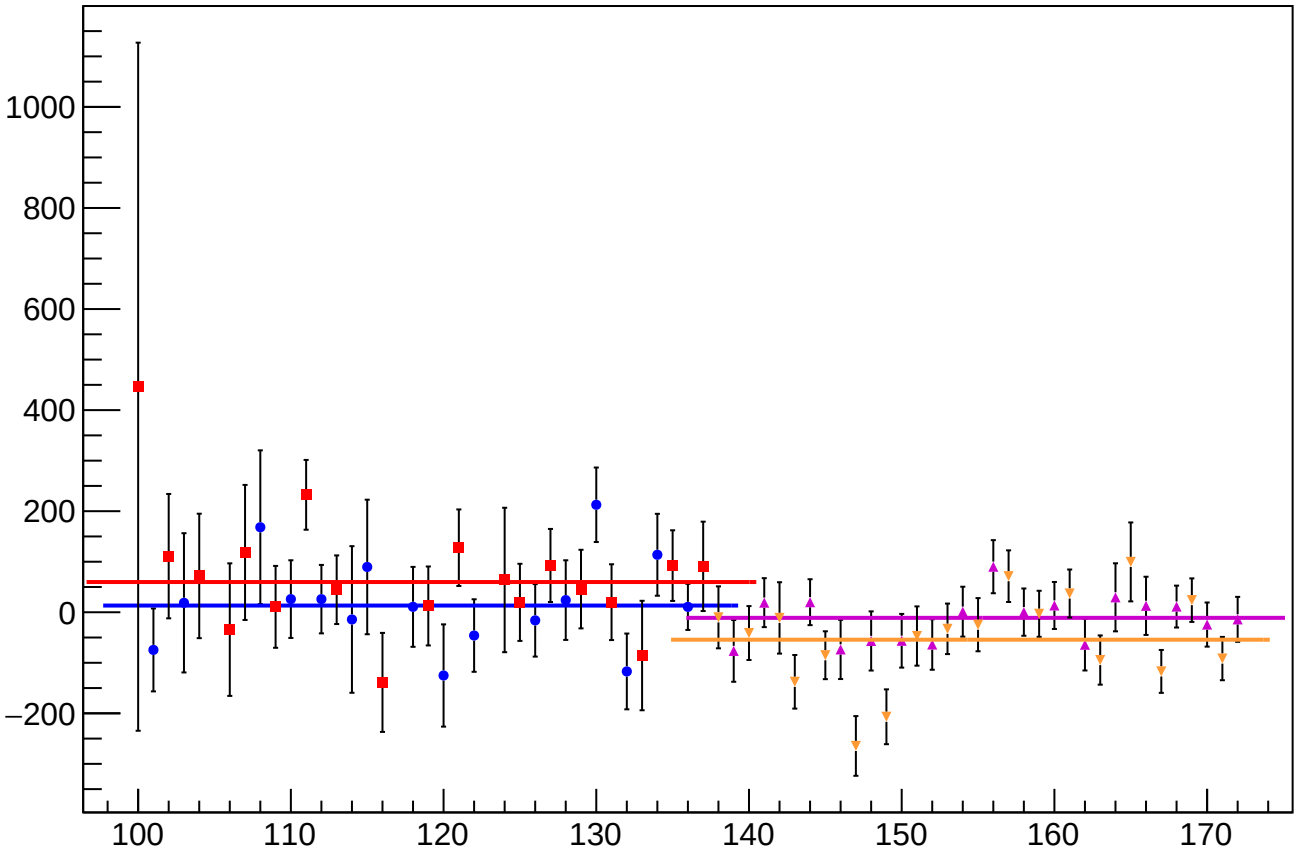
Left: 320.844+/-0.044 χ^2/NDF: 2413057.9/34

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 348.246+/-0.056 χ^2/NDF:3275470.3/32

Out: 351.762+/-0.056 χ^2/NDF:3481483.5/36

All: 350.000+/-0.040 χ^2/NDF: 6758932.2/69



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -54.331+/-12.102 χ^2/NDF:46.8/17

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: -32.858+/-8.589 χ^2/NDF: 64.8/34

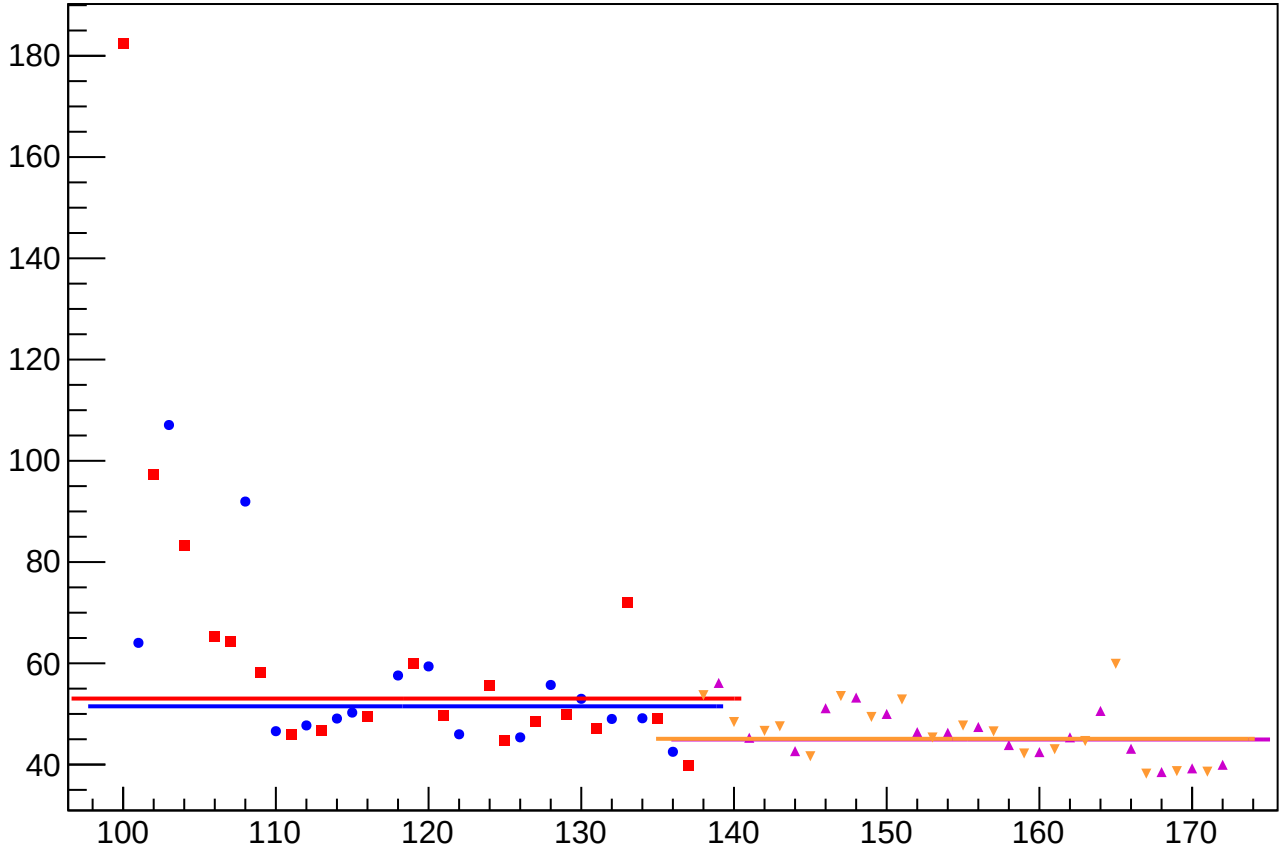
Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -4.397+/-10.389 χ^2/NDF:30.0/32

Out: -24.259+/-10.386 χ^2/NDF:86.3/36

All: -14.331+/-7.345 χ^2/NDF: 118.2/69

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: 45.088+/-0.009 χ^2/NDF:384853.4/17

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 44.953+/-0.009 χ^2/NDF:290418.5/16

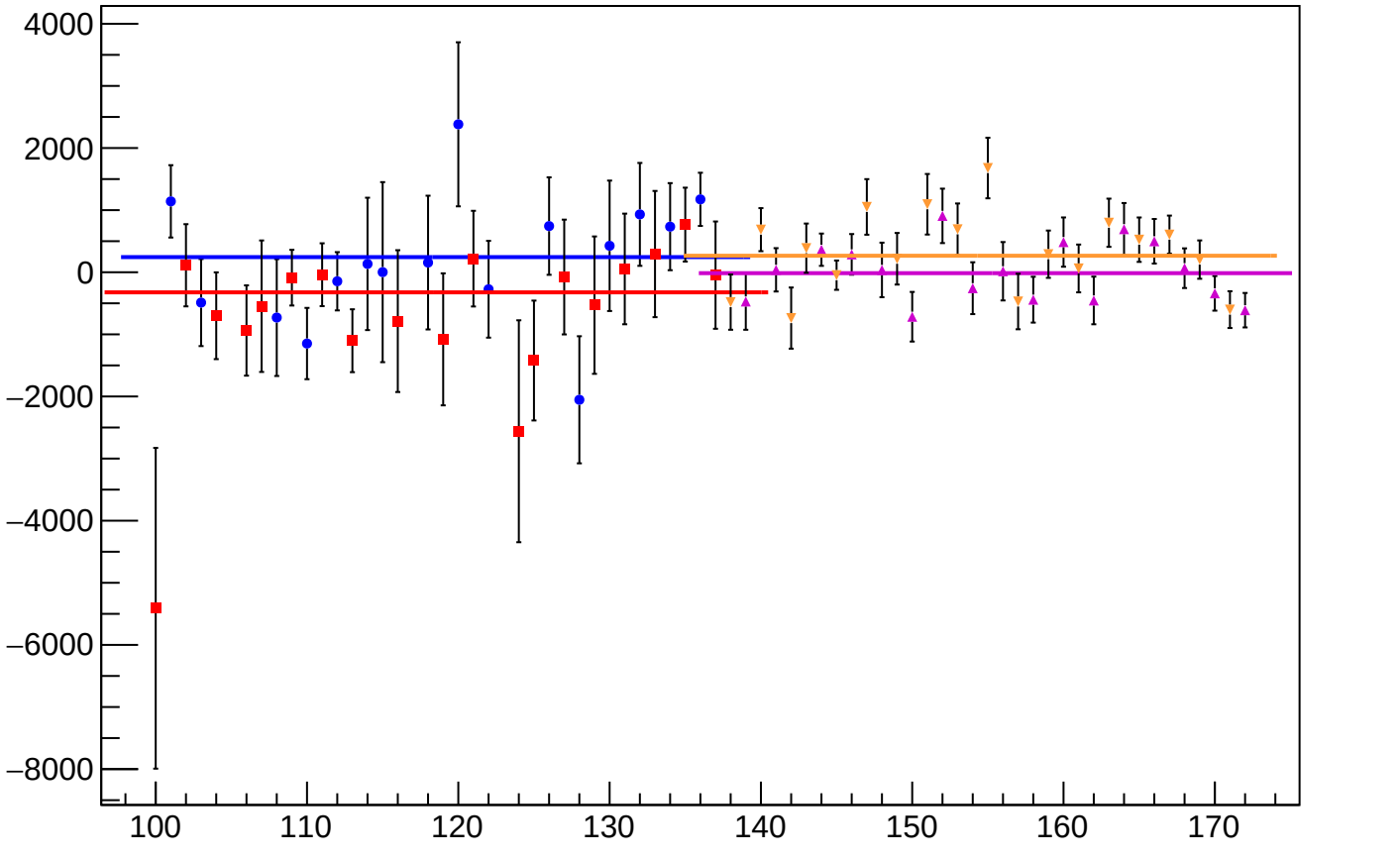
Left: 45.021+/-0.006 χ^2/NDF: 675395.2/34

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 46.748+/-0.007 χ^2/NDF:1115712.5/32

Out: 47.183+/-0.007 χ^2/NDF:1325120.7/36

All: 46.965+/-0.005 χ^2/NDF: 2442581.3/69



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 265.694+/-86.879 χ^2/NDF:41.0/17

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: 124.861+/-61.295 χ^2/NDF: 73.2/34

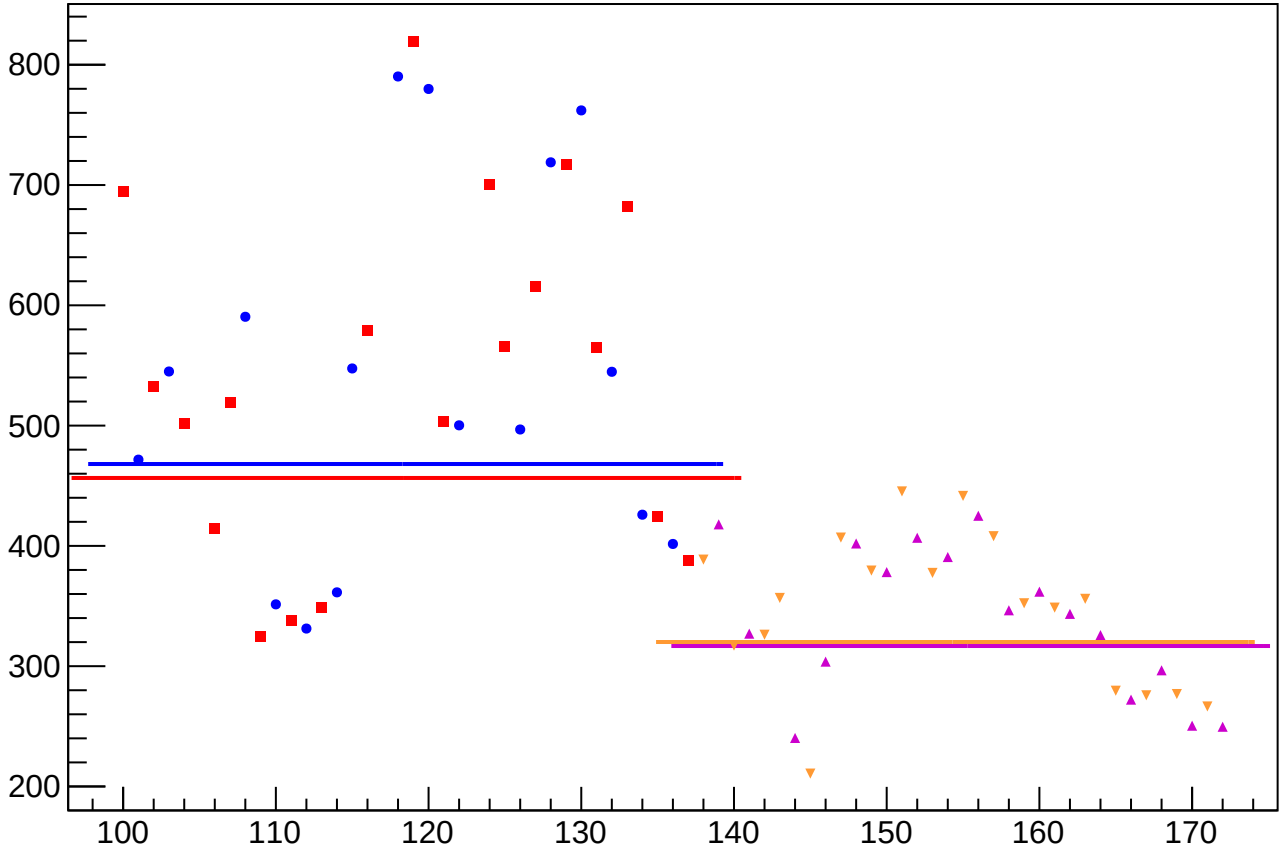
Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 33.402+/-78.028 χ^2/NDF:54.3/32

Out: 147.693+/-77.696 χ^2/NDF:66.7/36

All: 90.791+/-55.056 χ^2/NDF: 122.0/69

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: 320.101+/-0.061 χ^2/NDF:1197604.4/17

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 316.763+/-0.061 χ^2/NDF:970742.7/16

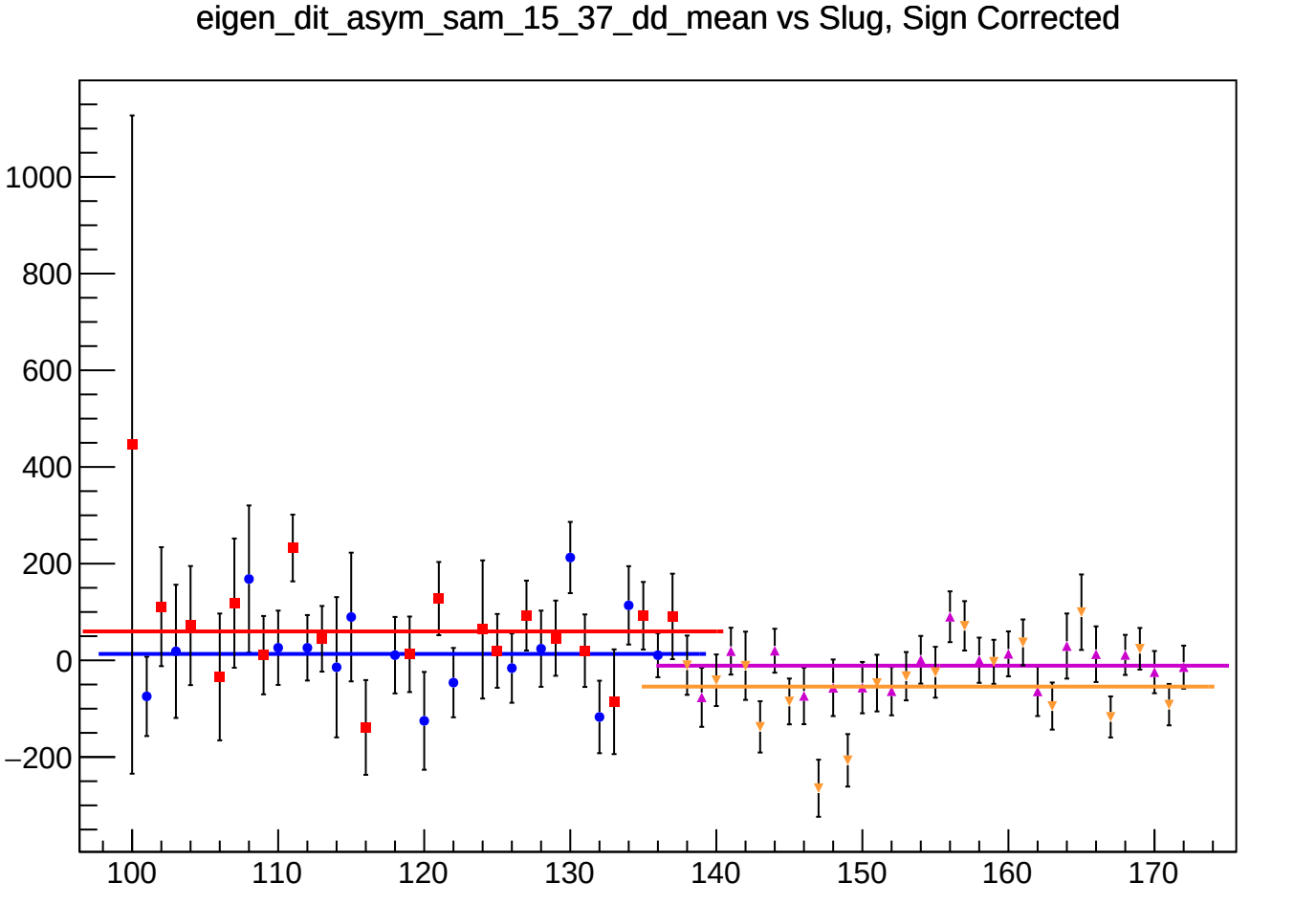
Left: 318.424+/-0.043 χ^2/NDF: 2169829.6/34

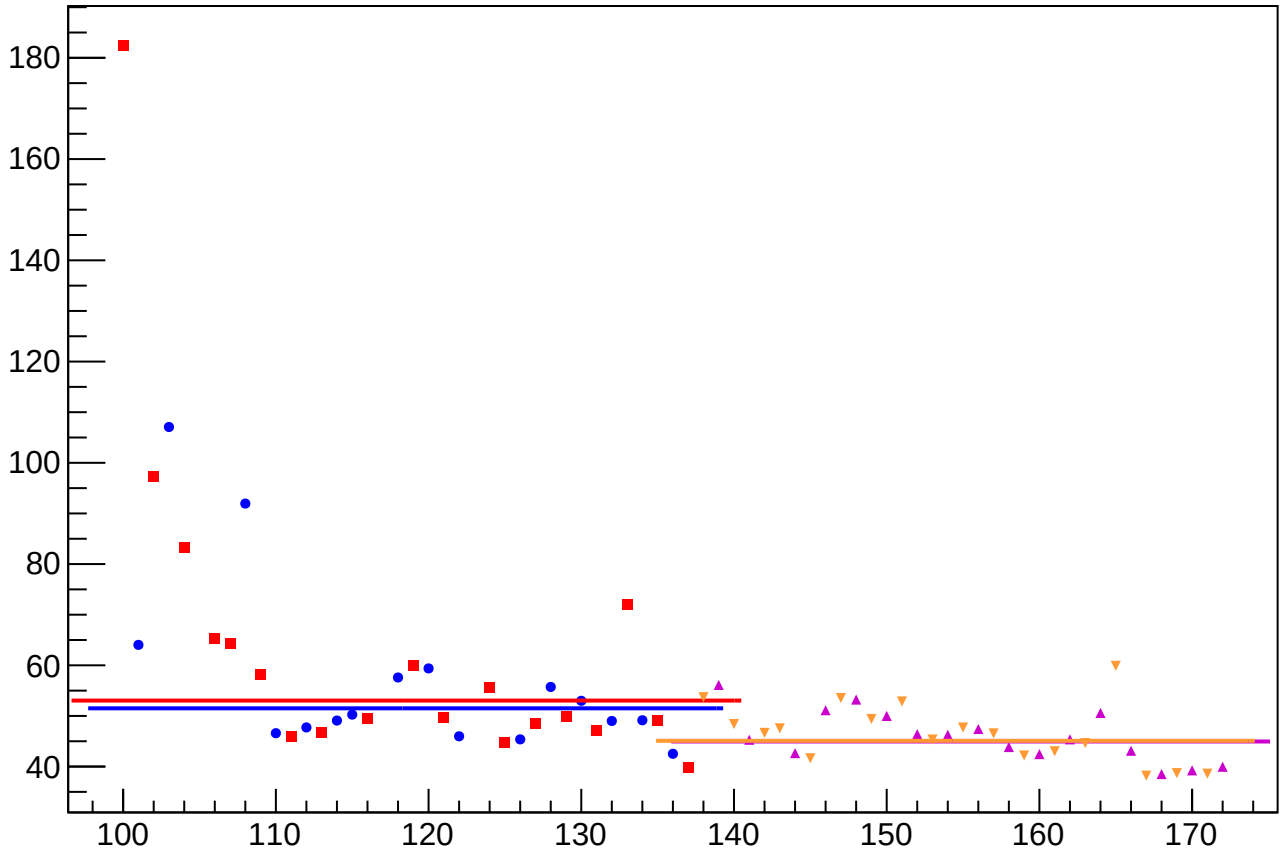
Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 344.921+/-0.055 χ^2/NDF:3092719.9/32

Out: 347.406+/-0.055 χ^2/NDF:3266806.4/36

All: 346.169+/-0.039 χ^2/NDF: 6360544.5/69


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: -54.331+/-12.102 χ²/NDF:46.8/17
Right Out: 59.811+/-20.234 χ²/NDF: 16.1/18
Left In: -11.061+/-12.192 χ²/NDF:11.7/16
Left: -32.858+/-8.589 χ²/NDF: 64.8/34
Right: 36.092+/-14.170 χ²/NDF: 36.0/34
In: -4.397+/-10.389 χ²/NDF:30.0/32
Out: -24.258+/-10.386 χ²/NDF:86.3/36
All: -14.331+/-7.345 χ²/NDF: 118.2/69



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 45.088+/-0.009 χ^2/NDF:384858.0/17

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: 45.021+/-0.006 χ^2/NDF: 675400.4/34

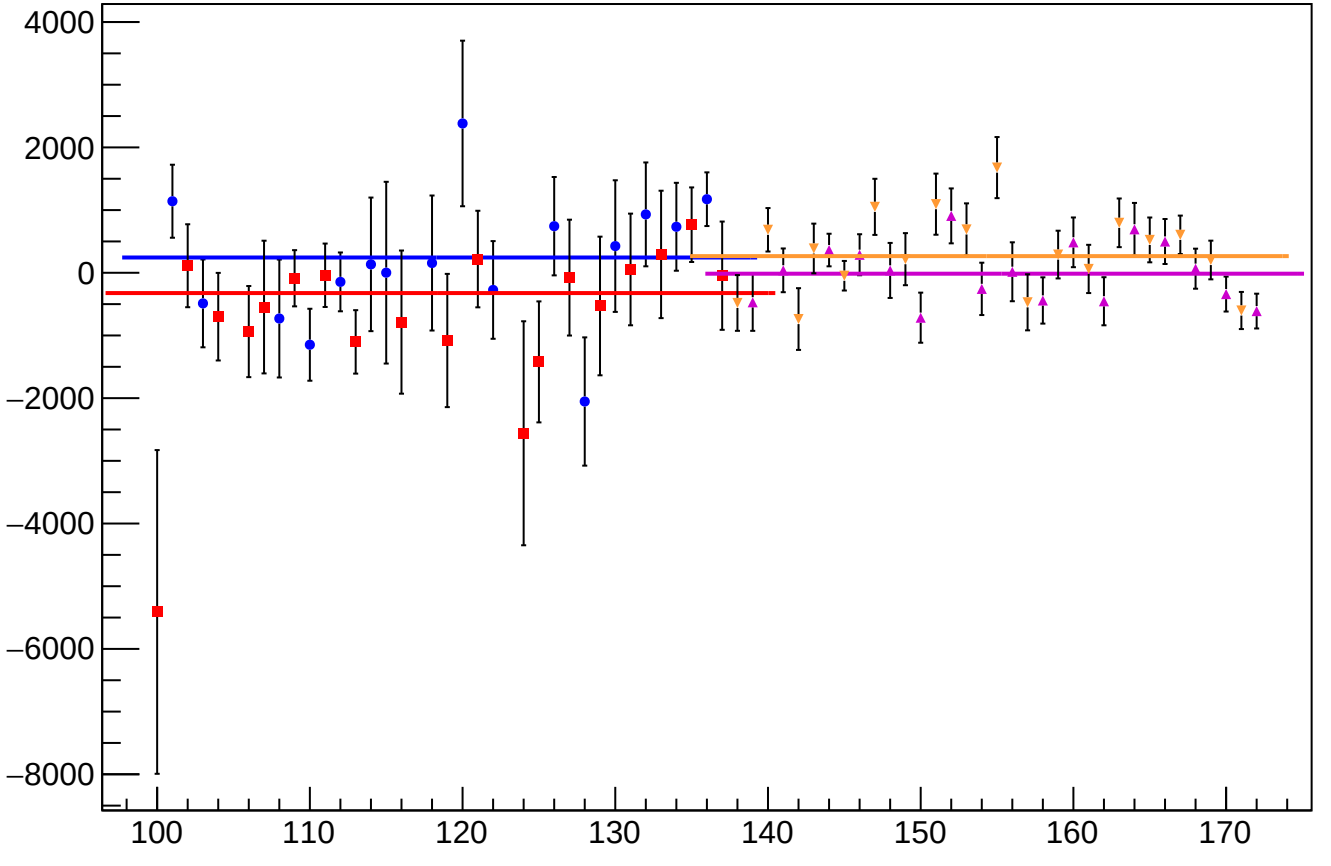
Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 46.748+/-0.007 χ^2/NDF:1115717.8/32

Out: 47.183+/-0.007 χ^2/NDF:1325135.8/36

All: 46.965+/-0.005 χ^2/NDF: 2442601.8/69

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 265.695+/-86.879 χ^2/NDF:41.0/17

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -14.714+/-86.490 χ^2/NDF:27.0/16

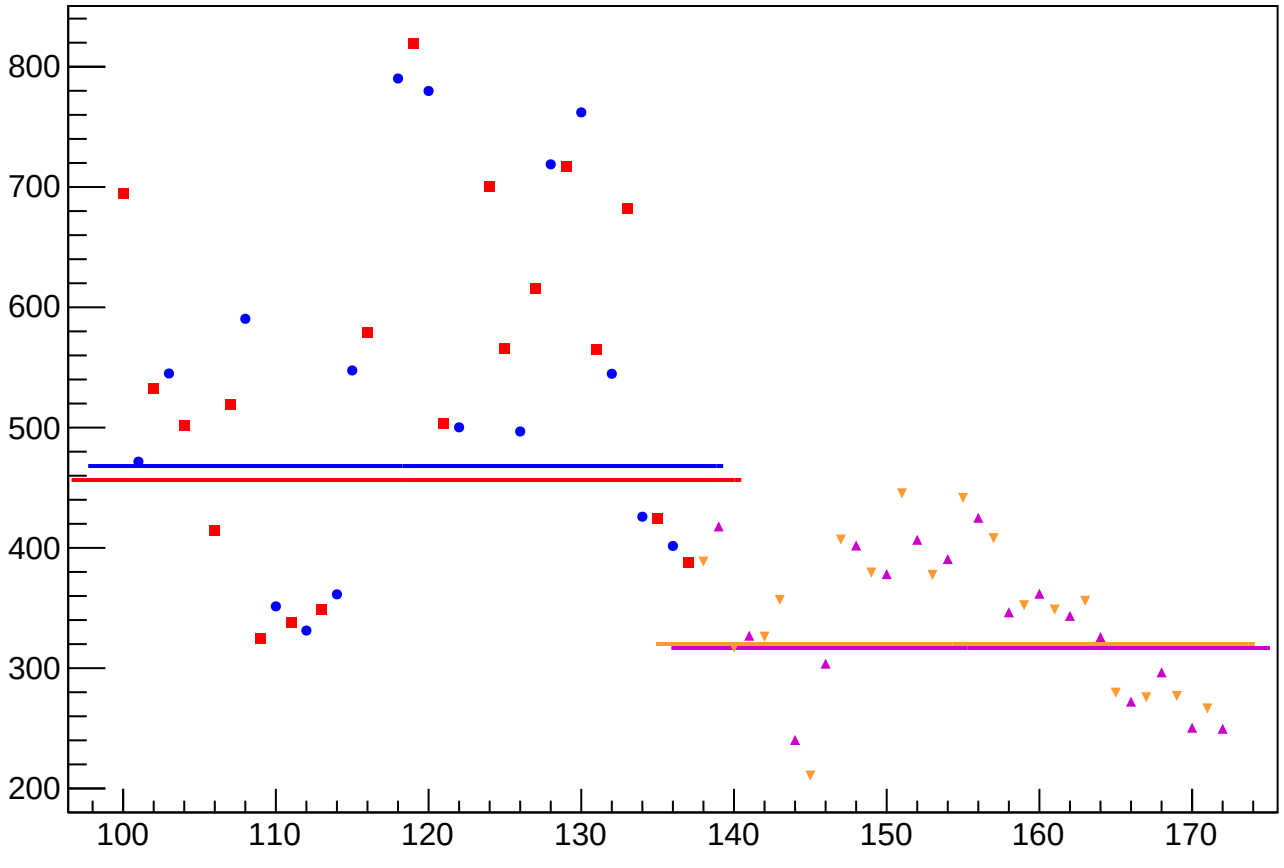
Left: 124.862+/-61.295 χ^2/NDF: 73.2/34

Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 33.402+/-78.028 χ^2/NDF:54.3/32

Out: 147.693+/-77.696 χ^2/NDF:66.7/36

All: 90.792+/-55.056 χ^2/NDF: 122.0/69



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 320.101+/-0.061 χ^2/NDF:1197604.2/17

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 316.763+/-0.061 χ^2/NDF:970739.4/16

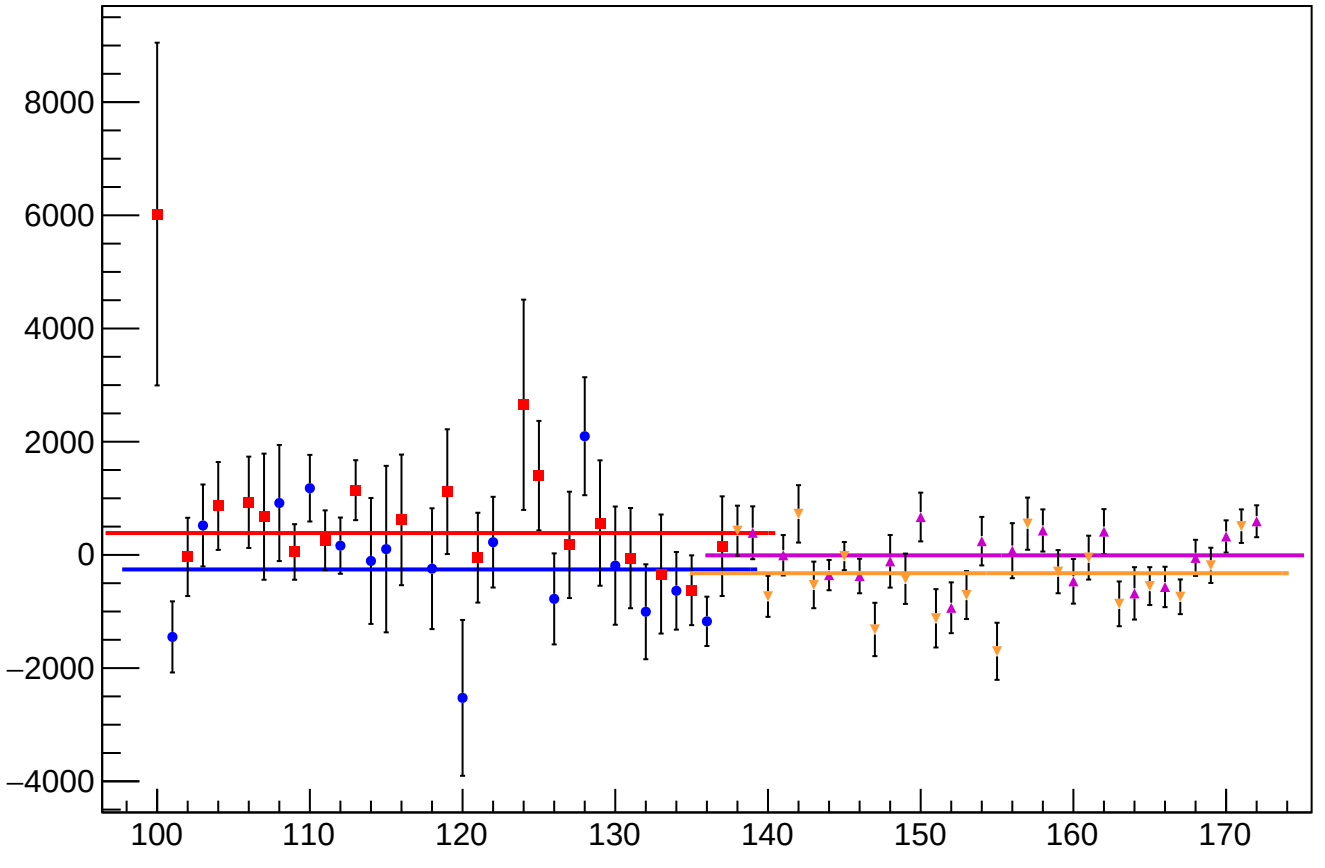
Left: 318.425+/-0.043 χ^2/NDF: 2169825.9/34

Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 344.922+/-0.055 χ^2/NDF:3092703.7/32

Out: 347.406+/-0.055 χ^2/NDF:3266792.2/36

All: 346.169+/-0.039 χ^2/NDF: 6360514.0/69



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -323.193+/-88.586 χ^2/NDF:41.7/17

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: -164.501+/-62.445 χ^2/NDF: 73.5/34

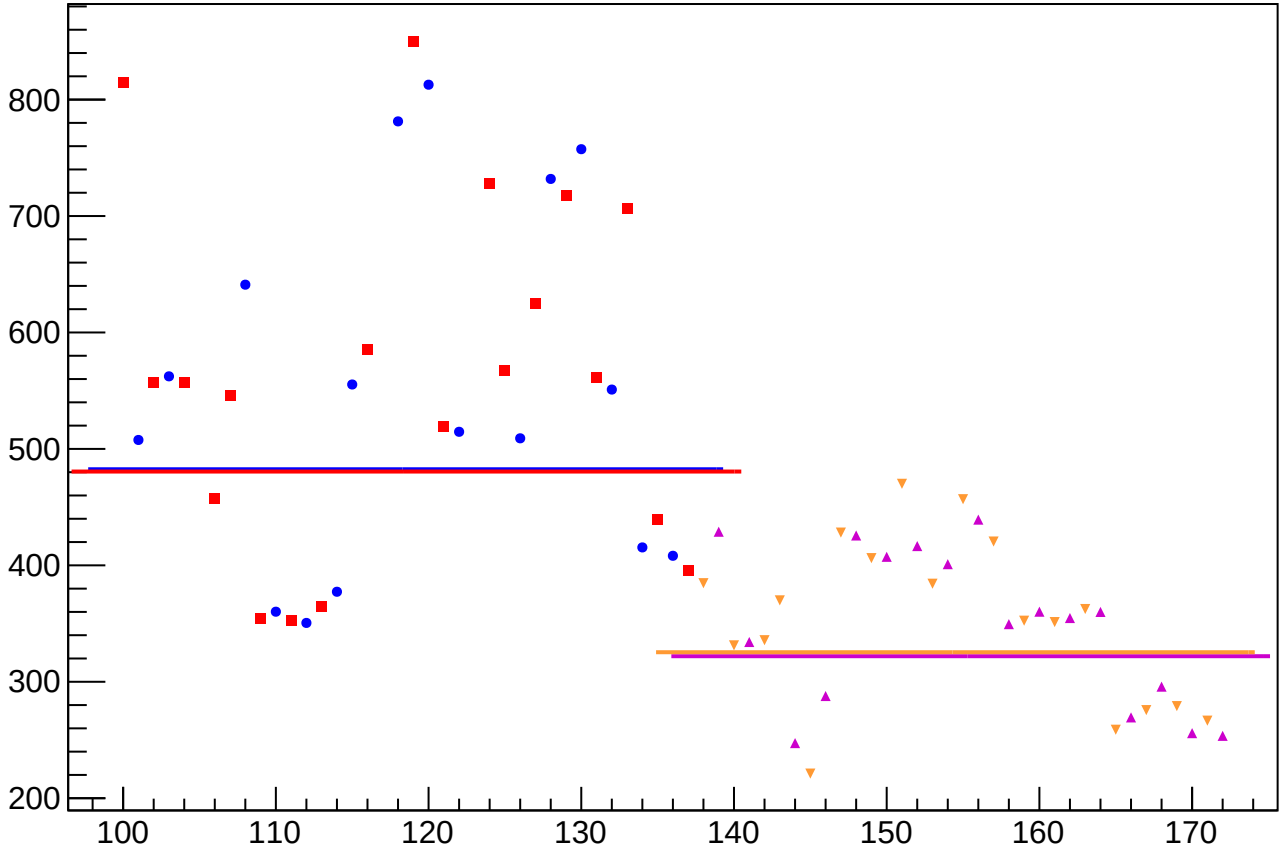
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -53.153+/-79.611 χ^2/NDF:53.8/32

Out: -187.708+/-79.682 χ^2/NDF:68.2/36

All: -120.370+/-56.319 χ^2/NDF: 123.4/69

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 325.385+/-0.063 χ^2/NDF:1281609.2/17

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 321.963+/-0.062 χ^2/NDF:1077892.2/16

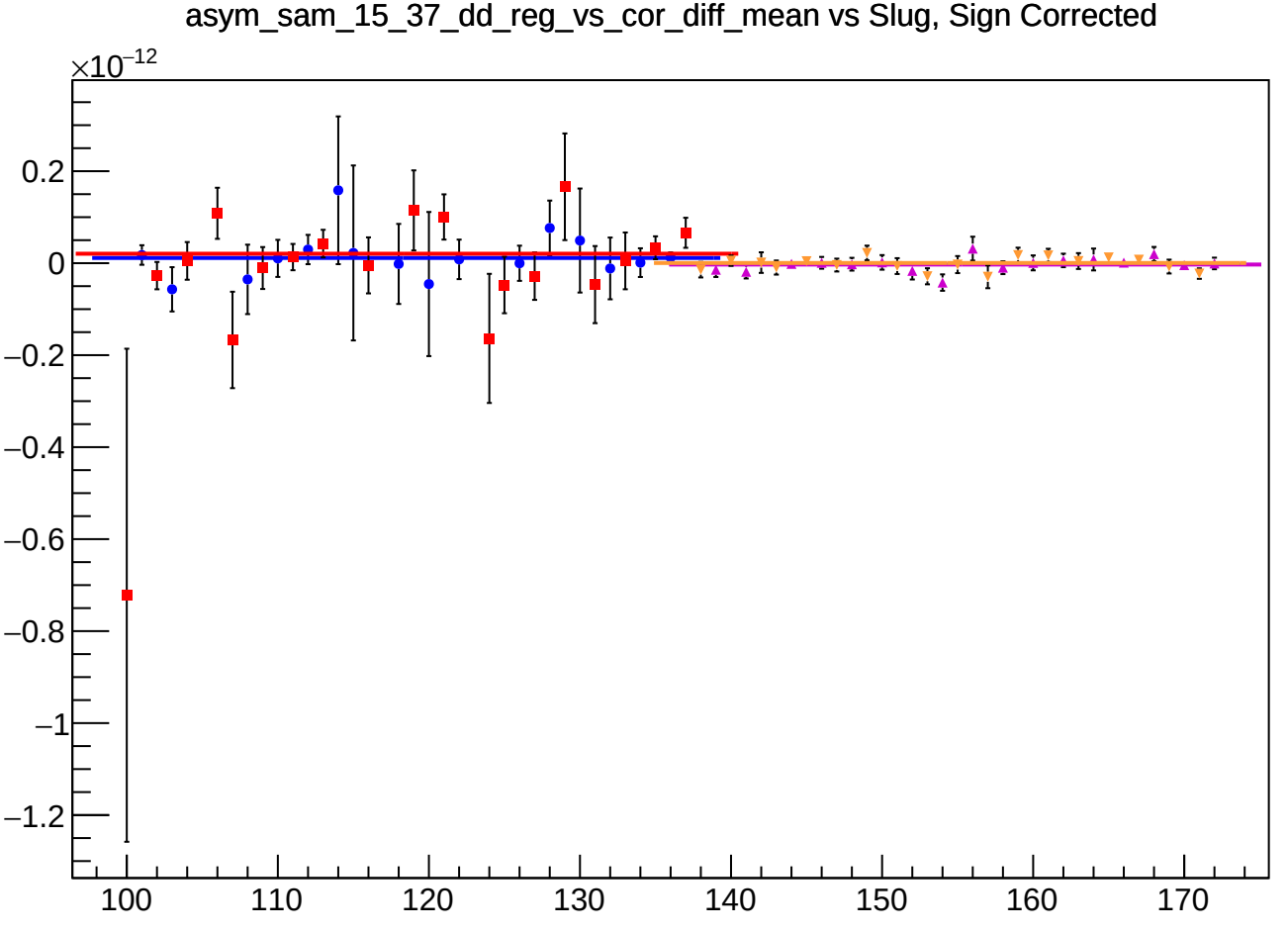
Left: 323.664+/-0.044 χ^2/NDF: 2361003.2/34

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 351.230+/-0.056 χ^2/NDF:3236874.7/32

Out: 355.011+/-0.056 χ^2/NDF:3447020.1/36

All: 353.119+/-0.040 χ^2/NDF: 6686149.3/69



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:12.2/16

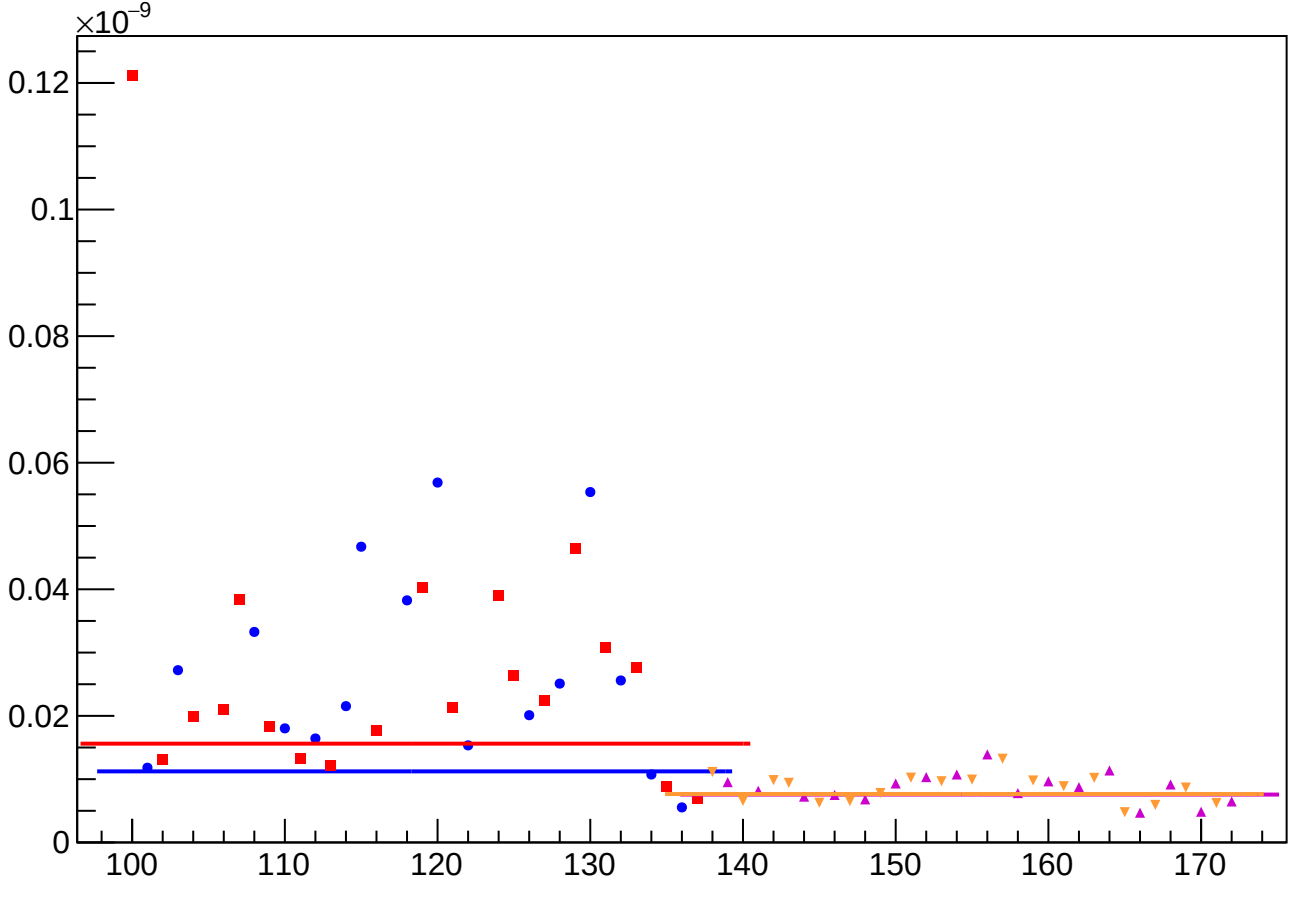
Left: -0.000+/-0.000 χ^2/NDF: 29.3/34

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:43.8/36

All: 0.000+/-0.000 χ^2/NDF: 64.6/69



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:747484.0/17

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: 1501513.7/34

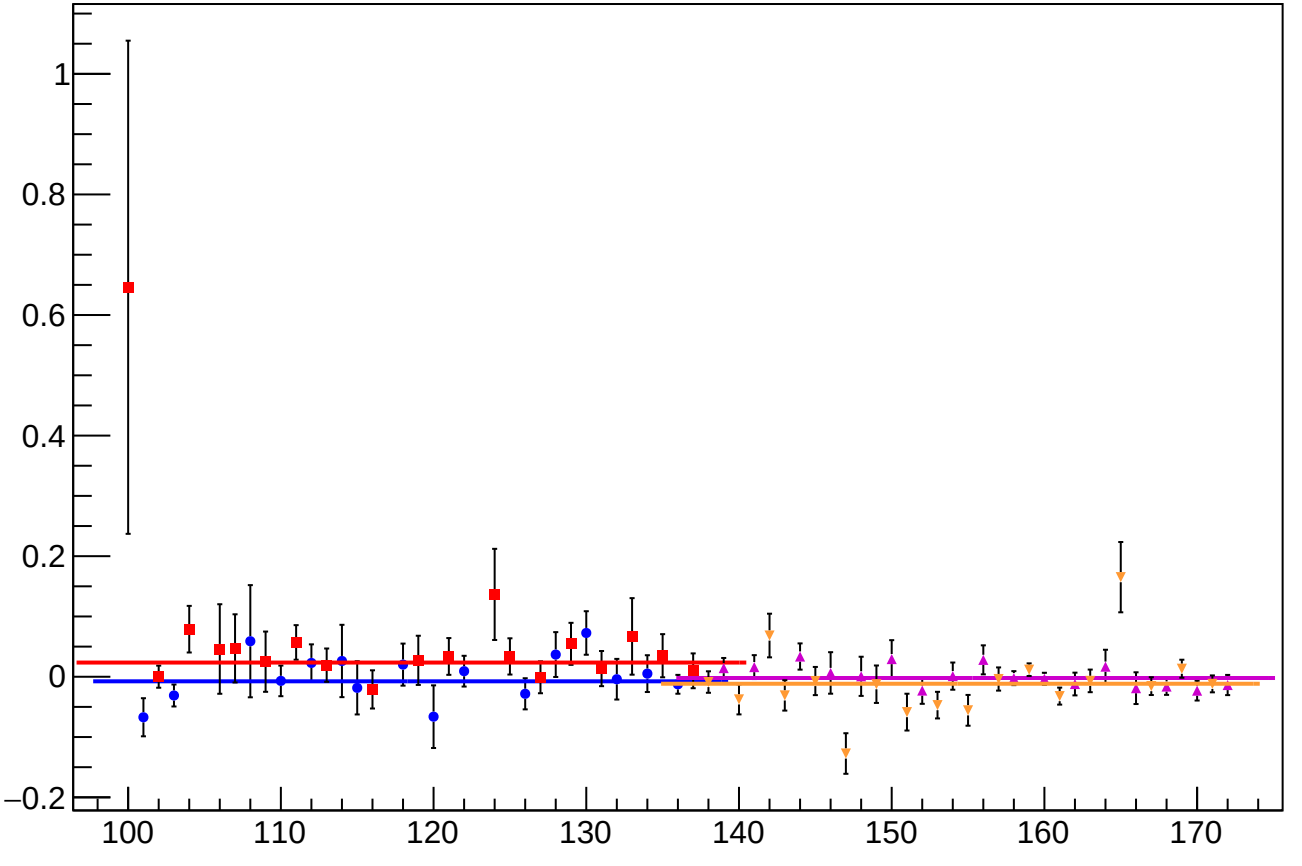
Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:3213201.2/32

Out: 0.000+/-0.000 χ^2/NDF:3024228.6/36

All: 0.000+/-0.000 χ^2/NDF: 6244867.5/69

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: -0.012+/-0.004 χ^2/NDF:45.7/17

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: 60.4/34

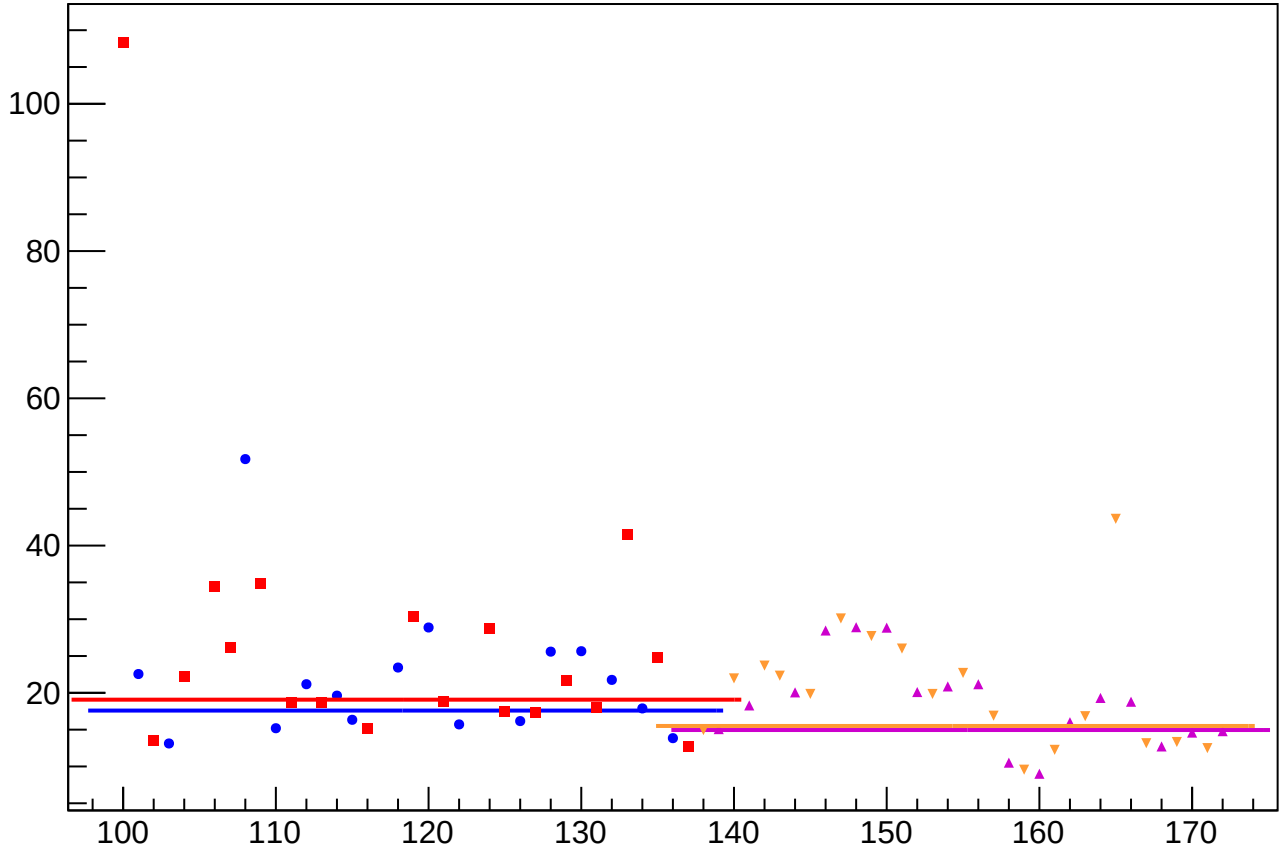
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.004 χ^2/NDF:29.5/32

Out: -0.003+/-0.004 χ^2/NDF:75.8/36

All: -0.003+/-0.003 χ^2/NDF: 105.3/69

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: 15.501+/-0.003 χ^2/NDF:3035744.2/17

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: 15.218+/-0.002 χ^2/NDF: 5817523.0/34

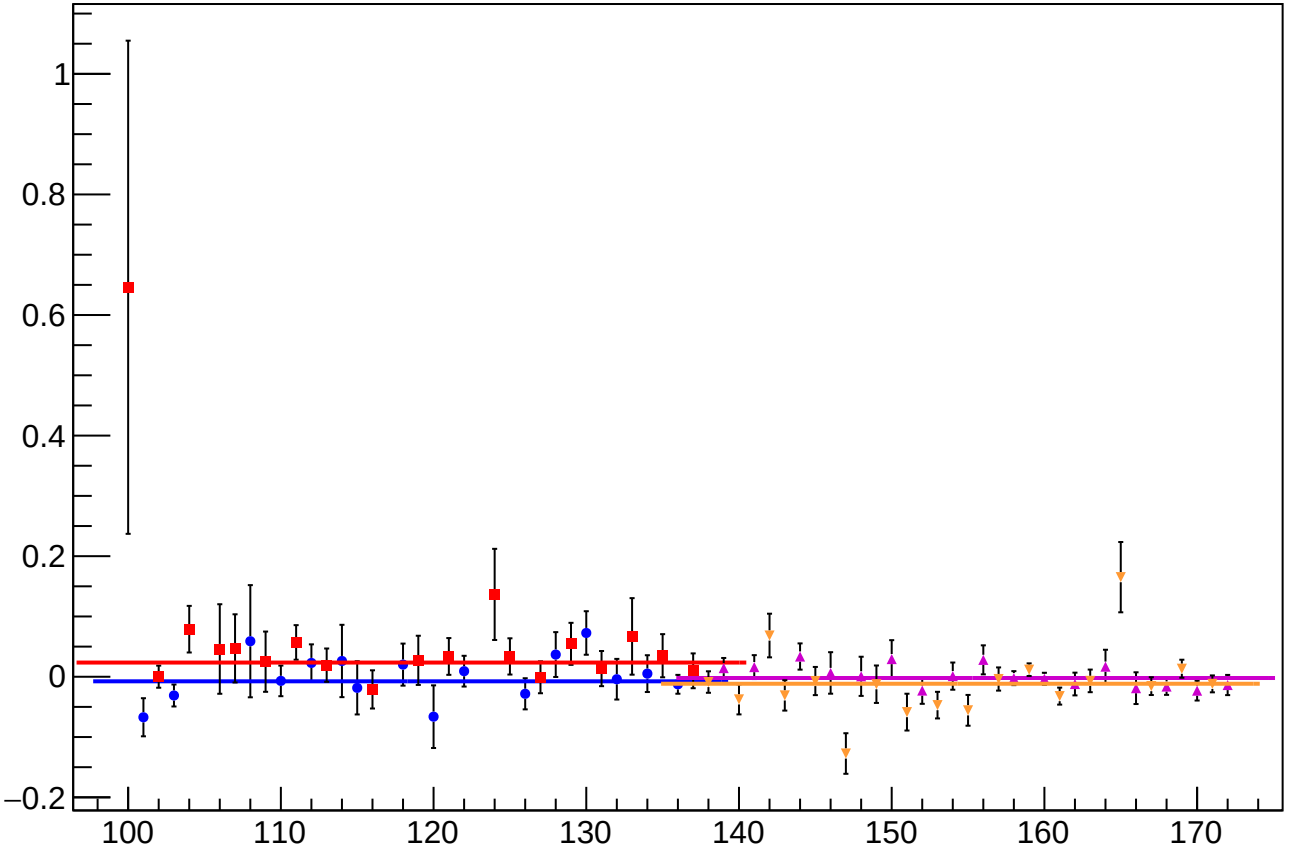
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.662+/-0.003 χ^2/NDF:3956209.1/32

Out: 16.398+/-0.003 χ^2/NDF:4602221.4/36

All: 16.016+/-0.002 χ^2/NDF: 8595784.0/69

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: -0.012+/-0.004 χ^2/NDF:45.7/17

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.002+/-0.004 χ^2/NDF:12.4/16

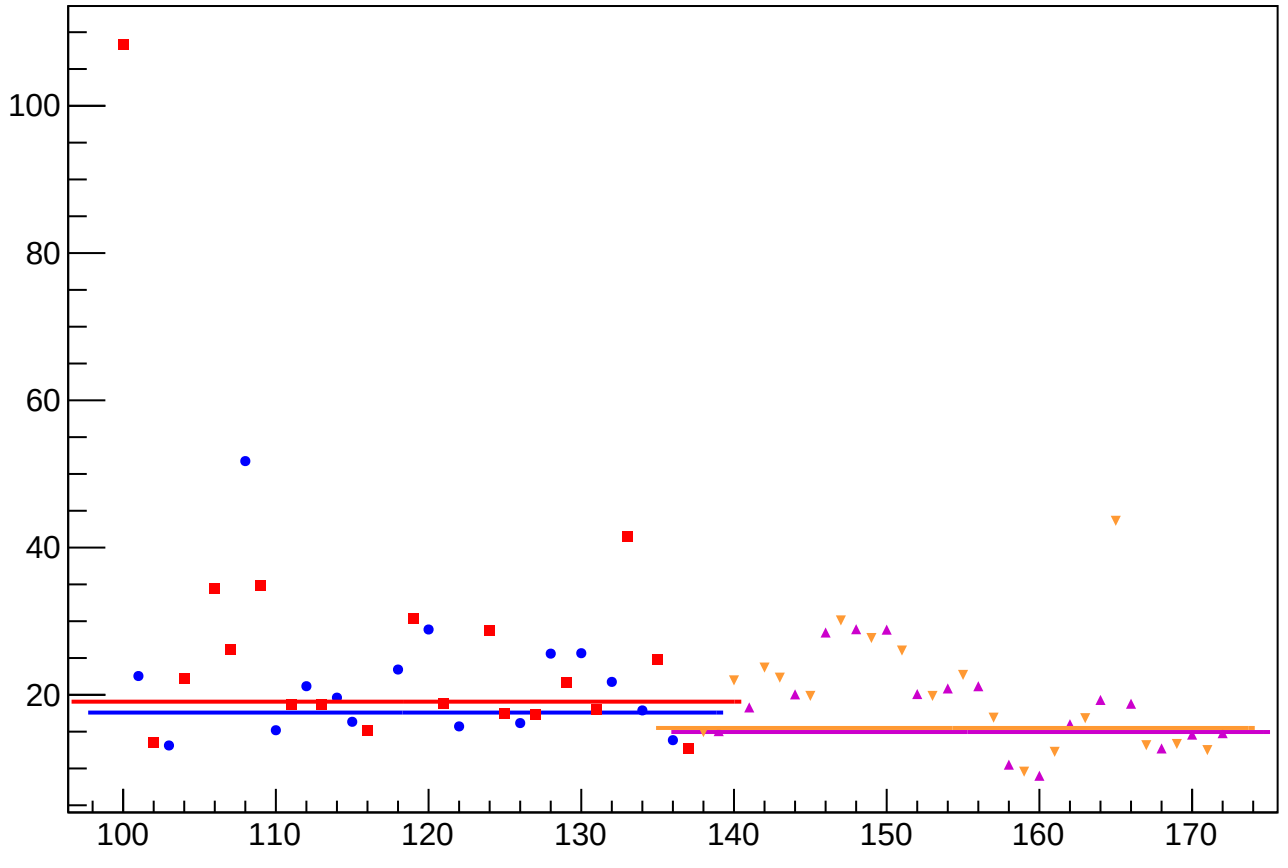
Left: -0.007+/-0.003 χ^2/NDF: 60.4/34

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.004 χ^2/NDF:29.5/32

Out: -0.003+/-0.004 χ^2/NDF:75.8/36

All: -0.003+/-0.003 χ^2/NDF: 105.3/69



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 15.501+/-0.003 χ^2/NDF:3035744.2/17

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: 15.218+/-0.002 χ^2/NDF: 5817523.0/34

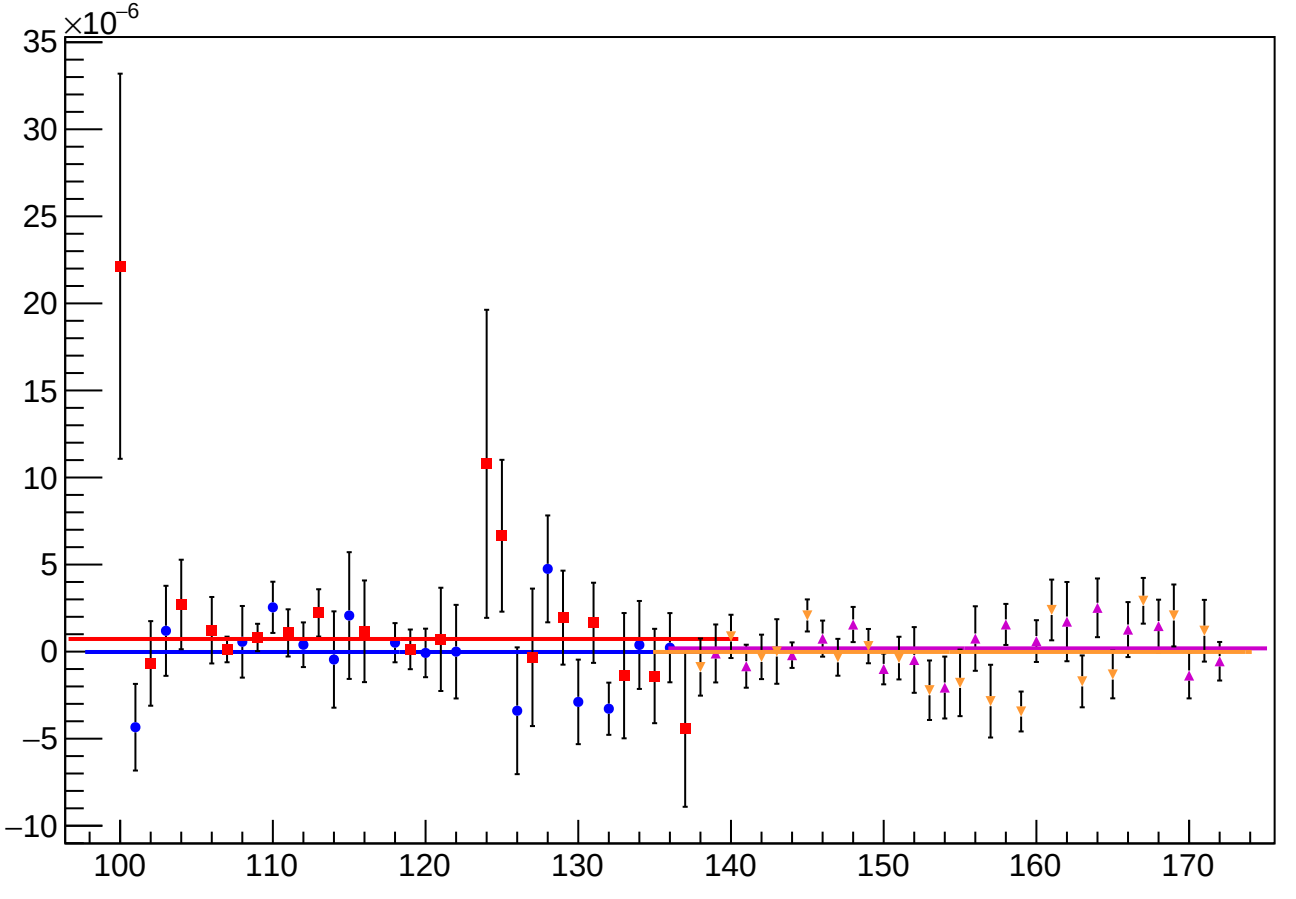
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.662+/-0.003 χ^2/NDF:3956209.1/32

Out: 16.398+/-0.003 χ^2/NDF:4602221.4/36

All: 16.016+/-0.002 χ^2/NDF: 8595784.0/69

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:30.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/16

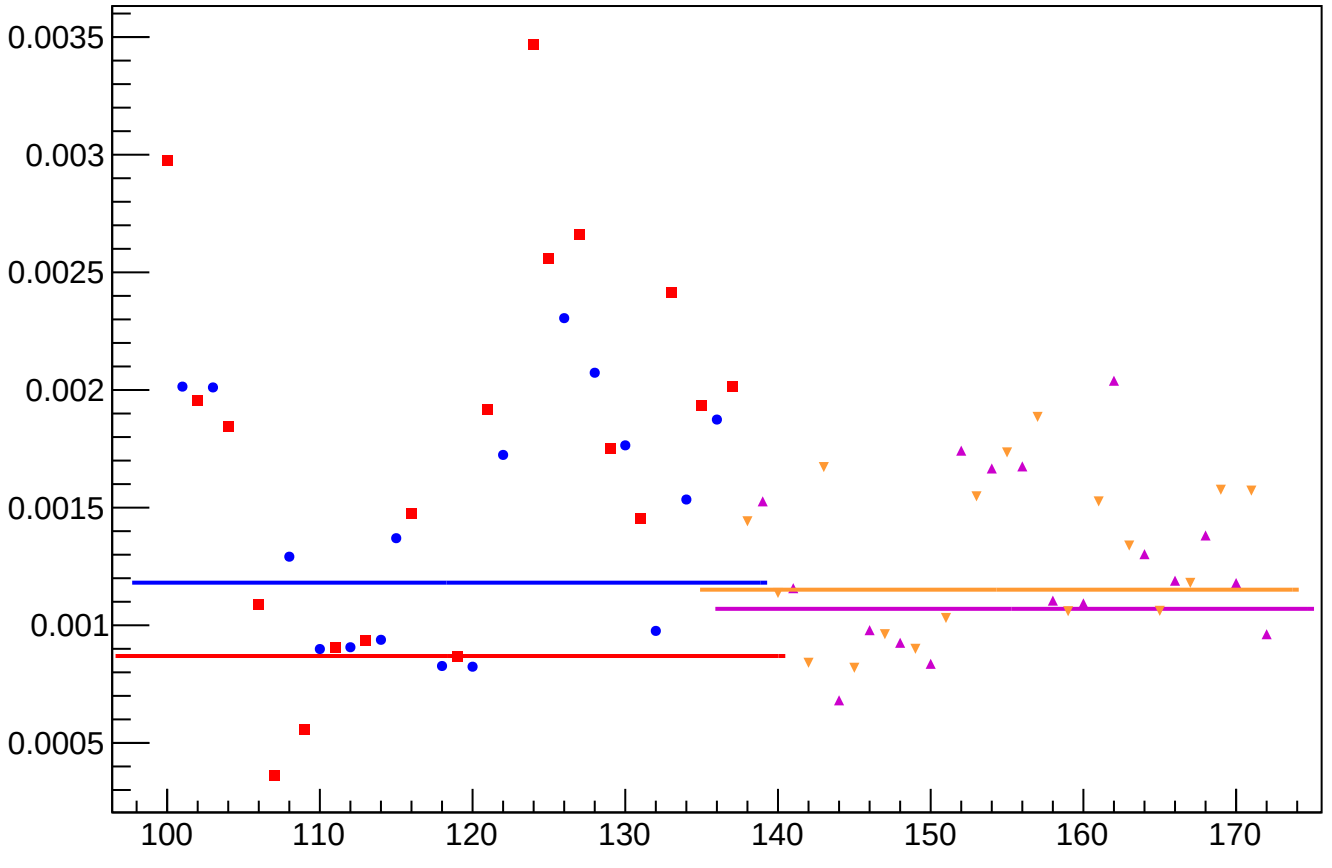
Left: 0.000+/-0.000 χ^2/NDF: 44.4/34

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:45.7/36

All: 0.000+/-0.000 χ^2/NDF: 76.1/69



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1727175.9/17

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: 3939718.3/34

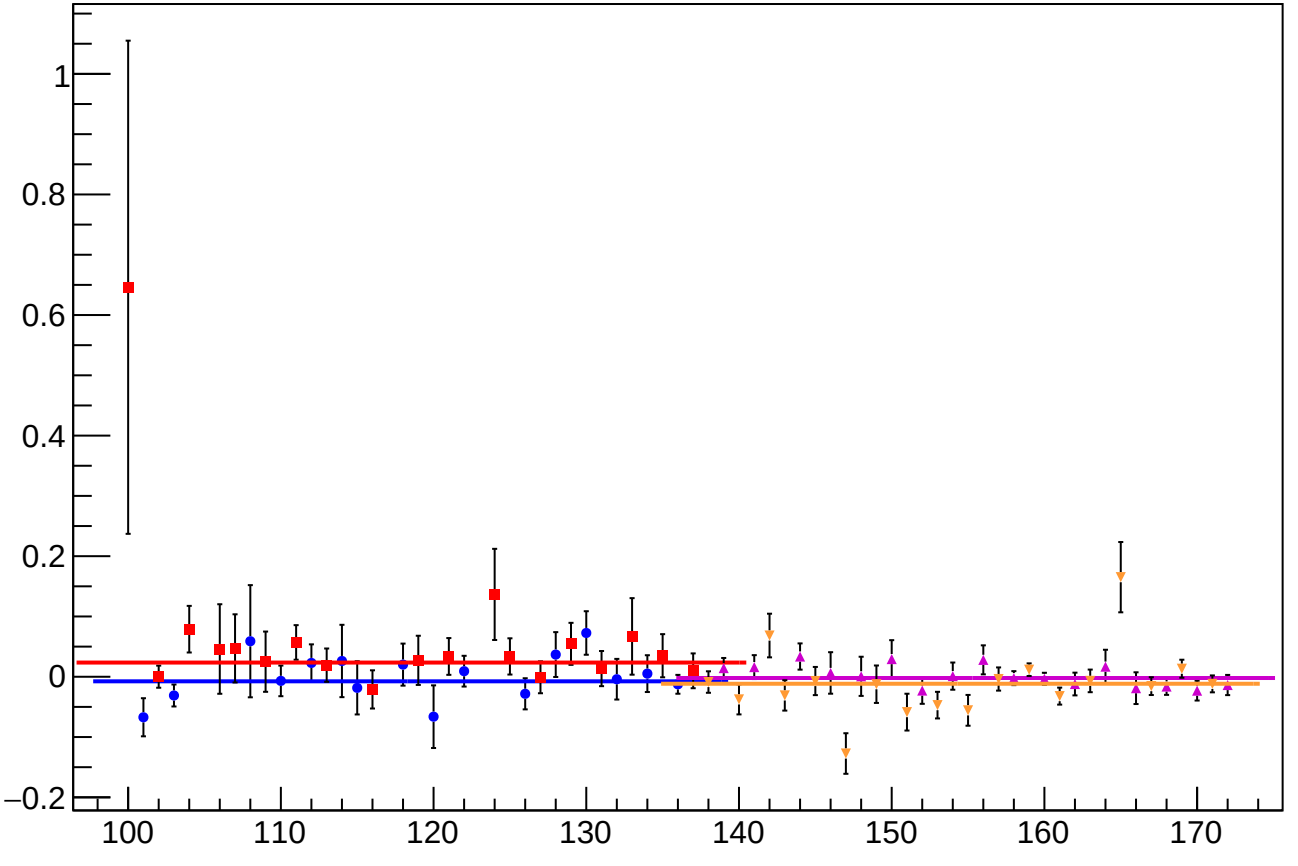
Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:4050593.7/32

Out: 0.001+/-0.000 χ^2/NDF:6805674.7/36

All: 0.001+/-0.000 χ^2/NDF: 10927783.3/69

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: -0.012+/-0.004 χ^2/NDF:45.7/17

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.002+/-0.004 χ^2/NDF:12.4/16

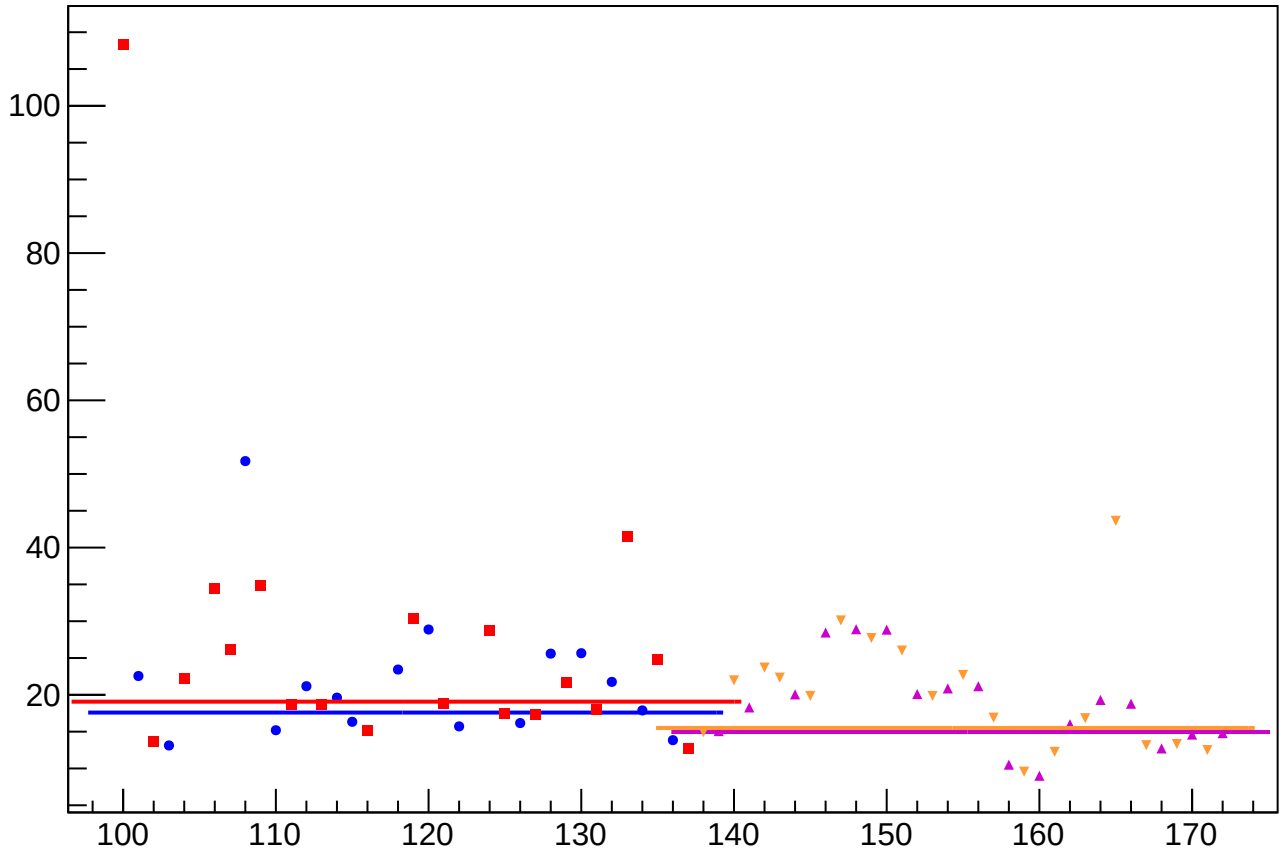
Left: -0.007+/-0.003 χ^2/NDF: 60.4/34

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.004 χ^2/NDF:29.5/32

Out: -0.003+/-0.004 χ^2/NDF:75.8/36

All: -0.003+/-0.003 χ^2/NDF: 105.3/69



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 15.500+/-0.003 χ^2/NDF:3036006.1/17

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: 15.218+/-0.002 χ^2/NDF: 5818098.9/34

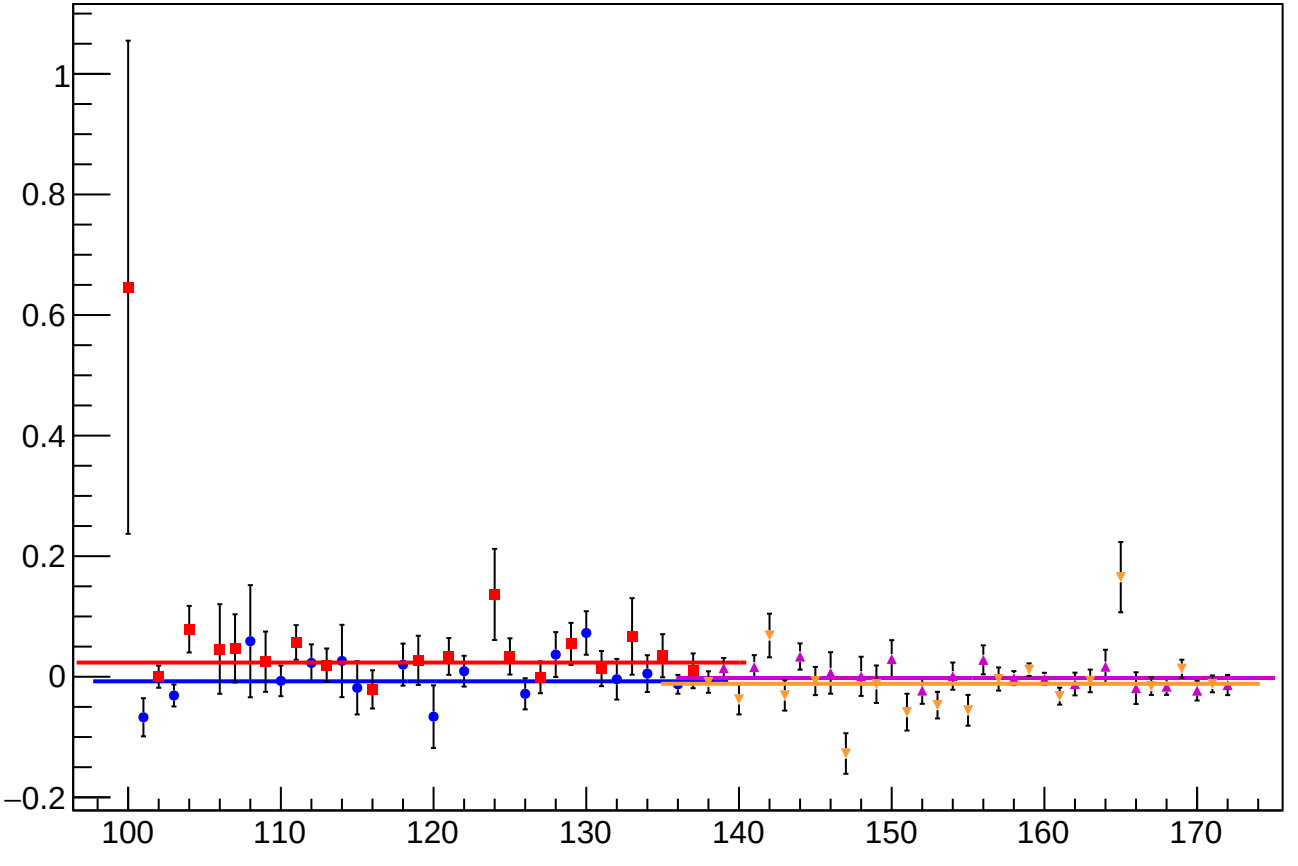
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.662+/-0.003 χ^2/NDF:3956612.3/32

Out: 16.398+/-0.003 χ^2/NDF:4602506.0/36

All: 16.016+/-0.002 χ^2/NDF: 8596482.4/69

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: -0.012+/-0.004 χ^2/NDF:45.7/17

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: 60.4/34

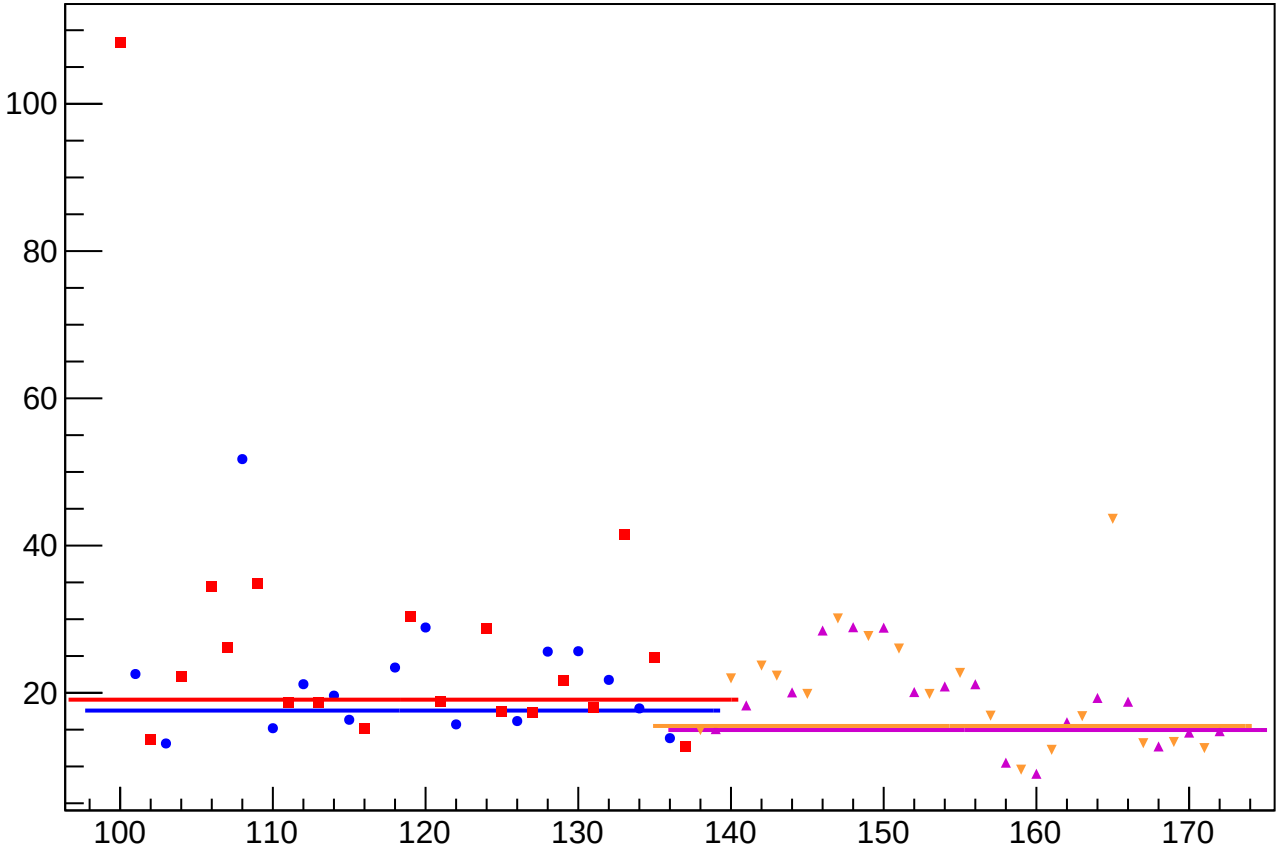
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.004+/-0.004 χ^2/NDF:29.5/32

Out: -0.003+/-0.004 χ^2/NDF:75.8/36

All: -0.003+/-0.003 χ^2/NDF: 105.3/69

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 15.500+/-0.003 χ^2/NDF:3036006.1/17

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 14.949+/-0.003 χ^2/NDF:2766612.7/16

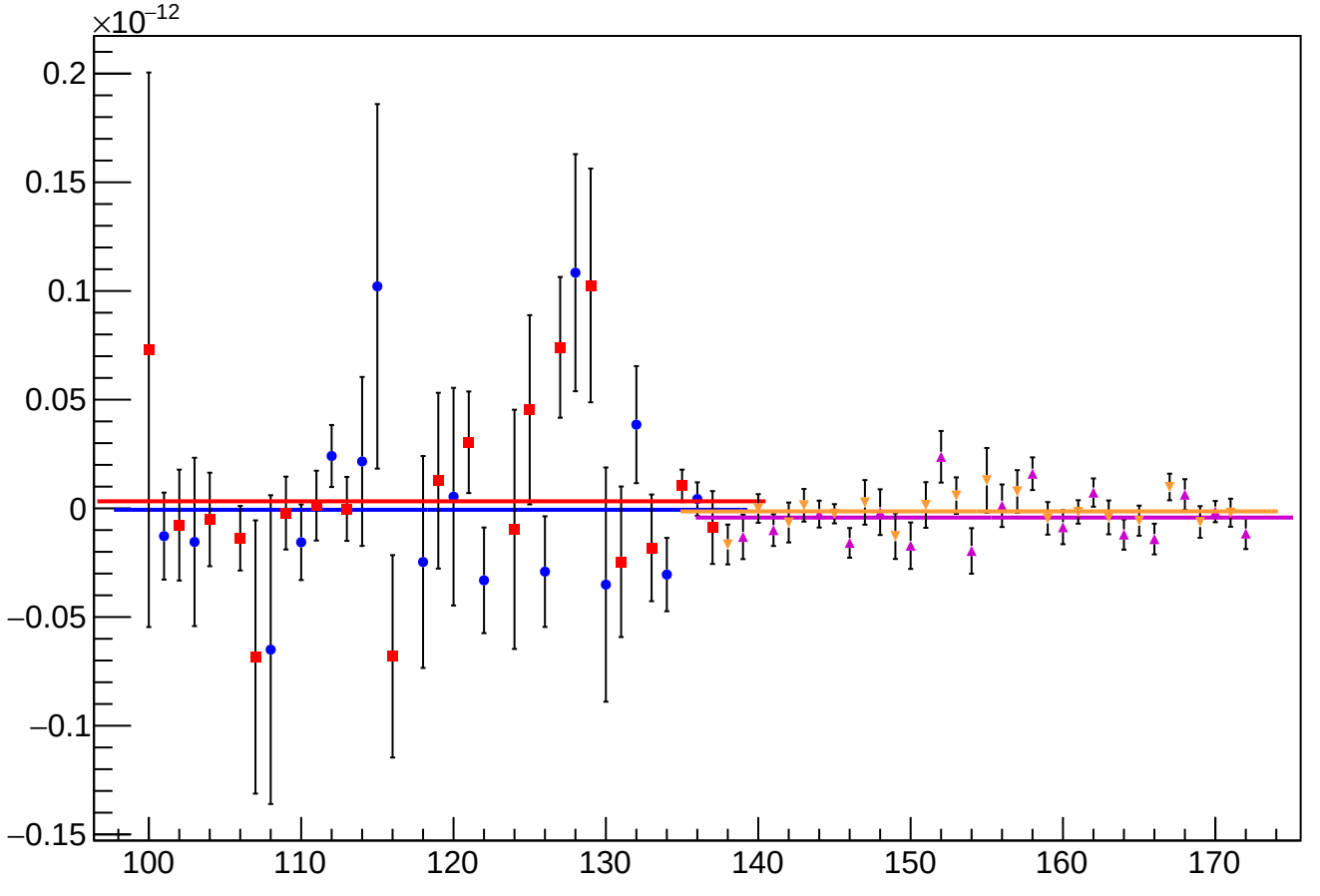
Left: 15.218+/-0.002 χ^2/NDF: 5818098.9/34

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.662+/-0.003 χ^2/NDF:3956612.3/32

Out: 16.398+/-0.003 χ^2/NDF:4602506.0/36

All: 16.016+/-0.002 χ^2/NDF: 8596482.4/69



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:31.4/16

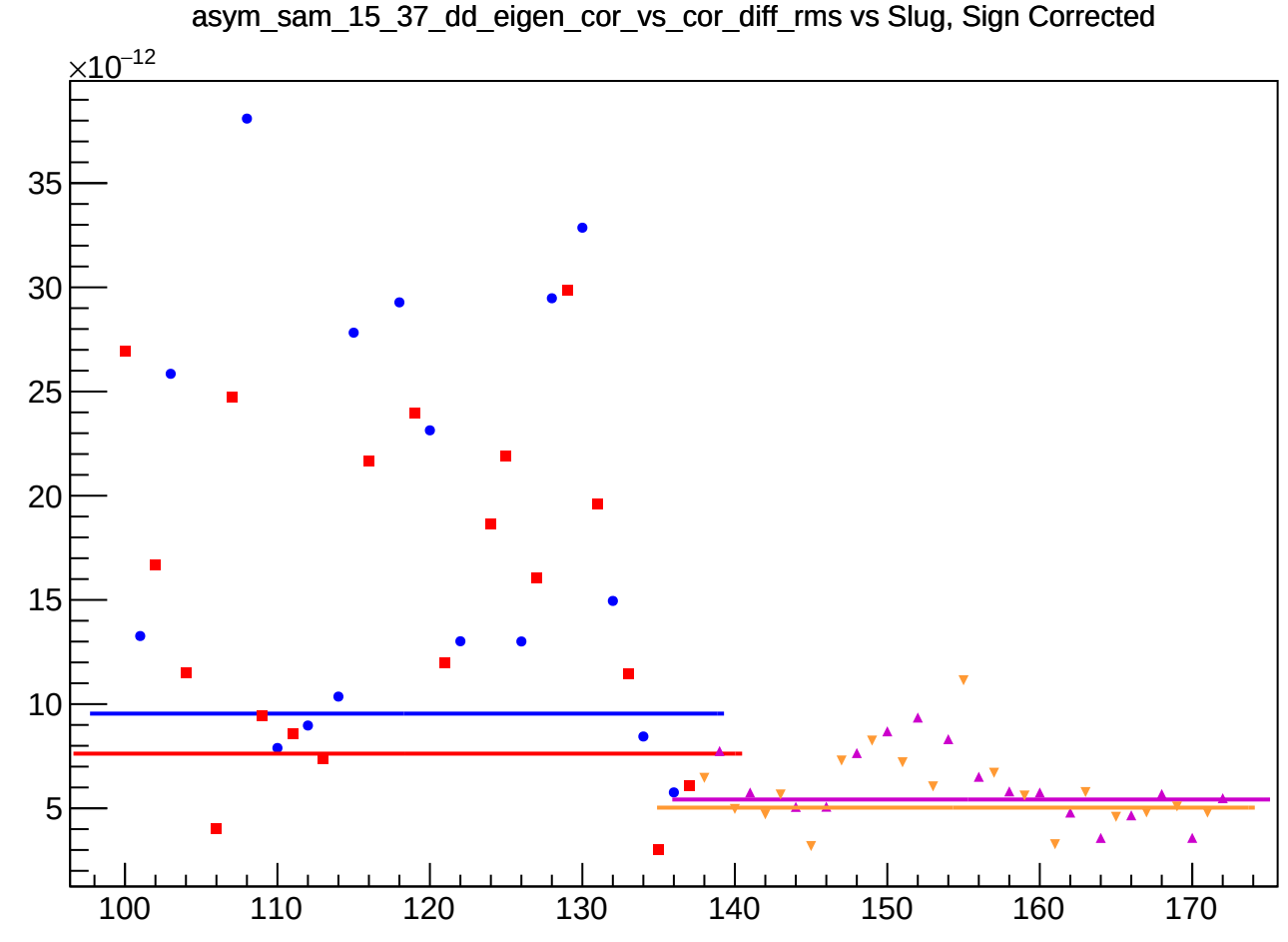
Left: -0.000+/-0.000 χ^2/NDF: 44.4/34

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:31.9/36

All: -0.000+/-0.000 χ^2/NDF: 85.6/69



Right In: 0.000+/-0.000 χ^2/NDF: 2632531.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1466690.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3086000.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1272689.0/16

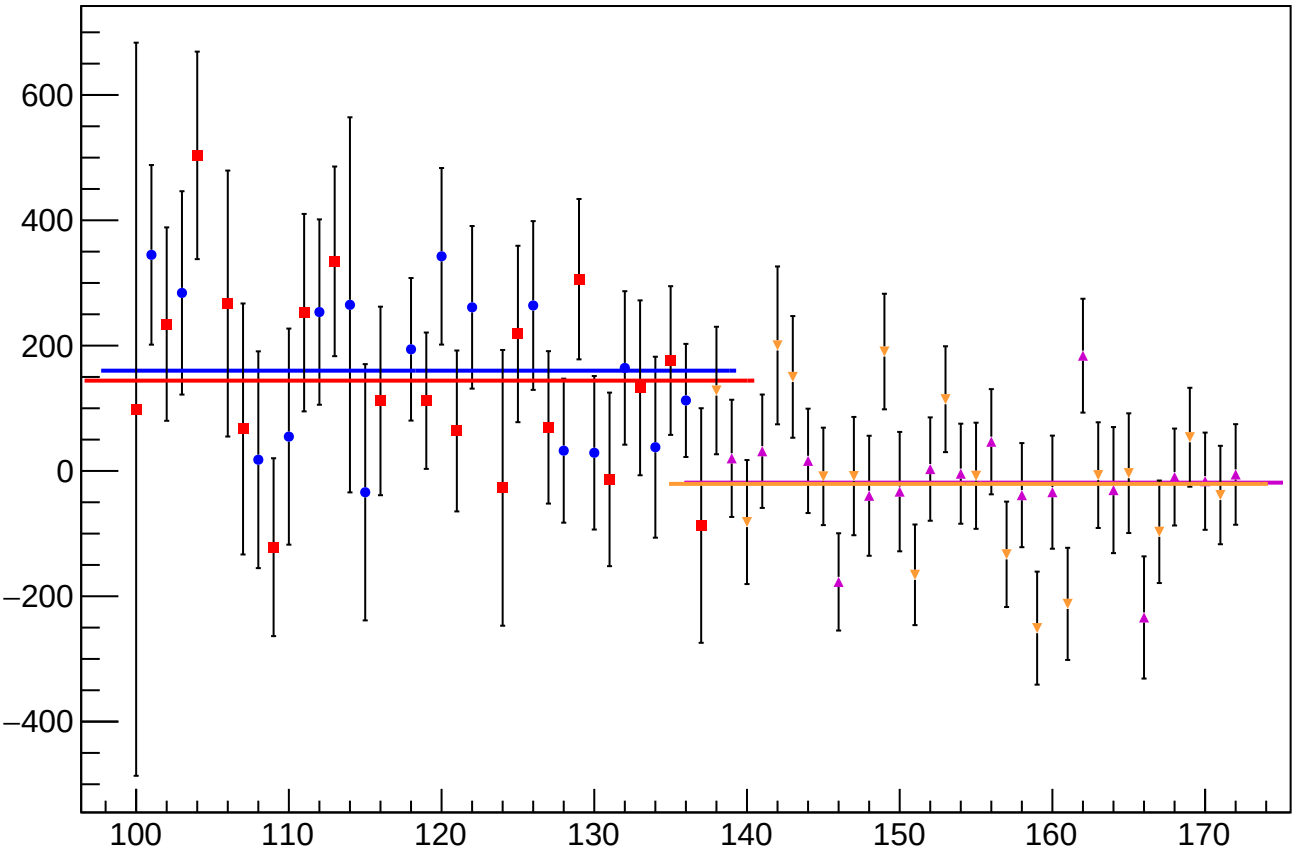
Left: 0.000+/-0.000 χ^2/NDF: 2787347.4/34

Right: 0.000+/-0.000 χ^2/NDF: 5879584.6/34

In: 0.000+/-0.000 χ^2/NDF:5076457.5/32

Out: 0.000+/-0.000 χ^2/NDF:5133088.0/36

All: 0.000+/-0.000 χ^2/NDF: 10308771.7/69



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -20.640+/-20.809 χ^2/NDF:34.6/17

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: -19.660+/-14.740 χ^2/NDF: 50.2/34

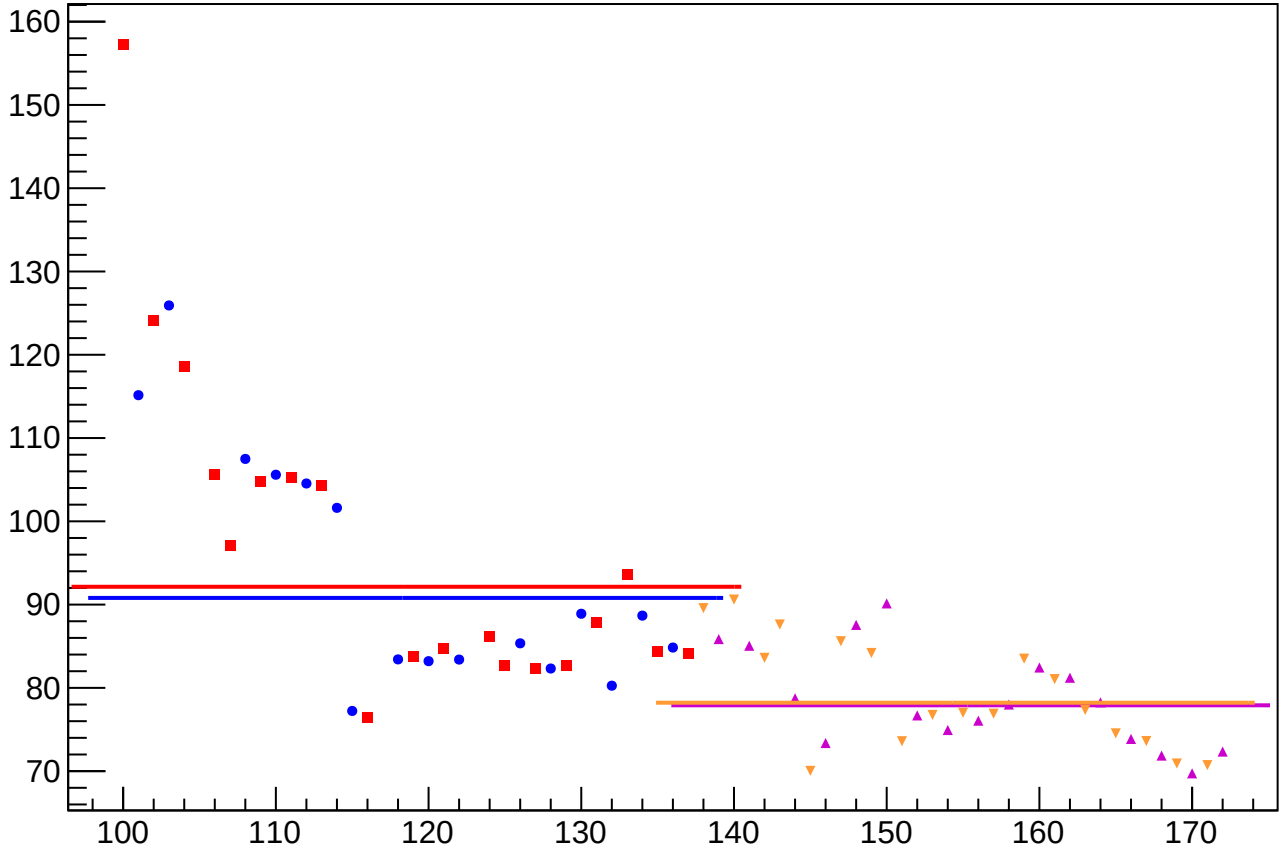
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 29.921+/-17.819 χ^2/NDF:46.6/32

Out: 23.851+/-17.779 χ^2/NDF:68.9/36

All: 26.879+/-12.586 χ^2/NDF: 115.5/69

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: 78.219+/-0.015 χ^2/NDF:183267.3/17

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 77.906+/-0.015 χ^2/NDF:146573.2/16

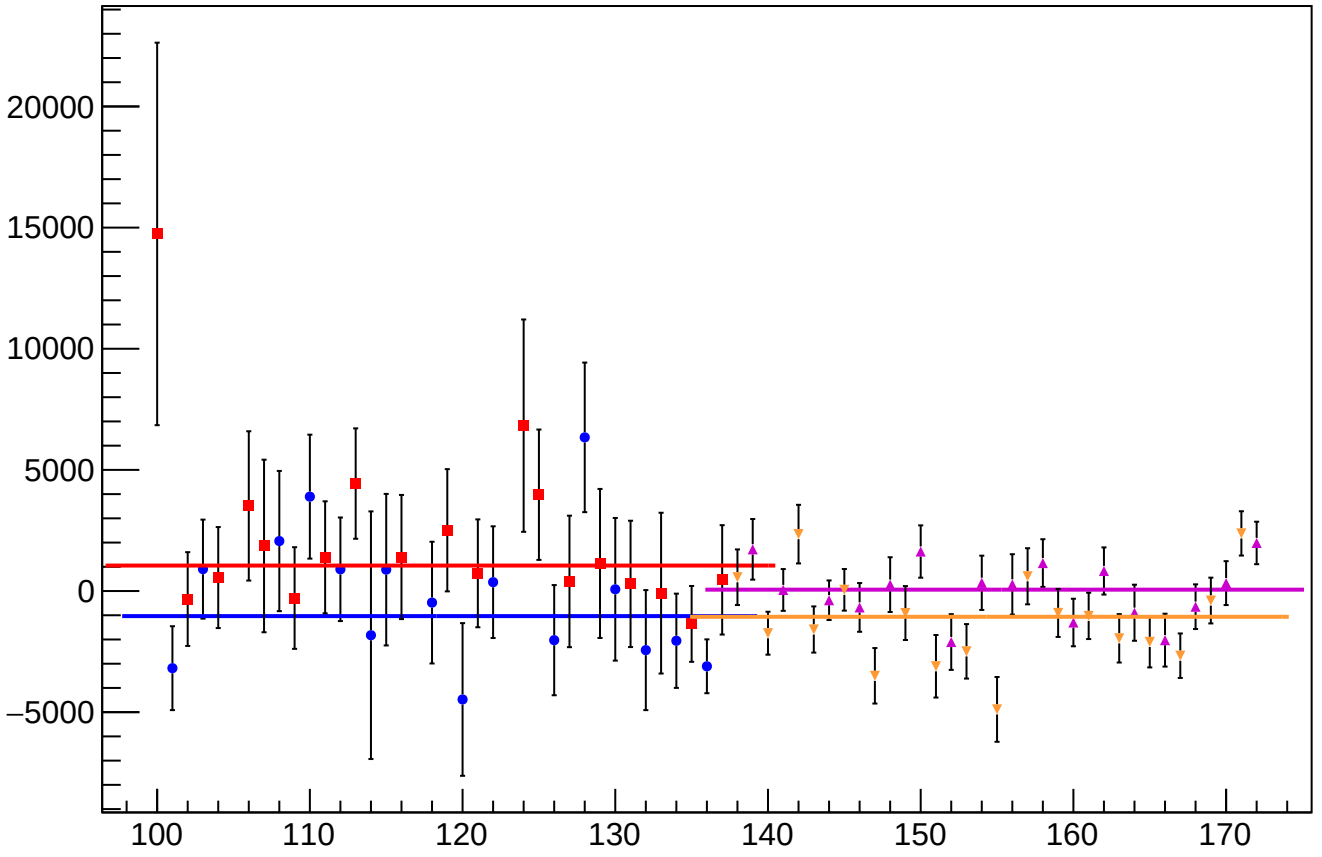
Left: 78.063+/-0.010 χ^2/NDF: 330065.2/34

Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 81.413+/-0.013 χ^2/NDF:626716.0/32

Out: 81.979+/-0.013 χ^2/NDF:727043.6/36

All: 81.697+/-0.009 χ^2/NDF: 1354768.5/69



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1062.993+/-242.833 χ^2/NDF:51.0/17

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: -507.196+/-172.327 χ^2/NDF: 83.5/34

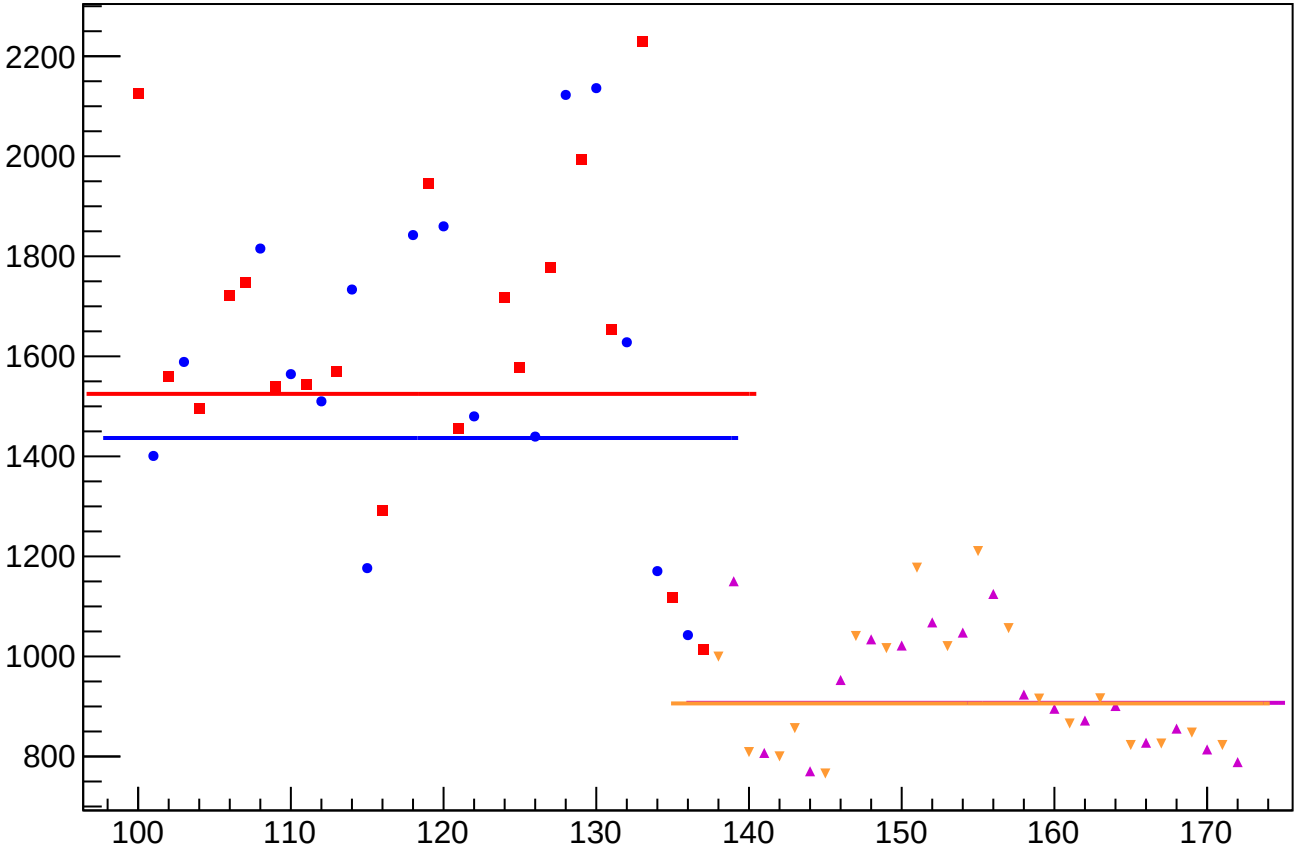
Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -123.465+/-223.502 χ^2/NDF:45.5/32

Out: -737.142+/-223.340 χ^2/NDF:75.5/36

All: -430.526+/-157.983 χ^2/NDF: 124.8/69

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: 906.075+/-0.172 χ^2/NDF:461241.3/17

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 907.269+/-0.173 χ^2/NDF:420261.1/16

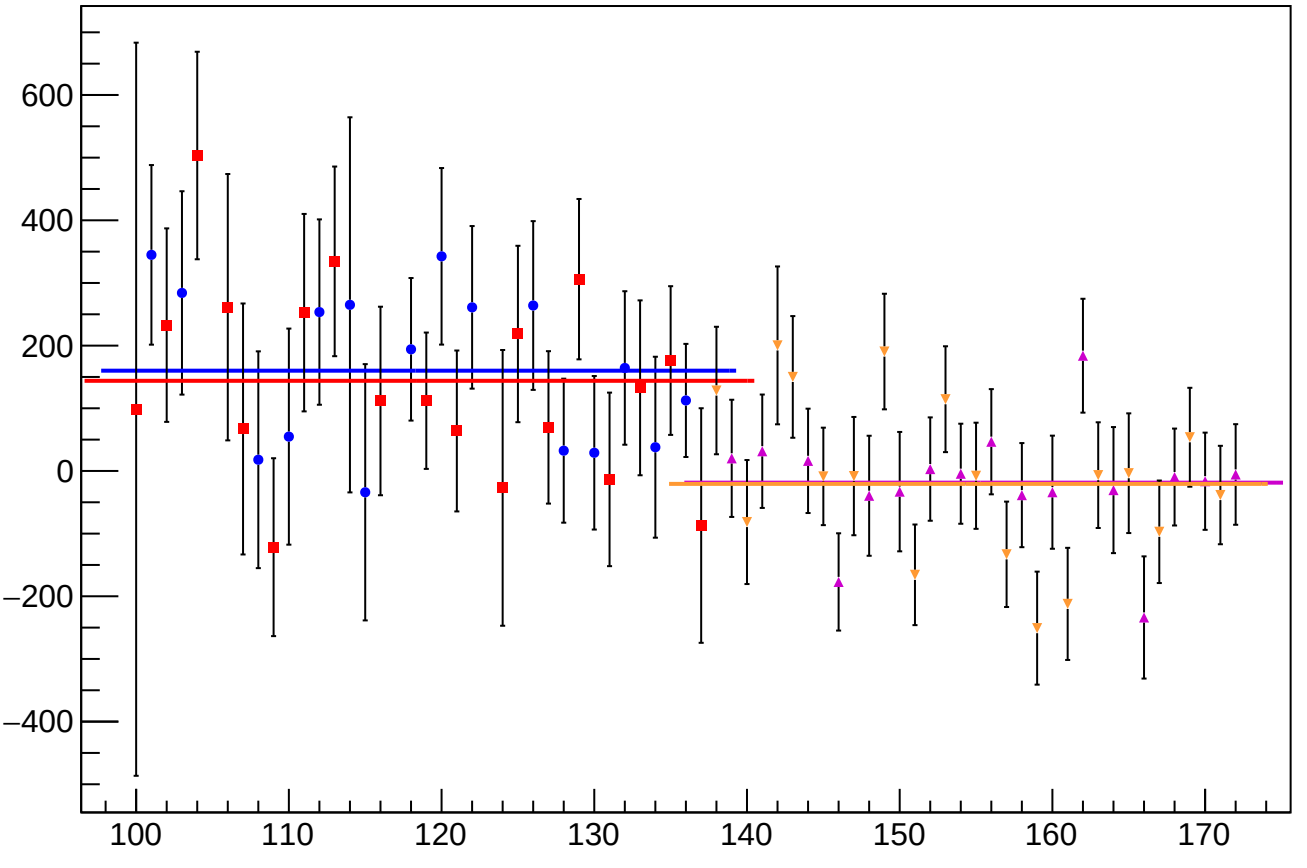
Left: 906.667+/-0.122 χ^2/NDF: 881526.4/34

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 994.636+/-0.158 χ^2/NDF:2642377.3/32

Out: 1001.446+/-0.158 χ^2/NDF:2967678.4/36

All: 998.043+/-0.112 χ^2/NDF: 5610984.7/69



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -20.638+/-20.809 χ^2/NDF:34.6/17

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: -19.660+/-14.740 χ^2/NDF: 50.2/34

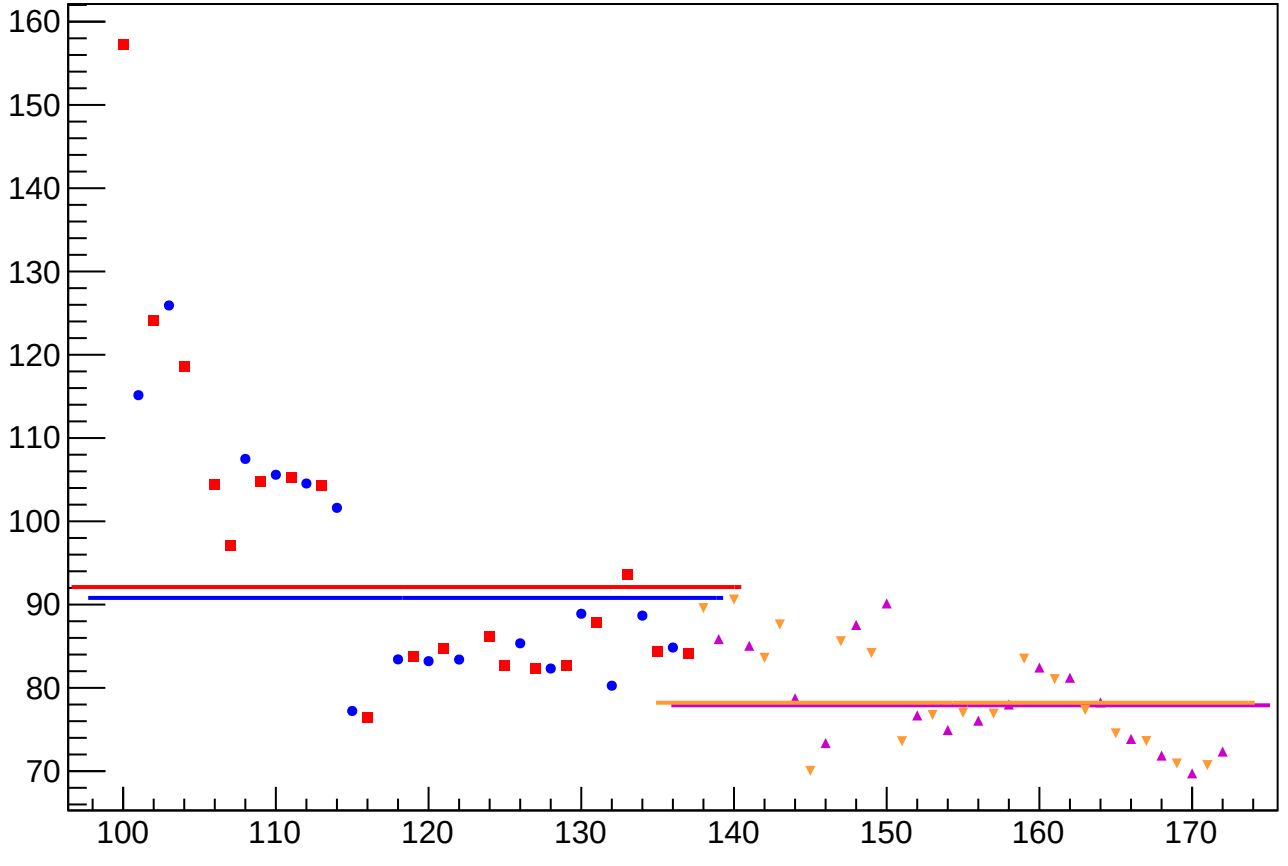
Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 29.919+/-17.819 χ^2/NDF:46.6/32

Out: 23.779+/-17.779 χ^2/NDF:68.8/36

All: 26.842+/-12.586 χ^2/NDF: 115.4/69

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: 78.219+/-0.015 χ^2/NDF:183267.3/17

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.906+/-0.015 χ^2/NDF:146573.2/16

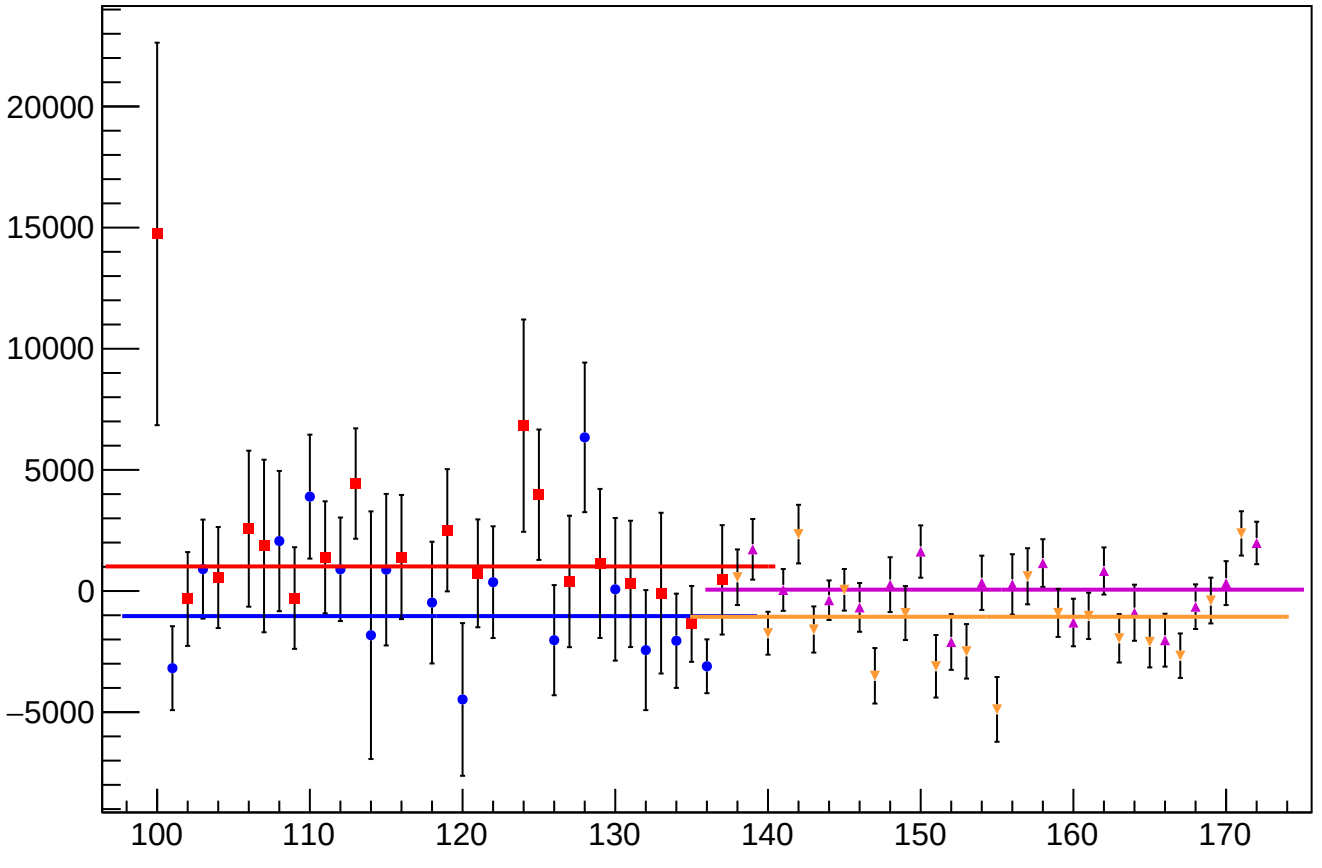
Left: 78.063+/-0.010 χ^2/NDF: 330065.2/34

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 81.413+/-0.013 χ^2/NDF:626718.0/32

Out: 81.969+/-0.013 χ^2/NDF:724609.8/36

All: 81.692+/-0.009 χ^2/NDF: 1352303.7/69



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1062.989+/-242.833 χ^2/NDF:51.0/17

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 56.680+/-244.592 χ^2/NDF:22.0/16

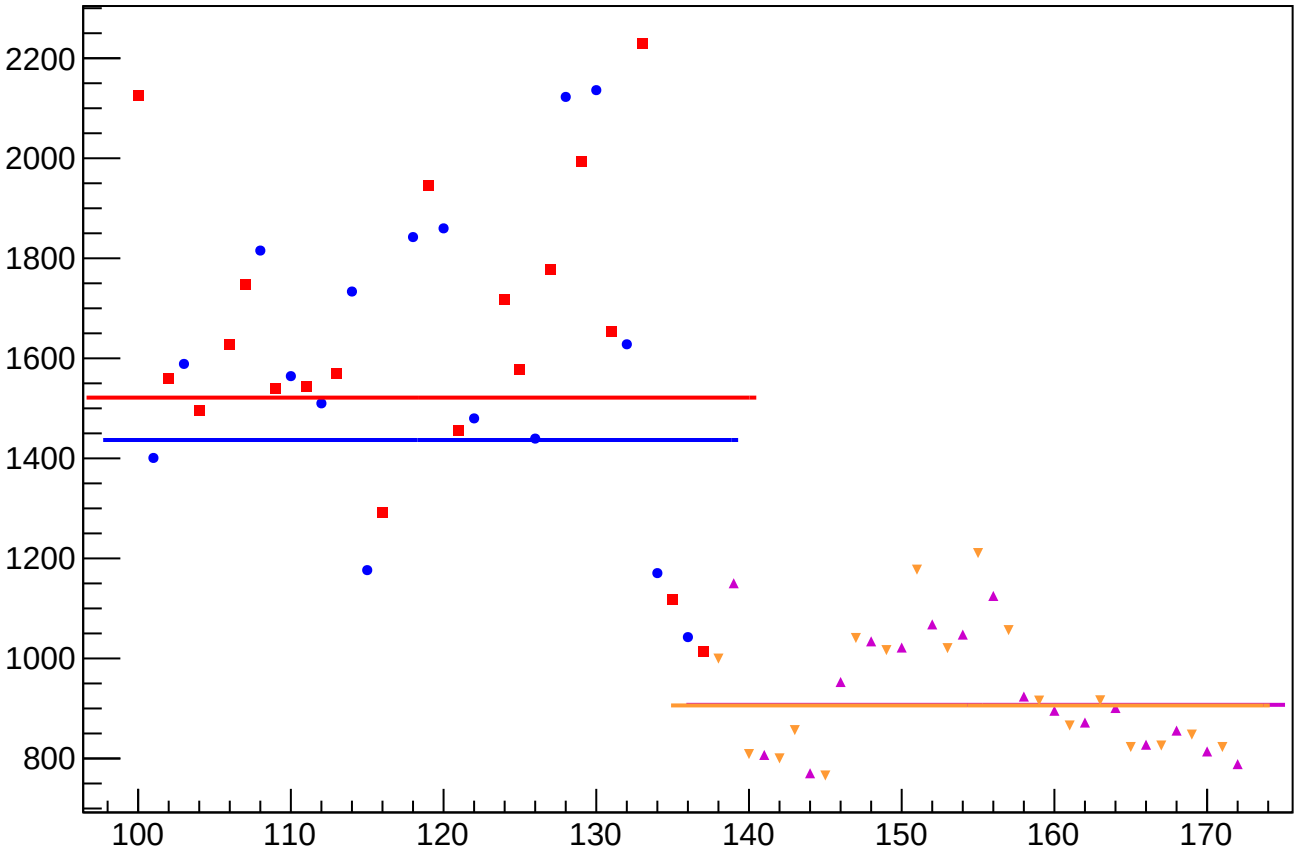
Left: -507.194+/-172.327 χ^2/NDF: 83.5/34

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -123.460+/-223.503 χ^2/NDF:45.5/32

Out: -743.503+/-223.391 χ^2/NDF:74.7/36

All: -433.636+/-158.001 χ^2/NDF: 124.1/69



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 906.075+/-0.172 χ^2/NDF:461242.4/17

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 907.269+/-0.173 χ^2/NDF:420260.1/16

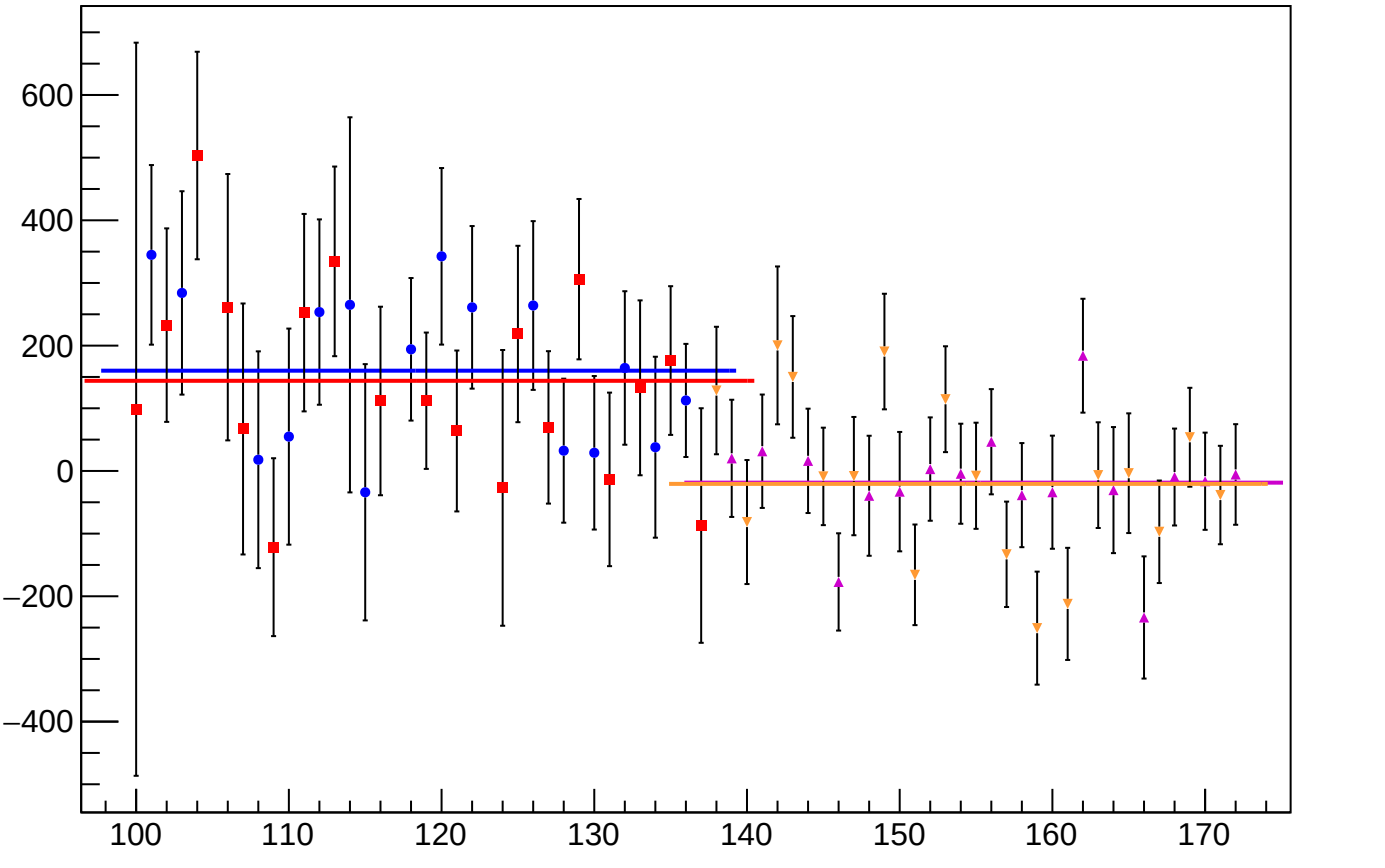
Left: 906.667+/-0.122 χ^2/NDF: 881526.5/34

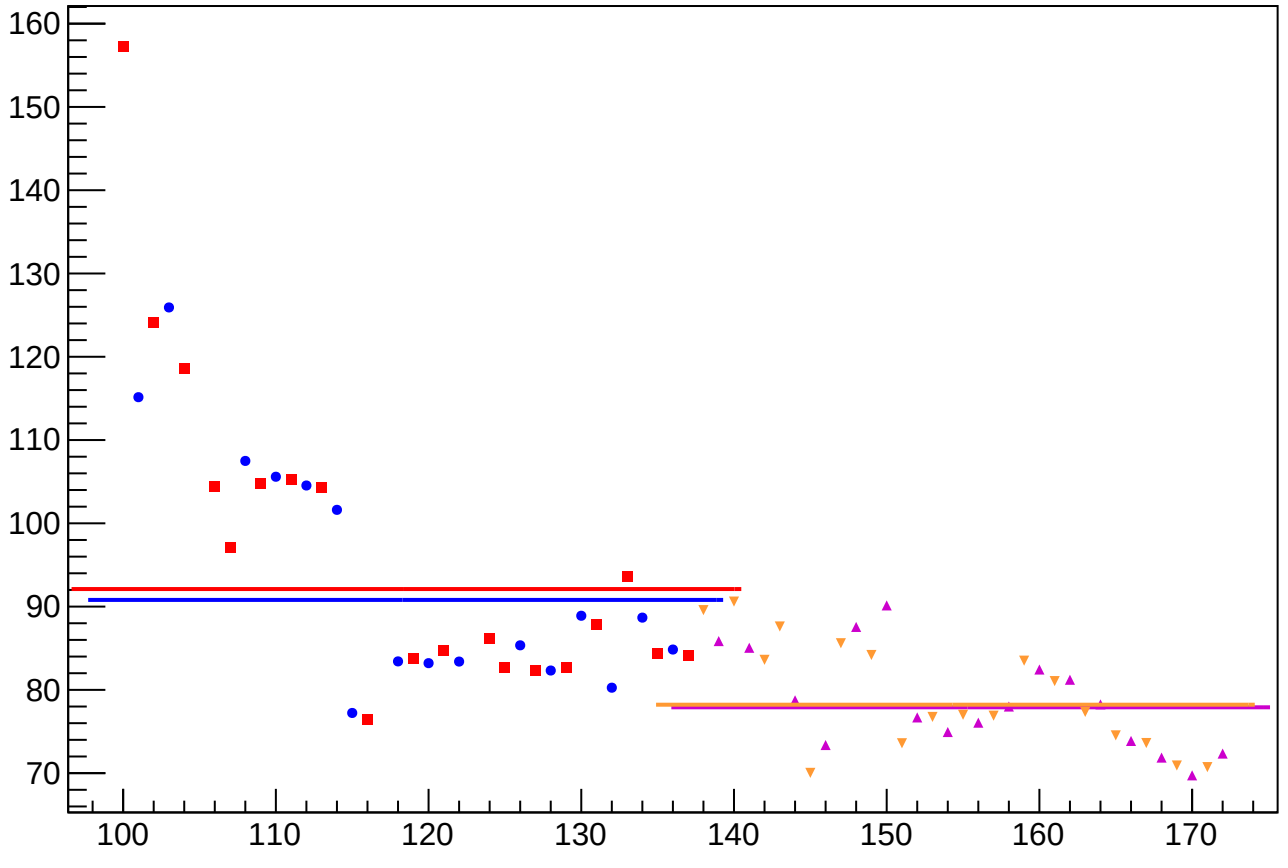
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 994.637+/-0.158 χ^2/NDF:2642396.1/32

Out: 1000.677+/-0.158 χ^2/NDF:2934240.5/36

All: 997.658+/-0.112 χ^2/NDF: 5577367.2/69


eigen_cor_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
100
110
120
130
140
150
160
170
Right In: 160.020+/-34.170 χ²/NDF: 11.1/15
Left Out: -20.638+/-20.809 χ²/NDF:34.6/17
Right Out: 143.862+/-34.216 χ²/NDF: 17.3/18
Left In: -18.675+/-20.883 χ²/NDF:15.6/16
Left: -19.660+/-14.740 χ²/NDF: 50.2/34
Right: 151.952+/-24.178 χ²/NDF: 28.5/34
In: 29.919+/-17.819 χ²/NDF:46.6/32
Out: 23.779+/-17.779 χ²/NDF:68.8/36
All: 26.842+/-12.586 χ²/NDF: 115.4/69



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 78.219+/-0.015 χ^2/NDF:183267.3/17

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.906+/-0.015 χ^2/NDF:146573.2/16

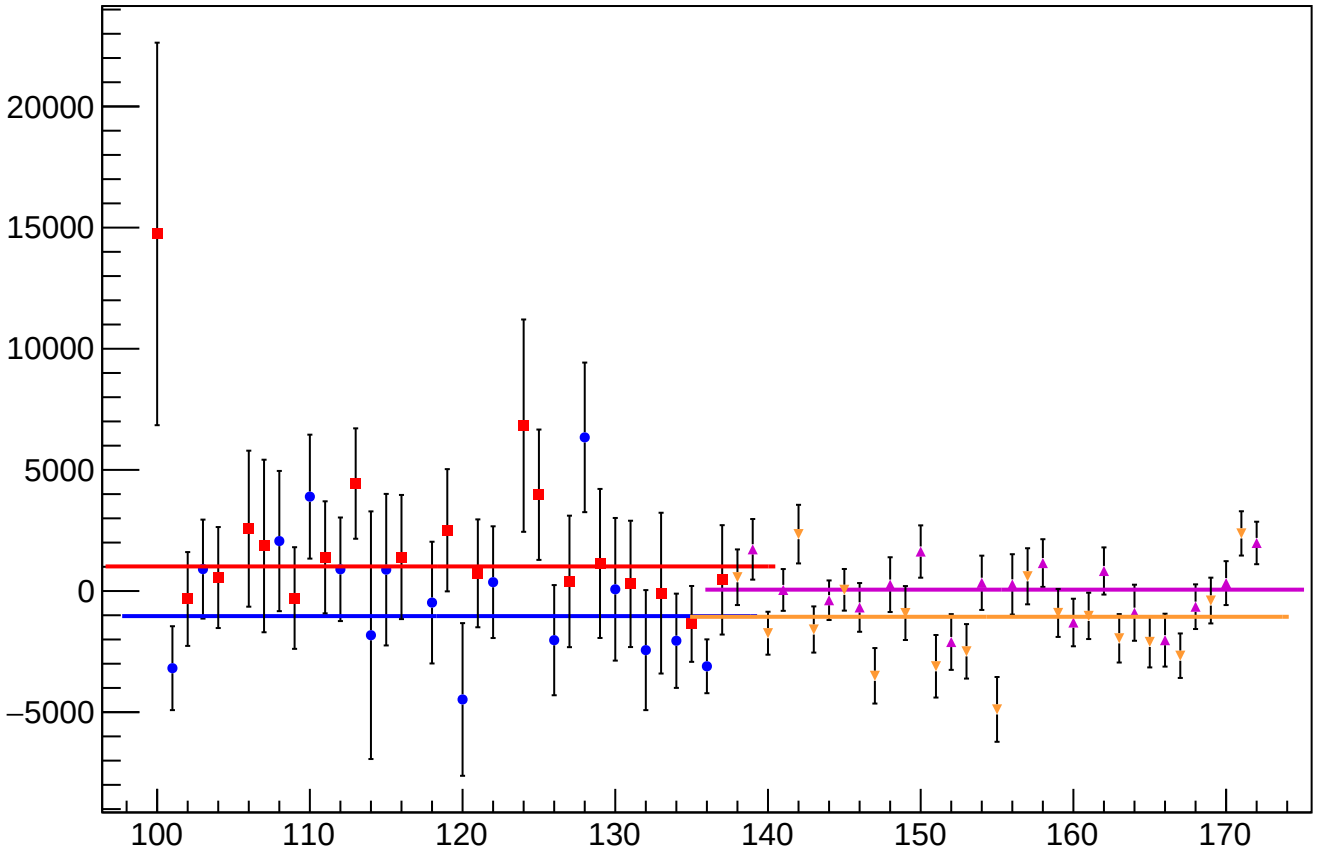
Left: 78.063+/-0.010 χ^2/NDF: 330065.2/34

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 81.413+/-0.013 χ^2/NDF:626718.0/32

Out: 81.969+/-0.013 χ^2/NDF:724609.8/36

All: 81.692+/-0.009 χ^2/NDF: 1352303.7/69



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1062.989+/-242.833 χ^2/NDF:51.0/17

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: -507.194+/-172.327 χ^2/NDF: 83.5/34

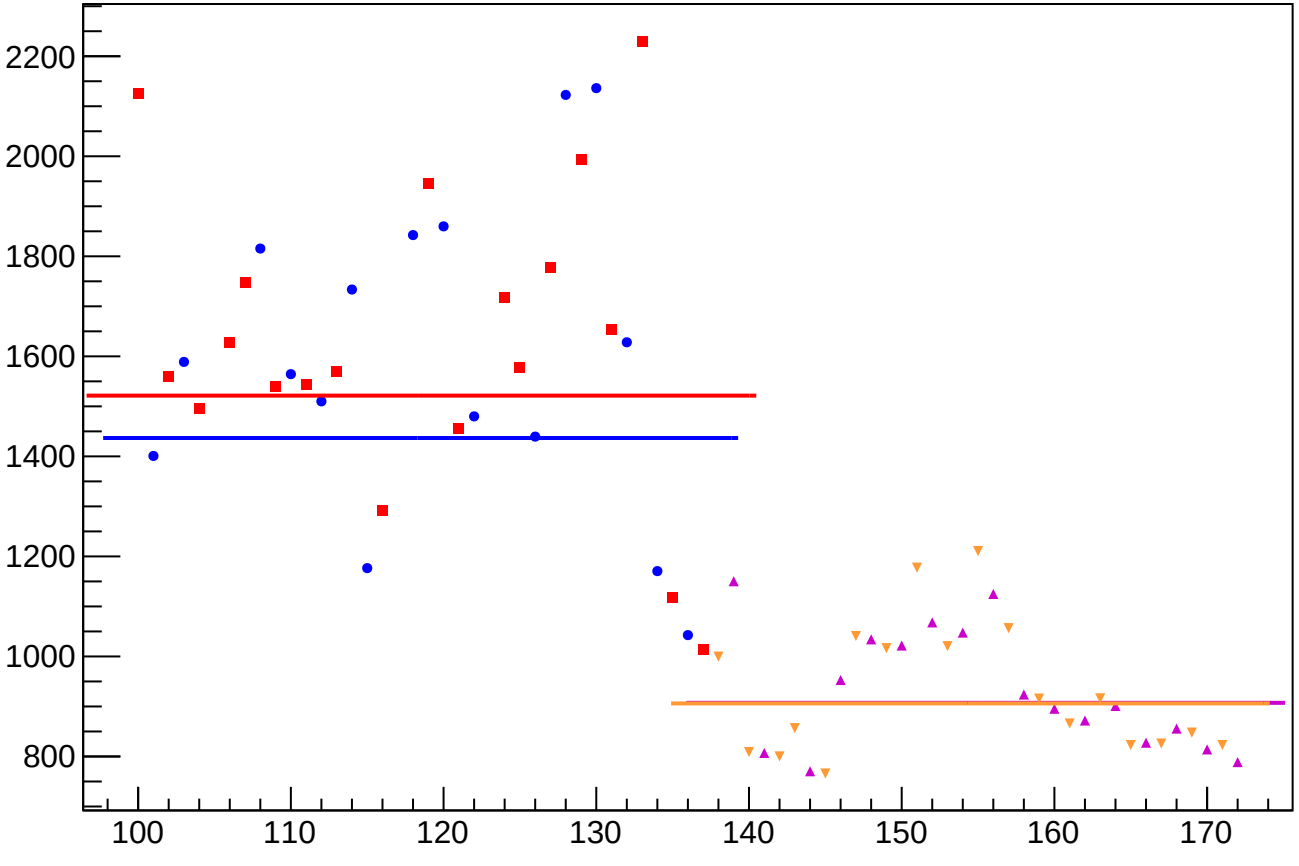
Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -123.460+/-223.503 χ^2/NDF:45.5/32

Out: -743.503+/-223.391 χ^2/NDF:74.7/36

All: -433.636+/-158.001 χ^2/NDF: 124.1/69

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: 906.075+/-0.172 χ^2/NDF:461242.4/17

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 907.269+/-0.173 χ^2/NDF:420260.1/16

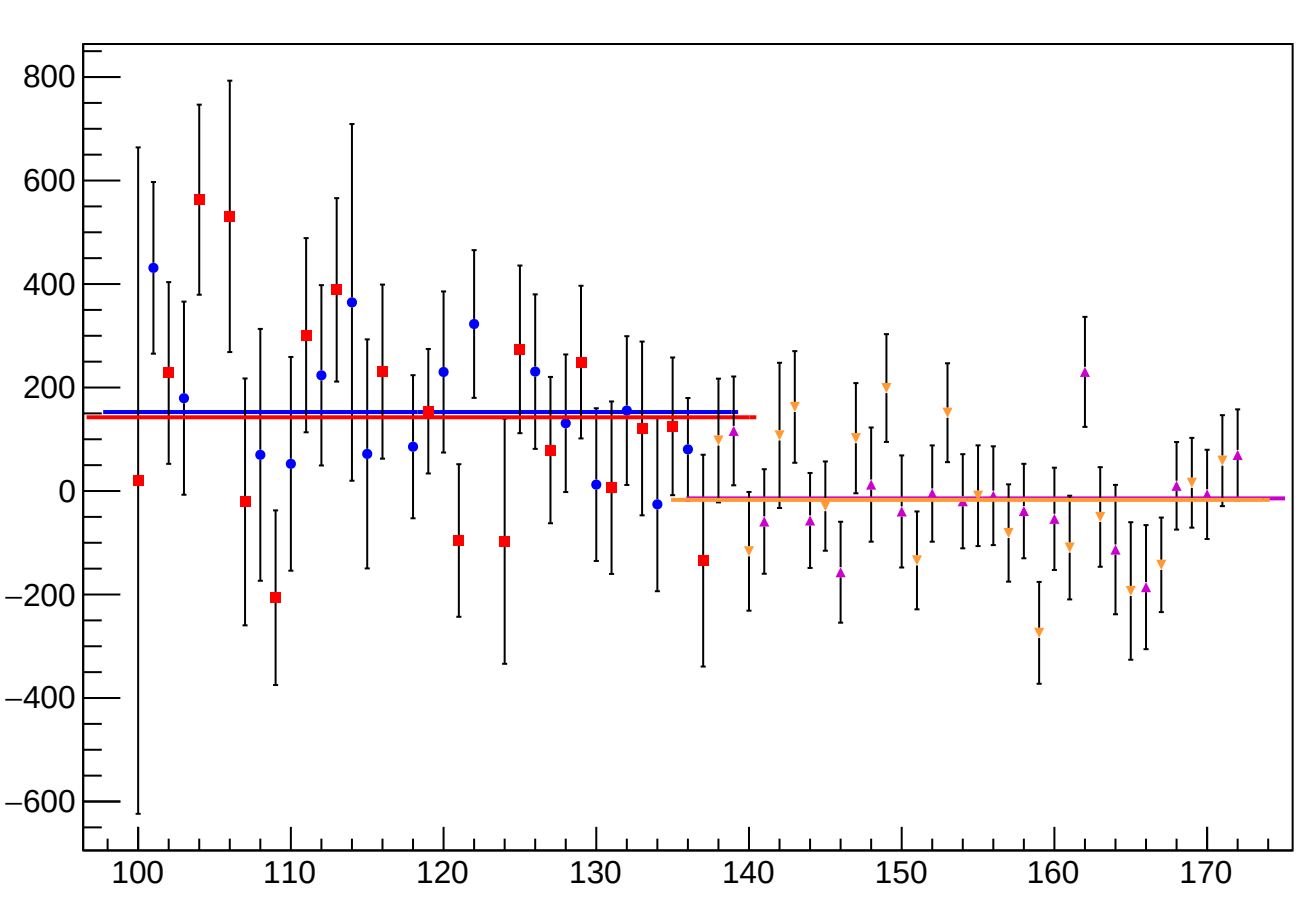
Left: 906.667+/-0.122 χ^2/NDF: 881526.5/34

Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 994.637+/-0.158 χ^2/NDF:2642396.1/32

Out: 1000.677+/-0.158 χ^2/NDF:2934240.5/36

All: 997.658+/-0.112 χ^2/NDF: 5577367.2/69


dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
600
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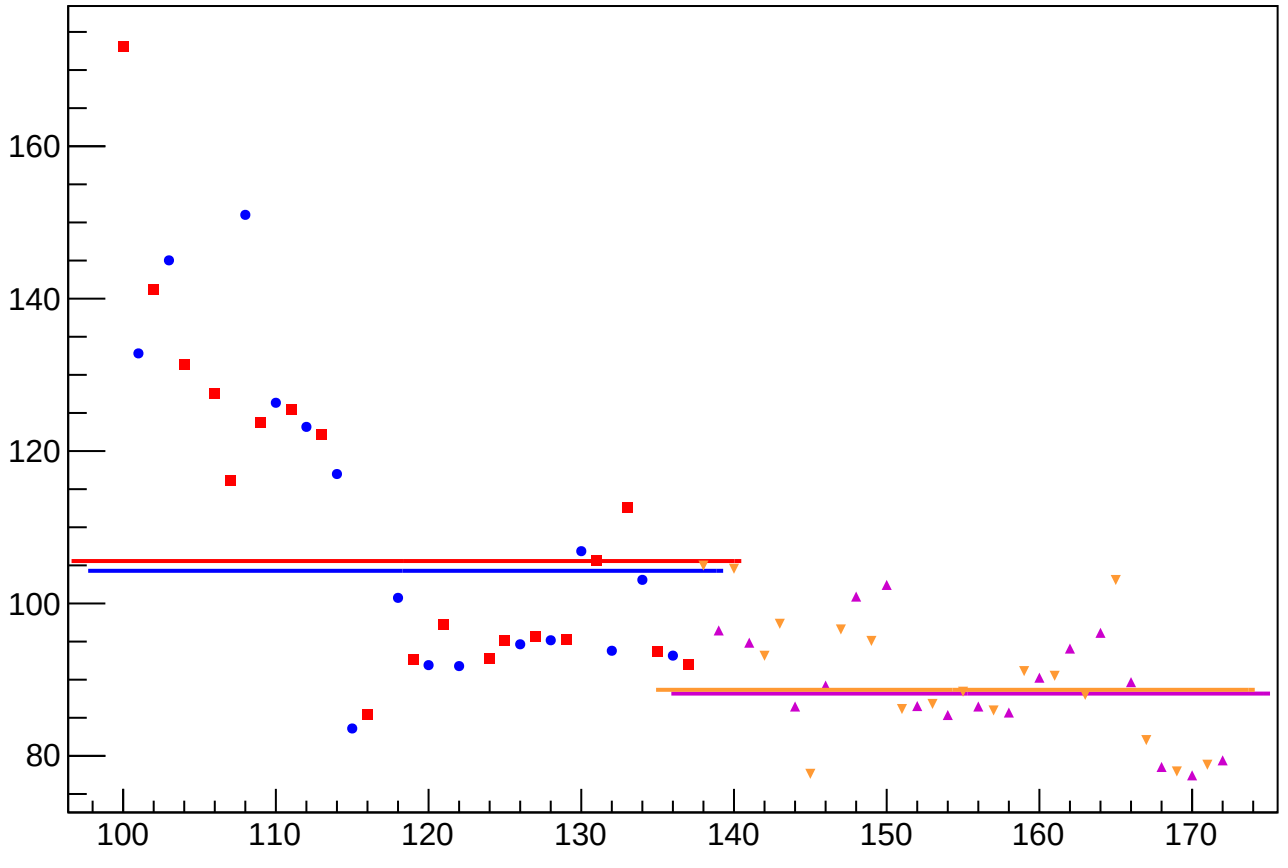
0
−200
−400
−600
100
110
120
130
140
150
160
170
Right In: 152.626+/-39.446 χ²/NDF: 8.6/15
Left Out: -17.129+/-23.654 χ²/NDF:28.2/17
Right Out: 142.496+/-39.340 χ²/NDF: 22.9/18
Left In: -14.231+/-23.747 χ²/NDF:13.4/16
Left: -15.685+/-16.759 χ²/NDF: 41.7/34
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 30.154+/-20.345 χ²/NDF:35.2/32
Out: 25.255+/-20.272 χ²/NDF:63.2/36
All: 27.696+/-14.360 χ²/NDF: 98.5/69



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 88.671+/-0.017 χ^2/NDF:237147.3/17

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 88.176+/-0.017 χ^2/NDF:180183.7/16

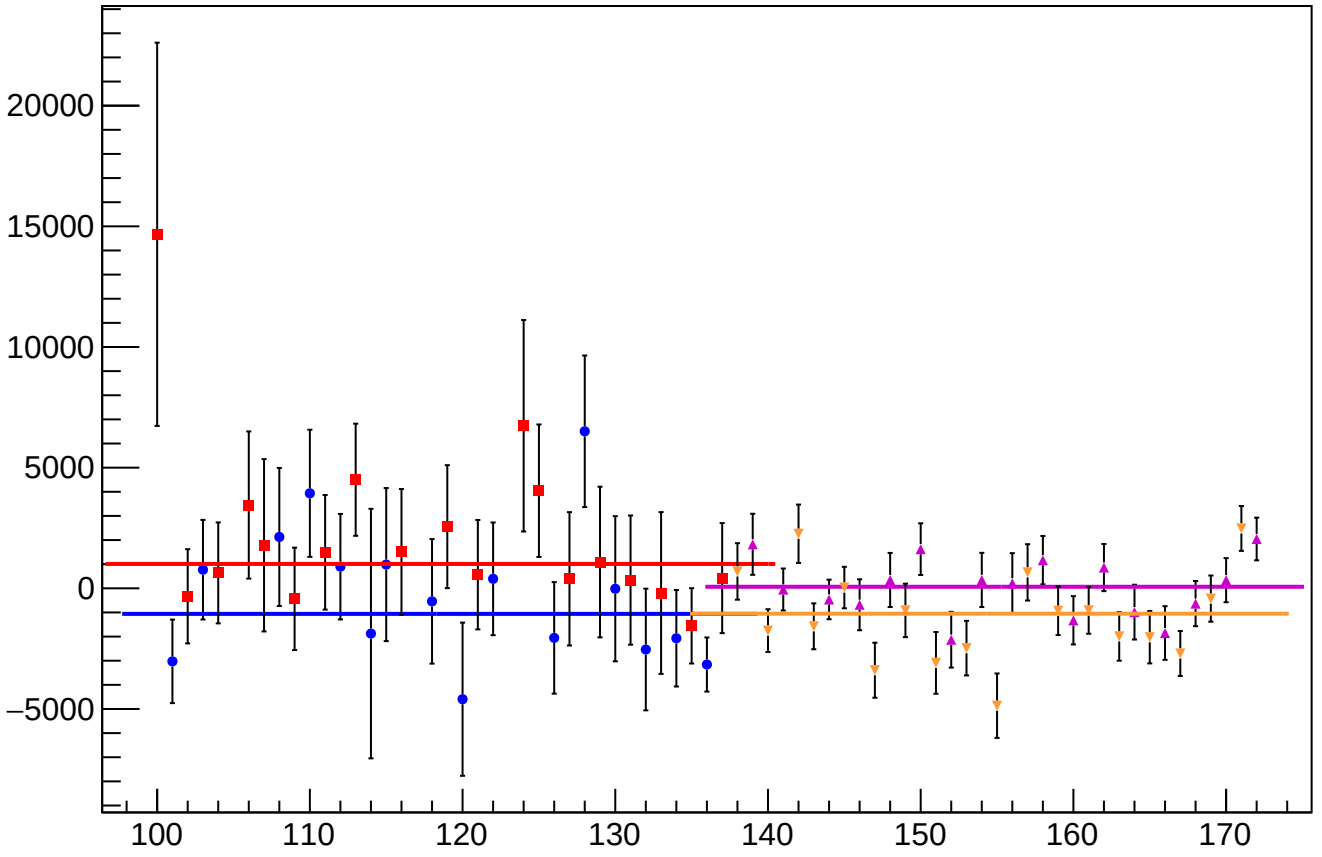
Left: 88.424+/-0.012 χ^2/NDF: 417767.7/34

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 92.461+/-0.014 χ^2/NDF:803362.2/32

Out: 93.157+/-0.014 χ^2/NDF:852752.1/36

All: 92.811+/-0.010 χ^2/NDF: 1657290.1/69



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -1051.919+/-244.666 χ^2/NDF:50.7/17

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 64.246+/-246.710 χ^2/NDF:22.0/16

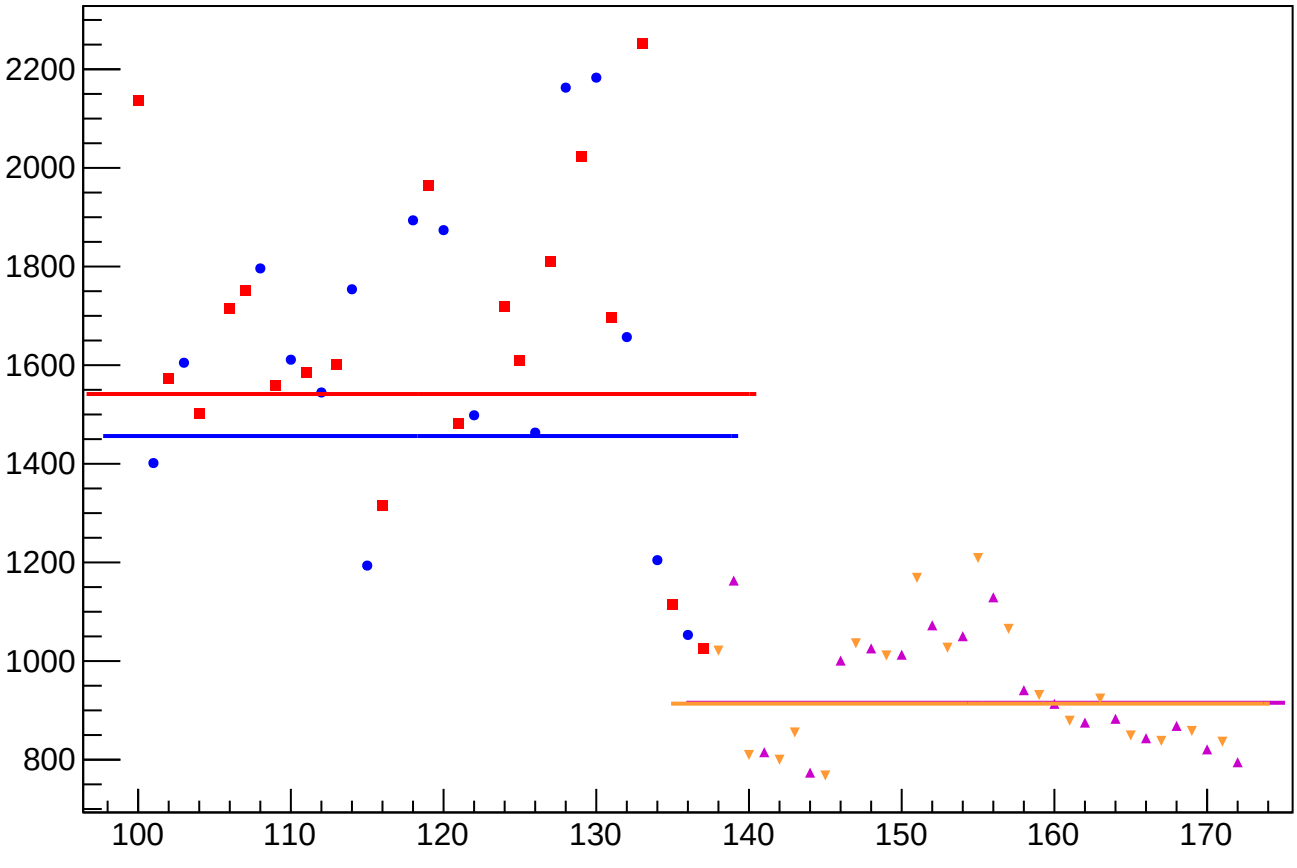
Left: -498.481+/-173.723 χ^2/NDF: 83.0/34

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -119.679+/-225.616 χ^2/NDF:45.5/32

Out: -735.935+/-225.139 χ^2/NDF:74.8/36

All: -428.460+/-159.366 χ^2/NDF: 124.0/69



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 913.684+/-0.173 χ^2/NDF:440862.9/17

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 915.444+/-0.174 χ^2/NDF:414930.1/16

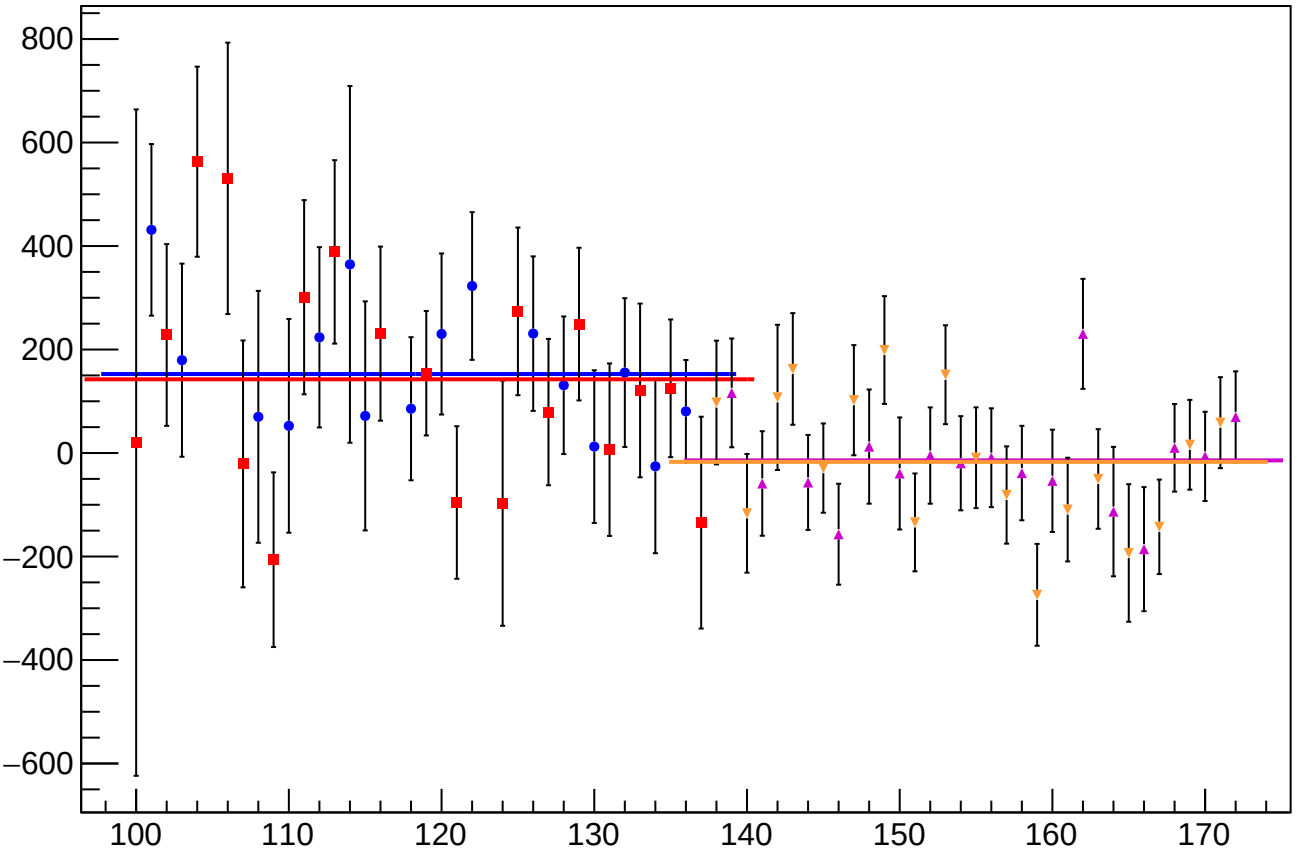
Left: 914.557+/-0.123 χ^2/NDF: 855844.3/34

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1003.978+/-0.160 χ^2/NDF:2673175.2/32

Out: 1009.903+/-0.159 χ^2/NDF:2978530.0/36

All: 1006.947+/-0.113 χ^2/NDF: 5652396.3/69


eigen_dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
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−200
−400
−600
100
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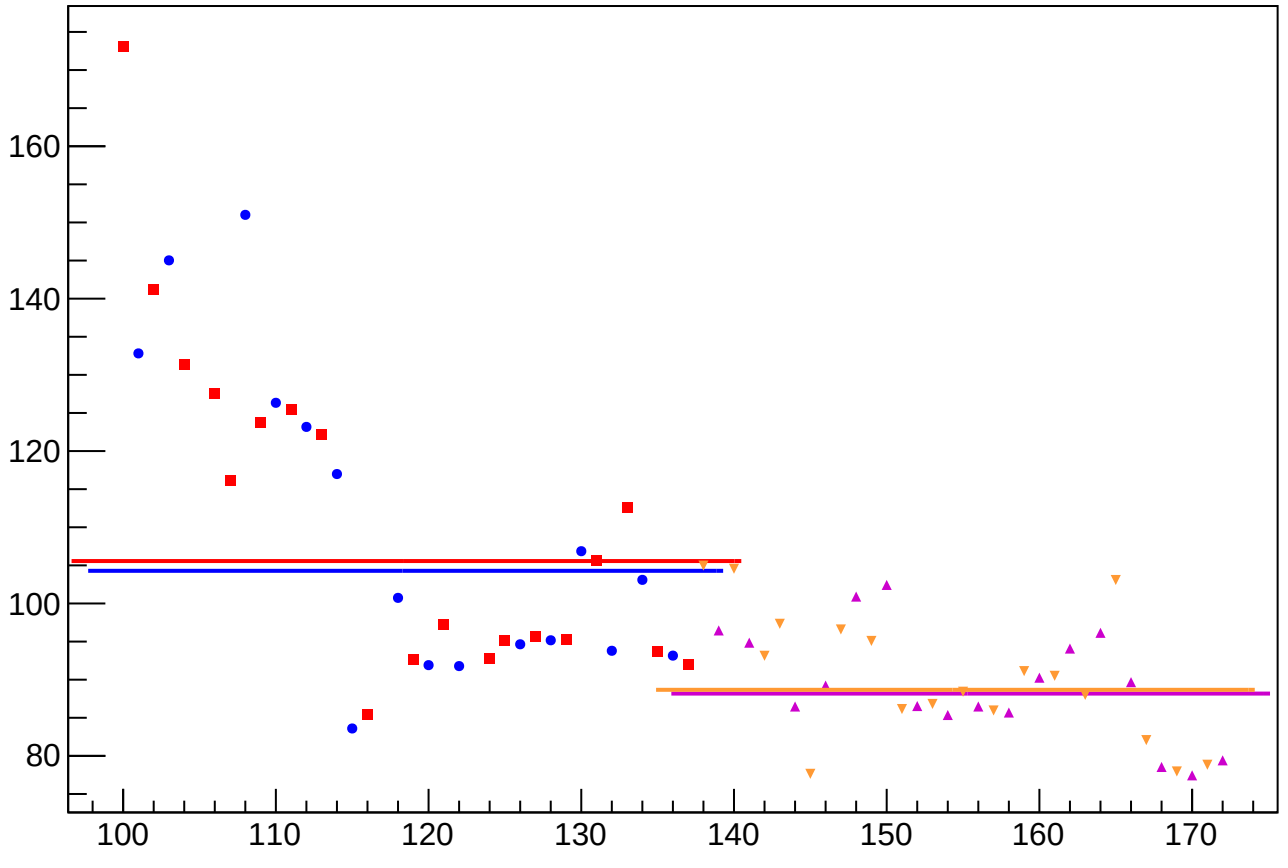
120
130
140
150
160
170
Right In: 152.628+/-39.446 χ²/NDF: 8.6/15
Left Out: -17.129+/-23.654 χ²/NDF:28.2/17
Right Out: 142.494+/-39.340 χ²/NDF: 22.9/18
Left In: -14.231+/-23.747 χ²/NDF:13.4/16
Left: -15.685+/-16.759 χ²/NDF: 41.7/34
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 30.155+/-20.345 χ²/NDF:35.2/32
Out: 25.255+/-20.272 χ²/NDF:63.2/36
All: 27.696+/-14.360 χ²/NDF: 98.5/69



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 88.671+/-0.017 χ^2/NDF:237146.0/17

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: 88.424+/-0.012 χ^2/NDF: 417767.3/34

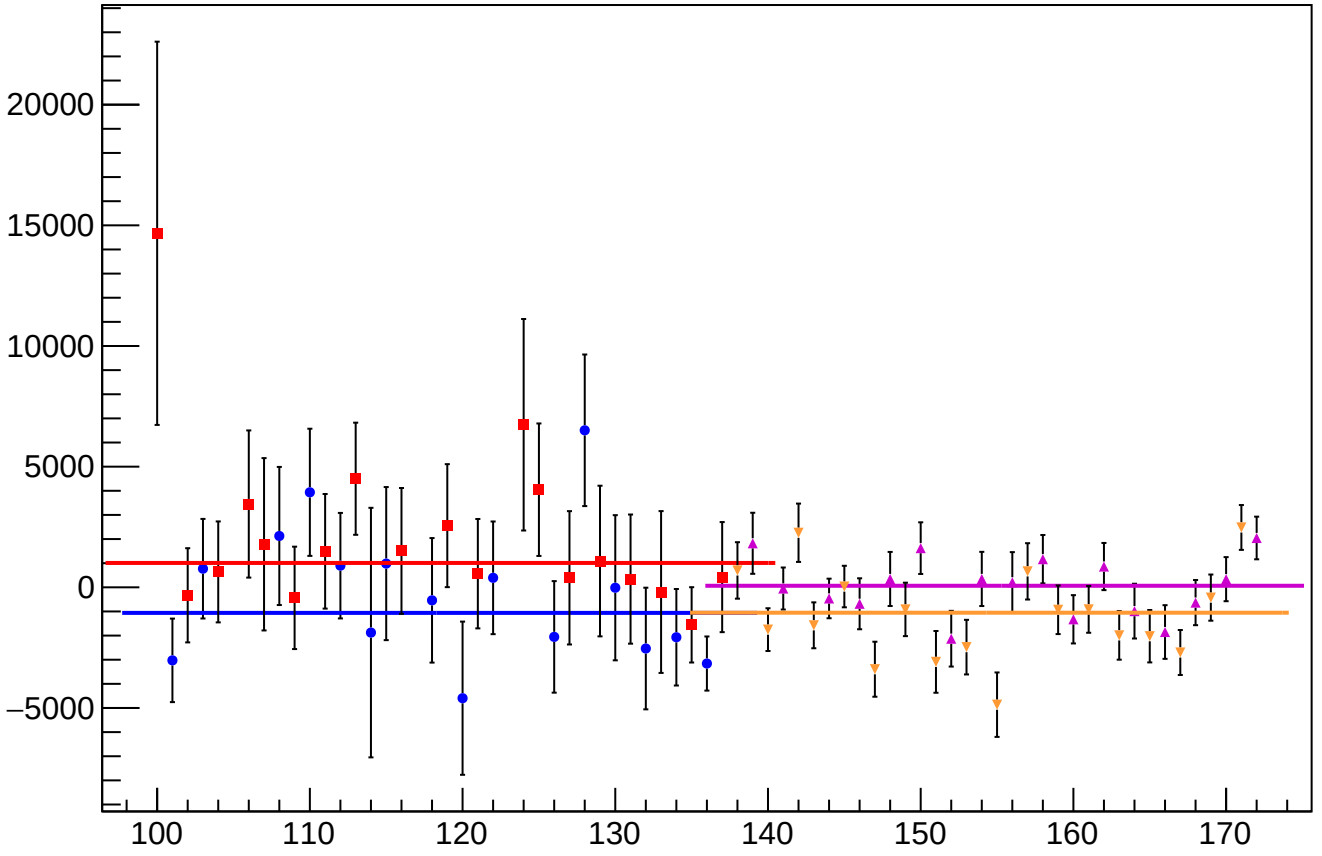
Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 92.461+/-0.014 χ^2/NDF:803338.5/32

Out: 93.157+/-0.014 χ^2/NDF:852726.9/36

All: 92.810+/-0.010 χ^2/NDF: 1657241.5/69

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: -1051.918+/-244.666 χ^2/NDF:50.7/17

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 64.244+/-246.710 χ^2/NDF:22.0/16

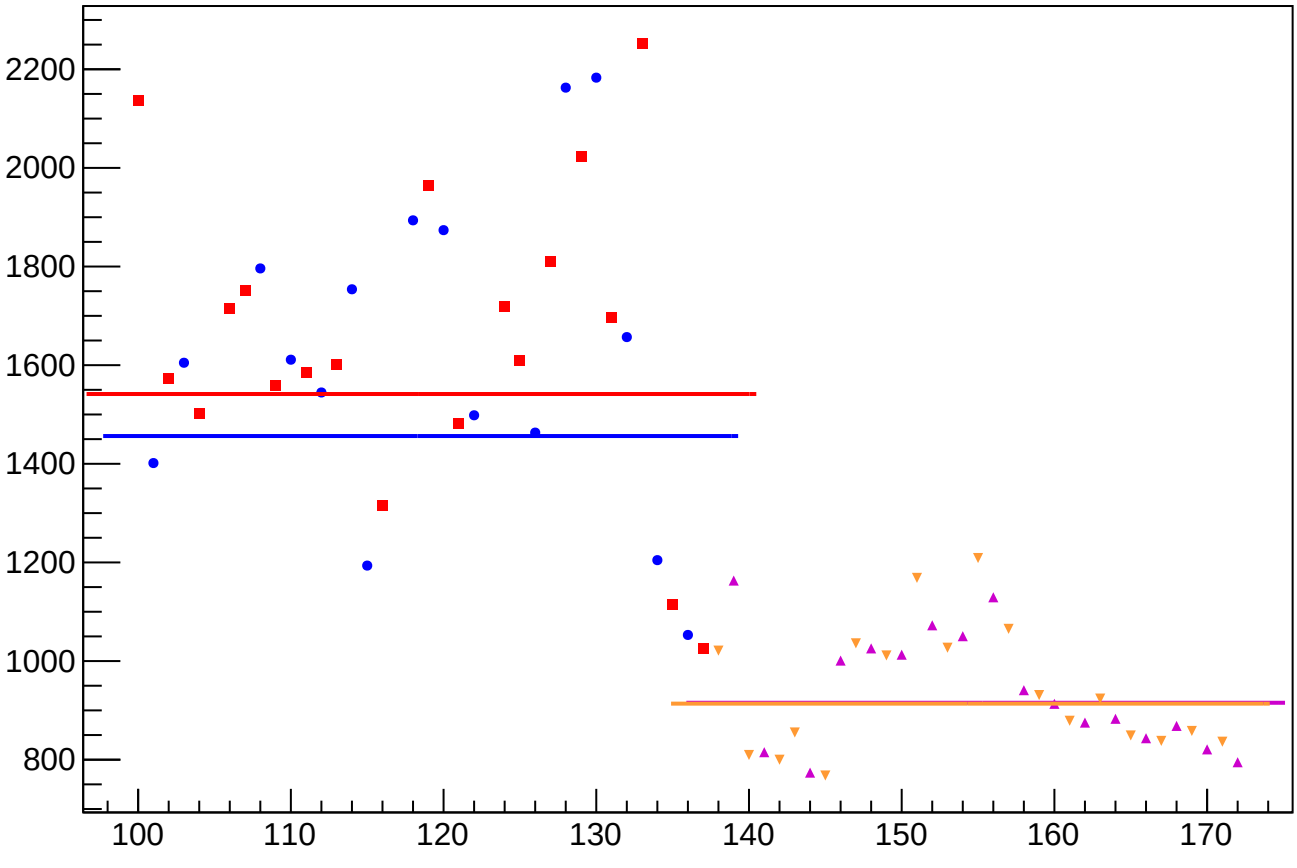
Left: -498.481+/-173.723 χ^2/NDF: 83.0/34

Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -119.679+/-225.616 χ^2/NDF:45.5/32

Out: -735.934+/-225.138 χ^2/NDF:74.8/36

All: -428.460+/-159.366 χ^2/NDF: 124.0/69



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 913.683+/-0.173 χ^2/NDF:440866.4/17

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 915.443+/-0.174 χ^2/NDF:414930.9/16

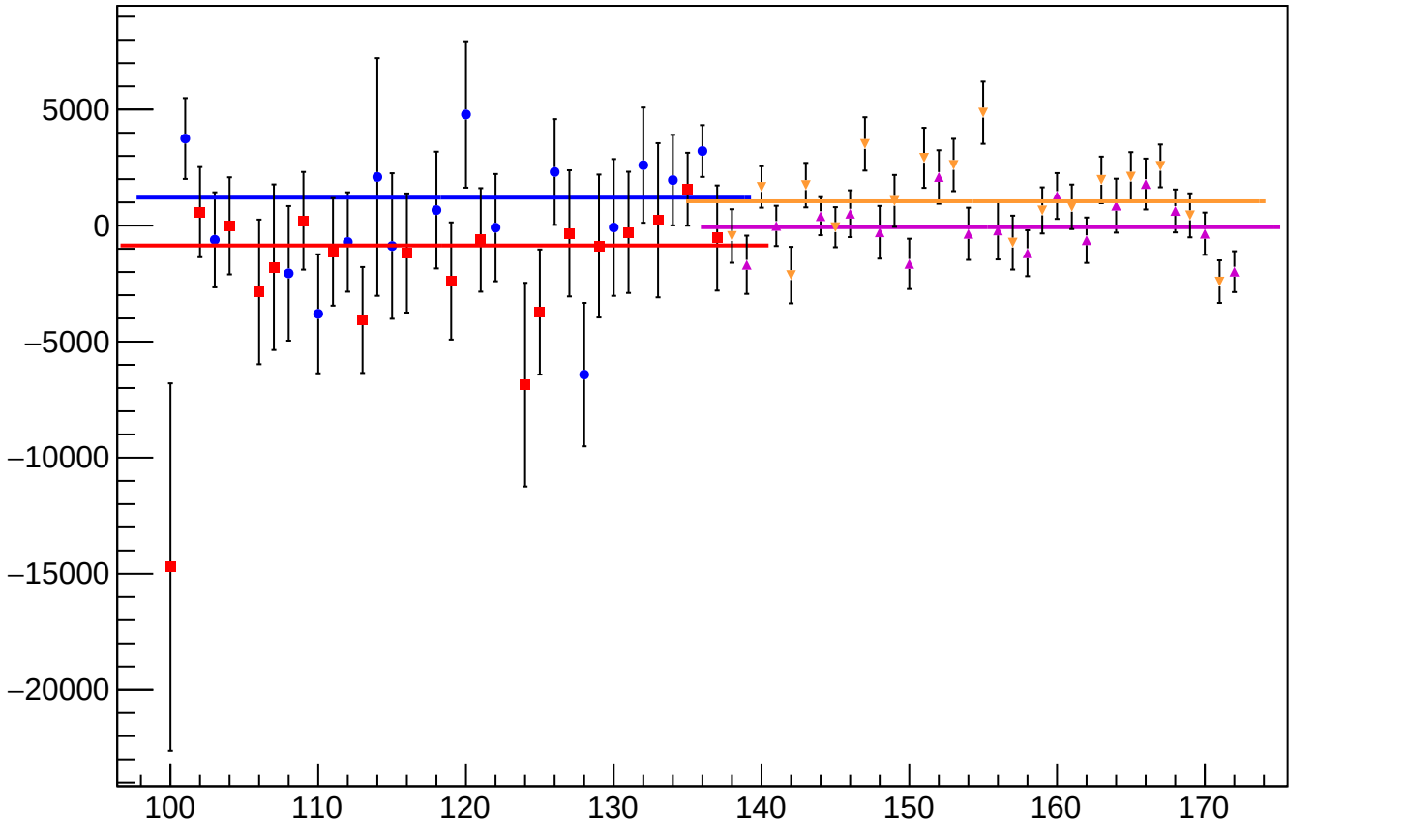
Left: 914.556+/-0.123 χ^2/NDF: 855848.6/34

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 1003.977+/-0.160 χ^2/NDF:2673168.5/32

Out: 1009.902+/-0.159 χ^2/NDF:2978528.0/36

All: 1006.946+/-0.113 χ^2/NDF: 5652387.6/69



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1047.633+/-243.820 χ^2/NDF:49.7/17

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: 493.237+/-173.017 χ^2/NDF: 80.6/34

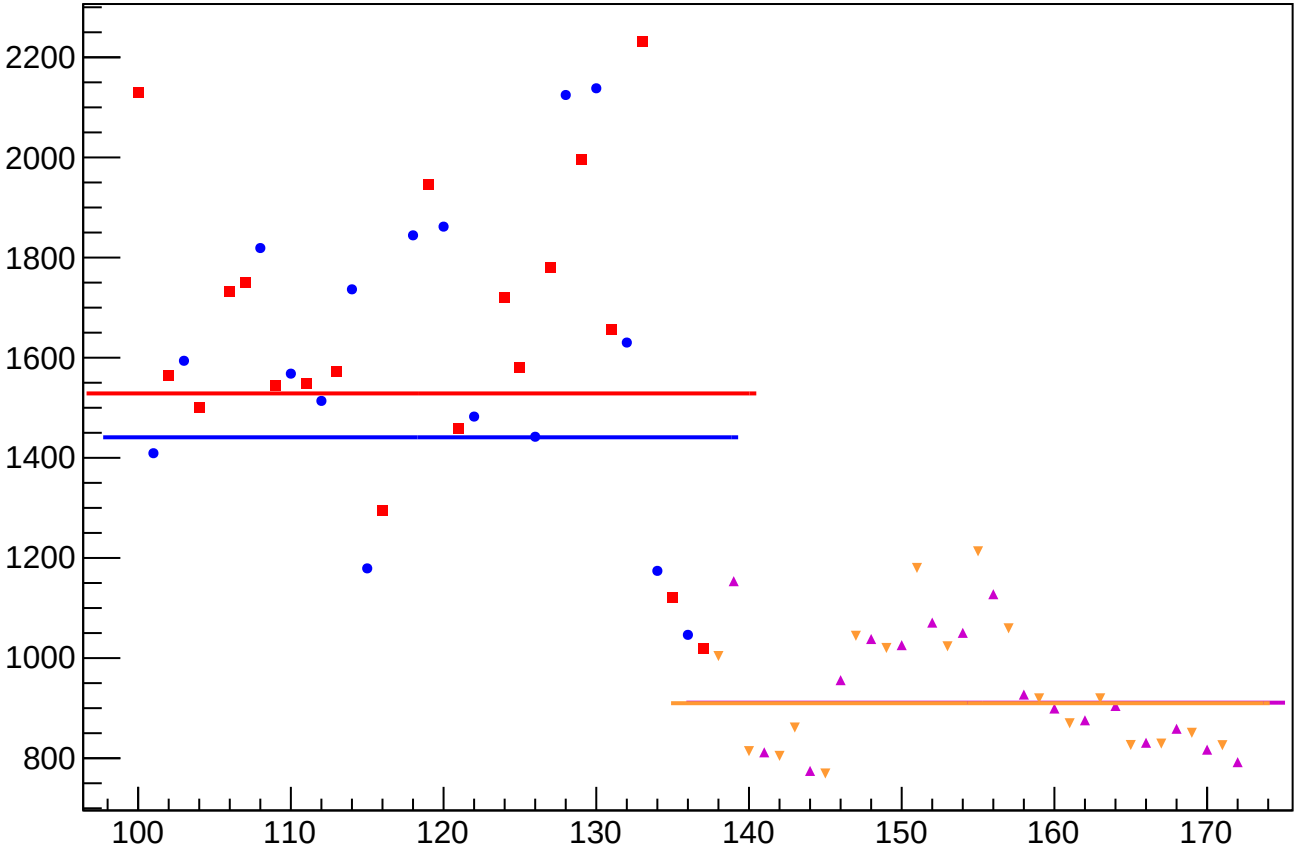
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 141.516+/-224.340 χ^2/NDF:46.1/32

Out: 753.027+/-224.196 χ^2/NDF:71.7/36

All: 447.468+/-158.581 χ^2/NDF: 121.5/69

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 909.886+/-0.172 χ^2/NDF:455753.9/17

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 910.950+/-0.174 χ^2/NDF:415393.1/16

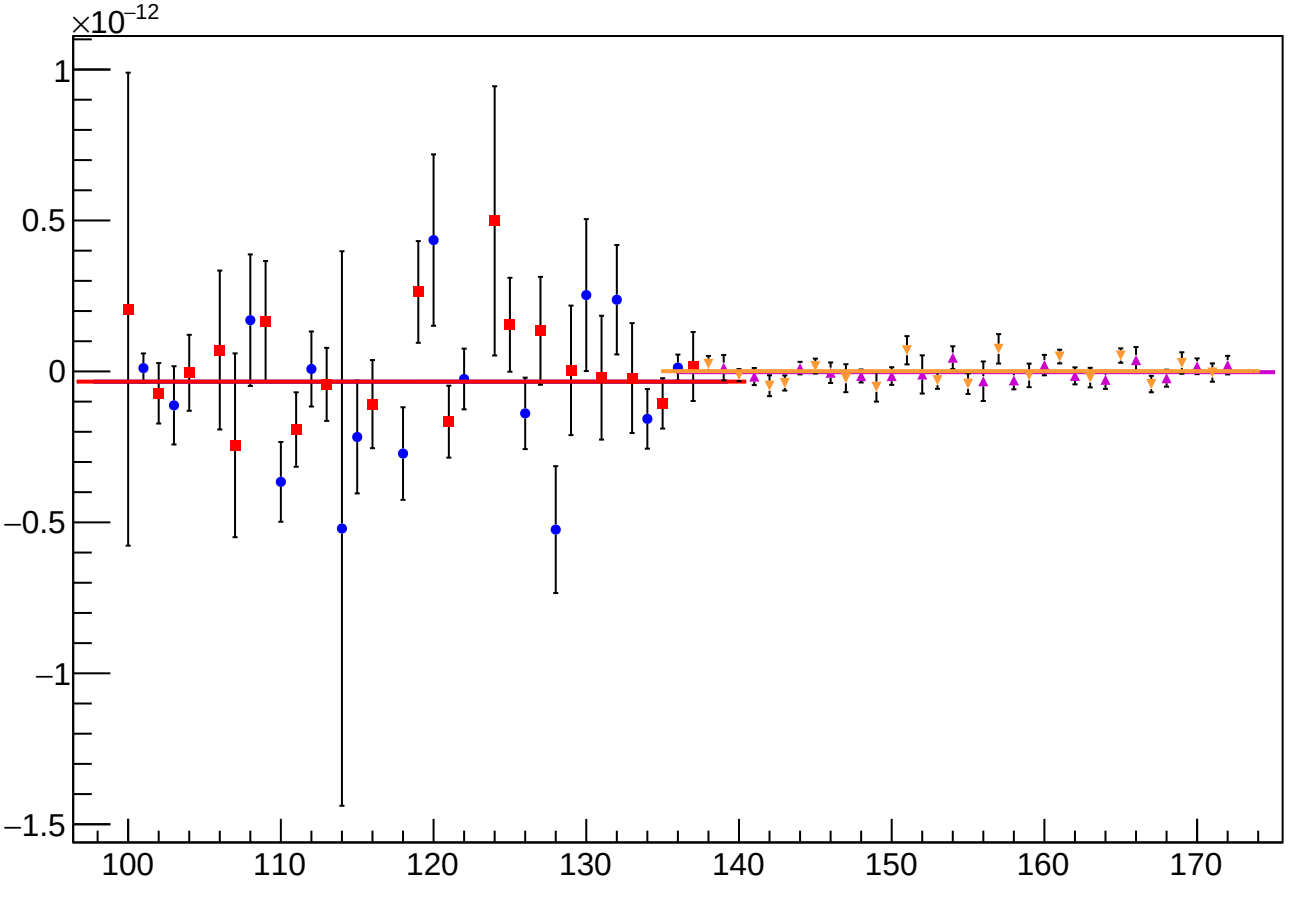
Left: 910.414+/-0.122 χ^2/NDF: 871165.8/34

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 998.589+/-0.159 χ^2/NDF:2626937.0/32

Out: 1005.481+/-0.159 χ^2/NDF:2947472.9/36

All: 1002.038+/-0.112 χ^2/NDF: 5575354.3/69



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/17

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:7.9/16

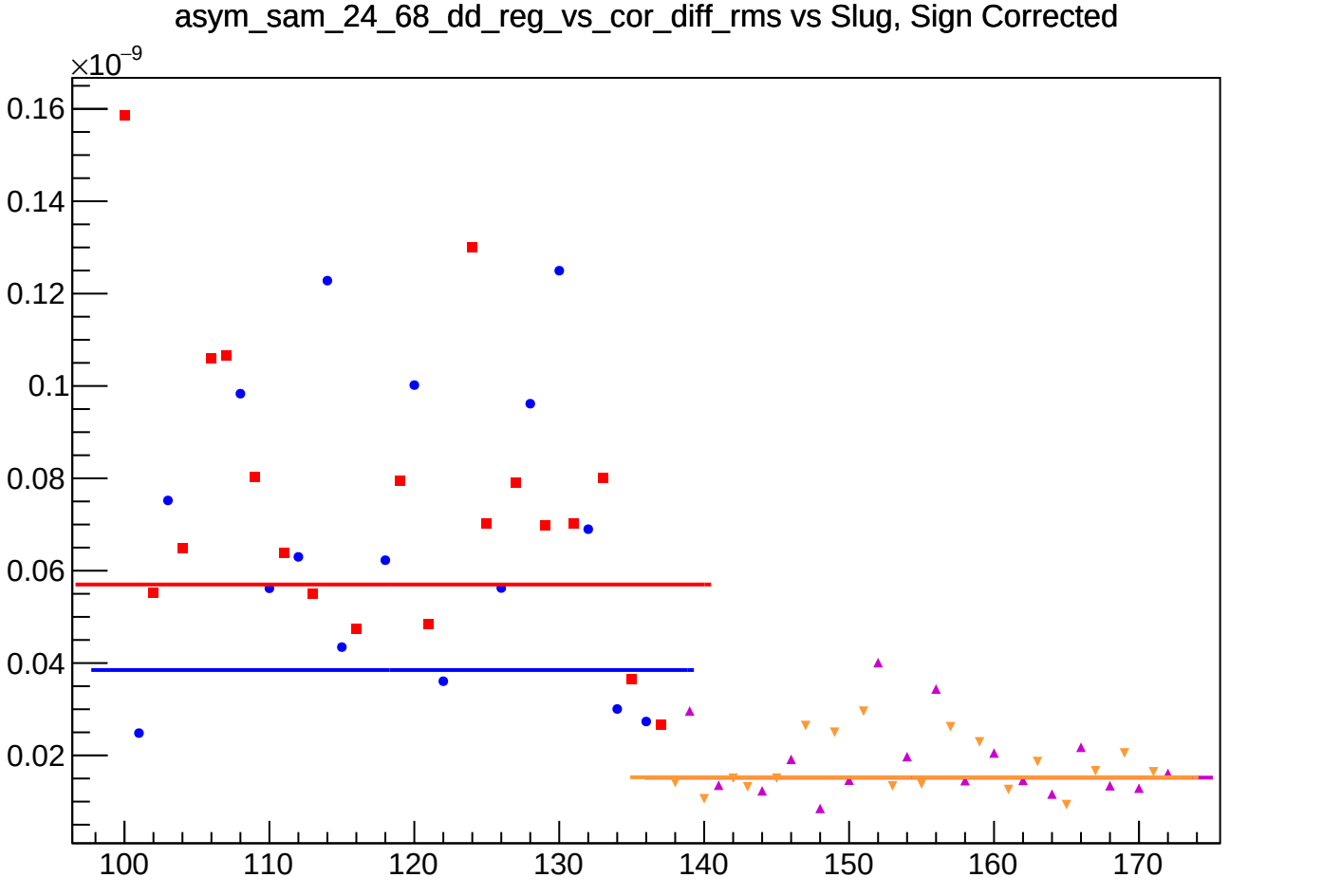
Left: -0.000+/-0.000 χ^2/NDF: 35.5/34

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:41.4/36

All: -0.000+/-0.000 χ^2/NDF: 78.4/69



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:921603.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1163050.1/16

Left: 0.000+/-0.000 χ^2/NDF: 2084776.2/34

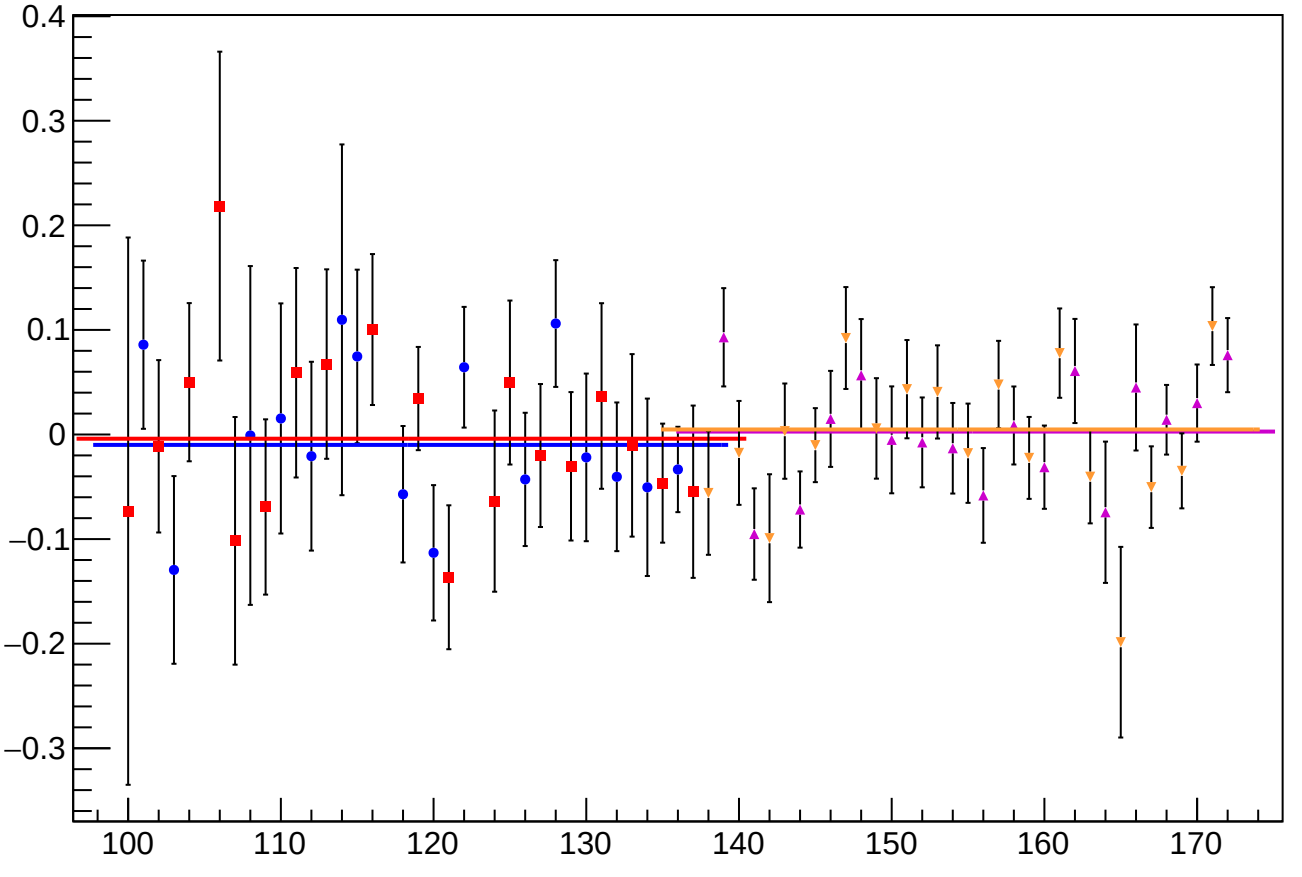
Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:4136687.2/32

Out: 0.000+/-0.000 χ^2/NDF:4507561.8/36

All: 0.000+/-0.000 χ^2/NDF: 8644358.5/69

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.005+/-0.011 χ^2/NDF:29.9/17

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.010 χ^2/NDF:24.8/16

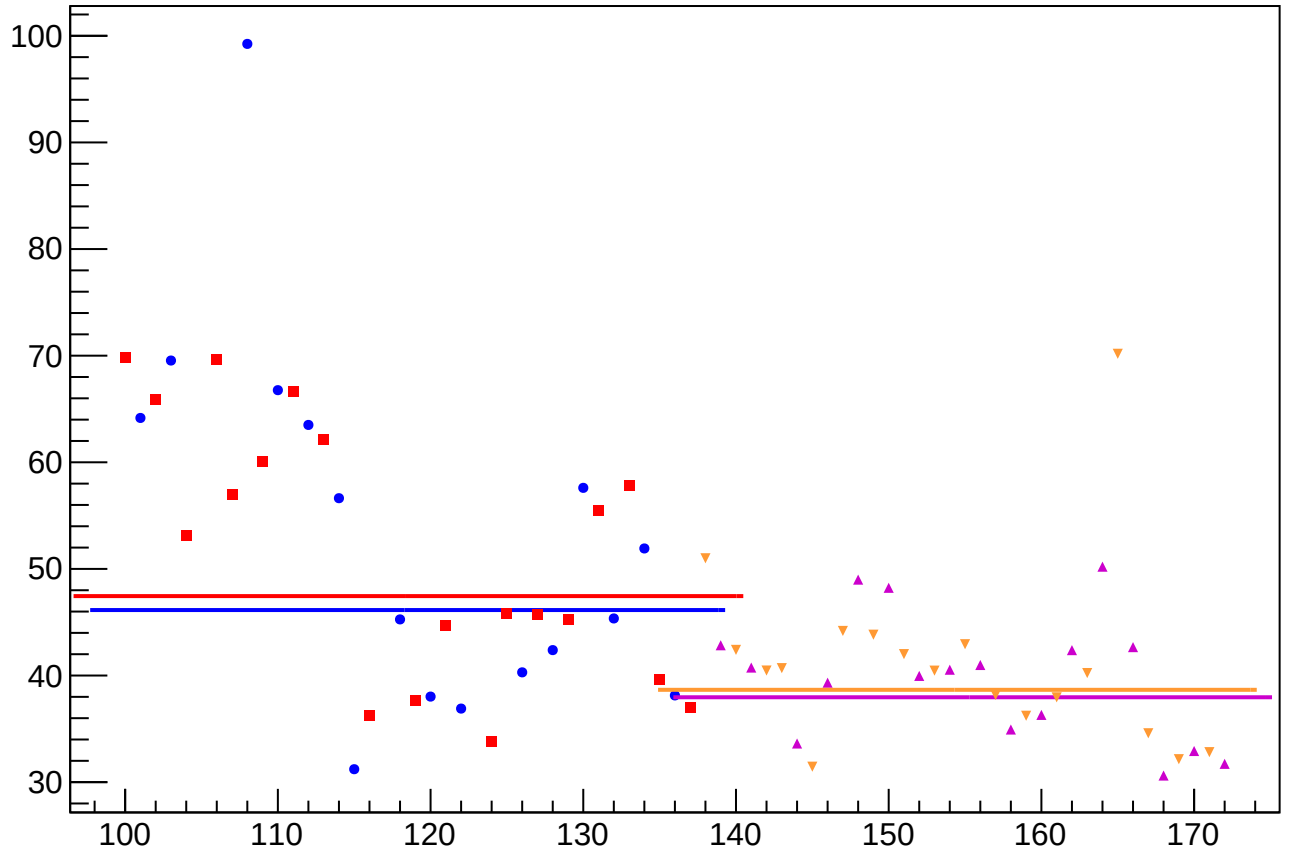
Left: 0.004+/-0.007 χ^2/NDF: 54.7/34

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.000+/-0.009 χ^2/NDF:39.4/32

Out: 0.003+/-0.009 χ^2/NDF:43.9/36

All: 0.001+/-0.006 χ^2/NDF: 83.4/69



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 38.660+/-0.007 χ^2/NDF:653176.8/17

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: 38.308+/-0.005 χ^2/NDF: 1209645.4/34

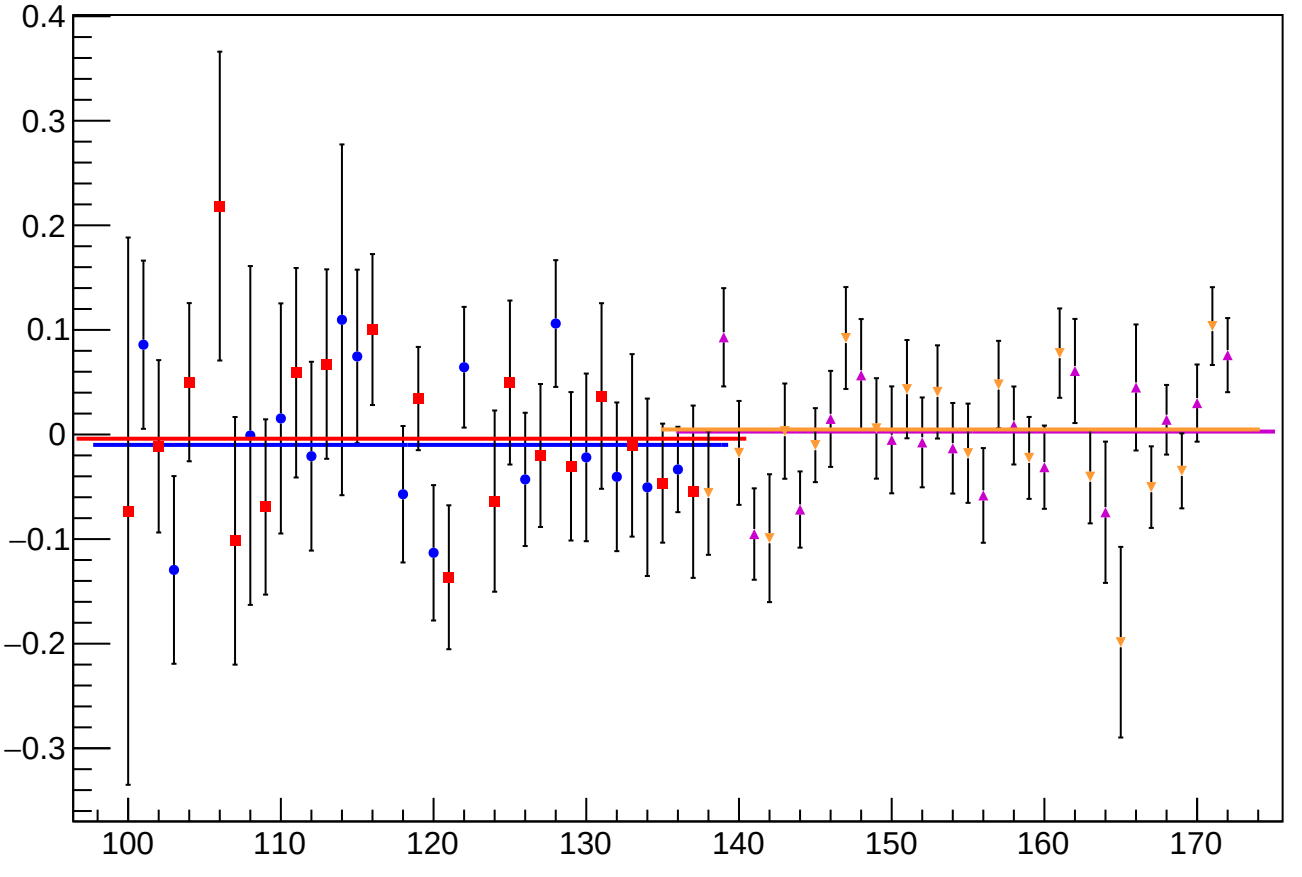
Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 40.022+/-0.006 χ^2/NDF:1764563.4/32

Out: 40.878+/-0.006 χ^2/NDF:1660742.3/36

All: 40.447+/-0.005 χ^2/NDF: 3434253.3/69

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.005+/-0.011 χ^2/NDF:29.9/17

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.010 χ^2/NDF:24.8/16

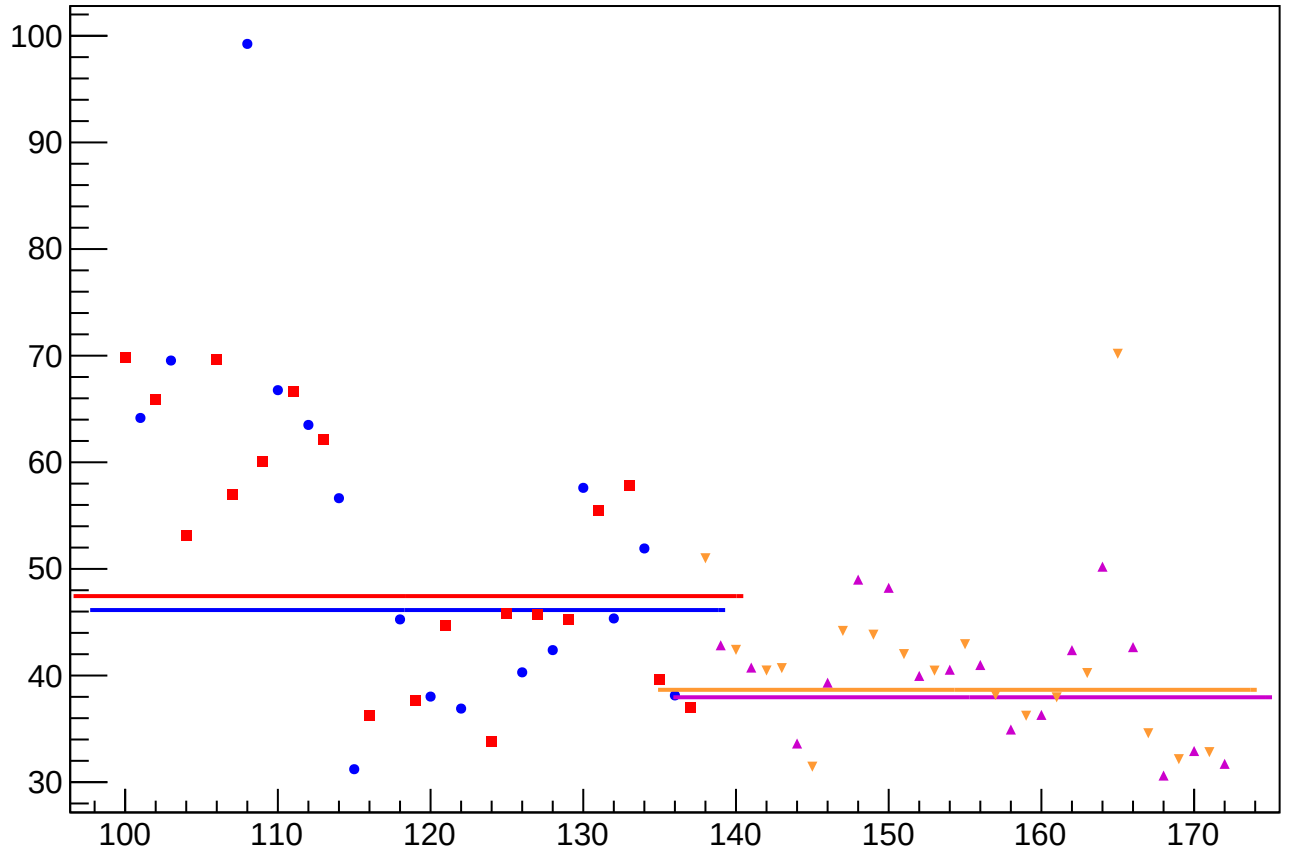
Left: 0.004+/-0.007 χ^2/NDF: 54.7/34

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.000+/-0.009 χ^2/NDF:39.4/32

Out: 0.003+/-0.009 χ^2/NDF:43.9/36

All: 0.001+/-0.006 χ^2/NDF: 83.4/69



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 38.660+/-0.007 χ^2/NDF:653176.8/17

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 37.961+/-0.007 χ^2/NDF:552013.9/16

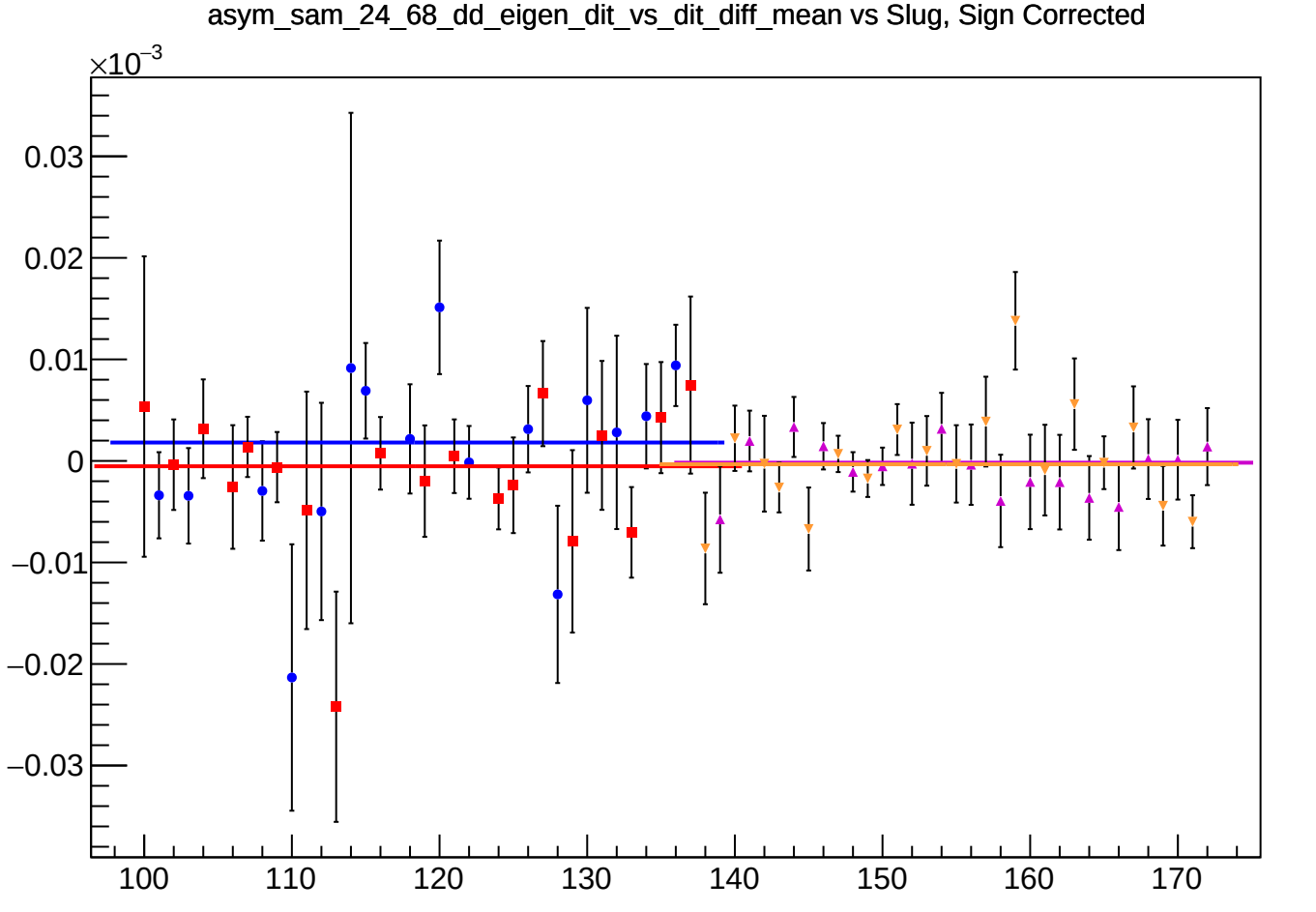
Left: 38.308+/-0.005 χ^2/NDF: 1209645.4/34

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 40.022+/-0.006 χ^2/NDF:1764563.4/32

Out: 40.878+/-0.006 χ^2/NDF:1660742.3/36

All: 40.447+/-0.005 χ^2/NDF: 3434253.3/69



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.1/17

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: 34.8/34

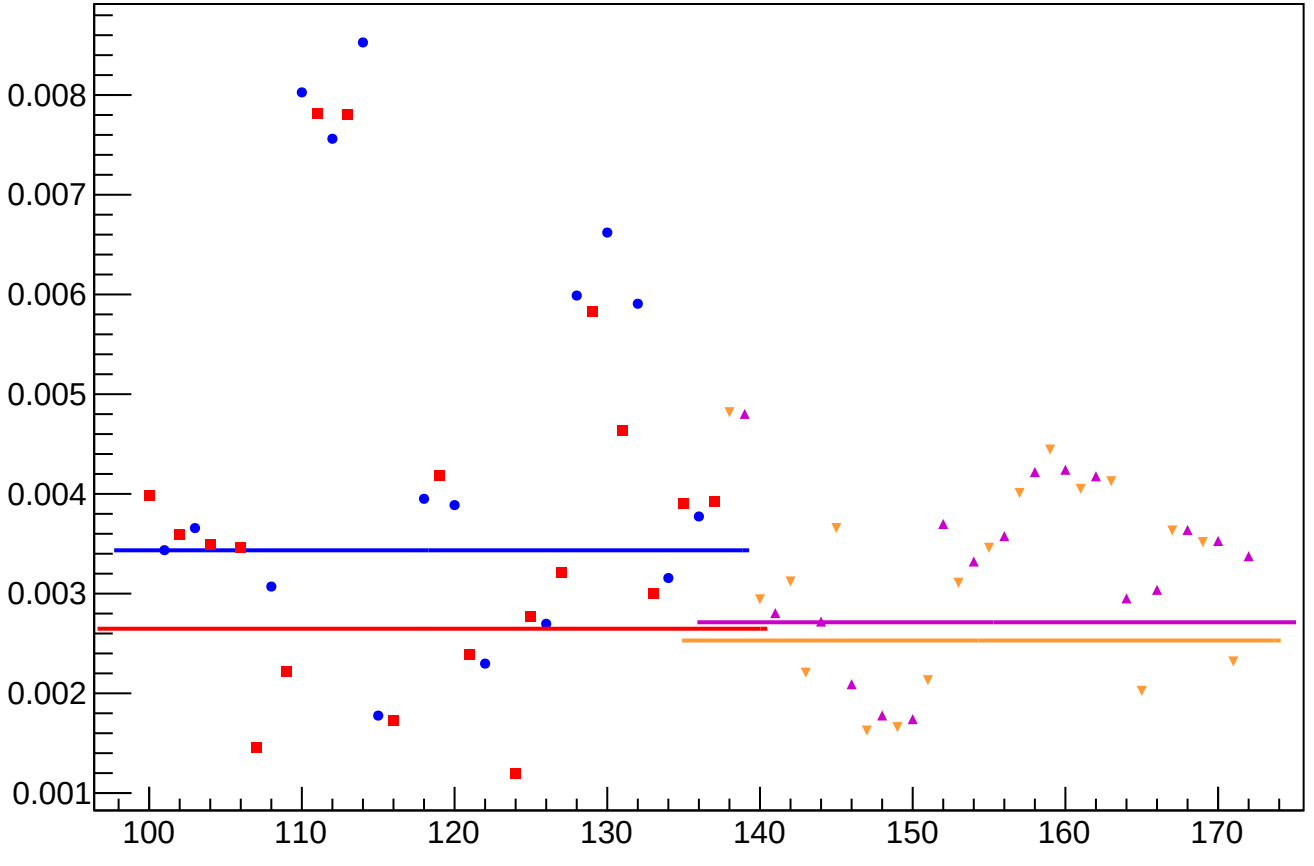
Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:29.2/32

Out: -0.000+/-0.000 χ^2/NDF:40.9/36

All: -0.000+/-0.000 χ^2/NDF: 70.7/69

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3180863.3/17

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: 5908559.9/34

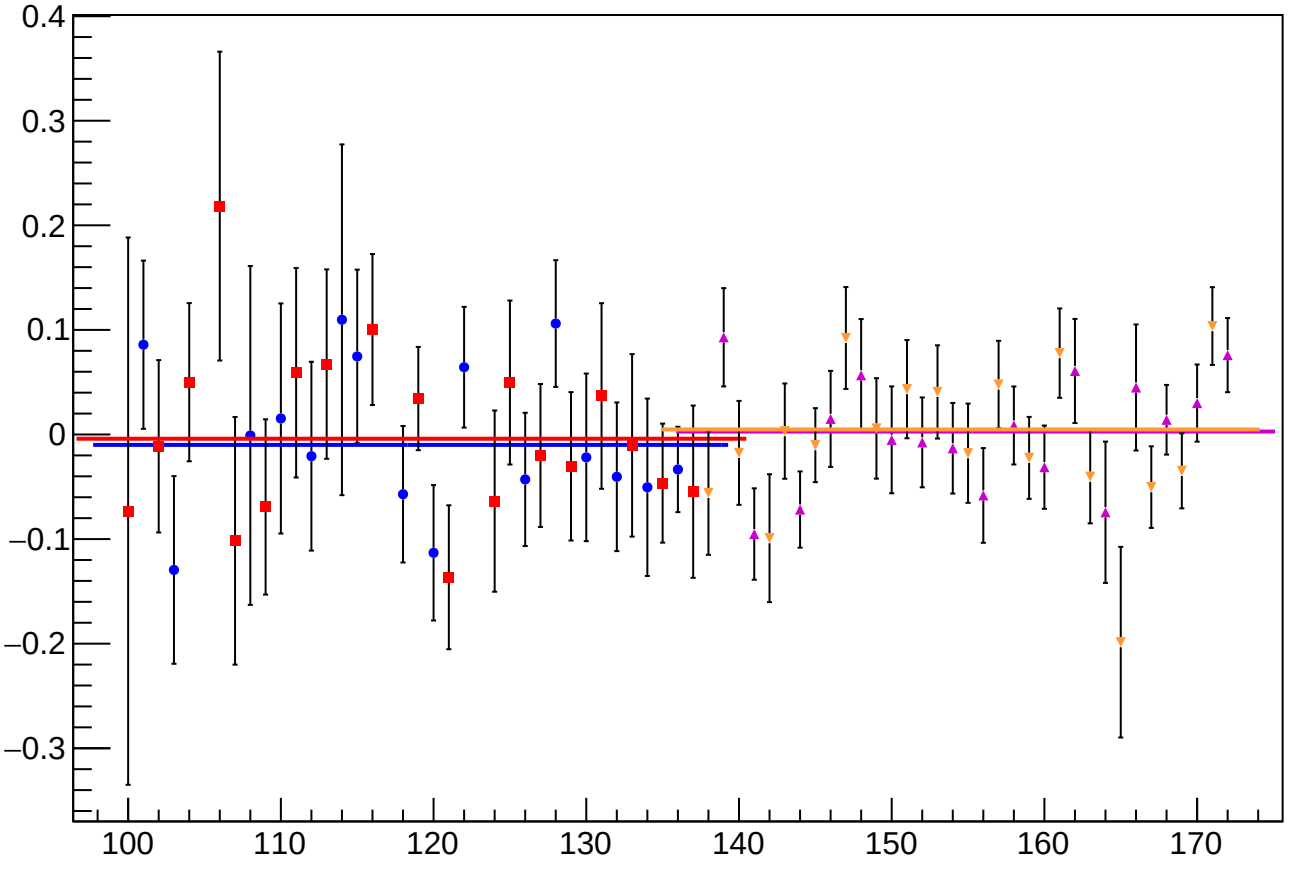
Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:4836038.1/32

Out: 0.003+/-0.000 χ^2/NDF:5894145.3/36

All: 0.003+/-0.000 χ^2/NDF: 10983756.3/69

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.005+/-0.011 χ^2/NDF:29.9/17

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.010 χ^2/NDF:24.8/16

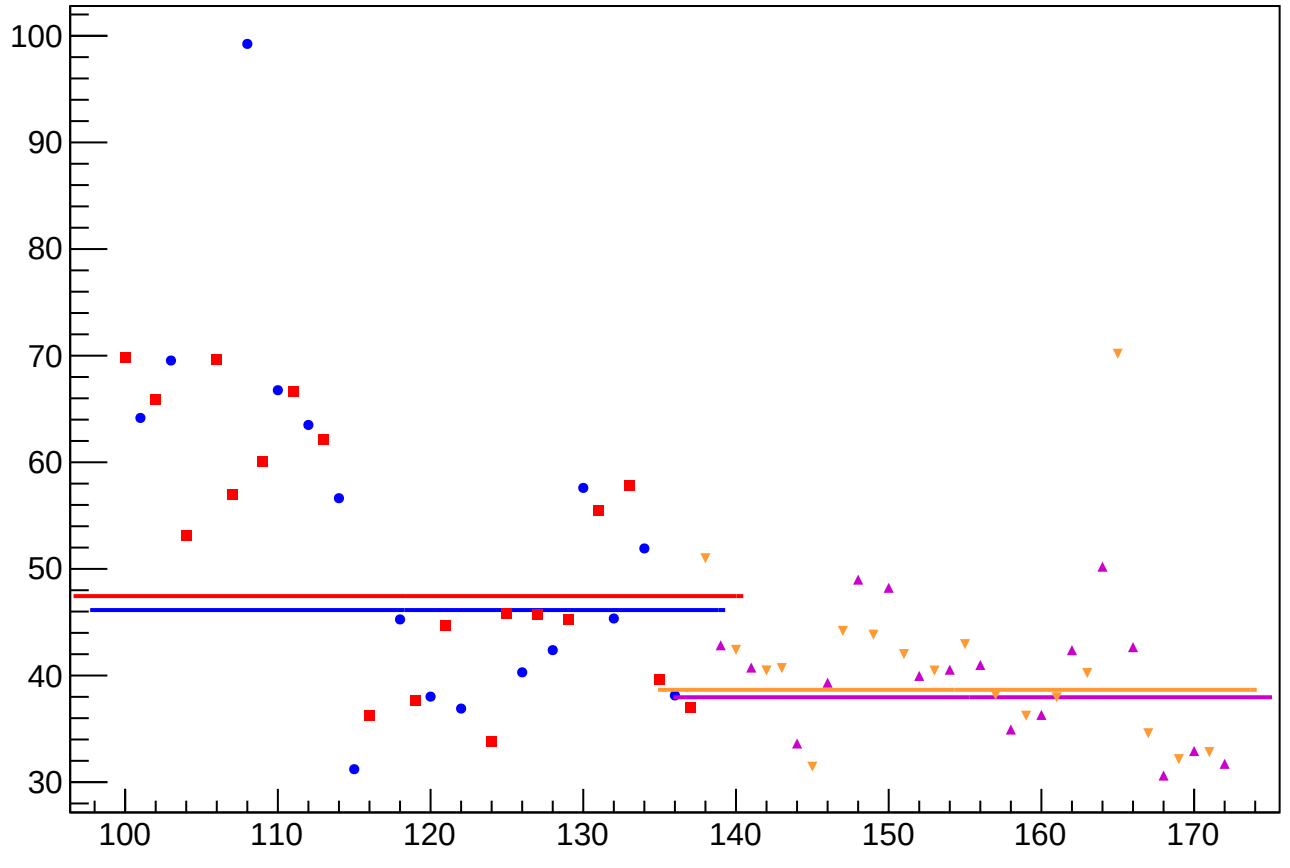
Left: 0.004+/-0.007 χ^2/NDF: 54.7/34

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.000+/-0.009 χ^2/NDF:39.4/32

Out: 0.003+/-0.009 χ^2/NDF:43.9/36

All: 0.001+/-0.006 χ^2/NDF: 83.4/69



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.660+/-0.007 χ^2/NDF:653214.9/17

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: 38.308+/-0.005 χ^2/NDF: 1209736.6/34

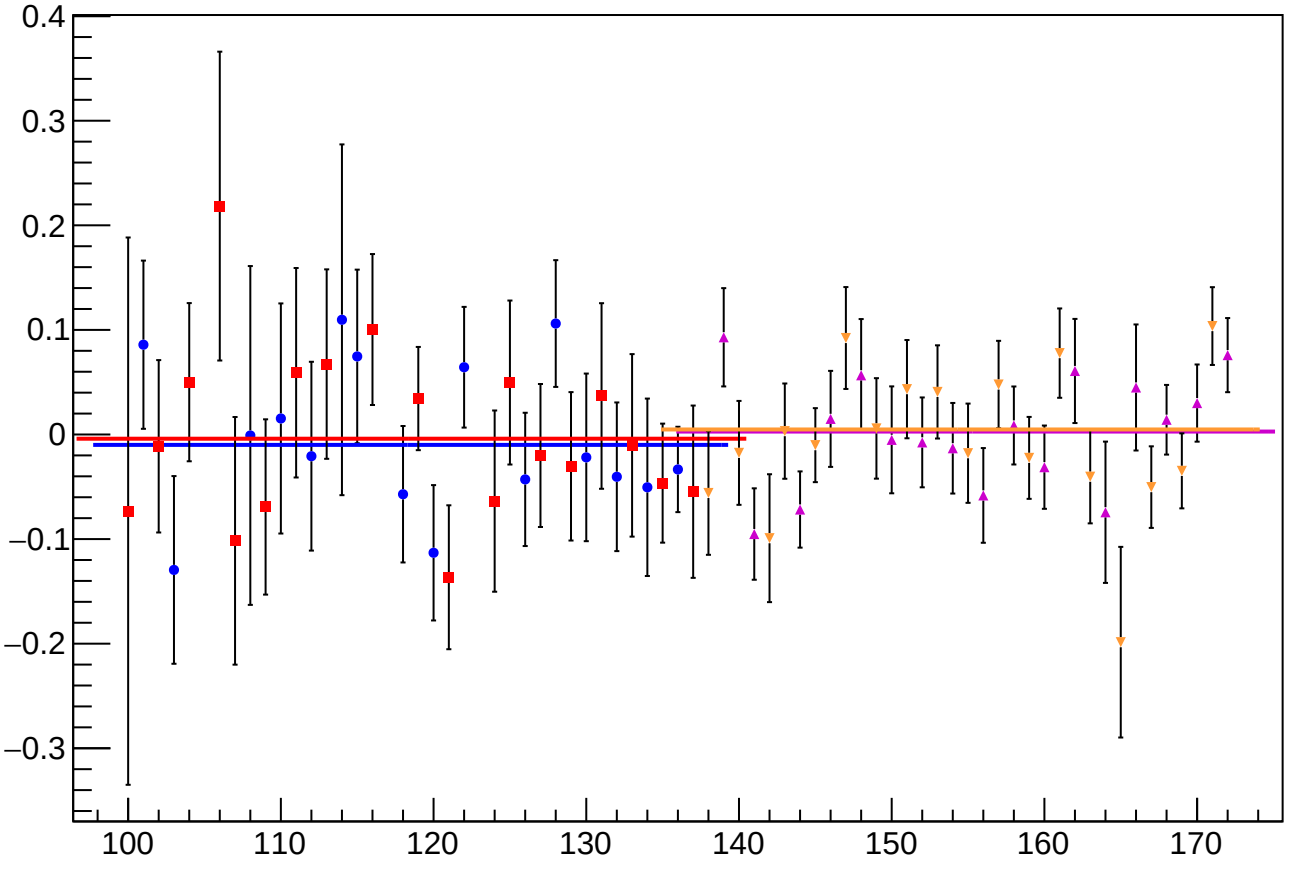
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 40.021+/-0.006 χ^2/NDF:1764496.5/32

Out: 40.878+/-0.006 χ^2/NDF:1660686.5/36

All: 40.447+/-0.005 χ^2/NDF: 3434136.4/69

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: 0.005+/-0.011 χ^2/NDF:29.9/17

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.010 χ^2/NDF:24.8/16

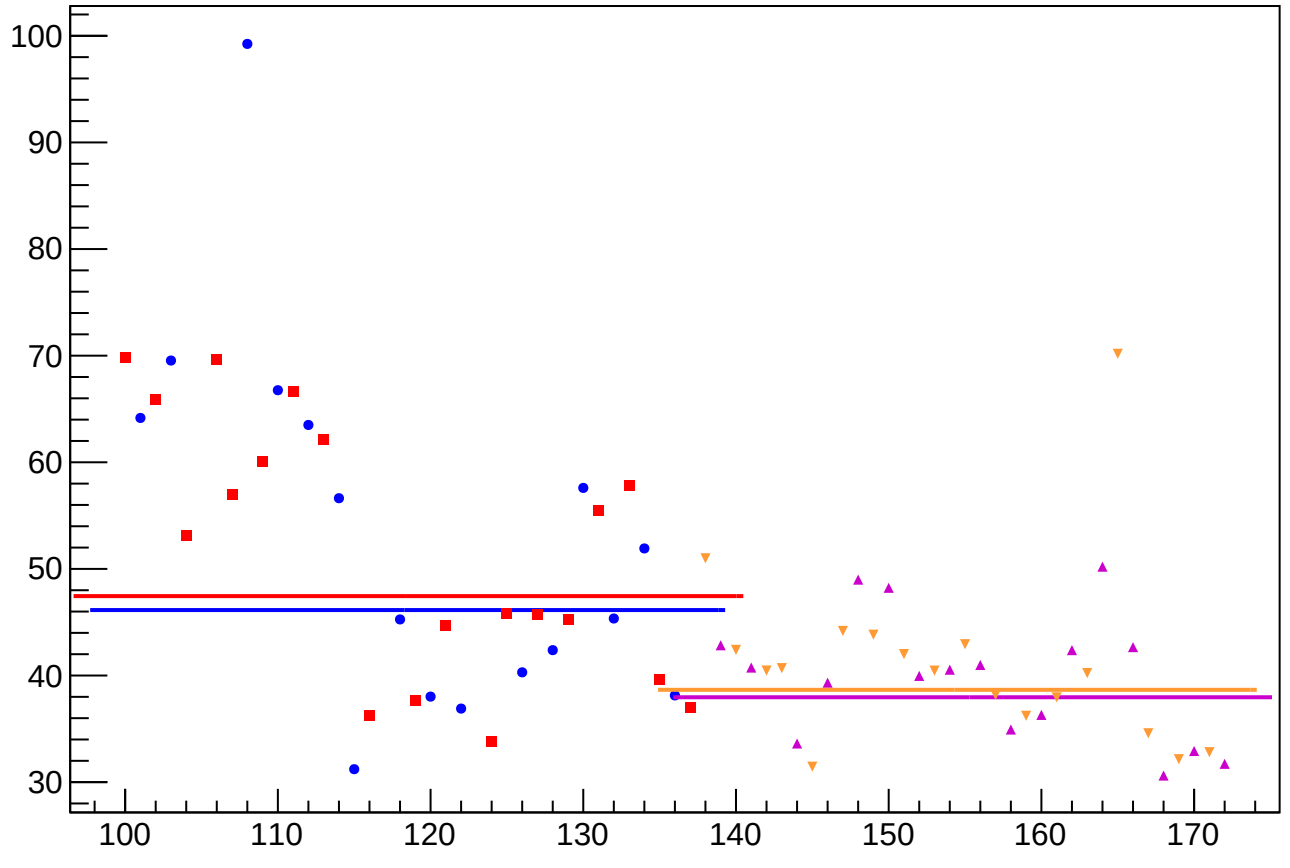
Left: 0.004+/-0.007 χ^2/NDF: 54.7/34

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.000+/-0.009 χ^2/NDF:39.4/32

Out: 0.003+/-0.009 χ^2/NDF:43.9/36

All: 0.001+/-0.006 χ^2/NDF: 83.4/69



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.660+/-0.007 χ^2/NDF:653214.9/17

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 37.961+/-0.007 χ^2/NDF:552063.9/16

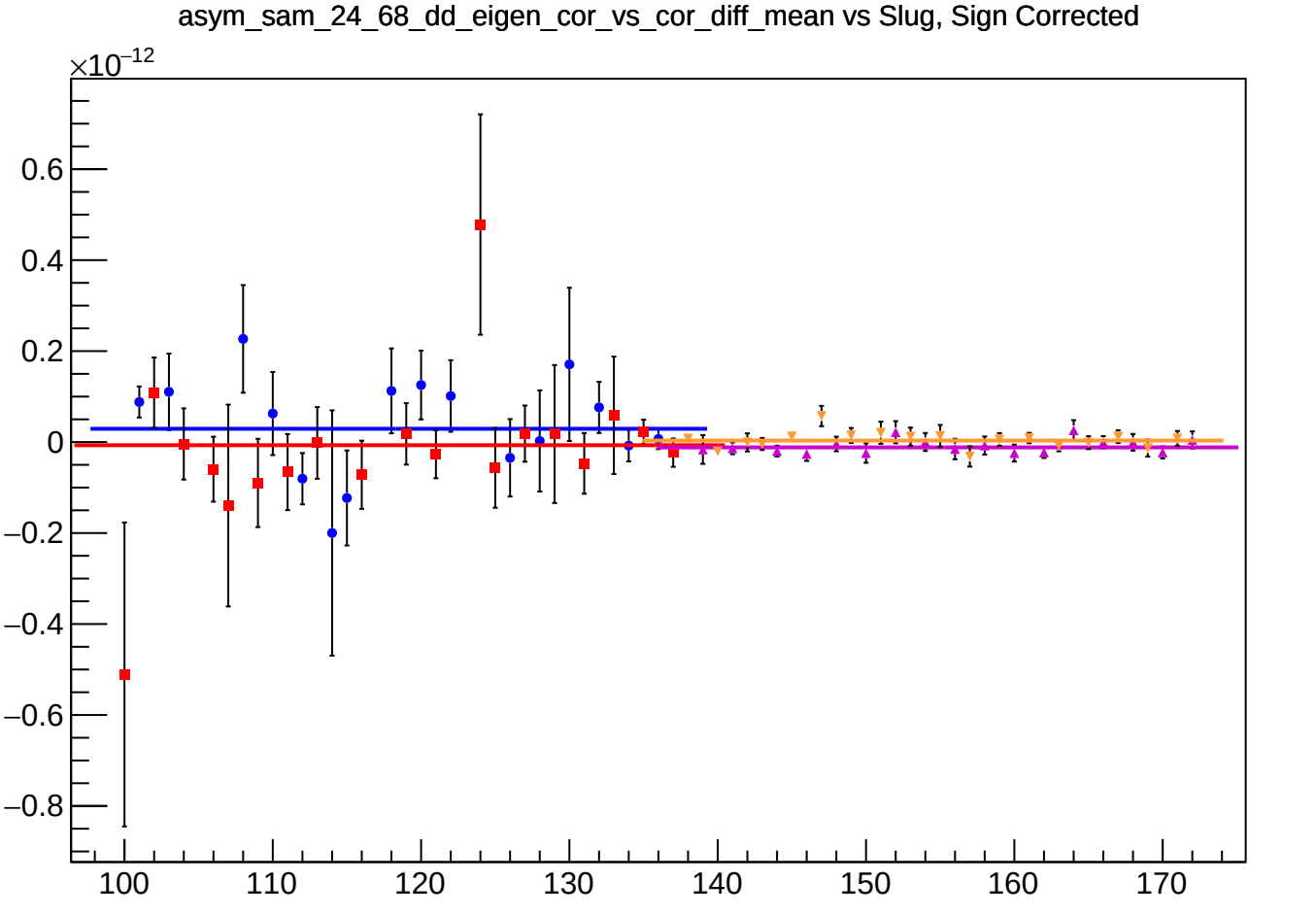
Left: 38.308+/-0.005 χ^2/NDF: 1209736.6/34

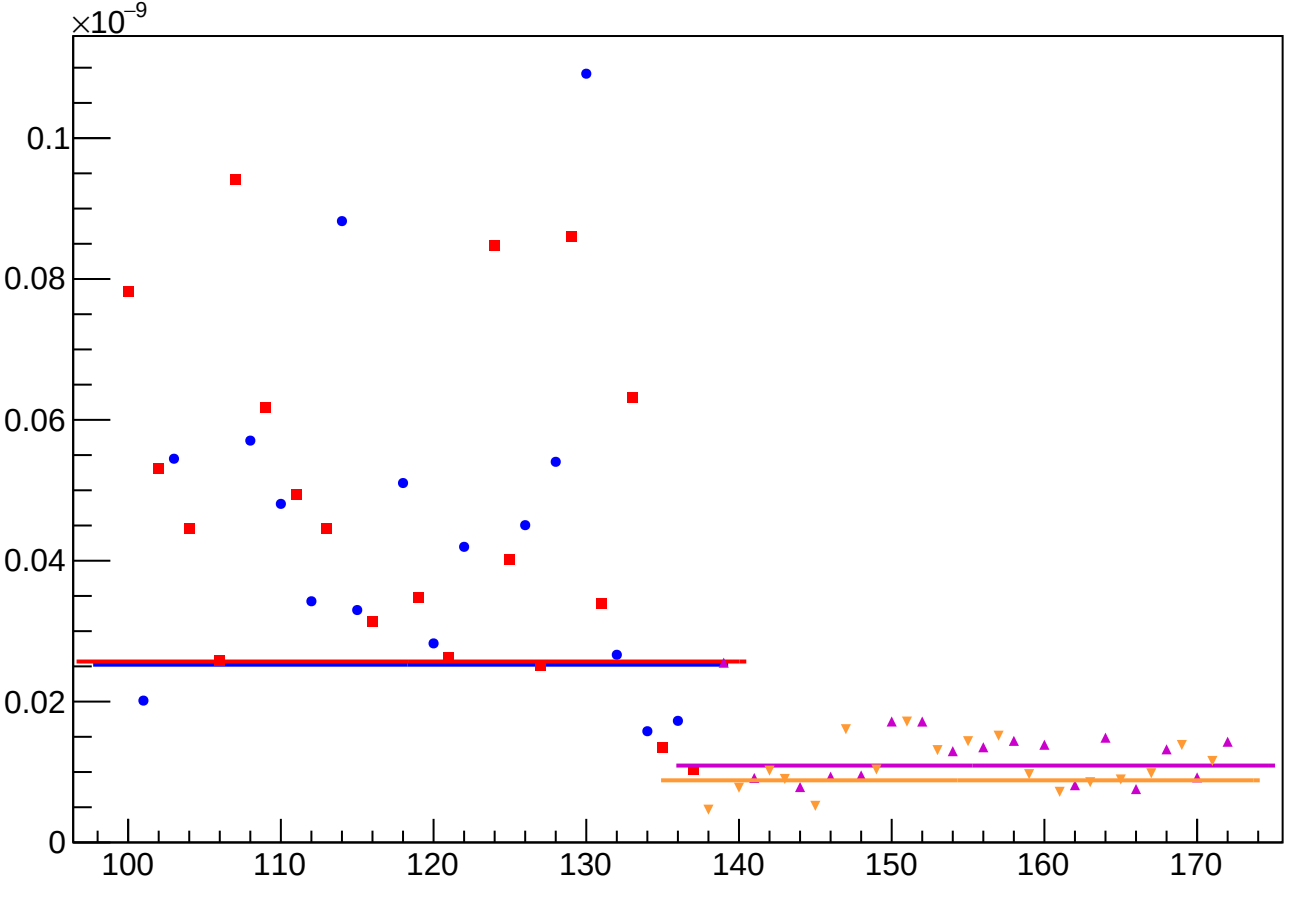
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 40.021+/-0.006 χ^2/NDF:1764496.5/32

Out: 40.878+/-0.006 χ^2/NDF:1660686.5/36

All: 40.447+/-0.005 χ^2/NDF: 3434136.4/69


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:18.5/17
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: 37.8/34
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:33.3/36
All: -0.000+/-0.000 χ²/NDF: 78.5/69



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1764187.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1517362.2/16

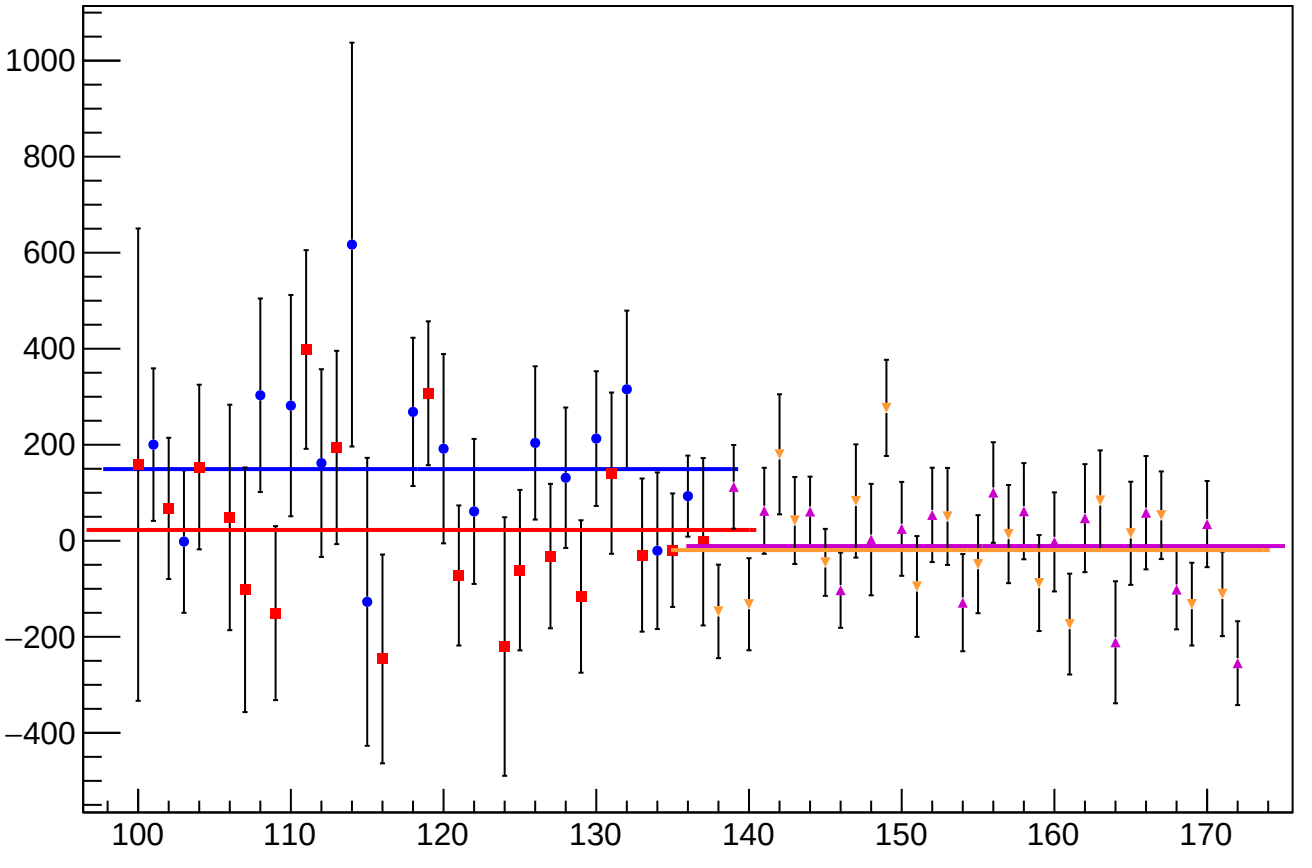
Left: 0.000+/-0.000 χ^2/NDF: 3600956.8/34

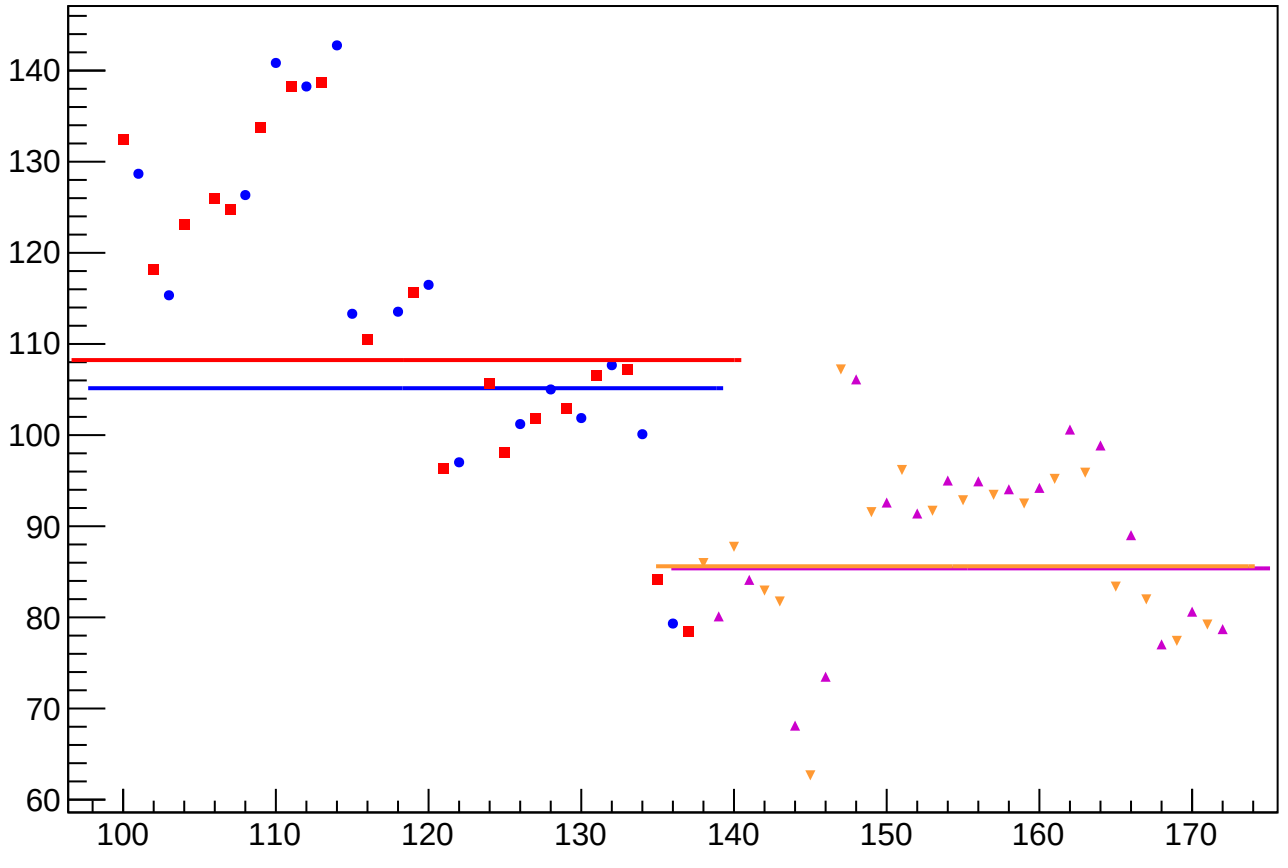
Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:5699269.2/32

Out: 0.000+/-0.000 χ^2/NDF:7177143.6/36

All: 0.000+/-0.000 χ^2/NDF: 13318498.1/69


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: -19.398+/-22.880 χ²/NDF:24.0/17
Right Out: 22.549+/-40.100 χ²/NDF: 14.2/18
Left In: -10.960+/-23.023 χ²/NDF:21.0/16
Left: -15.205+/-16.229 χ²/NDF: 45.1/34
Right: 86.583+/-28.208 χ²/NDF: 27.3/34
In: 29.395+/-19.915 χ²/NDF:41.2/32
Out: -9.096+/-19.873 χ²/NDF:39.1/36
All: 10.109+/-14.067 χ²/NDF: 82.2/69



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 85.608+/-0.016 χ^2/NDF:423382.1/17

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: 85.493+/-0.011 χ^2/NDF: 835304.6/34

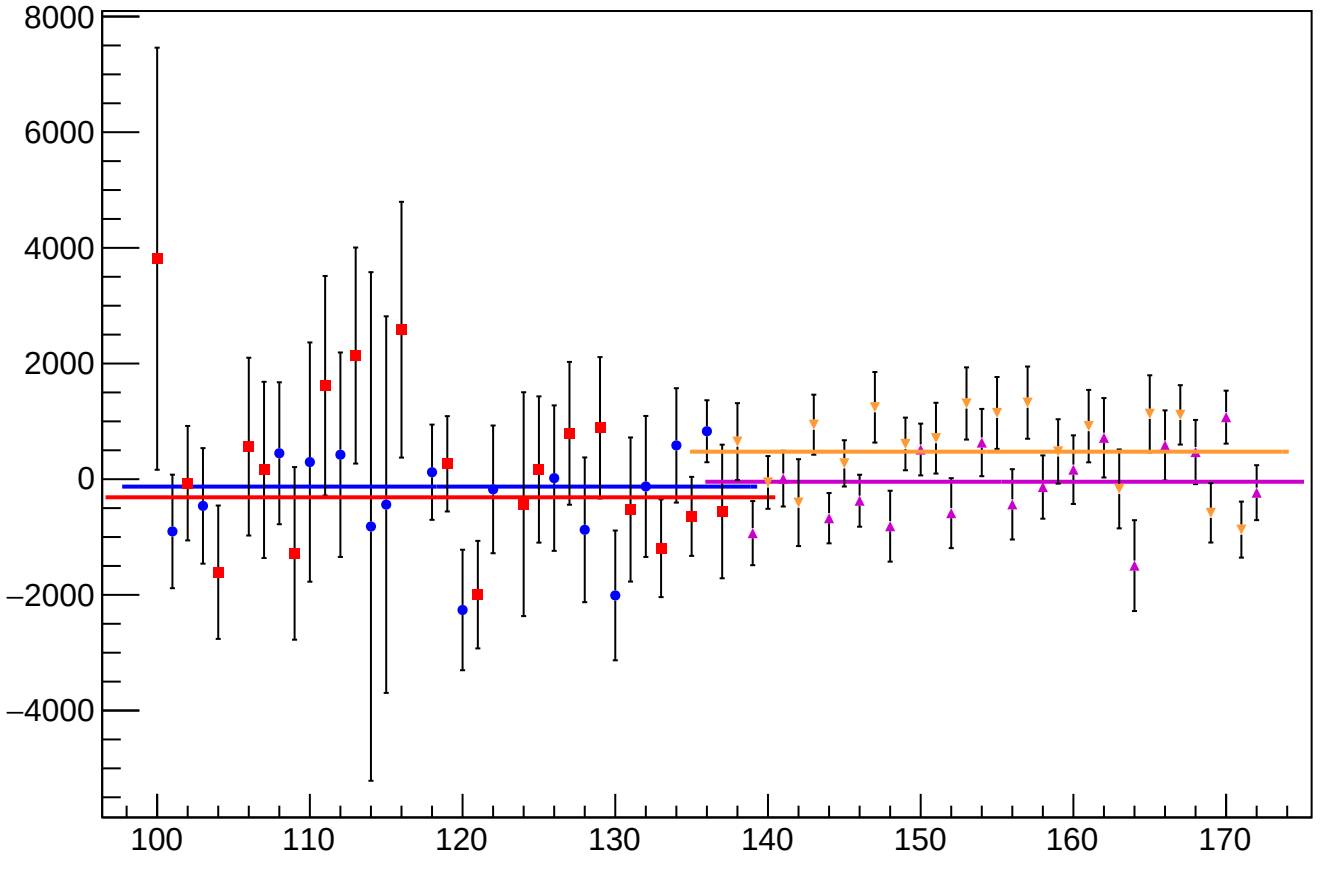
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 90.354+/-0.014 χ^2/NDF:1191576.5/32

Out: 91.164+/-0.014 χ^2/NDF:1253616.1/36

All: 90.760+/-0.010 χ^2/NDF: 2446852.2/69

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: 475.950+/-130.491 χ^2/NDF:26.4/17

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -44.065+/-130.250 χ^2/NDF:23.7/16

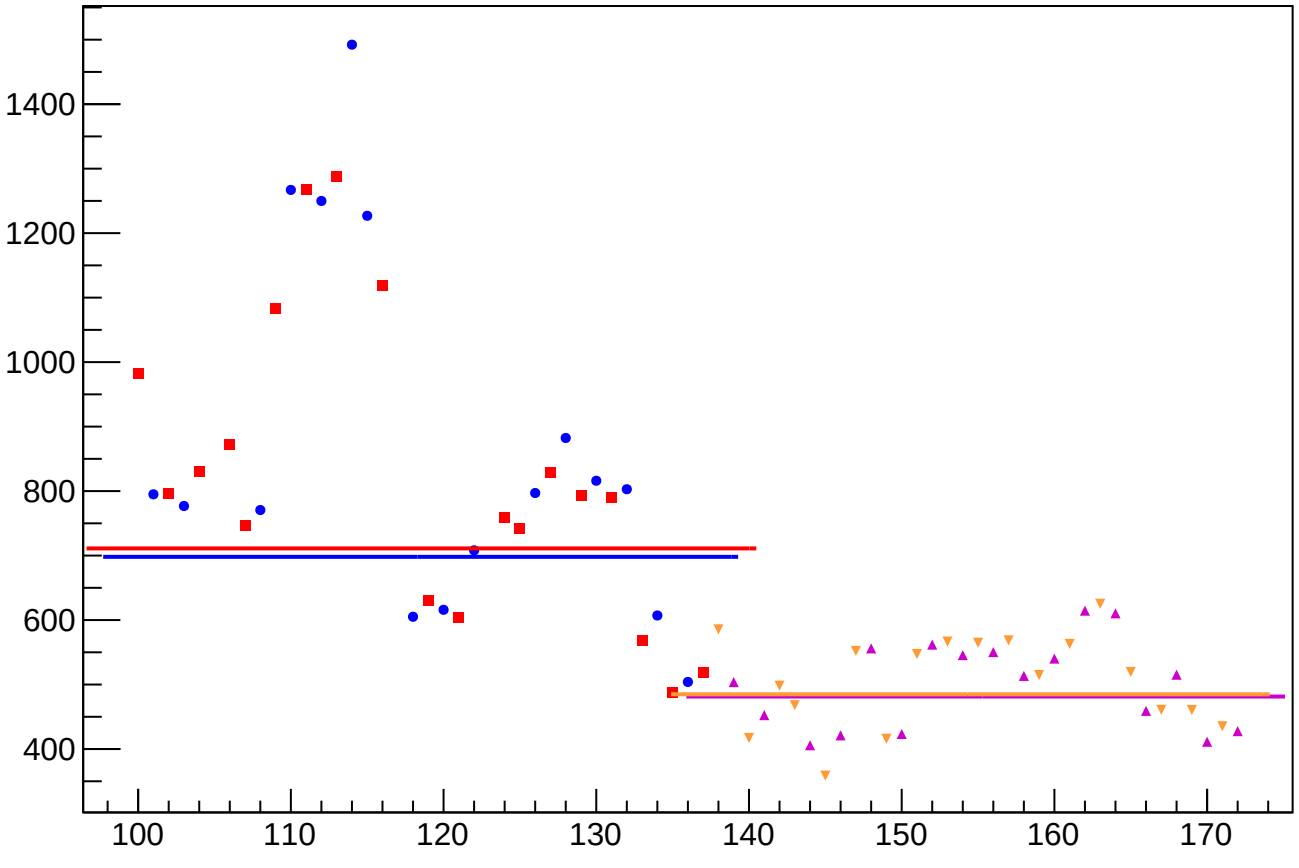
Left: 215.463+/-92.186 χ^2/NDF: 58.0/34

Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -60.054+/-117.198 χ^2/NDF:36.1/32

Out: 326.674+/-117.499 χ^2/NDF:48.3/36

All: 132.814+/-82.978 χ^2/NDF: 89.8/69



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 484.906+/-0.092 χ^2/NDF:642261.1/17

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 481.398+/-0.092 χ^2/NDF:493831.1/16

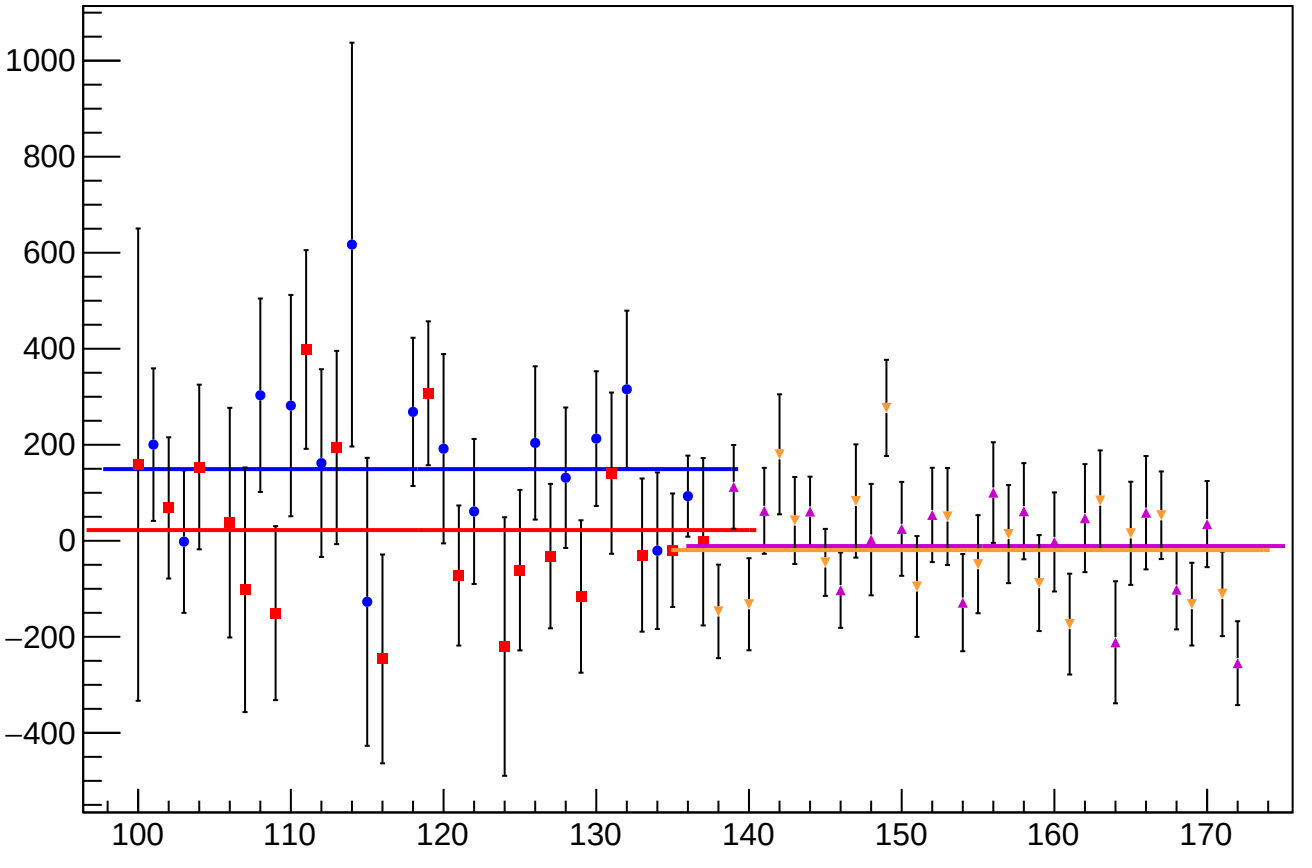
Left: 483.149+/-0.065 χ^2/NDF: 1136816.1/34

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 522.643+/-0.083 χ^2/NDF:2460126.6/32

Out: 527.700+/-0.083 χ^2/NDF:2814246.0/36

All: 525.165+/-0.059 χ^2/NDF: 5276229.6/69


cor_asym_sam_26_48_dd_mean vs Slug, Sign Corrected
1000
800
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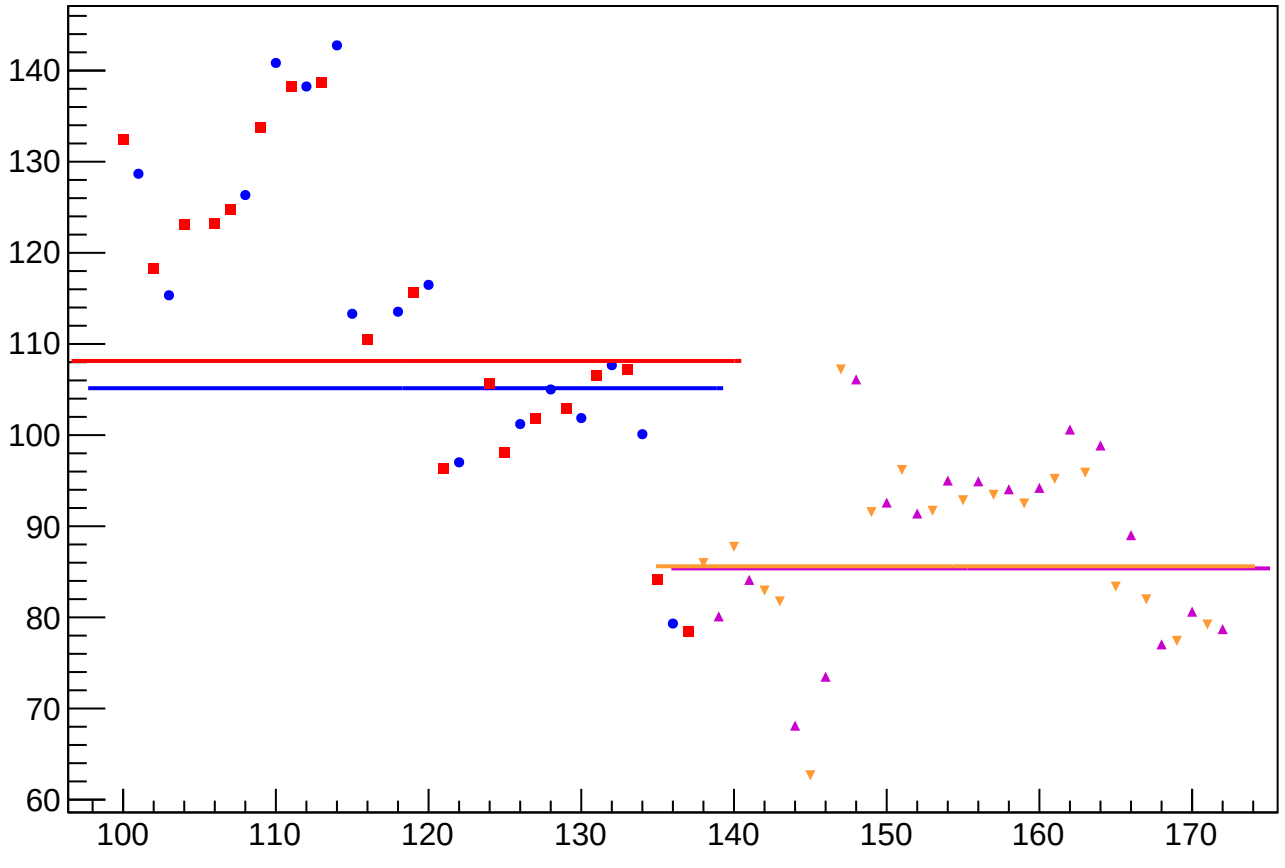
200
0
−200
−400
100
110
120
130
140
150
160
170
Right In: 149.294+/-39.687 χ²/NDF: 8.0/15
Left Out: -19.399+/-22.880 χ²/NDF:24.1/17
Right Out: 22.297+/-40.123 χ²/NDF: 14.2/18
Left In: -10.960+/-23.023 χ²/NDF:21.0/16
Left: -15.206+/-16.229 χ²/NDF: 45.1/34
Right: 86.488+/-28.216 χ²/NDF: 27.3/34
In: 29.393+/-19.915 χ²/NDF:41.2/32
Out: -9.167+/-19.875 χ²/NDF:39.1/36
All: 10.074+/-14.068 χ²/NDF: 82.2/69



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.608+/-0.016 χ^2/NDF:423382.1/17

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: 85.493+/-0.011 χ^2/NDF: 835304.6/34

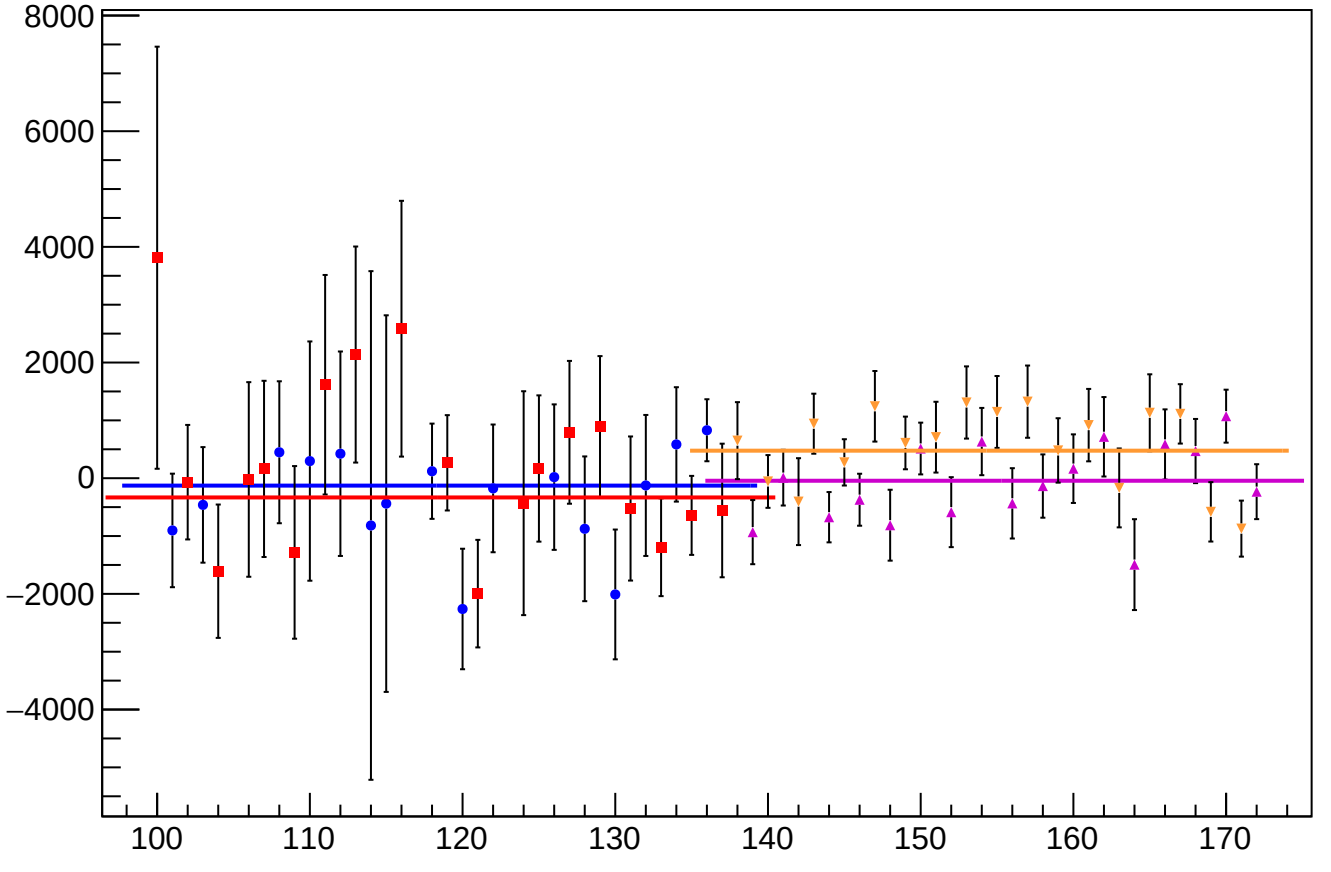
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 90.354+/-0.014 χ^2/NDF:1191576.8/32

Out: 91.136+/-0.014 χ^2/NDF:1245522.7/36

All: 90.746+/-0.010 χ^2/NDF: 2438645.2/69

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: 475.951+/-130.491 χ^2/NDF:26.4/17

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -44.066+/-130.250 χ^2/NDF:23.7/16

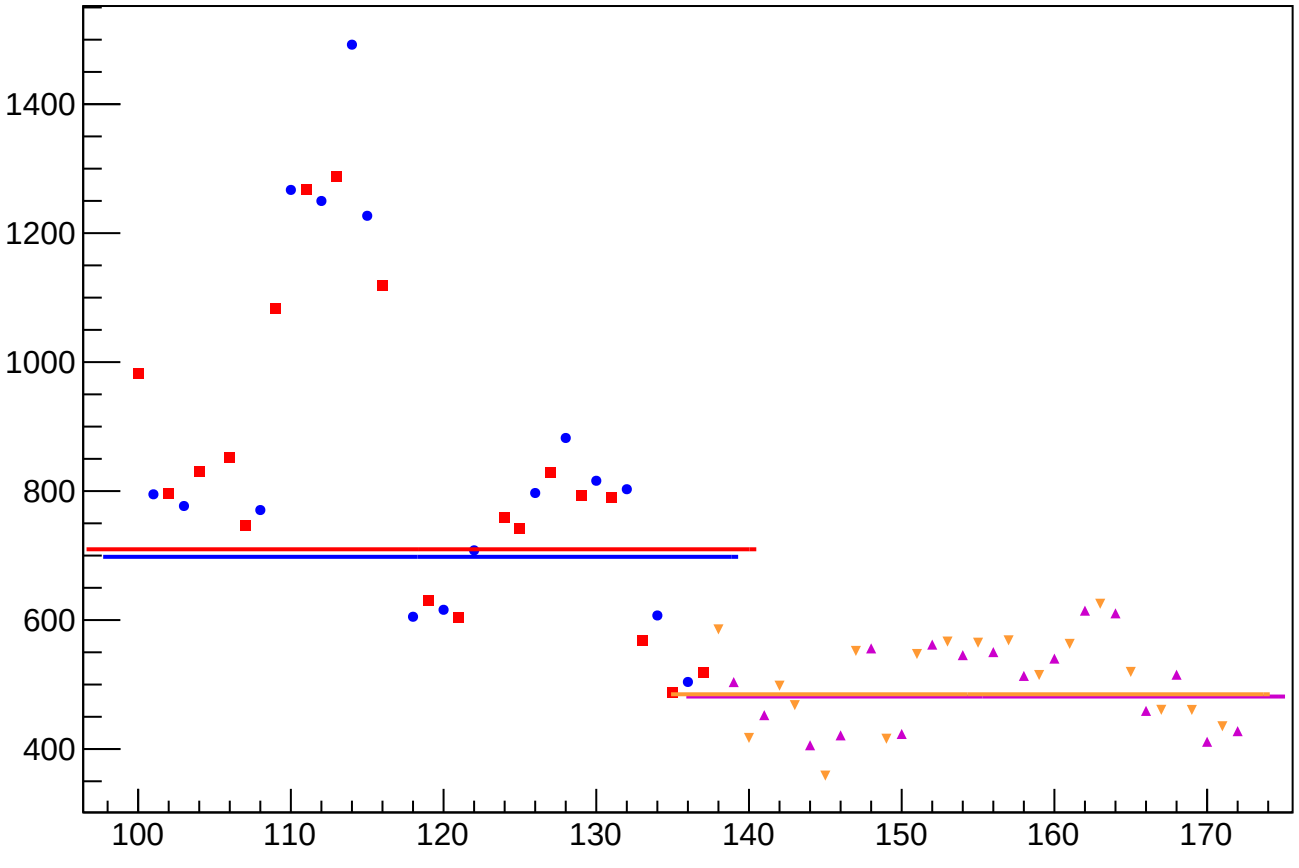
Left: 215.462+/-92.186 χ^2/NDF: 58.0/34

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -60.053+/-117.198 χ^2/NDF:36.1/32

Out: 323.605+/-117.557 χ^2/NDF:48.3/36

All: 131.189+/-82.998 χ^2/NDF: 89.7/69



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 484.906+/-0.092 χ^2/NDF:642261.2/17

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 481.398+/-0.092 χ^2/NDF:493833.5/16

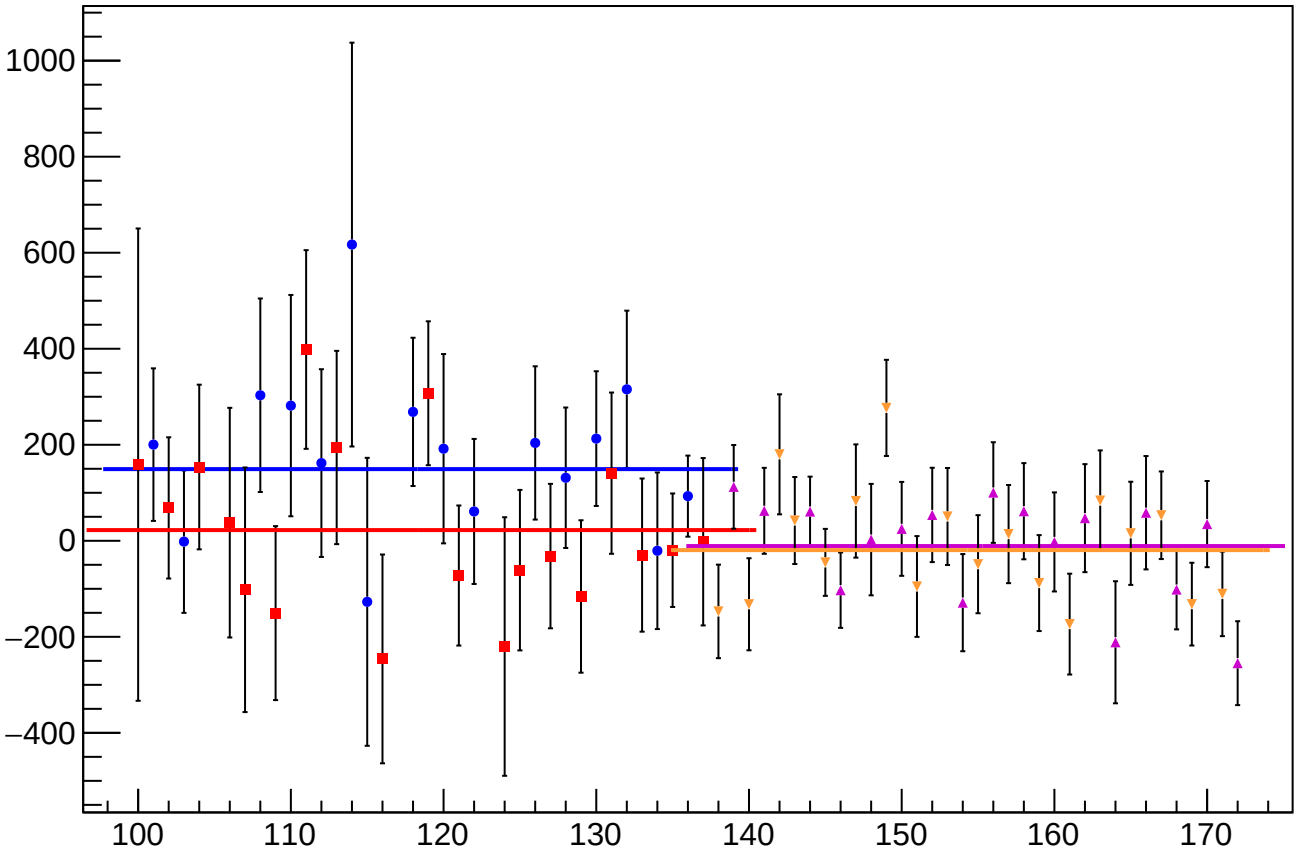
Left: 483.149+/-0.065 χ^2/NDF: 1136818.7/34

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 522.643+/-0.083 χ^2/NDF:2460141.9/32

Out: 527.267+/-0.083 χ^2/NDF:2788079.8/36

All: 524.948+/-0.059 χ^2/NDF: 5249773.7/69


eigen_cor_asym_sam_26_48_dd_mean vs Slug, Sign Corrected
1000
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200
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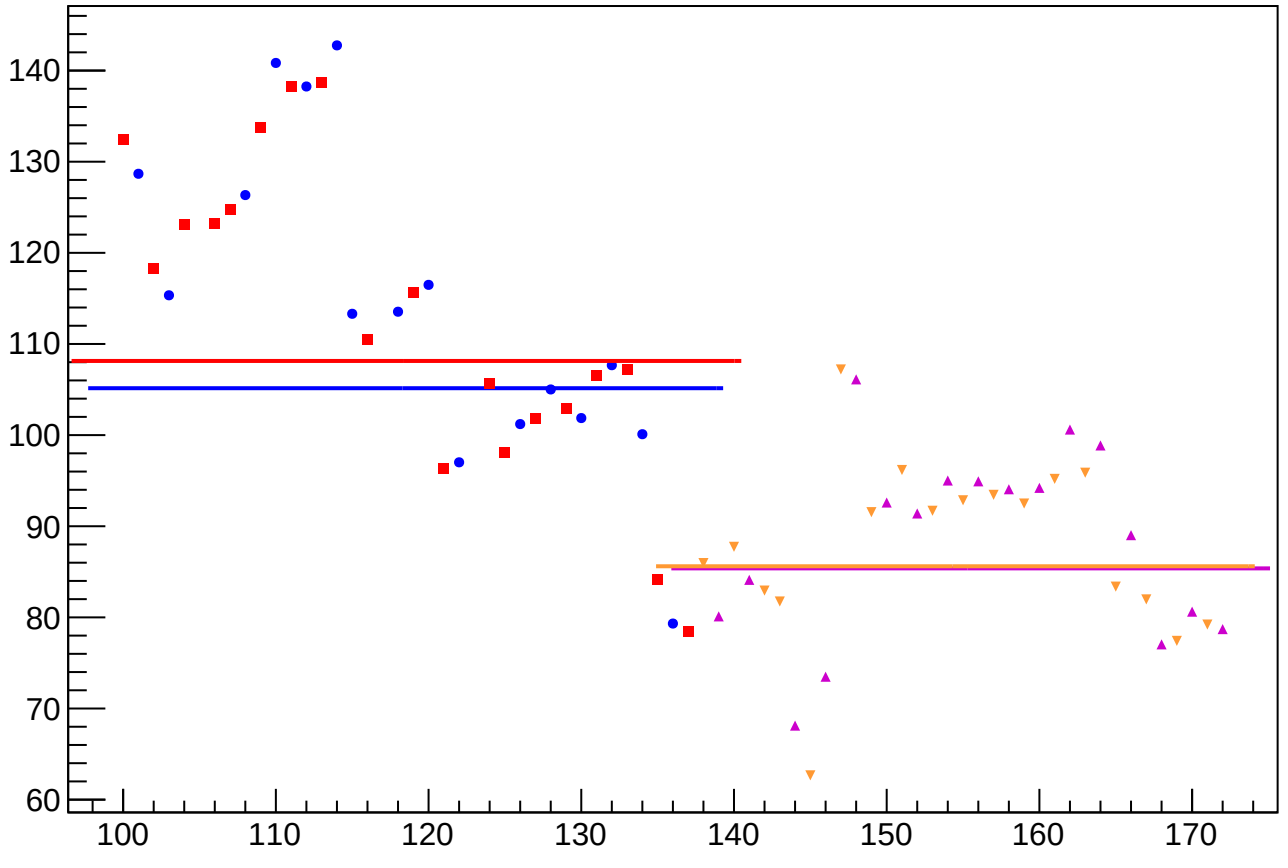
−200
−400
100
110
120
130
140
150
160
170
Right In: 149.294+/-39.687 χ²/NDF: 8.0/15
Left Out: -19.399+/-22.880 χ²/NDF:24.1/17
Right Out: 22.297+/-40.123 χ²/NDF: 14.2/18
Left In: -10.960+/-23.023 χ²/NDF:21.0/16
Left: -15.206+/-16.229 χ²/NDF: 45.1/34
Right: 86.488+/-28.216 χ²/NDF: 27.3/34
In: 29.393+/-19.915 χ²/NDF:41.2/32
Out: -9.167+/-19.875 χ²/NDF:39.1/36
All: 10.074+/-14.068 χ²/NDF: 82.2/69



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.608+/-0.016 χ^2/NDF:423382.1/17

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: 85.493+/-0.011 χ^2/NDF: 835304.6/34

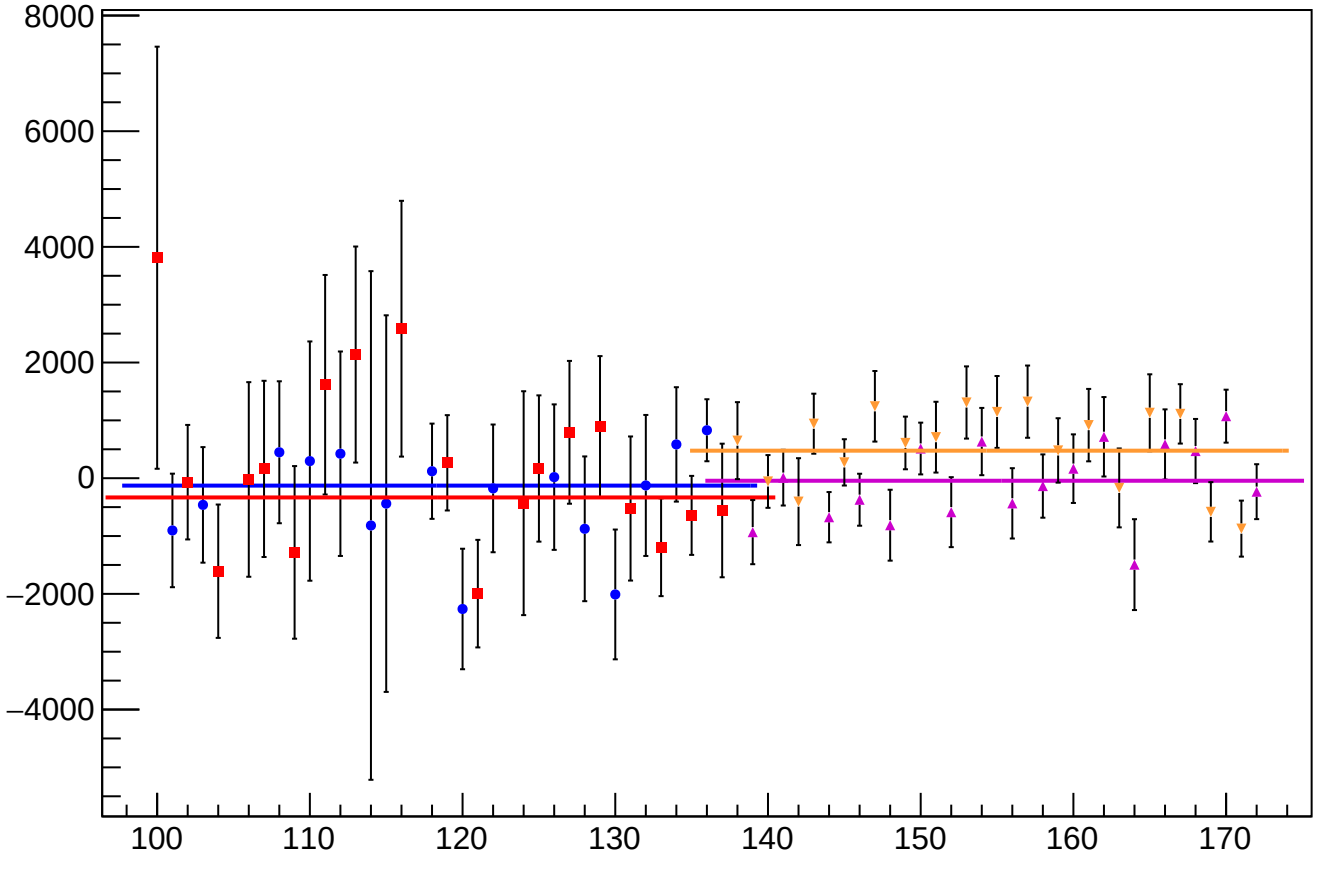
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 90.354+/-0.014 χ^2/NDF:1191576.8/32

Out: 91.136+/-0.014 χ^2/NDF:1245522.7/36

All: 90.746+/-0.010 χ^2/NDF: 2438645.2/69

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: 475.951+/-130.491 χ^2/NDF:26.4/17

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -44.066+/-130.250 χ^2/NDF:23.7/16

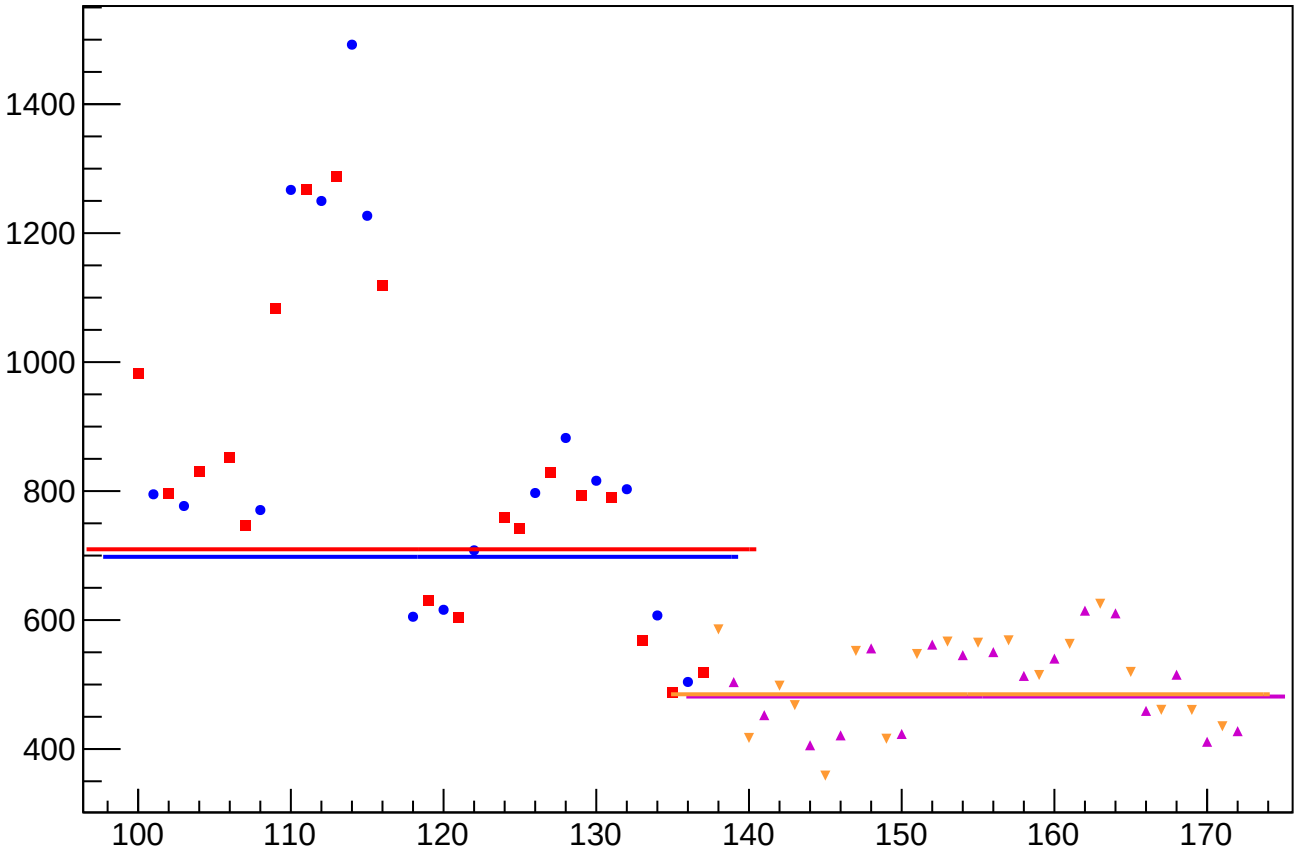
Left: 215.462+/-92.186 χ^2/NDF: 58.0/34

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -60.053+/-117.198 χ^2/NDF:36.1/32

Out: 323.605+/-117.557 χ^2/NDF:48.3/36

All: 131.189+/-82.998 χ^2/NDF: 89.7/69



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 484.906+/-0.092 χ^2/NDF:642261.2/17

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 481.398+/-0.092 χ^2/NDF:493833.5/16

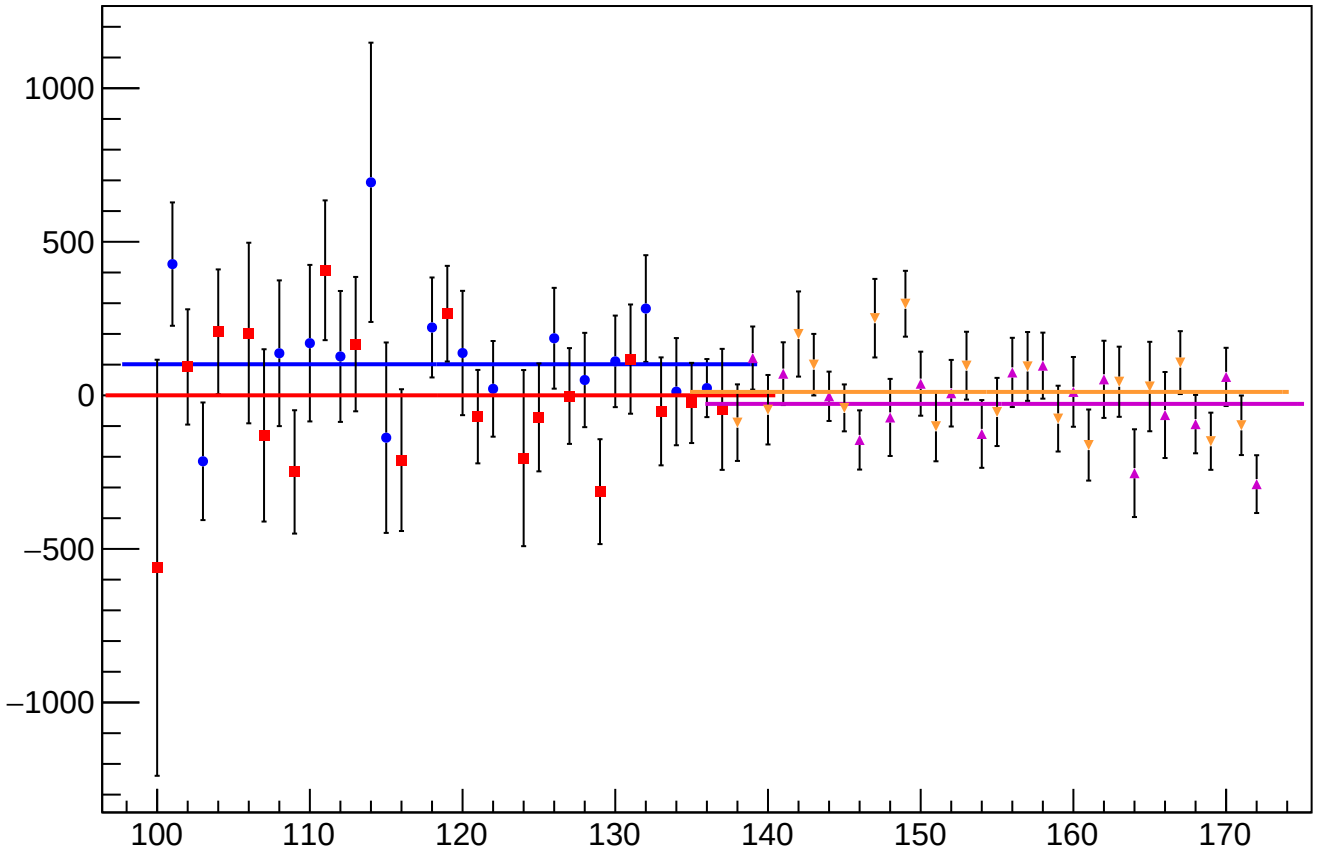
Left: 483.149+/-0.065 χ^2/NDF: 1136818.7/34

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 522.643+/-0.083 χ^2/NDF:2460141.9/32

Out: 527.267+/-0.083 χ^2/NDF:2788079.8/36

All: 524.948+/-0.059 χ^2/NDF: 5249773.7/69



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 11.207+/-25.513 χ^2/NDF:25.2/17

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: -8.167+/-18.098 χ^2/NDF: 46.7/34

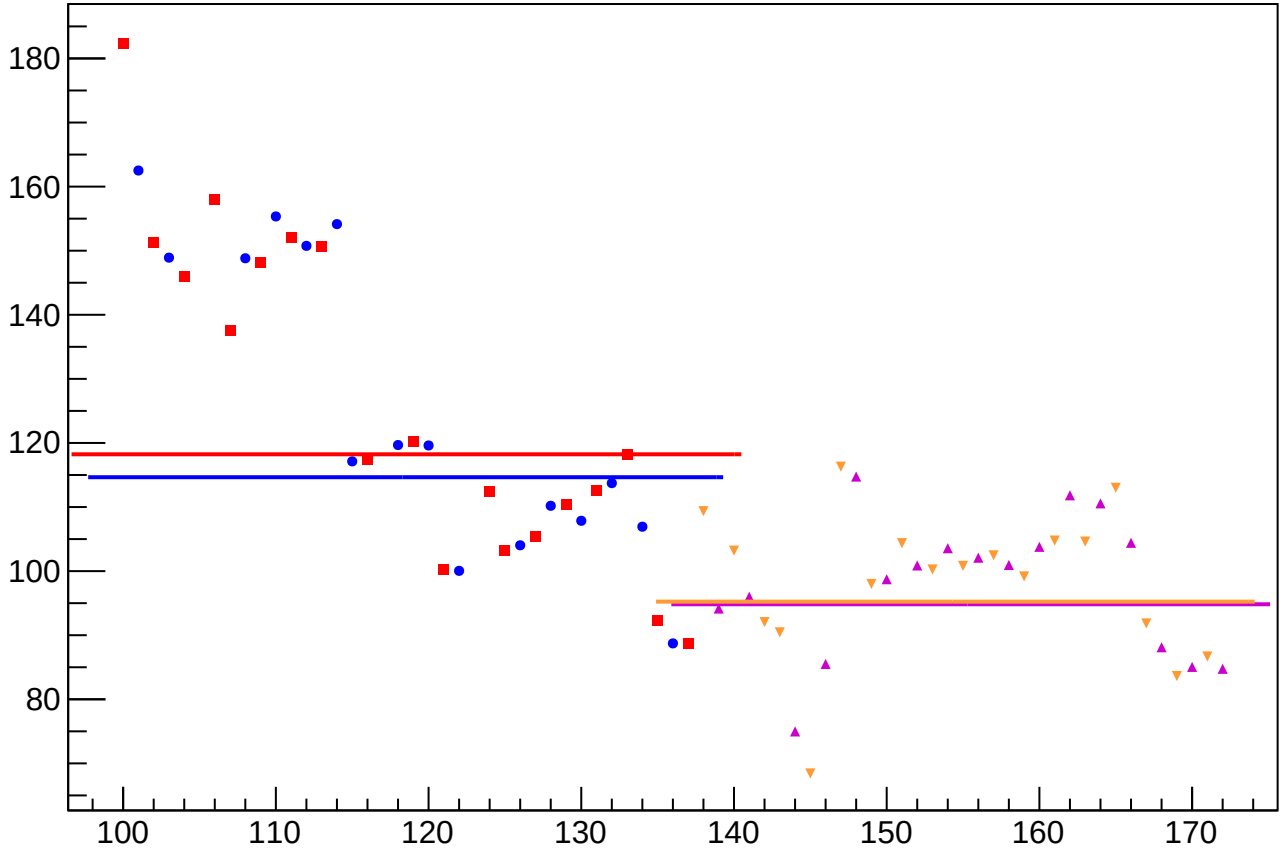
Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 5.550+/-22.114 χ^2/NDF:37.9/32

Out: 8.422+/-22.075 χ^2/NDF:41.9/36

All: 6.988+/-15.623 χ^2/NDF: 79.8/69

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 95.238+/-0.018 χ^2/NDF:481838.5/17

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: 95.035+/-0.013 χ^2/NDF: 846834.5/34

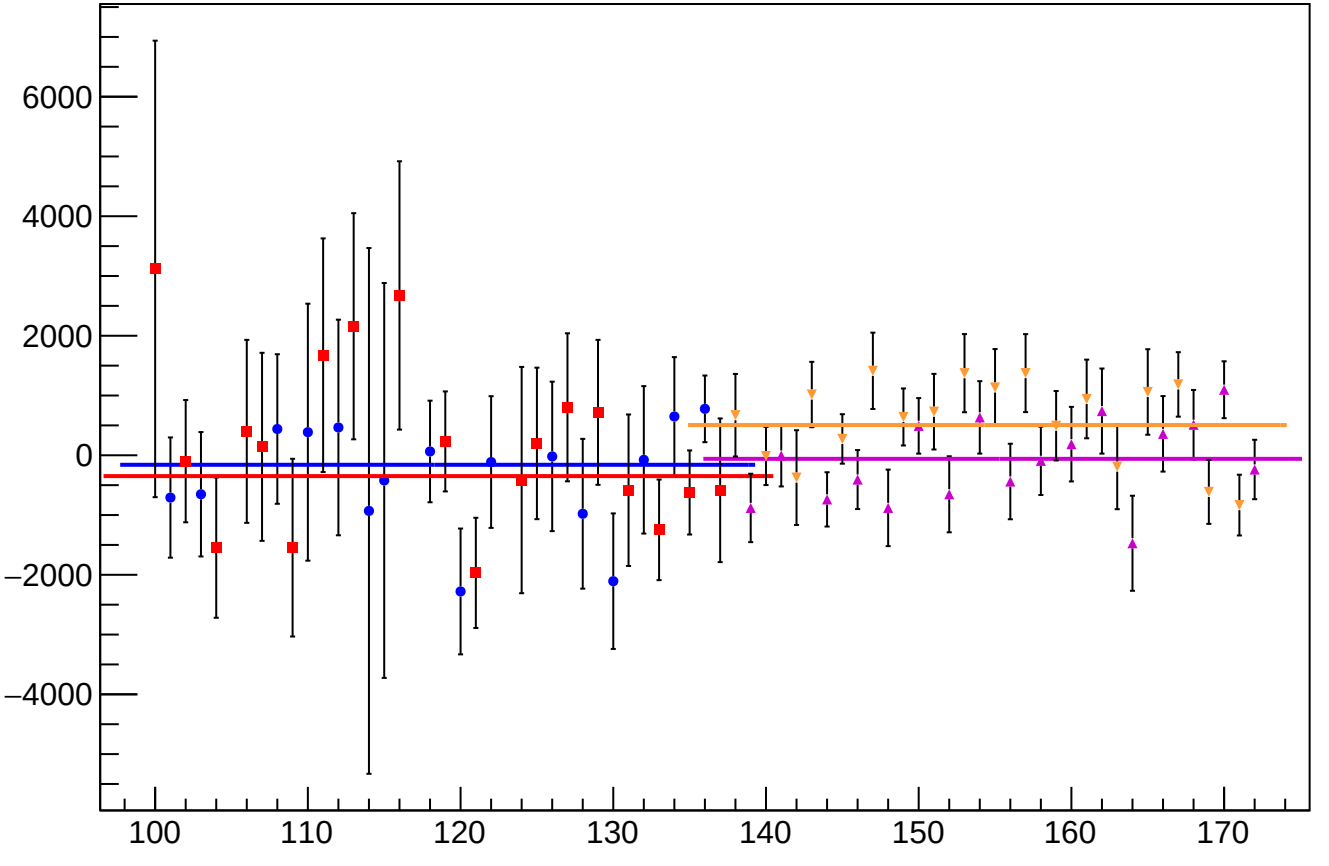
Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 99.950+/-0.016 χ^2/NDF:1204712.4/32

Out: 101.017+/-0.016 χ^2/NDF:1373467.1/36

All: 100.484+/-0.011 χ^2/NDF: 2580510.2/69

asym_sam_26_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 505.877+/-136.650 χ^2/NDF:25.2/17

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: 222.944+/-96.590 χ^2/NDF: 56.2/34

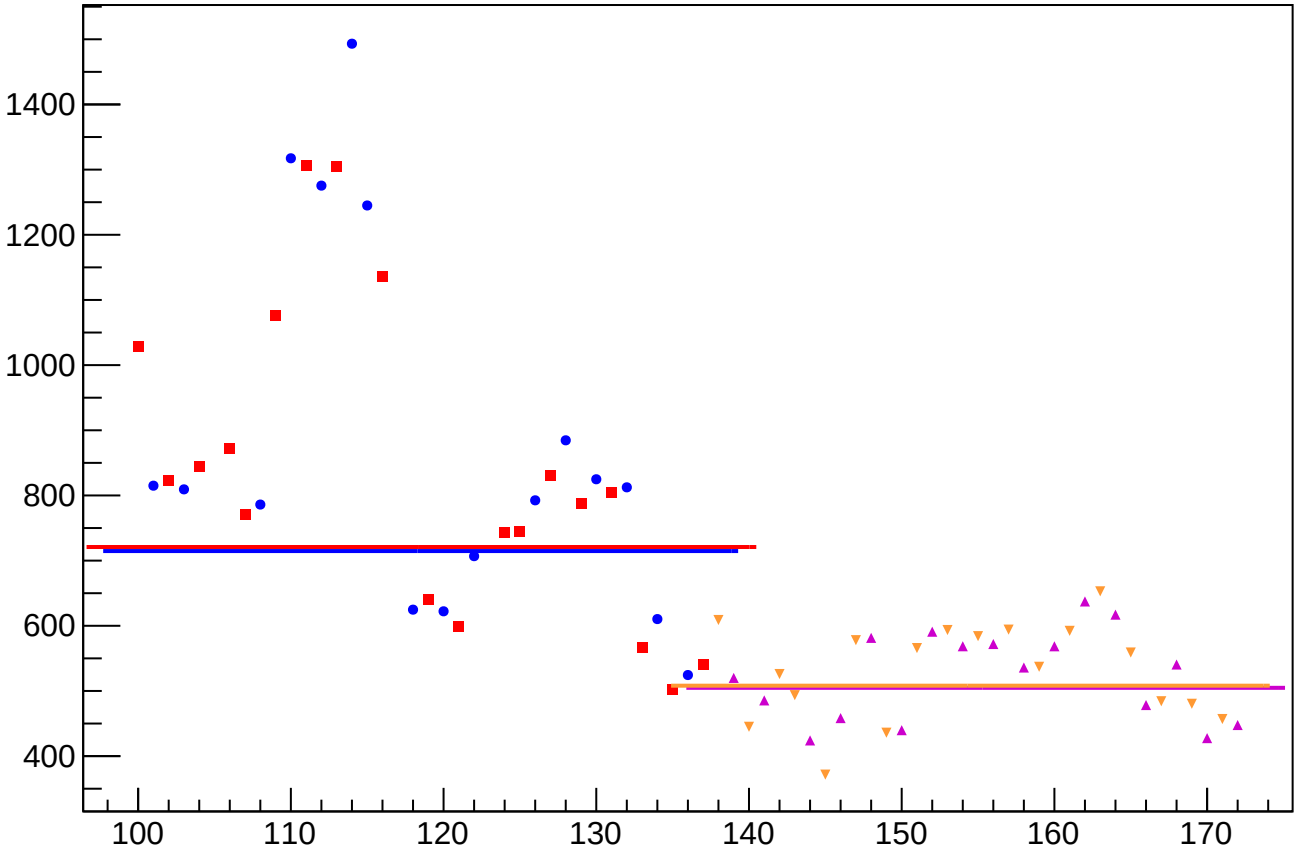
Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -79.308+/-122.263 χ^2/NDF:34.5/32

Out: 335.290+/-122.250 χ^2/NDF:47.3/36

All: 128.013+/-86.448 χ^2/NDF: 87.6/69

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: 508.091+/-0.097 χ^2/NDF:639382.0/17

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 504.802+/-0.097 χ^2/NDF:460453.2/16

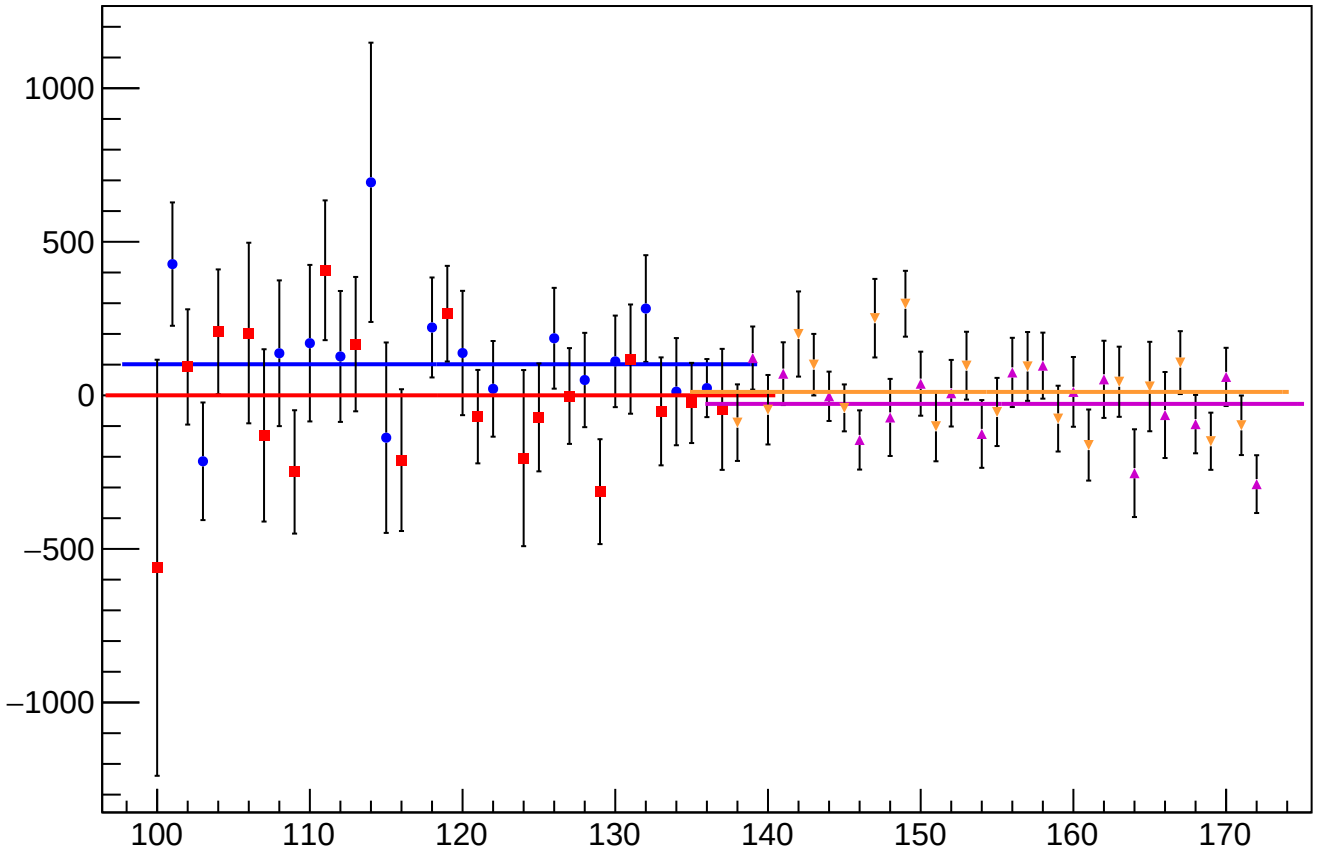
Left: 506.445+/-0.068 χ^2/NDF: 1100414.9/34

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 546.418+/-0.086 χ^2/NDF:2273481.8/32

Out: 550.576+/-0.086 χ^2/NDF:2626111.1/36

All: 548.497+/-0.061 χ^2/NDF: 4900750.0/69



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 11.205+/-25.513 χ^2/NDF:25.2/17

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: -8.168+/-18.098 χ^2/NDF: 46.7/34

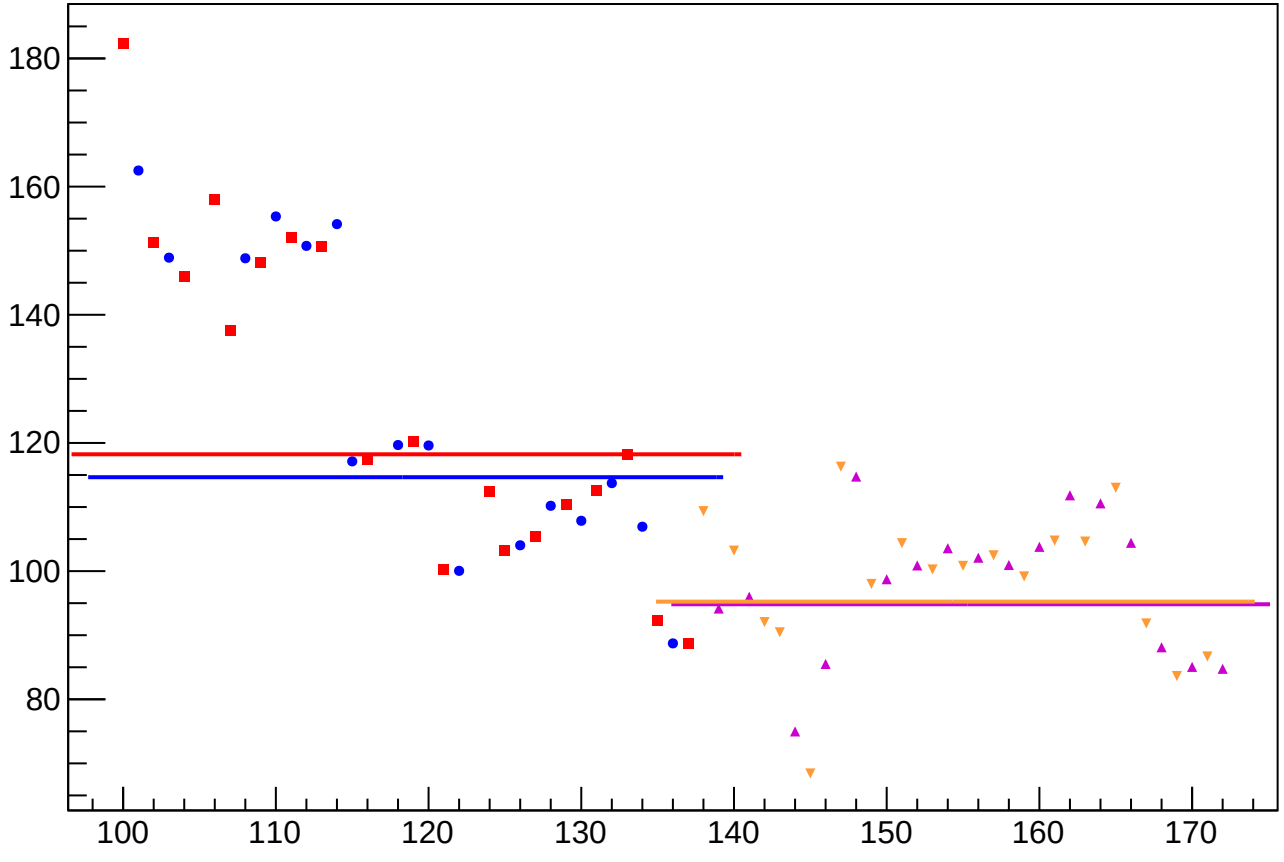
Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 5.549+/-22.114 χ^2/NDF:37.9/32

Out: 8.420+/-22.075 χ^2/NDF:41.9/36

All: 6.987+/-15.623 χ^2/NDF: 79.8/69

eigen_dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 95.238+/-0.018 χ^2/NDF:481846.0/17

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: 95.035+/-0.013 χ^2/NDF: 846844.1/34

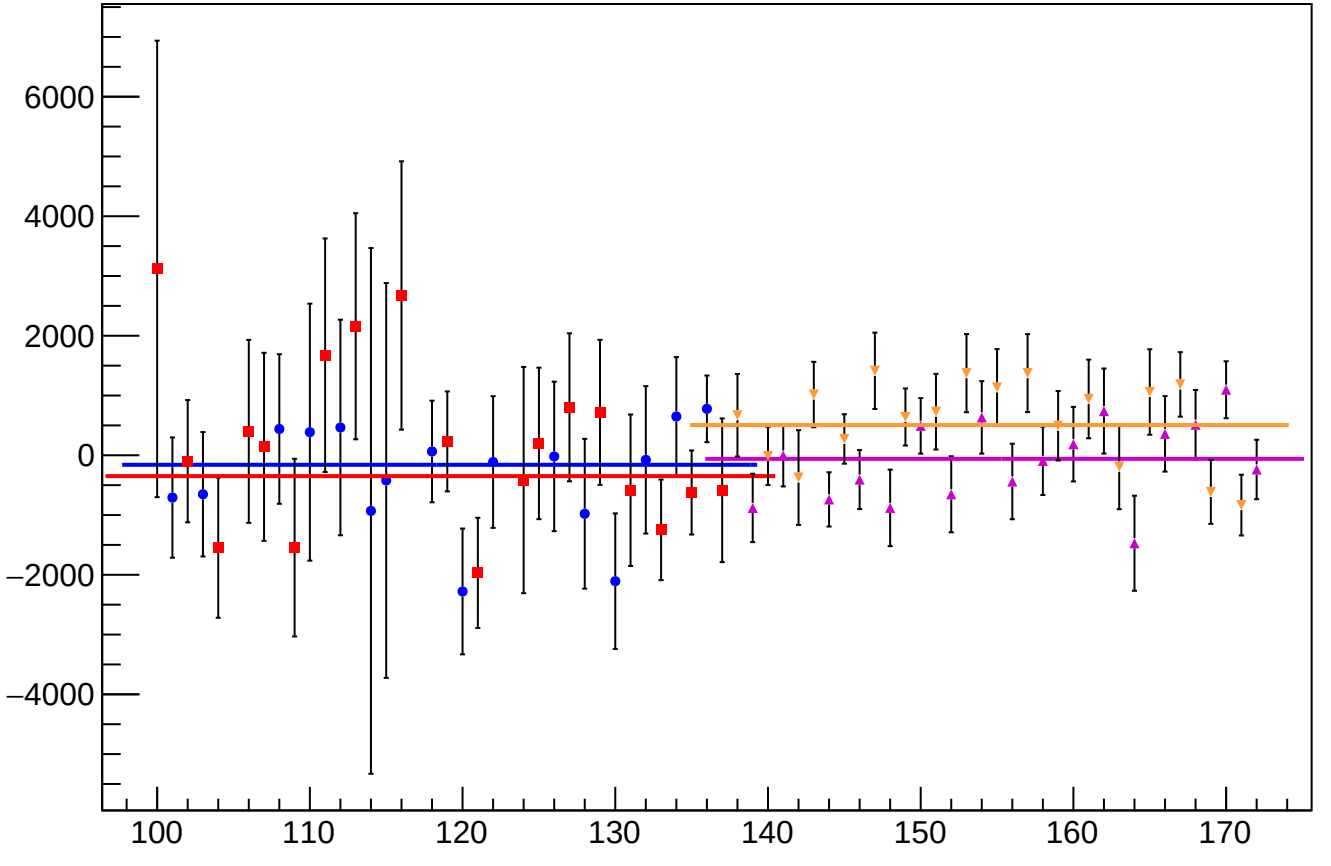
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 99.950+/-0.016 χ^2/NDF:1204705.2/32

Out: 101.017+/-0.016 χ^2/NDF:1373468.0/36

All: 100.484+/-0.011 χ^2/NDF: 2580503.7/69

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: 505.876+/-136.650 χ^2/NDF:25.2/17

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: 222.943+/-96.590 χ^2/NDF: 56.2/34

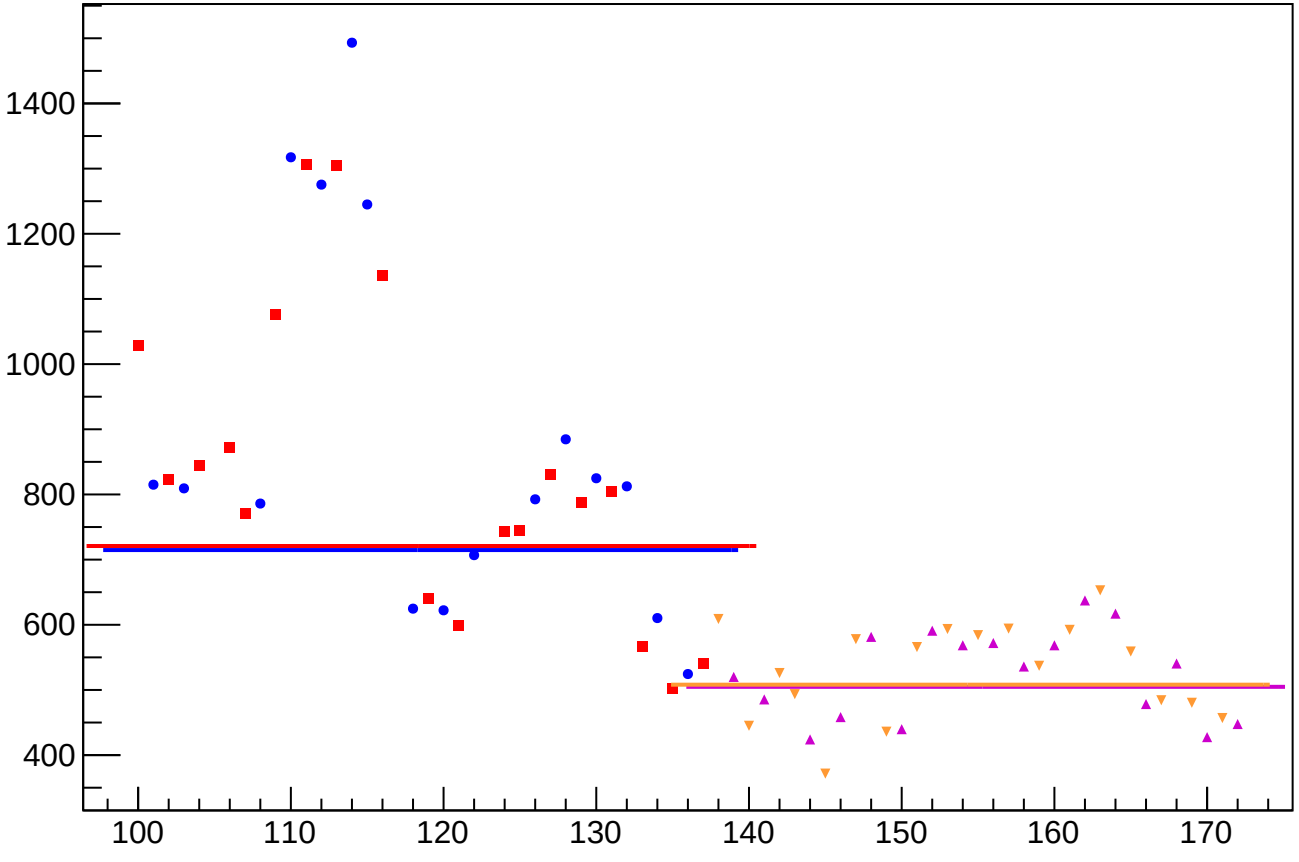
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -79.308+/-122.263 χ^2/NDF:34.5/32

Out: 335.289+/-122.250 χ^2/NDF:47.3/36

All: 128.012+/-86.448 χ^2/NDF: 87.6/69

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: 508.091+/-0.097 χ^2/NDF:639383.9/17

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 504.802+/-0.097 χ^2/NDF:460452.8/16

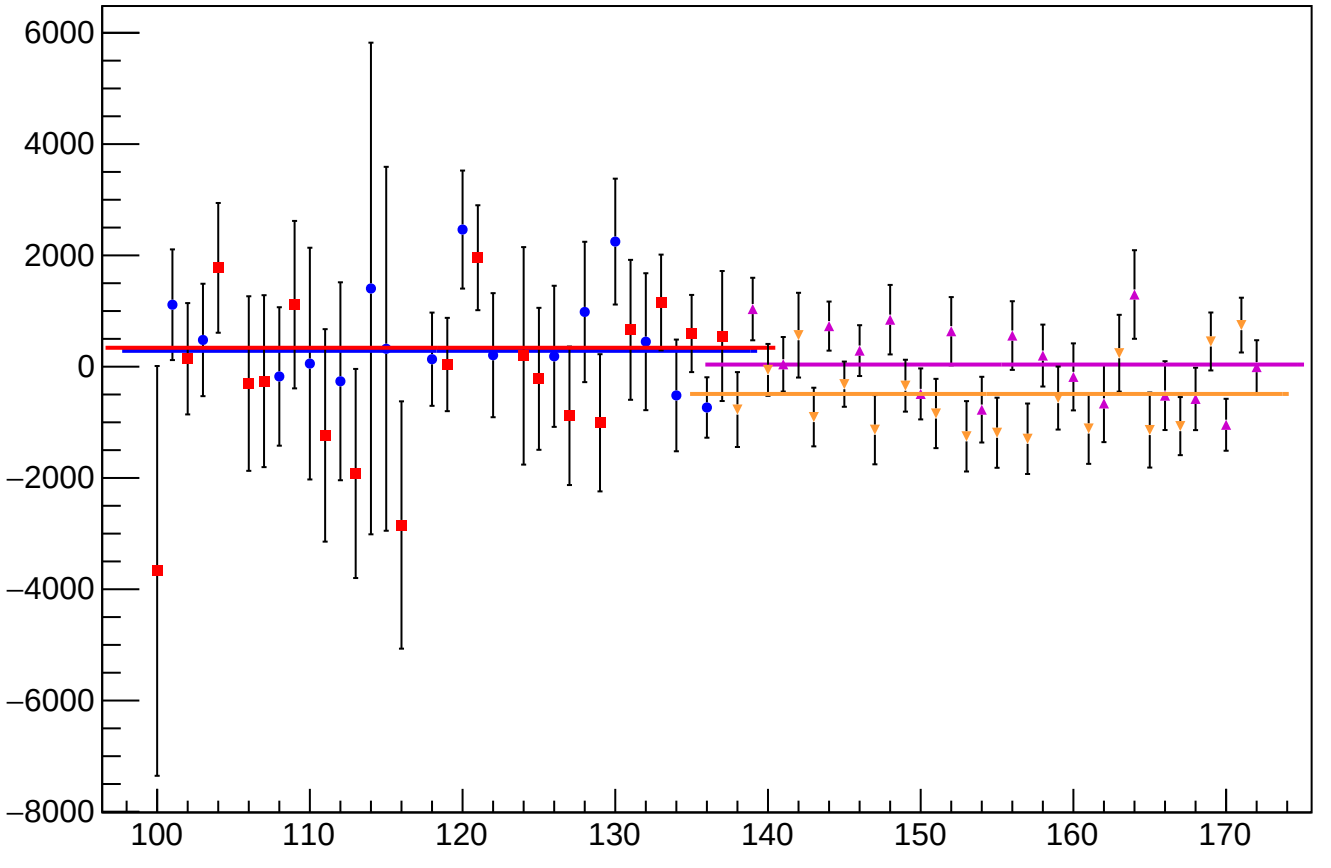
Left: 506.445+/-0.068 χ^2/NDF: 1100416.4/34

Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 546.418+/-0.086 χ^2/NDF:2273476.2/32

Out: 550.576+/-0.086 χ^2/NDF:2626105.2/36

All: 548.497+/-0.061 χ^2/NDF: 4900738.4/69



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -489.909+/-132.624 χ^2/NDF:23.4/17

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: -225.390+/-93.697 χ^2/NDF: 54.9/34

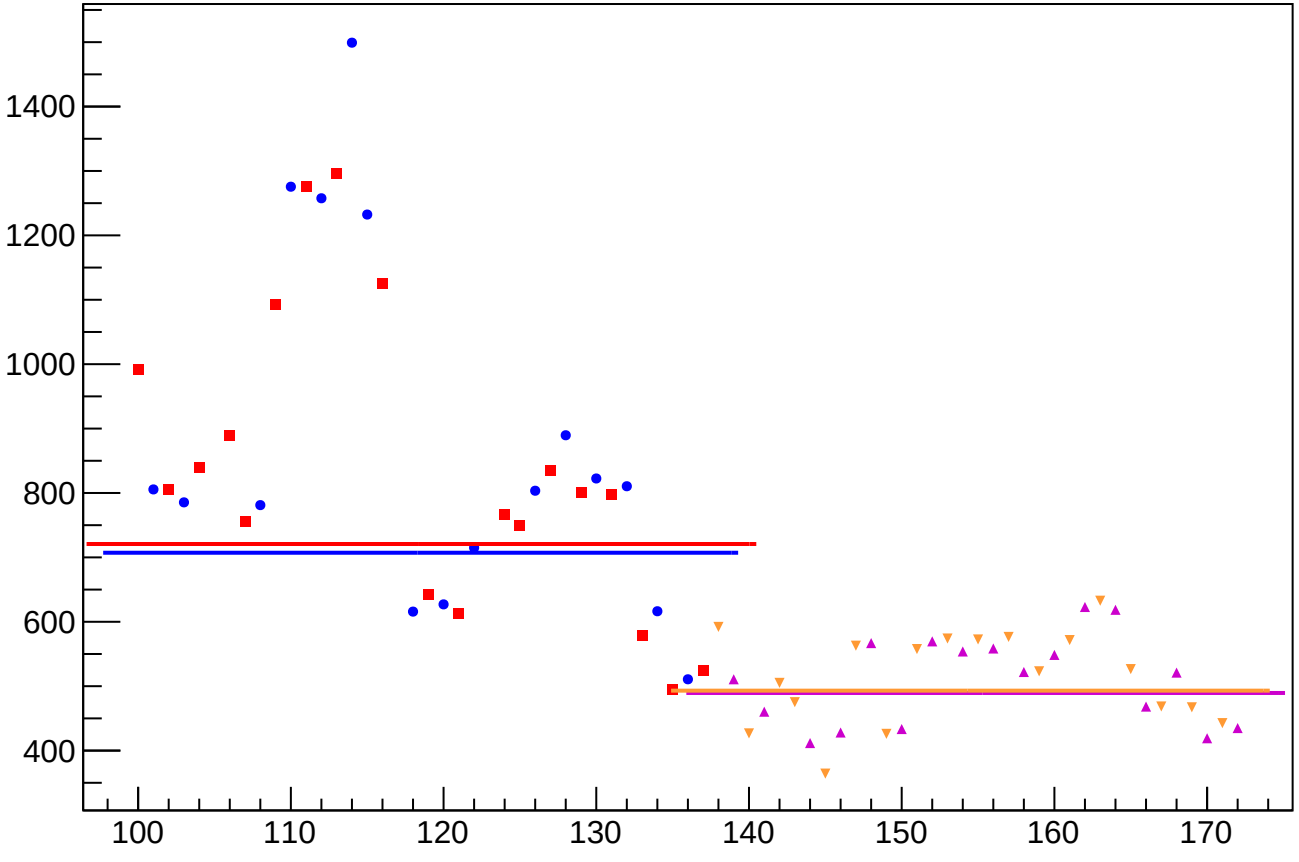
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 85.447+/-119.035 χ^2/NDF:37.1/32

Out: -332.005+/-119.343 χ^2/NDF:44.9/36

All: -122.741+/-84.279 χ^2/NDF: 88.1/69

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 493.065+/-0.094 χ^2/NDF:628410.3/17

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 489.474+/-0.094 χ^2/NDF:483801.8/16

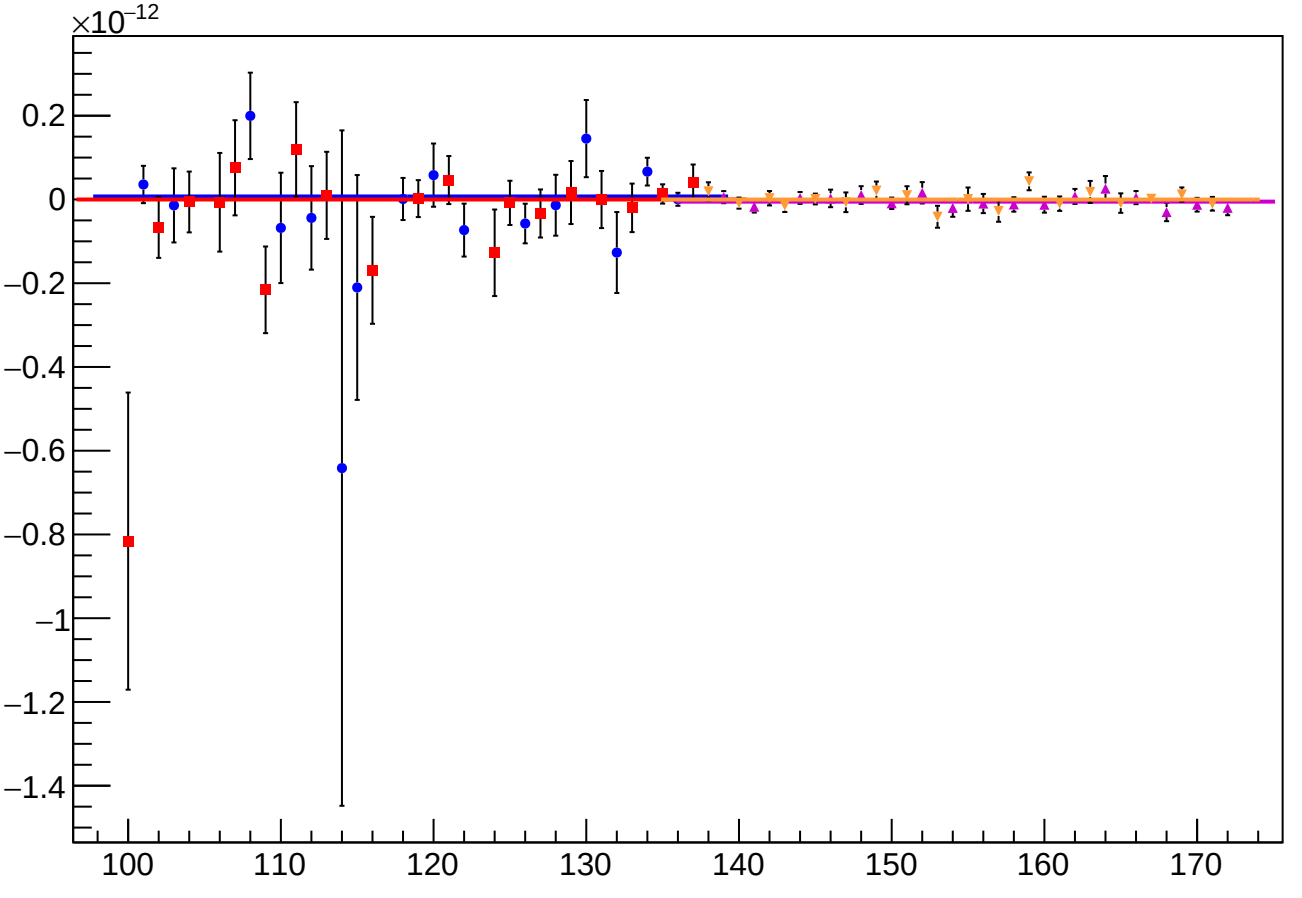
Left: 491.267+/-0.066 χ^2/NDF: 1112946.4/34

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 531.192+/-0.084 χ^2/NDF:2416956.2/32

Out: 536.390+/-0.084 χ^2/NDF:2765477.4/36

All: 533.785+/-0.060 χ^2/NDF: 5184335.8/69



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:12.9/17

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/16

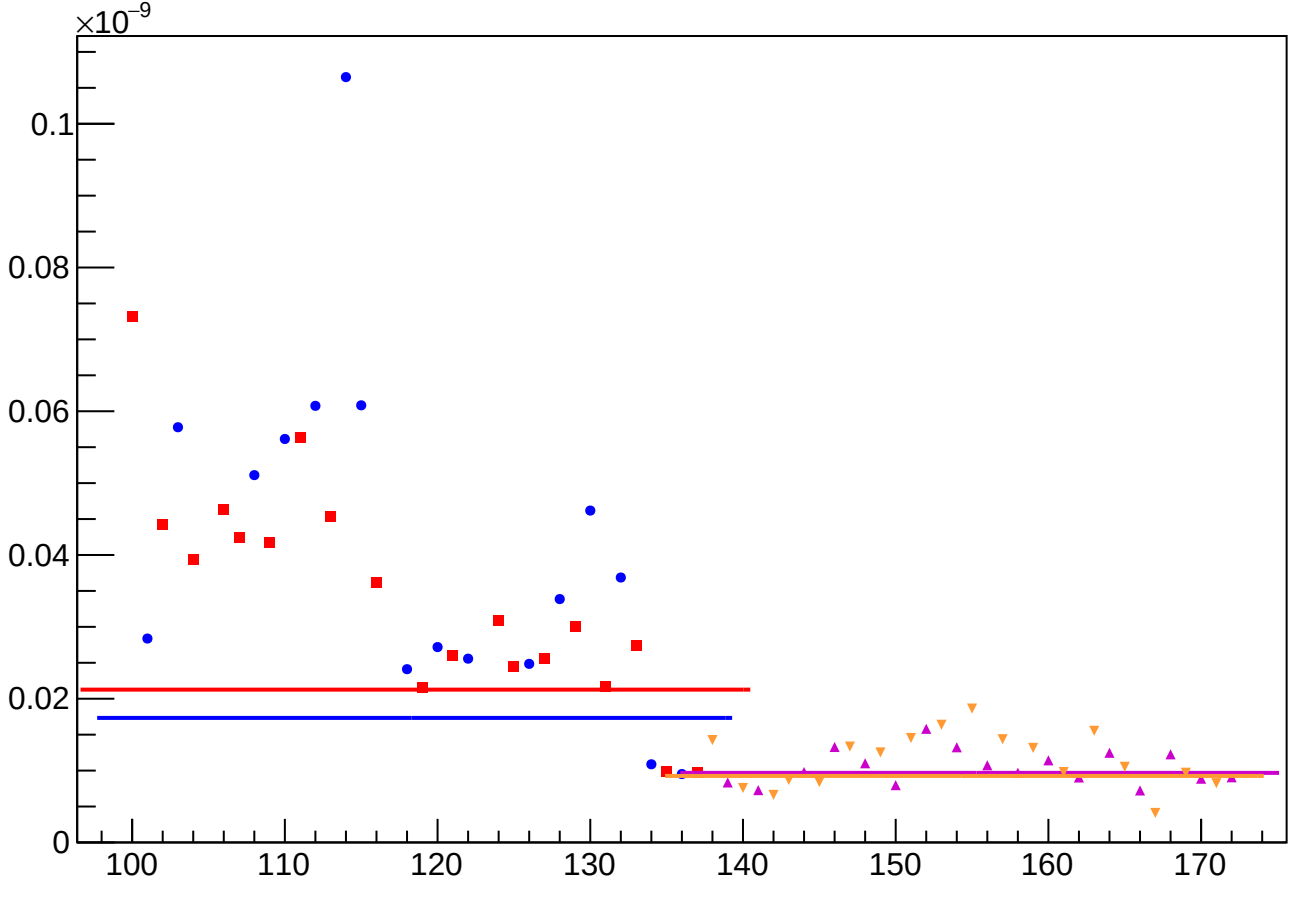
Left: -0.000+/-0.000 χ^2/NDF: 21.7/34

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:30.8/36

All: -0.000+/-0.000 χ^2/NDF: 57.6/69



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1685076.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:470154.0/16

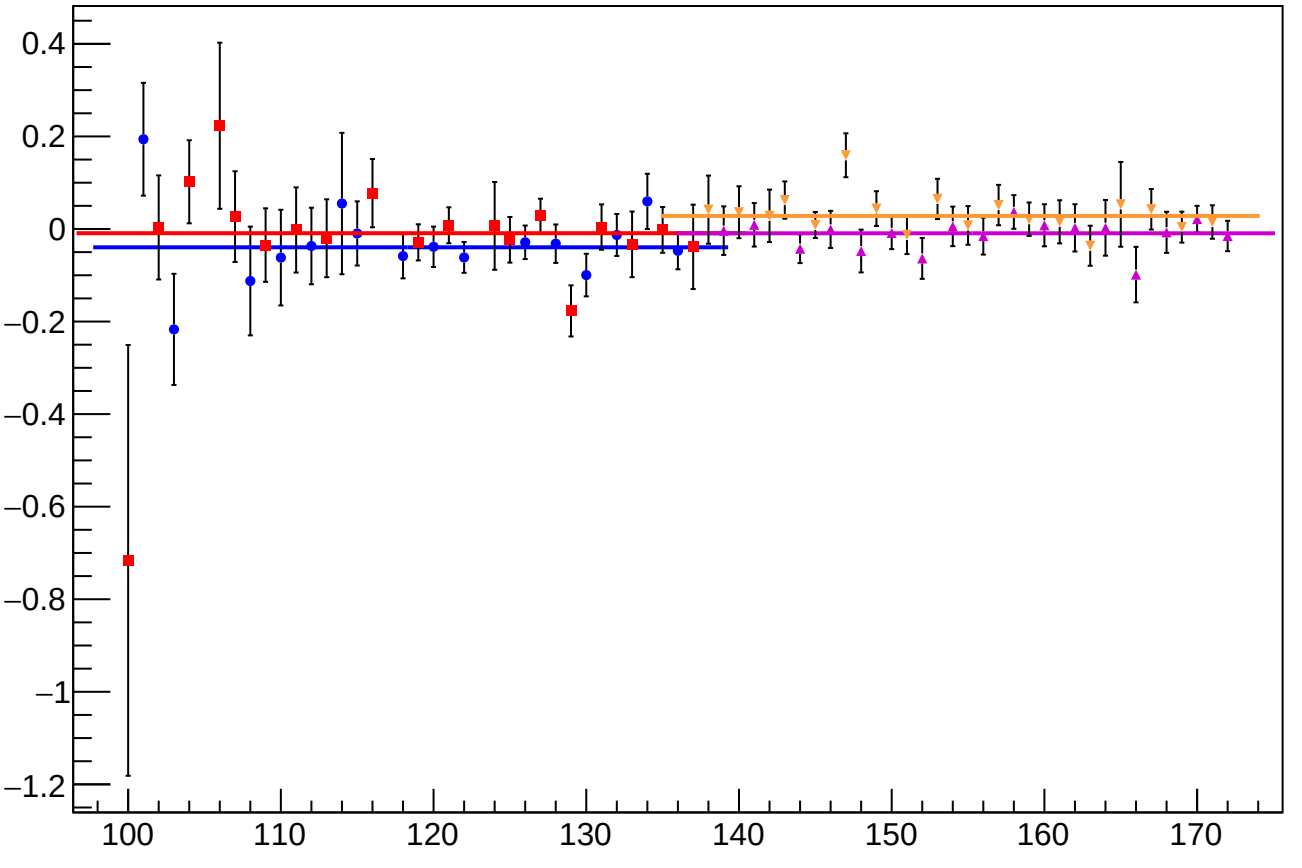
Left: 0.000+/-0.000 χ^2/NDF: 2165448.1/34

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:4824938.5/36

All: 0.000+/-0.000 χ^2/NDF: 8449412.9/69



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.028+/-0.010 χ^2/NDF:14.5/17

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:9.0/16

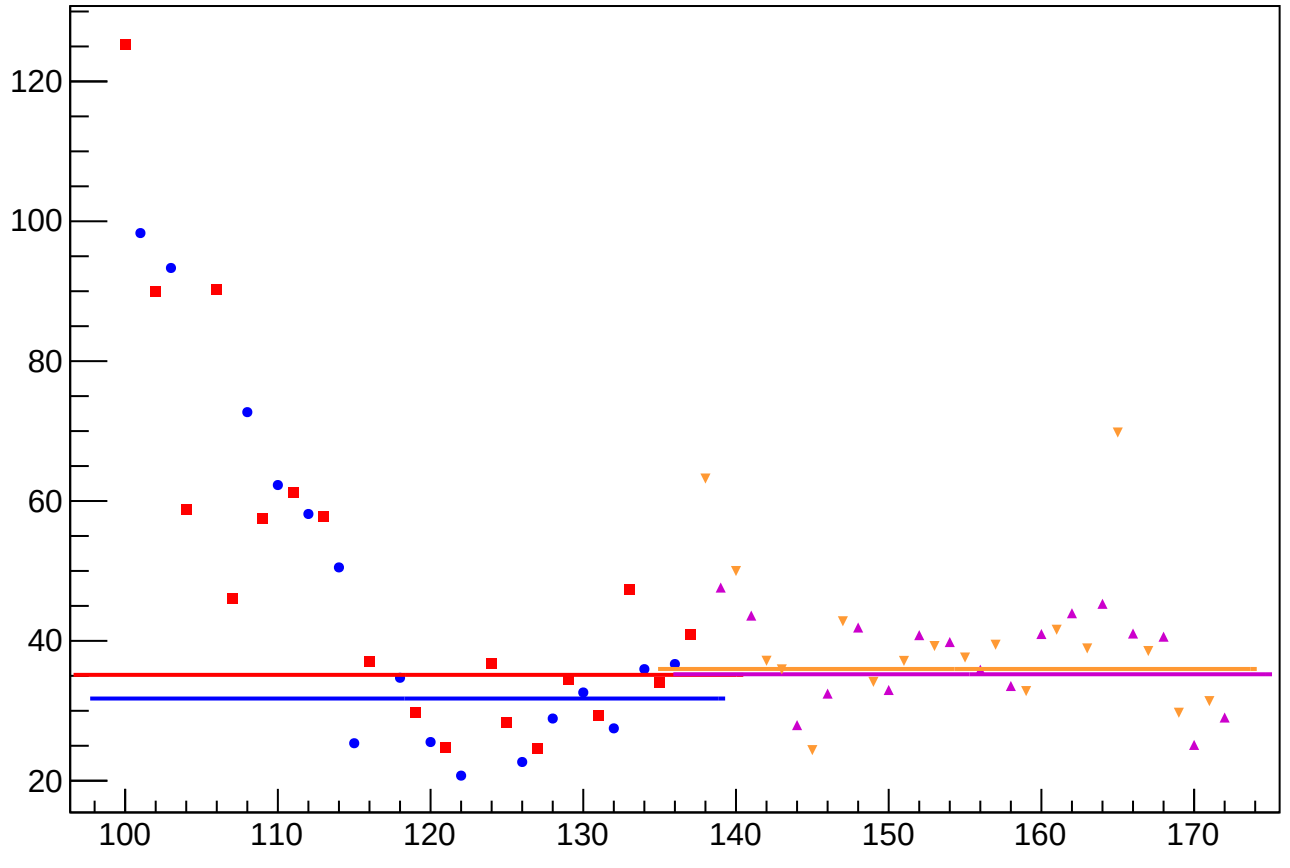
Left: 0.009+/-0.007 χ^2/NDF: 30.6/34

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:24.8/32

Out: 0.016+/-0.008 χ^2/NDF:37.4/36

All: -0.003+/-0.006 χ^2/NDF: 72.3/69



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.985+/-0.007 χ^2/NDF:1249375.6/17

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: 35.601+/-0.005 χ^2/NDF: 2176314.5/34

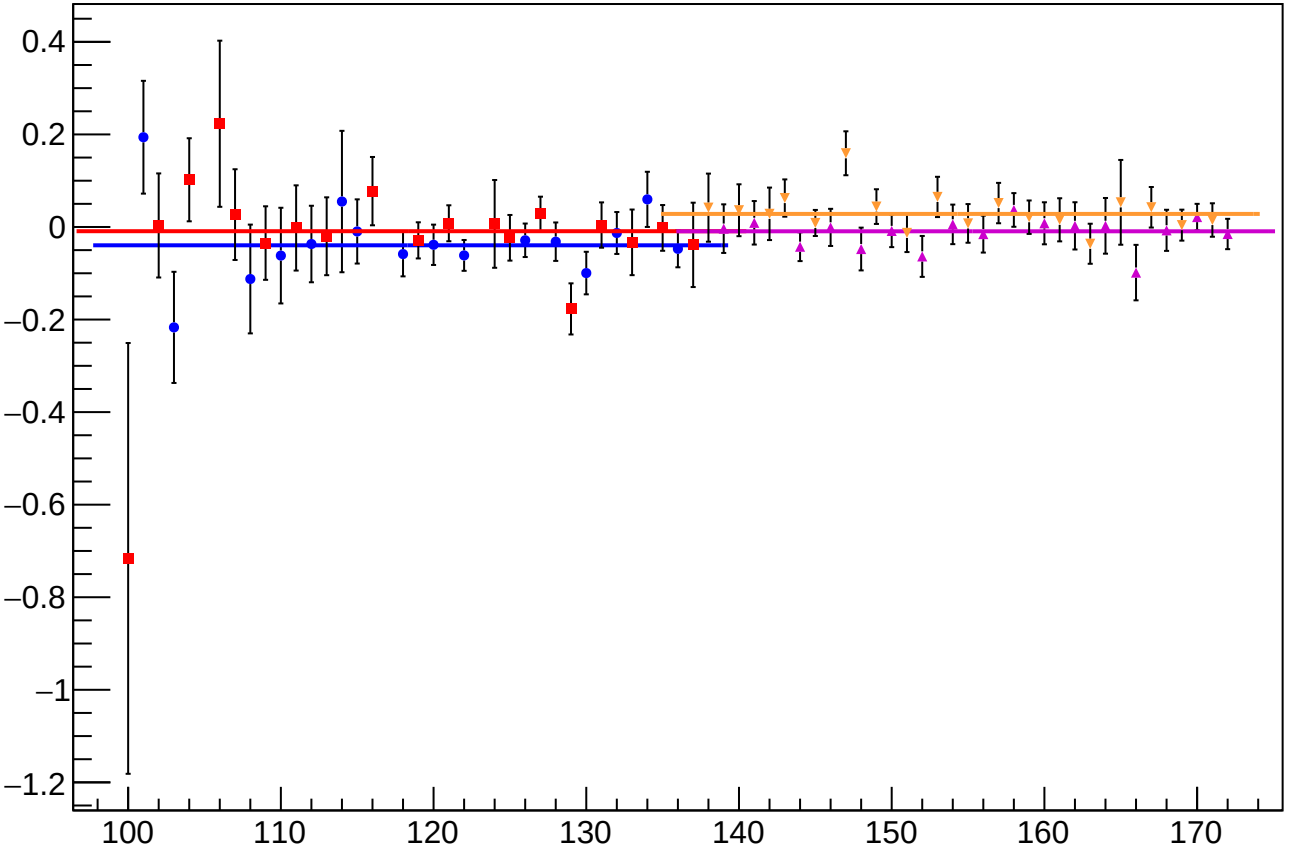
Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 33.978+/-0.006 χ^2/NDF:3262426.8/32

Out: 35.706+/-0.006 χ^2/NDF:3098820.0/36

All: 34.815+/-0.004 χ^2/NDF: 6407737.3/69

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.028+/-0.010 χ^2/NDF:14.5/17

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:9.0/16

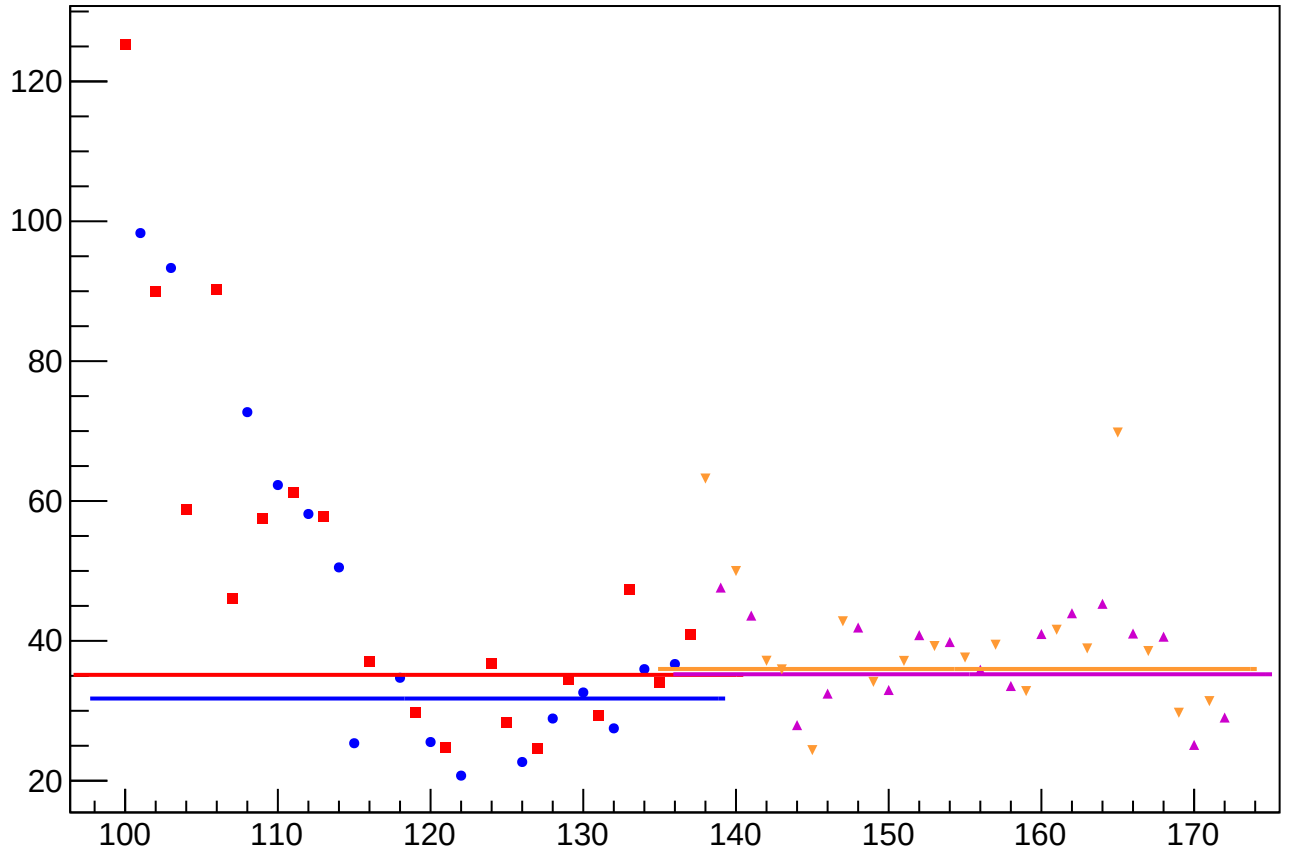
Left: 0.009+/-0.007 χ^2/NDF: 30.6/34

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:24.8/32

Out: 0.016+/-0.008 χ^2/NDF:37.4/36

All: -0.003+/-0.006 χ^2/NDF: 72.3/69



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.985+/-0.007 χ^2/NDF:1249375.6/17

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.224+/-0.007 χ^2/NDF:921041.6/16

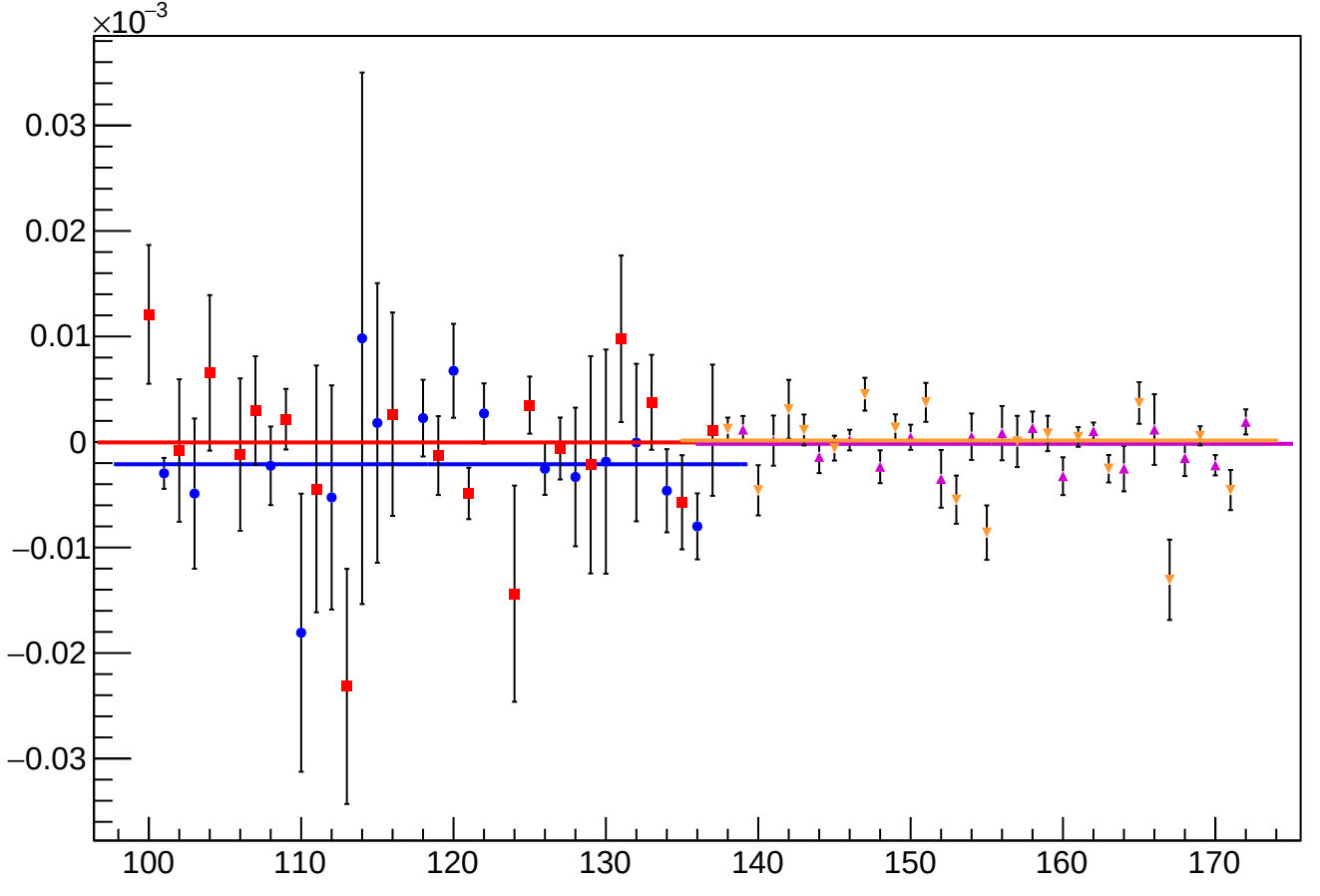
Left: 35.601+/-0.005 χ^2/NDF: 2176314.5/34

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 33.978+/-0.006 χ^2/NDF:3262426.8/32

Out: 35.706+/-0.006 χ^2/NDF:3098820.0/36

All: 34.815+/-0.004 χ^2/NDF: 6407737.3/69



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:63.3/17

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:21.3/16

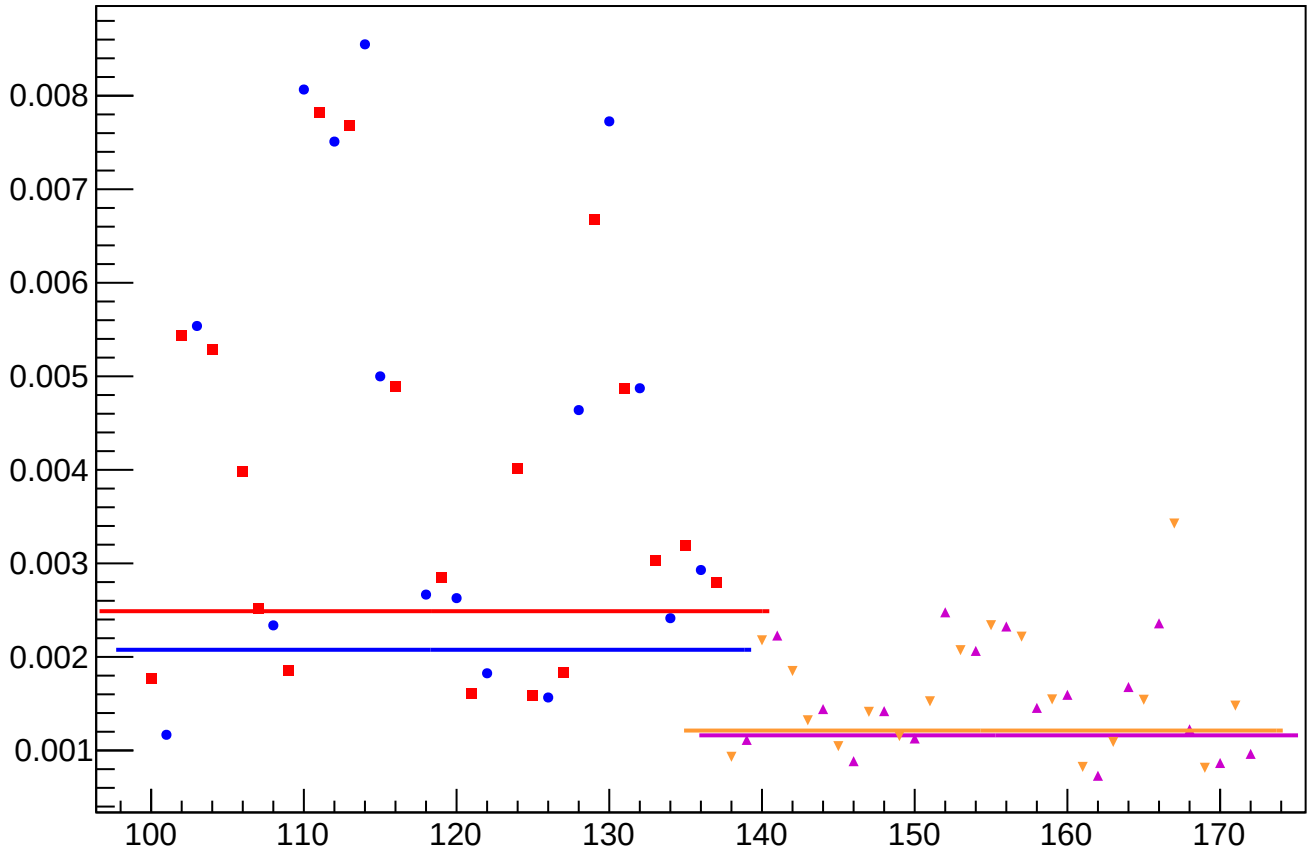
Left: -0.000+/-0.000 χ^2/NDF: 85.0/34

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:84.7/36

All: -0.000+/-0.000 χ^2/NDF: 126.1/69



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:3327148.5/17

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:3261524.2/16

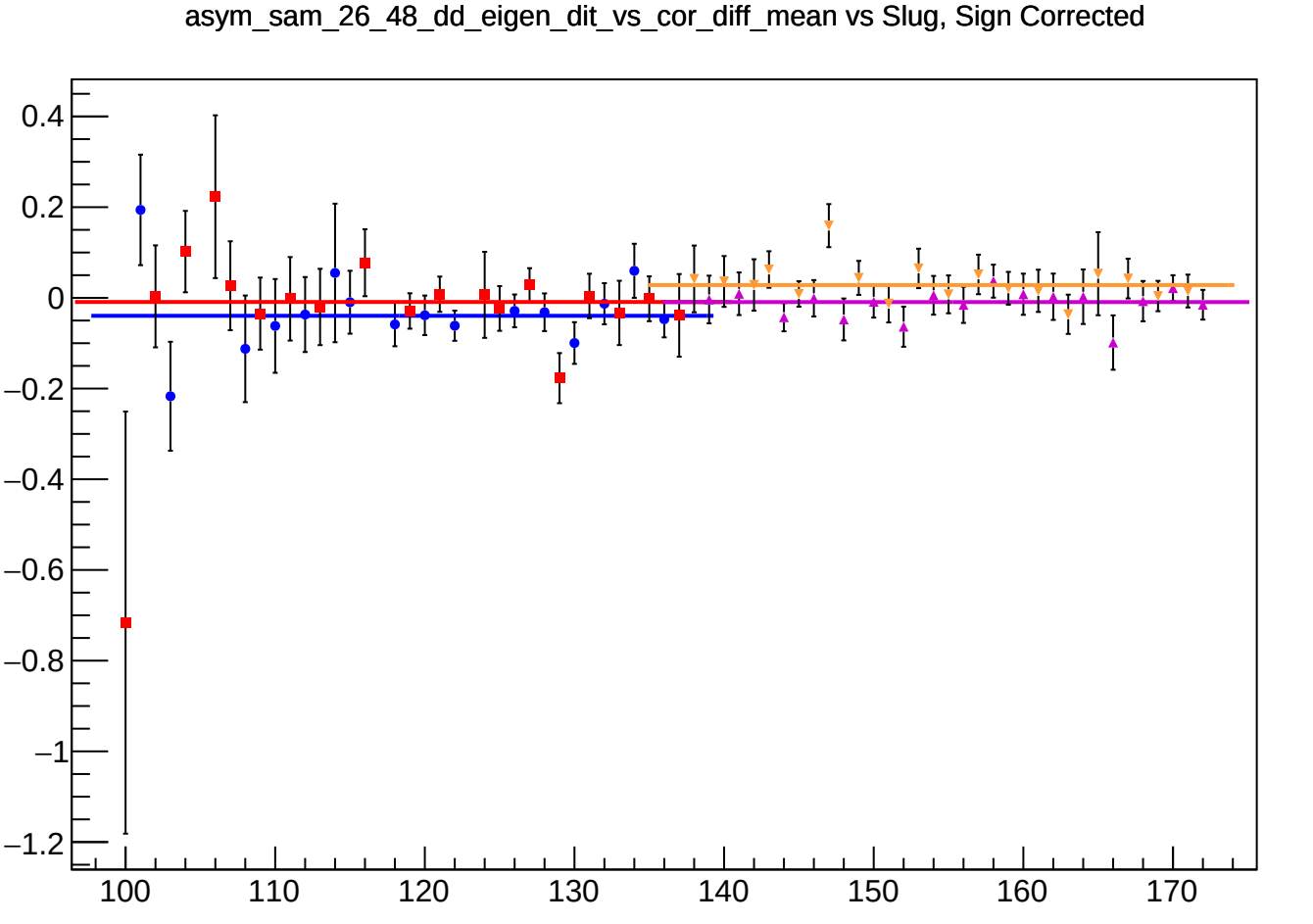
Left: 0.001+/-0.000 χ^2/NDF: 6610574.5/34

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:9113369.0/36

All: 0.001+/-0.000 χ^2/NDF: 18106145.0/69



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.028+/-0.010 χ^2/NDF:14.5/17

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:9.0/16

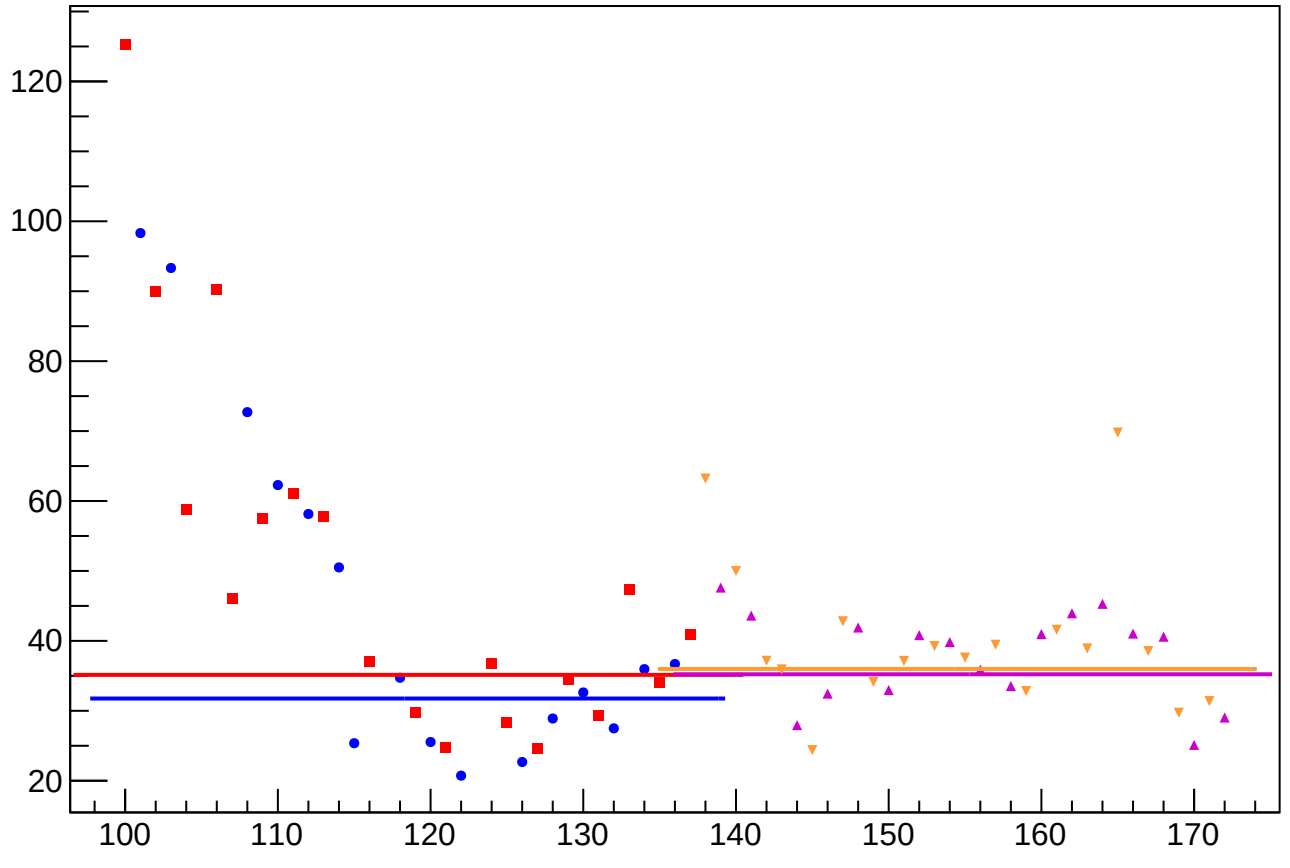
Left: 0.009+/-0.007 χ^2/NDF: 30.6/34

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:24.8/32

Out: 0.016+/-0.008 χ^2/NDF:37.4/36

All: -0.003+/-0.006 χ^2/NDF: 72.3/69



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.985+/-0.007 χ^2/NDF:1249403.9/17

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.224+/-0.007 χ^2/NDF:921057.4/16

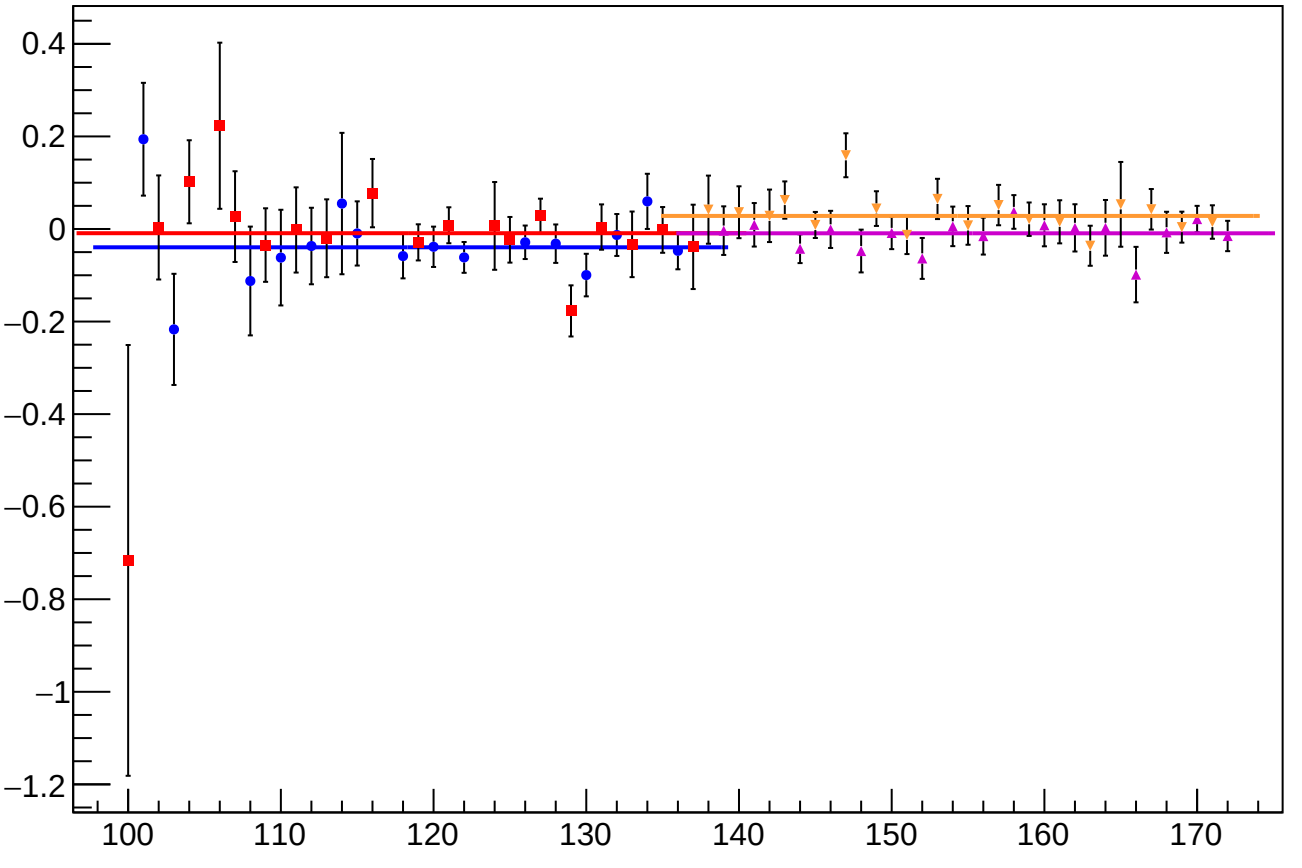
Left: 35.601+/-0.005 χ^2/NDF: 2176359.4/34

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 33.978+/-0.006 χ^2/NDF:3262394.8/32

Out: 35.706+/-0.006 χ^2/NDF:3098739.1/36

All: 34.815+/-0.004 χ^2/NDF: 6407626.4/69



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.028+/-0.010 χ^2/NDF:14.5/17

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:9.0/16

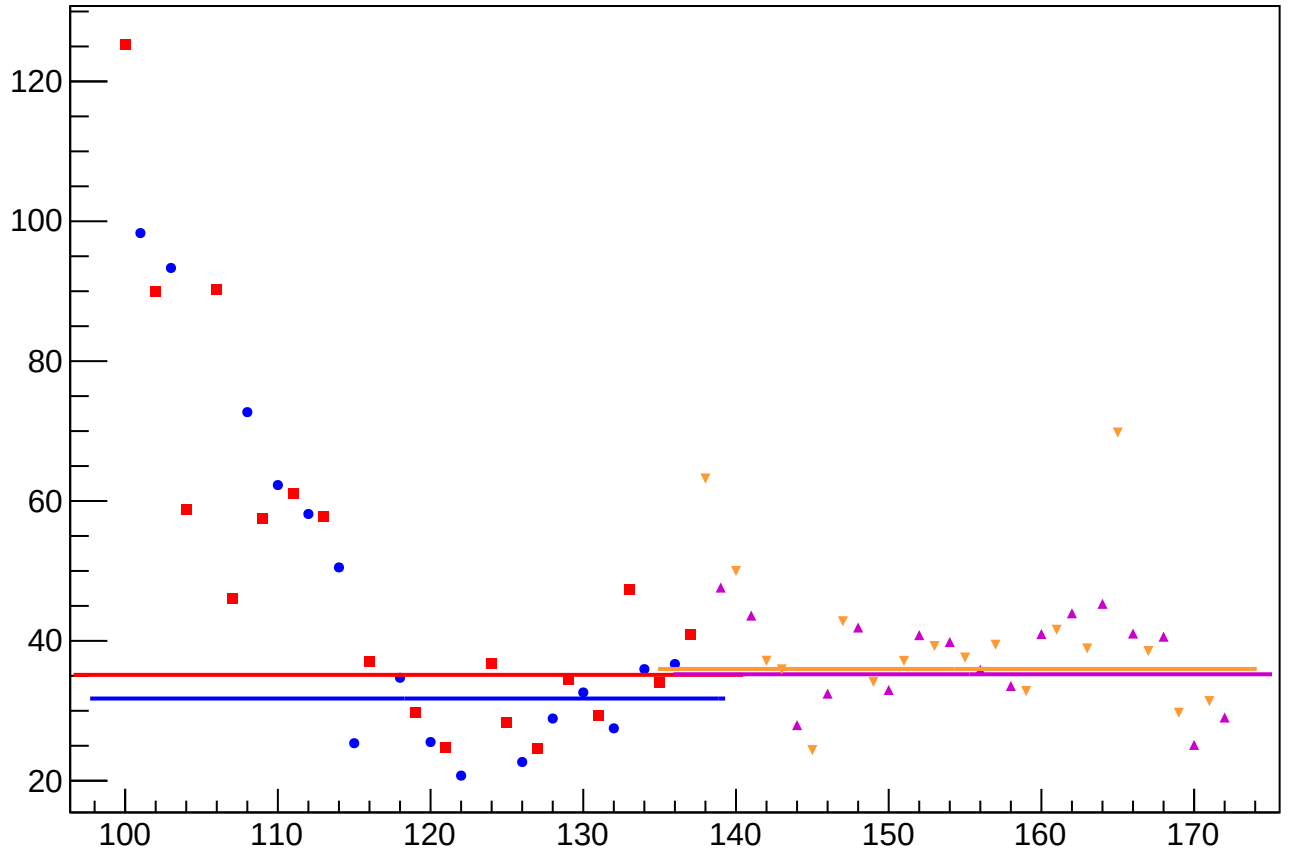
Left: 0.009+/-0.007 χ^2/NDF: 30.6/34

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:24.8/32

Out: 0.016+/-0.008 χ^2/NDF:37.4/36

All: -0.003+/-0.006 χ^2/NDF: 72.3/69



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.985+/-0.007 χ^2/NDF:1249403.9/17

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.224+/-0.007 χ^2/NDF:921057.4/16

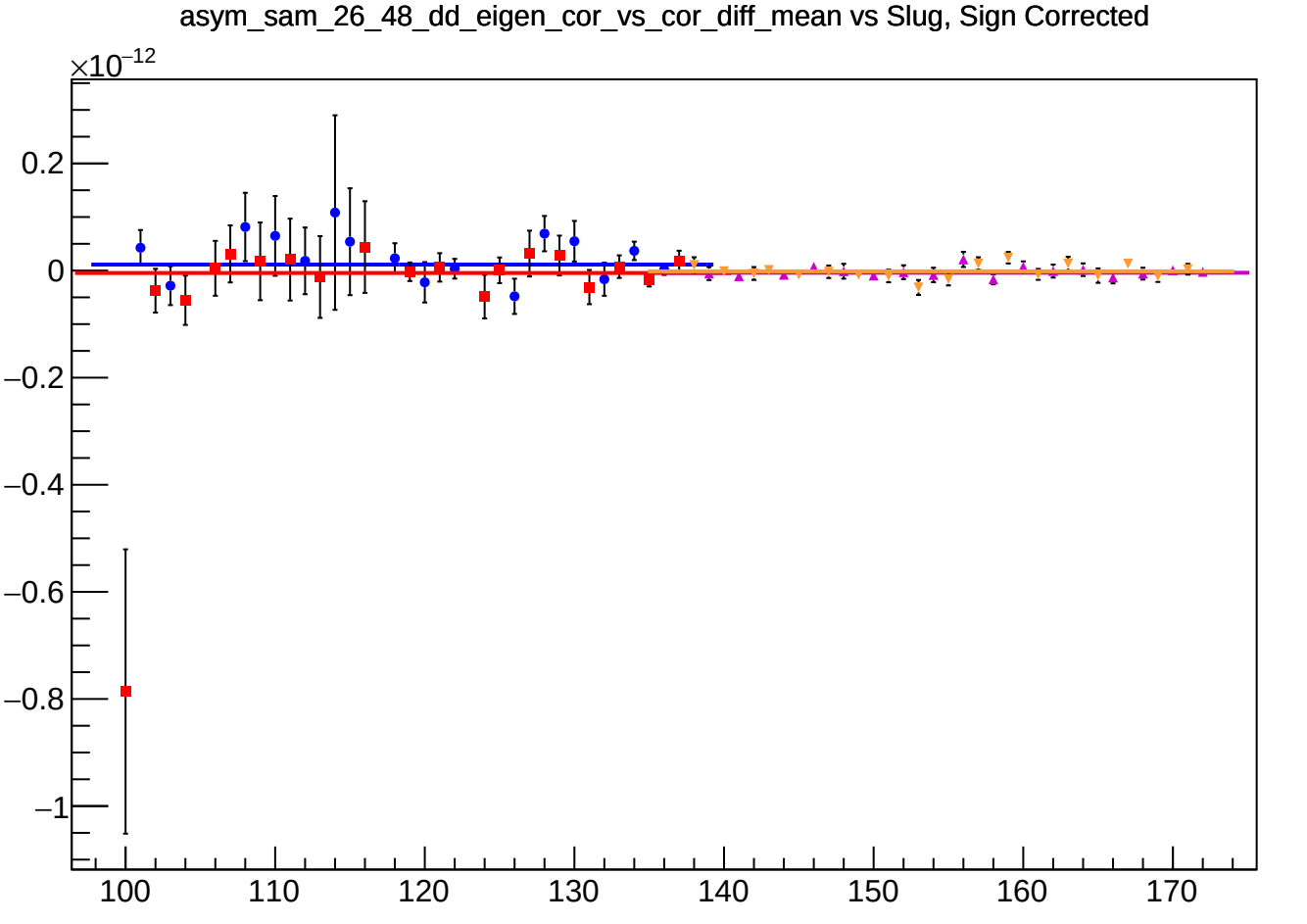
Left: 35.601+/-0.005 χ^2/NDF: 2176359.4/34

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 33.978+/-0.006 χ^2/NDF:3262394.8/32

Out: 35.706+/-0.006 χ^2/NDF:3098739.1/36

All: 34.815+/-0.004 χ^2/NDF: 6407626.4/69



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.7/17

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:10.6/16

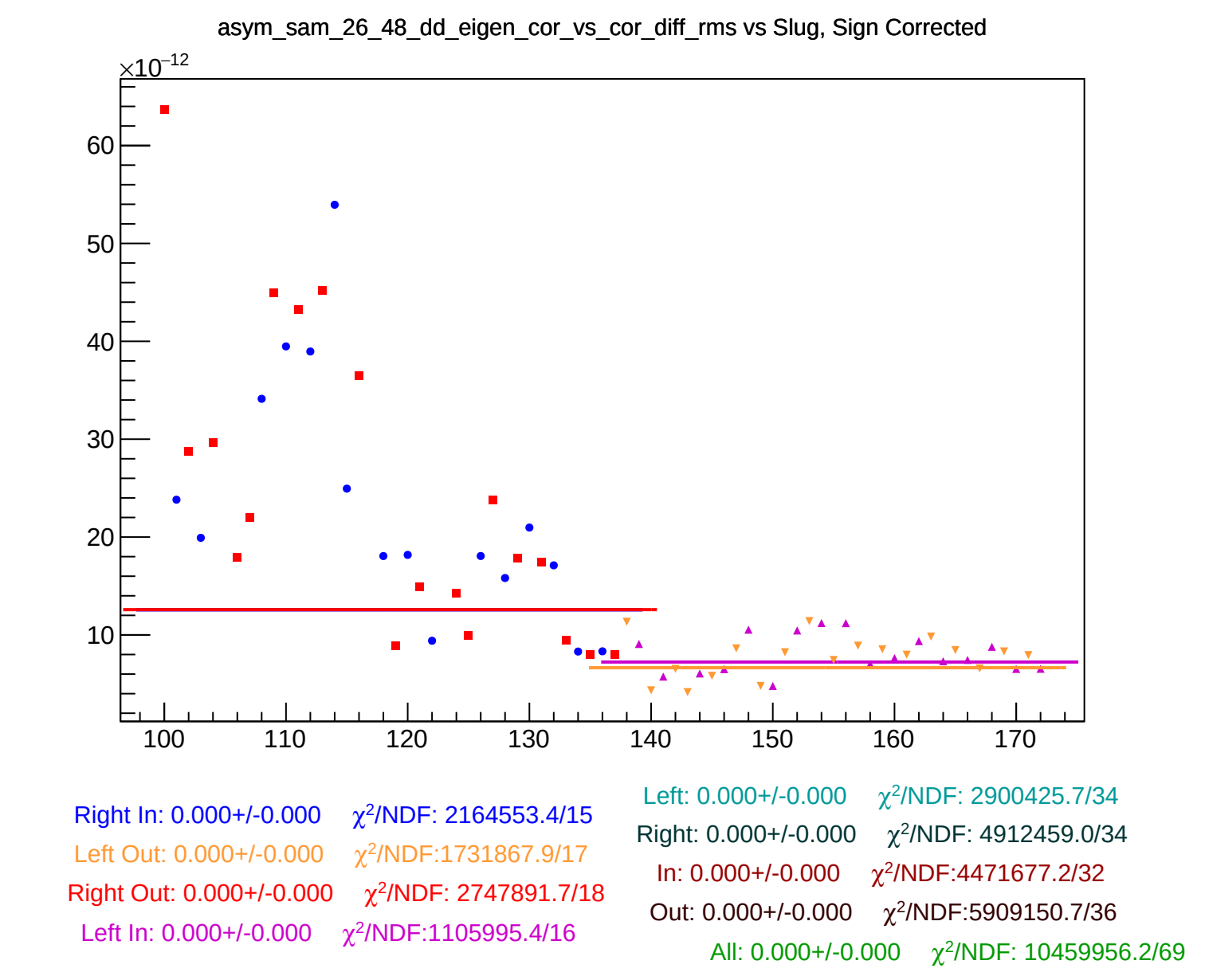
Left: -0.000+/-0.000 χ^2/NDF: 33.0/34

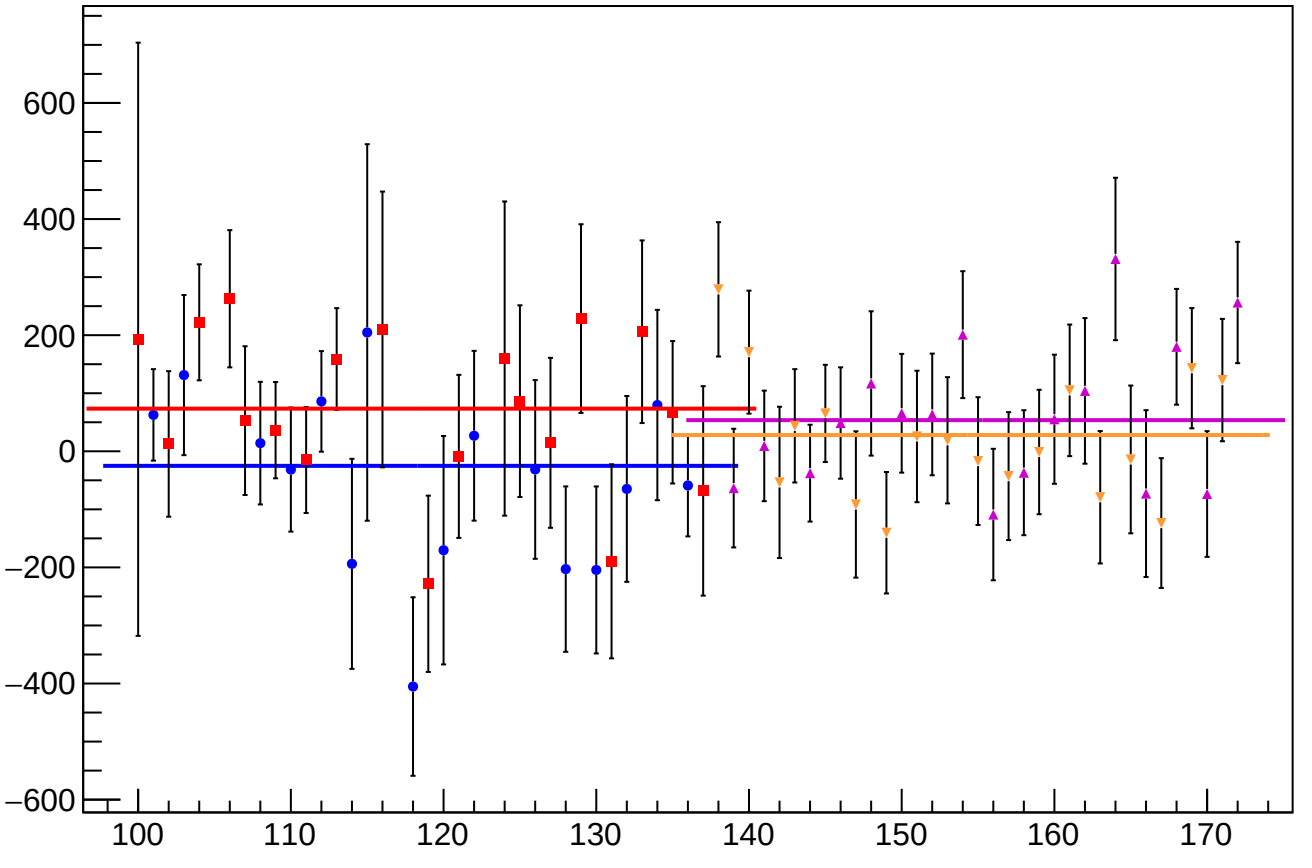
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:32.4/32

Out: -0.000+/-0.000 χ^2/NDF:39.4/36

All: -0.000+/-0.000 χ^2/NDF: 71.8/69


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:1731867.9/17
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: 2900425.7/34
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:5909150.7/36
All: 0.000+/-0.000 χ²/NDF: 10459956.2/69



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 27.998+/-25.658 χ^2/NDF:16.6/17

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 53.646+/-25.998 χ^2/NDF:19.2/16

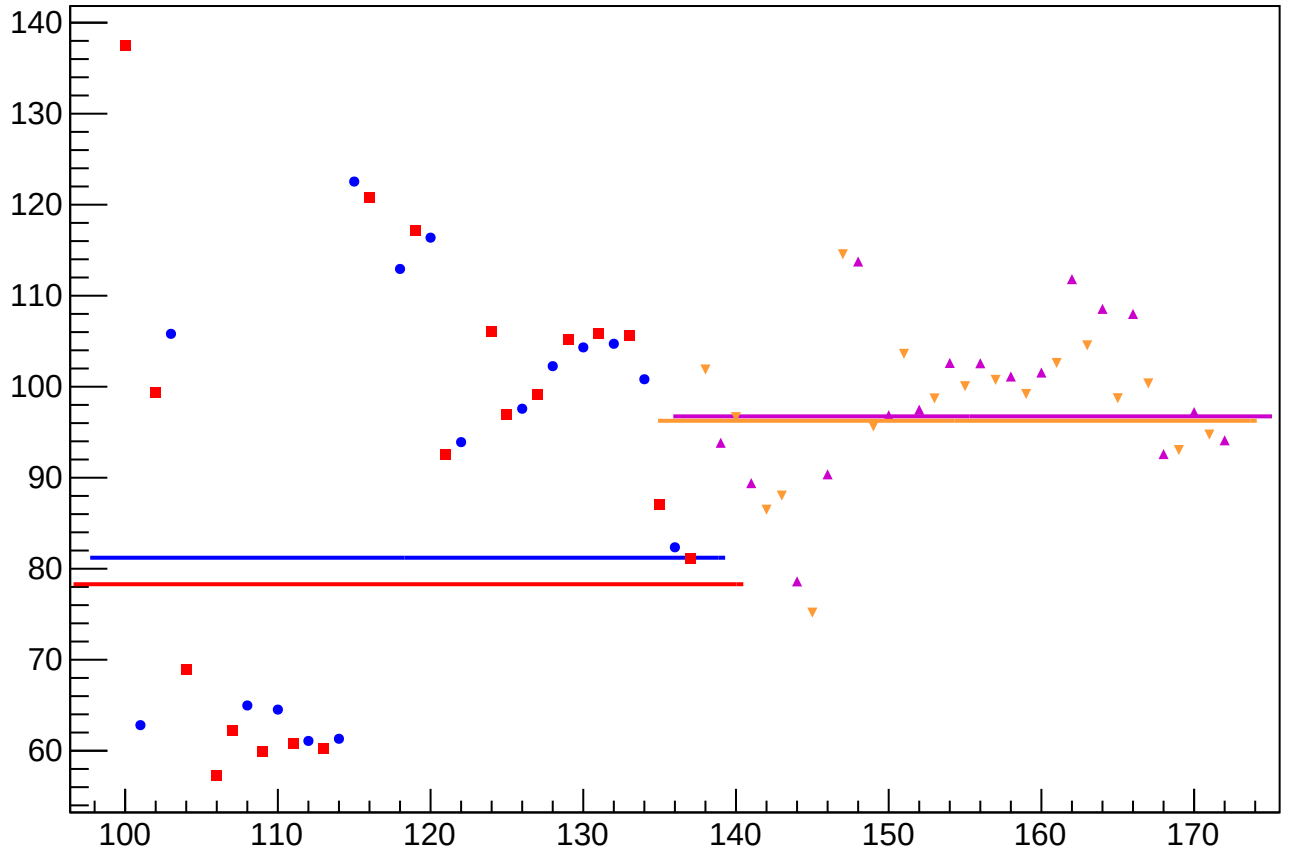
Left: 40.653+/-18.262 χ^2/NDF: 36.3/34

Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: 21.424+/-19.981 χ^2/NDF:39.2/32

Out: 47.251+/-19.481 χ^2/NDF:34.7/36

All: 34.664+/-13.949 χ^2/NDF: 74.8/69



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 96.257+/-0.018 χ^2/NDF:238491.6/17

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: 96.497+/-0.013 χ^2/NDF: 471572.1/34

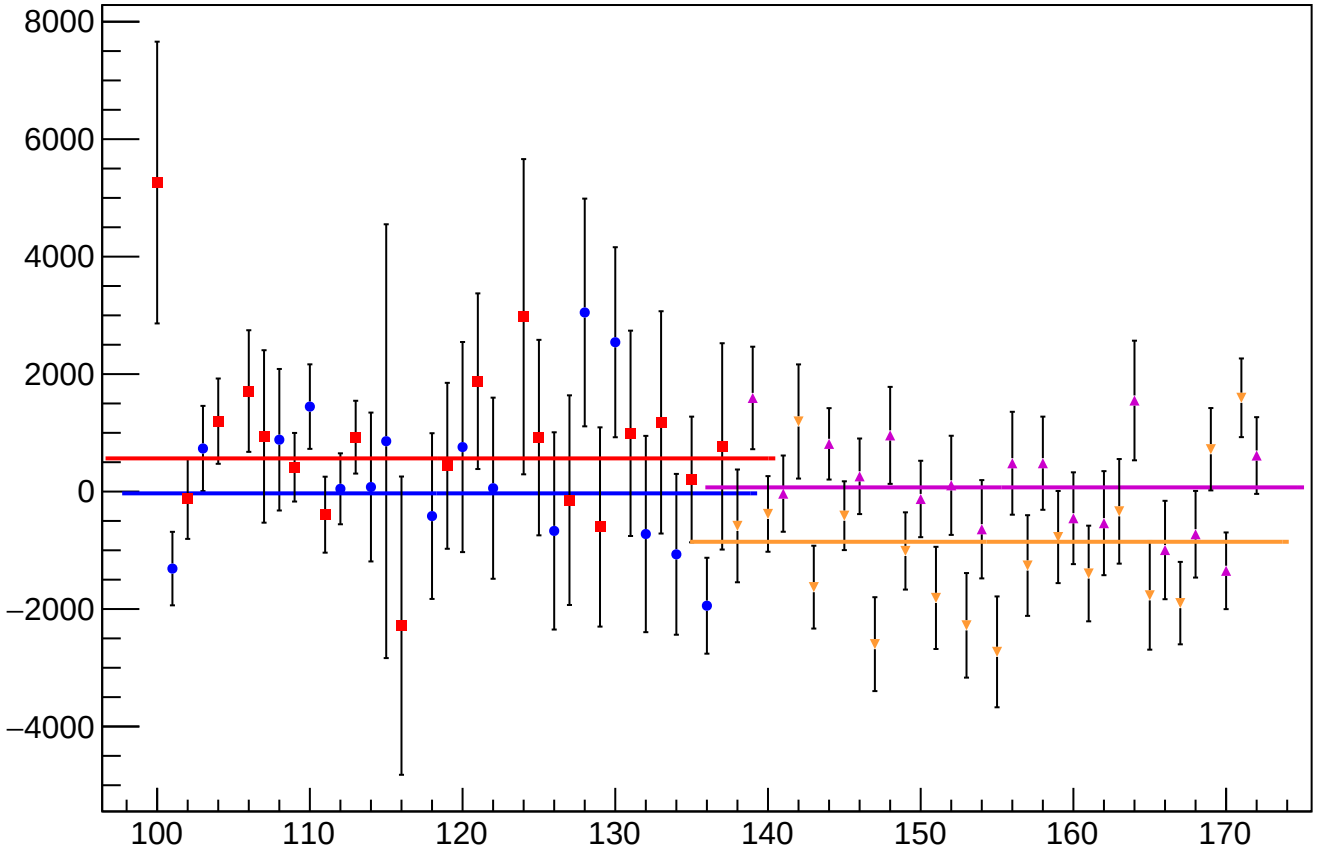
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 90.384+/-0.014 χ^2/NDF:1312633.8/32

Out: 88.651+/-0.014 χ^2/NDF:1588164.3/36

All: 89.496+/-0.010 χ^2/NDF: 2908511.8/69

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: -854.957+/-181.722 χ^2/NDF:42.0/17

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: -392.456+/-128.592 χ^2/NDF: 73.3/34

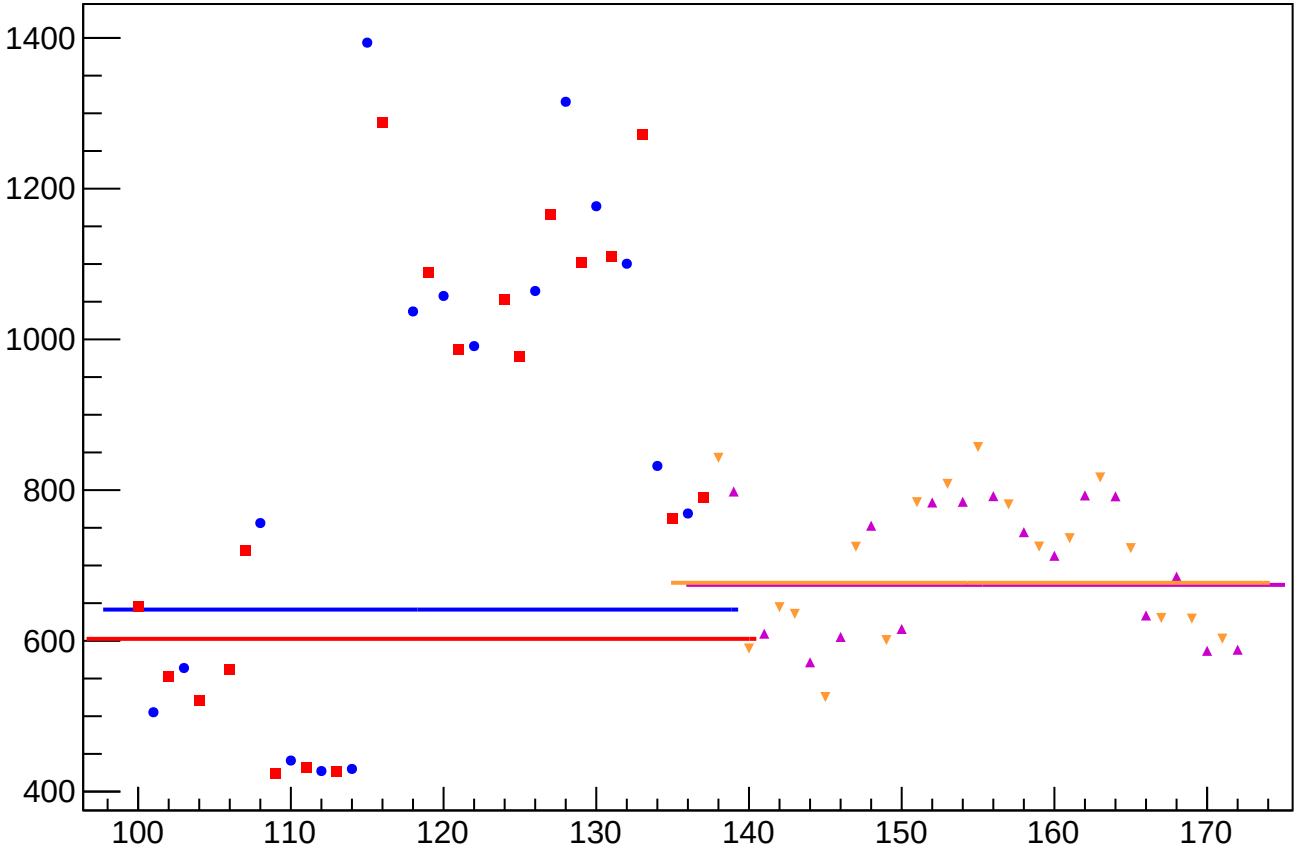
Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 37.410+/-148.523 χ^2/NDF:40.3/32

Out: -333.412+/-144.544 χ^2/NDF:77.7/36

All: -153.035+/-103.586 χ^2/NDF: 121.2/69

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: 677.040+/-0.128 χ^2/NDF:564146.9/17

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 674.276+/-0.129 χ^2/NDF:437865.6/16

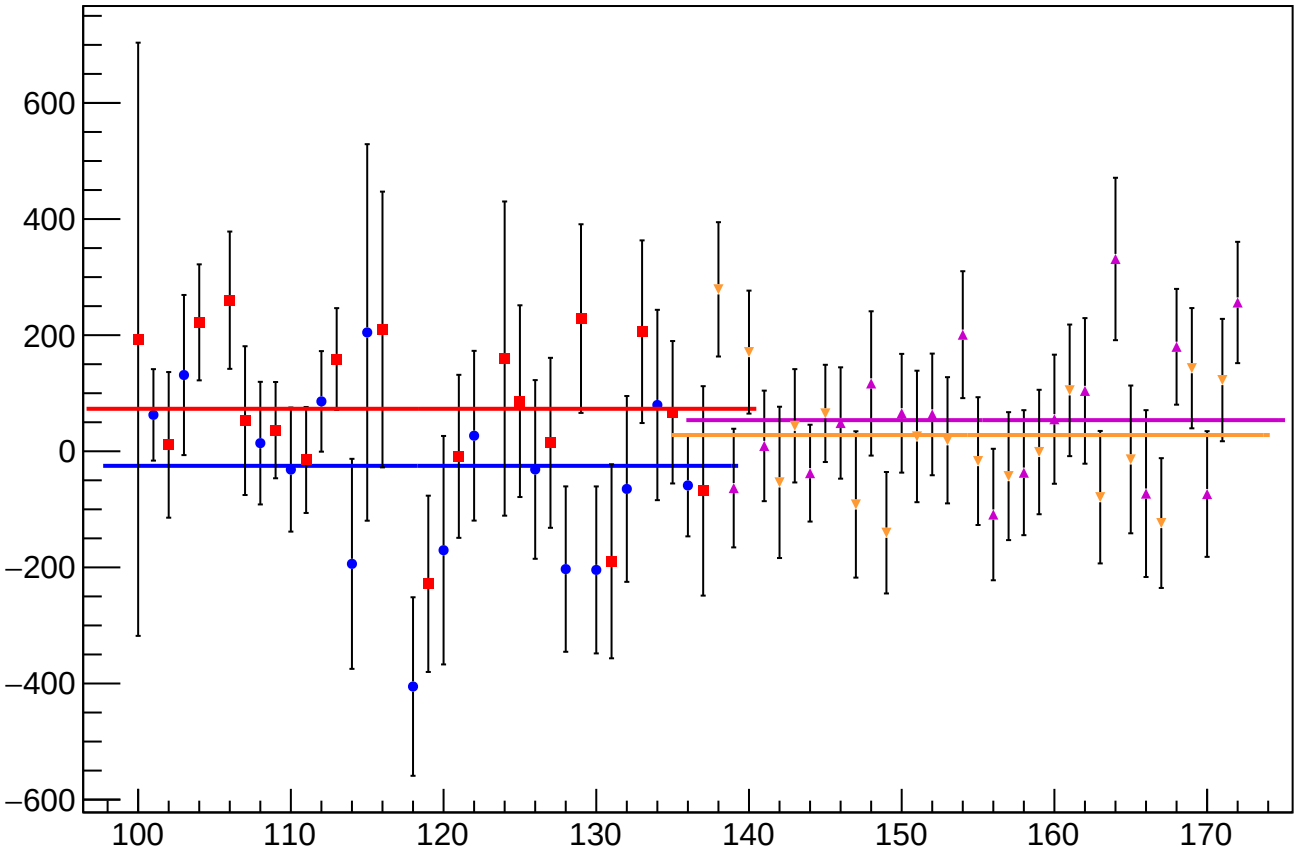
Left: 675.660+/-0.091 χ^2/NDF: 1002243.7/34

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 663.329+/-0.105 χ^2/NDF:2334523.1/32

Out: 649.716+/-0.102 χ^2/NDF:2757552.6/36

All: 656.338+/-0.073 χ^2/NDF: 5100703.9/69



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 28.000+/-25.658 χ^2/NDF:16.6/17

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 53.645+/-25.998 χ^2/NDF:19.2/16

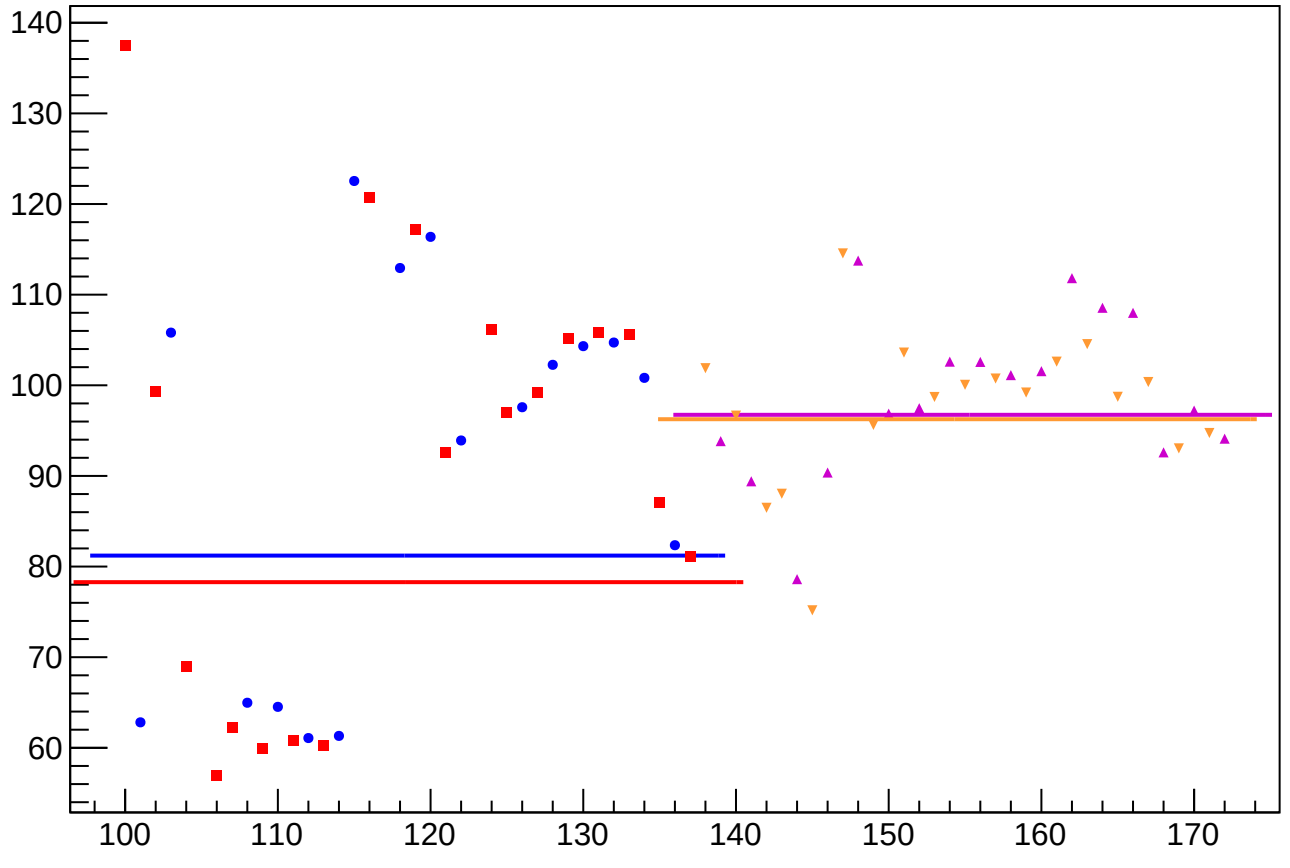
Left: 40.654+/-18.262 χ^2/NDF: 36.3/34

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 21.422+/-19.981 χ^2/NDF:39.2/32

Out: 47.139+/-19.482 χ^2/NDF:34.7/36

All: 34.605+/-13.949 χ^2/NDF: 74.7/69



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.257+/-0.018 χ^2/NDF:238491.6/17

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: 96.497+/-0.013 χ^2/NDF: 471572.1/34

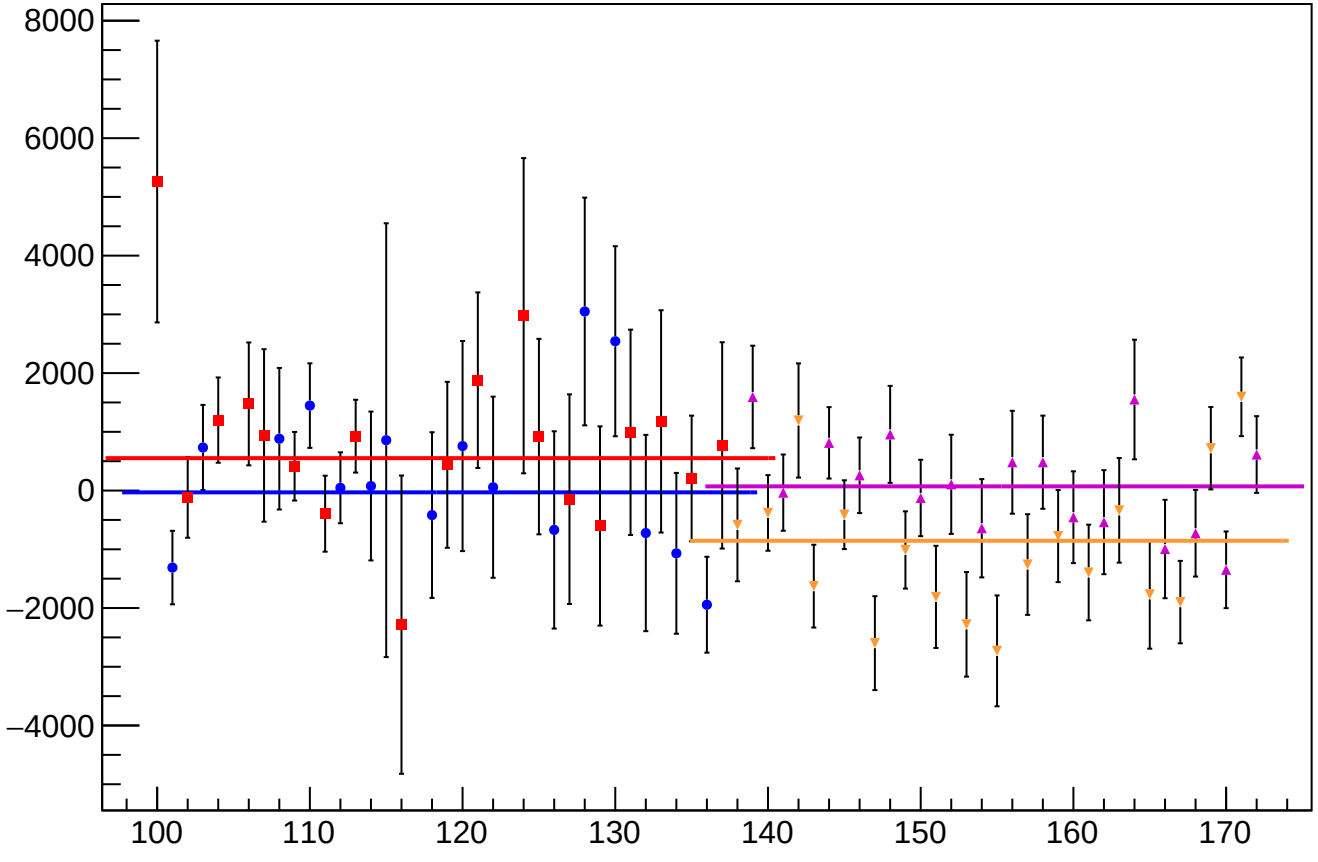
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 90.384+/-0.014 χ^2/NDF:1312635.5/32

Out: 88.644+/-0.014 χ^2/NDF:1591135.3/36

All: 89.492+/-0.010 χ^2/NDF: 2911550.0/69

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: -854.953+/-181.722 χ^2/NDF:42.0/17

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 71.422+/-181.992 χ^2/NDF:18.4/16

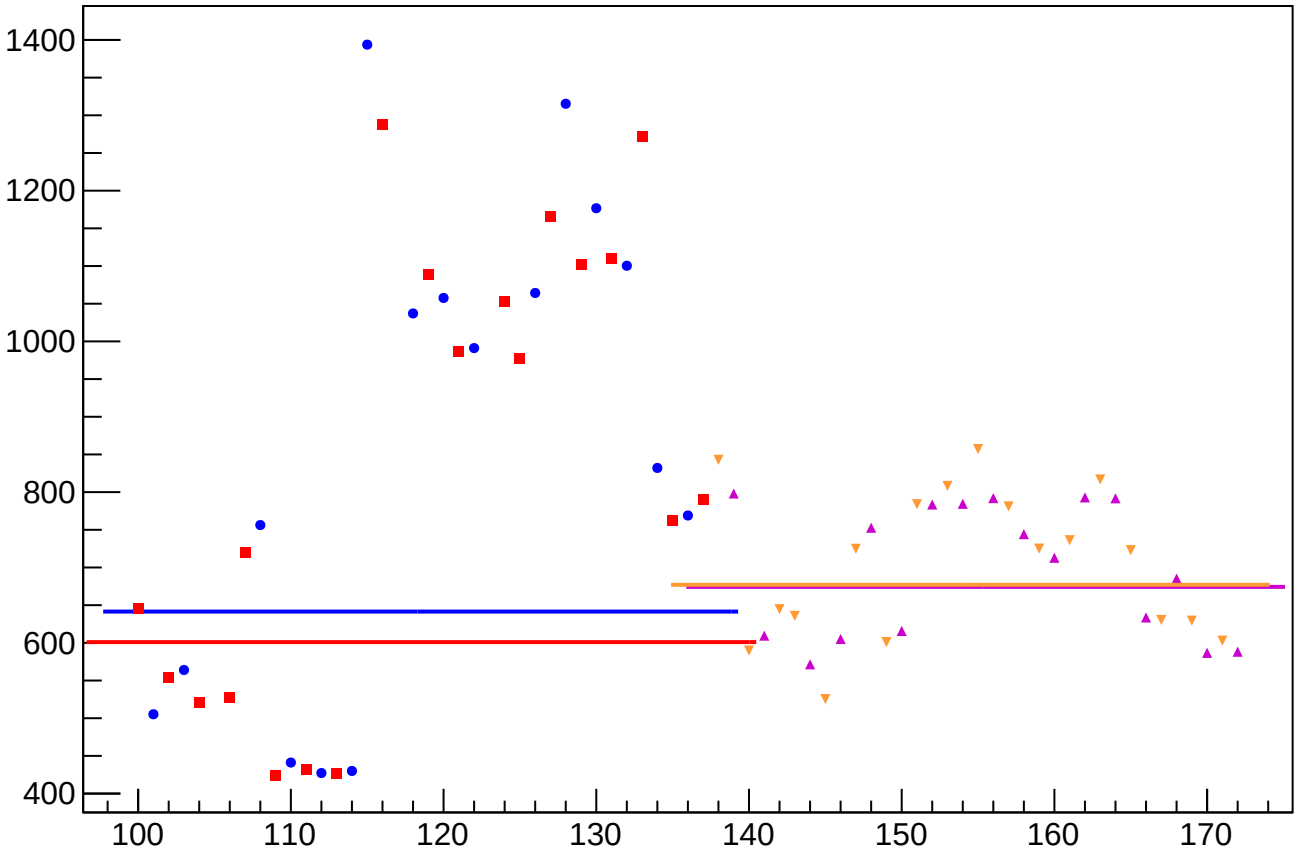
Left: -392.452+/-128.592 χ^2/NDF: 73.3/34

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 37.405+/-148.524 χ^2/NDF:40.3/32

Out: -338.569+/-144.577 χ^2/NDF:76.8/36

All: -155.645+/-103.598 χ^2/NDF: 120.4/69



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 677.040+/-0.128 χ^2/NDF:564148.3/17

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 674.276+/-0.129 χ^2/NDF:437865.5/16

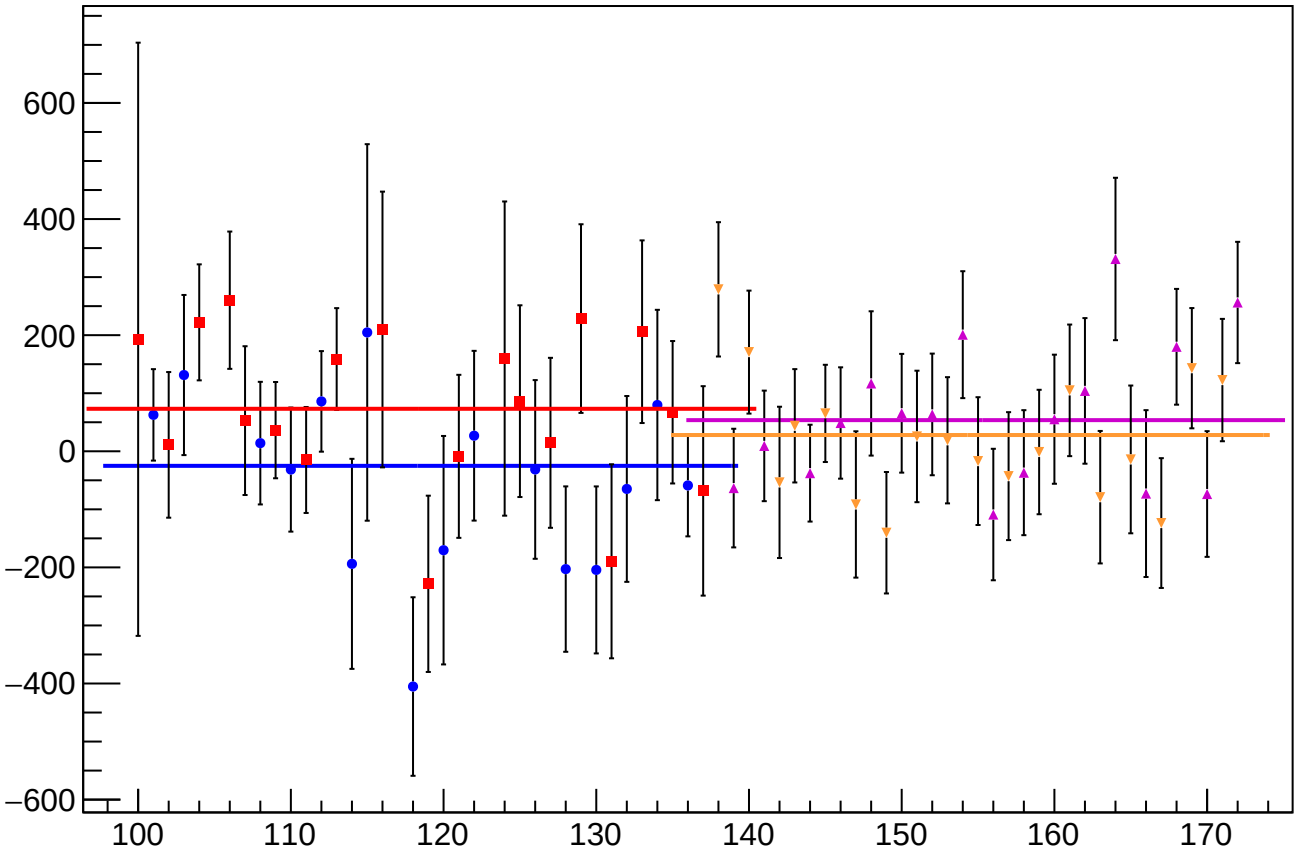
Left: 675.660+/-0.091 χ^2/NDF: 1002244.9/34

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 663.332+/-0.105 χ^2/NDF:2334470.1/32

Out: 649.122+/-0.102 χ^2/NDF:2769994.6/36

All: 656.035+/-0.073 χ^2/NDF: 5113865.1/69



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 28.000+/-25.658 χ^2/NDF:16.6/17

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 53.645+/-25.998 χ^2/NDF:19.2/16

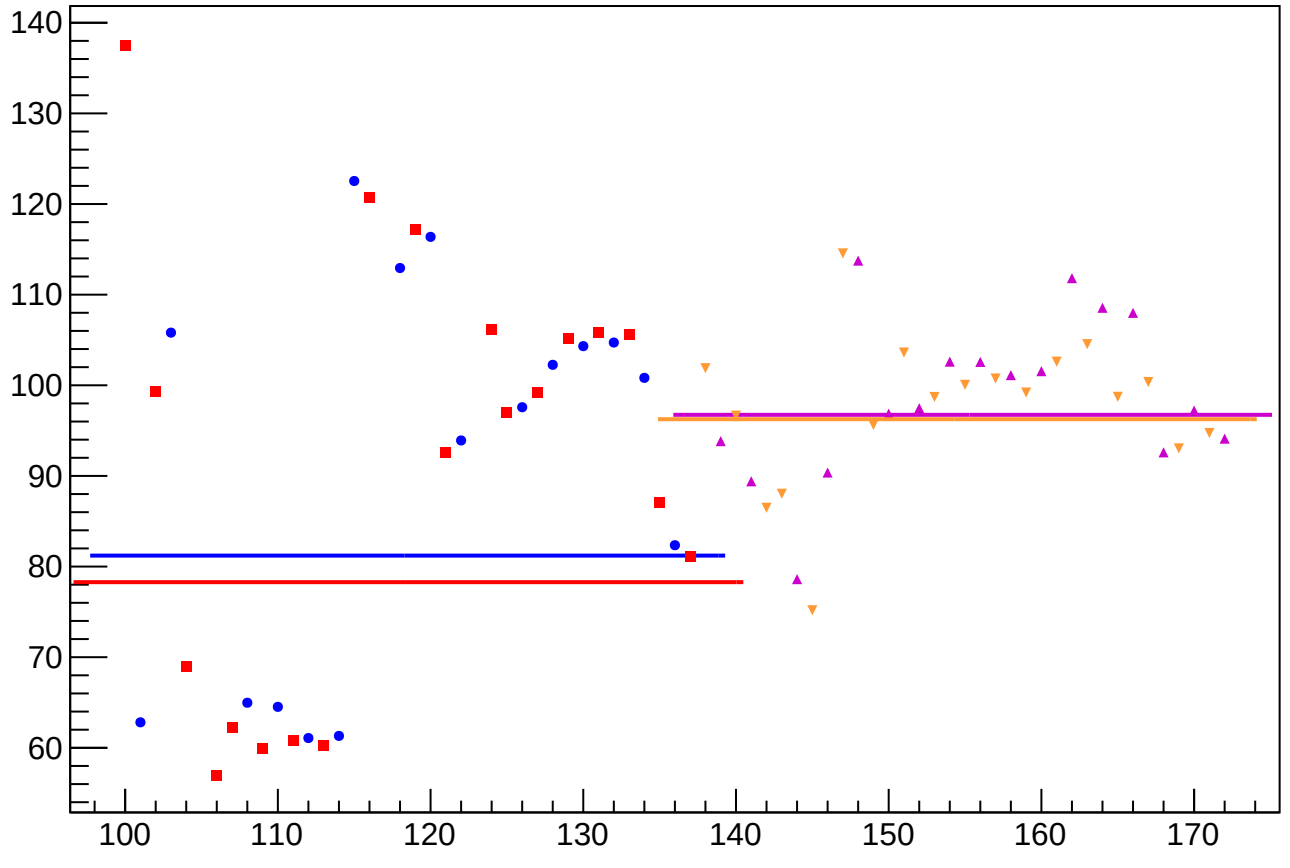
Left: 40.654+/-18.262 χ^2/NDF: 36.3/34

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 21.422+/-19.981 χ^2/NDF:39.2/32

Out: 47.139+/-19.482 χ^2/NDF:34.7/36

All: 34.605+/-13.949 χ^2/NDF: 74.7/69



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.257+/-0.018 χ^2/NDF:238491.6/17

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: 96.497+/-0.013 χ^2/NDF: 471572.1/34

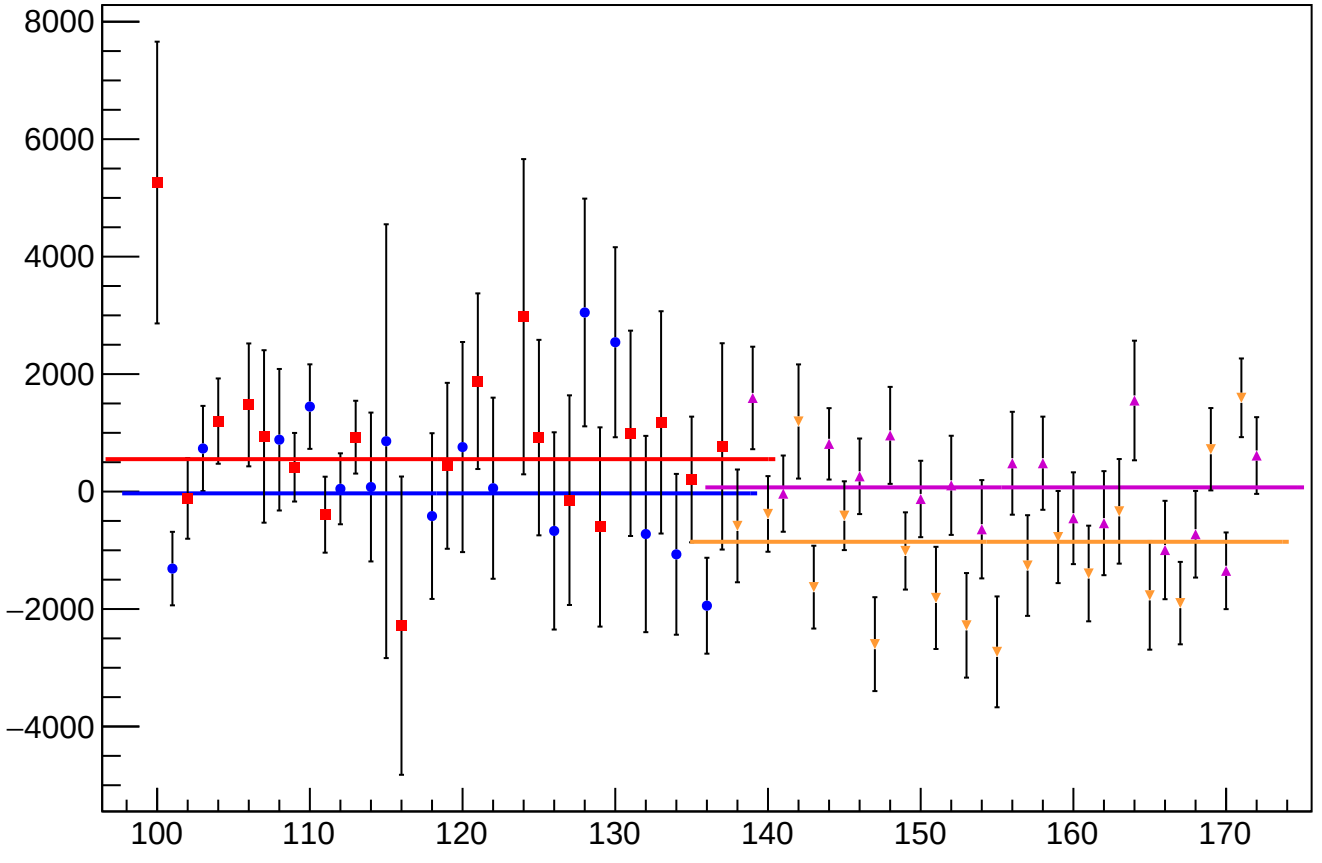
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 90.384+/-0.014 χ^2/NDF:1312635.5/32

Out: 88.644+/-0.014 χ^2/NDF:1591135.3/36

All: 89.492+/-0.010 χ^2/NDF: 2911550.0/69

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: -854.953+/-181.722 χ^2/NDF:42.0/17

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: -392.452+/-128.592 χ^2/NDF: 73.3/34

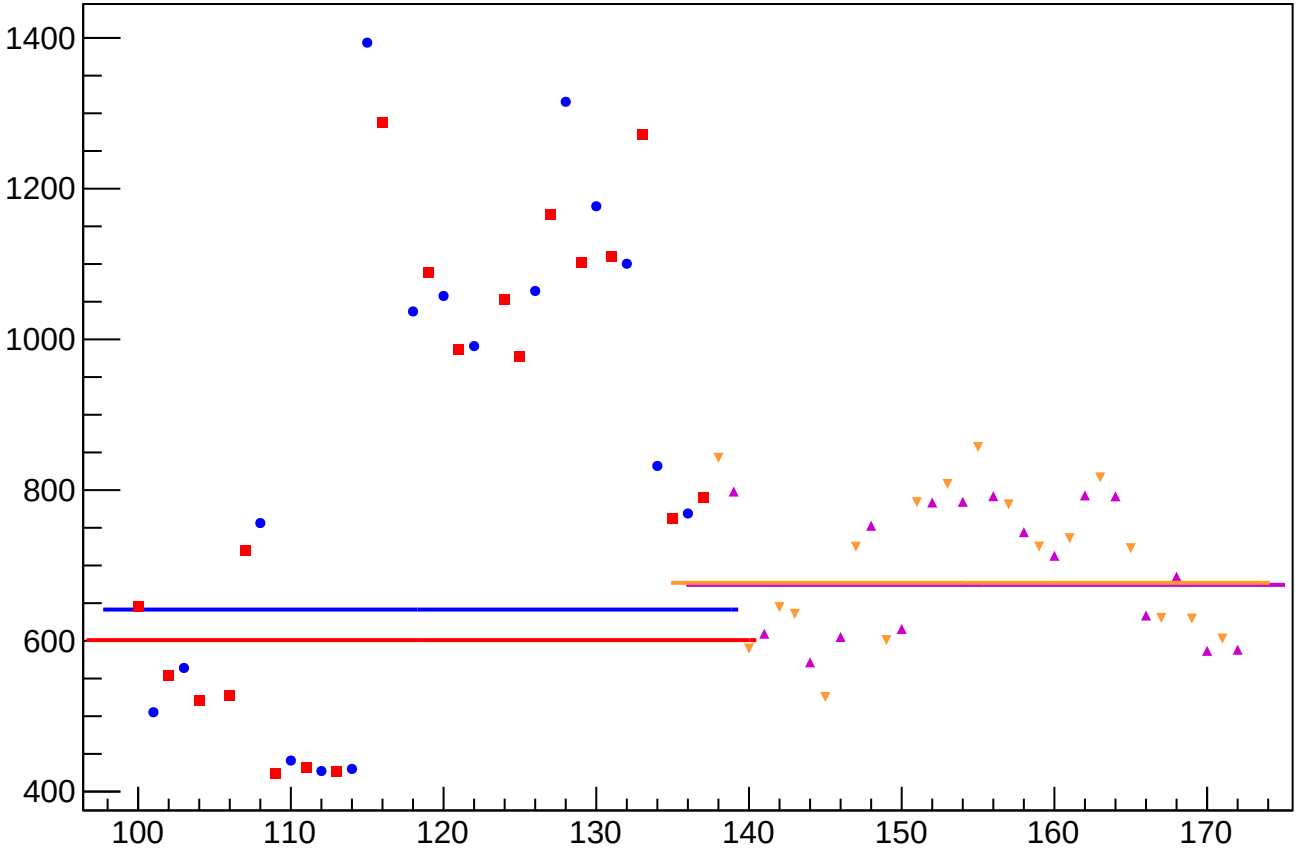
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 37.405+/-148.524 χ^2/NDF:40.3/32

Out: -338.569+/-144.577 χ^2/NDF:76.8/36

All: -155.645+/-103.598 χ^2/NDF: 120.4/69

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: 677.040+/-0.128 χ^2/NDF:564148.3/17

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 674.276+/-0.129 χ^2/NDF:437865.5/16

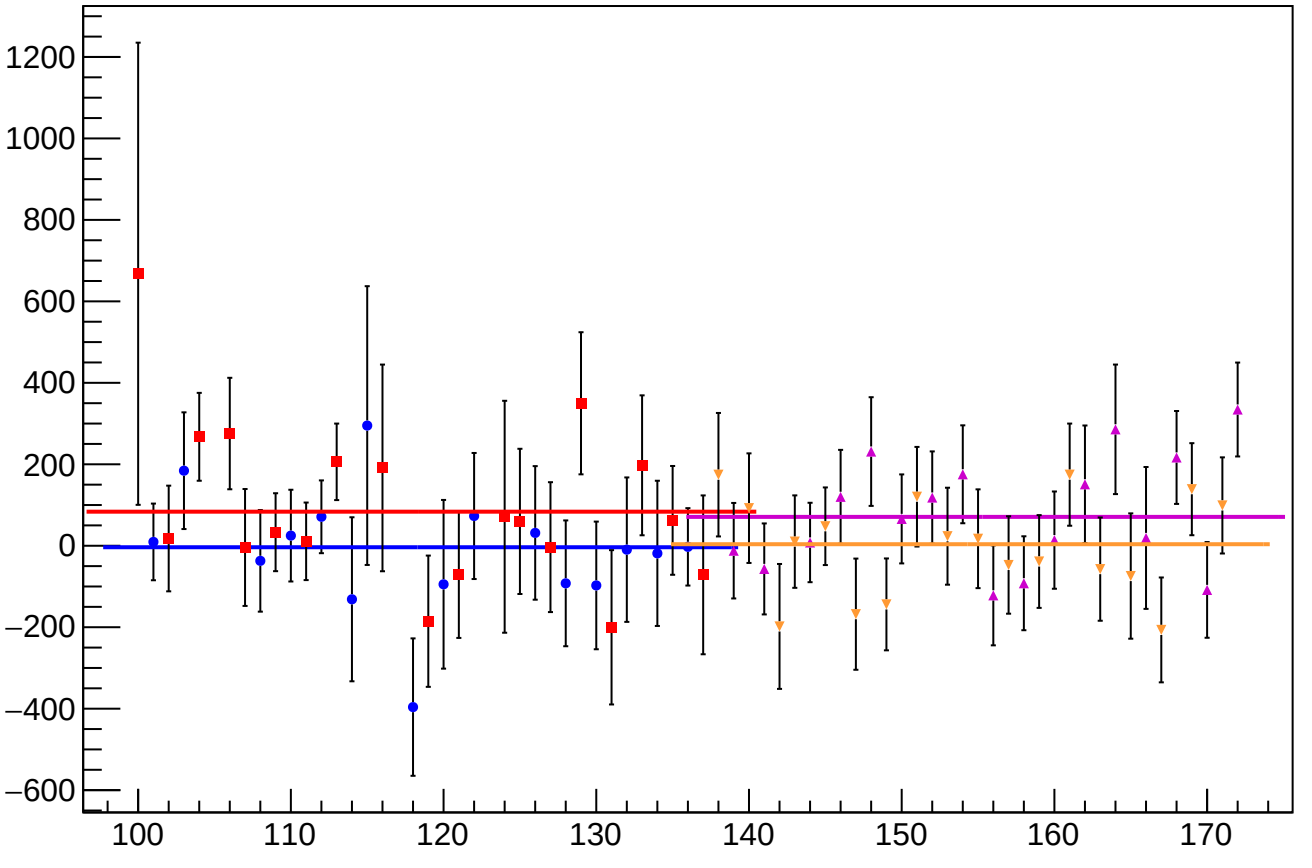
Left: 675.660+/-0.091 χ^2/NDF: 1002244.9/34

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 663.332+/-0.105 χ^2/NDF:2334470.1/32

Out: 649.122+/-0.102 χ^2/NDF:2769994.6/36

All: 656.035+/-0.073 χ^2/NDF: 5113865.1/69



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 3.788+/-28.958 χ^2/NDF:15.3/17

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 70.895+/-29.143 χ^2/NDF:20.9/16

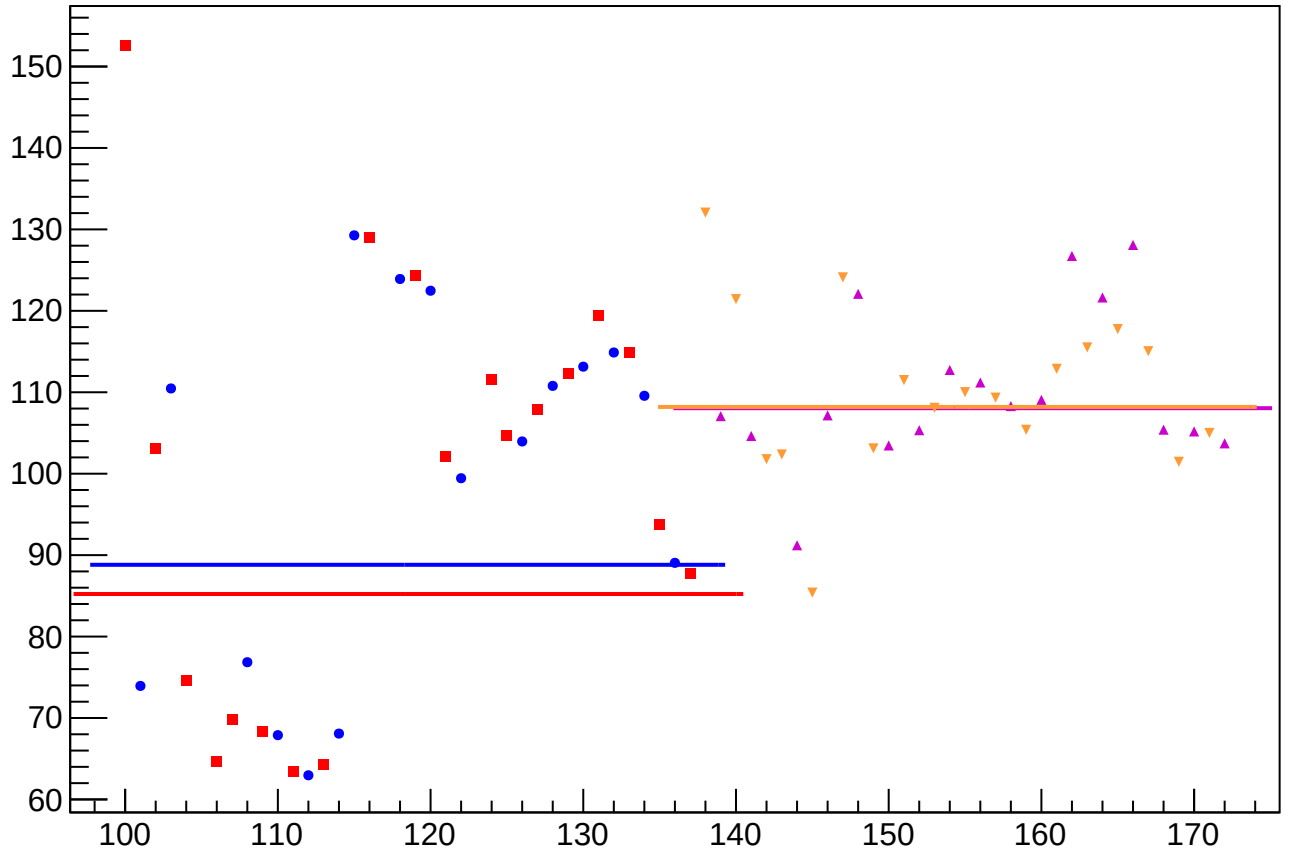
Left: 37.128+/-20.542 χ^2/NDF: 38.9/34

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 39.492+/-22.169 χ^2/NDF:34.0/32

Out: 38.983+/-21.660 χ^2/NDF:37.7/36

All: 39.232+/-15.493 χ^2/NDF: 71.7/69



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 108.199+/-0.020 χ^2/NDF:258221.8/17

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: 108.122+/-0.015 χ^2/NDF: 431073.4/34

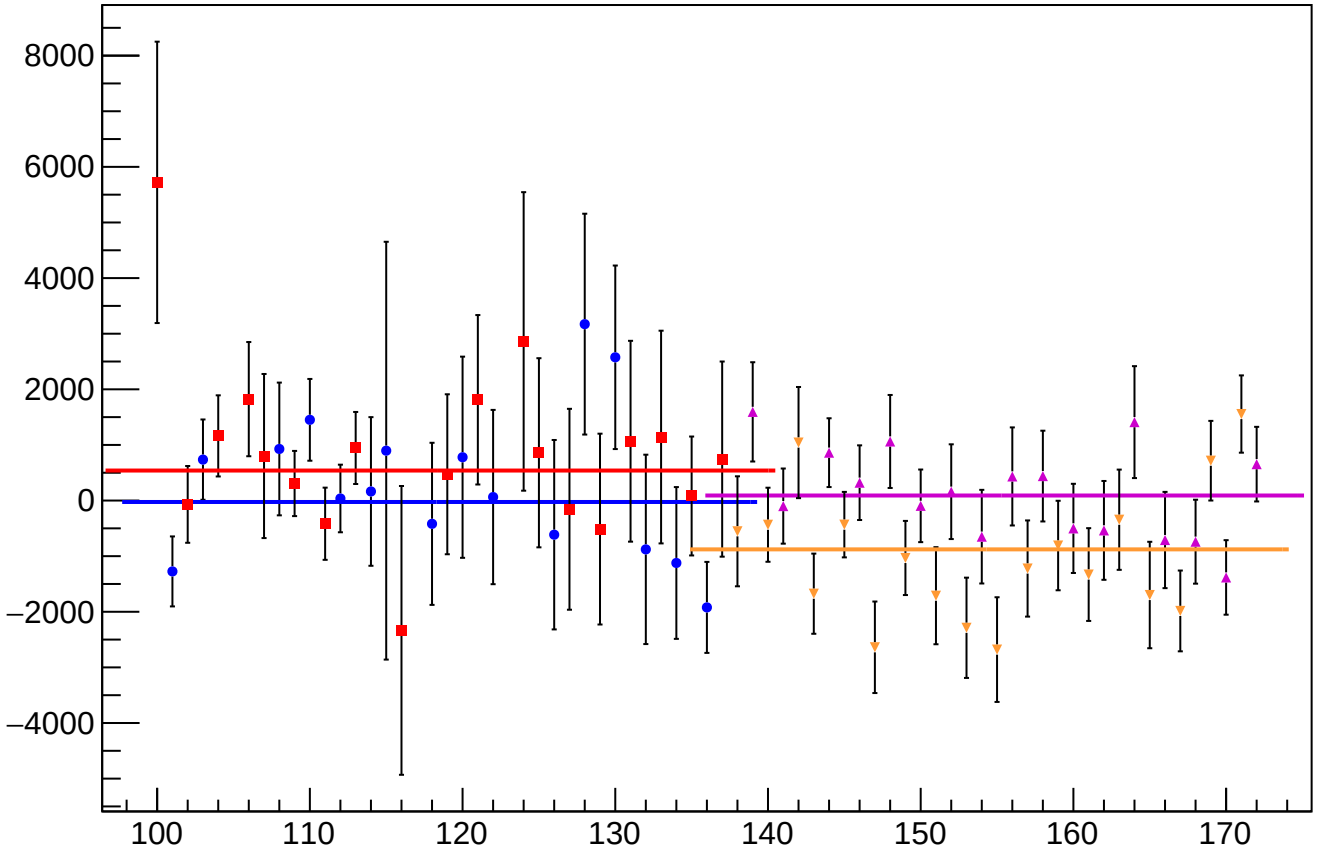
Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 99.941+/-0.016 χ^2/NDF:1264365.8/32

Out: 98.077+/-0.015 χ^2/NDF:1696866.4/36

All: 98.988+/-0.011 χ^2/NDF: 2968464.1/69

asym_sam_1548_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -877.954+/-185.538 χ^2/NDF:38.8/17

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 90.634+/-185.744 χ^2/NDF:17.5/16

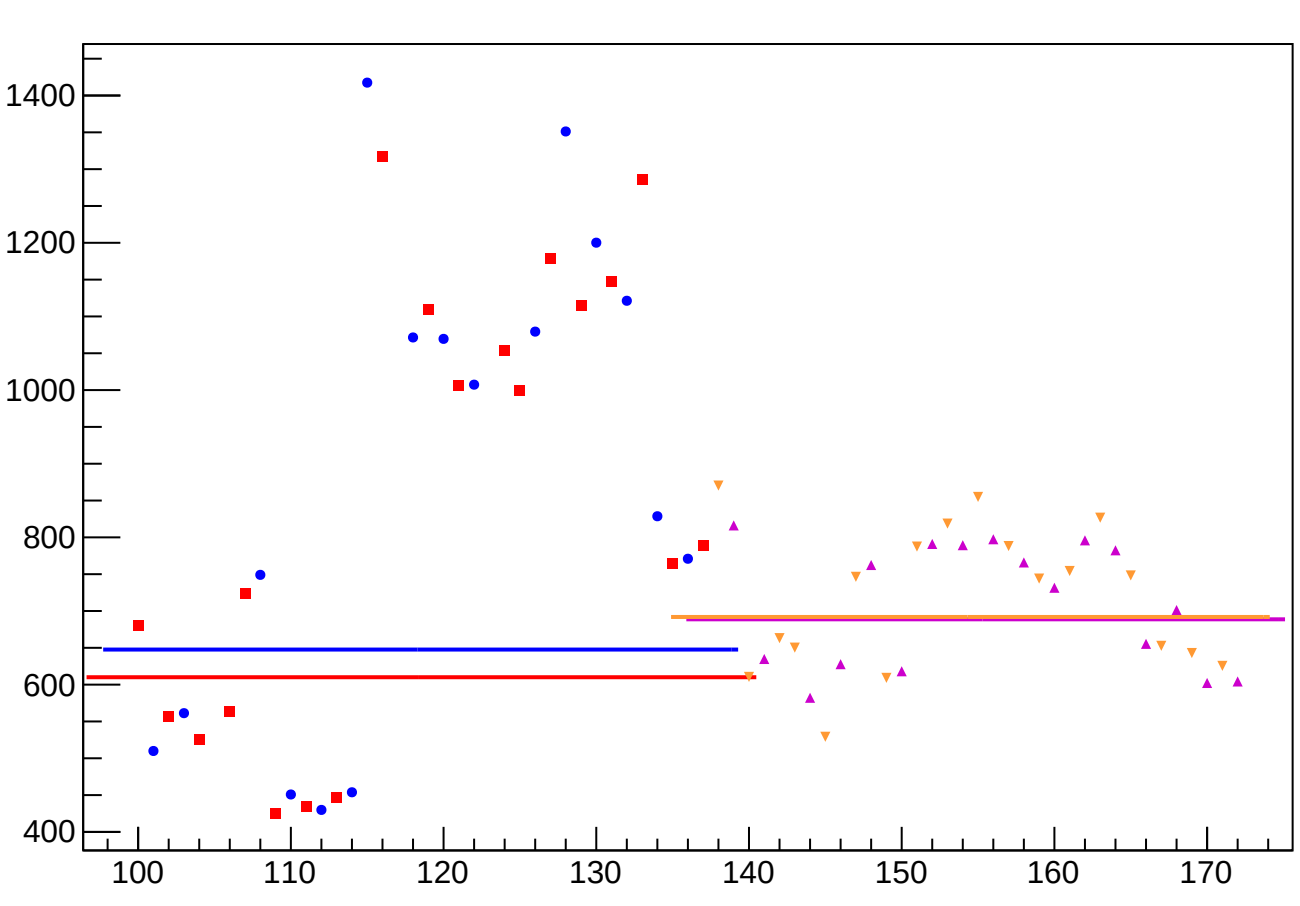
Left: -394.197+/-131.268 χ^2/NDF: 69.9/34

Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 51.180+/-151.020 χ^2/NDF:39.2/32

Out: -351.078+/-147.070 χ^2/NDF:74.1/36

All: -155.277+/-105.363 χ^2/NDF: 117.0/69



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 691.892+/-0.131 χ^2/NDF:548717.8/17

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 688.708+/-0.131 χ^2/NDF:394730.4/16

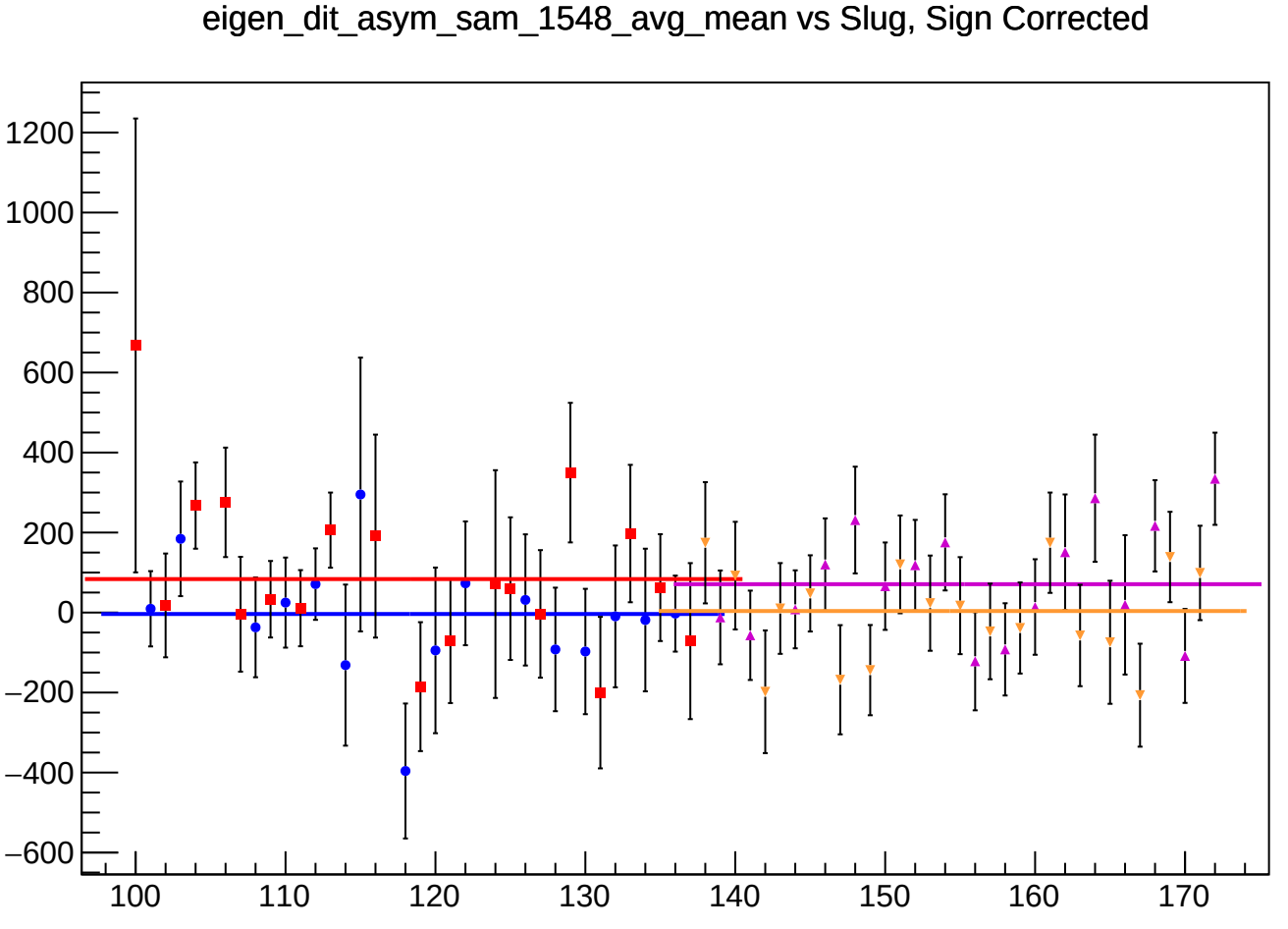
Left: 690.302+/-0.093 χ^2/NDF: 943742.3/34

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 674.789+/-0.107 χ^2/NDF:2315684.5/32

Out: 661.478+/-0.104 χ^2/NDF:2767565.4/36

All: 667.957+/-0.075 χ^2/NDF: 5091224.6/69



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 3.790+/-28.958 χ^2/NDF:15.3/17

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 70.895+/-29.143 χ^2/NDF:20.9/16

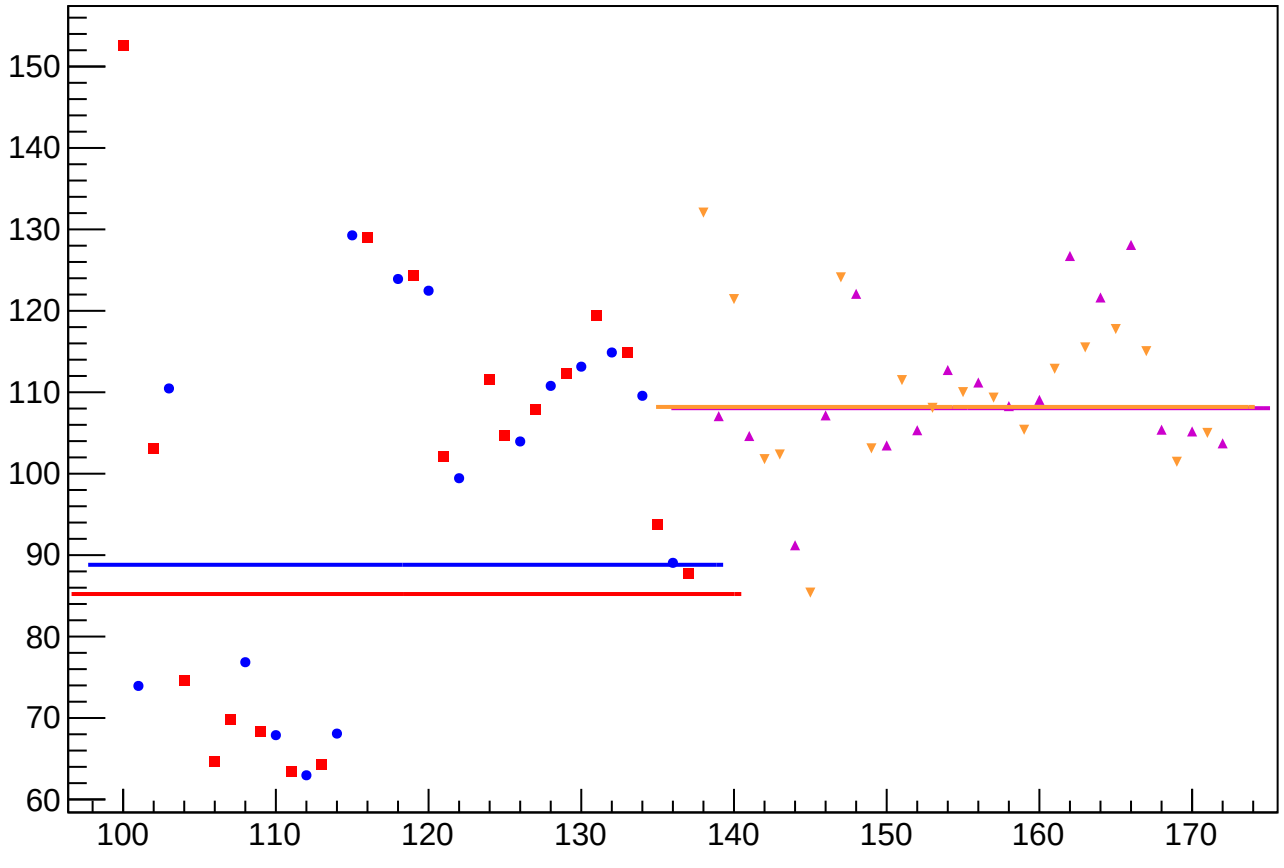
Left: 37.129+/-20.542 χ^2/NDF: 38.9/34

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 39.493+/-22.169 χ^2/NDF:34.0/32

Out: 38.984+/-21.660 χ^2/NDF:37.7/36

All: 39.232+/-15.493 χ^2/NDF: 71.7/69



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 108.199+/-0.020 χ^2/NDF:258220.2/17

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: 108.122+/-0.015 χ^2/NDF: 431069.9/34

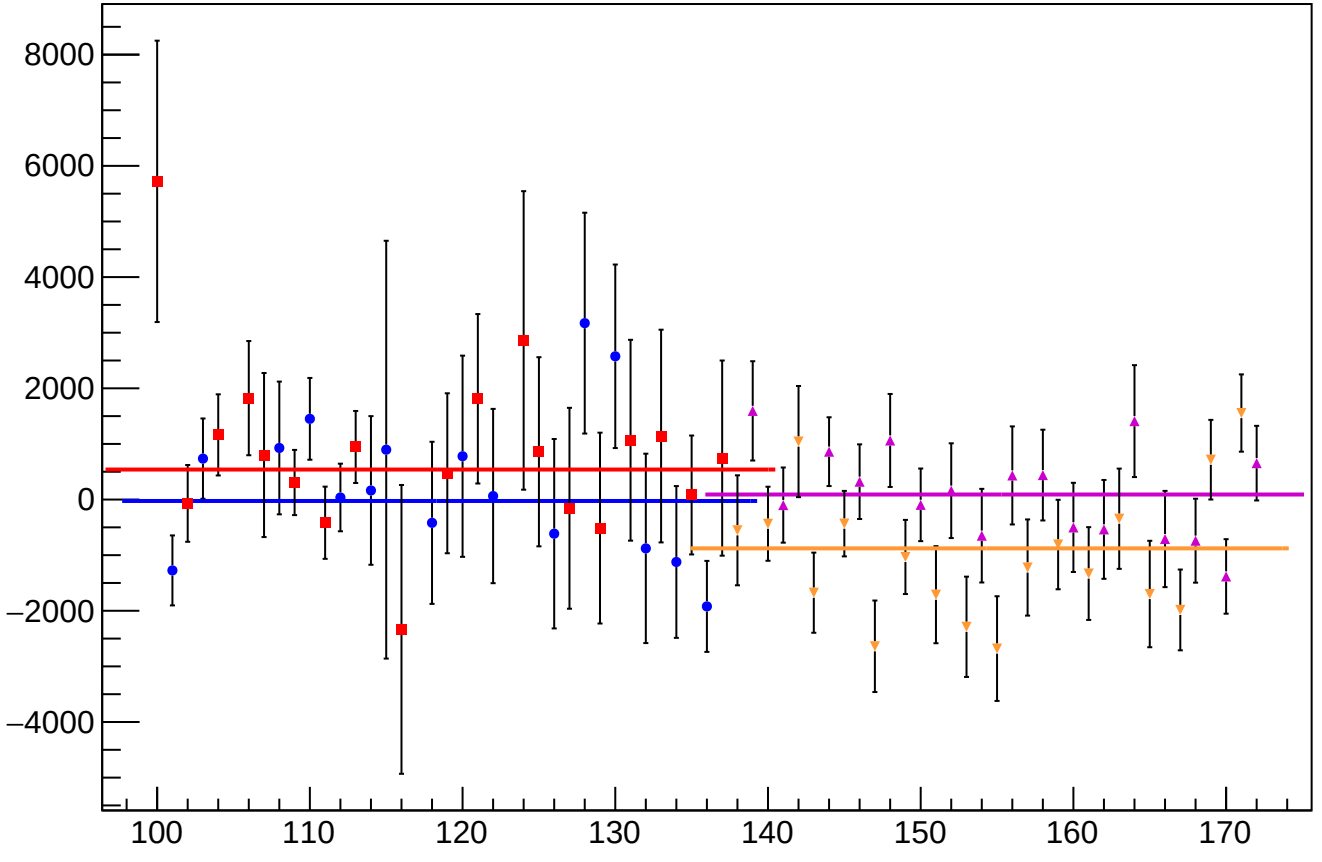
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 99.941+/-0.016 χ^2/NDF:1264370.9/32

Out: 98.077+/-0.015 χ^2/NDF:1696875.6/36

All: 98.988+/-0.011 χ^2/NDF: 2968478.6/69

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: -877.952+/-185.537 χ^2/NDF:38.8/17

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: -394.197+/-131.268 χ^2/NDF: 69.9/34

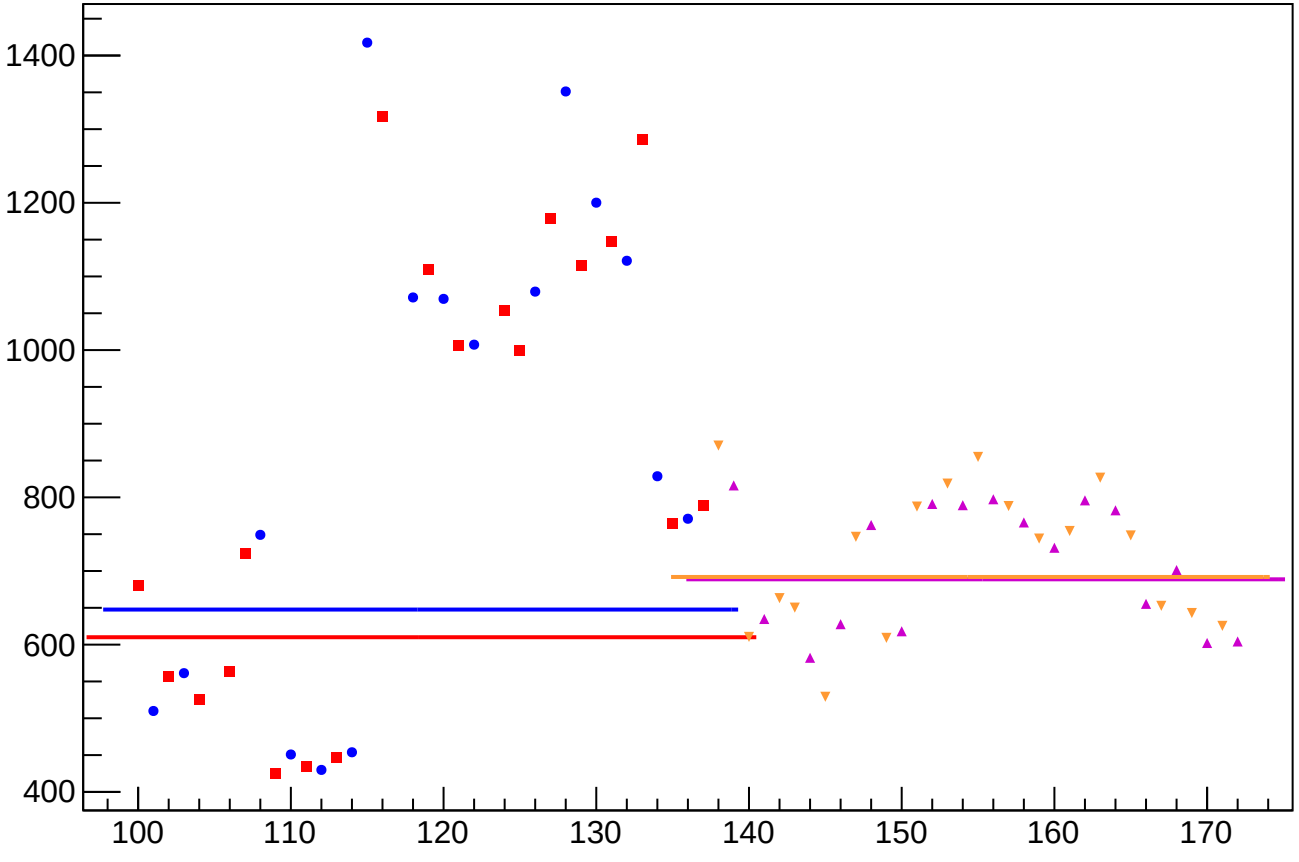
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 51.179+/-151.020 χ^2/NDF:39.2/32

Out: -351.077+/-147.070 χ^2/NDF:74.1/36

All: -155.277+/-105.363 χ^2/NDF: 117.0/69

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: 691.892+/-0.131 χ^2/NDF:548719.4/17

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 688.708+/-0.131 χ^2/NDF:394727.9/16

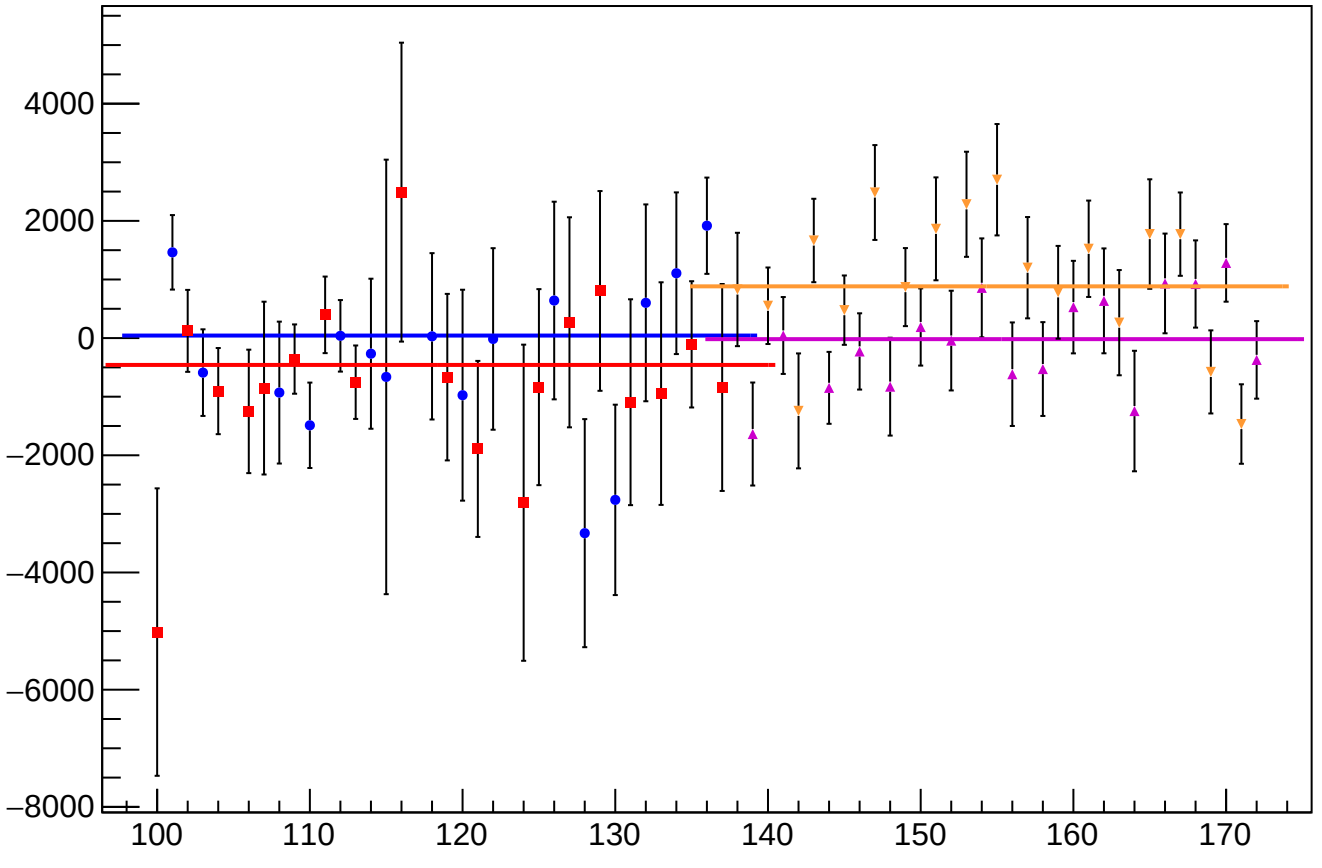
Left: 690.301+/-0.093 χ^2/NDF: 943741.4/34

Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 674.788+/-0.107 χ^2/NDF:2315687.2/32

Out: 661.477+/-0.104 χ^2/NDF:2767570.5/36

All: 667.956+/-0.075 χ^2/NDF: 5091232.6/69



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 882.798+/-183.639 χ^2/NDF:37.9/17

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: 433.082+/-129.961 χ^2/NDF: 67.6/34

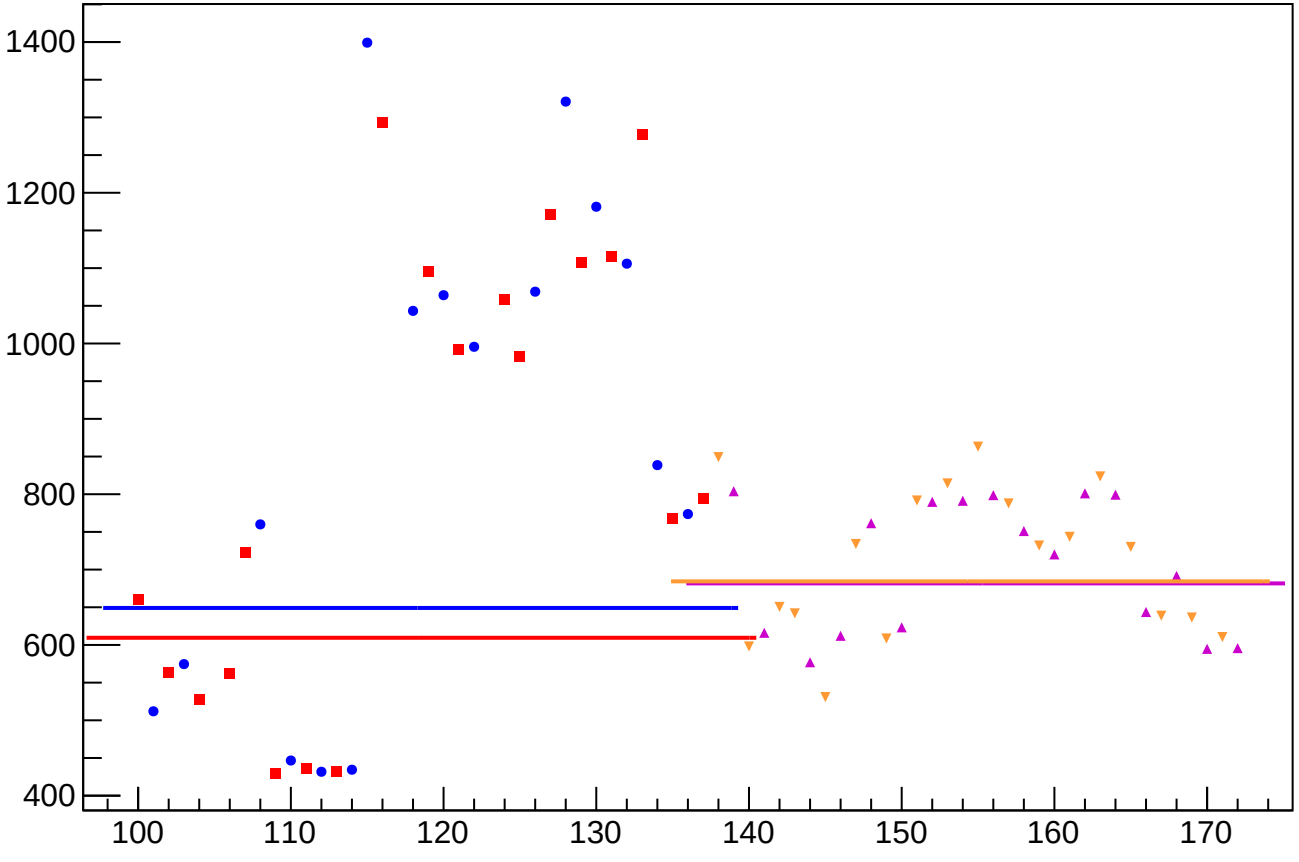
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: 2.325+/-150.126 χ^2/NDF:41.0/32

Out: 390.532+/-146.093 χ^2/NDF:68.7/36

All: 201.713+/-104.700 χ^2/NDF: 113.1/69

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 684.366+/-0.130 χ^2/NDF:553551.1/17

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 681.670+/-0.130 χ^2/NDF:429043.2/16

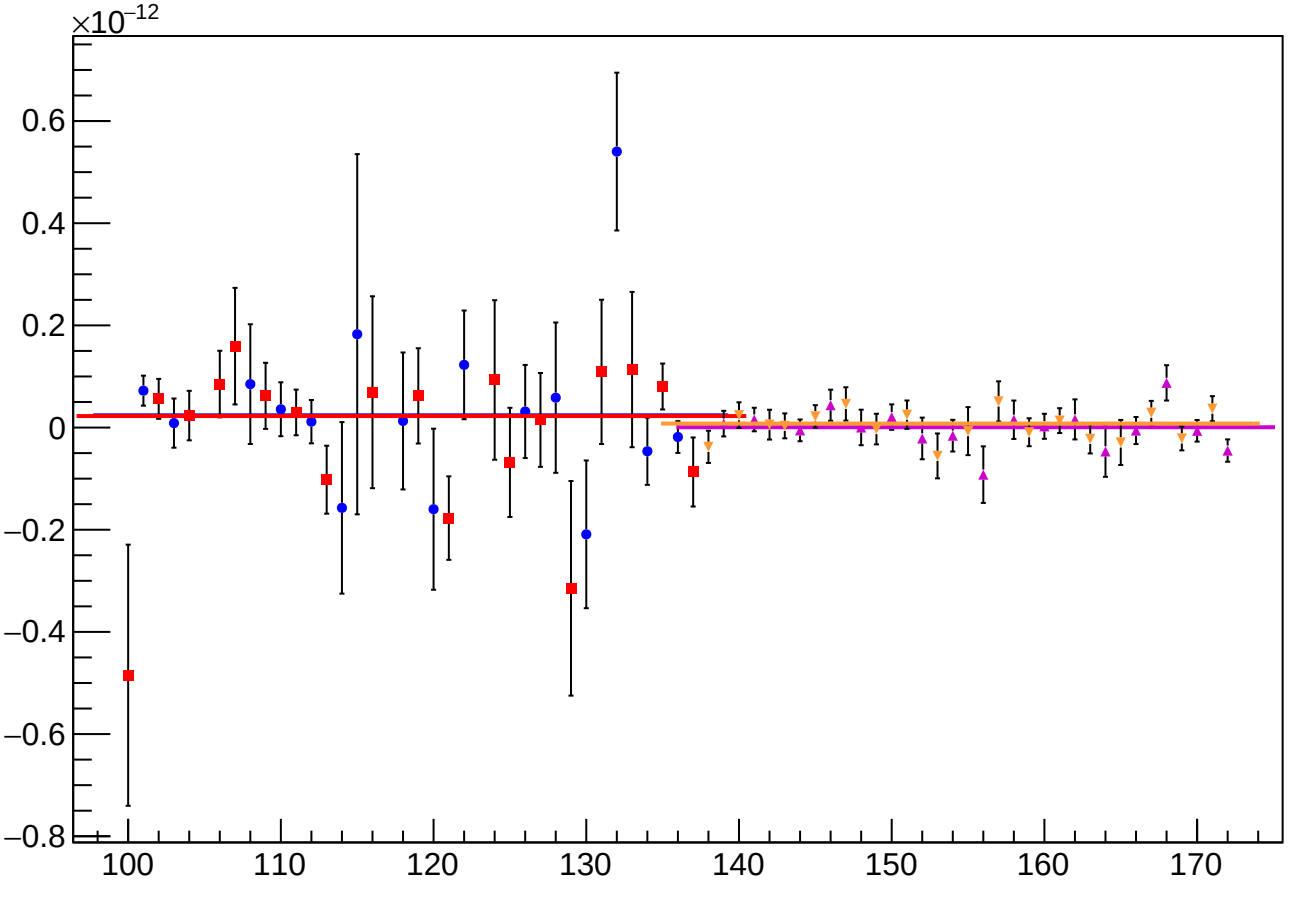
Left: 683.020+/-0.092 χ^2/NDF: 982809.4/34

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 670.791+/-0.106 χ^2/NDF:2295808.4/32

Out: 656.888+/-0.103 χ^2/NDF:2719118.4/36

All: 663.650+/-0.074 χ^2/NDF: 5023737.4/69



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

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

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: 33.6/34

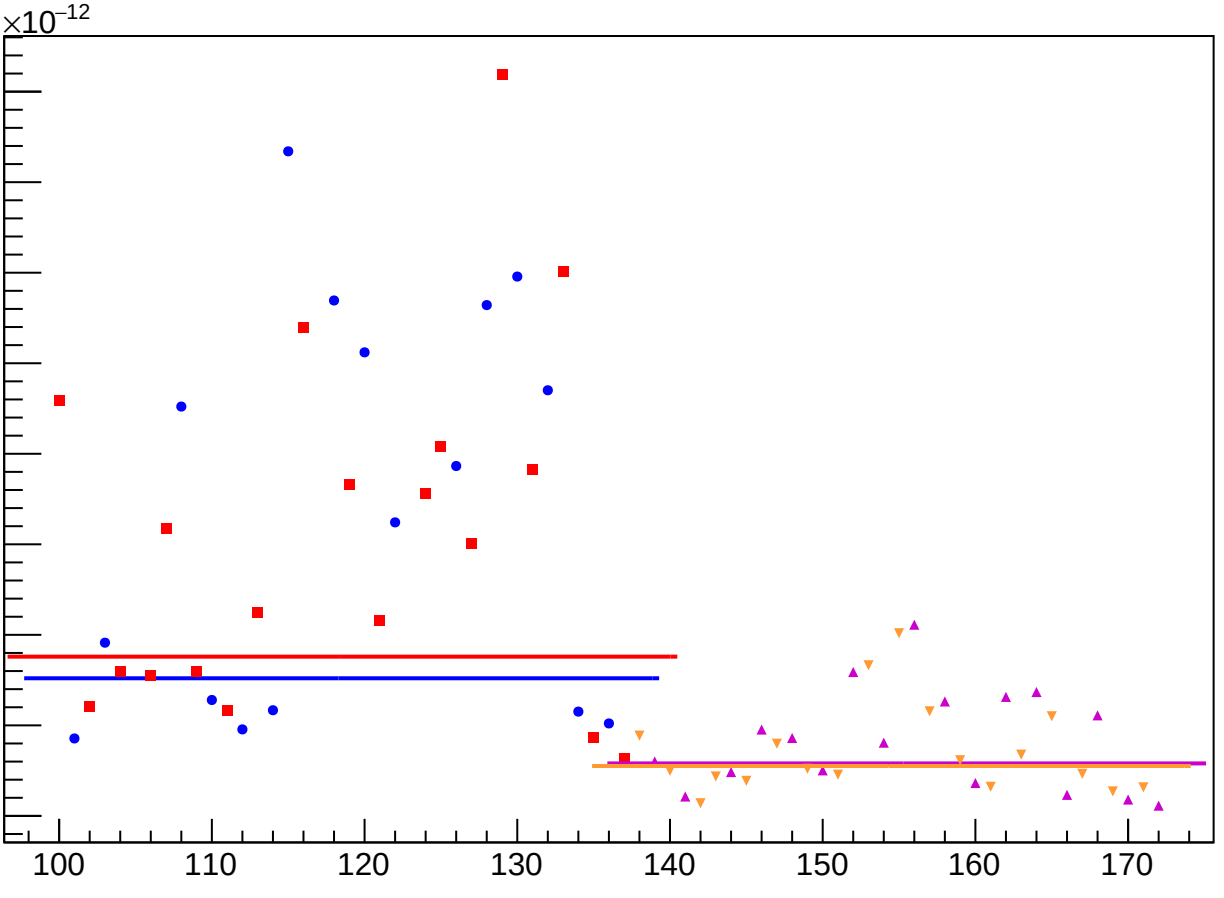
Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:44.2/32

Out: 0.000+/-0.000 χ^2/NDF:40.7/36

All: 0.000+/-0.000 χ^2/NDF: 85.3/69

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:567014.0/17

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: 1401396.3/34

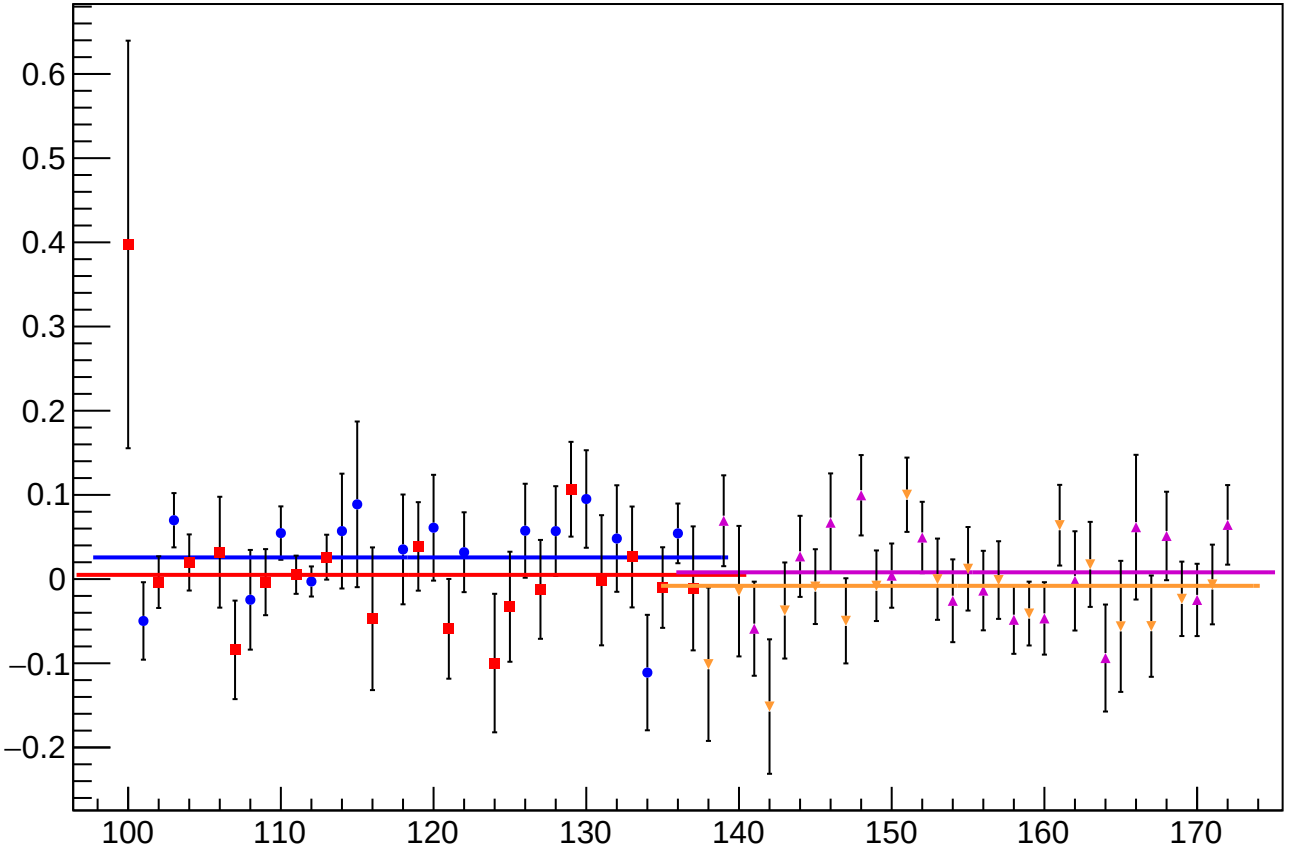
Right: 0.000+/-0.000 χ^2/NDF: 2323625.0/34

In: 0.000+/-0.000 χ^2/NDF:2779924.7/32

Out: 0.000+/-0.000 χ^2/NDF:2492764.9/36

All: 0.000+/-0.000 χ^2/NDF: 5273393.7/69

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: -0.008+/-0.012 χ^2/NDF:15.8/17

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.008+/-0.012 χ^2/NDF:18.4/16

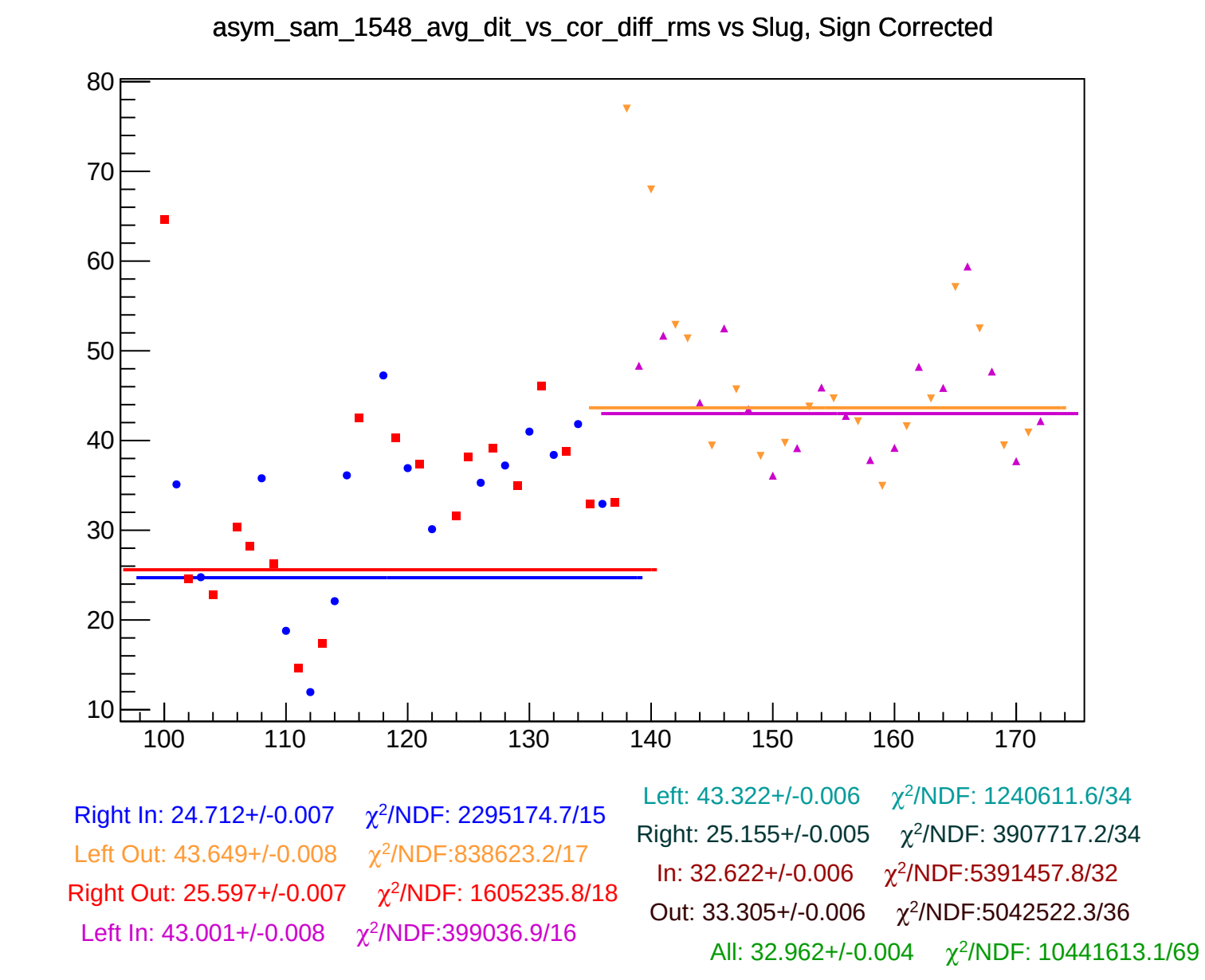
Left: 0.000+/-0.008 χ^2/NDF: 35.2/34

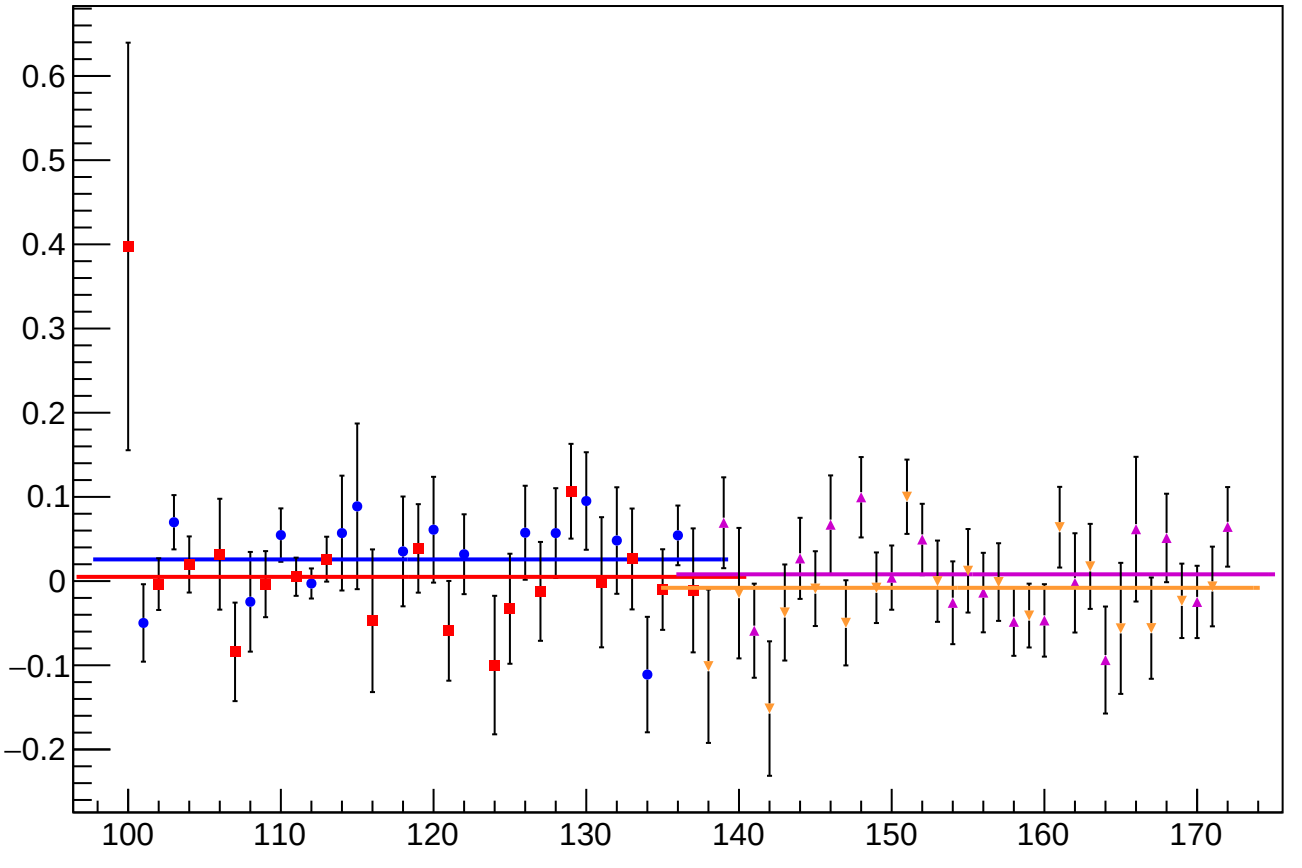
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.018+/-0.008 χ^2/NDF:36.2/32

Out: -0.001+/-0.008 χ^2/NDF:30.1/36

All: 0.009+/-0.006 χ^2/NDF: 69.2/69


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: 43.649+/-0.008 χ²/NDF:838623.2/17
Right Out: 25.597+/-0.007 χ²/NDF: 1605235.8/18
Left In: 43.001+/-0.008 χ²/NDF:399036.9/16
Left: 43.322+/-0.006 χ²/NDF: 1240611.6/34
Right: 25.155+/-0.005 χ²/NDF: 3907717.2/34
In: 32.622+/-0.006 χ²/NDF:5391457.8/32
Out: 33.305+/-0.006 χ²/NDF:5042522.3/36
All: 32.962+/-0.004 χ²/NDF: 10441613.1/69



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.008+/-0.012 χ^2/NDF:15.8/17

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.008+/-0.012 χ^2/NDF:18.4/16

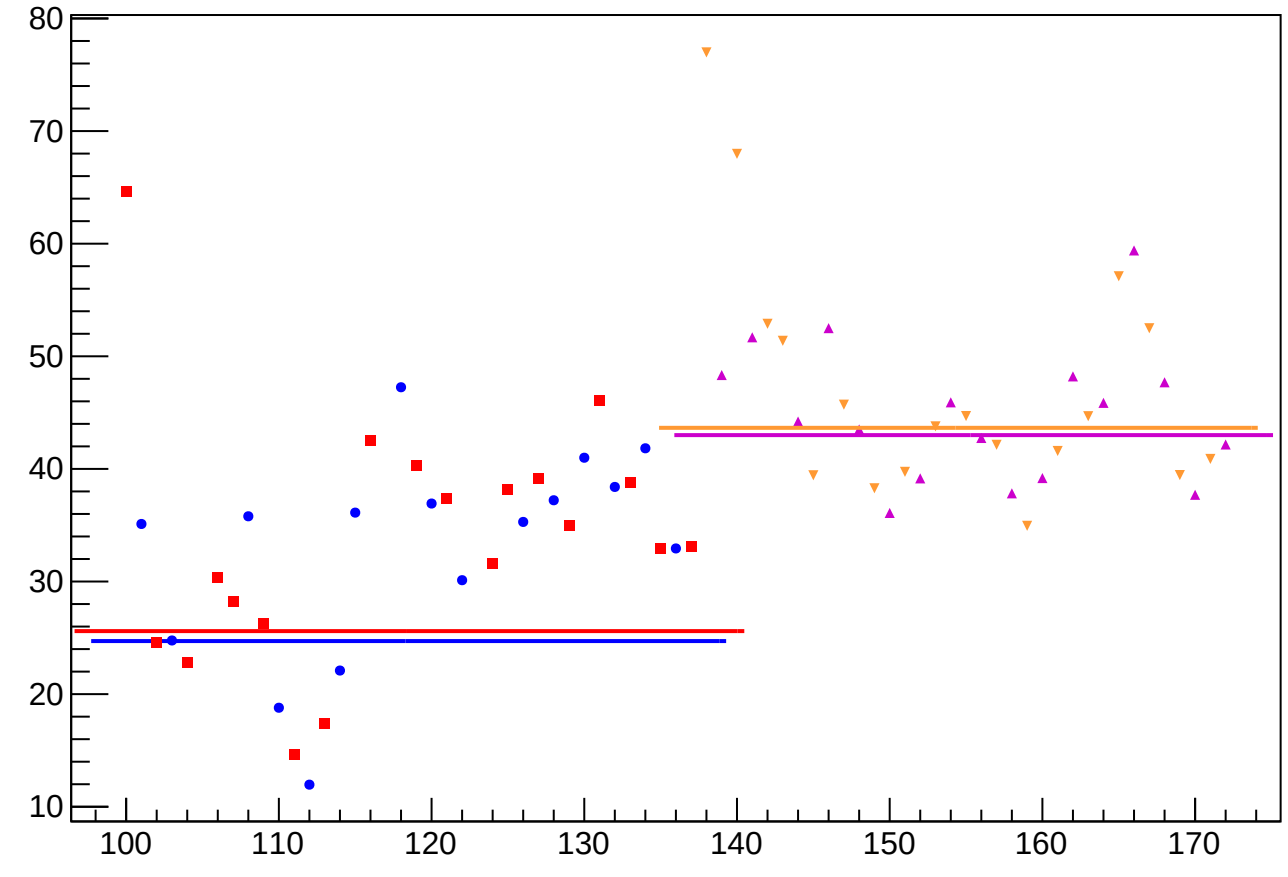
Left: 0.000+/-0.008 χ^2/NDF: 35.2/34

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:30.1/36

All: 0.009+/-0.006 χ^2/NDF: 69.2/69



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 43.649+/-0.008 χ^2/NDF:838623.2/17

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.001+/-0.008 χ^2/NDF:399036.9/16

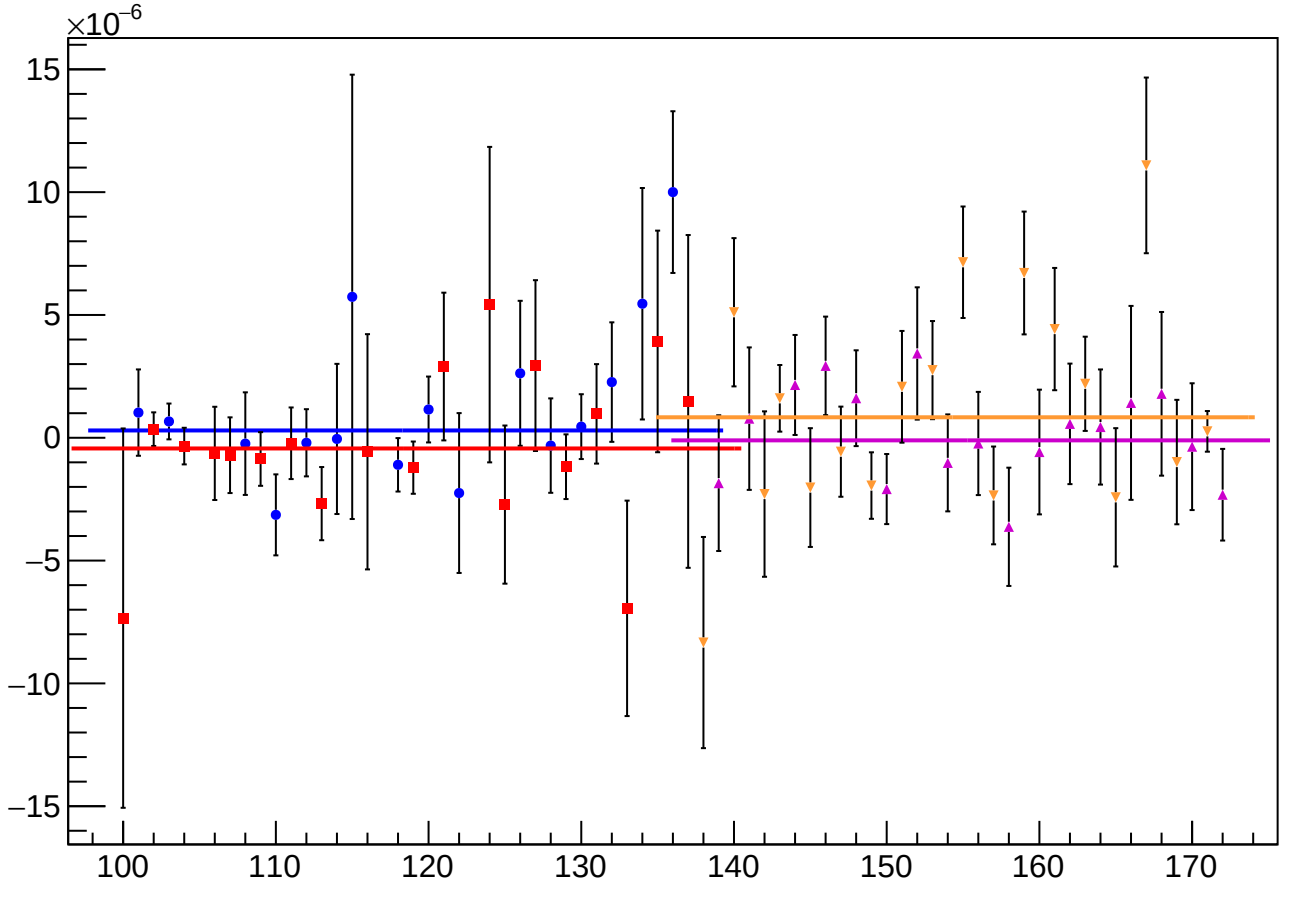
Left: 43.322+/-0.006 χ^2/NDF: 1240611.6/34

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 32.622+/-0.006 χ^2/NDF:5391457.8/32

Out: 33.305+/-0.006 χ^2/NDF:5042522.3/36

All: 32.962+/-0.004 χ^2/NDF: 10441613.1/69



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.1/17

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:12.8/16

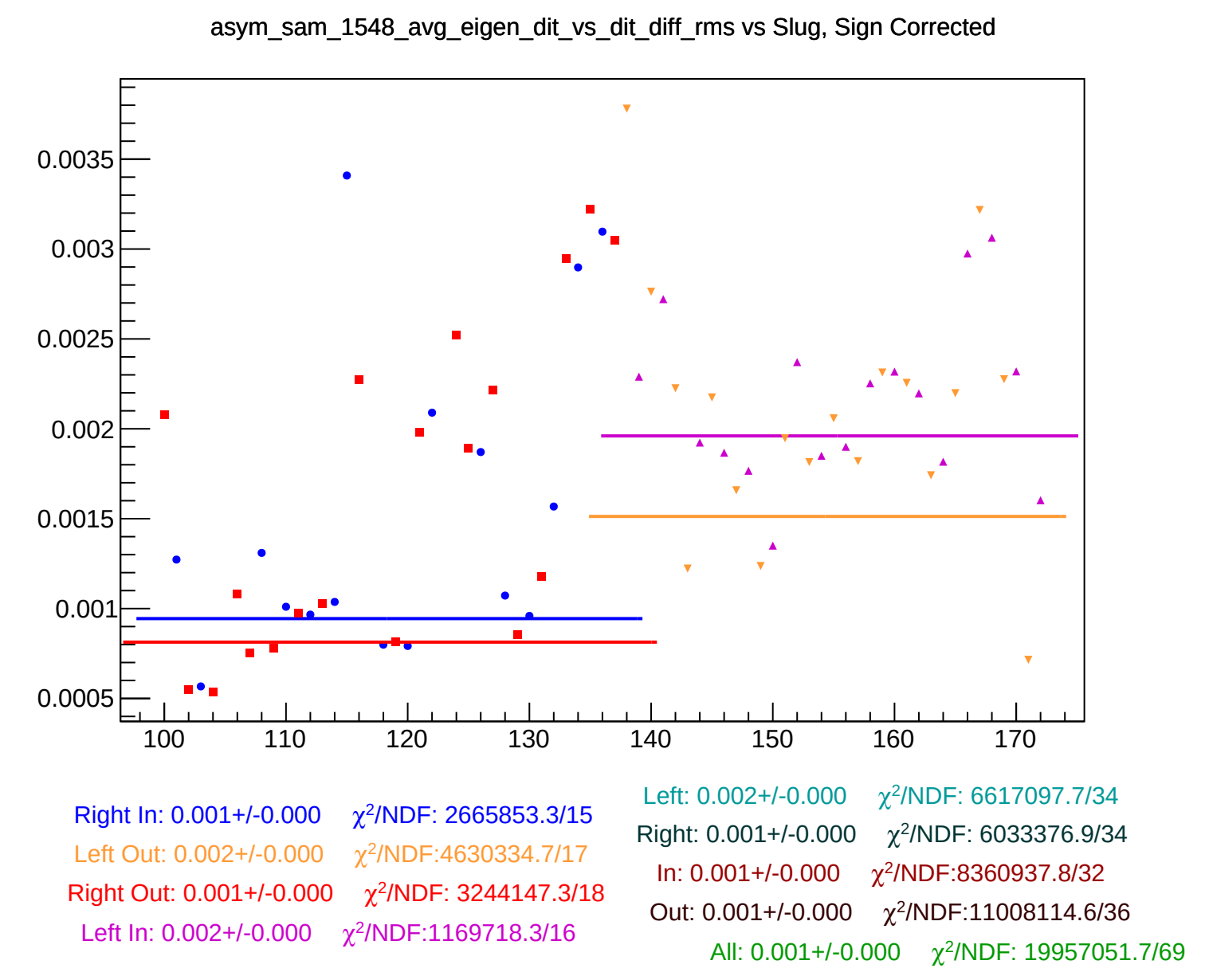
Left: 0.000+/-0.000 χ^2/NDF: 58.8/34

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

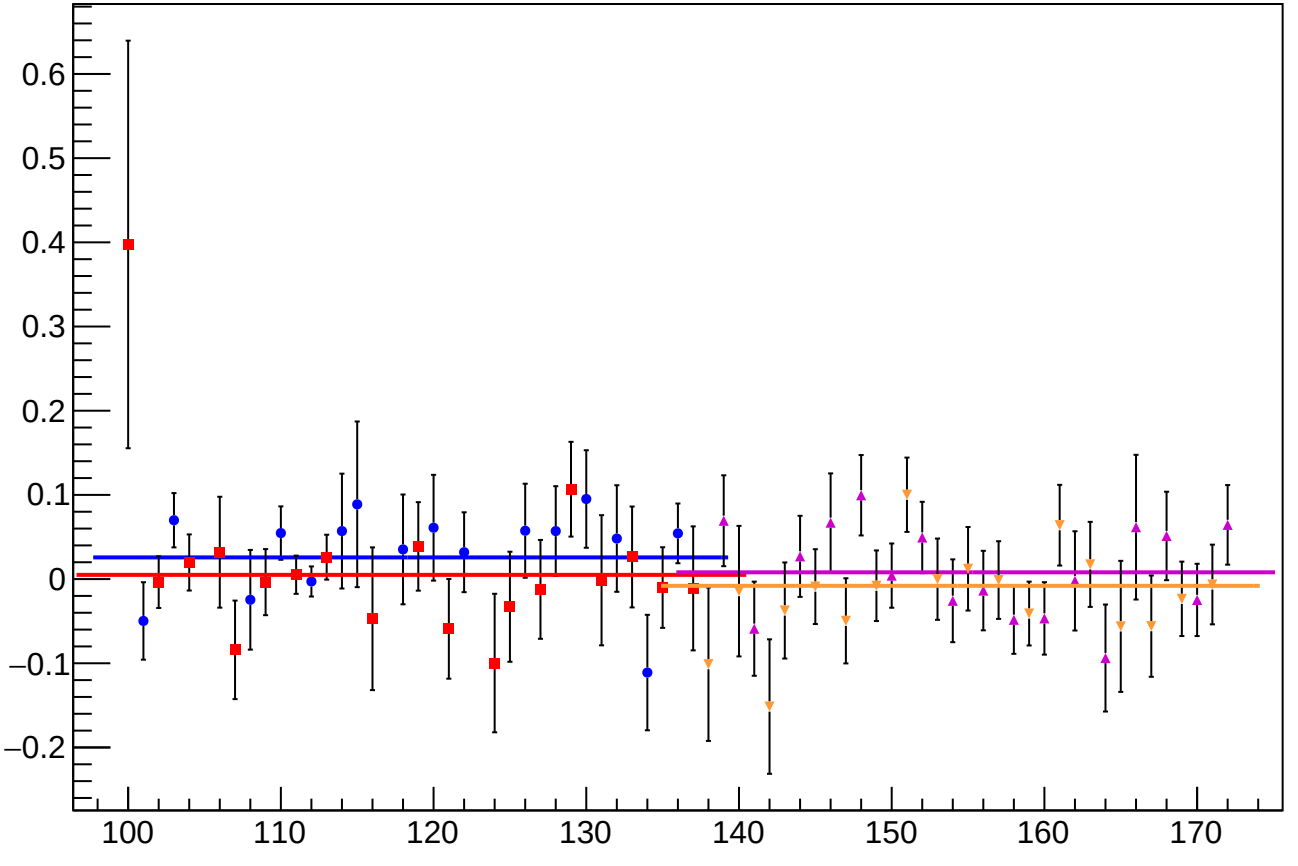
In: 0.000+/-0.000 χ^2/NDF:32.5/32

Out: 0.000+/-0.000 χ^2/NDF:62.0/36

All: 0.000+/-0.000 χ^2/NDF: 94.6/69


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:4630334.7/17
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: 6617097.7/34
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:11008114.6/36
All: 0.001+/-0.000 χ²/NDF: 19957051.7/69

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: -0.008+/-0.012 χ^2/NDF:15.8/17

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.008+/-0.012 χ^2/NDF:18.4/16

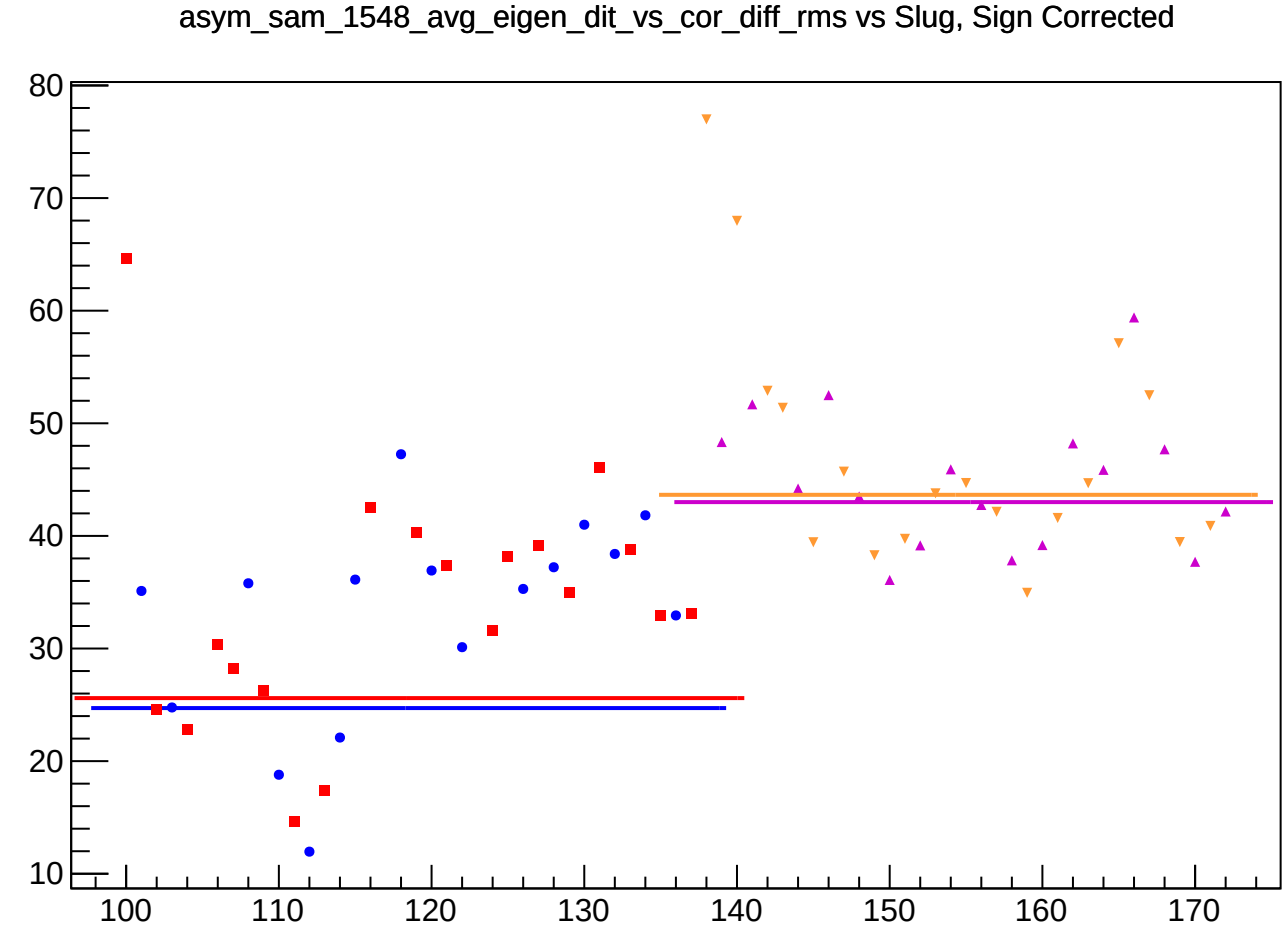
Left: 0.000+/-0.008 χ^2/NDF: 35.2/34

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:30.1/36

All: 0.009+/-0.006 χ^2/NDF: 69.2/69



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.649+/-0.008 χ^2/NDF:838617.4/17

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: 43.322+/-0.006 χ^2/NDF: 1240601.1/34

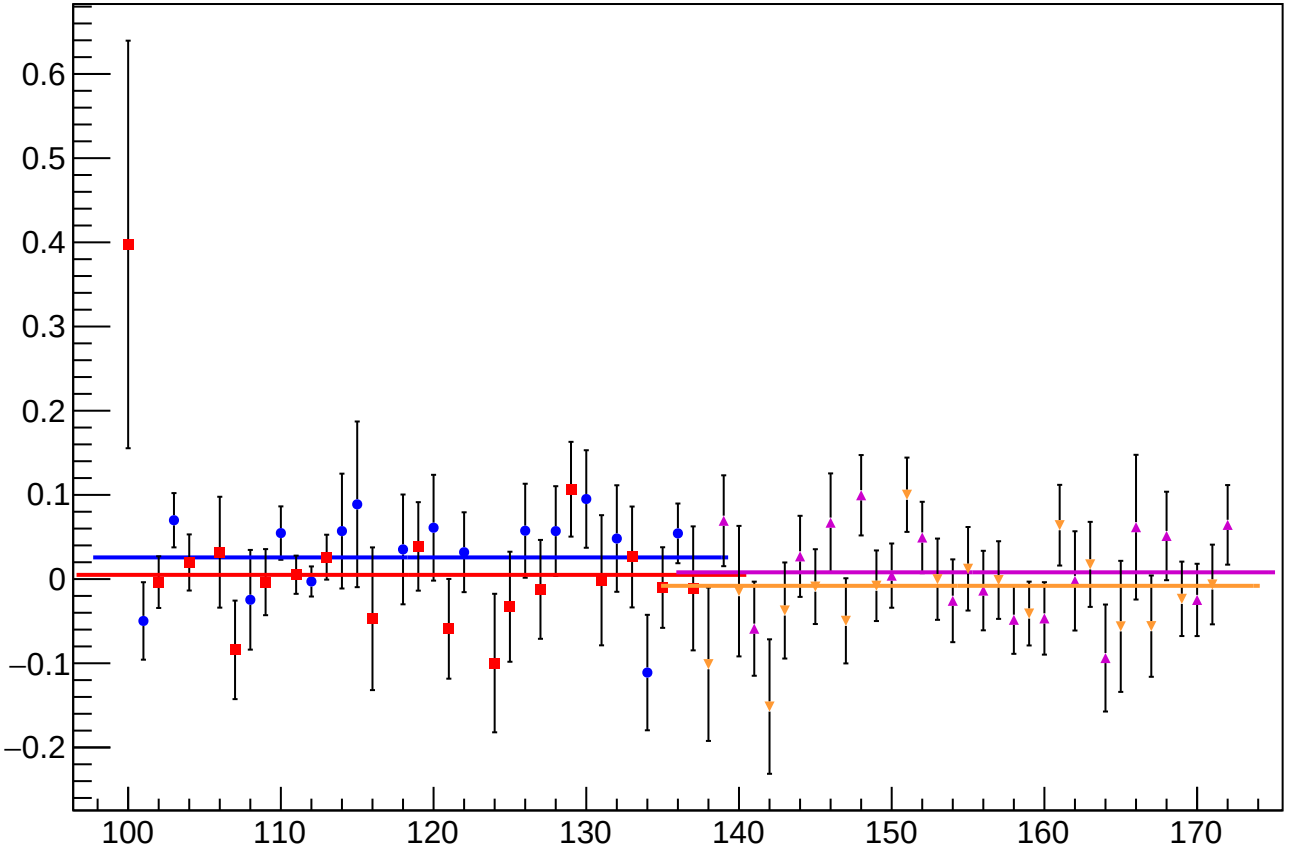
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 32.622+/-0.006 χ^2/NDF:5391921.8/32

Out: 33.305+/-0.006 χ^2/NDF:5042881.7/36

All: 32.962+/-0.004 χ^2/NDF: 10442439.1/69

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: -0.008+/-0.012 χ^2/NDF:15.8/17

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.008+/-0.012 χ^2/NDF:18.4/16

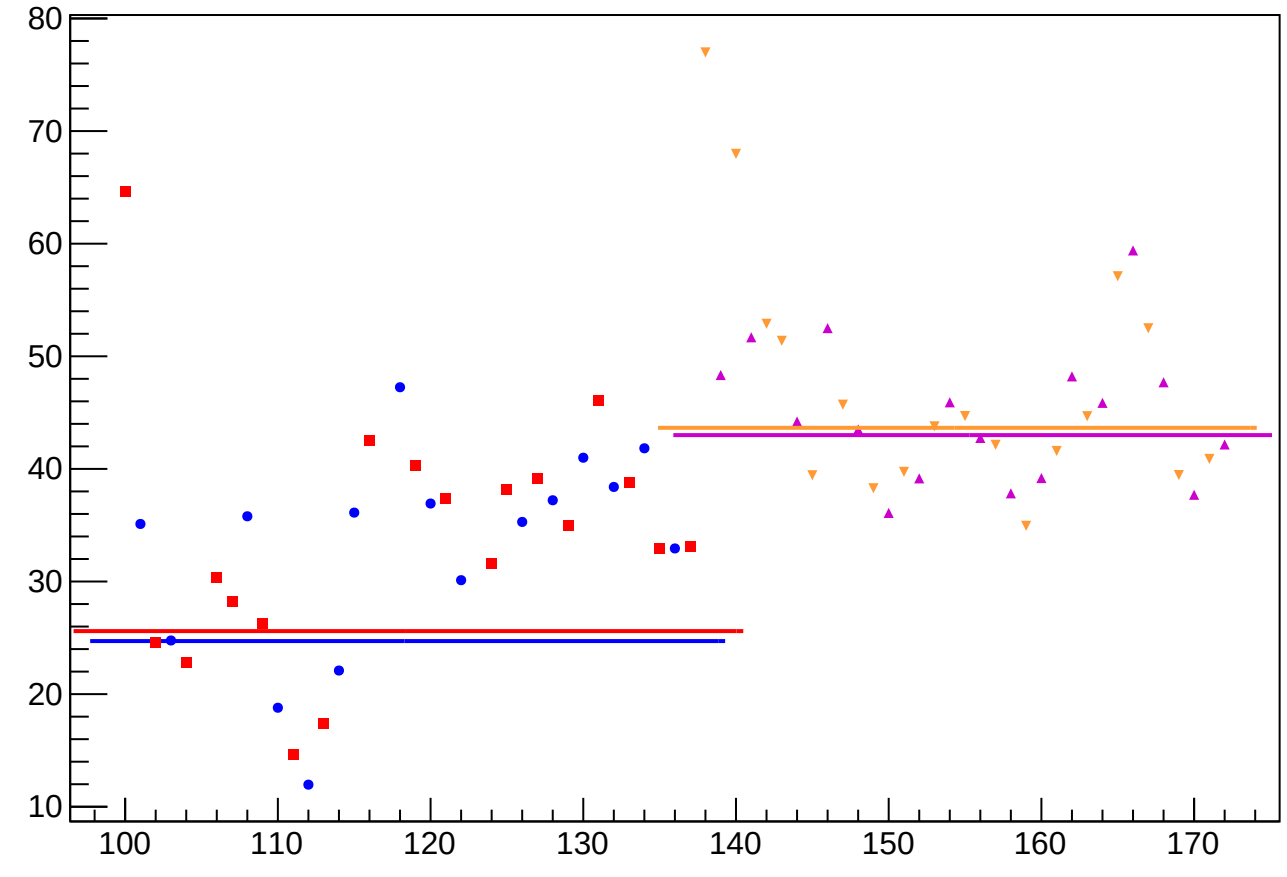
Left: 0.000+/-0.008 χ^2/NDF: 35.2/34

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:30.1/36

All: 0.009+/-0.006 χ^2/NDF: 69.2/69



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.649+/-0.008 χ^2/NDF:838617.4/17

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.001+/-0.008 χ^2/NDF:399032.9/16

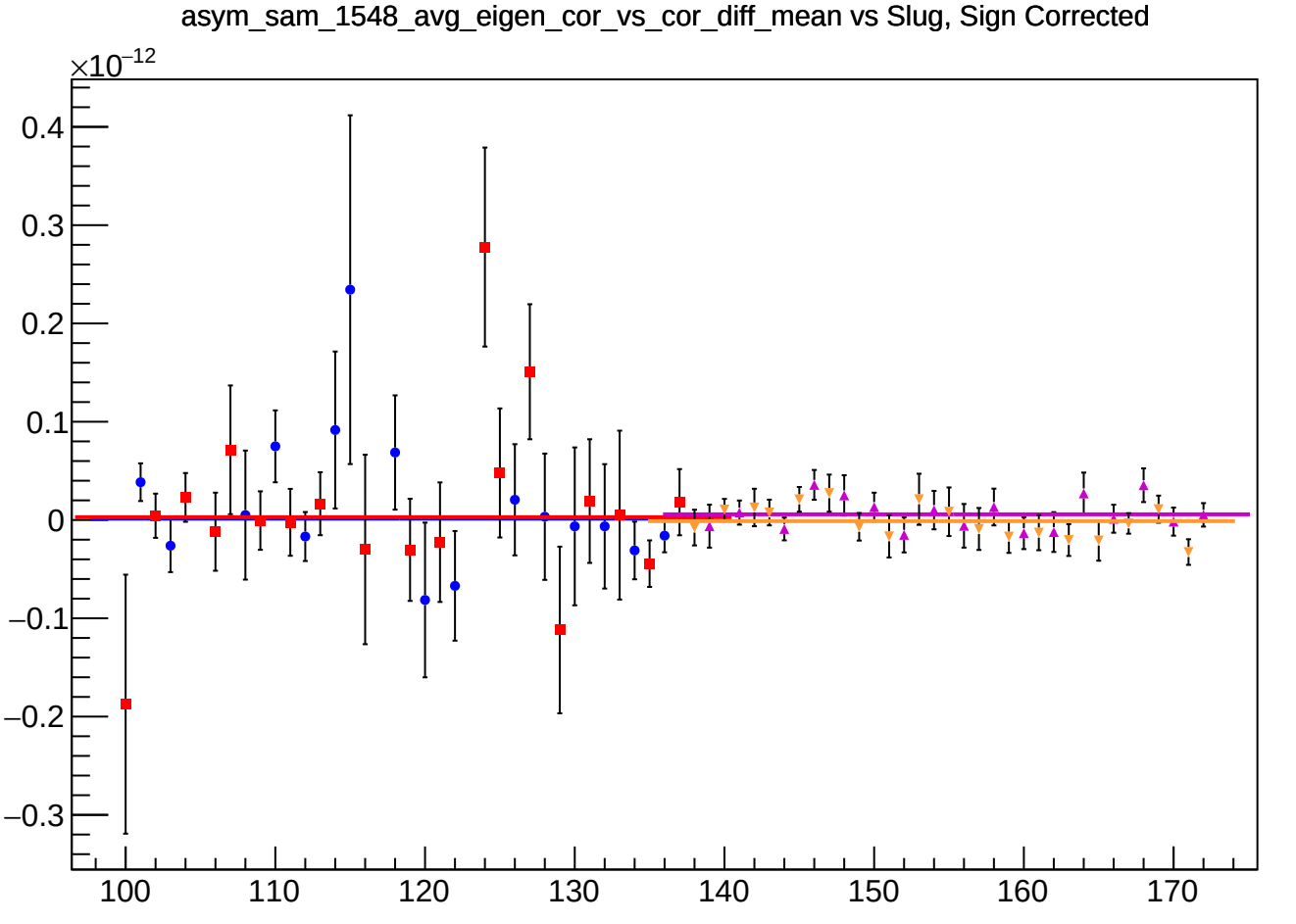
Left: 43.322+/-0.006 χ^2/NDF: 1240601.1/34

Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

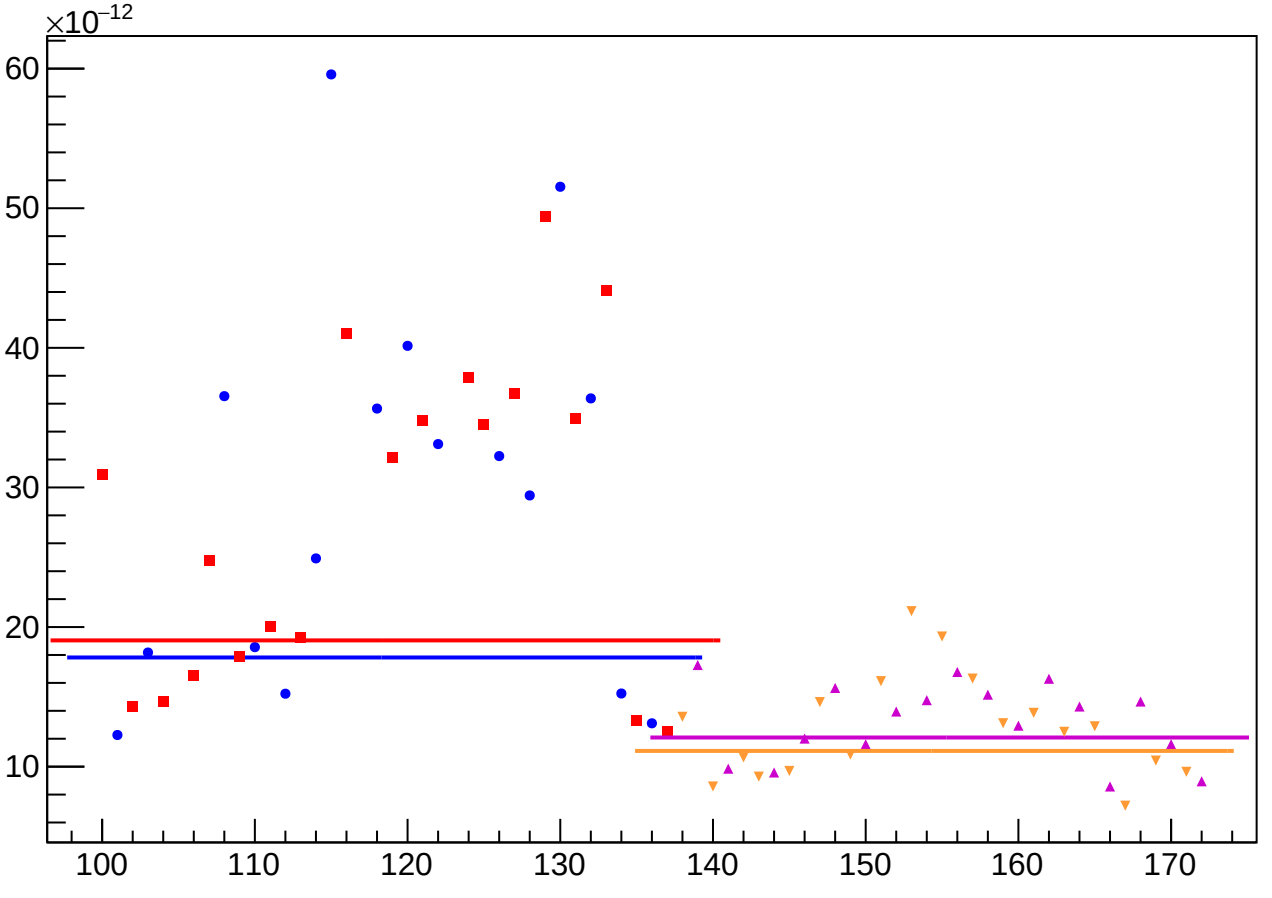
In: 32.622+/-0.006 χ^2/NDF:5391921.8/32

Out: 33.305+/-0.006 χ^2/NDF:5042881.7/36

All: 32.962+/-0.004 χ^2/NDF: 10442439.1/69


asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
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: 0.000+/-0.000 χ²/NDF: 18.7/15
Left Out: -0.000+/-0.000 χ²/NDF:19.7/17
Right Out: 0.000+/-0.000 χ²/NDF: 23.5/18
Left In: 0.000+/-0.000 χ²/NDF:15.4/16
Left: 0.000+/-0.000 χ²/NDF: 36.8/34
Right: 0.000+/-0.000 χ²/NDF: 42.2/34
In: 0.000+/-0.000 χ²/NDF:34.3/32
Out: -0.000+/-0.000 χ²/NDF:43.3/36
All: 0.000+/-0.000 χ²/NDF: 79.0/69

asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1869965.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1444533.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1620721.2/18

Left In: 0.000+/-0.000 χ^2/NDF:957594.1/16

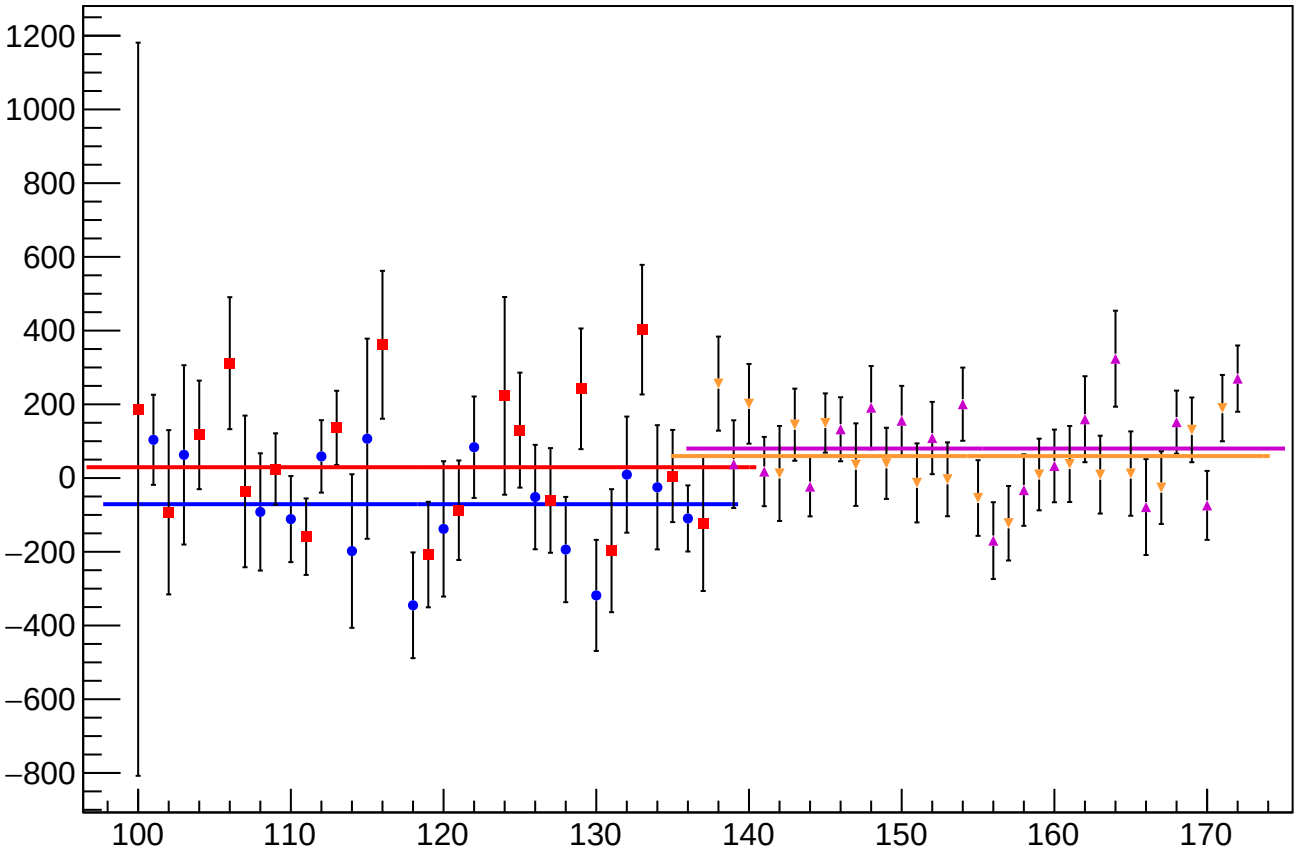
Left: 0.000+/-0.000 χ^2/NDF: 2467484.9/34

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:4360792.9/36

All: 0.000+/-0.000 χ^2/NDF: 7973345.1/69



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 59.606+/-23.869 χ^2/NDF:15.9/17

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: 69.785+/-16.932 χ^2/NDF: 42.6/34

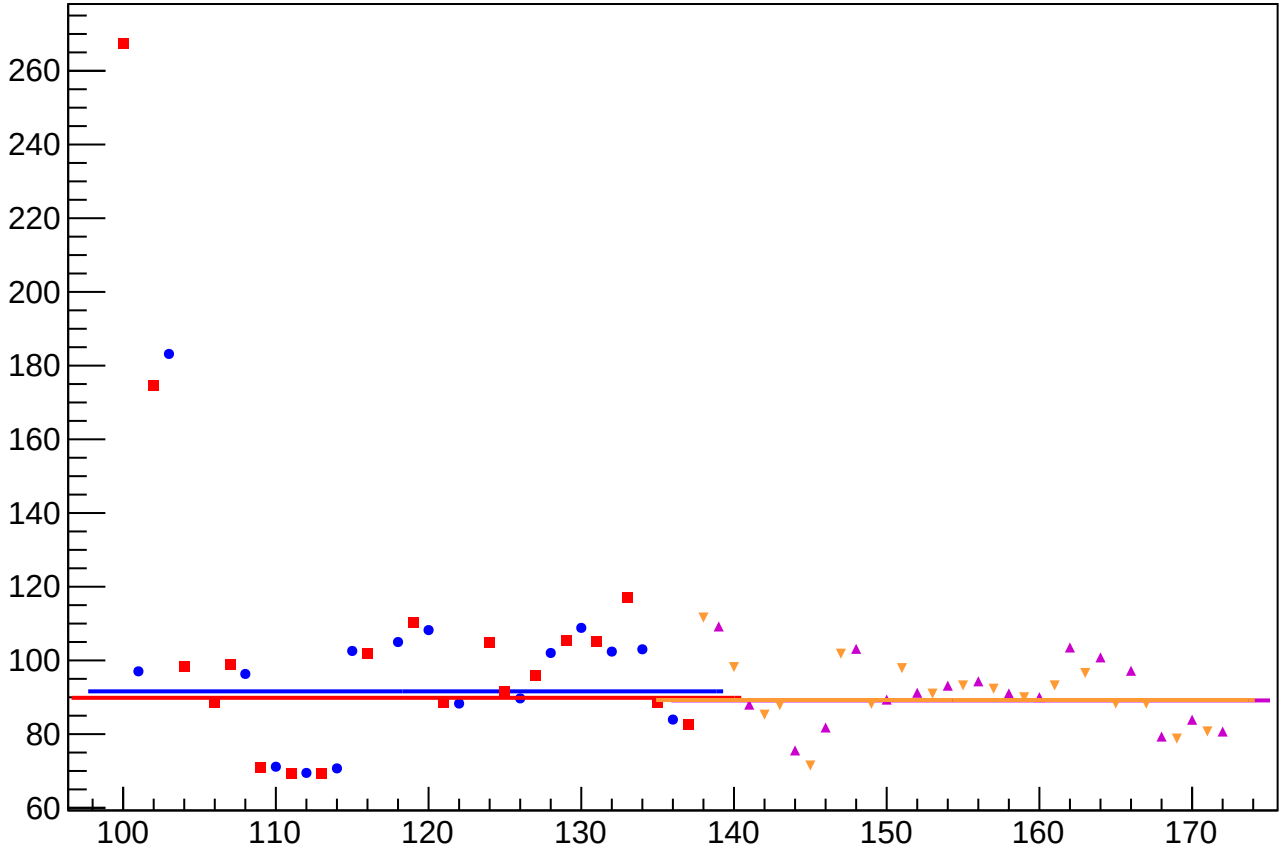
Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 31.975+/-19.828 χ^2/NDF:53.0/32

Out: 49.732+/-19.581 χ^2/NDF:40.4/36

All: 40.964+/-13.932 χ^2/NDF: 93.8/69

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 89.261+/-0.017 χ^2/NDF:278613.0/17

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: 89.202+/-0.012 χ^2/NDF: 551590.7/34

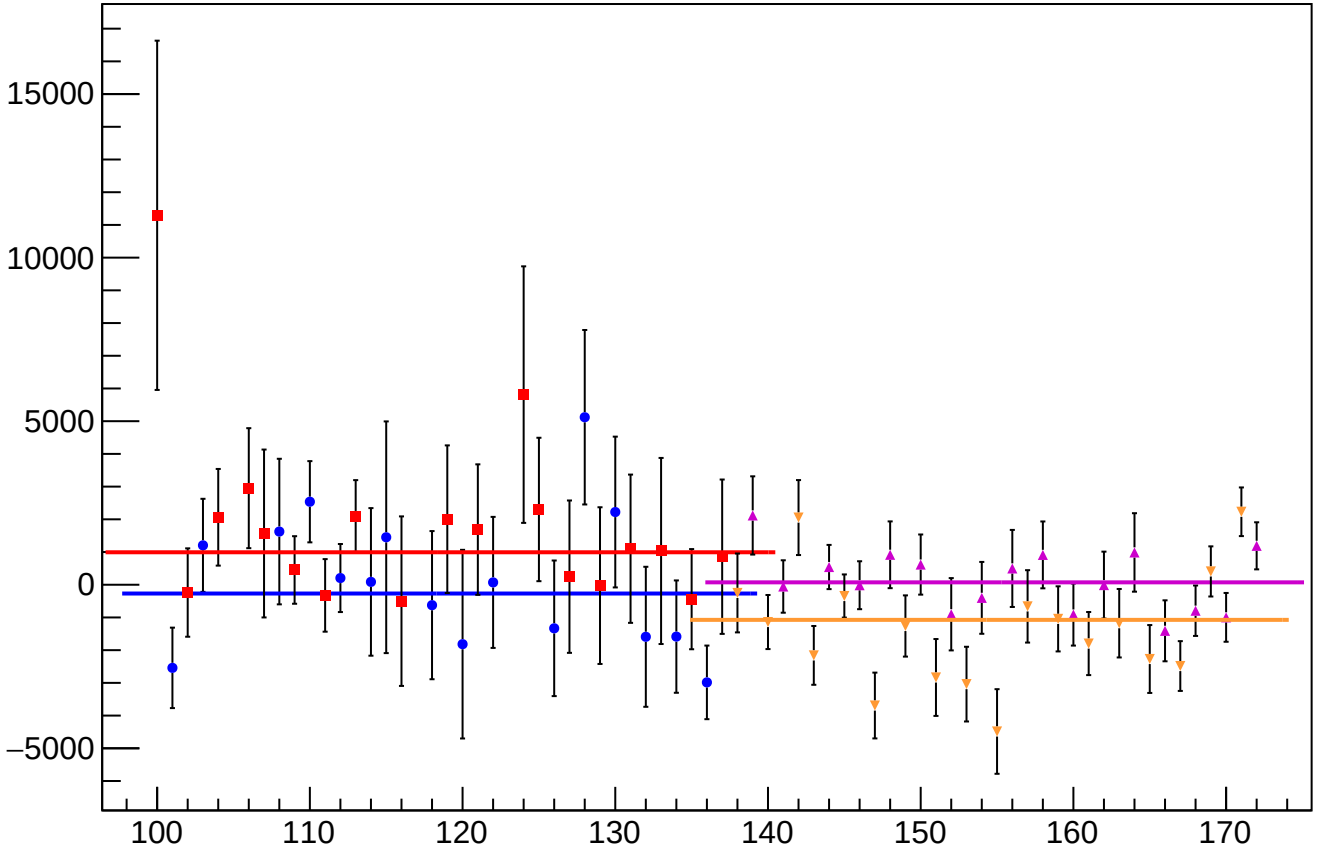
Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 89.929+/-0.014 χ^2/NDF:860337.4/32

Out: 89.455+/-0.014 χ^2/NDF:1025306.2/36

All: 89.689+/-0.010 χ^2/NDF: 1886221.1/69

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: -1073.725+/-220.087 χ^2/NDF:58.5/17

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: -493.998+/-154.770 χ^2/NDF: 88.4/34

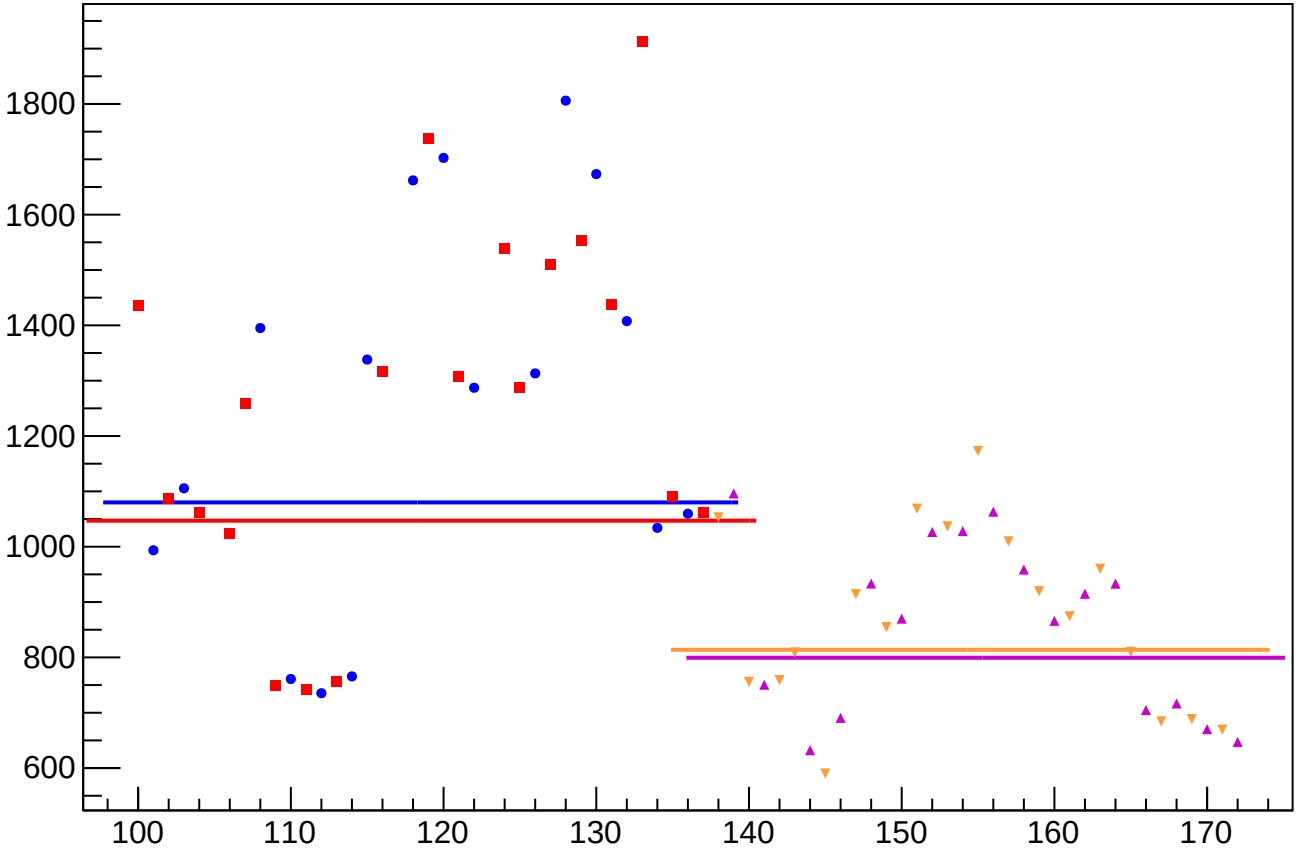
Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 0.709+/-193.231 χ^2/NDF:40.1/32

Out: -595.040+/-192.918 χ^2/NDF:91.6/36

All: -297.648+/-136.524 χ^2/NDF: 136.5/69

asym_sam_3748_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 813.717+/-0.156 χ^2/NDF:990421.6/17

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 799.370+/-0.154 χ^2/NDF:916740.4/16

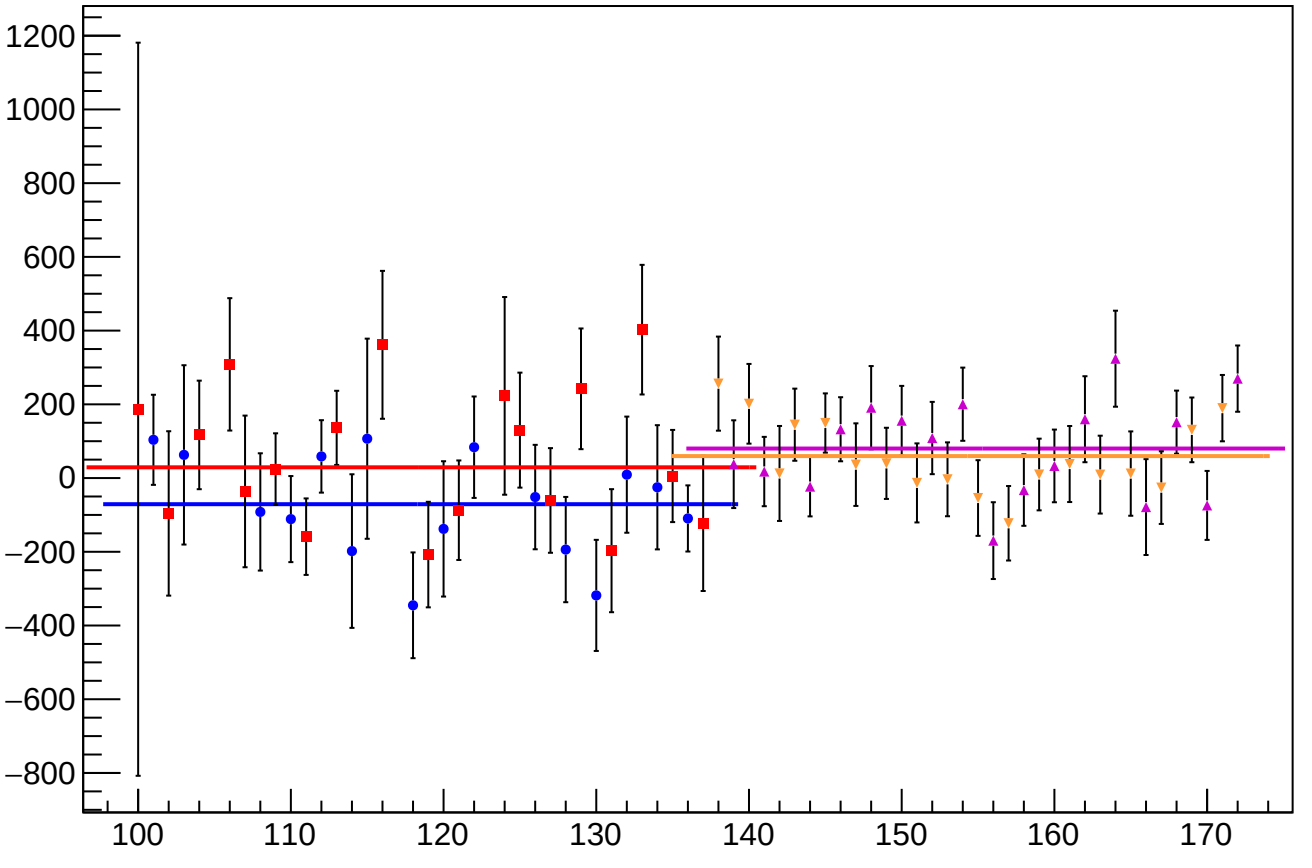
Left: 806.465+/-0.109 χ^2/NDF: 1911458.2/34

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 858.899+/-0.137 χ^2/NDF:2675370.0/32

Out: 867.773+/-0.136 χ^2/NDF:2709899.1/36

All: 863.343+/-0.097 χ^2/NDF: 5387381.7/69



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 59.608+/-23.869 χ^2/NDF:15.9/17

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 80.094+/-24.022 χ^2/NDF:26.4/16

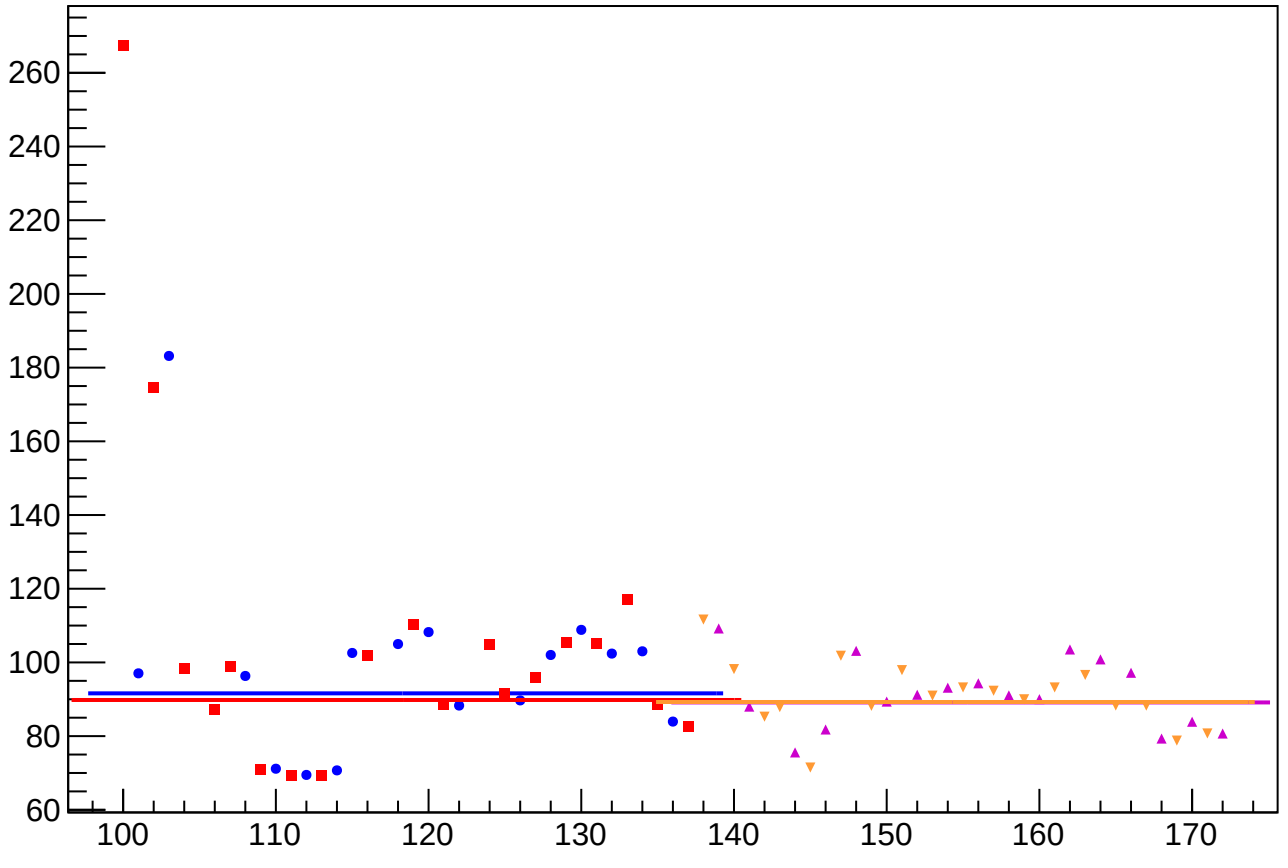
Left: 69.786+/-16.932 χ^2/NDF: 42.6/34

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 31.971+/-19.828 χ^2/NDF:53.0/32

Out: 49.653+/-19.582 χ^2/NDF:40.4/36

All: 40.922+/-13.933 χ^2/NDF: 93.8/69



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.261+/-0.017 χ^2/NDF:278613.0/17

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: 89.202+/-0.012 χ^2/NDF: 551590.7/34

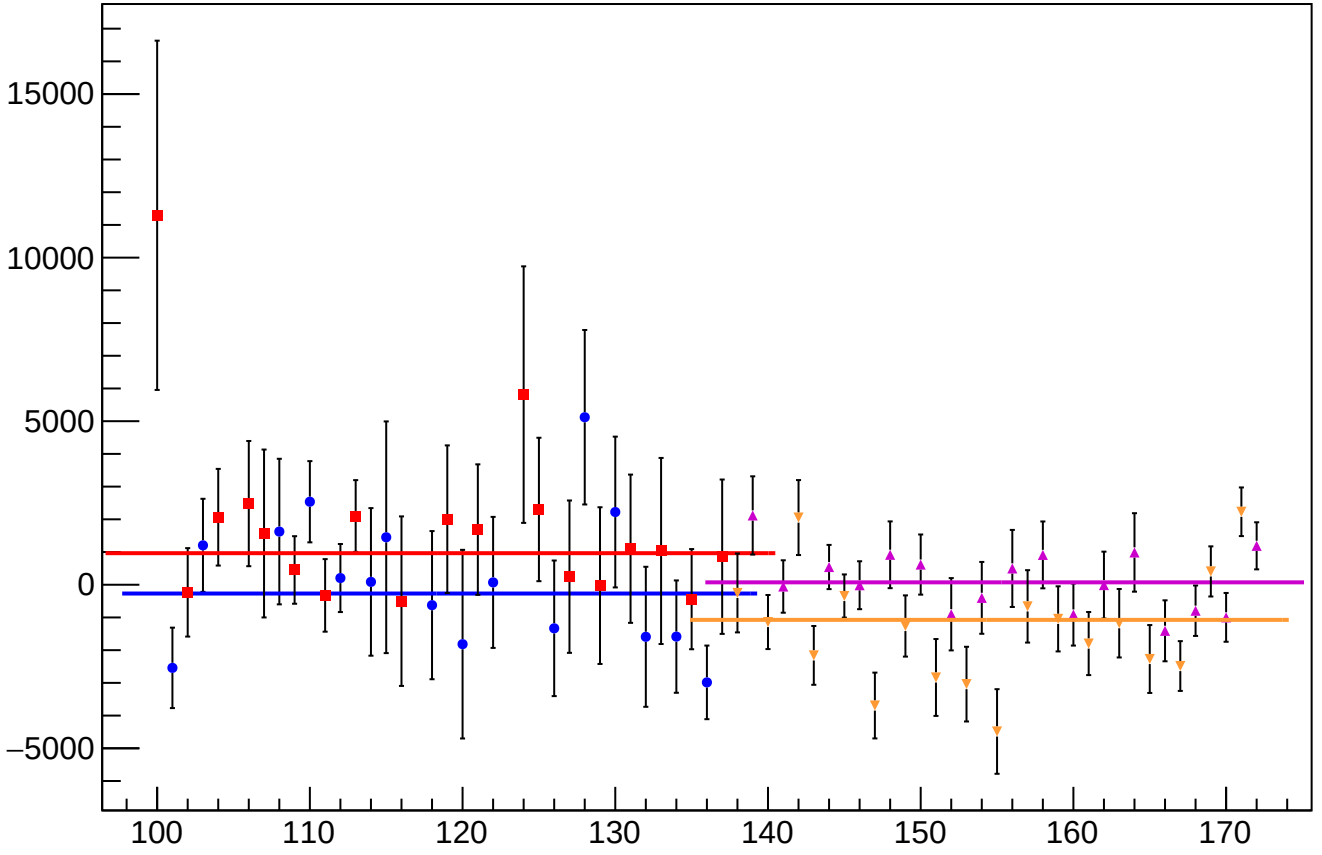
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 89.929+/-0.014 χ^2/NDF:860340.5/32

Out: 89.440+/-0.014 χ^2/NDF:1025788.4/36

All: 89.681+/-0.010 χ^2/NDF: 1886745.0/69

asym_sam_3748_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1073.720+/-220.087 χ^2/NDF:58.5/17

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 73.178+/-217.690 χ^2/NDF:16.2/16

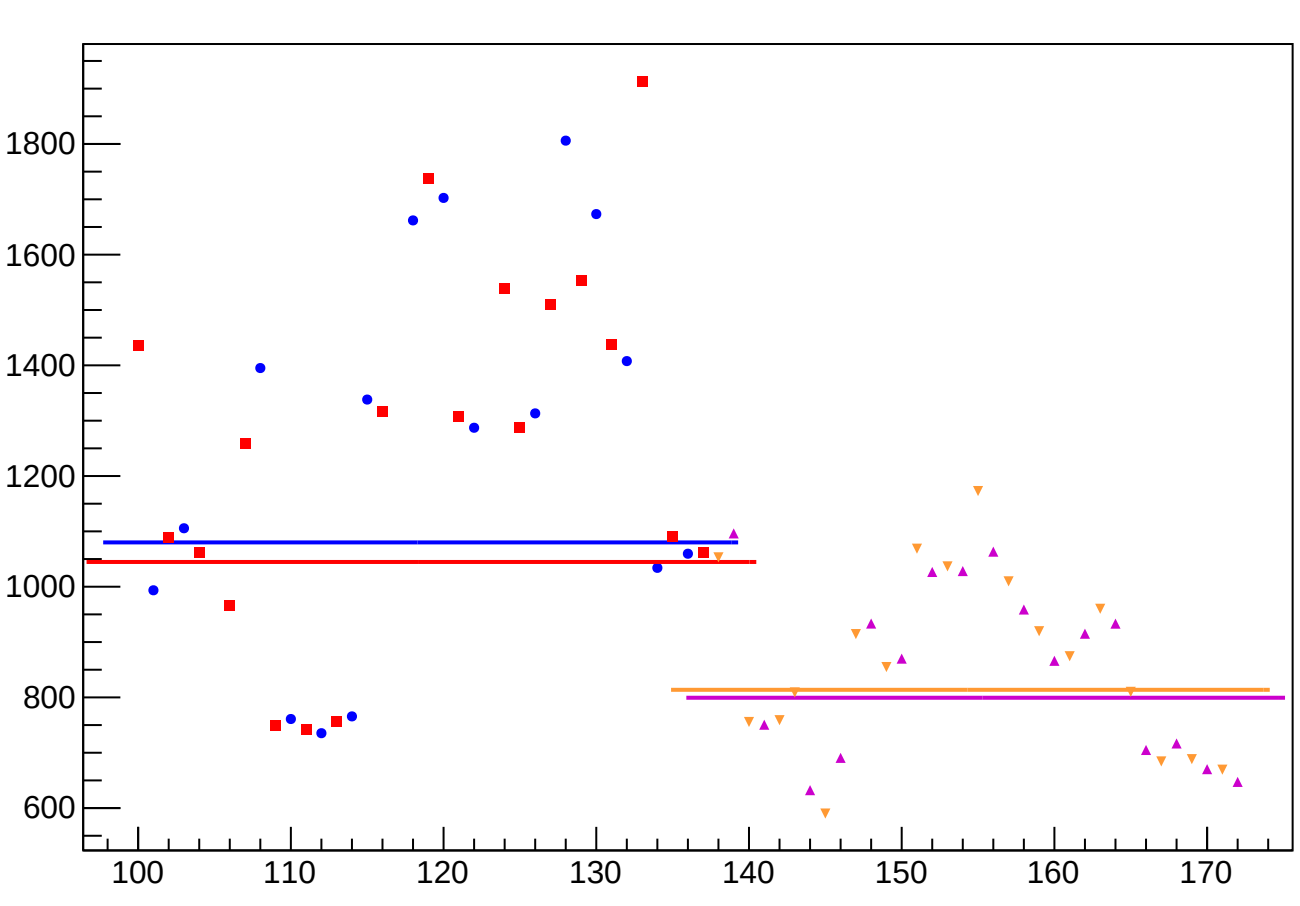
Left: -493.993+/-154.770 χ^2/NDF: 88.4/34

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 0.710+/-193.231 χ^2/NDF:40.1/32

Out: -602.910+/-193.008 χ^2/NDF:90.5/36

All: -301.449+/-136.556 χ^2/NDF: 135.5/69



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 813.717+/-0.156 χ^2/NDF:990425.0/17

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 799.370+/-0.154 χ^2/NDF:916739.8/16

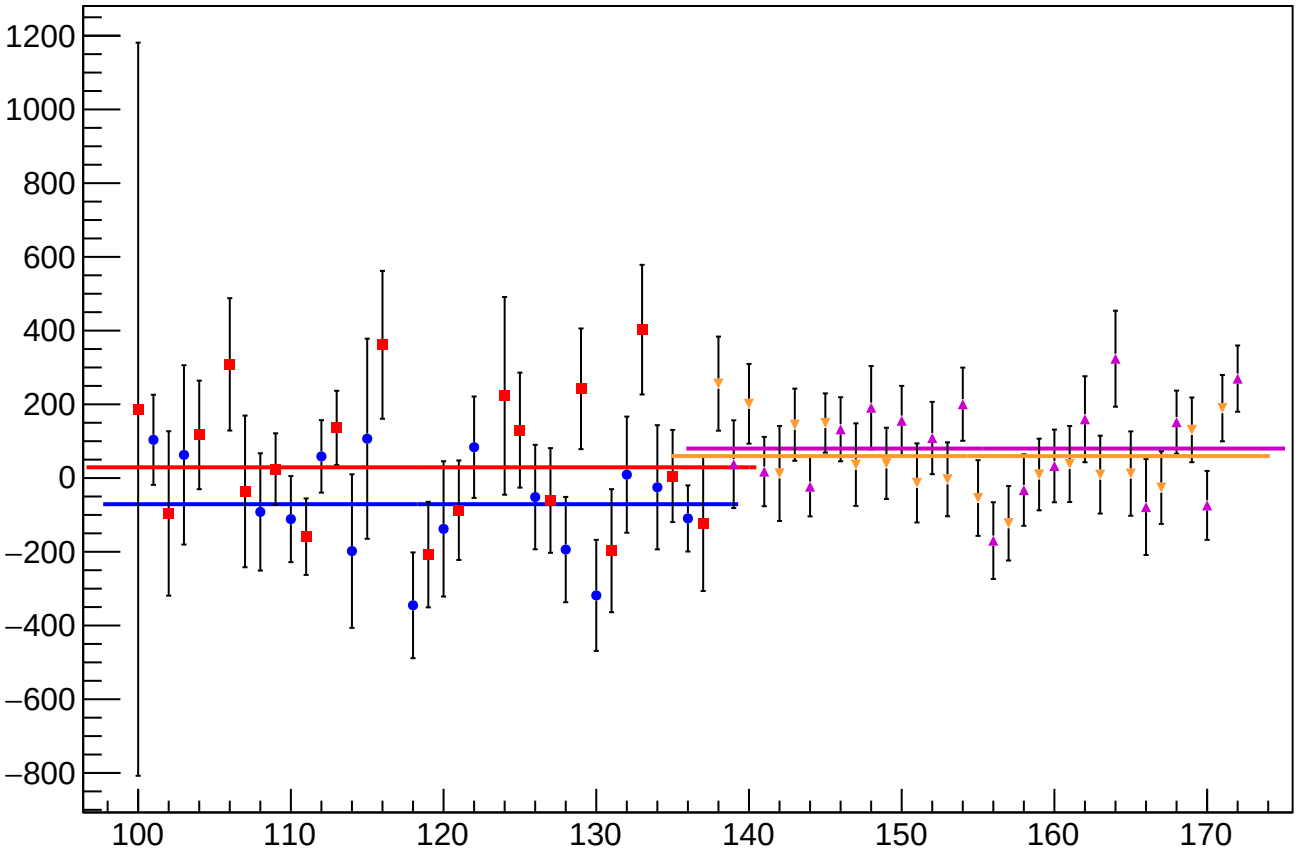
Left: 806.465+/-0.109 χ^2/NDF: 1911460.7/34

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 858.900+/-0.137 χ^2/NDF:2675409.8/32

Out: 867.063+/-0.136 χ^2/NDF:2701062.9/36

All: 862.986+/-0.097 χ^2/NDF: 5378259.2/69



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 59.608+/-23.869 χ^2/NDF:15.9/17

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 80.094+/-24.022 χ^2/NDF:26.4/16

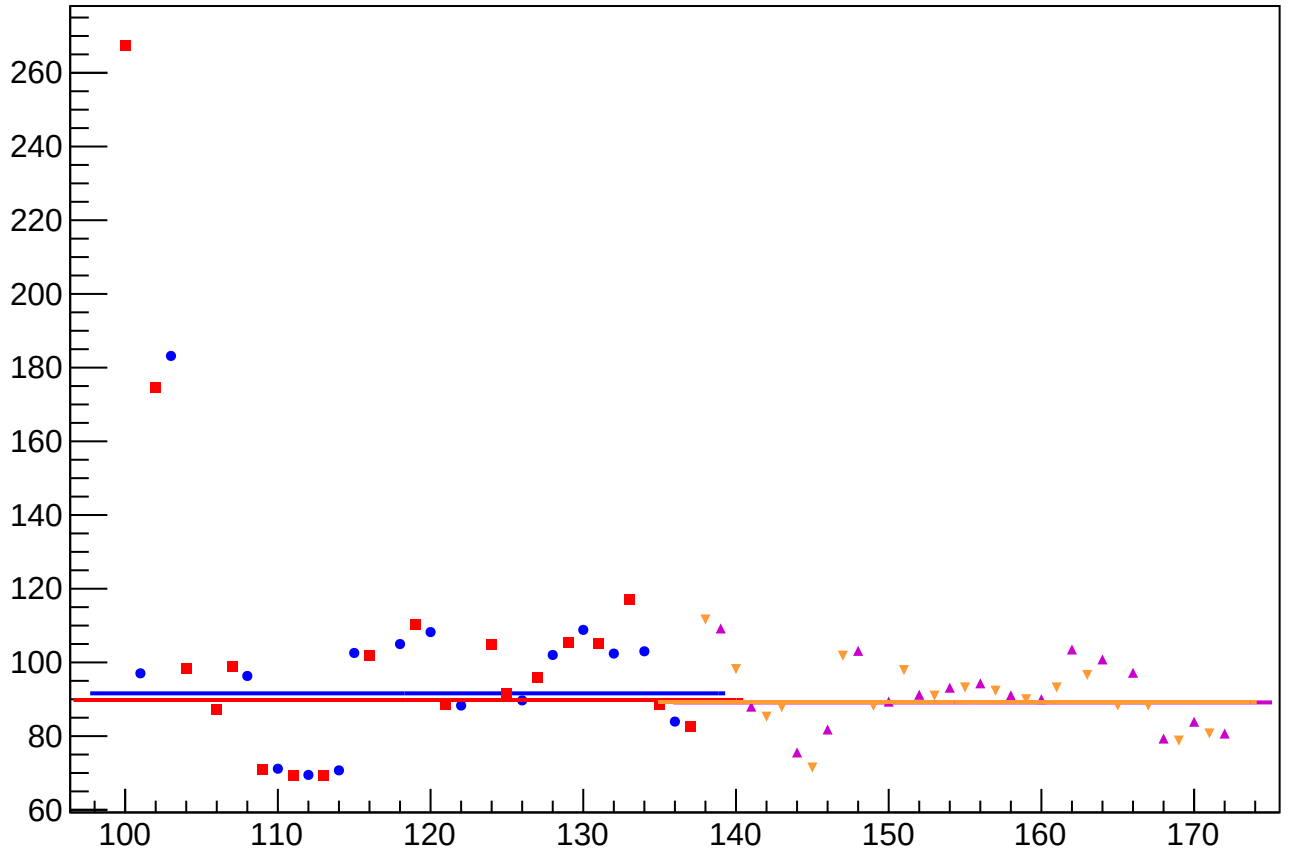
Left: 69.786+/-16.932 χ^2/NDF: 42.6/34

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 31.971+/-19.828 χ^2/NDF:53.0/32

Out: 49.653+/-19.582 χ^2/NDF:40.4/36

All: 40.922+/-13.933 χ^2/NDF: 93.8/69



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 89.261+/-0.017 χ^2/NDF:278613.0/17

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: 89.202+/-0.012 χ^2/NDF: 551590.7/34

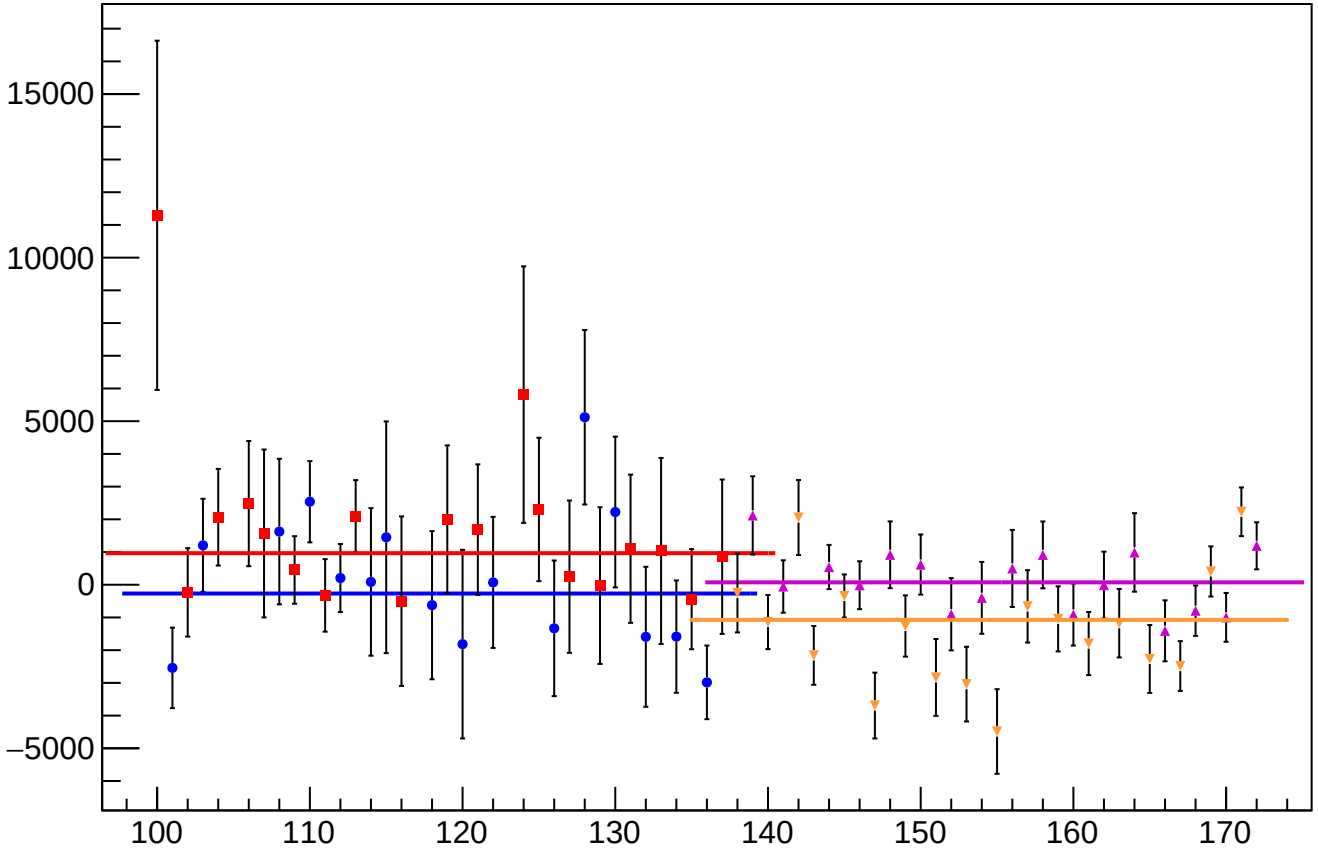
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 89.929+/-0.014 χ^2/NDF:860340.5/32

Out: 89.440+/-0.014 χ^2/NDF:1025788.4/36

All: 89.681+/-0.010 χ^2/NDF: 1886745.0/69

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: -1073.720+/-220.087 χ^2/NDF:58.5/17

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: -493.993+/-154.770 χ^2/NDF: 88.4/34

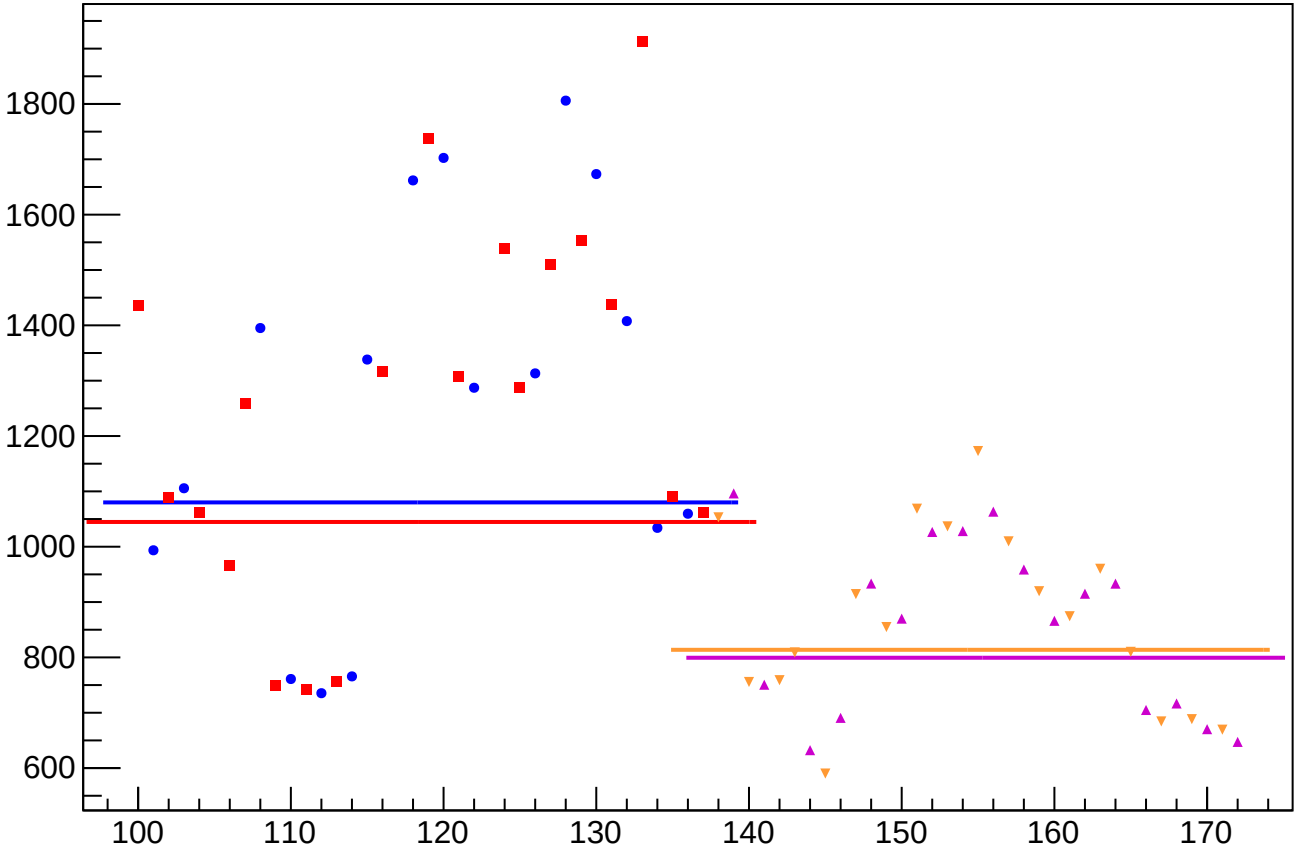
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 0.710+/-193.231 χ^2/NDF:40.1/32

Out: -602.910+/-193.008 χ^2/NDF:90.5/36

All: -301.449+/-136.556 χ^2/NDF: 135.5/69

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 813.717+/-0.156 χ^2/NDF:990425.0/17

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 799.370+/-0.154 χ^2/NDF:916739.8/16

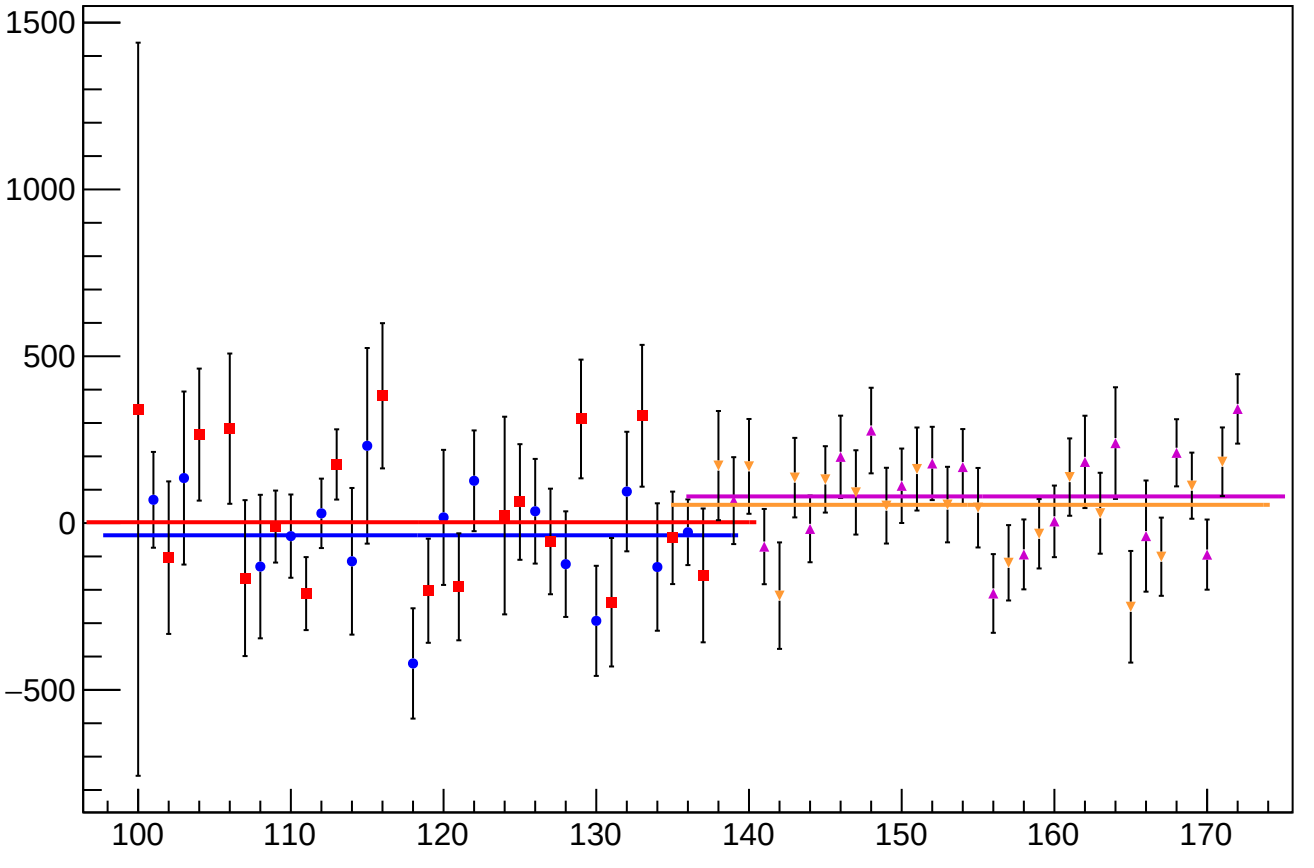
Left: 806.465+/-0.109 χ^2/NDF: 1911460.7/34

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 858.900+/-0.137 χ^2/NDF:2675409.8/32

Out: 867.063+/-0.136 χ^2/NDF:2701062.9/36

All: 862.986+/-0.097 χ^2/NDF: 5378259.2/69



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 54.717+/-28.075 χ^2/NDF:16.6/17

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: 67.280+/-19.887 χ^2/NDF: 46.6/34

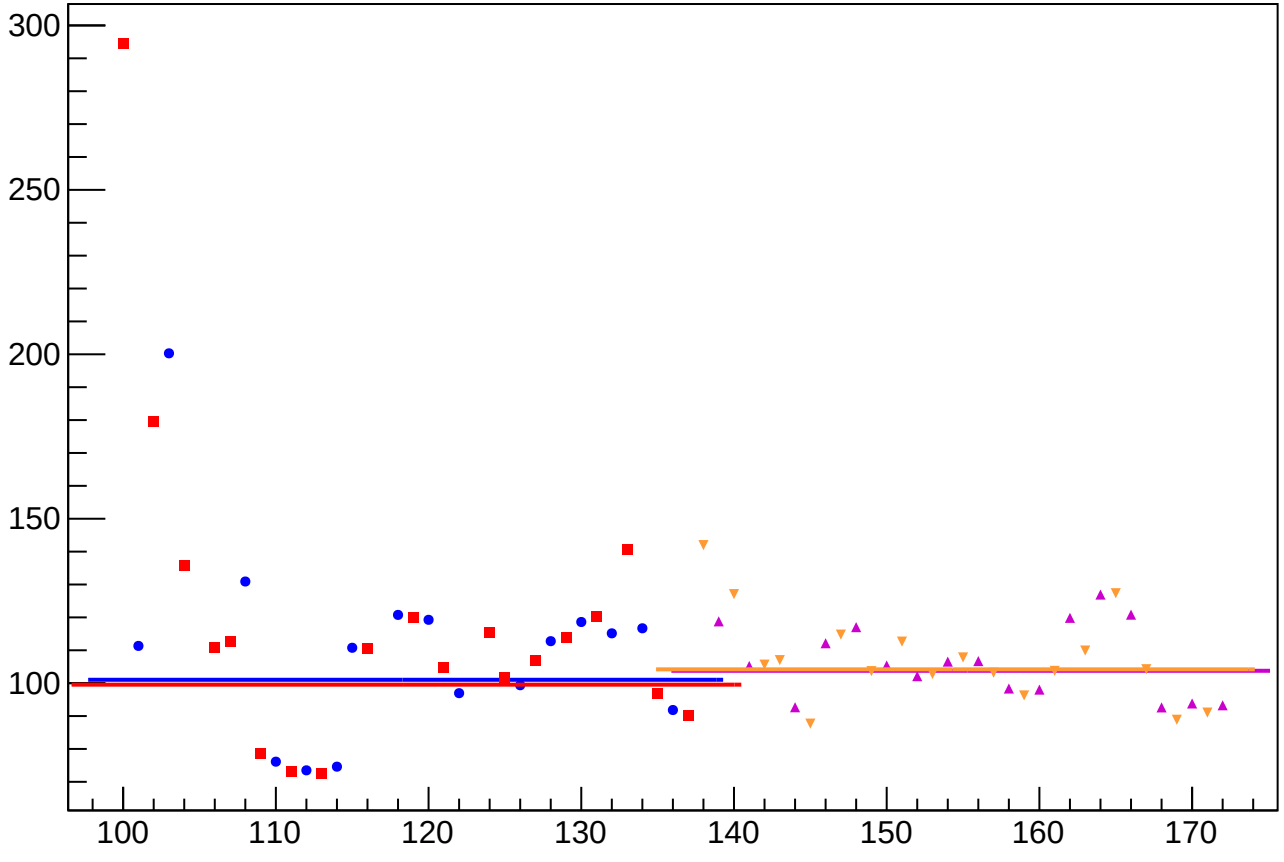
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 39.964+/-22.836 χ^2/NDF:48.4/32

Out: 36.405+/-22.615 χ^2/NDF:42.5/36

All: 38.167+/-16.069 χ^2/NDF: 90.9/69

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 104.205+/-0.020 χ^2/NDF:375102.5/17

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: 103.986+/-0.014 χ^2/NDF: 620988.5/34

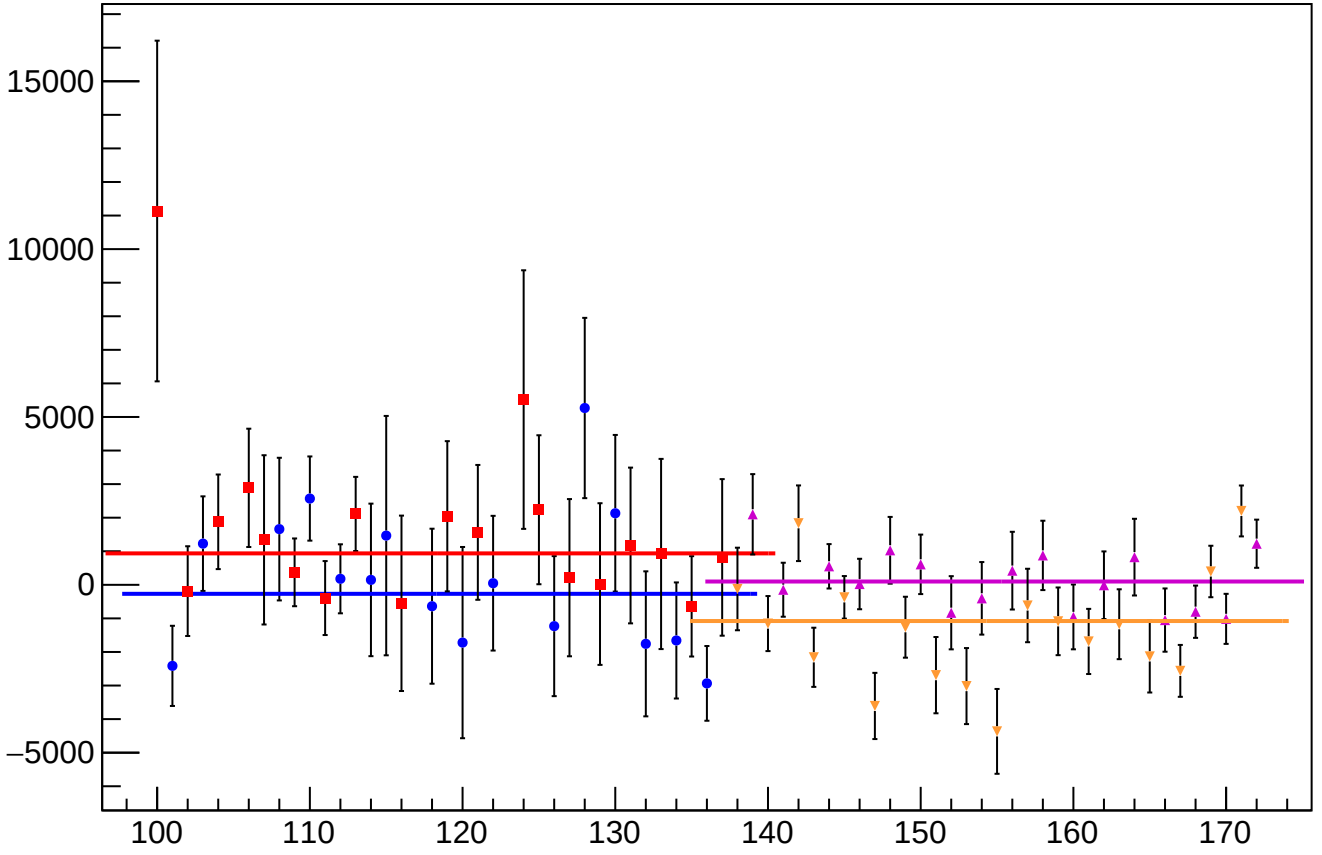
Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 102.828+/-0.016 χ^2/NDF:968198.6/32

Out: 102.570+/-0.016 χ^2/NDF:1274932.2/36

All: 102.697+/-0.011 χ^2/NDF: 2243259.6/69

asym_sam_3748_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1078.408+/-218.622 χ^2/NDF:56.0/17

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: -484.432+/-153.874 χ^2/NDF: 85.9/34

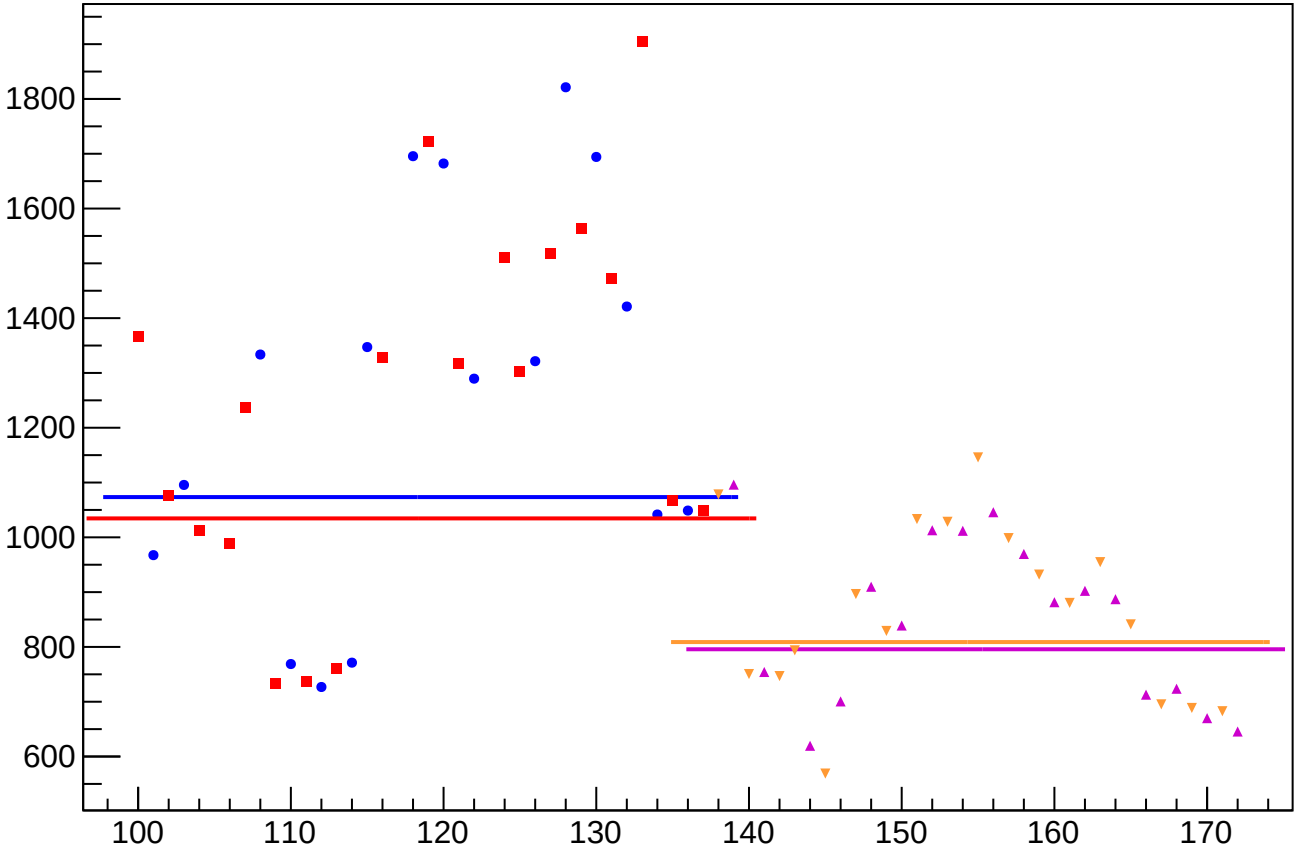
Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 20.802+/-192.231 χ^2/NDF:39.4/32

Out: -608.114+/-191.419 χ^2/NDF:89.0/36

All: -294.988+/-135.640 χ^2/NDF: 133.7/69

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: 808.883+/-0.155 χ^2/NDF:1001483.6/17

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 795.731+/-0.153 χ^2/NDF:874095.7/16

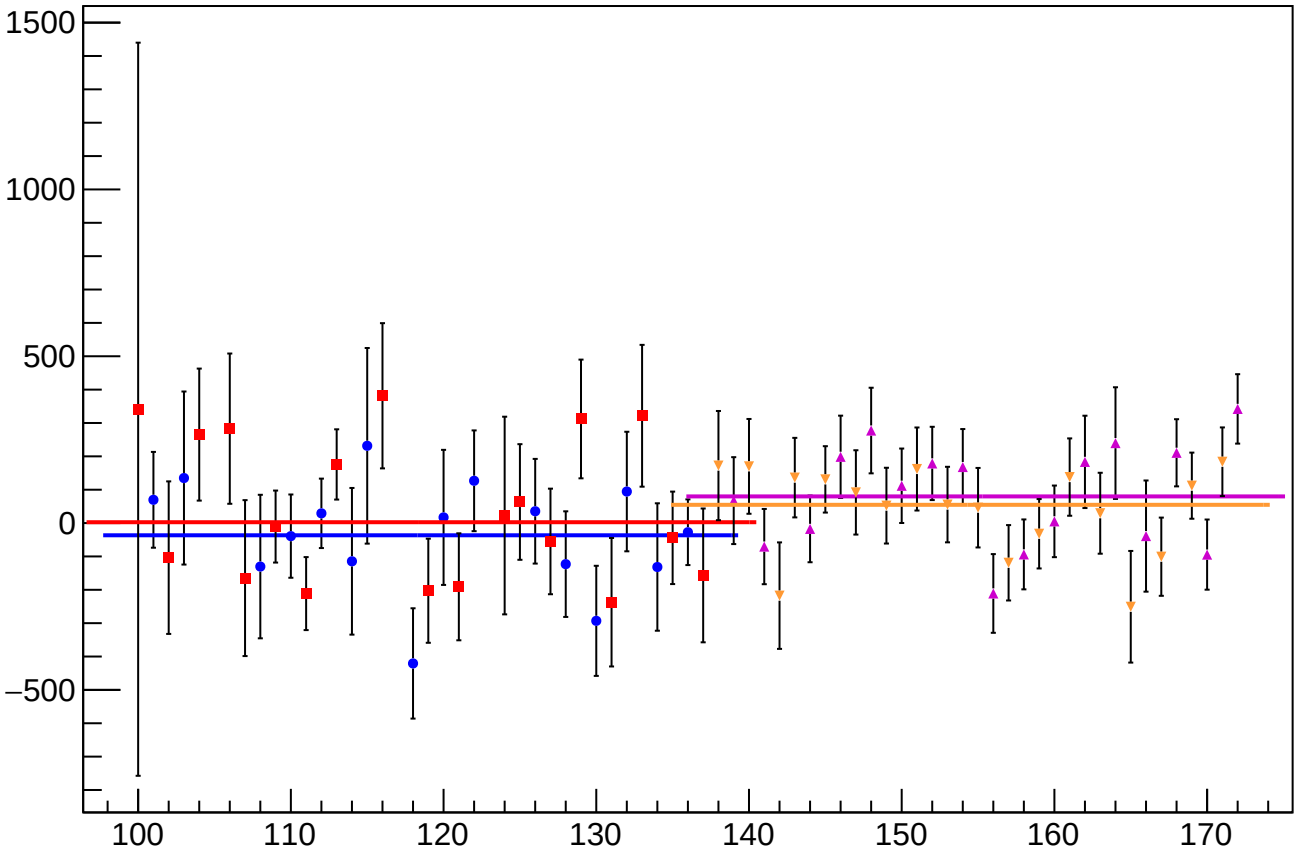
Left: 802.246+/-0.109 χ^2/NDF: 1879231.5/34

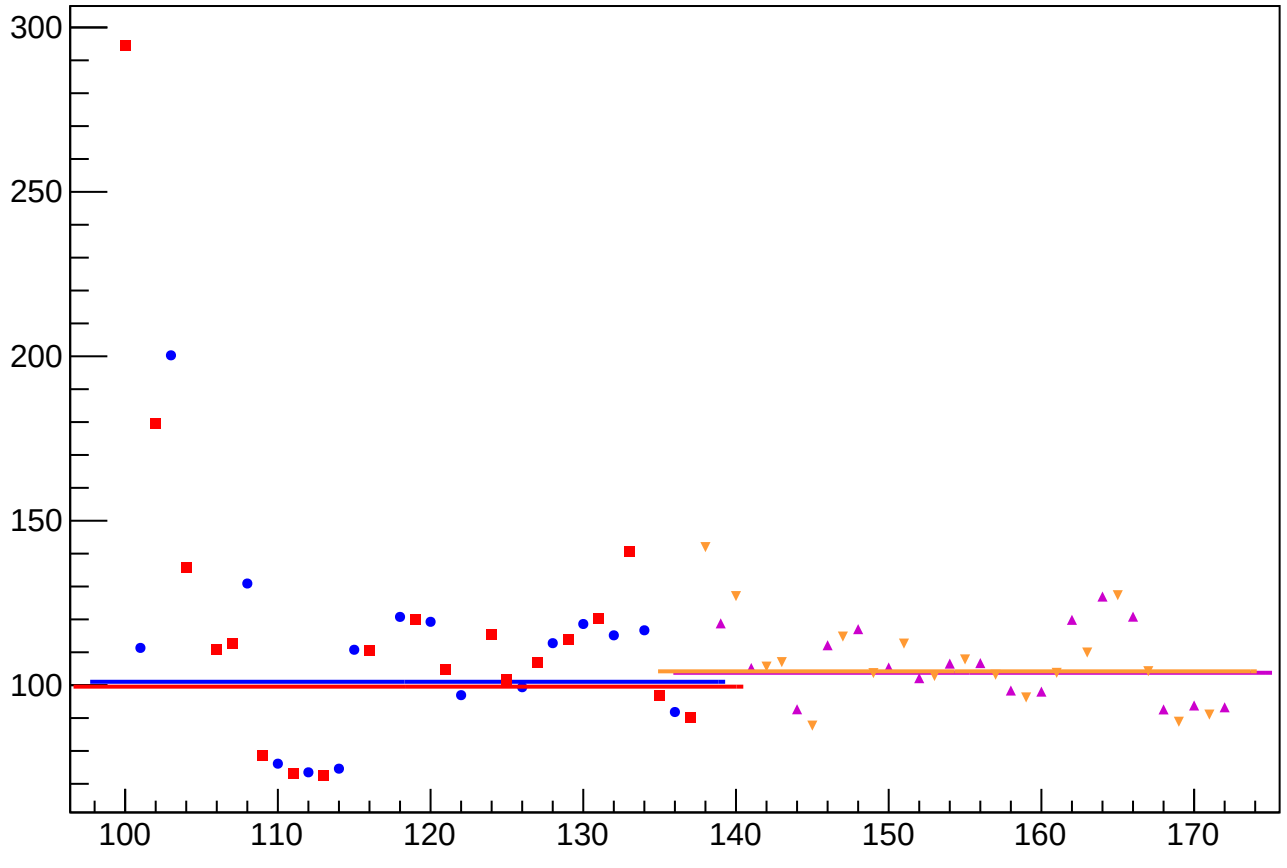
Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 854.732+/-0.136 χ^2/NDF:2649607.7/32

Out: 861.545+/-0.135 χ^2/NDF:2728089.6/36

All: 858.153+/-0.096 χ^2/NDF: 5378958.7/69


eigen_dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
100
110
120
130
140
150
160
170
Right In: -36.589+/-38.991 χ²/NDF: 12.9/15
Left Out: 54.719+/-28.075 χ²/NDF:16.6/17
Right Out: 2.566+/-38.165 χ²/NDF: 24.7/18
Left In: 79.931+/-28.173 χ²/NDF:29.6/16
Left: 67.281+/-19.887 χ²/NDF: 46.6/34
Right: -16.593+/-27.274 χ²/NDF: 38.1/34
In: 39.964+/-22.836 χ²/NDF:48.4/32
Out: 36.406+/-22.615 χ²/NDF:42.5/36
All: 38.167+/-16.069 χ²/NDF: 90.9/69



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 104.206+/-0.020 χ^2/NDF:375099.0/17

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: 103.986+/-0.014 χ^2/NDF: 620985.3/34

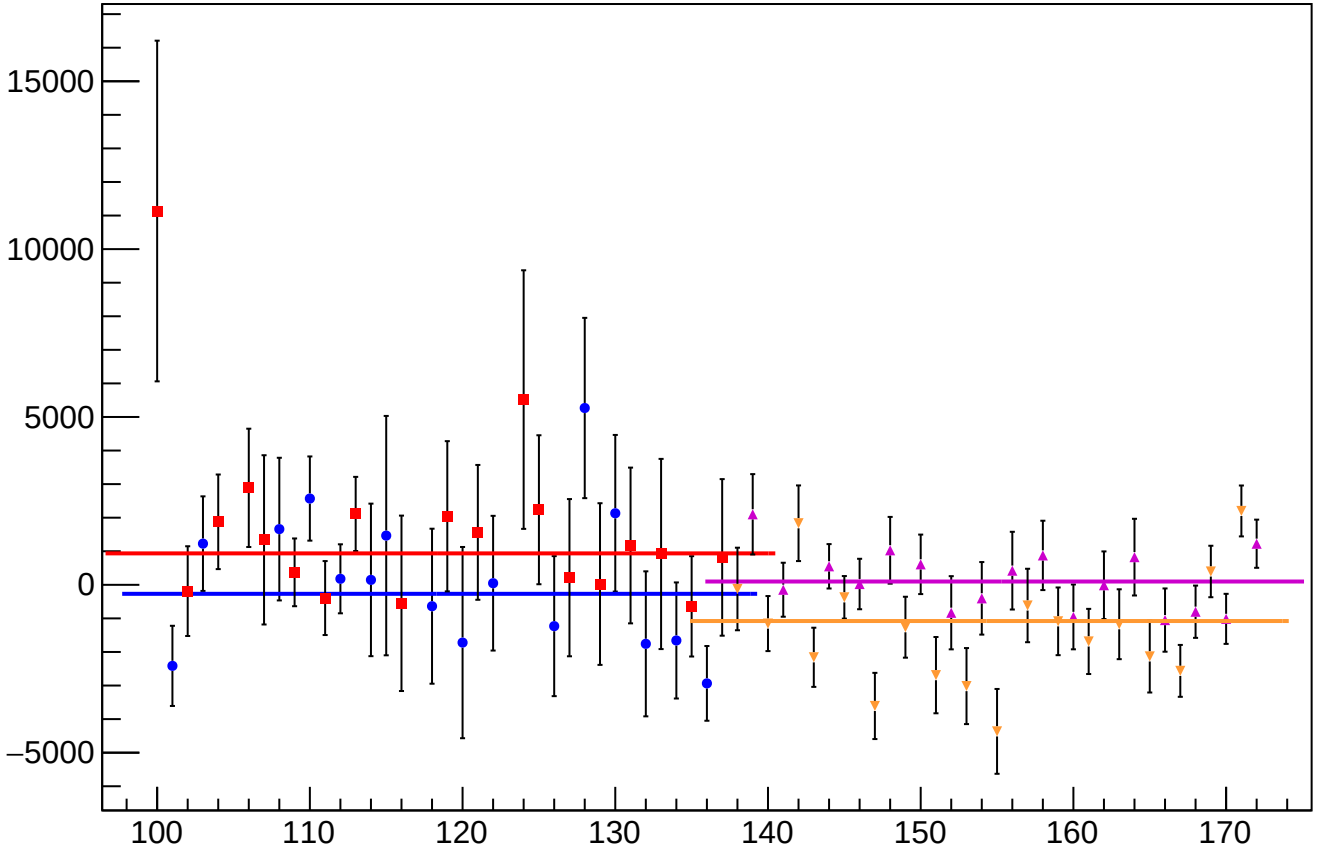
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 102.828+/-0.016 χ^2/NDF:968198.4/32

Out: 102.570+/-0.016 χ^2/NDF:1274932.6/36

All: 102.698+/-0.011 χ^2/NDF: 2243259.8/69

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -267.885+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1078.407+/-218.622 χ^2/NDF:56.0/17

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: -484.432+/-153.874 χ^2/NDF: 85.9/34

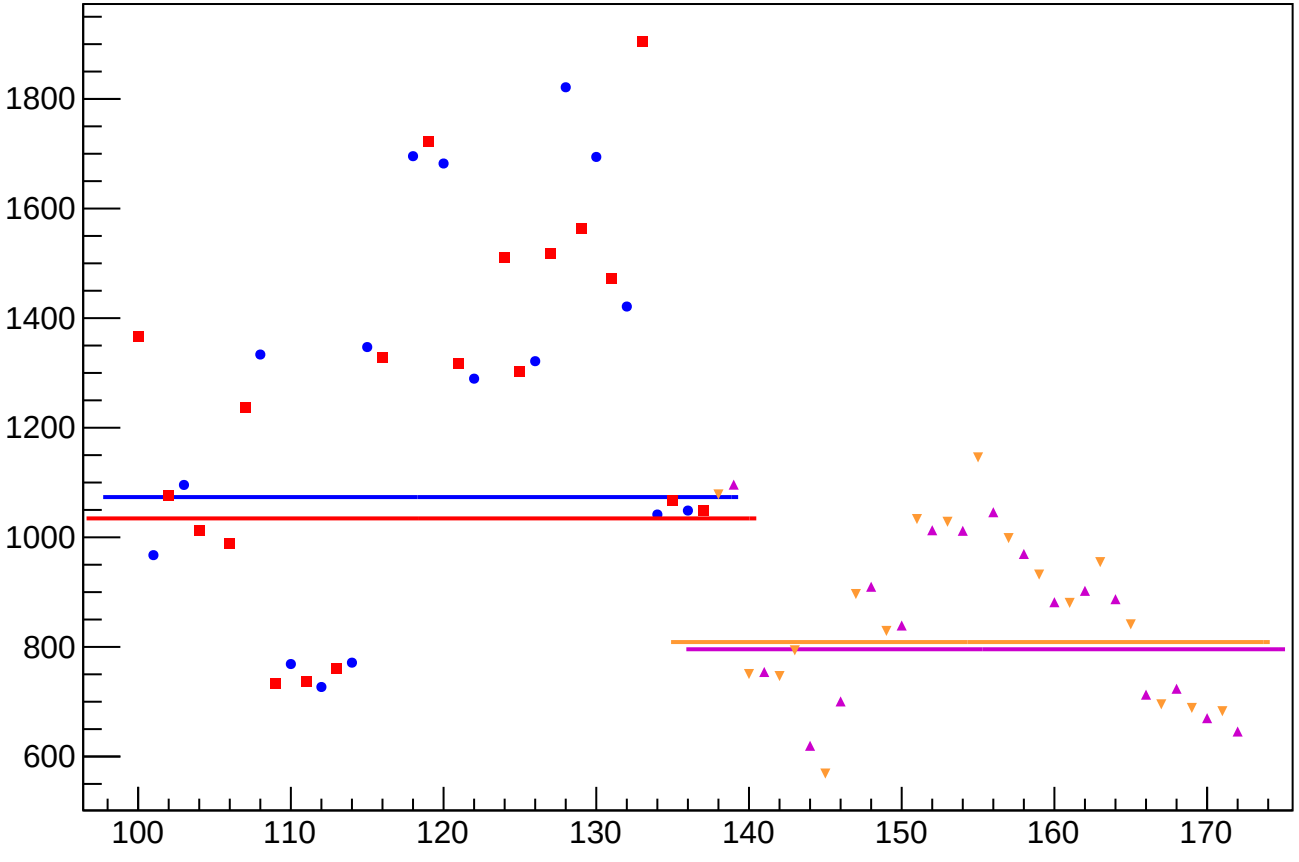
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 20.801+/-192.231 χ^2/NDF:39.4/32

Out: -608.113+/-191.418 χ^2/NDF:89.0/36

All: -294.989+/-135.640 χ^2/NDF: 133.7/69

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: 808.881+/-0.155 χ^2/NDF:1001487.6/17

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 795.730+/-0.153 χ^2/NDF:874096.0/16

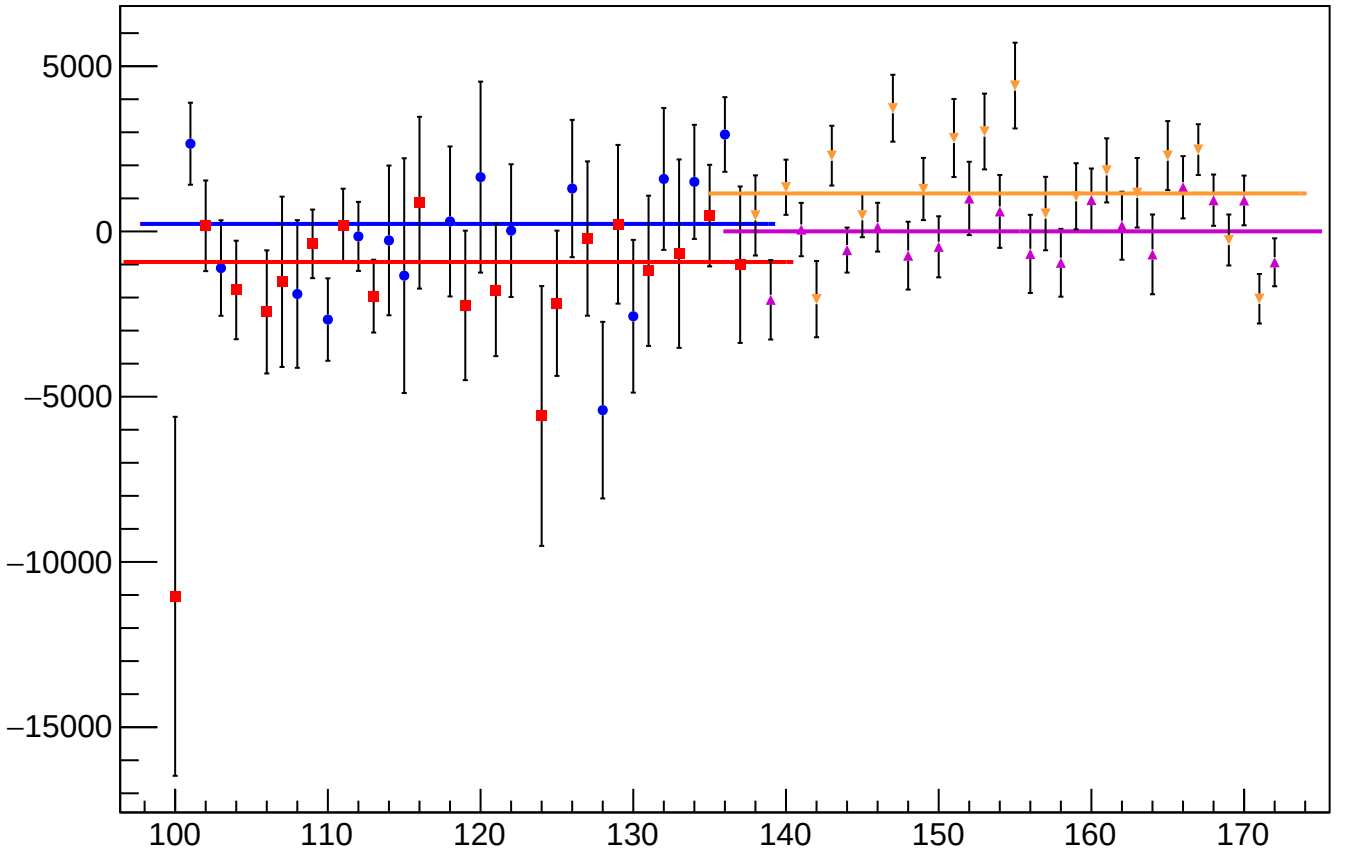
Left: 802.245+/-0.109 χ^2/NDF: 1879235.8/34

Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 854.731+/-0.136 χ^2/NDF:2649612.2/32

Out: 861.544+/-0.135 χ^2/NDF:2728096.0/36

All: 858.152+/-0.096 χ^2/NDF: 5378969.7/69



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1149.514+/-221.497 χ^2/NDF:54.6/17

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: 569.924+/-155.778 χ^2/NDF: 82.9/34

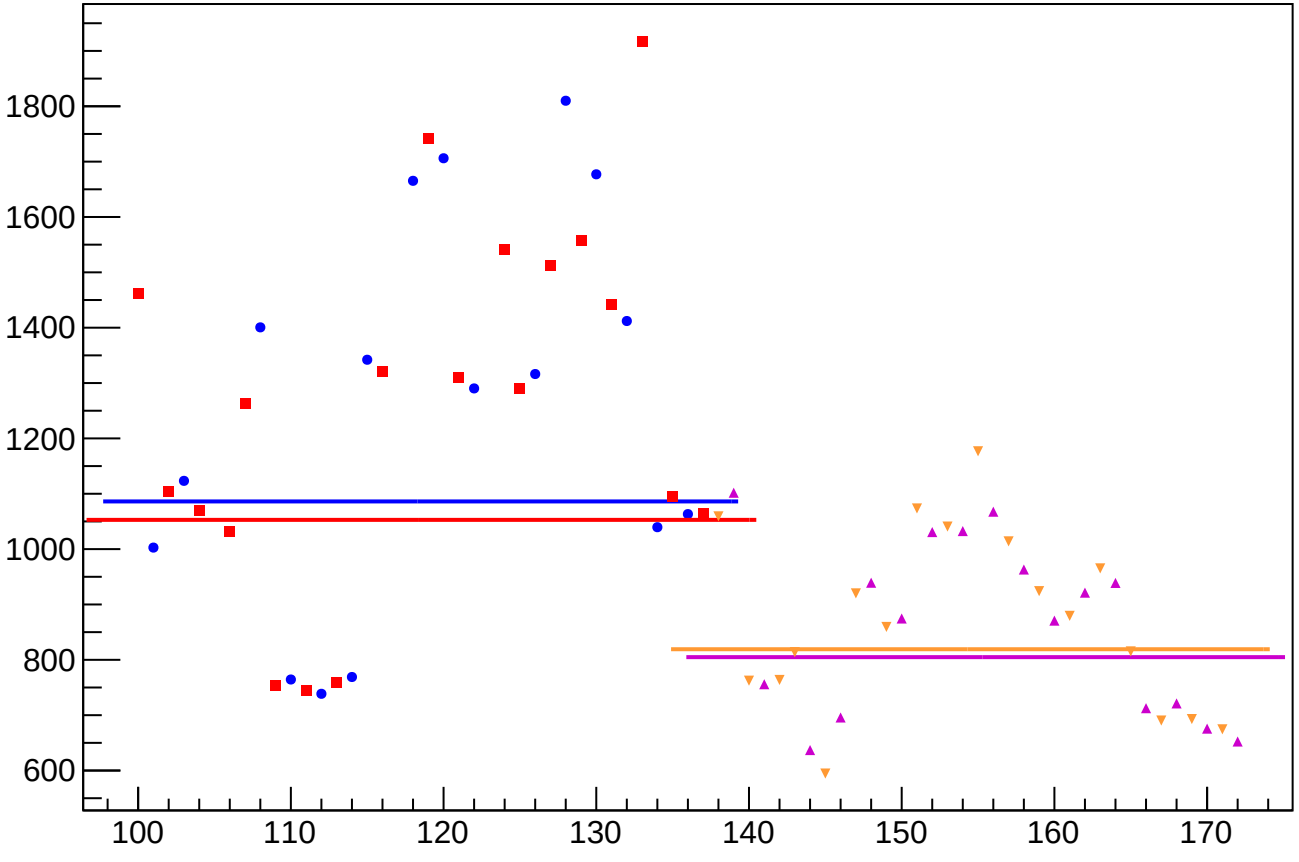
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: 50.441+/-194.458 χ^2/NDF:39.5/32

Out: 668.727+/-194.122 χ^2/NDF:86.1/36

All: 360.118+/-137.383 χ^2/NDF: 130.6/69

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 819.134+/-0.157 χ^2/NDF:977596.8/17

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 804.848+/-0.155 χ^2/NDF:904547.5/16

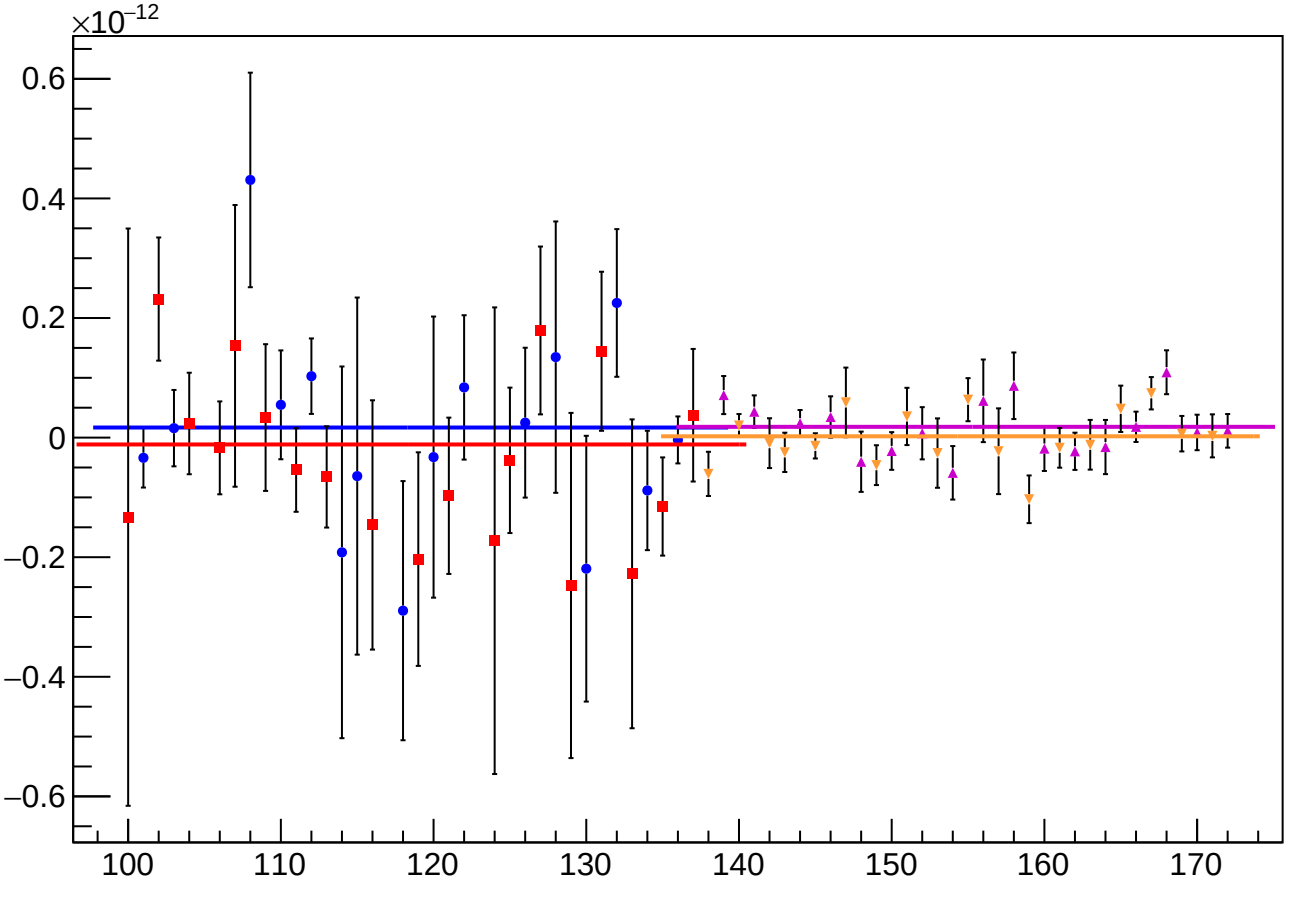
Left: 811.914+/-0.110 χ^2/NDF: 1886349.1/34

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 864.622+/-0.138 χ^2/NDF:2652347.2/32

Out: 873.331+/-0.137 χ^2/NDF:2688335.1/36

All: 868.984+/-0.097 χ^2/NDF: 5342691.5/69



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.8/17

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:21.4/16

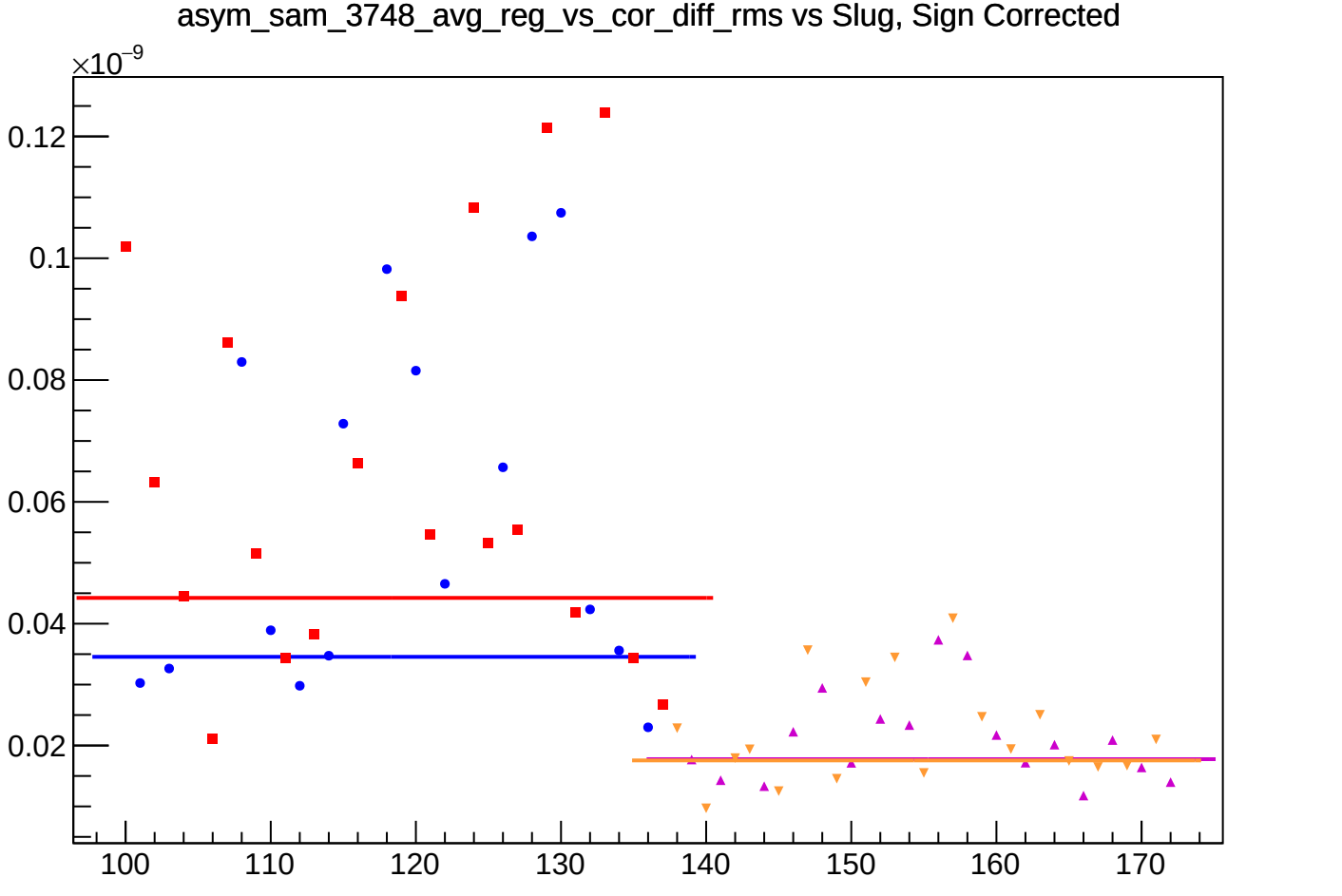
Left: 0.000+/-0.000 χ^2/NDF: 51.2/34

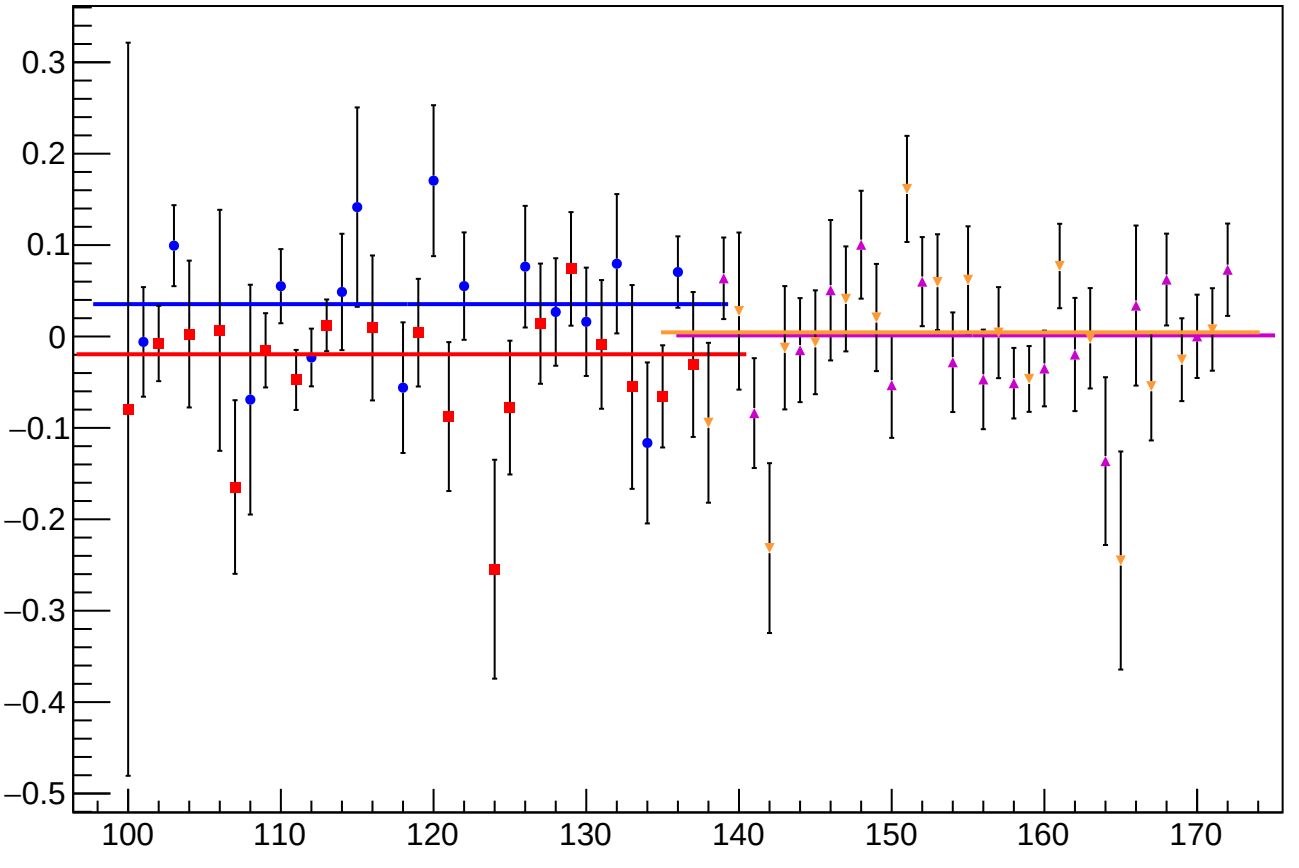
Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:38.3/32

Out: 0.000+/-0.000 χ^2/NDF:43.9/36

All: 0.000+/-0.000 χ^2/NDF: 84.6/69


asym_sam_3748_avg_reg_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: 1188815.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1397348.8/17
Right Out: 0.000+/-0.000 χ²/NDF: 1073061.4/18
Left In: 0.000+/-0.000 χ²/NDF:874507.6/16
Left: 0.000+/-0.000 χ²/NDF: 2272515.3/34
Right: 0.000+/-0.000 χ²/NDF: 2418011.3/34
In: 0.000+/-0.000 χ²/NDF:3103982.5/32
Out: 0.000+/-0.000 χ²/NDF:4283592.5/36
All: 0.000+/-0.000 χ²/NDF: 7387973.1/69



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.0/17

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.001+/-0.013 χ^2/NDF:19.3/16

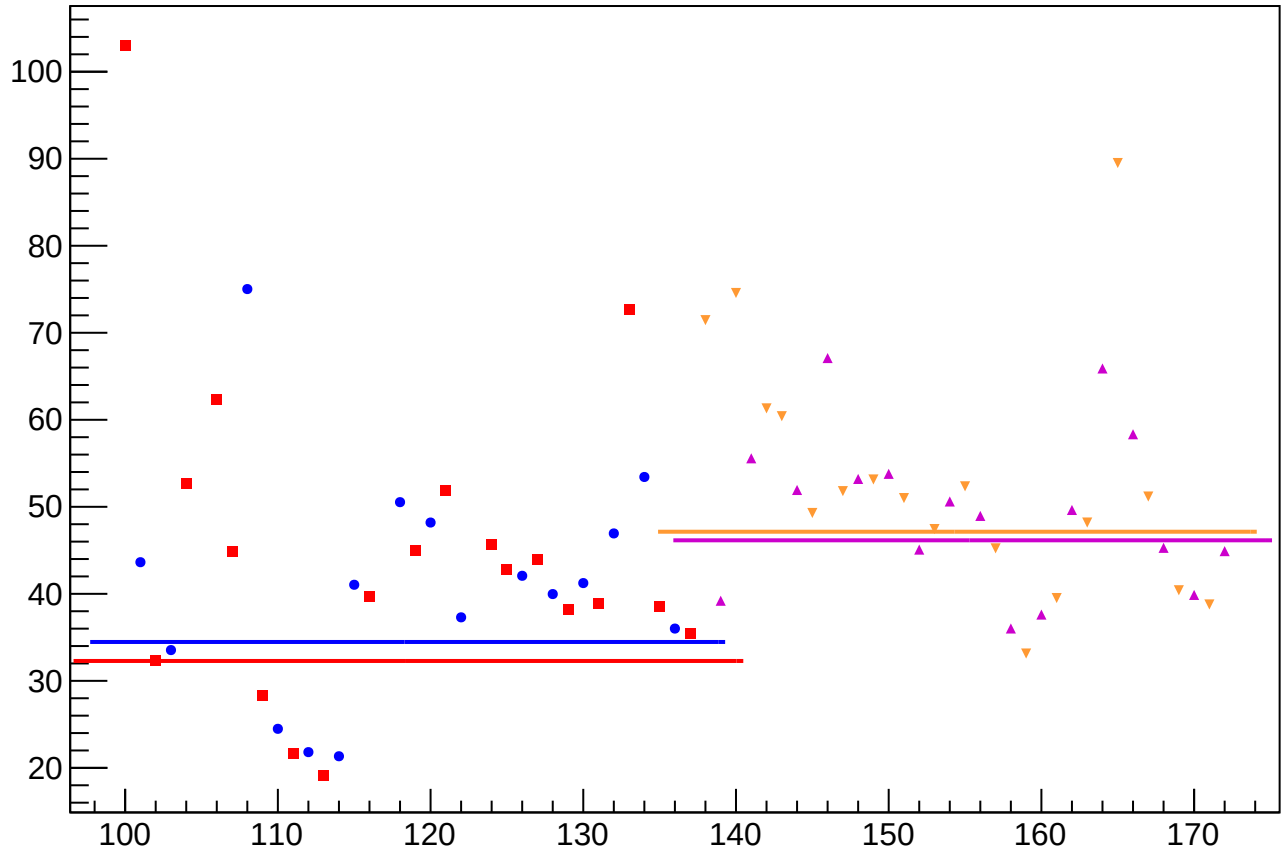
Left: 0.003+/-0.009 χ^2/NDF: 47.4/34

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:43.1/36

All: 0.005+/-0.007 χ^2/NDF: 86.0/69



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.138+/-0.009 χ^2/NDF:1279158.4/17

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.150+/-0.009 χ^2/NDF:750579.9/16

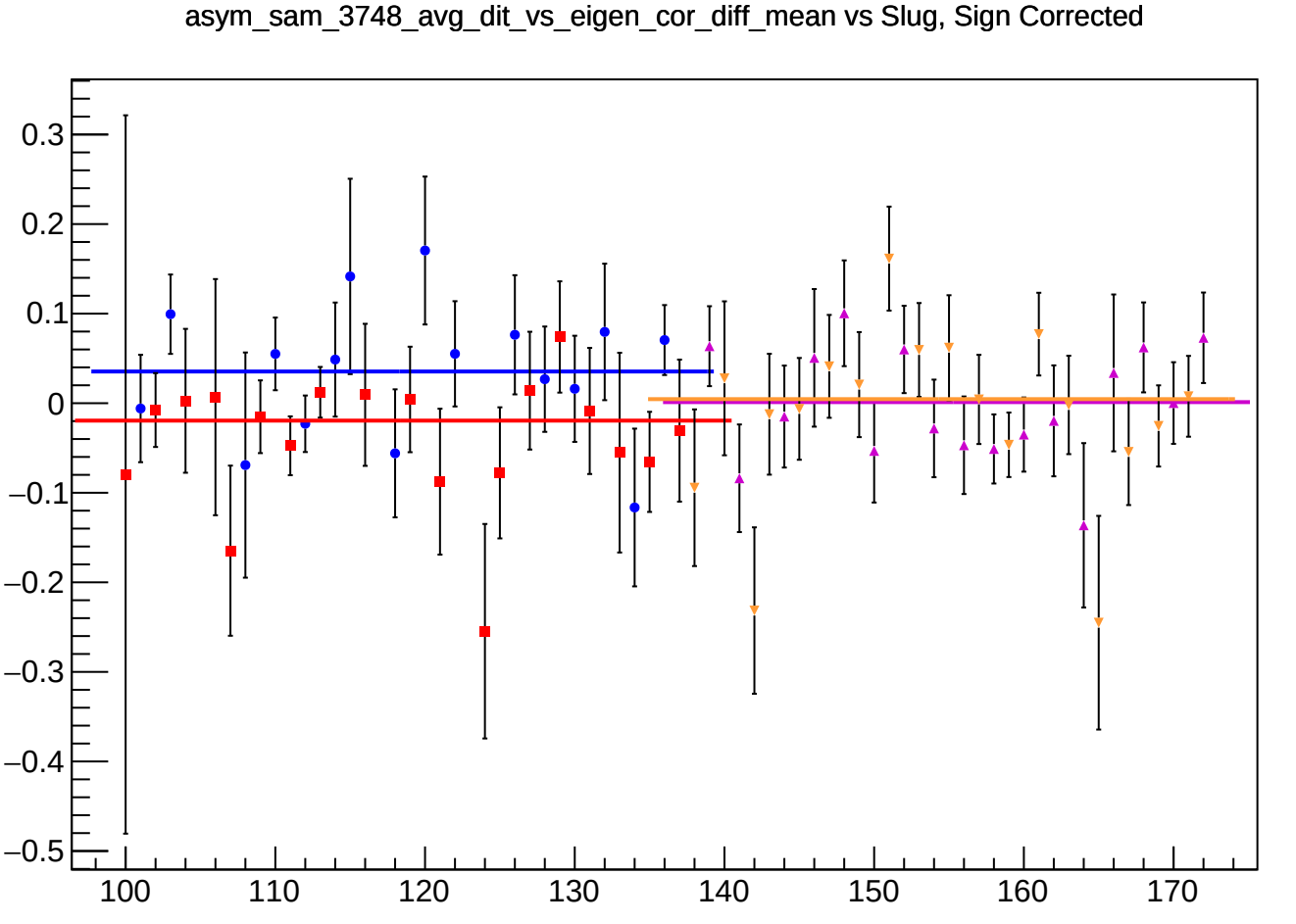
Left: 46.635+/-0.007 χ^2/NDF: 2035465.7/34

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 40.724+/-0.007 χ^2/NDF:2679242.3/32

Out: 39.685+/-0.007 χ^2/NDF:4228351.5/36

All: 40.195+/-0.005 χ^2/NDF: 6919848.2/69



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.0/17

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: 0.001+/-0.013 χ^2/NDF:19.3/16

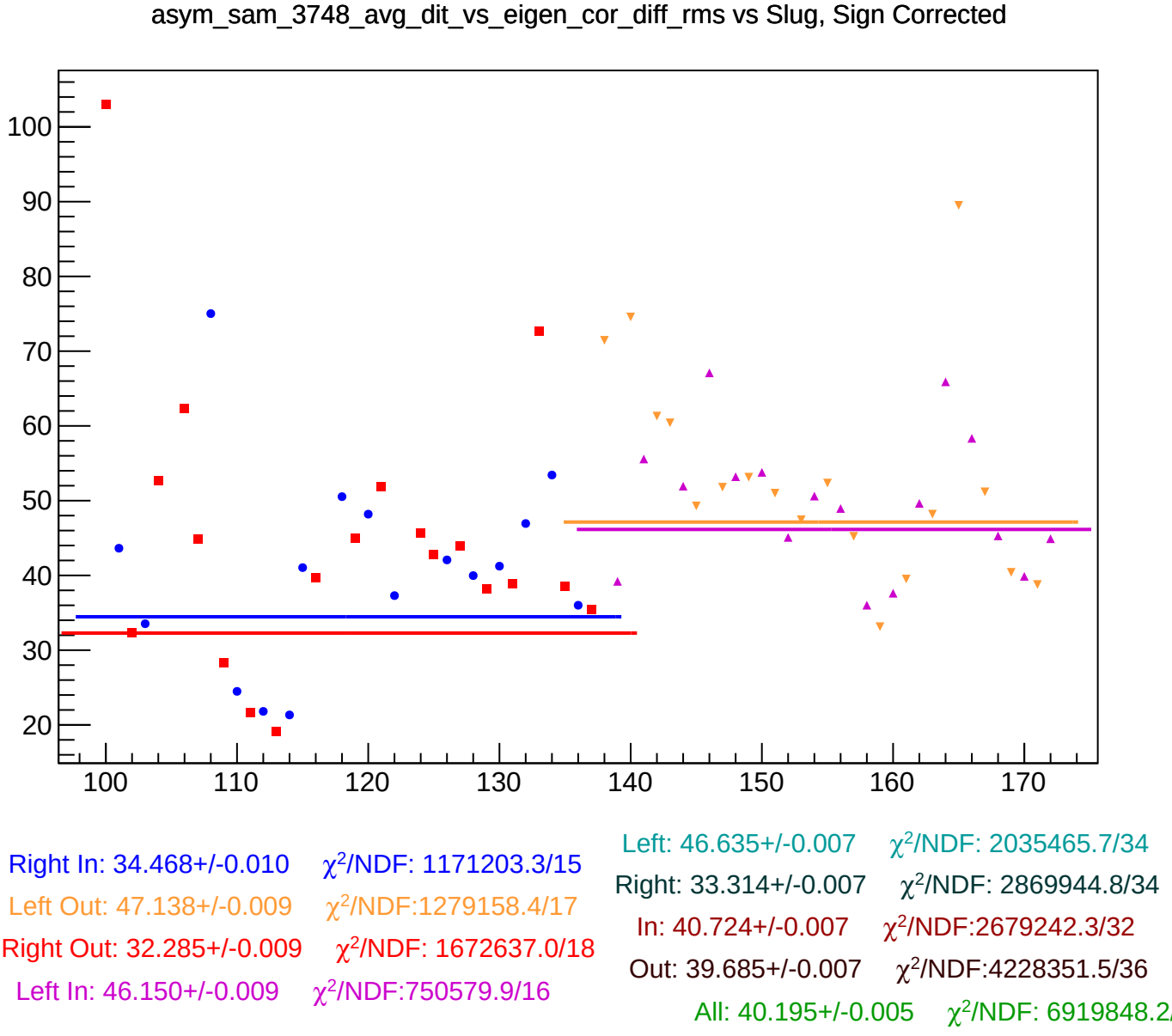
Left: 0.003+/-0.009 χ^2/NDF: 47.4/34

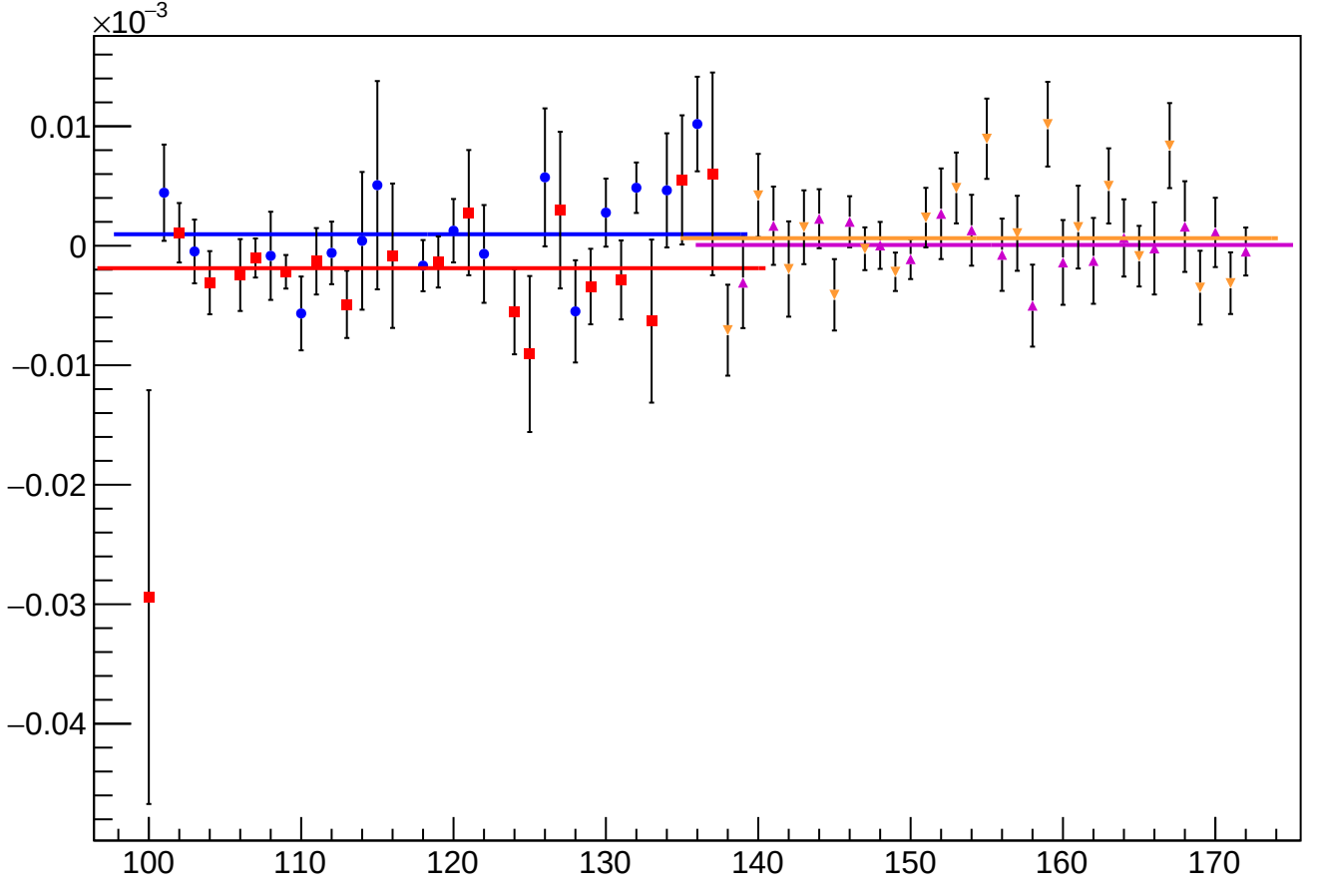
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.017+/-0.009 χ^2/NDF:39.5/32

Out: -0.007+/-0.009 χ^2/NDF:43.1/36

All: 0.005+/-0.007 χ^2/NDF: 86.0/69


asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
160
170
Right In: 34.468+/-0.010 χ²/NDF: 1171203.3/15
Left Out: 47.138+/-0.009 χ²/NDF:1279158.4/17
Right Out: 32.285+/-0.009 χ²/NDF: 1672637.0/18
Left In: 46.150+/-0.009 χ²/NDF:750579.9/16
Left: 46.635+/-0.007 χ²/NDF: 2035465.7/34
Right: 33.314+/-0.007 χ²/NDF: 2869944.8/34
In: 40.724+/-0.007 χ²/NDF:2679242.3/32
Out: 39.685+/-0.007 χ²/NDF:4228351.5/36
All: 40.195+/-0.005 χ²/NDF: 6919848.2/69



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:38.4/17

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:6.7/16

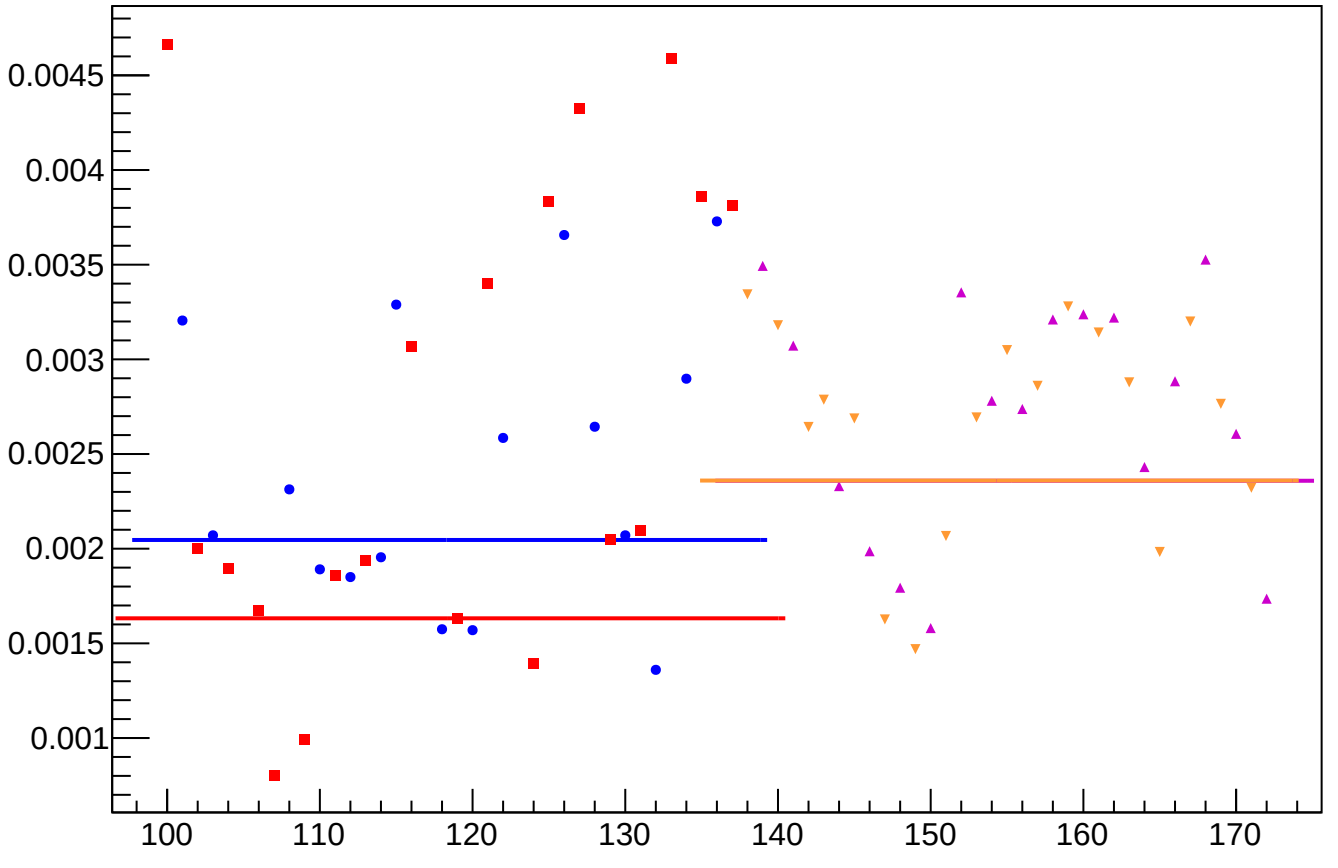
Left: 0.000+/-0.000 χ^2/NDF: 45.4/34

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:58.5/36

All: -0.000+/-0.000 χ^2/NDF: 88.9/69



Right In: 0.002+/-0.000 χ^2/NDF: 1260485.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1935082.6/17

Right Out: 0.002+/-0.000 χ^2/NDF: 2928991.9/18

Left In: 0.002+/-0.000 χ^2/NDF:1937798.4/16

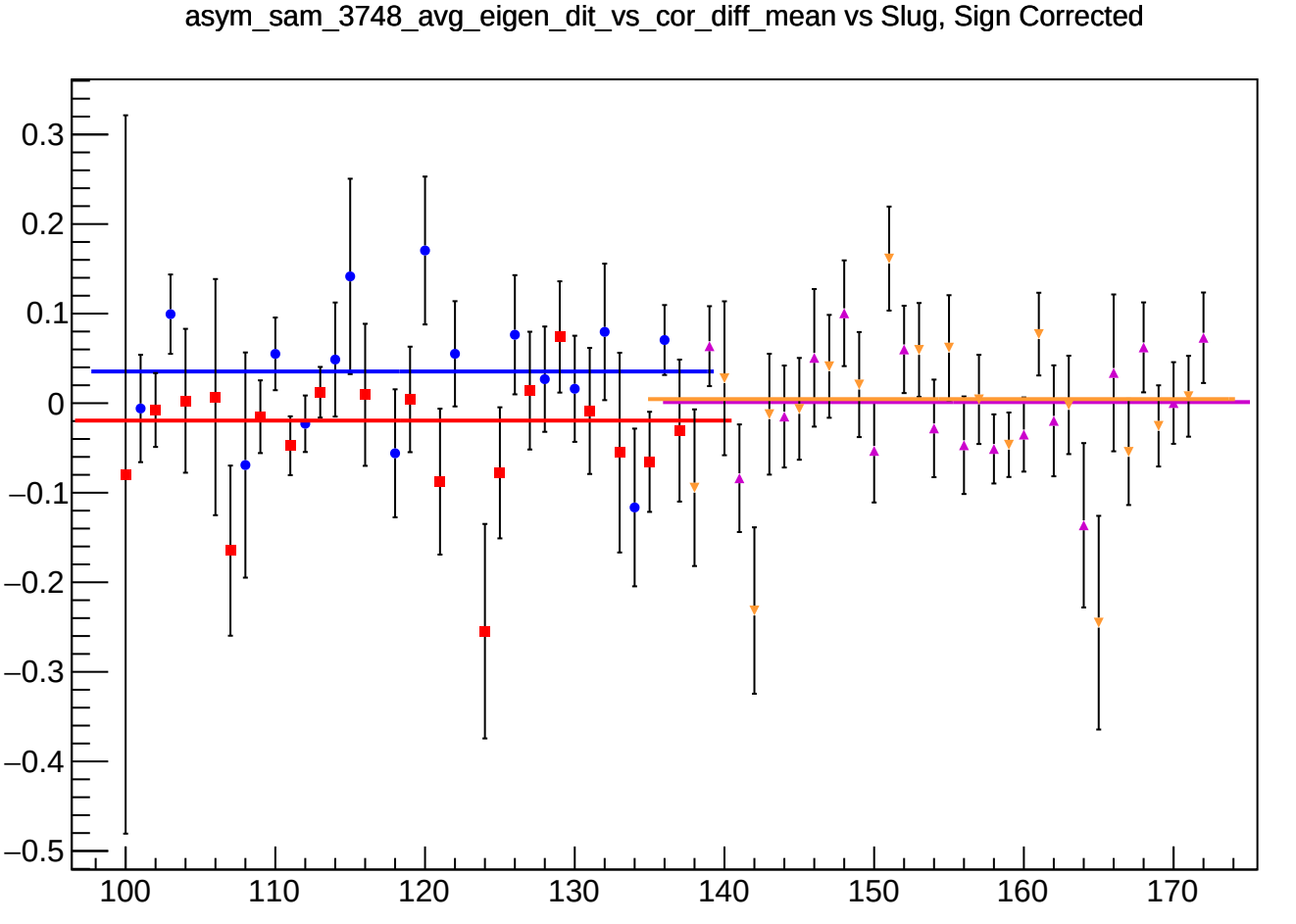
Left: 0.002+/-0.000 χ^2/NDF: 3872884.1/34

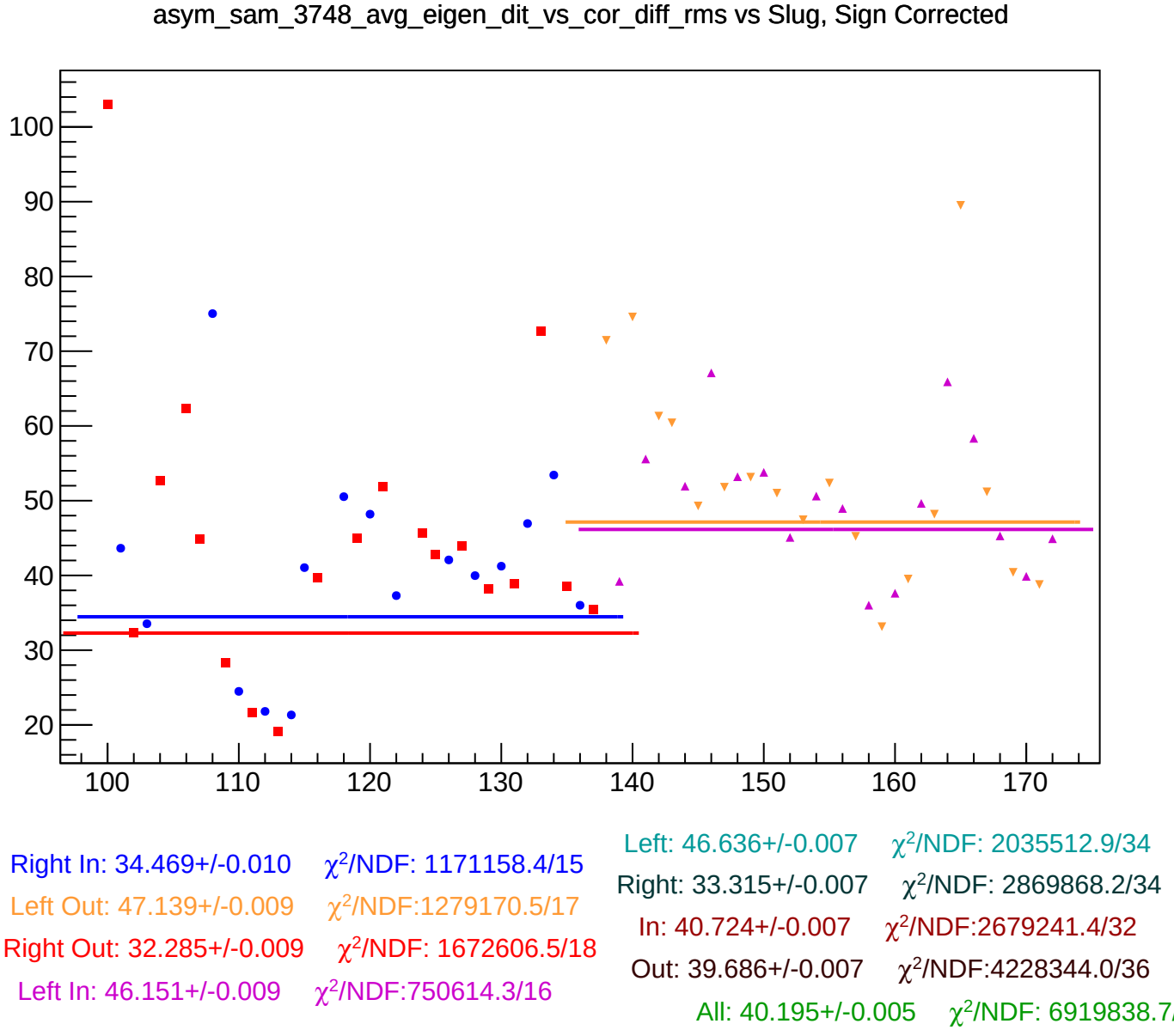
Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

In: 0.002+/-0.000 χ^2/NDF:3377793.9/32

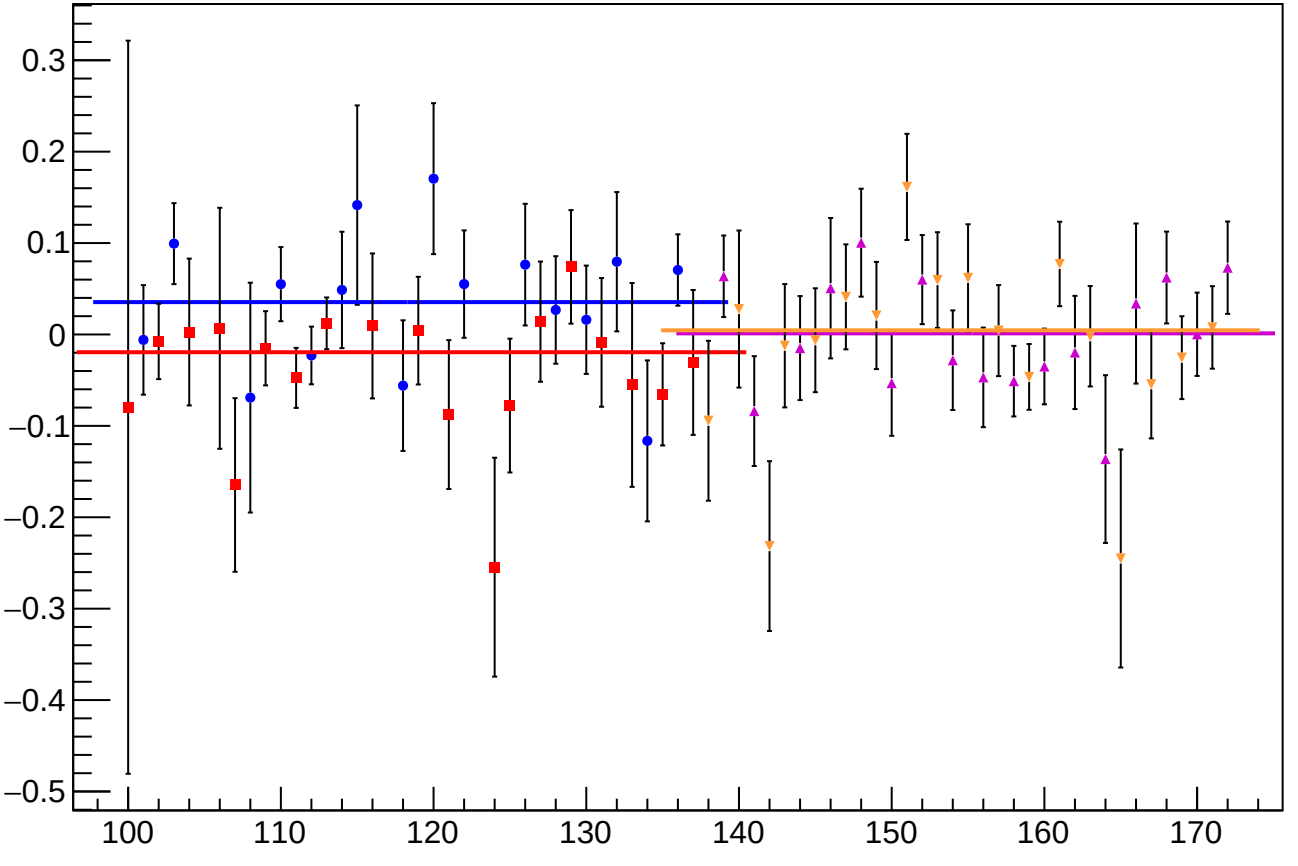
Out: 0.002+/-0.000 χ^2/NDF:6073846.0/36

All: 0.002+/-0.000 χ^2/NDF: 9667982.3/69


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: 0.005+/-0.013 χ²/NDF:28.0/17
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: 47.4/34
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:43.1/36
All: 0.005+/-0.007 χ²/NDF: 86.0/69


asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
100
90
80
70
60
50
40
30
20
100
110
120
130
140
150
160
170
Right In: 34.469+/-0.010 χ²/NDF: 1171158.4/15
Left Out: 47.139+/-0.009 χ²/NDF:1279170.5/17
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 46.151+/-0.009 χ²/NDF:750614.3/16
Left: 46.636+/-0.007 χ²/NDF: 2035512.9/34
Right: 33.315+/-0.007 χ²/NDF: 2869868.2/34
In: 40.724+/-0.007 χ²/NDF:2679241.4/32
Out: 39.686+/-0.007 χ²/NDF:4228344.0/36
All: 40.195+/-0.005 χ²/NDF: 6919838.7/69

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: 0.005+/-0.013 χ^2/NDF:28.0/17

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: 47.4/34

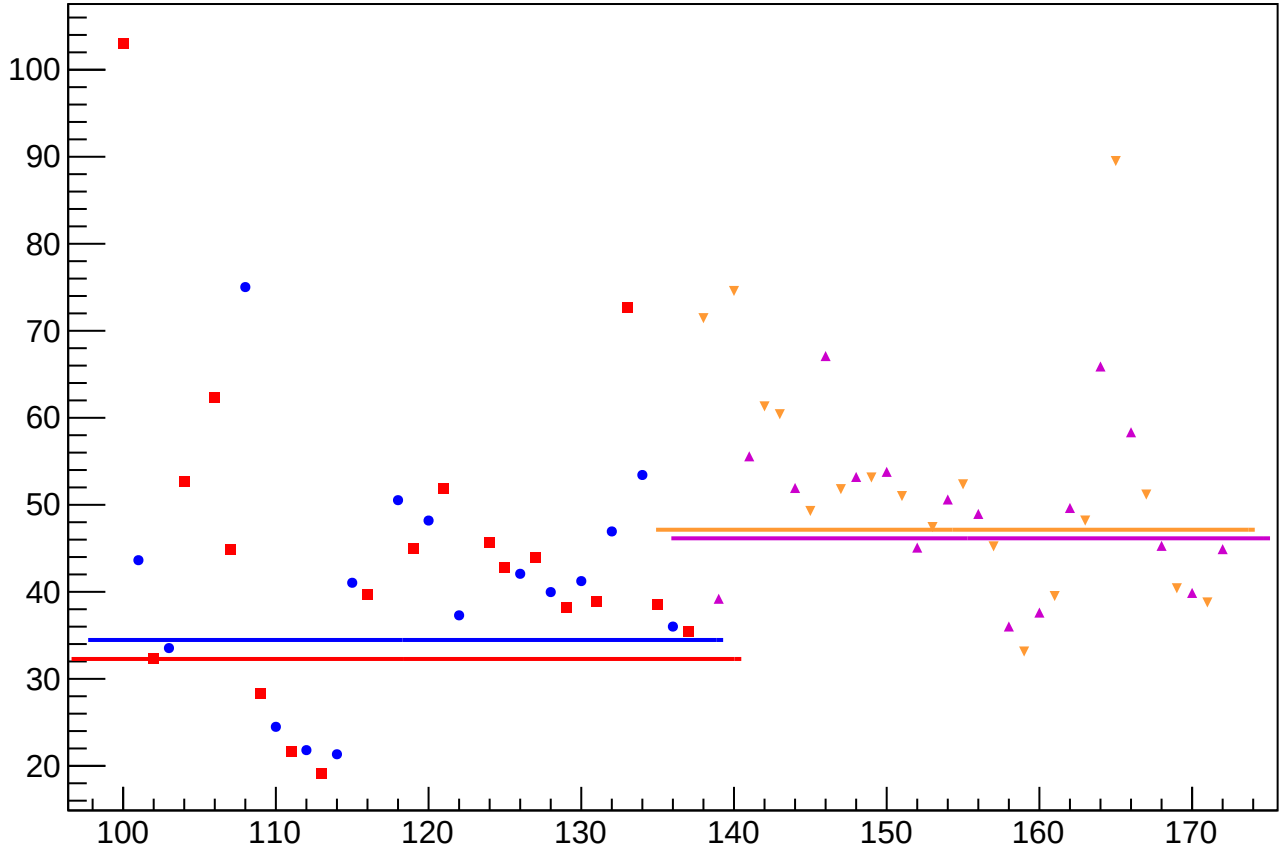
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.017+/-0.009 χ^2/NDF:39.5/32

Out: -0.007+/-0.009 χ^2/NDF:43.1/36

All: 0.005+/-0.007 χ^2/NDF: 86.0/69

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: 47.139+/-0.009 χ^2/NDF:1279170.5/17

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.151+/-0.009 χ^2/NDF:750614.3/16

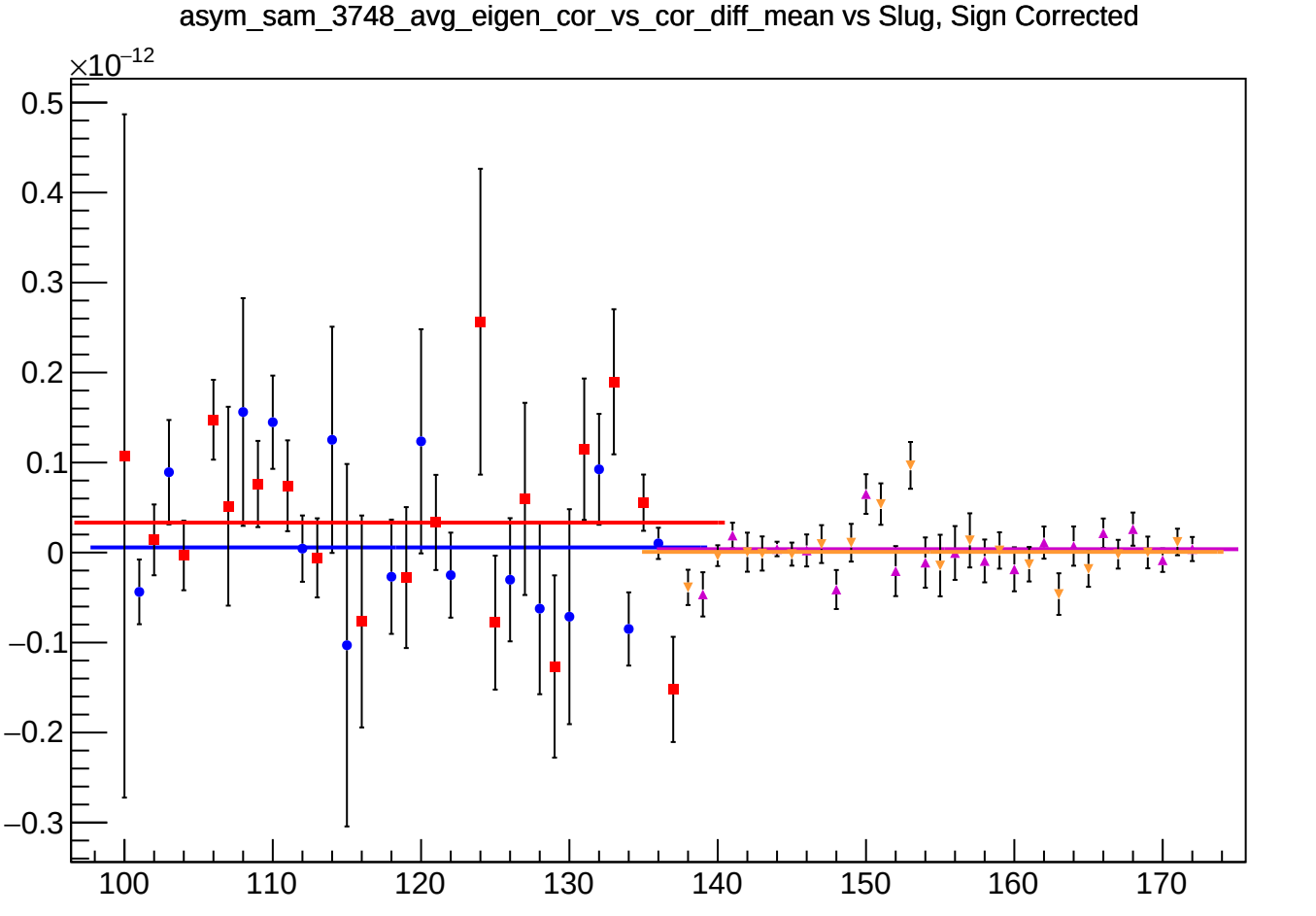
Left: 46.636+/-0.007 χ^2/NDF: 2035512.9/34

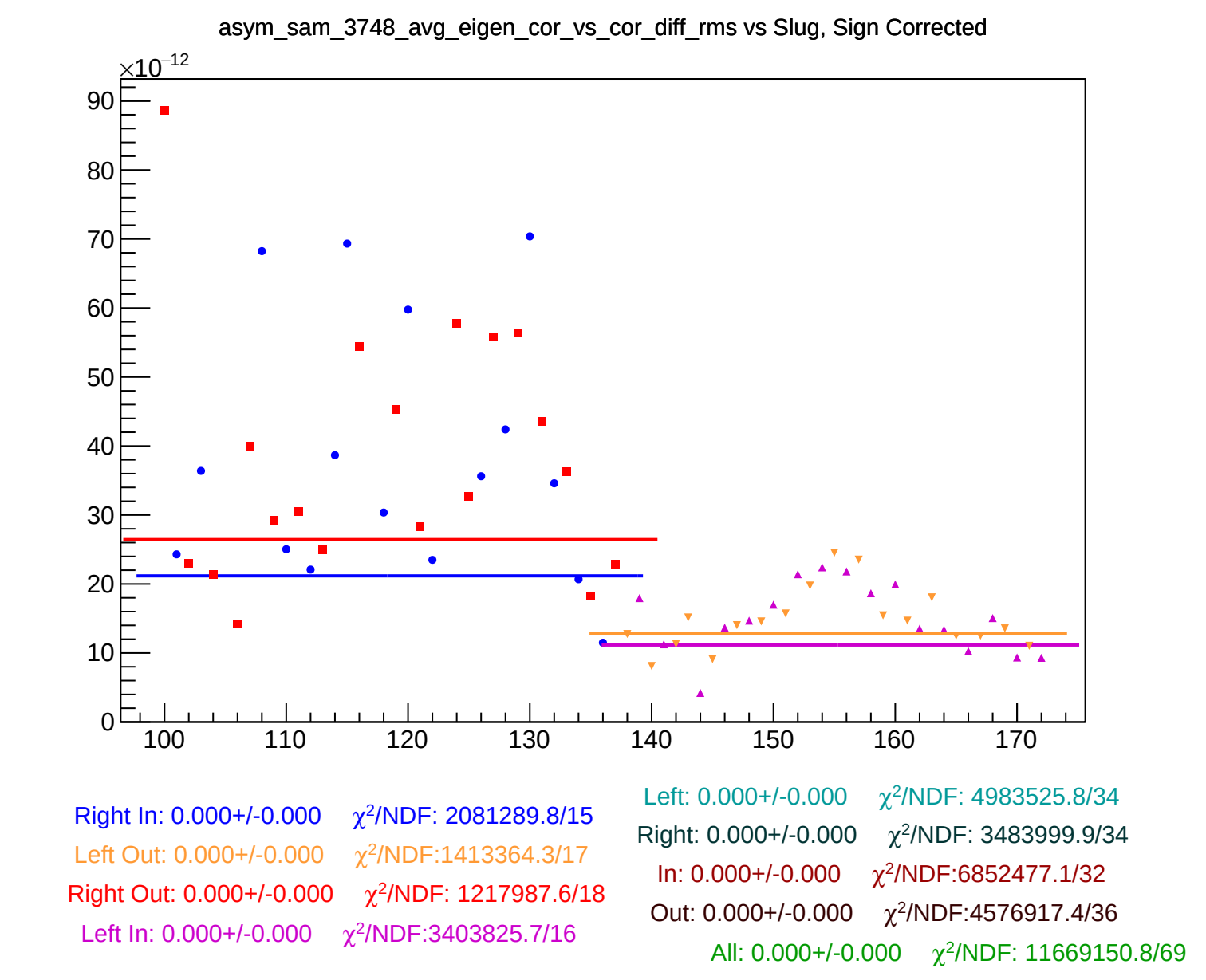
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

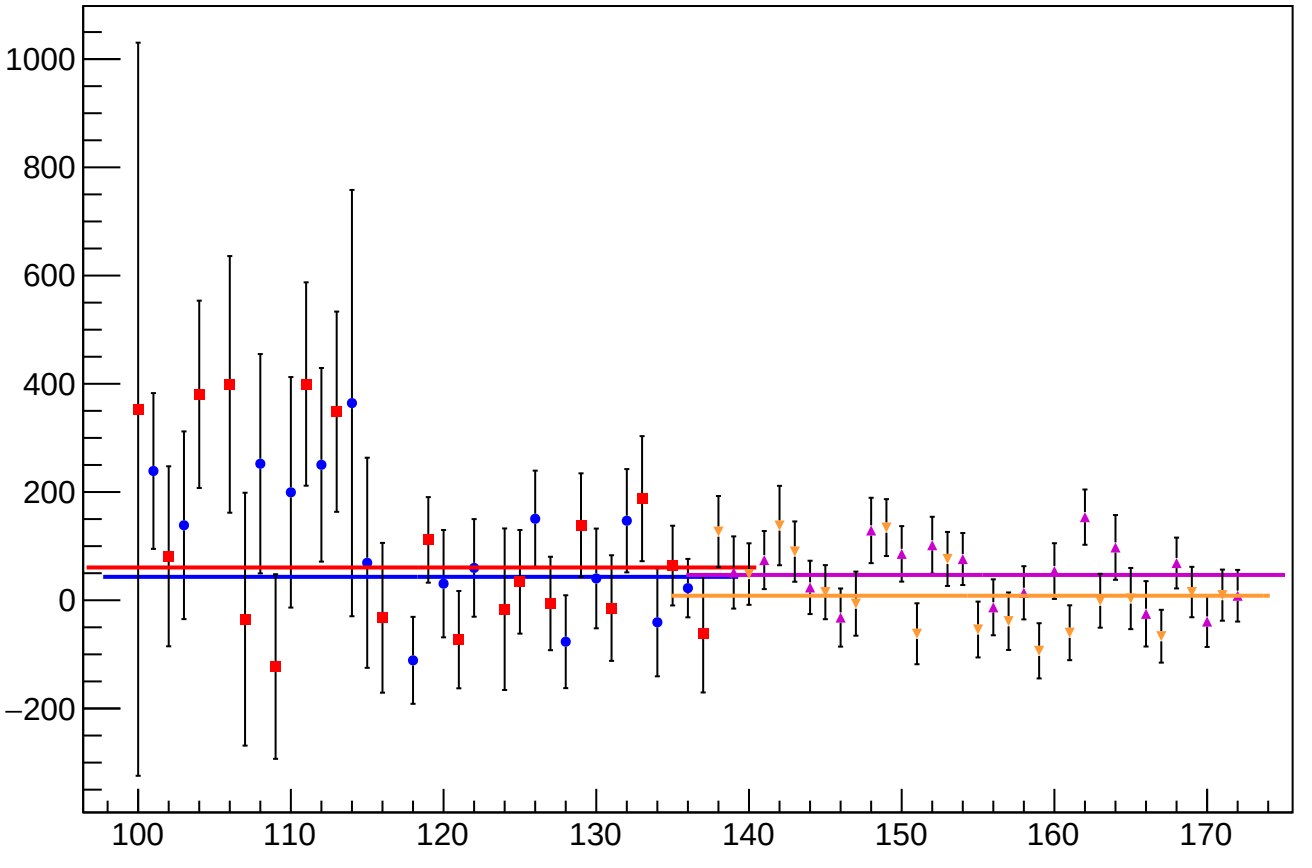
In: 40.724+/-0.007 χ^2/NDF:2679241.4/32

Out: 39.686+/-0.007 χ^2/NDF:4228344.0/36

All: 40.195+/-0.005 χ^2/NDF: 6919838.7/69


asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 23.6/15
Left Out: 0.000+/-0.000 χ²/NDF:30.1/17
Right Out: 0.000+/-0.000 χ²/NDF: 33.5/18
Left In: 0.000+/-0.000 χ²/NDF:23.3/16
Left: 0.000+/-0.000 χ²/NDF: 53.7/34
Right: 0.000+/-0.000 χ²/NDF: 59.6/34
In: 0.000+/-0.000 χ²/NDF:46.9/32
Out: 0.000+/-0.000 χ²/NDF:69.2/36
All: 0.000+/-0.000 χ²/NDF: 116.1/69


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:1413364.3/17
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: 4983525.8/34
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:4576917.4/36
All: 0.000+/-0.000 χ²/NDF: 11669150.8/69



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 8.385+/-12.538 χ^2/NDF:28.7/17

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 46.763+/-12.670 χ^2/NDF:19.1/16

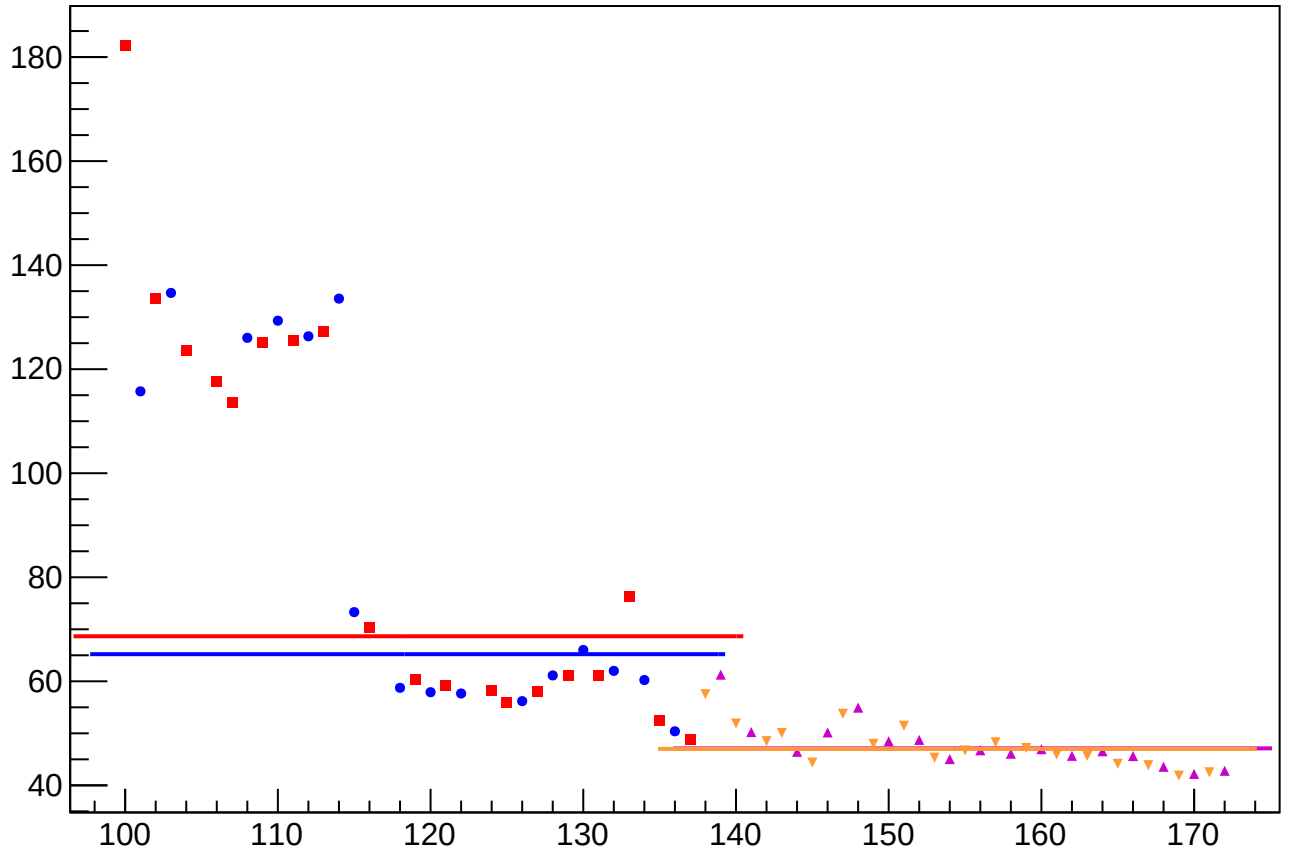
Left: 27.373+/-8.912 χ^2/NDF: 52.4/34

Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 46.079+/-11.371 χ^2/NDF:34.1/32

Out: 17.704+/-11.364 χ^2/NDF:52.2/36

All: 31.883+/-8.038 χ^2/NDF: 89.4/69



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 47.006+/-0.009 χ^2/NDF:179186.5/17

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: 47.055+/-0.006 χ^2/NDF: 377283.1/34

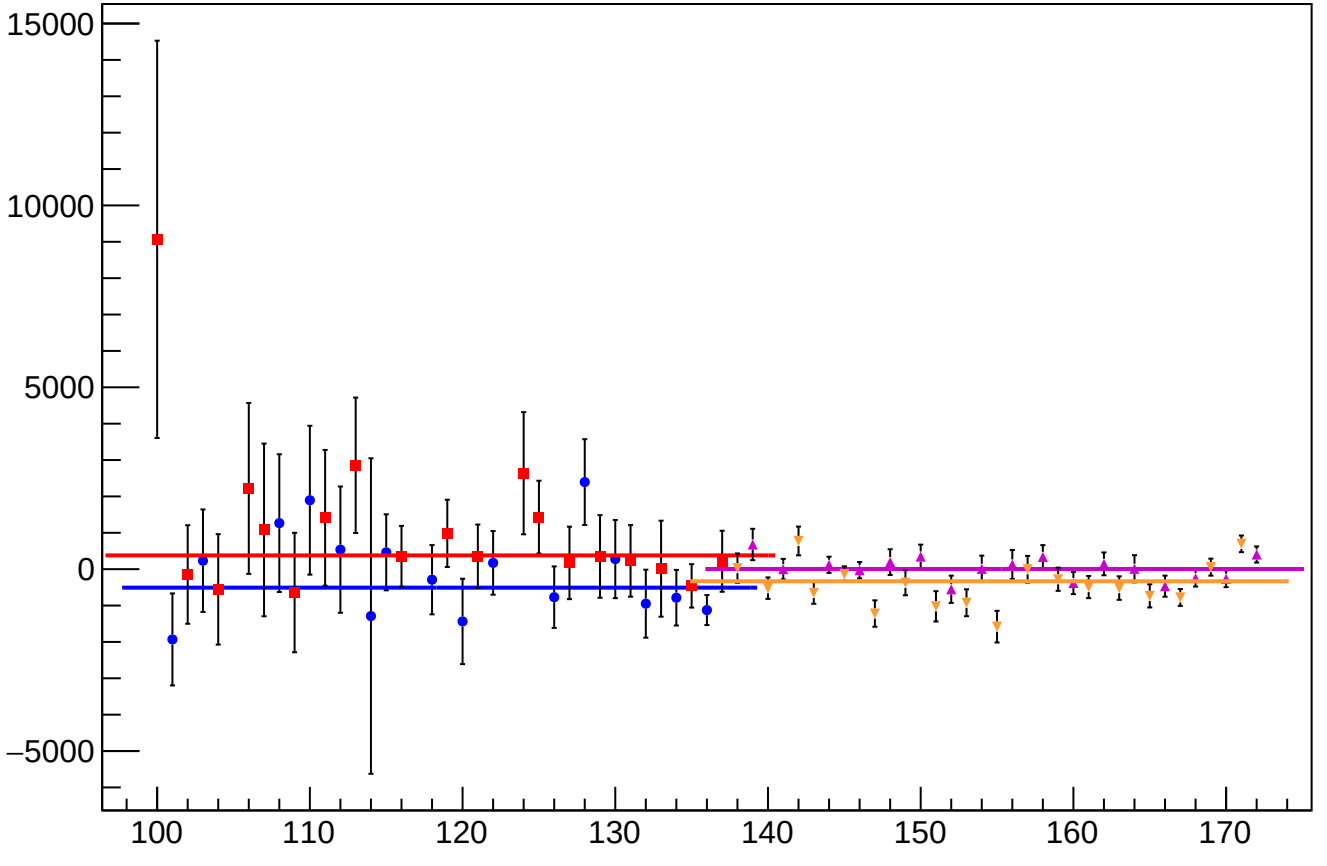
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 50.628+/-0.008 χ^2/NDF:2439203.8/32

Out: 50.872+/-0.008 χ^2/NDF:2884751.9/36

All: 50.750+/-0.006 χ^2/NDF: 5324415.3/69

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: -332.564+/-71.582 χ^2/NDF:60.3/17

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 4.962+/-70.128 χ^2/NDF:17.7/16

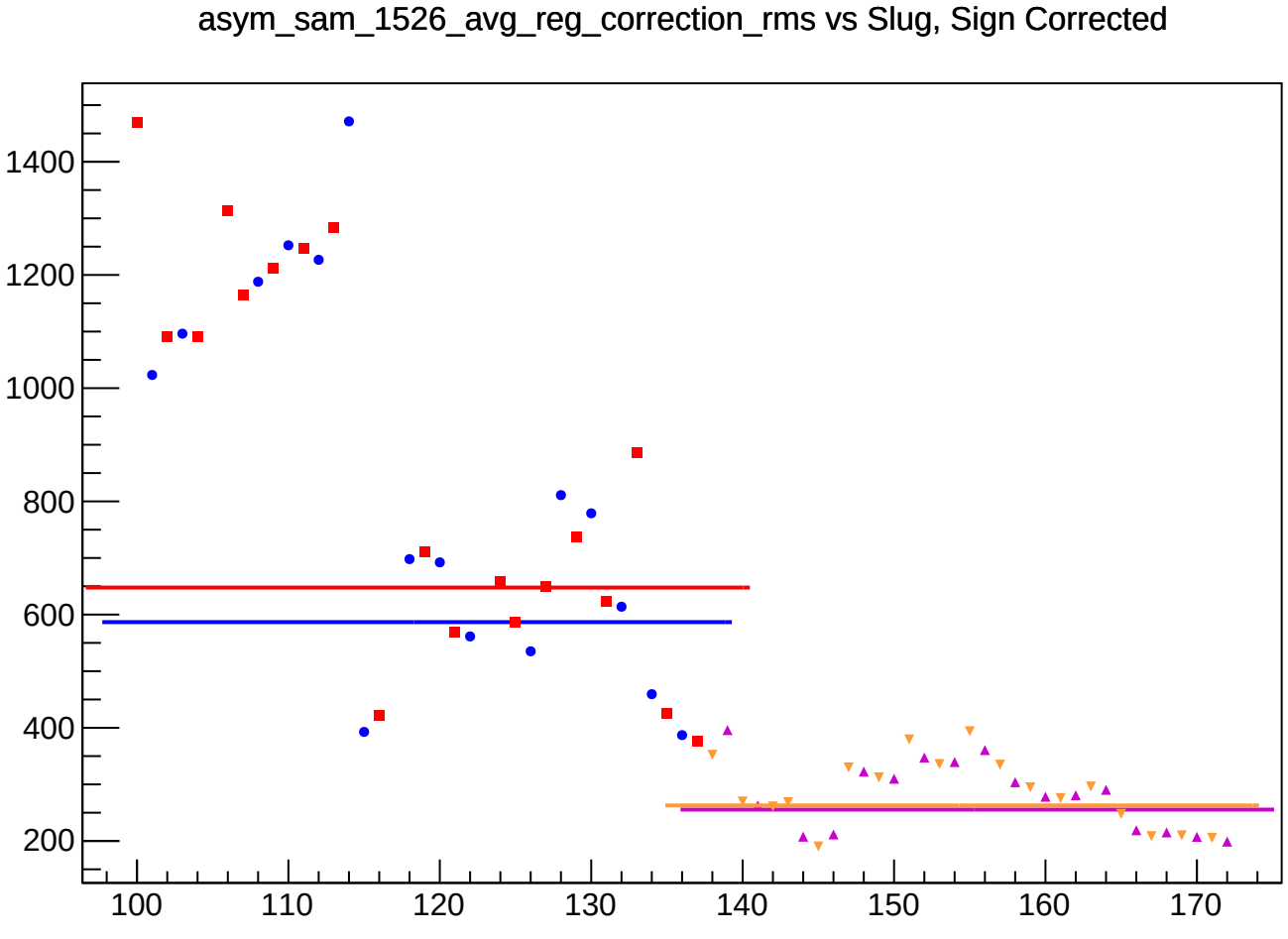
Left: -160.338+/-50.094 χ^2/NDF: 89.4/34

Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: -36.347+/-67.244 χ^2/NDF:37.6/32

Out: -281.124+/-68.945 χ^2/NDF:79.2/36

All: -155.678+/-48.139 χ^2/NDF: 123.3/69



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 262.815+/-0.051 χ^2/NDF:1320839.6/17

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 255.497+/-0.050 χ^2/NDF:1270651.2/16

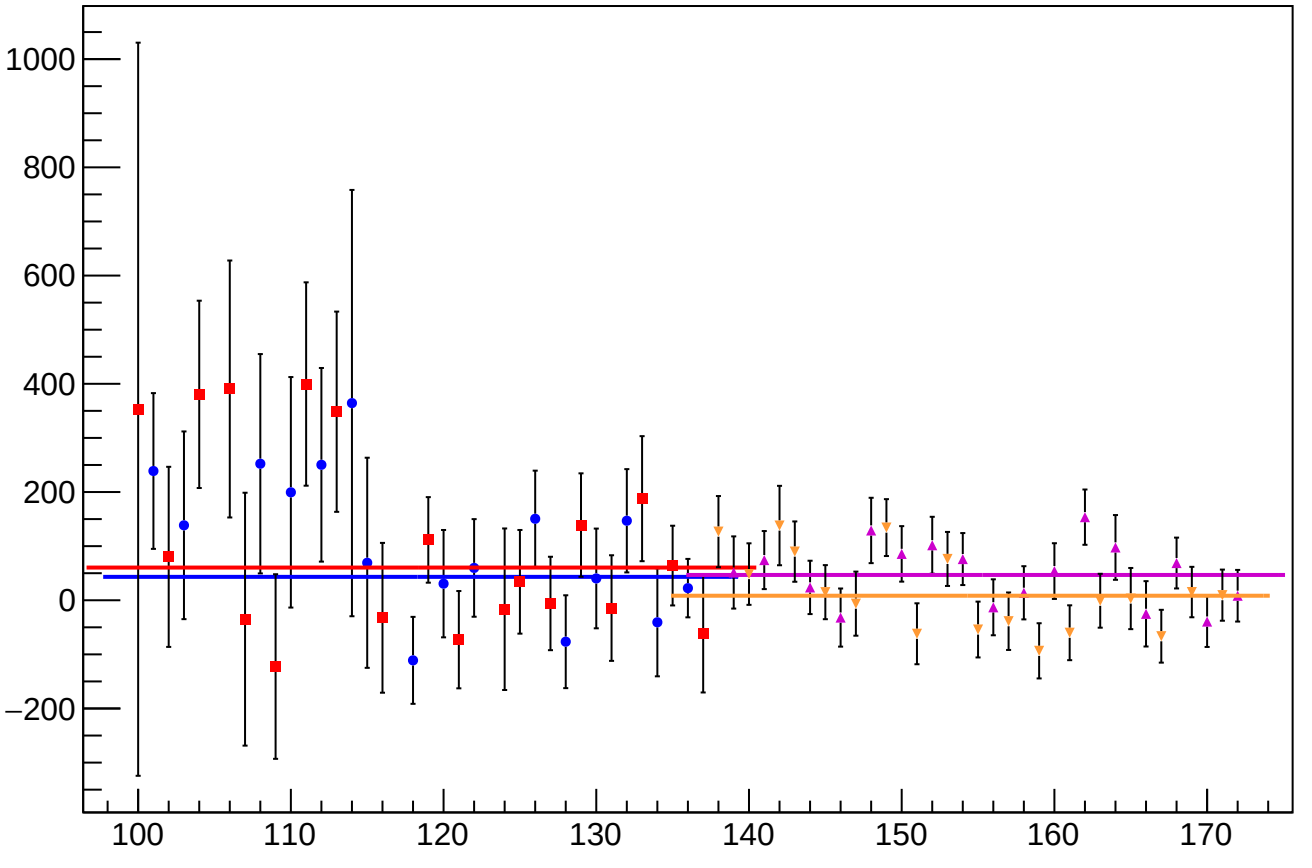
Left: 259.081+/-0.035 χ^2/NDF: 2602156.4/34

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 282.168+/-0.048 χ^2/NDF:6915591.7/32

Out: 290.645+/-0.049 χ^2/NDF:7607862.0/36

All: 286.301+/-0.034 χ^2/NDF: 14538949.8/69



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 8.386+/-12.538 χ^2/NDF:28.7/17

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: 27.373+/-8.912 χ^2/NDF: 52.4/34

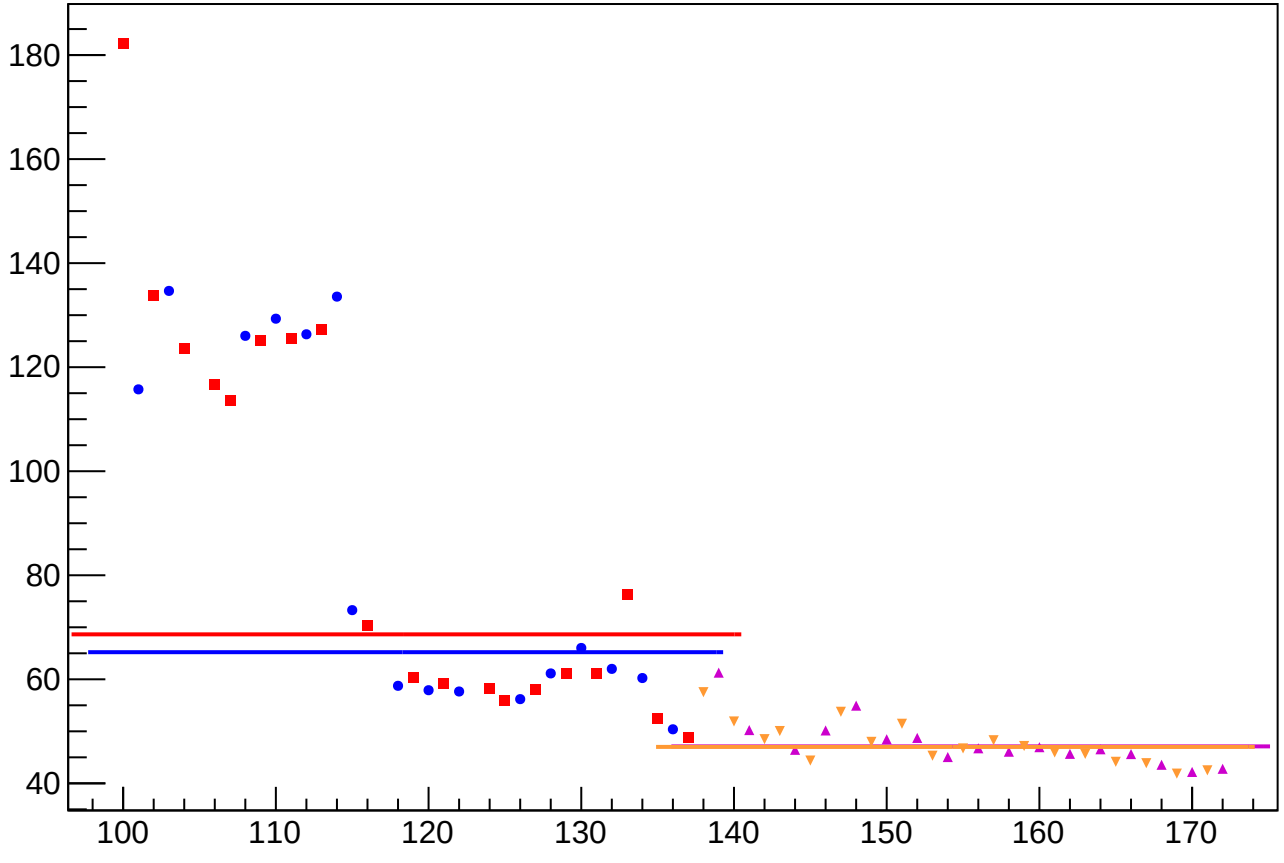
Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 46.077+/-11.371 χ^2/NDF:34.0/32

Out: 17.678+/-11.364 χ^2/NDF:52.1/36

All: 31.868+/-8.038 χ^2/NDF: 89.3/69

cor_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 47.006+/-0.009 χ^2/NDF:179186.4/17

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: 47.055+/-0.006 χ^2/NDF: 377283.0/34

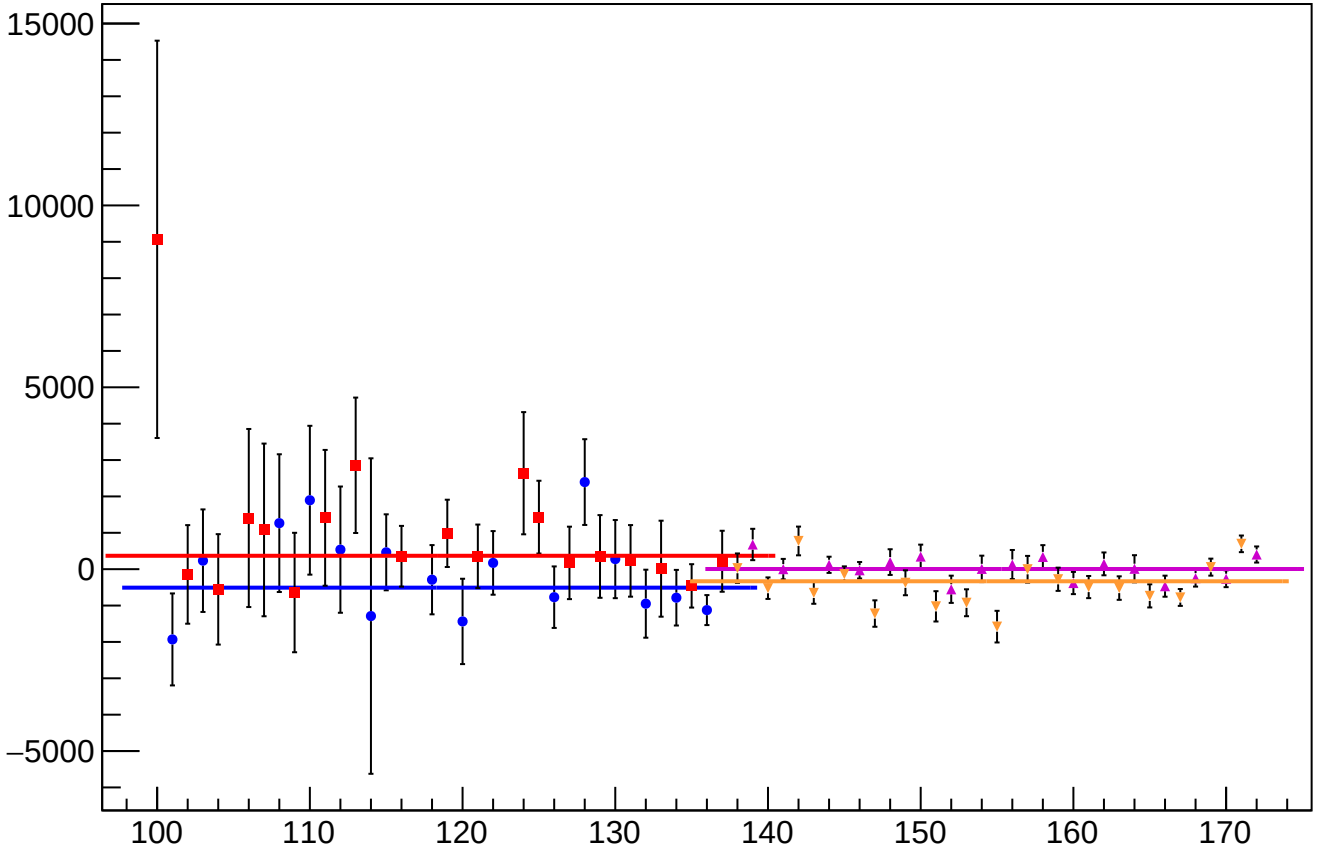
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 50.628+/-0.008 χ^2/NDF:2439205.8/32

Out: 50.869+/-0.008 χ^2/NDF:2879941.4/36

All: 50.749+/-0.006 χ^2/NDF: 5319596.6/69

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: -332.560+/-71.582 χ^2/NDF:60.3/17

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 4.959+/-70.128 χ^2/NDF:17.7/16

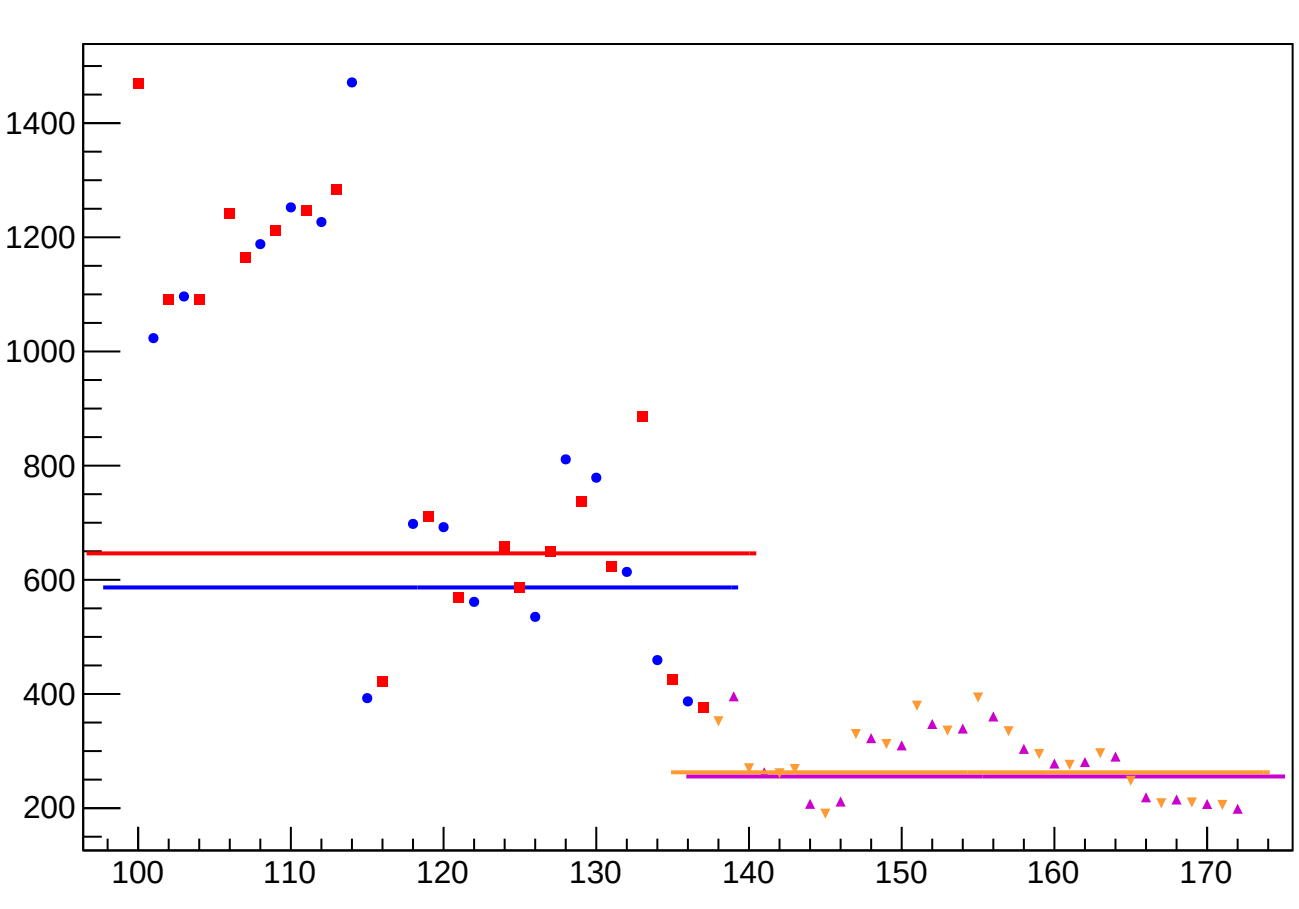
Left: -160.338+/-50.094 χ^2/NDF: 89.4/34

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -36.348+/-67.244 χ^2/NDF:37.6/32

Out: -281.931+/-68.948 χ^2/NDF:78.5/36

All: -156.068+/-48.140 χ^2/NDF: 122.7/69



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 262.815+/-0.051 χ^2/NDF:1320846.6/17

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 255.497+/-0.050 χ^2/NDF:1270646.6/16

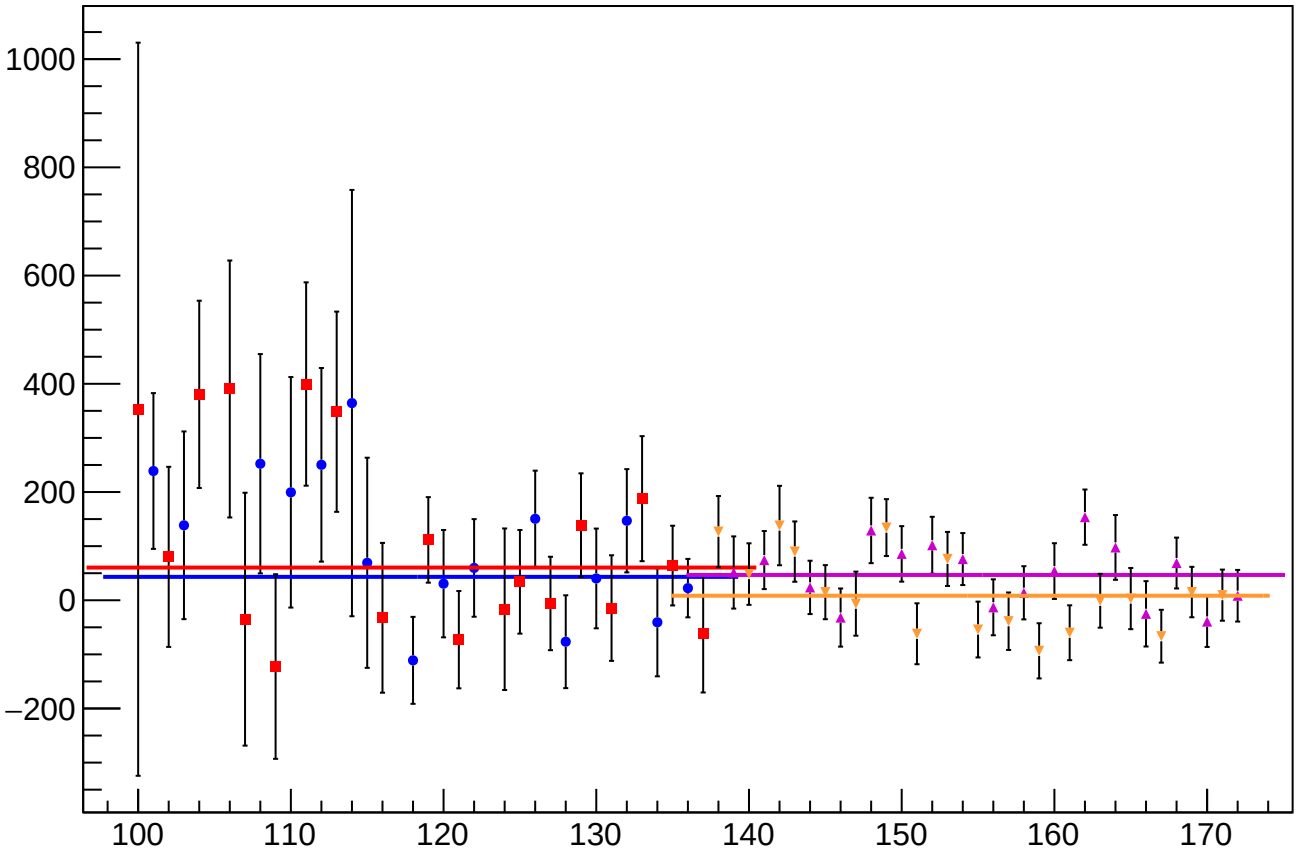
Left: 259.081+/-0.035 χ^2/NDF: 2602157.9/34

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 282.168+/-0.048 χ^2/NDF:6915606.3/32

Out: 290.518+/-0.049 χ^2/NDF:7531075.7/36

All: 286.239+/-0.034 χ^2/NDF: 14461715.2/69



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 8.386+/-12.538 χ^2/NDF:28.7/17

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 46.762+/-12.670 χ^2/NDF:19.1/16

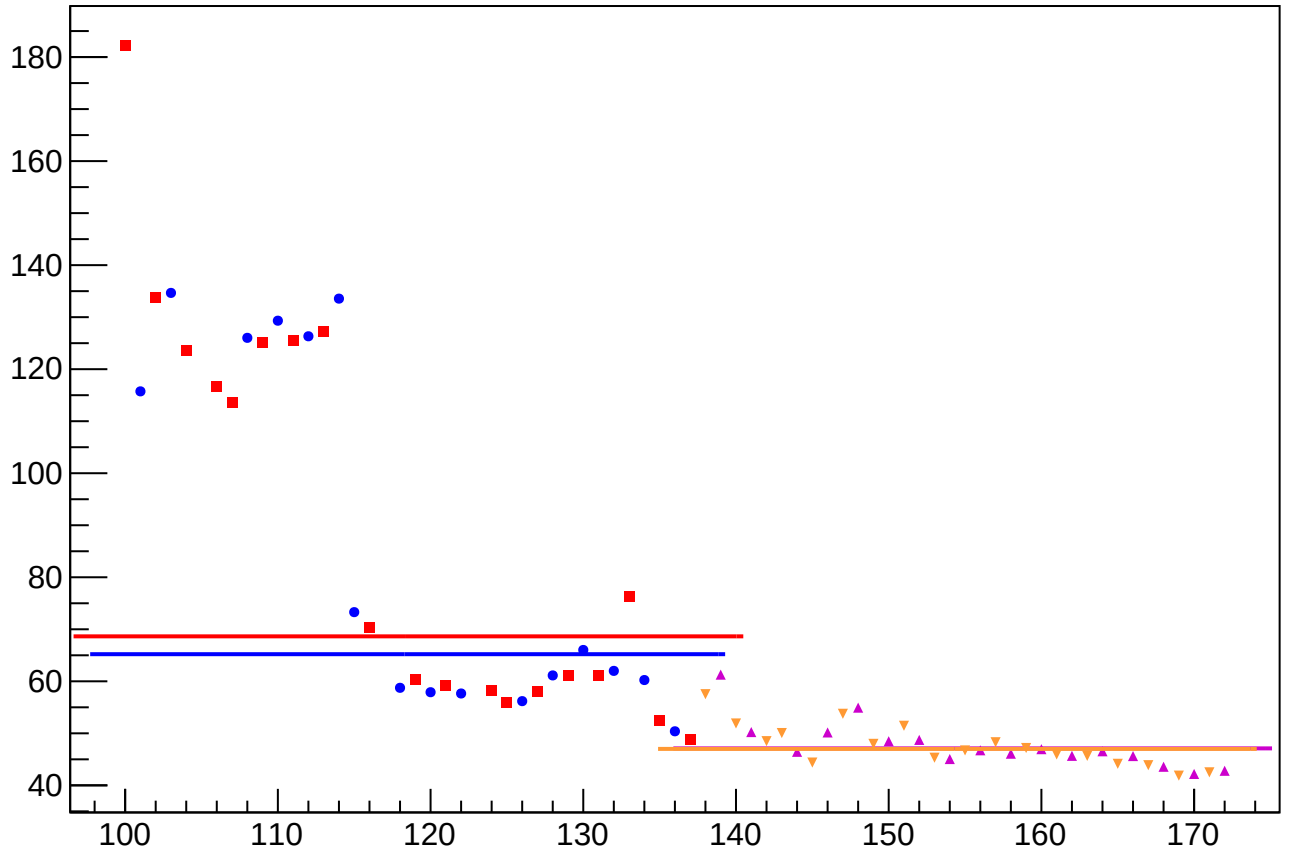
Left: 27.373+/-8.912 χ^2/NDF: 52.4/34

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 46.077+/-11.371 χ^2/NDF:34.0/32

Out: 17.678+/-11.364 χ^2/NDF:52.1/36

All: 31.868+/-8.038 χ^2/NDF: 89.3/69



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 47.006+/-0.009 χ^2/NDF:179186.4/17

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: 47.055+/-0.006 χ^2/NDF: 377283.0/34

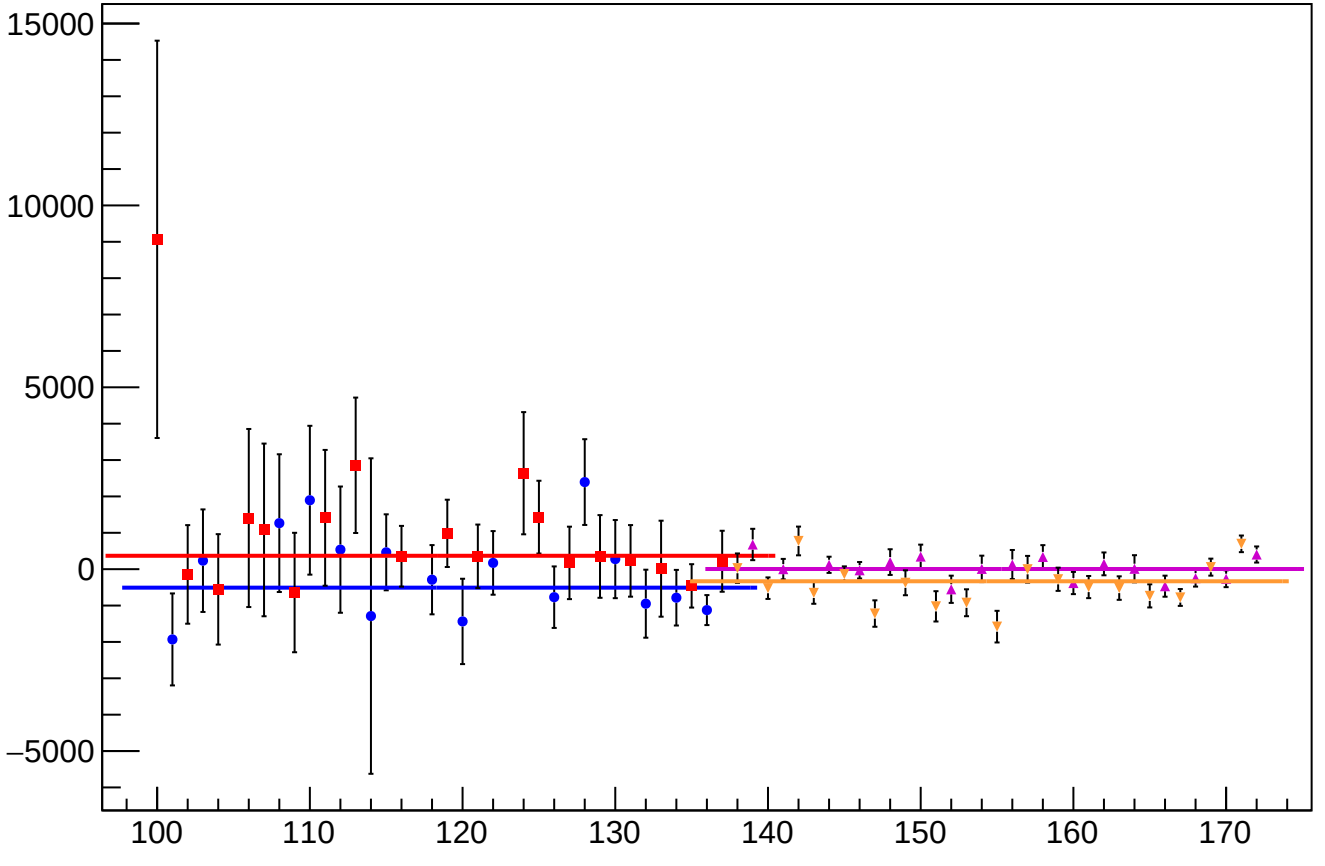
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 50.628+/-0.008 χ^2/NDF:2439205.8/32

Out: 50.869+/-0.008 χ^2/NDF:2879941.4/36

All: 50.749+/-0.006 χ^2/NDF: 5319596.6/69

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: -332.560+/-71.582 χ^2/NDF:60.3/17

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 4.959+/-70.128 χ^2/NDF:17.7/16

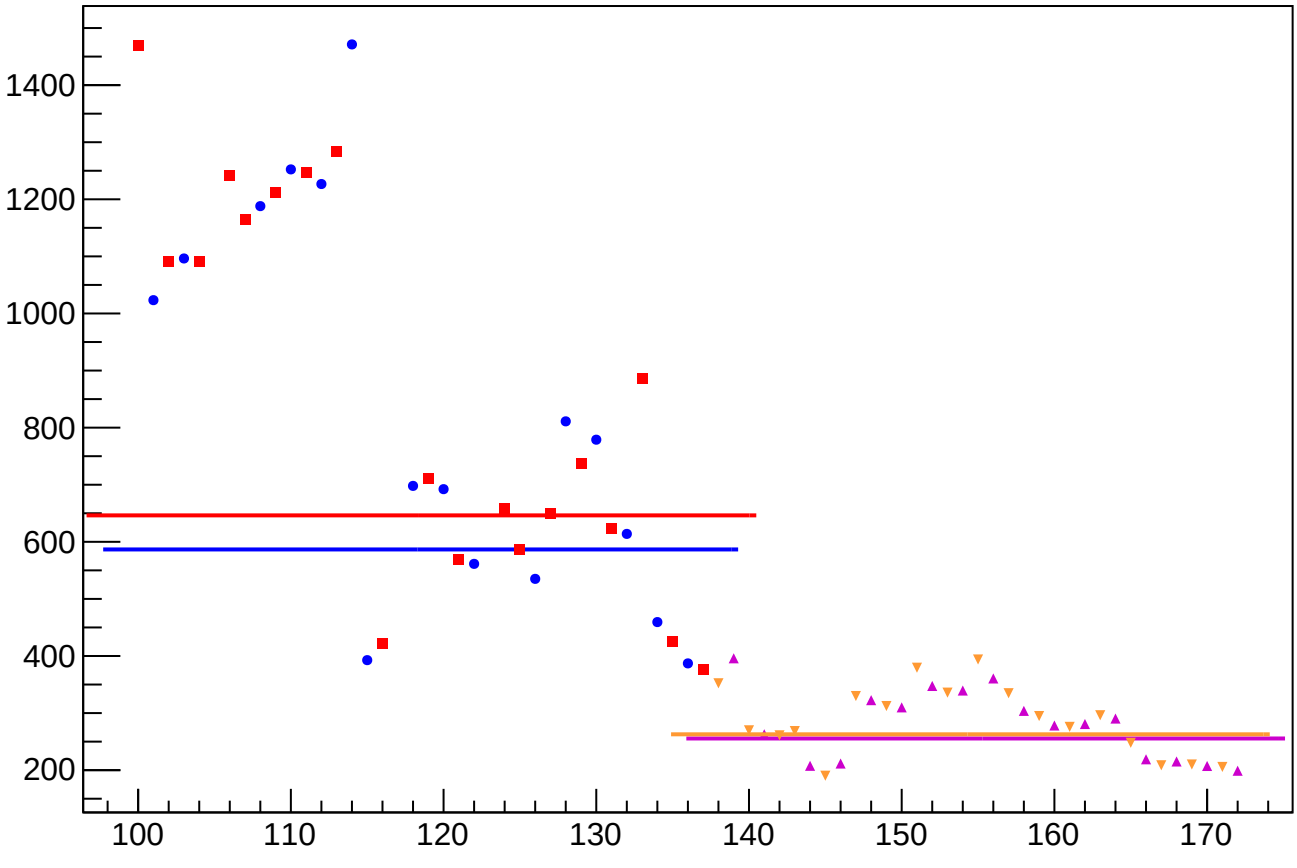
Left: -160.338+/-50.094 χ^2/NDF: 89.4/34

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -36.348+/-67.244 χ^2/NDF:37.6/32

Out: -281.931+/-68.948 χ^2/NDF:78.5/36

All: -156.068+/-48.140 χ^2/NDF: 122.7/69



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 262.815+/-0.051 χ^2/NDF:1320846.6/17

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 255.497+/-0.050 χ^2/NDF:1270646.6/16

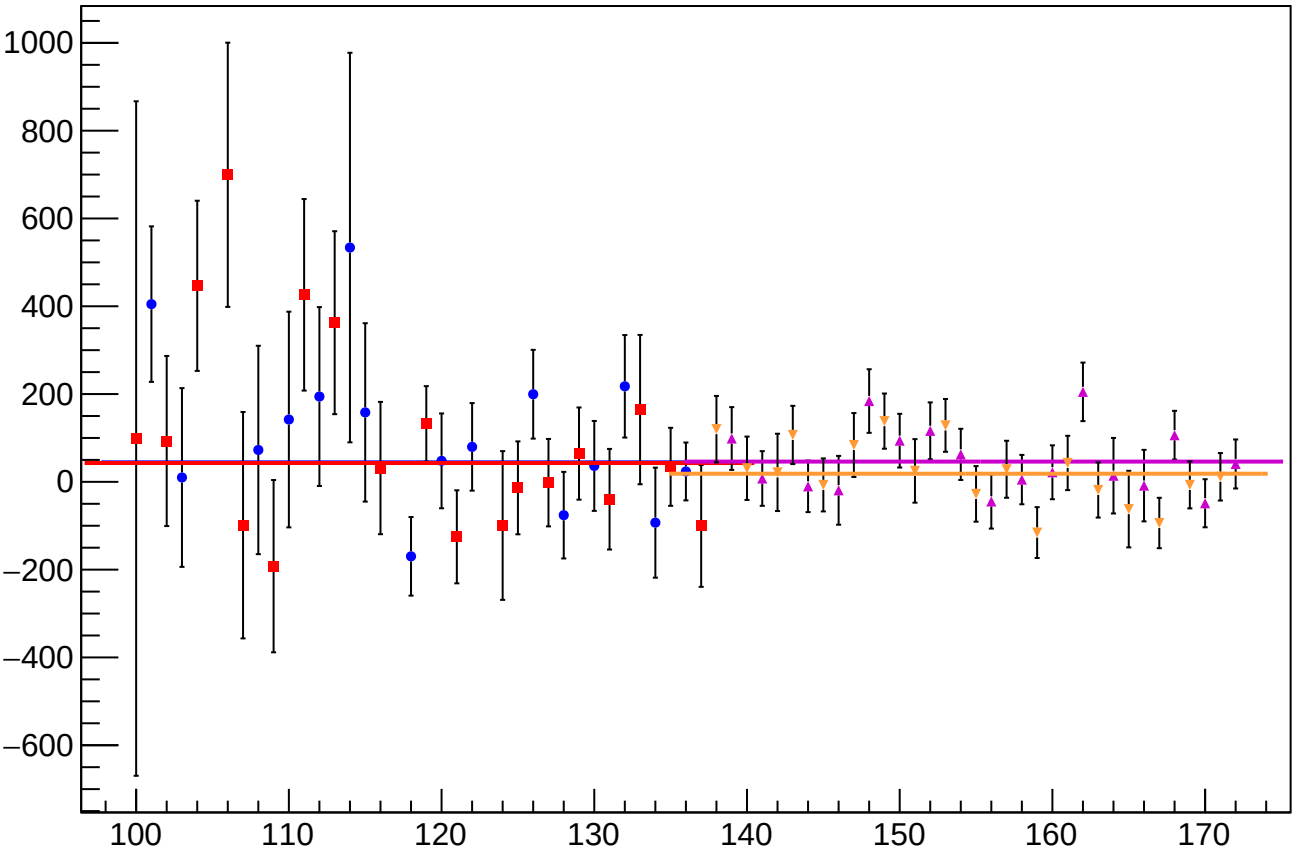
Left: 259.081+/-0.035 χ^2/NDF: 2602157.9/34

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 282.168+/-0.048 χ^2/NDF:6915606.3/32

Out: 290.518+/-0.049 χ^2/NDF:7531075.7/36

All: 286.239+/-0.034 χ^2/NDF: 14461715.2/69



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 18.522+/-15.192 χ^2/NDF:22.9/17

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 46.151+/-15.377 χ^2/NDF:21.3/16

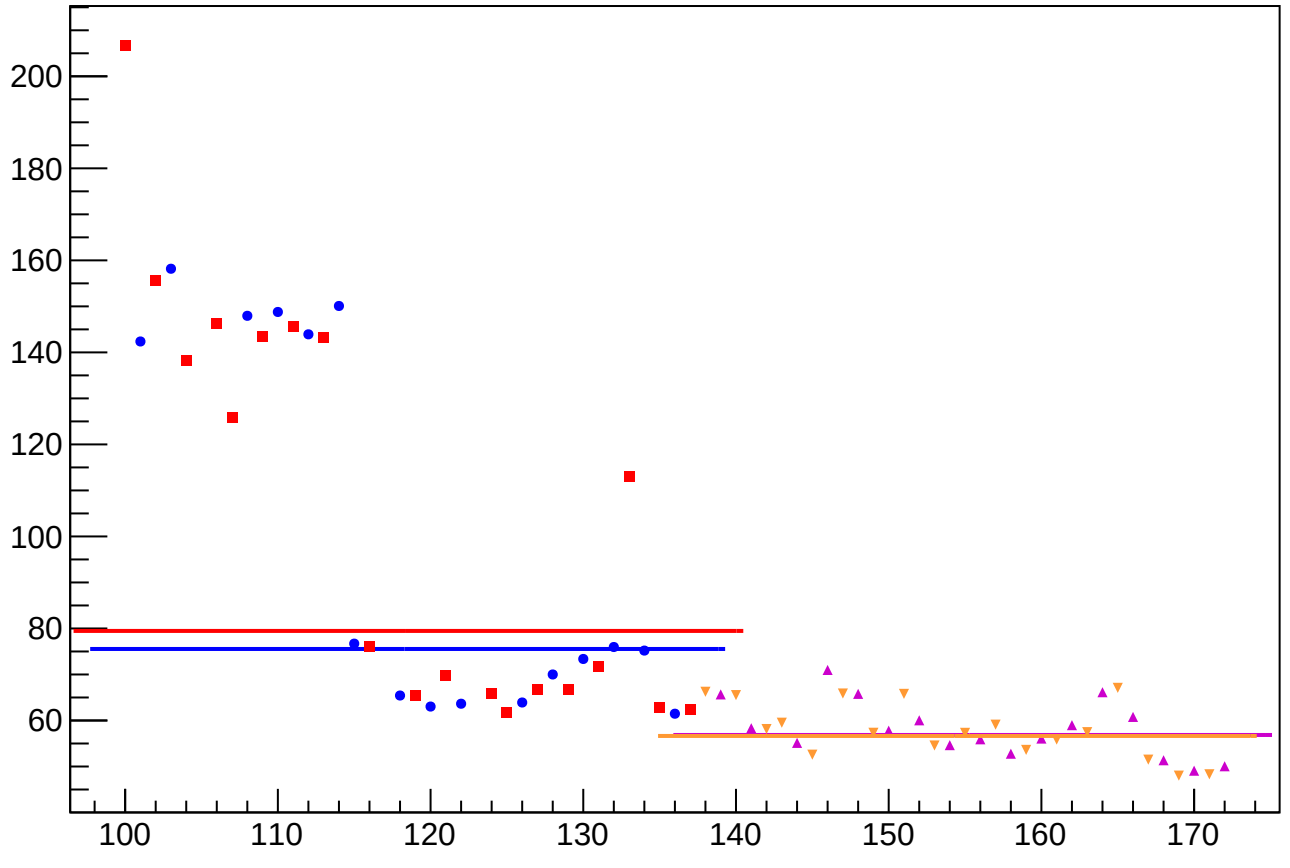
Left: 32.169+/-10.807 χ^2/NDF: 45.9/34

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 45.782+/-13.676 χ^2/NDF:40.9/32

Out: 23.183+/-13.663 χ^2/NDF:46.7/36

All: 34.472+/-9.666 χ^2/NDF: 89.0/69



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 56.641+/-0.011 χ^2/NDF:296143.9/17

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: 56.746+/-0.008 χ^2/NDF: 563946.9/34

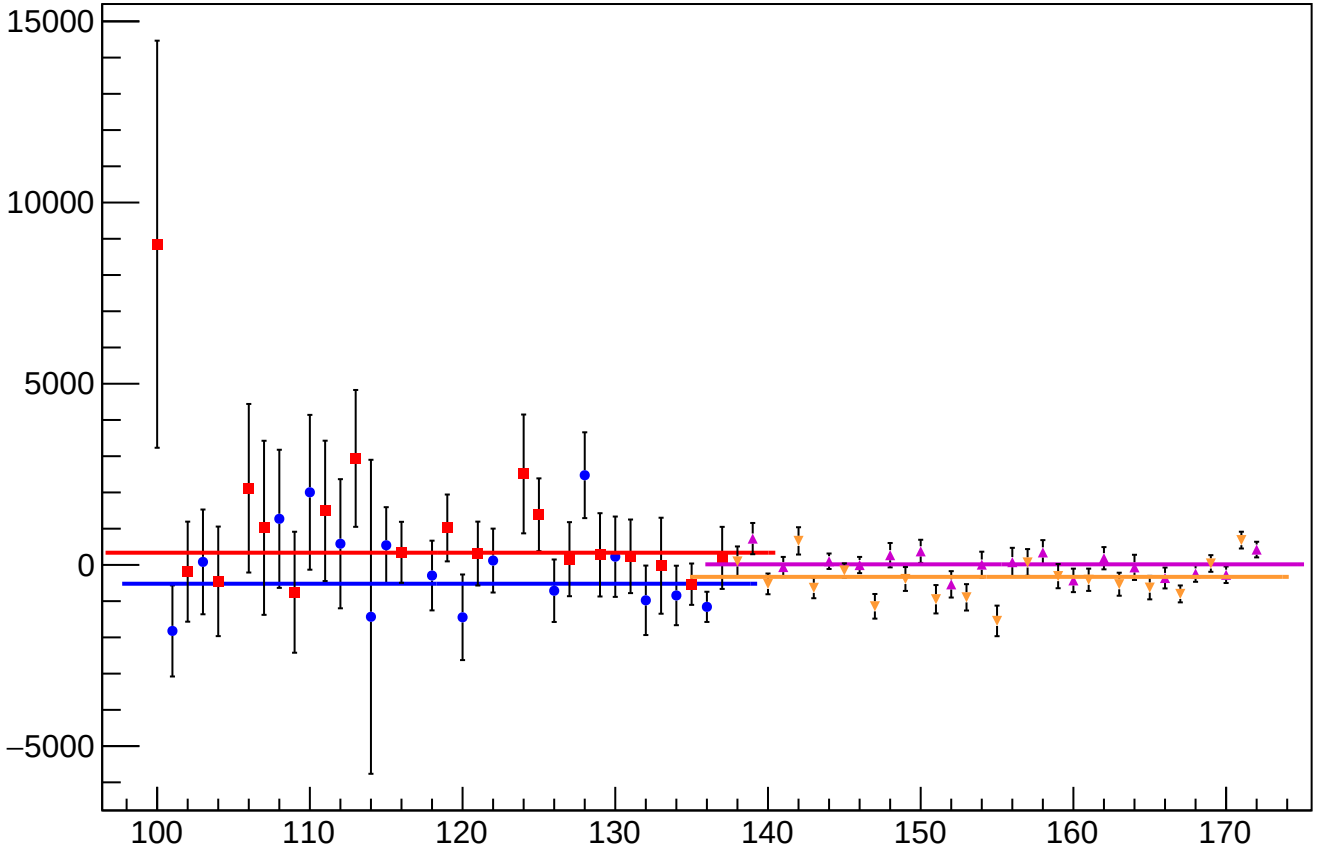
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 60.761+/-0.010 χ^2/NDF:2350960.4/32

Out: 61.005+/-0.010 χ^2/NDF:2842819.2/36

All: 60.883+/-0.007 χ^2/NDF: 5194096.8/69

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: -329.788+/-70.172 χ^2/NDF:57.7/17

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 15.945+/-69.099 χ^2/NDF:18.3/16

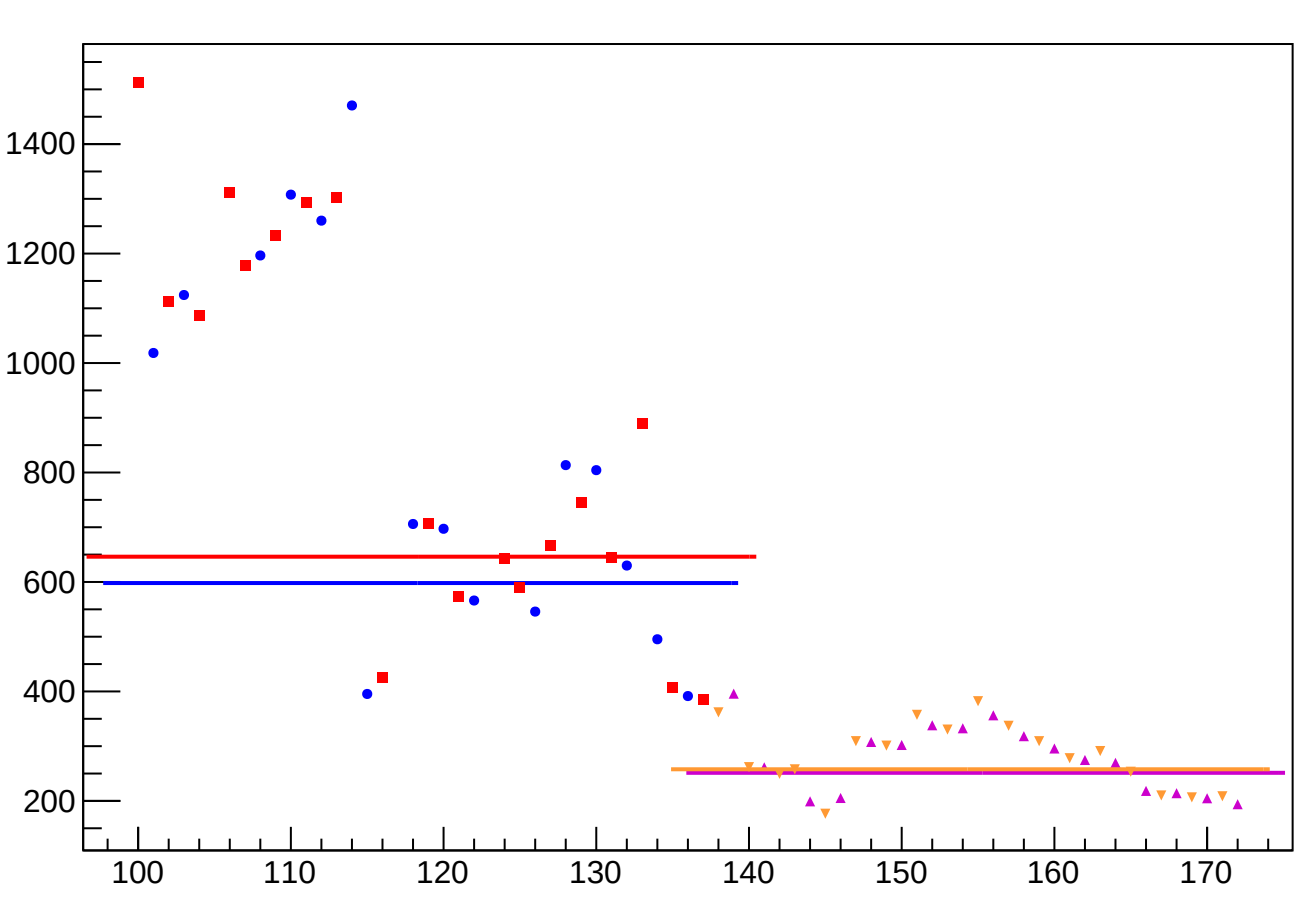
Left: -154.258+/-49.235 χ^2/NDF: 88.3/34

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: -24.611+/-66.429 χ^2/NDF:38.7/32

Out: -283.417+/-67.687 χ^2/NDF:75.8/36

All: -151.587+/-47.411 χ^2/NDF: 122.0/69



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 257.781+/-0.050 χ^2/NDF:1377754.1/17

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 251.326+/-0.049 χ^2/NDF:1334780.6/16

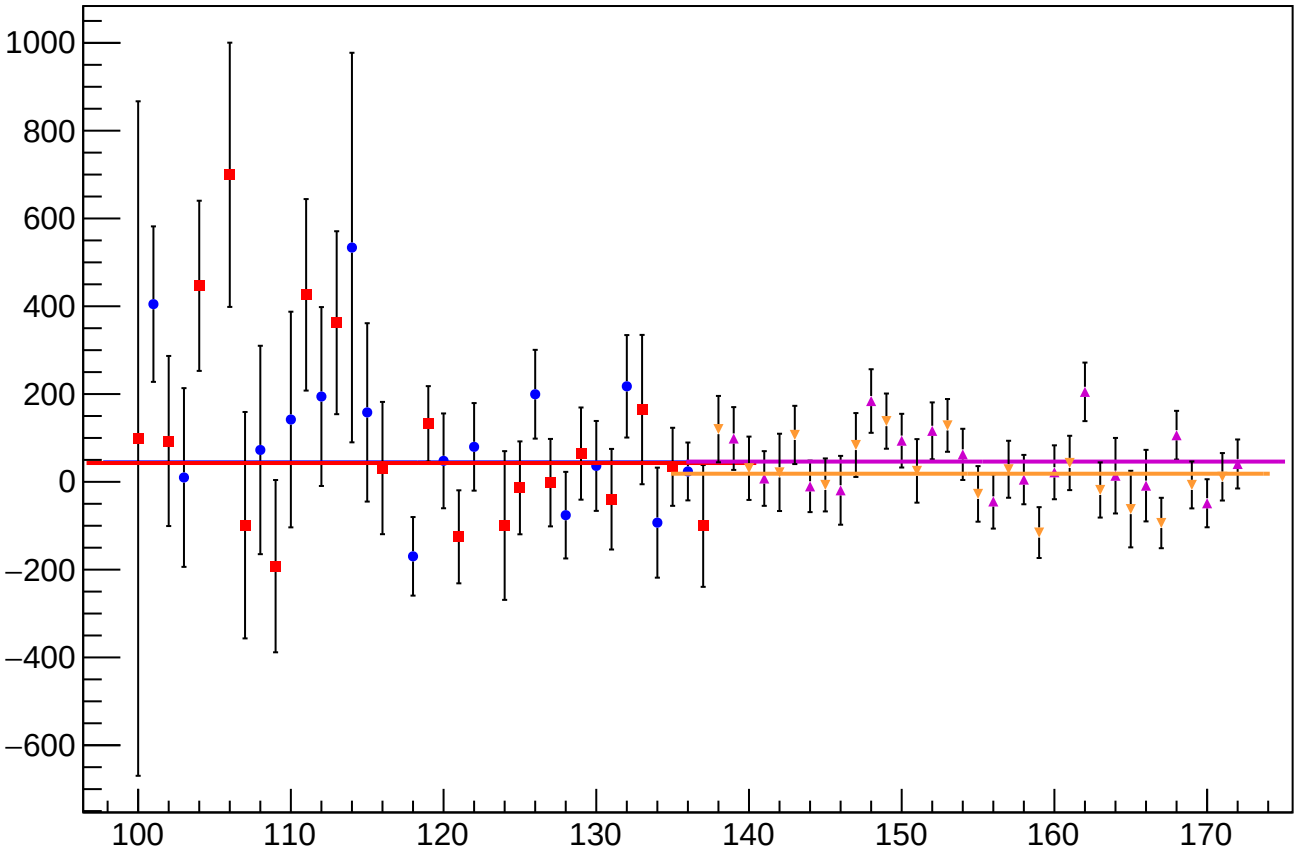
Left: 254.504+/-0.035 χ^2/NDF: 2721126.3/34

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 277.600+/-0.047 χ^2/NDF:7198398.3/32

Out: 284.803+/-0.048 χ^2/NDF:7846222.1/36

All: 281.134+/-0.034 χ^2/NDF: 15056159.1/69



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 18.521+/-15.192 χ^2/NDF:22.9/17

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 46.150+/-15.377 χ^2/NDF:21.3/16

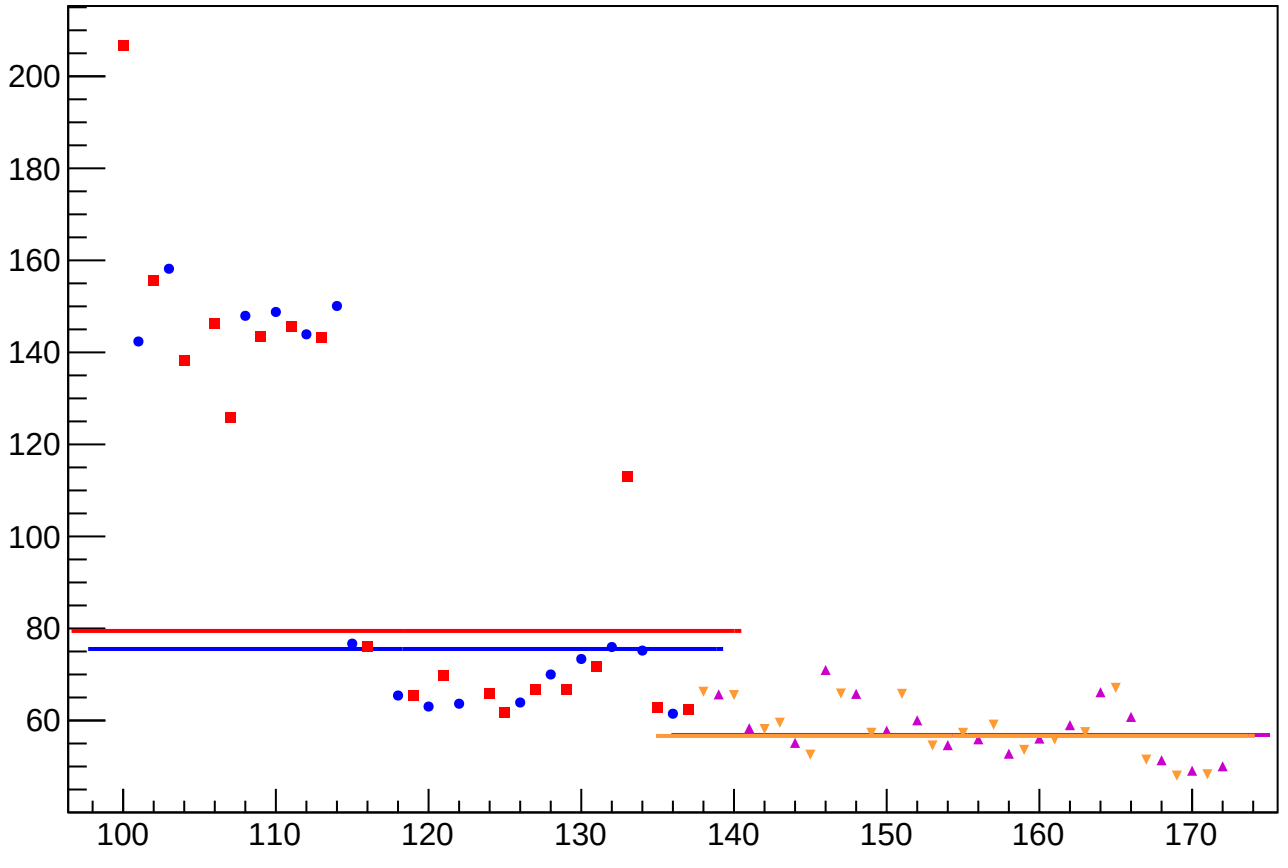
Left: 32.168+/-10.807 χ^2/NDF: 45.9/34

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 45.782+/-13.676 χ^2/NDF:40.9/32

Out: 23.182+/-13.663 χ^2/NDF:46.7/36

All: 34.471+/-9.666 χ^2/NDF: 89.0/69



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 56.641+/-0.011 χ^2/NDF:296143.5/17

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: 56.746+/-0.008 χ^2/NDF: 563946.9/34

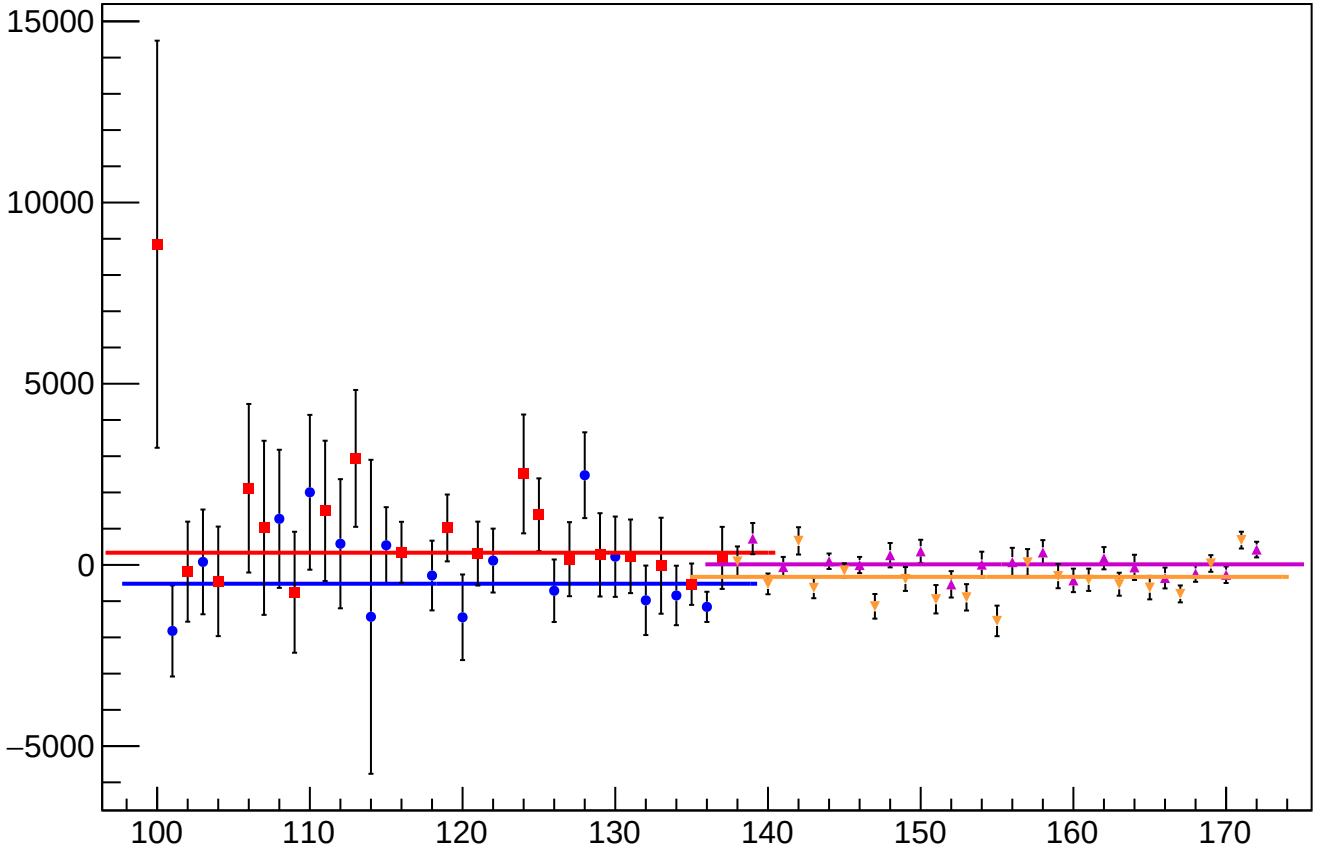
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 60.761+/-0.010 χ^2/NDF:2350915.7/32

Out: 61.005+/-0.010 χ^2/NDF:2842786.1/36

All: 60.883+/-0.007 χ^2/NDF: 5194018.9/69

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: -329.787+/-70.172 χ^2/NDF:57.7/17

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: -154.258+/-49.235 χ^2/NDF: 88.3/34

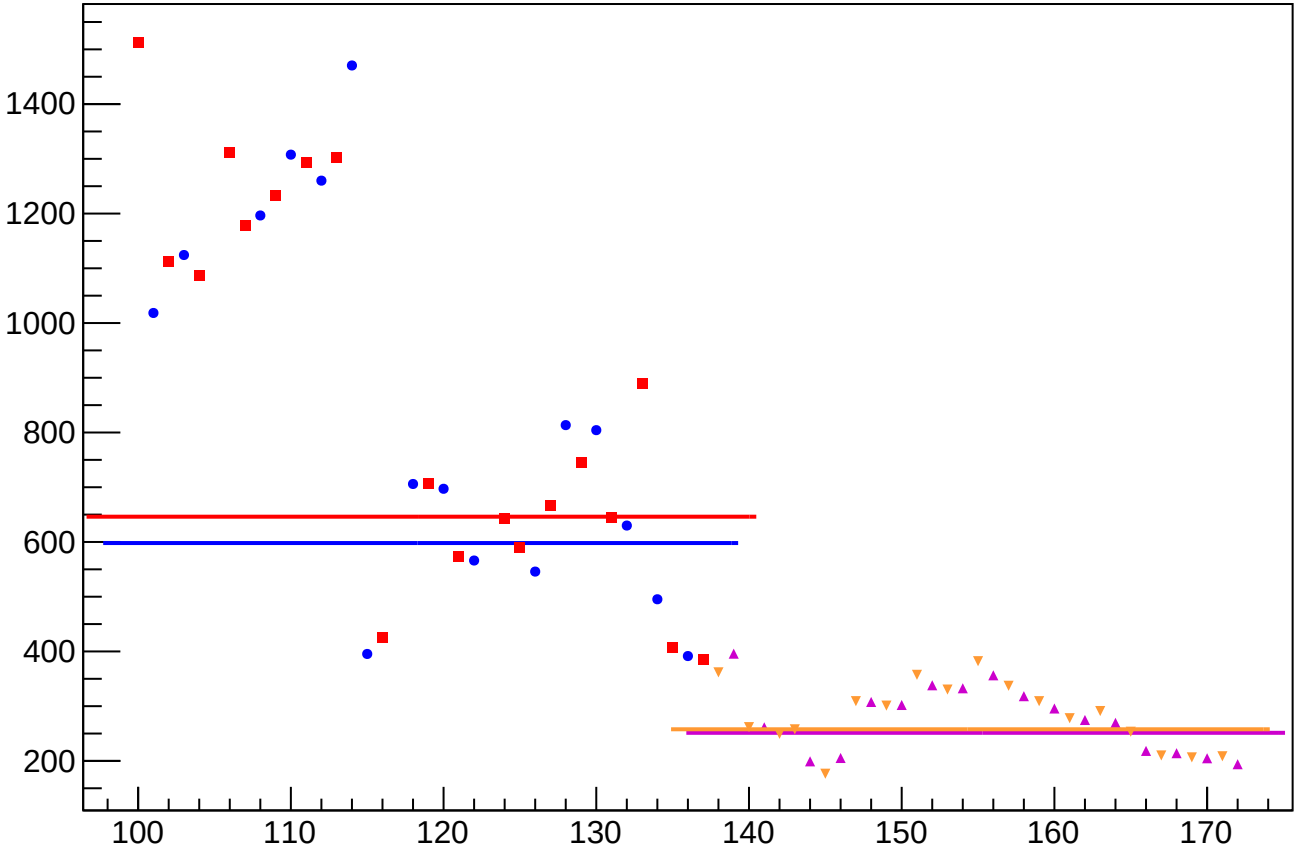
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: -24.612+/-66.429 χ^2/NDF:38.7/32

Out: -283.416+/-67.687 χ^2/NDF:75.8/36

All: -151.587+/-47.411 χ^2/NDF: 122.0/69

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: 257.780+/-0.050 χ^2/NDF:1377772.8/17

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 251.326+/-0.049 χ^2/NDF:1334773.9/16

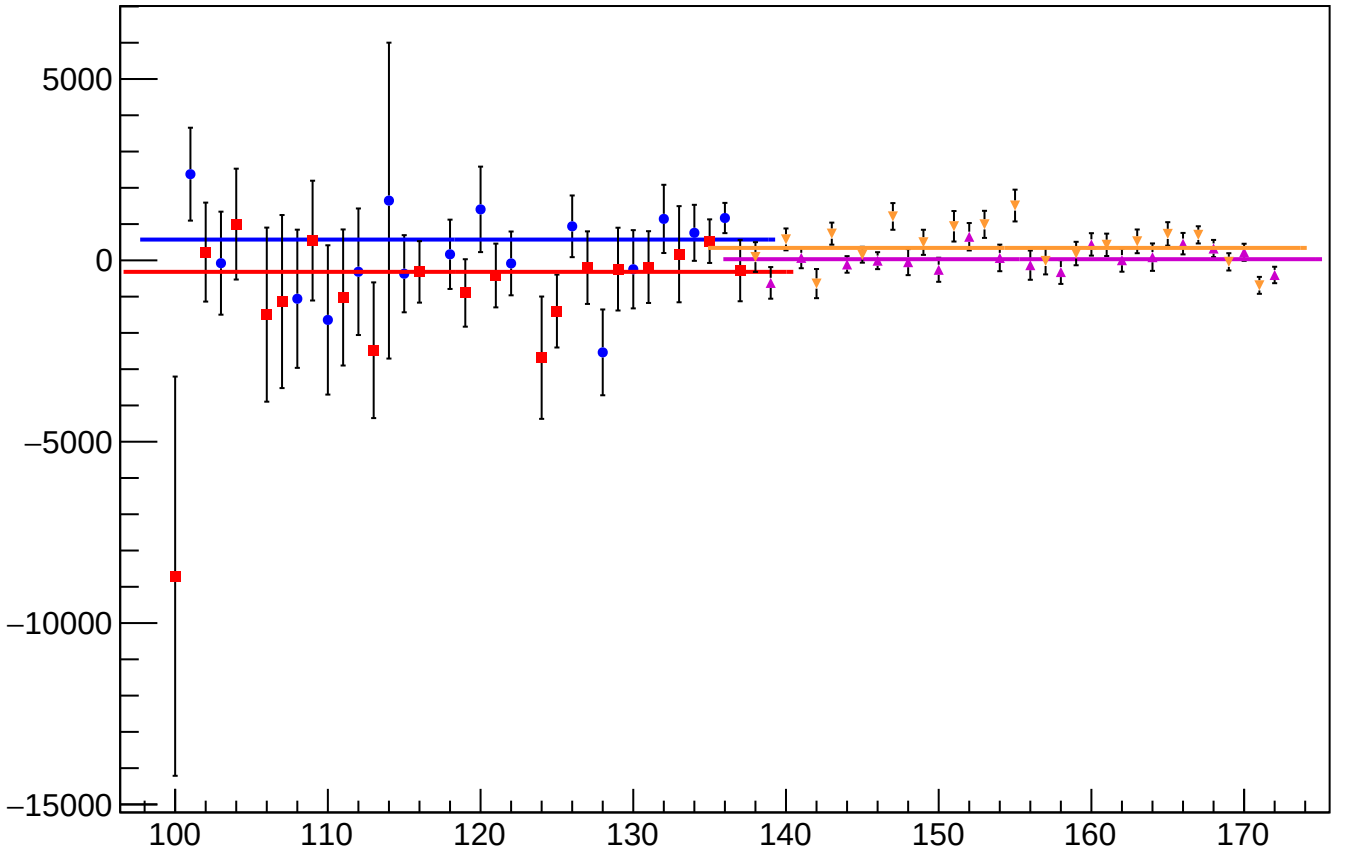
Left: 254.503+/-0.035 χ^2/NDF: 2721136.8/34

Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 277.599+/-0.047 χ^2/NDF:7198378.8/32

Out: 284.802+/-0.048 χ^2/NDF:7846244.1/36

All: 281.133+/-0.034 χ^2/NDF: 15056159.7/69



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 343.361+/-72.826 χ^2/NDF:54.7/17

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: 184.932+/-51.008 χ^2/NDF: 81.3/34

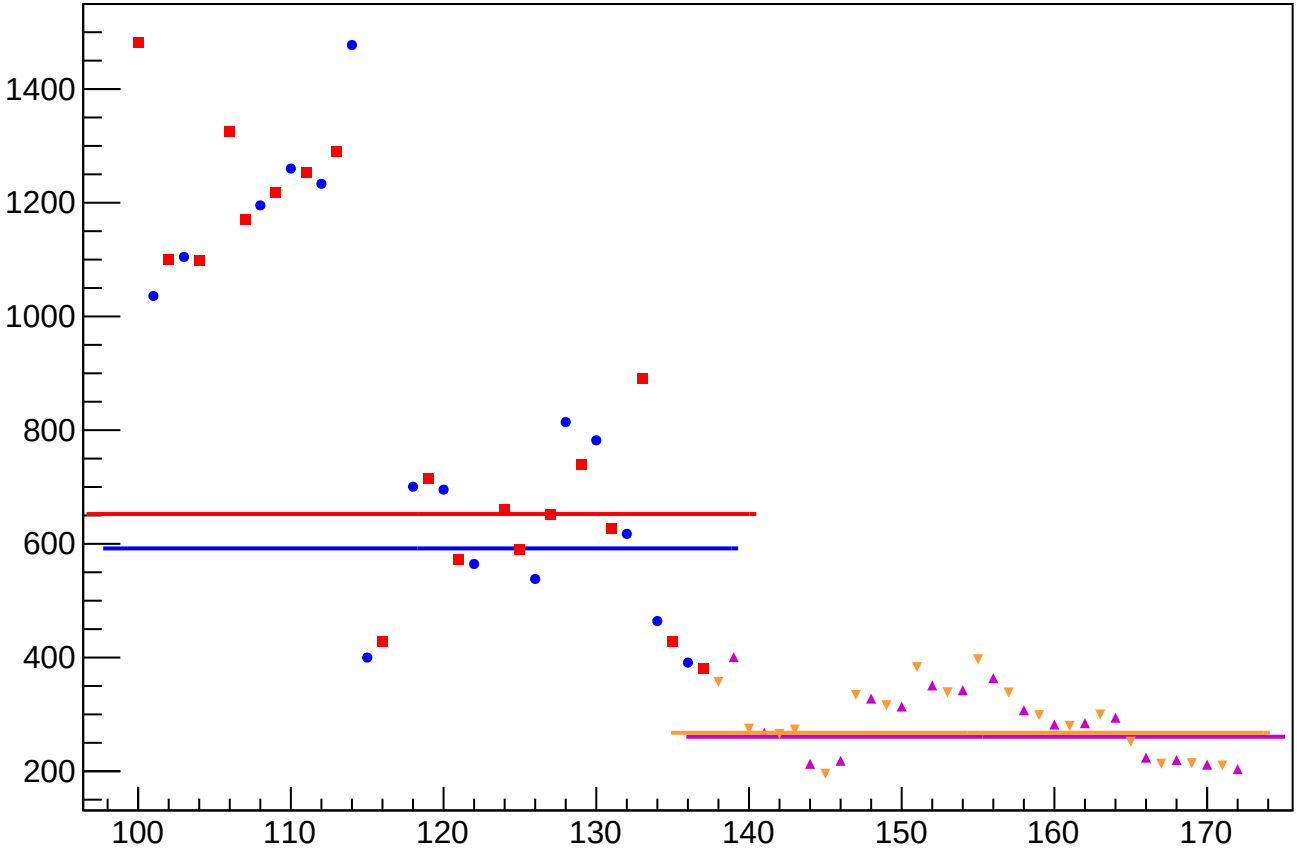
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 76.797+/-68.468 χ^2/NDF:38.5/32

Out: 294.723+/-70.092 χ^2/NDF:71.8/36

All: 183.206+/-48.978 χ^2/NDF: 115.3/69

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 267.694+/-0.051 χ^2/NDF:1260854.5/17

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 260.709+/-0.051 χ^2/NDF:1205907.2/16

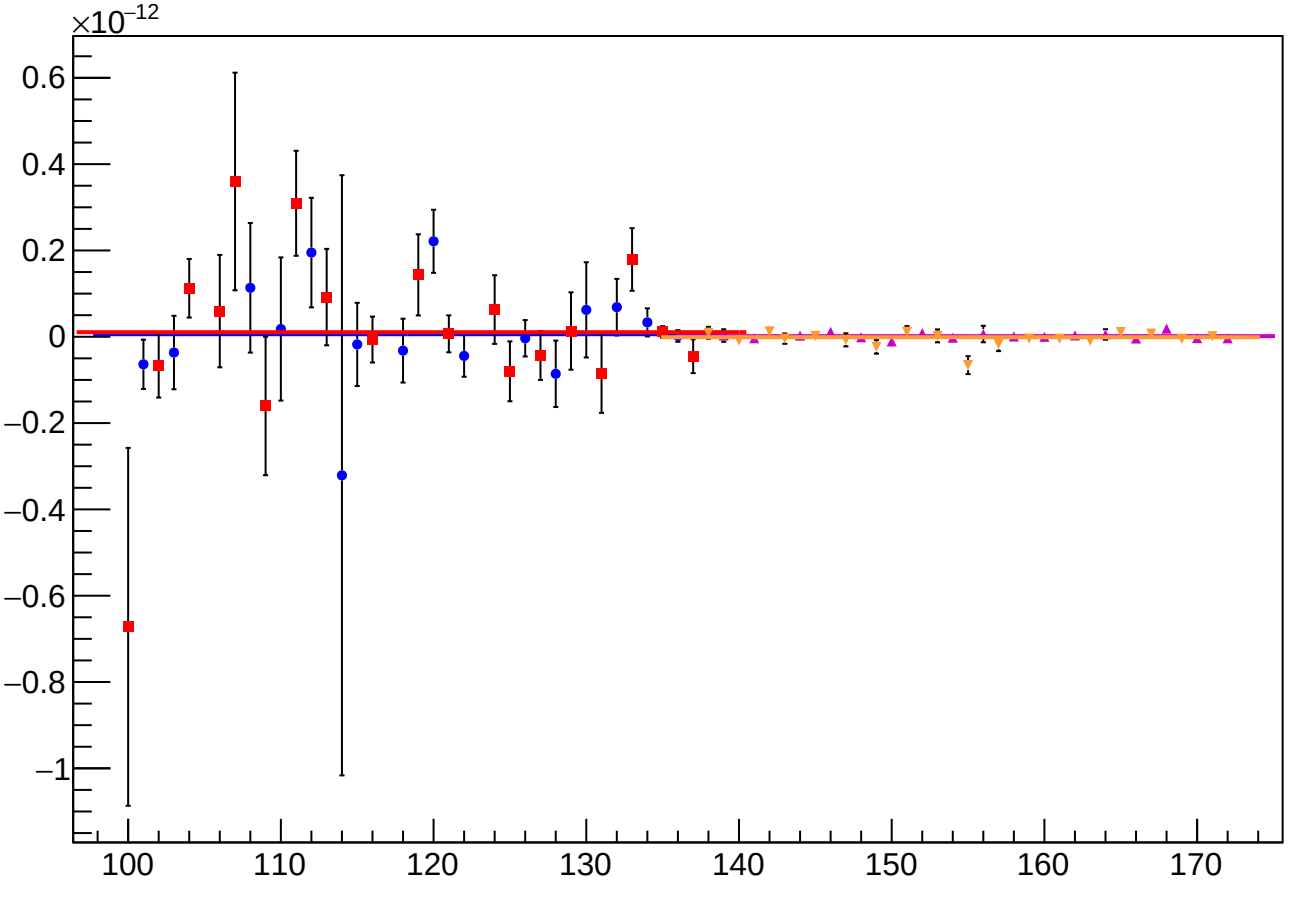
Left: 264.136+/-0.036 χ^2/NDF: 2476135.6/34

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 287.913+/-0.048 χ^2/NDF:6770645.5/32

Out: 296.040+/-0.050 χ^2/NDF:7463691.7/36

All: 291.882+/-0.035 χ^2/NDF: 14248095.9/69



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:9.5/16

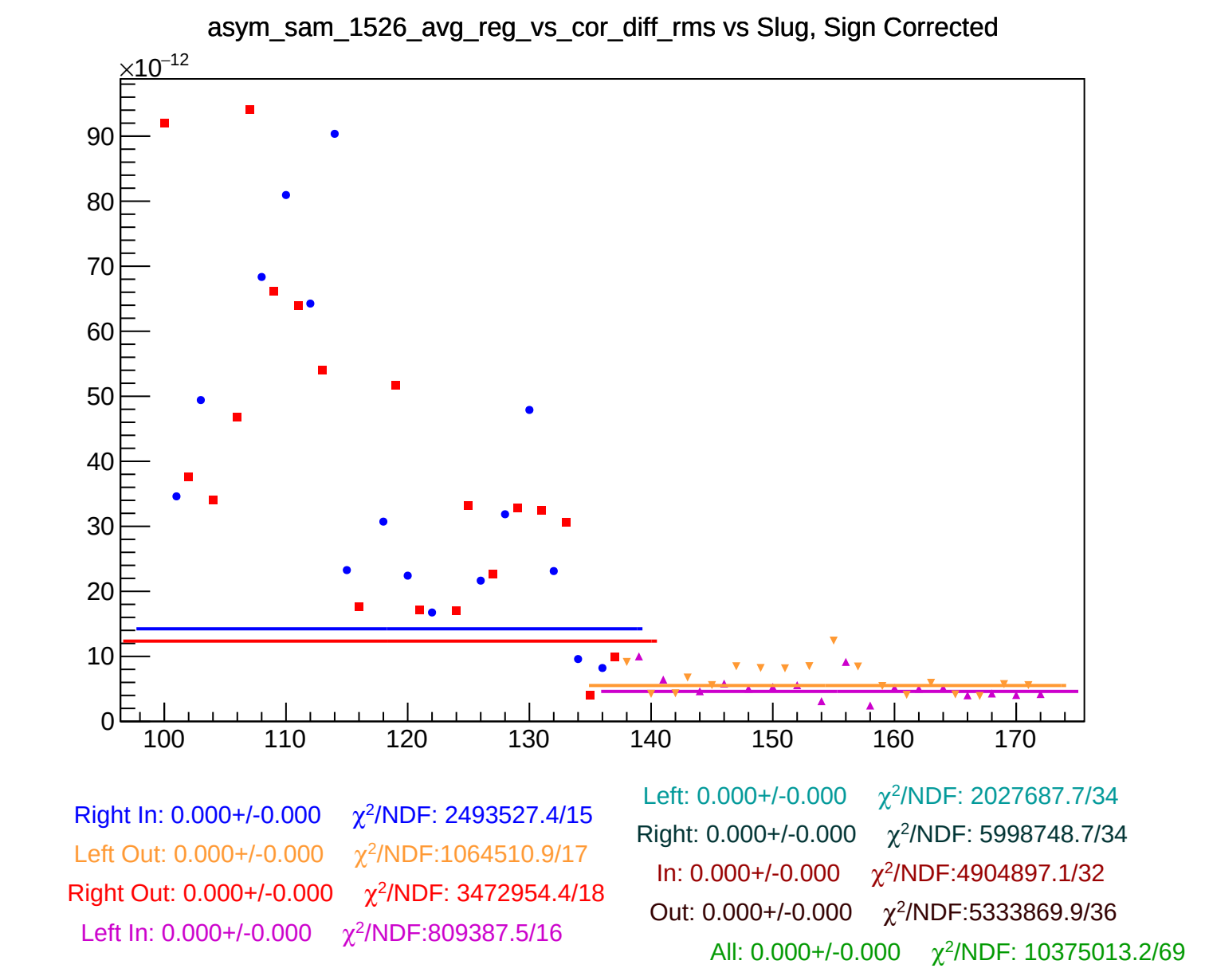
Left: 0.000+/-0.000 χ^2/NDF: 31.7/34

Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

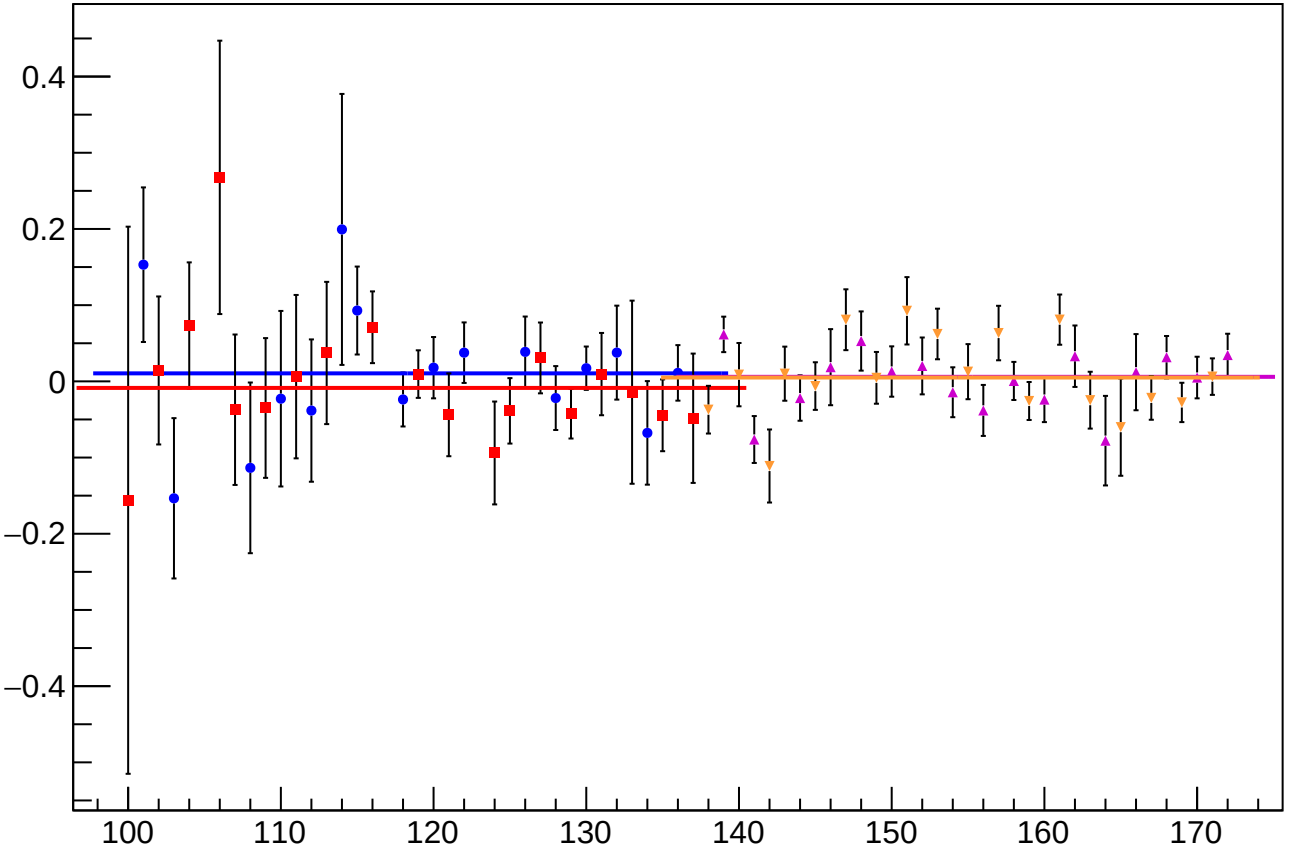
In: 0.000+/-0.000 χ^2/NDF:27.9/32

Out: -0.000+/-0.000 χ^2/NDF:52.3/36

All: 0.000+/-0.000 χ^2/NDF: 80.6/69


asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2493527.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1064510.9/17
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:809387.5/16
Left: 0.000+/-0.000 χ²/NDF: 2027687.7/34
Right: 0.000+/-0.000 χ²/NDF: 5998748.7/34
In: 0.000+/-0.000 χ²/NDF:4904897.1/32
Out: 0.000+/-0.000 χ²/NDF:5333869.9/36
All: 0.000+/-0.000 χ²/NDF: 10375013.2/69

asym_sam_1526_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.008 χ^2/NDF:32.0/17

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: 0.005+/-0.006 χ^2/NDF: 55.1/34

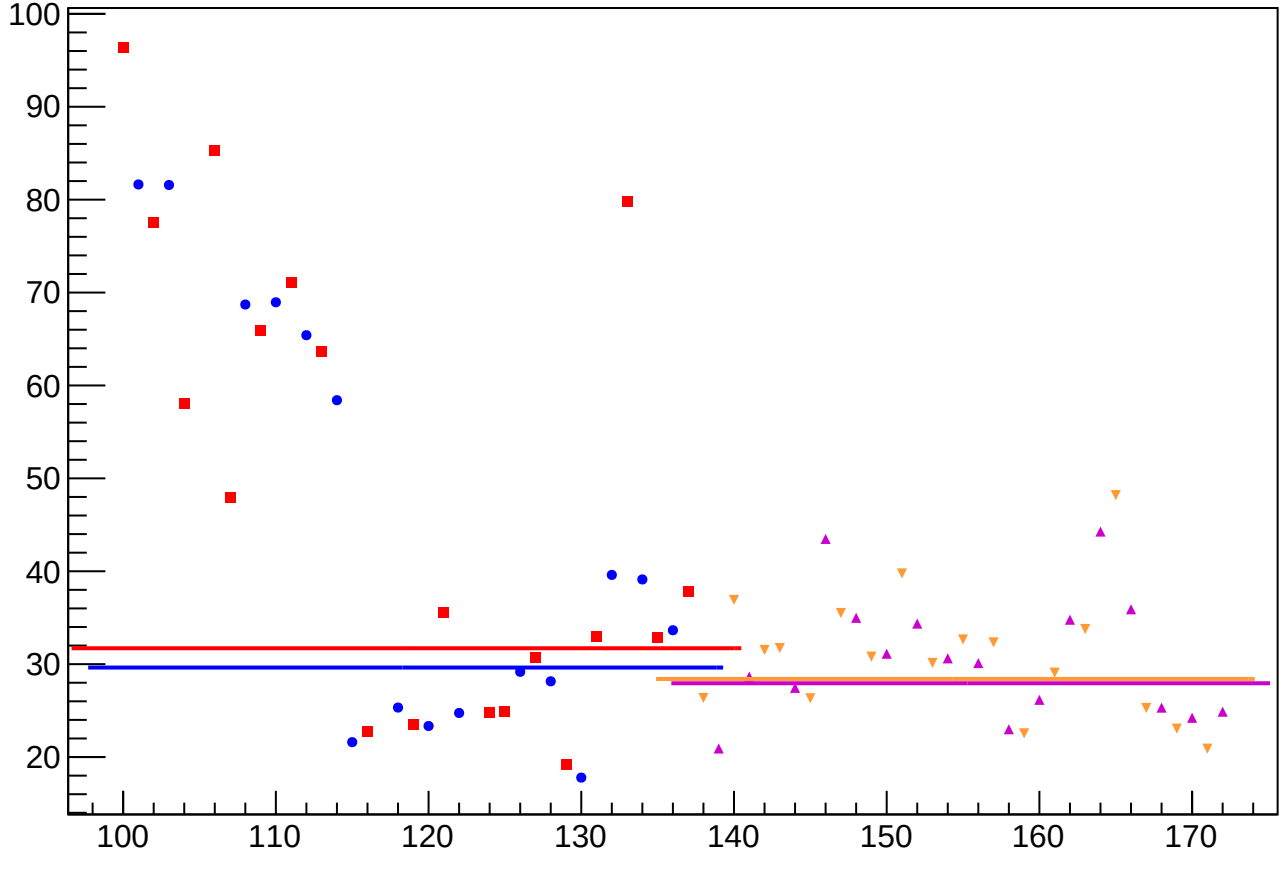
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.007 χ^2/NDF:36.3/32

Out: 0.001+/-0.007 χ^2/NDF:45.3/36

All: 0.004+/-0.005 χ^2/NDF: 81.9/69

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: 28.407+/-0.006 χ^2/NDF:1040817.2/17

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: 28.174+/-0.004 χ^2/NDF: 2013979.4/34

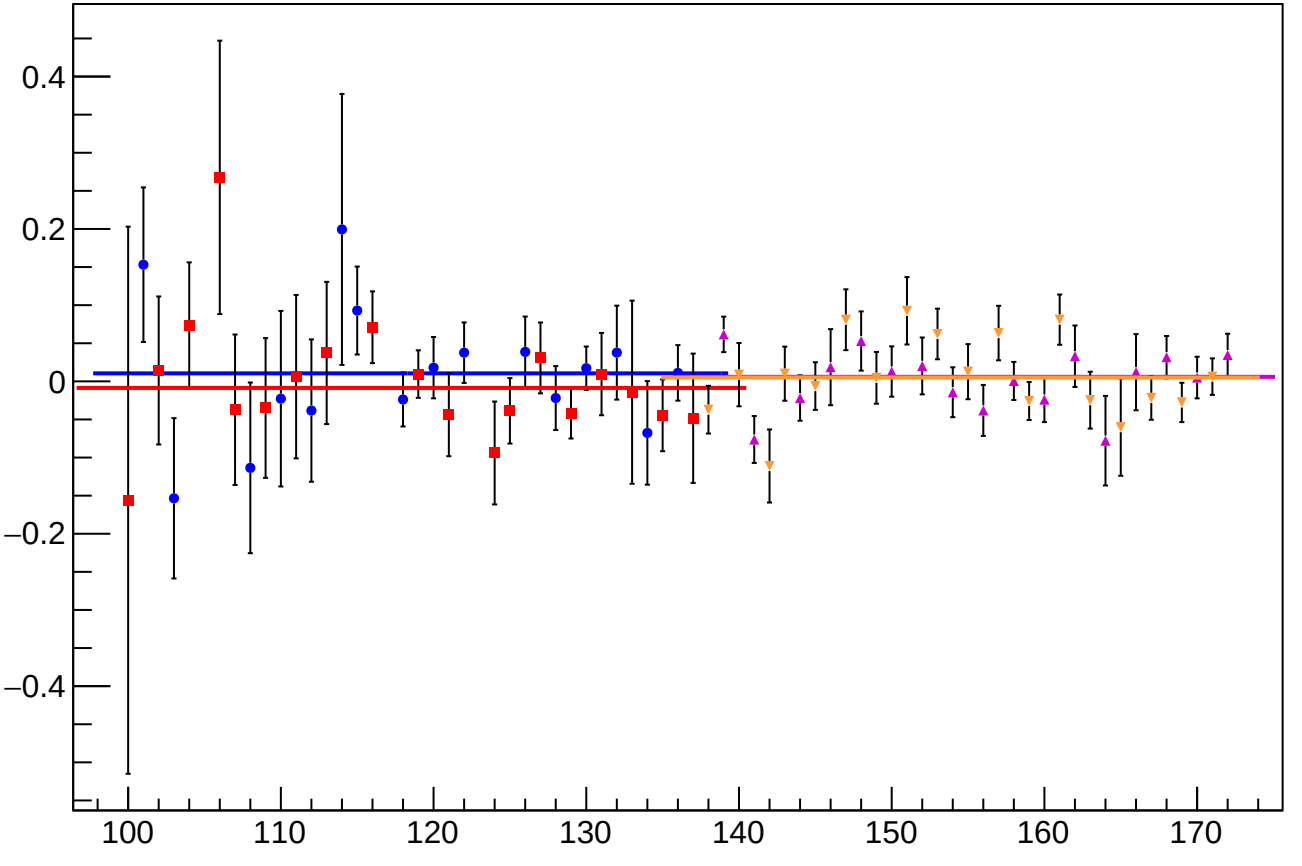
Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.413+/-0.005 χ^2/NDF:3444308.6/32

Out: 29.265+/-0.005 χ^2/NDF:3784583.0/36

All: 28.831+/-0.003 χ^2/NDF: 7245126.6/69

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.008 χ^2/NDF:32.0/17

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.006+/-0.008 χ^2/NDF:23.0/16

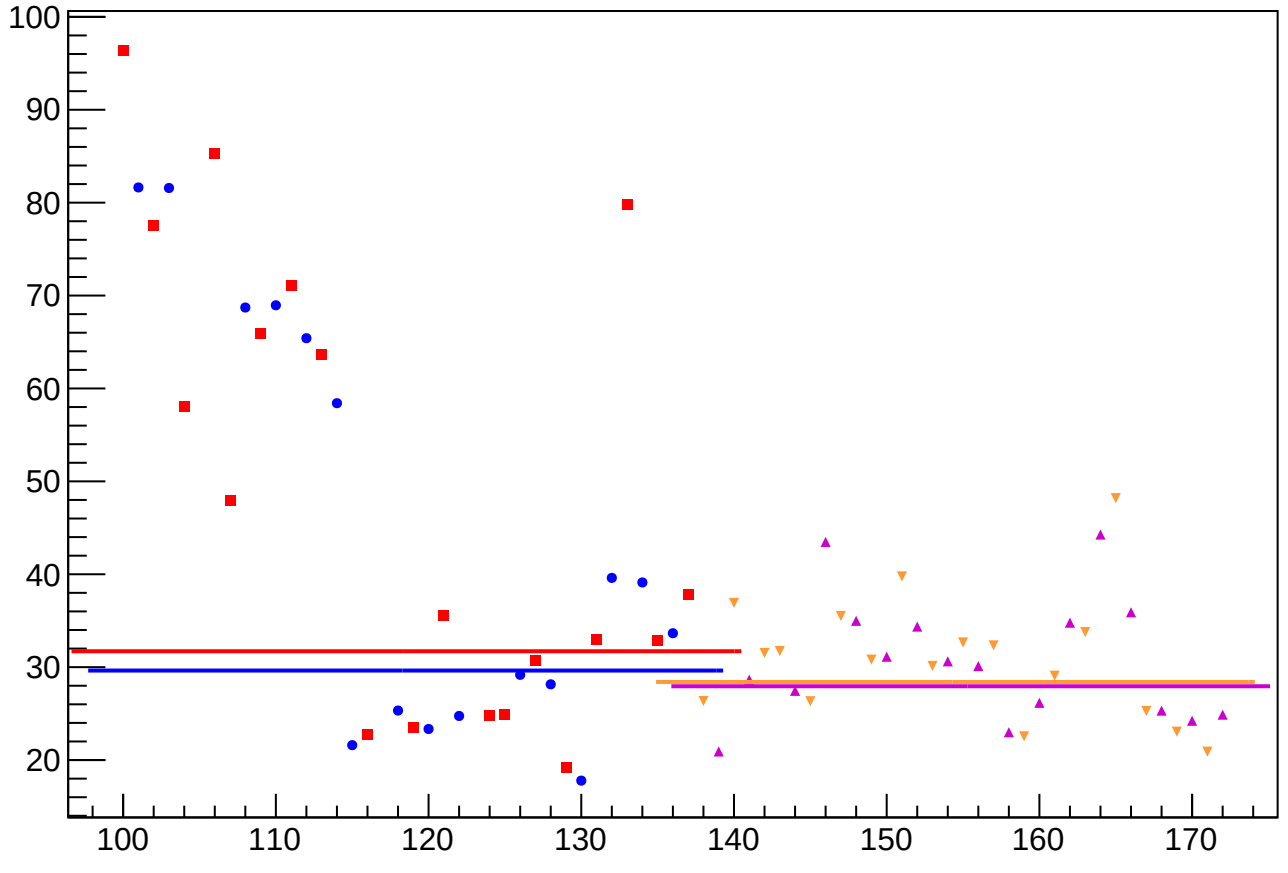
Left: 0.005+/-0.006 χ^2/NDF: 55.1/34

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.007 χ^2/NDF:36.3/32

Out: 0.001+/-0.007 χ^2/NDF:45.3/36

All: 0.004+/-0.005 χ^2/NDF: 81.9/69



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.407+/-0.006 χ^2/NDF:1040817.2/17

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 27.944+/-0.006 χ^2/NDF:969662.0/16

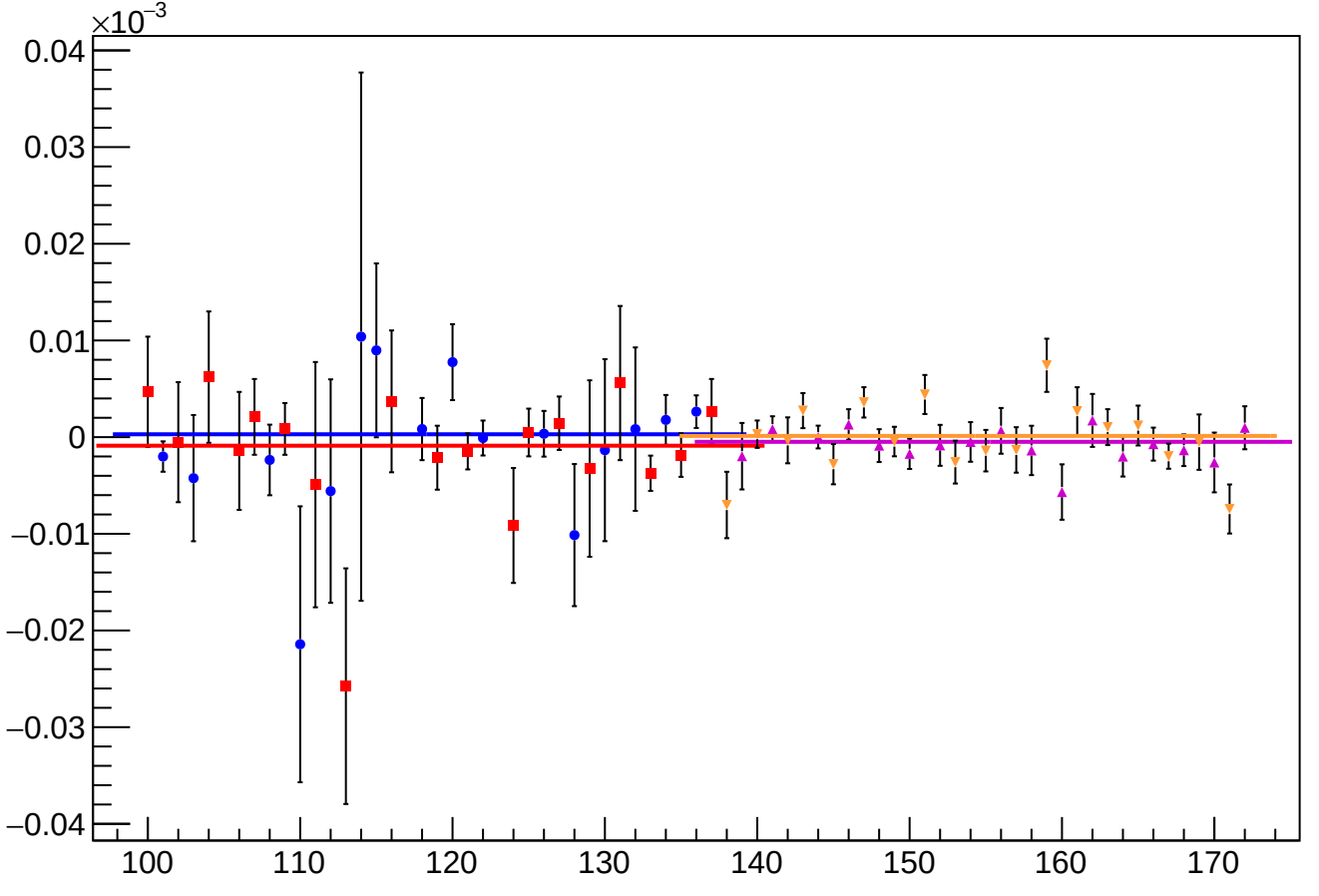
Left: 28.174+/-0.004 χ^2/NDF: 2013979.4/34

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.413+/-0.005 χ^2/NDF:3444308.6/32

Out: 29.265+/-0.005 χ^2/NDF:3784583.0/36

All: 28.831+/-0.003 χ^2/NDF: 7245126.6/69



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.5/17

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:9.4/16

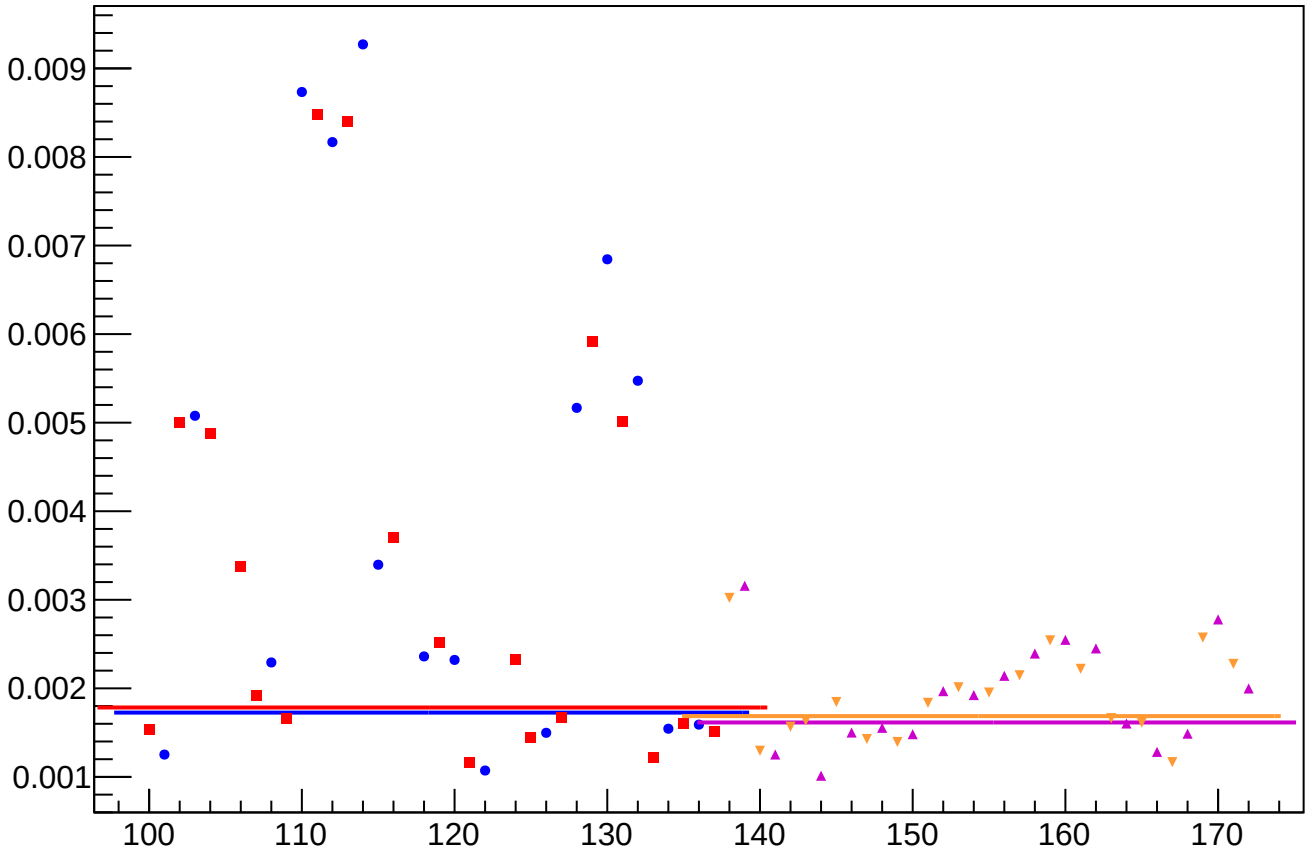
Left: -0.000+/-0.000 χ^2/NDF: 50.7/34

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:57.1/36

All: -0.000+/-0.000 χ^2/NDF: 82.1/69



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1671244.3/17

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.002+/-0.000 χ^2/NDF:2315080.0/16

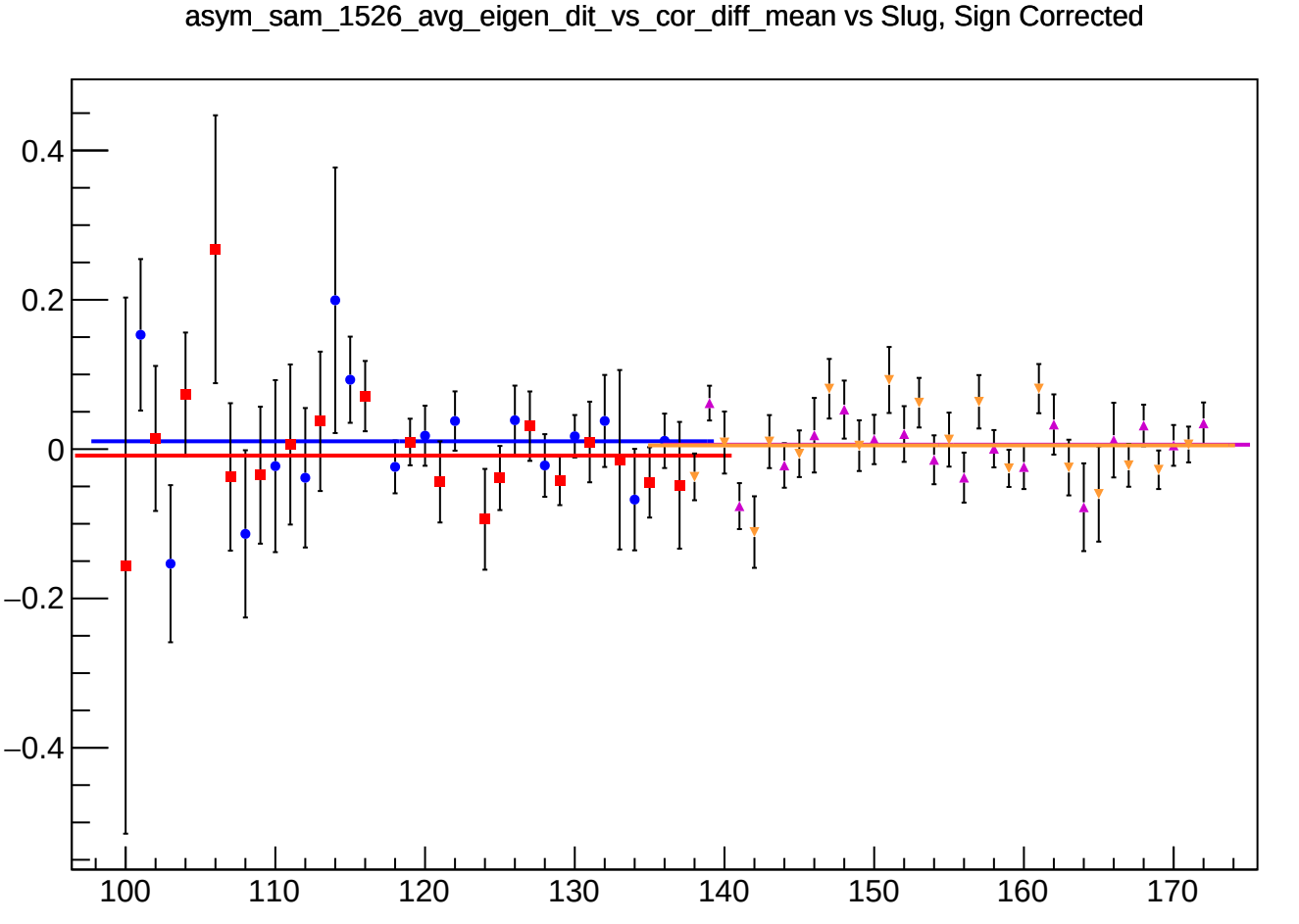
Left: 0.002+/-0.000 χ^2/NDF: 4010863.4/34

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:5413169.5/36

All: 0.002+/-0.000 χ^2/NDF: 11721893.5/69



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.008 χ^2/NDF:32.0/17

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.006+/-0.008 χ^2/NDF:23.0/16

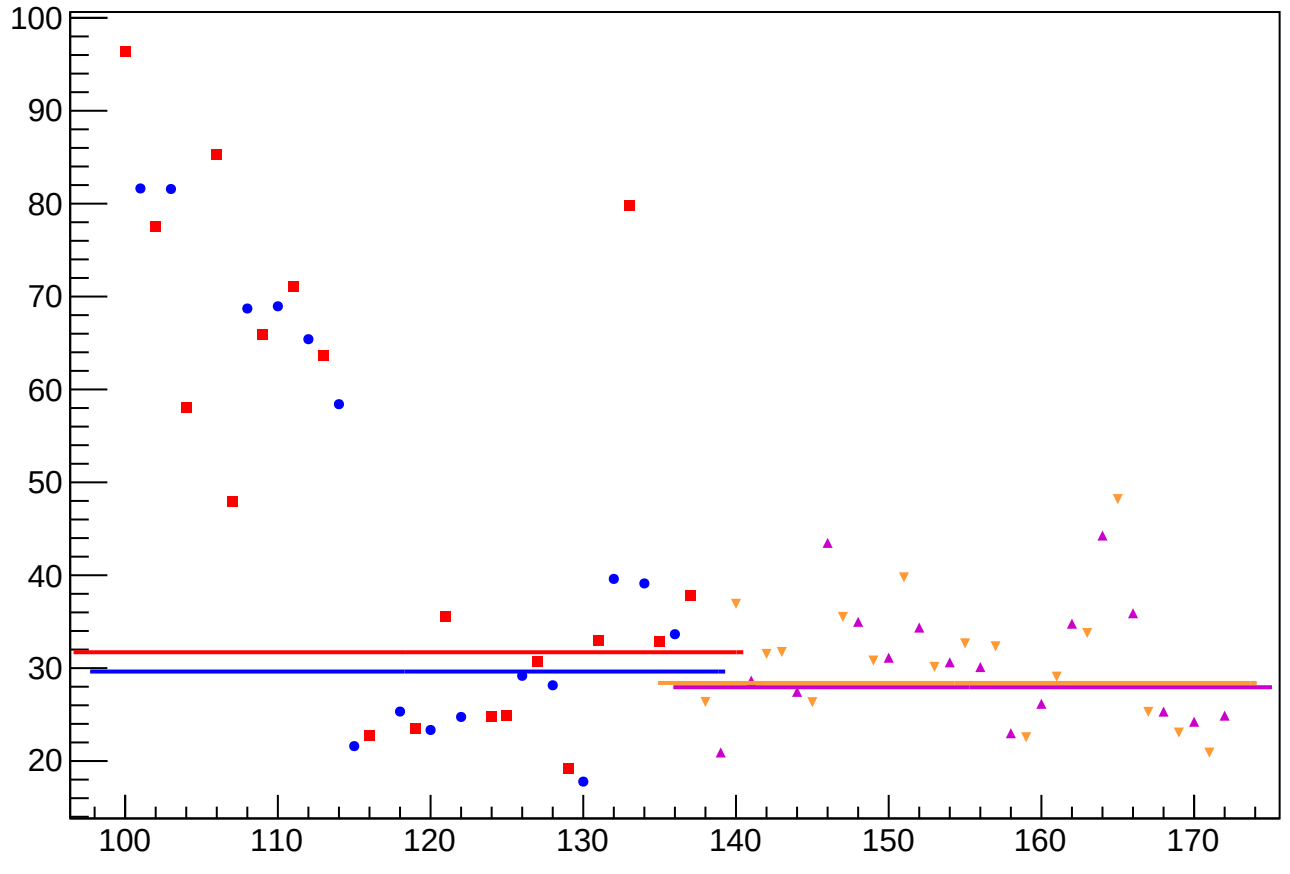
Left: 0.005+/-0.006 χ^2/NDF: 55.1/34

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.007 χ^2/NDF:36.3/32

Out: 0.001+/-0.007 χ^2/NDF:45.3/36

All: 0.004+/-0.005 χ^2/NDF: 81.9/69



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.407+/-0.006 χ^2/NDF:1040846.6/17

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: 28.174+/-0.004 χ^2/NDF: 2014014.2/34

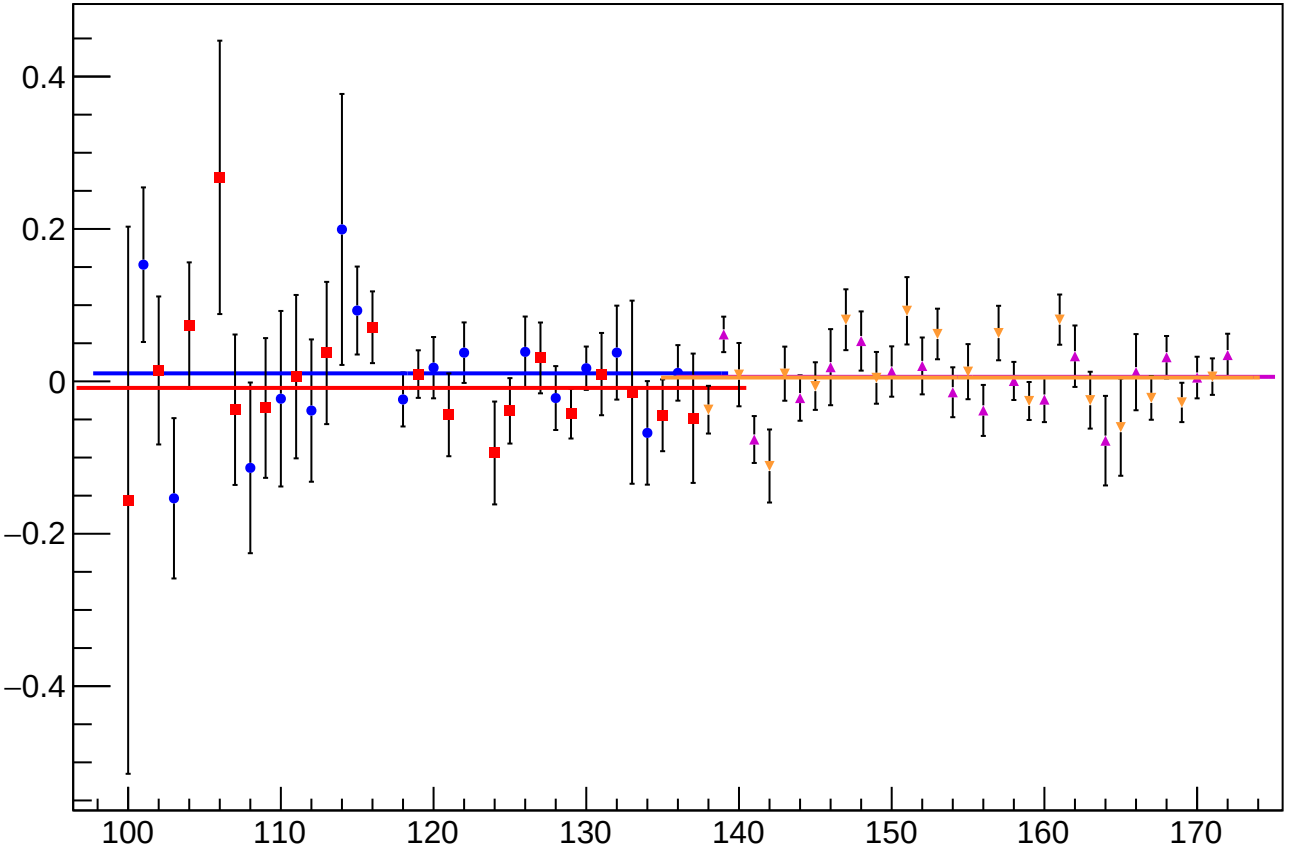
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.413+/-0.005 χ^2/NDF:3444469.5/32

Out: 29.265+/-0.005 χ^2/NDF:3784701.9/36

All: 28.831+/-0.003 χ^2/NDF: 7245402.3/69

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: 0.005+/-0.008 χ^2/NDF:32.0/17

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: 0.005+/-0.006 χ^2/NDF: 55.1/34

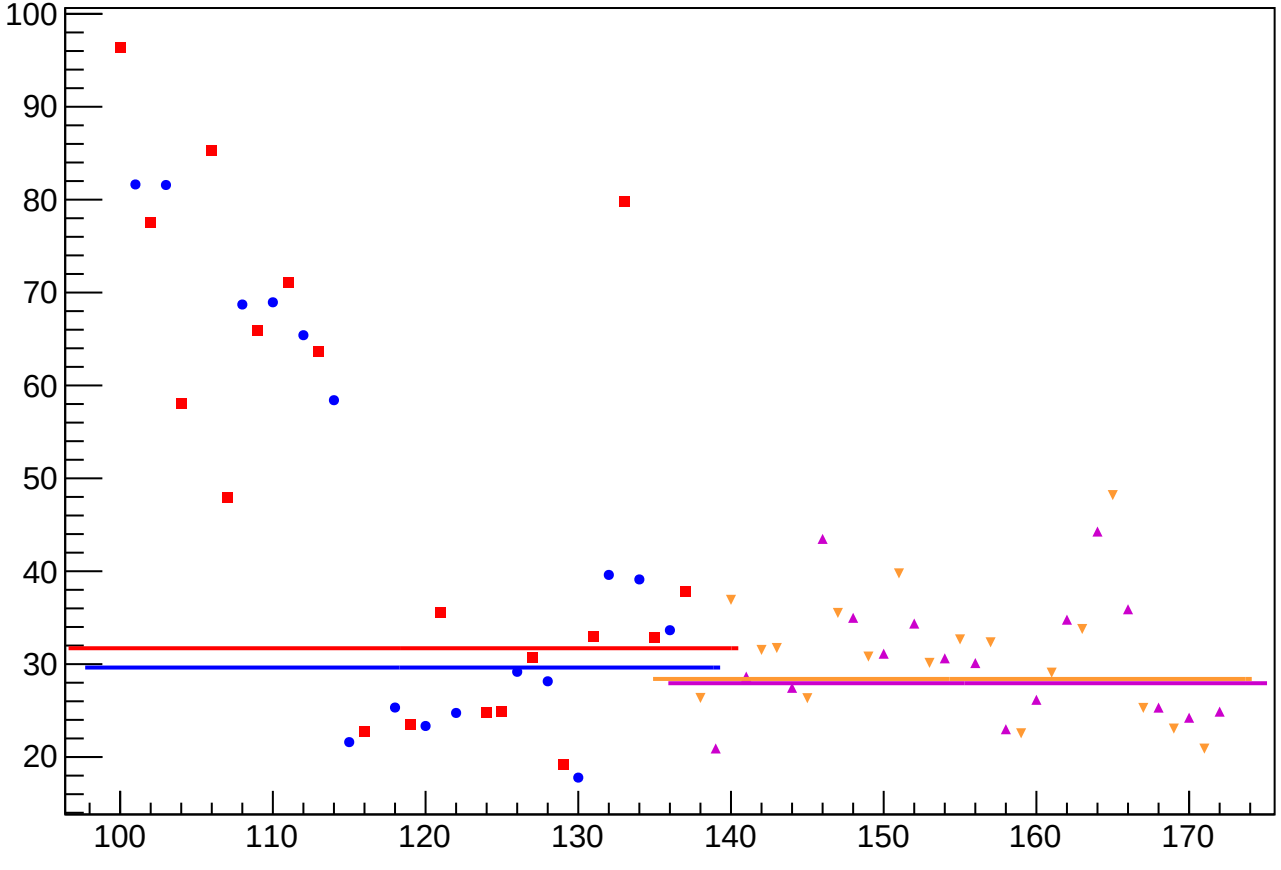
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.007+/-0.007 χ^2/NDF:36.3/32

Out: 0.001+/-0.007 χ^2/NDF:45.3/36

All: 0.004+/-0.005 χ^2/NDF: 81.9/69

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: 28.407+/-0.006 χ^2/NDF:1040846.6/17

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 27.945+/-0.006 χ^2/NDF:969670.5/16

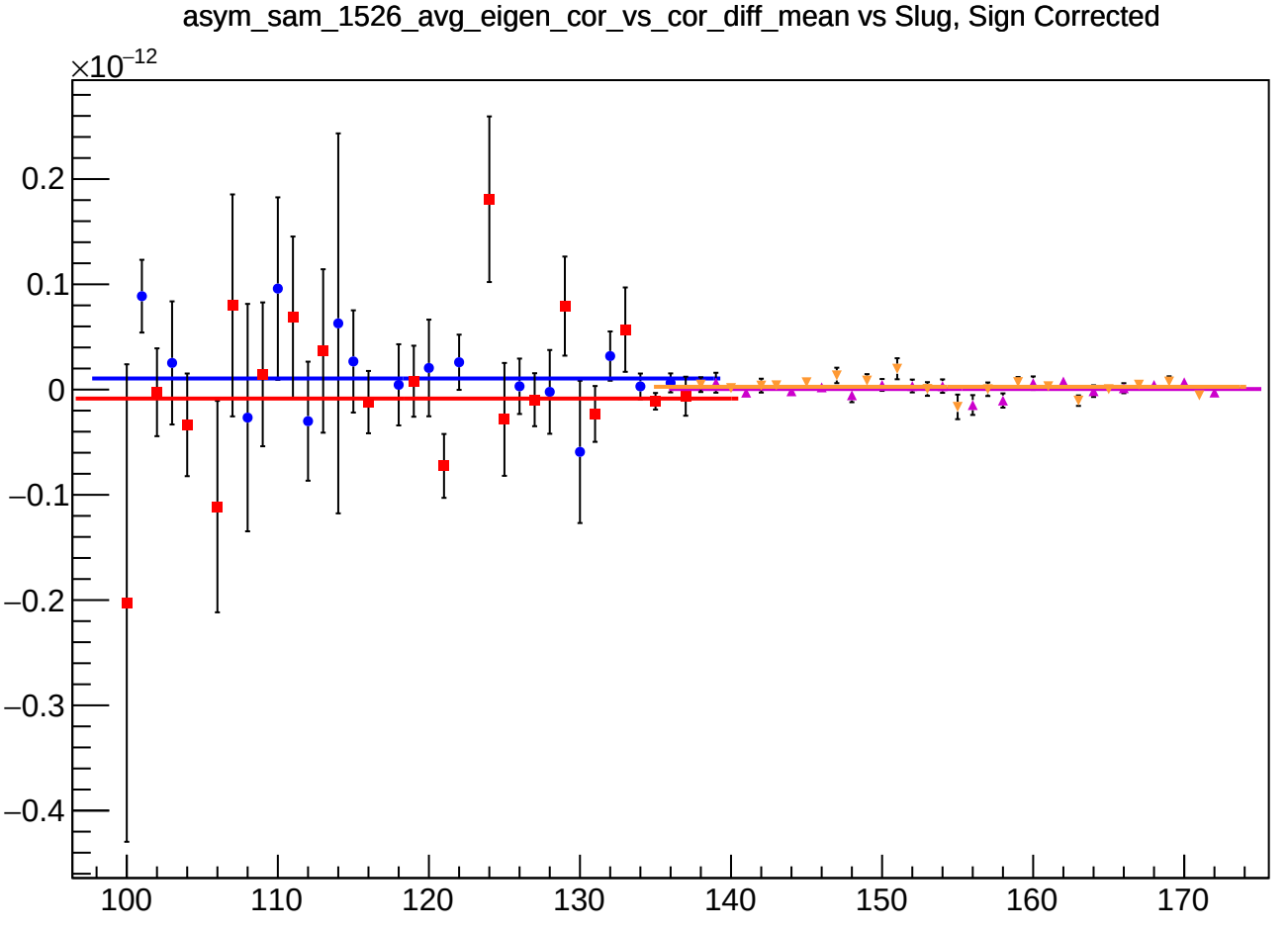
Left: 28.174+/-0.004 χ^2/NDF: 2014014.2/34

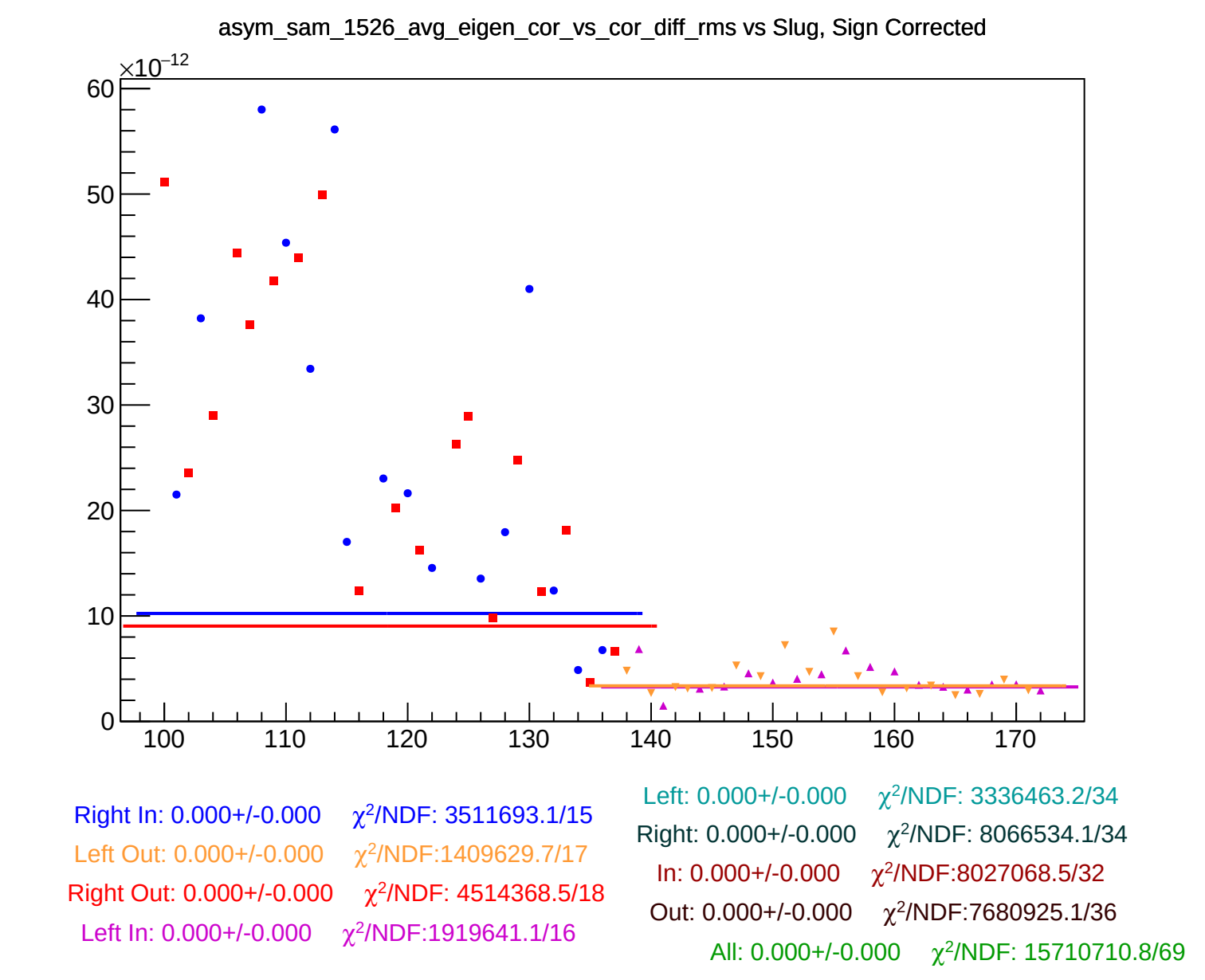
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

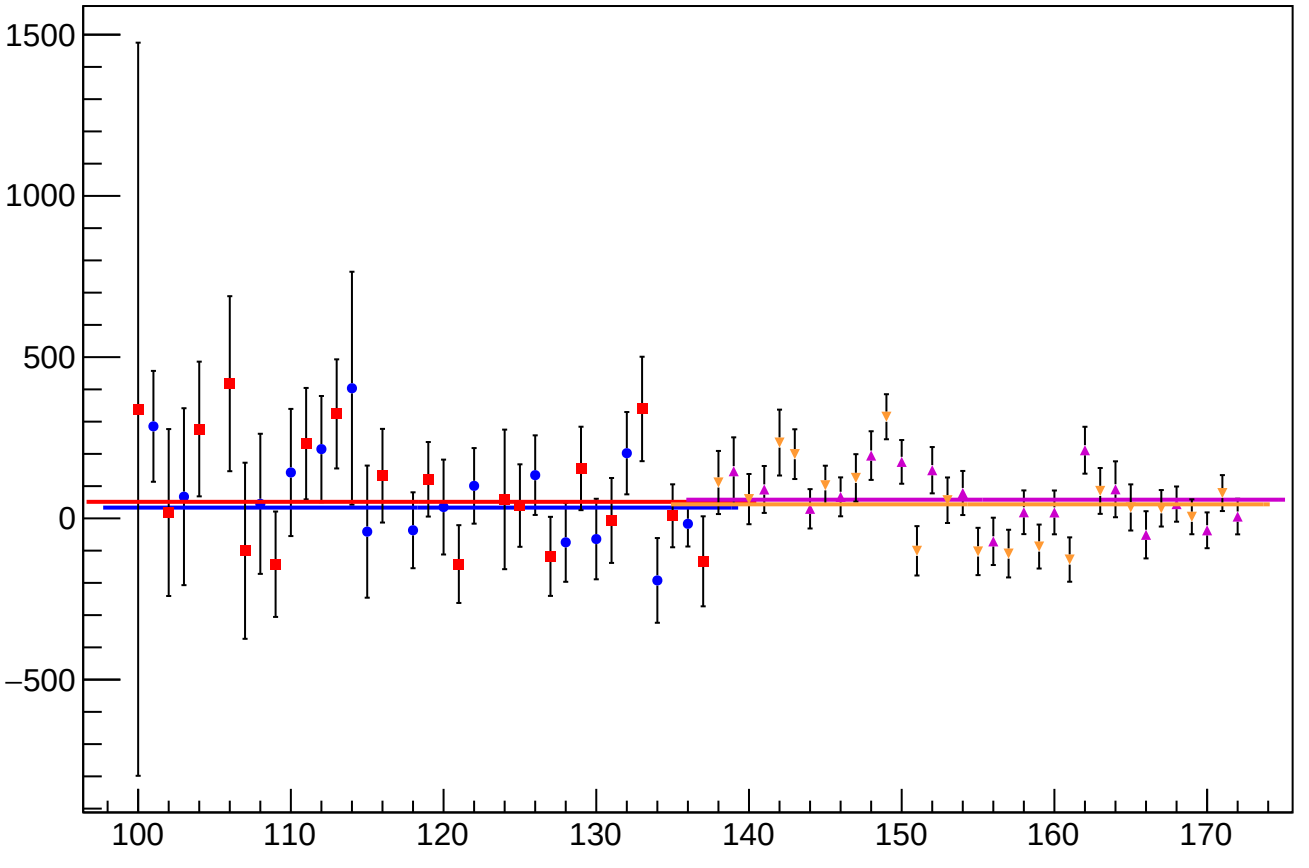
In: 28.413+/-0.005 χ^2/NDF:3444469.5/32

Out: 29.265+/-0.005 χ^2/NDF:3784701.9/36

All: 28.831+/-0.003 χ^2/NDF: 7245402.3/69


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:23.4/17
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: 40.8/34
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:48.2/36
All: 0.000+/-0.000 χ²/NDF: 77.4/69


asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3511693.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1409629.7/17
Right Out: 0.000+/-0.000 χ²/NDF: 4514368.5/18
Left In: 0.000+/-0.000 χ²/NDF:1919641.1/16
Left: 0.000+/-0.000 χ²/NDF: 3336463.2/34
Right: 0.000+/-0.000 χ²/NDF: 8066534.1/34
In: 0.000+/-0.000 χ²/NDF:8027068.5/32
Out: 0.000+/-0.000 χ²/NDF:7680925.1/36
All: 0.000+/-0.000 χ²/NDF: 15710710.8/69



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 43.598+/-16.375 χ^2/NDF:48.4/17

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 57.958+/-16.351 χ^2/NDF:23.6/16

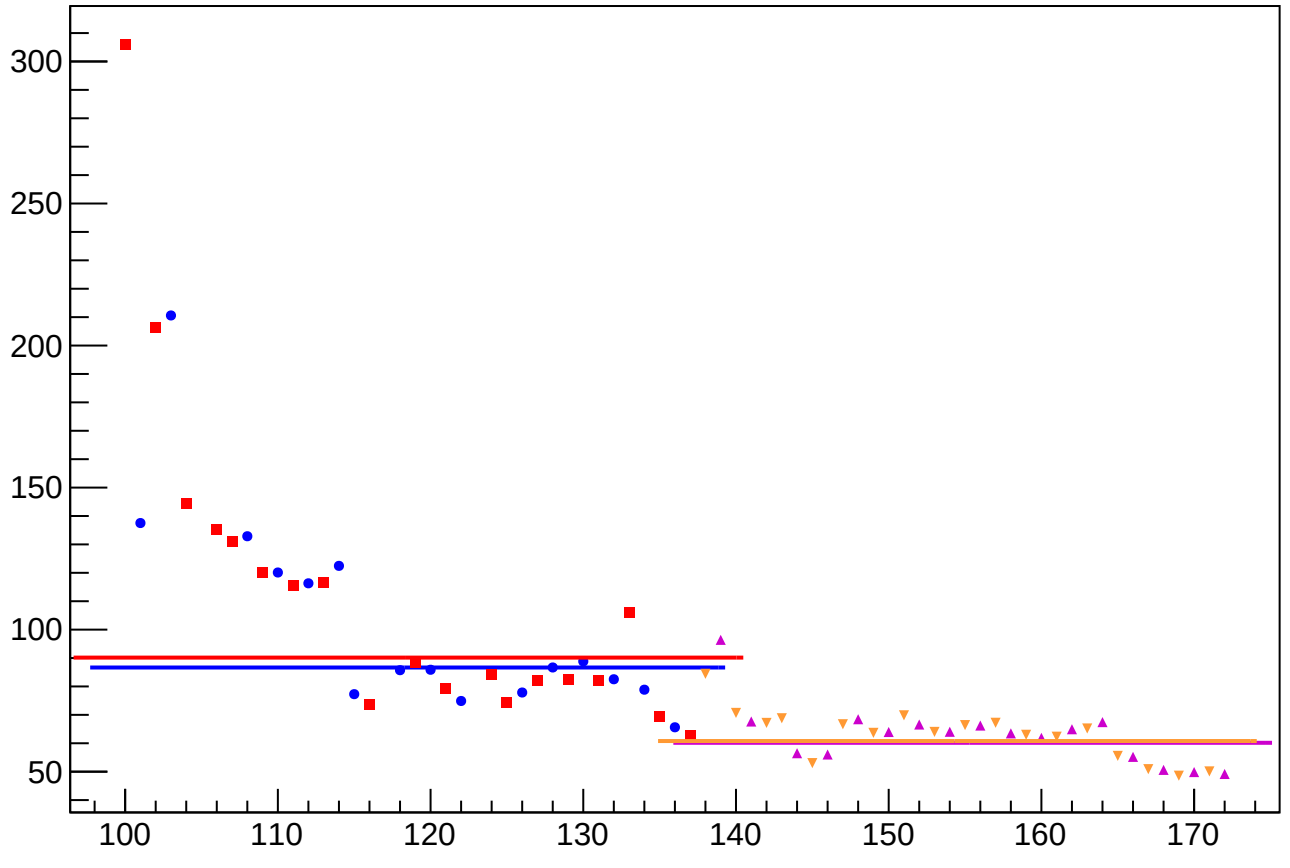
Left: 50.788+/-11.571 χ^2/NDF: 72.4/34

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 53.325+/-14.726 χ^2/NDF:36.8/32

Out: 44.997+/-14.821 χ^2/NDF:68.0/36

All: 49.188+/-10.446 χ^2/NDF: 105.0/69



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 60.783+/-0.012 χ^2/NDF:544532.7/17

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 60.161+/-0.012 χ^2/NDF:589150.8/16

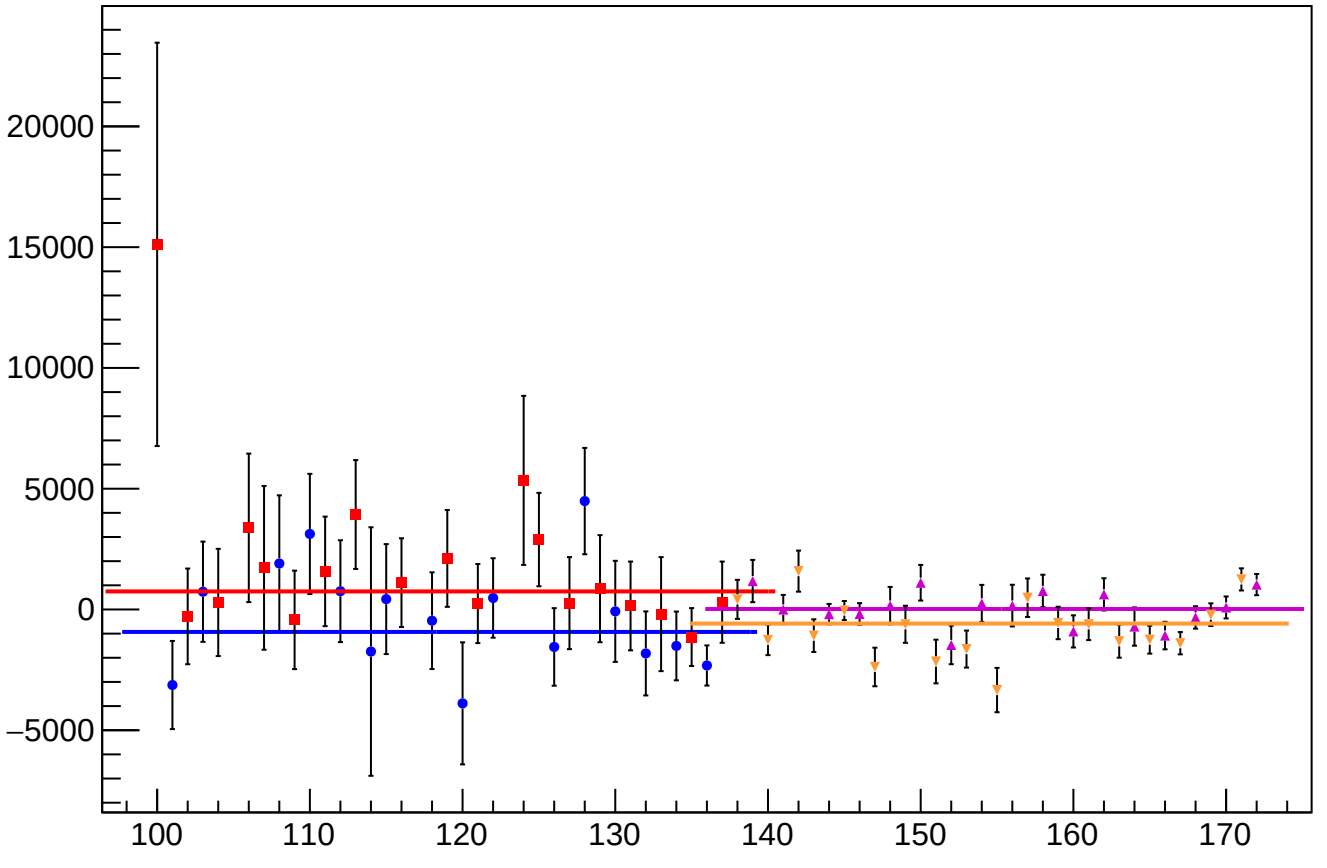
Left: 60.471+/-0.008 χ^2/NDF: 1135128.3/34

Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 65.168+/-0.010 χ^2/NDF:2620768.6/32

Out: 66.094+/-0.010 χ^2/NDF:2858044.0/36

All: 65.628+/-0.007 χ^2/NDF: 5482744.0/69



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -584.114+/-146.393 χ^2/NDF:54.5/17

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: 20.022+/-143.169 χ^2/NDF:22.5/16

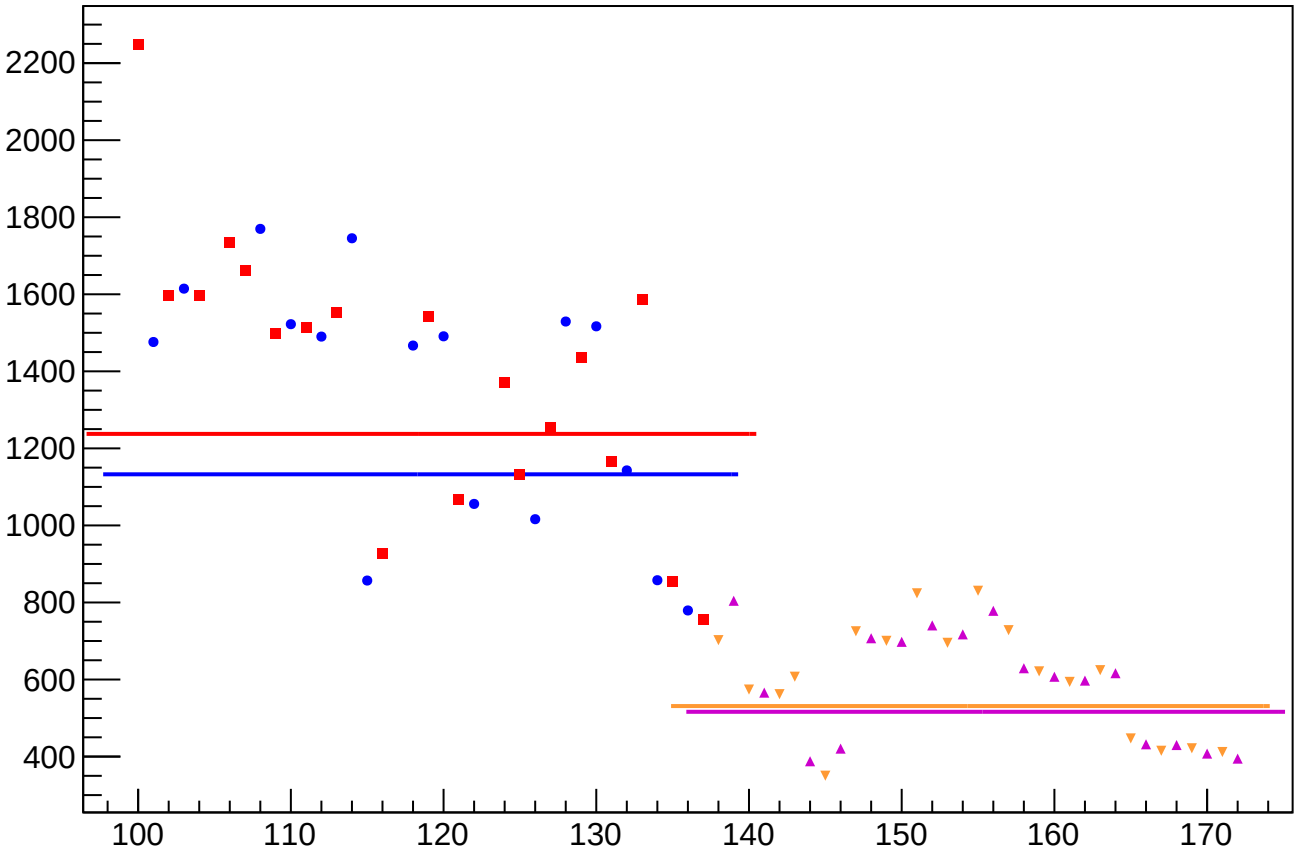
Left: -275.321+/-102.357 χ^2/NDF: 85.7/34

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -70.582+/-136.170 χ^2/NDF:45.2/32

Out: -465.414+/-139.714 χ^2/NDF:74.9/36

All: -262.926+/-97.516 χ^2/NDF: 124.2/69



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 531.122+/-0.104 χ^2/NDF:1902399.7/17

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 516.218+/-0.101 χ^2/NDF:1763997.9/16

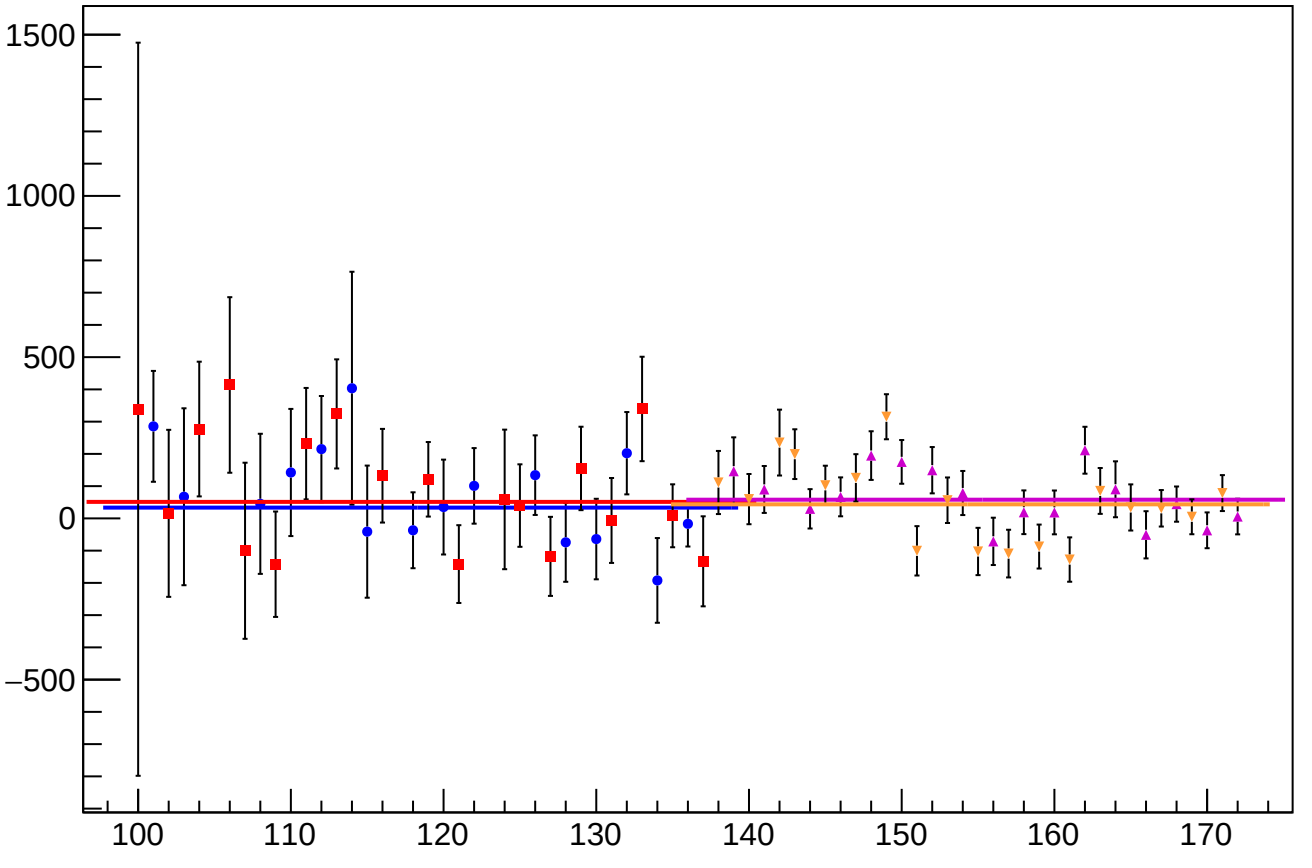
Left: 523.504+/-0.072 χ^2/NDF: 3676993.0/34

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 575.022+/-0.096 χ^2/NDF:6425267.6/32

Out: 594.111+/-0.099 χ^2/NDF:6950580.5/36

All: 584.321+/-0.069 χ^2/NDF: 13394994.7/69



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 43.600+/-16.375 χ^2/NDF:48.4/17

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 57.956+/-16.351 χ^2/NDF:23.6/16

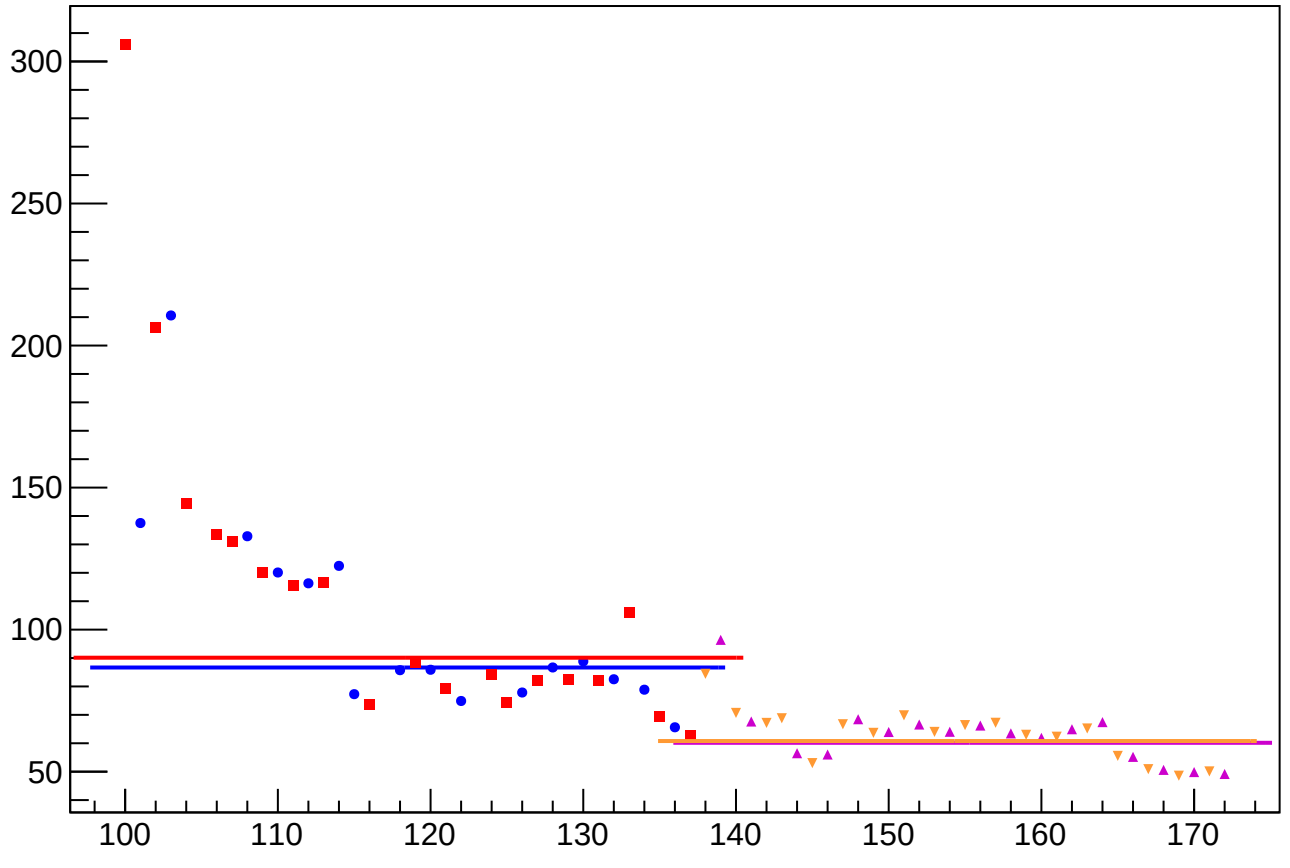
Left: 50.789+/-11.571 χ^2/NDF: 72.4/34

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 53.322+/-14.726 χ^2/NDF:36.8/32

Out: 44.972+/-14.821 χ^2/NDF:68.0/36

All: 49.174+/-10.446 χ^2/NDF: 105.0/69



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 60.783+/-0.012 χ^2/NDF:544532.7/17

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 60.161+/-0.012 χ^2/NDF:589150.8/16

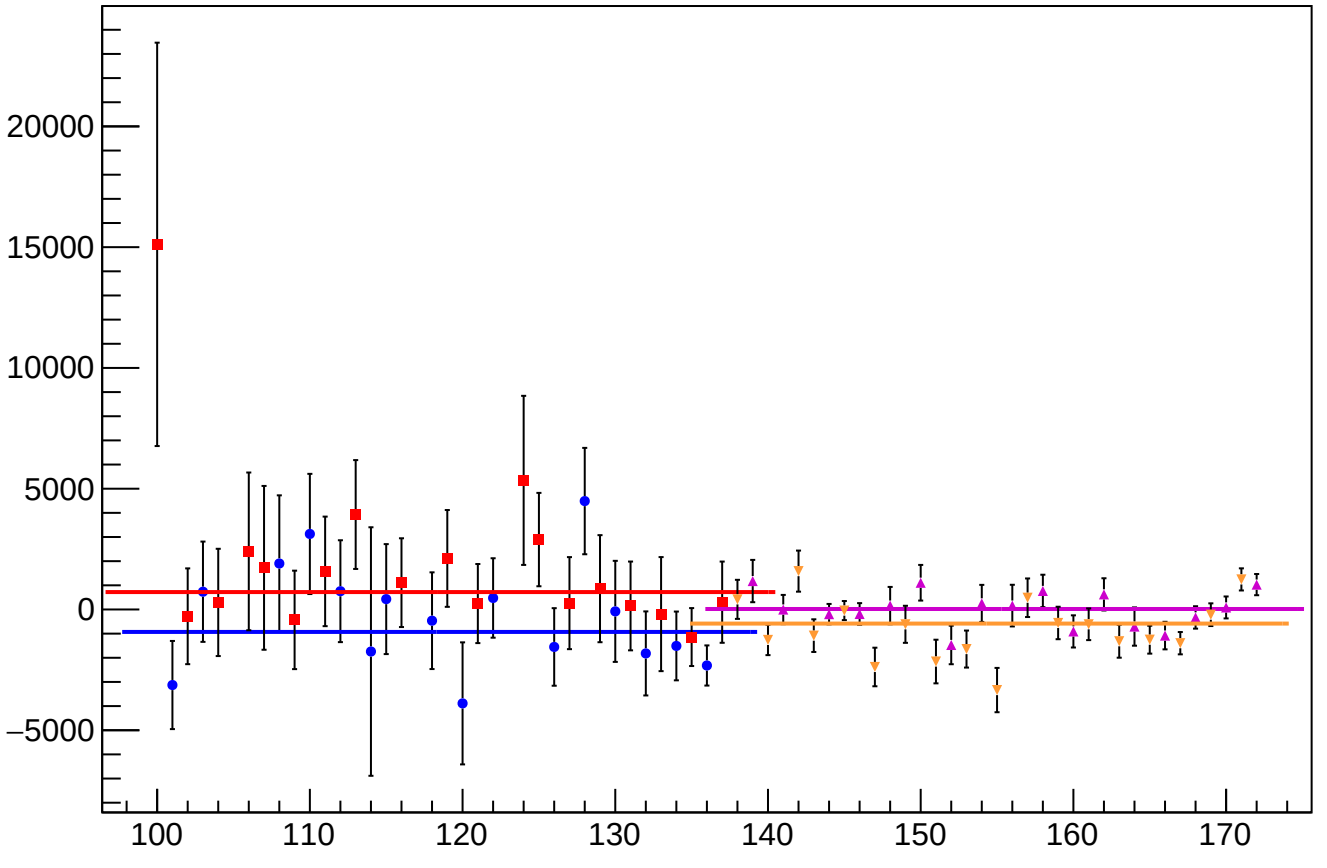
Left: 60.471+/-0.008 χ^2/NDF: 1135128.2/34

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 65.168+/-0.010 χ^2/NDF:2620770.9/32

Out: 66.087+/-0.010 χ^2/NDF:2850297.6/36

All: 65.625+/-0.007 χ^2/NDF: 5474938.8/69



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -584.109+/-146.393 χ^2/NDF:54.5/17

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 20.020+/-143.169 χ^2/NDF:22.5/16

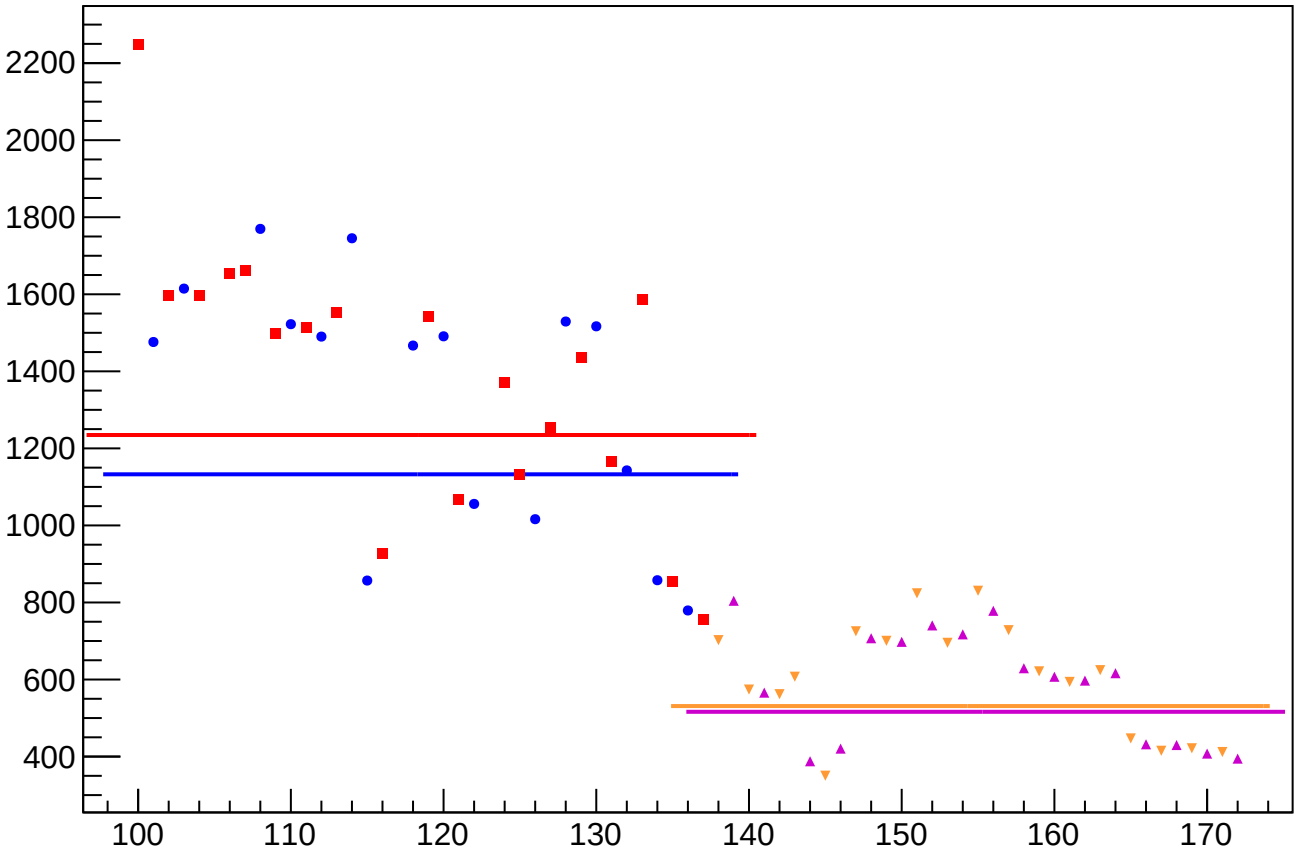
Left: -275.320+/-102.357 χ^2/NDF: 85.7/34

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -70.580+/-136.170 χ^2/NDF:45.2/32

Out: -468.069+/-139.731 χ^2/NDF:74.1/36

All: -264.195+/-97.521 χ^2/NDF: 123.5/69



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 531.122+/-0.104 χ^2/NDF:1902403.7/17

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 516.218+/-0.101 χ^2/NDF:1763997.6/16

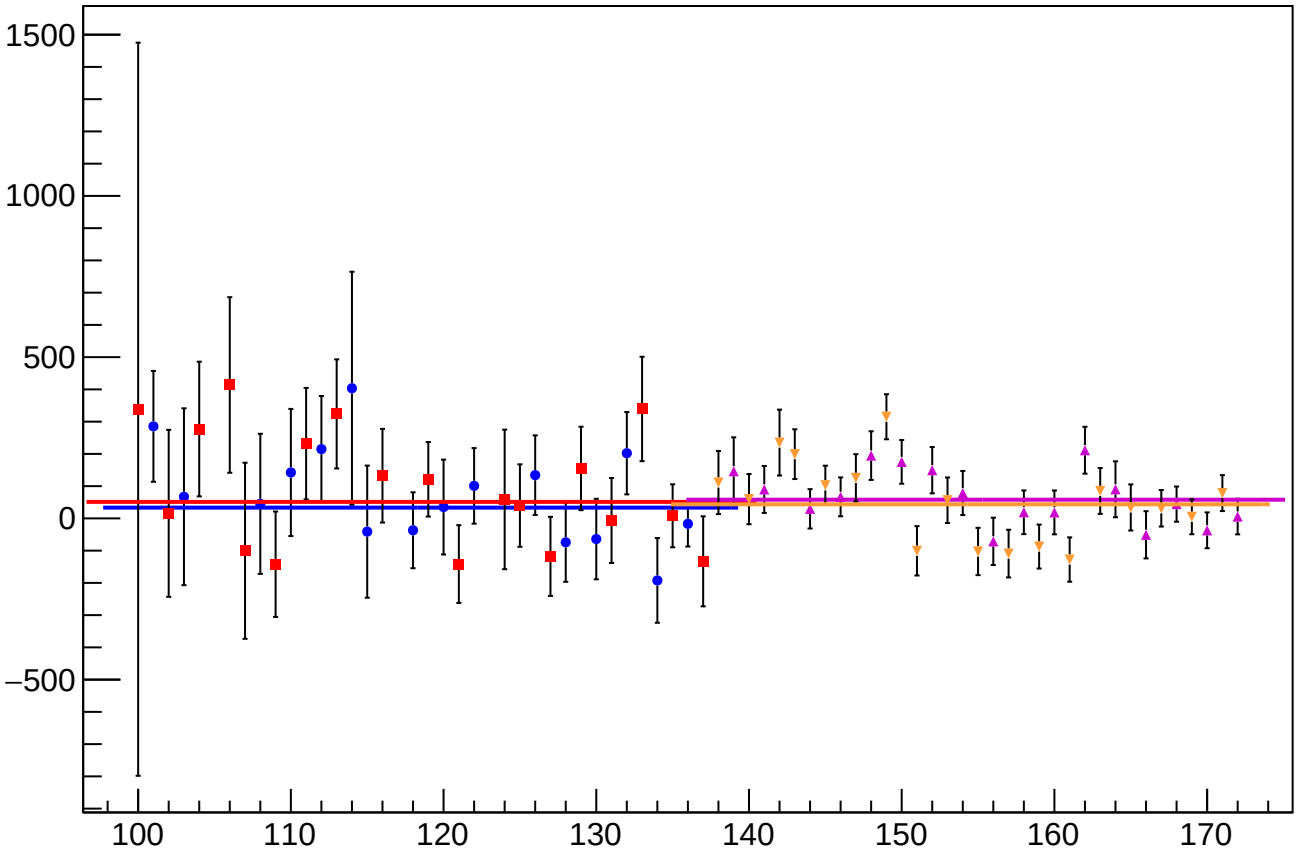
Left: 523.504+/-0.072 χ^2/NDF: 3676996.2/34

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 575.022+/-0.096 χ^2/NDF:6425299.6/32

Out: 593.698+/-0.099 χ^2/NDF:6887523.1/36

All: 584.119+/-0.069 χ^2/NDF: 13331148.2/69



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 43.600+/-16.375 χ^2/NDF:48.4/17

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 57.956+/-16.351 χ^2/NDF:23.6/16

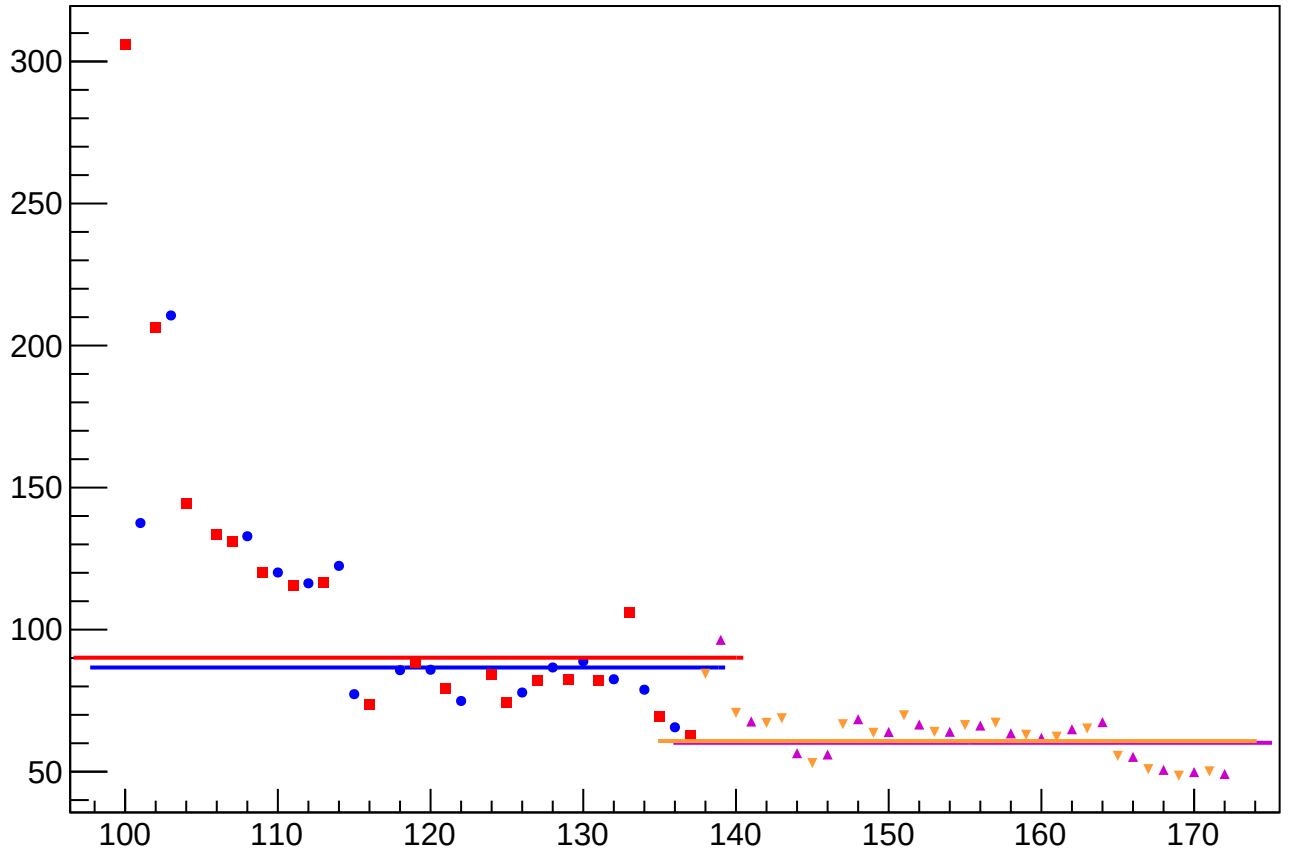
Left: 50.789+/-11.571 χ^2/NDF: 72.4/34

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 53.322+/-14.726 χ^2/NDF:36.8/32

Out: 44.972+/-14.821 χ^2/NDF:68.0/36

All: 49.174+/-10.446 χ^2/NDF: 105.0/69



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 60.783+/-0.012 χ^2/NDF:544532.7/17

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: 60.471+/-0.008 χ^2/NDF: 1135128.2/34

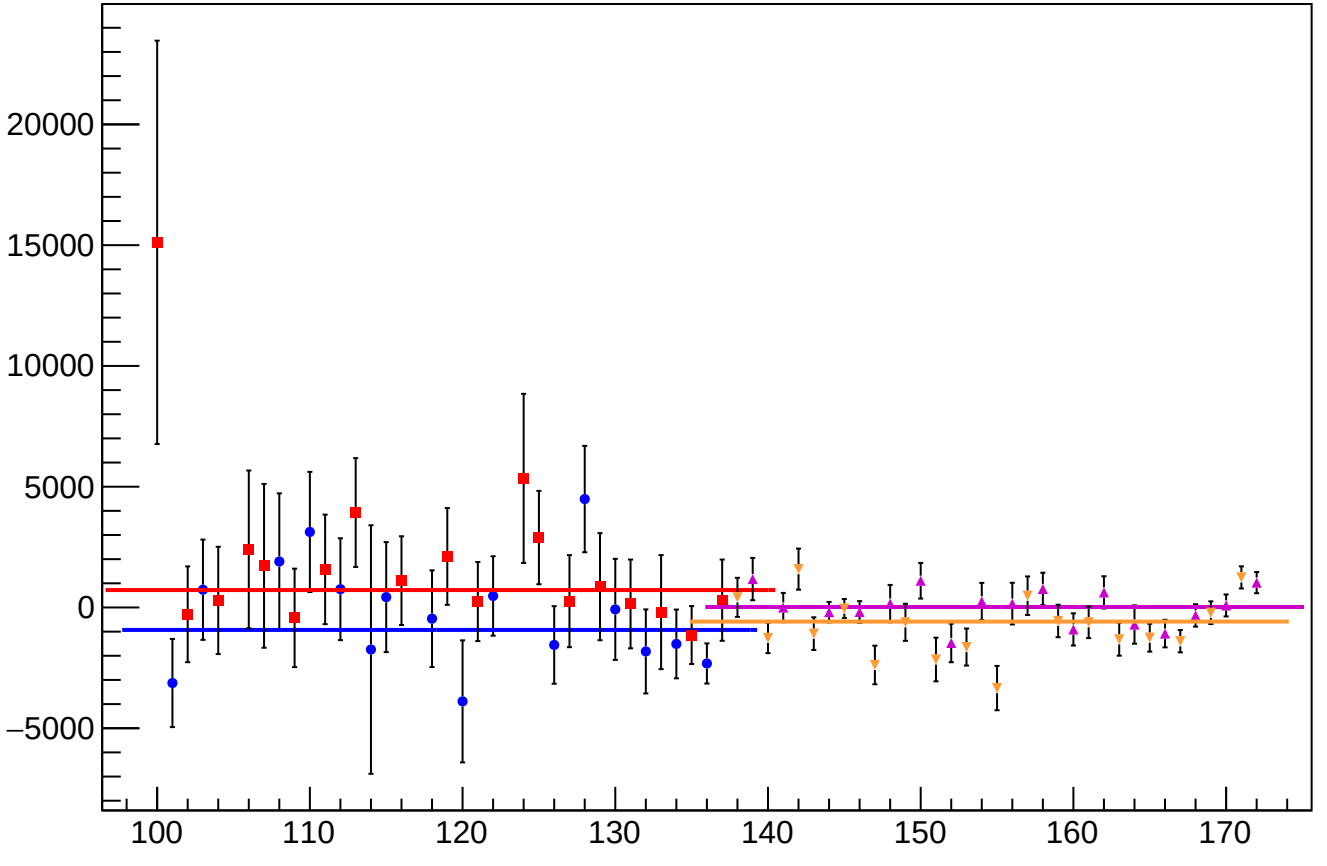
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 65.168+/-0.010 χ^2/NDF:2620770.9/32

Out: 66.087+/-0.010 χ^2/NDF:2850297.6/36

All: 65.625+/-0.007 χ^2/NDF: 5474938.8/69

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -584.109+/-146.393 χ^2/NDF:54.5/17

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 20.020+/-143.169 χ^2/NDF:22.5/16

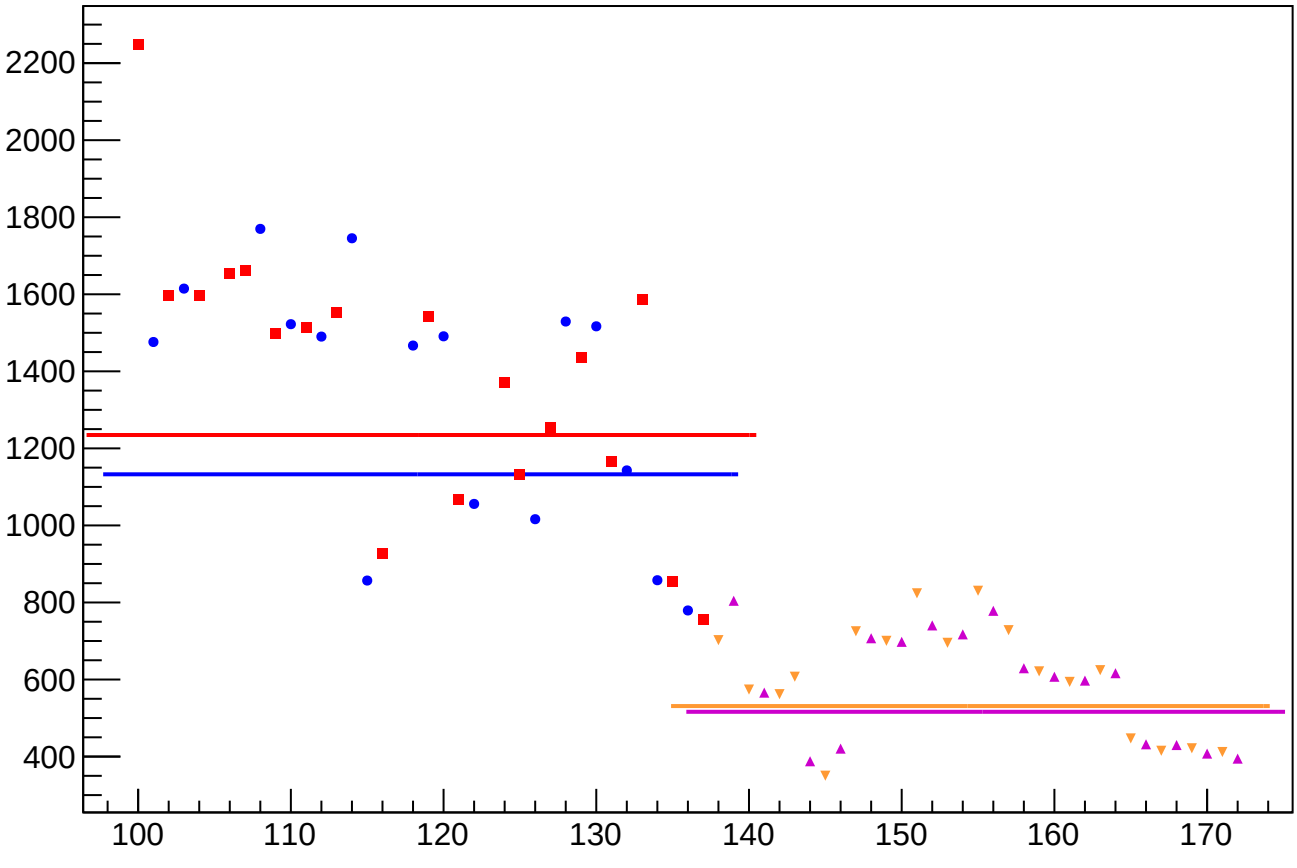
Left: -275.320+/-102.357 χ^2/NDF: 85.7/34

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -70.580+/-136.170 χ^2/NDF:45.2/32

Out: -468.069+/-139.731 χ^2/NDF:74.1/36

All: -264.195+/-97.521 χ^2/NDF: 123.5/69



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 531.122+/-0.104 χ^2/NDF:1902403.7/17

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 516.218+/-0.101 χ^2/NDF:1763997.6/16

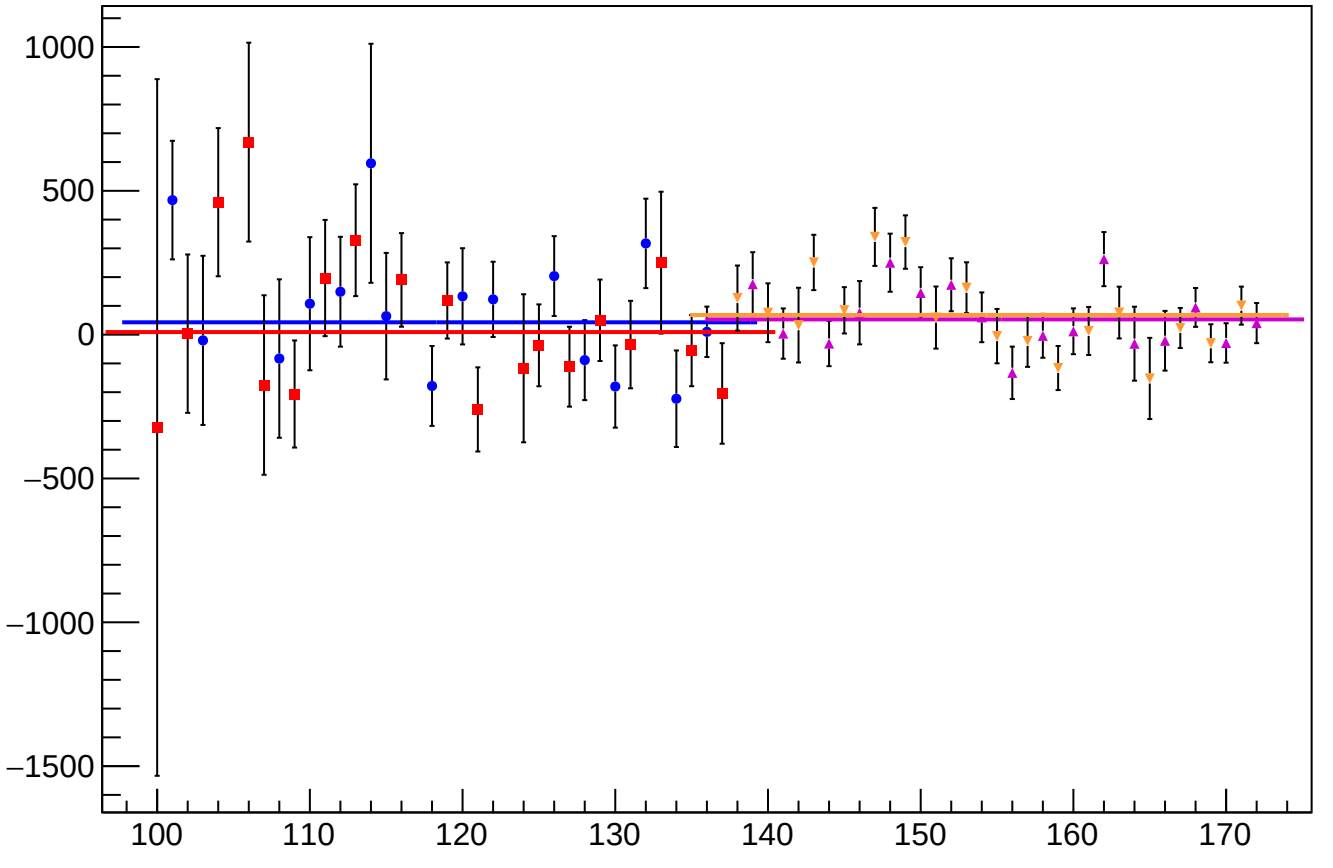
Left: 523.504+/-0.072 χ^2/NDF: 3676996.2/34

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 575.022+/-0.096 χ^2/NDF:6425299.6/32

Out: 593.698+/-0.099 χ^2/NDF:6887523.1/36

All: 584.119+/-0.069 χ^2/NDF: 13331148.2/69



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 68.303+/-20.805 χ^2/NDF:33.0/17

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 52.973+/-20.923 χ^2/NDF:22.0/16

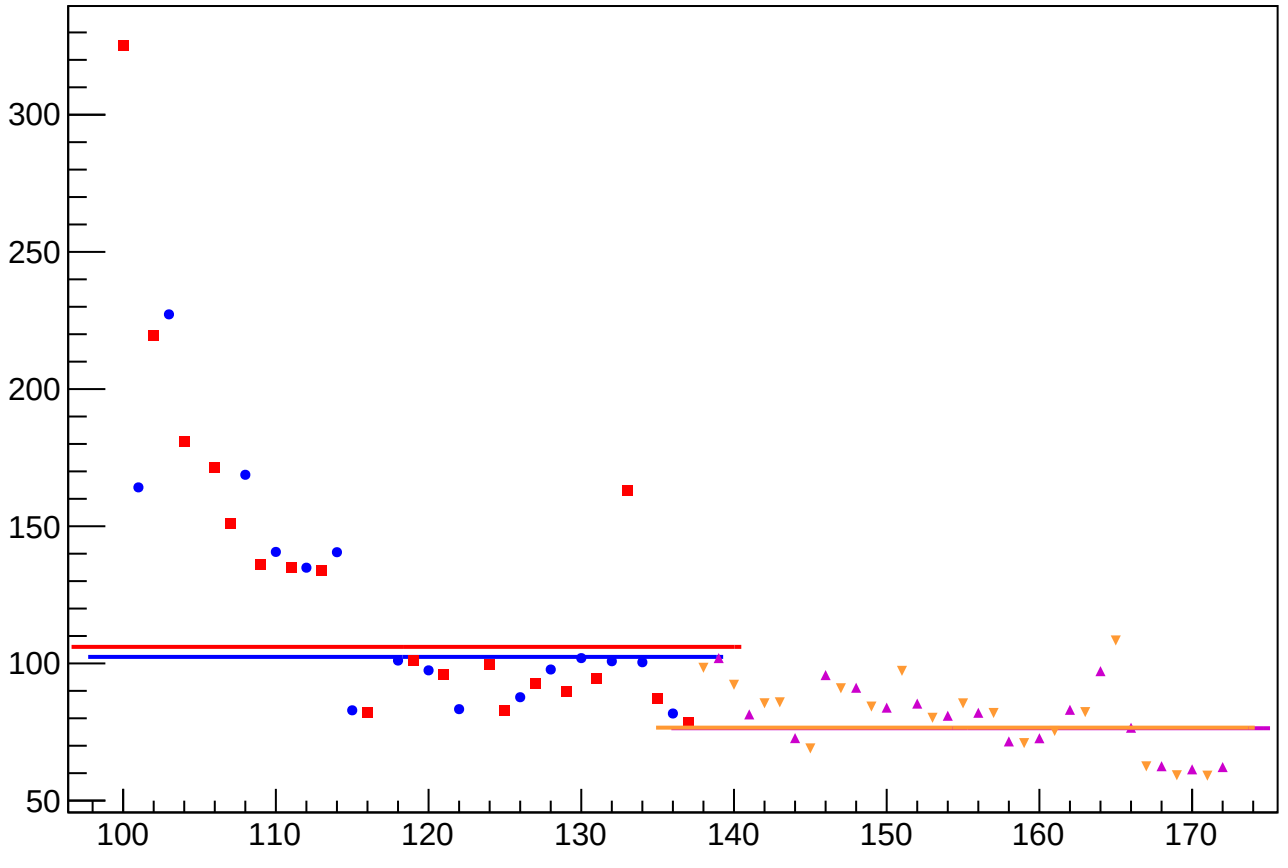
Left: 60.681+/-14.753 χ^2/NDF: 55.3/34

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 50.807+/-18.534 χ^2/NDF:42.4/32

Out: 56.185+/-18.559 χ^2/NDF:56.0/36

All: 53.493+/-13.114 χ^2/NDF: 98.5/69



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 76.595+/-0.015 χ^2/NDF:802986.8/17

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 76.376+/-0.015 χ^2/NDF:604257.4/16

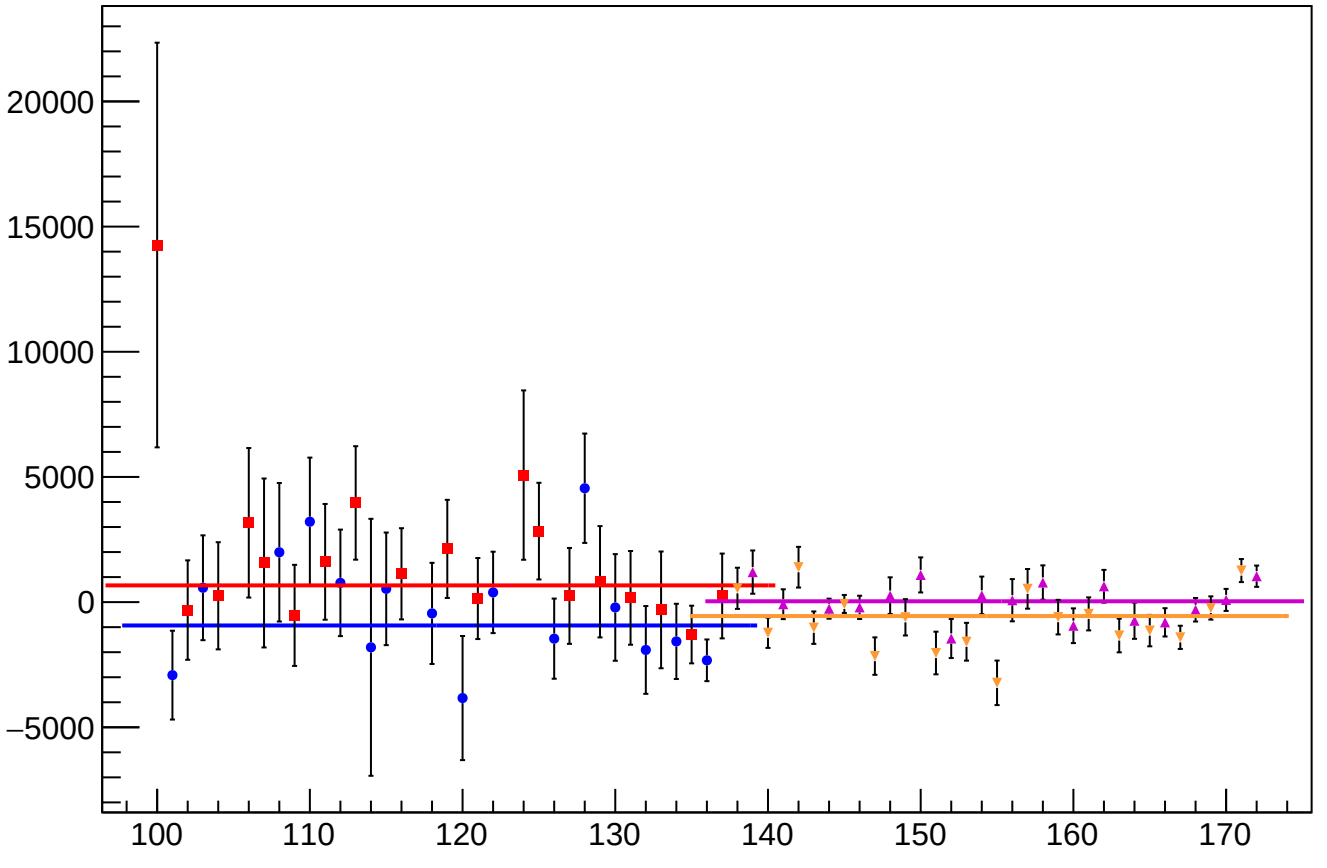
Left: 76.486+/-0.010 χ^2/NDF: 1407353.9/34

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 81.974+/-0.013 χ^2/NDF:2251513.2/32

Out: 82.609+/-0.013 χ^2/NDF:2812281.5/36

All: 82.291+/-0.009 χ^2/NDF: 5064968.0/69



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -556.425+/-143.273 χ^2/NDF:53.1/17

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: 33.819+/-140.631 χ^2/NDF:22.2/16

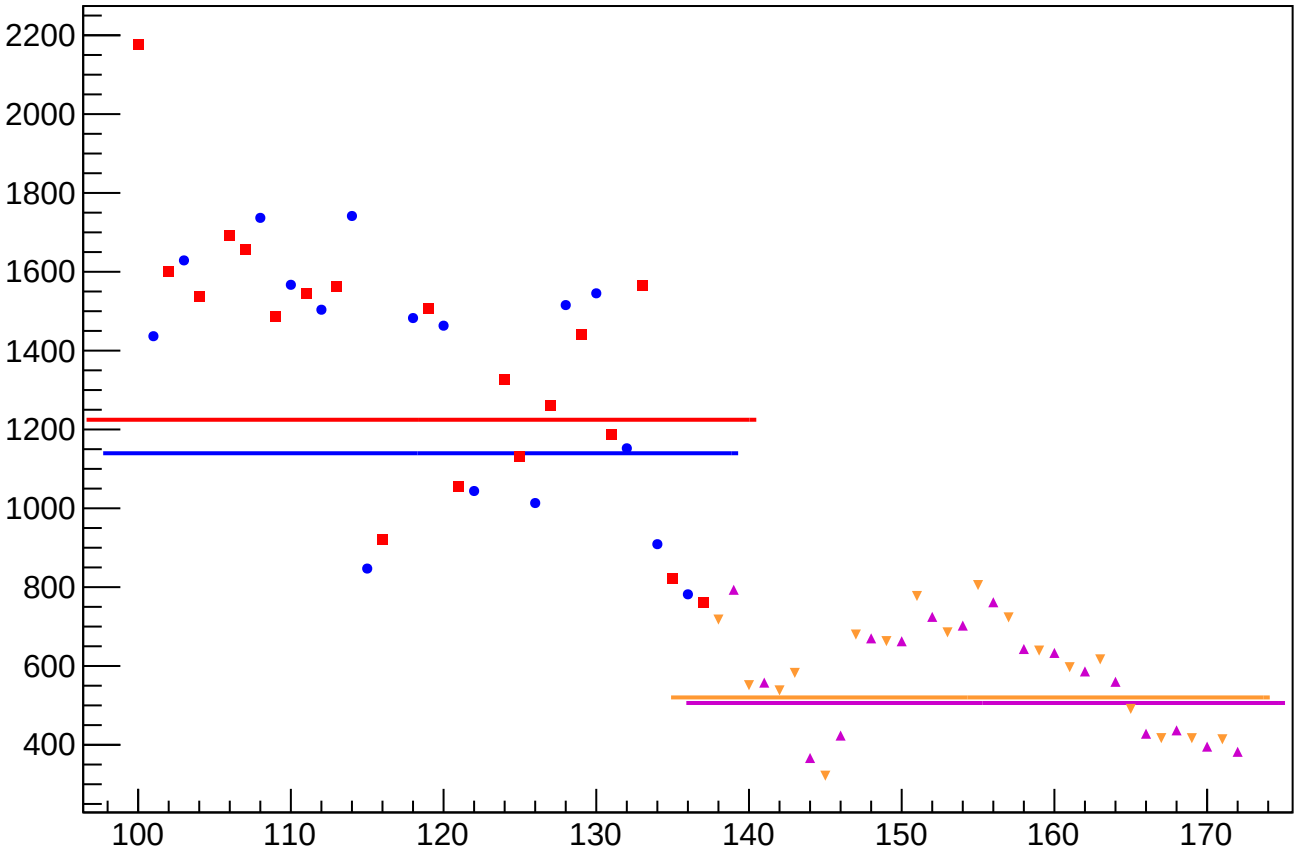
Left: -255.811+/-100.362 χ^2/NDF: 84.0/34

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -54.737+/-134.032 χ^2/NDF:45.0/32

Out: -449.468+/-136.876 χ^2/NDF:72.9/36

All: -247.960+/-95.764 χ^2/NDF: 122.2/69



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 520.239+/-0.101 χ^2/NDF:1971452.1/17

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 506.134+/-0.099 χ^2/NDF:1786218.0/16

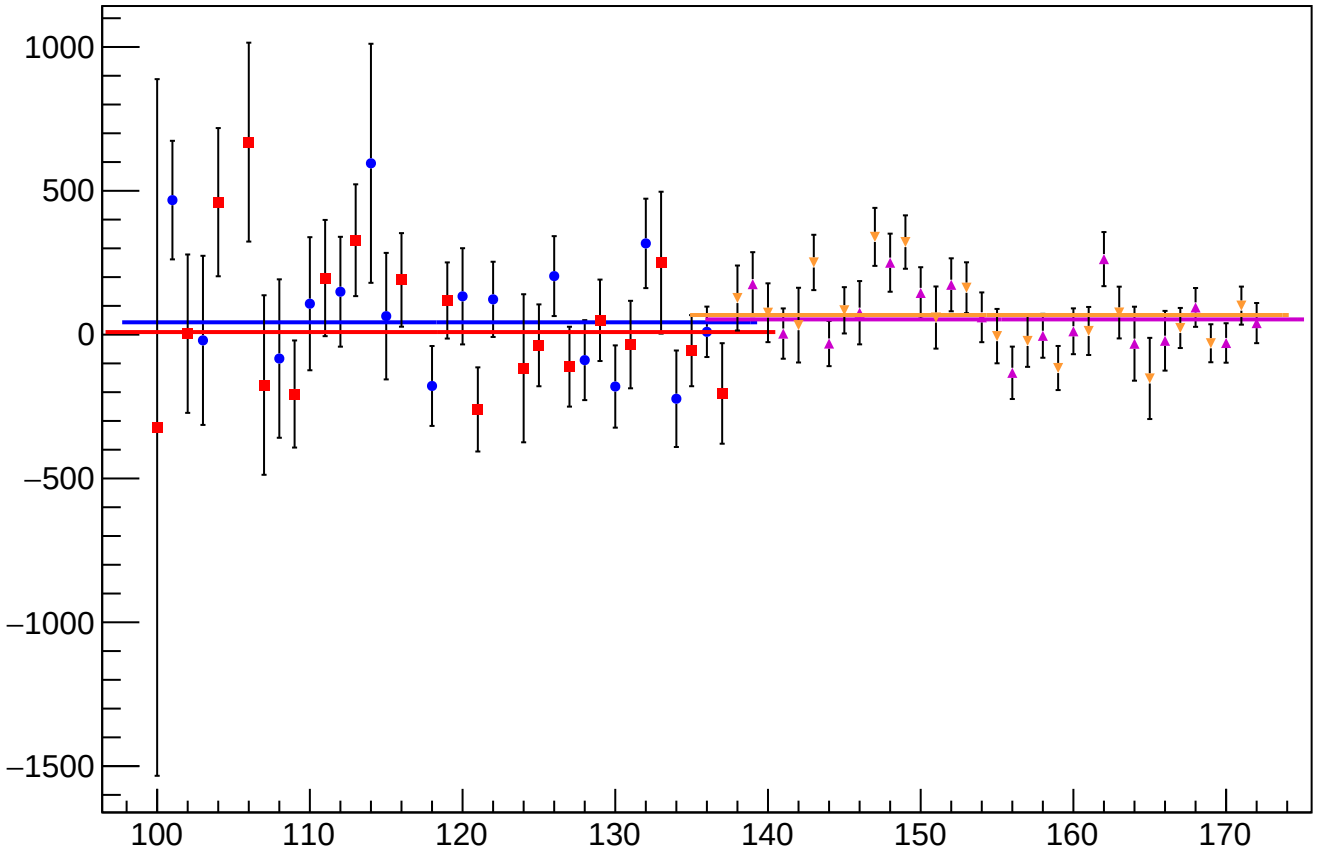
Left: 513.055+/-0.071 χ^2/NDF: 3767541.6/34

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 564.199+/-0.095 χ^2/NDF:6599599.6/32

Out: 581.743+/-0.097 χ^2/NDF:7114948.3/36

All: 572.787+/-0.068 χ^2/NDF: 13731322.3/69



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 68.302+/-20.805 χ^2/NDF:33.0/17

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 52.971+/-20.923 χ^2/NDF:22.0/16

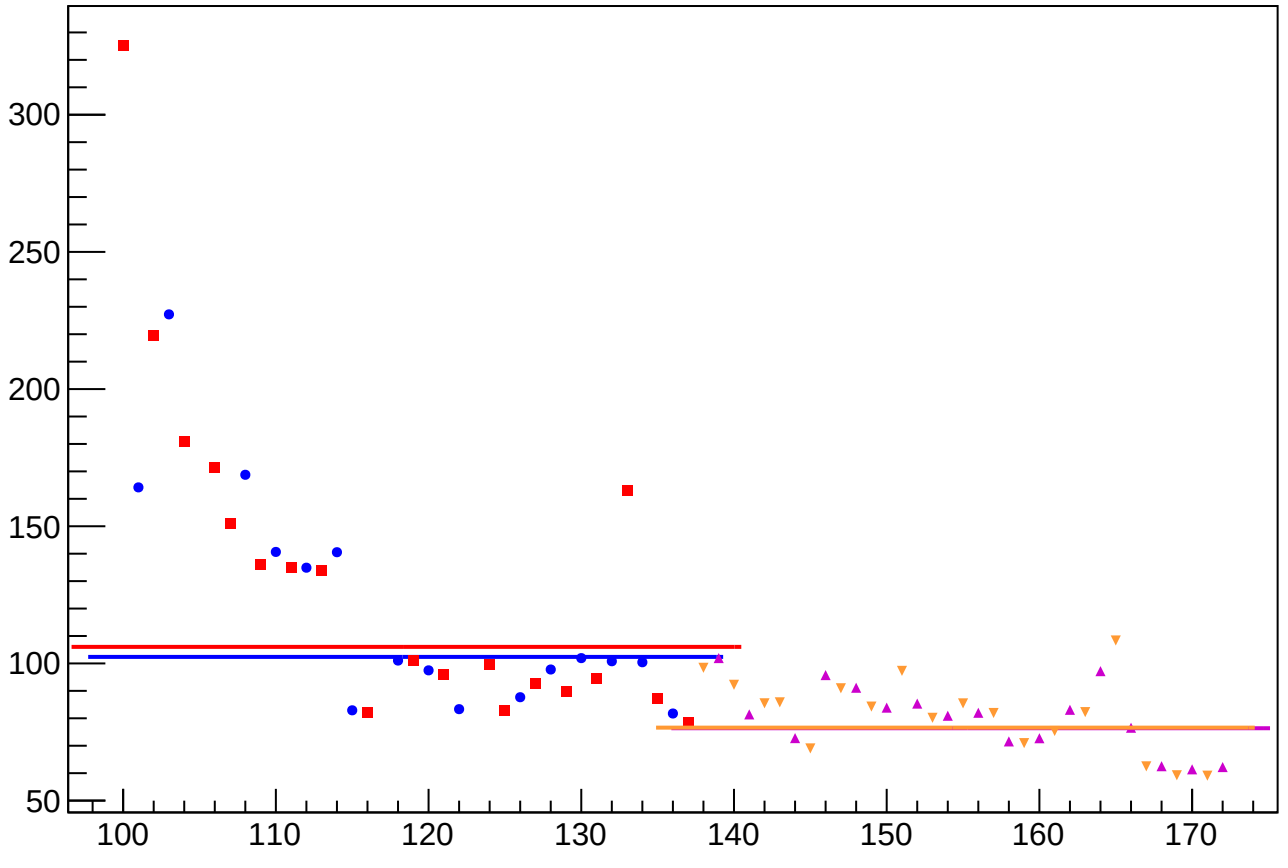
Left: 60.680+/-14.753 χ^2/NDF: 55.3/34

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 50.806+/-18.534 χ^2/NDF:42.4/32

Out: 56.183+/-18.559 χ^2/NDF:56.0/36

All: 53.491+/-13.114 χ^2/NDF: 98.5/69



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 76.595+/-0.015 χ^2/NDF:802978.9/17

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: 76.486+/-0.010 χ^2/NDF: 1407342.4/34

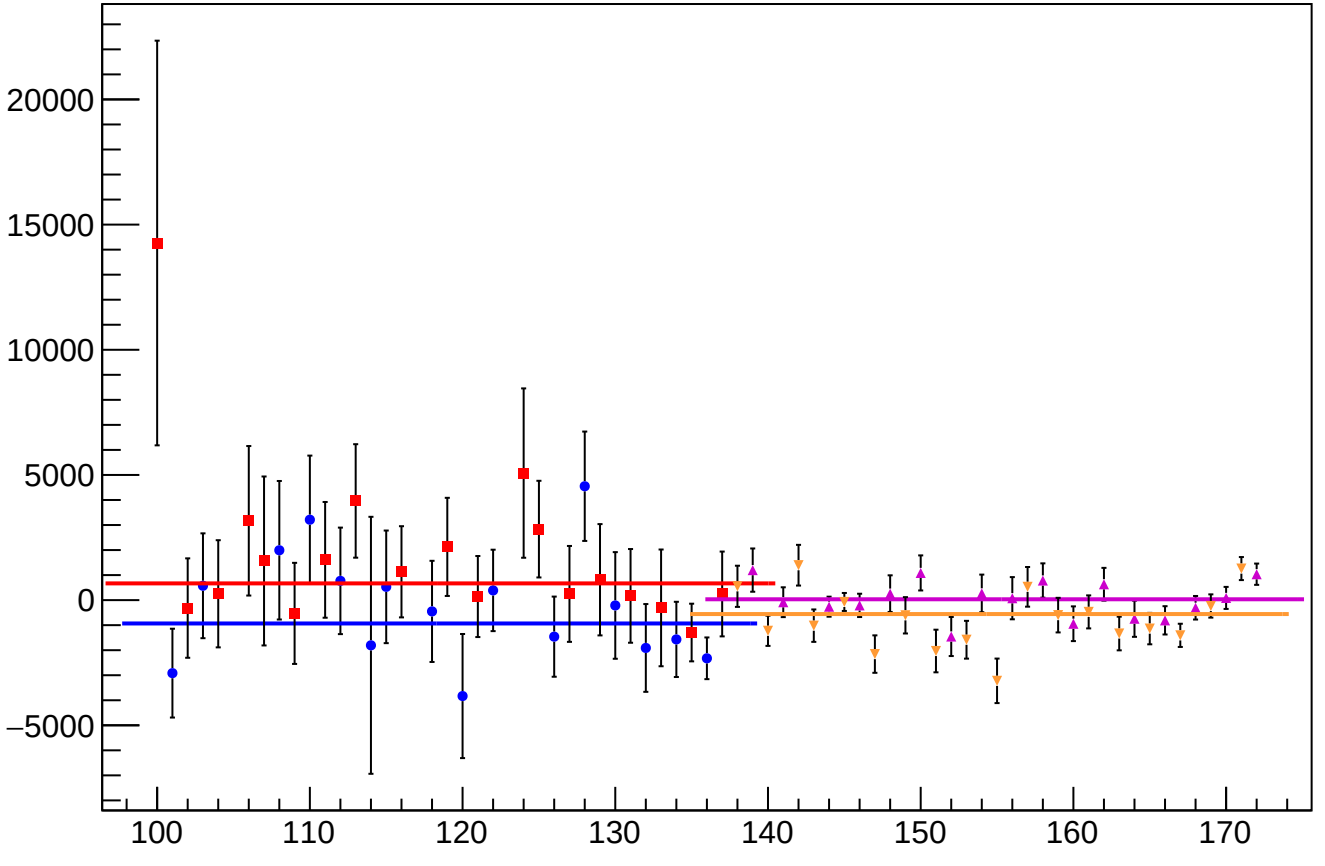
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 81.974+/-0.013 χ^2/NDF:2251478.6/32

Out: 82.609+/-0.013 χ^2/NDF:2812255.0/36

All: 82.291+/-0.009 χ^2/NDF: 5064906.9/69

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: -556.424+/-143.273 χ^2/NDF:53.1/17

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: 33.818+/-140.631 χ^2/NDF:22.2/16

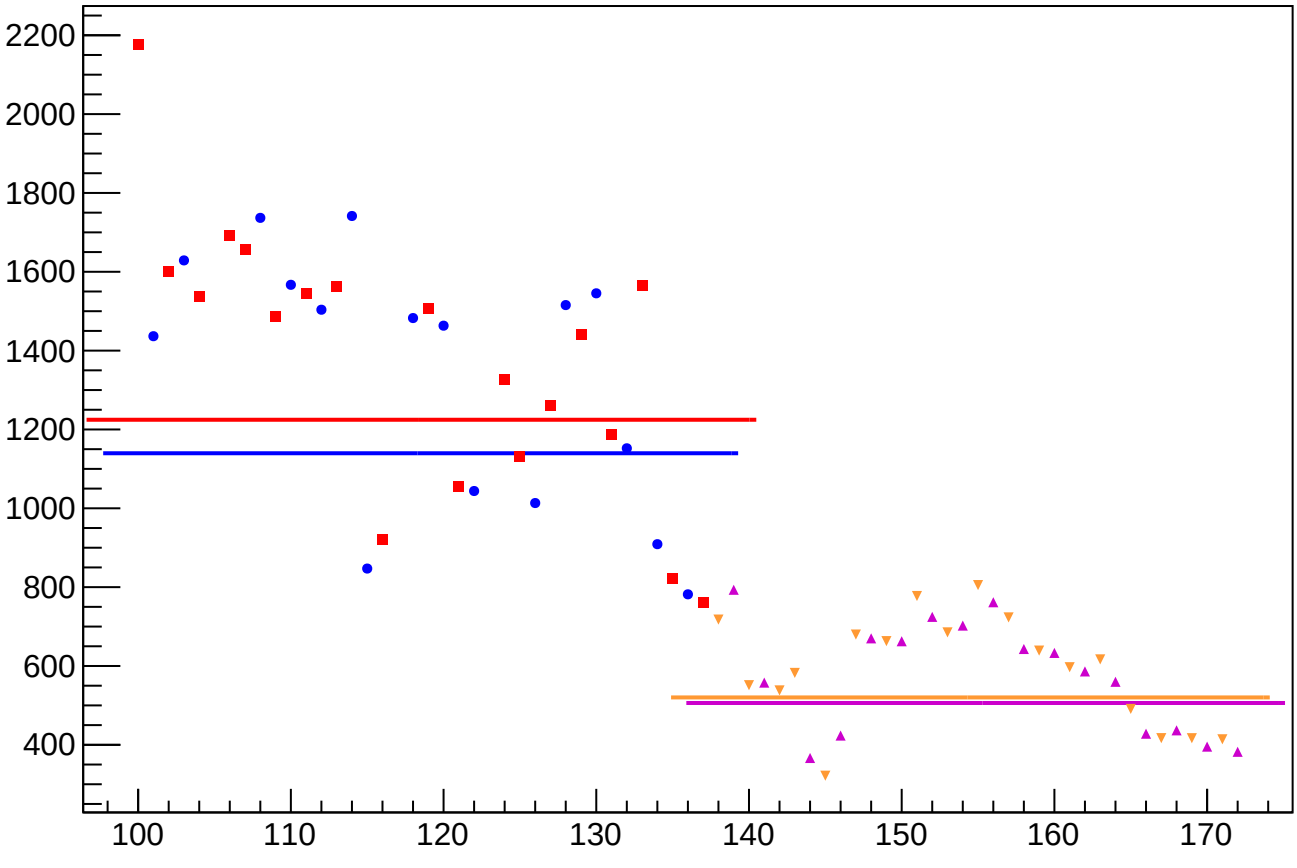
Left: -255.811+/-100.362 χ^2/NDF: 84.0/34

Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -54.737+/-134.032 χ^2/NDF:45.0/32

Out: -449.467+/-136.875 χ^2/NDF:72.9/36

All: -247.960+/-95.764 χ^2/NDF: 122.2/69



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 520.237+/-0.101 χ^2/NDF:1971471.4/17

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: 513.054+/-0.071 χ^2/NDF: 3767562.0/34

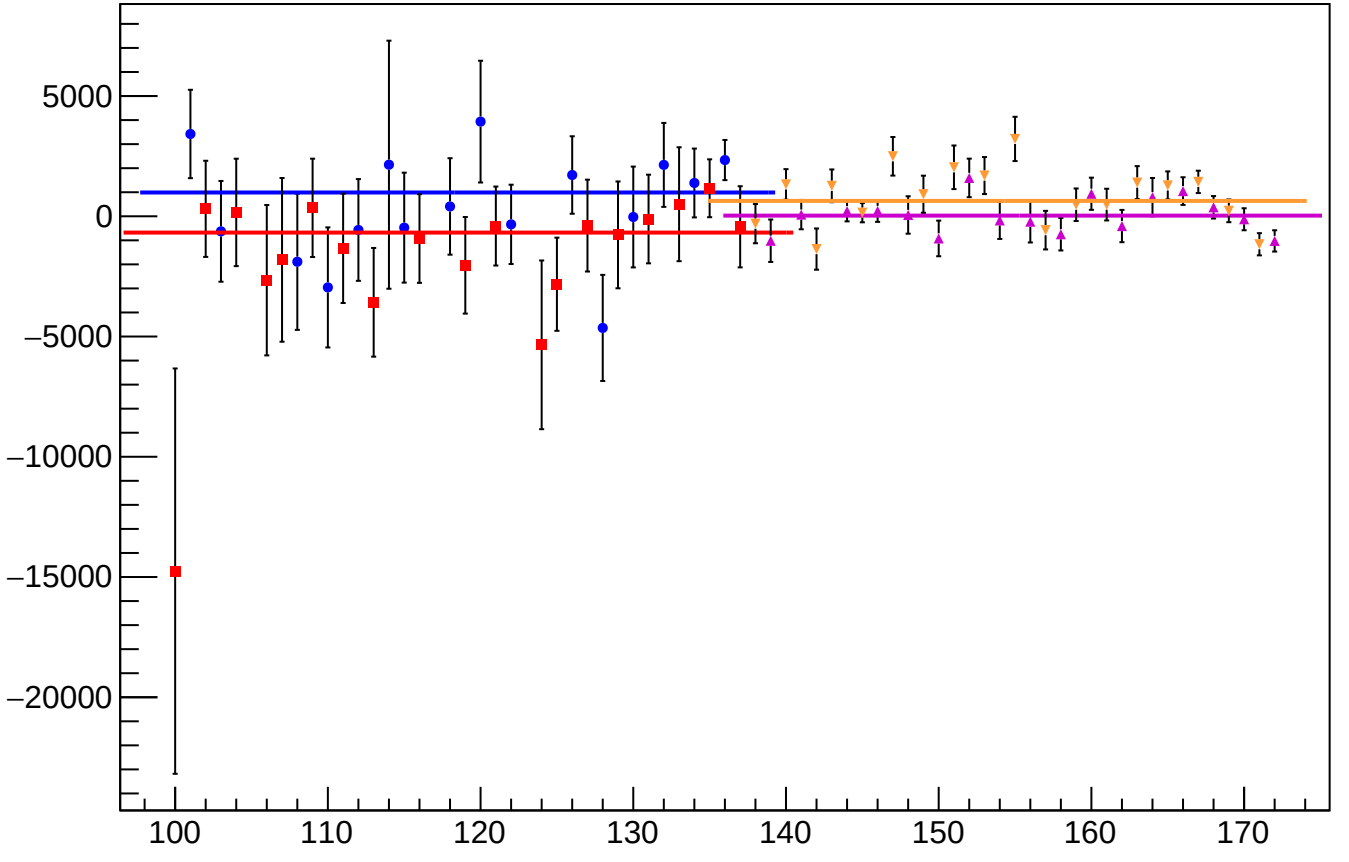
Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 564.199+/-0.095 χ^2/NDF:6599590.5/32

Out: 581.742+/-0.097 χ^2/NDF:7114964.5/36

All: 572.786+/-0.068 χ^2/NDF: 13731328.1/69

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 639.299+/-147.443 χ^2/NDF:51.7/17

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: 326.589+/-103.111 χ^2/NDF: 81.9/34

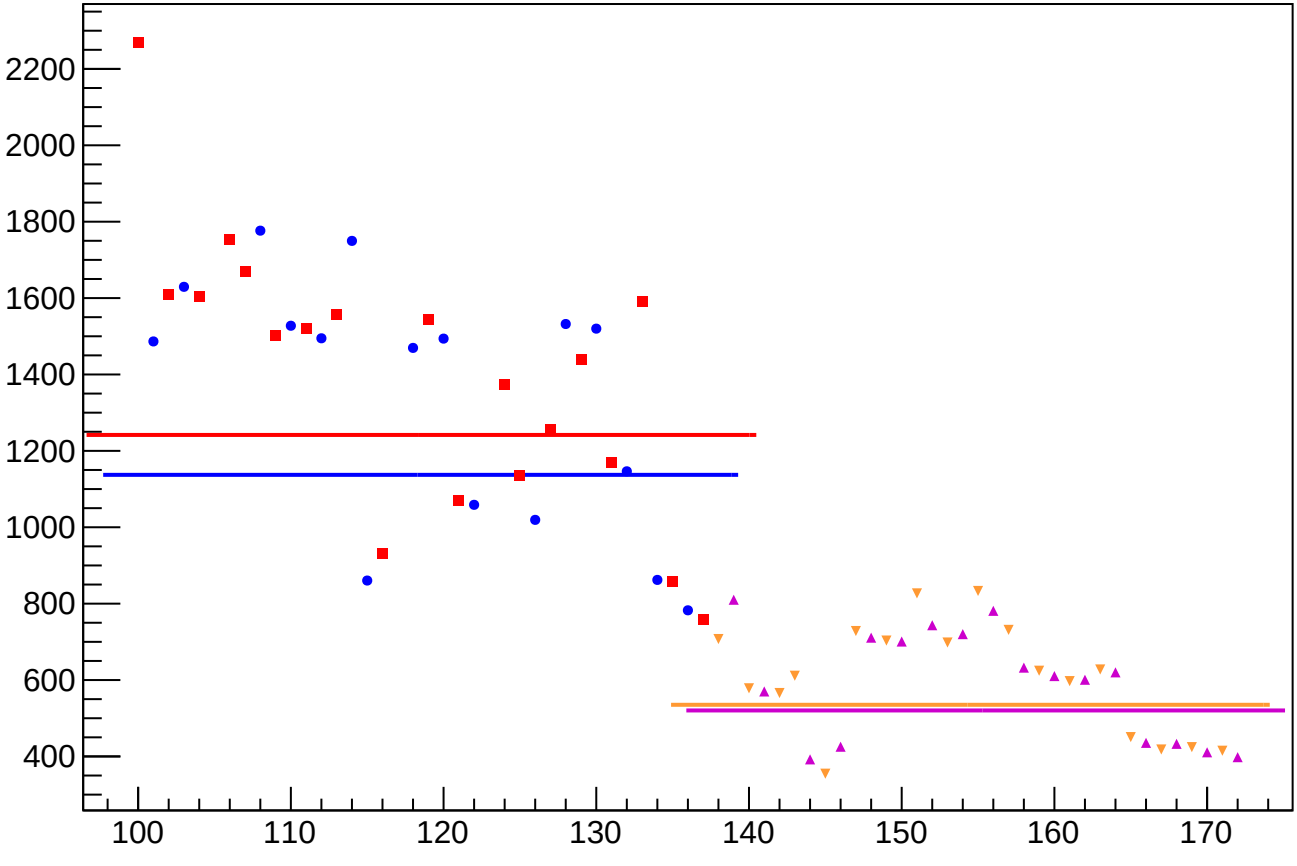
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 119.635+/-137.153 χ^2/NDF:44.7/32

Out: 521.149+/-140.674 χ^2/NDF:70.8/36

All: 315.304+/-98.203 χ^2/NDF: 119.6/69

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 535.217+/-0.104 χ^2/NDF:1873687.4/17

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 520.387+/-0.102 χ^2/NDF:1738306.7/16

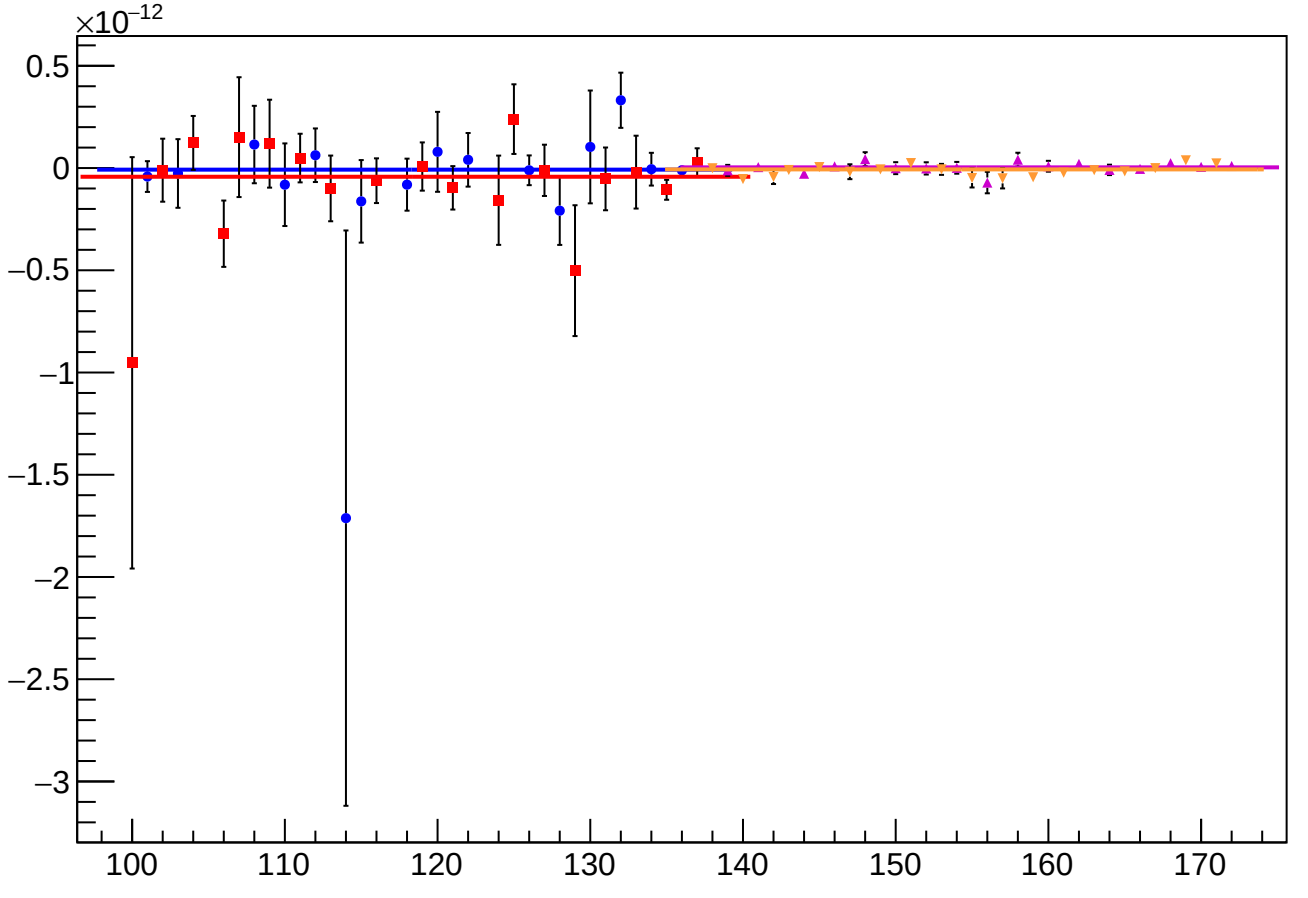
Left: 527.640+/-0.073 χ^2/NDF: 3622332.6/34

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 579.609+/-0.097 χ^2/NDF:6373054.0/32

Out: 598.601+/-0.099 χ^2/NDF:6892836.9/36

All: 588.865+/-0.069 χ^2/NDF: 13284580.3/69



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.4/17

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:10.6/16

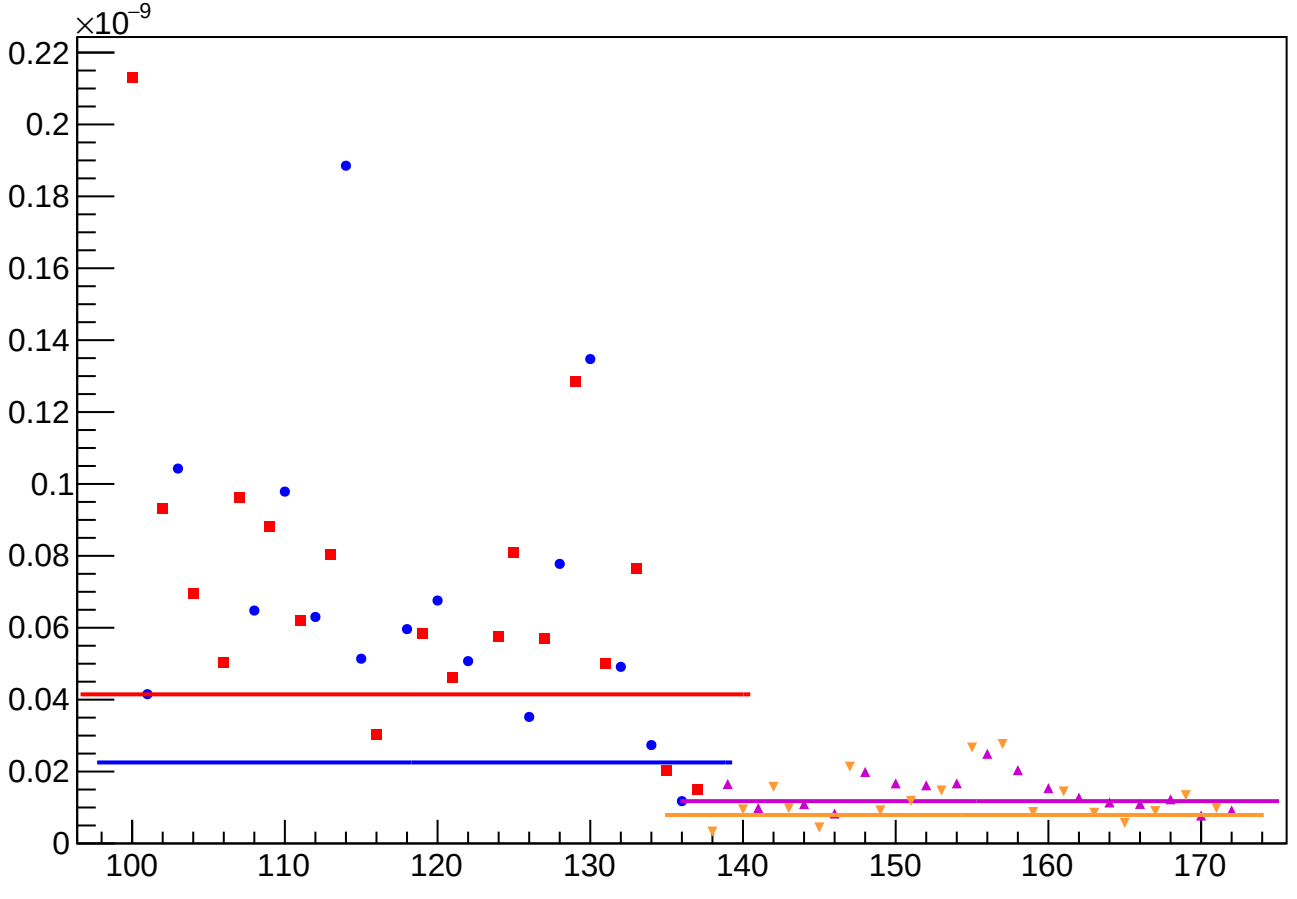
Left: -0.000+/-0.000 χ^2/NDF: 38.2/34

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:42.7/36

All: -0.000+/-0.000 χ^2/NDF: 67.6/69



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2327174.1/17

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: 3915428.5/34

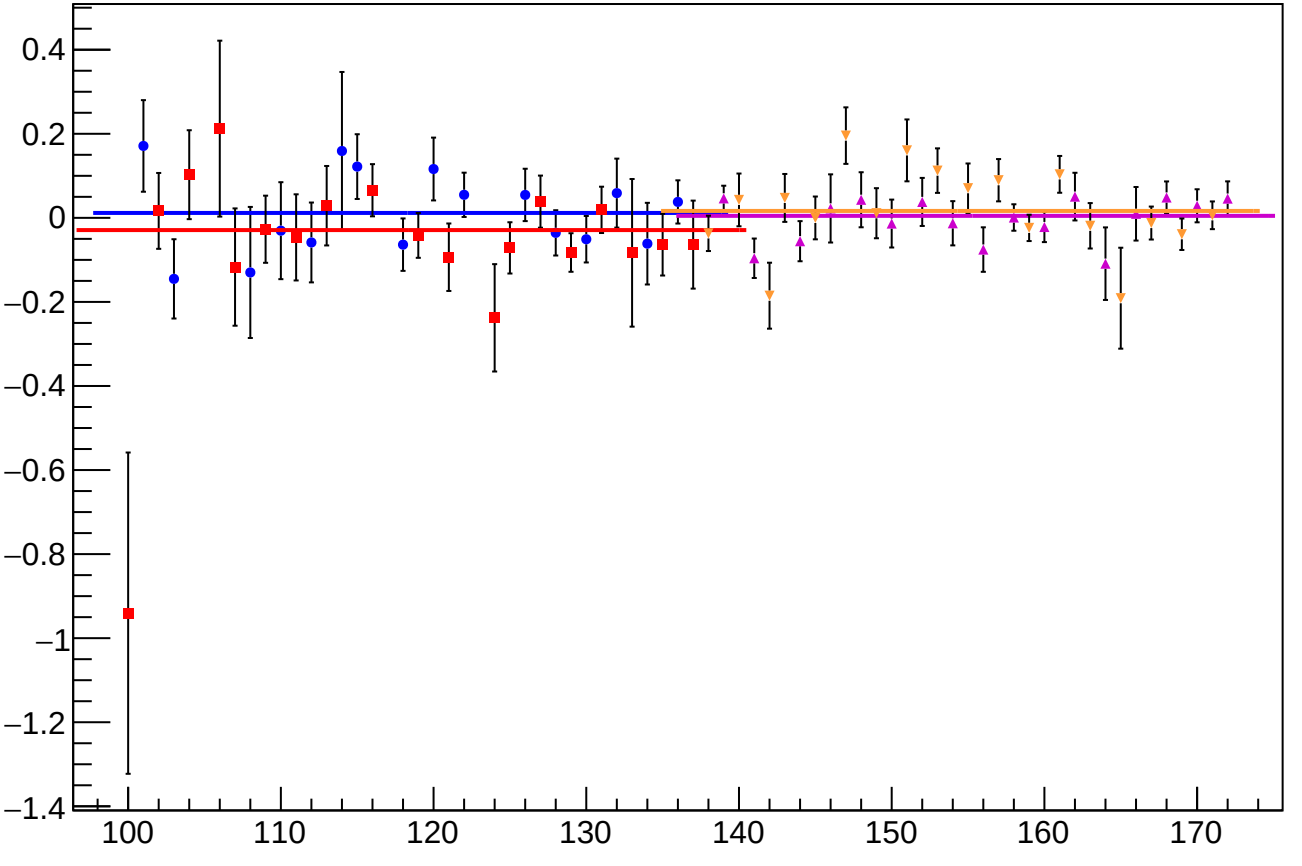
Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:4505496.0/32

Out: 0.000+/-0.000 χ^2/NDF:7178258.7/36

All: 0.000+/-0.000 χ^2/NDF: 12439007.2/69

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: 0.016+/-0.011 χ^2/NDF:37.8/17

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: 0.010+/-0.008 χ^2/NDF: 55.4/34

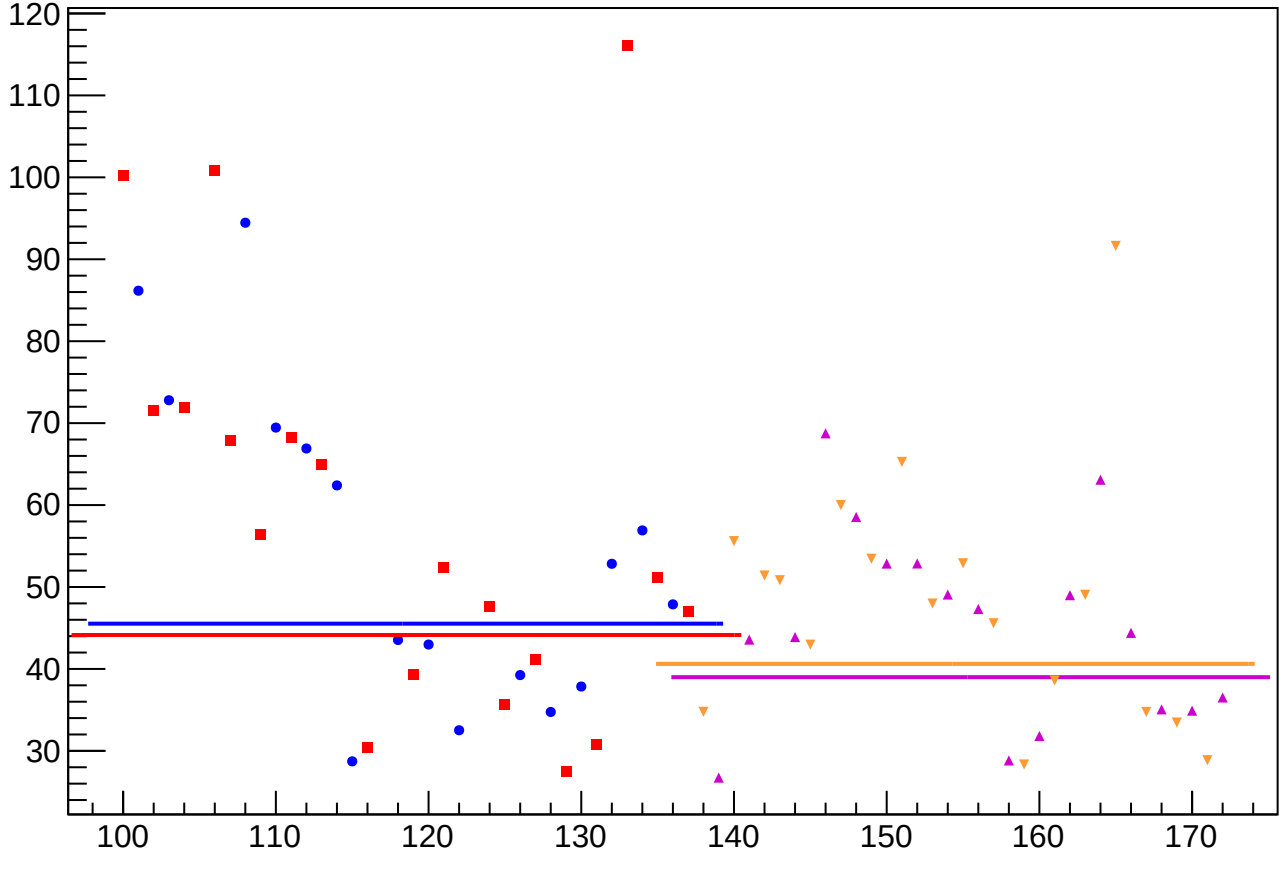
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.007+/-0.009 χ^2/NDF:33.9/32

Out: 0.003+/-0.010 χ^2/NDF:62.0/36

All: 0.005+/-0.007 χ^2/NDF: 96.0/69

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: 40.616+/-0.008 χ^2/NDF:1981178.6/17

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 38.995+/-0.008 χ^2/NDF:1749099.8/16

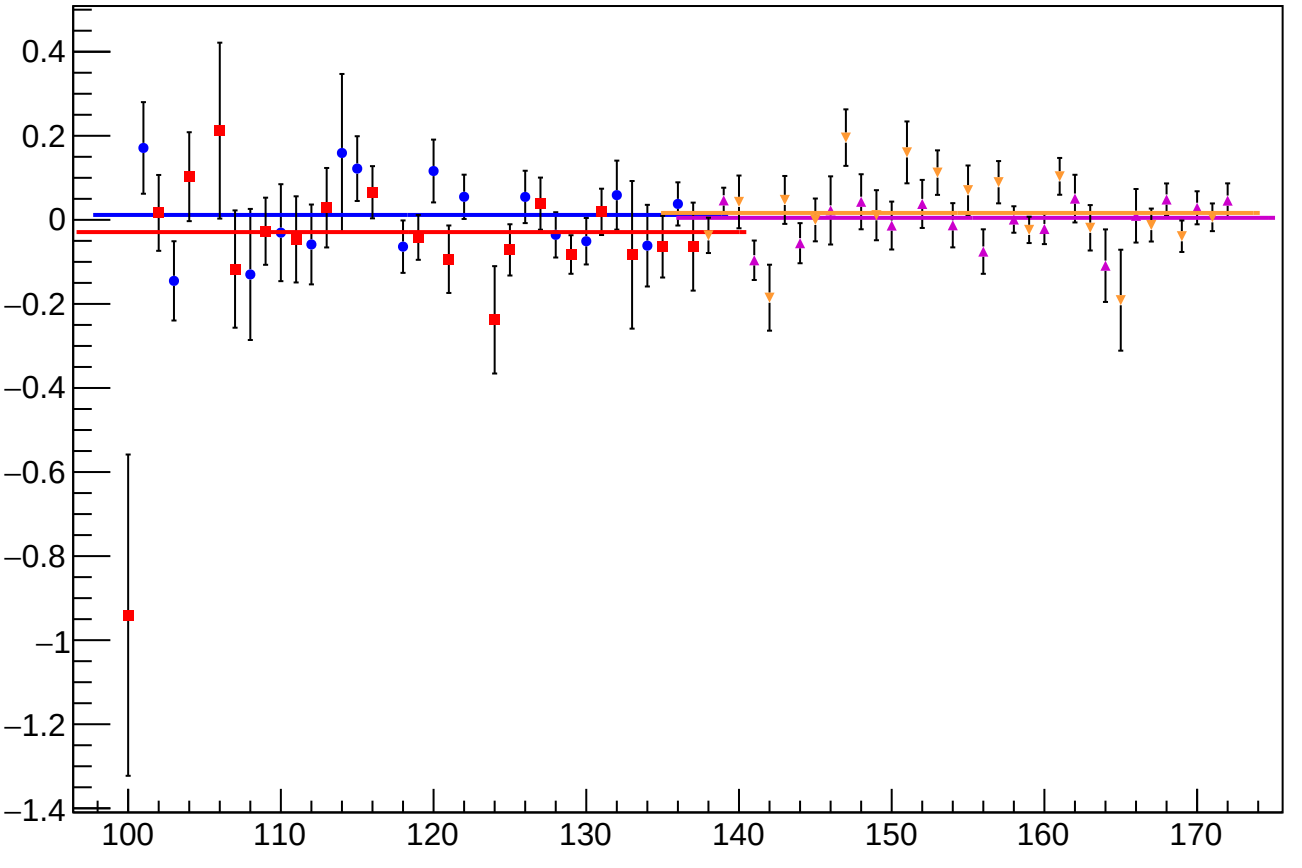
Left: 39.781+/-0.006 χ^2/NDF: 3750963.1/34

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 40.749+/-0.007 χ^2/NDF:3188948.3/32

Out: 41.639+/-0.007 χ^2/NDF:3779760.3/36

All: 41.188+/-0.005 χ^2/NDF: 6977373.7/69



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.011 χ^2/NDF:37.8/17

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: 0.010+/-0.008 χ^2/NDF: 55.4/34

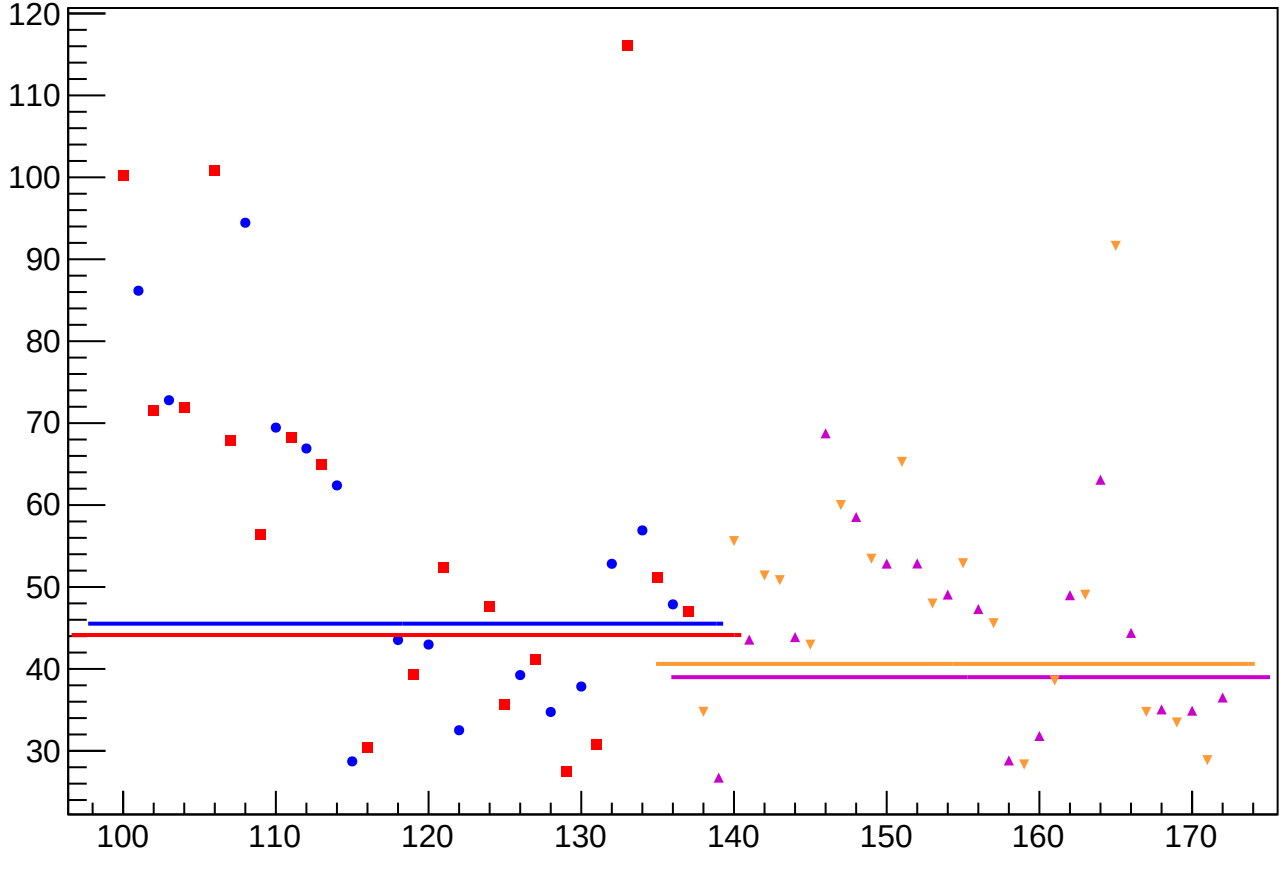
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.007+/-0.009 χ^2/NDF:33.9/32

Out: 0.003+/-0.010 χ^2/NDF:62.0/36

All: 0.005+/-0.007 χ^2/NDF: 96.0/69

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: 40.616+/-0.008 χ^2/NDF:1981178.6/17

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 38.995+/-0.008 χ^2/NDF:1749099.8/16

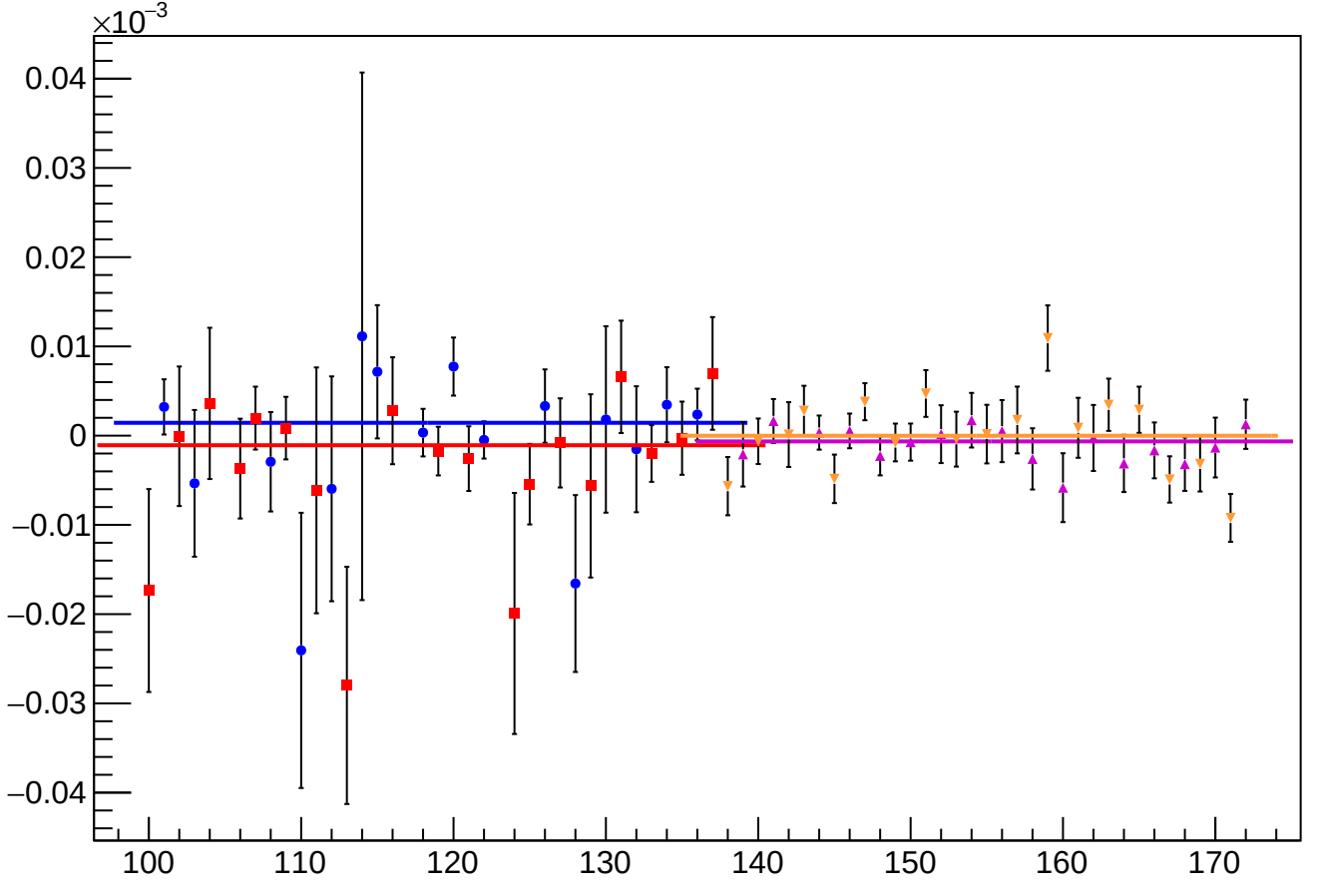
Left: 39.781+/-0.006 χ^2/NDF: 3750963.1/34

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 40.749+/-0.007 χ^2/NDF:3188948.3/32

Out: 41.639+/-0.007 χ^2/NDF:3779760.3/36

All: 41.188+/-0.005 χ^2/NDF: 6977373.7/69



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.2/17

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:7.1/16

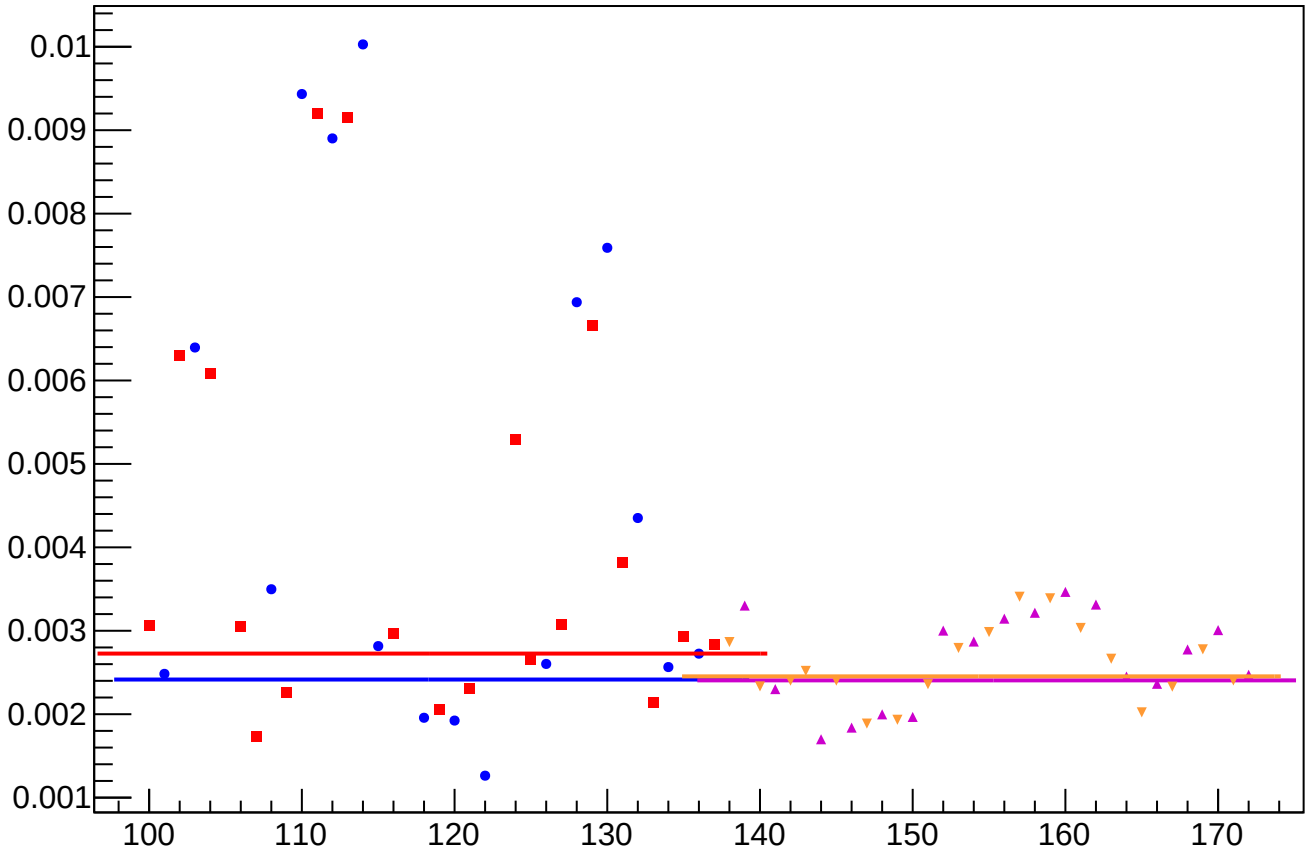
Left: -0.000+/-0.000 χ^2/NDF: 49.8/34

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:57.7/36

All: -0.000+/-0.000 χ^2/NDF: 82.0/69



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:800613.9/17

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: 2220027.7/34

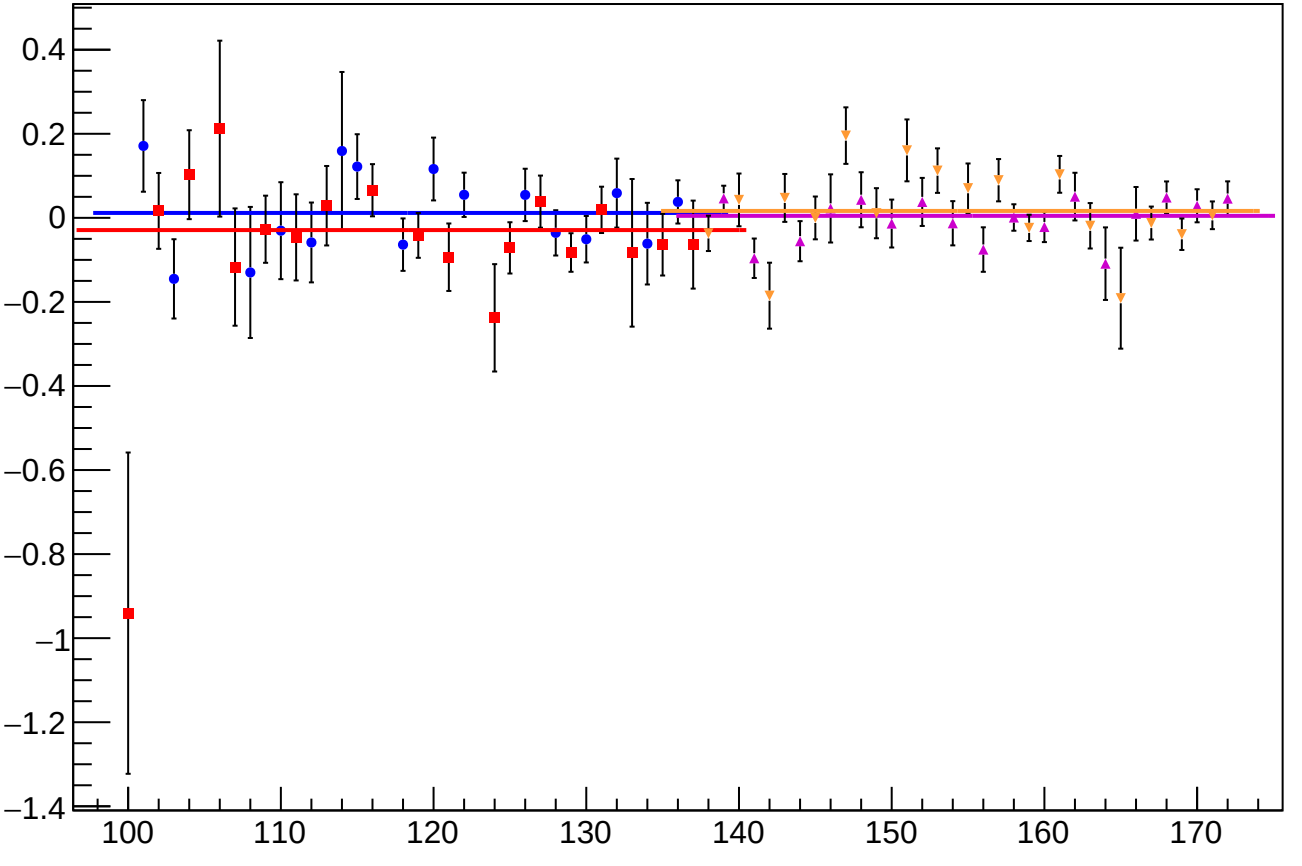
Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:4846412.7/32

Out: 0.003+/-0.000 χ^2/NDF:3393552.4/36

All: 0.002+/-0.000 χ^2/NDF: 8281854.7/69

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.011 χ^2/NDF:37.8/17

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.005+/-0.011 χ^2/NDF:17.0/16

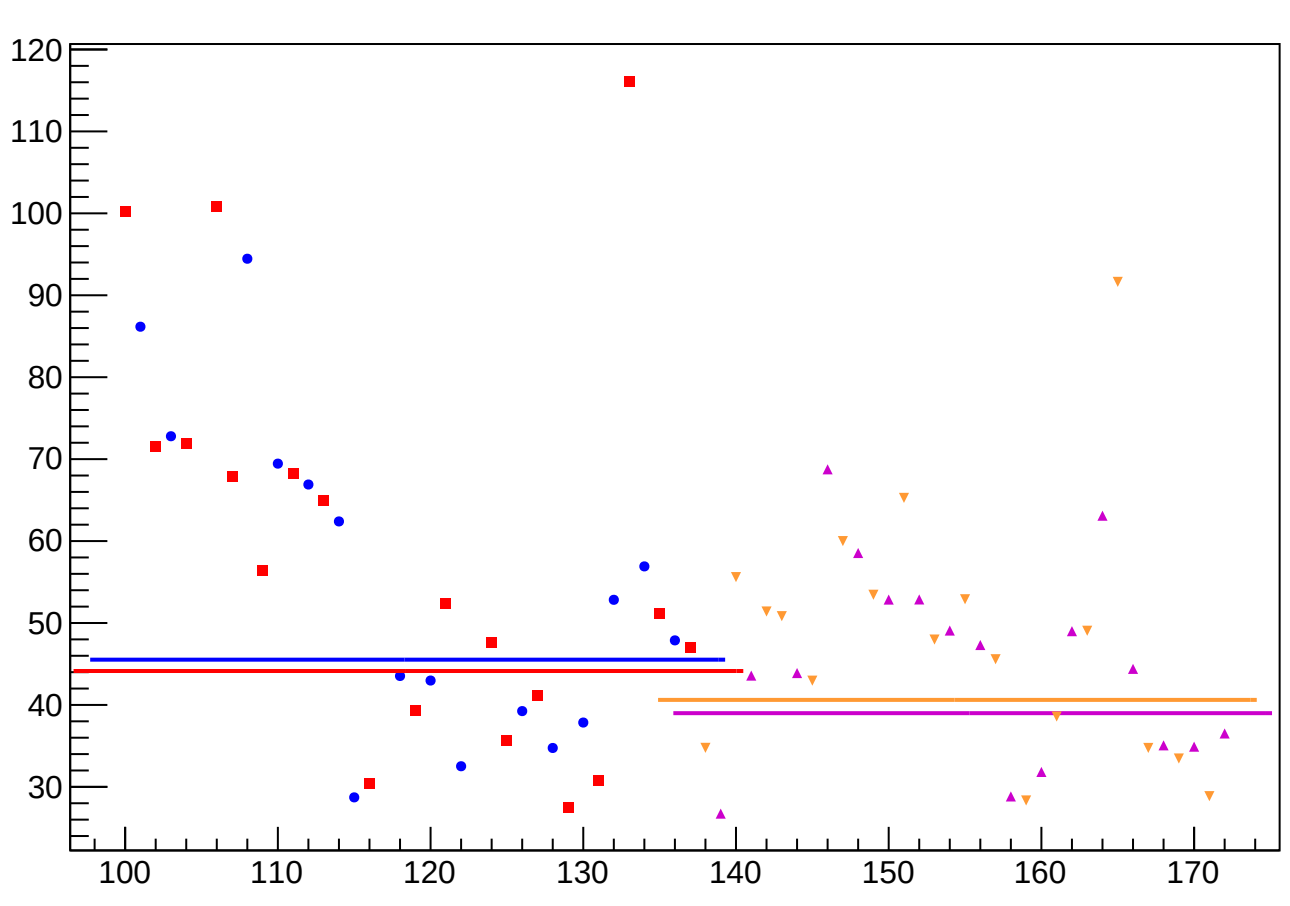
Left: 0.010+/-0.008 χ^2/NDF: 55.4/34

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.007+/-0.009 χ^2/NDF:33.9/32

Out: 0.003+/-0.010 χ^2/NDF:62.0/36

All: 0.005+/-0.007 χ^2/NDF: 96.0/69



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 40.616+/-0.008 χ^2/NDF:1981199.4/17

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: 39.781+/-0.006 χ^2/NDF: 3751024.0/34

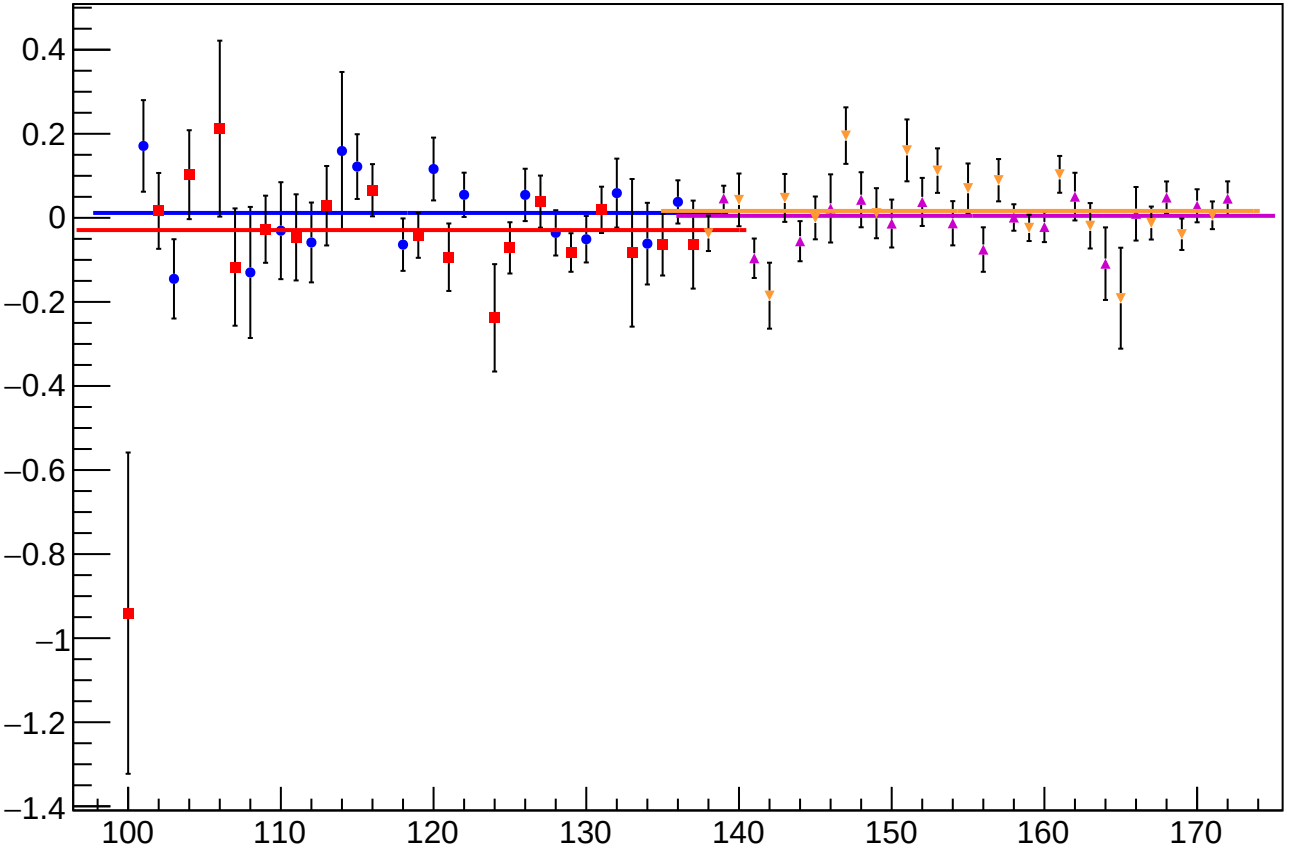
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 40.749+/-0.007 χ^2/NDF:3188924.8/32

Out: 41.640+/-0.007 χ^2/NDF:3779702.3/36

All: 41.188+/-0.005 χ^2/NDF: 6977293.4/69

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: 0.016+/-0.011 χ^2/NDF:37.8/17

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: 0.010+/-0.008 χ^2/NDF: 55.4/34

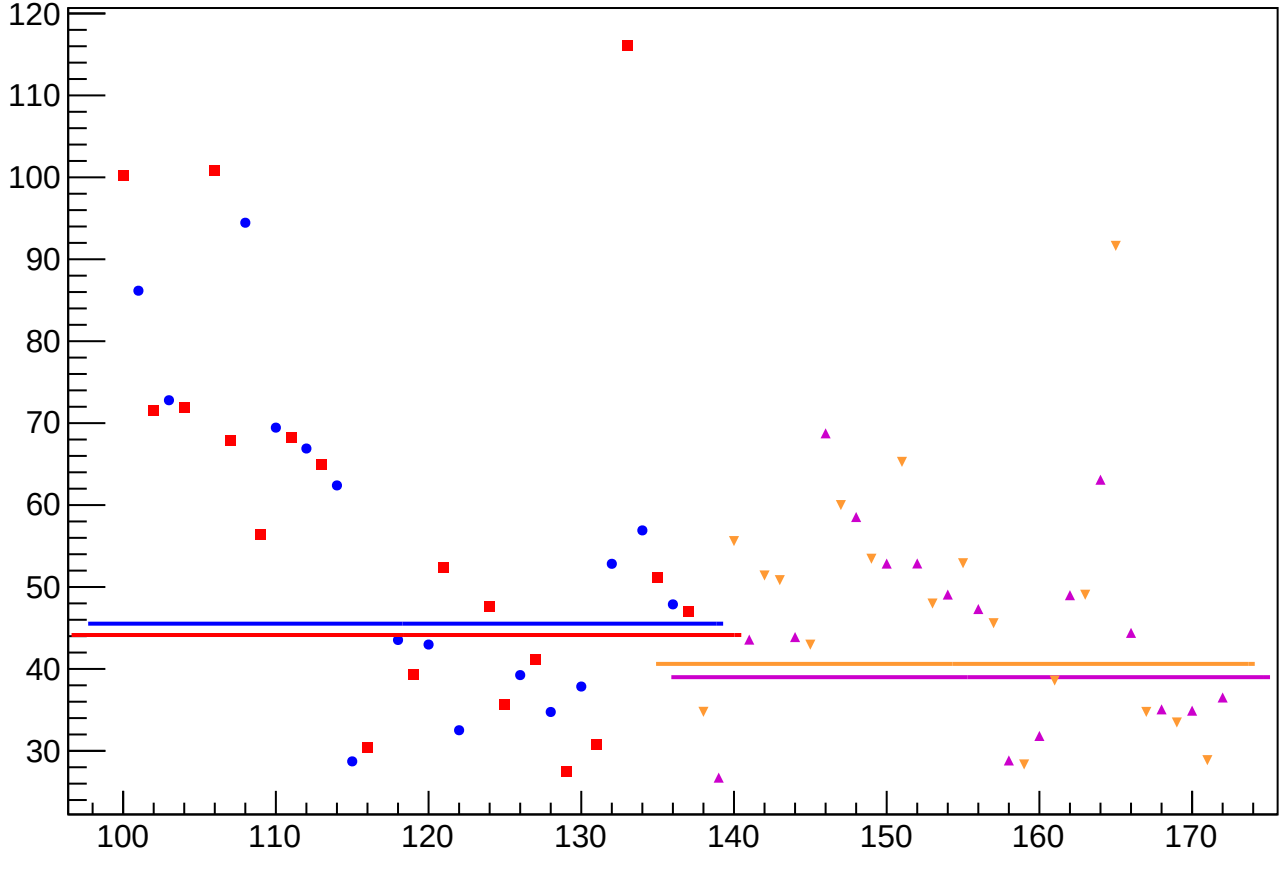
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.007+/-0.009 χ^2/NDF:33.9/32

Out: 0.003+/-0.010 χ^2/NDF:62.0/36

All: 0.005+/-0.007 χ^2/NDF: 96.0/69

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: 40.616+/-0.008 χ^2/NDF:1981199.4/17

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: 39.781+/-0.006 χ^2/NDF: 3751024.0/34

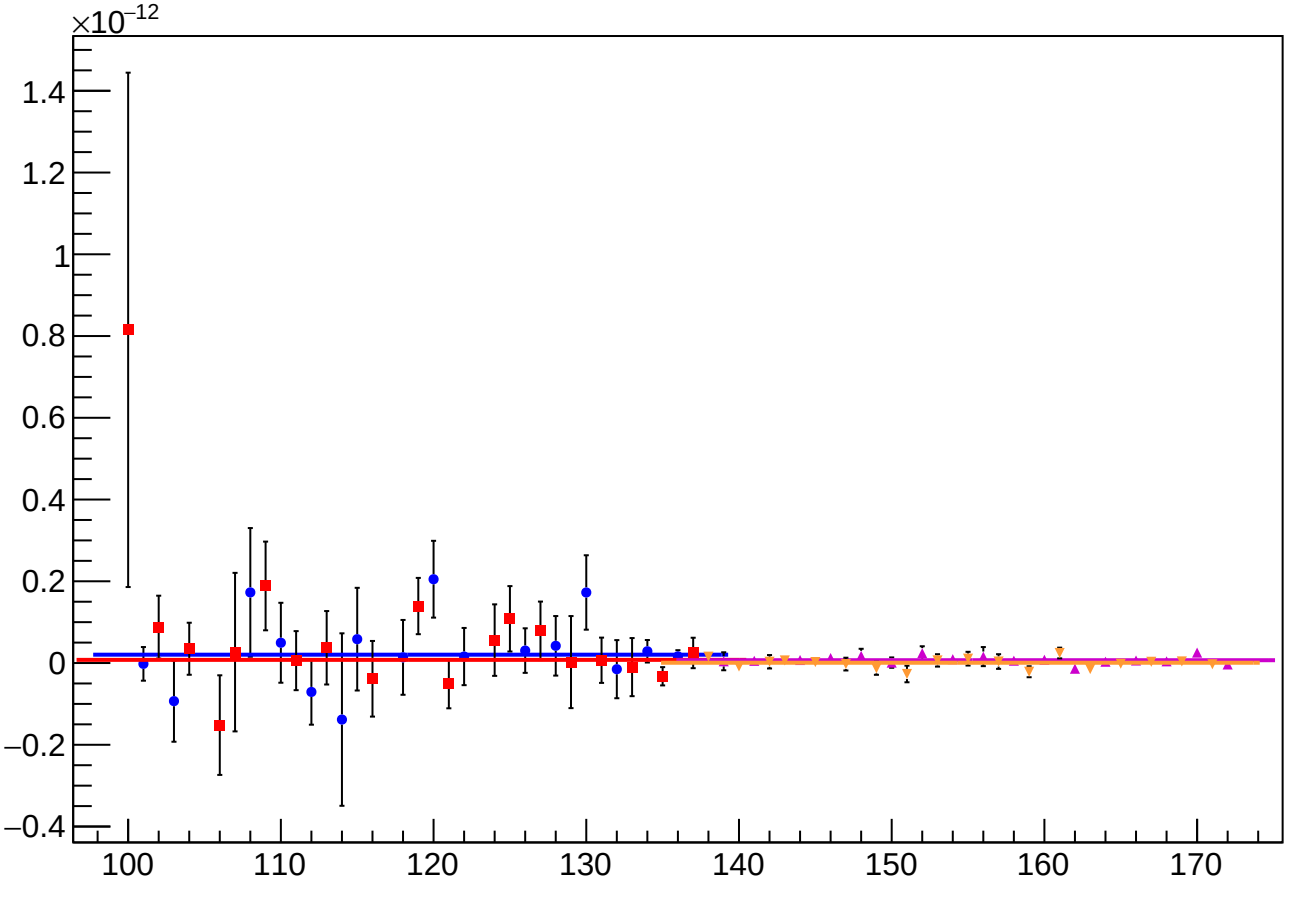
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 40.749+/-0.007 χ^2/NDF:3188924.8/32

Out: 41.640+/-0.007 χ^2/NDF:3779702.3/36

All: 41.188+/-0.005 χ^2/NDF: 6977293.4/69

asym_sam_3726_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:13.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:11.1/16

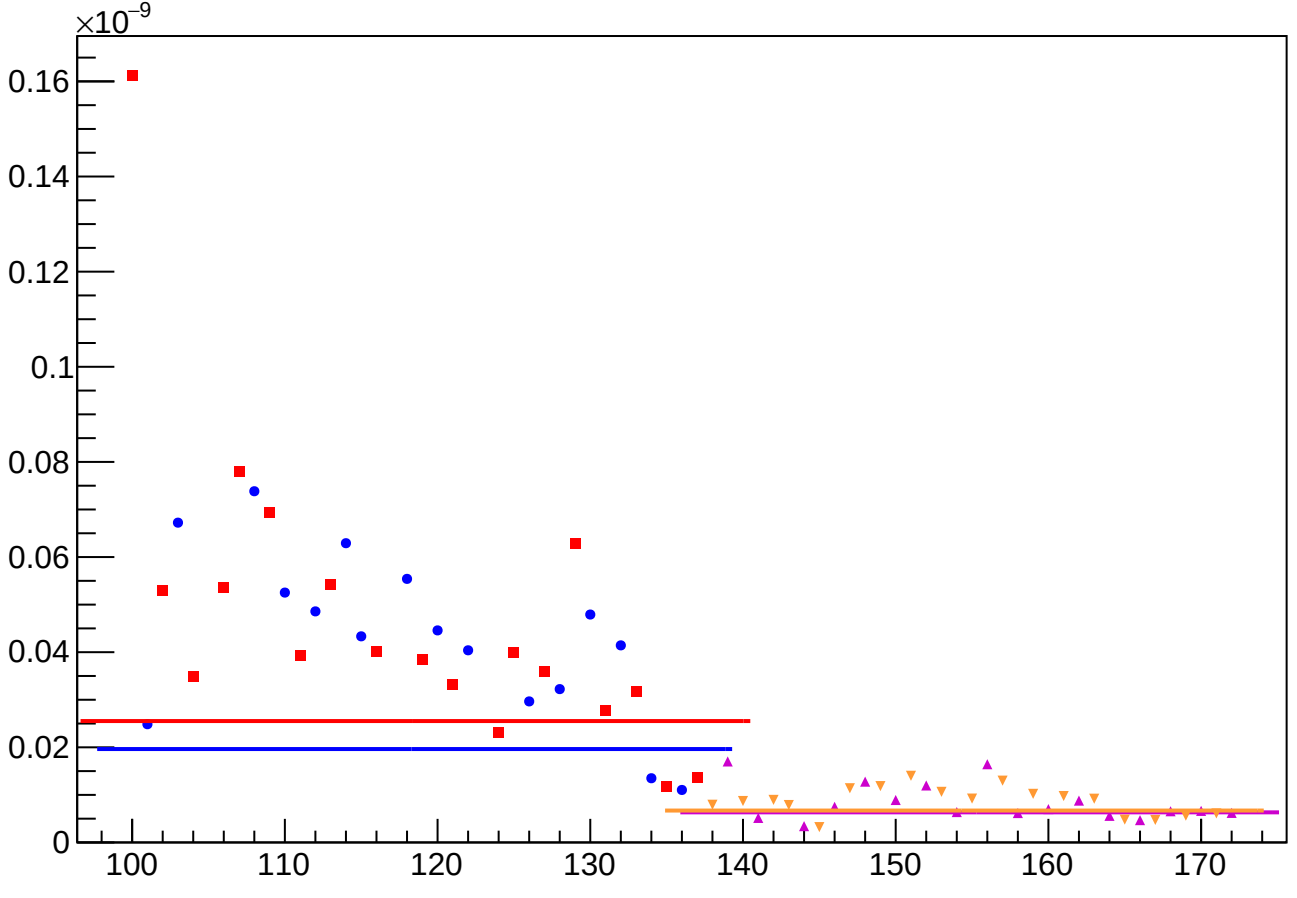
Left: 0.000+/-0.000 χ^2/NDF: 28.0/34

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:24.3/32

Out: 0.000+/-0.000 χ^2/NDF:32.7/36

All: 0.000+/-0.000 χ^2/NDF: 60.7/69



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2611453.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2189013.1/16

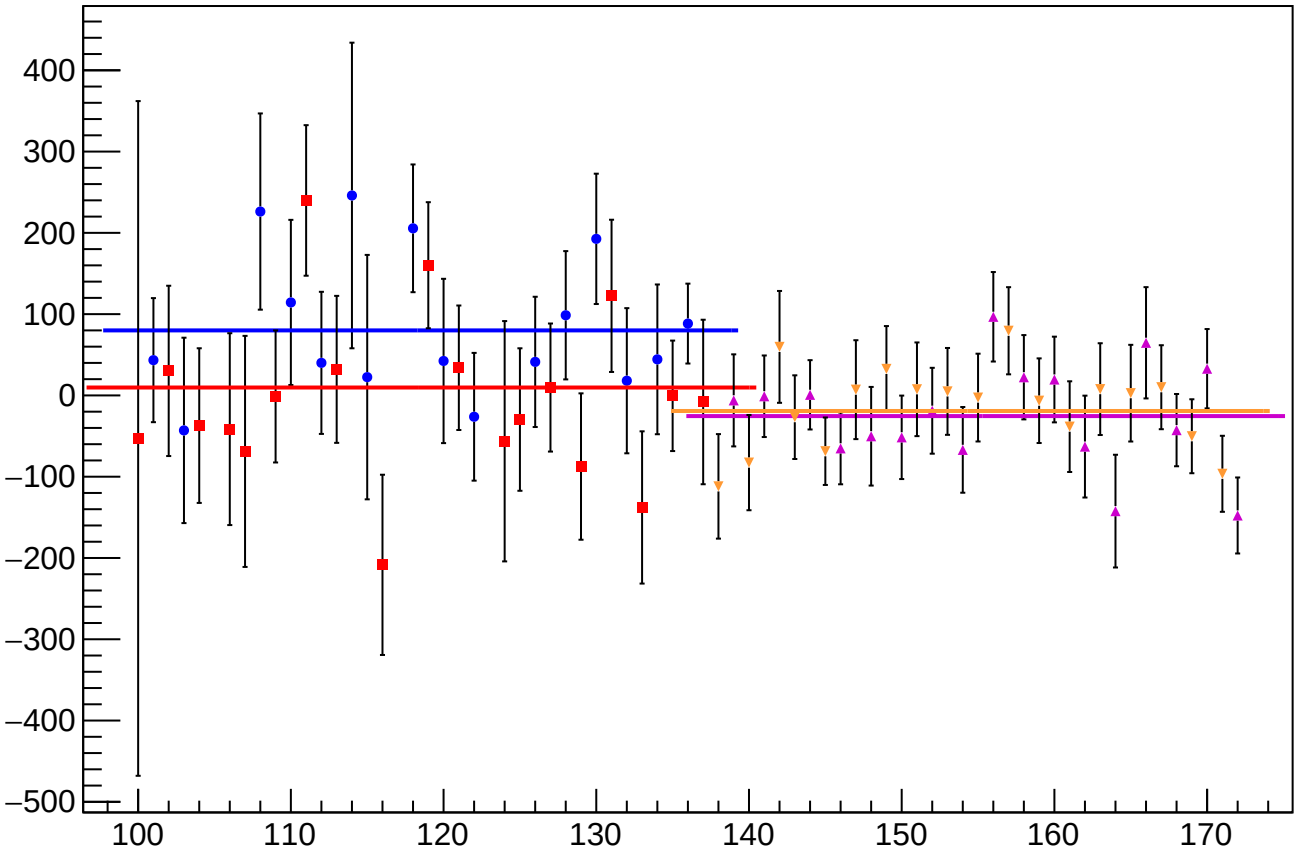
Left: 0.000+/-0.000 χ^2/NDF: 4823876.4/34

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:8965437.9/36

All: 0.000+/-0.000 χ^2/NDF: 17127956.4/69



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -19.148+/-12.622 χ^2/NDF:15.1/17

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -25.427+/-12.638 χ^2/NDF:22.5/16

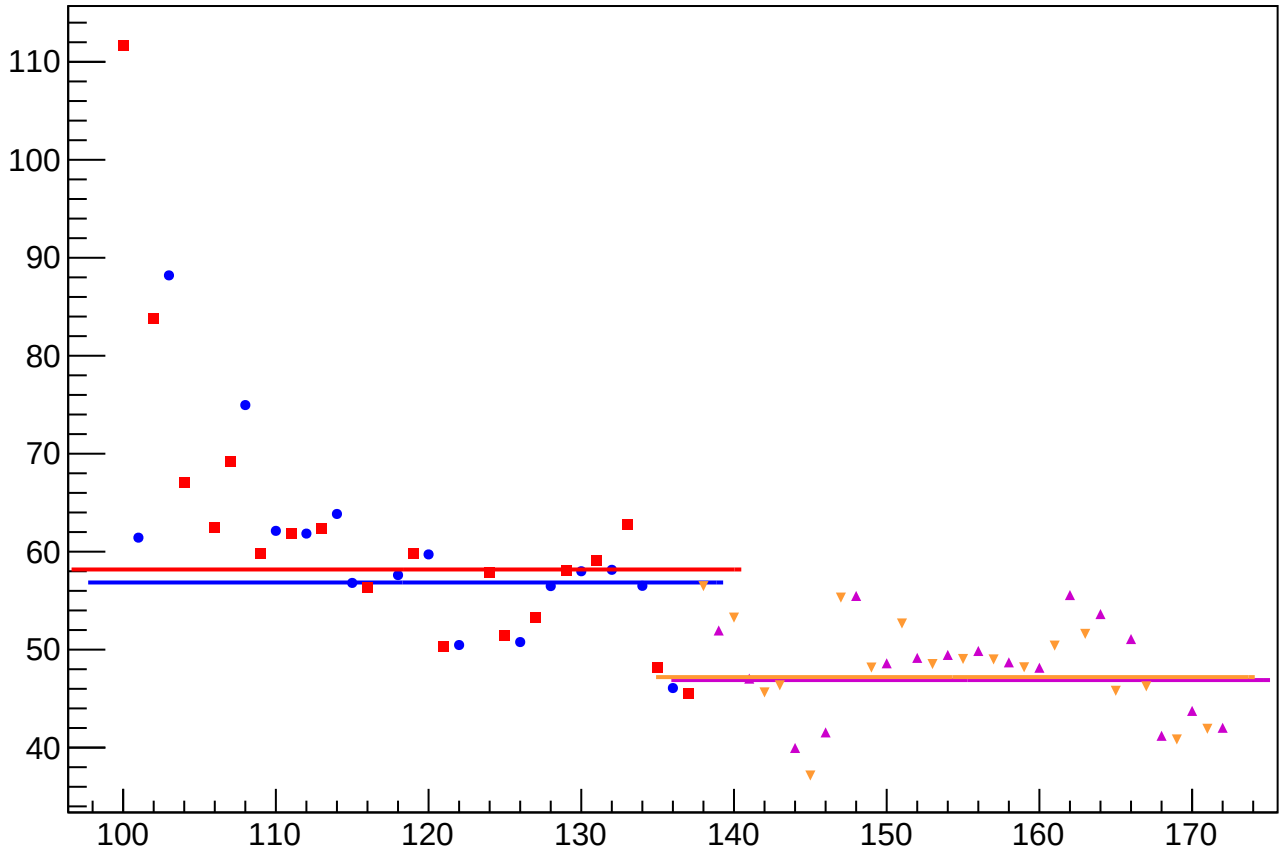
Left: -22.283+/-8.931 χ^2/NDF: 37.7/34

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 1.694+/-10.892 χ^2/NDF:51.9/32

Out: -11.806+/-10.900 χ^2/NDF:36.8/36

All: -5.051+/-7.705 χ^2/NDF: 89.5/69



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 47.195+/-0.009 χ^2/NDF:328076.0/17

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 46.893+/-0.009 χ^2/NDF:285587.1/16

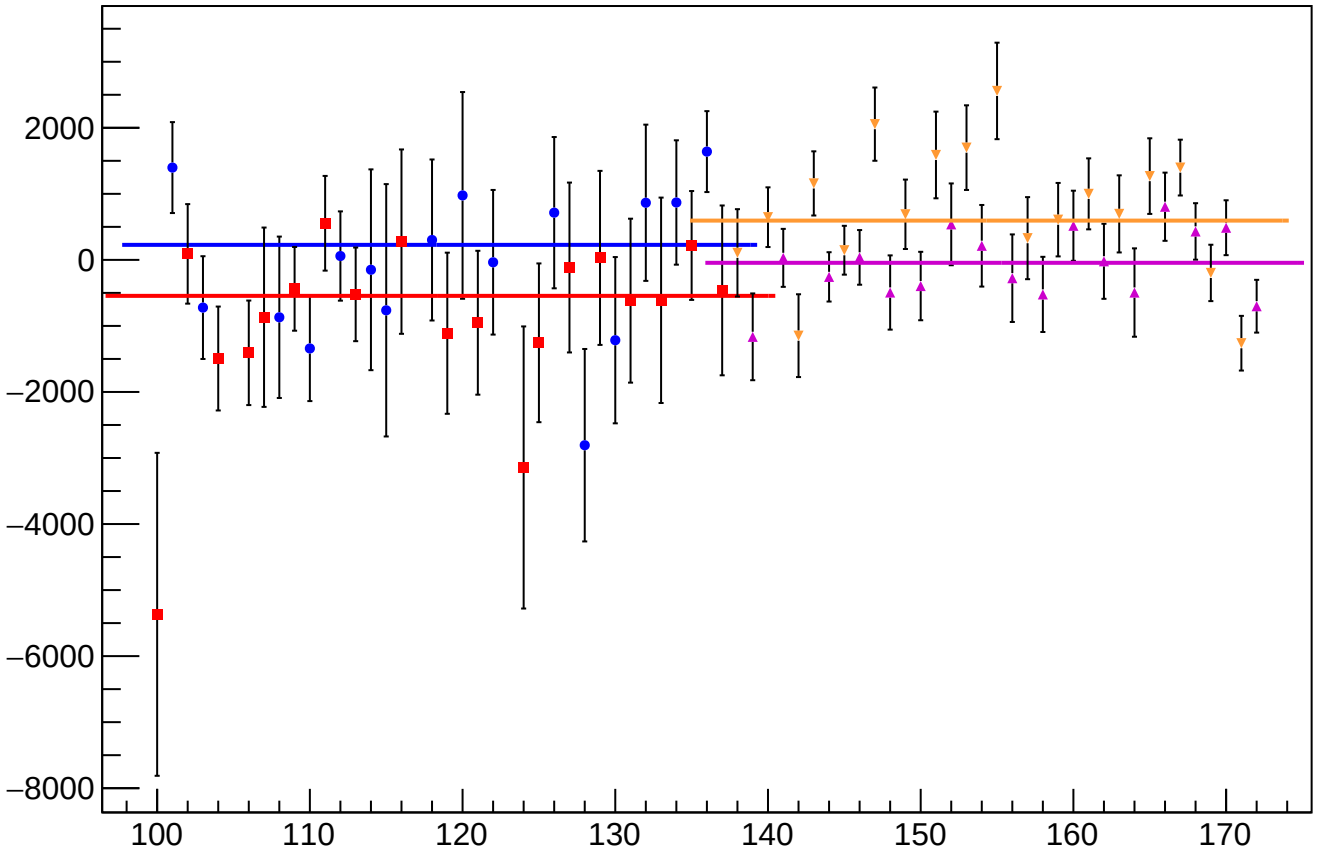
Left: 47.044+/-0.006 χ^2/NDF: 614235.5/34

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 49.456+/-0.008 χ^2/NDF:946808.4/32

Out: 49.989+/-0.008 χ^2/NDF:1027951.5/36

All: 49.722+/-0.005 χ^2/NDF: 1977150.7/69



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 594.938+/-122.198 χ^2/NDF:59.9/17

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -44.368+/-121.141 χ^2/NDF:16.1/16

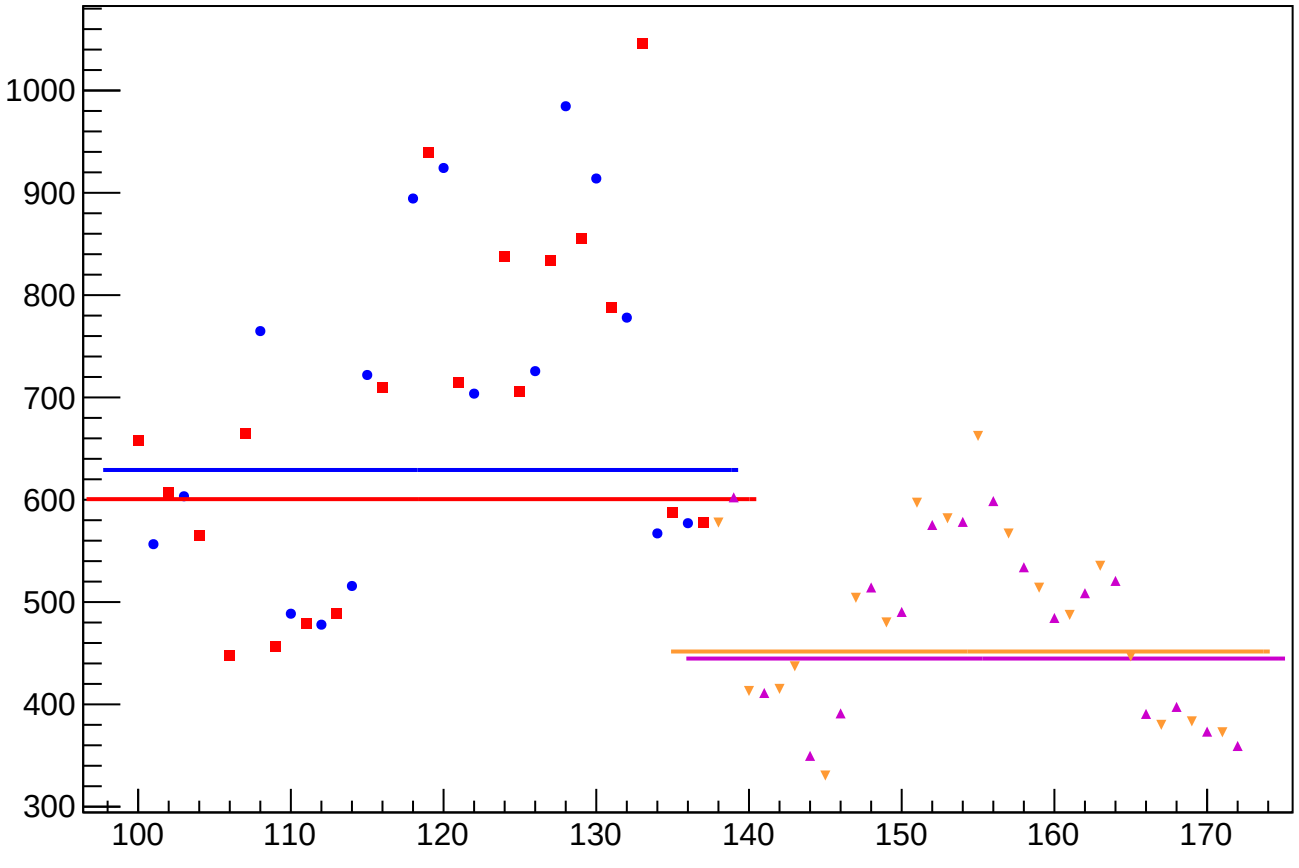
Left: 272.508+/-86.031 χ^2/NDF: 89.8/34

Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: 10.389+/-108.257 χ^2/NDF:38.8/32

Out: 339.296+/-107.624 χ^2/NDF:92.8/36

All: 175.806+/-76.324 χ^2/NDF: 136.2/69



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 451.664+/-0.086 χ^2/NDF:1007292.8/17

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 444.786+/-0.086 χ^2/NDF:934505.2/16

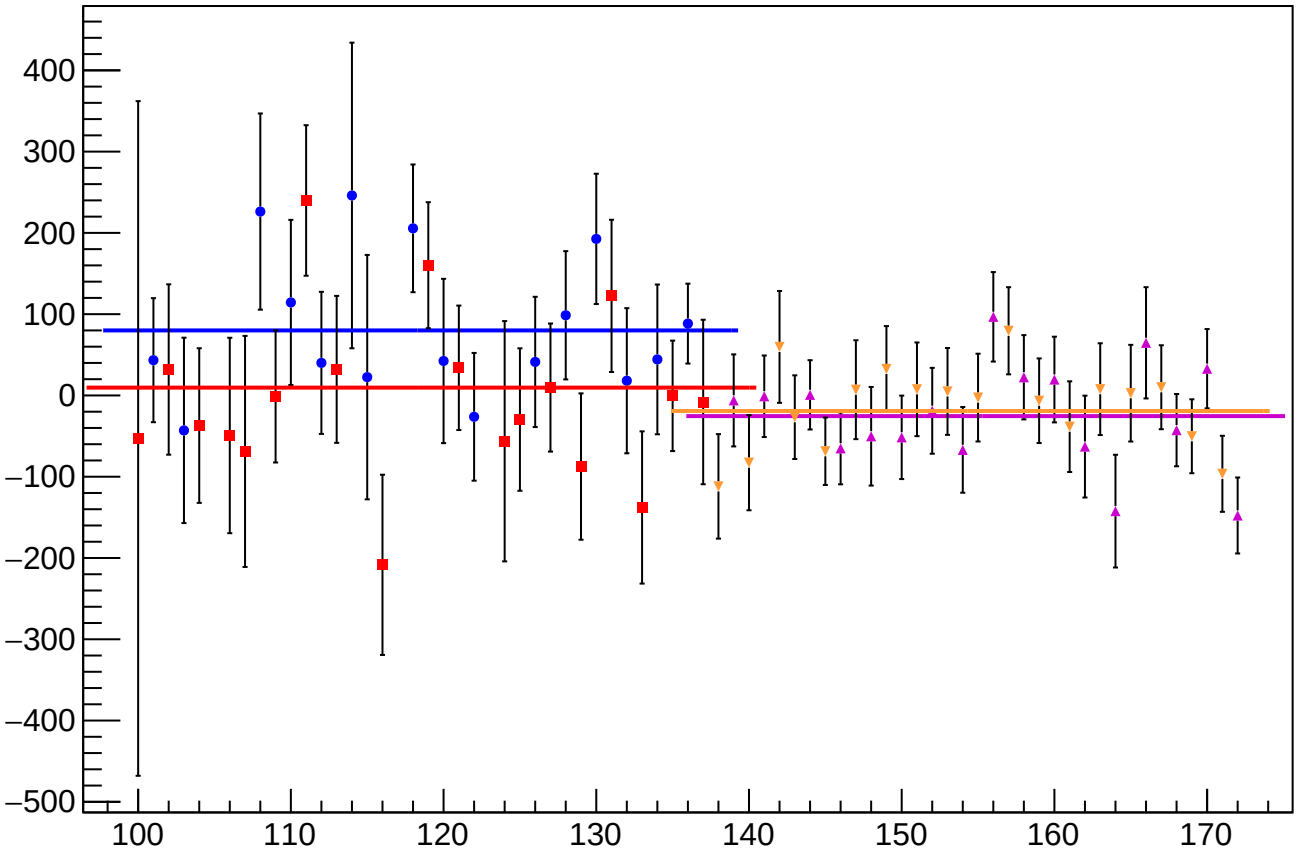
Left: 448.195+/-0.061 χ^2/NDF: 1944993.7/34

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 481.907+/-0.077 χ^2/NDF:2559644.6/32

Out: 485.070+/-0.076 χ^2/NDF:2548252.5/36

All: 483.497+/-0.054 χ^2/NDF: 5108755.9/69



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -19.149+/-12.622 χ^2/NDF:15.1/17

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -25.428+/-12.638 χ^2/NDF:22.5/16

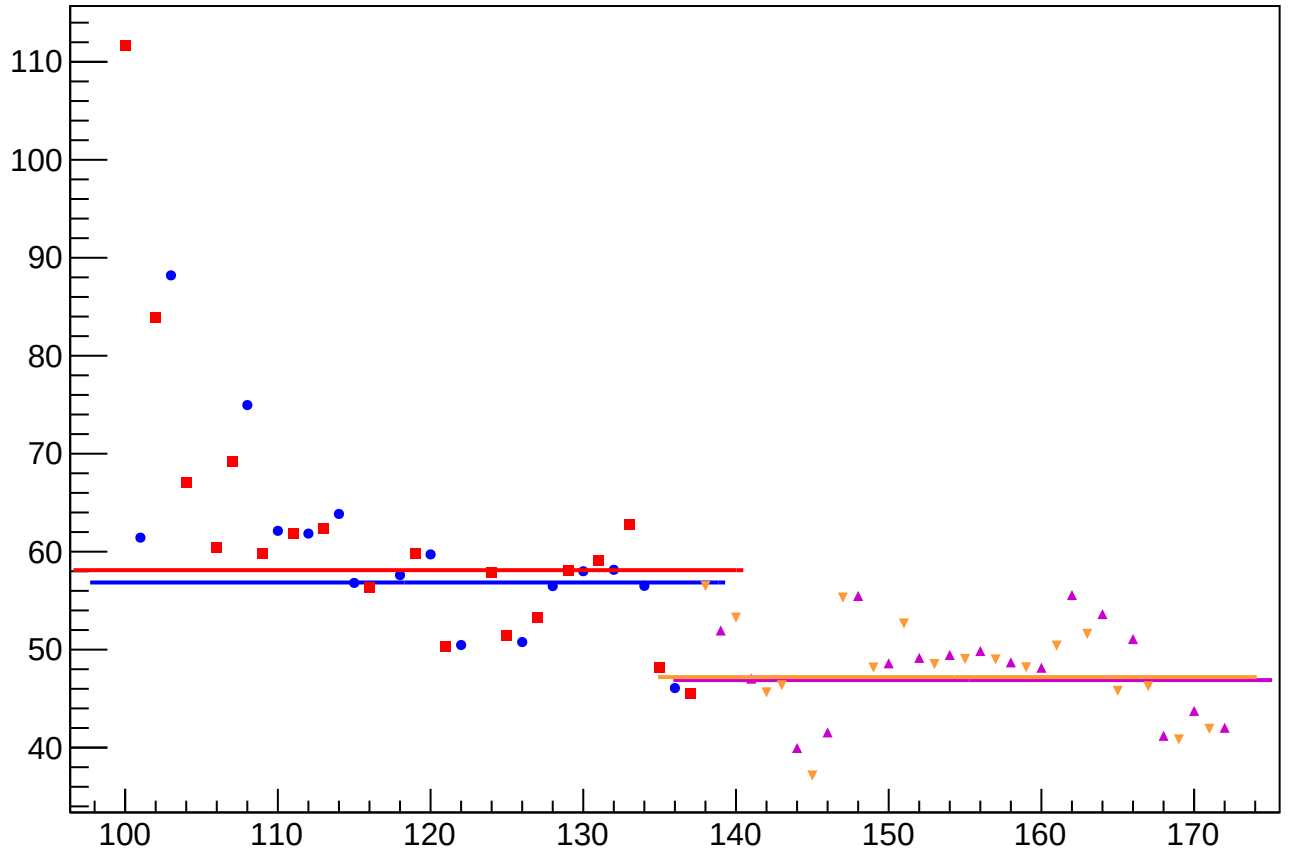
Left: -22.284+/-8.931 χ^2/NDF: 37.7/34

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 1.695+/-10.892 χ^2/NDF:51.9/32

Out: -11.842+/-10.902 χ^2/NDF:36.8/36

All: -5.068+/-7.705 χ^2/NDF: 89.5/69



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.195+/-0.009 χ^2/NDF:328076.0/17

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.893+/-0.009 χ^2/NDF:285587.1/16

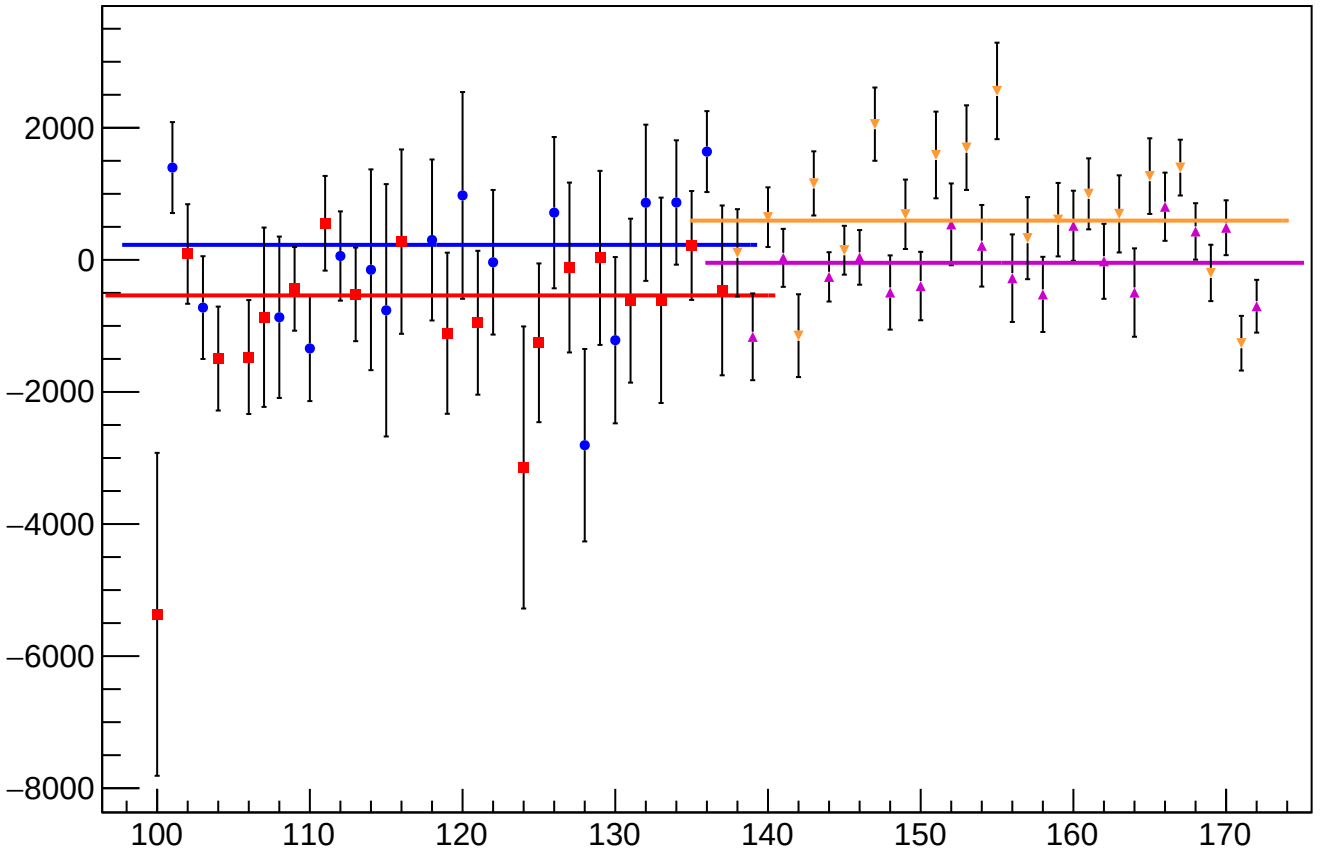
Left: 47.044+/-0.006 χ^2/NDF: 614235.5/34

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 49.456+/-0.008 χ^2/NDF:946812.5/32

Out: 49.968+/-0.008 χ^2/NDF:1020929.4/36

All: 49.712+/-0.005 χ^2/NDF: 1969951.1/69



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 594.936+/-122.198 χ^2/NDF:59.9/17

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -44.372+/-121.141 χ^2/NDF:16.1/16

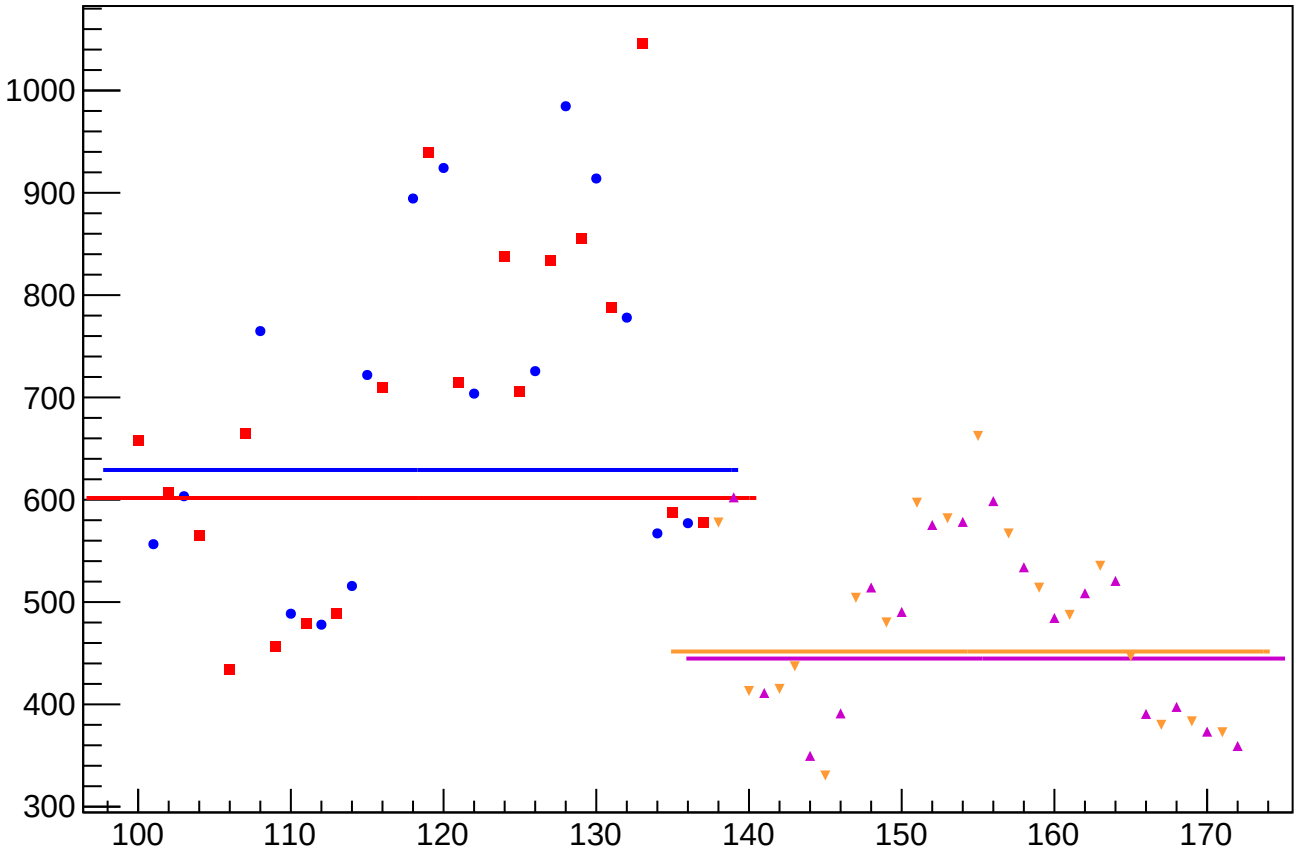
Left: 272.504+/-86.031 χ^2/NDF: 89.8/34

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: 10.393+/-108.257 χ^2/NDF:38.8/32

Out: 343.390+/-107.783 χ^2/NDF:92.3/36

All: 177.621+/-76.381 χ^2/NDF: 135.9/69



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 451.664+/-0.086 χ^2/NDF:1007294.6/17

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 444.786+/-0.086 χ^2/NDF:934504.3/16

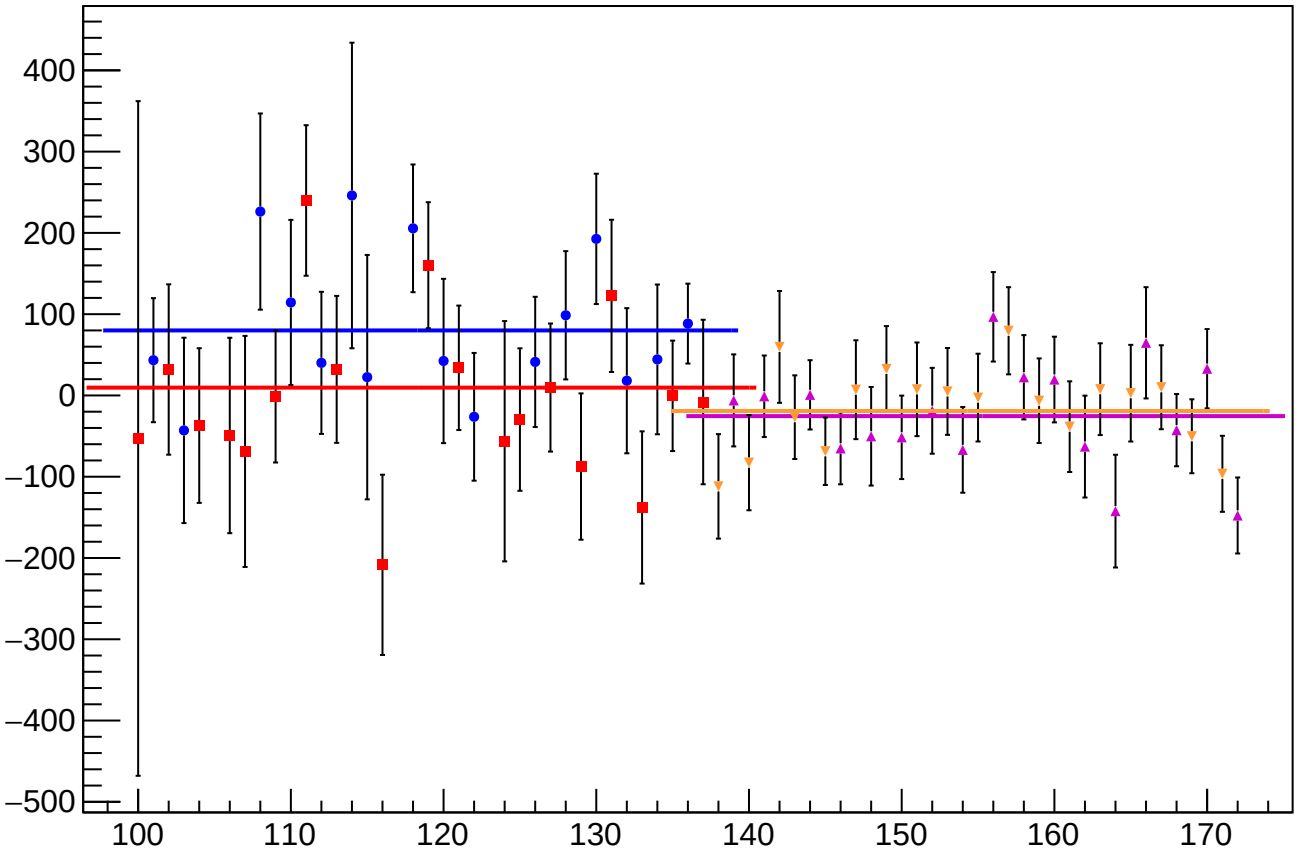
Left: 448.195+/-0.061 χ^2/NDF: 1944994.2/34

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 481.907+/-0.077 χ^2/NDF:2559671.6/32

Out: 484.978+/-0.076 χ^2/NDF:2550878.6/36

All: 483.449+/-0.054 χ^2/NDF: 5111358.2/69



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -19.149+/-12.622 χ^2/NDF:15.1/17

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -25.428+/-12.638 χ^2/NDF:22.5/16

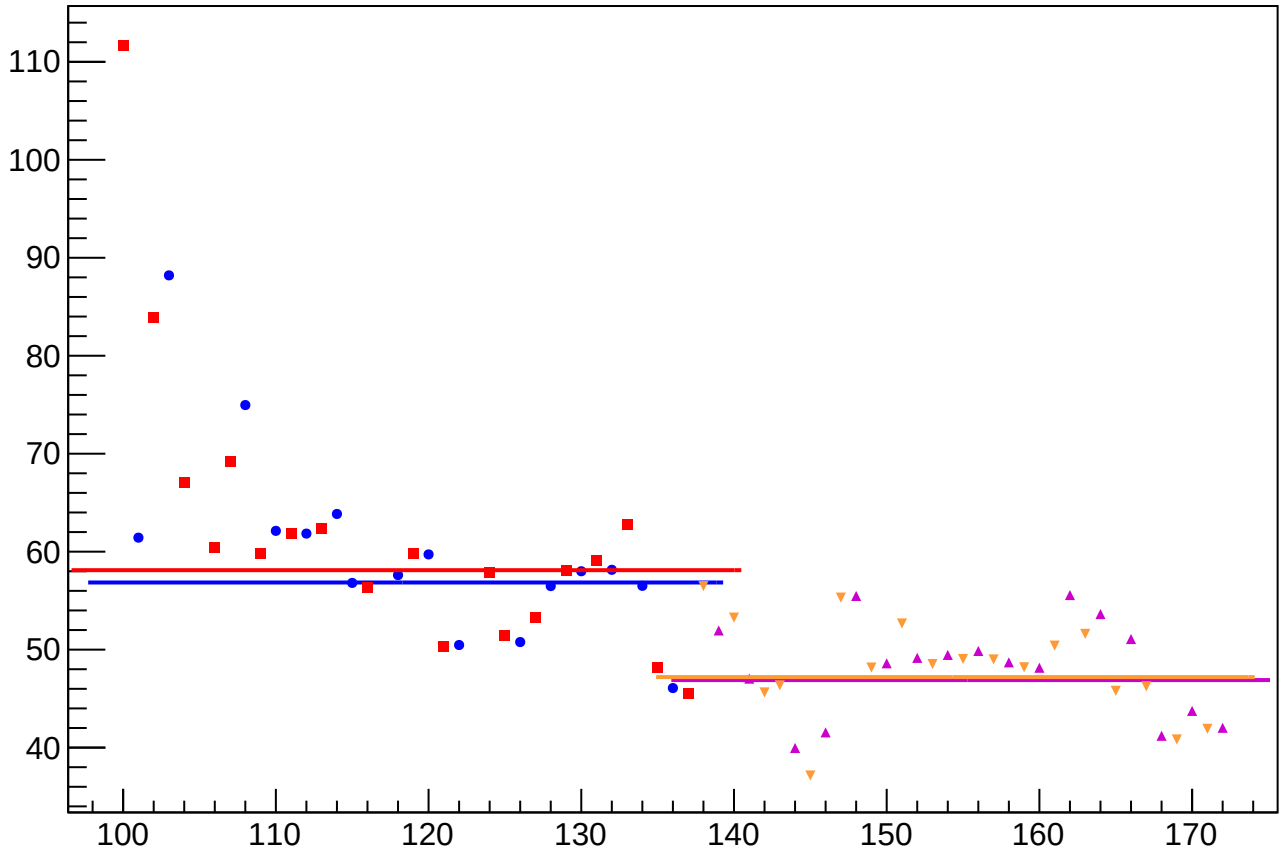
Left: -22.284+/-8.931 χ^2/NDF: 37.7/34

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 1.695+/-10.892 χ^2/NDF:51.9/32

Out: -11.842+/-10.902 χ^2/NDF:36.8/36

All: -5.068+/-7.705 χ^2/NDF: 89.5/69



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 47.195+/-0.009 χ^2/NDF:328076.0/17

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: 47.044+/-0.006 χ^2/NDF: 614235.5/34

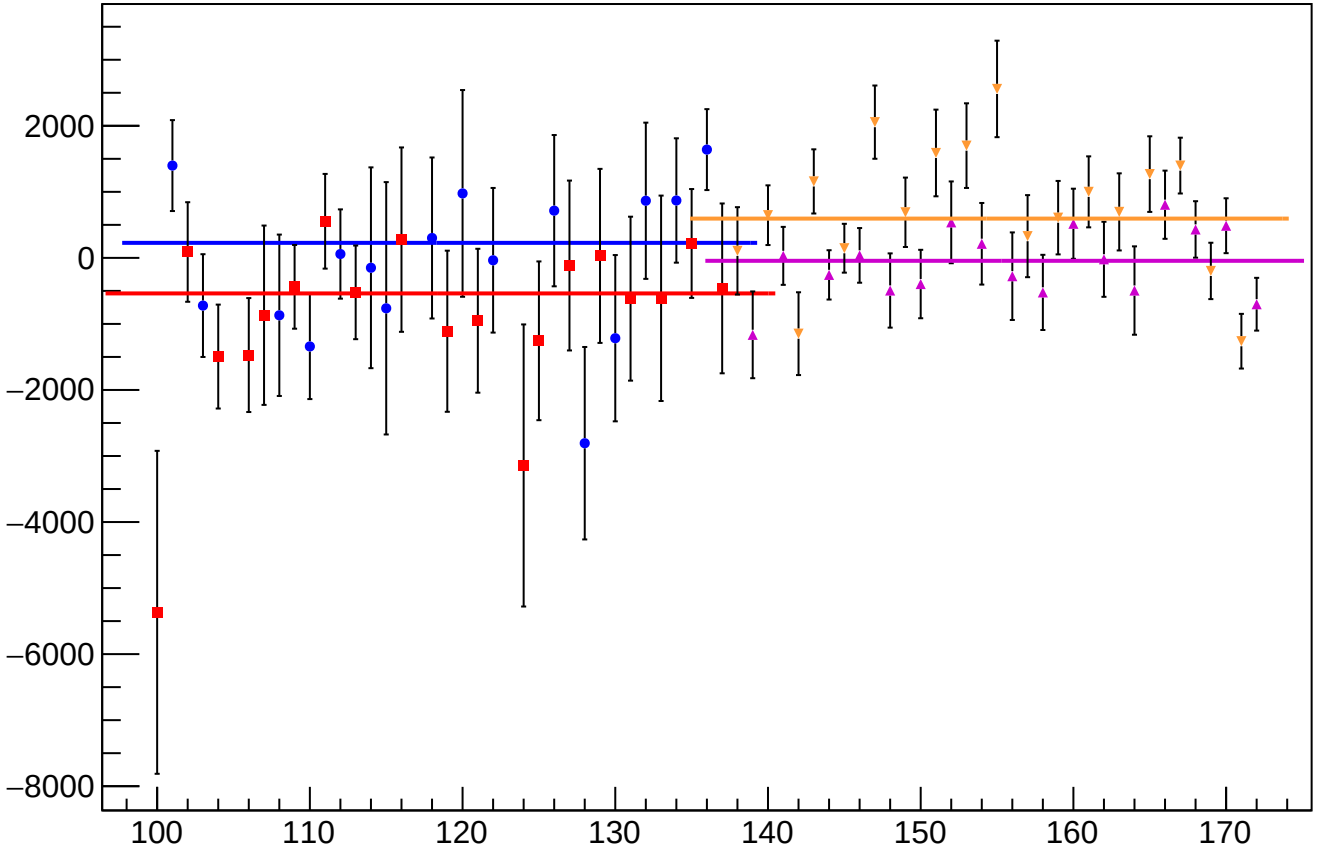
Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 49.456+/-0.008 χ^2/NDF:946812.5/32

Out: 49.968+/-0.008 χ^2/NDF:1020929.4/36

All: 49.712+/-0.005 χ^2/NDF: 1969951.1/69

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: 594.936+/-122.198 χ^2/NDF:59.9/17

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -44.372+/-121.141 χ^2/NDF:16.1/16

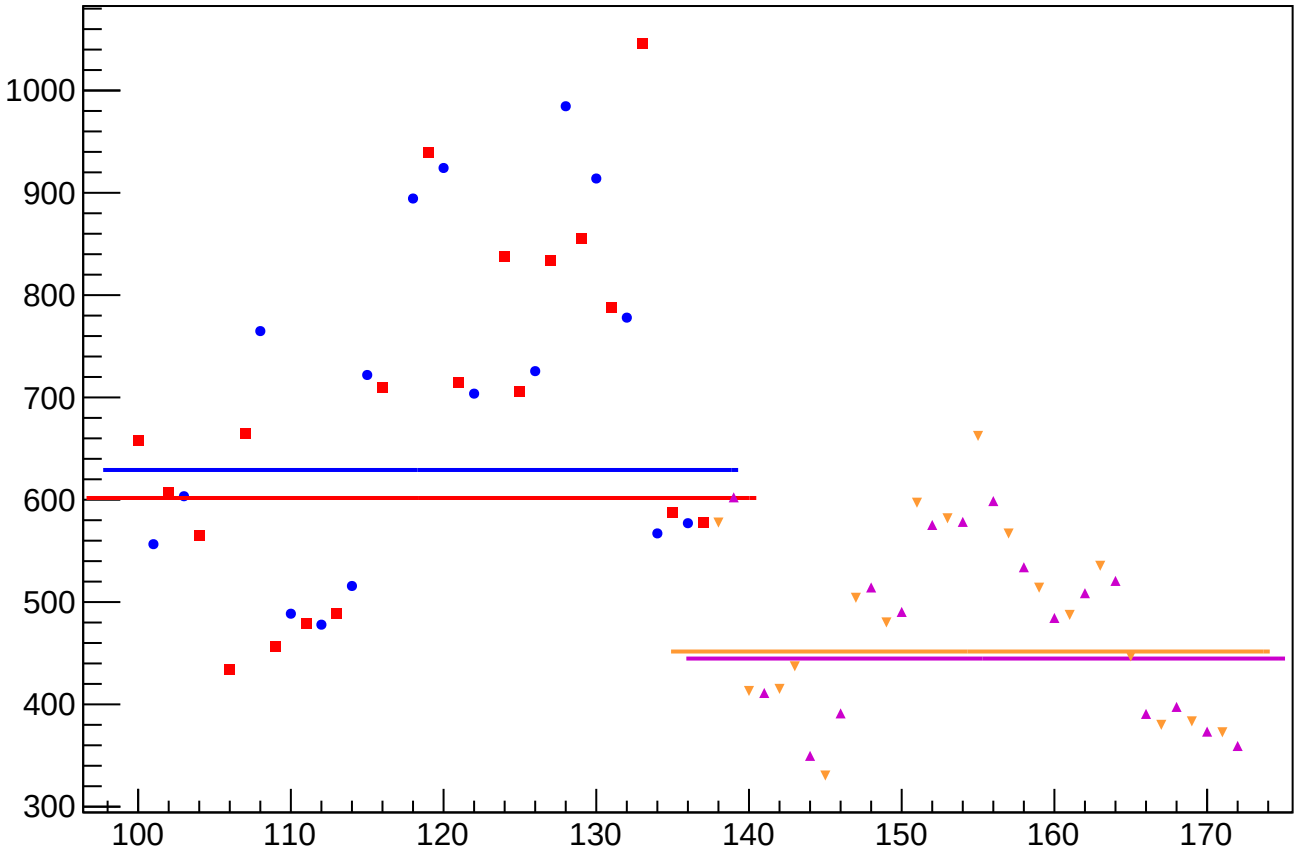
Left: 272.504+/-86.031 χ^2/NDF: 89.8/34

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: 10.393+/-108.257 χ^2/NDF:38.8/32

Out: 343.390+/-107.783 χ^2/NDF:92.3/36

All: 177.621+/-76.381 χ^2/NDF: 135.9/69



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 451.664+/-0.086 χ^2/NDF:1007294.6/17

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 444.786+/-0.086 χ^2/NDF:934504.3/16

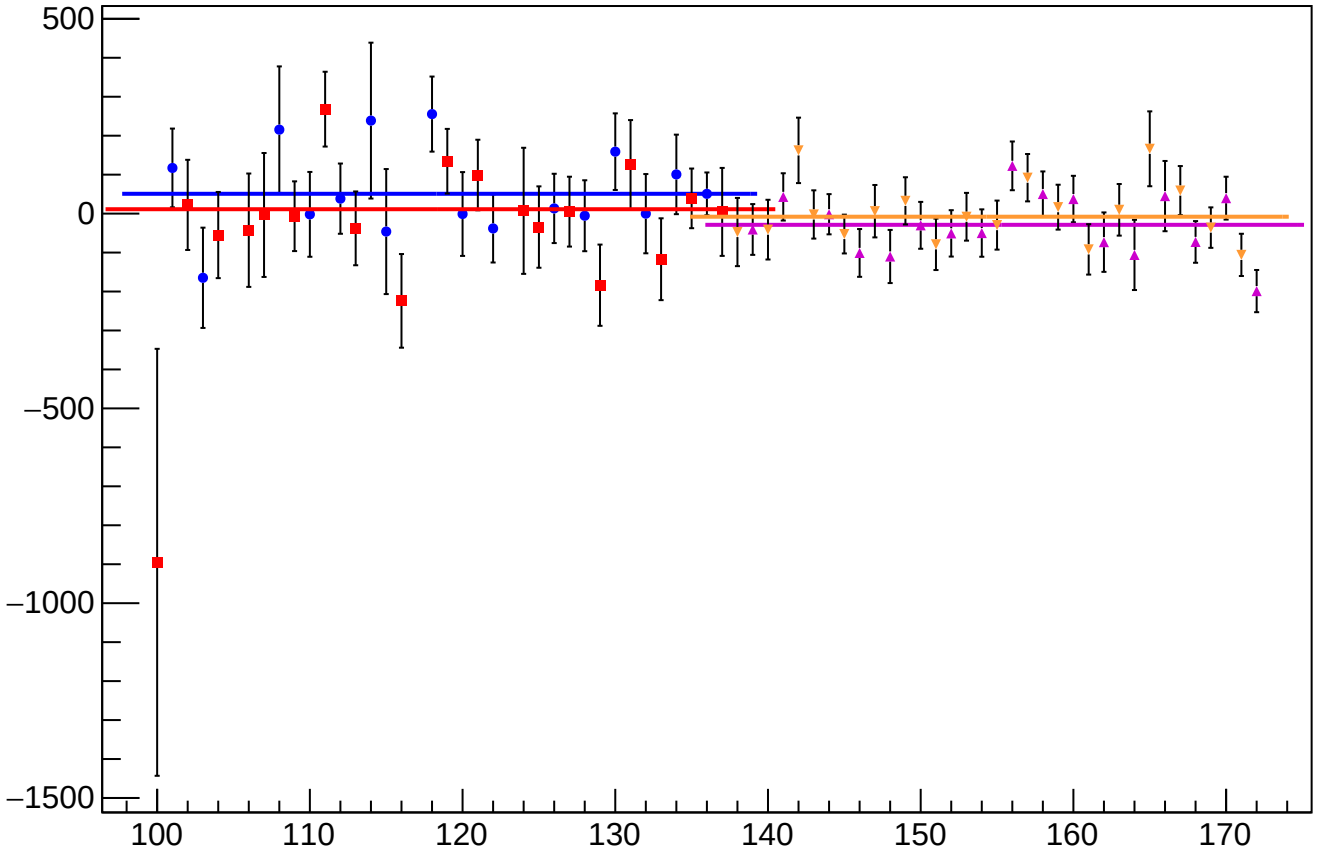
Left: 448.195+/-0.061 χ^2/NDF: 1944994.2/34

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 481.907+/-0.077 χ^2/NDF:2559671.6/32

Out: 484.978+/-0.076 χ^2/NDF:2550878.6/36

All: 483.449+/-0.054 χ^2/NDF: 5111358.2/69



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -7.976+/-14.977 χ^2/NDF:19.7/17

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -28.793+/-14.964 χ^2/NDF:27.5/16

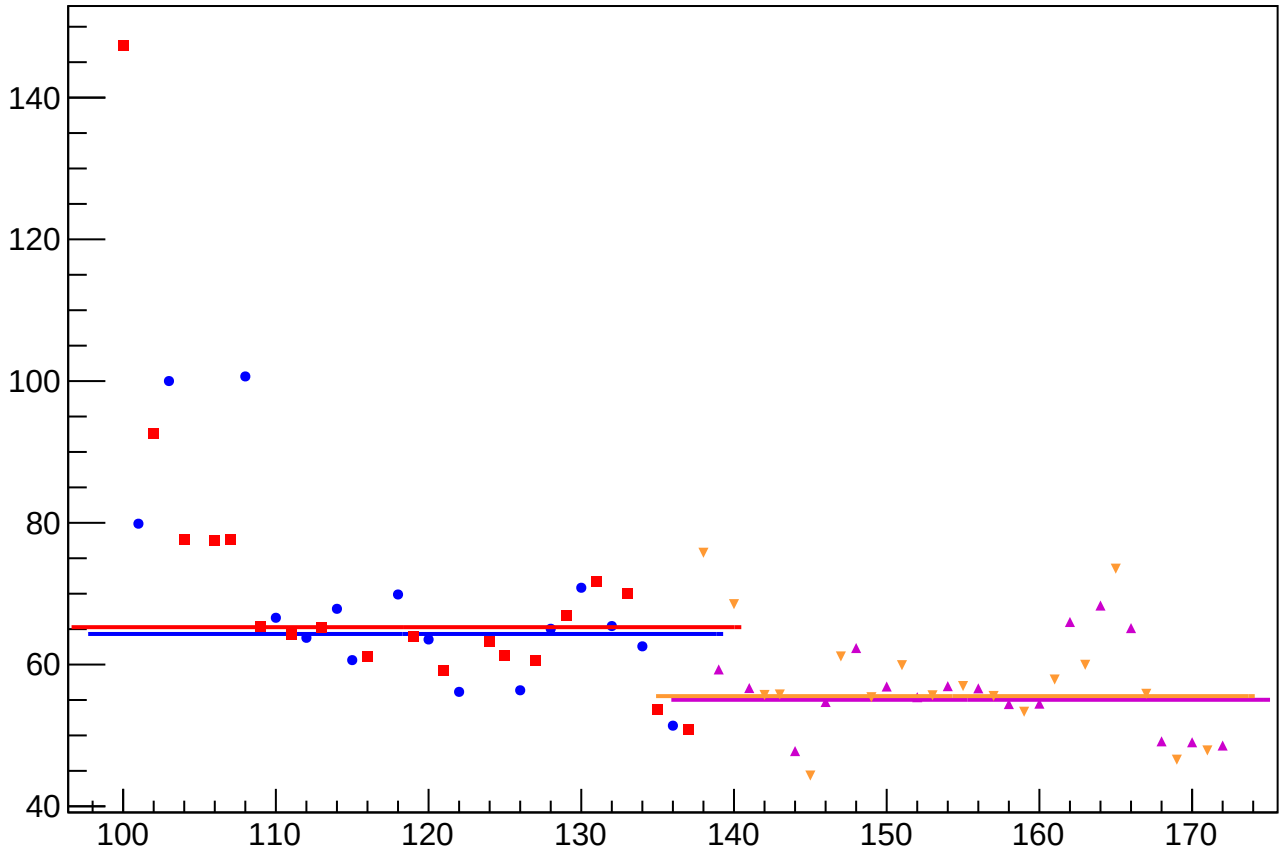
Left: -18.394+/-10.586 χ^2/NDF: 48.2/34

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: -7.142+/-12.769 χ^2/NDF:49.0/32

Out: -2.688+/-12.753 χ^2/NDF:44.2/36

All: -4.912+/-9.024 χ^2/NDF: 93.3/69



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 55.547+/-0.011 χ^2/NDF:473111.6/17

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 55.029+/-0.011 χ^2/NDF:264534.5/16

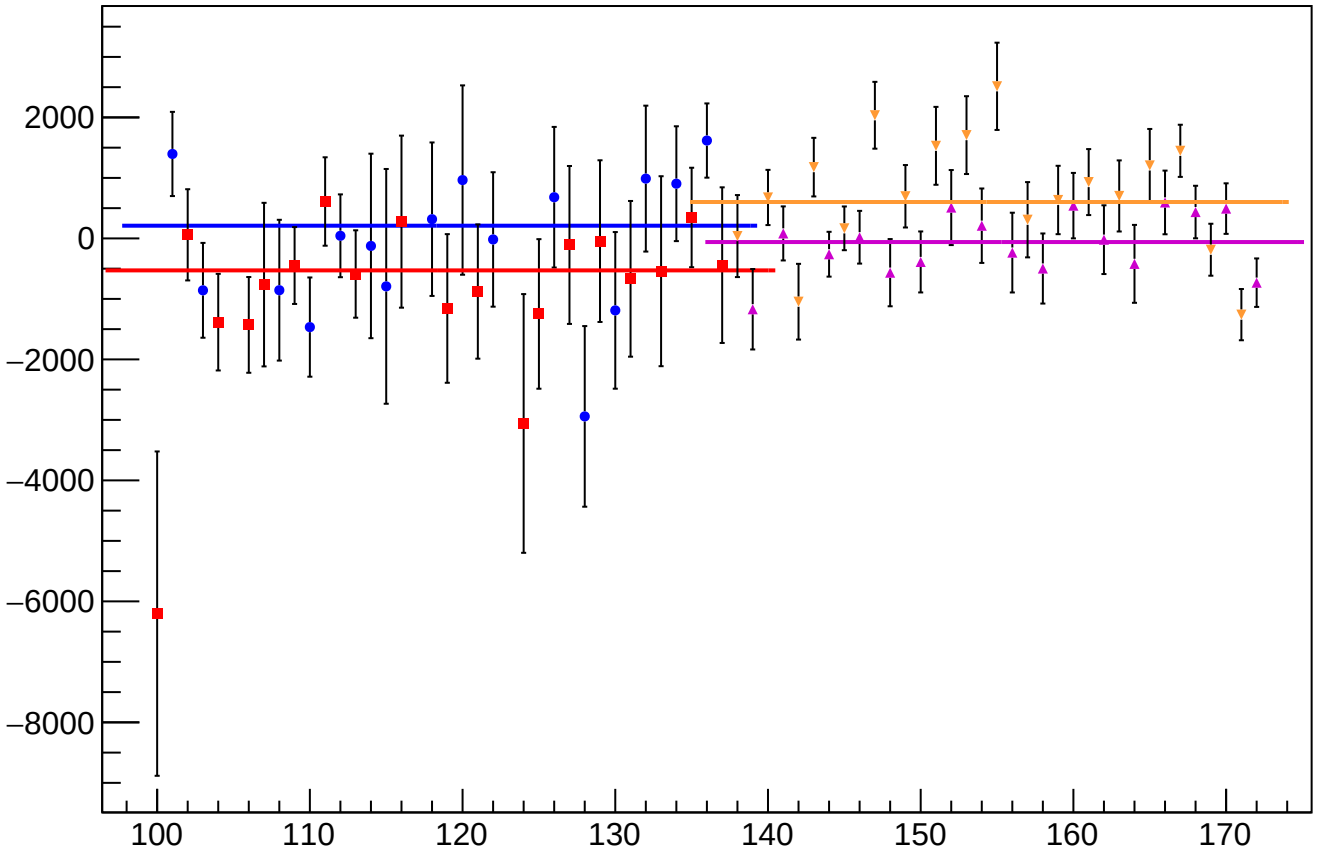
Left: 55.288+/-0.007 χ^2/NDF: 738844.0/34

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 57.554+/-0.009 χ^2/NDF:938923.4/32

Out: 58.222+/-0.009 χ^2/NDF:1024309.9/36

All: 57.888+/-0.006 χ^2/NDF: 1965975.8/69



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 601.839+/-122.784 χ^2/NDF:57.5/17

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: 268.428+/-86.502 χ^2/NDF: 87.3/34

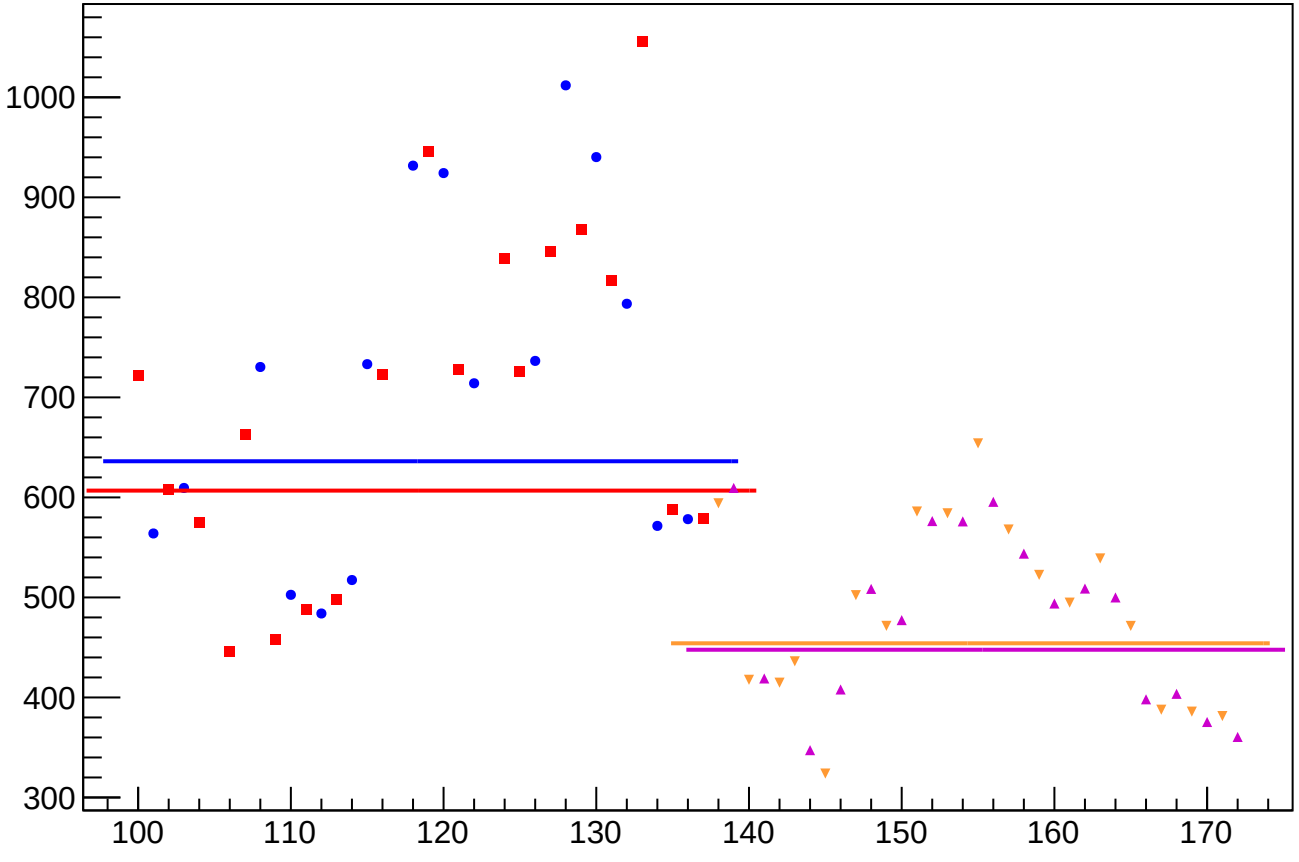
Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -6.101+/-109.020 χ^2/NDF:38.5/32

Out: 350.564+/-108.282 χ^2/NDF:90.2/36

All: 173.442+/-76.827 χ^2/NDF: 134.1/69

asym_sam_15_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 454.138+/-0.087 χ^2/NDF:1012477.2/17

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 447.695+/-0.086 χ^2/NDF:893475.5/16

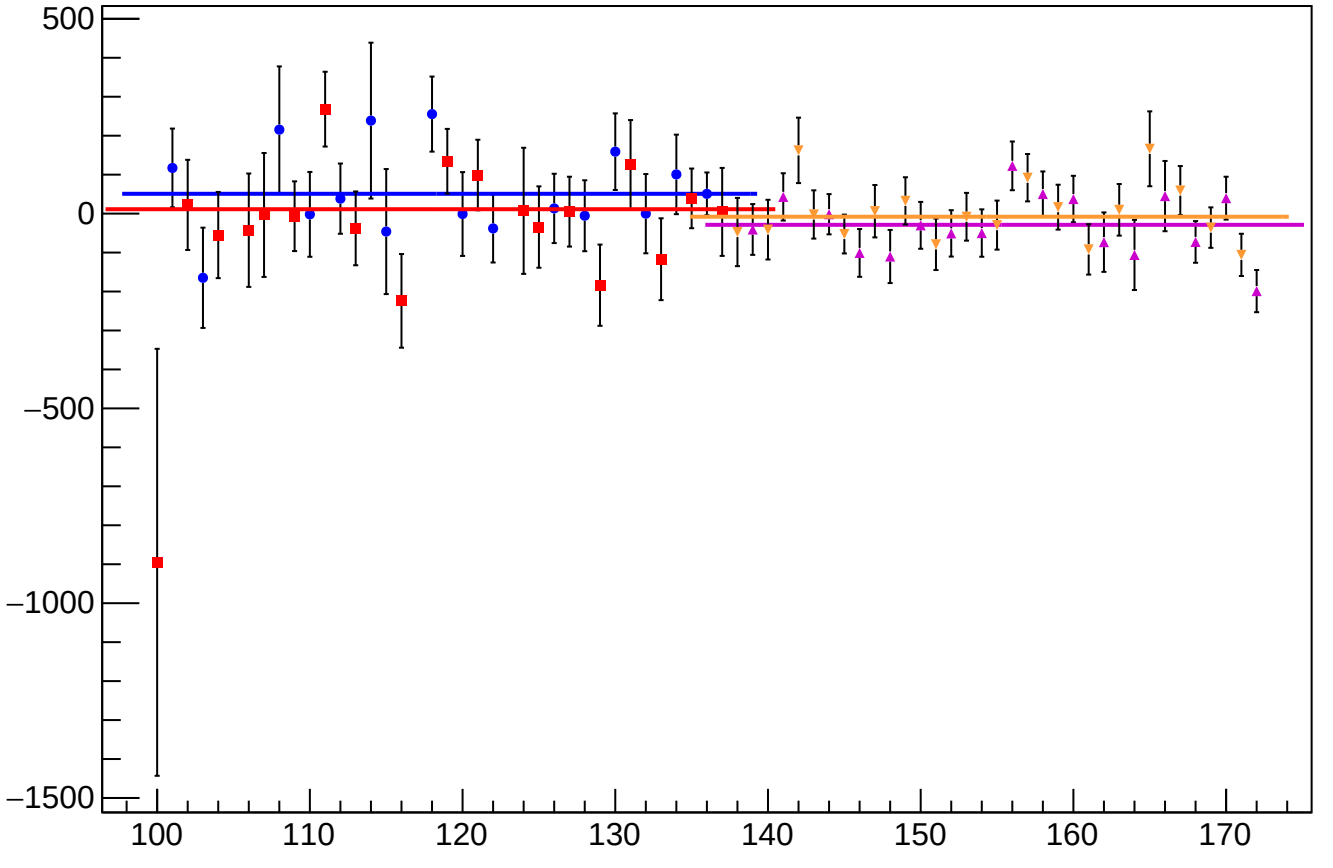
Left: 450.893+/-0.061 χ^2/NDF: 1908726.1/34

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 485.378+/-0.077 χ^2/NDF:2554733.6/32

Out: 488.070+/-0.077 χ^2/NDF:2593579.1/36

All: 486.733+/-0.054 χ^2/NDF: 5148926.5/69



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -7.977+/-14.977 χ^2/NDF:19.7/17

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -28.793+/-14.964 χ^2/NDF:27.5/16

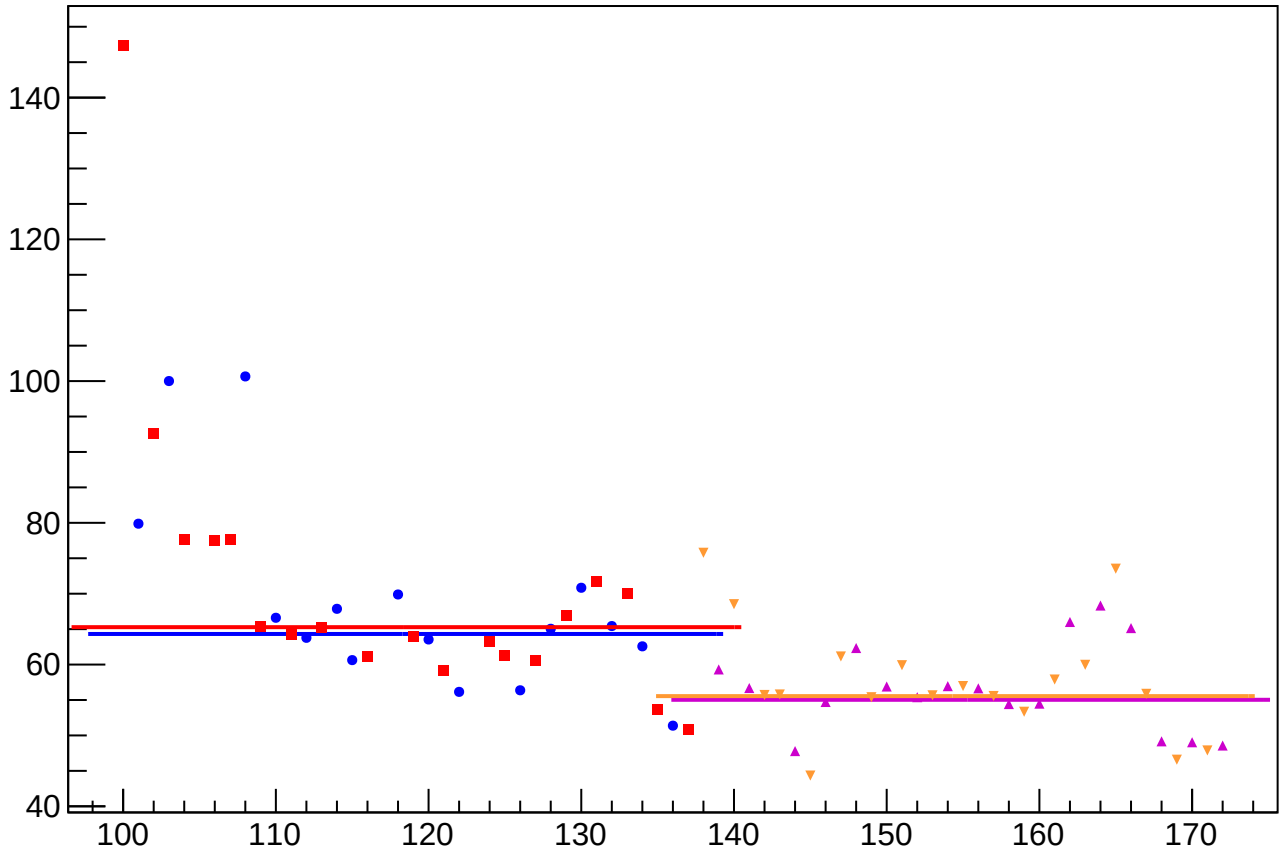
Left: -18.394+/-10.586 χ^2/NDF: 48.2/34

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: -7.142+/-12.769 χ^2/NDF:49.0/32

Out: -2.689+/-12.753 χ^2/NDF:44.2/36

All: -4.913+/-9.024 χ^2/NDF: 93.3/69



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 55.547+/-0.011 χ^2/NDF:473098.0/17

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: 55.288+/-0.007 χ^2/NDF: 738829.8/34

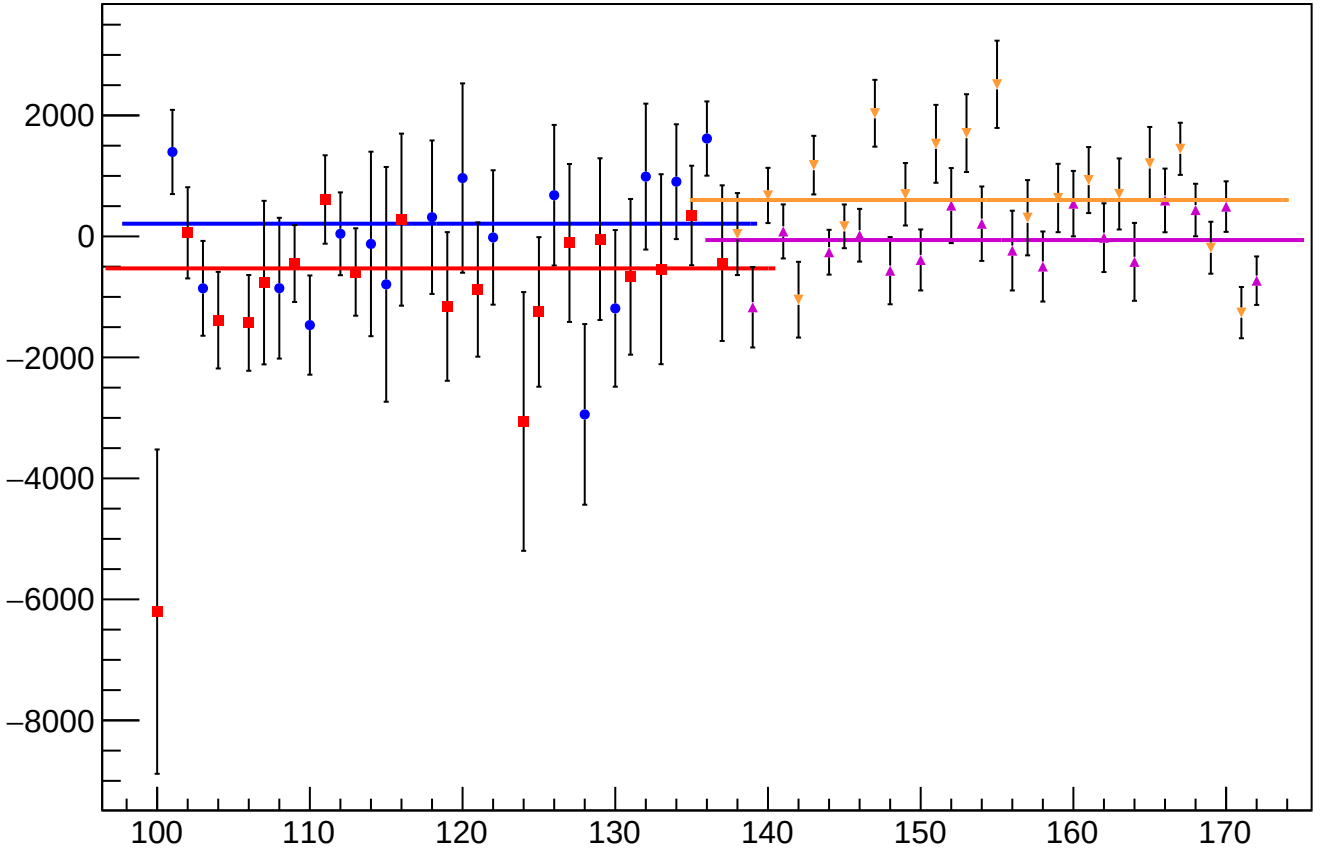
Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 57.554+/-0.009 χ^2/NDF:938913.7/32

Out: 58.222+/-0.009 χ^2/NDF:1024286.1/36

All: 57.888+/-0.006 χ^2/NDF: 1965942.6/69

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: 601.838+/-122.784 χ^2/NDF:57.5/17

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: 268.428+/-86.502 χ^2/NDF: 87.3/34

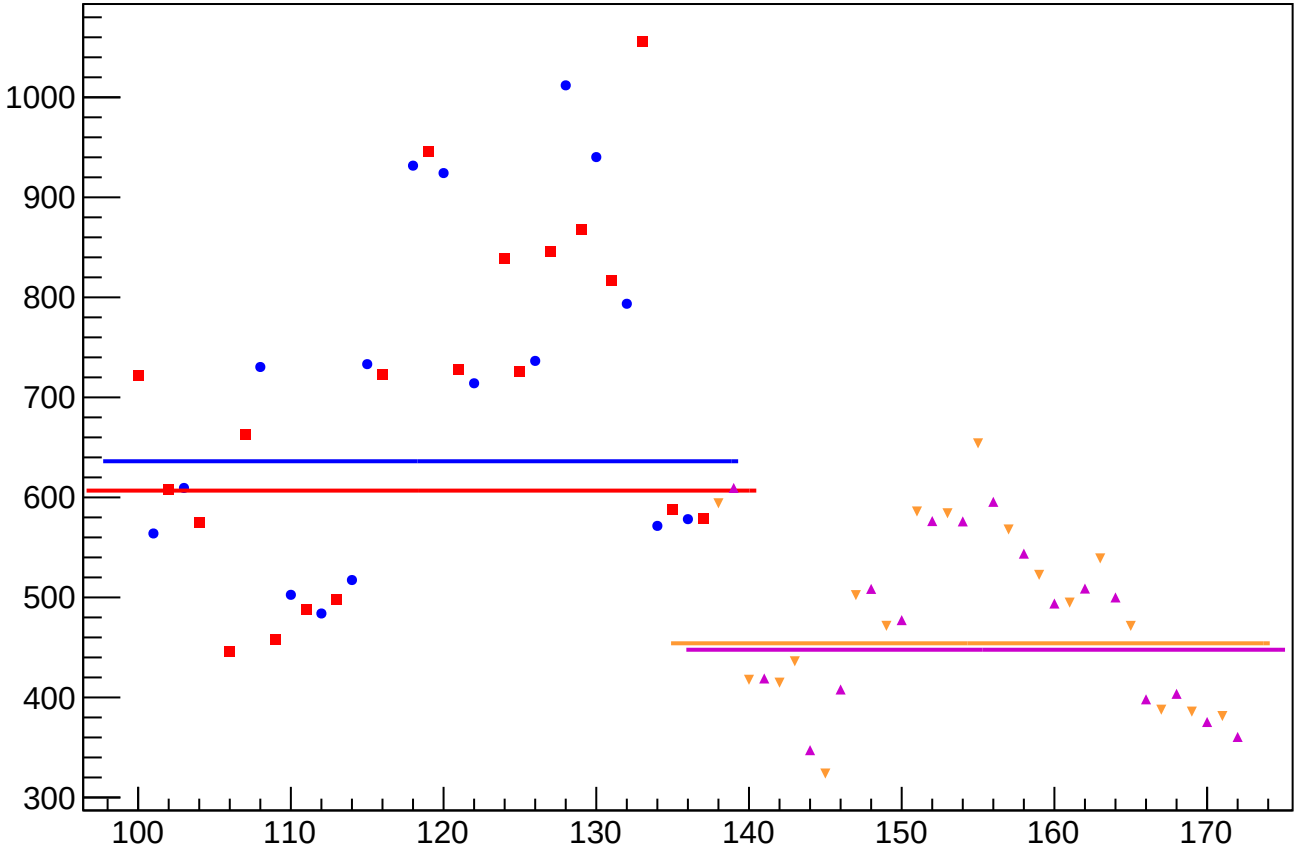
Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -6.101+/-109.020 χ^2/NDF:38.5/32

Out: 350.564+/-108.282 χ^2/NDF:90.2/36

All: 173.442+/-76.826 χ^2/NDF: 134.1/69

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: 454.137+/-0.087 χ^2/NDF:1012486.1/17

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: 450.892+/-0.061 χ^2/NDF: 1908740.1/34

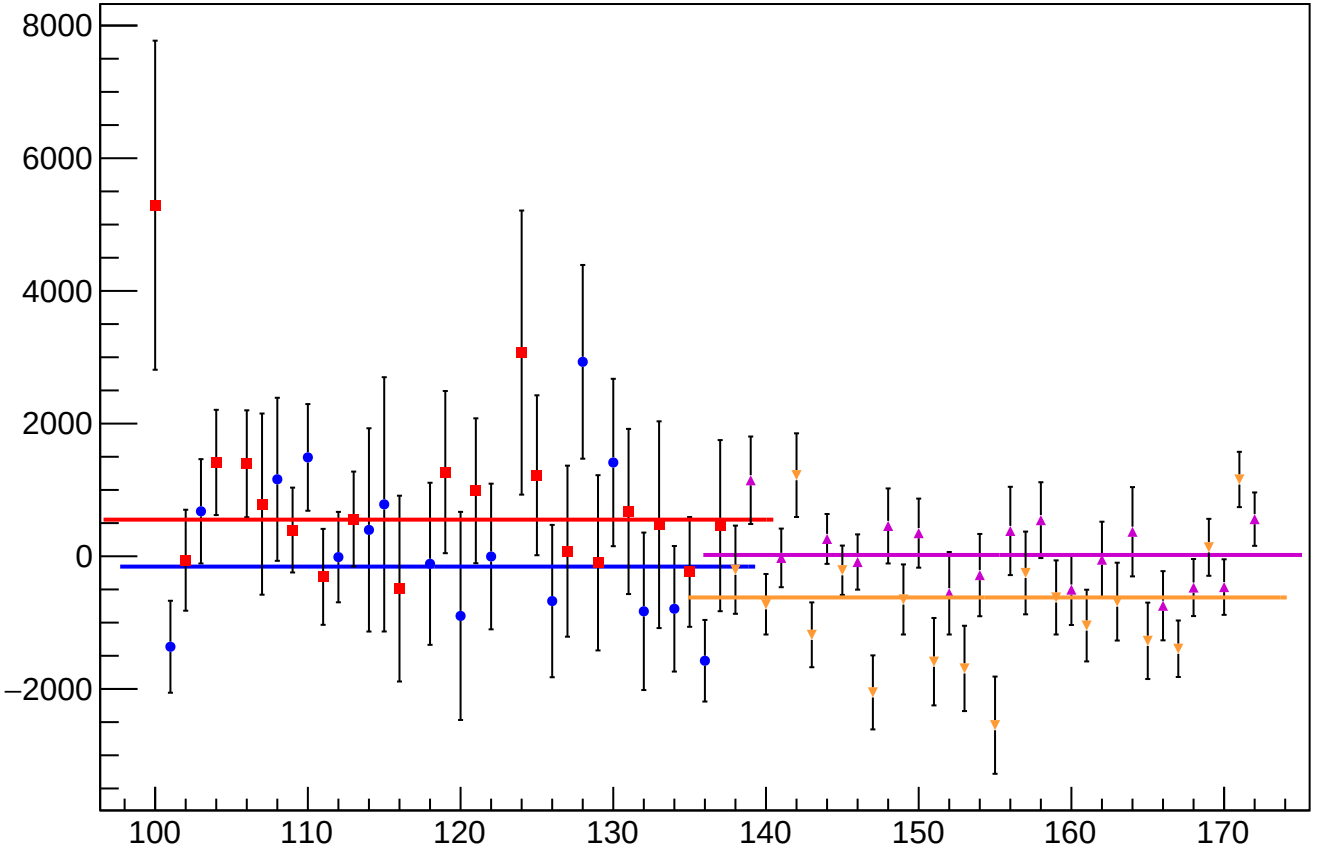
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 485.377+/-0.077 χ^2/NDF:2554746.7/32

Out: 488.069+/-0.077 χ^2/NDF:2593594.0/36

All: 486.733+/-0.054 χ^2/NDF: 5148954.5/69

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -620.680+/-122.913 χ^2/NDF:56.8/17

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: -297.659+/-86.538 χ^2/NDF: 85.0/34

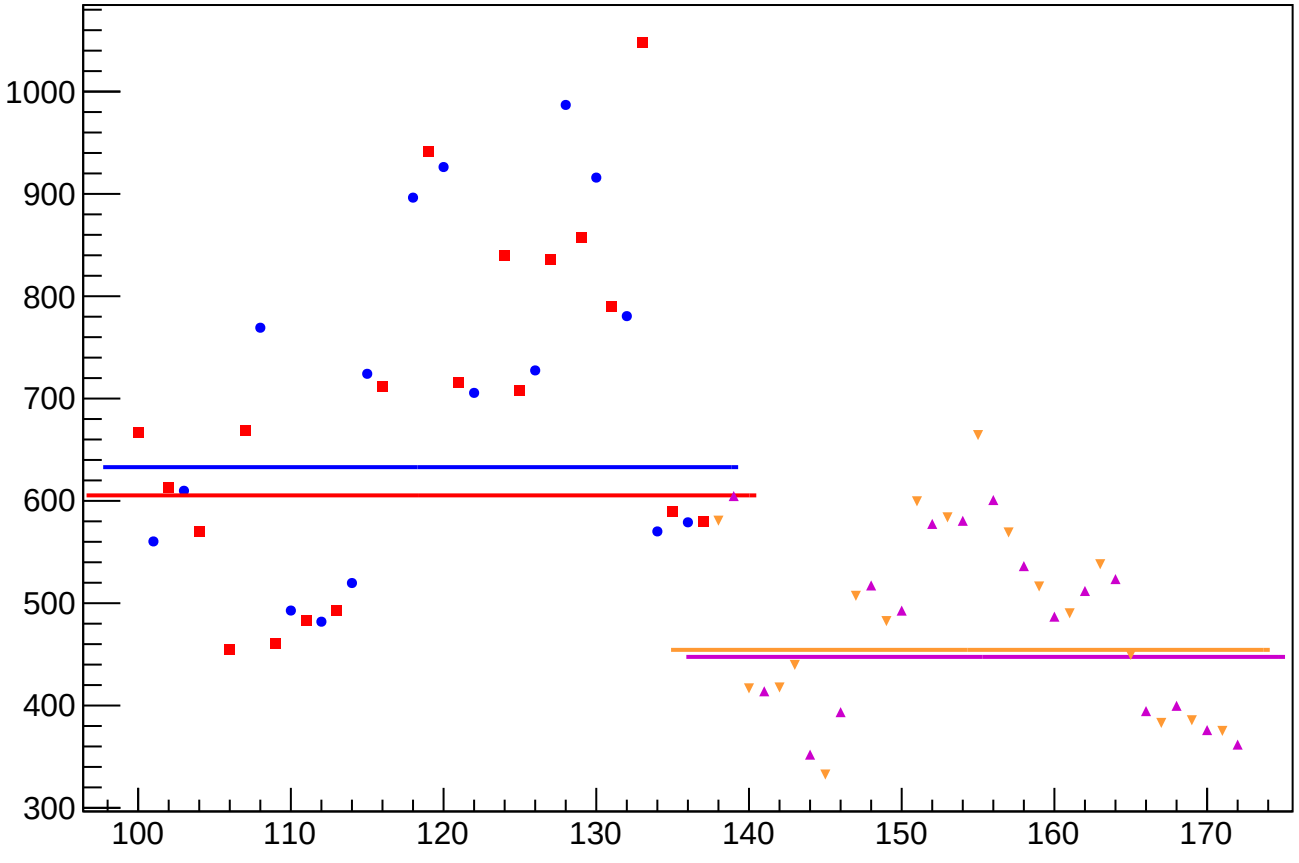
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: -15.503+/-108.895 χ^2/NDF:37.4/32

Out: -358.170+/-108.287 χ^2/NDF:89.3/36

All: -187.795+/-76.785 χ^2/NDF: 131.7/69

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 454.409+/-0.087 χ^2/NDF:996292.9/17

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: 450.941+/-0.061 χ^2/NDF: 1923050.7/34

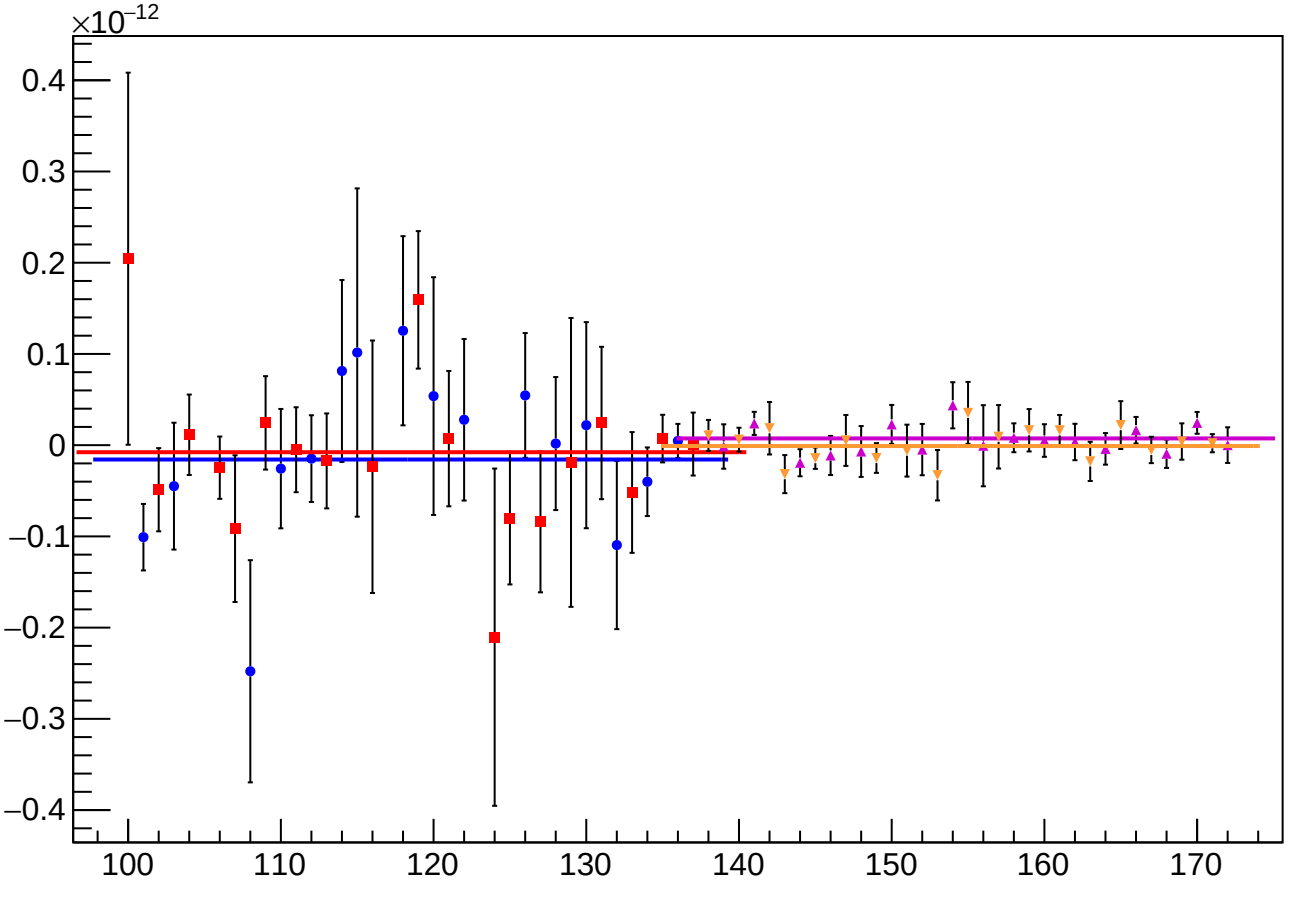
Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 484.894+/-0.077 χ^2/NDF:2537842.8/32

Out: 488.198+/-0.077 χ^2/NDF:2525571.7/36

All: 486.555+/-0.054 χ^2/NDF: 5064340.0/69

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:11.2/17

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: 26.2/34

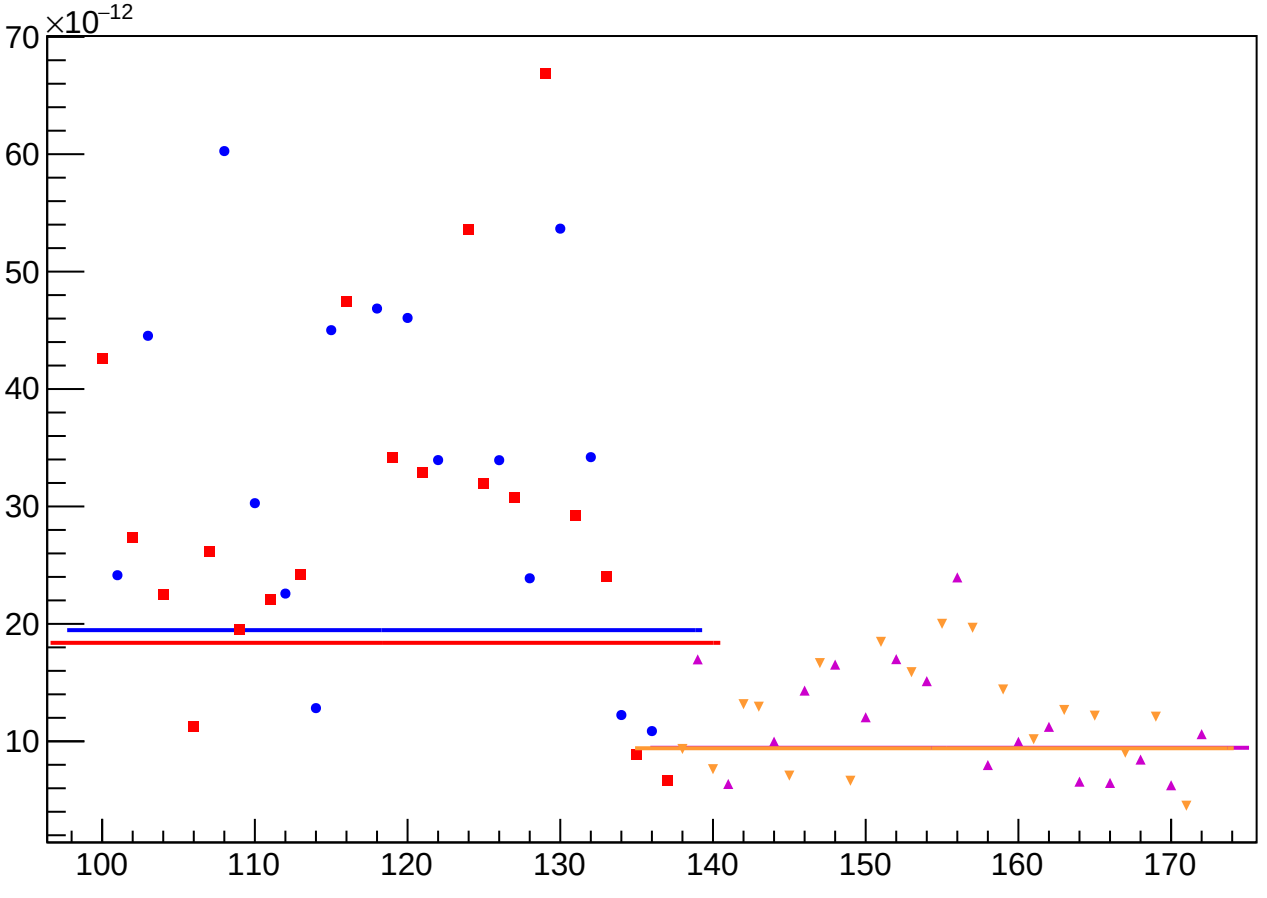
Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:33.0/32

Out: -0.000+/-0.000 χ^2/NDF:24.4/36

All: 0.000+/-0.000 χ^2/NDF: 58.8/69

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:1767339.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1365426.6/16

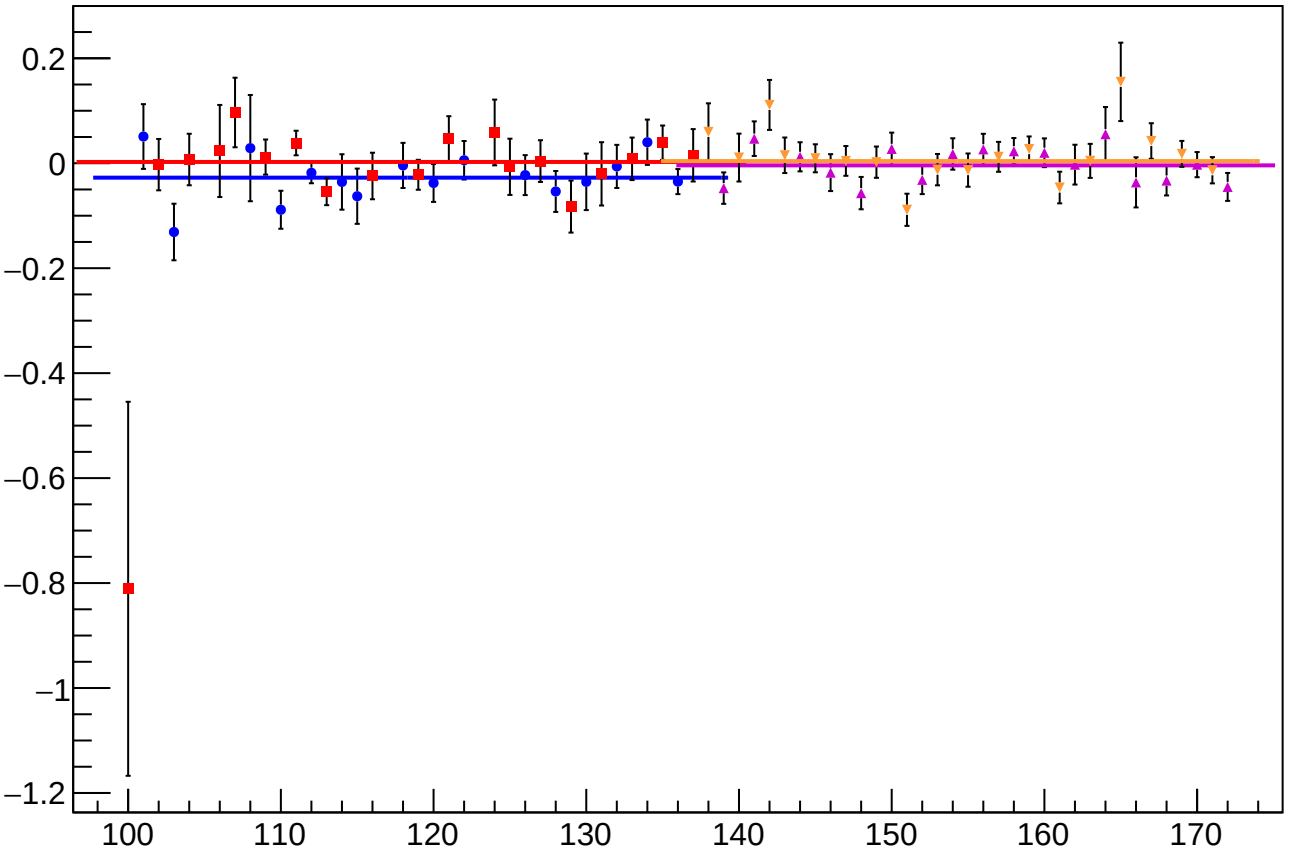
Left: 0.000+/-0.000 χ^2/NDF: 3132857.7/34

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:4184344.1/36

All: 0.000+/-0.000 χ^2/NDF: 8414743.0/69



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:25.9/17

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: 45.3/34

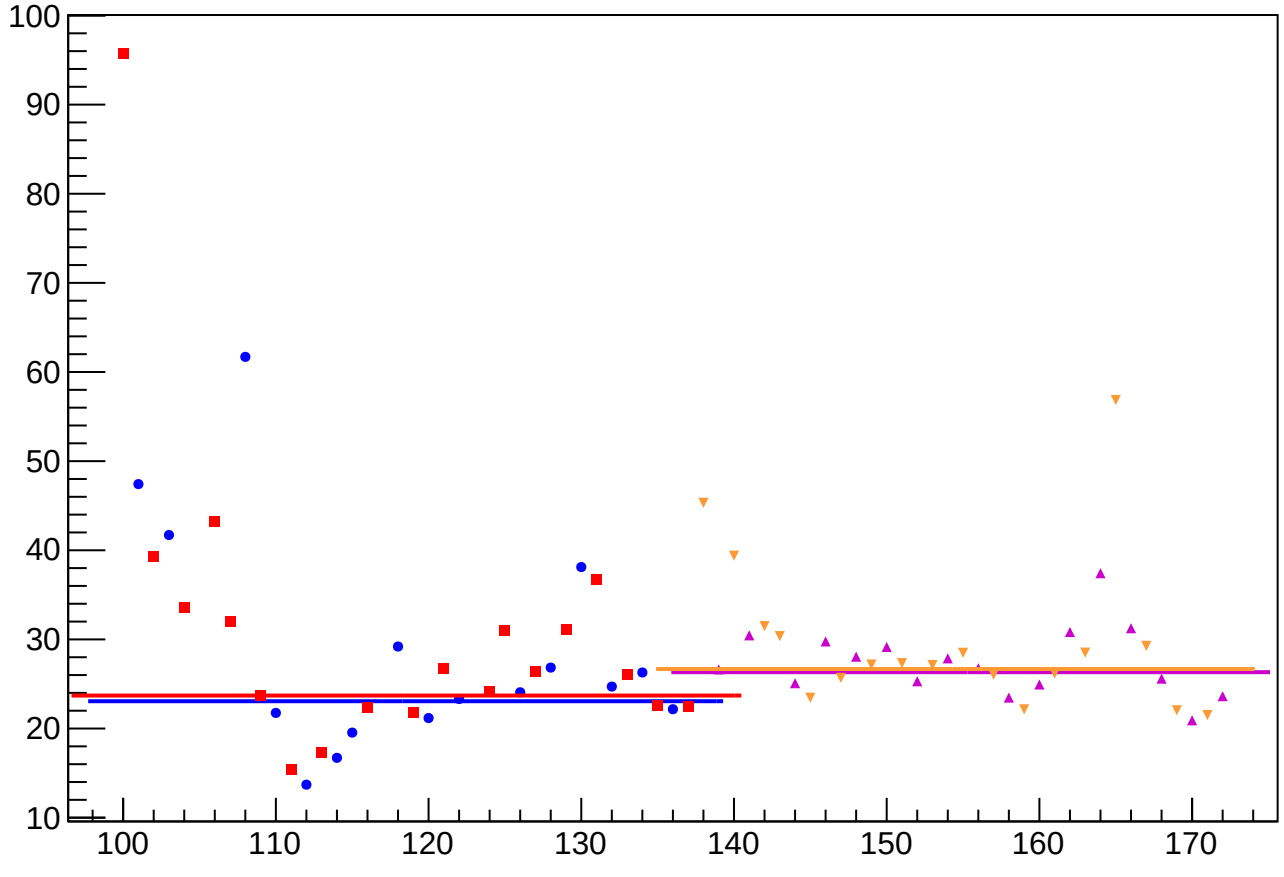
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:36.2/32

Out: 0.003+/-0.006 χ^2/NDF:48.1/36

All: -0.005+/-0.004 χ^2/NDF: 88.3/69

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.678+/-0.005 χ^2/NDF:1046084.0/17

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: 26.499+/-0.004 χ^2/NDF: 1430823.7/34

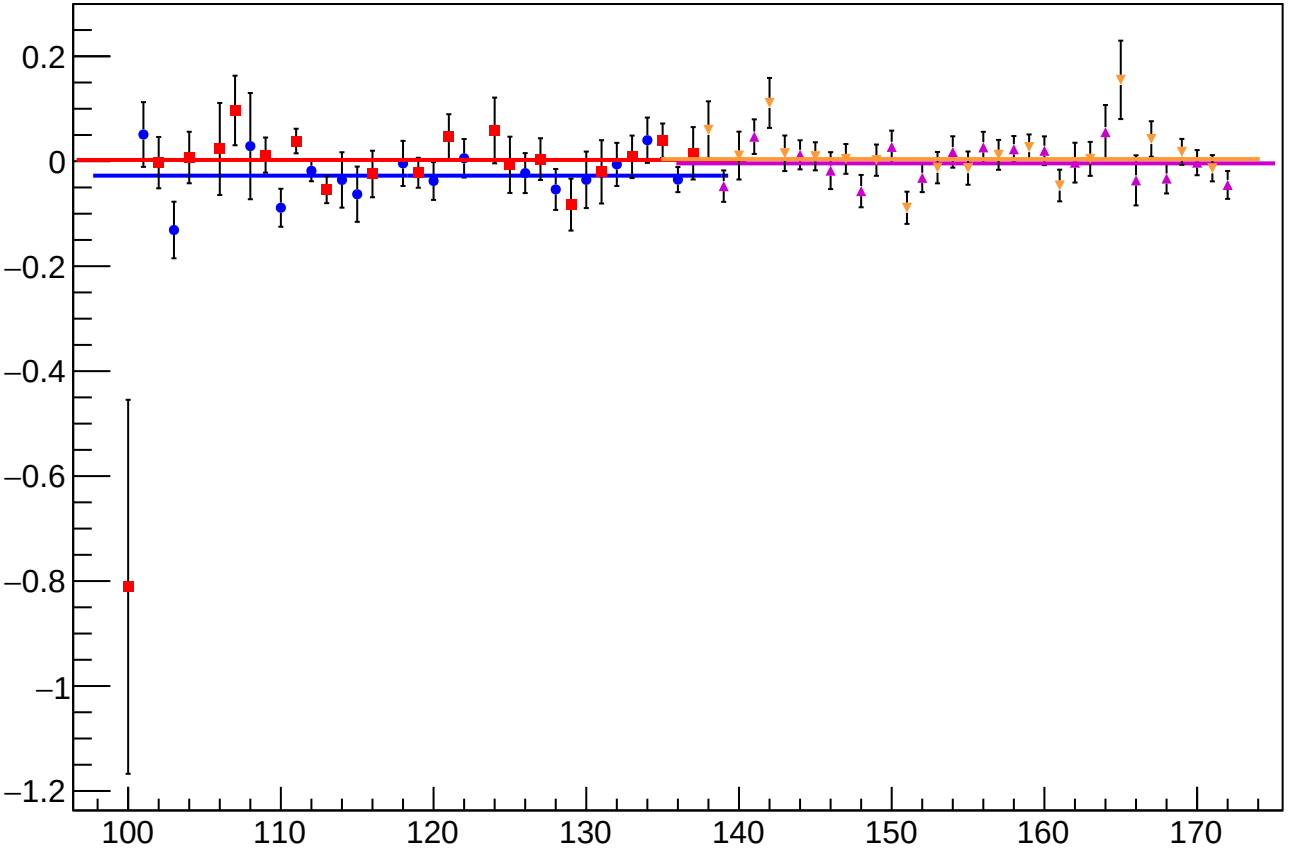
Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.092+/-0.004 χ^2/NDF:2096506.7/32

Out: 25.528+/-0.004 χ^2/NDF:2260398.7/36

All: 25.310+/-0.003 χ^2/NDF: 4362579.3/69

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:25.9/17

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.004+/-0.007 χ^2/NDF:18.7/16

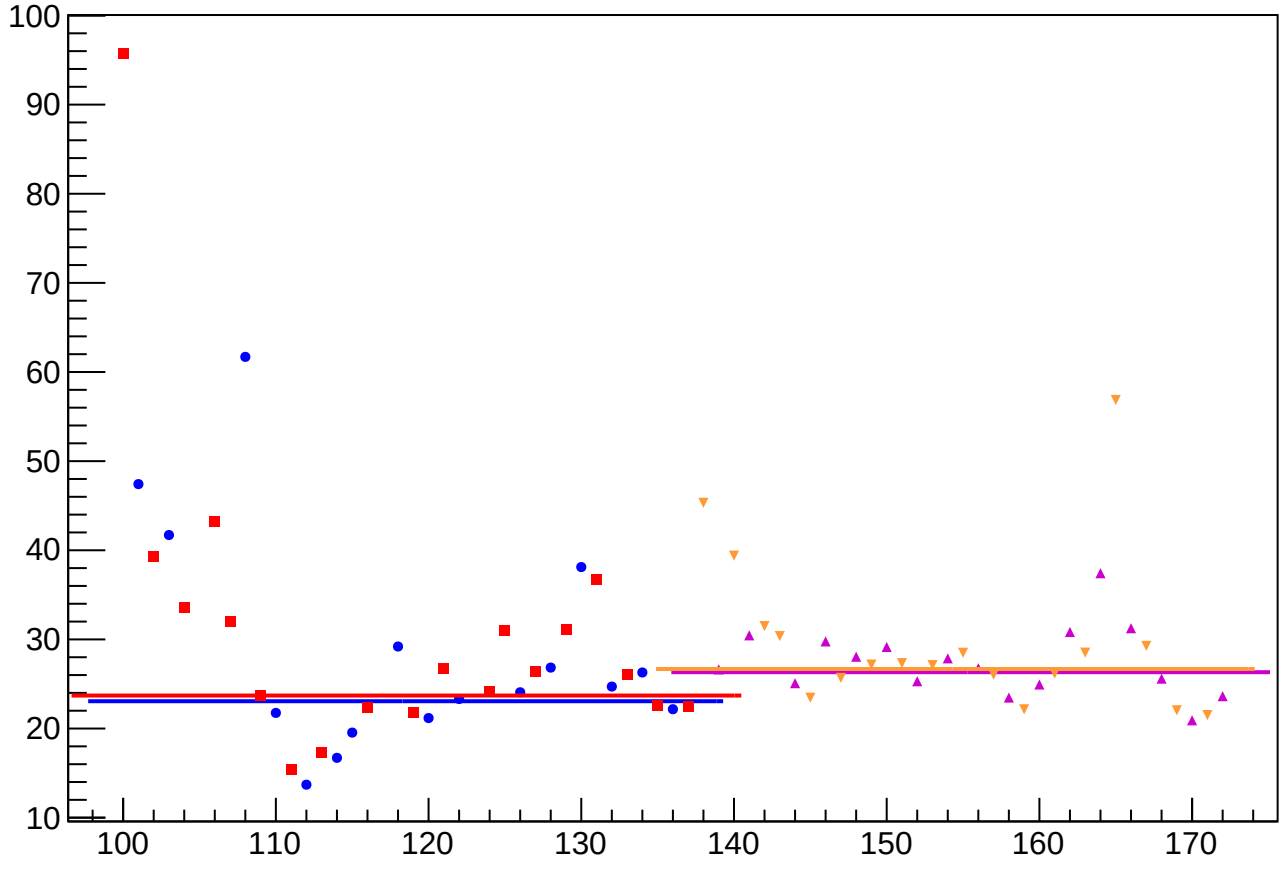
Left: -0.000+/-0.005 χ^2/NDF: 45.3/34

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:48.1/36

All: -0.005+/-0.004 χ^2/NDF: 88.3/69



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.678+/-0.005 χ^2/NDF:1046084.0/17

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.323+/-0.005 χ^2/NDF:382404.1/16

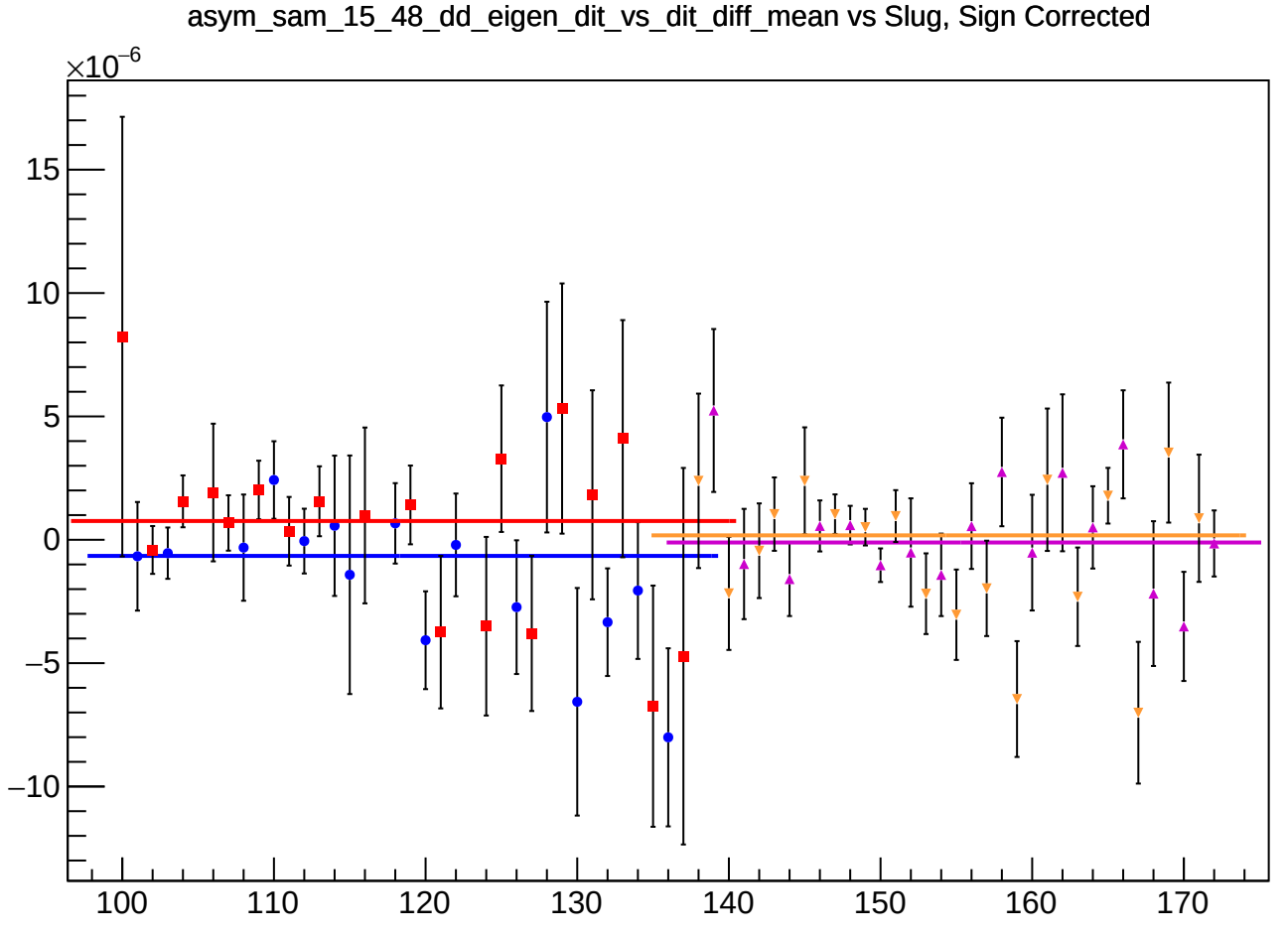
Left: 26.499+/-0.004 χ^2/NDF: 1430823.7/34

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.092+/-0.004 χ^2/NDF:2096506.7/32

Out: 25.528+/-0.004 χ^2/NDF:2260398.7/36

All: 25.310+/-0.003 χ^2/NDF: 4362579.3/69



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

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

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:16.4/16

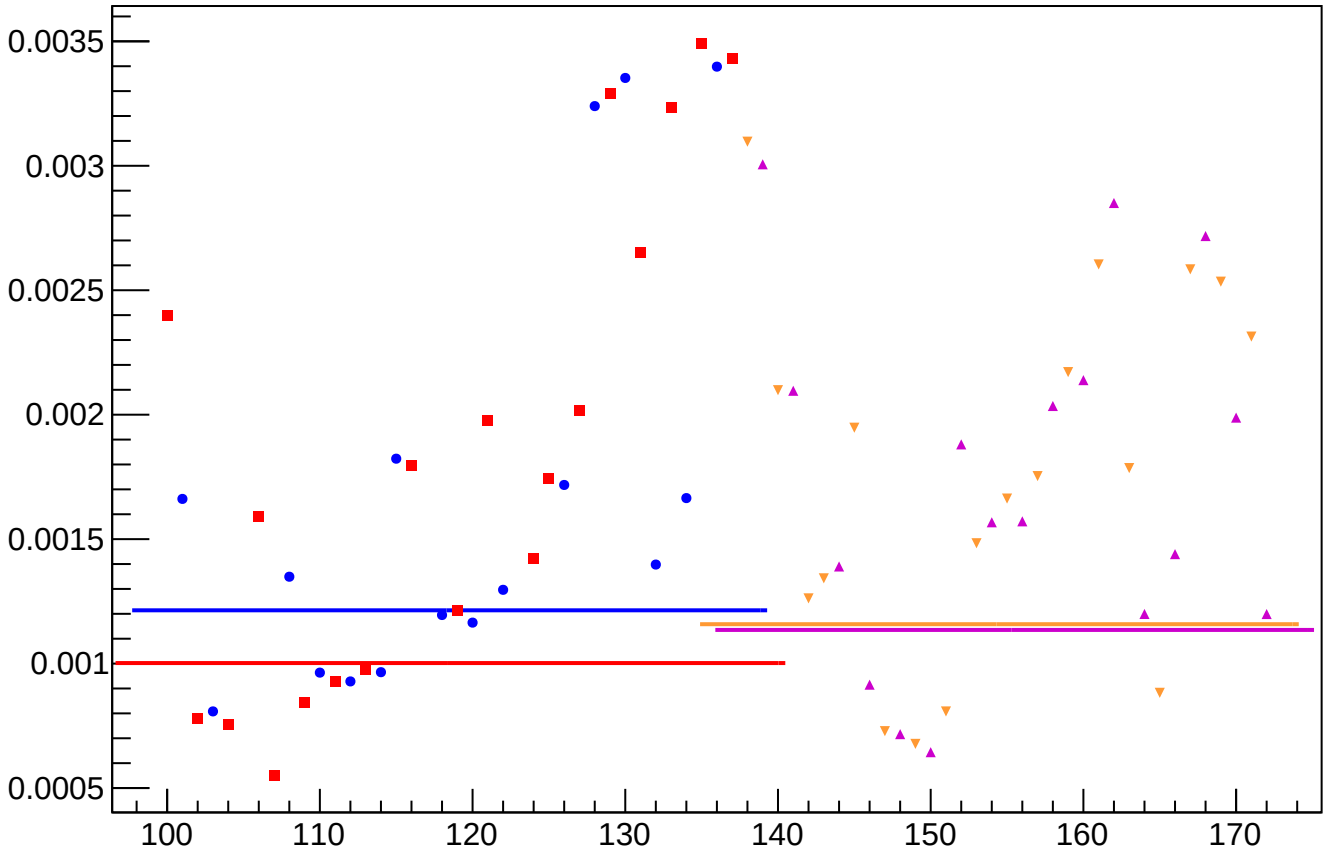
Left: 0.000+/-0.000 χ^2/NDF: 47.9/34

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:47.5/36

All: 0.000+/-0.000 χ^2/NDF: 85.5/69



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:5853288.0/17

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: 11331143.2/34

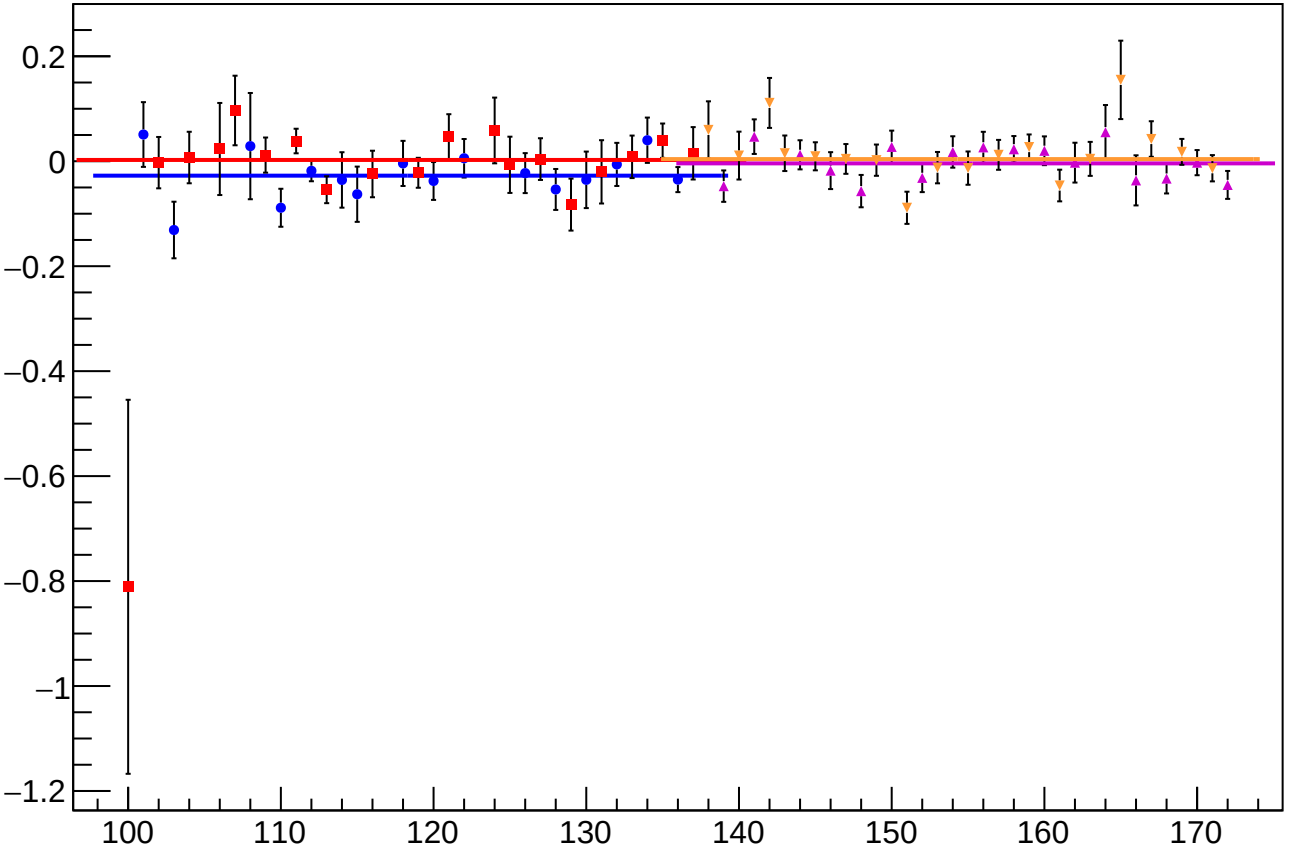
Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:7774497.2/32

Out: 0.001+/-0.000 χ^2/NDF:9293906.7/36

All: 0.001+/-0.000 χ^2/NDF: 17126577.1/69

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:25.9/17

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: 45.3/34

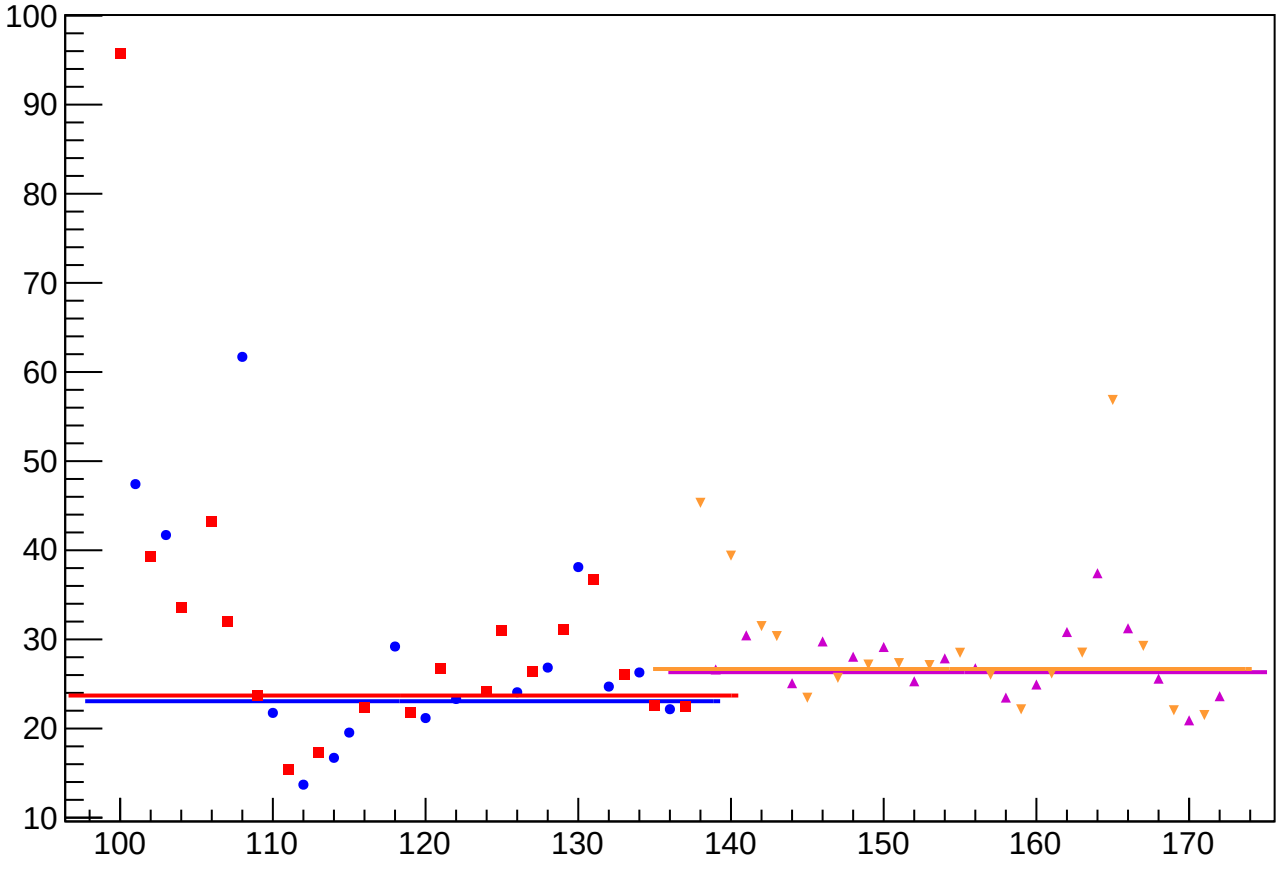
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:36.2/32

Out: 0.003+/-0.006 χ^2/NDF:48.1/36

All: -0.005+/-0.004 χ^2/NDF: 88.3/69

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.679+/-0.005 χ^2/NDF:1046021.3/17

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: 26.499+/-0.004 χ^2/NDF: 1430766.0/34

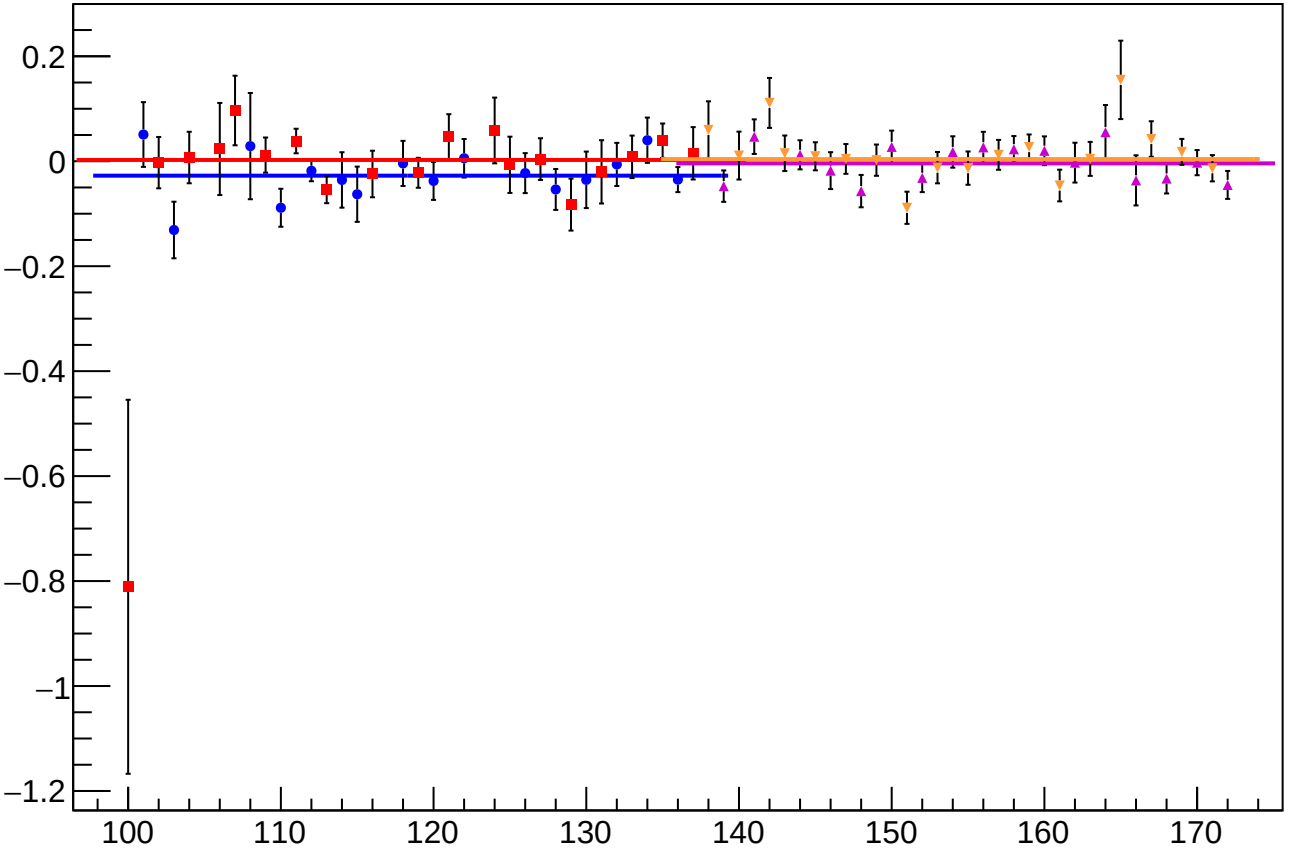
Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.092+/-0.004 χ^2/NDF:2096561.6/32

Out: 25.528+/-0.004 χ^2/NDF:2260426.1/36

All: 25.310+/-0.003 χ^2/NDF: 4362663.7/69

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:25.9/17

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: 45.3/34

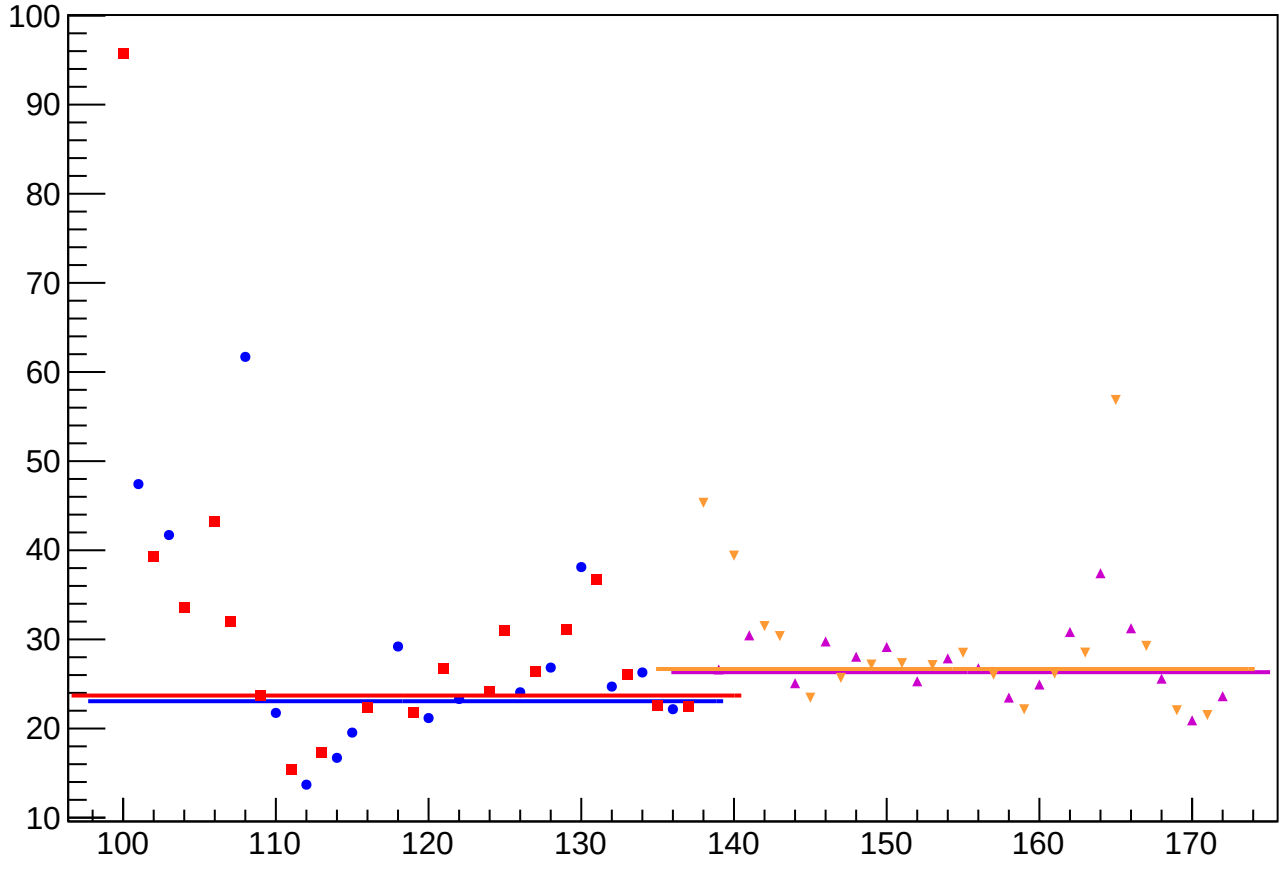
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.013+/-0.006 χ^2/NDF:36.2/32

Out: 0.003+/-0.006 χ^2/NDF:48.1/36

All: -0.005+/-0.004 χ^2/NDF: 88.3/69

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.679+/-0.005 χ^2/NDF:1046021.3/17

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.323+/-0.005 χ^2/NDF:382406.8/16

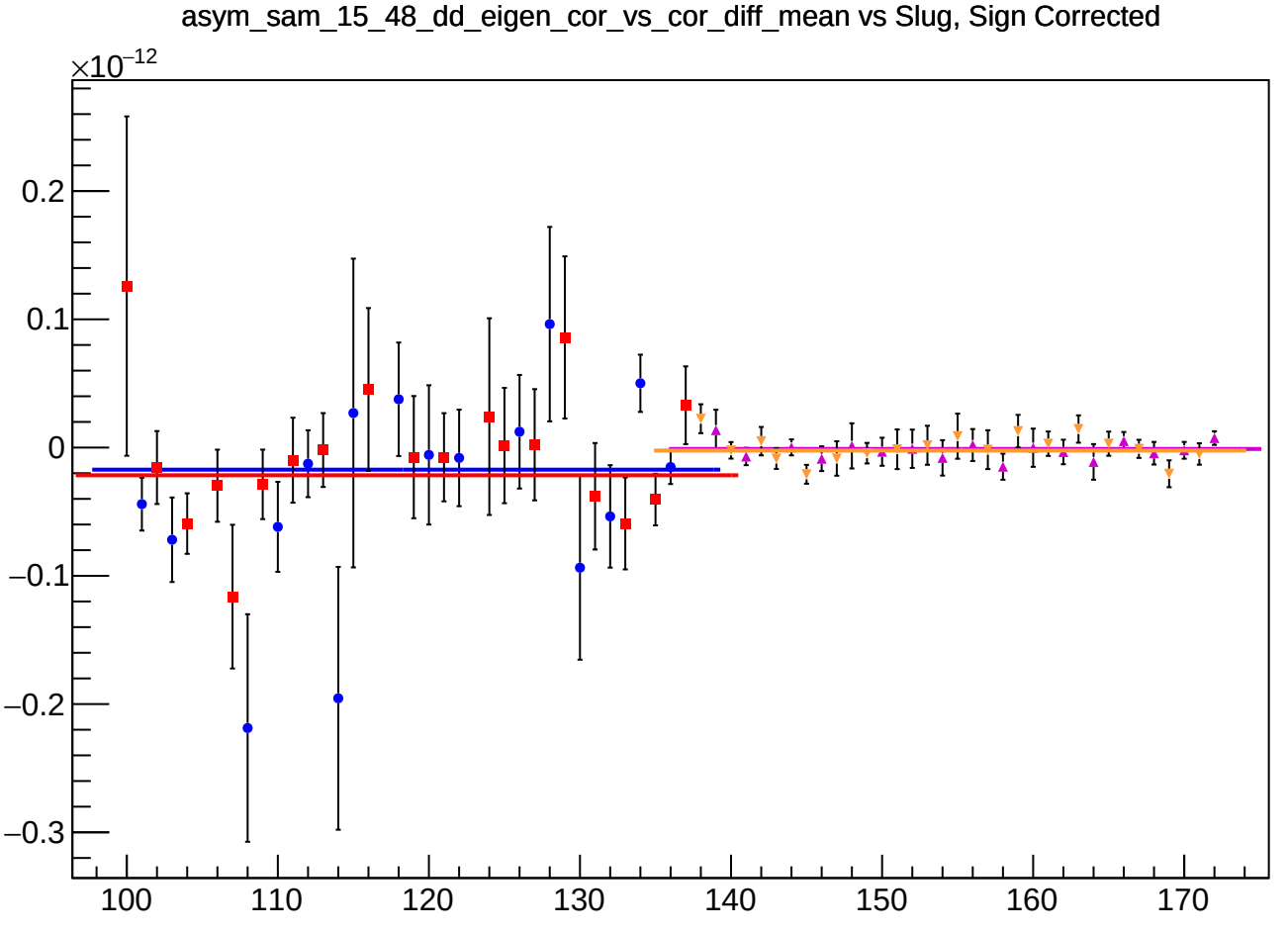
Left: 26.499+/-0.004 χ^2/NDF: 1430766.0/34

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.092+/-0.004 χ^2/NDF:2096561.6/32

Out: 25.528+/-0.004 χ^2/NDF:2260426.1/36

All: 25.310+/-0.003 χ^2/NDF: 4362663.7/69



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.6/17

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: 29.3/34

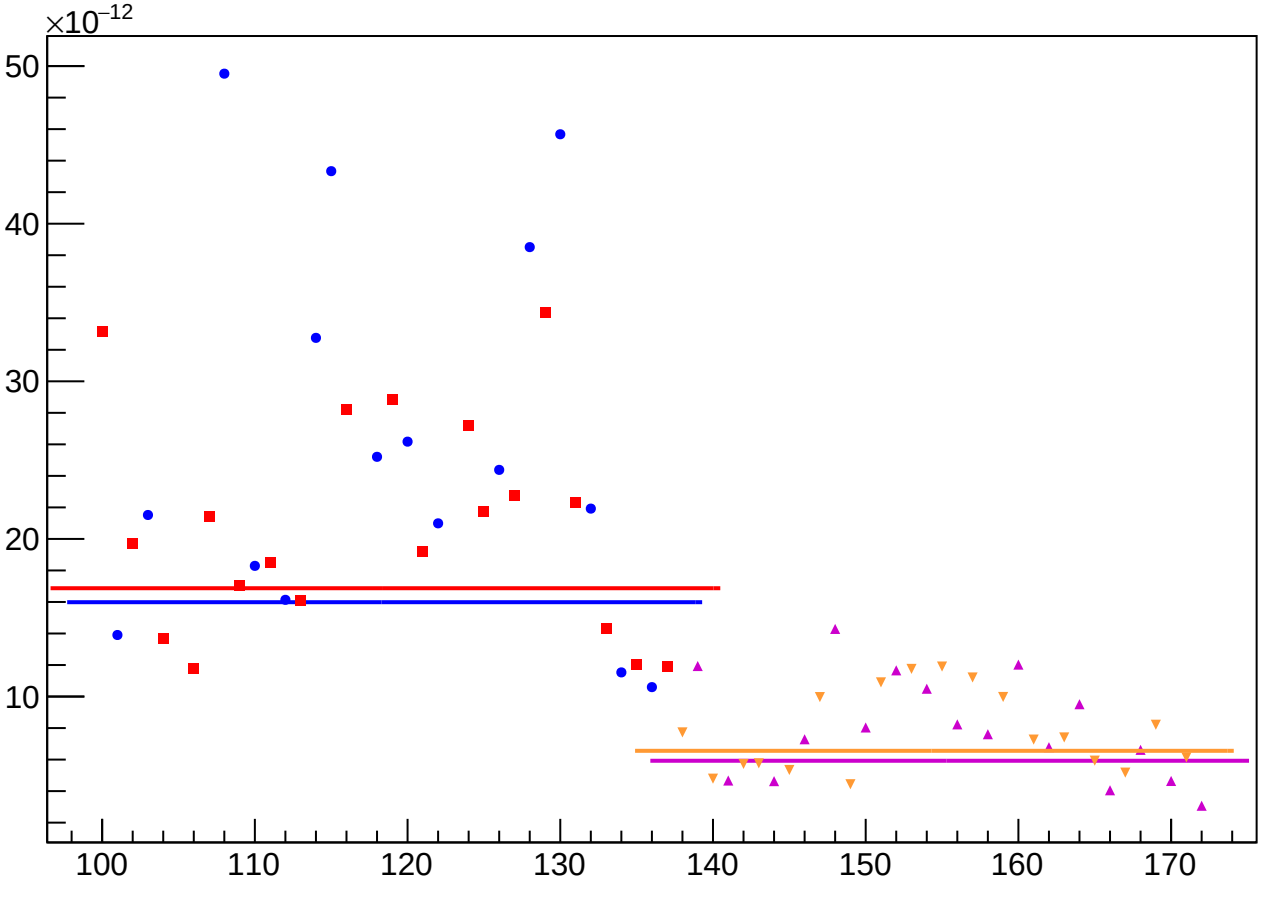
Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:42.4/32

Out: -0.000+/-0.000 χ^2/NDF:44.1/36

All: -0.000+/-0.000 χ^2/NDF: 86.8/69

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1764617.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1598809.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 835680.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2929546.1/16

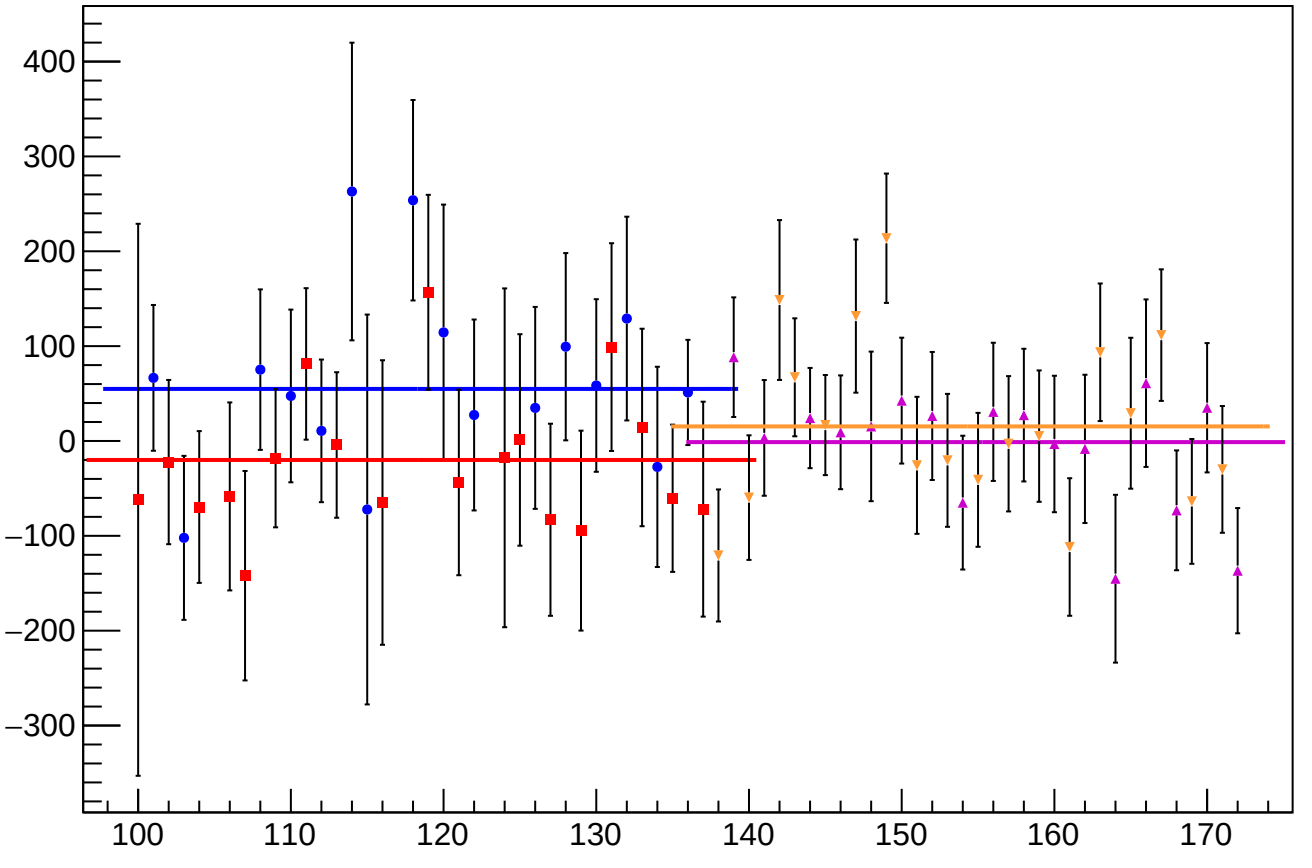
Left: 0.000+/-0.000 χ^2/NDF: 4608603.2/34

Right: 0.000+/-0.000 χ^2/NDF: 2613122.2/34

In: 0.000+/-0.000 χ^2/NDF:7806934.1/32

Out: 0.000+/-0.000 χ^2/NDF:5586384.0/36

All: 0.000+/-0.000 χ^2/NDF: 13499163.4/69



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 15.358+/-16.292 χ^2/NDF:28.3/17

Right Out: -20.020+/-22.571 χ^2/NDF: 9.2/18

Left In: -1.194+/-16.516 χ^2/NDF:13.1/16

Left: 7.195+/-11.599 χ^2/NDF: 41.8/34

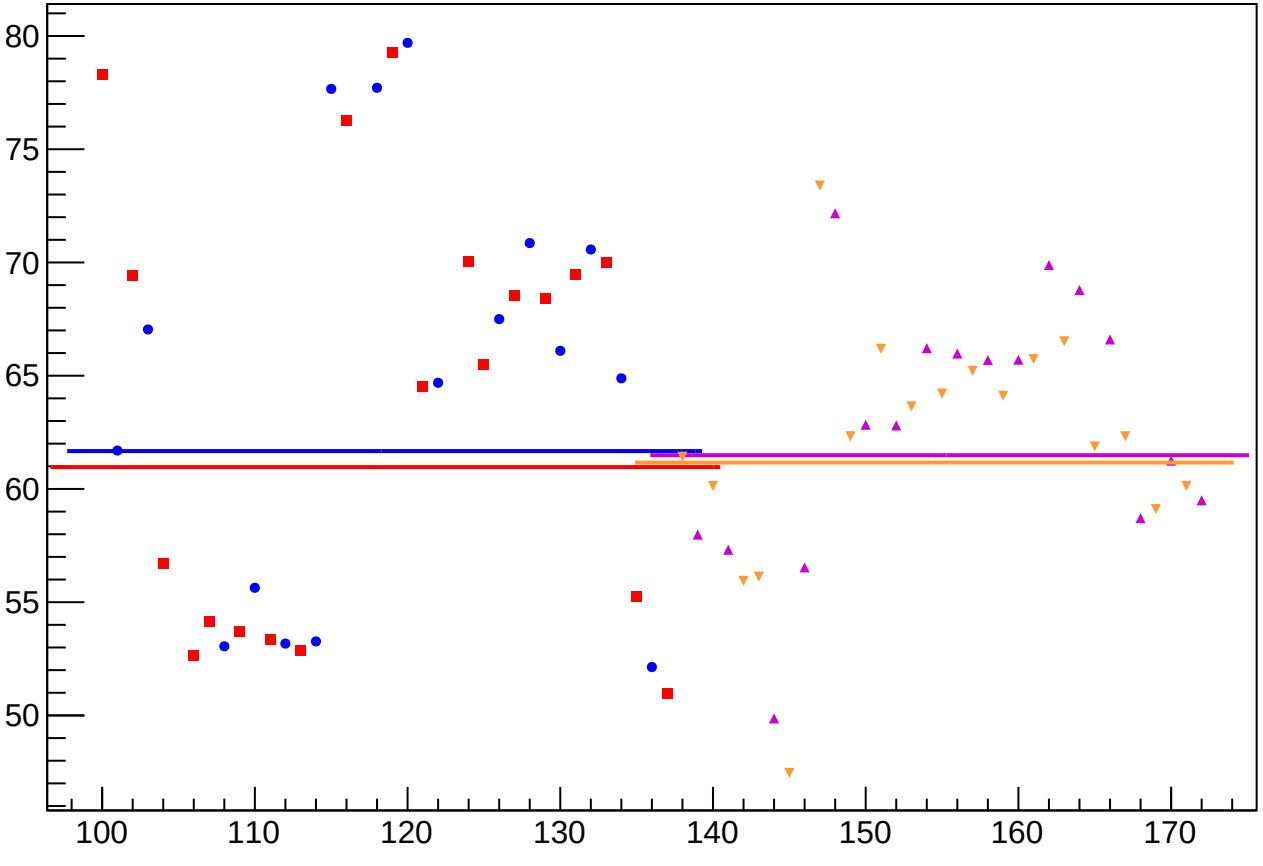
Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 17.690+/-13.451 χ^2/NDF:28.0/32

Out: 3.239+/-13.210 χ^2/NDF:39.1/36

All: 10.334+/-9.425 χ^2/NDF: 67.7/69

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: 61.166+/-0.012 χ^2/NDF:250622.1/17

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 61.490+/-0.012 χ^2/NDF:243983.0/16

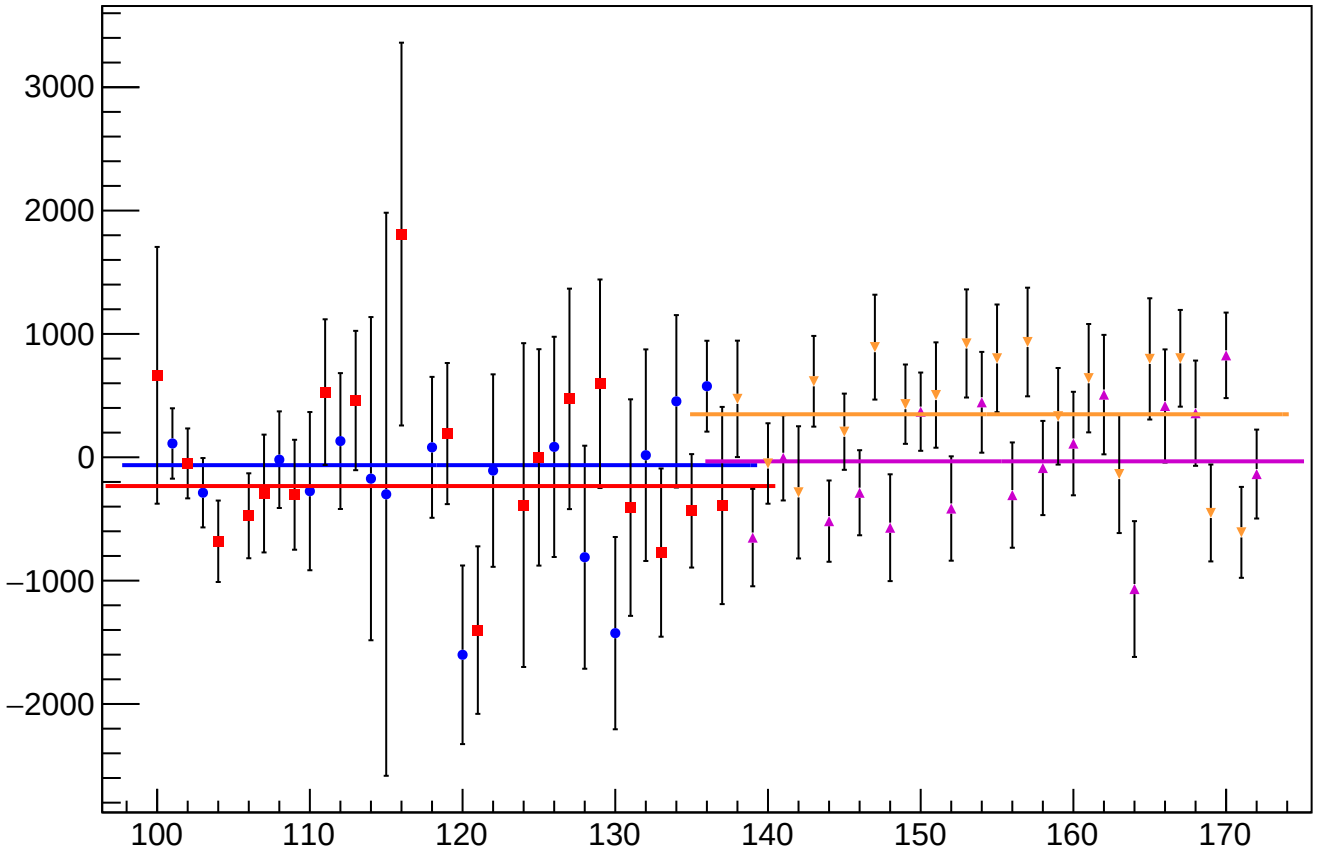
Left: 61.326+/-0.008 χ^2/NDF: 494994.4/34

Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 61.551+/-0.010 χ^2/NDF:511174.1/32

Out: 61.098+/-0.009 χ^2/NDF:534908.1/36

All: 61.320+/-0.007 χ^2/NDF: 1047240.5/69



Right In: -63.834+/-129.674 χ^2/NDF: 13.2/15

Left Out: 348.813+/-94.448 χ^2/NDF:24.6/17

Right Out: -233.206+/-122.791 χ^2/NDF: 14.5/18

Left In: -32.868+/-94.870 χ^2/NDF:23.9/16

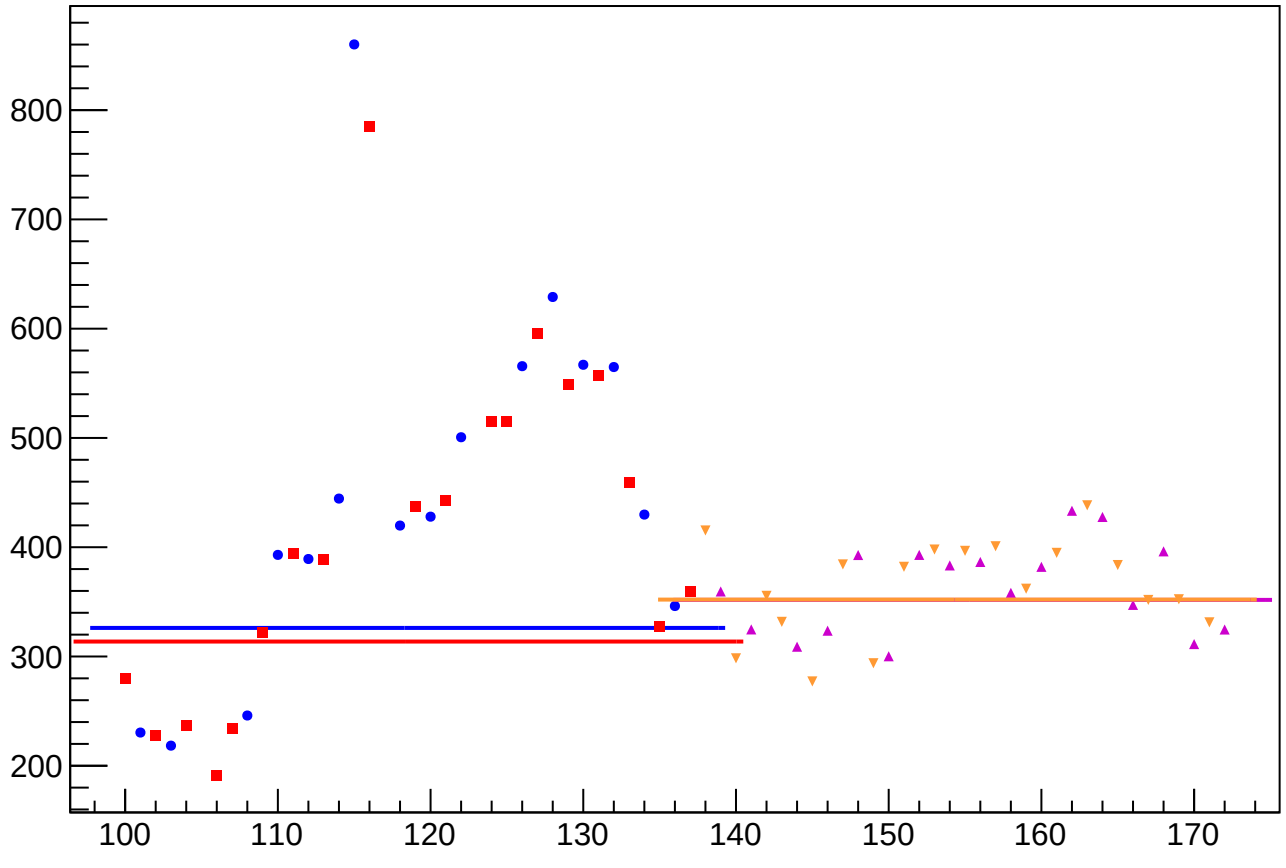
Left: 158.822+/-66.934 χ^2/NDF: 56.6/34

Right: -153.135+/-89.161 χ^2/NDF: 28.6/34

In: -43.664+/-76.567 χ^2/NDF:37.1/32

Out: 132.467+/-74.864 χ^2/NDF:53.3/36

All: 46.382+/-53.529 χ^2/NDF: 93.1/69



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 352.073+/-0.067 χ^2/NDF:468249.1/17

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 351.797+/-0.067 χ^2/NDF:341241.5/16

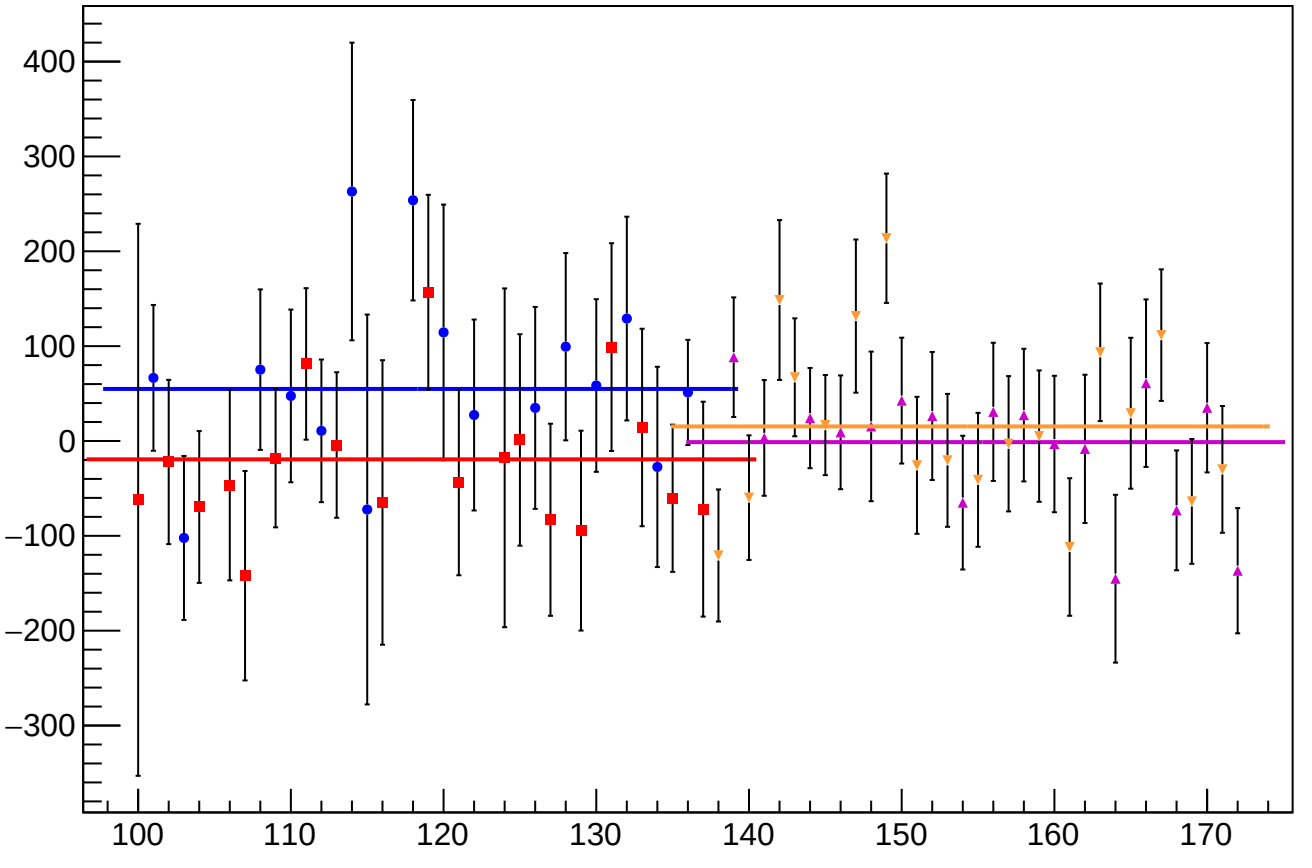
Left: 351.935+/-0.047 χ^2/NDF: 809499.2/34

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 342.854+/-0.054 χ^2/NDF:2126204.5/32

Out: 337.799+/-0.053 χ^2/NDF:2378493.1/36

All: 340.270+/-0.038 χ^2/NDF: 4509155.2/69



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 15.357+/-16.292 χ^2/NDF:28.3/17

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: -1.194+/-16.516 χ^2/NDF:13.1/16

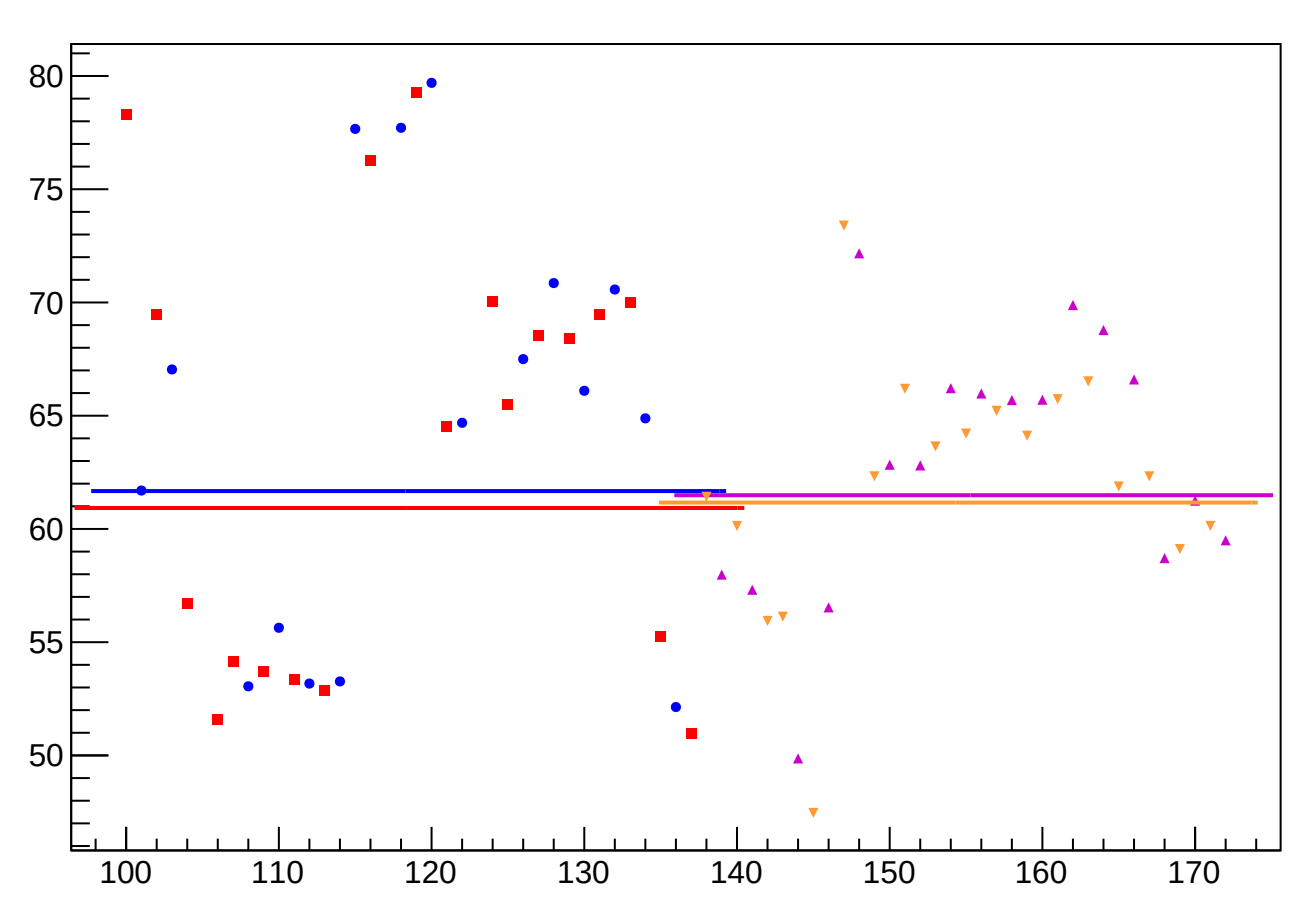
Left: 7.194+/-11.599 χ^2/NDF: 41.8/34

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 17.688+/-13.451 χ^2/NDF:28.0/32

Out: 3.479+/-13.214 χ^2/NDF:39.0/36

All: 10.457+/-9.426 χ^2/NDF: 67.5/69



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.166+/-0.012 χ^2/NDF:250622.1/17

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.490+/-0.012 χ^2/NDF:243983.0/16

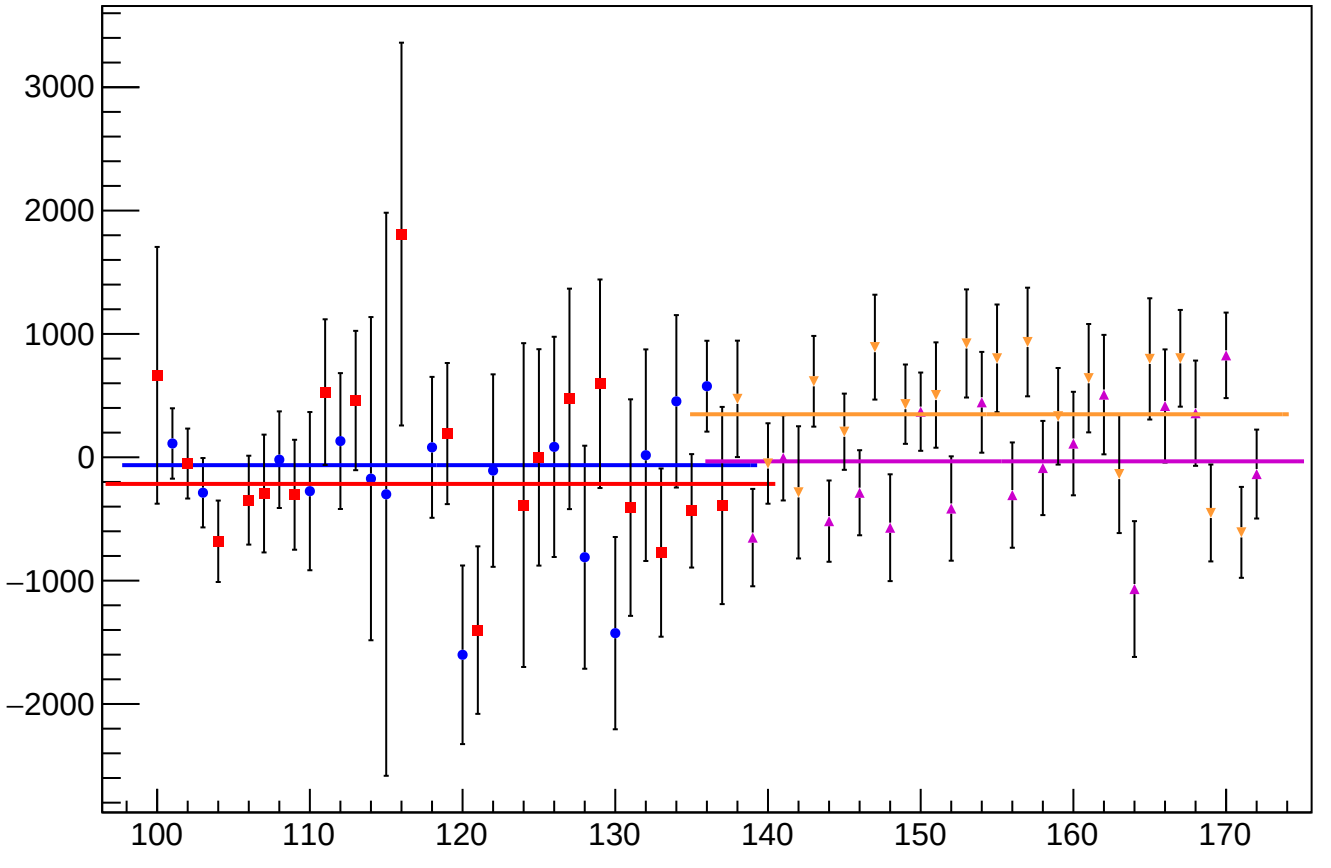
Left: 61.326+/-0.008 χ^2/NDF: 494994.4/34

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.551+/-0.010 χ^2/NDF:511174.3/32

Out: 61.084+/-0.009 χ^2/NDF:538350.6/36

All: 61.313+/-0.007 χ^2/NDF: 1050755.0/69



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 348.813+/-94.448 χ^2/NDF:24.6/17

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -32.868+/-94.870 χ^2/NDF:23.9/16

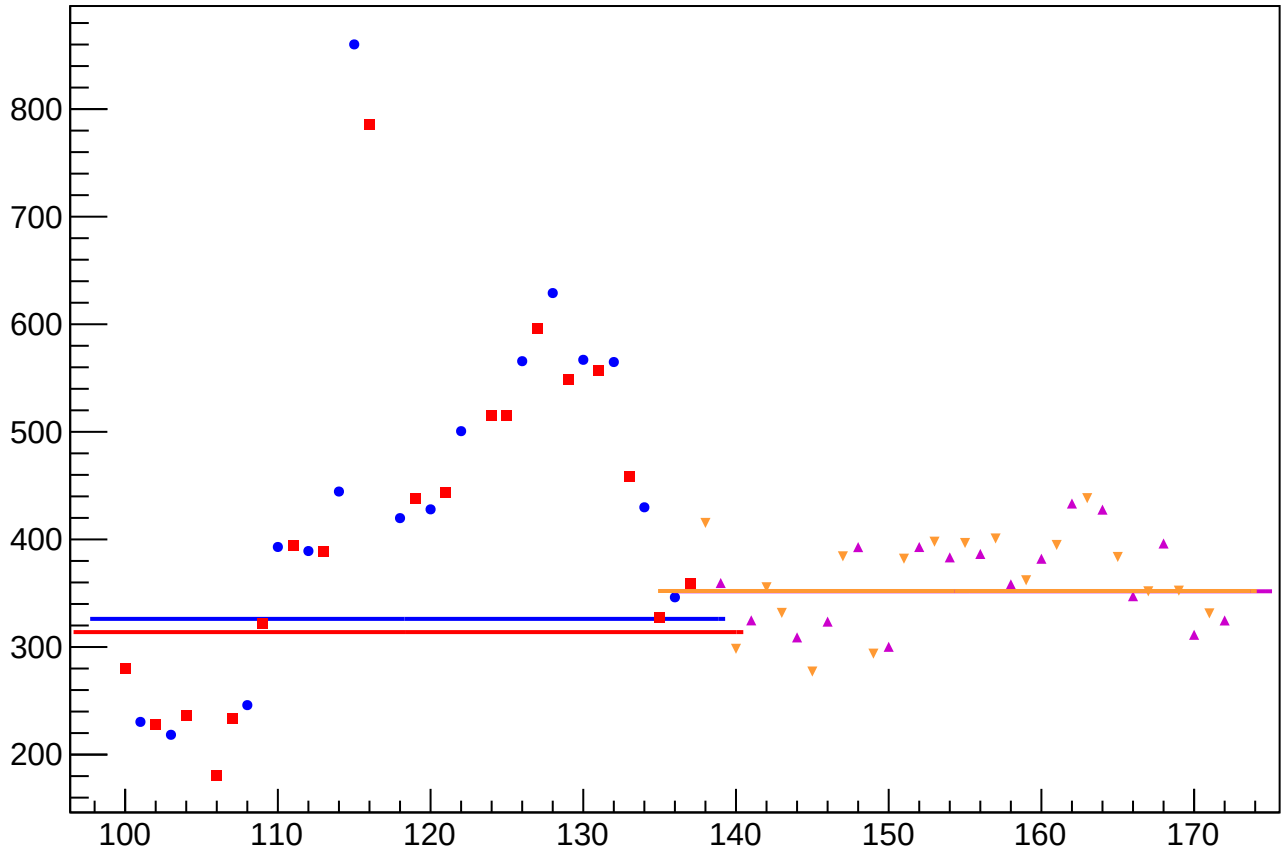
Left: 158.822+/-66.934 χ^2/NDF: 56.6/34

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -43.659+/-76.567 χ^2/NDF:37.1/32

Out: 140.394+/-75.022 χ^2/NDF:51.9/36

All: 50.243+/-53.586 χ^2/NDF: 92.0/69



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 352.073+/-0.067 χ^2/NDF:468248.2/17

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 351.797+/-0.067 χ^2/NDF:341243.0/16

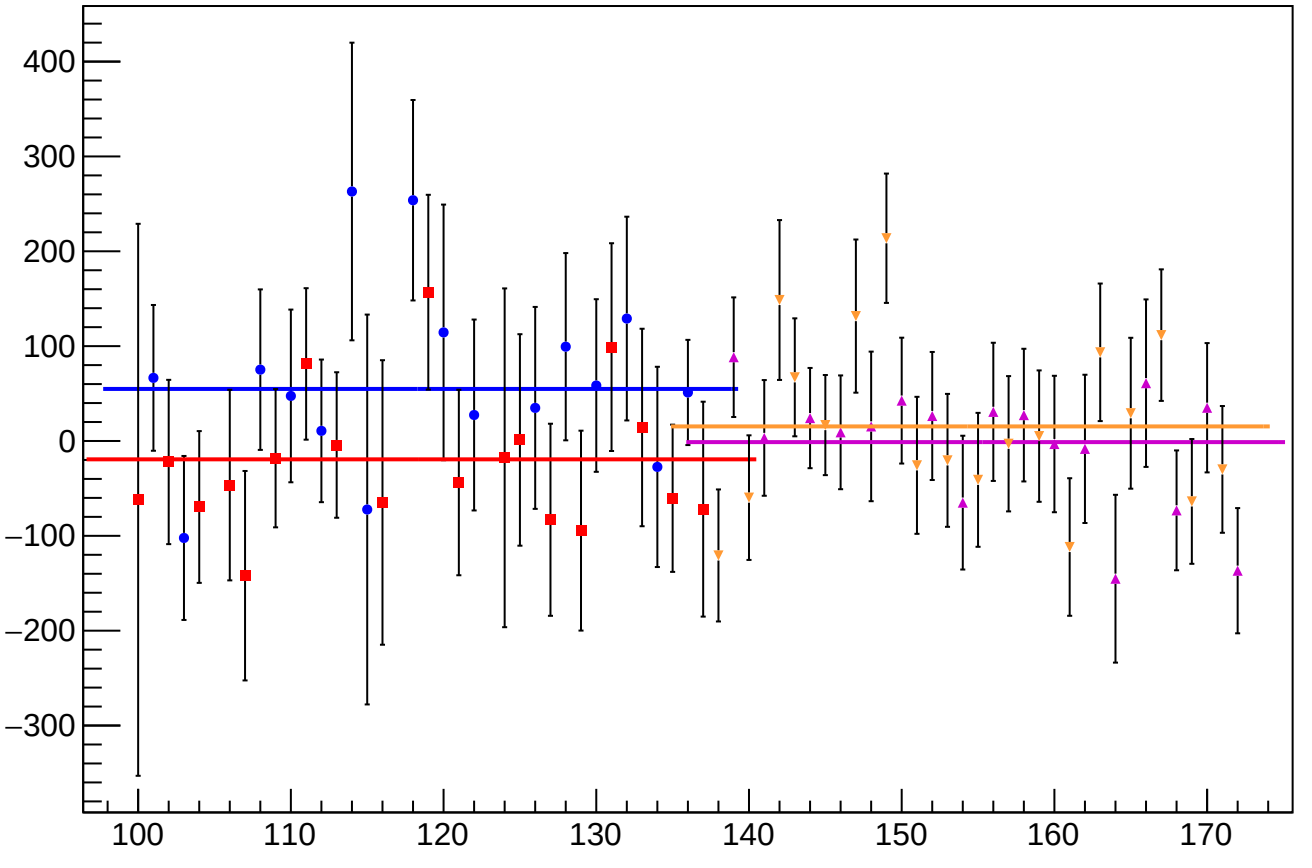
Left: 351.936+/-0.047 χ^2/NDF: 809499.7/34

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 342.855+/-0.054 χ^2/NDF:2126133.5/32

Out: 337.970+/-0.053 χ^2/NDF:2394851.1/36

All: 340.363+/-0.038 χ^2/NDF: 4525138.1/69



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 15.357+/-16.292 χ^2/NDF:28.3/17

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: -1.194+/-16.516 χ^2/NDF:13.1/16

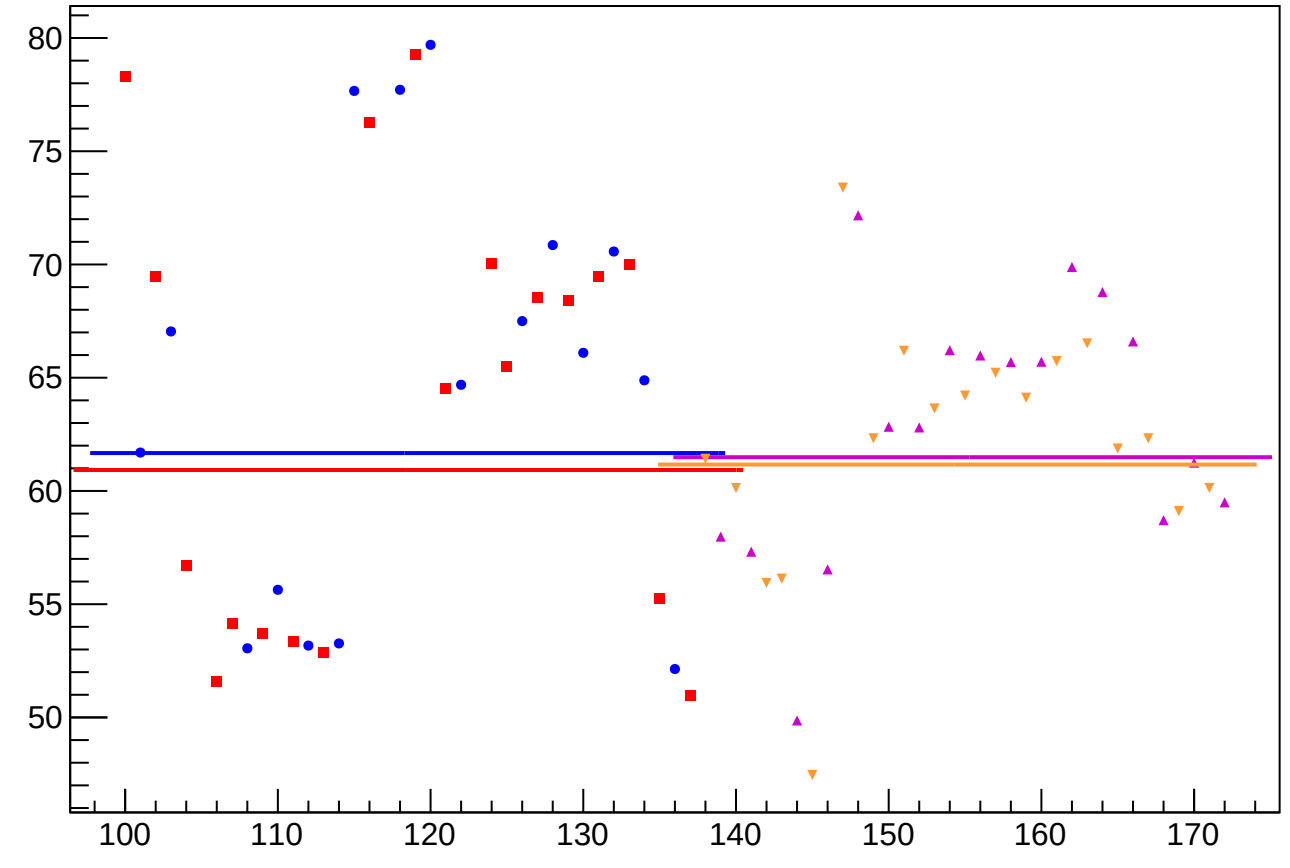
Left: 7.194+/-11.599 χ^2/NDF: 41.8/34

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 17.688+/-13.451 χ^2/NDF:28.0/32

Out: 3.479+/-13.214 χ^2/NDF:39.0/36

All: 10.457+/-9.426 χ^2/NDF: 67.5/69



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.166+/-0.012 χ^2/NDF:250622.1/17

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: 61.326+/-0.008 χ^2/NDF: 494994.4/34

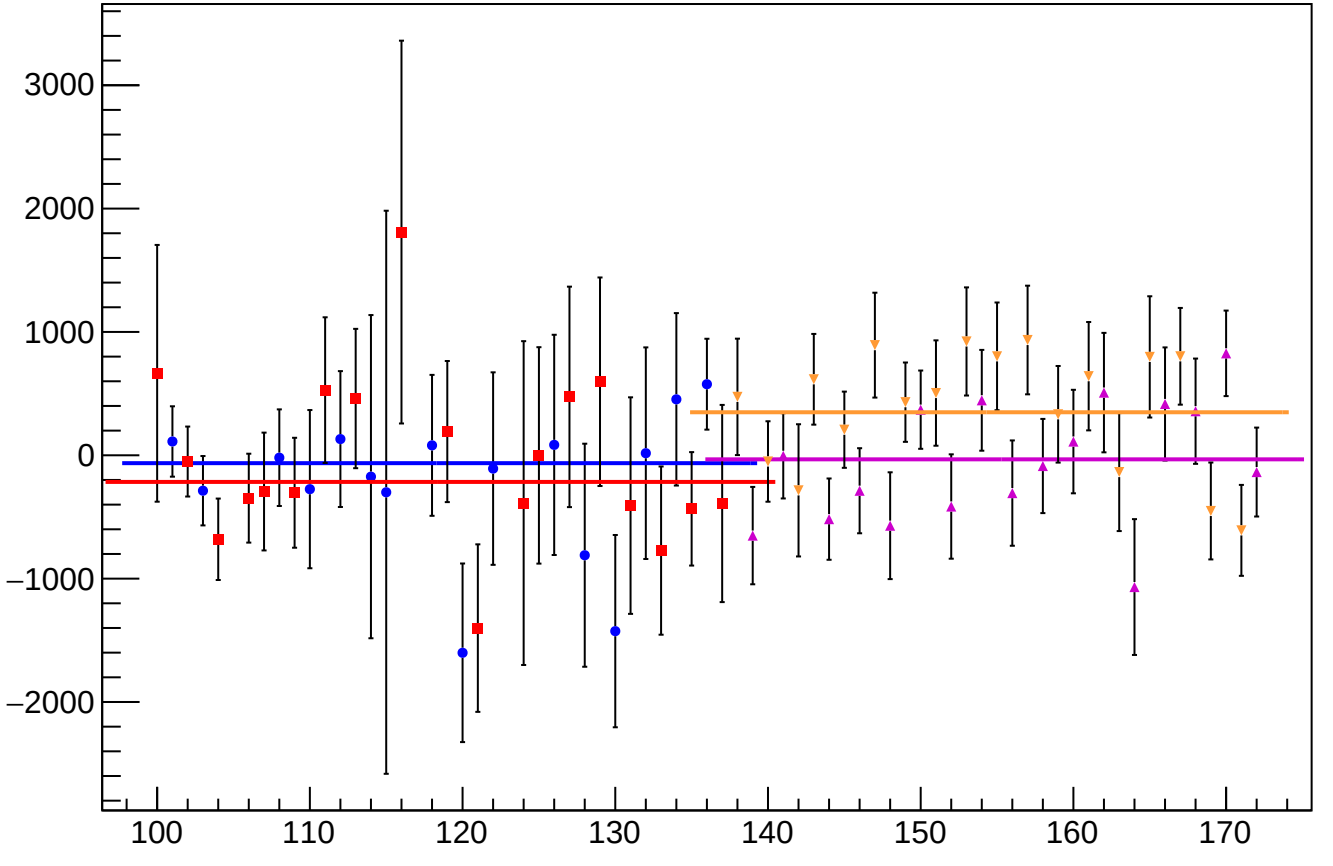
Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.551+/-0.010 χ^2/NDF:511174.3/32

Out: 61.084+/-0.009 χ^2/NDF:538350.6/36

All: 61.313+/-0.007 χ^2/NDF: 1050755.0/69

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: 348.813+/-94.448 χ^2/NDF:24.6/17

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: 158.822+/-66.934 χ^2/NDF: 56.6/34

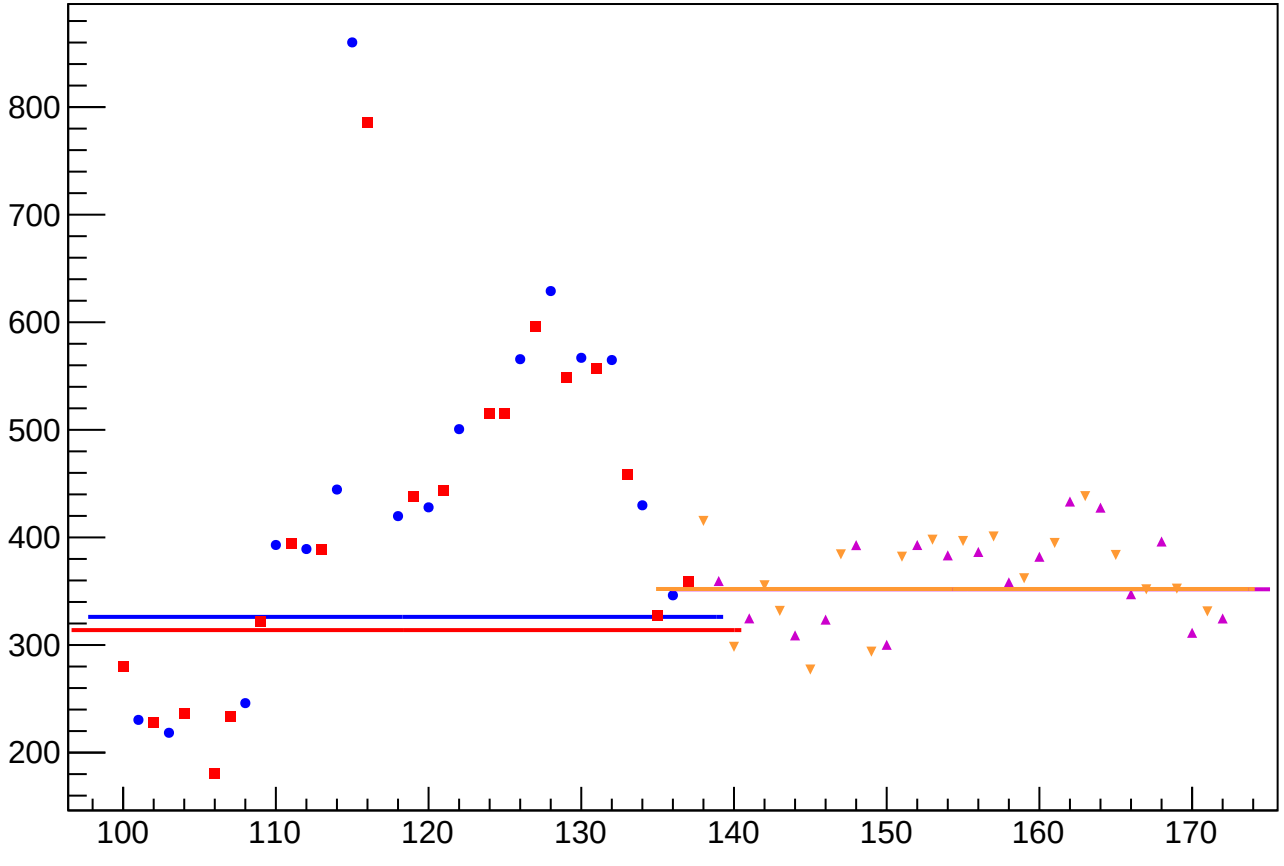
Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -43.659+/-76.567 χ^2/NDF:37.1/32

Out: 140.394+/-75.022 χ^2/NDF:51.9/36

All: 50.243+/-53.586 χ^2/NDF: 92.0/69

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 352.073+/-0.067 χ^2/NDF:468248.2/17

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 351.797+/-0.067 χ^2/NDF:341243.0/16

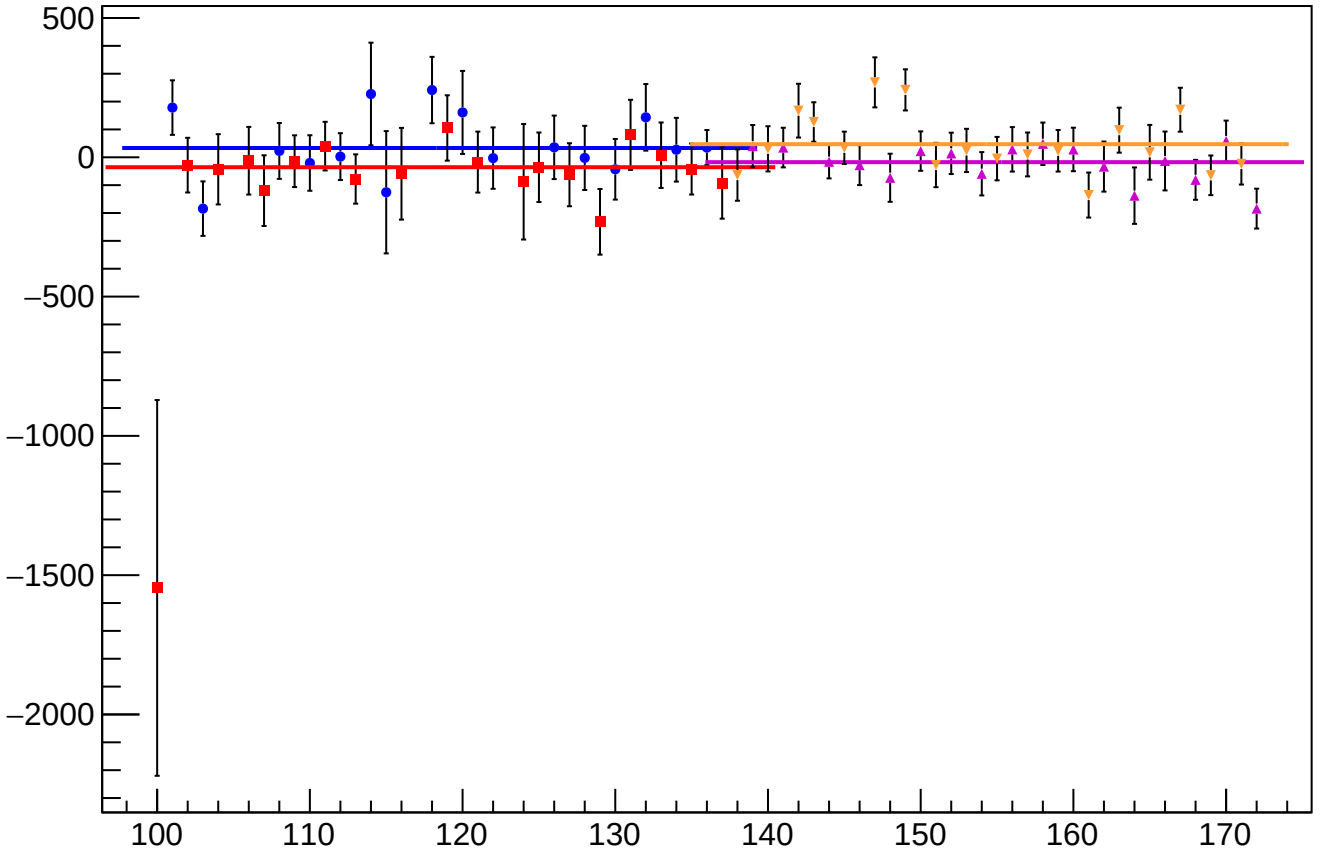
Left: 351.936+/-0.047 χ^2/NDF: 809499.7/34

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 342.855+/-0.054 χ^2/NDF:2126133.5/32

Out: 337.970+/-0.053 χ^2/NDF:2394851.1/36

All: 340.363+/-0.038 χ^2/NDF: 4525138.1/69



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 47.079+/-18.376 χ^2/NDF:30.6/17

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: 15.096+/-13.054 χ^2/NDF: 49.2/34

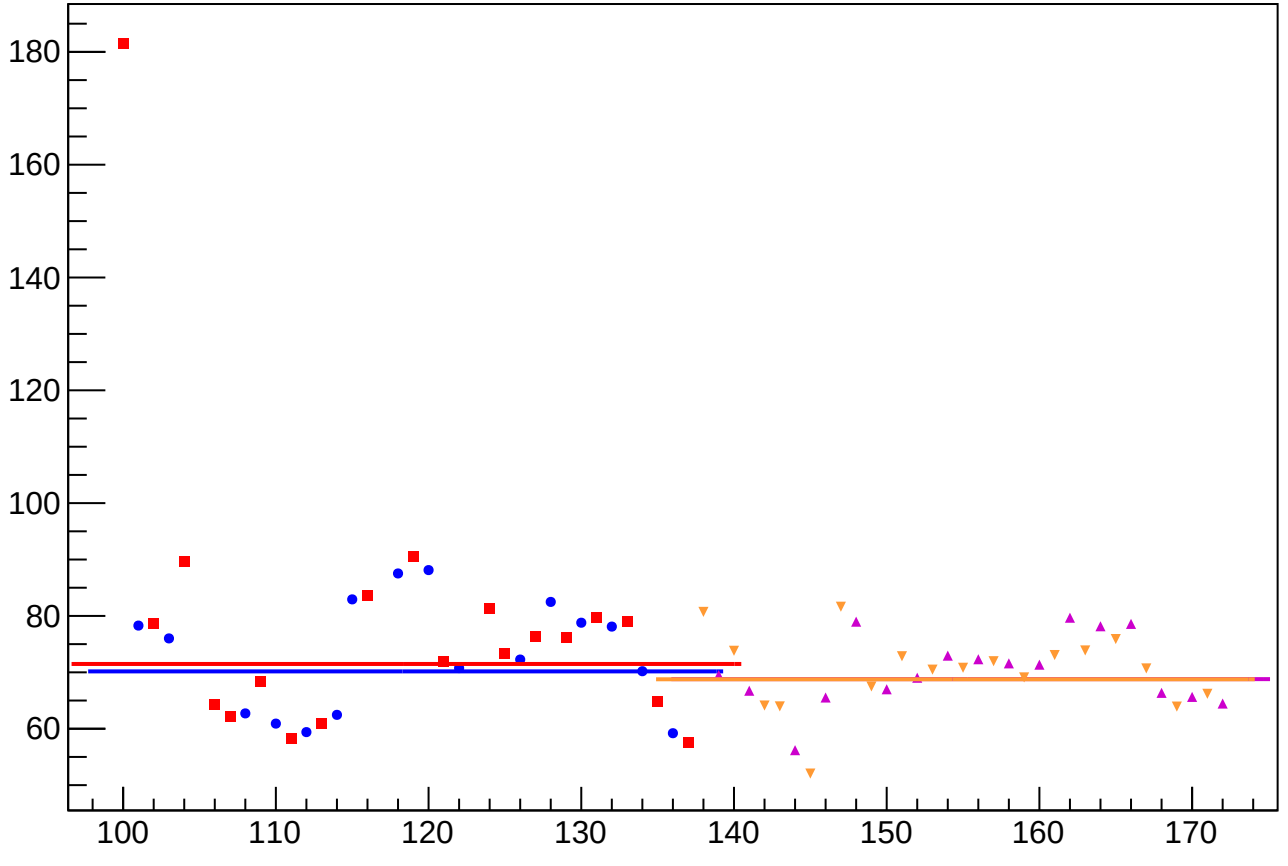
Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: -0.683+/-15.179 χ^2/NDF:29.5/32

Out: 20.289+/-15.107 χ^2/NDF:49.2/36

All: 9.853+/-10.708 χ^2/NDF: 79.7/69

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: 68.769+/-0.013 χ^2/NDF:311524.9/17

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 68.796+/-0.013 χ^2/NDF:215169.2/16

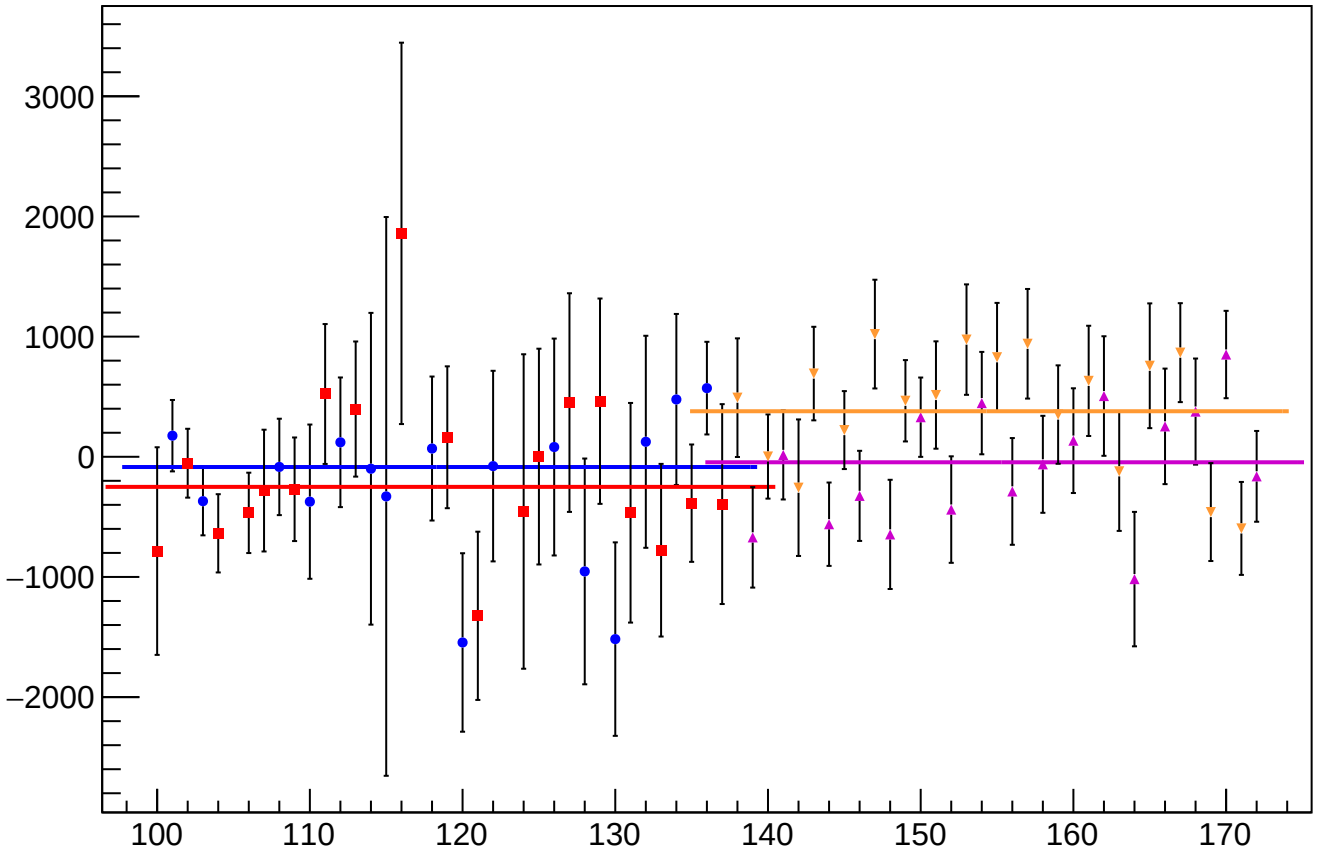
Left: 68.782+/-0.009 χ^2/NDF: 526696.3/34

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 69.249+/-0.011 χ^2/NDF:488030.9/32

Out: 69.648+/-0.011 χ^2/NDF:651386.3/36

All: 69.449+/-0.008 χ^2/NDF: 1140113.9/69



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 378.961+/-99.208 χ^2/NDF:23.6/17

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: 167.462+/-70.289 χ^2/NDF: 55.1/34

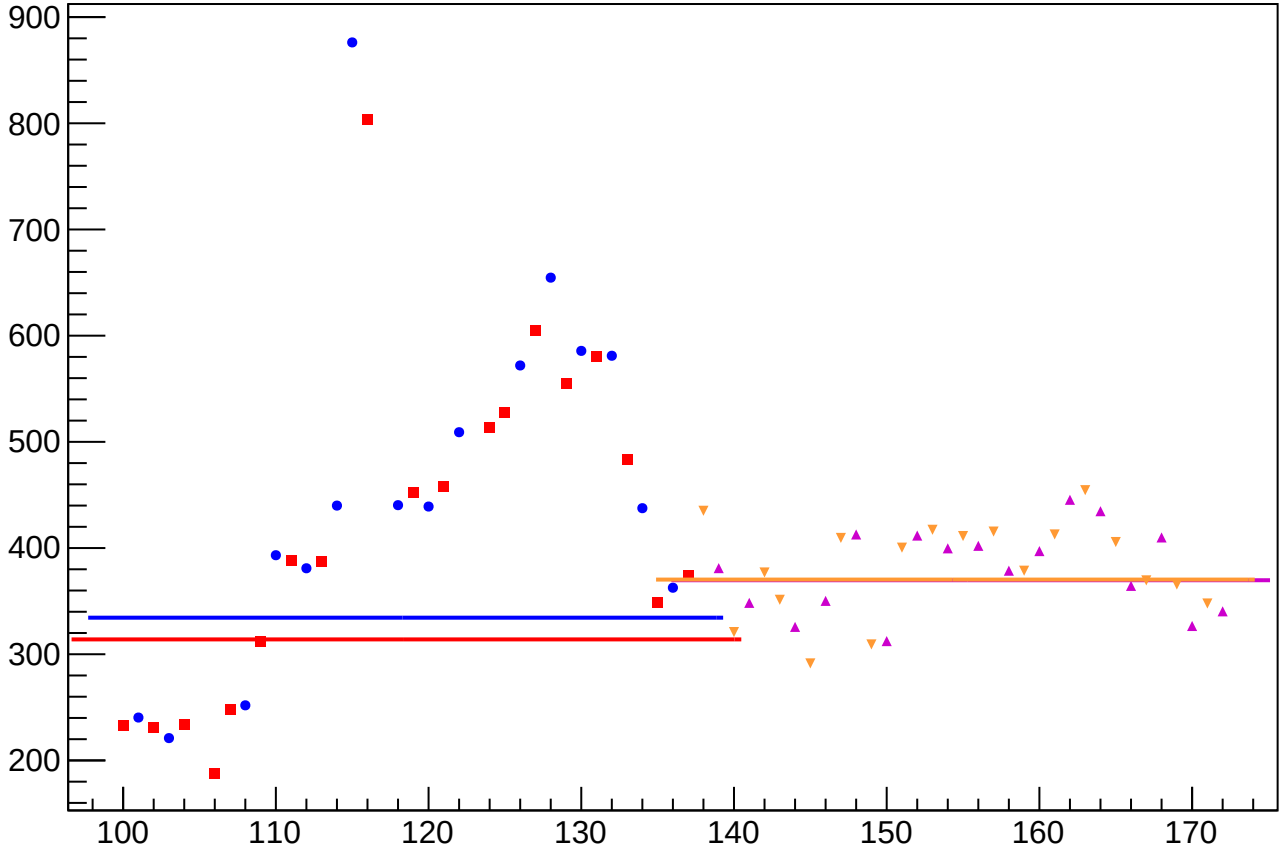
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -59.915+/-79.697 χ^2/NDF:36.1/32

Out: 131.624+/-77.295 χ^2/NDF:51.9/36

All: 38.785+/-55.485 χ^2/NDF: 91.0/69

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 370.303+/-0.070 χ^2/NDF:435823.5/17

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 369.693+/-0.070 χ^2/NDF:301823.8/16

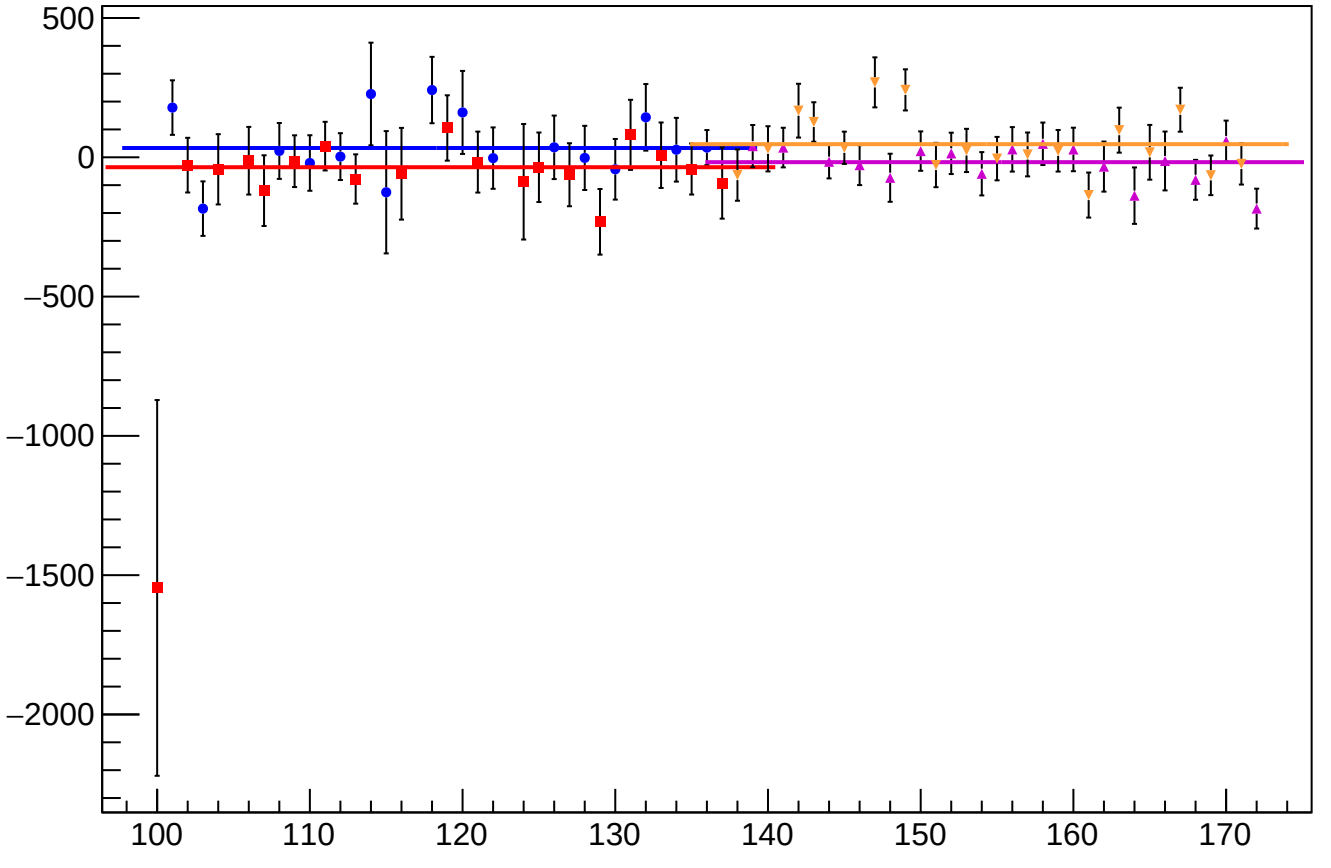
Left: 370.000+/-0.050 χ^2/NDF: 737685.0/34

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 357.008+/-0.056 χ^2/NDF:2122614.5/32

Out: 348.166+/-0.055 χ^2/NDF:2593834.5/36

All: 352.452+/-0.039 χ^2/NDF: 4729133.5/69



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 47.078+/-18.376 χ^2/NDF:30.6/17

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: -17.485+/-18.547 χ^2/NDF:12.5/16

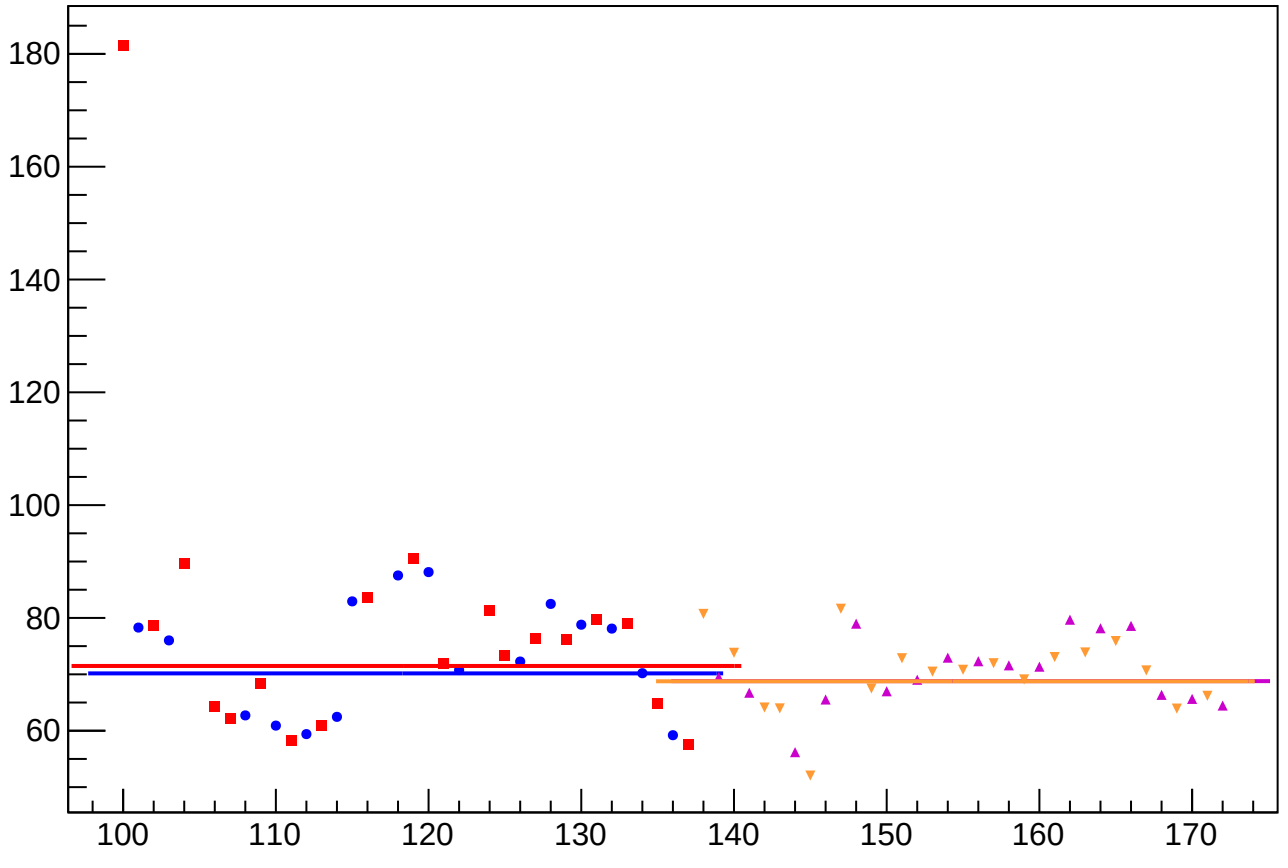
Left: 15.095+/-13.054 χ^2/NDF: 49.2/34

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: -0.683+/-15.179 χ^2/NDF:29.5/32

Out: 20.288+/-15.107 χ^2/NDF:49.2/36

All: 9.852+/-10.708 χ^2/NDF: 79.7/69



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 68.768+/-0.013 χ^2/NDF:311531.4/17

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 68.796+/-0.013 χ^2/NDF:215171.5/16

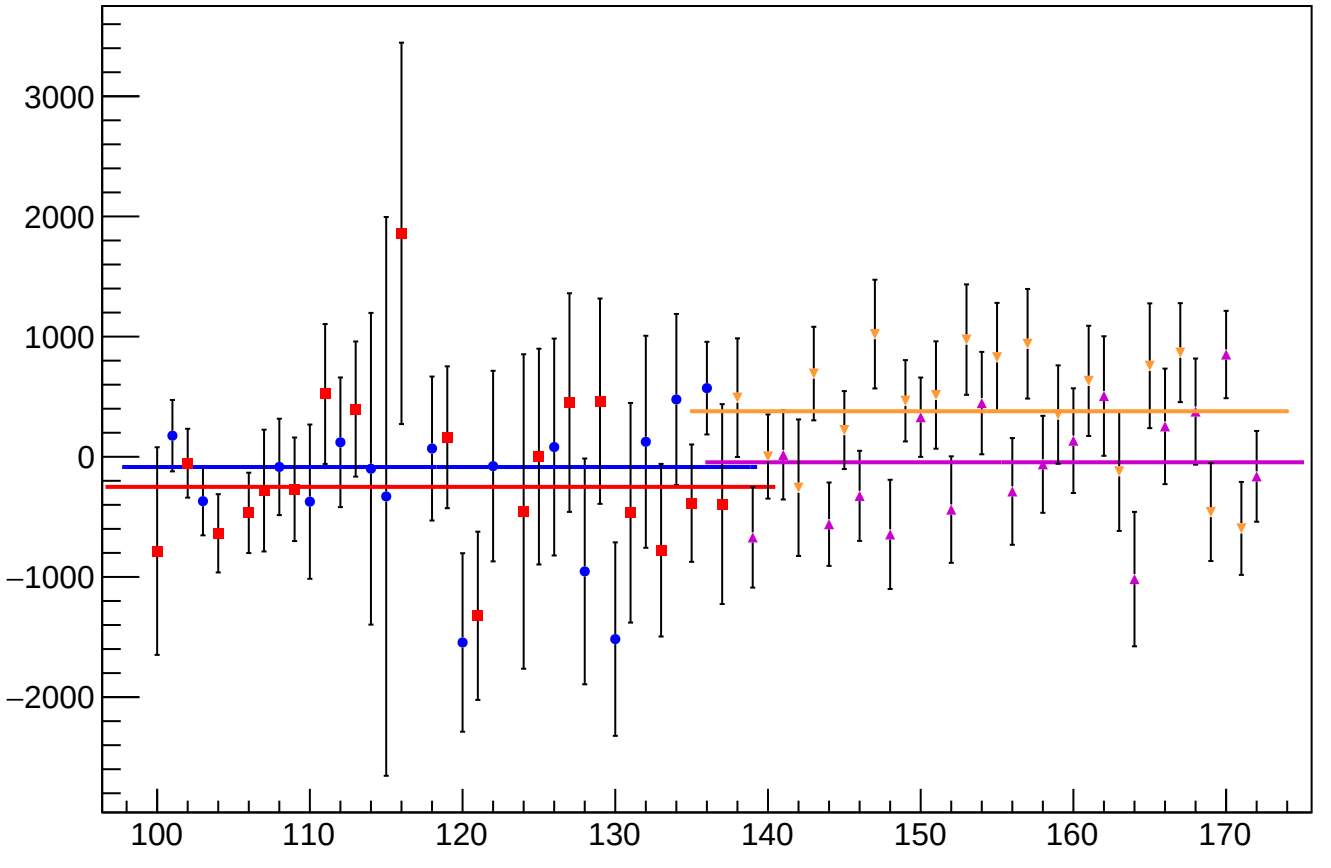
Left: 68.782+/-0.009 χ^2/NDF: 526705.1/34

Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 69.249+/-0.011 χ^2/NDF:488037.0/32

Out: 69.648+/-0.011 χ^2/NDF:651400.4/36

All: 69.449+/-0.008 χ^2/NDF: 1140134.0/69



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 378.960+/-99.208 χ^2/NDF:23.6/17

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: 167.462+/-70.289 χ^2/NDF: 55.1/34

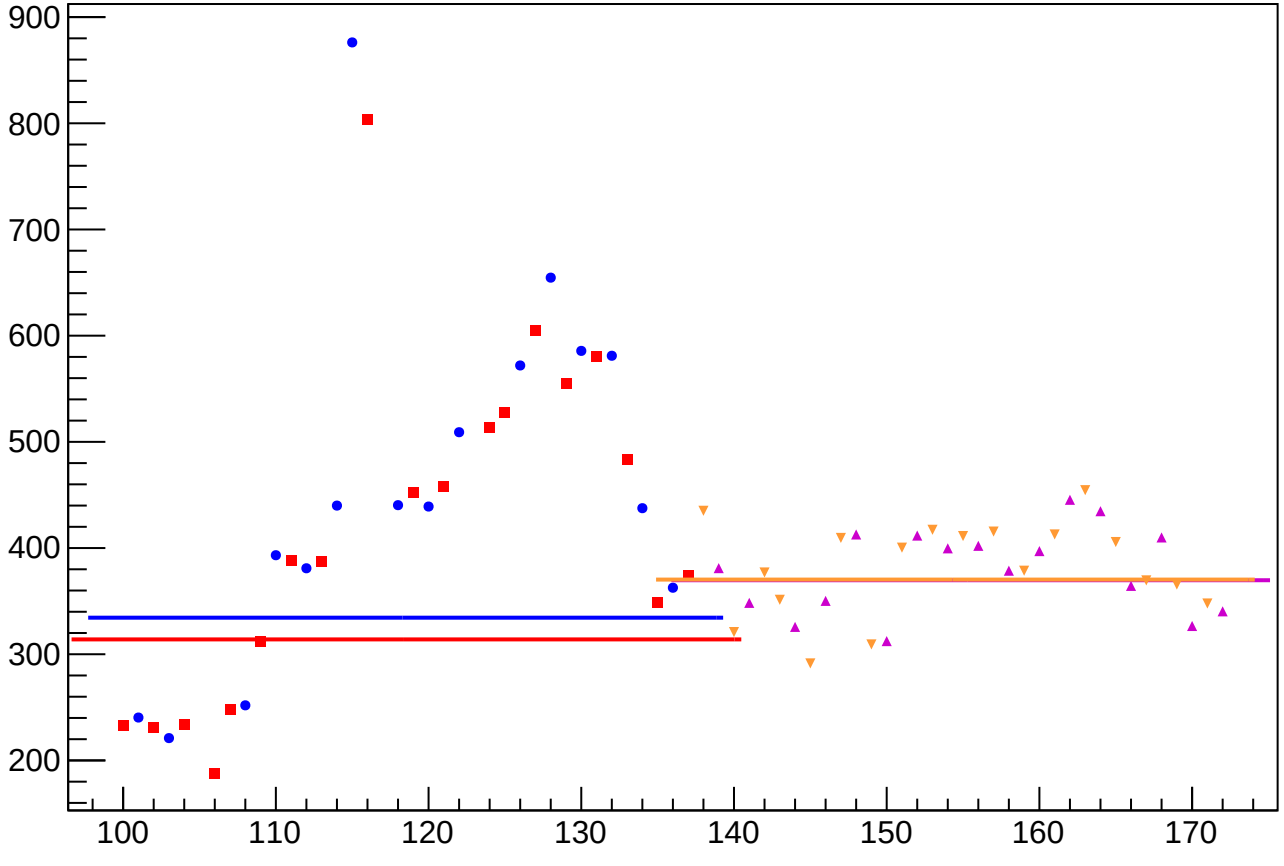
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -59.915+/-79.697 χ^2/NDF:36.1/32

Out: 131.624+/-77.295 χ^2/NDF:51.9/36

All: 38.785+/-55.485 χ^2/NDF: 91.0/69

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 370.303+/-0.070 χ^2/NDF:435827.6/17

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: 369.999+/-0.050 χ^2/NDF: 737689.4/34

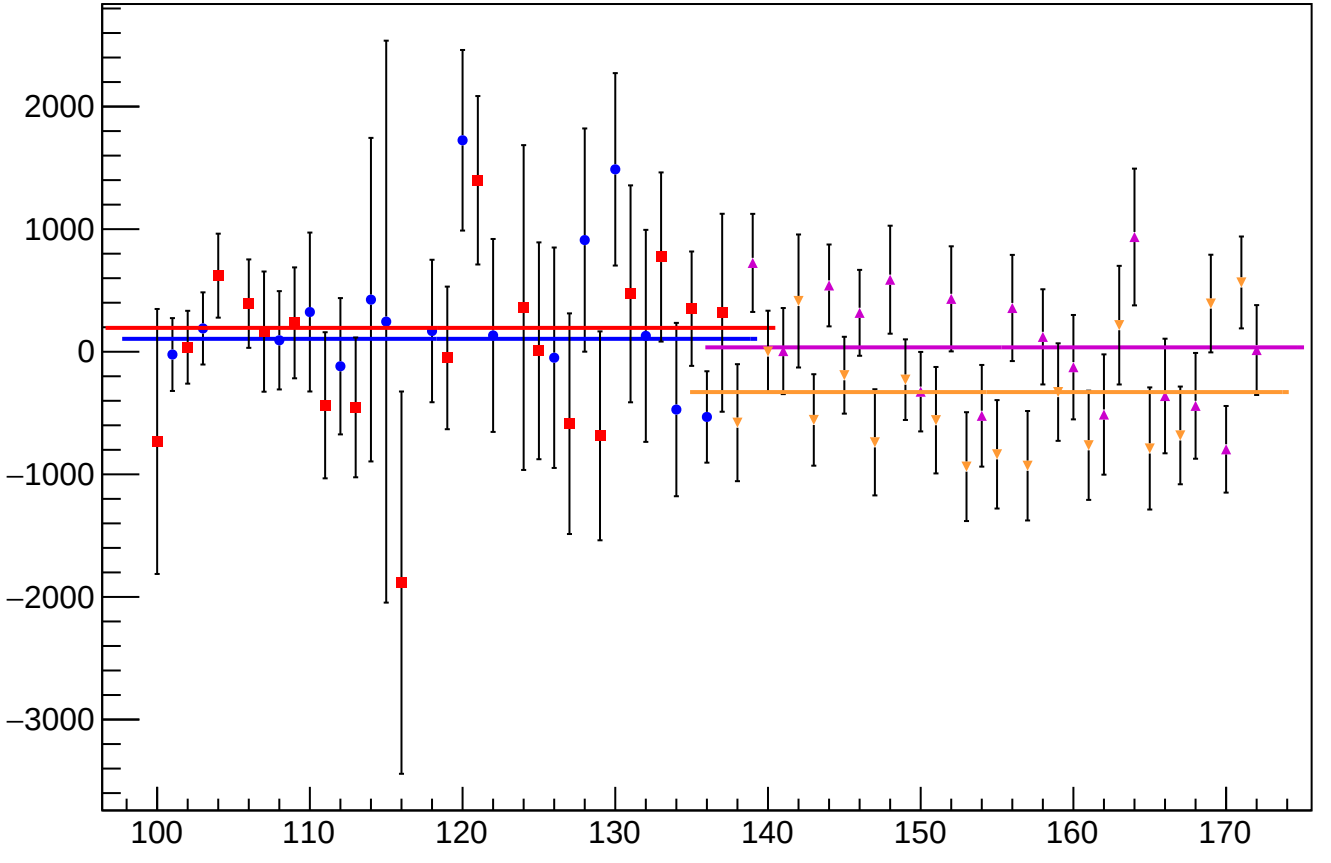
Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 357.008+/-0.056 χ^2/NDF:2122612.1/32

Out: 348.166+/-0.055 χ^2/NDF:2593835.0/36

All: 352.452+/-0.039 χ^2/NDF: 4729132.0/69

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -328.906+/-95.935 χ^2/NDF:22.8/17

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: -147.342+/-67.992 χ^2/NDF: 53.5/34

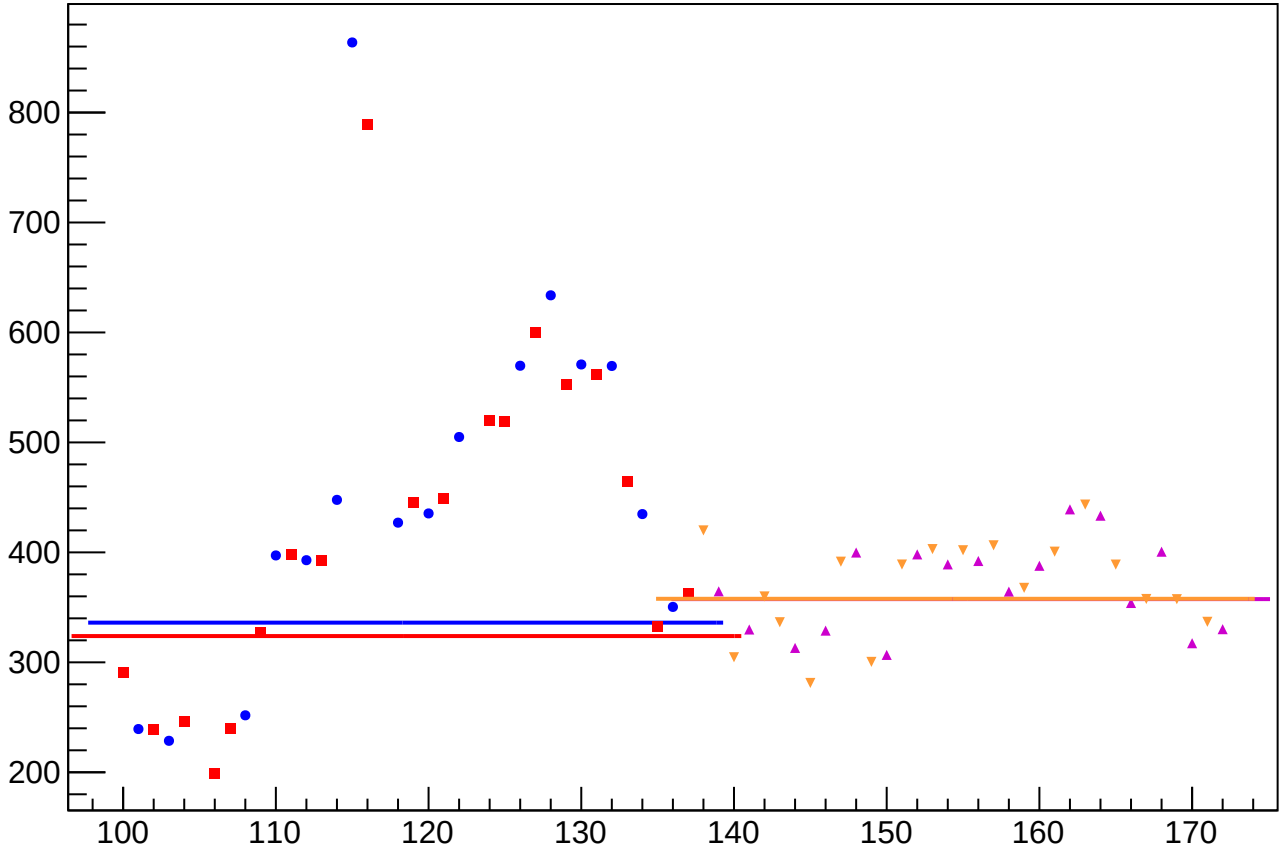
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 59.810+/-78.050 χ^2/NDF:36.6/32

Out: -137.135+/-76.373 χ^2/NDF:46.9/36

All: -40.801+/-54.587 χ^2/NDF: 86.7/69

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 357.776+/-0.068 χ^2/NDF:455077.8/17

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 357.496+/-0.068 χ^2/NDF:331749.6/16

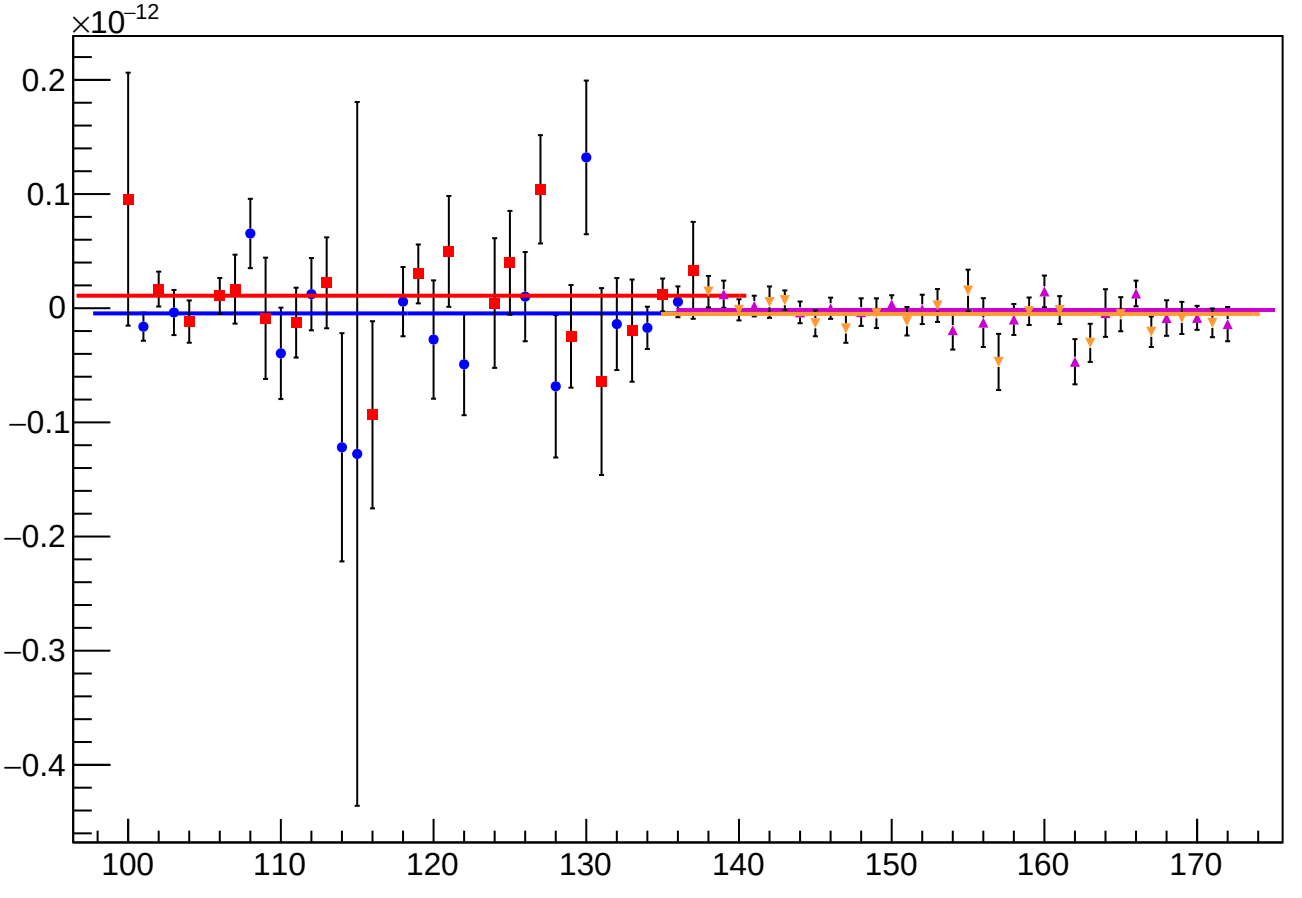
Left: 357.637+/-0.048 χ^2/NDF: 786835.9/34

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 350.130+/-0.055 χ^2/NDF:1984695.0/32

Out: 345.364+/-0.054 χ^2/NDF:2211910.9/36

All: 347.695+/-0.039 χ^2/NDF: 4200415.8/69



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/17

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: 29.1/34

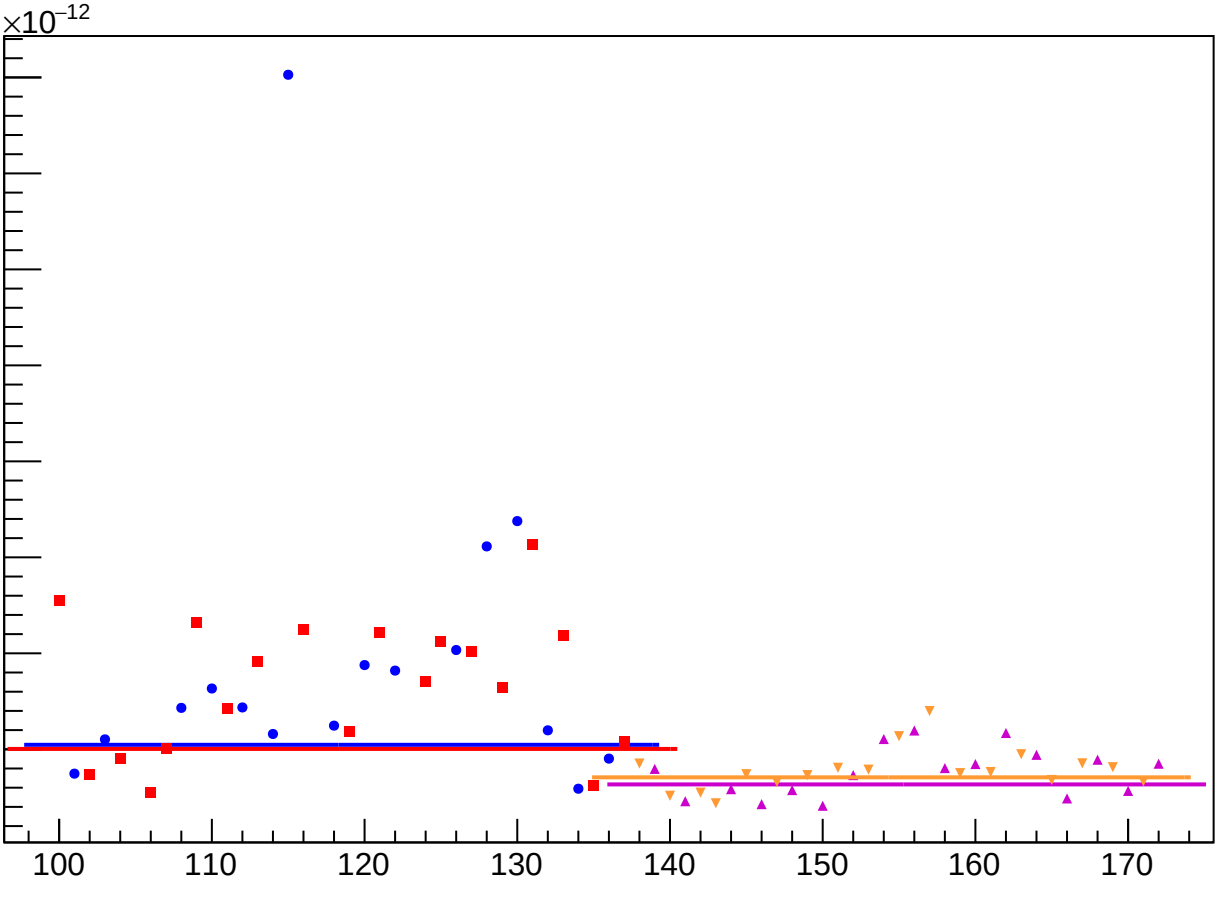
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:30.0/32

Out: -0.000+/-0.000 χ^2/NDF:32.6/36

All: -0.000+/-0.000 χ^2/NDF: 62.5/69

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:710050.5/17

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: 1855301.4/34

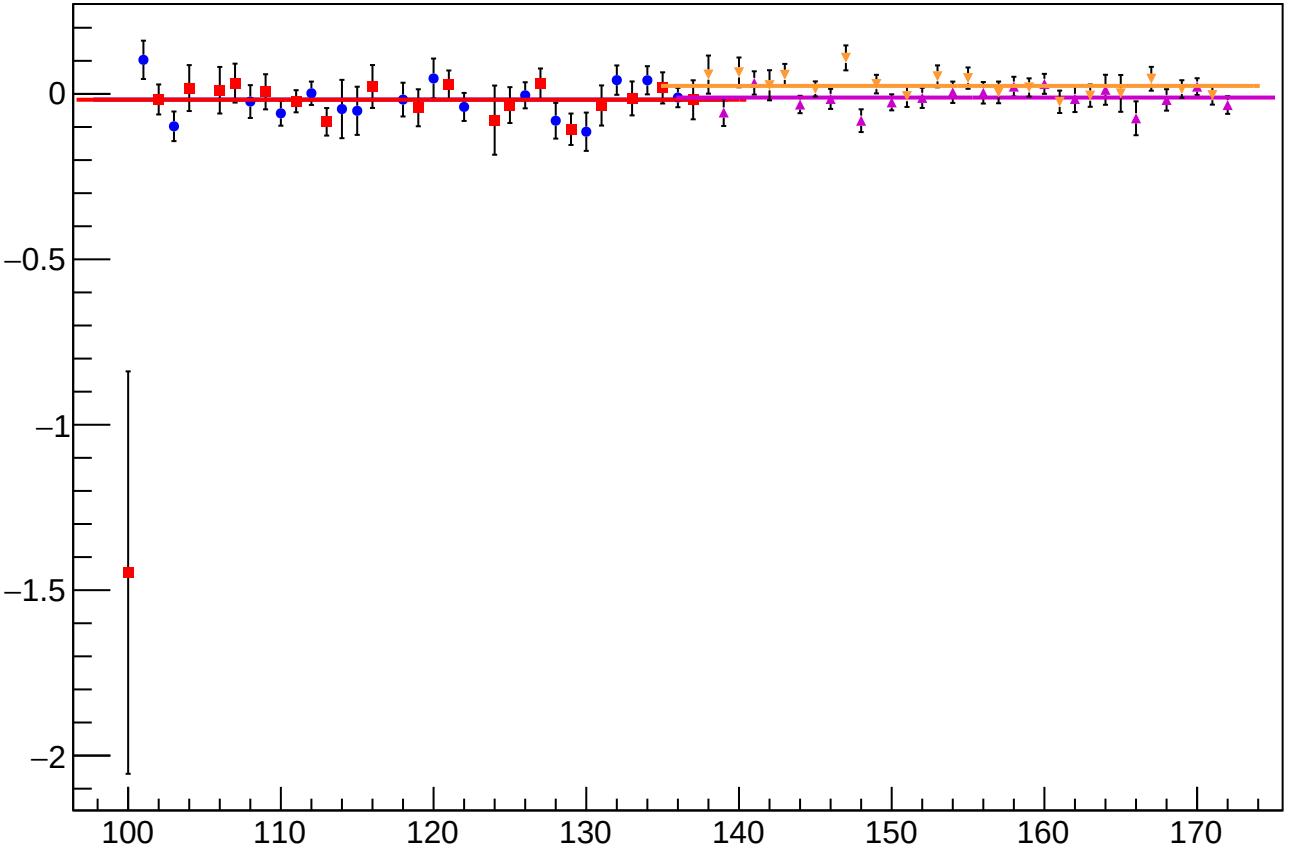
Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:2946637.2/32

Out: 0.000+/-0.000 χ^2/NDF:2474513.2/36

All: 0.000+/-0.000 χ^2/NDF: 5465740.3/69

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.024+/-0.008 χ^2/NDF:14.4/17

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: 0.006+/-0.005 χ^2/NDF: 40.6/34

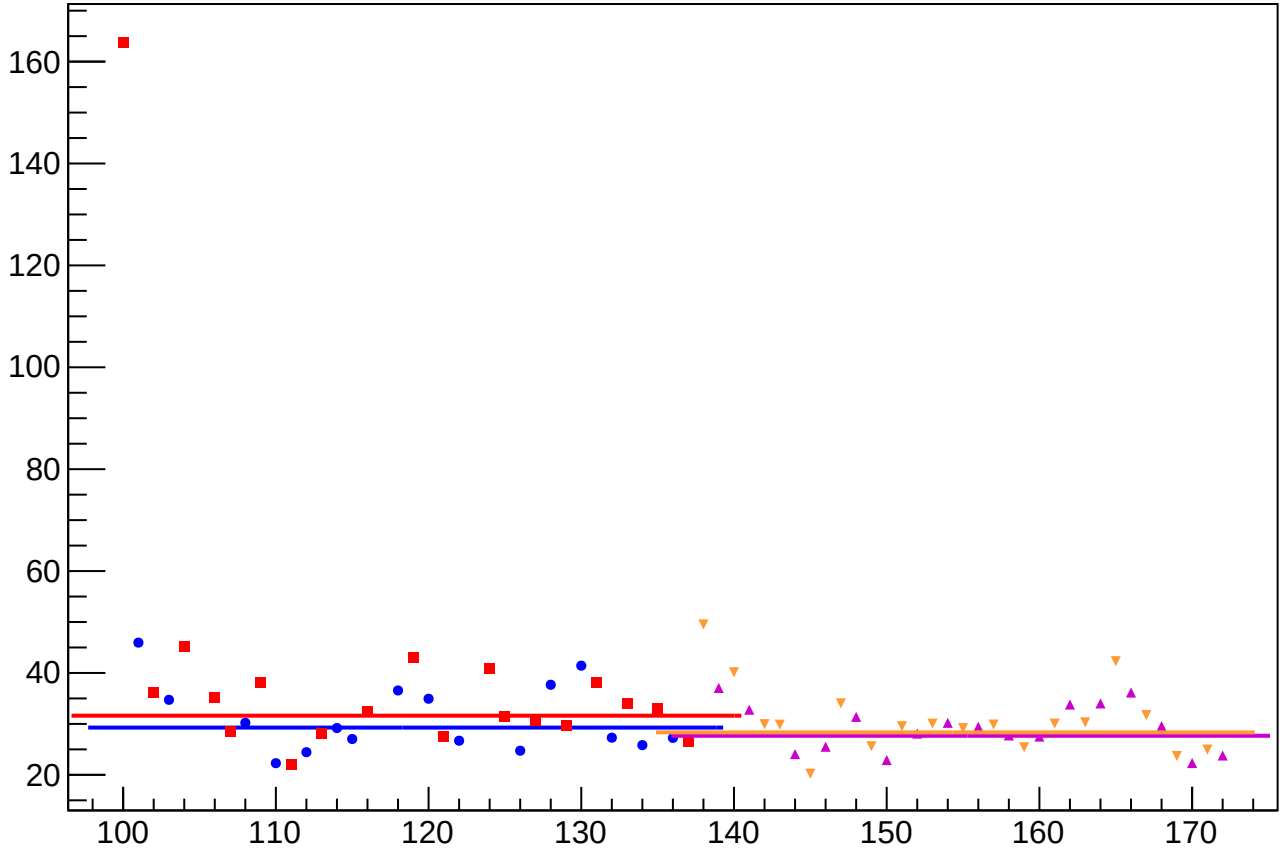
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:34.7/32

Out: 0.012+/-0.007 χ^2/NDF:39.7/36

All: -0.001+/-0.005 χ^2/NDF: 81.9/69

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.339+/-0.005 χ^2/NDF:1012651.2/17

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.670+/-0.005 χ^2/NDF:594639.0/16

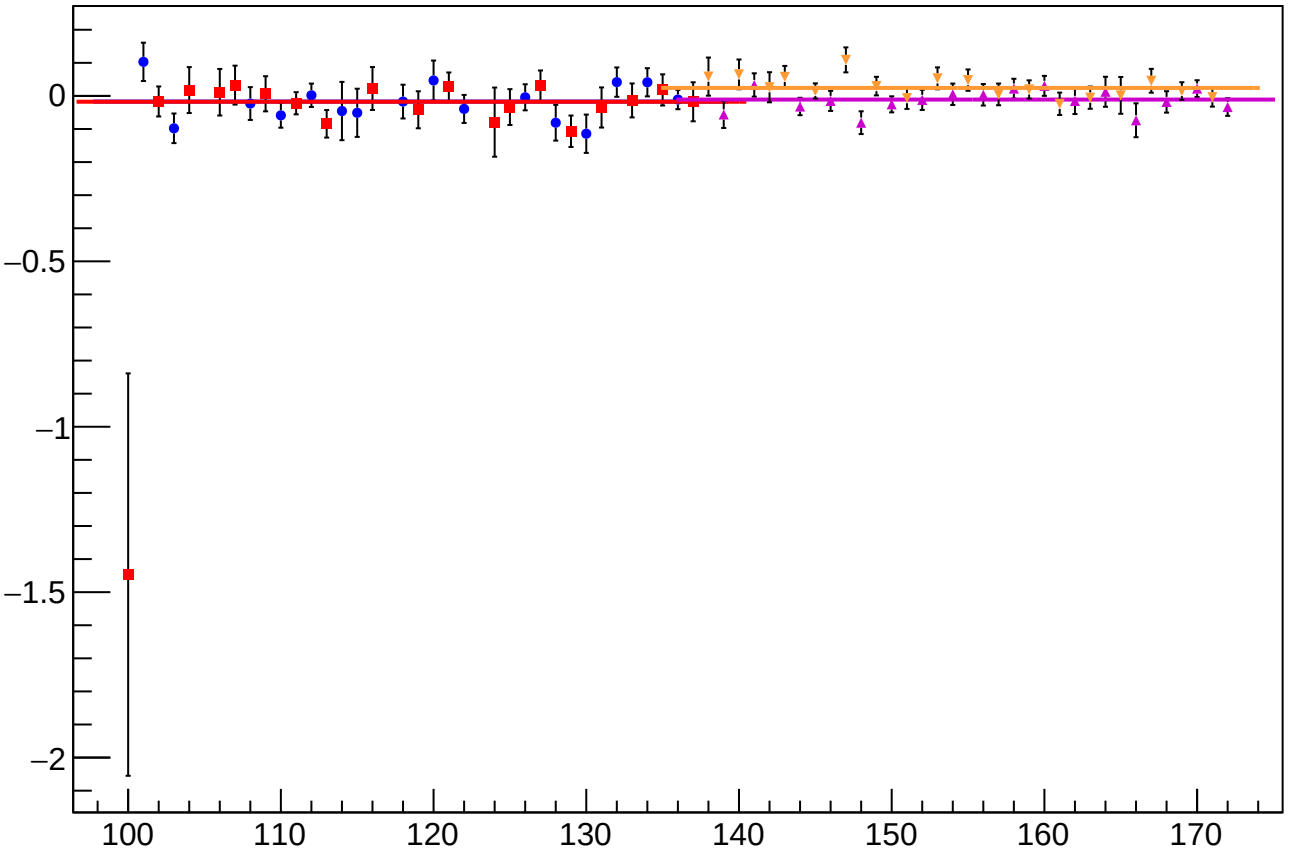
Left: 28.000+/-0.004 χ^2/NDF: 1614843.6/34

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.172+/-0.004 χ^2/NDF:1182934.9/32

Out: 29.293+/-0.005 χ^2/NDF:1688610.5/36

All: 28.716+/-0.003 χ^2/NDF: 2901881.9/69



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.024+/-0.008 χ^2/NDF:14.4/17

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: 0.006+/-0.005 χ^2/NDF: 40.6/34

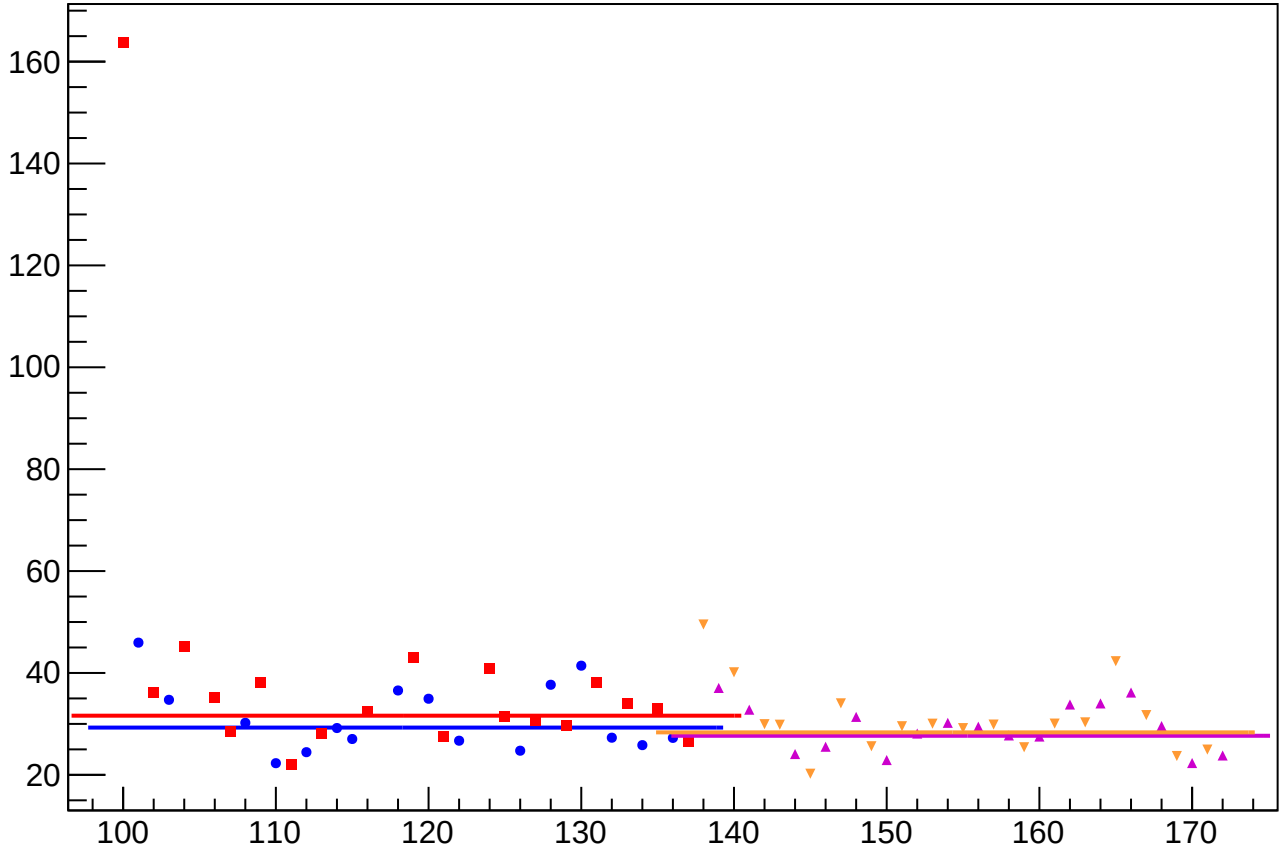
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:34.7/32

Out: 0.012+/-0.007 χ^2/NDF:39.7/36

All: -0.001+/-0.005 χ^2/NDF: 81.9/69

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 28.339+/-0.005 χ^2/NDF:1012651.2/17

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.670+/-0.005 χ^2/NDF:594639.0/16

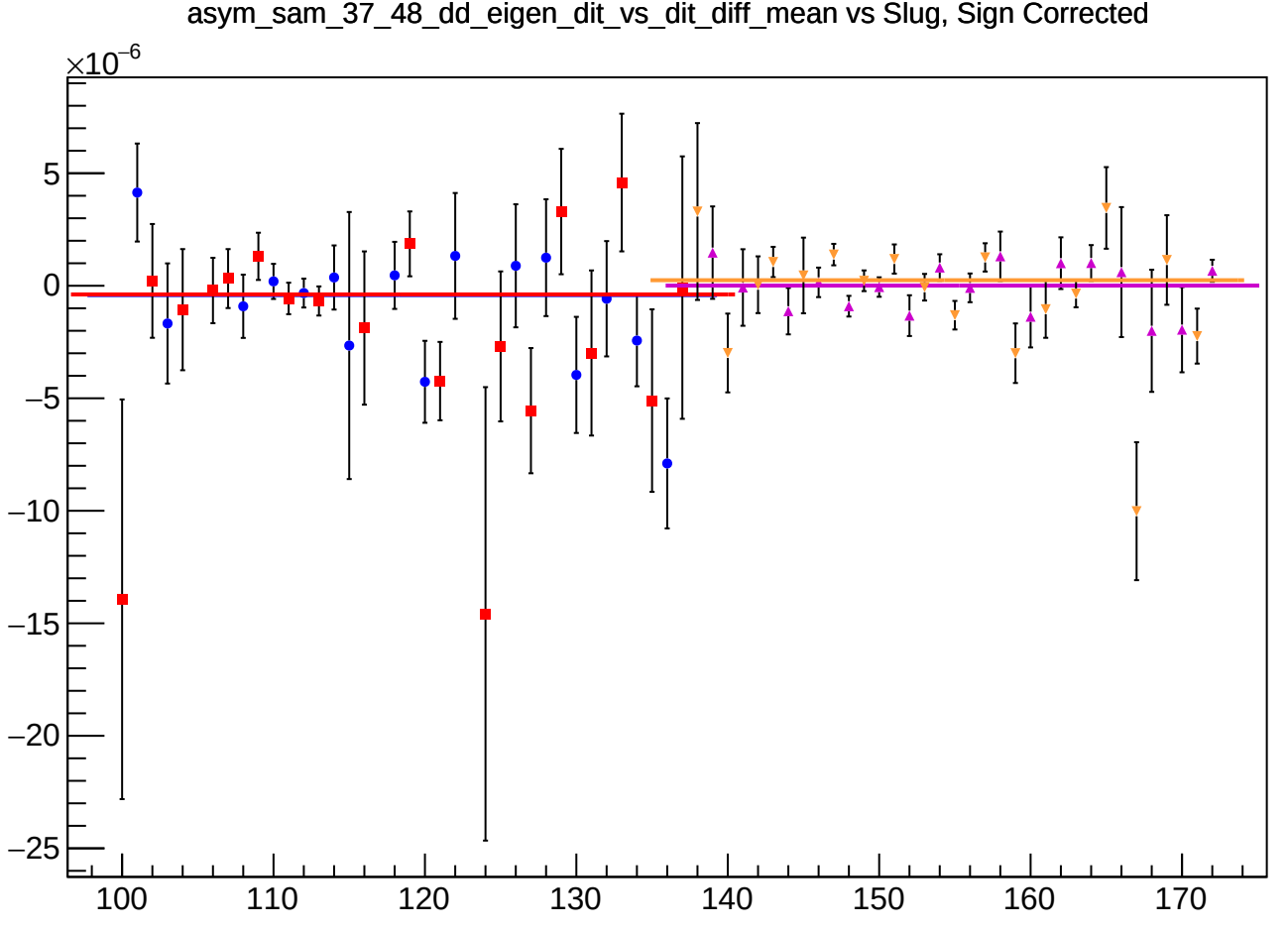
Left: 28.000+/-0.004 χ^2/NDF: 1614843.6/34

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.172+/-0.004 χ^2/NDF:1182934.9/32

Out: 29.293+/-0.005 χ^2/NDF:1688610.5/36

All: 28.716+/-0.003 χ^2/NDF: 2901881.9/69



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.9/17

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:18.1/16

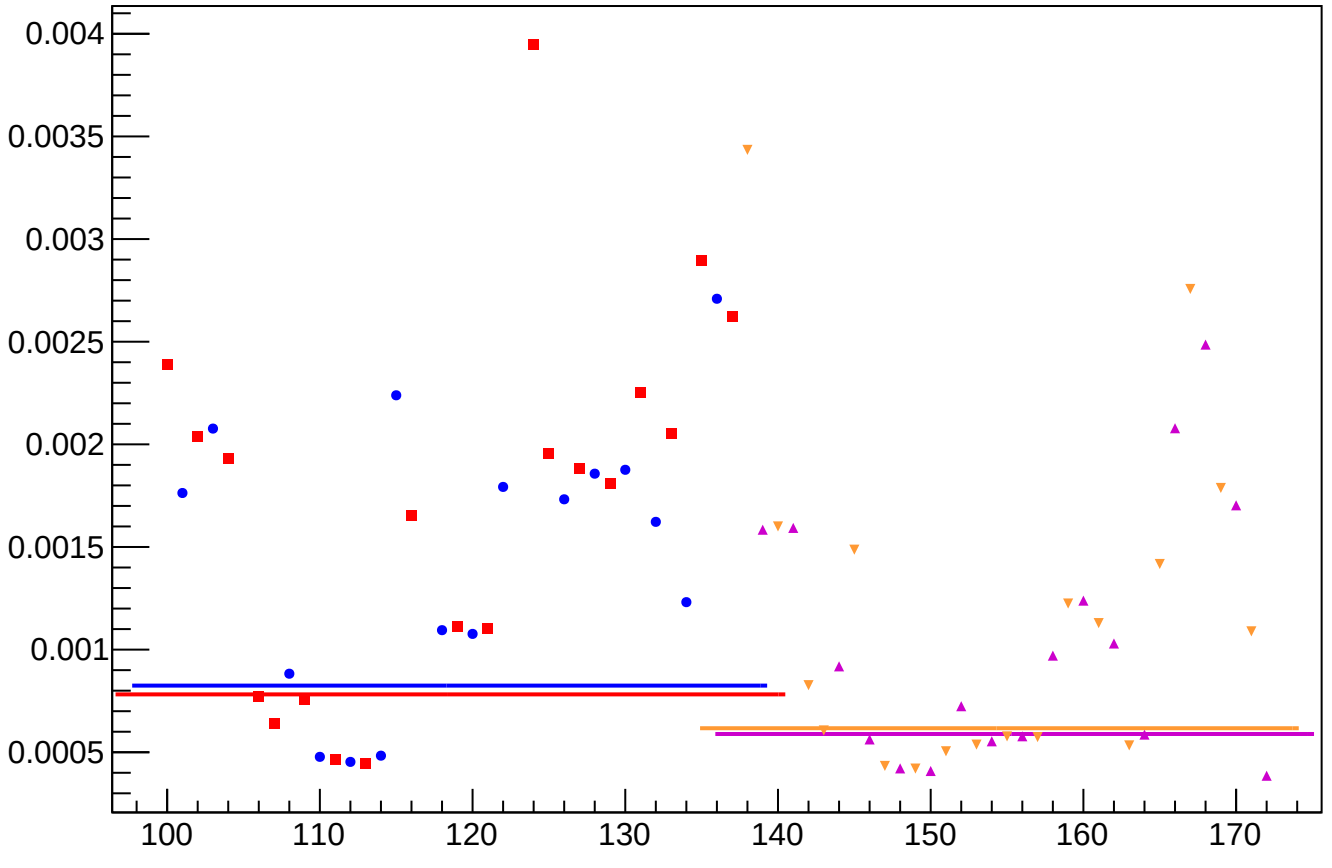
Left: 0.000+/-0.000 χ^2/NDF: 67.8/34

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:76.7/36

All: 0.000+/-0.000 χ^2/NDF: 117.7/69



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:6164381.7/17

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:5575505.1/16

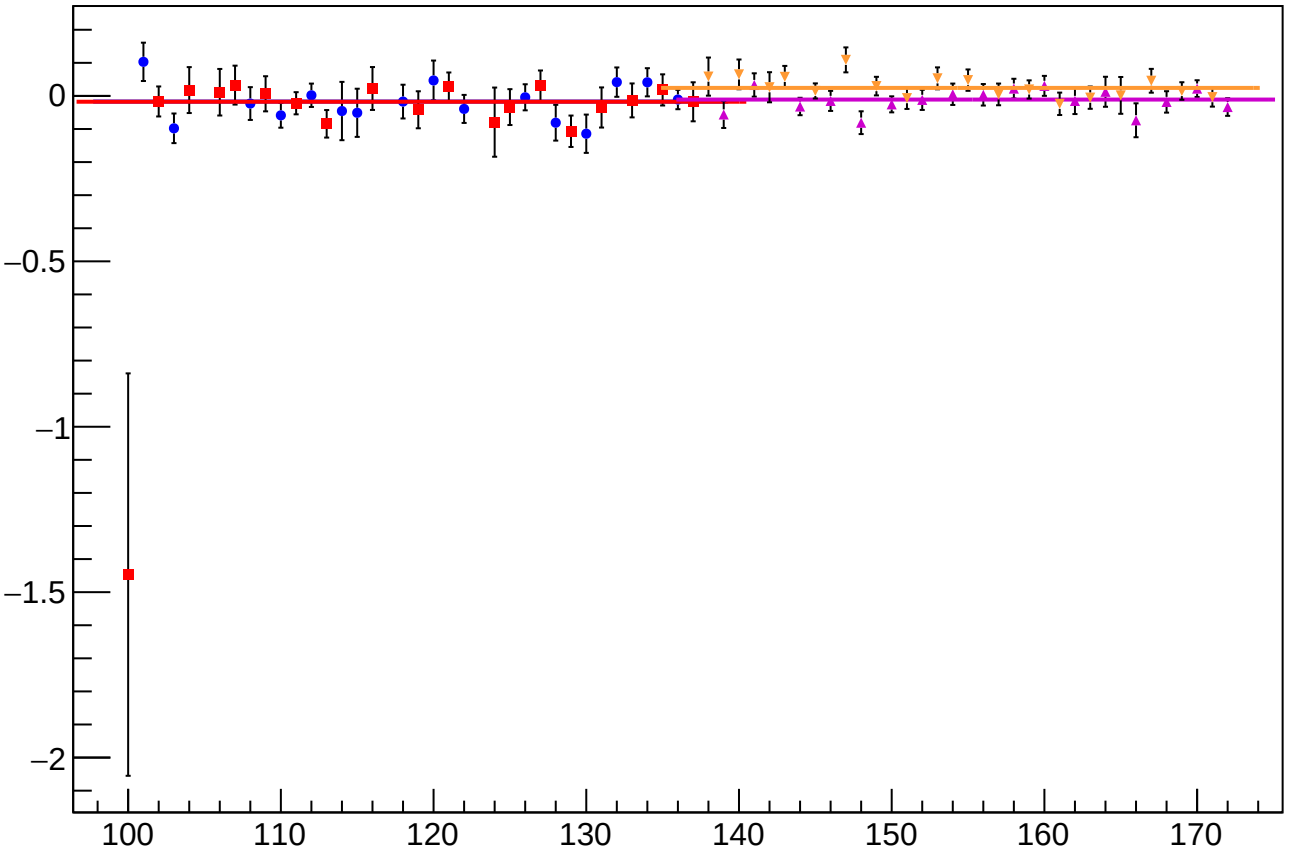
Left: 0.001+/-0.000 χ^2/NDF: 11762382.7/34

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:11149240.0/36

All: 0.001+/-0.000 χ^2/NDF: 21831503.0/69



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.024+/-0.008 χ^2/NDF:14.4/17

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: 0.006+/-0.005 χ^2/NDF: 40.6/34

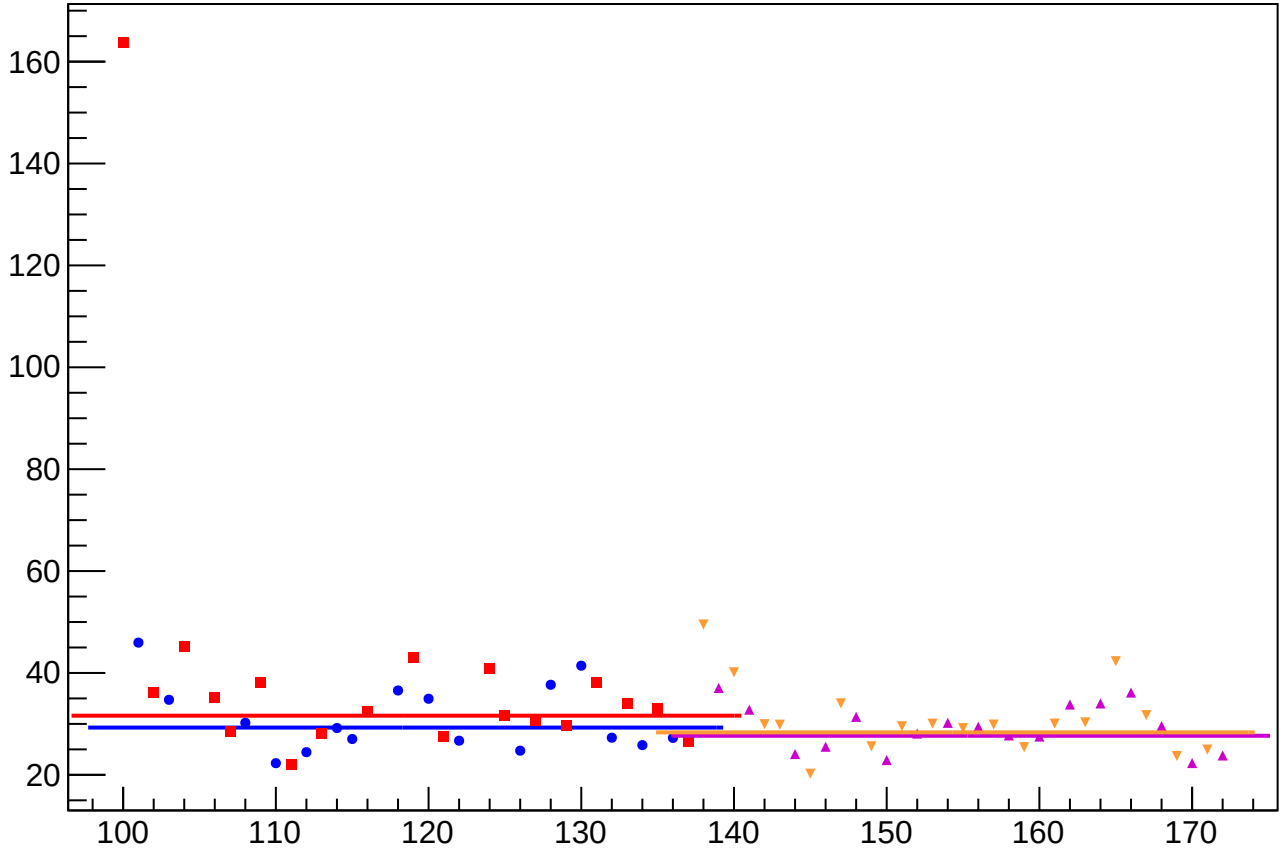
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:34.7/32

Out: 0.012+/-0.007 χ^2/NDF:39.7/36

All: -0.001+/-0.005 χ^2/NDF: 81.9/69

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.339+/-0.005 χ^2/NDF:1012717.9/17

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.670+/-0.005 χ^2/NDF:594627.2/16

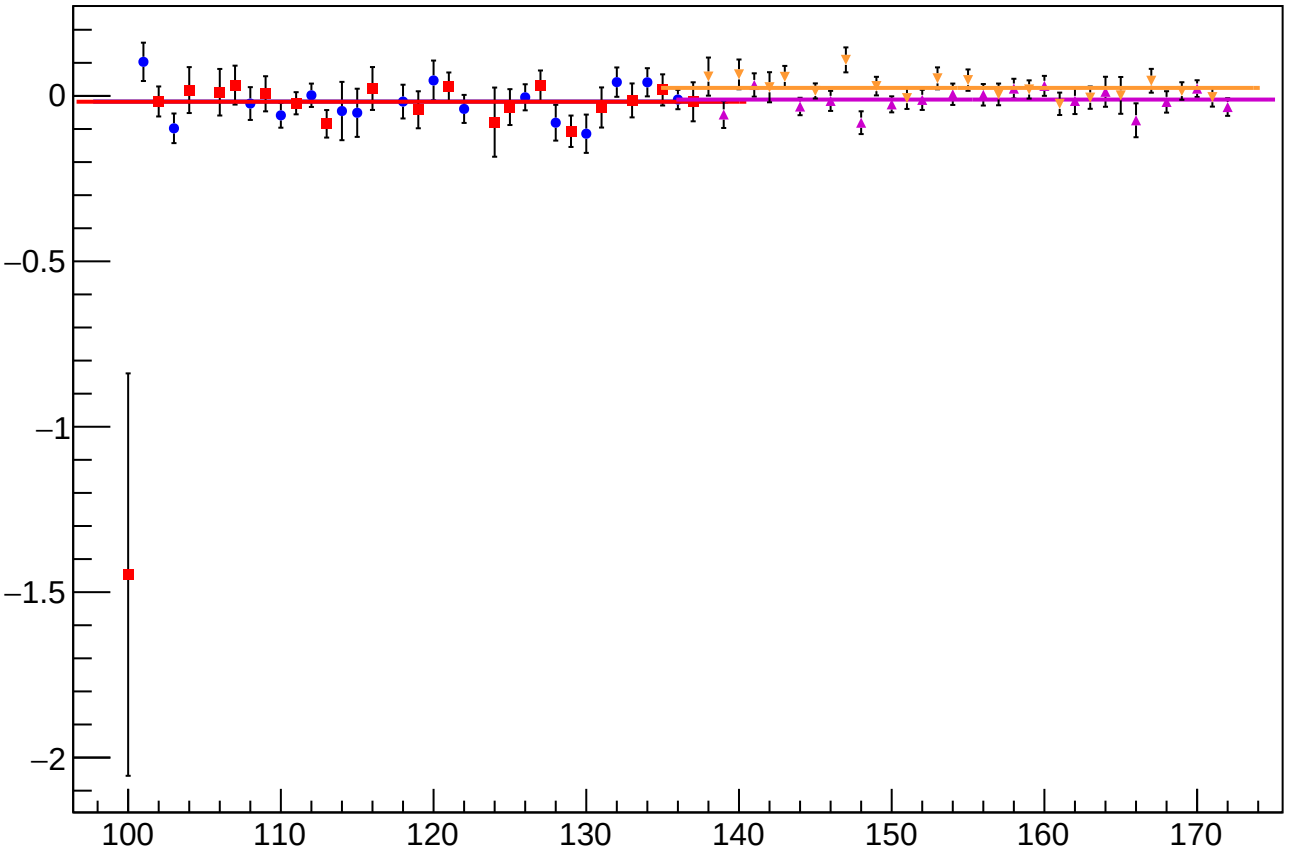
Left: 28.000+/-0.004 χ^2/NDF: 1614896.7/34

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.172+/-0.004 χ^2/NDF:1182931.9/32

Out: 29.293+/-0.005 χ^2/NDF:1688704.4/36

All: 28.716+/-0.003 χ^2/NDF: 2901970.7/69



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.024+/-0.008 χ^2/NDF:14.4/17

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: 0.006+/-0.005 χ^2/NDF: 40.6/34

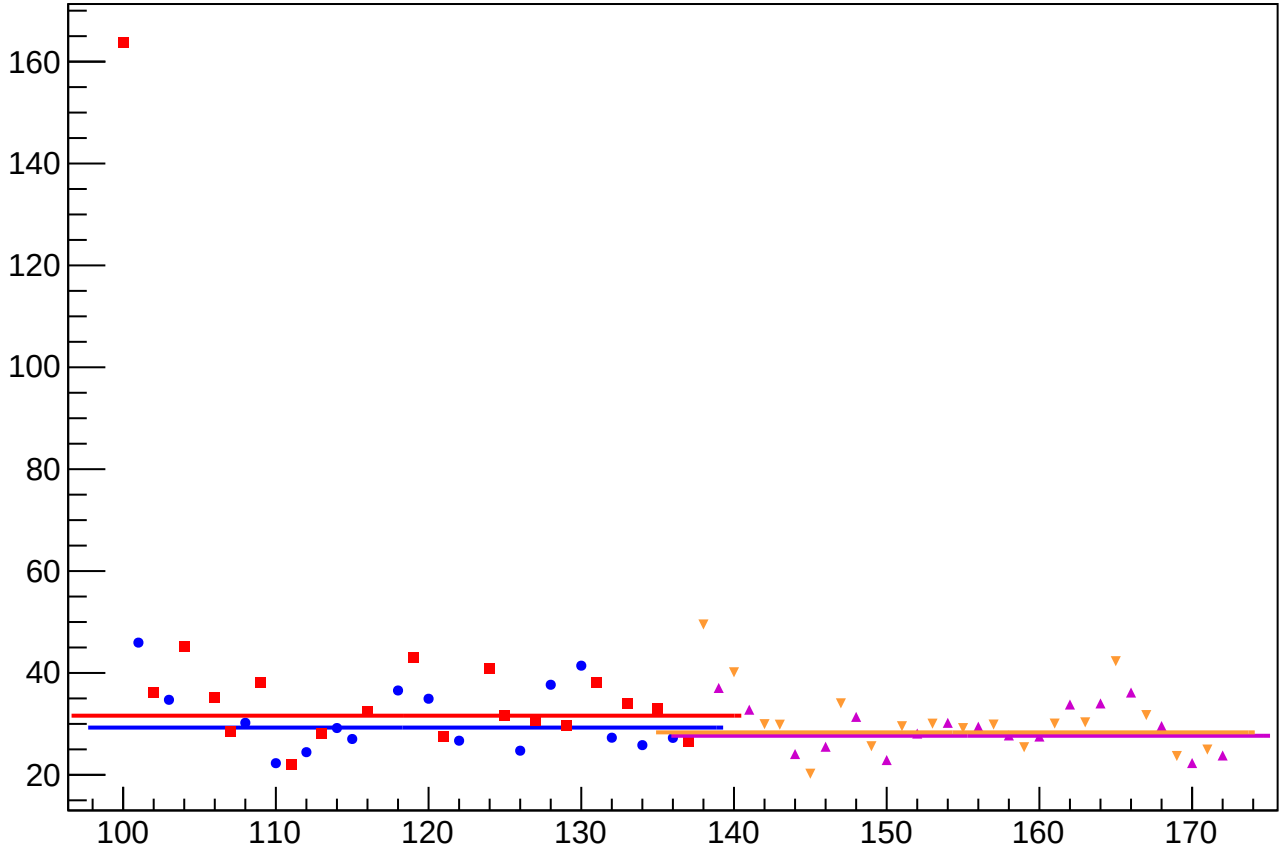
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.013+/-0.006 χ^2/NDF:34.7/32

Out: 0.012+/-0.007 χ^2/NDF:39.7/36

All: -0.001+/-0.005 χ^2/NDF: 81.9/69

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 28.339+/-0.005 χ^2/NDF:1012717.9/17

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.670+/-0.005 χ^2/NDF:594627.2/16

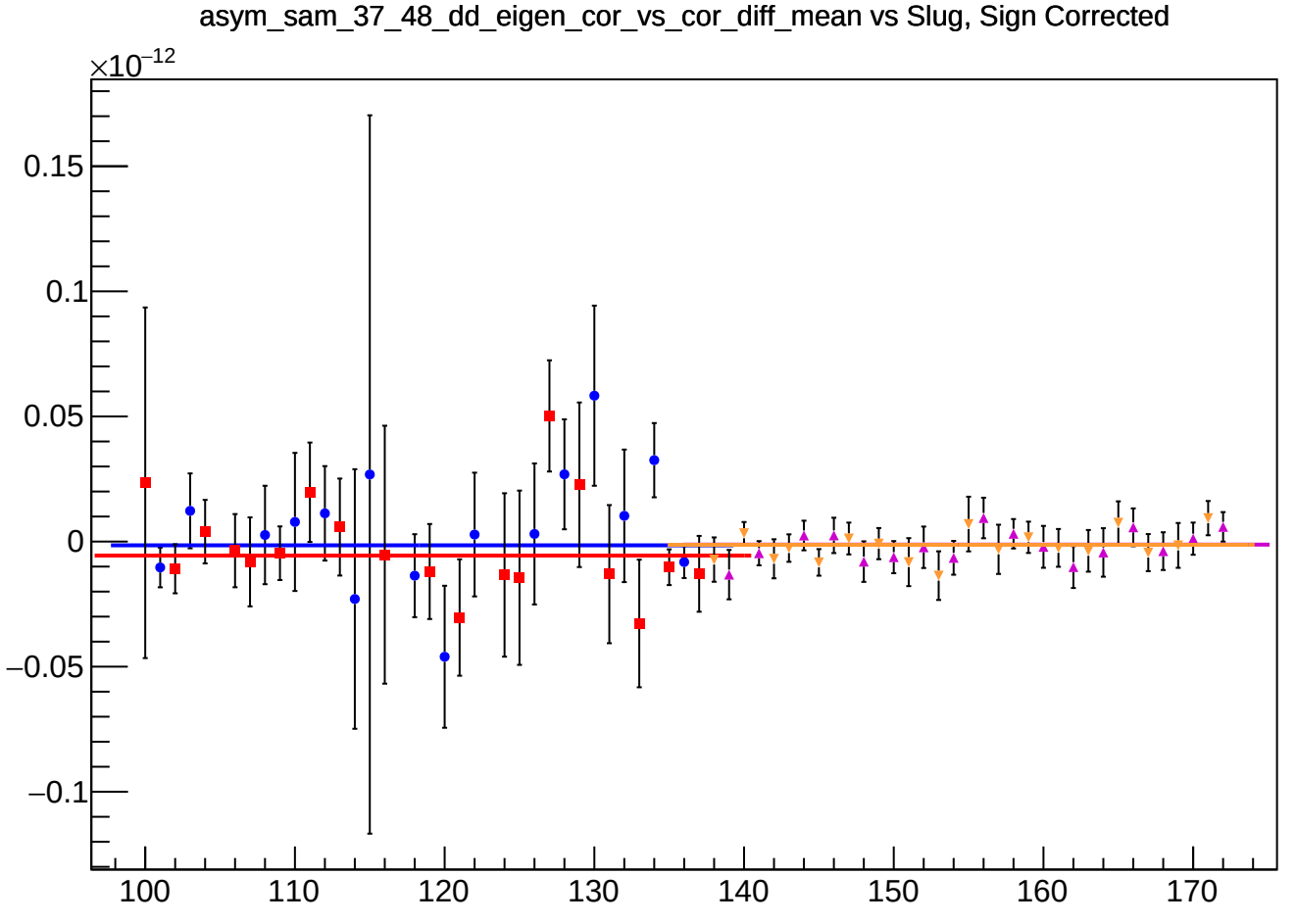
Left: 28.000+/-0.004 χ^2/NDF: 1614896.7/34

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.172+/-0.004 χ^2/NDF:1182931.9/32

Out: 29.293+/-0.005 χ^2/NDF:1688704.4/36

All: 28.716+/-0.003 χ^2/NDF: 2901970.7/69



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:10.7/17

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: -0.000+/-0.000 χ^2/NDF:10.6/16

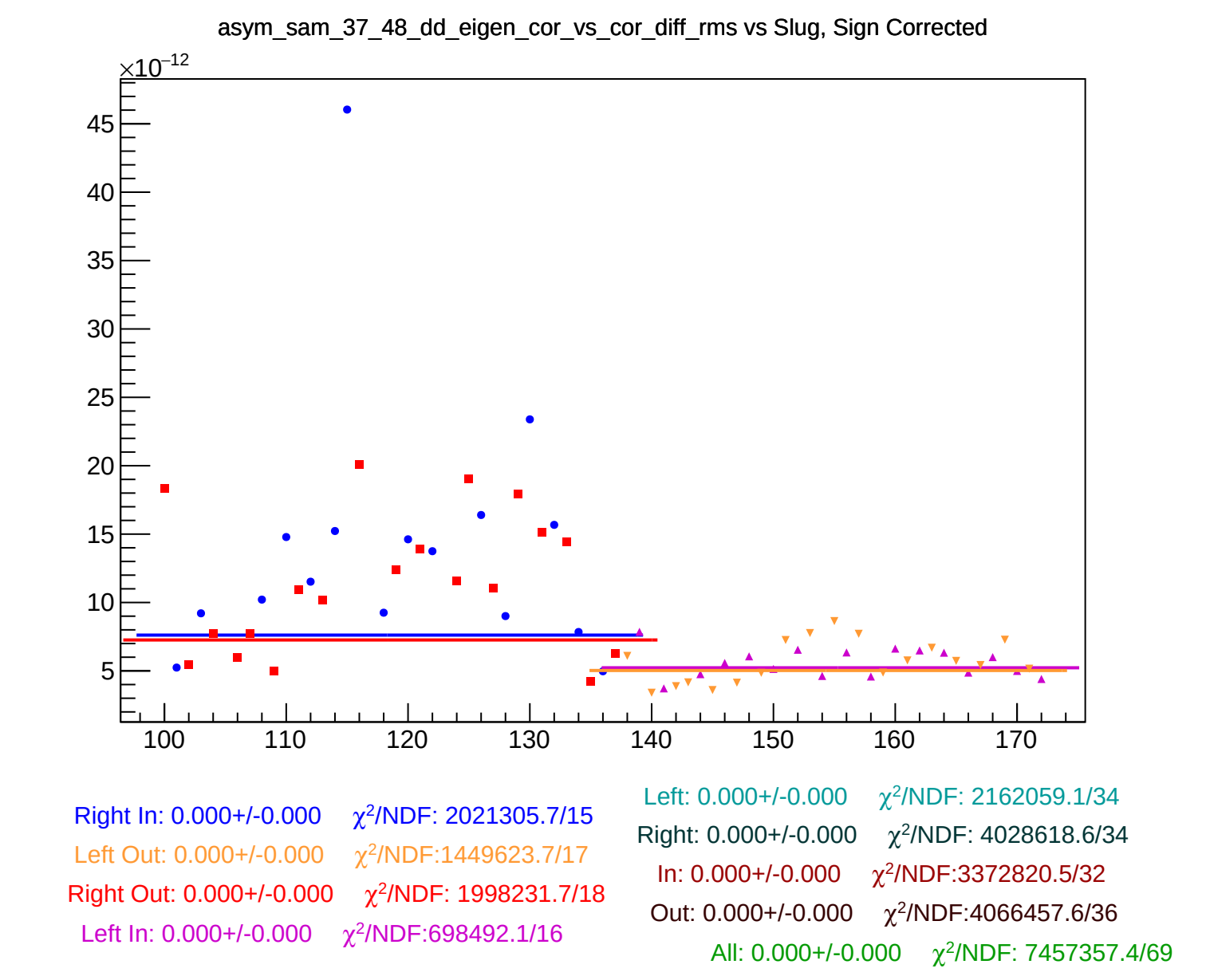
Left: -0.000+/-0.000 χ^2/NDF: 21.4/34

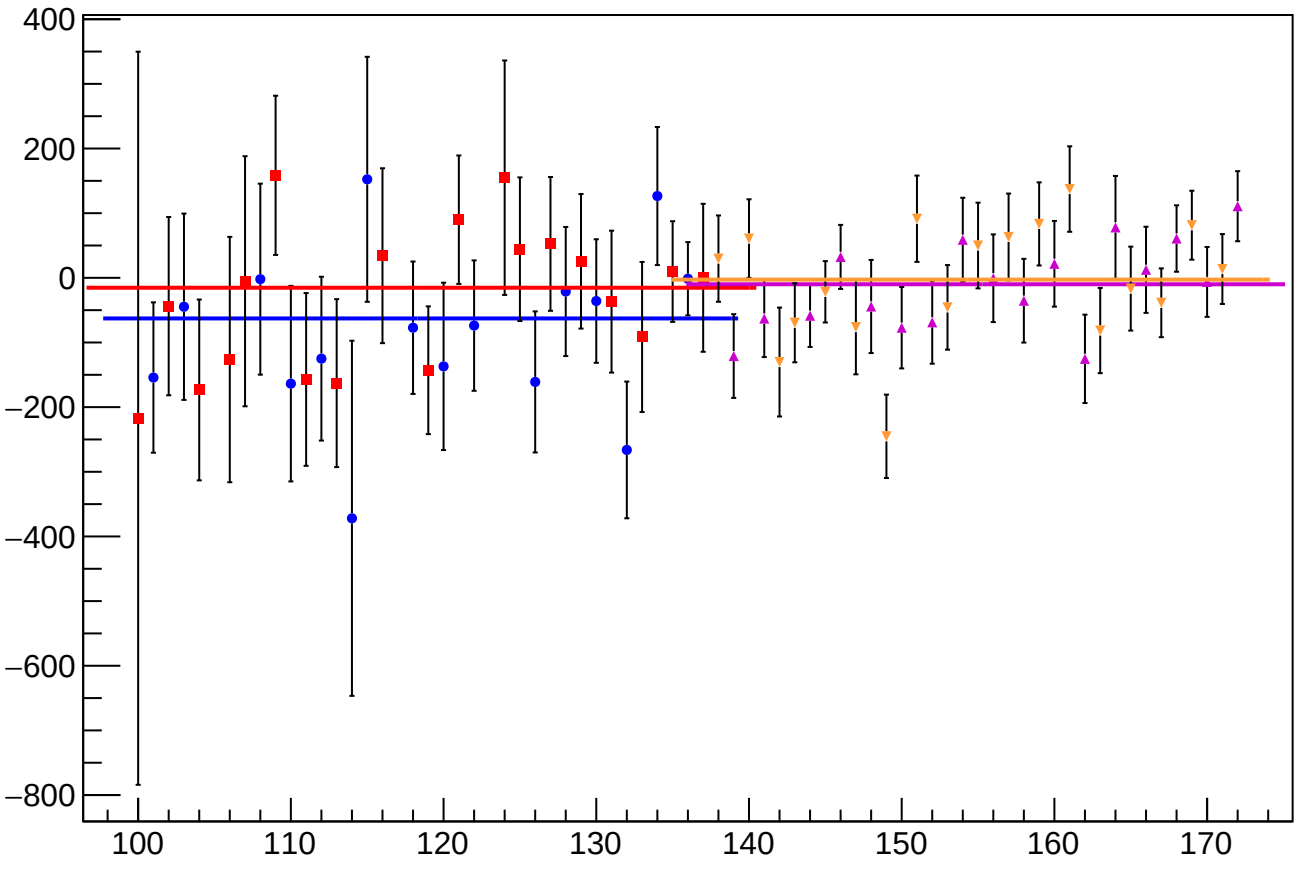
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:27.6/32

Out: -0.000+/-0.000 χ^2/NDF:25.2/36

All: -0.000+/-0.000 χ^2/NDF: 52.9/69


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
45
40
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2021305.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1449623.7/17
Right Out: 0.000+/-0.000 χ²/NDF: 1998231.7/18
Left In: 0.000+/-0.000 χ²/NDF:698492.1/16
Left: 0.000+/-0.000 χ²/NDF: 2162059.1/34
Right: 0.000+/-0.000 χ²/NDF: 4028618.6/34
In: 0.000+/-0.000 χ²/NDF:3372820.5/32
Out: 0.000+/-0.000 χ²/NDF:4066457.6/36
All: 0.000+/-0.000 χ²/NDF: 7457357.4/69



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: -2.738+/-14.635 χ^2/NDF:34.9/17

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: -6.326+/-10.374 χ^2/NDF: 55.3/34

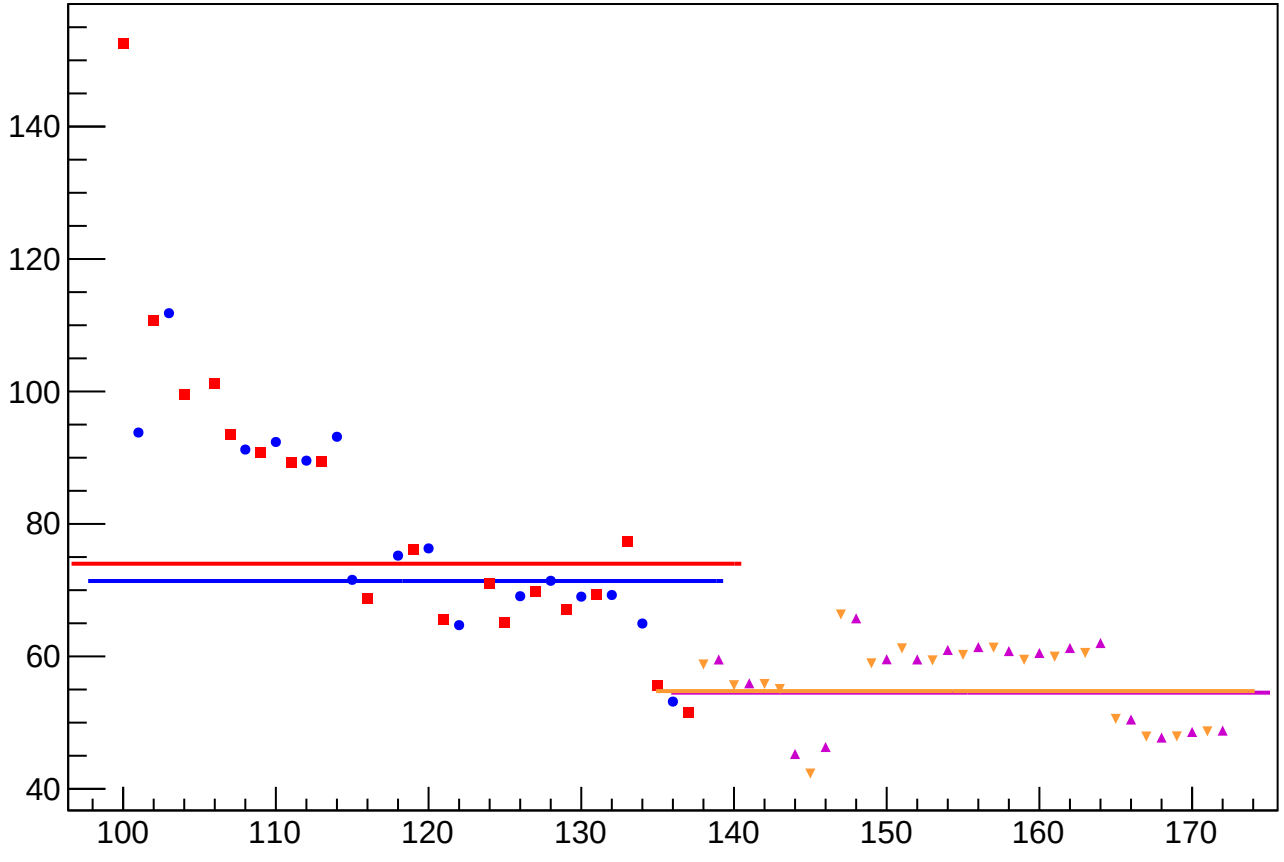
Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -21.894+/-12.938 χ^2/NDF:36.7/32

Out: -5.466+/-12.947 χ^2/NDF:46.5/36

All: -13.686+/-9.152 χ^2/NDF: 84.0/69

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 54.761+/-0.010 χ^2/NDF:404218.5/17

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 54.525+/-0.010 χ^2/NDF:416433.8/16

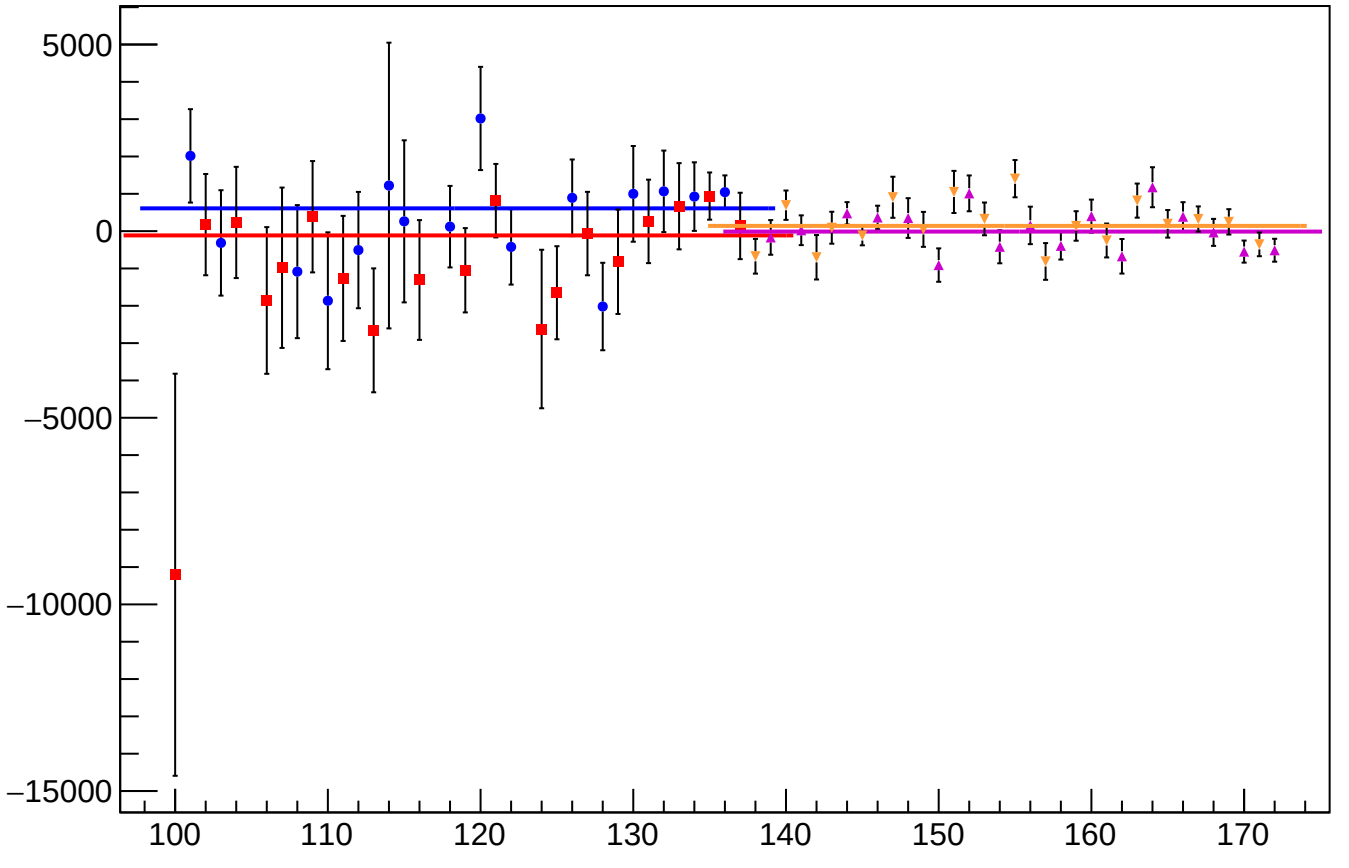
Left: 54.644+/-0.007 χ^2/NDF: 820911.7/34

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 58.336+/-0.009 χ^2/NDF:1601386.3/32

Out: 58.942+/-0.009 χ^2/NDF:1793411.3/36

All: 58.639+/-0.006 χ^2/NDF: 3396993.7/69



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 140.691+/-95.883 χ^2/NDF:28.7/17

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: -12.032+/-94.900 χ^2/NDF:30.1/16

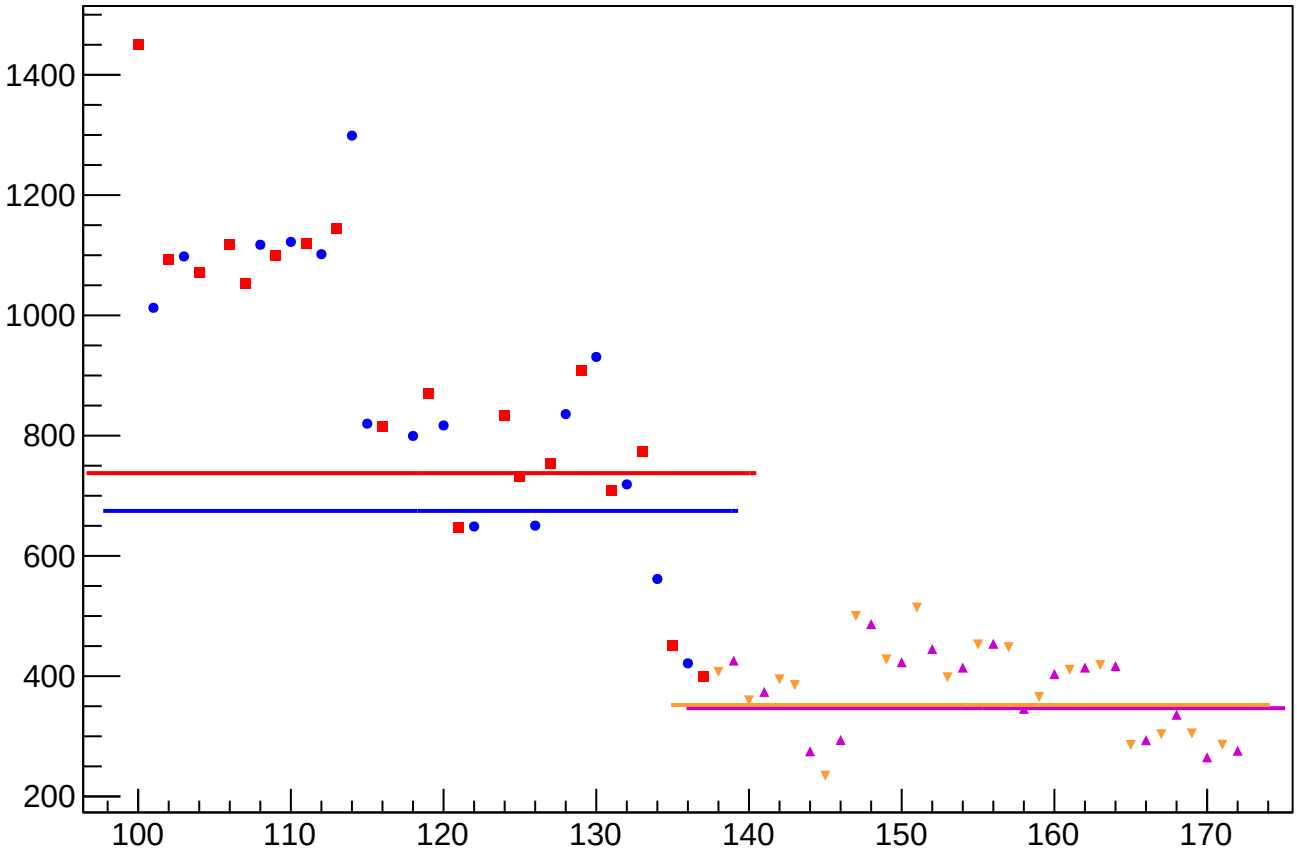
Left: 63.543+/-67.449 χ^2/NDF: 60.1/34

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 57.892+/-89.413 χ^2/NDF:50.7/32

Out: 114.617+/-90.855 χ^2/NDF:45.0/36

All: 85.801+/-63.728 χ^2/NDF: 95.9/69



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 352.104+/-0.068 χ^2/NDF:1298773.0/17

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 346.784+/-0.067 χ^2/NDF:1064370.8/16

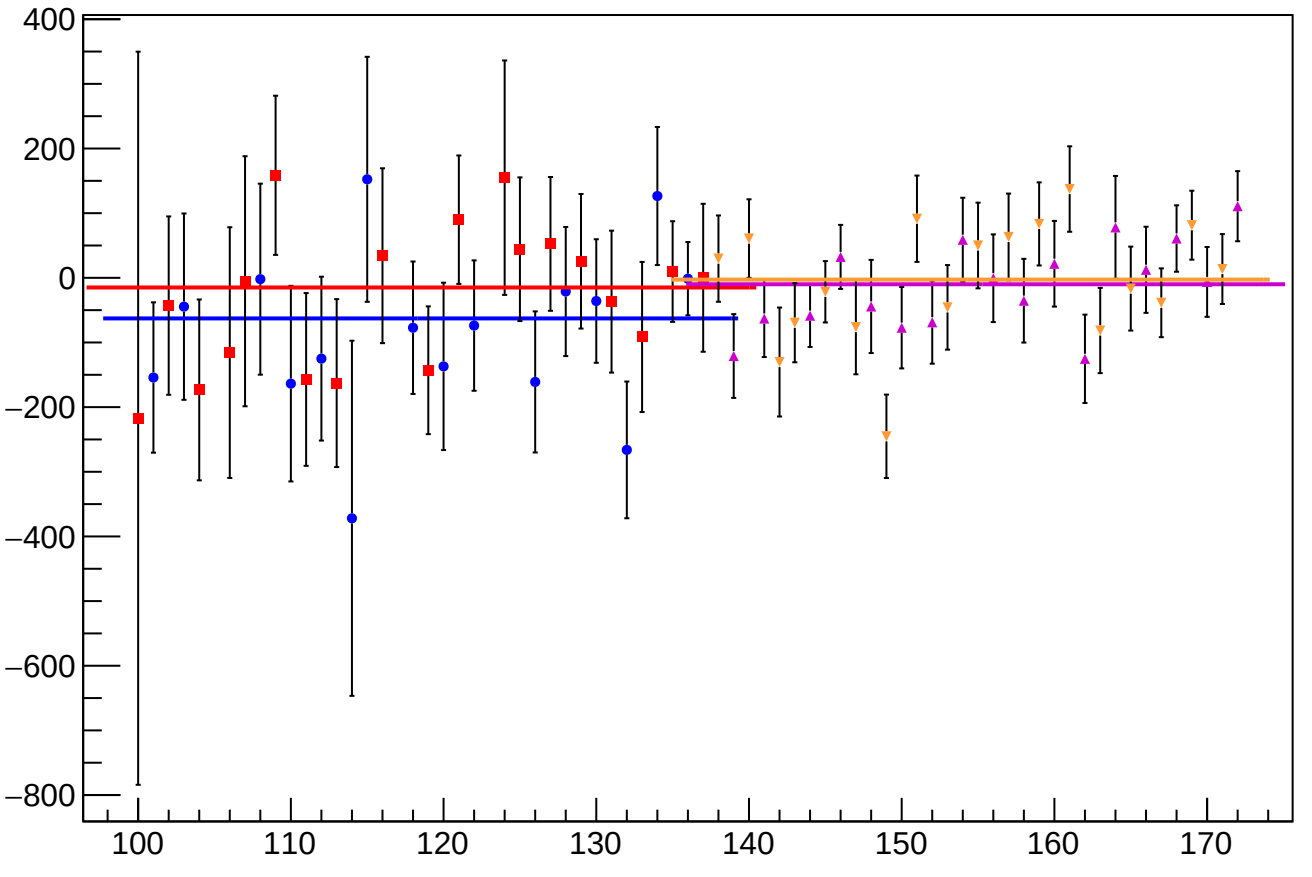
Left: 349.416+/-0.048 χ^2/NDF: 2366253.6/34

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 383.627+/-0.063 χ^2/NDF:5365971.9/32

Out: 391.478+/-0.064 χ^2/NDF:6118197.3/36

All: 387.490+/-0.045 χ^2/NDF: 11491756.3/69



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -2.738+/-14.635 χ^2/NDF:34.9/17

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -9.949+/-14.706 χ^2/NDF:20.3/16

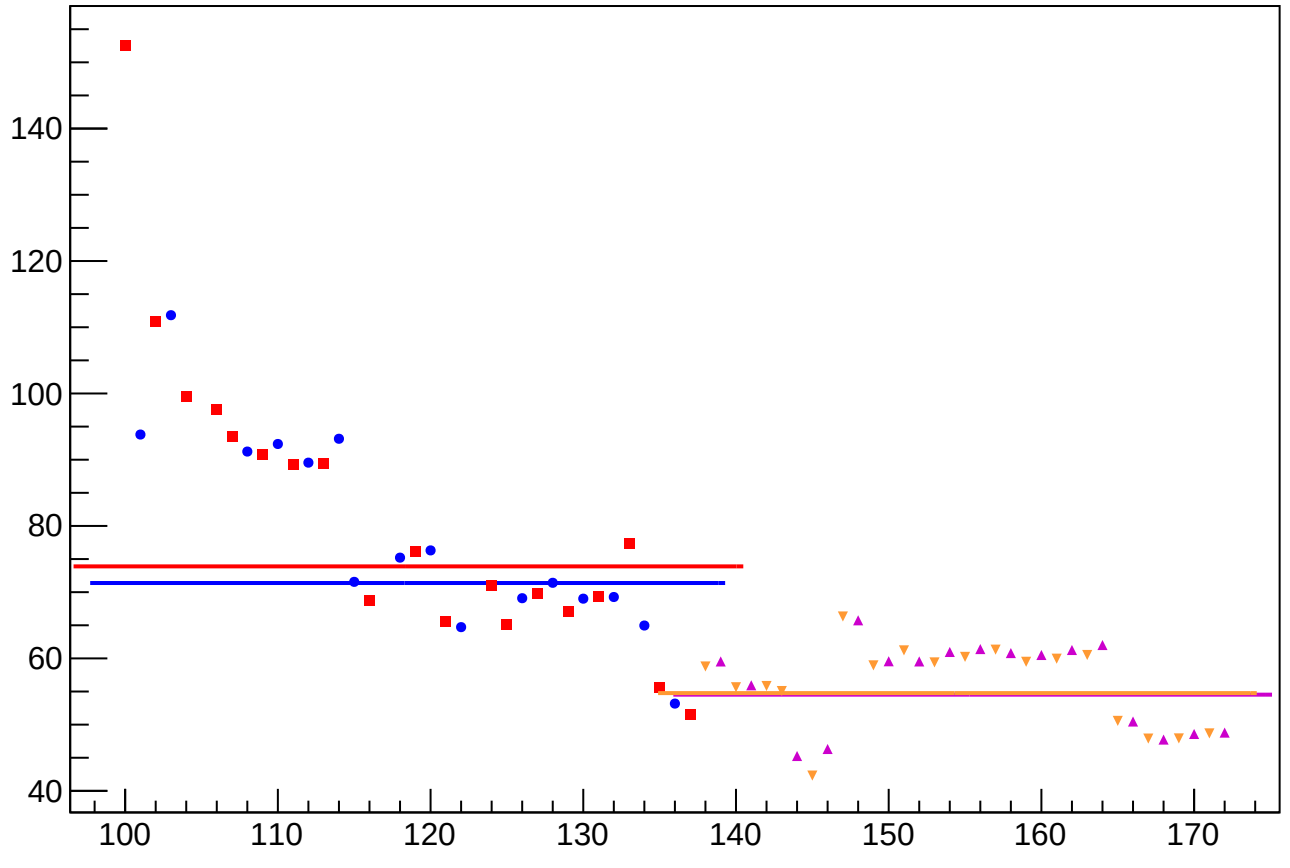
Left: -6.326+/-10.374 χ^2/NDF: 55.3/34

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -21.893+/-12.938 χ^2/NDF:36.7/32

Out: -5.387+/-12.949 χ^2/NDF:46.5/36

All: -13.647+/-9.152 χ^2/NDF: 83.9/69



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 54.761+/-0.010 χ^2/NDF:404218.5/17

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 54.525+/-0.010 χ^2/NDF:416433.8/16

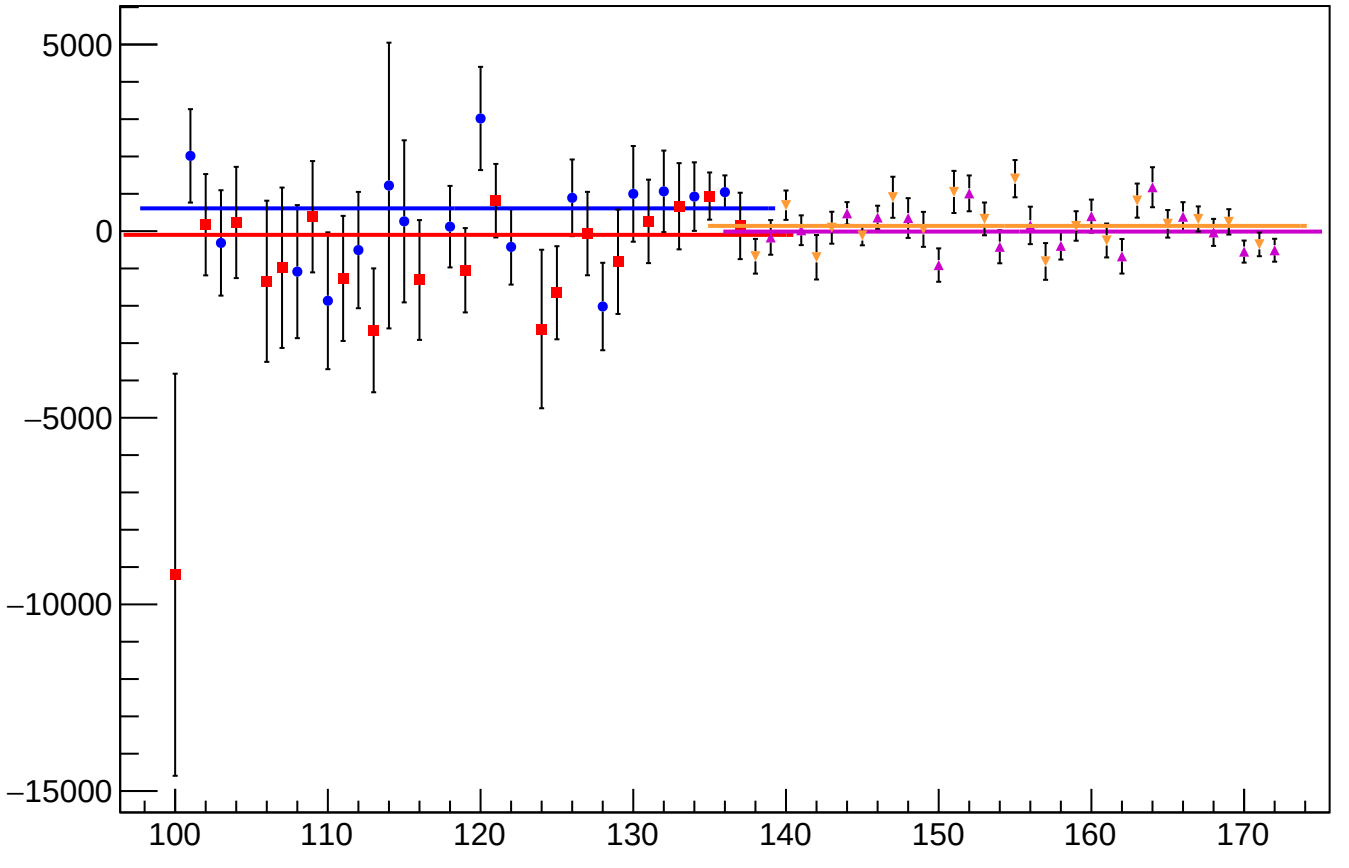
Left: 54.644+/-0.007 χ^2/NDF: 820911.7/34

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 58.336+/-0.009 χ^2/NDF:1601388.9/32

Out: 58.917+/-0.009 χ^2/NDF:1773658.6/36

All: 58.626+/-0.006 χ^2/NDF: 3377067.6/69



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 140.689+/-95.883 χ^2/NDF:28.7/17

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -12.034+/-94.900 χ^2/NDF:30.1/16

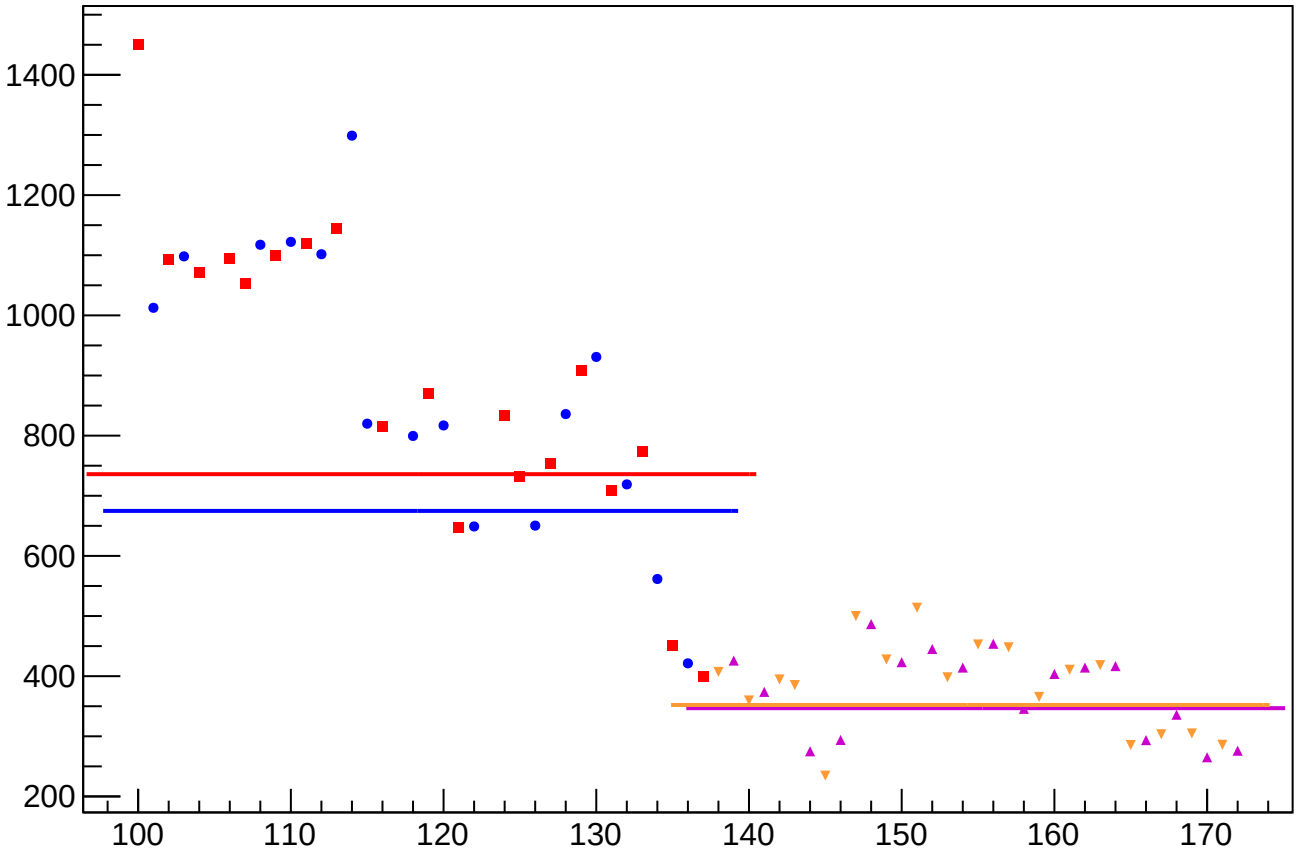
Left: 63.541+/-67.449 χ^2/NDF: 60.1/34

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 57.888+/-89.413 χ^2/NDF:50.7/32

Out: 116.235+/-90.872 χ^2/NDF:44.5/36

All: 86.589+/-63.734 χ^2/NDF: 95.3/69



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 352.104+/-0.068 χ^2/NDF:1298775.2/17

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 346.784+/-0.067 χ^2/NDF:1064376.4/16

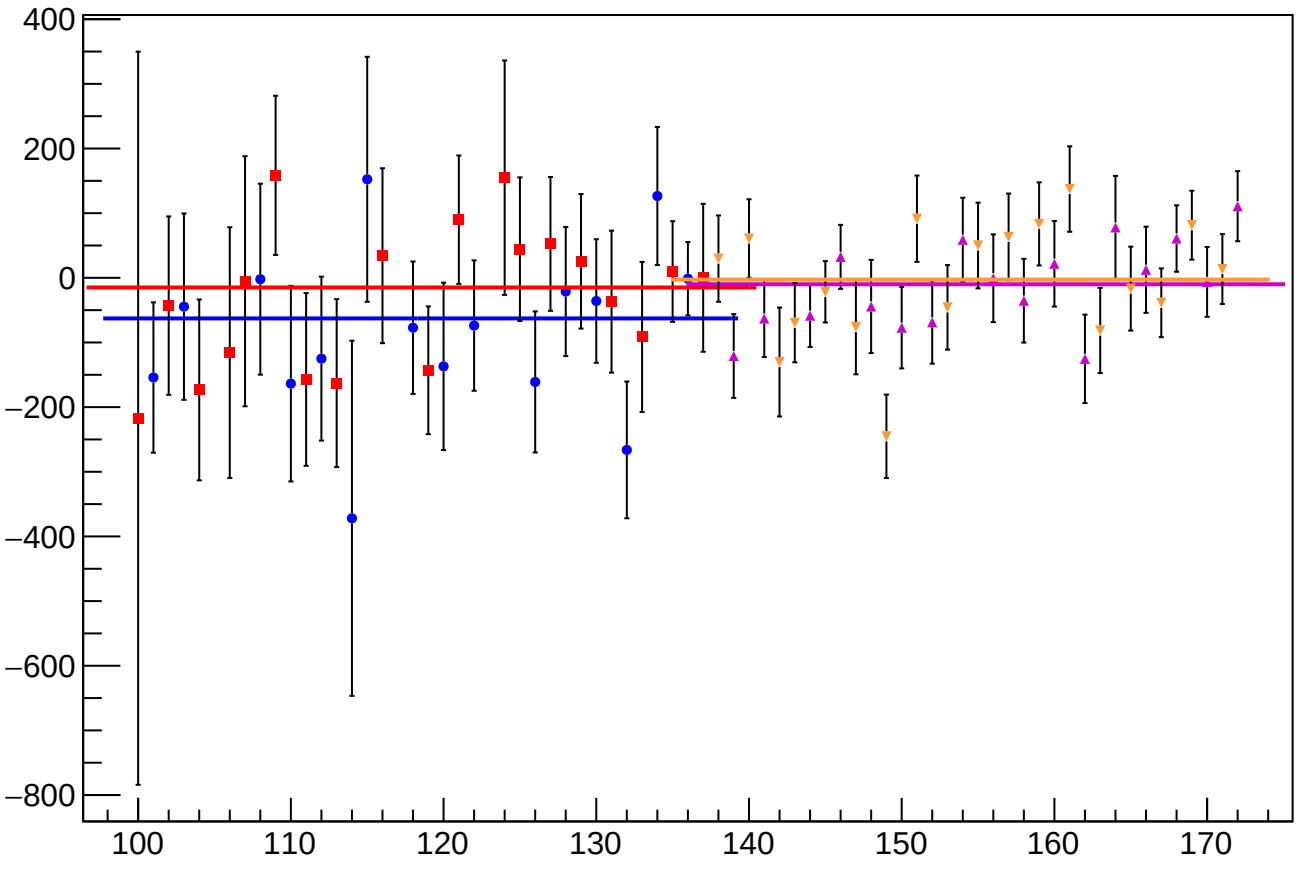
Left: 349.417+/-0.048 χ^2/NDF: 2366261.3/34

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 383.627+/-0.063 χ^2/NDF:5365999.1/32

Out: 391.171+/-0.064 χ^2/NDF:6057727.9/36

All: 387.338+/-0.045 χ^2/NDF: 11430730.3/69



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: -2.738+/-14.635 χ^2/NDF:34.9/17

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -9.949+/-14.706 χ^2/NDF:20.3/16

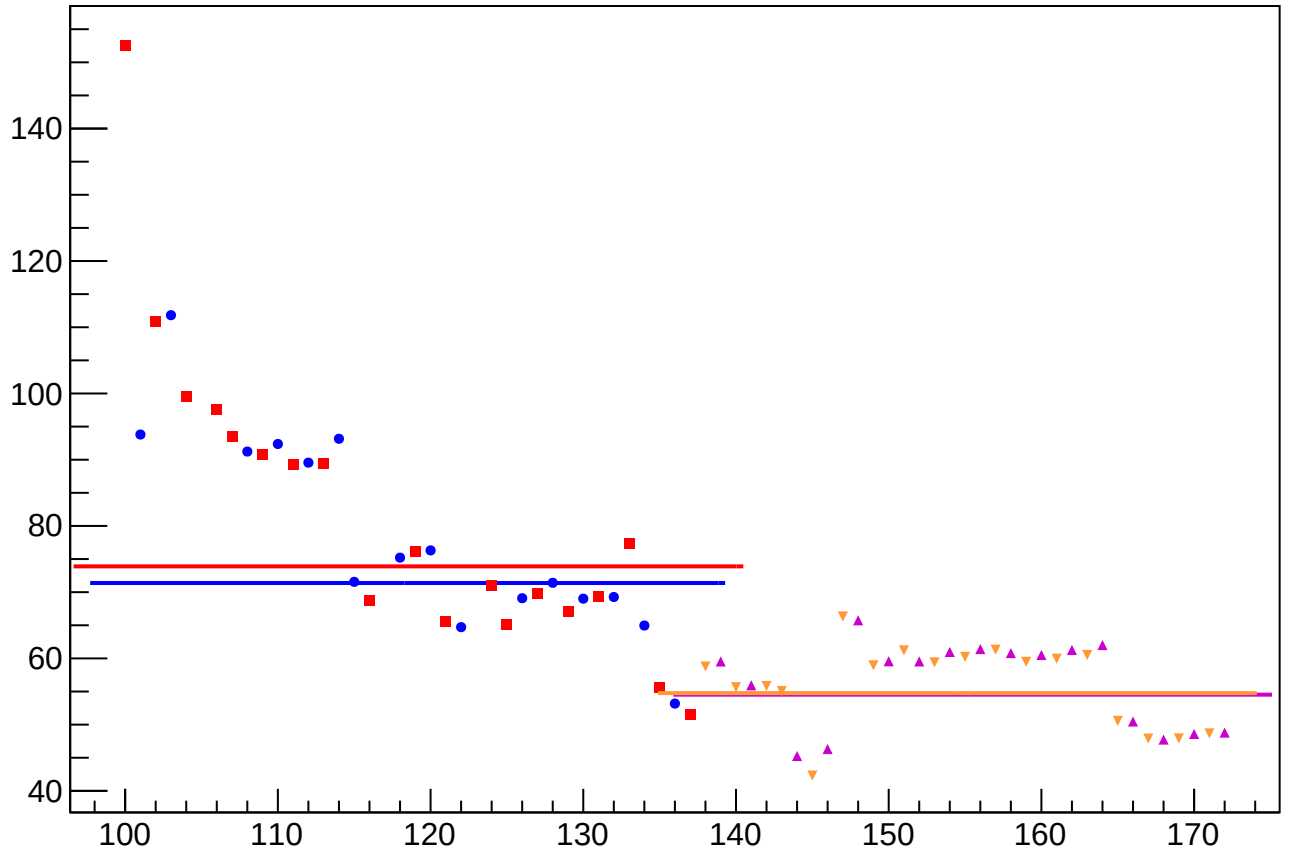
Left: -6.326+/-10.374 χ^2/NDF: 55.3/34

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -21.893+/-12.938 χ^2/NDF:36.7/32

Out: -5.387+/-12.949 χ^2/NDF:46.5/36

All: -13.647+/-9.152 χ^2/NDF: 83.9/69



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 54.761+/-0.010 χ^2/NDF:404218.5/17

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: 54.644+/-0.007 χ^2/NDF: 820911.7/34

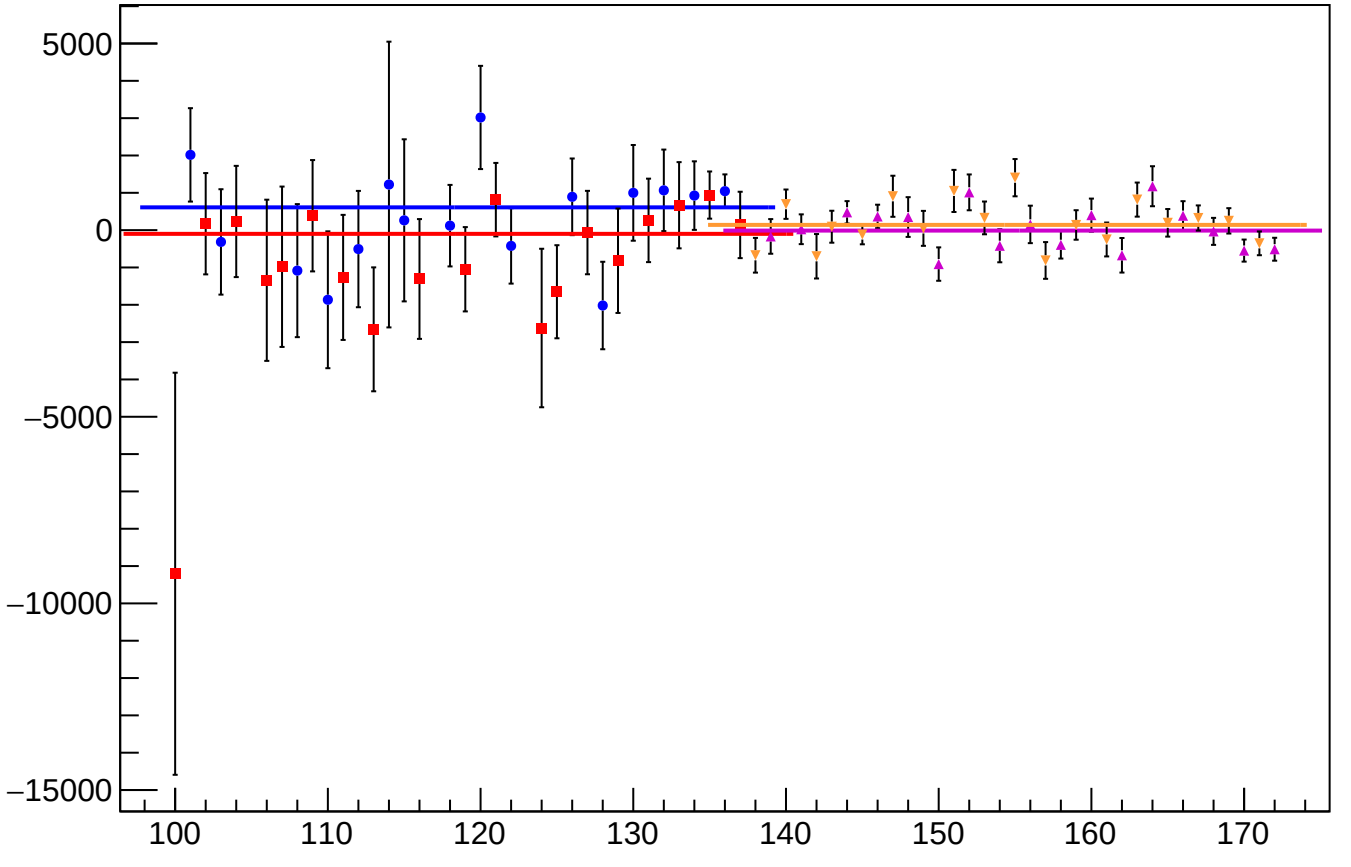
Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 58.336+/-0.009 χ^2/NDF:1601388.9/32

Out: 58.917+/-0.009 χ^2/NDF:1773658.6/36

All: 58.626+/-0.006 χ^2/NDF: 3377067.6/69

asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 140.689+/-95.883 χ^2/NDF:28.7/17

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -12.034+/-94.900 χ^2/NDF:30.1/16

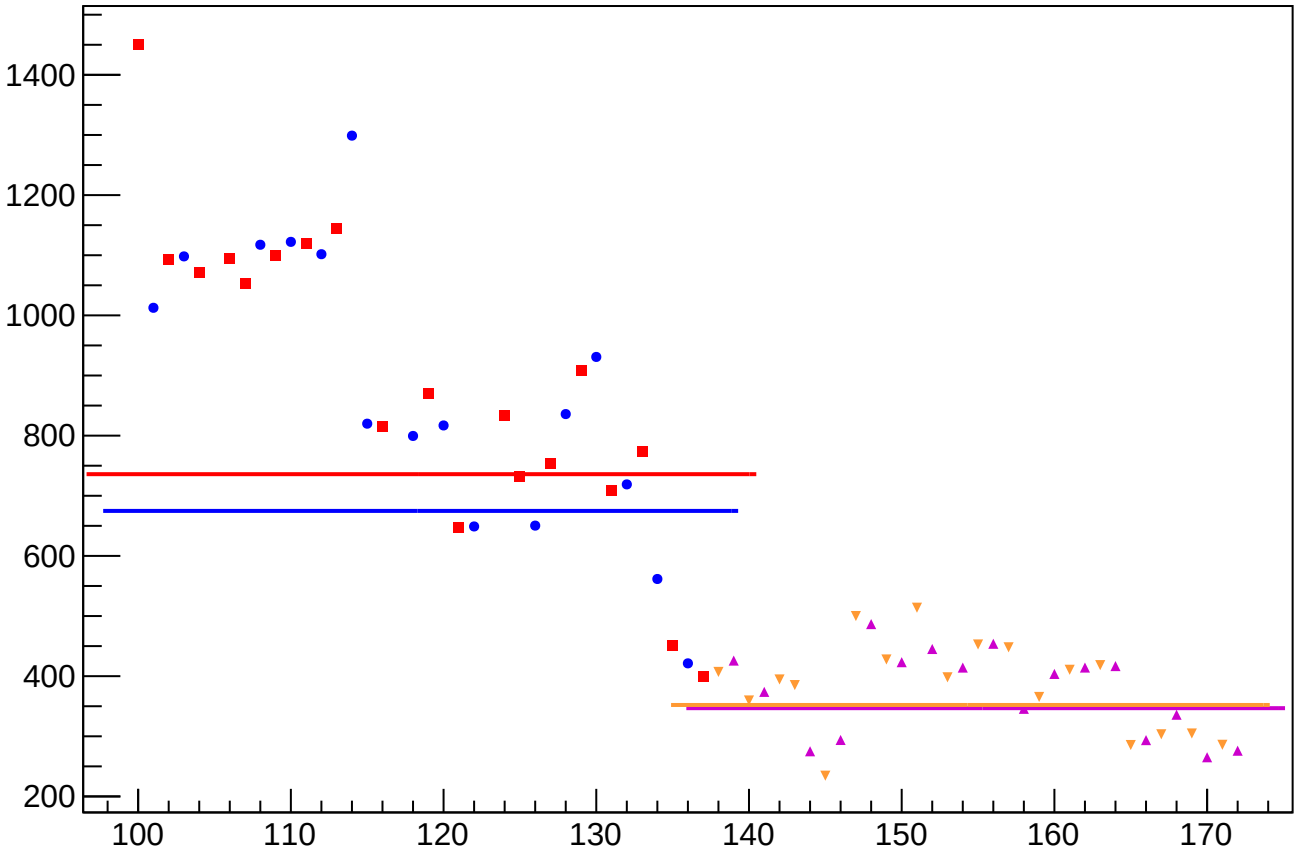
Left: 63.541+/-67.449 χ^2/NDF: 60.1/34

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 57.888+/-89.413 χ^2/NDF:50.7/32

Out: 116.235+/-90.872 χ^2/NDF:44.5/36

All: 86.589+/-63.734 χ^2/NDF: 95.3/69



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 352.104+/-0.068 χ^2/NDF:1298775.2/17

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 346.784+/-0.067 χ^2/NDF:1064376.4/16

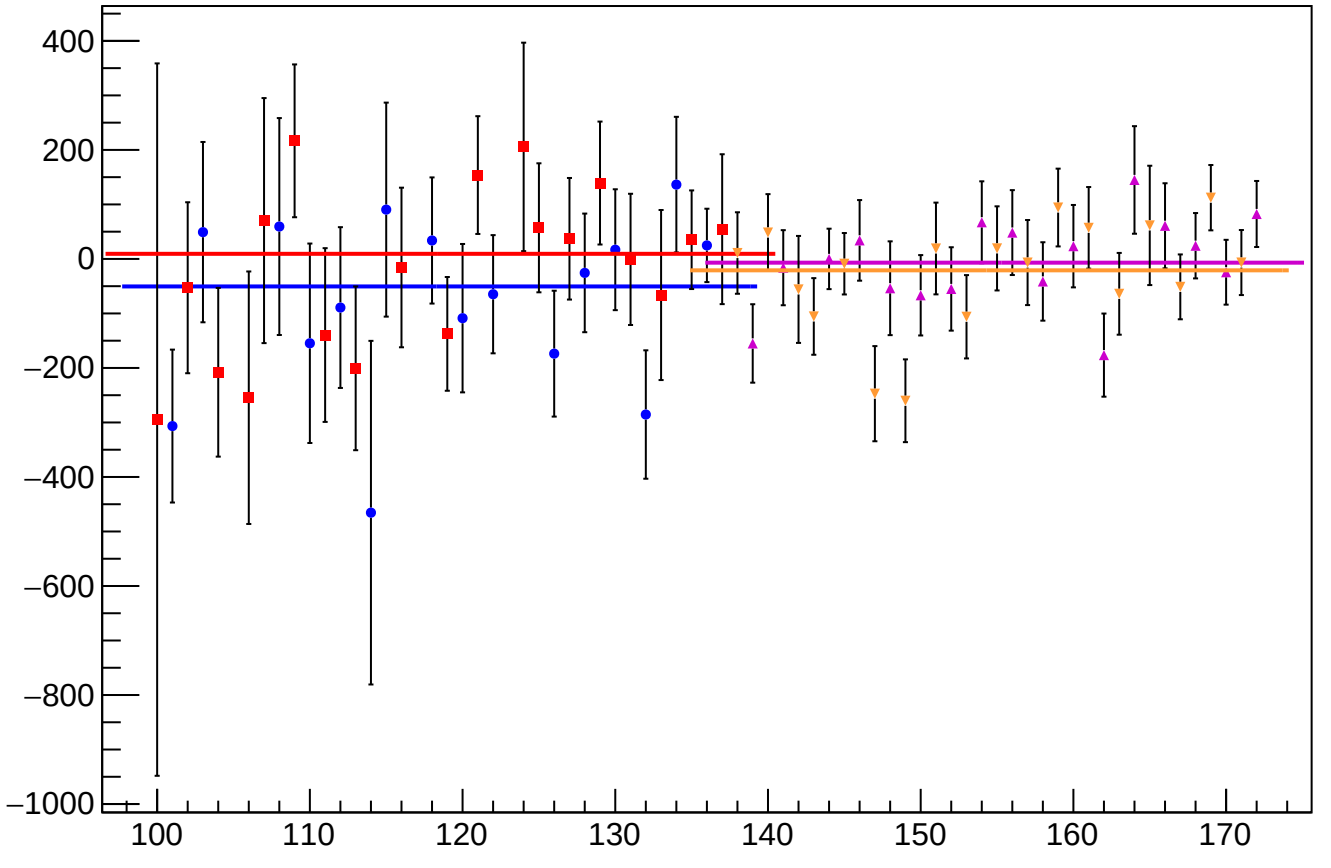
Left: 349.417+/-0.048 χ^2/NDF: 2366261.3/34

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 383.627+/-0.063 χ^2/NDF:5365999.1/32

Out: 391.171+/-0.064 χ^2/NDF:6057727.9/36

All: 387.338+/-0.045 χ^2/NDF: 11430730.3/69



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -20.915+/-17.078 χ^2/NDF:31.0/17

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: -13.930+/-12.114 χ^2/NDF: 49.8/34

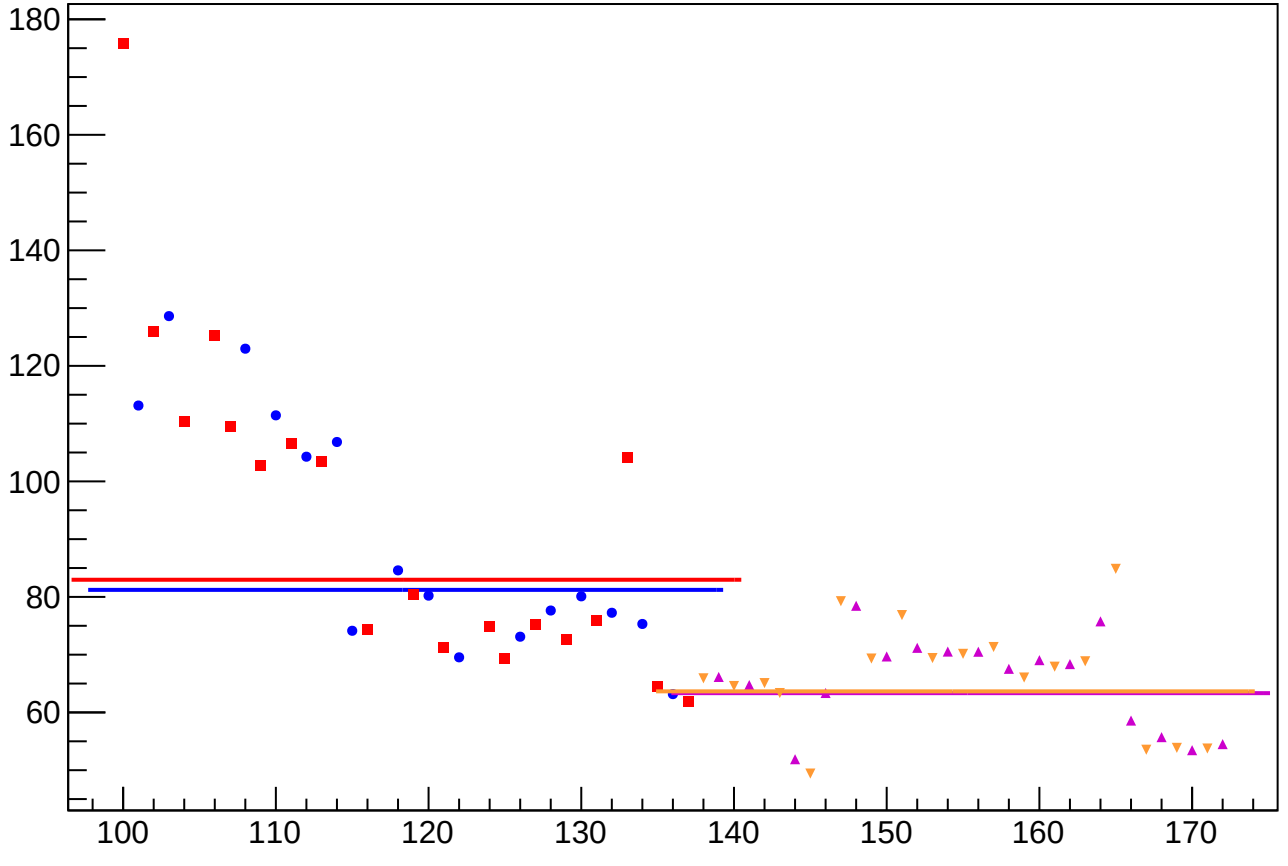
Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -17.079+/-15.038 χ^2/NDF:36.3/32

Out: -13.942+/-14.984 χ^2/NDF:47.3/36

All: -15.505+/-10.615 χ^2/NDF: 83.7/69

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: 63.650+/-0.012 χ^2/NDF:559048.2/17

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 63.338+/-0.012 χ^2/NDF:418094.3/16

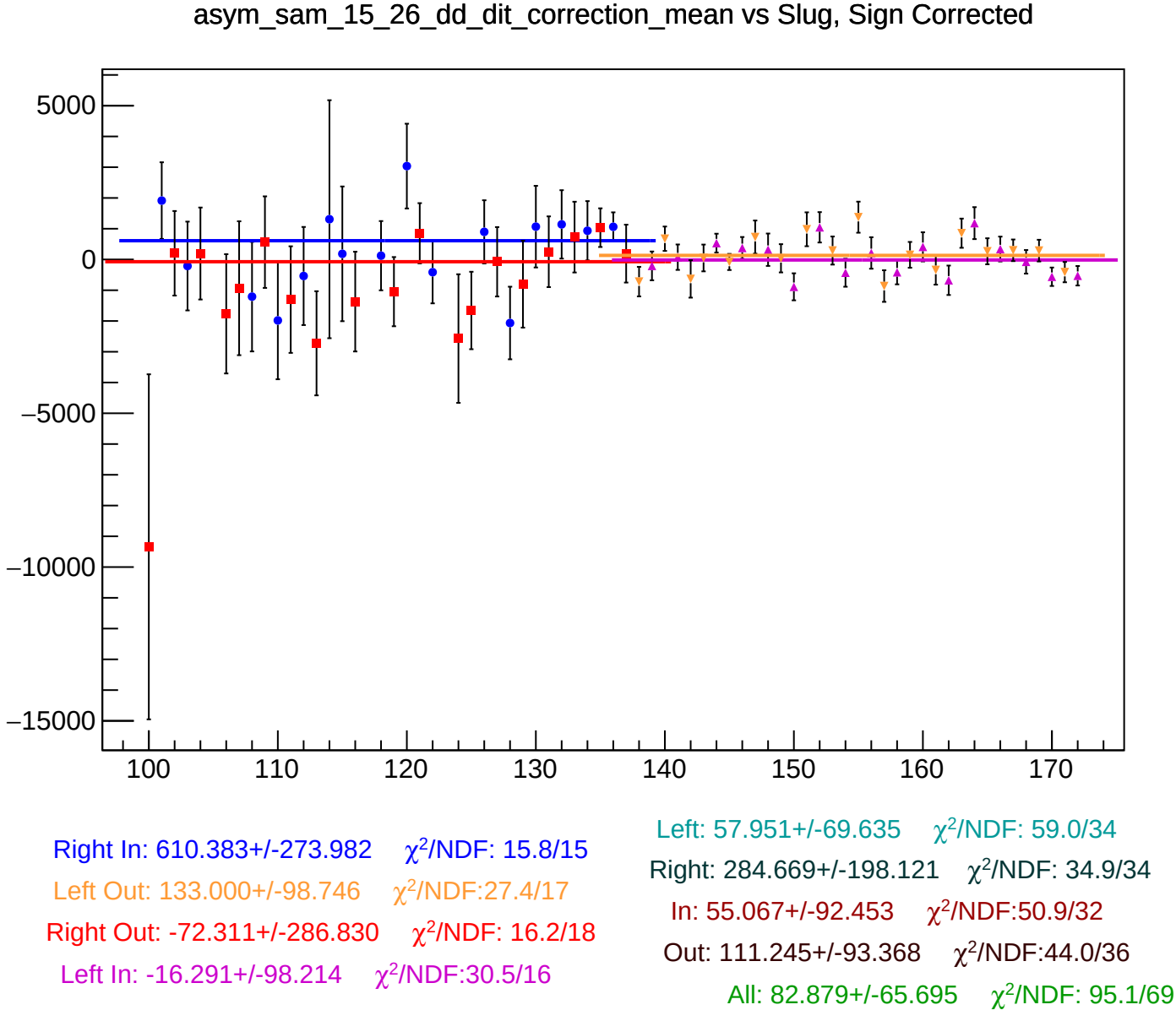
Left: 63.495+/-0.009 χ^2/NDF: 977473.7/34

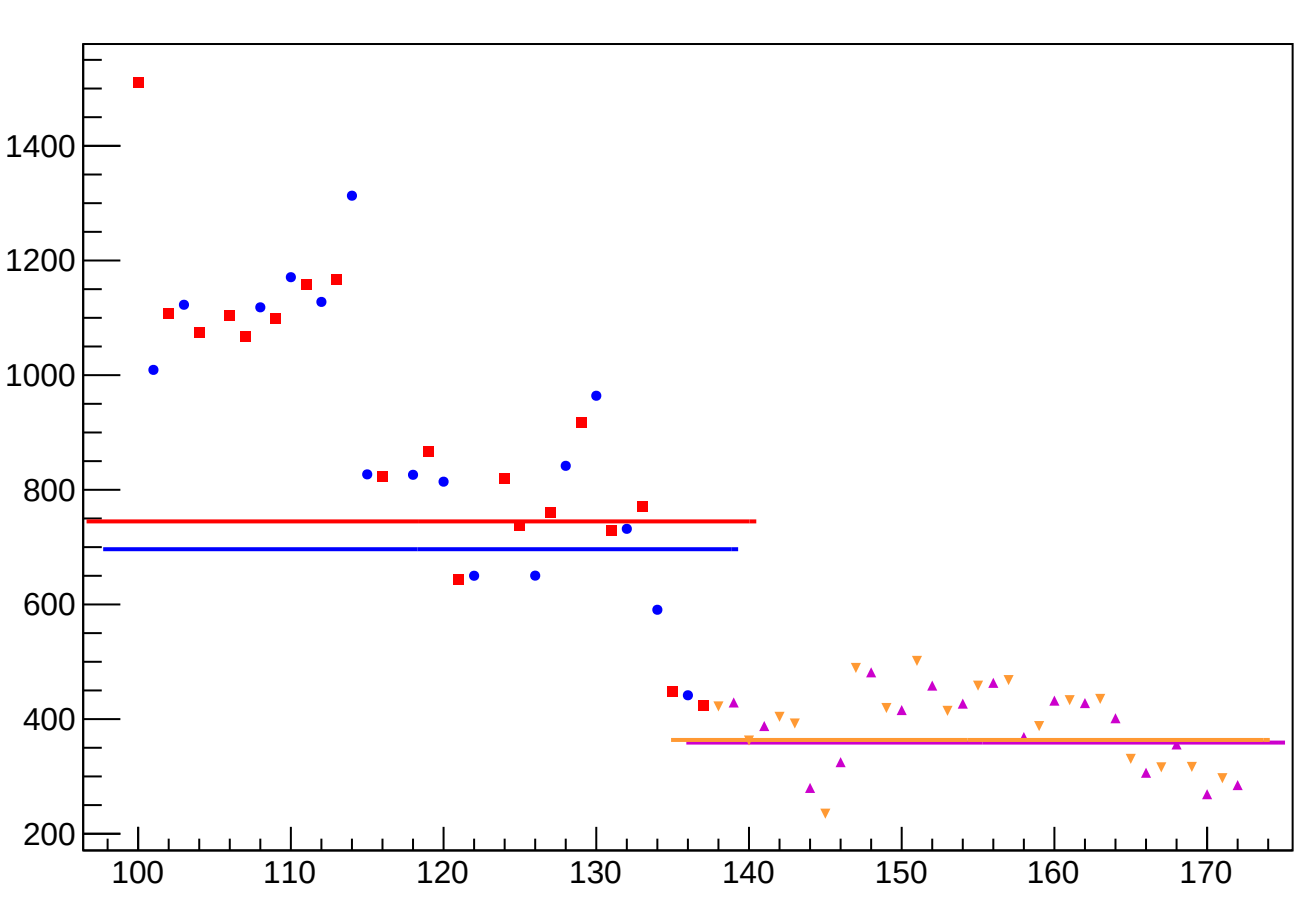
Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 67.529+/-0.011 χ^2/NDF:1588352.8/32

Out: 68.096+/-0.011 χ^2/NDF:1878599.0/36

All: 67.814+/-0.008 χ^2/NDF: 3468379.6/69


asym_sam_15_26_dd_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 610.383+/-273.982 χ²/NDF: 15.8/15
Left Out: 133.000+/-98.746 χ²/NDF:27.4/17
Right Out: -72.311+/-286.830 χ²/NDF: 16.2/18
Left In: -16.291+/-98.214 χ²/NDF:30.5/16
Left: 57.951+/-69.635 χ²/NDF: 59.0/34
Right: 284.669+/-198.121 χ²/NDF: 34.9/34
In: 55.067+/-92.453 χ²/NDF:50.9/32
Out: 111.245+/-93.368 χ²/NDF:44.0/36
All: 82.879+/-65.695 χ²/NDF: 95.1/69



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 363.635+/-0.070 χ^2/NDF:1229604.6/17

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 359.057+/-0.069 χ^2/NDF:985685.0/16

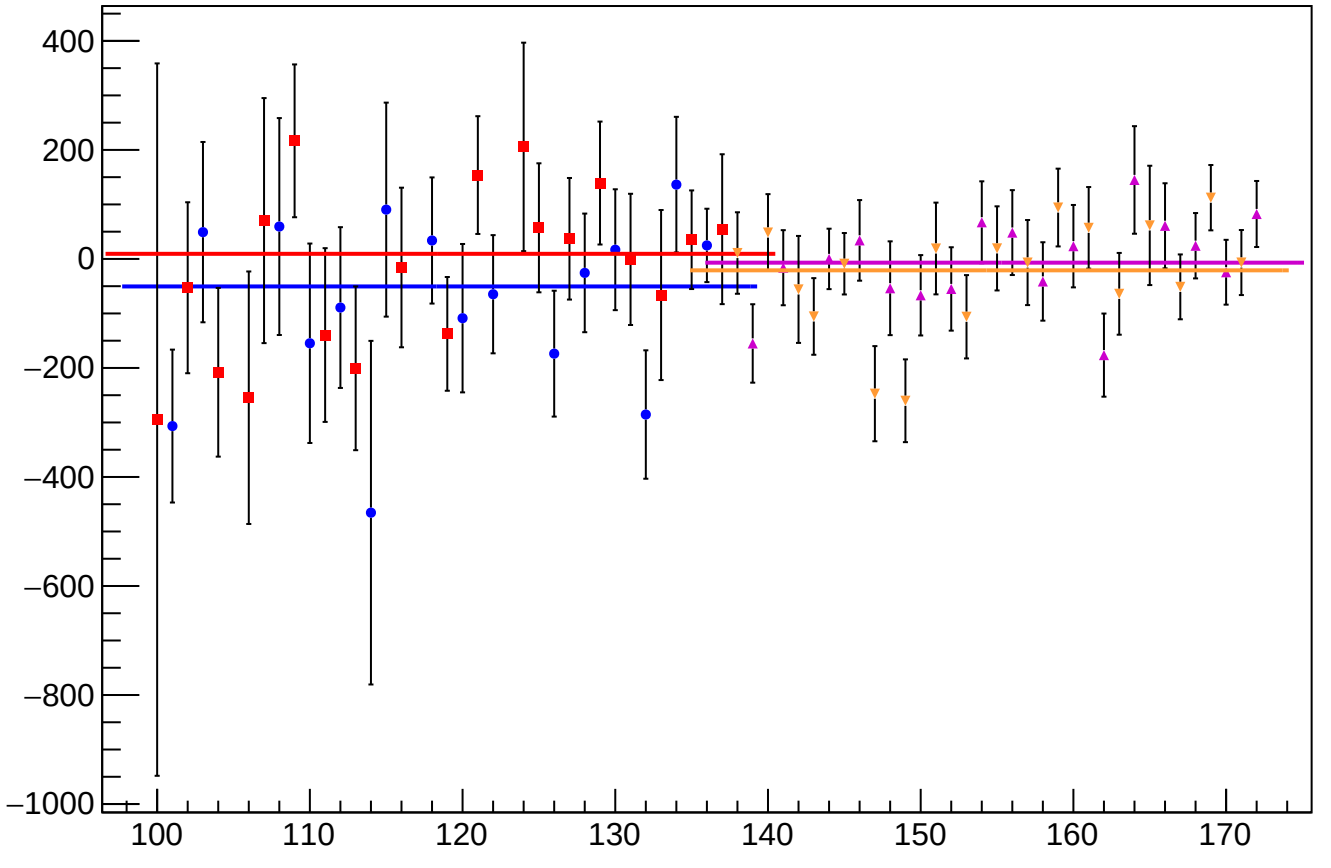
Left: 361.334+/-0.049 χ^2/NDF: 2217451.1/34

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 397.466+/-0.065 χ^2/NDF:5187460.3/32

Out: 404.032+/-0.066 χ^2/NDF:5886843.2/36

All: 400.717+/-0.046 χ^2/NDF: 11079297.6/69



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -20.913+/-17.078 χ^2/NDF:31.0/17

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -6.856+/-17.187 χ^2/NDF:18.4/16

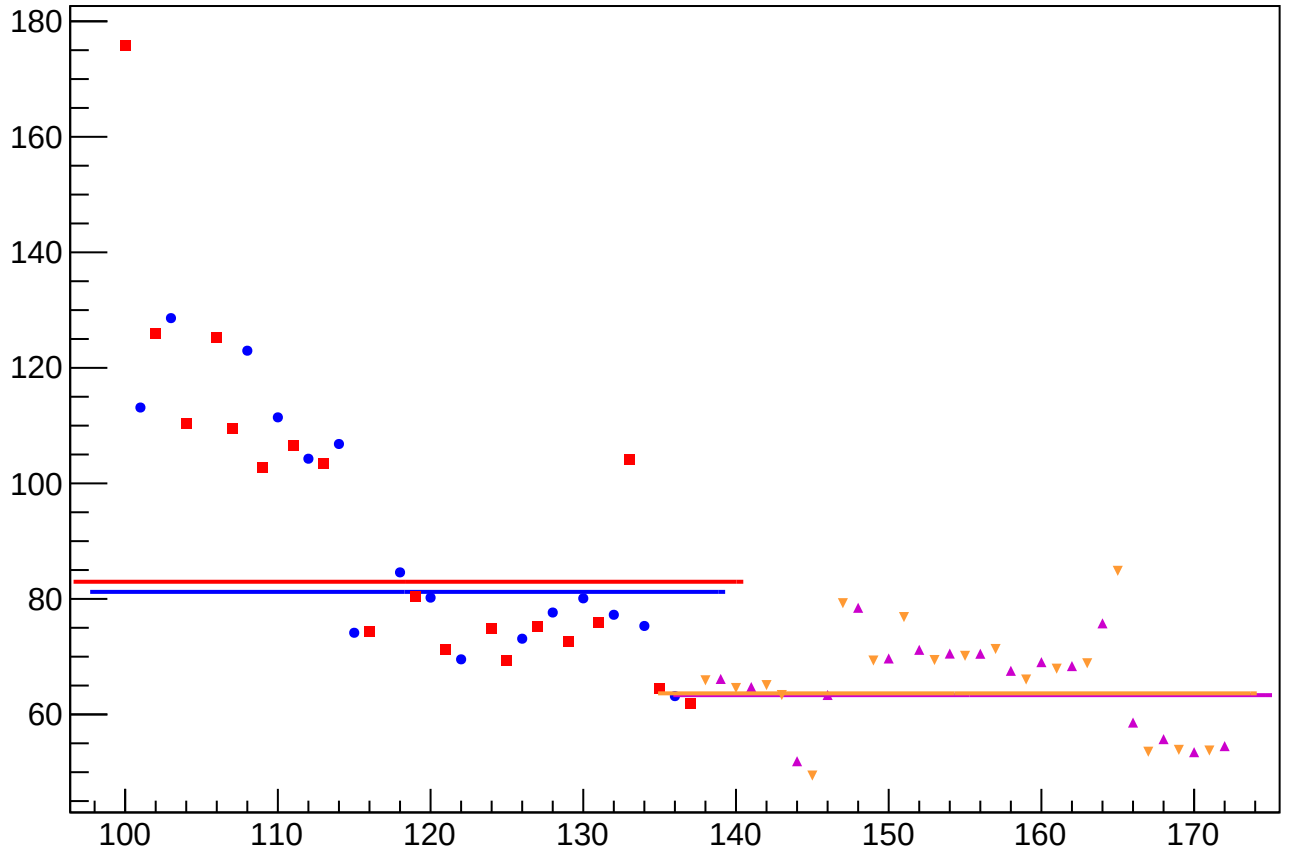
Left: -13.929+/-12.114 χ^2/NDF: 49.8/34

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -17.078+/-15.038 χ^2/NDF:36.3/32

Out: -13.942+/-14.984 χ^2/NDF:47.3/36

All: -15.504+/-10.615 χ^2/NDF: 83.7/69



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 63.650+/-0.012 χ^2/NDF:559044.2/17

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: 63.495+/-0.009 χ^2/NDF: 977465.8/34

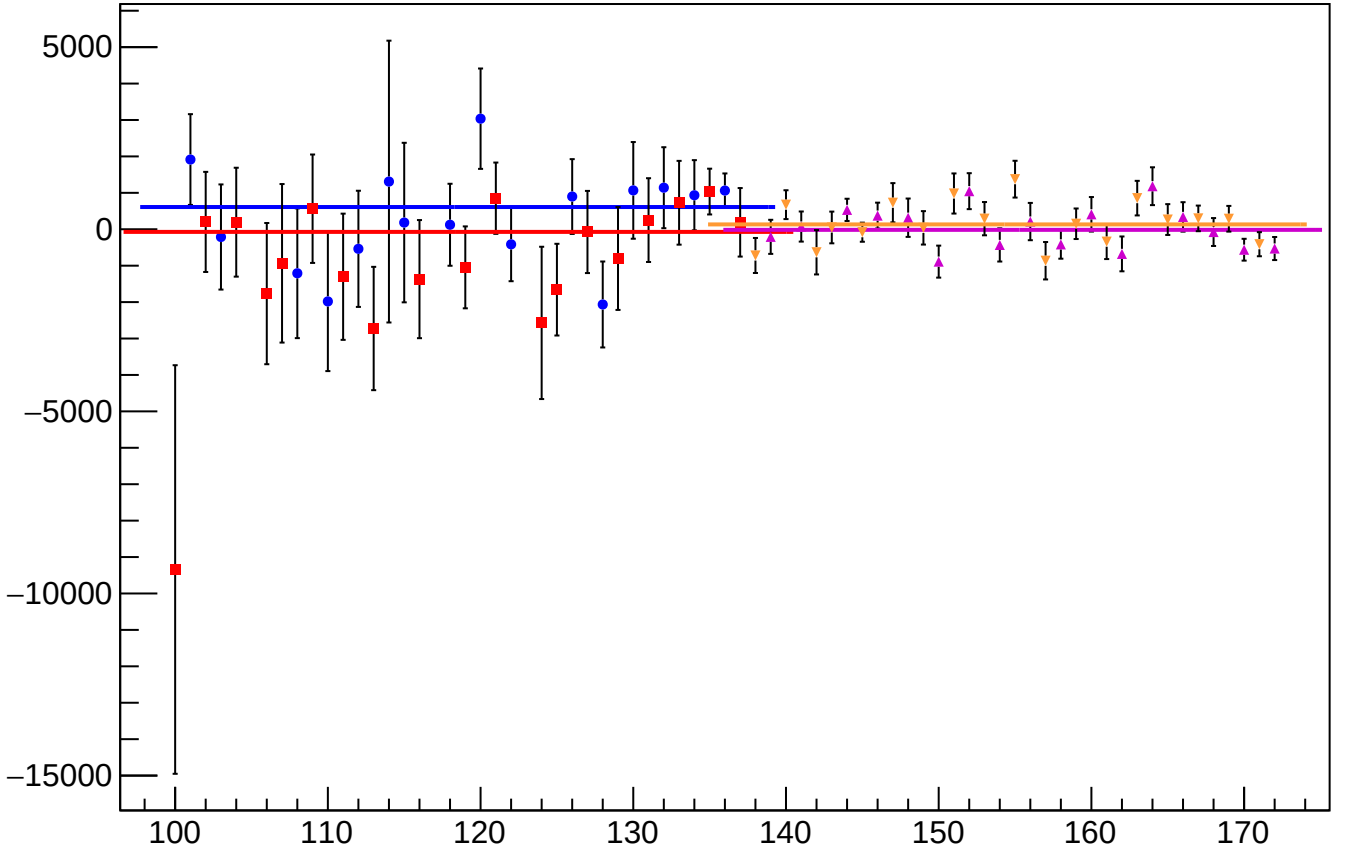
Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 67.529+/-0.011 χ^2/NDF:1588306.1/32

Out: 68.096+/-0.011 χ^2/NDF:1878561.8/36

All: 67.814+/-0.008 χ^2/NDF: 3468295.7/69

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 610.382+/-273.981 χ^2/NDF: 15.8/15

Left Out: 133.000+/-98.746 χ^2/NDF:27.4/17

Right Out: -72.313+/-286.830 χ^2/NDF: 16.2/18

Left In: -16.291+/-98.214 χ^2/NDF:30.5/16

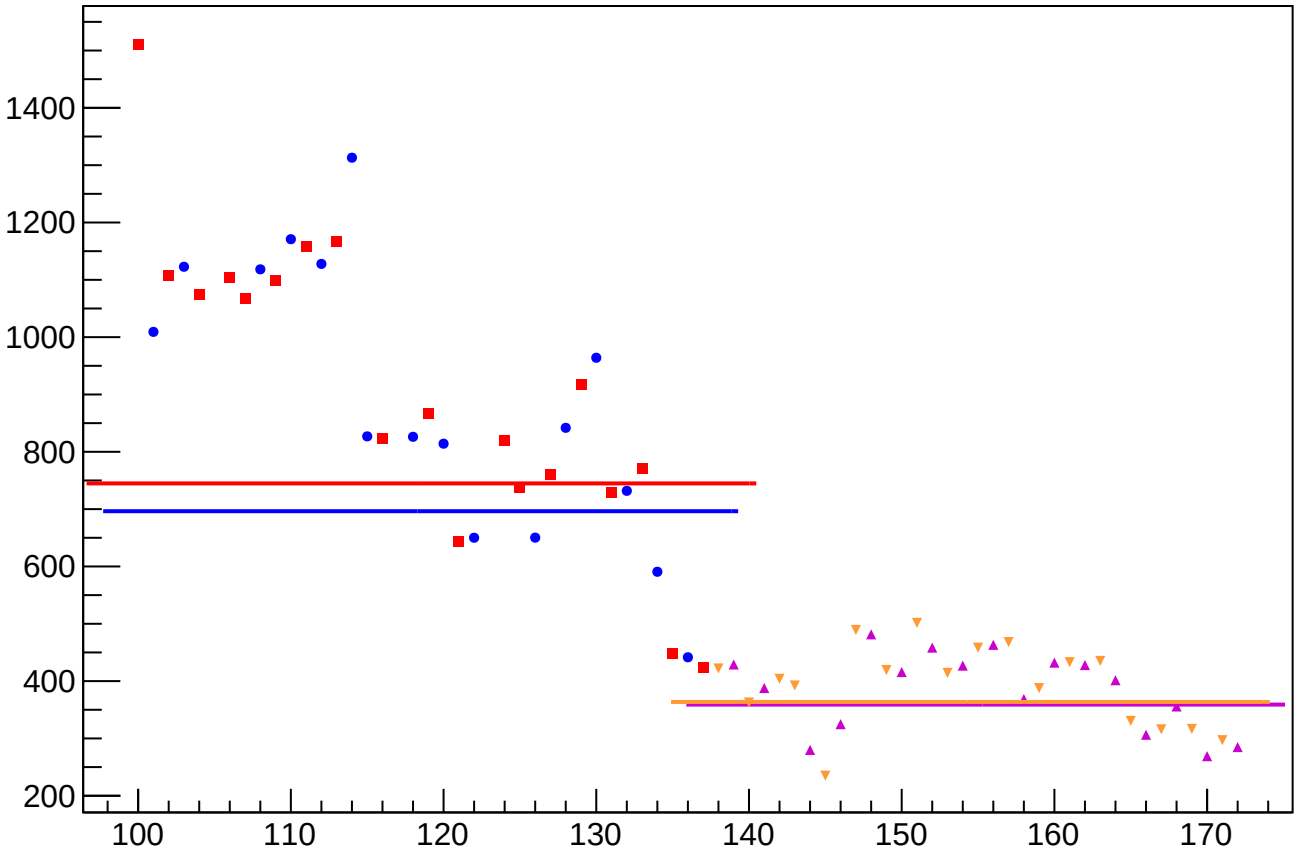
Left: 57.951+/-69.635 χ^2/NDF: 59.0/34

Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 55.067+/-92.453 χ^2/NDF:50.9/32

Out: 111.245+/-93.368 χ^2/NDF:44.0/36

All: 82.880+/-65.695 χ^2/NDF: 95.1/69



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 363.635+/-0.070 χ^2/NDF:1229626.5/17

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: 361.334+/-0.049 χ^2/NDF: 2217482.2/34

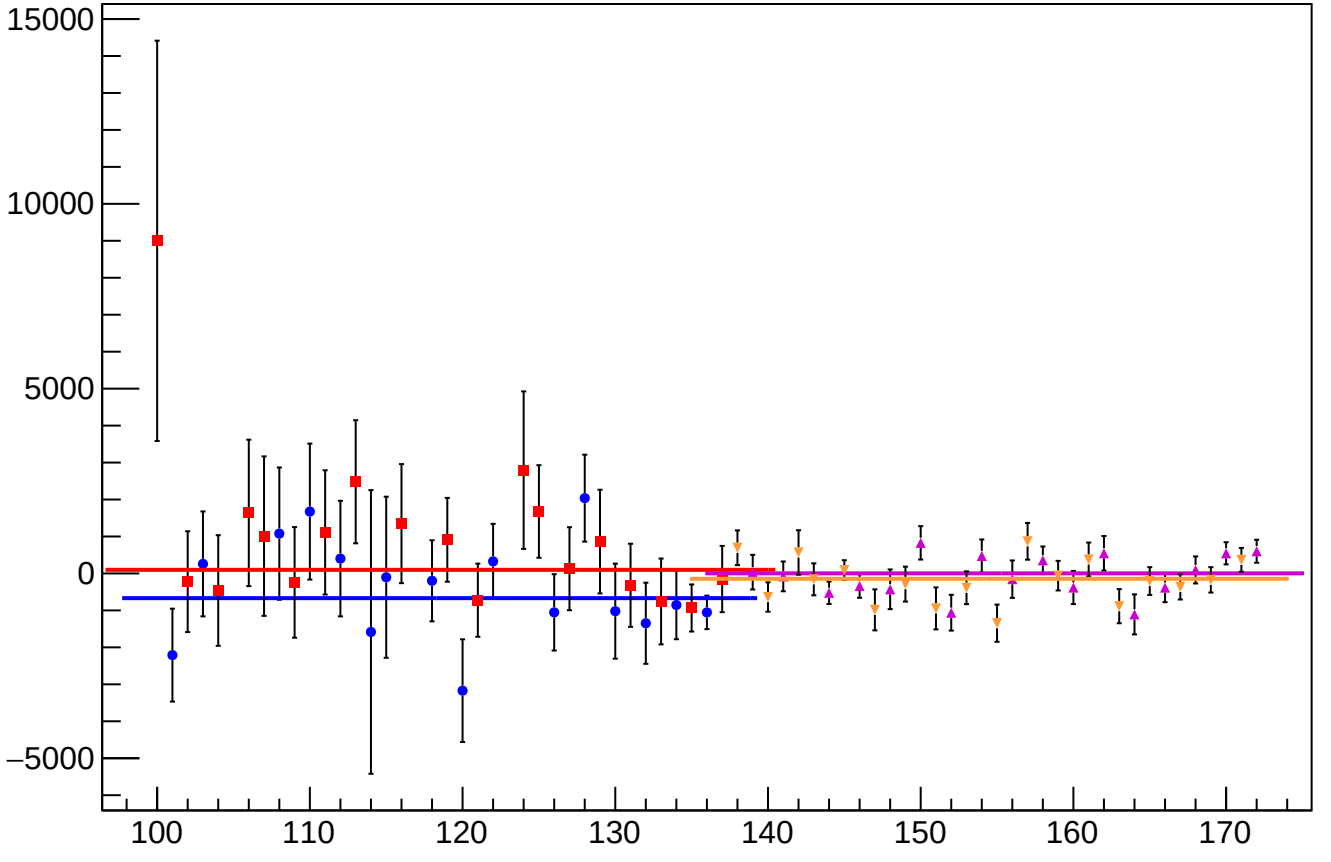
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 397.466+/-0.065 χ^2/NDF:5187446.0/32

Out: 404.032+/-0.066 χ^2/NDF:5886846.7/36

All: 400.717+/-0.046 χ^2/NDF: 11079286.5/69

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -144.555+/-97.063 χ^2/NDF:28.3/17

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: -70.193+/-68.294 χ^2/NDF: 58.8/34

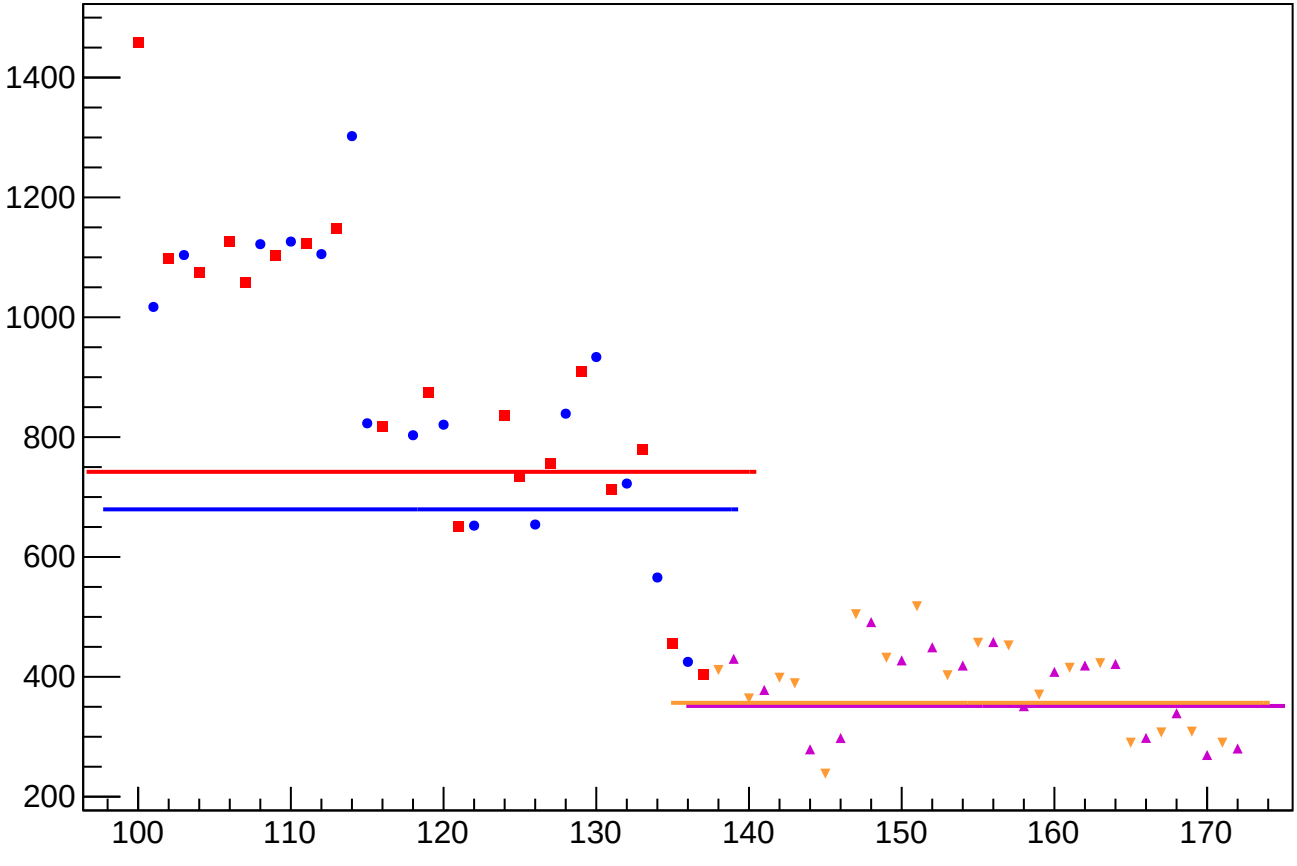
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -73.542+/-90.486 χ^2/NDF:51.0/32

Out: -119.484+/-91.910 χ^2/NDF:43.8/36

All: -96.155+/-64.481 χ^2/NDF: 94.9/69

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 356.656+/-0.069 χ^2/NDF:1270797.2/17

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 351.401+/-0.068 χ^2/NDF:1040755.1/16

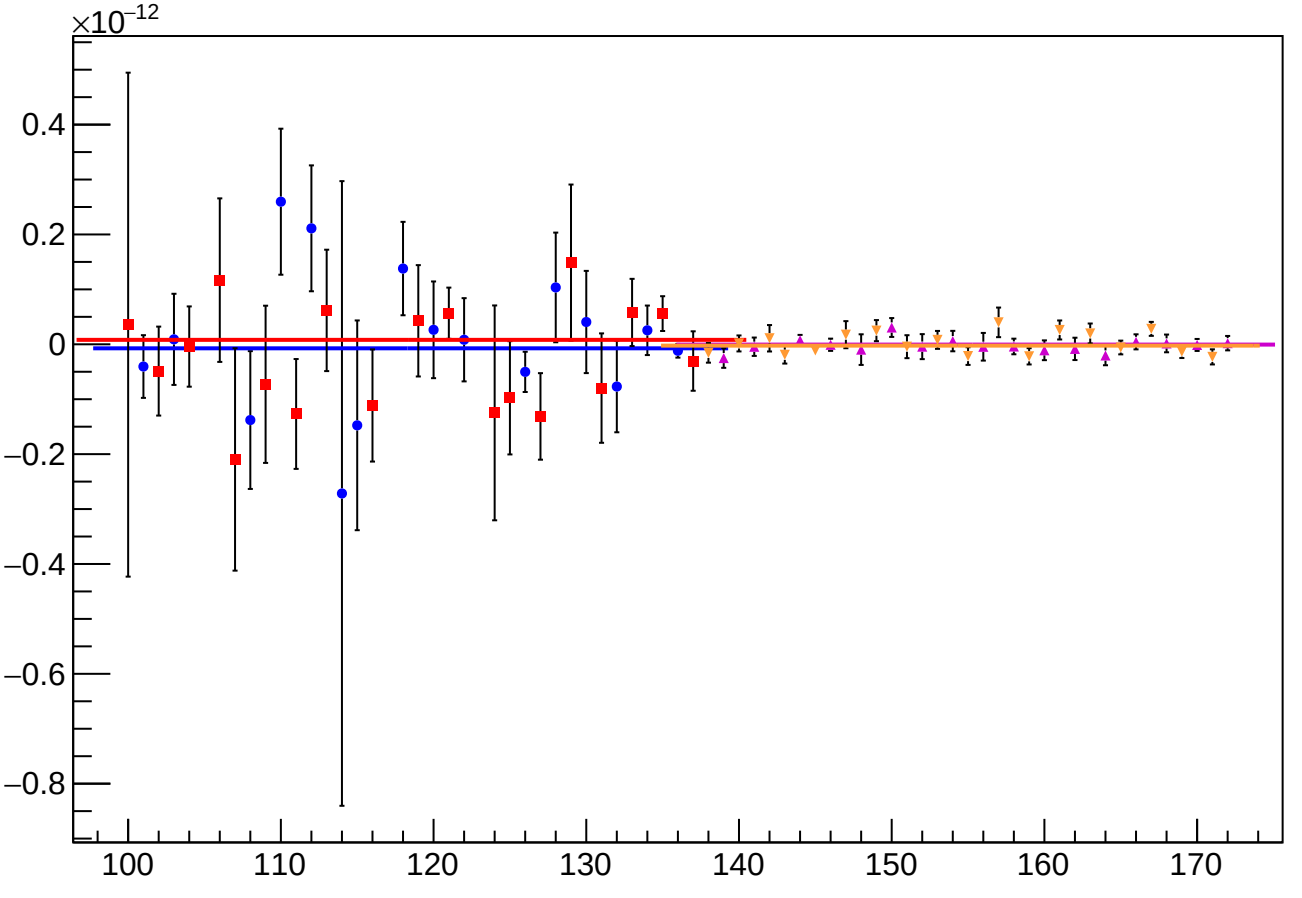
Left: 354.003+/-0.048 χ^2/NDF: 2314512.4/34

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 388.674+/-0.064 χ^2/NDF:5289234.7/32

Out: 396.493+/-0.065 χ^2/NDF:6034718.3/36

All: 392.523+/-0.046 χ^2/NDF: 11331303.7/69



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/16

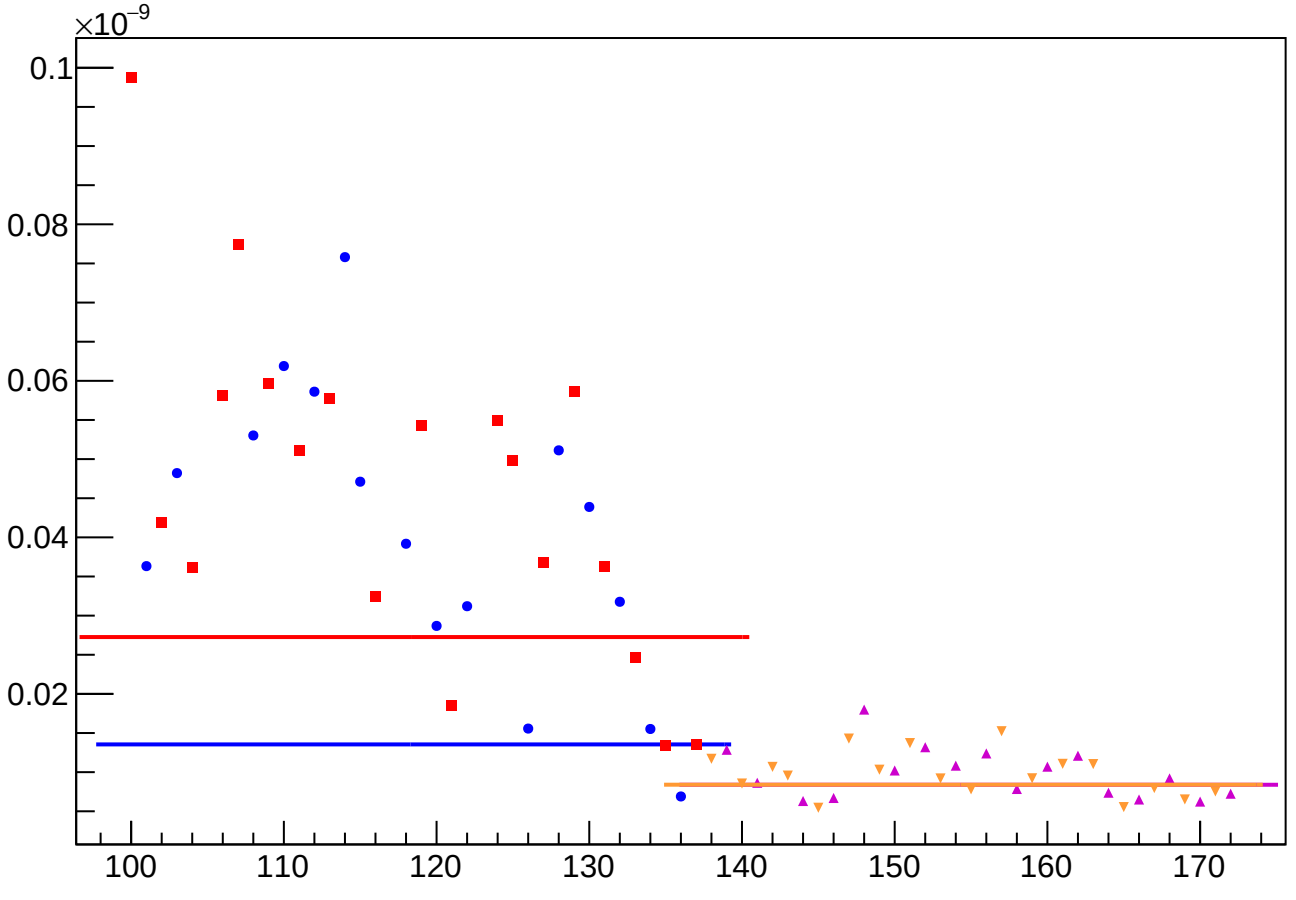
Left: -0.000+/-0.000 χ^2/NDF: 33.1/34

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:42.2/36

All: -0.000+/-0.000 χ^2/NDF: 67.9/69



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:984329.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:938907.0/16

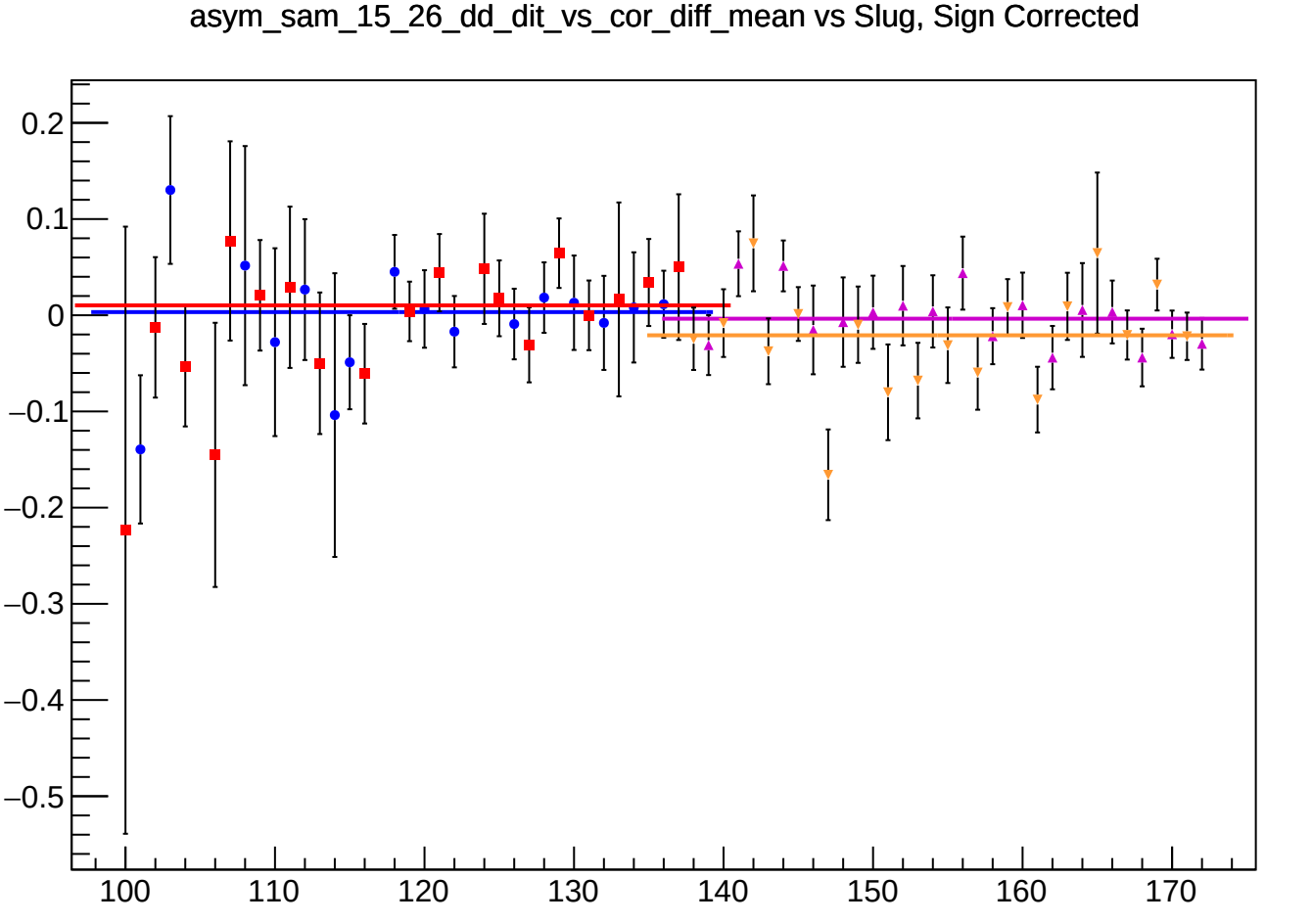
Left: 0.000+/-0.000 χ^2/NDF: 1923241.3/34

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:4996572.4/36

All: 0.000+/-0.000 χ^2/NDF: 9416479.1/69



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.008 χ^2/NDF:28.6/17

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.004+/-0.008 χ^2/NDF:15.1/16

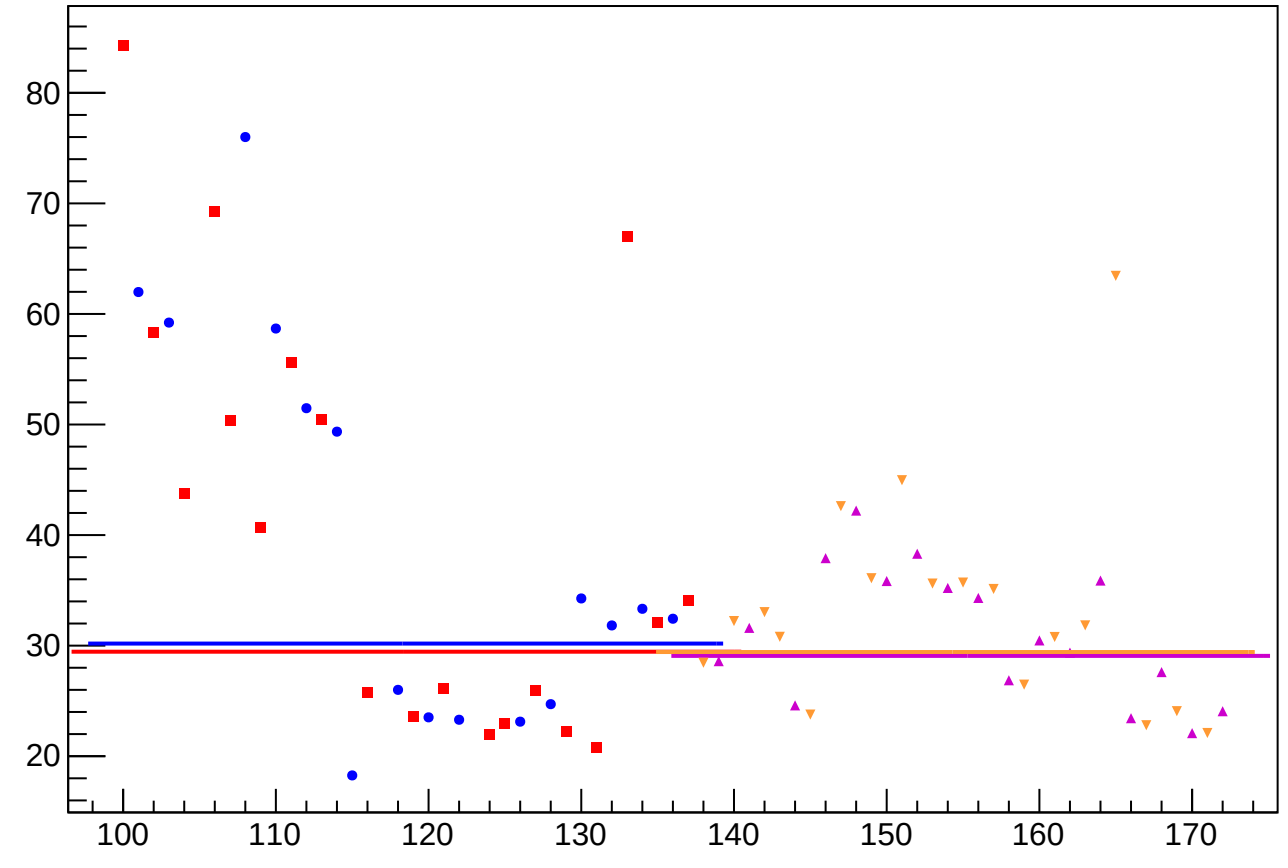
Left: -0.012+/-0.006 χ^2/NDF: 46.0/34

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.002+/-0.007 χ^2/NDF:25.5/32

Out: -0.011+/-0.007 χ^2/NDF:44.6/36

All: -0.006+/-0.005 χ^2/NDF: 71.0/69



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 29.423+/-0.006 χ^2/NDF:1416820.7/17

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 29.073+/-0.006 χ^2/NDF:907313.2/16

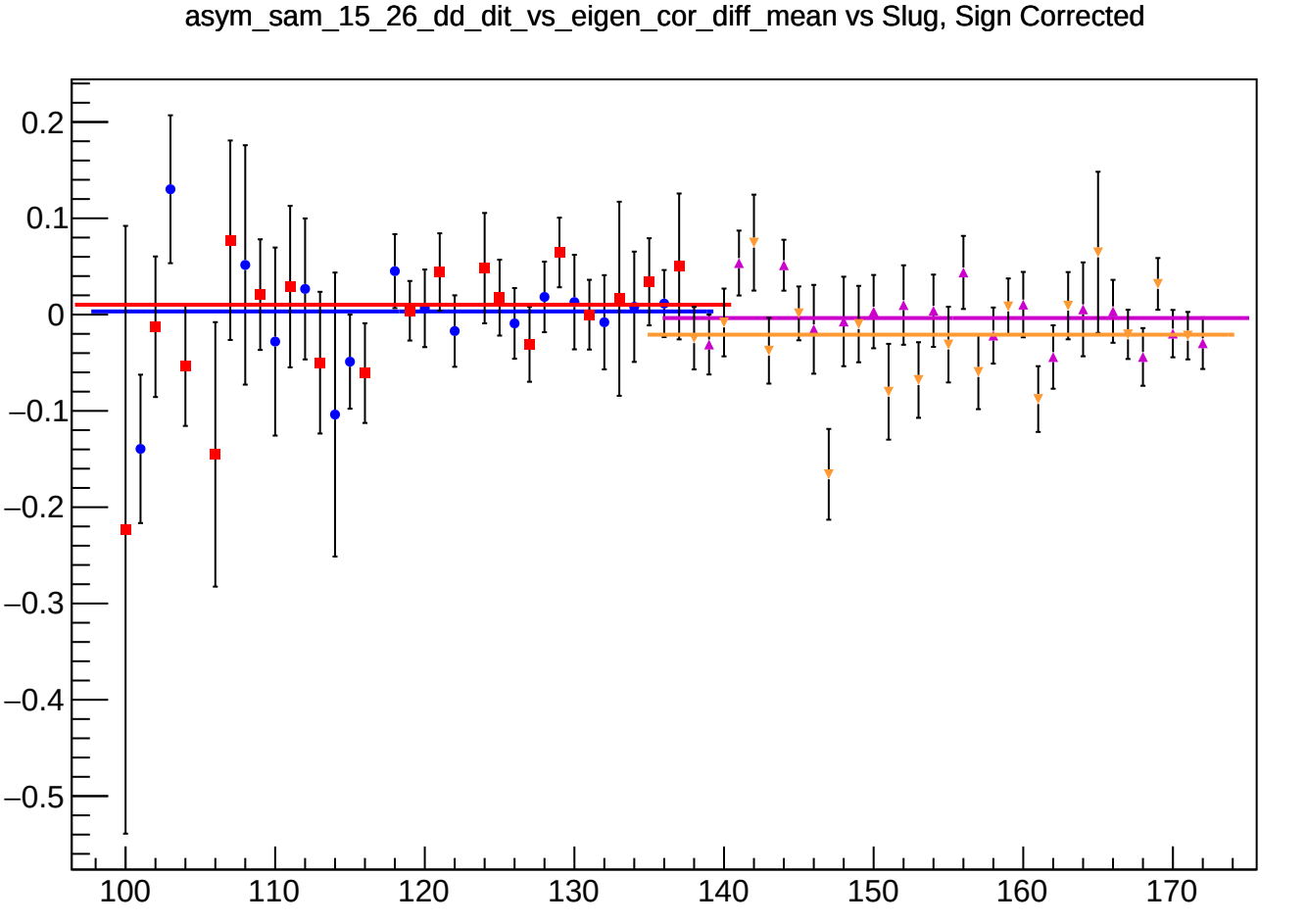
Left: 29.247+/-0.004 χ^2/NDF: 2326008.8/34

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 29.408+/-0.005 χ^2/NDF:2606184.5/32

Out: 29.432+/-0.005 χ^2/NDF:3265465.3/36

All: 29.420+/-0.003 χ^2/NDF: 5871662.5/69



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.008 χ^2/NDF:28.6/17

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.004+/-0.008 χ^2/NDF:15.1/16

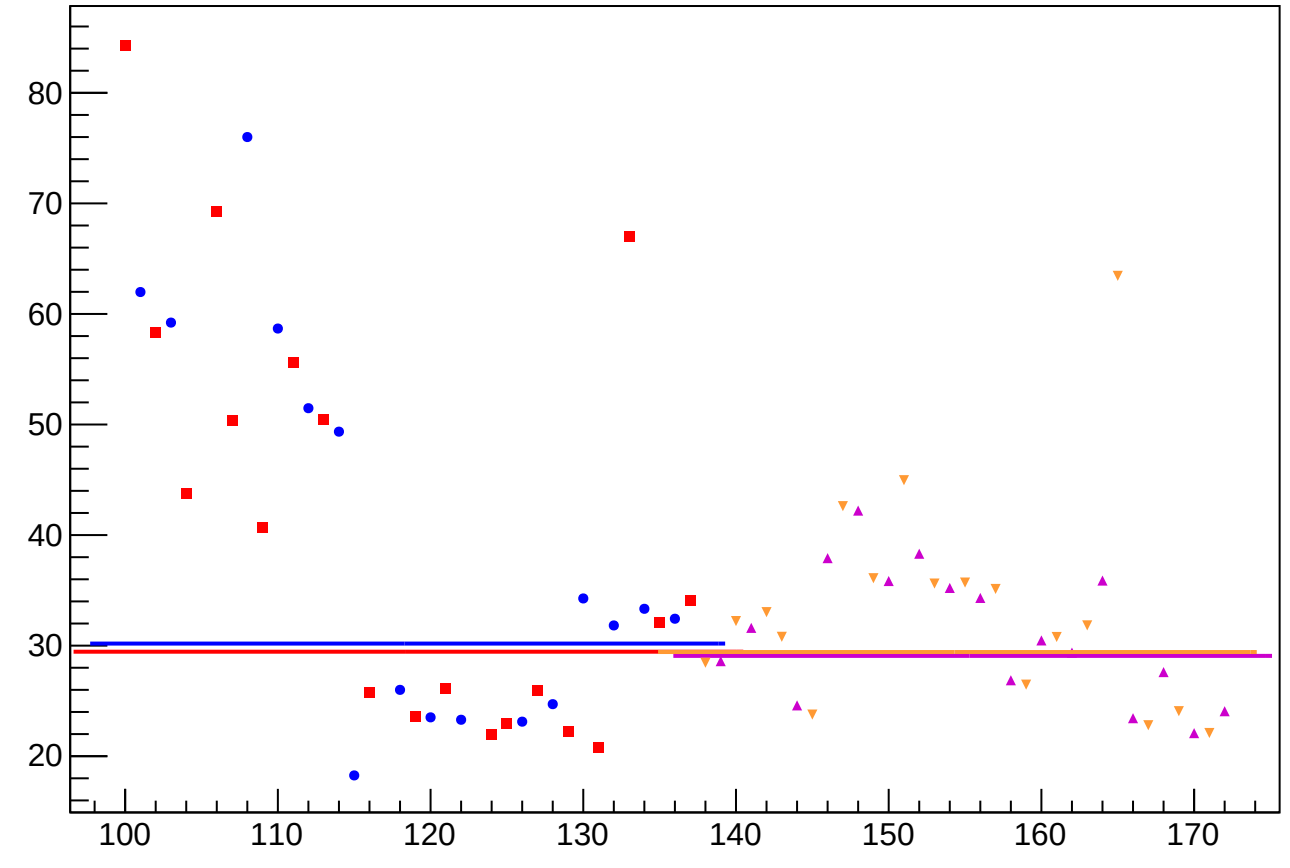
Left: -0.012+/-0.006 χ^2/NDF: 46.0/34

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.002+/-0.007 χ^2/NDF:25.5/32

Out: -0.011+/-0.007 χ^2/NDF:44.6/36

All: -0.006+/-0.005 χ^2/NDF: 71.0/69



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 29.423+/-0.006 χ^2/NDF:1416820.7/17

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 29.073+/-0.006 χ^2/NDF:907313.2/16

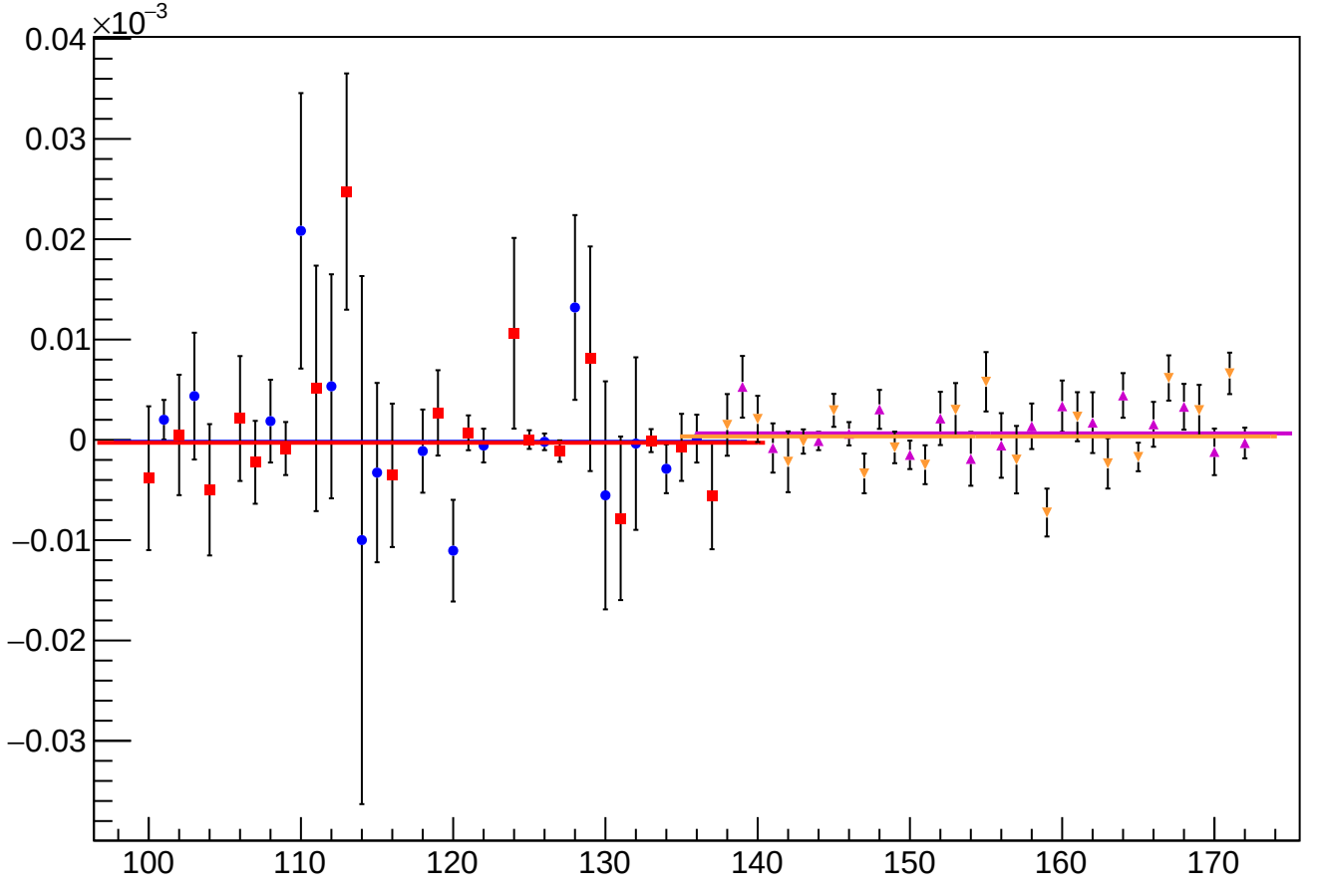
Left: 29.247+/-0.004 χ^2/NDF: 2326008.8/34

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 29.408+/-0.005 χ^2/NDF:2606184.5/32

Out: 29.432+/-0.005 χ^2/NDF:3265465.3/36

All: 29.420+/-0.003 χ^2/NDF: 5871662.5/69



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/17

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:15.2/16

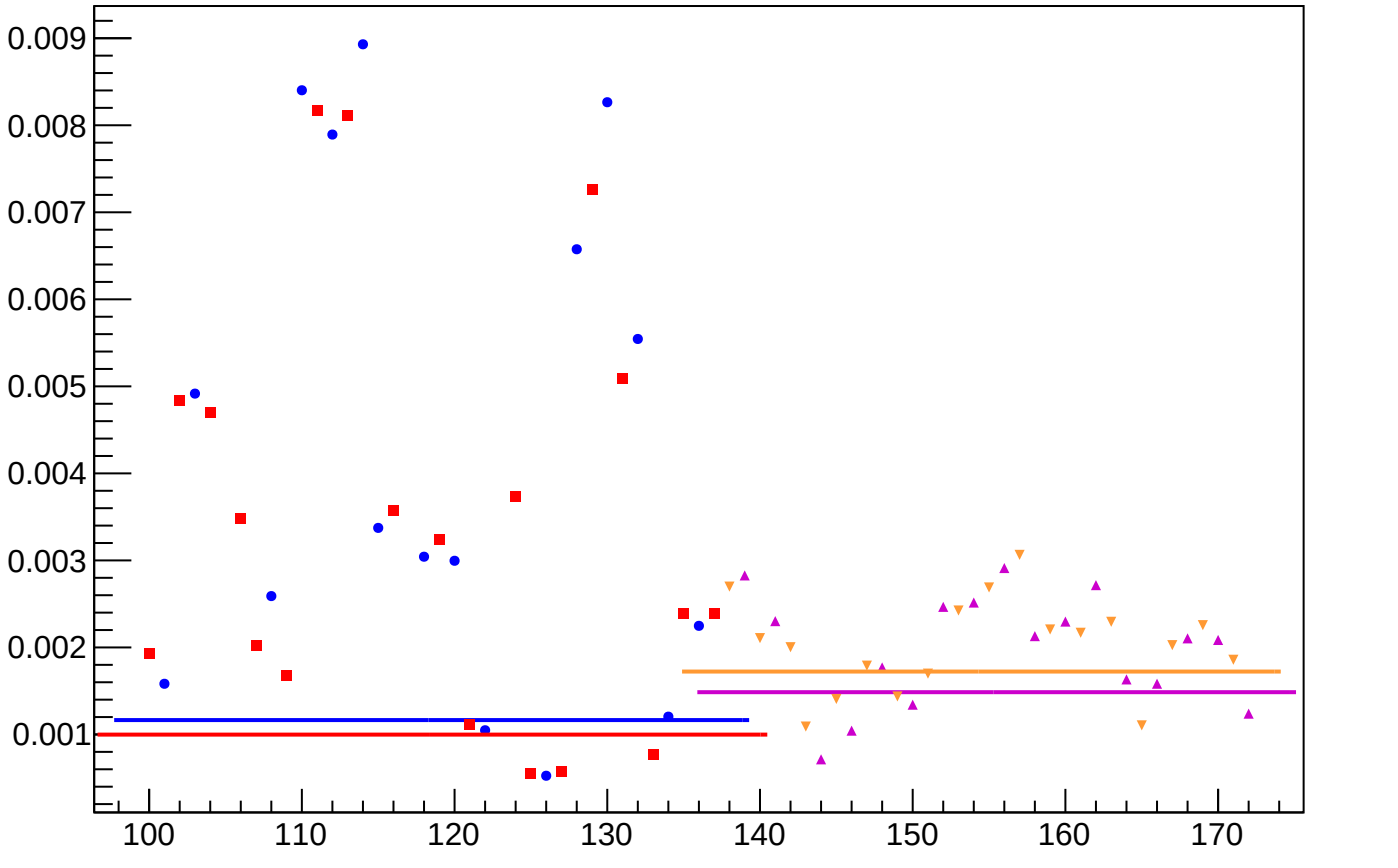
Left: 0.000+/-0.000 χ^2/NDF: 61.4/34

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:58.2/36

All: 0.000+/-0.000 χ^2/NDF: 88.1/69



Right In: 0.001+/-0.000 χ^2/NDF: 6881775.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2394852.5/17

Right Out: 0.001+/-0.000 χ^2/NDF: 6937197.5/18

Left In: 0.001+/-0.000 χ^2/NDF:4386491.4/16

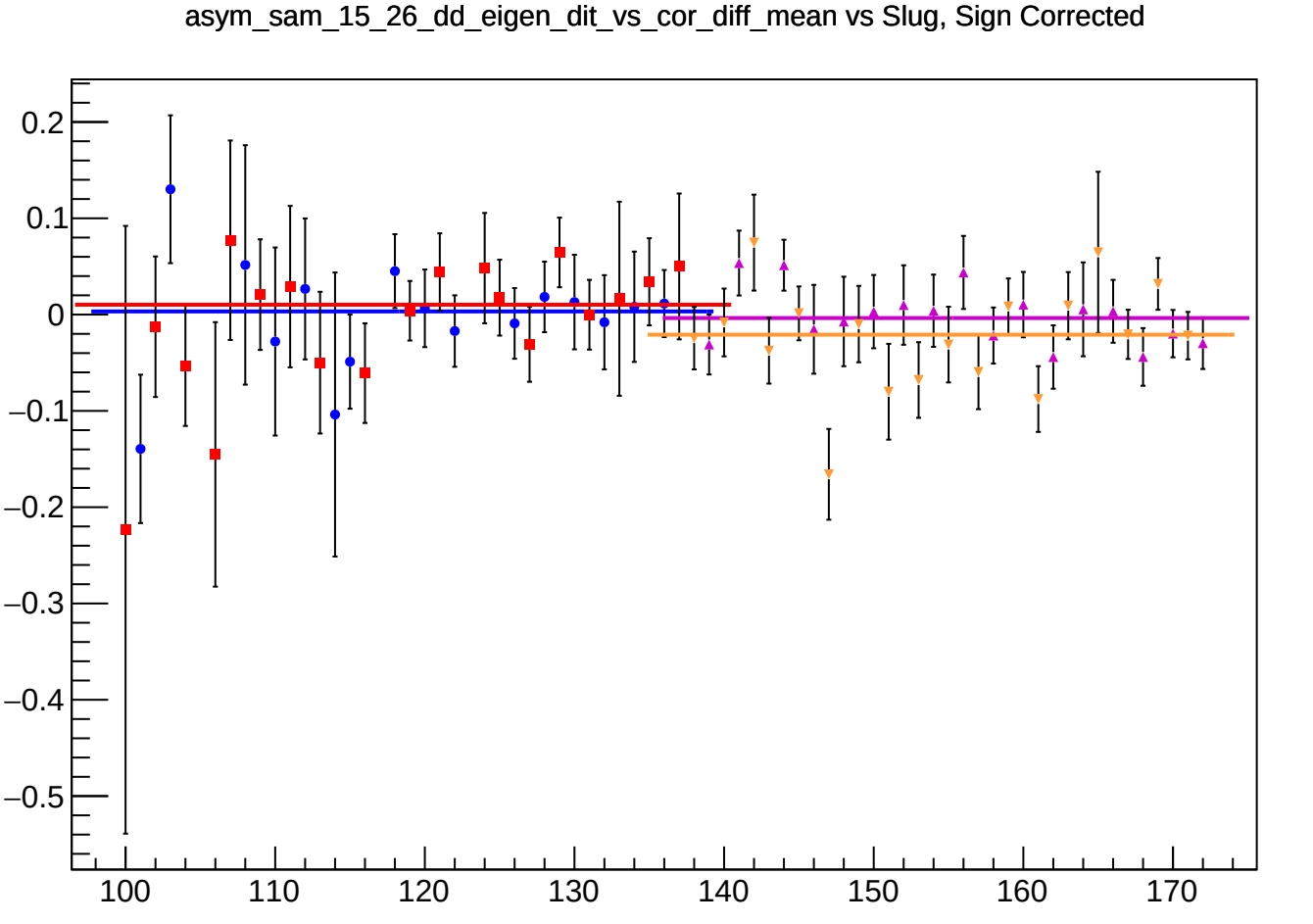
Left: 0.002+/-0.000 χ^2/NDF: 7042044.8/34

Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

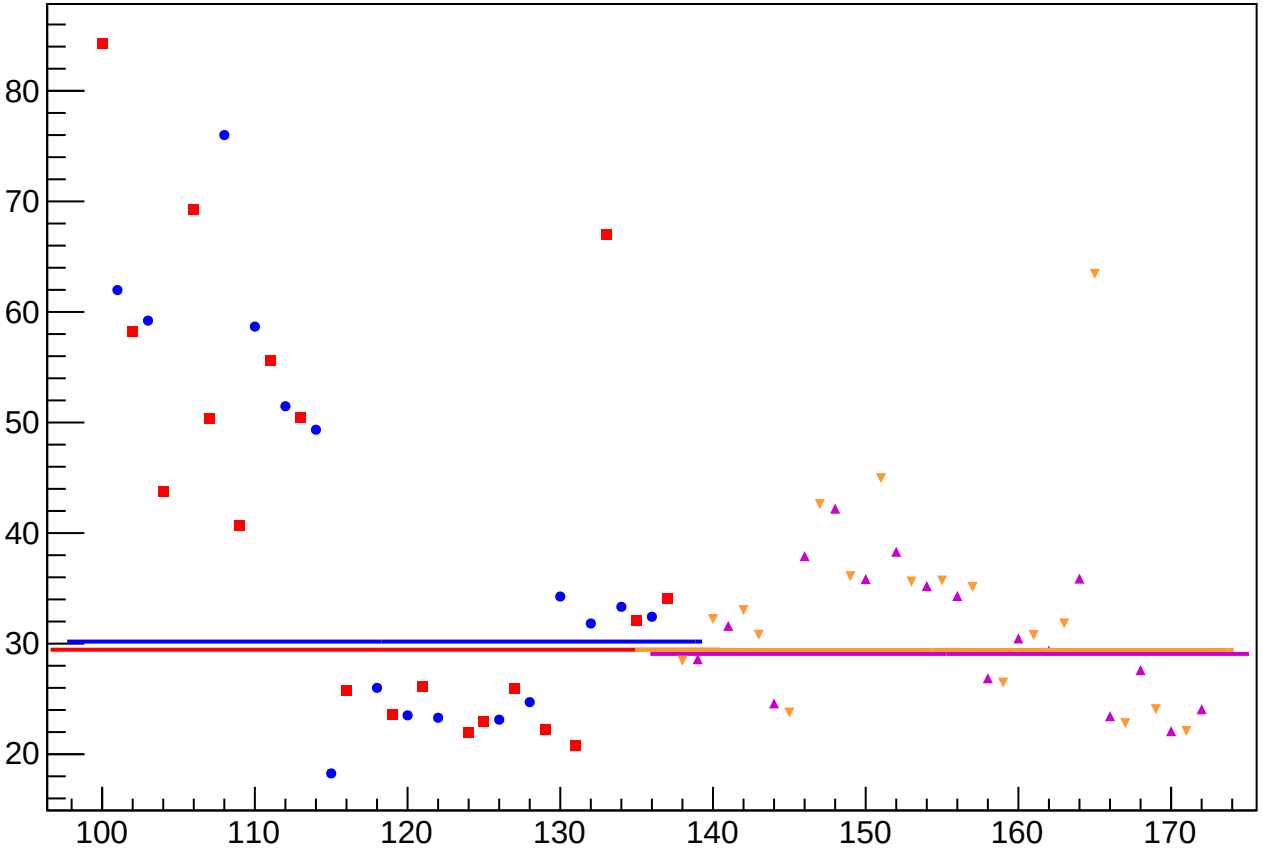
In: 0.001+/-0.000 χ^2/NDF:11624406.2/32

Out: 0.001+/-0.000 χ^2/NDF:11411631.3/36

All: 0.001+/-0.000 χ^2/NDF: 23037745.3/69


asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.021+/-0.008 χ²/NDF:28.6/17
Right Out: 0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.004+/-0.008 χ²/NDF:15.1/16
Left: -0.012+/-0.006 χ²/NDF: 46.0/34
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: -0.002+/-0.007 χ²/NDF:25.5/32
Out: -0.011+/-0.007 χ²/NDF:44.6/36
All: -0.006+/-0.005 χ²/NDF: 71.1/69

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: 29.423+/-0.006 χ^2/NDF:1416806.5/17

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 29.074+/-0.006 χ^2/NDF:907296.1/16

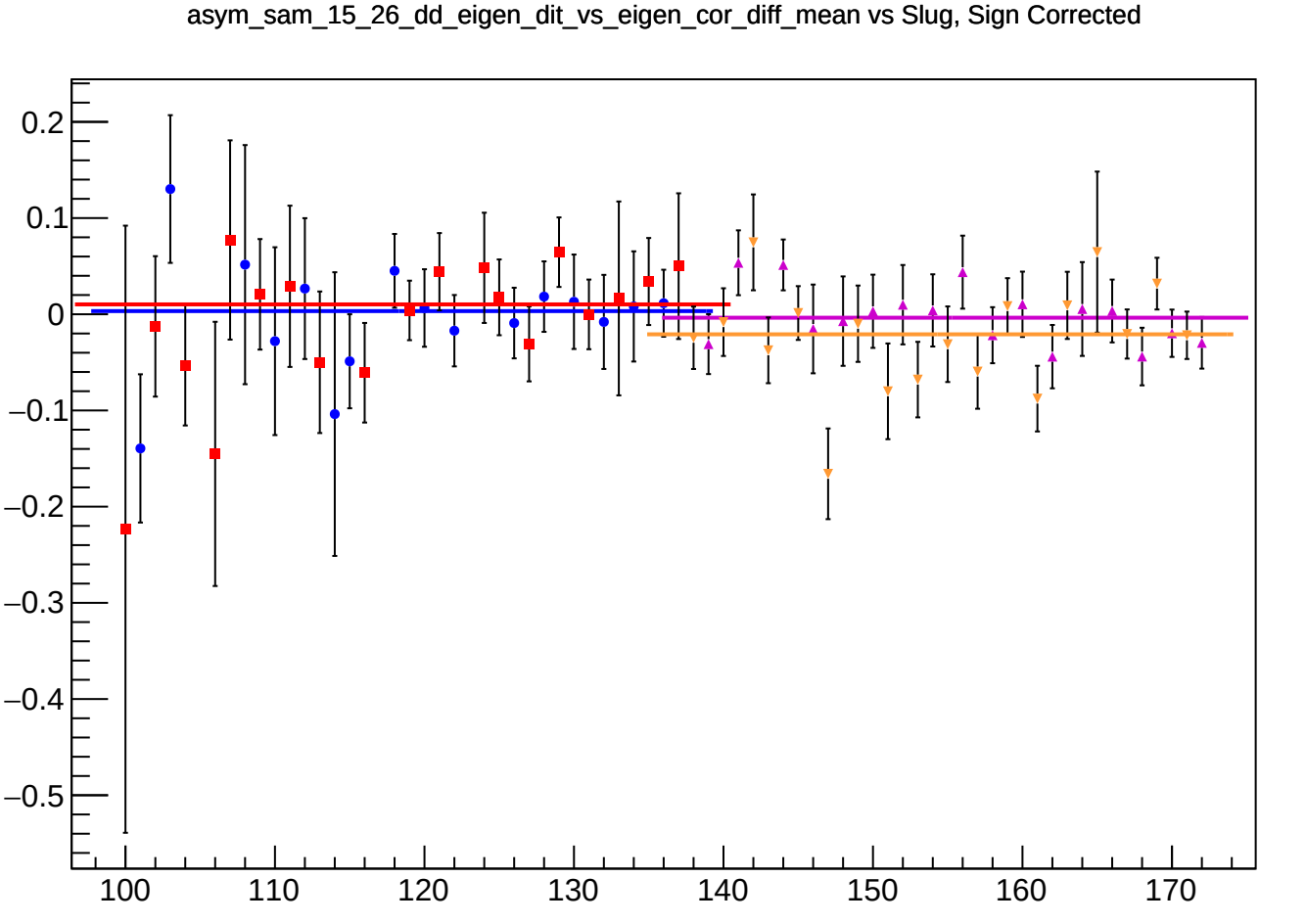
Left: 29.248+/-0.004 χ^2/NDF: 2325977.1/34

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 29.408+/-0.005 χ^2/NDF:2605978.9/32

Out: 29.432+/-0.005 χ^2/NDF:3265446.8/36

All: 29.420+/-0.003 χ^2/NDF: 5871438.2/69



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.021+/-0.008 χ^2/NDF:28.6/17

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.004+/-0.008 χ^2/NDF:15.1/16

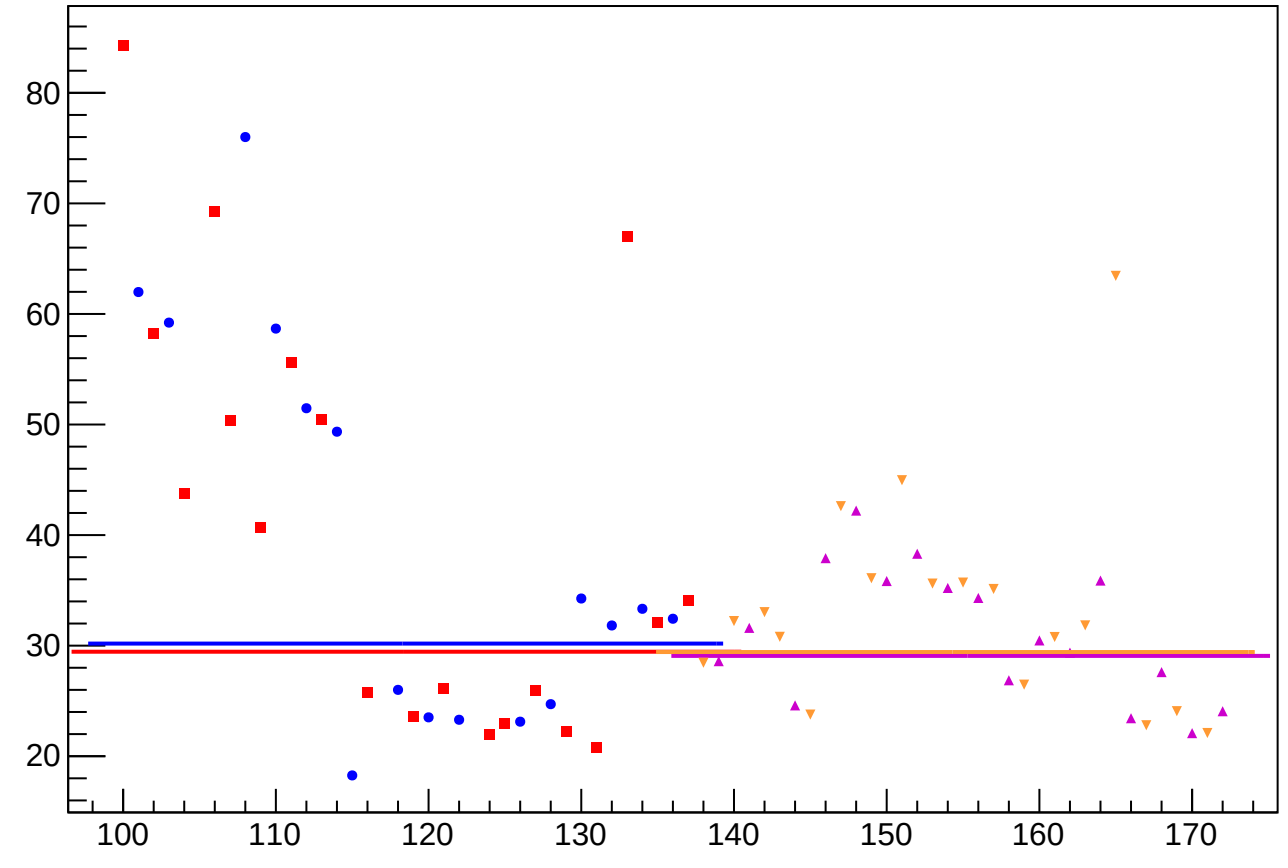
Left: -0.012+/-0.006 χ^2/NDF: 46.0/34

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.002+/-0.007 χ^2/NDF:25.5/32

Out: -0.011+/-0.007 χ^2/NDF:44.6/36

All: -0.006+/-0.005 χ^2/NDF: 71.1/69



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 29.423+/-0.006 χ^2/NDF:1416806.5/17

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 29.074+/-0.006 χ^2/NDF:907296.1/16

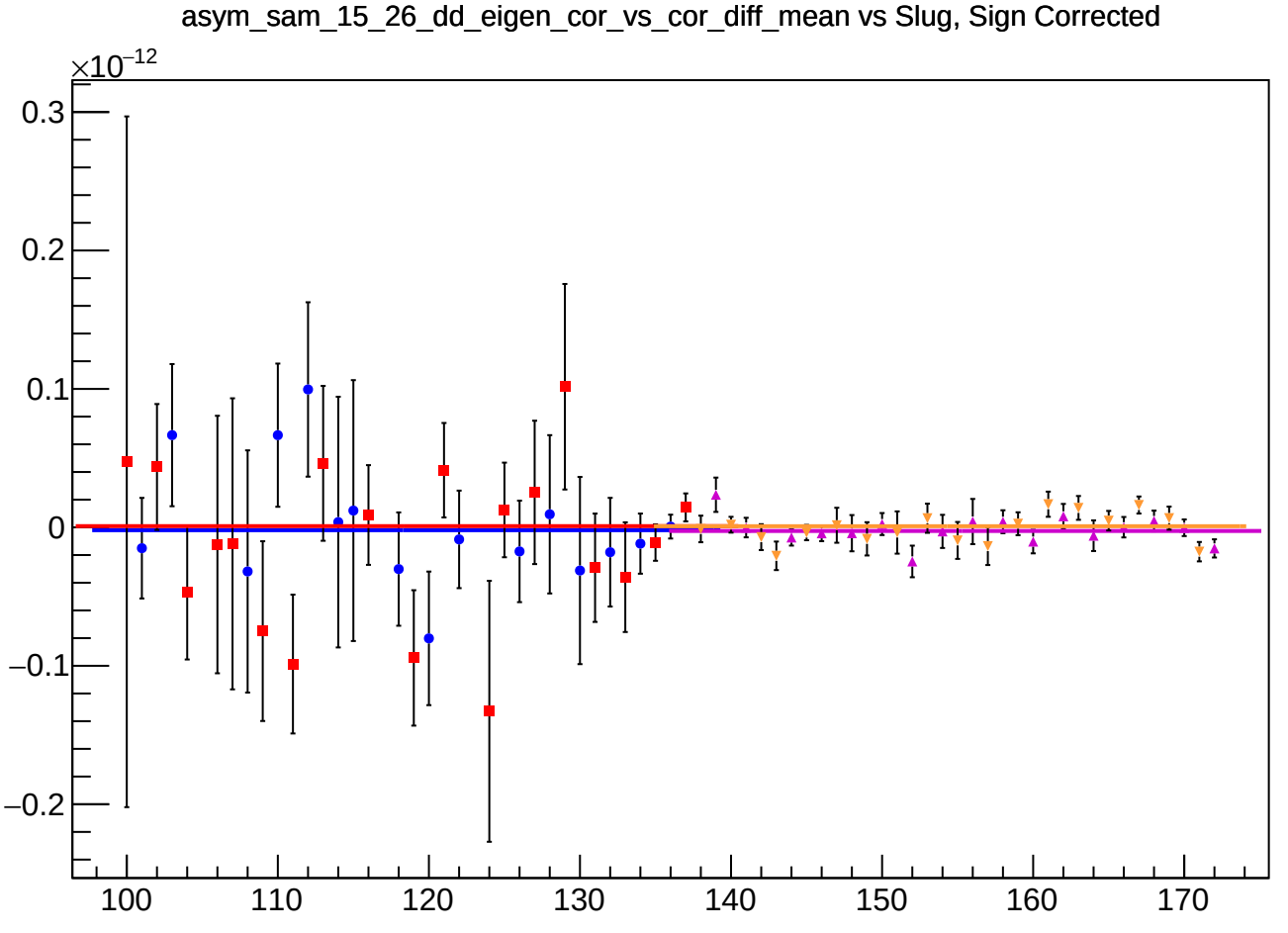
Left: 29.248+/-0.004 χ^2/NDF: 2325977.1/34

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 29.408+/-0.005 χ^2/NDF:2605978.9/32

Out: 29.432+/-0.005 χ^2/NDF:3265446.8/36

All: 29.420+/-0.003 χ^2/NDF: 5871438.2/69



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:27.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:17.5/16

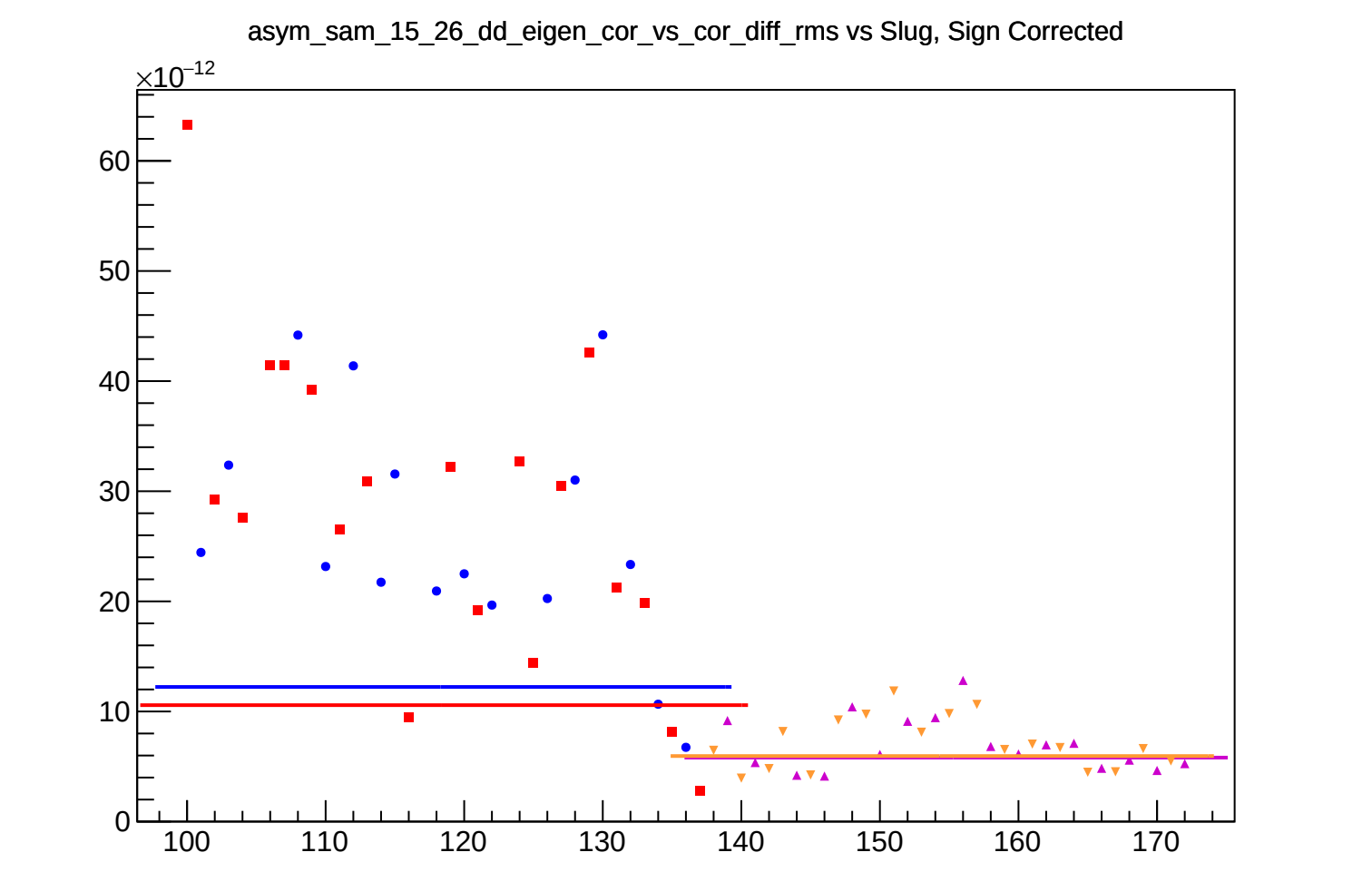
Left: -0.000+/-0.000 χ^2/NDF: 46.8/34

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:49.2/36

All: -0.000+/-0.000 χ^2/NDF: 78.7/69



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1961522.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1670501.9/16

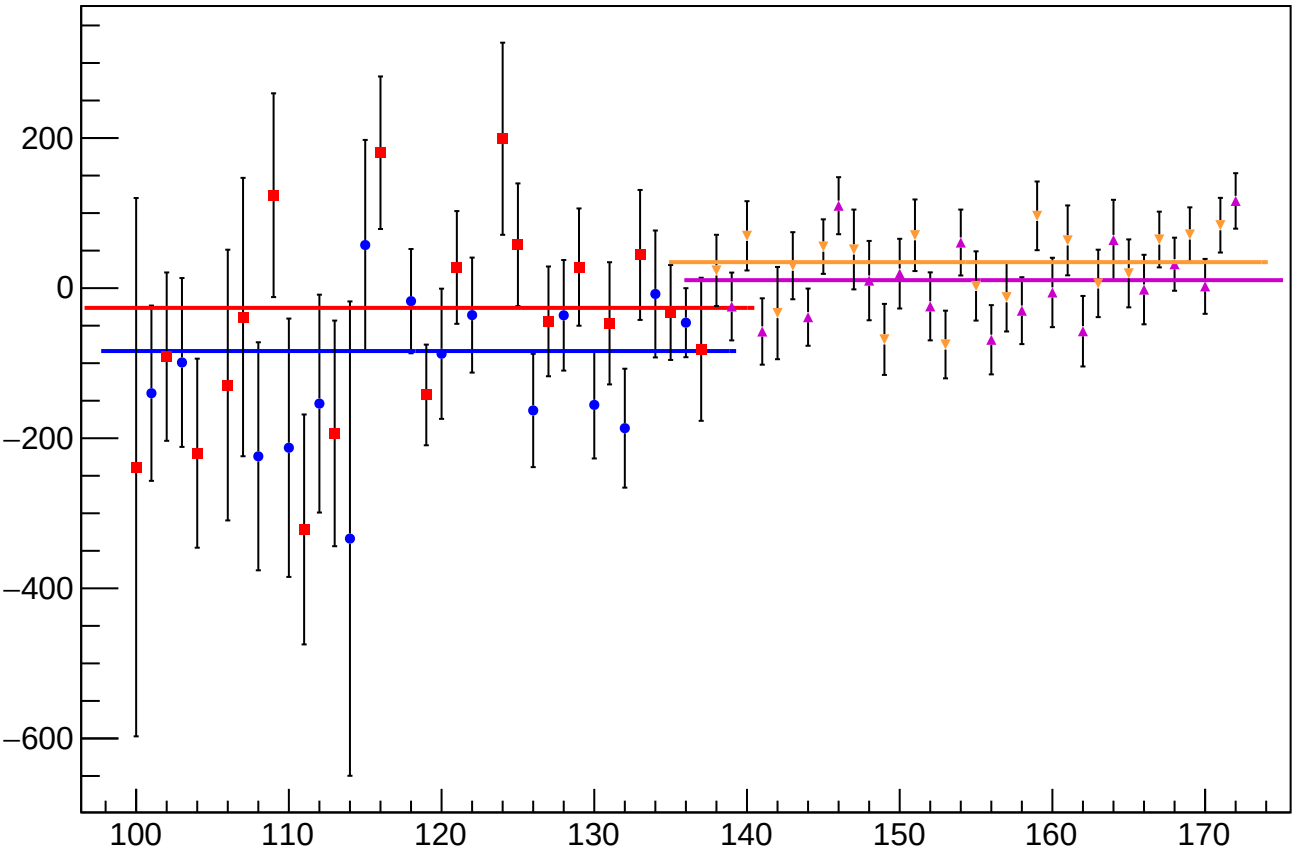
Left: 0.000+/-0.000 χ^2/NDF: 3637186.4/34

Right: 0.000+/-0.000 χ^2/NDF: 8268115.2/34

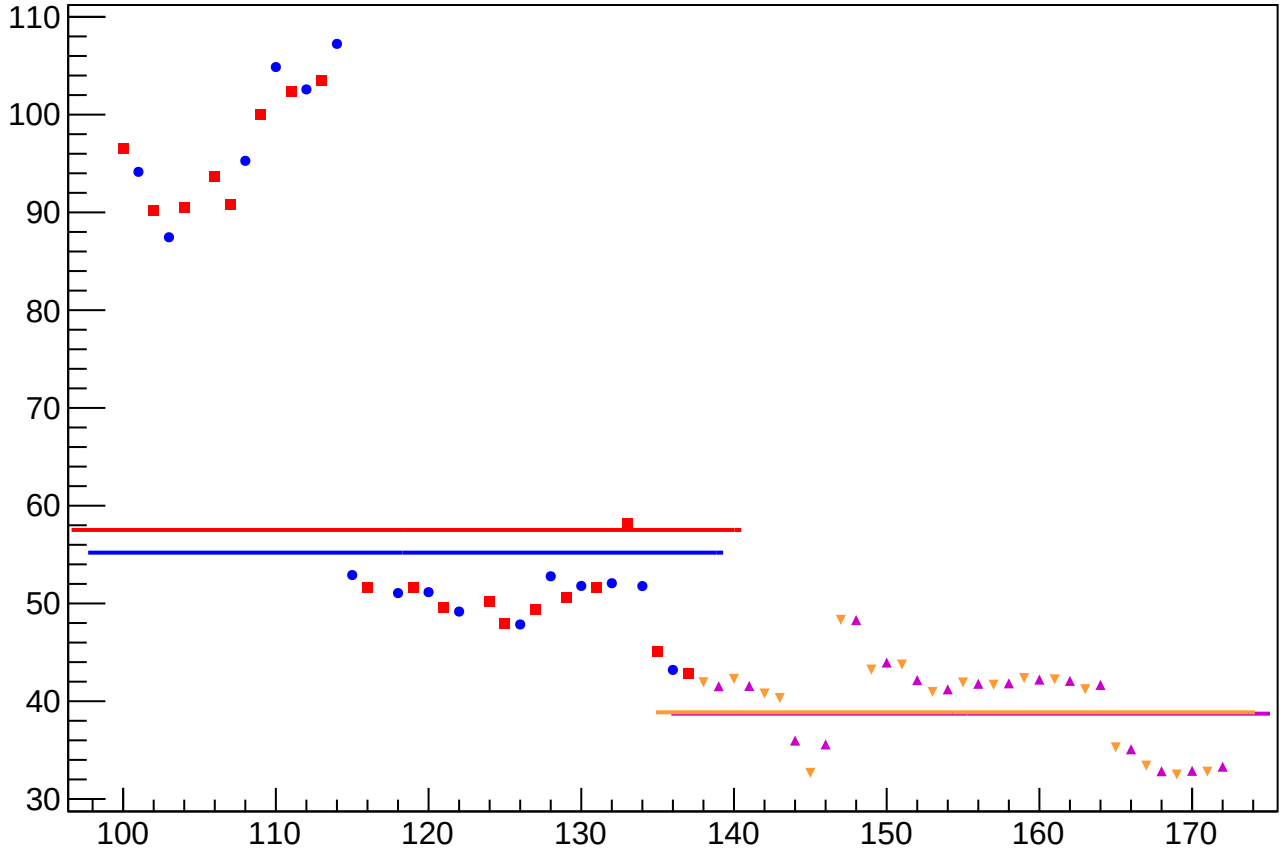
In: 0.000+/-0.000 χ^2/NDF:6745009.6/32

Out: 0.000+/-0.000 χ^2/NDF:7615899.1/36

All: 0.000+/-0.000 χ^2/NDF: 14361219.4/69


reg_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: -83.808+/-21.434 χ²/NDF: 10.5/15
Left Out: 34.632+/-10.379 χ²/NDF:21.3/17
Right Out: -26.301+/-22.067 χ²/NDF: 23.0/18
Left In: 10.637+/-10.427 χ²/NDF:29.1/16
Left: 22.689+/-7.356 χ²/NDF: 53.0/34
Right: -55.890+/-15.375 χ²/NDF: 37.0/34
In: -7.435+/-9.376 χ²/NDF:55.3/32
Out: 23.593+/-9.392 χ²/NDF:50.5/36
All: 8.052+/-6.636 χ²/NDF: 111.3/69

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: 38.867+/-0.007 χ^2/NDF:404569.7/17

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 38.729+/-0.007 χ^2/NDF:357019.3/16

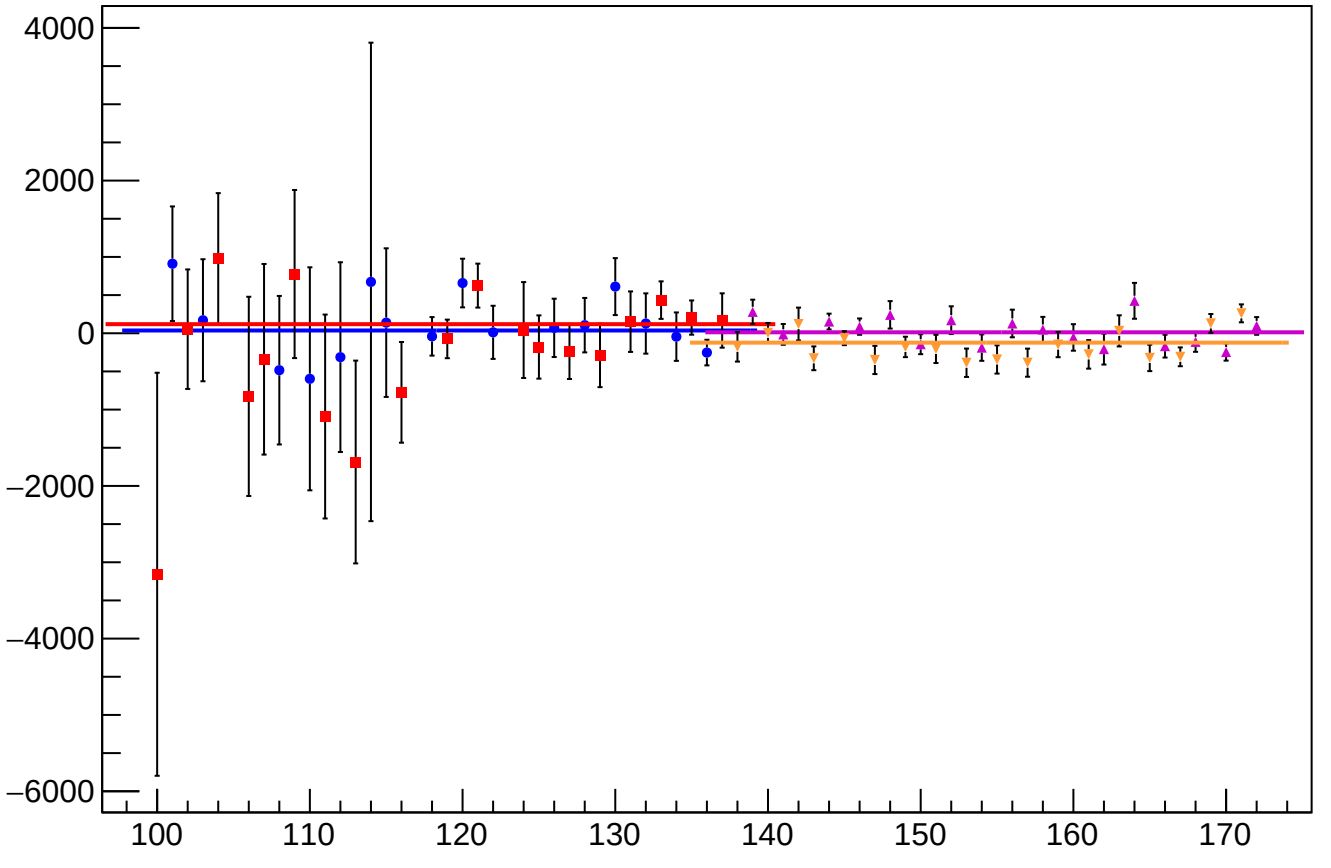
Left: 38.799+/-0.005 χ^2/NDF: 761764.8/34

Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 41.880+/-0.007 χ^2/NDF:2464305.9/32

Out: 42.246+/-0.007 χ^2/NDF:2856390.3/36

All: 42.063+/-0.005 χ^2/NDF: 5322214.8/69



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -122.961+/-35.434 χ^2/NDF:31.6/17

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: -53.976+/-24.828 χ^2/NDF: 62.3/34

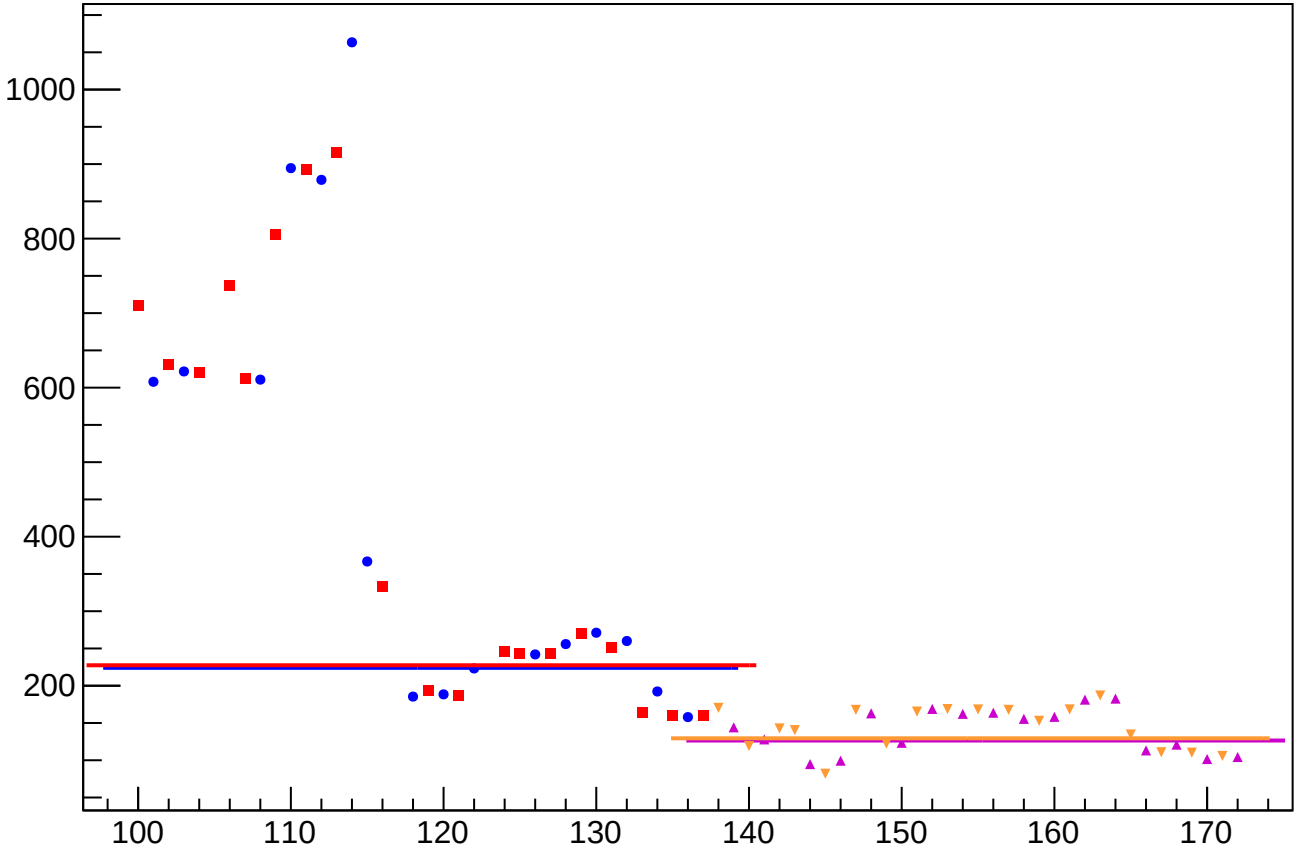
Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 15.444+/-32.615 χ^2/NDF:34.8/32

Out: -93.841+/-33.235 χ^2/NDF:53.2/36

All: -38.170+/-23.279 χ^2/NDF: 93.5/69

asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 129.442+/-0.025 χ^2/NDF:1550259.9/17

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 126.468+/-0.025 χ^2/NDF:1280966.8/16

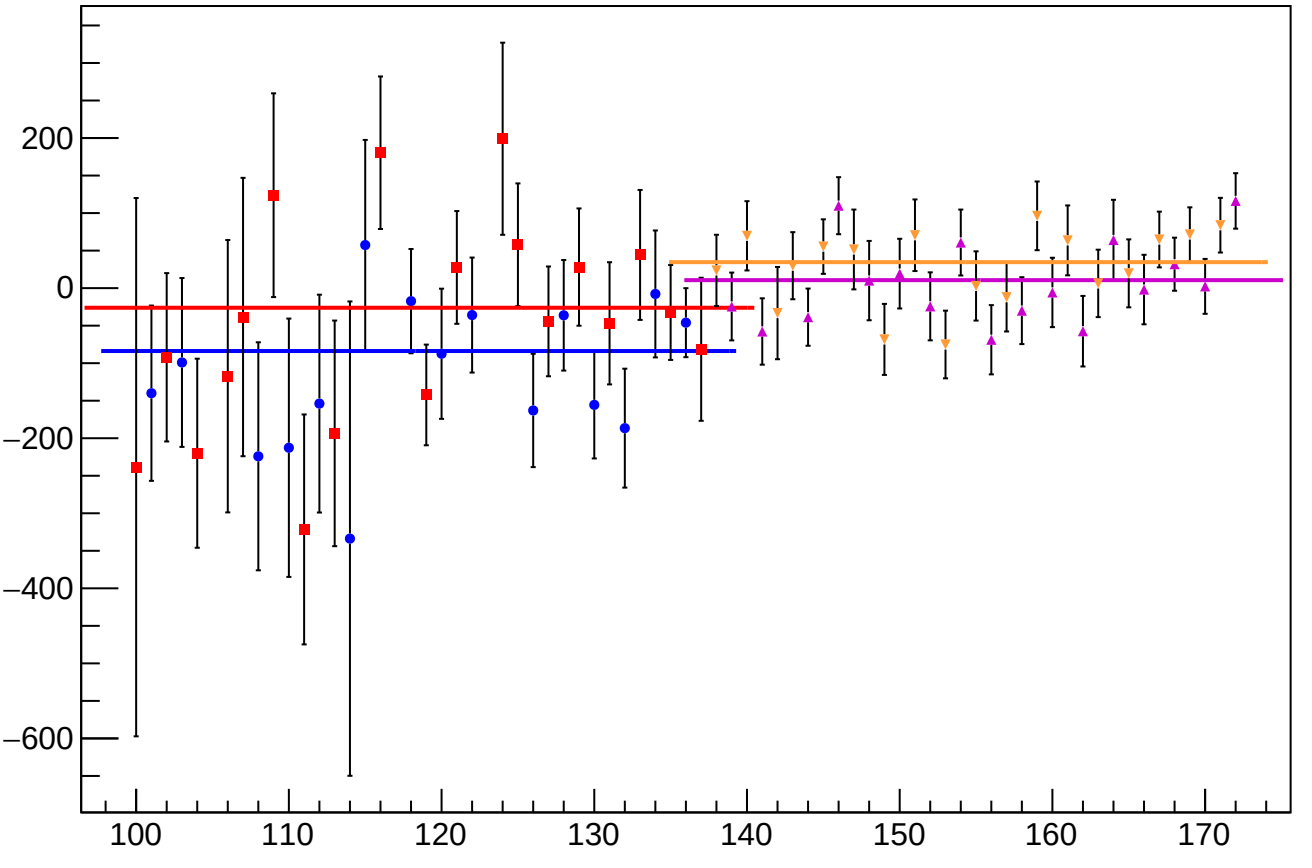
Left: 127.928+/-0.018 χ^2/NDF: 2838402.8/34

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 138.325+/-0.023 χ^2/NDF:6159862.6/32

Out: 141.230+/-0.024 χ^2/NDF:7031121.9/36

All: 139.750+/-0.016 χ^2/NDF: 13198770.1/69



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 34.633+/-10.379 χ^2/NDF:21.3/17

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: 22.689+/-7.356 χ^2/NDF: 53.0/34

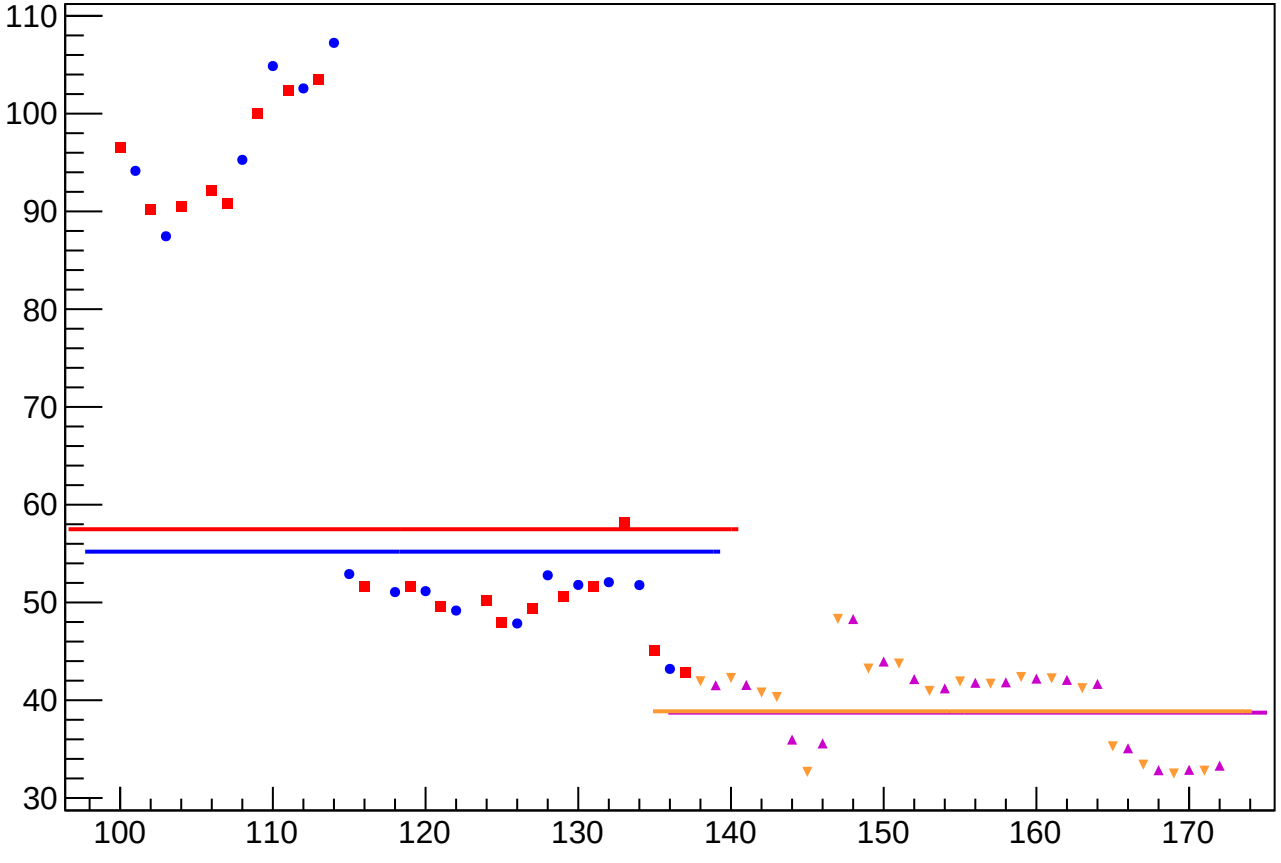
Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -7.435+/-9.376 χ^2/NDF:55.3/32

Out: 23.624+/-9.393 χ^2/NDF:50.4/36

All: 8.068+/-6.636 χ^2/NDF: 111.2/69

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: 38.867+/-0.007 χ^2/NDF:404569.7/17

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.729+/-0.007 χ^2/NDF:357019.3/16

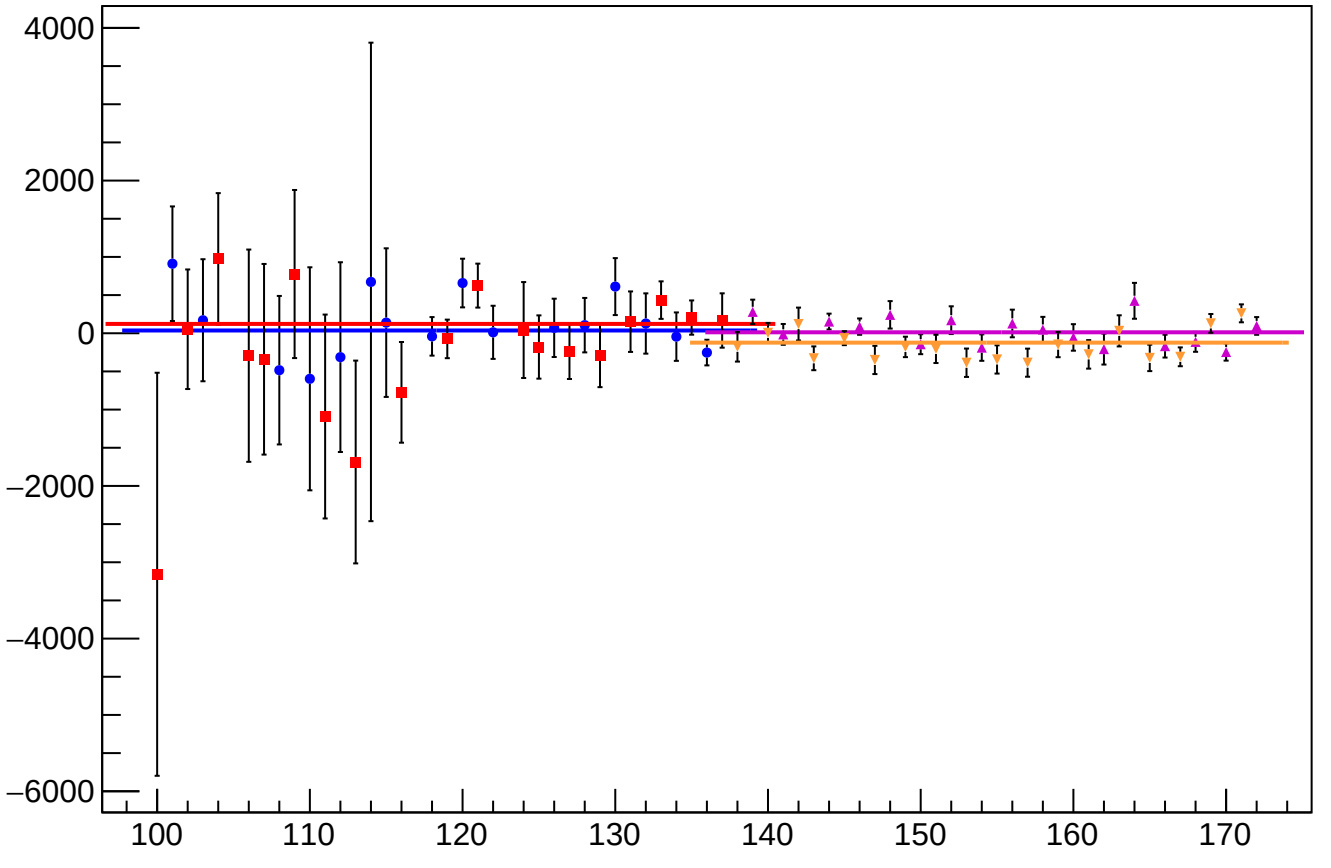
Left: 38.799+/-0.005 χ^2/NDF: 761764.8/34

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 41.880+/-0.007 χ^2/NDF:2464306.1/32

Out: 42.240+/-0.007 χ^2/NDF:2845181.4/36

All: 42.060+/-0.005 χ^2/NDF: 5310958.6/69



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -122.963+/-35.434 χ^2/NDF:31.6/17

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 12.557+/-34.798 χ^2/NDF:23.3/16

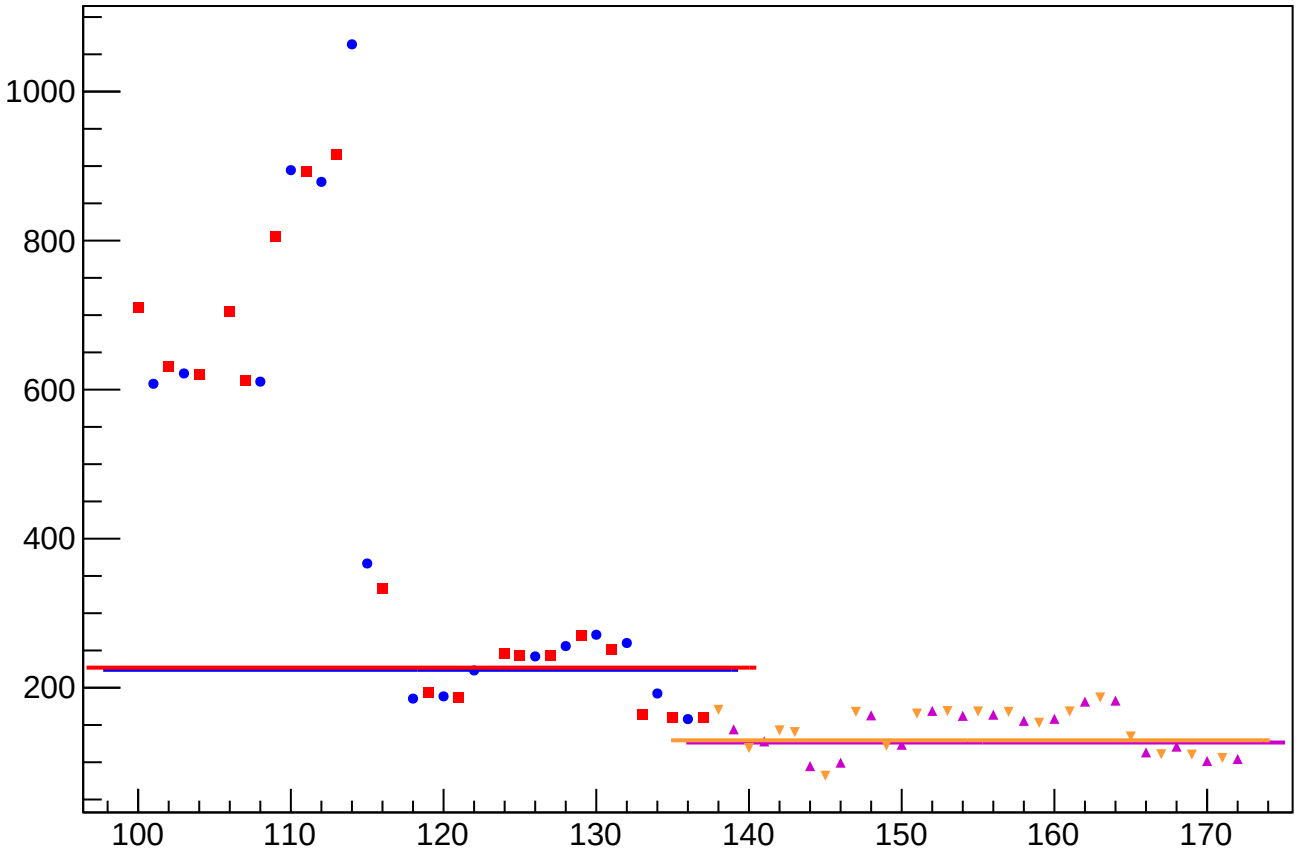
Left: -53.976+/-24.828 χ^2/NDF: 62.3/34

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 15.446+/-32.615 χ^2/NDF:34.8/32

Out: -93.484+/-33.236 χ^2/NDF:52.9/36

All: -37.992+/-23.279 χ^2/NDF: 93.1/69



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 129.442+/-0.025 χ^2/NDF:1550263.4/17

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 126.468+/-0.025 χ^2/NDF:1280974.8/16

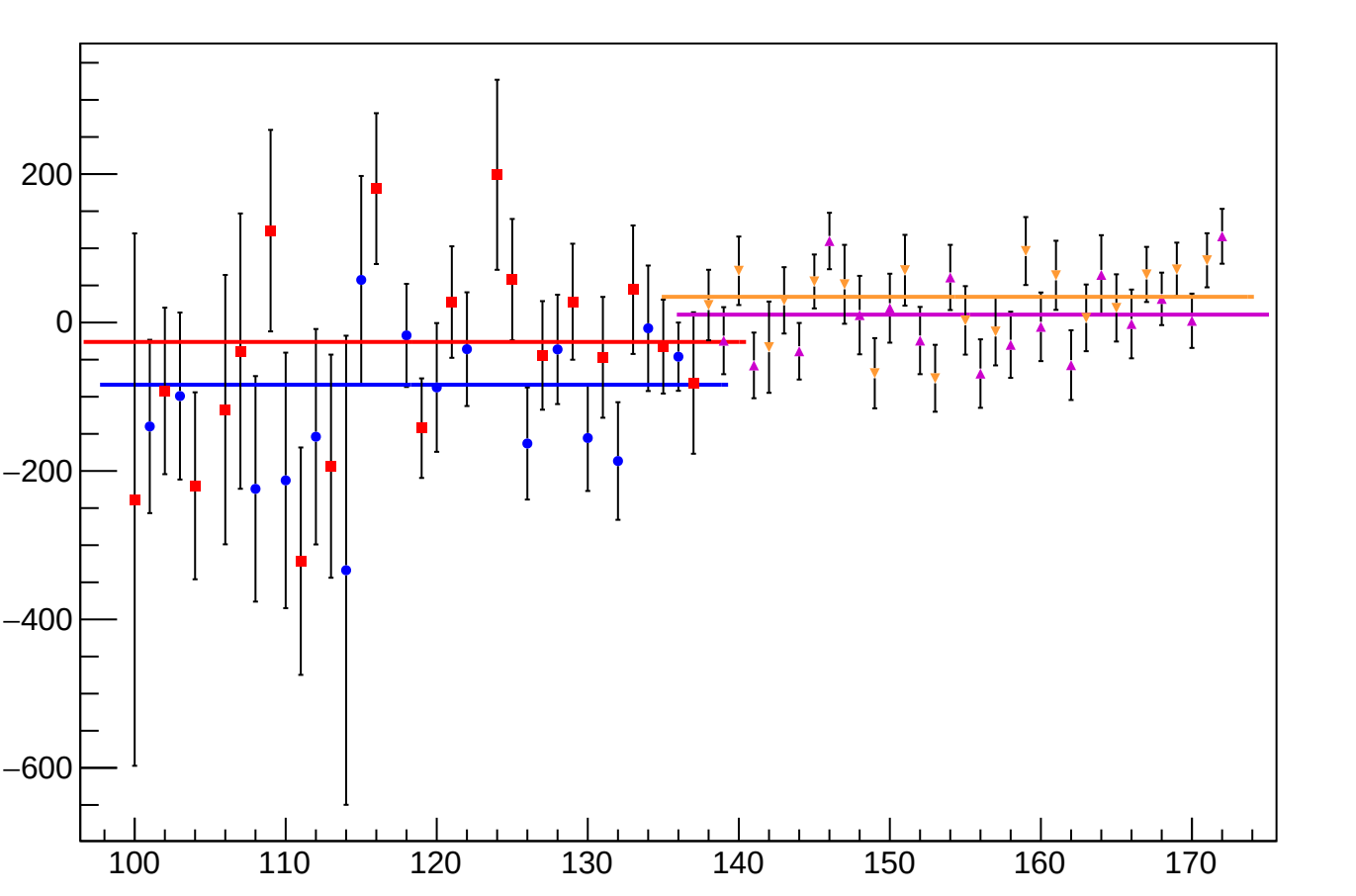
Left: 127.928+/-0.018 χ^2/NDF: 2838414.6/34

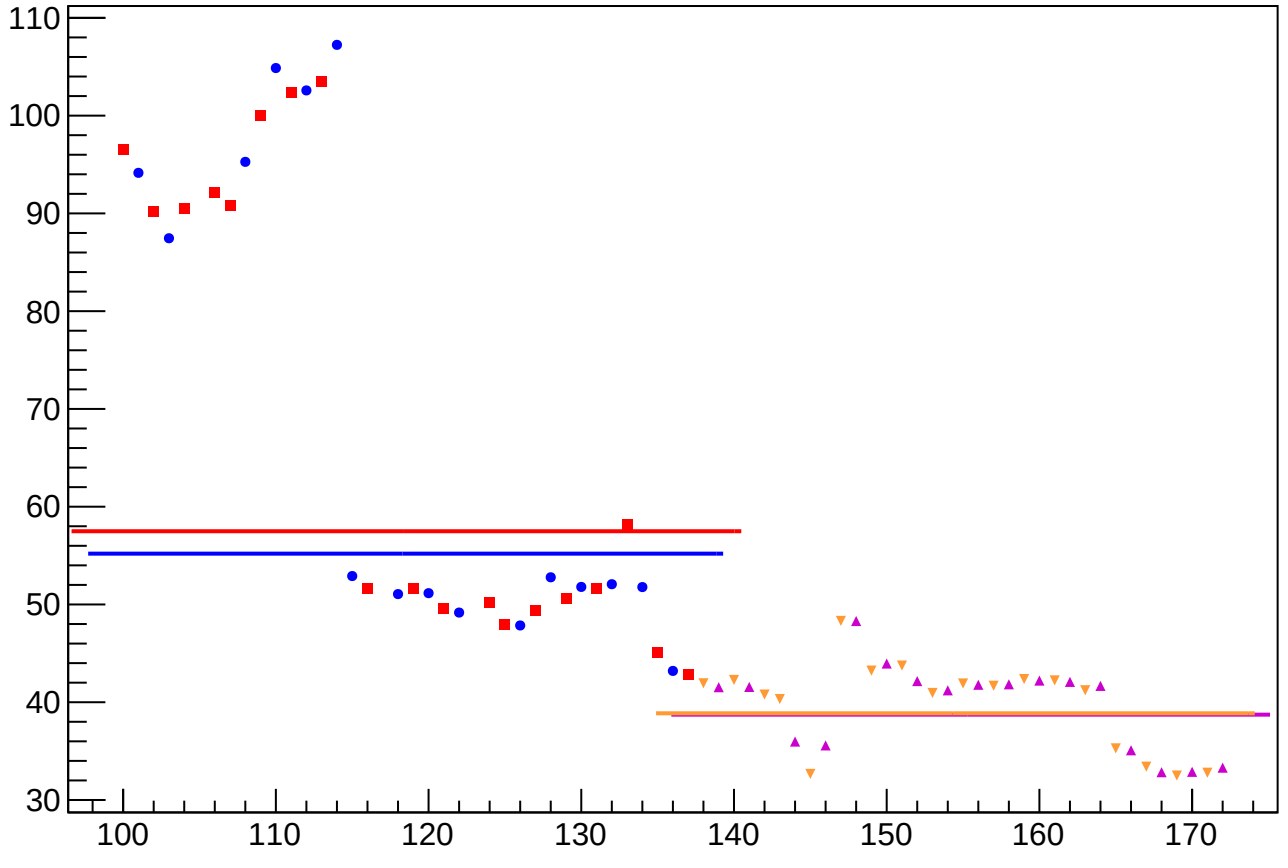
Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 138.325+/-0.023 χ^2/NDF:6159882.1/32

Out: 141.165+/-0.024 χ^2/NDF:6943415.5/36

All: 139.718+/-0.016 χ^2/NDF: 13110741.7/69


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: 34.633+/-10.379 χ²/NDF:21.3/17
Right Out: -26.142+/-22.069 χ²/NDF: 22.9/18
Left In: 10.636+/-10.427 χ²/NDF:29.1/16
Left: 22.689+/-7.356 χ²/NDF: 53.0/34
Right: -55.815+/-15.376 χ²/NDF: 37.0/34
In: -7.435+/-9.376 χ²/NDF:55.3/32
Out: 23.624+/-9.393 χ²/NDF:50.4/36
All: 8.068+/-6.636 χ²/NDF: 111.2/69



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 38.867+/-0.007 χ^2/NDF:404569.7/17

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: 38.799+/-0.005 χ^2/NDF: 761764.8/34

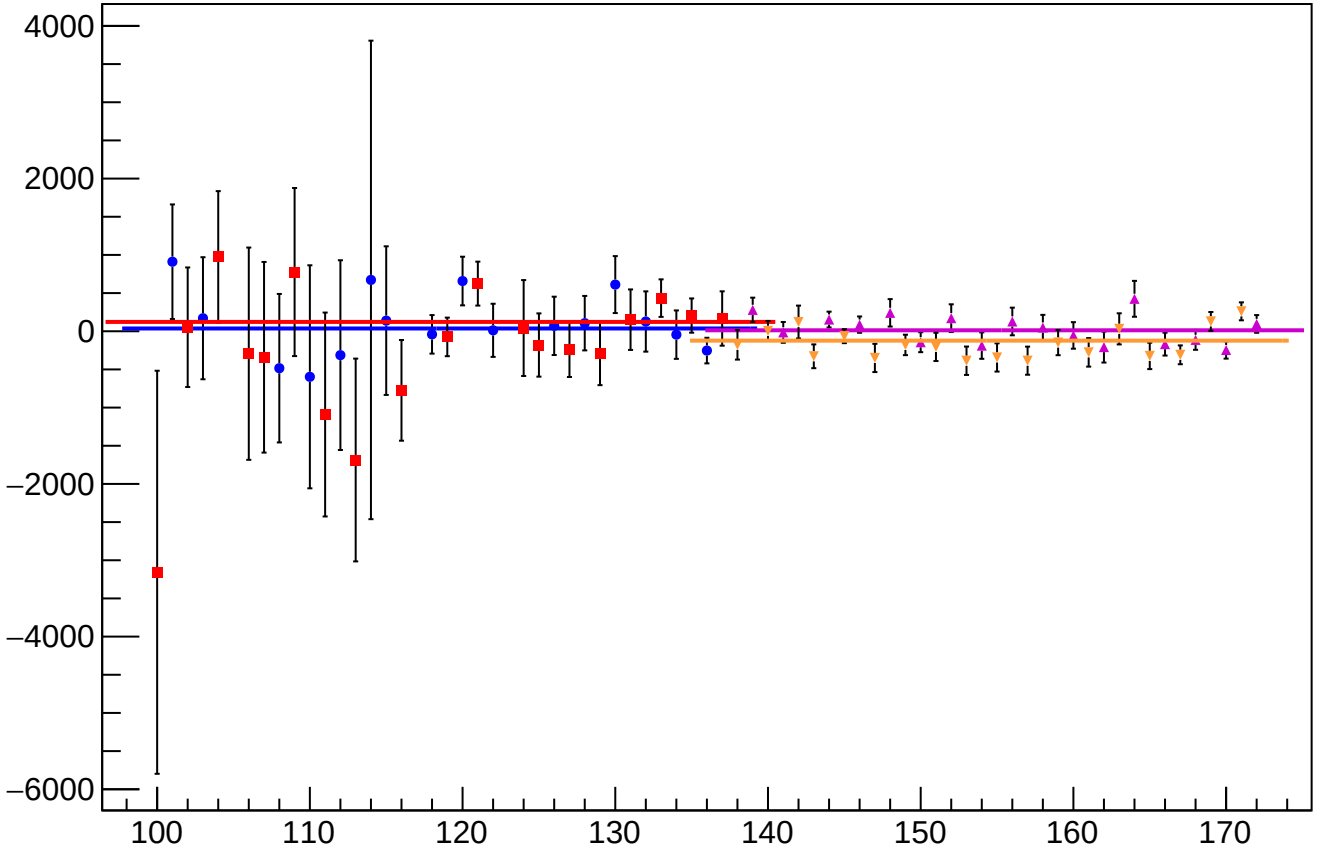
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 41.880+/-0.007 χ^2/NDF:2464306.1/32

Out: 42.240+/-0.007 χ^2/NDF:2845181.4/36

All: 42.060+/-0.005 χ^2/NDF: 5310958.6/69

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: -122.963+/-35.434 χ^2/NDF:31.6/17

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: -53.976+/-24.828 χ^2/NDF: 62.3/34

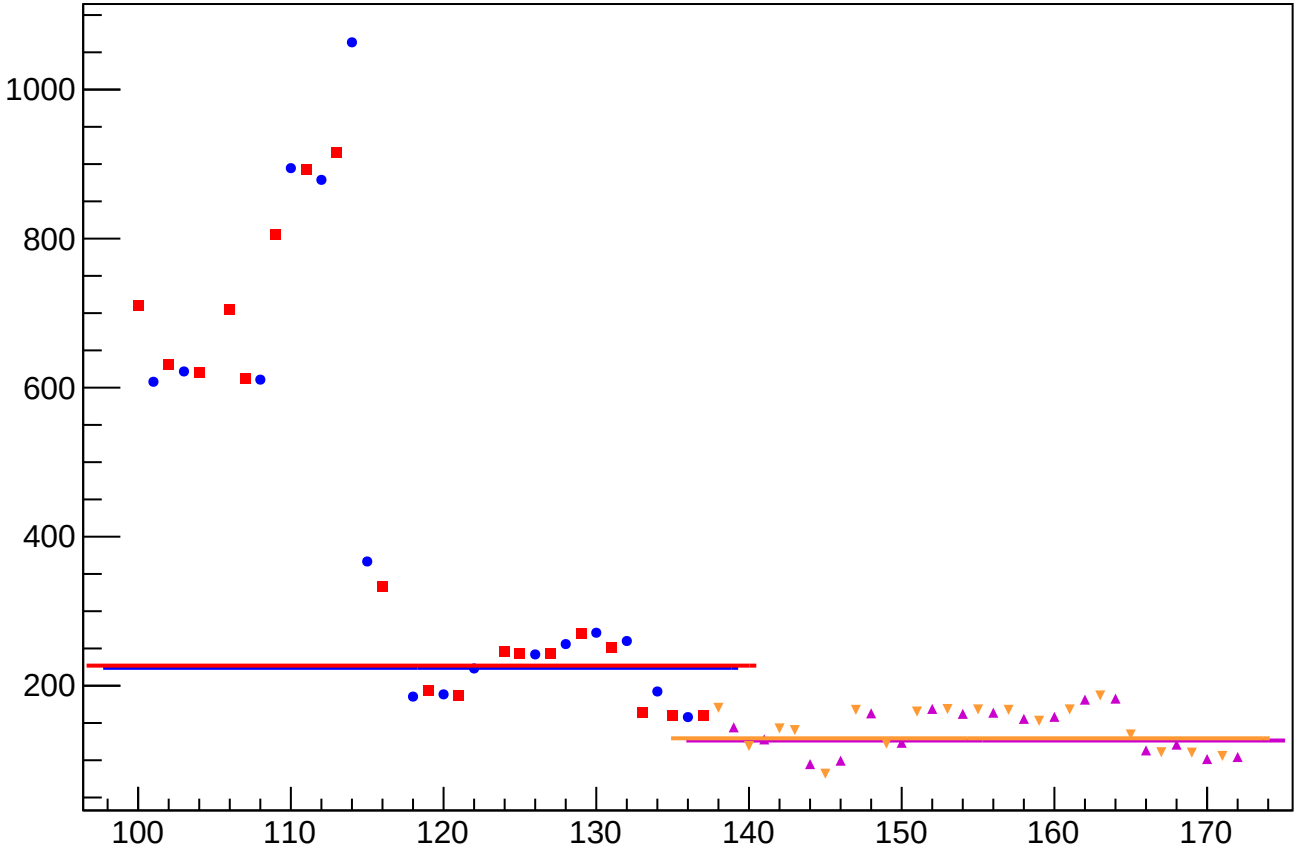
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 15.446+/-32.615 χ^2/NDF:34.8/32

Out: -93.484+/-33.236 χ^2/NDF:52.9/36

All: -37.992+/-23.279 χ^2/NDF: 93.1/69

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 129.442+/-0.025 χ^2/NDF:1550263.4/17

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 126.468+/-0.025 χ^2/NDF:1280974.8/16

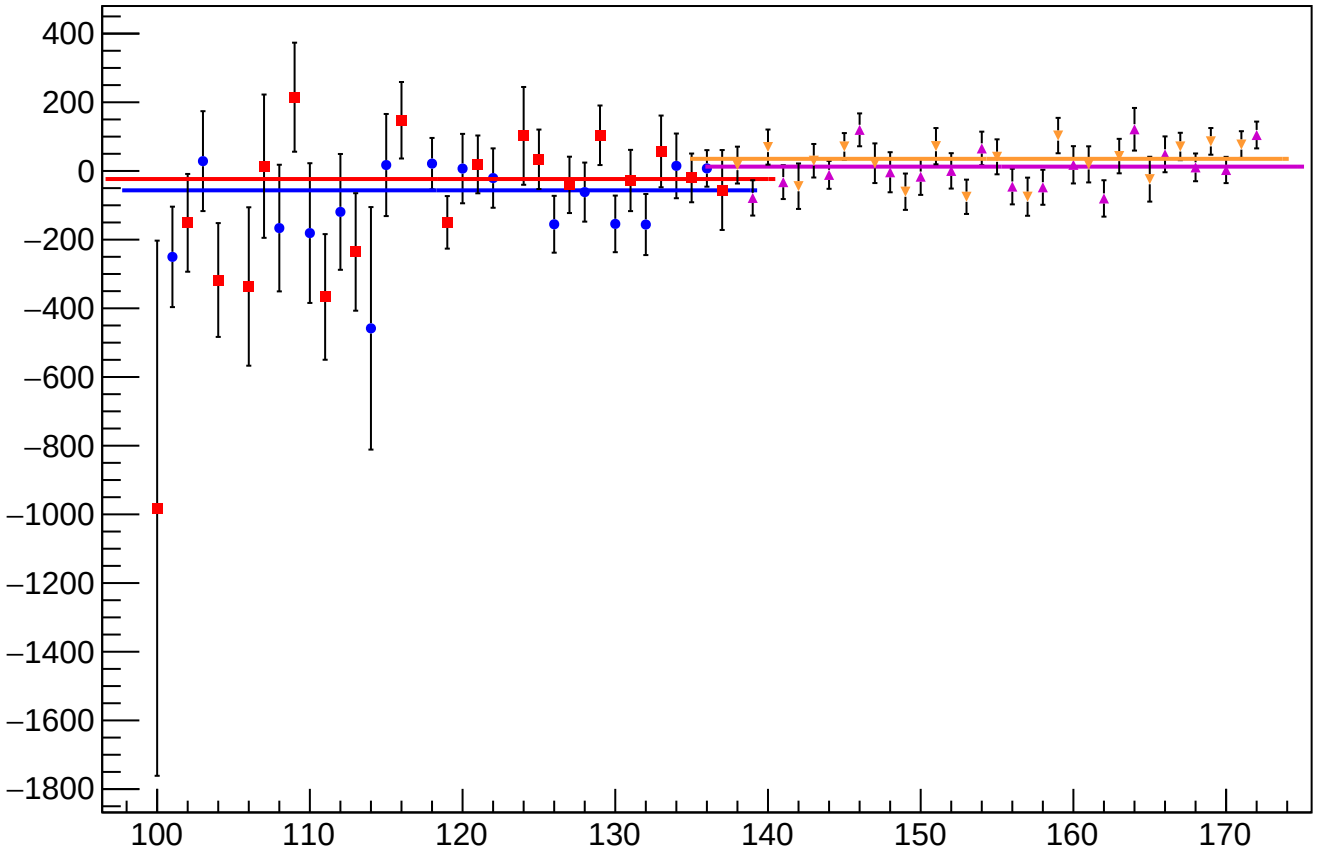
Left: 127.928+/-0.018 χ^2/NDF: 2838414.6/34

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 138.325+/-0.023 χ^2/NDF:6159882.1/32

Out: 141.165+/-0.024 χ^2/NDF:6943415.5/36

All: 139.718+/-0.016 χ^2/NDF: 13110741.7/69



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 35.315+/-11.562 χ^2/NDF:21.9/17

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: 12.596+/-11.698 χ^2/NDF:25.8/16

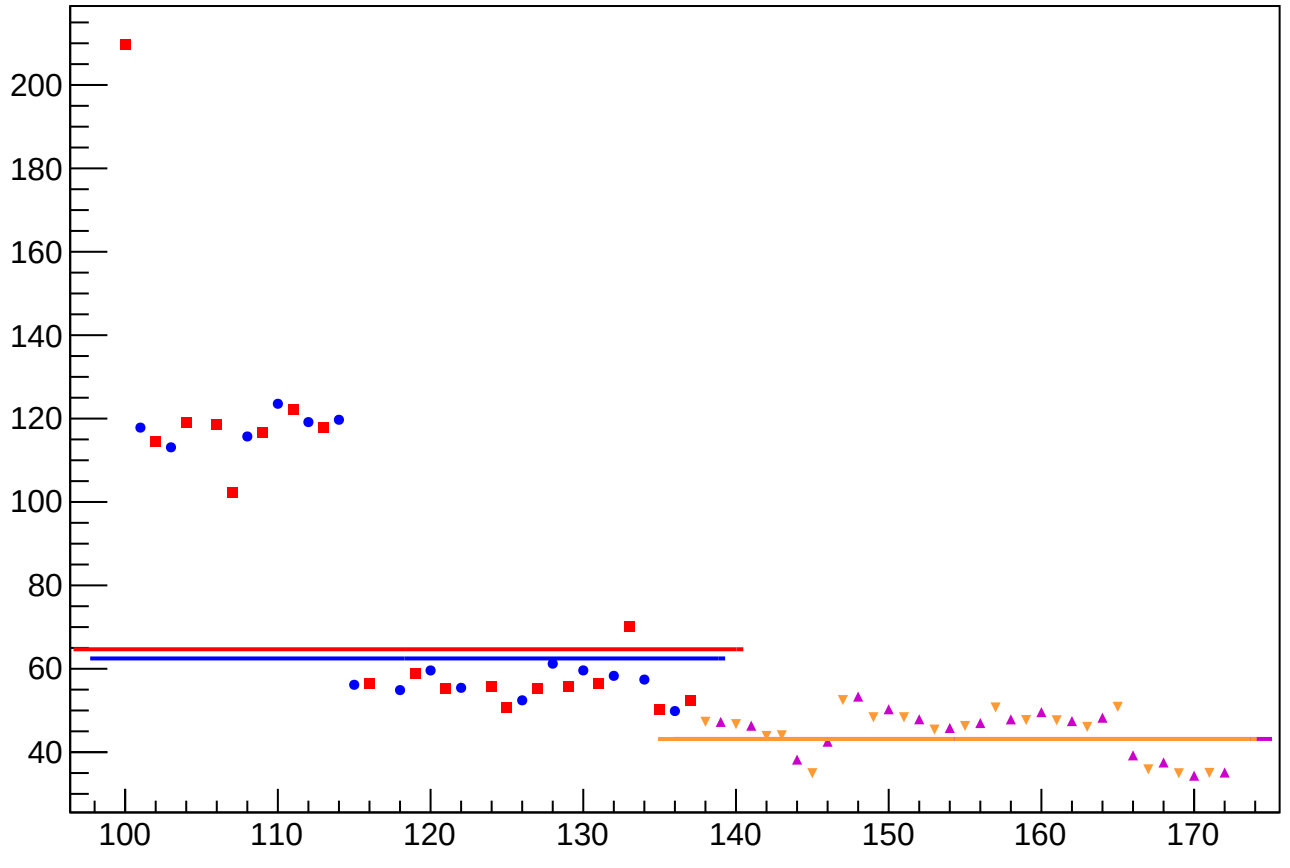
Left: 24.088+/-8.223 χ^2/NDF: 49.6/34

Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -0.226+/-10.556 χ^2/NDF:44.6/32

Out: 25.061+/-10.506 χ^2/NDF:50.5/36

All: 12.477+/-7.446 χ^2/NDF: 97.9/69



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 43.153+/-0.008 χ^2/NDF:558612.5/17

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: 43.164+/-0.006 χ^2/NDF: 1052964.2/34

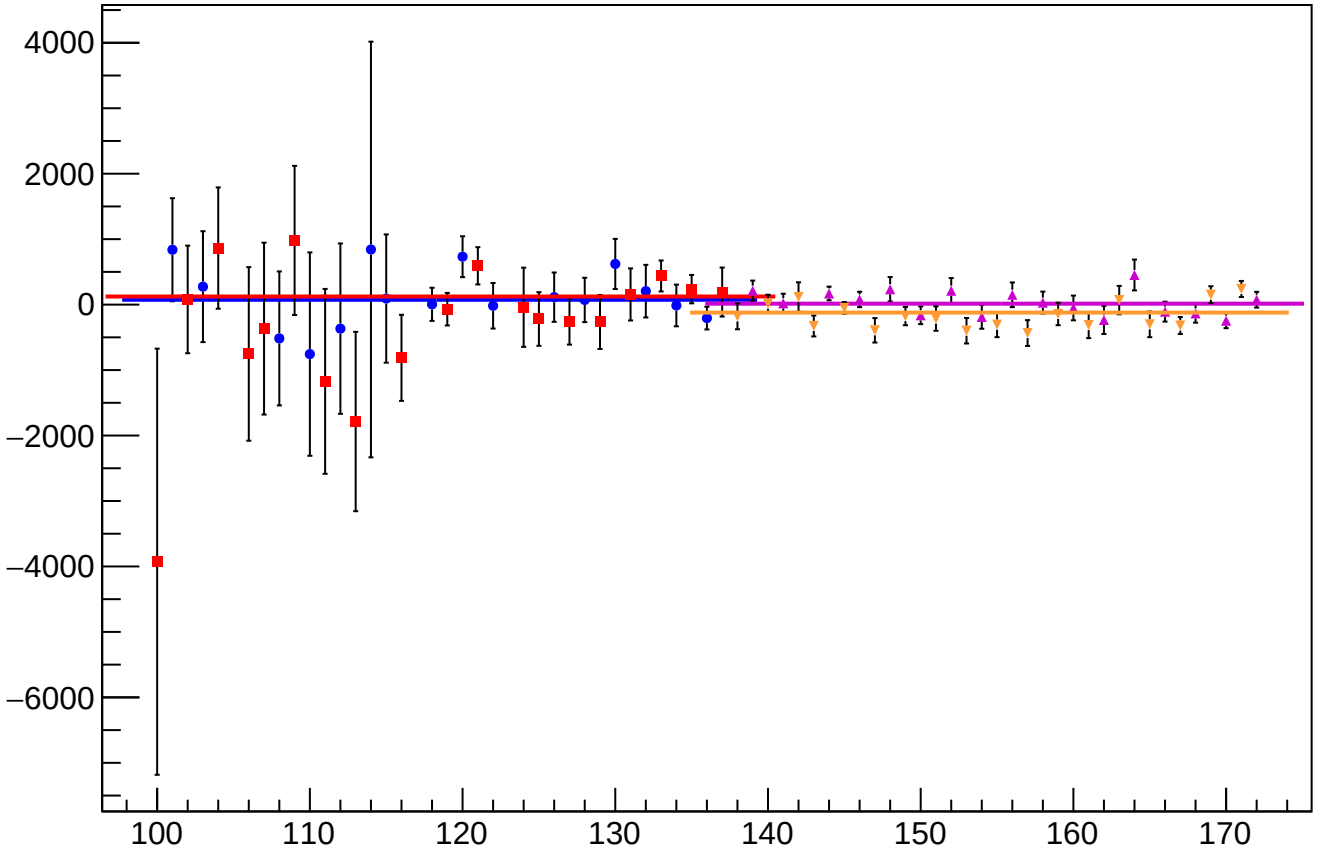
Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 46.760+/-0.007 χ^2/NDF:2853951.1/32

Out: 46.906+/-0.007 χ^2/NDF:3357910.2/36

All: 46.834+/-0.005 χ^2/NDF: 6212052.9/69

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -121.390+/-36.718 χ^2/NDF:30.3/17

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 14.253+/-36.206 χ^2/NDF:22.2/16

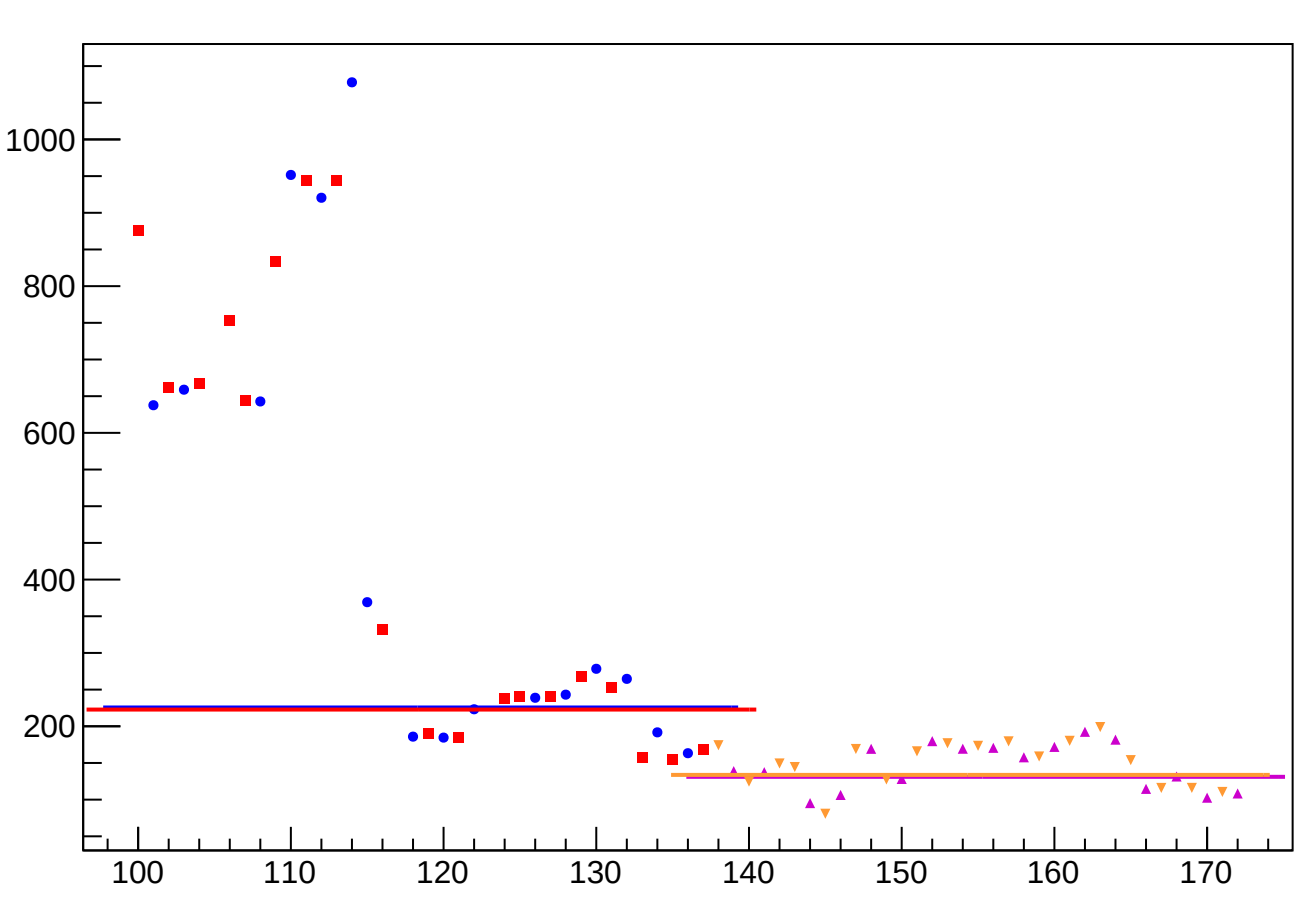
Left: -52.616+/-25.781 χ^2/NDF: 59.4/34

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 21.939+/-33.809 χ^2/NDF:33.7/32

Out: -89.274+/-34.233 χ^2/NDF:52.5/36

All: -32.974+/-24.055 χ^2/NDF: 91.6/69



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 133.730+/-0.026 χ^2/NDF:1728958.6/17

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 131.102+/-0.026 χ^2/NDF:1338306.0/16

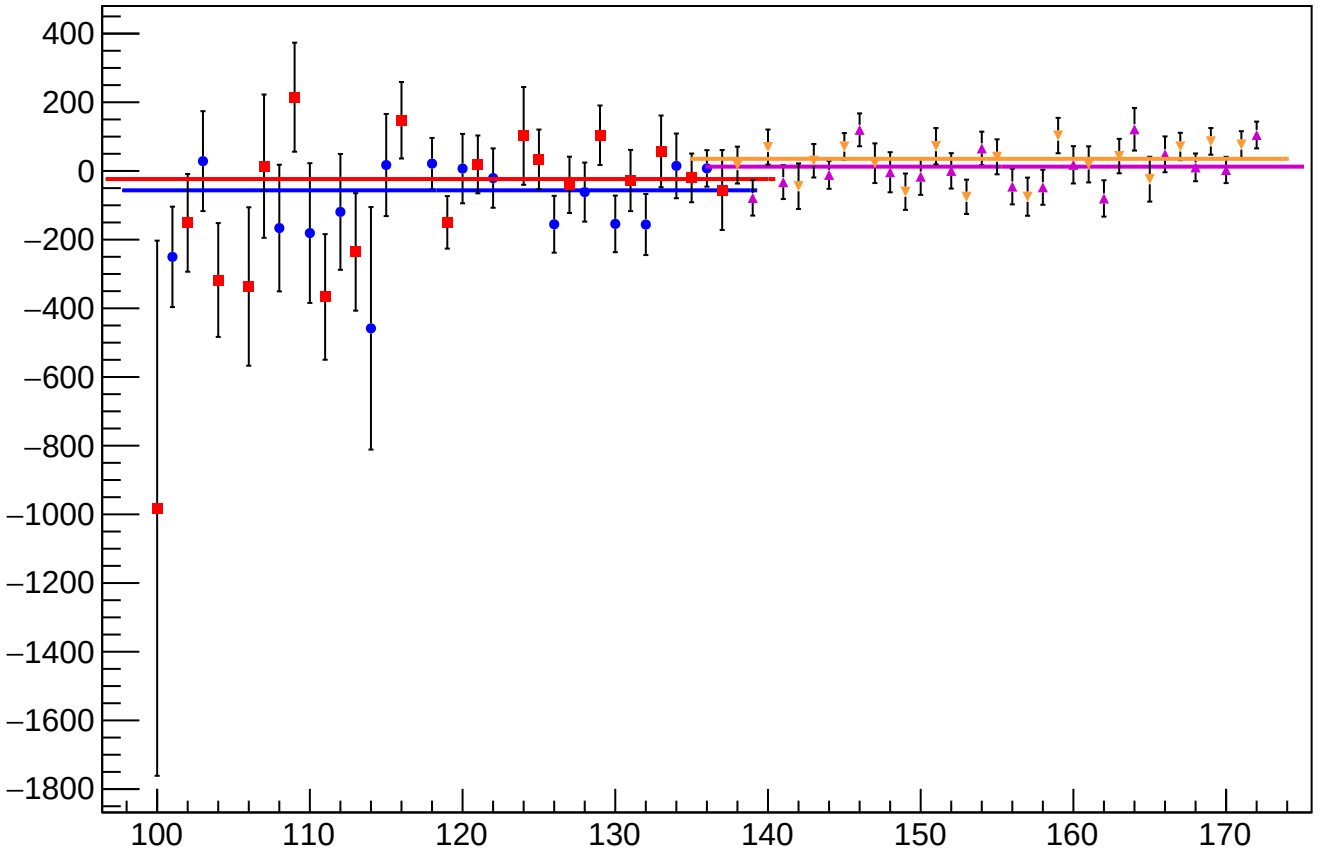
Left: 132.398+/-0.018 χ^2/NDF: 3072460.9/34

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 143.201+/-0.024 χ^2/NDF:6109017.2/32

Out: 145.376+/-0.024 χ^2/NDF:7115644.8/36

All: 144.275+/-0.017 χ^2/NDF: 13228748.8/69



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 35.316+/-11.562 χ^2/NDF:21.9/17

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: 12.596+/-11.698 χ^2/NDF:25.8/16

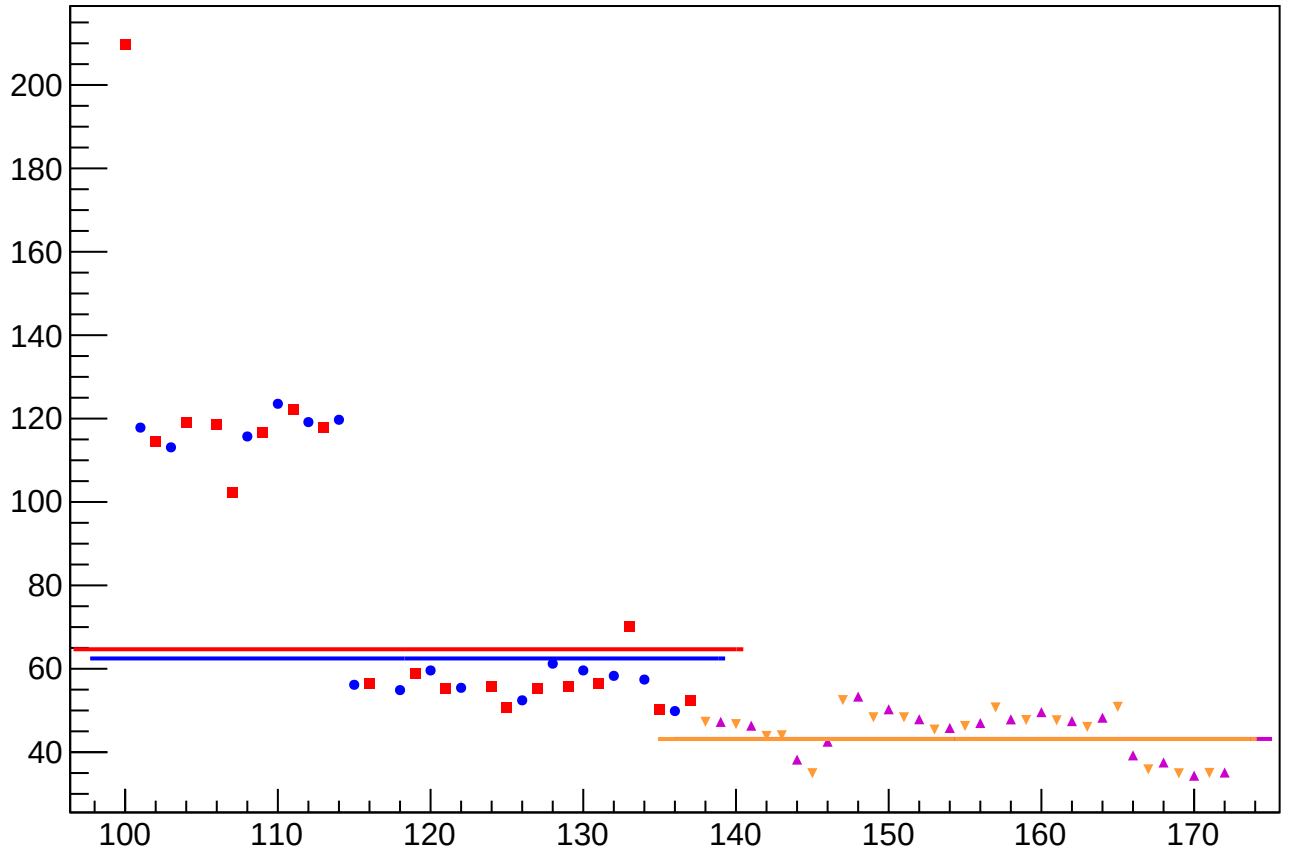
Left: 24.089+/-8.223 χ^2/NDF: 49.6/34

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -0.226+/-10.556 χ^2/NDF:44.6/32

Out: 25.061+/-10.506 χ^2/NDF:50.5/36

All: 12.477+/-7.446 χ^2/NDF: 97.9/69



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 43.153+/-0.008 χ^2/NDF:558627.4/17

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: 43.164+/-0.006 χ^2/NDF: 1052987.8/34

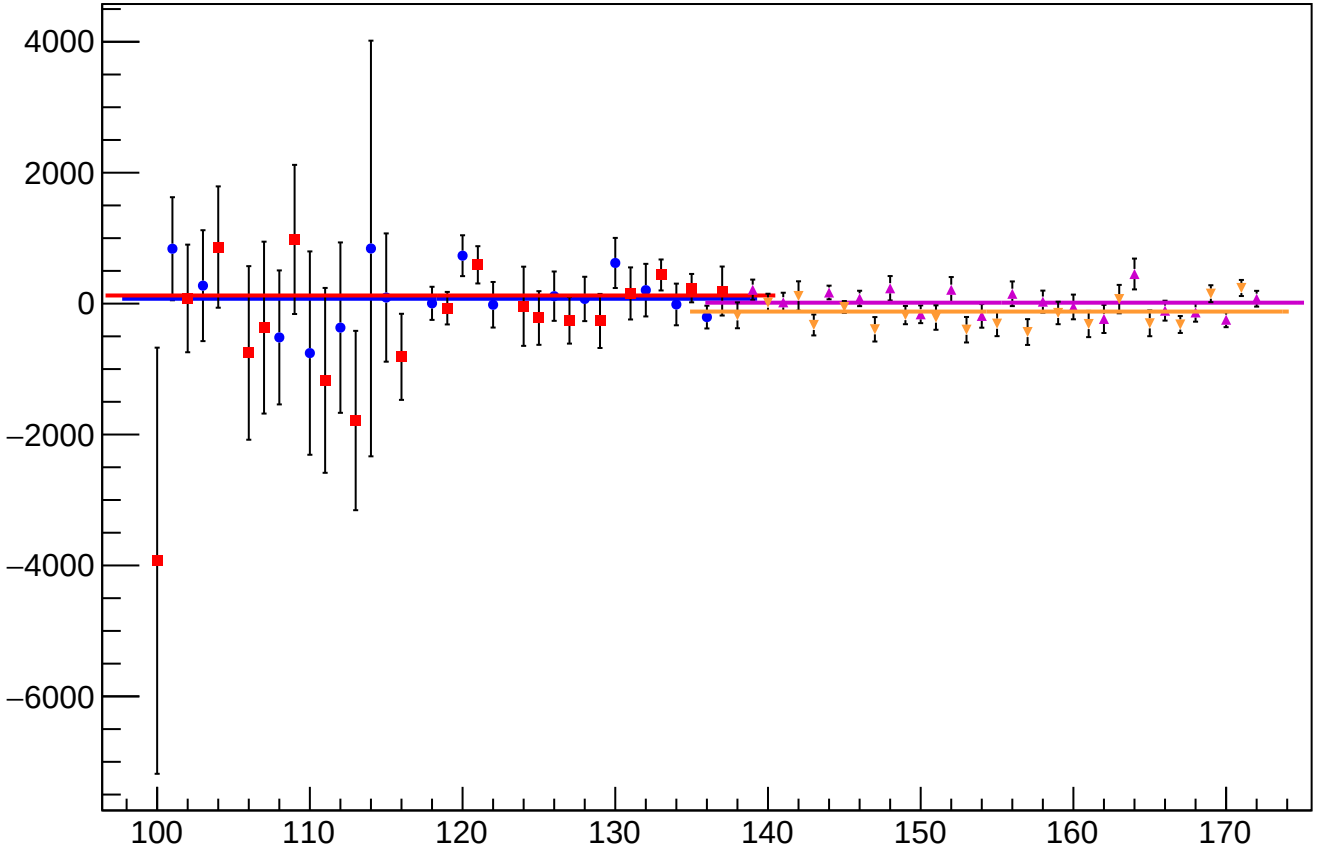
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 46.761+/-0.007 χ^2/NDF:2853894.4/32

Out: 46.906+/-0.007 χ^2/NDF:3357878.2/36

All: 46.834+/-0.005 χ^2/NDF: 6211964.3/69

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: -121.390+/-36.718 χ^2/NDF:30.3/17

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 14.253+/-36.206 χ^2/NDF:22.2/16

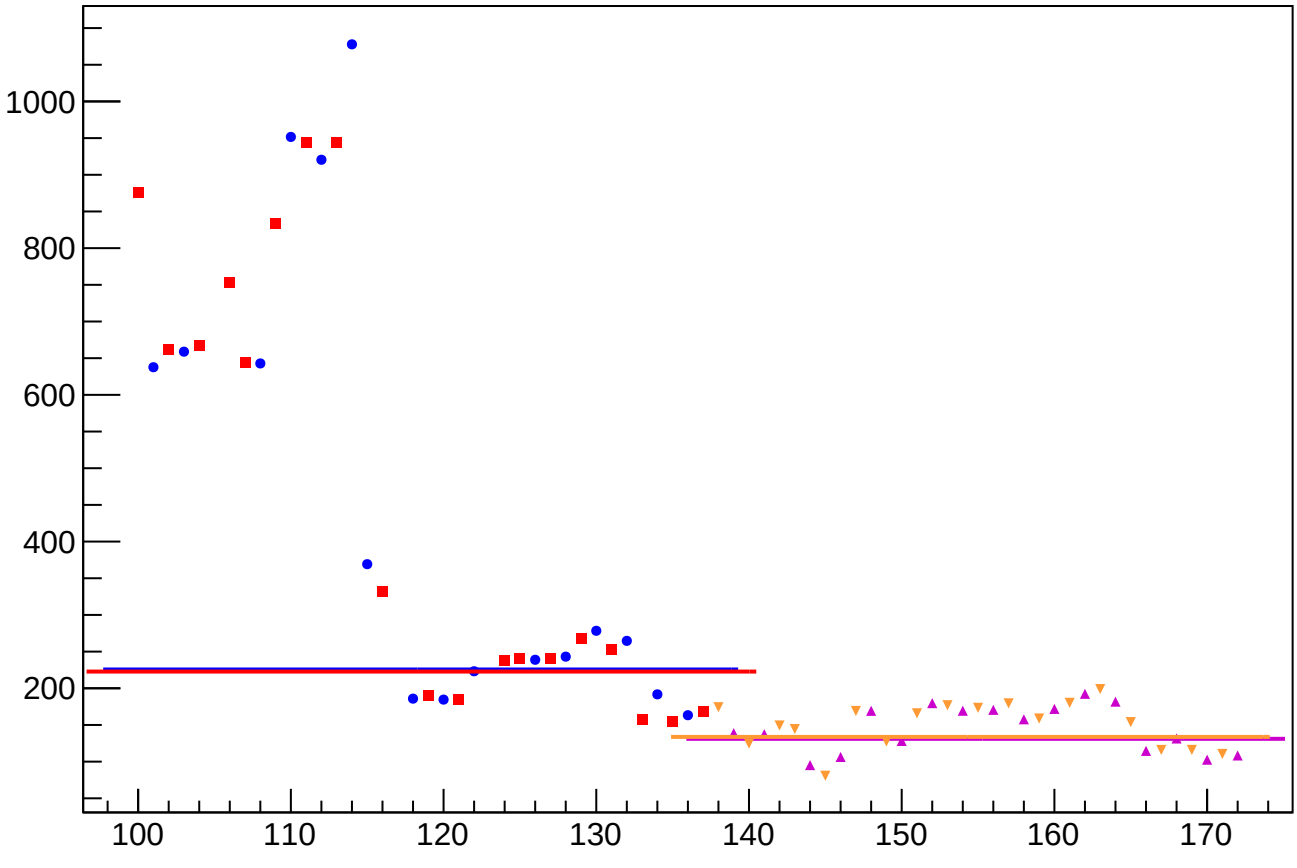
Left: -52.616+/-25.781 χ^2/NDF: 59.4/34

Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 21.940+/-33.809 χ^2/NDF:33.7/32

Out: -89.274+/-34.233 χ^2/NDF:52.5/36

All: -32.974+/-24.055 χ^2/NDF: 91.6/69



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 133.731+/-0.026 χ^2/NDF:1728943.0/17

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: 132.398+/-0.018 χ^2/NDF: 3072444.4/34

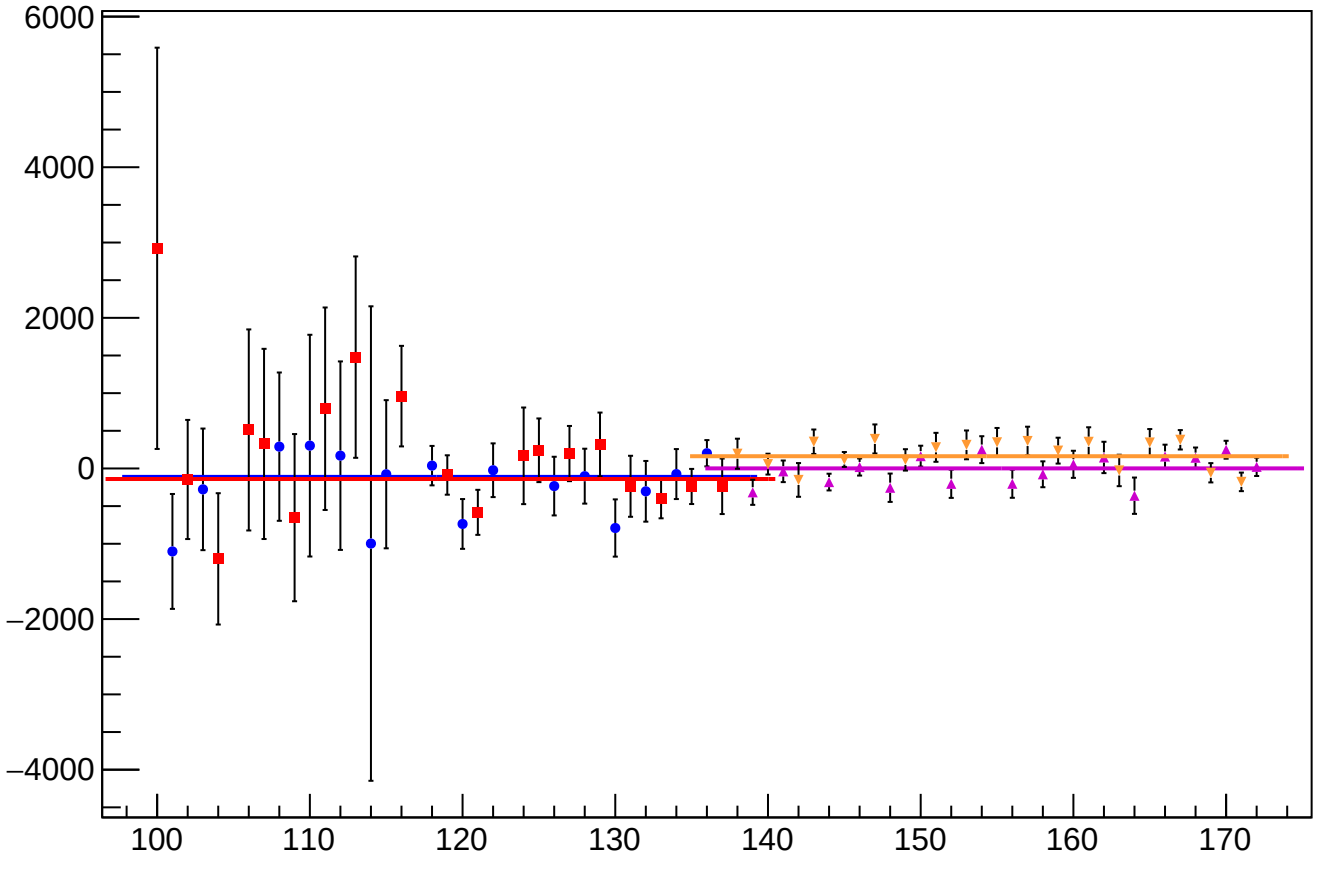
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 143.201+/-0.024 χ^2/NDF:6108996.9/32

Out: 145.377+/-0.024 χ^2/NDF:7115608.3/36

All: 144.275+/-0.017 χ^2/NDF: 13228692.9/69

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 162.513+/-37.115 χ^2/NDF:25.3/17

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: 0.932+/-36.500 χ^2/NDF:23.5/16

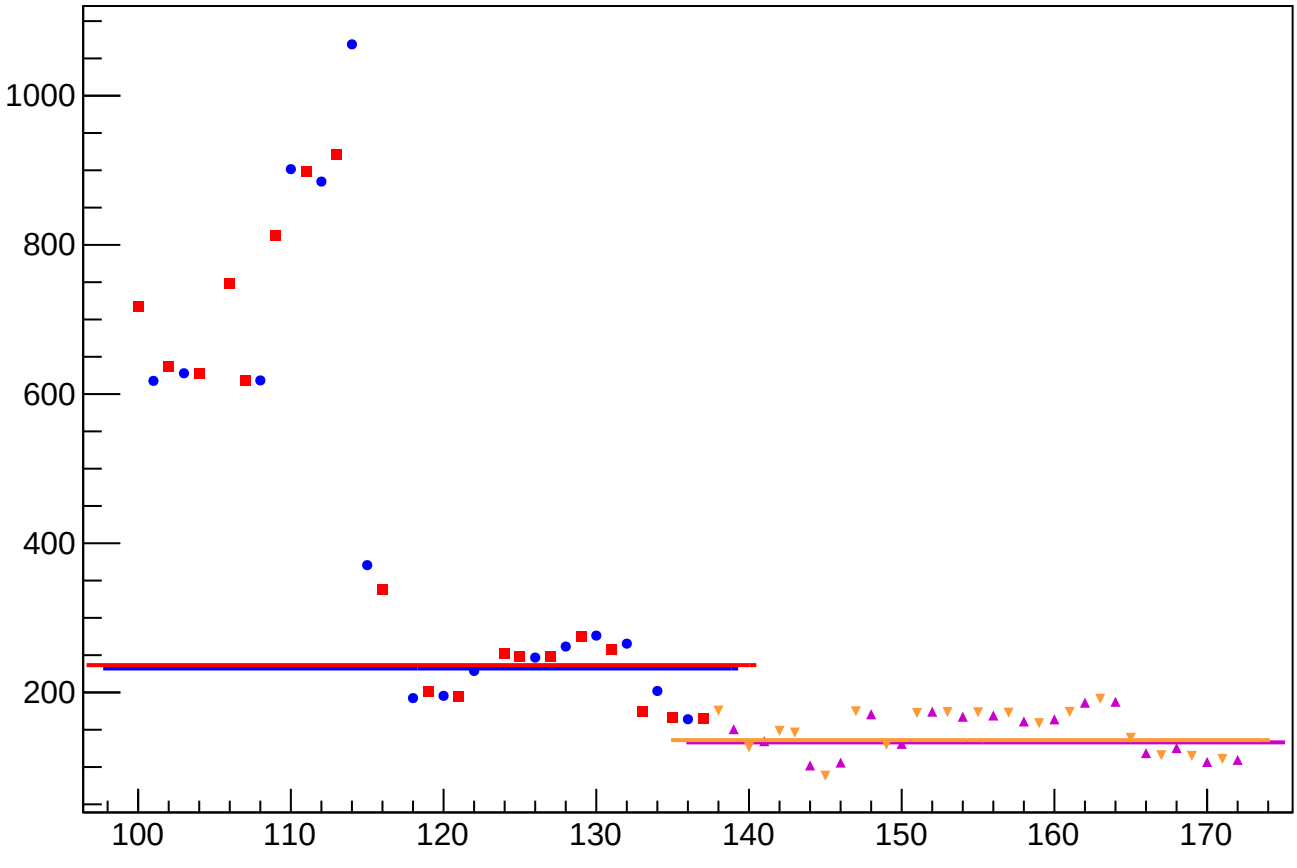
Left: 80.371+/-26.024 χ^2/NDF: 58.4/34

Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -13.179+/-34.142 χ^2/NDF:37.5/32

Out: 125.351+/-34.761 χ^2/NDF:48.1/36

All: 54.841+/-24.358 χ^2/NDF: 93.7/69



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 136.057+/-0.026 χ^2/NDF:1395121.7/17

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 133.059+/-0.026 χ^2/NDF:1156867.1/16

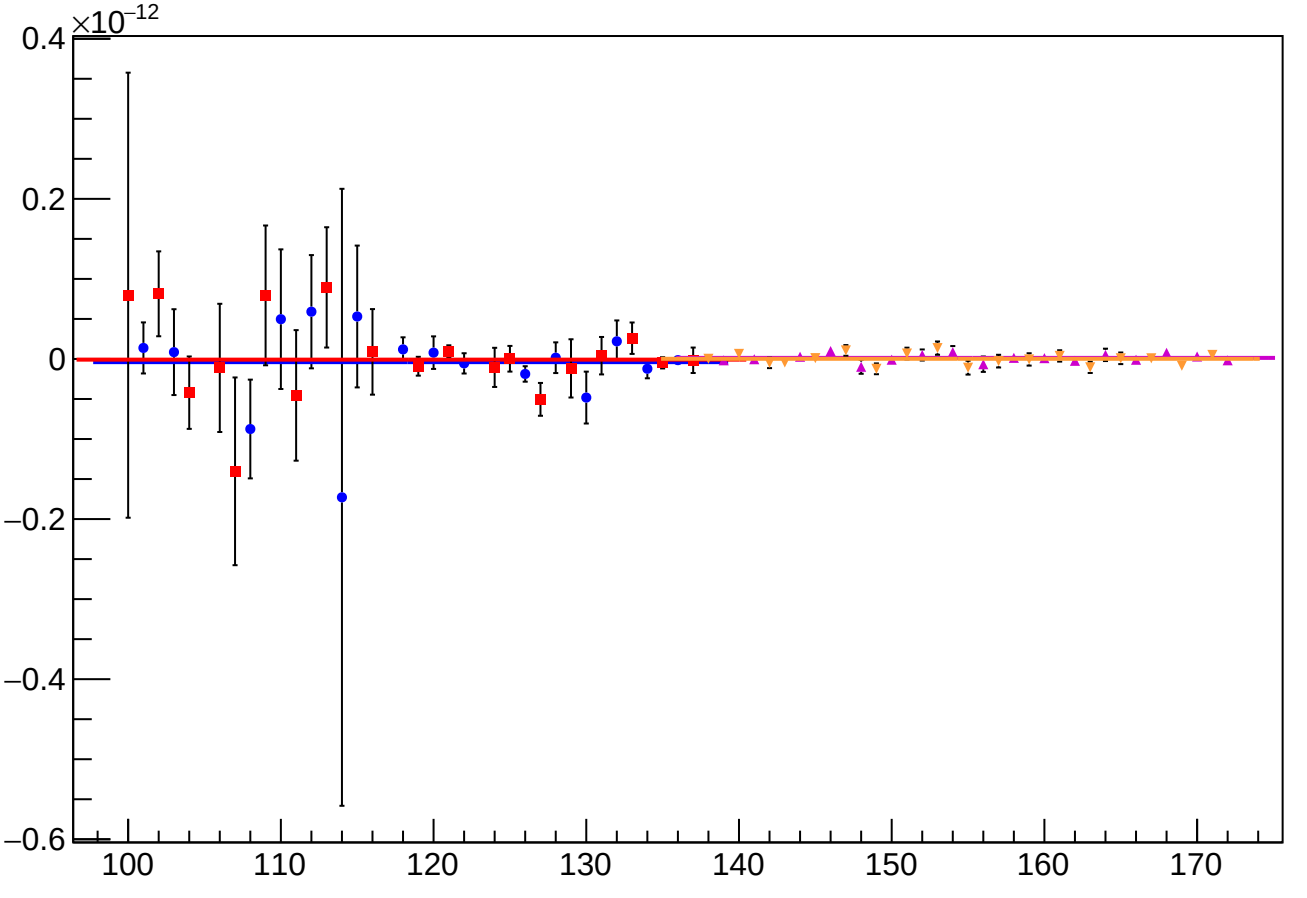
Left: 134.533+/-0.018 χ^2/NDF: 2558621.2/34

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 145.444+/-0.024 χ^2/NDF:5883977.2/32

Out: 148.415+/-0.025 χ^2/NDF:6720906.7/36

All: 146.903+/-0.017 χ^2/NDF: 12612317.0/69



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.3/17

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:9.6/16

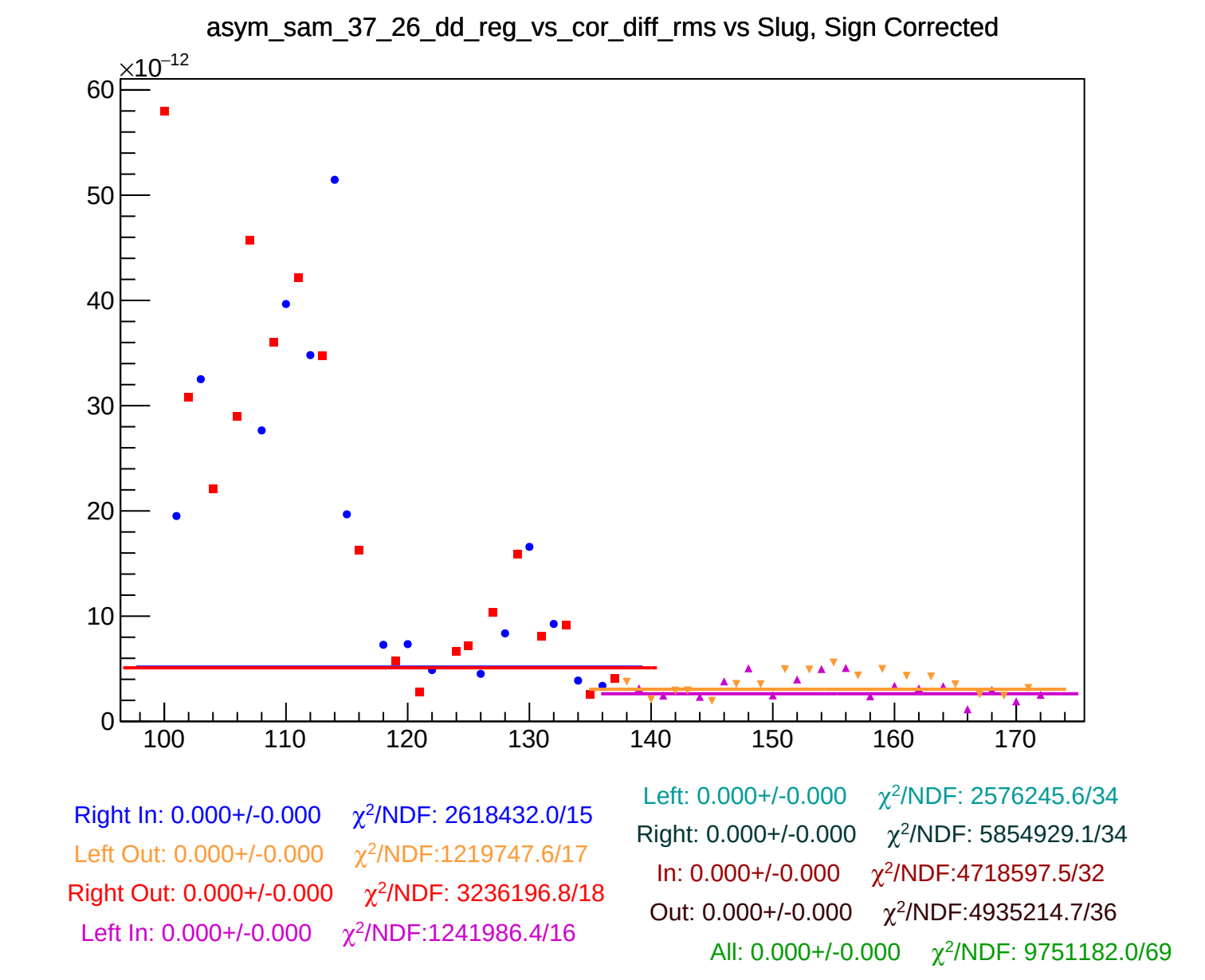
Left: 0.000+/-0.000 χ^2/NDF: 32.2/34

Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

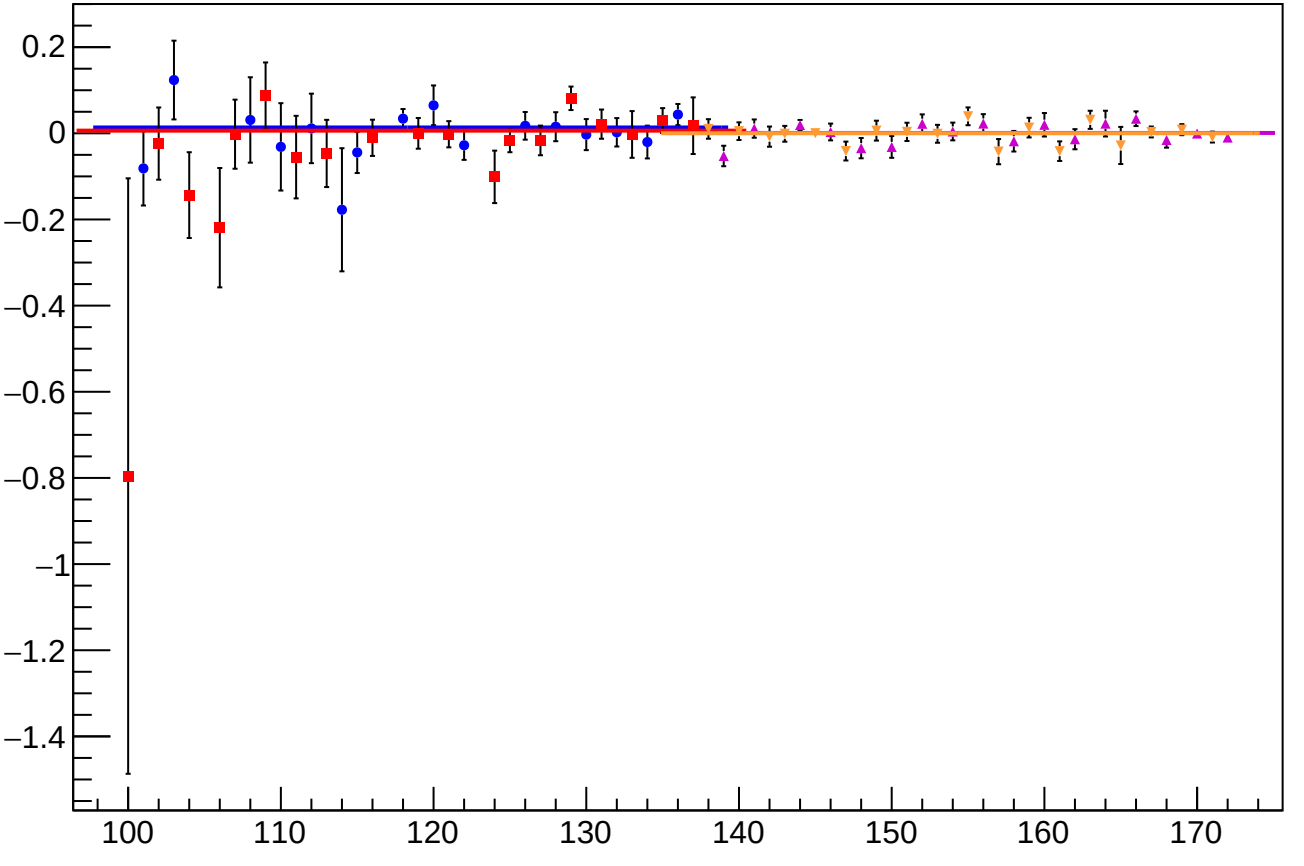
In: 0.000+/-0.000 χ^2/NDF:22.9/32

Out: 0.000+/-0.000 χ^2/NDF:40.4/36

All: 0.000+/-0.000 χ^2/NDF: 63.4/69


asym_sam_37_26_dd_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: 2618432.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1219747.6/17
Right Out: 0.000+/-0.000 χ²/NDF: 3236196.8/18
Left In: 0.000+/-0.000 χ²/NDF:1241986.4/16
Left: 0.000+/-0.000 χ²/NDF: 2576245.6/34
Right: 0.000+/-0.000 χ²/NDF: 5854929.1/34
In: 0.000+/-0.000 χ²/NDF:4718597.5/32
Out: 0.000+/-0.000 χ²/NDF:4935214.7/36
All: 0.000+/-0.000 χ²/NDF: 9751182.0/69

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: 0.000+/-0.004 χ^2/NDF:17.0/17

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: 0.000+/-0.003 χ^2/NDF: 38.3/34

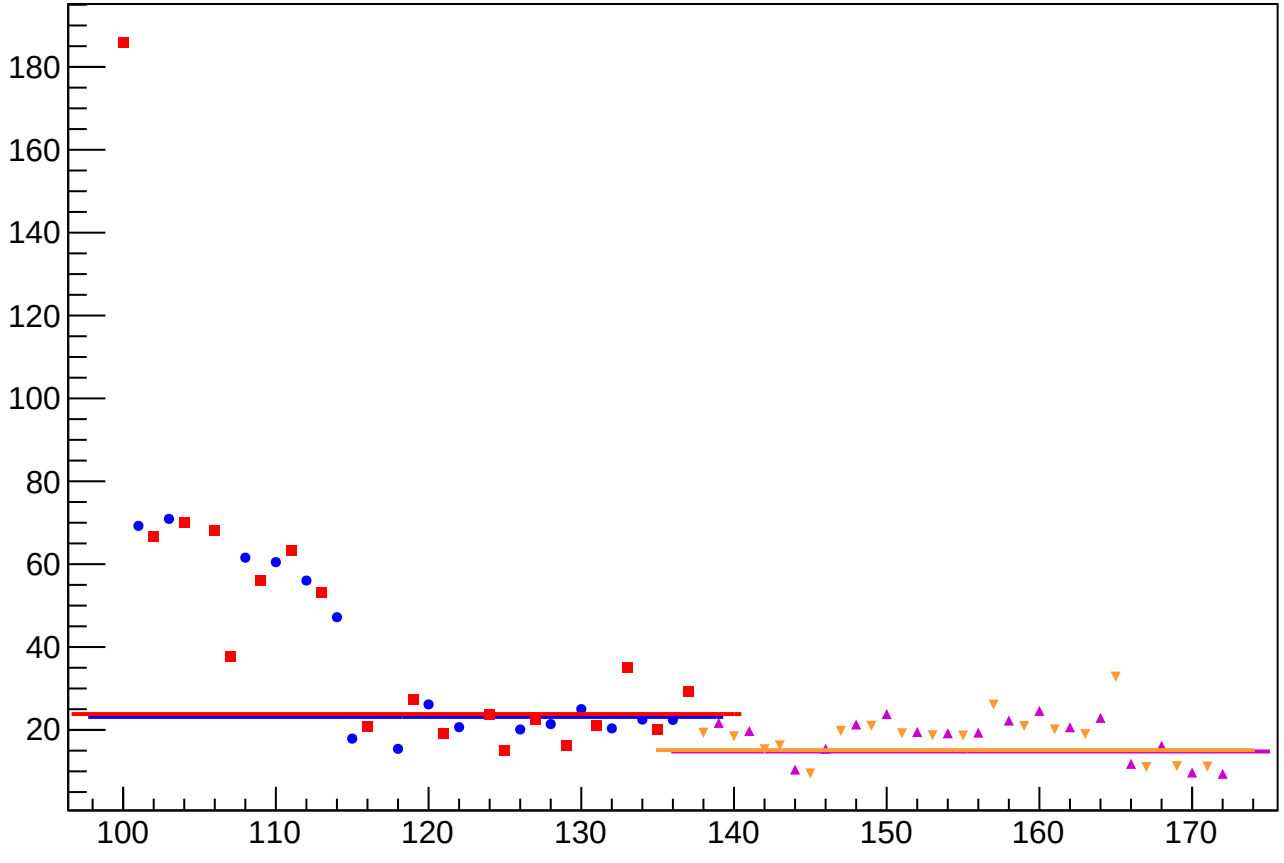
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.003+/-0.004 χ^2/NDF:35.0/32

Out: 0.001+/-0.004 χ^2/NDF:38.8/36

All: 0.002+/-0.003 χ^2/NDF: 73.9/69

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 15.128+/-0.003 χ^2/NDF:2534852.9/17

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: 14.963+/-0.002 χ^2/NDF: 5510939.0/34

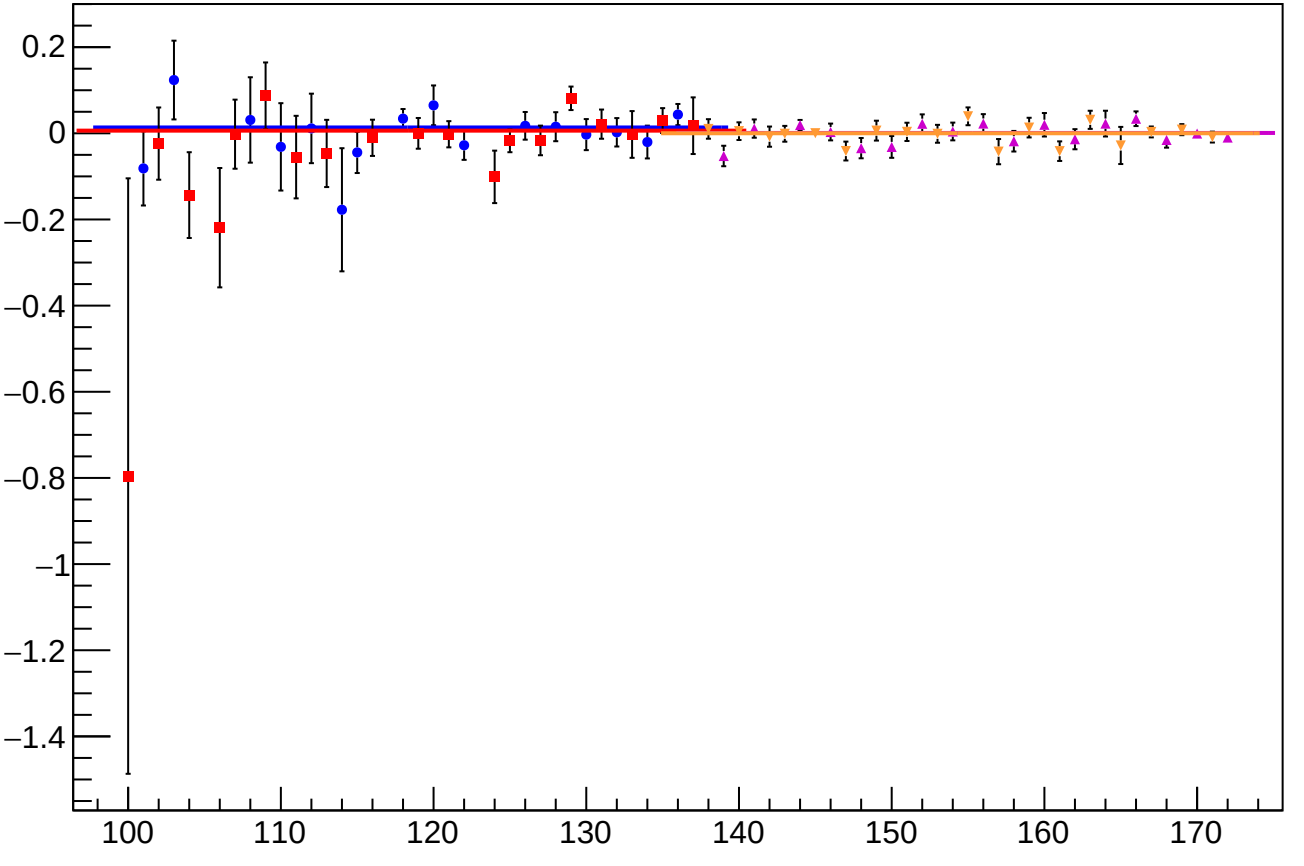
Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 16.145+/-0.003 χ^2/NDF:6582124.3/32

Out: 16.468+/-0.003 χ^2/NDF:6696218.1/36

All: 16.307+/-0.002 χ^2/NDF: 13285014.9/69

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: 0.000+/-0.004 χ^2/NDF:17.0/17

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: 0.000+/-0.003 χ^2/NDF: 38.3/34

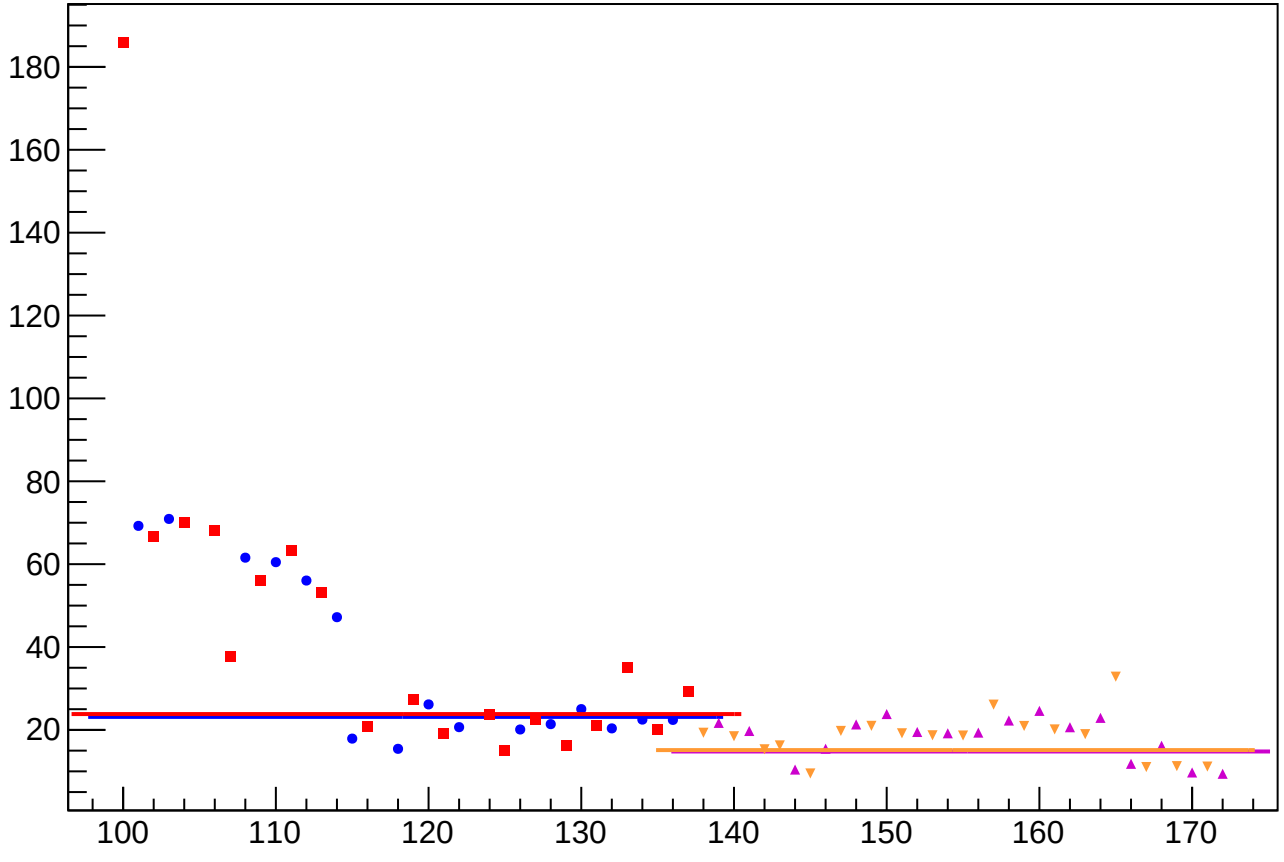
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.003+/-0.004 χ^2/NDF:35.0/32

Out: 0.001+/-0.004 χ^2/NDF:38.8/36

All: 0.002+/-0.003 χ^2/NDF: 73.9/69

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 15.128+/-0.003 χ^2/NDF:2534852.9/17

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.796+/-0.003 χ^2/NDF:2970159.5/16

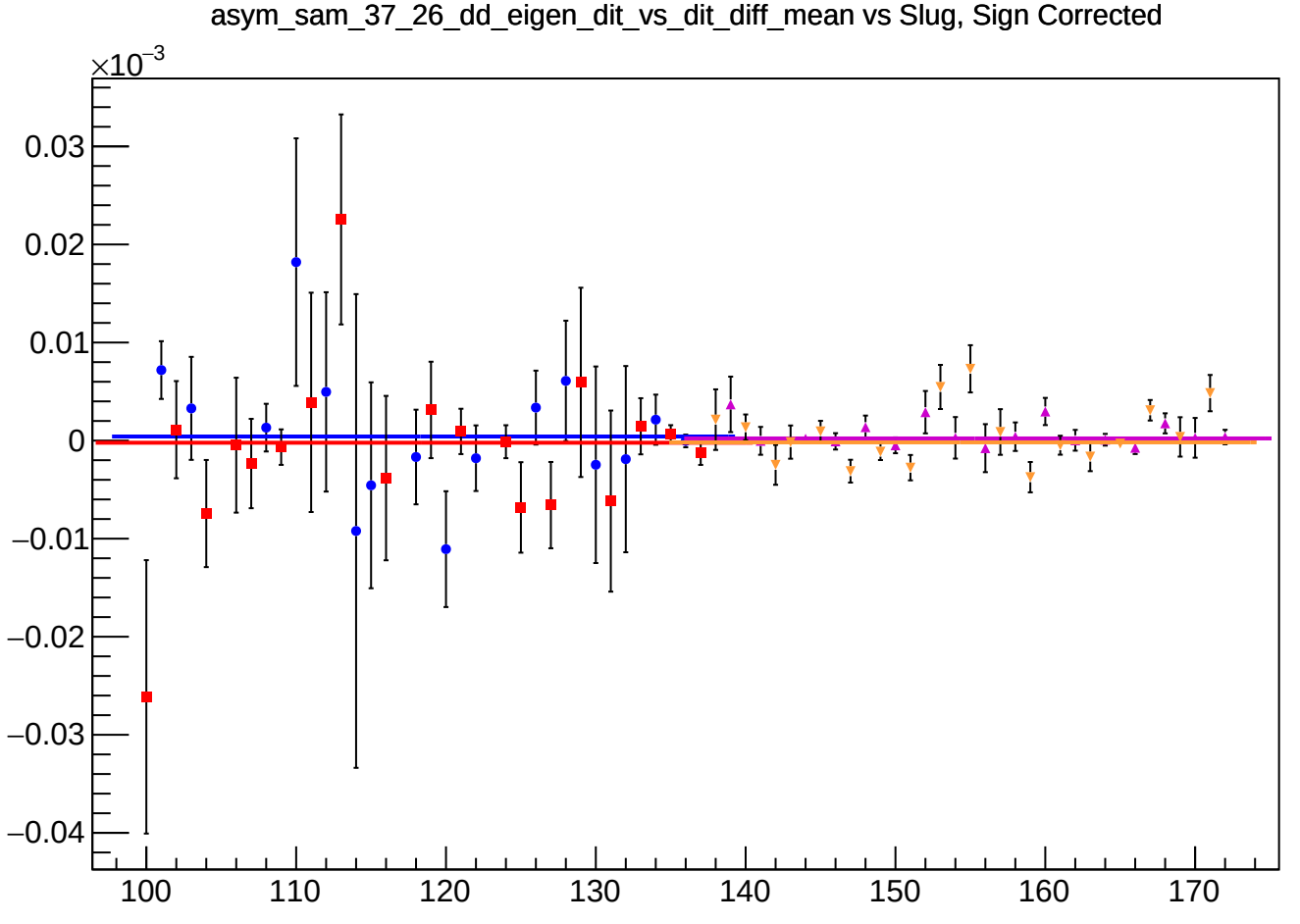
Left: 14.963+/-0.002 χ^2/NDF: 5510939.0/34

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 16.145+/-0.003 χ^2/NDF:6582124.3/32

Out: 16.468+/-0.003 χ^2/NDF:6696218.1/36

All: 16.307+/-0.002 χ^2/NDF: 13285014.9/69



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:55.8/17

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/16

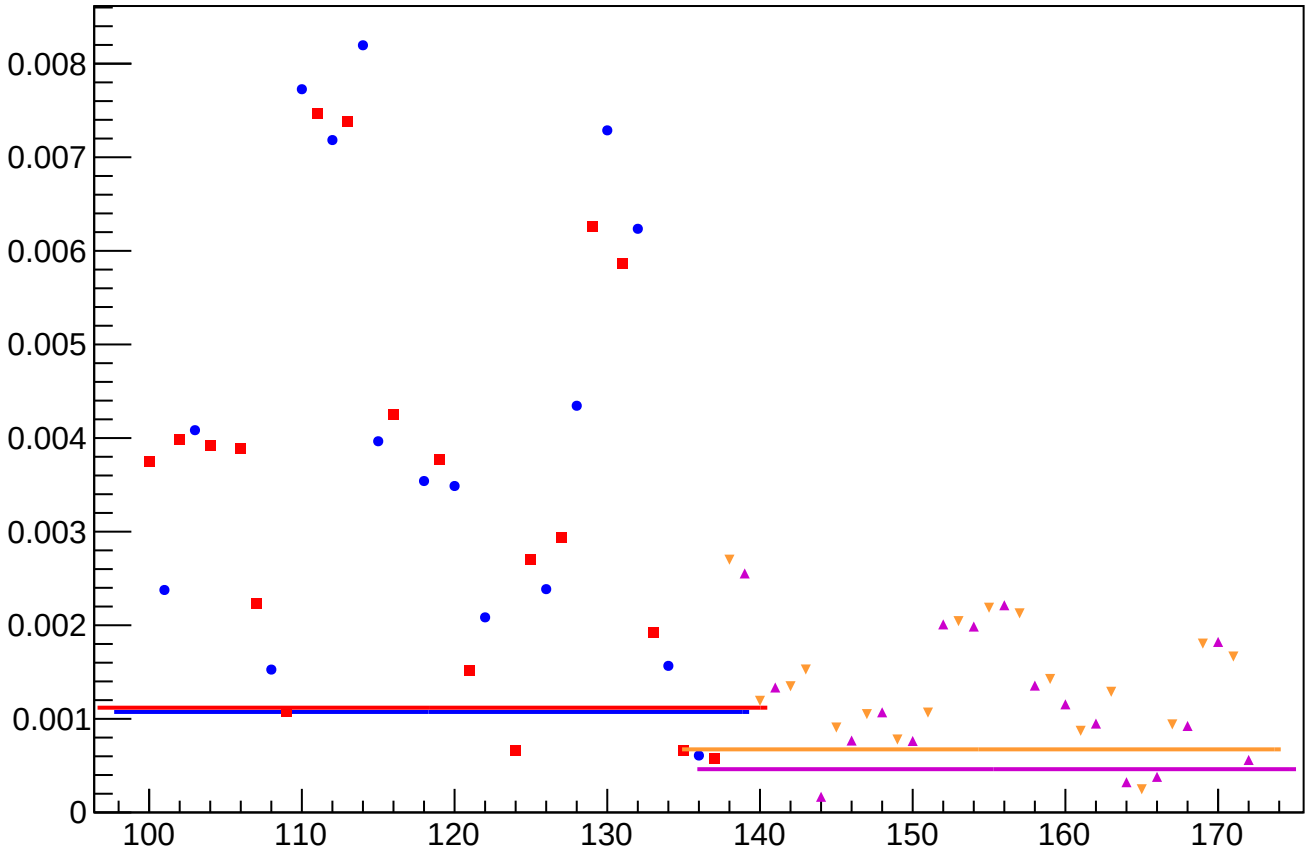
Left: 0.000+/-0.000 χ^2/NDF: 71.3/34

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:73.7/36

All: 0.000+/-0.000 χ^2/NDF: 105.1/69



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:10599805.5/17

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: 23512888.9/34

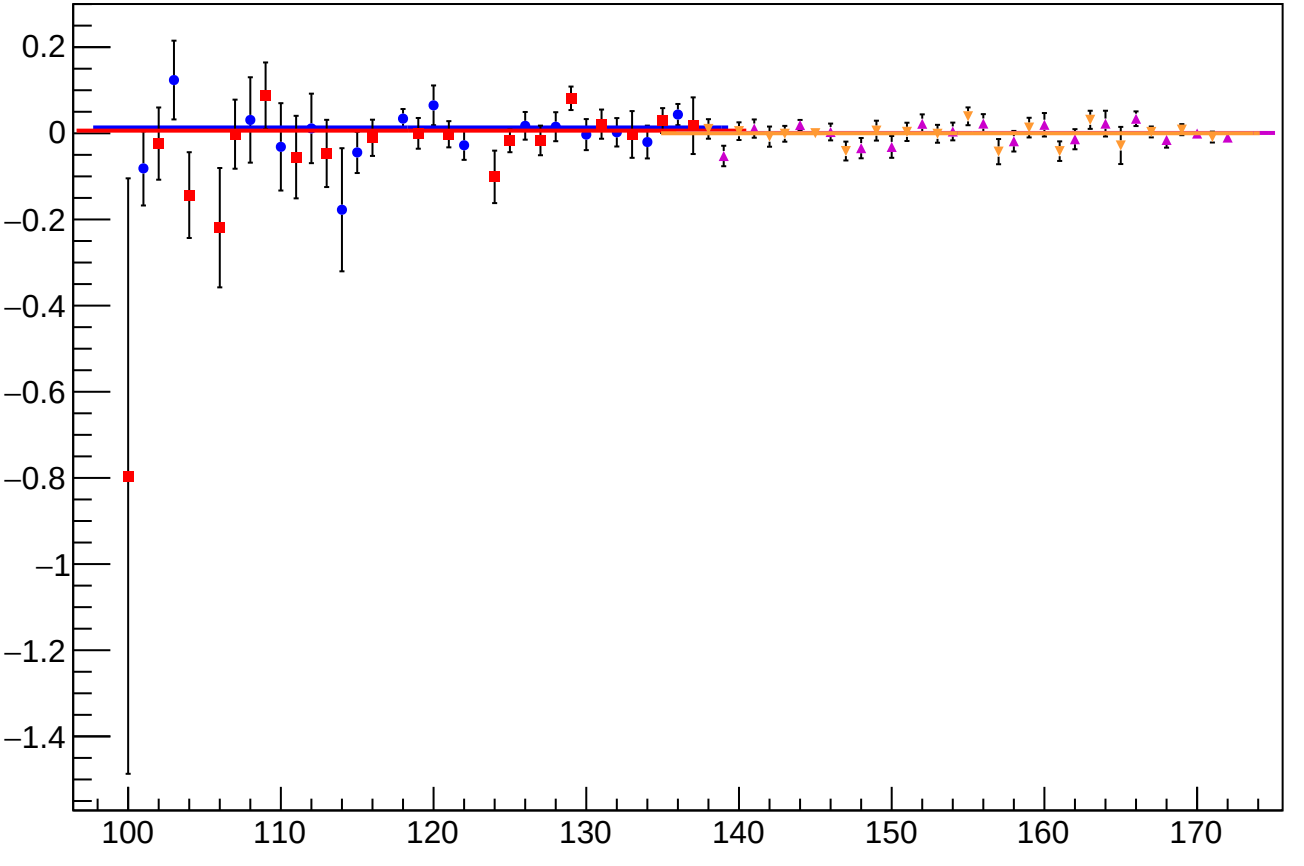
Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.001+/-0.000 χ^2/NDF:21064761.6/32

Out: 0.001+/-0.000 χ^2/NDF:18449930.6/36

All: 0.001+/-0.000 χ^2/NDF: 40768643.8/69

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.004 χ^2/NDF:17.0/17

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: 0.000+/-0.003 χ^2/NDF: 38.3/34

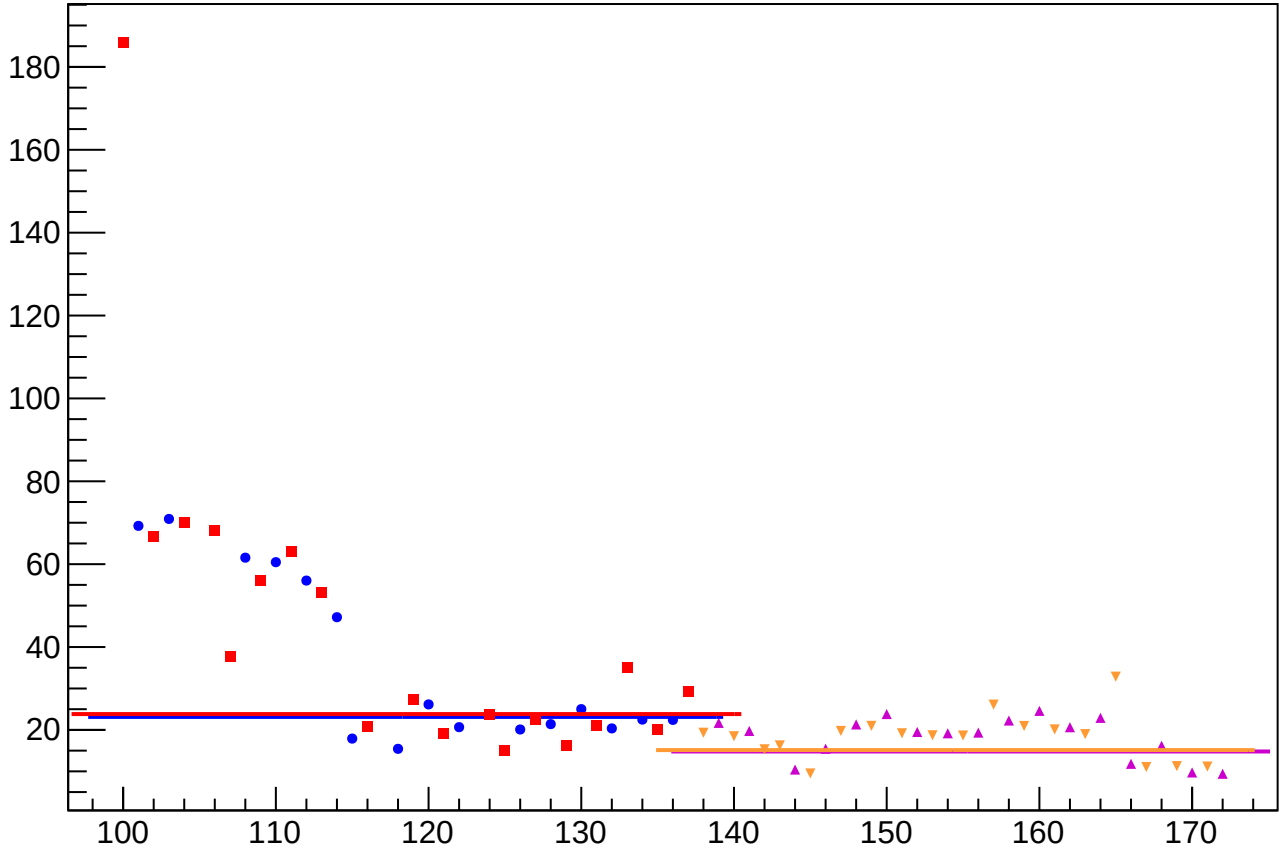
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.003+/-0.004 χ^2/NDF:35.0/32

Out: 0.001+/-0.004 χ^2/NDF:38.8/36

All: 0.002+/-0.003 χ^2/NDF: 73.9/69

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.128+/-0.003 χ^2/NDF:2535003.7/17

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: 14.963+/-0.002 χ^2/NDF: 5511164.9/34

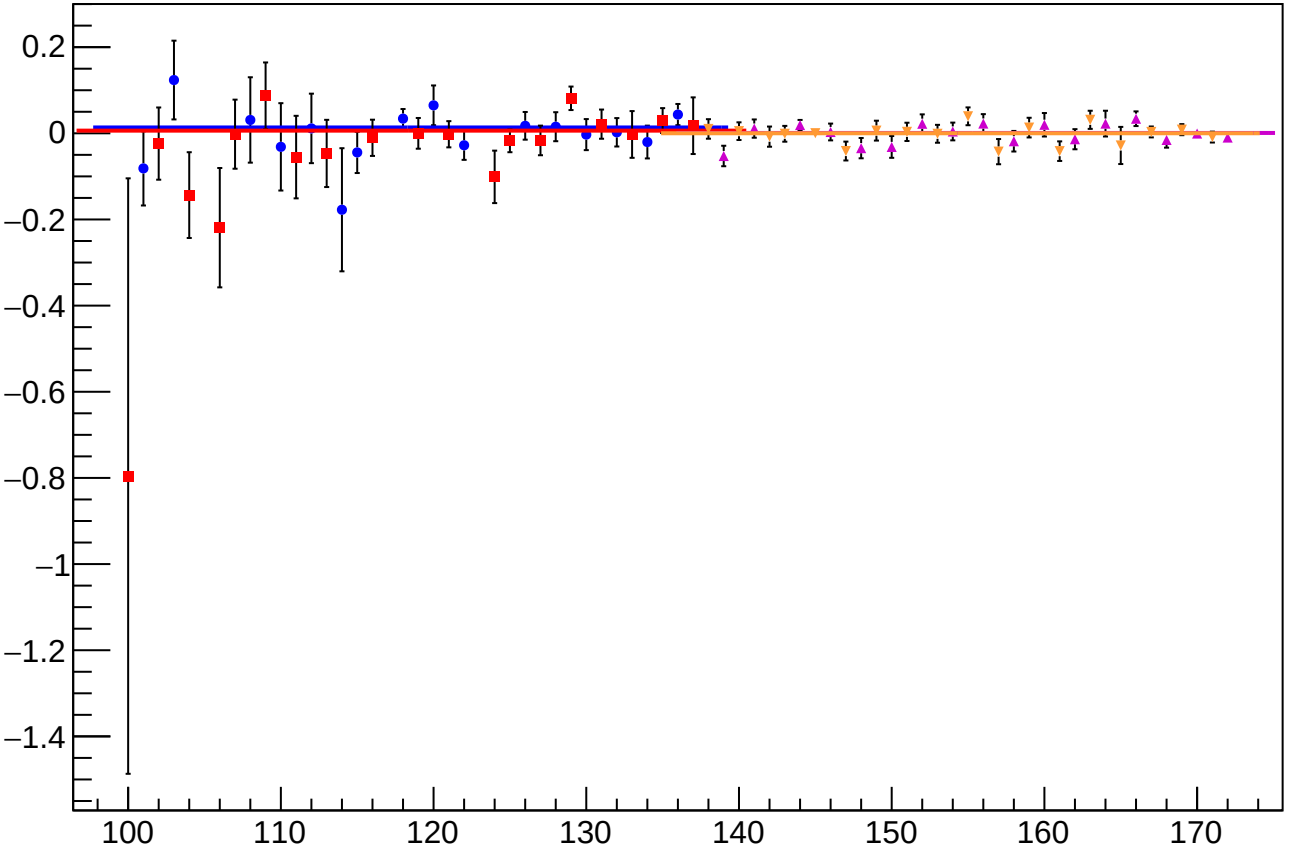
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 16.145+/-0.003 χ^2/NDF:6581943.0/32

Out: 16.468+/-0.003 χ^2/NDF:6696187.2/36

All: 16.307+/-0.002 χ^2/NDF: 13284805.0/69

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: 0.000+/-0.004 χ^2/NDF:17.0/17

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: 0.000+/-0.003 χ^2/NDF: 38.3/34

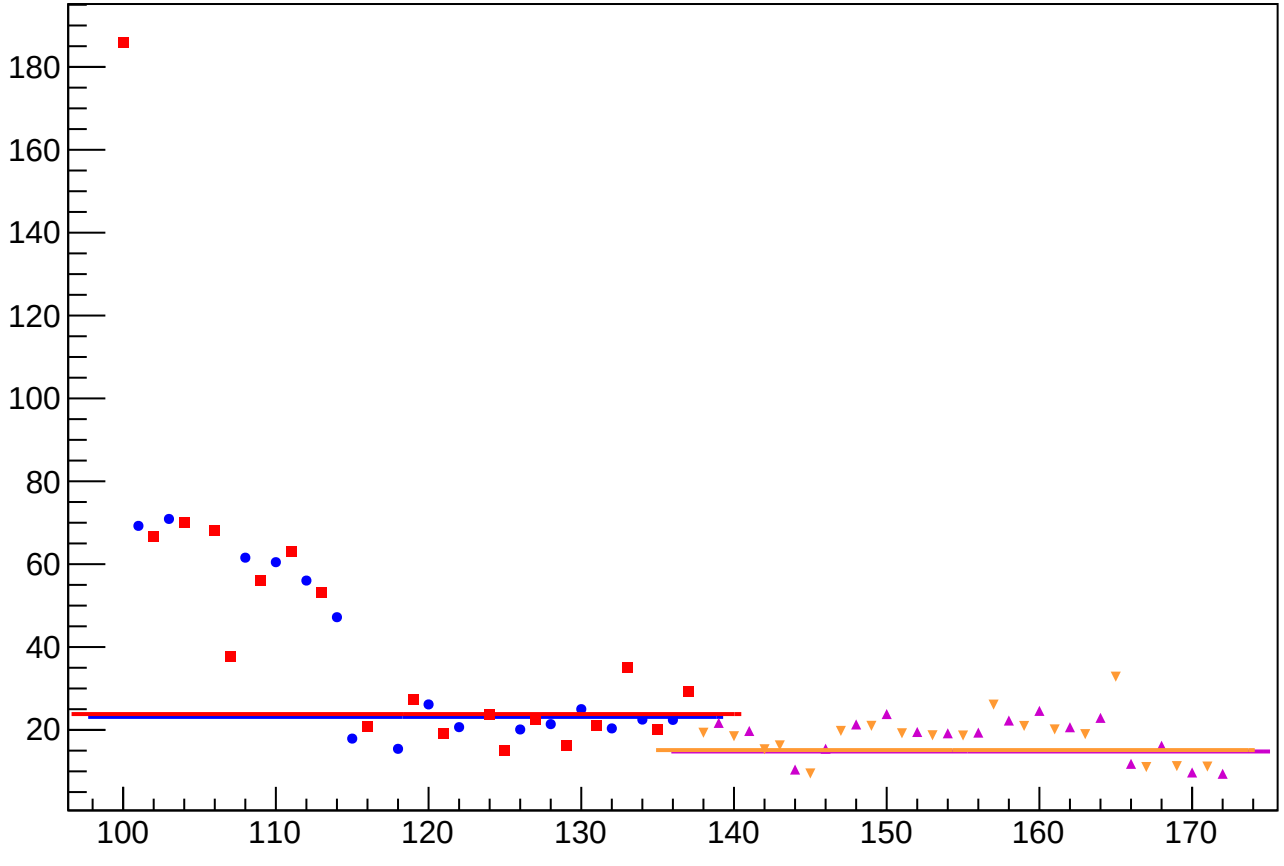
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.003+/-0.004 χ^2/NDF:35.0/32

Out: 0.001+/-0.004 χ^2/NDF:38.8/36

All: 0.002+/-0.003 χ^2/NDF: 73.9/69

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 15.128+/-0.003 χ^2/NDF:2535003.7/17

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.796+/-0.003 χ^2/NDF:2970234.9/16

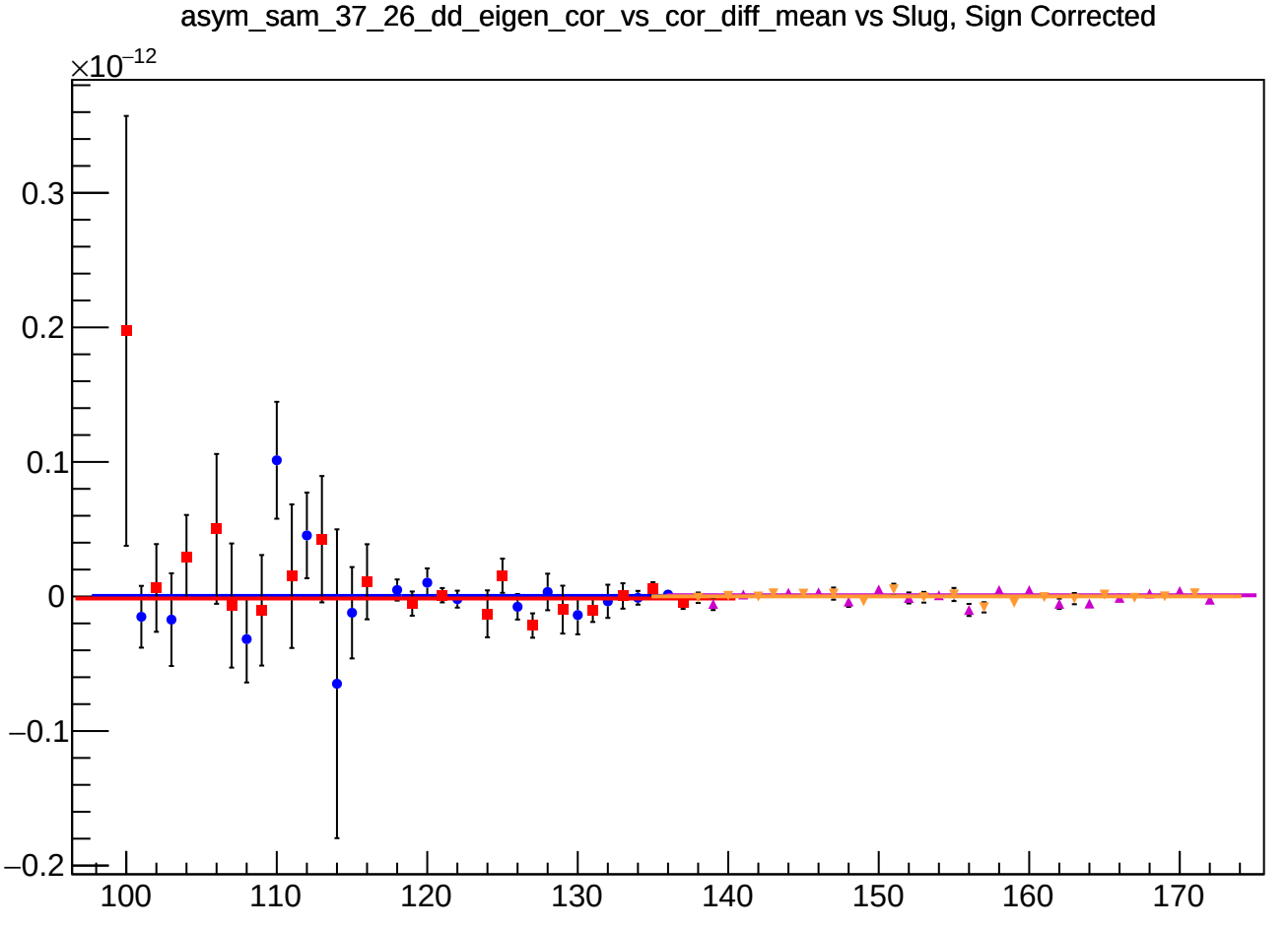
Left: 14.963+/-0.002 χ^2/NDF: 5511164.9/34

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 16.145+/-0.003 χ^2/NDF:6581943.0/32

Out: 16.468+/-0.003 χ^2/NDF:6696187.2/36

All: 16.307+/-0.002 χ^2/NDF: 13284805.0/69



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.5/17

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

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

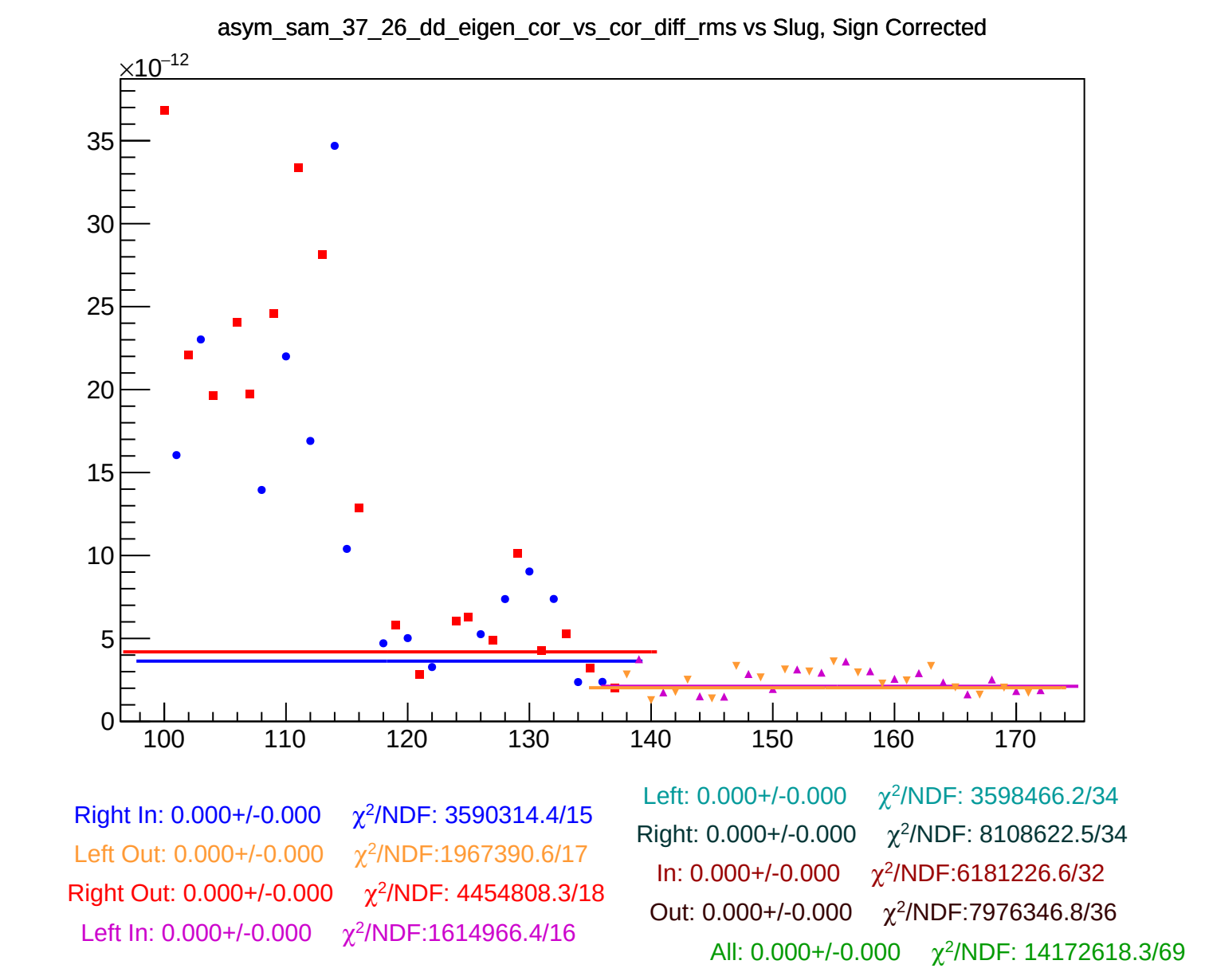
Left: 0.000+/-0.000 χ^2/NDF: 40.6/34

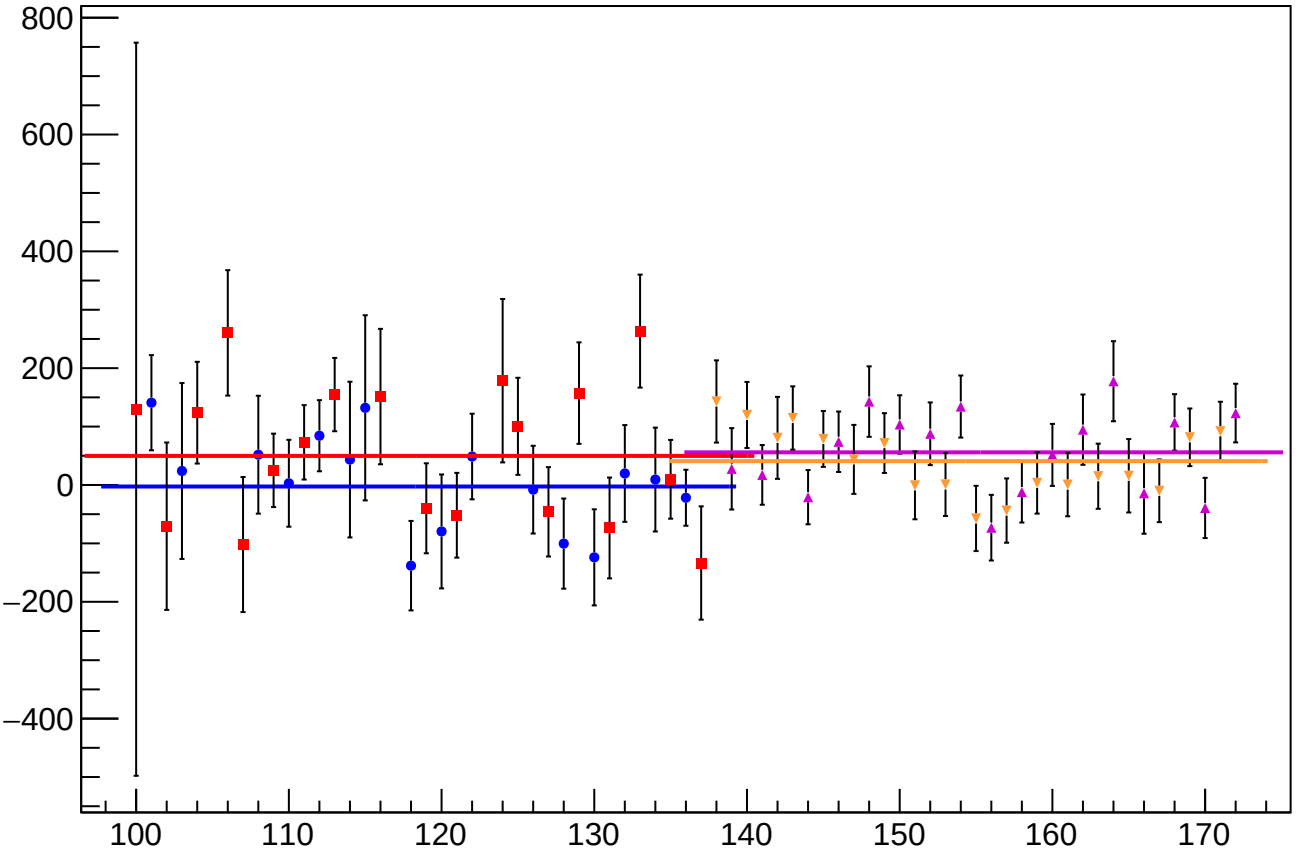
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:39.4/32

Out: -0.000+/-0.000 χ^2/NDF:29.5/36

All: 0.000+/-0.000 χ^2/NDF: 69.8/69


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3590314.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1967390.6/17
Right Out: 0.000+/-0.000 χ²/NDF: 4454808.3/18
Left In: 0.000+/-0.000 χ²/NDF:1614966.4/16
Left: 0.000+/-0.000 χ²/NDF: 3598466.2/34
Right: 0.000+/-0.000 χ²/NDF: 8108622.5/34
In: 0.000+/-0.000 χ²/NDF:6181226.6/32
Out: 0.000+/-0.000 χ²/NDF:7976346.8/36
All: 0.000+/-0.000 χ²/NDF: 14172618.3/69



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 40.827+/-13.041 χ^2/NDF:17.8/17

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: 48.265+/-9.277 χ^2/NDF: 45.4/34

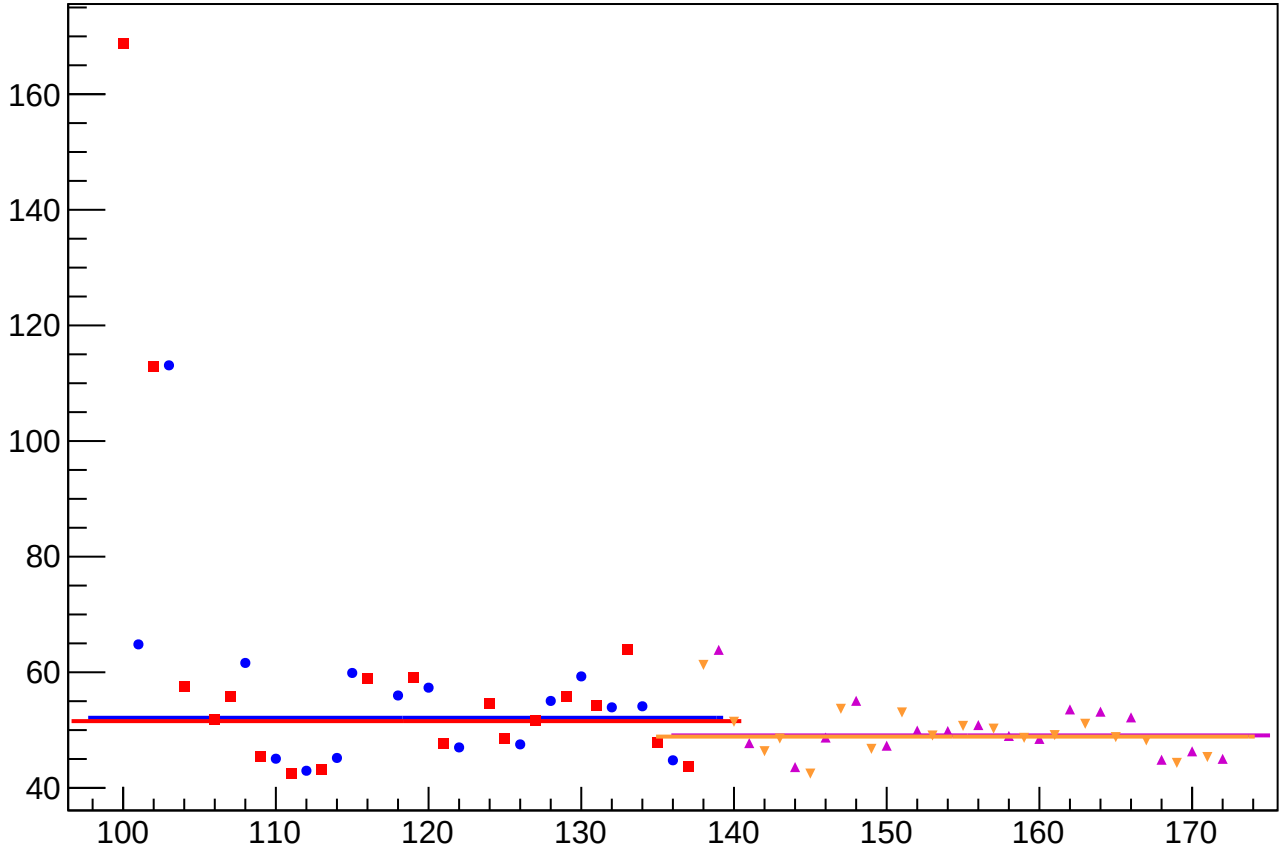
Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 38.129+/-11.016 χ^2/NDF:47.5/32

Out: 43.580+/-10.861 χ^2/NDF:47.3/36

All: 40.893+/-7.734 χ^2/NDF: 94.9/69

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 48.874+/-0.009 χ^2/NDF:165540.2/17

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: 48.977+/-0.007 χ^2/NDF: 367035.4/34

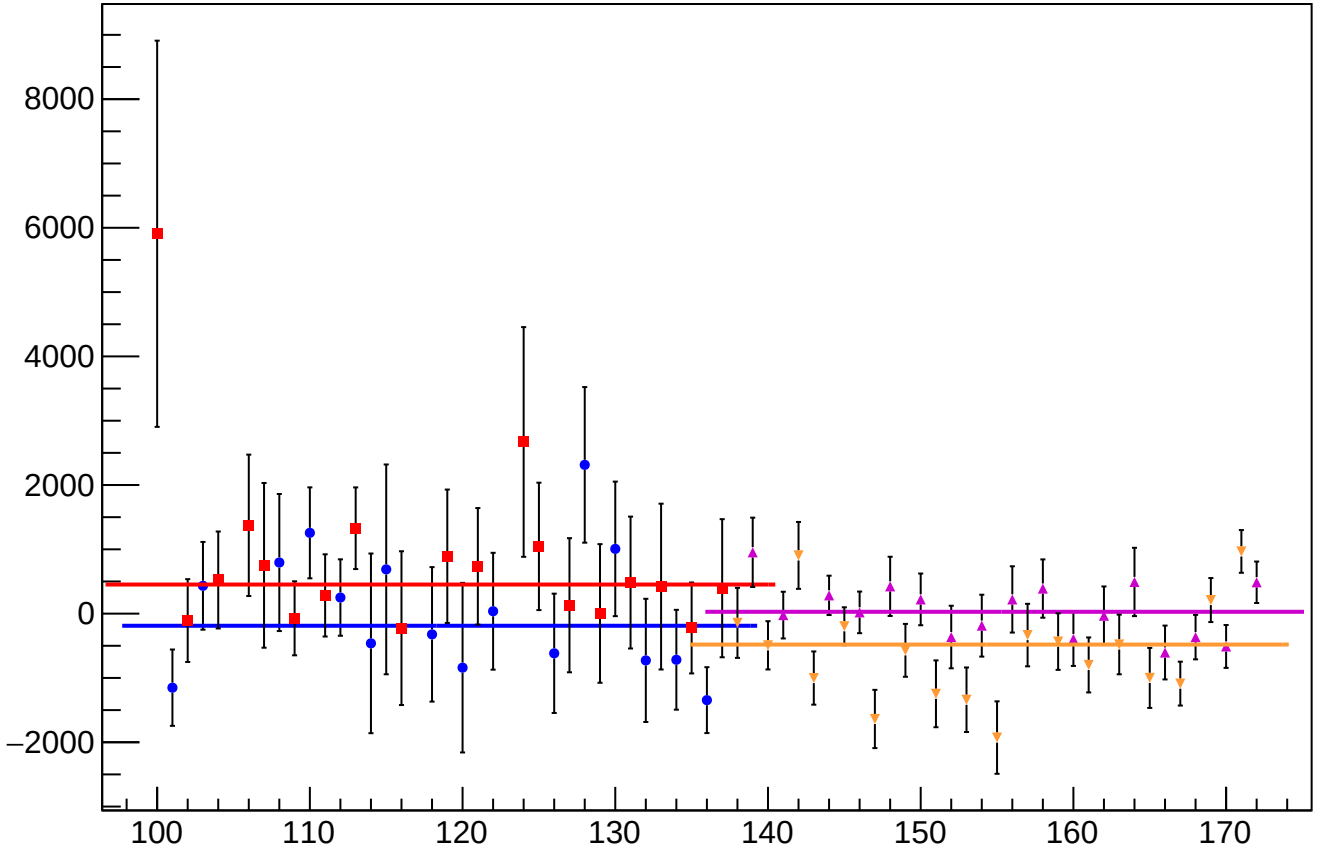
Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.007+/-0.008 χ^2/NDF:796504.7/32

Out: 49.694+/-0.008 χ^2/NDF:830904.3/36

All: 49.848+/-0.005 χ^2/NDF: 1628225.9/69

asym_sam_1357_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -480.753+/-98.322 χ^2/NDF:56.4/17

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 28.568+/-97.073 χ^2/NDF:16.3/16

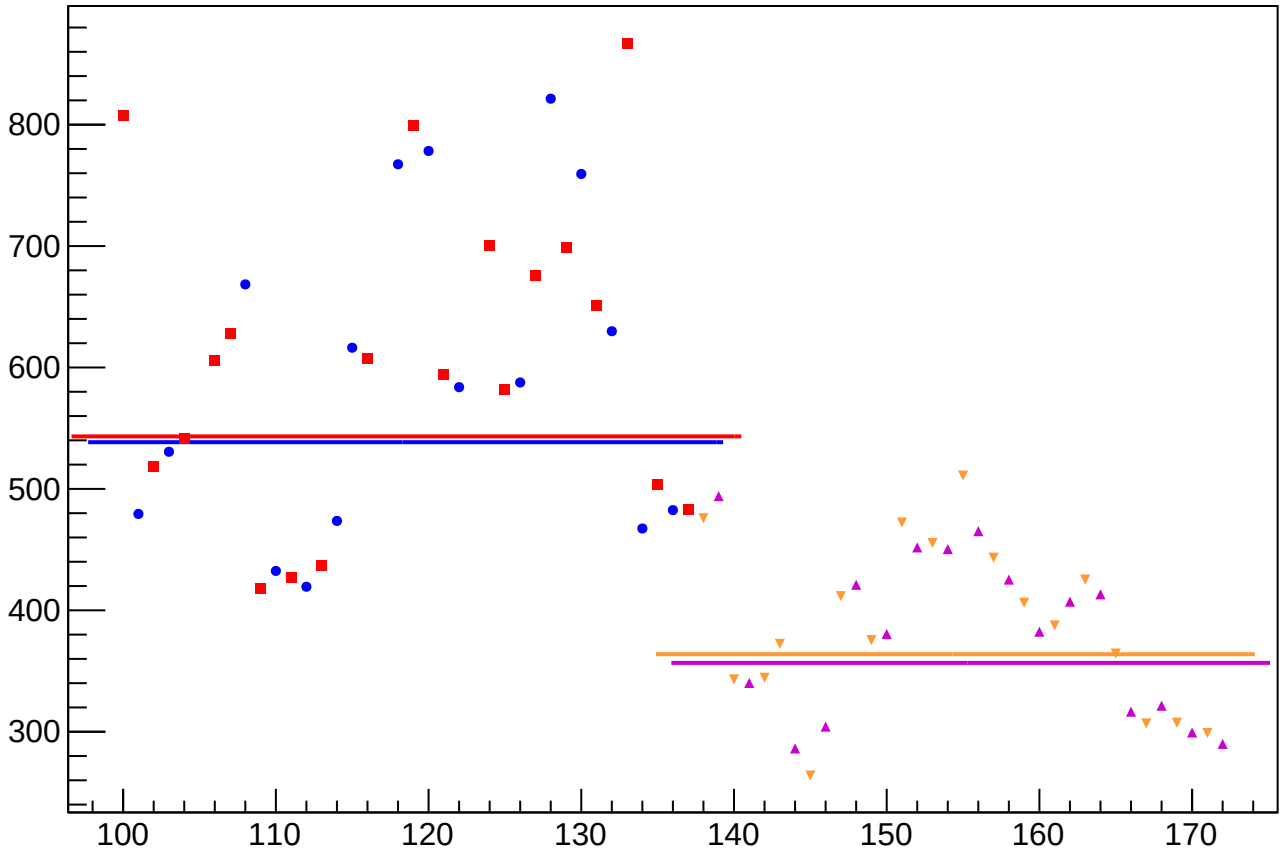
Left: -222.838+/-69.078 χ^2/NDF: 86.3/34

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: -10.946+/-87.797 χ^2/NDF:38.5/32

Out: -304.706+/-88.565 χ^2/NDF:84.7/36

All: -156.548+/-62.352 χ^2/NDF: 128.8/69



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 363.871+/-0.070 χ^2/NDF:937836.7/17

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 356.724+/-0.069 χ^2/NDF:864456.5/16

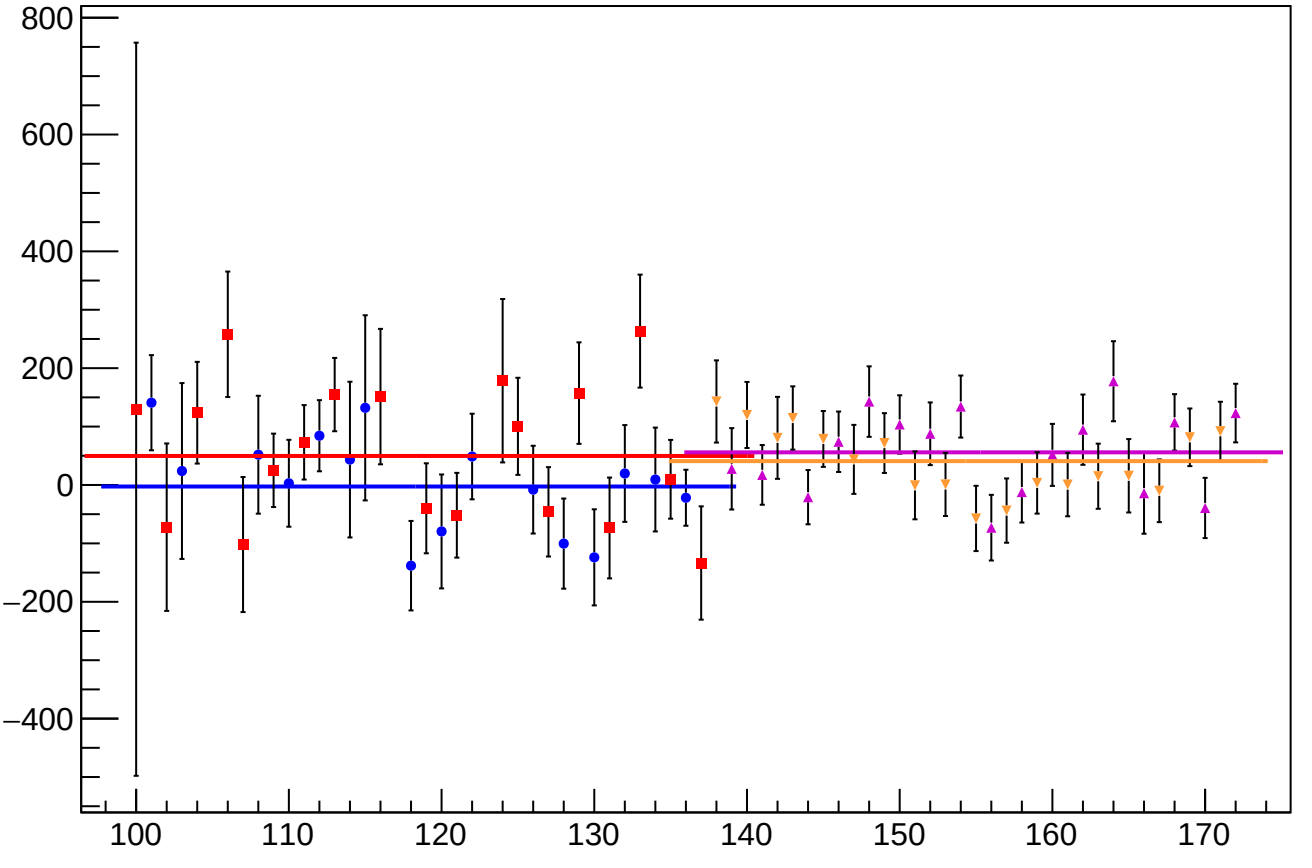
Left: 360.252+/-0.049 χ^2/NDF: 1807643.7/34

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

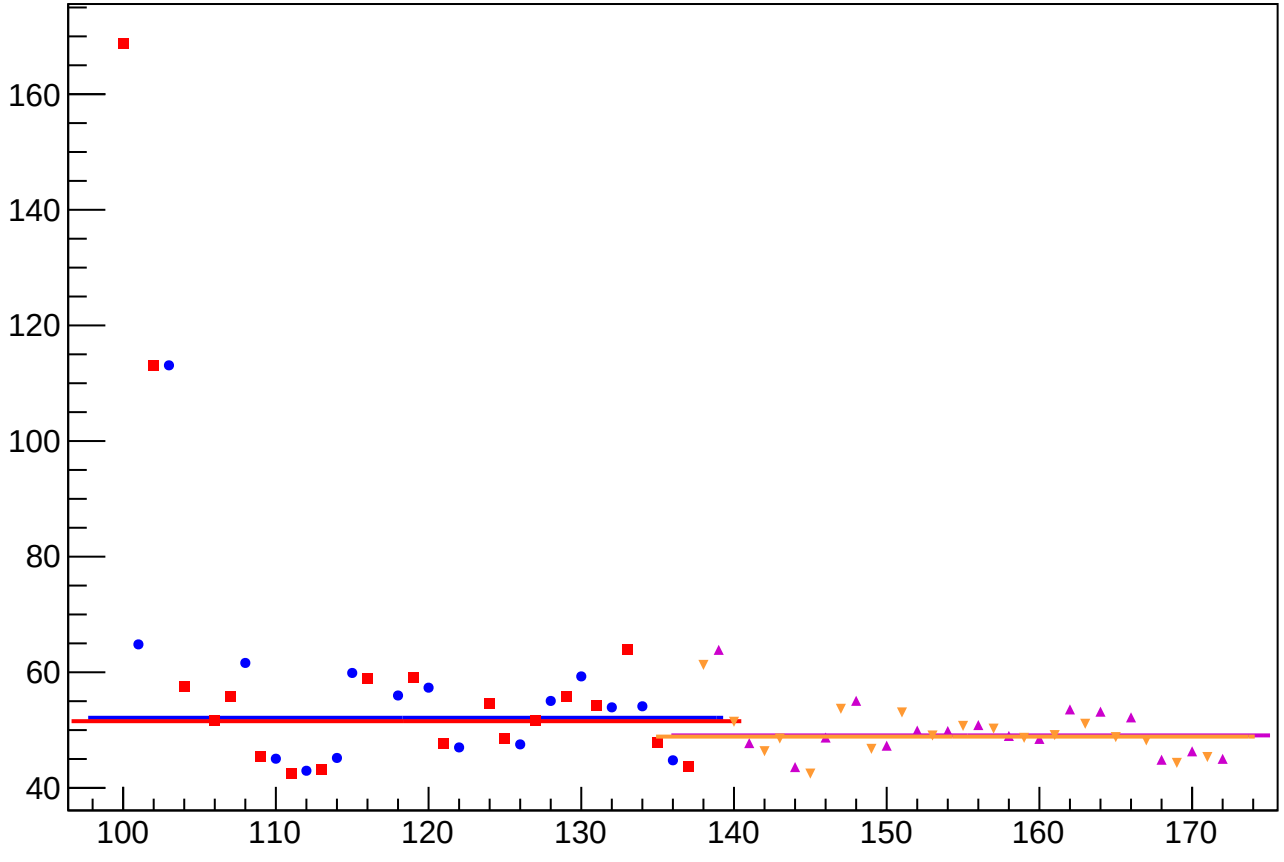
In: 389.798+/-0.062 χ^2/NDF:2754223.4/32

Out: 397.706+/-0.063 χ^2/NDF:2830525.6/36

All: 393.718+/-0.044 χ^2/NDF: 5592789.7/69


cor_asym_sam_1357_avg_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
100
110
120
130
140
150
160
170
Right In: -2.618+/-19.995 χ²/NDF: 14.6/15
Left Out: 40.829+/-13.041 χ²/NDF:17.8/17
Right Out: 49.694+/-19.622 χ²/NDF: 29.3/18
Left In: 55.884+/-13.200 χ²/NDF:27.0/16
Left: 48.265+/-9.277 χ²/NDF: 45.4/34
Right: 24.030+/-14.005 χ²/NDF: 47.4/34
In: 38.126+/-11.016 χ²/NDF:47.5/32
Out: 43.545+/-10.861 χ²/NDF:47.2/36
All: 40.874+/-7.734 χ²/NDF: 94.9/69

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.874+/-0.009 χ^2/NDF:165540.1/17

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 49.082+/-0.009 χ^2/NDF:201244.6/16

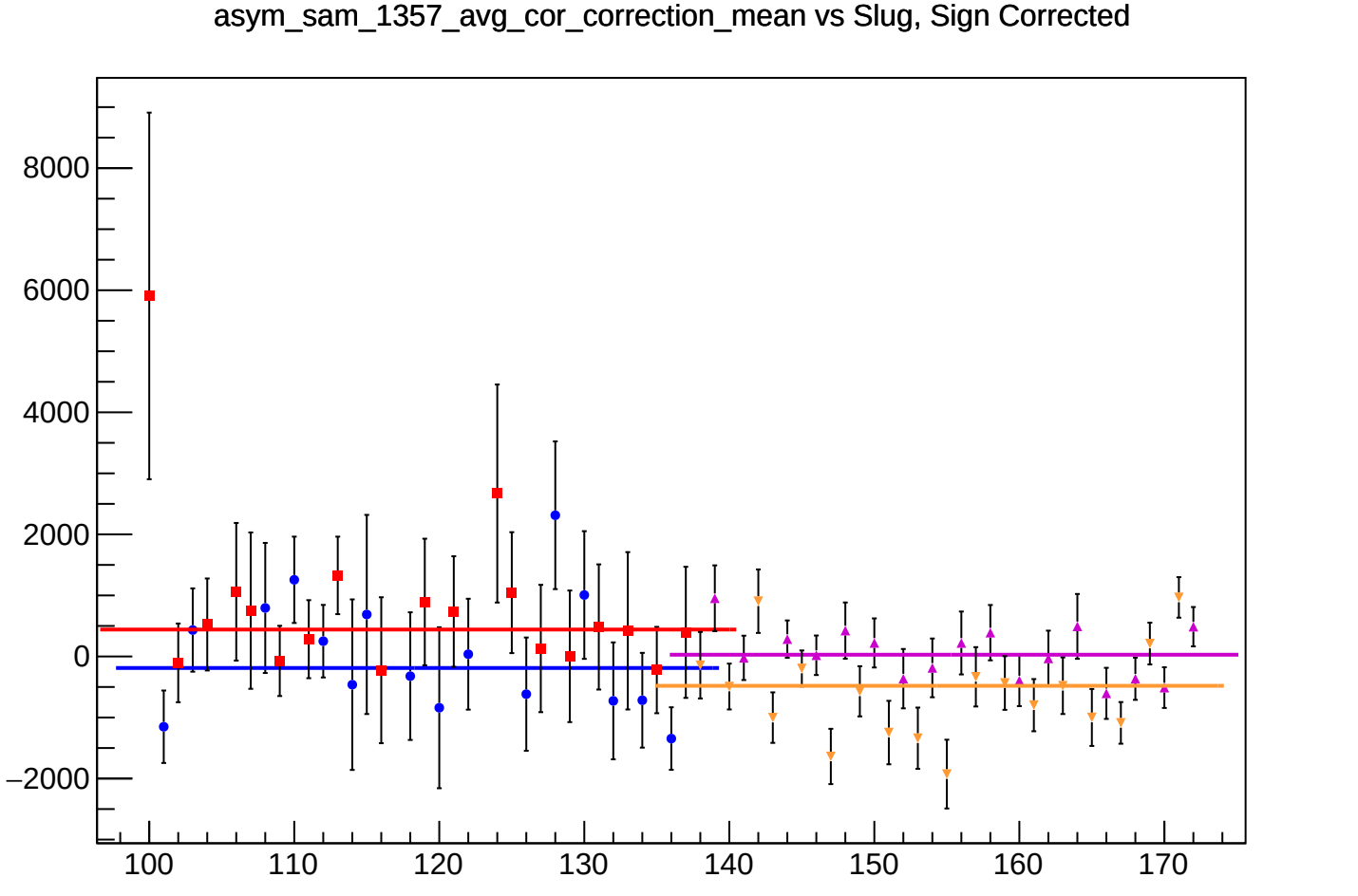
Left: 48.977+/-0.007 χ^2/NDF: 367035.4/34

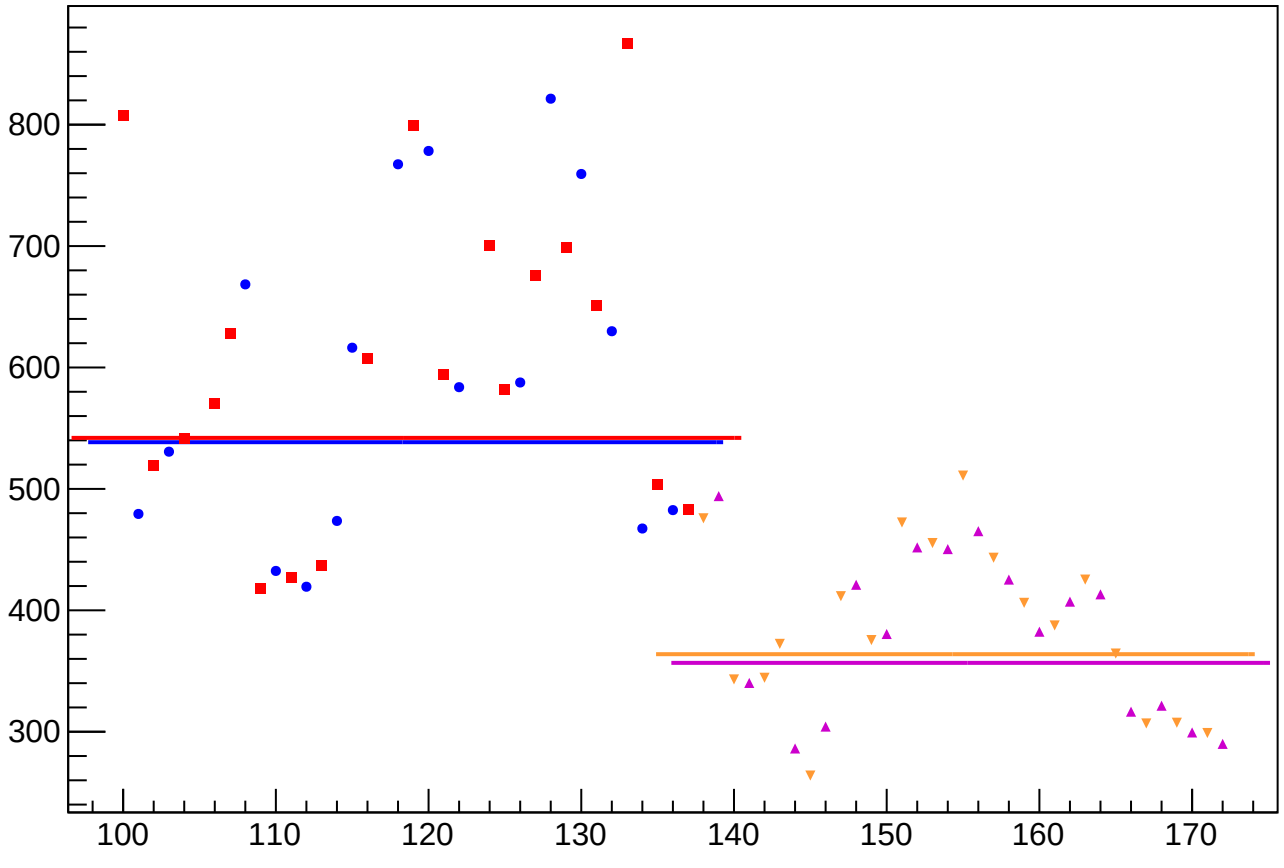
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.007+/-0.008 χ^2/NDF:796507.0/32

Out: 49.691+/-0.008 χ^2/NDF:830924.9/36

All: 49.846+/-0.005 χ^2/NDF: 1628265.5/69


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: -480.750+/-98.322 χ²/NDF:56.4/17
Right Out: 441.171+/-204.111 χ²/NDF: 10.9/18
Left In: 28.569+/-97.073 χ²/NDF:16.3/16
Left: -222.836+/-69.078 χ²/NDF: 86.3/34
Right: 128.930+/-144.926 χ²/NDF: 37.0/34
In: -10.940+/-87.798 χ²/NDF:38.5/32
Out: -307.115+/-88.580 χ²/NDF:83.9/36
All: -157.713+/-62.357 χ²/NDF: 128.1/69



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 363.871+/-0.070 χ^2/NDF:937841.7/17

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 356.724+/-0.069 χ^2/NDF:864456.3/16

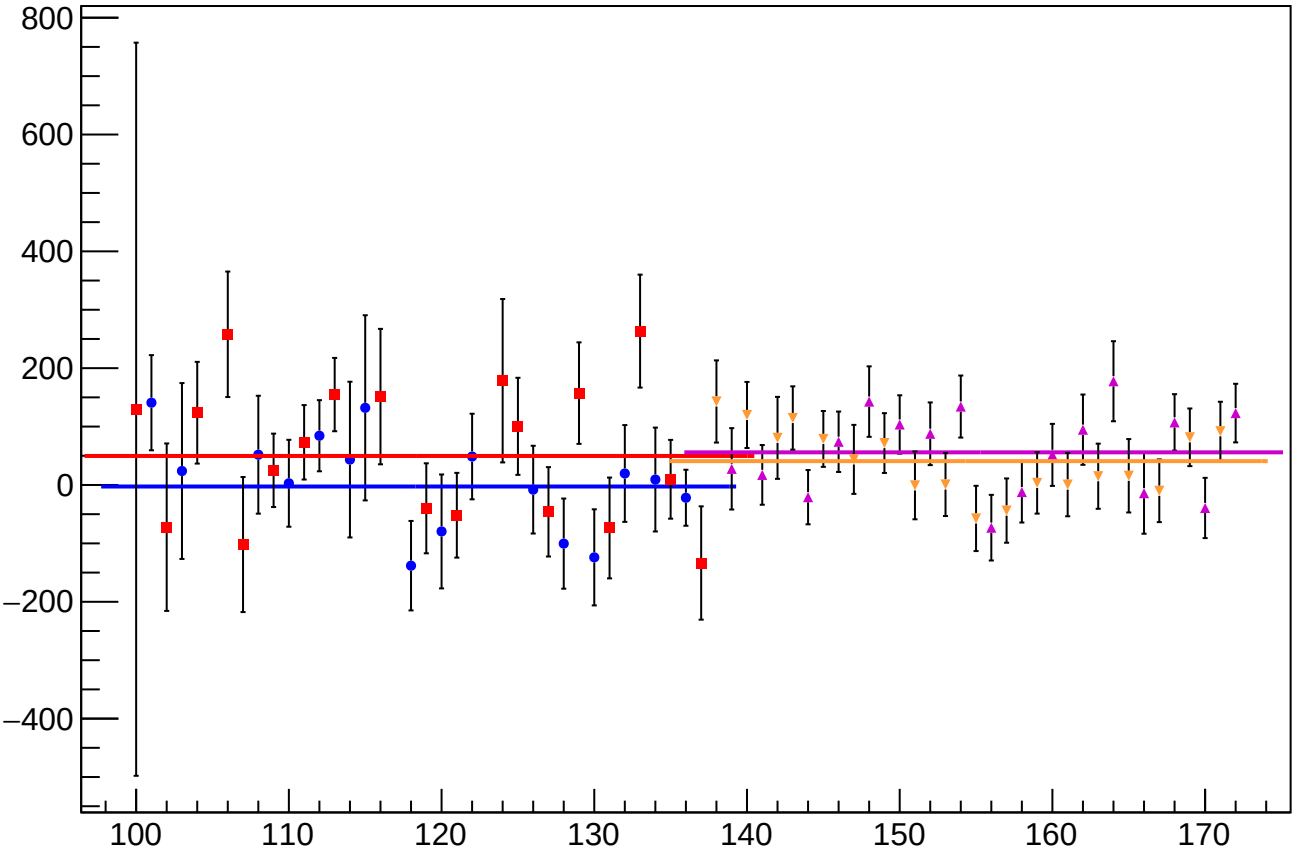
Left: 360.252+/-0.049 χ^2/NDF: 1807648.3/34

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 389.799+/-0.062 χ^2/NDF:2754274.4/32

Out: 397.424+/-0.063 χ^2/NDF:2806106.1/36

All: 393.578+/-0.044 χ^2/NDF: 5567857.4/69



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 40.829+/-13.041 χ^2/NDF:17.8/17

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 55.884+/-13.200 χ^2/NDF:27.0/16

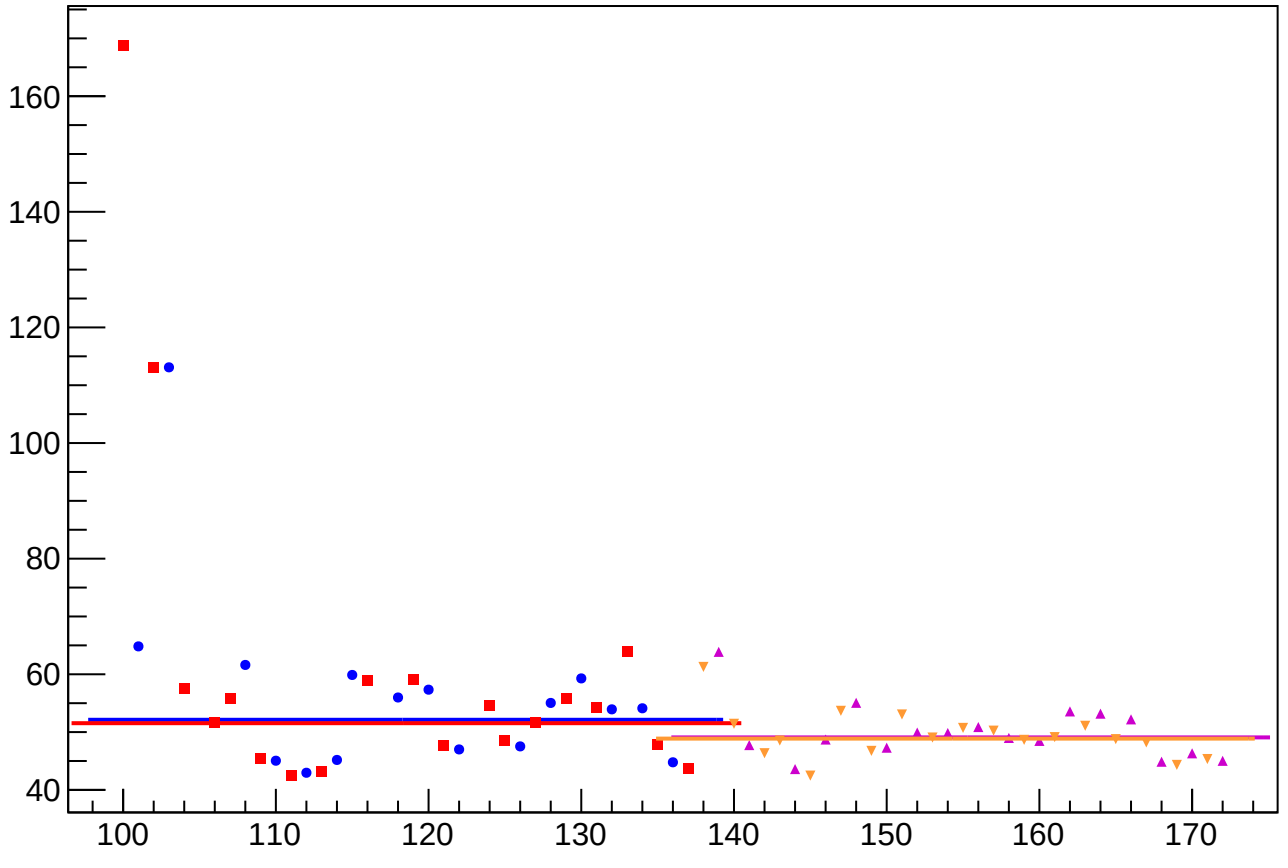
Left: 48.265+/-9.277 χ^2/NDF: 45.4/34

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 38.126+/-11.016 χ^2/NDF:47.5/32

Out: 43.545+/-10.861 χ^2/NDF:47.2/36

All: 40.874+/-7.734 χ^2/NDF: 94.9/69



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.874+/-0.009 χ^2/NDF:165540.1/17

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: 48.977+/-0.007 χ^2/NDF: 367035.4/34

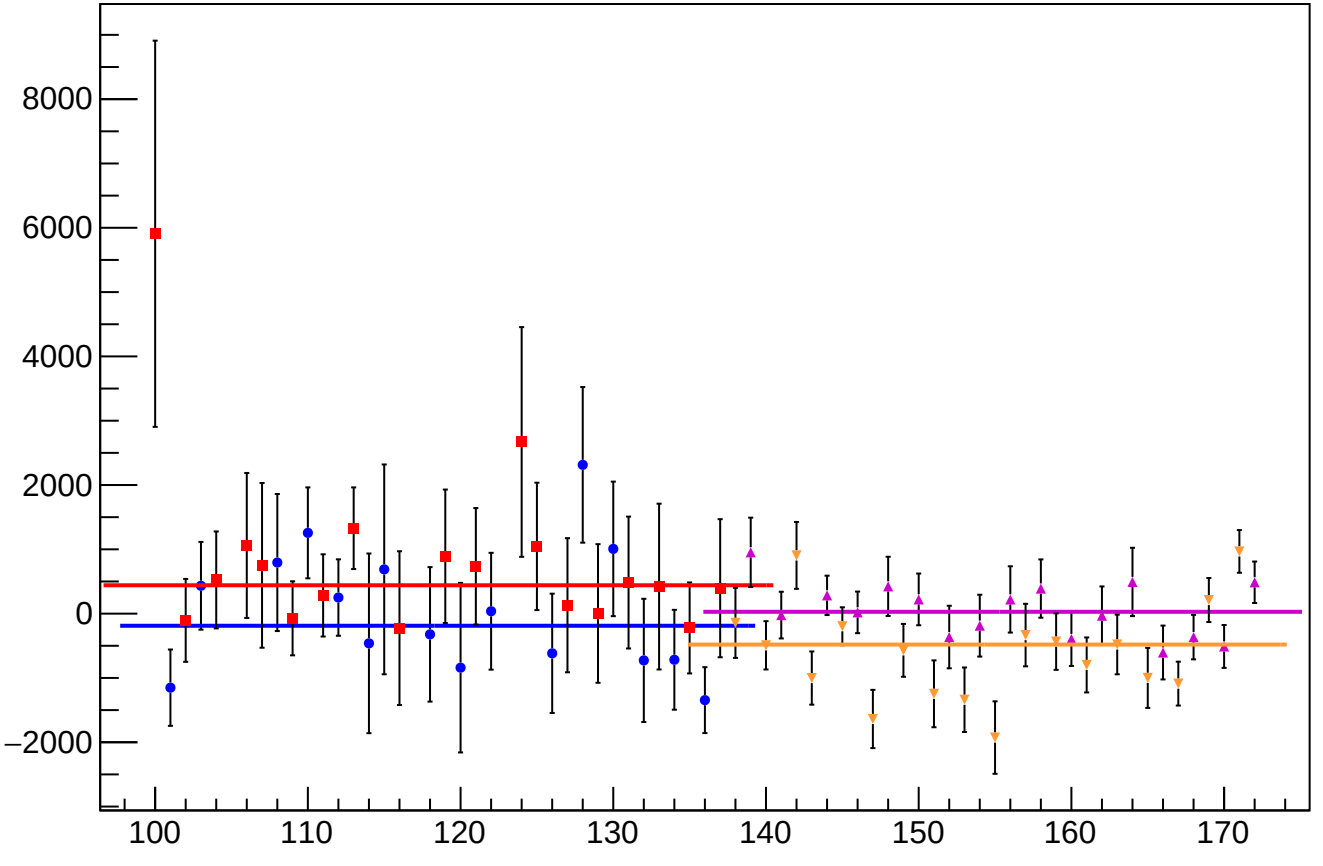
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.007+/-0.008 χ^2/NDF:796507.0/32

Out: 49.691+/-0.008 χ^2/NDF:830924.9/36

All: 49.846+/-0.005 χ^2/NDF: 1628265.5/69

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -480.750+/-98.322 χ^2/NDF:56.4/17

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 28.569+/-97.073 χ^2/NDF:16.3/16

Left: -222.836+/-69.078 χ^2/NDF: 86.3/34

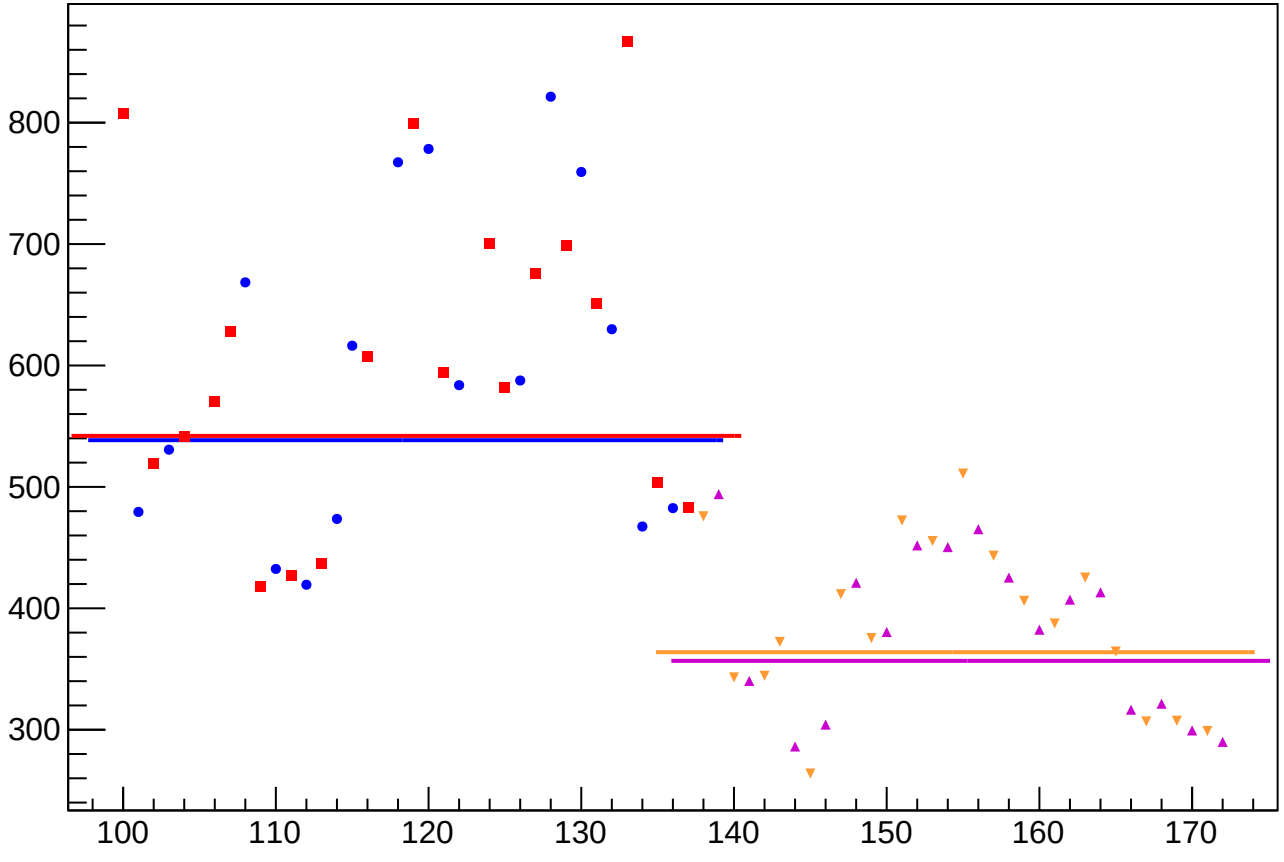
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: -10.940+/-87.798 χ^2/NDF:38.5/32

Out: -307.115+/-88.580 χ^2/NDF:83.9/36

All: -157.713+/-62.357 χ^2/NDF: 128.1/69

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: 363.871+/-0.070 χ^2/NDF:937841.7/17

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 356.724+/-0.069 χ^2/NDF:864456.3/16

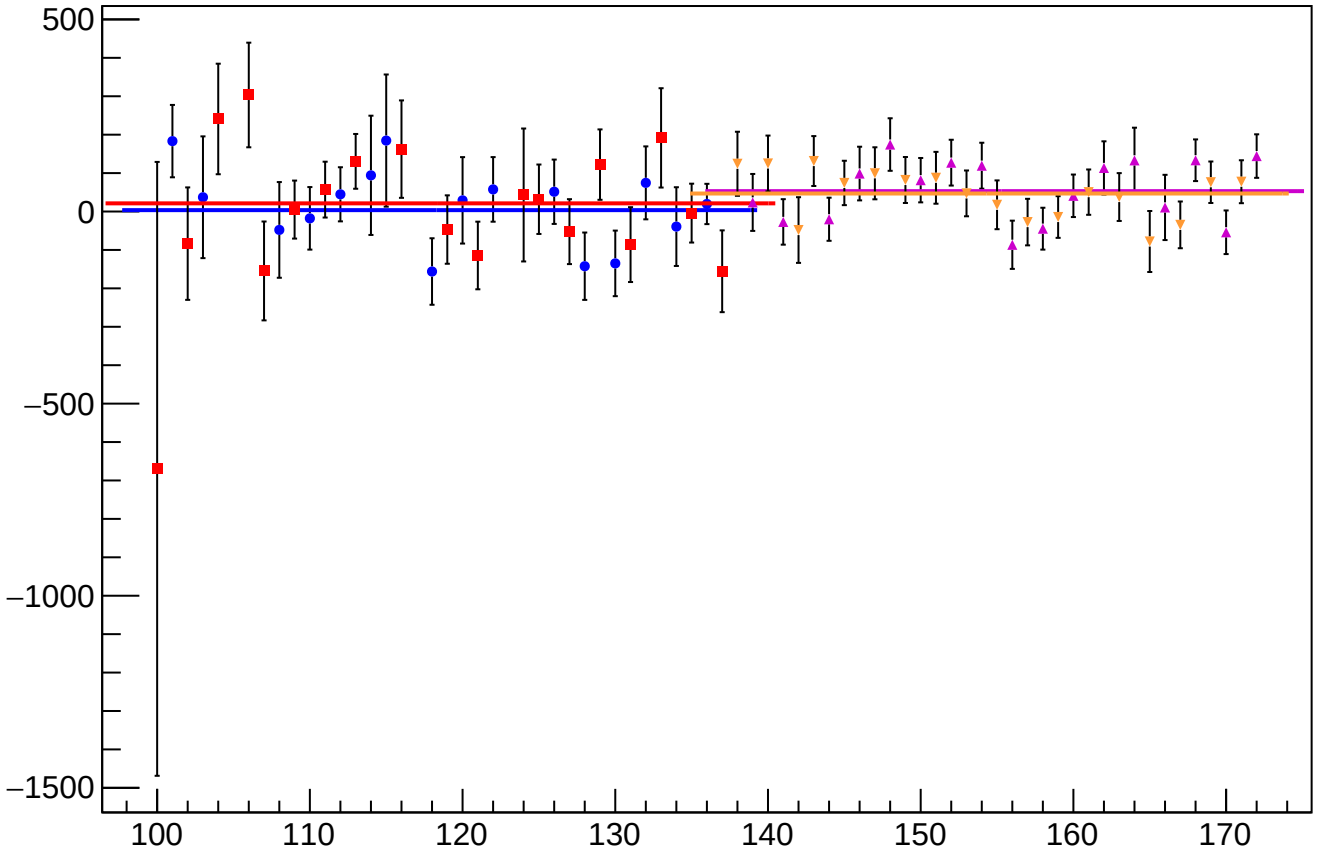
Left: 360.252+/-0.049 χ^2/NDF: 1807648.3/34

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 389.799+/-0.062 χ^2/NDF:2754274.4/32

Out: 397.424+/-0.063 χ^2/NDF:2806106.1/36

All: 393.578+/-0.044 χ^2/NDF: 5567857.4/69



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 46.860+/-14.900 χ^2/NDF:14.4/17

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: 49.915+/-10.580 χ^2/NDF: 43.2/34

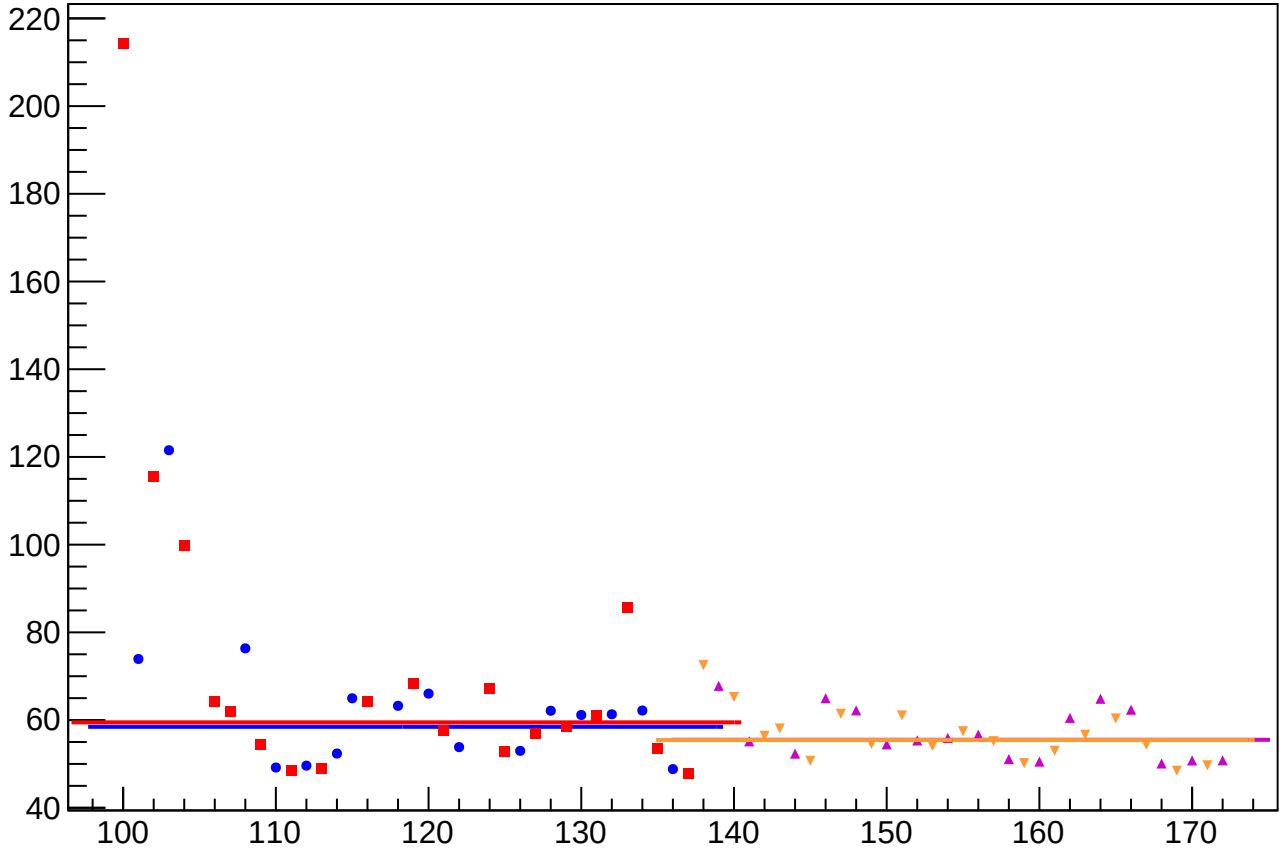
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 37.761+/-12.491 χ^2/NDF:48.2/32

Out: 39.182+/-12.468 χ^2/NDF:39.7/36

All: 38.473+/-8.824 χ^2/NDF: 87.9/69

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 55.450+/-0.011 χ^2/NDF:256626.8/17

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 55.507+/-0.011 χ^2/NDF:243205.9/16

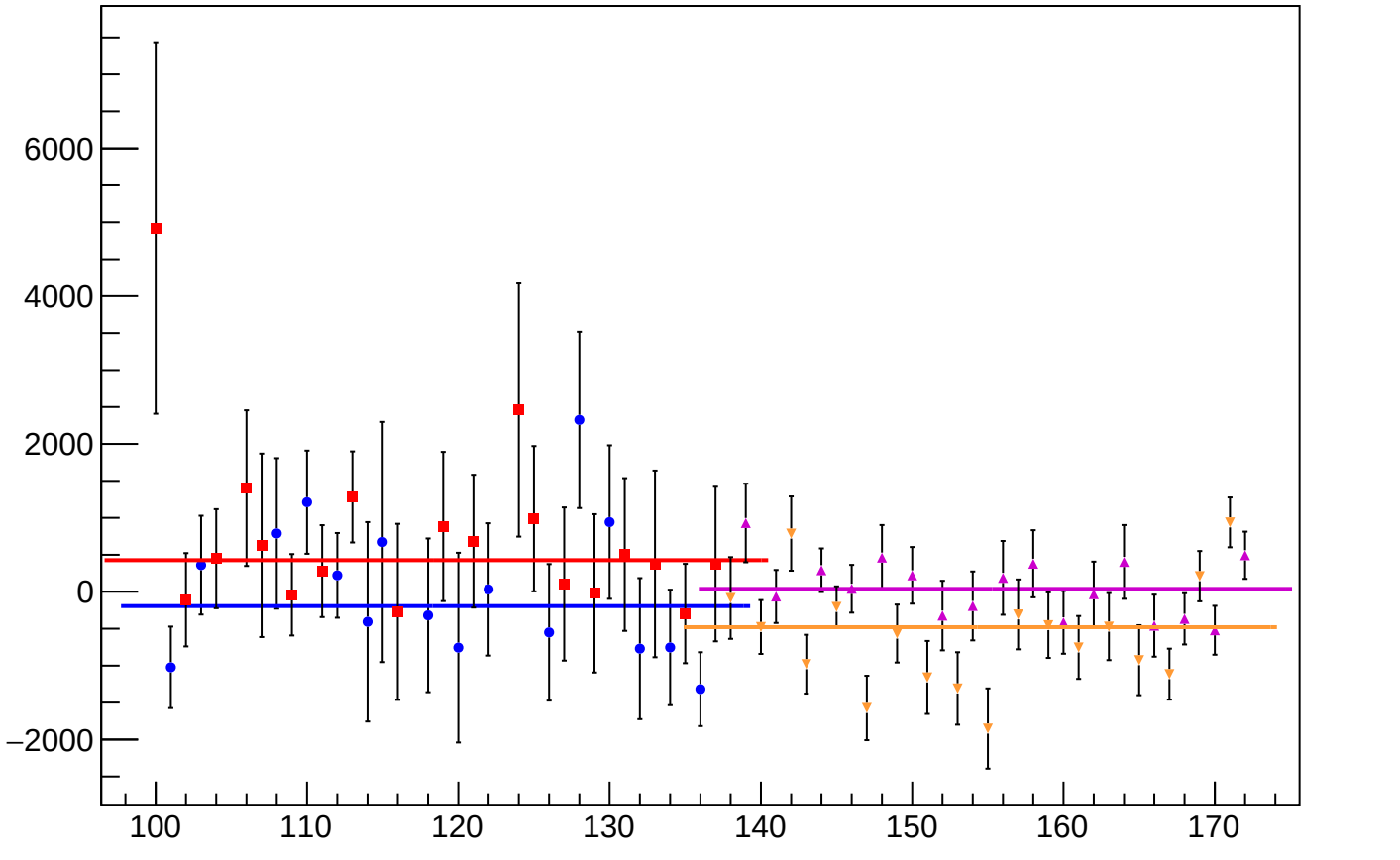
Left: 55.478+/-0.007 χ^2/NDF: 499847.4/34

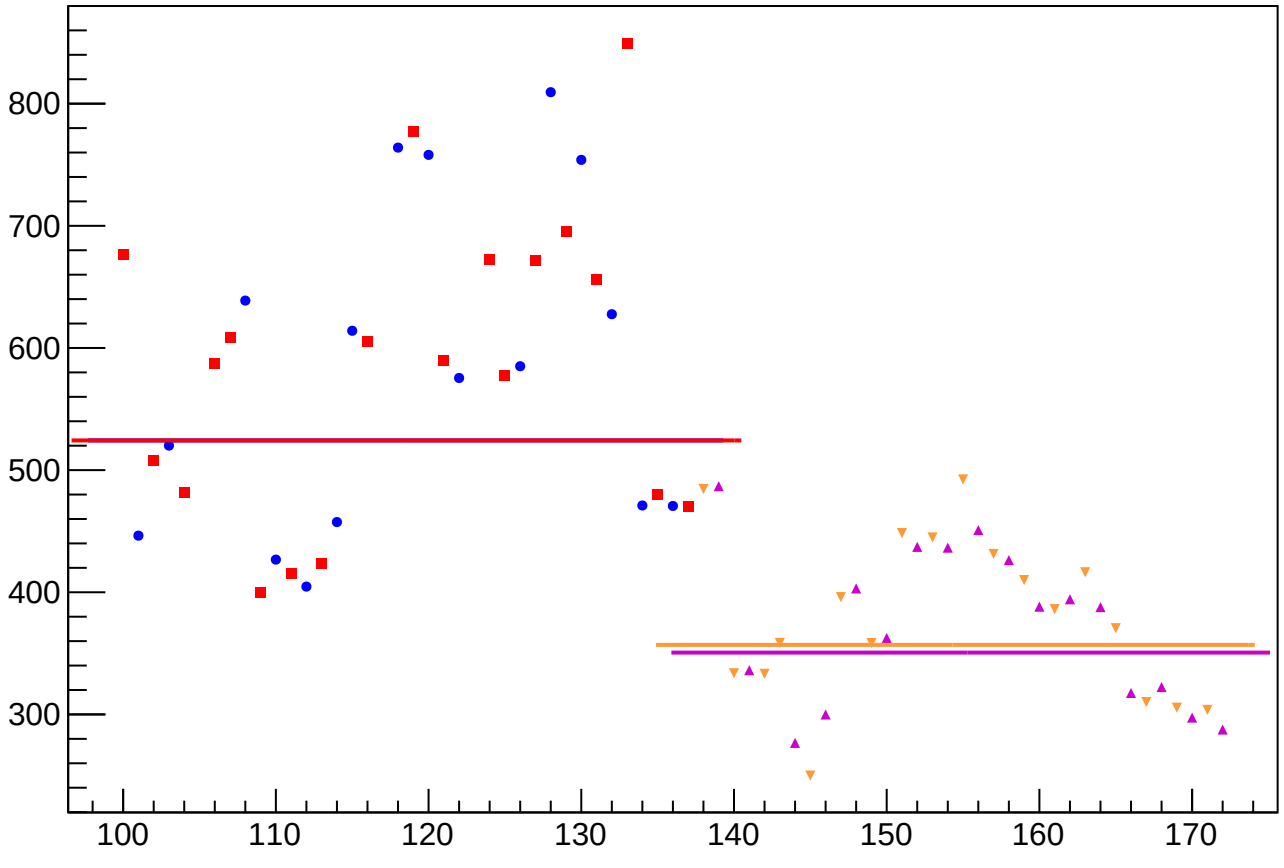
Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 56.421+/-0.009 χ^2/NDF:850127.4/32

Out: 56.659+/-0.009 χ^2/NDF:1085468.0/36

All: 56.540+/-0.006 χ^2/NDF: 1935961.5/69


asym_sam_1357_avg_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: -193.899+/-200.604 χ²/NDF: 20.8/15
Left Out: -479.267+/-96.361 χ²/NDF:53.5/17
Right Out: 426.977+/-197.005 χ²/NDF: 11.3/18
Left In: 38.567+/-95.352 χ²/NDF:15.6/16
Left: -217.624+/-67.778 χ²/NDF: 83.7/34
Right: 122.158+/-140.559 χ²/NDF: 37.0/34
In: -4.276+/-86.119 χ²/NDF:37.5/32
Out: -304.307+/-86.561 χ²/NDF:81.9/36
All: -153.522+/-61.051 χ²/NDF: 125.5/69



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 356.944+/-0.068 χ^2/NDF:945406.8/17

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 350.621+/-0.067 χ^2/NDF:813219.6/16

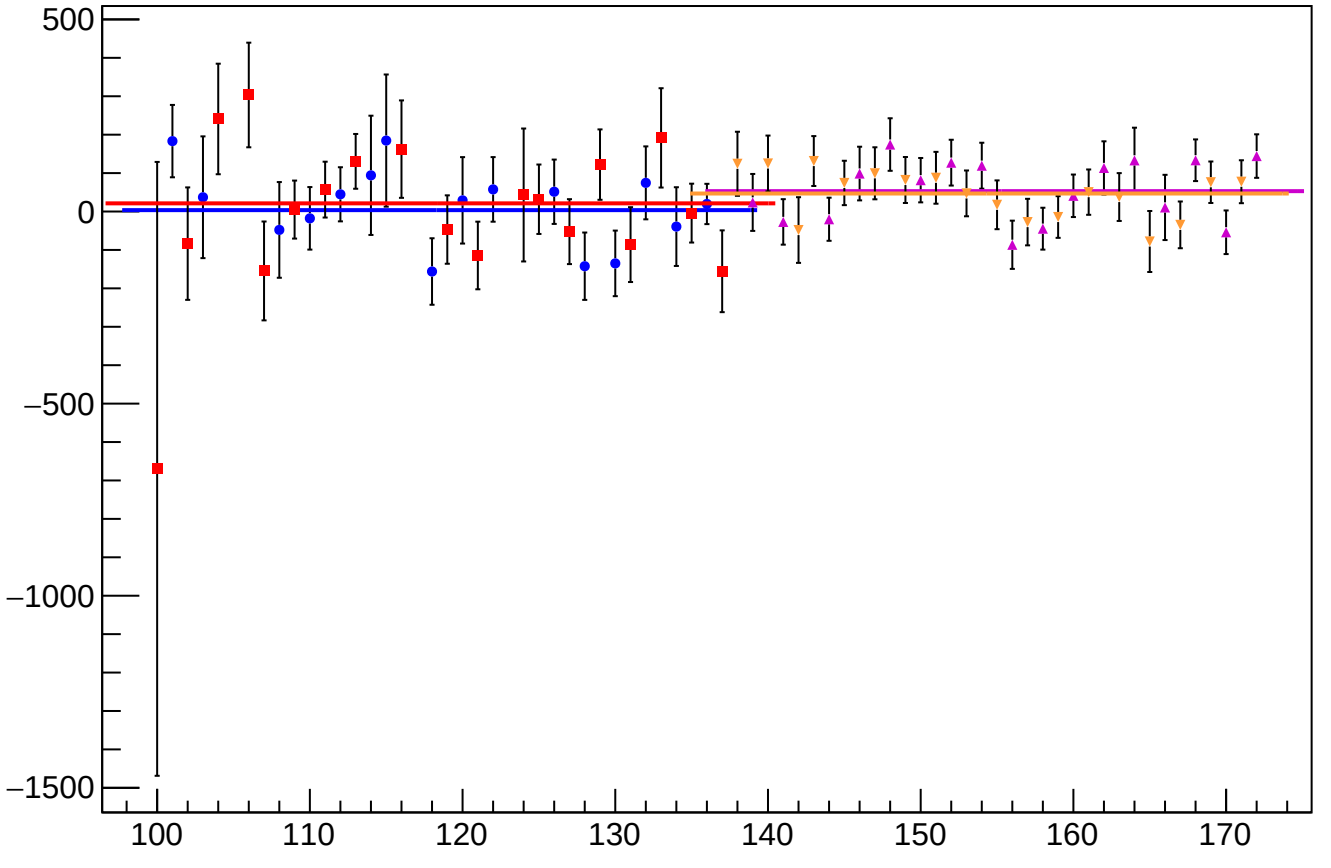
Left: 353.749+/-0.048 χ^2/NDF: 1762977.2/34

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 382.634+/-0.061 χ^2/NDF:2694948.6/32

Out: 389.255+/-0.061 χ^2/NDF:2796221.5/36

All: 385.928+/-0.043 χ^2/NDF: 5497050.1/69



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 46.861+/-14.900 χ^2/NDF:14.4/17

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 53.021+/-15.024 χ^2/NDF:28.7/16

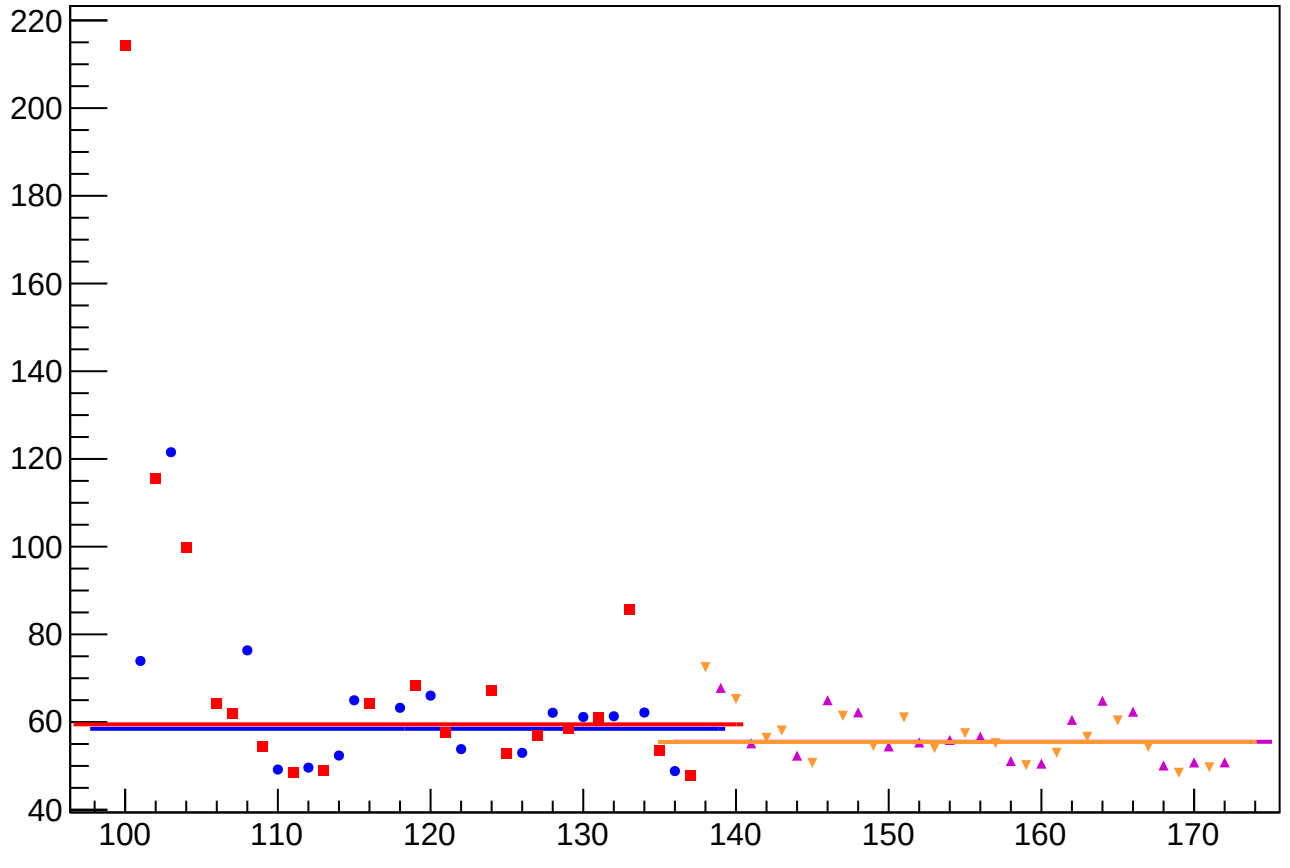
Left: 49.915+/-10.580 χ^2/NDF: 43.2/34

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 37.760+/-12.491 χ^2/NDF:48.2/32

Out: 39.182+/-12.468 χ^2/NDF:39.7/36

All: 38.472+/-8.824 χ^2/NDF: 87.9/69



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 55.450+/-0.011 χ^2/NDF:256634.3/17

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 55.508+/-0.011 χ^2/NDF:243208.0/16

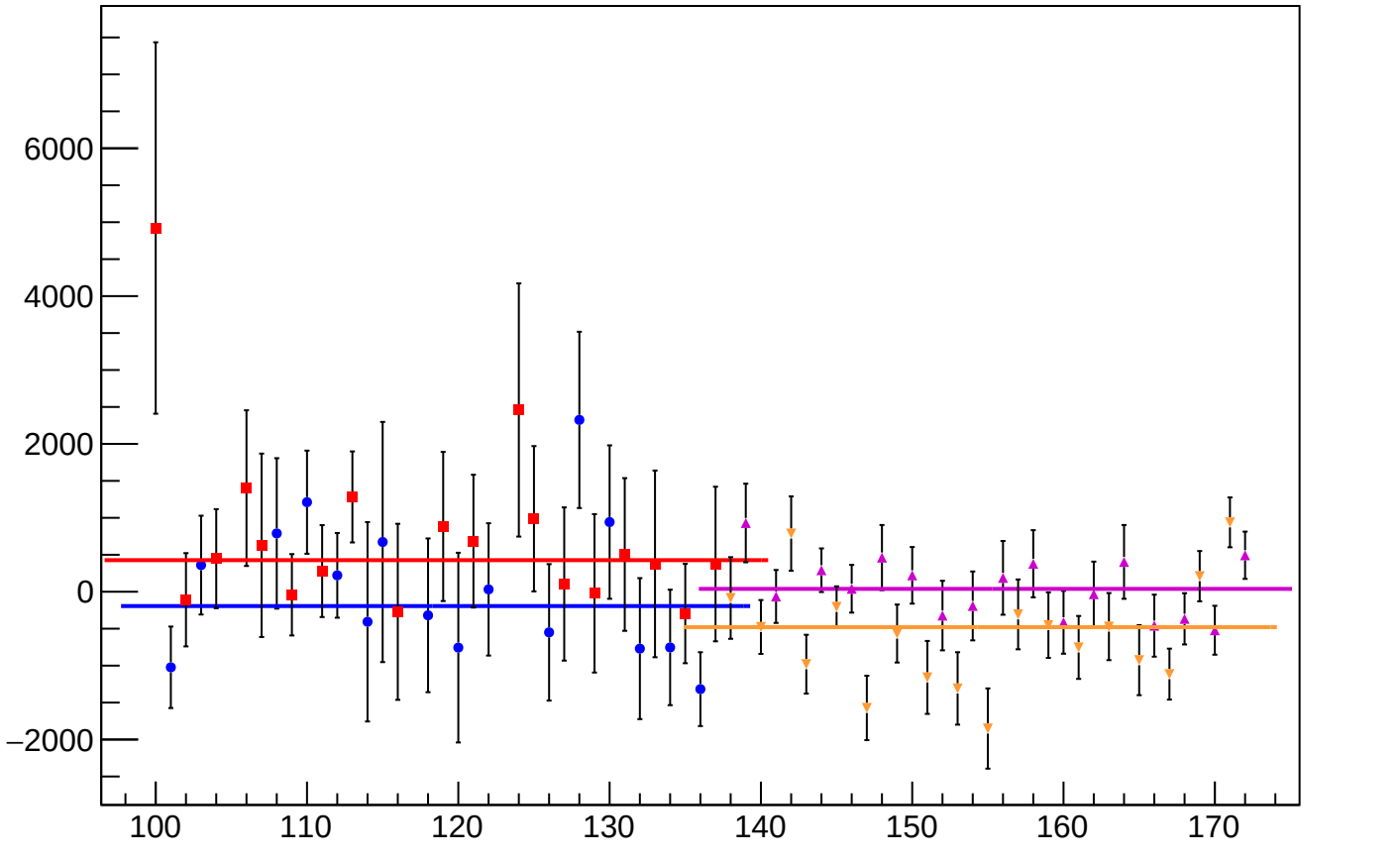
Left: 55.479+/-0.007 χ^2/NDF: 499857.1/34

Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

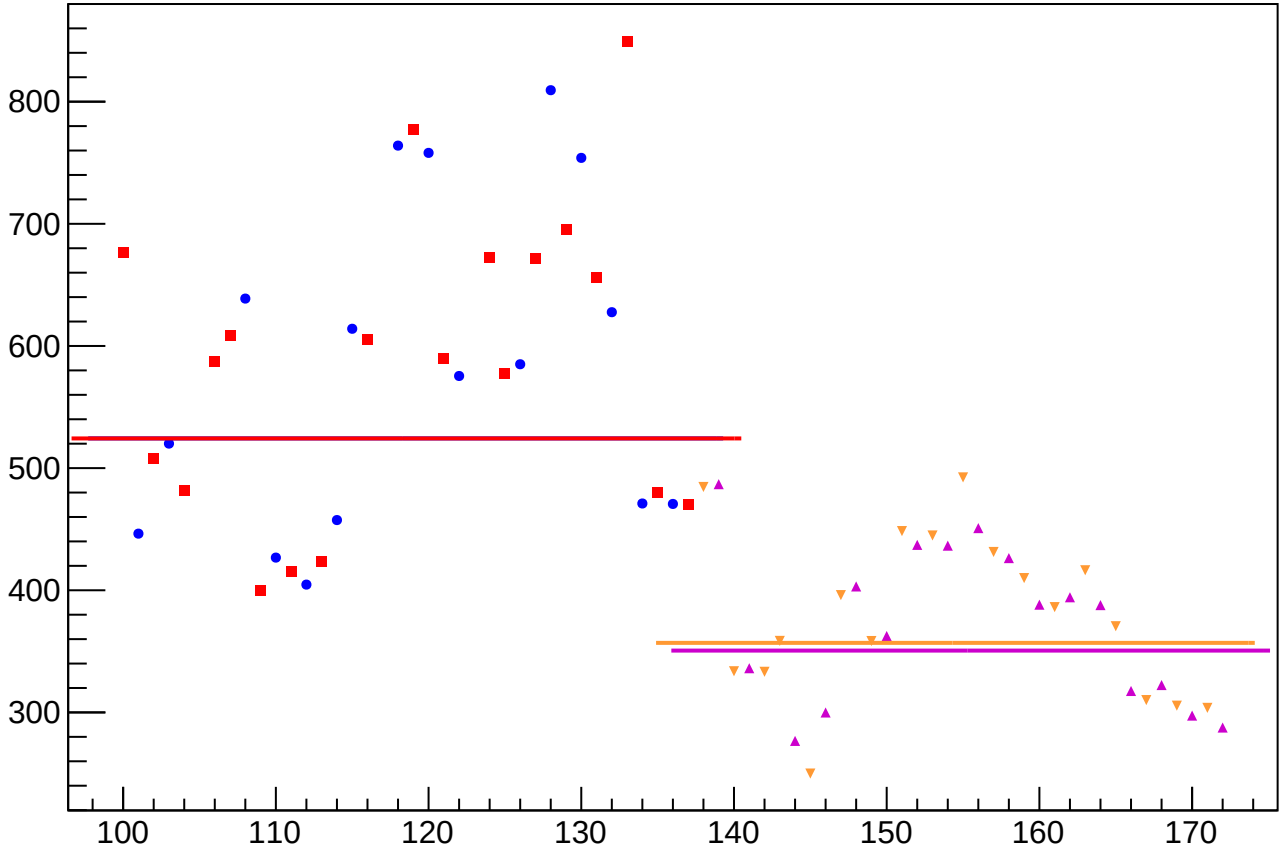
In: 56.421+/-0.009 χ^2/NDF:850125.2/32

Out: 56.660+/-0.009 χ^2/NDF:1085475.5/36

All: 56.540+/-0.006 χ^2/NDF: 1935966.8/69


asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: -193.899+/-200.603 χ²/NDF: 20.8/15
Left Out: -479.267+/-96.361 χ²/NDF:53.5/17
Right Out: 426.976+/-197.005 χ²/NDF: 11.3/18
Left In: 38.566+/-95.352 χ²/NDF:15.6/16
Left: -217.624+/-67.778 χ²/NDF: 83.7/34
Right: 122.157+/-140.558 χ²/NDF: 37.0/34
In: -4.276+/-86.119 χ²/NDF:37.5/32
Out: -304.307+/-86.561 χ²/NDF:81.9/36
All: -153.523+/-61.051 χ²/NDF: 125.5/69

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: 356.943+/-0.068 χ^2/NDF:945403.8/17

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: 353.749+/-0.048 χ^2/NDF: 1762968.6/34

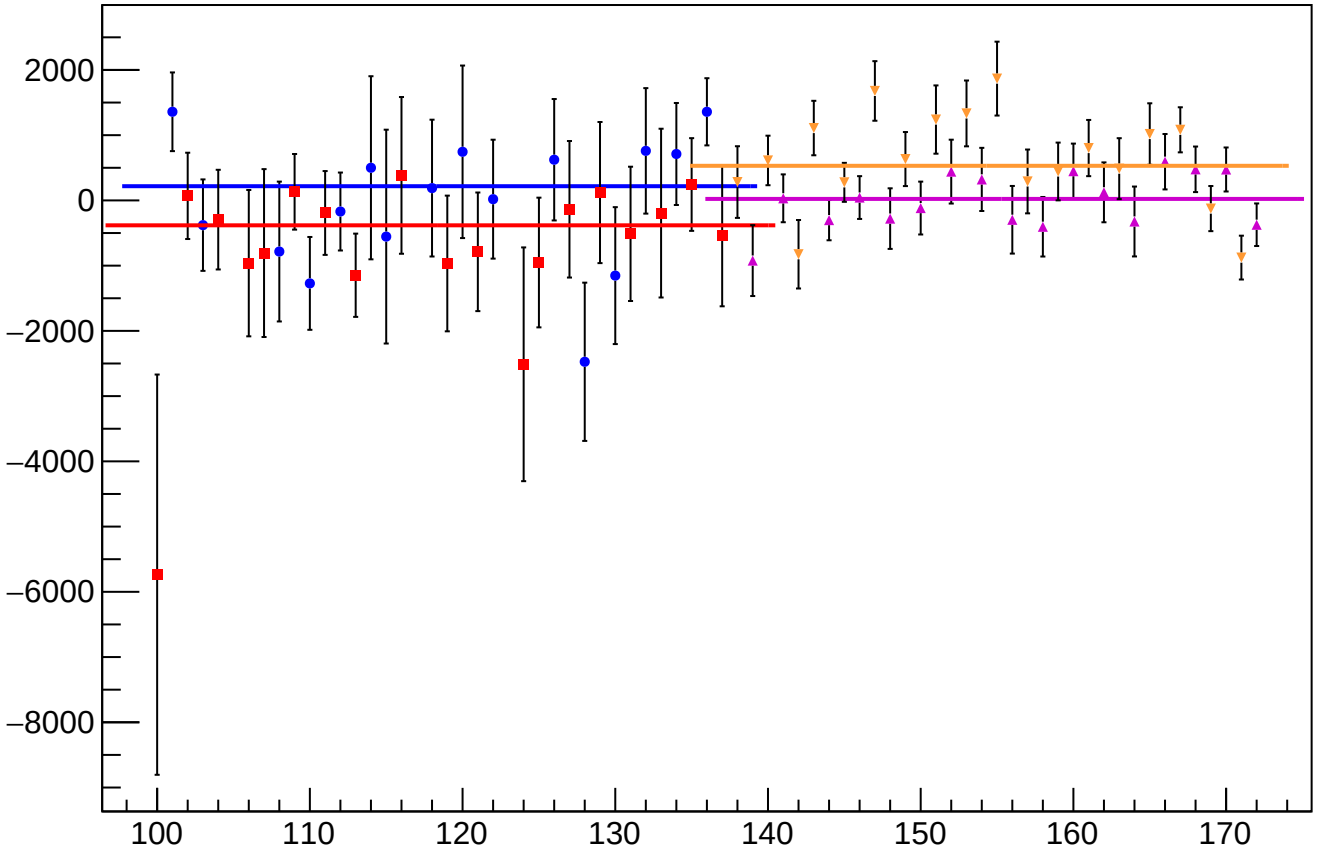
Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 382.634+/-0.061 χ^2/NDF:2694940.5/32

Out: 389.254+/-0.061 χ^2/NDF:2796214.6/36

All: 385.927+/-0.043 χ^2/NDF: 5497035.0/69

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 530.515+/-99.263 χ^2/NDF:51.3/17

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: 273.565+/-69.757 χ^2/NDF: 79.8/34

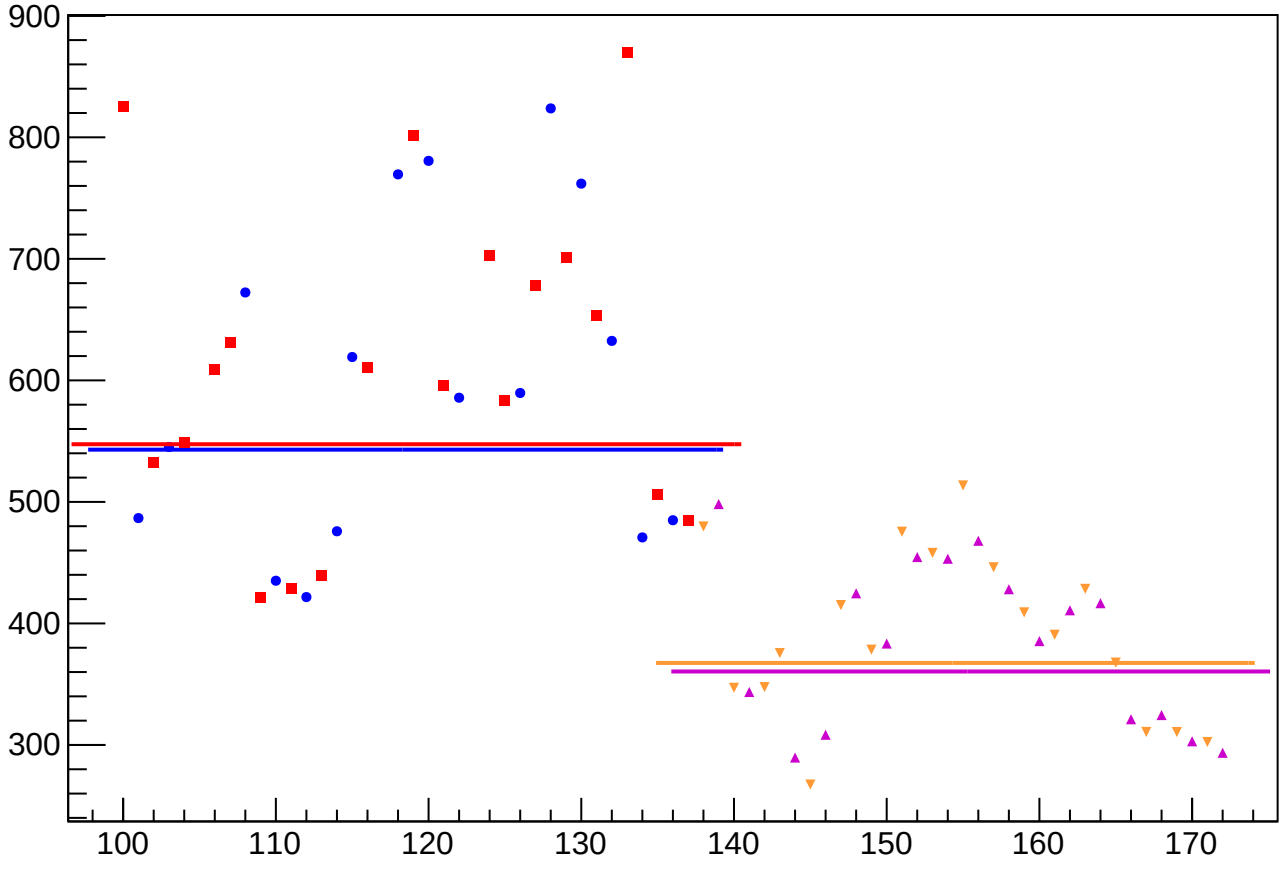
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: 58.434+/-88.650 χ^2/NDF:38.9/32

Out: 358.033+/-89.389 χ^2/NDF:77.3/36

All: 206.990+/-62.945 χ^2/NDF: 121.8/69

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 367.505+/-0.070 χ^2/NDF:915502.1/17

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: 363.941+/-0.049 χ^2/NDF: 1764238.9/34

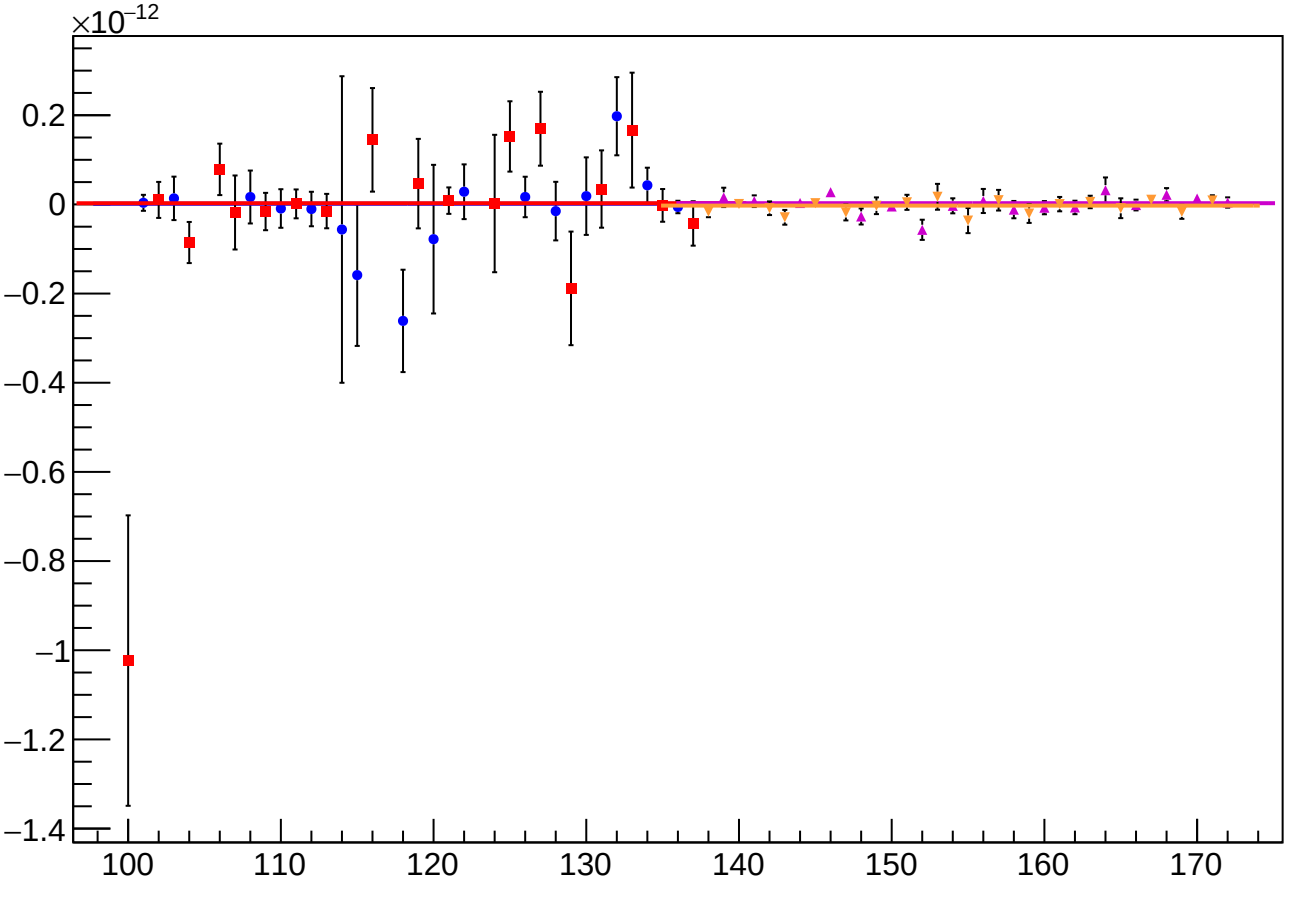
Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 393.783+/-0.063 χ^2/NDF:2714159.4/32

Out: 401.527+/-0.063 χ^2/NDF:2788556.9/36

All: 397.623+/-0.045 χ^2/NDF: 5510282.7/69

asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/17

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: 34.2/34

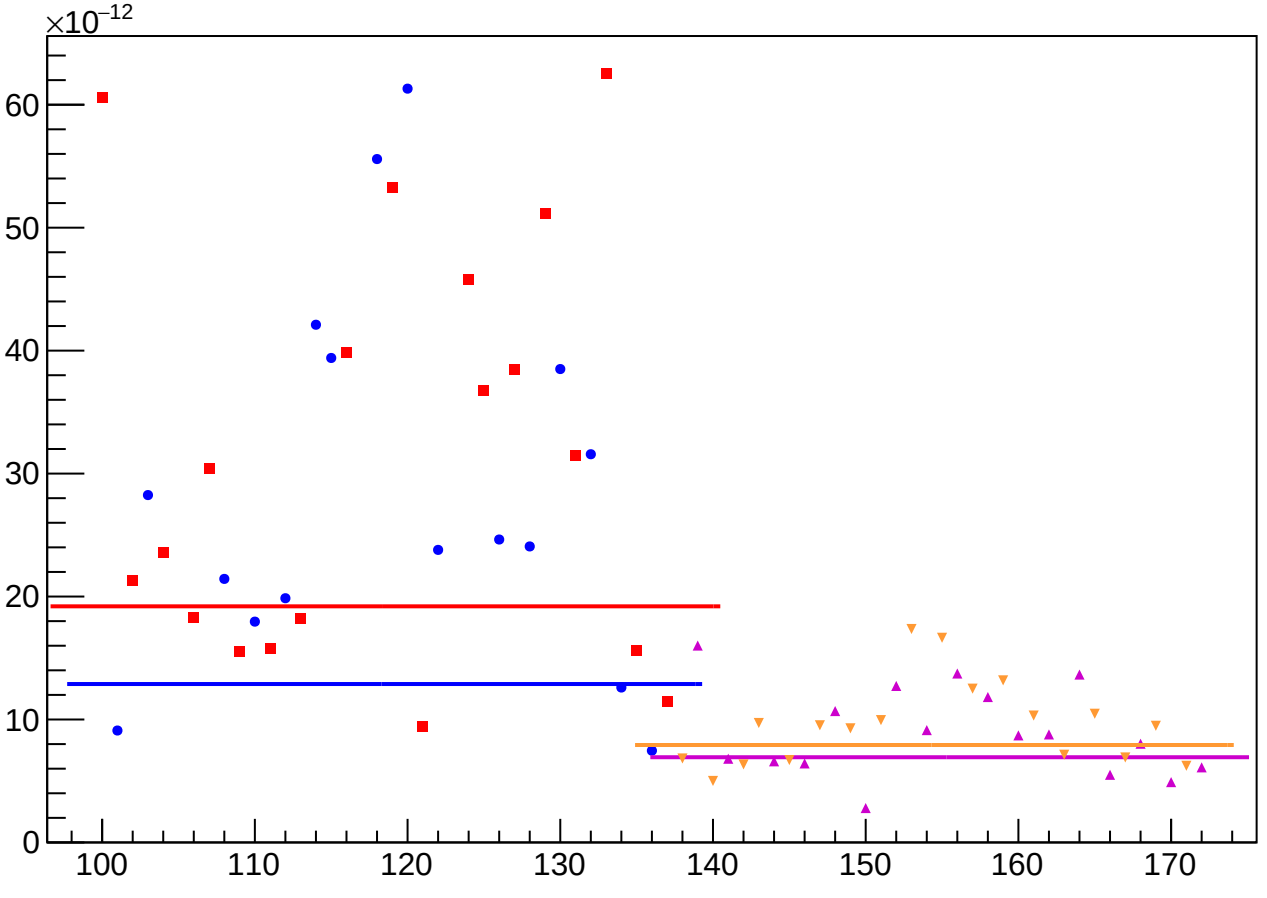
Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

In: 0.000+/-0.000 χ^2/NDF:34.8/32

Out: -0.000+/-0.000 χ^2/NDF:42.0/36

All: 0.000+/-0.000 χ^2/NDF: 77.9/69

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1116666.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1649109.7/16

Left: 0.000+/-0.000 χ^2/NDF: 2851428.9/34

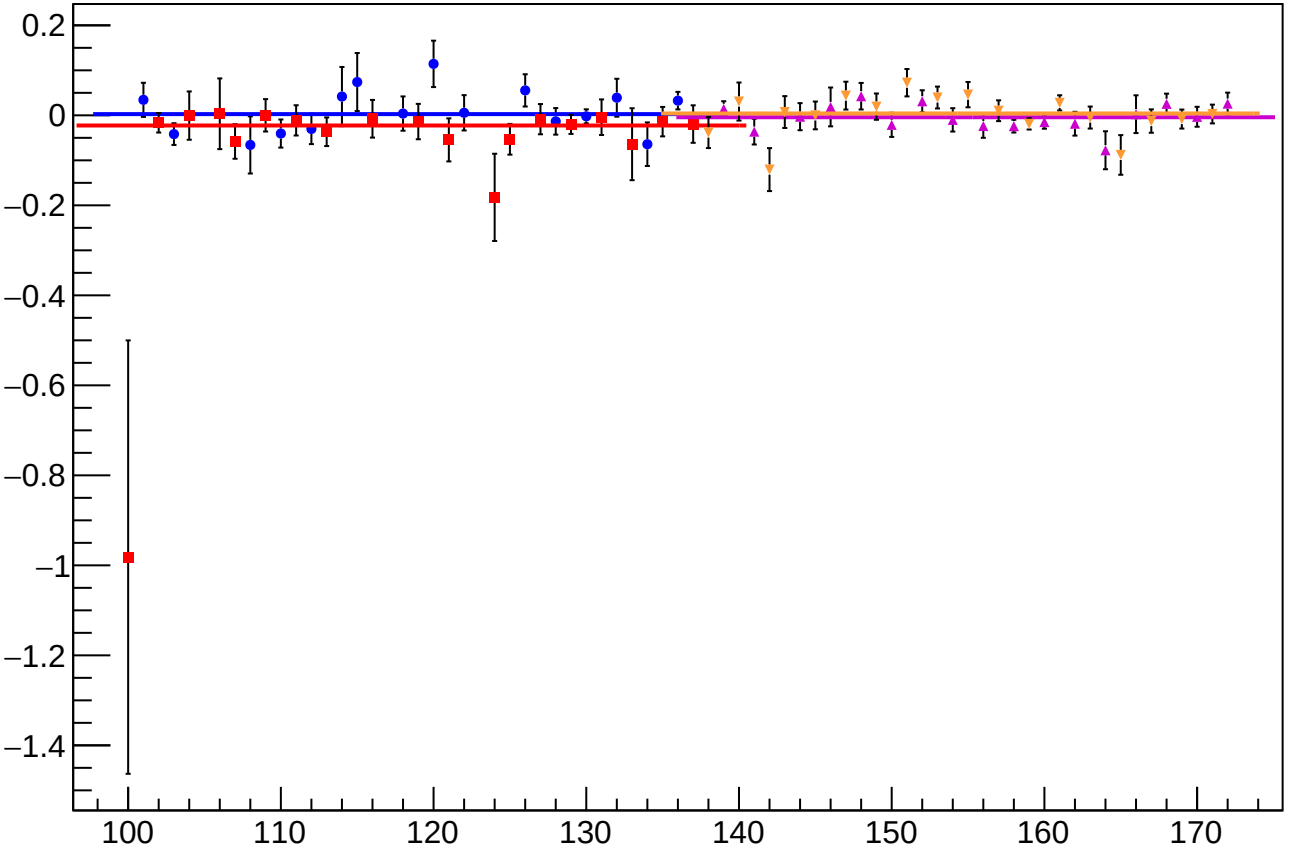
Right: 0.000+/-0.000 χ^2/NDF: 3472471.7/34

In: 0.000+/-0.000 χ^2/NDF:4166296.7/32

Out: 0.000+/-0.000 χ^2/NDF:4081196.8/36

All: 0.000+/-0.000 χ^2/NDF: 8373083.4/69

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:30.7/17

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.004+/-0.006 χ^2/NDF:17.4/16

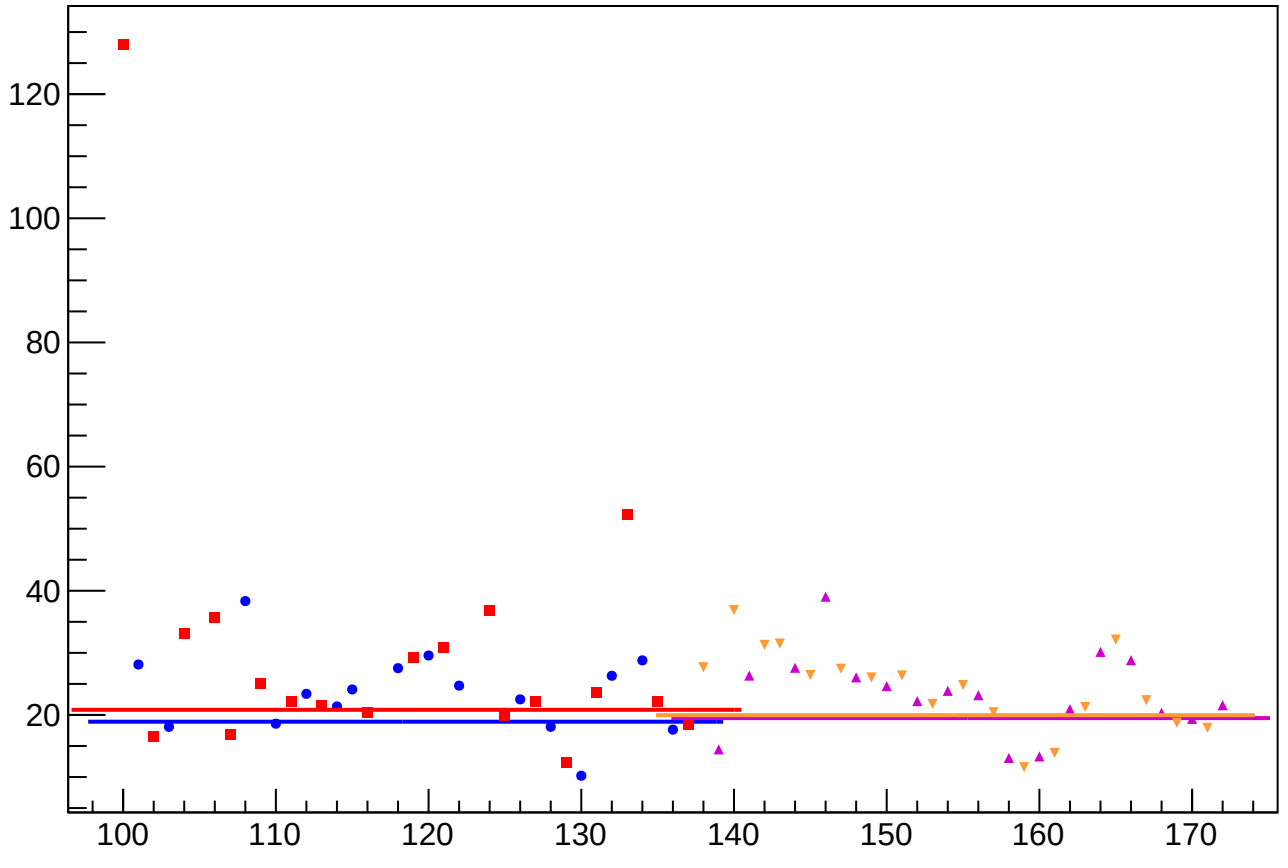
Left: -0.000+/-0.004 χ^2/NDF: 49.2/34

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:48.2/36

All: -0.003+/-0.003 χ^2/NDF: 88.3/69



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 19.959+/-0.004 χ^2/NDF:2533672.6/17

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: 19.719+/-0.003 χ^2/NDF: 4686830.6/34

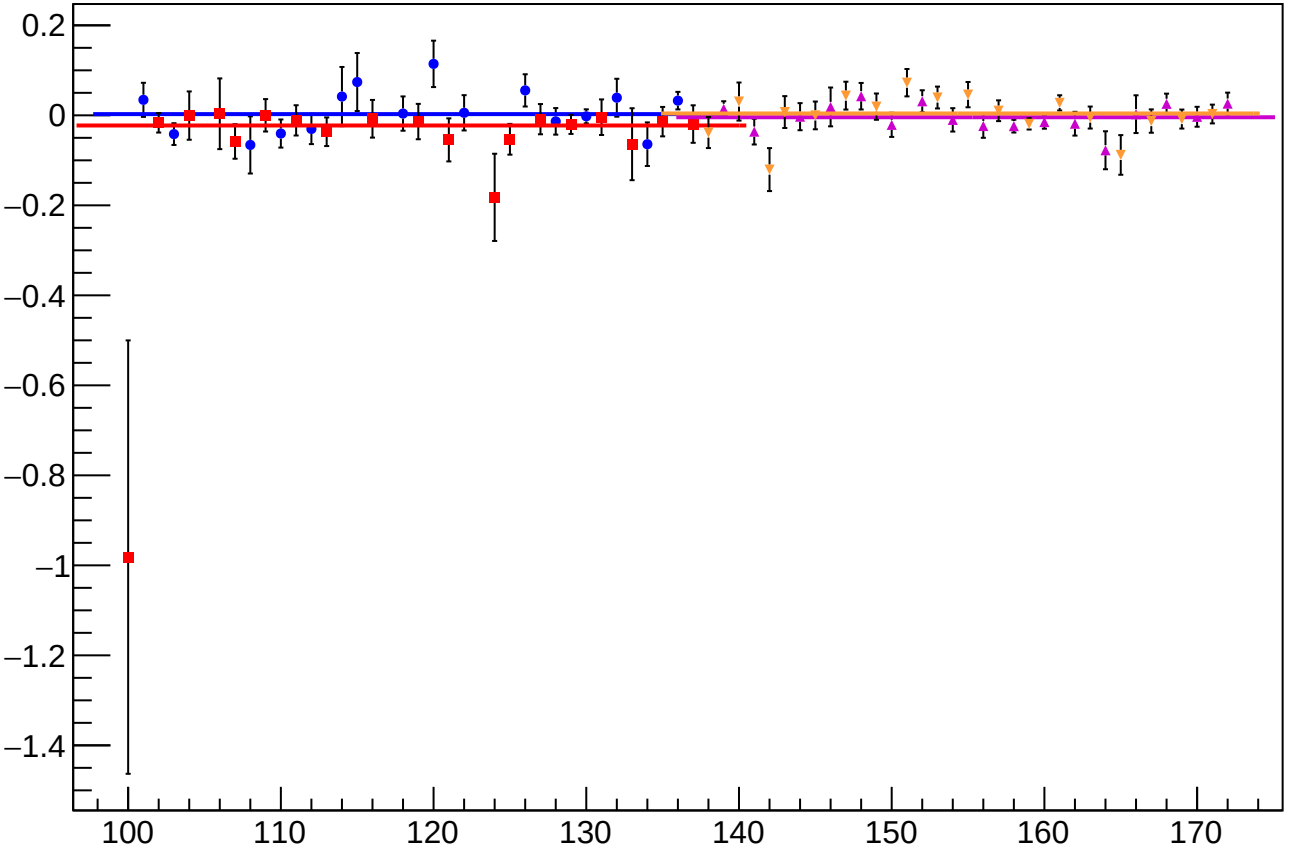
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.290+/-0.003 χ^2/NDF:3543970.3/32

Out: 20.237+/-0.003 χ^2/NDF:3839546.2/36

All: 19.743+/-0.002 χ^2/NDF: 7424394.2/69

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:30.7/17

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: 49.2/34

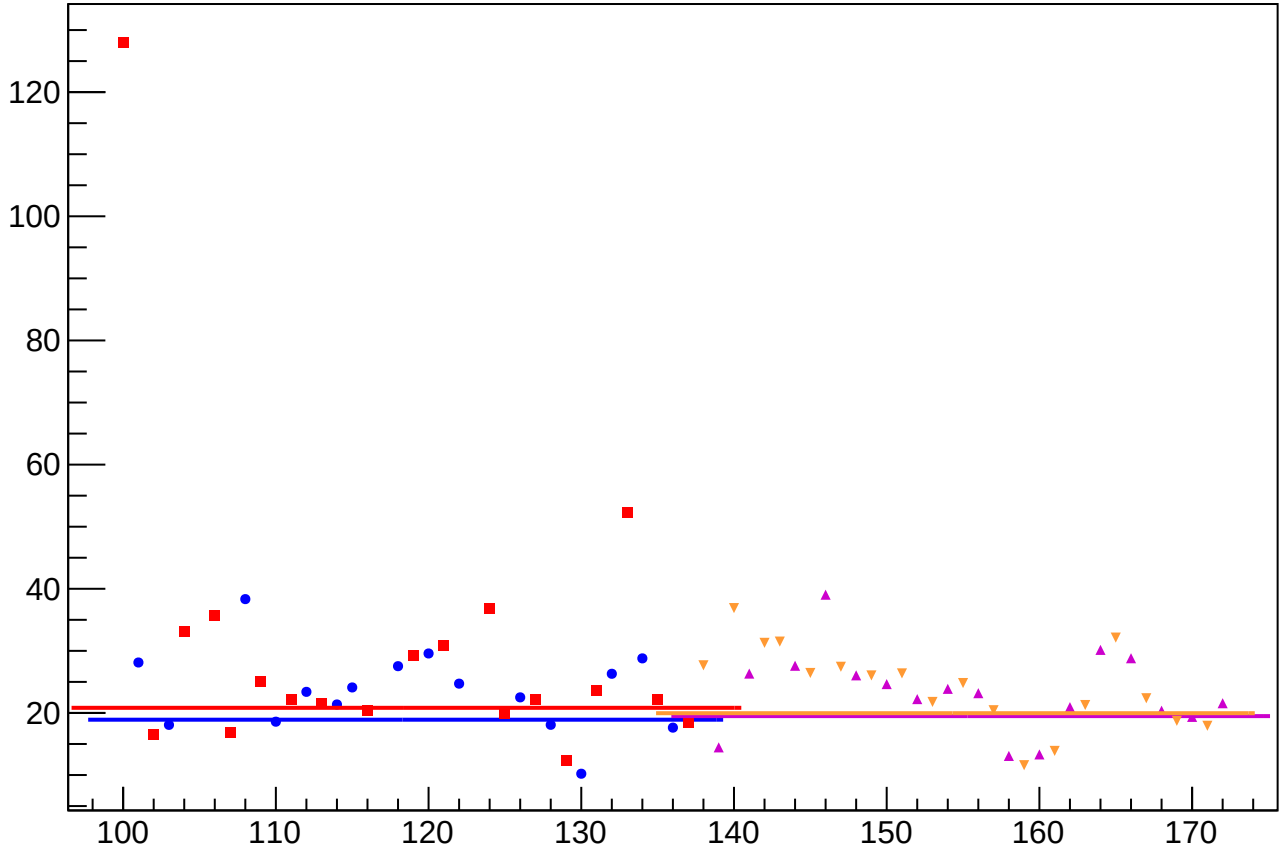
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.005 χ^2/NDF:39.9/32

Out: -0.004+/-0.005 χ^2/NDF:48.2/36

All: -0.003+/-0.003 χ^2/NDF: 88.3/69

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: 19.959+/-0.004 χ^2/NDF:2533672.6/17

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.489+/-0.004 χ^2/NDF:2146429.5/16

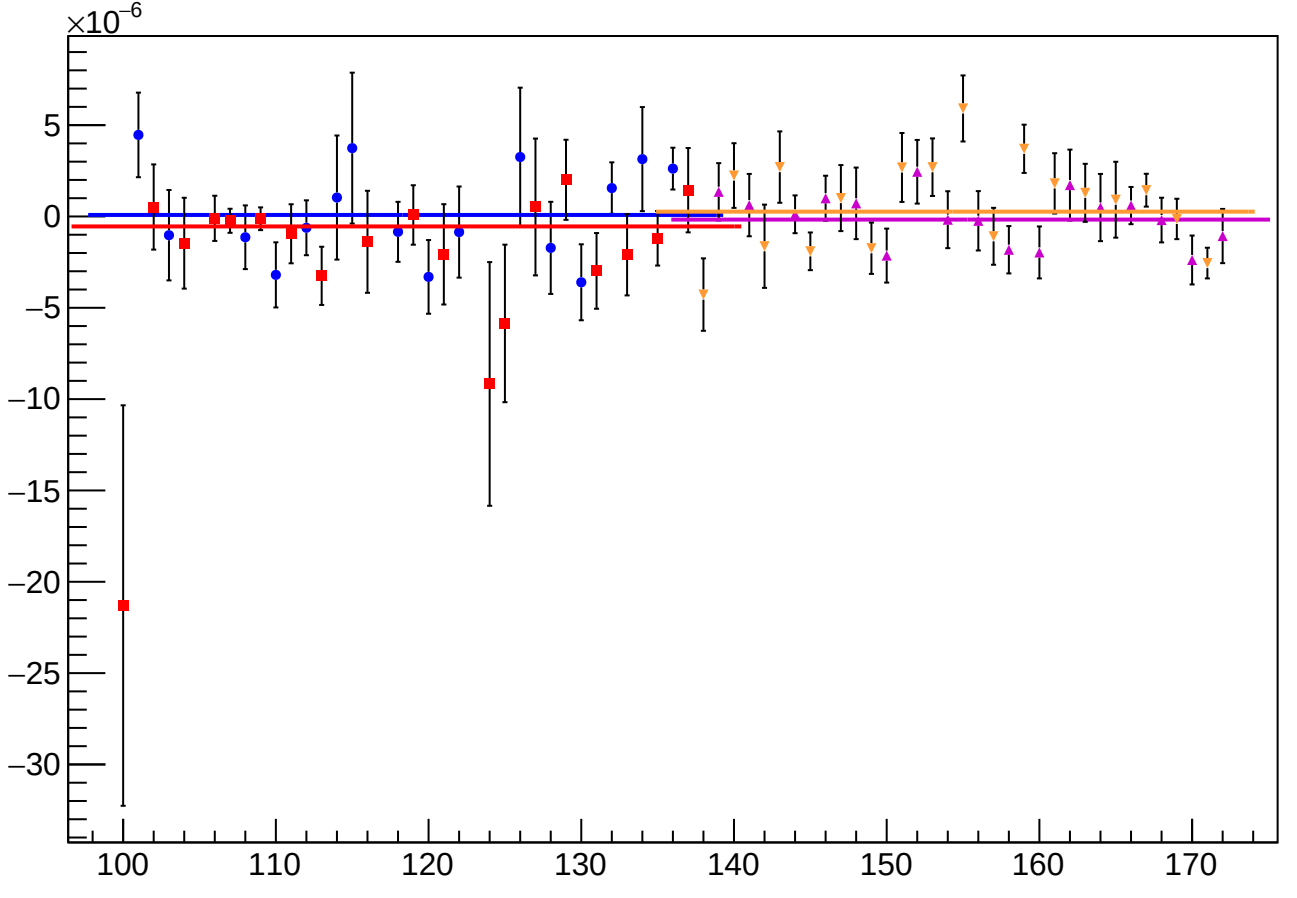
Left: 19.719+/-0.003 χ^2/NDF: 4686830.6/34

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.290+/-0.003 χ^2/NDF:3543970.3/32

Out: 20.237+/-0.003 χ^2/NDF:3839546.2/36

All: 19.743+/-0.002 χ^2/NDF: 7424394.2/69



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:51.1/17

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:14.3/16

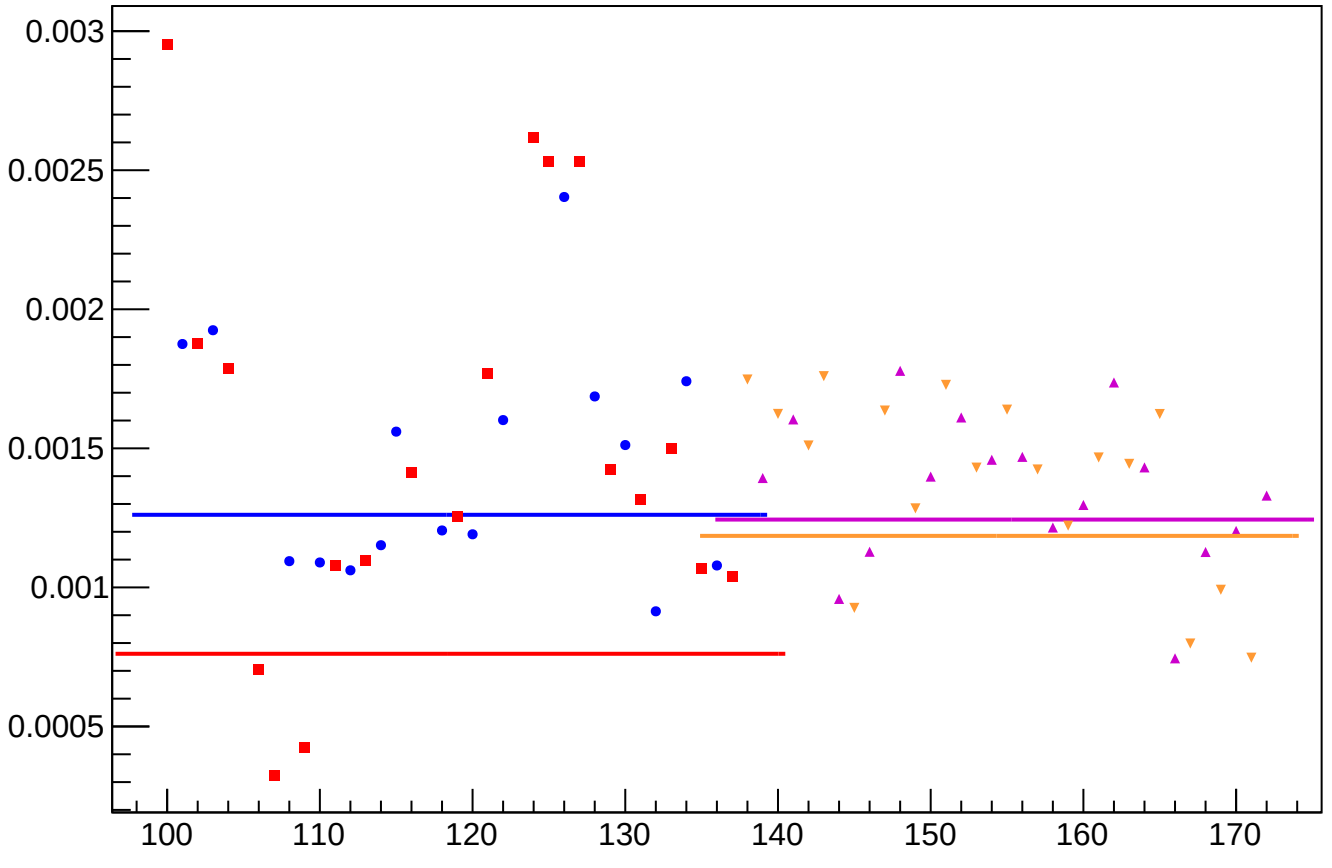
Left: 0.000+/-0.000 χ^2/NDF: 66.3/34

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:69.7/36

All: -0.000+/-0.000 χ^2/NDF: 107.8/69



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:2321801.8/17

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: 3625211.7/34

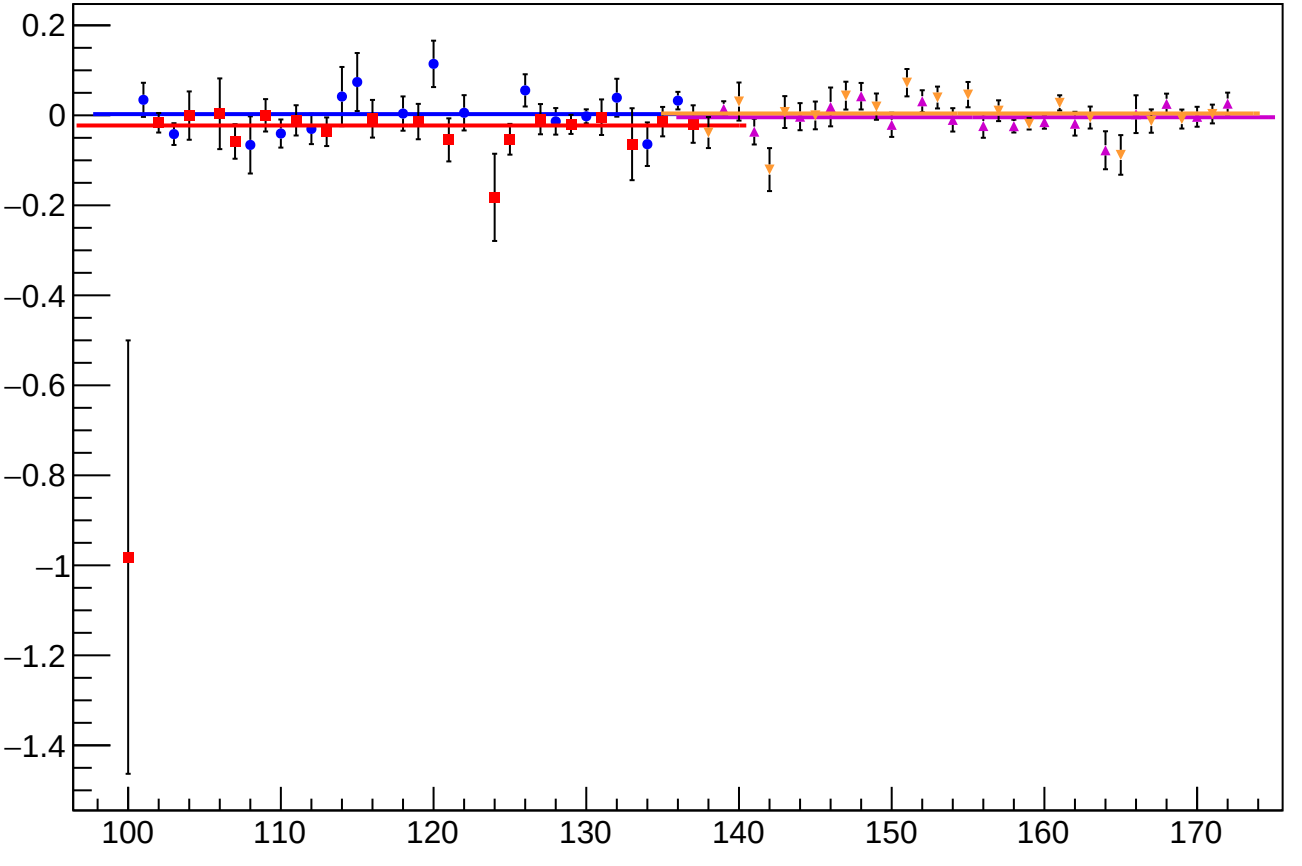
Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:2182087.6/32

Out: 0.001+/-0.000 χ^2/NDF:8607006.3/36

All: 0.001+/-0.000 χ^2/NDF: 11877087.6/69

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:30.7/17

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: 49.2/34

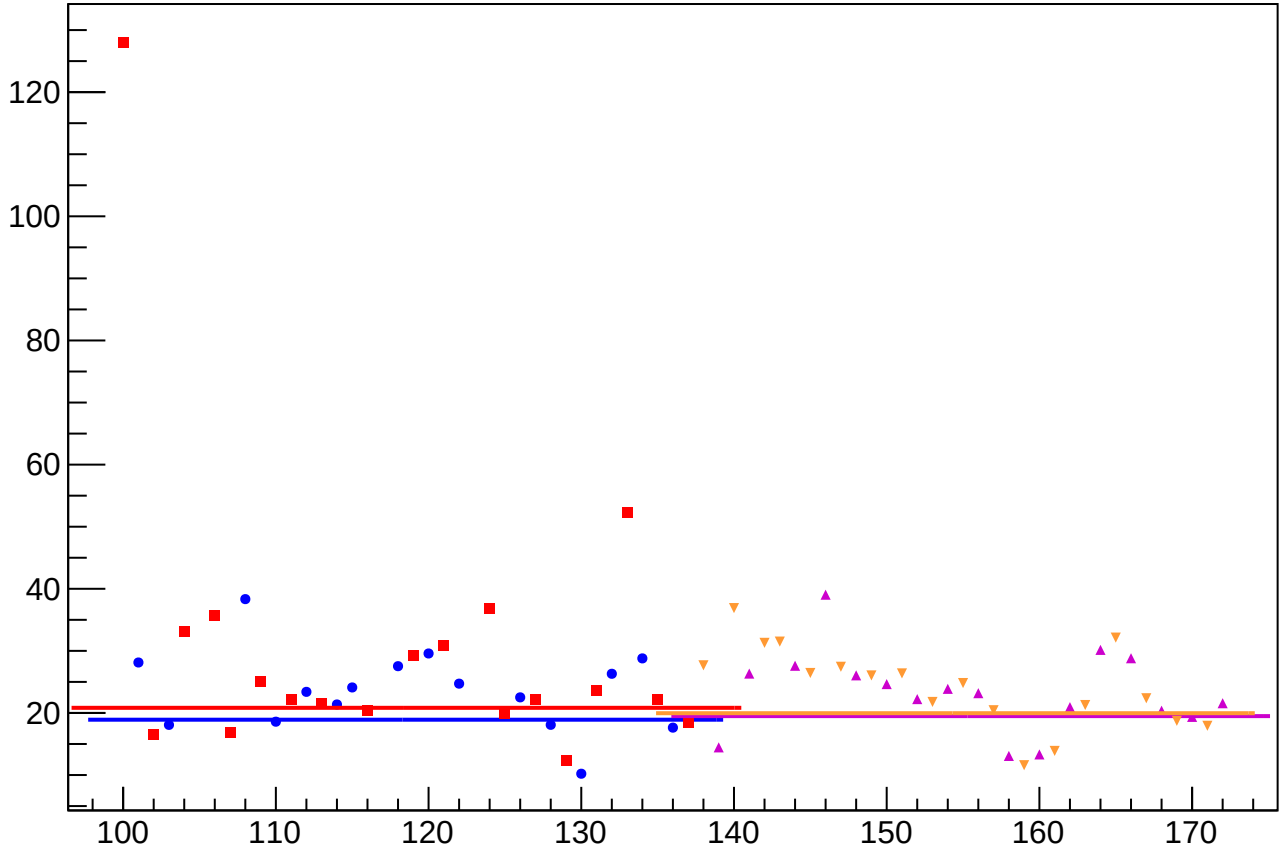
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.005 χ^2/NDF:39.9/32

Out: -0.004+/-0.005 χ^2/NDF:48.2/36

All: -0.003+/-0.003 χ^2/NDF: 88.3/69

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: 19.959+/-0.004 χ^2/NDF:2533872.3/17

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: 19.719+/-0.003 χ^2/NDF: 4687124.4/34

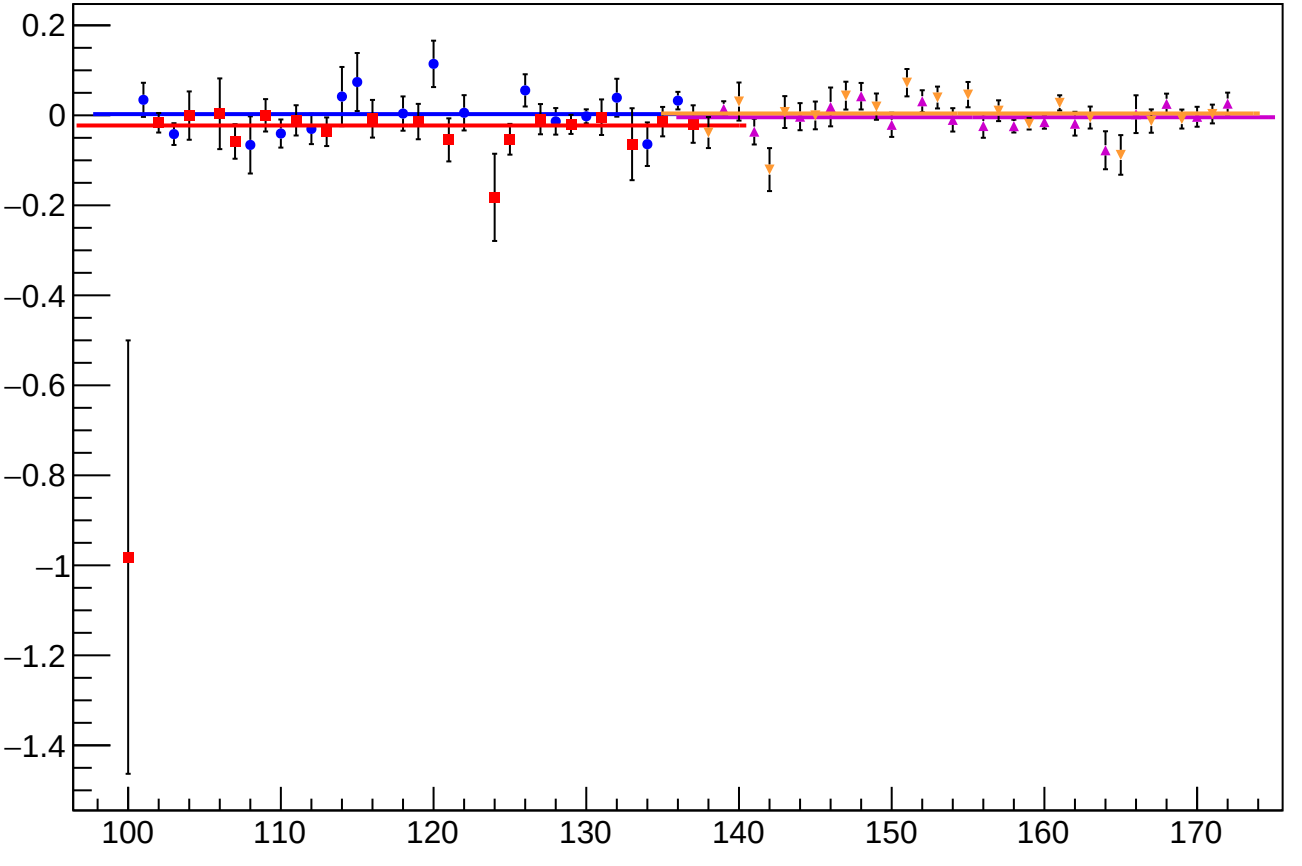
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.290+/-0.003 χ^2/NDF:3543948.2/32

Out: 20.237+/-0.003 χ^2/NDF:3839747.8/36

All: 19.744+/-0.002 χ^2/NDF: 7424557.0/69

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:30.7/17

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: 49.2/34

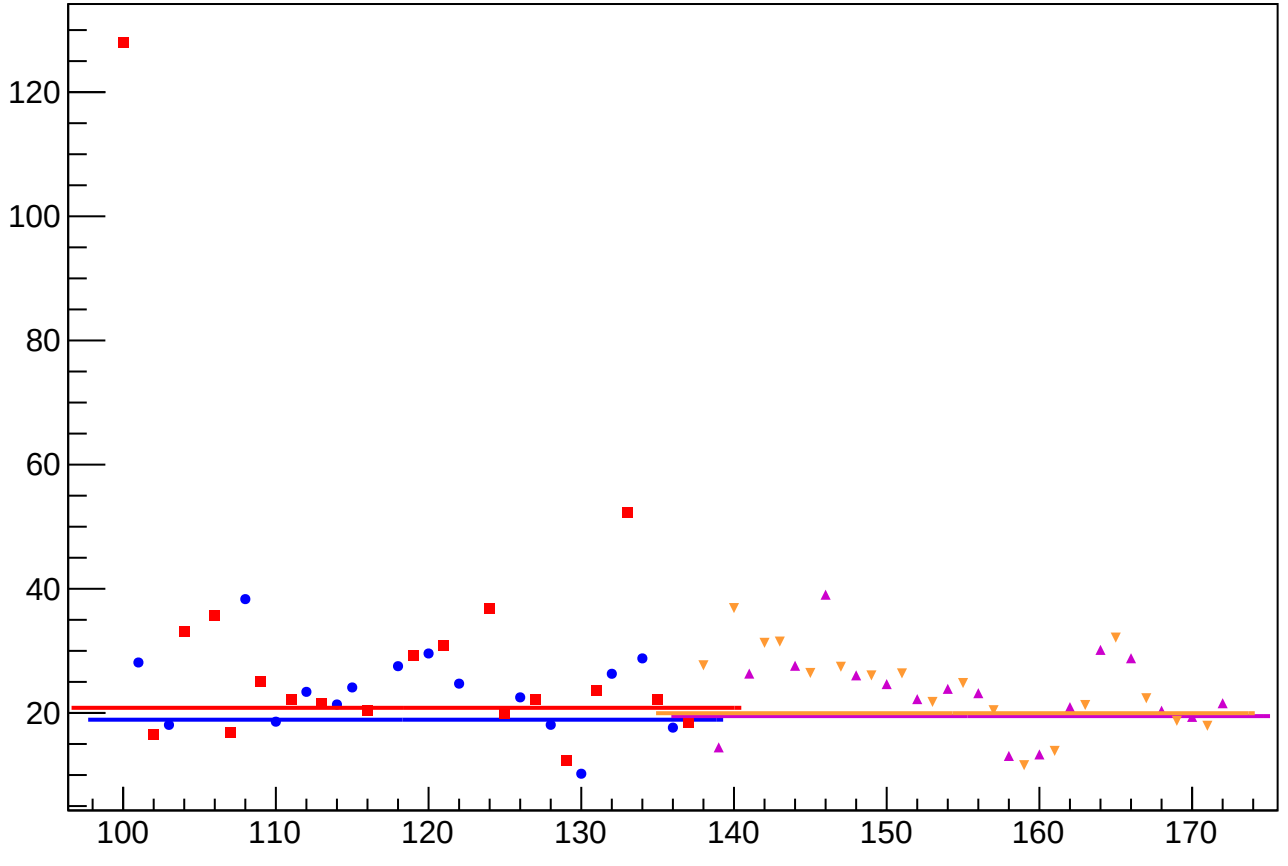
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.002+/-0.005 χ^2/NDF:39.9/32

Out: -0.004+/-0.005 χ^2/NDF:48.2/36

All: -0.003+/-0.003 χ^2/NDF: 88.3/69

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: 19.959+/-0.004 χ^2/NDF:2533872.3/17

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.490+/-0.004 χ^2/NDF:2146528.5/16

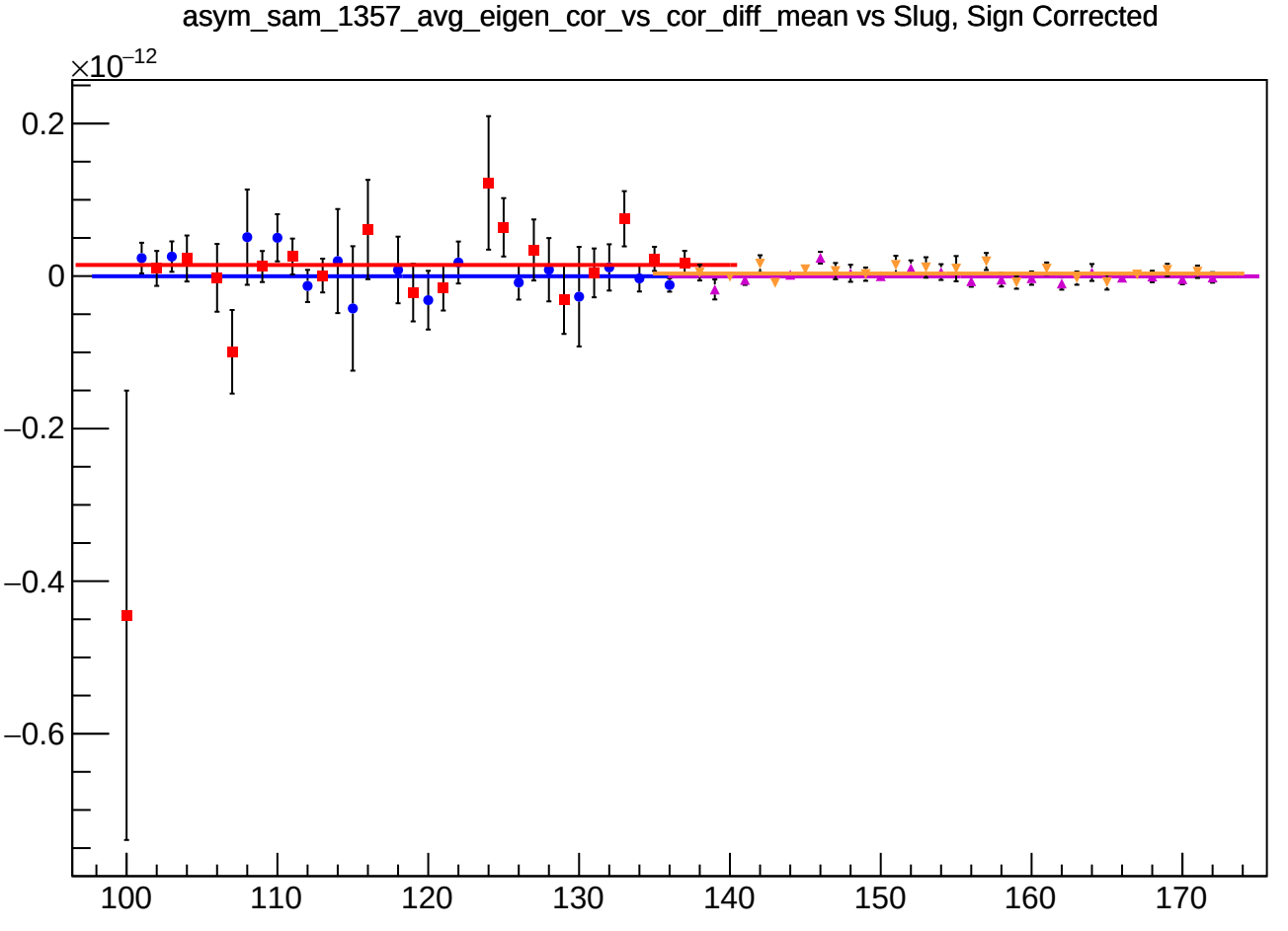
Left: 19.719+/-0.003 χ^2/NDF: 4687124.4/34

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.290+/-0.003 χ^2/NDF:3543948.2/32

Out: 20.237+/-0.003 χ^2/NDF:3839747.8/36

All: 19.744+/-0.002 χ^2/NDF: 7424557.0/69



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/17

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: 33.8/34

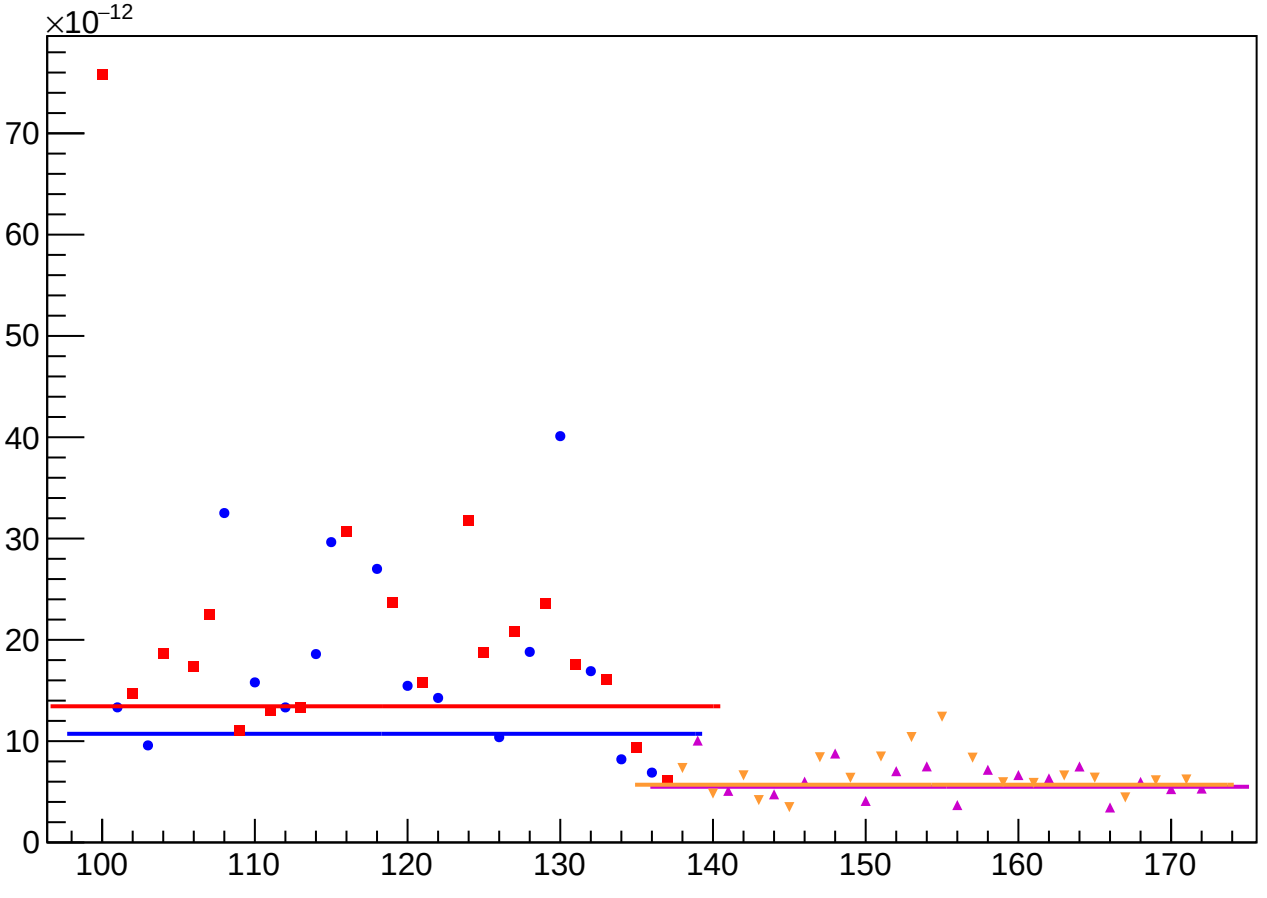
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: -0.000+/-0.000 χ^2/NDF:27.3/32

Out: 0.000+/-0.000 χ^2/NDF:35.5/36

All: 0.000+/-0.000 χ^2/NDF: 65.9/69

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:1690036.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1243874.2/16

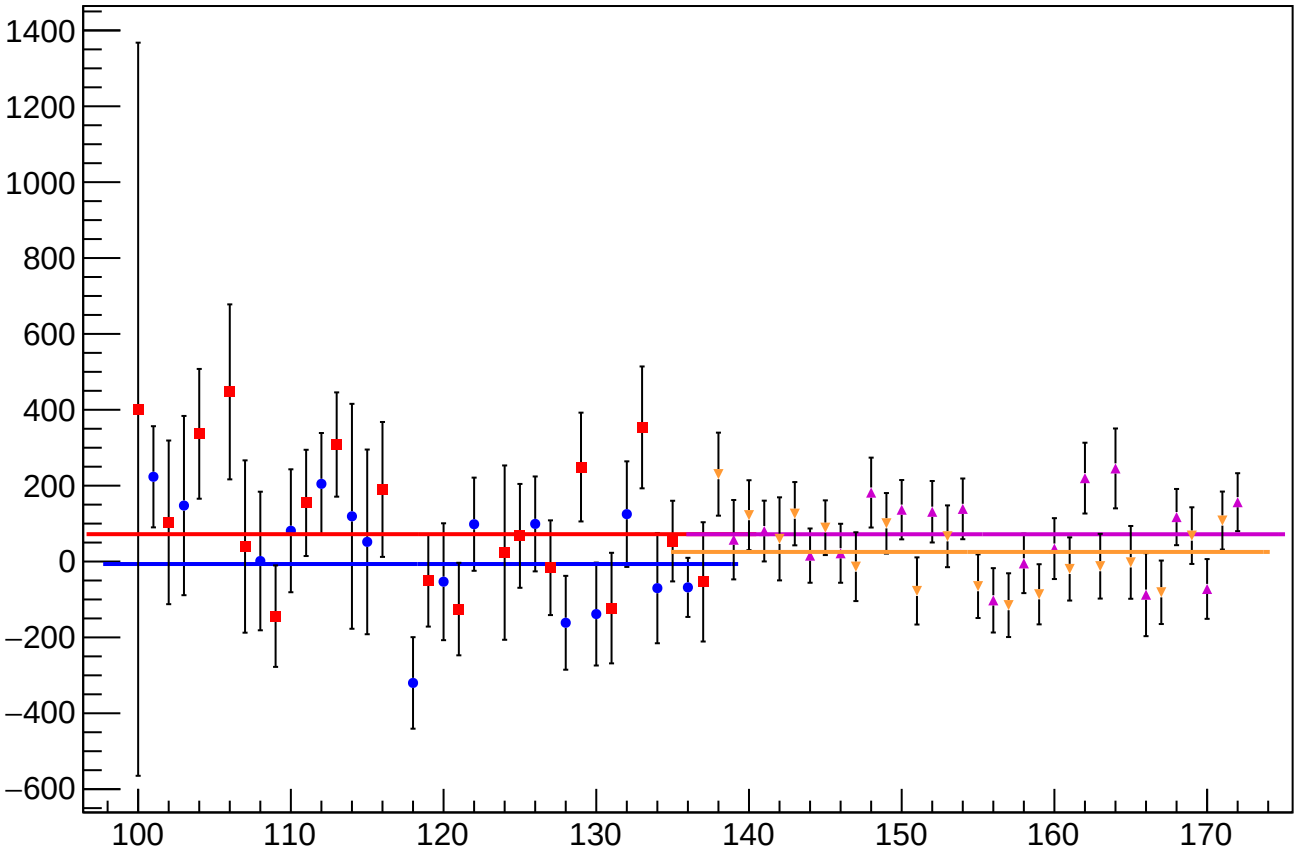
Left: 0.000+/-0.000 χ^2/NDF: 2945084.1/34

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:5673287.6/36

All: 0.000+/-0.000 χ^2/NDF: 10341771.1/69



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 25.287+/-19.983 χ^2/NDF:19.3/17

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: 48.378+/-14.195 χ^2/NDF: 44.1/34

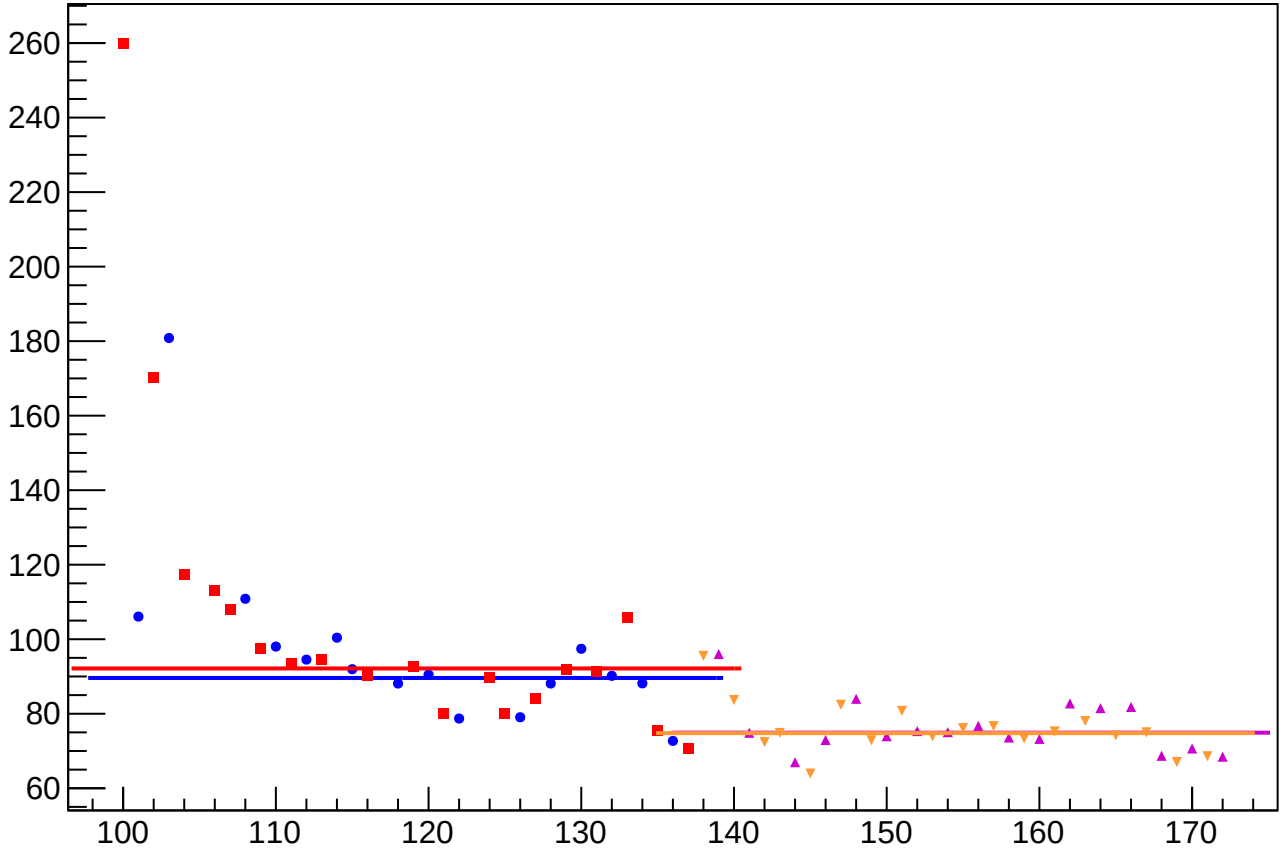
Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 51.731+/-17.384 χ^2/NDF:44.9/32

Out: 36.859+/-17.339 χ^2/NDF:43.4/36

All: 44.276+/-12.277 χ^2/NDF: 88.7/69

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 74.796+/-0.014 χ^2/NDF:201470.5/17

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 74.922+/-0.014 χ^2/NDF:193464.6/16

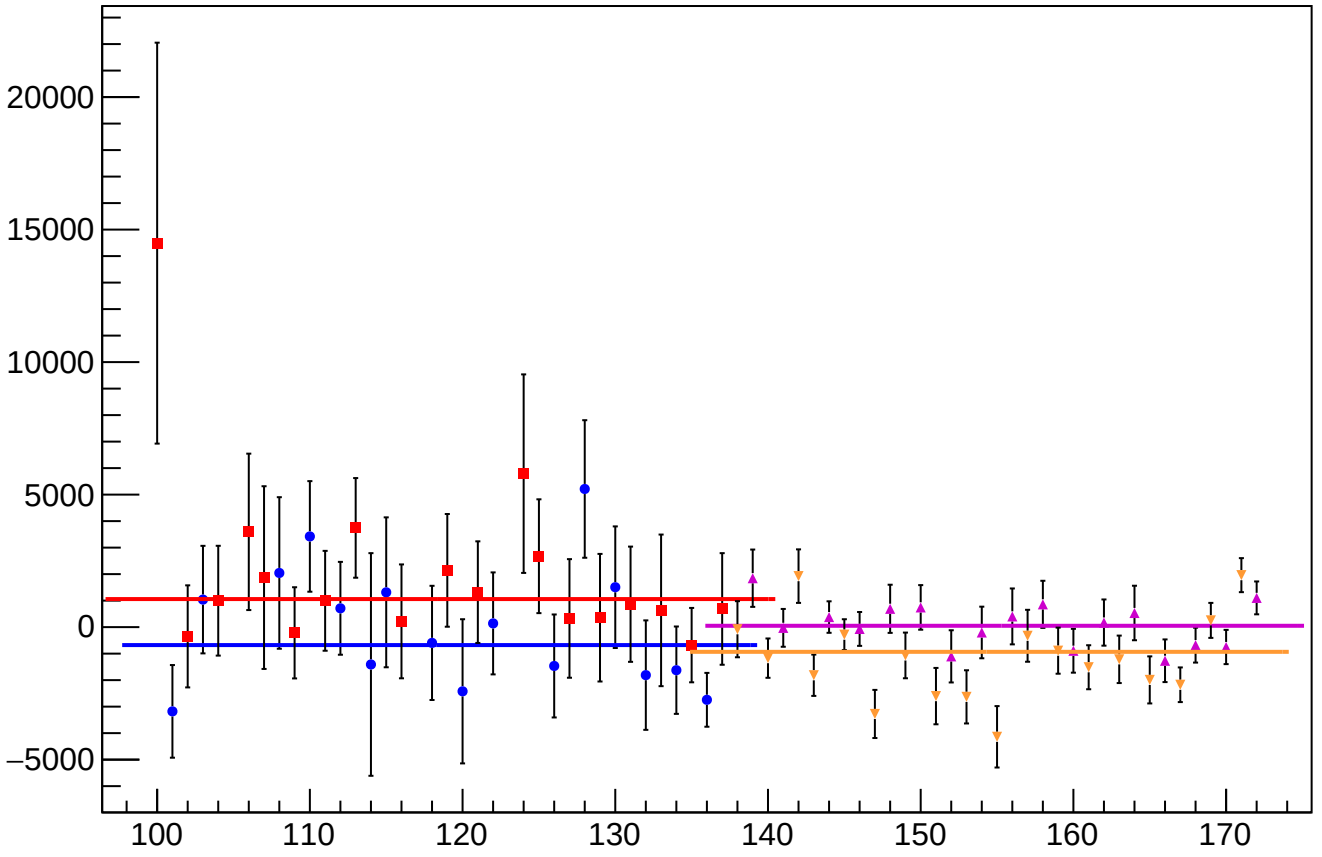
Left: 74.858+/-0.010 χ^2/NDF: 394974.6/34

Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 78.696+/-0.012 χ^2/NDF:964307.8/32

Out: 79.086+/-0.012 χ^2/NDF:1116736.9/36

All: 78.892+/-0.009 χ^2/NDF: 2081549.5/69



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -932.164+/-192.943 χ^2/NDF:60.5/17

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 50.775+/-190.521 χ^2/NDF:16.5/16

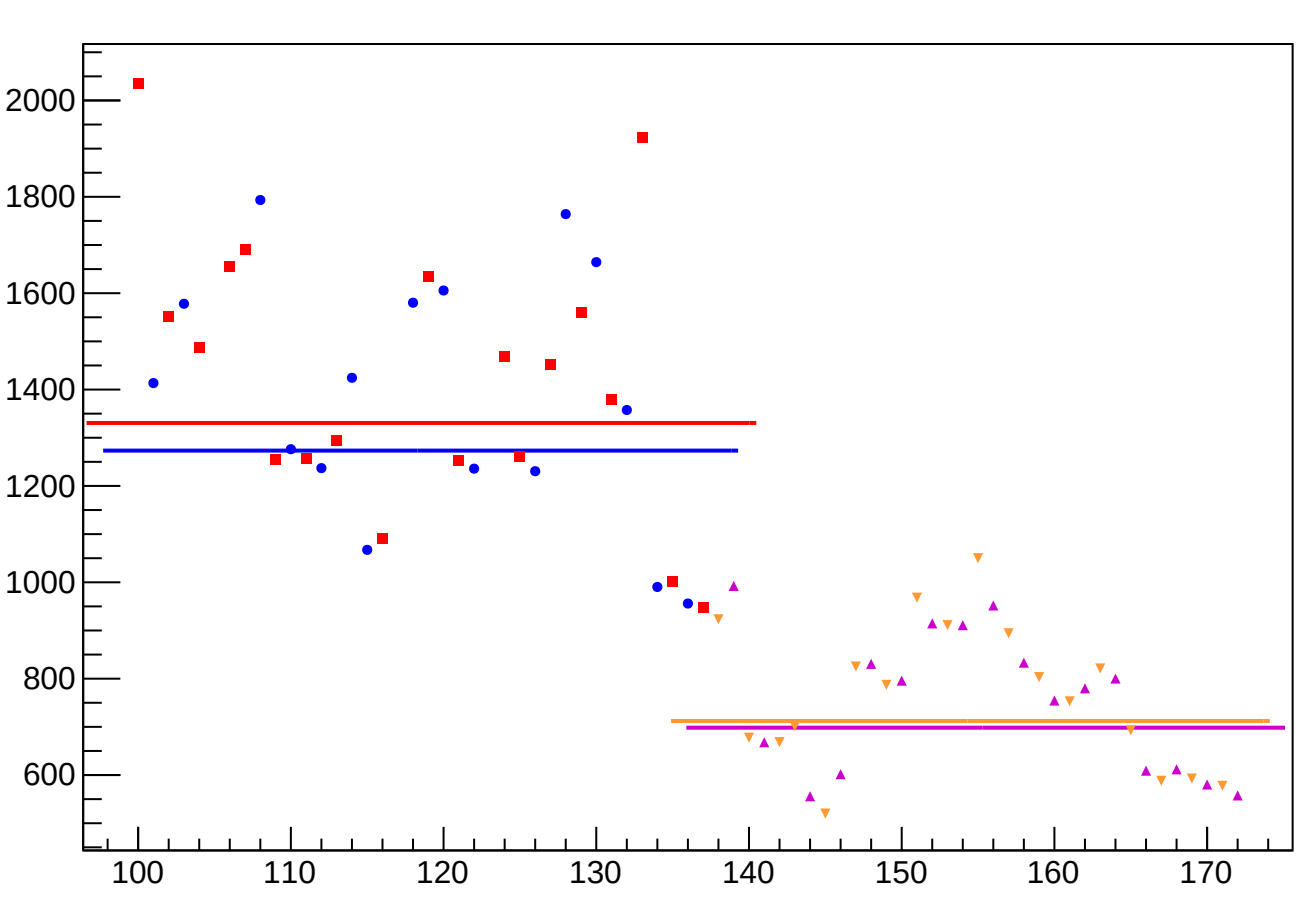
Left: -434.487+/-135.567 χ^2/NDF: 90.2/34

Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: -46.055+/-177.402 χ^2/NDF:38.7/32

Out: -670.815+/-179.834 χ^2/NDF:86.0/36

All: -354.182+/-126.293 χ^2/NDF: 130.8/69



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 712.189+/-0.136 χ^2/NDF:1068262.7/17

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 698.286+/-0.135 χ^2/NDF:1010334.3/16

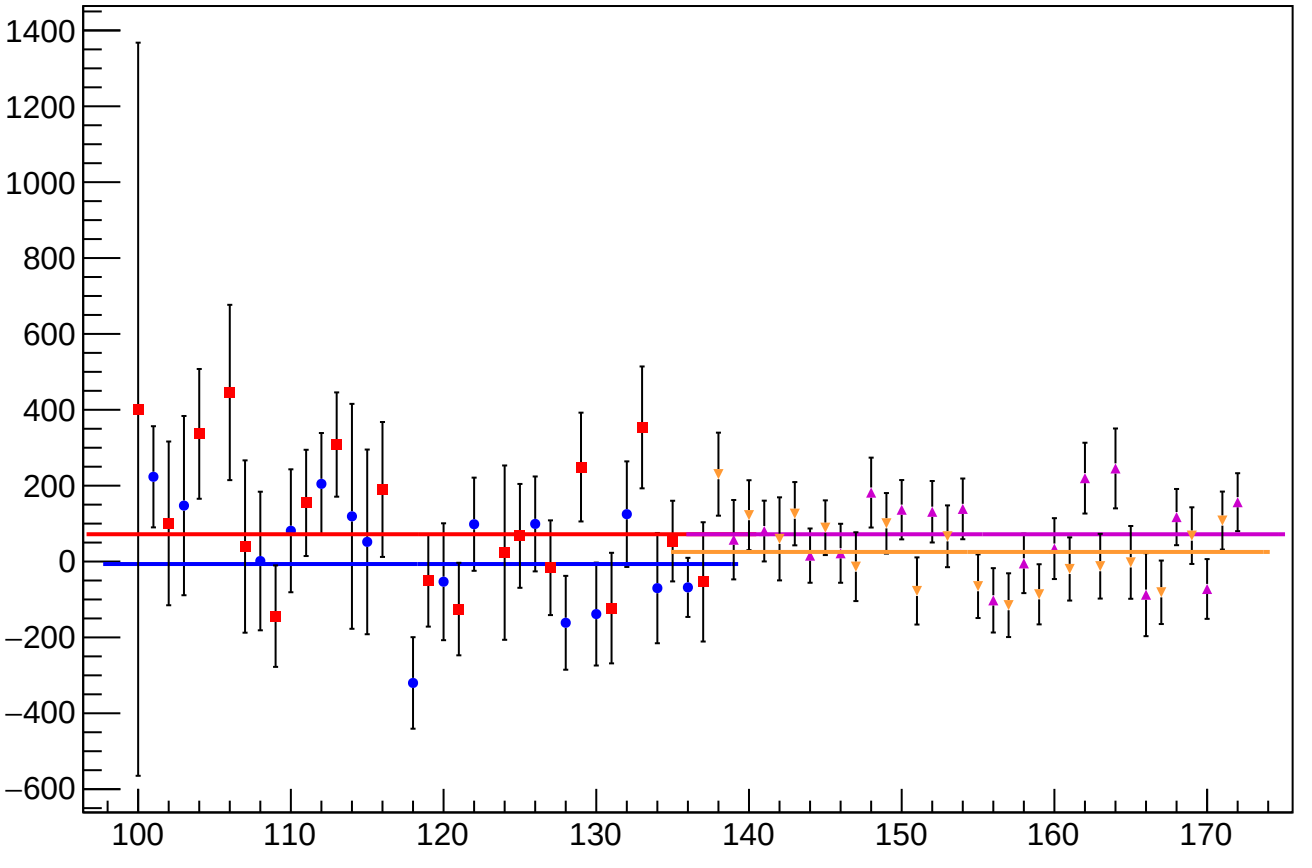
Left: 705.150+/-0.096 χ^2/NDF: 2083855.3/34

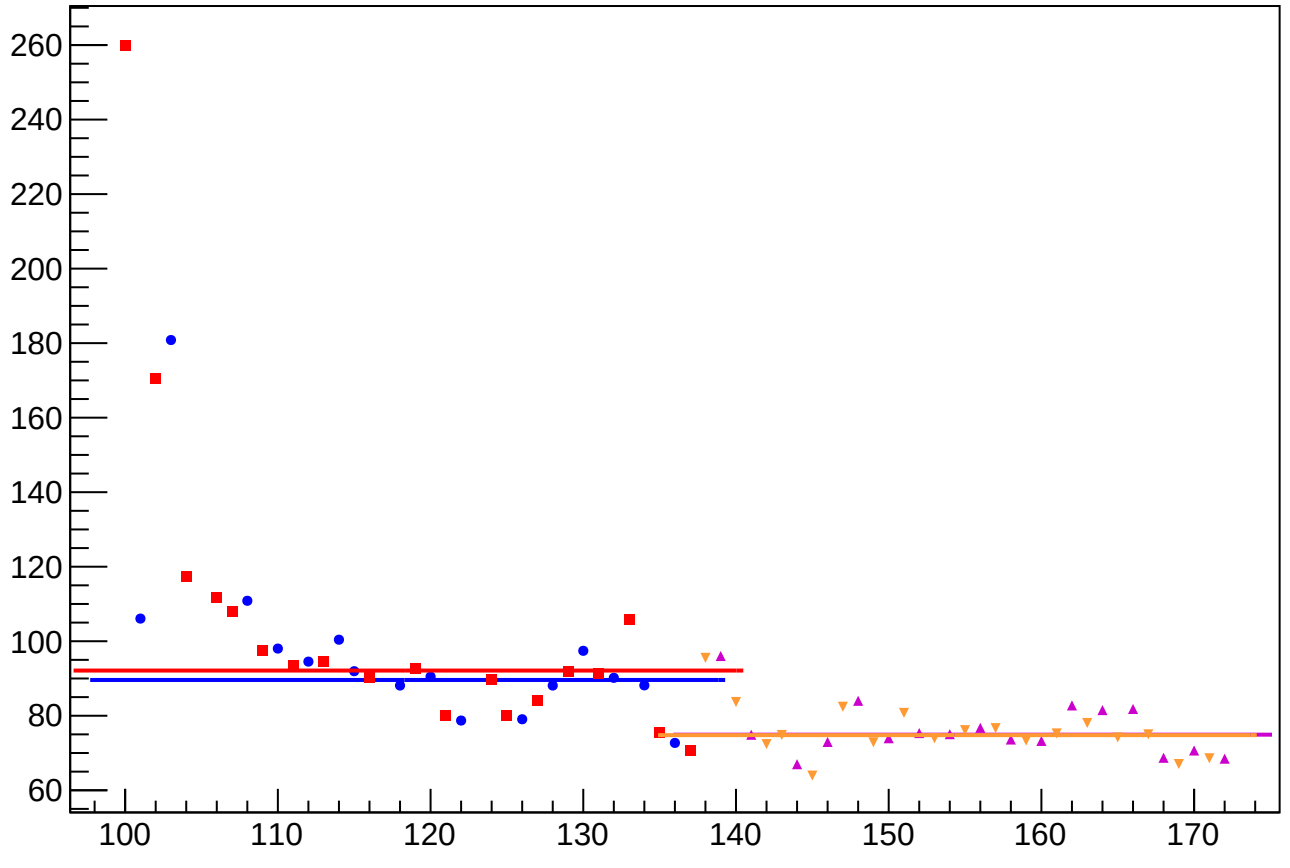
Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 774.754+/-0.125 χ^2/NDF:4030685.6/32

Out: 793.379+/-0.127 χ^2/NDF:4236764.3/36

All: 783.940+/-0.089 χ^2/NDF: 8278321.8/69


cor_asym_sam_2468_avg_mean vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
Right In: -6.568+/-34.286 χ²/NDF: 18.9/15
Left Out: 25.289+/-19.983 χ²/NDF:19.3/17
Right Out: 71.981+/-34.885 χ²/NDF: 22.8/18
Left In: 71.901+/-20.169 χ²/NDF:22.1/16
Left: 48.379+/-14.195 χ²/NDF: 44.1/34
Right: 32.026+/-24.453 χ²/NDF: 44.3/34
In: 51.728+/-17.384 χ²/NDF:44.9/32
Out: 36.825+/-17.340 χ²/NDF:43.4/36
All: 44.257+/-12.277 χ²/NDF: 88.7/69



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 74.796+/-0.014 χ^2/NDF:201470.5/17

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: 74.858+/-0.010 χ^2/NDF: 394974.6/34

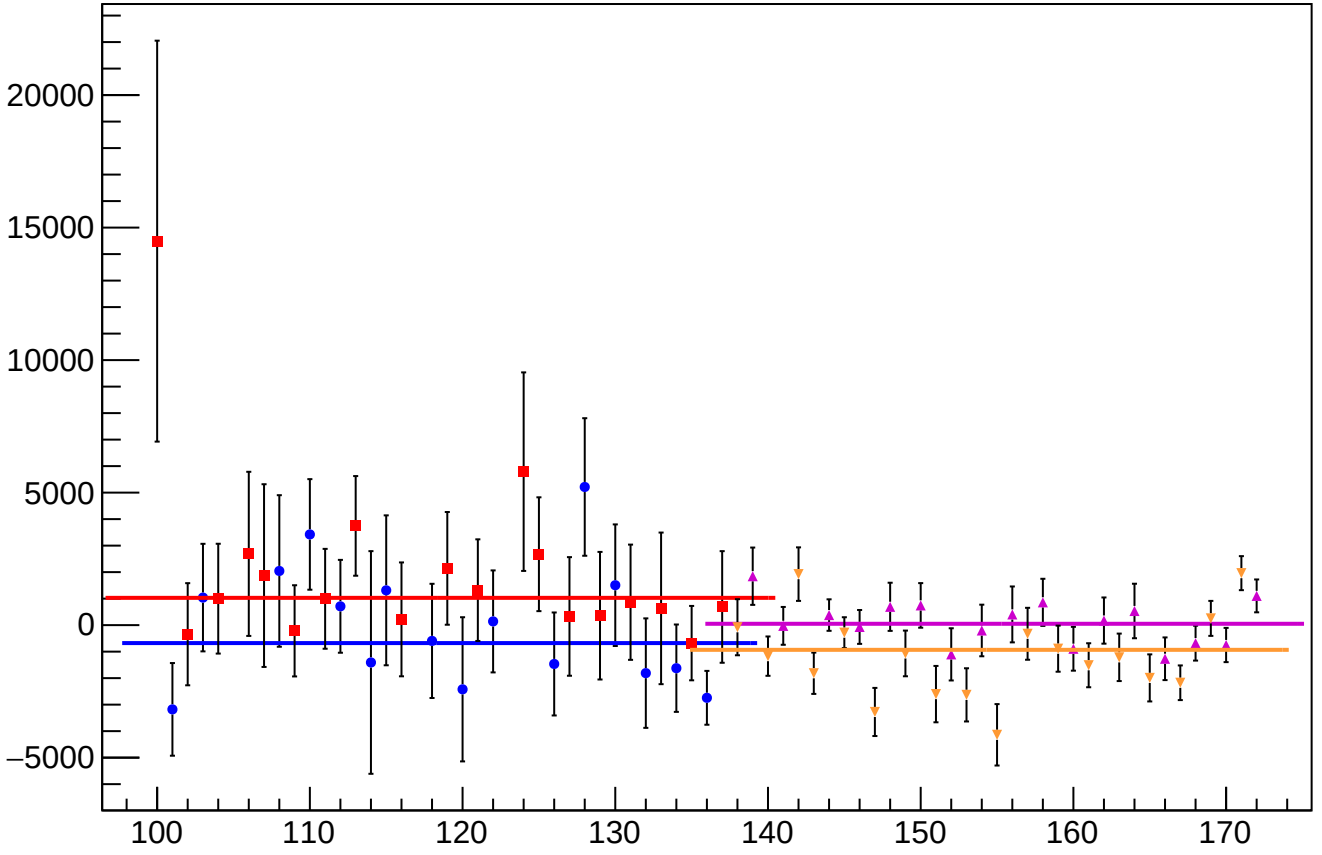
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 78.696+/-0.012 χ^2/NDF:964311.3/32

Out: 79.078+/-0.012 χ^2/NDF:1113574.9/36

All: 78.888+/-0.009 χ^2/NDF: 2078370.0/69

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: -932.158+/-192.943 χ^2/NDF:60.5/17

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 50.777+/-190.521 χ^2/NDF:16.5/16

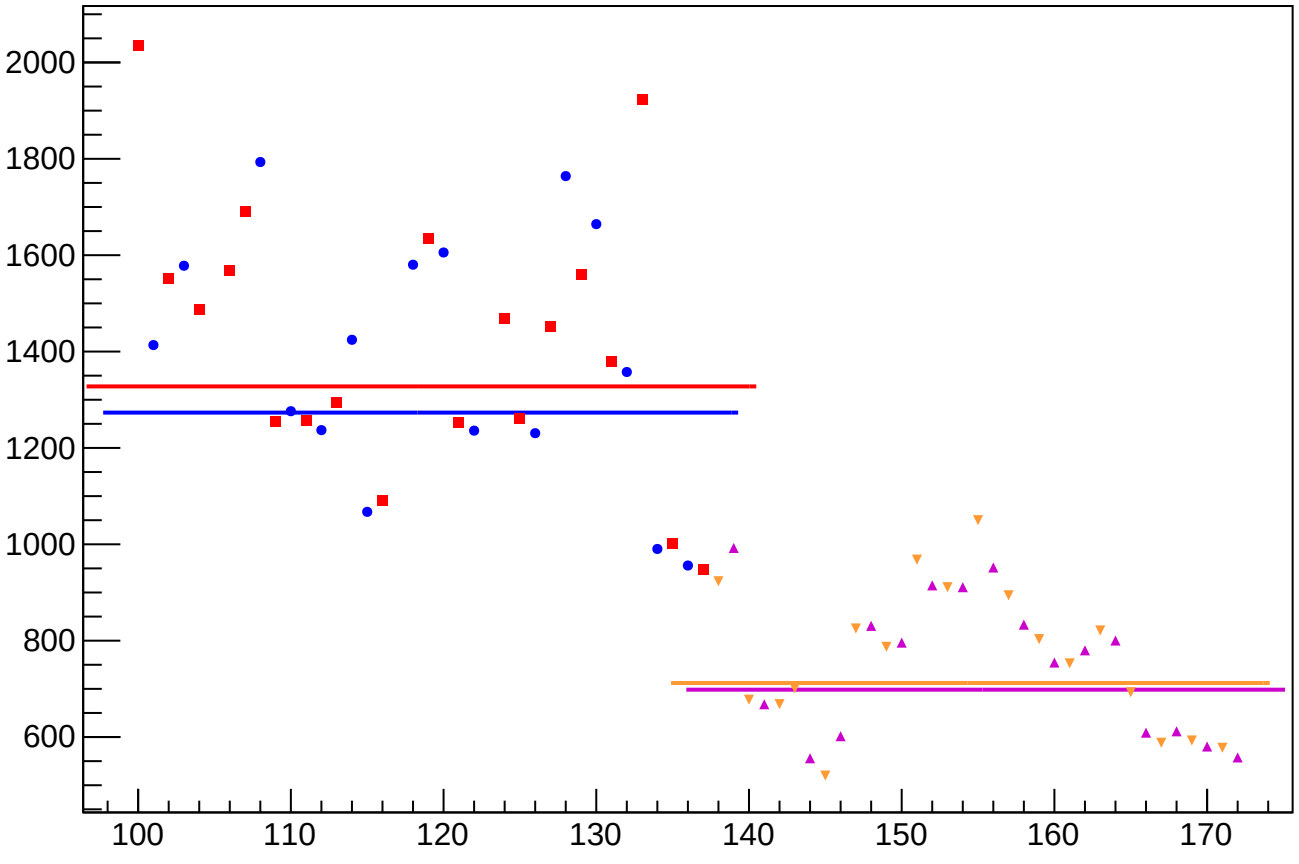
Left: -434.484+/-135.567 χ^2/NDF: 90.2/34

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -46.048+/-177.402 χ^2/NDF:38.7/32

Out: -675.266+/-179.865 χ^2/NDF:85.0/36

All: -356.319+/-126.304 χ^2/NDF: 130.0/69



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 712.189+/-0.136 χ^2/NDF:1068266.7/17

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 698.286+/-0.135 χ^2/NDF:1010332.3/16

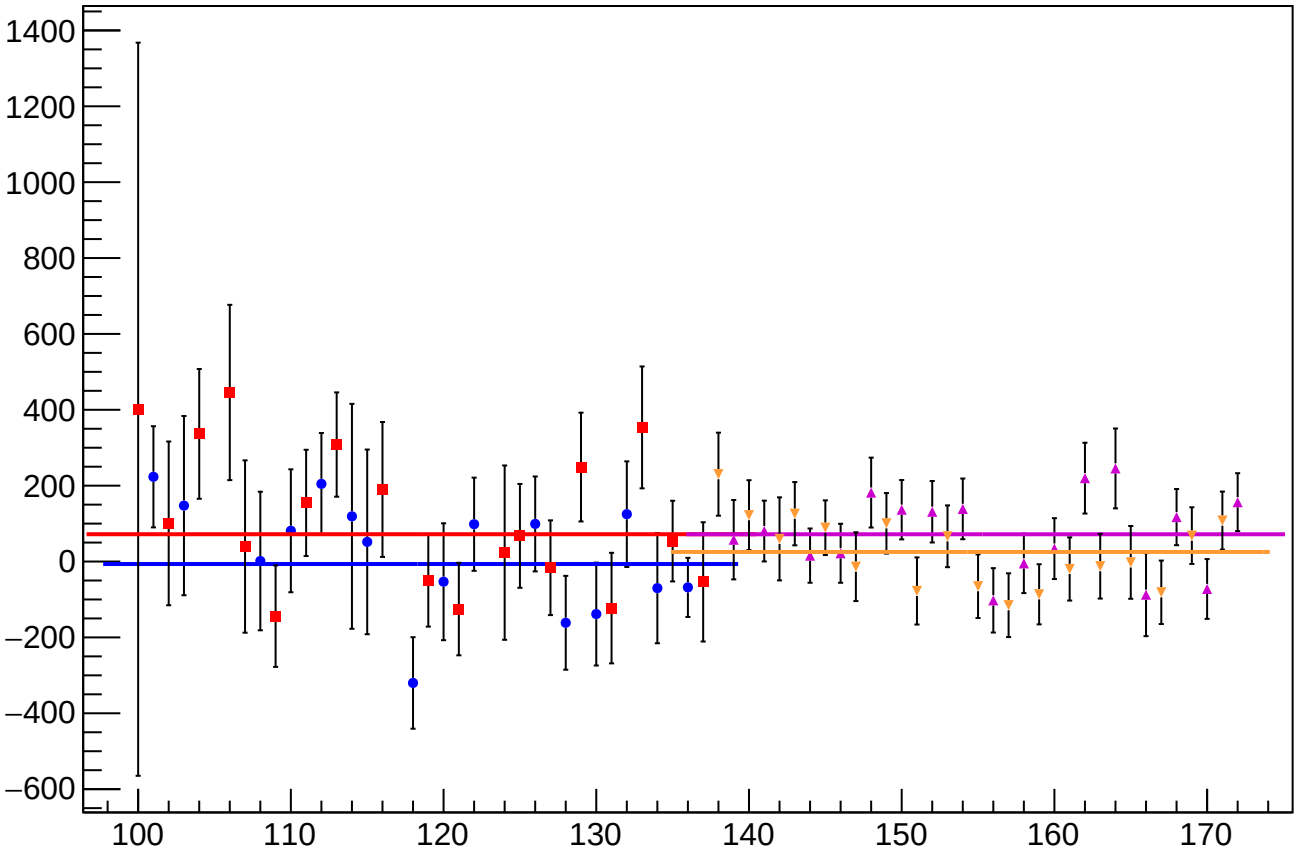
Left: 705.150+/-0.096 χ^2/NDF: 2083856.8/34

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 774.754+/-0.125 χ^2/NDF:4030721.7/32

Out: 792.793+/-0.127 χ^2/NDF:4192014.1/36

All: 783.649+/-0.089 χ^2/NDF: 8232932.9/69



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 25.289+/-19.983 χ^2/NDF:19.3/17

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 71.901+/-20.169 χ^2/NDF:22.1/16

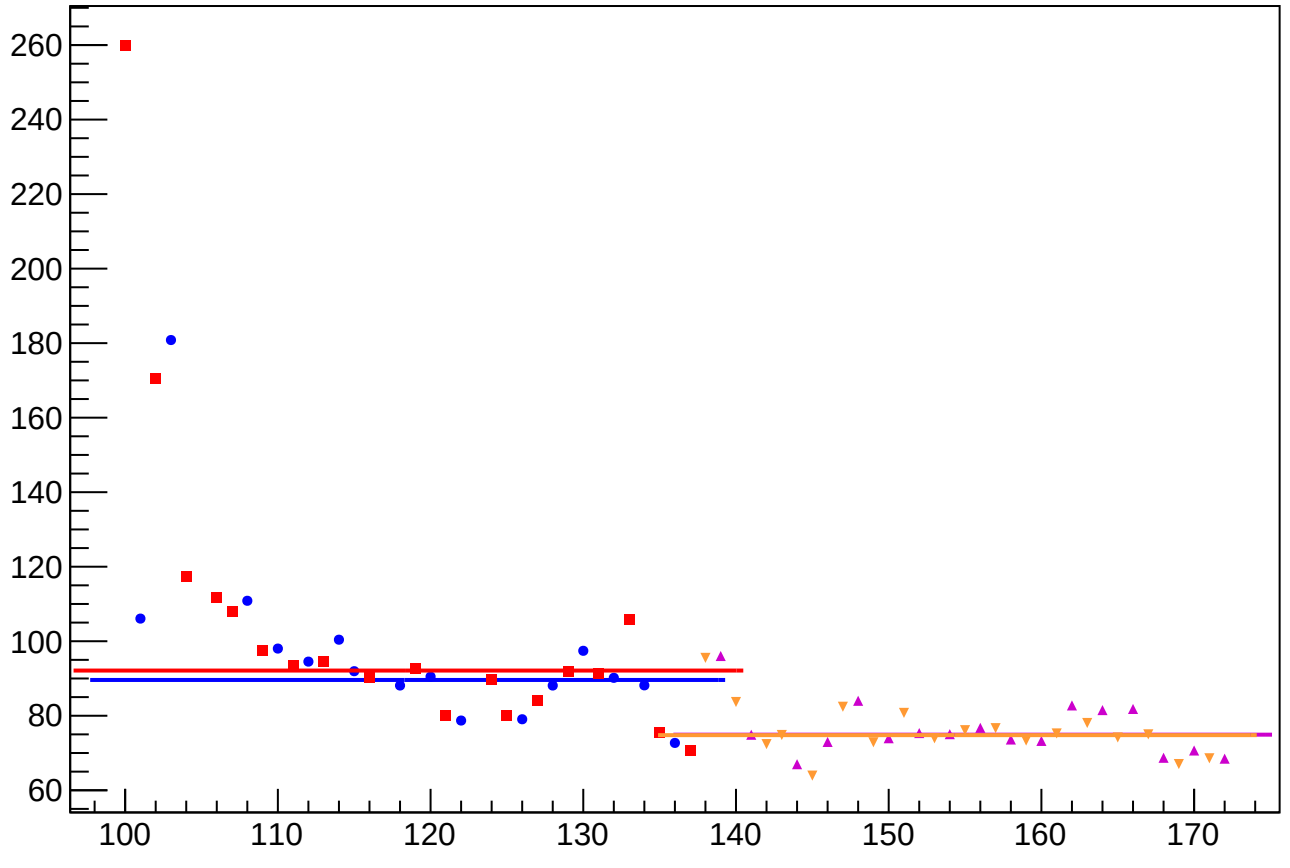
Left: 48.379+/-14.195 χ^2/NDF: 44.1/34

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 51.728+/-17.384 χ^2/NDF:44.9/32

Out: 36.825+/-17.340 χ^2/NDF:43.4/36

All: 44.257+/-12.277 χ^2/NDF: 88.7/69



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 74.796+/-0.014 χ^2/NDF:201470.5/17

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: 74.858+/-0.010 χ^2/NDF: 394974.6/34

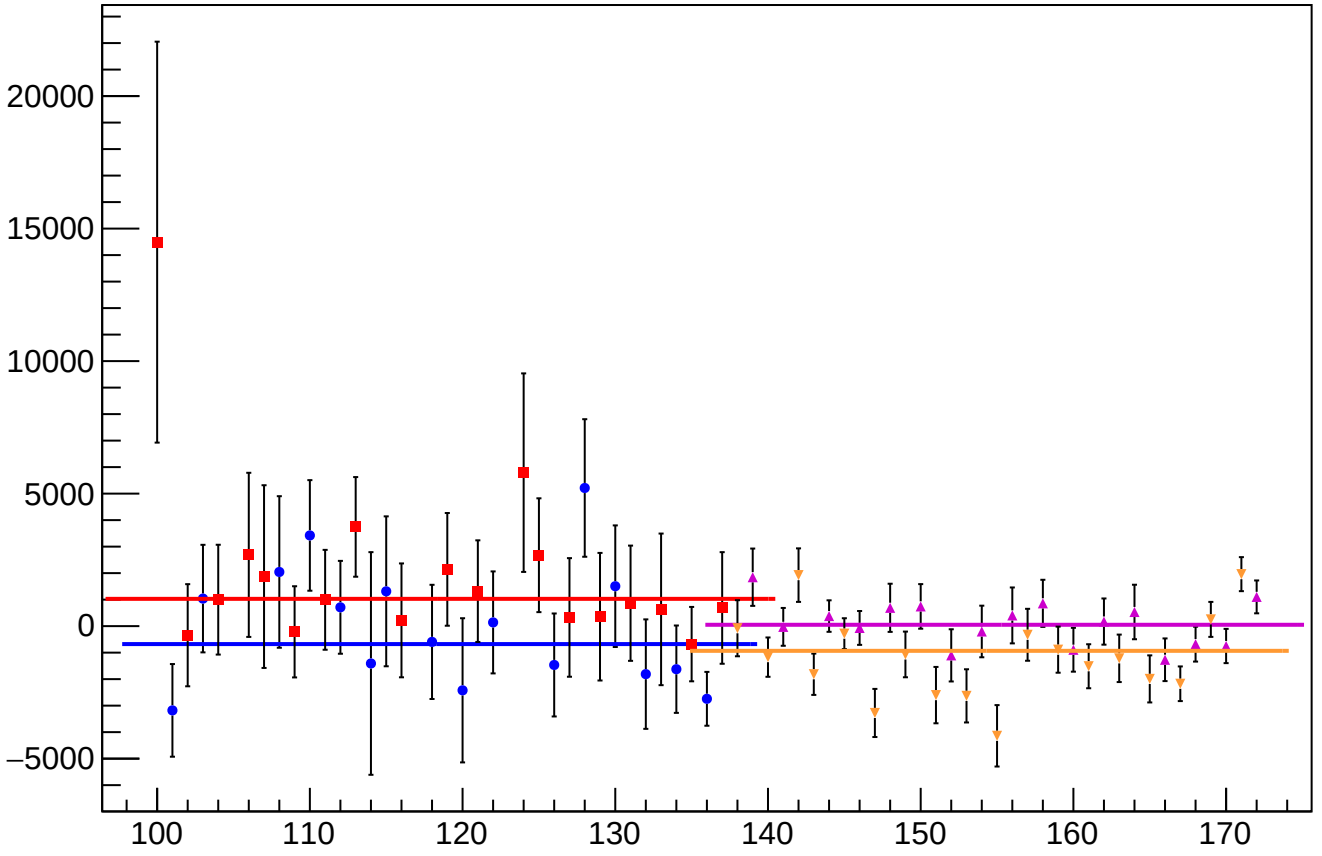
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 78.696+/-0.012 χ^2/NDF:964311.3/32

Out: 79.078+/-0.012 χ^2/NDF:1113574.9/36

All: 78.888+/-0.009 χ^2/NDF: 2078370.0/69

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: -932.158+/-192.943 χ^2/NDF:60.5/17

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 50.777+/-190.521 χ^2/NDF:16.5/16

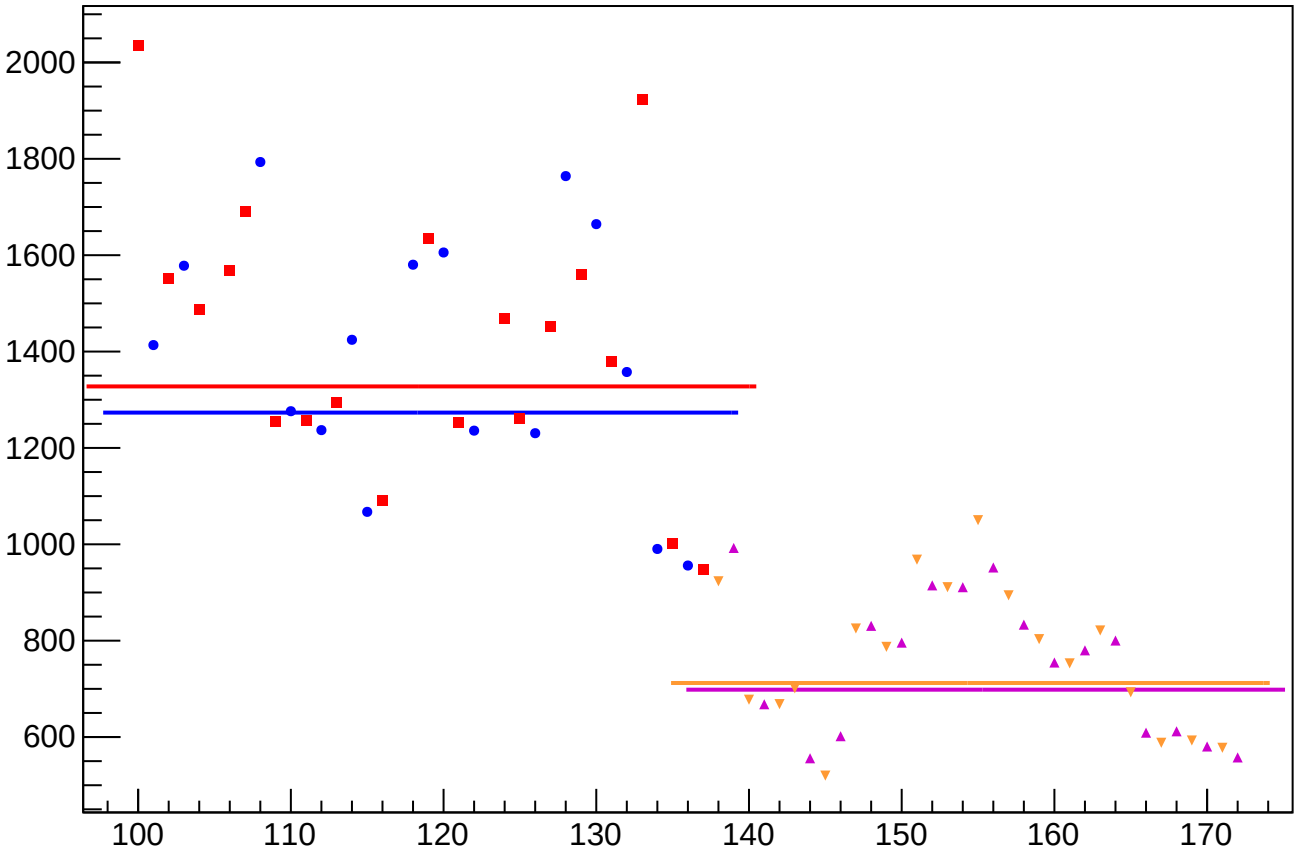
Left: -434.484+/-135.567 χ^2/NDF: 90.2/34

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -46.048+/-177.402 χ^2/NDF:38.7/32

Out: -675.266+/-179.865 χ^2/NDF:85.0/36

All: -356.319+/-126.304 χ^2/NDF: 130.0/69



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 712.189+/-0.136 χ^2/NDF:1068266.7/17

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 698.286+/-0.135 χ^2/NDF:1010332.3/16

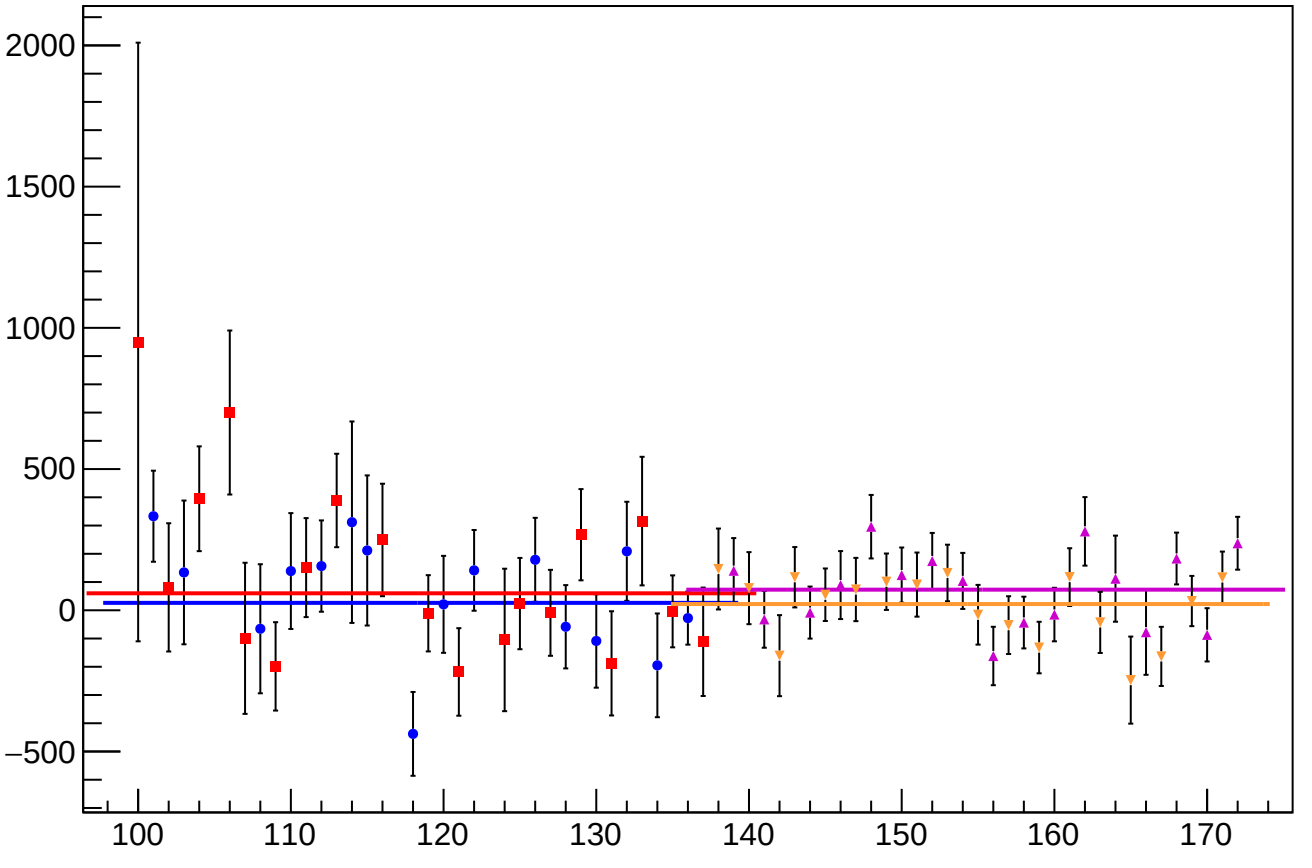
Left: 705.150+/-0.096 χ^2/NDF: 2083856.8/34

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 774.754+/-0.125 χ^2/NDF:4030721.7/32

Out: 792.793+/-0.127 χ^2/NDF:4192014.1/36

All: 783.649+/-0.089 χ^2/NDF: 8232932.9/69



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 22.059+/-25.122 χ^2/NDF:17.9/17

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: 47.426+/-17.798 χ^2/NDF: 46.5/34

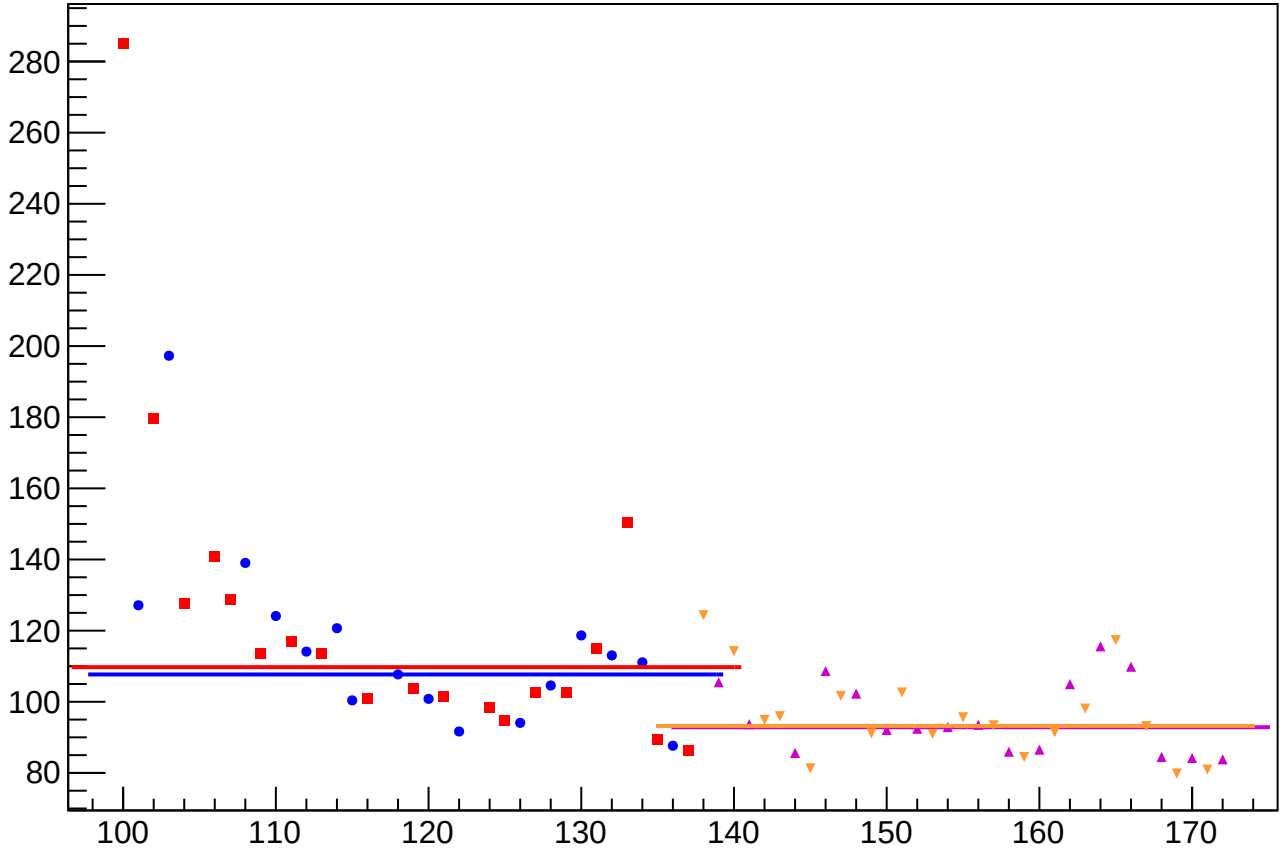
Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 60.260+/-21.511 χ^2/NDF:48.9/32

Out: 32.255+/-21.495 χ^2/NDF:45.5/36

All: 46.247+/-15.205 χ^2/NDF: 95.3/69

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 93.208+/-0.018 χ^2/NDF:364532.2/17

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 92.845+/-0.018 χ^2/NDF:247248.3/16

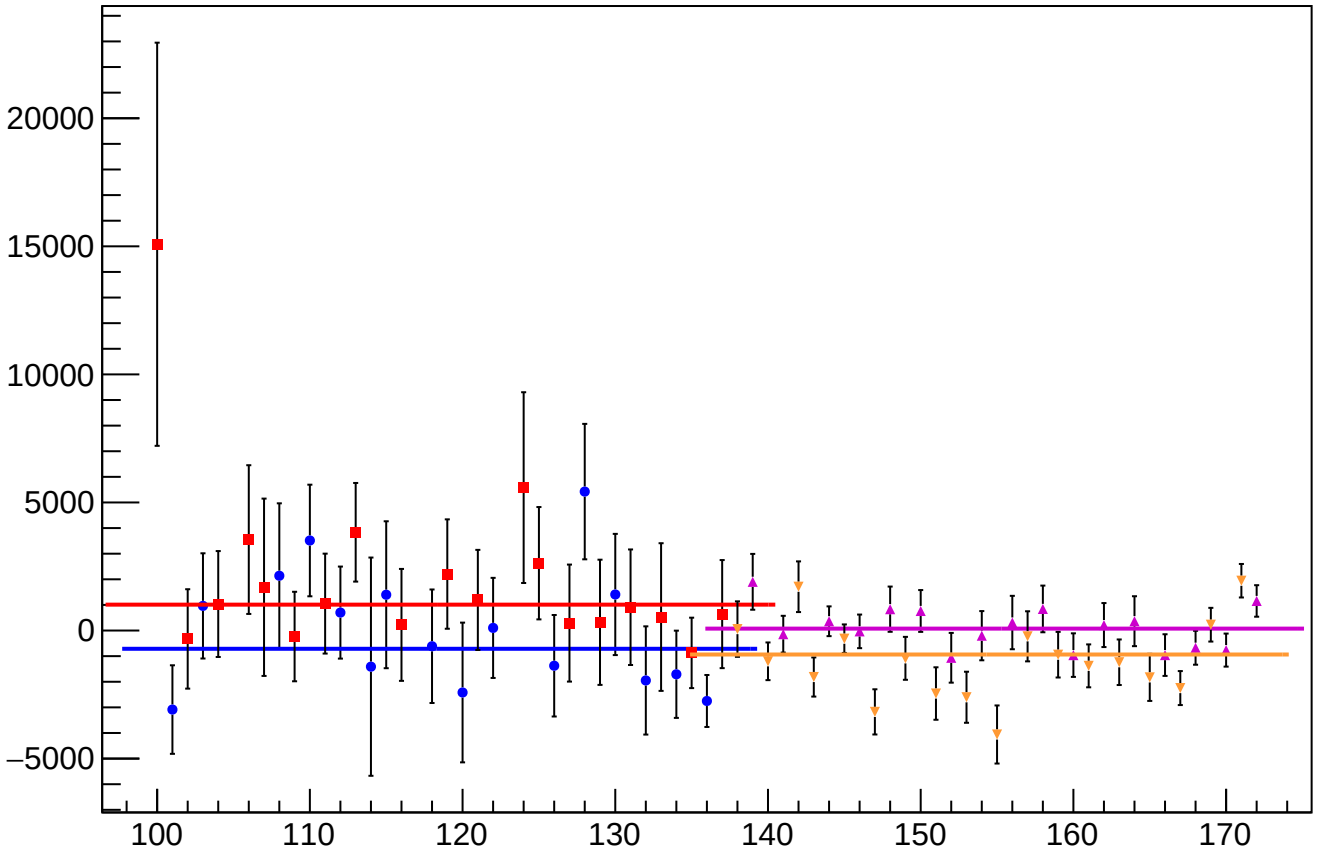
Left: 93.027+/-0.013 χ^2/NDF: 611988.4/34

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 96.885+/-0.015 χ^2/NDF:918873.6/32

Out: 97.637+/-0.015 χ^2/NDF:1088345.1/36

All: 97.261+/-0.011 χ^2/NDF: 2008440.5/69



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -935.968+/-191.728 χ^2/NDF:58.0/17

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 74.658+/-189.827 χ^2/NDF:16.1/16

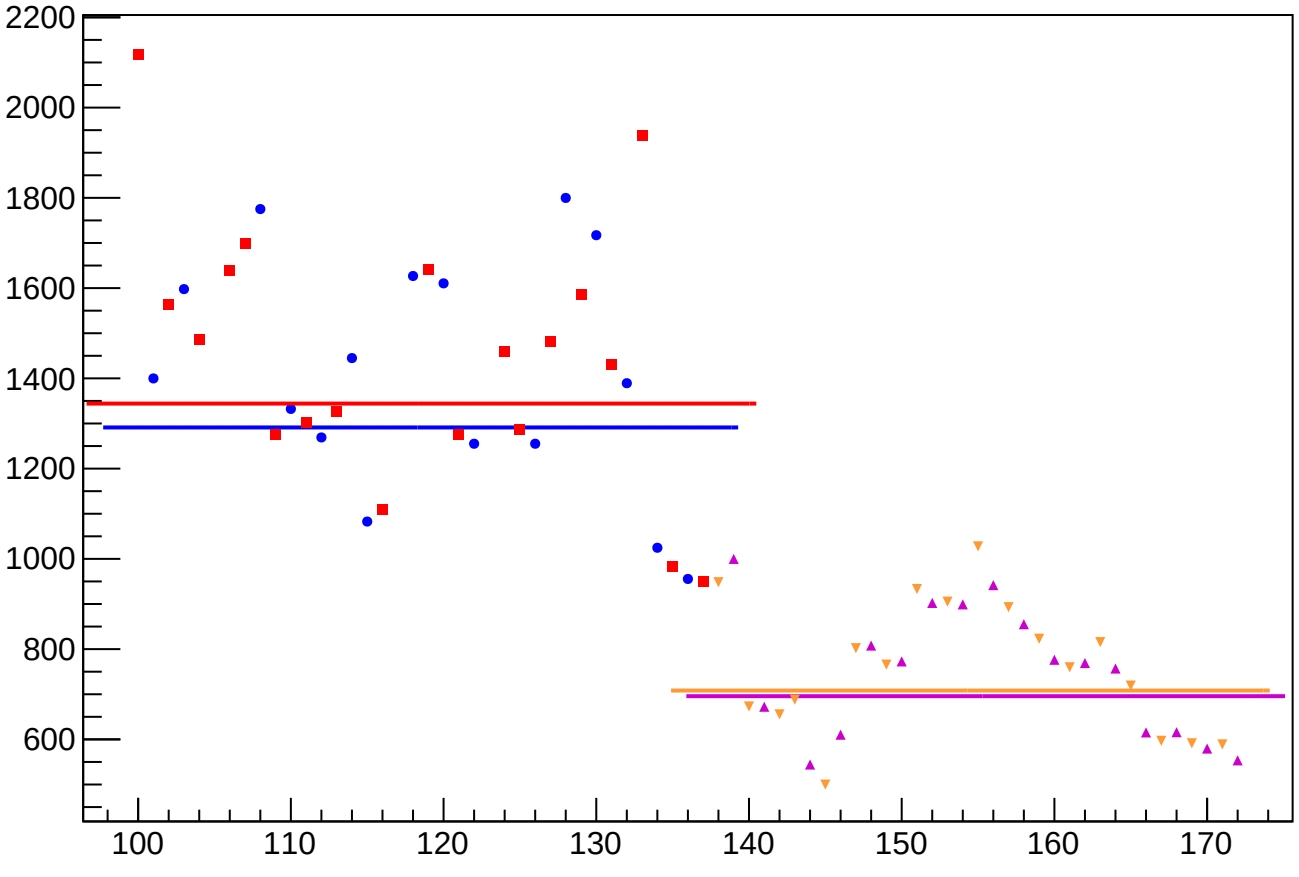
Left: -425.620+/-134.895 χ^2/NDF: 88.2/34

Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: -26.936+/-177.160 χ^2/NDF:38.4/32

Out: -687.635+/-179.081 χ^2/NDF:82.9/36

All: -353.724+/-125.945 χ^2/NDF: 128.3/69



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 708.255+/-0.136 χ^2/NDF:1083455.1/17

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 695.729+/-0.134 χ^2/NDF:991441.5/16

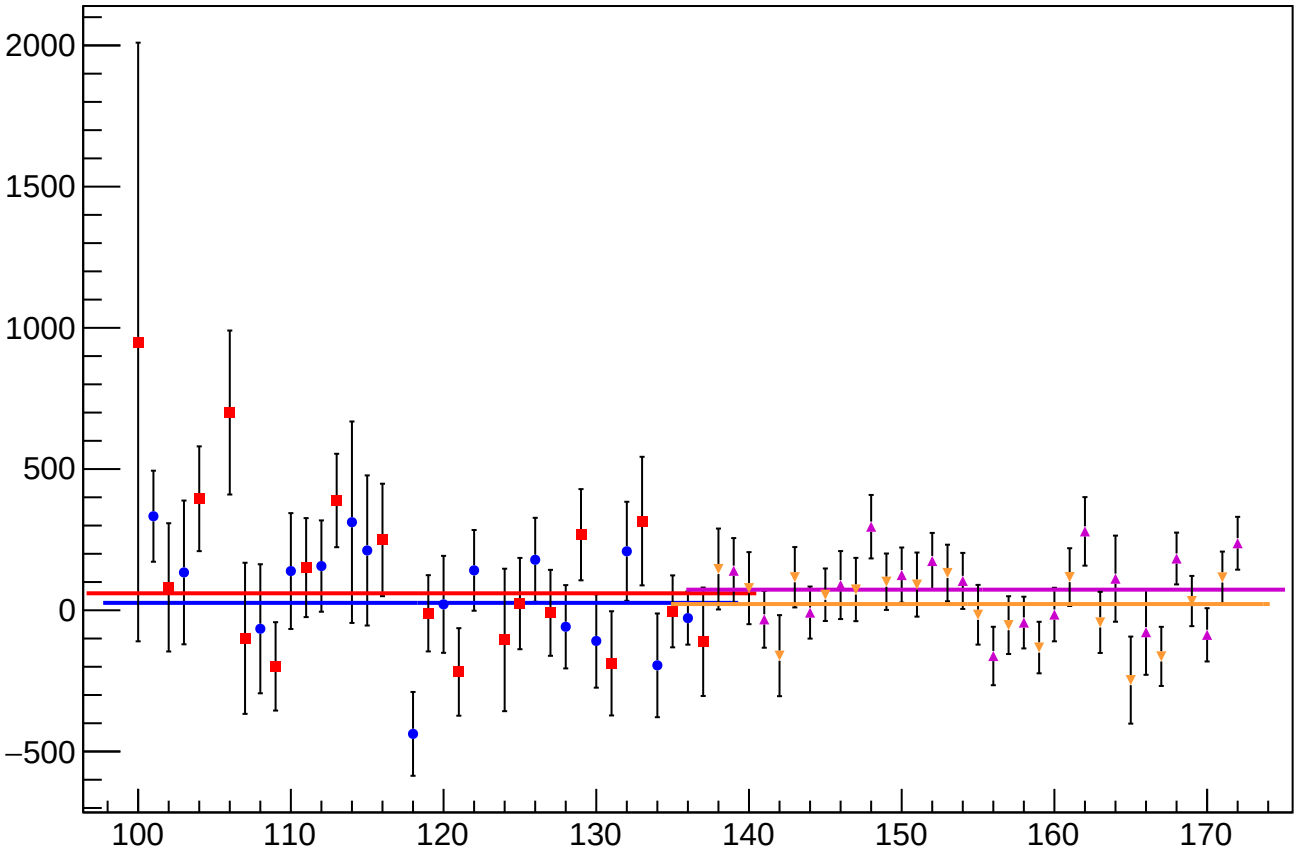
Left: 701.930+/-0.095 χ^2/NDF: 2079208.0/34

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 772.548+/-0.125 χ^2/NDF:4141344.9/32

Out: 789.377+/-0.127 χ^2/NDF:4380886.4/36

All: 780.872+/-0.089 χ^2/NDF: 8531157.7/69



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 22.059+/-25.122 χ^2/NDF:17.9/17

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 72.988+/-25.218 χ^2/NDF:26.6/16

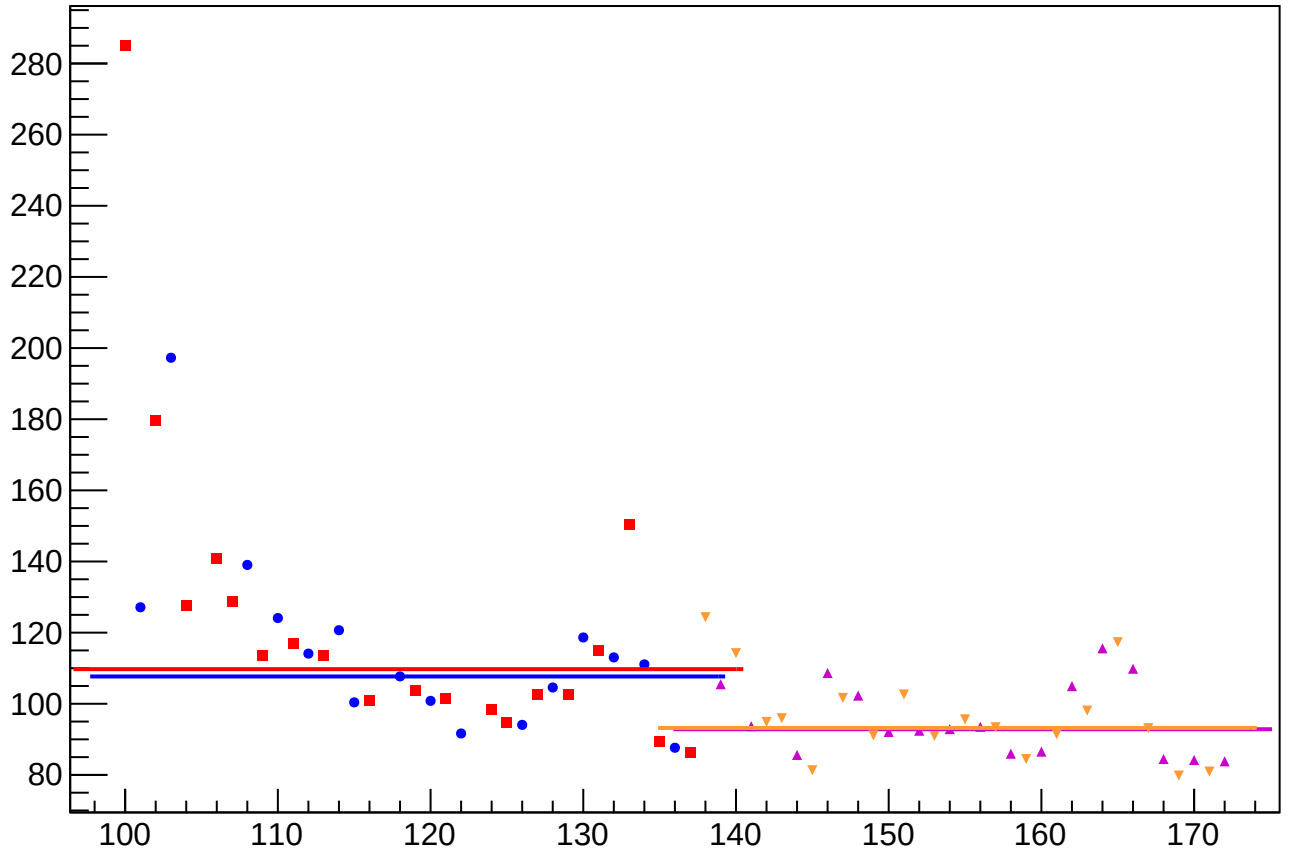
Left: 47.426+/-17.798 χ^2/NDF: 46.5/34

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 60.259+/-21.511 χ^2/NDF:48.9/32

Out: 32.255+/-21.495 χ^2/NDF:45.5/36

All: 46.246+/-15.205 χ^2/NDF: 95.2/69



Right In: 107.679+/-0.029 χ^2/NDF: 483112.2/15

Left Out: 93.208+/-0.018 χ^2/NDF:364524.3/17

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: 93.027+/-0.013 χ^2/NDF: 611983.4/34

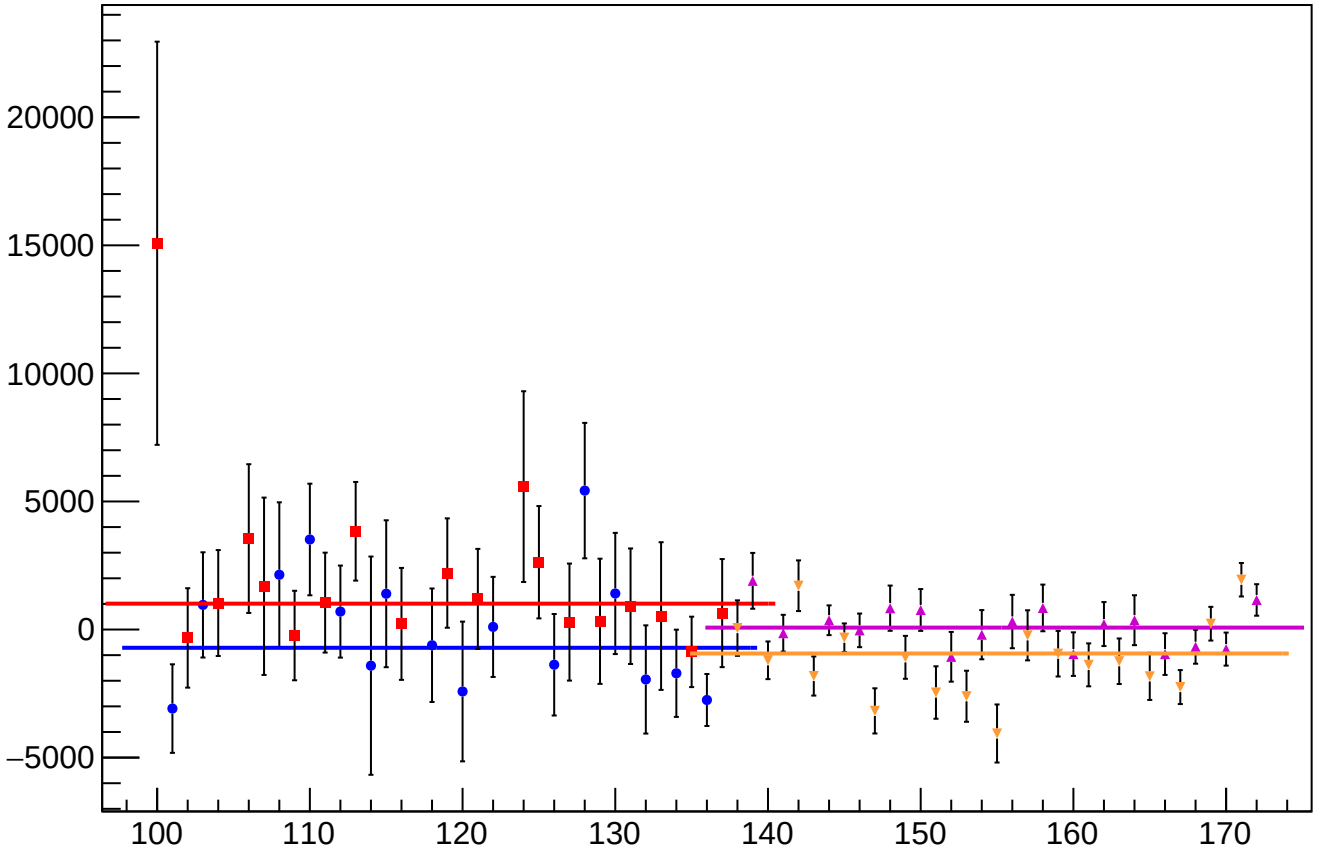
Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 96.885+/-0.015 χ^2/NDF:918837.7/32

Out: 97.637+/-0.015 χ^2/NDF:1088308.9/36

All: 97.261+/-0.011 χ^2/NDF: 2008368.5/69

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: -935.966+/-191.727 χ^2/NDF:58.0/17

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: -425.620+/-134.895 χ^2/NDF: 88.2/34

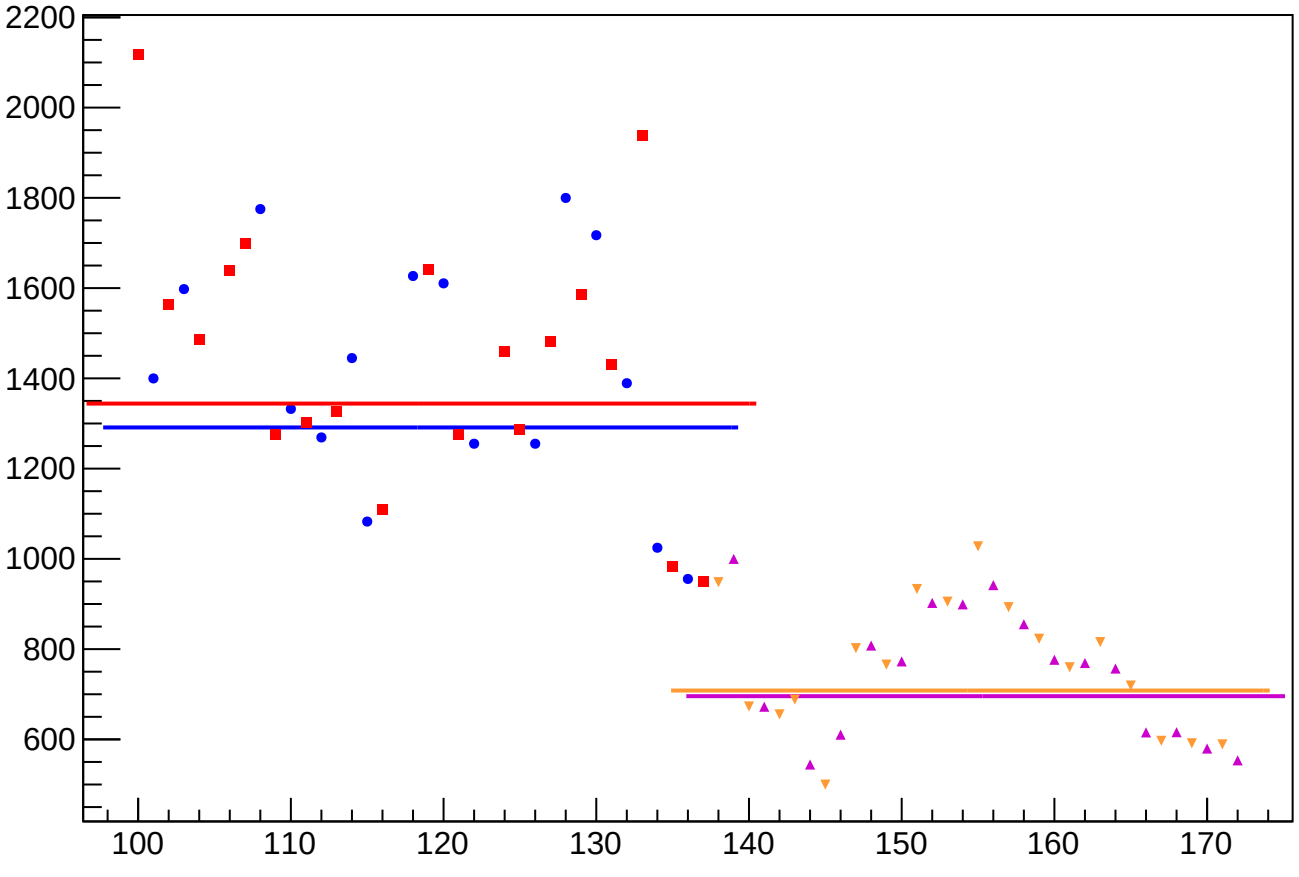
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: -26.938+/-177.160 χ^2/NDF:38.4/32

Out: -687.633+/-179.080 χ^2/NDF:82.9/36

All: -353.724+/-125.945 χ^2/NDF: 128.3/69

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: 708.254+/-0.136 χ^2/NDF:1083467.1/17

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: 701.928+/-0.095 χ^2/NDF: 2079221.5/34

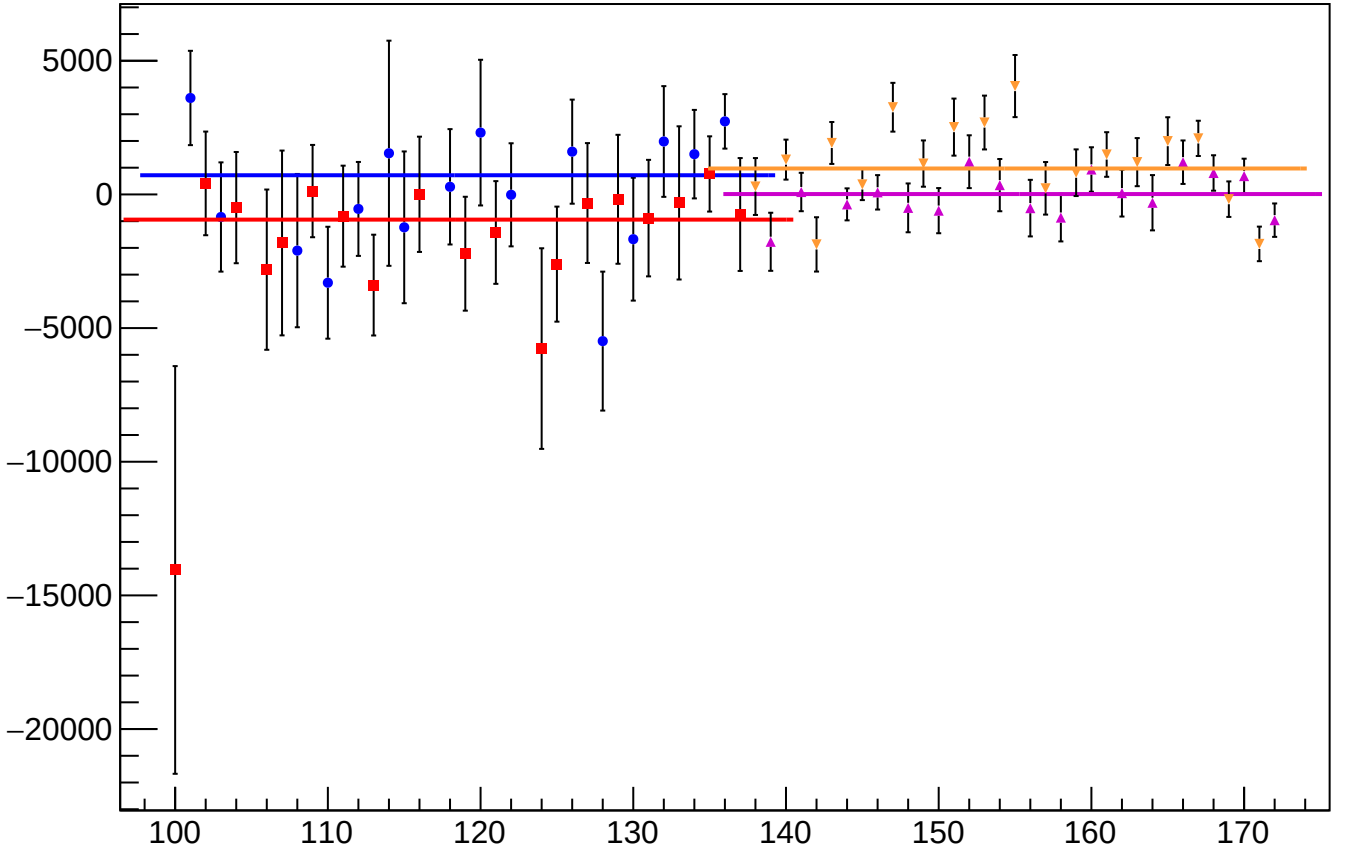
Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 772.547+/-0.125 χ^2/NDF:4141342.2/32

Out: 789.375+/-0.127 χ^2/NDF:4380898.7/36

All: 780.870+/-0.089 χ^2/NDF: 8531166.8/69

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 970.251+/-194.103 χ^2/NDF:56.7/17

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: 486.170+/-136.403 χ^2/NDF: 84.2/34

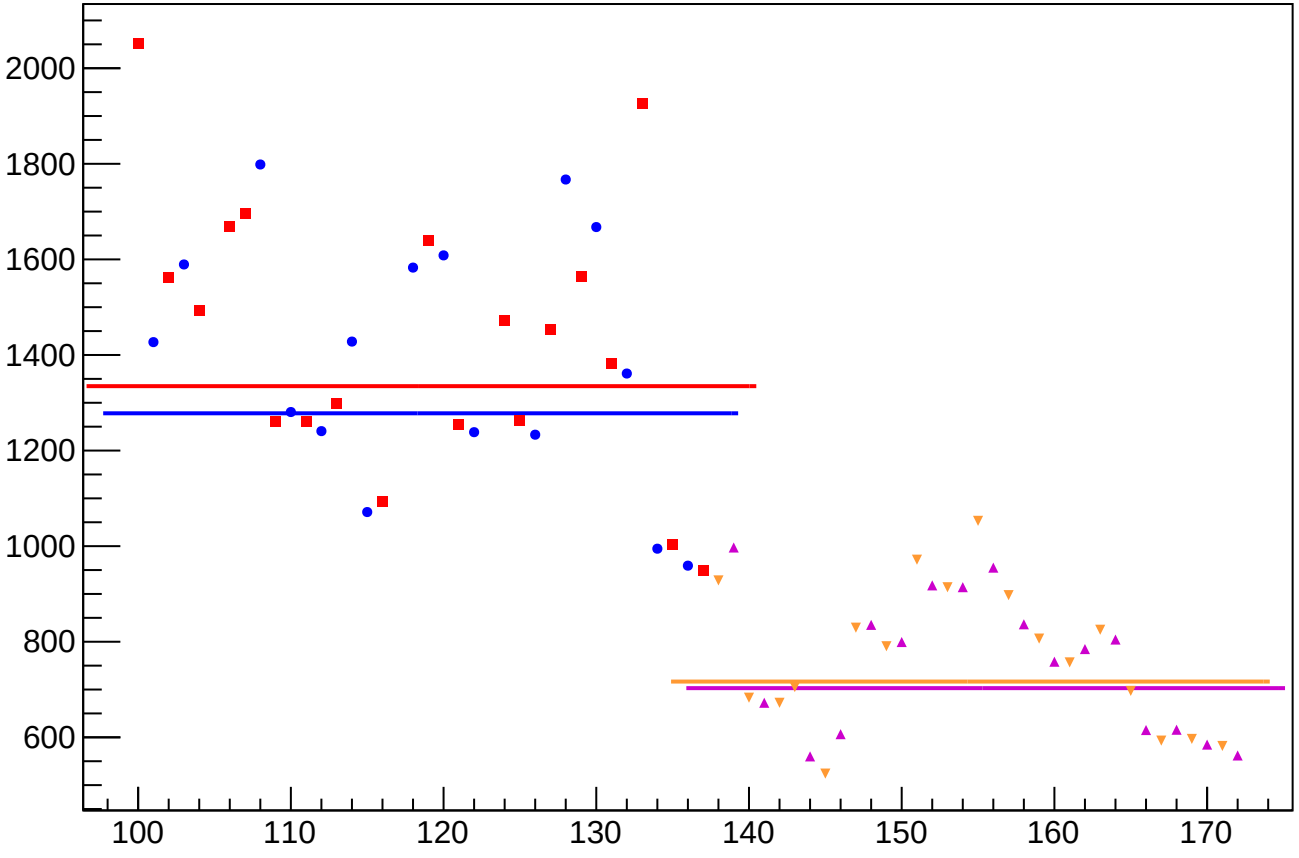
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: 107.902+/-178.458 χ^2/NDF:38.0/32

Out: 718.064+/-180.854 χ^2/NDF:80.1/36

All: 408.914+/-127.027 χ^2/NDF: 123.8/69

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 716.686+/-0.137 χ^2/NDF:1052428.3/17

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 702.909+/-0.136 χ^2/NDF:994521.5/16

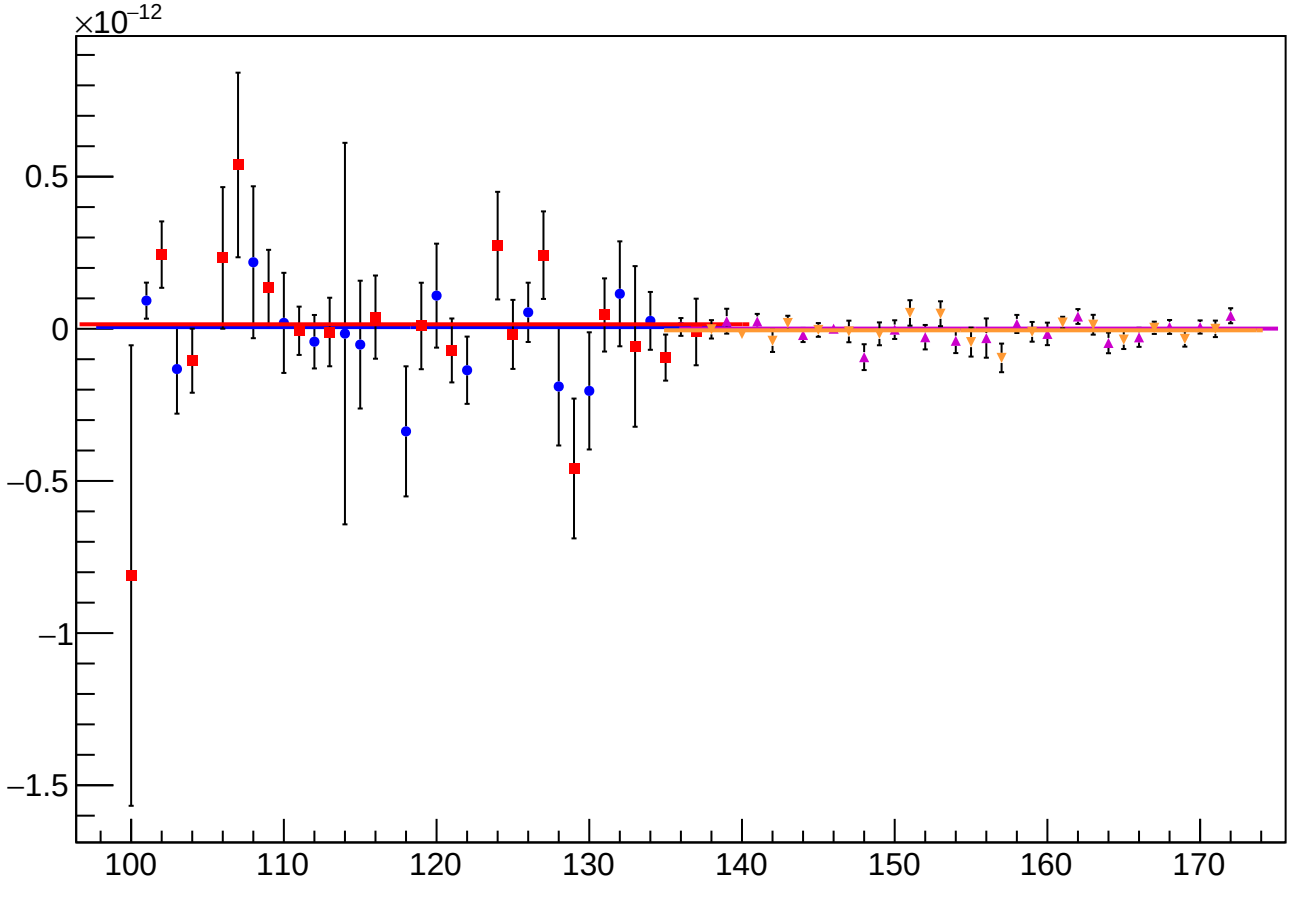
Left: 709.713+/-0.096 χ^2/NDF: 2052049.5/34

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 779.738+/-0.126 χ^2/NDF:3996136.8/32

Out: 798.186+/-0.128 χ^2/NDF:4198405.3/36

All: 788.839+/-0.090 χ^2/NDF: 8205085.4/69



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: 0.000+/-0.000 χ^2/NDF:17.6/16

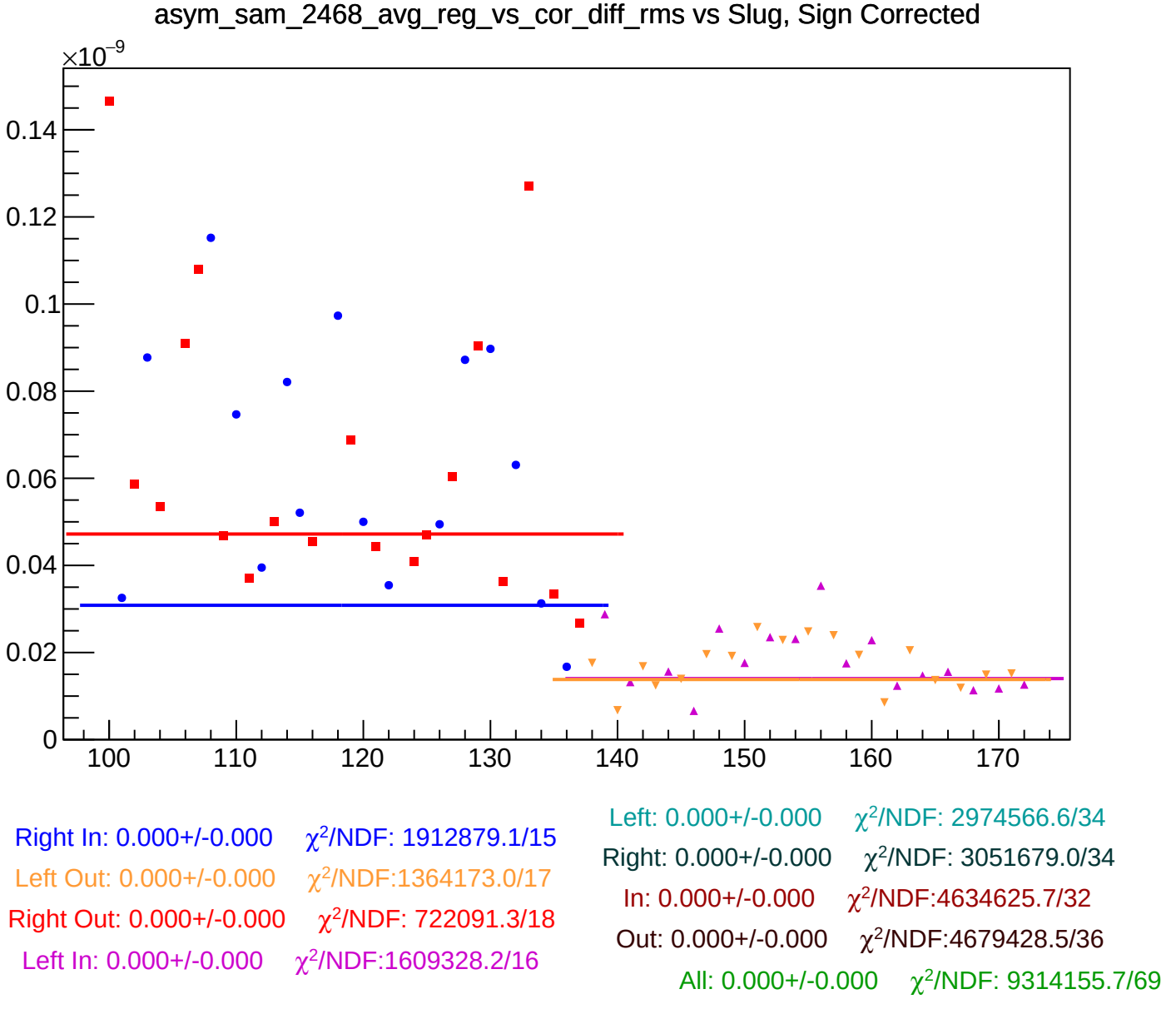
Left: -0.000+/-0.000 χ^2/NDF: 33.2/34

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

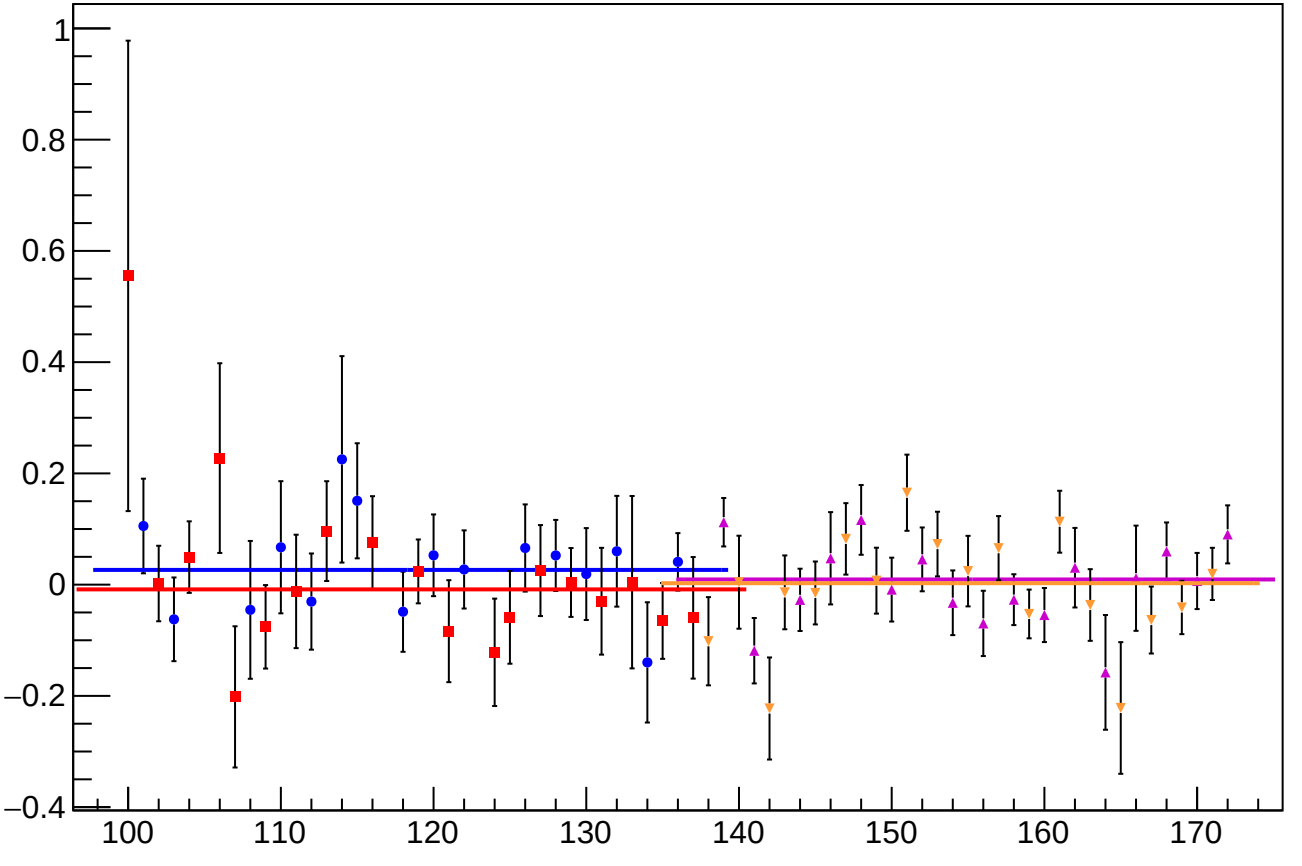
In: 0.000+/-0.000 χ^2/NDF:29.3/32

Out: -0.000+/-0.000 χ^2/NDF:39.4/36

All: -0.000+/-0.000 χ^2/NDF: 69.0/69


asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1912879.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1364173.0/17
Right Out: 0.000+/-0.000 χ²/NDF: 722091.3/18
Left In: 0.000+/-0.000 χ²/NDF:1609328.2/16
Left: 0.000+/-0.000 χ²/NDF: 2974566.6/34
Right: 0.000+/-0.000 χ²/NDF: 3051679.0/34
In: 0.000+/-0.000 χ²/NDF:4634625.7/32
Out: 0.000+/-0.000 χ²/NDF:4679428.5/36
All: 0.000+/-0.000 χ²/NDF: 9314155.7/69

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.003+/-0.014 χ^2/NDF:29.5/17

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: 54.8/34

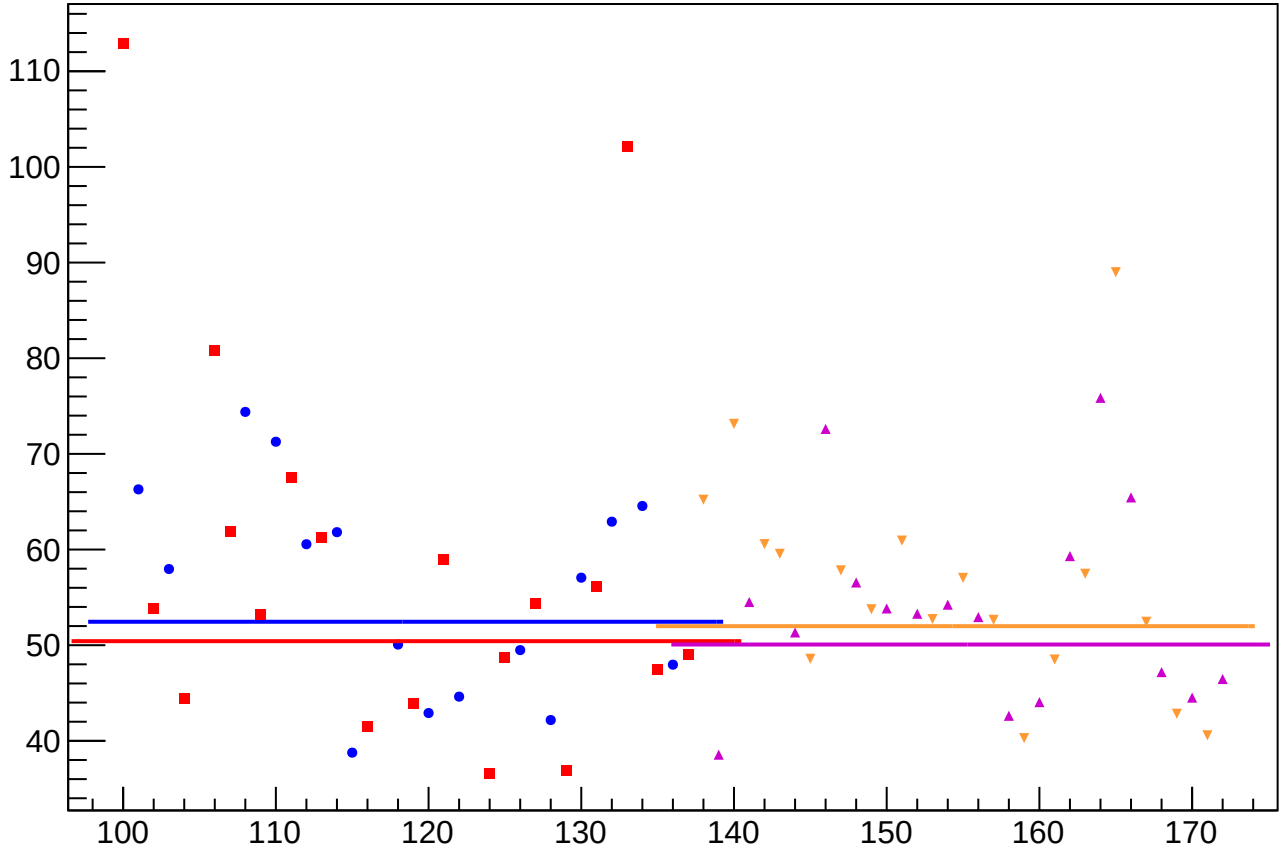
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.011 χ^2/NDF:35.6/32

Out: -0.001+/-0.012 χ^2/NDF:43.7/36

All: 0.007+/-0.008 χ^2/NDF: 80.2/69

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: 51.989+/-0.010 χ^2/NDF:851918.9/17

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: 51.002+/-0.007 χ^2/NDF: 1556590.4/34

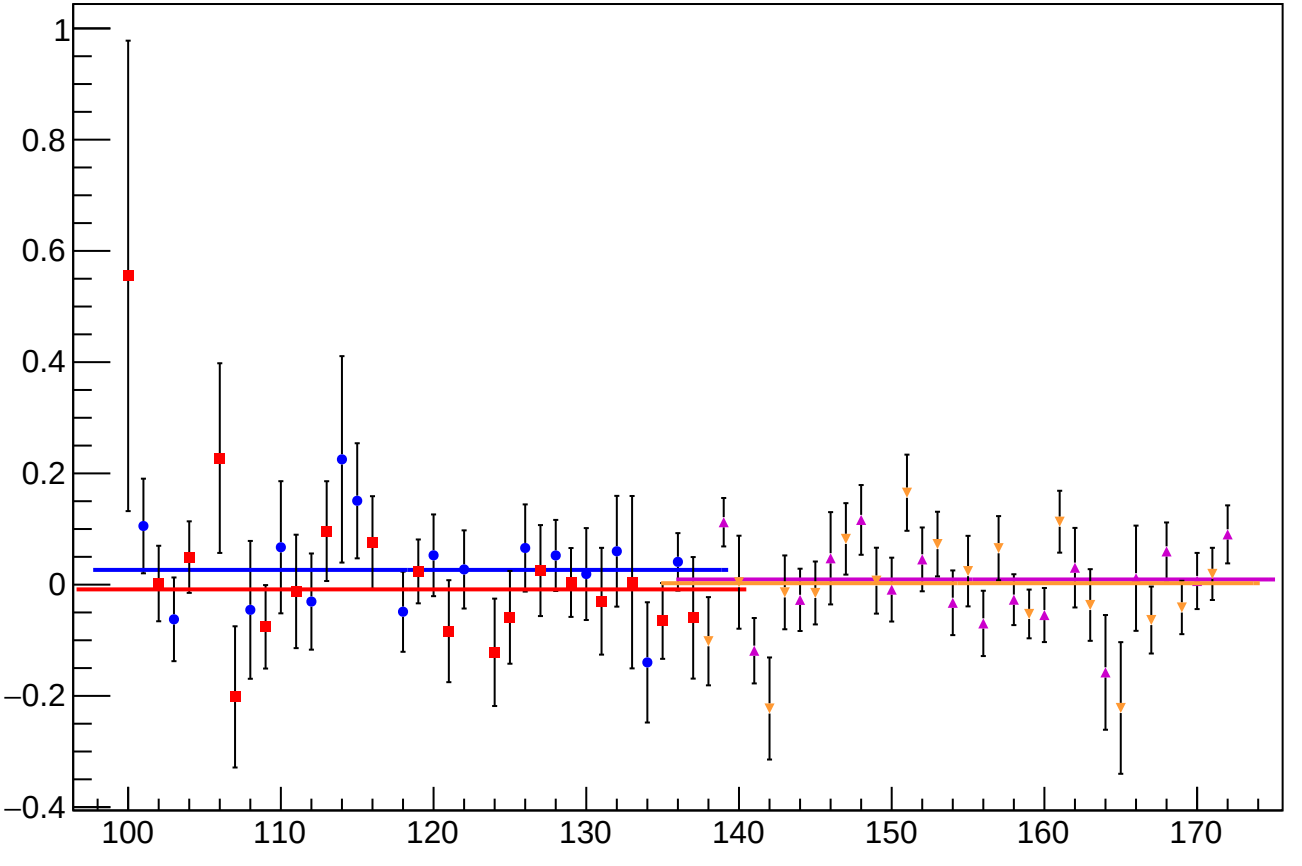
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 50.827+/-0.008 χ^2/NDF:1122820.6/32

Out: 51.439+/-0.008 χ^2/NDF:1537058.7/36

All: 51.132+/-0.006 χ^2/NDF: 2662698.1/69

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: 0.003+/-0.014 χ^2/NDF:29.5/17

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: 54.8/34

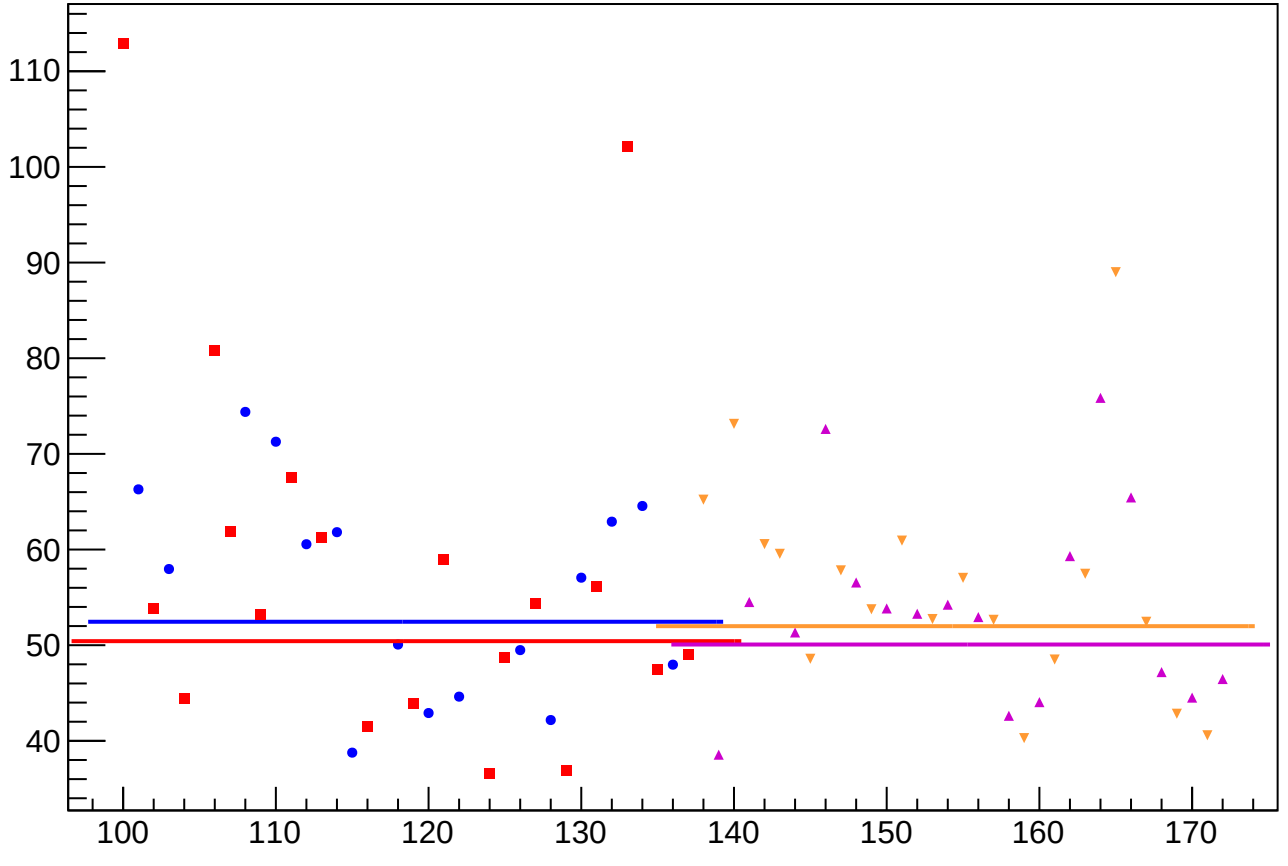
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.011 χ^2/NDF:35.6/32

Out: -0.001+/-0.012 χ^2/NDF:43.7/36

All: 0.007+/-0.008 χ^2/NDF: 80.2/69

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: 51.989+/-0.010 χ^2/NDF:851918.9/17

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.071+/-0.010 χ^2/NDF:686242.5/16

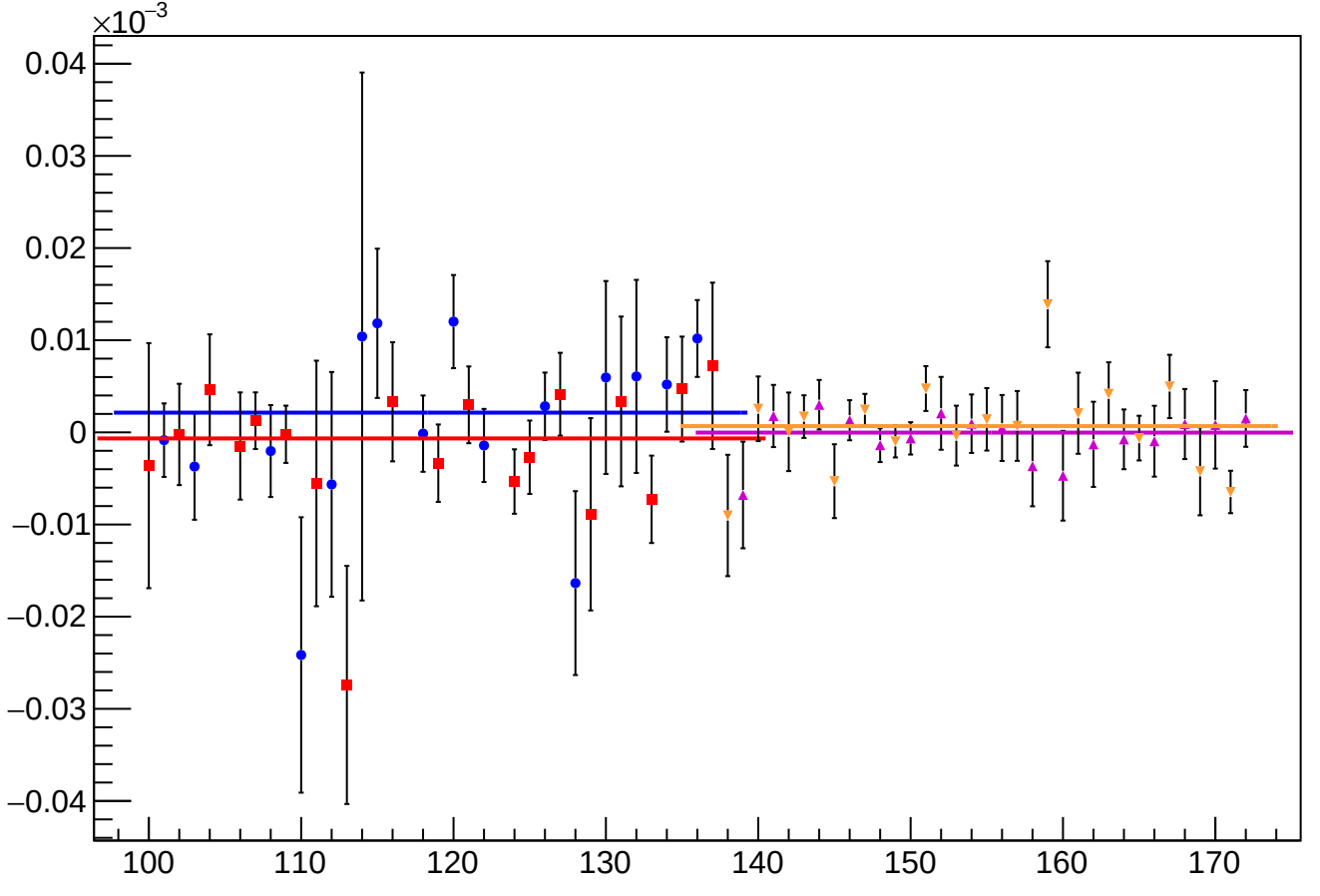
Left: 51.002+/-0.007 χ^2/NDF: 1556590.4/34

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 50.827+/-0.008 χ^2/NDF:1122820.6/32

Out: 51.439+/-0.008 χ^2/NDF:1537058.7/36

All: 51.132+/-0.006 χ^2/NDF: 2662698.1/69



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.6/17

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.5/16

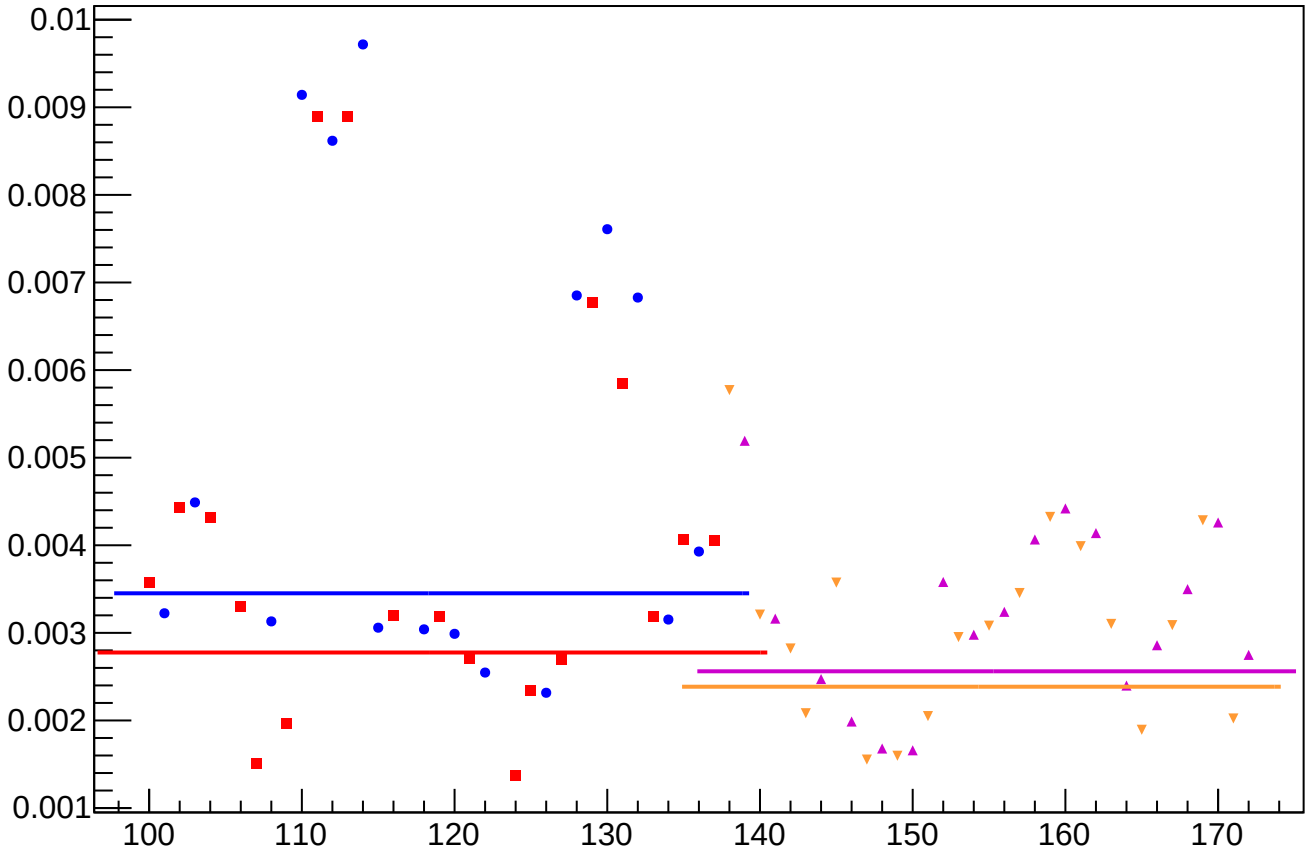
Left: 0.000+/-0.000 χ^2/NDF: 38.6/34

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:47.4/36

All: 0.000+/-0.000 χ^2/NDF: 75.9/69



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3324104.6/17

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: 6401595.6/34

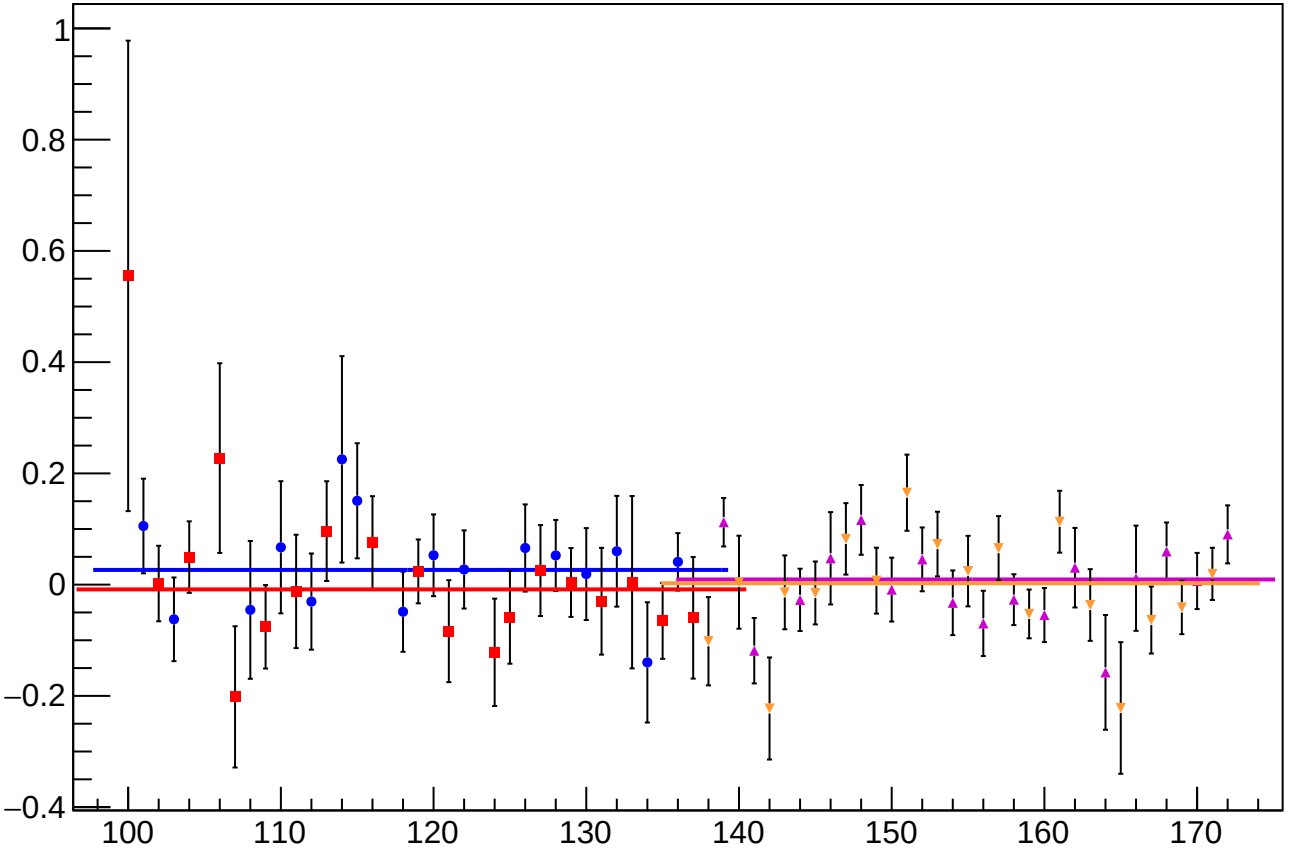
Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:5611402.1/32

Out: 0.002+/-0.000 χ^2/NDF:6230486.8/36

All: 0.003+/-0.000 χ^2/NDF: 12033170.4/69

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: 0.003+/-0.014 χ^2/NDF:29.5/17

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: 54.8/34

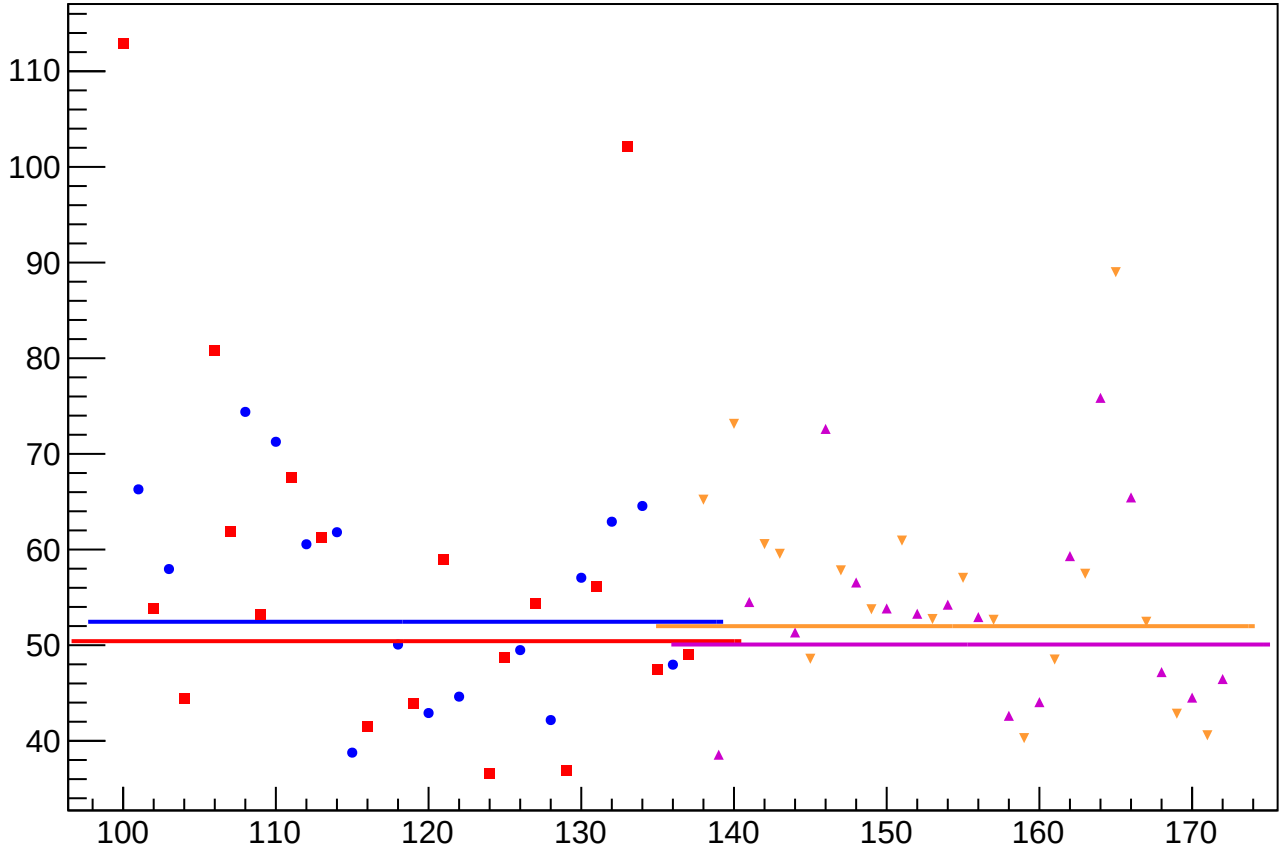
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.011 χ^2/NDF:35.6/32

Out: -0.001+/-0.012 χ^2/NDF:43.7/36

All: 0.007+/-0.008 χ^2/NDF: 80.2/69

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: 51.990+/-0.010 χ^2/NDF:851928.8/17

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: 51.003+/-0.007 χ^2/NDF: 1556679.0/34

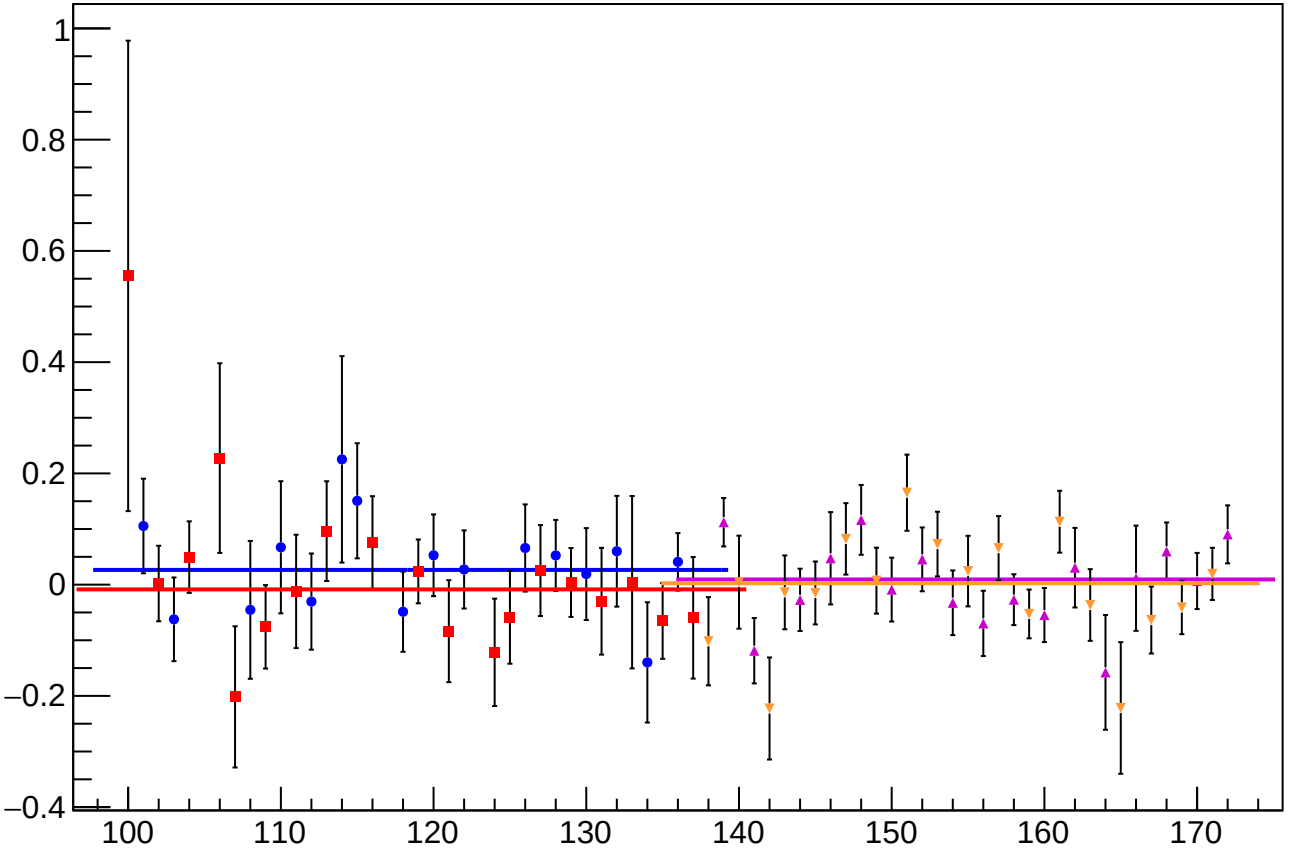
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 50.827+/-0.008 χ^2/NDF:1122828.6/32

Out: 51.439+/-0.008 χ^2/NDF:1537091.2/36

All: 51.132+/-0.006 χ^2/NDF: 2662738.6/69

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: 0.003+/-0.014 χ^2/NDF:29.5/17

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: 54.8/34

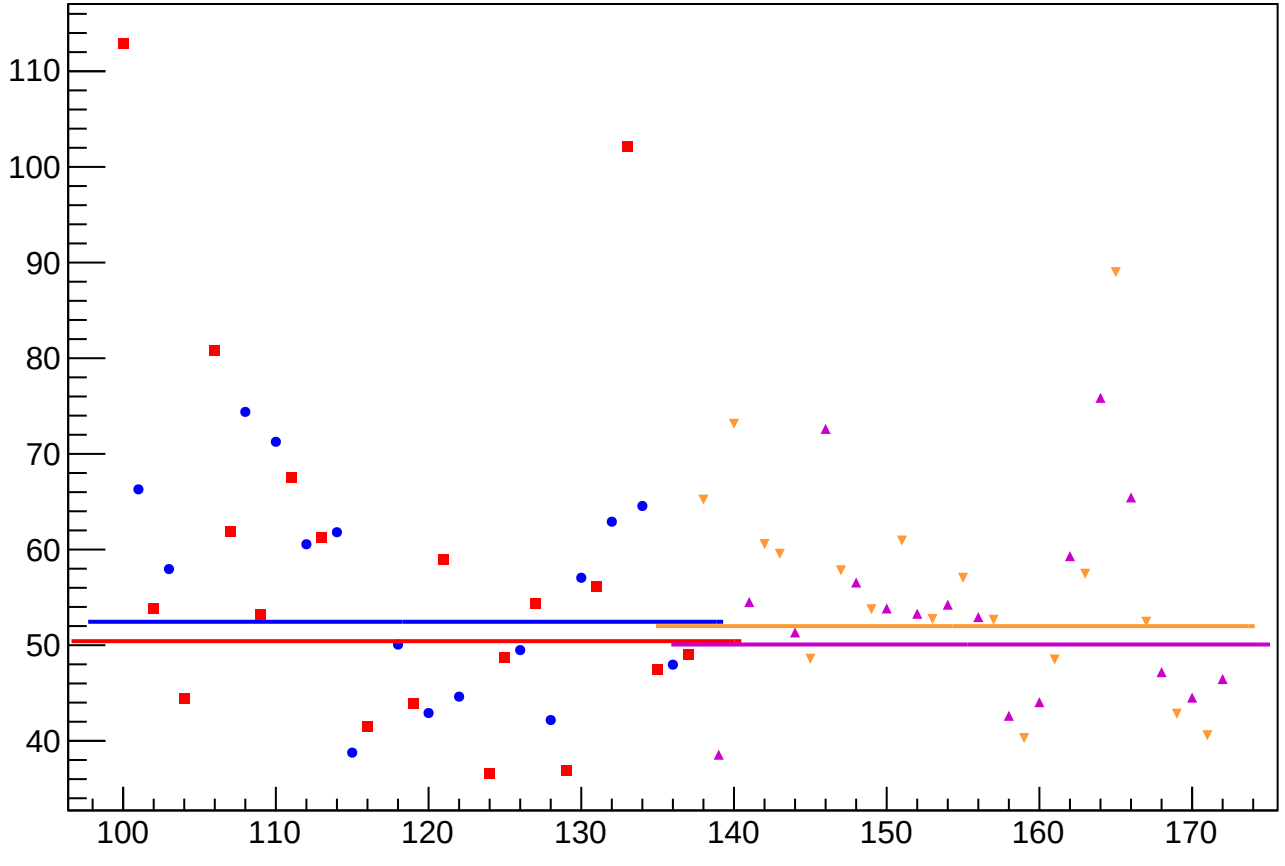
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.015+/-0.011 χ^2/NDF:35.6/32

Out: -0.001+/-0.012 χ^2/NDF:43.7/36

All: 0.007+/-0.008 χ^2/NDF: 80.2/69

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: 51.990+/-0.010 χ^2/NDF:851928.8/17

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.072+/-0.010 χ^2/NDF:686319.2/16

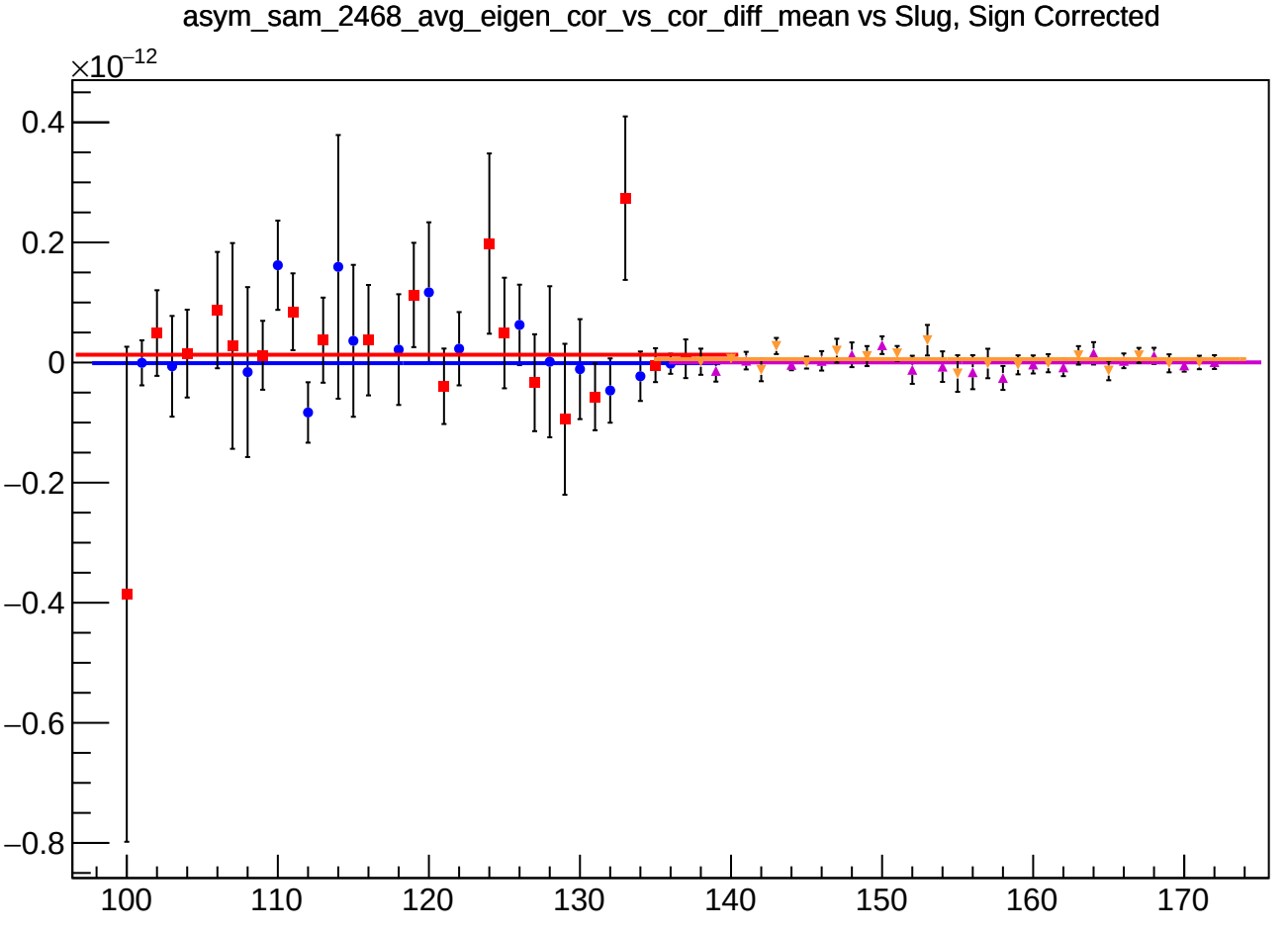
Left: 51.003+/-0.007 χ^2/NDF: 1556679.0/34

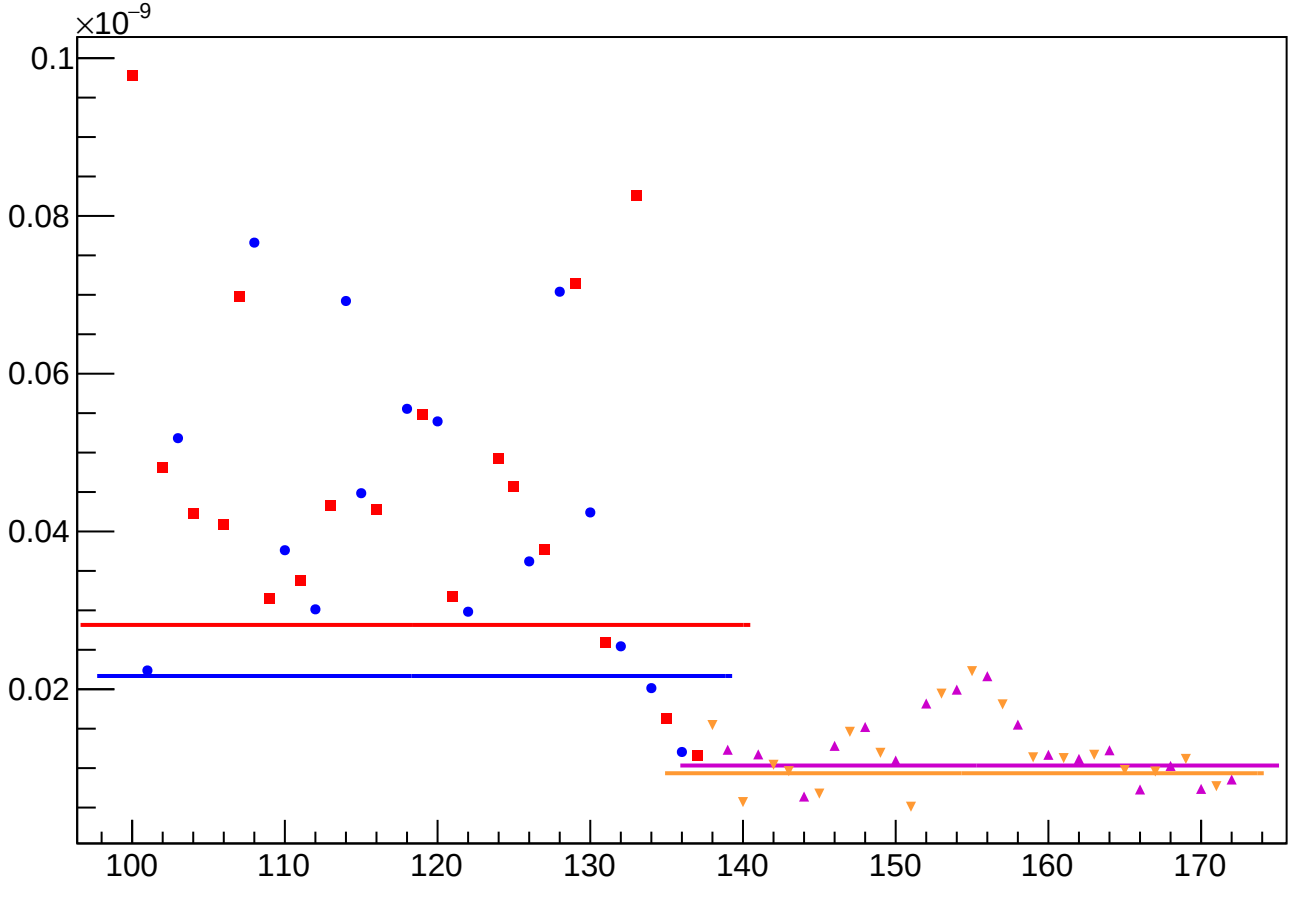
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 50.827+/-0.008 χ^2/NDF:1122828.6/32

Out: 51.439+/-0.008 χ^2/NDF:1537091.2/36

All: 51.132+/-0.006 χ^2/NDF: 2662738.6/69


asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 11.3/15
Left Out: 0.000+/-0.000 χ²/NDF:10.2/17
Right Out: 0.000+/-0.000 χ²/NDF: 13.7/18
Left In: 0.000+/-0.000 χ²/NDF:9.4/16
Left: 0.000+/-0.000 χ²/NDF: 20.7/34
Right: 0.000+/-0.000 χ²/NDF: 25.5/34
In: 0.000+/-0.000 χ²/NDF:20.6/32
Out: 0.000+/-0.000 χ²/NDF:24.1/36
All: 0.000+/-0.000 χ²/NDF: 46.2/69



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2232836.9/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1923784.1/16

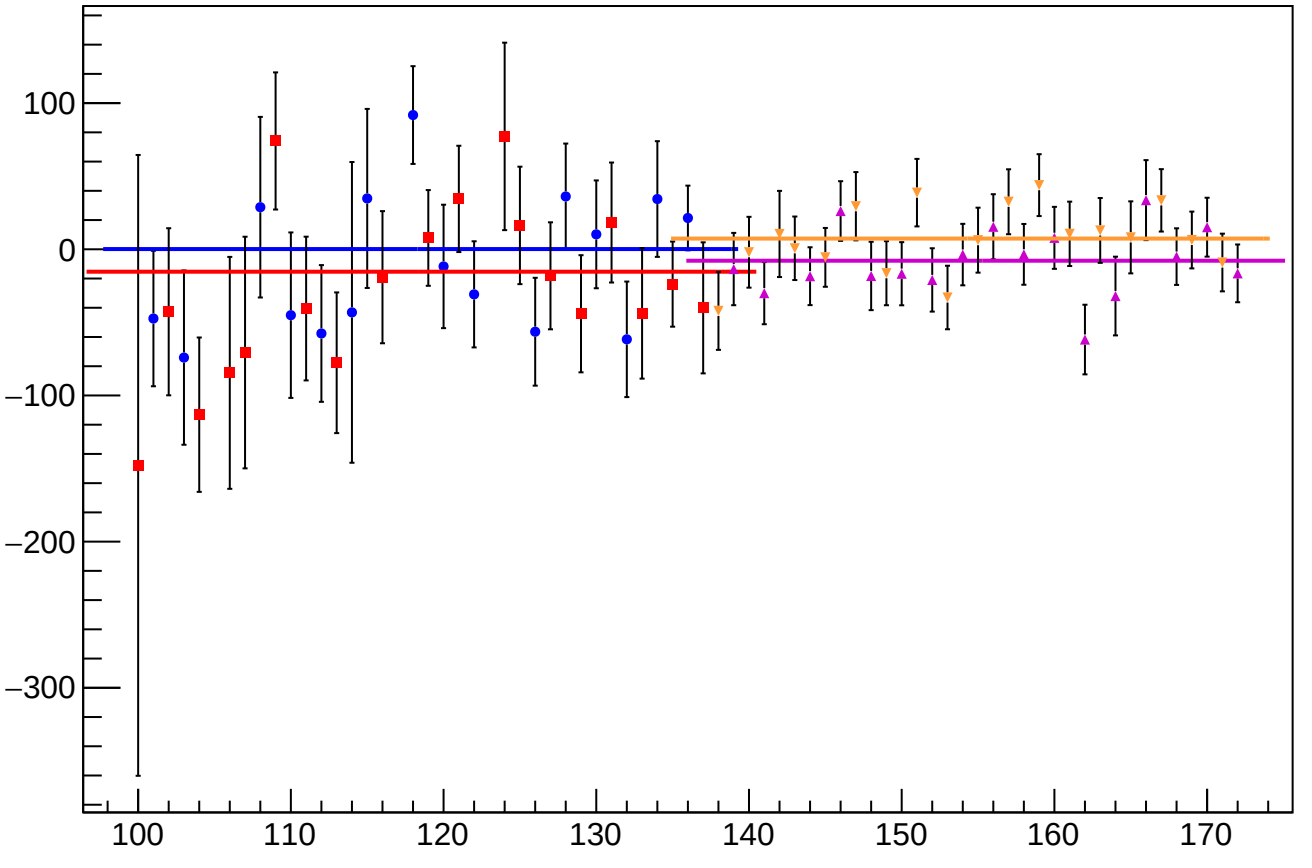
Left: 0.000+/-0.000 χ^2/NDF: 4235928.5/34

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:7803278.1/36

All: 0.000+/-0.000 χ^2/NDF: 13975300.5/69



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 7.327+/-5.256 χ^2/NDF:18.0/17

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -7.819+/-5.279 χ^2/NDF:16.4/16

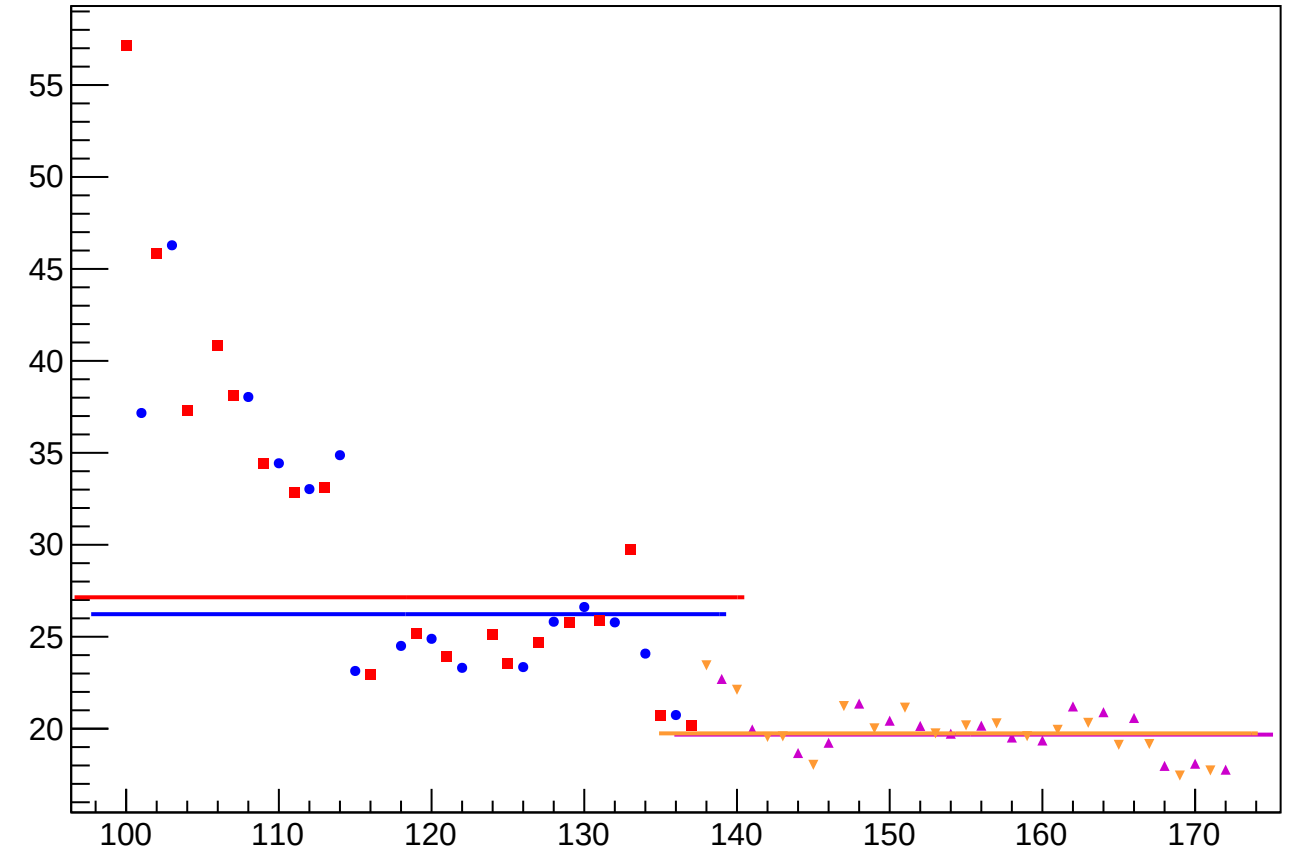
Left: -0.213+/-3.725 χ^2/NDF: 38.5/34

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -6.094+/-4.673 χ^2/NDF:38.2/32

Out: 2.621+/-4.679 χ^2/NDF:39.8/36

All: -1.741+/-3.306 χ^2/NDF: 79.8/69



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 19.745+/-0.004 χ^2/NDF:143055.8/17

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: 19.712+/-0.003 χ^2/NDF: 255839.8/34

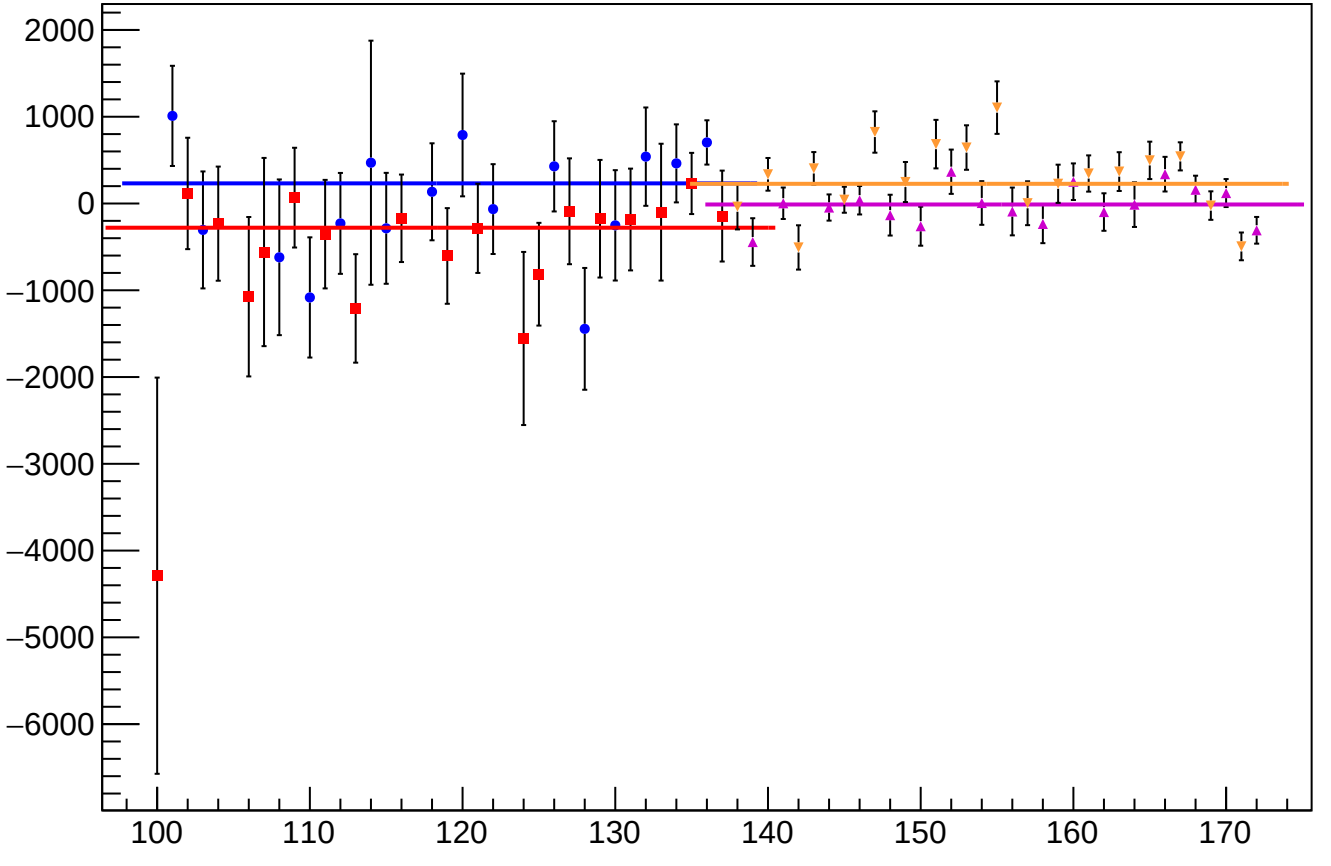
Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 21.094+/-0.003 χ^2/NDF:1454564.2/32

Out: 21.282+/-0.003 χ^2/NDF:1721682.1/36

All: 21.188+/-0.002 χ^2/NDF: 3177858.4/69

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: 226.852+/-48.723 χ^2/NDF:61.6/17

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: -11.276+/-48.202 χ^2/NDF:17.7/16

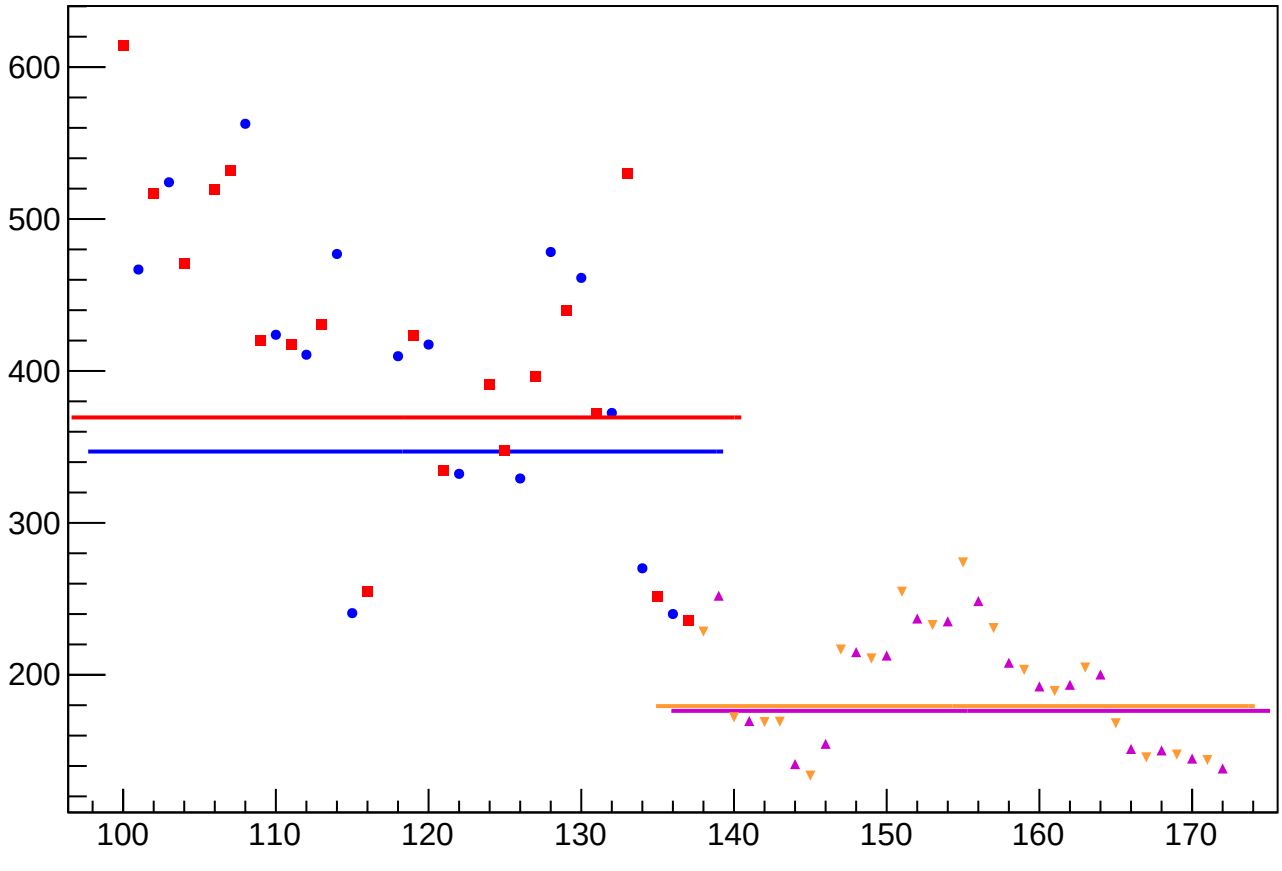
Left: 106.506+/-34.267 χ^2/NDF: 91.4/34

Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: 16.288+/-45.390 χ^2/NDF:40.3/32

Out: 172.173+/-46.015 χ^2/NDF:85.3/36

All: 93.164+/-32.314 χ^2/NDF: 131.4/69



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 179.418+/-0.034 χ^2/NDF:1184360.7/17

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 176.284+/-0.034 χ^2/NDF:1128623.9/16

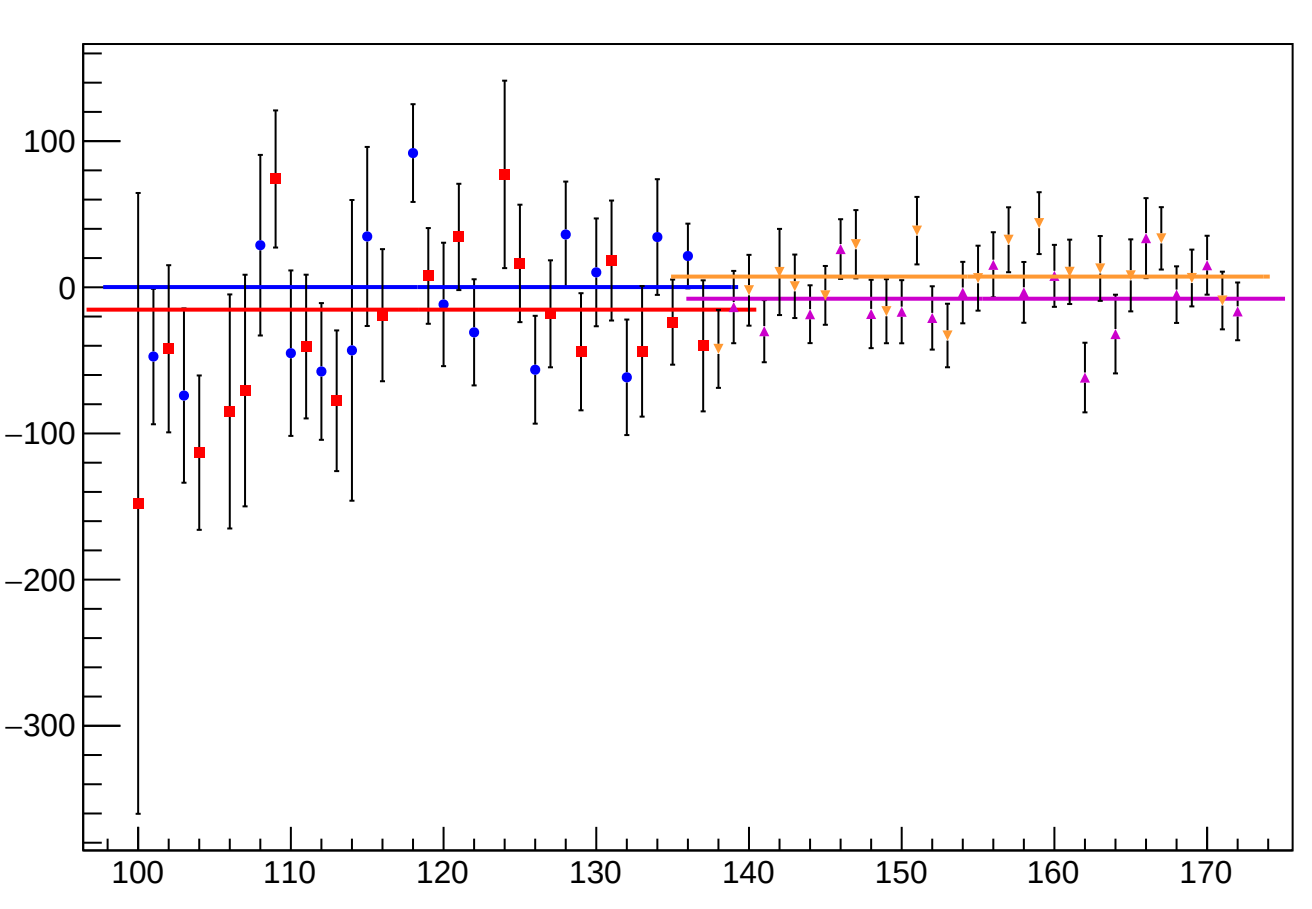
Left: 177.834+/-0.024 χ^2/NDF: 2317167.0/34

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 195.616+/-0.032 χ^2/NDF:5027075.5/32

Out: 199.953+/-0.033 χ^2/NDF:5390121.0/36

All: 197.755+/-0.023 χ^2/NDF: 10426202.7/69



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 7.327+/-5.256 χ^2/NDF:18.0/17

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -7.819+/-5.279 χ^2/NDF:16.4/16

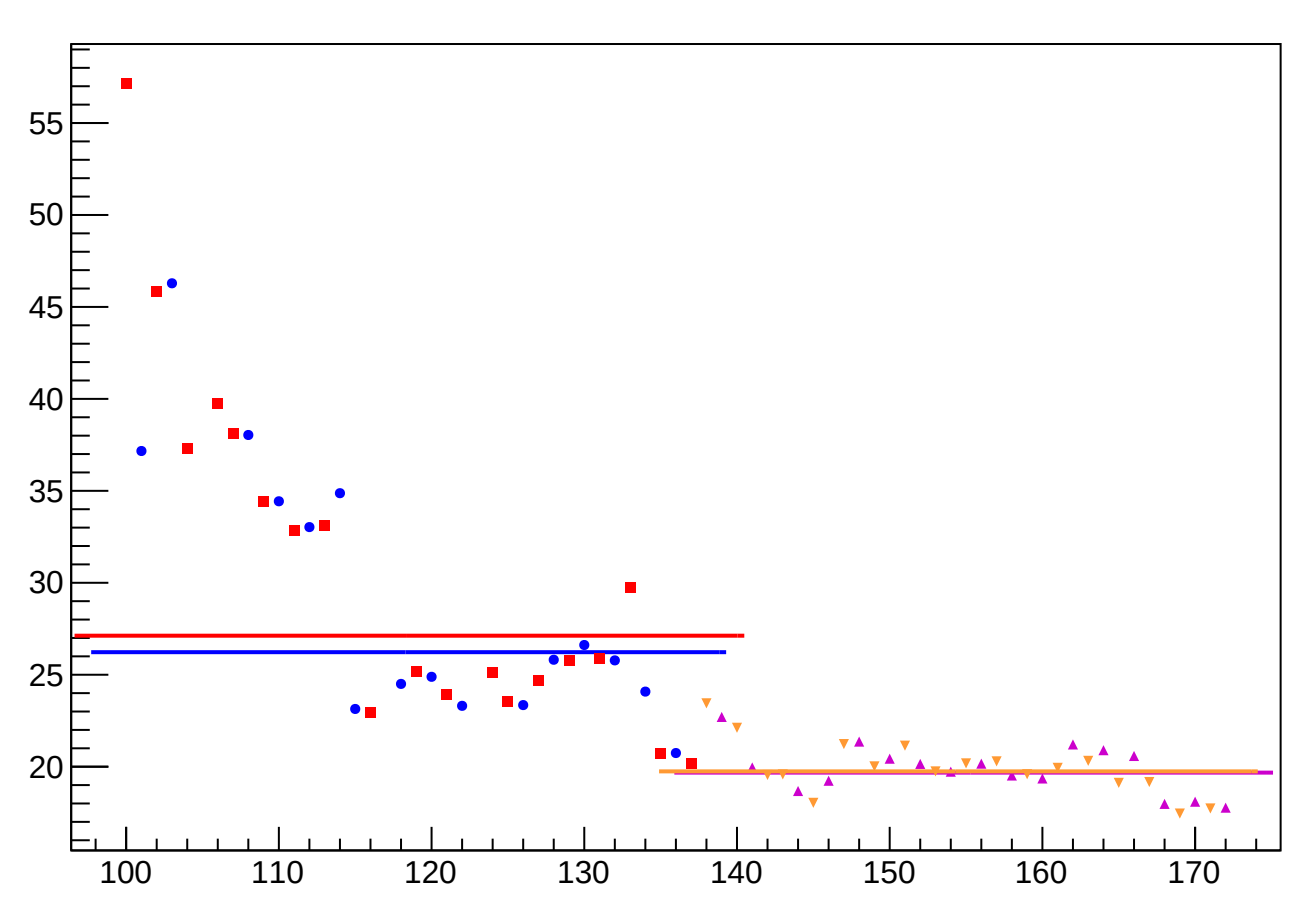
Left: -0.214+/-3.725 χ^2/NDF: 38.5/34

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -6.094+/-4.673 χ^2/NDF:38.2/32

Out: 2.631+/-4.679 χ^2/NDF:39.8/36

All: -1.737+/-3.306 χ^2/NDF: 79.7/69



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.745+/-0.004 χ^2/NDF:143055.8/17

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.678+/-0.004 χ^2/NDF:112618.7/16

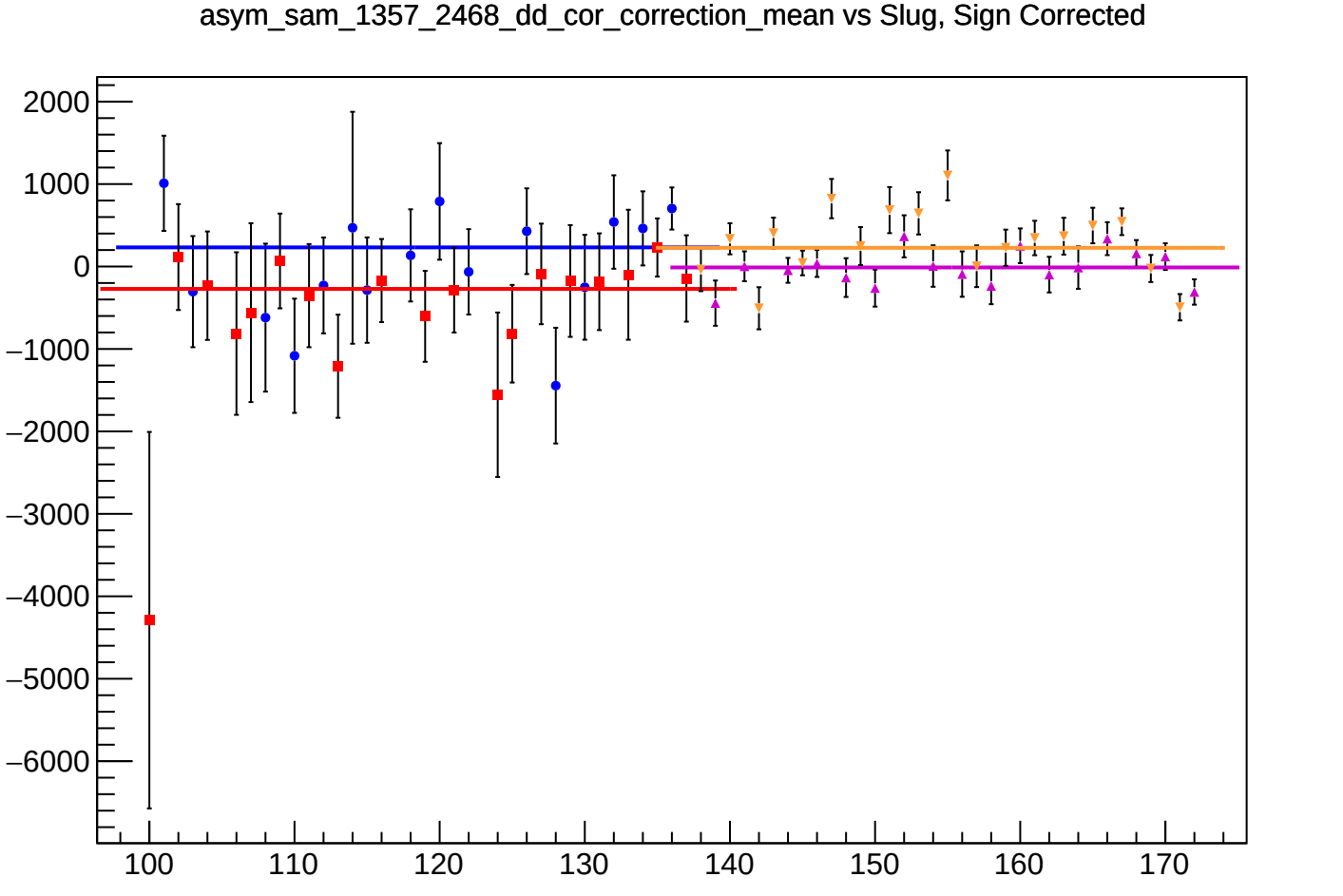
Left: 19.712+/-0.003 χ^2/NDF: 255839.8/34

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 21.094+/-0.003 χ^2/NDF:1454567.5/32

Out: 21.277+/-0.003 χ^2/NDF:1706853.8/36

All: 21.186+/-0.002 χ^2/NDF: 3162949.5/69



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 226.851+/-48.723 χ^2/NDF:61.6/17

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: 106.505+/-34.267 χ^2/NDF: 91.4/34

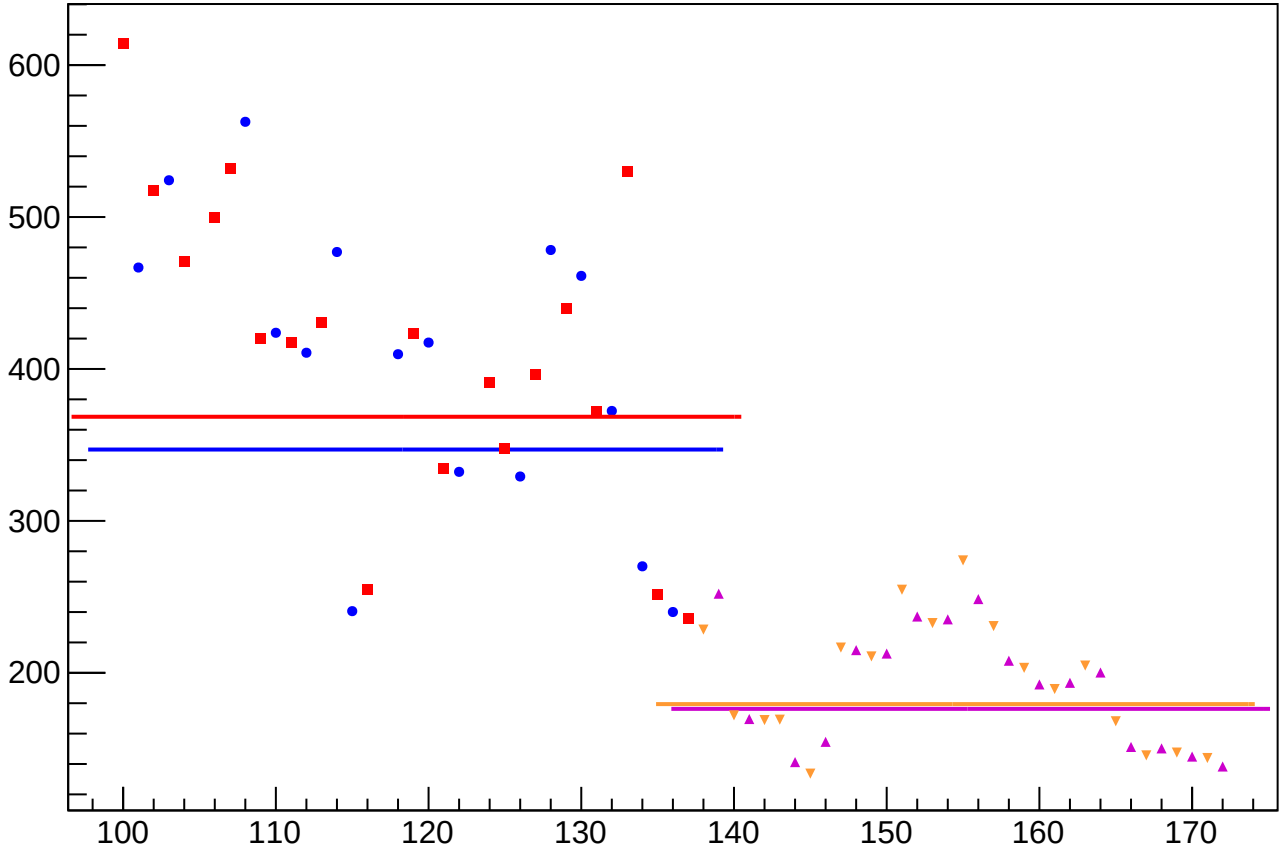
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 16.287+/-45.390 χ^2/NDF:40.3/32

Out: 173.146+/-46.023 χ^2/NDF:84.5/36

All: 93.630+/-32.317 χ^2/NDF: 130.6/69

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: 179.418+/-0.034 χ^2/NDF:1184363.2/17

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 176.284+/-0.034 χ^2/NDF:1128619.8/16

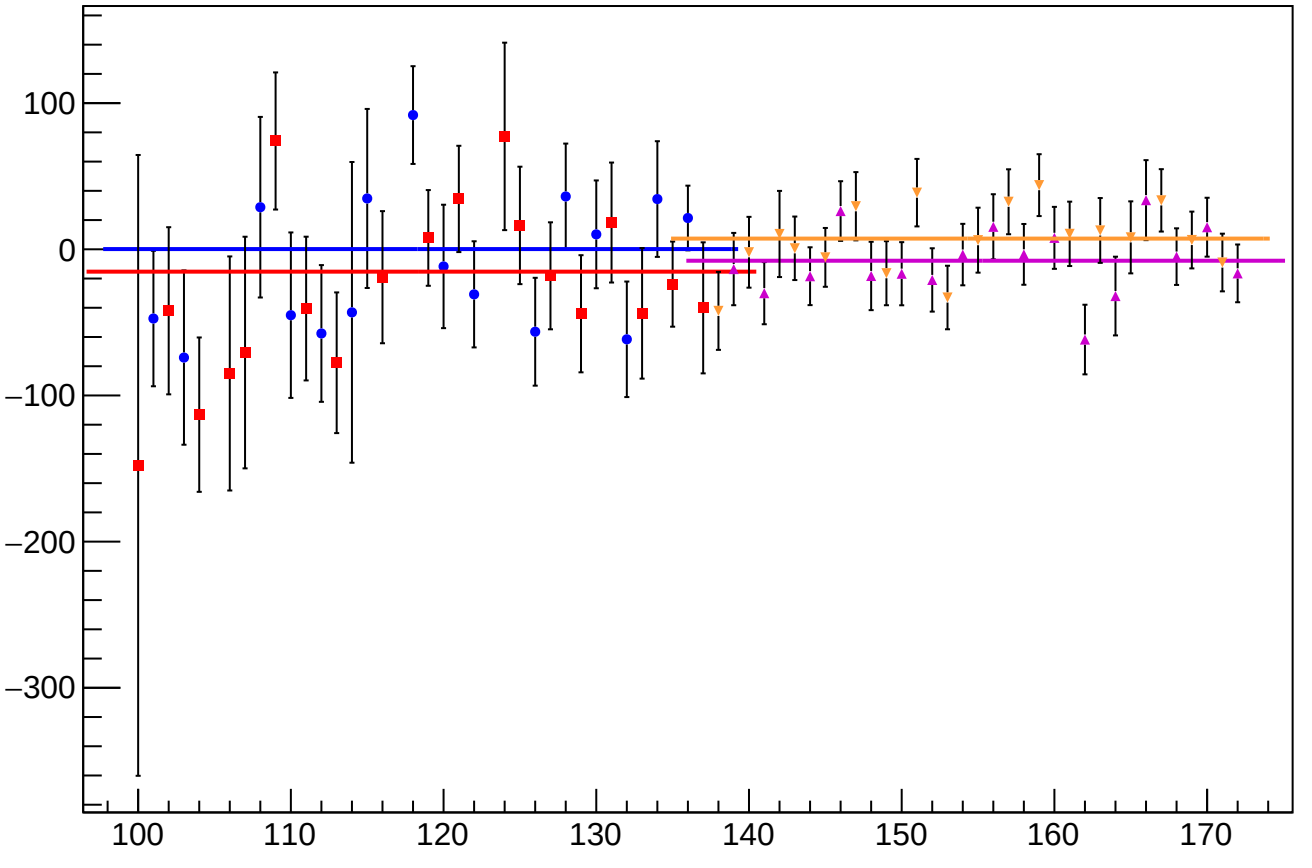
Left: 177.834+/-0.024 χ^2/NDF: 2317165.0/34

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 195.616+/-0.032 χ^2/NDF:5027092.4/32

Out: 199.803+/-0.033 χ^2/NDF:5332550.8/36

All: 197.680+/-0.023 χ^2/NDF: 10368034.2/69



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 7.327+/-5.256 χ^2/NDF:18.0/17

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -7.819+/-5.279 χ^2/NDF:16.4/16

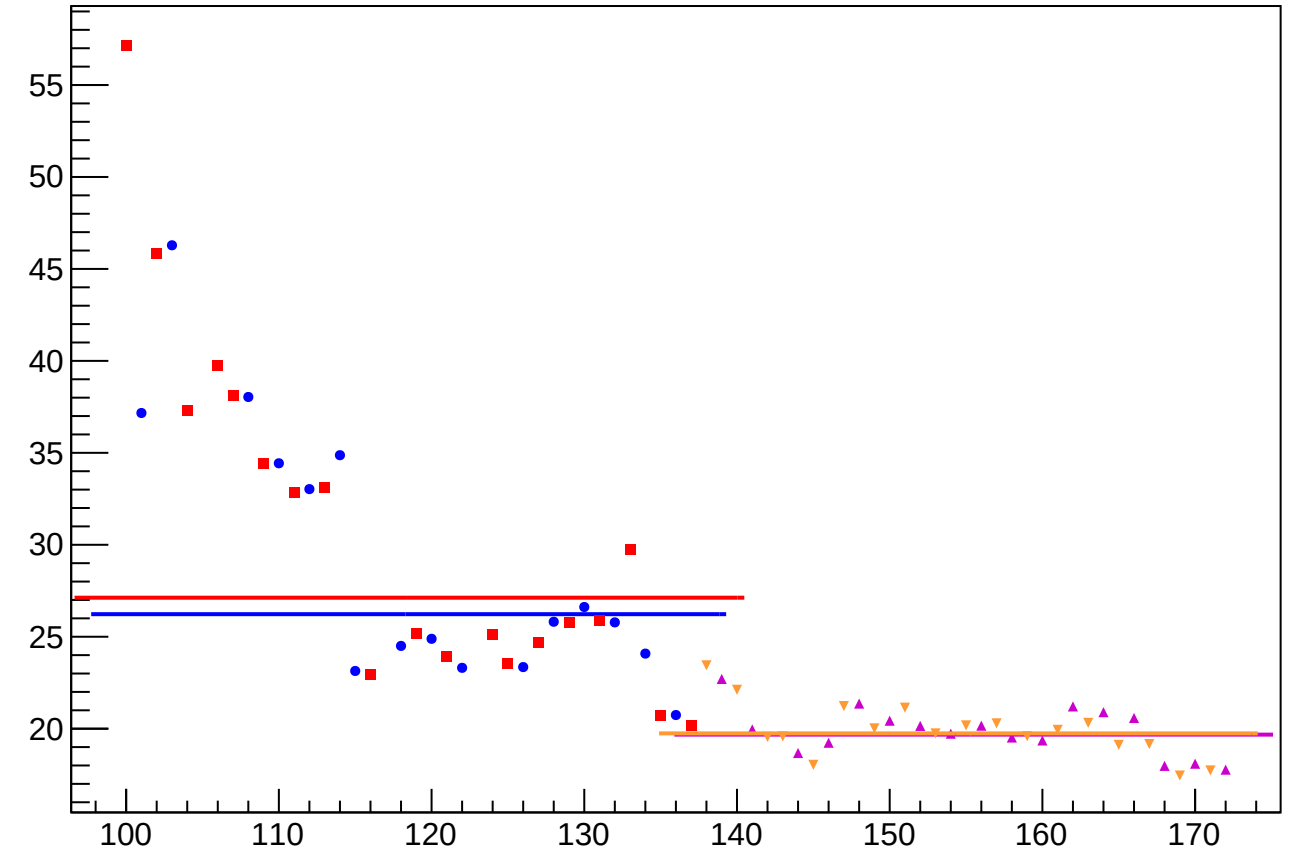
Left: -0.214+/-3.725 χ^2/NDF: 38.5/34

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -6.094+/-4.673 χ^2/NDF:38.2/32

Out: 2.631+/-4.679 χ^2/NDF:39.8/36

All: -1.737+/-3.306 χ^2/NDF: 79.7/69



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.745+/-0.004 χ^2/NDF:143055.8/17

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: 19.712+/-0.003 χ^2/NDF: 255839.8/34

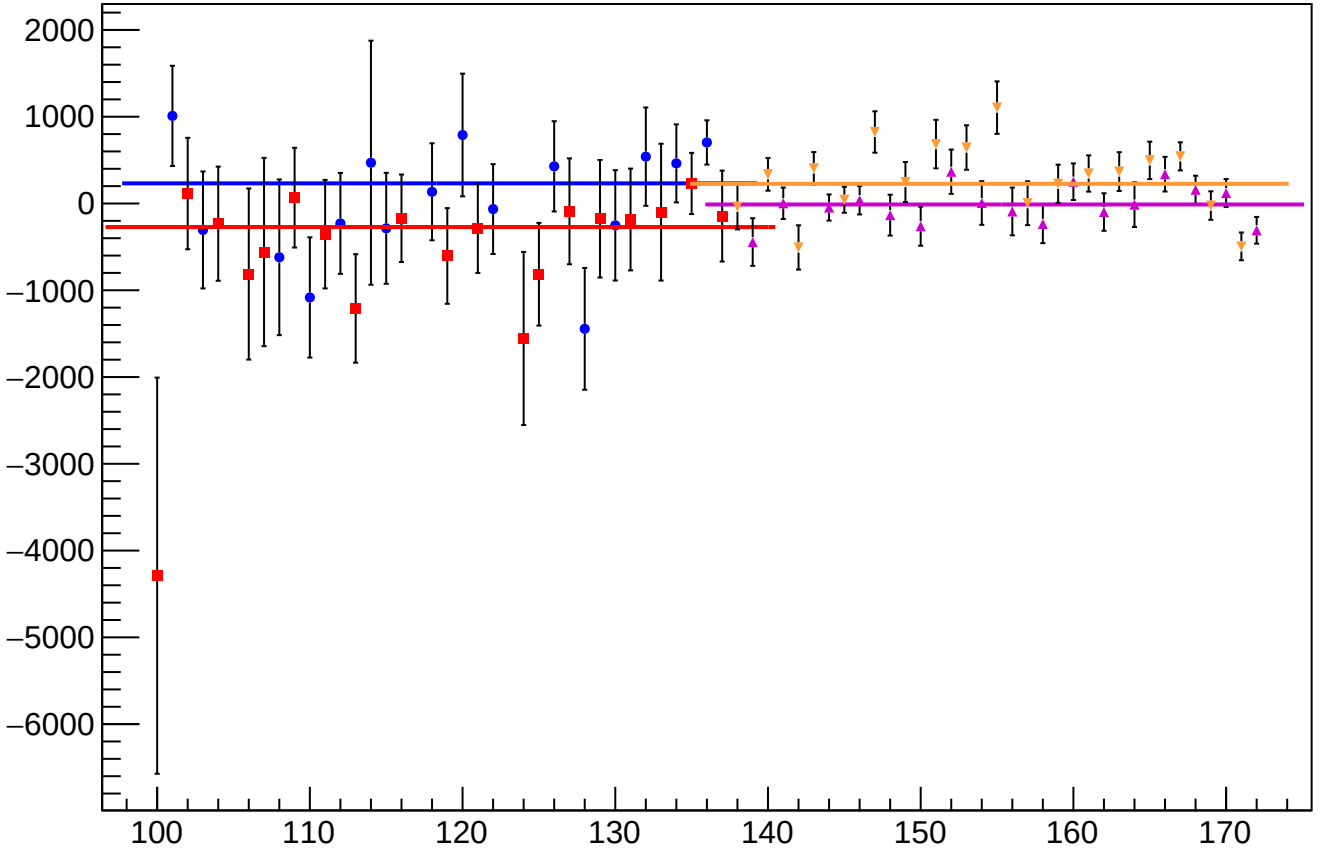
Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 21.094+/-0.003 χ^2/NDF:1454567.5/32

Out: 21.277+/-0.003 χ^2/NDF:1706853.8/36

All: 21.186+/-0.002 χ^2/NDF: 3162949.5/69

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 226.851+/-48.723 χ^2/NDF:61.6/17

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: 106.505+/-34.267 χ^2/NDF: 91.4/34

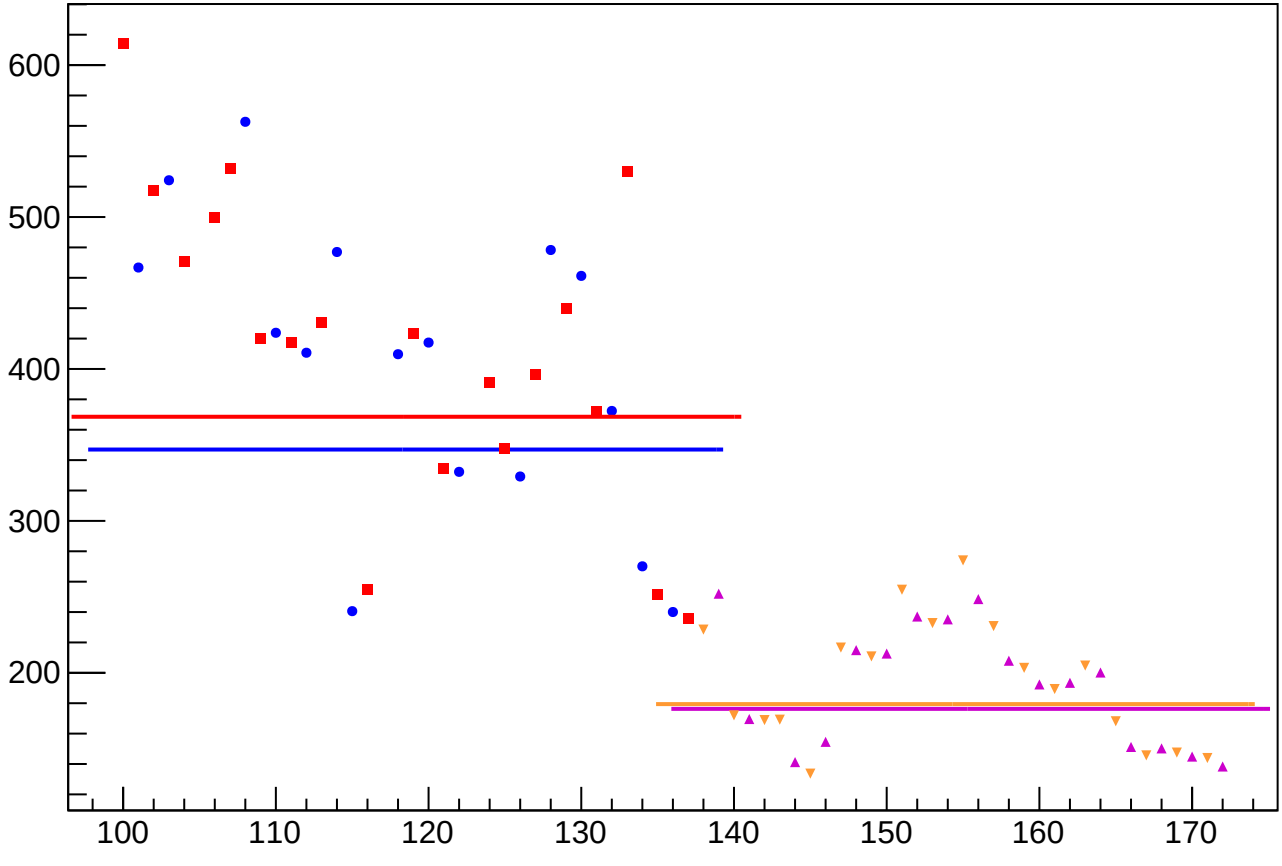
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 16.287+/-45.390 χ^2/NDF:40.3/32

Out: 173.146+/-46.023 χ^2/NDF:84.5/36

All: 93.630+/-32.317 χ^2/NDF: 130.6/69

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: 179.418+/-0.034 χ^2/NDF:1184363.2/17

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 176.284+/-0.034 χ^2/NDF:1128619.8/16

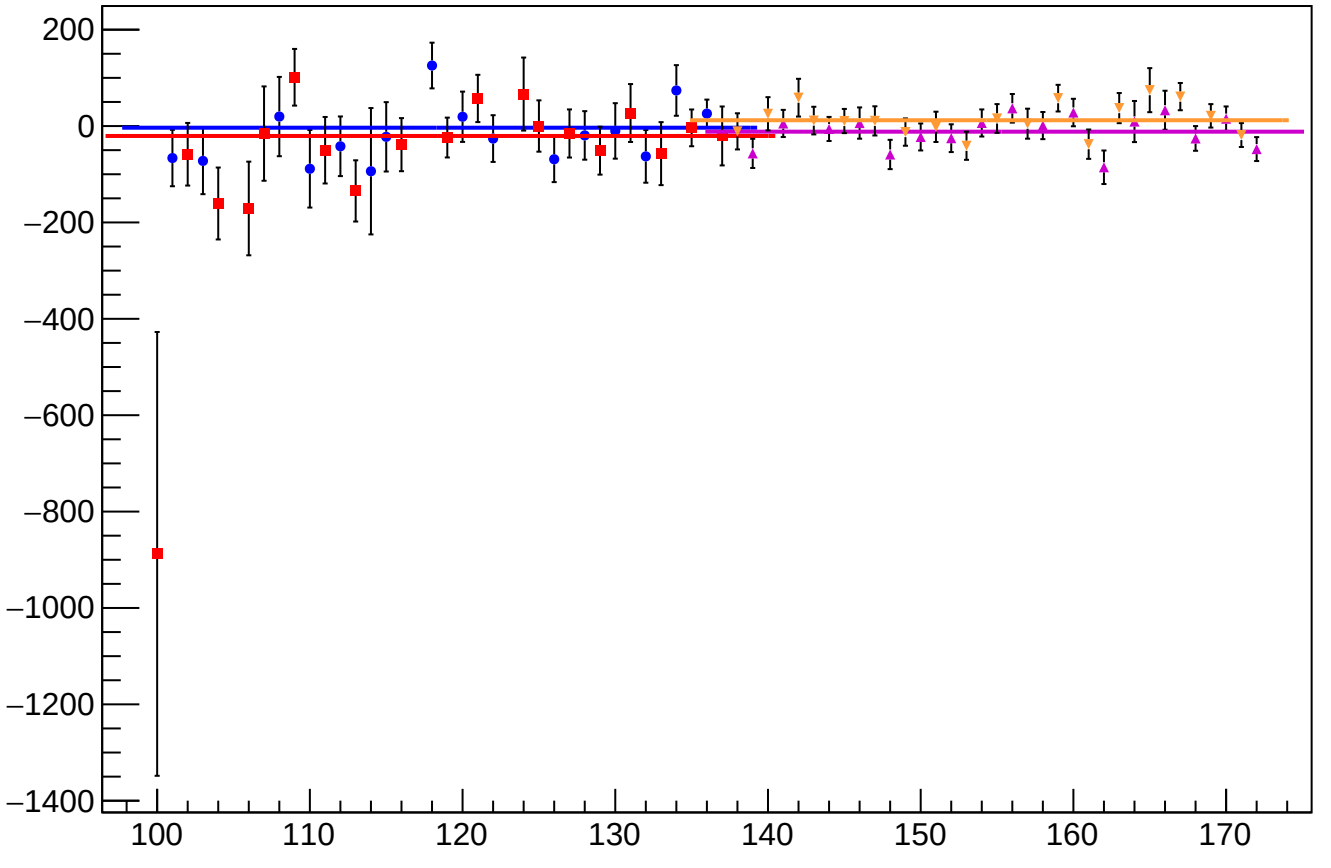
Left: 177.834+/-0.024 χ^2/NDF: 2317165.0/34

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 195.616+/-0.032 χ^2/NDF:5027092.4/32

Out: 199.803+/-0.033 χ^2/NDF:5332550.8/36

All: 197.680+/-0.023 χ^2/NDF: 10368034.2/69



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 12.048+/-7.048 χ^2/NDF:18.9/17

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -11.676+/-7.063 χ^2/NDF:20.5/16

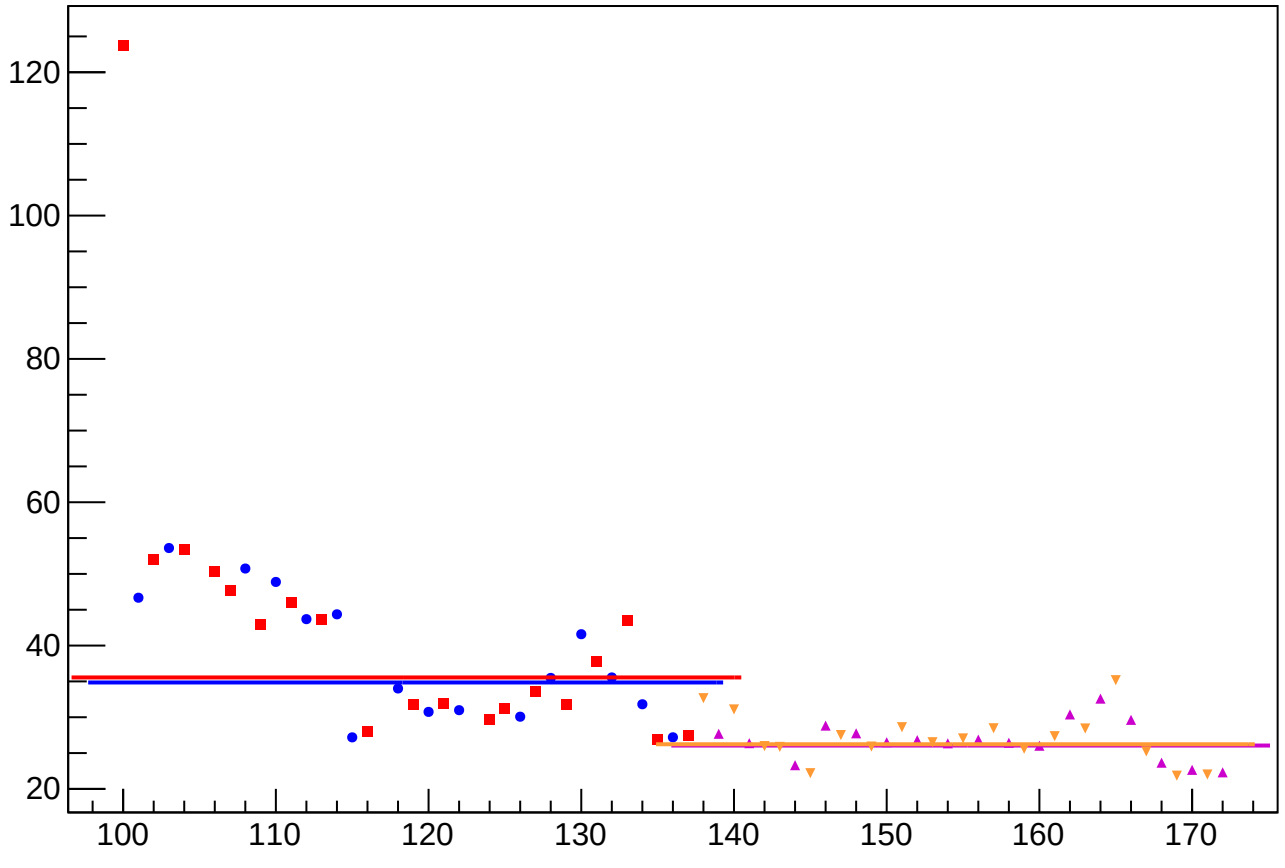
Left: 0.212+/-4.989 χ^2/NDF: 45.0/34

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -9.880+/-6.247 χ^2/NDF:39.2/32

Out: 5.042+/-6.245 χ^2/NDF:46.6/36

All: -2.416+/-4.417 χ^2/NDF: 88.7/69



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 26.230+/-0.005 χ^2/NDF:393476.5/17

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 26.051+/-0.005 χ^2/NDF:248001.0/16

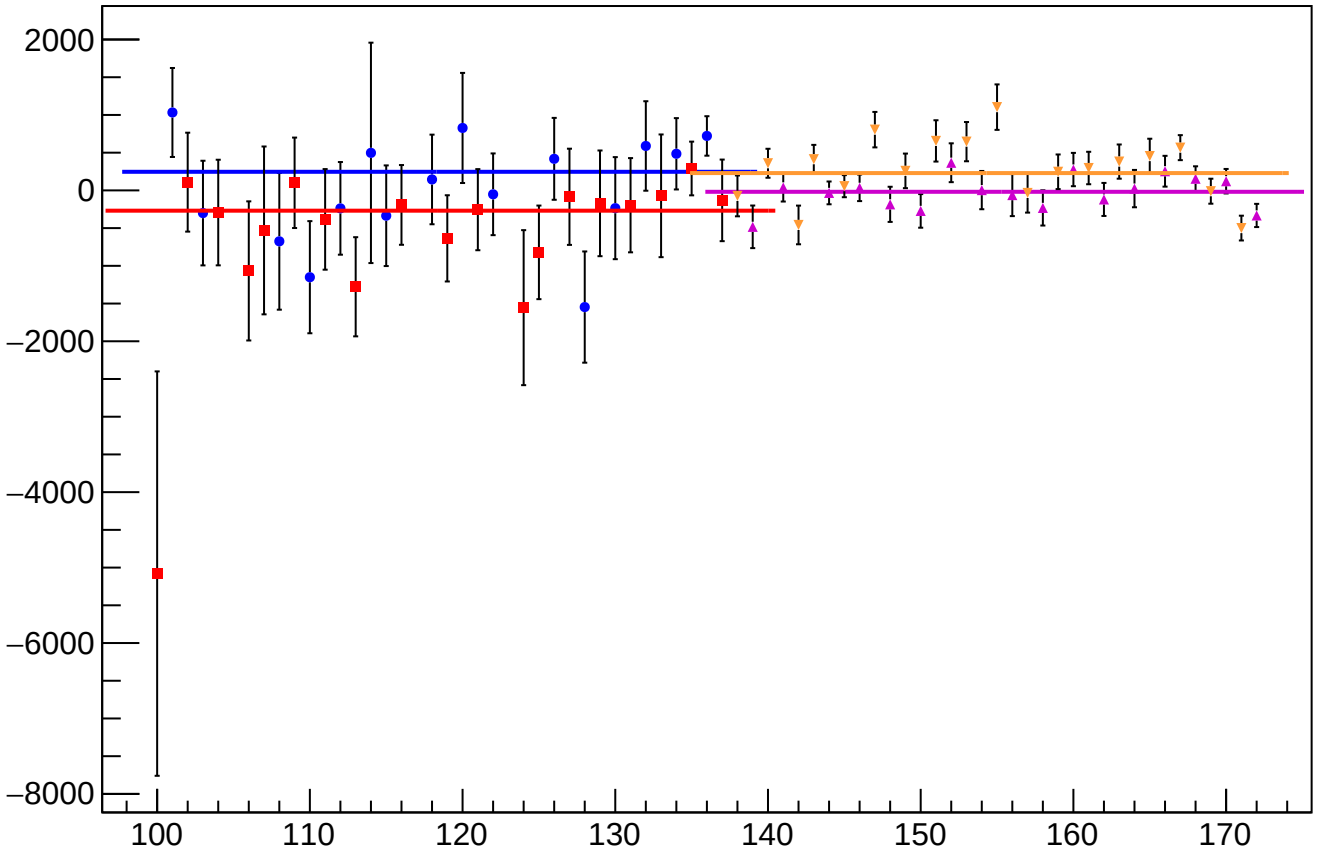
Left: 26.141+/-0.004 χ^2/NDF: 642120.2/34

Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 27.966+/-0.004 χ^2/NDF:1581646.1/32

Out: 28.232+/-0.004 χ^2/NDF:1925110.9/36

All: 28.099+/-0.003 χ^2/NDF: 3508578.1/69



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 229.537+/-49.368 χ^2/NDF:59.1/17

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: 104.536+/-34.779 χ^2/NDF: 89.5/34

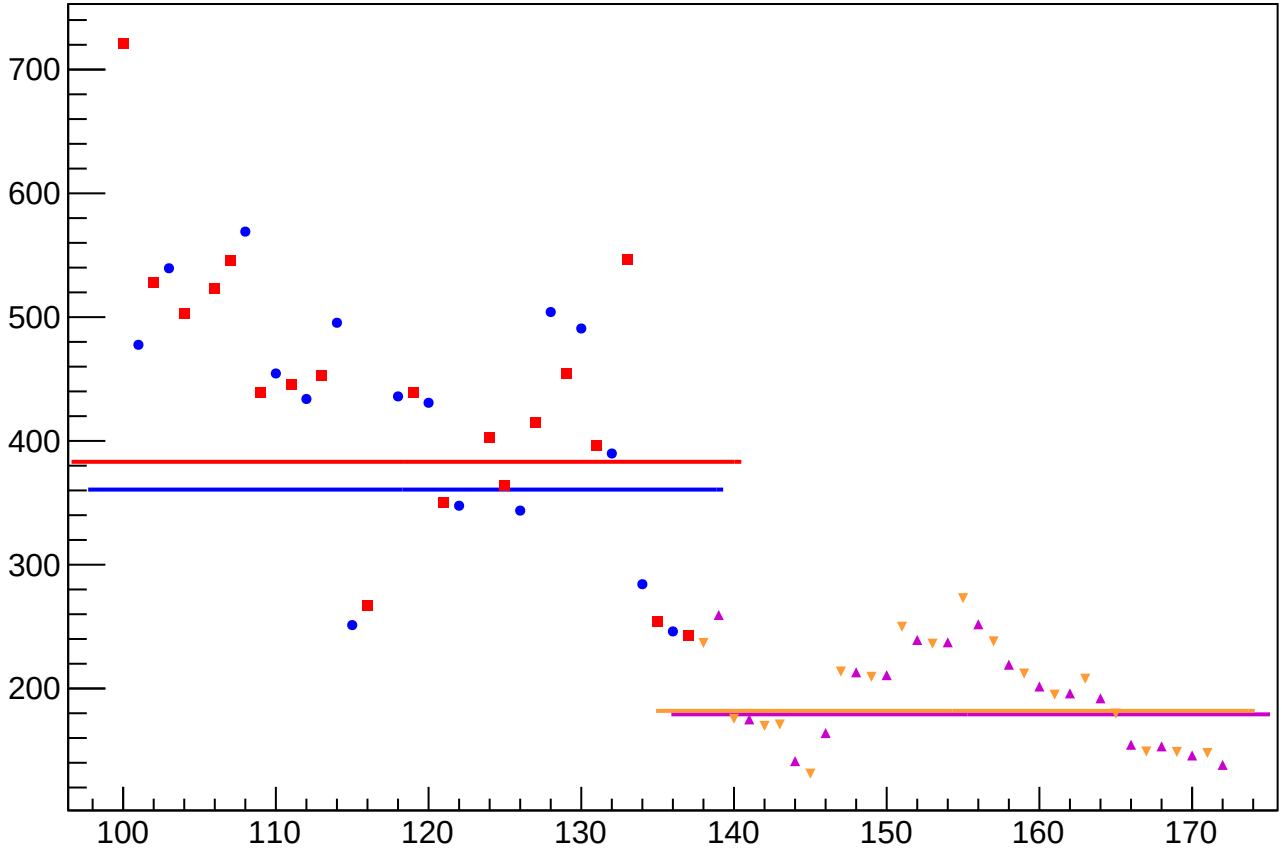
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: 10.207+/-46.263 χ^2/NDF:40.6/32

Out: 177.948+/-46.743 χ^2/NDF:82.3/36

All: 93.211+/-32.881 χ^2/NDF: 129.4/69

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: 181.923+/-0.035 χ^2/NDF:1199396.2/17

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 179.115+/-0.035 χ^2/NDF:1135917.5/16

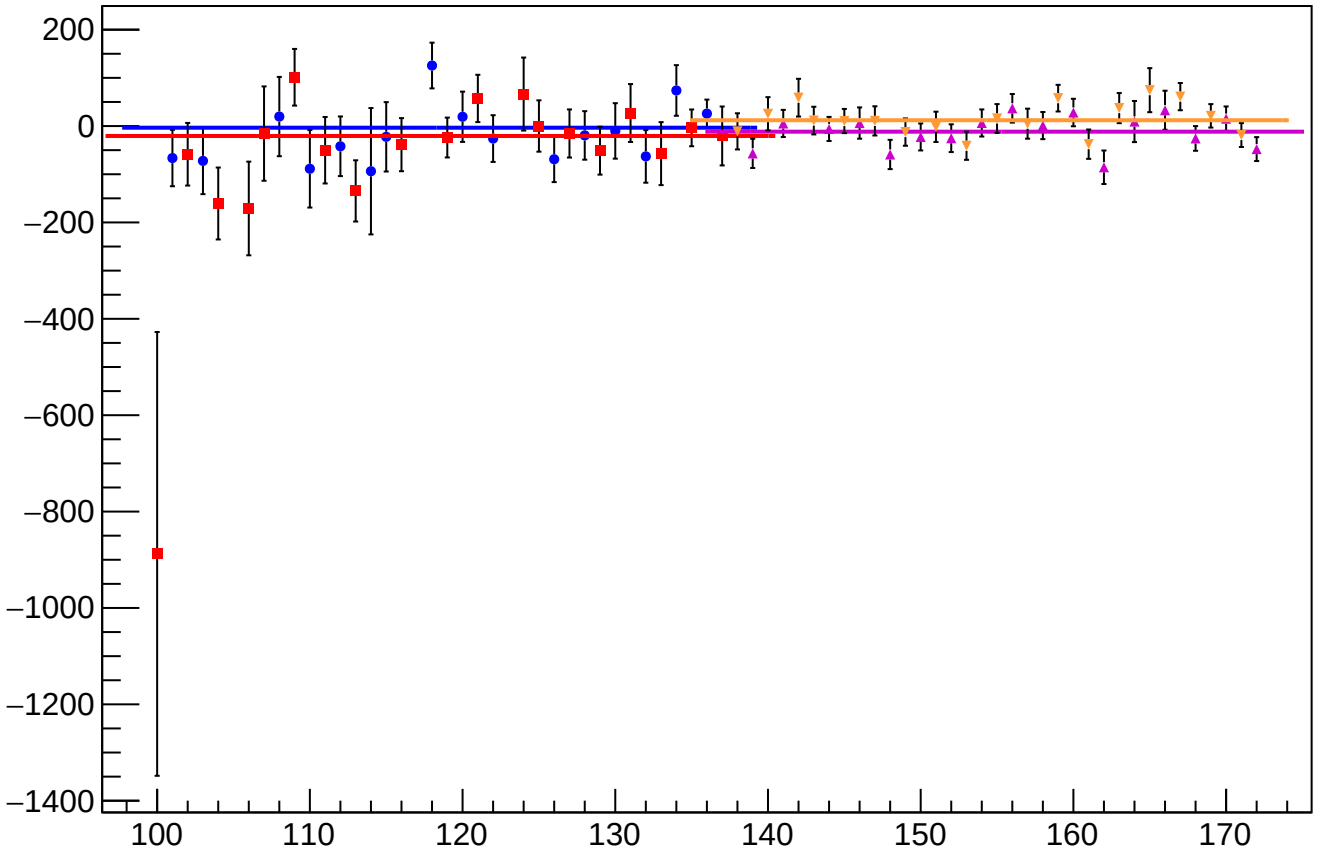
Left: 180.509+/-0.025 χ^2/NDF: 2338572.7/34

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 198.866+/-0.033 χ^2/NDF:5215309.2/32

Out: 202.748+/-0.033 χ^2/NDF:5601021.1/36

All: 200.787+/-0.023 χ^2/NDF: 10823300.9/69



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 12.048+/-7.048 χ^2/NDF:18.9/17

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -11.676+/-7.063 χ^2/NDF:20.5/16

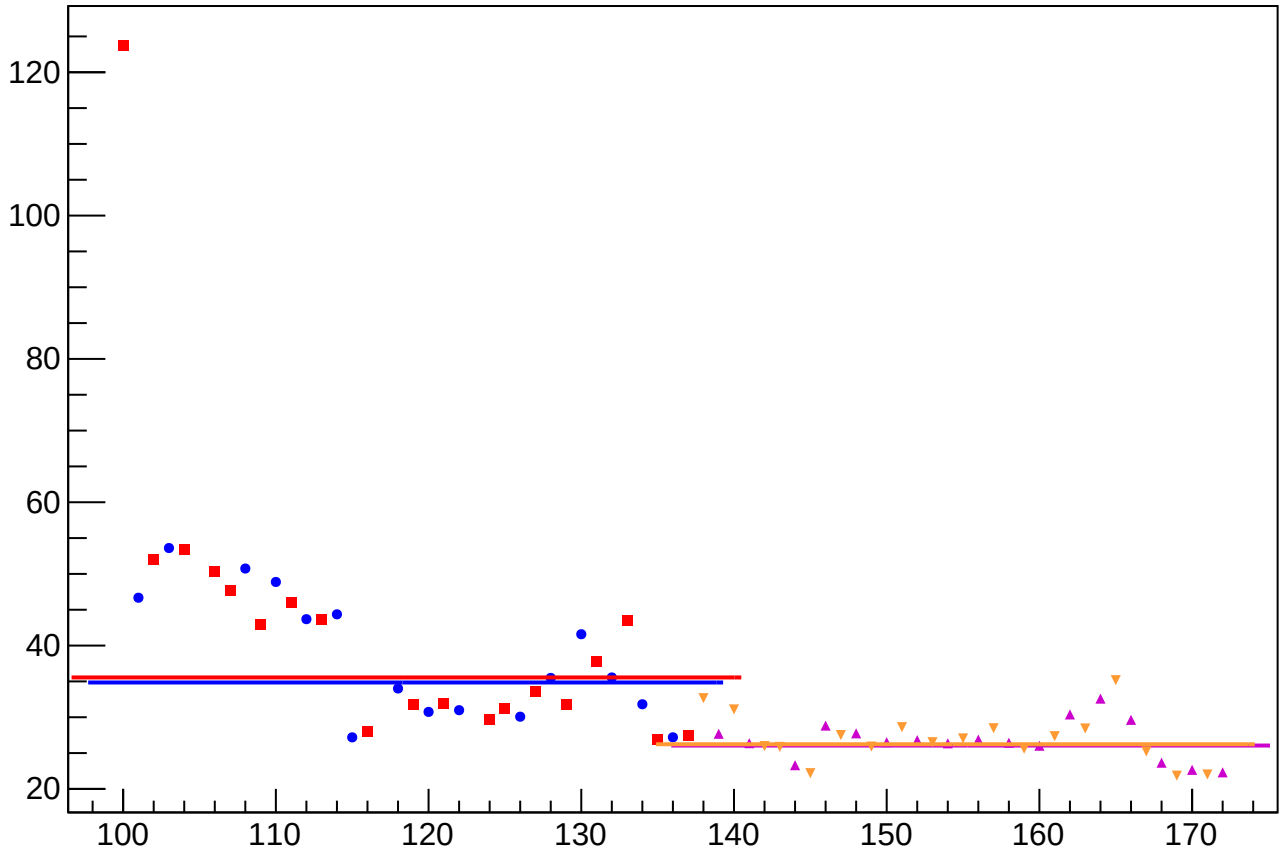
Left: 0.212+/-4.989 χ^2/NDF: 45.0/34

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -9.881+/-6.247 χ^2/NDF:39.2/32

Out: 5.042+/-6.245 χ^2/NDF:46.6/36

All: -2.416+/-4.417 χ^2/NDF: 88.7/69



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 26.230+/-0.005 χ^2/NDF:393463.7/17

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 26.051+/-0.005 χ^2/NDF:247999.4/16

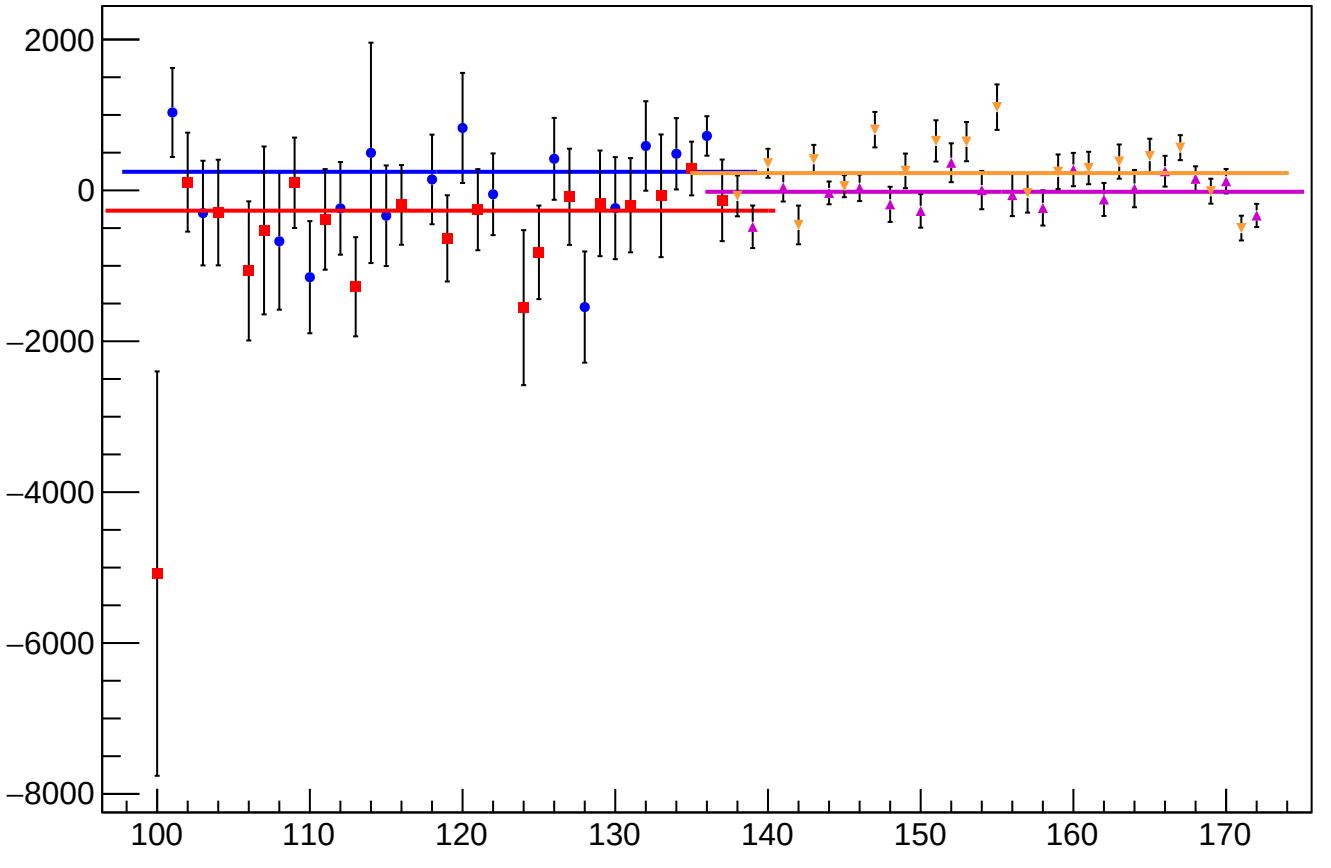
Left: 26.141+/-0.004 χ^2/NDF: 642105.9/34

Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 27.966+/-0.004 χ^2/NDF:1581522.1/32

Out: 28.233+/-0.004 χ^2/NDF:1925001.0/36

All: 28.099+/-0.003 χ^2/NDF: 3508344.8/69



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 229.536+/-49.368 χ^2/NDF:59.1/17

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: 104.536+/-34.779 χ^2/NDF: 89.5/34

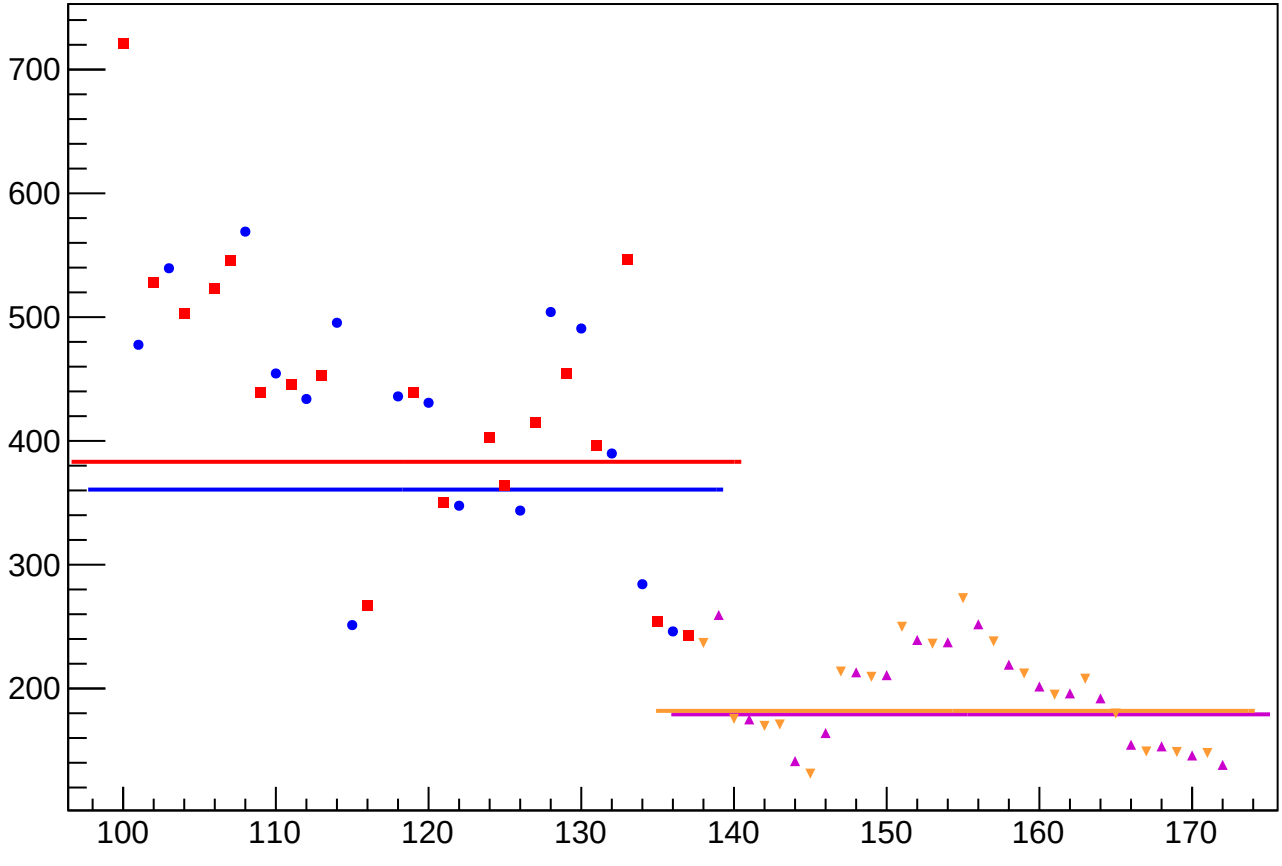
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: 10.207+/-46.263 χ^2/NDF:40.6/32

Out: 177.947+/-46.743 χ^2/NDF:82.3/36

All: 93.211+/-32.881 χ^2/NDF: 129.4/69

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: 181.923+/-0.035 χ^2/NDF:1199424.2/17

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: 180.508+/-0.025 χ^2/NDF: 2338610.7/34

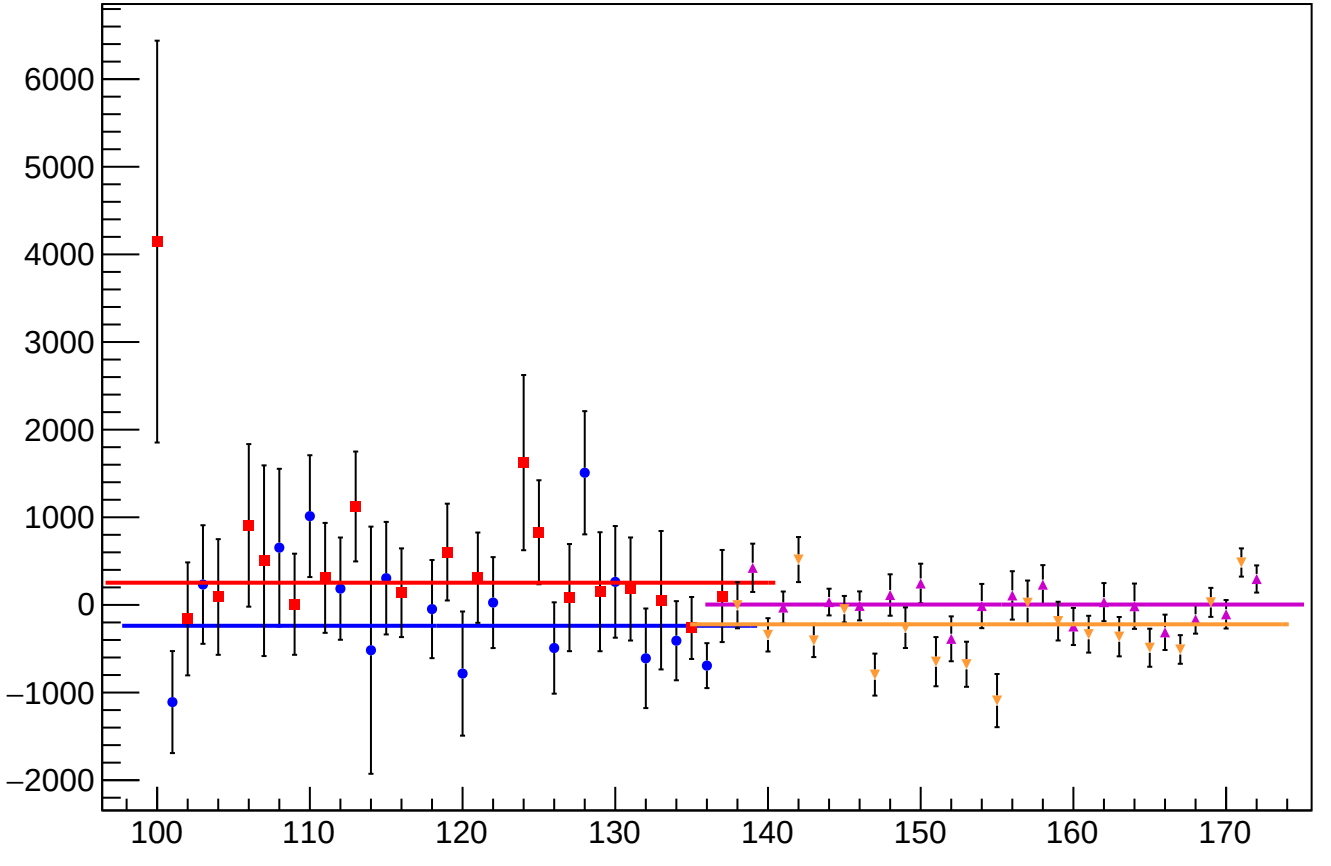
Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 198.865+/-0.033 χ^2/NDF:5215314.9/32

Out: 202.748+/-0.033 χ^2/NDF:5601054.4/36

All: 200.786+/-0.023 χ^2/NDF: 10823339.3/69

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -221.273+/-49.043 χ^2/NDF:58.7/17

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 4.375+/-48.528 χ^2/NDF:16.2/16

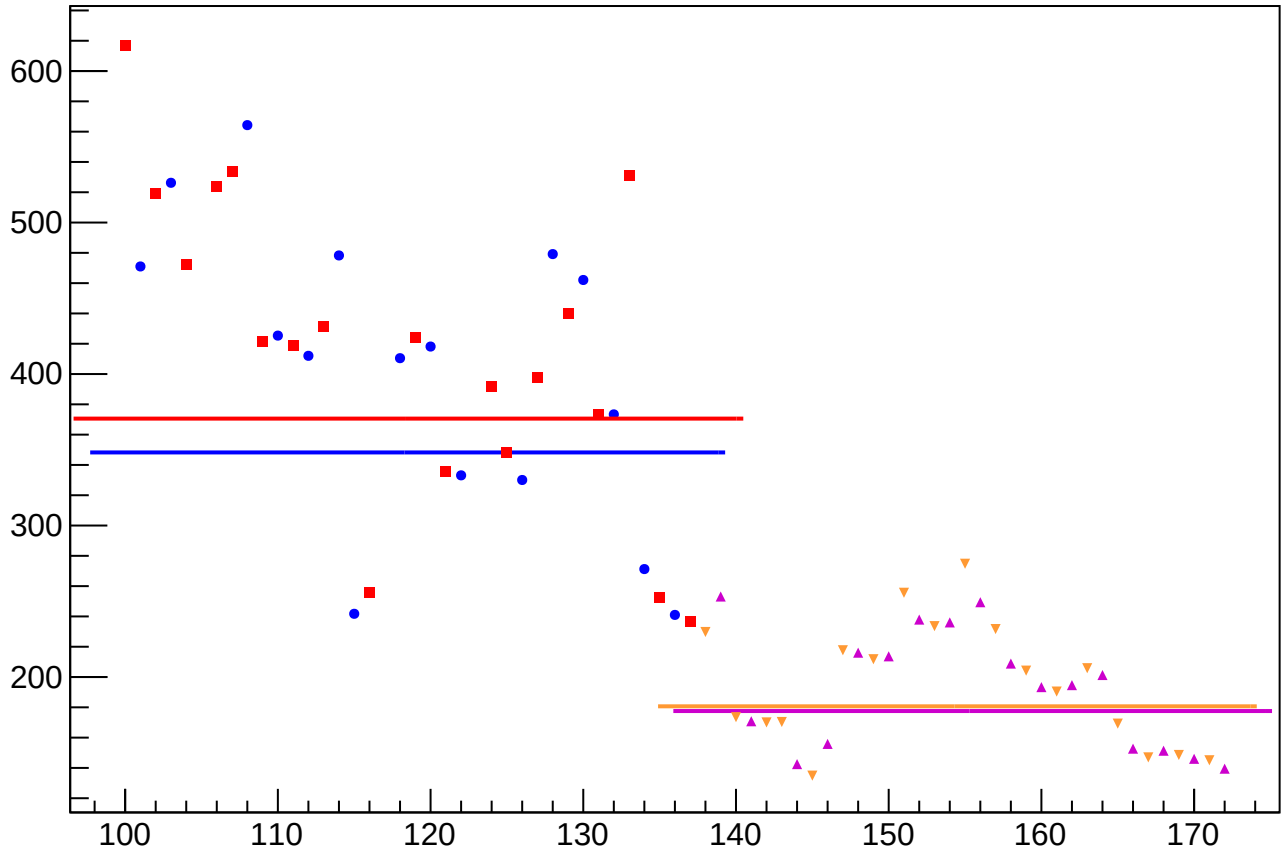
Left: -107.258+/-34.495 χ^2/NDF: 85.6/34

Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -23.239+/-45.680 χ^2/NDF:39.0/32

Out: -169.658+/-46.300 χ^2/NDF:80.6/36

All: -95.462+/-32.518 χ^2/NDF: 124.7/69



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 180.667+/-0.035 χ^2/NDF:1164781.9/17

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 177.549+/-0.034 χ^2/NDF:1108903.7/16

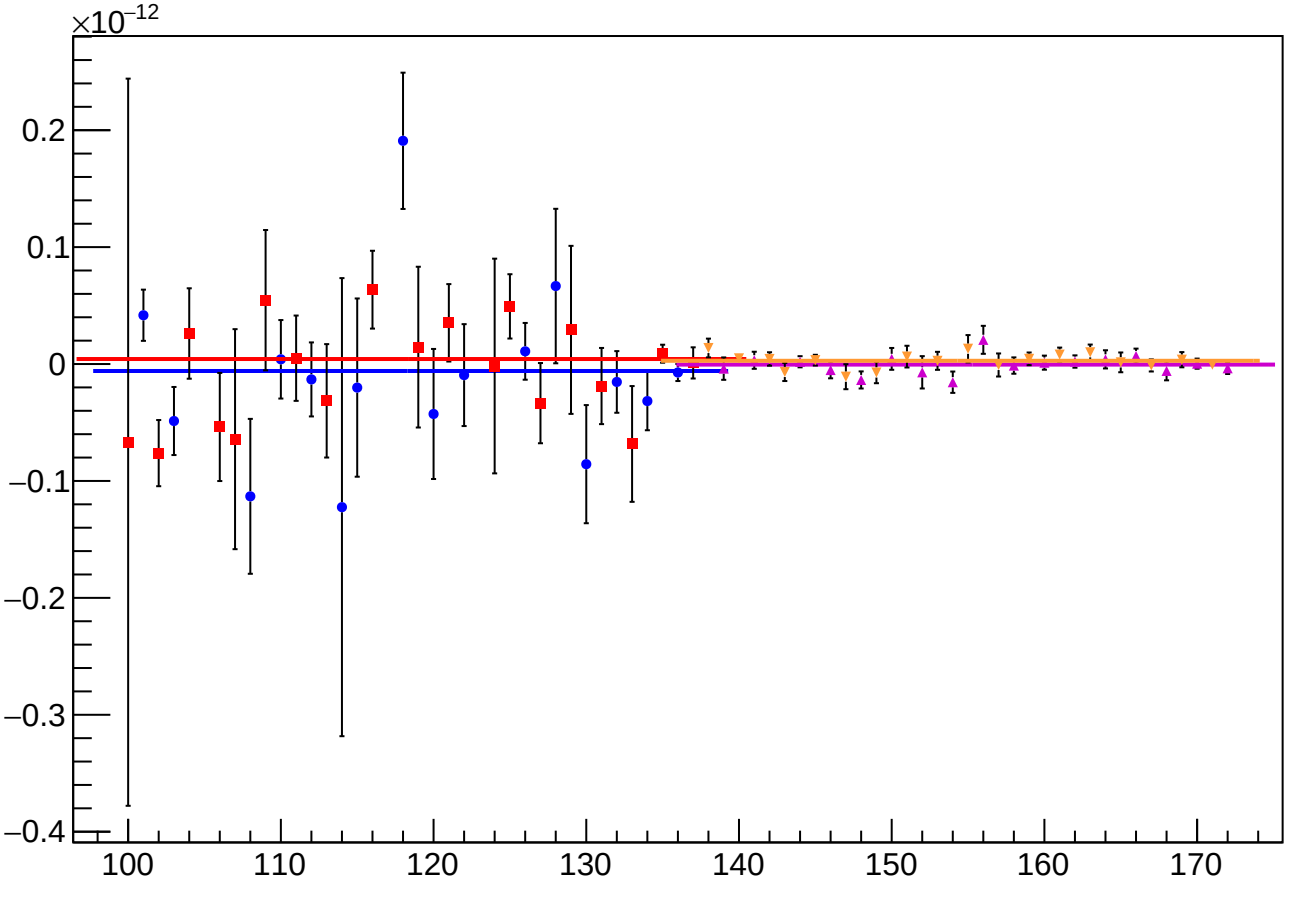
Left: 179.091+/-0.024 χ^2/NDF: 2277769.2/34

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 196.993+/-0.032 χ^2/NDF:4984659.8/32

Out: 201.316+/-0.033 χ^2/NDF:5343735.5/36

All: 199.125+/-0.023 χ^2/NDF: 10337229.1/69



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.2/17

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: 27.0/34

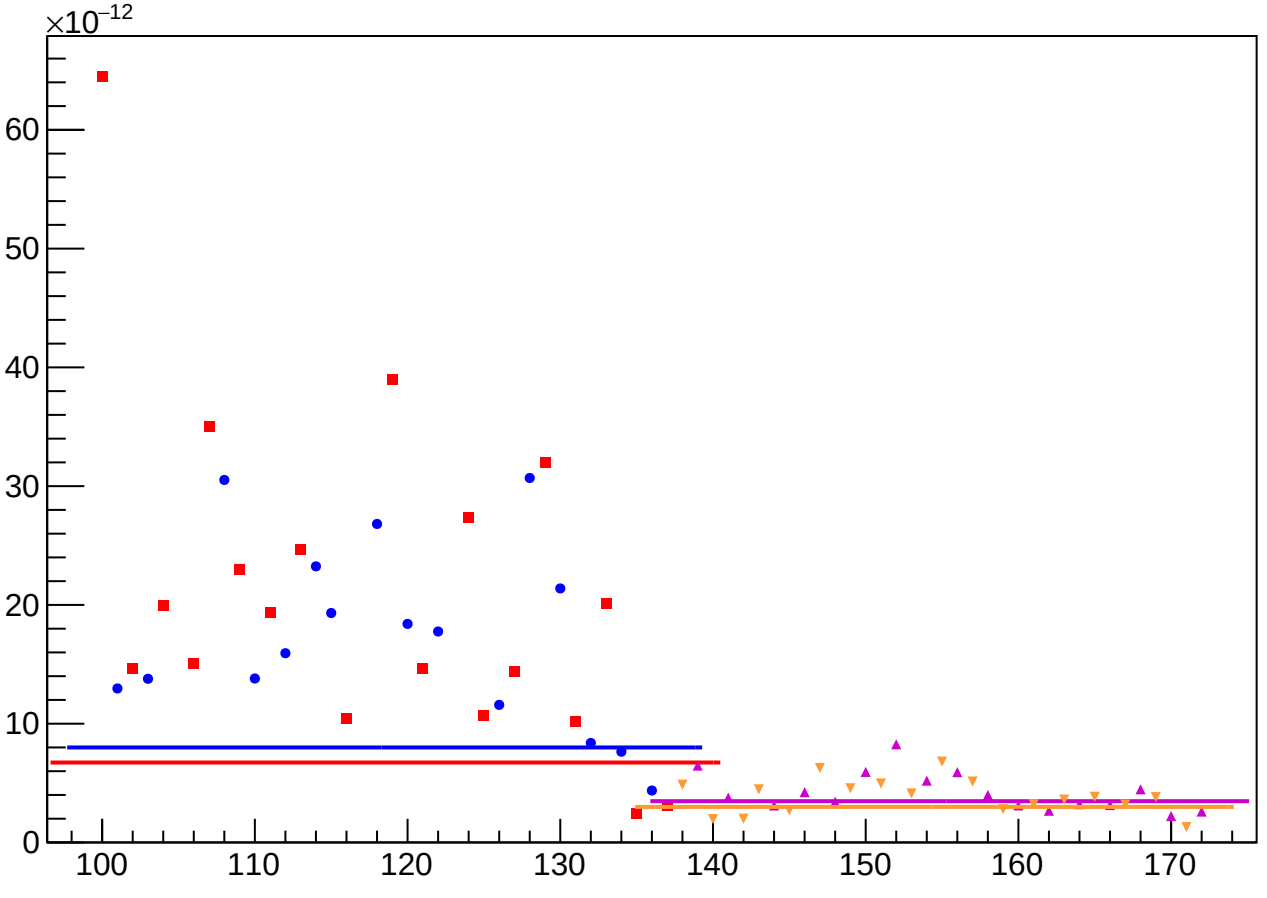
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:41.7/32

Out: 0.000+/-0.000 χ^2/NDF:34.2/36

All: 0.000+/-0.000 χ^2/NDF: 79.2/69

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:1618754.9/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3379574.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1100785.8/16

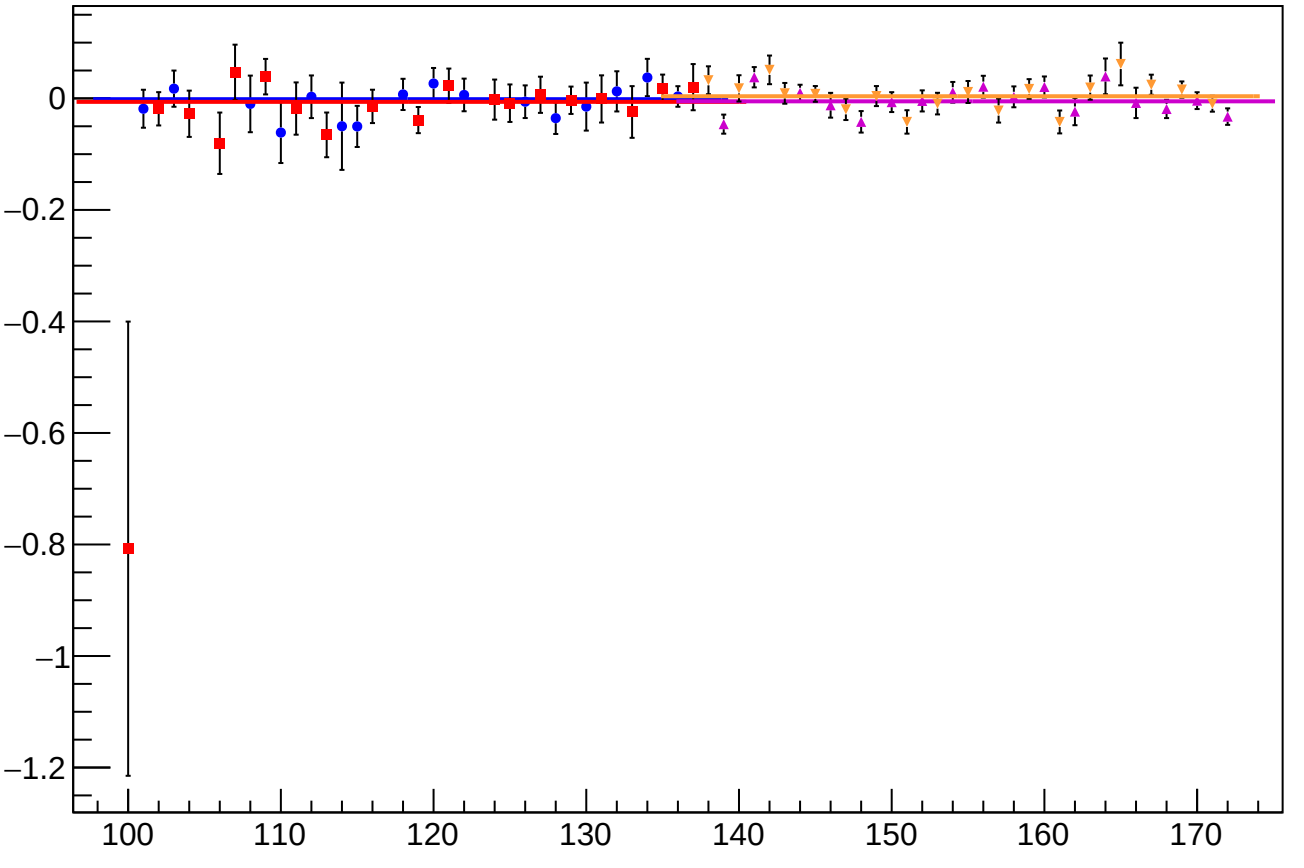
Left: 0.000+/-0.000 χ^2/NDF: 2819375.9/34

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:5846069.6/36

All: 0.000+/-0.000 χ^2/NDF: 10222860.0/69



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:24.8/17

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: 54.4/34

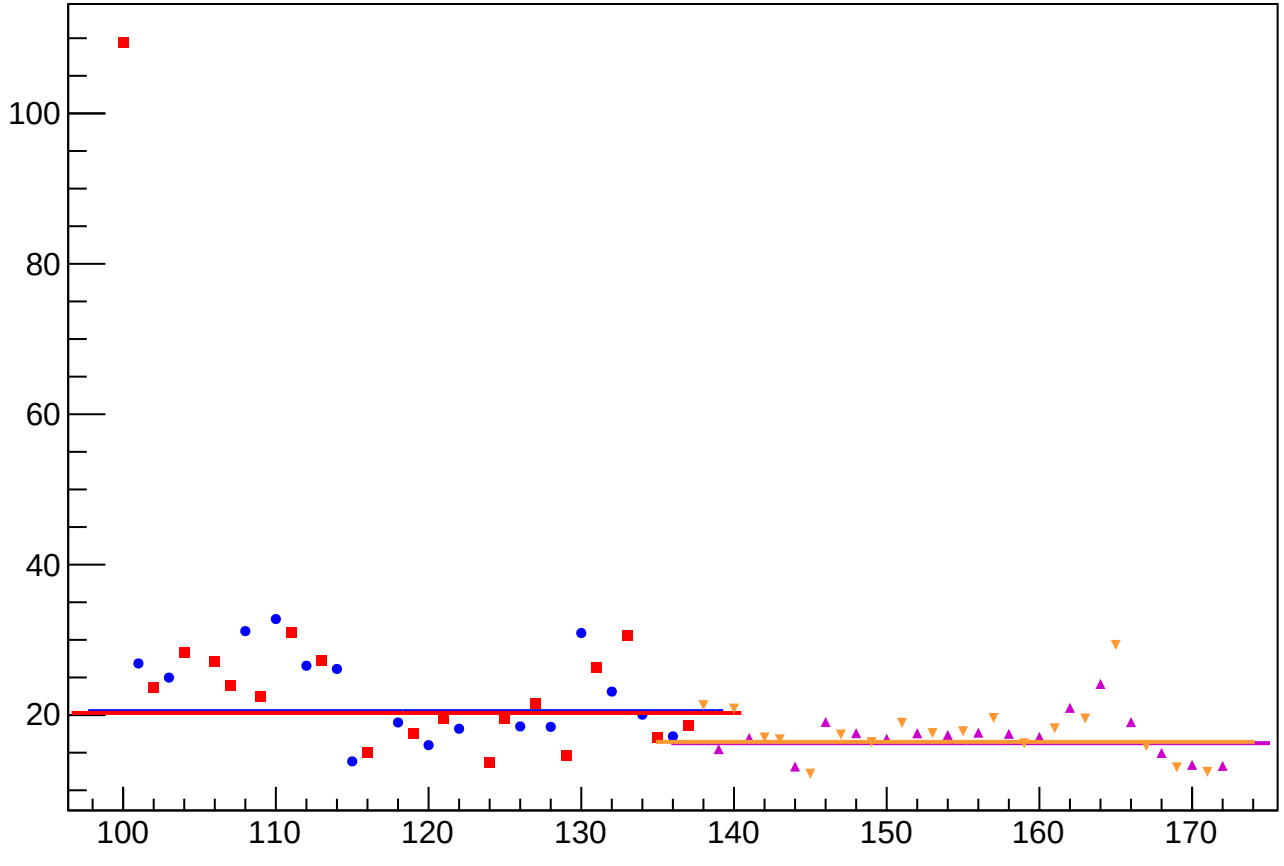
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.004 χ^2/NDF:36.0/32

Out: 0.001+/-0.004 χ^2/NDF:42.3/36

All: -0.001+/-0.003 χ^2/NDF: 79.3/69

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: 16.437+/-0.003 χ^2/NDF:972095.7/17

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: 16.352+/-0.002 χ^2/NDF: 1541104.7/34

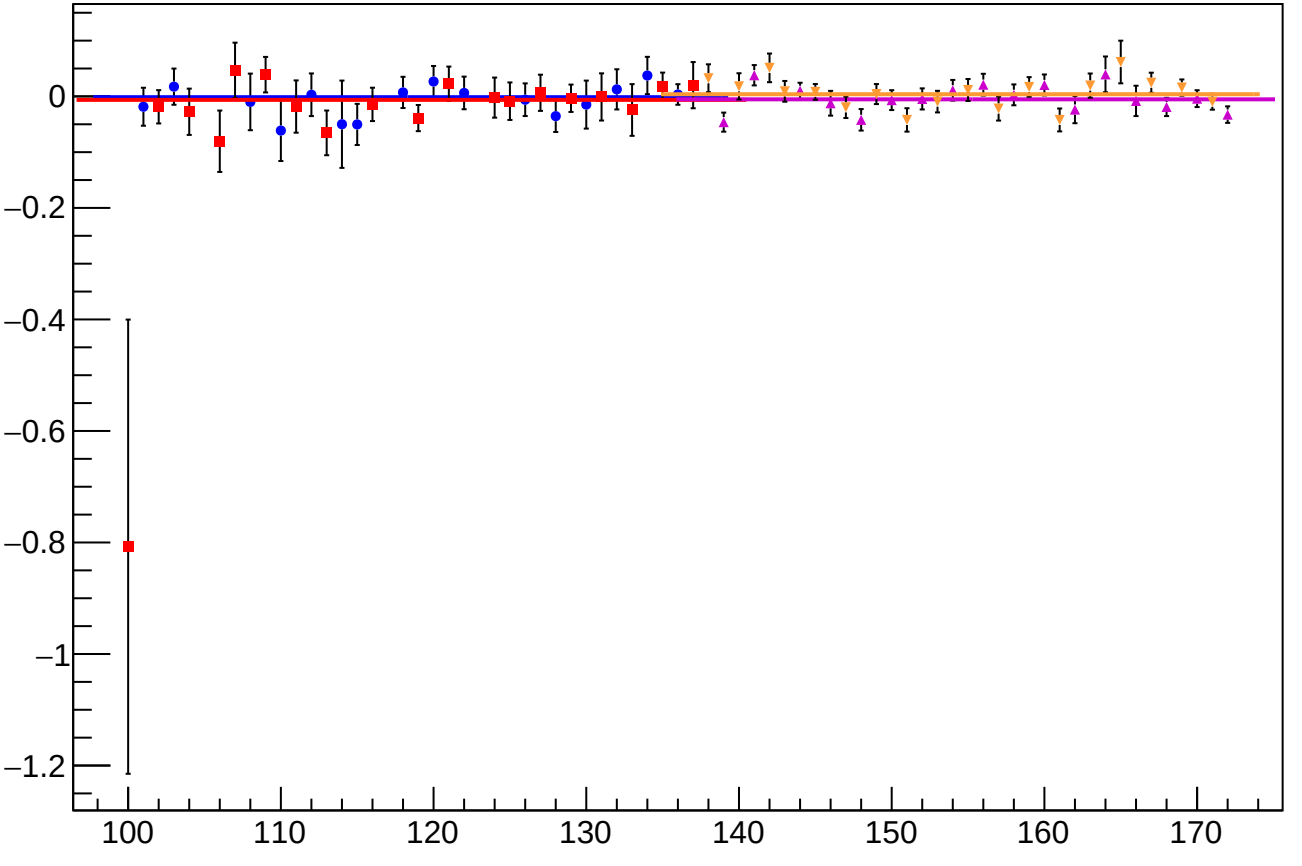
Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.273+/-0.003 χ^2/NDF:1699039.3/32

Out: 17.381+/-0.003 χ^2/NDF:2195305.6/36

All: 17.327+/-0.002 χ^2/NDF: 3895116.9/69

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:24.8/17

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: 54.4/34

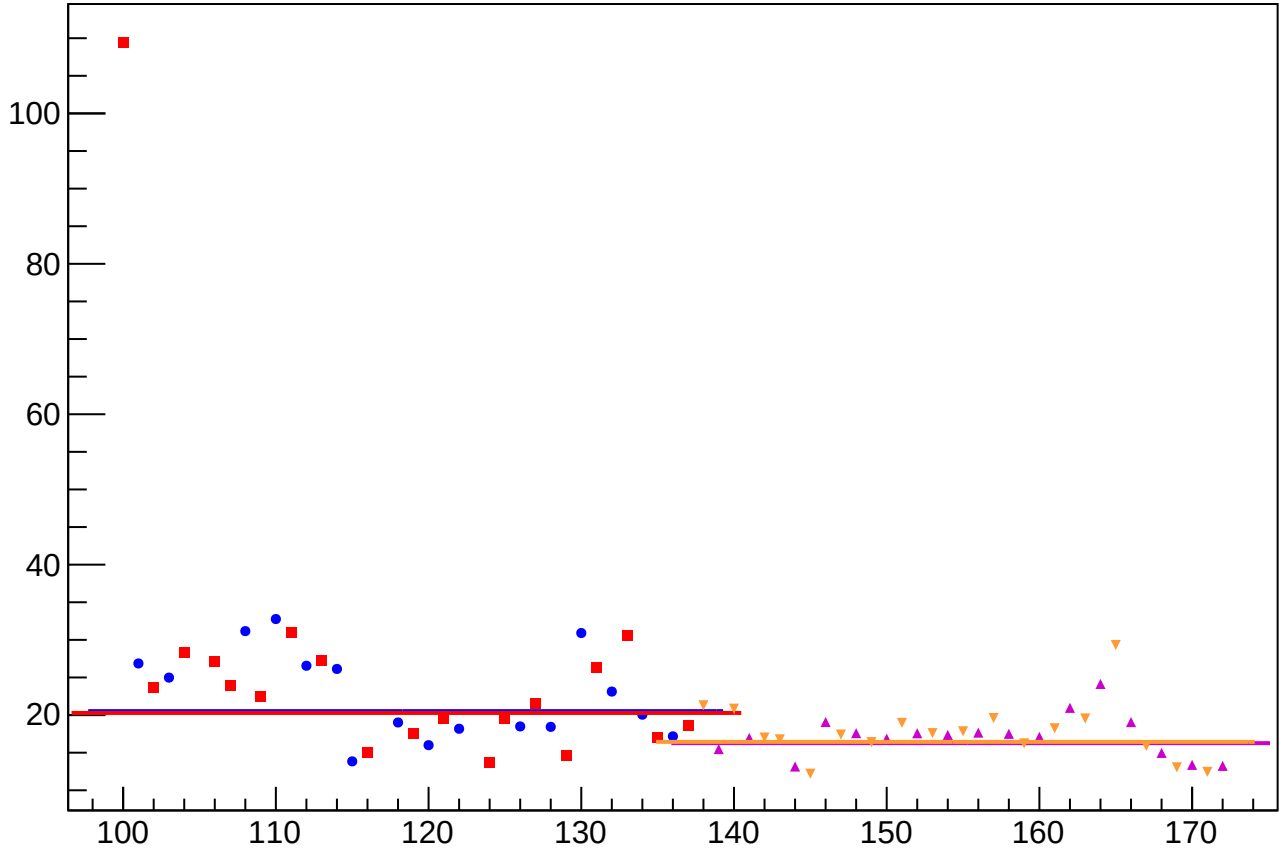
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.004 χ^2/NDF:36.0/32

Out: 0.001+/-0.004 χ^2/NDF:42.3/36

All: -0.001+/-0.003 χ^2/NDF: 79.3/69

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: 16.437+/-0.003 χ^2/NDF:972095.7/17

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.268+/-0.003 χ^2/NDF:567604.8/16

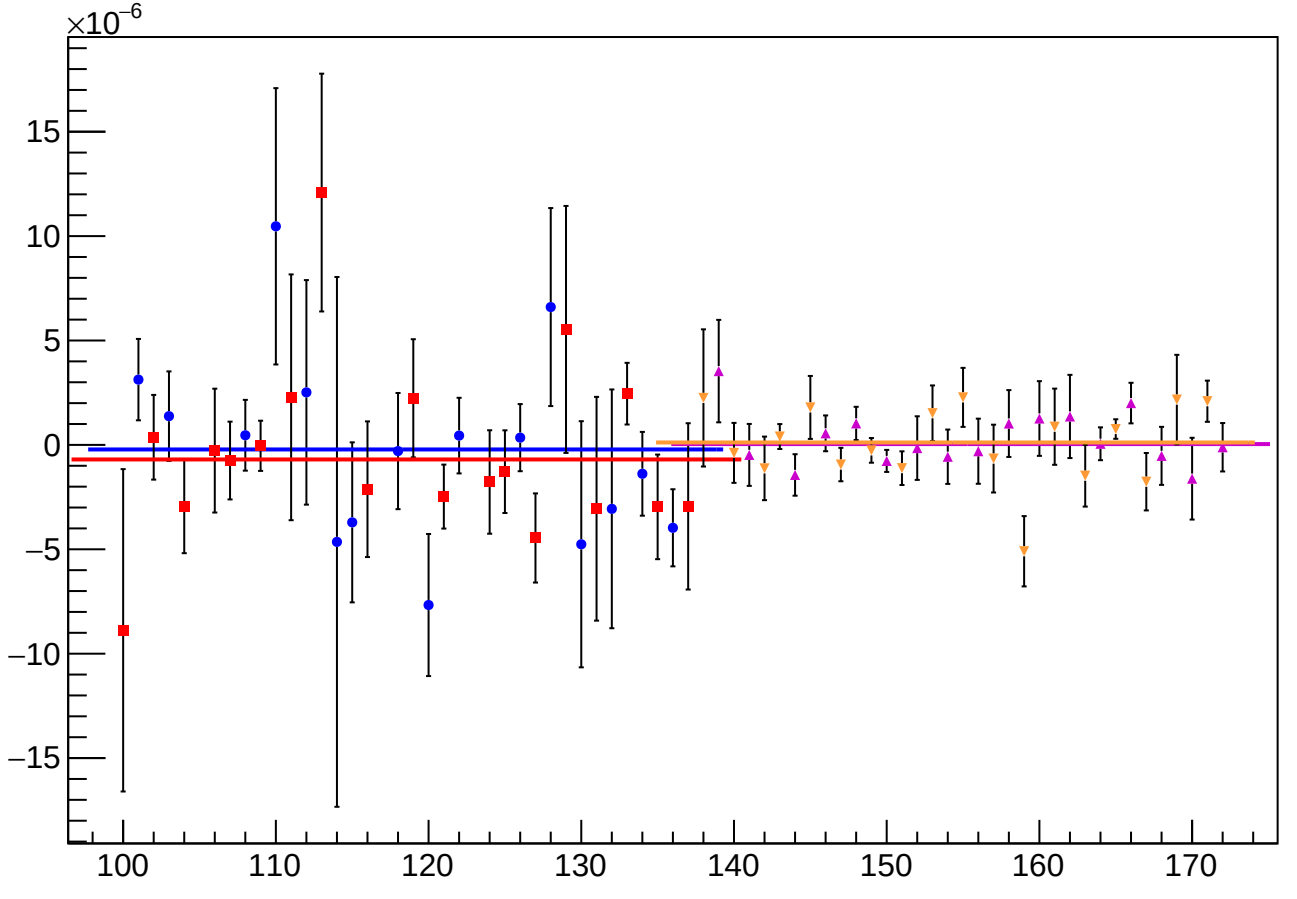
Left: 16.352+/-0.002 χ^2/NDF: 1541104.7/34

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.273+/-0.003 χ^2/NDF:1699039.3/32

Out: 17.381+/-0.003 χ^2/NDF:2195305.6/36

All: 17.327+/-0.002 χ^2/NDF: 3895116.9/69



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.4/17

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: 45.6/34

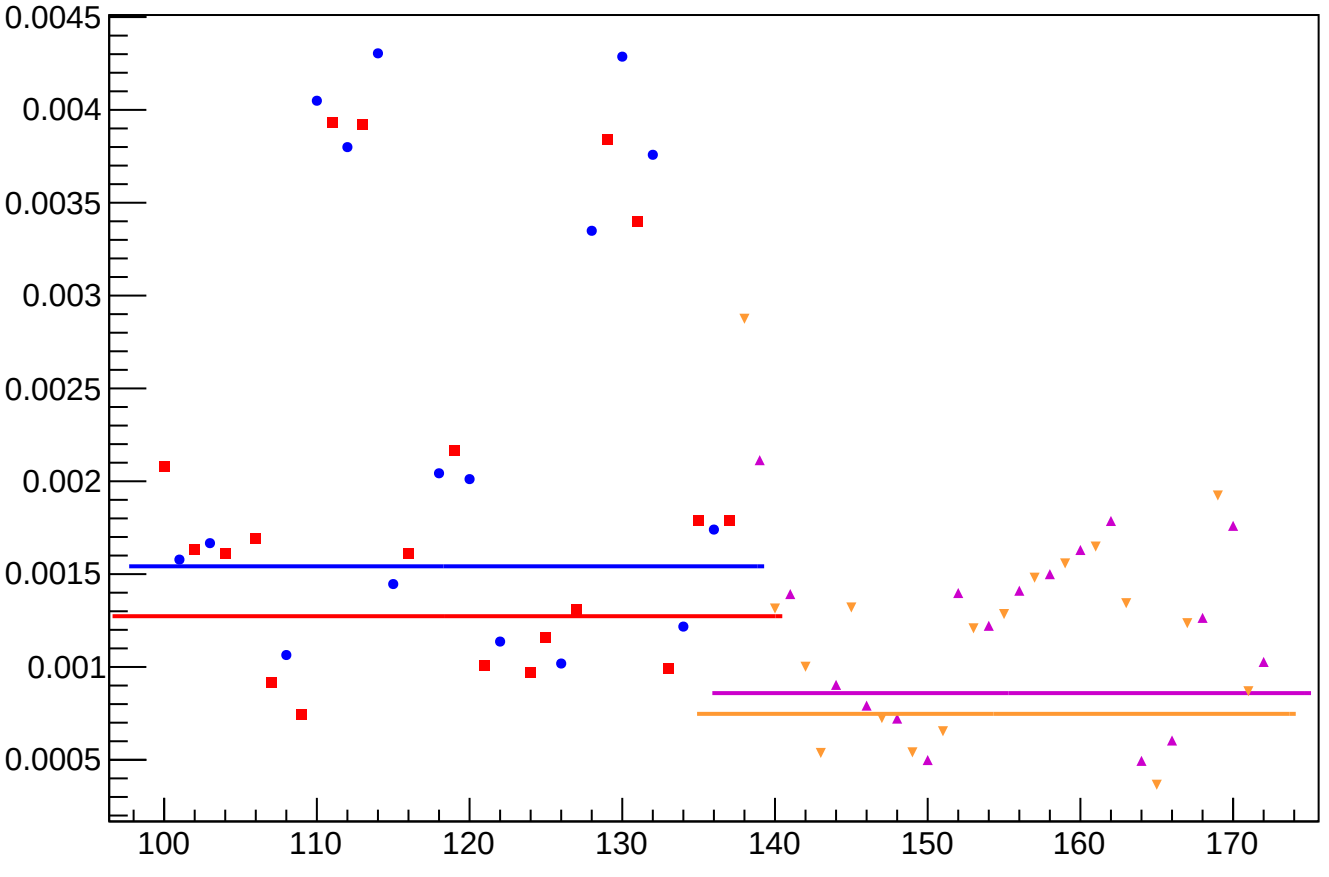
Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: 0.000+/-0.000 χ^2/NDF:35.2/32

Out: -0.000+/-0.000 χ^2/NDF:53.4/36

All: -0.000+/-0.000 χ^2/NDF: 88.7/69

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:6445938.6/17

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: 11428125.4/34

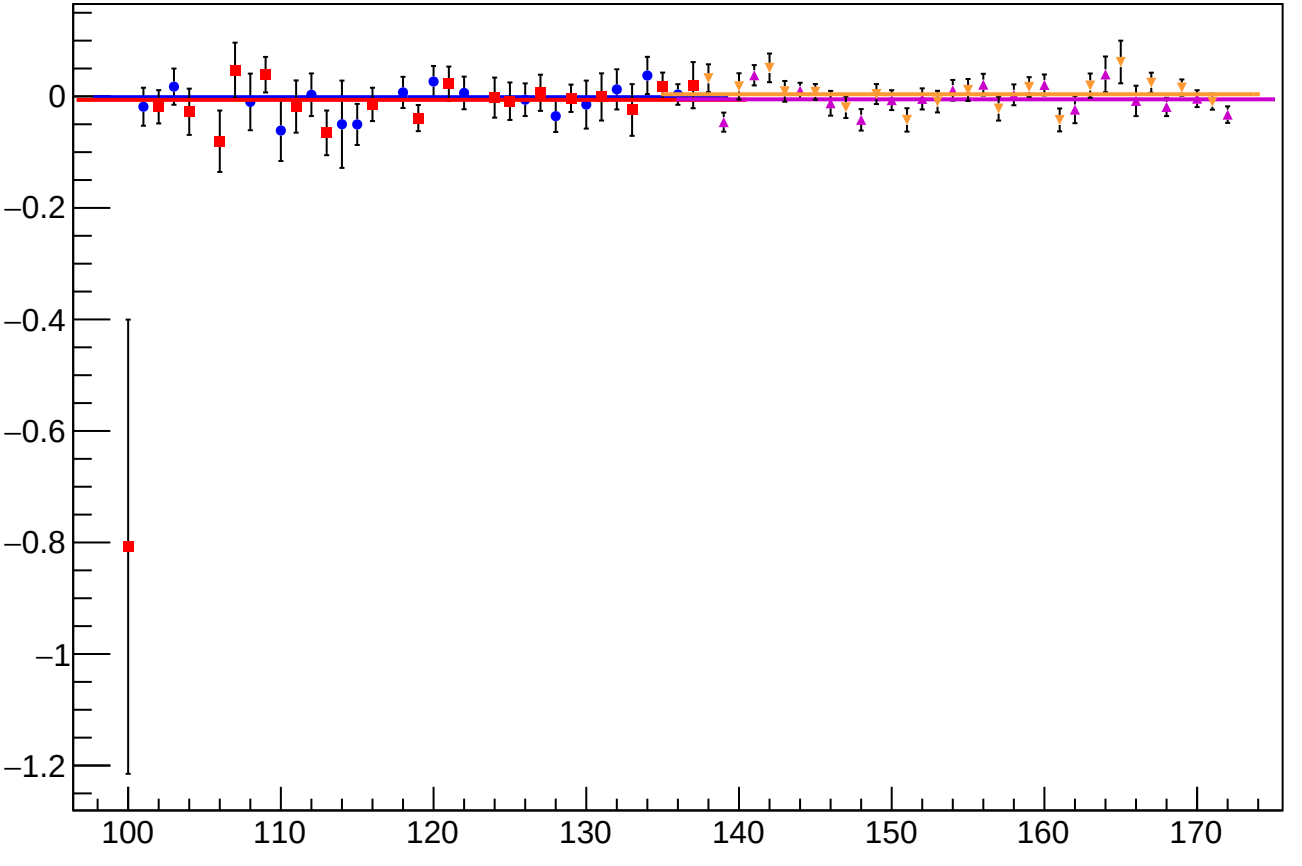
Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:9194553.9/32

Out: 0.001+/-0.000 χ^2/NDF:10804247.0/36

All: 0.001+/-0.000 χ^2/NDF: 20315175.9/69

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:24.8/17

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: 54.4/34

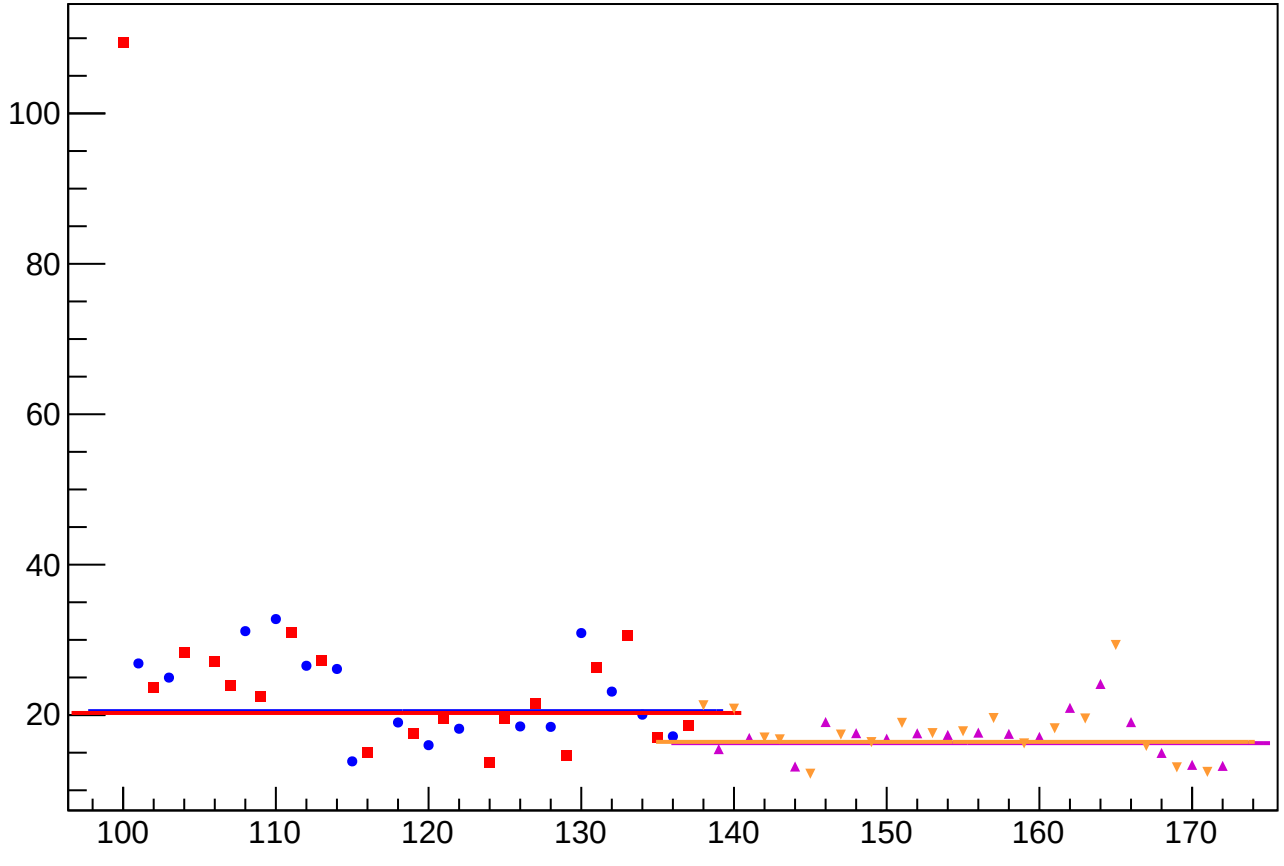
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.004 χ^2/NDF:36.0/32

Out: 0.001+/-0.004 χ^2/NDF:42.3/36

All: -0.001+/-0.003 χ^2/NDF: 79.3/69

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: 16.437+/-0.003 χ^2/NDF:972030.9/17

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: 16.352+/-0.002 χ^2/NDF: 1541055.2/34

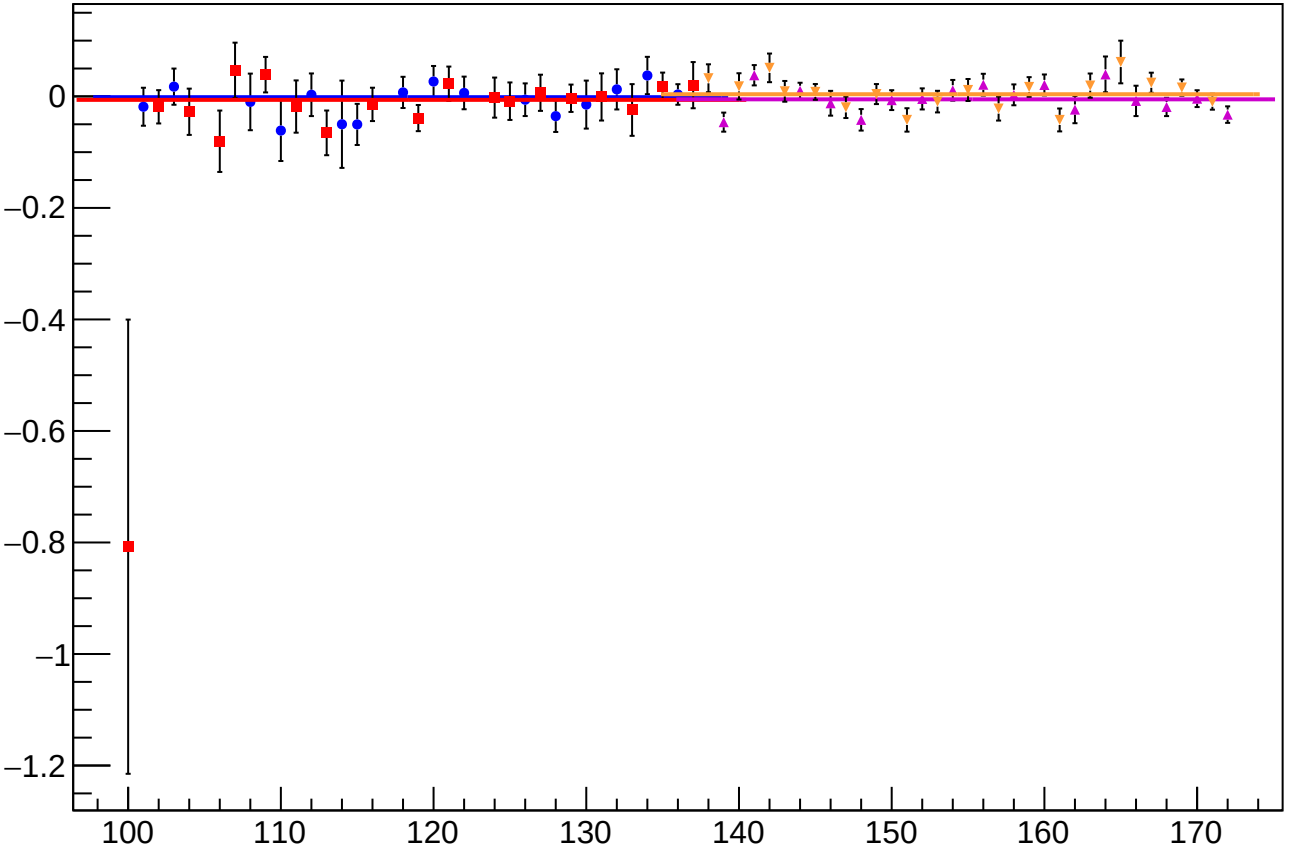
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.272+/-0.003 χ^2/NDF:1698811.5/32

Out: 17.381+/-0.003 χ^2/NDF:2195093.2/36

All: 17.327+/-0.002 χ^2/NDF: 3894677.3/69

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.004+/-0.004 χ^2/NDF:24.8/17

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: 54.4/34

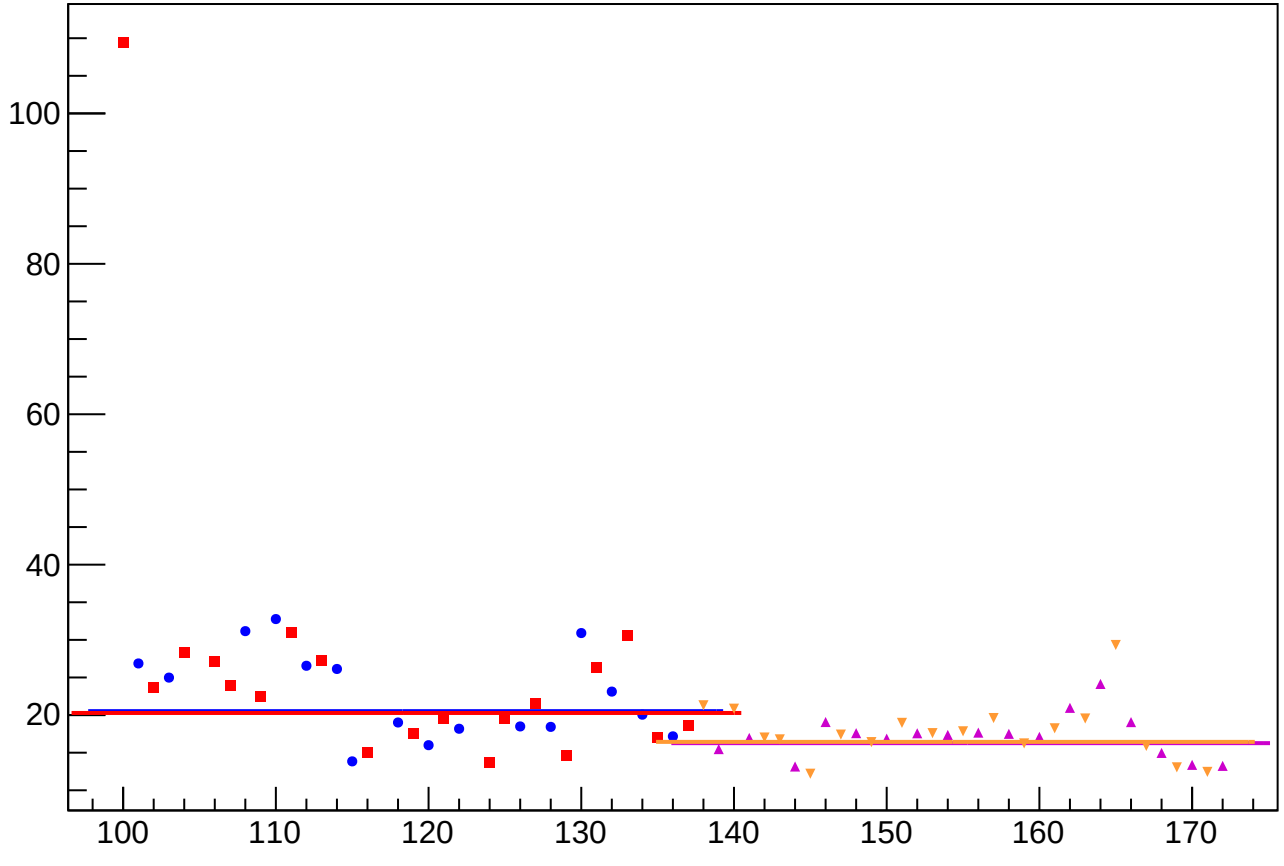
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.004+/-0.004 χ^2/NDF:36.0/32

Out: 0.001+/-0.004 χ^2/NDF:42.3/36

All: -0.001+/-0.003 χ^2/NDF: 79.3/69

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: 16.437+/-0.003 χ^2/NDF:972030.9/17

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.268+/-0.003 χ^2/NDF:567618.5/16

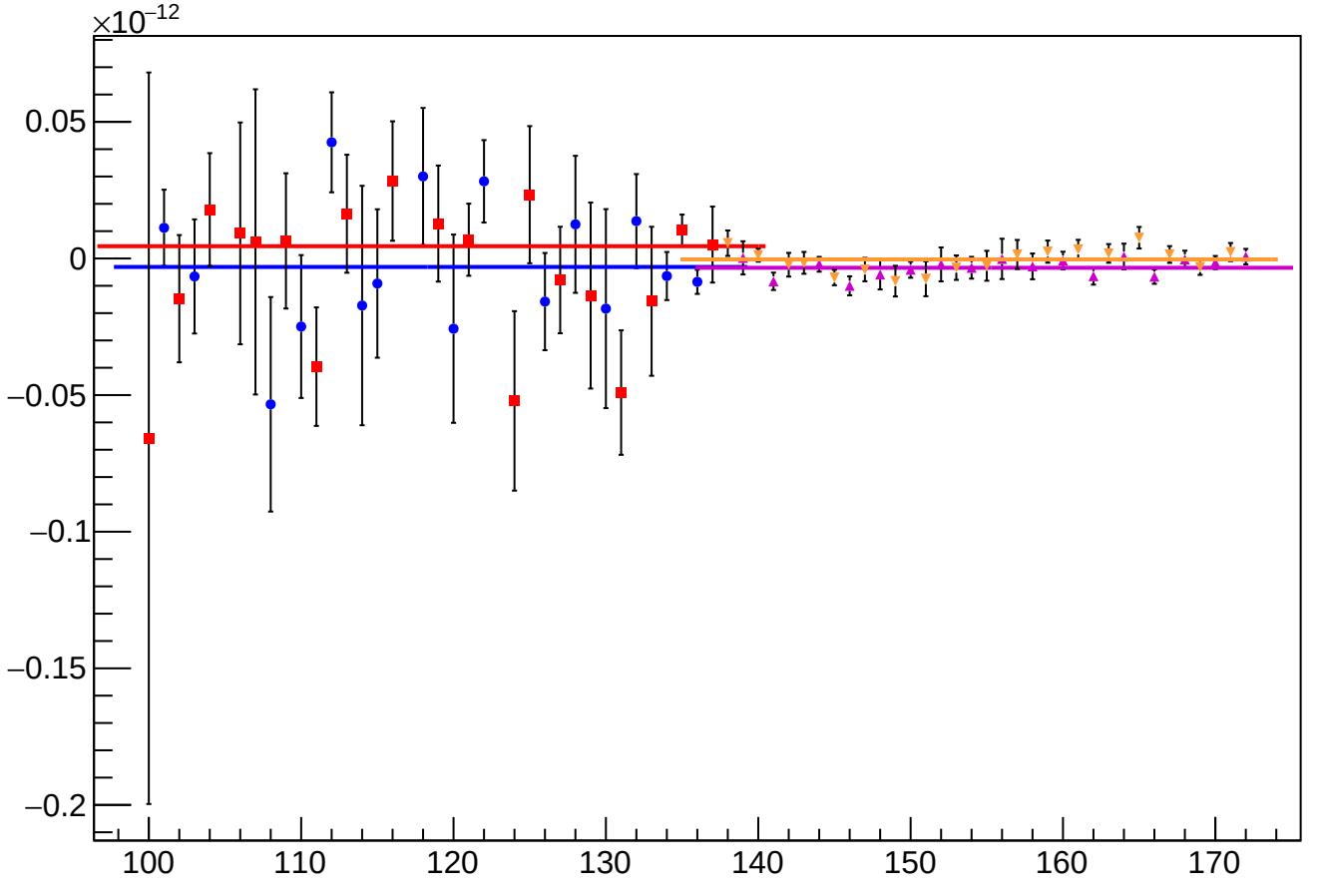
Left: 16.352+/-0.002 χ^2/NDF: 1541055.2/34

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.272+/-0.003 χ^2/NDF:1698811.5/32

Out: 17.381+/-0.003 χ^2/NDF:2195093.2/36

All: 17.327+/-0.002 χ^2/NDF: 3894677.3/69



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

Left In: -0.000+/-0.000 χ^2/NDF:14.7/16

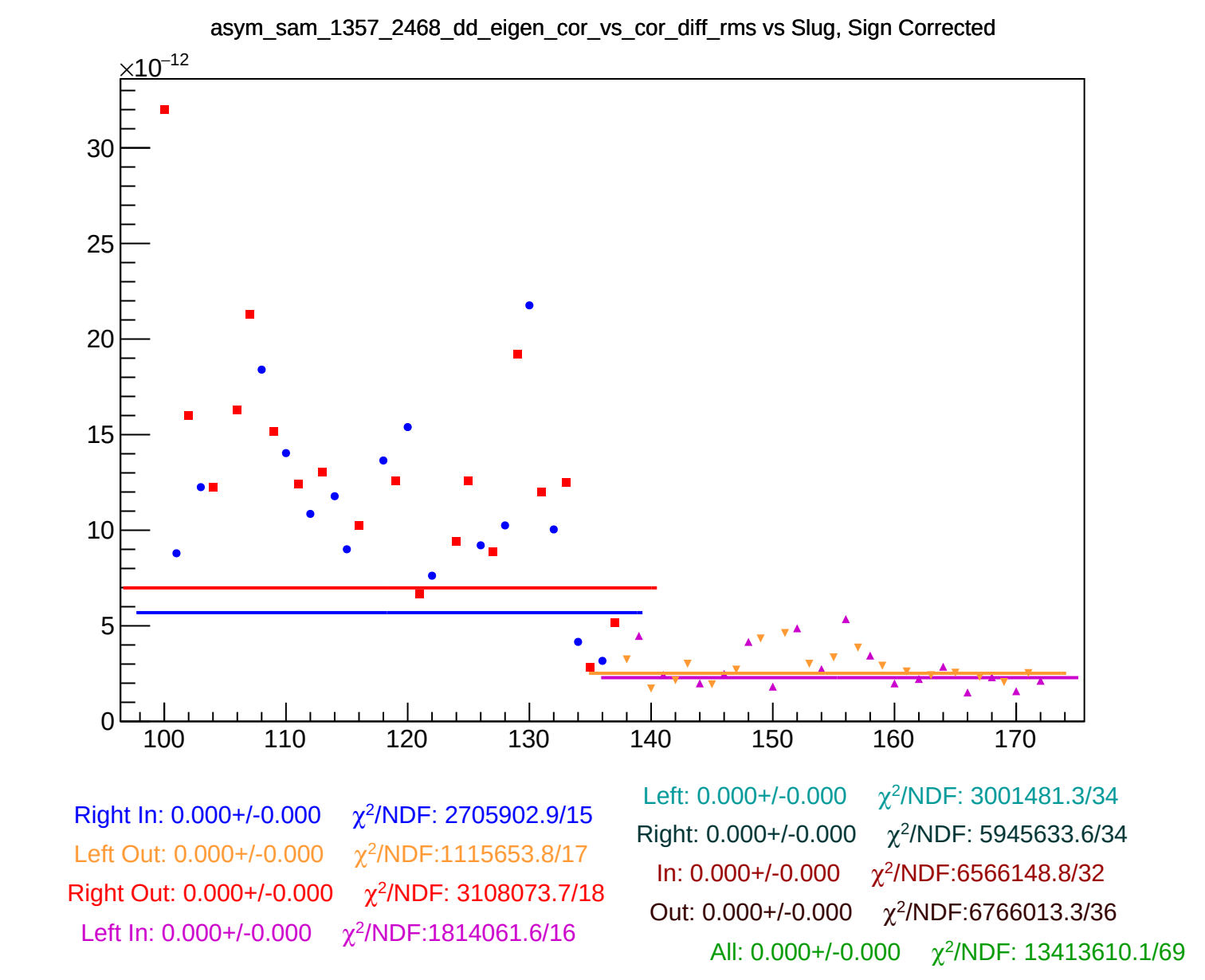
Left: -0.000+/-0.000 χ^2/NDF: 41.7/34

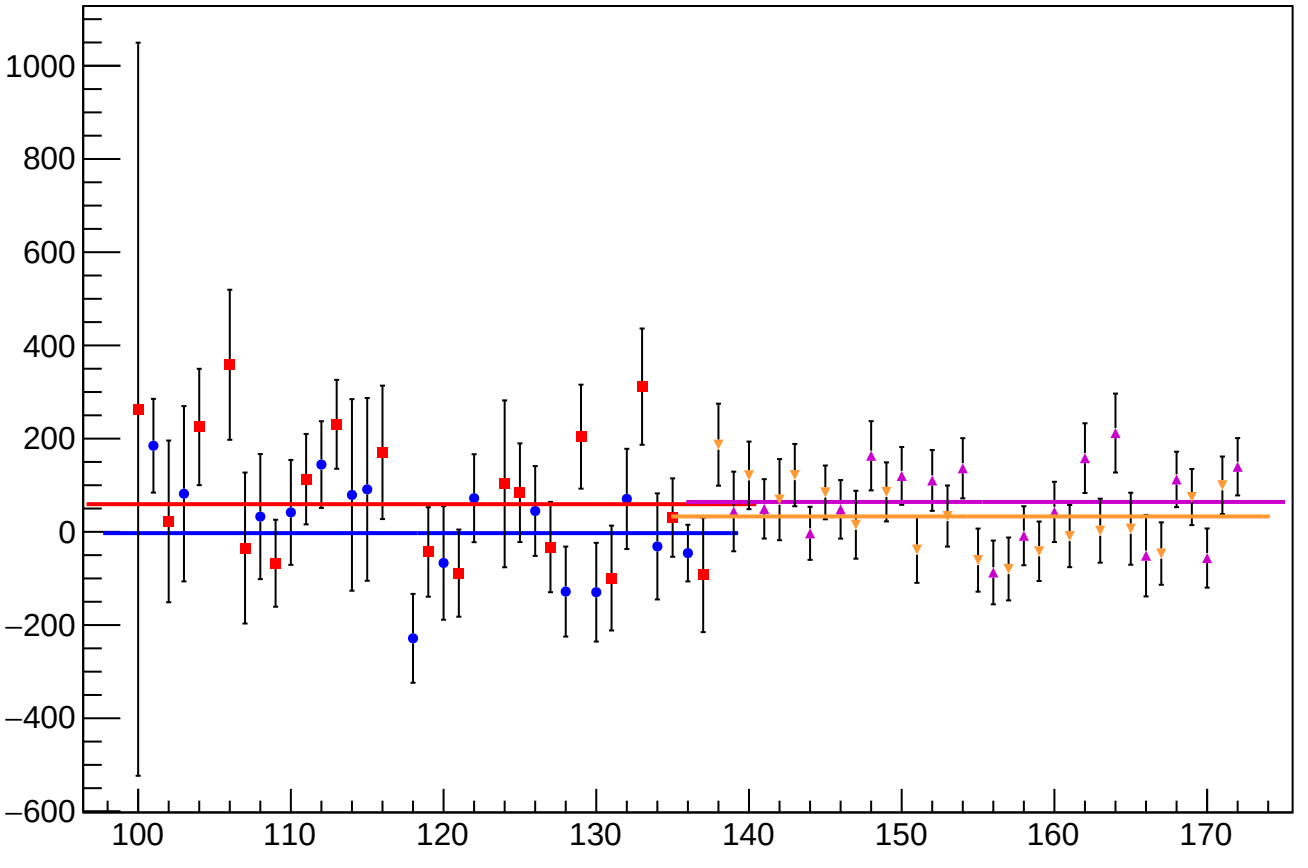
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:34.7/32

Out: -0.000+/-0.000 χ^2/NDF:40.6/36

All: -0.000+/-0.000 χ^2/NDF: 83.2/69


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2705902.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1115653.8/17
Right Out: 0.000+/-0.000 χ²/NDF: 3108073.7/18
Left In: 0.000+/-0.000 χ²/NDF:1814061.6/16
Left: 0.000+/-0.000 χ²/NDF: 3001481.3/34
Right: 0.000+/-0.000 χ²/NDF: 5945633.6/34
In: 0.000+/-0.000 χ²/NDF:6566148.8/32
Out: 0.000+/-0.000 χ²/NDF:6766013.3/36
All: 0.000+/-0.000 χ²/NDF: 13413610.1/69



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 33.064+/-16.031 χ^2/NDF:18.9/17

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 64.122+/-16.203 χ^2/NDF:24.4/16

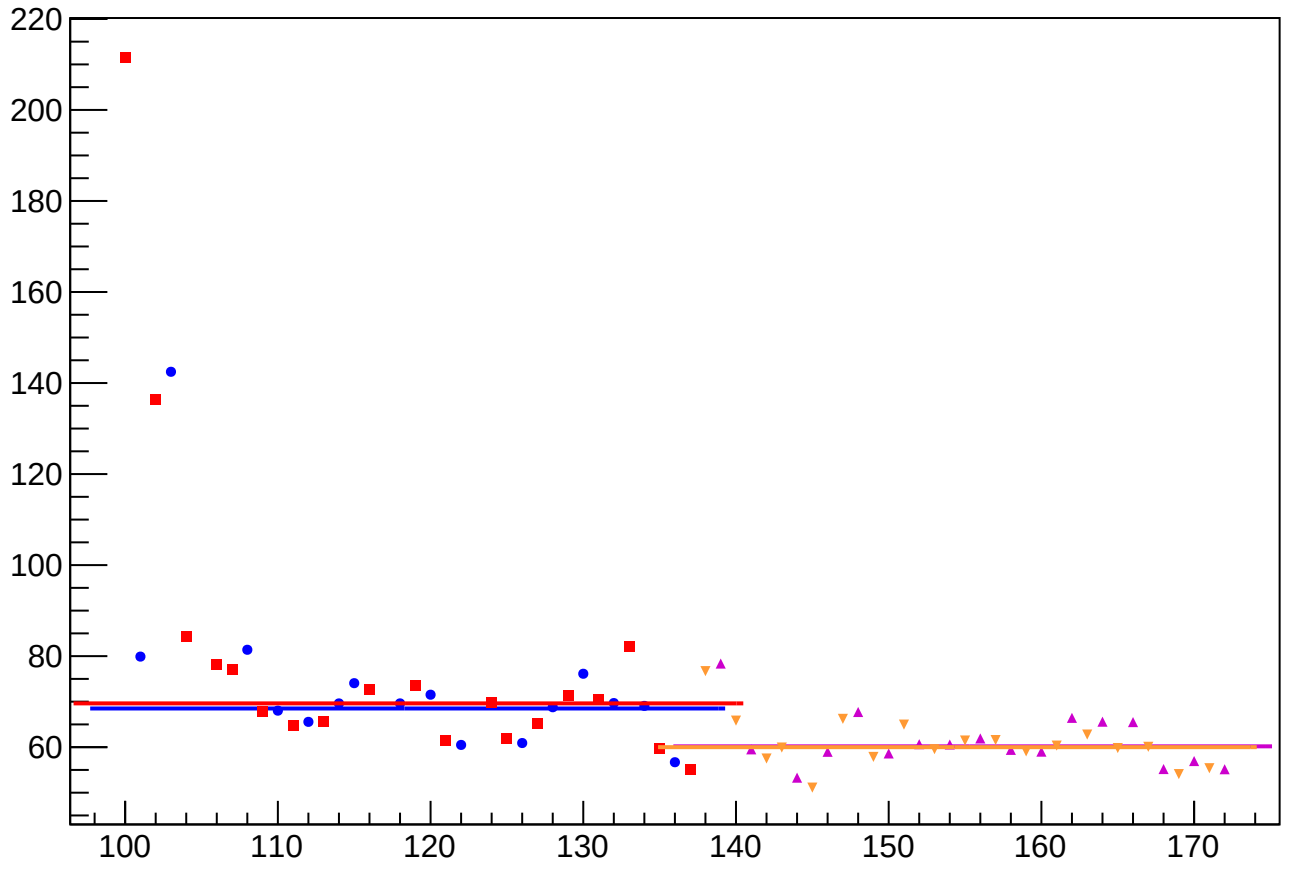
Left: 48.427+/-11.396 χ^2/NDF: 45.1/34

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 45.630+/-13.783 χ^2/NDF:46.8/32

Out: 40.152+/-13.700 χ^2/NDF:45.3/36

All: 42.875+/-9.716 χ^2/NDF: 92.2/69



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 60.002+/-0.011 χ^2/NDF:197025.4/17

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: 60.092+/-0.008 χ^2/NDF: 404563.4/34

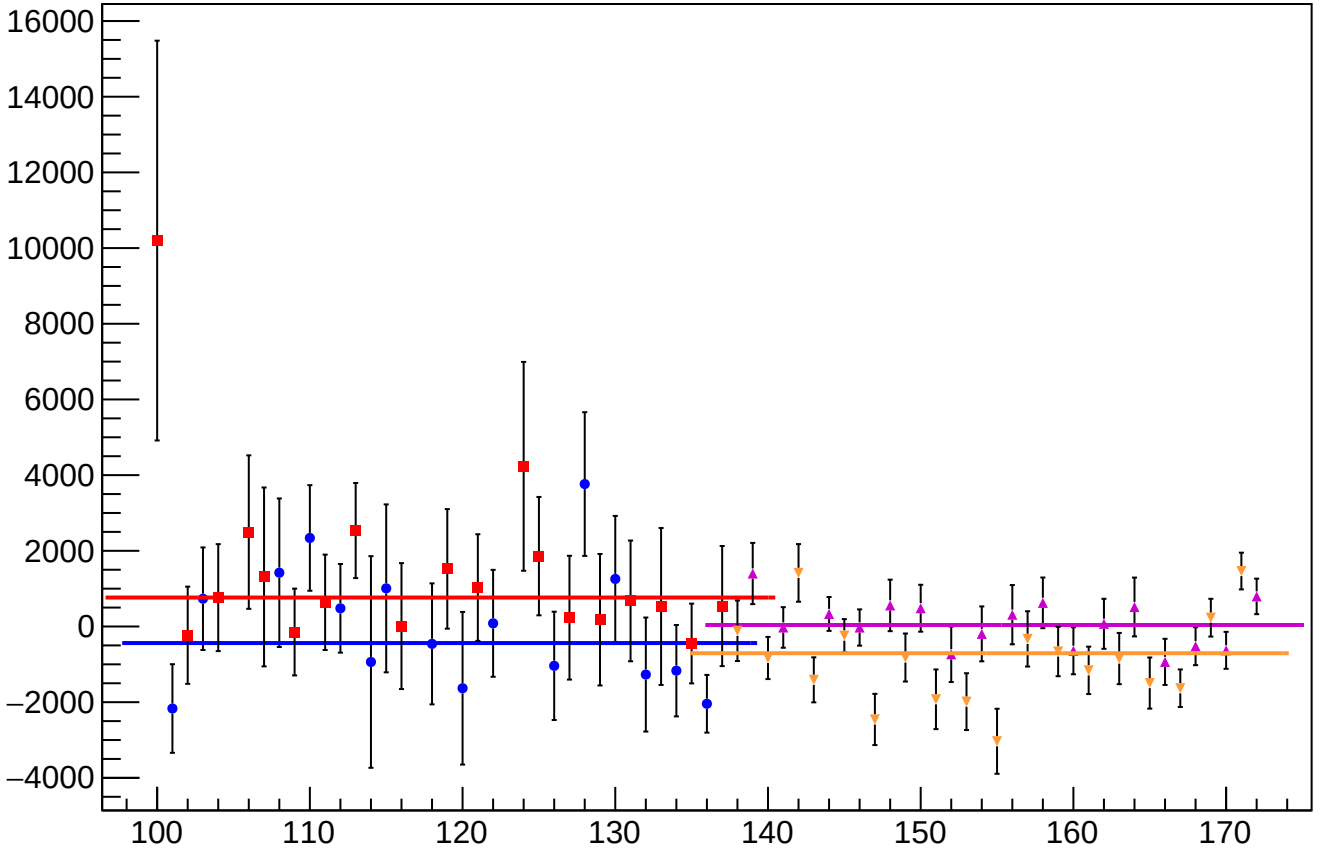
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 62.483+/-0.010 χ^2/NDF:824874.7/32

Out: 62.595+/-0.010 χ^2/NDF:911567.5/36

All: 62.539+/-0.007 χ^2/NDF: 1736509.5/69

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: -706.117+/-145.170 χ^2/NDF:59.5/17

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: -328.417+/-101.990 χ^2/NDF: 89.2/34

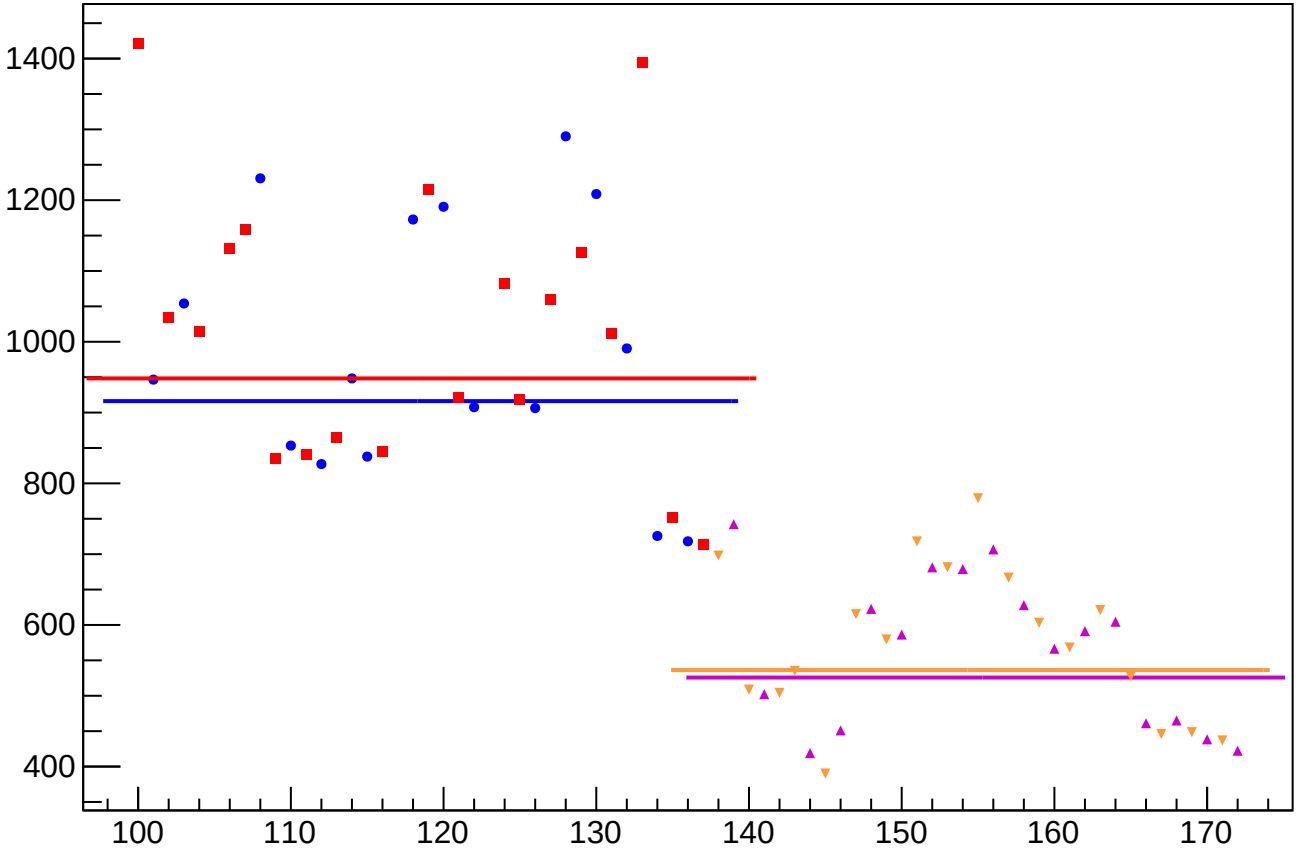
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: -29.187+/-132.568 χ^2/NDF:38.5/32

Out: -493.311+/-134.263 χ^2/NDF:85.7/36

All: -258.302+/-94.333 χ^2/NDF: 130.2/69

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: 536.319+/-0.103 χ^2/NDF:1025497.7/17

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 525.732+/-0.101 χ^2/NDF:963289.9/16

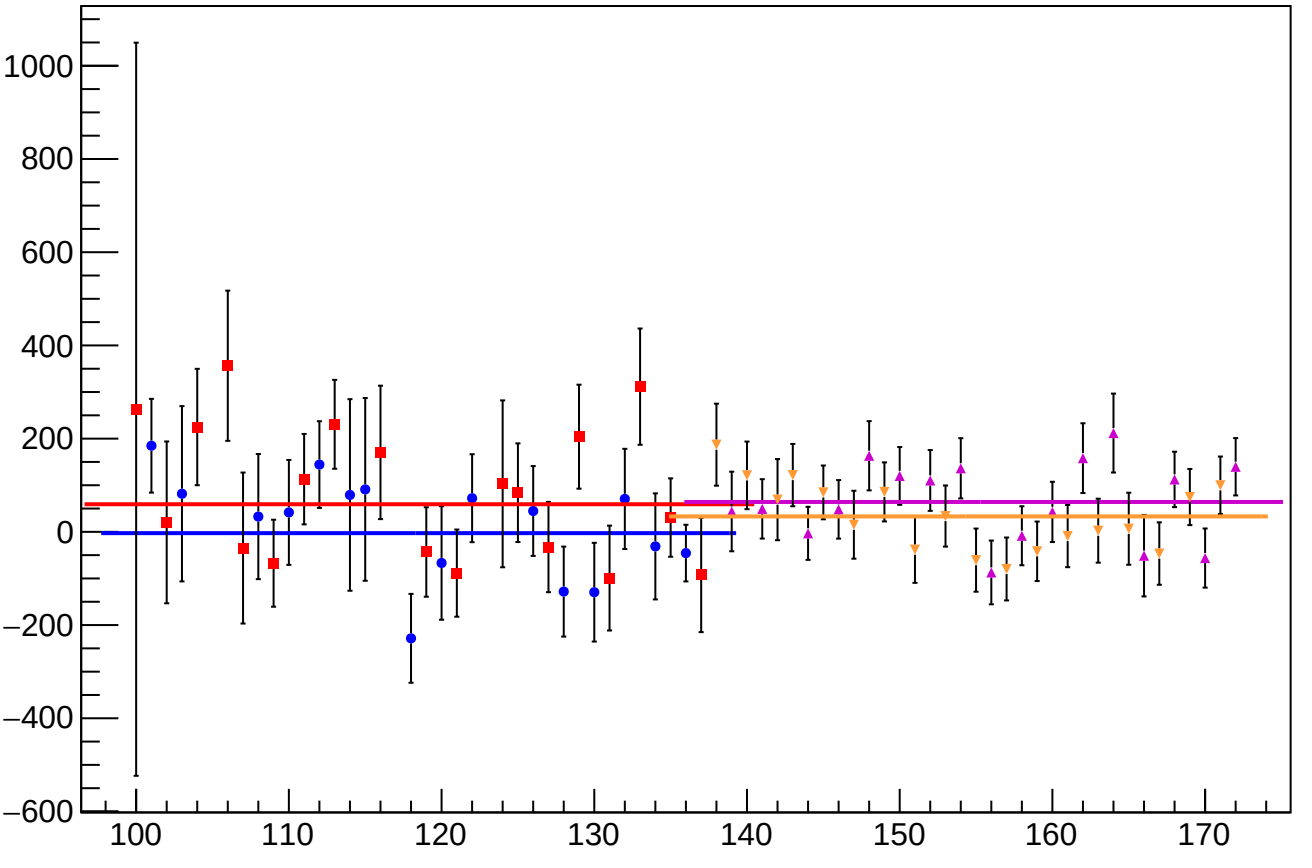
Left: 530.958+/-0.072 χ^2/NDF: 1994174.8/34

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 582.106+/-0.094 χ^2/NDF:3615609.7/32

Out: 595.892+/-0.095 χ^2/NDF:3769465.4/36

All: 588.911+/-0.067 χ^2/NDF: 7395750.8/69



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 33.066+/-16.031 χ^2/NDF:18.9/17

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 64.121+/-16.203 χ^2/NDF:24.4/16

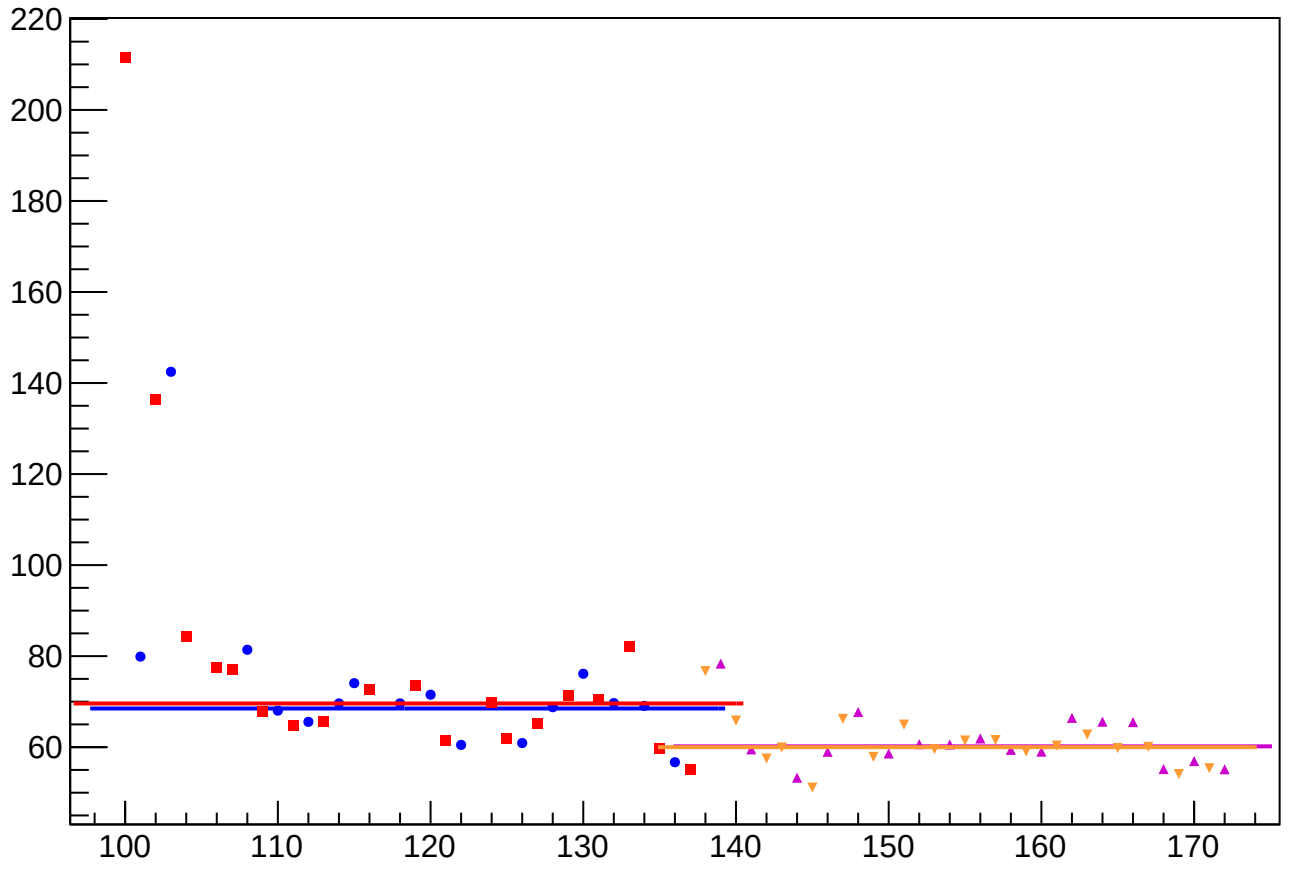
Left: 48.427+/-11.396 χ^2/NDF: 45.1/34

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 45.628+/-13.783 χ^2/NDF:46.8/32

Out: 40.120+/-13.700 χ^2/NDF:45.3/36

All: 42.857+/-9.716 χ^2/NDF: 92.1/69



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.002+/-0.011 χ^2/NDF:197025.4/17

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: 60.092+/-0.008 χ^2/NDF: 404563.4/34

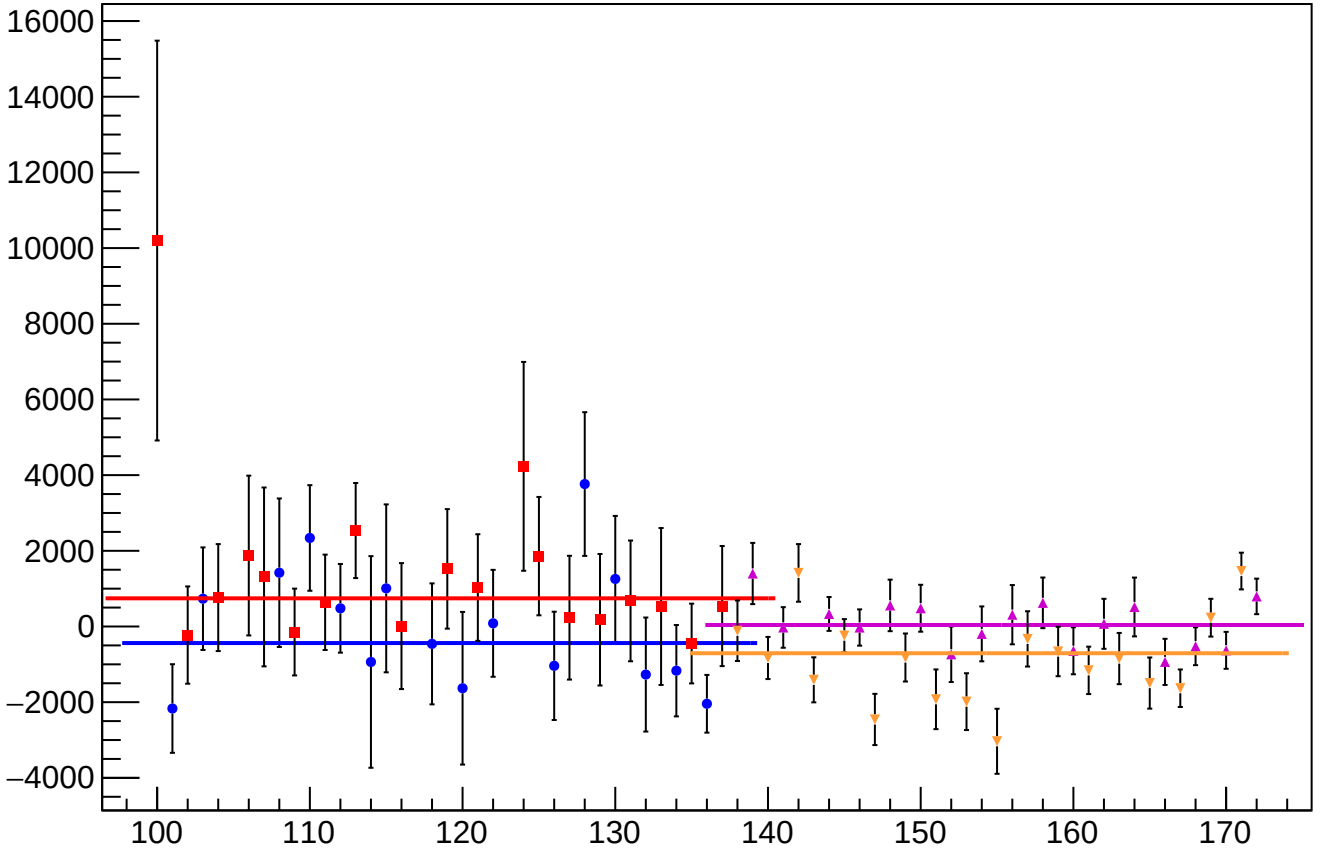
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 62.483+/-0.010 χ^2/NDF:824877.7/32

Out: 62.590+/-0.010 χ^2/NDF:910164.6/36

All: 62.536+/-0.007 χ^2/NDF: 1735103.2/69

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: -706.112+/-145.170 χ^2/NDF:59.5/17

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: -328.414+/-101.990 χ^2/NDF: 89.2/34

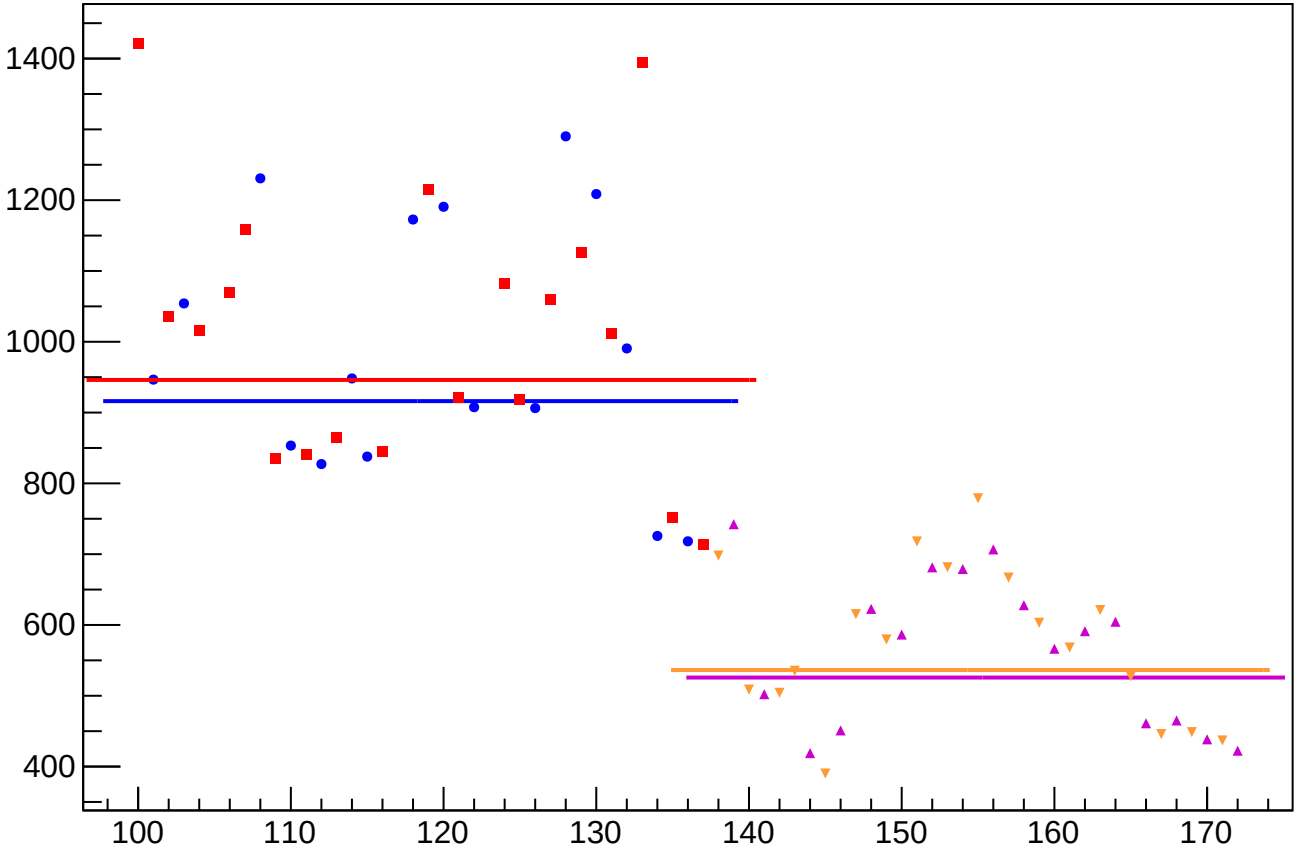
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -29.181+/-132.569 χ^2/NDF:38.5/32

Out: -496.780+/-134.287 χ^2/NDF:84.7/36

All: -259.970+/-94.342 χ^2/NDF: 129.4/69

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: 536.319+/-0.103 χ^2/NDF:1025502.1/17

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 525.732+/-0.101 χ^2/NDF:963288.5/16

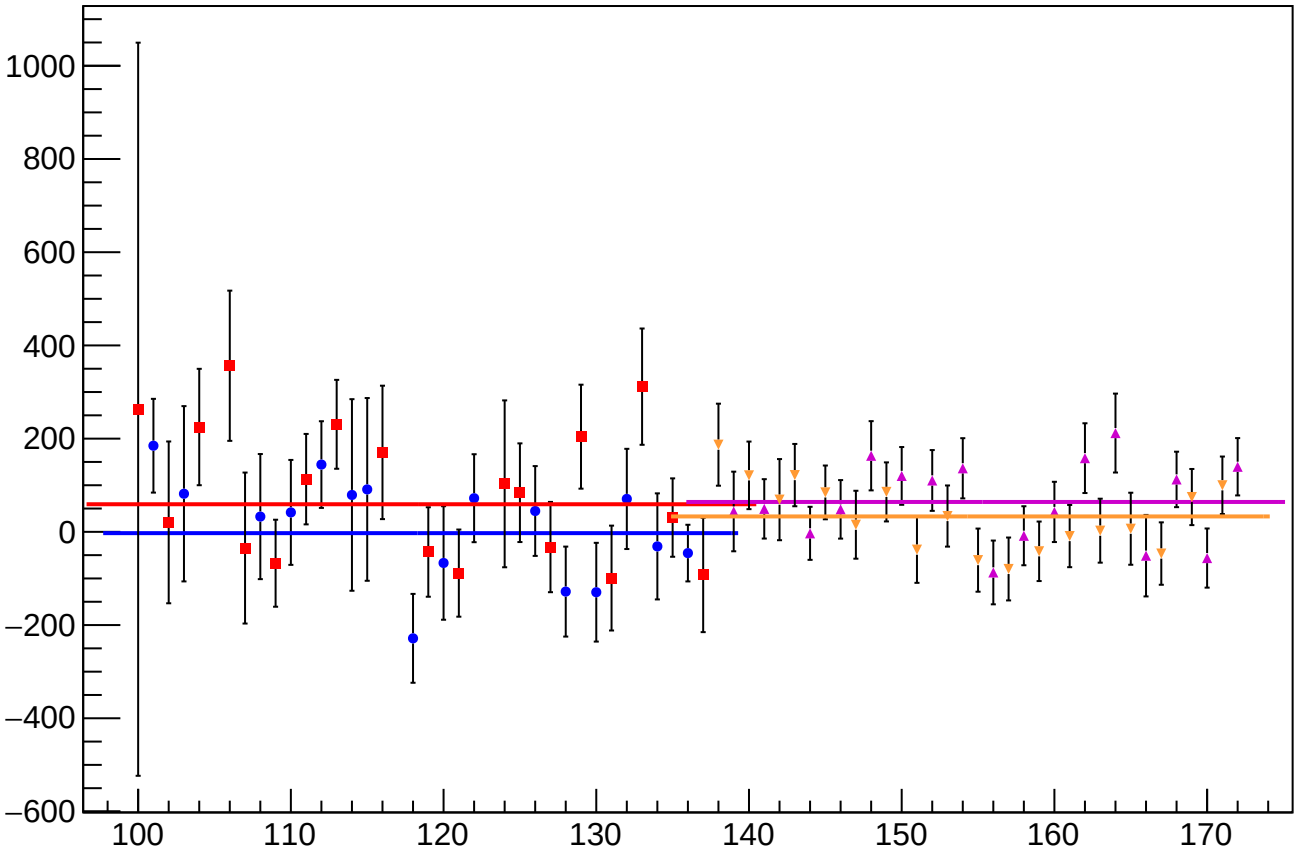
Left: 530.958+/-0.072 χ^2/NDF: 1994177.4/34

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 582.106+/-0.094 χ^2/NDF:3615653.2/32

Out: 595.456+/-0.095 χ^2/NDF:3730666.7/36

All: 588.695+/-0.067 χ^2/NDF: 7356330.3/69



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 33.066+/-16.031 χ^2/NDF:18.9/17

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 64.121+/-16.203 χ^2/NDF:24.4/16

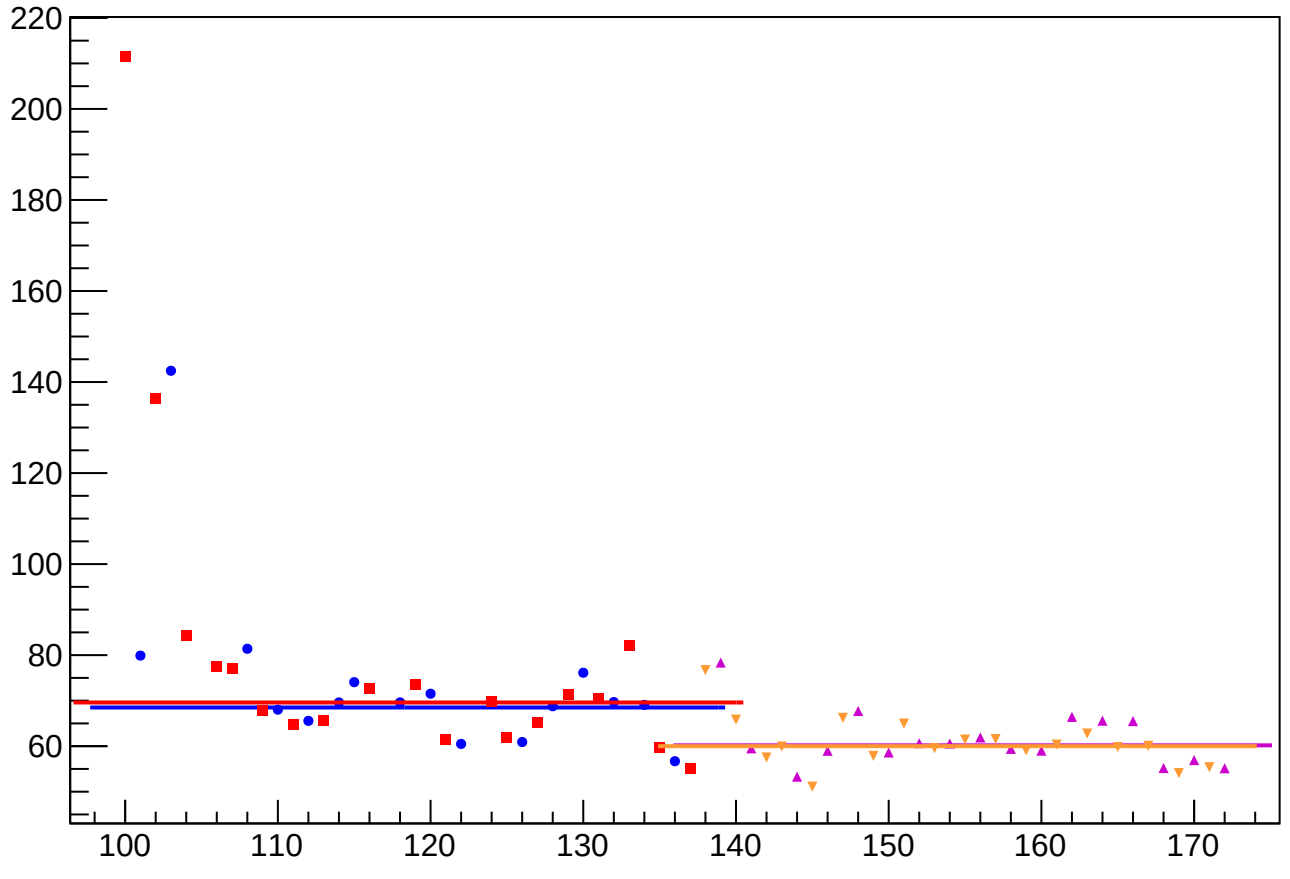
Left: 48.427+/-11.396 χ^2/NDF: 45.1/34

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 45.628+/-13.783 χ^2/NDF:46.8/32

Out: 40.120+/-13.700 χ^2/NDF:45.3/36

All: 42.857+/-9.716 χ^2/NDF: 92.1/69



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 60.002+/-0.011 χ^2/NDF:197025.4/17

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: 60.092+/-0.008 χ^2/NDF: 404563.4/34

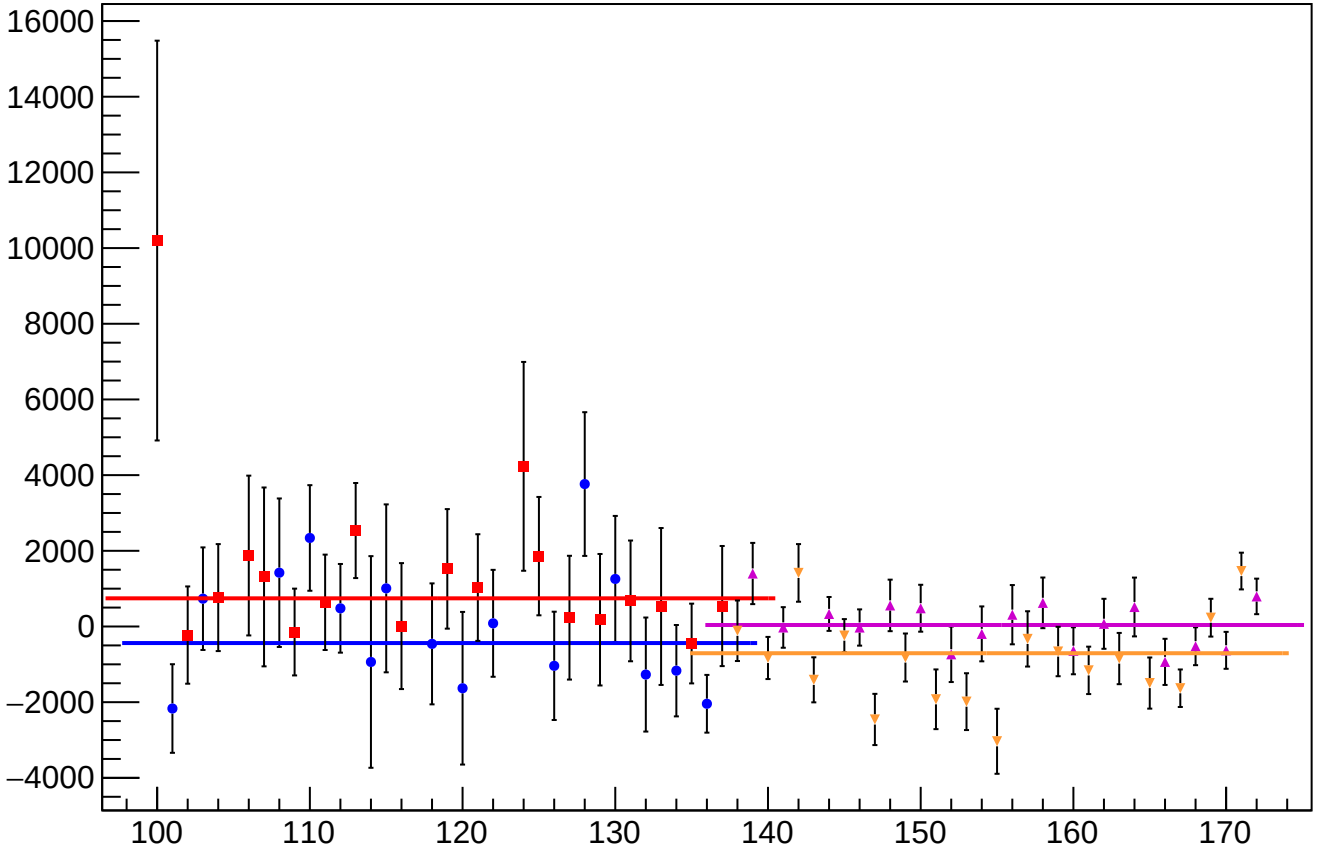
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 62.483+/-0.010 χ^2/NDF:824877.7/32

Out: 62.590+/-0.010 χ^2/NDF:910164.6/36

All: 62.536+/-0.007 χ^2/NDF: 1735103.2/69

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: -706.112+/-145.170 χ^2/NDF:59.5/17

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: -328.414+/-101.990 χ^2/NDF: 89.2/34

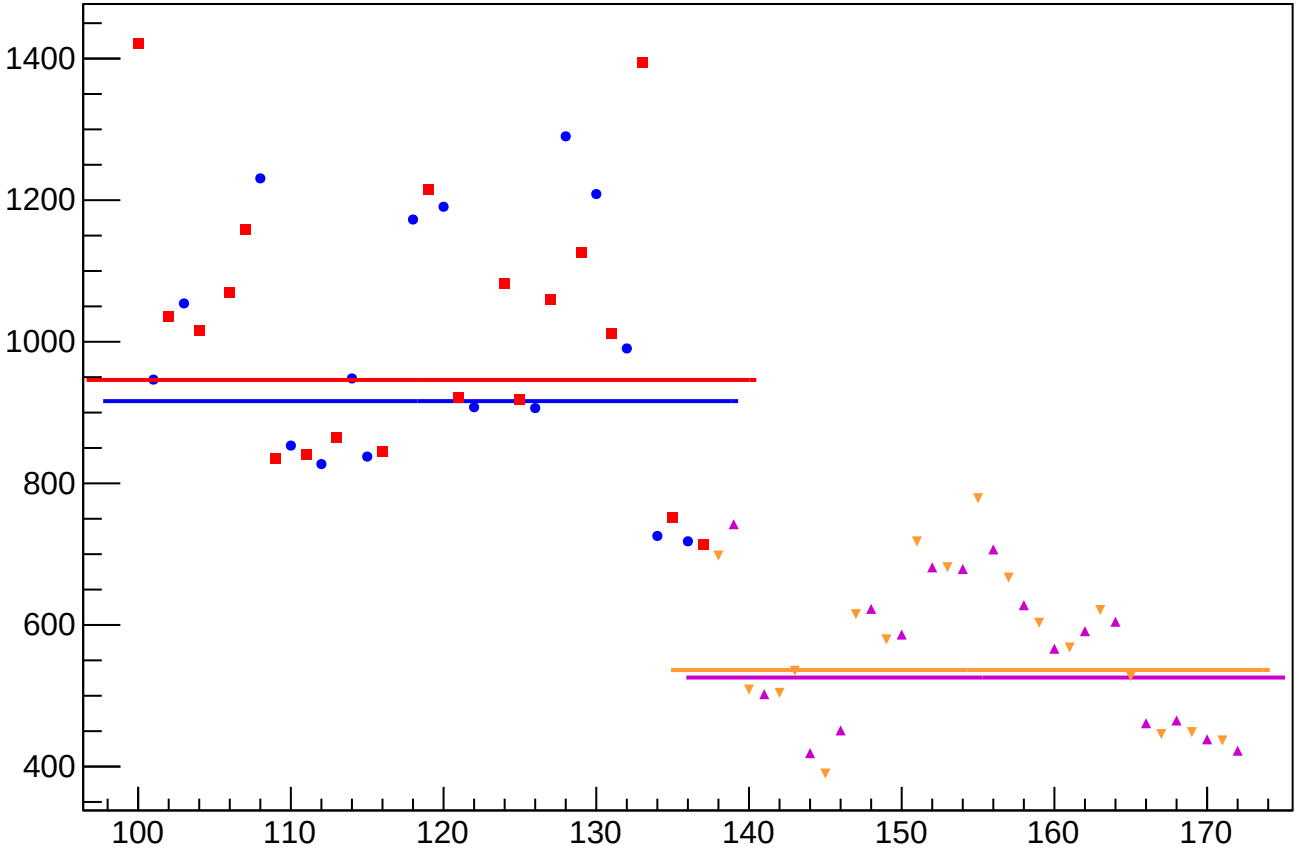
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -29.181+/-132.569 χ^2/NDF:38.5/32

Out: -496.780+/-134.287 χ^2/NDF:84.7/36

All: -259.970+/-94.342 χ^2/NDF: 129.4/69

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: 536.319+/-0.103 χ^2/NDF:1025502.1/17

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 525.732+/-0.101 χ^2/NDF:963288.5/16

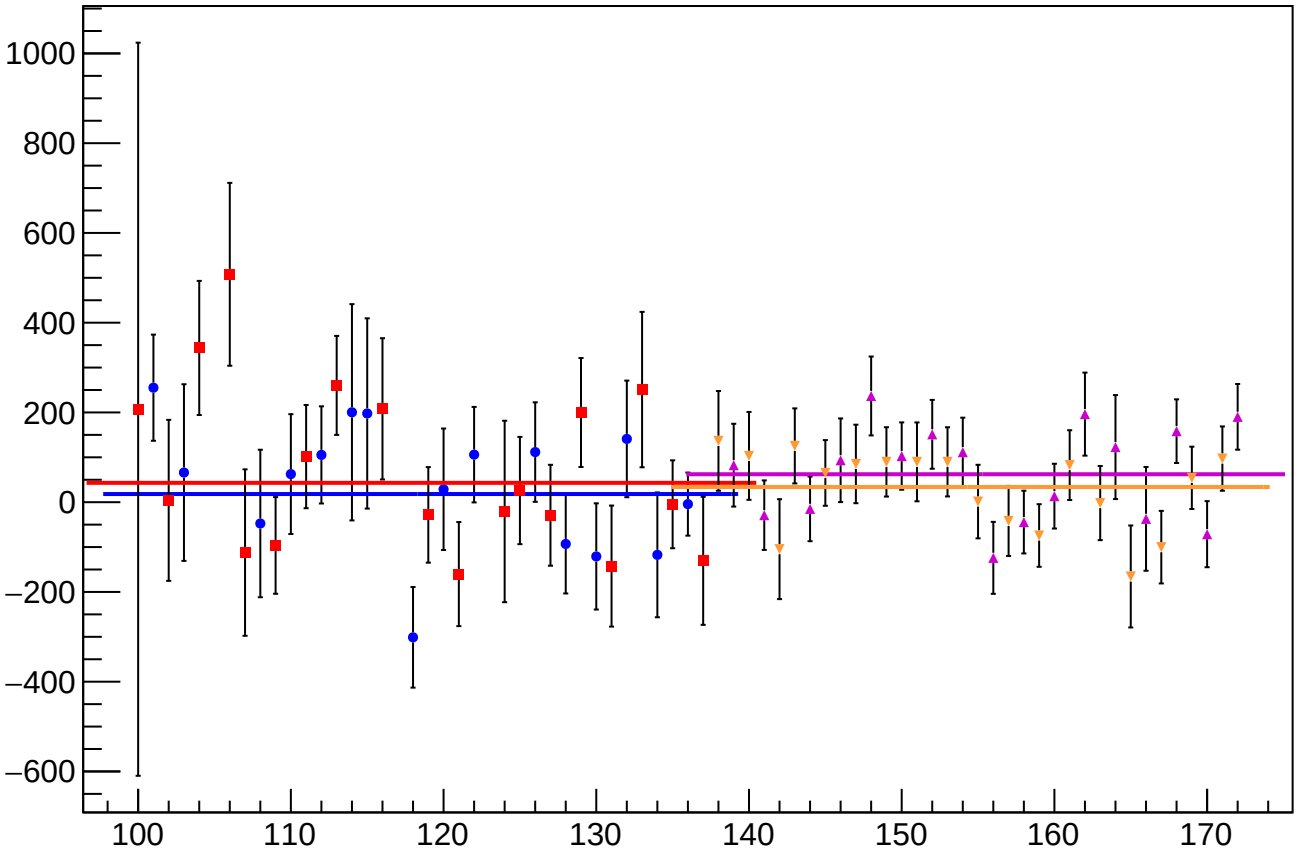
Left: 530.958+/-0.072 χ^2/NDF: 1994177.4/34

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 582.106+/-0.094 χ^2/NDF:3615653.2/32

Out: 595.456+/-0.095 χ^2/NDF:3730666.7/36

All: 588.695+/-0.067 χ^2/NDF: 7356330.3/69



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 33.890+/-19.408 χ^2/NDF:16.9/17

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 62.282+/-19.514 χ^2/NDF:28.1/16

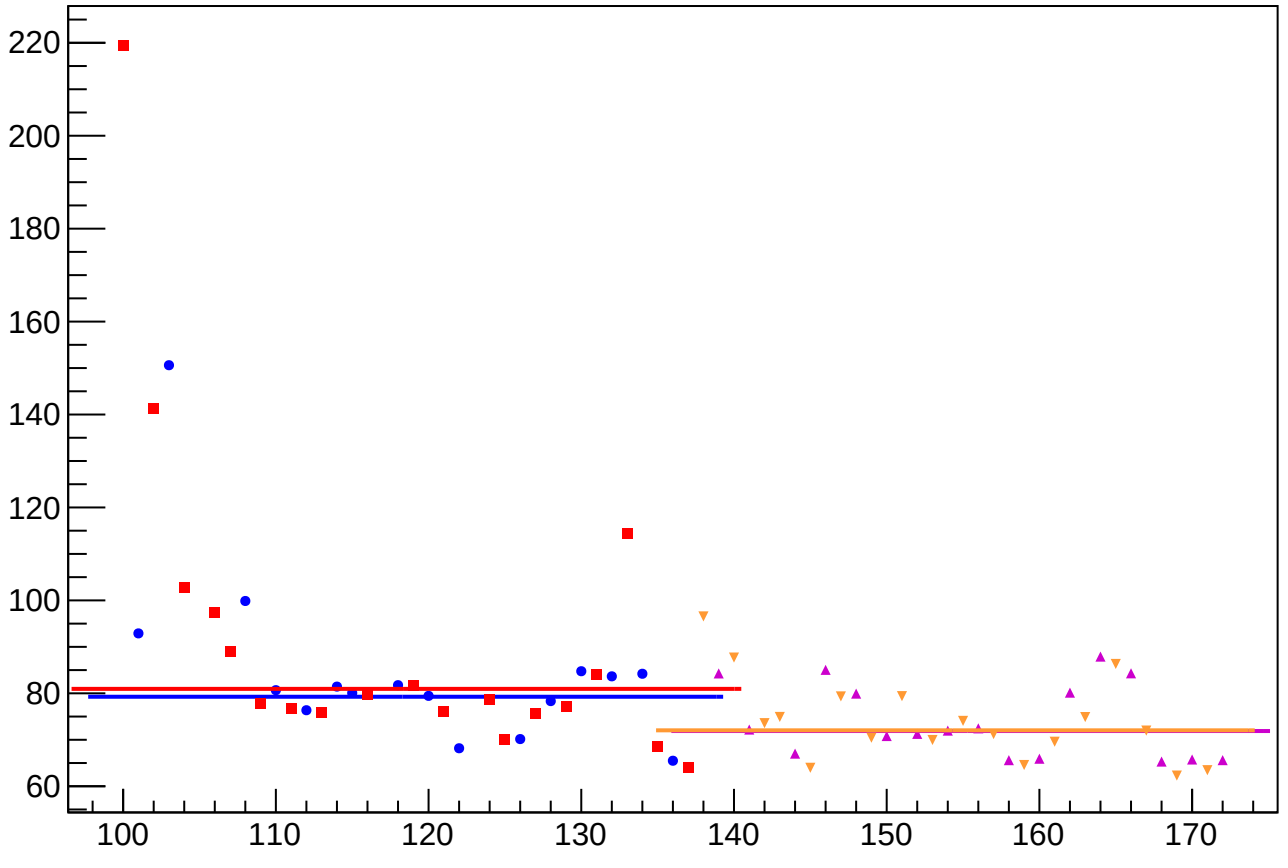
Left: 48.009+/-13.761 χ^2/NDF: 46.1/34

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 49.379+/-16.413 χ^2/NDF:49.8/32

Out: 36.532+/-16.406 χ^2/NDF:44.7/36

All: 42.953+/-11.603 χ^2/NDF: 94.7/69



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 72.034+/-0.014 χ^2/NDF:333982.1/17

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: 71.959+/-0.010 χ^2/NDF: 589262.4/34

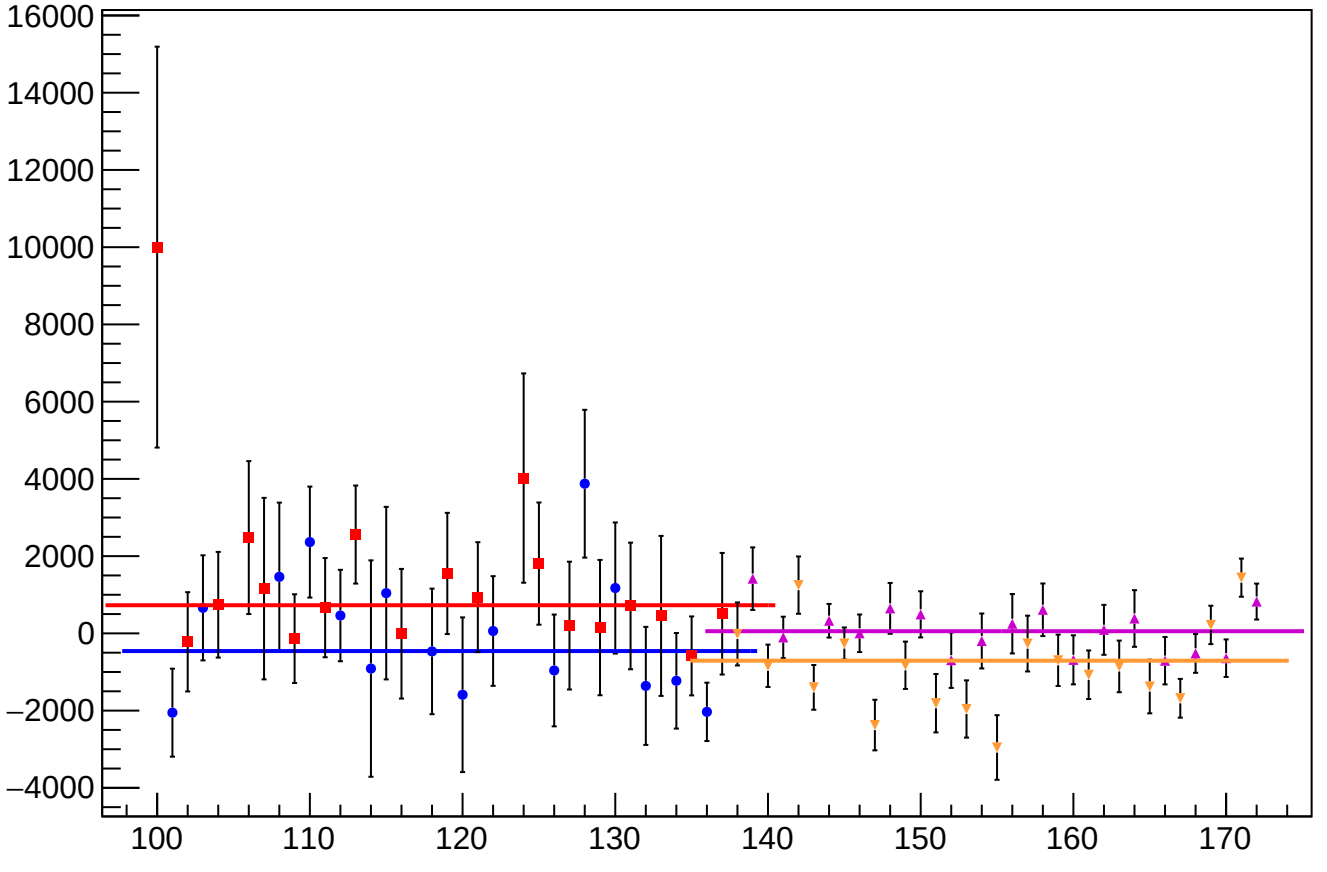
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 74.042+/-0.012 χ^2/NDF:783844.4/32

Out: 74.582+/-0.012 χ^2/NDF:968865.8/36

All: 74.312+/-0.008 χ^2/NDF: 1753790.3/69

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: -707.327+/-143.483 χ^2/NDF:56.9/17

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: -321.467+/-100.930 χ^2/NDF: 87.0/34

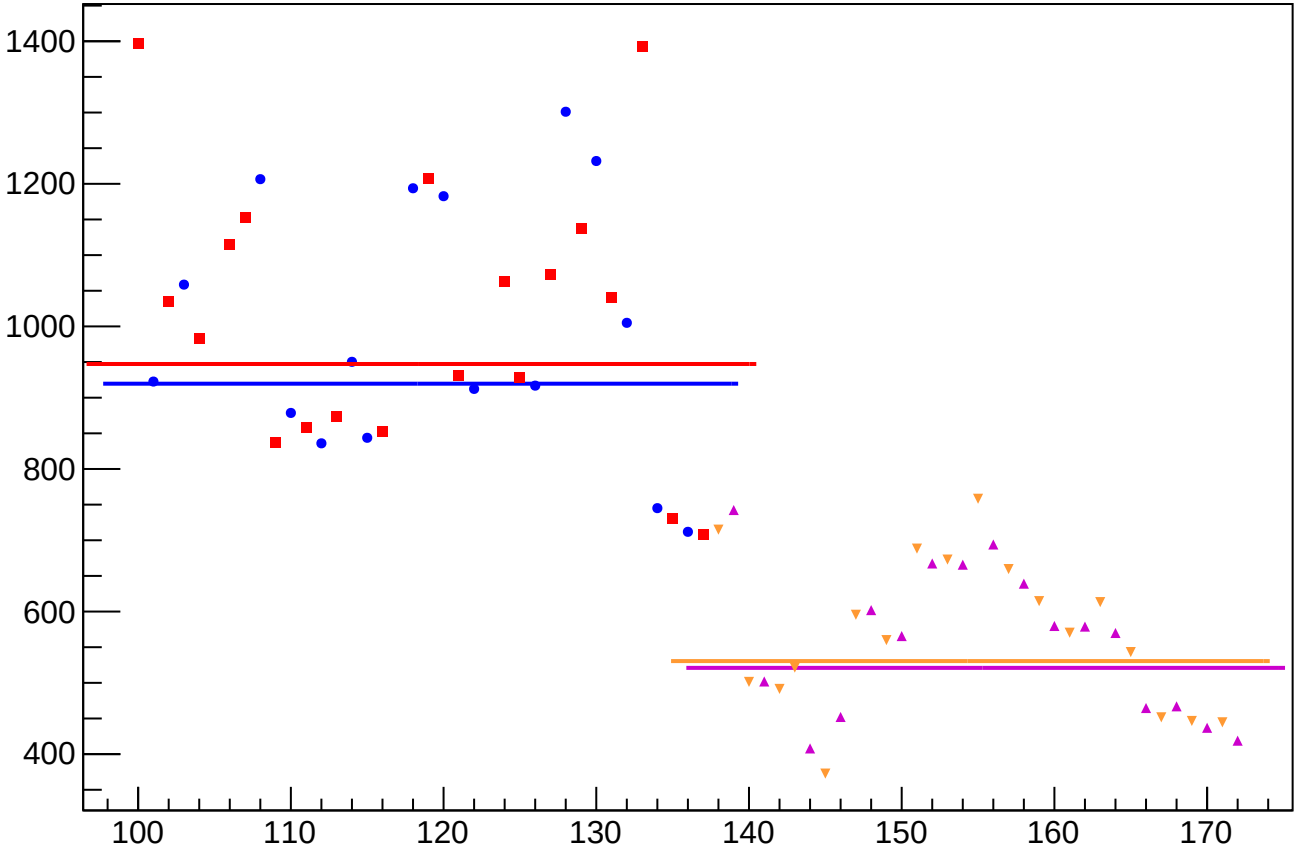
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: -16.238+/-131.588 χ^2/NDF:37.9/32

Out: -503.282+/-132.900 χ^2/NDF:82.7/36

All: -257.346+/-93.507 χ^2/NDF: 127.4/69

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: 530.524+/-0.101 χ^2/NDF:1038746.0/17

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 521.005+/-0.100 χ^2/NDF:934185.9/16

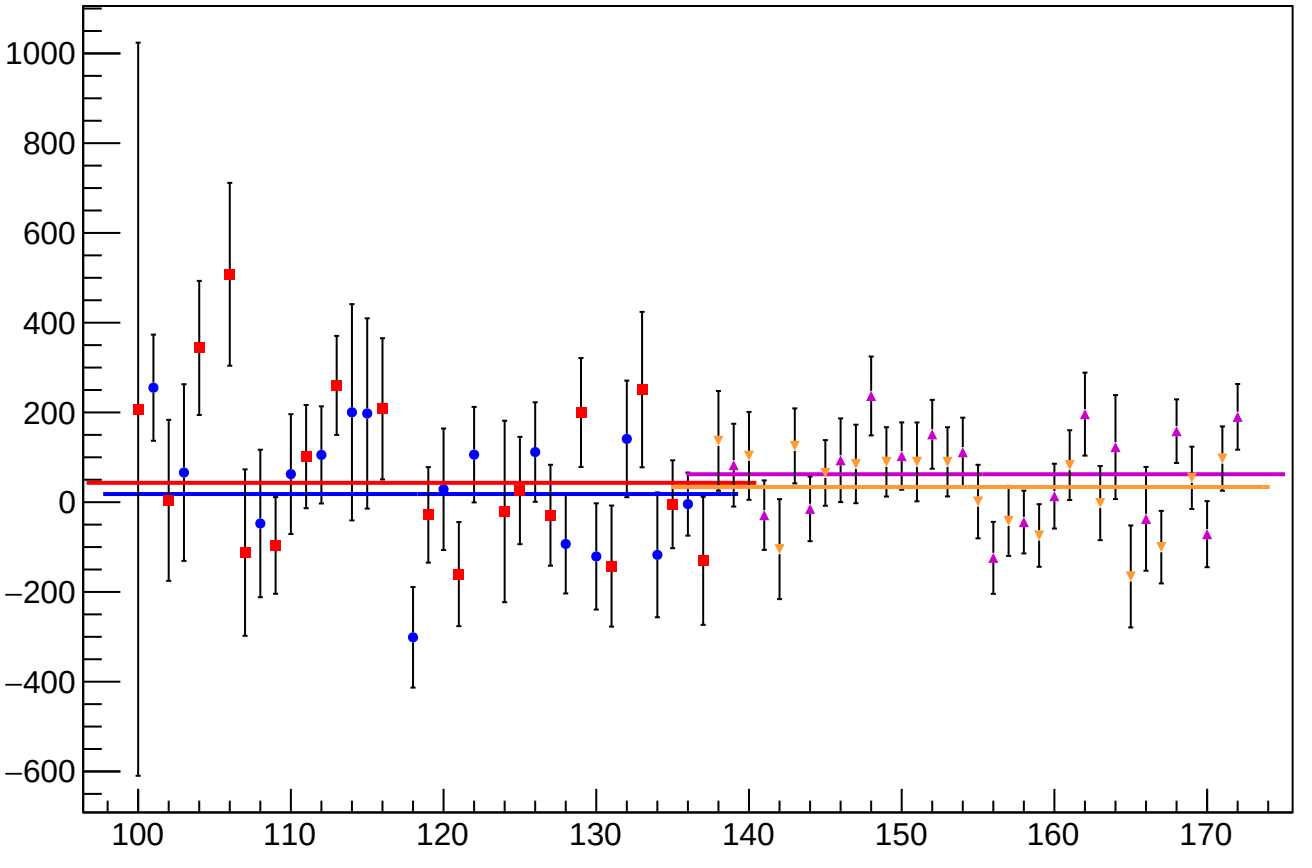
Left: 525.715+/-0.071 χ^2/NDF: 1977378.2/34

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 577.329+/-0.093 χ^2/NDF:3676529.2/32

Out: 589.737+/-0.094 χ^2/NDF:3861608.2/36

All: 583.471+/-0.066 χ^2/NDF: 7546941.9/69



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 33.891+/-19.408 χ^2/NDF:16.9/17

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 62.281+/-19.514 χ^2/NDF:28.1/16

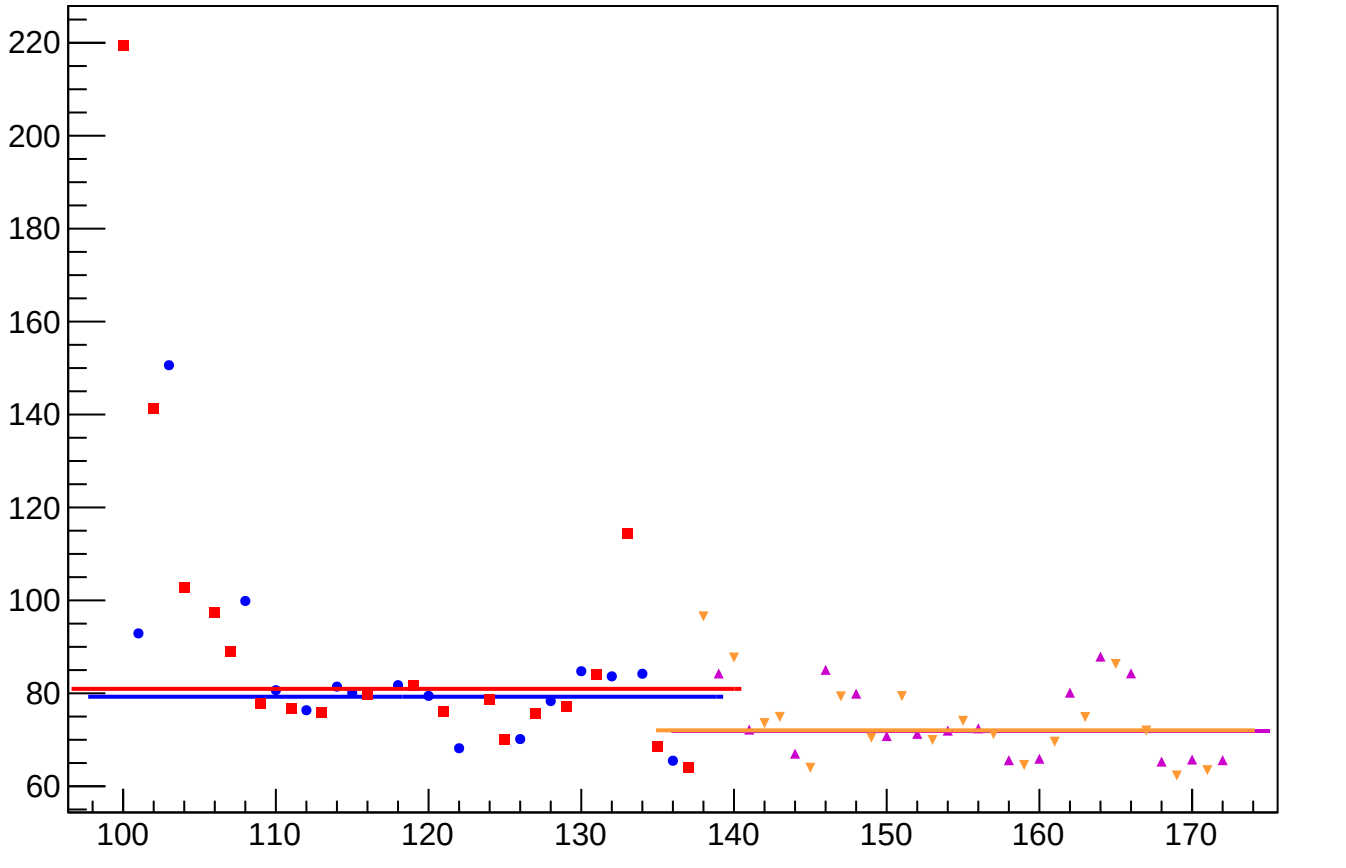
Left: 48.009+/-13.761 χ^2/NDF: 46.1/34

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 49.379+/-16.413 χ^2/NDF:49.8/32

Out: 36.532+/-16.406 χ^2/NDF:44.6/36

All: 42.952+/-11.603 χ^2/NDF: 94.7/69



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 72.035+/-0.014 χ^2/NDF:333980.1/17

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: 71.960+/-0.010 χ^2/NDF: 589263.9/34

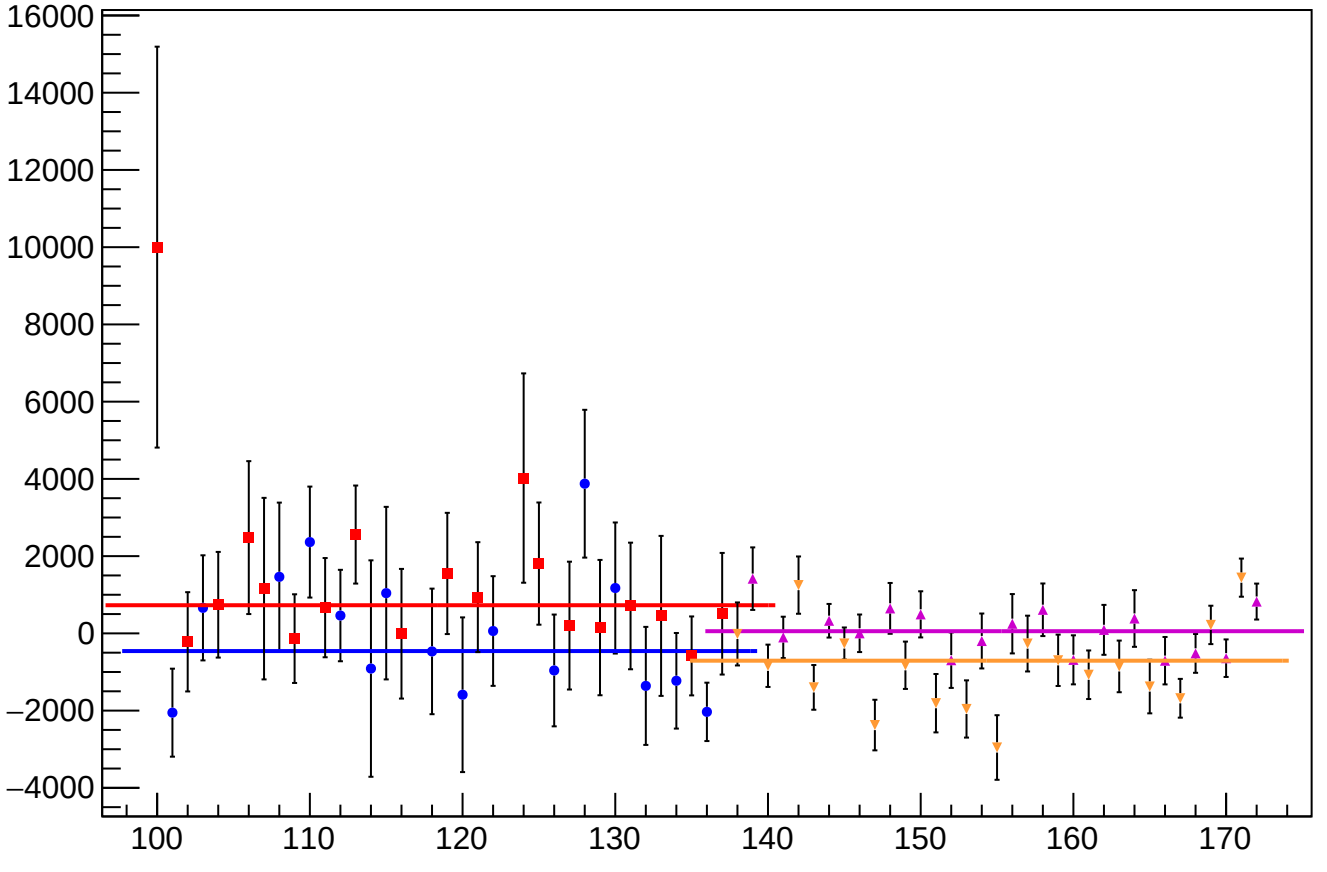
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 74.042+/-0.012 χ^2/NDF:783834.1/32

Out: 74.582+/-0.012 χ^2/NDF:968860.7/36

All: 74.312+/-0.008 χ^2/NDF: 1753774.9/69

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: -707.326+/-143.483 χ^2/NDF:56.9/17

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: -321.468+/-100.930 χ^2/NDF: 87.0/34

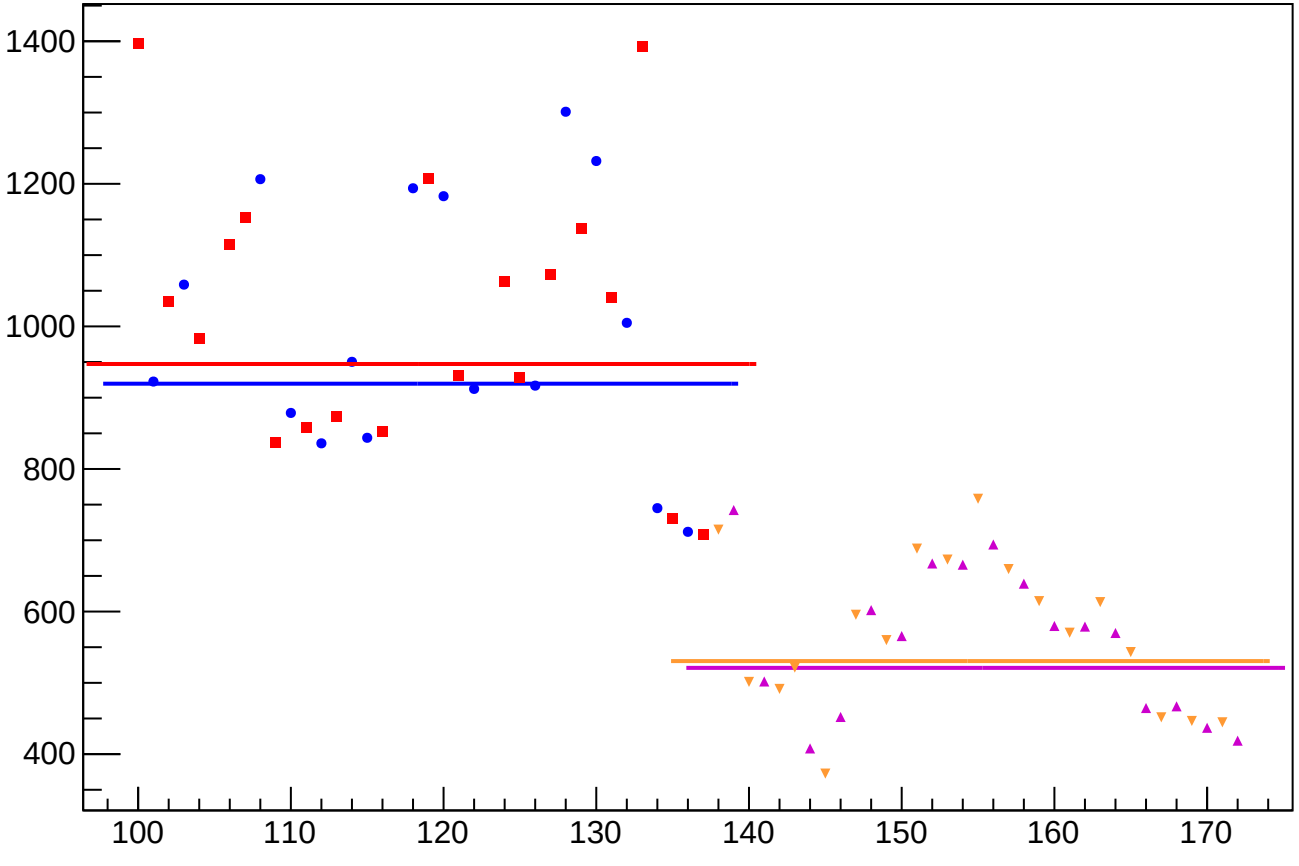
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: -16.239+/-131.588 χ^2/NDF:37.9/32

Out: -503.282+/-132.899 χ^2/NDF:82.7/36

All: -257.346+/-93.507 χ^2/NDF: 127.4/69

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: 530.523+/-0.101 χ^2/NDF:1038752.6/17

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 521.005+/-0.100 χ^2/NDF:934185.0/16

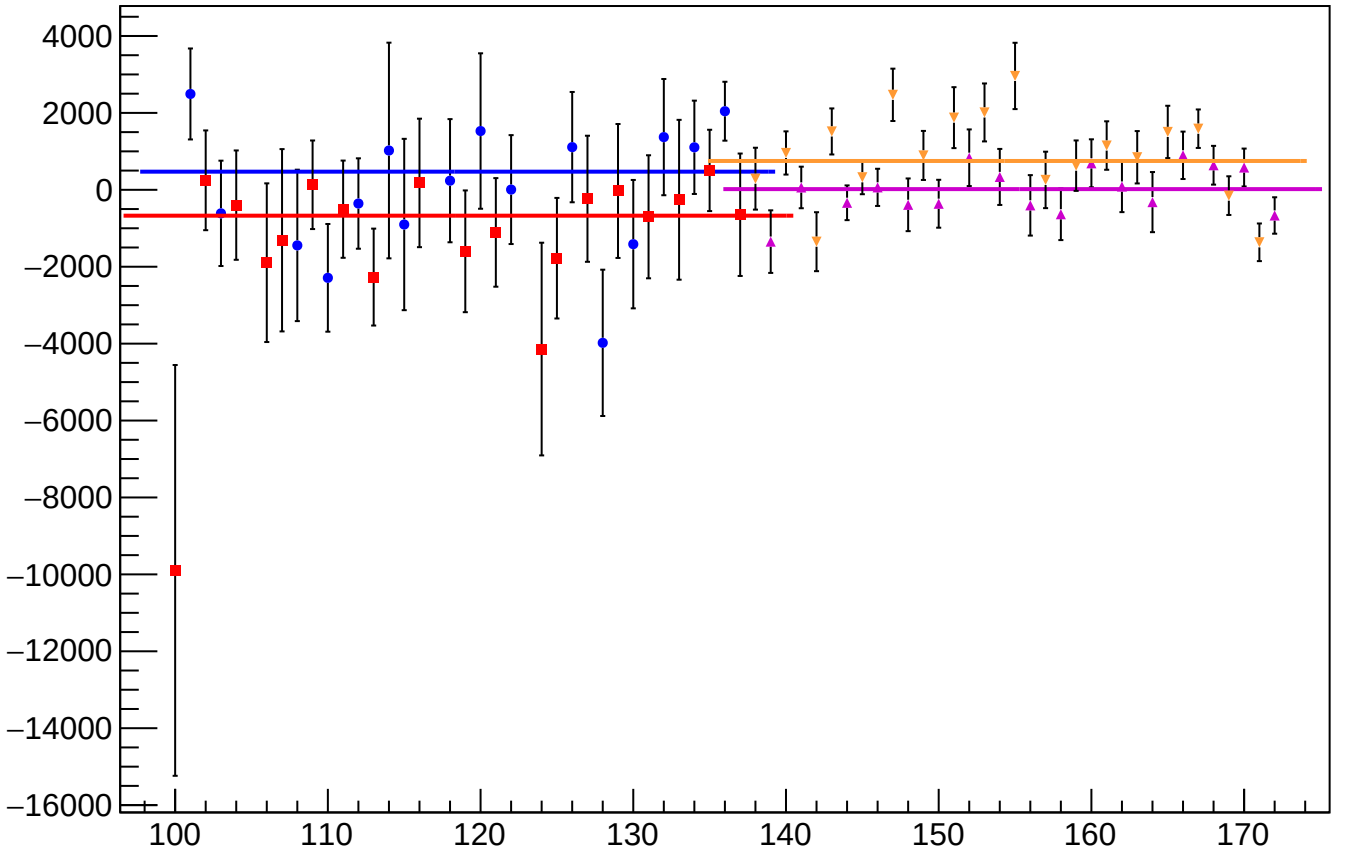
Left: 525.714+/-0.071 χ^2/NDF: 1977383.8/34

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 577.328+/-0.093 χ^2/NDF:3676524.0/32

Out: 589.736+/-0.094 χ^2/NDF:3861613.3/36

All: 583.470+/-0.066 χ^2/NDF: 7546941.3/69



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 750.002+/-146.154 χ^2/NDF:55.2/17

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: 379.562+/-102.699 χ^2/NDF: 83.0/34

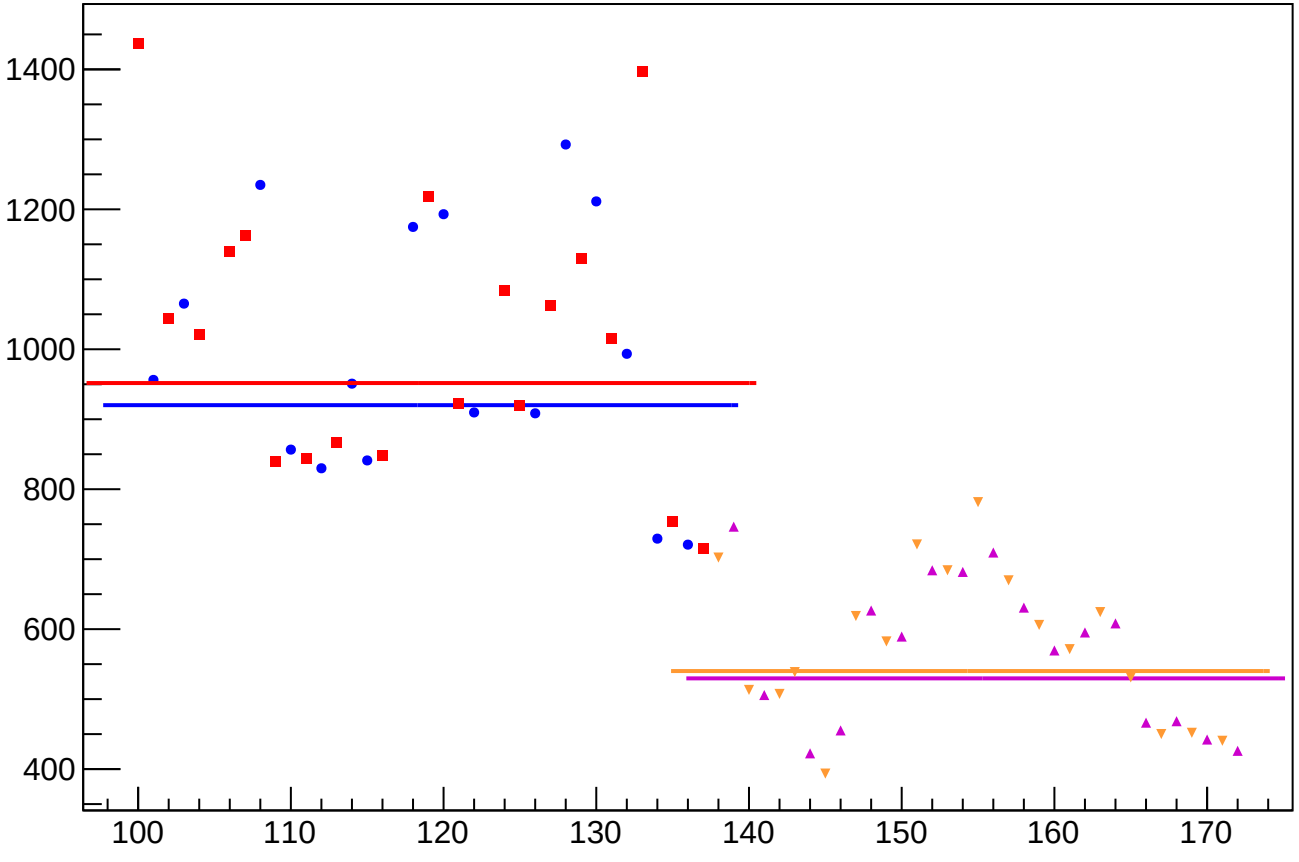
Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 84.096+/-133.459 χ^2/NDF:38.0/32

Out: 543.345+/-135.121 χ^2/NDF:79.3/36

All: 310.877+/-94.952 χ^2/NDF: 123.2/69

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 540.123+/-0.103 χ^2/NDF:1008394.2/17

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 529.650+/-0.102 χ^2/NDF:946539.7/16

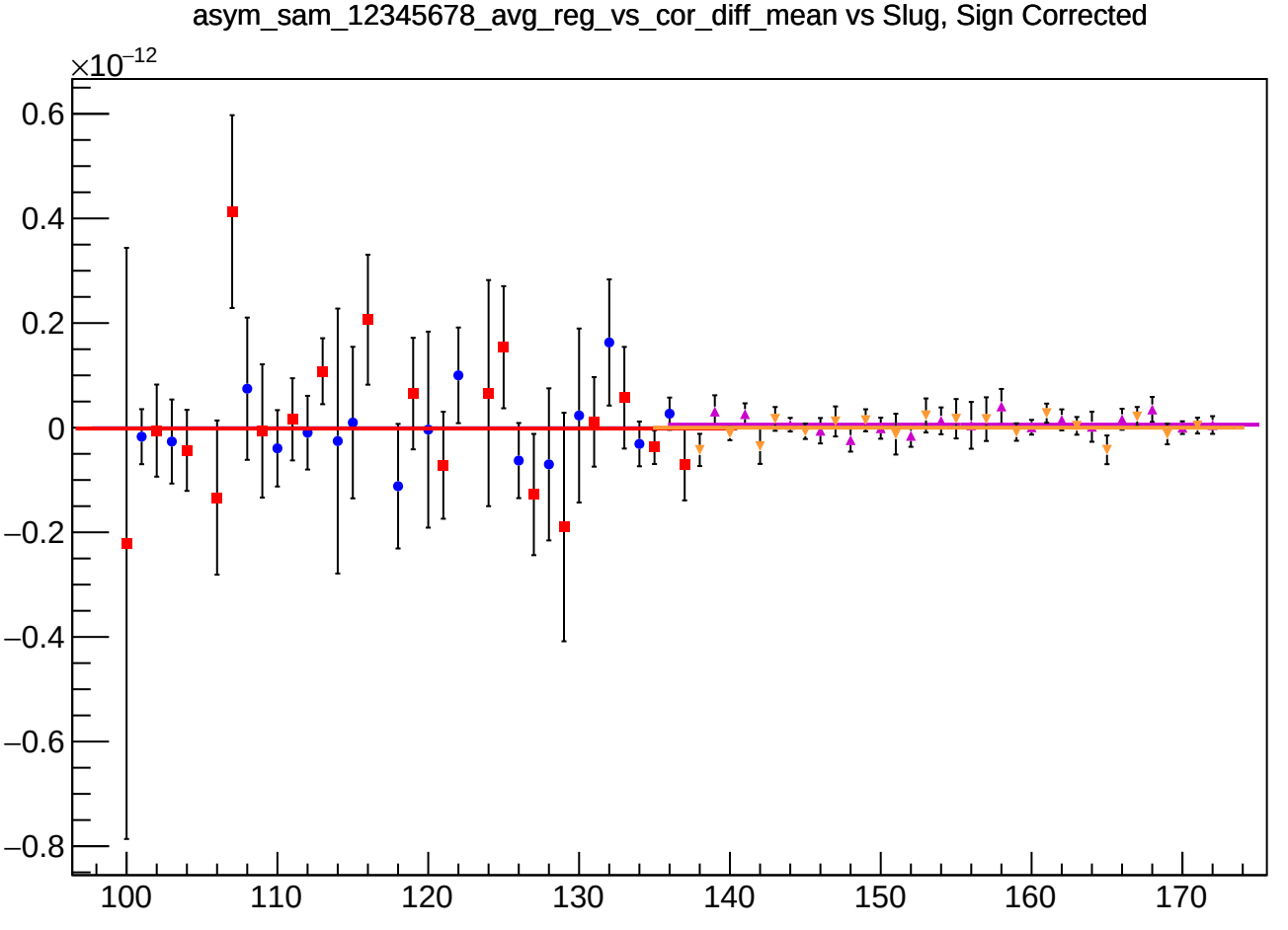
Left: 534.822+/-0.073 χ^2/NDF: 1960132.7/34

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 586.303+/-0.094 χ^2/NDF:3578808.9/32

Out: 599.918+/-0.096 χ^2/NDF:3728876.6/36

All: 593.026+/-0.067 χ^2/NDF: 7317964.9/69



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.8/17

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:8.2/16

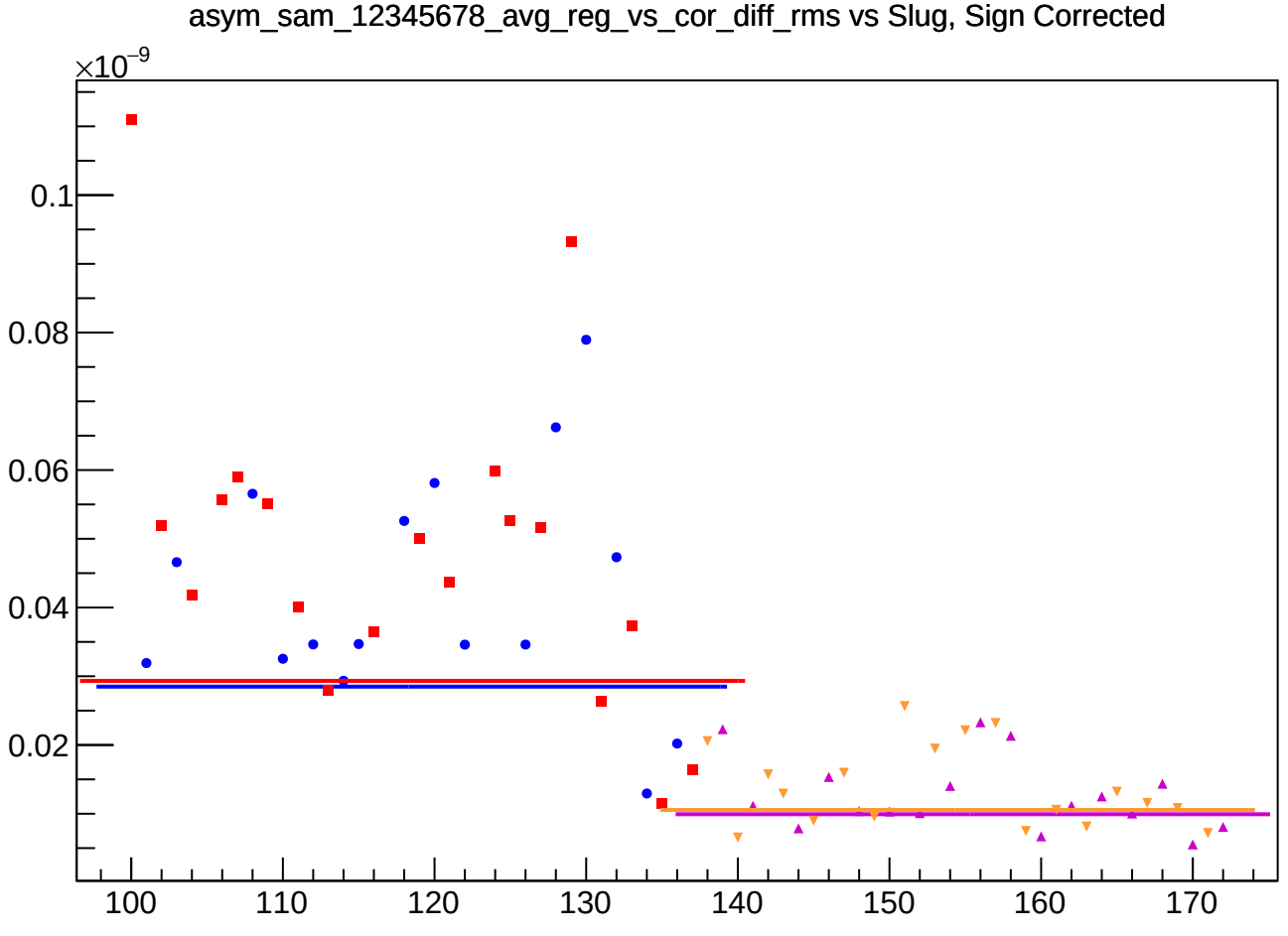
Left: 0.000+/-0.000 χ^2/NDF: 21.7/34

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:32.2/36

All: 0.000+/-0.000 χ^2/NDF: 48.3/69



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1621093.7/17

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: 3060873.2/34

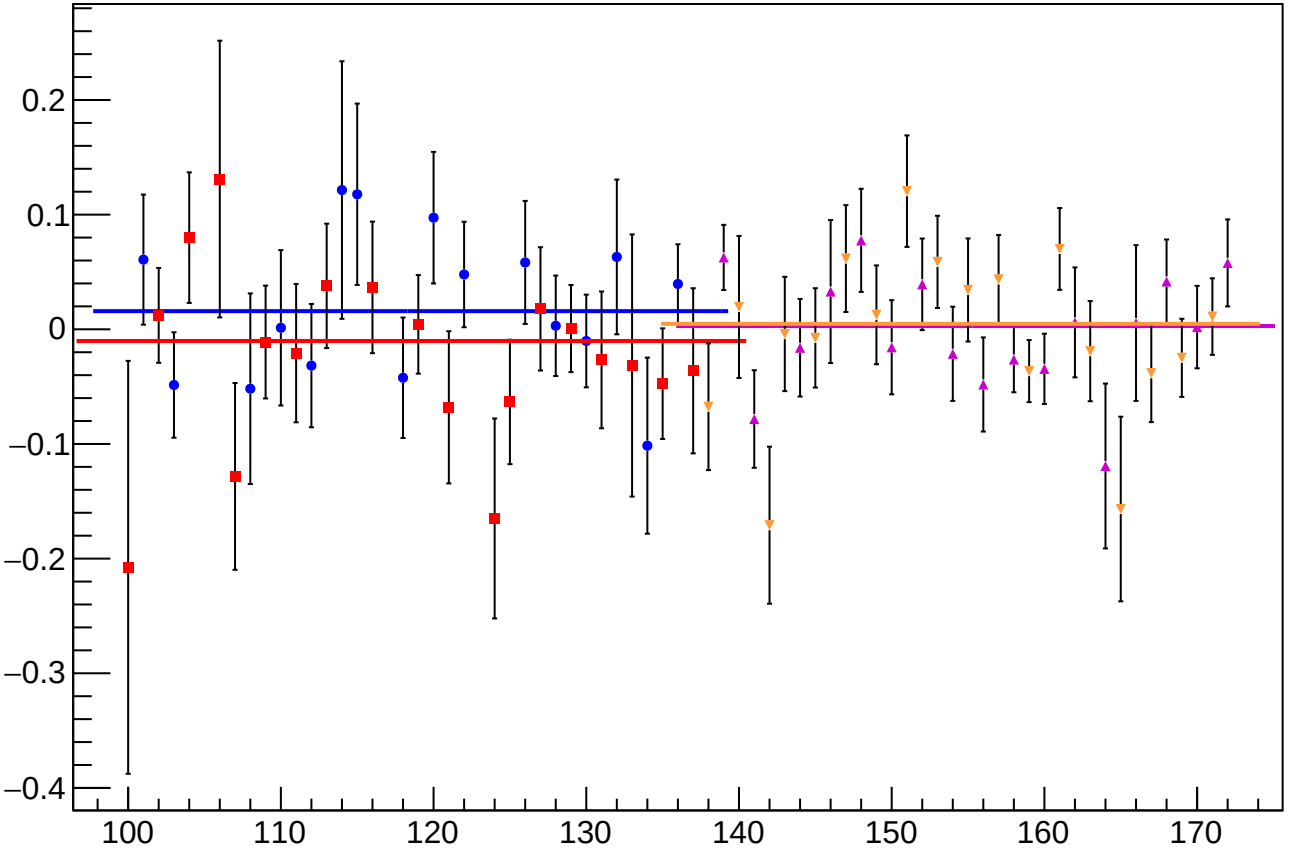
Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:4624566.1/32

Out: 0.000+/-0.000 χ^2/NDF:5053370.3/36

All: 0.000+/-0.000 χ^2/NDF: 9689716.0/69

asym_sam_12345678_avg_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:30.7/17

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.003+/-0.010 χ^2/NDF:22.8/16

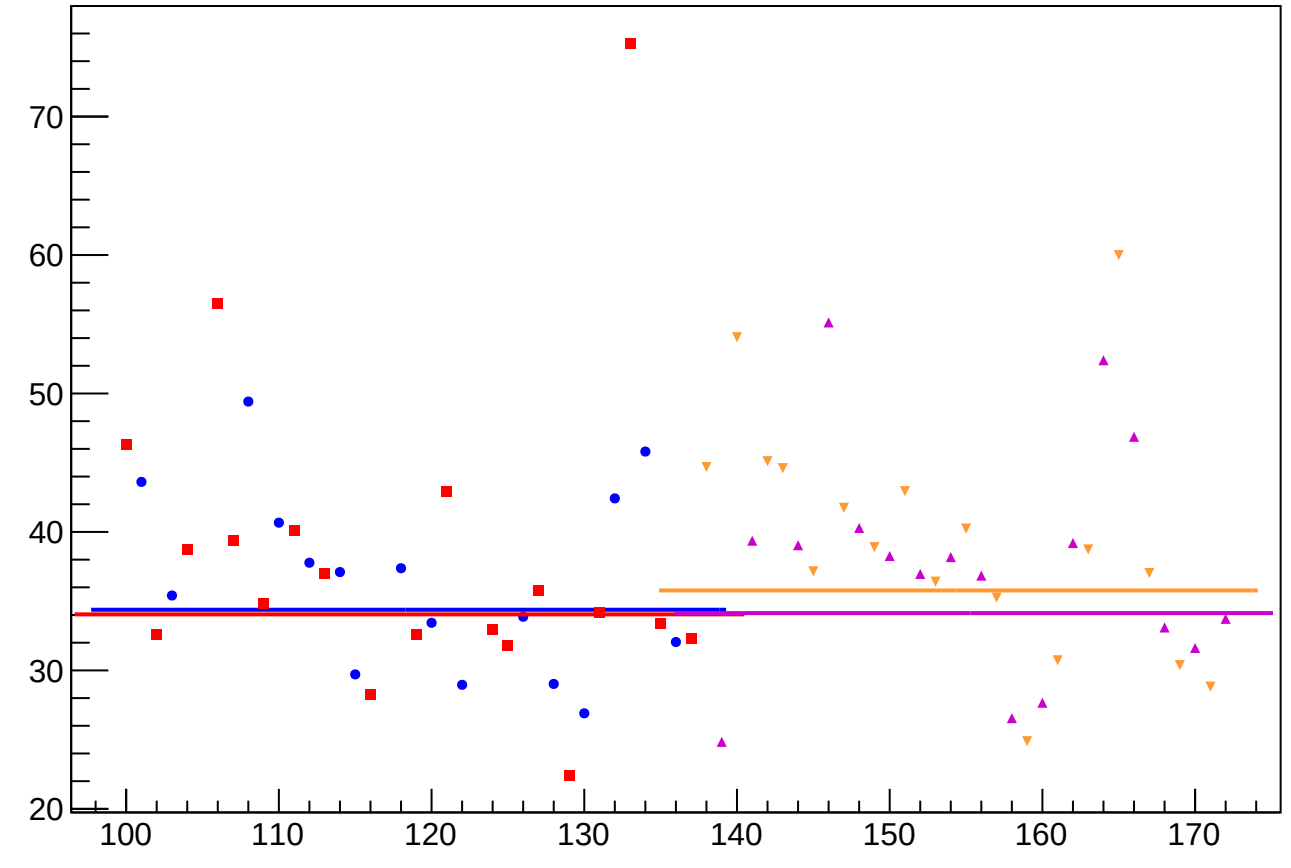
Left: 0.004+/-0.007 χ^2/NDF: 53.5/34

Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:38.2/32

Out: -0.001+/-0.008 χ^2/NDF:46.6/36

All: 0.003+/-0.006 χ^2/NDF: 85.4/69



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 35.774+/-0.007 χ^2/NDF:1127643.3/17

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: 34.926+/-0.005 χ^2/NDF: 2213027.4/34

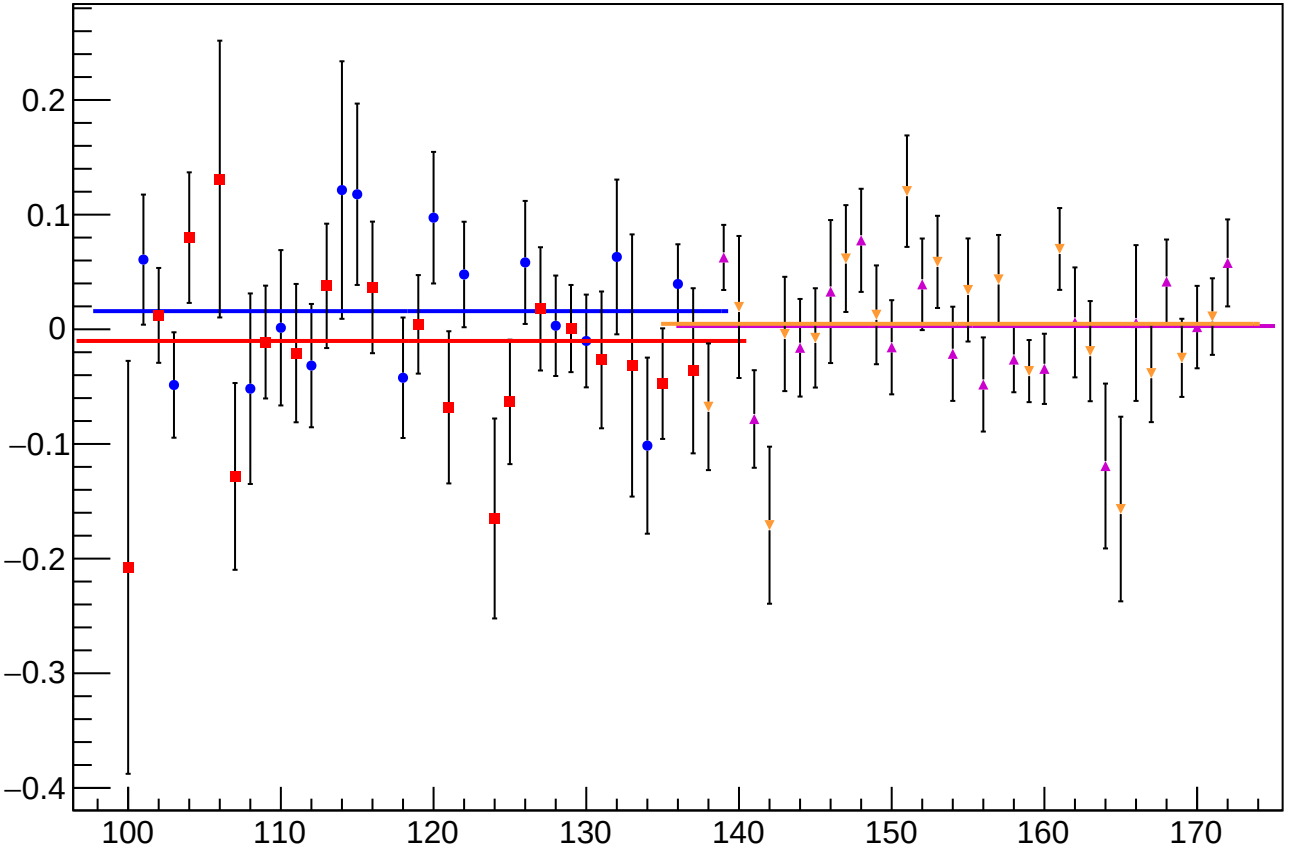
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.221+/-0.006 χ^2/NDF:1425762.4/32

Out: 35.148+/-0.006 χ^2/NDF:1792126.8/36

All: 34.676+/-0.004 χ^2/NDF: 3231717.0/69

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:30.7/17

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: 53.5/34

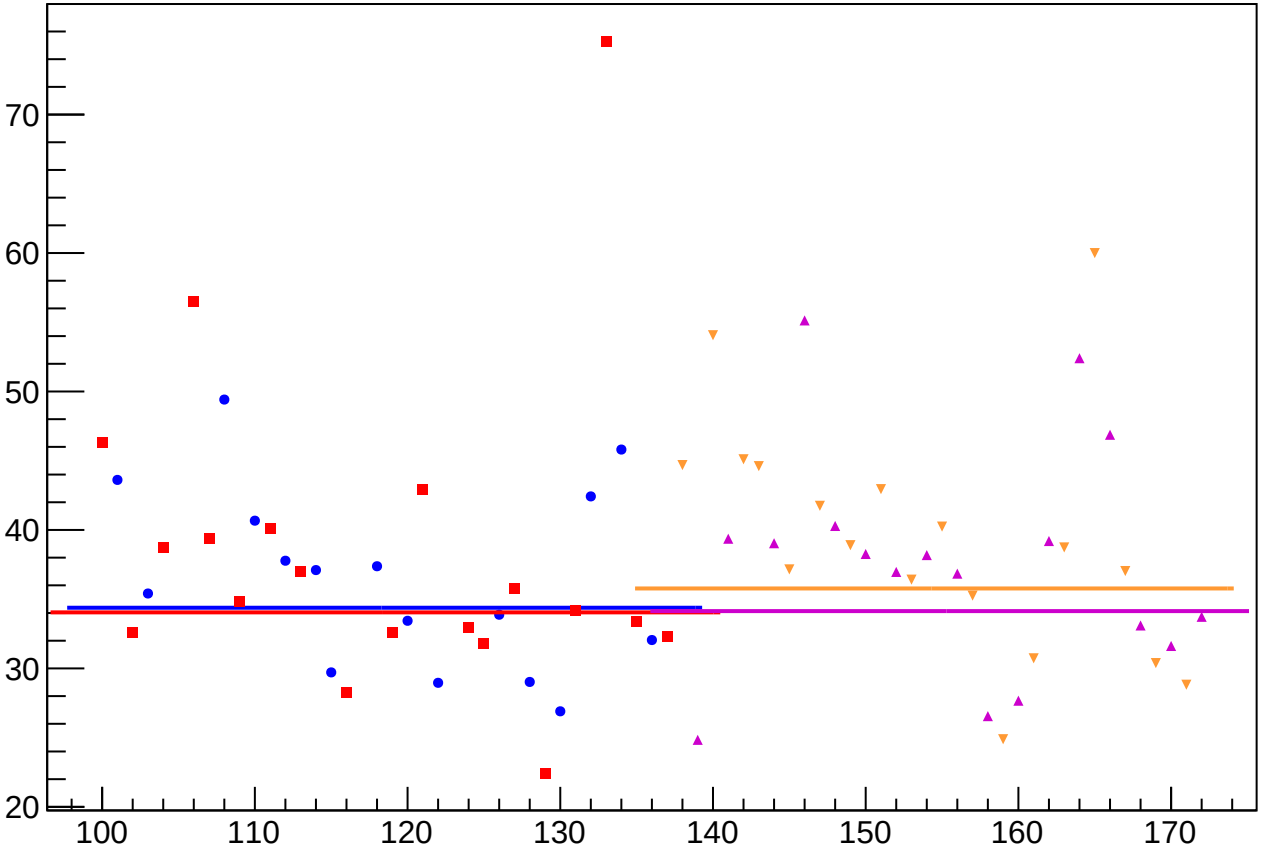
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:38.2/32

Out: -0.001+/-0.008 χ^2/NDF:46.6/36

All: 0.003+/-0.006 χ^2/NDF: 85.4/69

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: 35.774+/-0.007 χ^2/NDF:1127643.3/17

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.139+/-0.007 χ^2/NDF:1057445.0/16

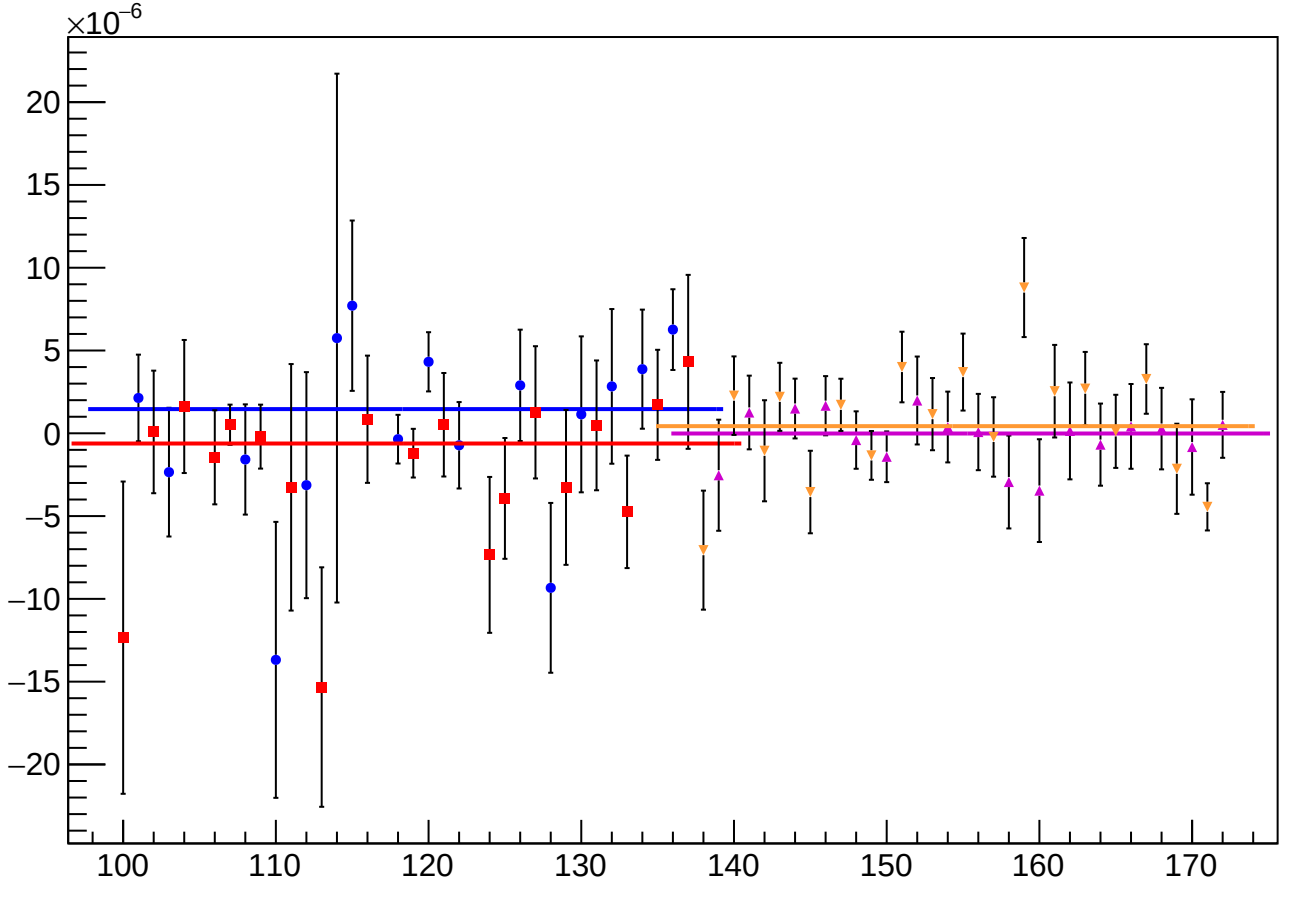
Left: 34.926+/-0.005 χ^2/NDF: 2213027.4/34

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.221+/-0.006 χ^2/NDF:1425762.4/32

Out: 35.148+/-0.006 χ^2/NDF:1792126.8/36

All: 34.676+/-0.004 χ^2/NDF: 3231717.0/69



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.4/17

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.6/16

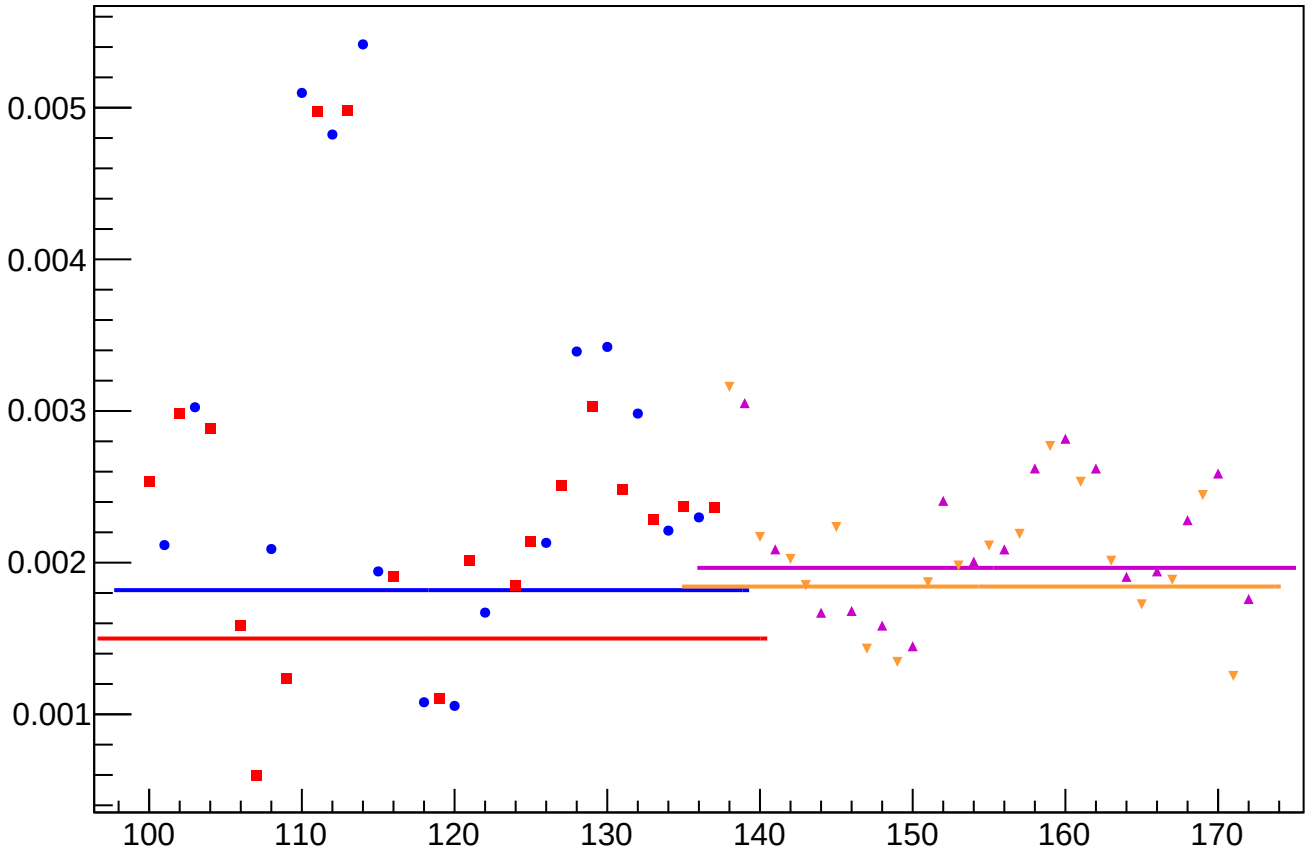
Left: 0.000+/-0.000 χ^2/NDF: 46.3/34

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:55.0/36

All: 0.000+/-0.000 χ^2/NDF: 85.6/69



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1575607.8/17

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: 2845233.6/34

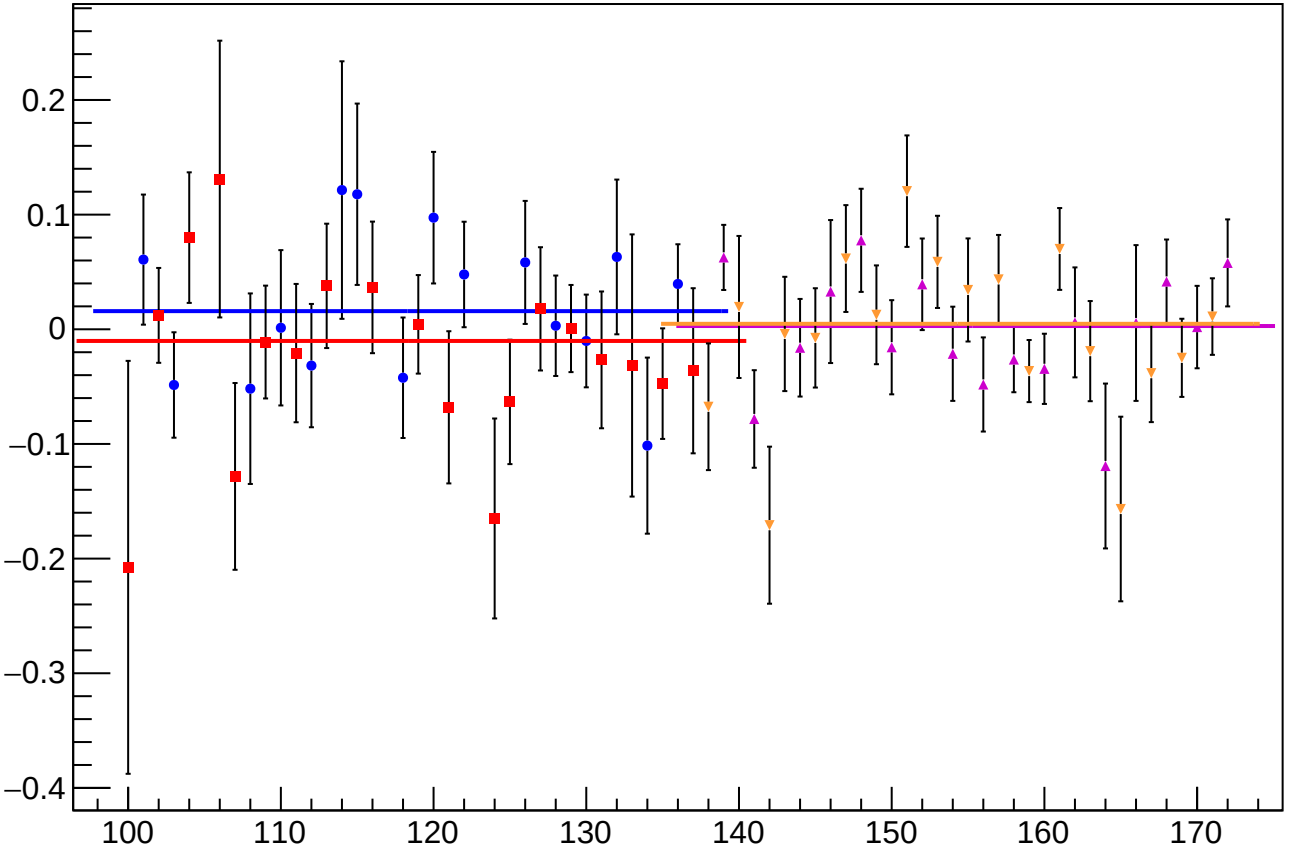
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:3834865.5/32

Out: 0.002+/-0.000 χ^2/NDF:5614091.3/36

All: 0.002+/-0.000 χ^2/NDF: 9683708.8/69

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:30.7/17

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: 53.5/34

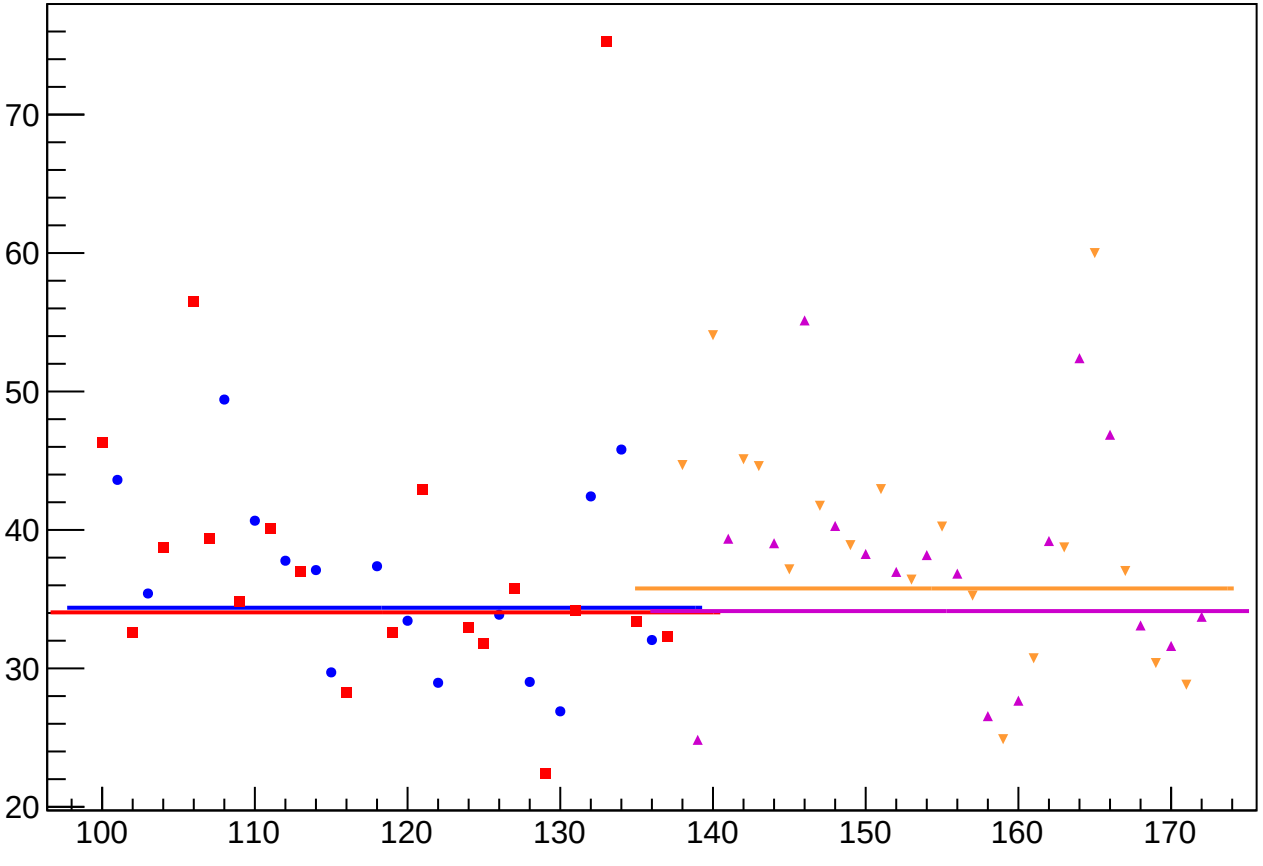
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:38.2/32

Out: -0.001+/-0.008 χ^2/NDF:46.6/36

All: 0.003+/-0.006 χ^2/NDF: 85.4/69

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 35.774+/-0.007 χ^2/NDF:1127706.6/17

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: 34.926+/-0.005 χ^2/NDF: 2213157.9/34

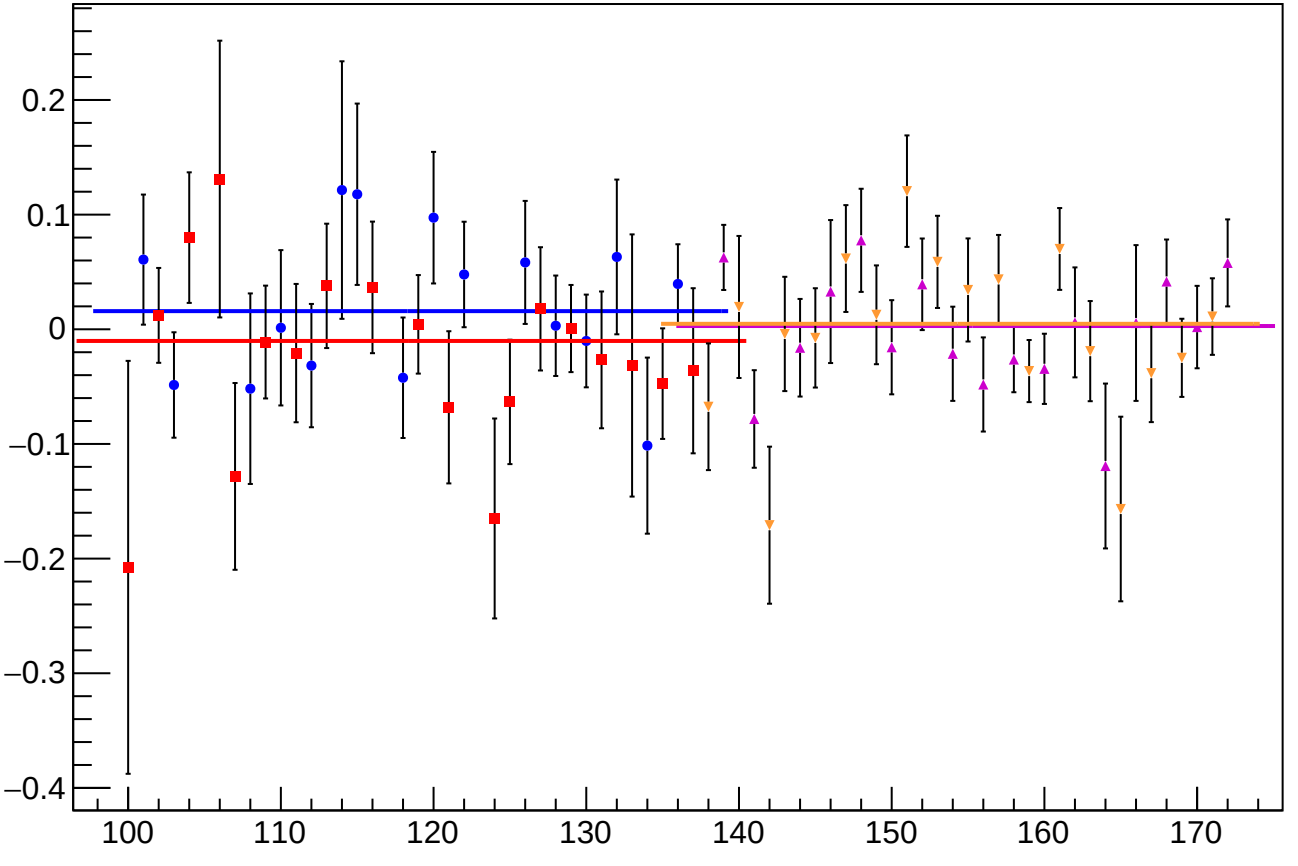
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.221+/-0.006 χ^2/NDF:1425885.9/32

Out: 35.148+/-0.006 χ^2/NDF:1792253.5/36

All: 34.676+/-0.004 χ^2/NDF: 3231967.0/69

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:30.7/17

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: 53.5/34

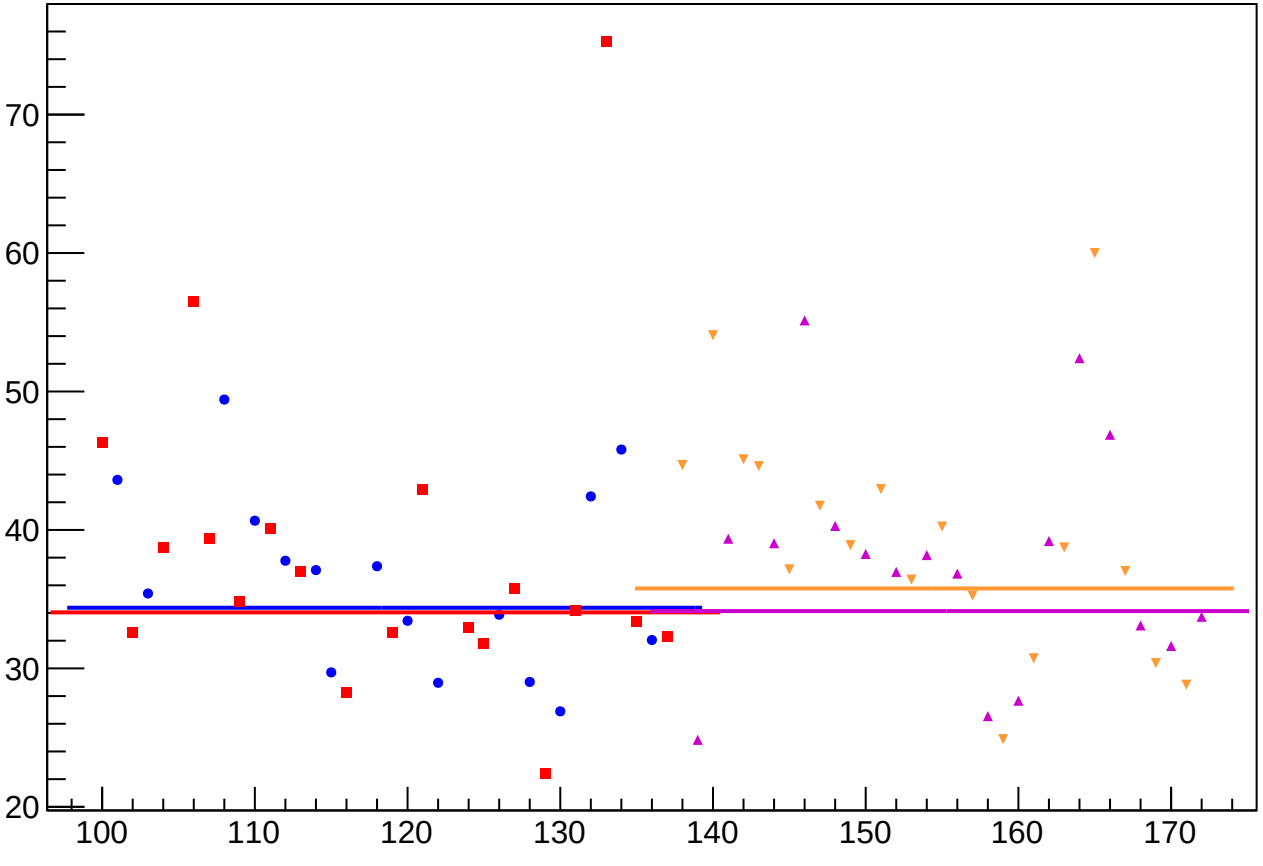
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.007+/-0.008 χ^2/NDF:38.2/32

Out: -0.001+/-0.008 χ^2/NDF:46.6/36

All: 0.003+/-0.006 χ^2/NDF: 85.4/69

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: 35.774+/-0.007 χ^2/NDF:1127706.6/17

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: 34.926+/-0.005 χ^2/NDF: 2213157.9/34

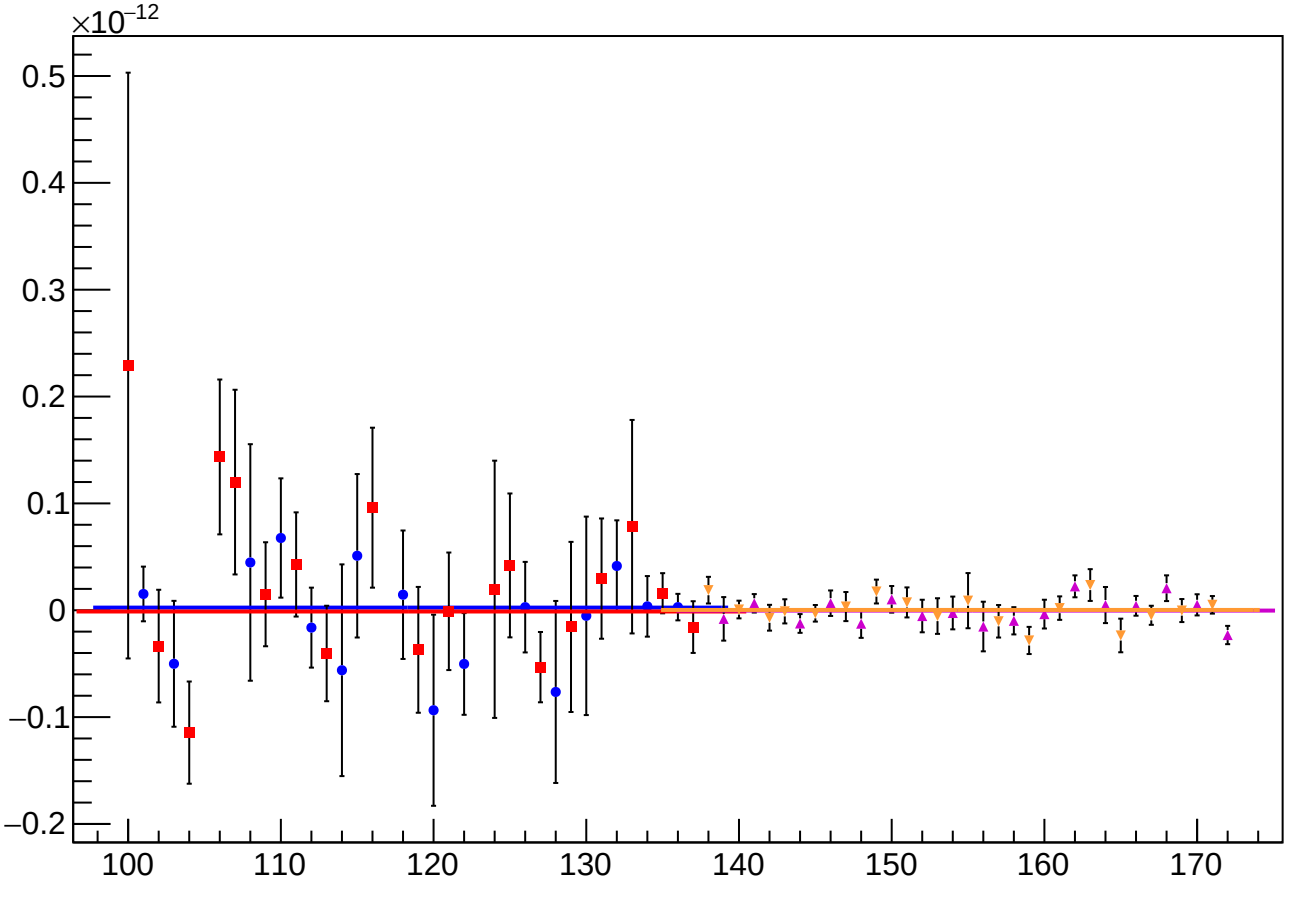
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.221+/-0.006 χ^2/NDF:1425885.9/32

Out: 35.148+/-0.006 χ^2/NDF:1792253.5/36

All: 34.676+/-0.004 χ^2/NDF: 3231967.0/69

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:16.6/17

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: 38.1/34

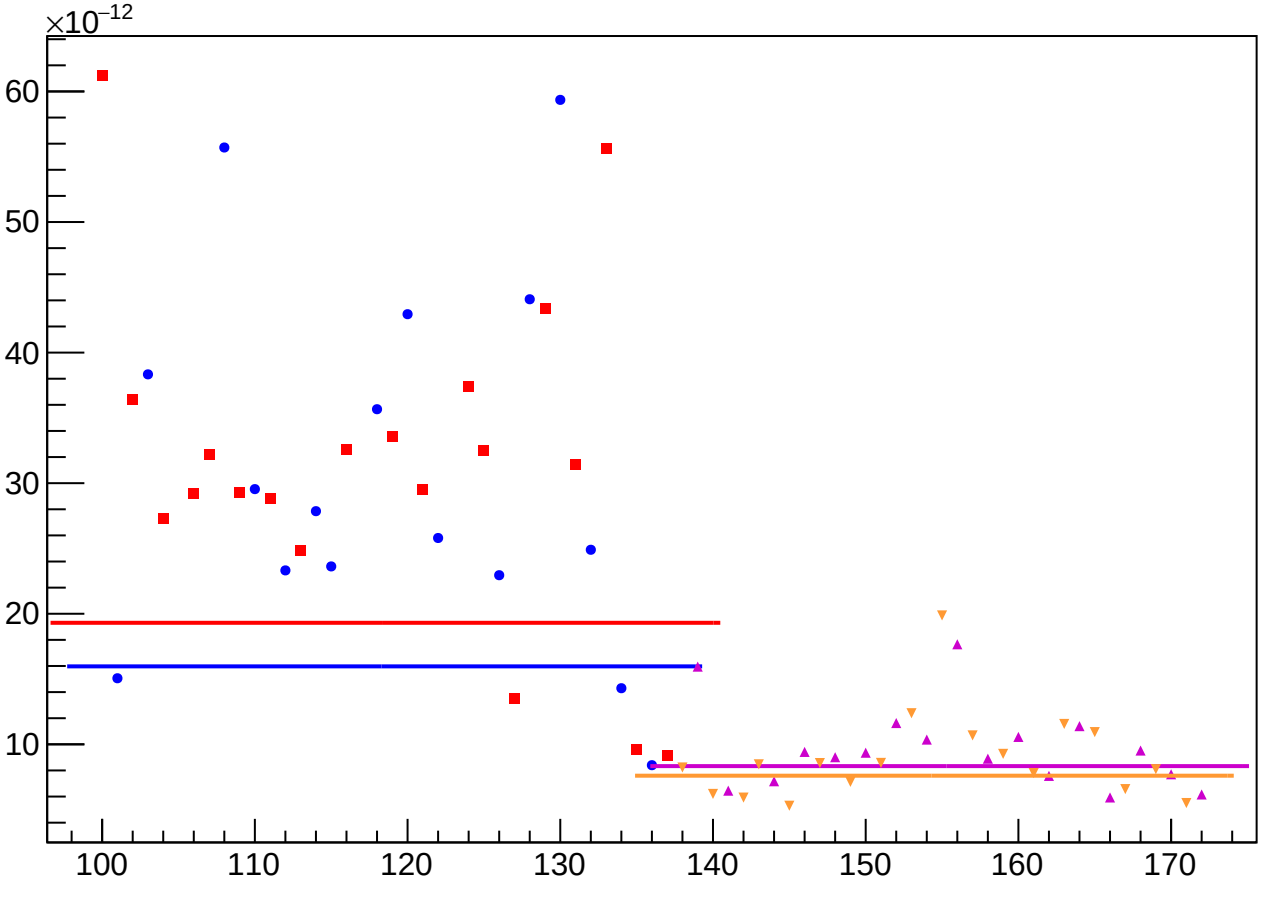
Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: -0.000+/-0.000 χ^2/NDF:29.2/32

Out: 0.000+/-0.000 χ^2/NDF:38.2/36

All: 0.000+/-0.000 χ^2/NDF: 67.3/69

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:1438049.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2440768.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1323338.8/16

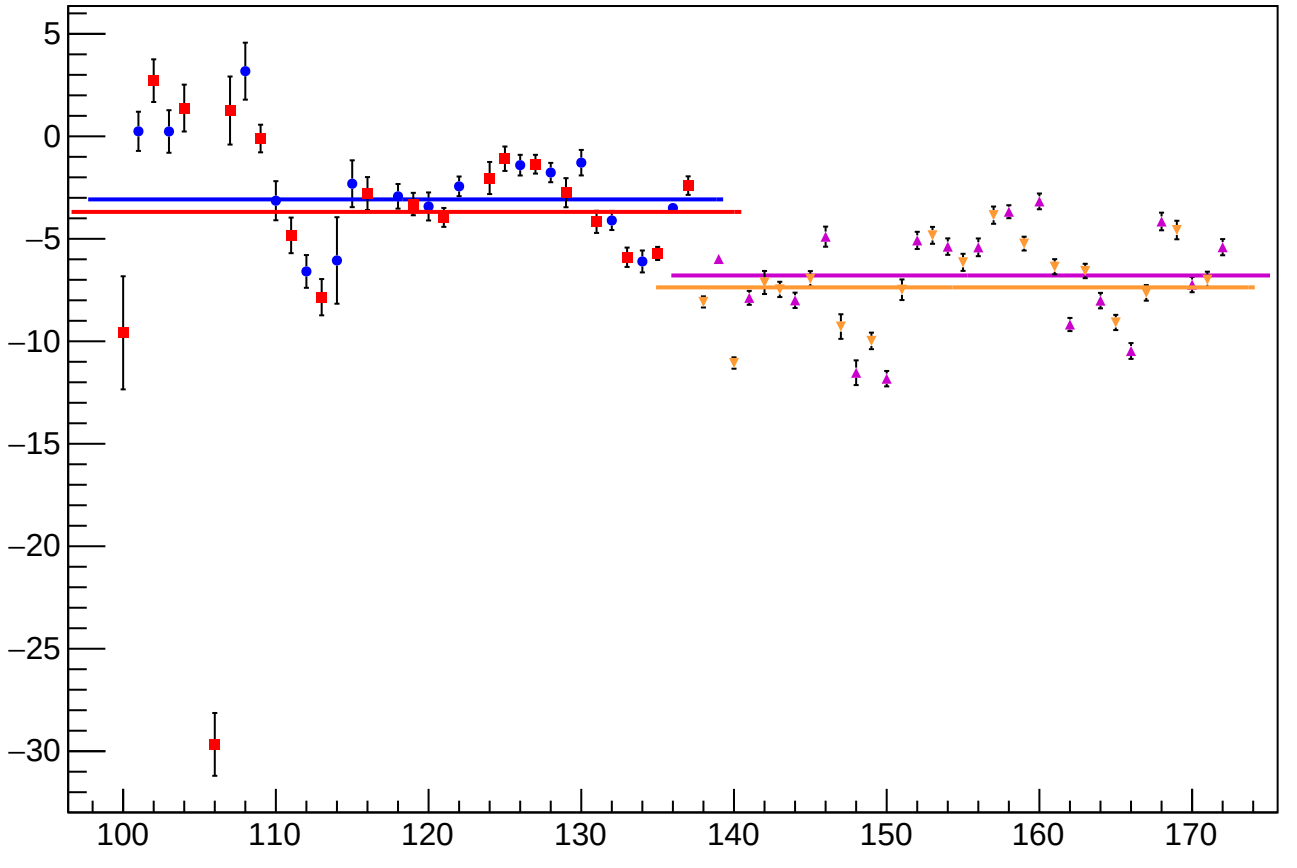
Left: 0.000+/-0.000 χ^2/NDF: 2832443.4/34

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:6342484.3/36

All: 0.000+/-0.000 χ^2/NDF: 11948040.6/69



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -7.369+/-0.090 χ^2/NDF:467.2/17

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: -7.079+/-0.064 χ^2/NDF: 1207.7/34

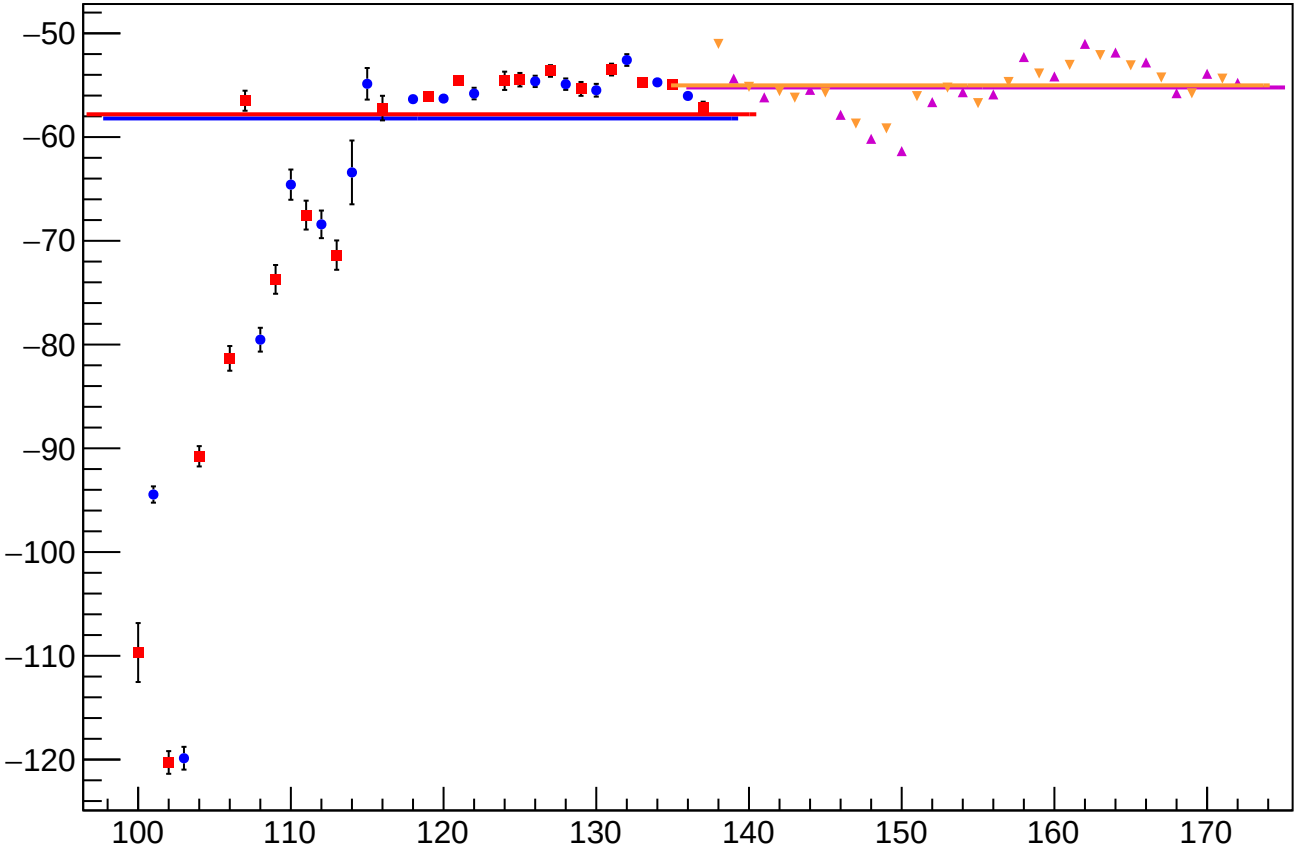
Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -5.649+/-0.075 χ^2/NDF:1375.5/32

Out: -6.297+/-0.076 χ^2/NDF:1490.9/36

All: -5.970+/-0.053 χ^2/NDF: 2903.5/69

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -58.204+/-0.136 χ^2/NDF: 6126.9/15

Left Out: -55.017+/-0.066 χ^2/NDF:944.0/17

Right Out: -57.804+/-0.138 χ^2/NDF: 5792.7/18

Left In: -55.218+/-0.068 χ^2/NDF:1685.2/16

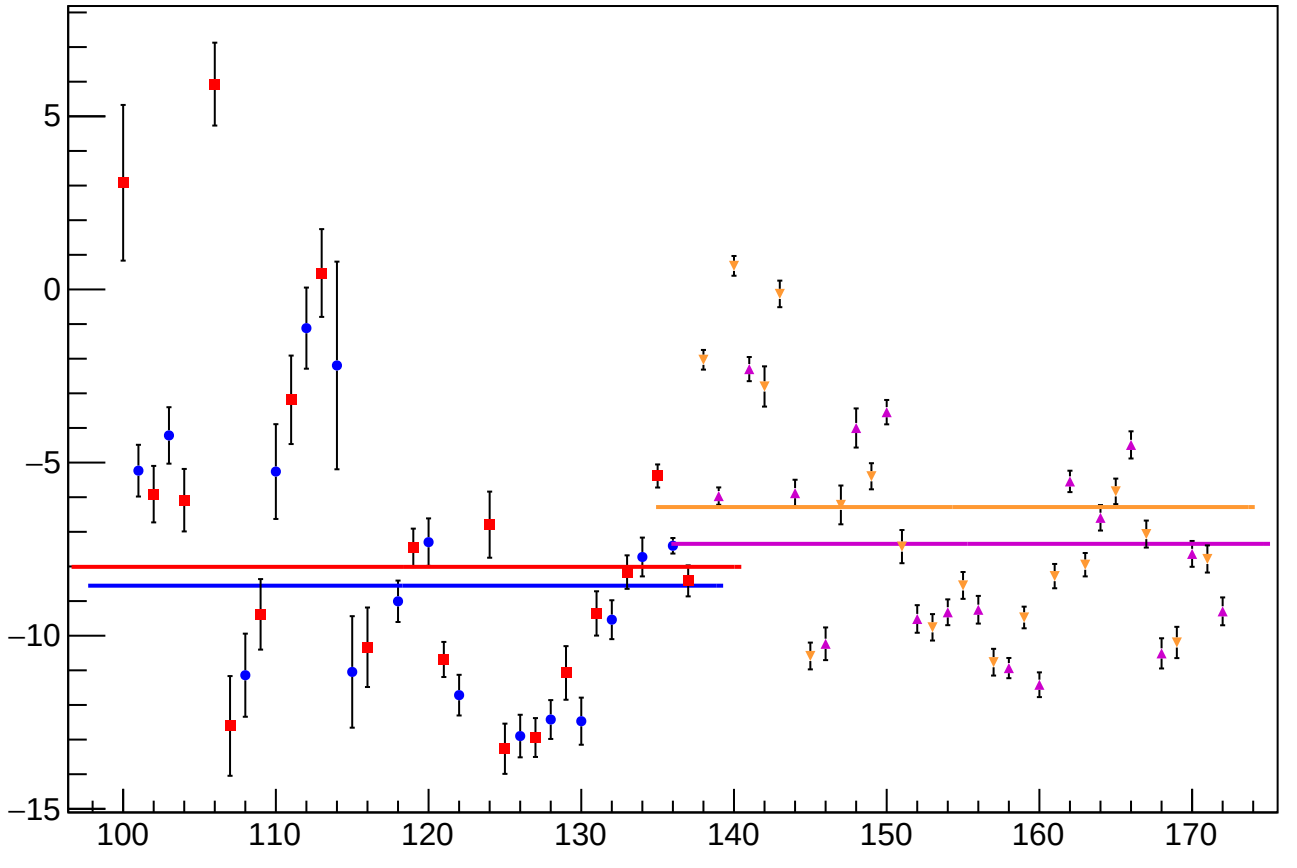
Left: -55.114+/-0.047 χ^2/NDF: 2633.6/34

Right: -58.008+/-0.097 χ^2/NDF: 11923.9/34

In: -55.820+/-0.061 χ^2/NDF:8199.6/32

Out: -55.534+/-0.060 χ^2/NDF:7066.5/36

All: -55.674+/-0.043 χ^2/NDF: 15277.4/69



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -6.285+/-0.088 χ^2/NDF:1755.3/17

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -7.347+/-0.088 χ^2/NDF:972.4/16

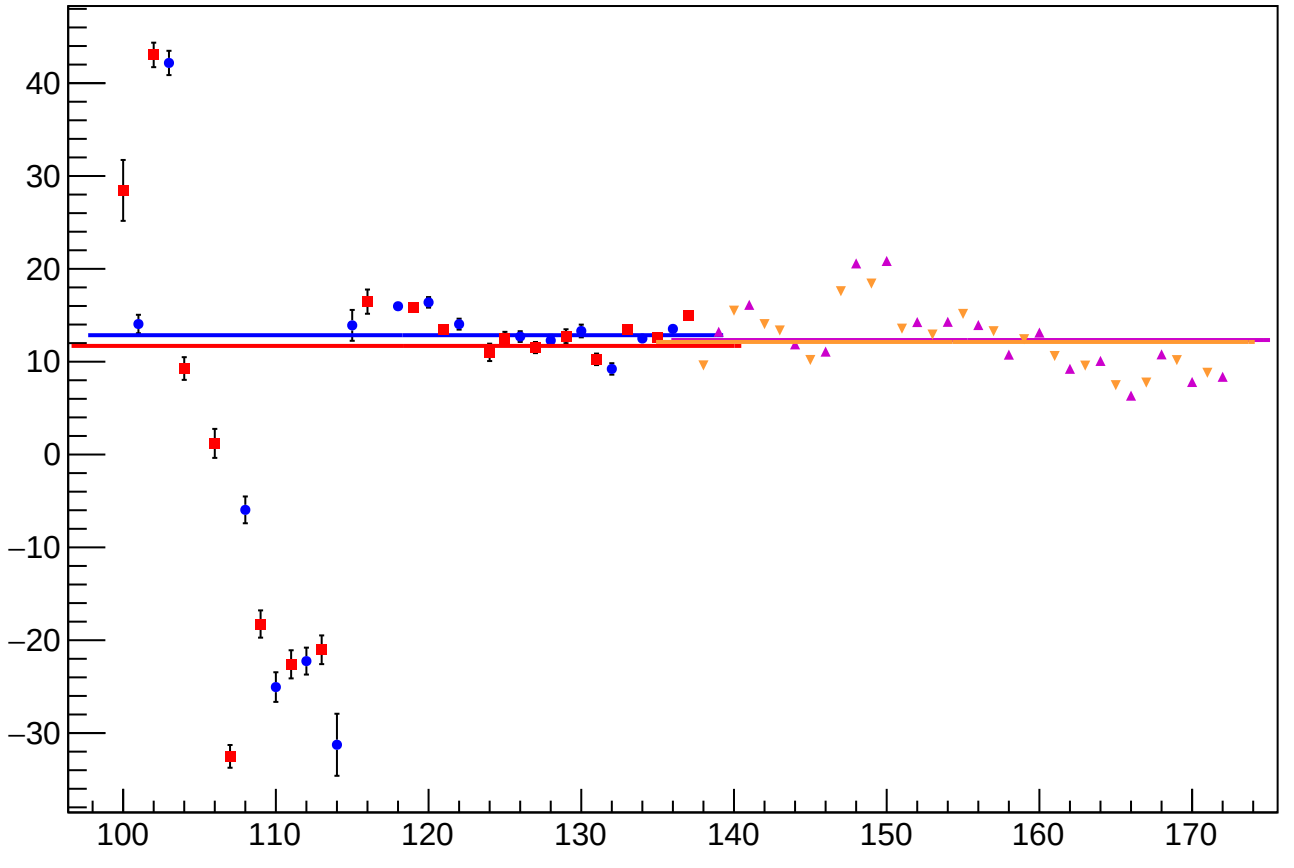
Left: -6.817+/-0.062 χ^2/NDF: 2800.2/34

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.674+/-0.075 χ^2/NDF:1324.0/32

Out: -6.716+/-0.076 χ^2/NDF:2340.2/36

All: -7.202+/-0.054 χ^2/NDF: 3743.9/69



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 12.126+/-0.075 χ^2/NDF:1641.1/17

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 12.333+/-0.076 χ^2/NDF:2476.9/16

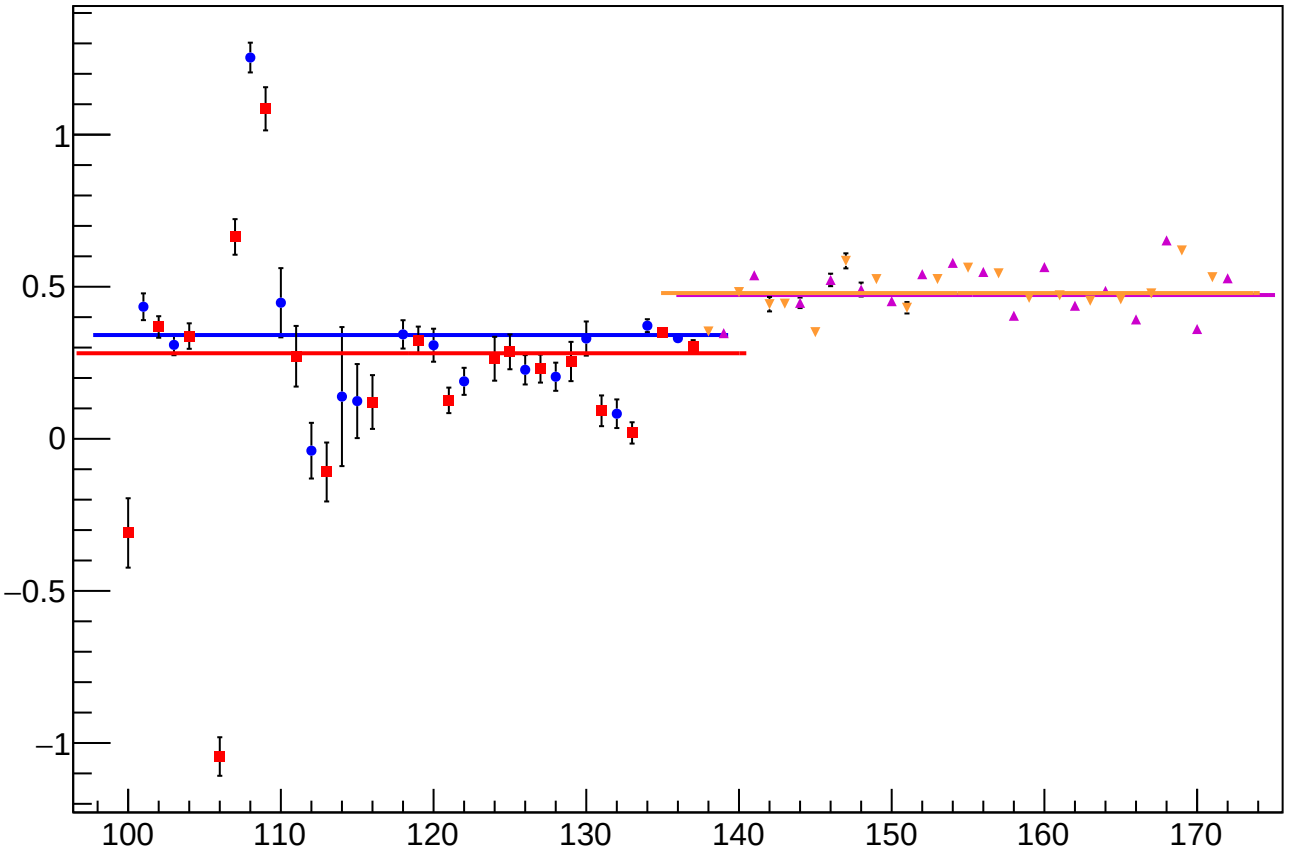
Left: 12.227+/-0.053 χ^2/NDF: 4121.8/34

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 12.439+/-0.068 χ^2/NDF:4614.9/32

Out: 12.045+/-0.067 χ^2/NDF:5146.0/36

All: 12.241+/-0.048 χ^2/NDF: 9777.8/69



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.479+/-0.003 χ^2/NDF:427.2/17

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.473+/-0.003 χ^2/NDF:727.4/16

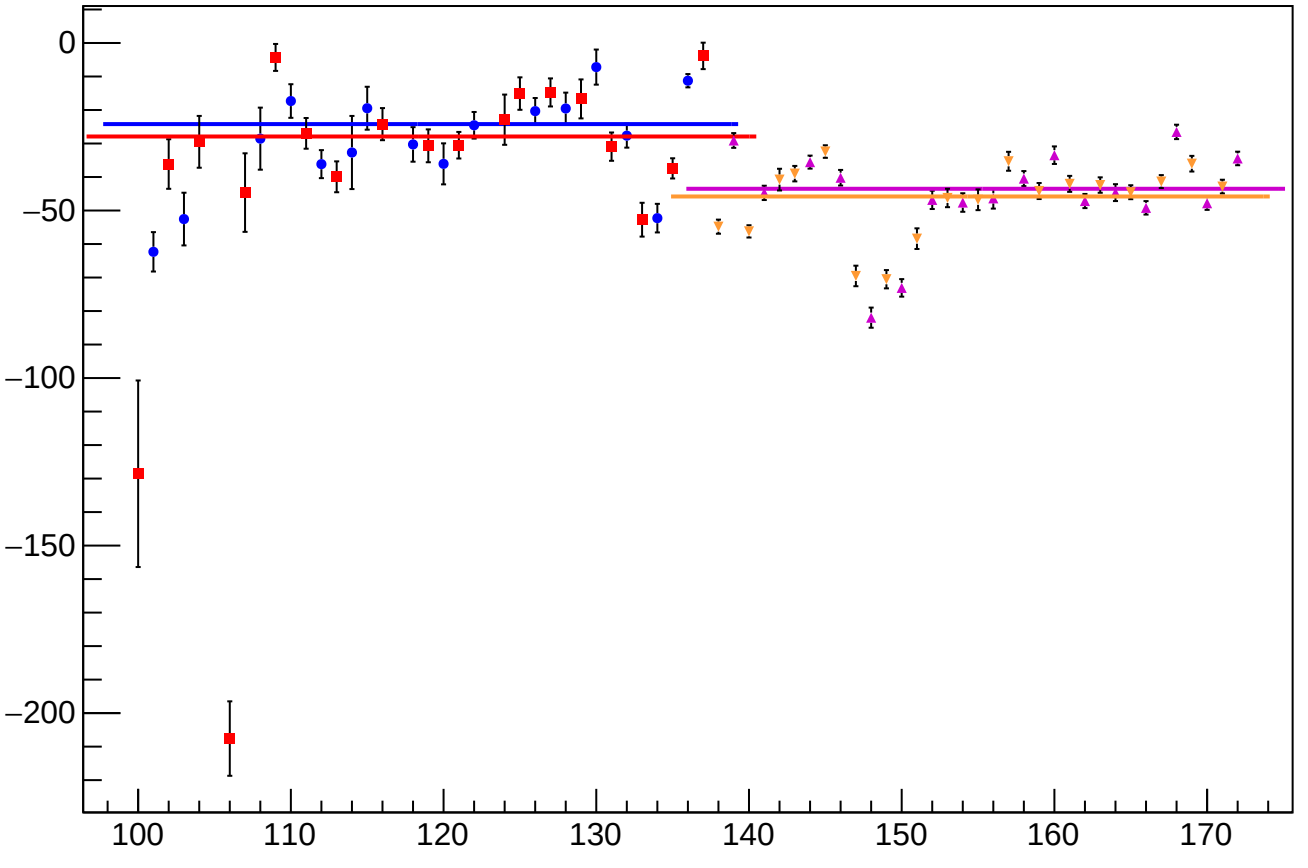
Left: 0.476+/-0.002 χ^2/NDF: 1156.6/34

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.454+/-0.003 χ^2/NDF:1401.0/32

Out: 0.453+/-0.003 χ^2/NDF:1679.3/36

All: 0.454+/-0.002 χ^2/NDF: 3080.2/69



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -45.810+/-0.554 χ^2/NDF:315.5/17

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -43.511+/-0.560 χ^2/NDF:472.5/16

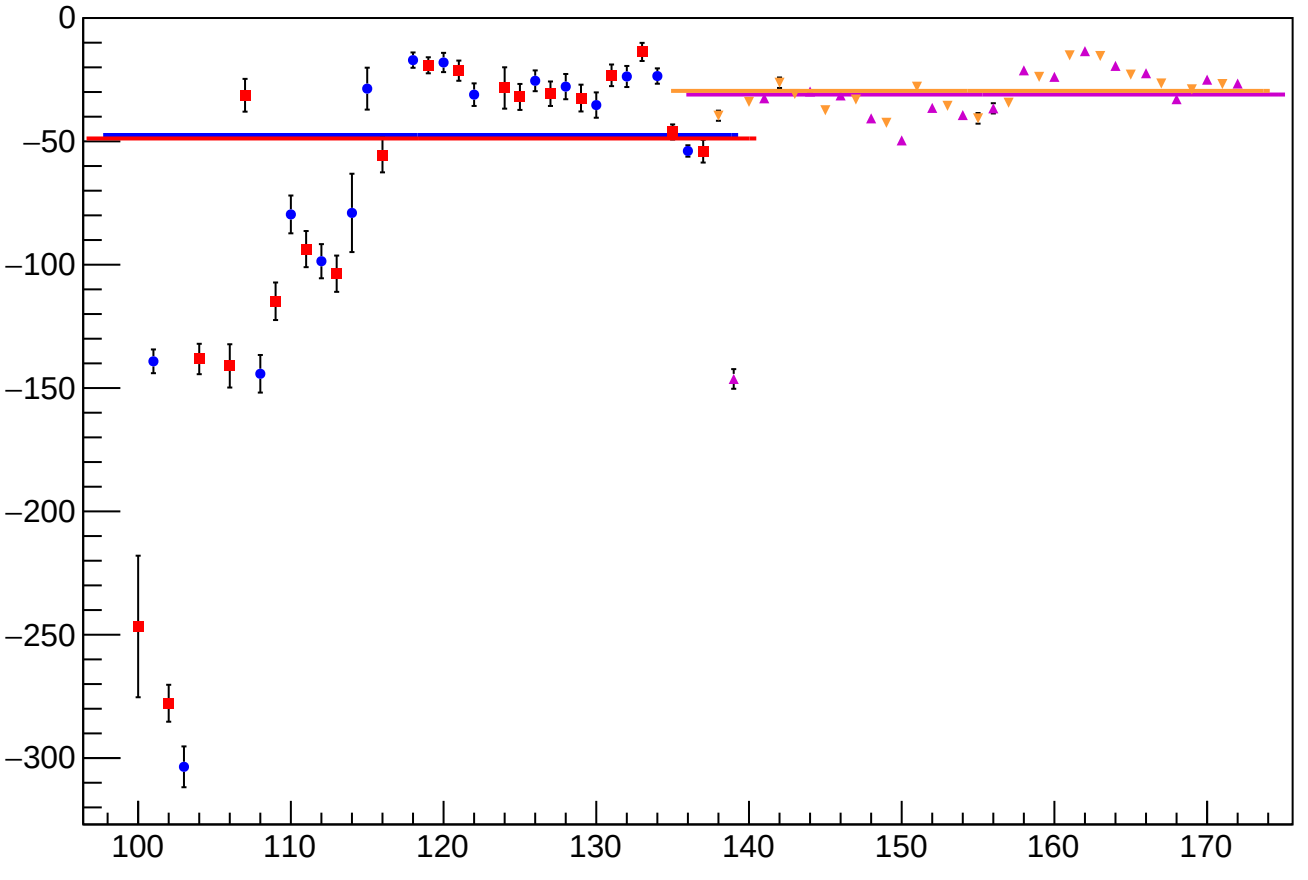
Left: -44.673+/-0.394 χ^2/NDF: 796.5/34

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -39.458+/-0.498 χ^2/NDF:892.8/32

Out: -42.373+/-0.498 χ^2/NDF:929.2/36

All: -40.914+/-0.352 χ^2/NDF: 1839.1/69



Right In: -47.421+/-1.101 χ^2/NDF: 1873.5/15

Left Out: -29.540+/-0.396 χ^2/NDF:359.3/17

Right Out: -48.831+/-1.182 χ^2/NDF: 1774.6/18

Left In: -31.021+/-0.403 χ^2/NDF:1298.4/16

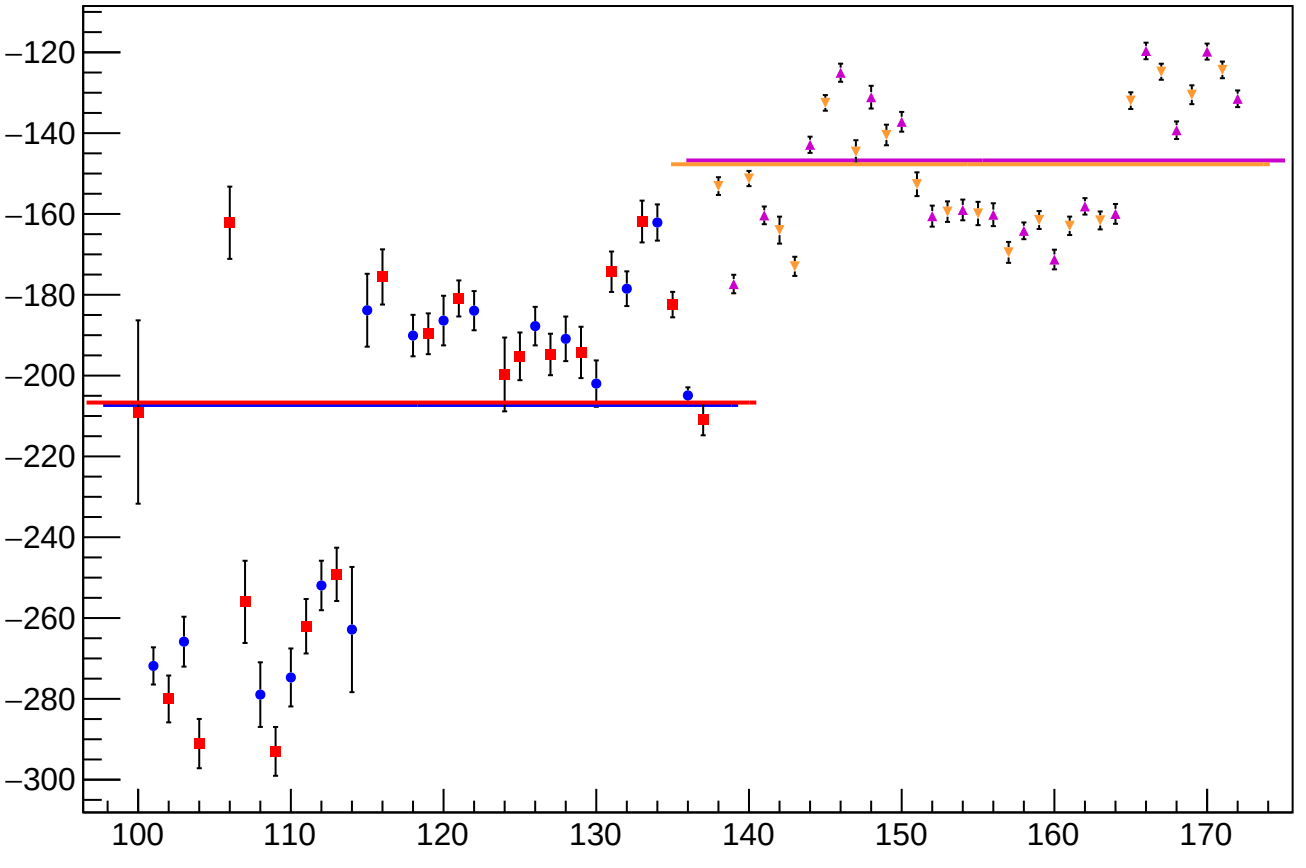
Left: -30.266+/-0.283 χ^2/NDF: 1664.5/34

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -32.962+/-0.379 χ^2/NDF:3367.5/32

Out: -31.485+/-0.375 χ^2/NDF:2373.2/36

All: -32.217+/-0.267 χ^2/NDF: 5748.4/69



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -147.700+/-0.547 χ^2/NDF:827.6/17

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -146.762+/-0.549 χ^2/NDF:1092.3/16

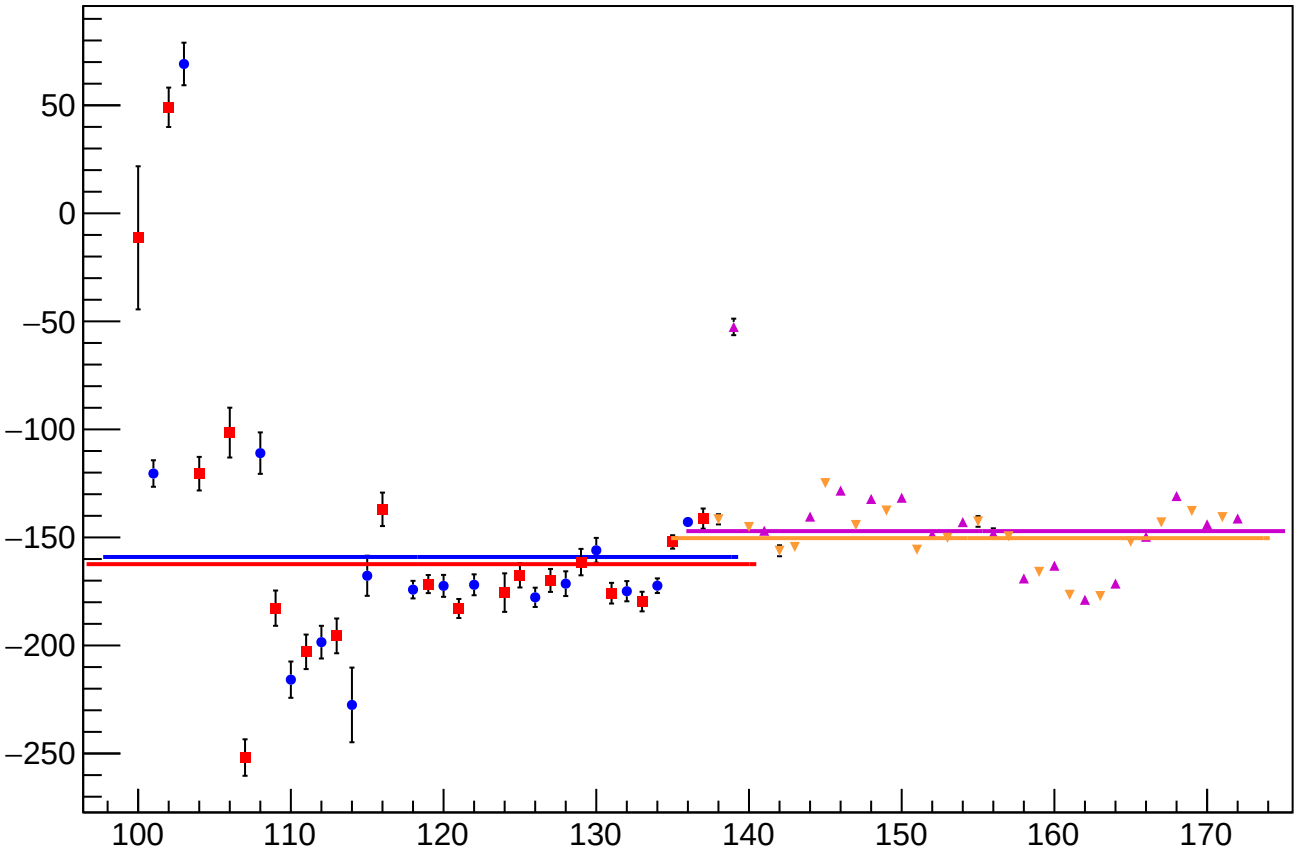
Left: -147.233+/-0.387 χ^2/NDF: 1921.4/34

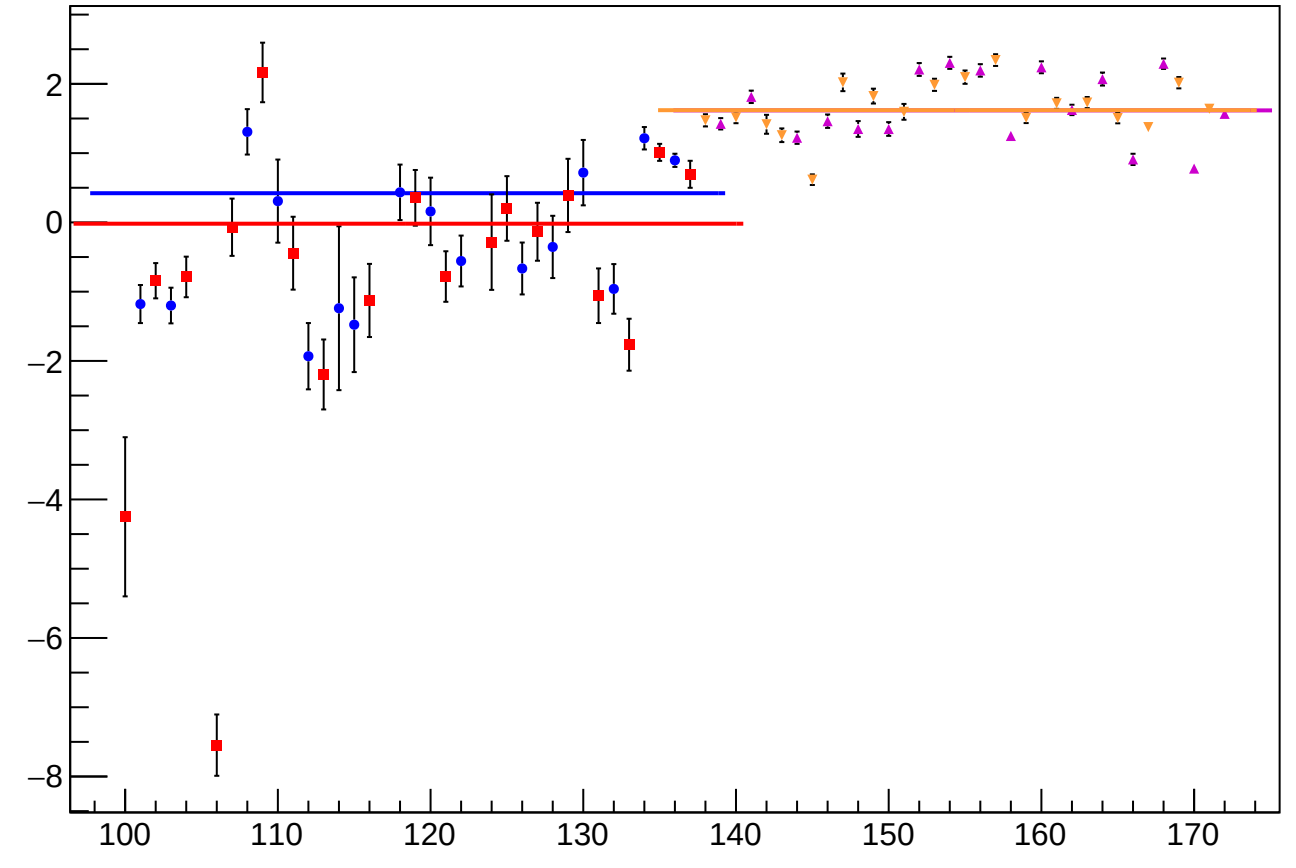
Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

In: -157.563+/-0.498 χ^2/NDF:4006.7/32

Out: -156.804+/-0.503 χ^2/NDF:3593.5/36

All: -157.187+/-0.354 χ^2/NDF: 7601.4/69


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: -150.328+/-0.453 χ²/NDF:969.5/17
Right Out: -162.370+/-1.324 χ²/NDF: 872.6/18
Left In: -147.075+/-0.459 χ²/NDF:1701.9/16
Left: -148.724+/-0.322 χ²/NDF: 2696.9/34
Right: -160.581+/-0.899 χ²/NDF: 1691.7/34
In: -148.547+/-0.430 χ²/NDF:2601.4/32
Out: -151.588+/-0.428 χ²/NDF:1916.1/36
All: -150.072+/-0.303 χ²/NDF: 4542.6/69



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.620+/-0.020 χ^2/NDF:362.1/17

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

Left In: 1.617+/-0.020 χ^2/NDF:597.9/16

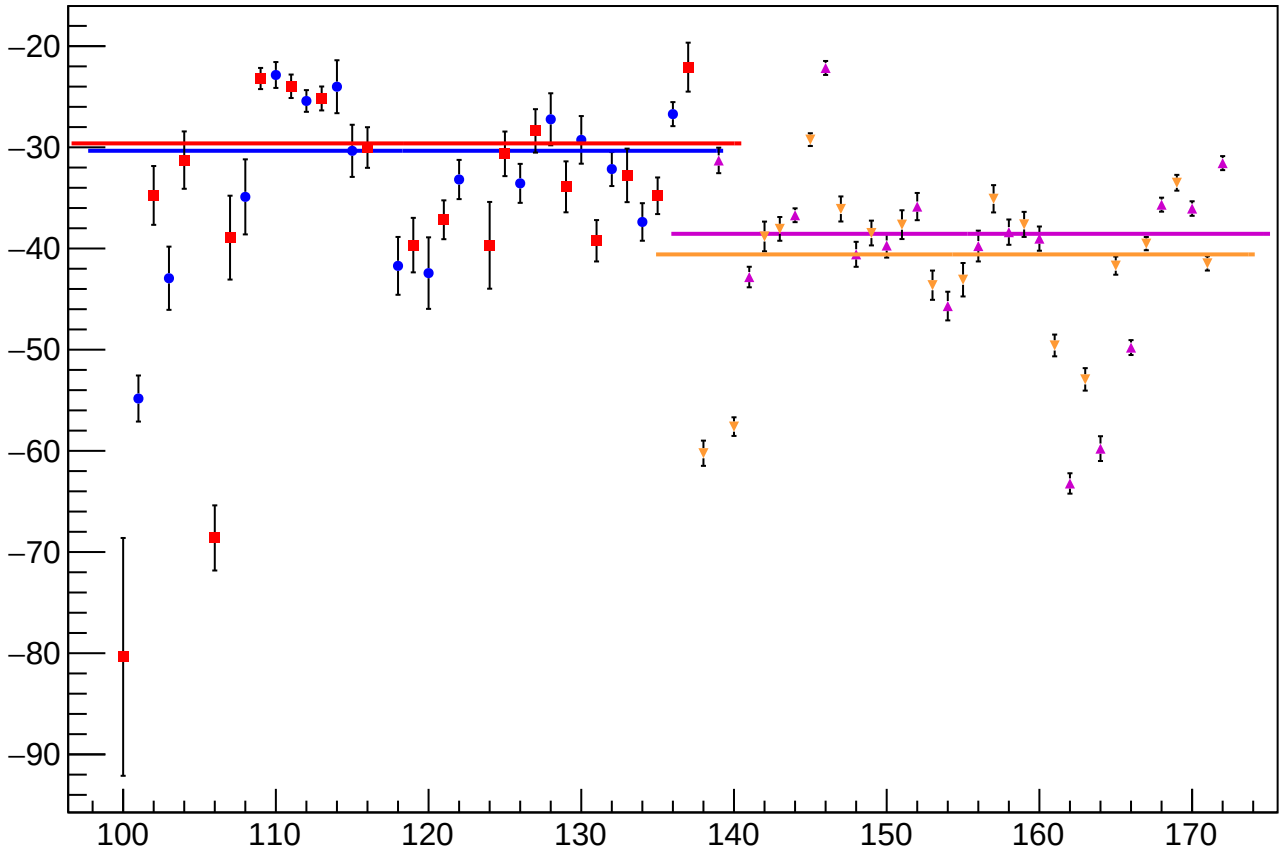
Left: 1.619+/-0.014 χ^2/NDF: 960.0/34

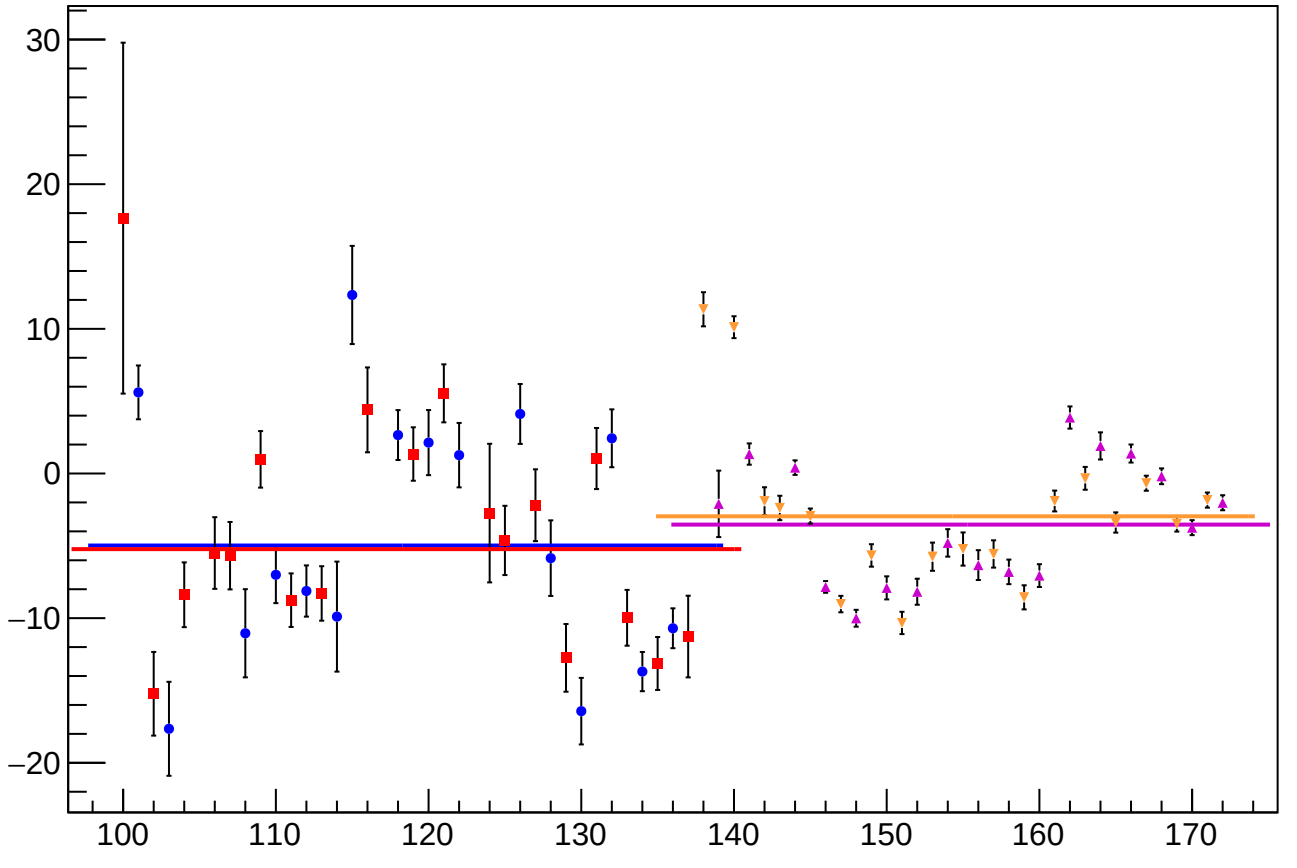
Right: 0.225+/-0.048 χ^2/NDF: 706.4/34

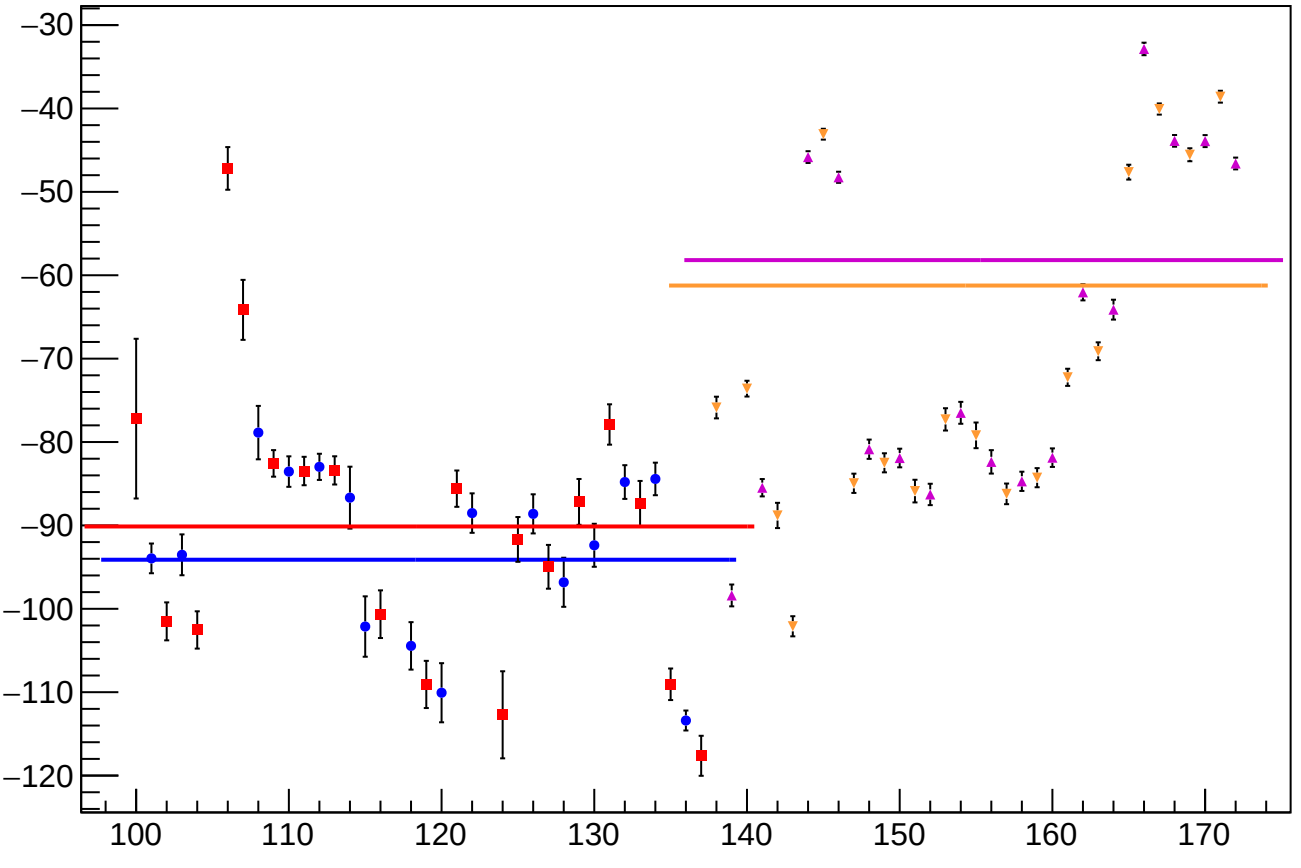
In: 1.510+/-0.019 χ^2/NDF:1105.4/32

Out: 1.499+/-0.020 χ^2/NDF:1326.0/36

All: 1.505+/-0.014 χ^2/NDF: 2431.5/69


reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−30
−40
−50
−60
−70
−80
−90
100
110
120
130
140
150
160
170
Right In: -30.341+/-0.468 χ²/NDF: 253.6/15
Left Out: -40.584+/-0.234 χ²/NDF:1249.4/17
Right Out: -29.613+/-0.450 χ²/NDF: 329.2/18
Left In: -38.549+/-0.226 χ²/NDF:1917.4/16
Left: -39.530+/-0.163 χ²/NDF: 3205.9/34
Right: -29.963+/-0.324 χ²/NDF: 584.0/34
In: -36.998+/-0.203 χ²/NDF:2420.6/32
Out: -38.252+/-0.208 χ²/NDF:2045.7/36
All: -37.612+/-0.145 χ²/NDF: 4484.9/69


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: -4.980+/-0.510 χ²/NDF: 237.3/15
Left Out: -2.960+/-0.167 χ²/NDF:768.4/17
Right Out: -5.228+/-0.524 χ²/NDF: 136.5/18
Left In: -3.533+/-0.160 χ²/NDF:677.8/16
Left: -3.259+/-0.116 χ²/NDF: 1452.4/34
Right: -5.100+/-0.365 χ²/NDF: 373.9/34
In: -3.663+/-0.153 χ²/NDF:922.5/32
Out: -3.169+/-0.159 χ²/NDF:921.9/36
All: -3.426+/-0.110 χ²/NDF: 1849.4/69



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -61.233+/-0.232 χ^2/NDF:7555.0/17

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

Left In: -58.183+/-0.223 χ^2/NDF:7205.3/16

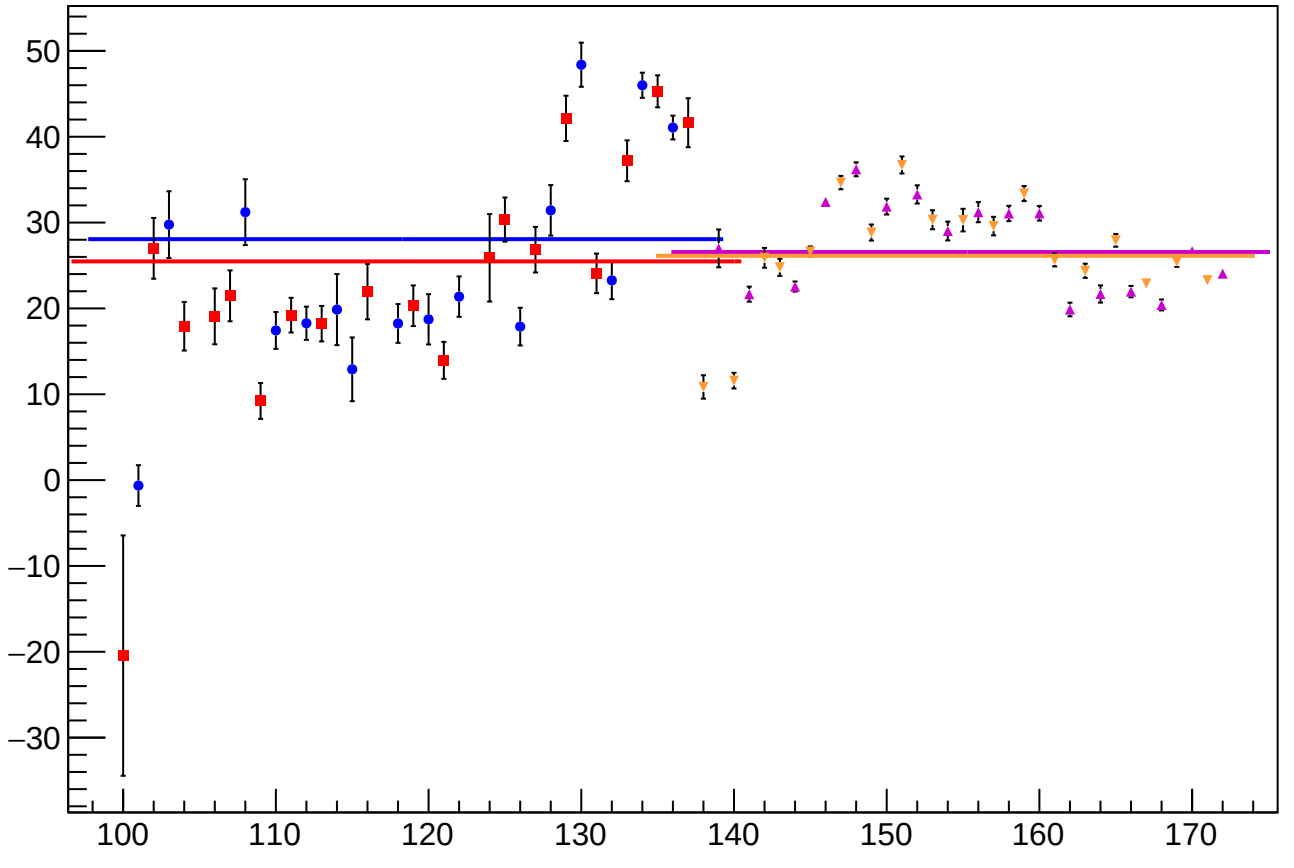
Left: -59.648+/-0.161 χ^2/NDF: 14850.1/34

Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

In: -63.473+/-0.206 χ^2/NDF:11489.8/32

Out: -65.698+/-0.213 χ^2/NDF:10738.9/36

All: -64.547+/-0.148 χ^2/NDF: 22284.9/69



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 26.126+/-0.191 χ^2/NDF:794.5/17

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 26.572+/-0.184 χ^2/NDF:752.2/16

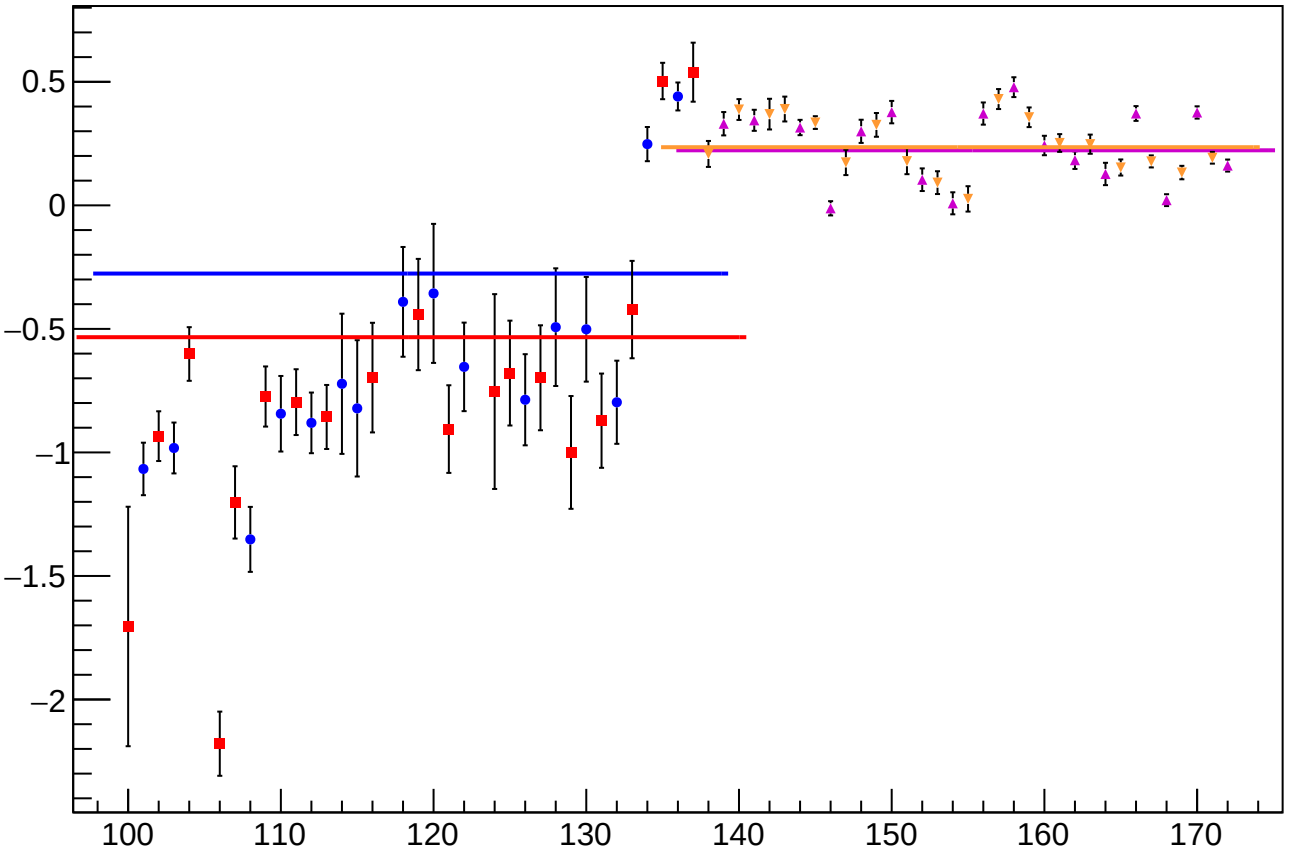
Left: 26.357+/-0.132 χ^2/NDF: 1549.5/34

Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 26.714+/-0.175 χ^2/NDF:1341.6/32

Out: 26.065+/-0.182 χ^2/NDF:1150.2/36

All: 26.401+/-0.126 χ^2/NDF: 2498.4/69



Right In: -0.276+/-0.031 χ^2/NDF: 455.6/15

Left Out: 0.235+/-0.009 χ^2/NDF:136.9/17

Right Out: -0.534+/-0.033 χ^2/NDF: 510.3/18

Left In: 0.223+/-0.008 χ^2/NDF:329.5/16

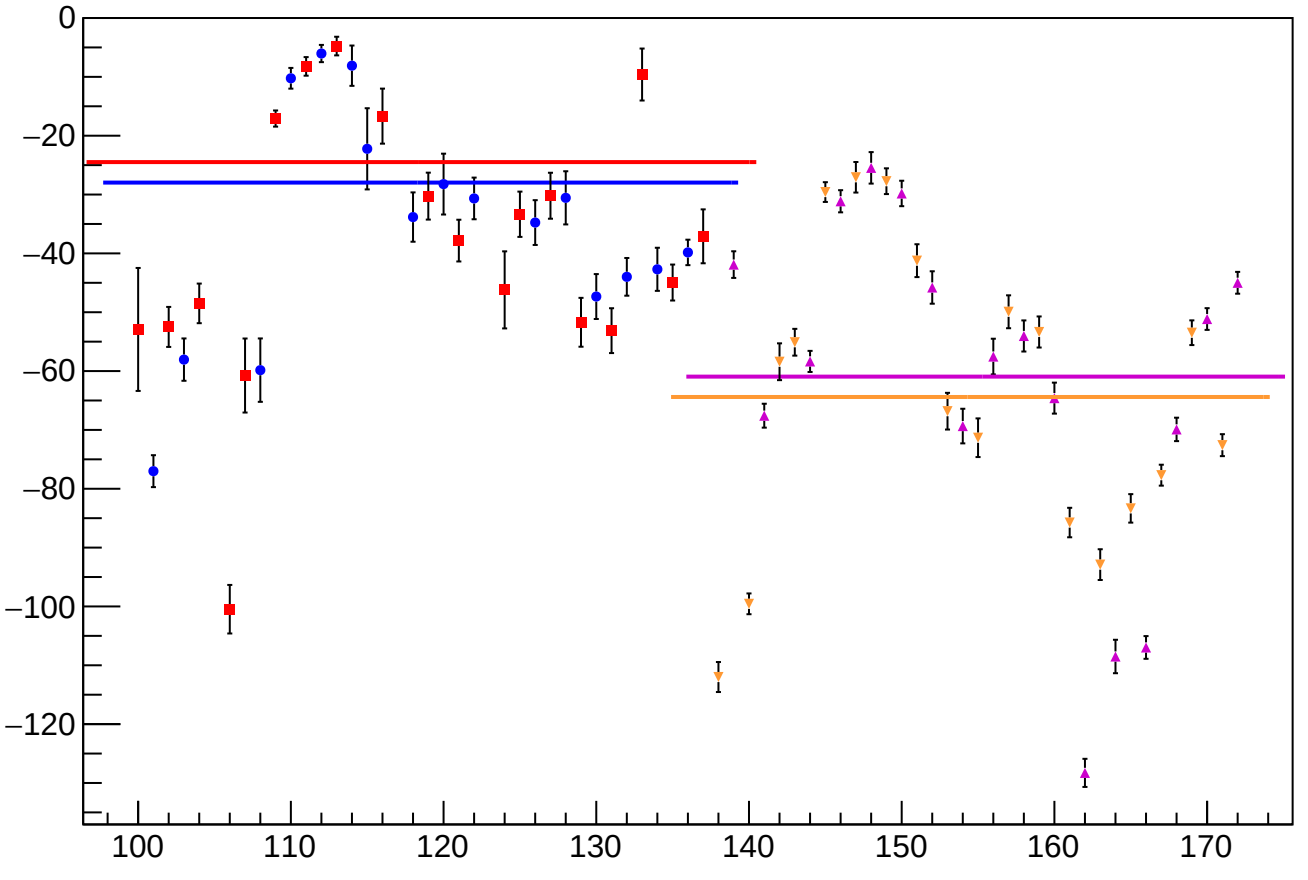
Left: 0.229+/-0.006 χ^2/NDF: 467.5/34

Right: -0.396+/-0.022 χ^2/NDF: 998.8/34

In: 0.188+/-0.008 χ^2/NDF:1032.0/32

Out: 0.186+/-0.008 χ^2/NDF:1159.9/36

All: 0.187+/-0.006 χ^2/NDF: 2192.0/69



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -64.403+/-0.544 χ^2/NDF:2155.7/17

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -60.942+/-0.540 χ^2/NDF:2530.5/16

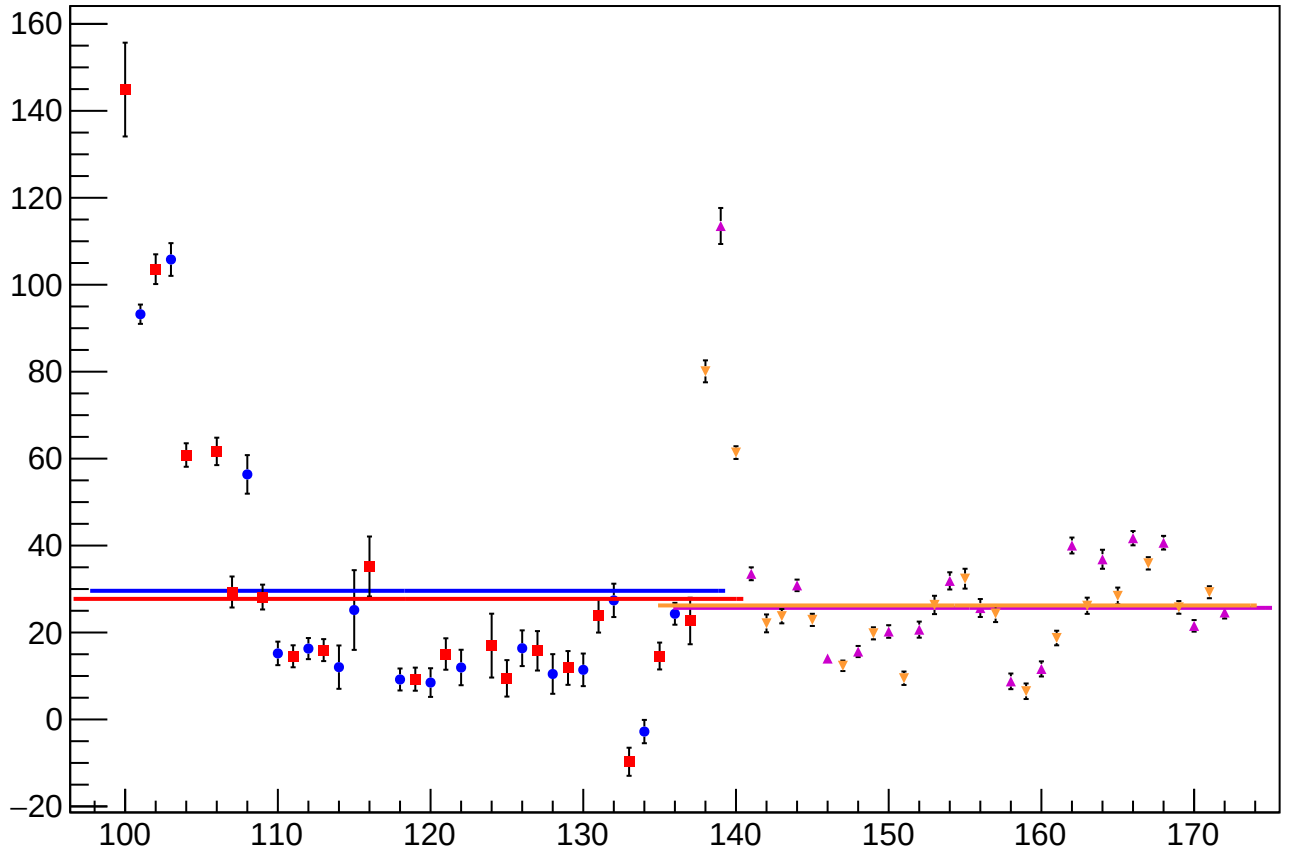
Left: -62.661+/-0.383 χ^2/NDF: 4706.6/34

Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -49.235+/-0.434 χ^2/NDF:4749.9/32

Out: -48.350+/-0.420 χ^2/NDF:5313.6/36

All: -48.779+/-0.302 χ^2/NDF: 10065.7/69



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 26.225+/-0.385 χ^2/NDF:1514.8/17

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 25.671+/-0.386 χ^2/NDF:1125.5/16

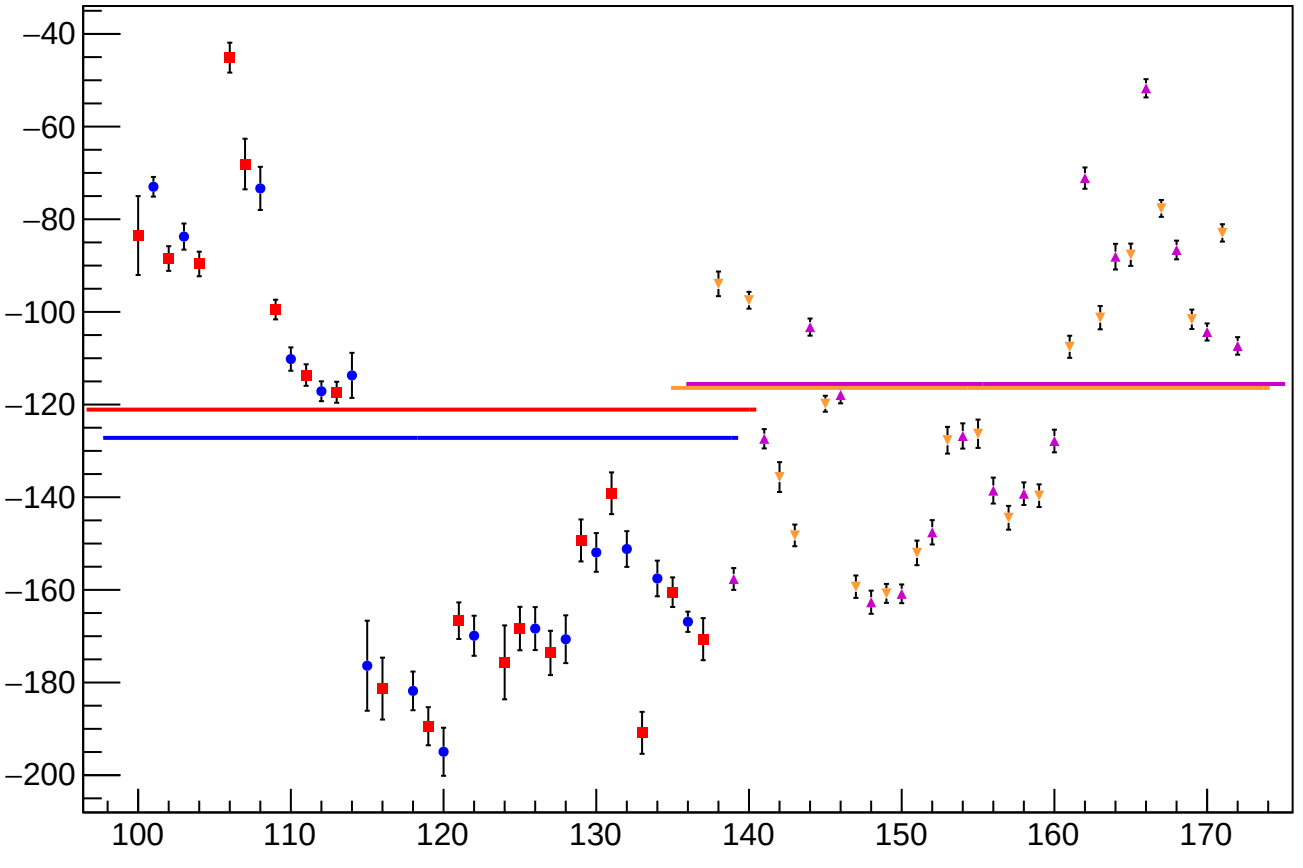
Left: 25.949+/-0.273 χ^2/NDF: 2641.3/34

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 26.402+/-0.348 χ^2/NDF:2810.4/32

Out: 26.511+/-0.347 χ^2/NDF:2702.8/36

All: 26.457+/-0.246 χ^2/NDF: 5513.2/69



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -116.396+/-0.536 χ^2/NDF:2616.4/17

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -115.567+/-0.531 χ^2/NDF:3391.9/16

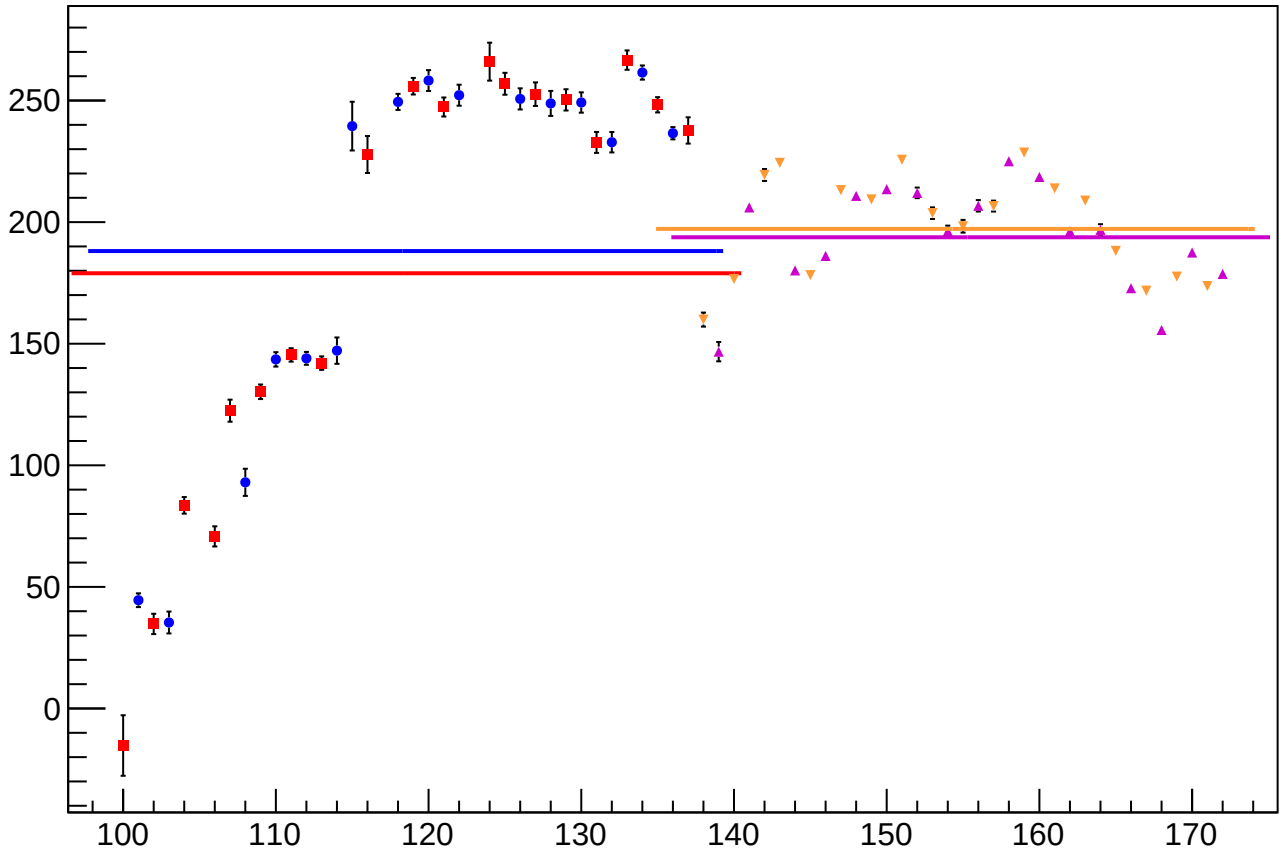
Left: -115.977+/-0.377 χ^2/NDF: 6009.5/34

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -118.943+/-0.447 χ^2/NDF:5709.4/32

Out: -117.856+/-0.445 χ^2/NDF:5037.5/36

All: -118.397+/-0.315 χ^2/NDF: 10749.9/69



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 197.209+/-0.444 χ^2/NDF:2171.0/17

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 193.774+/-0.443 χ^2/NDF:1769.8/16

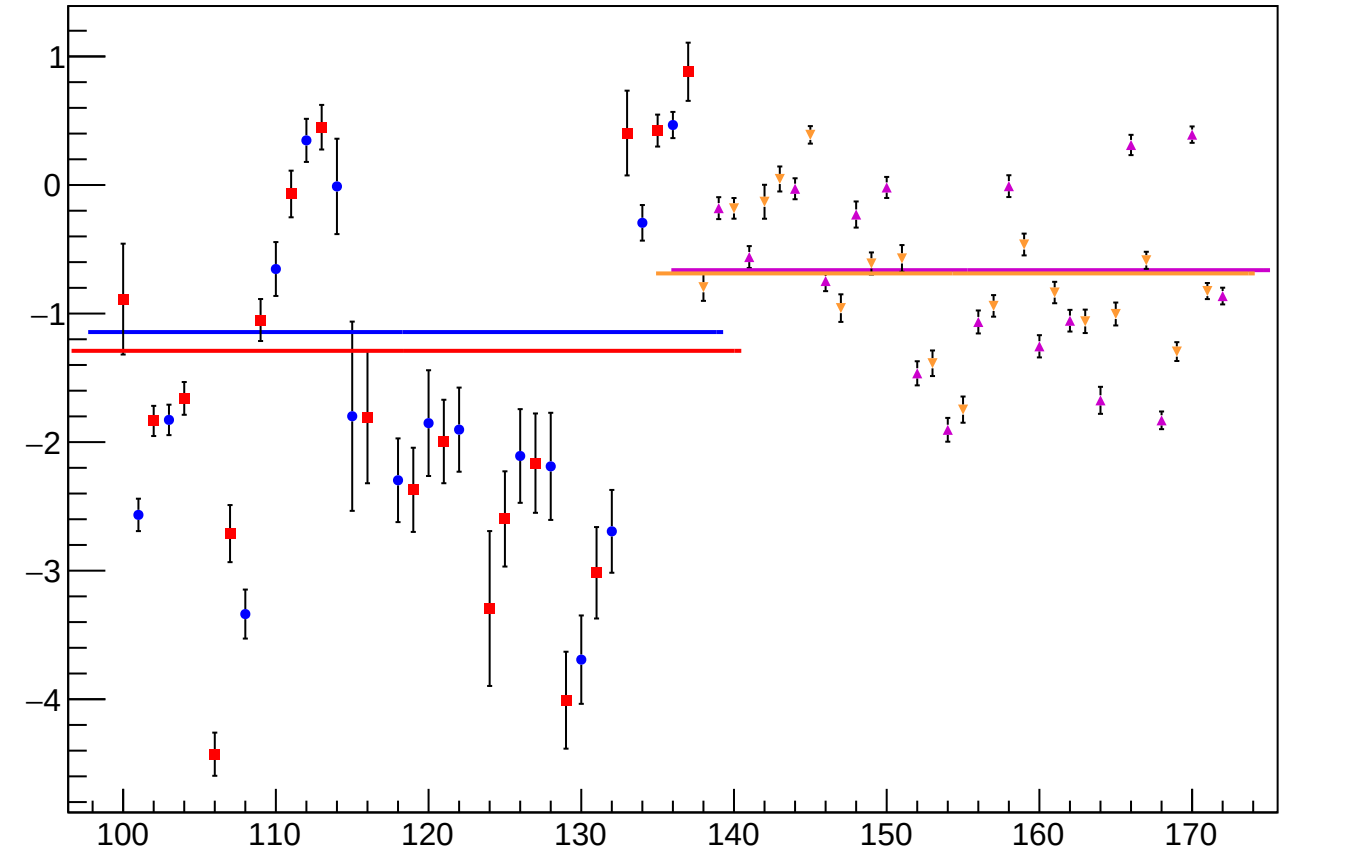
Left: 195.488+/-0.313 χ^2/NDF: 3970.8/34

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 192.705+/-0.399 χ^2/NDF:8919.3/32

Out: 193.696+/-0.399 χ^2/NDF:9165.4/36

All: 193.200+/-0.282 χ^2/NDF: 18087.9/69



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.688+/-0.020 χ^2/NDF:656.0/17

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.662+/-0.020 χ^2/NDF:1393.1/16

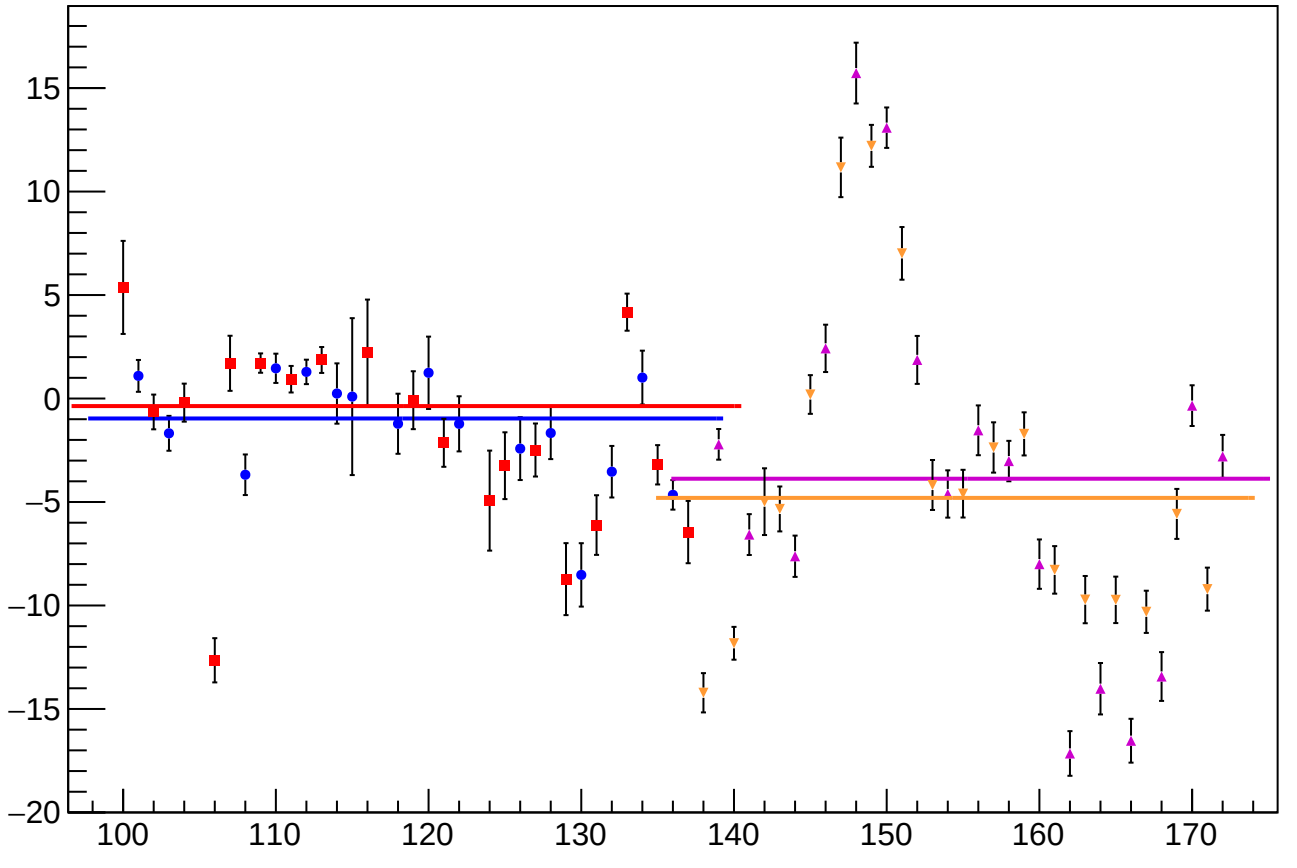
Left: -0.675+/-0.014 χ^2/NDF: 2049.9/34

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.733+/-0.018 χ^2/NDF:2266.4/32

Out: -0.779+/-0.019 χ^2/NDF:1790.7/36

All: -0.756+/-0.013 χ^2/NDF: 4060.4/69



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -4.802+/-0.257 χ^2/NDF:804.5/17

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -3.875+/-0.257 χ^2/NDF:1018.6/16

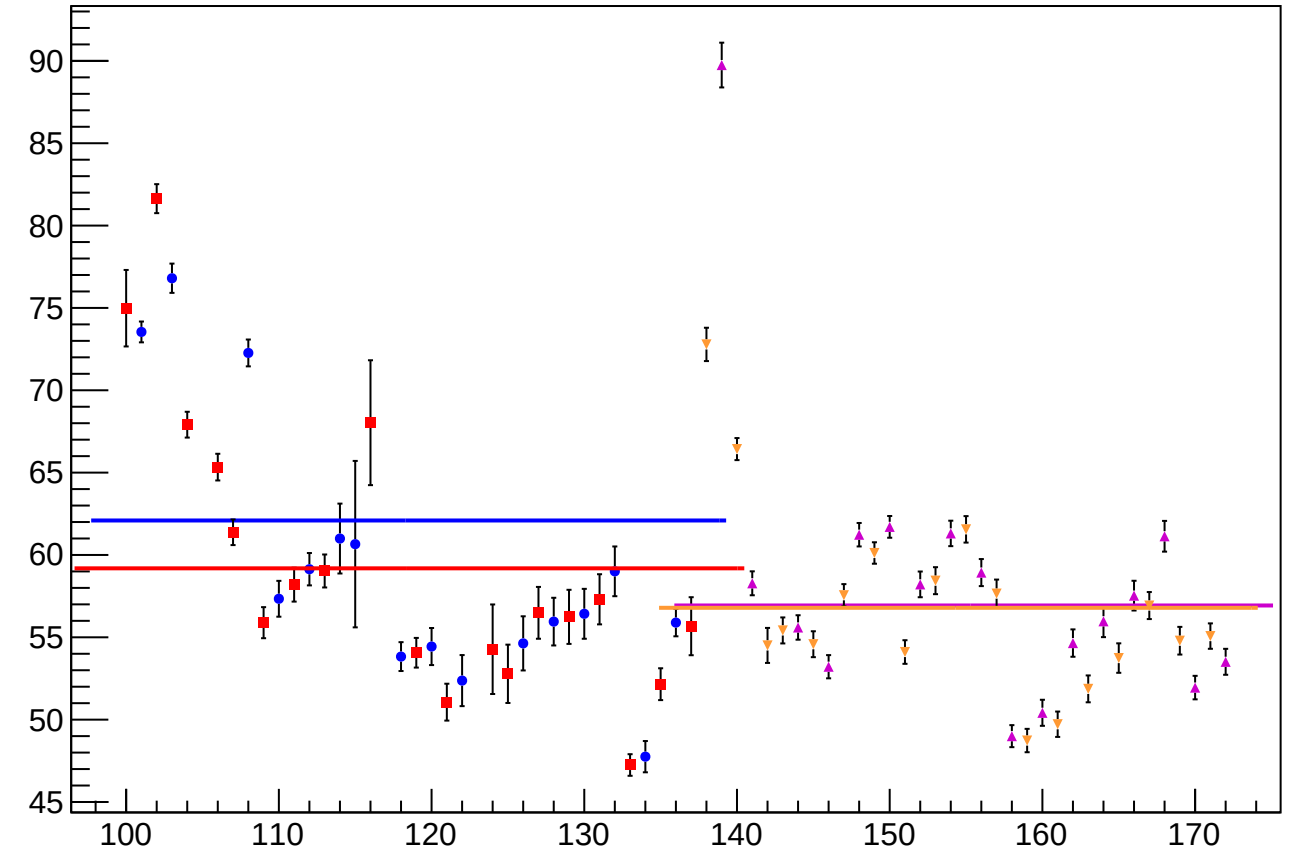
Left: -4.337+/-0.182 χ^2/NDF: 1829.6/34

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -2.399+/-0.180 χ^2/NDF:1186.9/32

Out: -2.274+/-0.169 χ^2/NDF:1254.2/36

All: -2.332+/-0.123 χ^2/NDF: 2441.4/69



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 56.791+/-0.185 χ^2/NDF:825.9/17

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 56.932+/-0.190 χ^2/NDF:1052.4/16

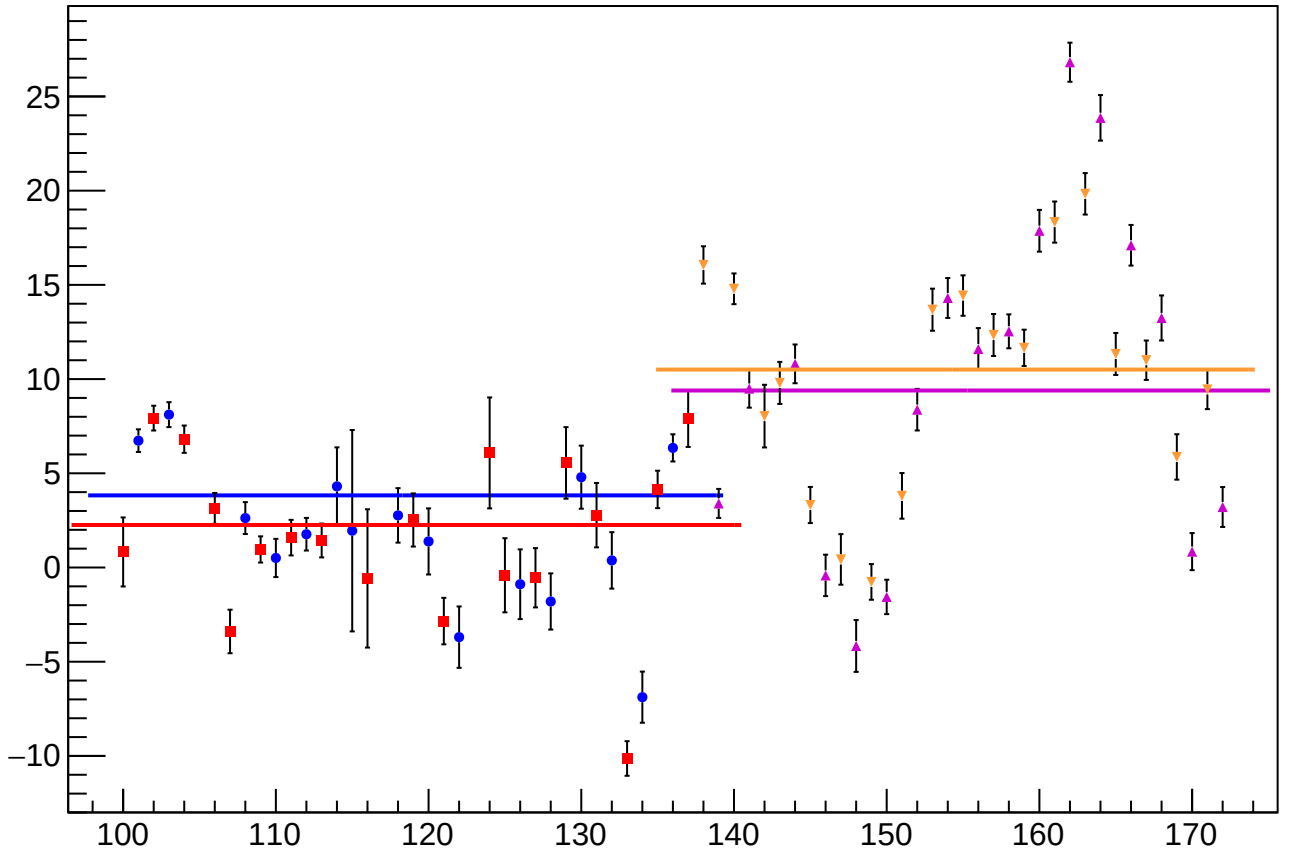
Left: 56.860+/-0.133 χ^2/NDF: 1878.6/34

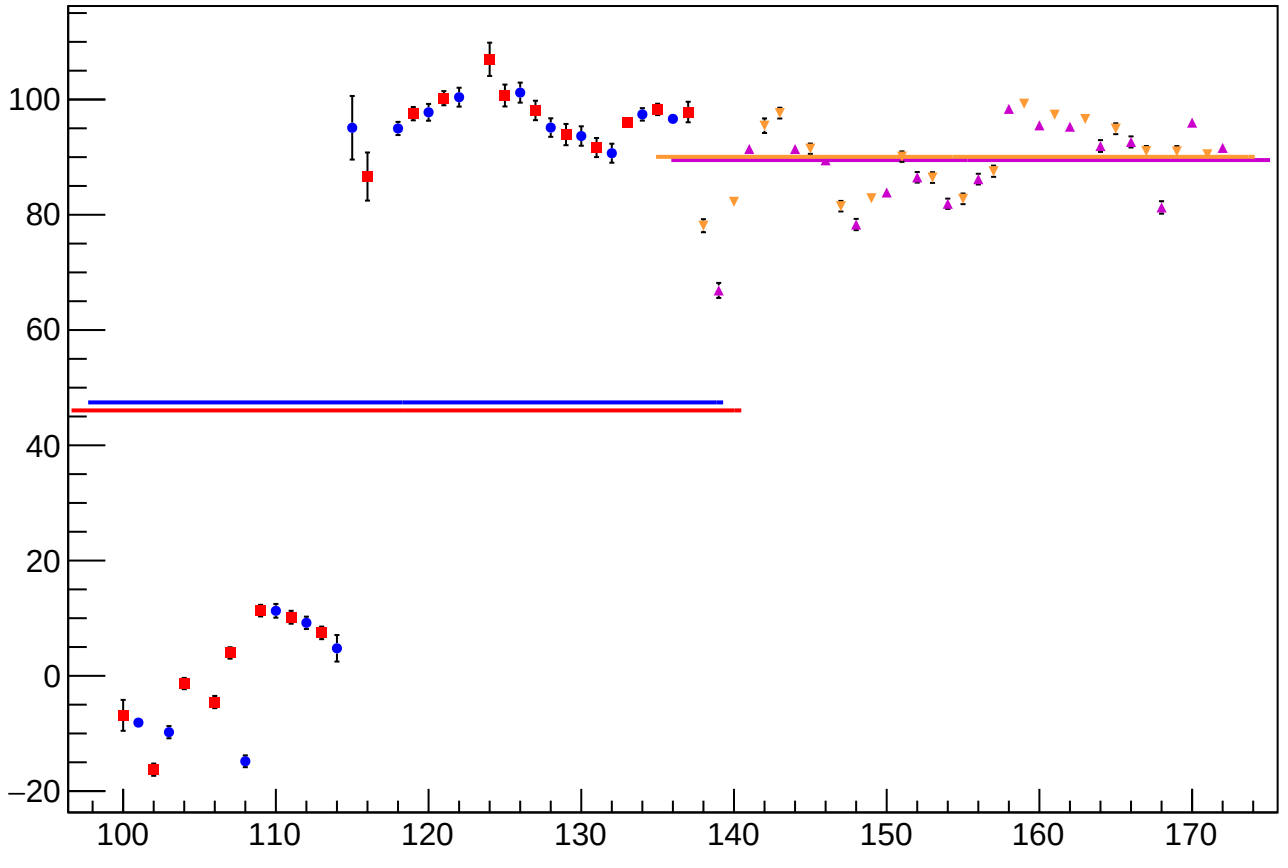
Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 58.684+/-0.155 χ^2/NDF:2603.6/32

Out: 57.667+/-0.147 χ^2/NDF:2289.3/36

All: 58.151+/-0.107 χ^2/NDF: 4915.6/69


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: 10.505+/-0.253 χ²/NDF:511.8/17
Right Out: 2.257+/-0.246 χ²/NDF: 371.9/18
Left In: 9.395+/-0.251 χ²/NDF:1076.5/16
Left: 9.947+/-0.178 χ²/NDF: 1598.0/34
Right: 2.985+/-0.181 χ²/NDF: 599.4/34
In: 6.761+/-0.182 χ²/NDF:1517.1/32
Out: 6.278+/-0.176 χ²/NDF:1429.8/36
All: 6.512+/-0.127 χ²/NDF: 2950.6/69



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 90.052+/-0.212 χ^2/NDF:870.4/17

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 89.491+/-0.215 χ^2/NDF:996.7/16

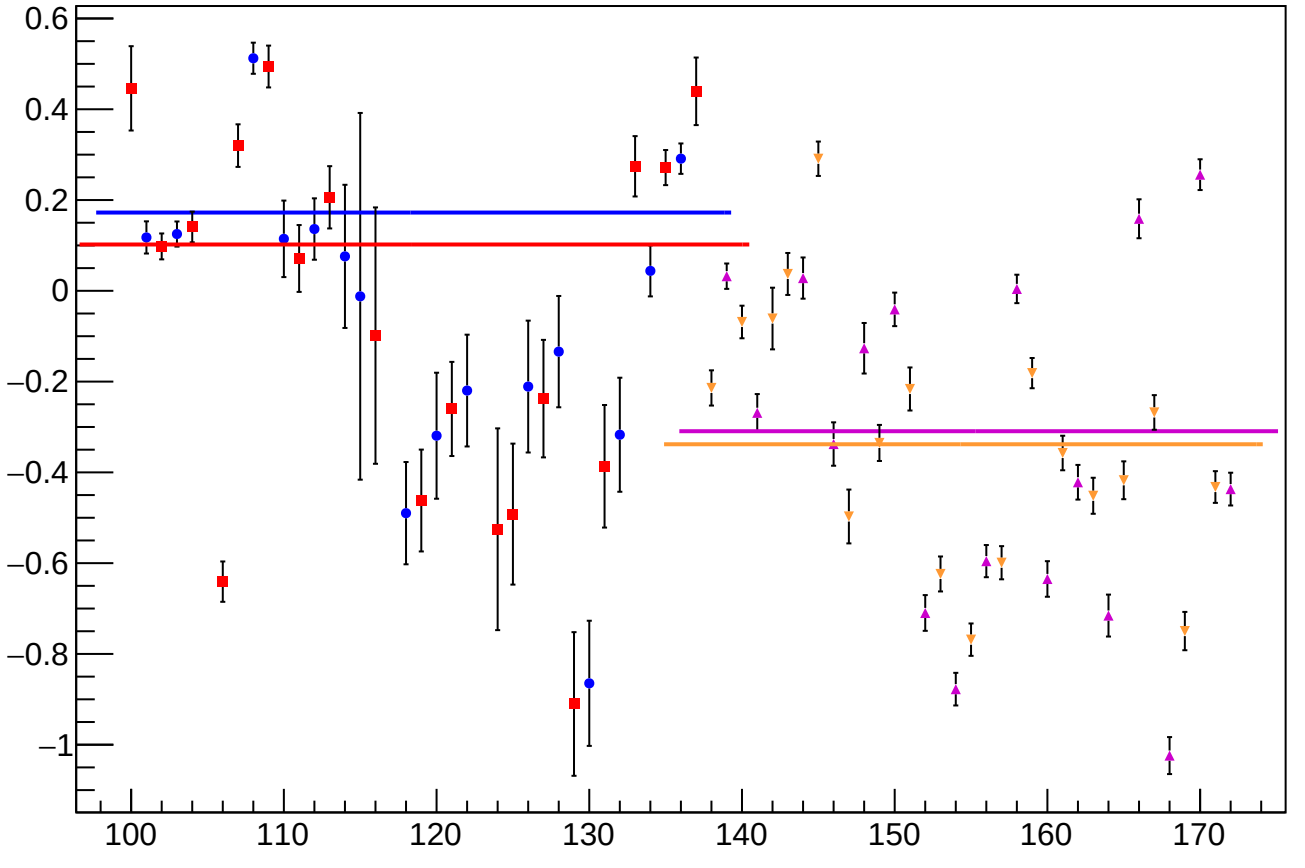
Left: 89.776+/-0.151 χ^2/NDF: 1870.6/34

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 75.711+/-0.176 χ^2/NDF:40408.7/32

Out: 74.381+/-0.170 χ^2/NDF:45174.5/36

All: 75.021+/-0.122 χ^2/NDF: 85612.7/69



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.338+/-0.009 χ^2/NDF:830.4/17

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.309+/-0.009 χ^2/NDF:1659.9/16

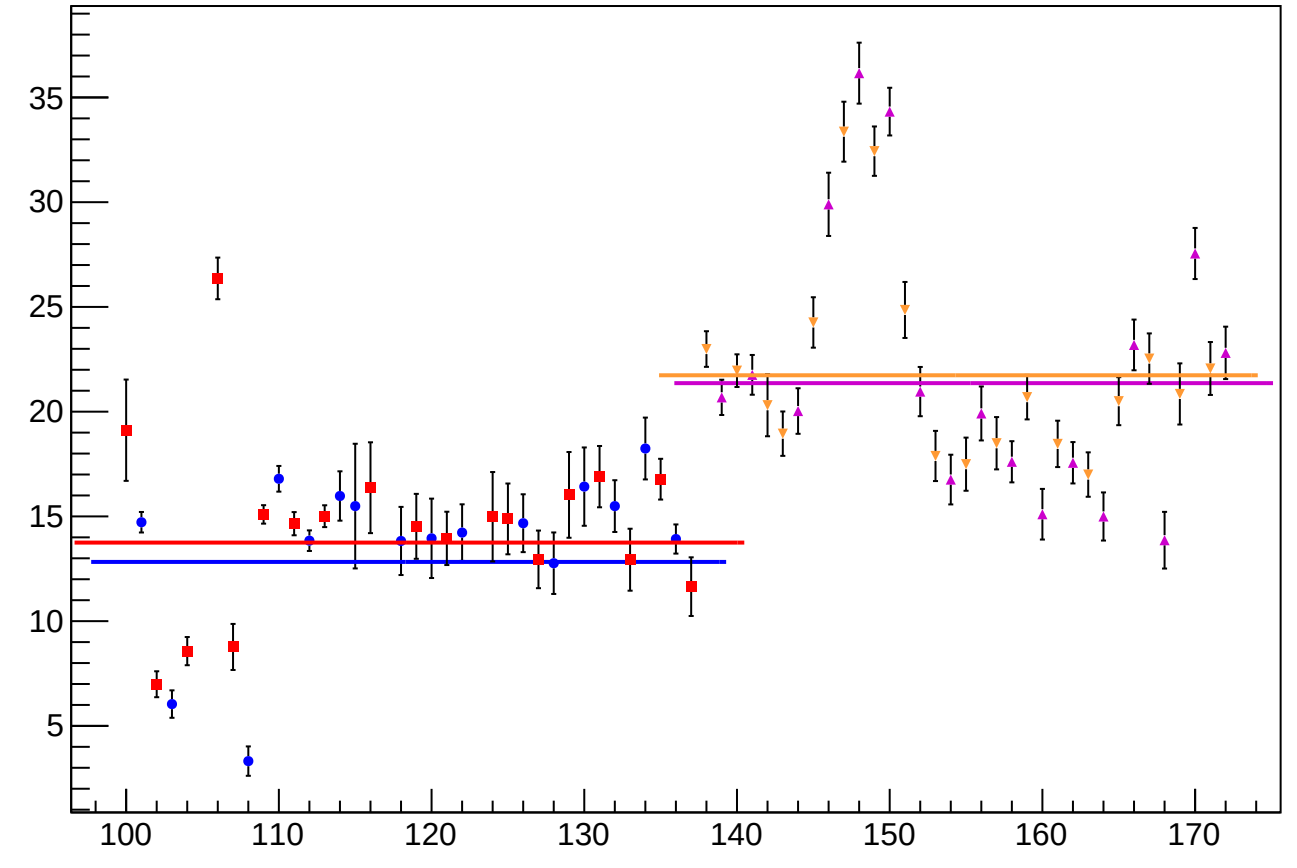
Left: -0.323+/-0.007 χ^2/NDF: 2495.1/34

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: -0.165+/-0.008 χ^2/NDF:2736.5/32

Out: -0.193+/-0.008 χ^2/NDF:2107.2/36

All: -0.179+/-0.005 χ^2/NDF: 4850.4/69



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 21.737+/-0.268 χ^2/NDF:228.4/17

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 21.362+/-0.276 χ^2/NDF:430.7/16

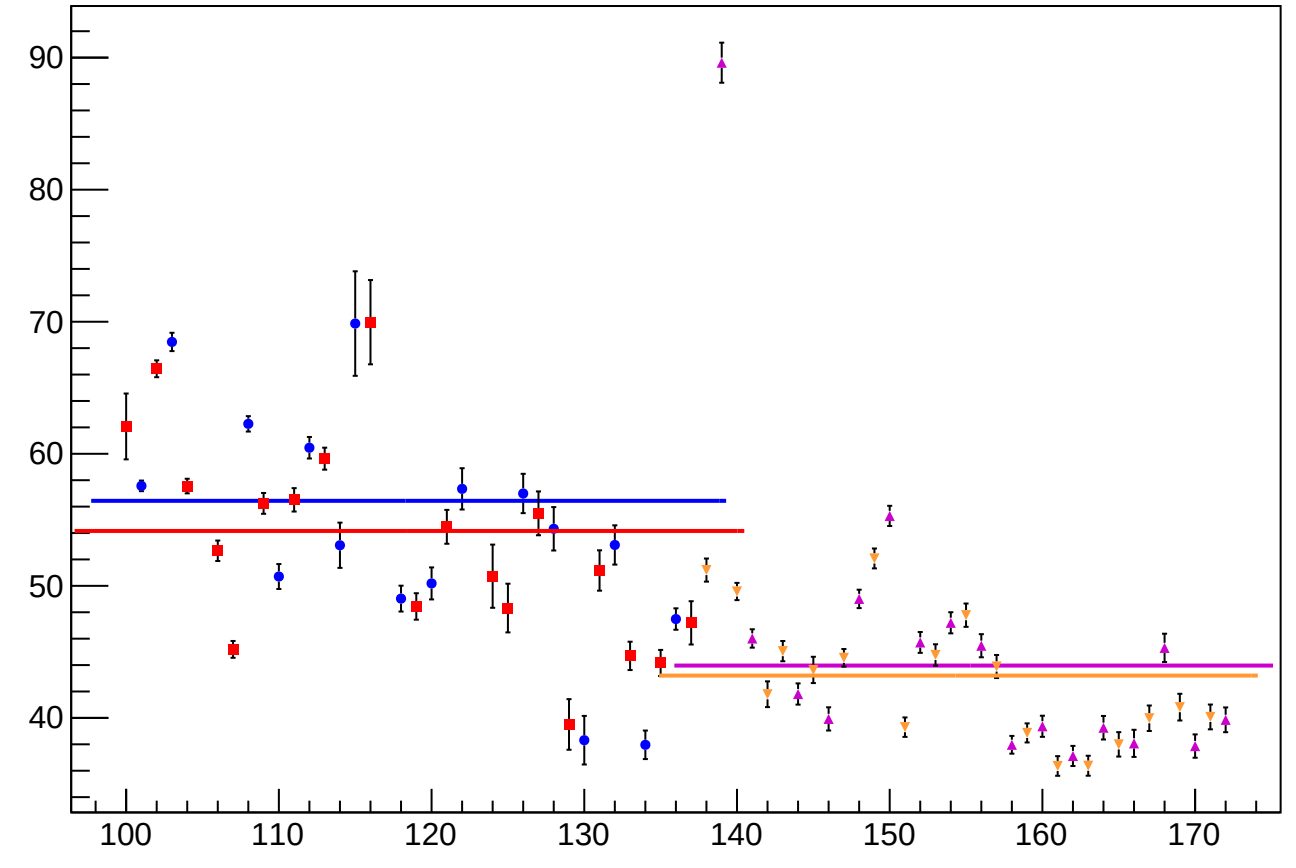
Left: 21.555+/-0.192 χ^2/NDF: 660.1/34

Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 16.033+/-0.169 χ^2/NDF:1415.8/32

Out: 16.683+/-0.162 χ^2/NDF:1194.7/36

All: 16.371+/-0.117 χ^2/NDF: 2618.1/69



Right In: 56.438+/-0.222 χ^2/NDF: 1088.0/15

Left Out: 43.205+/-0.192 χ^2/NDF:651.2/17

Right Out: 54.156+/-0.225 χ^2/NDF: 1006.6/18

Left In: 43.963+/-0.202 χ^2/NDF:1561.2/16

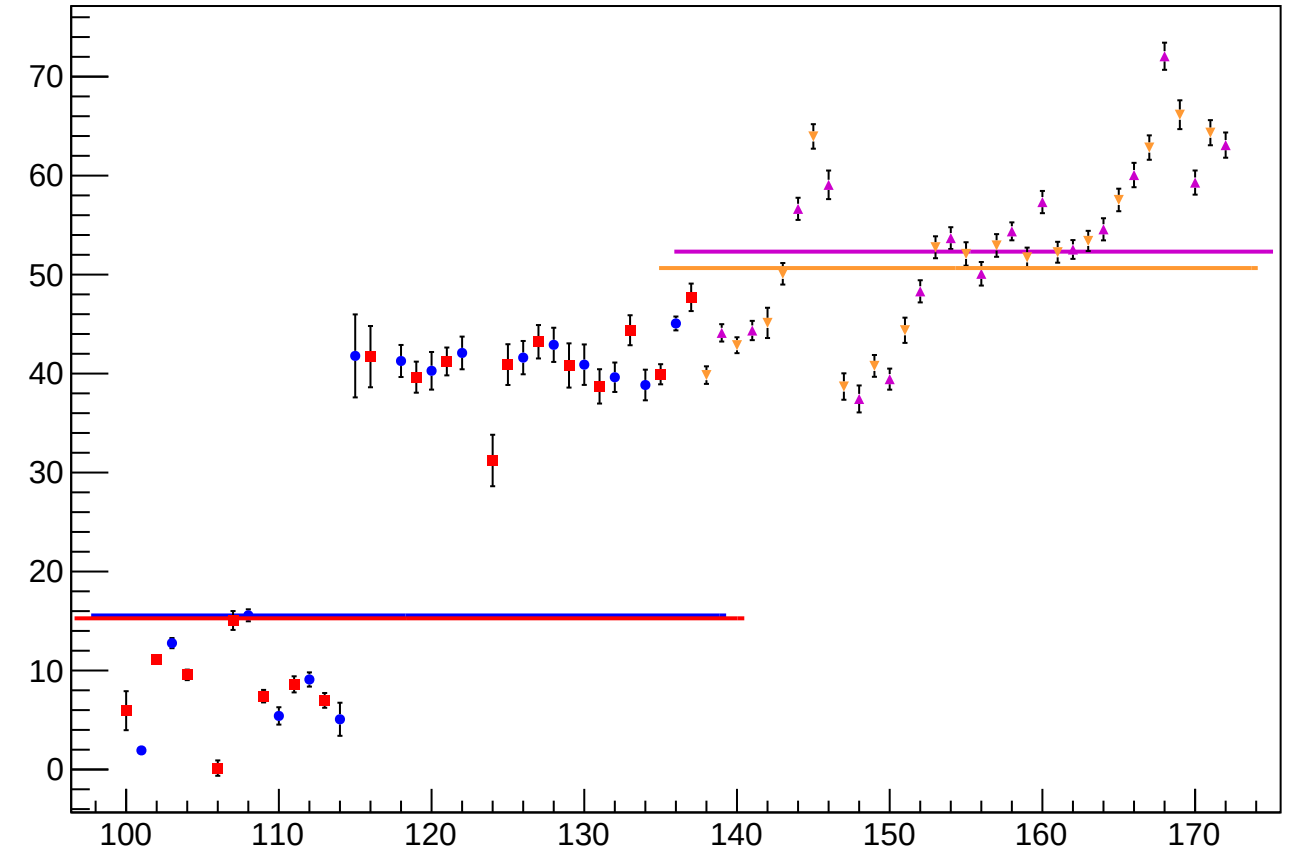
Left: 43.565+/-0.139 χ^2/NDF: 2219.8/34

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 49.610+/-0.149 χ^2/NDF:4380.3/32

Out: 47.822+/-0.146 χ^2/NDF:3033.9/36

All: 48.695+/-0.104 χ^2/NDF: 7487.7/69



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 50.661+/-0.263 χ^2/NDF:939.8/17

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 52.320+/-0.269 χ^2/NDF:855.0/16

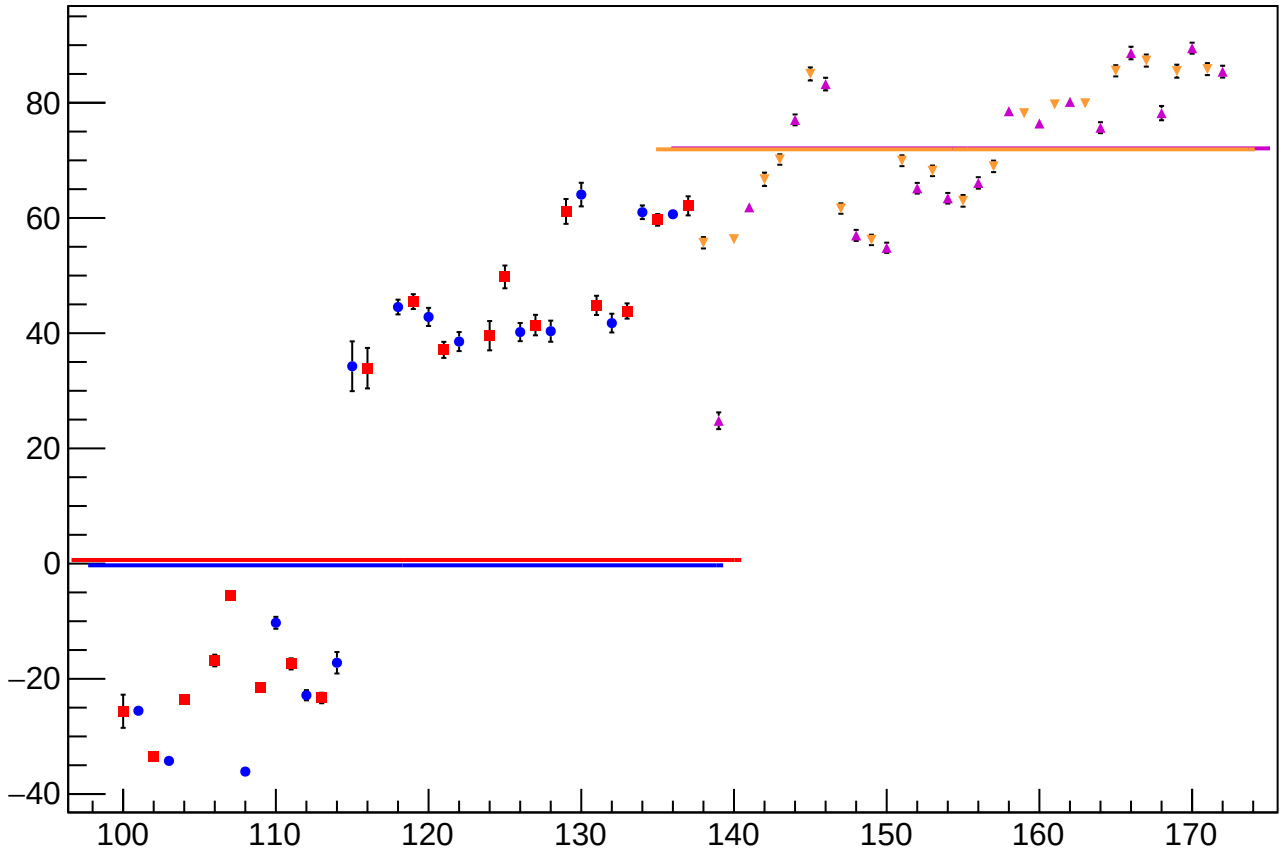
Left: 51.471+/-0.188 χ^2/NDF: 1814.2/34

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 29.784+/-0.168 χ^2/NDF:17448.3/32

Out: 29.770+/-0.168 χ^2/NDF:15497.1/36

All: 29.777+/-0.119 χ^2/NDF: 32945.4/69



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 71.913+/-0.220 χ^2/NDF:2359.9/17

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 72.079+/-0.228 χ^2/NDF:3125.7/16

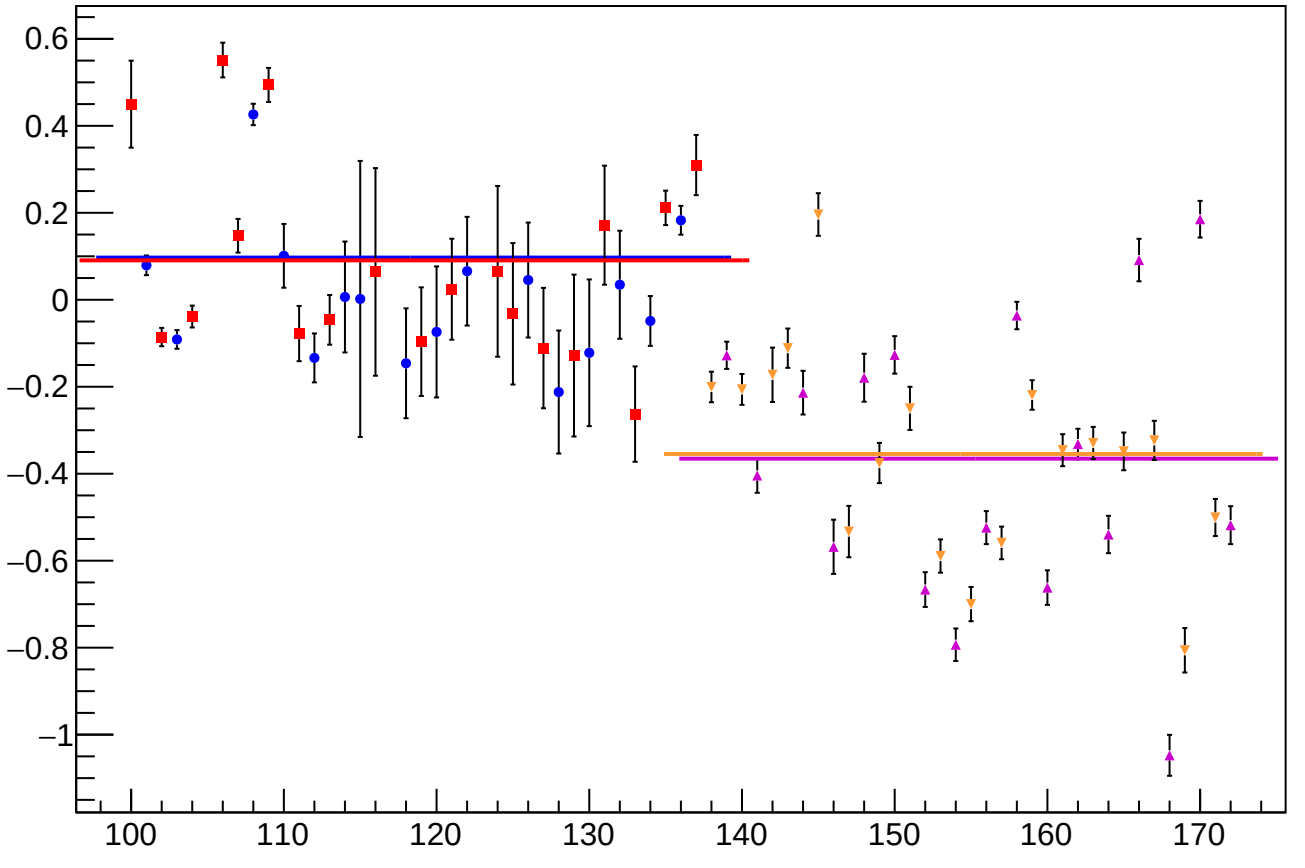
Left: 71.993+/-0.158 χ^2/NDF: 5485.8/34

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 40.741+/-0.172 χ^2/NDF:67623.1/32

Out: 42.678+/-0.169 χ^2/NDF:61516.1/36

All: 41.728+/-0.120 χ^2/NDF: 129203.9/69



Right In: 0.097+/-0.011 χ^2/NDF: 299.1/15

Left Out: -0.355+/-0.010 χ^2/NDF:465.3/17

Right Out: 0.091+/-0.011 χ^2/NDF: 399.5/18

Left In: -0.365+/-0.010 χ^2/NDF:988.0/16

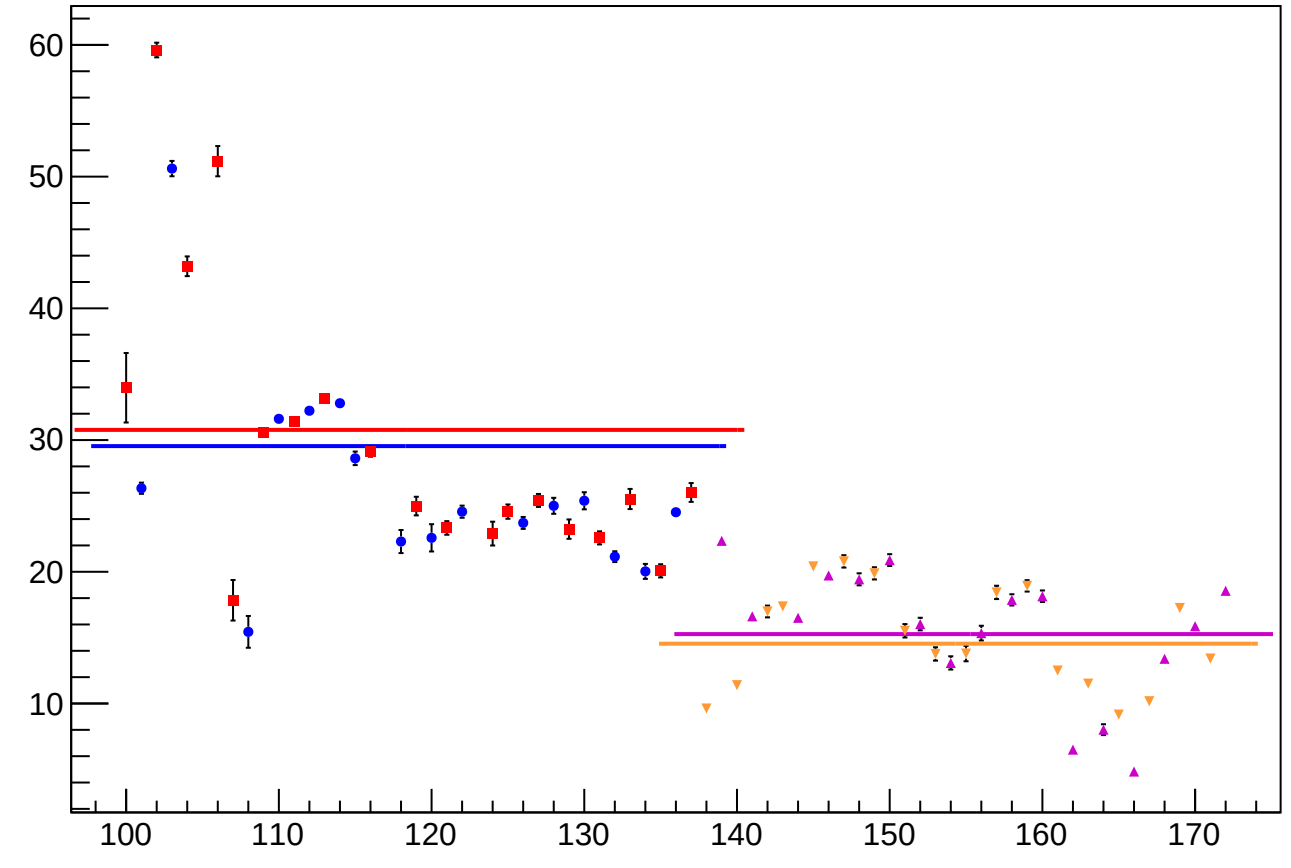
Left: -0.360+/-0.007 χ^2/NDF: 1453.8/34

Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

In: -0.163+/-0.007 χ^2/NDF:2240.6/32

Out: -0.164+/-0.007 χ^2/NDF:1737.3/36

All: -0.163+/-0.005 χ^2/NDF: 3977.9/69



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 14.541+/-0.088 χ^2/NDF:1990.9/17

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 15.269+/-0.090 χ^2/NDF:3086.6/16

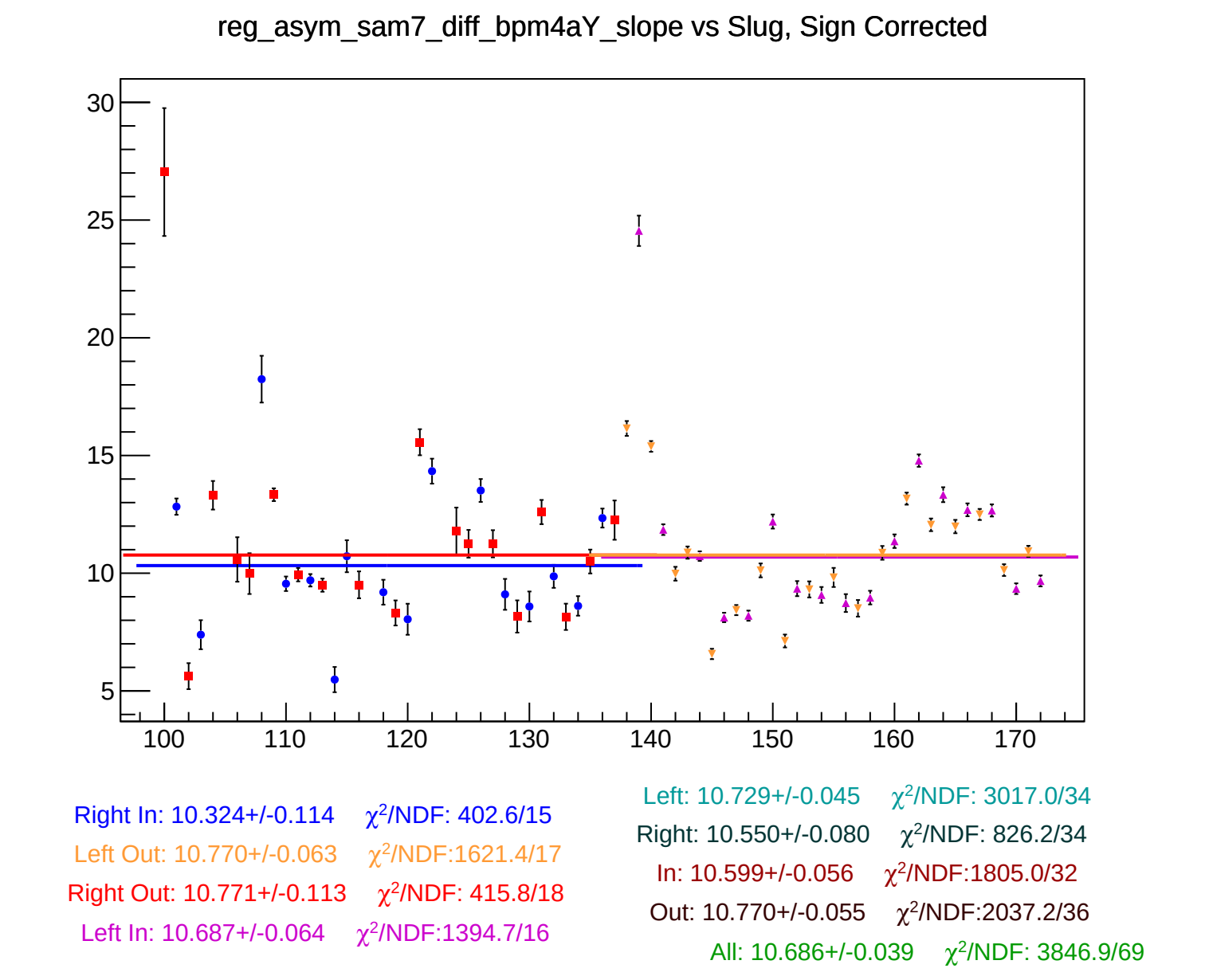
Left: 14.900+/-0.063 χ^2/NDF: 5111.0/34

Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 22.212+/-0.064 χ^2/NDF:18830.0/32

Out: 23.452+/-0.059 χ^2/NDF:25570.8/36

All: 22.880+/-0.044 χ^2/NDF: 44602.0/69


reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected
30
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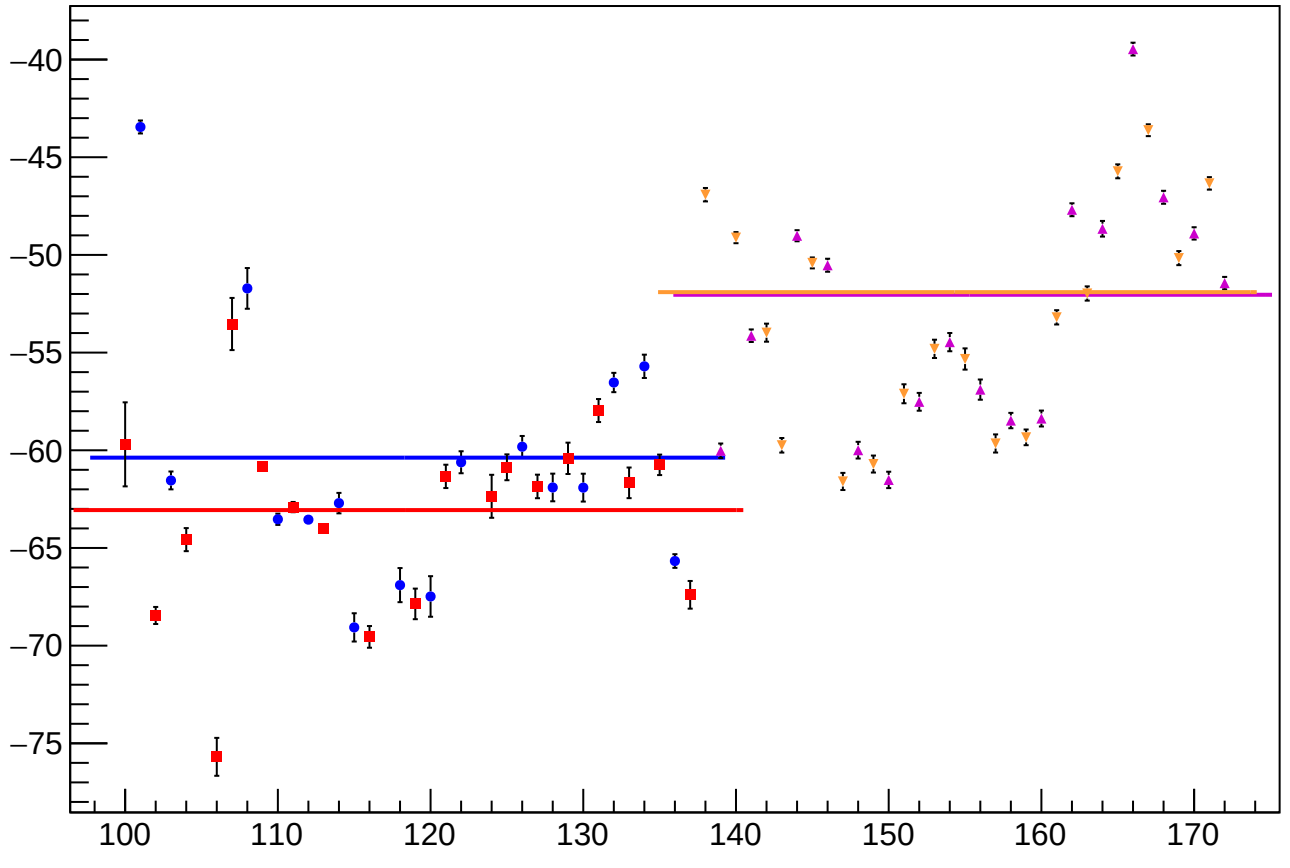
110
120
130
140
150
160
170
Right In: 10.324+/-0.114 χ²/NDF: 402.6/15
Left Out: 10.770+/-0.063 χ²/NDF:1621.4/17
Right Out: 10.771+/-0.113 χ²/NDF: 415.8/18
Left In: 10.687+/-0.064 χ²/NDF:1394.7/16
Left: 10.729+/-0.045 χ²/NDF: 3017.0/34
Right: 10.550+/-0.080 χ²/NDF: 826.2/34
In: 10.599+/-0.056 χ²/NDF:1805.0/32
Out: 10.770+/-0.055 χ²/NDF:2037.2/36
All: 10.686+/-0.039 χ²/NDF: 3846.9/69



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -51.905+/-0.088 χ^2/NDF:3890.6/17

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: -52.040+/-0.088 χ^2/NDF:4293.4/16

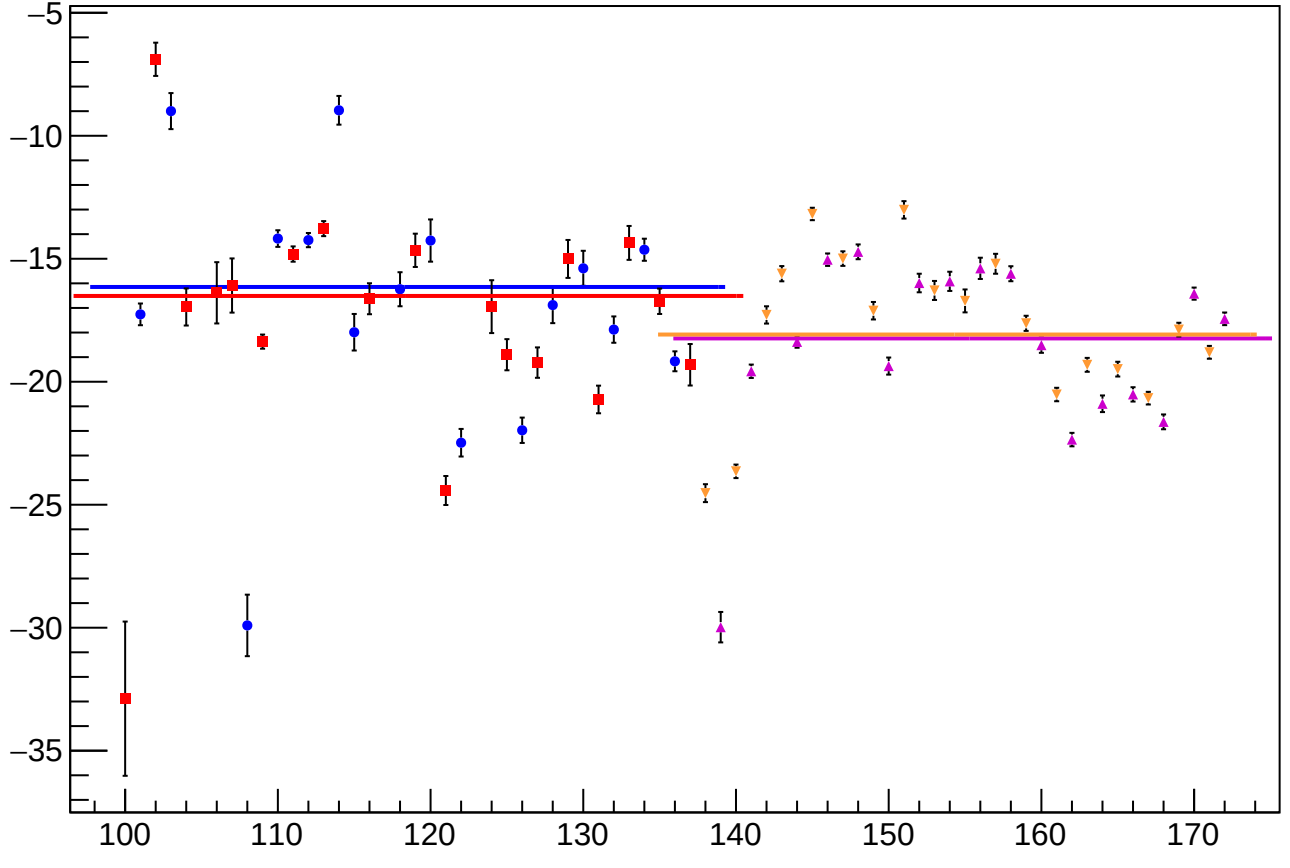
Left: -51.972+/-0.062 χ^2/NDF: 8185.2/34

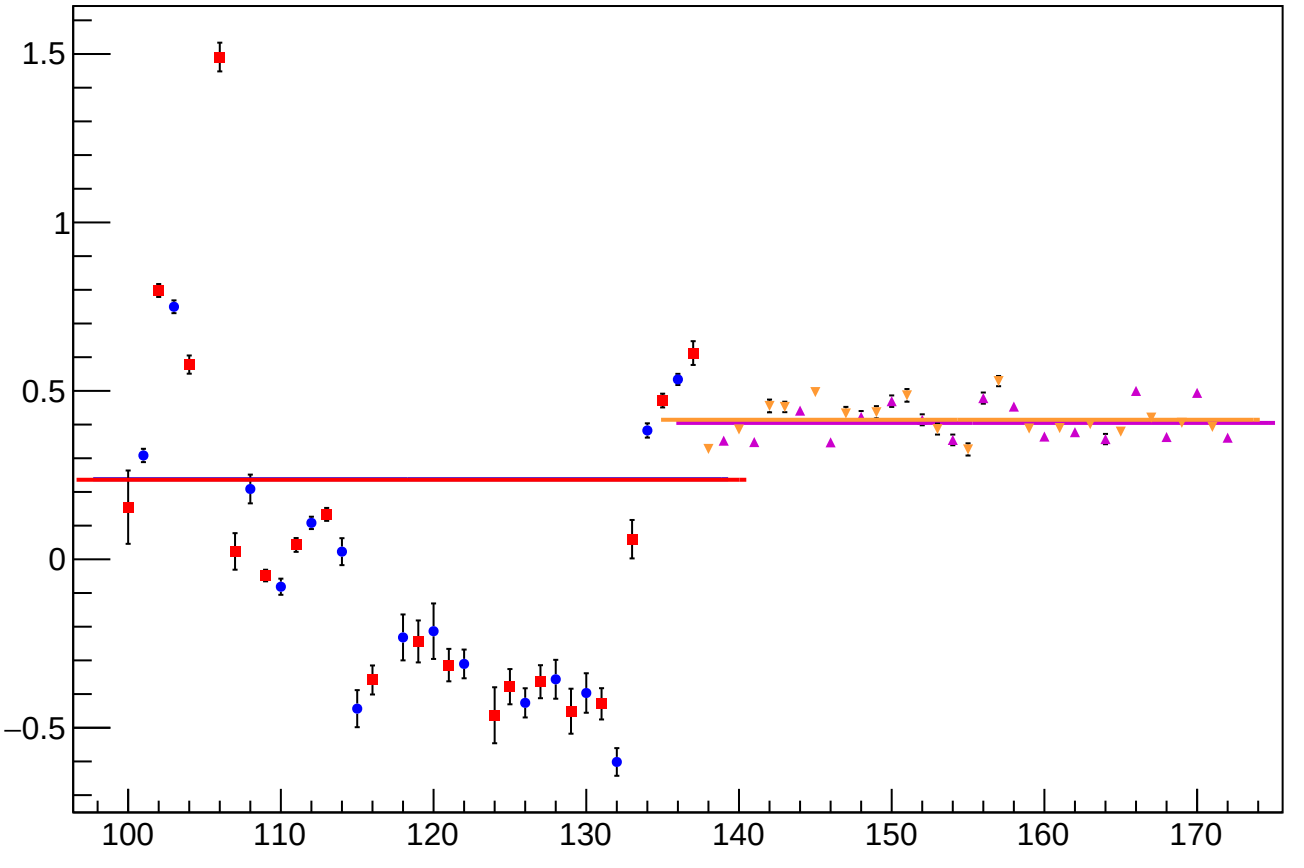
Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -55.197+/-0.070 χ^2/NDF:11272.7/32

Out: -56.376+/-0.068 χ^2/NDF:11218.6/36

All: -55.801+/-0.049 χ^2/NDF: 22638.3/69


reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected
−5
−10
−15
−20
−25
−30
−35
100
110
120
130
140
150
160
170
Right In: -16.147+/-0.127 χ²/NDF: 797.1/15
Left Out: -18.081+/-0.073 χ²/NDF:1800.2/17
Right Out: -16.512+/-0.125 χ²/NDF: 684.7/18
Left In: -18.239+/-0.074 χ²/NDF:1419.3/16
Left: -18.159+/-0.052 χ²/NDF: 3221.8/34
Right: -16.333+/-0.089 χ²/NDF: 1486.0/34
In: -17.715+/-0.064 χ²/NDF:2419.2/32
Out: -17.683+/-0.063 χ²/NDF:2603.1/36
All: -17.699+/-0.045 χ²/NDF: 5022.4/69



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.414+/-0.003 χ^2/NDF:230.0/17

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.405+/-0.003 χ^2/NDF:288.3/16

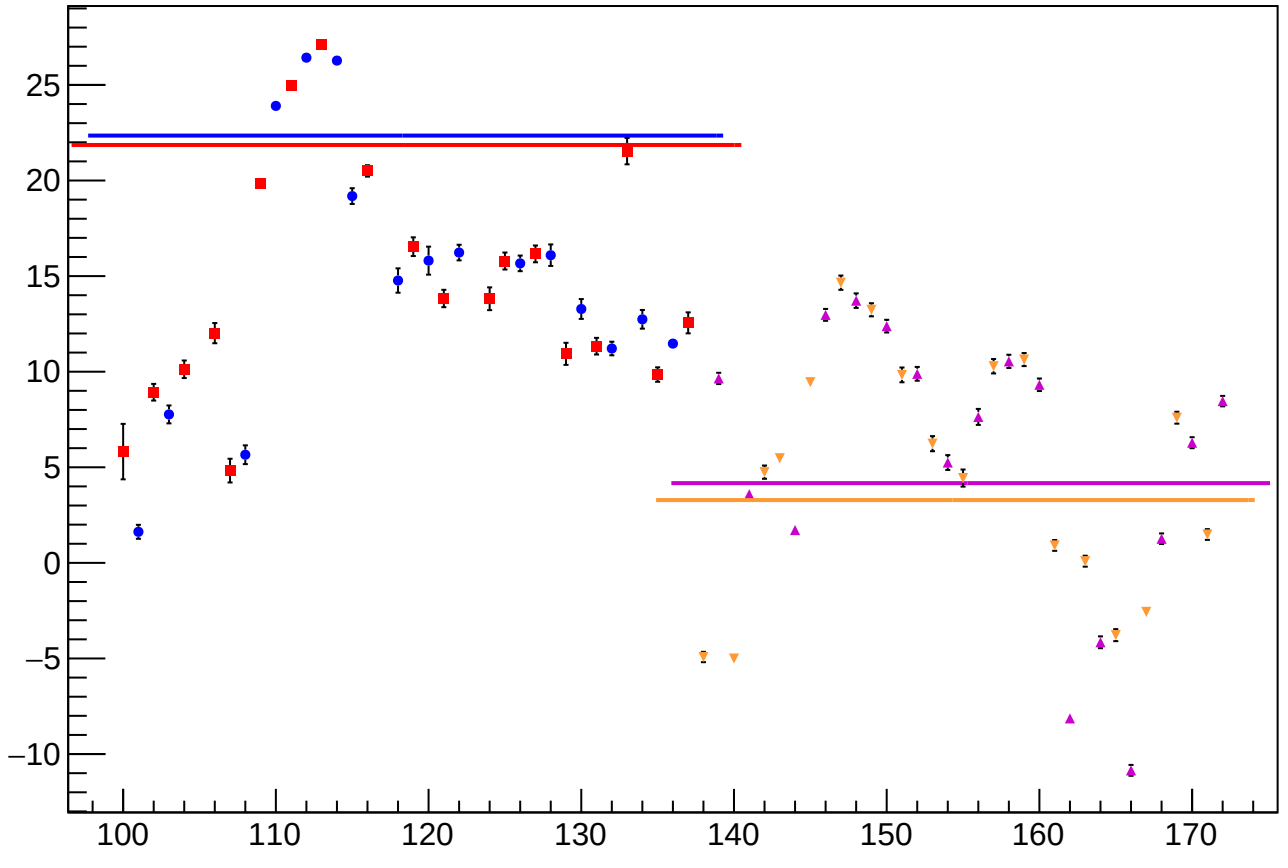
Left: 0.410+/-0.002 χ^2/NDF: 522.4/34

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.375+/-0.003 χ^2/NDF:3381.1/32

Out: 0.383+/-0.003 χ^2/NDF:4343.3/36

All: 0.379+/-0.002 χ^2/NDF: 7727.6/69



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 3.286+/-0.071 χ^2/NDF:7507.6/17

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: 4.172+/-0.073 χ^2/NDF:9591.0/16

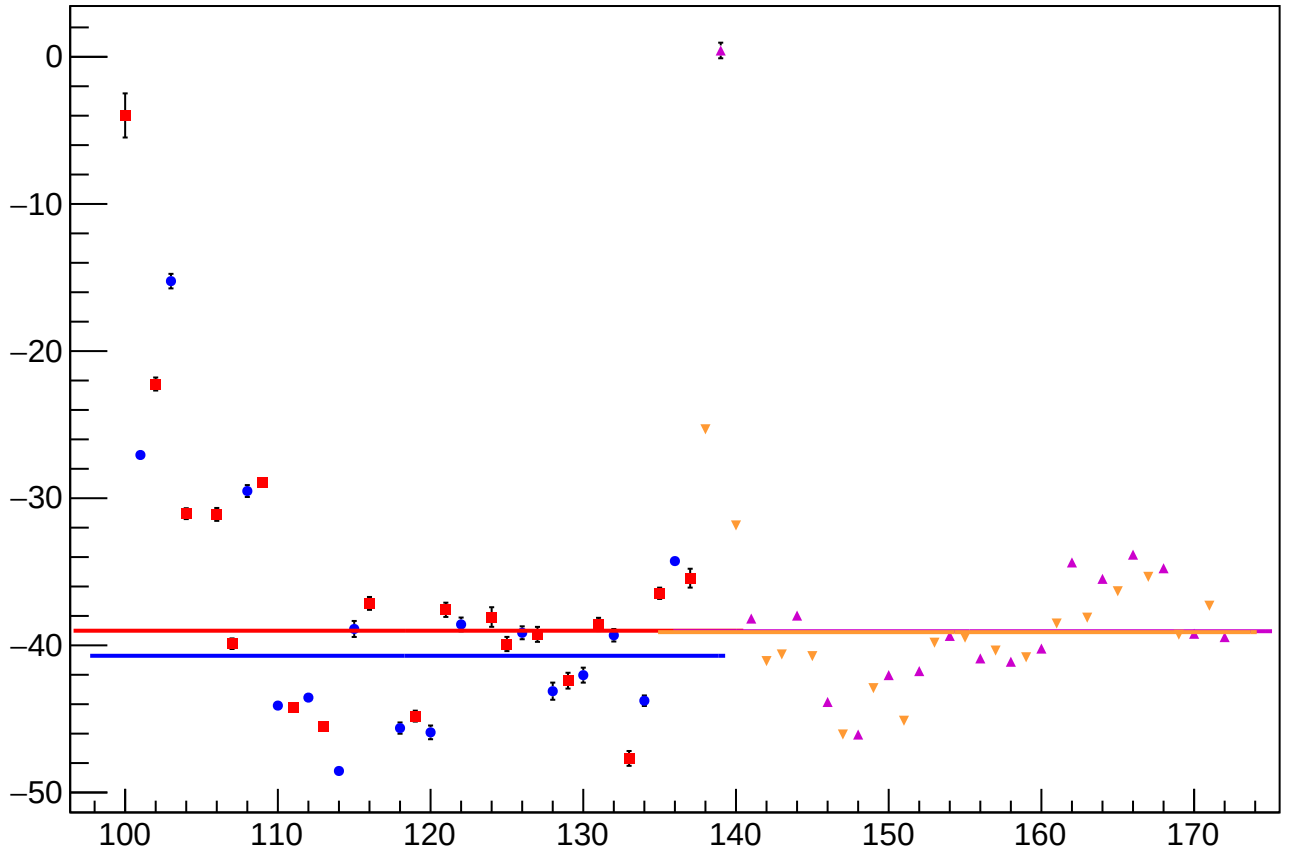
Left: 3.714+/-0.051 χ^2/NDF: 17174.7/34

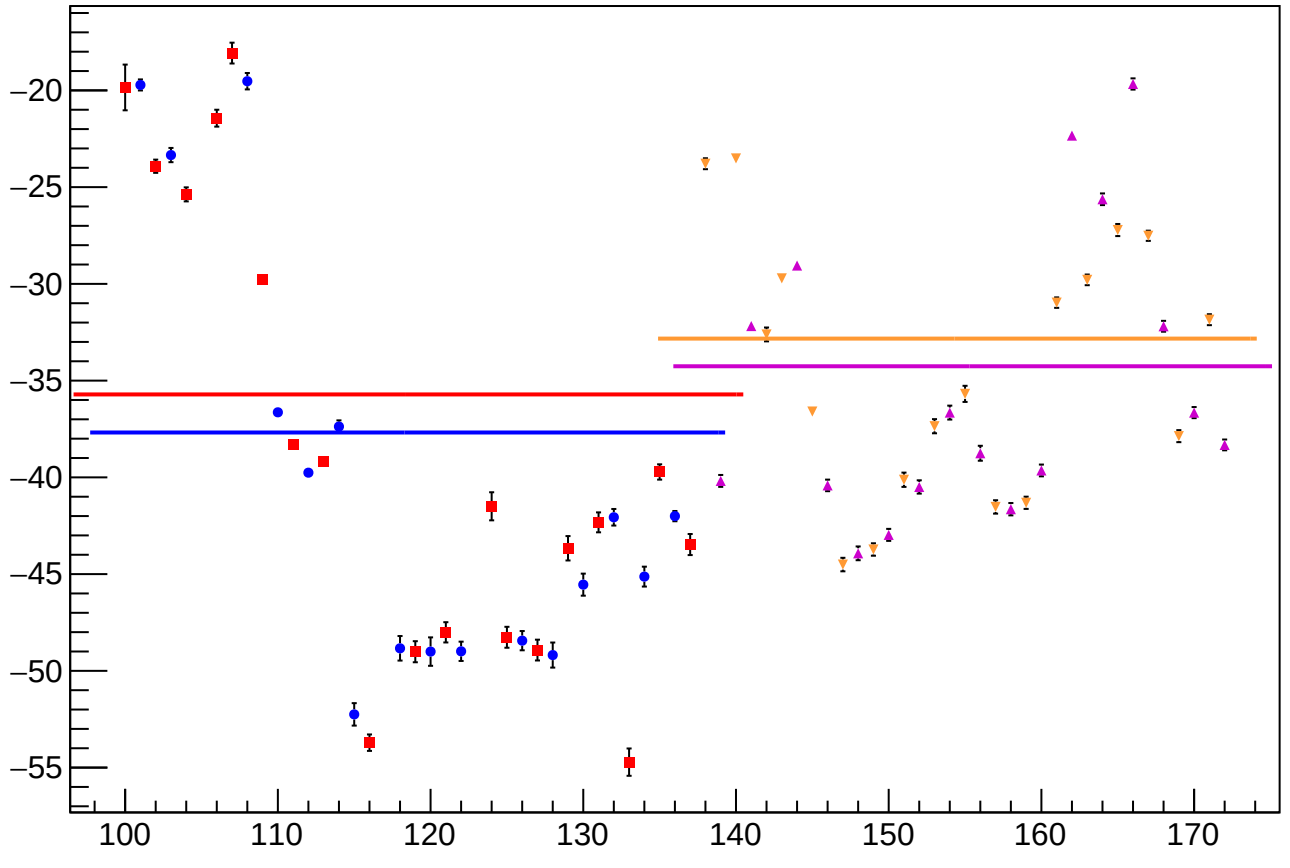
Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 15.539+/-0.045 χ^2/NDF:60635.7/32

Out: 16.275+/-0.039 χ^2/NDF:66608.5/36

All: 15.960+/-0.029 χ^2/NDF: 127398.9/69


reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
100
110
120
130
140
150
160
170
Right In: -40.709+/-0.076 χ²/NDF: 7780.4/15
Left Out: -39.102+/-0.050 χ²/NDF:8064.1/17
Right Out: -39.005+/-0.071 χ²/NDF: 10101.3/18
Left In: -39.039+/-0.053 χ²/NDF:9850.7/16
Left: -39.072+/-0.036 χ²/NDF: 17915.5/34
Right: -39.794+/-0.052 χ²/NDF: 18148.1/34
In: -39.575+/-0.043 χ²/NDF:17954.6/32
Out: -39.070+/-0.041 χ²/NDF:18166.7/36
All: -39.309+/-0.030 χ²/NDF: 36193.1/69



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -32.828+/-0.070 χ^2/NDF:8586.2/17

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -34.258+/-0.072 χ^2/NDF:10193.2/16

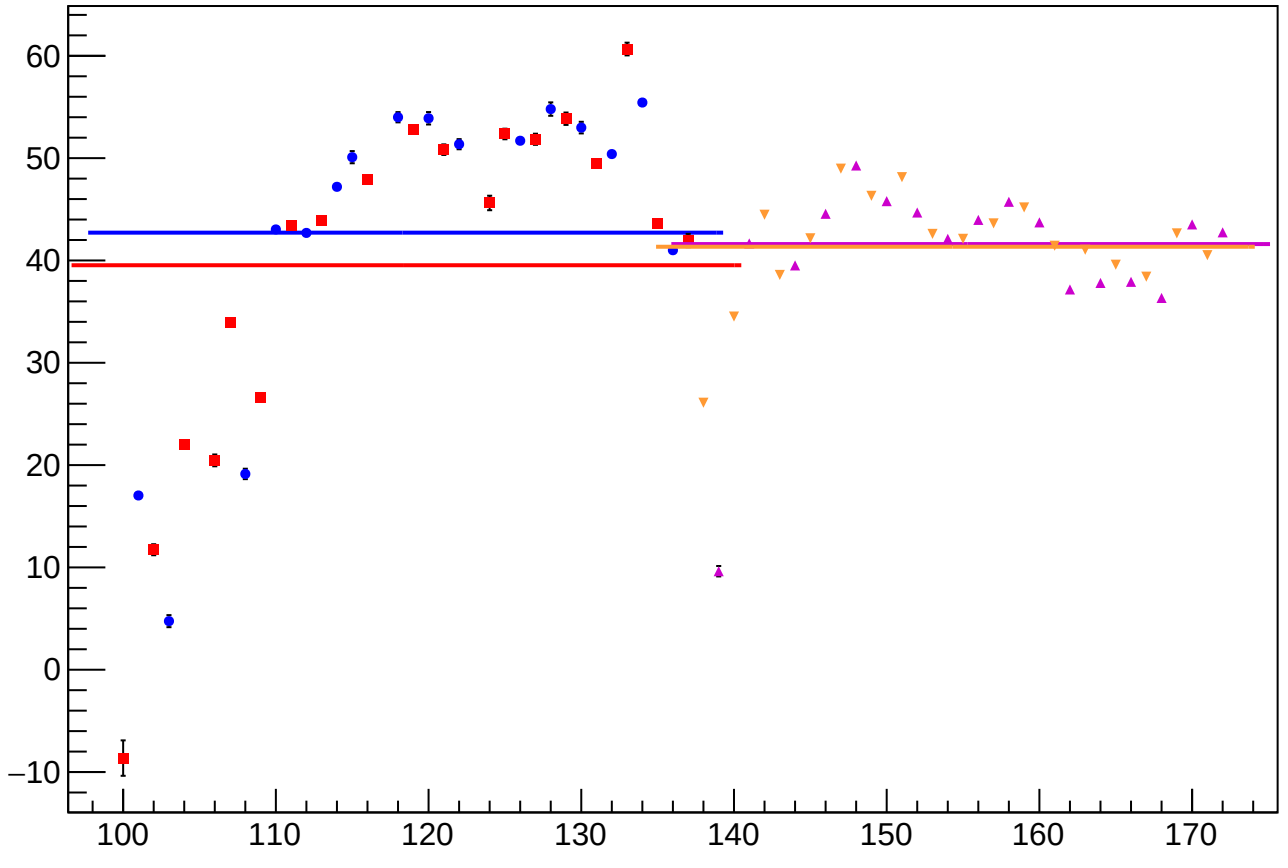
Left: -33.523+/-0.050 χ^2/NDF: 18983.1/34

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -35.924+/-0.051 χ^2/NDF:22152.7/32

Out: -34.390+/-0.047 χ^2/NDF:22784.0/36

All: -35.093+/-0.035 χ^2/NDF: 45418.6/69



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 41.340+/-0.058 χ^2/NDF:6544.1/17

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 41.603+/-0.060 χ^2/NDF:7370.9/16

Left: 41.467+/-0.042 χ^2/NDF: 13924.8/34

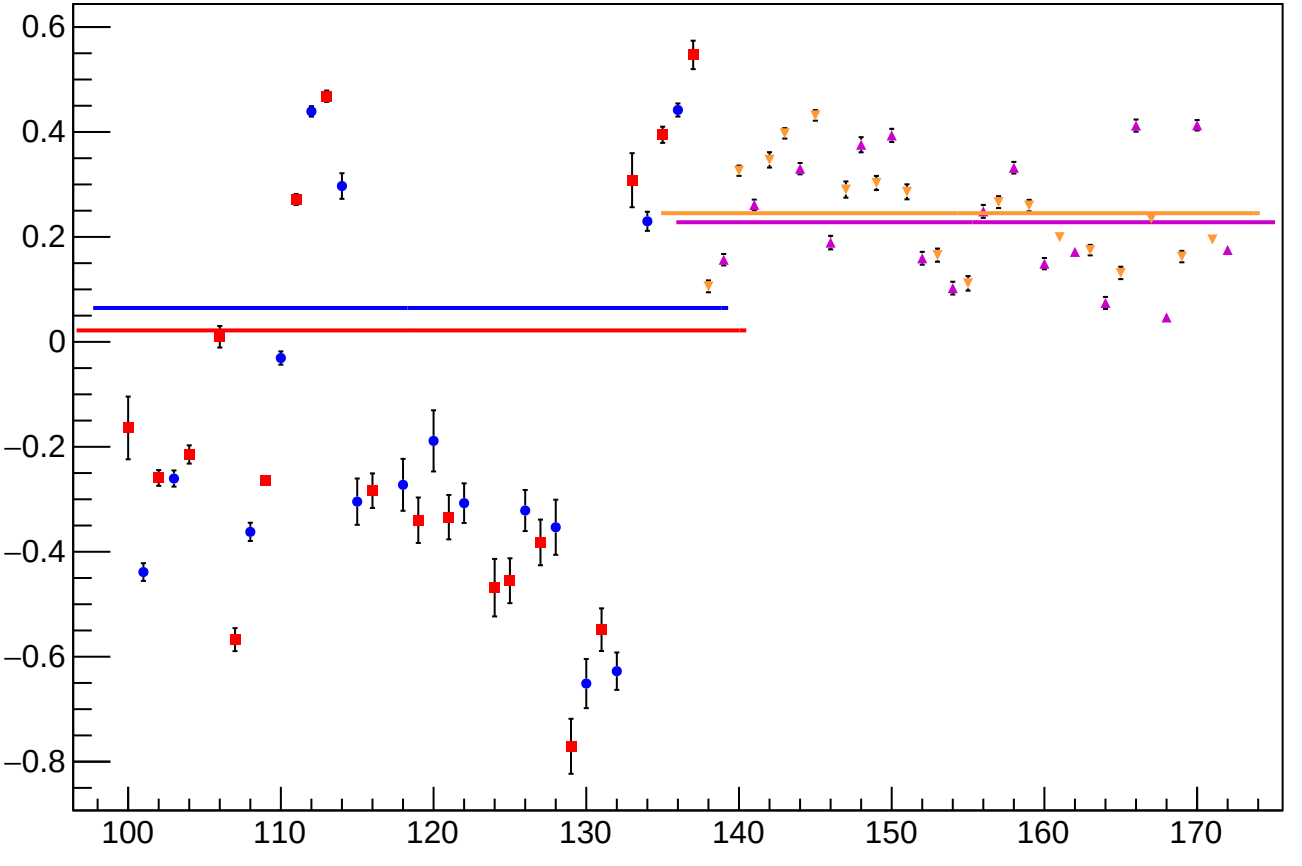
Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 41.974+/-0.049 χ^2/NDF:22250.6/32

Out: 40.701+/-0.046 χ^2/NDF:24867.7/36

All: 41.303+/-0.034 χ^2/NDF: 47472.8/69

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.245+/-0.003 χ^2/NDF:1267.1/17

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.228+/-0.003 χ^2/NDF:1910.2/16

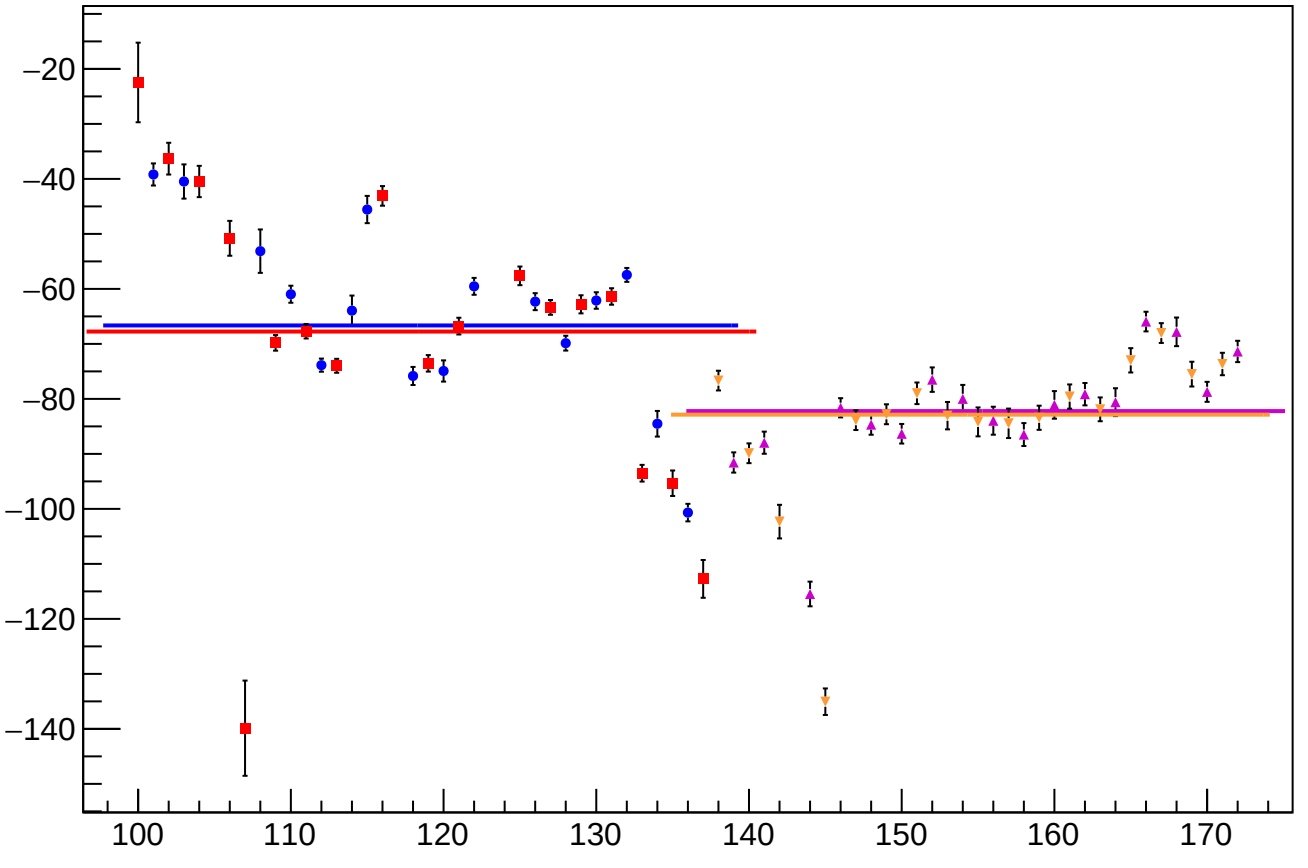
Left: 0.237+/-0.002 χ^2/NDF: 3198.3/34

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.190+/-0.002 χ^2/NDF:8279.4/32

Out: 0.186+/-0.002 χ^2/NDF:9576.7/36

All: 0.188+/-0.002 χ^2/NDF: 17857.5/69



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -82.866+/-0.513 χ^2/NDF:662.6/16

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: -82.534+/-0.358 χ^2/NDF: 1088.1/33

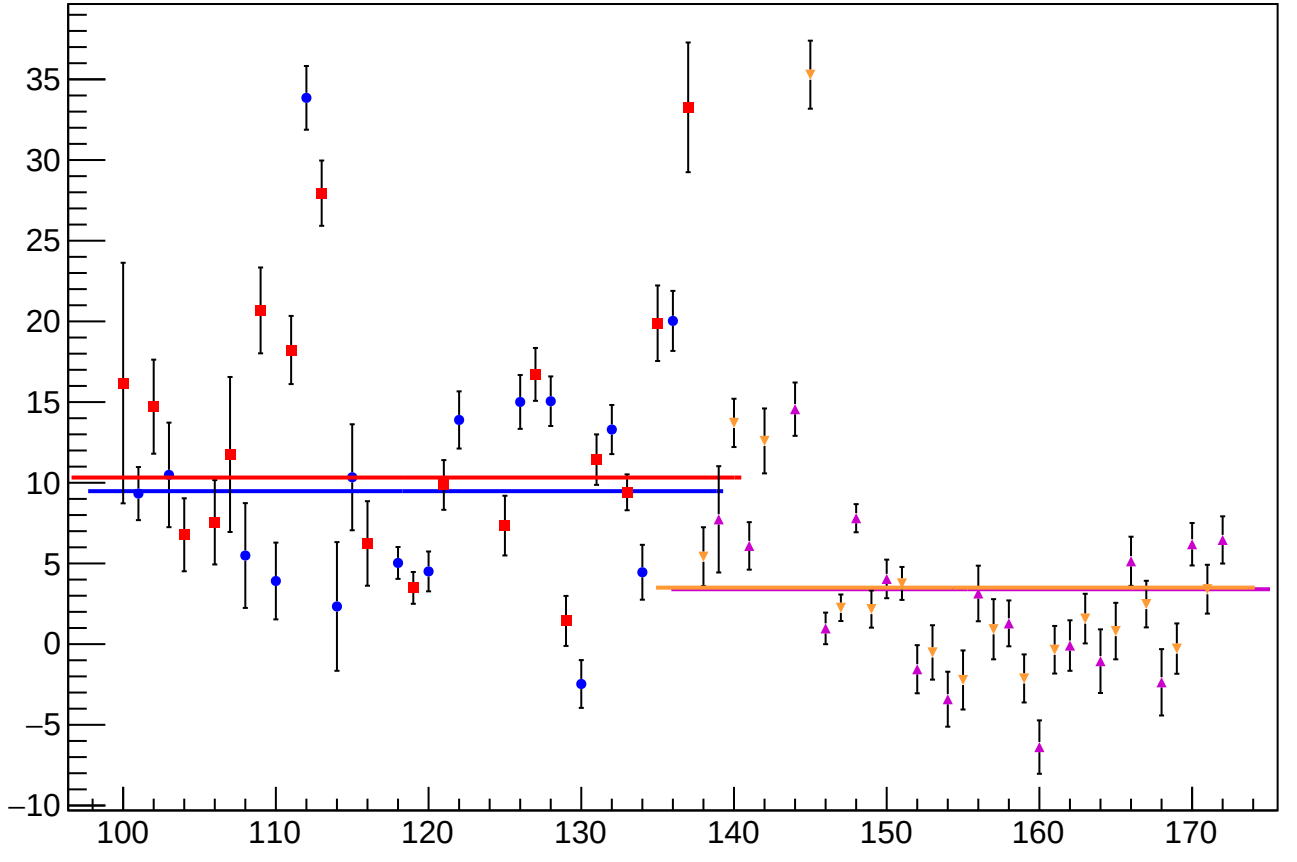
Right: -67.210+/-0.299 χ^2/NDF: 2311.2/33

In: -73.206+/-0.324 χ^2/NDF:2039.6/32

Out: -73.810+/-0.325 χ^2/NDF:2437.9/34

All: -73.507+/-0.229 χ^2/NDF: 4479.3/67

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 3.501+/-0.346 χ^2/NDF:347.9/16

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: 3.452+/-0.245 χ^2/NDF: 522.9/33

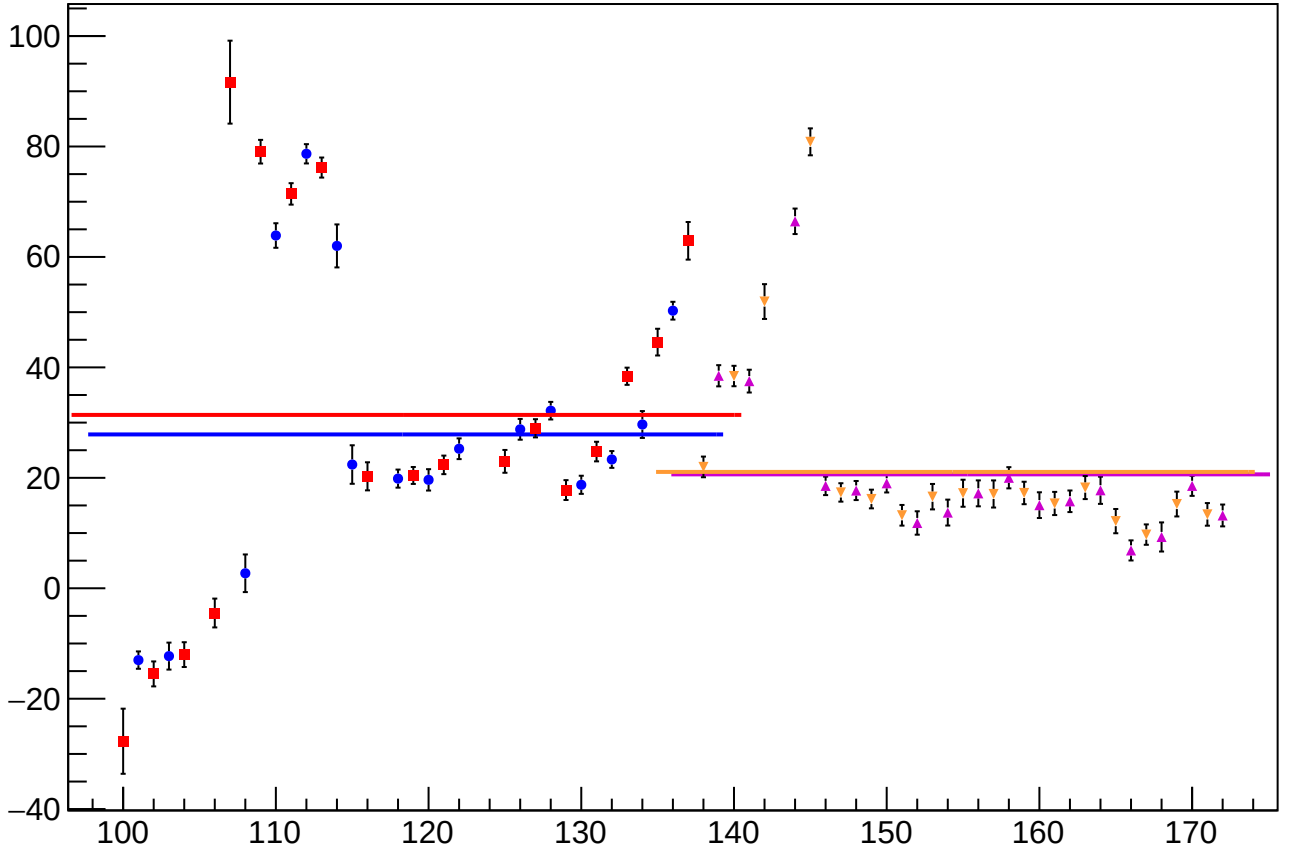
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 5.804+/-0.269 χ^2/NDF:638.8/32

Out: 6.145+/-0.271 χ^2/NDF:761.6/34

All: 5.973+/-0.191 χ^2/NDF: 1401.1/67

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 21.072+/-0.500 χ^2/NDF:912.1/16

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 20.627+/-0.487 χ^2/NDF:685.5/16

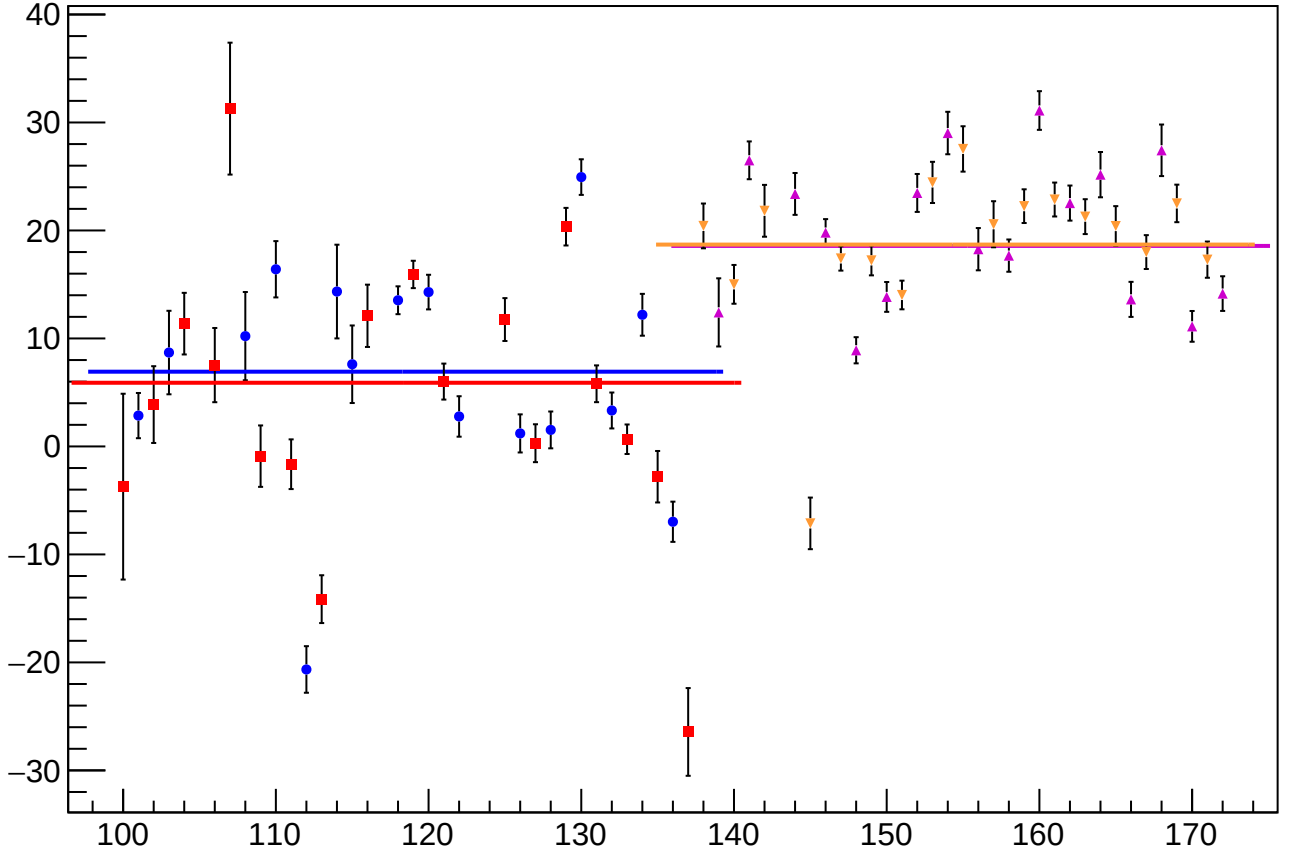
Left: 20.843+/-0.349 χ^2/NDF: 1598.0/33

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 24.277+/-0.343 χ^2/NDF:3270.8/32

Out: 26.364+/-0.349 χ^2/NDF:4141.9/34

All: 25.301+/-0.245 χ^2/NDF: 7430.9/67



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.692+/-0.406 χ^2/NDF:187.1/16

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 18.569+/-0.402 χ^2/NDF:266.0/16

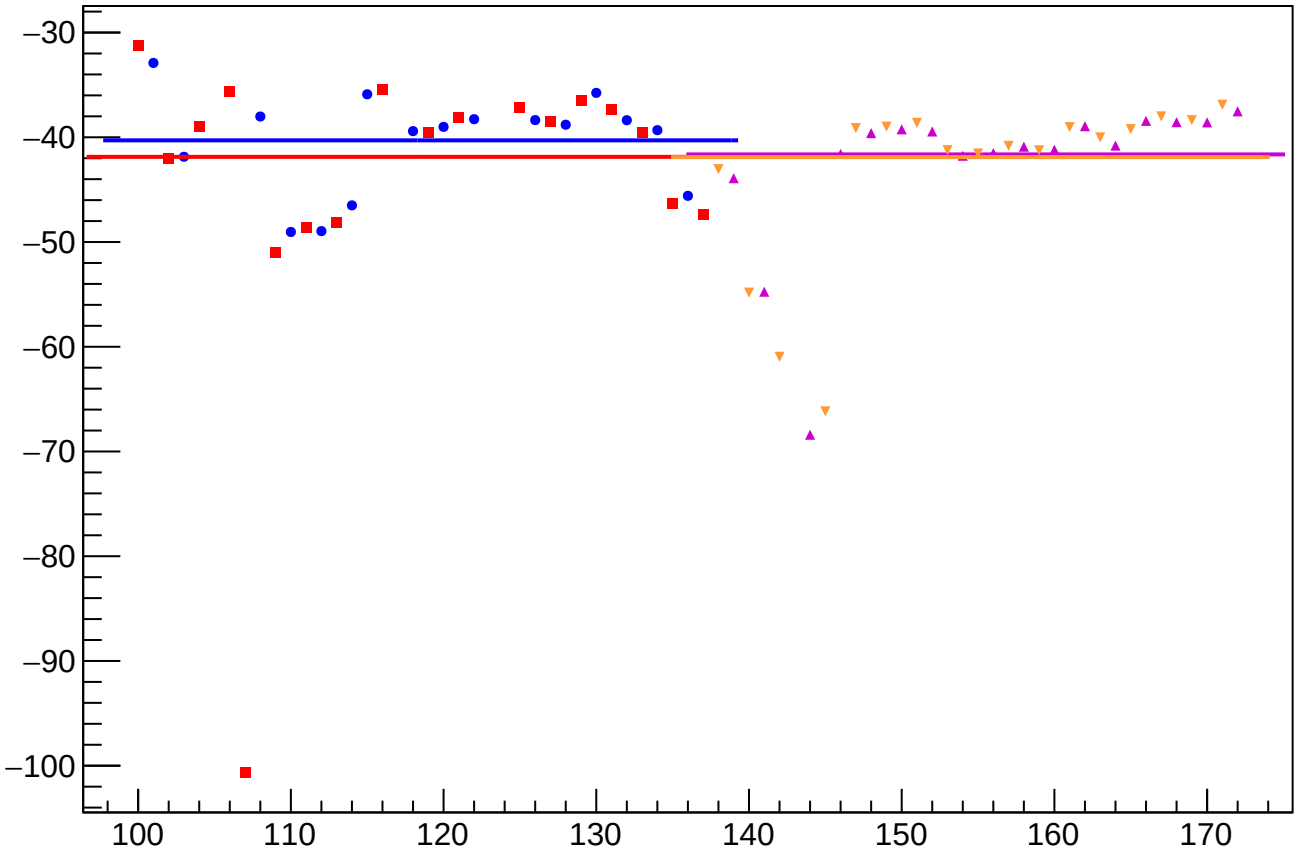
Left: 18.630+/-0.286 χ^2/NDF: 453.2/33

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 13.946+/-0.312 χ^2/NDF:1043.4/32

Out: 13.633+/-0.315 χ^2/NDF:948.0/34

All: 13.791+/-0.222 χ^2/NDF: 1992.0/67



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -41.897+/-0.019 χ^2/NDF:129366.4/16

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

Left In: -41.635+/-0.018 χ^2/NDF:105391.1/16

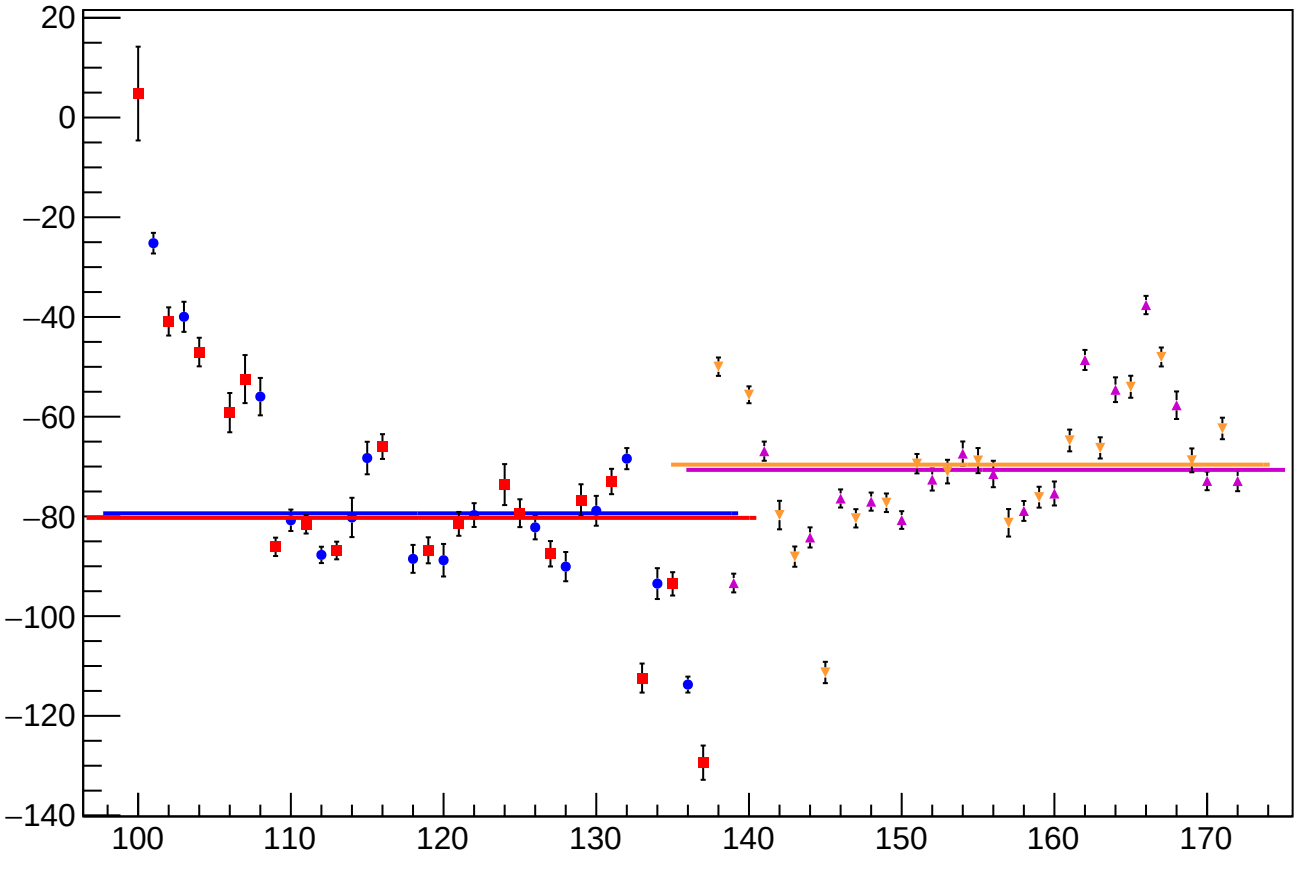
Left: -41.762+/-0.013 χ^2/NDF: 234857.7/33

Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

In: -41.298+/-0.016 χ^2/NDF:127422.5/32

Out: -41.890+/-0.016 χ^2/NDF:188101.8/34

All: -41.585+/-0.011 χ^2/NDF: 316208.4/67



Right In: -79.382+/-0.611 χ^2/NDF: 1475.9/15

Left Out: -69.614+/-0.495 χ^2/NDF:934.0/17

Right Out: -80.294+/-0.604 χ^2/NDF: 914.7/18

Left In: -70.669+/-0.498 χ^2/NDF:784.2/16

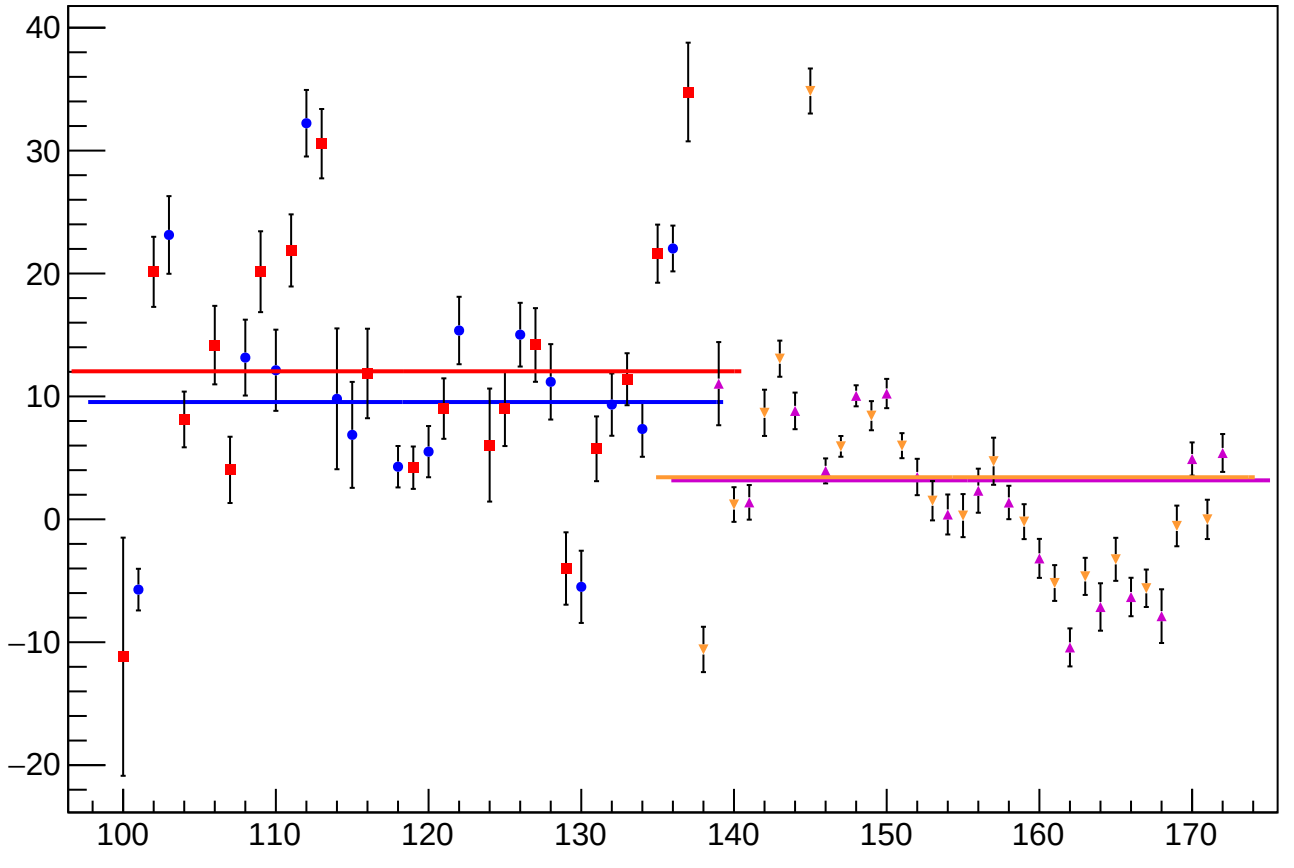
Left: -70.138+/-0.351 χ^2/NDF: 1720.4/34

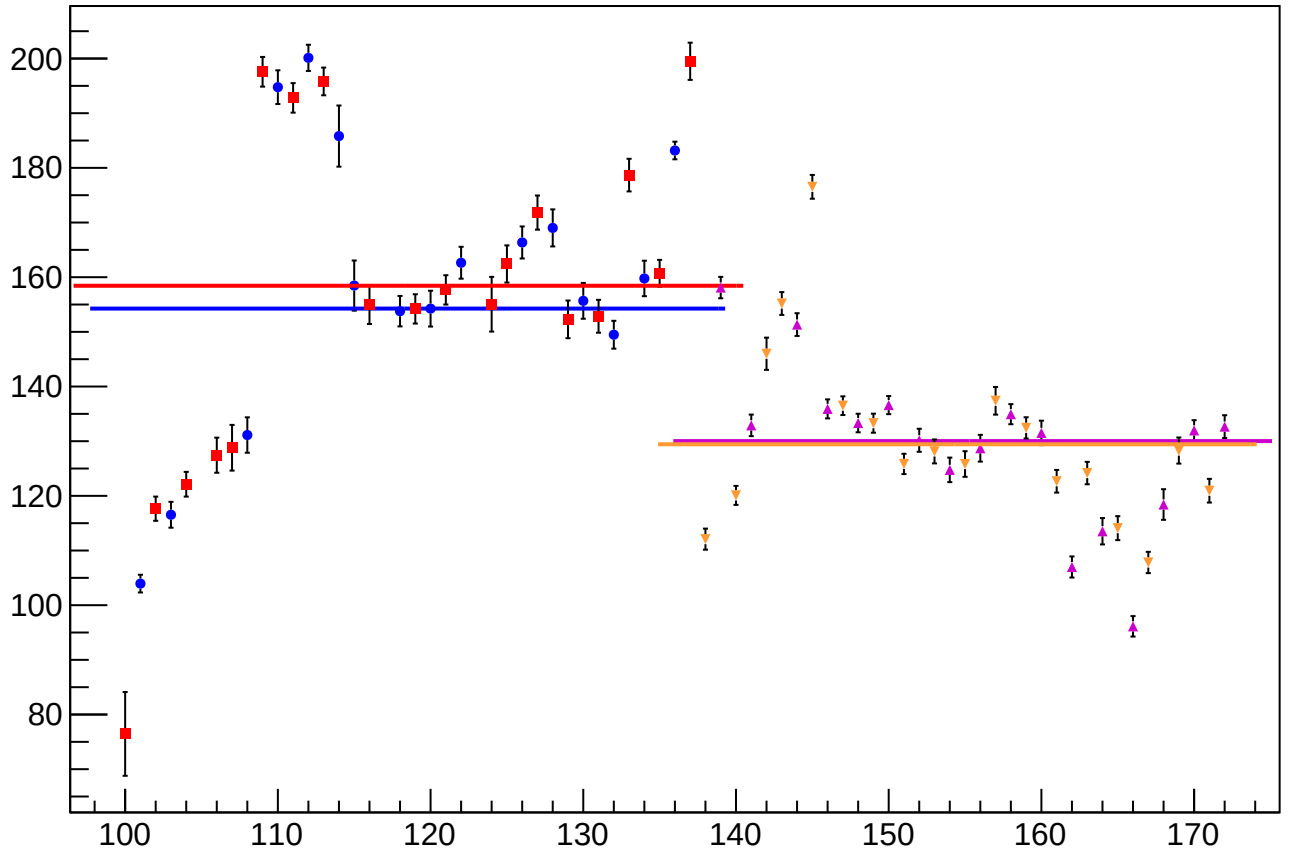
Right: -79.844+/-0.430 χ^2/NDF: 2391.7/34

In: -74.149+/-0.386 χ^2/NDF:2382.2/32

Out: -73.909+/-0.383 χ^2/NDF:2035.6/36

All: -74.028+/-0.272 χ^2/NDF: 4417.9/69


reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: 9.543+/-0.621 χ²/NDF: 267.1/15
Left Out: 3.423+/-0.337 χ²/NDF:573.4/17
Right Out: 12.044+/-0.637 χ²/NDF: 195.8/18
Left In: 3.172+/-0.344 χ²/NDF:314.5/16
Left: 3.300+/-0.241 χ²/NDF: 888.1/34
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 4.668+/-0.301 χ²/NDF:662.0/32
Out: 5.305+/-0.298 χ²/NDF:912.4/36
All: 4.990+/-0.212 χ²/NDF: 1576.7/69



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 129.437+/-0.484 χ^2/NDF:1007.4/17

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 130.019+/-0.485 χ^2/NDF:894.0/16

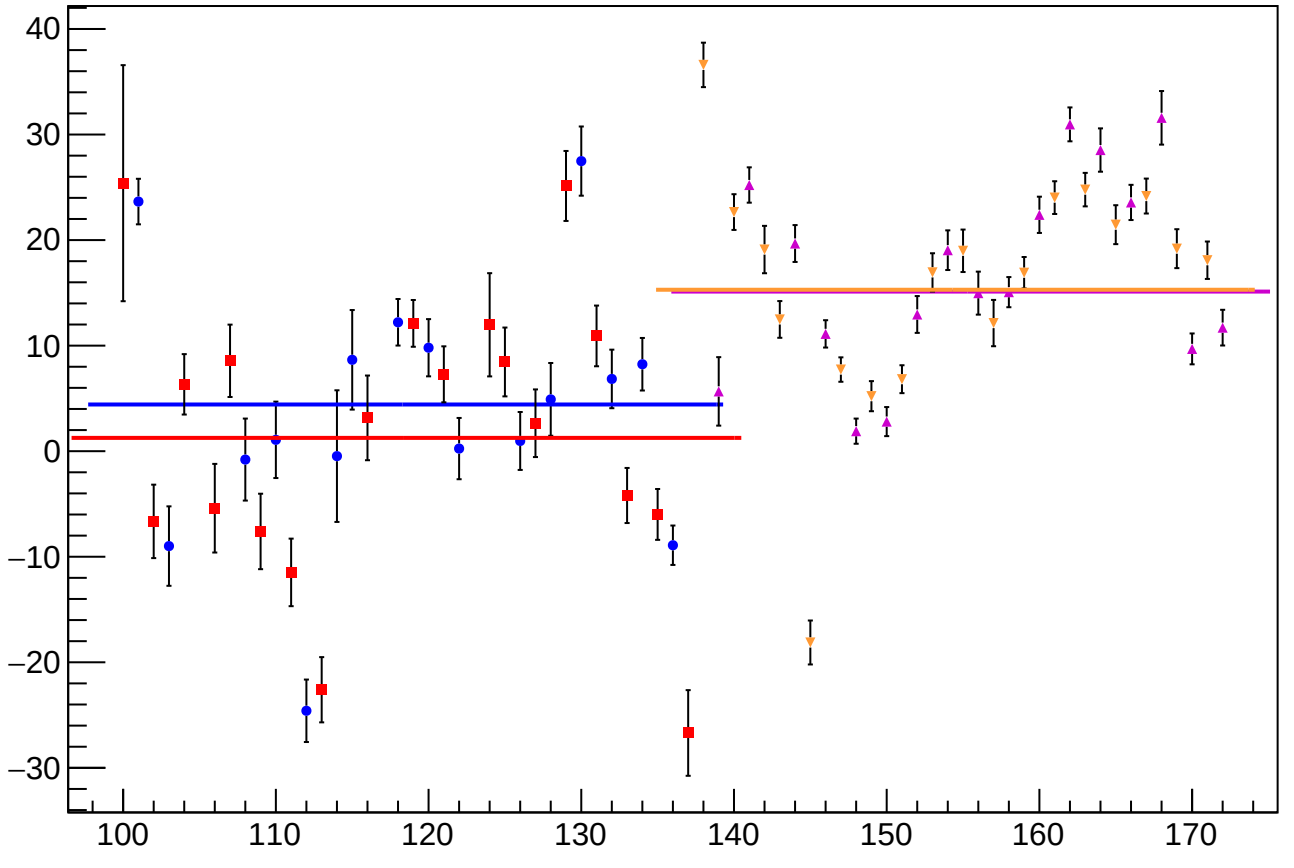
Left: 129.727+/-0.343 χ^2/NDF: 1902.1/34

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 138.497+/-0.391 χ^2/NDF:3980.4/32

Out: 139.150+/-0.395 χ^2/NDF:3871.8/36

All: 138.821+/-0.278 χ^2/NDF: 7853.5/69



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 15.295+/-0.394 χ^2/NDF:639.9/17

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 15.121+/-0.400 χ^2/NDF:513.8/16

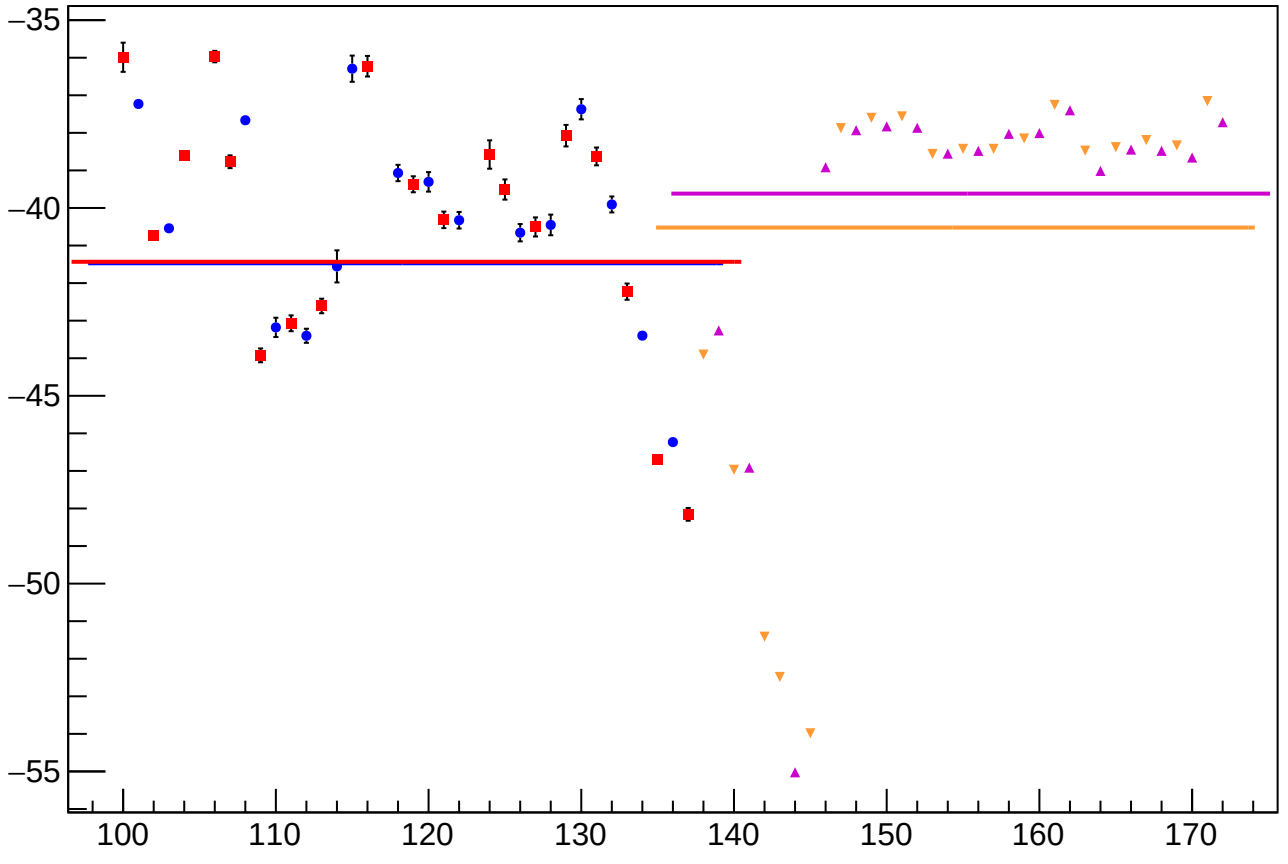
Left: 15.209+/-0.281 χ^2/NDF: 1153.8/34

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 12.565+/-0.349 χ^2/NDF:1000.7/32

Out: 12.140+/-0.347 χ^2/NDF:1190.1/36

All: 12.351+/-0.246 χ^2/NDF: 2191.5/69



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -40.521+/-0.018 χ^2/NDF:75422.5/17

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -39.618+/-0.018 χ^2/NDF:43914.6/16

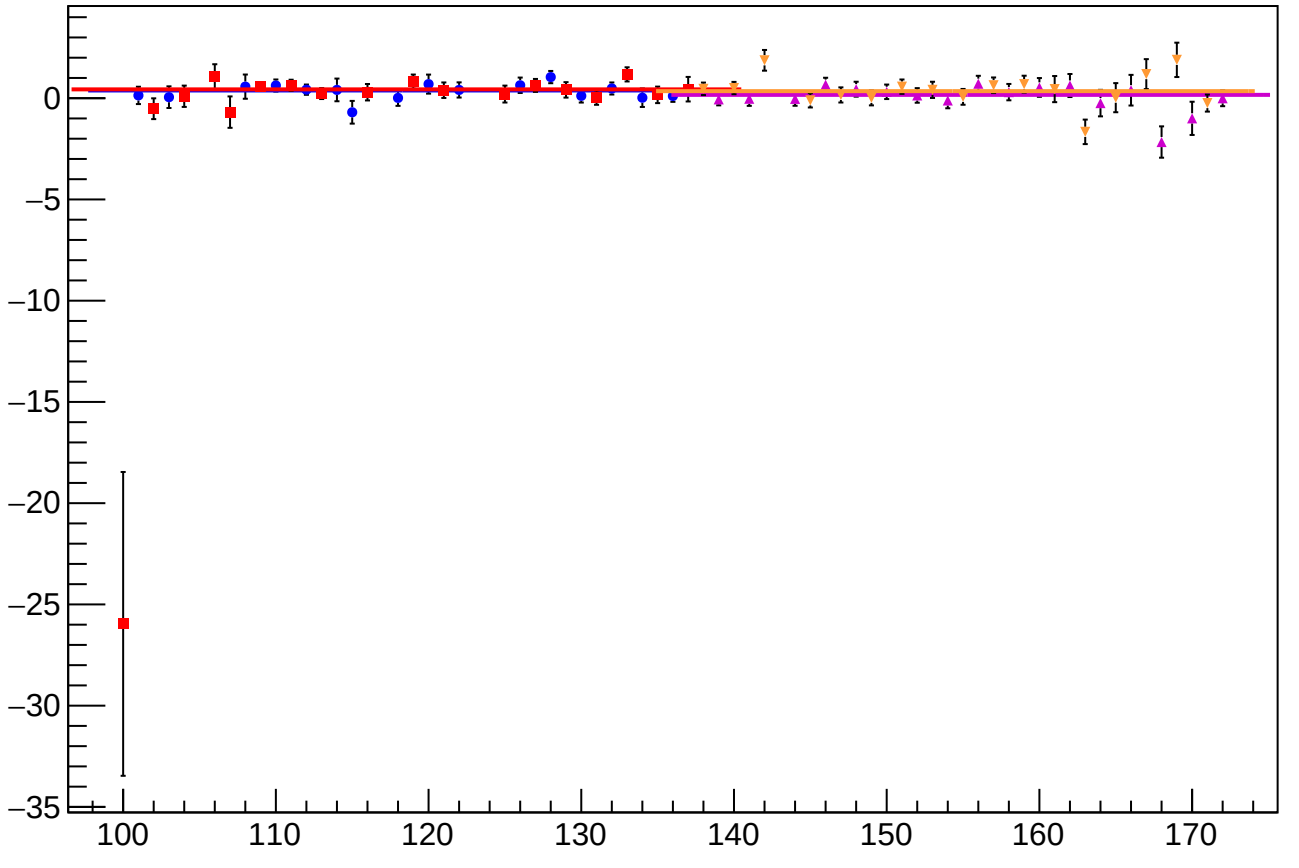
Left: -40.065+/-0.013 χ^2/NDF: 120561.4/34

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -39.961+/-0.016 χ^2/NDF:53754.9/32

Out: -40.683+/-0.017 χ^2/NDF:84085.6/36

All: -40.317+/-0.012 χ^2/NDF: 138795.1/69



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.349+/-0.102 χ^2/NDF:32.0/16

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.165+/-0.100 χ^2/NDF:19.8/16

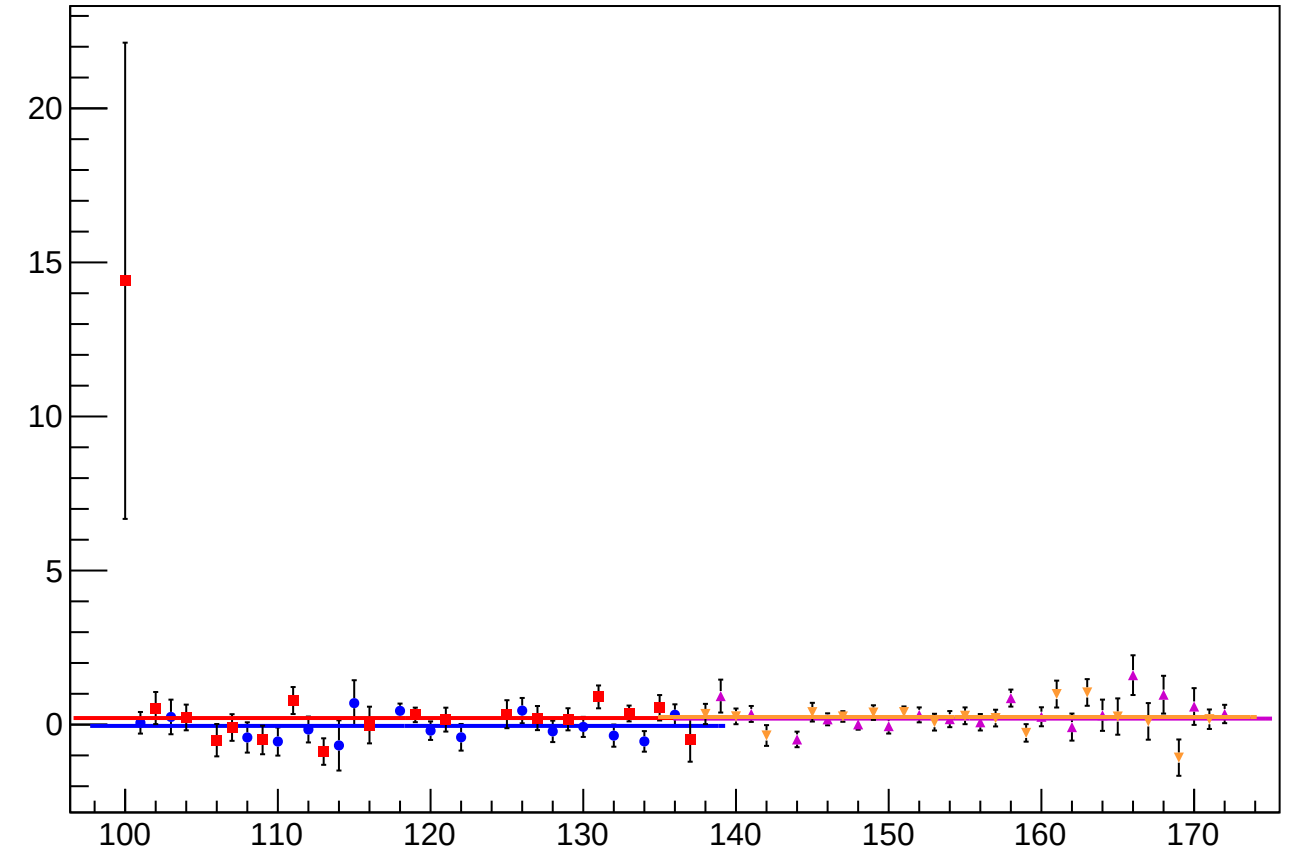
Left: 0.255+/-0.071 χ^2/NDF: 53.4/33

Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.282+/-0.068 χ^2/NDF:36.3/32

Out: 0.398+/-0.067 χ^2/NDF:61.4/34

All: 0.340+/-0.048 χ^2/NDF: 99.2/67



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.247+/-0.069 χ^2/NDF:19.8/16

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.194+/-0.069 χ^2/NDF:25.4/16

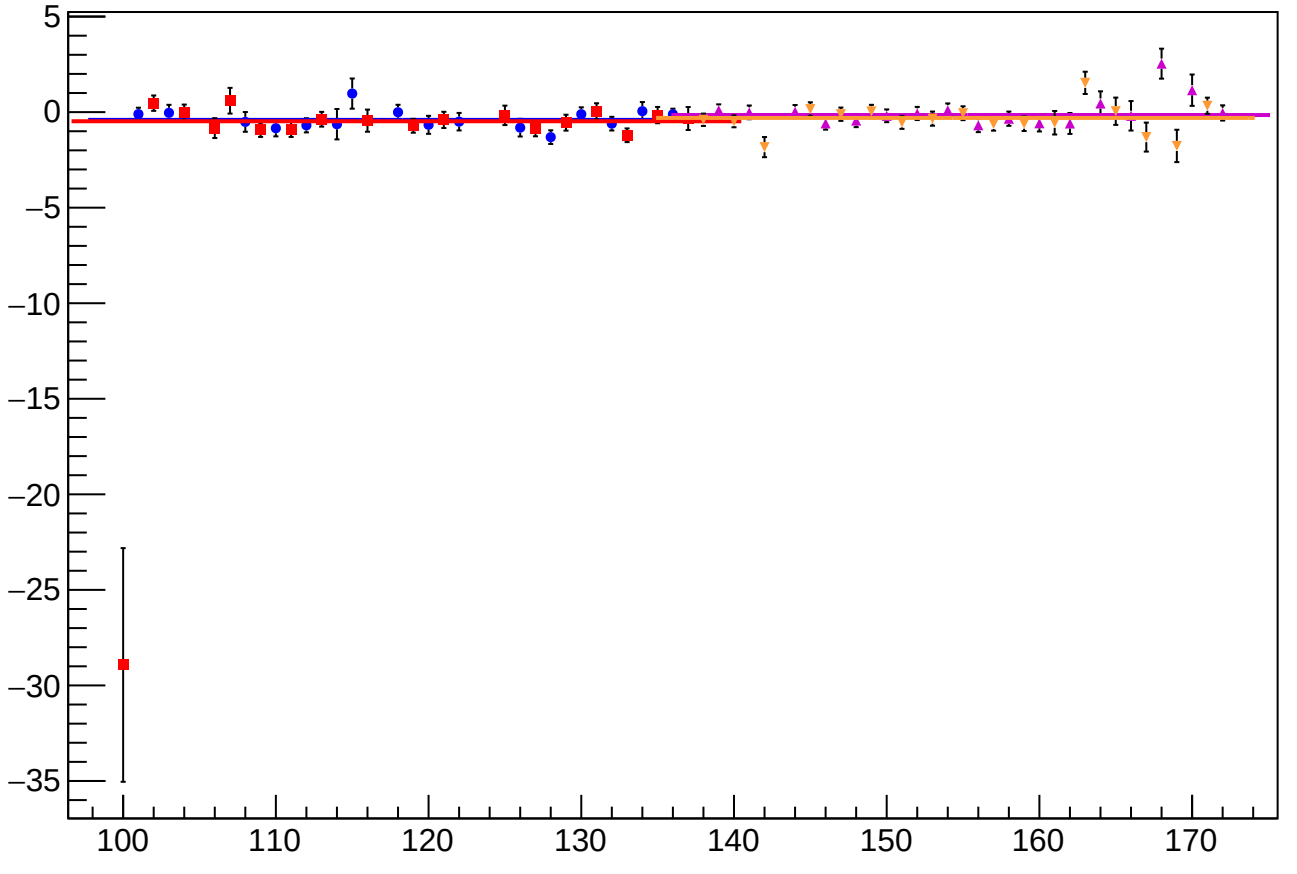
Left: 0.221+/-0.049 χ^2/NDF: 45.4/33

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.111+/-0.056 χ^2/NDF:44.5/32

Out: 0.235+/-0.056 χ^2/NDF:42.3/34

All: 0.173+/-0.040 χ^2/NDF: 89.2/67



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.304+/-0.099 χ^2/NDF:31.4/16

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.152+/-0.097 χ^2/NDF:23.4/16

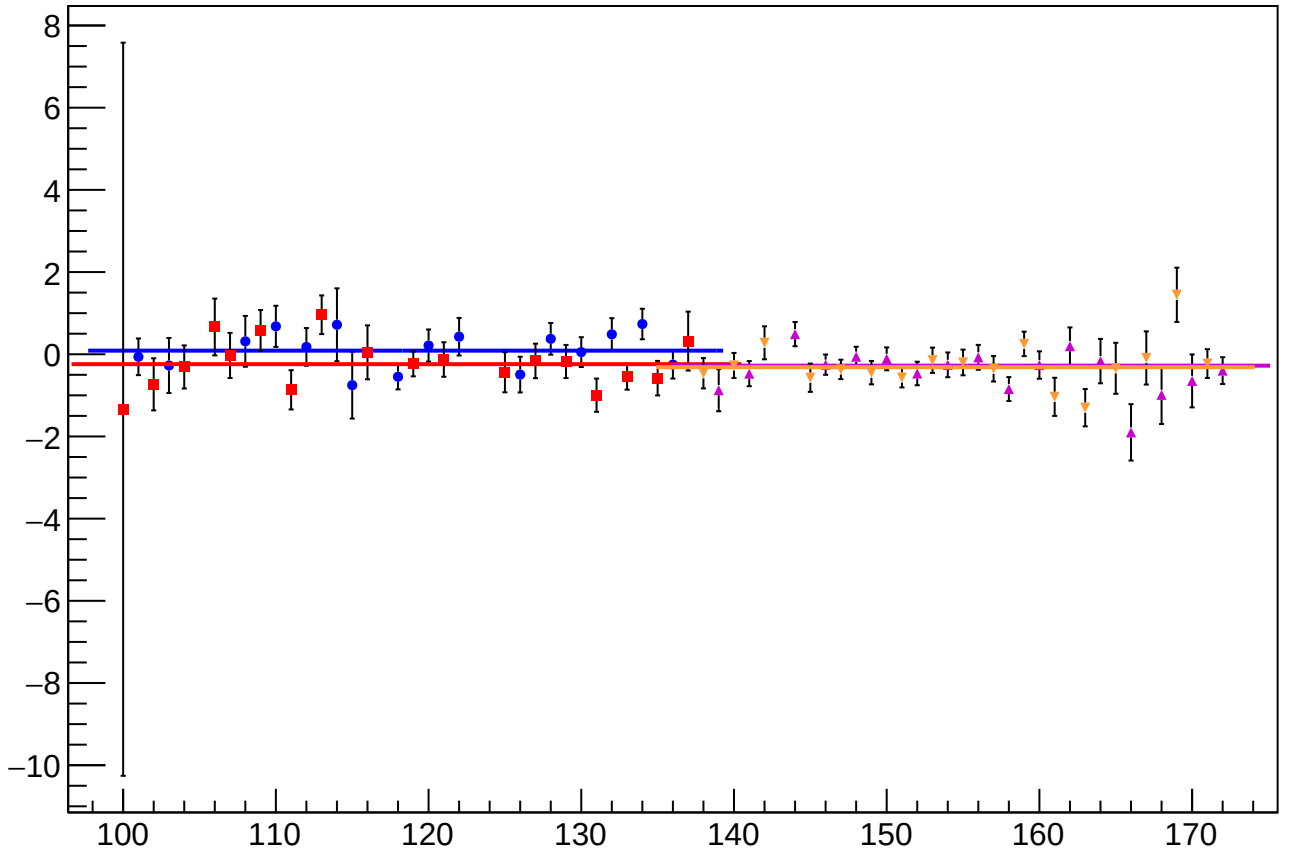
Left: -0.226+/-0.069 χ^2/NDF: 56.0/33

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.271+/-0.071 χ^2/NDF:44.4/32

Out: -0.386+/-0.072 χ^2/NDF:75.1/34

All: -0.328+/-0.050 χ^2/NDF: 120.8/67



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.315+/-0.082 χ^2/NDF:22.8/16

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.277+/-0.081 χ^2/NDF:22.6/16

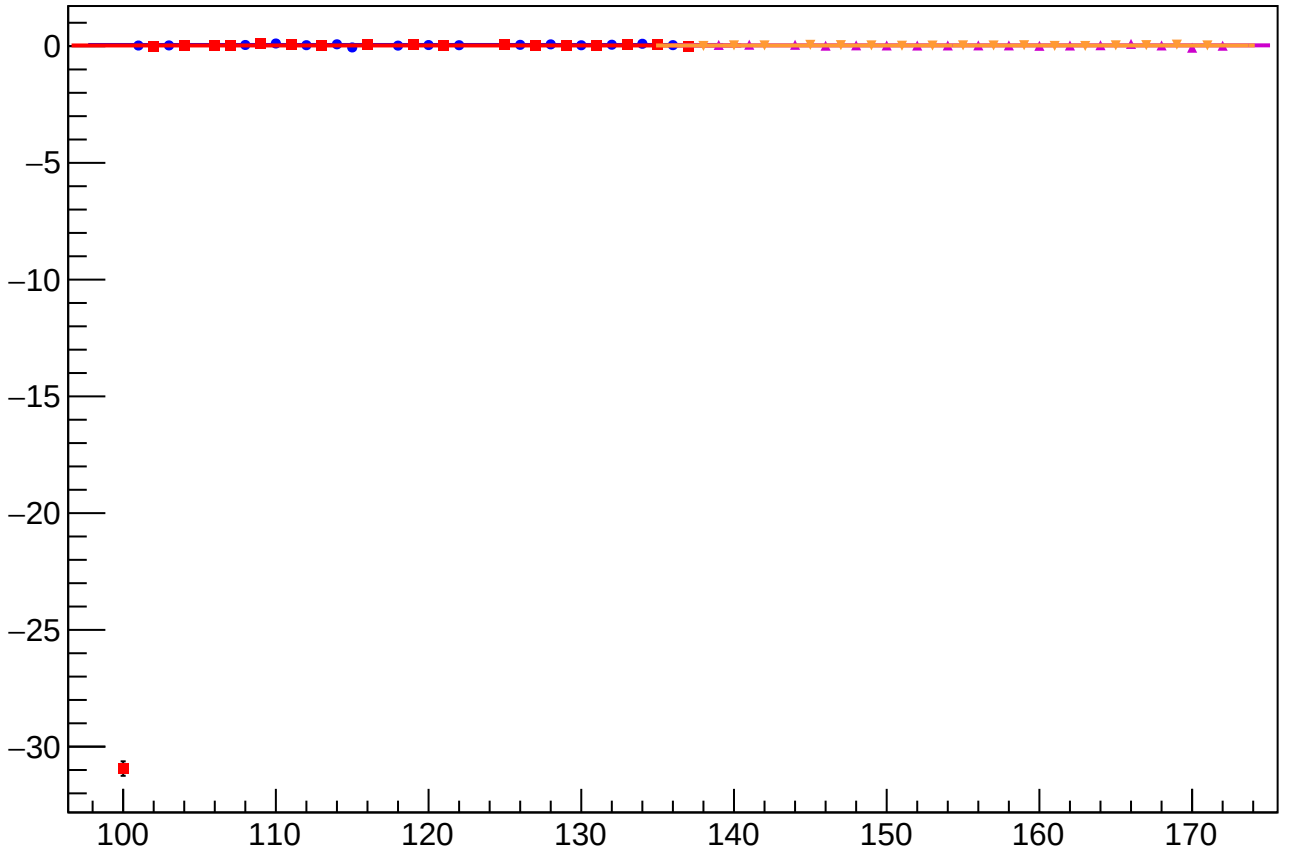
Left: -0.296+/-0.058 χ^2/NDF: 45.5/33

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.146+/-0.065 χ^2/NDF:45.8/32

Out: -0.288+/-0.066 χ^2/NDF:42.7/34

All: -0.216+/-0.046 χ^2/NDF: 90.8/67



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.028+/-0.004 χ^2/NDF:12.0/16

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.033+/-0.004 χ^2/NDF:30.3/16

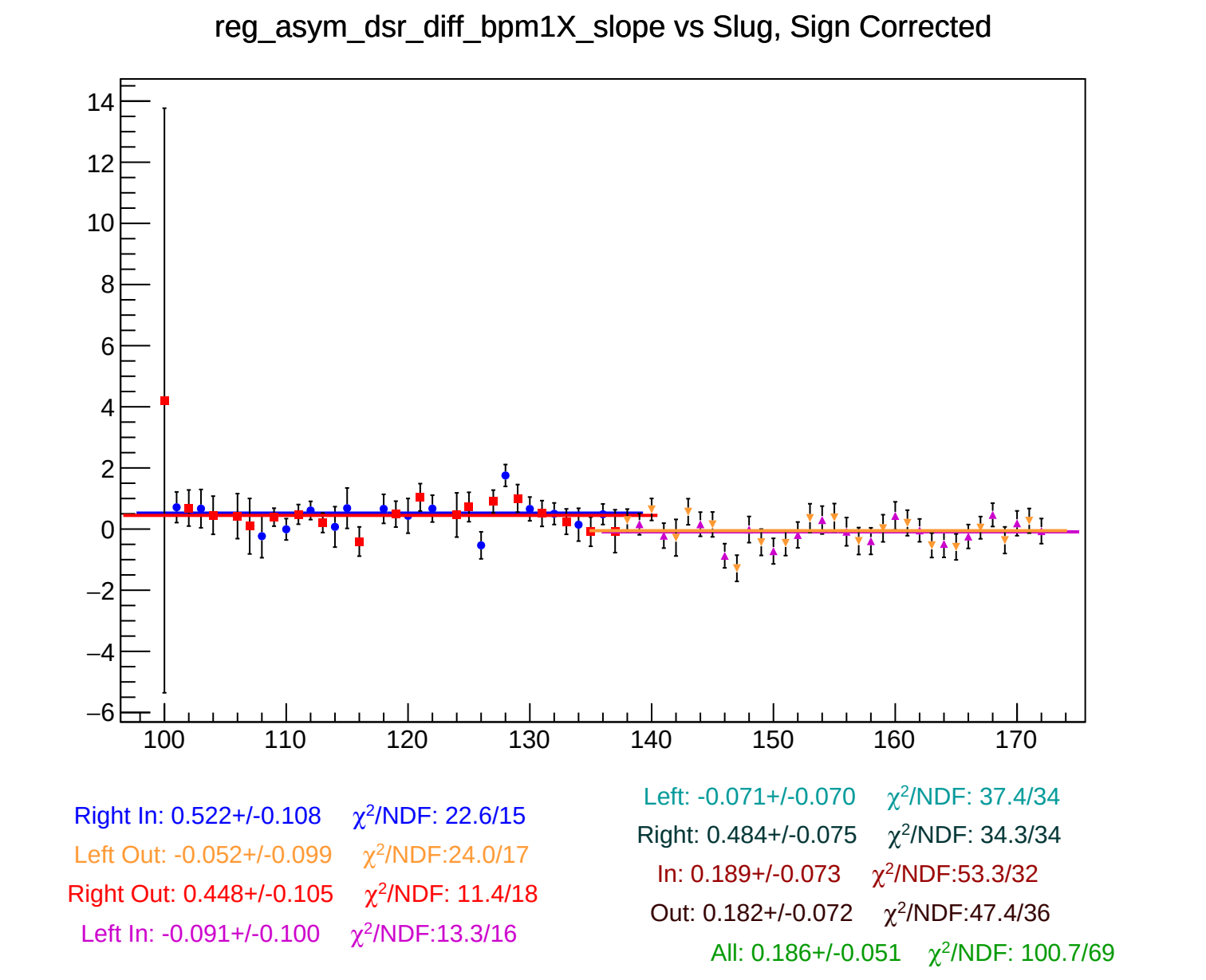
Left: 0.030+/-0.003 χ^2/NDF: 43.2/33

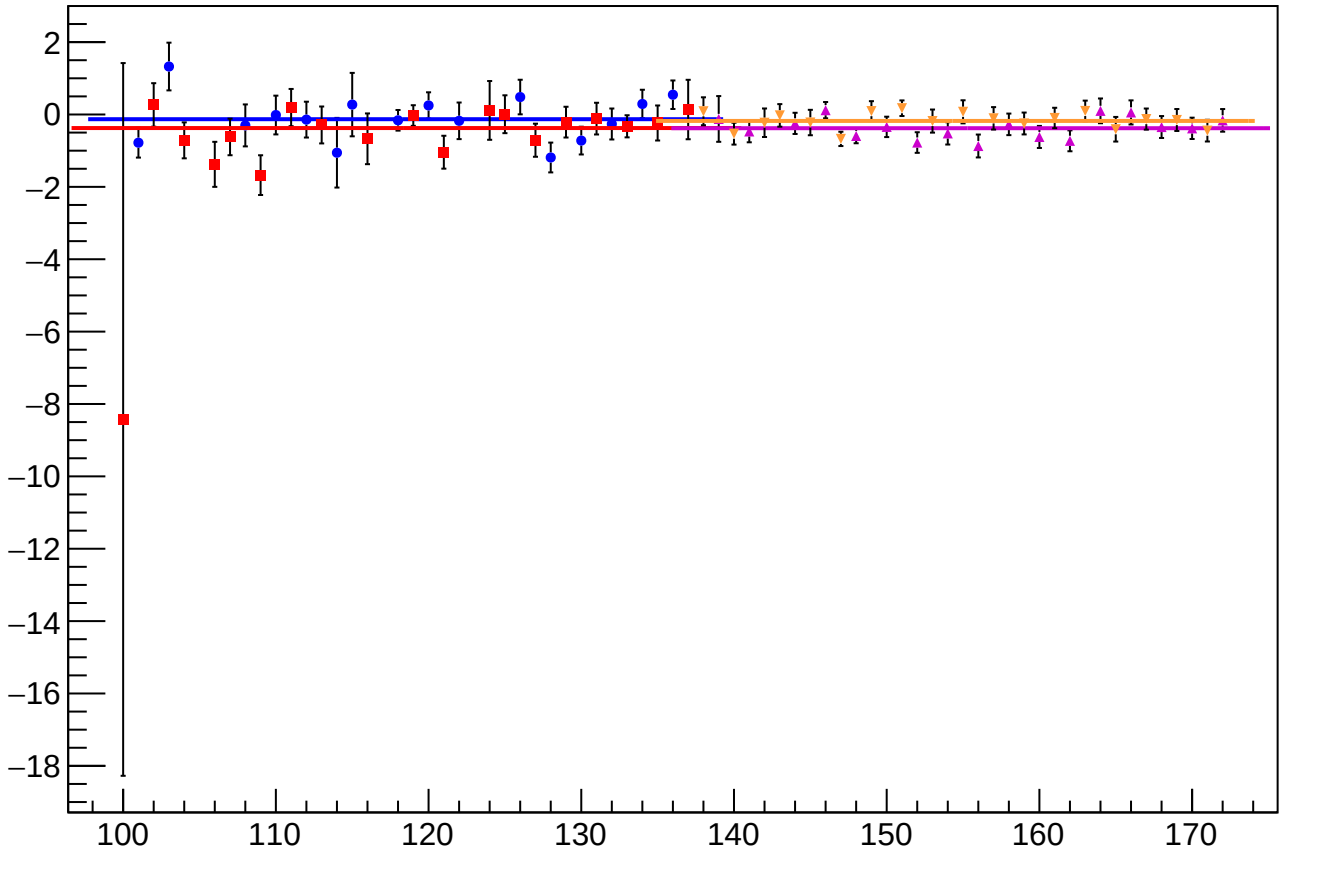
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.037+/-0.003 χ^2/NDF:54.3/32

Out: 0.028+/-0.003 χ^2/NDF:10032.9/34

All: 0.032+/-0.002 χ^2/NDF: 10091.0/67


reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected
14
12
10
8
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
Right In: 0.522+/-0.108 χ²/NDF: 22.6/15
Left Out: -0.052+/-0.099 χ²/NDF:24.0/17
Right Out: 0.448+/-0.105 χ²/NDF: 11.4/18
Left In: -0.091+/-0.100 χ²/NDF:13.3/16
Left: -0.071+/-0.070 χ²/NDF: 37.4/34
Right: 0.484+/-0.075 χ²/NDF: 34.3/34
In: 0.189+/-0.073 χ²/NDF:53.3/32
Out: 0.182+/-0.072 χ²/NDF:47.4/36
All: 0.186+/-0.051 χ²/NDF: 100.7/69



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.178+/-0.069 χ^2/NDF:15.1/17

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.379+/-0.071 χ^2/NDF:17.5/16

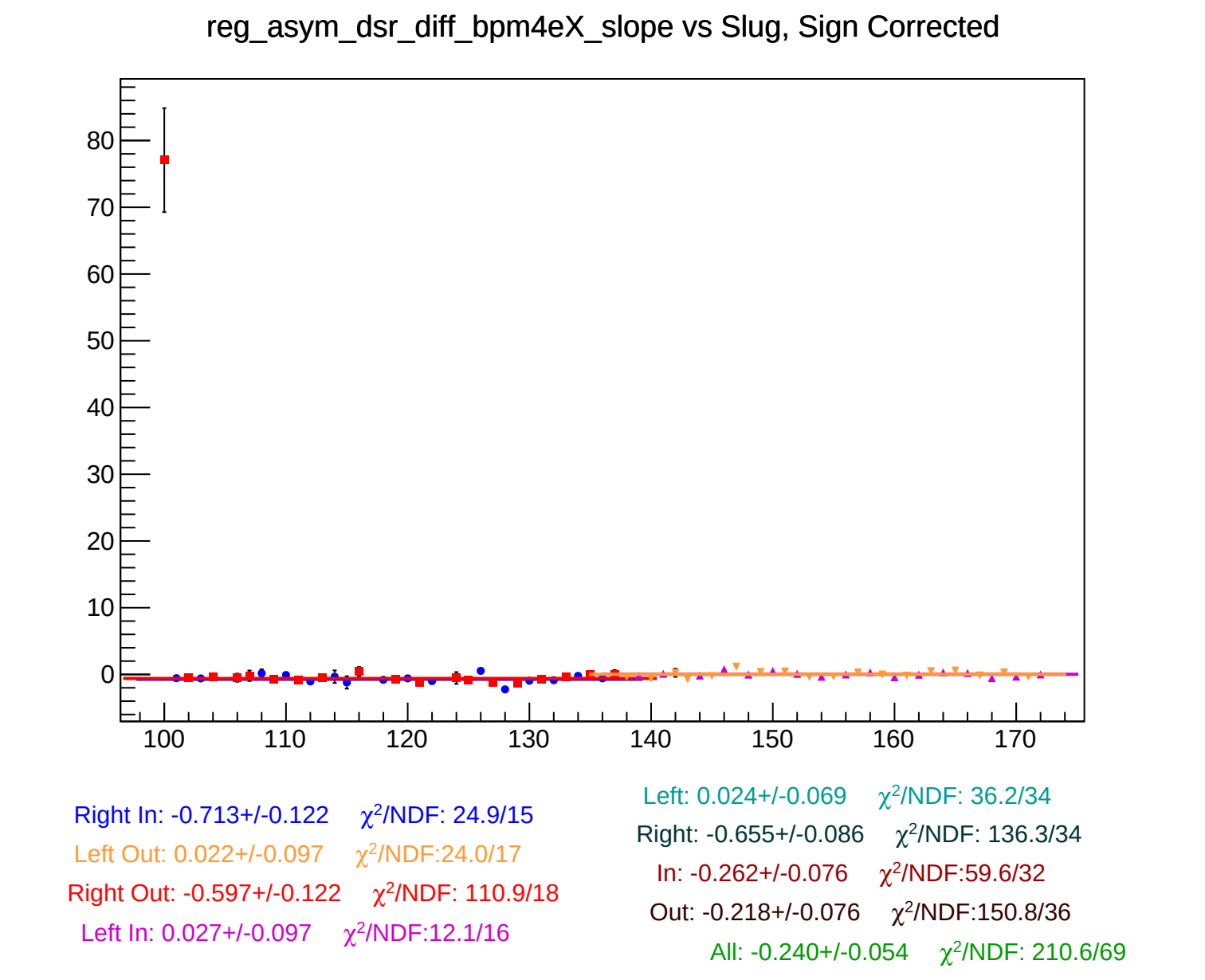
Left: -0.276+/-0.049 χ^2/NDF: 36.7/34

Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

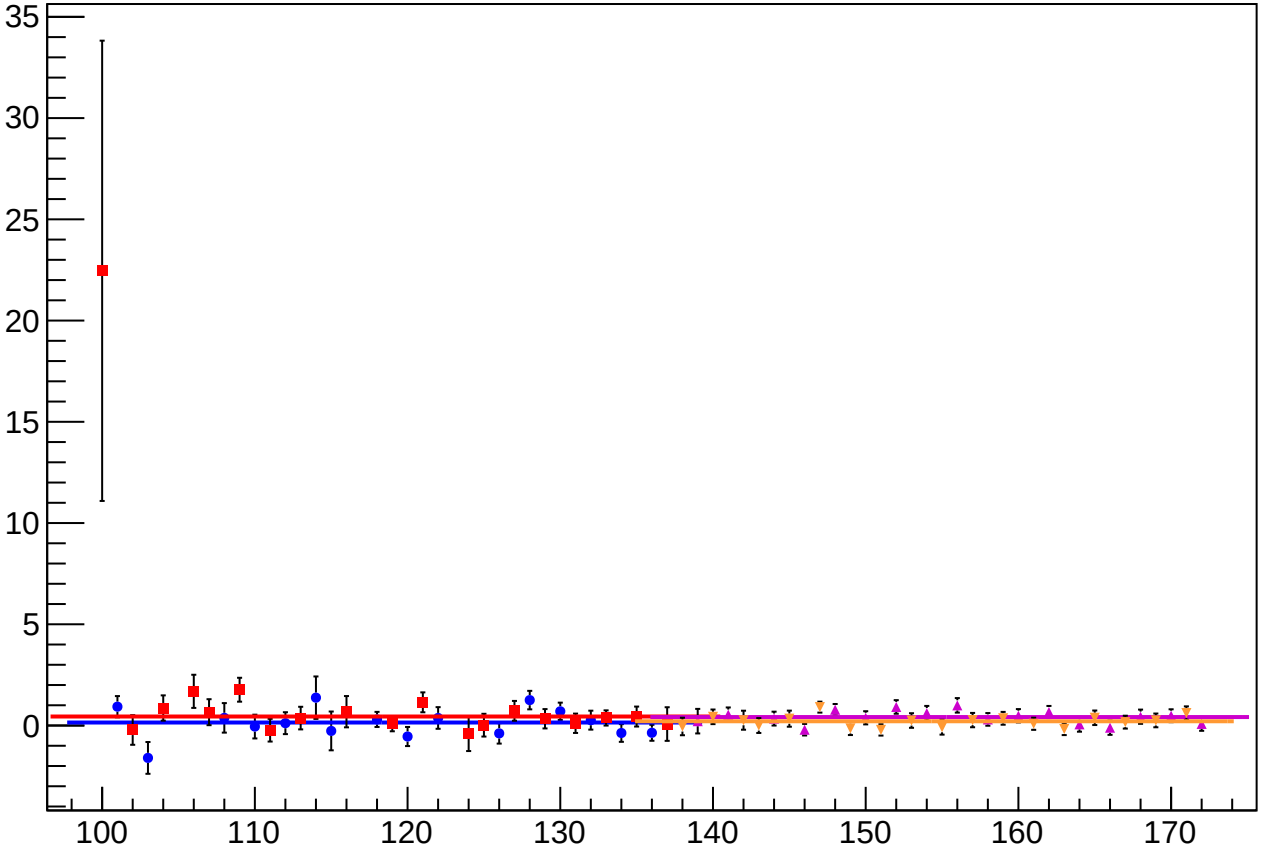
In: -0.308+/-0.060 χ^2/NDF:45.6/32

Out: -0.233+/-0.059 χ^2/NDF:35.6/36

All: -0.269+/-0.042 χ^2/NDF: 81.9/69


reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: -0.713+/-0.122 χ2/NDF: 24.9/15
Left Out: 0.022+/-0.097 χ2/NDF:24.0/17
Right Out: -0.597+/-0.122 χ2/NDF: 110.9/18
Left In: 0.027+/-0.097 χ2/NDF:12.1/16
Left: 0.024+/-0.069 χ2/NDF: 36.2/34
Right: -0.655+/-0.086 χ2/NDF: 136.3/34
In: -0.262+/-0.076 χ2/NDF:59.6/32
Out: -0.218+/-0.076 χ2/NDF:150.8/36
All: -0.240+/-0.054 χ2/NDF: 210.6/69

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.210+/-0.080 χ^2/NDF:15.7/17

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.418+/-0.081 χ^2/NDF:16.9/16

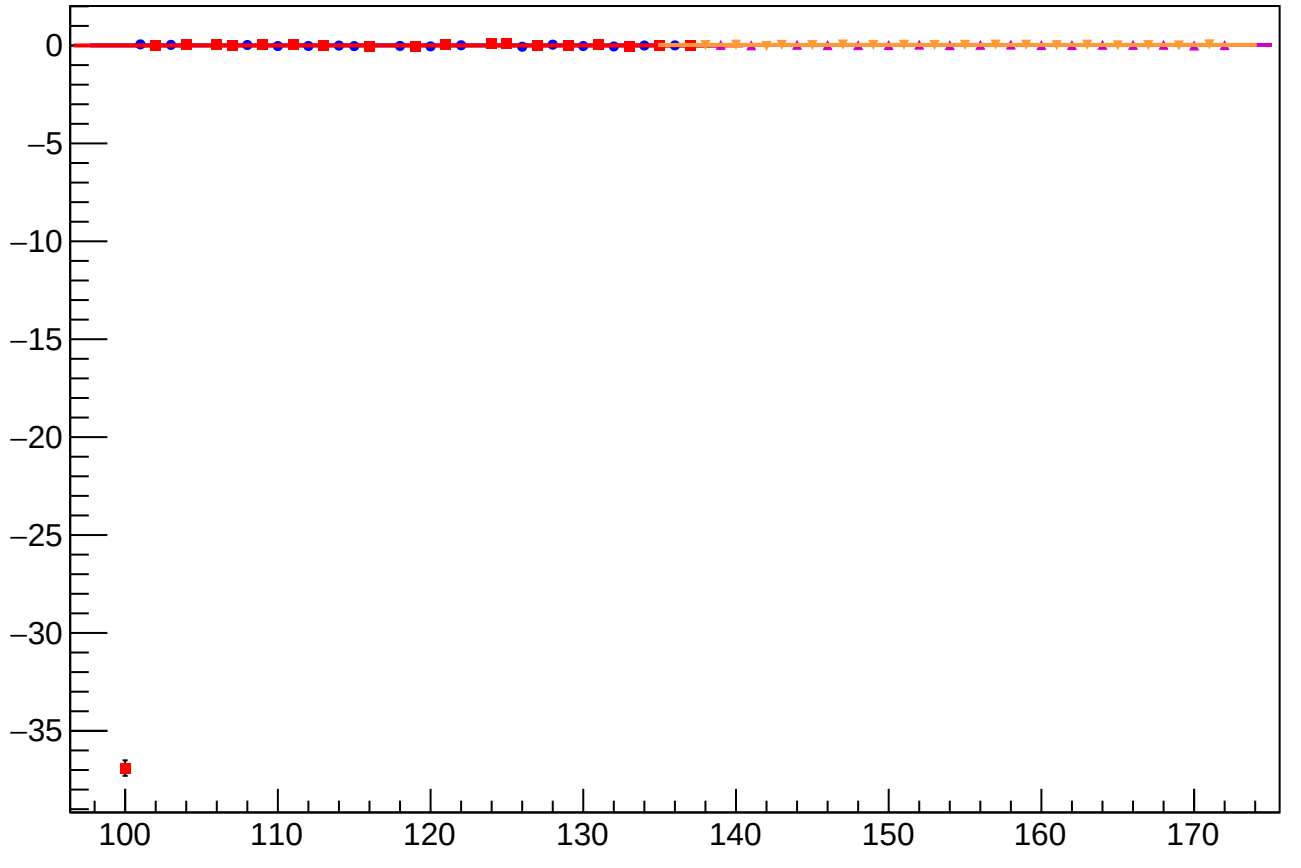
Left: 0.312+/-0.057 χ^2/NDF: 35.9/34

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.340+/-0.069 χ^2/NDF:43.3/32

Out: 0.276+/-0.068 χ^2/NDF:37.8/36

All: 0.307+/-0.048 χ^2/NDF: 81.6/69



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.028+/-0.004 χ^2/NDF:20.7/17

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.029+/-0.004 χ^2/NDF:10.3/16

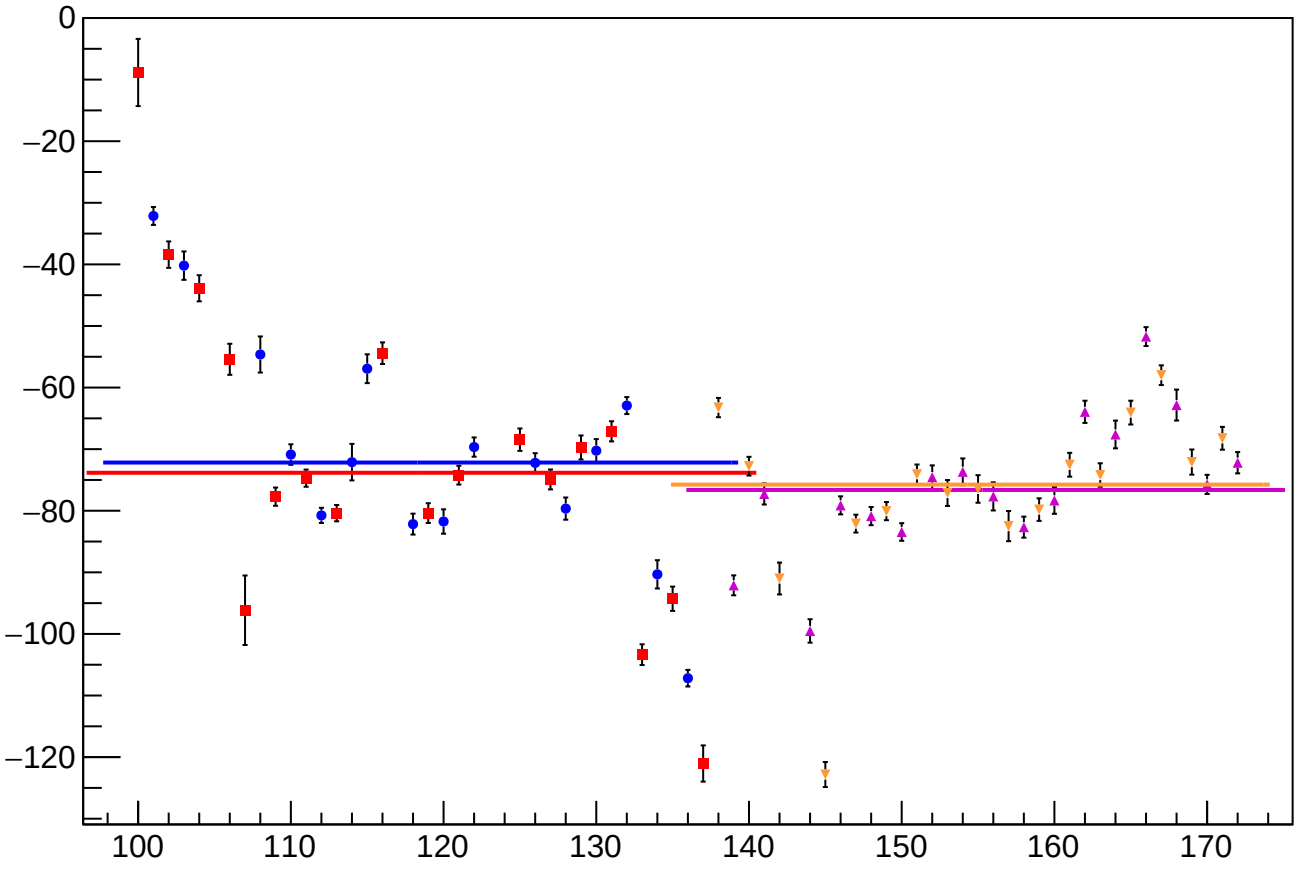
Left: 0.028+/-0.003 χ^2/NDF: 30.9/34

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:8784.0/36

All: 0.024+/-0.002 χ^2/NDF: 8819.4/69



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -75.756+/-0.439 χ^2/NDF:863.1/16

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -76.624+/-0.427 χ^2/NDF:654.3/16

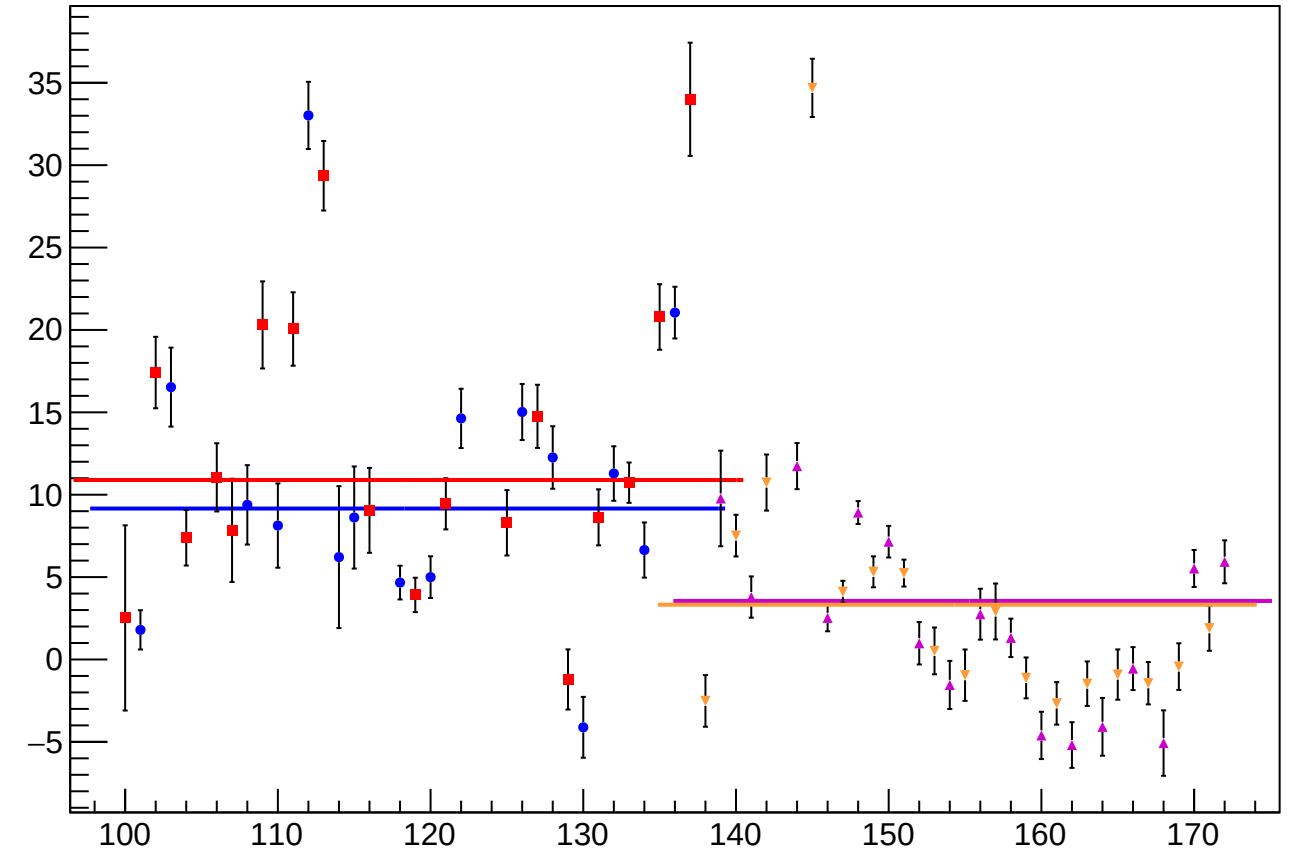
Left: -76.202+/-0.306 χ^2/NDF: 1519.5/33

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -74.424+/-0.304 χ^2/NDF:2644.0/32

Out: -74.775+/-0.307 χ^2/NDF:2430.6/34

All: -74.597+/-0.216 χ^2/NDF: 5075.3/67



Right In: 9.161+/-0.425 χ^2/NDF: 352.1/15

Left Out: 3.324+/-0.292 χ^2/NDF:458.2/16

Right Out: 10.892+/-0.440 χ^2/NDF: 290.2/17

Left In: 3.552+/-0.292 χ^2/NDF:260.6/16

Left: 3.438+/-0.207 χ^2/NDF: 719.1/33

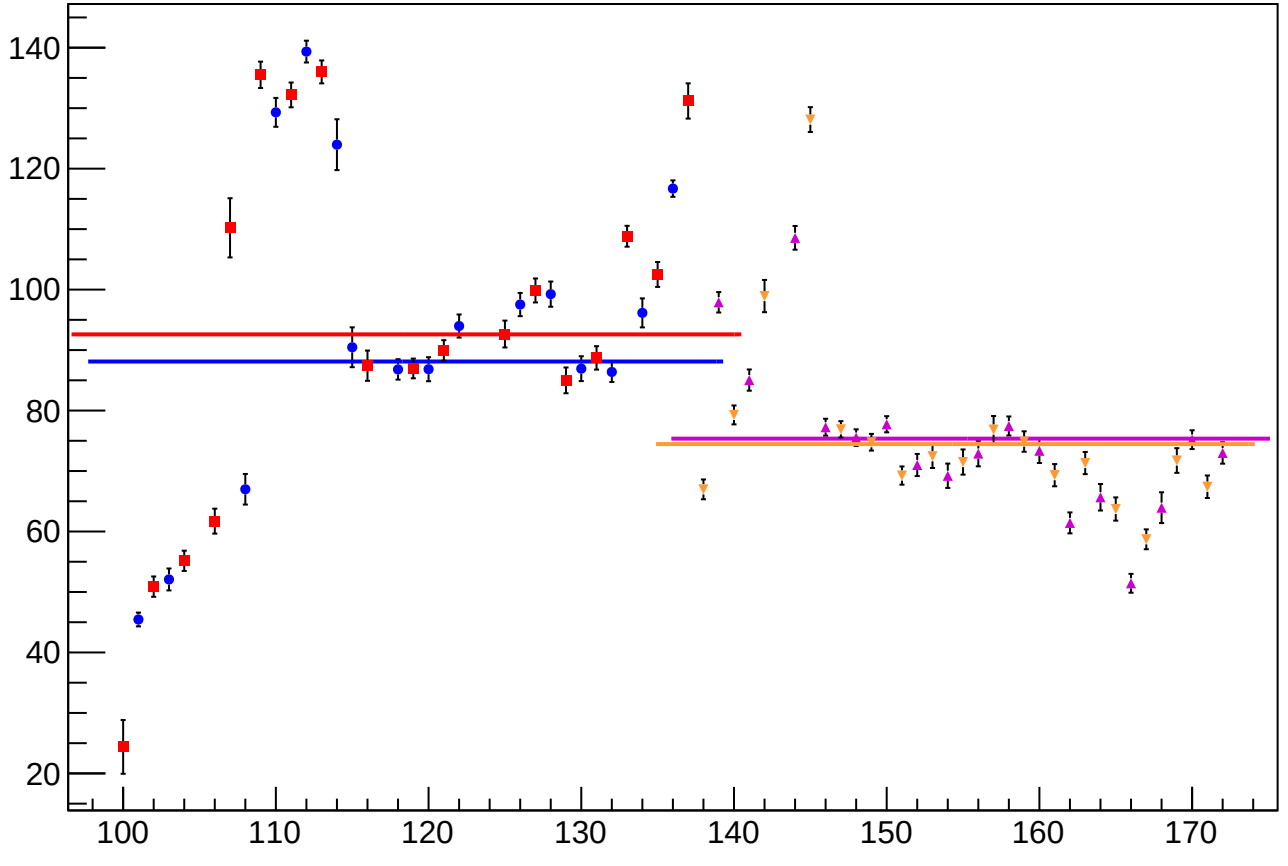
Right: 9.996+/-0.306 χ^2/NDF: 650.3/33

In: 5.351+/-0.241 χ^2/NDF:730.9/32

Out: 5.639+/-0.243 χ^2/NDF:953.6/34

All: 5.494+/-0.171 χ^2/NDF: 1685.2/67

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: 74.456+/-0.427 χ^2/NDF:963.8/16

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 75.354+/-0.416 χ^2/NDF:861.7/16

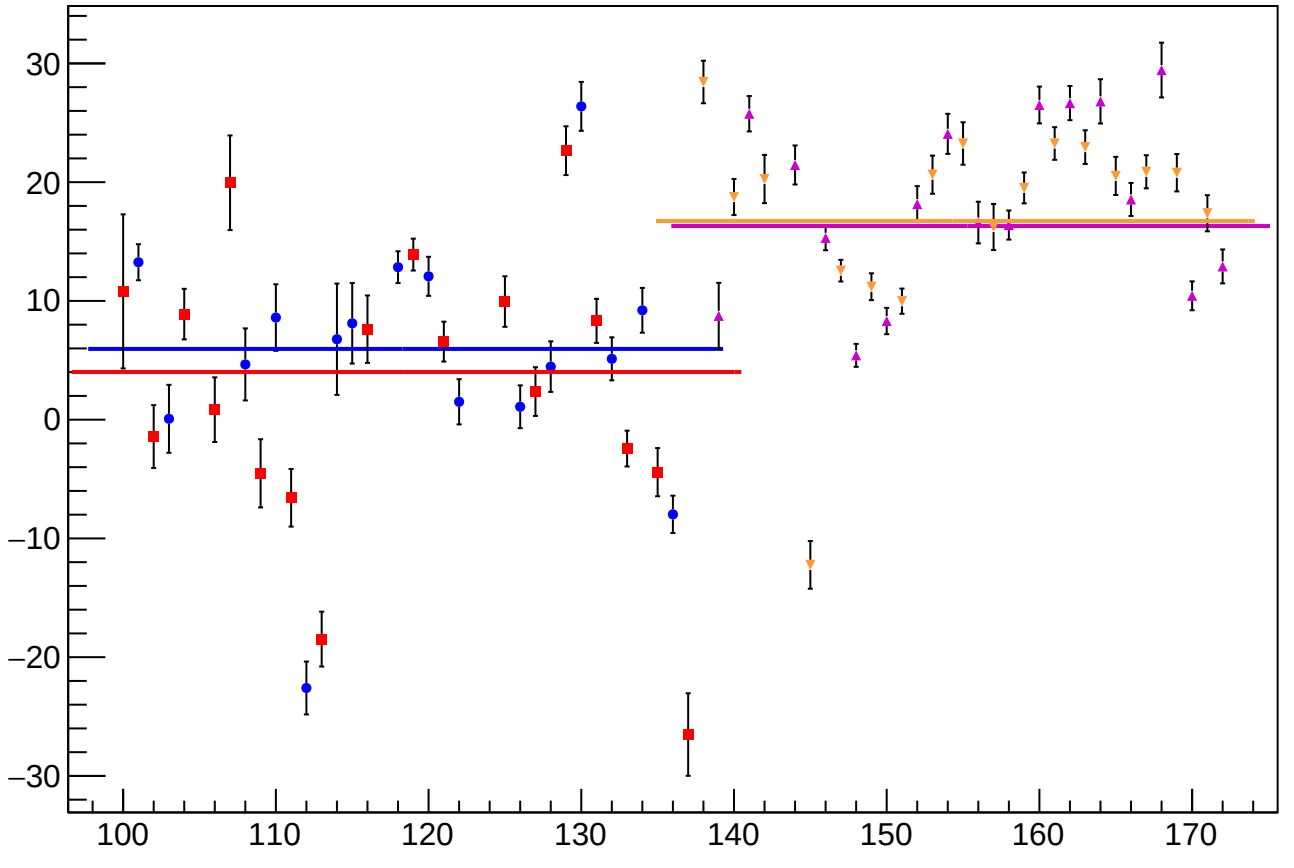
Left: 74.918+/-0.298 χ^2/NDF: 1827.7/33

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 80.969+/-0.311 χ^2/NDF:4838.1/32

Out: 82.415+/-0.320 χ^2/NDF:4966.0/34

All: 81.671+/-0.223 χ^2/NDF: 9814.6/67



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 16.729+/-0.344 χ^2/NDF:428.2/16

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 16.307+/-0.341 χ^2/NDF:450.8/16

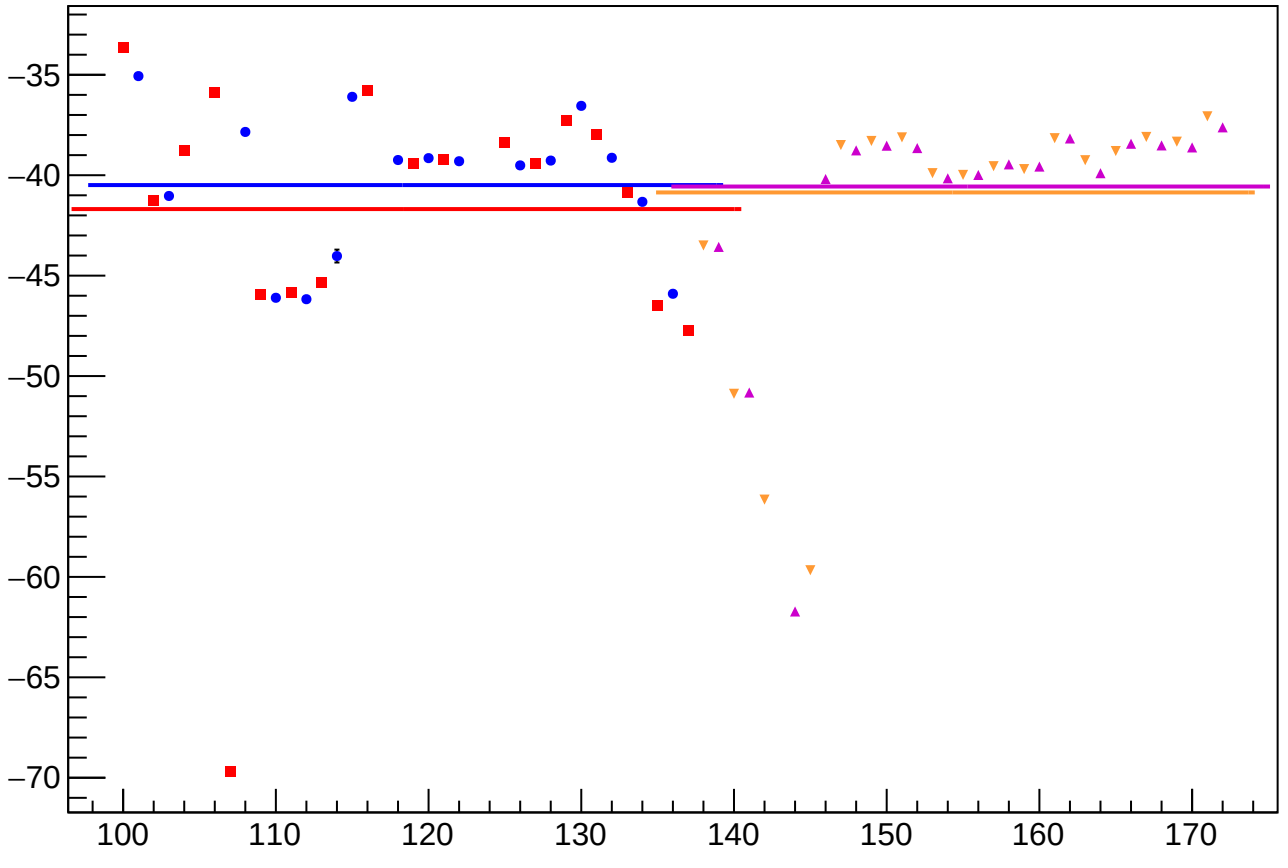
Left: 16.516+/-0.242 χ^2/NDF: 879.8/33

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 12.972+/-0.281 χ^2/NDF:1174.2/32

Out: 12.742+/-0.285 χ^2/NDF:1273.0/34

All: 12.859+/-0.200 χ^2/NDF: 2447.5/67



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -40.857+/-0.016 χ^2/NDF:112190.0/16

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -40.563+/-0.016 χ^2/NDF:91585.6/16

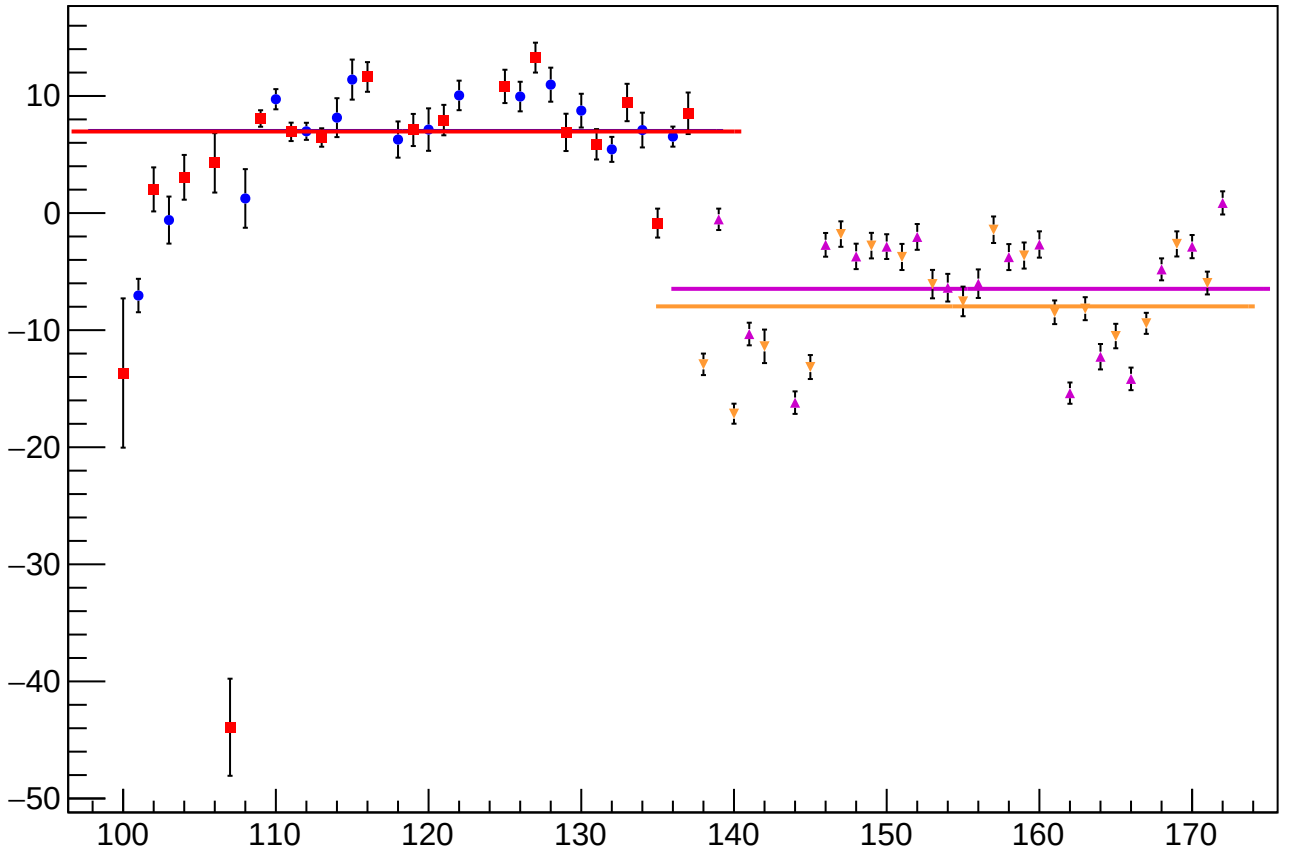
Left: -40.705+/-0.011 χ^2/NDF: 203947.5/33

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -40.546+/-0.014 χ^2/NDF:109715.9/32

Out: -41.051+/-0.014 χ^2/NDF:149642.4/34

All: -40.790+/-0.010 χ^2/NDF: 260018.0/67



Right In: 7.011+/-0.309 χ^2/NDF: 156.3/15

Left Out: -7.969+/-0.254 χ^2/NDF:333.3/16

Right Out: 6.967+/-0.298 χ^2/NDF: 266.0/17

Left In: -6.471+/-0.249 χ^2/NDF:485.4/16

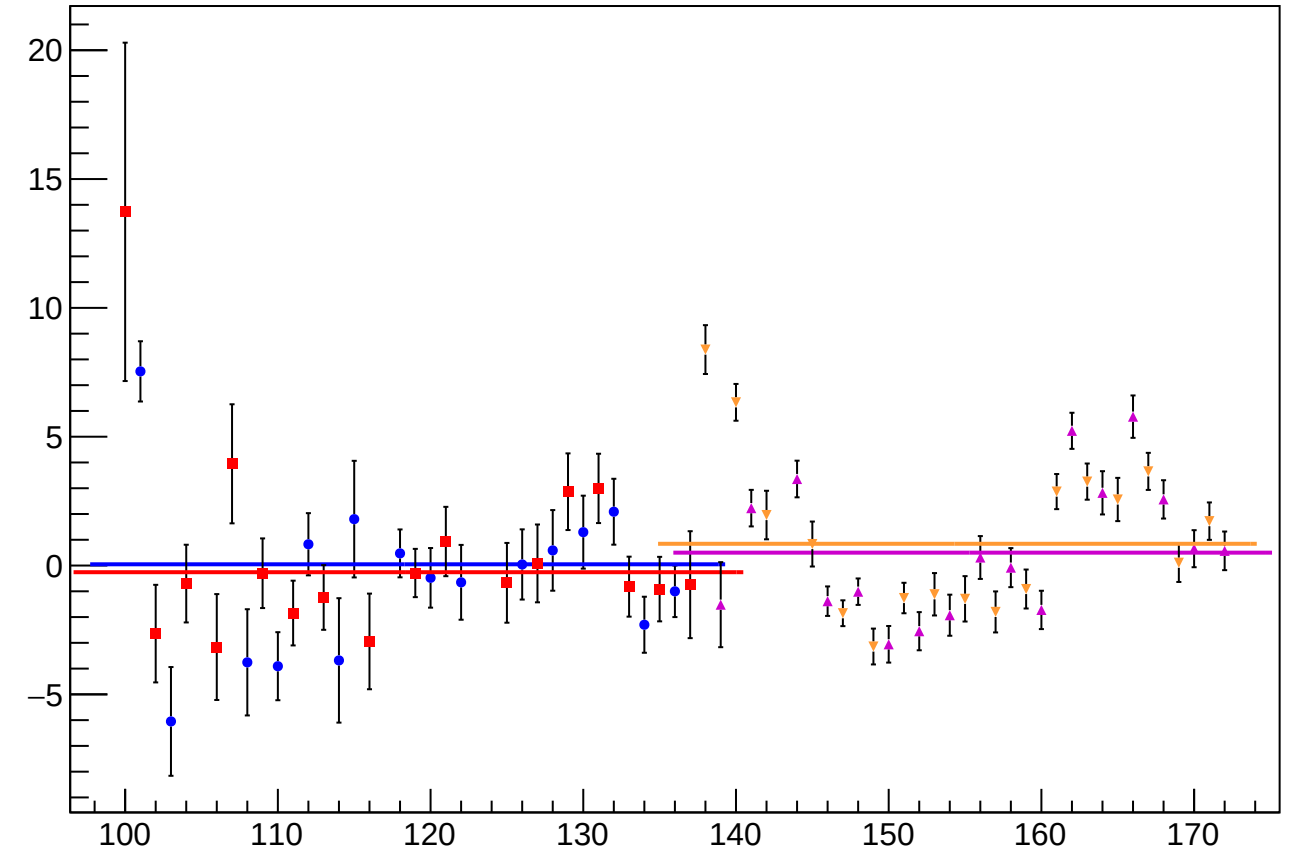
Left: -7.203+/-0.178 χ^2/NDF: 836.4/33

Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: -1.181+/-0.194 χ^2/NDF:1796.6/32

Out: -1.680+/-0.193 χ^2/NDF:2051.9/34

All: -1.431+/-0.137 χ^2/NDF: 3851.8/67



Right In: 0.048+/-0.331 χ^2/NDF: 75.0/15

Left Out: 0.844+/-0.177 χ^2/NDF:268.8/16

Right Out: -0.259+/-0.344 χ^2/NDF: 27.5/17

Left In: 0.500+/-0.177 χ^2/NDF:206.1/16

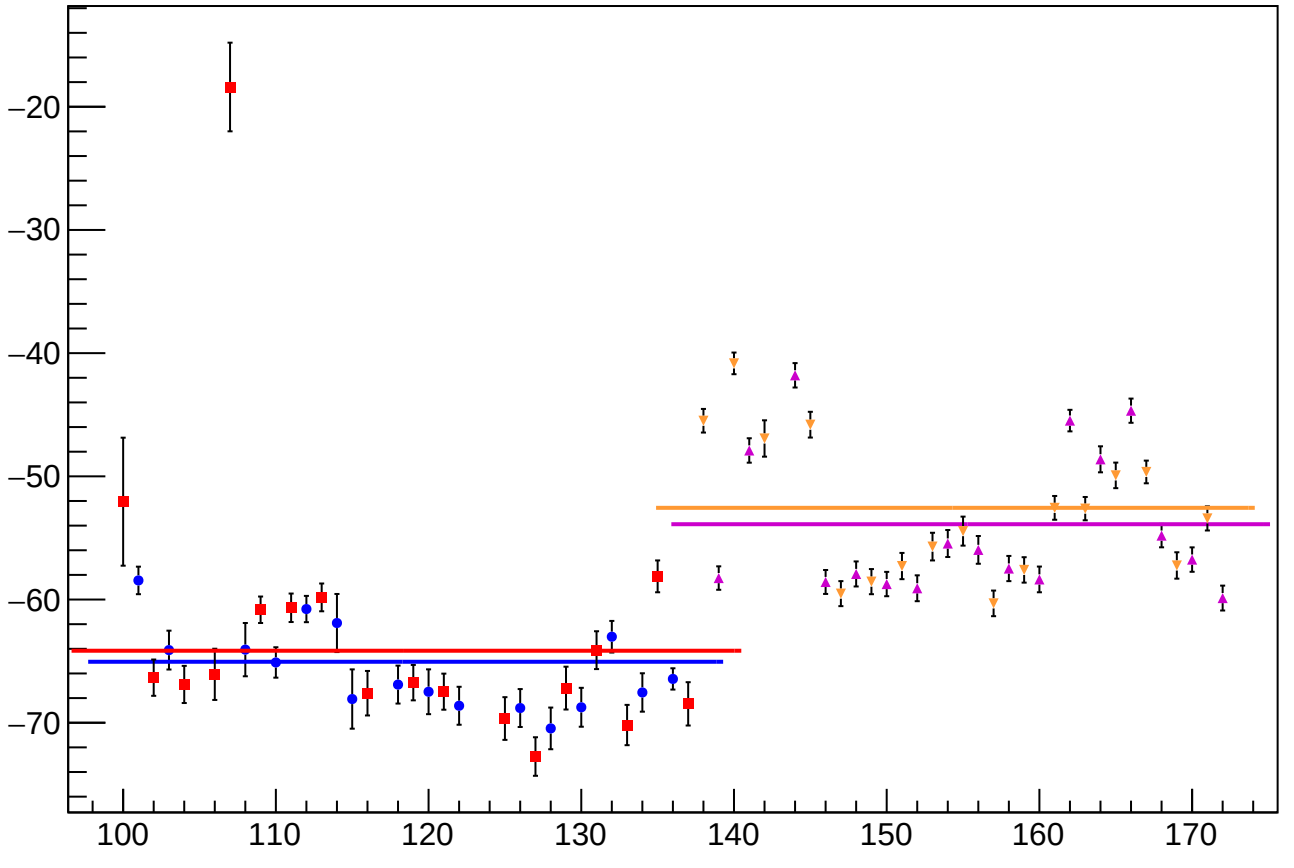
Left: 0.671+/-0.125 χ^2/NDF: 476.8/33

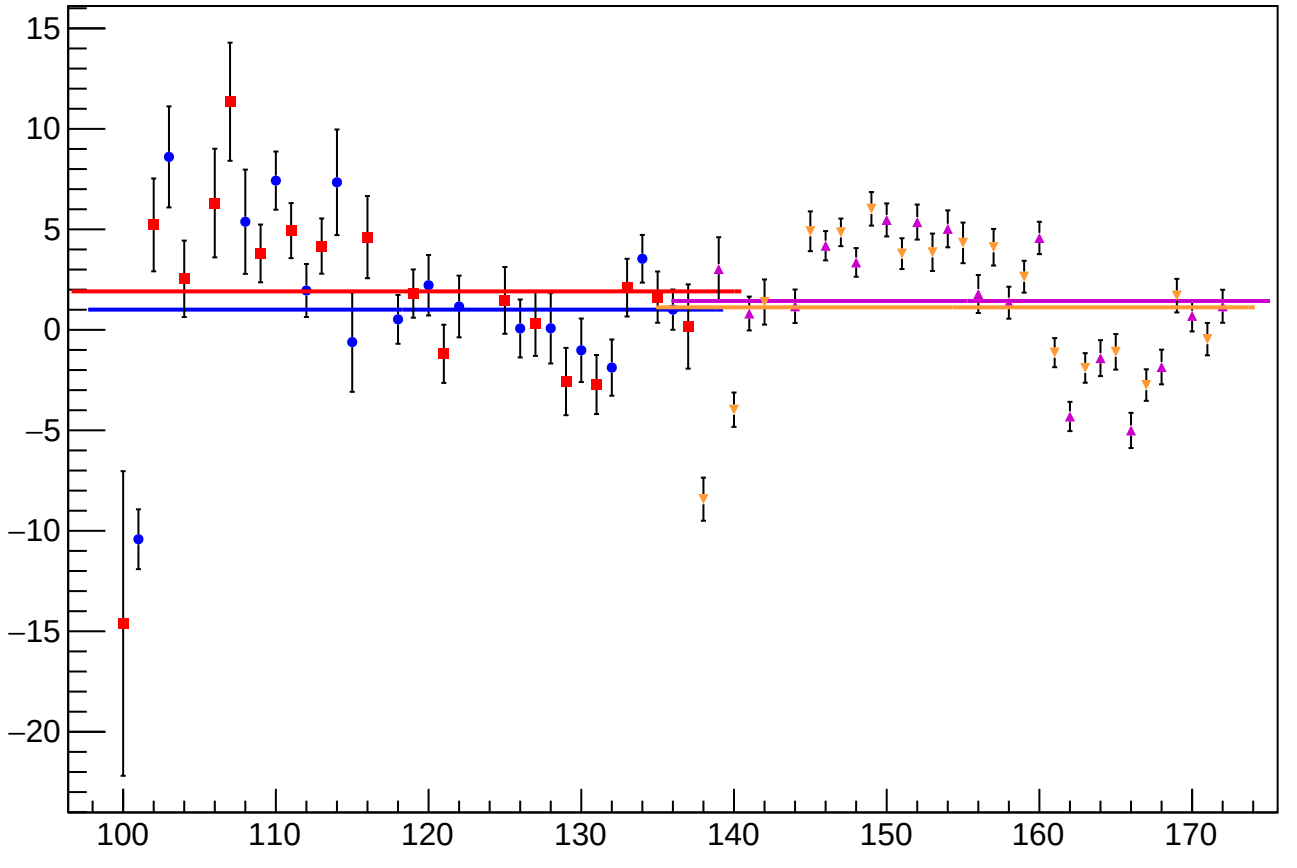
Right: -0.099+/-0.239 χ^2/NDF: 102.9/33

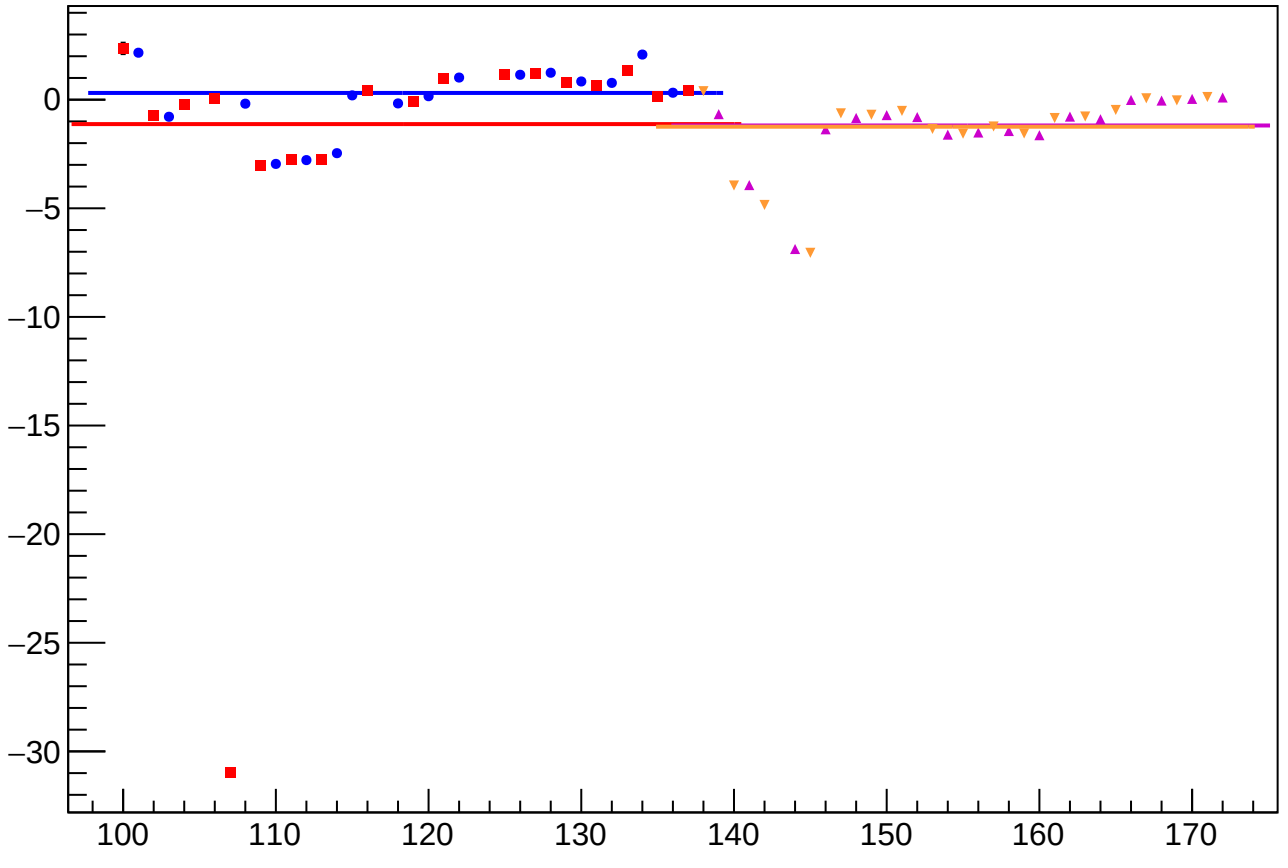
In: 0.400+/-0.156 χ^2/NDF:282.6/32

Out: 0.613+/-0.158 χ^2/NDF:304.4/34

All: 0.505+/-0.111 χ^2/NDF: 587.9/67


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: -52.555+/-0.249 χ²/NDF:516.1/16
Right Out: -64.156+/-0.360 χ²/NDF: 303.7/17
Left In: -53.886+/-0.243 χ²/NDF:580.5/16
Left: -53.236+/-0.174 χ²/NDF: 1111.2/33
Right: -64.611+/-0.253 χ²/NDF: 399.6/33
In: -57.461+/-0.200 χ²/NDF:1349.6/32
Out: -56.298+/-0.205 χ²/NDF:1521.4/34
All: -56.892+/-0.143 χ²/NDF: 2887.4/67


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: 1.121+/-0.205 χ²/NDF:300.0/16
Right Out: 1.914+/-0.390 χ²/NDF: 54.5/17
Left In: 1.434+/-0.203 χ²/NDF:240.2/16
Left: 1.279+/-0.144 χ²/NDF: 541.4/33
Right: 1.443+/-0.270 χ²/NDF: 166.5/33
In: 1.338+/-0.179 χ²/NDF:350.5/32
Out: 1.293+/-0.181 χ²/NDF:357.7/34
All: 1.316+/-0.127 χ²/NDF: 708.2/67



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -1.243+/-0.009 χ^2/NDF:35852.5/16

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -1.188+/-0.009 χ^2/NDF:27060.0/16

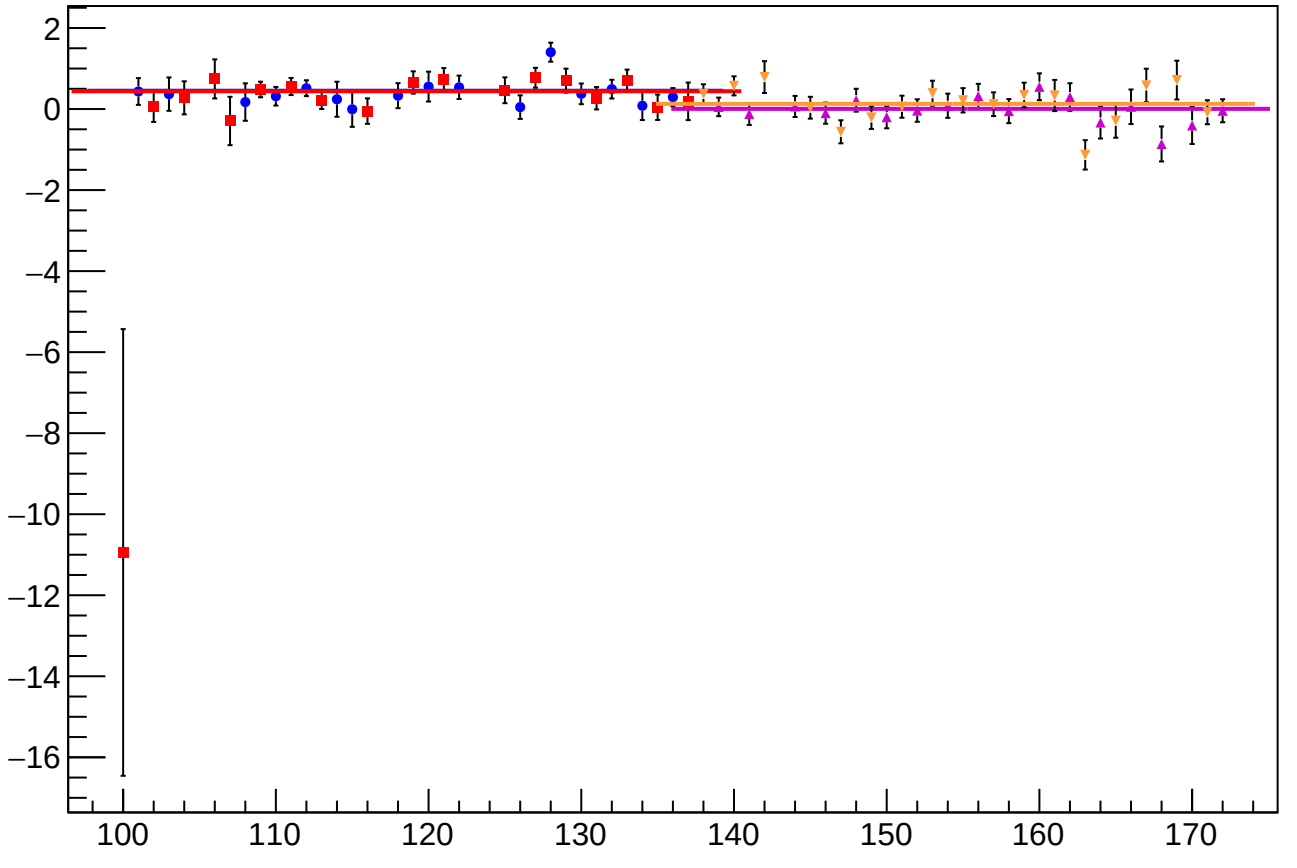
Left: -1.215+/-0.006 χ^2/NDF: 62931.0/33

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -0.957+/-0.008 χ^2/NDF:36185.7/32

Out: -1.226+/-0.009 χ^2/NDF:82225.1/34

All: -1.087+/-0.006 χ^2/NDF: 118923.4/67



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.128+/-0.075 χ^2/NDF:32.7/16

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: 0.005+/-0.073 χ^2/NDF:11.8/16

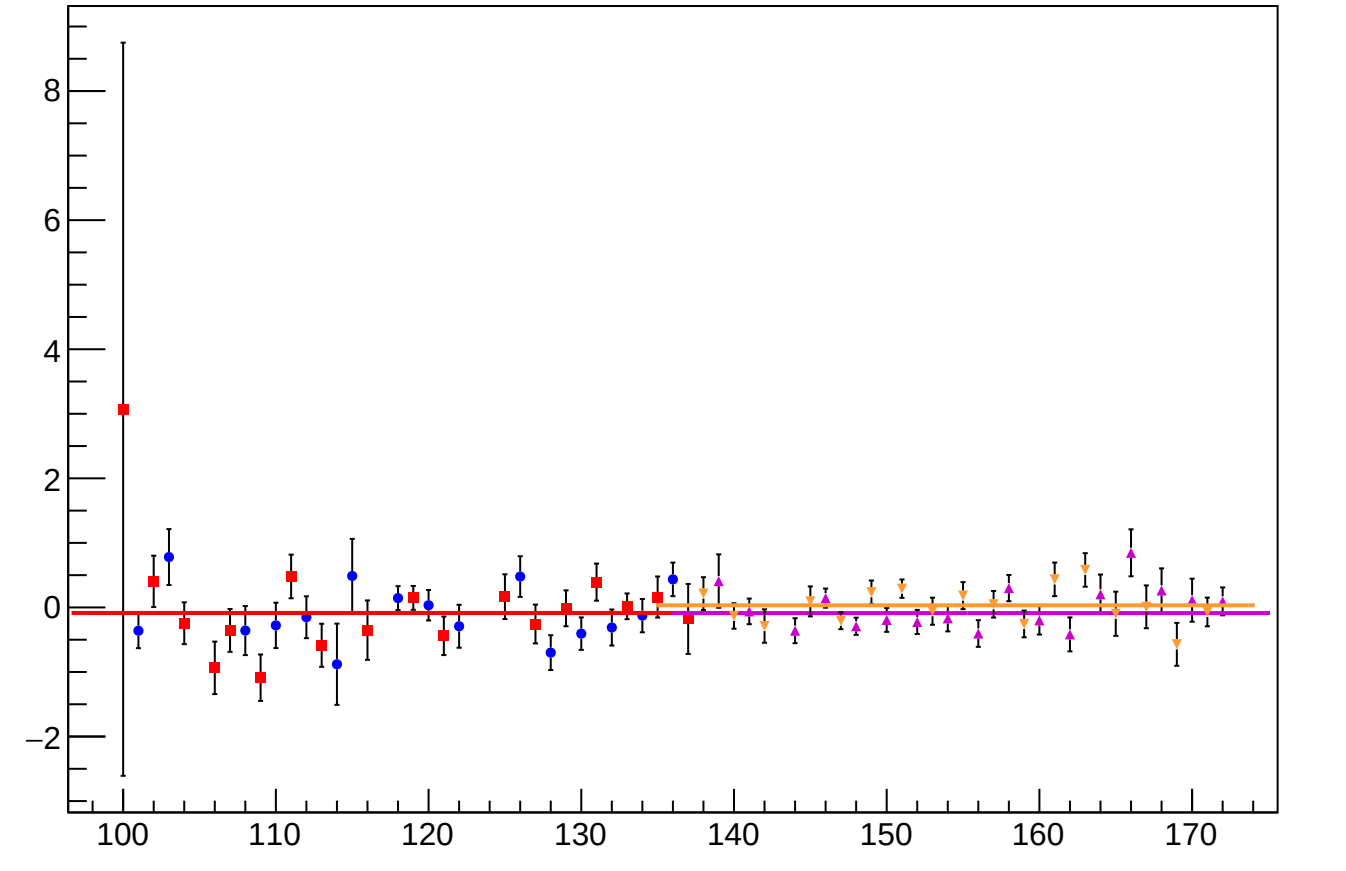
Left: 0.065+/-0.052 χ^2/NDF: 46.0/33

Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.235+/-0.051 χ^2/NDF:53.7/32

Out: 0.295+/-0.051 χ^2/NDF:60.6/34

All: 0.265+/-0.036 χ^2/NDF: 115.0/67



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.033+/-0.051 χ^2/NDF:23.8/16

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: -0.027+/-0.036 χ^2/NDF: 53.3/33

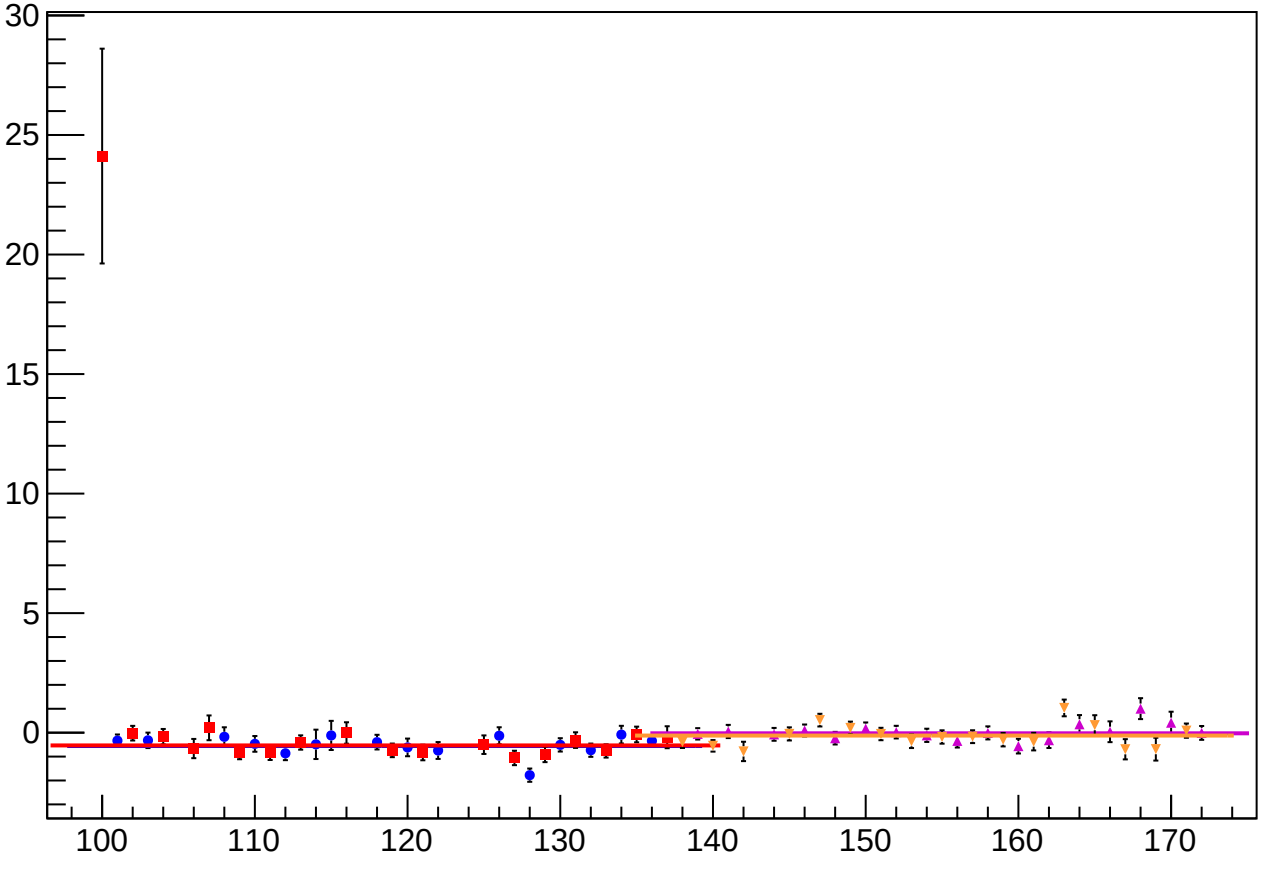
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.087+/-0.042 χ^2/NDF:52.0/32

Out: -0.005+/-0.042 χ^2/NDF:53.5/34

All: -0.046+/-0.030 χ^2/NDF: 107.4/67

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.558+/-0.080 χ^2/NDF: 28.3/15

Left Out: -0.121+/-0.073 χ^2/NDF:31.8/16

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: -0.027+/-0.071 χ^2/NDF:14.2/16

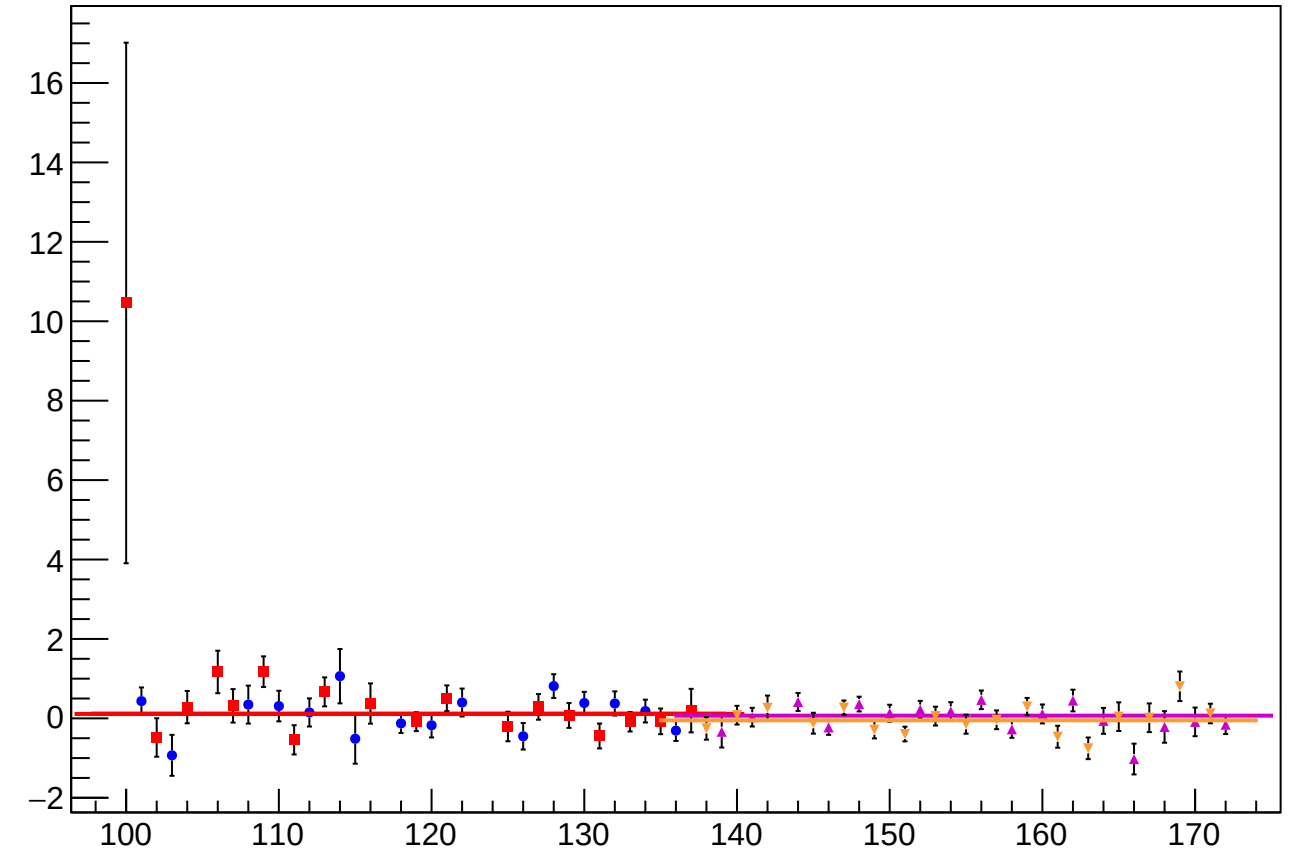
Left: -0.073+/-0.051 χ^2/NDF: 46.9/33

Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.263+/-0.053 χ^2/NDF:67.3/32

Out: -0.306+/-0.054 χ^2/NDF:95.5/34

All: -0.284+/-0.038 χ^2/NDF: 163.1/67



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.049+/-0.060 χ^2/NDF:27.5/16

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.068+/-0.060 χ^2/NDF:26.3/16

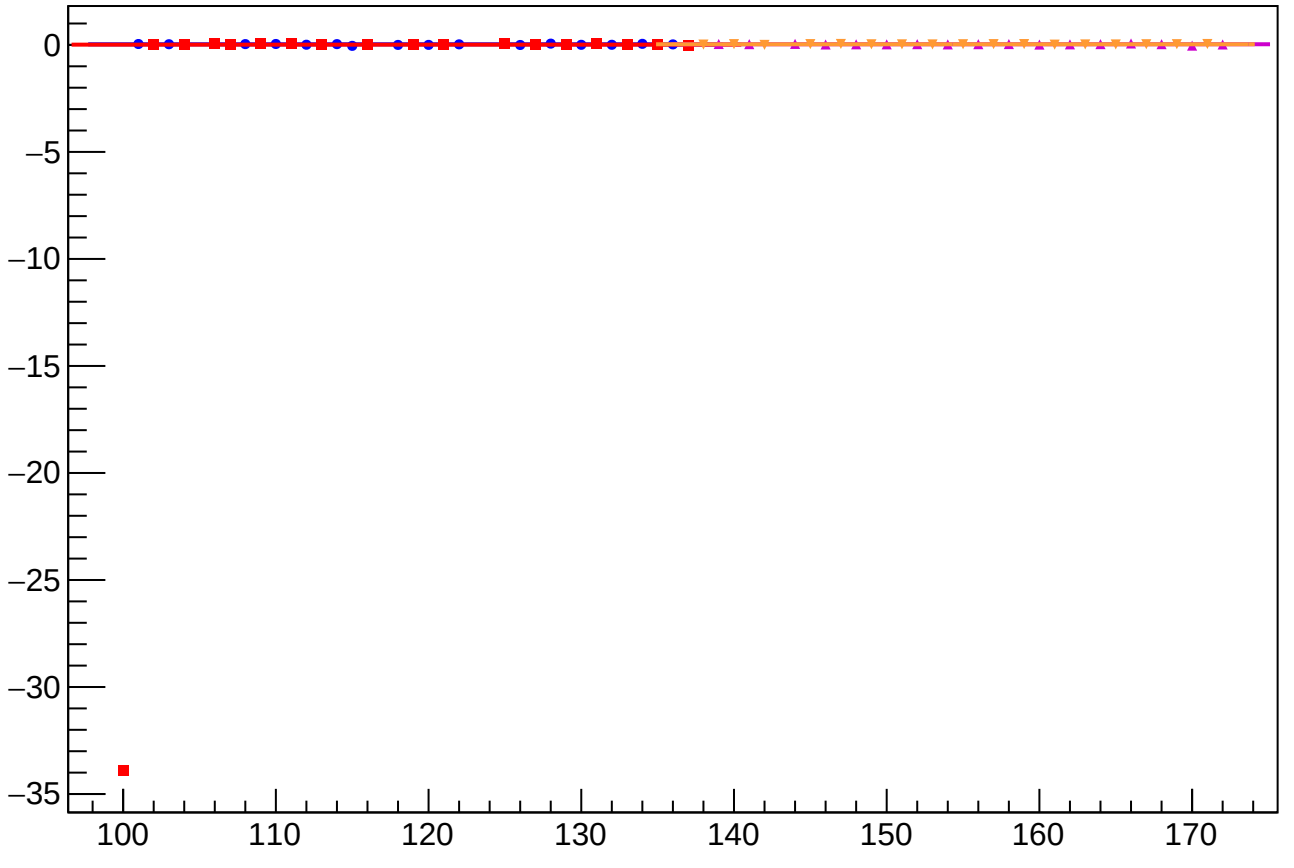
Left: 0.010+/-0.042 χ^2/NDF: 55.8/33

Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.085+/-0.049 χ^2/NDF:50.2/32

Out: 0.005+/-0.049 χ^2/NDF:58.9/34

All: 0.045+/-0.035 χ^2/NDF: 110.4/67



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.029+/-0.003 χ^2/NDF:13.4/16

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.030+/-0.003 χ^2/NDF:30.7/16

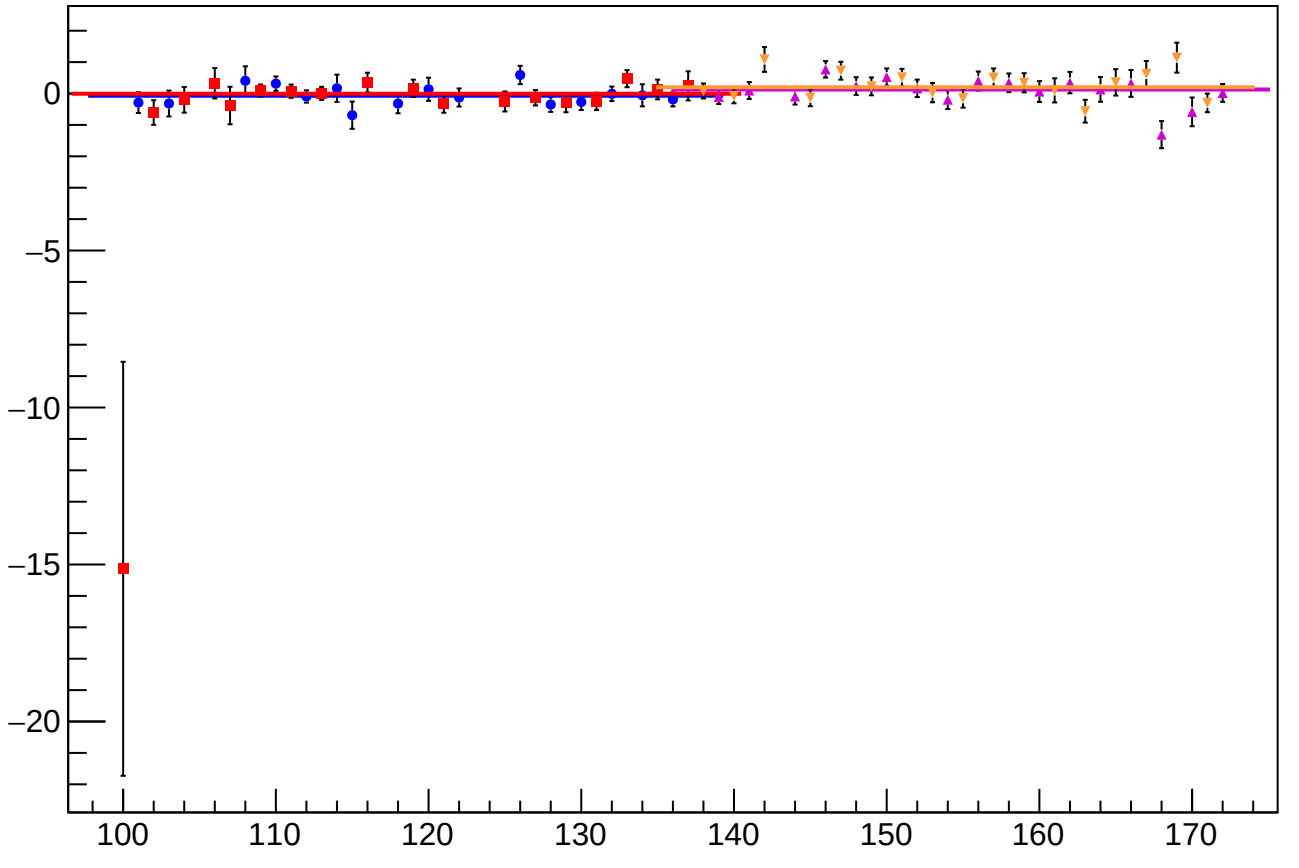
Left: 0.030+/-0.002 χ^2/NDF: 44.2/33

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:22285.1/34

All: 0.027+/-0.002 χ^2/NDF: 22332.6/67



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.199+/-0.075 χ^2/NDF:28.4/16

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.128+/-0.073 χ^2/NDF:26.8/16

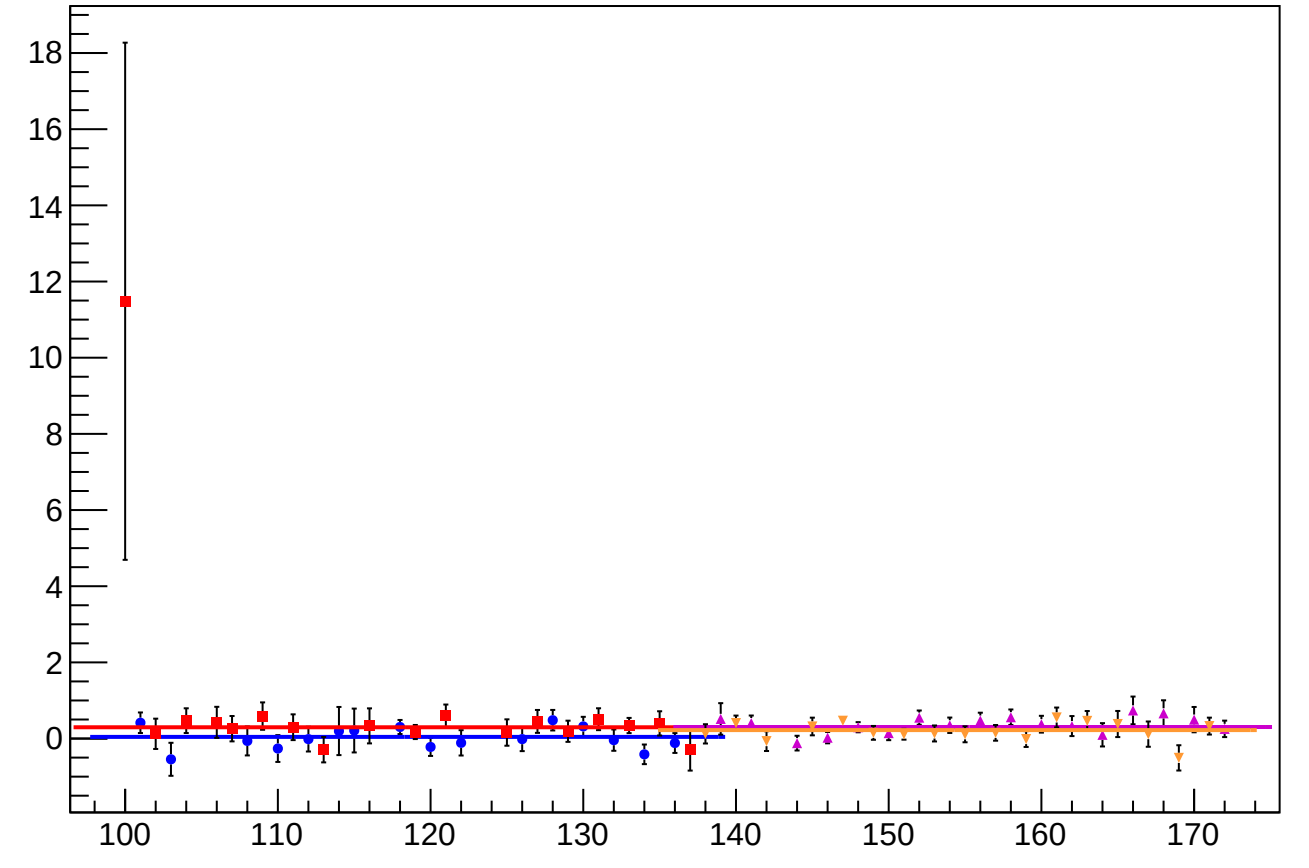
Left: 0.163+/-0.052 χ^2/NDF: 55.6/33

Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.026+/-0.051 χ^2/NDF:46.0/32

Out: 0.089+/-0.051 χ^2/NDF:50.6/34

All: 0.058+/-0.036 χ^2/NDF: 97.4/67



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.222+/-0.051 χ^2/NDF:16.4/16

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.303+/-0.051 χ^2/NDF:17.2/16

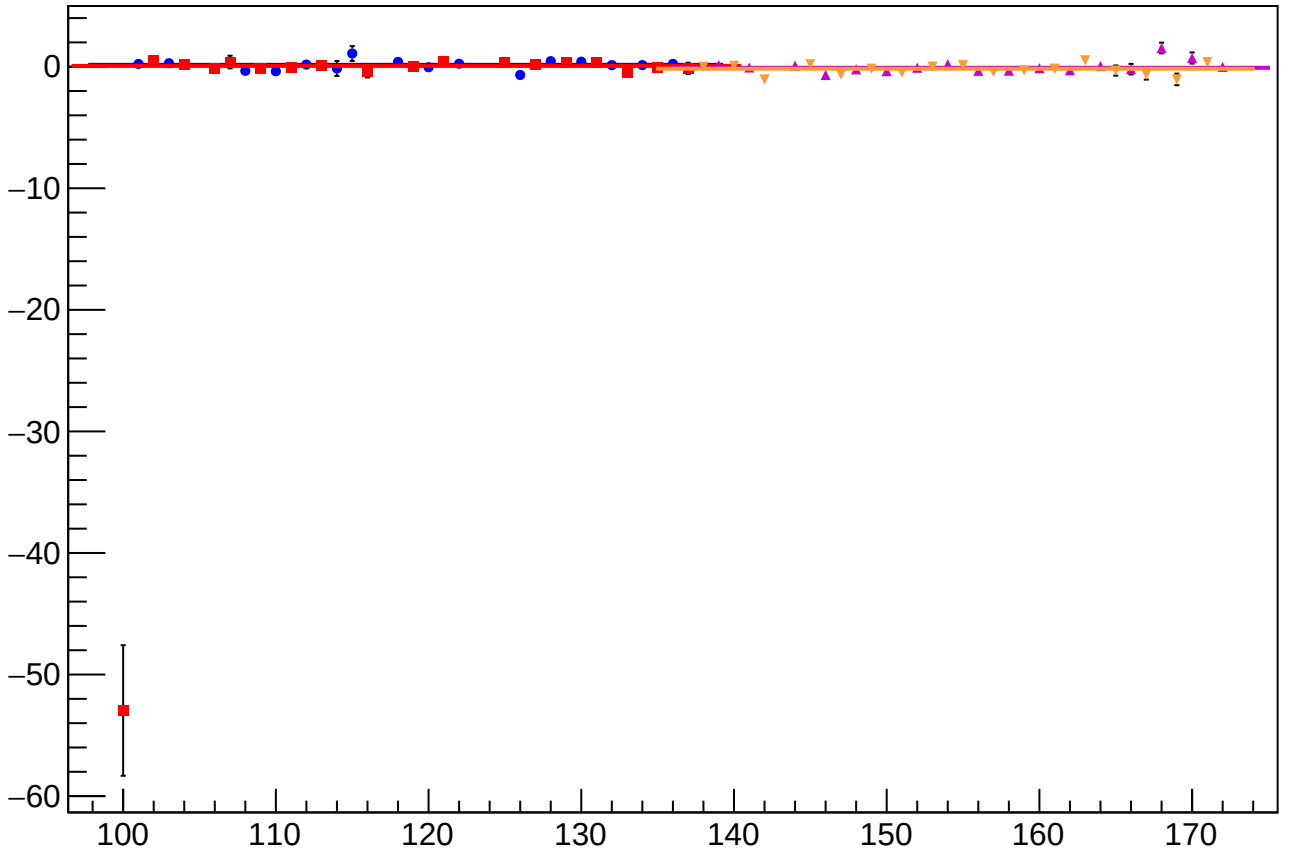
Left: 0.263+/-0.036 χ^2/NDF: 34.8/33

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.218+/-0.042 χ^2/NDF:41.4/32

Out: 0.246+/-0.042 χ^2/NDF:28.1/34

All: 0.232+/-0.030 χ^2/NDF: 69.7/67



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.167+/-0.073 χ^2/NDF:27.4/16

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.088+/-0.071 χ^2/NDF:28.7/16

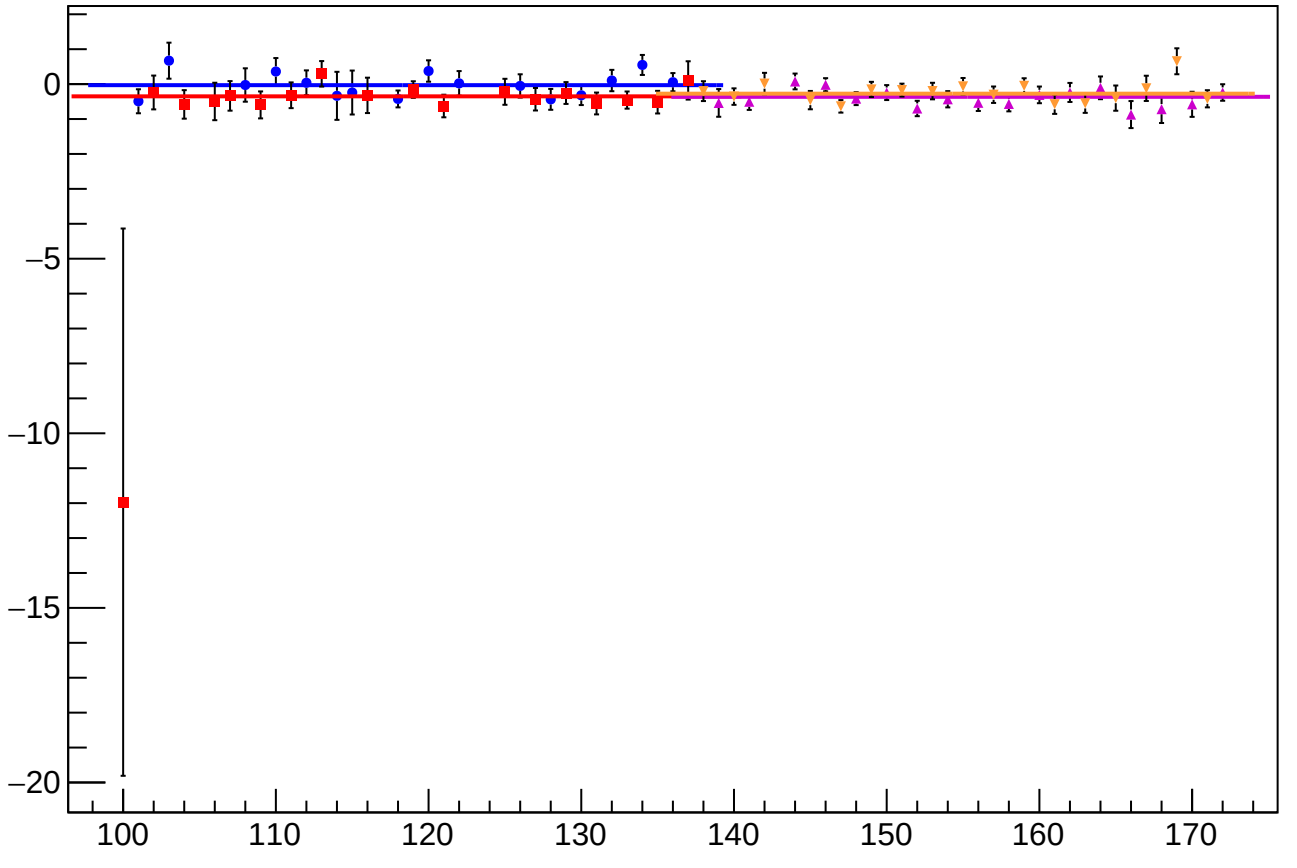
Left: -0.126+/-0.051 χ^2/NDF: 56.8/33

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.019+/-0.053 χ^2/NDF:49.4/32

Out: -0.063+/-0.054 χ^2/NDF:141.3/34

All: -0.021+/-0.038 χ^2/NDF: 191.9/67



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.274+/-0.060 χ^2/NDF:17.3/16

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.364+/-0.060 χ^2/NDF:15.9/16

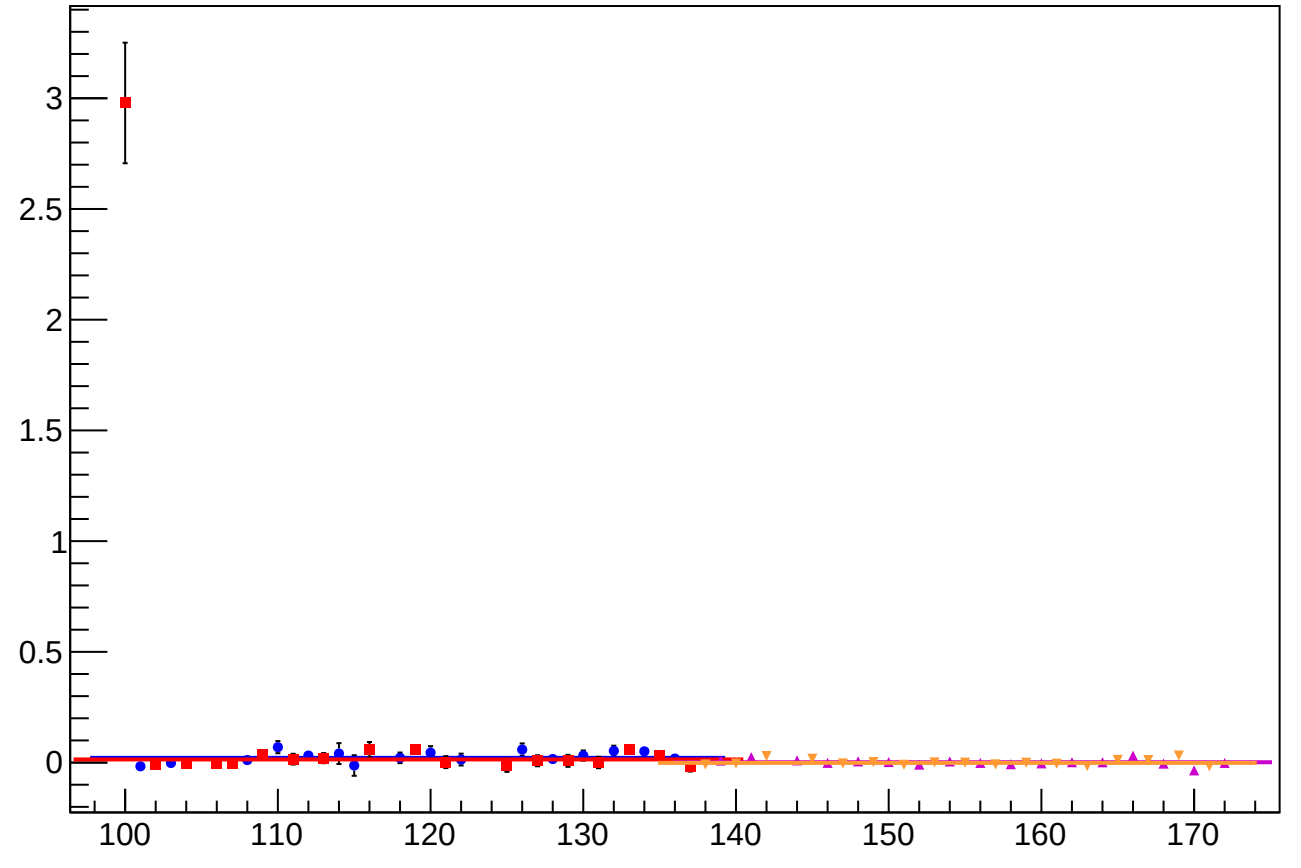
Left: -0.319+/-0.042 χ^2/NDF: 34.4/33

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.252+/-0.049 χ^2/NDF:43.2/32

Out: -0.300+/-0.049 χ^2/NDF:27.3/34

All: -0.275+/-0.035 χ^2/NDF: 71.0/67



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.001+/-0.003 χ^2/NDF:17.6/16

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.002+/-0.003 χ^2/NDF:16.9/16

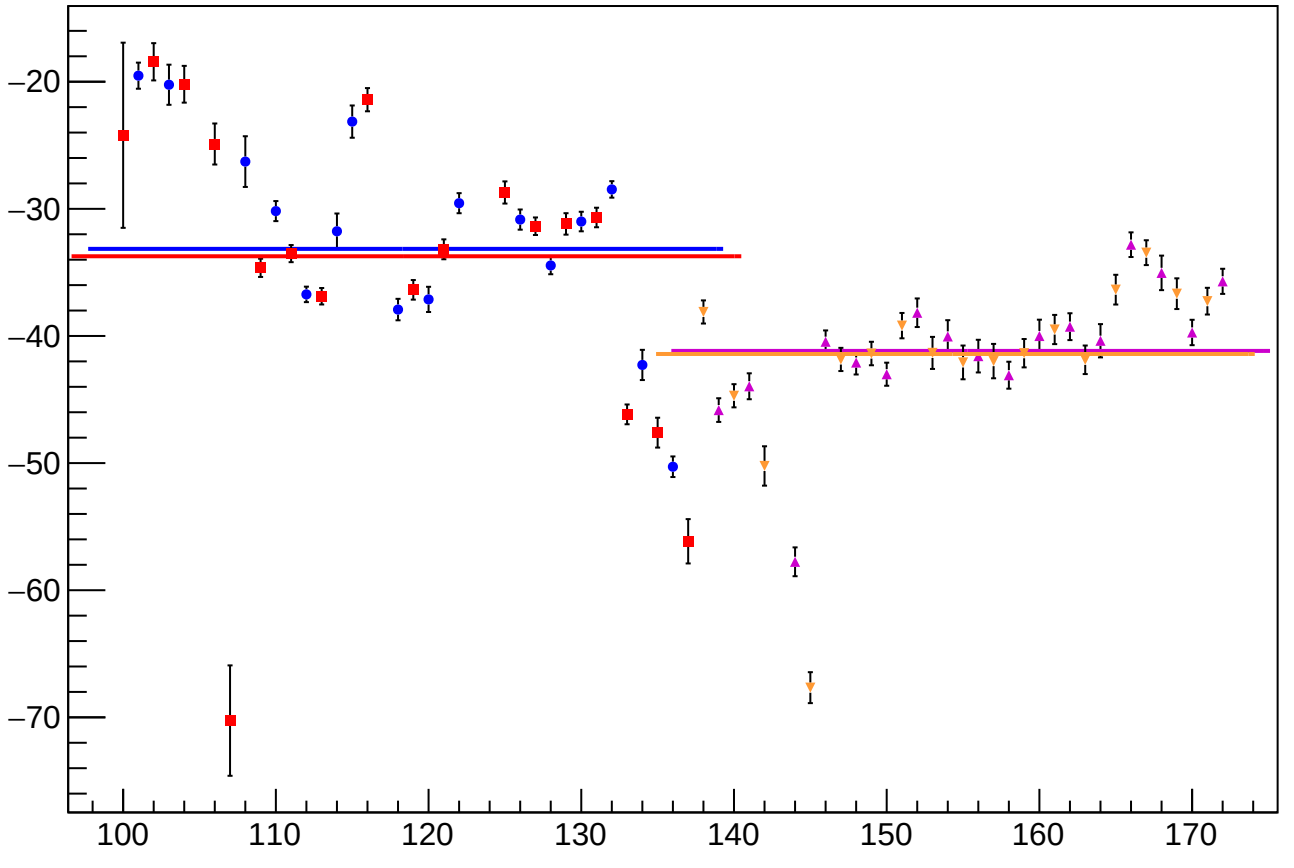
Left: 0.000+/-0.002 χ^2/NDF: 35.0/33

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:166.1/34

All: 0.004+/-0.002 χ^2/NDF: 219.7/67



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -41.417+/-0.264 χ^2/NDF:648.3/16

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -41.175+/-0.257 χ^2/NDF:395.4/16

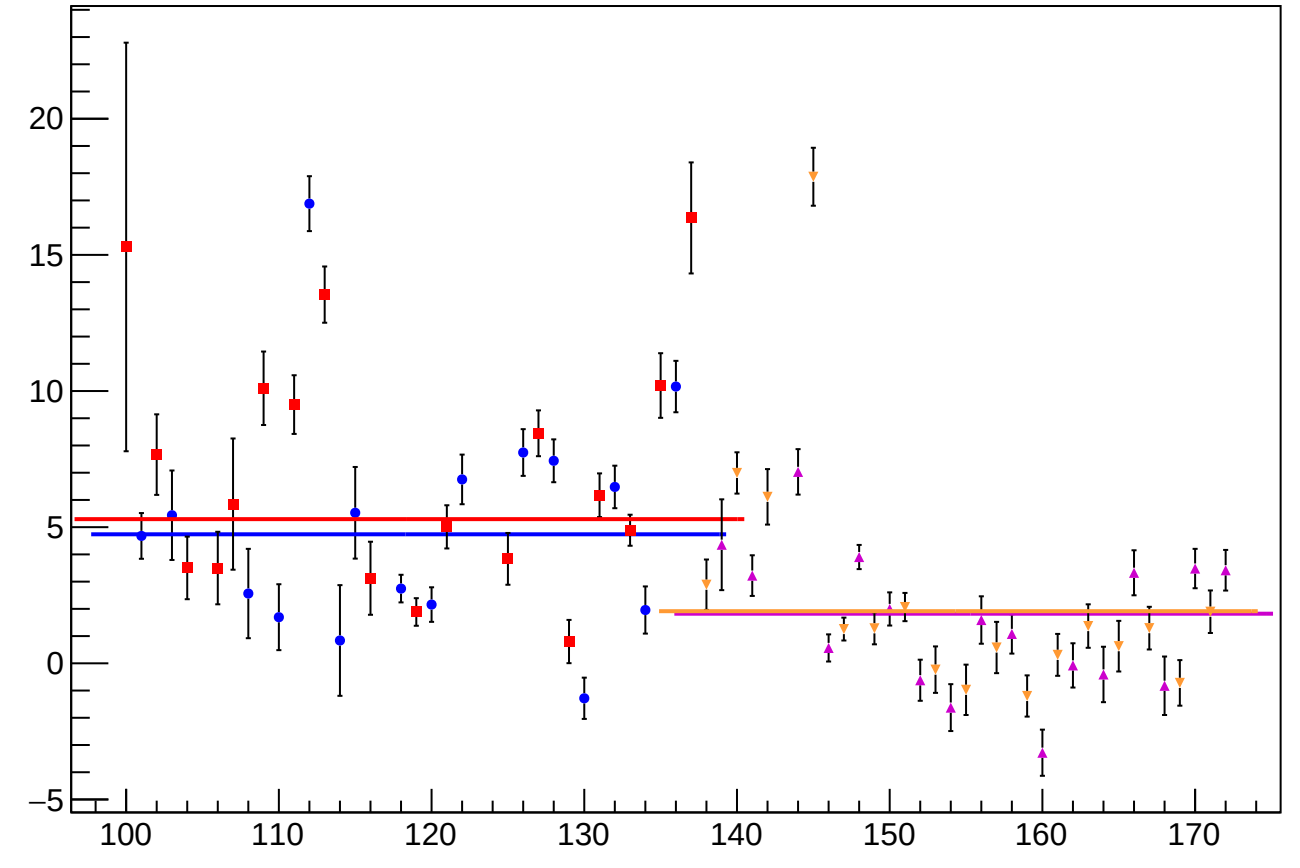
Left: -41.293+/-0.184 χ^2/NDF: 1044.1/33

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.504+/-0.166 χ^2/NDF:1976.3/32

Out: -36.793+/-0.167 χ^2/NDF:2306.7/34

All: -36.648+/-0.118 χ^2/NDF: 4284.6/67



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 1.914+/-0.178 χ^2/NDF:343.7/16

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 1.822+/-0.178 χ^2/NDF:166.6/16

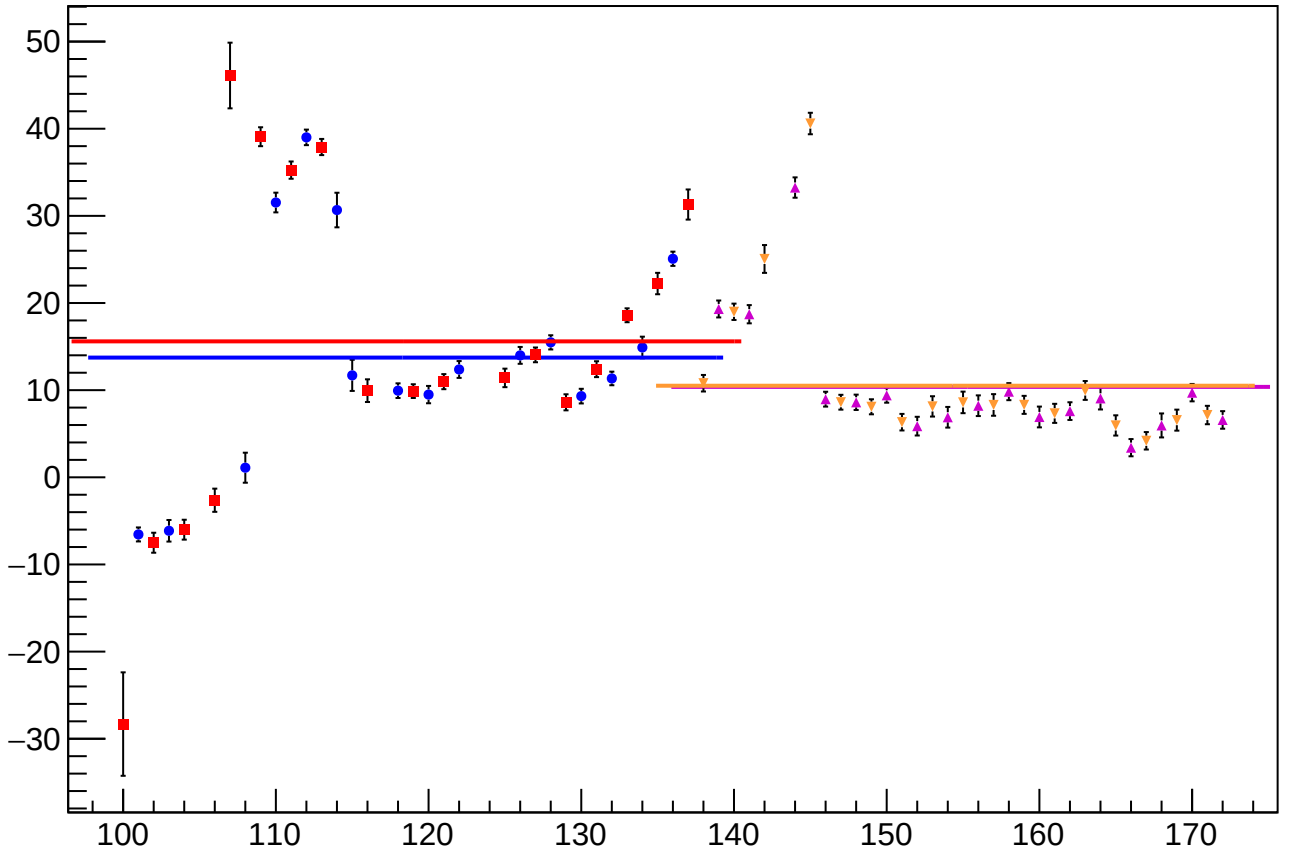
Left: 1.868+/-0.126 χ^2/NDF: 510.4/33

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 2.980+/-0.138 χ^2/NDF:602.9/32

Out: 3.228+/-0.139 χ^2/NDF:728.8/34

All: 3.103+/-0.098 χ^2/NDF: 1333.3/67



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 10.509+/-0.257 χ^2/NDF:892.2/16

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: 10.440+/-0.179 χ^2/NDF: 1554.3/33

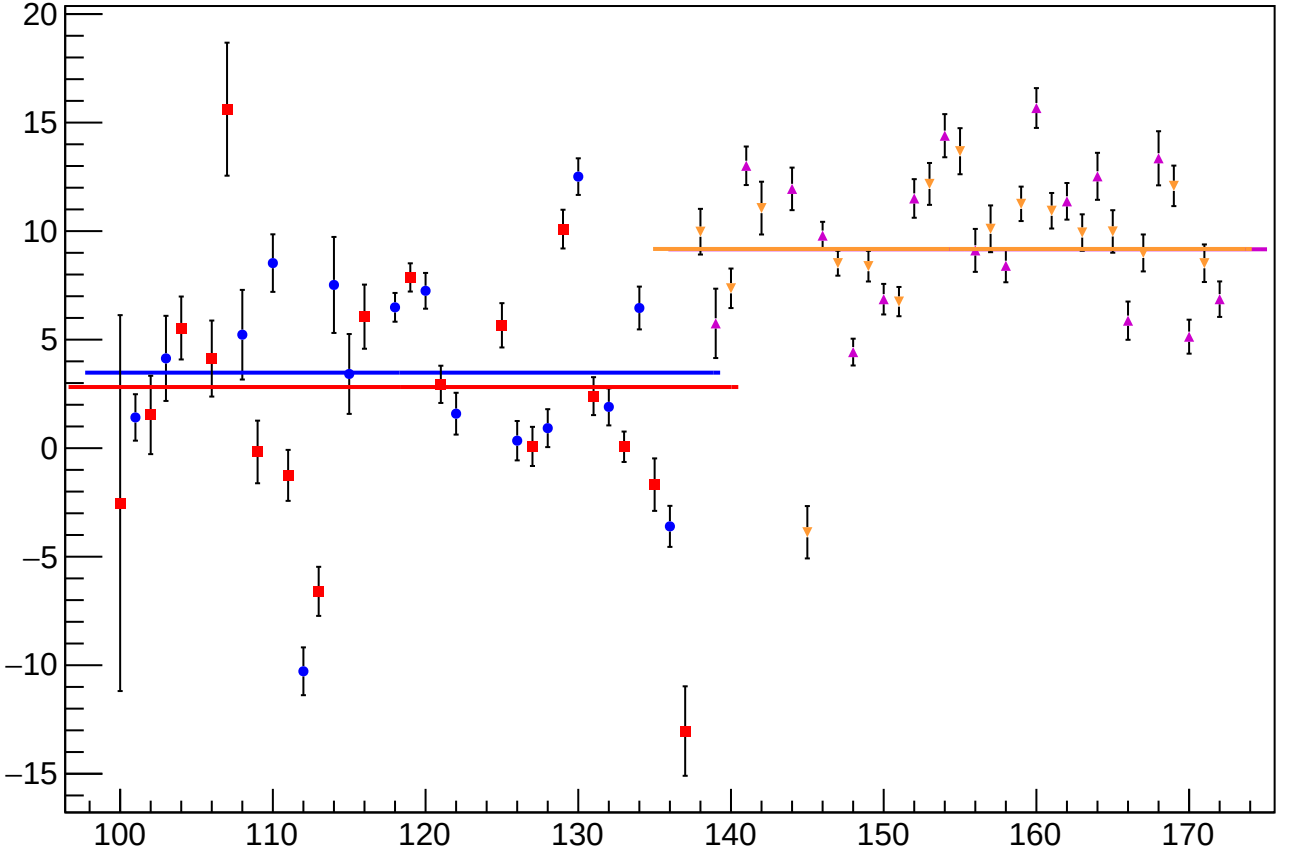
Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 12.083+/-0.176 χ^2/NDF:3103.3/32

Out: 13.125+/-0.179 χ^2/NDF:3919.9/34

All: 12.594+/-0.126 χ^2/NDF: 7040.4/67

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 9.178+/-0.209 χ^2/NDF:191.2/16

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 9.163+/-0.207 χ^2/NDF:264.0/16

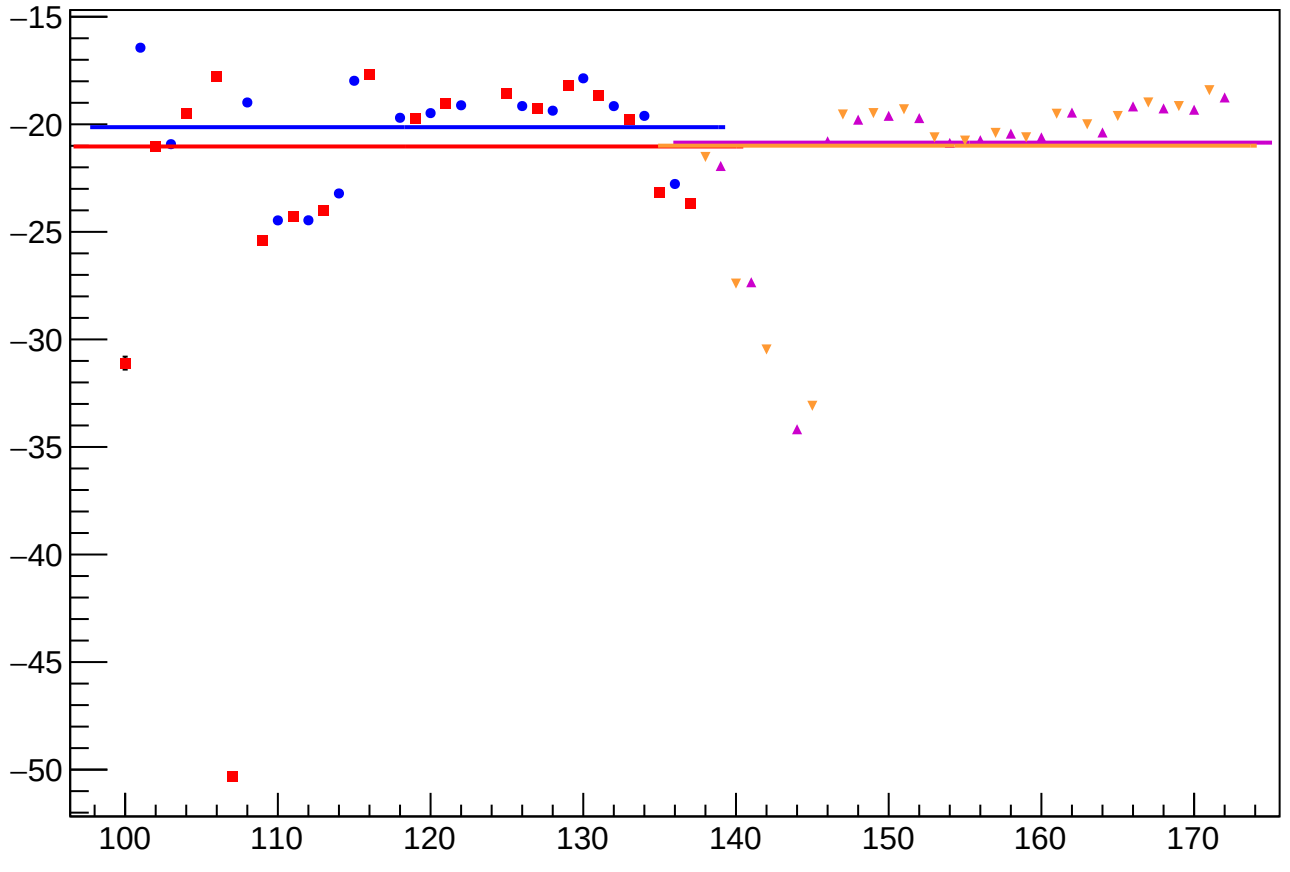
Left: 9.170+/-0.147 χ^2/NDF: 455.2/33

Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 6.892+/-0.160 χ^2/NDF:993.1/32

Out: 6.651+/-0.162 χ^2/NDF:905.0/34

All: 6.773+/-0.114 χ^2/NDF: 1899.2/67



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -20.993+/-0.010 χ^2/NDF:125578.8/16

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

Left In: -20.852+/-0.009 χ^2/NDF:101866.7/16

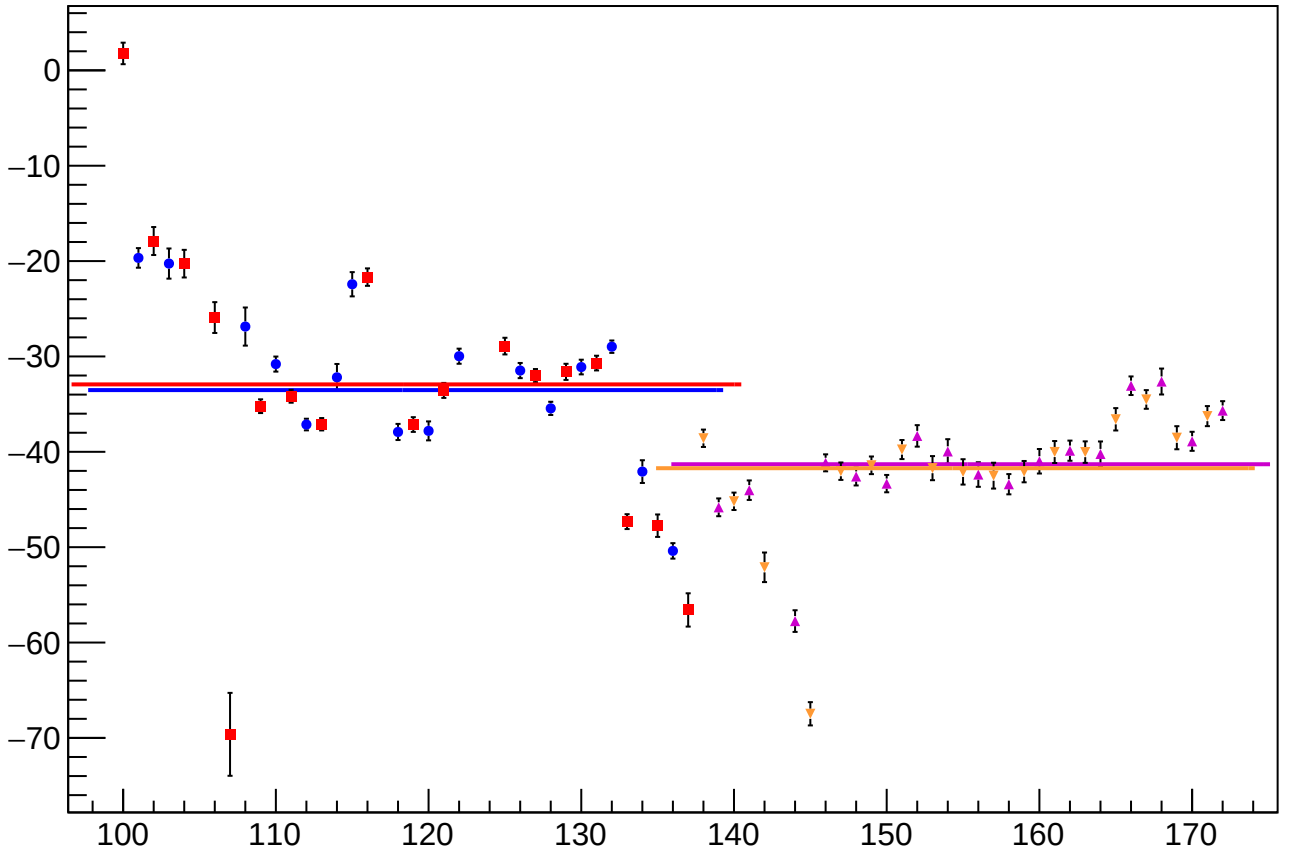
Left: -20.920+/-0.007 χ^2/NDF: 227555.1/33

Right: -20.570+/-0.011 χ^2/NDF: 78882.9/33

In: -20.669+/-0.008 χ^2/NDF:123200.4/32

Out: -21.003+/-0.008 χ^2/NDF:183106.3/34

All: -20.830+/-0.006 χ^2/NDF: 307131.3/67



Right In: -33.528+/-0.218 χ^2/NDF: 1008.7/15

Left Out: -41.719+/-0.264 χ^2/NDF:633.0/16

Right Out: -32.931+/-0.212 χ^2/NDF: 2170.0/17

Left In: -41.303+/-0.258 χ^2/NDF:412.5/16

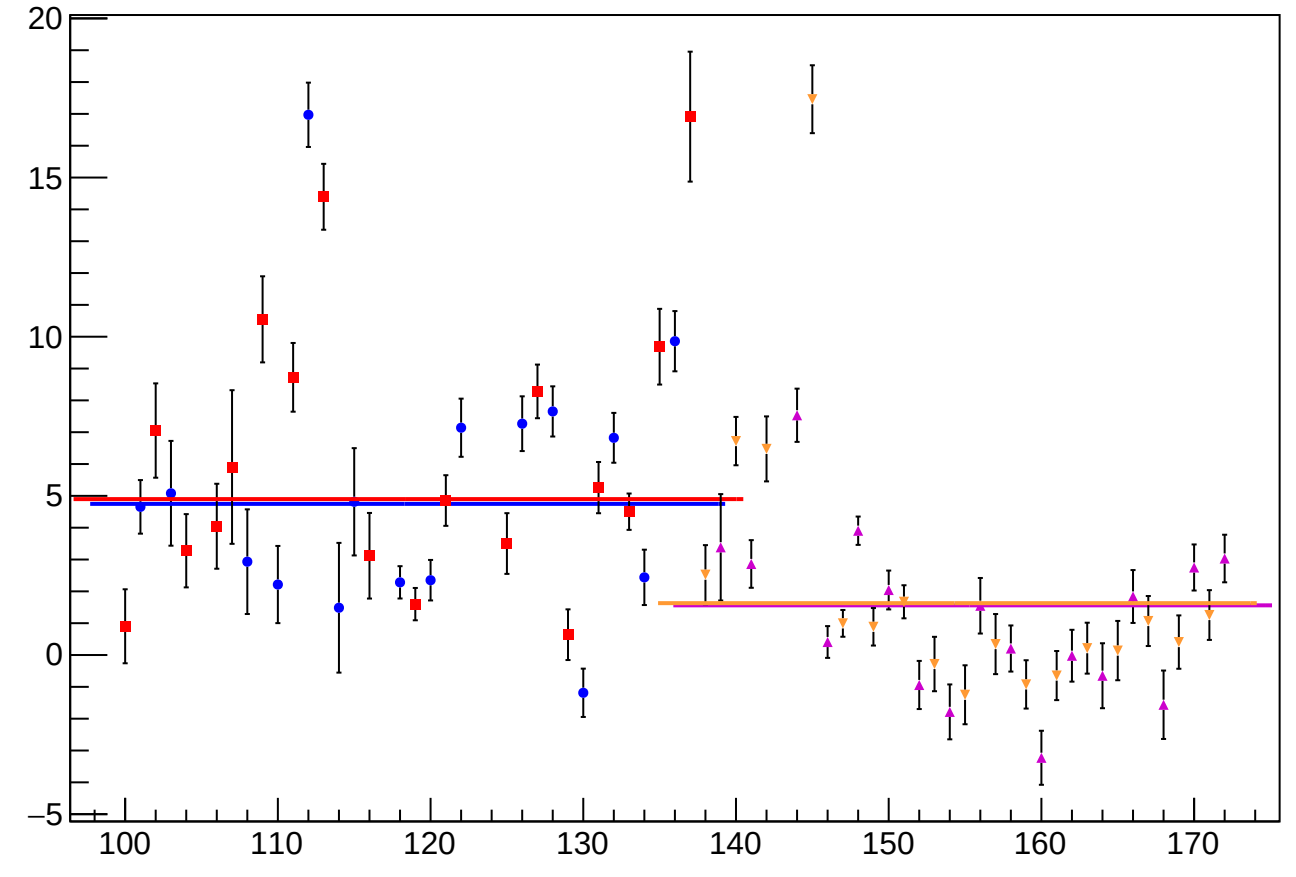
Left: -41.505+/-0.185 χ^2/NDF: 1046.8/33

Right: -33.220+/-0.152 χ^2/NDF: 3182.6/33

In: -36.779+/-0.167 χ^2/NDF:1950.8/32

Out: -36.361+/-0.165 χ^2/NDF:3476.3/34

All: -36.568+/-0.117 χ^2/NDF: 5430.3/67



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.629+/-0.178 χ^2/NDF:337.7/16

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: 1.595+/-0.126 χ^2/NDF: 511.6/33

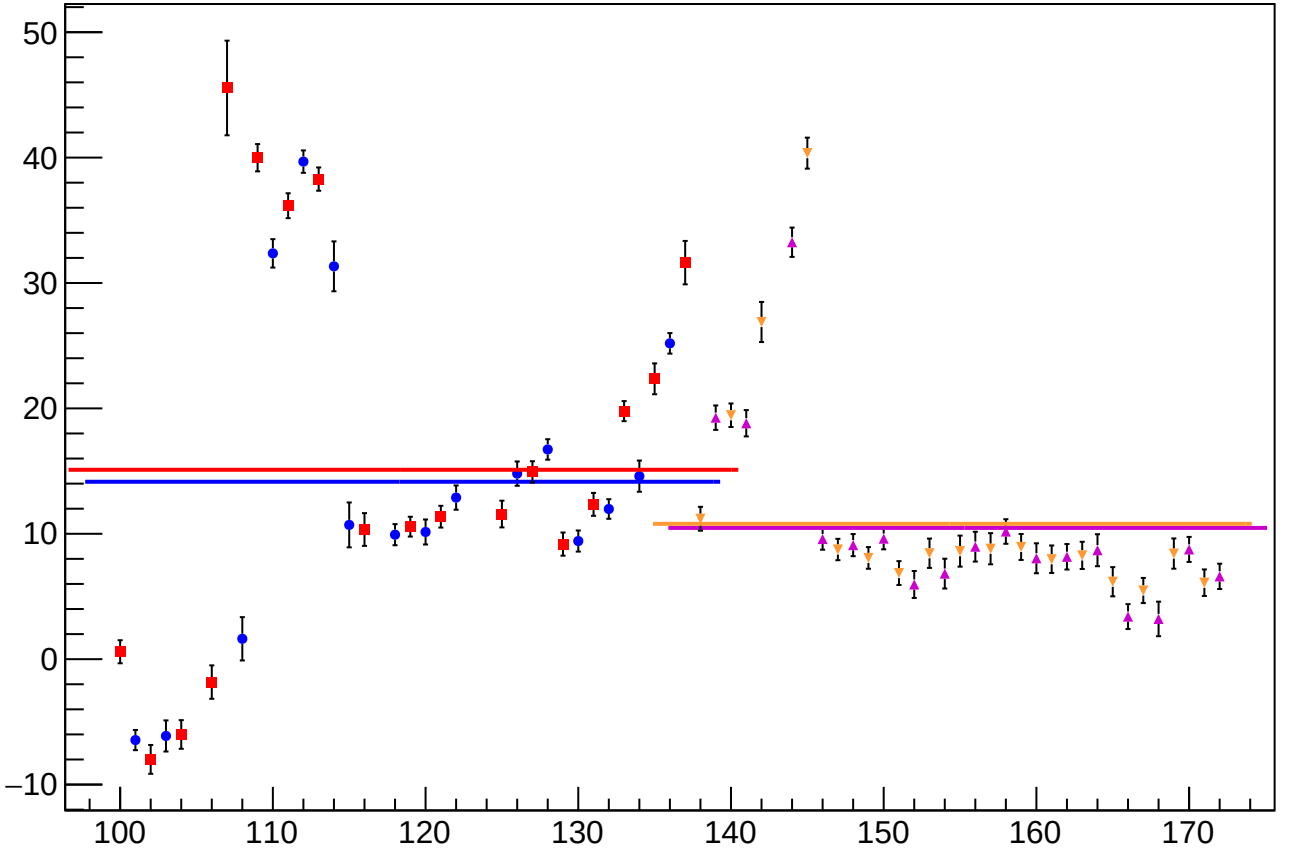
Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 2.825+/-0.138 χ^2/NDF:626.6/32

Out: 2.926+/-0.139 χ^2/NDF:744.0/34

All: 2.876+/-0.098 χ^2/NDF: 1370.9/67

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 10.795+/-0.258 χ^2/NDF:884.5/16

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 10.468+/-0.251 χ^2/NDF:665.2/16

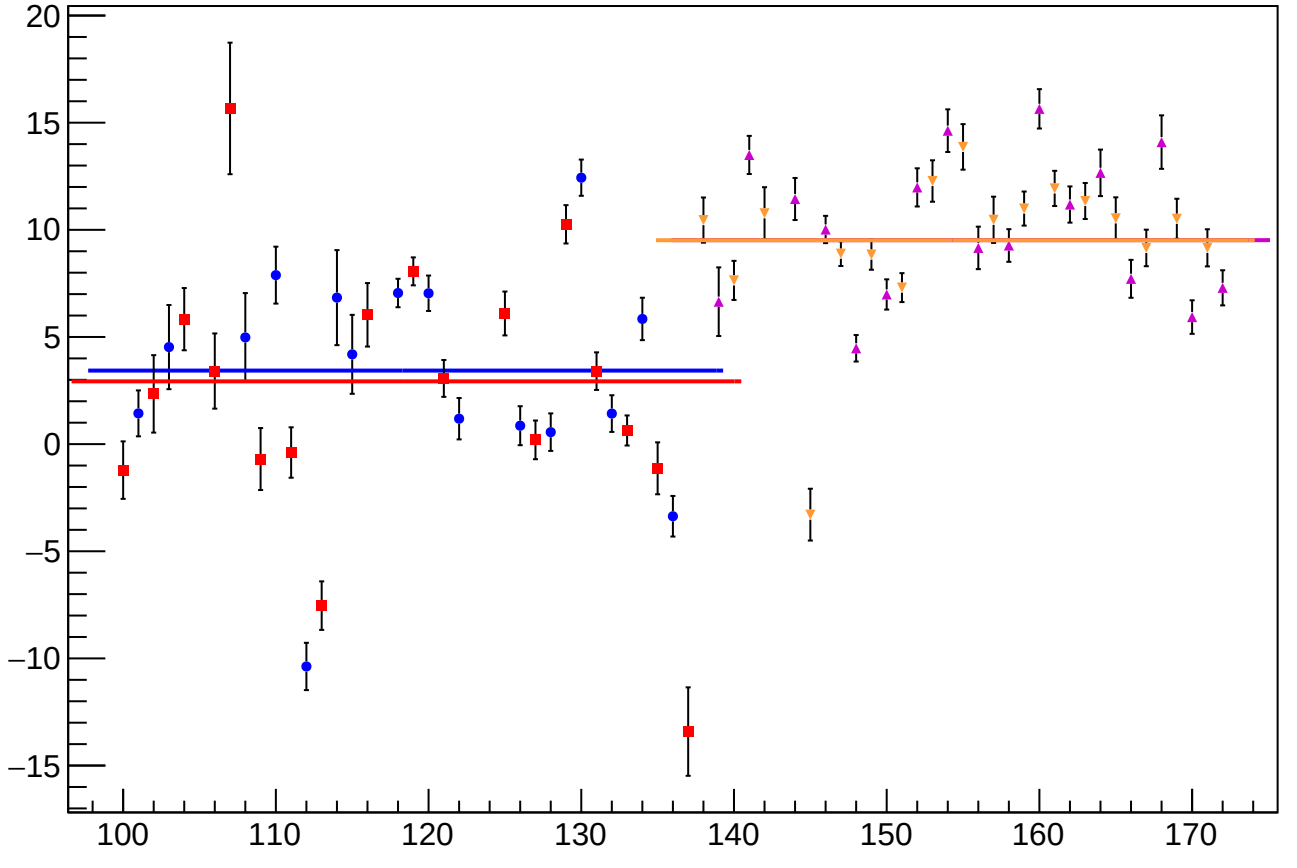
Left: 10.627+/-0.180 χ^2/NDF: 1550.5/33

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 12.336+/-0.176 χ^2/NDF:3176.7/32

Out: 13.084+/-0.176 χ^2/NDF:4135.4/34

All: 12.710+/-0.125 χ^2/NDF: 7321.0/67



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.514+/-0.209 χ^2/NDF:176.2/16

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.519+/-0.207 χ^2/NDF:244.1/16

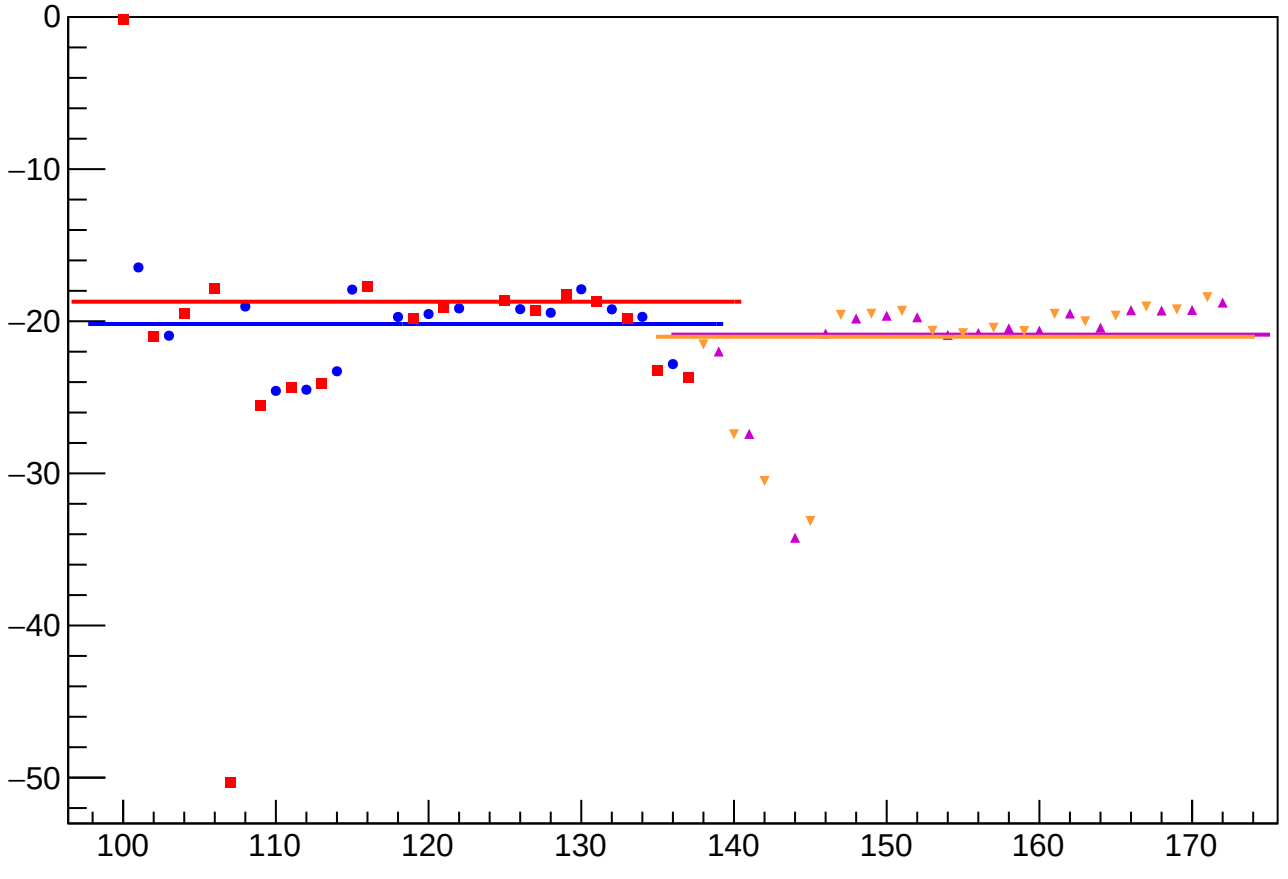
Left: 9.517+/-0.147 χ^2/NDF: 420.3/33

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 7.088+/-0.161 χ^2/NDF:1012.4/32

Out: 6.843+/-0.161 χ^2/NDF:945.7/34

All: 6.966+/-0.114 χ^2/NDF: 1959.3/67



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -21.019+/-0.010 χ^2/NDF:125285.8/16

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -20.881+/-0.009 χ^2/NDF:102160.1/16

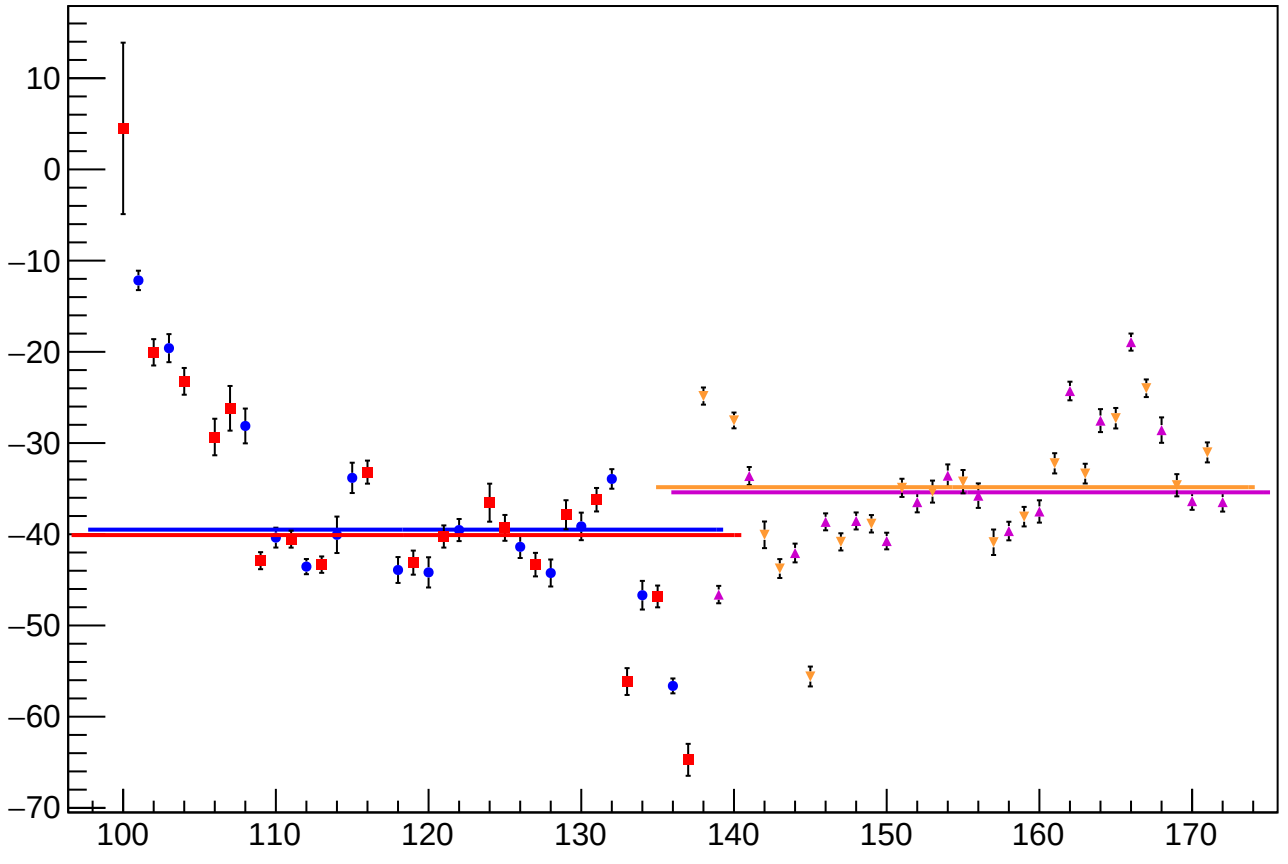
Left: -20.948+/-0.007 χ^2/NDF: 227551.8/33

Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -20.703+/-0.008 χ^2/NDF:123436.2/32

Out: -20.374+/-0.008 χ^2/NDF:375750.3/34

All: -20.541+/-0.006 χ^2/NDF: 499994.1/67



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -34.837+/-0.253 χ^2/NDF:911.9/17

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -35.402+/-0.254 χ^2/NDF:756.5/16

Left: -35.118+/-0.179 χ^2/NDF: 1670.8/34

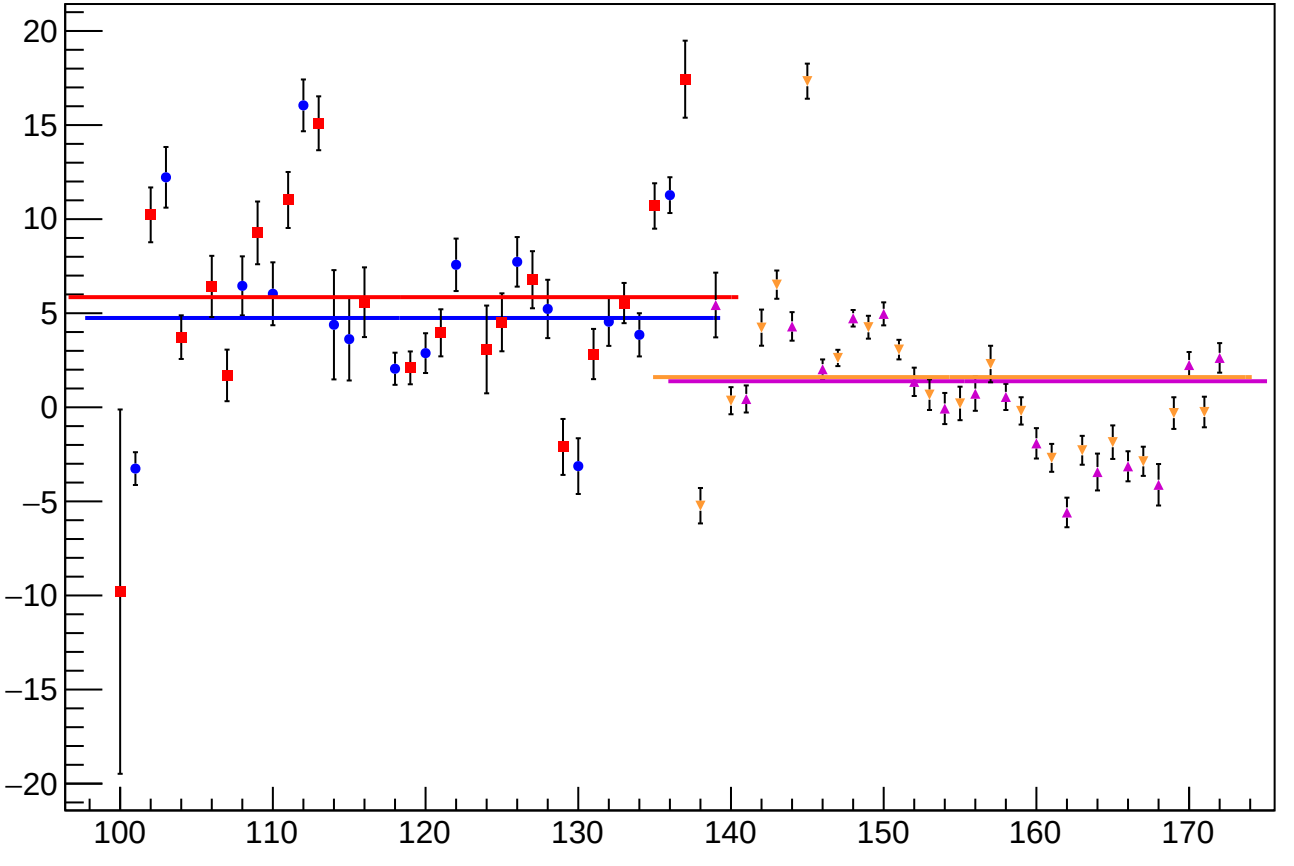
Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -37.042+/-0.197 χ^2/NDF:2277.4/32

Out: -36.957+/-0.195 χ^2/NDF:1921.3/36

All: -36.999+/-0.139 χ^2/NDF: 4198.8/69

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 1.605+/-0.172 χ^2/NDF:551.2/17

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 1.385+/-0.176 χ^2/NDF:301.4/16

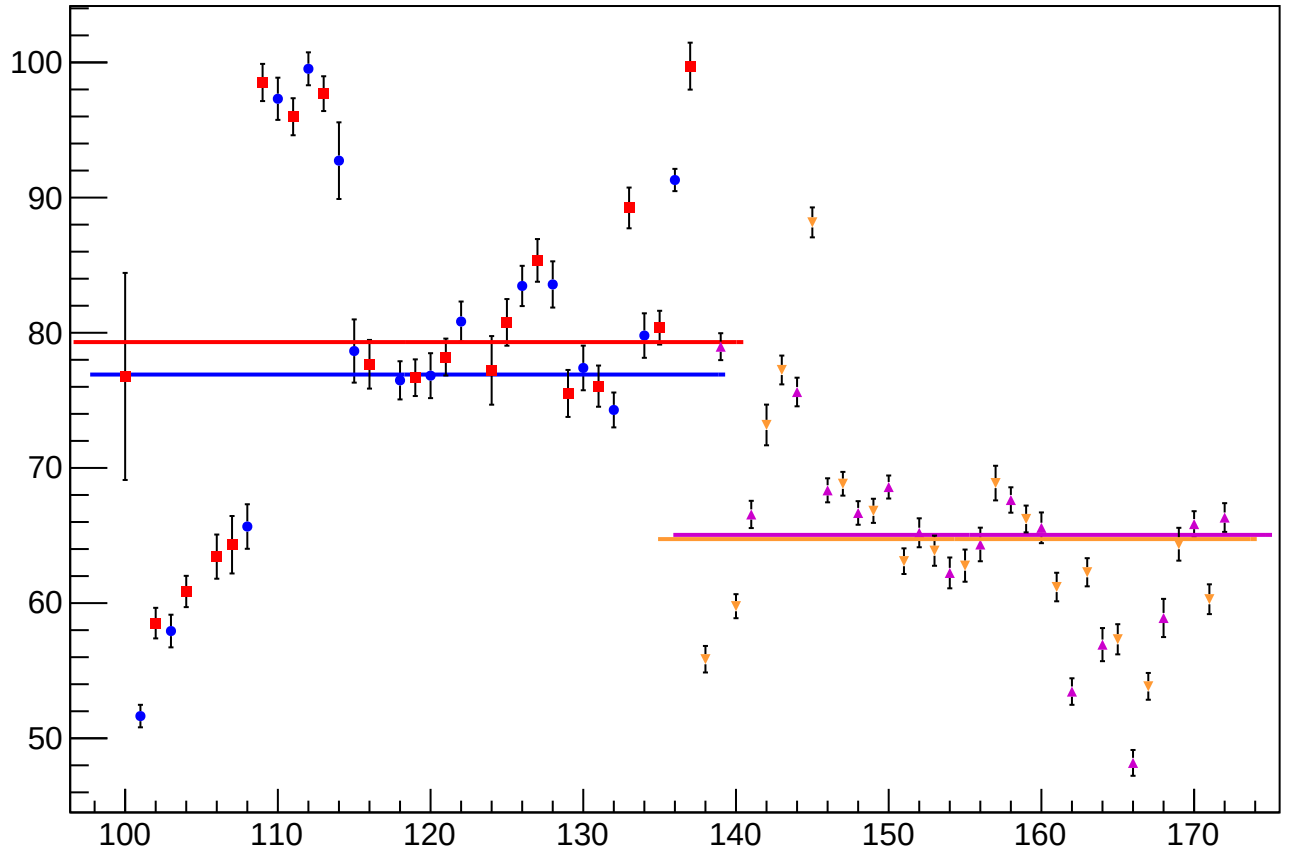
Left: 1.498+/-0.123 χ^2/NDF: 853.5/34

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 2.180+/-0.154 χ^2/NDF:661.7/32

Out: 2.538+/-0.152 χ^2/NDF:873.2/36

All: 2.361+/-0.108 χ^2/NDF: 1537.6/69



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 64.736+/-0.247 χ^2/NDF:974.0/17

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 65.047+/-0.248 χ^2/NDF:862.5/16

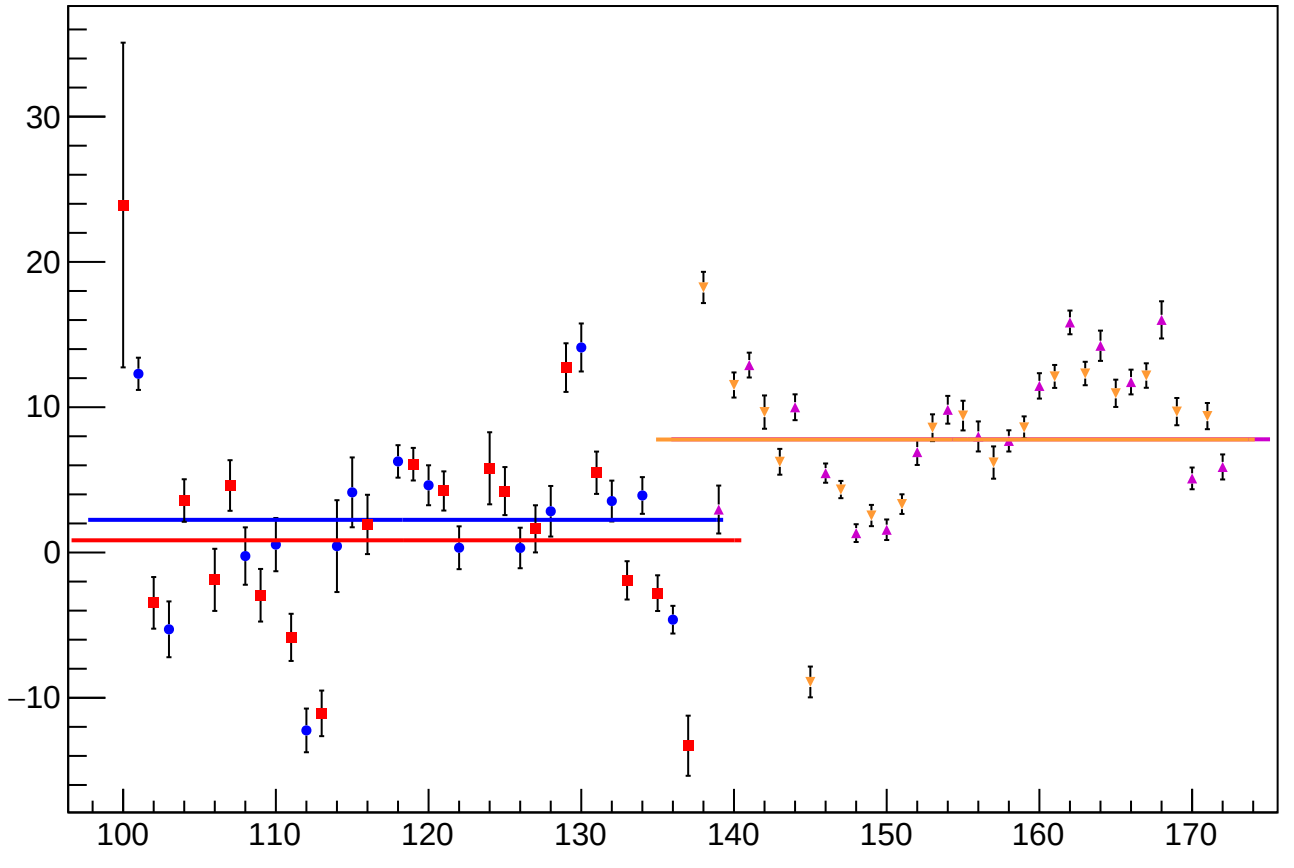
Left: 64.891+/-0.175 χ^2/NDF: 1837.2/34

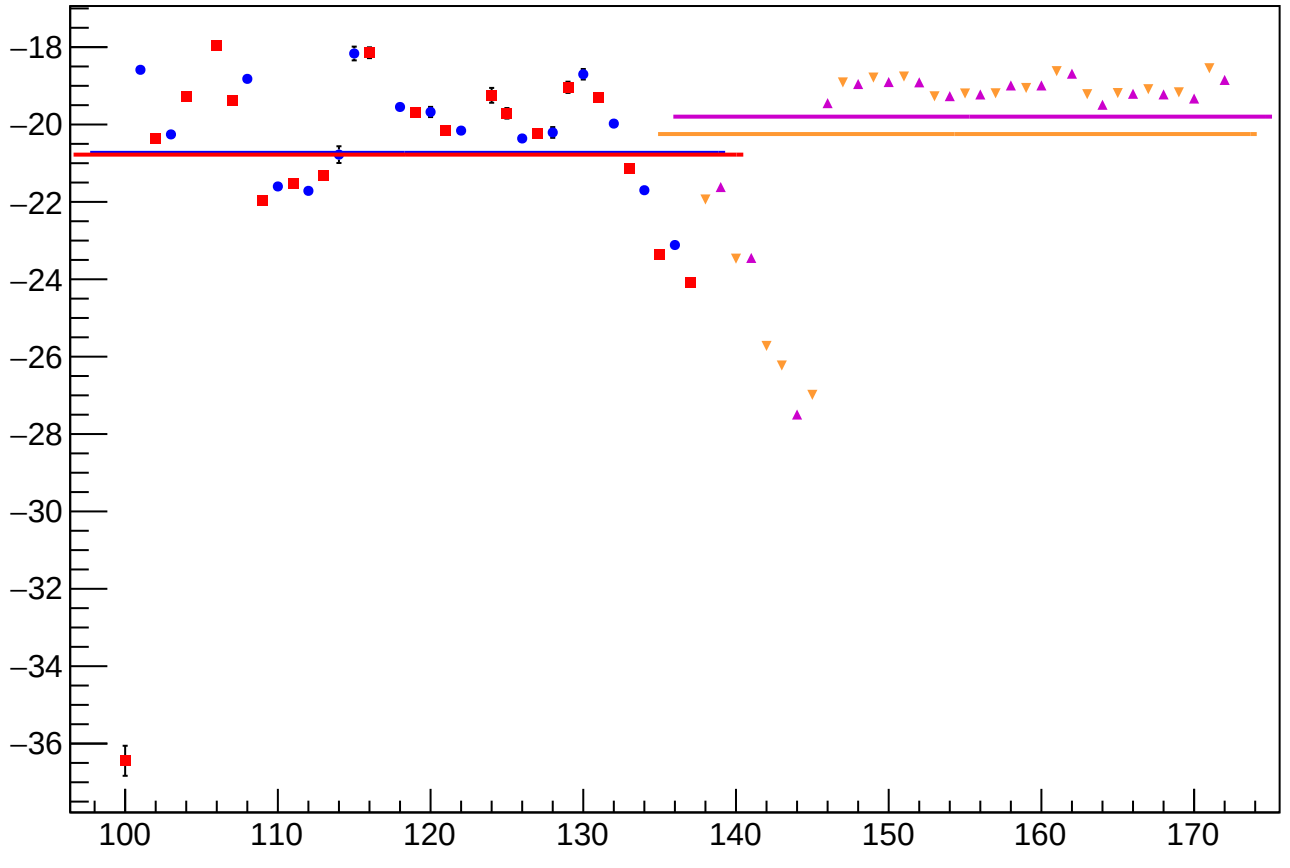
Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 69.207+/-0.199 χ^2/NDF:3783.6/32

Out: 69.623+/-0.201 χ^2/NDF:3637.2/36

All: 69.413+/-0.142 χ^2/NDF: 7423.0/69


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
100
110
120
130
140
150
160
170
Right In: 2.248+/-0.363 χ²/NDF: 319.6/15
Left Out: 7.777+/-0.201 χ²/NDF:610.2/17
Right Out: 0.840+/-0.372 χ²/NDF: 256.2/18
Left In: 7.792+/-0.204 χ²/NDF:490.7/16
Left: 7.784+/-0.143 χ²/NDF: 1101.0/34
Right: 1.561+/-0.260 χ²/NDF: 583.2/34
In: 6.459+/-0.178 χ²/NDF:987.4/32
Out: 6.210+/-0.177 χ²/NDF:1135.5/36
All: 6.334+/-0.125 χ²/NDF: 2123.9/69



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -20.246+/-0.009 χ^2/NDF:72726.8/17

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -19.797+/-0.009 χ^2/NDF:42303.2/16

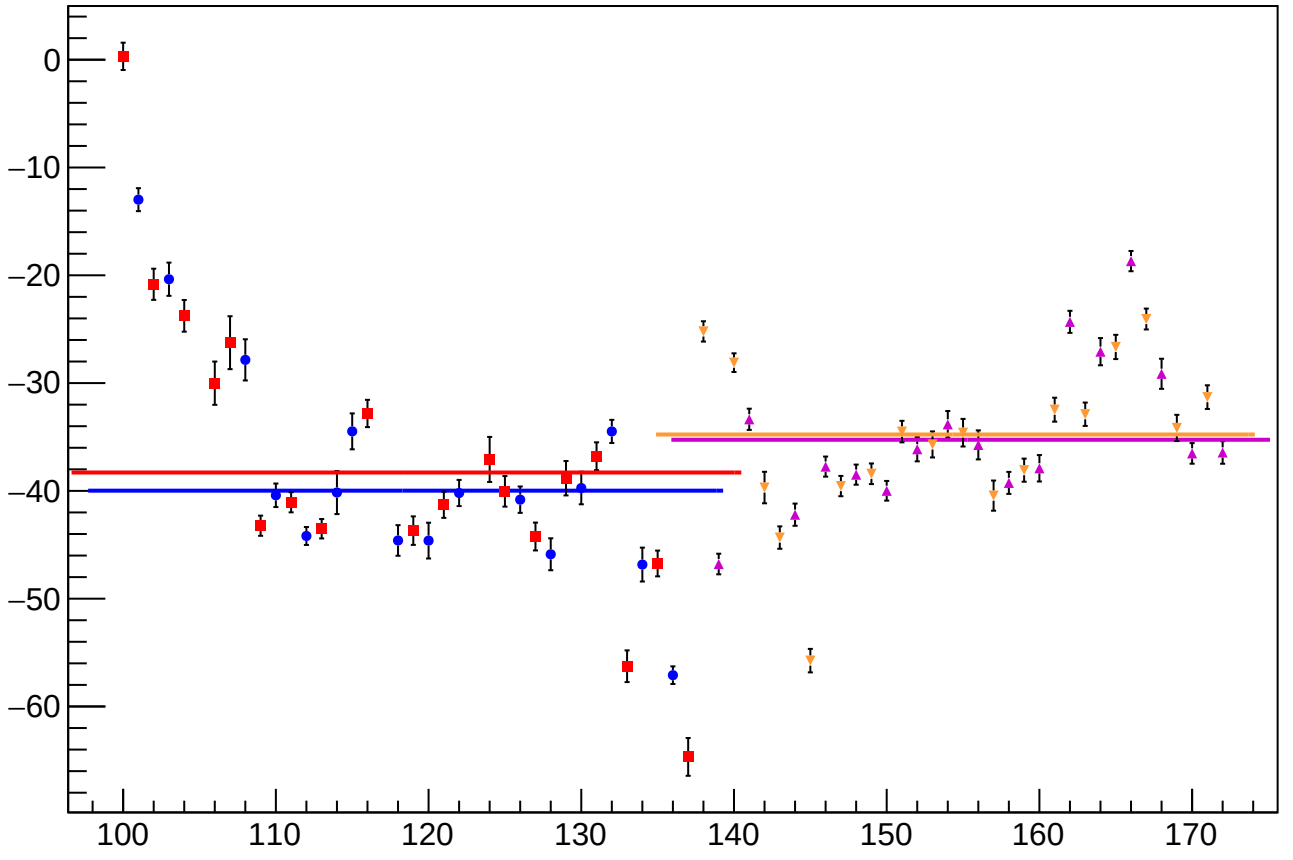
Left: -20.019+/-0.007 χ^2/NDF: 116196.7/34

Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -19.970+/-0.008 χ^2/NDF:51828.4/32

Out: -20.340+/-0.008 χ^2/NDF:82725.2/36

All: -20.153+/-0.006 χ^2/NDF: 135519.5/69



Right In: -39.979+/-0.311 χ^2/NDF: 1398.4/15

Left Out: -34.769+/-0.253 χ^2/NDF:887.4/17

Right Out: -38.295+/-0.299 χ^2/NDF: 1773.8/18

Left In: -35.257+/-0.255 χ^2/NDF:752.3/16

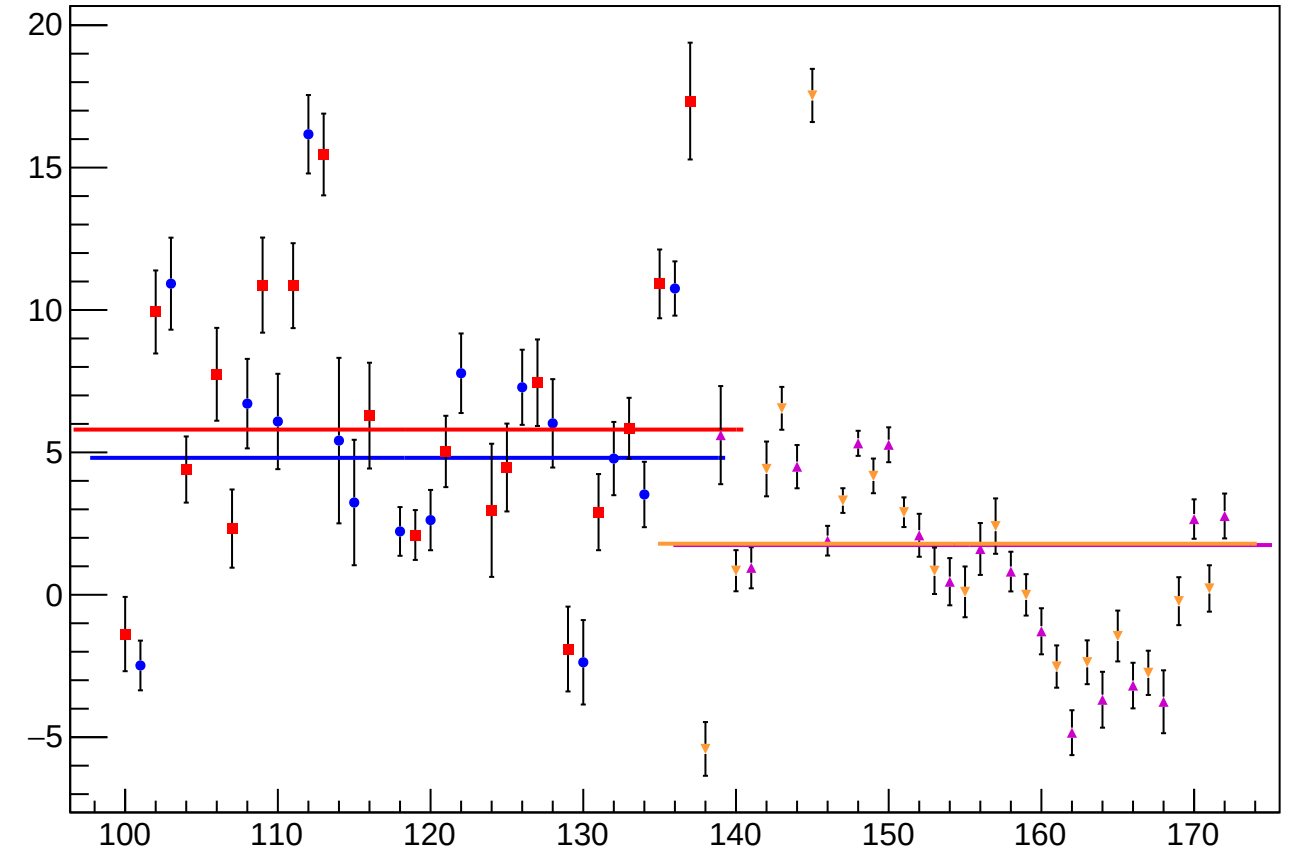
Left: -35.012+/-0.179 χ^2/NDF: 1641.6/34

Right: -39.104+/-0.216 χ^2/NDF: 3187.4/34

In: -37.151+/-0.197 χ^2/NDF:2288.7/32

Out: -36.240+/-0.193 χ^2/NDF:2742.2/36

All: -36.687+/-0.138 χ^2/NDF: 5041.8/69


reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
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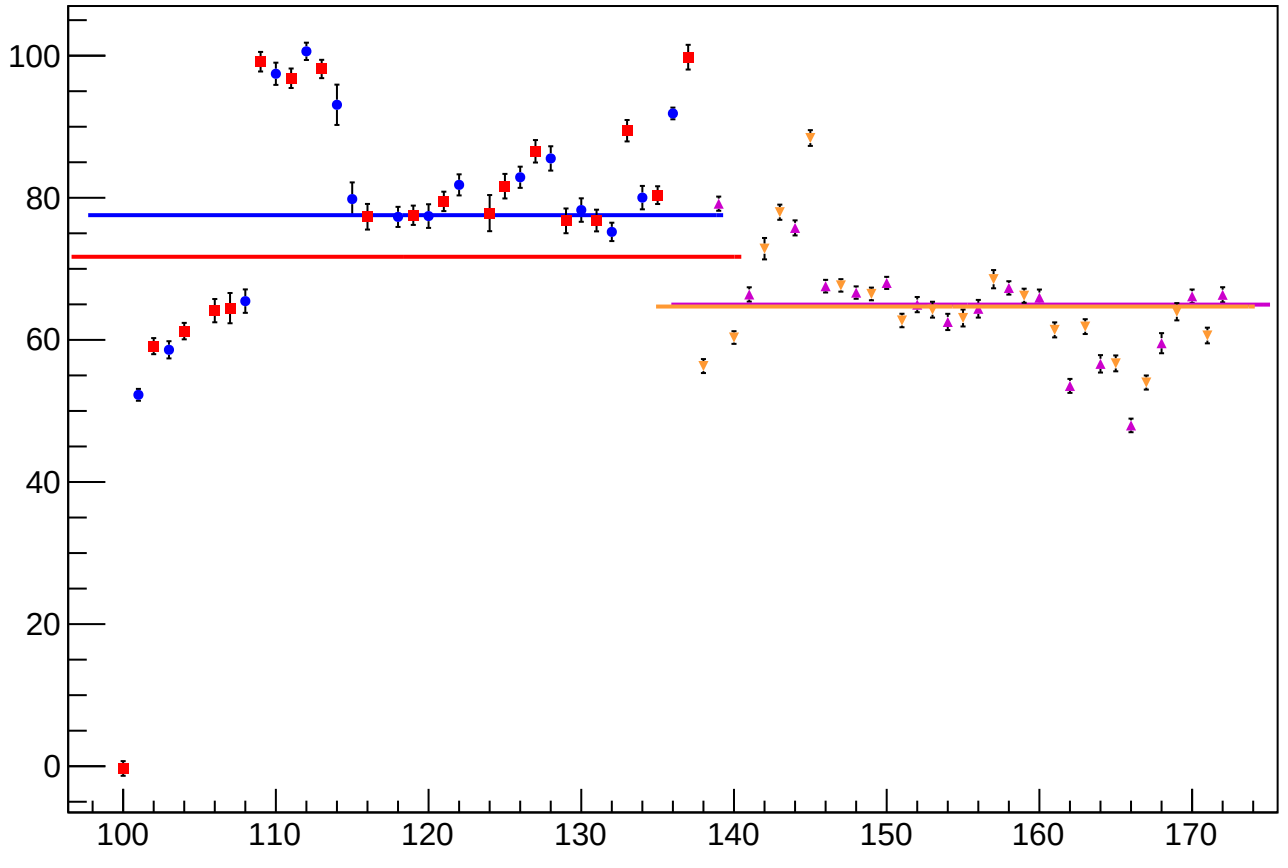
110
120
130
140
150
160
170
Right In: 4.808+/-0.316 χ²/NDF: 240.5/15
Left Out: 1.793+/-0.172 χ²/NDF:554.9/17
Right Out: 5.801+/-0.315 χ²/NDF: 216.4/18
Left In: 1.747+/-0.176 χ²/NDF:303.6/16
Left: 1.771+/-0.123 χ²/NDF: 858.5/34
Right: 5.307+/-0.223 χ²/NDF: 461.9/34
In: 2.471+/-0.154 χ²/NDF:615.6/32
Out: 2.714+/-0.151 χ²/NDF:896.0/36
All: 2.595+/-0.108 χ²/NDF: 1512.8/69



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 64.694+/-0.247 χ^2/NDF:968.4/17

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 64.966+/-0.248 χ^2/NDF:860.0/16

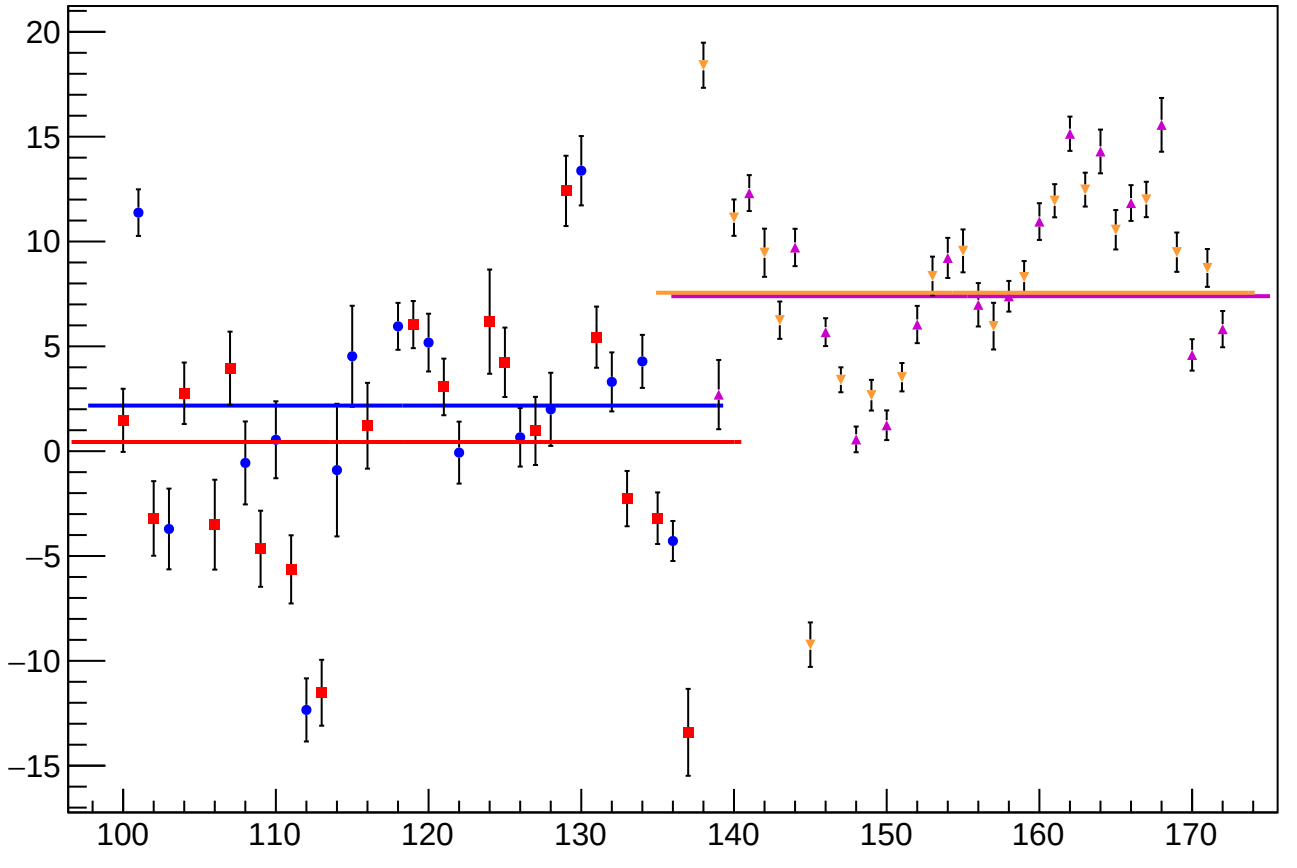
Left: 64.830+/-0.175 χ^2/NDF: 1829.0/34

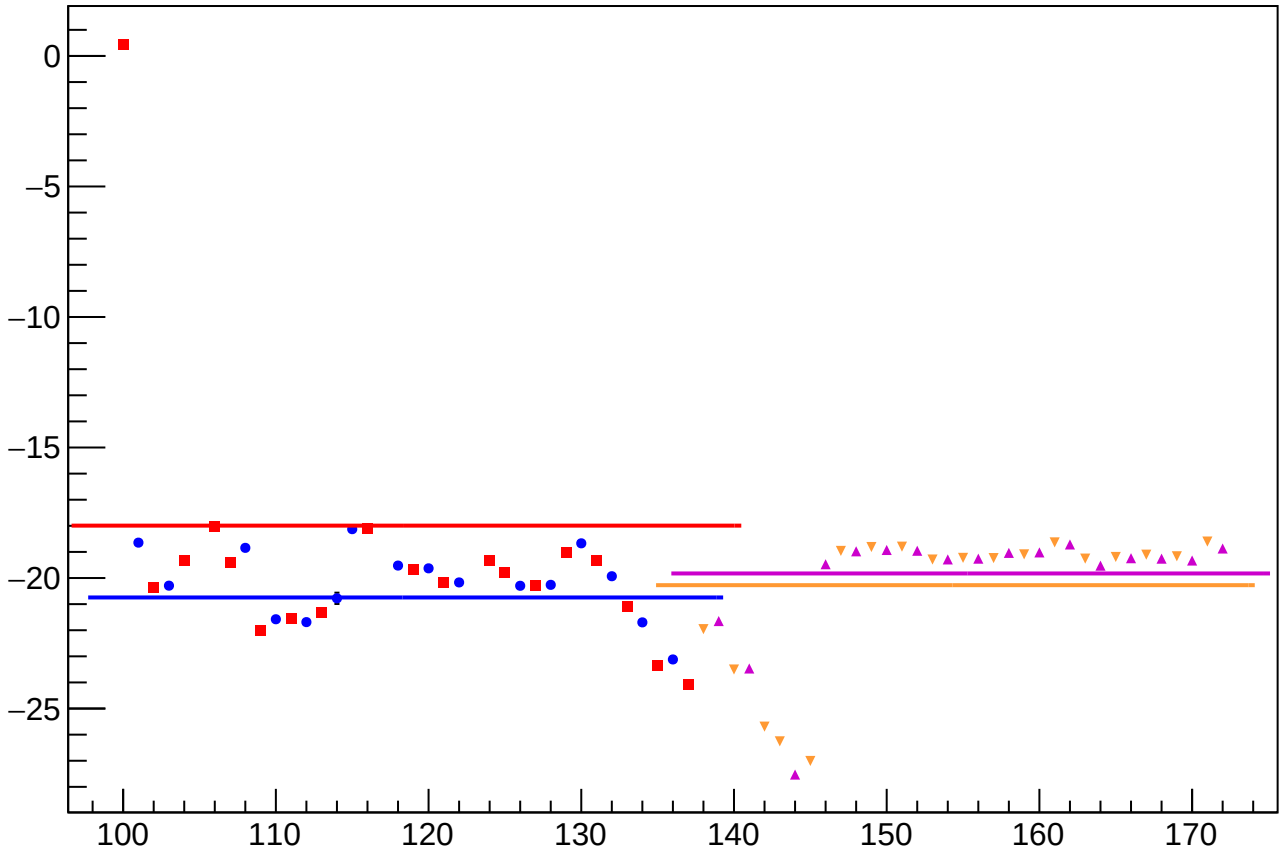
Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

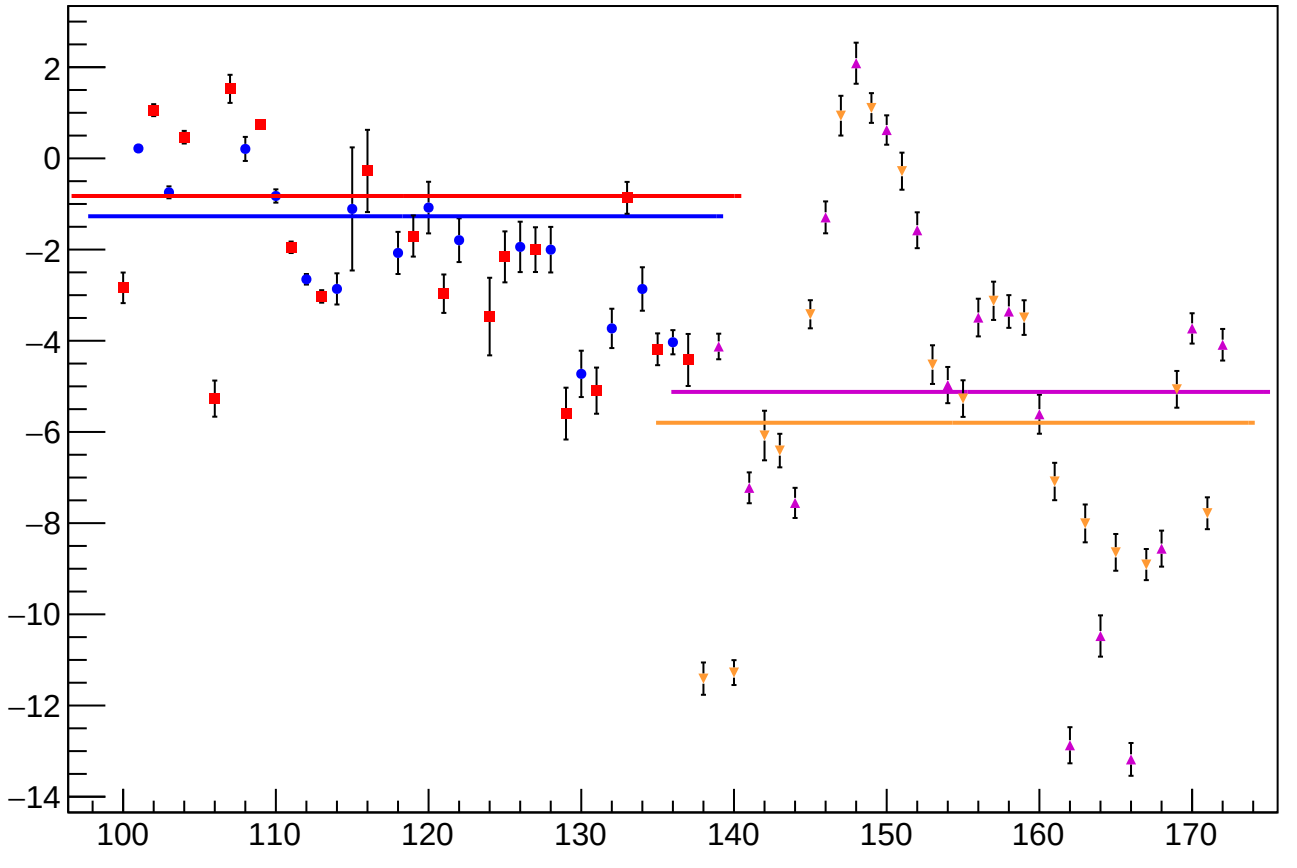
In: 69.382+/-0.200 χ^2/NDF:3882.0/32

Out: 67.211+/-0.198 χ^2/NDF:8159.8/36

All: 68.287+/-0.141 χ^2/NDF: 12101.3/69


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: 7.558+/-0.201 χ²/NDF:622.0/17
Right Out: 0.438+/-0.362 χ²/NDF: 254.1/18
Left In: 7.393+/-0.205 χ²/NDF:495.4/16
Left: 7.477+/-0.144 χ²/NDF: 1117.7/34
Right: 1.302+/-0.257 χ²/NDF: 555.9/34
In: 6.138+/-0.178 χ²/NDF:942.1/32
Out: 5.875+/-0.176 χ²/NDF:1171.7/36
All: 6.005+/-0.125 χ²/NDF: 2114.9/69


reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
100
110
120
130
140
150
160
170
Right In: -20.745+/-0.019 χ²/NDF: 7513.6/15
Left Out: -20.274+/-0.009 χ²/NDF:72249.4/17
Right Out: -17.993+/-0.019 χ²/NDF: 150579.1/18
Left In: -19.825+/-0.009 χ²/NDF:42153.2/16
Left: -20.047+/-0.007 χ²/NDF: 115561.5/34
Right: -19.328+/-0.014 χ²/NDF: 168397.6/34
In: -19.995+/-0.008 χ²/NDF:51487.7/32
Out: -19.823+/-0.008 χ²/NDF:234541.9/36
All: -19.909+/-0.006 χ²/NDF: 286240.6/69



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.798+/-0.088 χ^2/NDF:1881.7/17

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -5.122+/-0.088 χ^2/NDF:2048.0/16

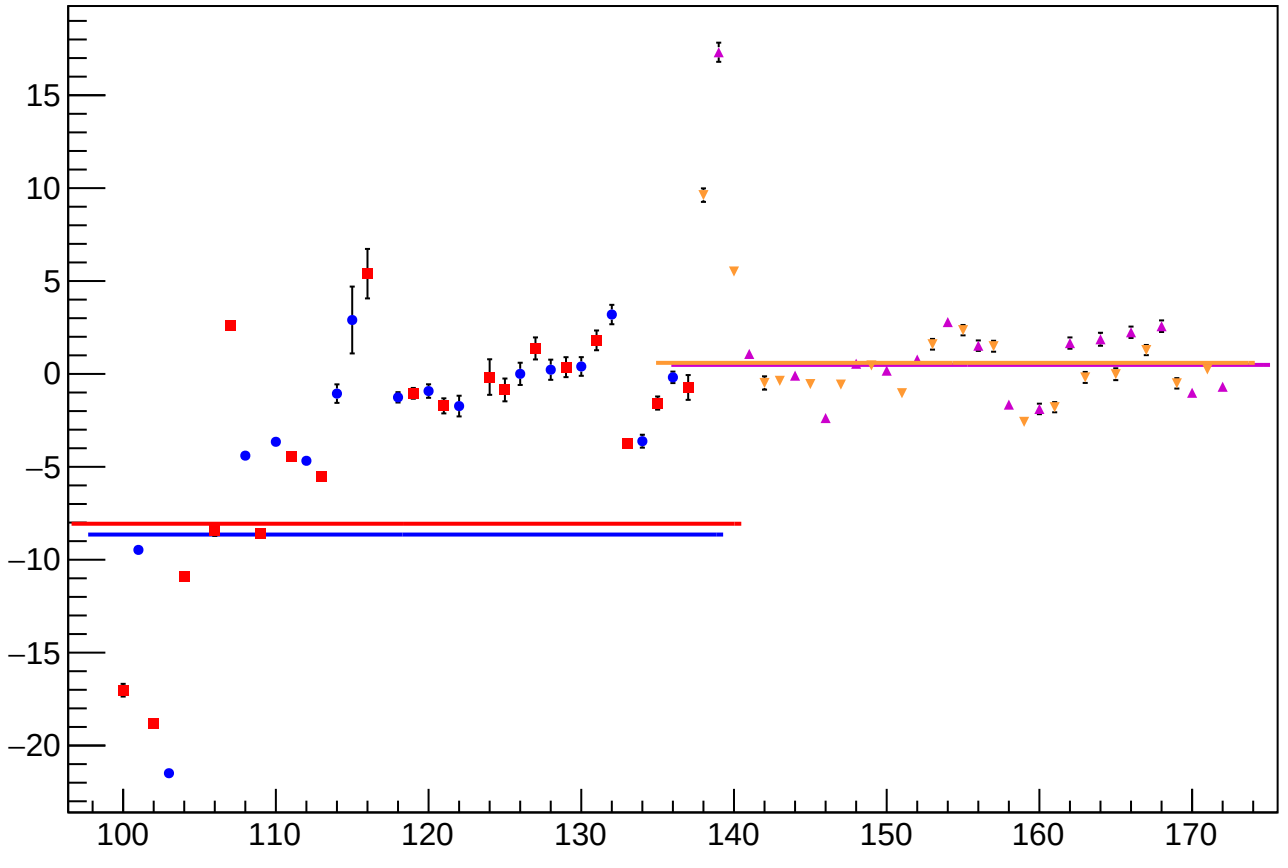
Left: -5.461+/-0.062 χ^2/NDF: 3959.0/34

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -2.331+/-0.046 χ^2/NDF:4040.0/32

Out: -2.073+/-0.044 χ^2/NDF:5648.5/36

All: -2.196+/-0.032 χ^2/NDF: 9704.7/69



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 0.597+/-0.062 χ^2/NDF:1523.3/17

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.486+/-0.064 χ^2/NDF:1662.7/16

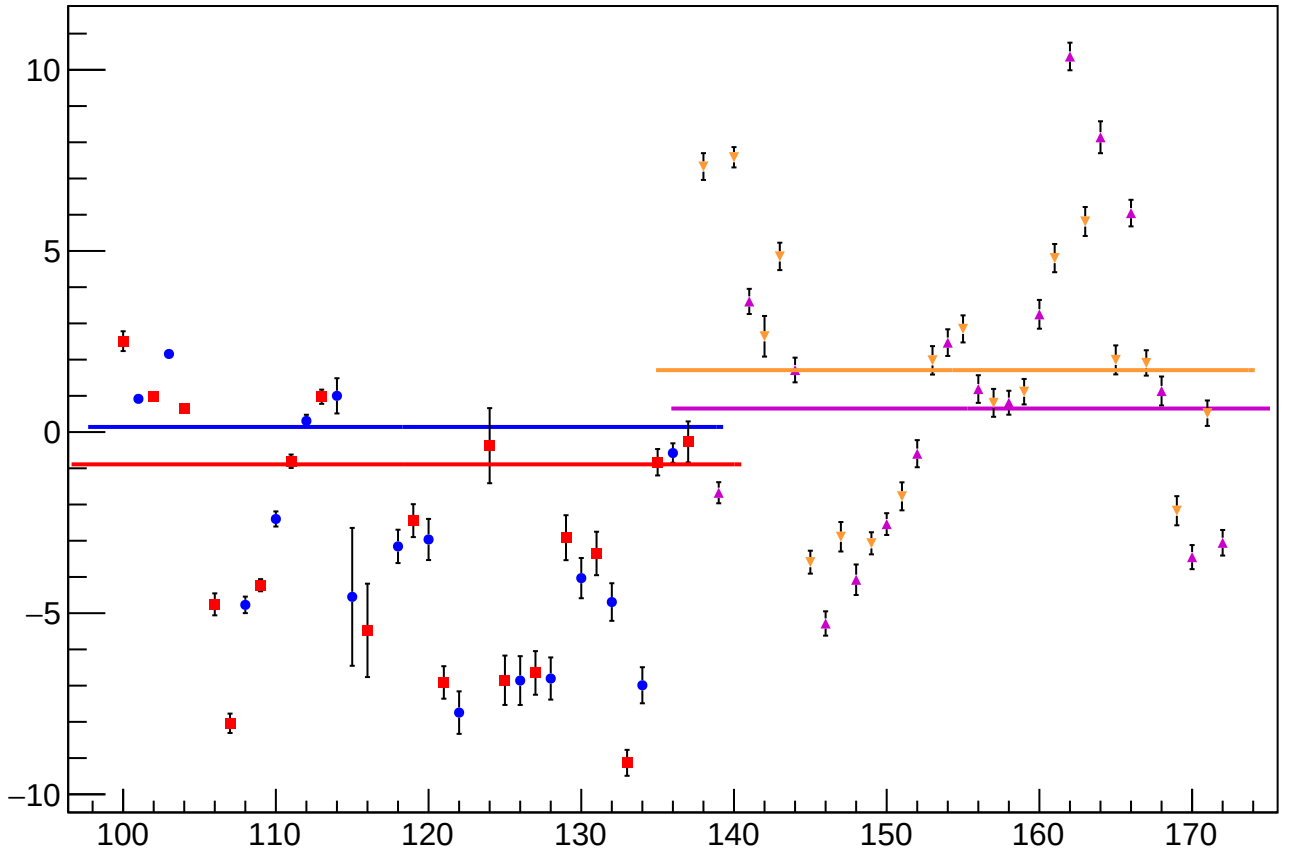
Left: 0.543+/-0.045 χ^2/NDF: 3187.5/34

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -4.625+/-0.043 χ^2/NDF:26814.0/32

Out: -4.090+/-0.042 χ^2/NDF:26356.8/36

All: -4.355+/-0.030 χ^2/NDF: 53250.2/69



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.710+/-0.087 χ^2/NDF:1768.2/17

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: 0.650+/-0.086 χ^2/NDF:2195.2/16

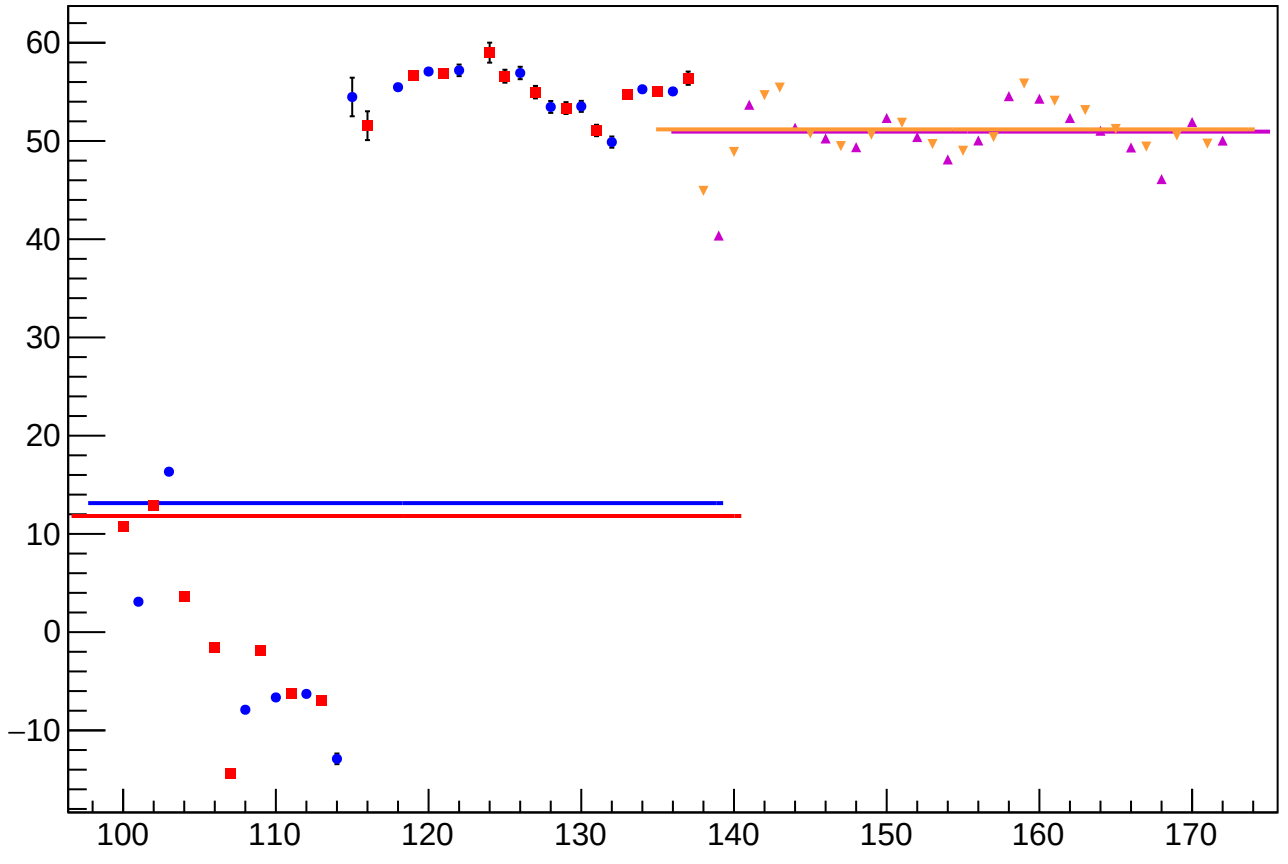
Left: 1.179+/-0.061 χ^2/NDF: 4038.4/34

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.280+/-0.045 χ^2/NDF:4180.1/32

Out: -0.169+/-0.046 χ^2/NDF:5406.8/36

All: 0.058+/-0.032 χ^2/NDF: 9636.0/69



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.181+/-0.072 χ^2/NDF:1172.7/17

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: 51.068+/-0.051 χ^2/NDF: 2445.5/34

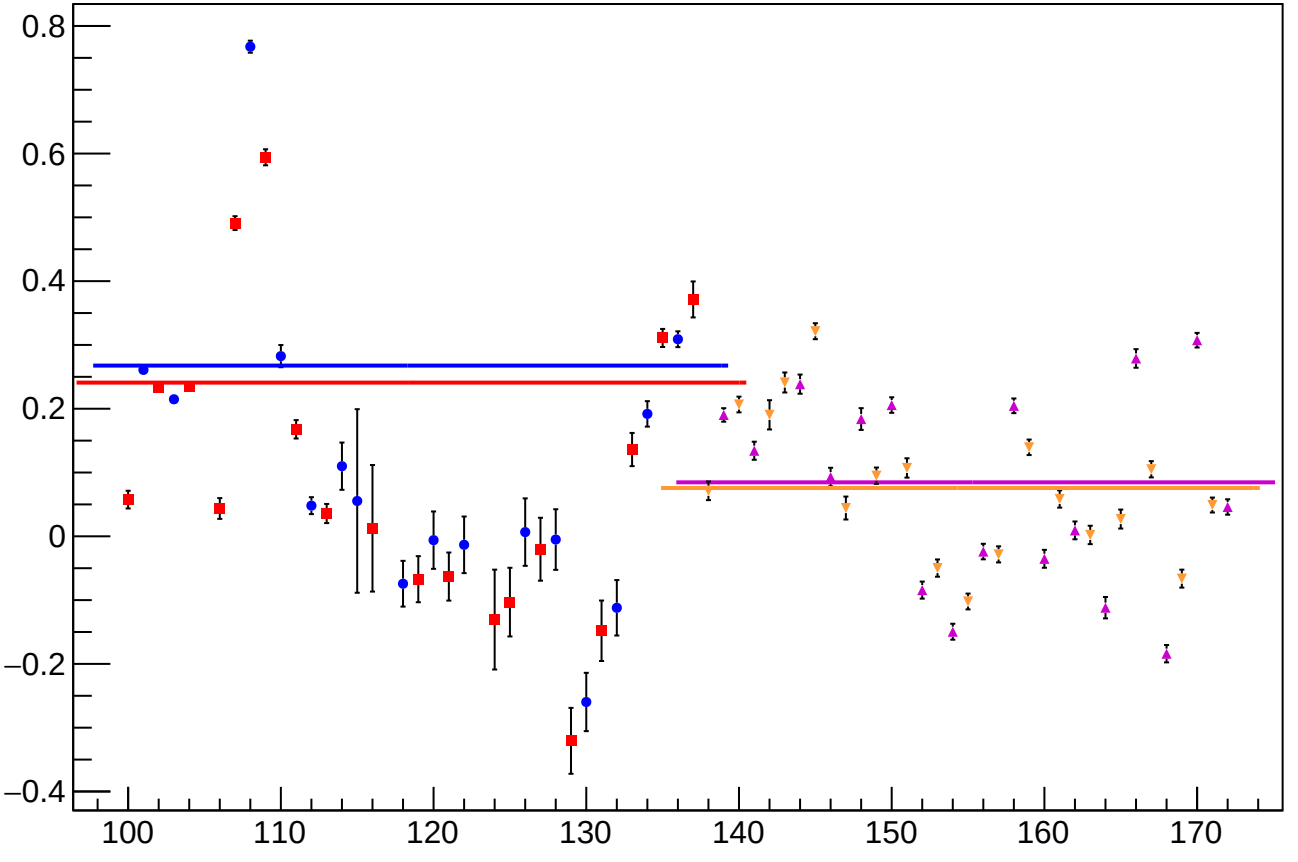
Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 30.640+/-0.050 χ^2/NDF:253226.9/32

Out: 30.348+/-0.049 χ^2/NDF:277732.2/36

All: 30.492+/-0.035 χ^2/NDF: 530976.5/69

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: 0.076+/-0.003 χ^2/NDF:1182.7/17

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.085+/-0.003 χ^2/NDF:2243.1/16

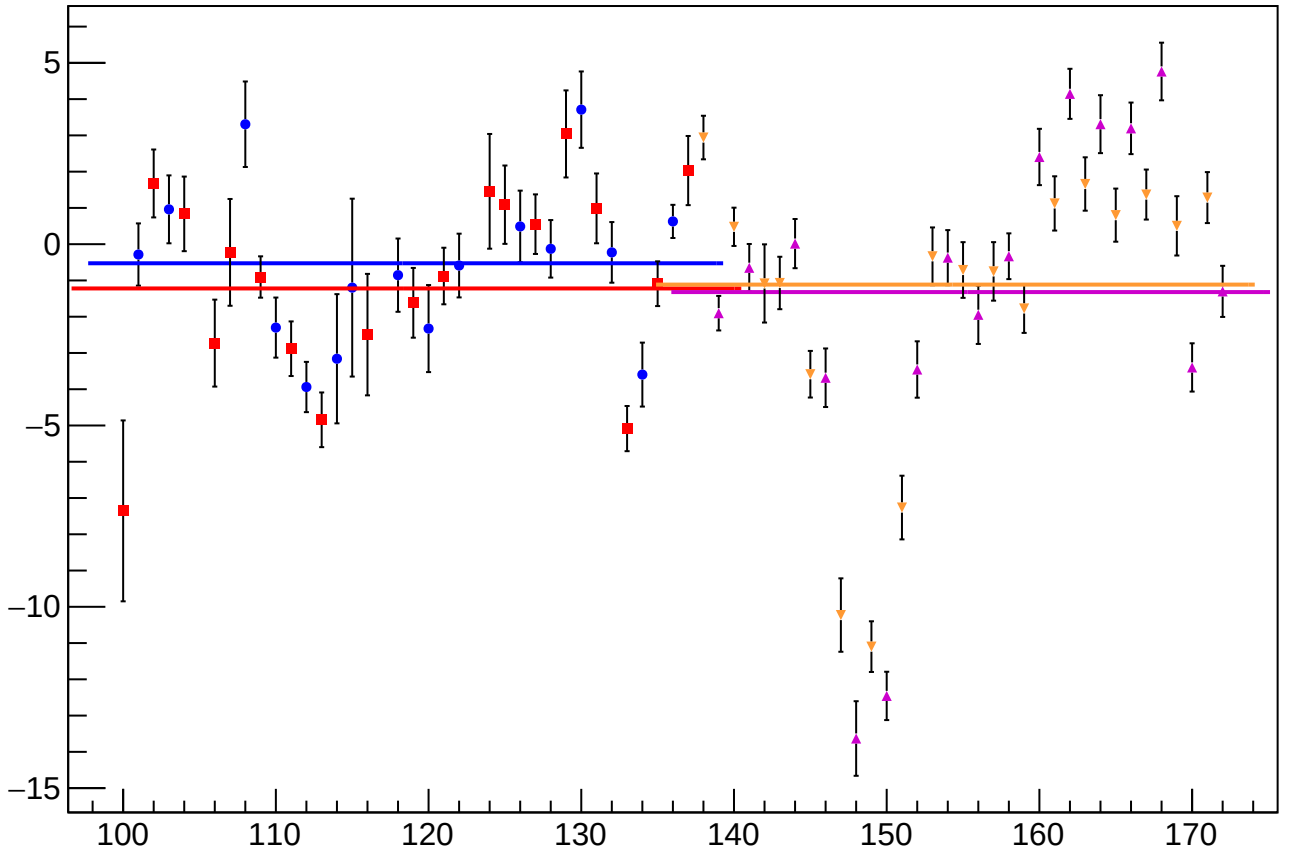
Left: 0.080+/-0.002 χ^2/NDF: 3429.6/34

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.188+/-0.002 χ^2/NDF:7822.0/32

Out: 0.172+/-0.002 χ^2/NDF:5037.4/36

All: 0.180+/-0.001 χ^2/NDF: 12890.7/69



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -1.115+/-0.172 χ^2/NDF:464.5/17

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -1.321+/-0.171 χ^2/NDF:677.7/16

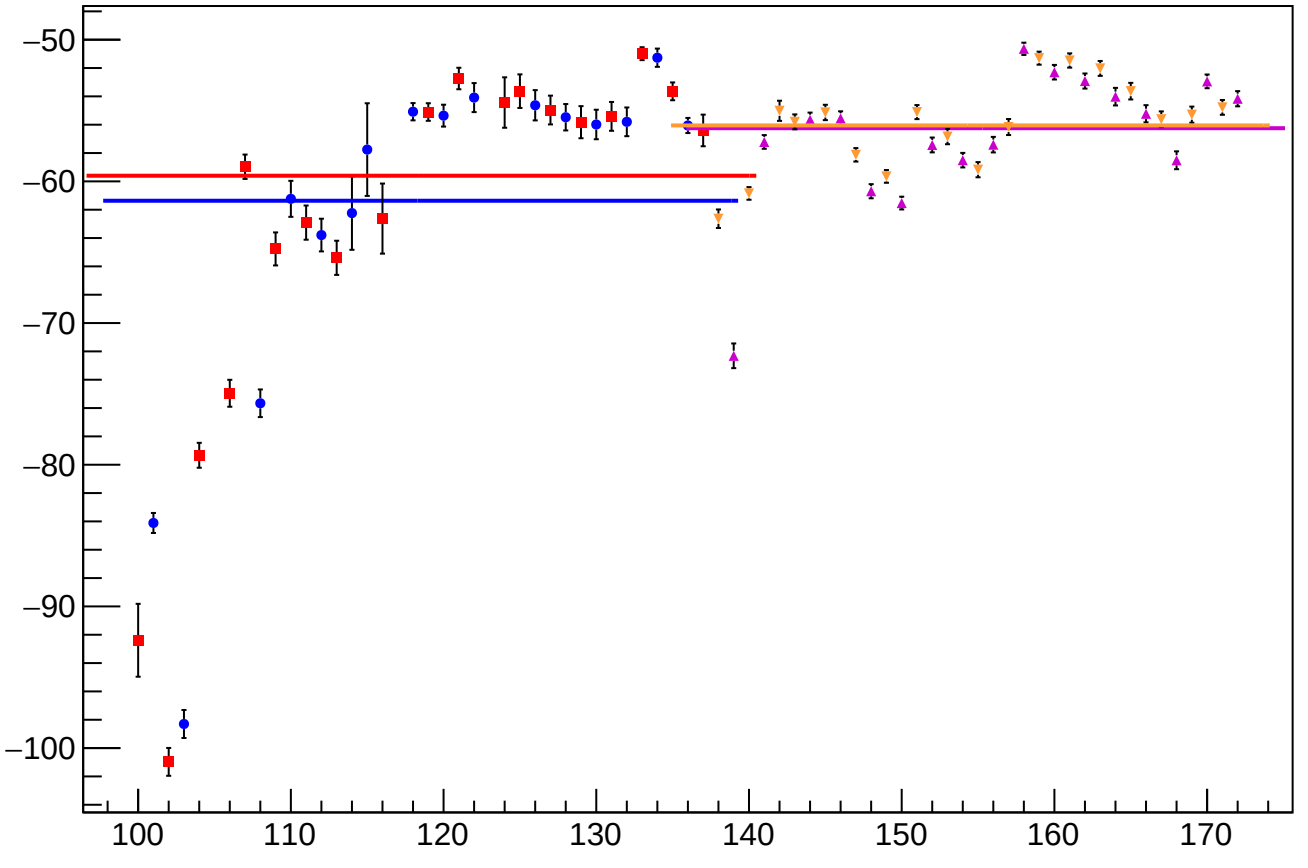
Left: -1.218+/-0.121 χ^2/NDF: 1142.9/34

Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -1.017+/-0.134 χ^2/NDF:768.7/32

Out: -1.158+/-0.131 χ^2/NDF:595.6/36

All: -1.089+/-0.094 χ^2/NDF: 1364.8/69



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -56.051+/-0.124 χ^2/NDF:618.3/17

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -56.247+/-0.128 χ^2/NDF:949.2/16

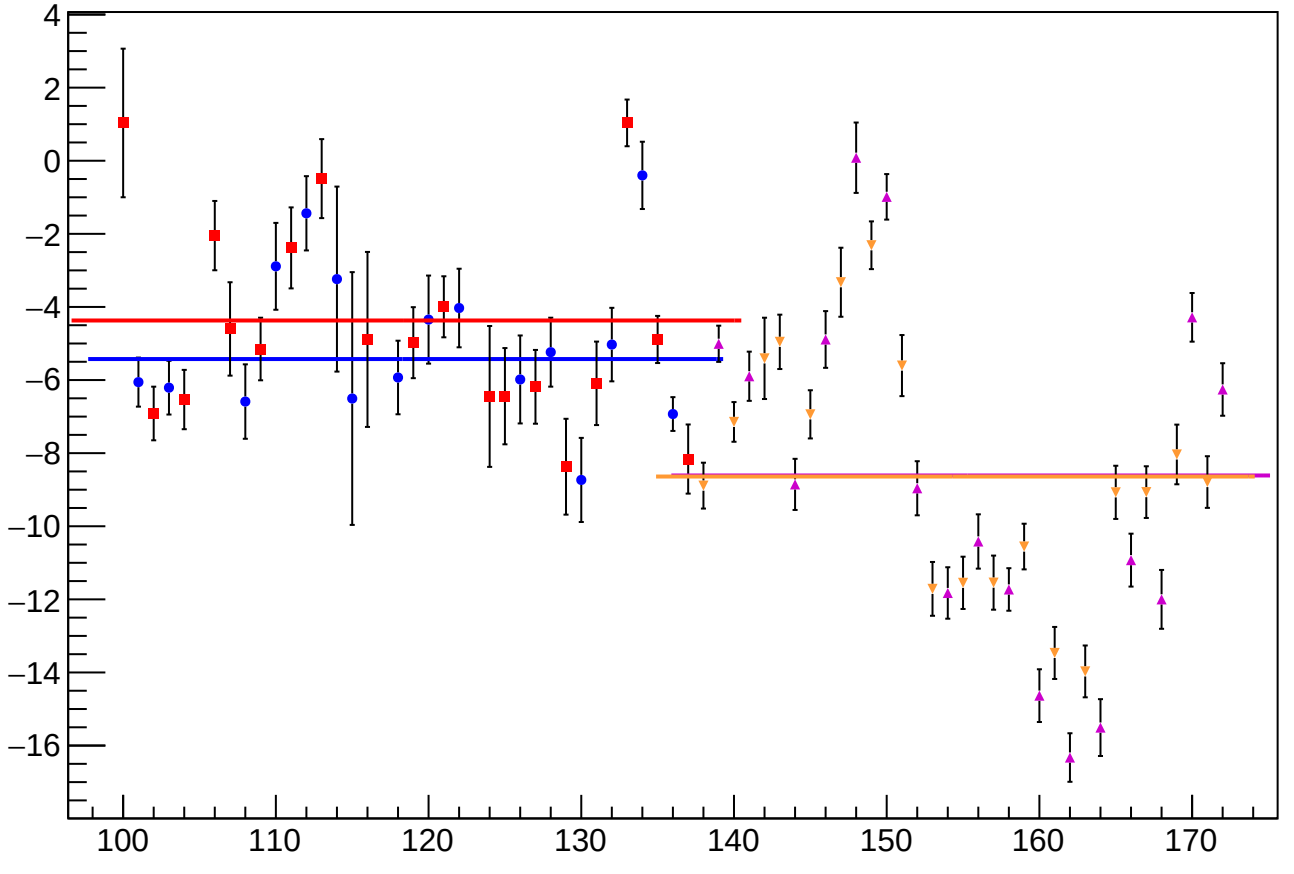
Left: -56.146+/-0.089 χ^2/NDF: 1568.7/34

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -57.544+/-0.110 χ^2/NDF:4708.4/32

Out: -56.992+/-0.106 χ^2/NDF:4256.6/36

All: -57.258+/-0.077 χ^2/NDF: 8978.0/69



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -8.640+/-0.168 χ^2/NDF:348.7/17

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: -8.625+/-0.119 χ^2/NDF: 1092.5/34

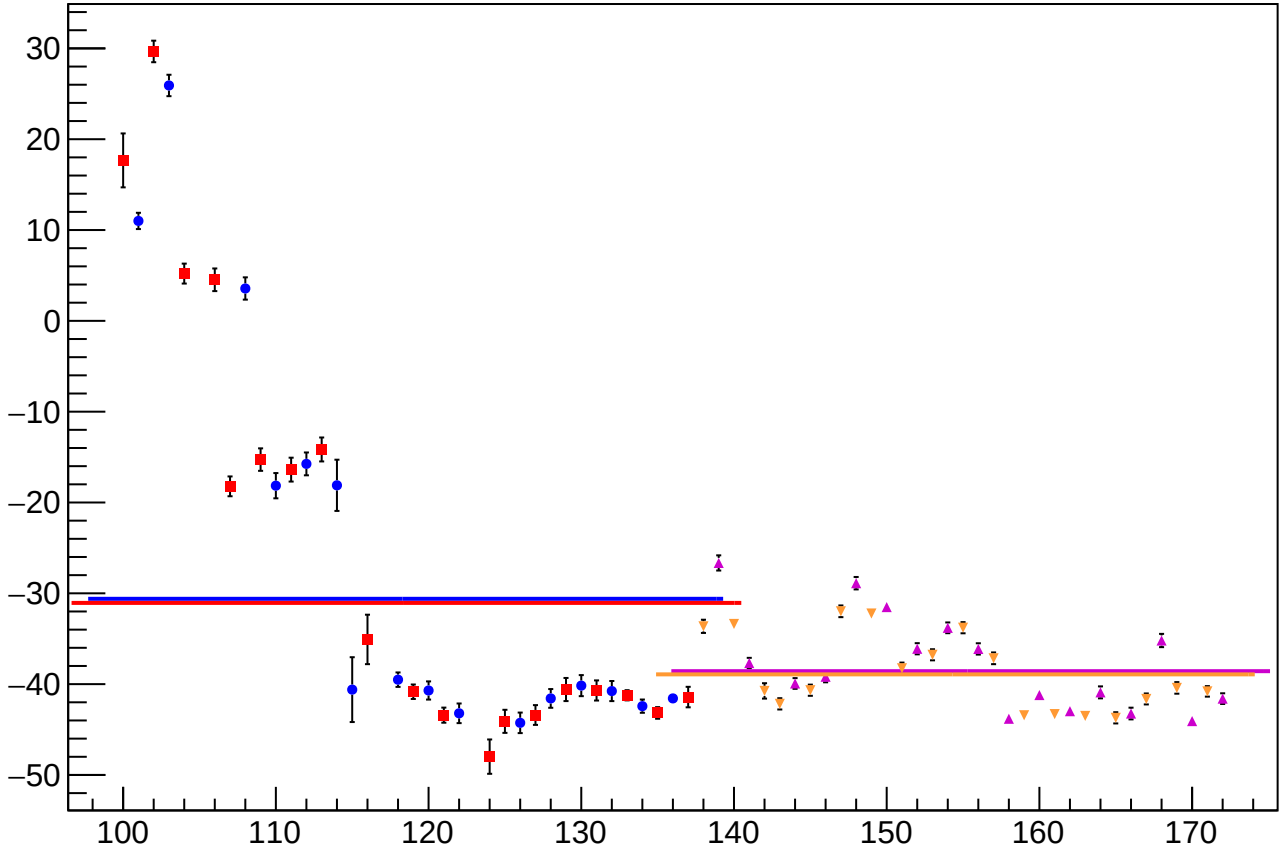
Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -7.508+/-0.135 χ^2/NDF:945.2/32

Out: -7.086+/-0.134 χ^2/NDF:739.4/36

All: -7.295+/-0.095 χ^2/NDF: 1689.6/69

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -38.924+/-0.141 χ^2/NDF:881.4/17

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -38.573+/-0.144 χ^2/NDF:1134.6/16

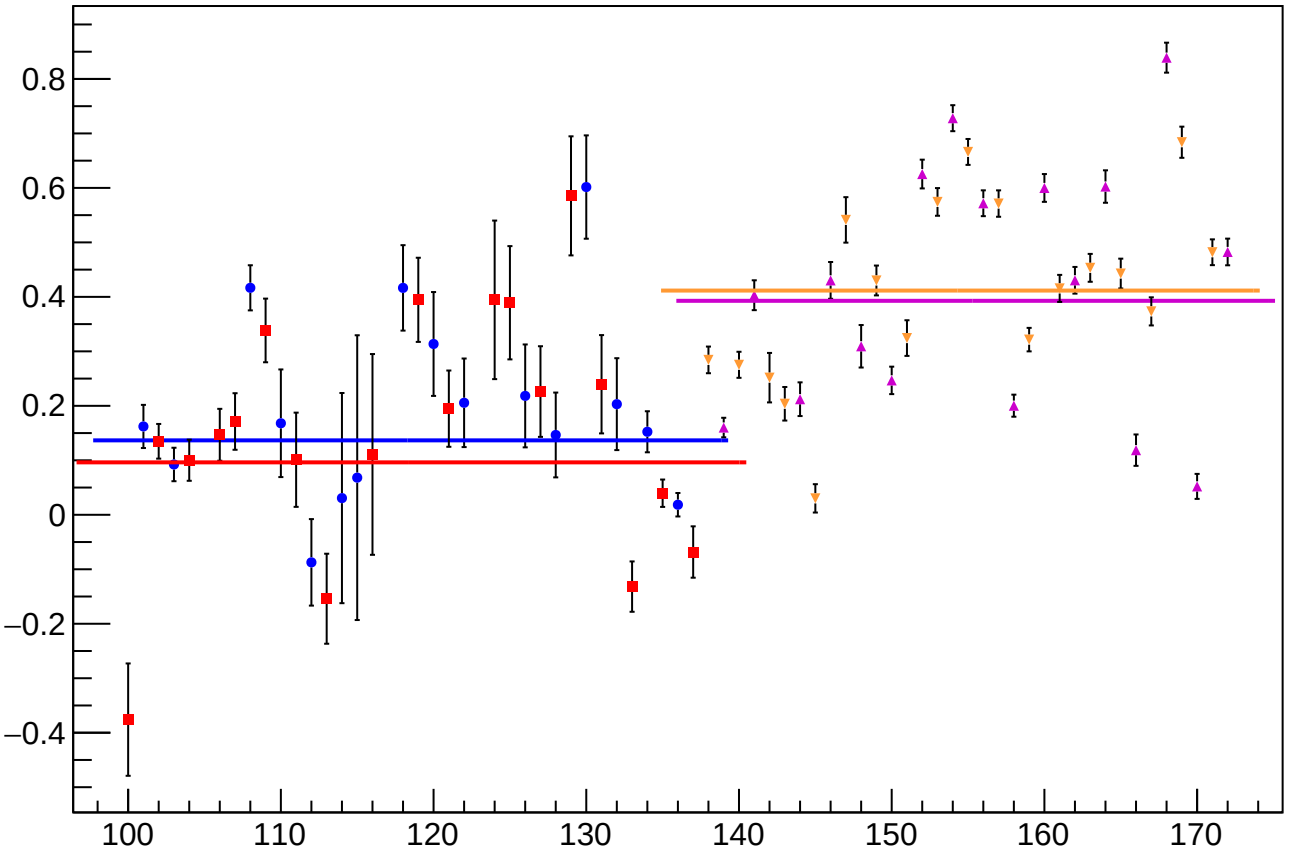
Left: -38.752+/-0.101 χ^2/NDF: 2019.0/34

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -36.586+/-0.125 χ^2/NDF:8838.8/32

Out: -36.869+/-0.122 χ^2/NDF:8666.9/36

All: -36.731+/-0.087 χ^2/NDF: 17508.3/69



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.412+/-0.006 χ^2/NDF:671.5/17

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

Left In: 0.393+/-0.006 χ^2/NDF:1369.8/16

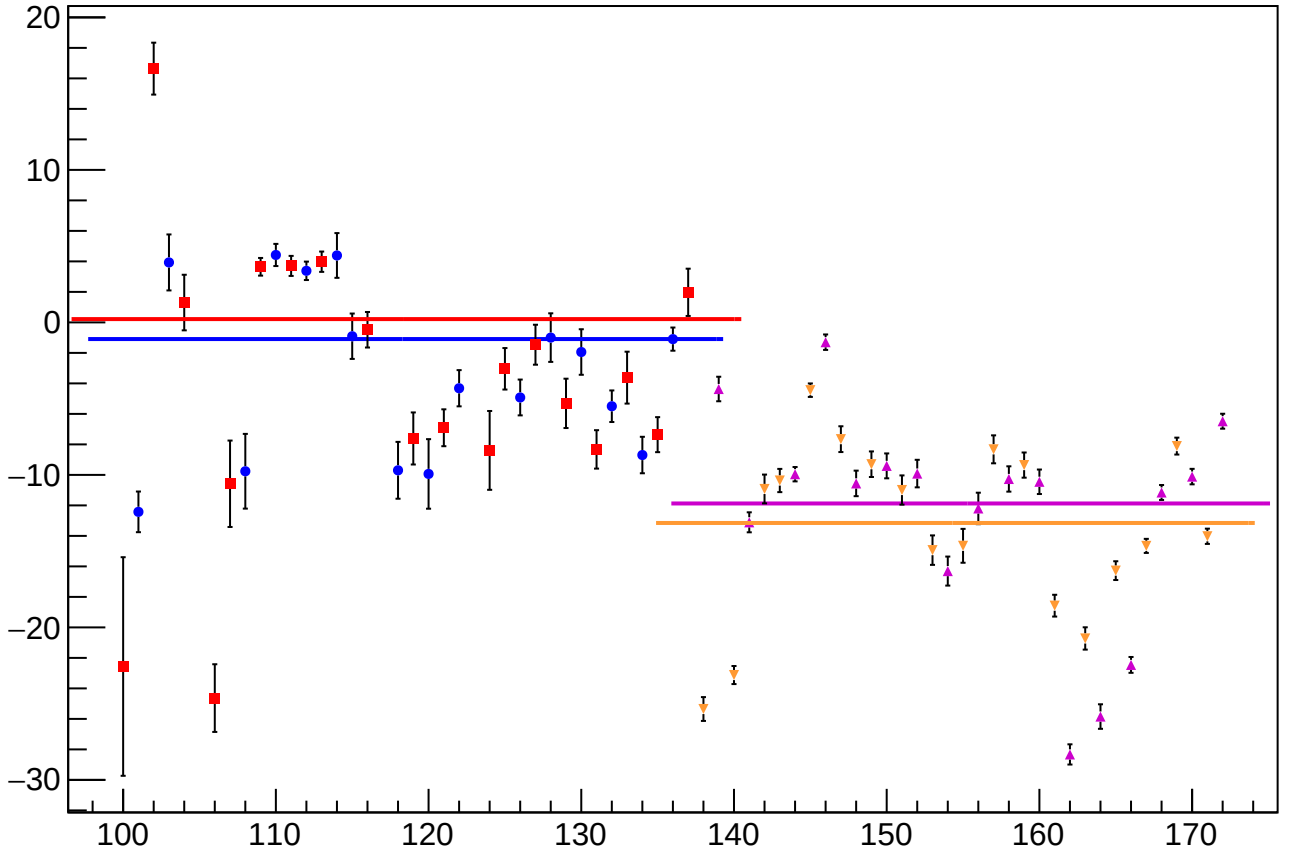
Left: 0.402+/-0.004 χ^2/NDF: 2045.9/34

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+/-0.006 χ^2/NDF:1338.0/36

All: 0.345+/-0.004 χ^2/NDF: 3175.3/69



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -13.152+/-0.159 χ^2/NDF:1344.2/17

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -11.874+/-0.156 χ^2/NDF:2056.4/16

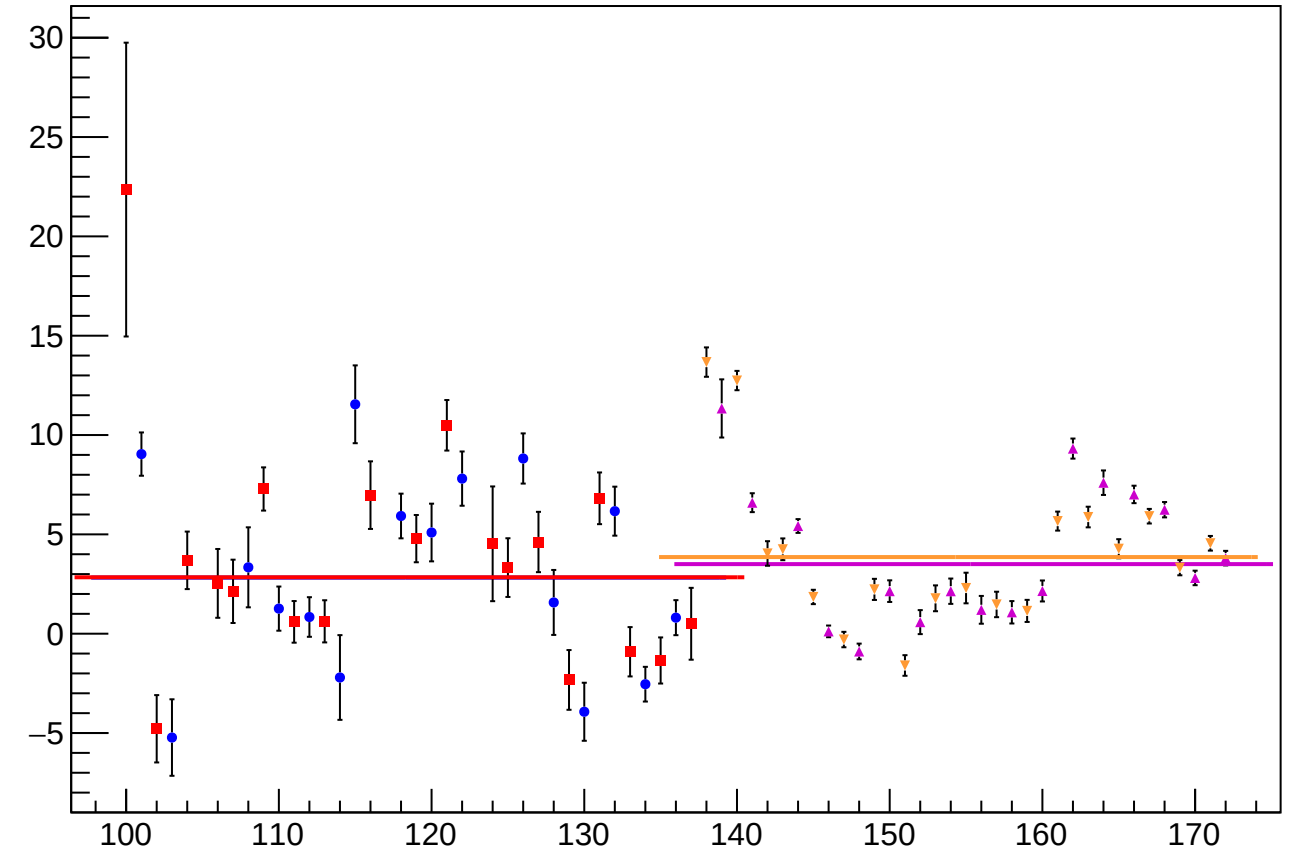
Left: -12.498+/-0.111 χ^2/NDF: 3433.5/34

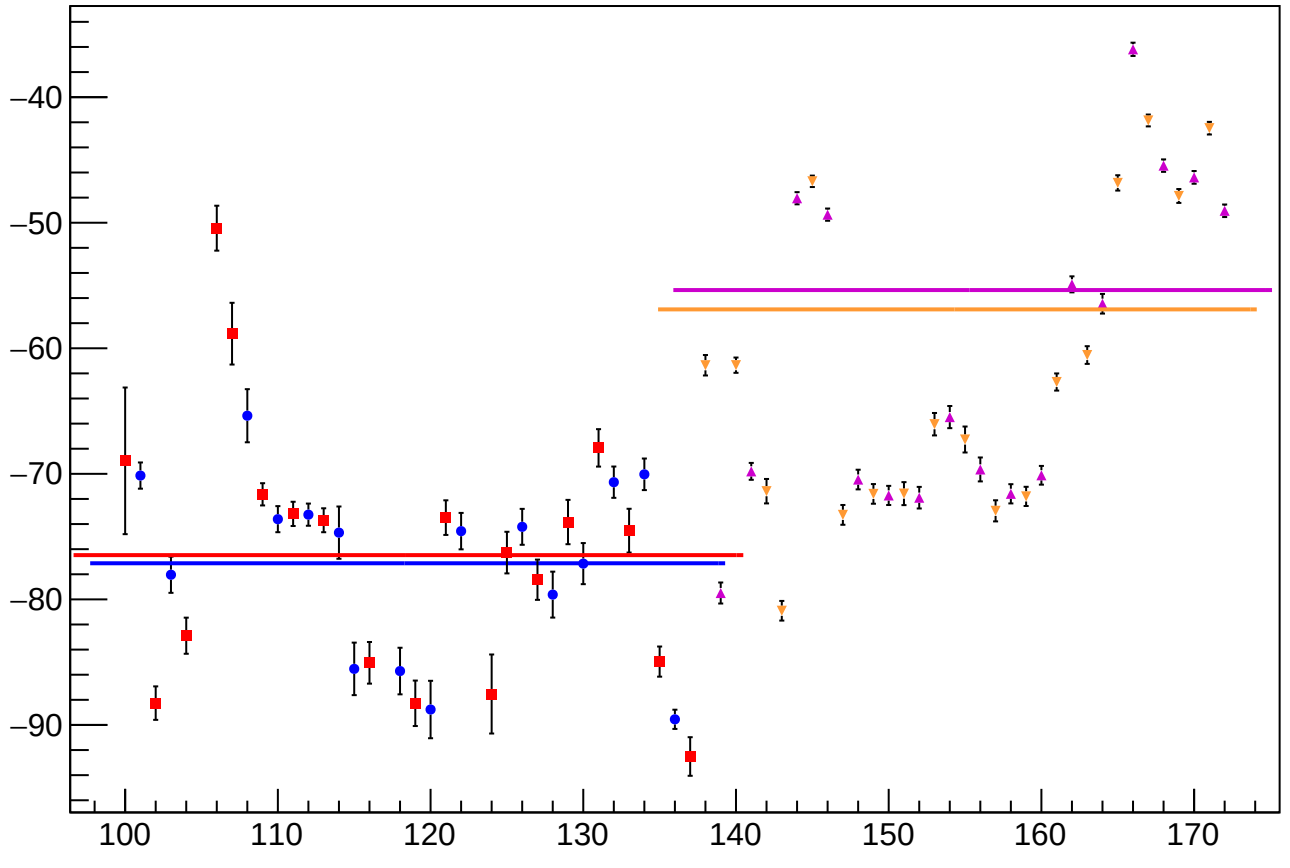
Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -9.334+/-0.136 χ^2/NDF:3517.0/32

Out: -9.621+/-0.137 χ^2/NDF:3721.0/36

All: -9.476+/-0.097 χ^2/NDF: 7240.2/69


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: 3.857+/-0.114 χ²/NDF:894.7/17
Right Out: 2.840+/-0.322 χ²/NDF: 145.0/18
Left In: 3.502+/-0.111 χ²/NDF:722.6/16
Left: 3.675+/-0.079 χ²/NDF: 1622.3/34
Right: 2.831+/-0.225 χ²/NDF: 344.5/34
In: 3.427+/-0.104 χ²/NDF:926.3/32
Out: 3.745+/-0.107 χ²/NDF:1048.5/36
All: 3.581+/-0.075 χ²/NDF: 1979.3/69



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -56.902+/-0.158 χ^2/NDF:6204.6/17

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: -56.111+/-0.110 χ^2/NDF: 12507.4/34

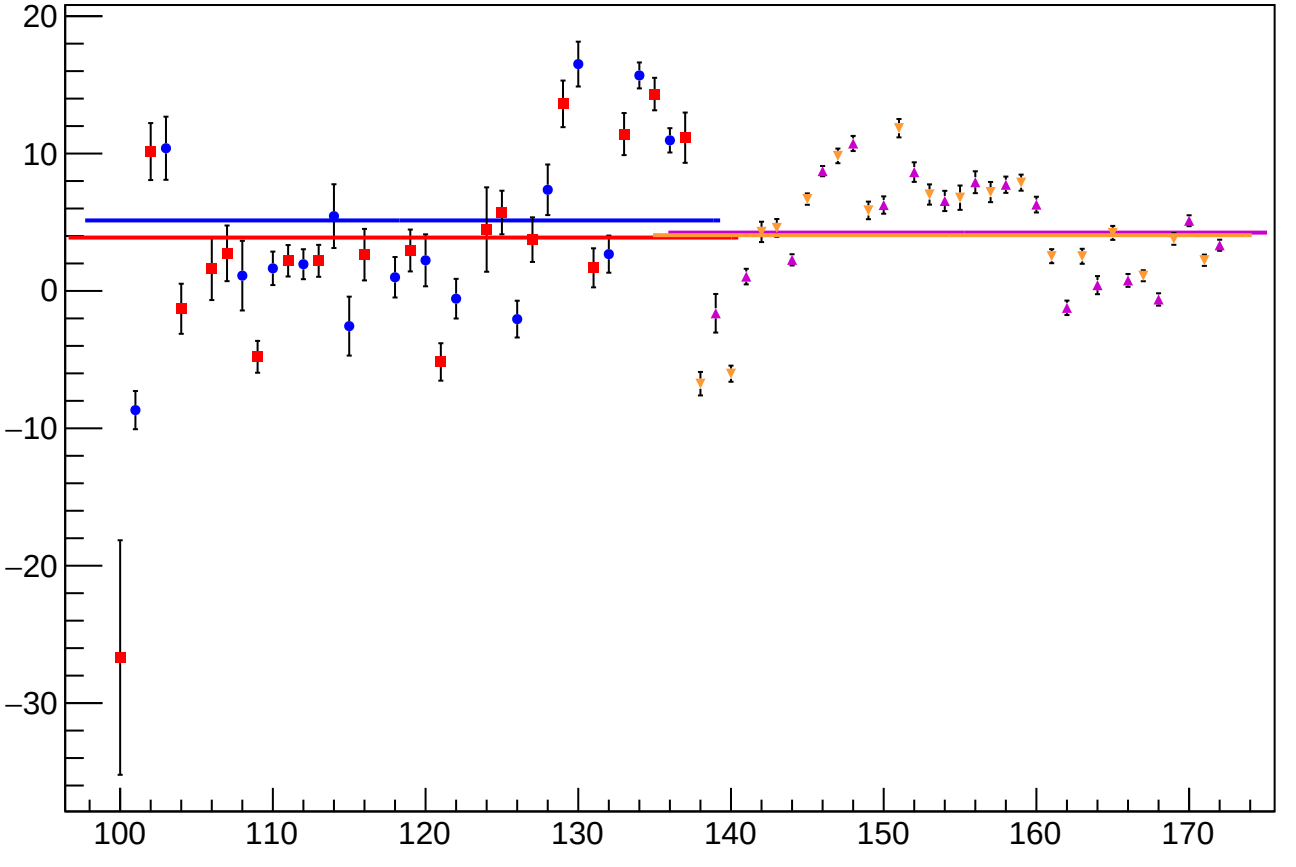
Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -59.318+/-0.139 χ^2/NDF:10396.7/32

Out: -60.586+/-0.143 χ^2/NDF:9782.6/36

All: -59.937+/-0.100 χ^2/NDF: 20219.8/69

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 4.058+/-0.130 χ^2/NDF:935.1/17

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 4.246+/-0.127 χ^2/NDF:807.2/16

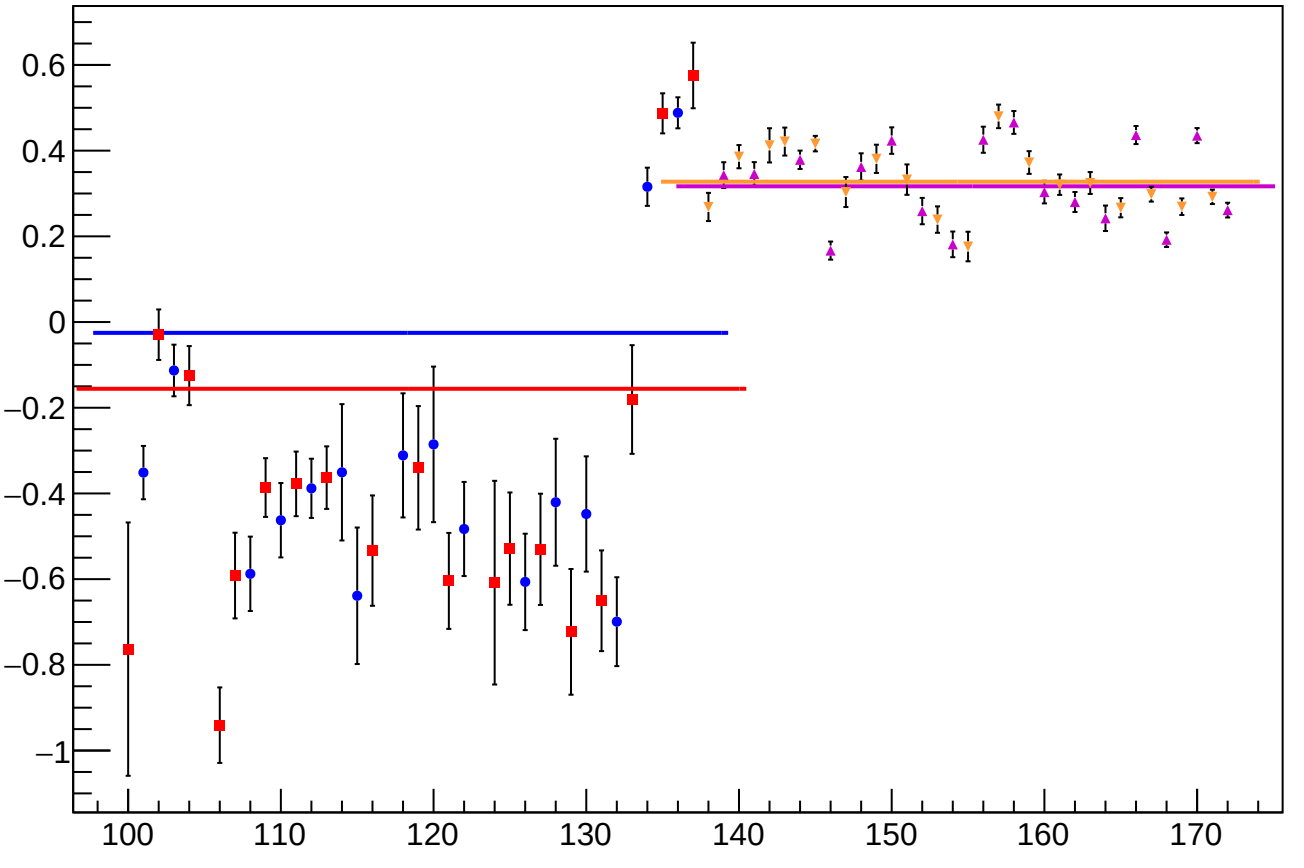
Left: 4.154+/-0.091 χ^2/NDF: 1743.3/34

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 4.349+/-0.119 χ^2/NDF:1225.2/32

Out: 4.038+/-0.122 χ^2/NDF:1226.7/36

All: 4.198+/-0.086 χ^2/NDF: 2455.3/69



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.328+/-0.006 χ^2/NDF:132.8/17

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: 0.322+/-0.004 χ^2/NDF: 427.6/34

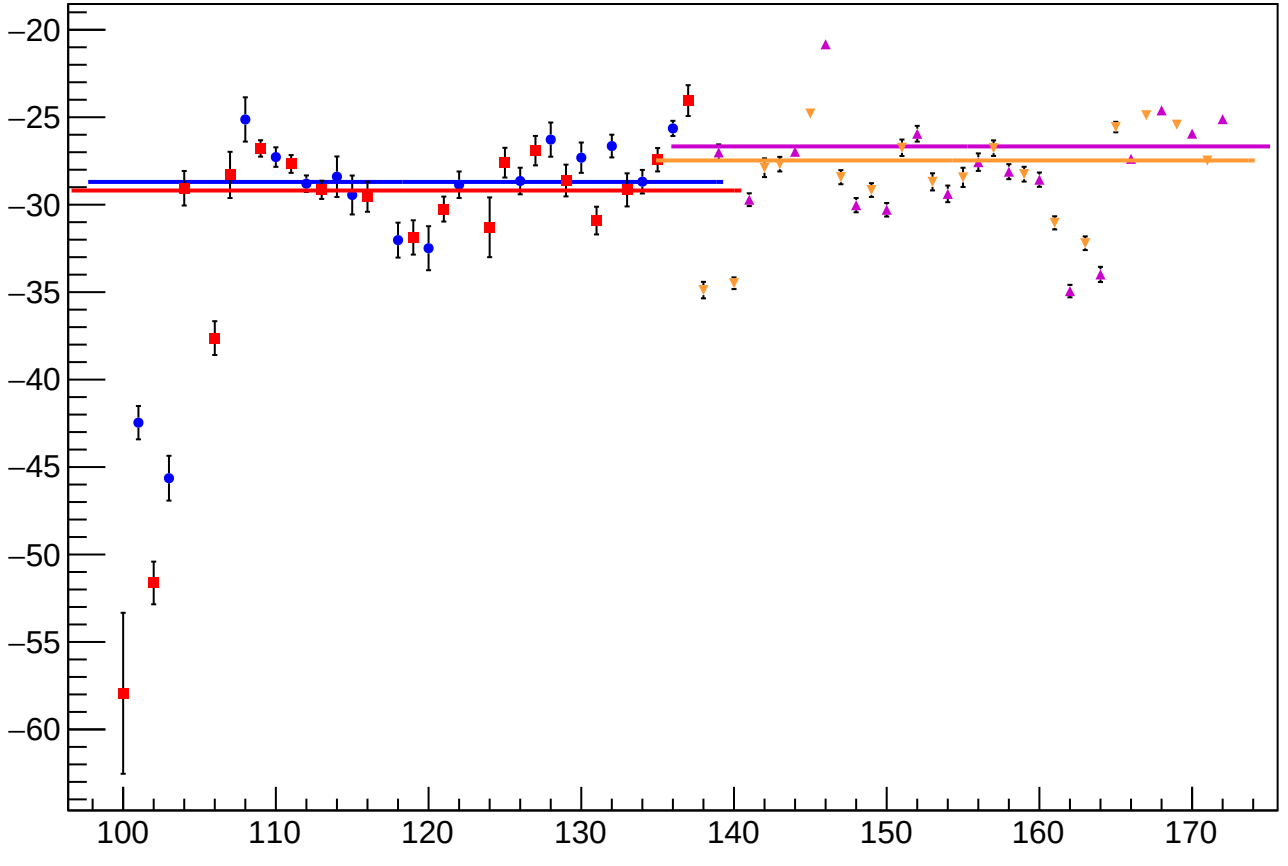
Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.288+/-0.006 χ^2/NDF:1104.1/32

Out: 0.290+/-0.006 χ^2/NDF:1154.8/36

All: 0.289+/-0.004 χ^2/NDF: 2259.0/69

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -27.470+/-0.078 χ^2/NDF:1397.6/17

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -26.668+/-0.074 χ^2/NDF:2070.6/16

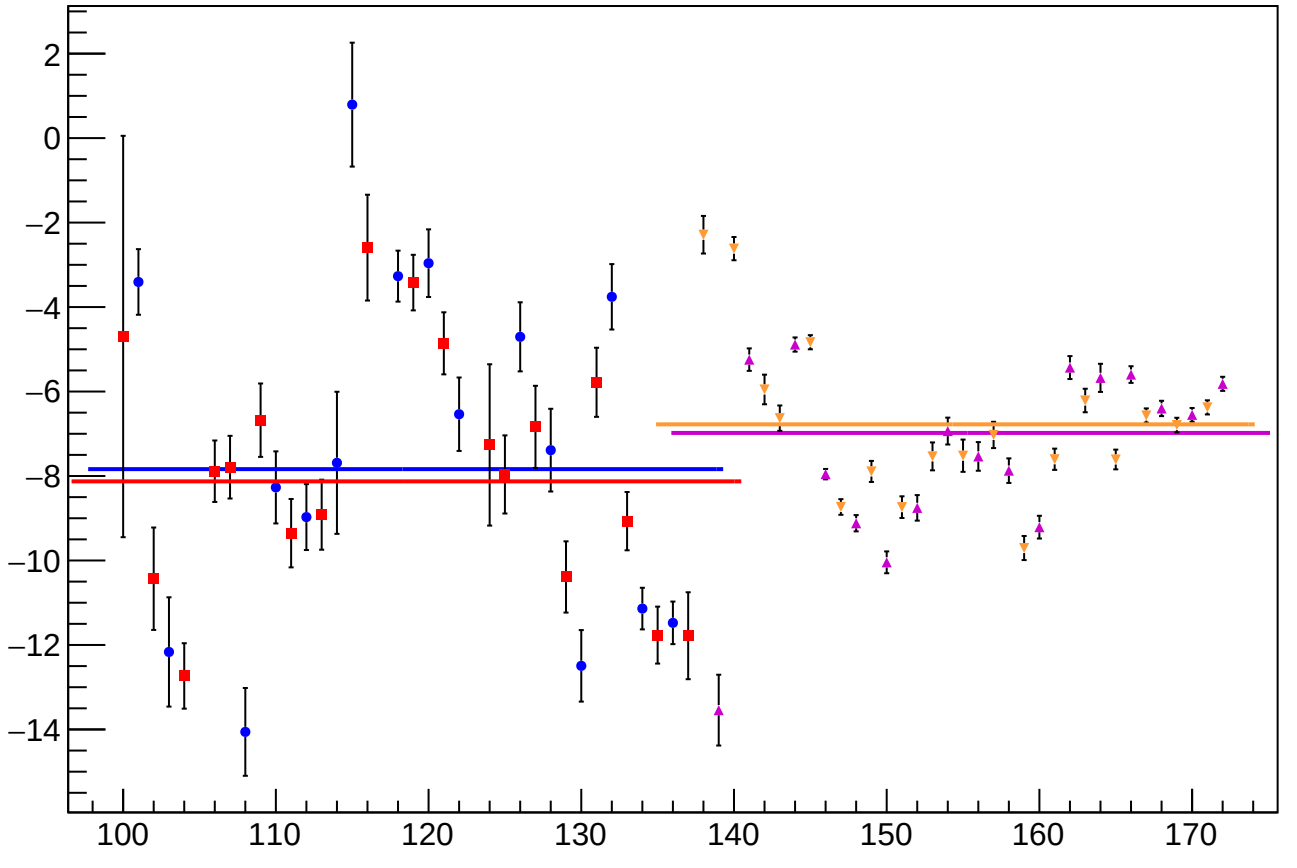
Left: -27.048+/-0.054 χ^2/NDF: 3524.0/34

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -26.945+/-0.069 χ^2/NDF:2660.9/32

Out: -27.739+/-0.072 χ^2/NDF:2030.8/36

All: -27.326+/-0.050 χ^2/NDF: 4755.6/69



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.777+/-0.056 χ^2/NDF:811.0/17

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -6.980+/-0.052 χ^2/NDF:863.0/16

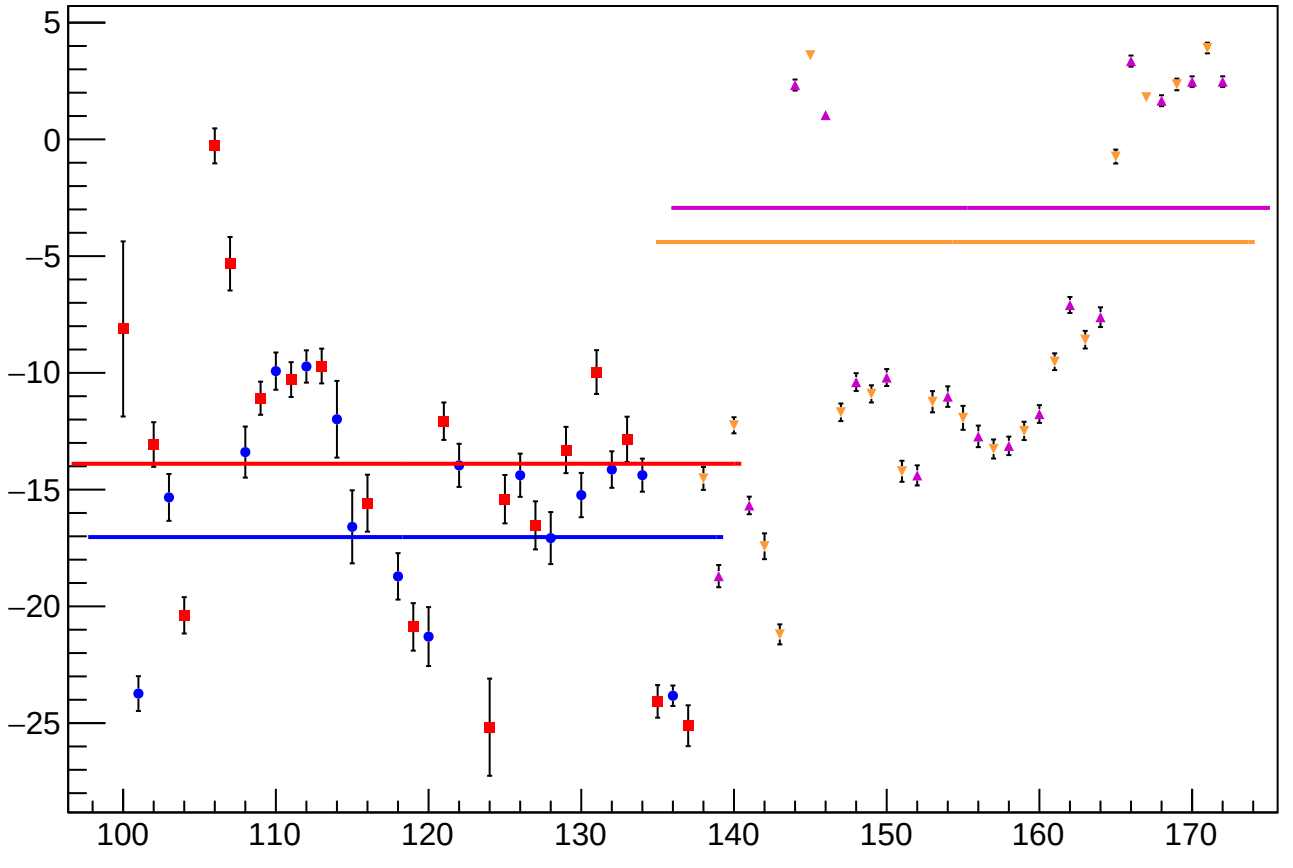
Left: -6.885+/-0.038 χ^2/NDF: 1681.2/34

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -7.037+/-0.050 χ^2/NDF:1264.3/32

Out: -6.877+/-0.053 χ^2/NDF:1052.0/36

All: -6.962+/-0.037 χ^2/NDF: 2321.1/69



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -4.396+/-0.077 χ^2/NDF:10373.4/17

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -2.934+/-0.073 χ^2/NDF:9129.4/16

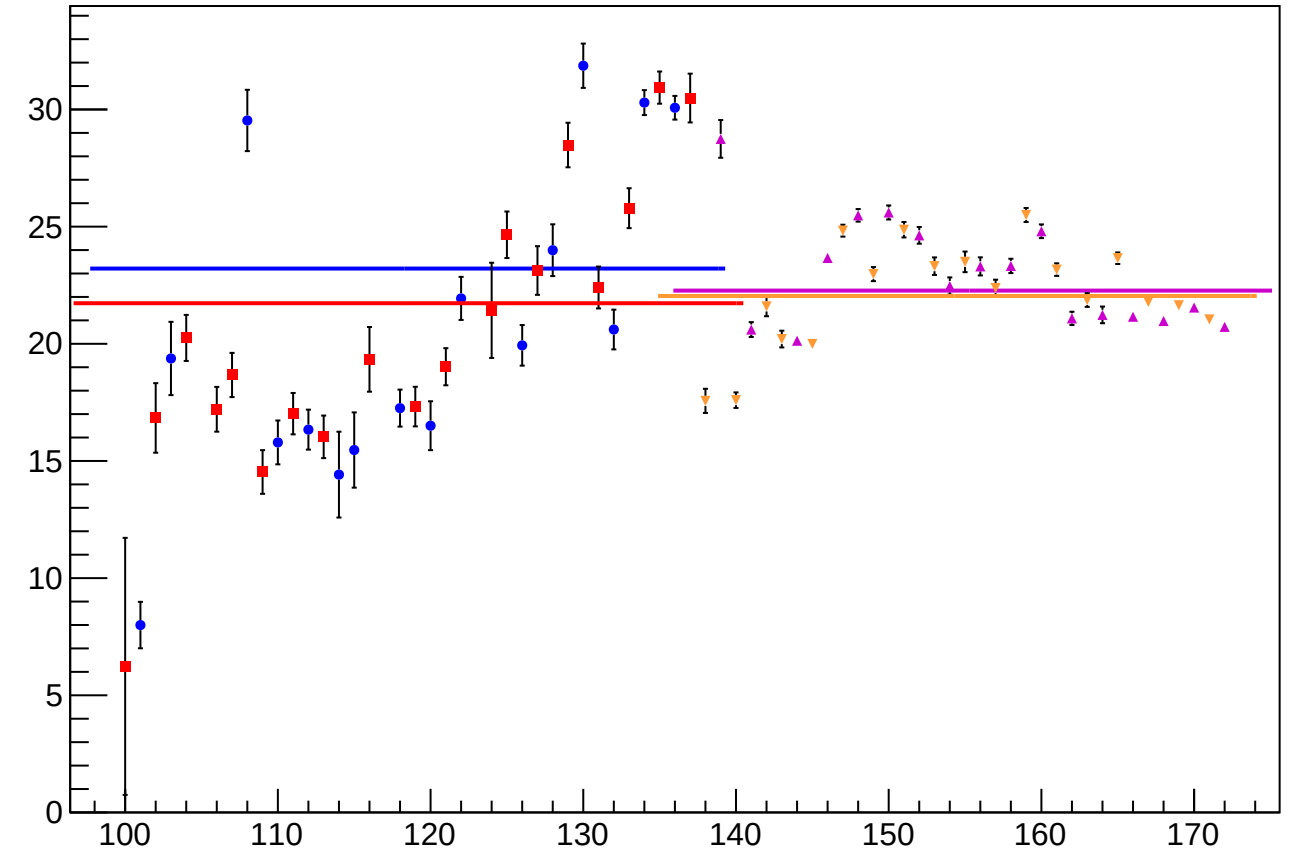
Left: -3.624+/-0.053 χ^2/NDF: 19691.8/34

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -4.465+/-0.069 χ^2/NDF:13772.6/32

Out: -5.533+/-0.072 χ^2/NDF:13202.3/36

All: -4.973+/-0.050 χ^2/NDF: 27089.0/69



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 22.041+/-0.064 χ^2/NDF:852.1/17

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 22.271+/-0.060 χ^2/NDF:877.5/16

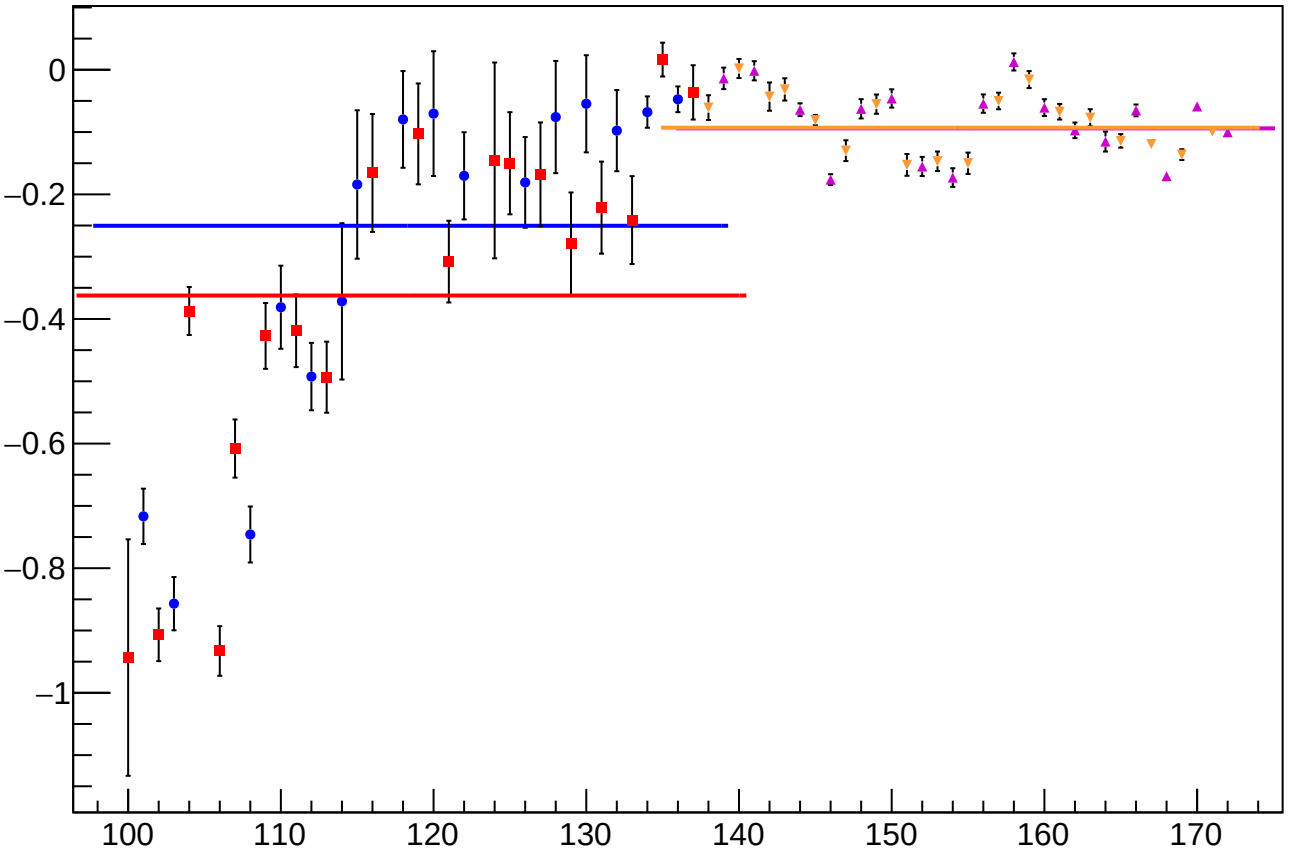
Left: 22.162+/-0.044 χ^2/NDF: 1736.5/34

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 22.337+/-0.058 χ^2/NDF:1903.0/32

Out: 22.018+/-0.061 χ^2/NDF:1412.1/36

All: 22.186+/-0.042 χ^2/NDF: 3329.5/69



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.093+/-0.003 χ^2/NDF:193.7/17

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.094+/-0.003 χ^2/NDF:413.6/16

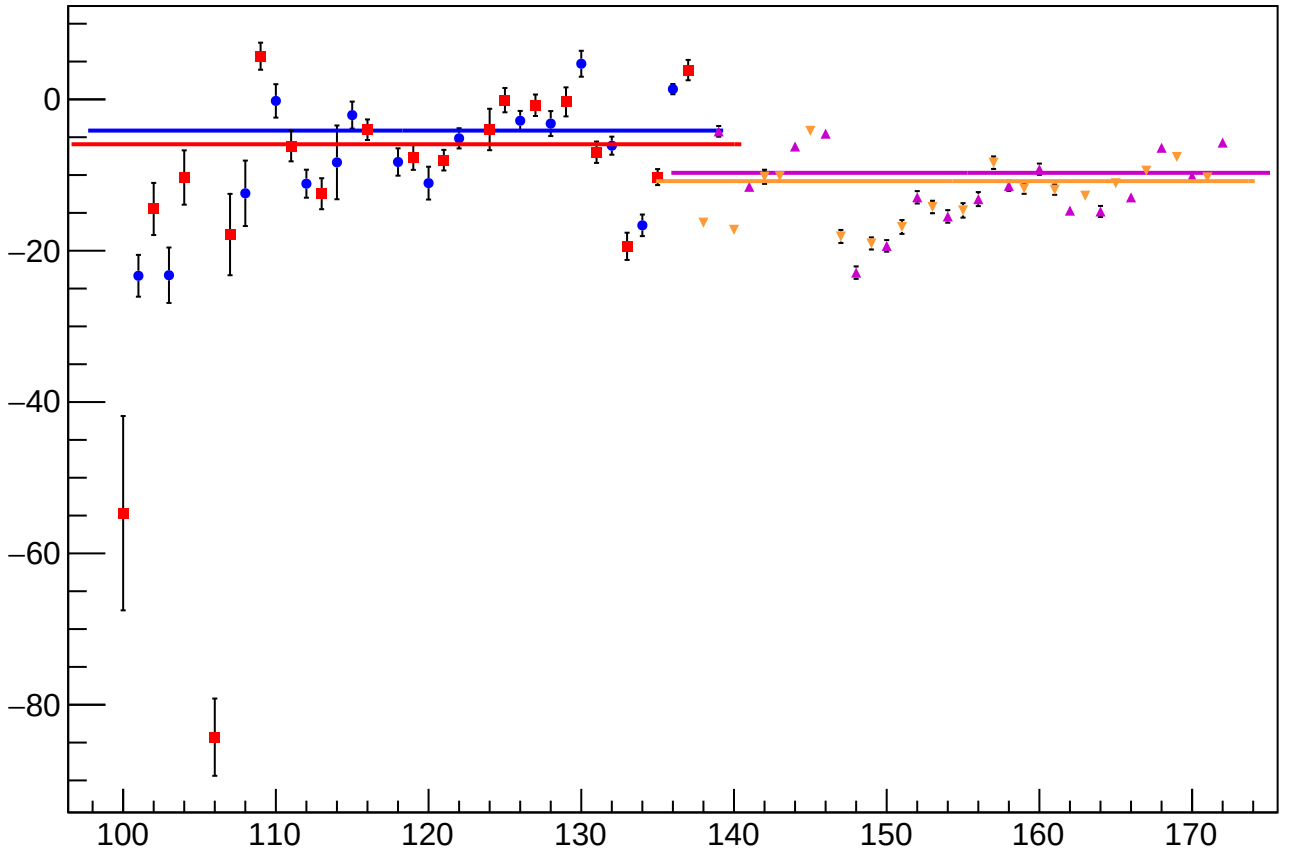
Left: -0.094+/-0.002 χ^2/NDF: 607.4/34

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.102+/-0.003 χ^2/NDF:1217.5/32

Out: -0.107+/-0.003 χ^2/NDF:1349.8/36

All: -0.104+/-0.002 χ^2/NDF: 2568.6/69



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -10.804+/-0.138 χ^2/NDF:870.5/17

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -9.706+/-0.135 χ^2/NDF:1130.3/16

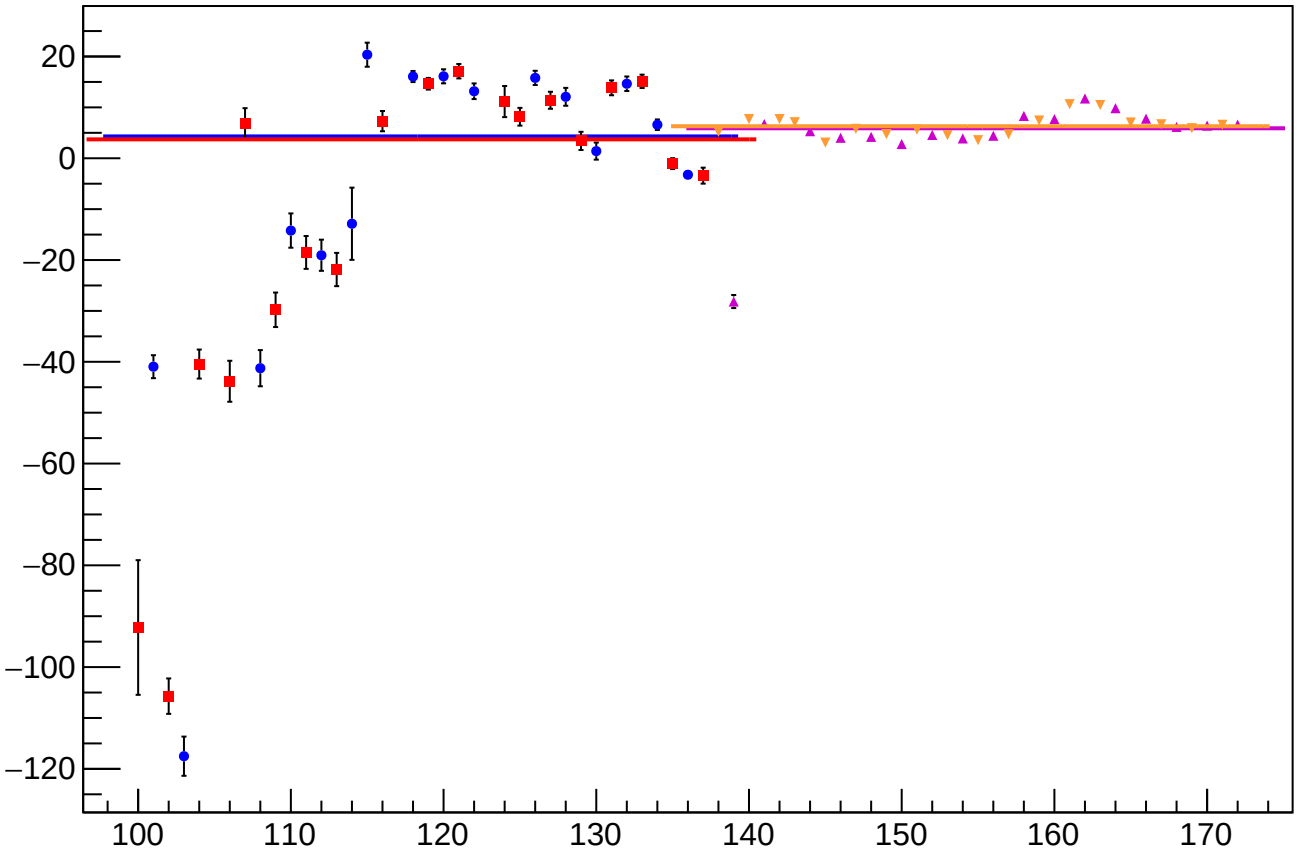
Left: -10.240+/-0.096 χ^2/NDF: 2033.3/34

Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -9.089+/-0.127 χ^2/NDF:1608.4/32

Out: -10.301+/-0.131 χ^2/NDF:1481.3/36

All: -9.676+/-0.091 χ^2/NDF: 3133.9/69



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 6.293+/-0.100 χ^2/NDF:369.9/17

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 5.892+/-0.096 χ^2/NDF:1134.7/16

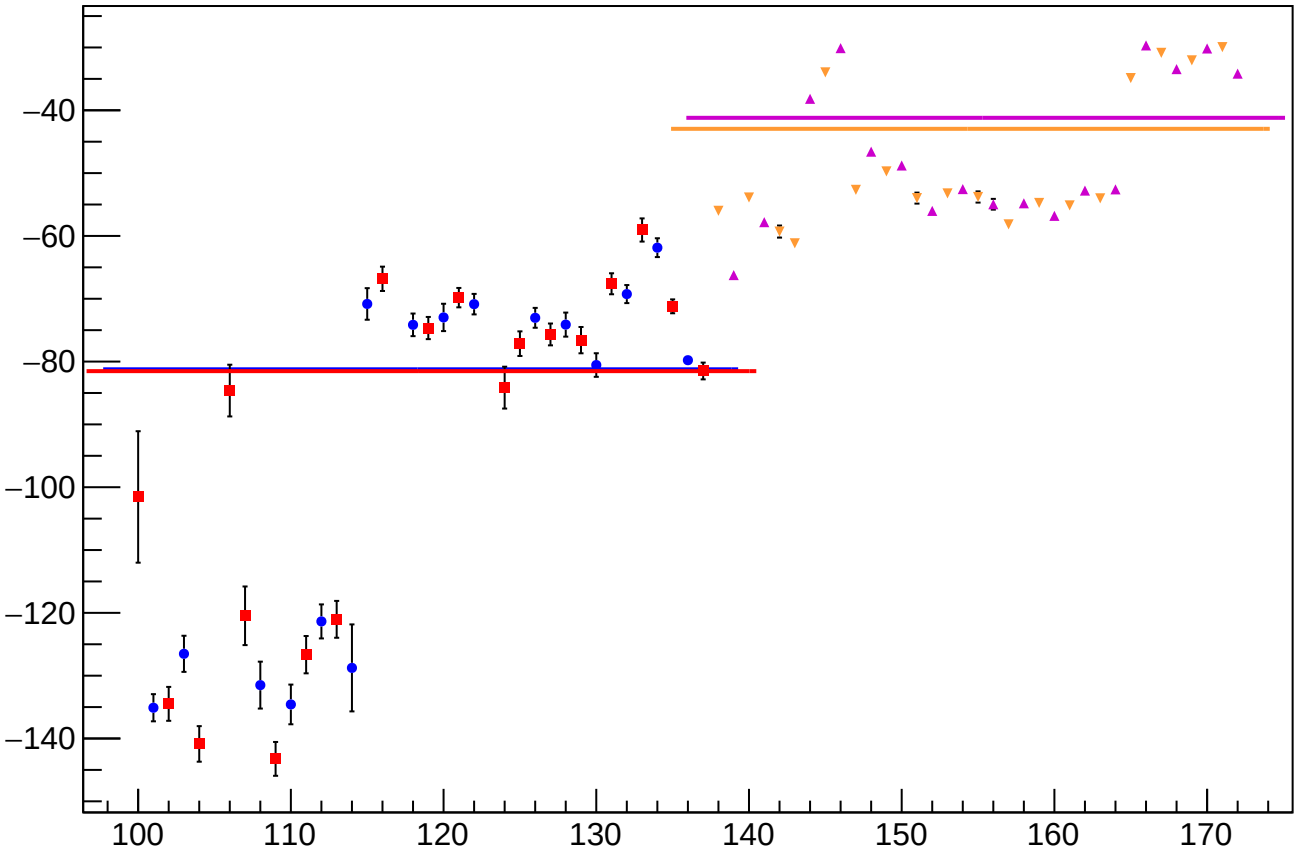
Left: 6.086+/-0.069 χ^2/NDF: 1512.8/34

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 5.798+/-0.094 χ^2/NDF:3320.0/32

Out: 6.156+/-0.097 χ^2/NDF:2412.3/36

All: 5.970+/-0.067 χ^2/NDF: 5739.4/69



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -42.949+/-0.137 χ^2/NDF:7100.8/17

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -41.198+/-0.133 χ^2/NDF:7345.2/16

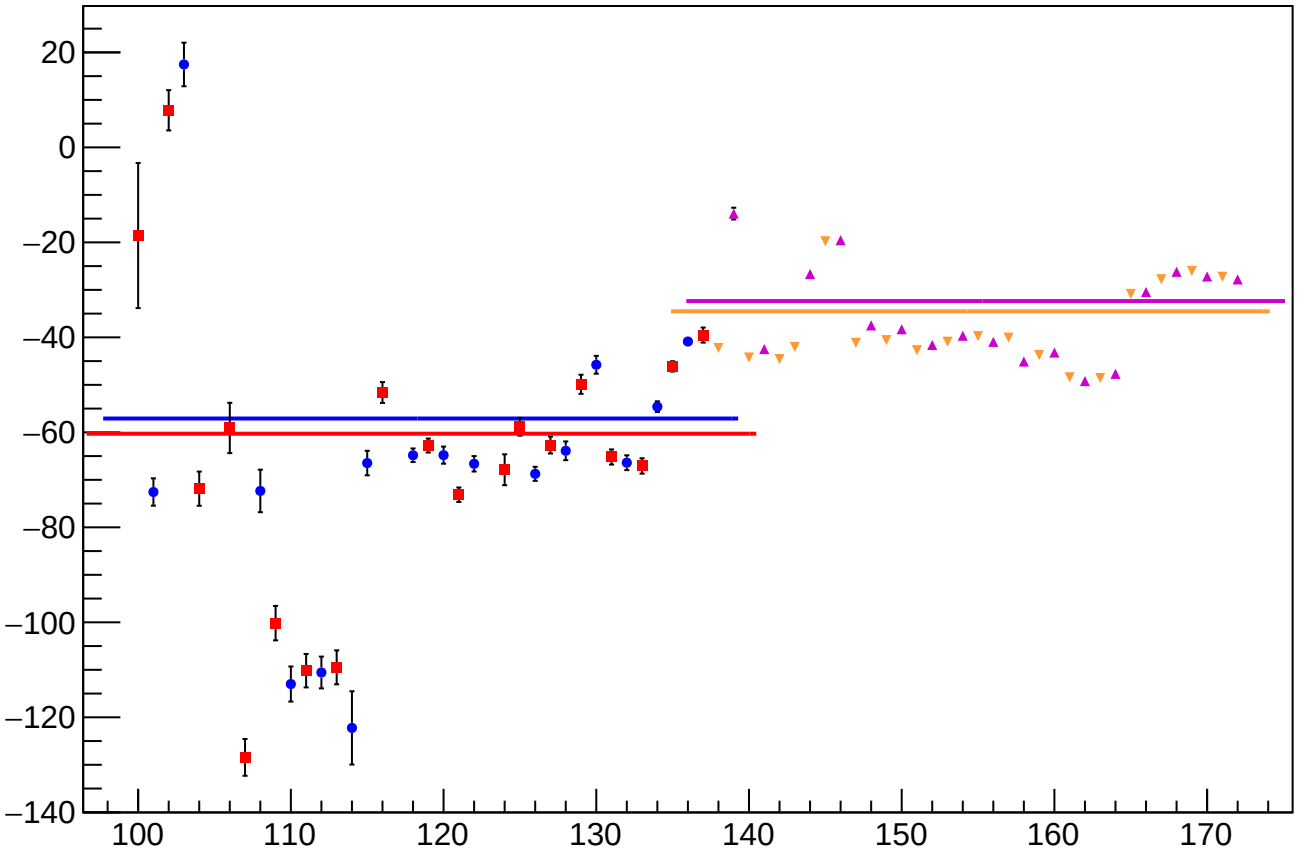
Left: -42.045+/-0.096 χ^2/NDF: 14529.8/34

Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -44.898+/-0.127 χ^2/NDF:17687.6/32

Out: -46.091+/-0.132 χ^2/NDF:15808.3/36

All: -45.471+/-0.091 χ^2/NDF: 33538.5/69



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -34.516+/-0.113 χ^2/NDF:6773.1/17

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: -33.408+/-0.079 χ^2/NDF: 13904.5/34

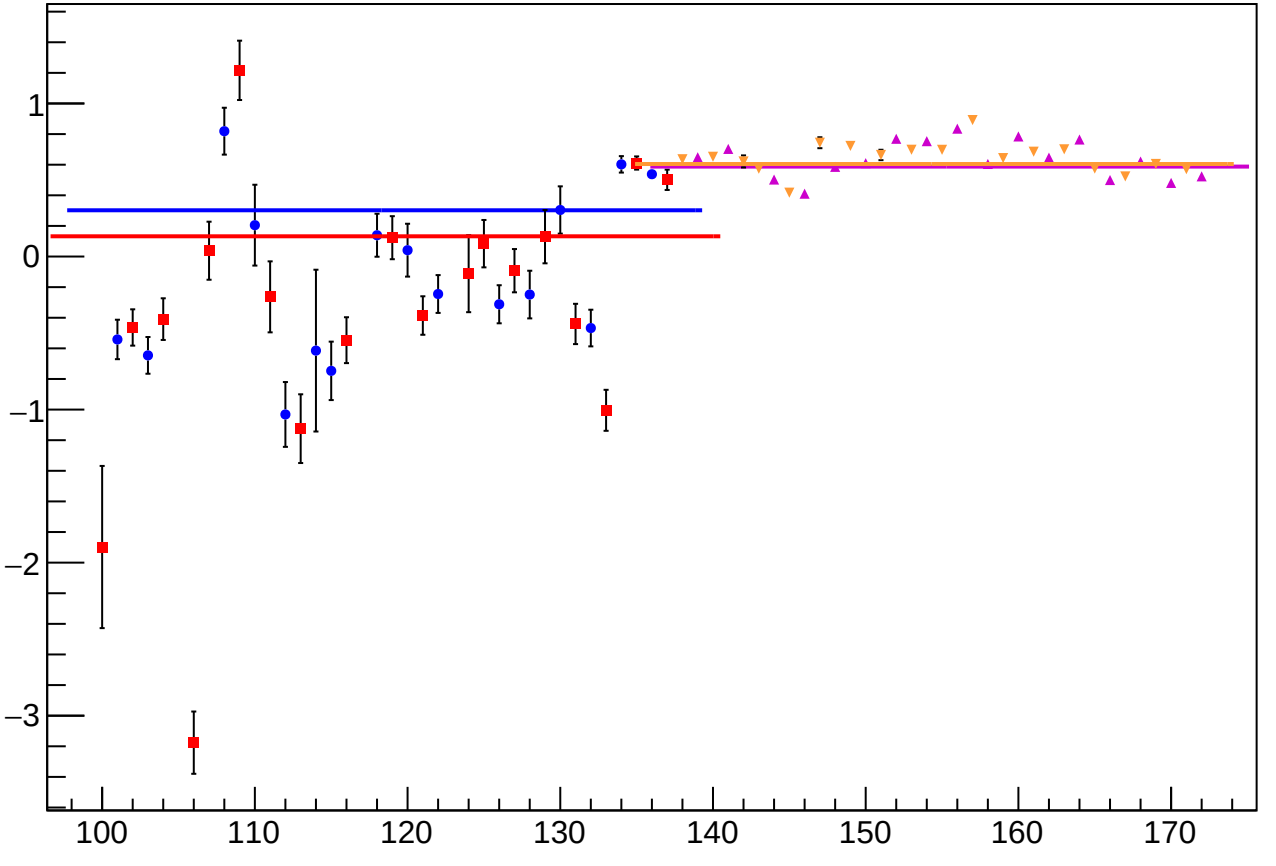
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -33.915+/-0.107 χ^2/NDF:11634.2/32

Out: -35.936+/-0.110 χ^2/NDF:11201.6/36

All: -34.893+/-0.077 χ^2/NDF: 23009.0/69

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: 0.604+/-0.005 χ^2/NDF:422.4/17

Right Out: 0.132+/-0.027 χ^2/NDF: 672.5/18

Left In: 0.588+/-0.005 χ^2/NDF:539.7/16

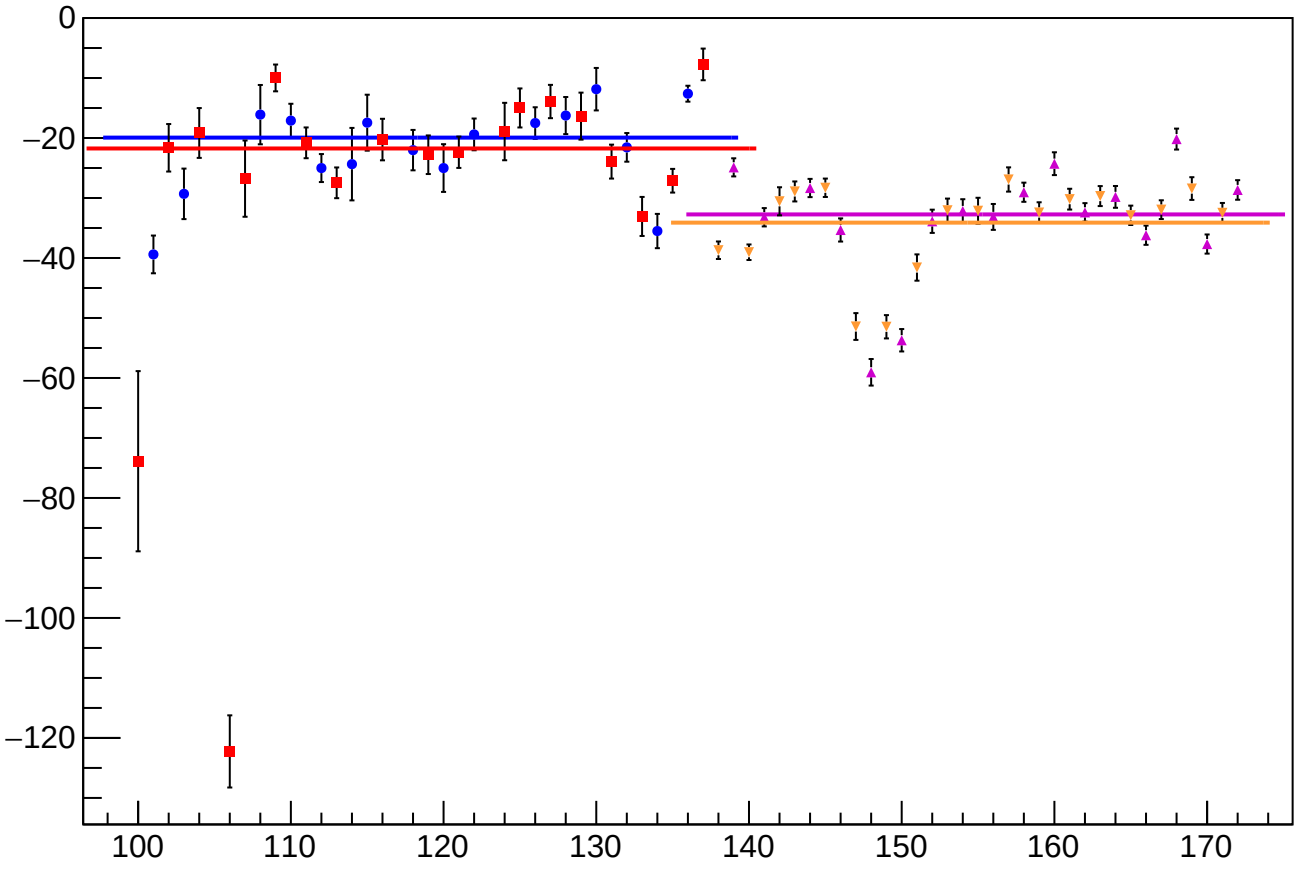
Left: 0.596+/-0.004 χ^2/NDF: 967.7/34

Right: 0.229+/-0.017 χ^2/NDF: 1070.8/34

In: 0.575+/-0.005 χ^2/NDF:1062.3/32

Out: 0.588+/-0.005 χ^2/NDF:1401.2/36

All: 0.581+/-0.003 χ^2/NDF: 2466.9/69



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -34.107+/-0.412 χ^2/NDF:242.6/17

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -32.738+/-0.419 χ^2/NDF:405.3/16

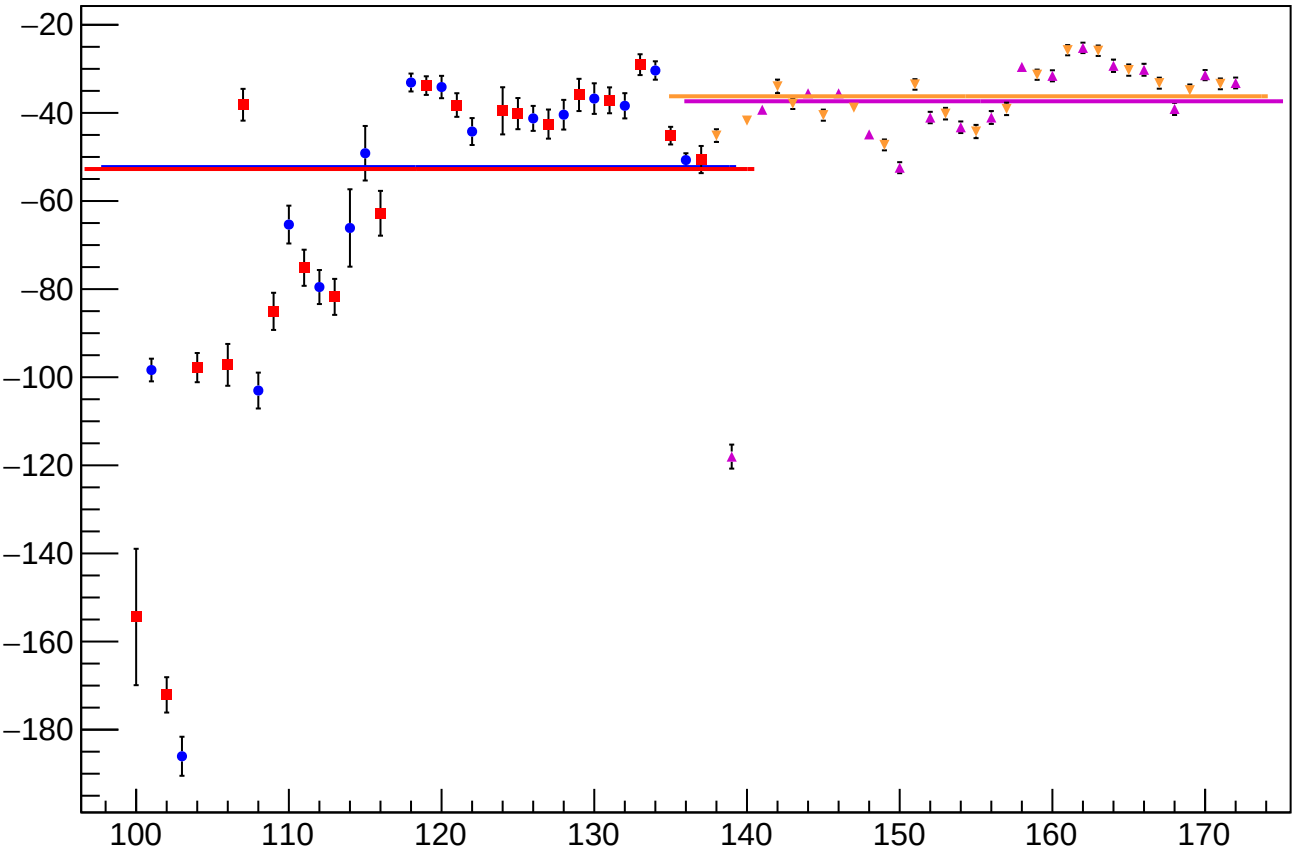
Left: -33.435+/-0.294 χ^2/NDF: 653.4/34

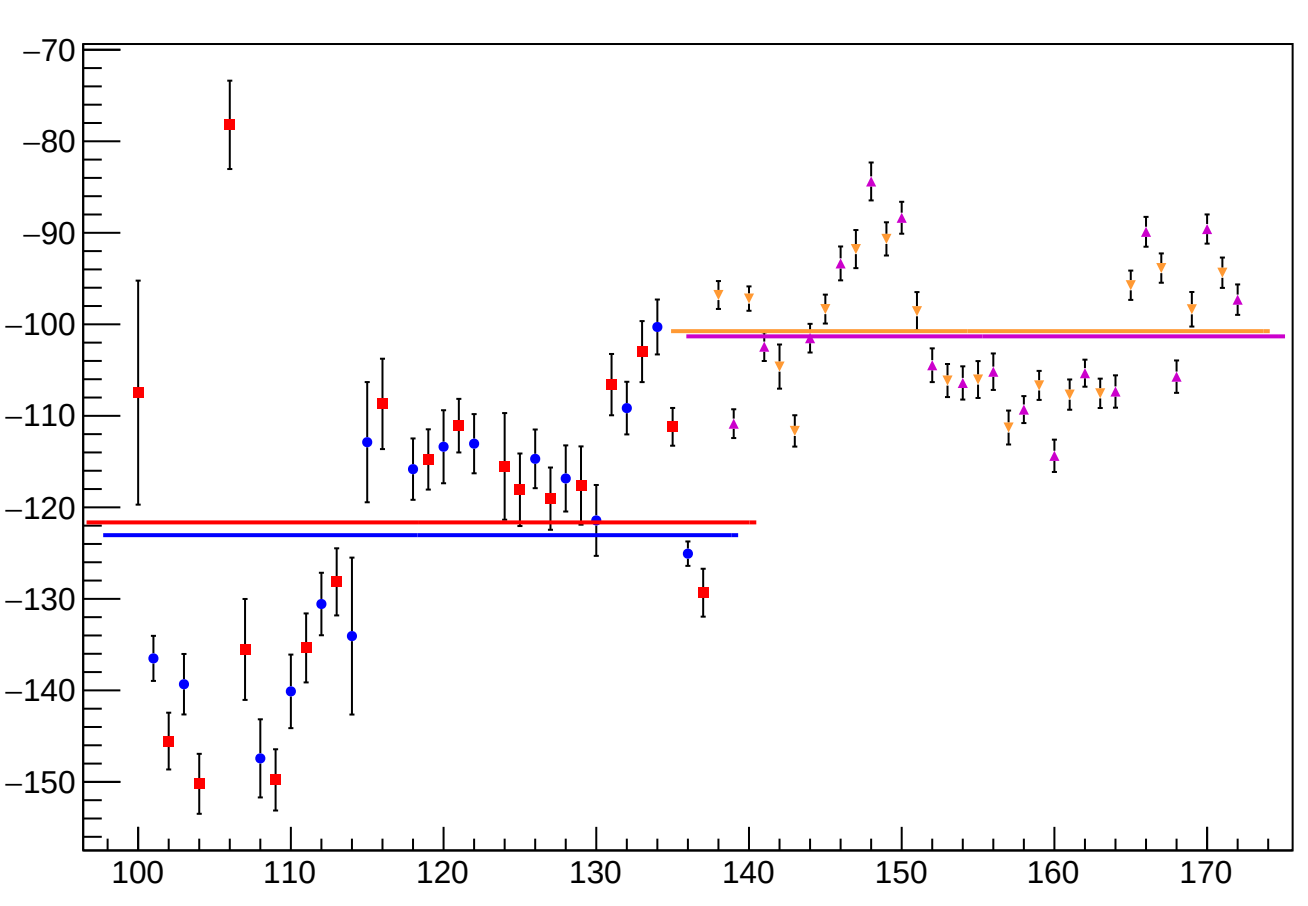
Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -29.317+/-0.359 χ^2/NDF:774.8/32

Out: -31.021+/-0.357 χ^2/NDF:856.1/36

All: -30.175+/-0.253 χ^2/NDF: 1642.2/69


reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
−160
−180
100
110
120
130
140
150
160
170
Right In: -52.296+/-0.708 χ²/NDF: 1778.2/15
Left Out: -36.224+/-0.294 χ²/NDF:421.0/17
Right Out: -52.737+/-0.748 χ²/NDF: 1662.5/18
Left In: -37.358+/-0.303 χ²/NDF:1392.2/16
Left: -36.773+/-0.211 χ²/NDF: 1820.4/34
Right: -52.505+/-0.514 χ²/NDF: 3440.9/34
In: -39.673+/-0.279 χ²/NDF:3546.5/32
Out: -38.430+/-0.273 χ²/NDF:2505.5/36
All: -39.040+/-0.195 χ²/NDF: 6062.1/69



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -100.747+/-0.405 χ^2/NDF:252.0/17

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: -101.316+/-0.411 χ^2/NDF:410.7/16

Left: -101.028+/-0.288 χ^2/NDF: 663.7/34

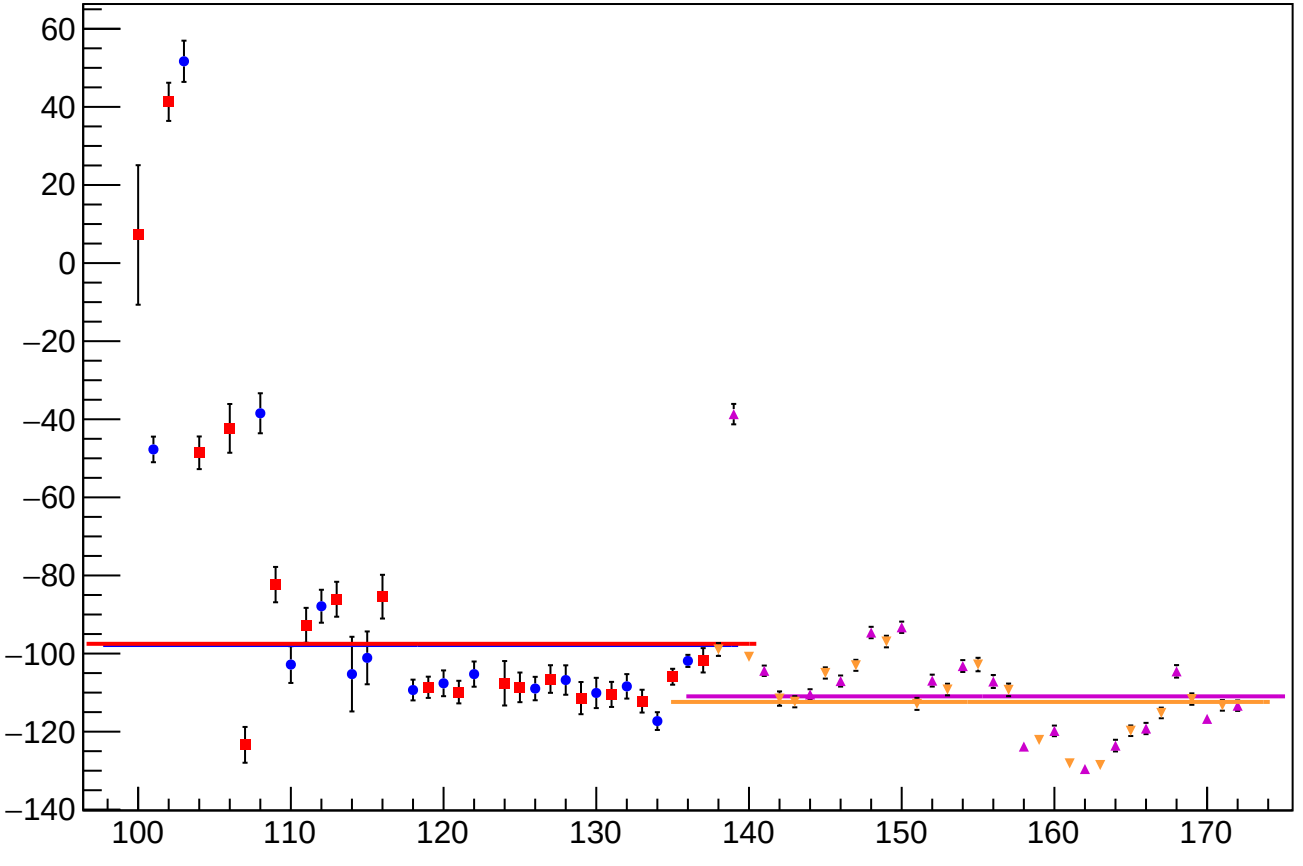
Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -106.325+/-0.360 χ^2/NDF:1283.0/32

Out: -105.004+/-0.362 χ^2/NDF:1218.3/36

All: -105.667+/-0.255 χ^2/NDF: 2508.0/69

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: -112.388+/-0.336 χ^2/NDF:792.2/17

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -110.960+/-0.344 χ^2/NDF:1651.6/16

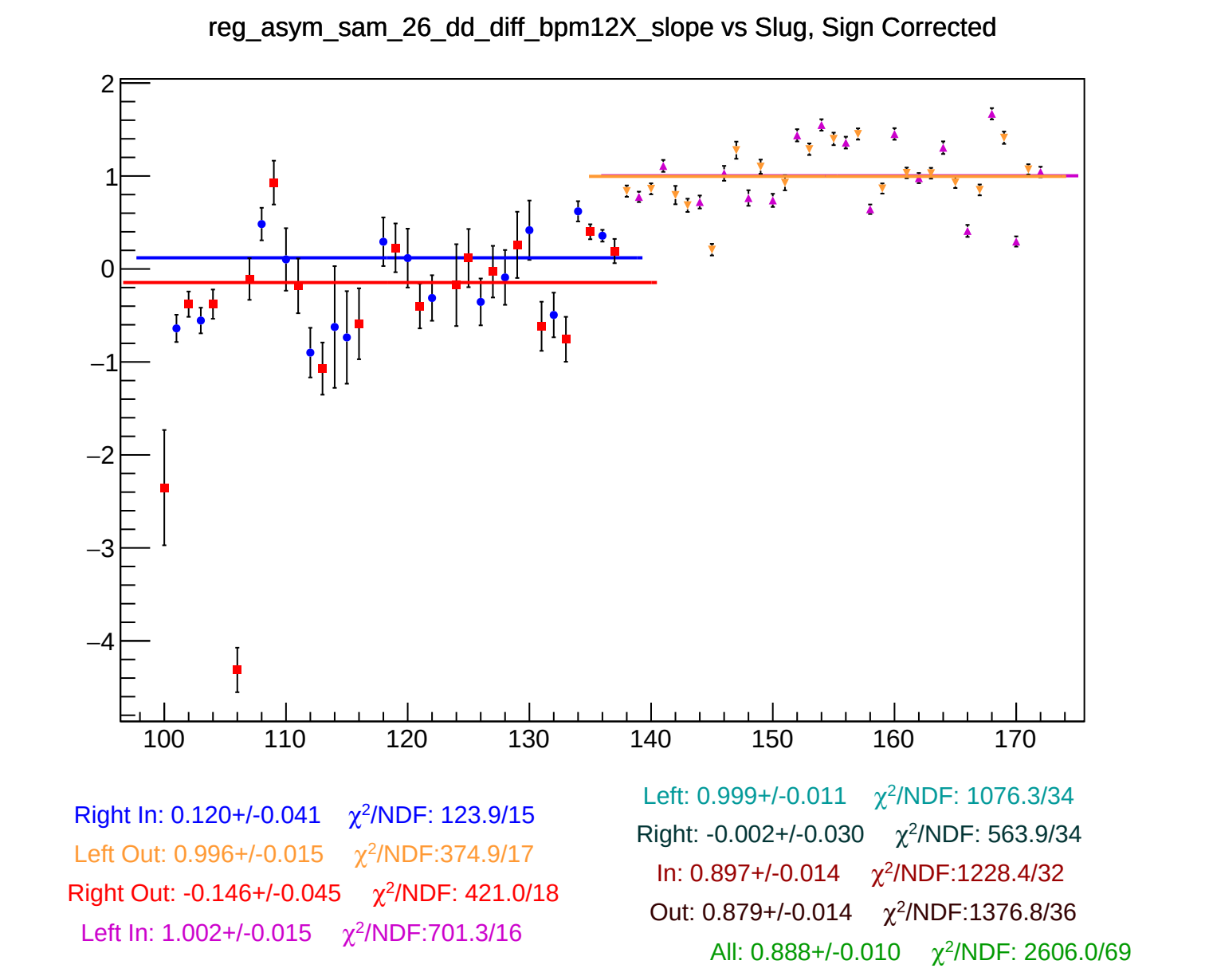
Left: -111.691+/-0.241 χ^2/NDF: 2452.6/34

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

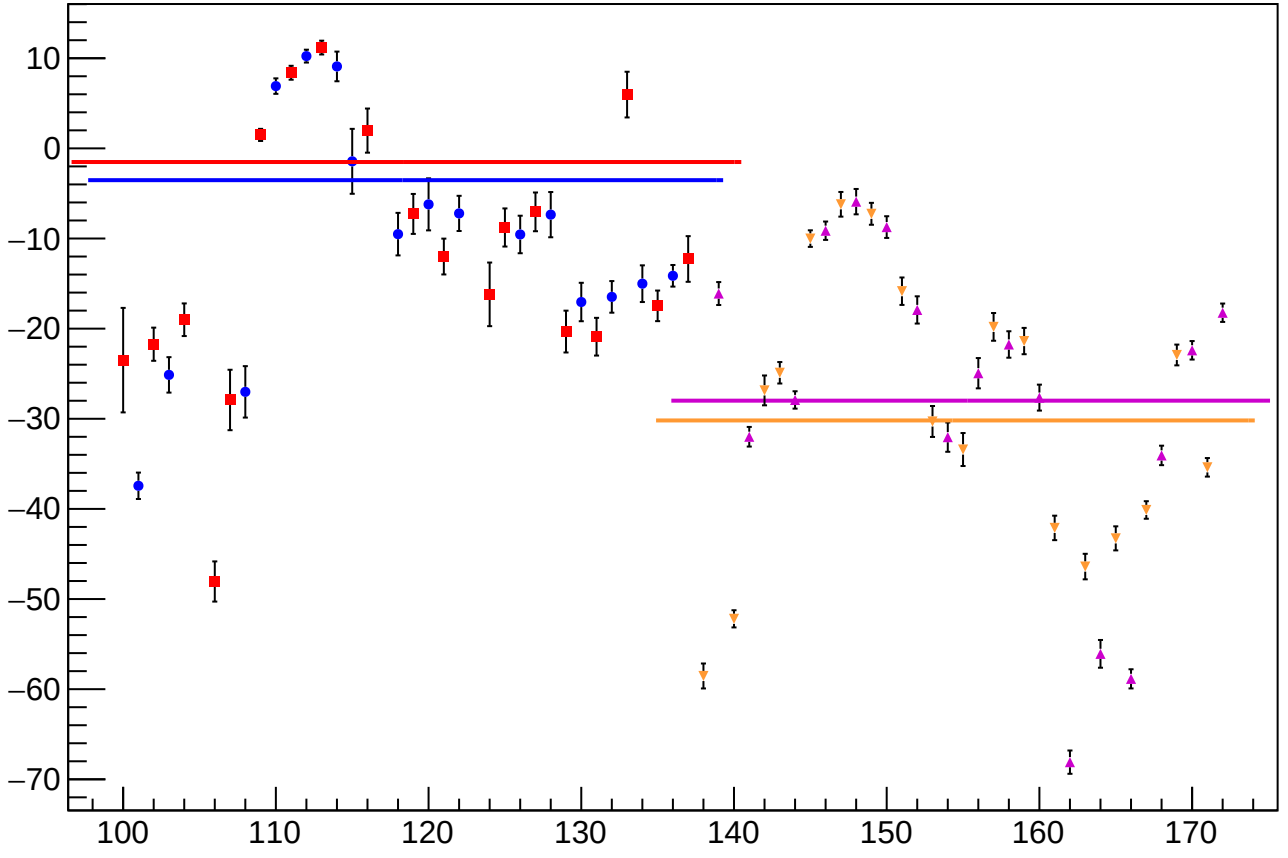
In: -108.875+/-0.316 χ^2/NDF:3213.6/32

Out: -110.343+/-0.312 χ^2/NDF:2297.8/36

All: -109.617+/-0.222 χ^2/NDF: 5522.3/69


reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: 0.120+/-0.041 χ²/NDF: 123.9/15
Left Out: 0.996+/-0.015 χ²/NDF:374.9/17
Right Out: -0.146+/-0.045 χ²/NDF: 421.0/18
Left In: 1.002+/-0.015 χ²/NDF:701.3/16
Left: 0.999+/-0.011 χ²/NDF: 1076.3/34
Right: -0.002+/-0.030 χ²/NDF: 563.9/34
In: 0.897+/-0.014 χ²/NDF:1228.4/32
Out: 0.879+/-0.014 χ²/NDF:1376.8/36
All: 0.888+/-0.010 χ²/NDF: 2606.0/69

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -30.186+/-0.296 χ^2/NDF:2766.6/17

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: -29.084+/-0.209 χ^2/NDF: 6102.1/34

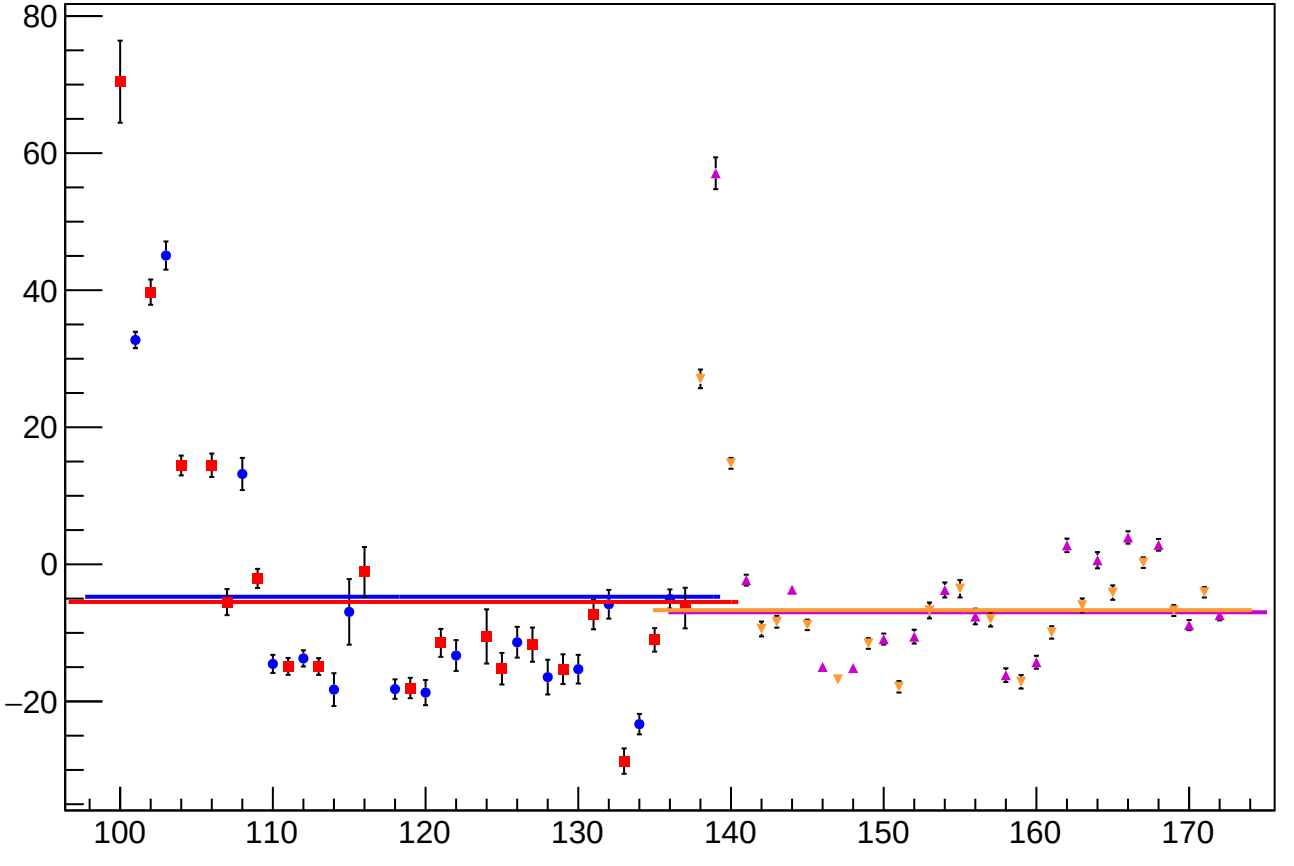
Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -18.690+/-0.232 χ^2/NDF:7450.1/32

Out: -17.750+/-0.223 χ^2/NDF:8355.7/36

All: -18.201+/-0.161 χ^2/NDF: 15814.3/69

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -6.682+/-0.209 χ^2/NDF:2072.3/17

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: -6.838+/-0.148 χ^2/NDF: 3818.3/34

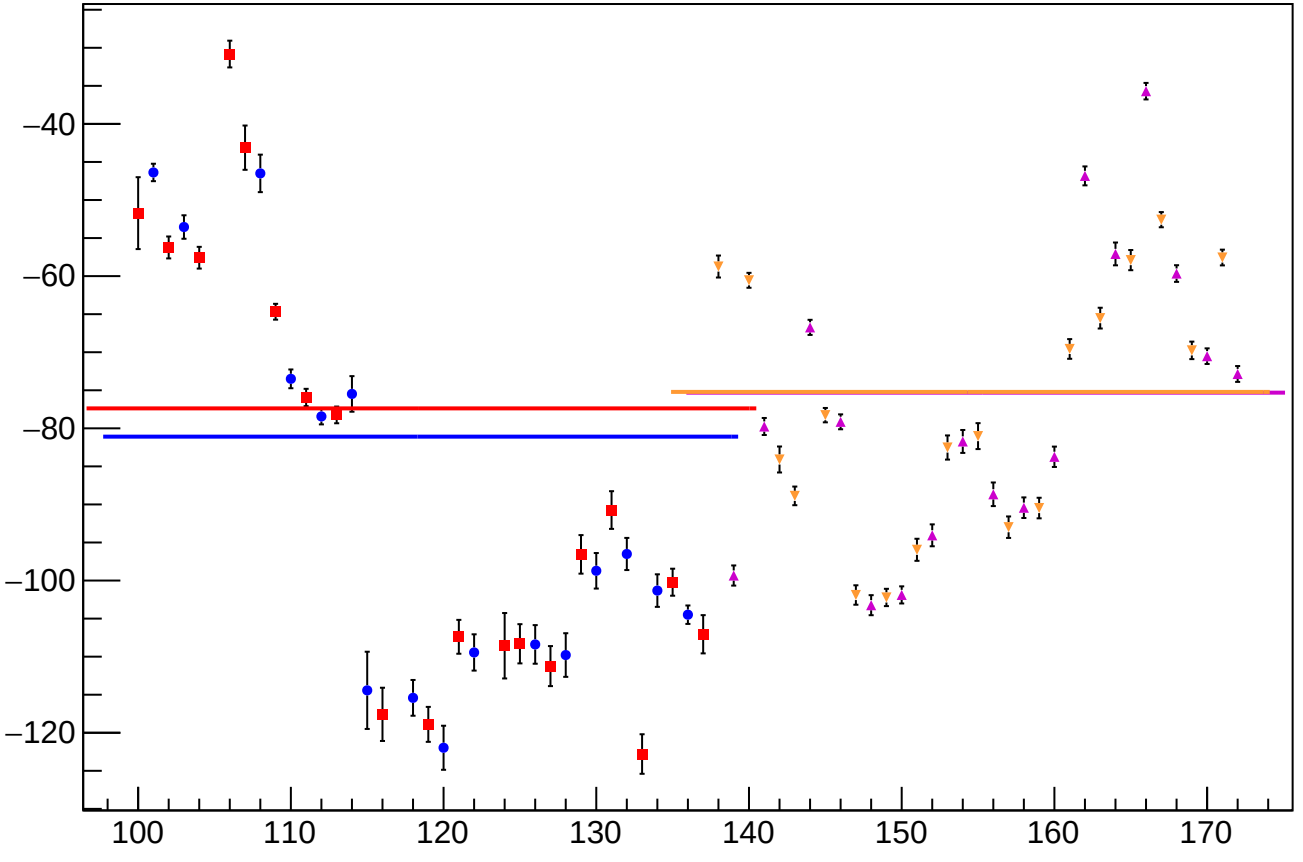
Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -6.561+/-0.189 χ^2/NDF:3915.3/32

Out: -6.448+/-0.187 χ^2/NDF:3587.2/36

All: -6.504+/-0.133 χ^2/NDF: 7502.7/69

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -75.213+/-0.292 χ^2/NDF:3108.6/17

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: -75.262+/-0.206 χ^2/NDF: 7215.4/34

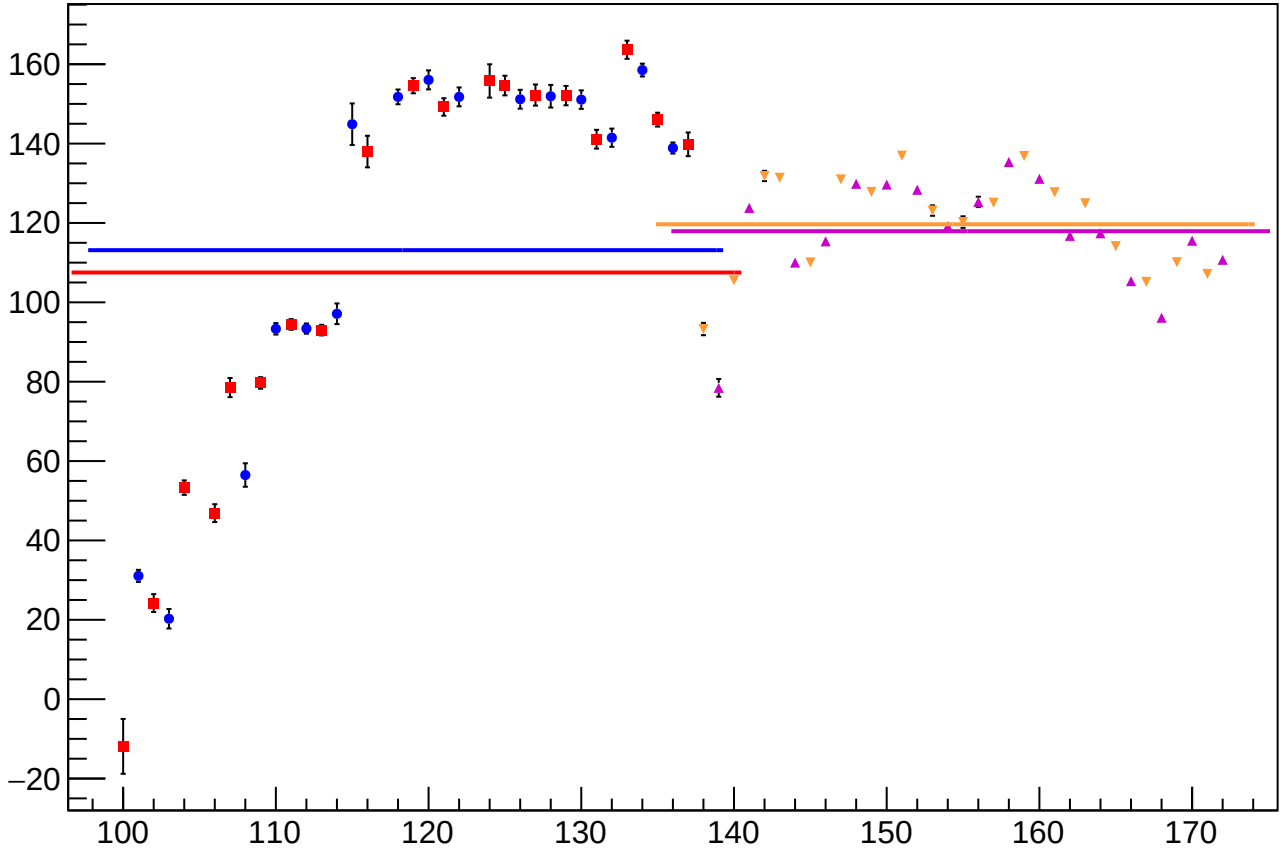
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -77.071+/-0.242 χ^2/NDF:7098.0/32

Out: -75.927+/-0.239 χ^2/NDF:6256.3/36

All: -76.493+/-0.170 χ^2/NDF: 13365.7/69

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: 119.662+/-0.241 χ^2/NDF:2404.0/17

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 117.927+/-0.241 χ^2/NDF:2063.3/16

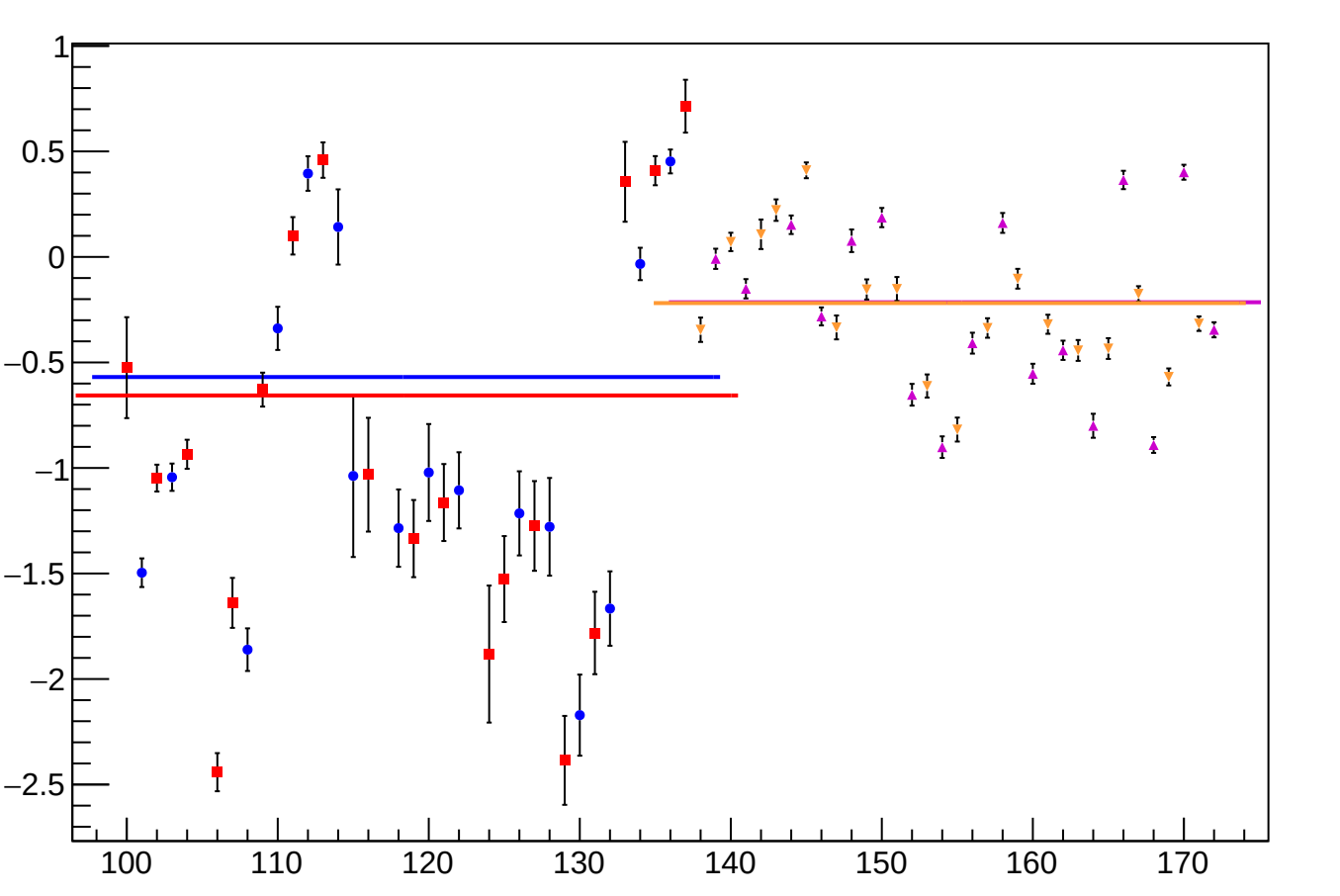
Left: 118.795+/-0.171 χ^2/NDF: 4493.2/34

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 116.990+/-0.216 χ^2/NDF:10344.4/32

Out: 117.206+/-0.216 χ^2/NDF:10460.3/36

All: 117.099+/-0.153 χ^2/NDF: 20805.2/69



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.219+/-0.011 χ^2/NDF:741.5/17

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: -0.217+/-0.008 χ^2/NDF: 2276.2/34

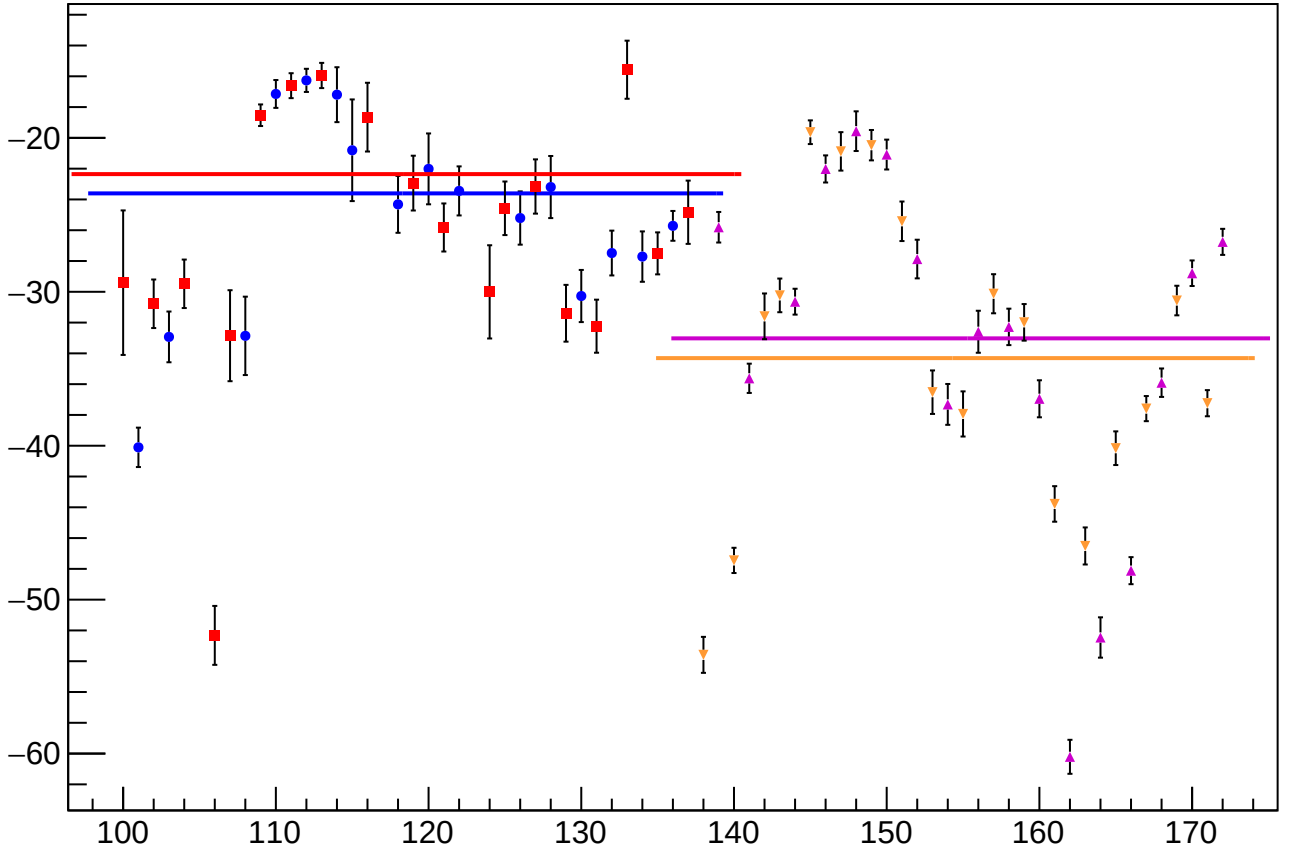
Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.268+/-0.010 χ^2/NDF:2792.4/32

Out: -0.289+/-0.010 χ^2/NDF:2310.1/36

All: -0.278+/-0.007 χ^2/NDF: 5104.6/69

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -34.309+/-0.250 χ^2/NDF:1534.7/17

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: -33.660+/-0.176 χ^2/NDF: 3283.2/34

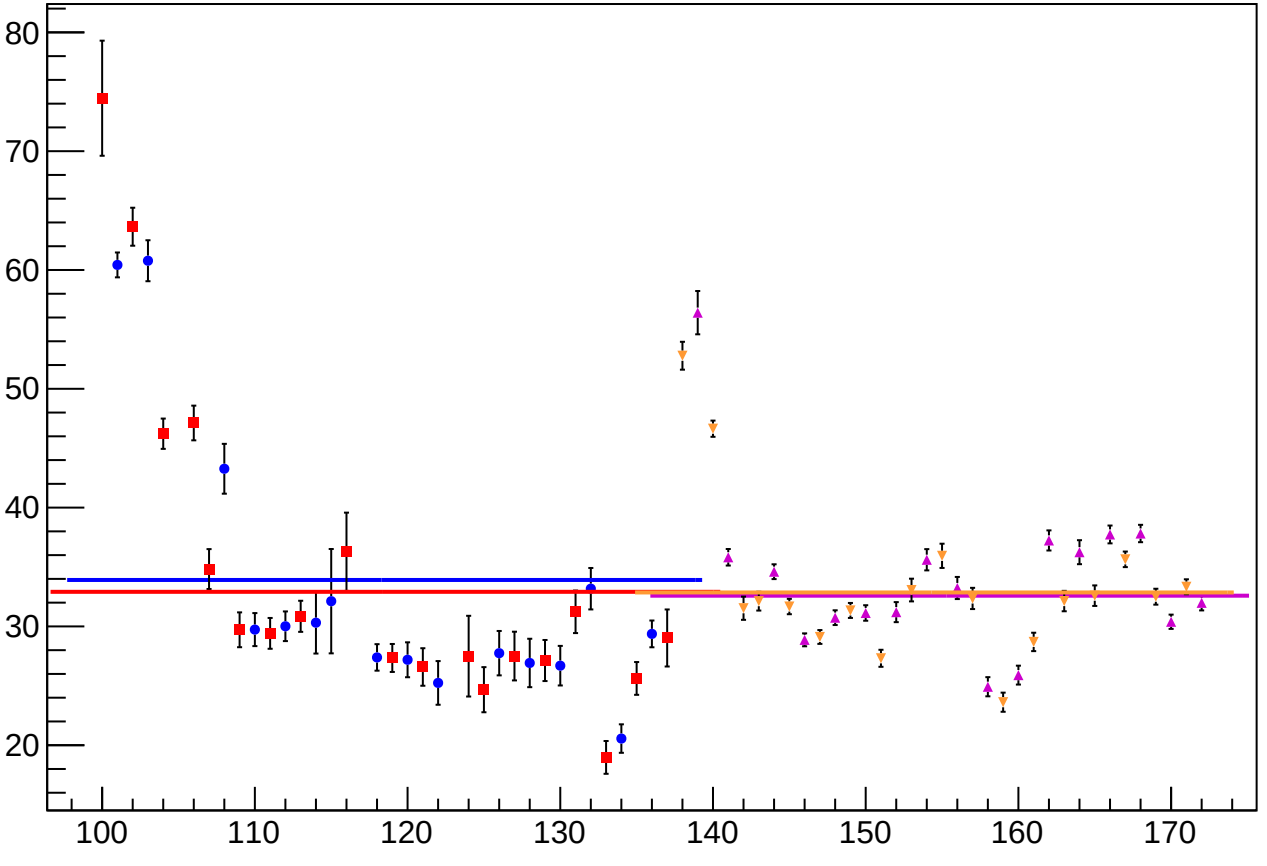
Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -29.868+/-0.202 χ^2/NDF:2627.8/32

Out: -29.810+/-0.197 χ^2/NDF:2947.3/36

All: -29.839+/-0.141 χ^2/NDF: 5575.2/69

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 32.858+/-0.178 χ^2/NDF:999.4/17

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 32.586+/-0.178 χ^2/NDF:595.4/16

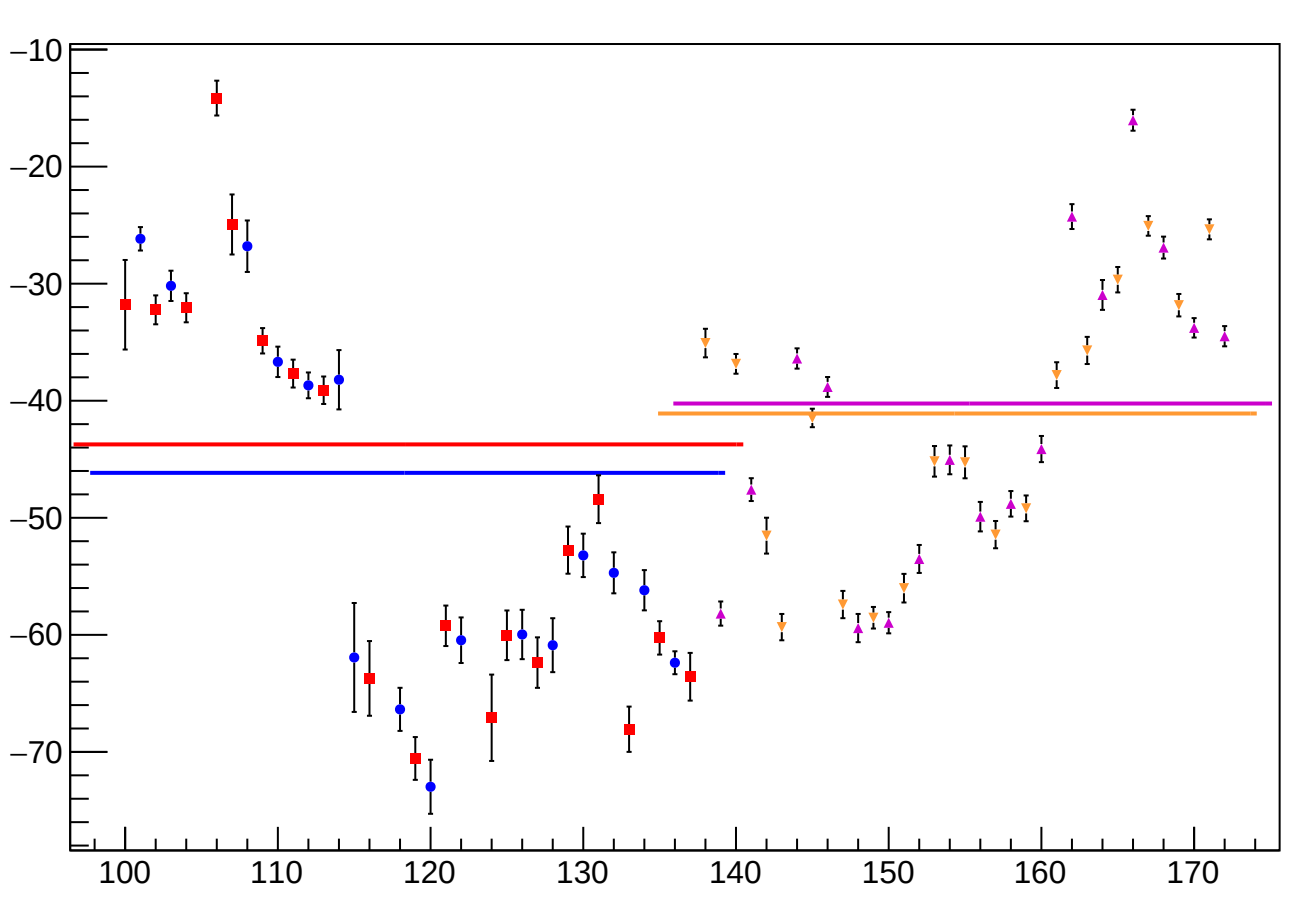
Left: 32.722+/-0.126 χ^2/NDF: 1595.9/34

Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 32.830+/-0.161 χ^2/NDF:1789.9/32

Out: 32.868+/-0.161 χ^2/NDF:1874.4/36

All: 32.849+/-0.114 χ^2/NDF: 3664.3/69



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -41.091+/-0.246 χ^2/NDF:2155.3/17

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -40.238+/-0.243 χ^2/NDF:2648.0/16

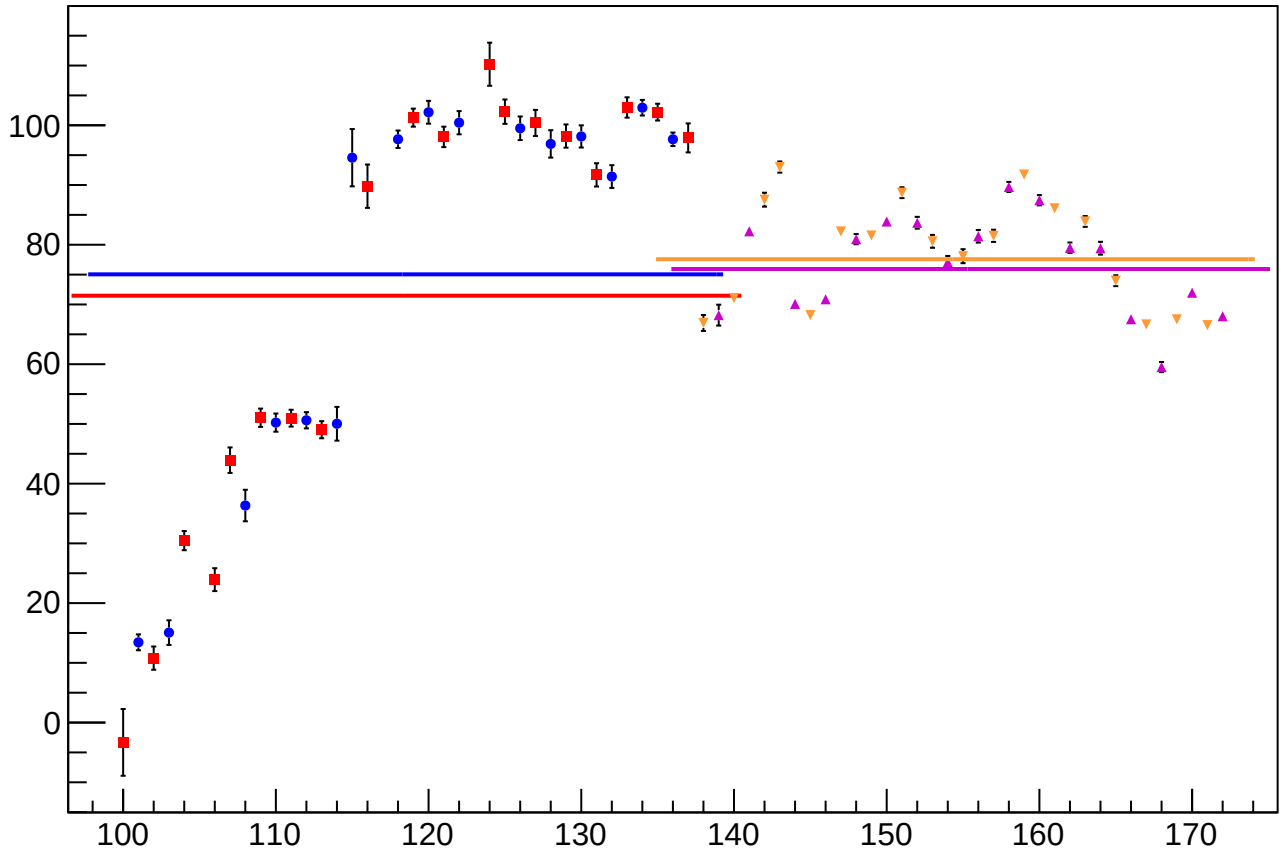
Left: -40.659+/-0.173 χ^2/NDF: 4809.4/34

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -41.896+/-0.206 χ^2/NDF:4303.8/32

Out: -41.877+/-0.206 χ^2/NDF:3852.8/36

All: -41.887+/-0.146 χ^2/NDF: 8156.6/69



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 77.581+/-0.204 χ^2/NDF:1984.8/17

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 75.936+/-0.204 χ^2/NDF:1551.0/16

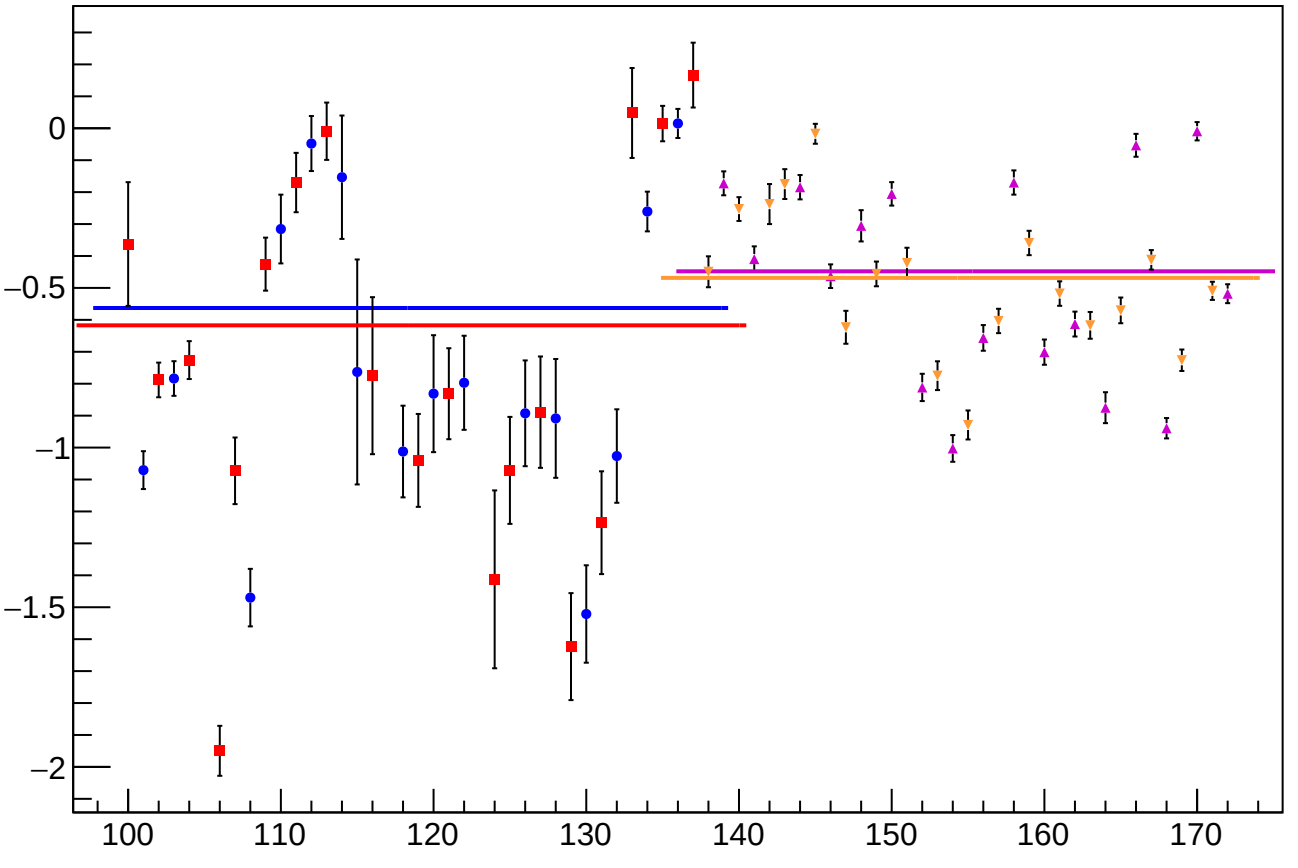
Left: 76.756+/-0.144 χ^2/NDF: 3568.4/34

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 75.771+/-0.184 χ^2/NDF:7382.9/32

Out: 76.436+/-0.184 χ^2/NDF:7780.6/36

All: 76.103+/-0.130 χ^2/NDF: 15170.1/69



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.469+/-0.009 χ^2/NDF:560.8/17

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.448+/-0.009 χ^2/NDF:1219.0/16

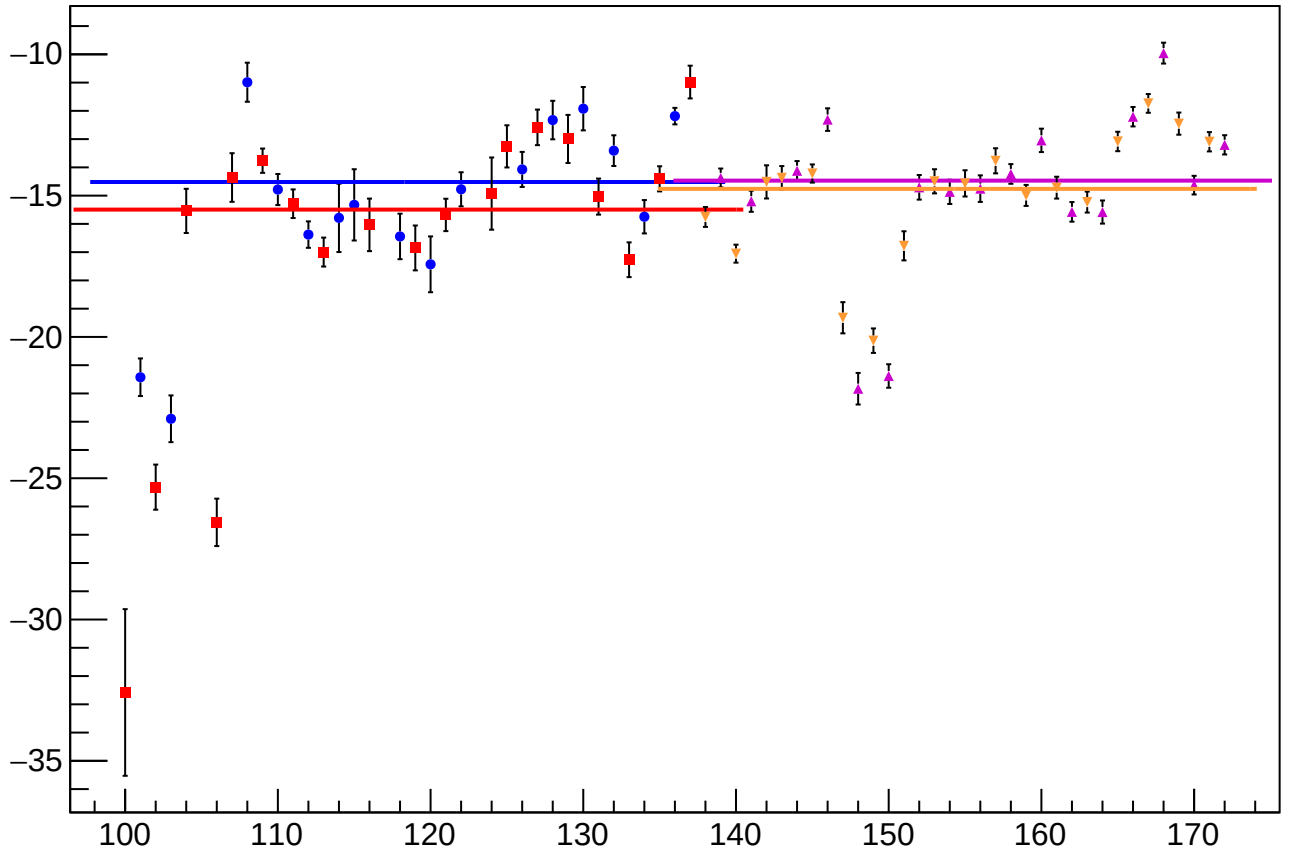
Left: -0.458+/-0.006 χ^2/NDF: 1782.3/34

Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.464+/-0.008 χ^2/NDF:1734.9/32

Out: -0.490+/-0.009 χ^2/NDF:1289.1/36

All: -0.477+/-0.006 χ^2/NDF: 3028.8/69



Right In: -14.518+/-0.149 χ^2/NDF: 363.3/15

Left Out: -14.761+/-0.092 χ^2/NDF:474.1/17

Right Out: -15.494+/-0.150 χ^2/NDF: 503.8/18

Left In: -14.469+/-0.092 χ^2/NDF:722.0/16

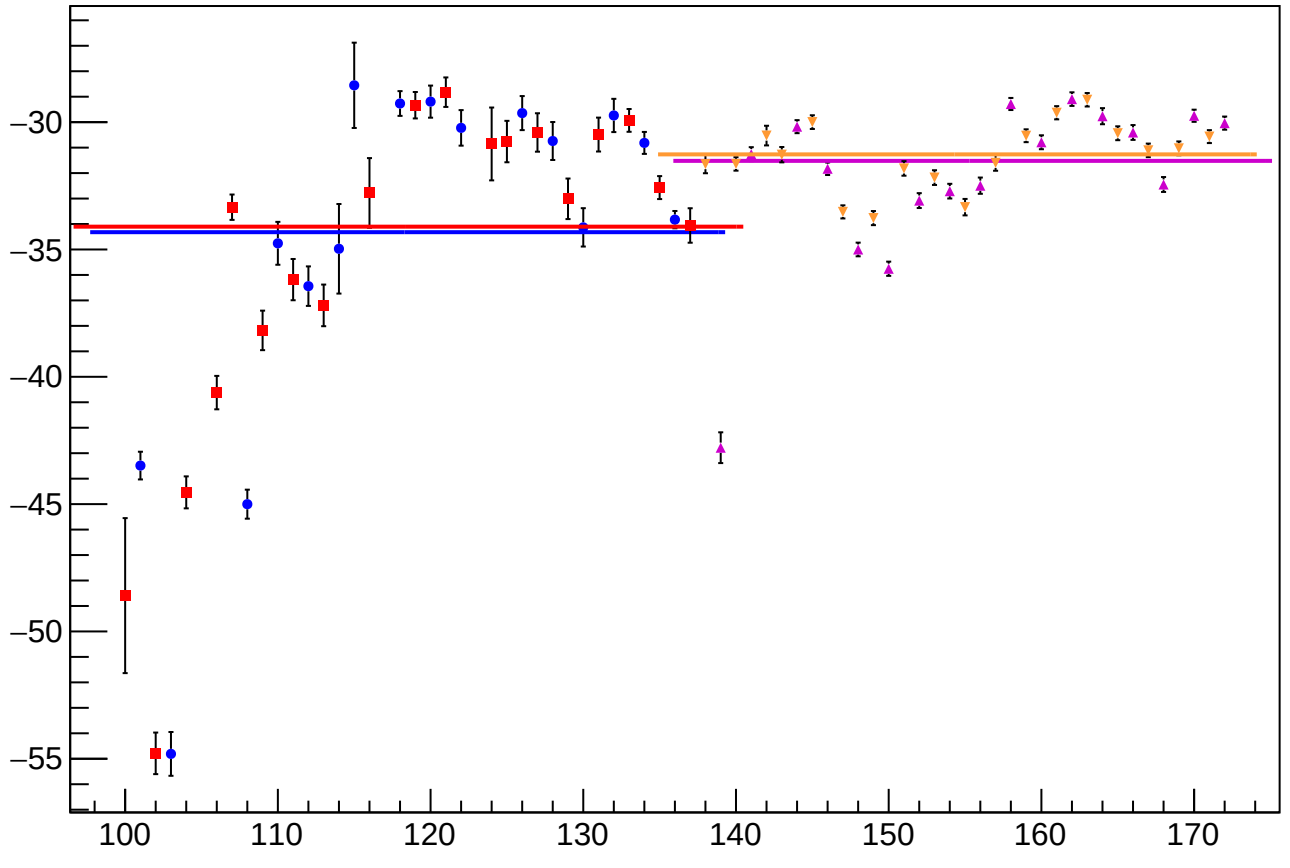
Left: -14.615+/-0.065 χ^2/NDF: 1201.1/34

Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.482+/-0.079 χ^2/NDF:1085.4/32

Out: -14.962+/-0.079 χ^2/NDF:995.3/36

All: -14.722+/-0.056 χ^2/NDF: 2099.3/69



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.265+/-0.066 χ^2/NDF:375.3/17

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -31.520+/-0.068 χ^2/NDF:1151.4/16

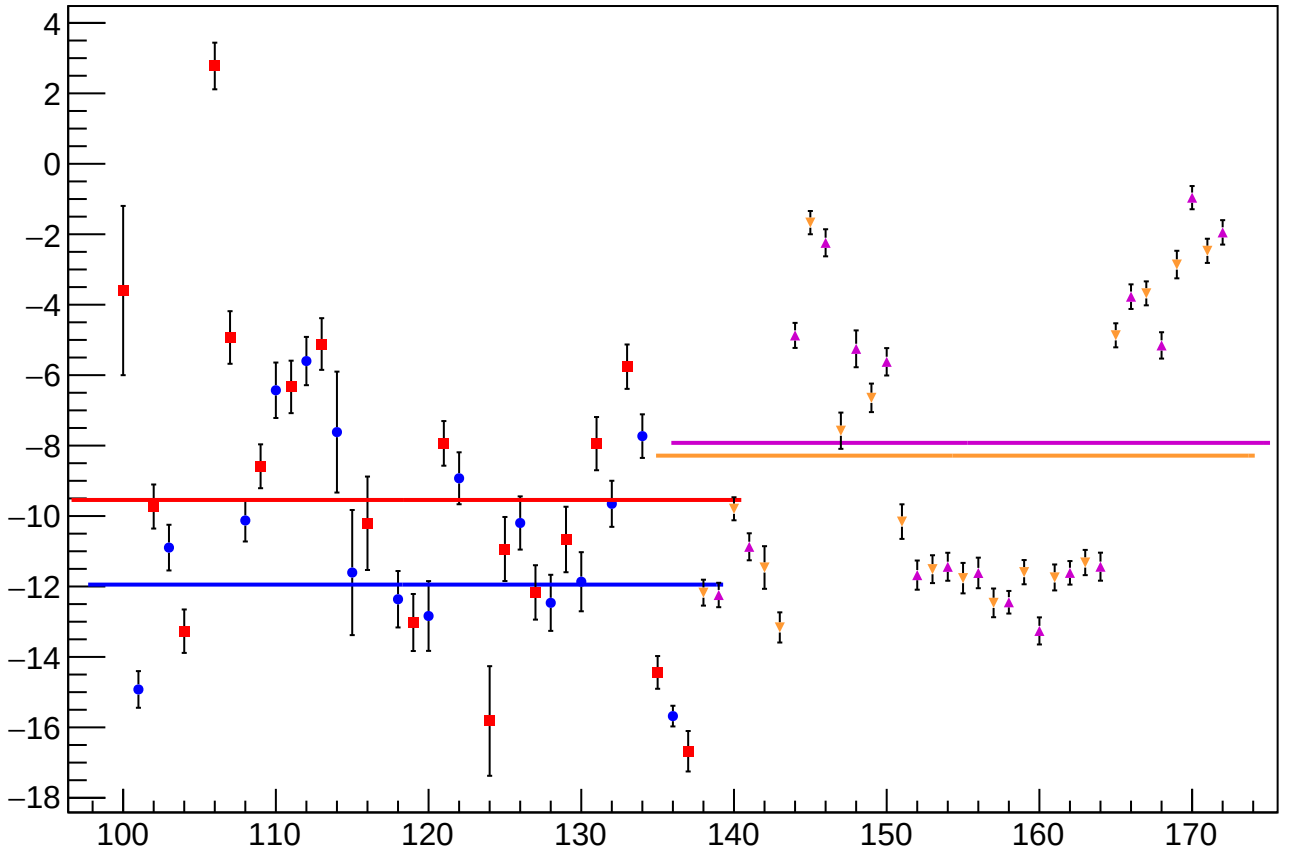
Left: -31.390+/-0.047 χ^2/NDF: 1534.0/34

Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -31.976+/-0.062 χ^2/NDF:3051.5/32

Out: -31.709+/-0.061 χ^2/NDF:2096.3/36

All: -31.840+/-0.043 χ^2/NDF: 5157.3/69



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -8.285+/-0.091 χ^2/NDF:1976.1/17

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: -8.104+/-0.064 χ^2/NDF: 4314.8/34

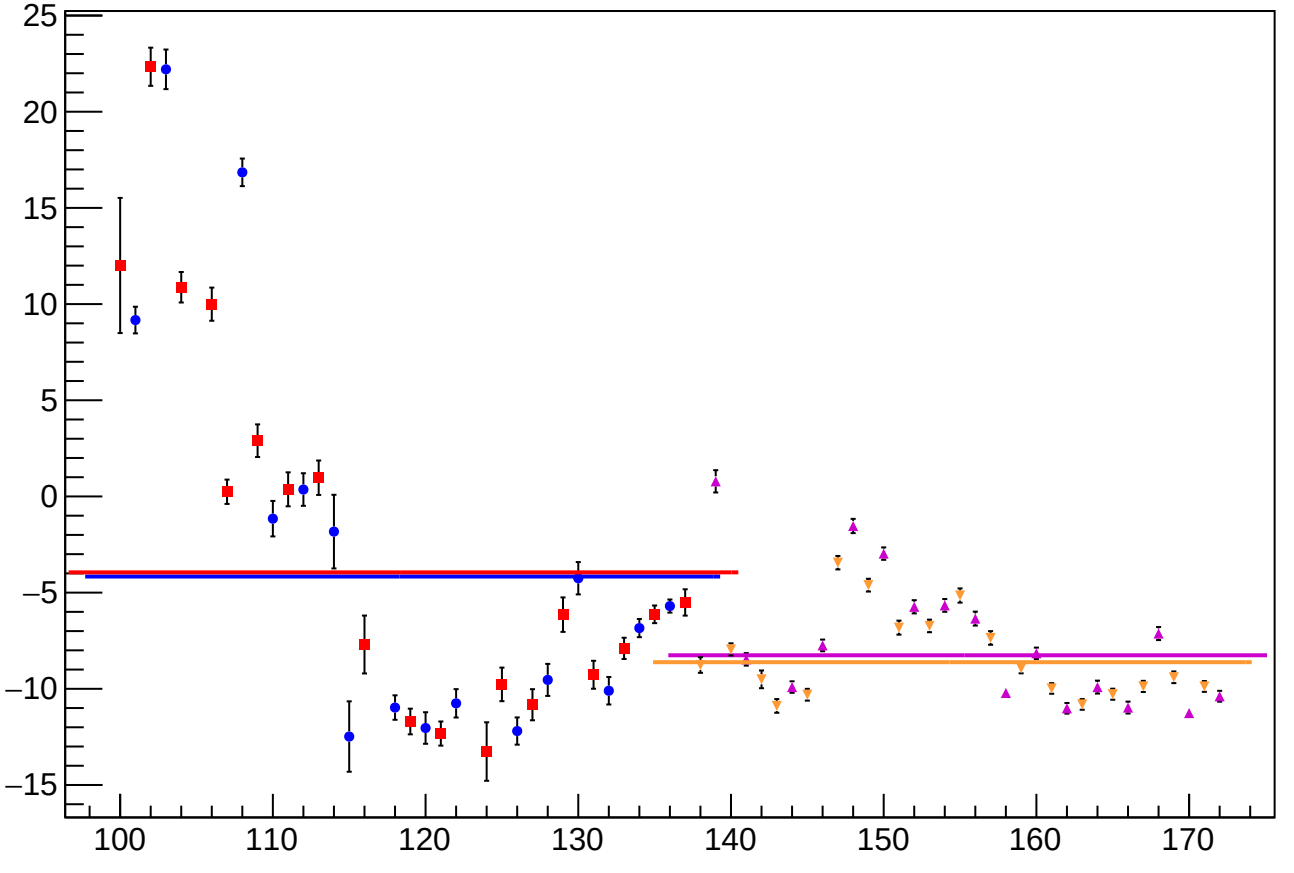
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -8.896+/-0.079 χ^2/NDF:3239.3/32

Out: -8.576+/-0.079 χ^2/NDF:2867.8/36

All: -8.738+/-0.056 χ^2/NDF: 6115.3/69

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.163+/-0.172 χ^2/NDF: 2525.0/15

Left Out: -8.617+/-0.075 χ^2/NDF:766.7/17

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -8.256+/-0.076 χ^2/NDF:1480.5/16

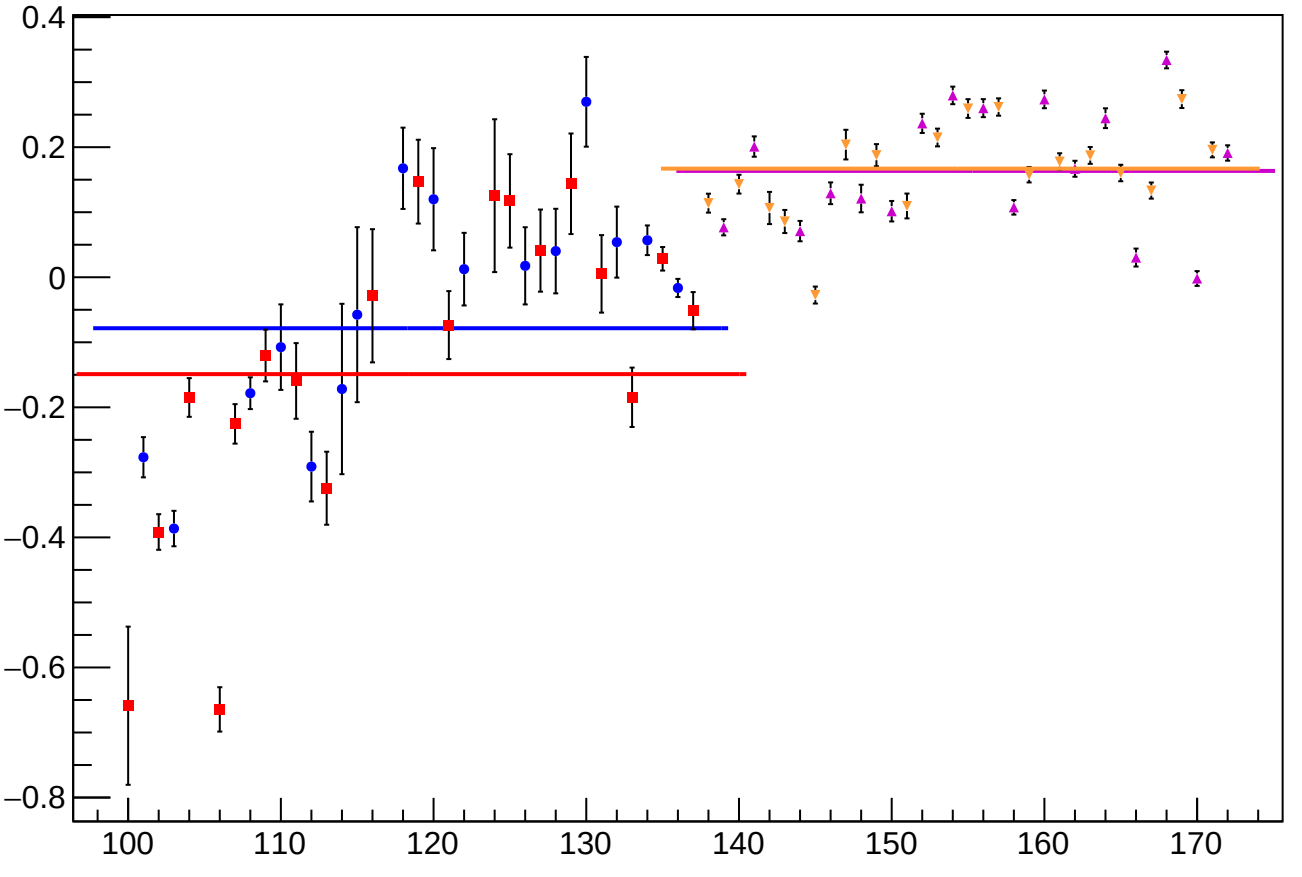
Left: -8.439+/-0.054 χ^2/NDF: 2258.5/34

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -7.585+/-0.070 χ^2/NDF:4479.3/32

Out: -7.894+/-0.069 χ^2/NDF:3471.7/36

All: -7.740+/-0.049 χ^2/NDF: 7960.9/69



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.167+/-0.003 χ^2/NDF:460.8/17

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.164+/-0.003 χ^2/NDF:866.4/16

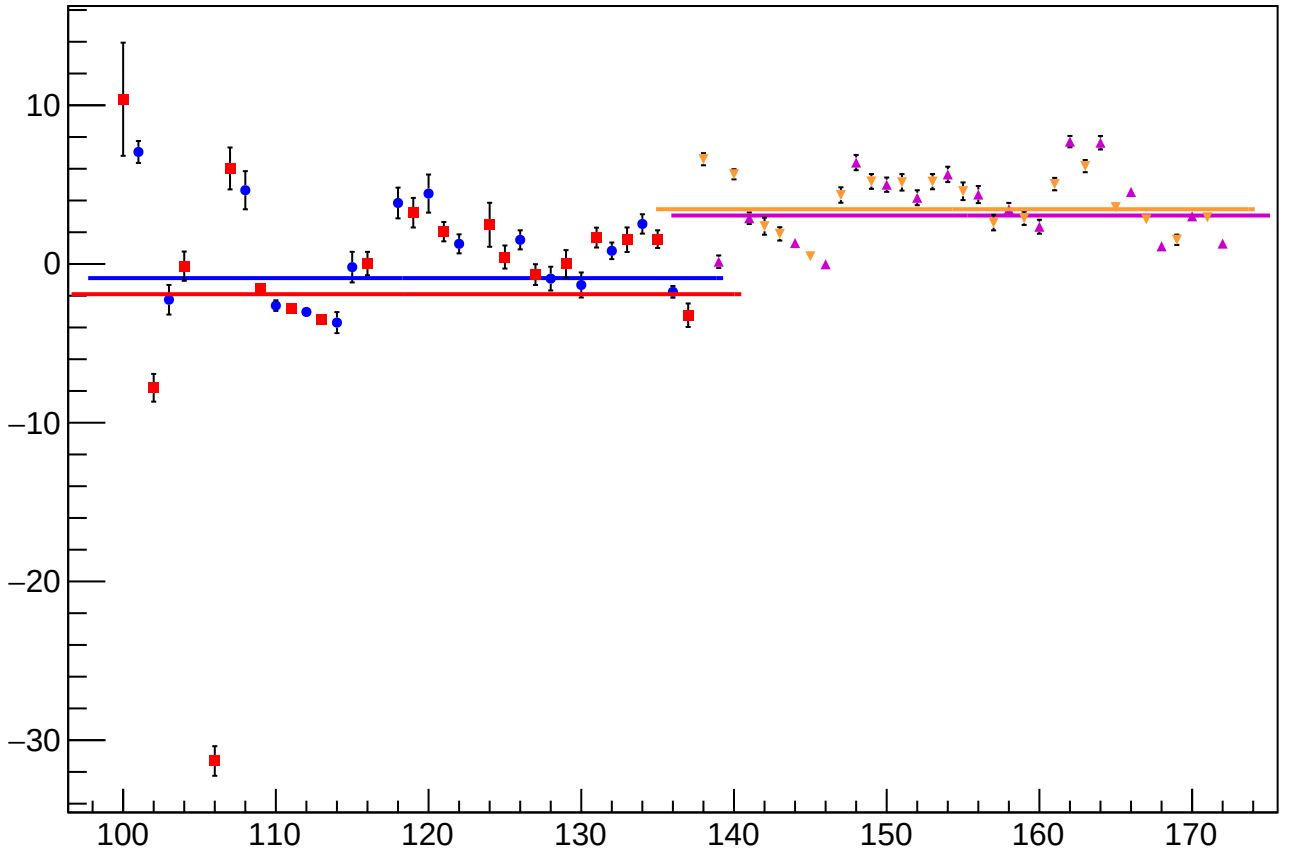
Left: 0.165+/-0.002 χ^2/NDF: 1327.7/34

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:2052.5/36

All: 0.130+/-0.002 χ^2/NDF: 3930.4/69



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.450+/-0.087 χ^2/NDF:439.4/17

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 3.054+/-0.086 χ^2/NDF:704.4/16

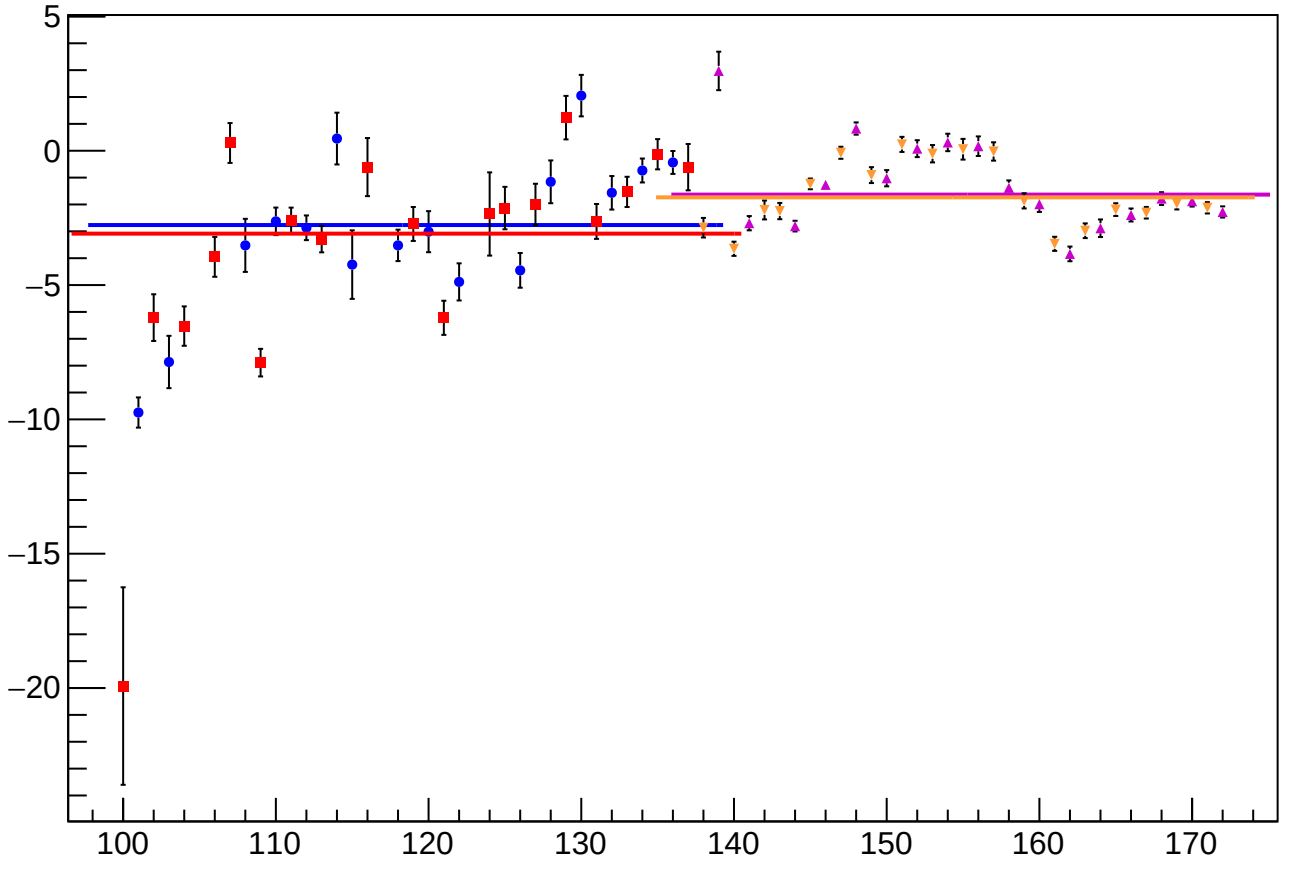
Left: 3.250+/-0.061 χ^2/NDF: 1154.2/34

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 1.927+/-0.073 χ^2/NDF:1679.8/32

Out: 1.760+/-0.072 χ^2/NDF:2961.3/36

All: 1.842+/-0.051 χ^2/NDF: 4643.8/69



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.735+/-0.062 χ^2/NDF:335.8/17

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: -1.683+/-0.044 χ^2/NDF: 747.2/34

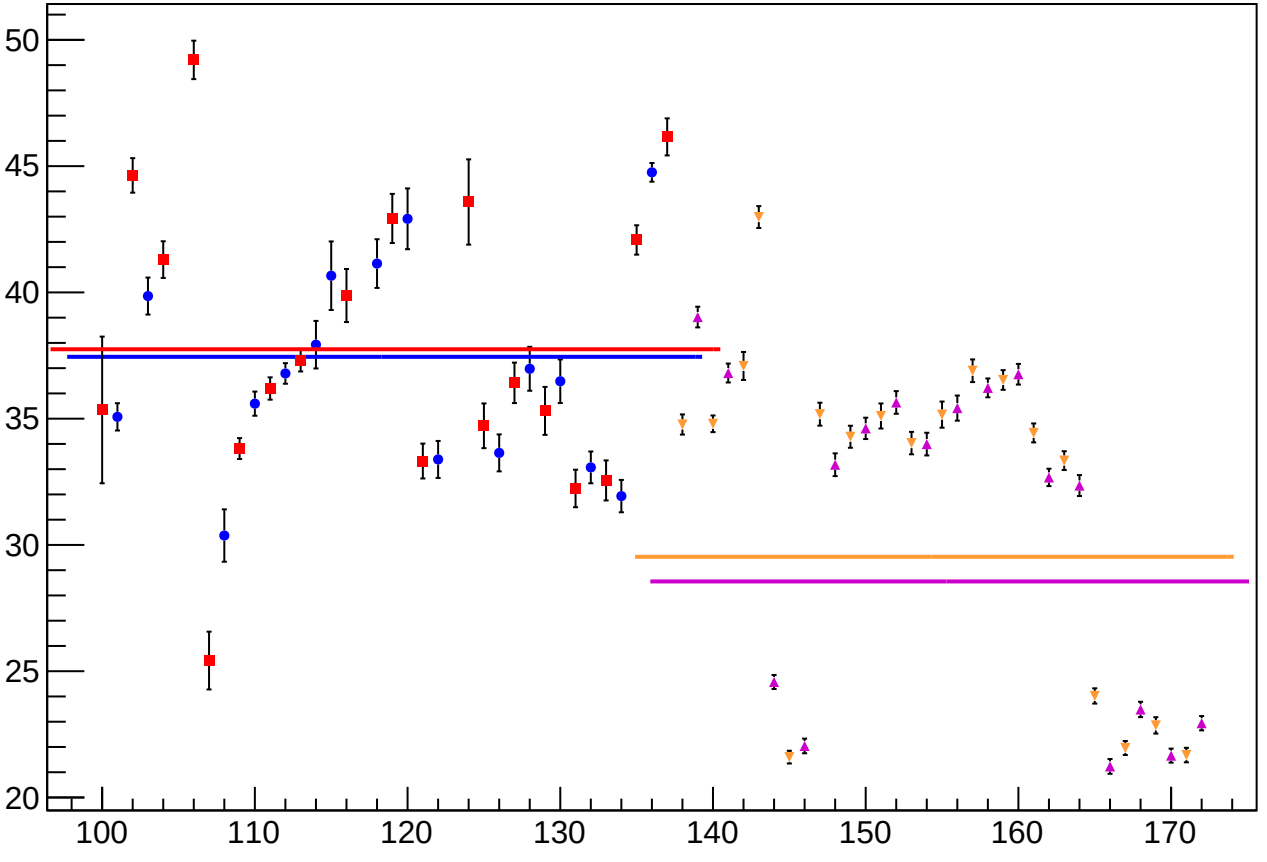
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -1.786+/-0.058 χ^2/NDF:765.6/32

Out: -1.919+/-0.058 χ^2/NDF:671.8/36

All: -1.852+/-0.041 χ^2/NDF: 1440.0/69

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: 29.531+/-0.086 χ^2/NDF:6302.9/17

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 28.555+/-0.085 χ^2/NDF:5712.2/16

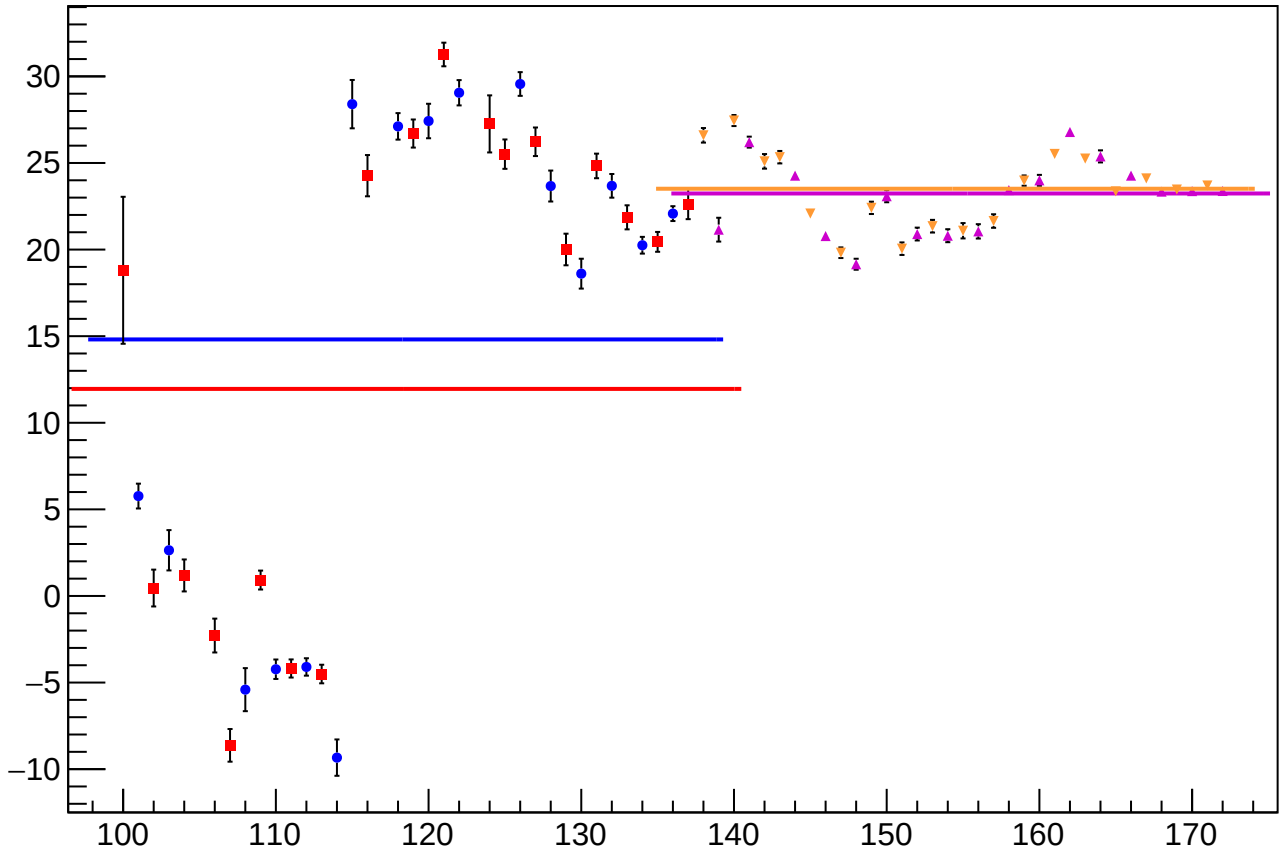
Left: 29.036+/-0.061 χ^2/NDF: 12079.8/34

Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 30.506+/-0.075 χ^2/NDF:8809.8/32

Out: 31.394+/-0.076 χ^2/NDF:9321.6/36

All: 30.946+/-0.053 χ^2/NDF: 18200.5/69



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.513+/-0.071 χ^2/NDF:715.8/17

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.239+/-0.071 χ^2/NDF:731.7/16

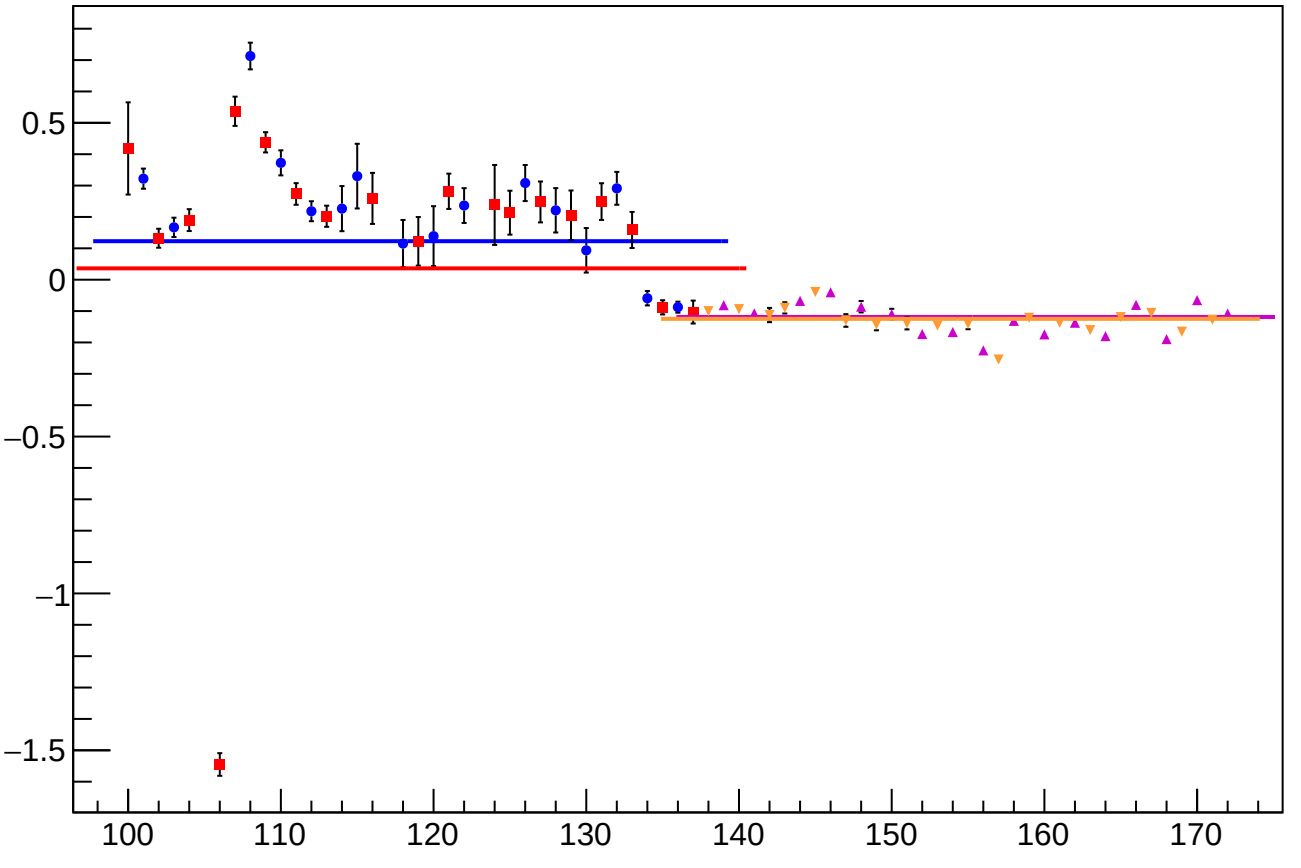
Left: 23.375+/-0.050 χ^2/NDF: 1455.0/34

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 22.045+/-0.065 χ^2/NDF:8434.0/32

Out: 21.900+/-0.066 χ^2/NDF:10497.7/36

All: 21.973+/-0.046 χ^2/NDF: 18934.1/69



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.125+/-0.003 χ^2/NDF:191.6/17

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.119+/-0.003 χ^2/NDF:256.2/16

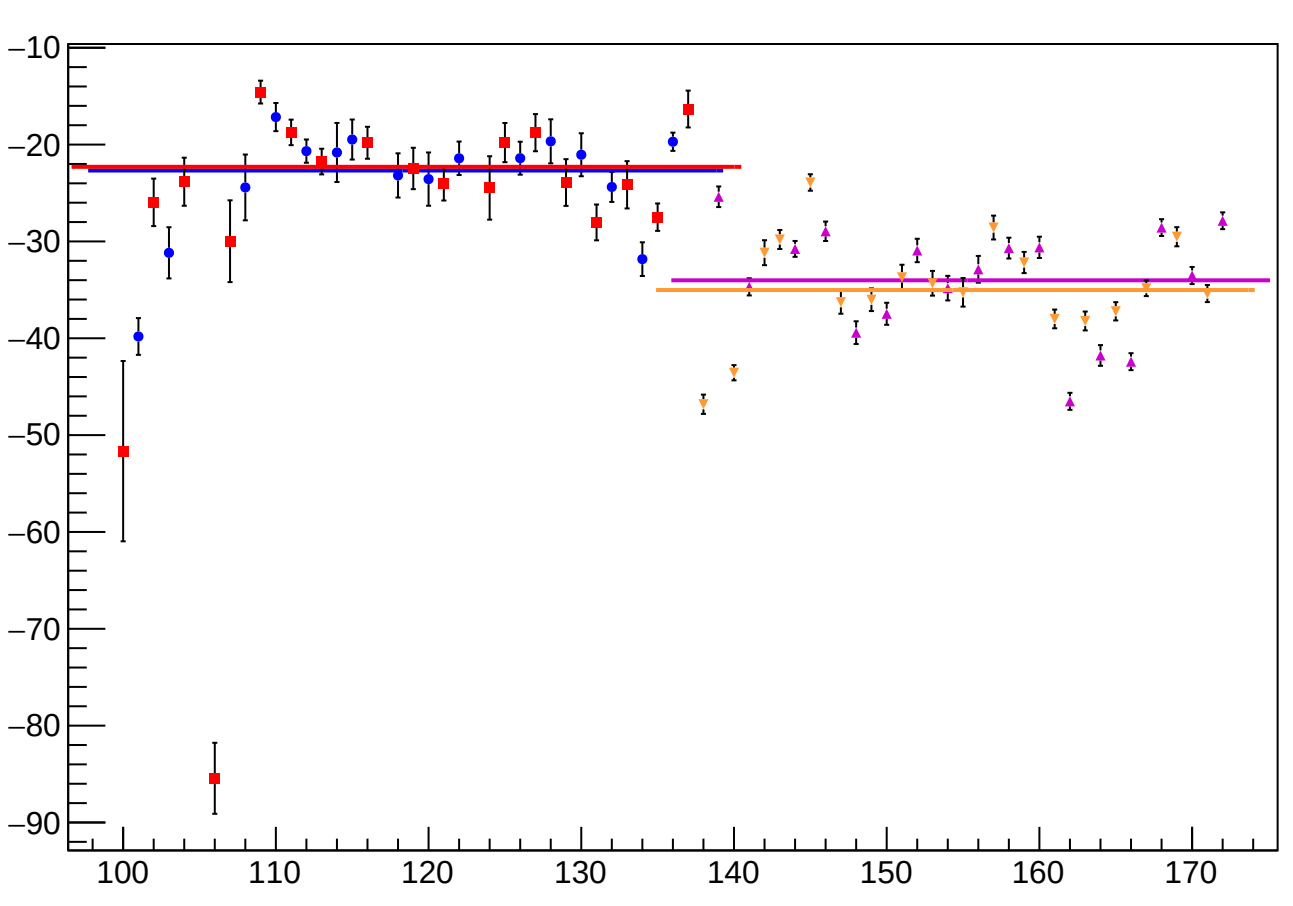
Left: -0.122+/-0.002 χ^2/NDF: 449.5/34

Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.094+/-0.003 χ^2/NDF:1368.0/32

Out: -0.109+/-0.003 χ^2/NDF:2850.9/36

All: -0.102+/-0.002 χ^2/NDF: 4231.1/69



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -35.019+/-0.240 χ^2/NDF:560.7/17

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -34.014+/-0.242 χ^2/NDF:602.0/16

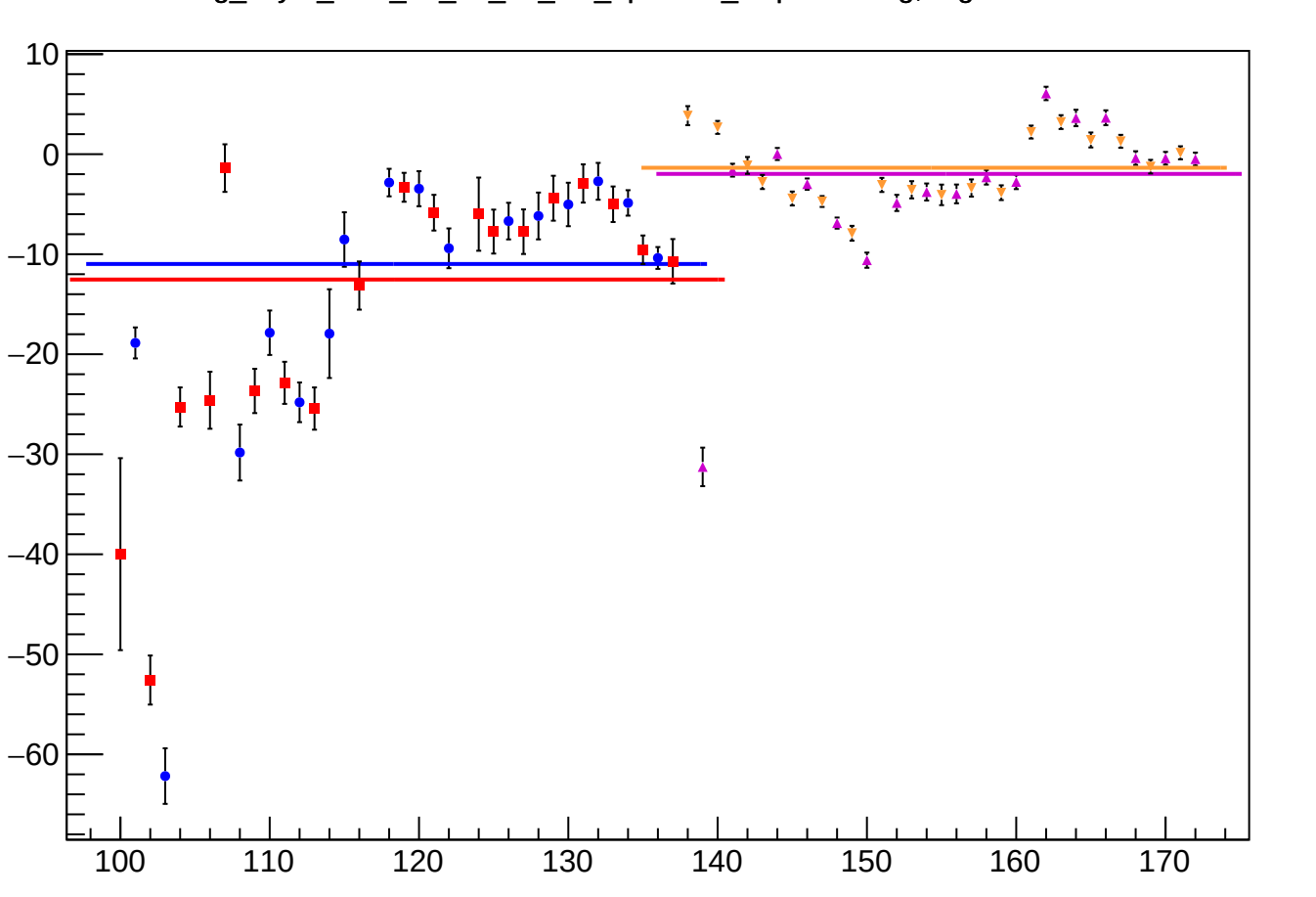
Left: -34.520+/-0.171 χ^2/NDF: 1171.3/34

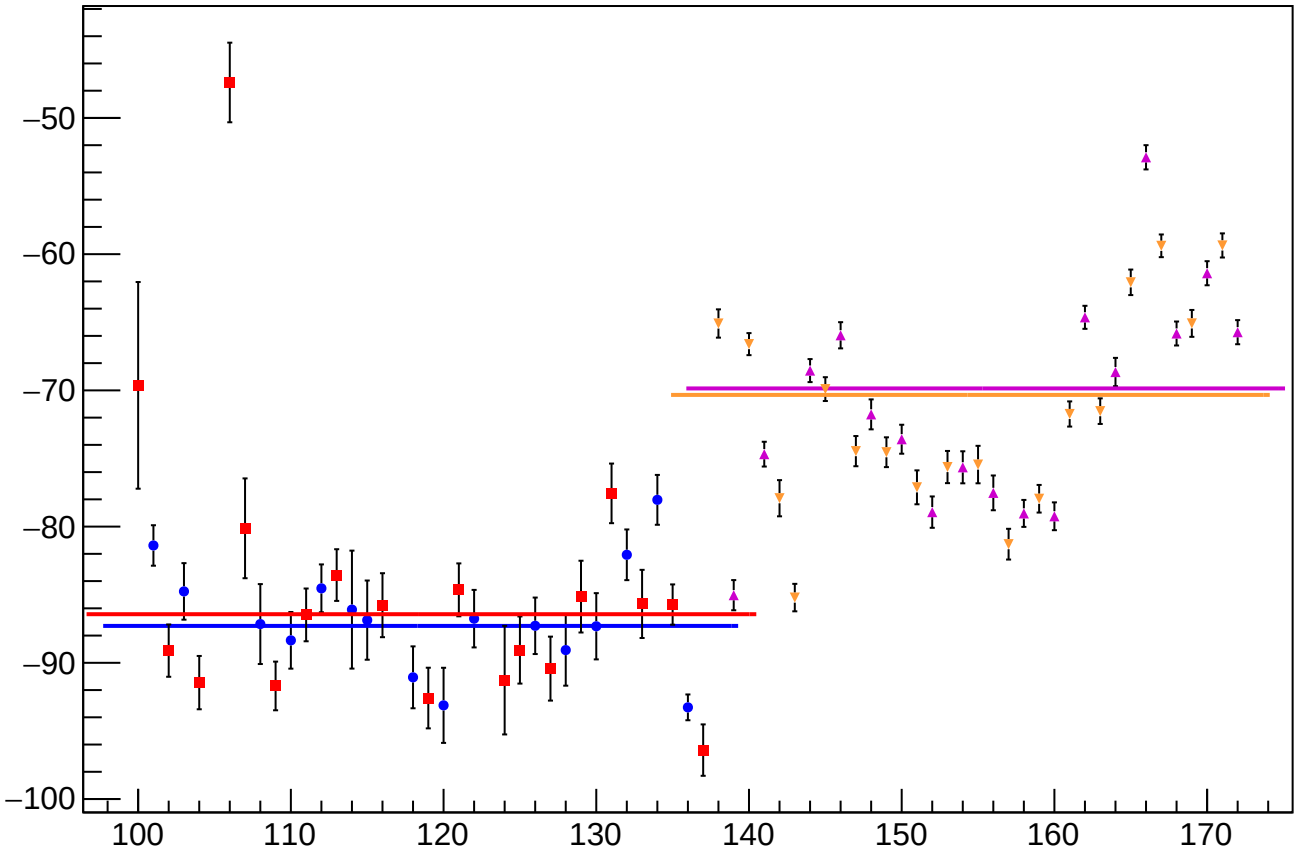
Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -31.329+/-0.211 χ^2/NDF:1276.1/32

Out: -32.045+/-0.210 χ^2/NDF:1621.3/36

All: -31.689+/-0.149 χ^2/NDF: 2903.1/69


reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
10
0
−10
−20
−30
−40
−50
−60
100
110
120
130
140
150
160
170
Right In: -10.978+/-0.453 χ²/NDF: 587.3/15
Left Out: -1.359+/-0.170 χ²/NDF:353.8/17
Right Out: -12.533+/-0.481 χ²/NDF: 572.3/18
Left In: -1.972+/-0.172 χ²/NDF:739.9/16
Left: -1.661+/-0.121 χ²/NDF: 1100.2/34
Right: -11.710+/-0.330 χ²/NDF: 1165.1/34
In: -3.105+/-0.161 χ²/NDF:1672.2/32
Out: -2.595+/-0.160 χ²/NDF:1405.9/36
All: -2.849+/-0.113 χ²/NDF: 3083.2/69



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -70.332+/-0.237 χ^2/NDF:976.6/17

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: -70.095+/-0.168 χ^2/NDF: 2058.8/34

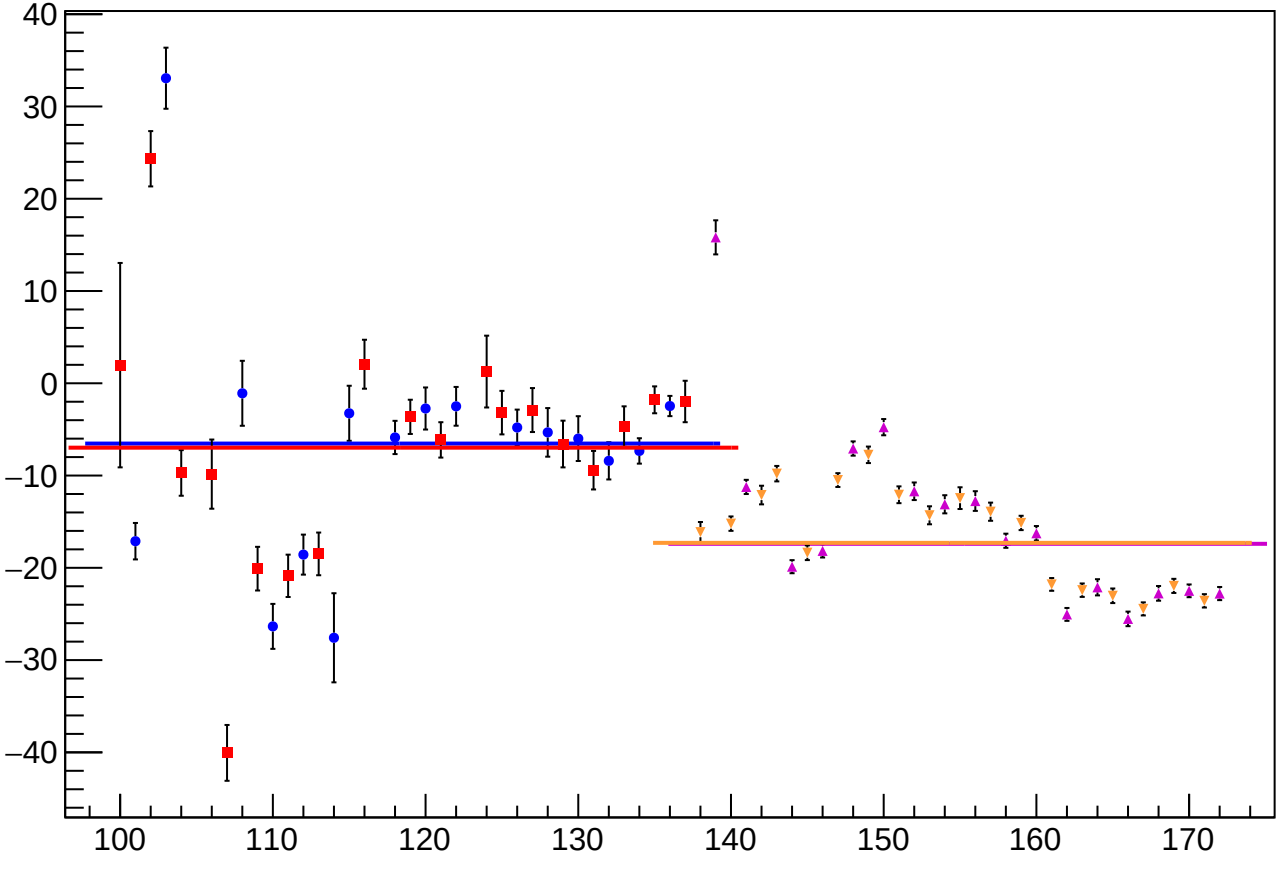
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -73.280+/-0.213 χ^2/NDF:2238.9/32

Out: -73.230+/-0.215 χ^2/NDF:2071.7/36

All: -73.255+/-0.151 χ^2/NDF: 4310.6/69

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: -17.295+/-0.195 χ^2/NDF:750.5/17

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: -17.347+/-0.139 χ^2/NDF: 2023.7/34

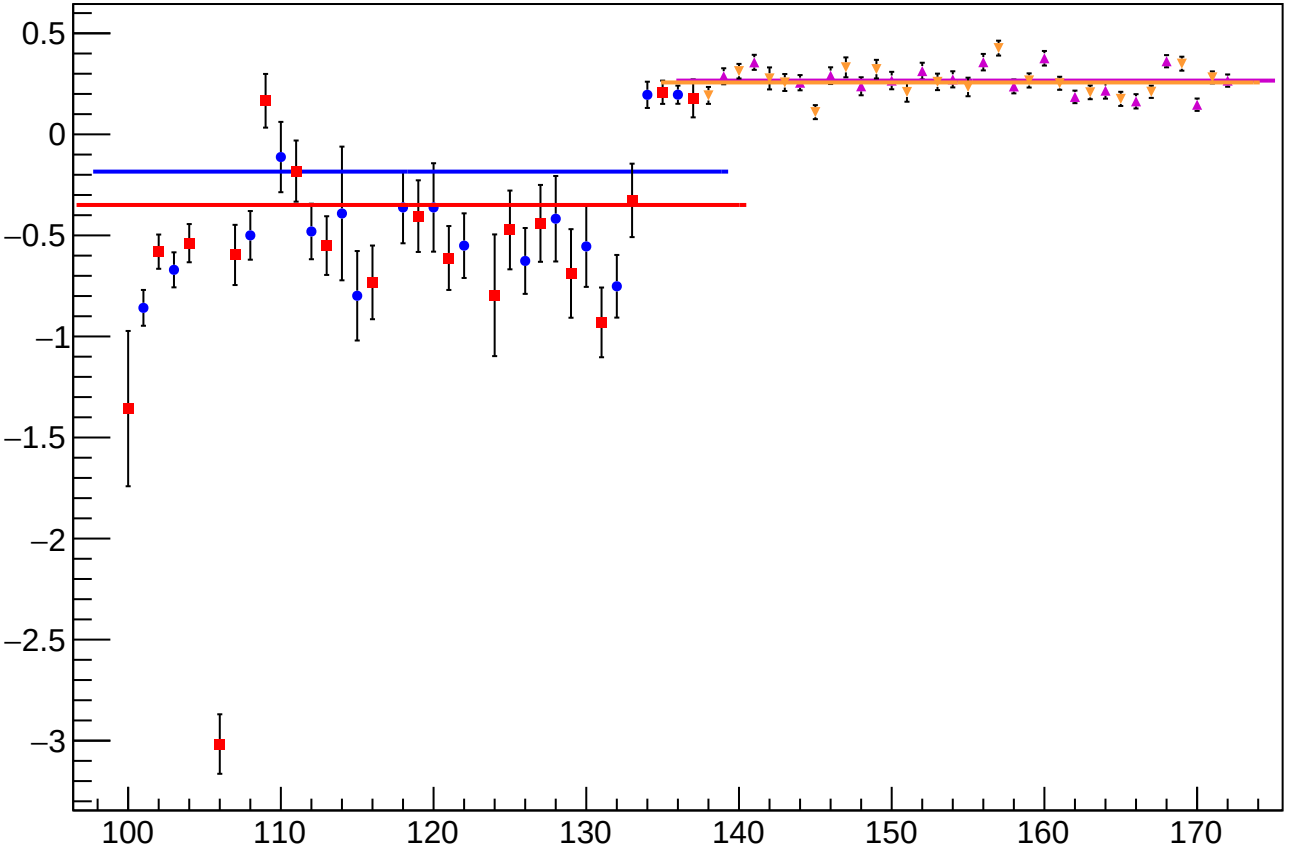
Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -15.979+/-0.184 χ^2/NDF:1984.7/32

Out: -16.113+/-0.183 χ^2/NDF:1440.0/36

All: -16.046+/-0.130 χ^2/NDF: 3424.9/69

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: 0.257+/-0.009 χ^2/NDF:67.3/17

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.266+/-0.009 χ^2/NDF:65.2/16

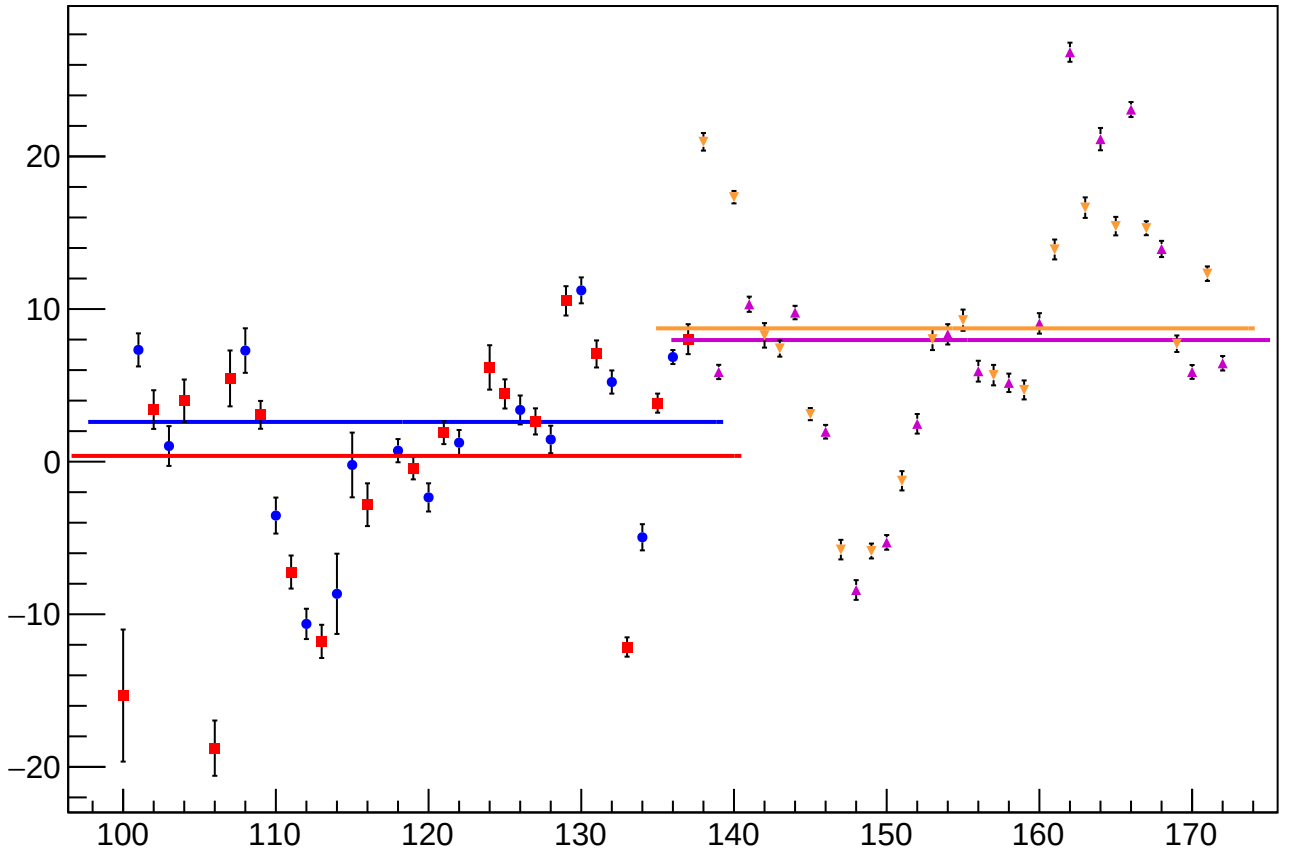
Left: 0.261+/-0.006 χ^2/NDF: 133.1/34

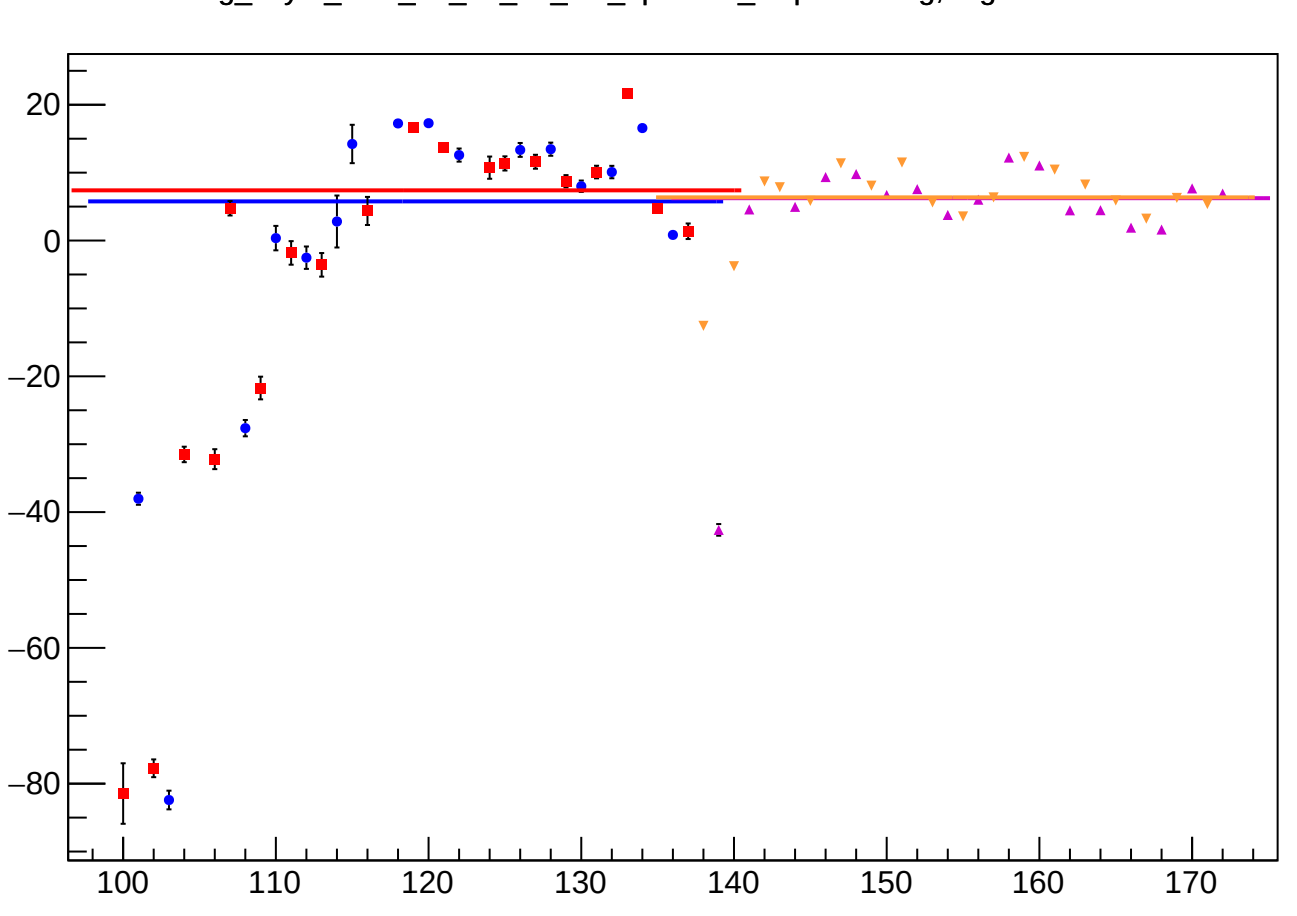
Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

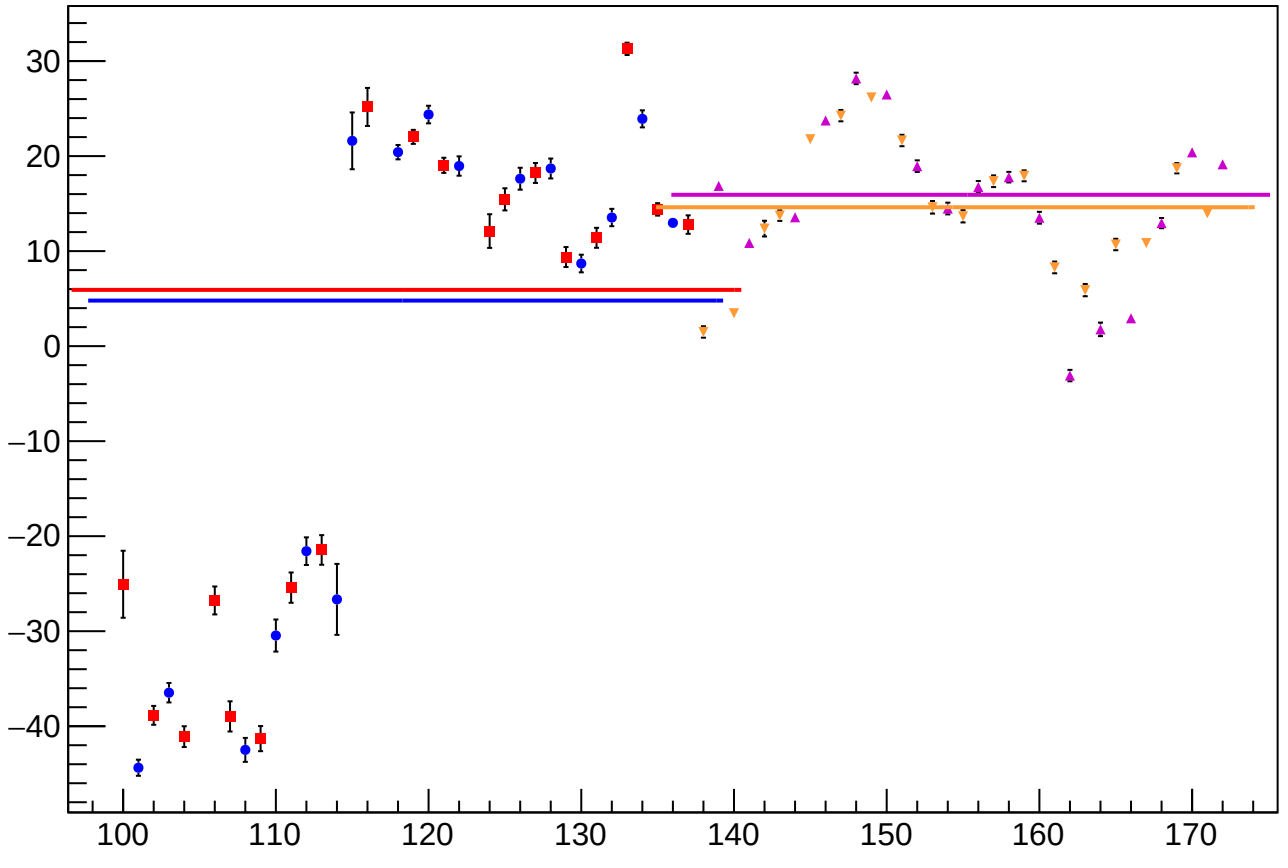
In: 0.222+/-0.008 χ^2/NDF:567.8/32

Out: 0.206+/-0.008 χ^2/NDF:975.4/36

All: 0.214+/-0.006 χ^2/NDF: 1545.0/69


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: 8.736+/-0.131 χ²/NDF:3405.0/17
Right Out: 0.377+/-0.222 χ²/NDF: 1030.9/18
Left In: 7.969+/-0.131 χ²/NDF:4082.5/16
Left: 8.351+/-0.093 χ²/NDF: 7504.6/34
Right: 1.481+/-0.158 χ²/NDF: 1653.8/34
In: 6.609+/-0.113 χ²/NDF:5083.5/32
Out: 6.577+/-0.113 χ²/NDF:5485.2/36
All: 6.593+/-0.080 χ²/NDF: 10568.7/69


reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: 5.768+/-0.210 χ²/NDF: 8933.8/15
Left Out: 6.359+/-0.093 χ²/NDF:2914.6/17
Right Out: 7.393+/-0.209 χ²/NDF: 8390.6/18
Left In: 6.239+/-0.094 χ²/NDF:4179.5/16
Left: 6.300+/-0.066 χ²/NDF: 7095.0/34
Right: 6.585+/-0.148 χ²/NDF: 17354.6/34
In: 6.160+/-0.086 χ²/NDF:13117.5/32
Out: 6.531+/-0.085 χ²/NDF:11325.6/36
All: 6.347+/-0.060 χ²/NDF: 24452.6/69



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 14.619+/-0.129 χ^2/NDF:3042.1/17

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 15.926+/-0.128 χ^2/NDF:3715.7/16

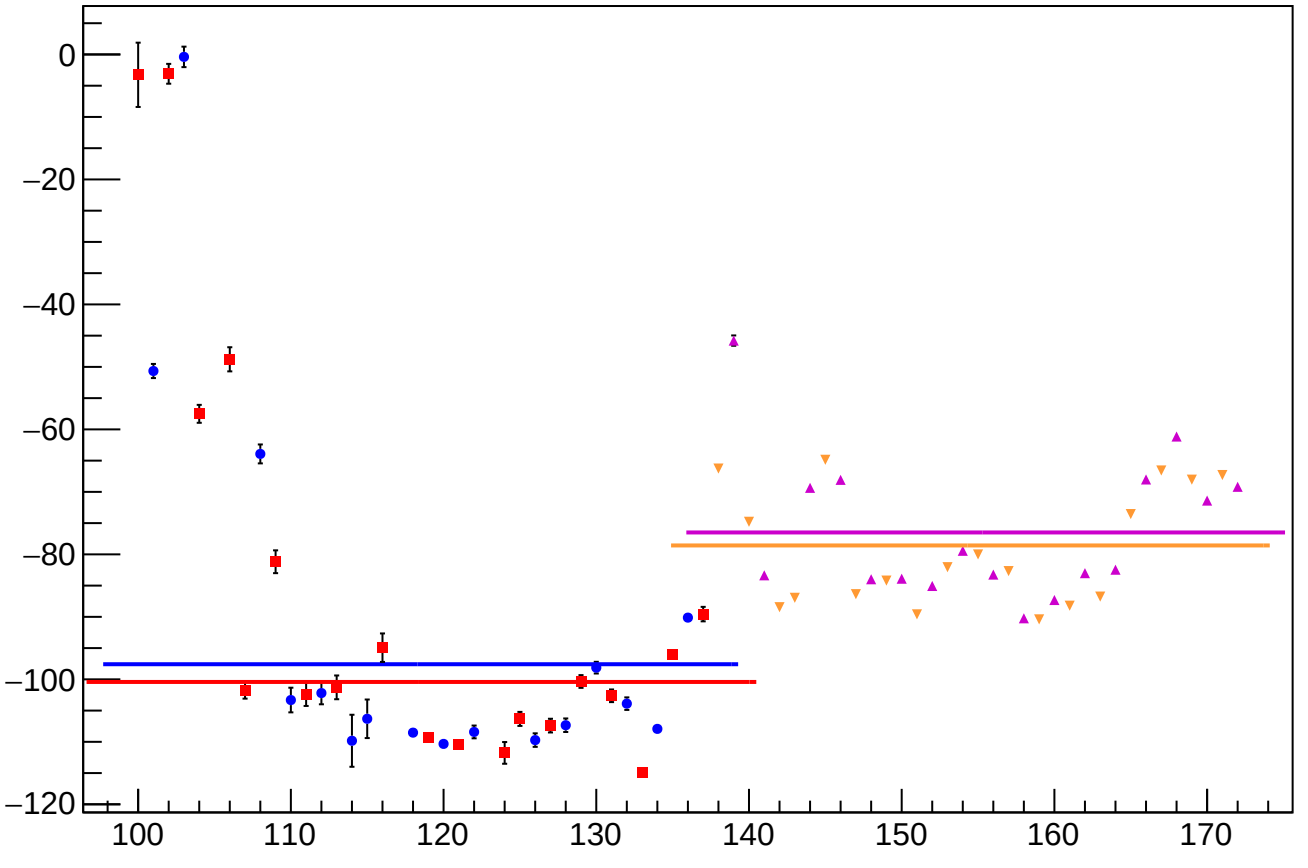
Left: 15.278+/-0.091 χ^2/NDF: 6809.5/34

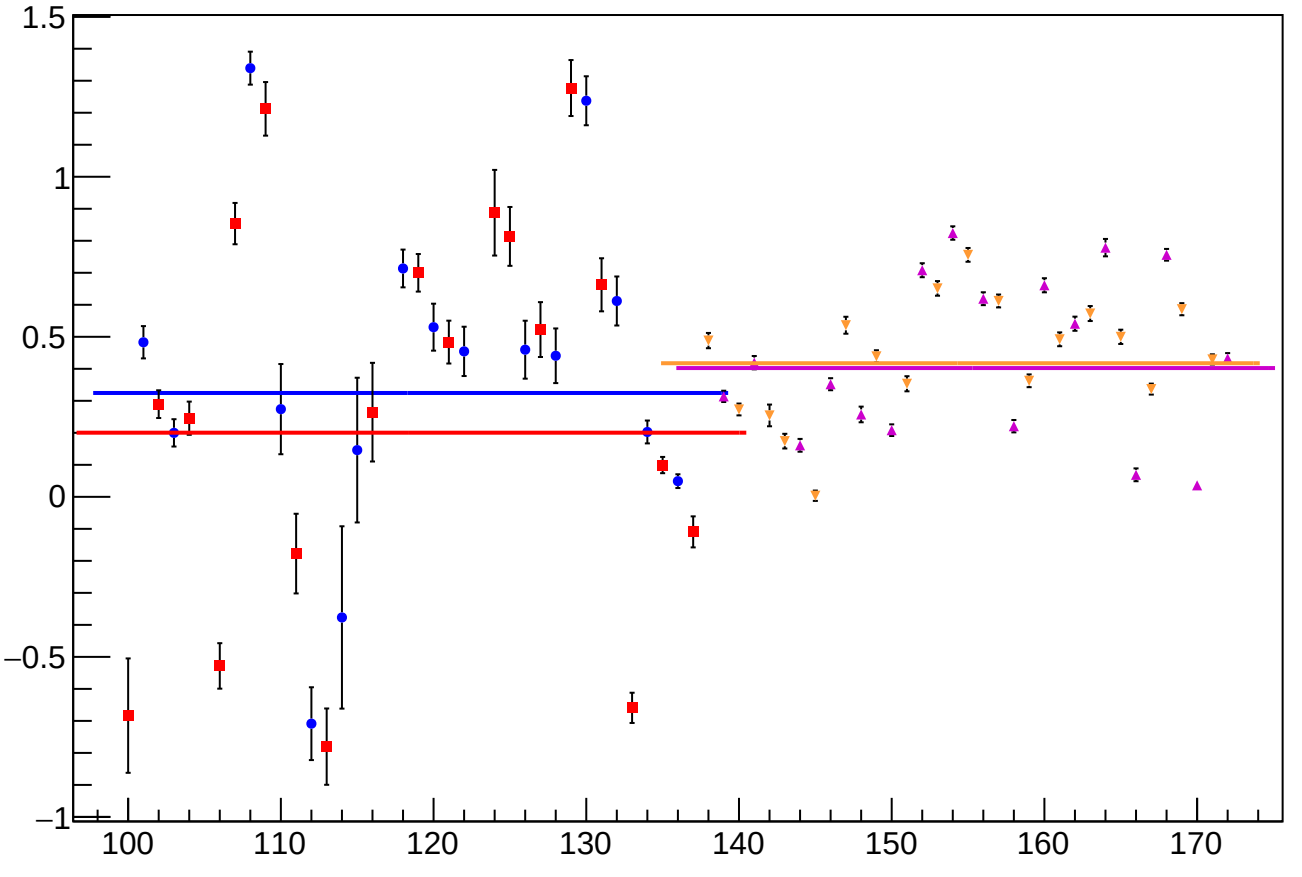
Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 13.412+/-0.113 χ^2/NDF:14914.9/32

Out: 12.662+/-0.114 χ^2/NDF:14120.4/36

All: 13.041+/-0.080 χ^2/NDF: 29057.2/69


reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
Right In: -97.581+/-0.242 χ²/NDF: 7144.2/15
Left Out: -78.573+/-0.107 χ²/NDF:7487.9/17
Right Out: -100.418+/-0.241 χ²/NDF: 7115.7/18
Left In: -76.495+/-0.108 χ²/NDF:7457.6/16
Left: -77.537+/-0.076 χ²/NDF: 15132.0/34
Right: -99.004+/-0.171 χ²/NDF: 14329.0/34
In: -79.994+/-0.098 χ²/NDF:20950.4/32
Out: -82.197+/-0.098 χ²/NDF:21457.8/36
All: -81.099+/-0.070 χ²/NDF: 42659.4/69



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.417+/-0.005 χ^2/NDF:1512.9/17

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: 0.410+/-0.003 χ^2/NDF: 4214.8/34

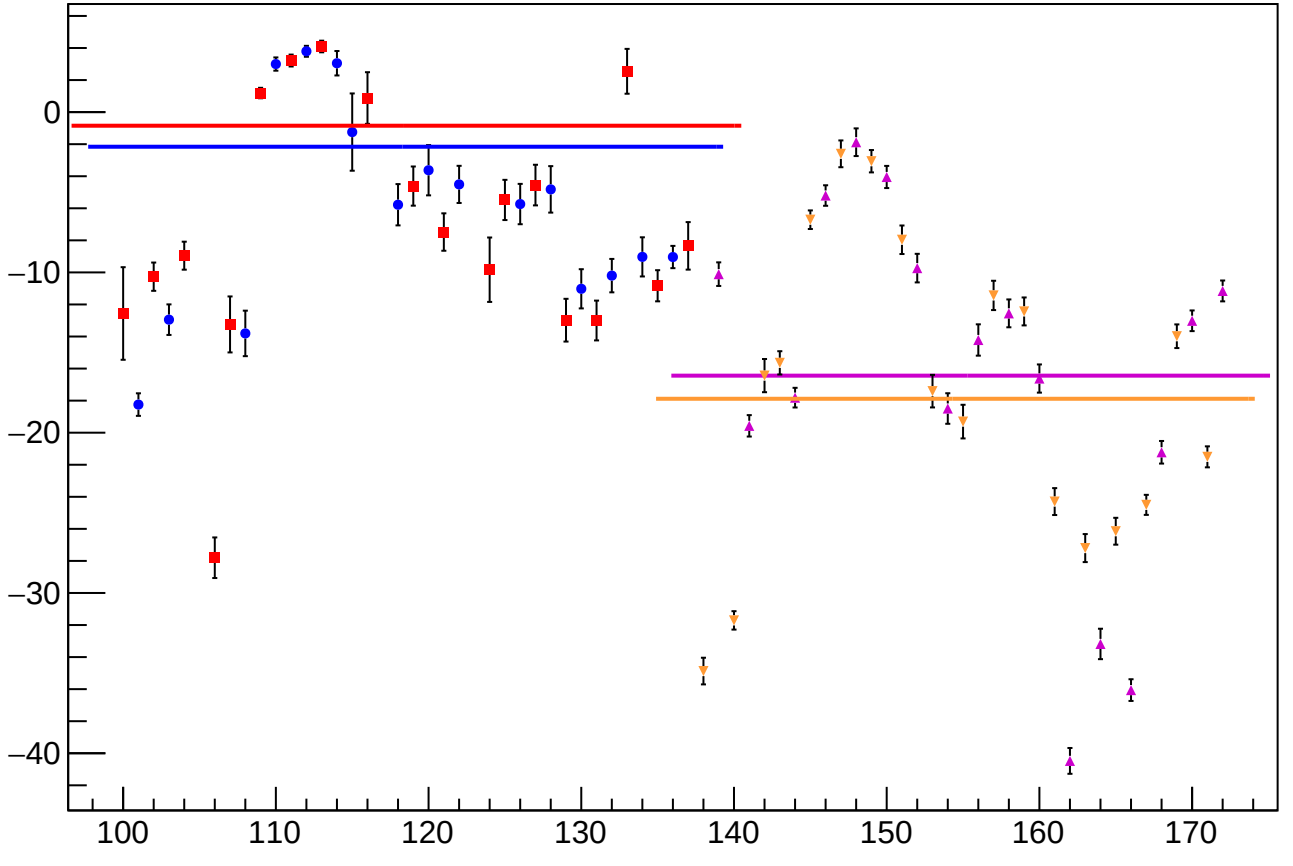
Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.393+/-0.005 χ^2/NDF:3613.9/32

Out: 0.394+/-0.005 χ^2/NDF:2937.9/36

All: 0.393+/-0.003 χ^2/NDF: 6551.8/69

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: -17.884+/-0.182 χ^2/NDF:2820.5/17

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: -17.163+/-0.129 χ^2/NDF: 6135.2/34

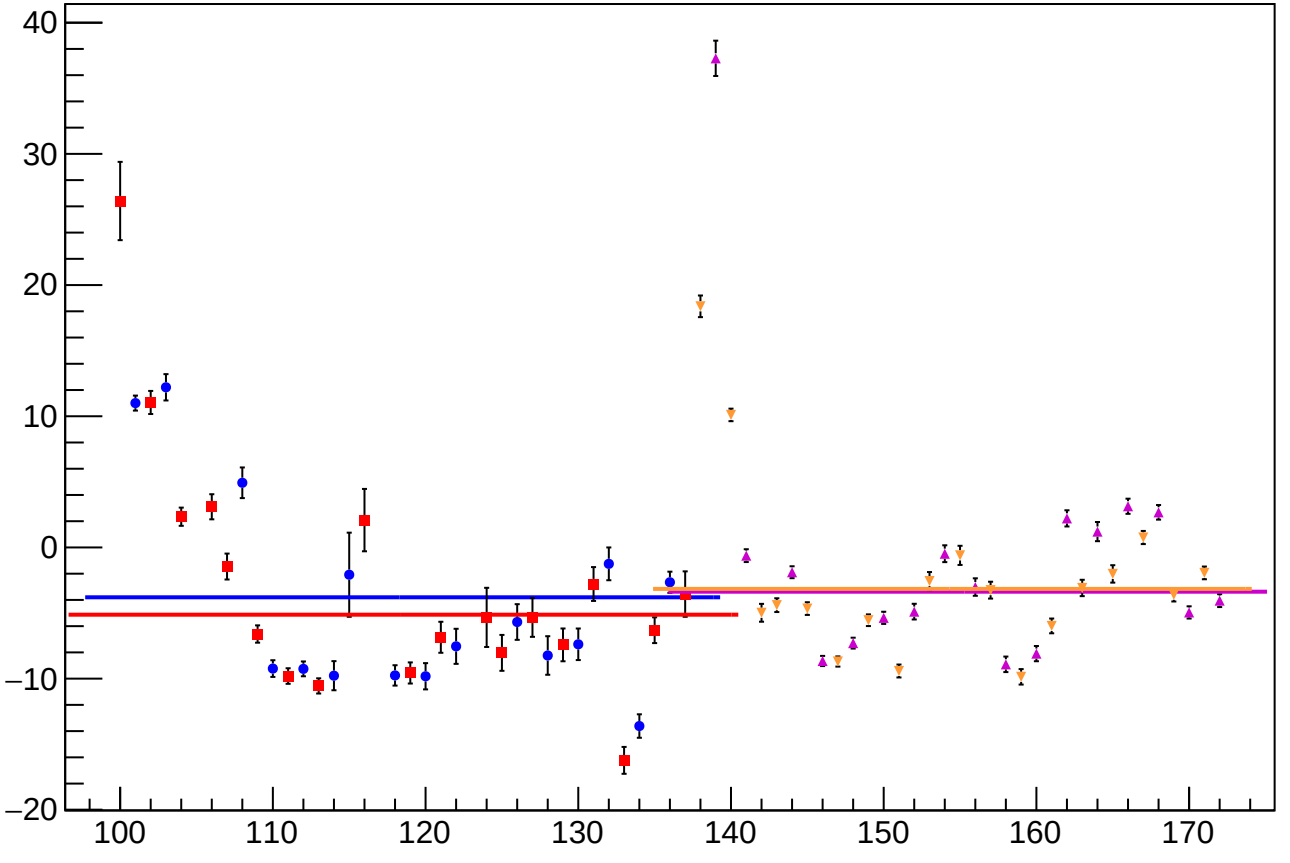
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -9.688+/-0.132 χ^2/NDF:7691.7/32

Out: -8.821+/-0.124 χ^2/NDF:8963.5/36

All: -9.229+/-0.090 χ^2/NDF: 16678.1/69

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: -3.160+/-0.128 χ^2/NDF:2105.9/17

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: -3.374+/-0.130 χ^2/NDF:1809.0/16

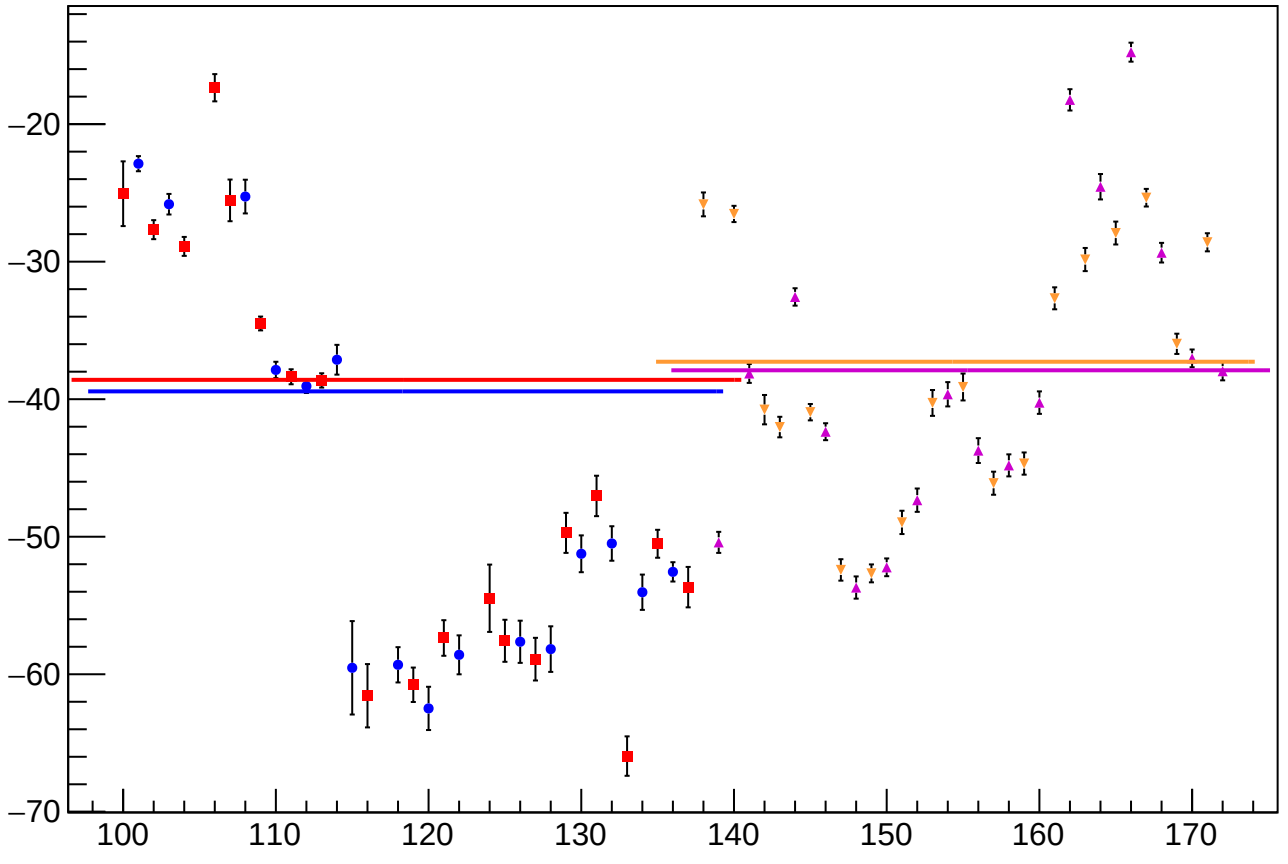
Left: -3.265+/-0.091 χ^2/NDF: 3916.3/34

Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -3.480+/-0.112 χ^2/NDF:3237.2/32

Out: -3.661+/-0.110 χ^2/NDF:3146.6/36

All: -3.572+/-0.079 χ^2/NDF: 6385.1/69



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -37.276+/-0.179 χ^2/NDF:2688.5/17

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: -37.588+/-0.126 χ^2/NDF: 6332.1/34

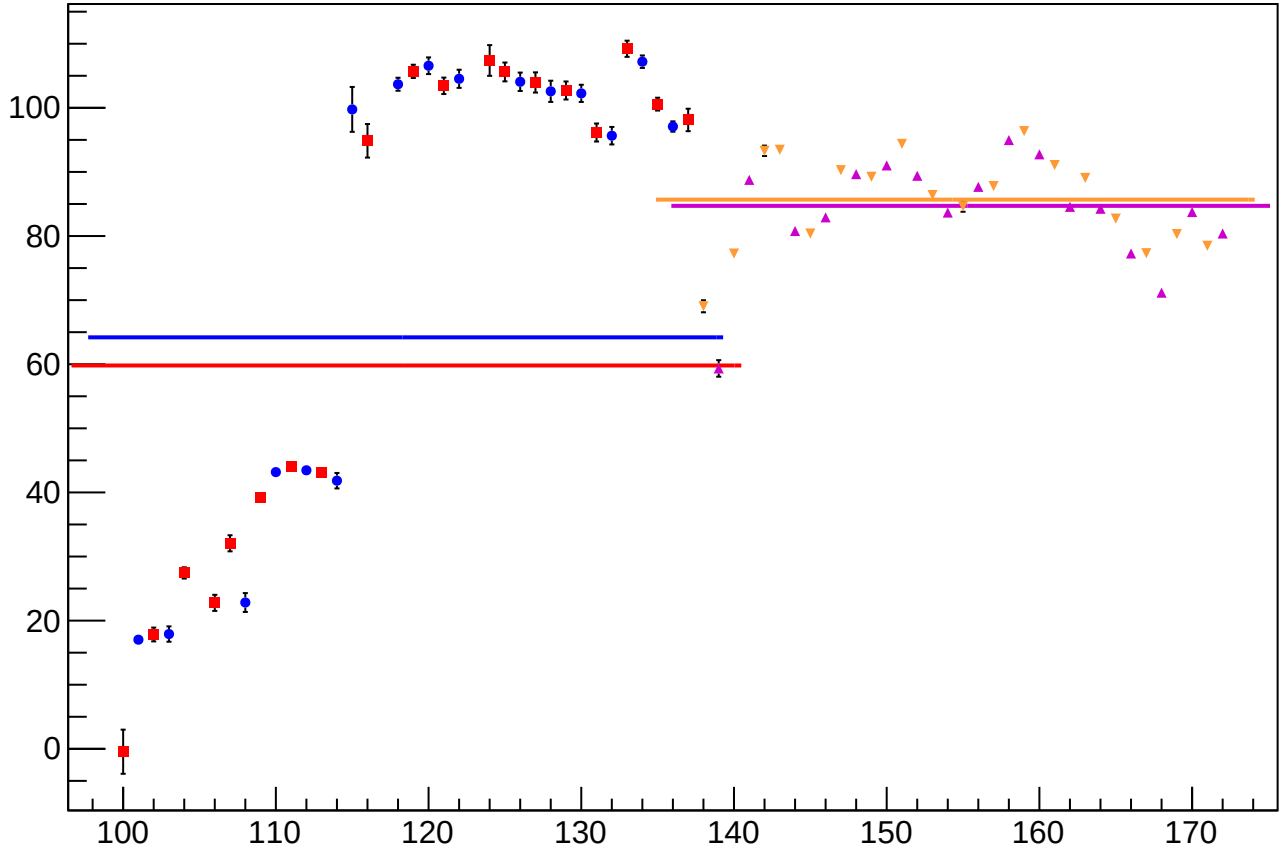
Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -38.489+/-0.140 χ^2/NDF:6624.0/32

Out: -37.822+/-0.137 χ^2/NDF:5483.2/36

All: -38.148+/-0.098 χ^2/NDF: 12118.7/69

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 85.679+/-0.148 χ^2/NDF:2109.6/17

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 84.710+/-0.149 χ^2/NDF:1865.6/16

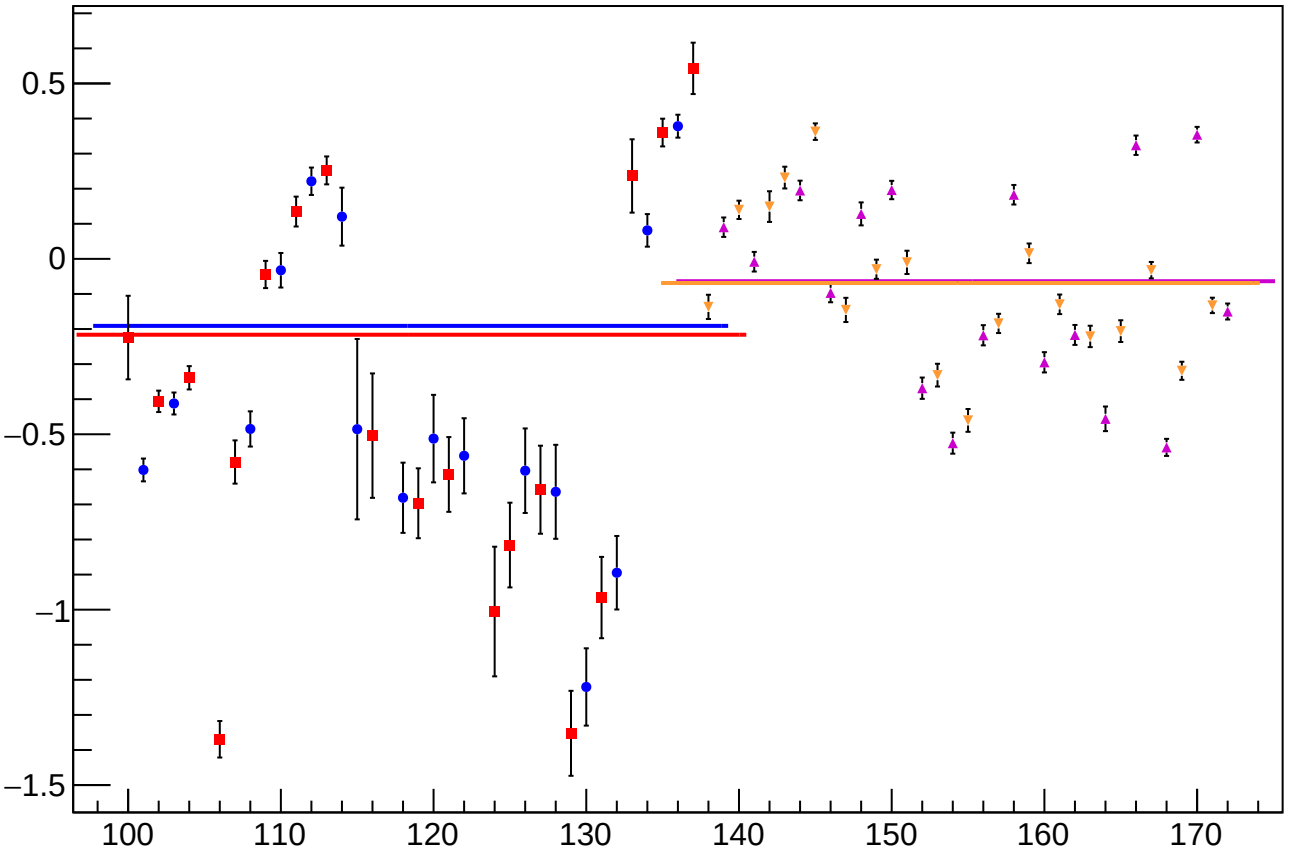
Left: 85.197+/-0.105 χ^2/NDF: 3996.5/34

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 79.571+/-0.129 χ^2/NDF:25218.7/32

Out: 78.917+/-0.127 χ^2/NDF:27533.5/36

All: 79.240+/-0.091 χ^2/NDF: 52765.2/69



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.069+/-0.007 χ^2/NDF:924.1/17

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: -0.066+/-0.005 χ^2/NDF: 2784.1/34

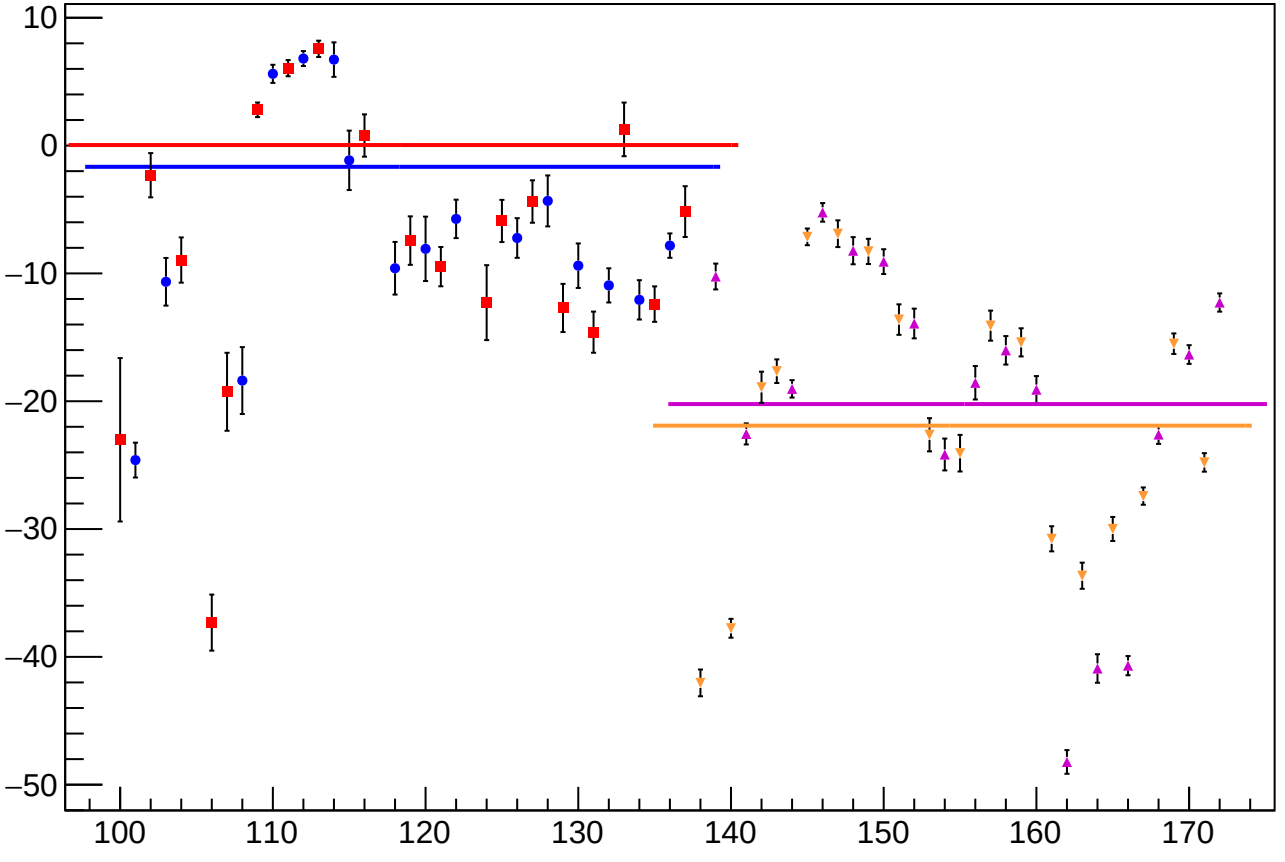
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.089+/-0.006 χ^2/NDF:2850.2/32

Out: -0.100+/-0.006 χ^2/NDF:2394.5/36

All: -0.094+/-0.004 χ^2/NDF: 5246.5/69

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: -21.910+/-0.218 χ^2/NDF:2331.3/17

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: -21.055+/-0.153 χ^2/NDF: 5373.5/34

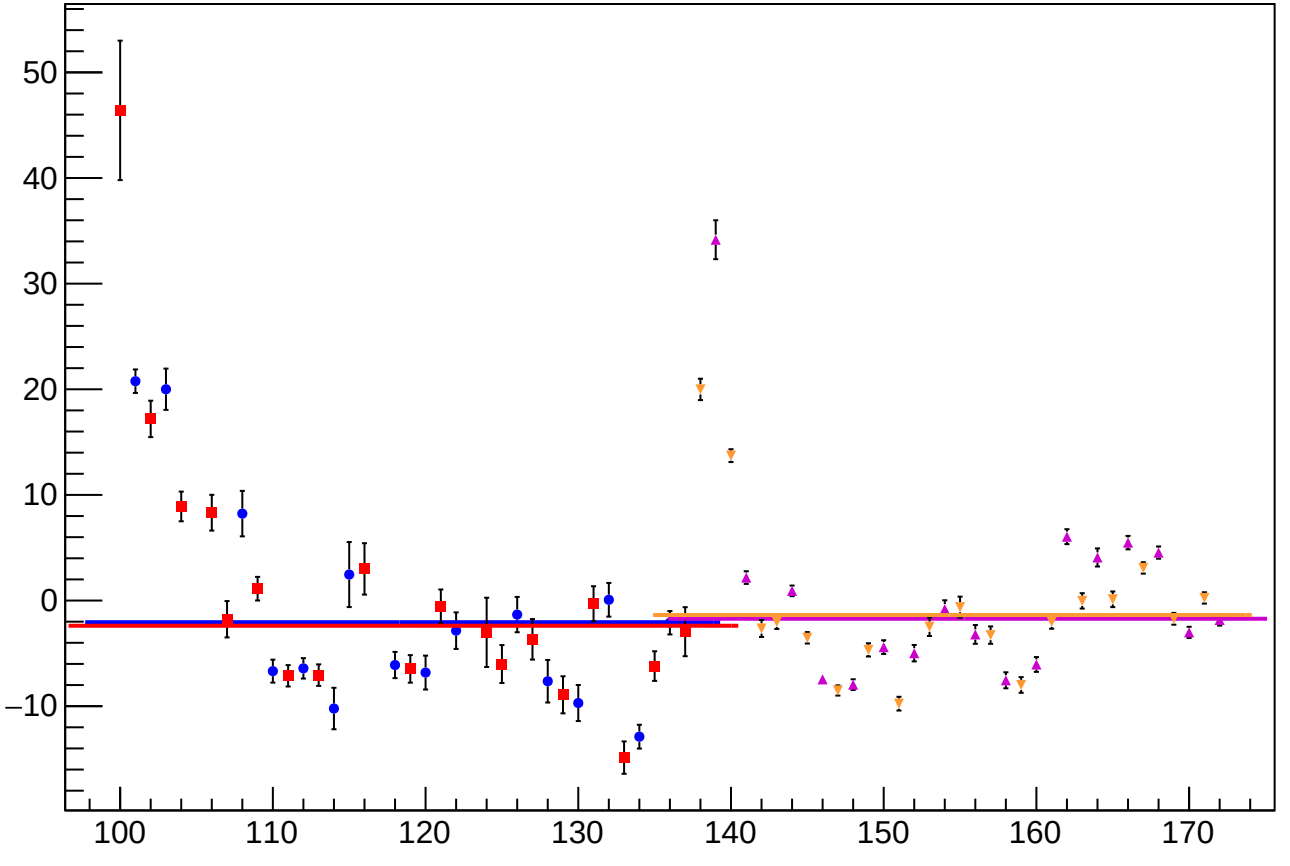
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -14.121+/-0.177 χ^2/NDF:6349.0/32

Out: -13.681+/-0.173 χ^2/NDF:7053.1/36

All: -13.896+/-0.123 χ^2/NDF: 13405.3/69

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.050+/-0.356 χ^2/NDF: 771.9/15

Left Out: -1.370+/-0.155 χ^2/NDF:1667.2/17

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -1.723+/-0.153 χ^2/NDF:1331.2/16

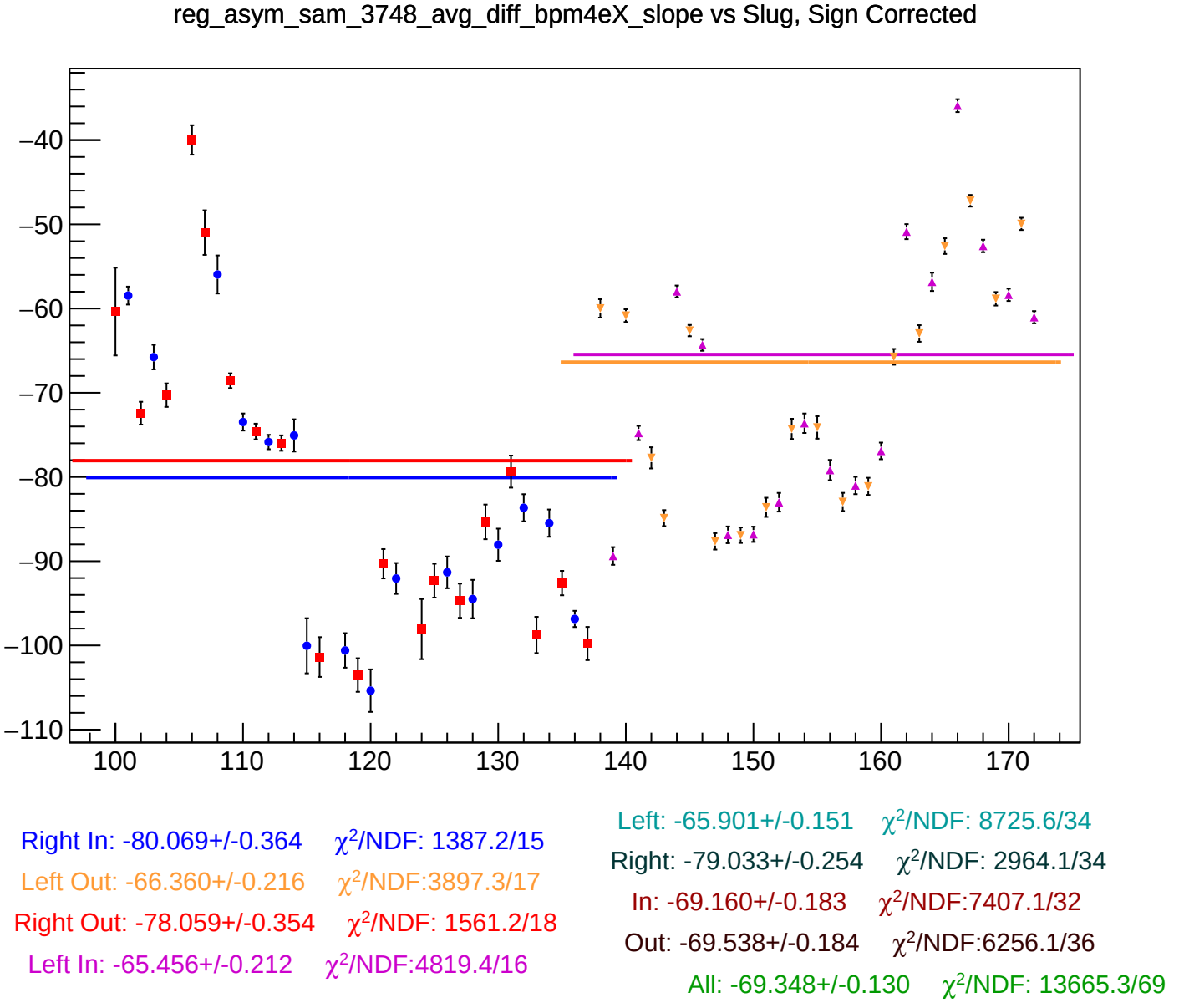
Left: -1.548+/-0.109 χ^2/NDF: 3001.0/34

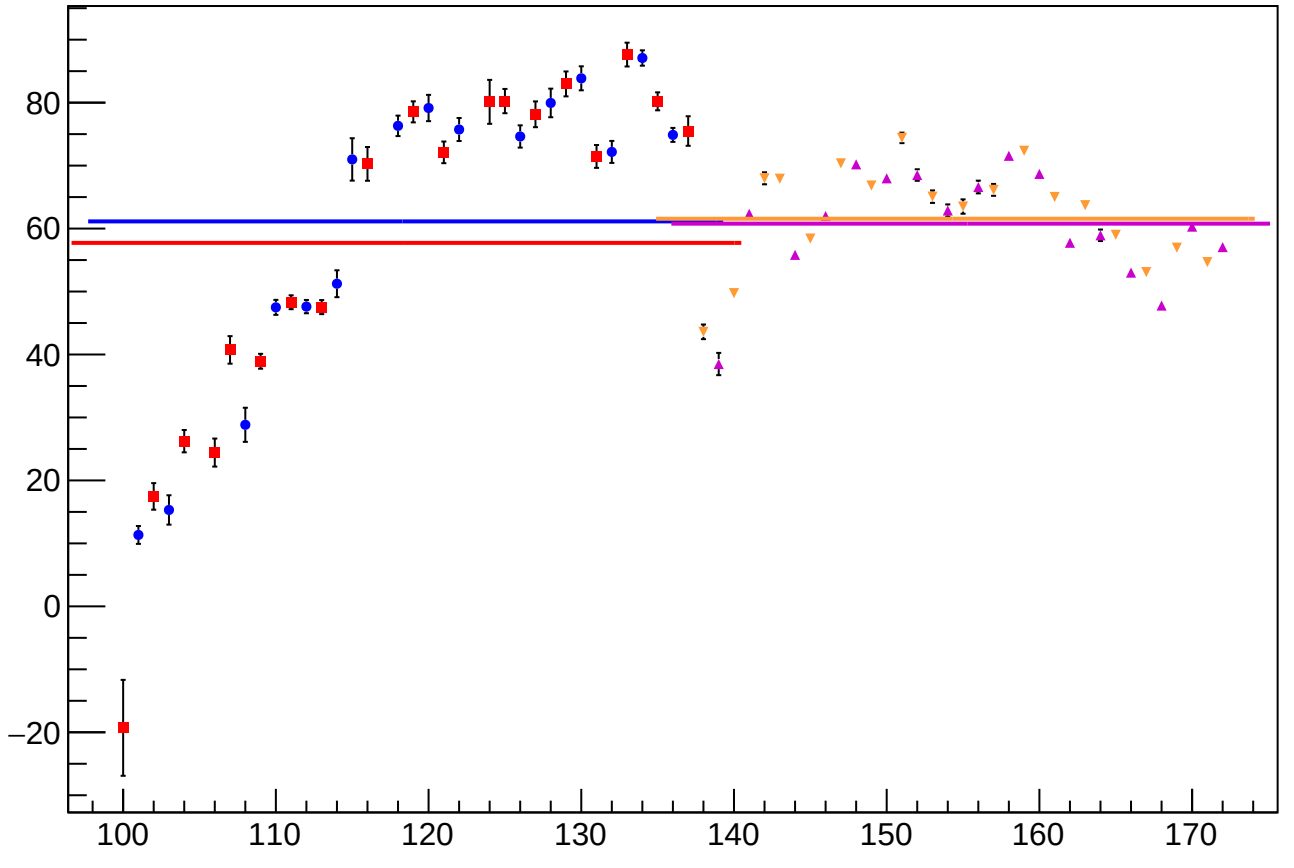
Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -1.774+/-0.141 χ^2/NDF:2103.8/32

Out: -1.531+/-0.142 χ^2/NDF:2125.0/36

All: -1.654+/-0.100 χ^2/NDF: 4230.2/69


reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−40
−50
−60
−70
−80
−90
−100
−110
100
110
120
130
140
150
160
170
Right In: -80.069+/-0.364 χ²/NDF: 1387.2/15
Left Out: -66.360+/-0.216 χ²/NDF:3897.3/17
Right Out: -78.059+/-0.354 χ²/NDF: 1561.2/18
Left In: -65.456+/-0.212 χ²/NDF:4819.4/16
Left: -65.901+/-0.151 χ²/NDF: 8725.6/34
Right: -79.033+/-0.254 χ²/NDF: 2964.1/34
In: -69.160+/-0.183 χ²/NDF:7407.1/32
Out: -69.538+/-0.184 χ²/NDF:6256.1/36
All: -69.348+/-0.130 χ²/NDF: 13665.3/69



Right In: 61.139+/-0.401 χ^2/NDF: 3229.3/15

Left Out: 61.561+/-0.178 χ^2/NDF:1765.4/17

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 60.780+/-0.176 χ^2/NDF:1477.4/16

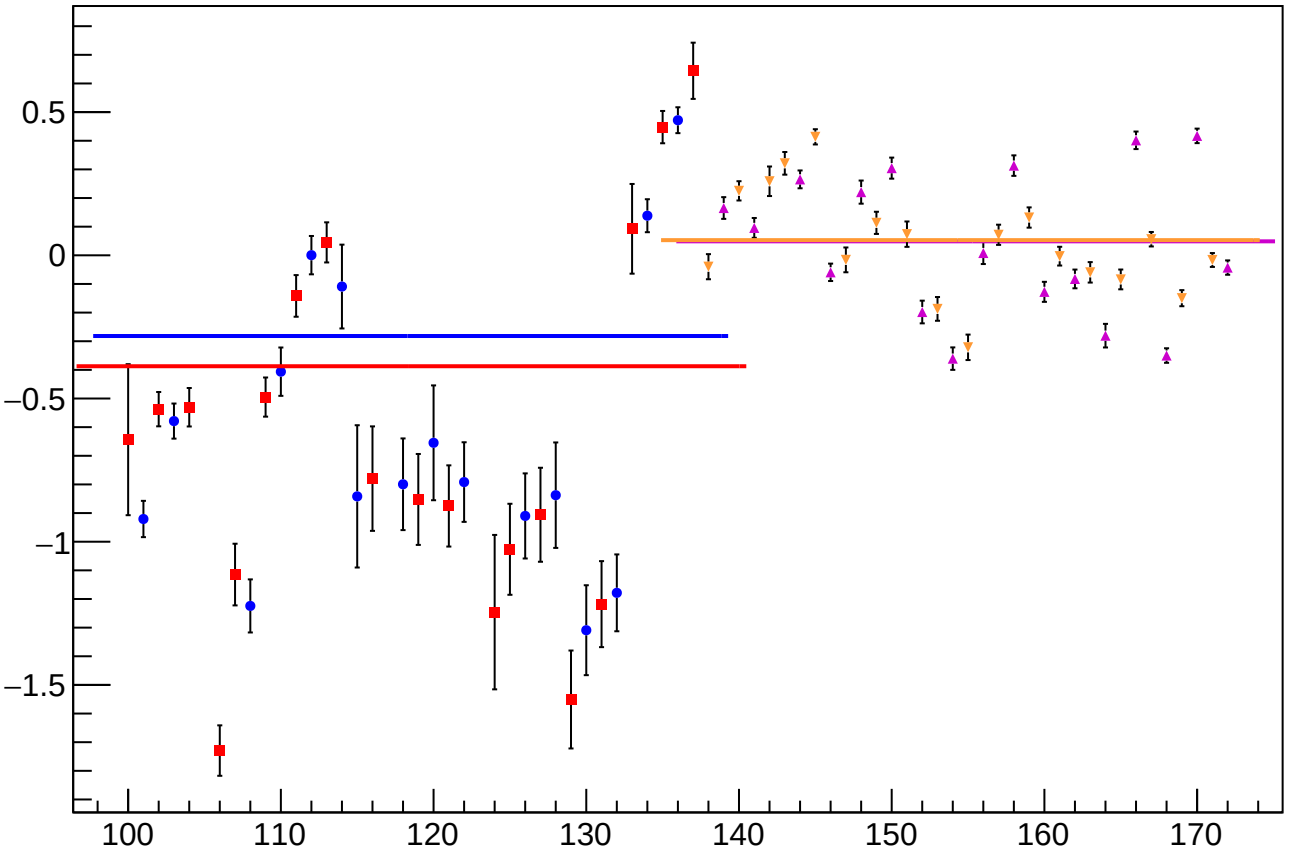
Left: 61.167+/-0.125 χ^2/NDF: 3252.6/34

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 60.838+/-0.161 χ^2/NDF:4707.4/32

Out: 60.929+/-0.163 χ^2/NDF:4617.7/36

All: 60.883+/-0.114 χ^2/NDF: 9325.3/69



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.053+/-0.008 χ^2/NDF:479.9/17

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.049+/-0.008 χ^2/NDF:1052.0/16

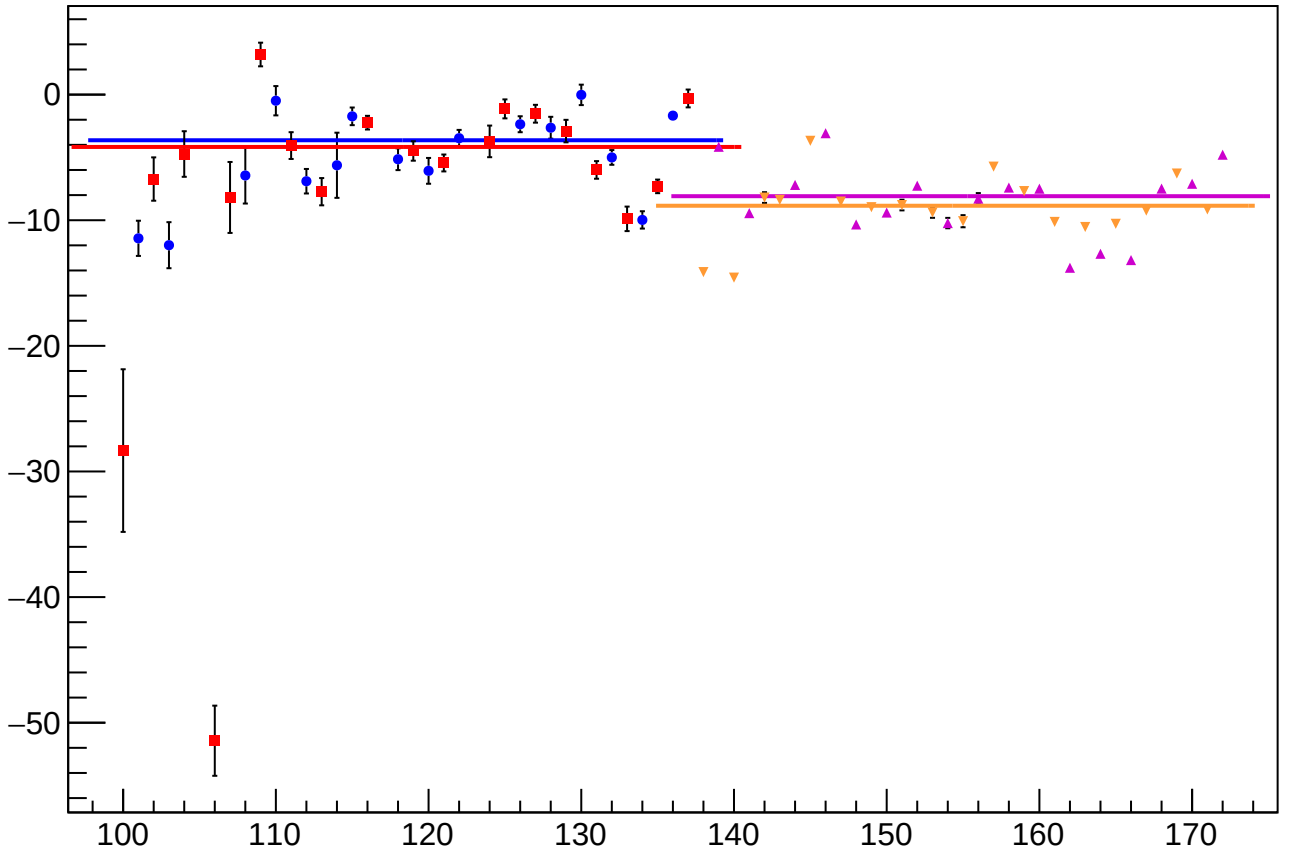
Left: 0.051+/-0.006 χ^2/NDF: 1532.1/34

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

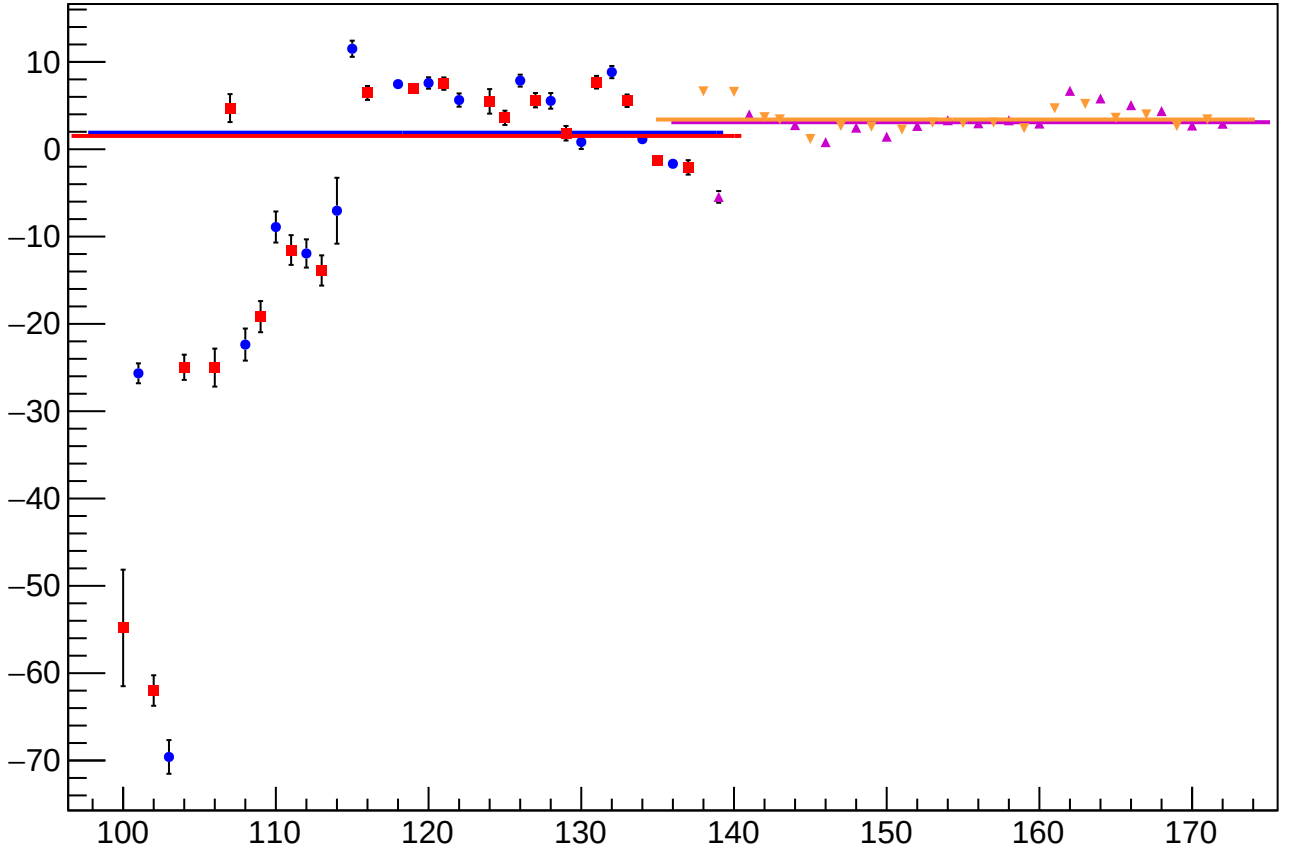
In: 0.010+/-0.007 χ^2/NDF:1986.0/32

Out: 0.000+/-0.008 χ^2/NDF:1654.2/36

All: 0.005+/-0.005 χ^2/NDF: 3641.0/69


reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
100
110
120
130
140
150
160
170
Right In: -3.634+/-0.189 χ²/NDF: 234.8/15
Left Out: -8.847+/-0.072 χ²/NDF:1529.7/17
Right Out: -4.167+/-0.199 χ²/NDF: 529.7/18
Left In: -8.086+/-0.070 χ²/NDF:1994.0/16
Left: -8.458+/-0.050 χ²/NDF: 3581.3/34
Right: -3.886+/-0.137 χ²/NDF: 768.2/34
In: -7.548+/-0.066 χ²/NDF:2716.5/32
Out: -8.311+/-0.067 χ²/NDF:2547.0/36
All: -7.920+/-0.047 χ²/NDF: 5329.1/69

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.404+/-0.051 χ^2/NDF:667.8/17

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: 3.247+/-0.036 χ^2/NDF: 1737.4/34

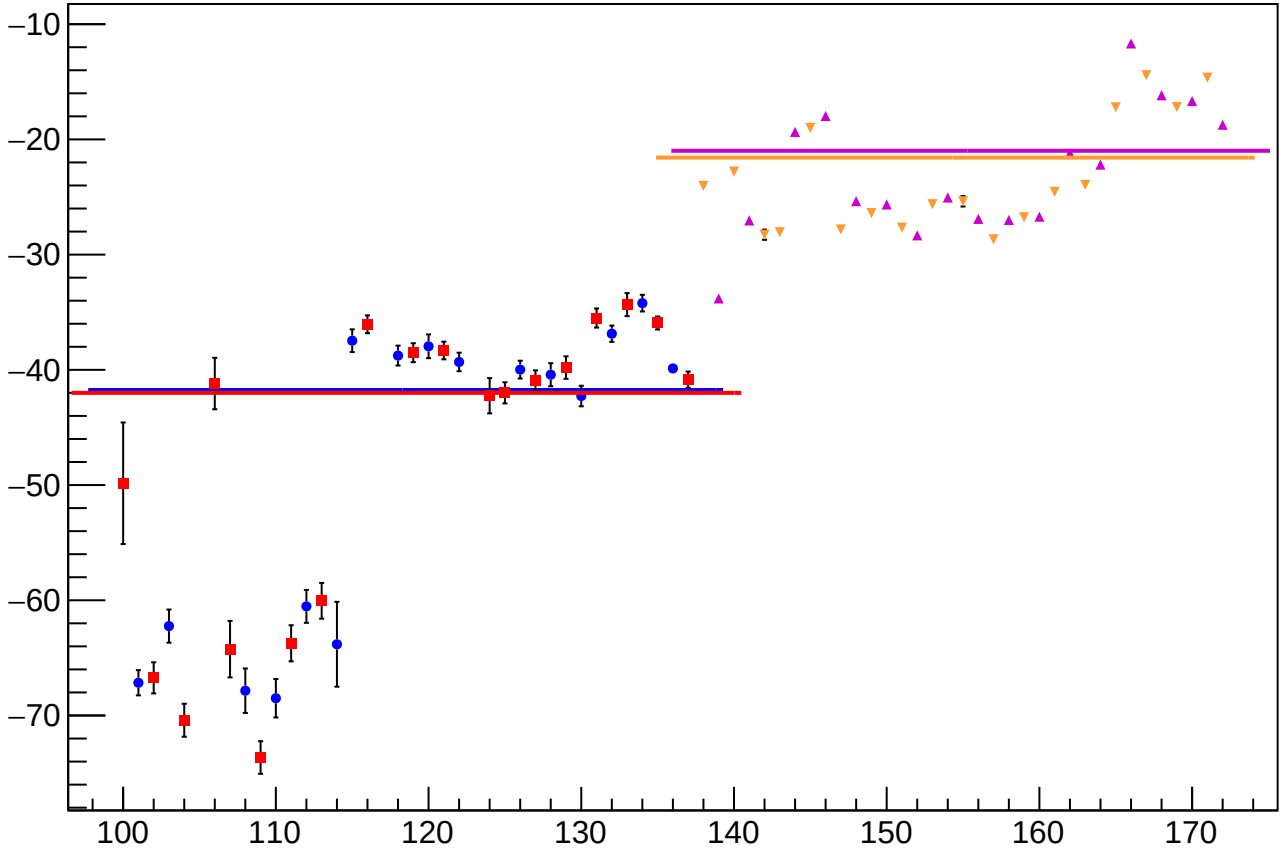
Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 3.018+/-0.048 χ^2/NDF:3926.8/32

Out: 3.297+/-0.050 χ^2/NDF:3304.4/36

All: 3.154+/-0.035 χ^2/NDF: 7247.5/69

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: -21.579+/-0.071 χ^2/NDF:5136.1/17

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: -21.276+/-0.050 χ^2/NDF: 11054.7/34

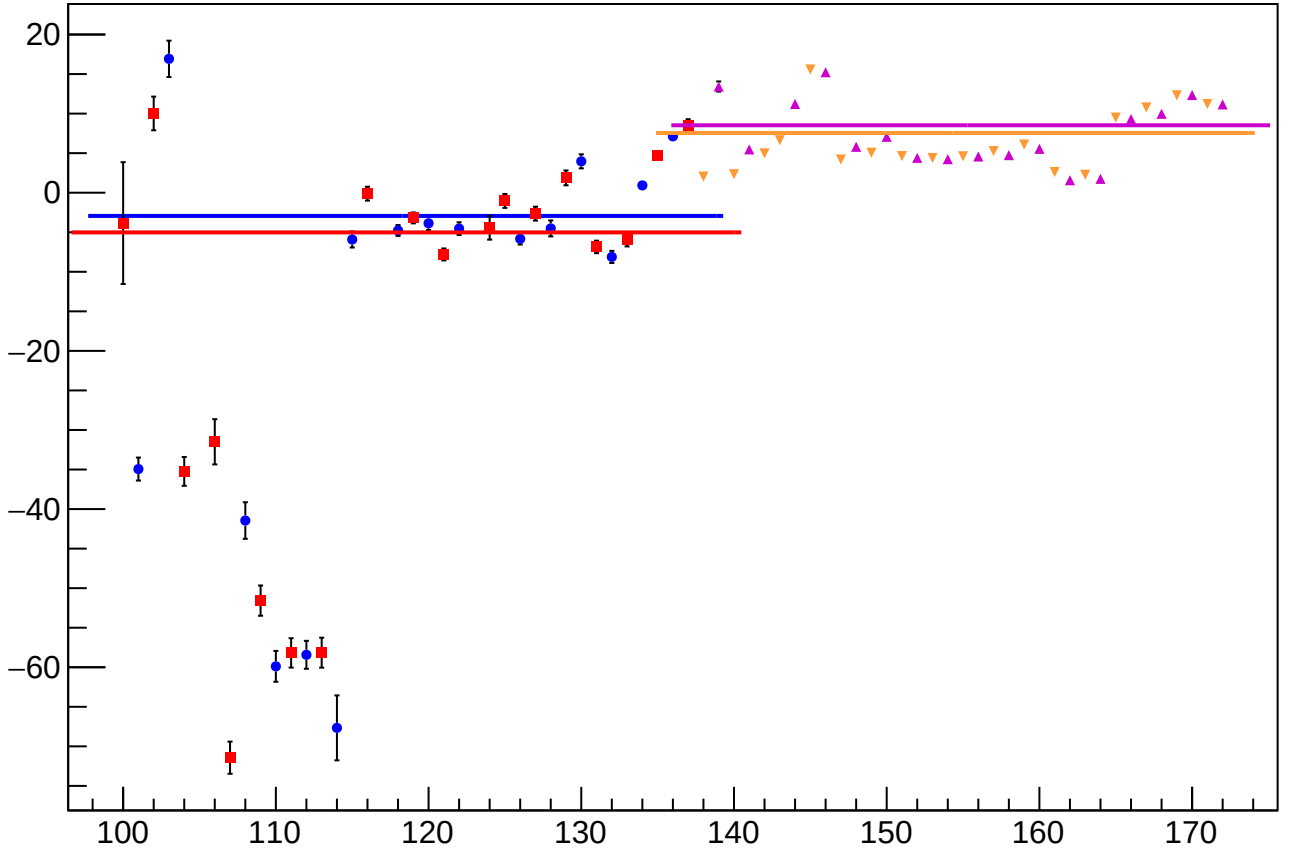
Right: -41.863+/-0.154 χ^2/NDF: 3619.8/34

In: -23.058+/-0.066 χ^2/NDF:16520.2/32

Out: -23.380+/-0.068 χ^2/NDF:14418.0/36

All: -23.213+/-0.047 χ^2/NDF: 30949.8/69

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: 7.550+/-0.058 χ^2/NDF:5210.9/17

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: 8.047+/-0.041 χ^2/NDF: 10466.6/34

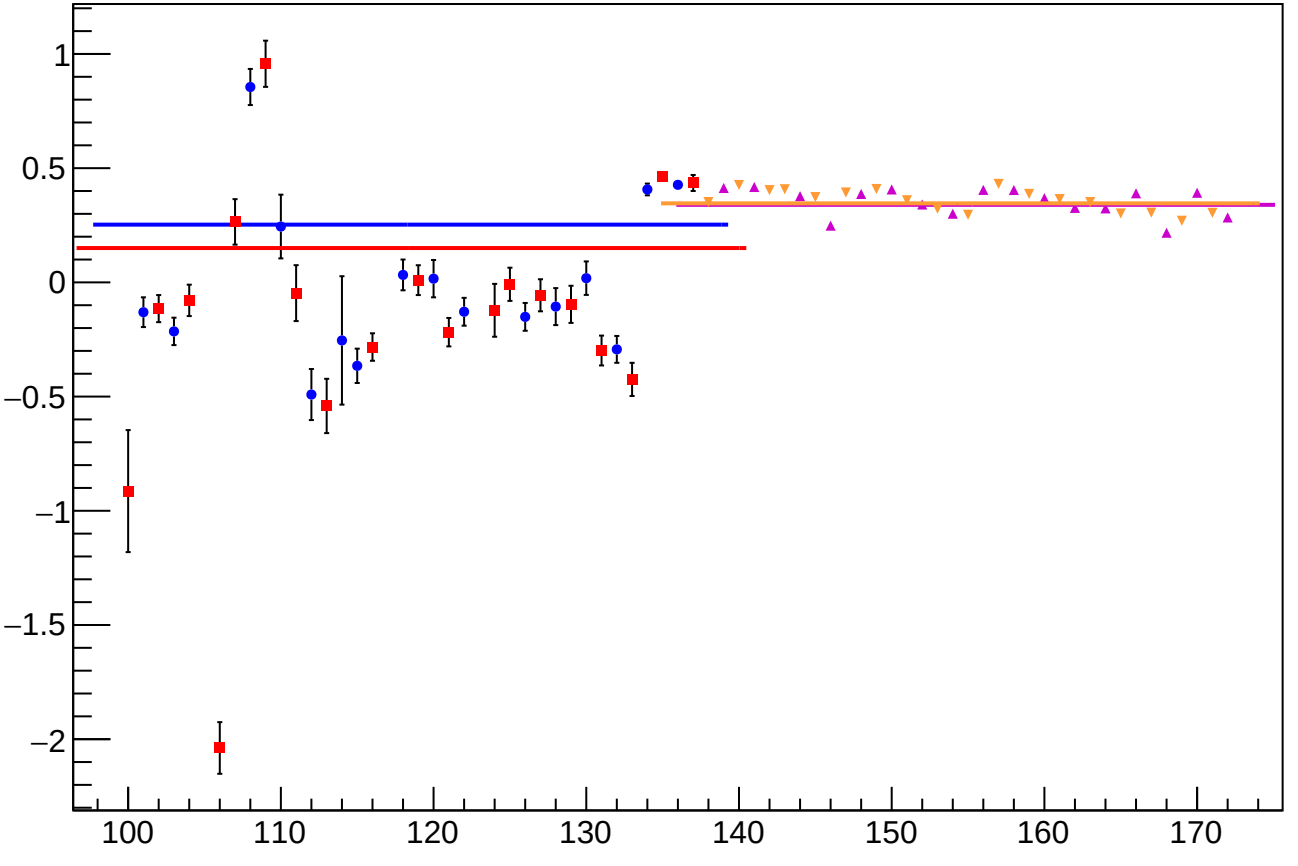
Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 7.731+/-0.055 χ^2/NDF:11620.2/32

Out: 6.801+/-0.057 χ^2/NDF:12352.8/36

All: 7.278+/-0.040 χ^2/NDF: 24111.3/69

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: 0.346+/-0.003 χ^2/NDF:348.4/17

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.339+/-0.003 χ^2/NDF:655.8/16

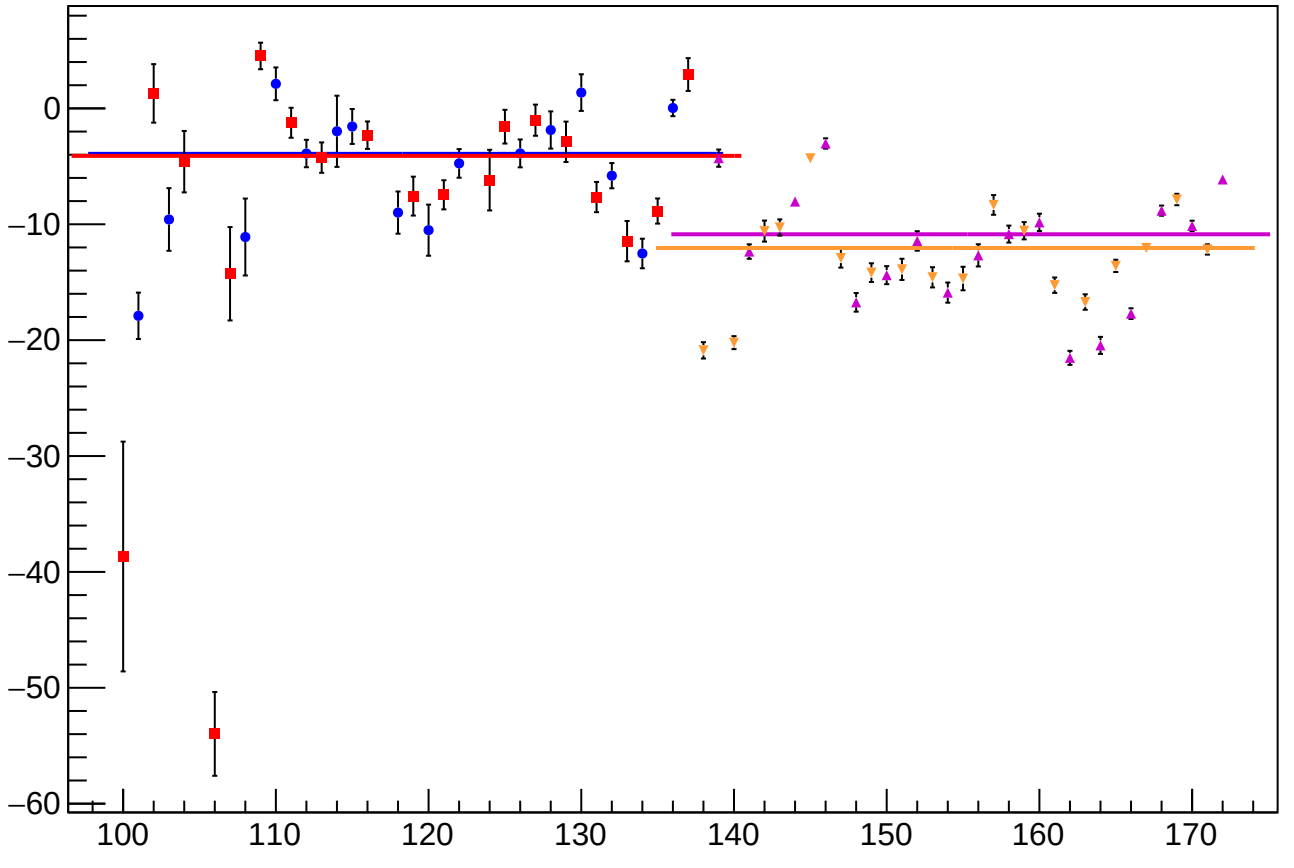
Left: 0.343+/-0.002 χ^2/NDF: 1007.3/34

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.335+/-0.003 χ^2/NDF:1341.1/32

Out: 0.339+/-0.003 χ^2/NDF:1573.1/36

All: 0.337+/-0.002 χ^2/NDF: 2915.0/69



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -12.044+/-0.145 χ^2/NDF:966.4/17

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: -11.439+/-0.101 χ^2/NDF: 2389.7/34

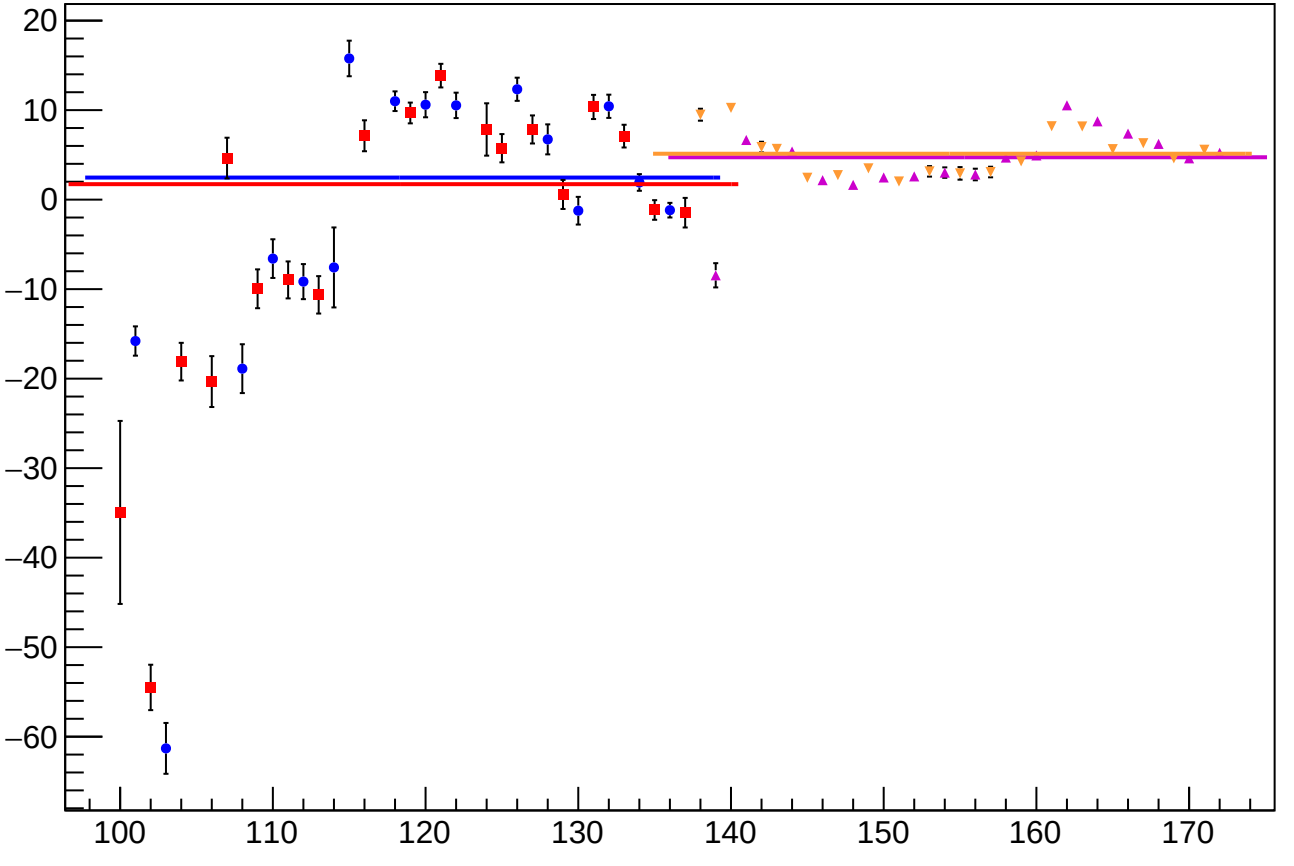
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -9.874+/-0.131 χ^2/NDF:1922.9/32

Out: -10.921+/-0.134 χ^2/NDF:1759.3/36

All: -10.384+/-0.094 χ^2/NDF: 3713.4/69

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: 5.128+/-0.104 χ^2/NDF:471.0/17

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 4.733+/-0.101 χ^2/NDF:604.2/16

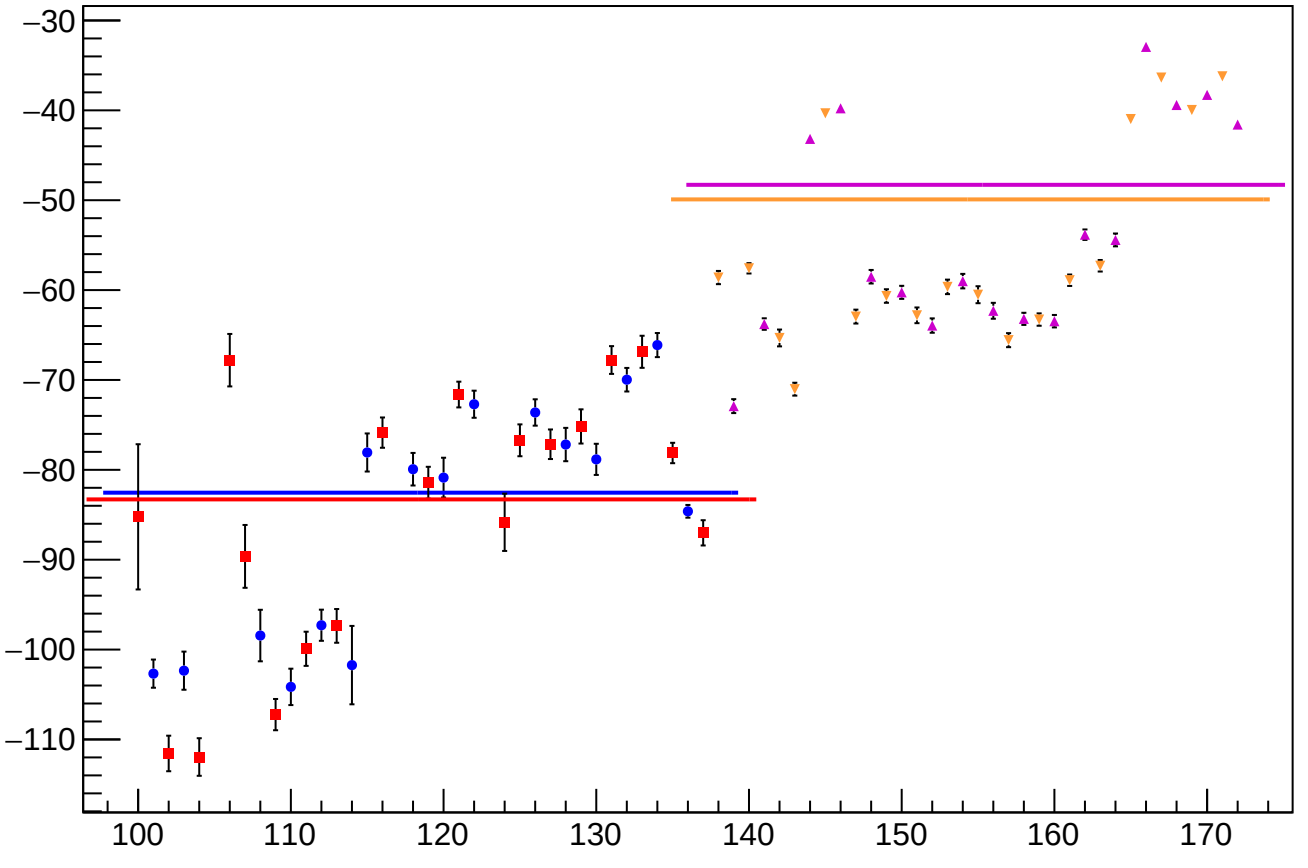
Left: 4.924+/-0.072 χ^2/NDF: 1082.7/34

Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 4.566+/-0.097 χ^2/NDF:1688.4/32

Out: 4.899+/-0.100 χ^2/NDF:1526.5/36

All: 4.727+/-0.070 χ^2/NDF: 3220.5/69



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -49.909+/-0.144 χ^2/NDF:6768.7/17

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: -49.074+/-0.100 χ^2/NDF: 13544.0/34

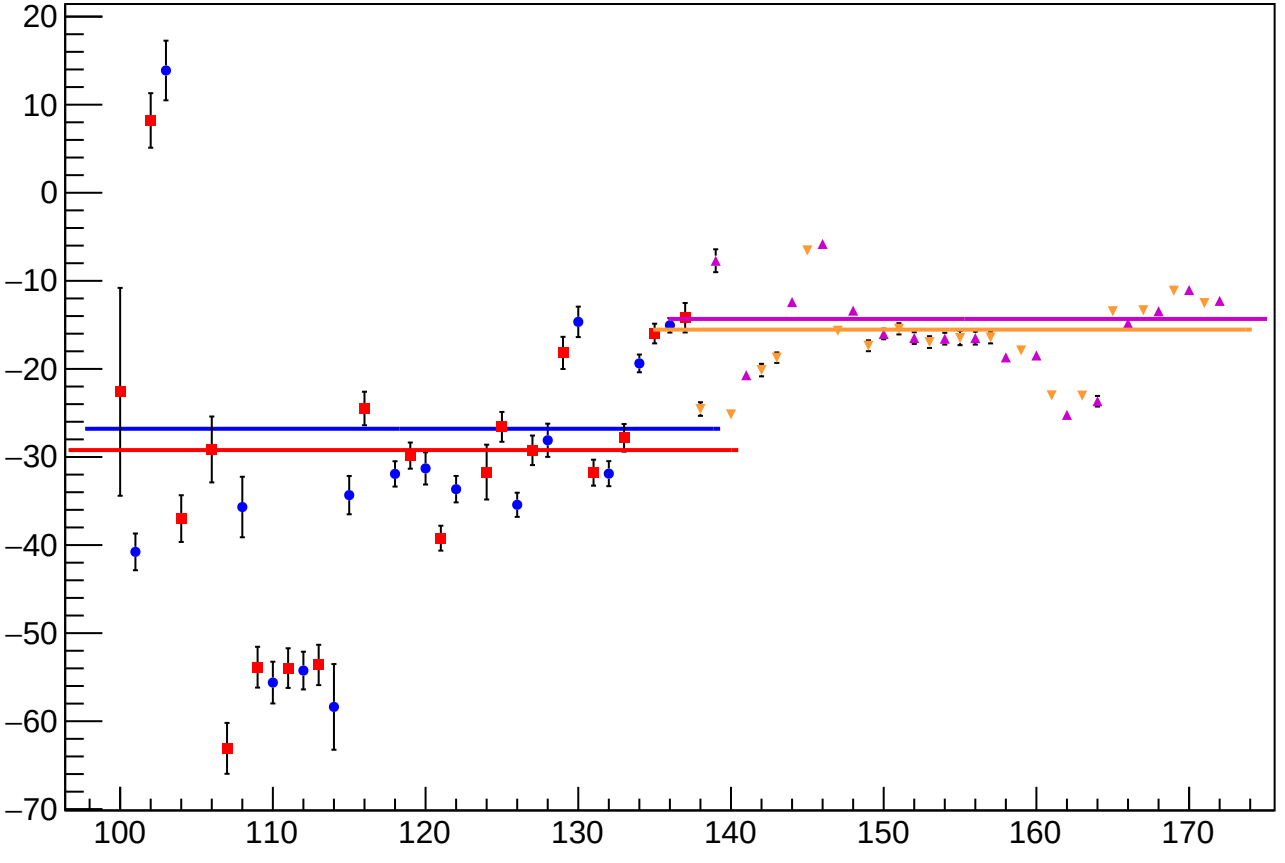
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -52.273+/-0.131 χ^2/NDF:14568.7/32

Out: -53.496+/-0.136 χ^2/NDF:13656.9/36

All: -52.863+/-0.094 χ^2/NDF: 28267.5/69

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: -15.538+/-0.118 χ^2/NDF:1879.5/17

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -14.327+/-0.115 χ^2/NDF:1904.2/16

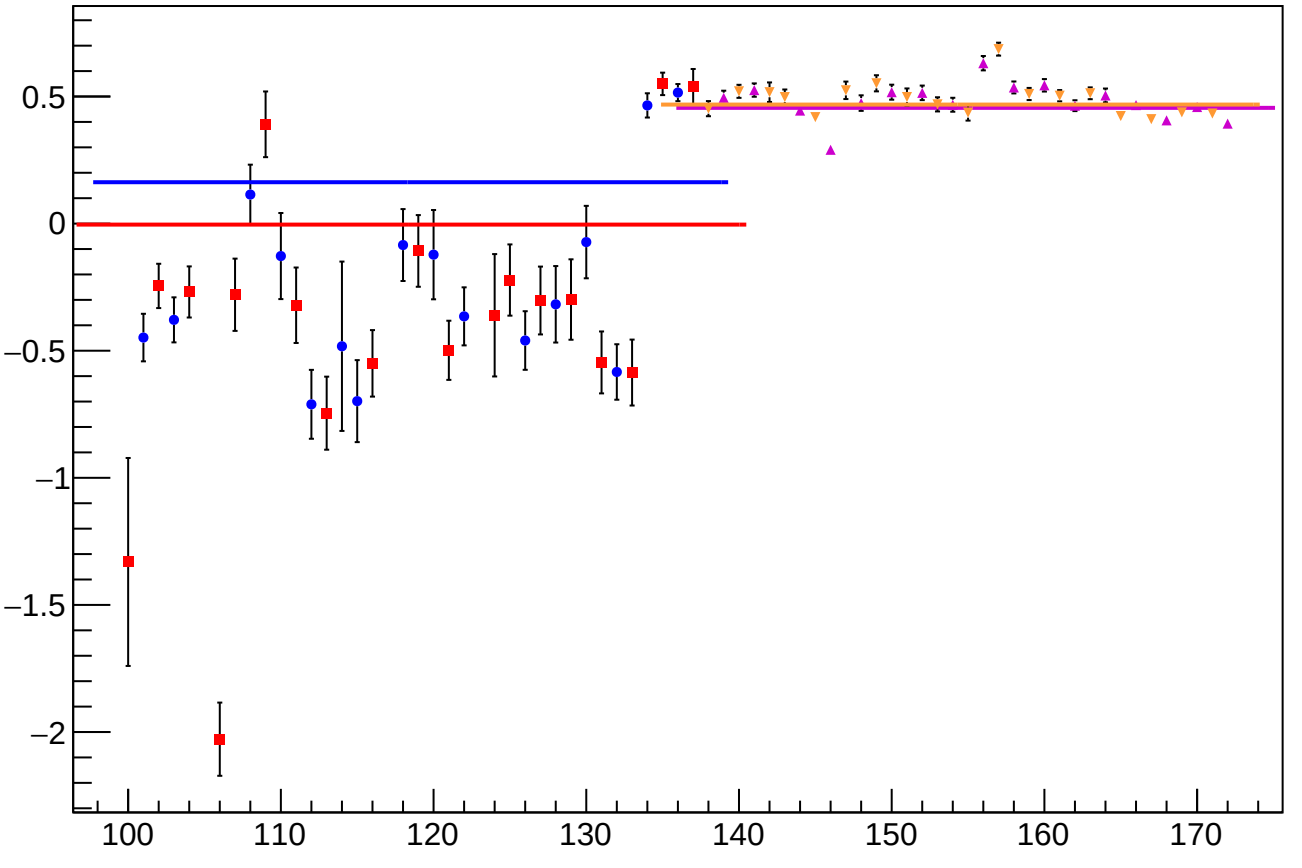
Left: -14.917+/-0.083 χ^2/NDF: 3837.4/34

Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -15.304+/-0.111 χ^2/NDF:3783.3/32

Out: -16.497+/-0.114 χ^2/NDF:3776.2/36

All: -15.882+/-0.079 χ^2/NDF: 7615.8/69



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.468+/-0.005 χ^2/NDF:138.2/17

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.455+/-0.005 χ^2/NDF:190.1/16

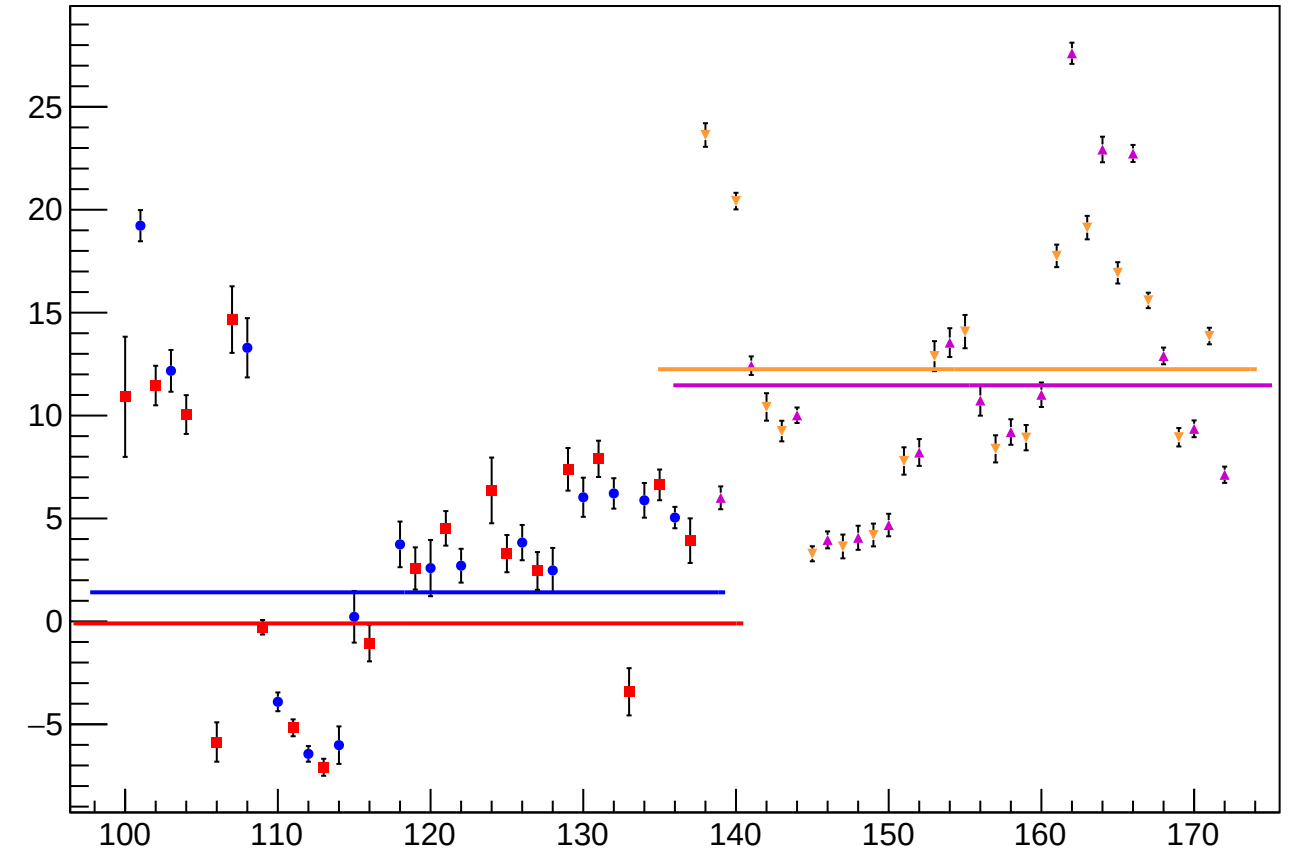
Left: 0.462+/-0.004 χ^2/NDF: 331.3/34

Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

In: 0.439+/-0.005 χ^2/NDF:789.1/32

Out: 0.447+/-0.005 χ^2/NDF:1068.7/36

All: 0.443+/-0.004 χ^2/NDF: 1858.9/69



Right In: 1.412+/-0.183 χ^2/NDF: 1522.1/15

Left Out: 12.253+/-0.121 χ^2/NDF:2478.0/17

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: 11.857+/-0.085 χ^2/NDF: 5529.3/34

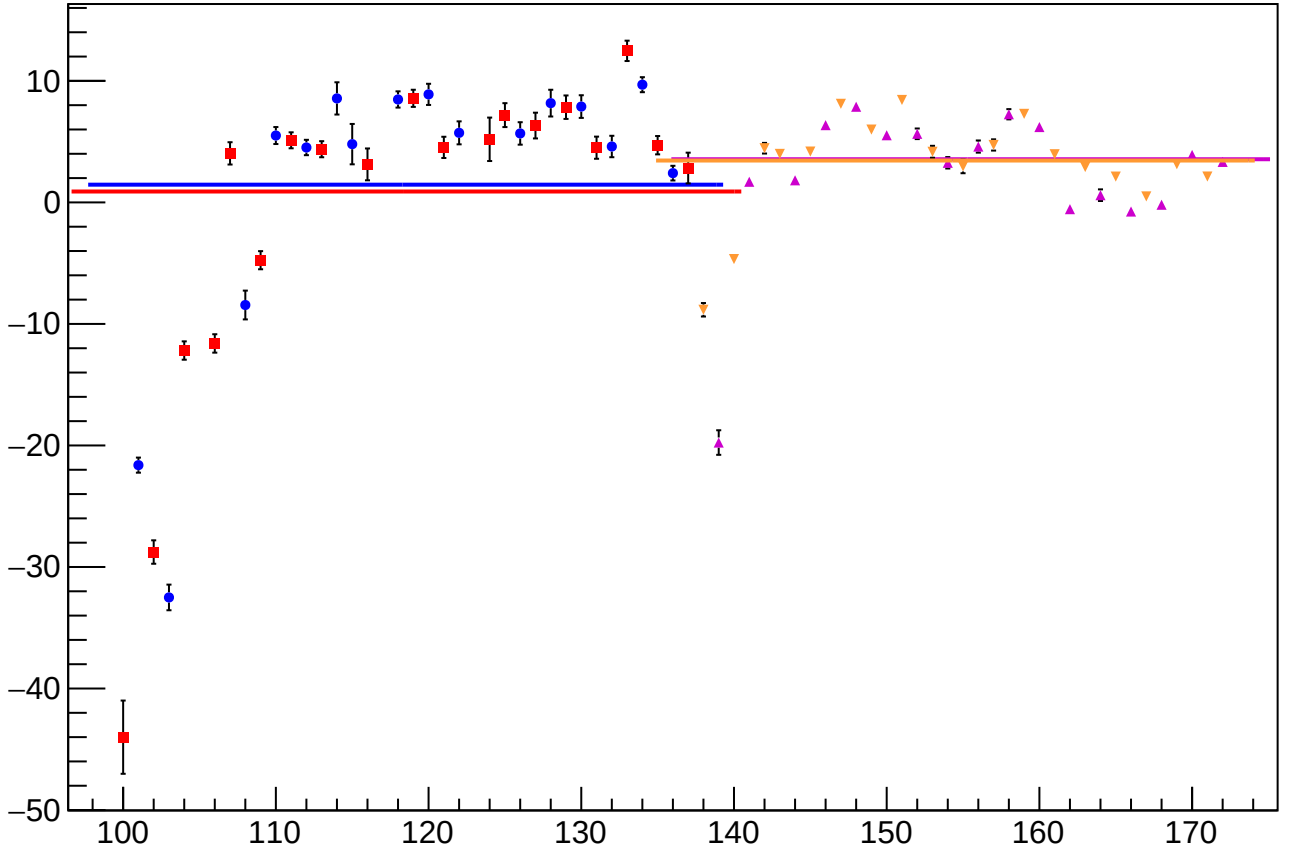
Right: 0.589+/-0.124 χ^2/NDF: 2706.4/34

In: 8.454+/-0.100 χ^2/NDF:6665.2/32

Out: 8.012+/-0.098 χ^2/NDF:7199.7/36

All: 8.228+/-0.070 χ^2/NDF: 13874.9/69

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.459+/-0.203 χ^2/NDF: 3080.3/15

Left Out: 3.446+/-0.086 χ^2/NDF:1876.9/17

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 3.552+/-0.085 χ^2/NDF:1594.2/16

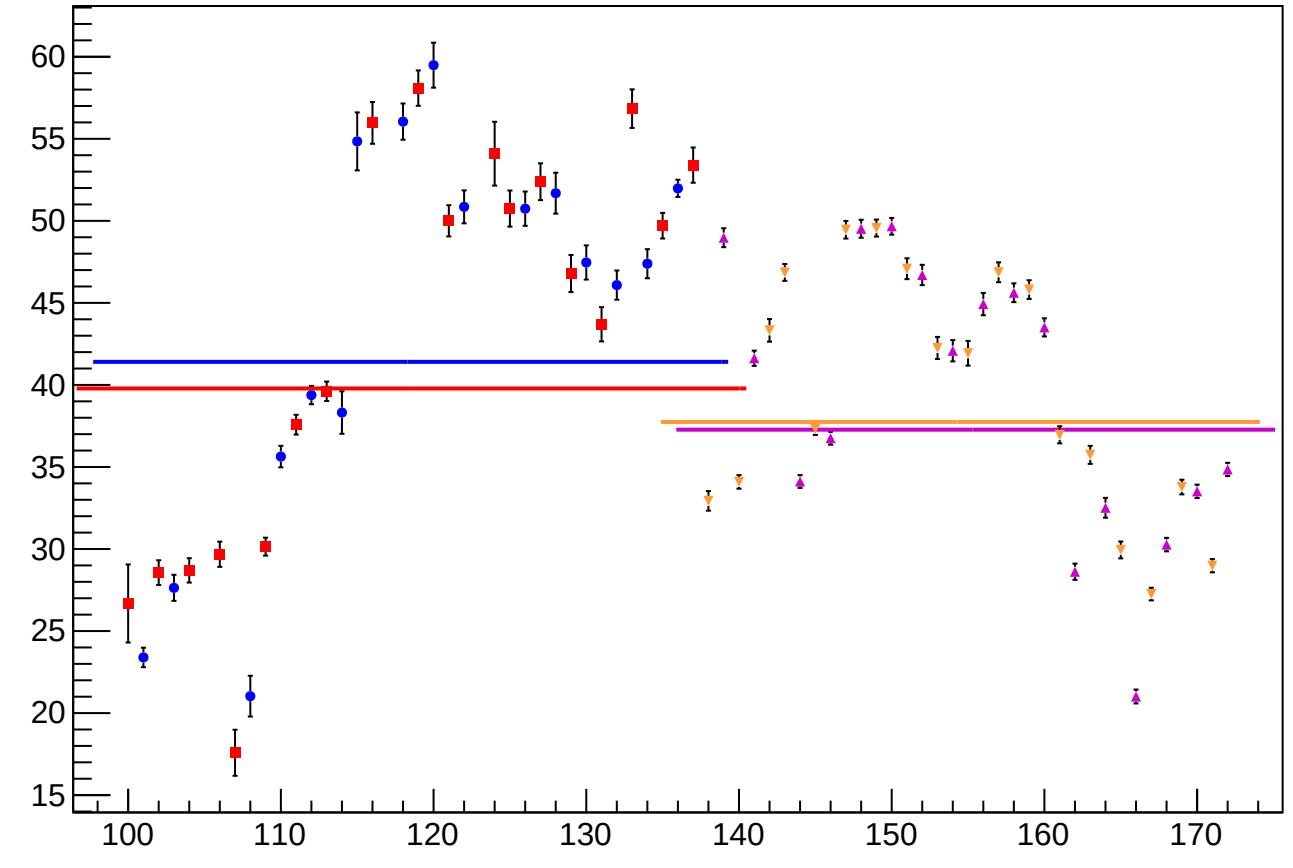
Left: 3.500+/-0.060 χ^2/NDF: 3471.9/34

Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 3.241+/-0.078 χ^2/NDF:4764.6/32

Out: 3.057+/-0.079 χ^2/NDF:4389.0/36

All: 3.150+/-0.056 χ^2/NDF: 9156.3/69



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 37.745+/-0.120 χ^2/NDF:3777.8/17

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: 37.506+/-0.084 χ^2/NDF: 8447.2/34

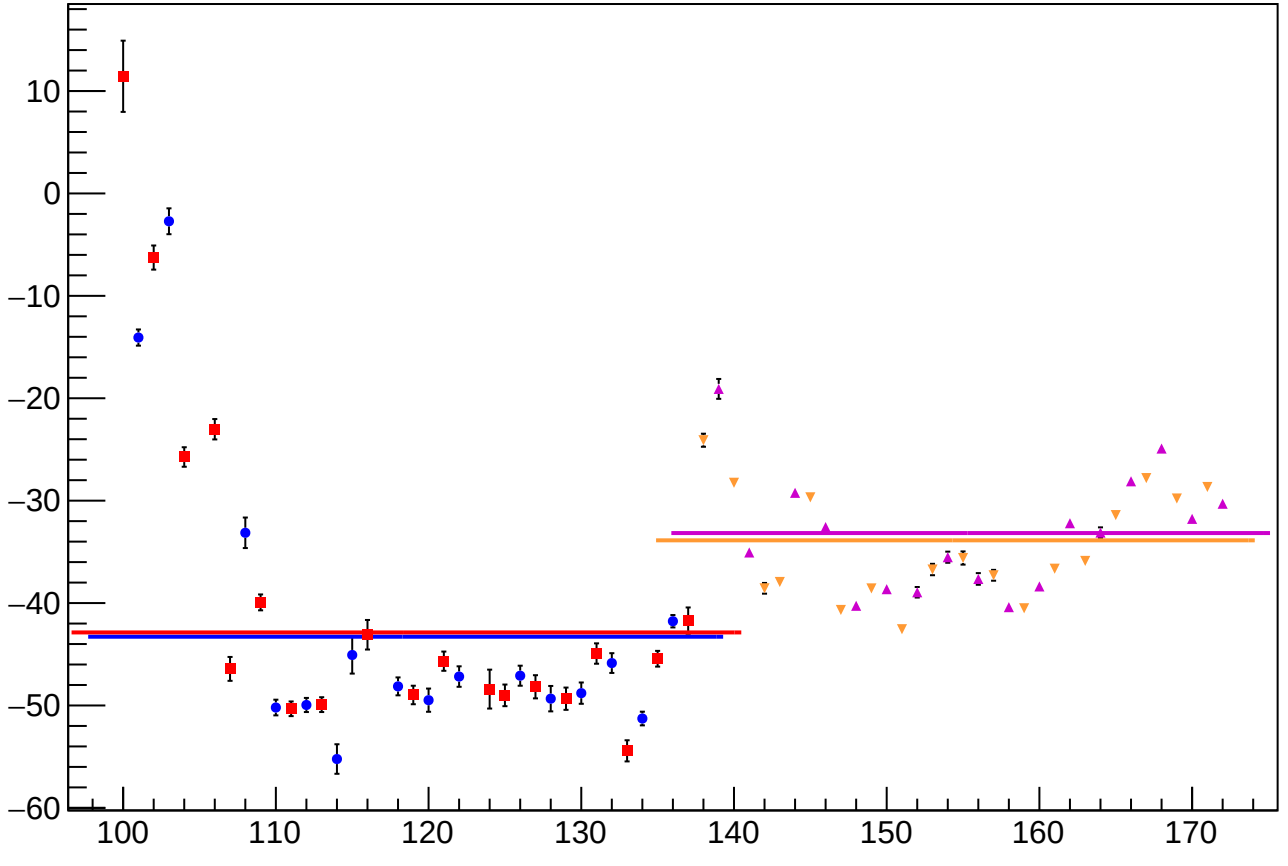
Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 38.262+/-0.103 χ^2/NDF:7700.6/32

Out: 38.272+/-0.103 χ^2/NDF:6506.5/36

All: 38.267+/-0.073 χ^2/NDF: 14207.1/69

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: -33.874+/-0.099 χ^2/NDF:2713.8/17

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -33.163+/-0.098 χ^2/NDF:2285.1/16

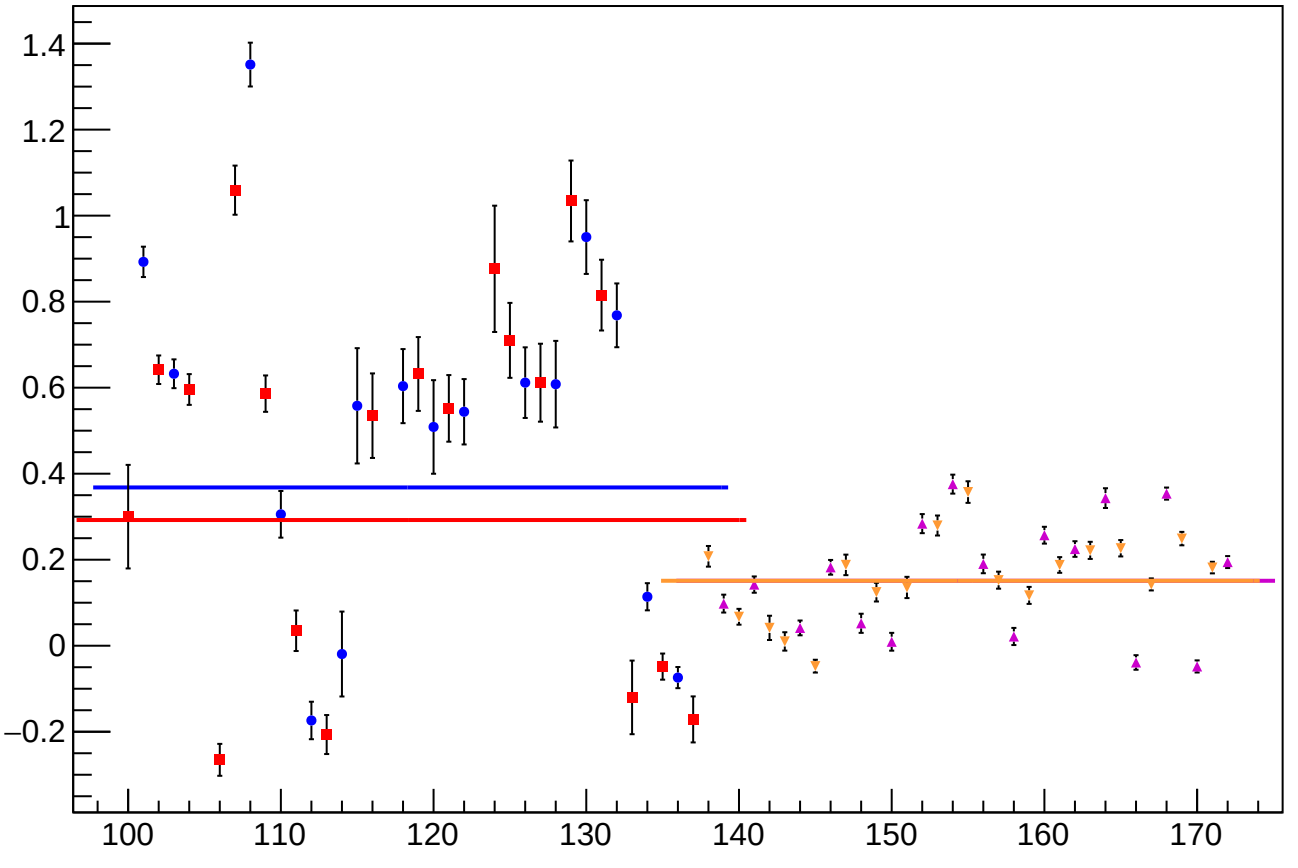
Left: -33.516+/-0.069 χ^2/NDF: 5025.0/34

Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -34.723+/-0.090 χ^2/NDF:6918.2/32

Out: -35.283+/-0.091 χ^2/NDF:6468.3/36

All: -35.001+/-0.064 χ^2/NDF: 13405.7/69



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.151+/-0.004 χ^2/NDF:445.0/17

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: 0.151+/-0.003 χ^2/NDF: 1406.1/34

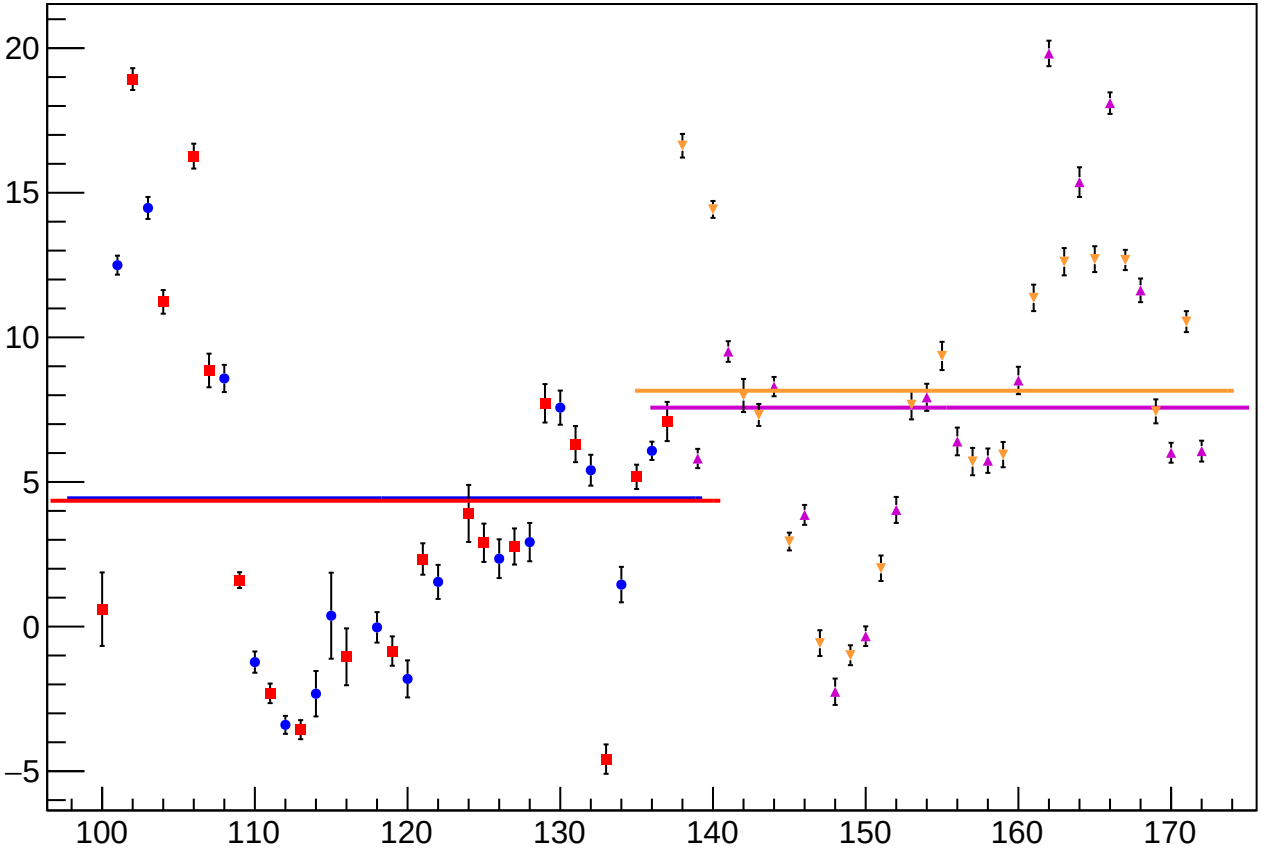
Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.176+/-0.004 χ^2/NDF:2561.8/32

Out: 0.168+/-0.004 χ^2/NDF:1763.9/36

All: 0.172+/-0.003 χ^2/NDF: 4327.5/69

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 8.155+/-0.095 χ^2/NDF:2982.4/17

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: 7.864+/-0.067 χ^2/NDF: 6214.5/34

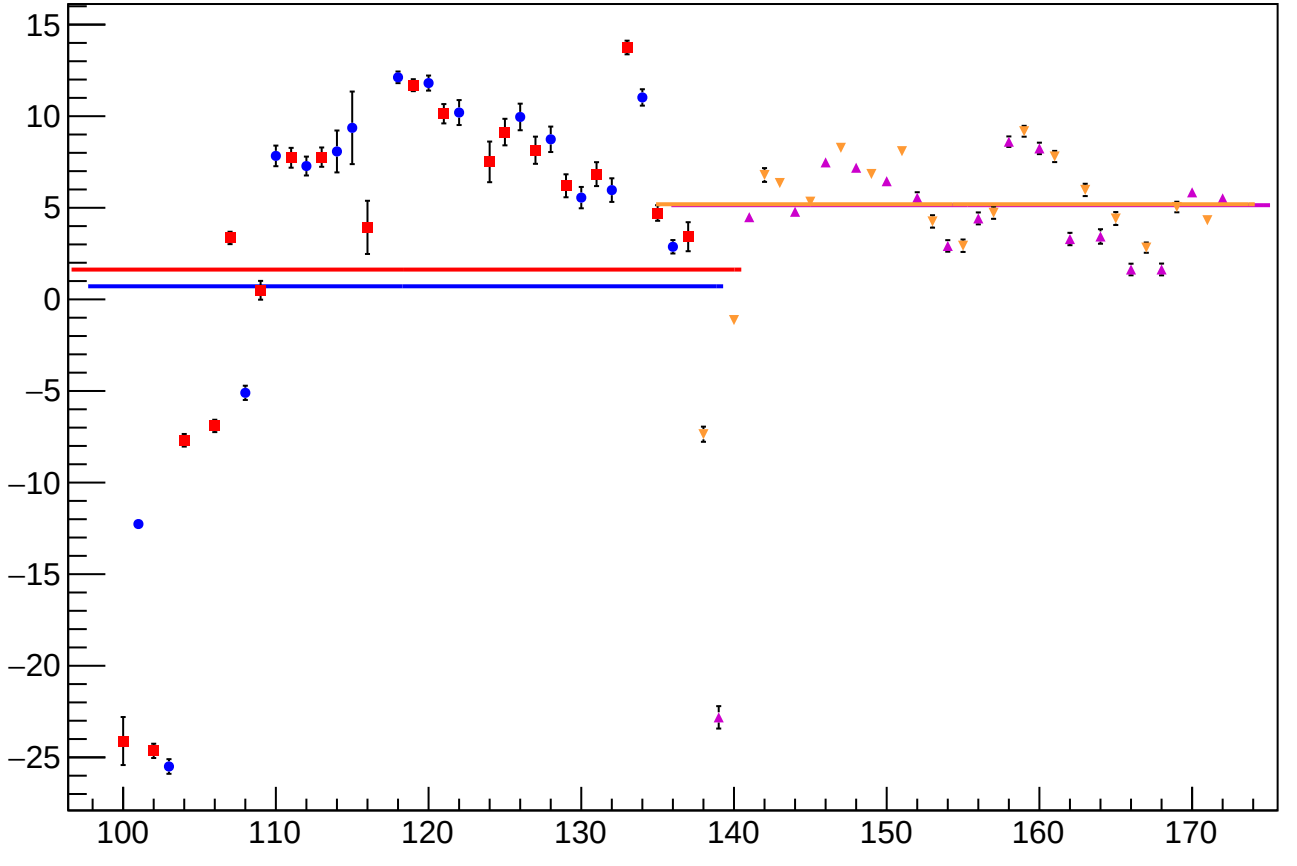
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 6.318+/-0.074 χ^2/NDF:6266.9/32

Out: 6.513+/-0.072 χ^2/NDF:7878.9/36

All: 6.419+/-0.051 χ^2/NDF: 14149.3/69

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: 5.194+/-0.067 χ^2/NDF:2435.9/17

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 5.142+/-0.069 χ^2/NDF:2938.2/16

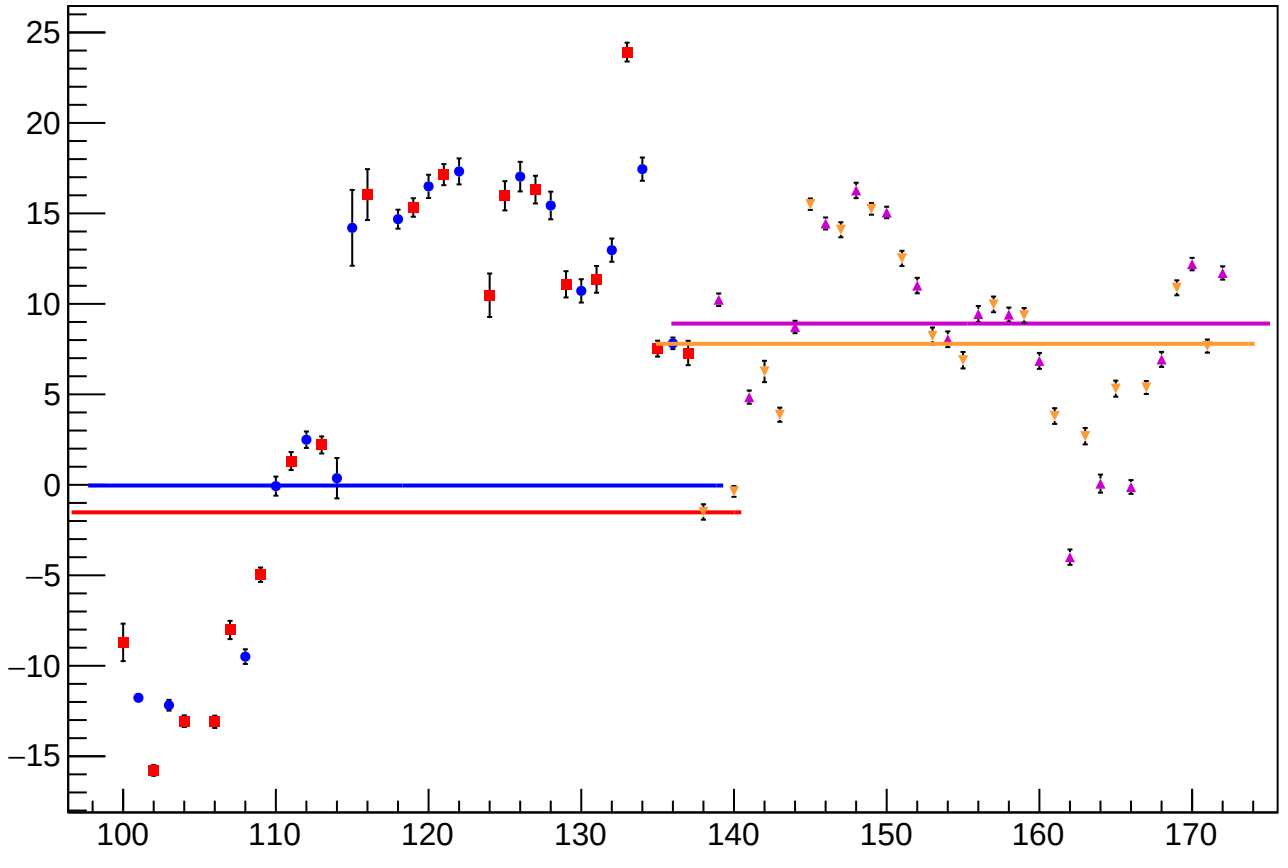
Left: 5.168+/-0.048 χ^2/NDF: 5374.3/34

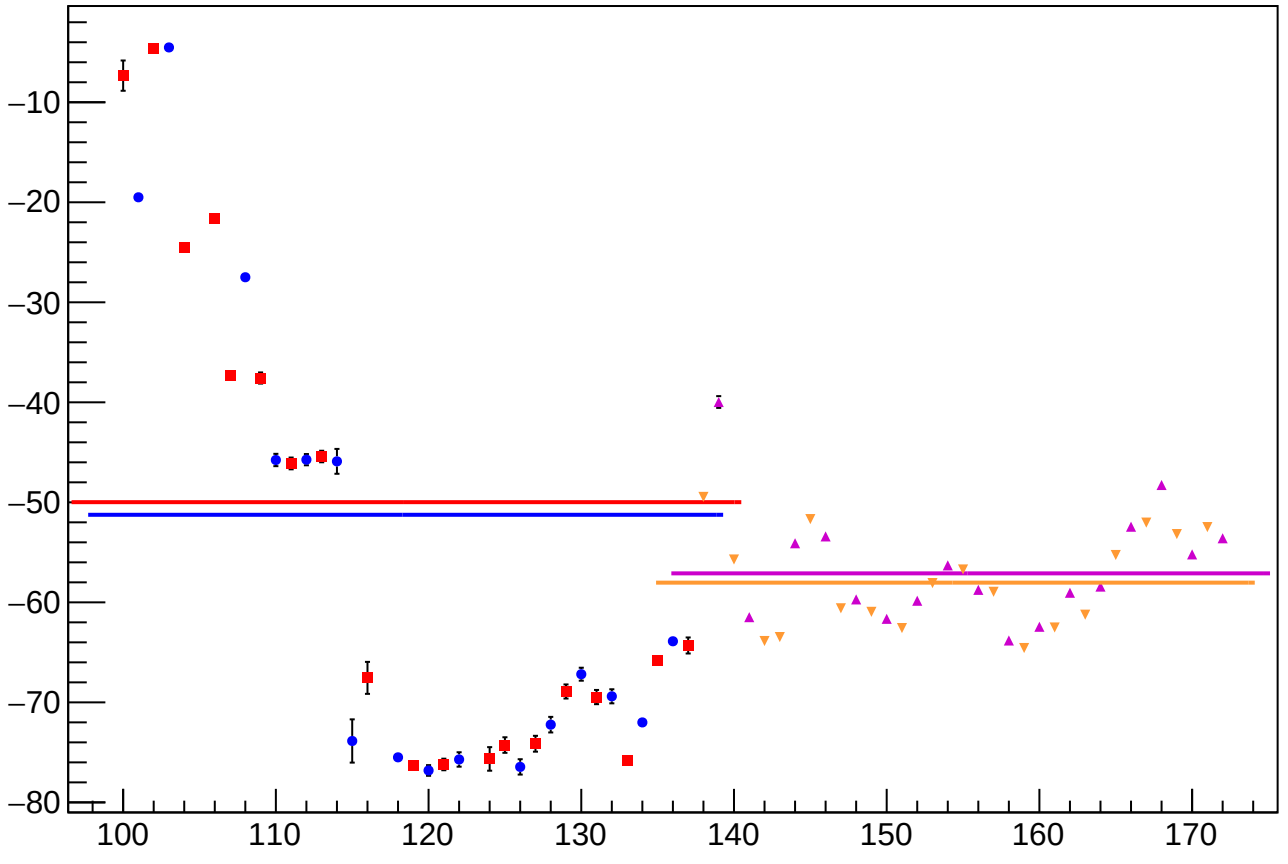
Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 3.995+/-0.059 χ^2/NDF:14472.8/32

Out: 4.239+/-0.057 χ^2/NDF:12447.1/36

All: 4.120+/-0.041 χ^2/NDF: 26928.7/69


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: 7.794+/-0.093 χ²/NDF:3202.8/17
Right Out: -1.521+/-0.115 χ²/NDF: 12130.2/18
Left In: 8.912+/-0.093 χ²/NDF:3117.8/16
Left: 8.353+/-0.066 χ²/NDF: 6392.2/34
Right: -0.807+/-0.083 χ²/NDF: 21484.6/34
In: 5.512+/-0.074 χ²/NDF:15878.7/32
Out: 4.092+/-0.073 χ²/NDF:19280.2/36
All: 4.792+/-0.052 χ²/NDF: 35348.0/69



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -58.030+/-0.078 χ^2/NDF:3476.2/17

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -57.102+/-0.079 χ^2/NDF:3526.7/16

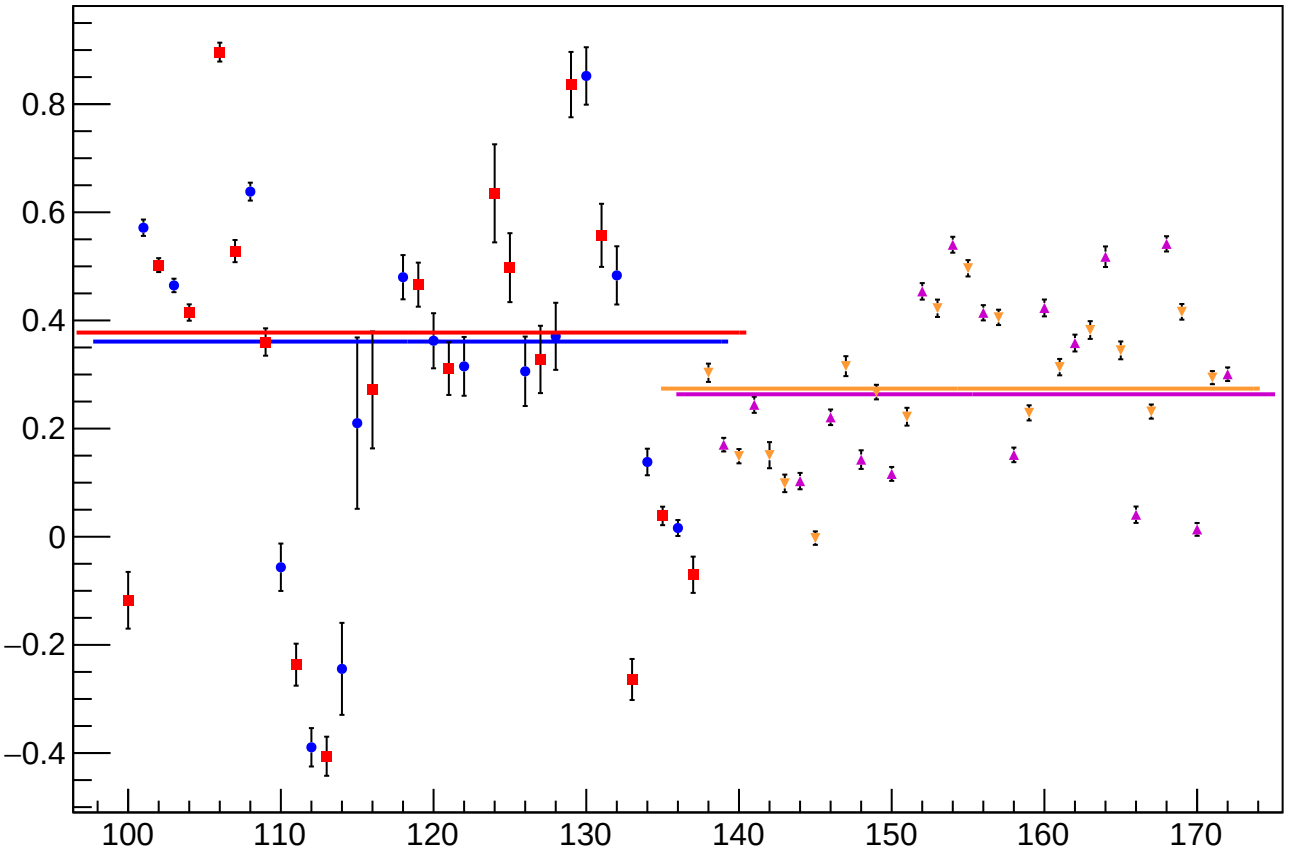
Left: -57.571+/-0.055 χ^2/NDF: 7073.5/34

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -55.633+/-0.068 χ^2/NDF:38685.7/32

Out: -55.931+/-0.067 χ^2/NDF:40171.7/36

All: -55.785+/-0.048 χ^2/NDF: 78867.3/69



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.274+/-0.004 χ^2/NDF:1319.0/17

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.263+/-0.003 χ^2/NDF:2424.1/16

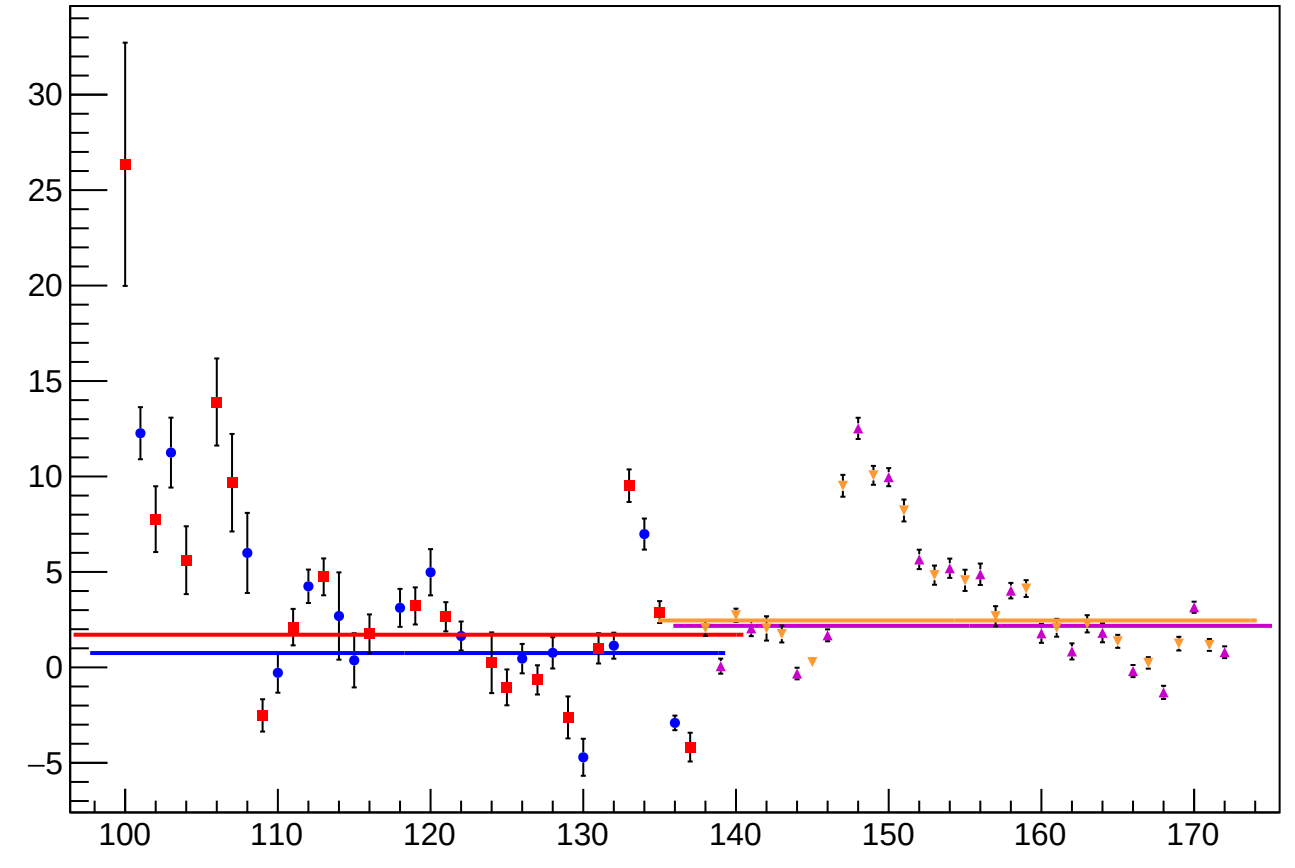
Left: 0.269+/-0.002 χ^2/NDF: 3747.6/34

Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

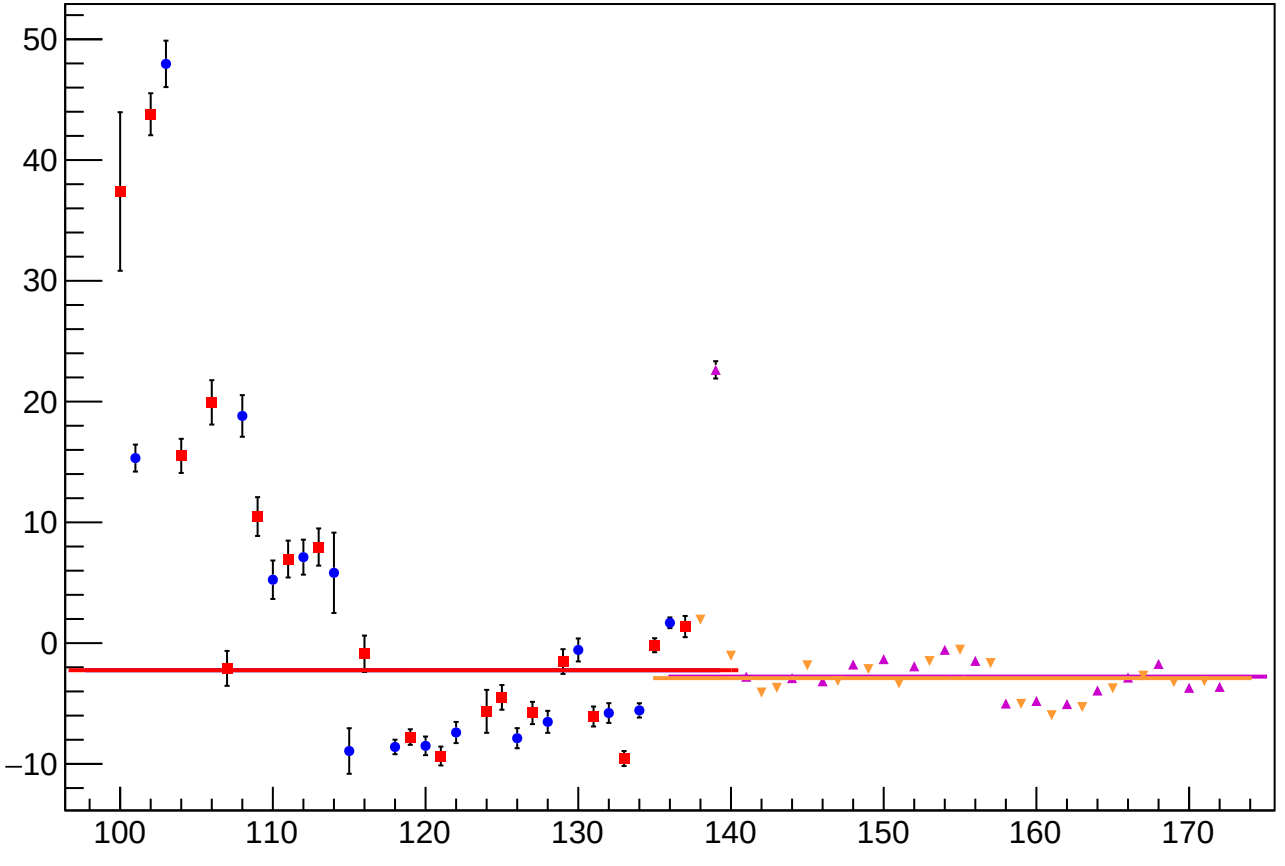
In: 0.286+/-0.003 χ^2/NDF:4464.7/32

Out: 0.300+/-0.003 χ^2/NDF:4325.3/36

All: 0.293+/-0.002 χ^2/NDF: 8800.3/69


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: 2.458+/-0.096 χ²/NDF:705.8/17
Right Out: 1.710+/-0.223 χ²/NDF: 293.8/18
Left In: 2.175+/-0.094 χ²/NDF:1040.0/16
Left: 2.315+/-0.067 χ²/NDF: 1750.3/34
Right: 1.208+/-0.154 χ²/NDF: 633.6/34
In: 1.941+/-0.086 χ²/NDF:1407.6/32
Out: 2.342+/-0.088 χ²/NDF:1009.2/36
All: 2.138+/-0.062 χ²/NDF: 2427.5/69

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: -2.898+/-0.069 χ^2/NDF:521.1/17

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: -2.835+/-0.048 χ^2/NDF: 2083.6/34

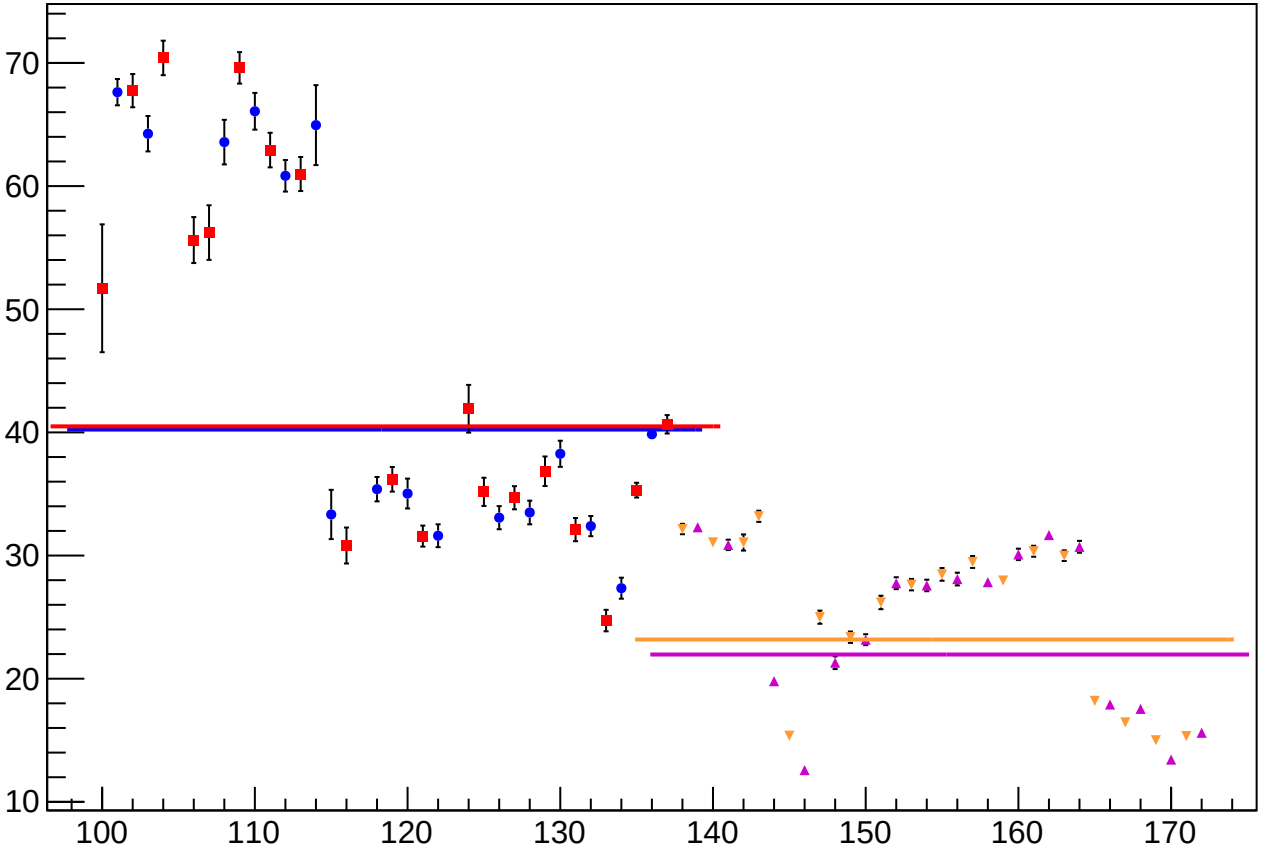
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.725+/-0.065 χ^2/NDF:3138.8/32

Out: -2.843+/-0.066 χ^2/NDF:2084.3/36

All: -2.783+/-0.046 χ^2/NDF: 5224.7/69

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: 23.181+/-0.095 χ^2/NDF:5277.8/17

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 21.964+/-0.093 χ^2/NDF:5560.2/16

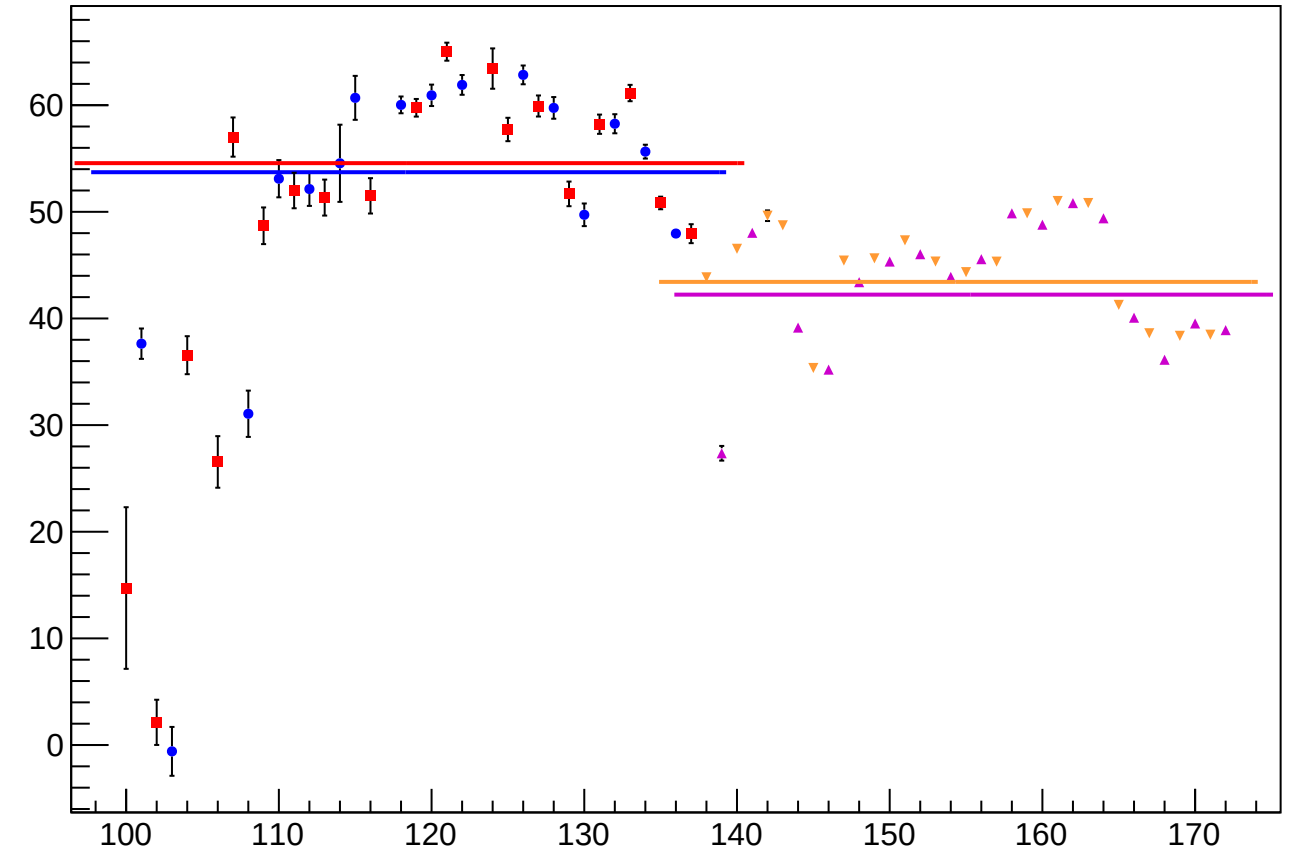
Left: 22.561+/-0.066 χ^2/NDF: 10922.2/34

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 24.500+/-0.086 χ^2/NDF:13216.8/32

Out: 25.343+/-0.089 χ^2/NDF:12156.1/36

All: 24.911+/-0.062 χ^2/NDF: 25419.4/69



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 43.430+/-0.078 χ^2/NDF:4239.6/17

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 42.235+/-0.078 χ^2/NDF:4720.2/16

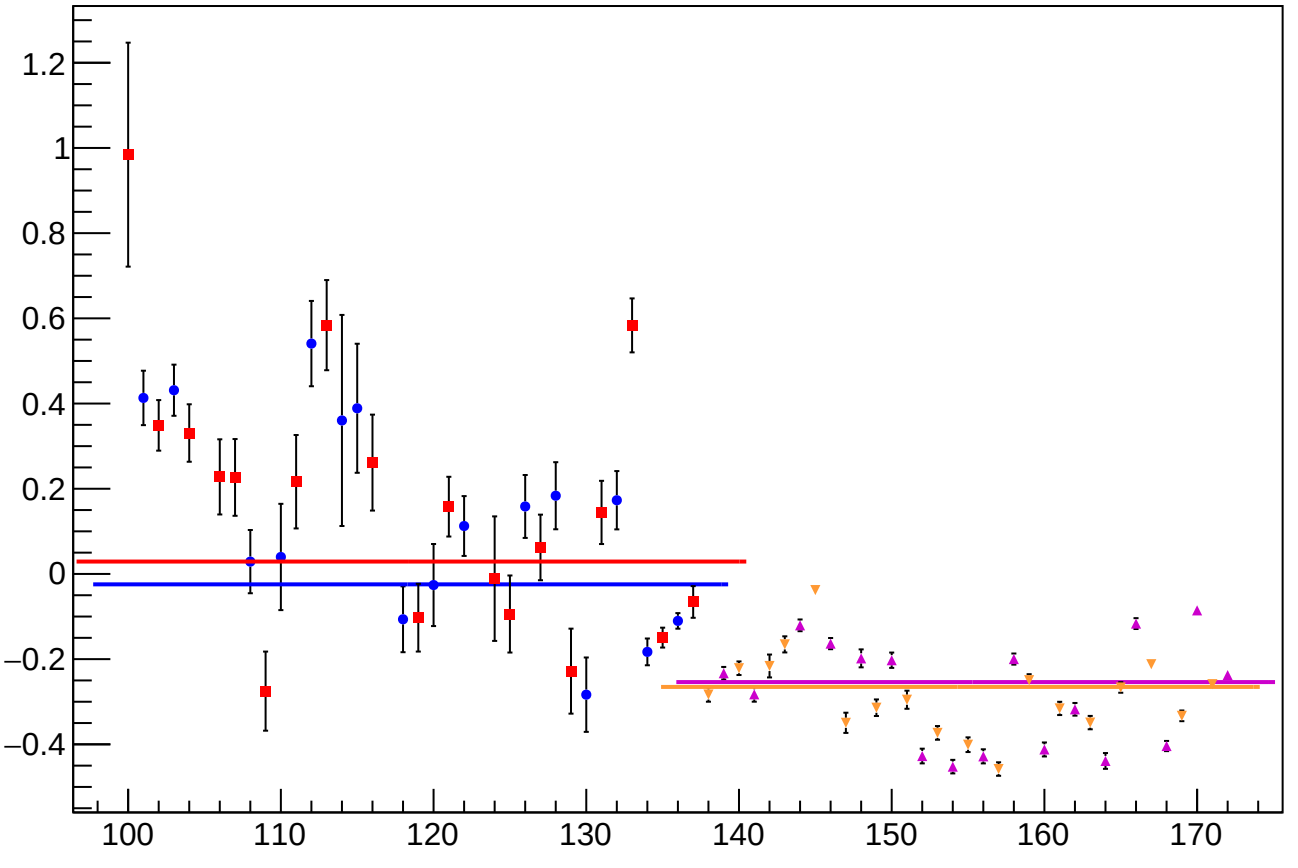
Left: 42.826+/-0.055 χ^2/NDF: 9077.3/34

Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 43.328+/-0.074 χ^2/NDF:8170.3/32

Out: 44.386+/-0.075 χ^2/NDF:7309.9/36

All: 43.848+/-0.053 χ^2/NDF: 15581.3/69



Right In: -0.024+/-0.013 χ^2/NDF: 229.7/15

Left Out: -0.265+/-0.004 χ^2/NDF:852.9/17

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.254+/-0.003 χ^2/NDF:1310.3/16

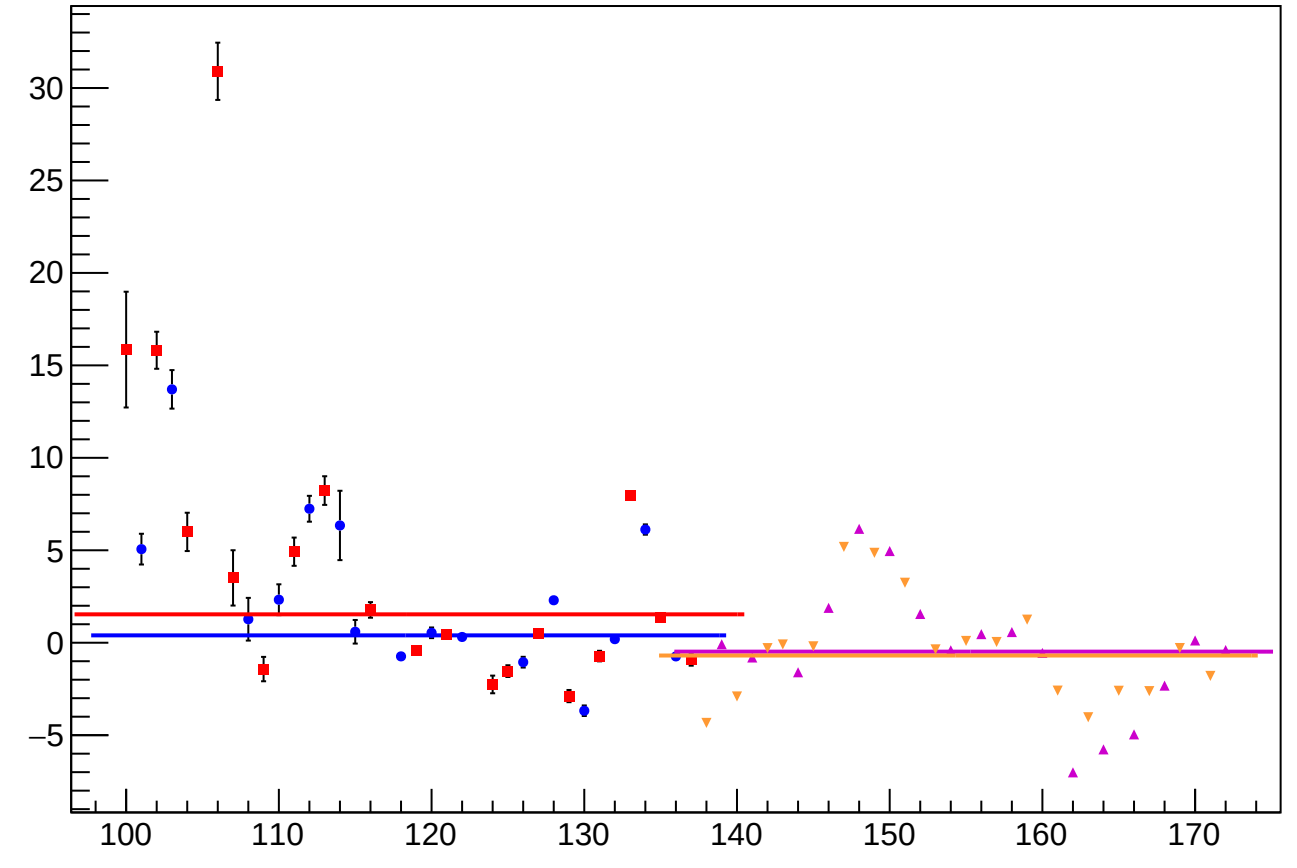
Left: -0.259+/-0.002 χ^2/NDF: 2168.5/34

Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.238+/-0.003 χ^2/NDF:1839.3/32

Out: -0.248+/-0.003 χ^2/NDF:1531.6/36

All: -0.243+/-0.002 χ^2/NDF: 3375.4/69



Right In: 0.398+/-0.077 χ^2/NDF: 1097.4/15

Left Out: -0.692+/-0.037 χ^2/NDF:4524.7/17

Right Out: 1.536+/-0.078 χ^2/NDF: 2411.2/18

Left In: -0.482+/-0.036 χ^2/NDF:6609.6/16

Left: -0.585+/-0.026 χ^2/NDF: 11151.1/34

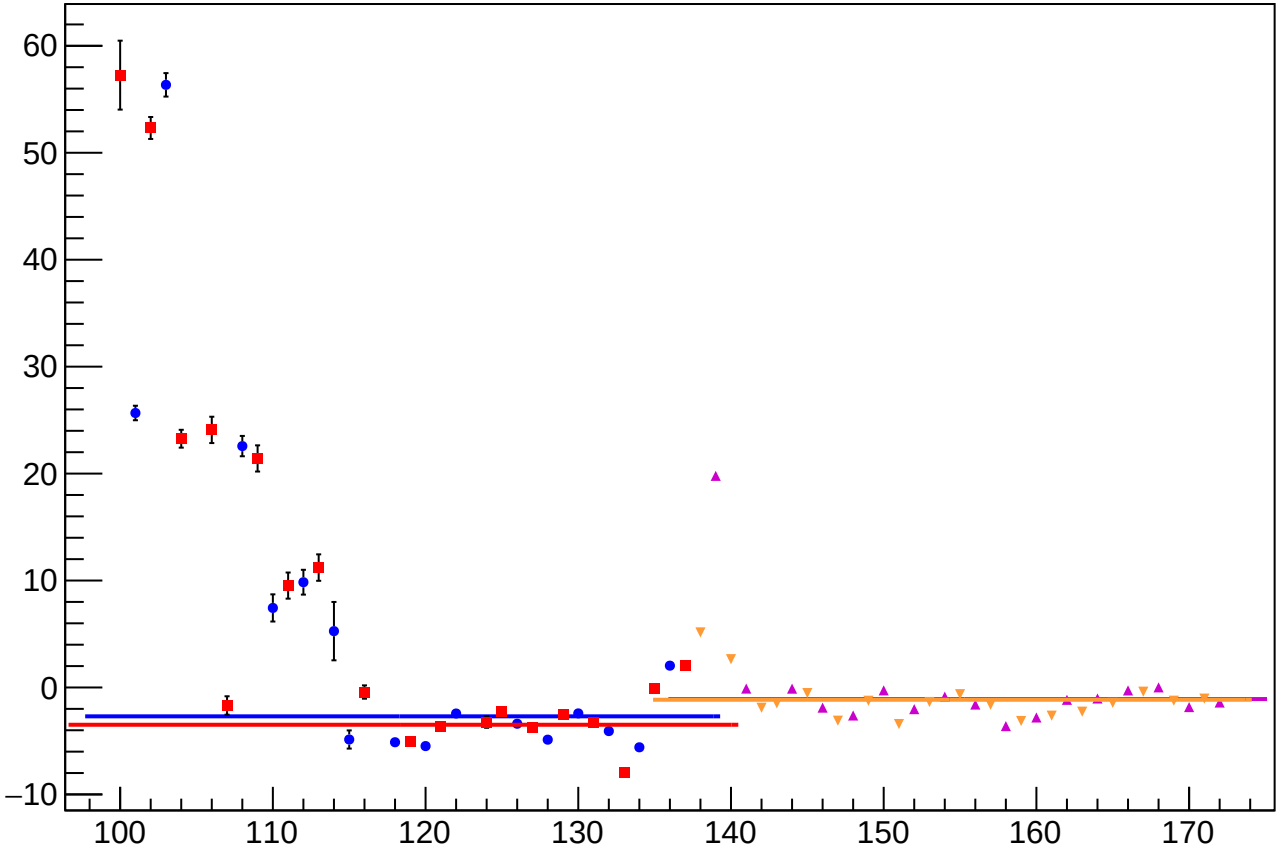
Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: -0.326+/-0.032 χ^2/NDF:7814.3/32

Out: -0.293+/-0.033 χ^2/NDF:7602.1/36

All: -0.310+/-0.023 χ^2/NDF: 15416.9/69

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.699+/-0.071 χ^2/NDF: 7103.8/15

Left Out: -1.146+/-0.026 χ^2/NDF:4253.7/17

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: -1.114+/-0.018 χ^2/NDF: 12590.1/34

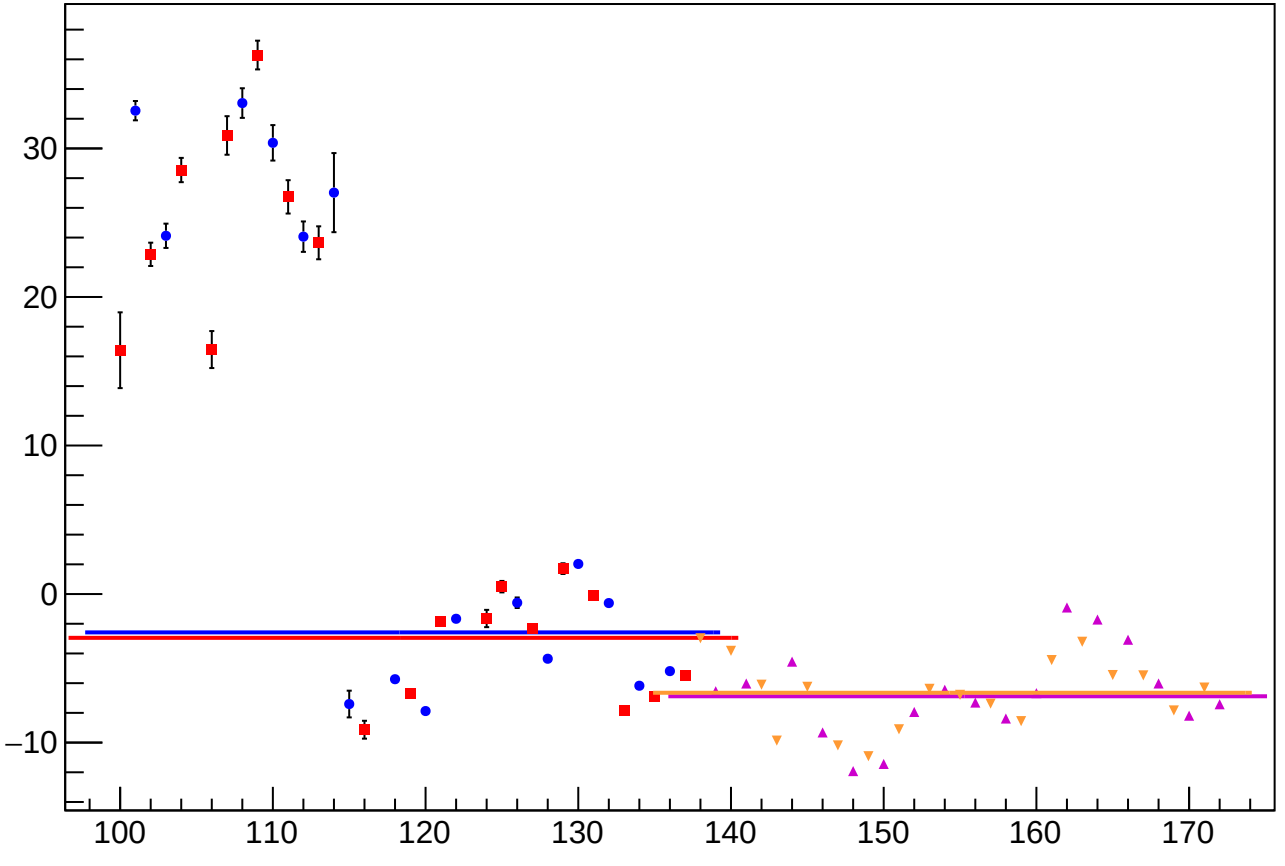
Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -1.272+/-0.024 χ^2/NDF:15898.2/32

Out: -1.429+/-0.025 χ^2/NDF:12371.7/36

All: -1.350+/-0.017 χ^2/NDF: 28290.4/69

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.582+/-0.083 χ^2/NDF: 8159.7/15

Left Out: -6.646+/-0.036 χ^2/NDF:3628.8/17

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: -6.767+/-0.025 χ^2/NDF: 9394.4/34

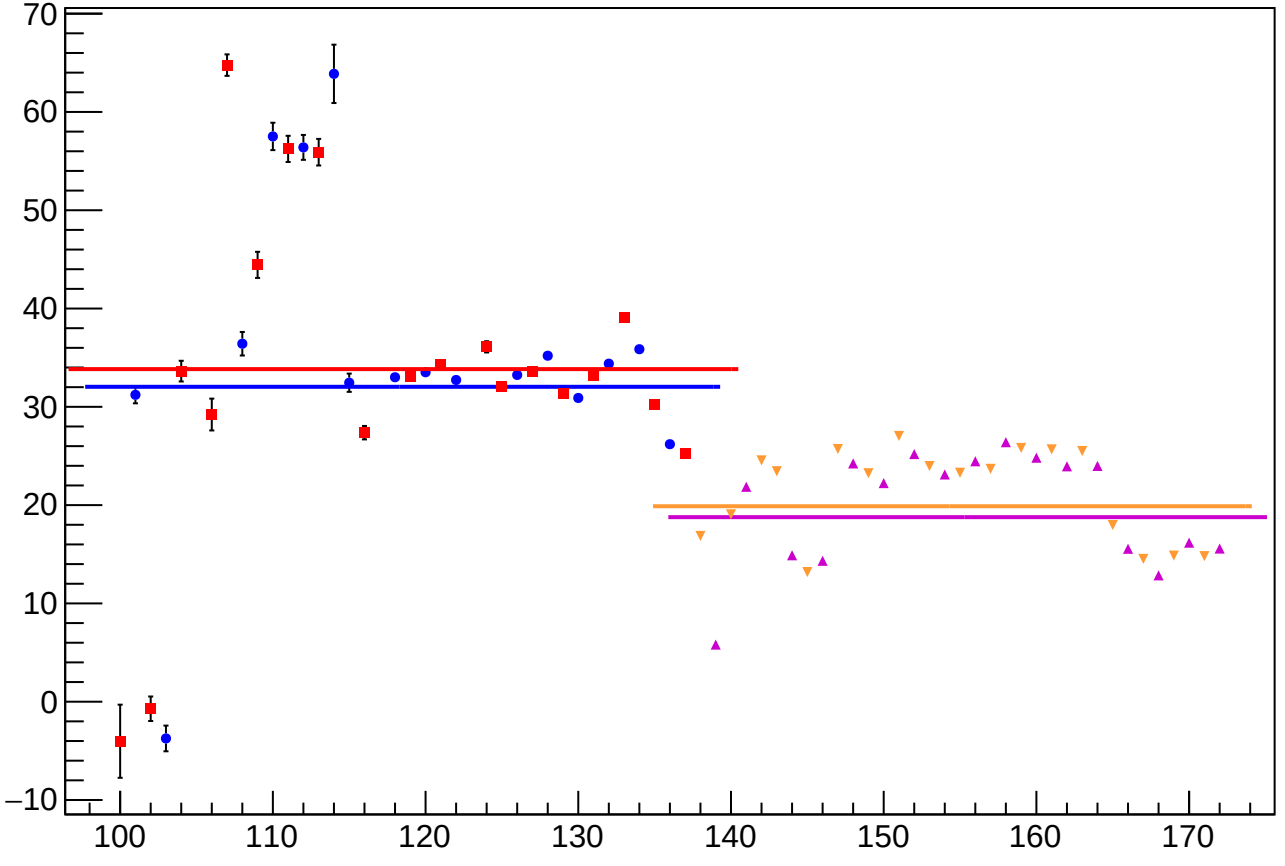
Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -6.225+/-0.032 χ^2/NDF:16173.4/32

Out: -6.079+/-0.033 χ^2/NDF:13429.6/36

All: -6.154+/-0.023 χ^2/NDF: 29613.0/69

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 32.038+/-0.081 χ^2/NDF: 3255.9/15

Left Out: 19.886+/-0.030 χ^2/NDF:27347.7/17

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 18.775+/-0.030 χ^2/NDF:26488.7/16

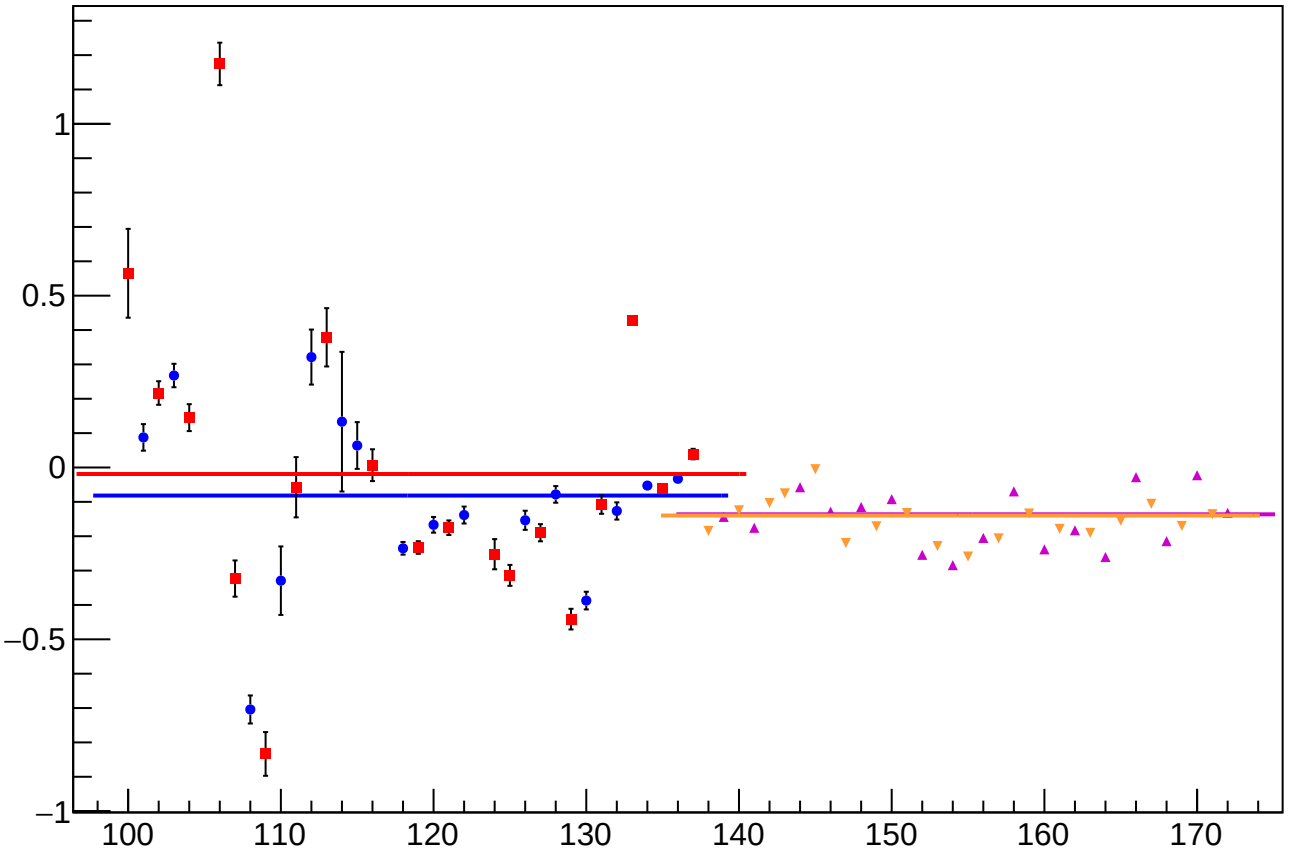
Left: 19.321+/-0.021 χ^2/NDF: 54526.3/34

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 20.333+/-0.028 χ^2/NDF:53238.2/32

Out: 21.563+/-0.028 χ^2/NDF:57289.5/36

All: 20.938+/-0.020 χ^2/NDF: 111488.0/69



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.140+/-0.001 χ^2/NDF:2258.4/17

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: -0.138+/-0.001 χ^2/NDF: 5820.5/34

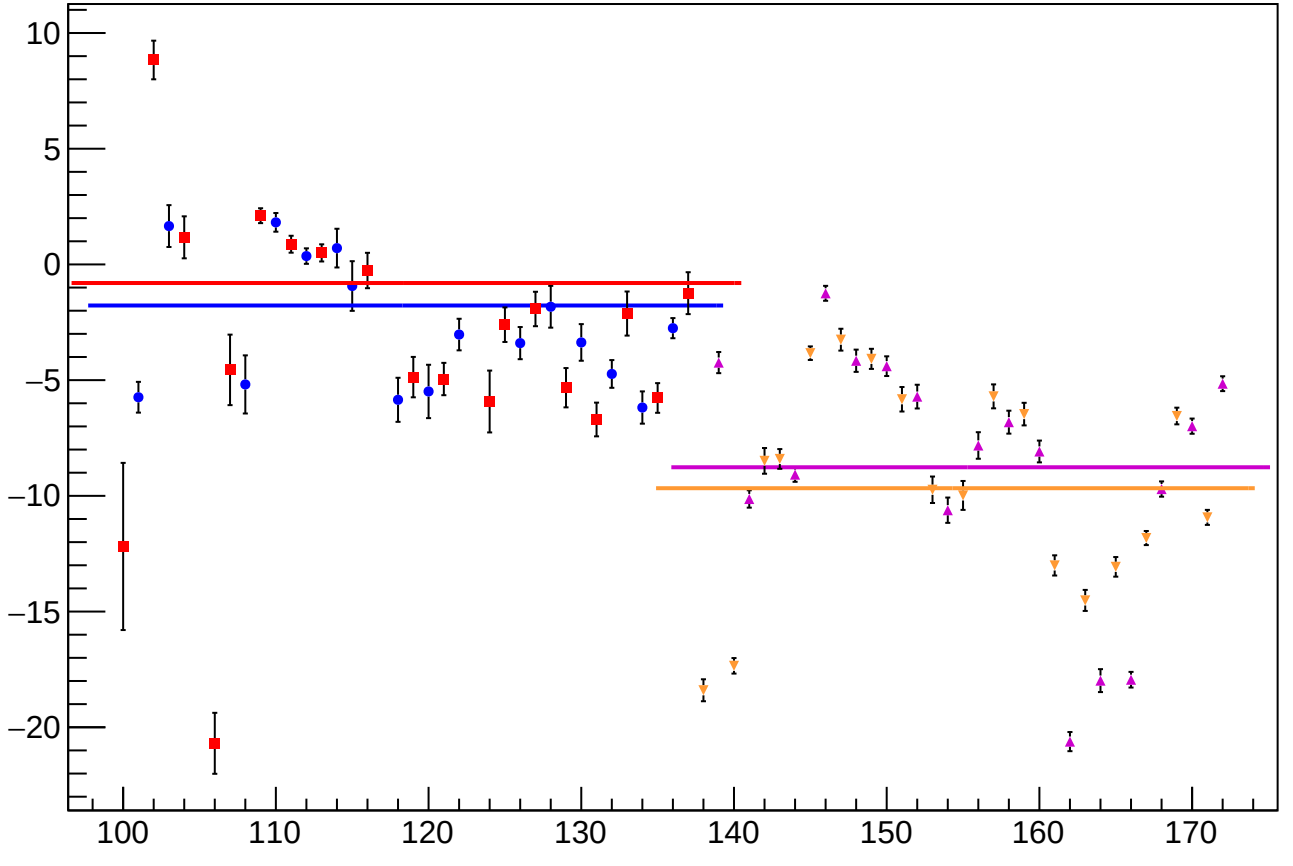
Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.132+/-0.001 χ^2/NDF:4367.0/32

Out: -0.132+/-0.001 χ^2/NDF:5037.2/36

All: -0.132+/-0.001 χ^2/NDF: 9404.3/69

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: -9.670+/-0.098 χ^2/NDF:2153.1/17

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: -9.211+/-0.069 χ^2/NDF: 5183.9/34

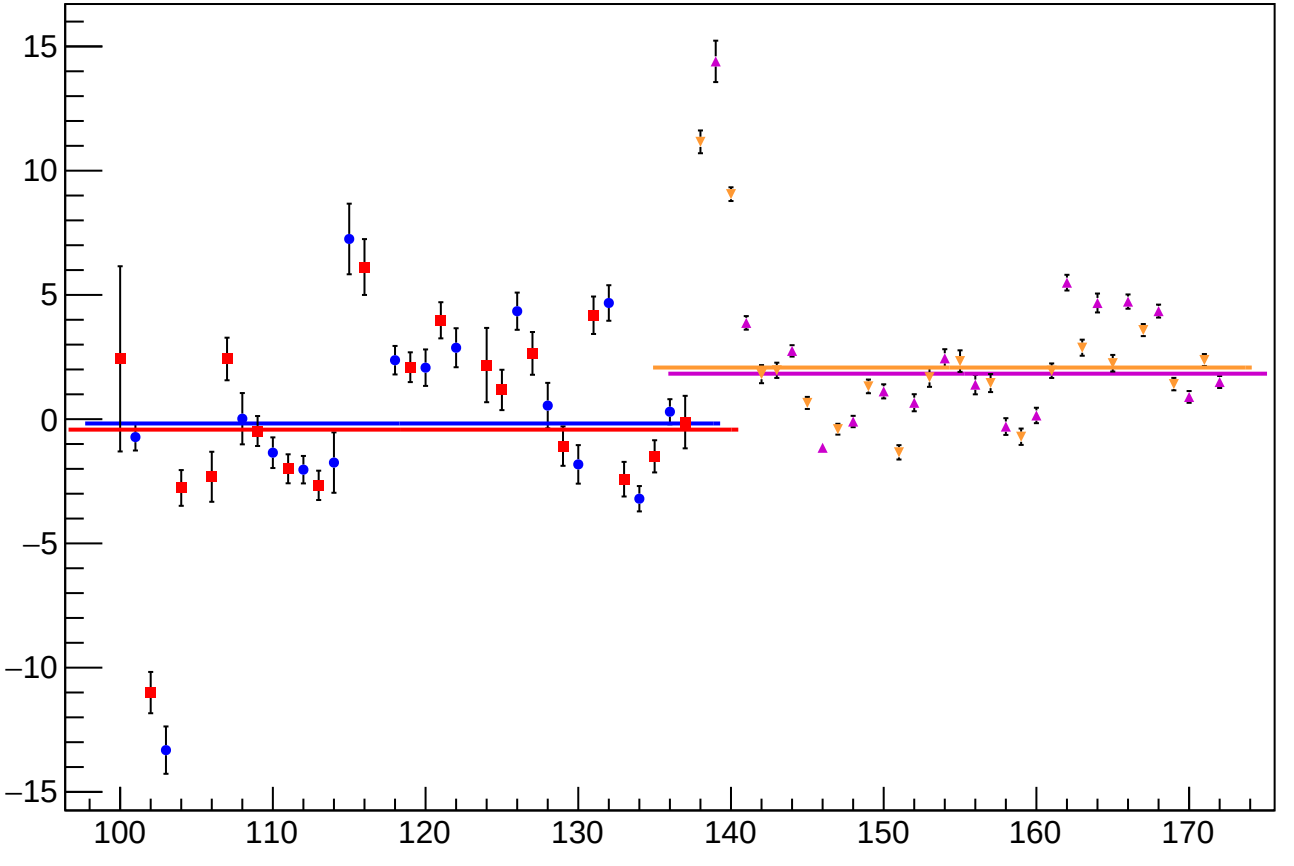
Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -6.850+/-0.082 χ^2/NDF:4721.8/32

Out: -6.977+/-0.082 χ^2/NDF:5375.5/36

All: -6.914+/-0.058 χ^2/NDF: 10098.6/69

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 2.078+/-0.069 χ^2/NDF:1468.8/17

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: 1.953+/-0.049 χ^2/NDF: 2575.5/34

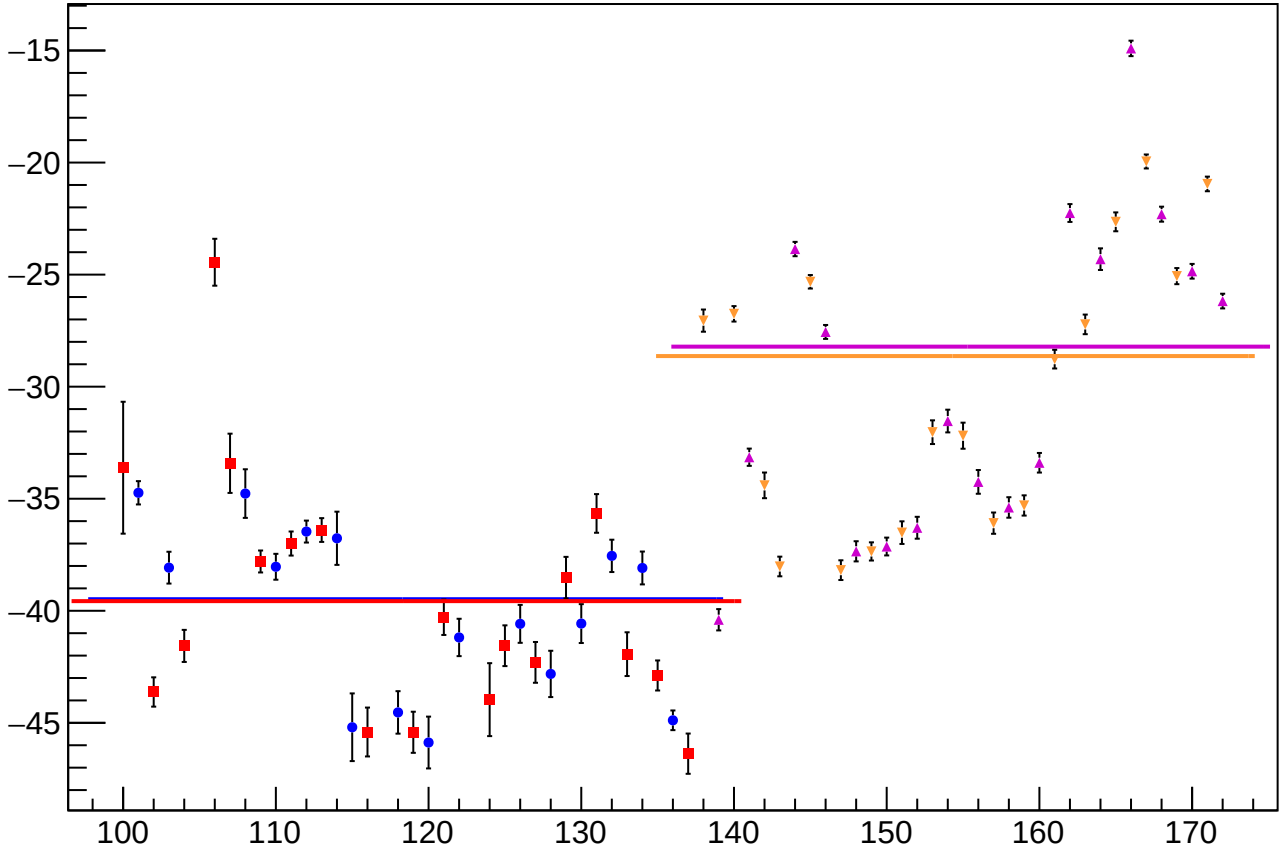
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 1.558+/-0.064 χ^2/NDF:1619.4/32

Out: 1.746+/-0.065 χ^2/NDF:2007.6/36

All: 1.651+/-0.045 χ^2/NDF: 3631.3/69

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -28.634+/-0.097 χ^2/NDF:4079.3/17

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -28.213+/-0.095 χ^2/NDF:4993.9/16

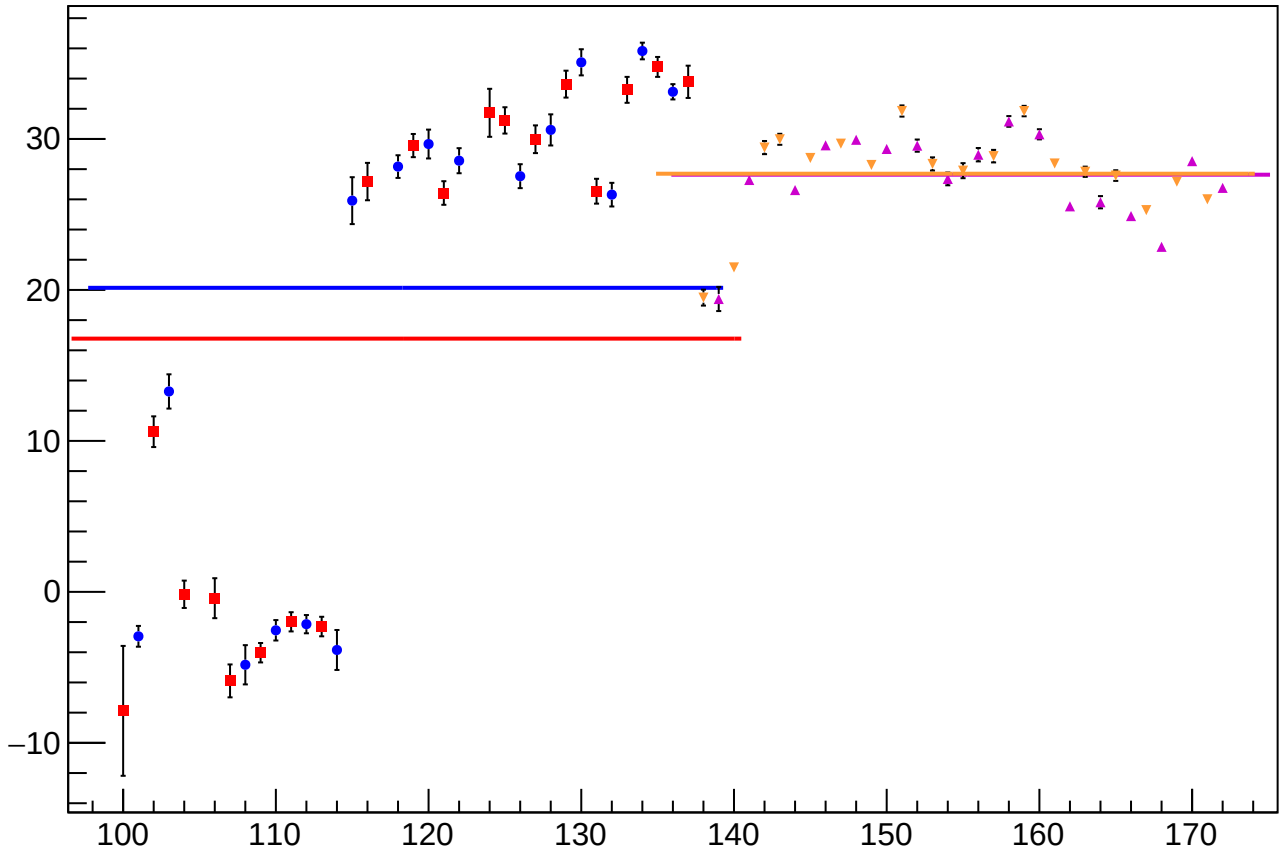
Left: -28.420+/-0.068 χ^2/NDF: 9082.8/34

Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -30.665+/-0.084 χ^2/NDF:8463.2/32

Out: -31.066+/-0.085 χ^2/NDF:7472.0/36

All: -30.862+/-0.060 χ^2/NDF: 15946.4/69



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.698+/-0.080 χ^2/NDF:1116.7/17

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: 27.665+/-0.056 χ^2/NDF: 1989.9/34

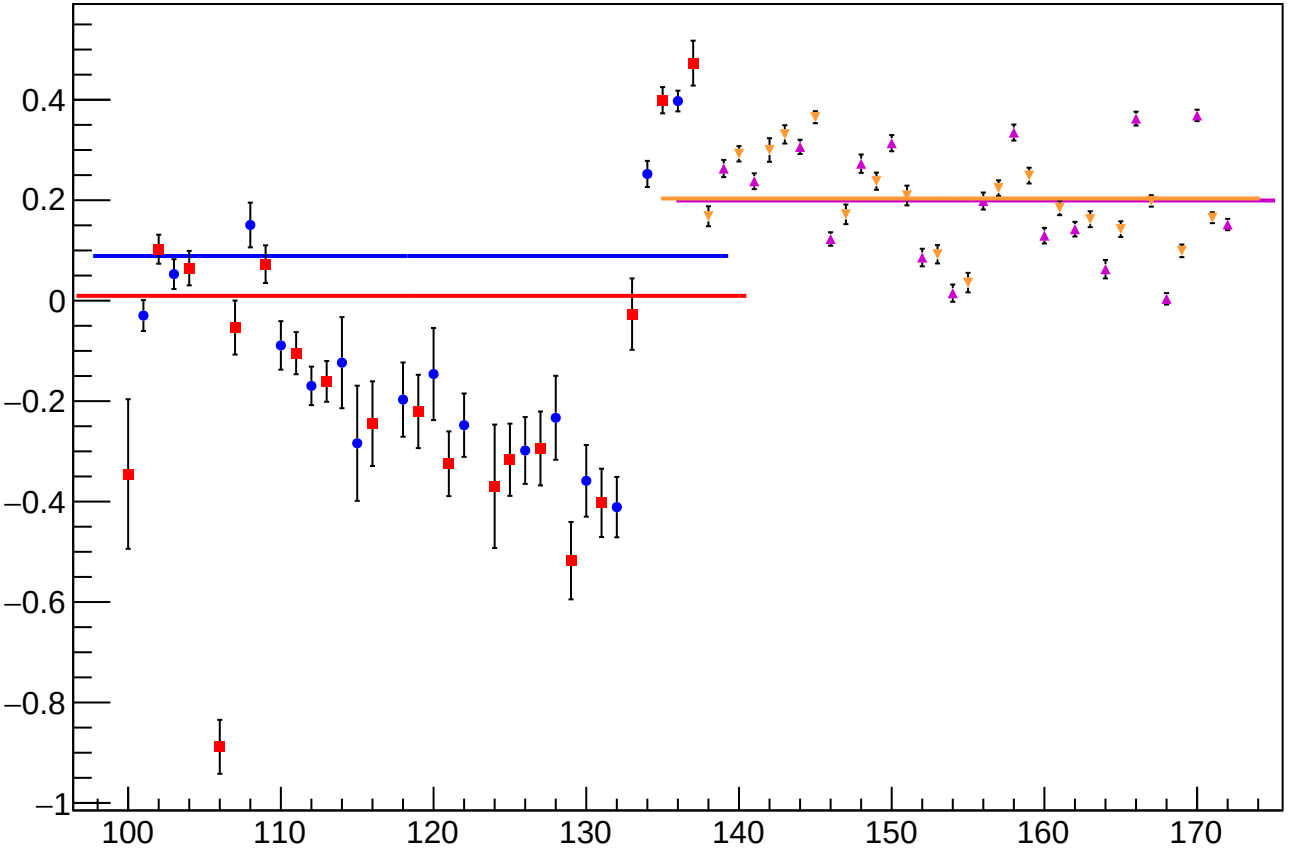
Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 26.577+/-0.073 χ^2/NDF:8829.7/32

Out: 26.197+/-0.074 χ^2/NDF:10436.3/36

All: 26.390+/-0.052 χ^2/NDF: 19279.3/69

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+/-0.004 χ^2/NDF:519.9/17

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: 0.201+/-0.003 χ^2/NDF: 1690.5/34

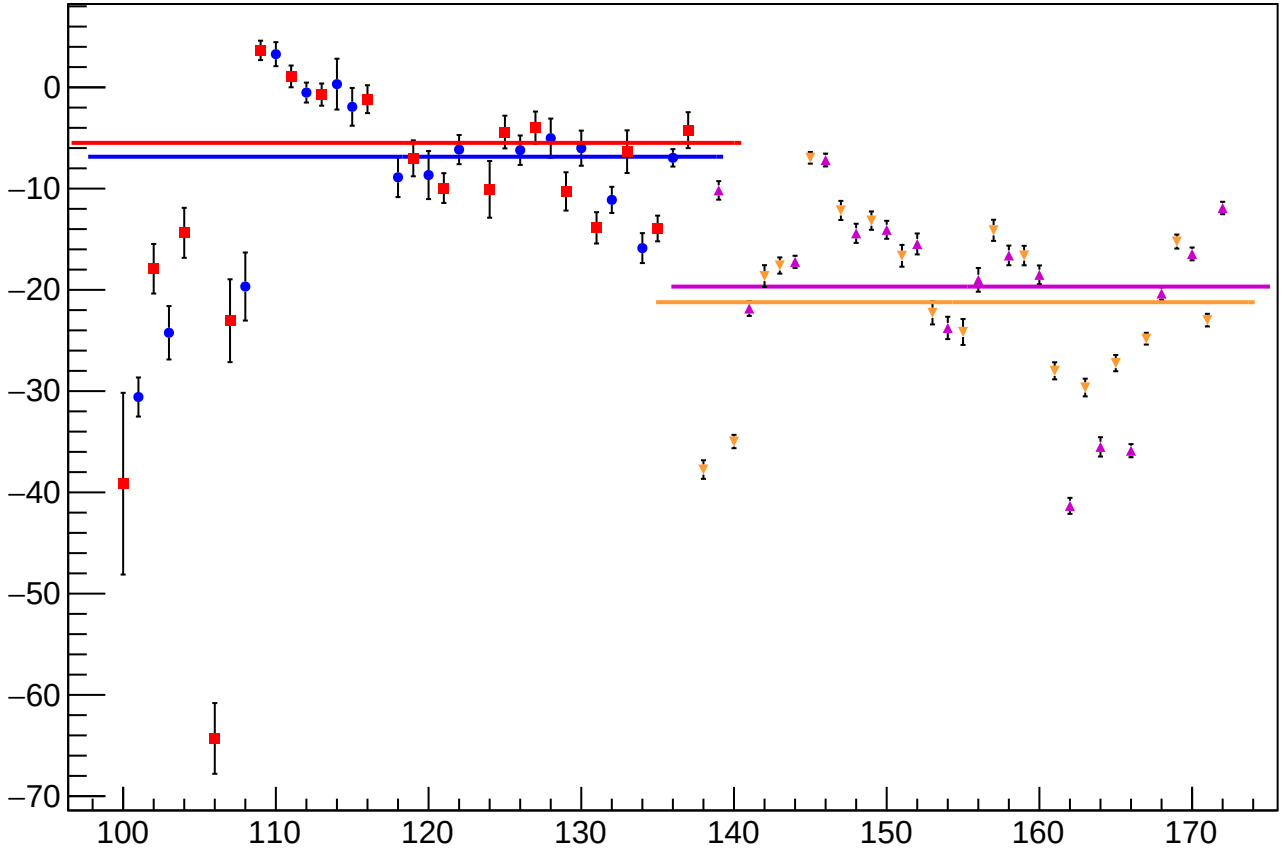
Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.188+/-0.003 χ^2/NDF:1834.8/32

Out: 0.185+/-0.003 χ^2/NDF:1634.2/36

All: 0.186+/-0.002 χ^2/NDF: 3469.5/69

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: -21.220+/-0.191 χ^2/NDF:1995.2/17

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: -20.437+/-0.134 χ^2/NDF: 4500.8/34

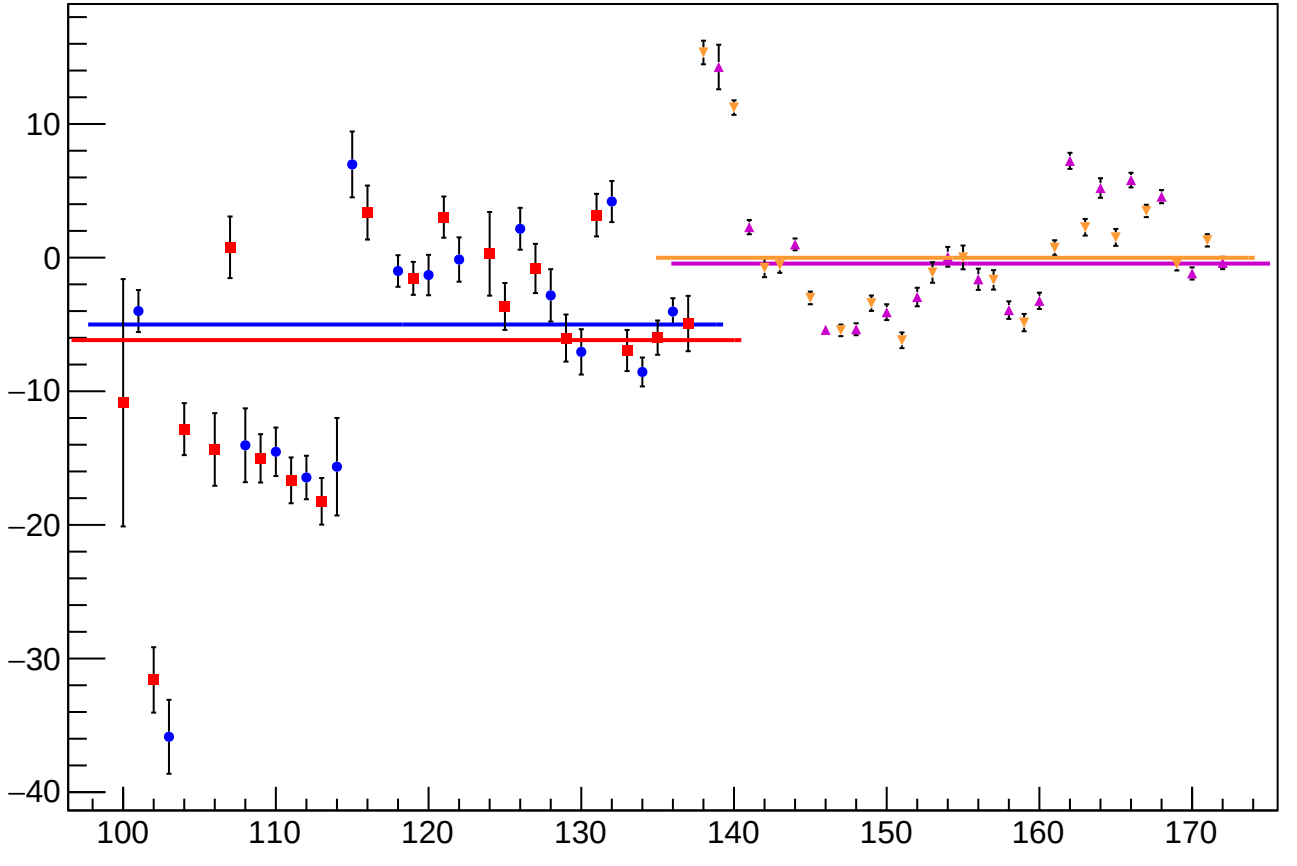
Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -17.100+/-0.168 χ^2/NDF:3794.2/32

Out: -17.889+/-0.170 χ^2/NDF:4035.7/36

All: -17.491+/-0.120 χ^2/NDF: 7840.8/69

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: -0.012+/-0.136 χ^2/NDF:1222.5/17

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: -0.446+/-0.134 χ^2/NDF:968.0/16

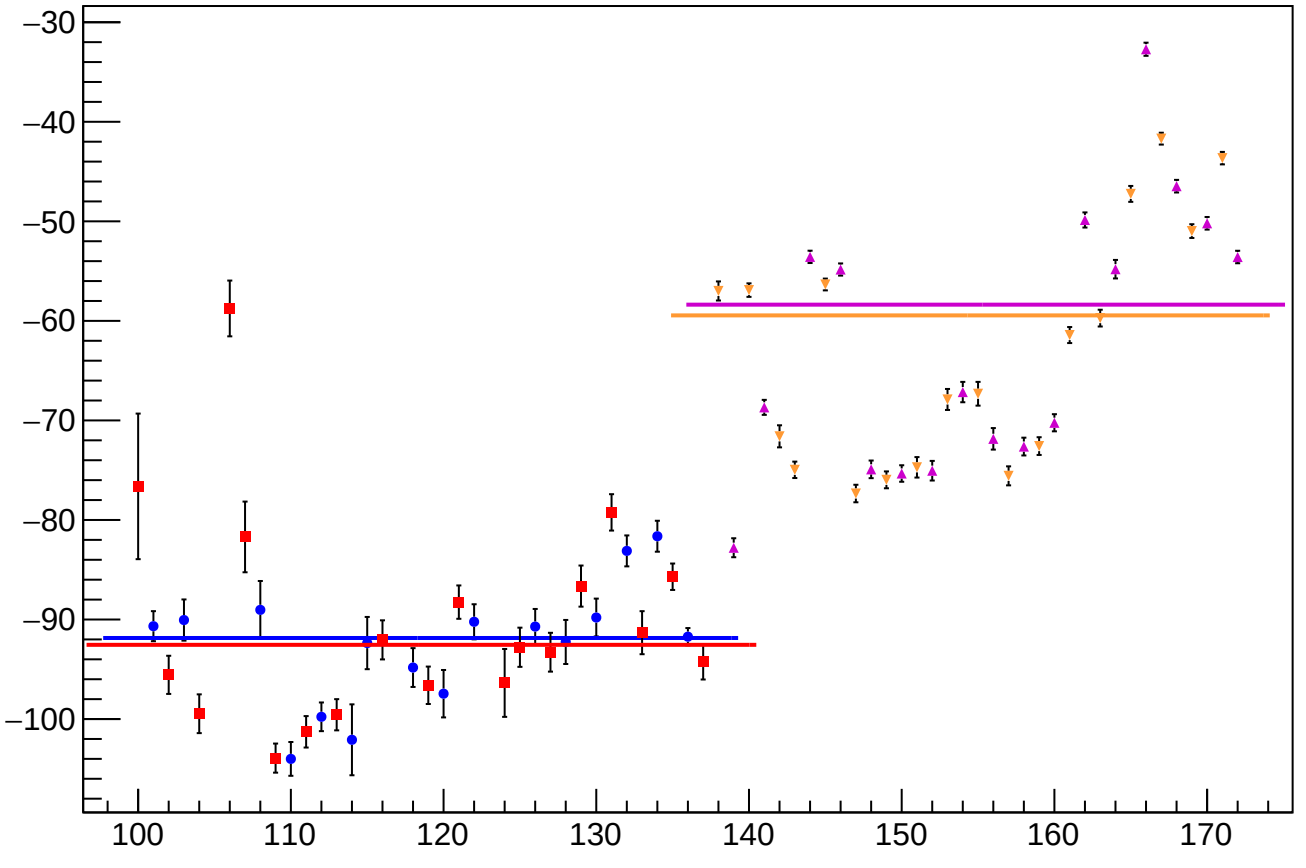
Left: -0.231+/-0.095 χ^2/NDF: 2195.7/34

Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -0.914+/-0.127 χ^2/NDF:1429.1/32

Out: -0.602+/-0.129 χ^2/NDF:1789.5/36

All: -0.761+/-0.090 χ^2/NDF: 3221.5/69



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -59.449+/-0.189 χ^2/NDF:4056.9/17

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: -58.900+/-0.132 χ^2/NDF: 8965.0/34

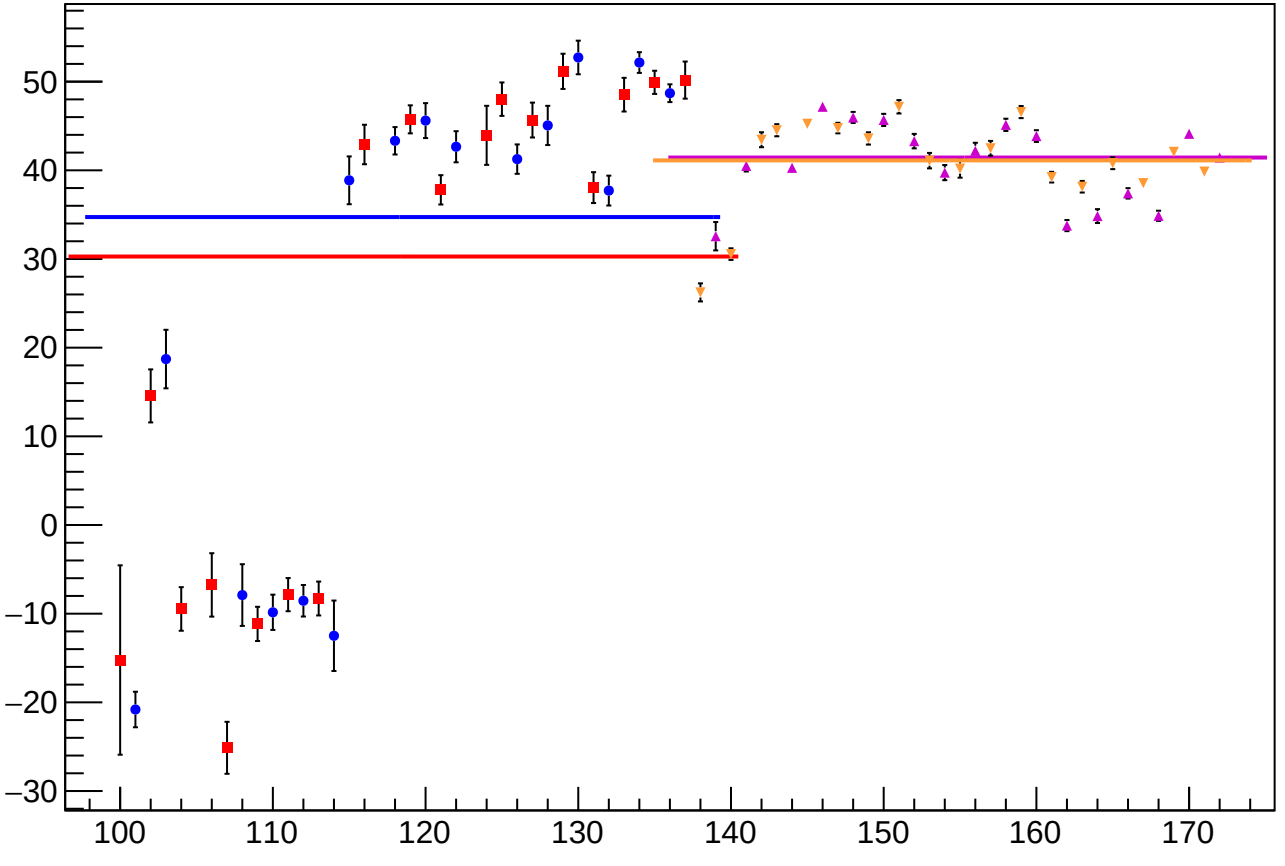
Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -63.756+/-0.170 χ^2/NDF:10301.6/32

Out: -64.627+/-0.174 χ^2/NDF:9233.4/36

All: -64.182+/-0.122 χ^2/NDF: 19547.8/69

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: 41.121+/-0.156 χ^2/NDF:810.9/17

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: 41.283+/-0.109 χ^2/NDF: 1569.2/34

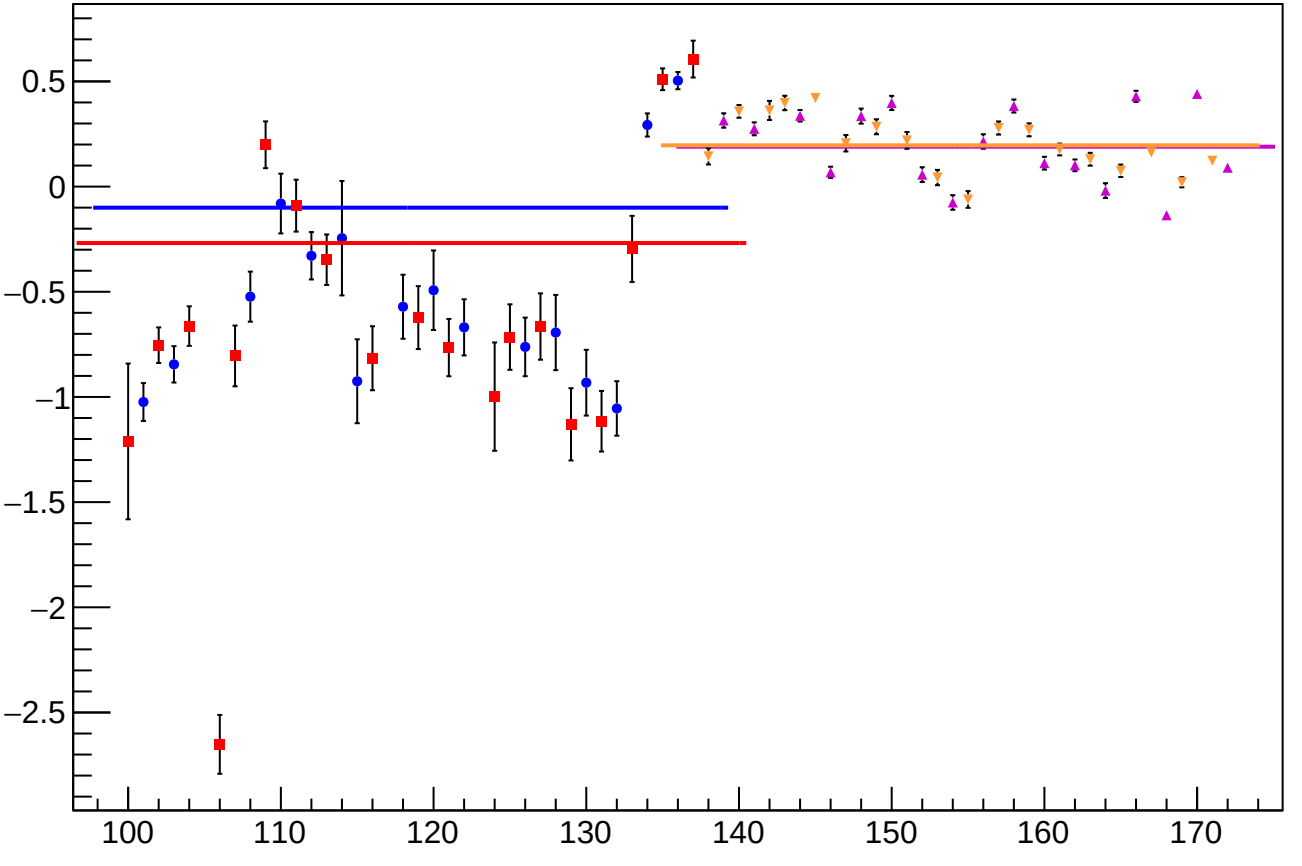
Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 40.716+/-0.145 χ^2/NDF:3771.1/32

Out: 40.036+/-0.148 χ^2/NDF:4206.9/36

All: 40.382+/-0.104 χ^2/NDF: 7988.7/69

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: 0.196+/-0.007 χ^2/NDF:337.6/17

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: 0.193+/-0.005 χ^2/NDF: 1086.7/34

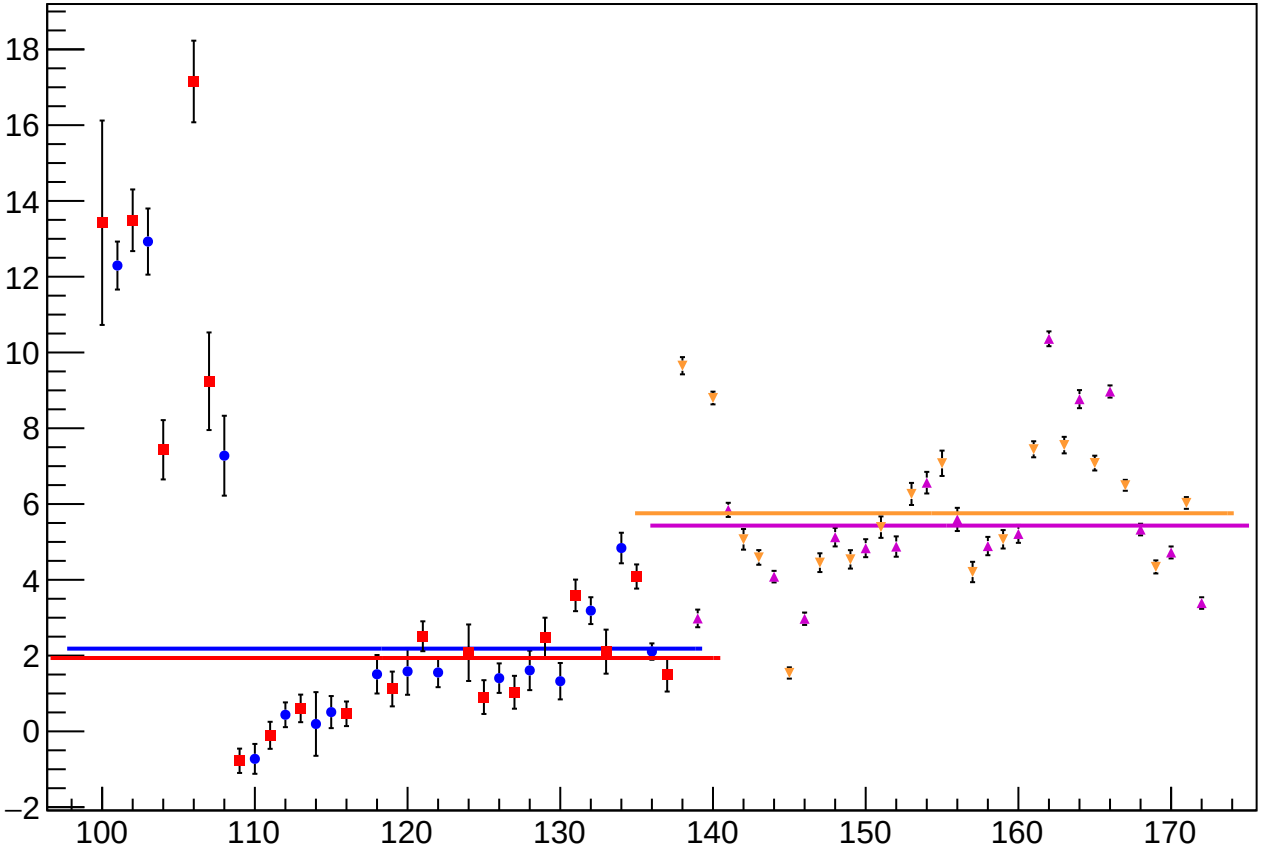
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.167+/-0.007 χ^2/NDF:1514.5/32

Out: 0.165+/-0.007 χ^2/NDF:1450.0/36

All: 0.166+/-0.005 χ^2/NDF: 2964.6/69

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.184+/-0.105 χ^2/NDF: 599.3/15

Left Out: 5.756+/-0.048 χ^2/NDF:1857.1/17

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: 5.592+/-0.034 χ^2/NDF: 3849.9/34

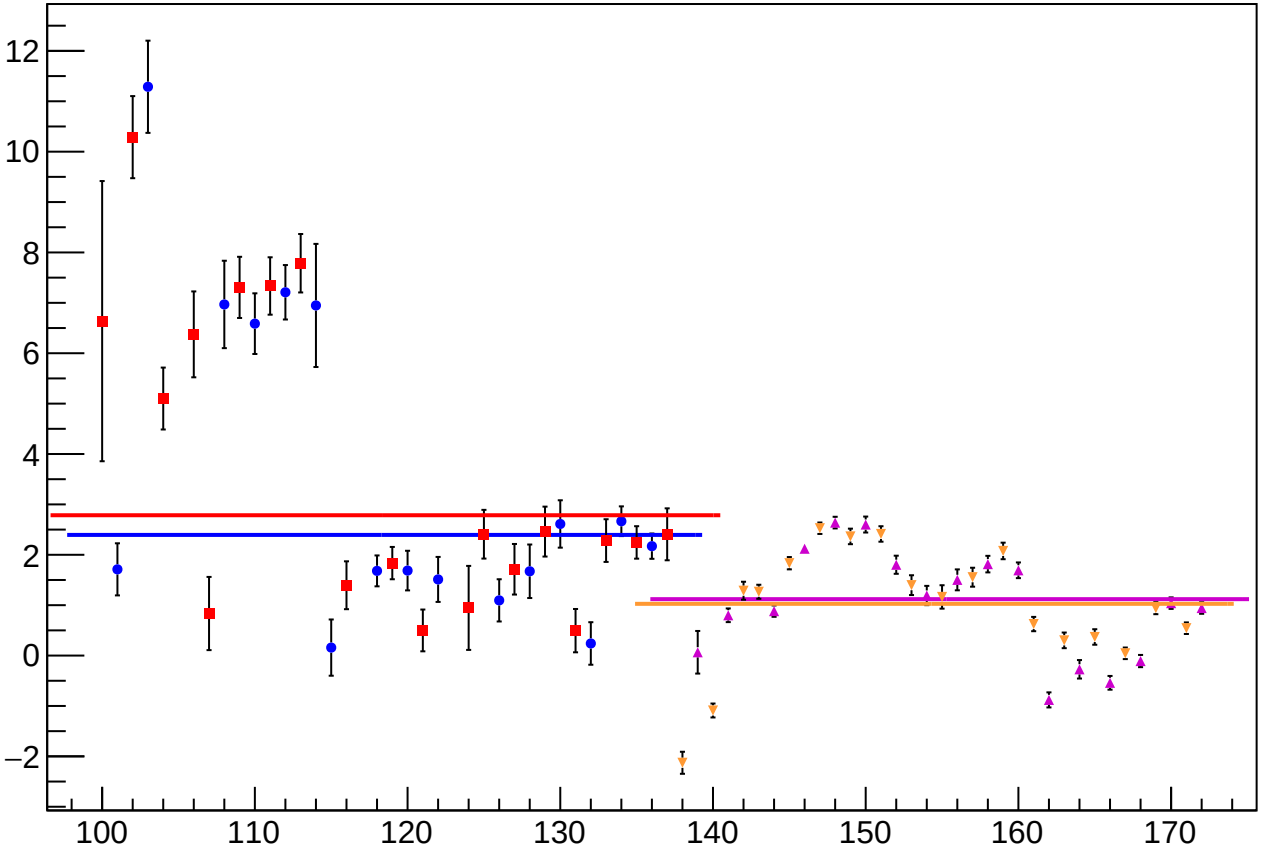
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 4.877+/-0.043 χ^2/NDF:3362.6/32

Out: 5.096+/-0.044 χ^2/NDF:3659.1/36

All: 4.985+/-0.031 χ^2/NDF: 7034.3/69

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: 1.027+/-0.034 χ^2/NDF:1014.4/17

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: 1.074+/-0.024 χ^2/NDF: 1945.0/34

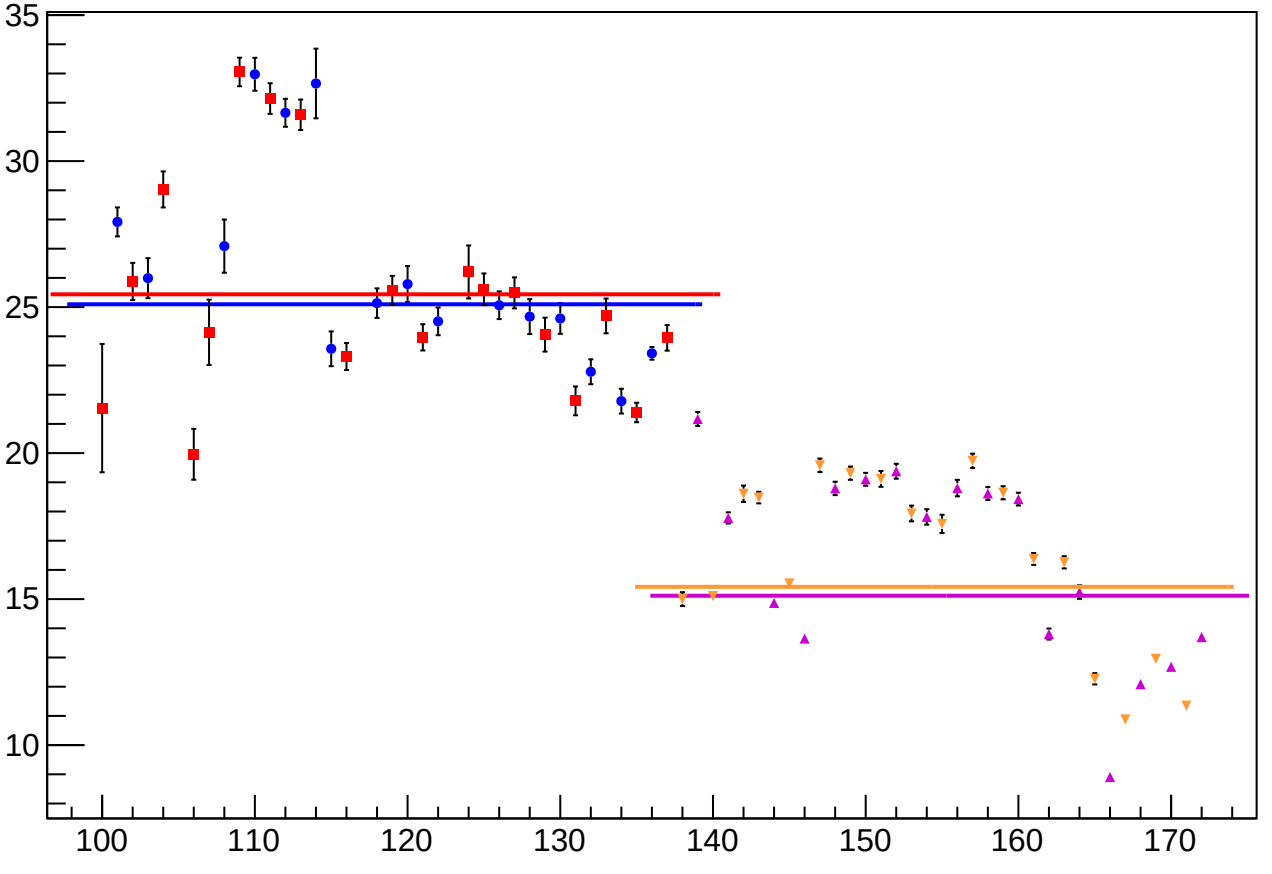
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.233+/-0.032 χ^2/NDF:1387.0/32

Out: 1.168+/-0.033 χ^2/NDF:1636.9/36

All: 1.201+/-0.023 χ^2/NDF: 3025.9/69

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: 15.420+/-0.048 χ^2/NDF:3951.7/17

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: 15.265+/-0.033 χ^2/NDF: 8671.4/34

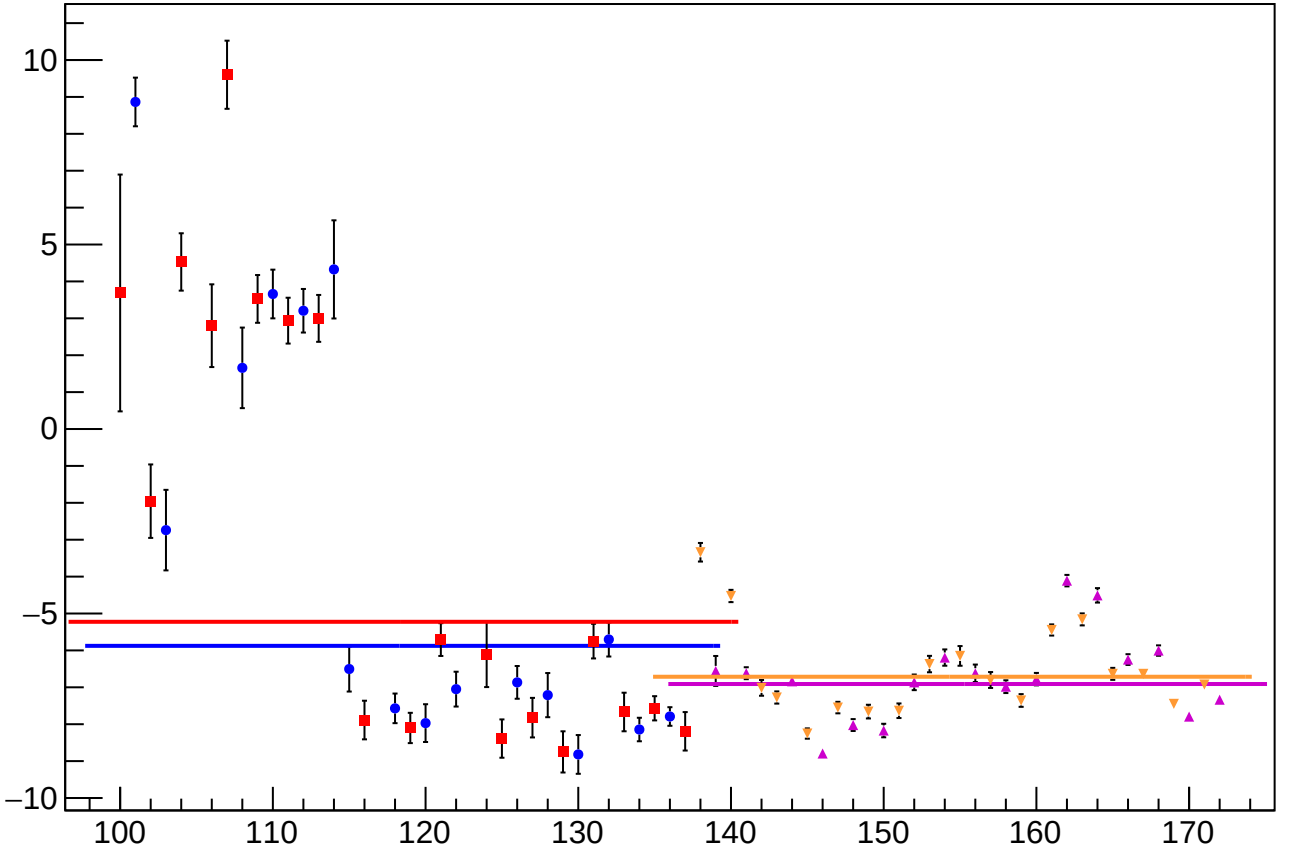
Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 16.488+/-0.044 χ^2/NDF:11541.3/32

Out: 16.715+/-0.045 χ^2/NDF:10510.6/36

All: 16.599+/-0.031 χ^2/NDF: 22065.1/69

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: -6.714+/-0.039 χ^2/NDF:778.5/17

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: -6.813+/-0.028 χ^2/NDF: 1749.9/34

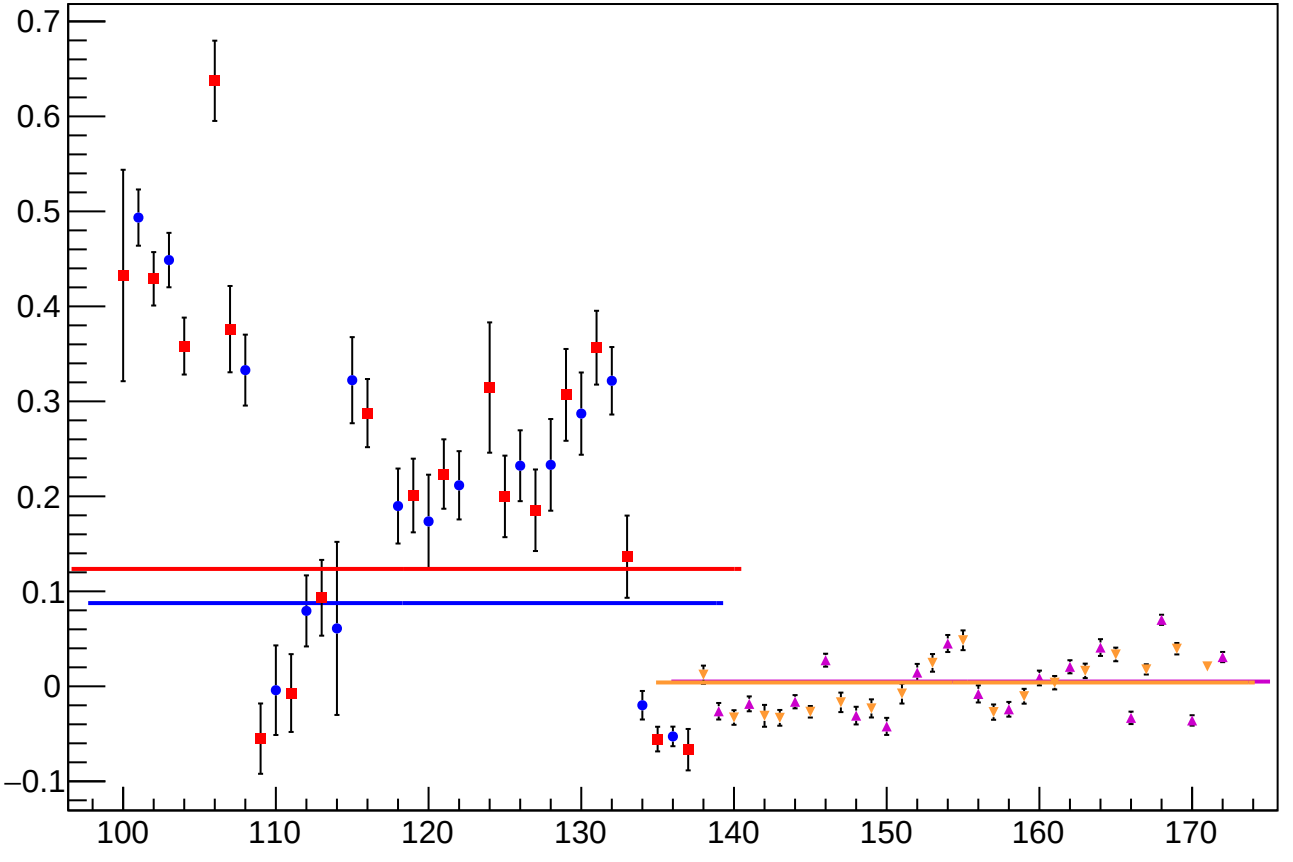
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -6.814+/-0.037 χ^2/NDF:2276.6/32

Out: -6.588+/-0.038 χ^2/NDF:2191.6/36

All: -6.703+/-0.026 χ^2/NDF: 4486.6/69

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: 0.004+/-0.002 χ^2/NDF:205.5/17

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: 0.005+/-0.002 χ^2/NDF:405.1/16

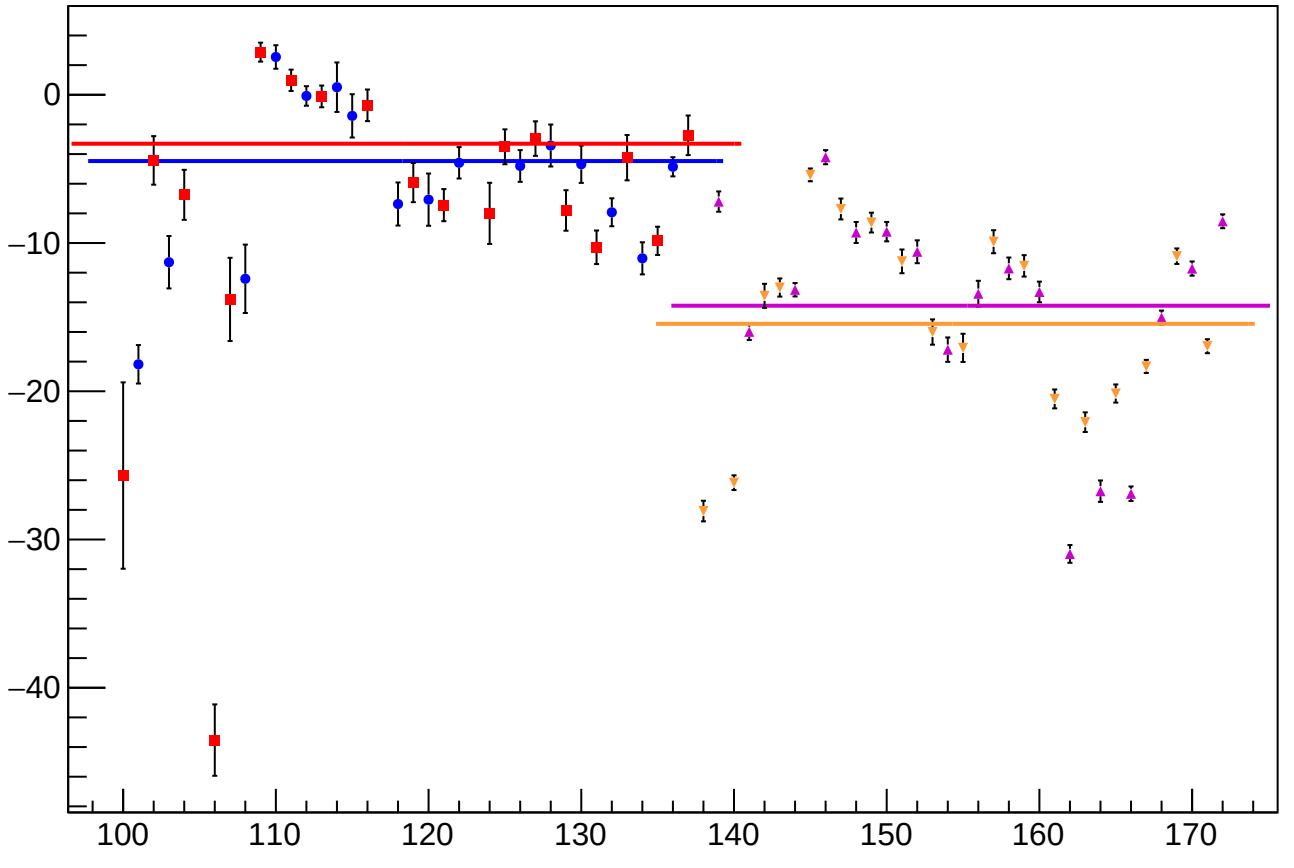
Left: 0.005+/-0.001 χ^2/NDF: 610.7/34

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:1218.9/36

All: 0.011+/-0.001 χ^2/NDF: 2538.6/69



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -15.451+/-0.144 χ^2/NDF:2045.1/17

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: -14.831+/-0.101 χ^2/NDF: 4728.7/34

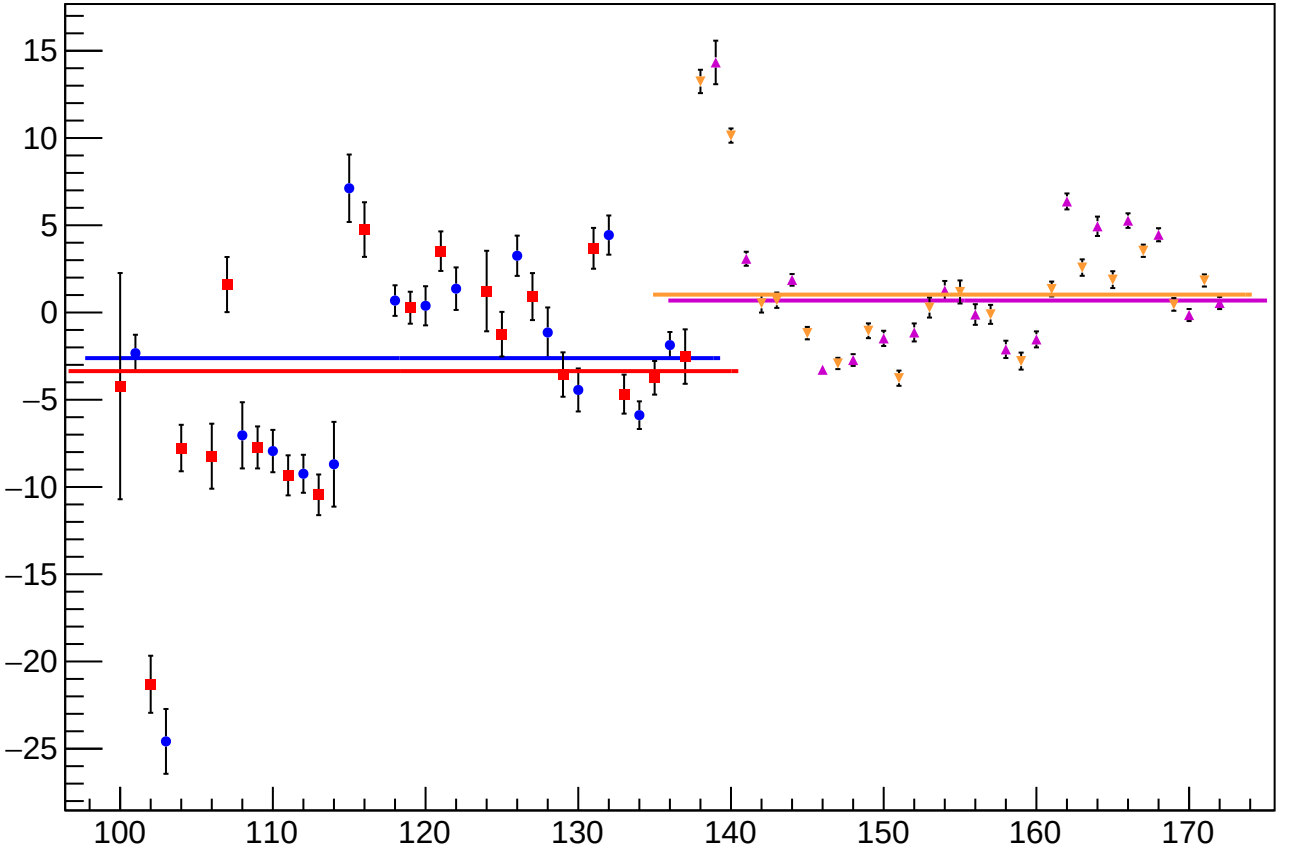
Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -12.097+/-0.125 χ^2/NDF:4011.7/32

Out: -12.611+/-0.126 χ^2/NDF:4292.1/36

All: -12.353+/-0.089 χ^2/NDF: 8312.2/69

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 1.026+/-0.102 χ^2/NDF:1301.8/17

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: 0.853+/-0.072 χ^2/NDF: 2308.9/34

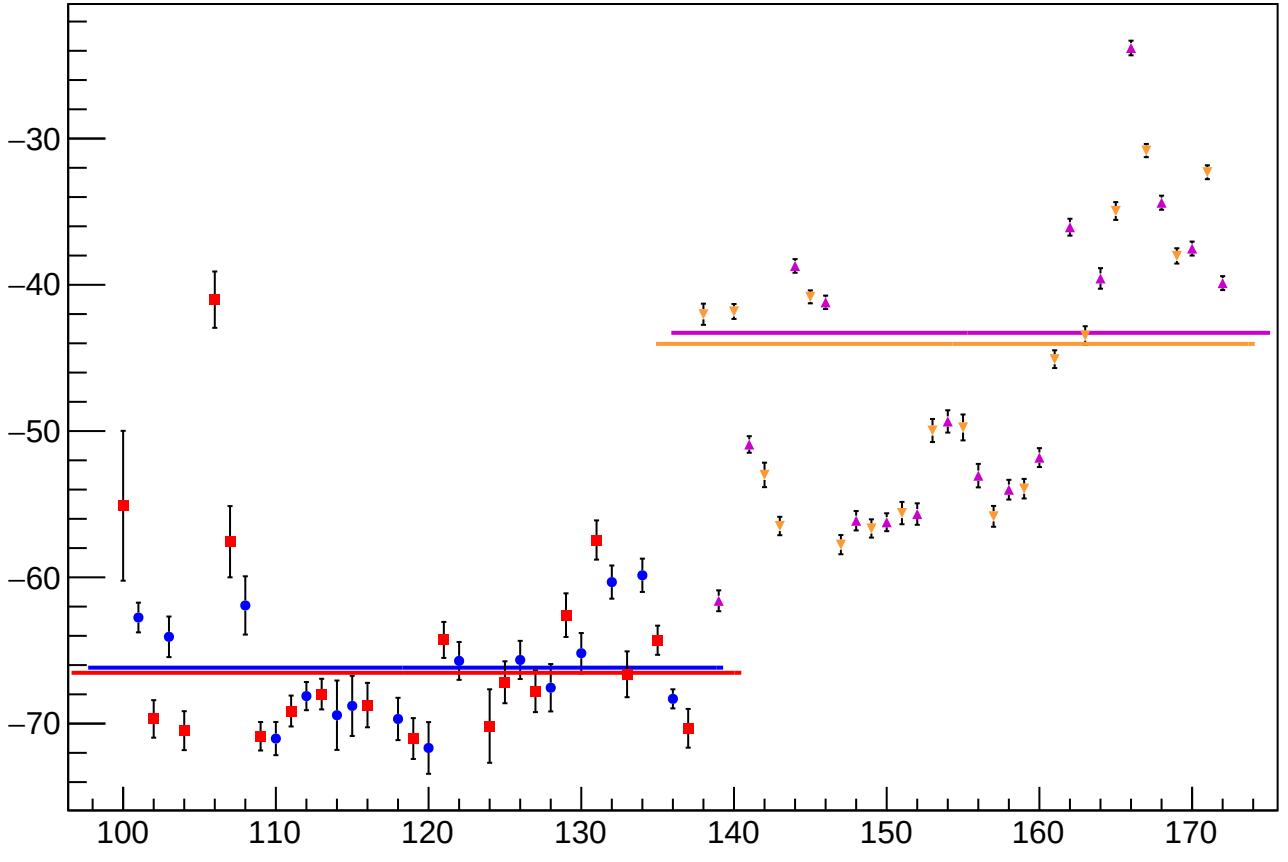
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: 0.320+/-0.095 χ^2/NDF:1472.1/32

Out: 0.568+/-0.097 χ^2/NDF:1854.3/36

All: 0.442+/-0.068 χ^2/NDF: 3329.7/69

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -44.038+/-0.142 χ^2/NDF:4074.2/17

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -43.283+/-0.140 χ^2/NDF:4937.1/16

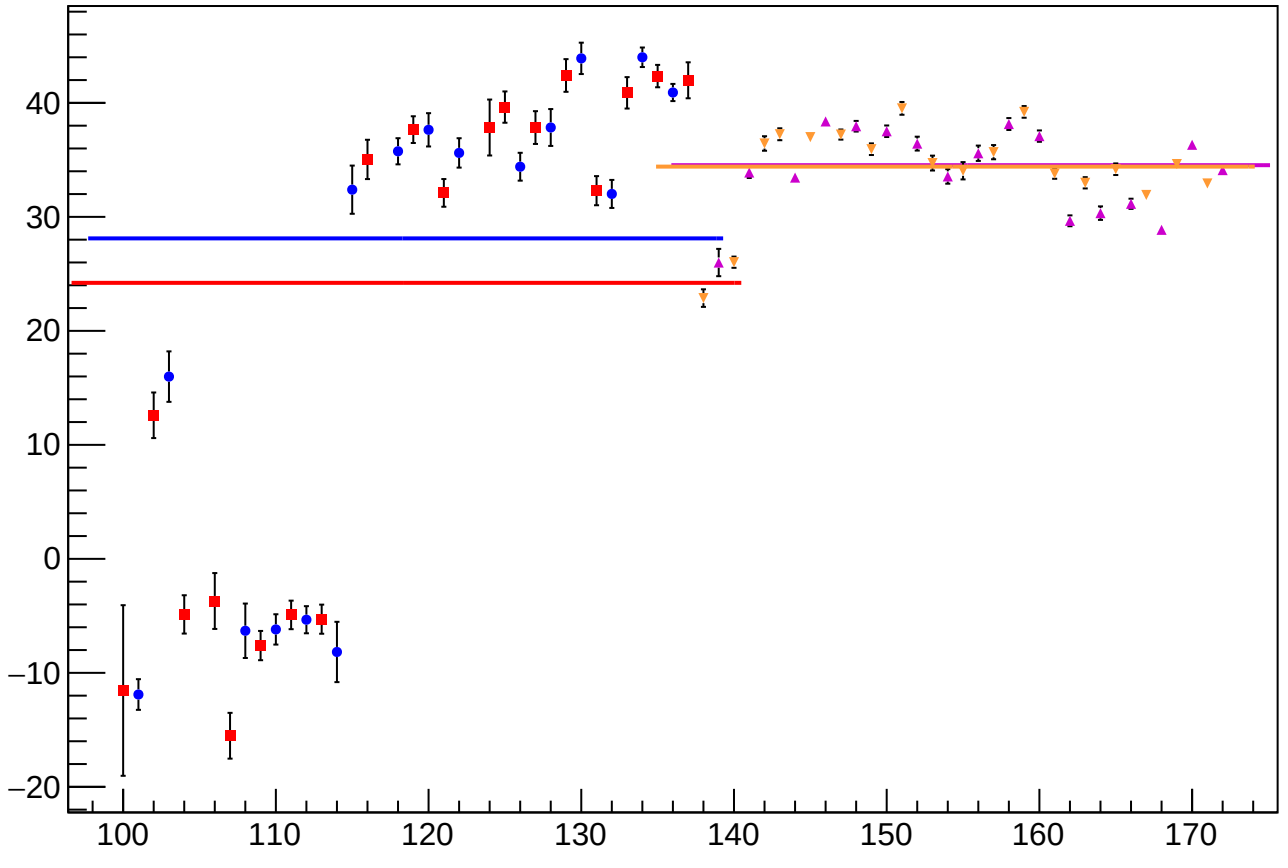
Left: -43.653+/-0.100 χ^2/NDF: 9025.6/34

Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -47.272+/-0.127 χ^2/NDF:9739.4/32

Out: -47.908+/-0.130 χ^2/NDF:8683.8/36

All: -47.584+/-0.091 χ^2/NDF: 18435.5/69



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.409+/-0.117 χ^2/NDF:884.6/17

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 34.534+/-0.116 χ^2/NDF:759.8/16

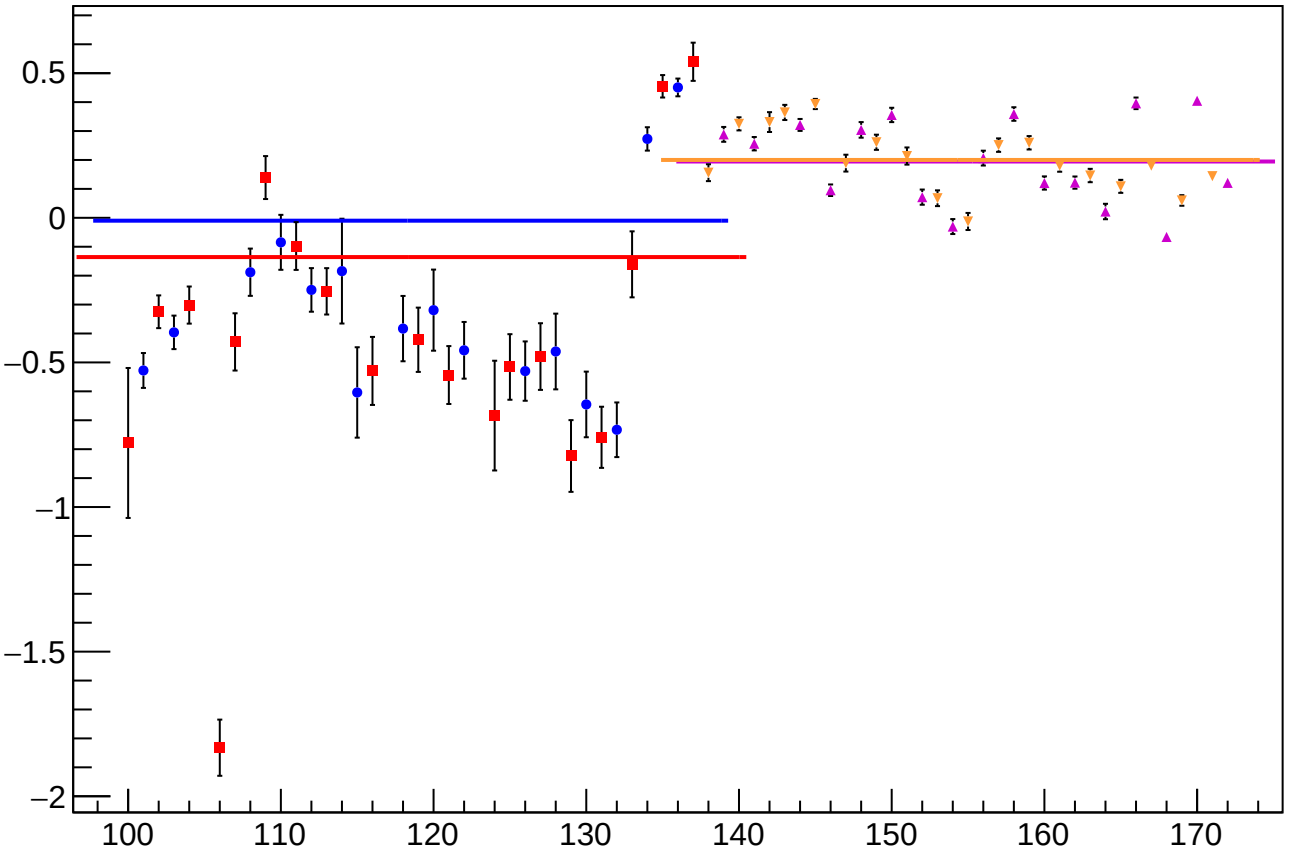
Left: 34.472+/-0.082 χ^2/NDF: 1645.0/34

Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 33.790+/-0.109 χ^2/NDF:4843.7/32

Out: 33.299+/-0.111 χ^2/NDF:5548.9/36

All: 33.548+/-0.078 χ^2/NDF: 10402.6/69



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.200+/-0.005 χ^2/NDF:394.6/17

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.195+/-0.005 χ^2/NDF:884.3/16

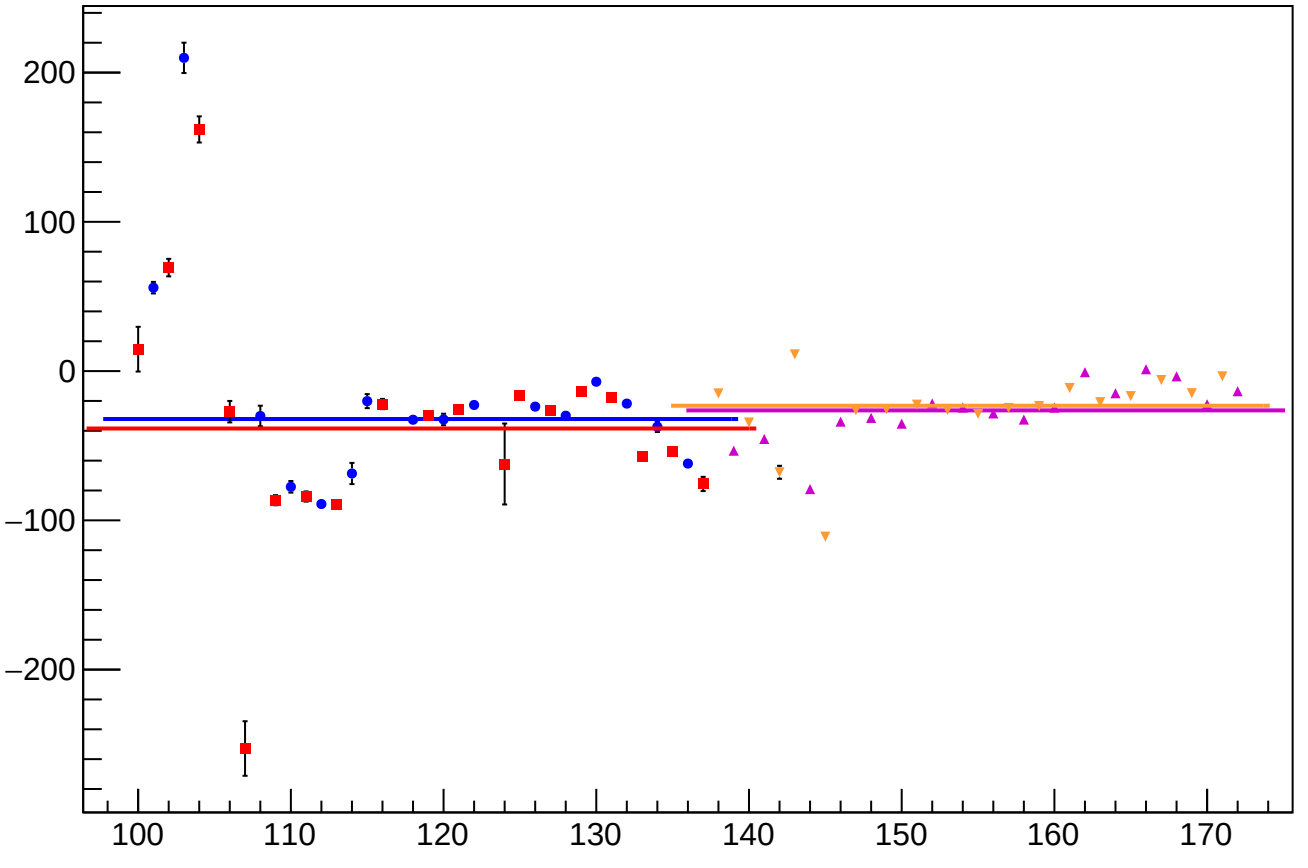
Left: 0.197+/-0.004 χ^2/NDF: 1279.5/34

Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.178+/-0.005 χ^2/NDF:1599.5/32

Out: 0.175+/-0.005 χ^2/NDF:1507.6/36

All: 0.176+/-0.004 χ^2/NDF: 3107.2/69



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -23.201+/-0.672 χ^2/NDF:1139.8/17

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -26.327+/-0.671 χ^2/NDF:840.5/16

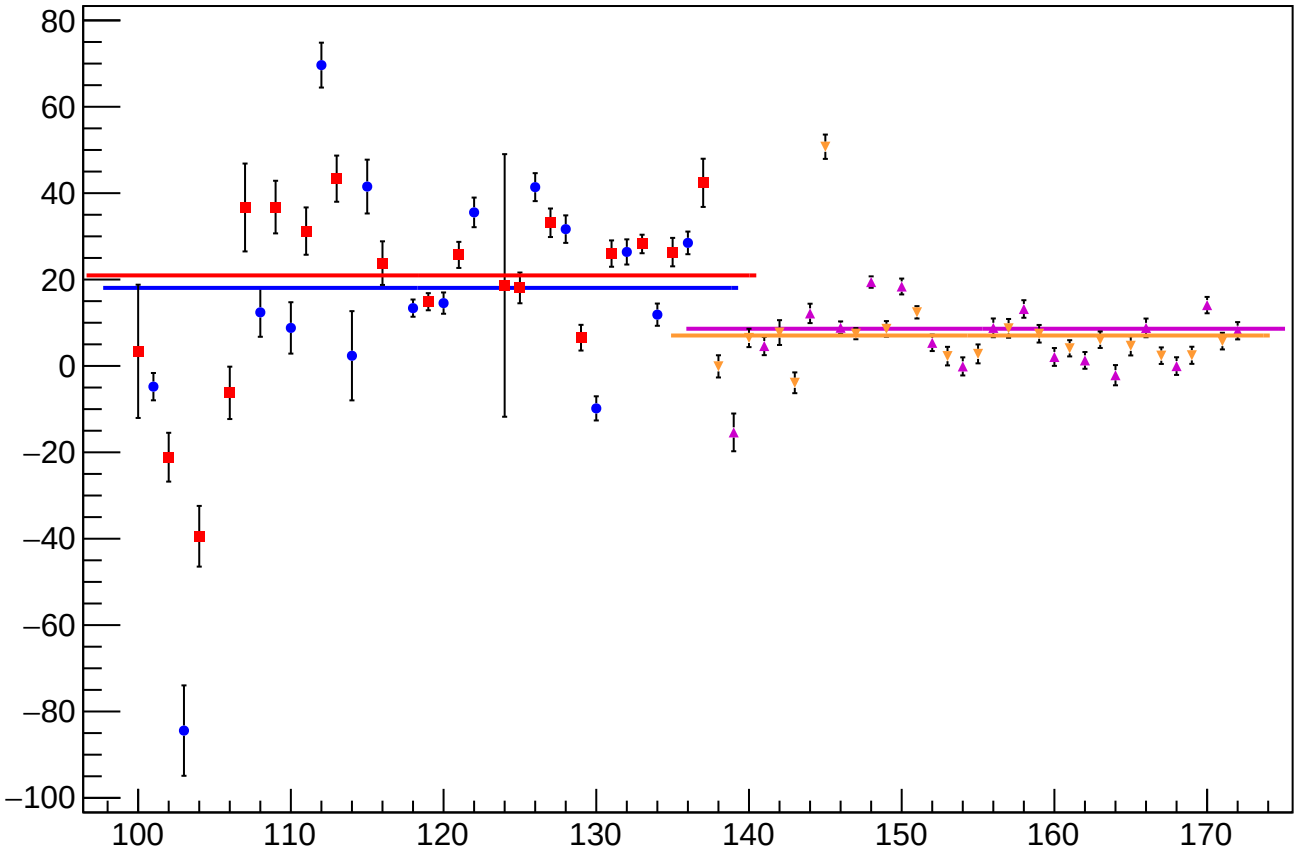
Left: -24.765+/-0.475 χ^2/NDF: 1991.2/34

Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -28.575+/-0.525 χ^2/NDF:2746.9/32

Out: -28.950+/-0.531 χ^2/NDF:3306.6/36

All: -28.761+/-0.373 χ^2/NDF: 6053.7/69



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 7.046+/-0.465 χ^2/NDF:309.3/17

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 8.609+/-0.475 χ^2/NDF:228.7/16

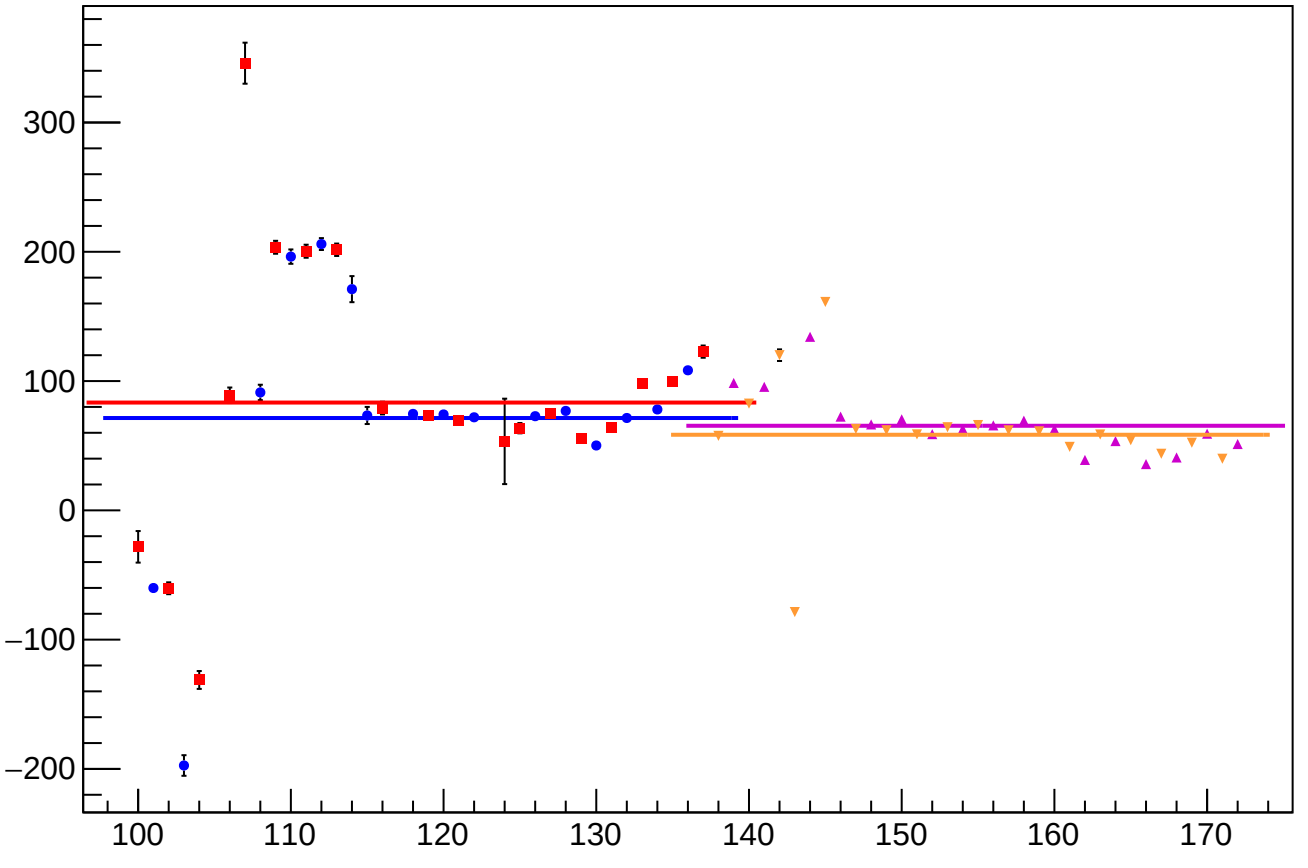
Left: 7.811+/-0.332 χ^2/NDF: 543.6/34

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 10.972+/-0.411 χ^2/NDF:827.5/32

Out: 10.146+/-0.410 χ^2/NDF:771.4/36

All: 10.558+/-0.290 χ^2/NDF: 1601.0/69



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 58.471+/-0.657 χ^2/NDF:3026.6/17

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 65.428+/-0.655 χ^2/NDF:1169.6/16

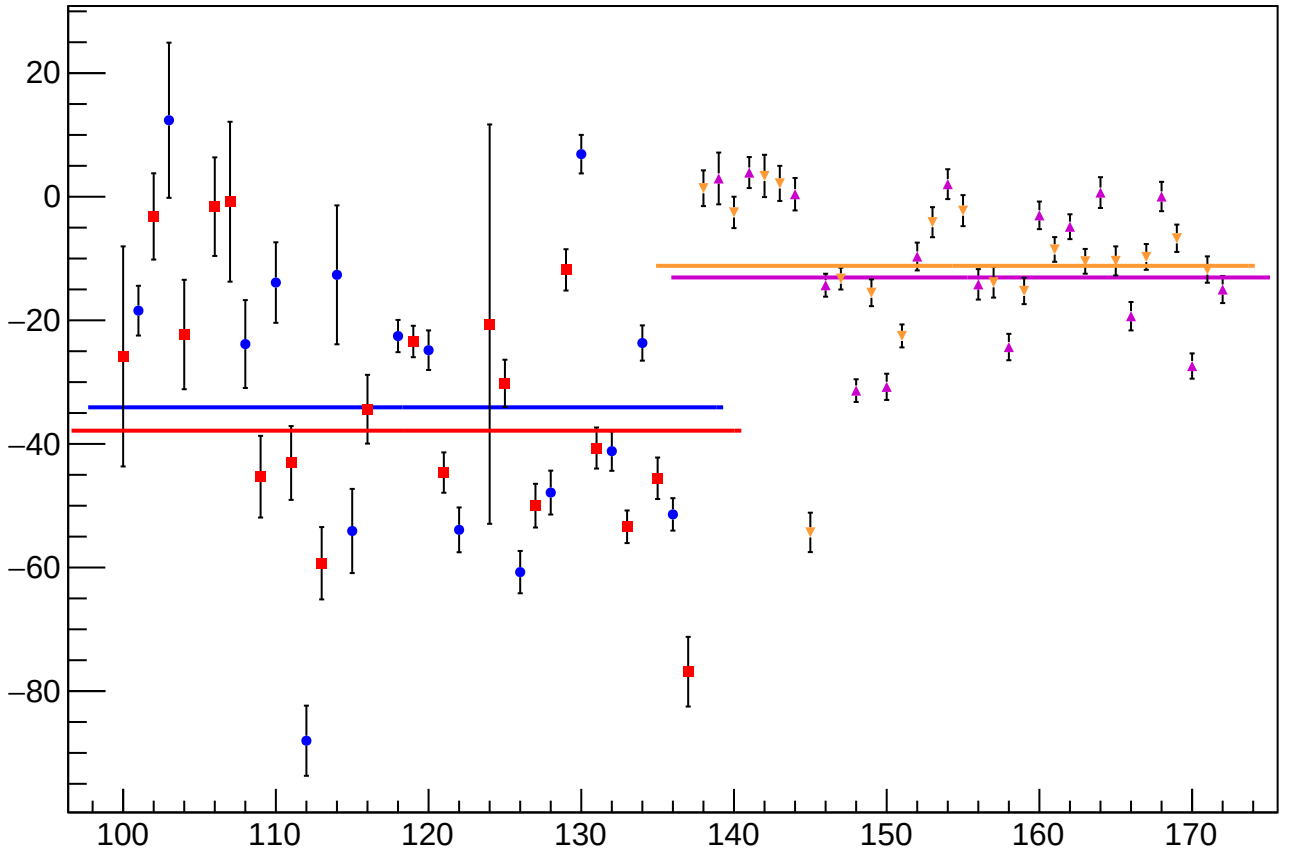
Left: 61.959+/-0.464 χ^2/NDF: 4252.4/34

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 67.413+/-0.536 χ^2/NDF:6016.9/32

Out: 66.137+/-0.547 χ^2/NDF:7766.6/36

All: 66.788+/-0.383 χ^2/NDF: 13786.3/69



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.180+/-0.539 χ^2/NDF:328.9/17

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -13.063+/-0.547 χ^2/NDF:480.7/16

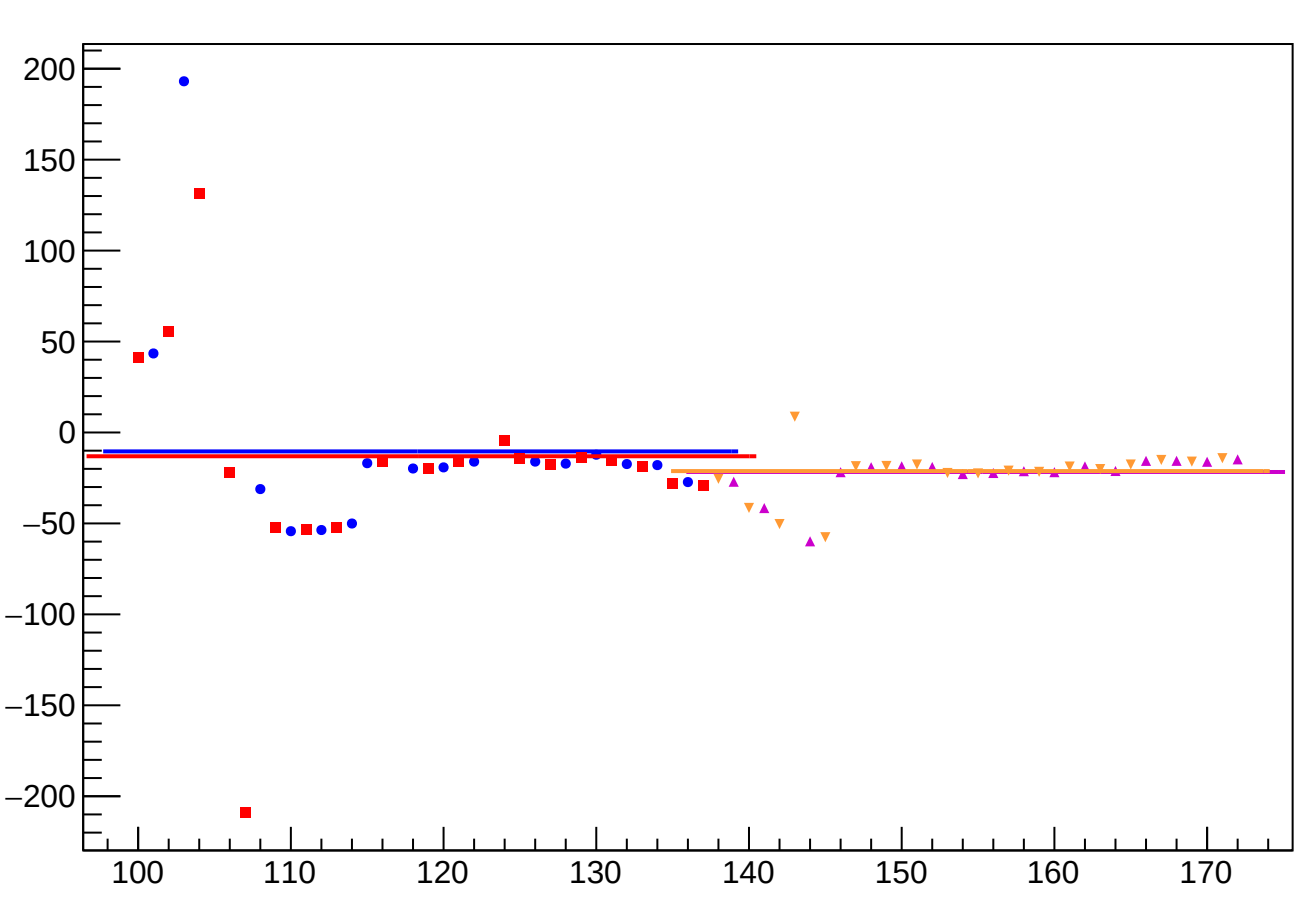
Left: -12.107+/-0.384 χ^2/NDF: 815.6/34

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -18.356+/-0.473 χ^2/NDF:1364.1/32

Out: -17.235+/-0.473 χ^2/NDF:1160.4/36

All: -17.796+/-0.335 χ^2/NDF: 2527.3/69



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -21.229+/-0.024 χ^2/NDF:201799.3/17

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -21.728+/-0.024 χ^2/NDF:126120.0/16

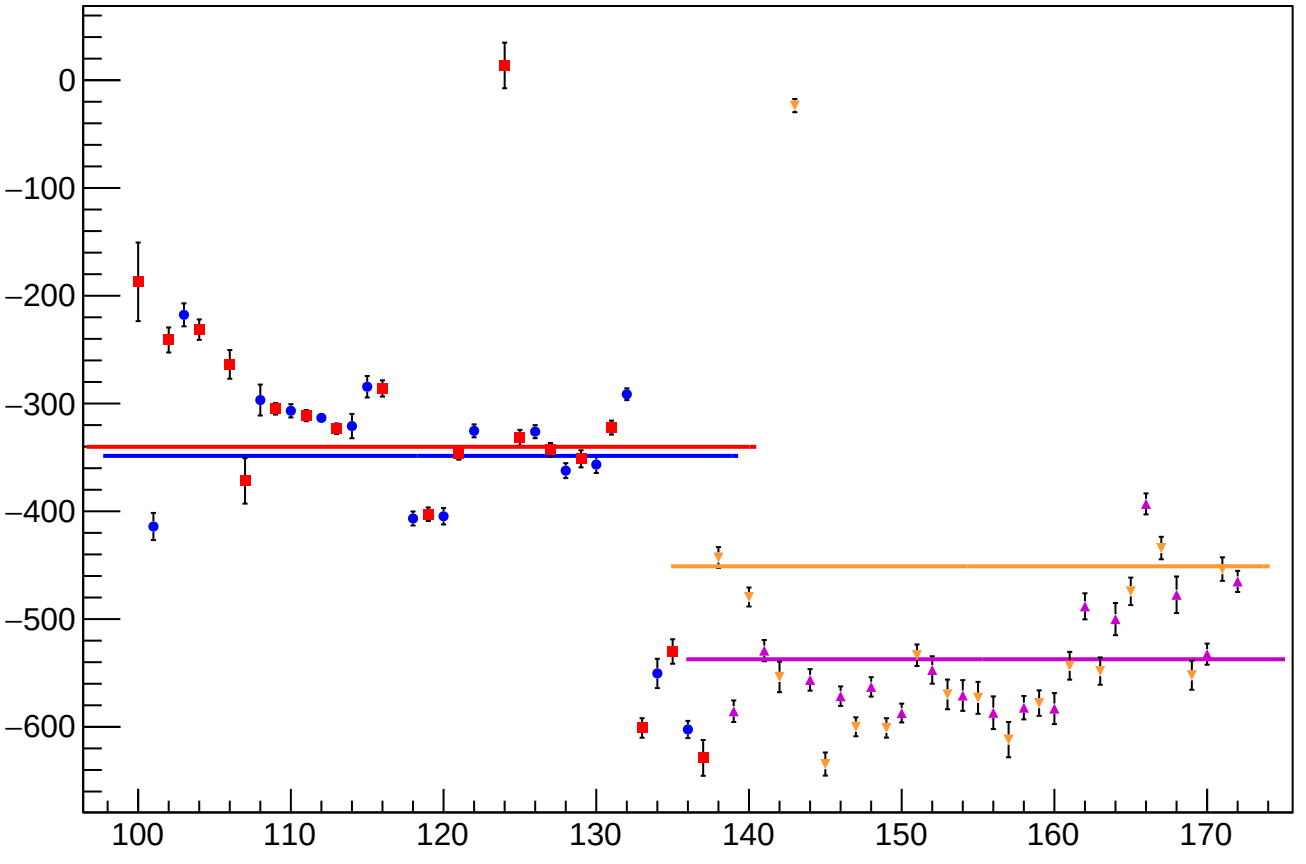
Left: -21.481+/-0.017 χ^2/NDF: 328130.4/34

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -19.990+/-0.022 χ^2/NDF:682102.5/32

Out: -20.152+/-0.023 χ^2/NDF:666130.1/36

All: -20.069+/-0.016 χ^2/NDF: 1348258.7/69



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -451.012+/-2.489 χ^2/NDF:6391.3/17

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -537.263+/-2.647 χ^2/NDF:434.4/16

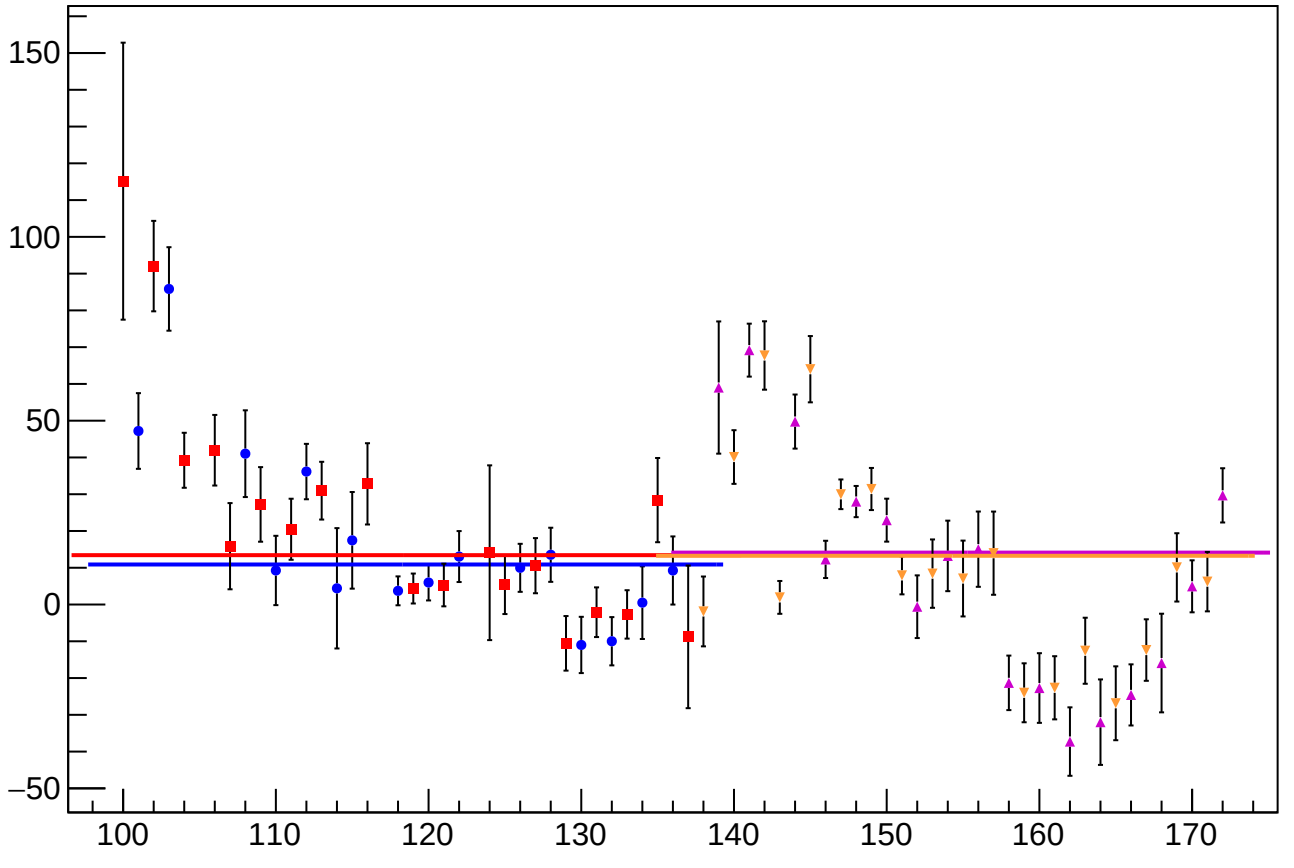
Left: -491.484+/-1.813 χ^2/NDF: 7389.2/34

Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -409.367+/-1.502 χ^2/NDF:5737.1/32

Out: -377.089+/-1.437 χ^2/NDF:9911.6/36

All: -392.508+/-1.038 χ^2/NDF: 15889.8/69



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 13.259+/-1.679 χ^2/NDF:191.0/17

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 14.120+/-1.809 χ^2/NDF:221.3/16

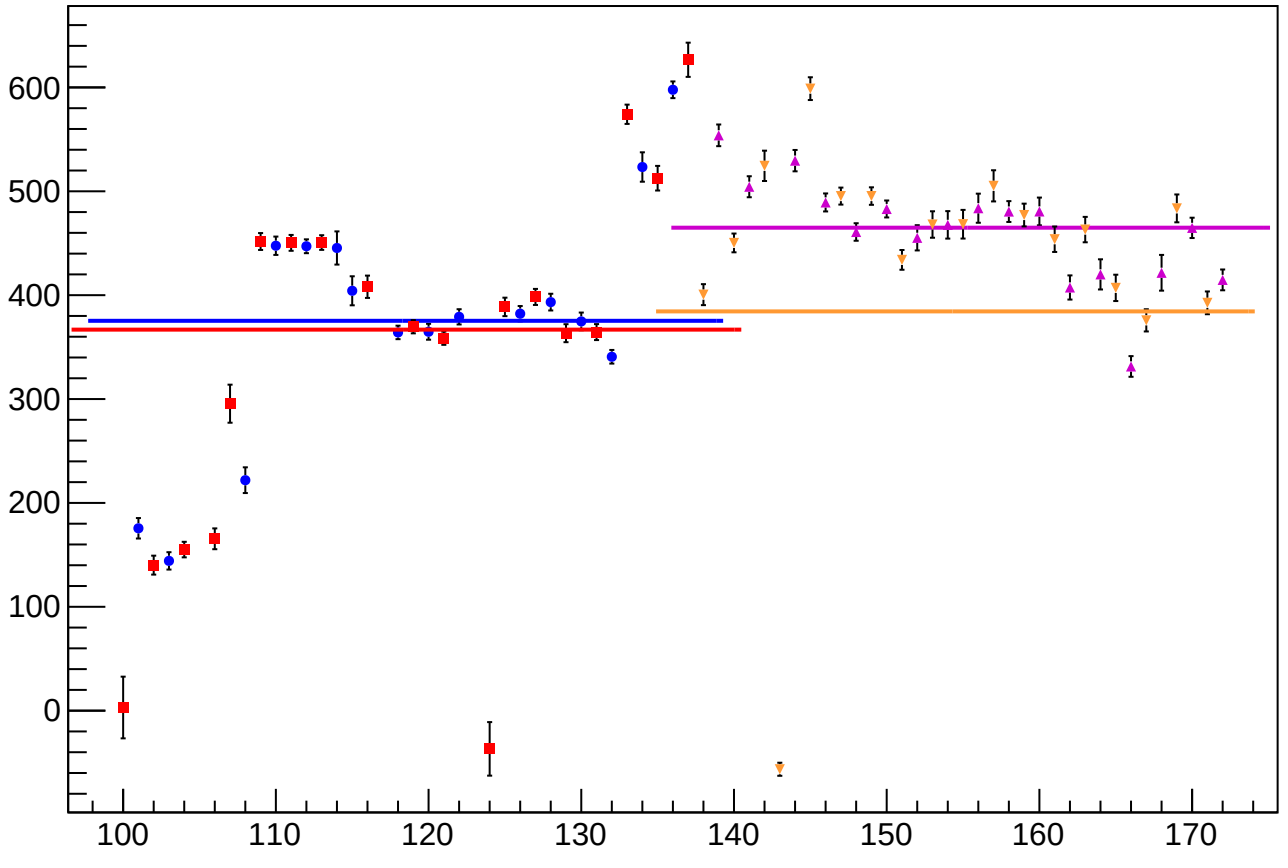
Left: 13.657+/-1.231 χ^2/NDF: 412.4/34

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 12.533+/-1.291 χ^2/NDF:321.1/32

Out: 13.335+/-1.245 χ^2/NDF:303.4/36

All: 12.949+/-0.896 χ^2/NDF: 624.7/69



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 384.381+/-2.449 χ^2/NDF:6165.4/17

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 464.961+/-2.582 χ^2/NDF:392.4/16

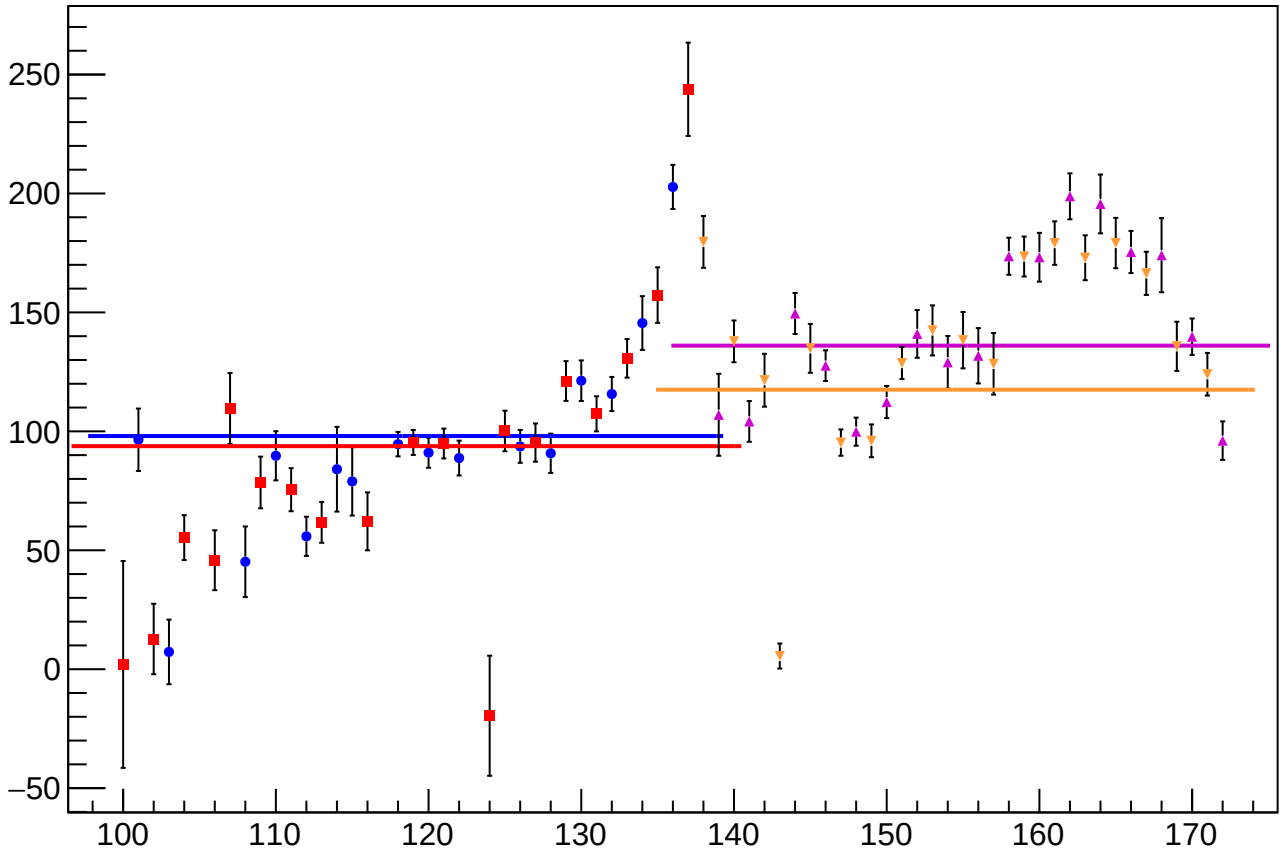
Left: 422.539+/-1.777 χ^2/NDF: 7070.5/34

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 411.066+/-1.630 χ^2/NDF:3566.5/32

Out: 374.059+/-1.572 χ^2/NDF:9736.7/36

All: 391.883+/-1.132 χ^2/NDF: 13570.2/69



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 117.505+/-1.987 χ^2/NDF:722.5/17

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 136.027+/-2.119 χ^2/NDF:223.4/16

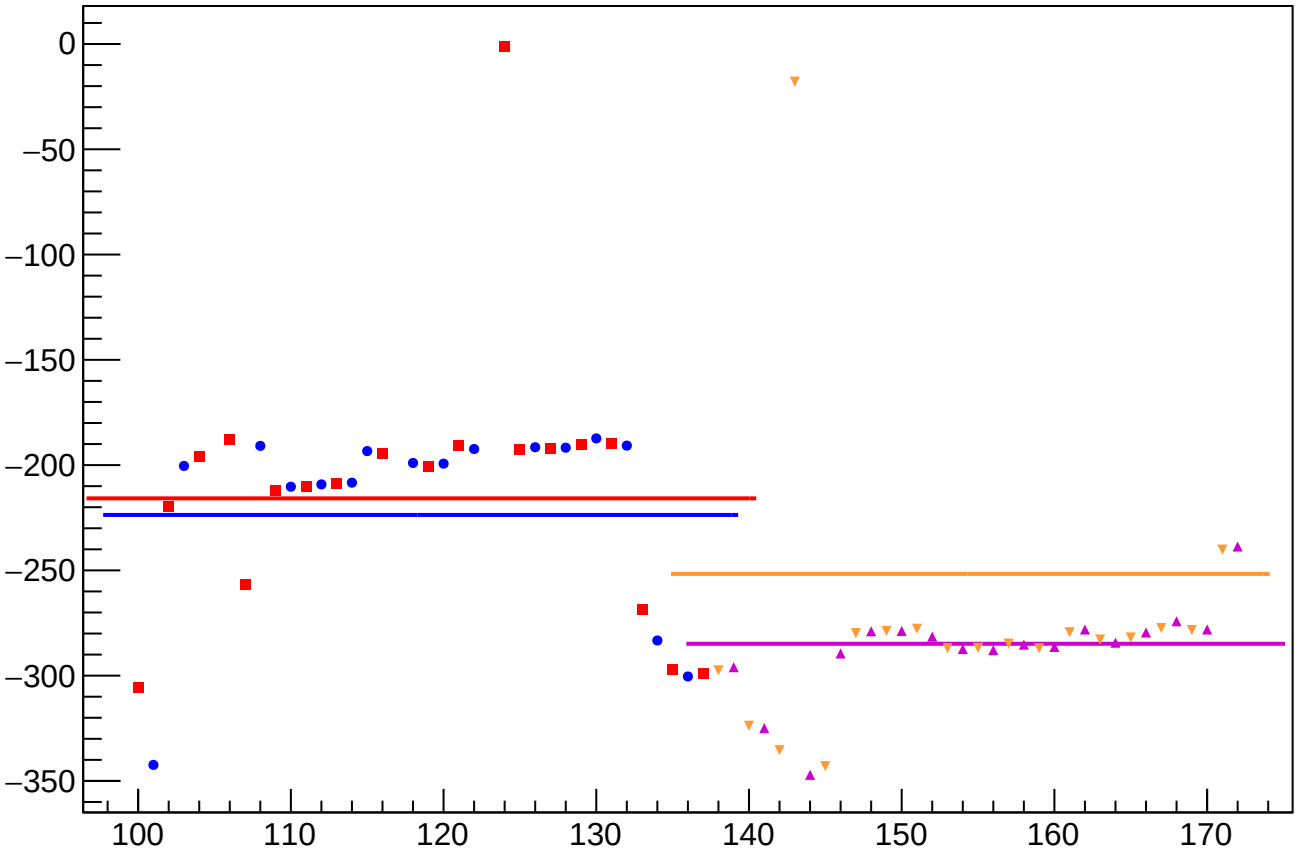
Left: 126.171+/-1.449 χ^2/NDF: 986.6/34

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 117.249+/-1.507 χ^2/NDF:631.8/32

Out: 106.509+/-1.456 χ^2/NDF:1025.8/36

All: 111.692+/-1.047 χ^2/NDF: 1683.9/69



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -251.682+/-0.095 χ^2/NDF:972432.4/17

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -284.858+/-0.097 χ^2/NDF:48705.4/16

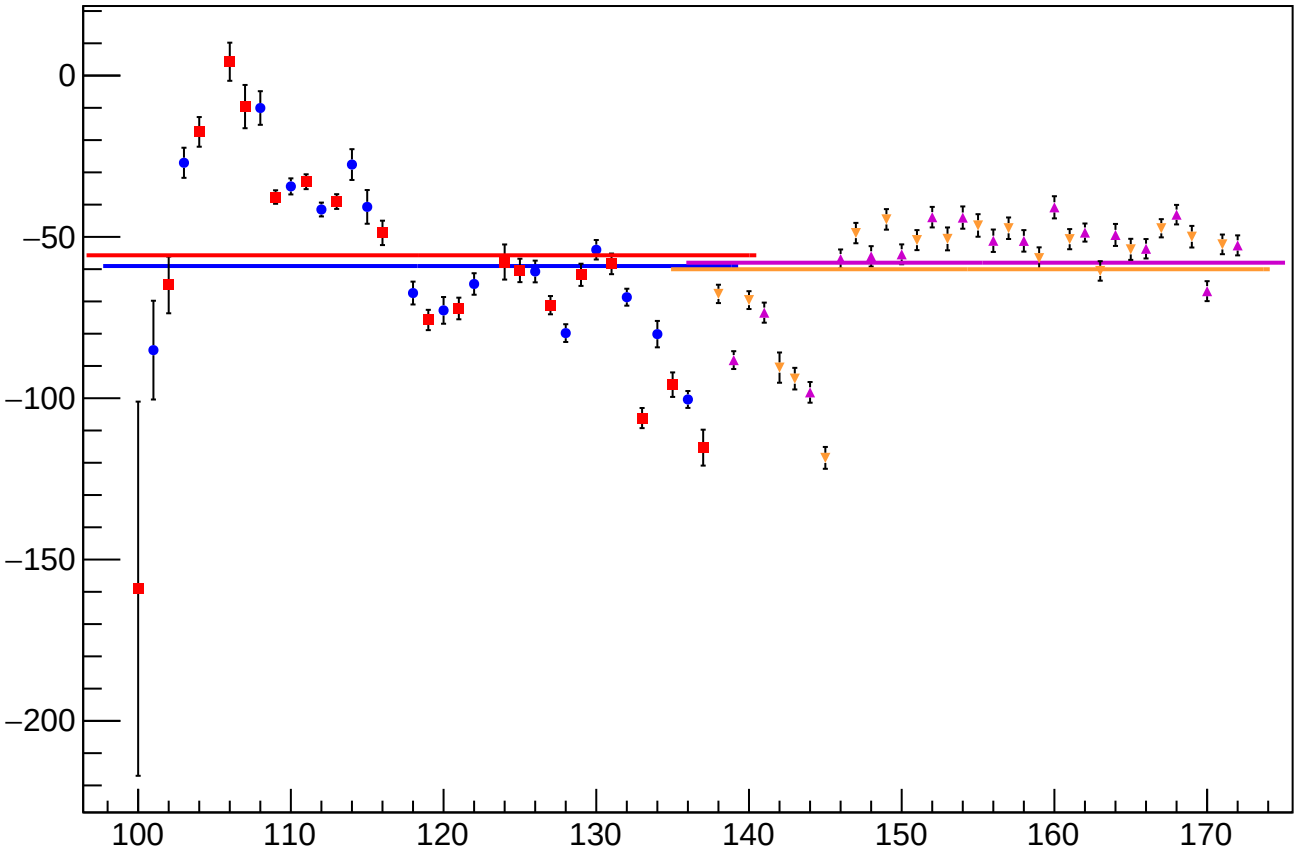
Left: -267.776+/-0.068 χ^2/NDF: 1080798.4/34

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -264.550+/-0.080 χ^2/NDF:301057.1/32

Out: -239.782+/-0.077 χ^2/NDF:1101670.0/36

All: -251.799+/-0.055 χ^2/NDF: 1452491.3/69



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -60.026+/-0.756 χ^2/NDF:592.3/17

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: -59.016+/-0.536 χ^2/NDF: 1022.4/34

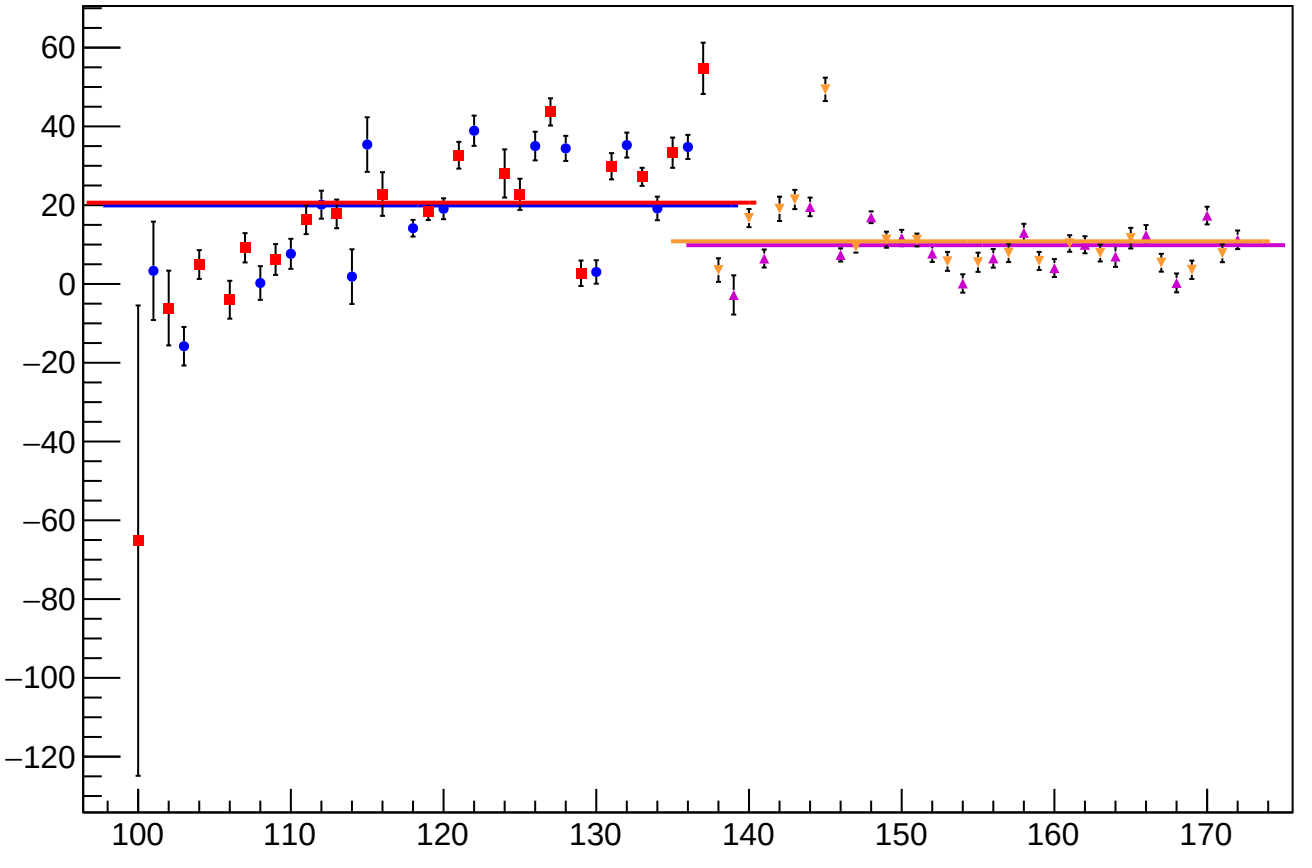
Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -58.468+/-0.560 χ^2/NDF:1154.7/32

Out: -57.957+/-0.546 χ^2/NDF:1649.1/36

All: -58.206+/-0.391 χ^2/NDF: 2804.2/69

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 10.828+/-0.523 χ^2/NDF:243.6/17

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 9.852+/-0.537 χ^2/NDF:109.4/16

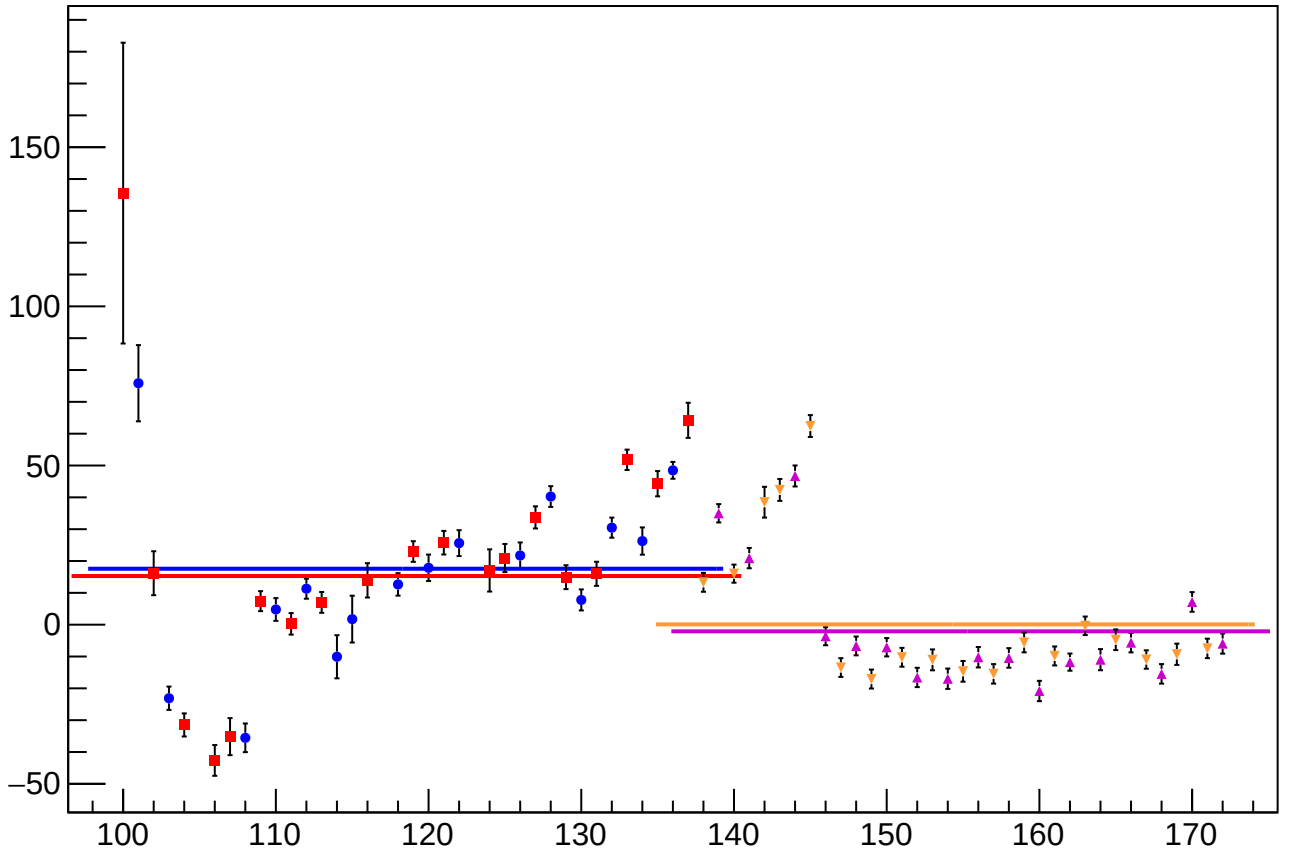
Left: 10.353+/-0.375 χ^2/NDF: 354.7/34

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 12.647+/-0.456 χ^2/NDF:454.5/32

Out: 13.554+/-0.445 χ^2/NDF:566.1/36

All: 13.112+/-0.318 χ^2/NDF: 1022.6/69



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: 0.093+/-0.739 χ^2/NDF:763.5/17

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: -2.090+/-0.741 χ^2/NDF:585.9/16

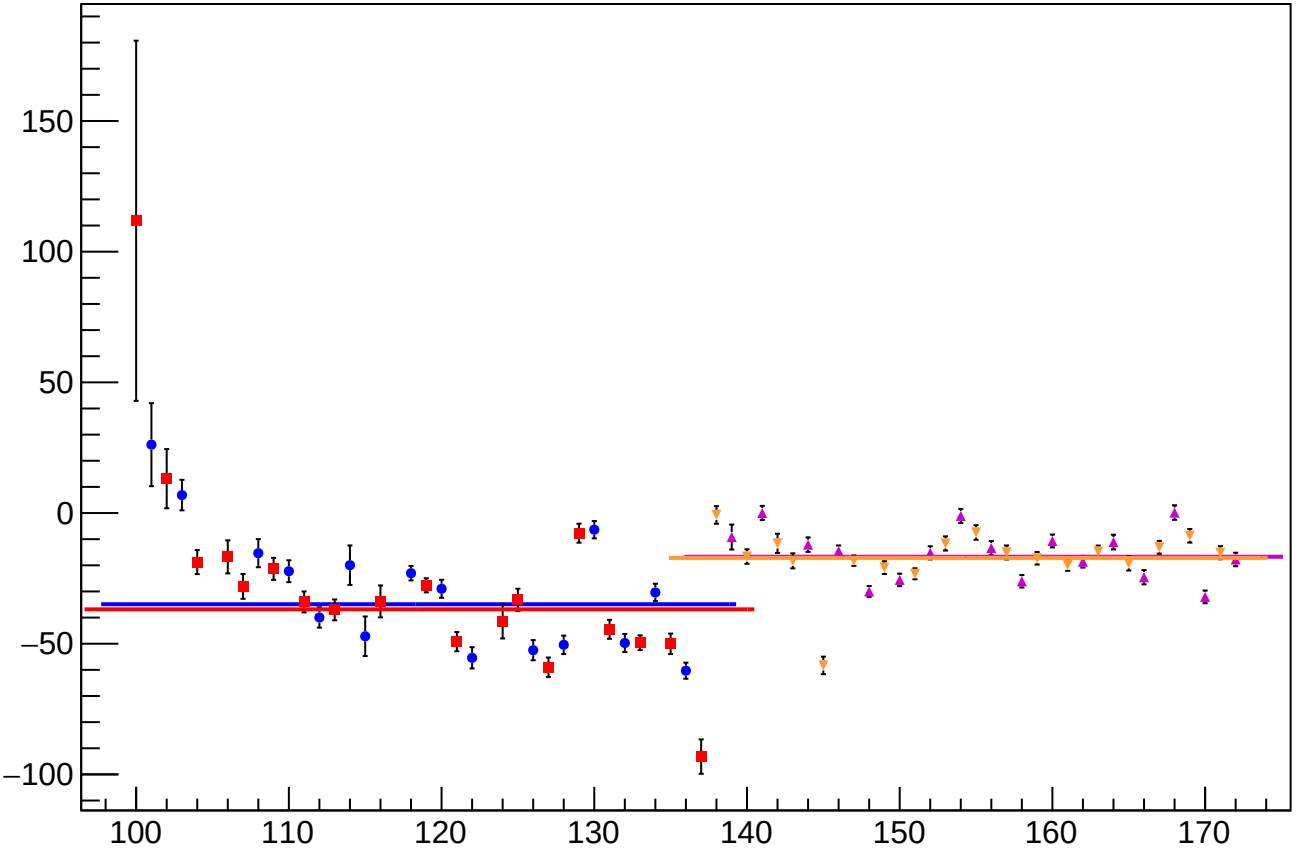
Left: -0.996+/-0.523 χ^2/NDF: 1353.7/34

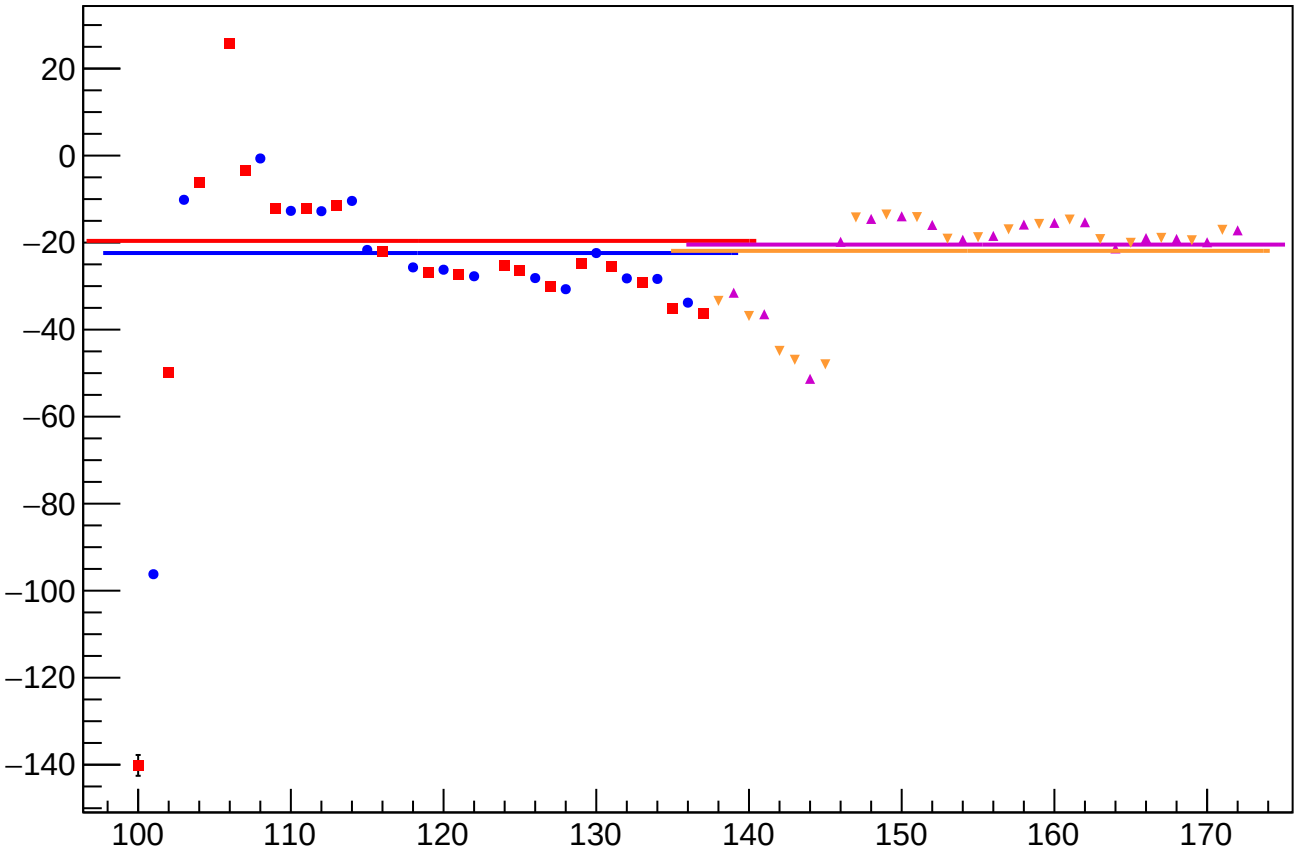
Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 5.281+/-0.586 χ^2/NDF:1396.2/32

Out: 5.943+/-0.580 χ^2/NDF:1656.2/36

All: 5.615+/-0.412 χ^2/NDF: 3053.0/69


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: -17.162+/-0.607 χ²/NDF:221.5/17
Right Out: -36.853+/-0.970 χ²/NDF: 301.4/18
Left In: -16.728+/-0.618 χ²/NDF:245.9/16
Left: -16.949+/-0.433 χ²/NDF: 467.7/34
Right: -35.897+/-0.693 χ²/NDF: 650.0/34
In: -21.824+/-0.524 χ²/NDF:834.8/32
Out: -22.701+/-0.514 χ²/NDF:819.4/36
All: -22.271+/-0.367 χ²/NDF: 1655.6/69



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -21.897+/-0.028 χ^2/NDF:133795.3/17

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -20.456+/-0.027 χ^2/NDF:85910.2/16

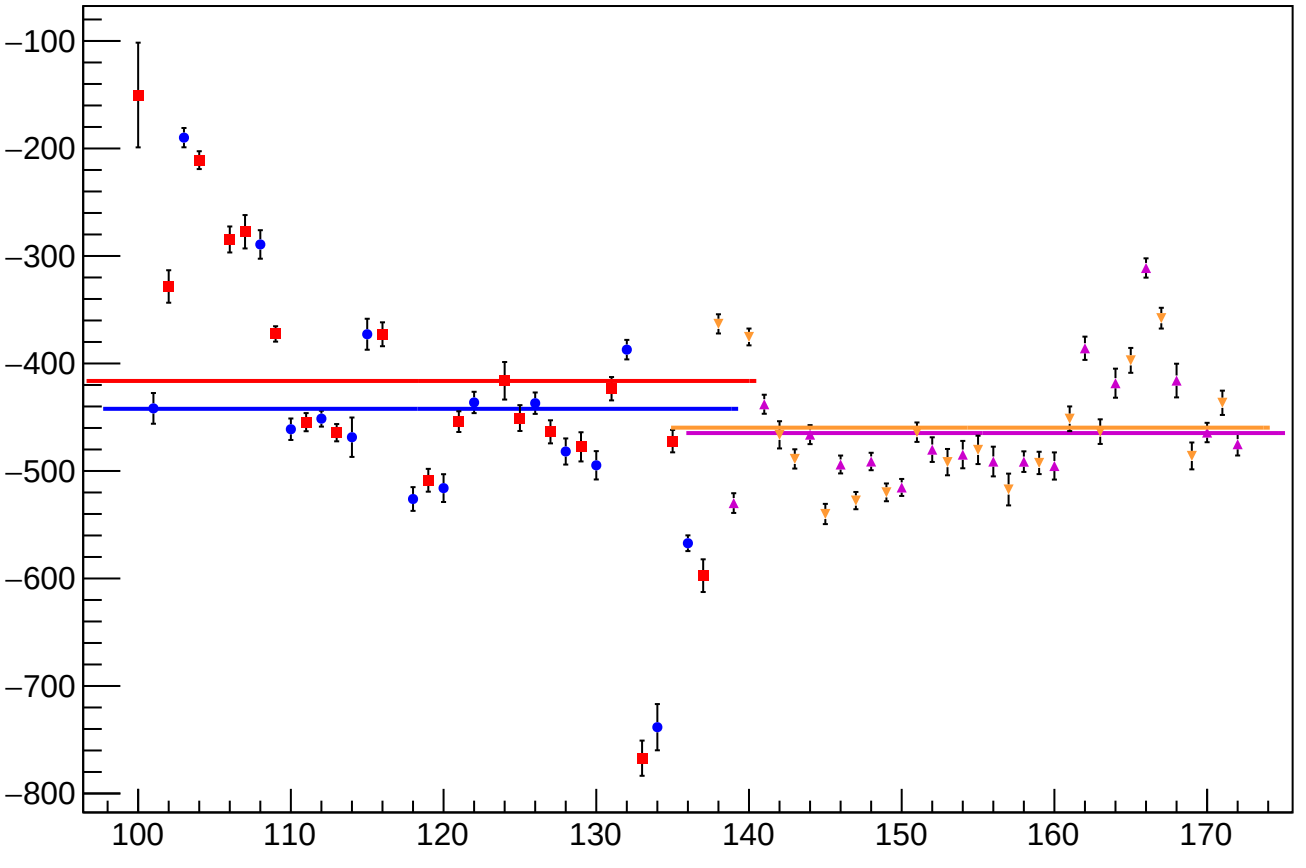
Left: -21.172+/-0.019 χ^2/NDF: 221083.5/34

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -20.806+/-0.025 χ^2/NDF:133335.7/32

Out: -21.492+/-0.025 χ^2/NDF:218884.4/36

All: -21.146+/-0.018 χ^2/NDF: 352600.7/69



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -459.696+/-2.390 χ^2/NDF:625.5/17

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -464.736+/-2.417 χ^2/NDF:513.3/16

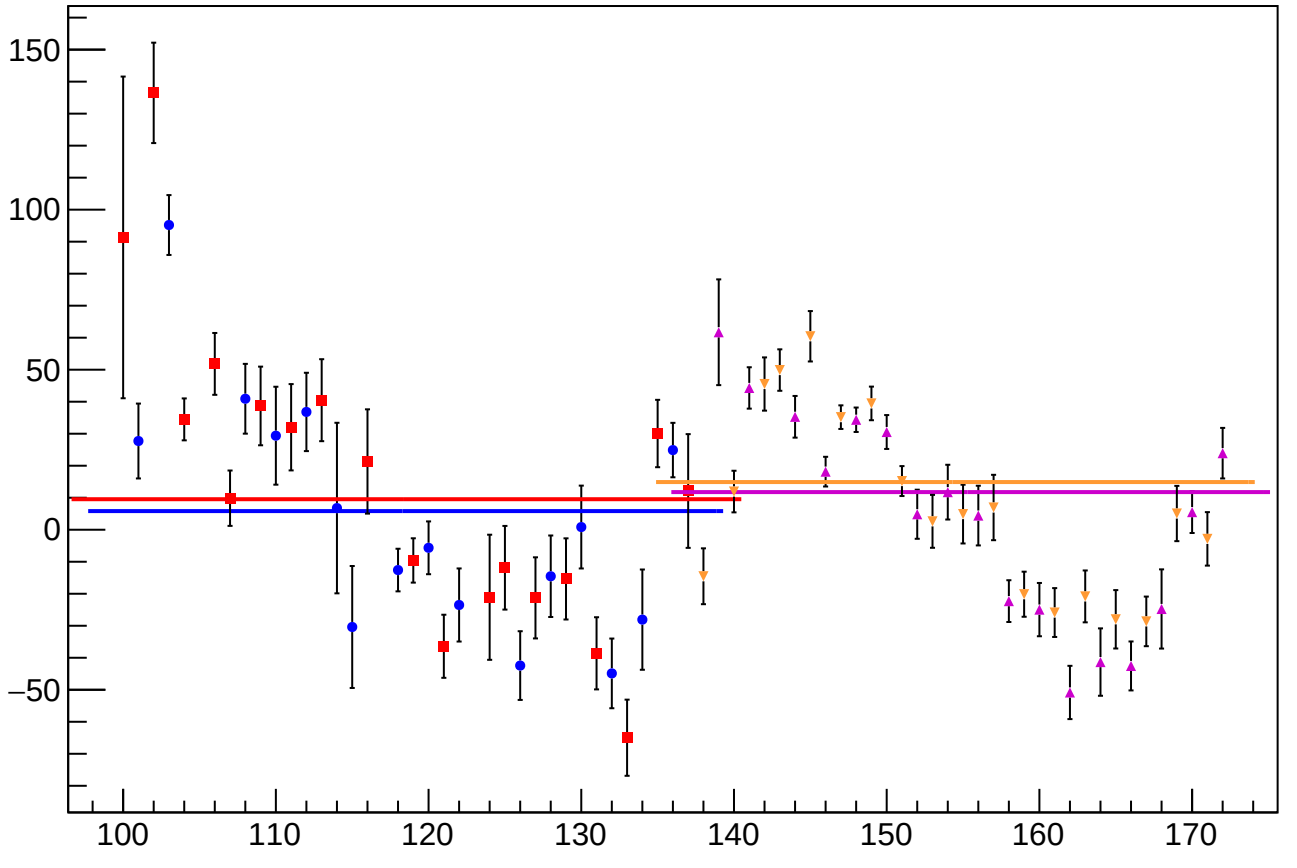
Left: -462.187+/-1.699 χ^2/NDF: 1141.1/34

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -454.625+/-1.795 χ^2/NDF:2141.5/32

Out: -439.153+/-1.735 χ^2/NDF:2535.6/36

All: -446.623+/-1.248 χ^2/NDF: 4715.5/69



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 14.897+/-1.598 χ^2/NDF:276.1/17

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 11.760+/-1.647 χ^2/NDF:289.7/16

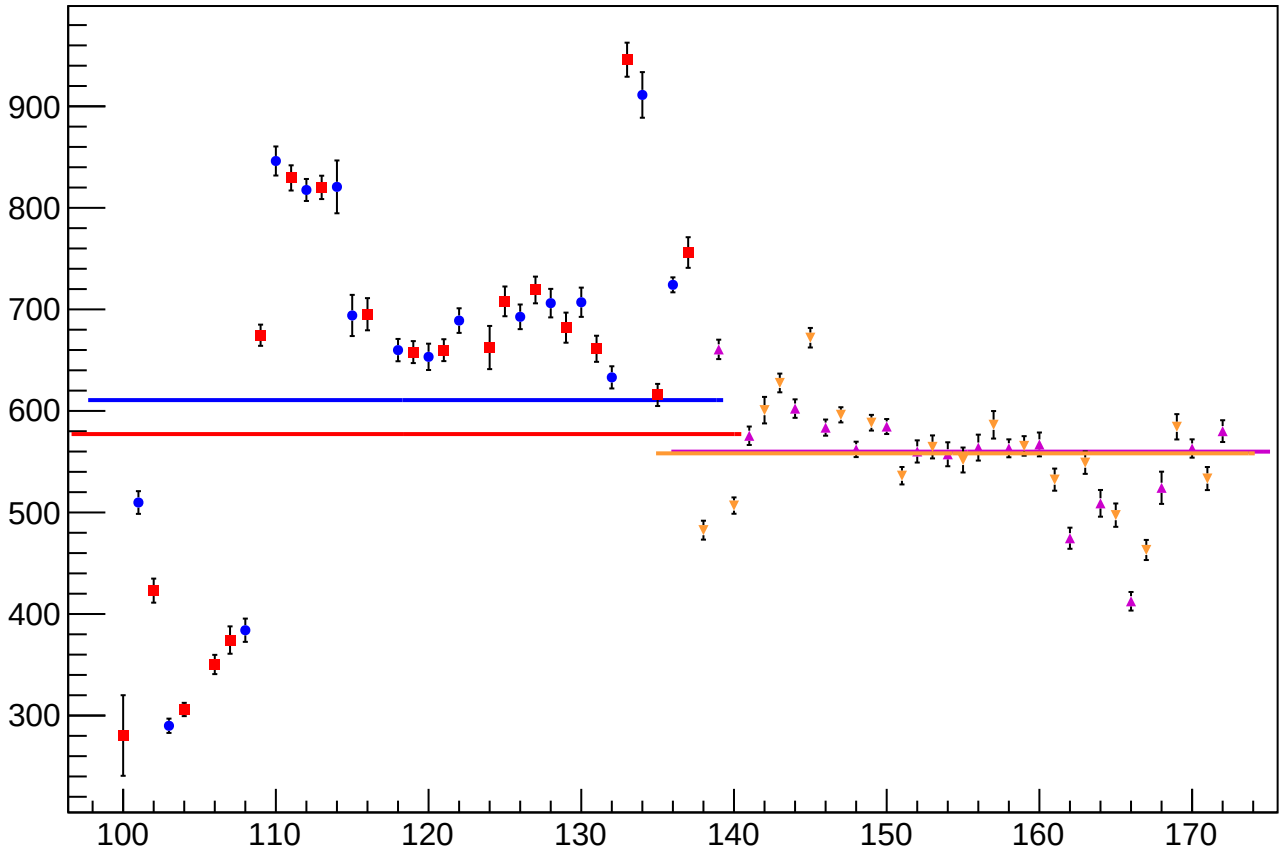
Left: 13.376+/-1.147 χ^2/NDF: 567.7/34

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 10.175+/-1.410 χ^2/NDF:481.3/32

Out: 13.391+/-1.355 χ^2/NDF:501.5/36

All: 11.847+/-0.977 χ^2/NDF: 985.4/69



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 558.217+/-2.339 χ^2/NDF:502.6/17

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: 559.060+/-1.659 χ^2/NDF: 1009.4/34

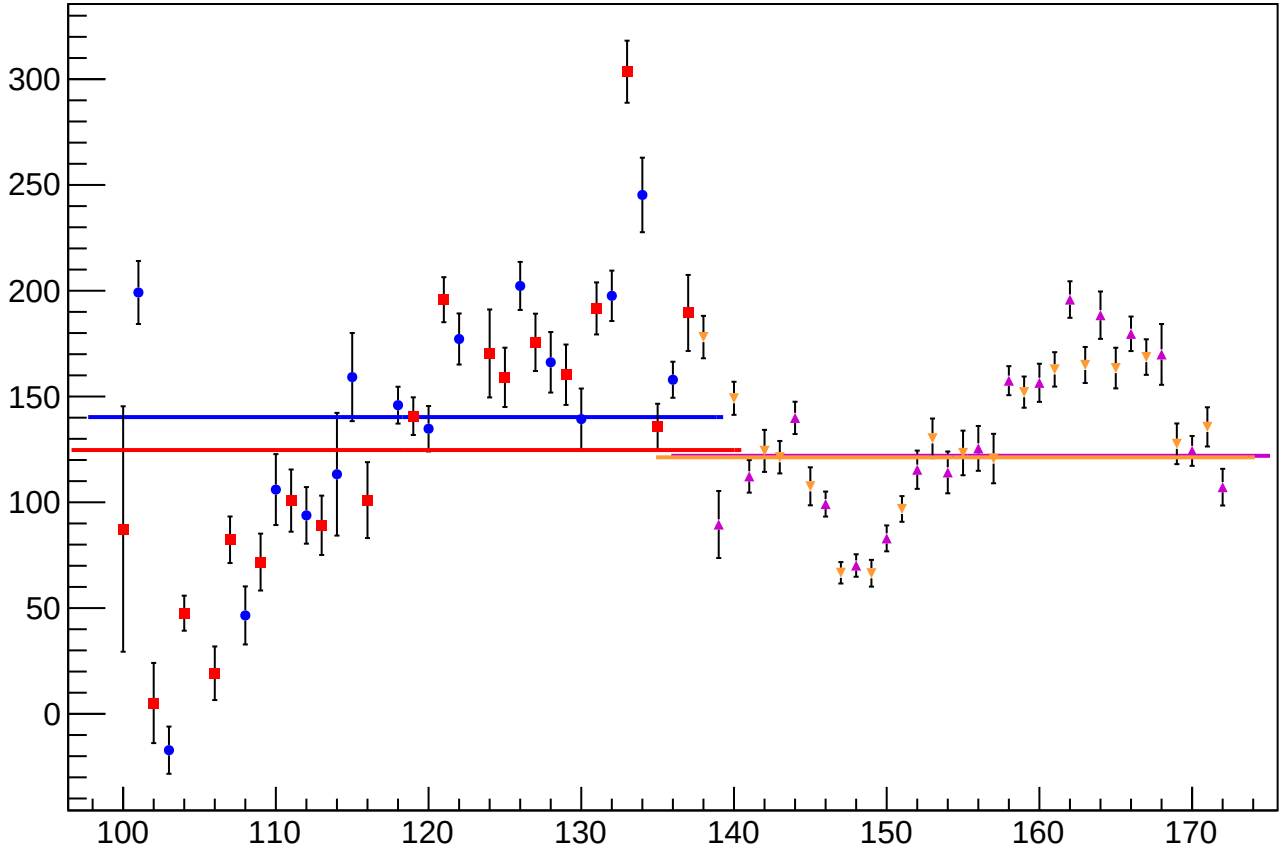
Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 580.144+/-1.826 χ^2/NDF:4584.3/32

Out: 566.169+/-1.783 χ^2/NDF:5330.5/36

All: 572.990+/-1.276 χ^2/NDF: 9944.8/69

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 121.252+/-1.891 χ^2/NDF:379.6/17

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 121.981+/-1.931 χ^2/NDF:377.3/16

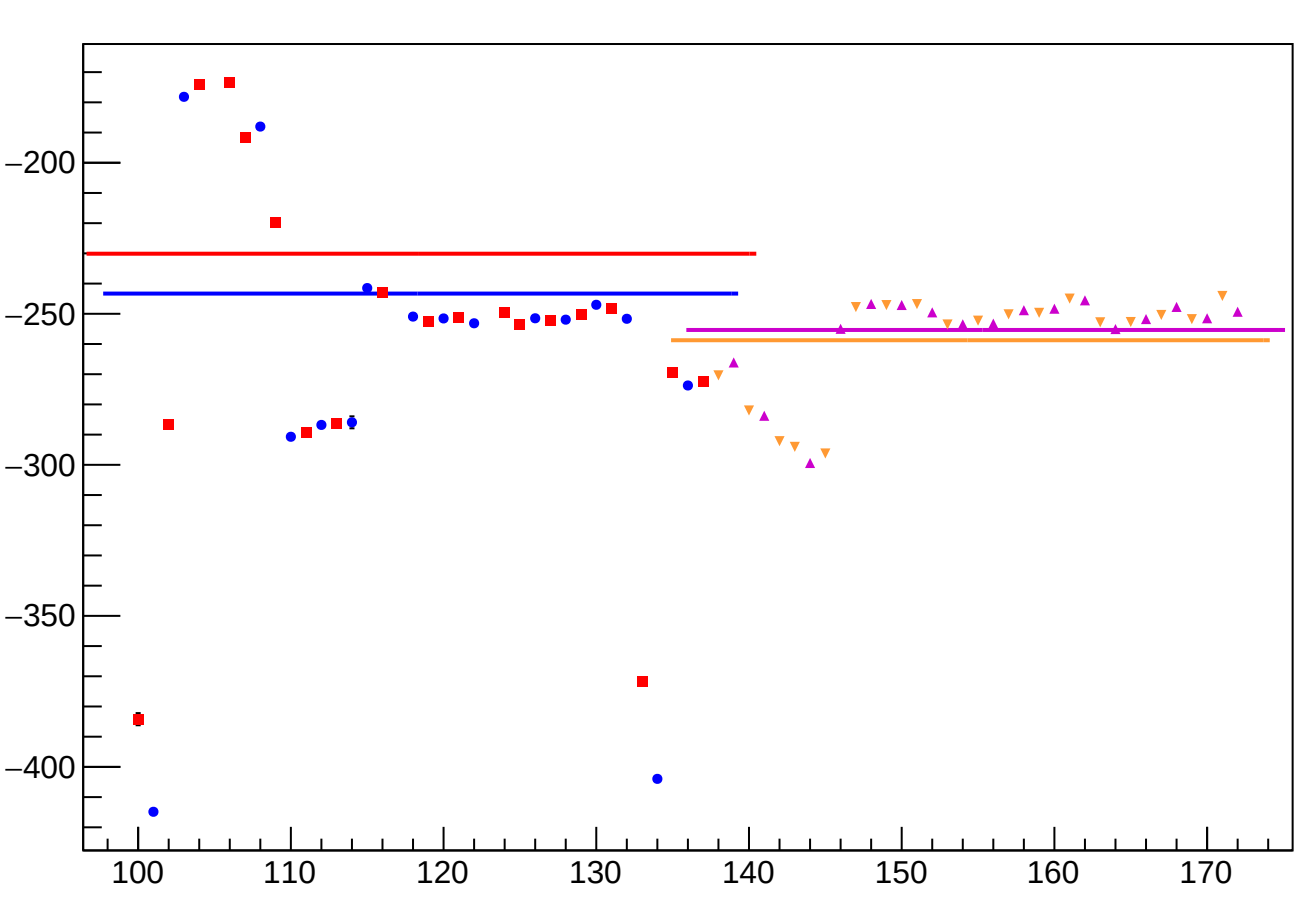
Left: 121.609+/-1.351 χ^2/NDF: 757.0/34

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 126.976+/-1.646 χ^2/NDF:787.2/32

Out: 122.242+/-1.597 χ^2/NDF:889.1/36

All: 124.536+/-1.146 χ^2/NDF: 1680.5/69



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -258.753+/-0.090 χ^2/NDF:36224.0/17

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -255.353+/-0.089 χ^2/NDF:22437.3/16

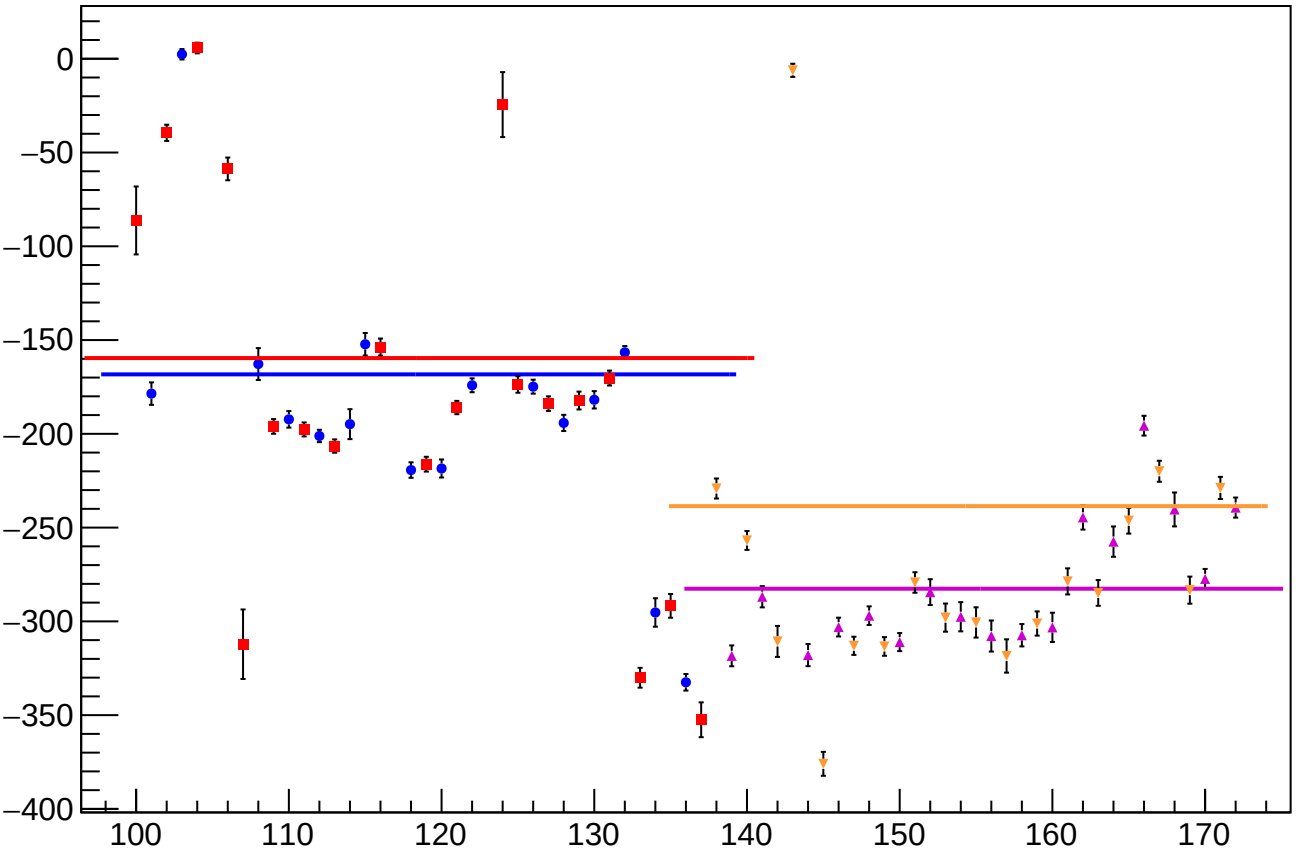
Left: -257.037+/-0.063 χ^2/NDF: 59383.4/34

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -252.571+/-0.078 χ^2/NDF:200149.7/32

Out: -251.706+/-0.078 χ^2/NDF:163655.2/36

All: -252.138+/-0.055 χ^2/NDF: 363866.3/69



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -238.558+/-1.382 χ^2/NDF:5887.7/17

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -282.591+/-1.459 χ^2/NDF:578.9/16

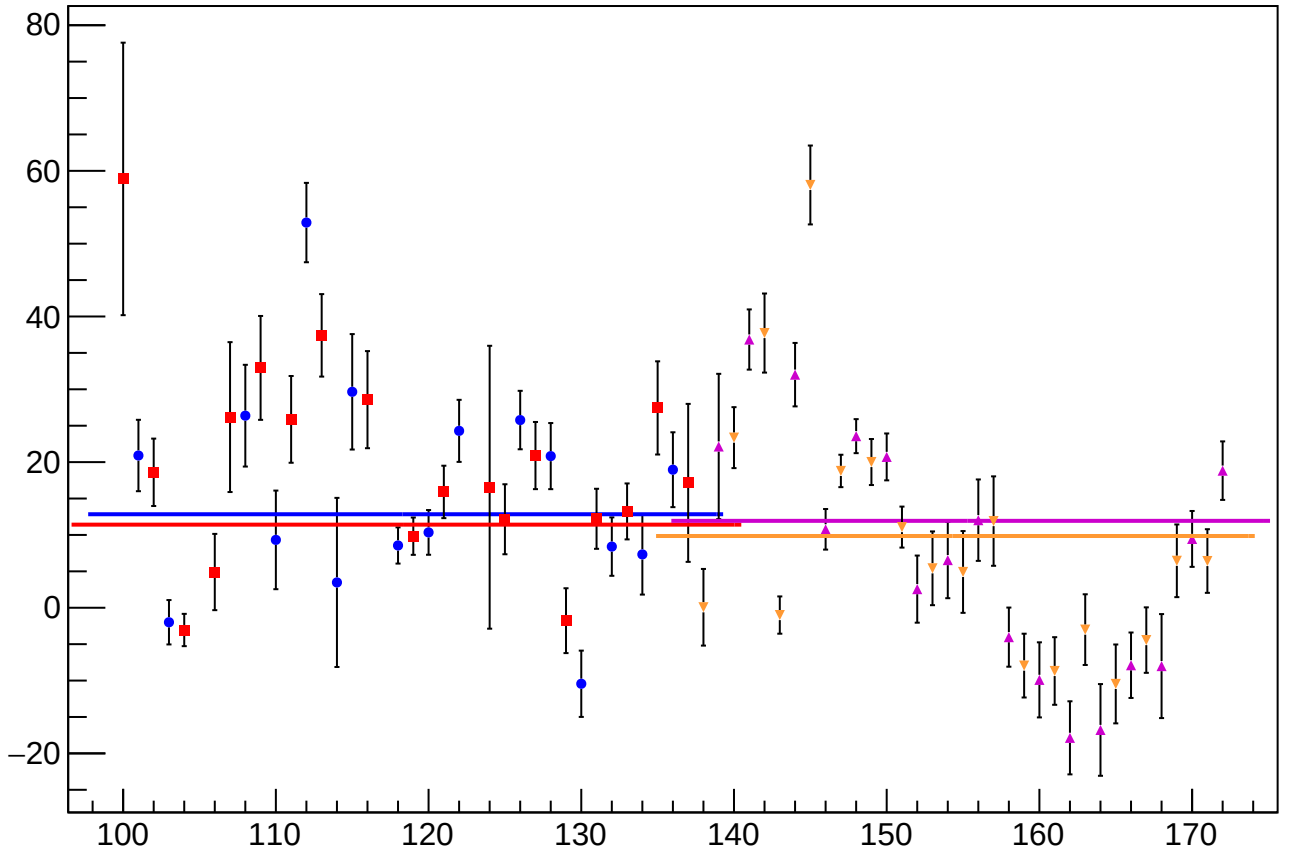
Left: -259.381+/-1.003 χ^2/NDF: 6947.0/34

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -208.562+/-0.866 χ^2/NDF:10463.9/32

Out: -188.243+/-0.832 χ^2/NDF:15167.1/36

All: -197.999+/-0.600 χ^2/NDF: 25917.3/69



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 9.853+/-0.930 χ^2/NDF:230.4/17

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 11.935+/-0.996 χ^2/NDF:216.2/16

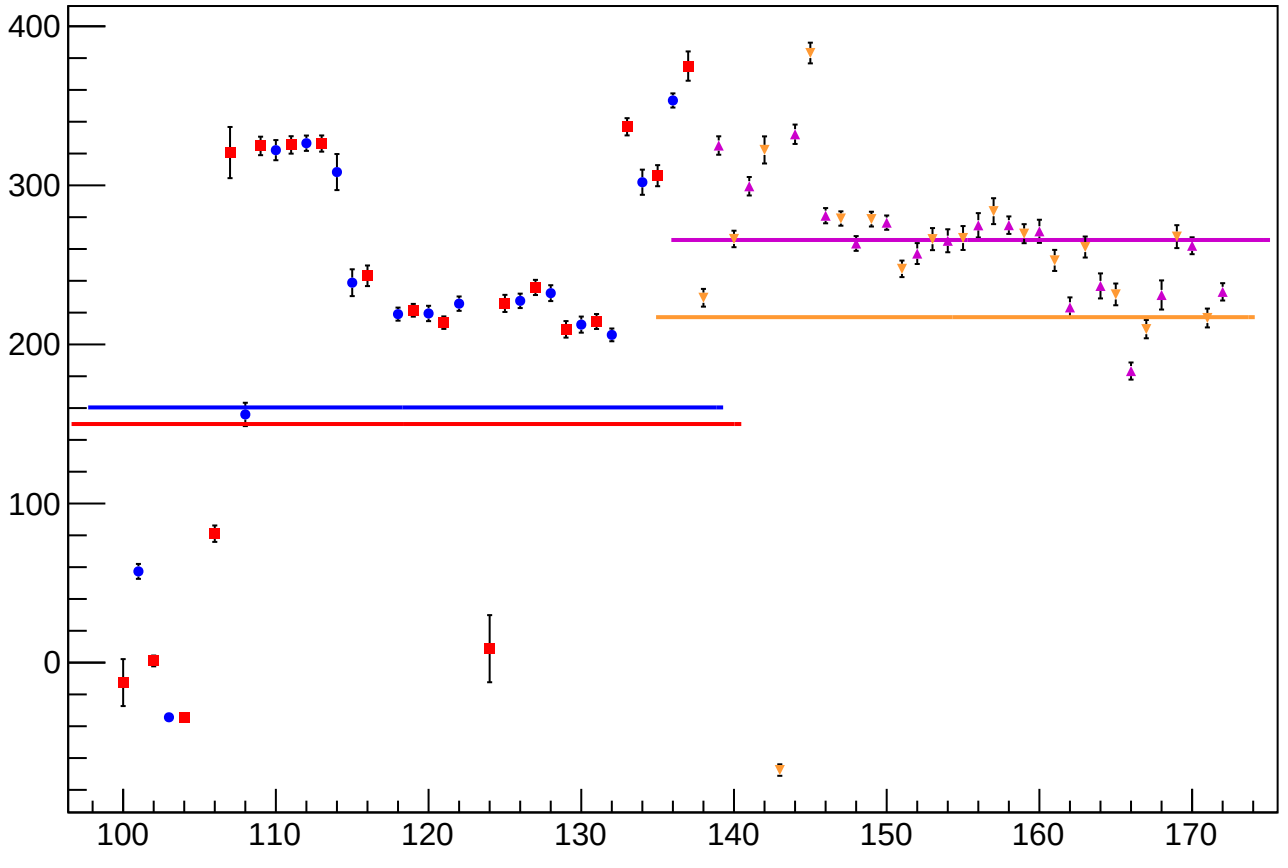
Left: 10.822+/-0.680 χ^2/NDF: 449.0/34

Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 12.354+/-0.731 χ^2/NDF:360.3/32

Out: 10.550+/-0.692 χ^2/NDF:351.3/36

All: 11.402+/-0.503 χ^2/NDF: 714.8/69



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 217.151+/-1.357 χ^2/NDF:7883.2/17

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 265.663+/-1.422 χ^2/NDF:625.1/16

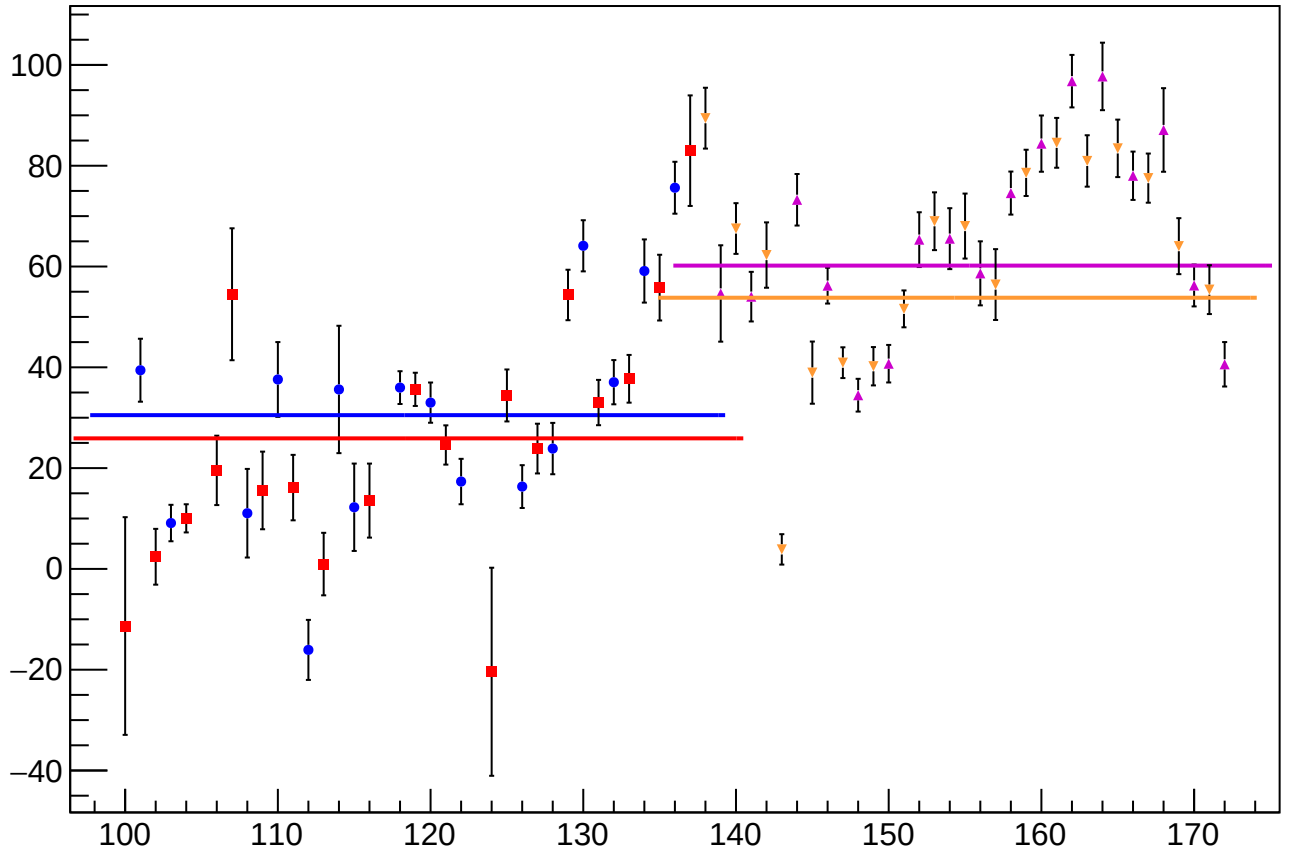
Left: 240.285+/-0.982 χ^2/NDF: 9117.3/34

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 201.553+/-0.889 χ^2/NDF:17913.2/32

Out: 176.800+/-0.858 χ^2/NDF:25619.5/36

All: 188.735+/-0.617 χ^2/NDF: 43934.3/69



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 53.808+/-1.099 χ^2/NDF:517.0/17

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 60.182+/-1.166 χ^2/NDF:257.2/16

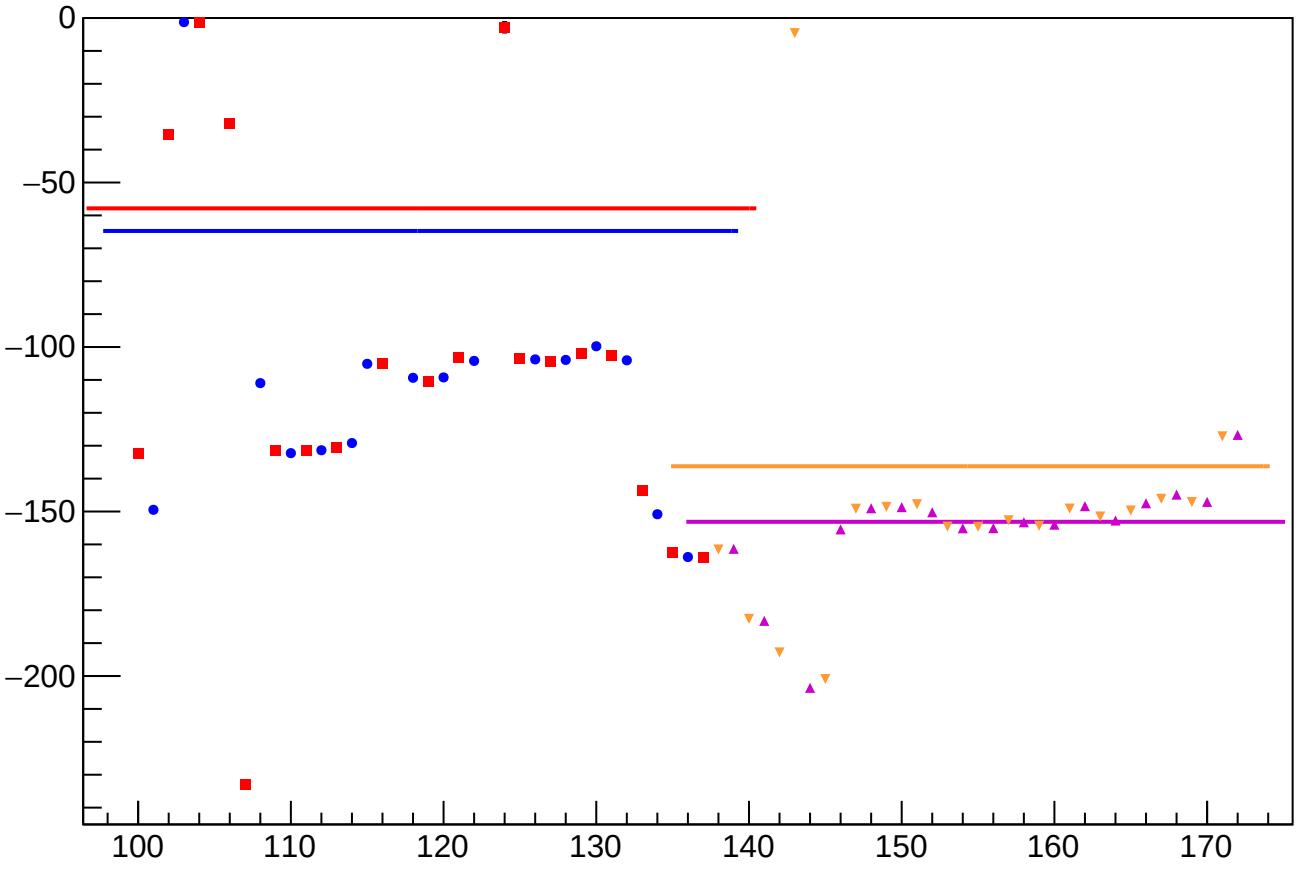
Left: 56.809+/-0.800 χ^2/NDF: 790.1/34

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 46.432+/-0.854 χ^2/NDF:834.4/32

Out: 41.223+/-0.815 χ^2/NDF:995.3/36

All: 43.705+/-0.589 χ^2/NDF: 1849.2/69



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -136.240+/-0.052 χ^2/NDF:964201.8/17

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -153.130+/-0.054 χ^2/NDF:76040.4/16

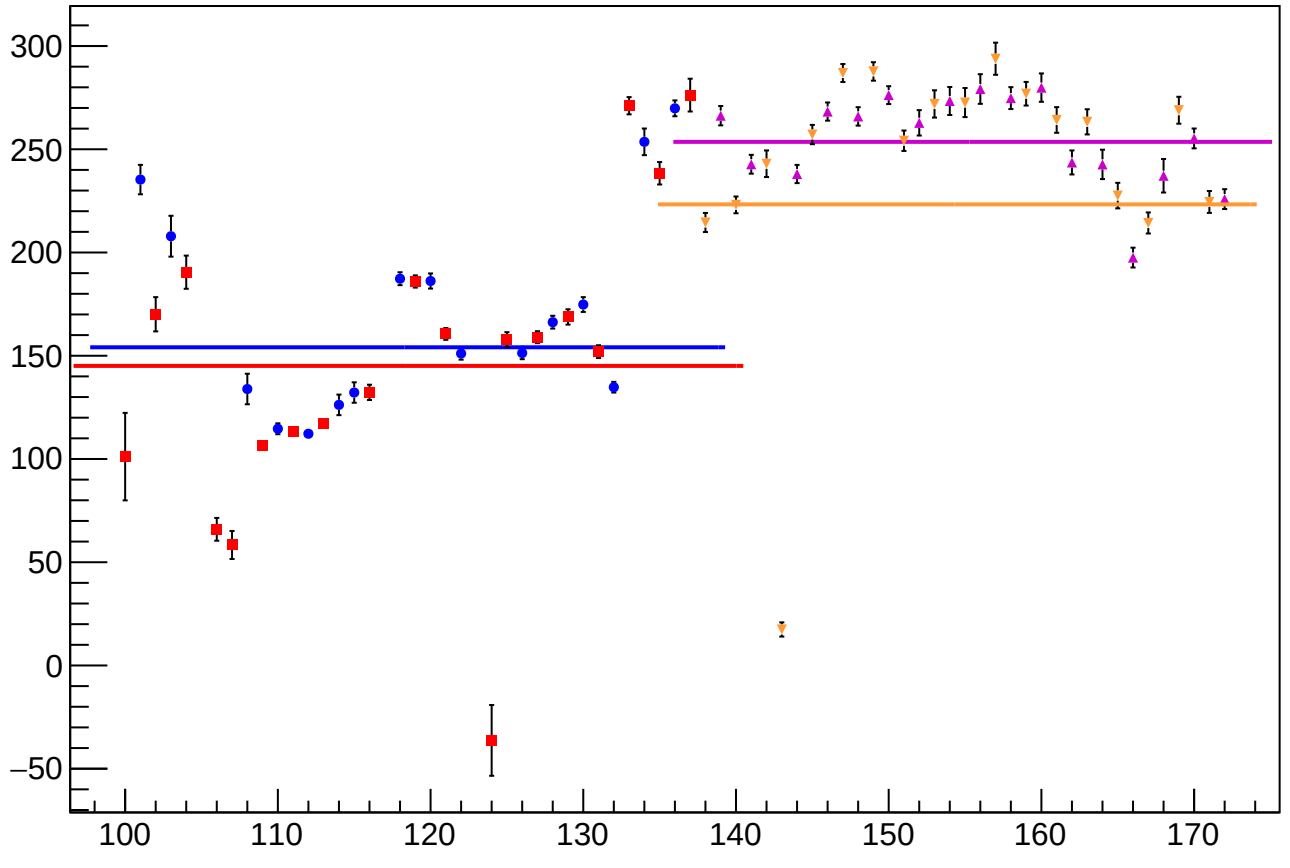
Left: -144.481+/-0.037 χ^2/NDF: 1091229.6/34

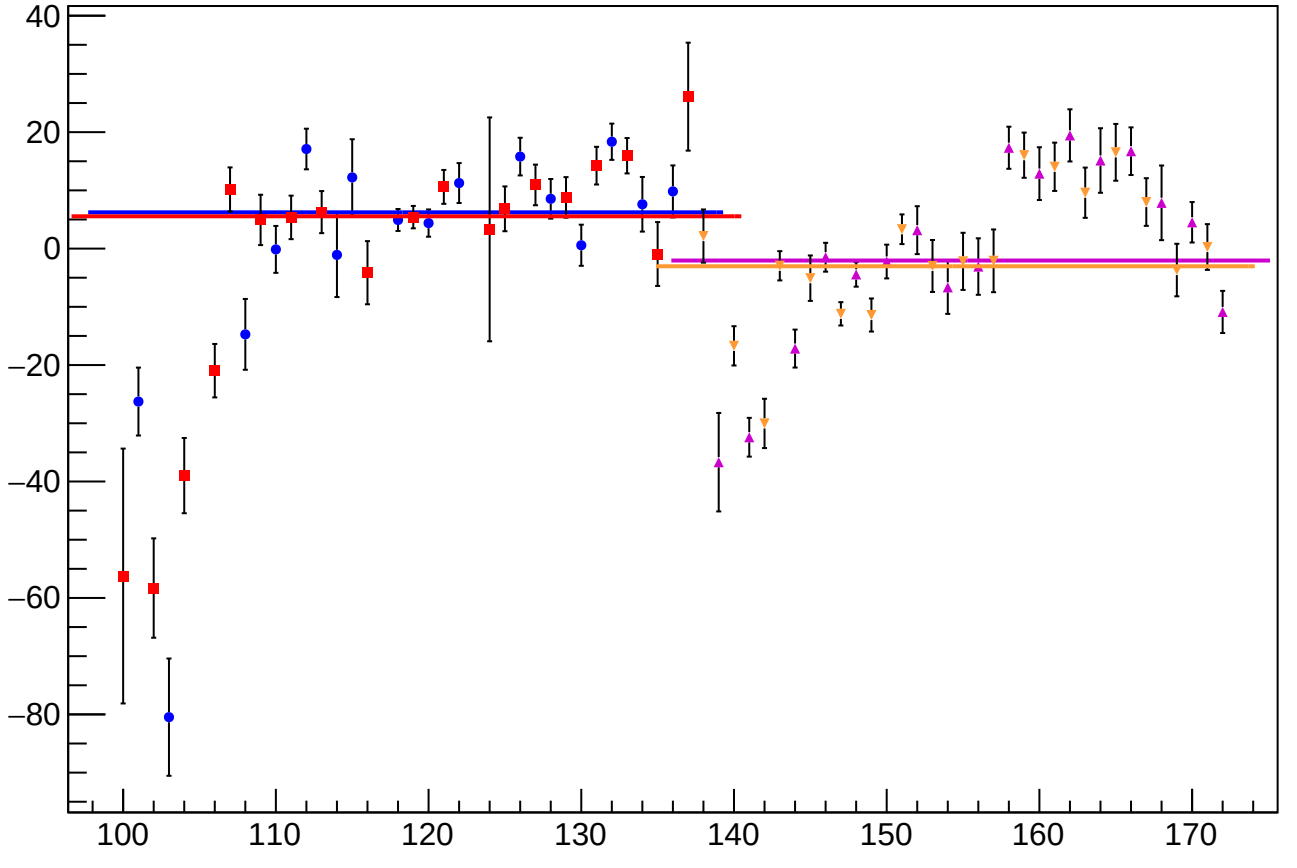
Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

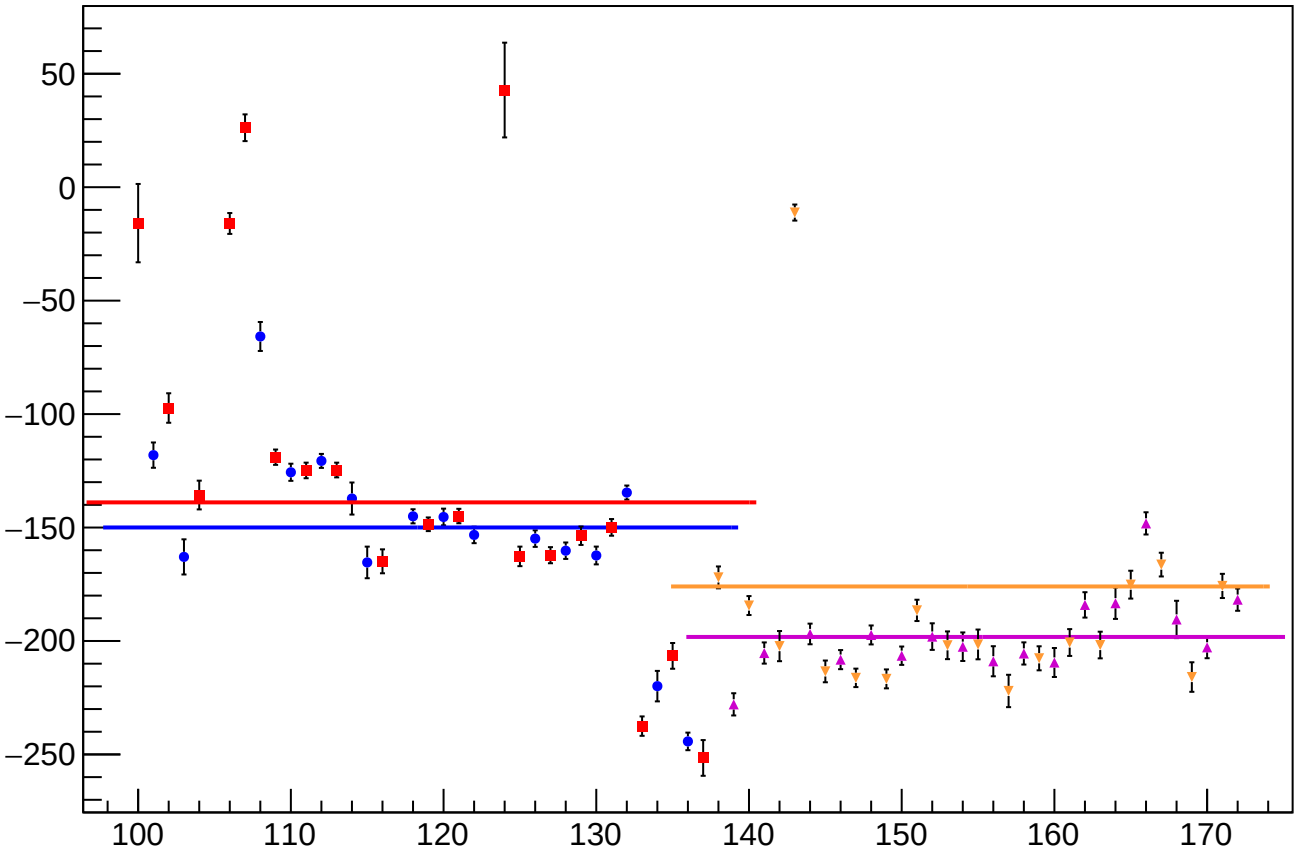
In: -116.605+/-0.041 χ^2/NDF:2247493.6/32

Out: -103.779+/-0.040 χ^2/NDF:2771967.0/36

All: -110.032+/-0.029 χ^2/NDF: 5069598.8/69


reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected
300
250
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
Right In: 154.096+/-0.869 χ²/NDF: 2281.1/15
Left Out: 223.309+/-1.220 χ²/NDF:4508.0/17
Right Out: 145.083+/-0.826 χ²/NDF: 2958.4/18
Left In: 253.590+/-1.271 χ²/NDF:304.6/16
Left: 237.828+/-0.880 χ²/NDF: 5107.9/34
Right: 149.361+/-0.599 χ²/NDF: 5296.0/34
In: 185.787+/-0.717 χ²/NDF:6759.9/32
Out: 169.668+/-0.684 χ²/NDF:10285.0/36
All: 177.343+/-0.495 χ²/NDF: 17309.3/69


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: -3.036+/-0.827 χ²/NDF:164.0/17
Right Out: 5.548+/-0.889 χ²/NDF: 181.1/18
Left In: -2.047+/-0.875 χ²/NDF:230.5/16
Left: -2.569+/-0.601 χ²/NDF: 395.2/34
Right: 5.888+/-0.629 χ²/NDF: 343.5/34
In: 2.020+/-0.624 χ²/NDF:436.6/32
Out: 0.945+/-0.606 χ²/NDF:395.0/36
All: 1.466+/-0.435 χ²/NDF: 833.1/69



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -175.971+/-1.200 χ^2/NDF:2630.9/17

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -198.218+/-1.242 χ^2/NDF:186.0/16

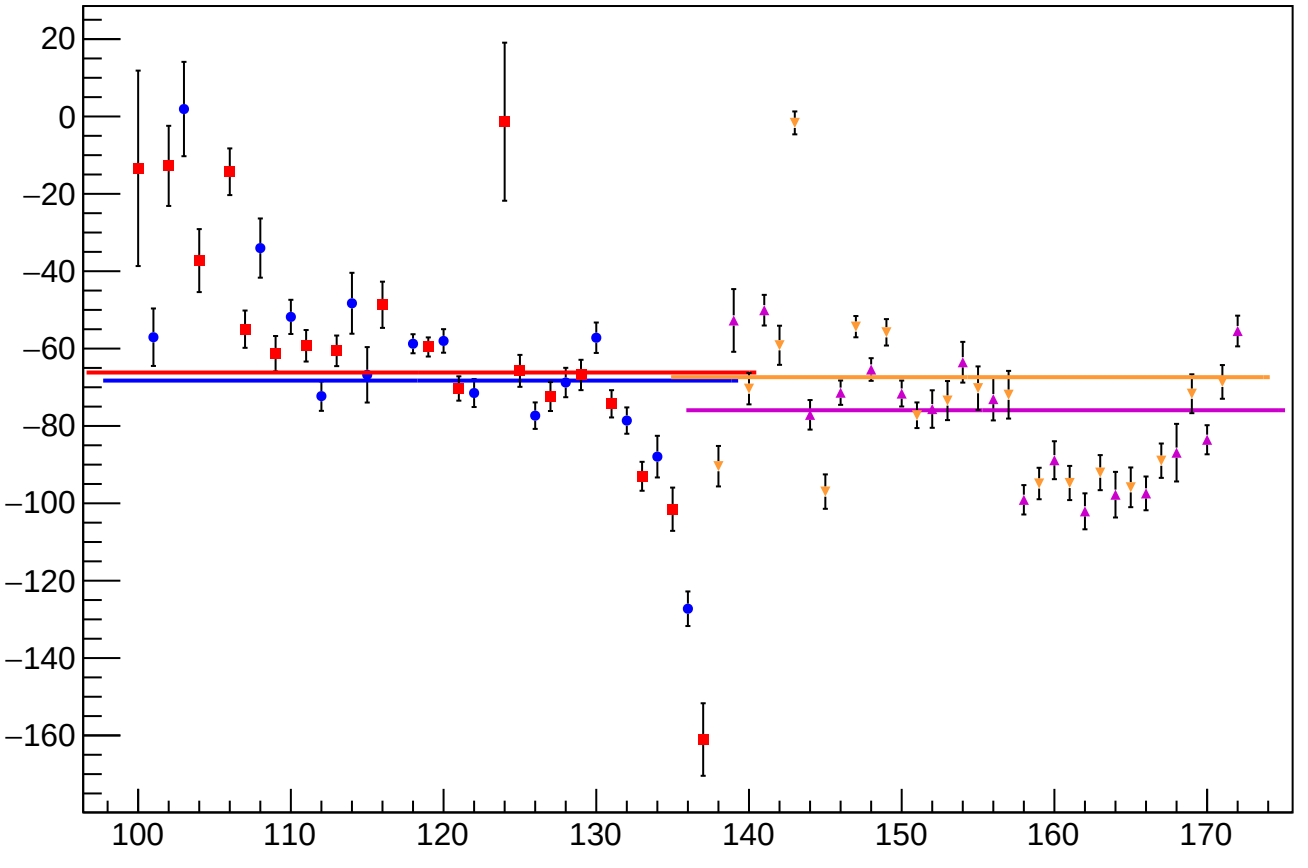
Left: -186.716+/-0.863 χ^2/NDF: 2982.9/34

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -169.535+/-0.791 χ^2/NDF:2182.8/32

Out: -153.979+/-0.765 χ^2/NDF:5947.6/36

All: -161.502+/-0.550 χ^2/NDF: 8330.2/69



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -67.388+/-0.977 χ^2/NDF:773.2/17

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: -71.466+/-0.706 χ^2/NDF: 1029.7/34

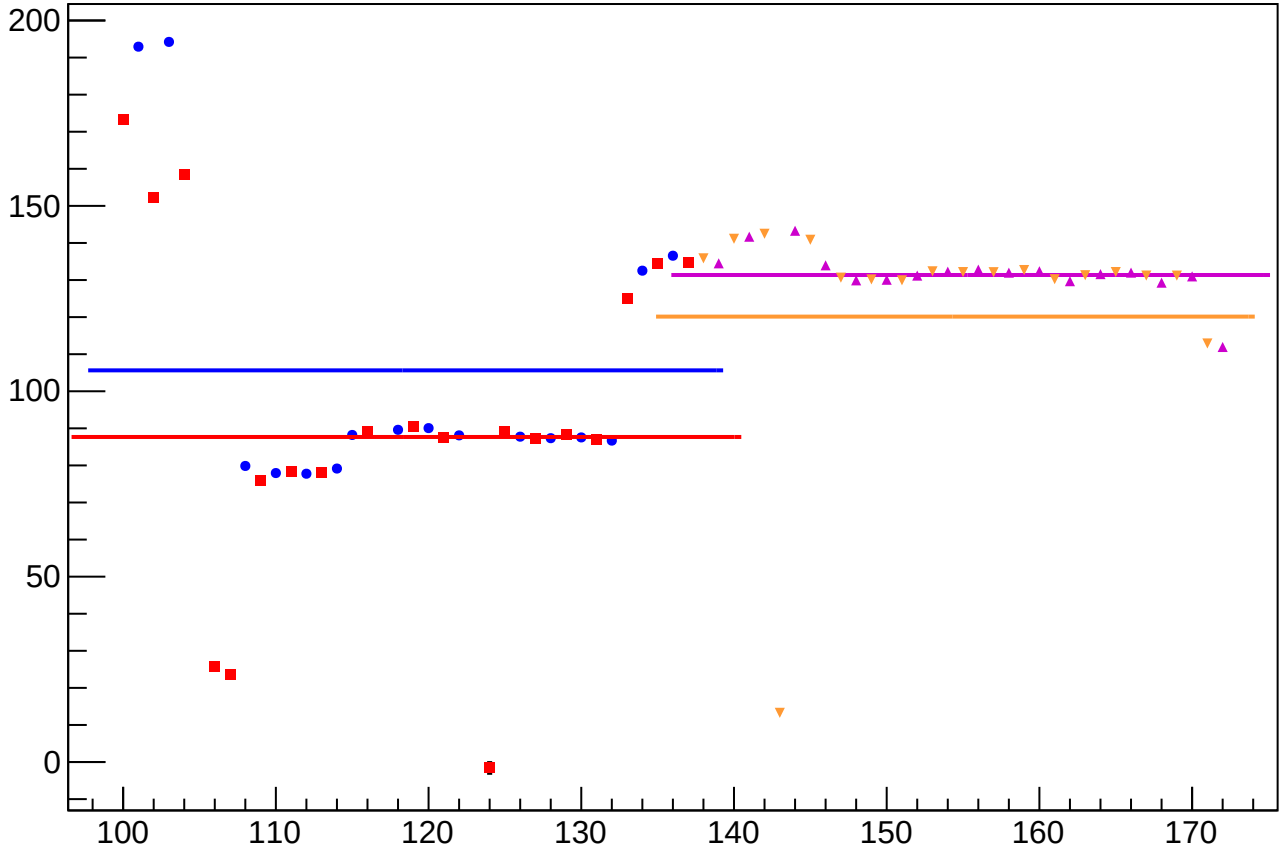
Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -72.143+/-0.727 χ^2/NDF:563.1/32

Out: -66.815+/-0.707 χ^2/NDF:1132.3/36

All: -69.405+/-0.507 χ^2/NDF: 1723.0/69

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 120.137+/-0.046 χ^2/NDF:604134.5/17

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 131.361+/-0.047 χ^2/NDF:20573.7/16

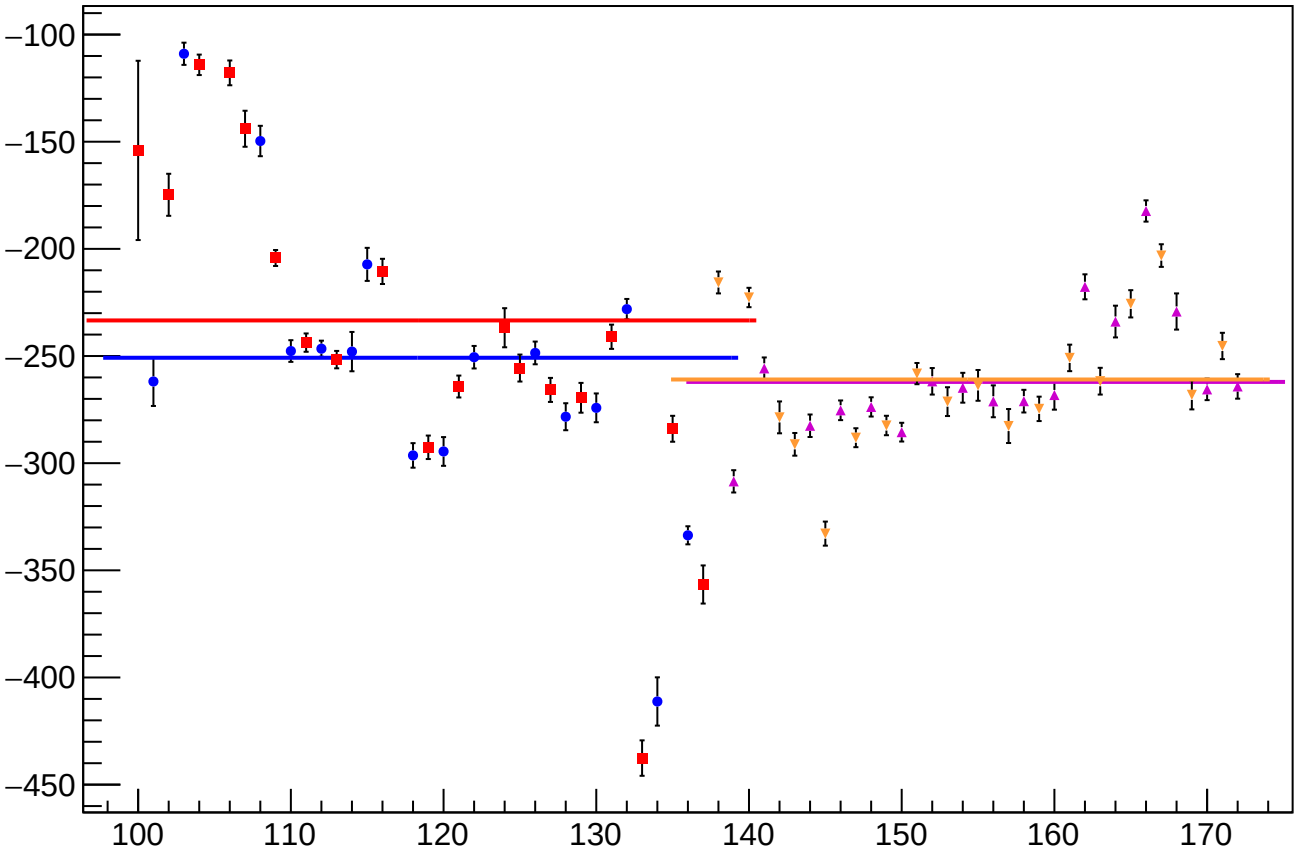
Left: 125.666+/-0.033 χ^2/NDF: 653742.3/34

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 123.517+/-0.039 χ^2/NDF:351838.0/32

Out: 109.371+/-0.038 χ^2/NDF:1142141.1/36

All: 116.201+/-0.027 χ^2/NDF: 1561628.3/69



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -260.952+/-1.334 χ^2/NDF:589.8/17

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -262.082+/-1.342 χ^2/NDF:491.5/16

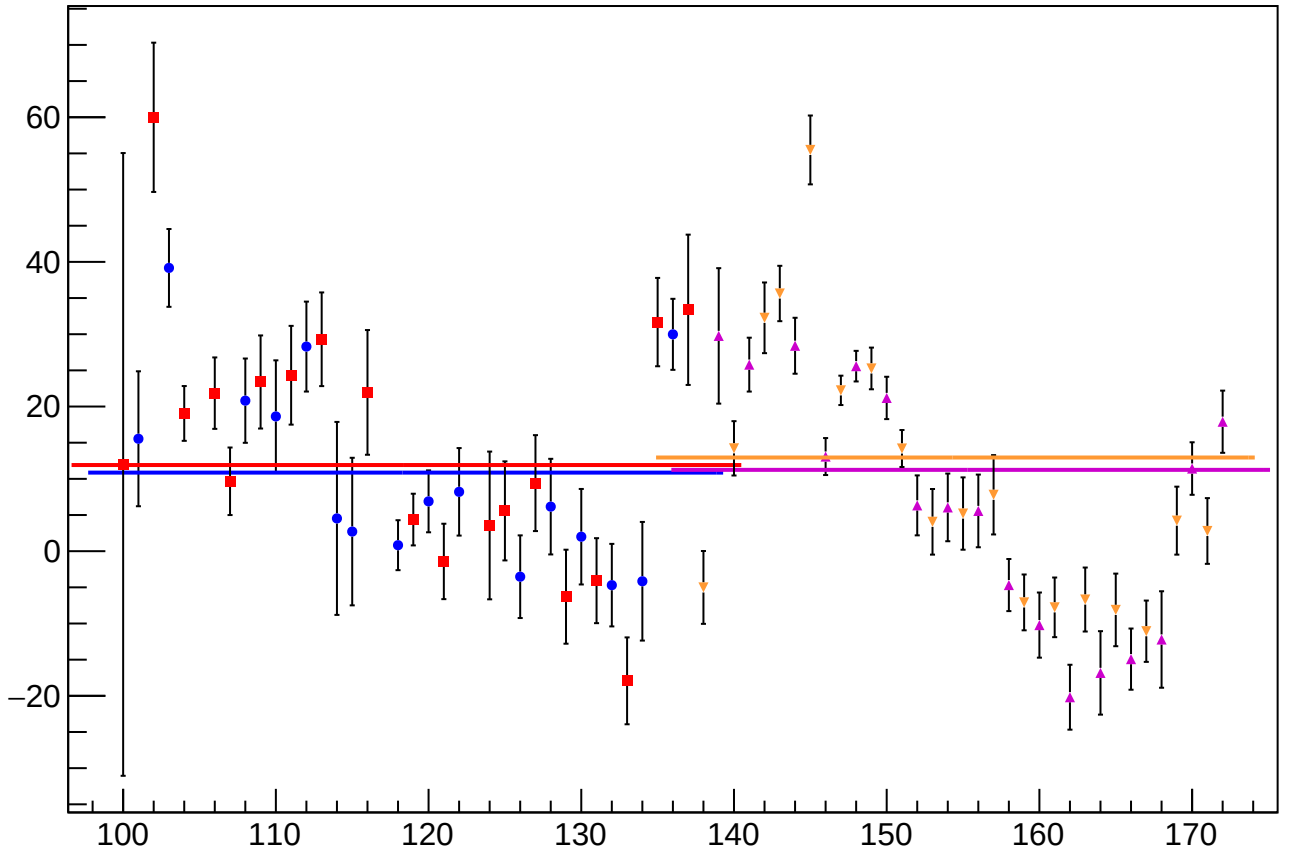
Left: -261.514+/-0.946 χ^2/NDF: 1081.7/34

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -256.838+/-0.981 χ^2/NDF:2260.1/32

Out: -247.169+/-0.943 χ^2/NDF:3181.8/36

All: -251.812+/-0.680 χ^2/NDF: 5492.3/69



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 12.952+/-0.888 χ^2/NDF:320.0/17

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 11.245+/-0.912 χ^2/NDF:268.8/16

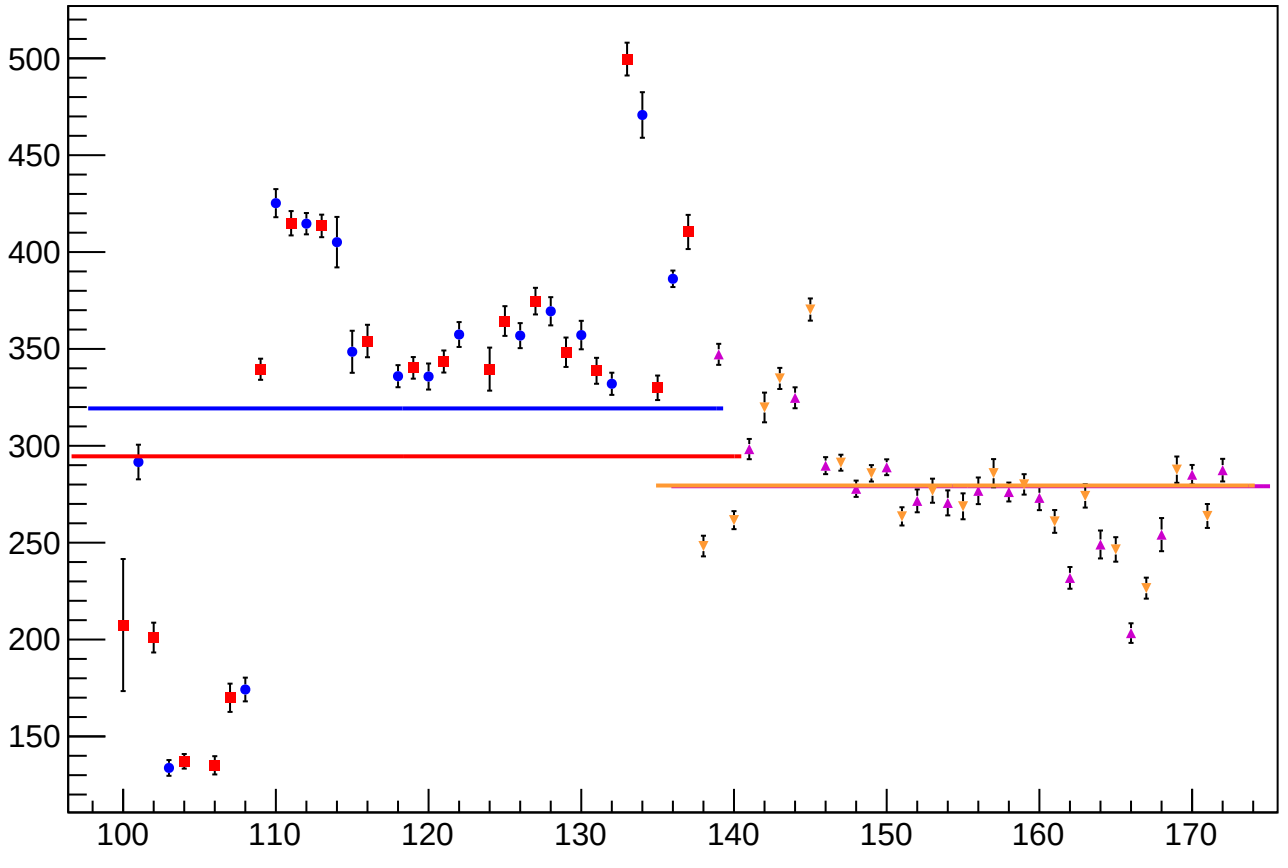
Left: 12.122+/-0.636 χ^2/NDF: 590.6/34

Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 11.139+/-0.775 χ^2/NDF:353.5/32

Out: 12.644+/-0.745 χ^2/NDF:432.3/36

All: 11.922+/-0.537 χ^2/NDF: 787.8/69



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 279.501+/-1.303 χ^2/NDF:598.4/17

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 279.123+/-1.305 χ^2/NDF:583.5/16

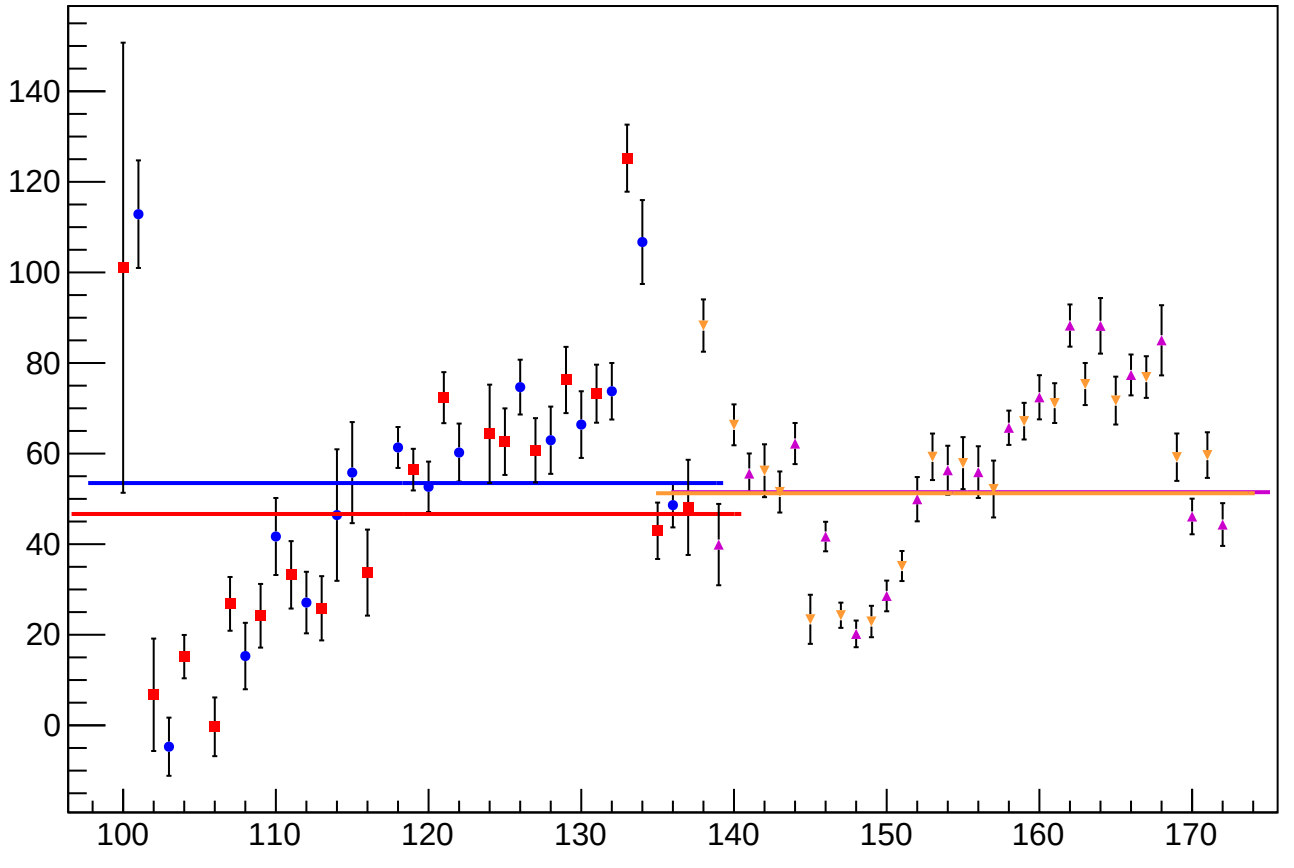
Left: 279.313+/-0.922 χ^2/NDF: 1181.9/34

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 295.344+/-1.008 χ^2/NDF:4758.9/32

Out: 286.070+/-0.978 χ^2/NDF:6159.9/36

All: 290.569+/-0.702 χ^2/NDF: 10962.4/69



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 51.244+/-1.051 χ^2/NDF:381.0/17

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 51.481+/-1.069 χ^2/NDF:364.0/16

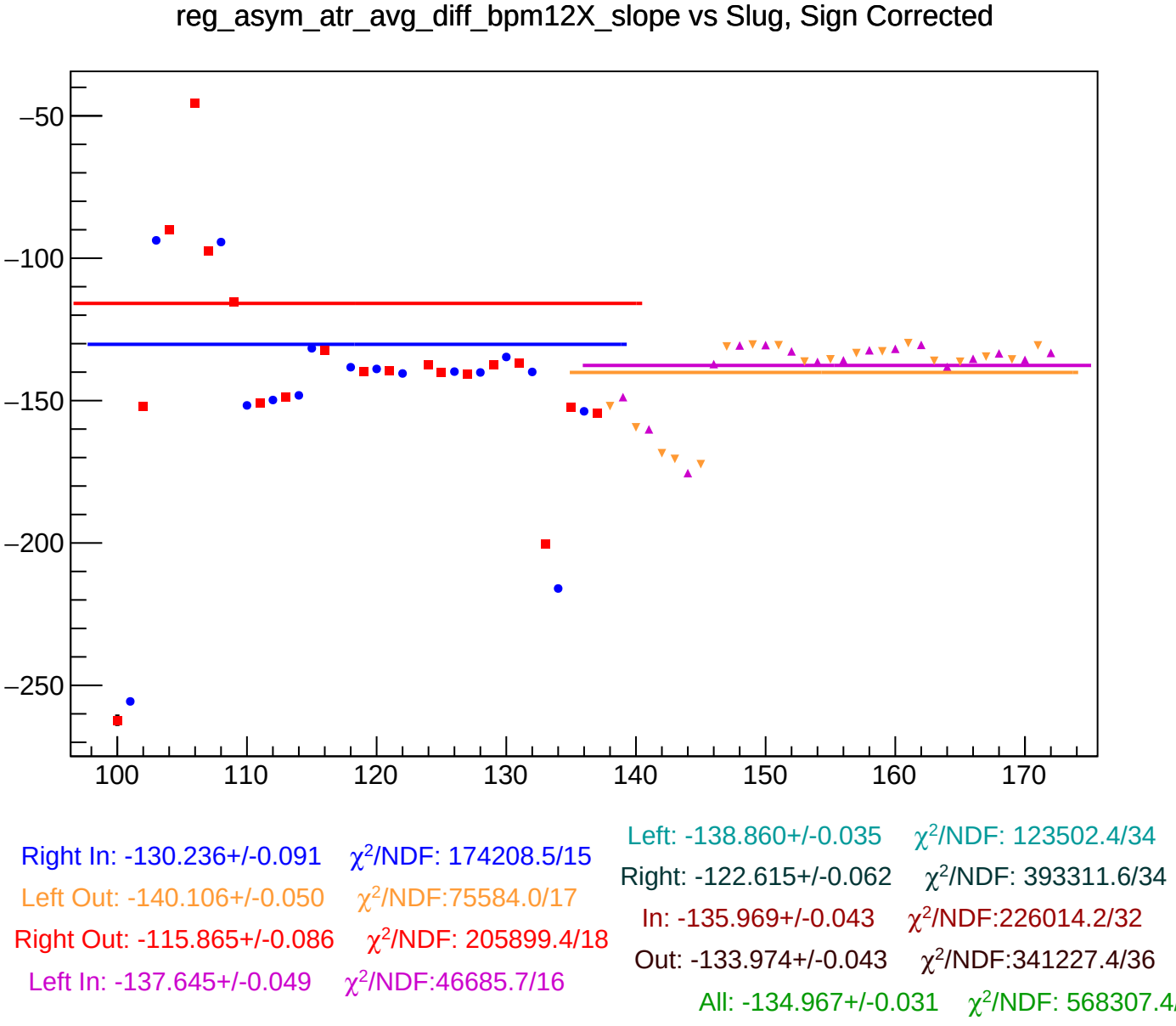
Left: 51.360+/-0.749 χ^2/NDF: 745.1/34

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

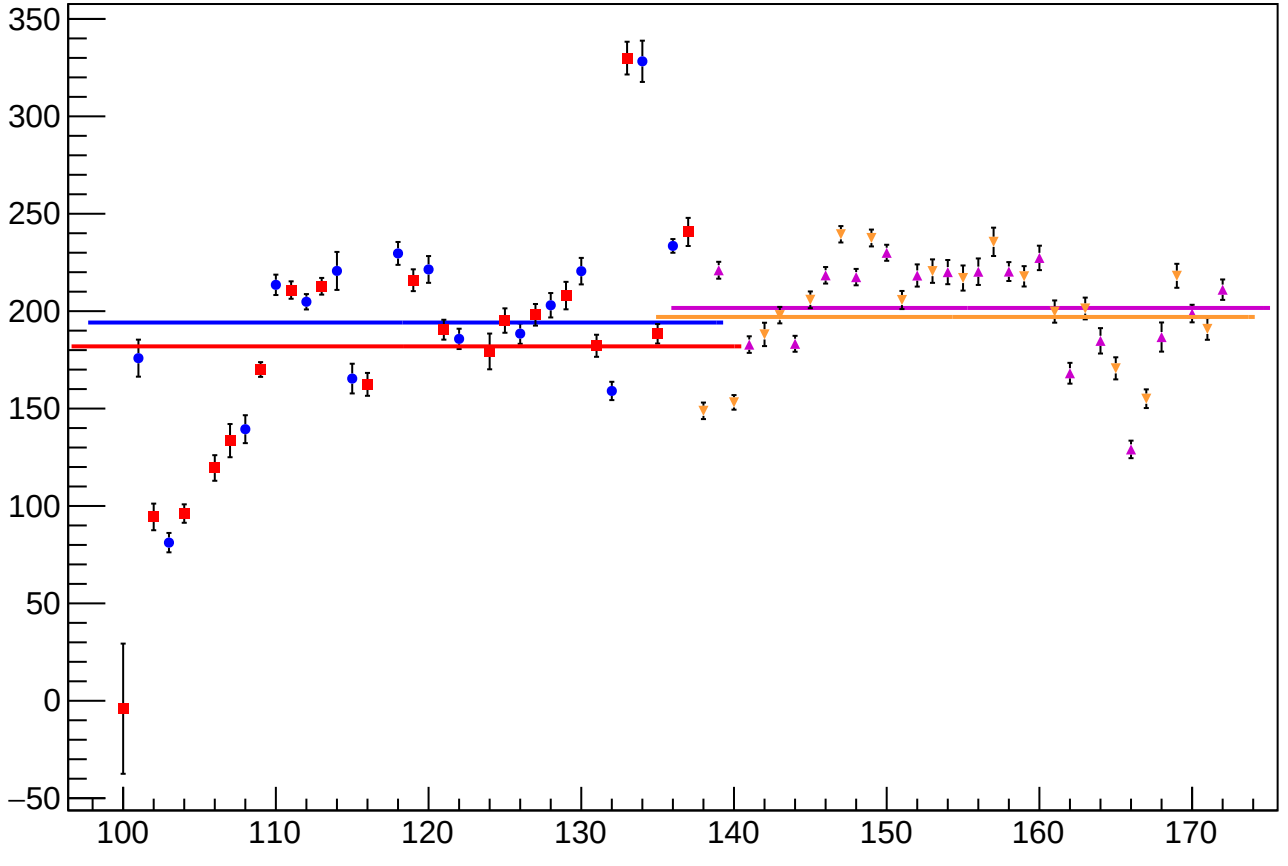
In: 52.052+/-0.905 χ^2/NDF:582.3/32

Out: 49.857+/-0.877 χ^2/NDF:712.4/36

All: 50.920+/-0.630 χ^2/NDF: 1297.7/69


reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
Right In: -130.236+/-0.091 χ²/NDF: 174208.5/15
Left Out: -140.106+/-0.050 χ²/NDF:75584.0/17
Right Out: -115.865+/-0.086 χ²/NDF: 205899.4/18
Left In: -137.645+/-0.049 χ²/NDF:46685.7/16
Left: -138.860+/-0.035 χ²/NDF: 123502.4/34
Right: -122.615+/-0.062 χ²/NDF: 393311.6/34
In: -135.969+/-0.043 χ²/NDF:226014.2/32
Out: -133.974+/-0.043 χ²/NDF:341227.4/36
All: -134.967+/-0.031 χ²/NDF: 568307.4/69

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: 197.030+/-1.175 χ^2/NDF:646.3/17

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 201.647+/-1.198 χ^2/NDF:507.8/16

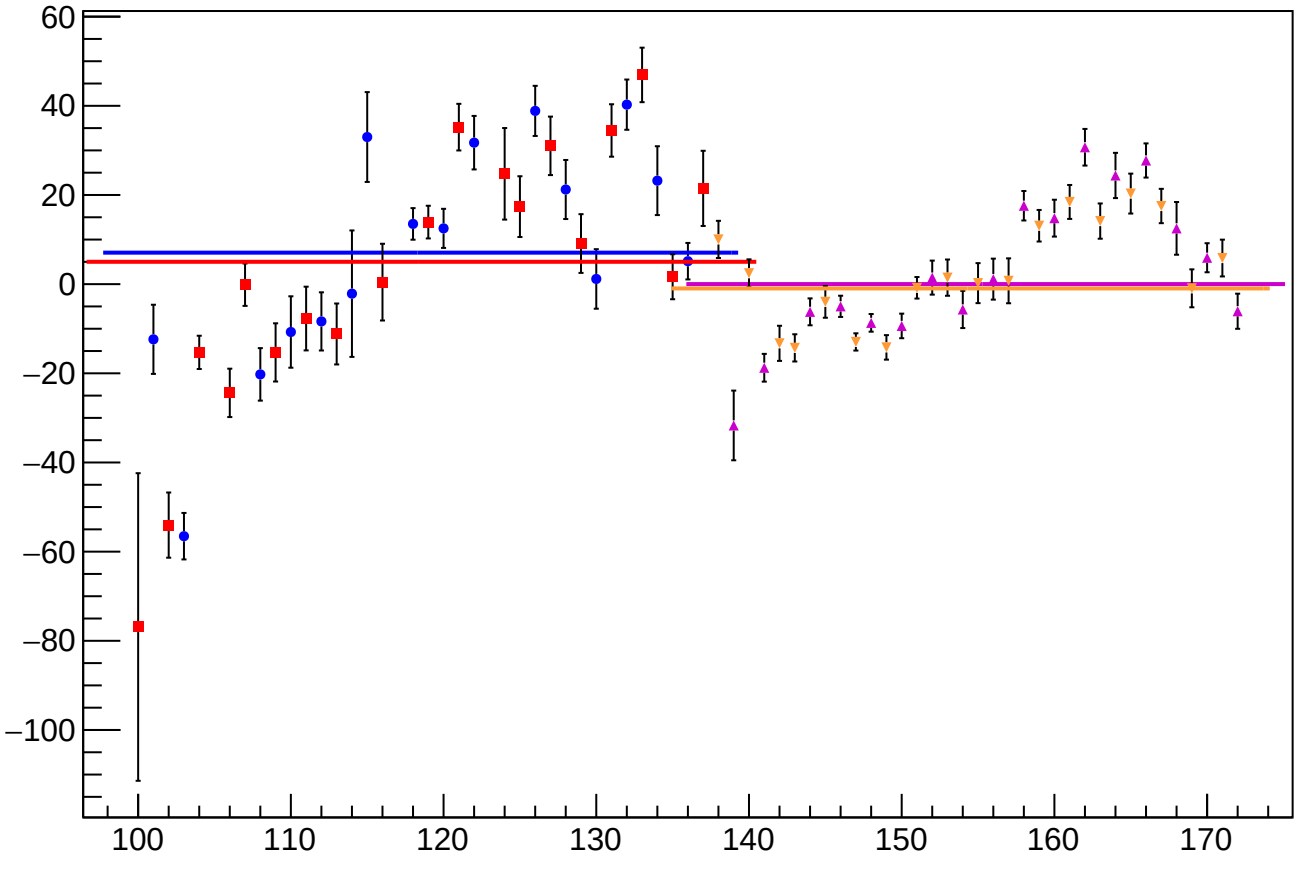
Left: 199.295+/-0.839 χ^2/NDF: 1161.6/34

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 198.502+/-0.912 χ^2/NDF:1559.4/32

Out: 190.363+/-0.878 χ^2/NDF:1924.0/36

All: 194.280+/-0.633 χ^2/NDF: 3524.7/69



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -0.963+/-0.797 χ^2/NDF:204.6/17

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: 0.015+/-0.825 χ^2/NDF:276.8/16

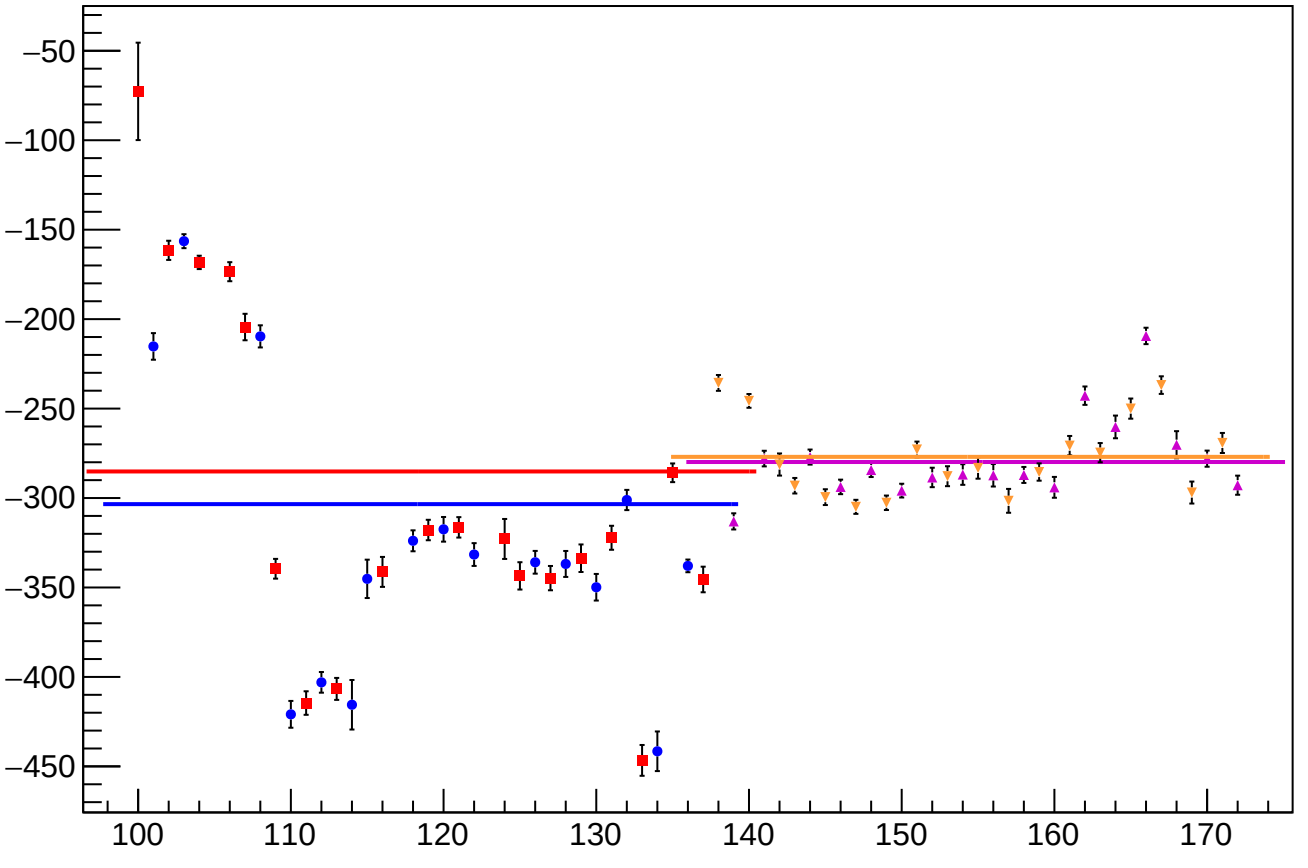
Left: -0.491+/-0.573 χ^2/NDF: 482.1/34

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: 1.753+/-0.716 χ^2/NDF:587.3/32

Out: 0.573+/-0.687 χ^2/NDF:507.6/36

All: 1.138+/-0.496 χ^2/NDF: 1096.4/69



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -276.980+/-1.154 χ^2/NDF:410.3/17

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -279.864+/-1.169 χ^2/NDF:404.6/16

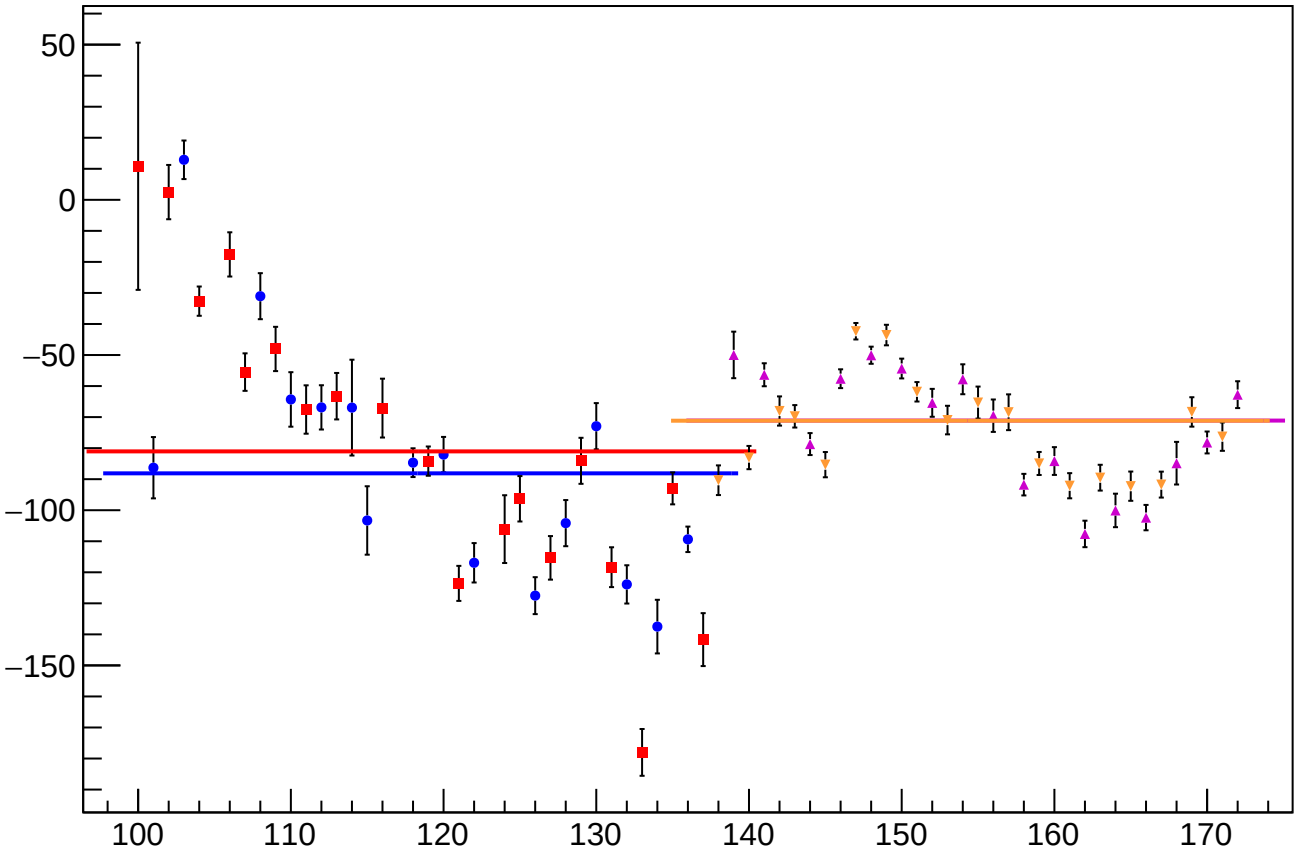
Left: -278.403+/-0.821 χ^2/NDF: 818.0/34

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -288.543+/-0.929 χ^2/NDF:3339.6/32

Out: -280.144+/-0.903 χ^2/NDF:4184.5/36

All: -284.225+/-0.648 χ^2/NDF: 7566.2/69



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -71.164+/-0.939 χ^2/NDF:342.7/17

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -71.119+/-0.964 χ^2/NDF:359.6/16

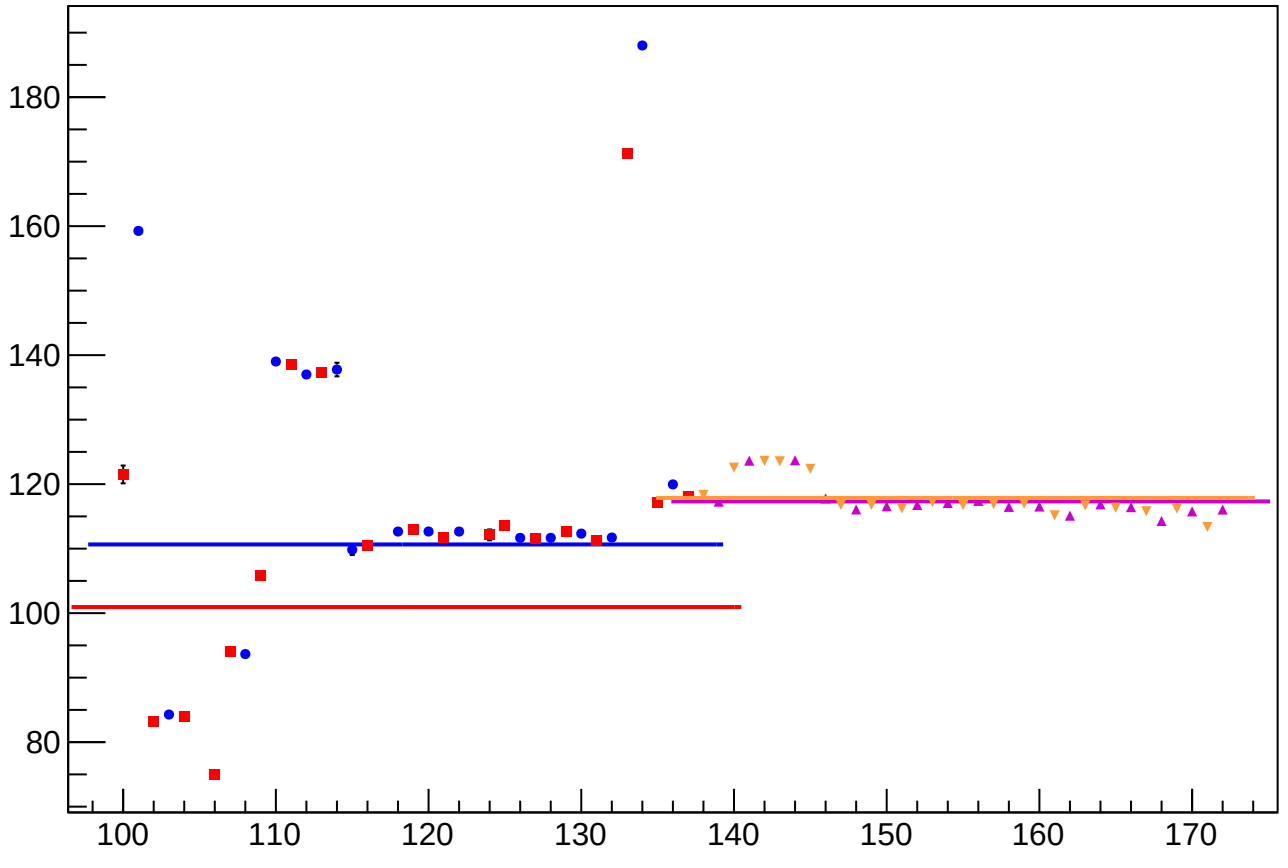
Left: -71.142+/-0.673 χ^2/NDF: 702.3/34

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -75.427+/-0.833 χ^2/NDF:950.3/32

Out: -73.772+/-0.806 χ^2/NDF:1049.4/36

All: -74.572+/-0.579 χ^2/NDF: 2001.8/69



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 117.860+/-0.044 χ^2/NDF:4214.9/17

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 117.321+/-0.044 χ^2/NDF:2986.2/16

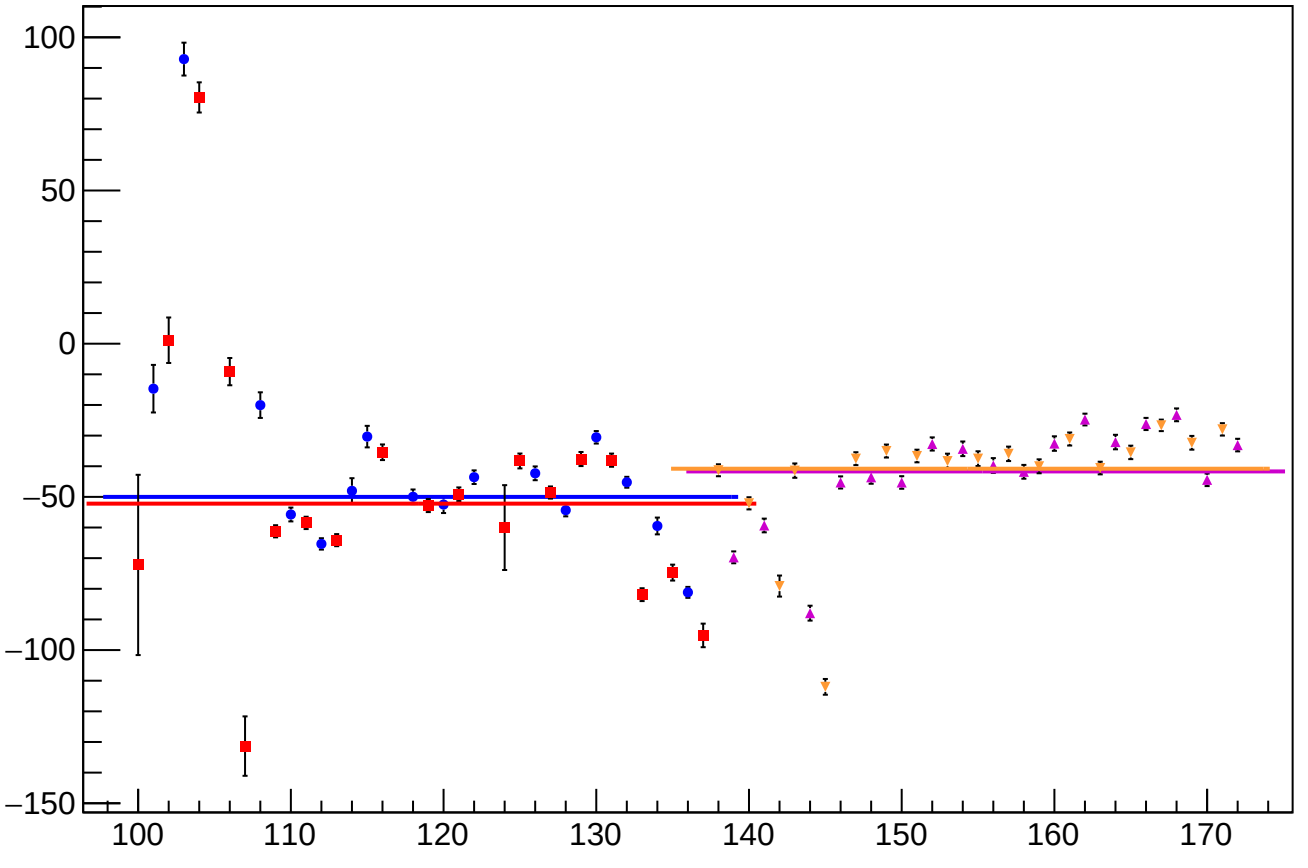
Left: 117.590+/-0.031 χ^2/NDF: 7275.3/34

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.923+/-0.039 χ^2/NDF:91282.7/32

Out: 113.965+/-0.039 χ^2/NDF:99788.1/36

All: 114.933+/-0.028 χ^2/NDF: 192327.3/69



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -40.808+/-0.519 χ^2/NDF:1081.2/17

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -41.690+/-0.520 χ^2/NDF:934.1/16

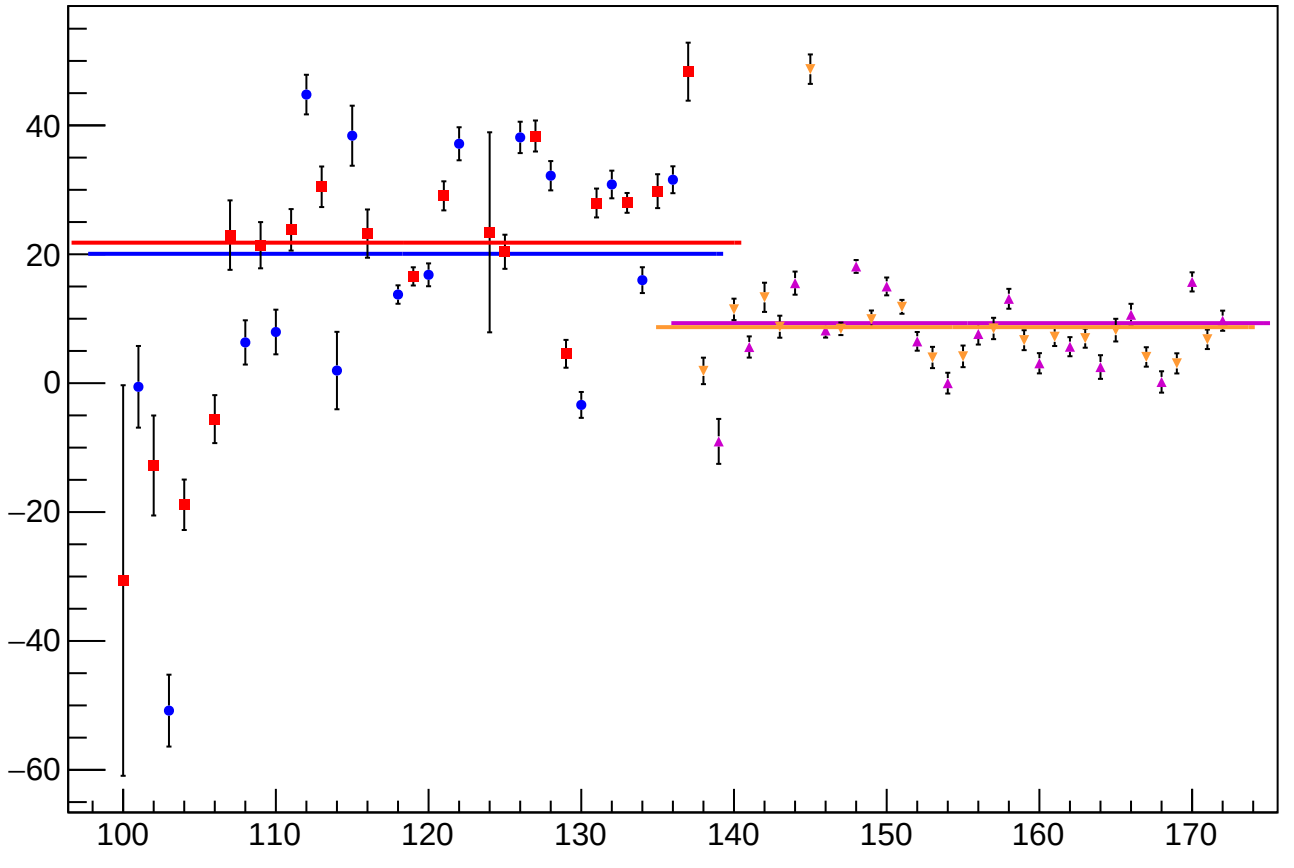
Left: -41.247+/-0.367 χ^2/NDF: 2016.8/34

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -45.194+/-0.396 χ^2/NDF:2369.1/32

Out: -45.639+/-0.394 χ^2/NDF:2856.0/36

All: -45.418+/-0.279 χ^2/NDF: 5225.8/69



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 8.693+/-0.357 χ^2/NDF:377.7/17

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: 8.996+/-0.255 χ^2/NDF: 648.9/34

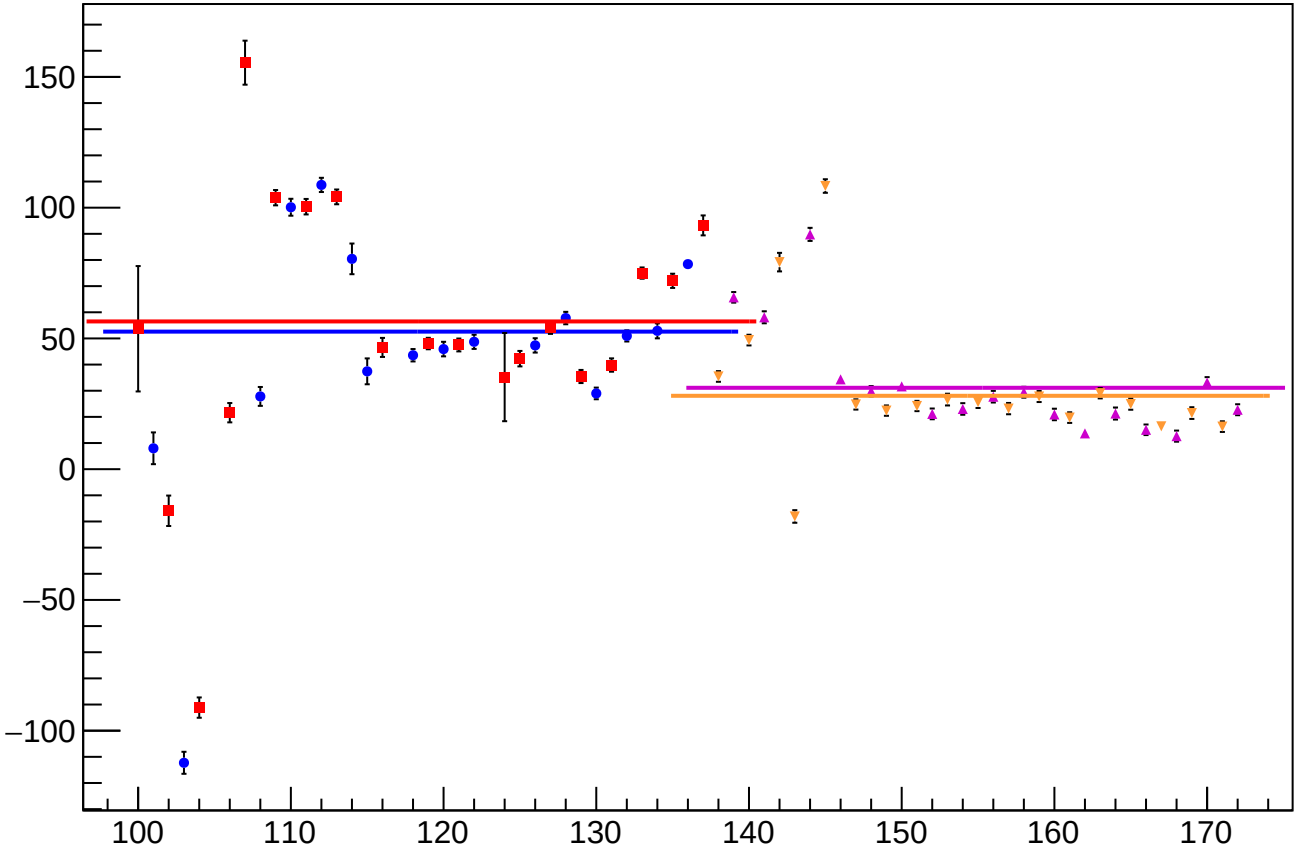
Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 12.146+/-0.314 χ^2/NDF:1133.7/32

Out: 11.938+/-0.309 χ^2/NDF:1108.1/36

All: 12.040+/-0.220 χ^2/NDF: 2242.0/69

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: 28.062+/-0.506 χ^2/NDF:1770.6/17

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 31.122+/-0.507 χ^2/NDF:1306.9/16

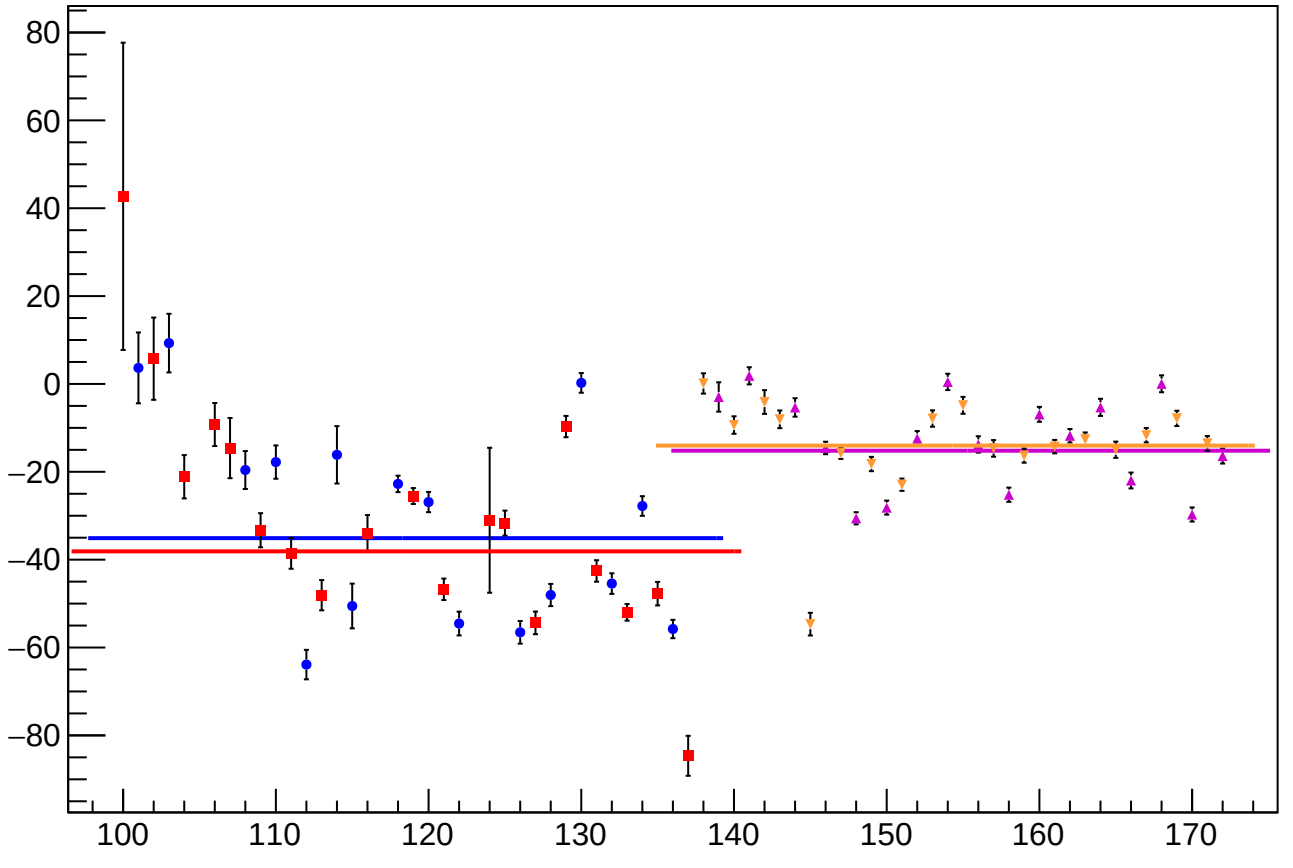
Left: 29.591+/-0.358 χ^2/NDF: 3095.8/34

Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 38.565+/-0.410 χ^2/NDF:4588.3/32

Out: 37.735+/-0.411 χ^2/NDF:5808.4/36

All: 38.152+/-0.290 χ^2/NDF: 10398.8/69



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.034+/-0.414 χ^2/NDF:413.0/17

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -15.199+/-0.422 χ^2/NDF:626.1/16

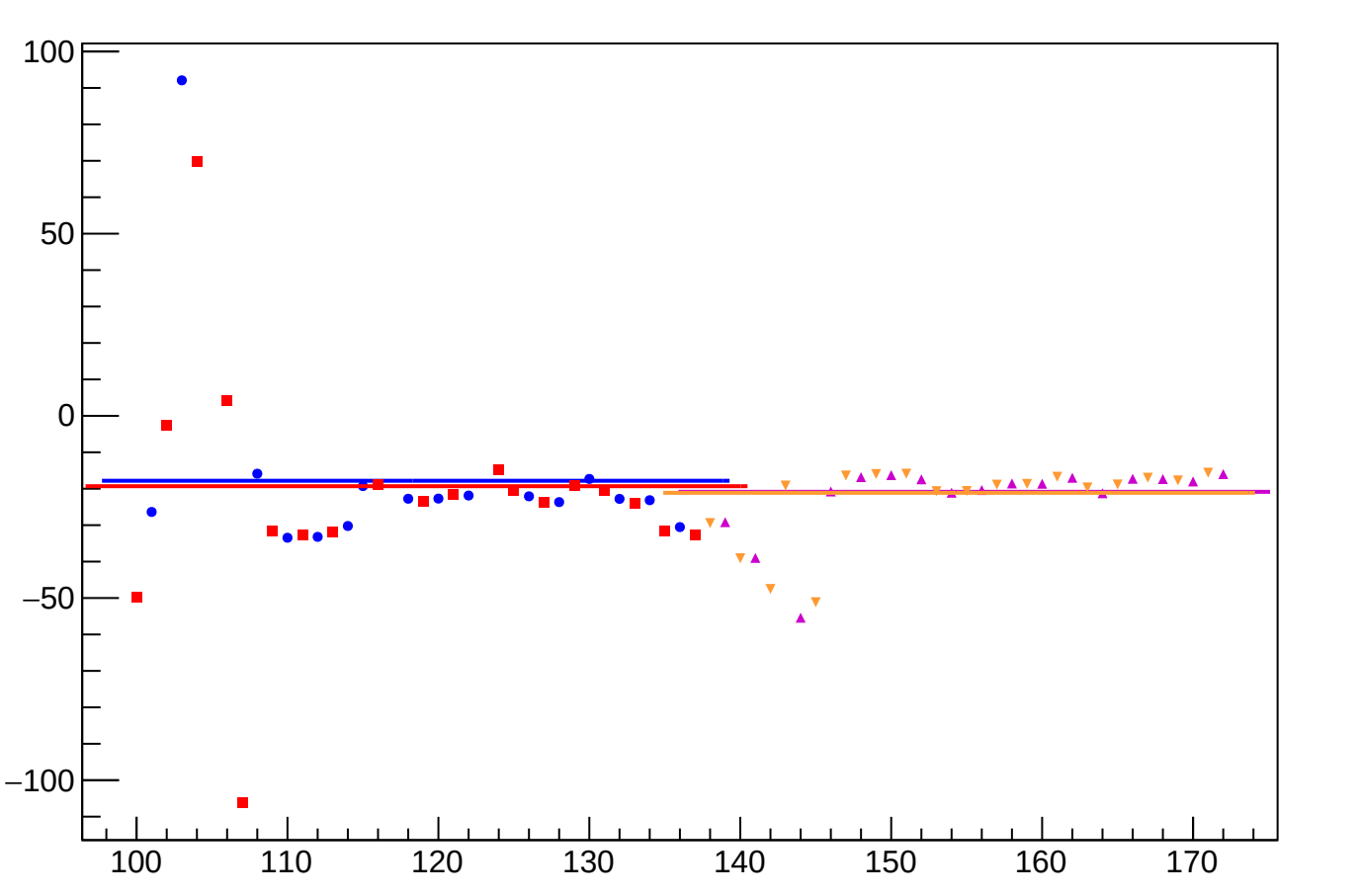
Left: -14.606+/-0.295 χ^2/NDF: 1043.0/34

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -20.499+/-0.361 χ^2/NDF:1992.4/32

Out: -20.094+/-0.358 χ^2/NDF:1778.7/36

All: -20.295+/-0.254 χ^2/NDF: 3771.8/69



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -21.121+/-0.019 χ^2/NDF:200067.8/17

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -20.850+/-0.019 χ^2/NDF:169133.2/16

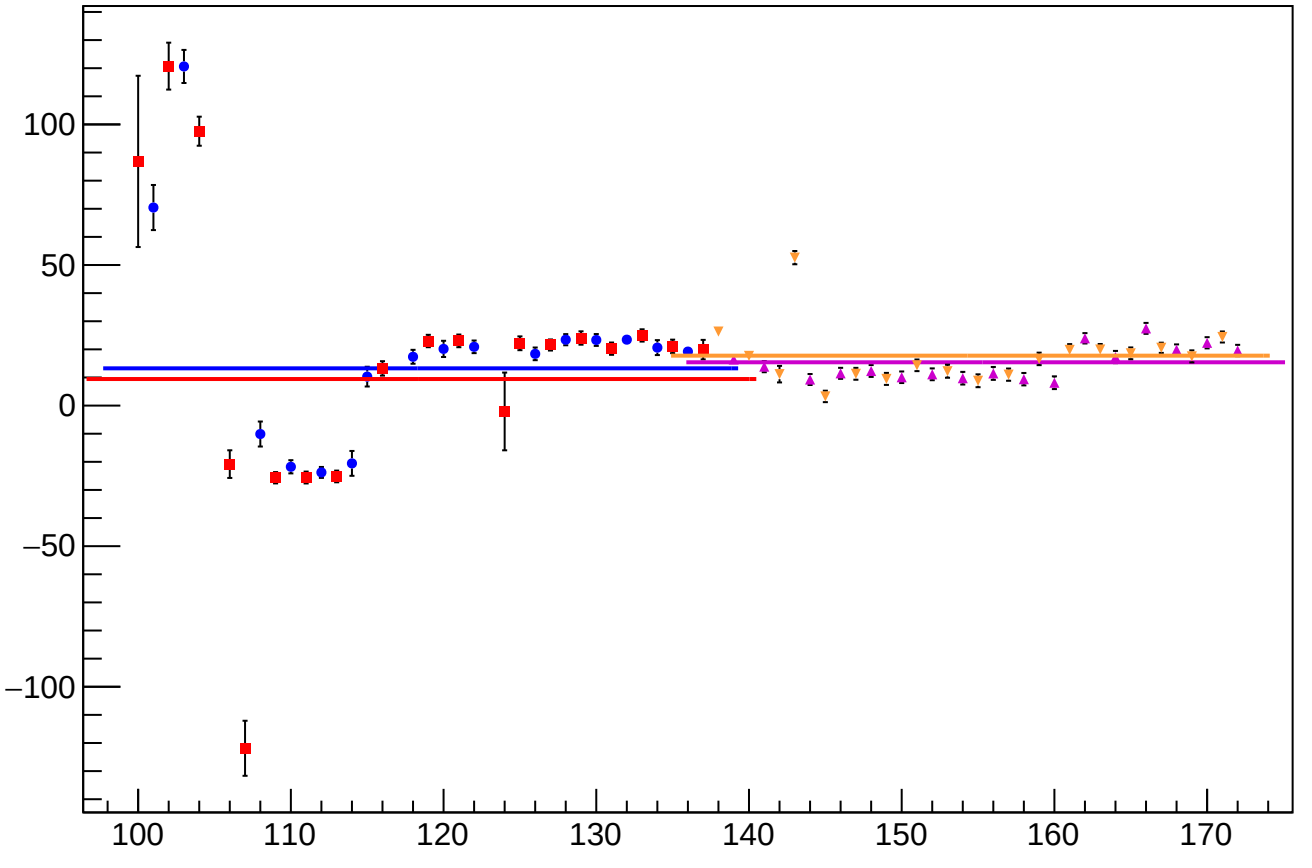
Left: -20.985+/-0.013 χ^2/NDF: 369305.4/34

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -20.371+/-0.017 χ^2/NDF:599382.4/32

Out: -20.862+/-0.017 χ^2/NDF:546017.0/36

All: -20.613+/-0.012 χ^2/NDF: 1145801.8/69



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 17.759+/-0.491 χ^2/NDF:371.0/17

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 15.404+/-0.492 χ^2/NDF:137.3/16

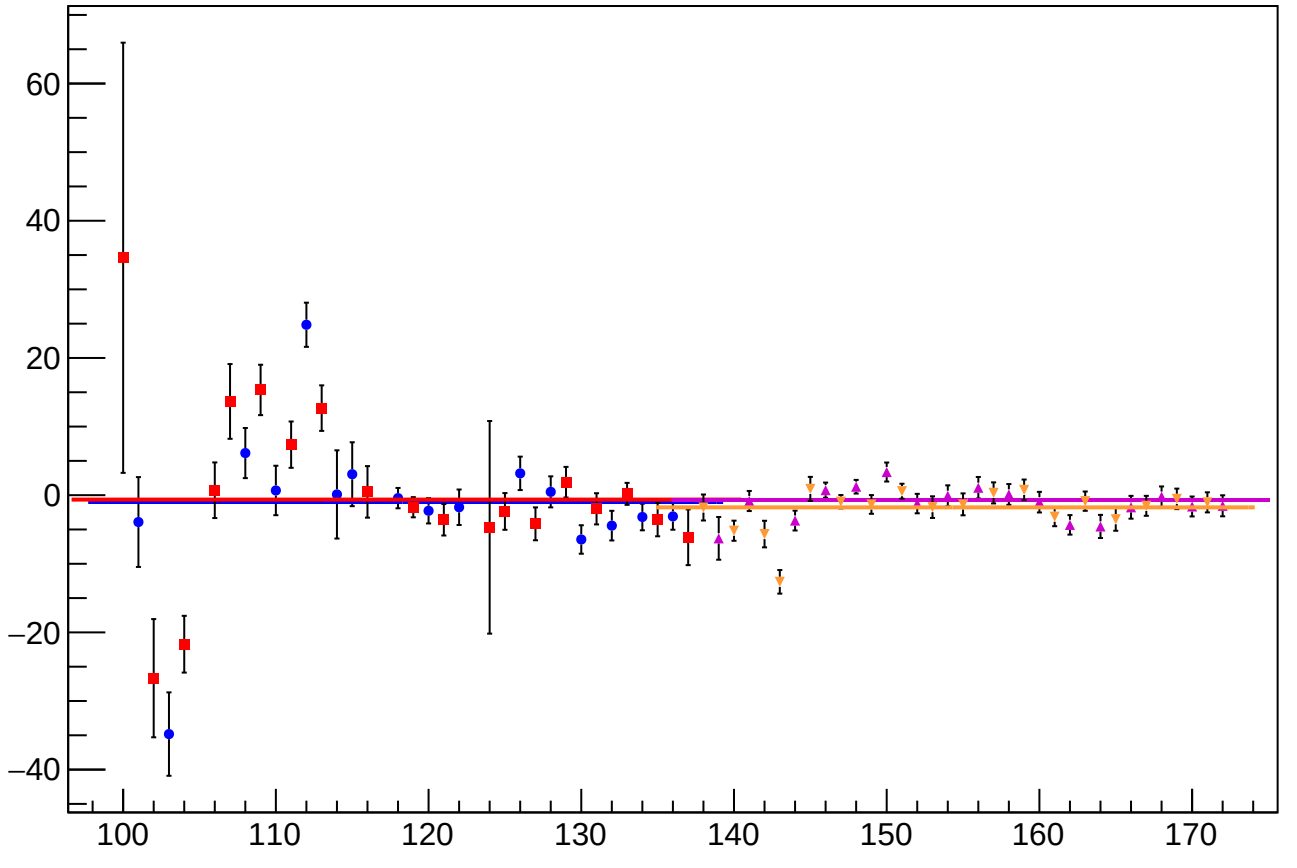
Left: 16.583+/-0.348 χ^2/NDF: 519.8/34

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 14.564+/-0.384 χ^2/NDF:1327.3/32

Out: 14.524+/-0.384 χ^2/NDF:2319.0/36

All: 14.544+/-0.271 χ^2/NDF: 3646.3/69



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -1.776+/-0.342 χ^2/NDF:65.4/17

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: -0.702+/-0.350 χ^2/NDF:36.6/16

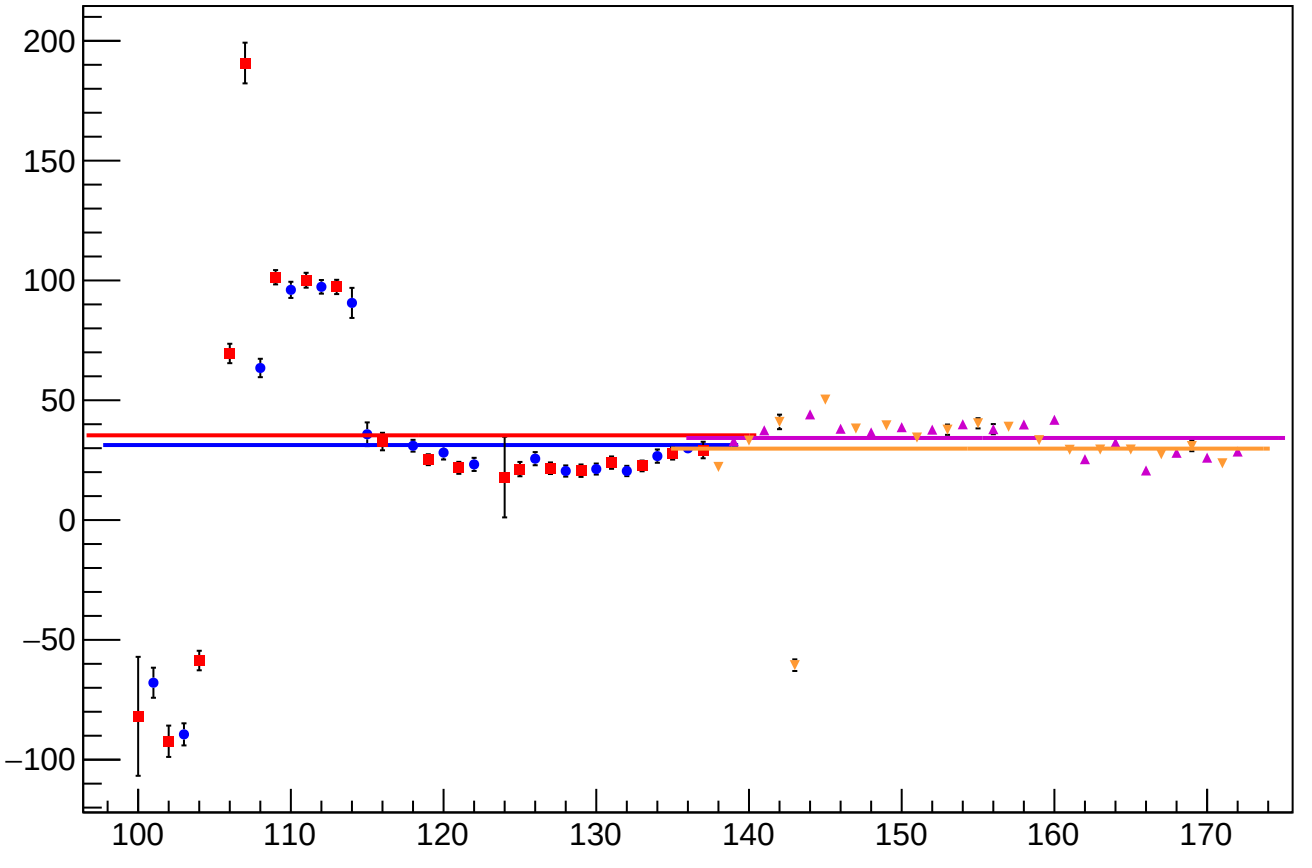
Left: -1.251+/-0.245 χ^2/NDF: 106.8/34

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -0.773+/-0.305 χ^2/NDF:153.1/32

Out: -1.522+/-0.301 χ^2/NDF:162.1/36

All: -1.151+/-0.214 χ^2/NDF: 318.2/69



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 29.819+/-0.481 χ^2/NDF:1638.5/17

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 34.260+/-0.480 χ^2/NDF:179.8/16

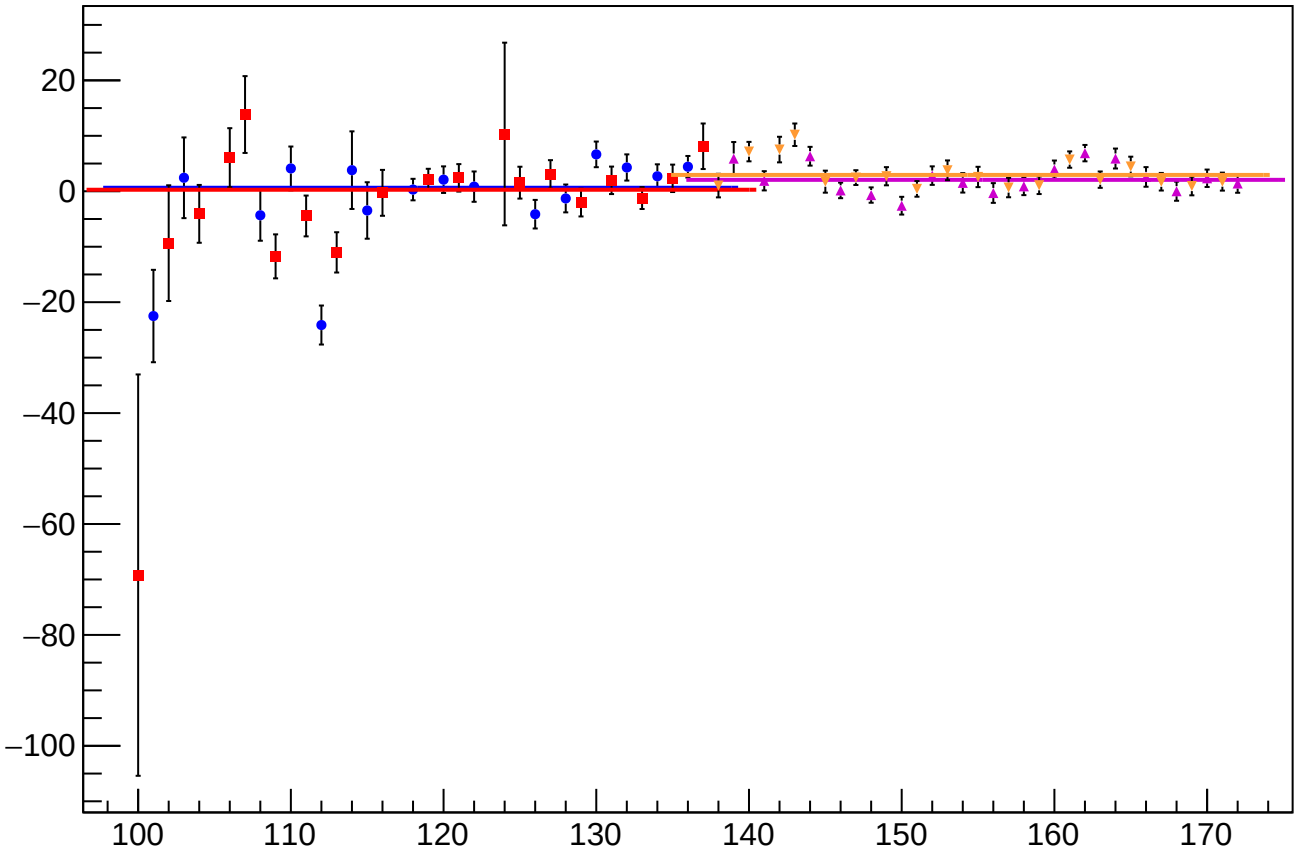
Left: 32.041+/-0.340 χ^2/NDF: 1861.0/34

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 33.316+/-0.396 χ^2/NDF:2277.7/32

Out: 31.538+/-0.399 χ^2/NDF:4577.5/36

All: 32.434+/-0.281 χ^2/NDF: 6865.2/69



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 2.947+/-0.396 χ^2/NDF:37.5/17

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 2.060+/-0.403 χ^2/NDF:43.1/16

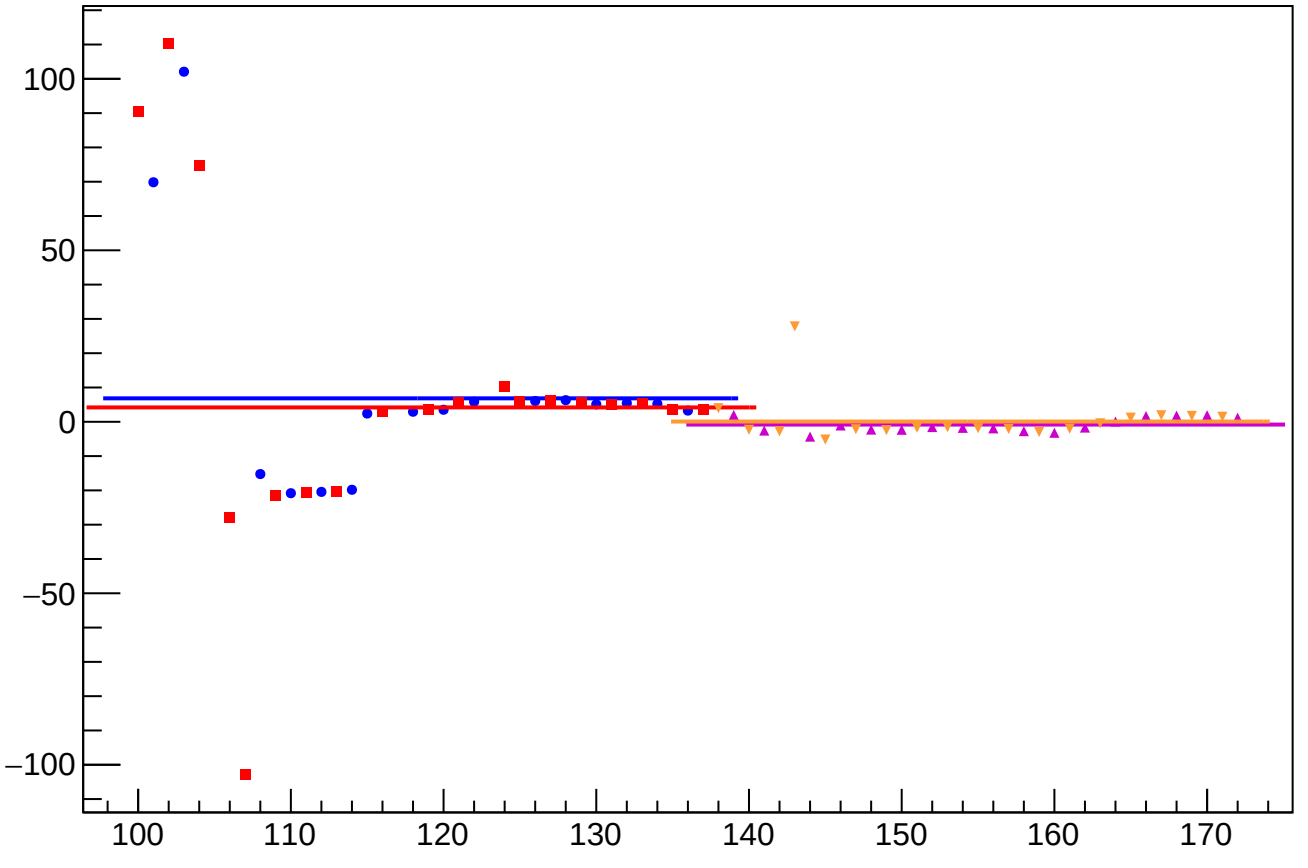
Left: 2.511+/-0.282 χ^2/NDF: 83.0/34

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 1.709+/-0.350 χ^2/NDF:124.6/32

Out: 2.335+/-0.348 χ^2/NDF:88.4/36

All: 2.024+/-0.246 χ^2/NDF: 214.6/69



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 0.073+/-0.018 χ^2/NDF:93251.9/17

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -0.806+/-0.018 χ^2/NDF:12133.8/16

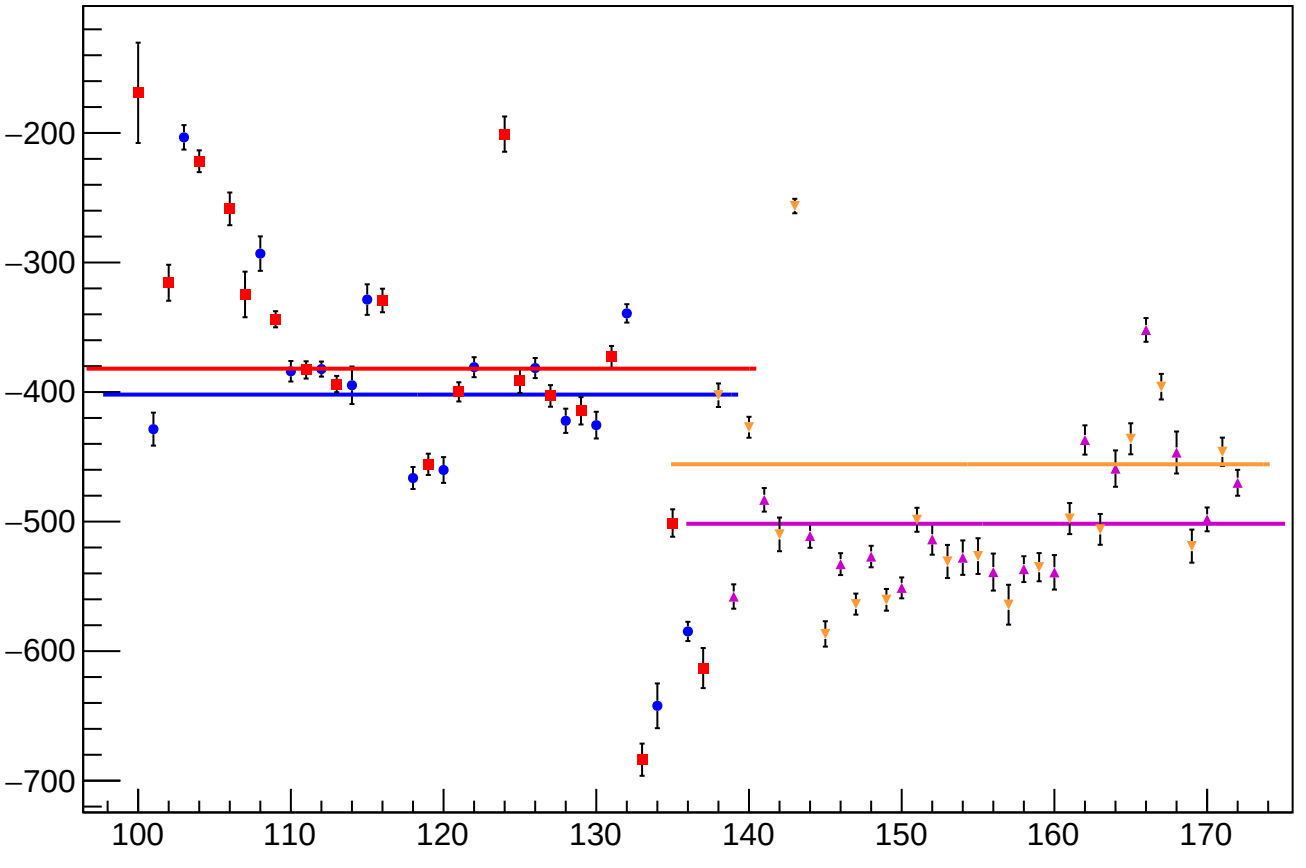
Left: -0.370+/-0.013 χ^2/NDF: 106601.0/34

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 0.315+/-0.016 χ^2/NDF:360249.8/32

Out: 0.608+/-0.017 χ^2/NDF:534680.2/36

All: 0.459+/-0.012 χ^2/NDF: 895086.7/69



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -455.764+/-2.315 χ^2/NDF:2128.9/17

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -501.672+/-2.477 χ^2/NDF:463.7/16

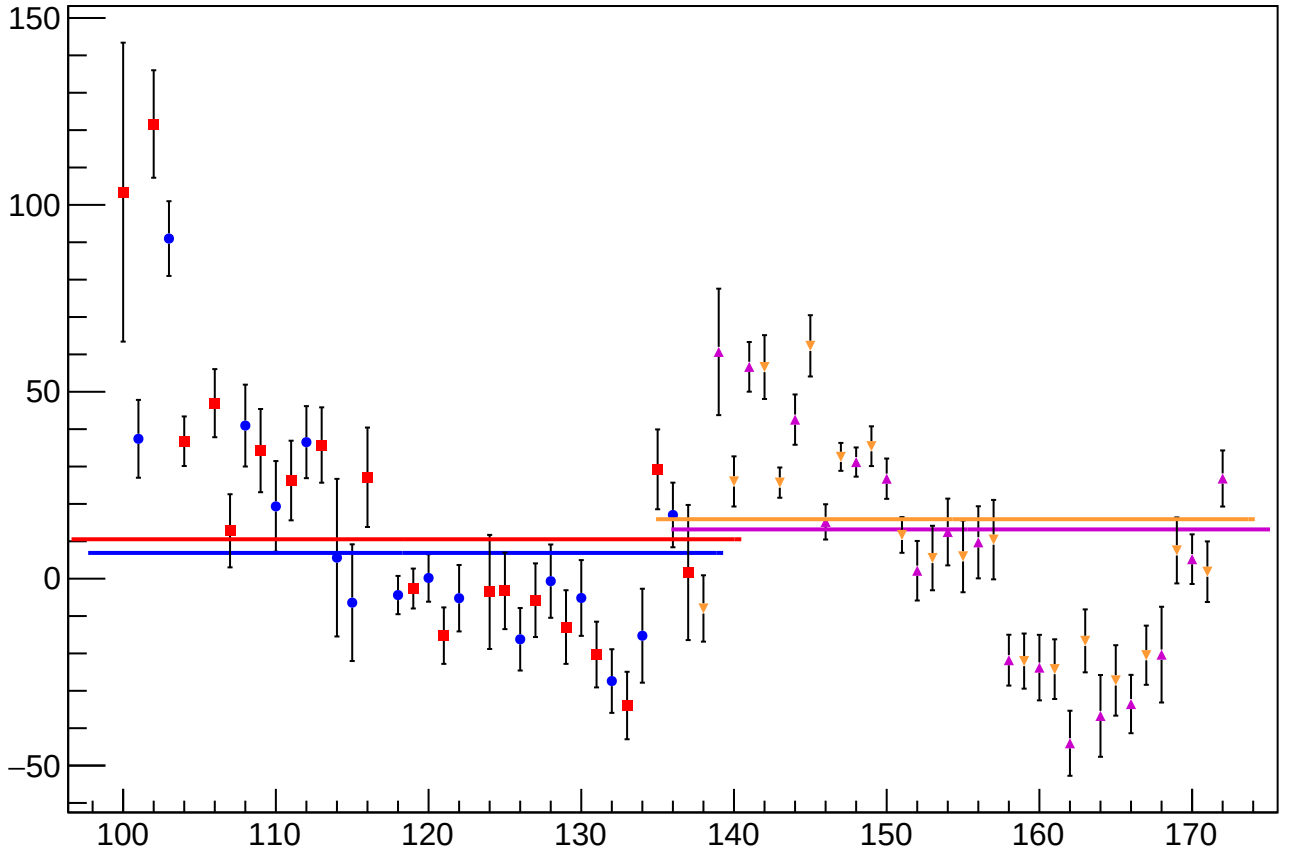
Left: -477.170+/-1.691 χ^2/NDF: 2776.0/34

Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -446.741+/-1.660 χ^2/NDF:2920.0/32

Out: -415.695+/-1.565 χ^2/NDF:4498.3/36

All: -430.309+/-1.139 χ^2/NDF: 7603.5/69



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 15.910+/-1.558 χ^2/NDF:219.7/17

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: 14.653+/-1.145 χ^2/NDF: 476.5/34

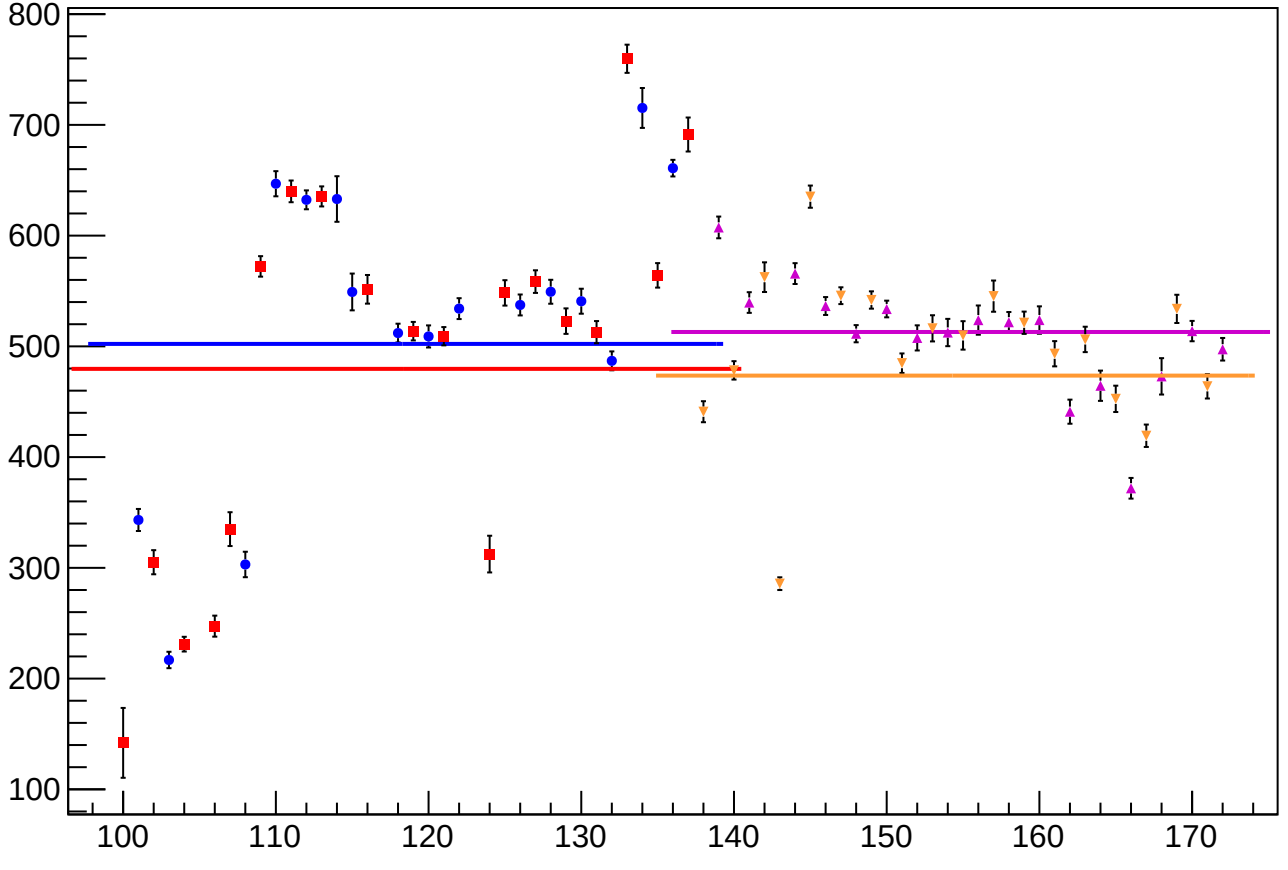
Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 10.933+/-1.353 χ^2/NDF:398.7/32

Out: 14.115+/-1.271 χ^2/NDF:403.8/36

All: 12.623+/-0.926 χ^2/NDF: 805.4/69

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: 473.597+/-2.278 χ^2/NDF:1689.9/17

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 512.986+/-2.414 χ^2/NDF:443.8/16

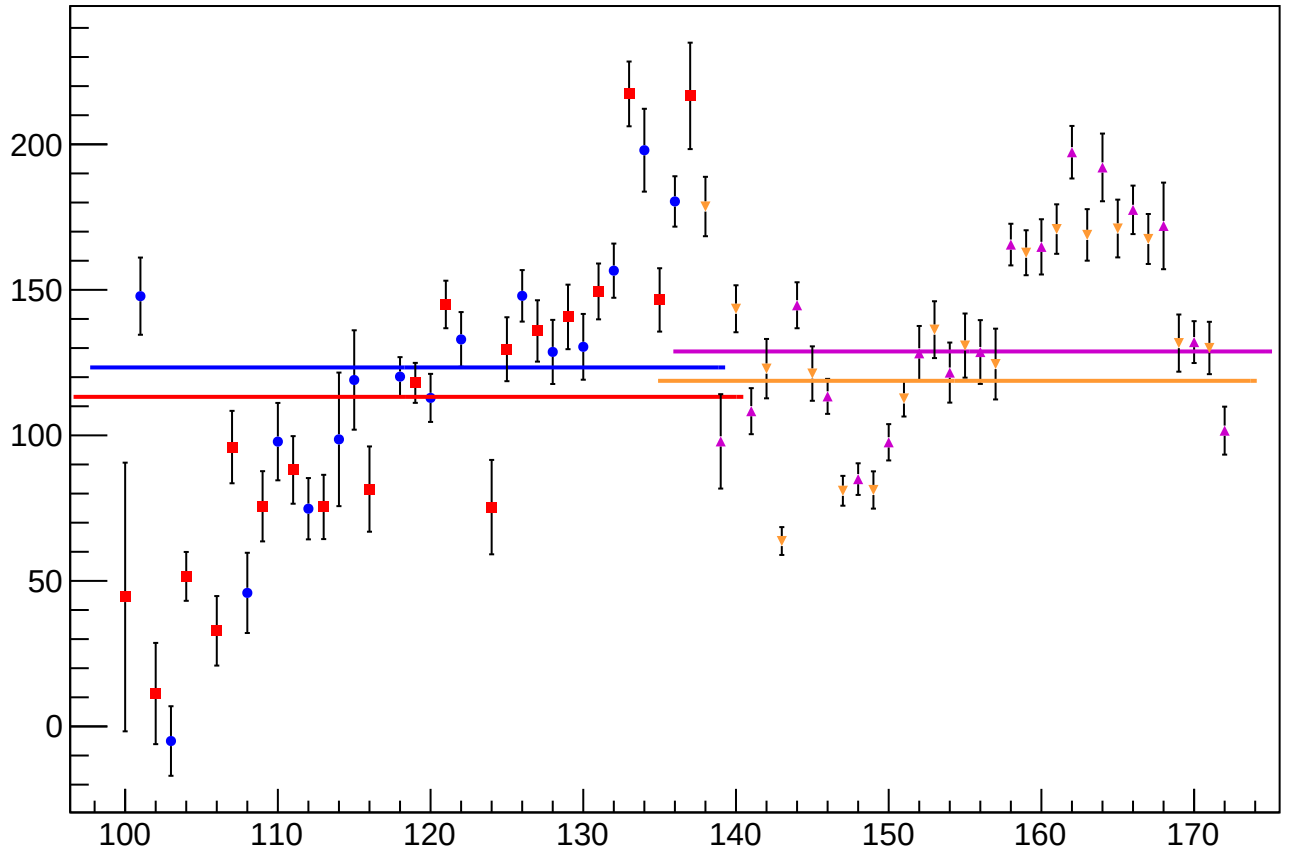
Left: 492.149+/-1.657 χ^2/NDF: 2274.5/34

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 507.773+/-1.734 χ^2/NDF:3588.6/32

Out: 476.480+/-1.652 χ^2/NDF:5831.8/36

All: 491.367+/-1.196 χ^2/NDF: 9591.1/69



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 118.743+/-1.846 χ^2/NDF:436.0/17

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 128.832+/-1.979 χ^2/NDF:293.0/16

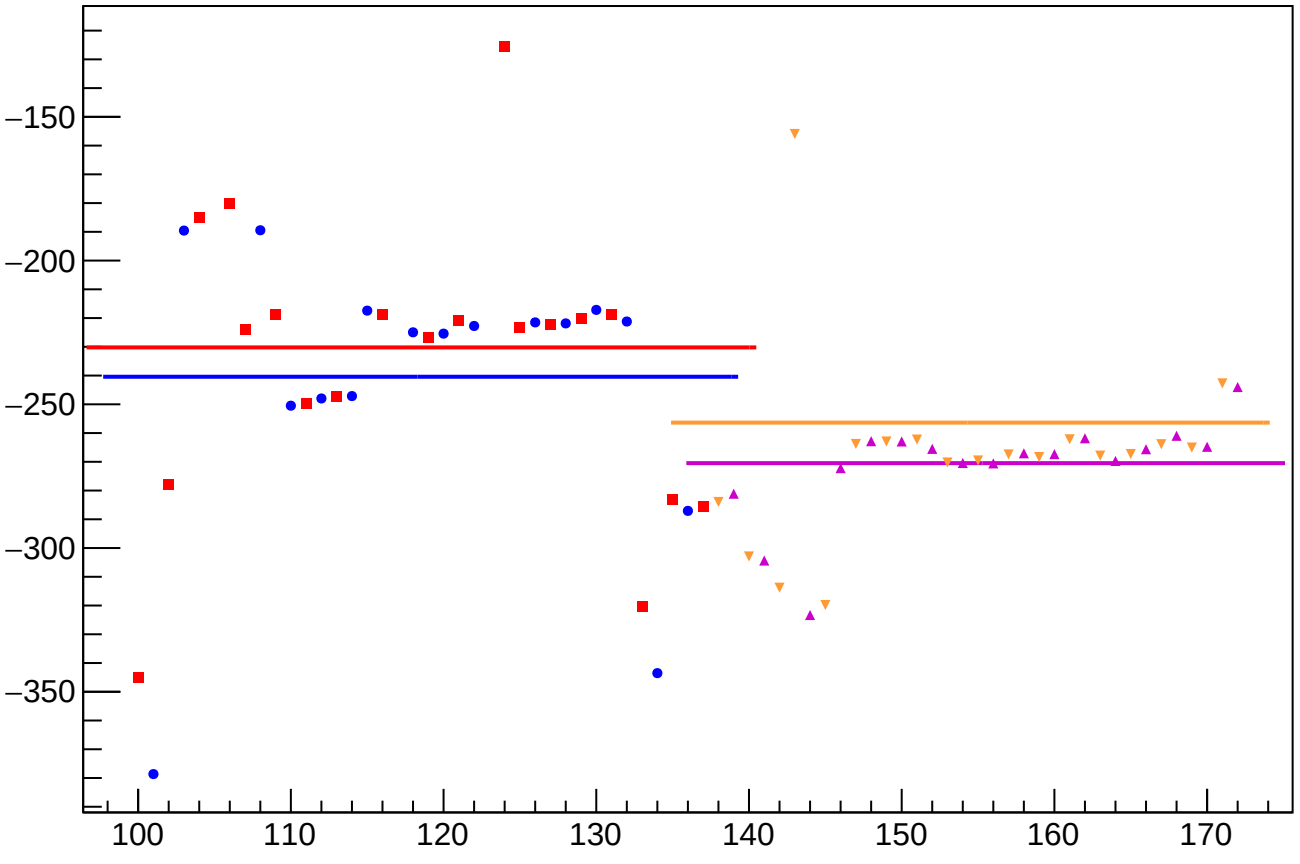
Left: 123.439+/-1.350 χ^2/NDF: 742.9/34

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 126.845+/-1.581 χ^2/NDF:567.1/32

Out: 116.844+/-1.494 χ^2/NDF:784.8/36

All: 121.564+/-1.086 χ^2/NDF: 1373.1/69



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -256.366+/-0.088 χ^2/NDF:242228.8/17

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -270.461+/-0.091 χ^2/NDF:32998.5/16

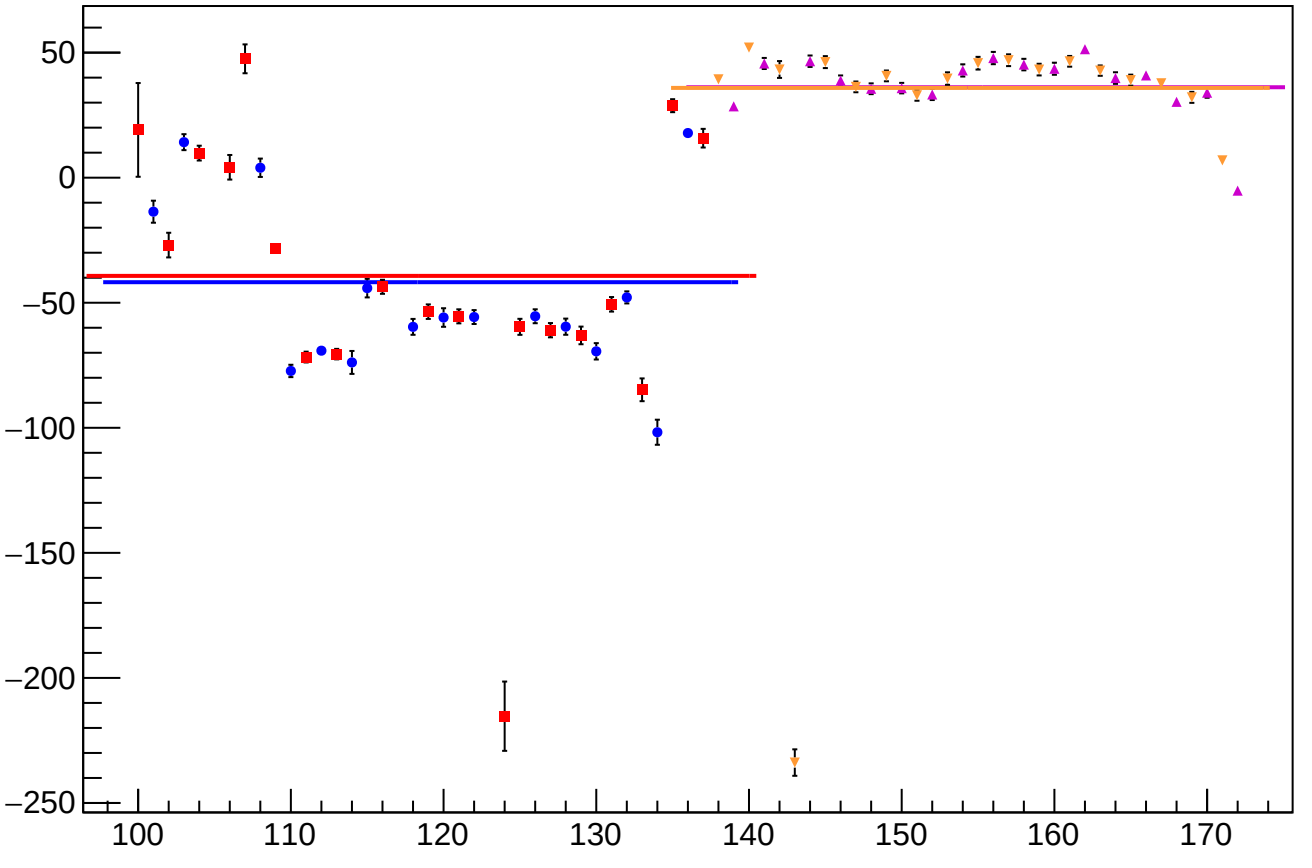
Left: -263.174+/-0.063 χ^2/NDF: 287545.4/34

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -262.385+/-0.078 χ^2/NDF:196257.7/32

Out: -249.400+/-0.076 χ^2/NDF:349055.4/36

All: -255.683+/-0.054 χ^2/NDF: 559586.7/69



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 35.894+/-0.528 χ^2/NDF:3028.5/17

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 36.158+/-0.517 χ^2/NDF:678.1/16

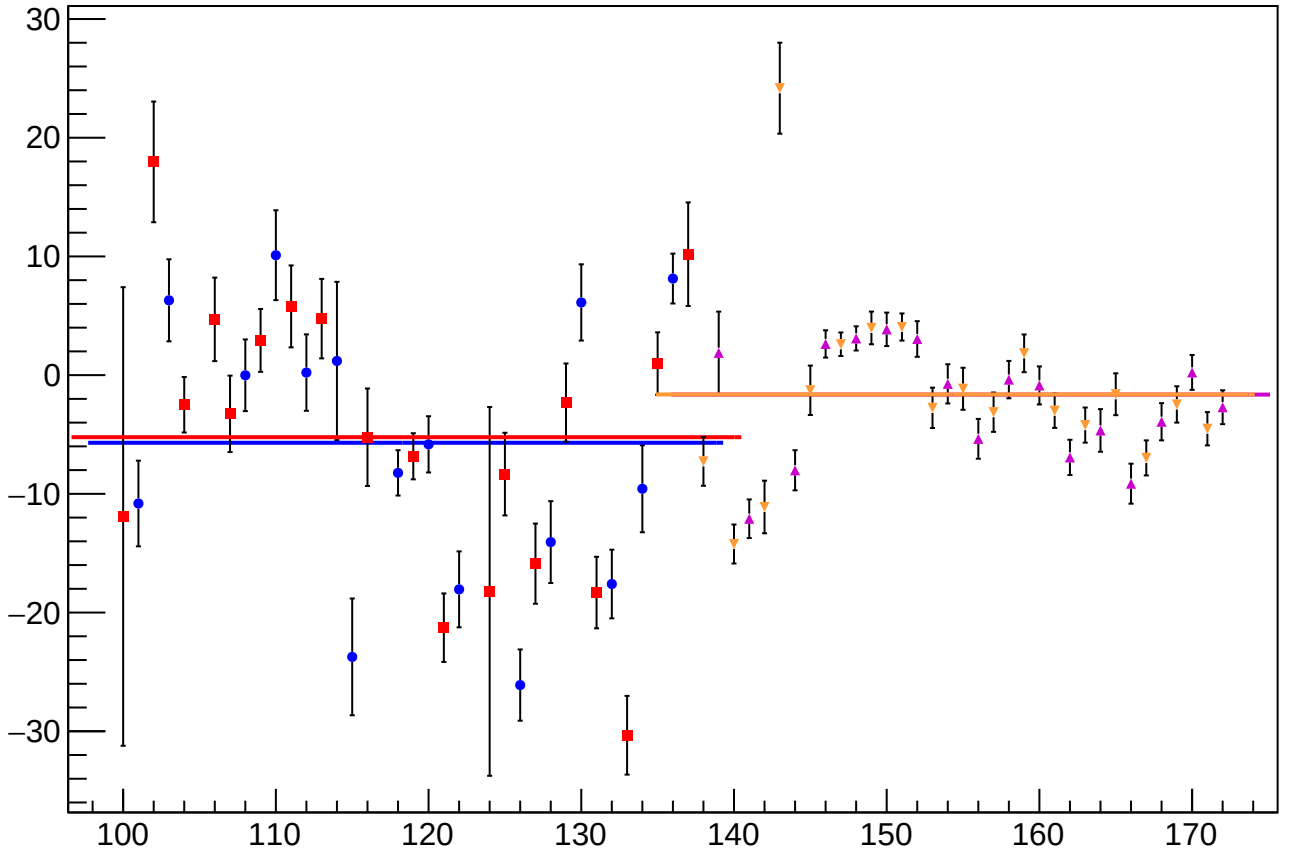
Left: 36.029+/-0.370 χ^2/NDF: 3706.8/34

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: 9.763+/-0.421 χ^2/NDF:10767.7/32

Out: 7.579+/-0.417 χ^2/NDF:13128.6/36

All: 8.661+/-0.296 χ^2/NDF: 23910.0/69



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -1.627+/-0.365 χ^2/NDF:217.3/17

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: -1.640+/-0.366 χ^2/NDF:162.6/16

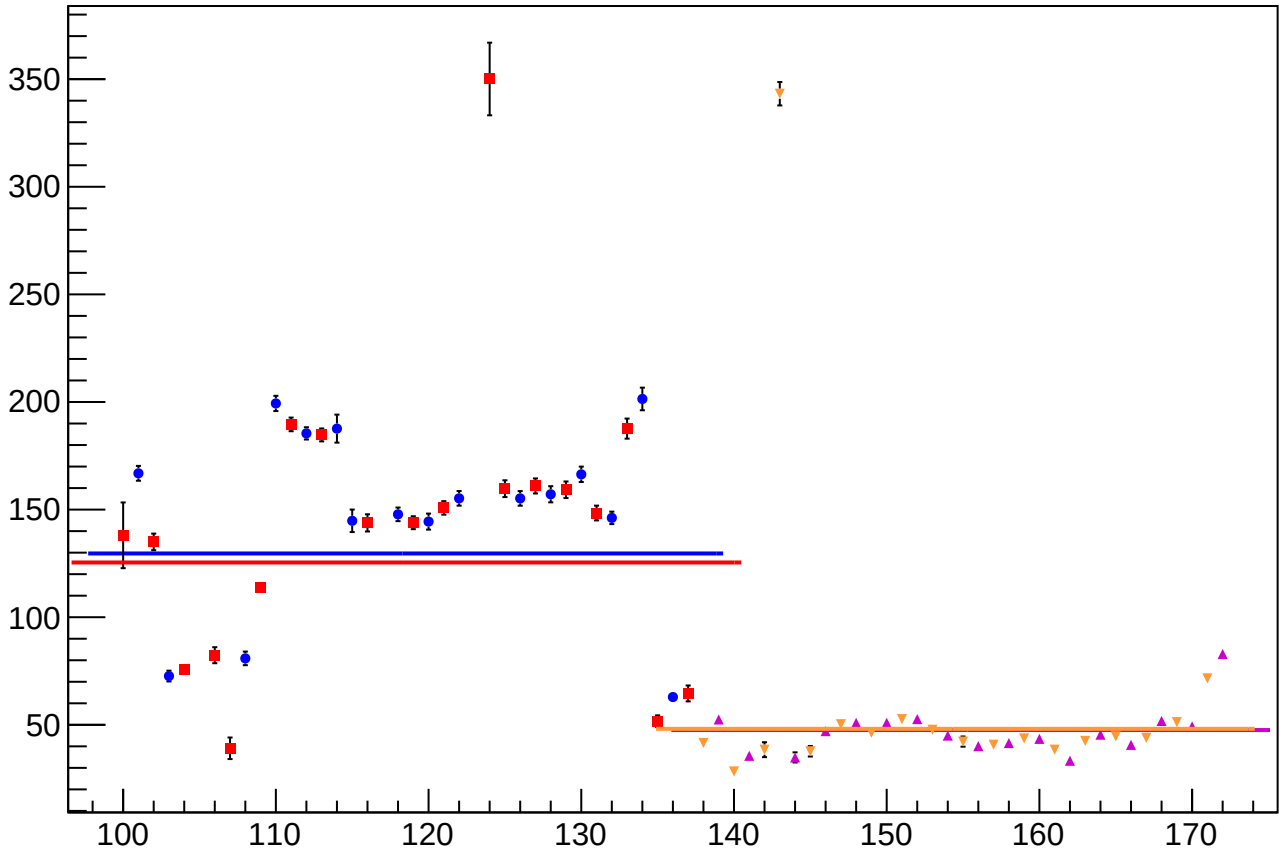
Left: -1.633+/-0.258 χ^2/NDF: 379.9/34

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -2.415+/-0.329 χ^2/NDF:382.8/32

Out: -2.332+/-0.327 χ^2/NDF:433.7/36

All: -2.373+/-0.232 χ^2/NDF: 816.5/69



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 48.144+/-0.516 χ^2/NDF:3298.0/17

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 47.578+/-0.505 χ^2/NDF:515.0/16

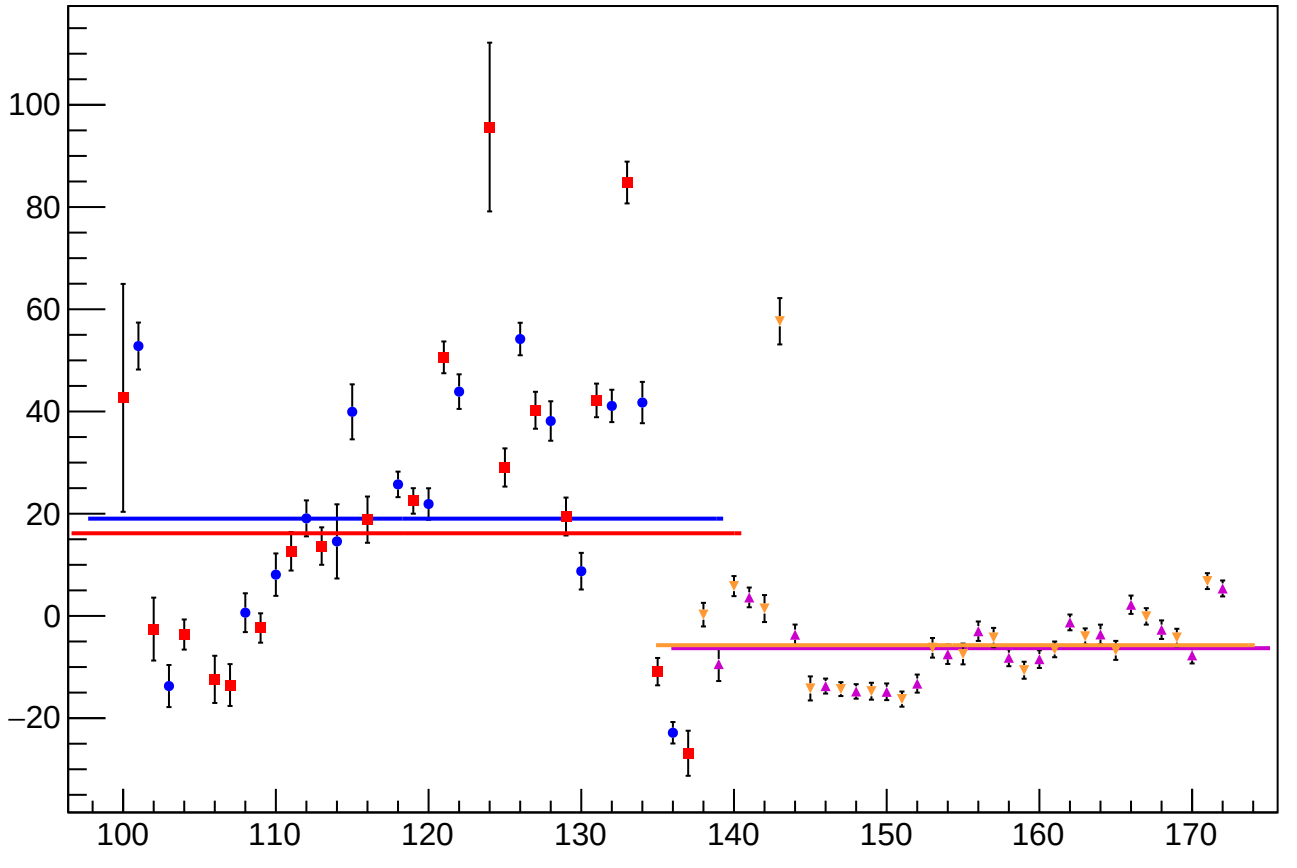
Left: 47.855+/-0.361 χ^2/NDF: 3813.6/34

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 70.941+/-0.427 χ^2/NDF:11649.9/32

Out: 71.256+/-0.432 χ^2/NDF:13514.2/36

All: 71.097+/-0.304 χ^2/NDF: 25164.3/69



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -5.725+/-0.422 χ^2/NDF:467.3/17

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -6.309+/-0.421 χ^2/NDF:235.3/16

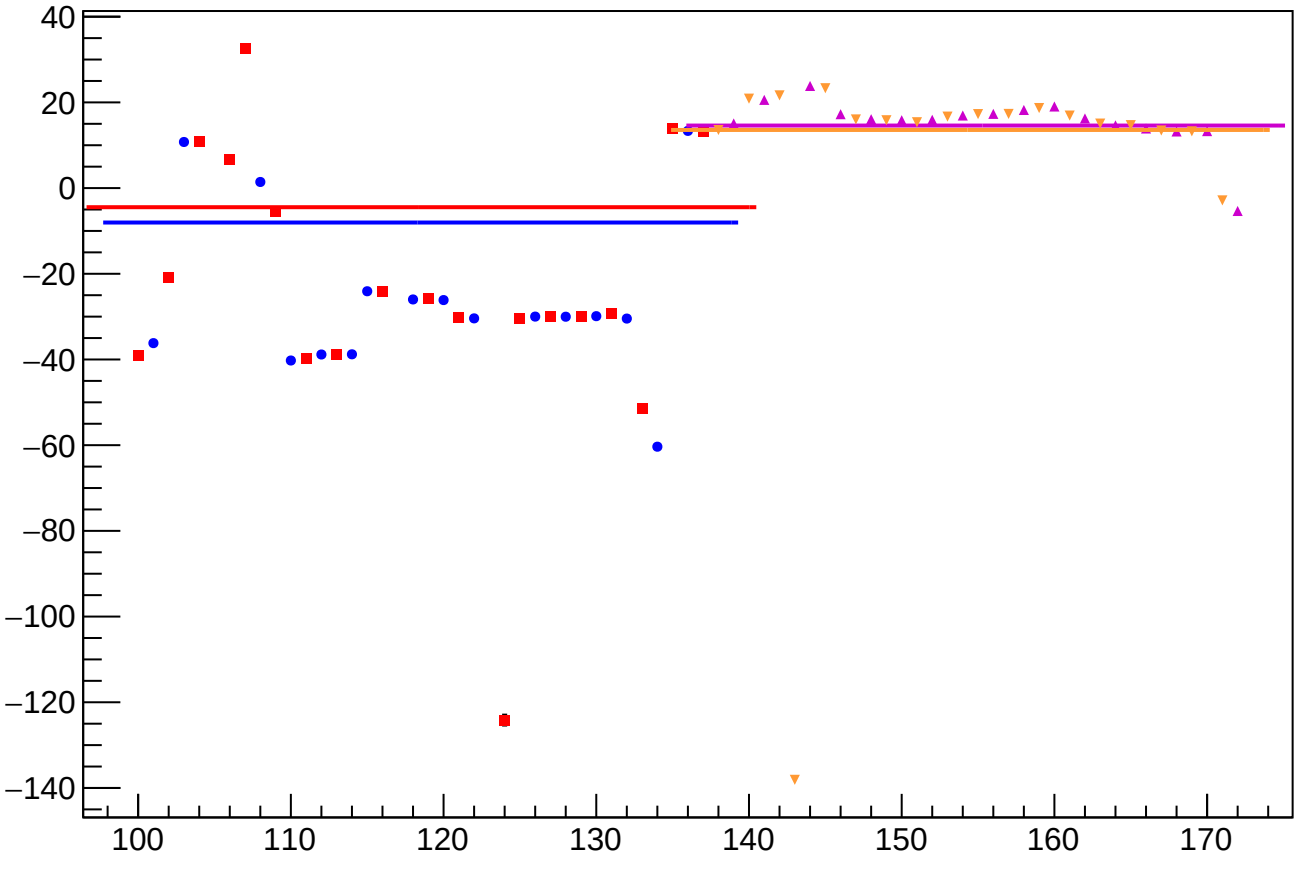
Left: -6.018+/-0.298 χ^2/NDF: 703.6/34

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: -1.407+/-0.378 χ^2/NDF:1794.0/32

Out: -1.354+/-0.378 χ^2/NDF:1944.9/36

All: -1.380+/-0.267 χ^2/NDF: 3738.9/69



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 13.565+/-0.019 χ^2/NDF:551980.9/17

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: 14.092+/-0.013 χ^2/NDF: 669179.9/34

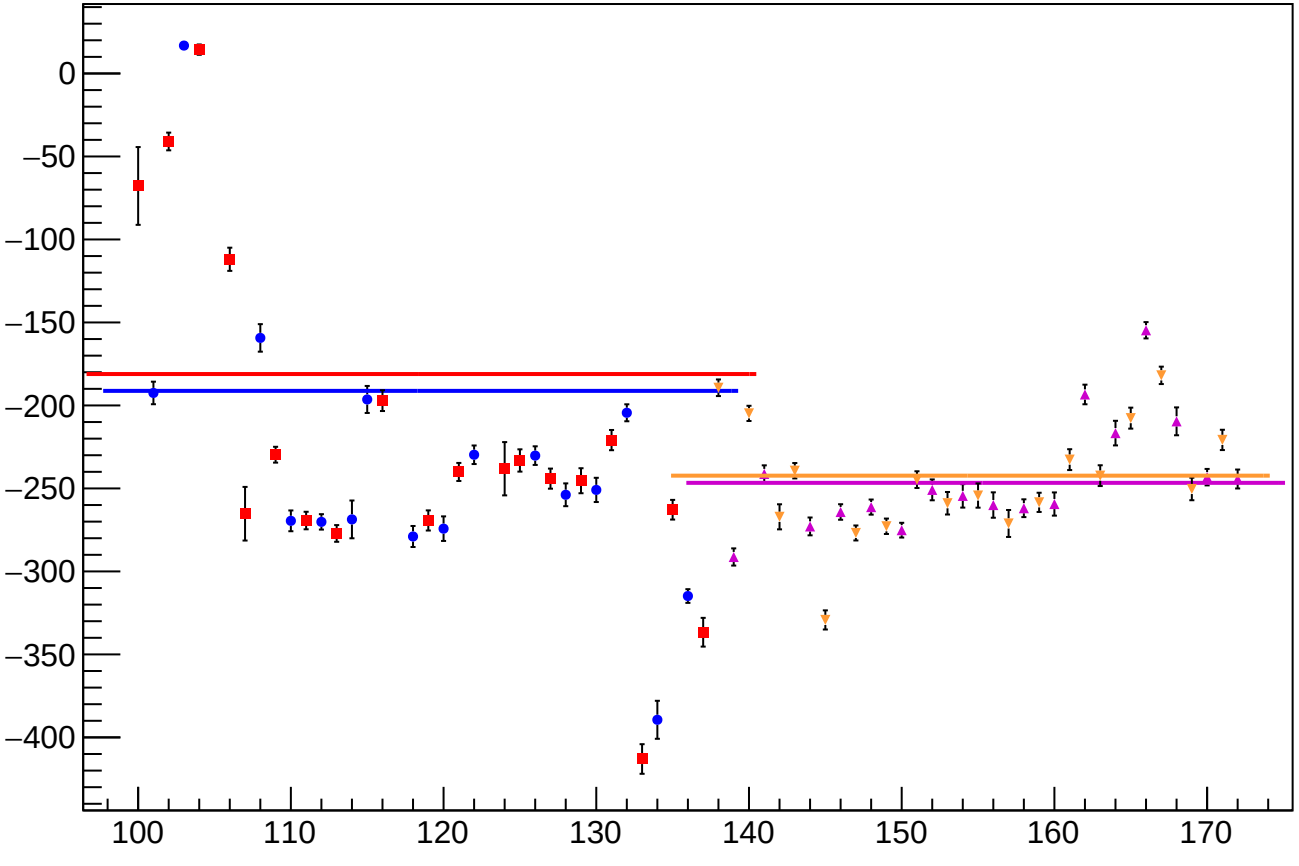
Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 11.380+/-0.017 χ^2/NDF:592839.6/32

Out: 10.990+/-0.018 χ^2/NDF:907574.5/36

All: 11.190+/-0.012 χ^2/NDF: 1500662.2/69

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -242.303+/-1.333 χ^2/NDF:727.5/17

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -246.638+/-1.354 χ^2/NDF:649.0/16

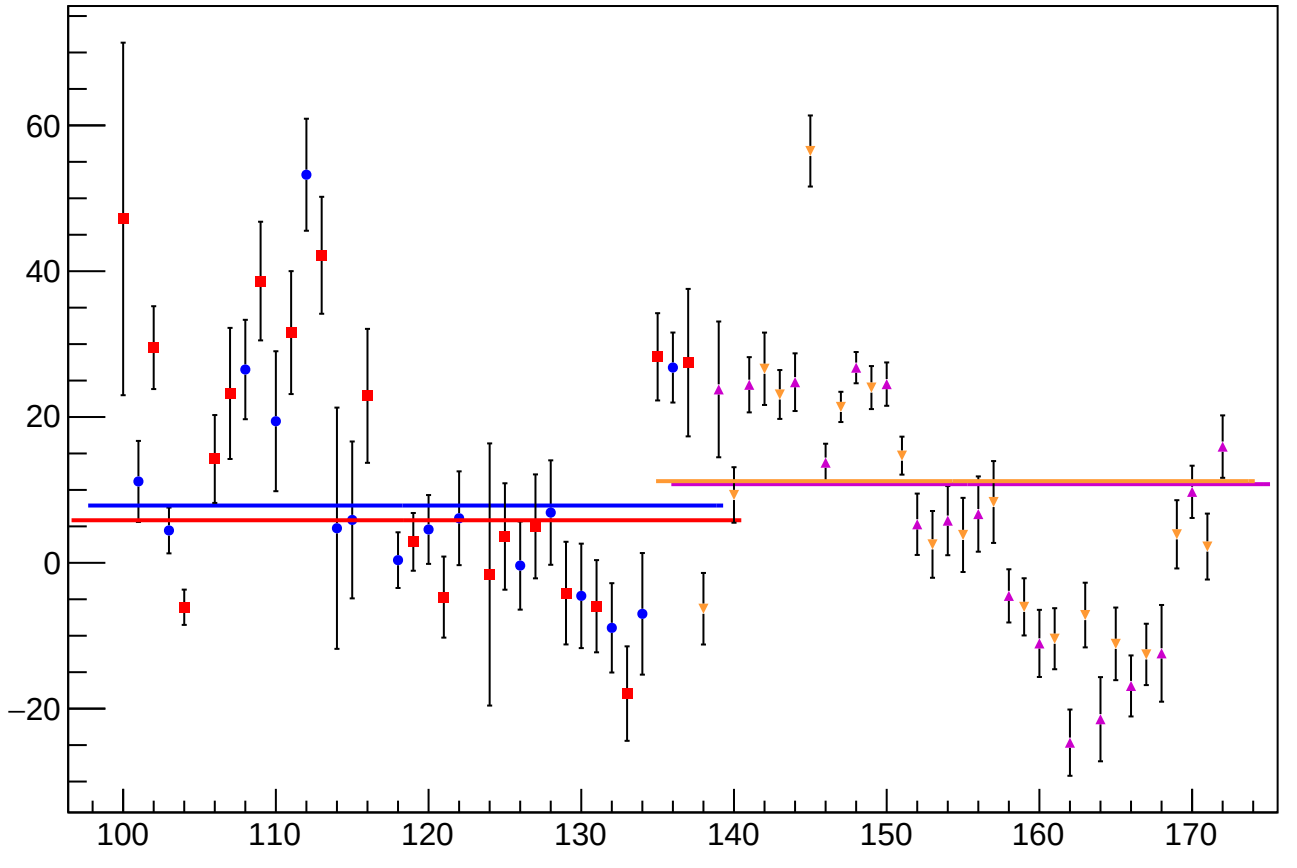
Left: -244.436+/-0.950 χ^2/NDF: 1381.7/34

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -220.222+/-0.979 χ^2/NDF:8672.2/32

Out: -212.812+/-0.960 χ^2/NDF:9117.9/36

All: -216.441+/-0.685 χ^2/NDF: 17819.3/69



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 11.203+/-0.891 χ^2/NDF:293.7/17

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 10.789+/-0.922 χ^2/NDF:298.7/16

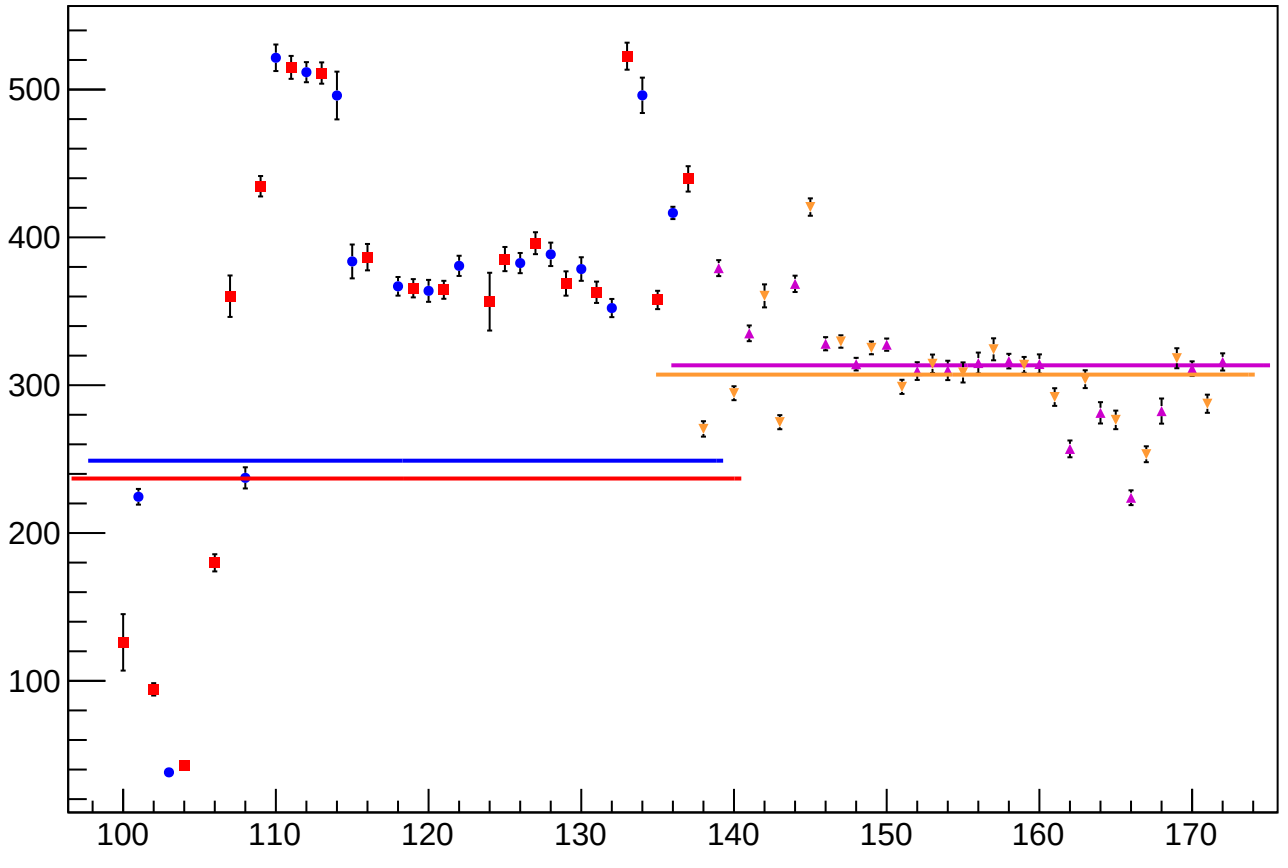
Left: 11.003+/-0.641 χ^2/NDF: 592.5/34

Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 9.935+/-0.776 χ^2/NDF:382.5/32

Out: 9.584+/-0.745 χ^2/NDF:446.5/36

All: 9.752+/-0.537 χ^2/NDF: 829.2/69



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 307.167+/-1.304 χ^2/NDF:720.7/17

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 313.447+/-1.318 χ^2/NDF:739.6/16

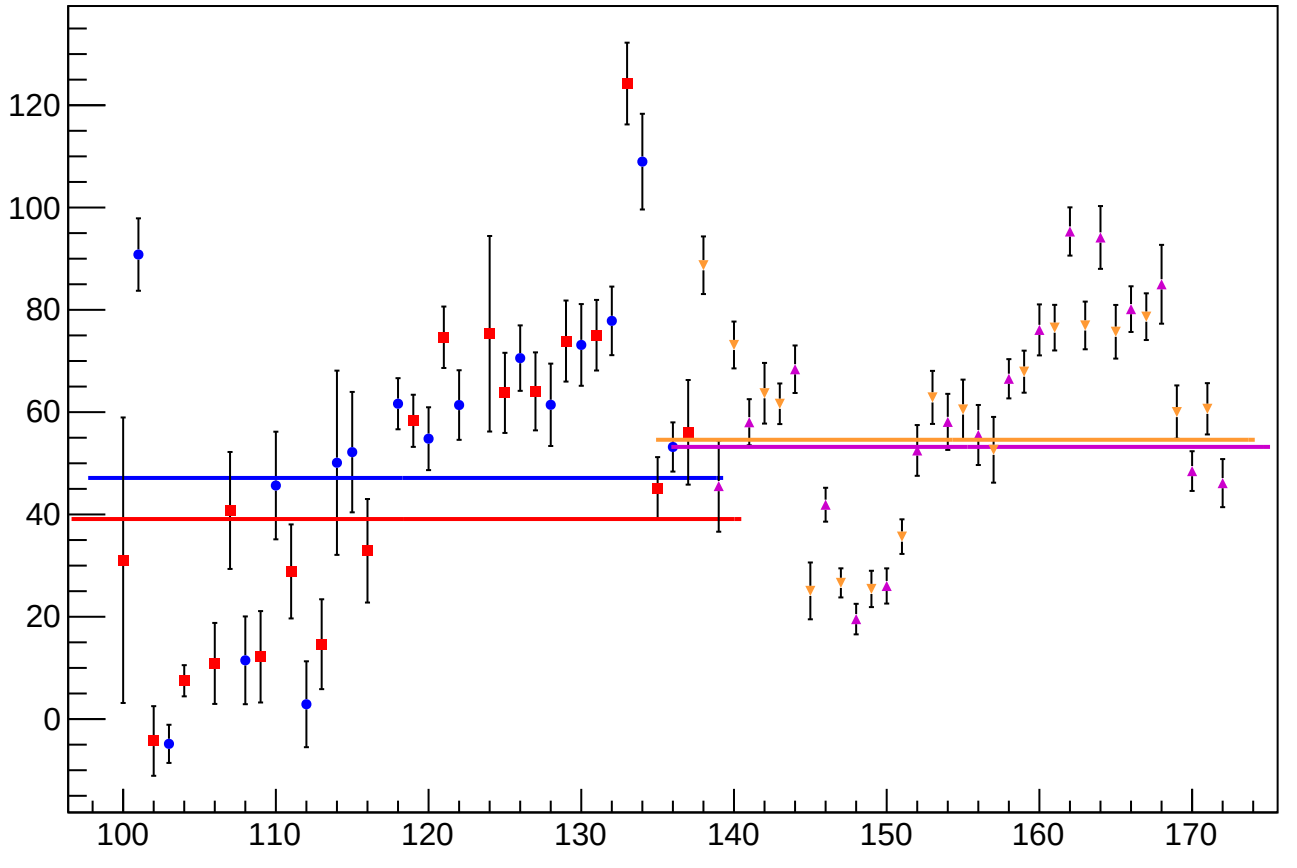
Left: 310.273+/-0.927 χ^2/NDF: 1471.7/34

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 283.628+/-0.967 χ^2/NDF:17149.2/32

Out: 274.681+/-0.956 χ^2/NDF:17721.2/36

All: 279.106+/-0.680 χ^2/NDF: 34913.7/69



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 54.601+/-1.054 χ^2/NDF:390.1/17

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 53.206+/-1.080 χ^2/NDF:429.3/16

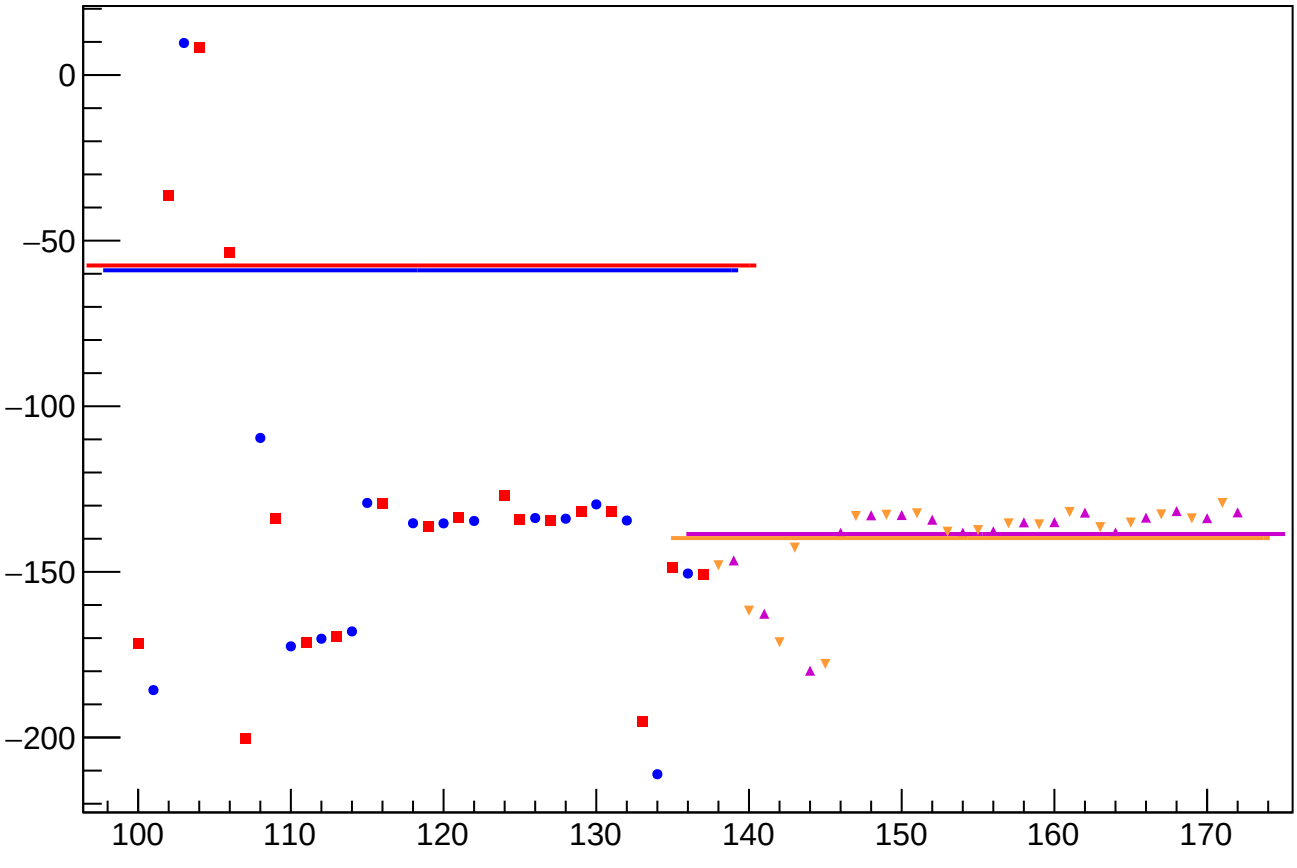
Left: 53.921+/-0.754 χ^2/NDF: 820.3/34

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 51.413+/-0.907 χ^2/NDF:824.0/32

Out: 49.898+/-0.879 χ^2/NDF:872.2/36

All: 50.632+/-0.631 χ^2/NDF: 1697.6/69



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -139.800+/-0.050 χ^2/NDF:60800.5/17

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: -139.183+/-0.035 χ^2/NDF: 109999.0/34

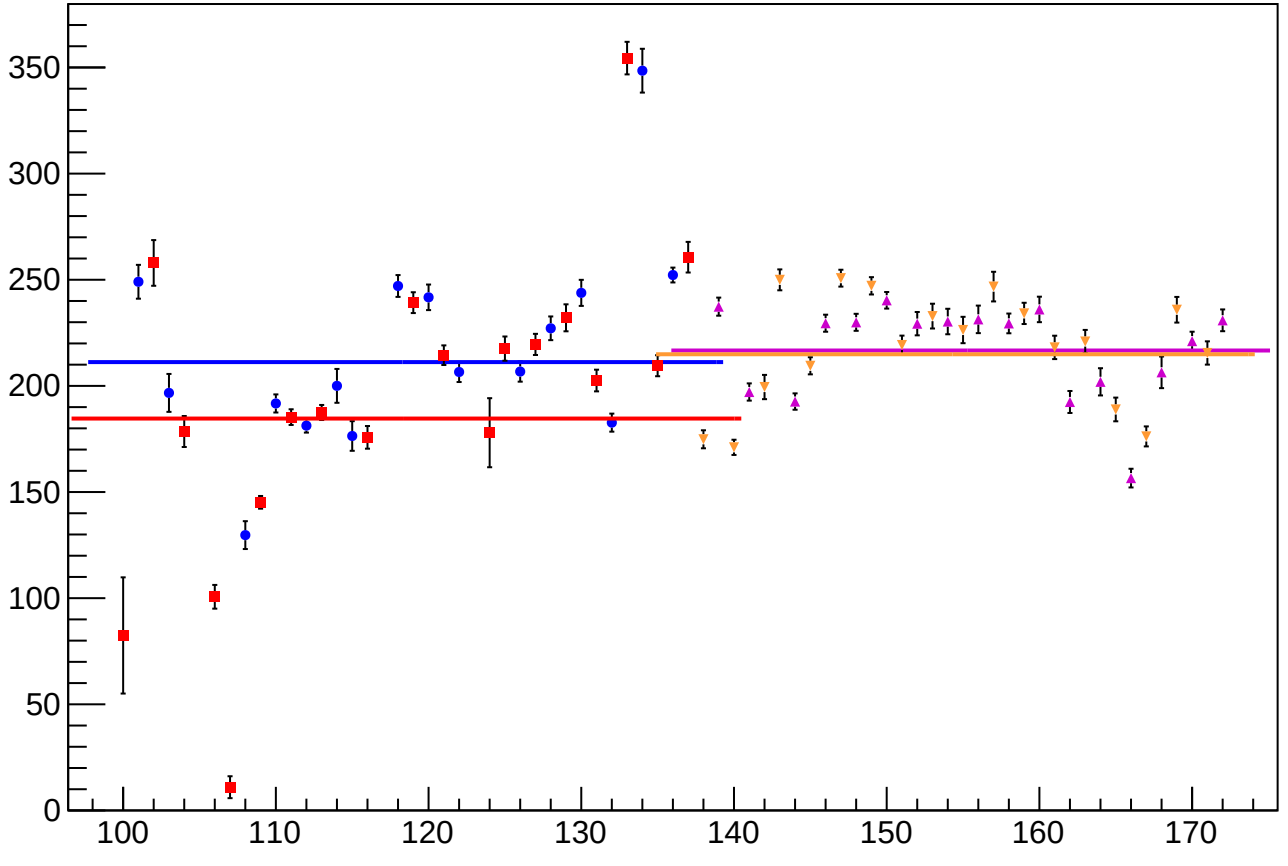
Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -113.178+/-0.041 χ^2/NDF:2094884.9/32

Out: -114.144+/-0.041 χ^2/NDF:1777518.8/36

All: -113.656+/-0.029 χ^2/NDF: 3872677.9/69

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 214.902+/-1.146 χ^2/NDF:594.5/17

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 216.671+/-1.153 χ^2/NDF:401.1/16

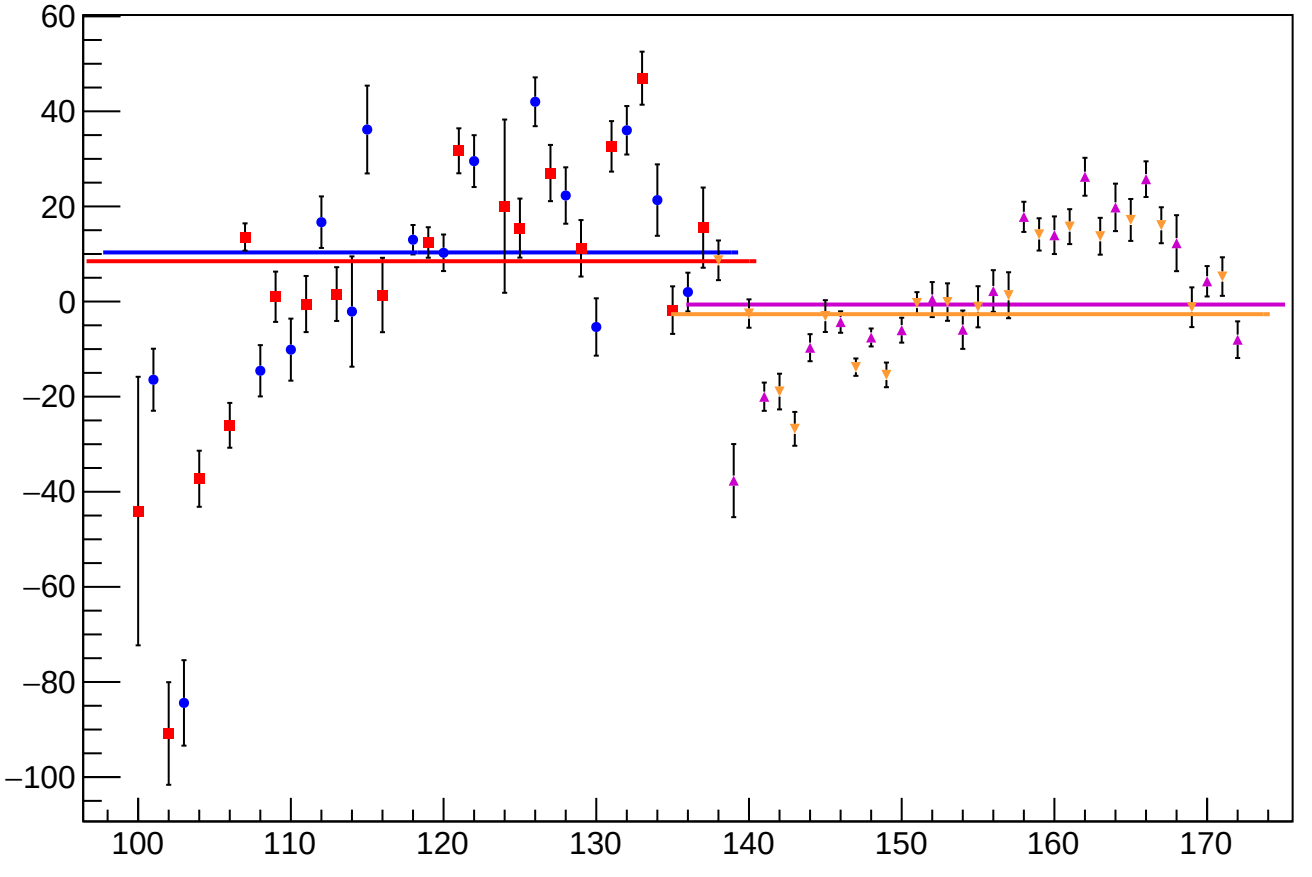
Left: 215.781+/-0.813 χ^2/NDF: 996.8/34

Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 214.257+/-0.861 χ^2/NDF:1194.0/32

Out: 200.373+/-0.827 χ^2/NDF:3469.8/36

All: 207.031+/-0.597 χ^2/NDF: 4799.0/69



Right In: 10.329+/-1.333 χ^2/NDF: 263.3/15

Left Out: -2.658+/-0.772 χ^2/NDF:251.8/17

Right Out: 8.480+/-1.225 χ^2/NDF: 322.3/18

Left In: -0.629+/-0.792 χ^2/NDF:268.3/16

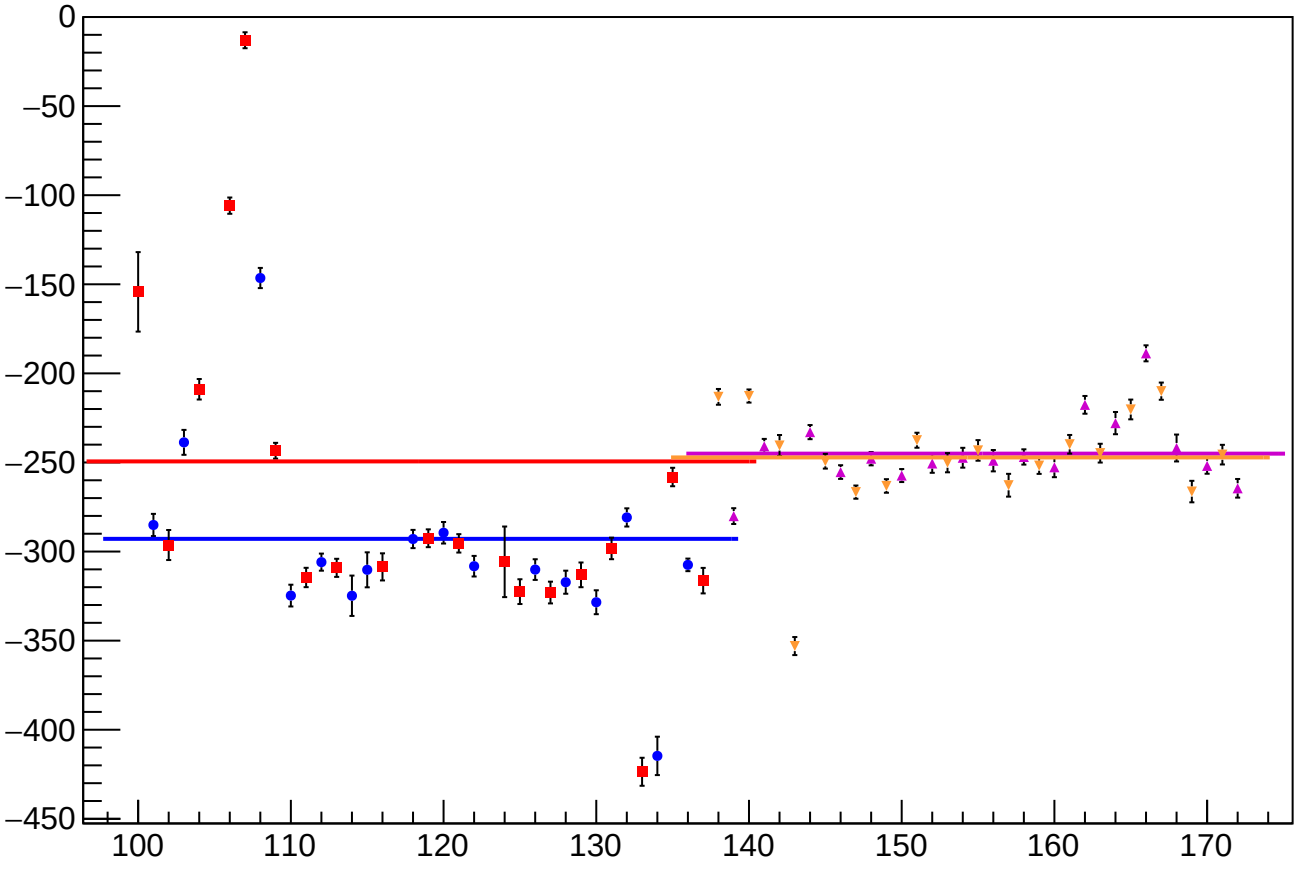
Left: -1.669+/-0.553 χ^2/NDF: 523.5/34

Right: 9.326+/-0.902 χ^2/NDF: 586.7/34

In: 2.229+/-0.681 χ^2/NDF:581.6/32

Out: 0.512+/-0.653 χ^2/NDF:633.3/36

All: 1.335+/-0.471 χ^2/NDF: 1218.2/69



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -247.174+/-1.123 χ^2/NDF:738.6/17

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -245.051+/-1.125 χ^2/NDF:307.0/16

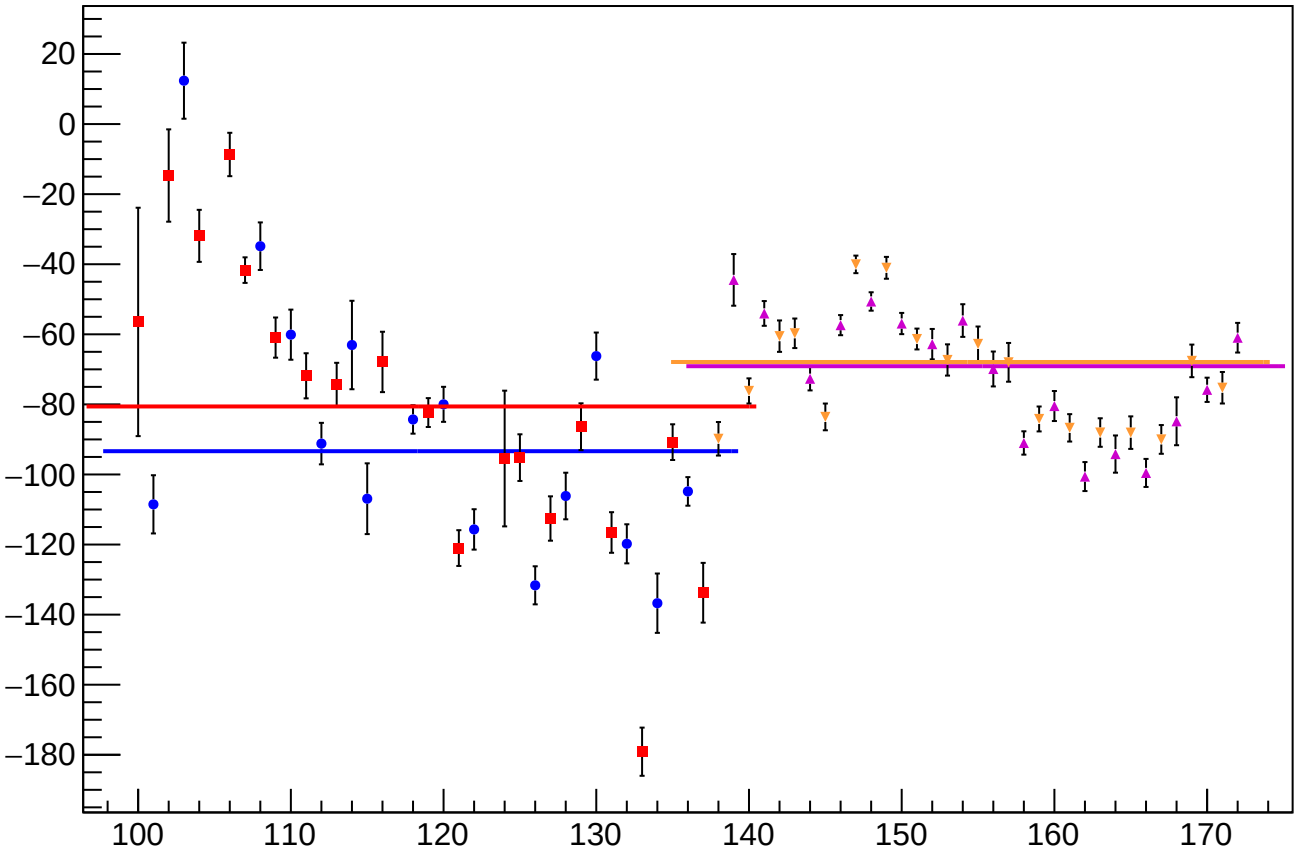
Left: -246.114+/-0.795 χ^2/NDF: 1047.3/34

Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -262.756+/-0.893 χ^2/NDF:1959.2/32

Out: -248.073+/-0.868 χ^2/NDF:6108.6/36

All: -255.209+/-0.623 χ^2/NDF: 8206.8/69



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -67.901+/-0.913 χ^2/NDF:372.4/17

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -69.102+/-0.927 χ^2/NDF:324.0/16

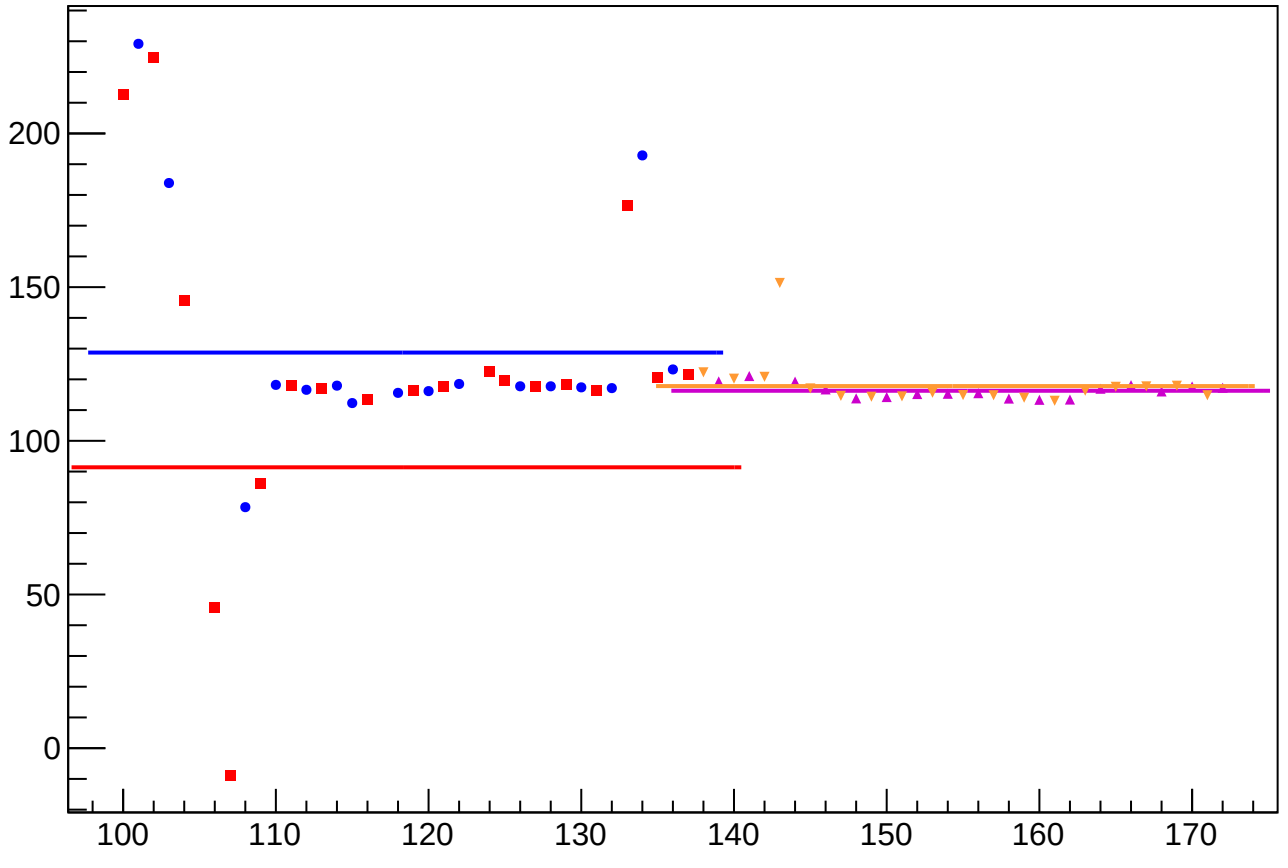
Left: -68.492+/-0.650 χ^2/NDF: 697.2/34

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -75.584+/-0.793 χ^2/NDF:862.4/32

Out: -71.595+/-0.768 χ^2/NDF:1144.1/36

All: -73.526+/-0.552 χ^2/NDF: 2019.5/69



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 117.812+/-0.043 χ^2/NDF:29680.1/17

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 116.286+/-0.043 χ^2/NDF:2954.9/16

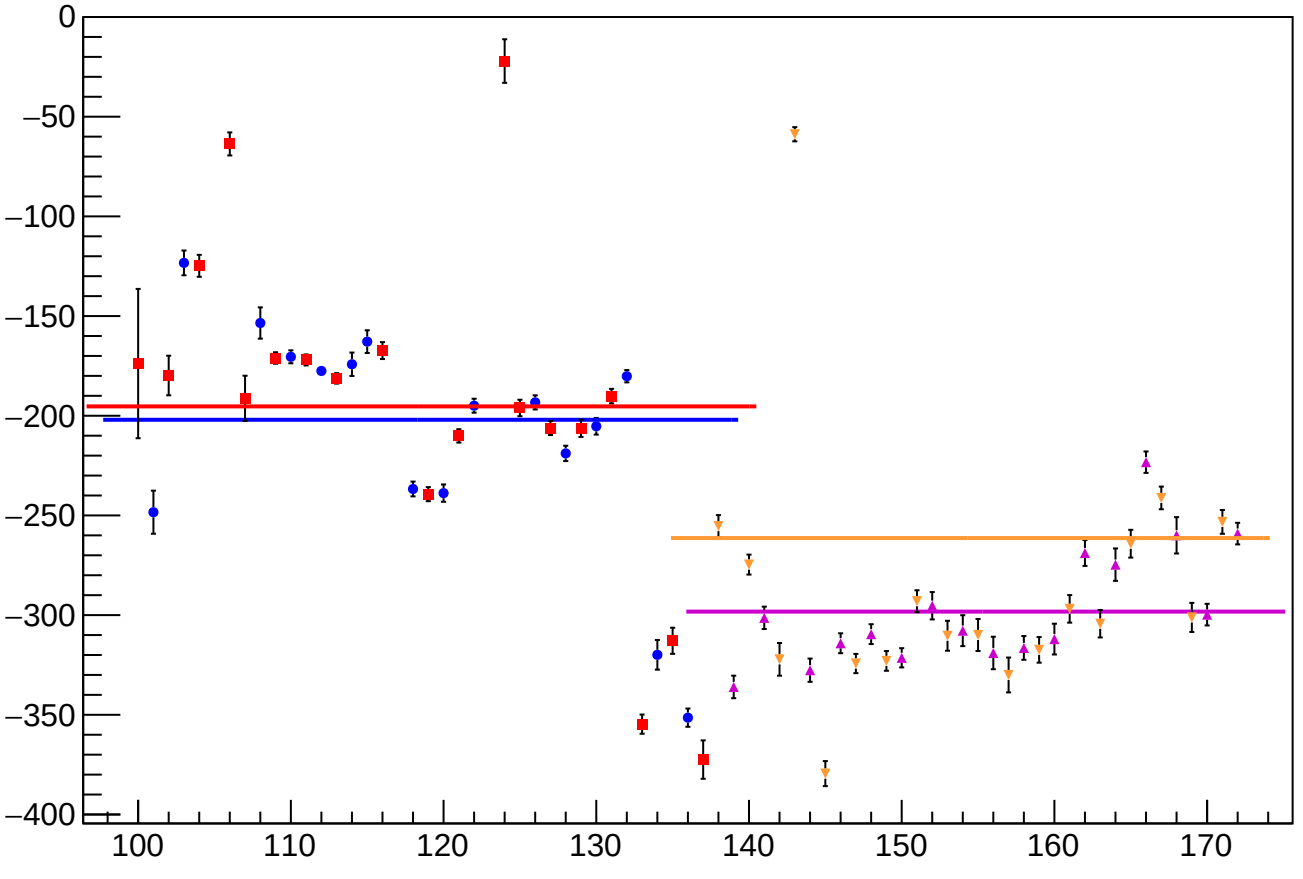
Left: 117.040+/-0.030 χ^2/NDF: 33268.6/34

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 118.597+/-0.038 χ^2/NDF:202305.4/32

Out: 111.752+/-0.038 χ^2/NDF:720703.5/36

All: 115.123+/-0.027 χ^2/NDF: 939108.0/69



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -261.347+/-1.387 χ^2/NDF:4343.0/17

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -298.237+/-1.462 χ^2/NDF:423.1/16

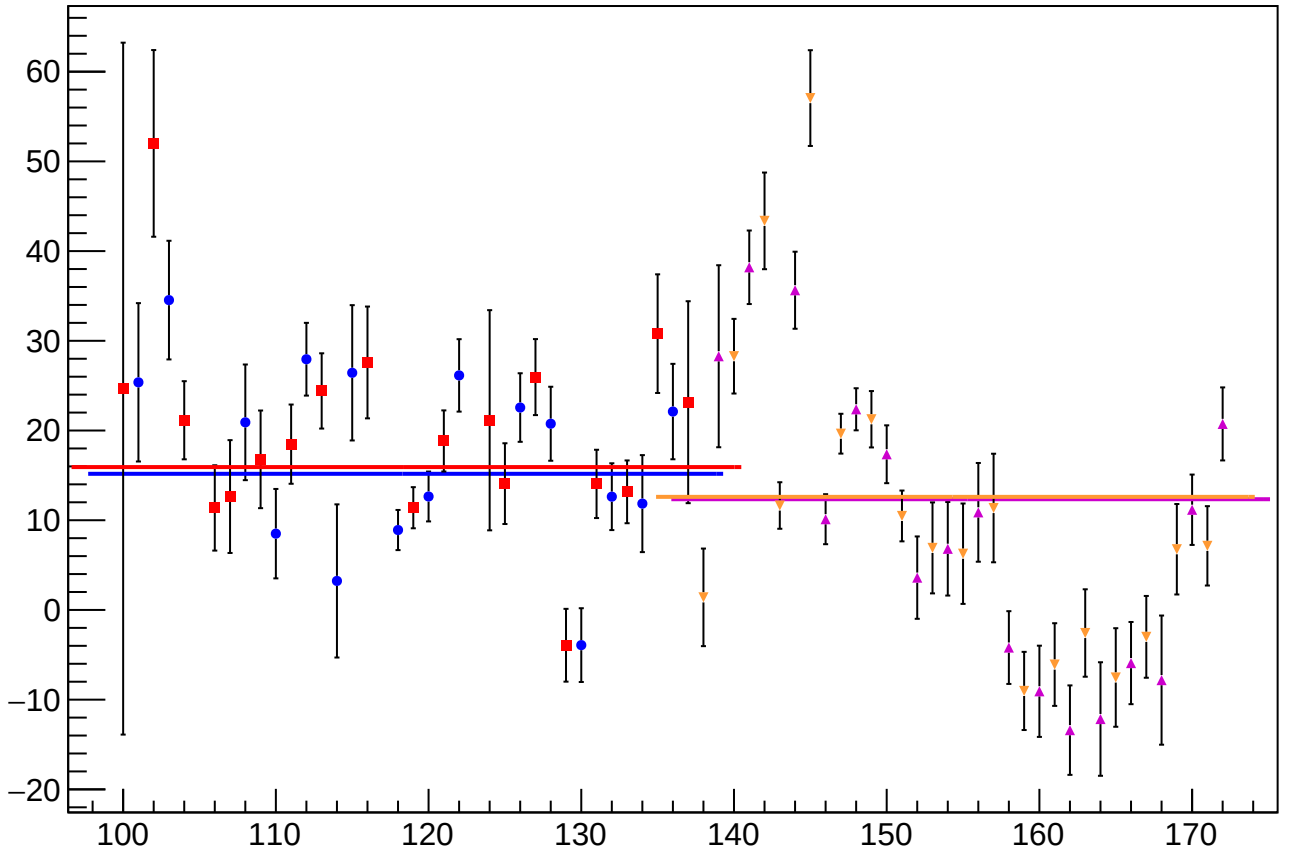
Left: -278.818+/-1.006 χ^2/NDF: 5101.3/34

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -233.693+/-0.839 χ^2/NDF:5369.4/32

Out: -217.132+/-0.797 χ^2/NDF:8962.3/36

All: -224.991+/-0.578 χ^2/NDF: 14536.6/69



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 12.606+/-0.932 χ^2/NDF:220.2/17

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: 12.483+/-0.681 χ^2/NDF: 422.1/34

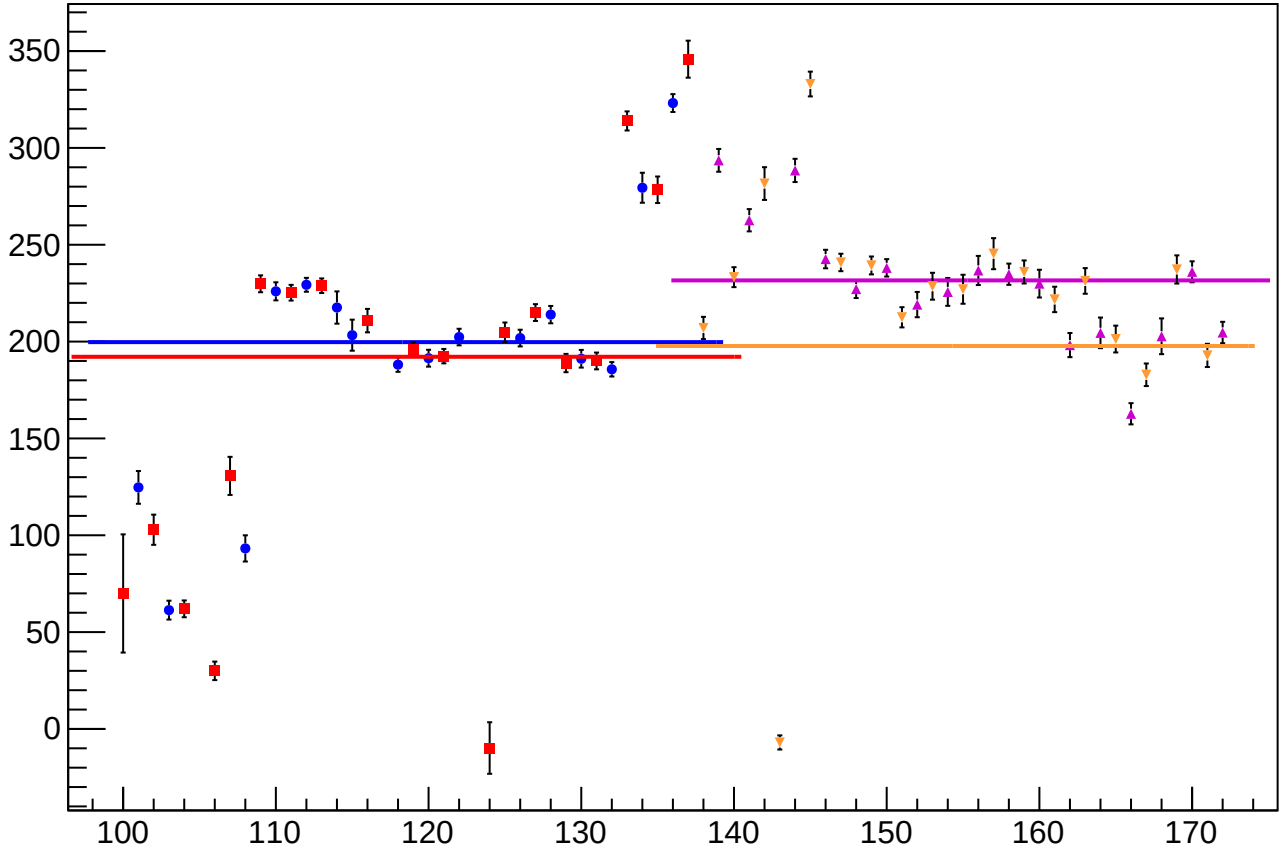
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 13.689+/-0.723 χ^2/NDF:278.1/32

Out: 14.090+/-0.693 χ^2/NDF:289.4/36

All: 13.898+/-0.500 χ^2/NDF: 567.7/69

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: 197.724+/-1.362 χ^2/NDF:4092.6/17

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 231.594+/-1.424 χ^2/NDF:475.4/16

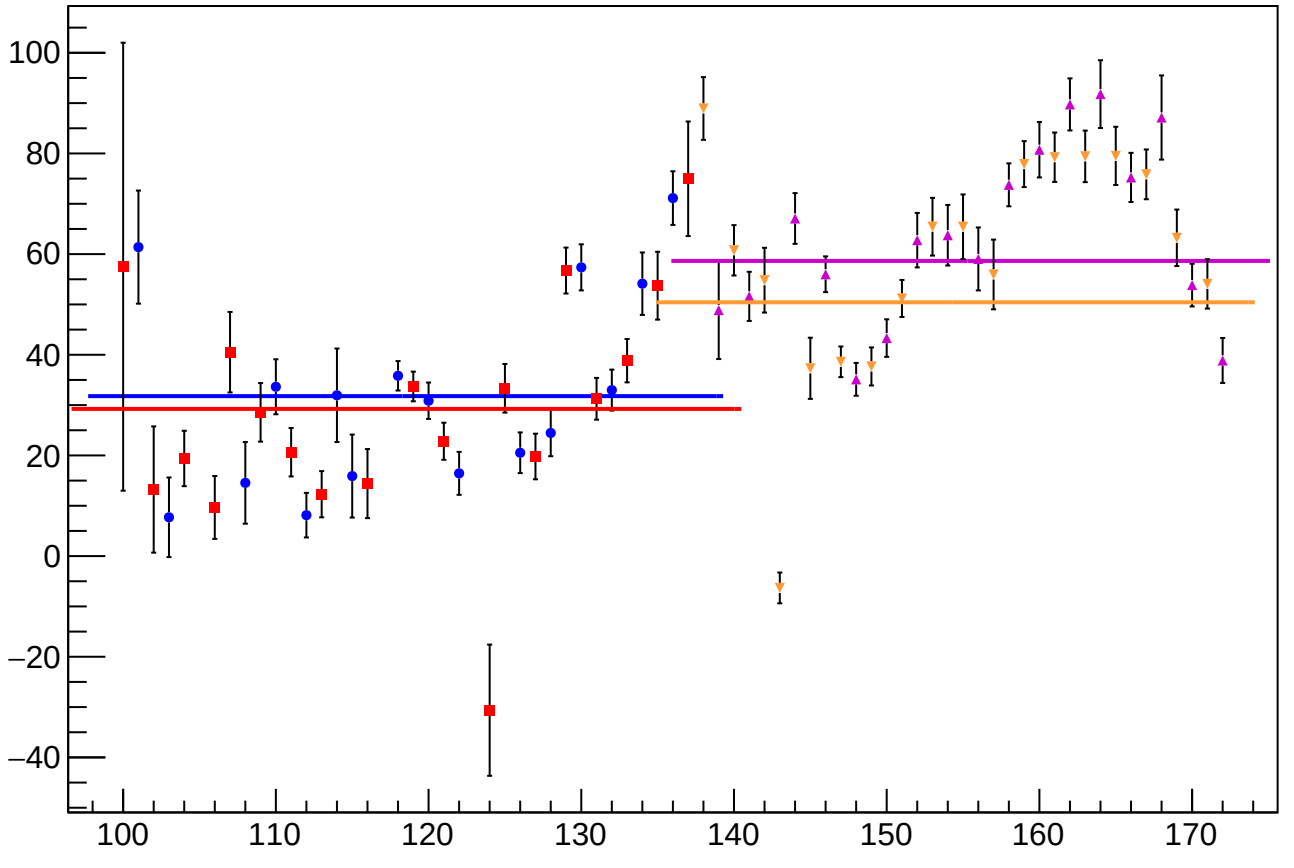
Left: 213.895+/-0.984 χ^2/NDF: 4863.5/34

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 212.897+/-0.916 χ^2/NDF:2870.7/32

Out: 194.475+/-0.879 χ^2/NDF:7879.5/36

All: 203.306+/-0.634 χ^2/NDF: 10960.9/69



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 50.428+/-1.102 χ^2/NDF:591.6/17

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 58.647+/-1.168 χ^2/NDF:209.7/16

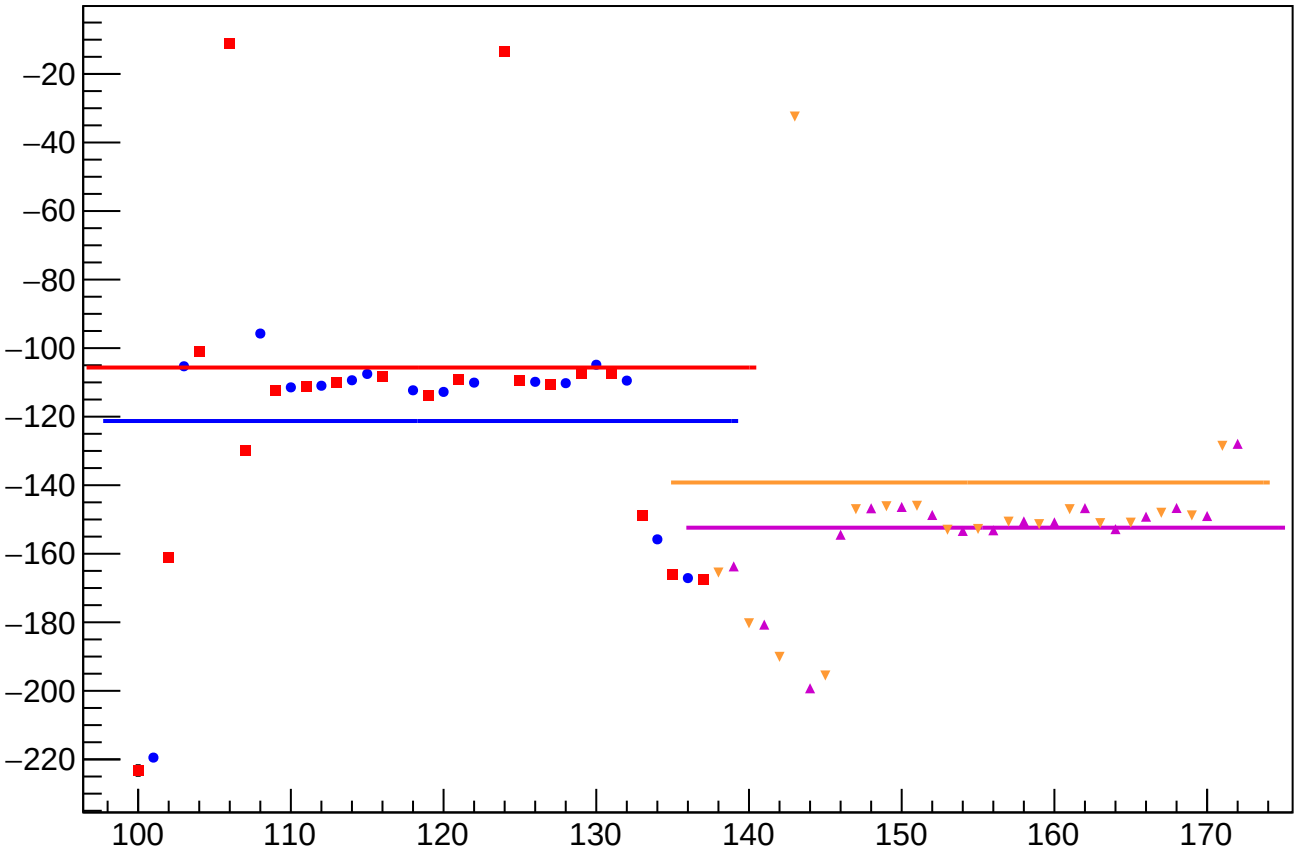
Left: 54.302+/-0.802 χ^2/NDF: 827.5/34

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 45.766+/-0.842 χ^2/NDF:640.6/32

Out: 40.702+/-0.811 χ^2/NDF:902.0/36

All: 43.137+/-0.584 χ^2/NDF: 1561.3/69



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -139.207+/-0.052 χ^2/NDF:636688.0/17

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -152.395+/-0.054 χ^2/NDF:68282.0/16

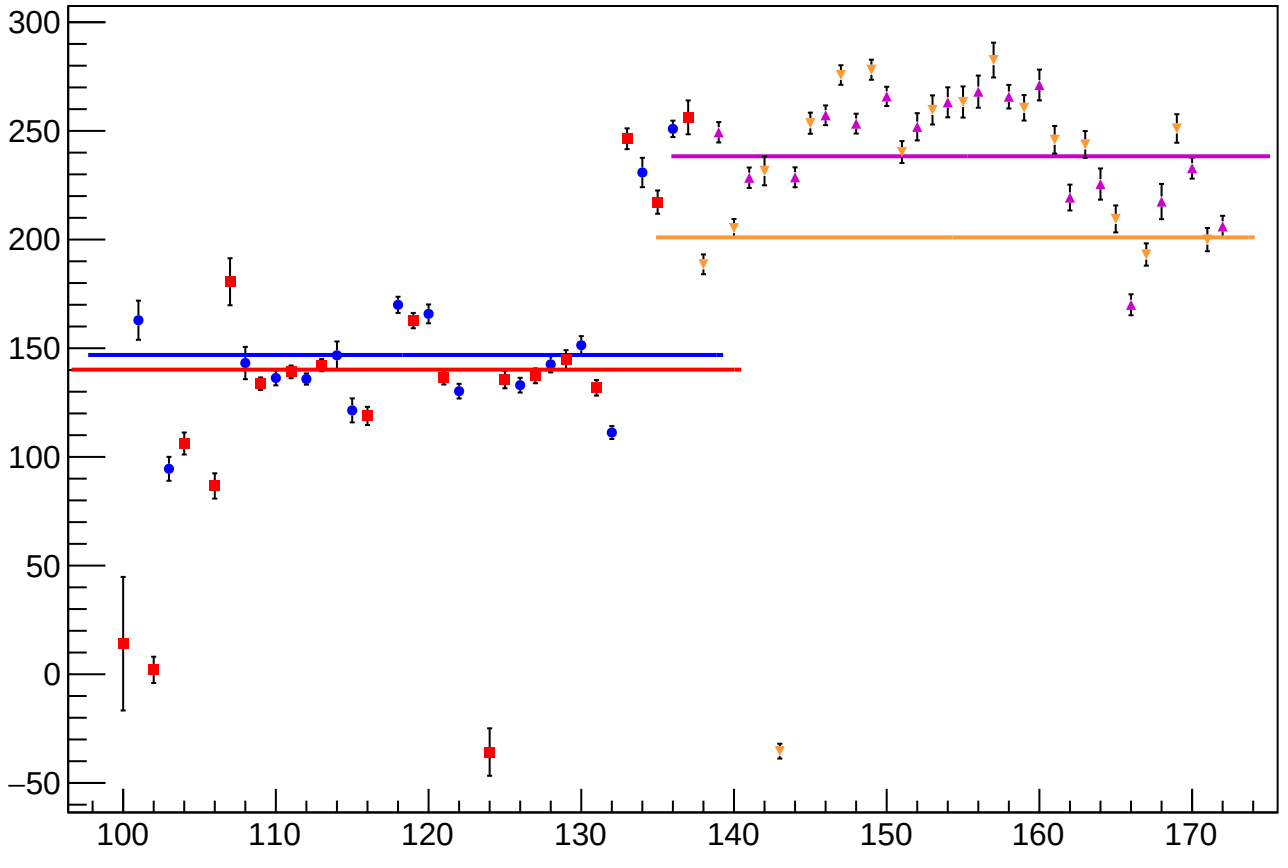
Left: -145.646+/-0.037 χ^2/NDF: 735892.8/34

Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -142.608+/-0.044 χ^2/NDF:293516.0/32

Out: -128.143+/-0.043 χ^2/NDF:1126928.7/36

All: -135.124+/-0.031 χ^2/NDF: 1475310.2/69



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 201.009+/-1.239 χ^2/NDF:6061.5/17

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 238.317+/-1.296 χ^2/NDF:427.3/16

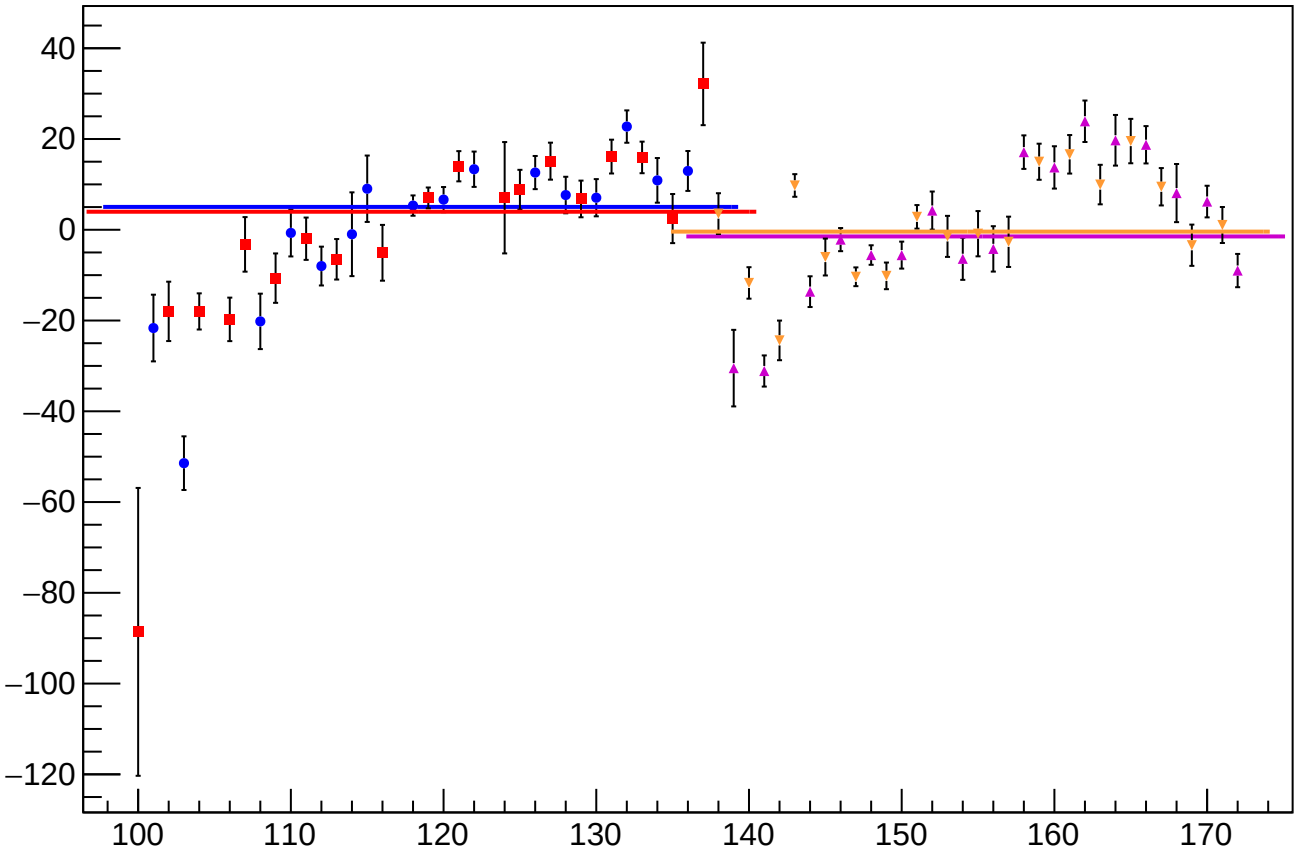
Left: 218.823+/-0.896 χ^2/NDF: 6921.9/34

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

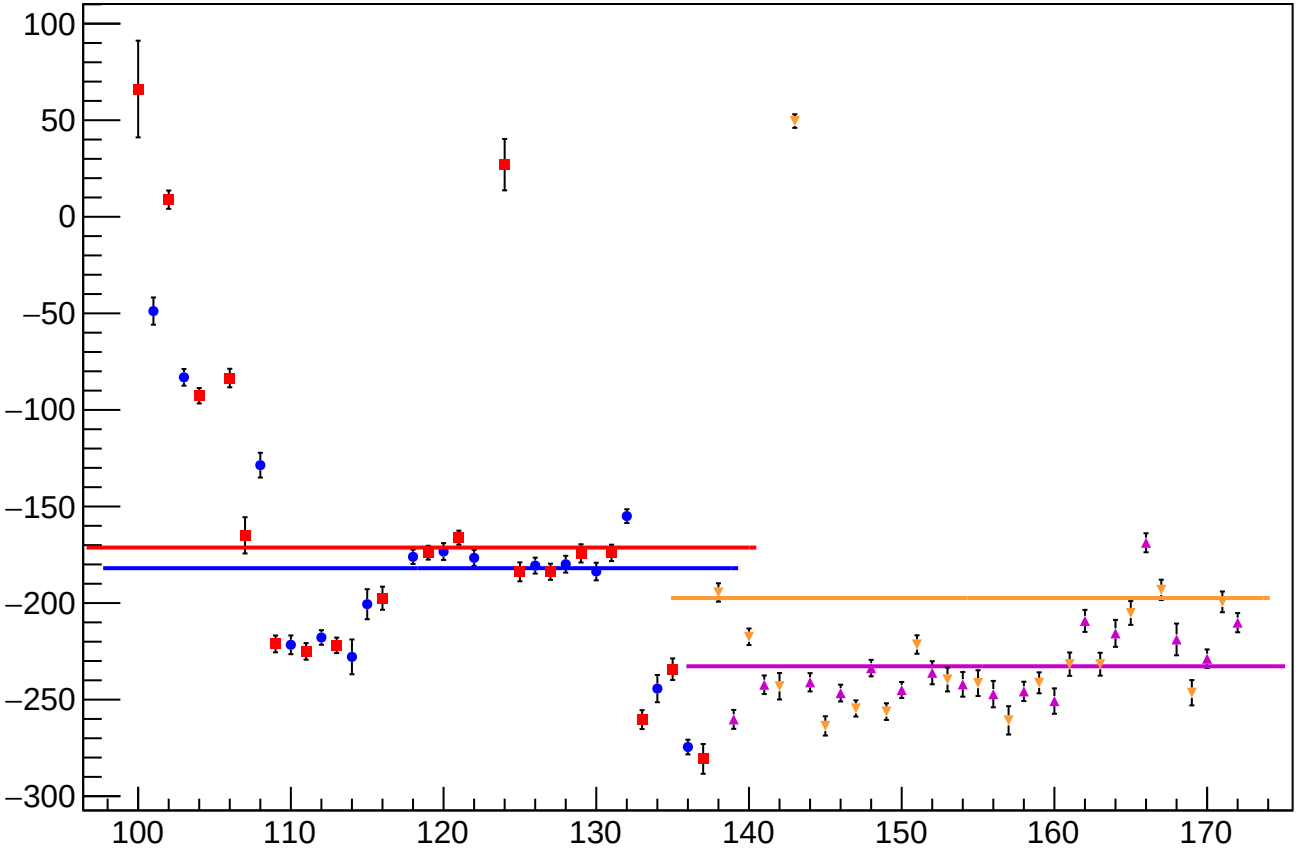
In: 181.160+/-0.793 χ^2/NDF:4840.1/32

Out: 162.985+/-0.759 χ^2/NDF:9519.7/36

All: 171.669+/-0.548 χ^2/NDF: 14633.8/69


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: -0.406+/-0.842 χ²/NDF:155.8/17
Right Out: 3.974+/-1.012 χ²/NDF: 144.9/18
Left In: -1.470+/-0.894 χ²/NDF:224.8/16
Left: -0.906+/-0.613 χ²/NDF: 381.4/34
Right: 4.501+/-0.719 χ²/NDF: 317.3/34
In: 1.354+/-0.672 χ²/NDF:419.7/32
Out: 1.386+/-0.647 χ²/NDF:311.8/36
All: 1.370+/-0.466 χ²/NDF: 731.4/69

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -181.947+/-1.154 χ^2/NDF: 1870.4/15

Left Out: -197.404+/-1.220 χ^2/NDF:5925.1/17

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: -214.404+/-0.878 χ^2/NDF: 6623.7/34

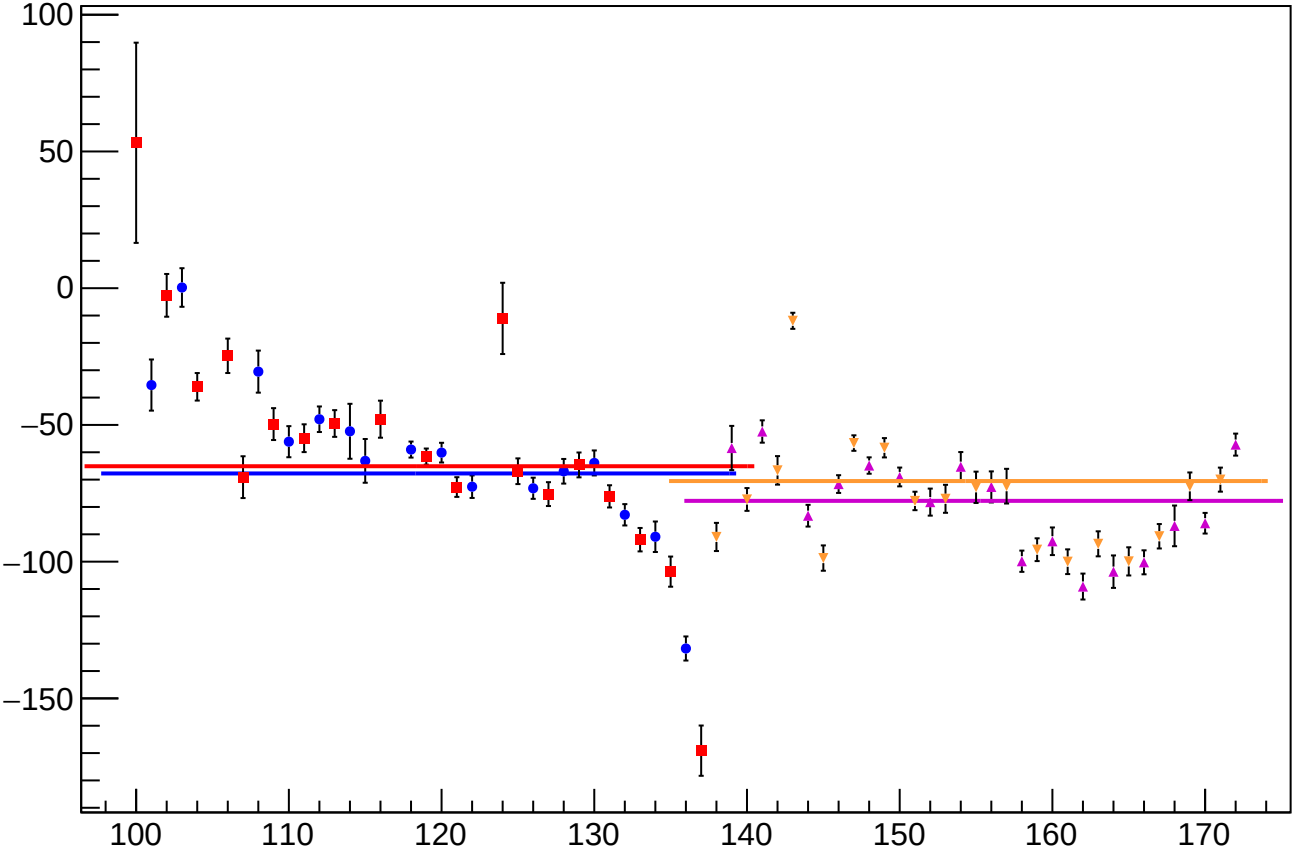
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -204.987+/-0.853 χ^2/NDF:3044.0/32

Out: -183.119+/-0.821 χ^2/NDF:9804.3/36

All: -193.640+/-0.592 χ^2/NDF: 13189.4/69

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: -70.524+/-0.994 χ^2/NDF:652.8/17

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -77.768+/-1.044 χ^2/NDF:243.2/16

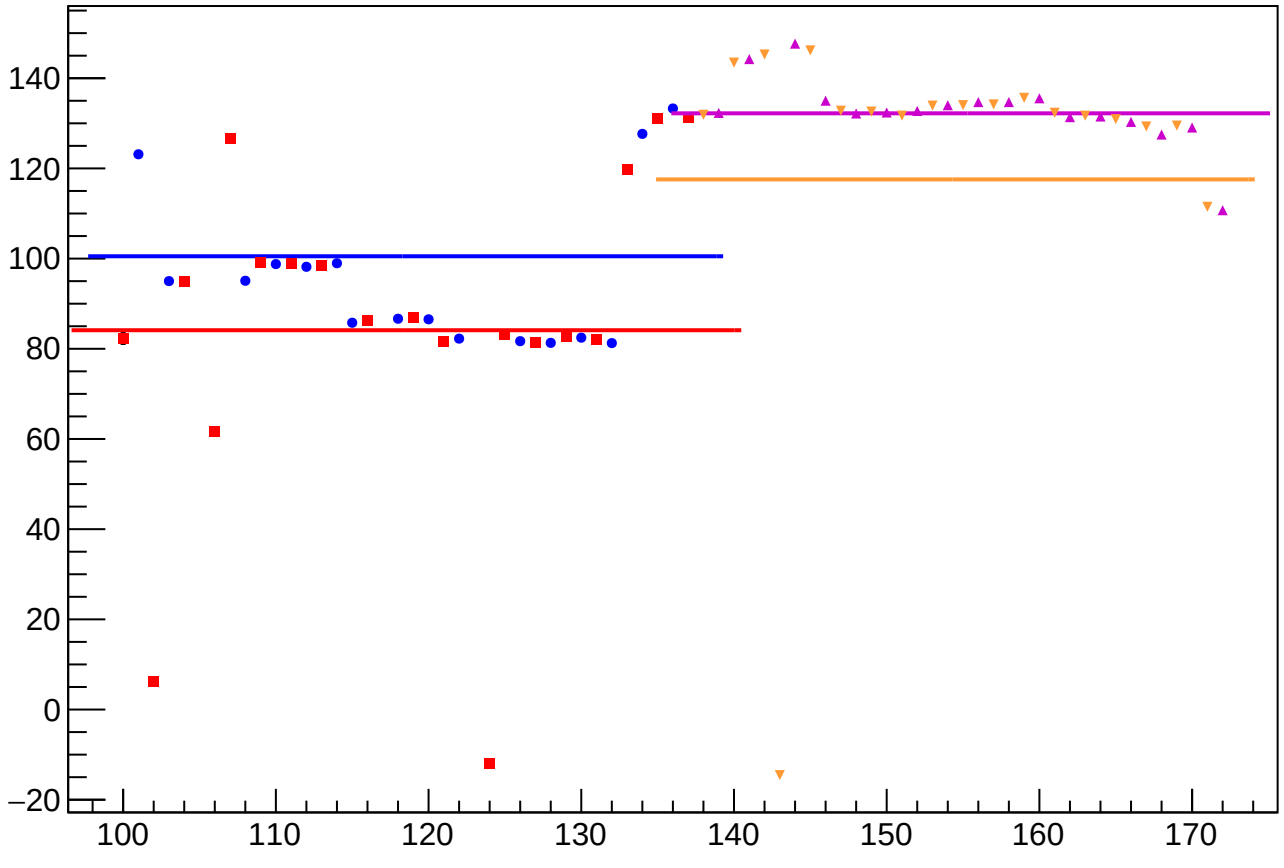
Left: -73.965+/-0.720 χ^2/NDF: 921.2/34

Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -73.370+/-0.782 χ^2/NDF:697.6/32

Out: -68.246+/-0.756 χ^2/NDF:1094.4/36

All: -70.721+/-0.544 χ^2/NDF: 1814.2/69



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 117.565+/-0.047 χ^2/NDF:938233.3/17

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 132.217+/-0.048 χ^2/NDF:26548.6/16

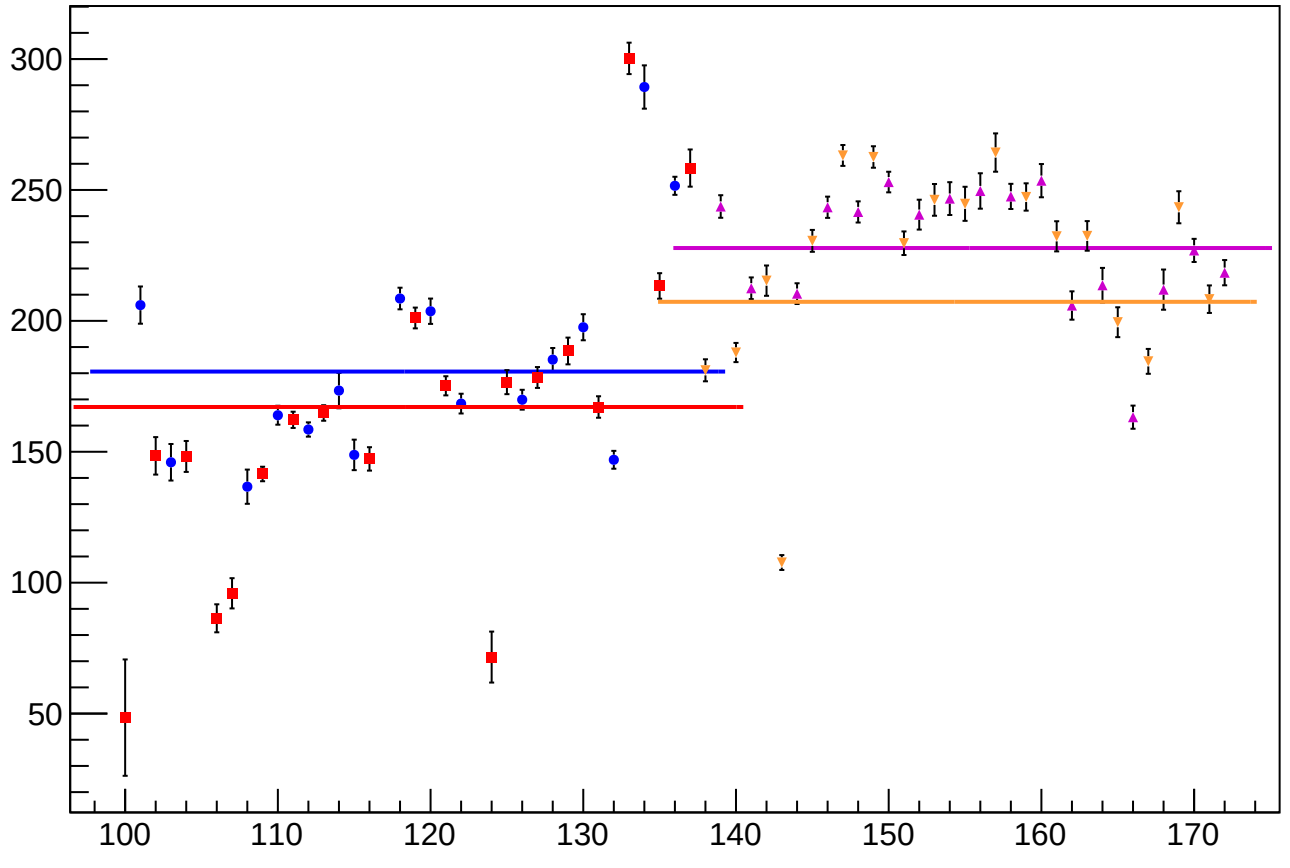
Left: 124.763+/-0.033 χ^2/NDF: 1012612.0/34

Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

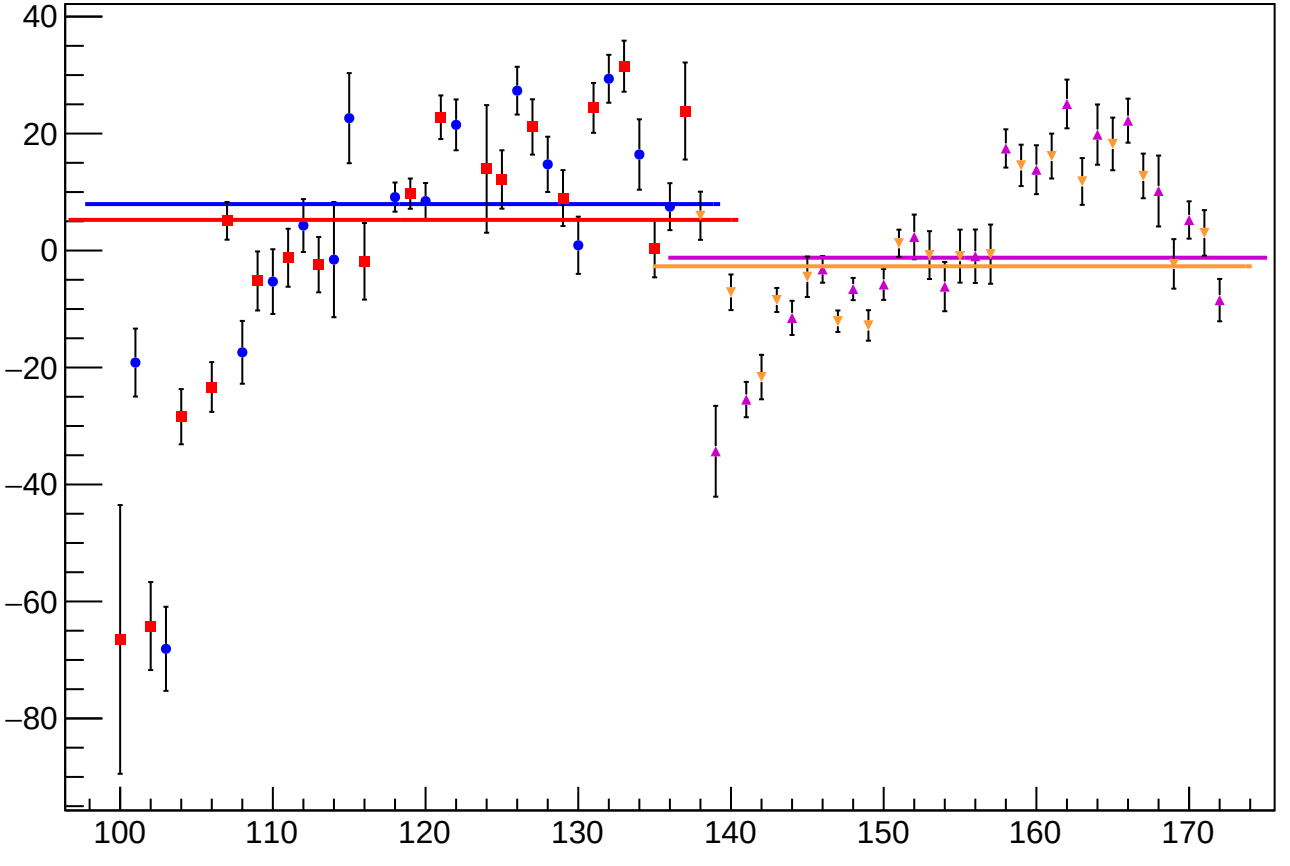
In: 122.882+/-0.040 χ^2/NDF:223609.8/32

Out: 107.021+/-0.039 χ^2/NDF:1361988.7/36

All: 114.694+/-0.028 χ^2/NDF: 1666203.9/69


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: 207.276+/-1.105 χ²/NDF:2022.5/17
Right Out: 167.102+/-1.021 χ²/NDF: 1484.6/18
Left In: 227.820+/-1.172 χ²/NDF:414.5/16
Left: 216.944+/-0.804 χ²/NDF: 2599.6/34
Right: 173.427+/-0.745 χ²/NDF: 2560.1/34
In: 202.510+/-0.798 χ²/NDF:2277.3/32
Out: 185.600+/-0.750 χ²/NDF:4220.2/36
All: 193.529+/-0.546 χ²/NDF: 6735.9/69

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: -2.692+/-0.749 χ^2/NDF:185.4/17

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -1.226+/-0.804 χ^2/NDF:261.3/16

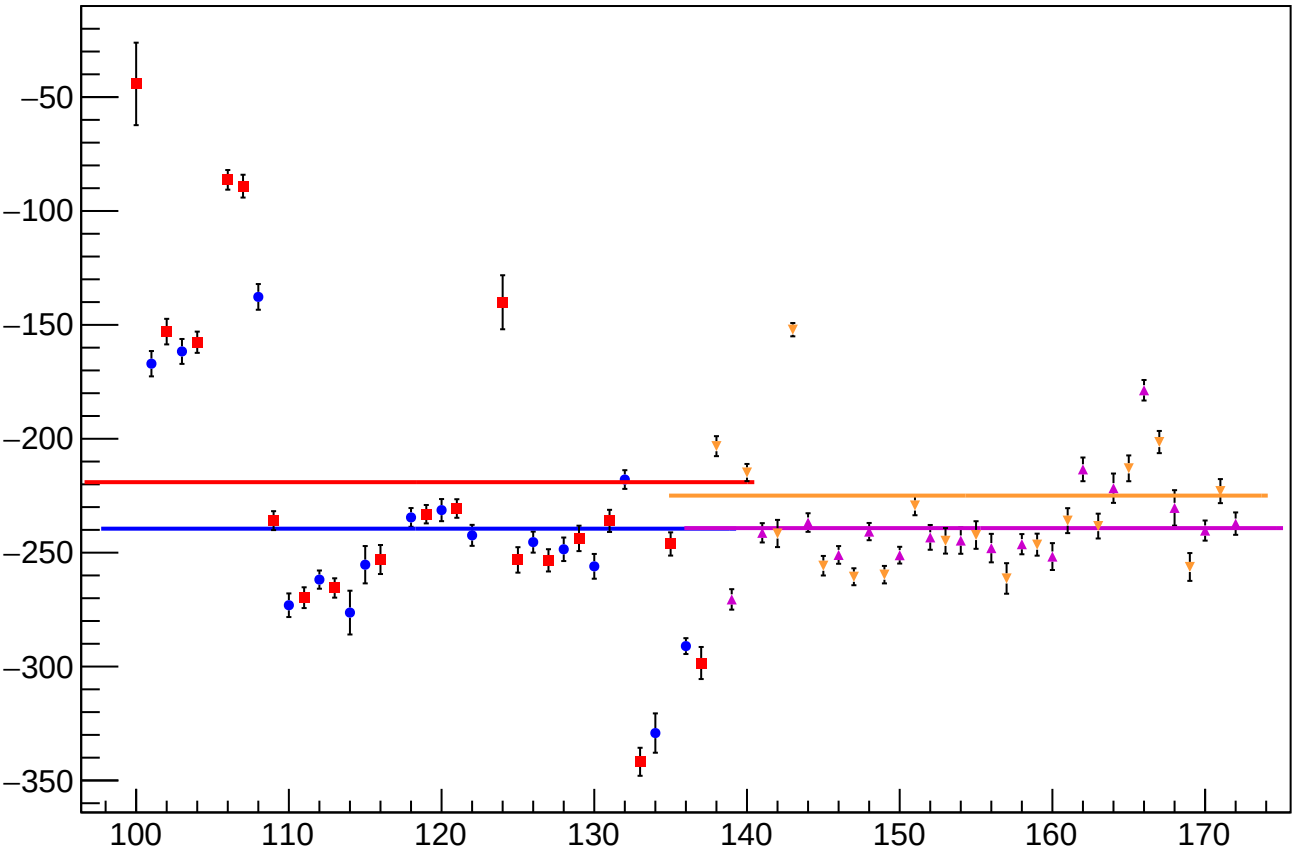
Left: -2.012+/-0.548 χ^2/NDF: 448.4/34

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 1.919+/-0.652 χ^2/NDF:538.7/32

Out: -0.057+/-0.612 χ^2/NDF:525.6/36

All: 0.869+/-0.446 χ^2/NDF: 1069.2/69



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -224.951+/-1.089 χ^2/NDF:1021.0/17

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -239.223+/-1.145 χ^2/NDF:293.1/16

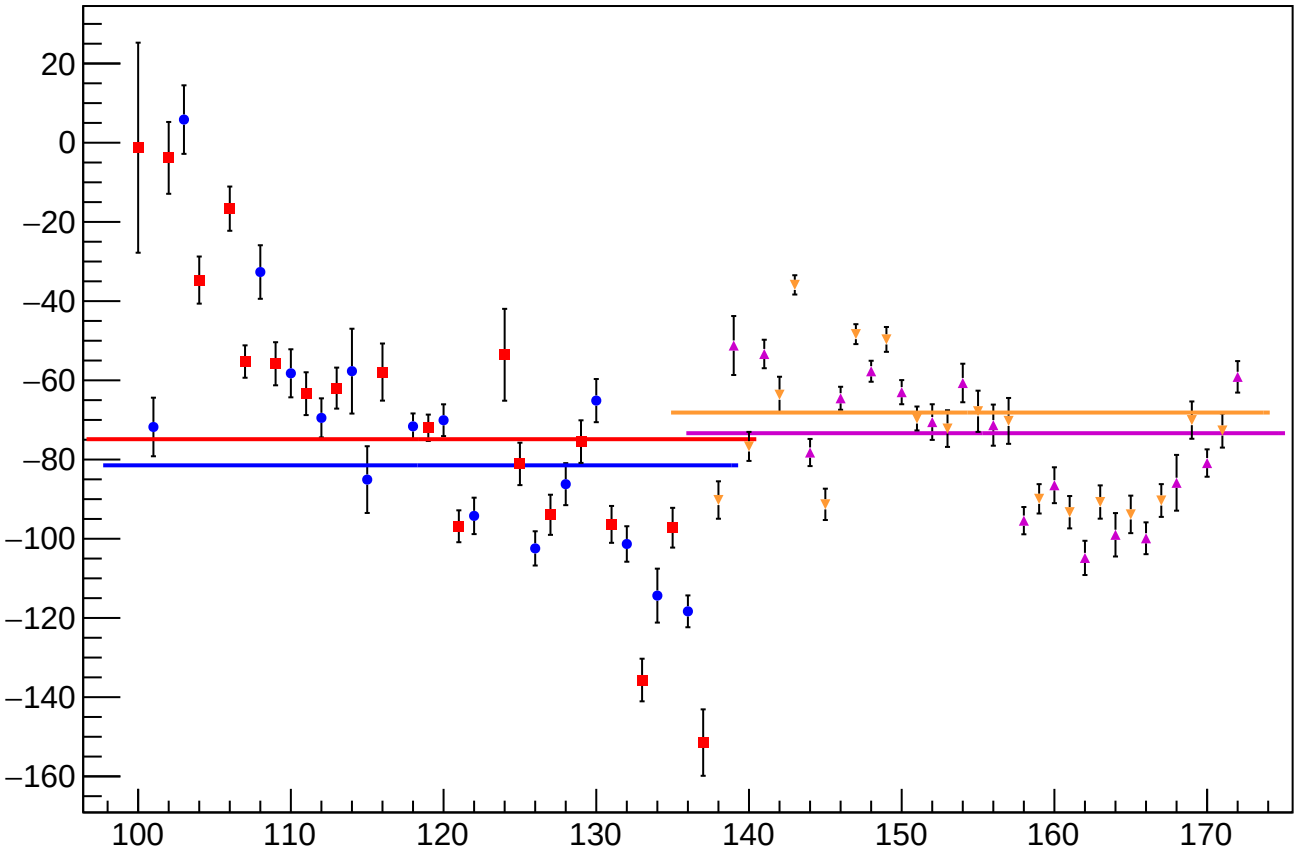
Left: -231.729+/-0.789 χ^2/NDF: 1395.8/34

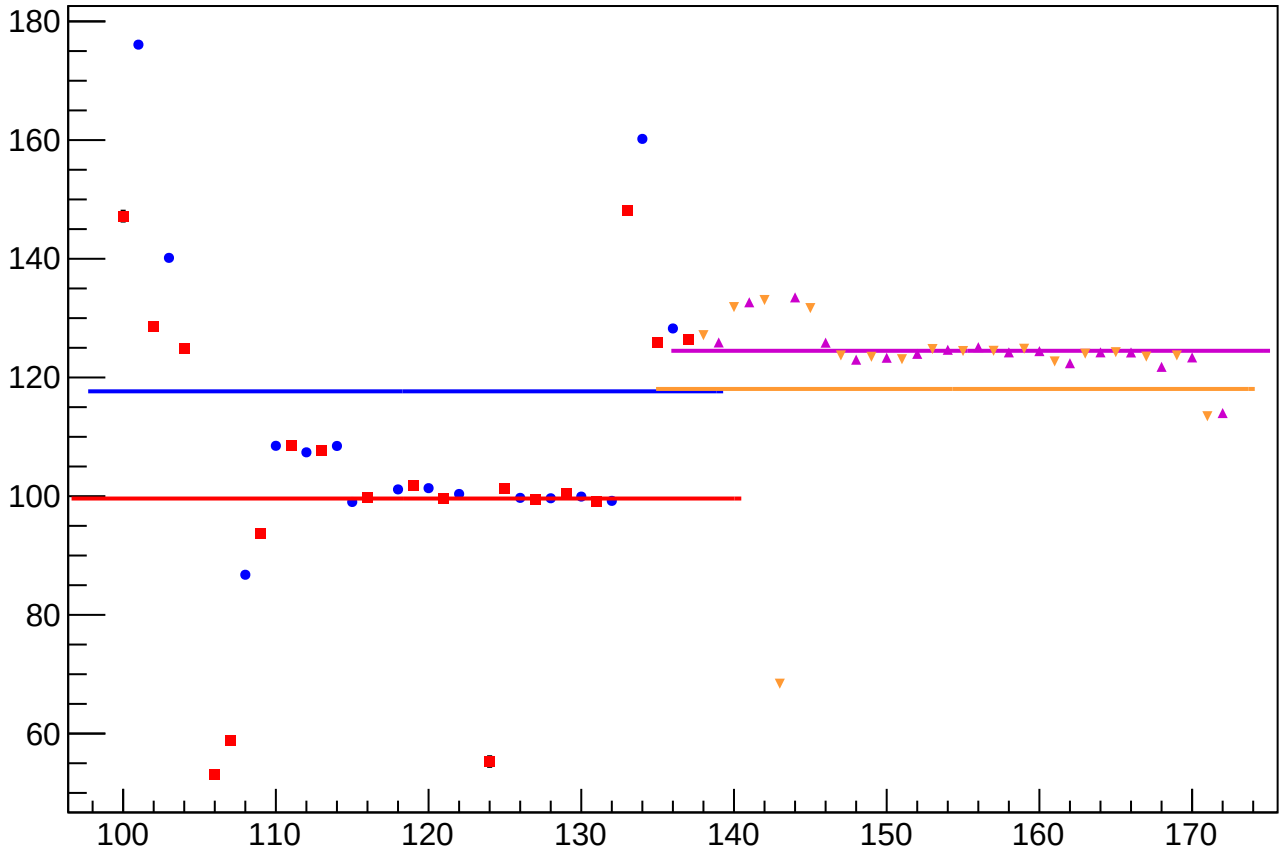
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -239.335+/-0.843 χ^2/NDF:1455.4/32

Out: -222.230+/-0.799 χ^2/NDF:4083.9/36

All: -230.327+/-0.580 χ^2/NDF: 5756.2/69


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
150
160
170
Right In: -81.462+/-1.287 χ2/NDF: 366.5/15
Left Out: -68.136+/-0.886 χ2/NDF:496.4/17
Right Out: -74.861+/-1.230 χ2/NDF: 576.6/18
Left In: -73.347+/-0.942 χ2/NDF:293.6/16
Left: -70.582+/-0.645 χ2/NDF: 806.2/34
Right: -78.013+/-0.889 χ2/NDF: 956.9/34
In: -76.179+/-0.760 χ2/NDF:686.0/32
Out: -70.433+/-0.719 χ2/NDF:1092.7/36
All: -73.145+/-0.522 χ2/NDF: 1808.8/69



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 118.068+/-0.042 χ^2/NDF:198758.7/17

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 124.495+/-0.043 χ^2/NDF:9117.7/16

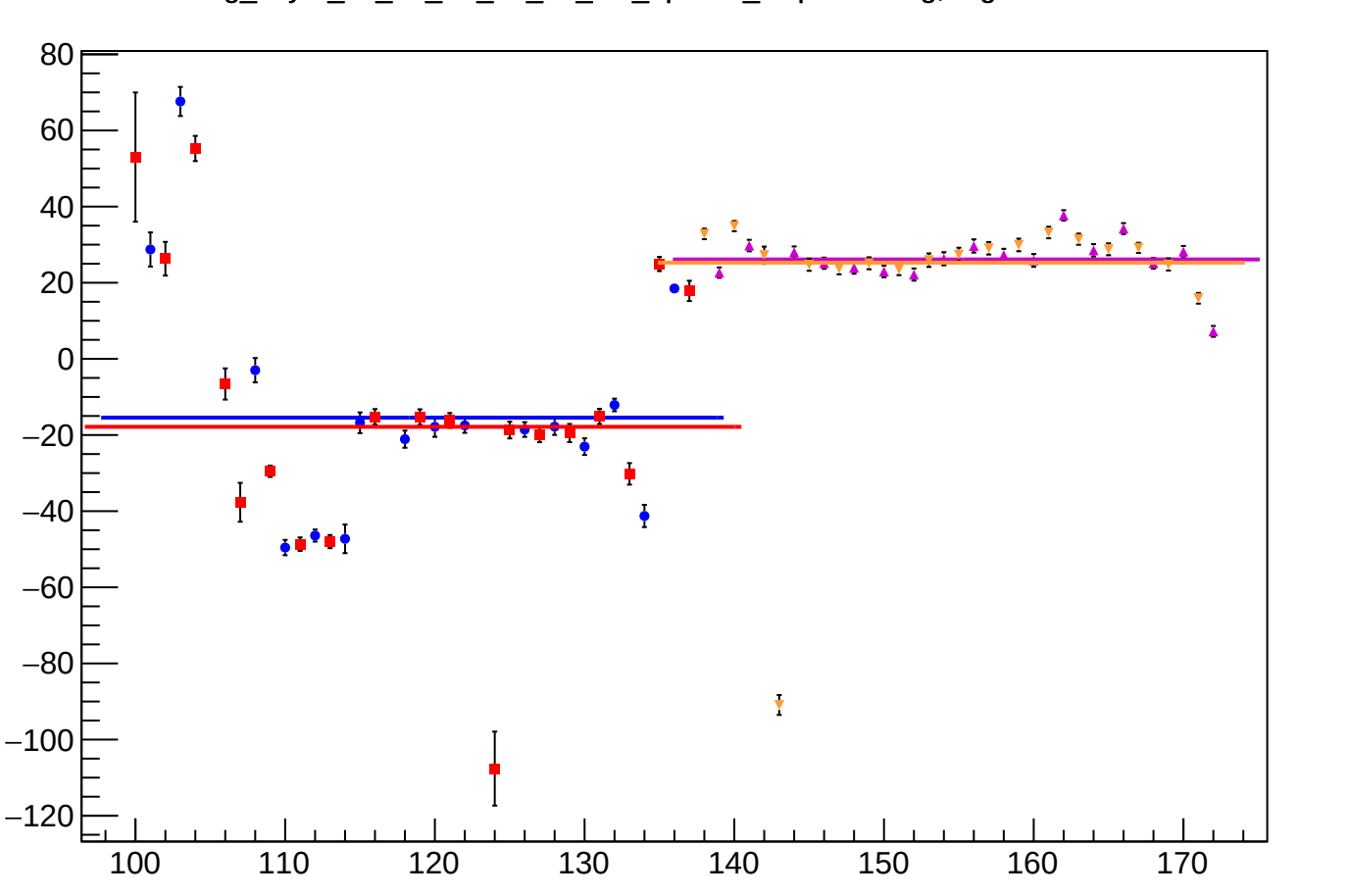
Left: 121.191+/-0.030 χ^2/NDF: 219176.8/34

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

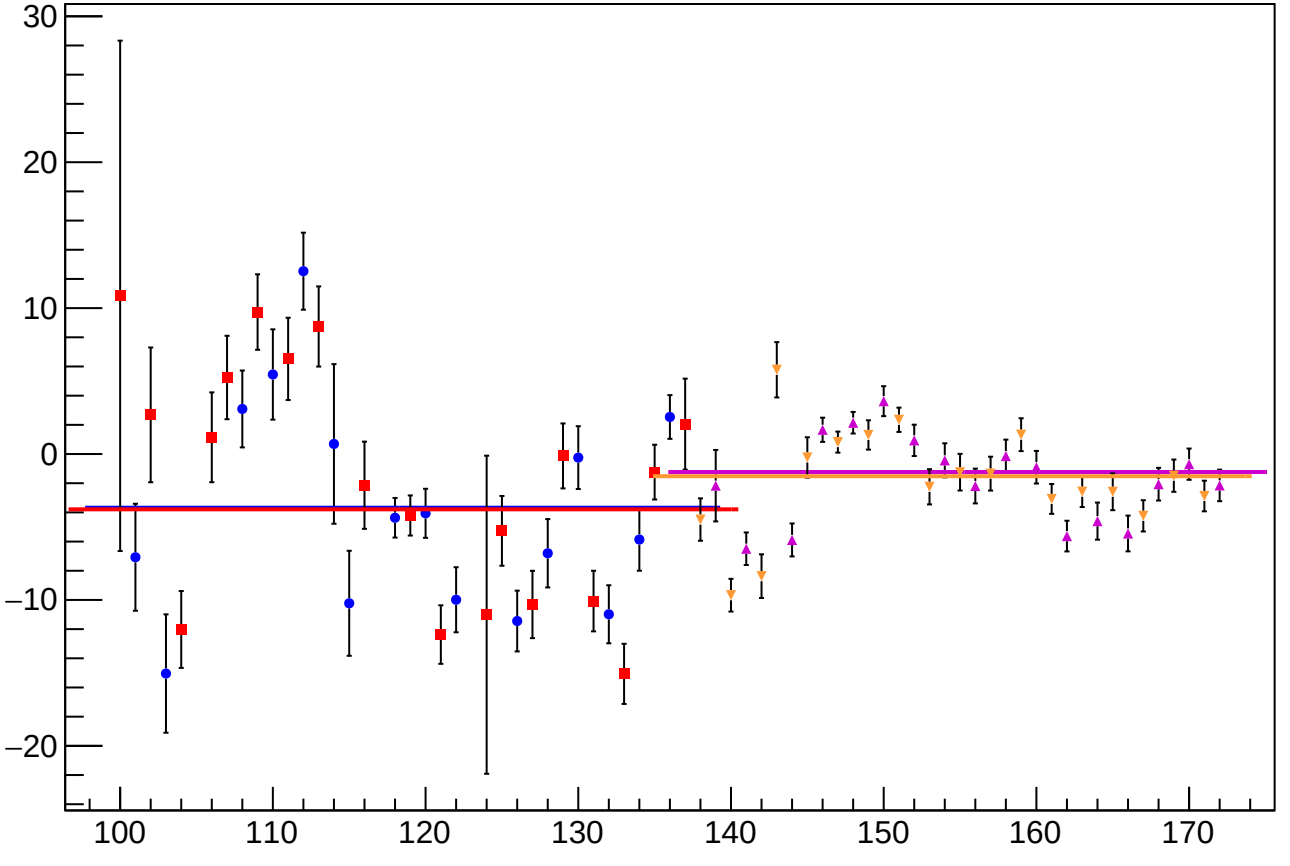
In: 122.892+/-0.038 χ^2/NDF:110342.9/32

Out: 113.188+/-0.036 χ^2/NDF:415739.0/36

All: 117.807+/-0.026 χ^2/NDF: 560395.7/69


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: 25.274+/-0.374 χ²/NDF:2179.2/17
Right Out: -17.848+/-0.530 χ²/NDF: 2125.2/18
Left In: 26.119+/-0.369 χ²/NDF:315.9/16
Left: 25.702+/-0.263 χ²/NDF: 2497.7/34
Right: -16.664+/-0.378 χ²/NDF: 4259.6/34
In: 12.839+/-0.305 χ²/NDF:6484.3/32
Out: 10.904+/-0.306 χ²/NDF:8724.4/36
All: 11.875+/-0.216 χ²/NDF: 15228.8/69

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: -1.521+/-0.260 χ^2/NDF:152.6/17

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: -1.377+/-0.184 χ^2/NDF: 292.0/34

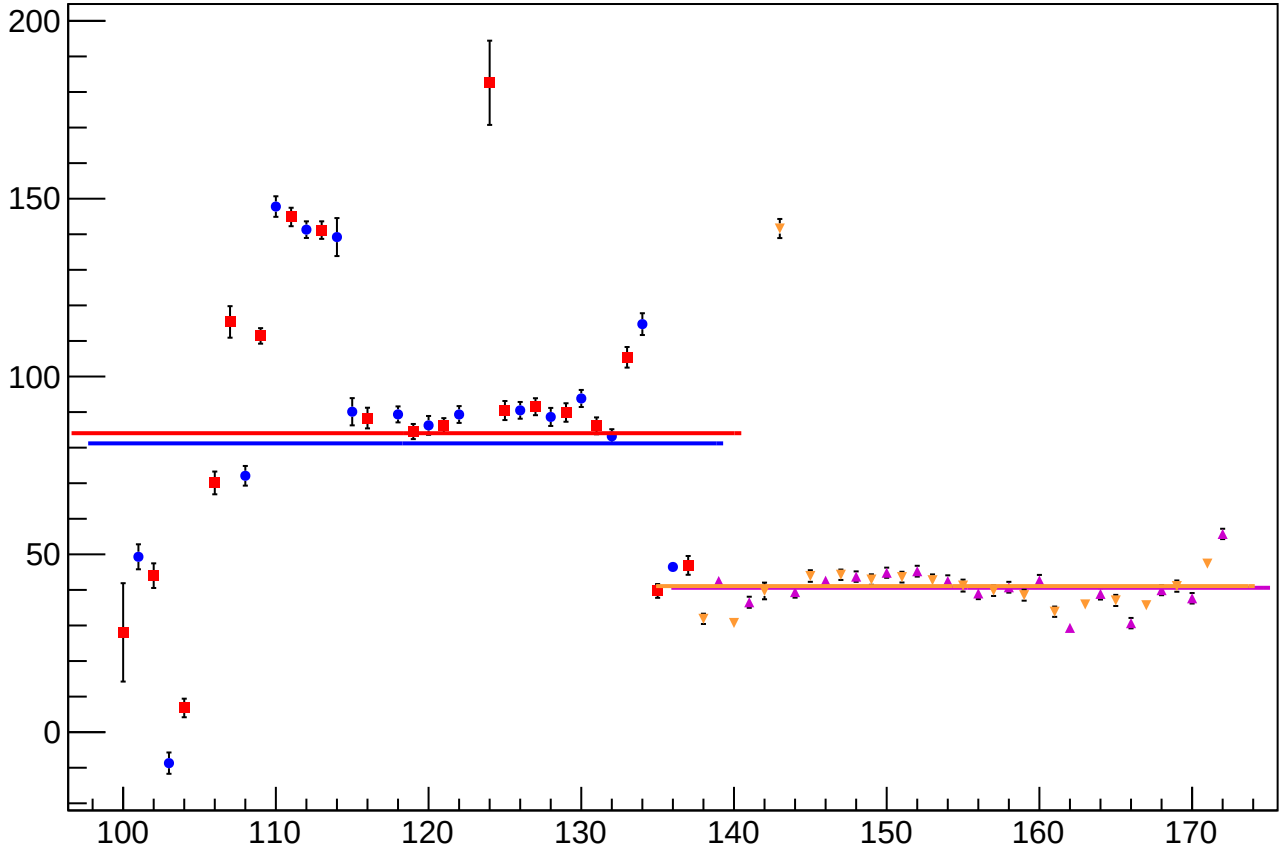
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.681+/-0.237 χ^2/NDF:278.8/32

Out: -1.919+/-0.236 χ^2/NDF:327.2/36

All: -1.800+/-0.167 χ^2/NDF: 606.5/69

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.072+/-0.366 χ^2/NDF:1594.5/17

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: 40.831+/-0.257 χ^2/NDF: 1867.6/34

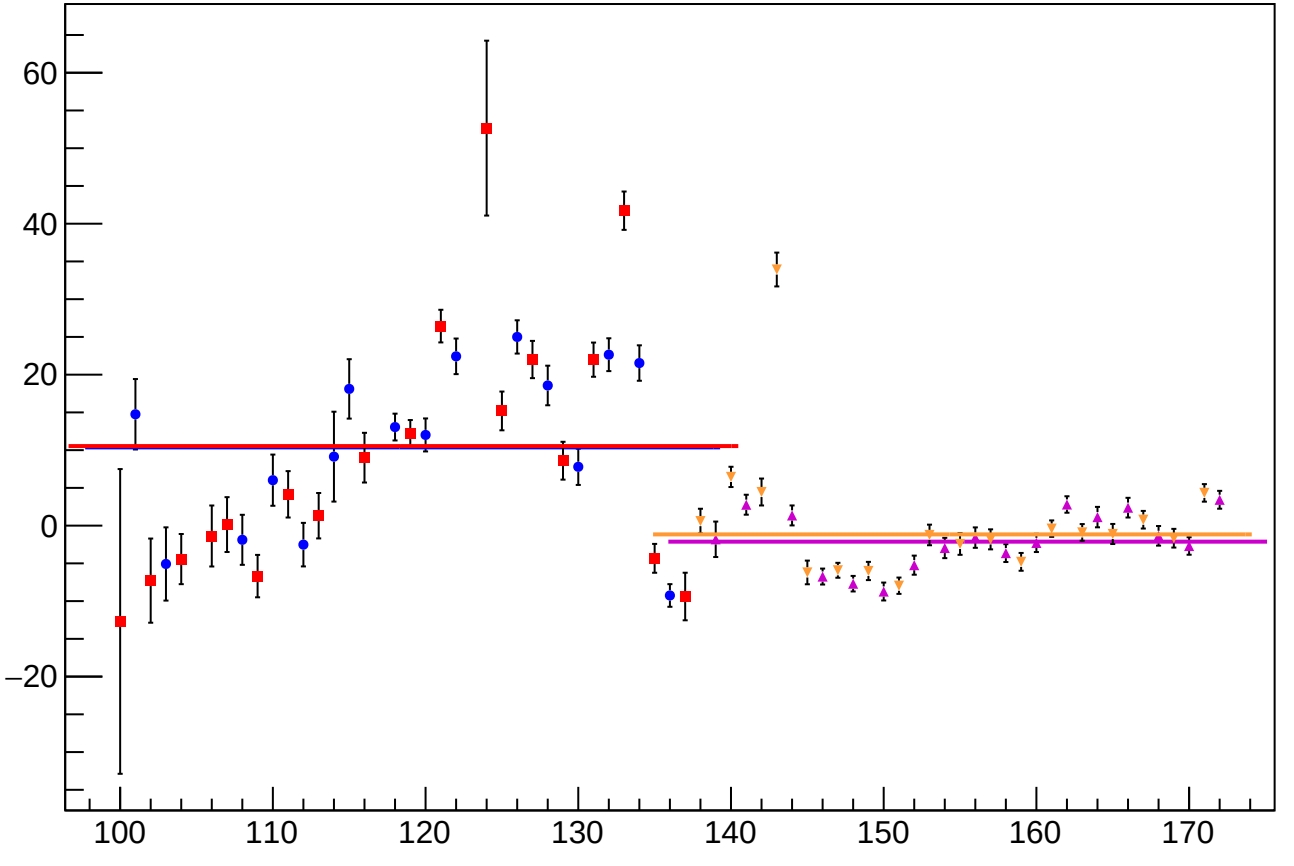
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 51.193+/-0.310 χ^2/NDF:6809.5/32

Out: 52.279+/-0.315 χ^2/NDF:8399.1/36

All: 51.728+/-0.221 χ^2/NDF: 15214.7/69

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -1.162+/-0.300 χ^2/NDF:414.0/17

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -2.124+/-0.301 χ^2/NDF:168.9/16

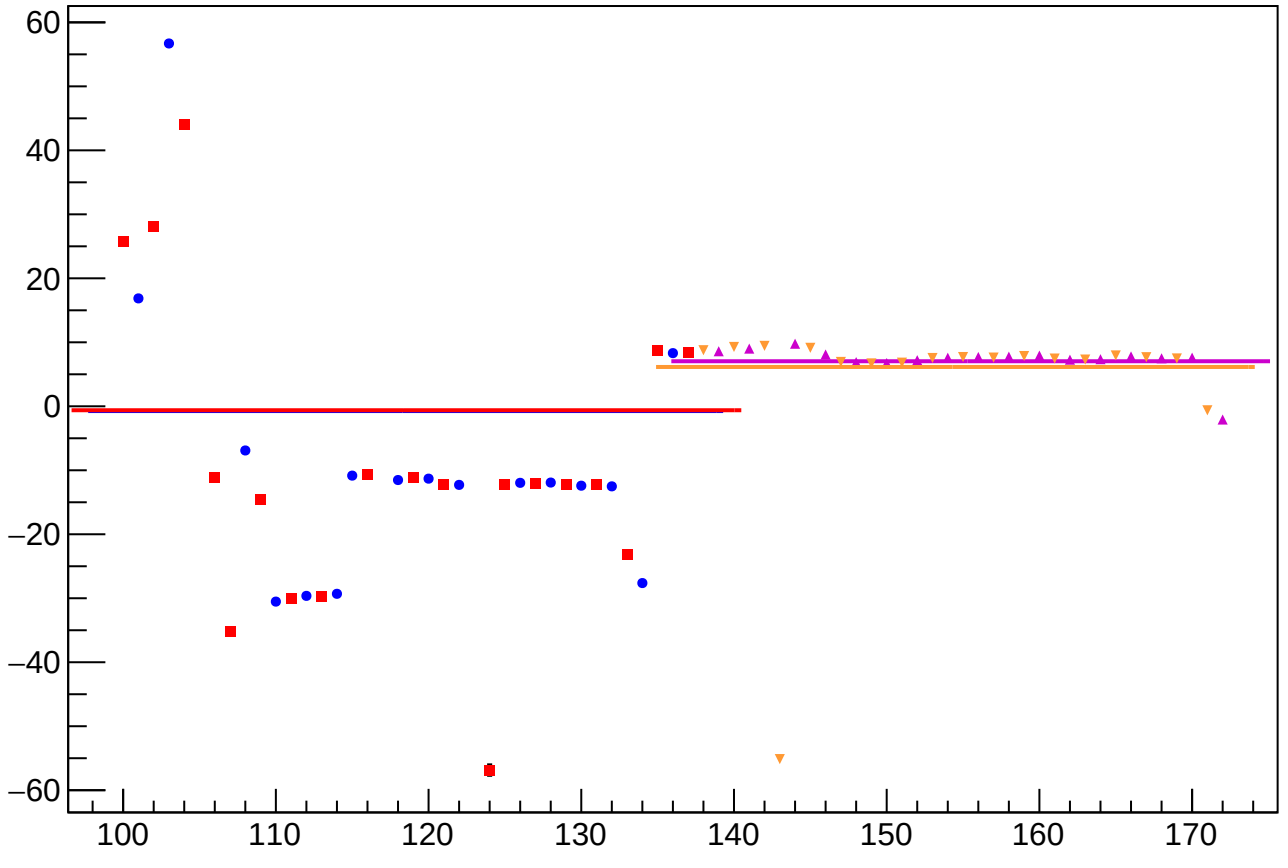
Left: -1.642+/-0.213 χ^2/NDF: 588.1/34

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 0.220+/-0.271 χ^2/NDF:851.6/32

Out: 0.950+/-0.272 χ^2/NDF:1158.5/36

All: 0.584+/-0.192 χ^2/NDF: 2013.7/69



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.144+/-0.014 χ^2/NDF:336472.5/17

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.040+/-0.013 χ^2/NDF:38525.2/16

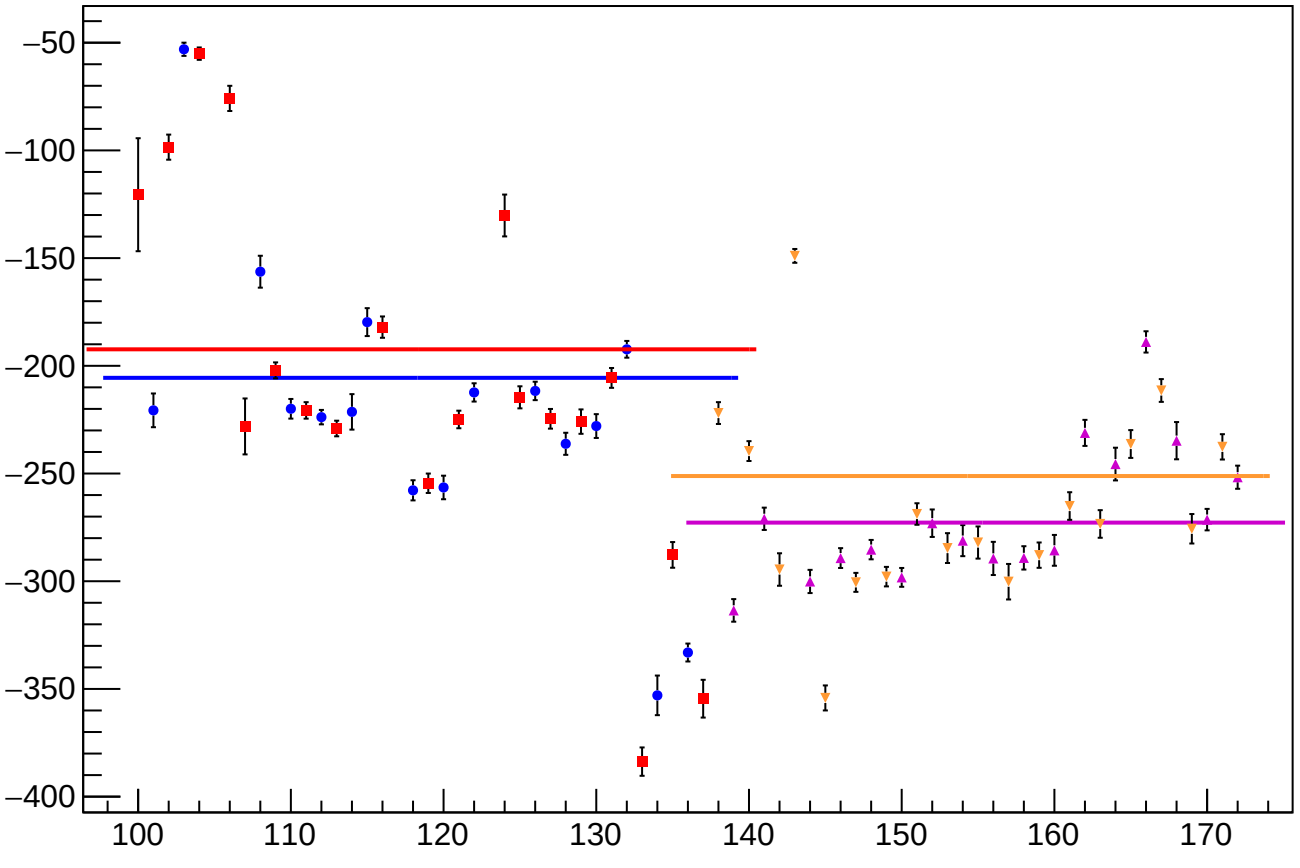
Left: 6.600+/-0.010 χ^2/NDF: 377212.7/34

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.095+/-0.012 χ^2/NDF:447881.9/32

Out: 5.353+/-0.013 χ^2/NDF:681938.0/36

All: 5.732+/-0.009 χ^2/NDF: 1131545.5/69



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -251.168+/-1.278 χ^2/NDF:1858.2/17

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: -261.354+/-0.930 χ^2/NDF: 2535.2/34

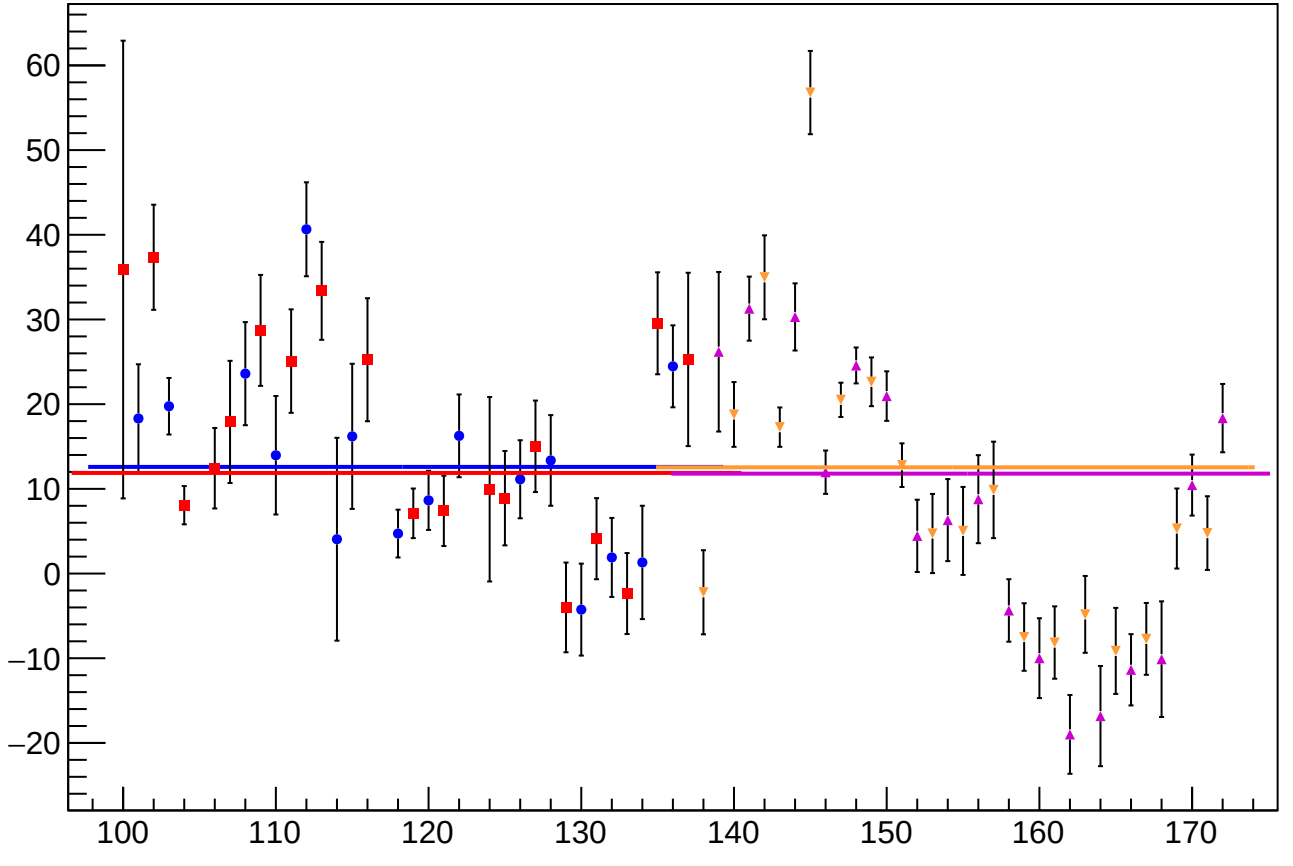
Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -234.714+/-0.892 χ^2/NDF:5993.5/32

Out: -217.958+/-0.843 χ^2/NDF:8023.8/36

All: -225.871+/-0.613 χ^2/NDF: 14203.7/69

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.592+/-1.203 χ^2/NDF: 68.5/15

Left Out: 12.544+/-0.856 χ^2/NDF:260.0/17

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: 12.198+/-0.627 χ^2/NDF: 512.8/34

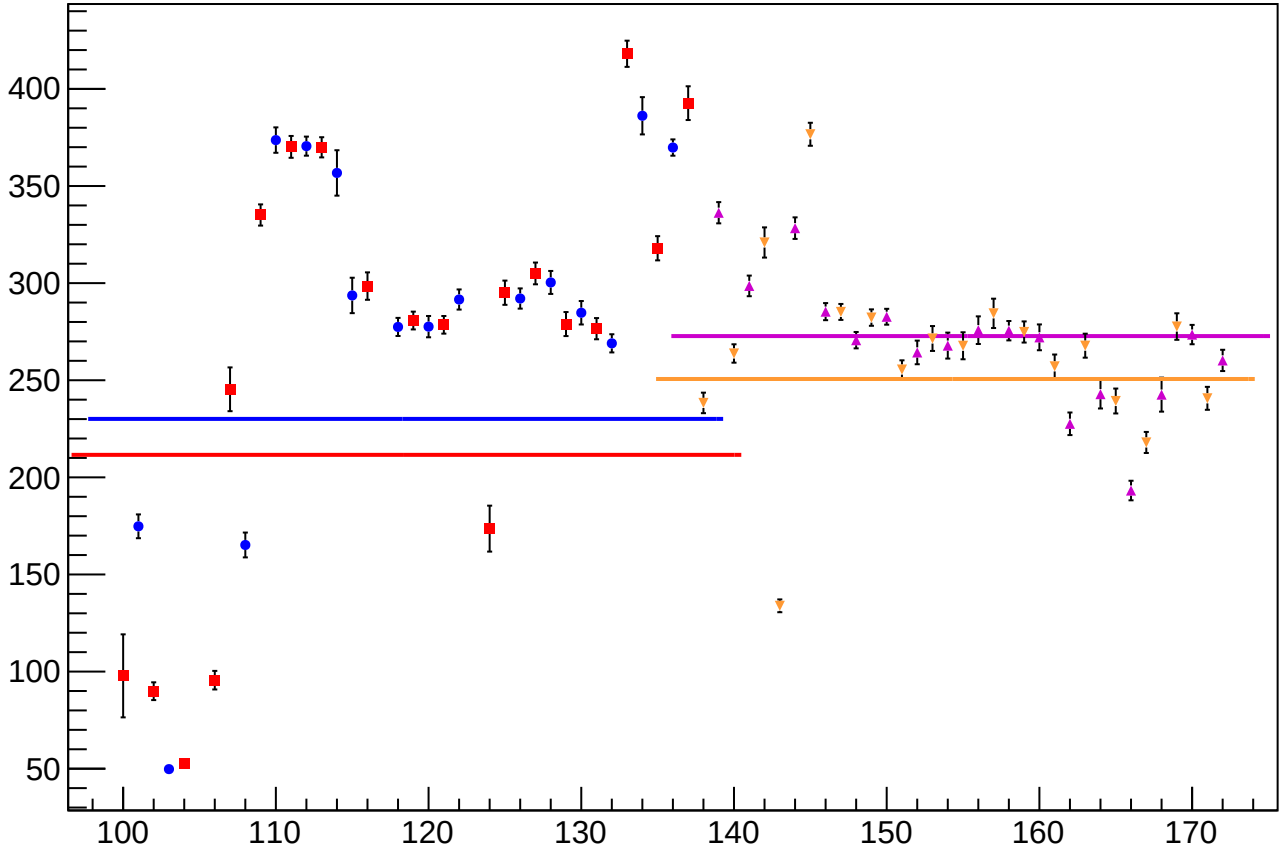
Right: 12.211+/-0.820 χ^2/NDF: 153.6/34

In: 12.091+/-0.731 χ^2/NDF:321.2/32

Out: 12.299+/-0.681 χ^2/NDF:345.2/36

All: 12.203+/-0.498 χ^2/NDF: 666.4/69

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: 250.646+/-1.255 χ^2/NDF:2051.5/17

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: 261.147+/-0.909 χ^2/NDF: 2818.0/34

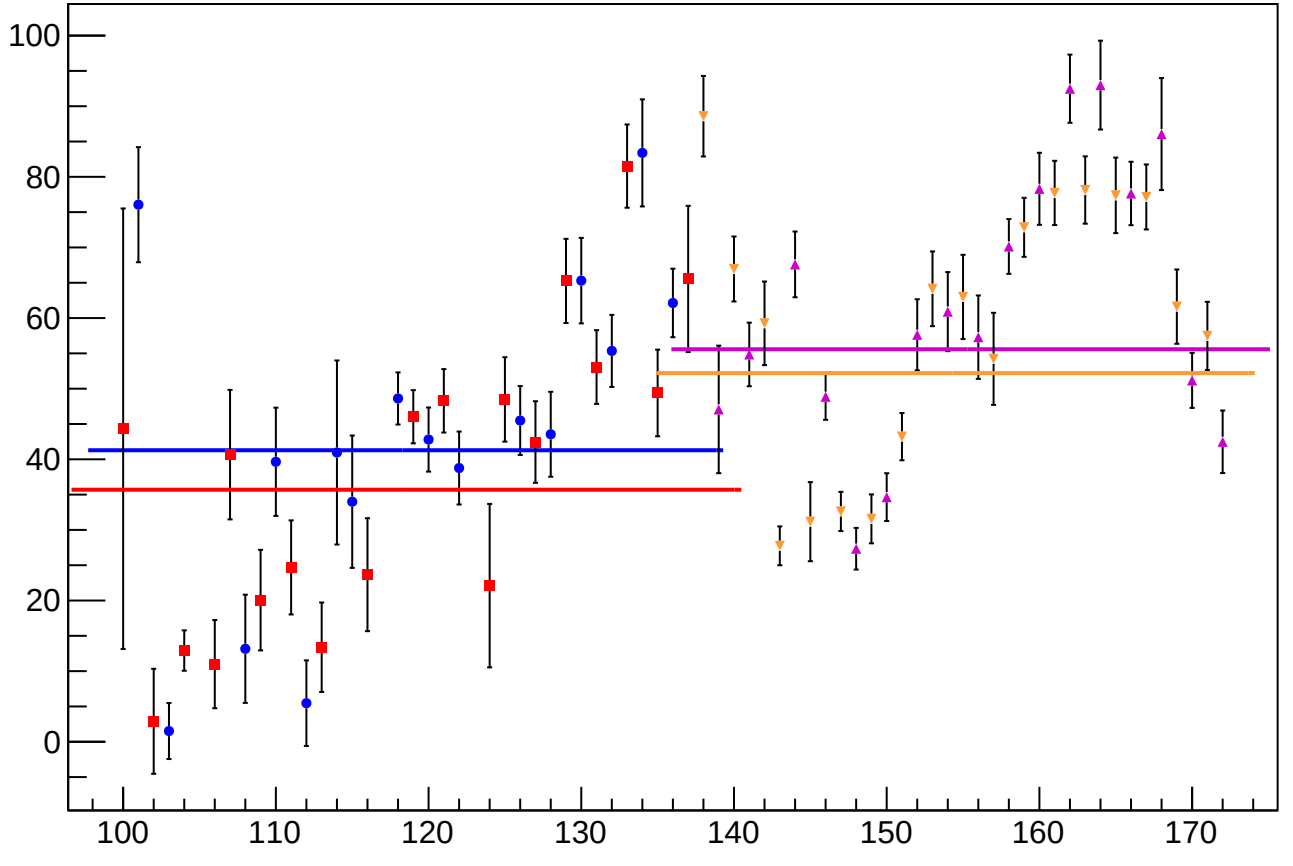
Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 250.441+/-0.911 χ^2/NDF:10541.7/32

Out: 230.165+/-0.866 χ^2/NDF:14031.5/36

All: 239.787+/-0.627 χ^2/NDF: 24833.6/69

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 52.209+/-1.015 χ^2/NDF:388.0/17

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 55.584+/-1.079 χ^2/NDF:319.5/16

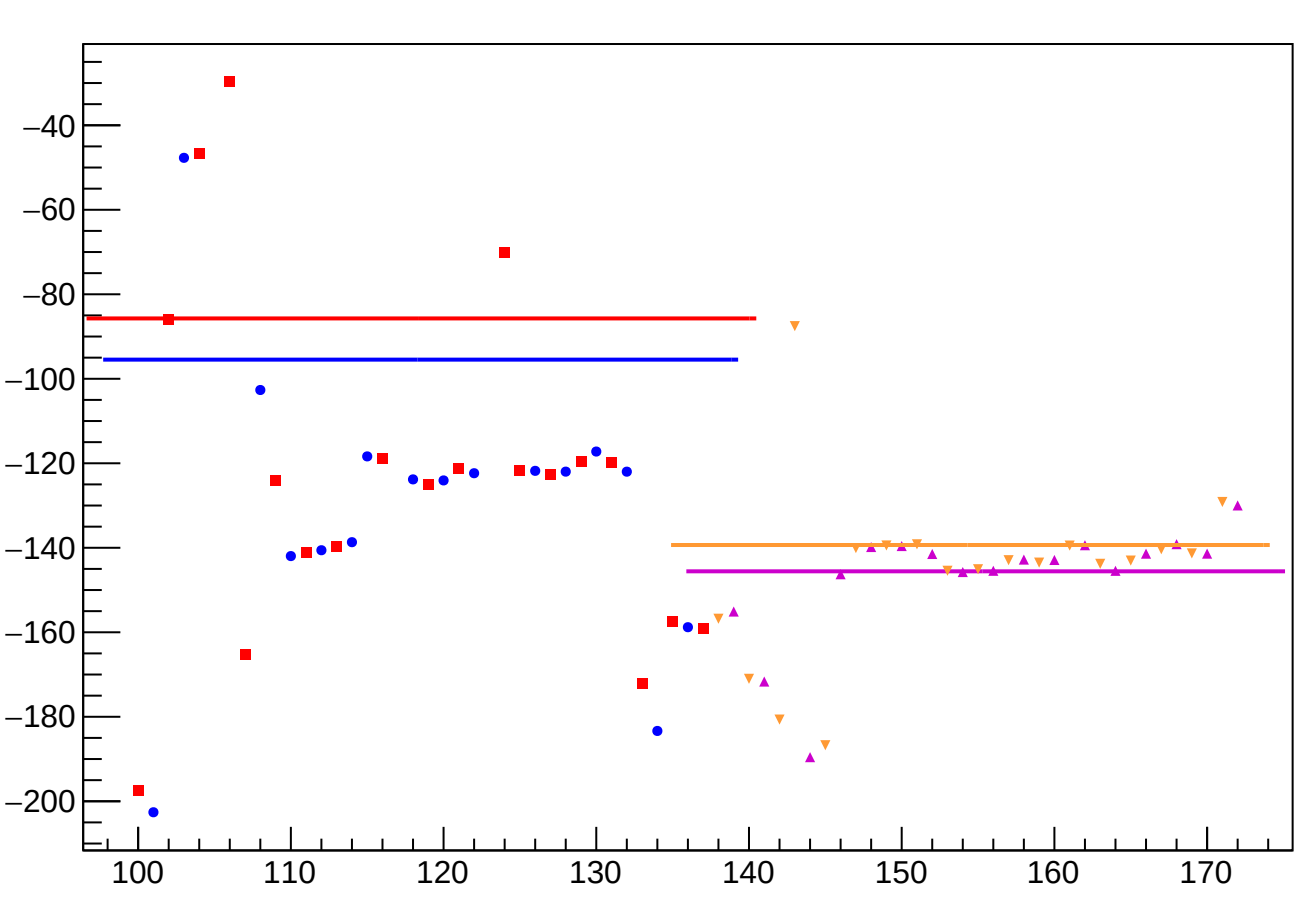
Left: 53.793+/-0.739 χ^2/NDF: 712.7/34

Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 50.242+/-0.854 χ^2/NDF:630.9/32

Out: 46.057+/-0.804 χ^2/NDF:739.9/36

All: 48.023+/-0.585 χ^2/NDF: 1383.5/69



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -139.344+/-0.048 χ^2/NDF:234321.4/17

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: -142.375+/-0.035 χ^2/NDF: 302727.9/34

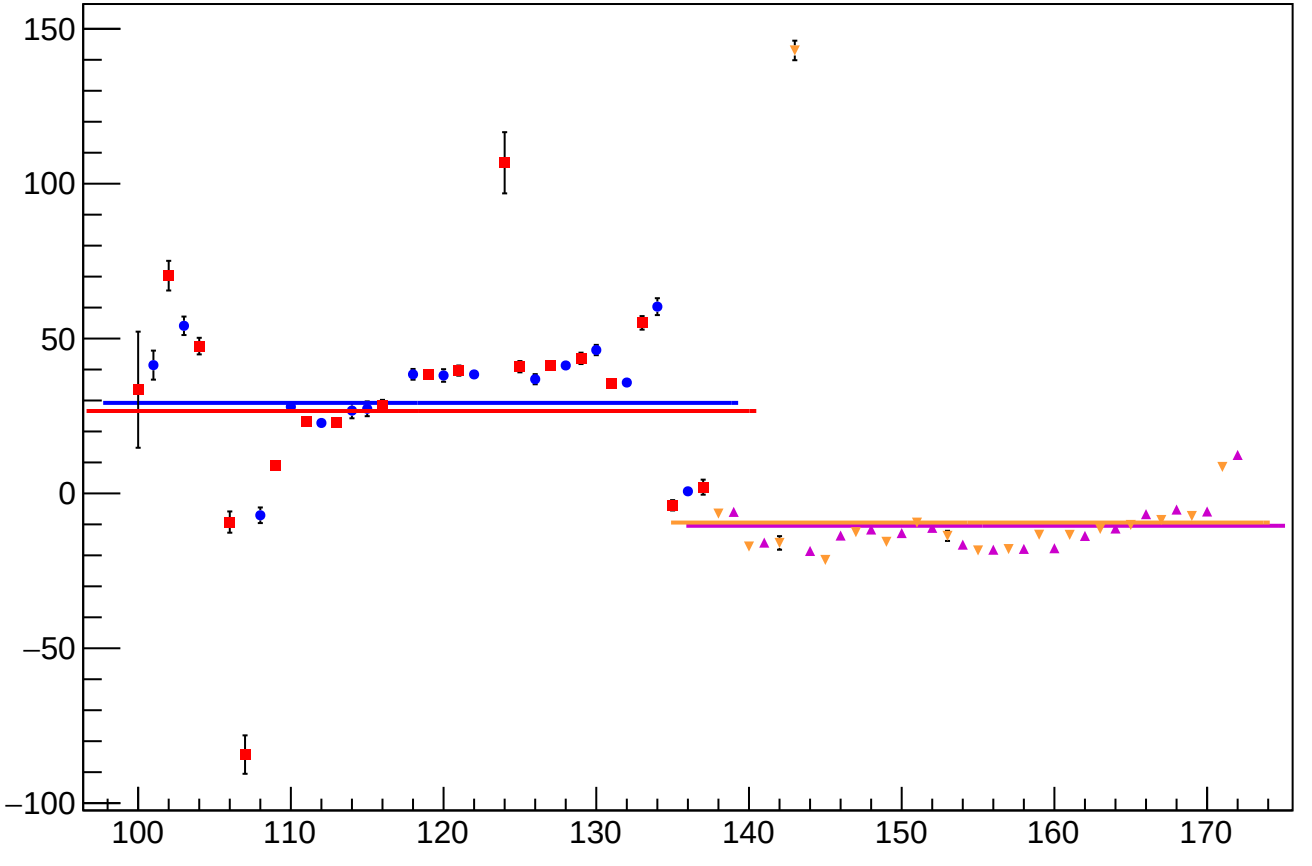
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -128.575+/-0.040 χ^2/NDF:924206.2/32

Out: -120.905+/-0.039 χ^2/NDF:1137944.7/36

All: -124.625+/-0.028 χ^2/NDF: 2080664.0/69

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: -9.410+/-0.351 χ^2/NDF:2741.9/17

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: -9.939+/-0.246 χ^2/NDF: 3231.8/34

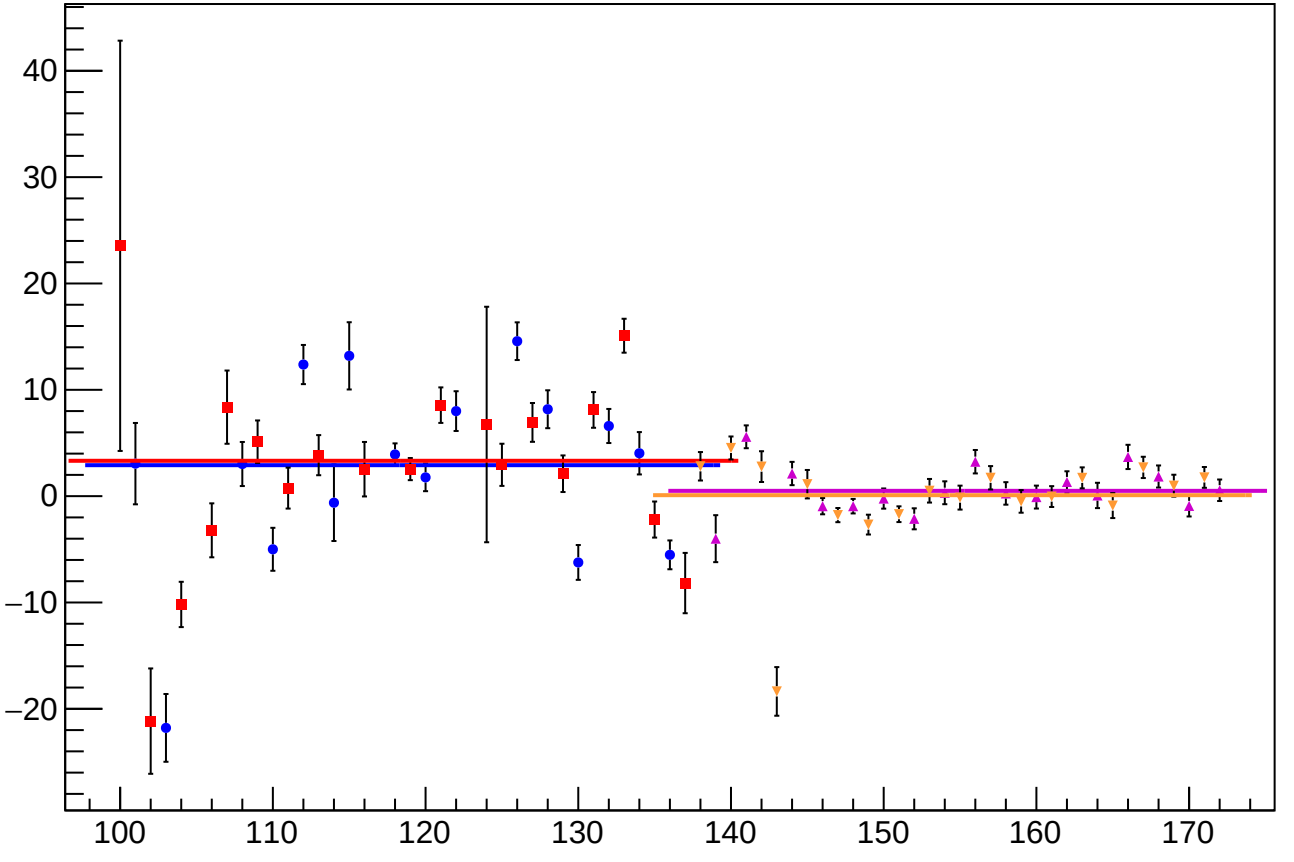
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.332+/-0.268 χ^2/NDF:7095.8/32

Out: 5.633+/-0.268 χ^2/NDF:9068.8/36

All: 5.482+/-0.189 χ^2/NDF: 16165.3/69

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: 0.092+/-0.243 χ^2/NDF:129.4/17

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.499+/-0.245 χ^2/NDF:63.3/16

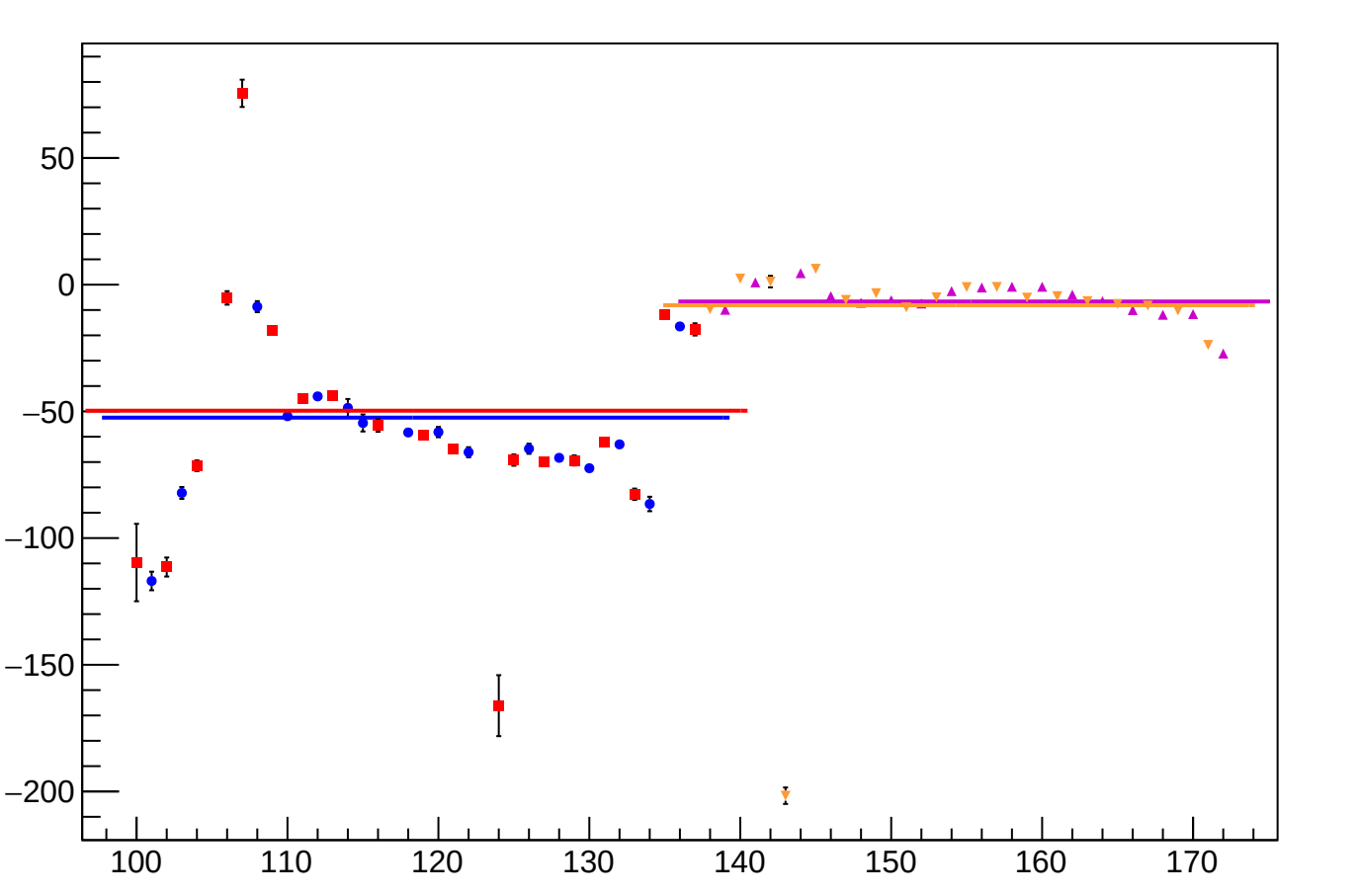
Left: 0.294+/-0.172 χ^2/NDF: 194.1/34

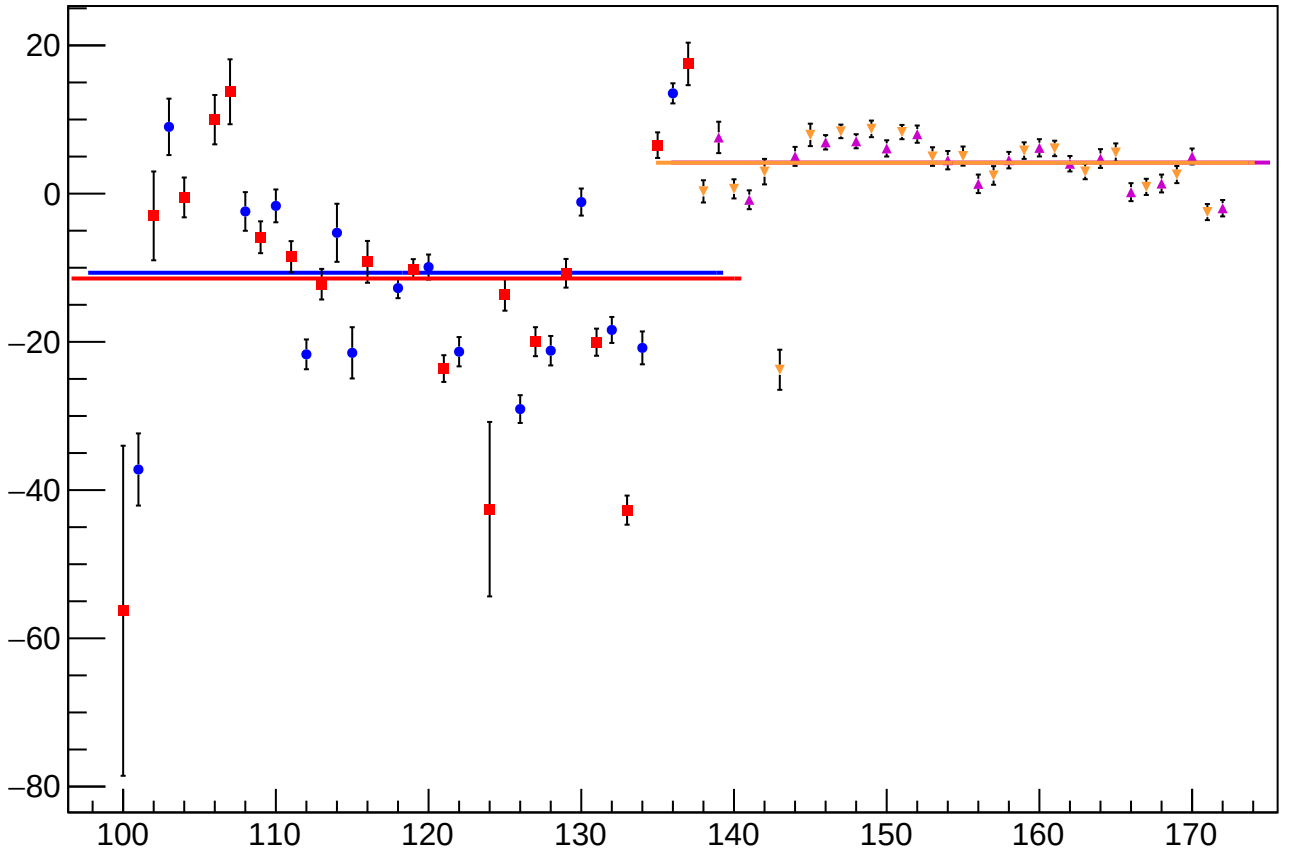
Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

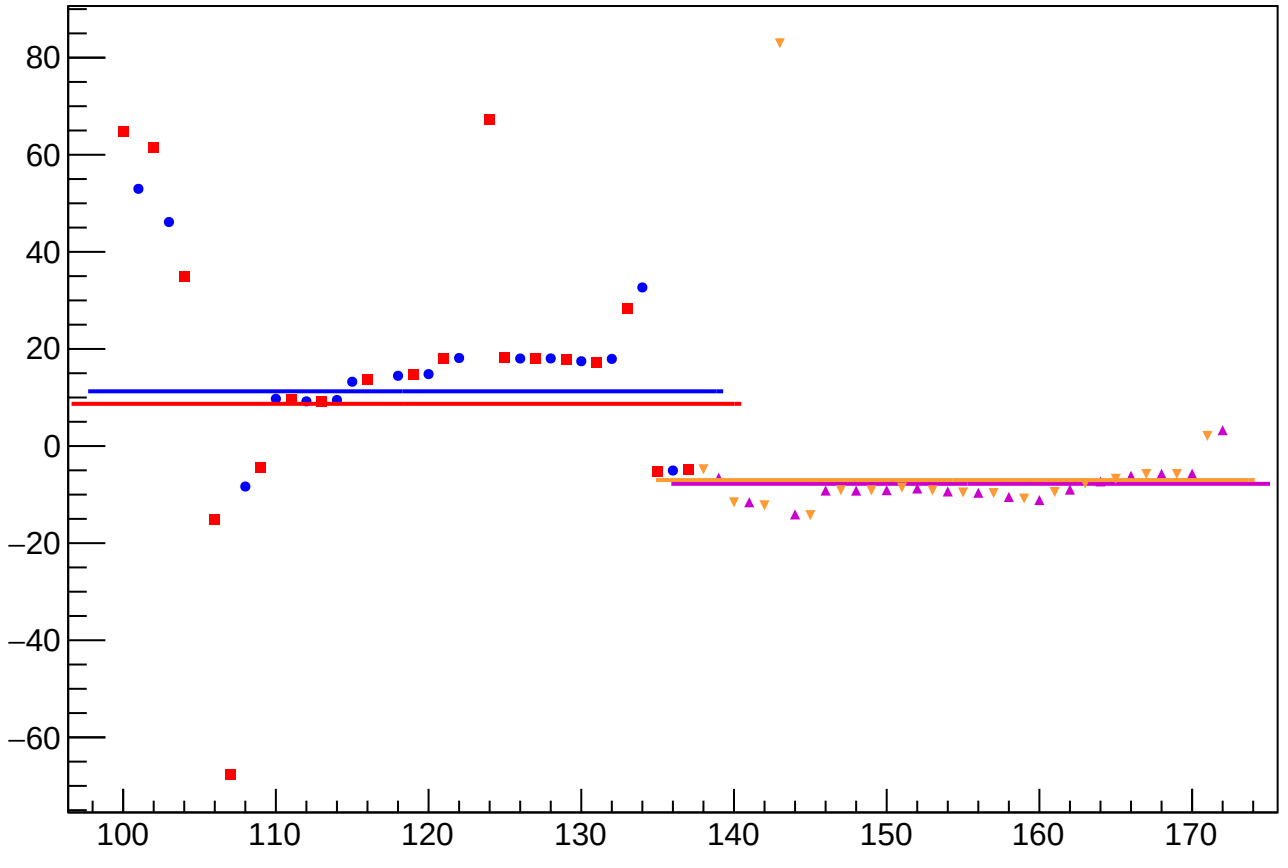
In: 1.064+/-0.214 χ^2/NDF:336.1/32

Out: 0.812+/-0.214 χ^2/NDF:350.7/36

All: 0.938+/-0.151 χ^2/NDF: 687.5/69


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
Right In: -52.467+/-0.488 χ²/NDF: 2330.2/15
Left Out: -8.113+/-0.342 χ²/NDF:3946.1/17
Right Out: -49.734+/-0.494 χ²/NDF: 3009.7/18
Left In: -6.641+/-0.337 χ²/NDF:411.2/16
Left: -7.364+/-0.240 χ²/NDF: 4366.8/34
Right: -51.118+/-0.347 χ²/NDF: 5355.4/34
In: -21.427+/-0.277 χ²/NDF:8719.9/32
Out: -21.619+/-0.281 χ²/NDF:11750.0/36
All: -21.522+/-0.197 χ²/NDF: 20470.1/69


reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: -10.675+/-0.505 χ²/NDF: 666.4/15
Left Out: 4.171+/-0.281 χ²/NDF:243.5/17
Right Out: -11.450+/-0.516 χ²/NDF: 665.7/18
Left In: 4.191+/-0.282 χ²/NDF:105.9/16
Left: 4.181+/-0.199 χ²/NDF: 349.4/34
Right: -11.054+/-0.361 χ²/NDF: 1333.3/34
In: 0.670+/-0.246 χ²/NDF:1432.4/32
Out: 0.597+/-0.247 χ²/NDF:1615.9/36
All: 0.634+/-0.174 χ²/NDF: 3048.3/69



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.008+/-0.013 χ^2/NDF:531289.9/17

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -7.777+/-0.012 χ^2/NDF:87330.7/16

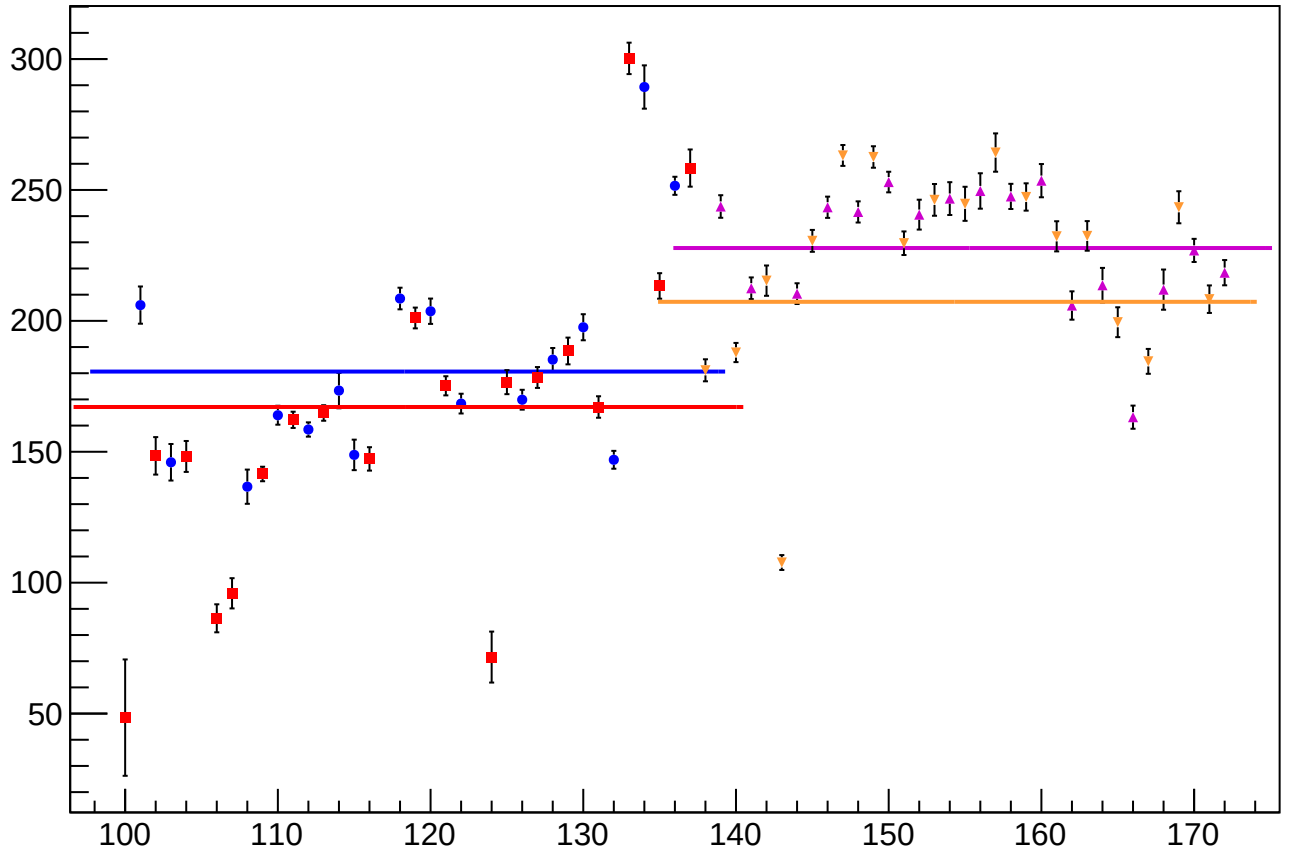
Left: -7.401+/-0.009 χ^2/NDF: 620493.7/34

Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -4.973+/-0.011 χ^2/NDF:782504.4/32

Out: -4.806+/-0.012 χ^2/NDF:1182269.6/36

All: -4.892+/-0.008 χ^2/NDF: 1964877.9/69



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 207.276+/-1.105 χ^2/NDF:2022.5/17

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: 216.944+/-0.804 χ^2/NDF: 2599.6/34

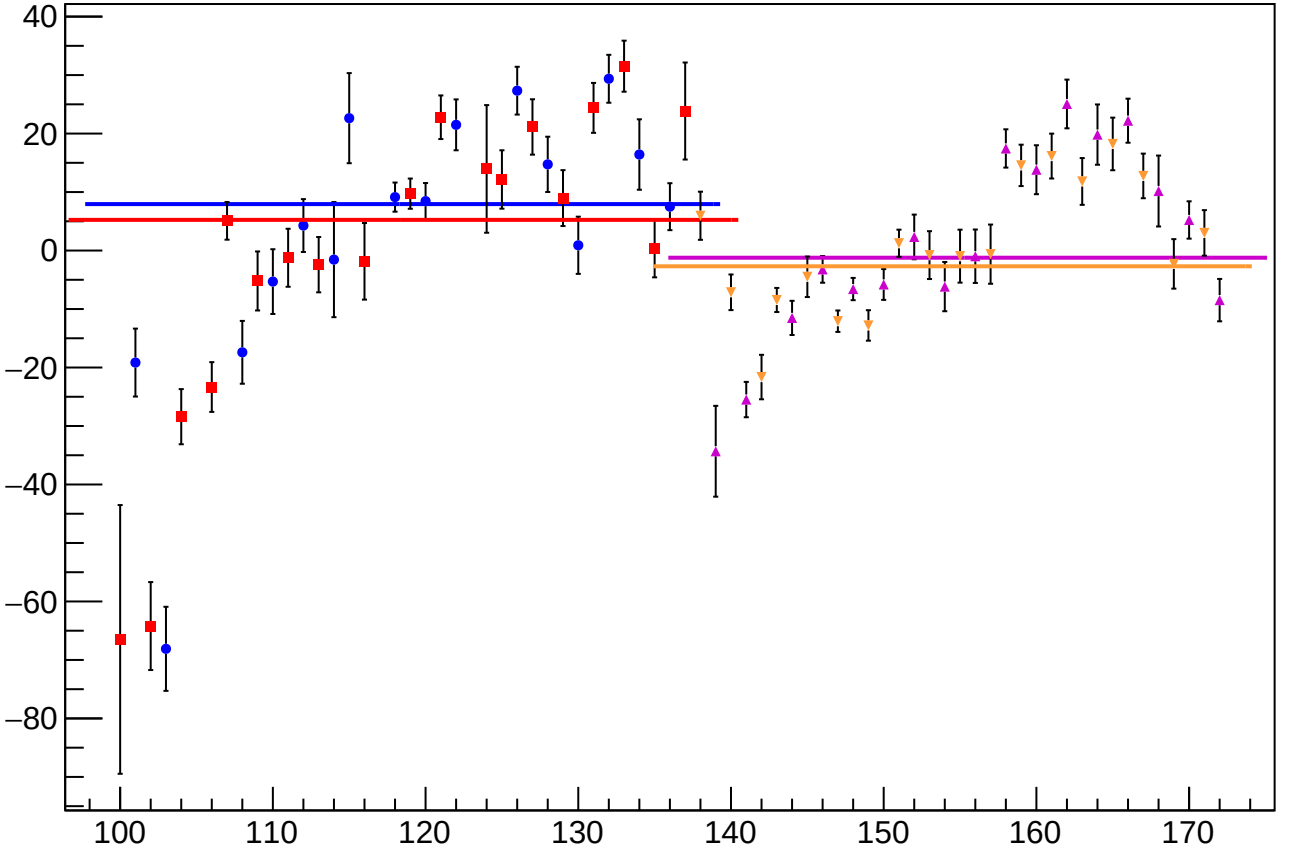
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 202.510+/-0.798 χ^2/NDF:2277.3/32

Out: 185.600+/-0.750 χ^2/NDF:4220.2/36

All: 193.529+/-0.546 χ^2/NDF: 6735.9/69

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -2.692+/-0.749 χ^2/NDF:185.4/17

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -1.226+/-0.804 χ^2/NDF:261.3/16

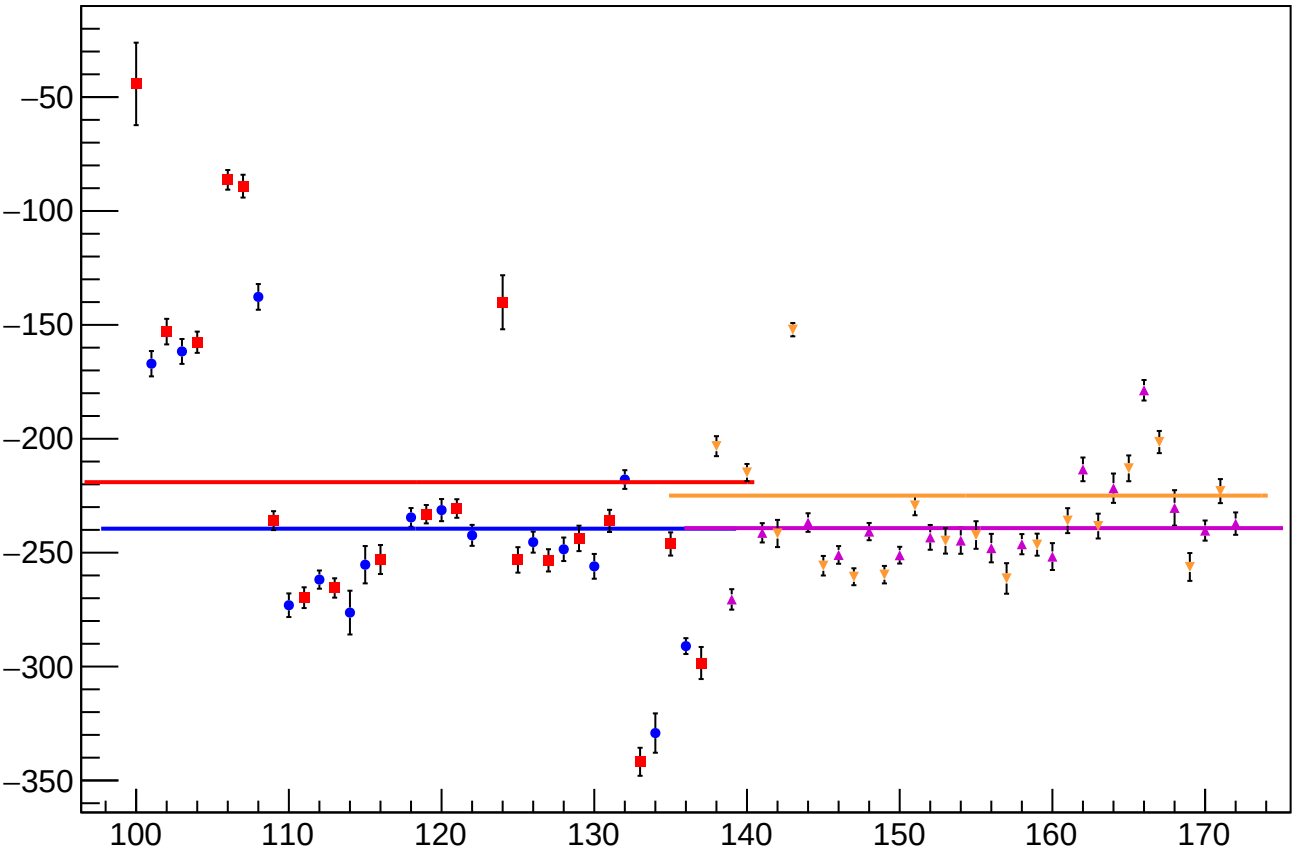
Left: -2.012+/-0.548 χ^2/NDF: 448.4/34

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 1.919+/-0.652 χ^2/NDF:538.7/32

Out: -0.057+/-0.612 χ^2/NDF:525.6/36

All: 0.869+/-0.446 χ^2/NDF: 1069.2/69



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -224.951+/-1.089 χ^2/NDF:1021.0/17

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: -231.729+/-0.789 χ^2/NDF: 1395.8/34

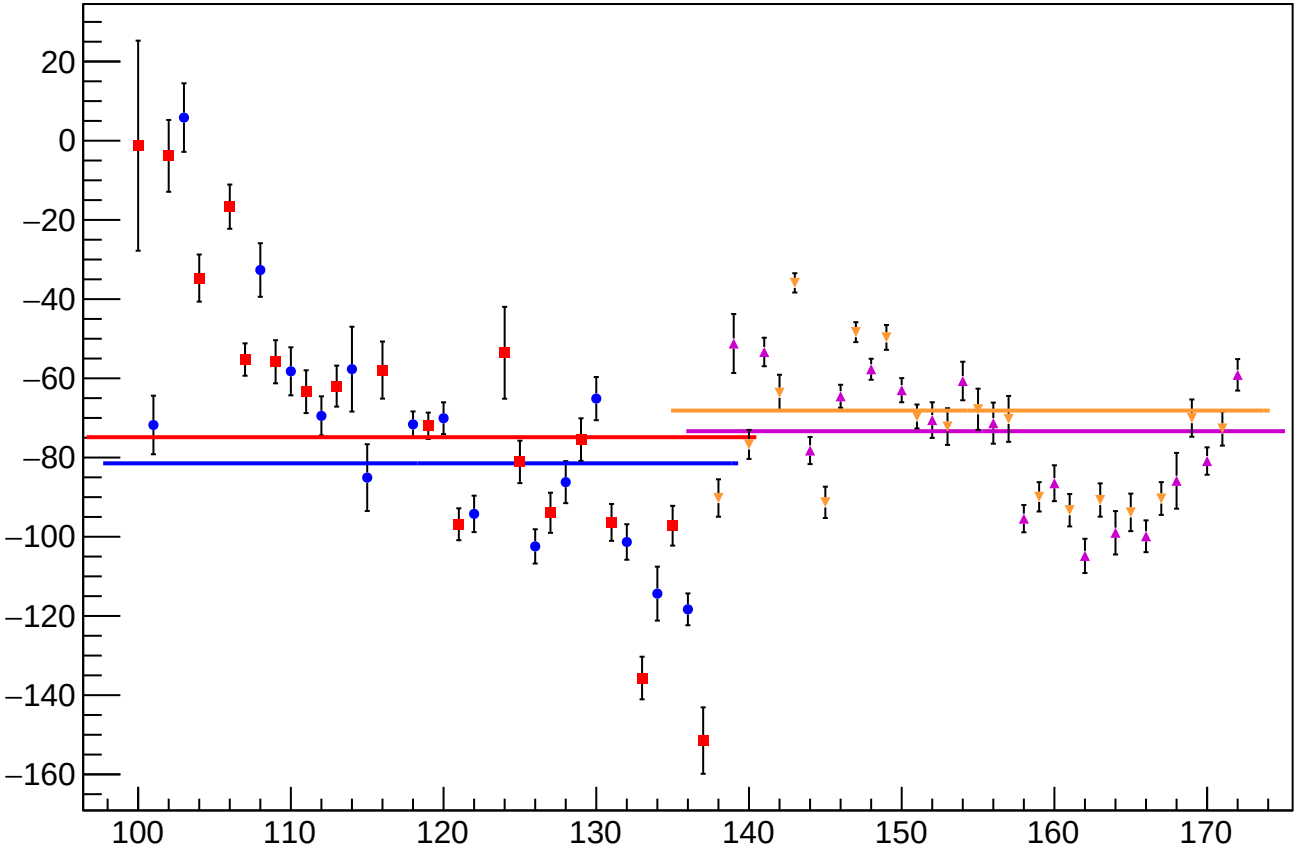
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -239.335+/-0.843 χ^2/NDF:1455.4/32

Out: -222.230+/-0.799 χ^2/NDF:4083.9/36

All: -230.327+/-0.580 χ^2/NDF: 5756.2/69

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: -68.136+/-0.886 χ^2/NDF:496.4/17

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: -70.582+/-0.645 χ^2/NDF: 806.2/34

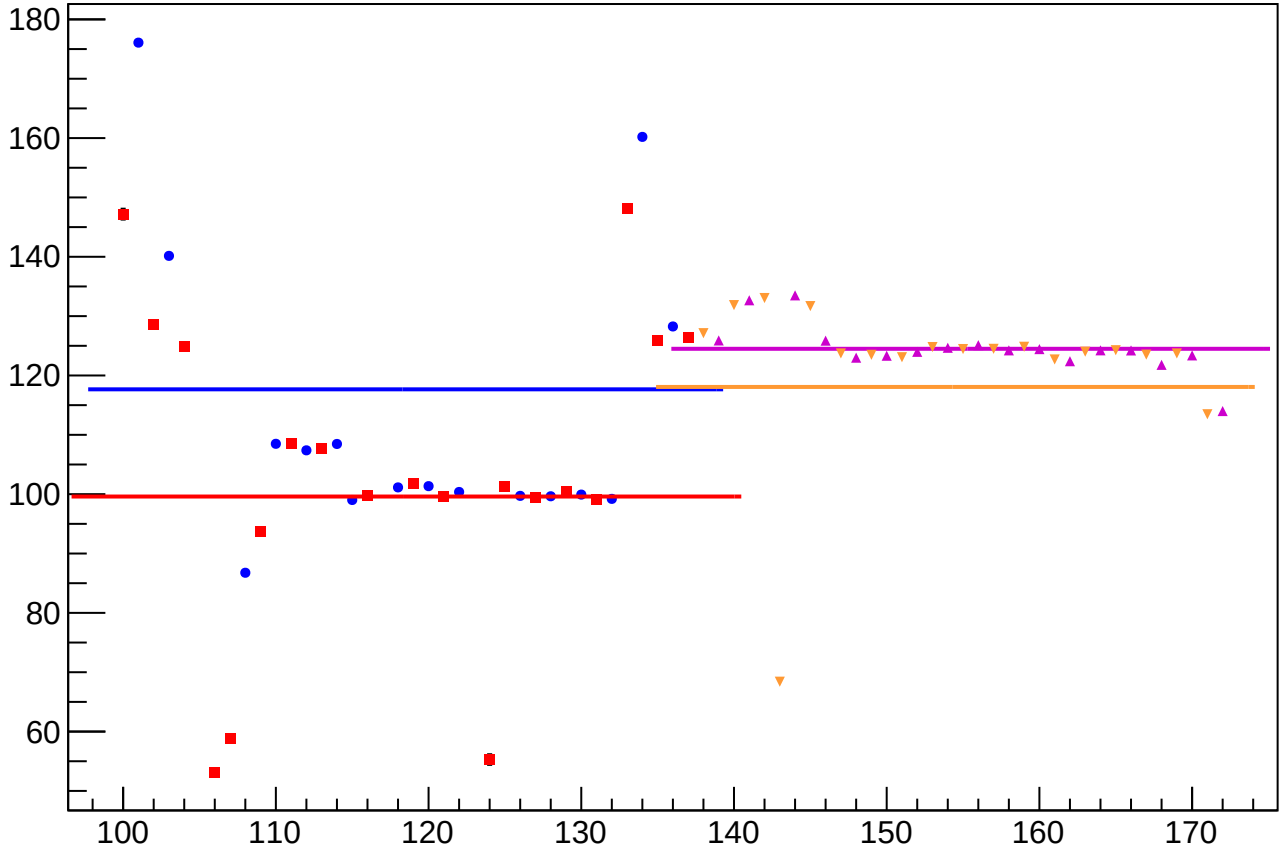
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -76.179+/-0.760 χ^2/NDF:686.0/32

Out: -70.433+/-0.719 χ^2/NDF:1092.7/36

All: -73.145+/-0.522 χ^2/NDF: 1808.8/69

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: 118.068+/-0.042 χ^2/NDF:198758.7/17

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: 121.191+/-0.030 χ^2/NDF: 219176.8/34

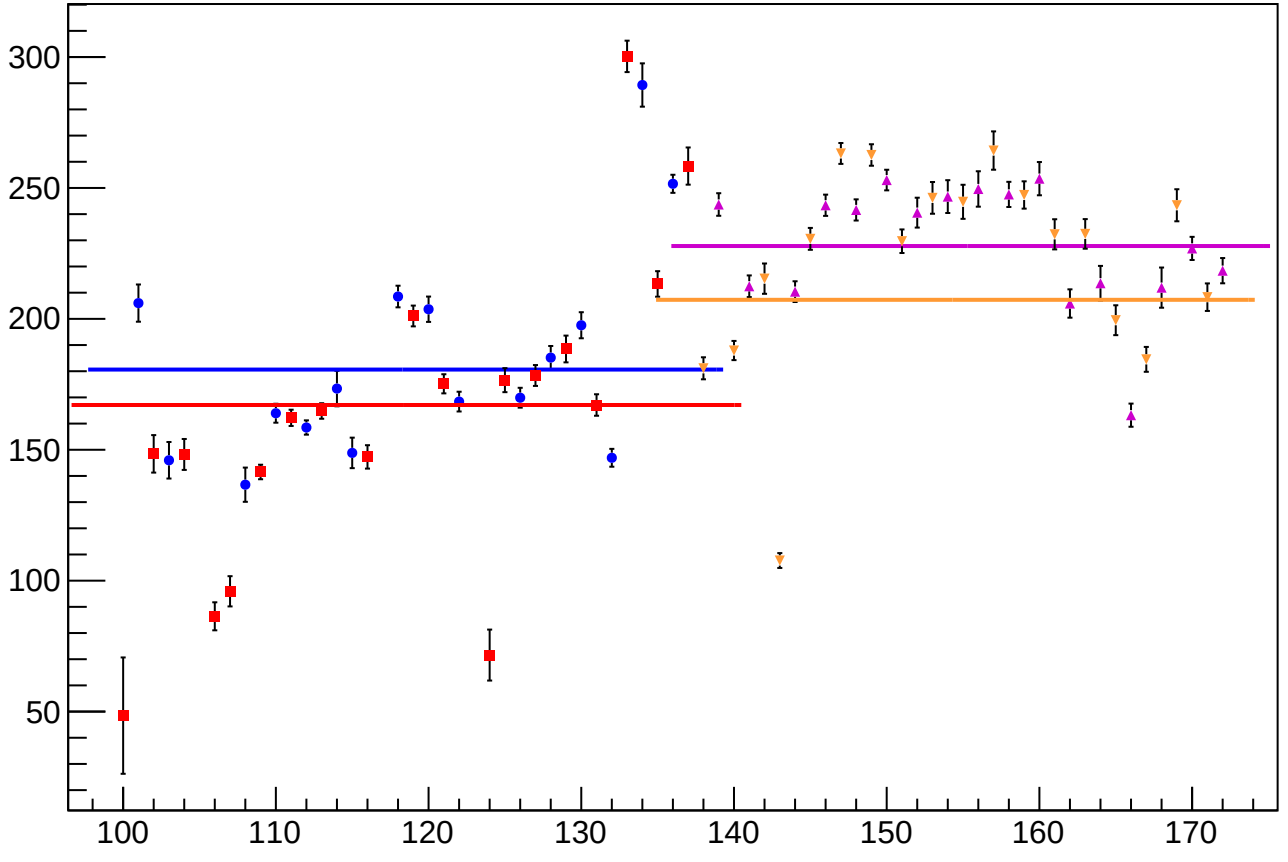
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.892+/-0.038 χ^2/NDF:110342.9/32

Out: 113.188+/-0.036 χ^2/NDF:415739.0/36

All: 117.807+/-0.026 χ^2/NDF: 560395.7/69

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 207.276+/-1.105 χ^2/NDF:2022.5/17

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 227.820+/-1.172 χ^2/NDF:414.5/16

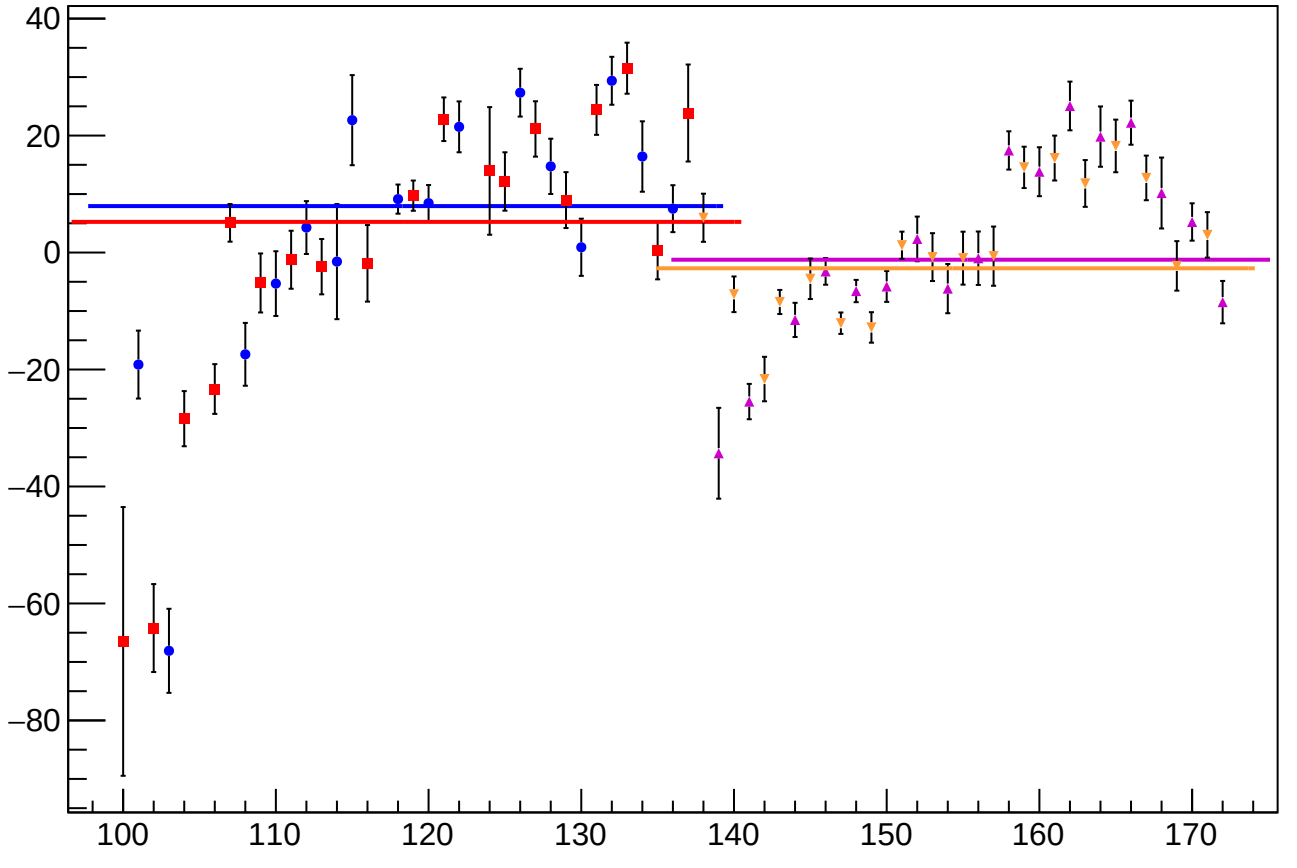
Left: 216.944+/-0.804 χ^2/NDF: 2599.6/34

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 202.510+/-0.798 χ^2/NDF:2277.3/32

Out: 185.600+/-0.750 χ^2/NDF:4220.2/36

All: 193.529+/-0.546 χ^2/NDF: 6735.9/69



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -2.692+/-0.749 χ^2/NDF:185.4/17

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -1.226+/-0.804 χ^2/NDF:261.3/16

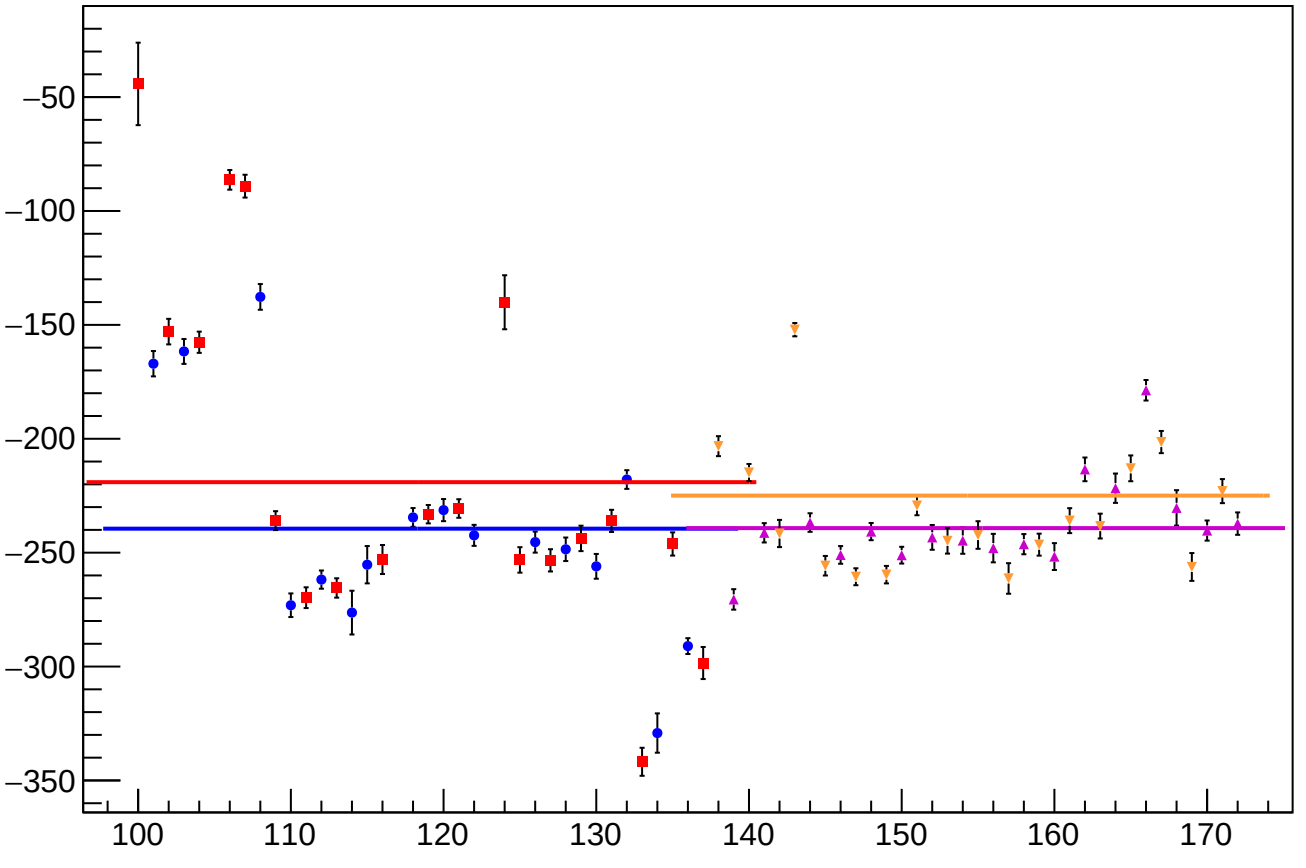
Left: -2.012+/-0.548 χ^2/NDF: 448.4/34

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 1.919+/-0.652 χ^2/NDF:538.7/32

Out: -0.057+/-0.612 χ^2/NDF:525.6/36

All: 0.869+/-0.446 χ^2/NDF: 1069.2/69



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -224.951+/-1.089 χ^2/NDF:1021.0/17

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: -231.729+/-0.789 χ^2/NDF: 1395.8/34

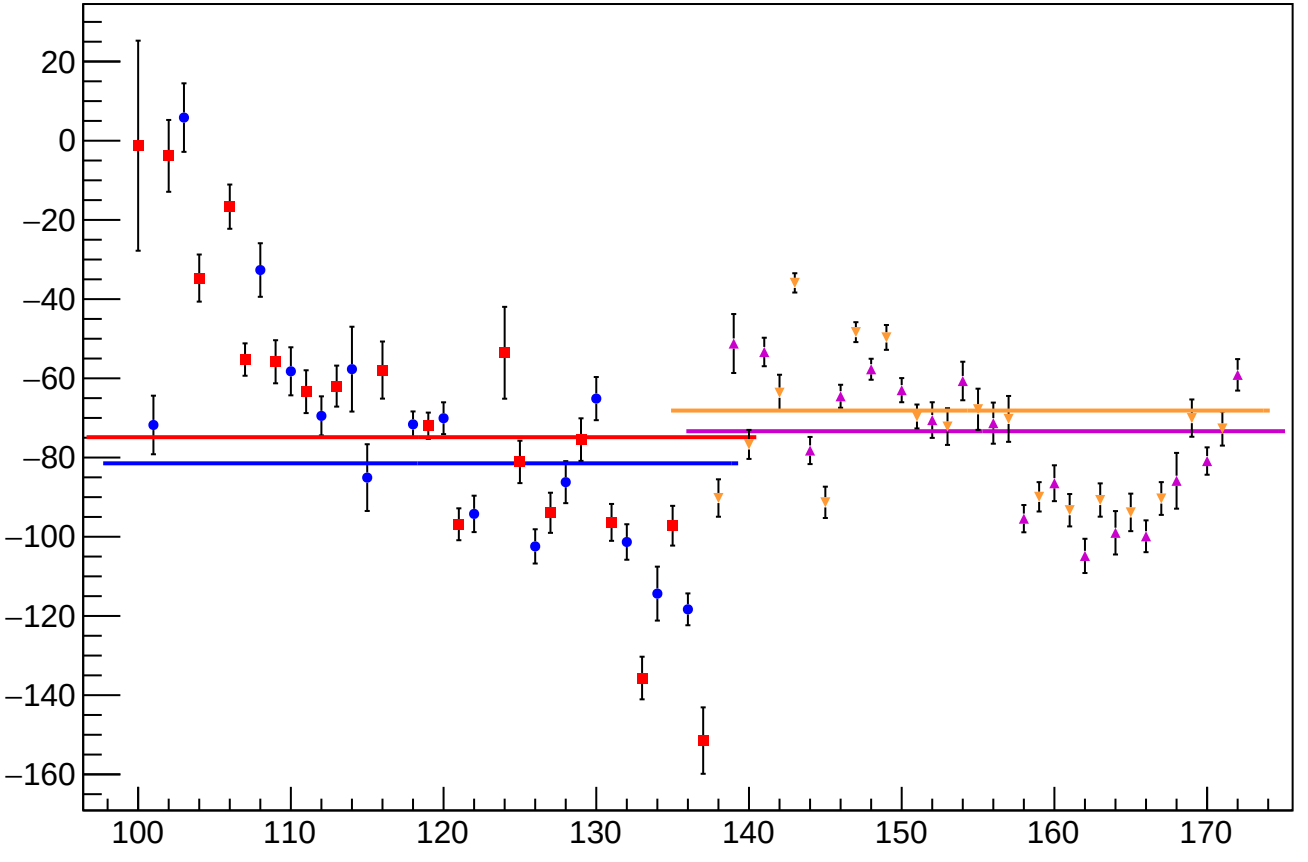
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -239.335+/-0.843 χ^2/NDF:1455.4/32

Out: -222.230+/-0.799 χ^2/NDF:4083.9/36

All: -230.327+/-0.580 χ^2/NDF: 5756.2/69

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: -68.136+/-0.886 χ^2/NDF:496.4/17

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: -70.582+/-0.645 χ^2/NDF: 806.2/34

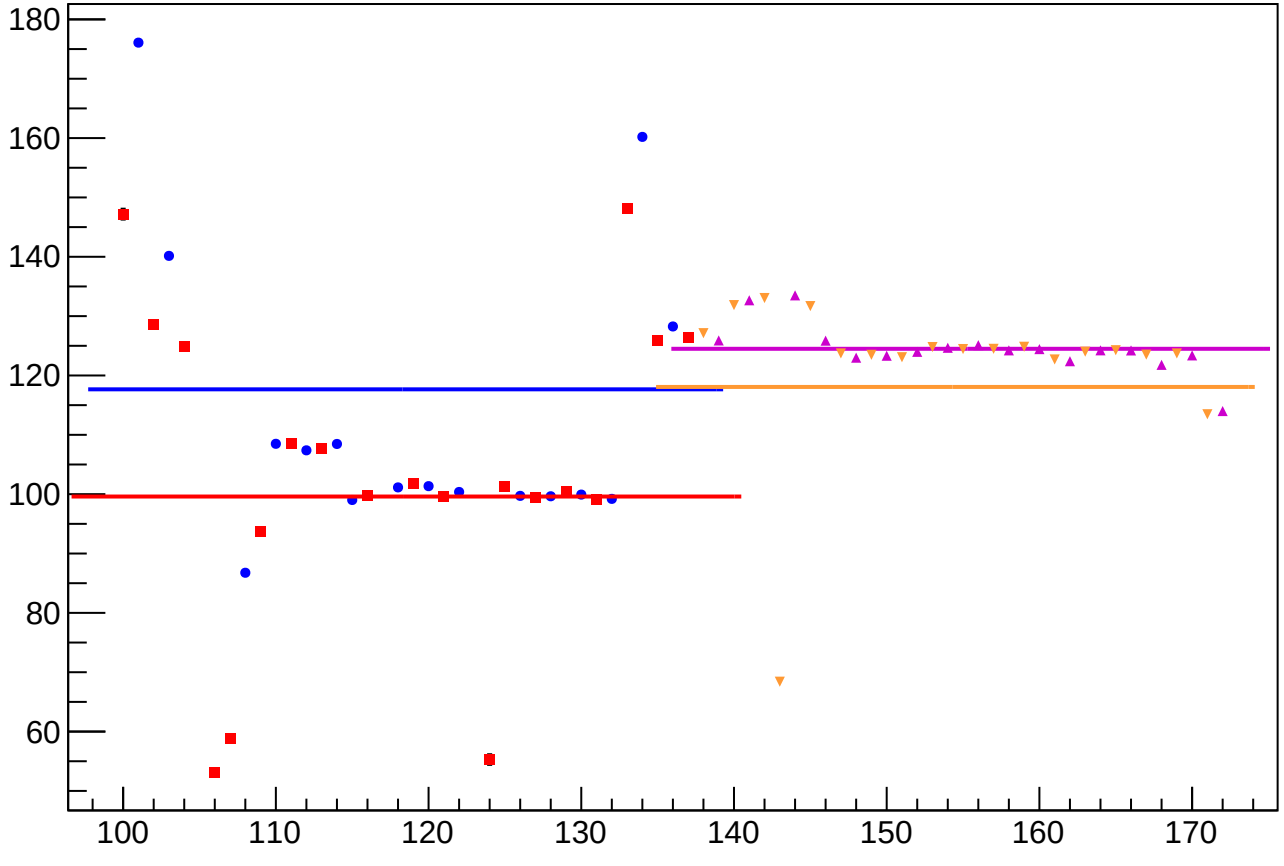
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -76.179+/-0.760 χ^2/NDF:686.0/32

Out: -70.433+/-0.719 χ^2/NDF:1092.7/36

All: -73.145+/-0.522 χ^2/NDF: 1808.8/69

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: 118.068+/-0.042 χ^2/NDF:198758.7/17

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: 121.191+/-0.030 χ^2/NDF: 219176.8/34

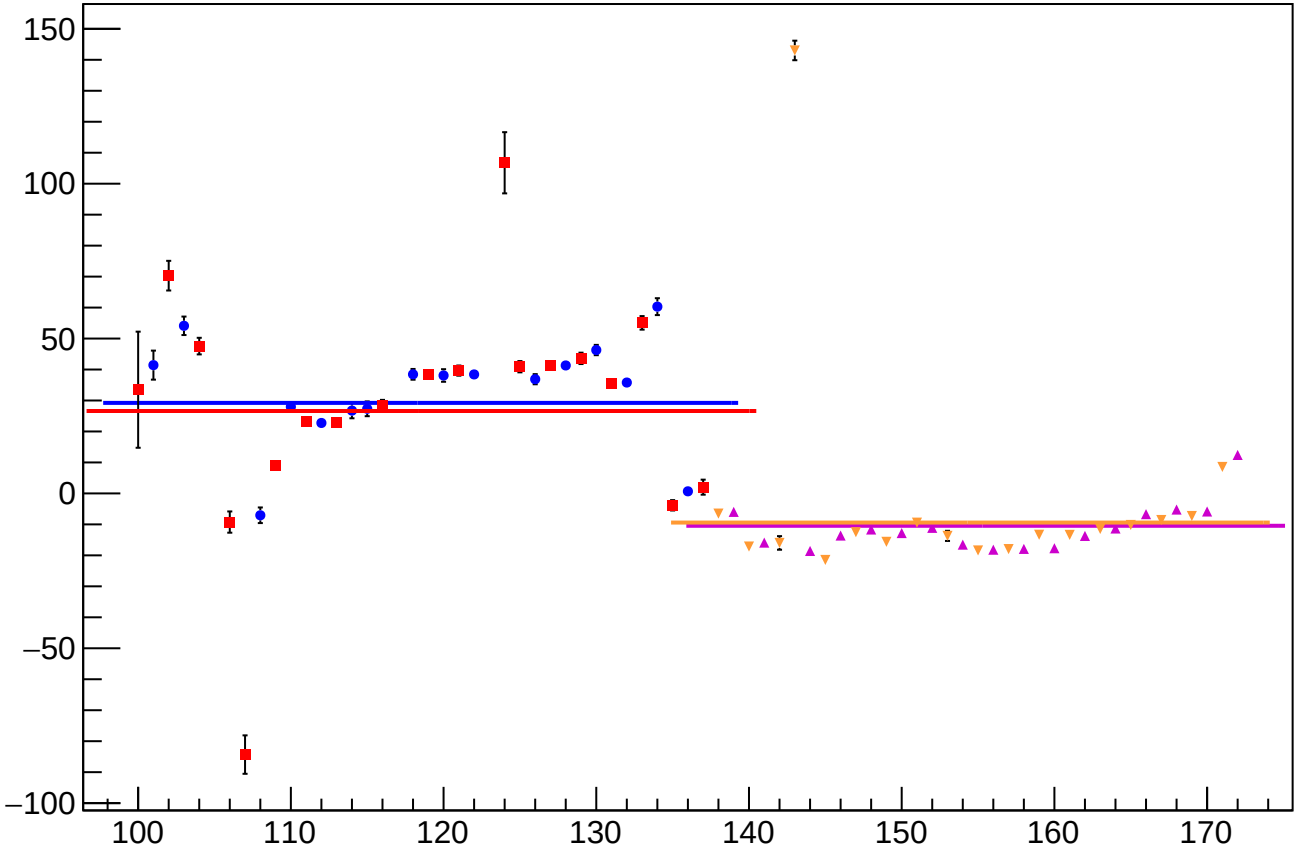
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.892+/-0.038 χ^2/NDF:110342.9/32

Out: 113.188+/-0.036 χ^2/NDF:415739.0/36

All: 117.807+/-0.026 χ^2/NDF: 560395.7/69

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: -9.410+/-0.351 χ^2/NDF:2741.9/17

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: -9.939+/-0.246 χ^2/NDF: 3231.8/34

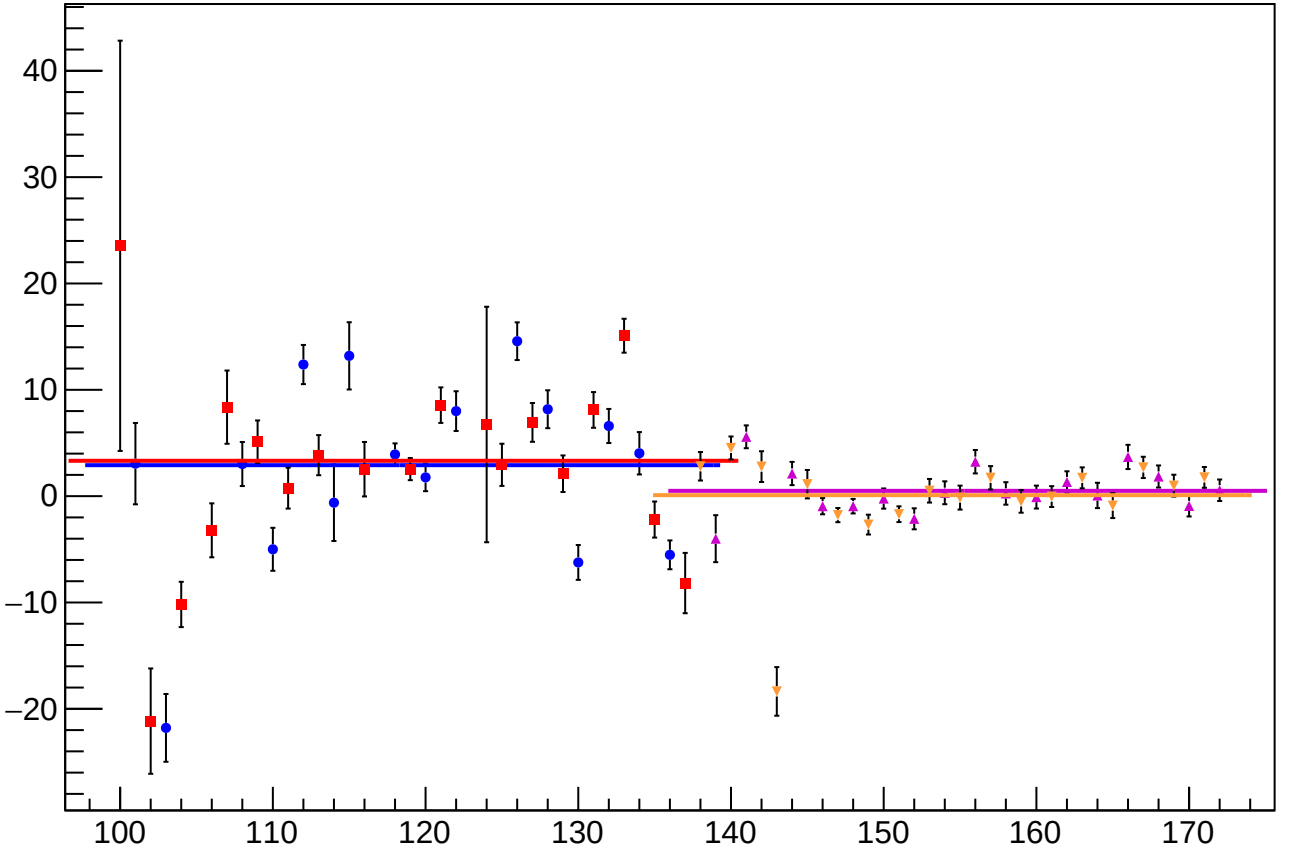
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.332+/-0.268 χ^2/NDF:7095.8/32

Out: 5.633+/-0.268 χ^2/NDF:9068.8/36

All: 5.482+/-0.189 χ^2/NDF: 16165.3/69

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 0.092+/-0.243 χ^2/NDF:129.4/17

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.499+/-0.245 χ^2/NDF:63.3/16

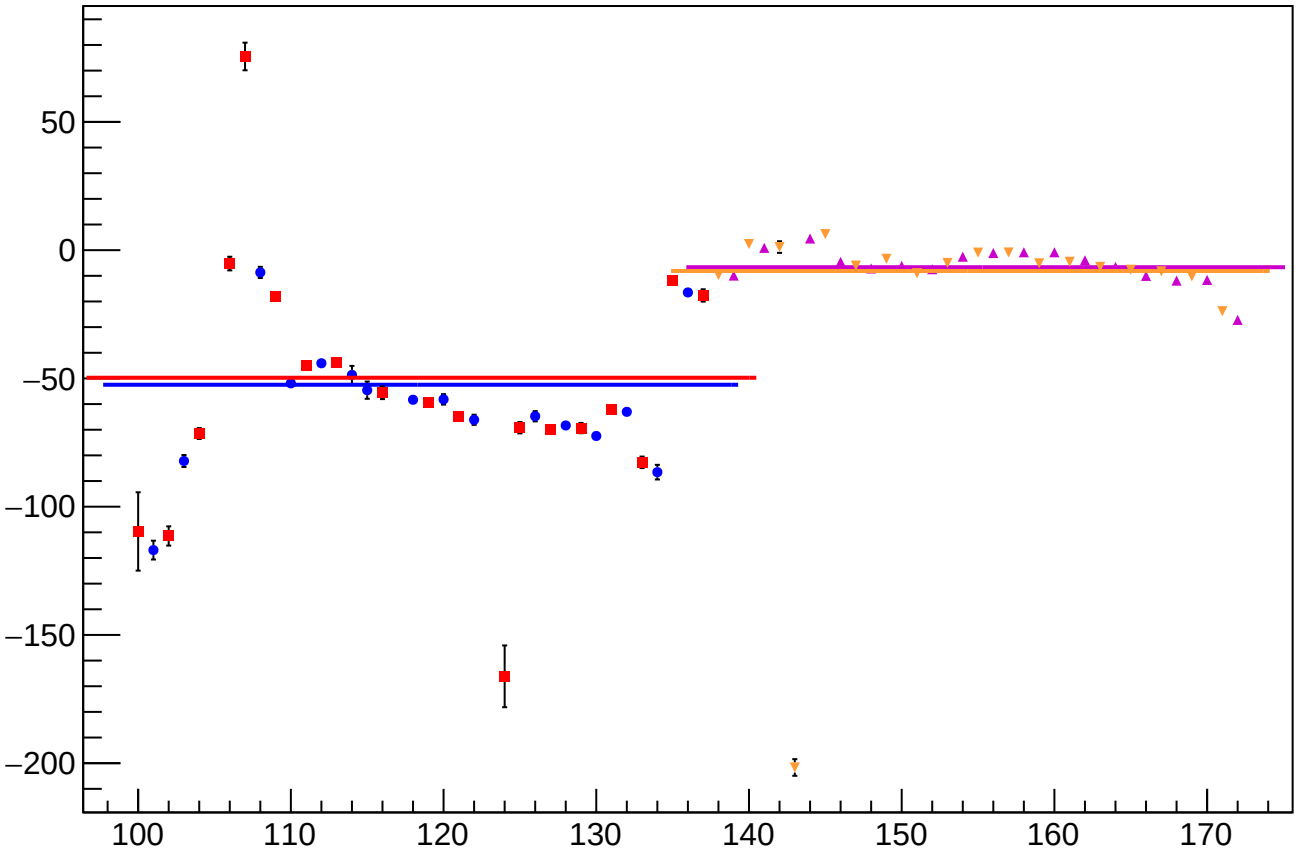
Left: 0.294+/-0.172 χ^2/NDF: 194.1/34

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.064+/-0.214 χ^2/NDF:336.1/32

Out: 0.812+/-0.214 χ^2/NDF:350.7/36

All: 0.938+/-0.151 χ^2/NDF: 687.5/69



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -8.113+/-0.342 χ^2/NDF:3946.1/17

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -6.641+/-0.337 χ^2/NDF:411.2/16

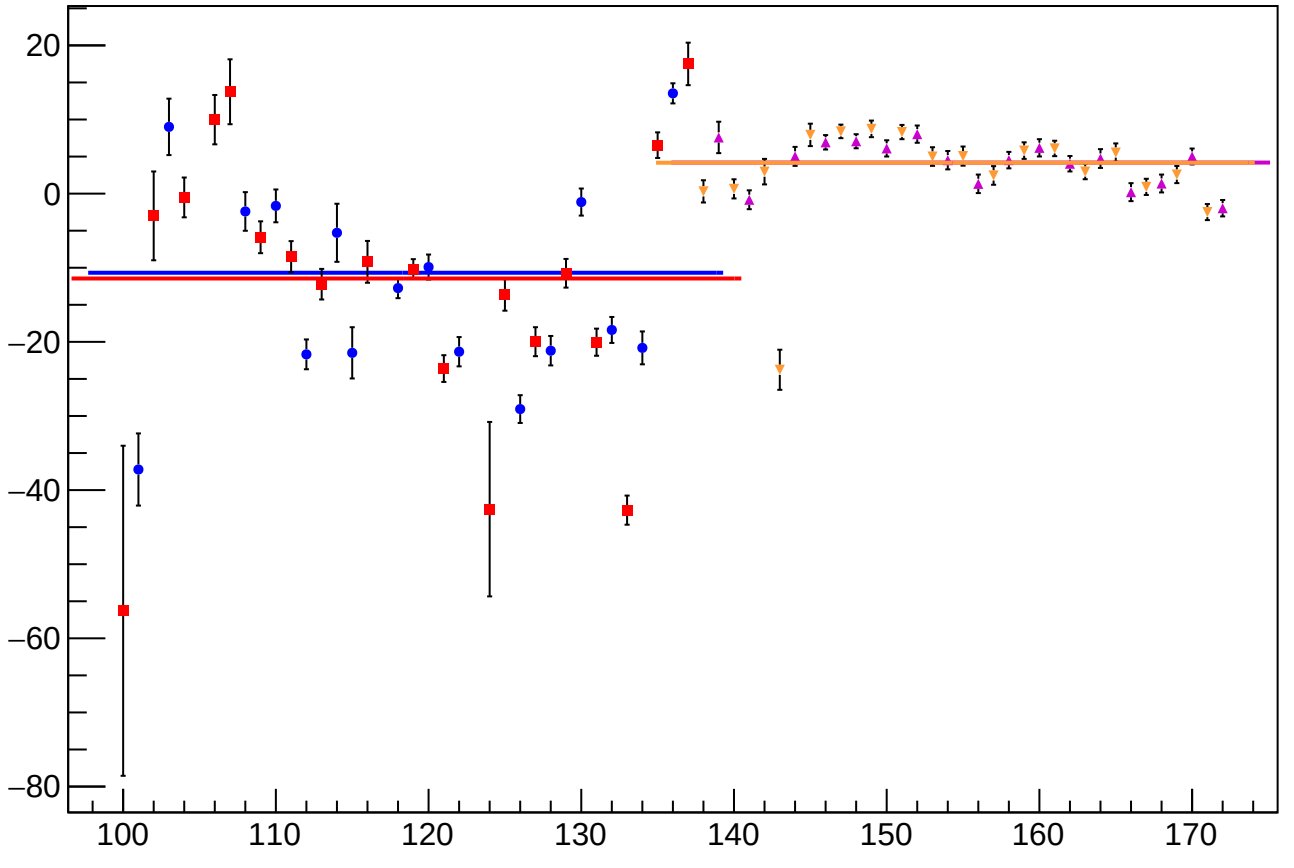
Left: -7.364+/-0.240 χ^2/NDF: 4366.8/34

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.427+/-0.277 χ^2/NDF:8719.9/32

Out: -21.619+/-0.281 χ^2/NDF:11750.0/36

All: -21.522+/-0.197 χ^2/NDF: 20470.1/69



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 4.171+/-0.281 χ^2/NDF:243.5/17

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 4.191+/-0.282 χ^2/NDF:105.9/16

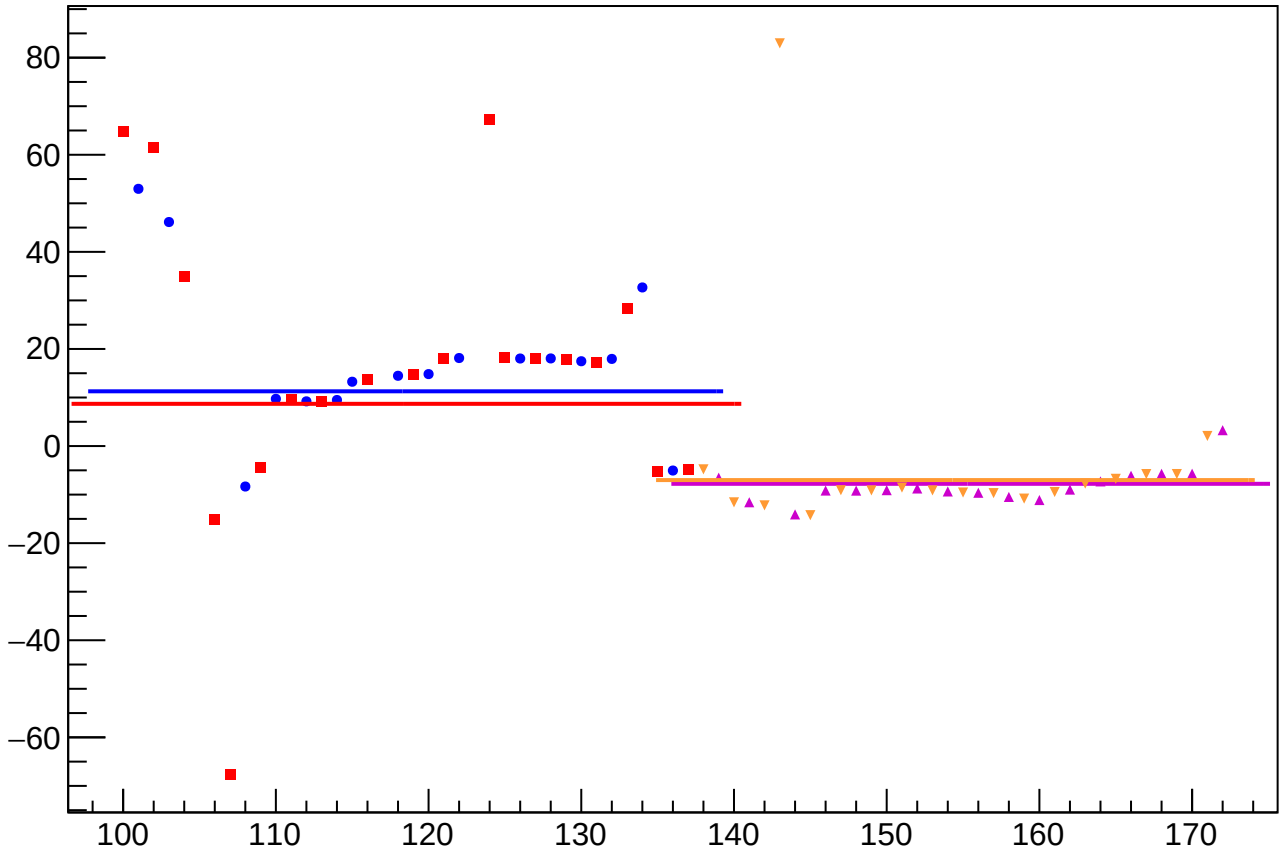
Left: 4.181+/-0.199 χ^2/NDF: 349.4/34

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: 0.670+/-0.246 χ^2/NDF:1432.4/32

Out: 0.597+/-0.247 χ^2/NDF:1615.9/36

All: 0.634+/-0.174 χ^2/NDF: 3048.3/69



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.008+/-0.013 χ^2/NDF:531289.9/17

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: -7.401+/-0.009 χ^2/NDF: 620493.7/34

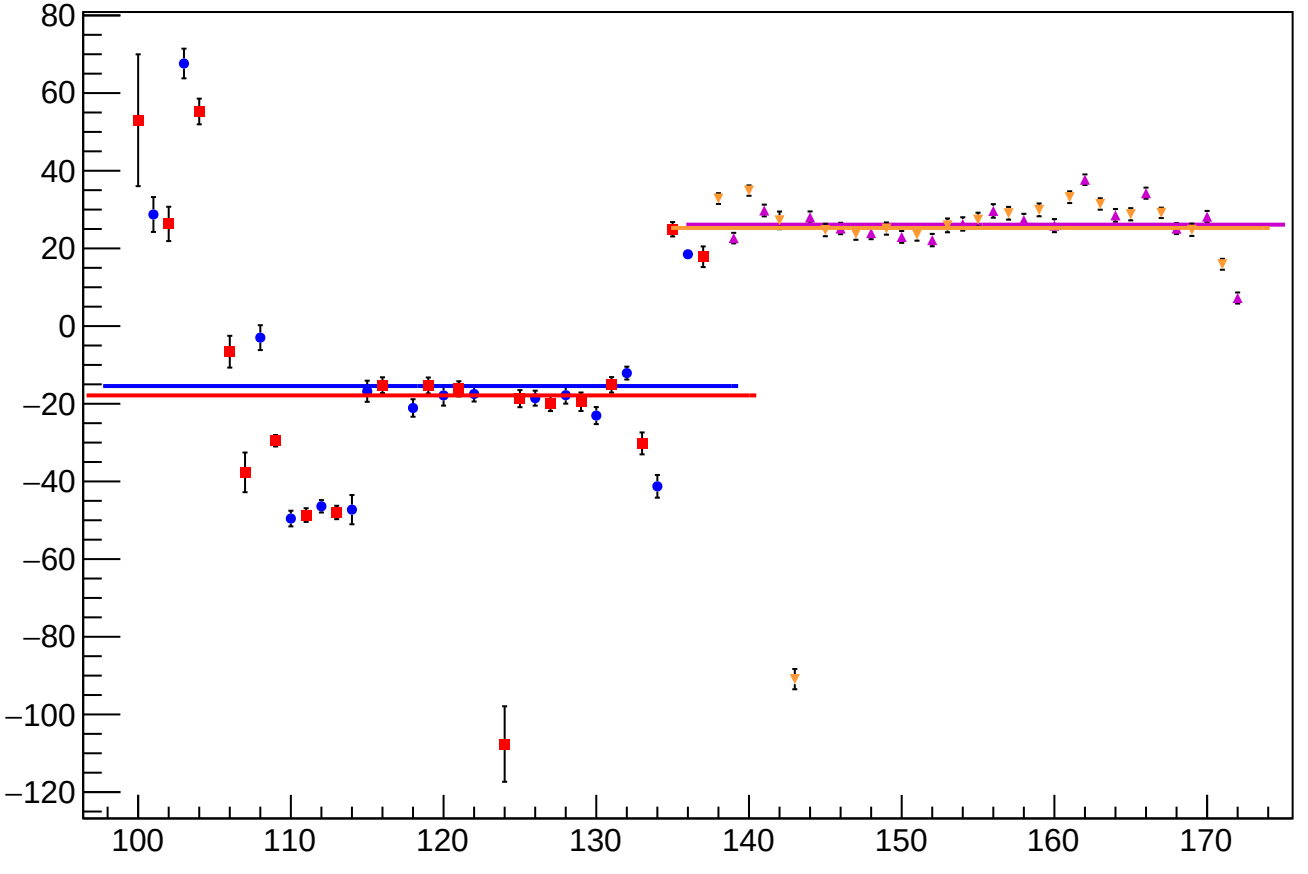
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -4.973+/-0.011 χ^2/NDF:782504.4/32

Out: -4.806+/-0.012 χ^2/NDF:1182269.6/36

All: -4.892+/-0.008 χ^2/NDF: 1964877.9/69

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 25.274+/-0.374 χ^2/NDF:2179.2/17

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 26.119+/-0.369 χ^2/NDF:315.9/16

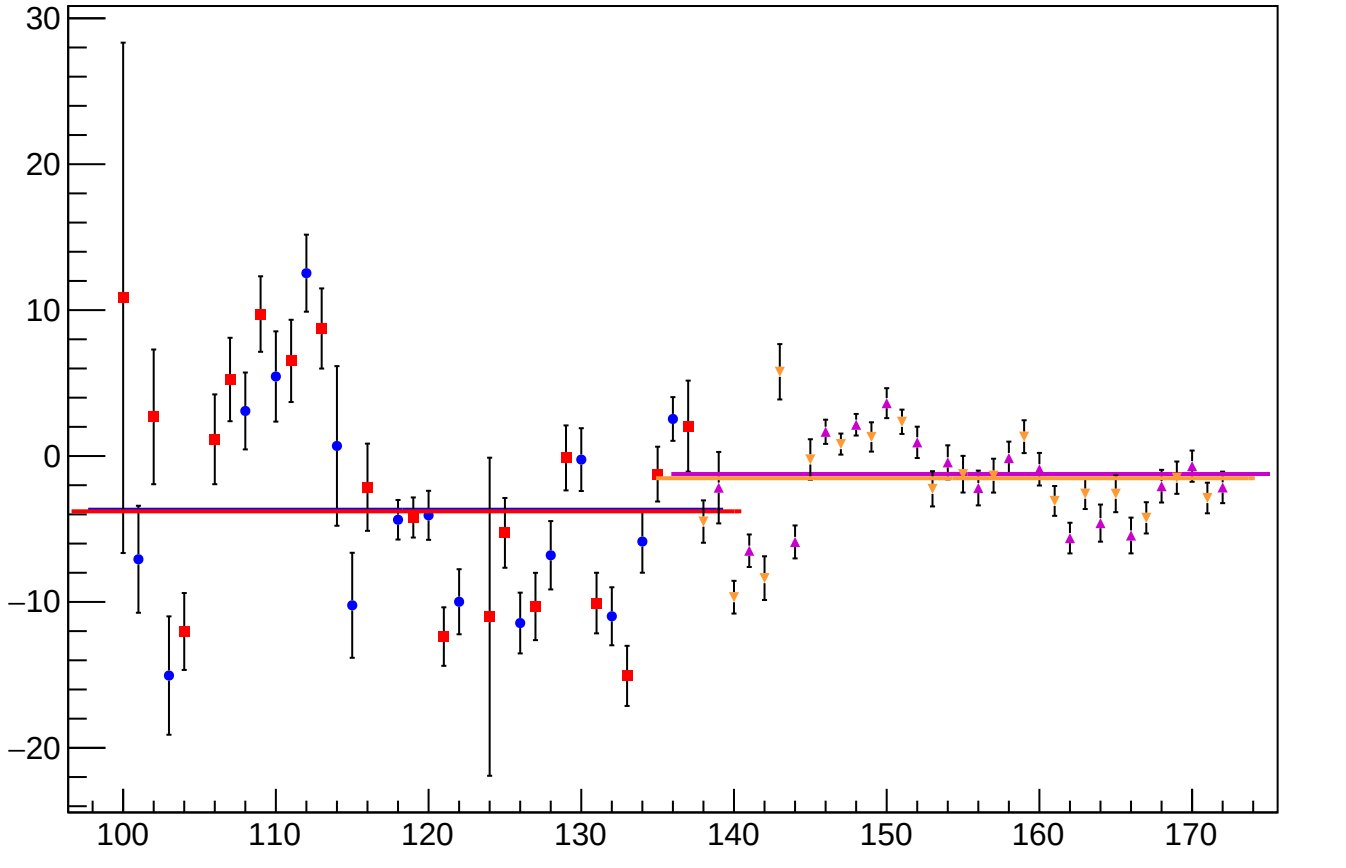
Left: 25.702+/-0.263 χ^2/NDF: 2497.7/34

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

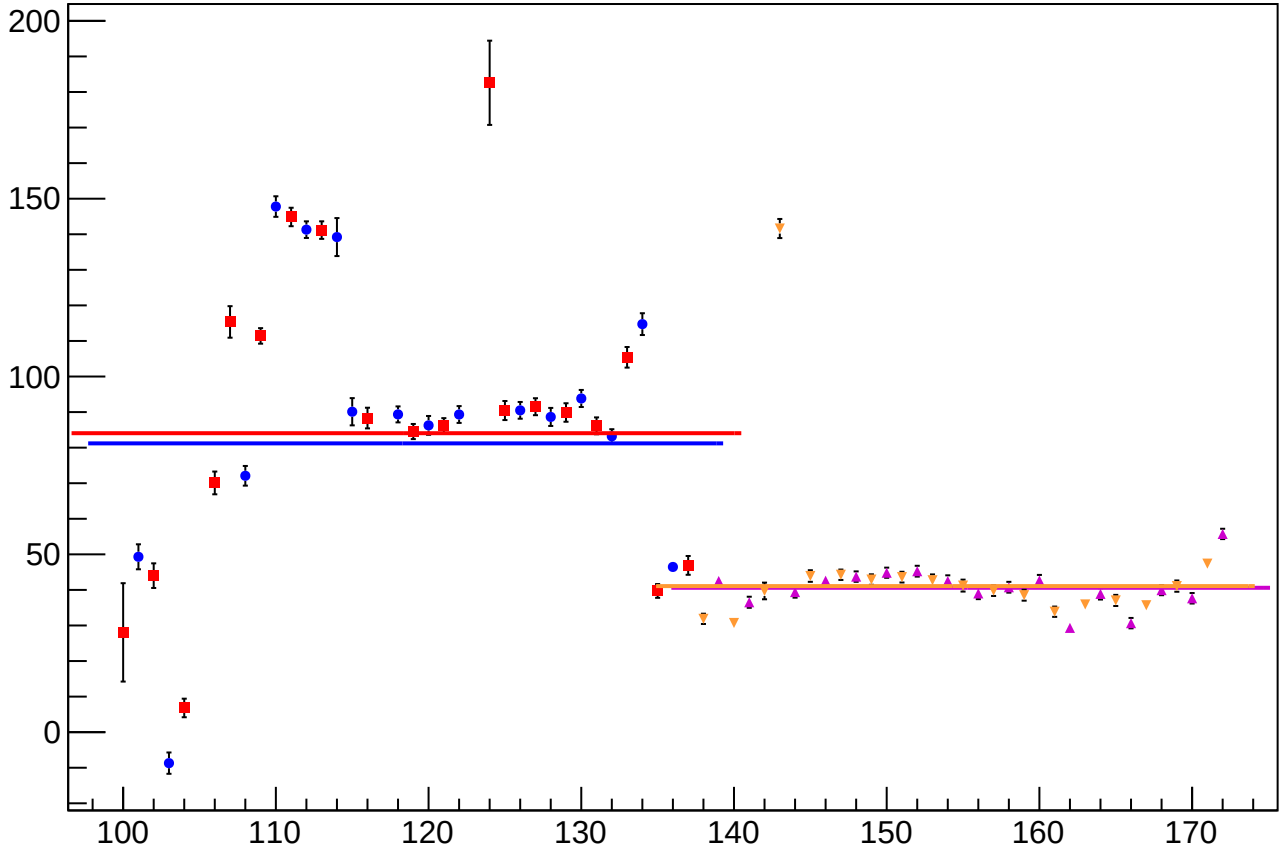
In: 12.839+/-0.305 χ^2/NDF:6484.3/32

Out: 10.904+/-0.306 χ^2/NDF:8724.4/36

All: 11.875+/-0.216 χ^2/NDF: 15228.8/69


reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -1.521+/-0.260 χ²/NDF:152.6/17
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -1.231+/-0.262 χ²/NDF:138.8/16
Left: -1.377+/-0.184 χ²/NDF: 292.0/34
Right: -3.734+/-0.394 χ²/NDF: 285.2/34
In: -1.681+/-0.237 χ²/NDF:278.8/32
Out: -1.919+/-0.236 χ²/NDF:327.2/36
All: -1.800+/-0.167 χ²/NDF: 606.5/69

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 41.072+/-0.366 χ^2/NDF:1594.5/17

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 40.597+/-0.361 χ^2/NDF:272.3/16

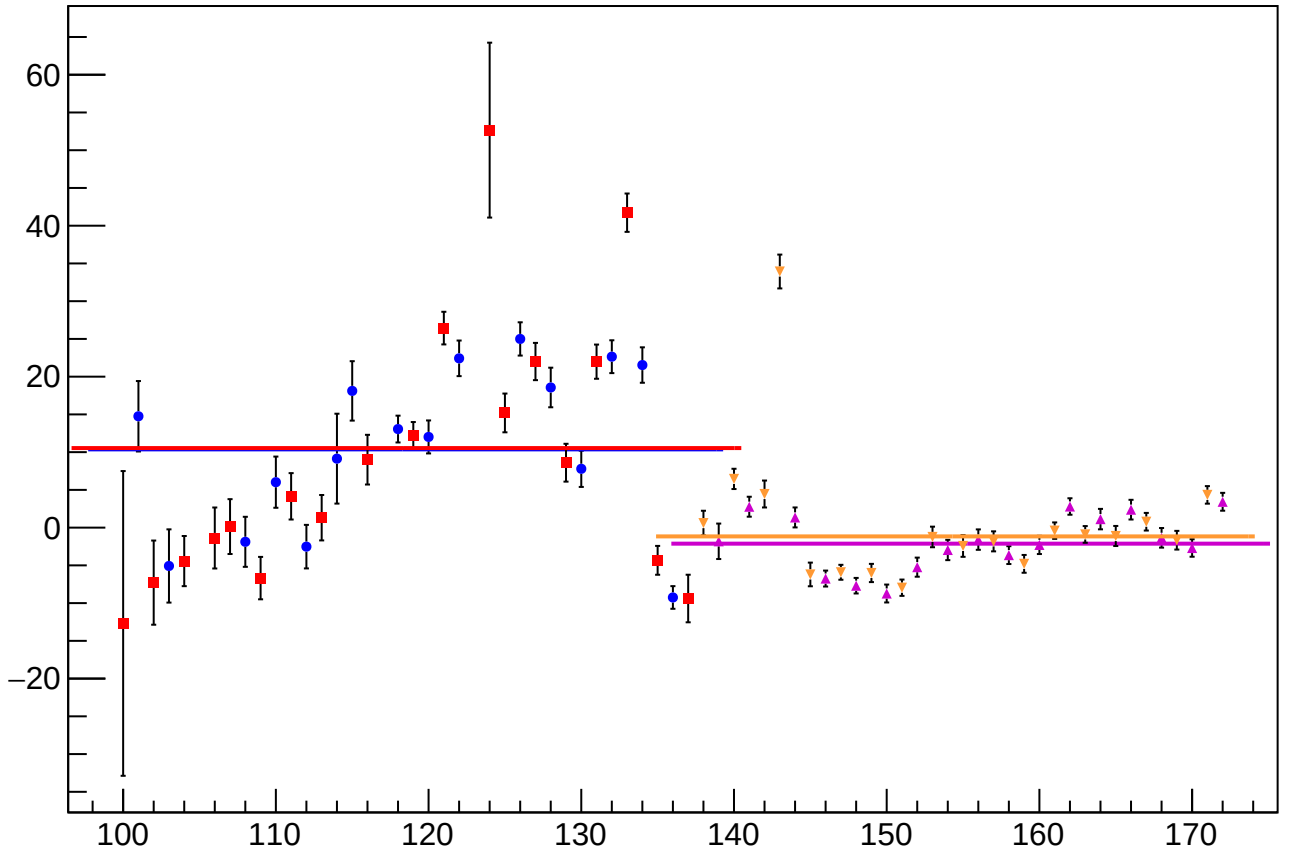
Left: 40.831+/-0.257 χ^2/NDF: 1867.6/34

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

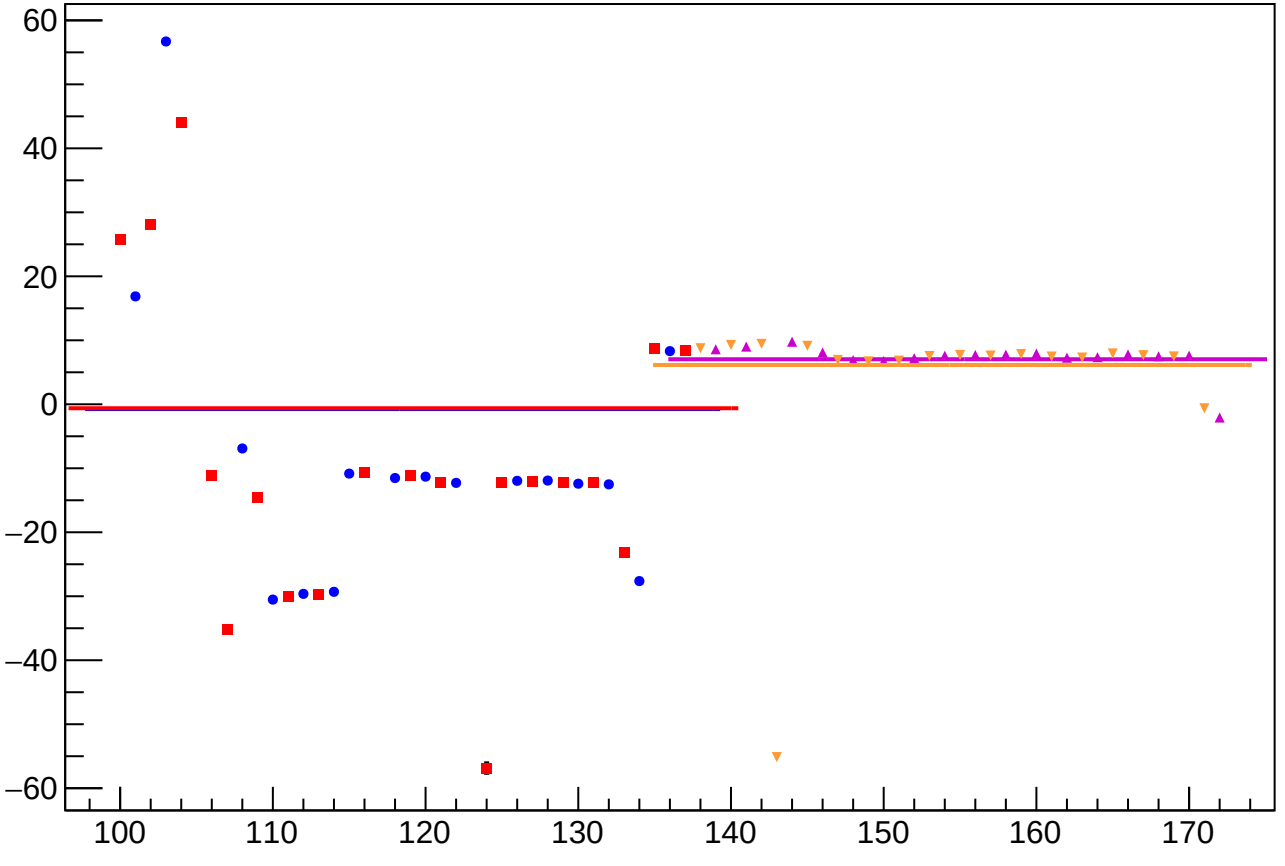
In: 51.193+/-0.310 χ^2/NDF:6809.5/32

Out: 52.279+/-0.315 χ^2/NDF:8399.1/36

All: 51.728+/-0.221 χ^2/NDF: 15214.7/69


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: -1.162+/-0.300 χ²/NDF:414.0/17
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -2.124+/-0.301 χ²/NDF:168.9/16
Left: -1.642+/-0.213 χ²/NDF: 588.1/34
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: 0.220+/-0.271 χ²/NDF:851.6/32
Out: 0.950+/-0.272 χ²/NDF:1158.5/36
All: 0.584+/-0.192 χ²/NDF: 2013.7/69

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 6.144+/-0.014 χ^2/NDF:336472.5/17

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 7.040+/-0.013 χ^2/NDF:38525.2/16

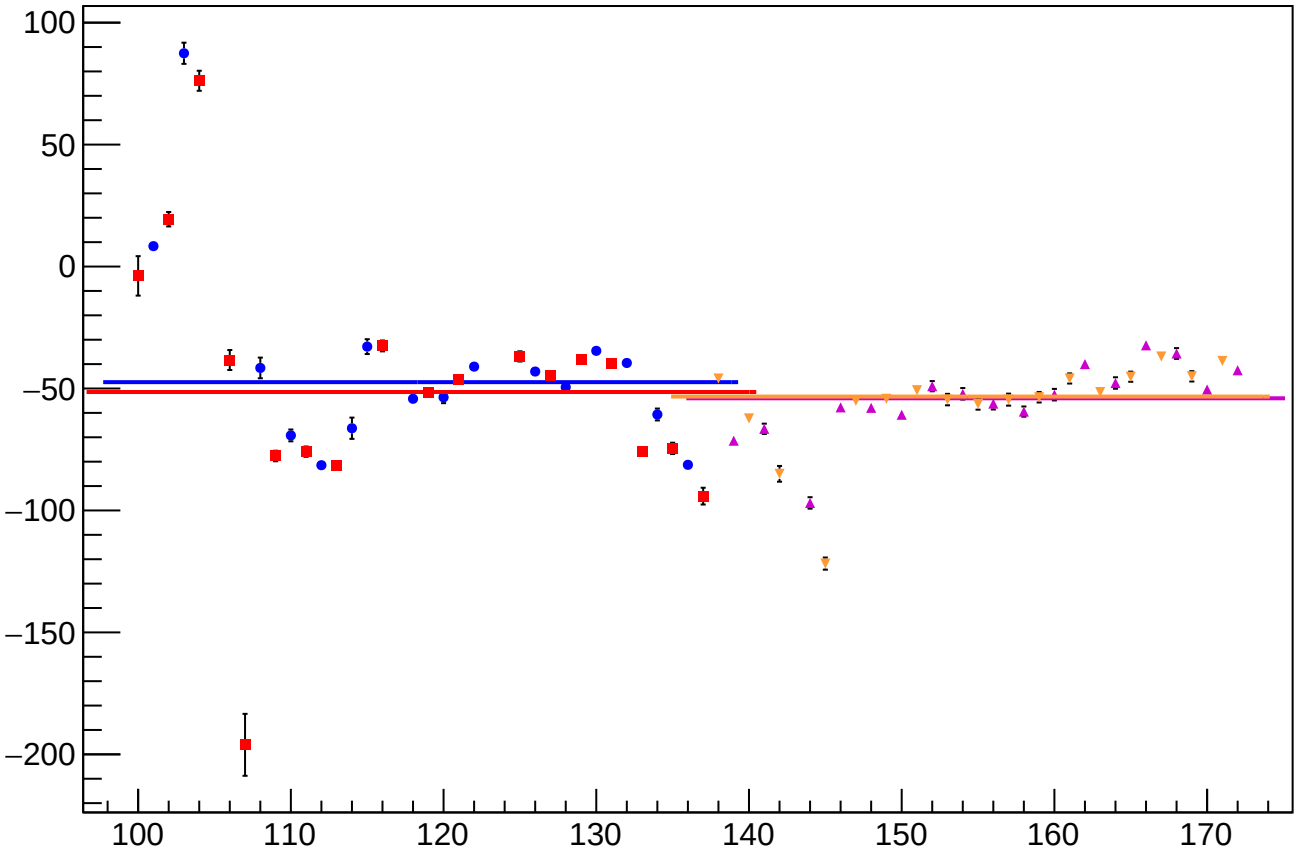
Left: 6.600+/-0.010 χ^2/NDF: 377212.7/34

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.095+/-0.012 χ^2/NDF:447881.9/32

Out: 5.353+/-0.013 χ^2/NDF:681938.0/36

All: 5.732+/-0.009 χ^2/NDF: 1131545.5/69



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -53.302+/-0.503 χ^2/NDF:1087.5/16

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -54.018+/-0.491 χ^2/NDF:820.9/16

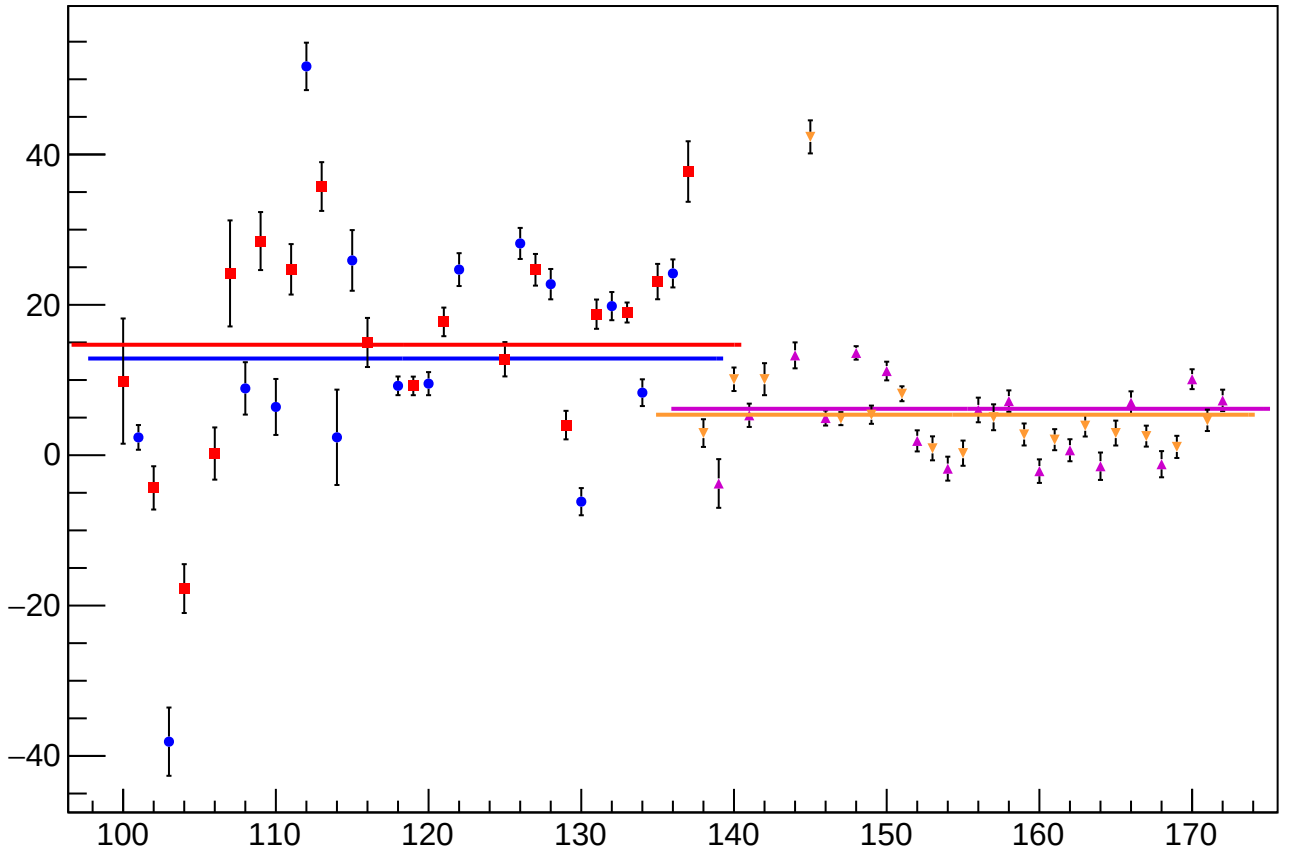
Left: -53.668+/-0.351 χ^2/NDF: 1909.4/33

Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -50.991+/-0.362 χ^2/NDF:3673.0/32

Out: -52.448+/-0.370 χ^2/NDF:3966.6/34

All: -51.704+/-0.259 χ^2/NDF: 7647.5/67



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 5.386+/-0.342 χ^2/NDF:348.5/16

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 6.172+/-0.343 χ^2/NDF:235.5/16

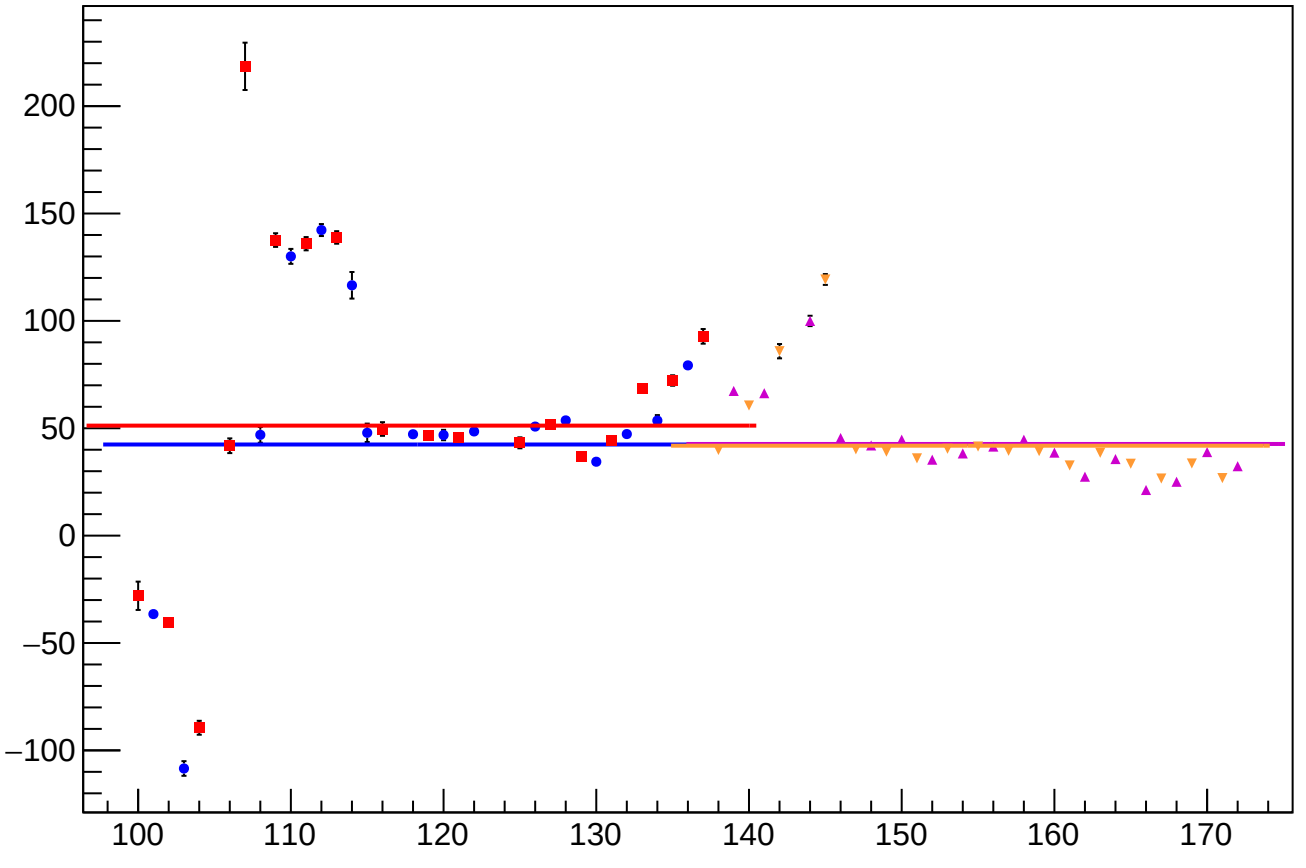
Left: 5.778+/-0.242 χ^2/NDF: 586.6/33

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 8.206+/-0.286 χ^2/NDF:976.6/32

Out: 8.021+/-0.290 χ^2/NDF:922.2/34

All: 8.115+/-0.204 χ^2/NDF: 1899.0/67



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 41.881+/-0.490 χ^2/NDF:1423.0/16

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: 42.290+/-0.342 χ^2/NDF: 2620.4/33

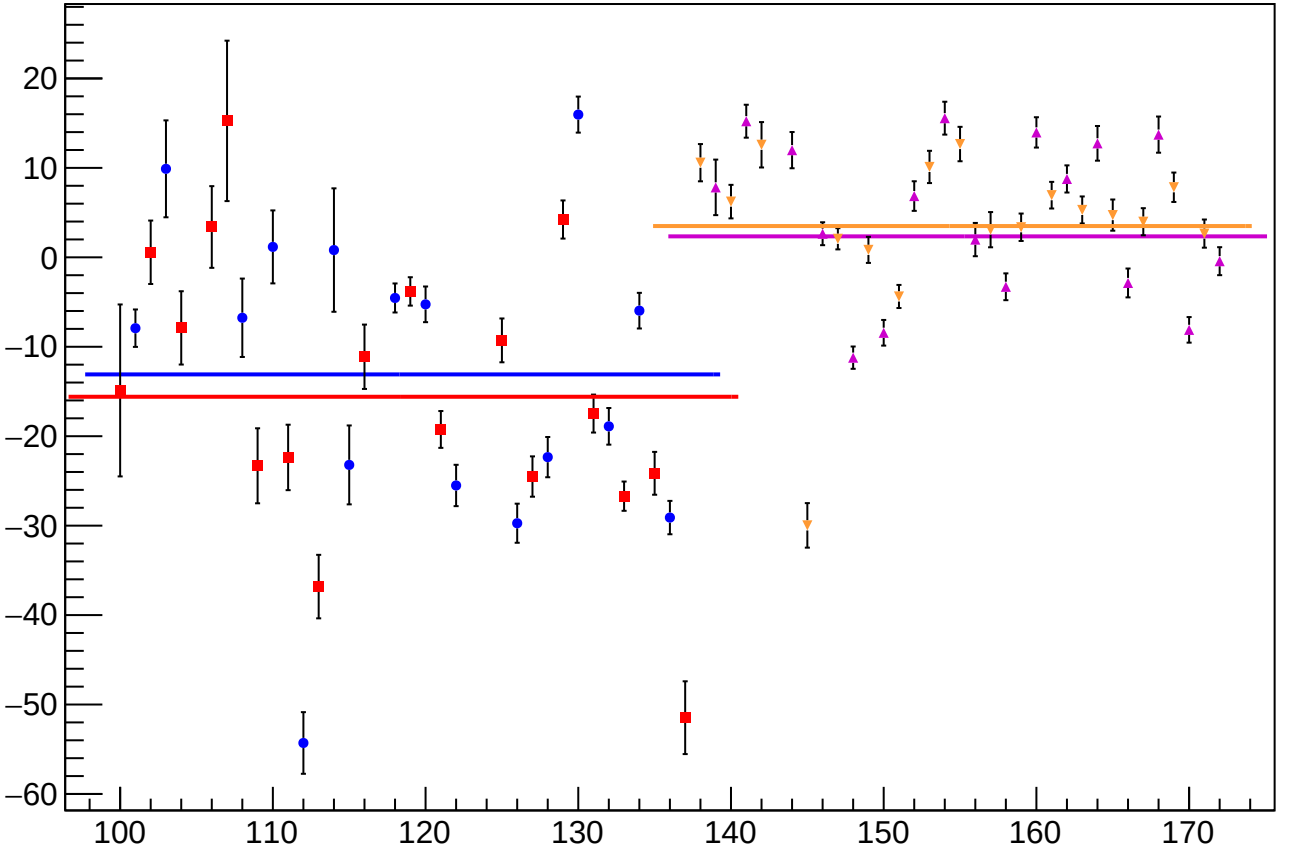
Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 42.583+/-0.370 χ^2/NDF:8365.0/32

Out: 45.509+/-0.383 χ^2/NDF:8175.7/34

All: 43.996+/-0.266 χ^2/NDF: 16570.9/67

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 3.497+/-0.398 χ^2/NDF:300.0/16

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 2.344+/-0.397 χ^2/NDF:515.1/16

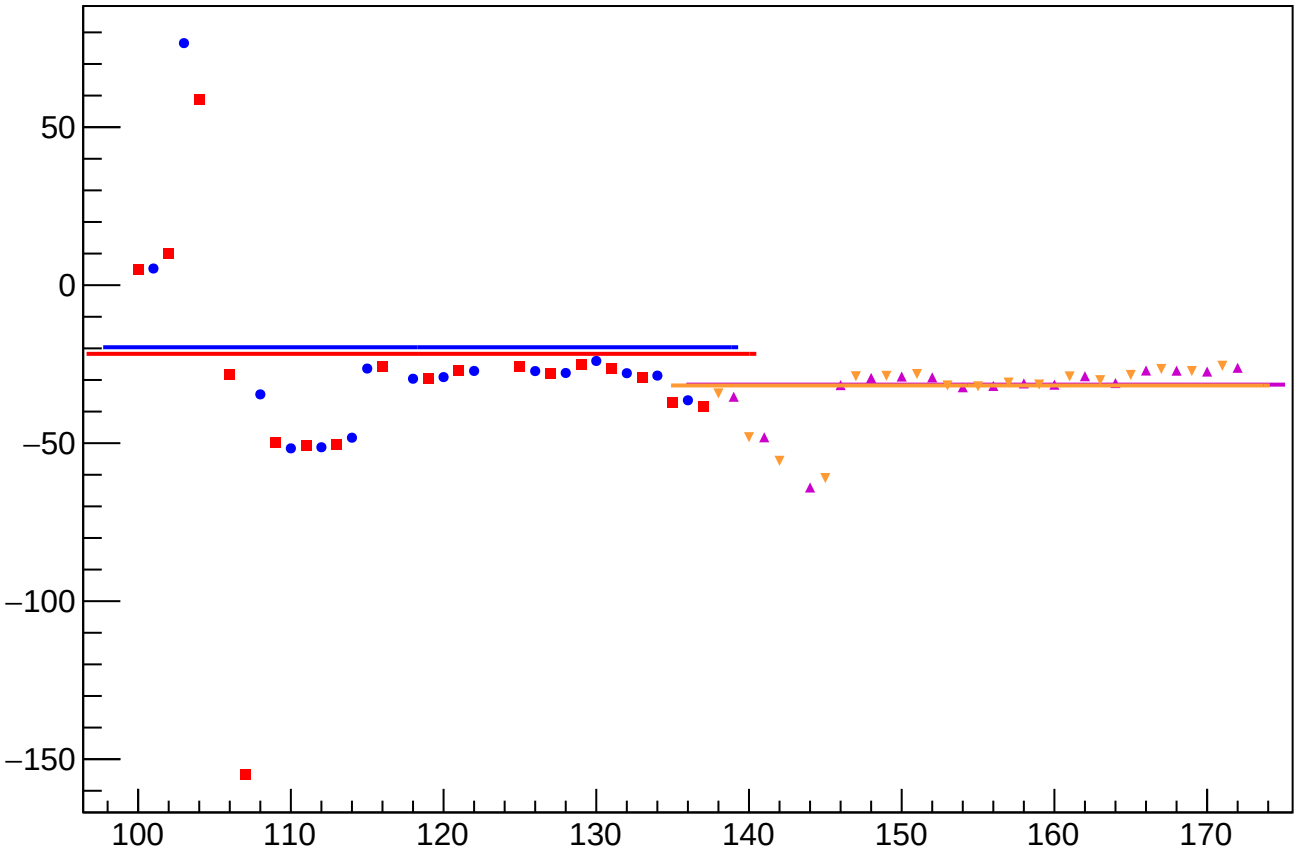
Left: 2.918+/-0.281 χ^2/NDF: 819.3/33

Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -2.355+/-0.331 χ^2/NDF:1615.7/32

Out: -1.993+/-0.336 χ^2/NDF:1362.3/34

All: -2.177+/-0.236 χ^2/NDF: 2978.5/67



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -31.738+/-0.018 χ^2/NDF:184635.8/16

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: -31.603+/-0.013 χ^2/NDF: 336677.8/33

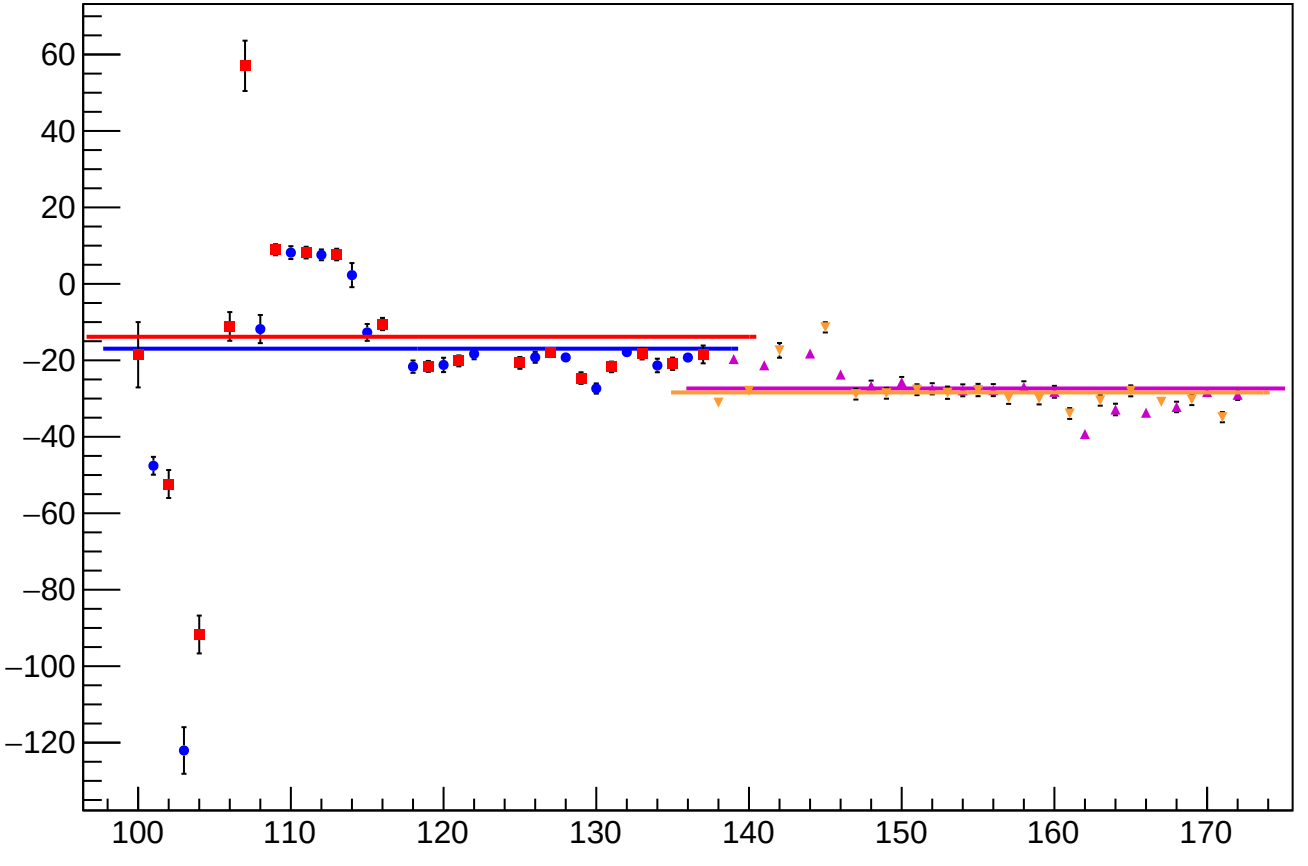
Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -29.170+/-0.016 χ^2/NDF:885289.9/32

Out: -29.931+/-0.017 χ^2/NDF:785568.0/34

All: -29.537+/-0.011 χ^2/NDF: 1671954.9/67

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: -28.397+/-0.340 χ^2/NDF:249.7/16

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -27.358+/-0.333 χ^2/NDF:266.5/16

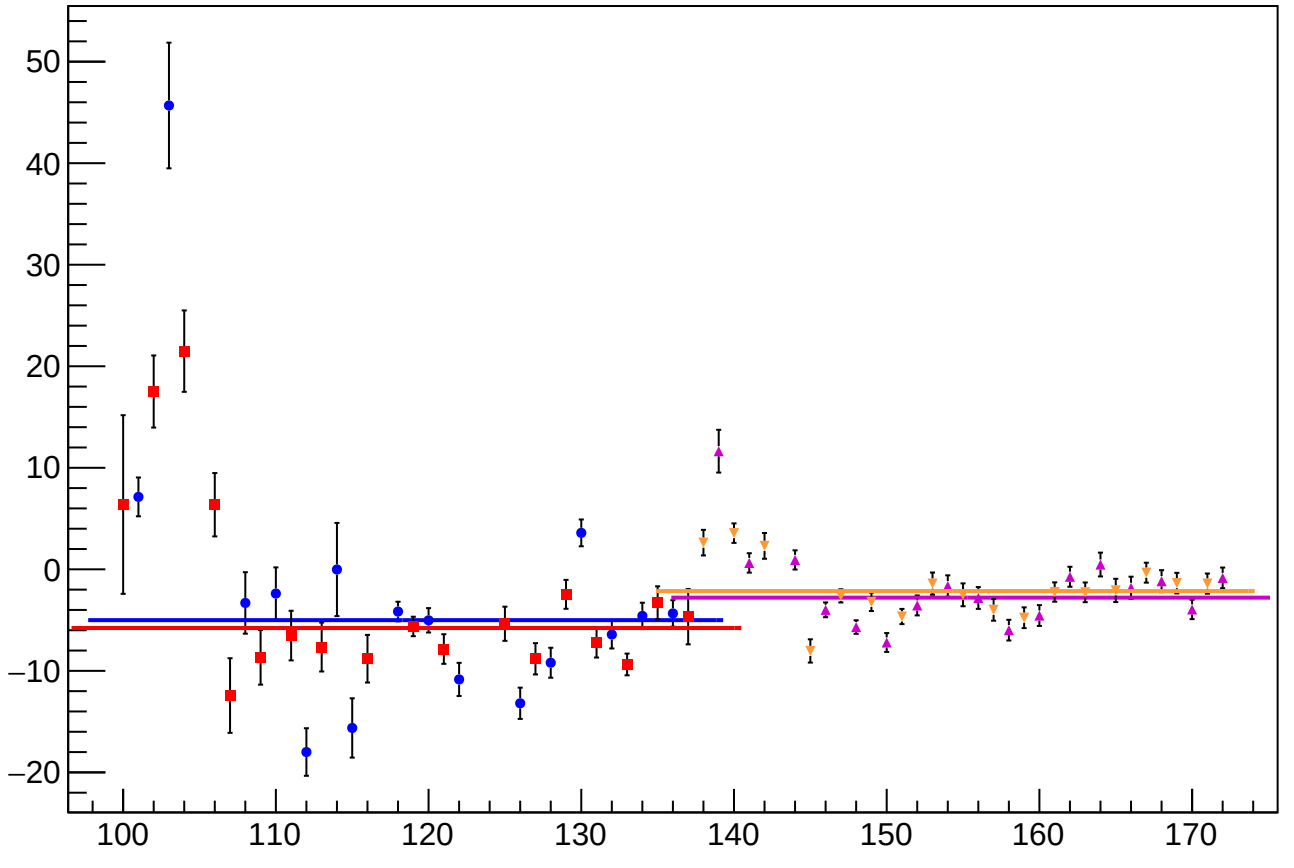
Left: -27.866+/-0.238 χ^2/NDF: 521.0/33

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -23.151+/-0.257 χ^2/NDF:1790.5/32

Out: -22.448+/-0.262 χ^2/NDF:2331.7/34

All: -22.806+/-0.183 χ^2/NDF: 4125.9/67



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -2.142+/-0.237 χ^2/NDF:116.2/16

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: -2.789+/-0.236 χ^2/NDF:154.1/16

Left: -2.466+/-0.167 χ^2/NDF: 274.1/33

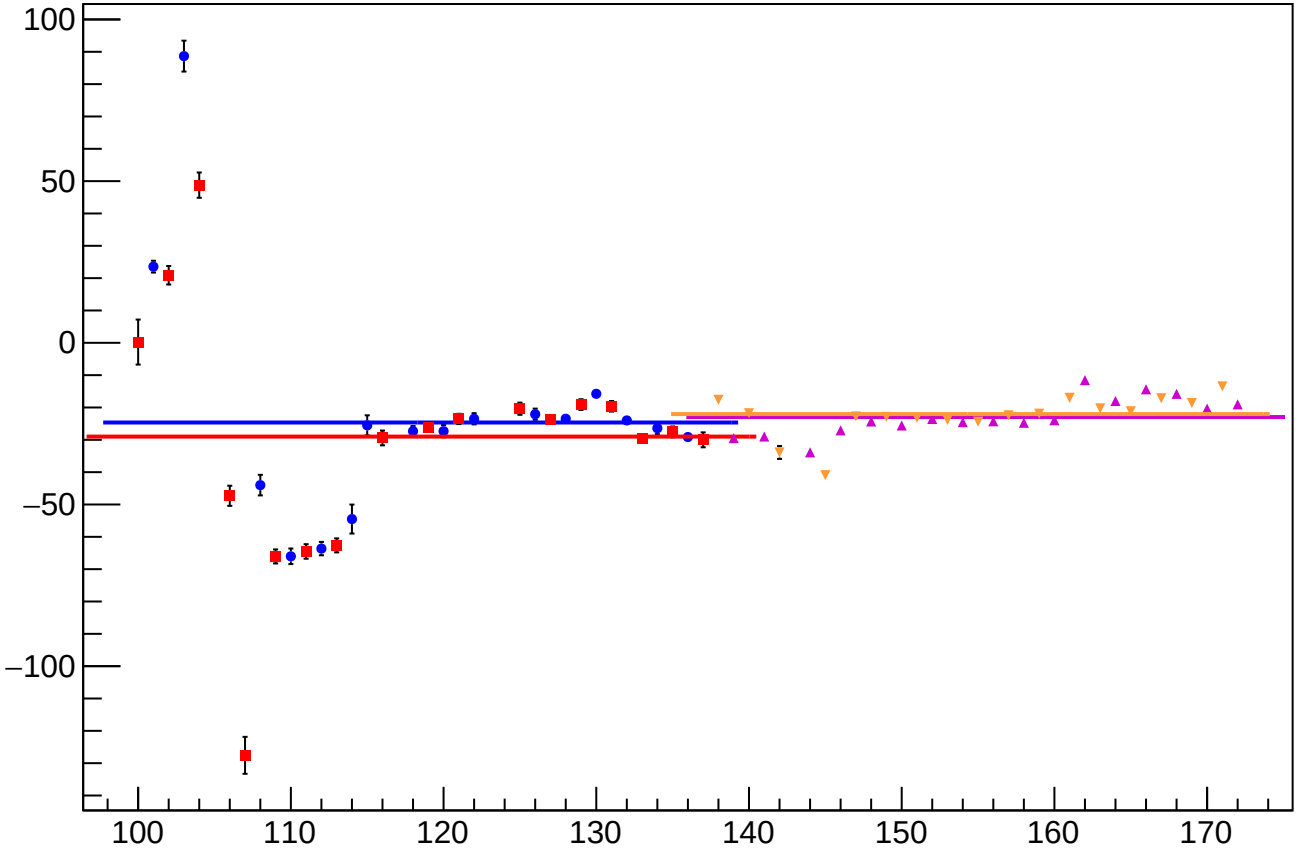
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -3.359+/-0.204 χ^2/NDF:424.5/32

Out: -3.020+/-0.206 χ^2/NDF:312.6/34

All: -3.192+/-0.145 χ^2/NDF: 738.5/67

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: -22.040+/-0.333 χ^2/NDF:324.0/16

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -22.956+/-0.325 χ^2/NDF:318.8/16

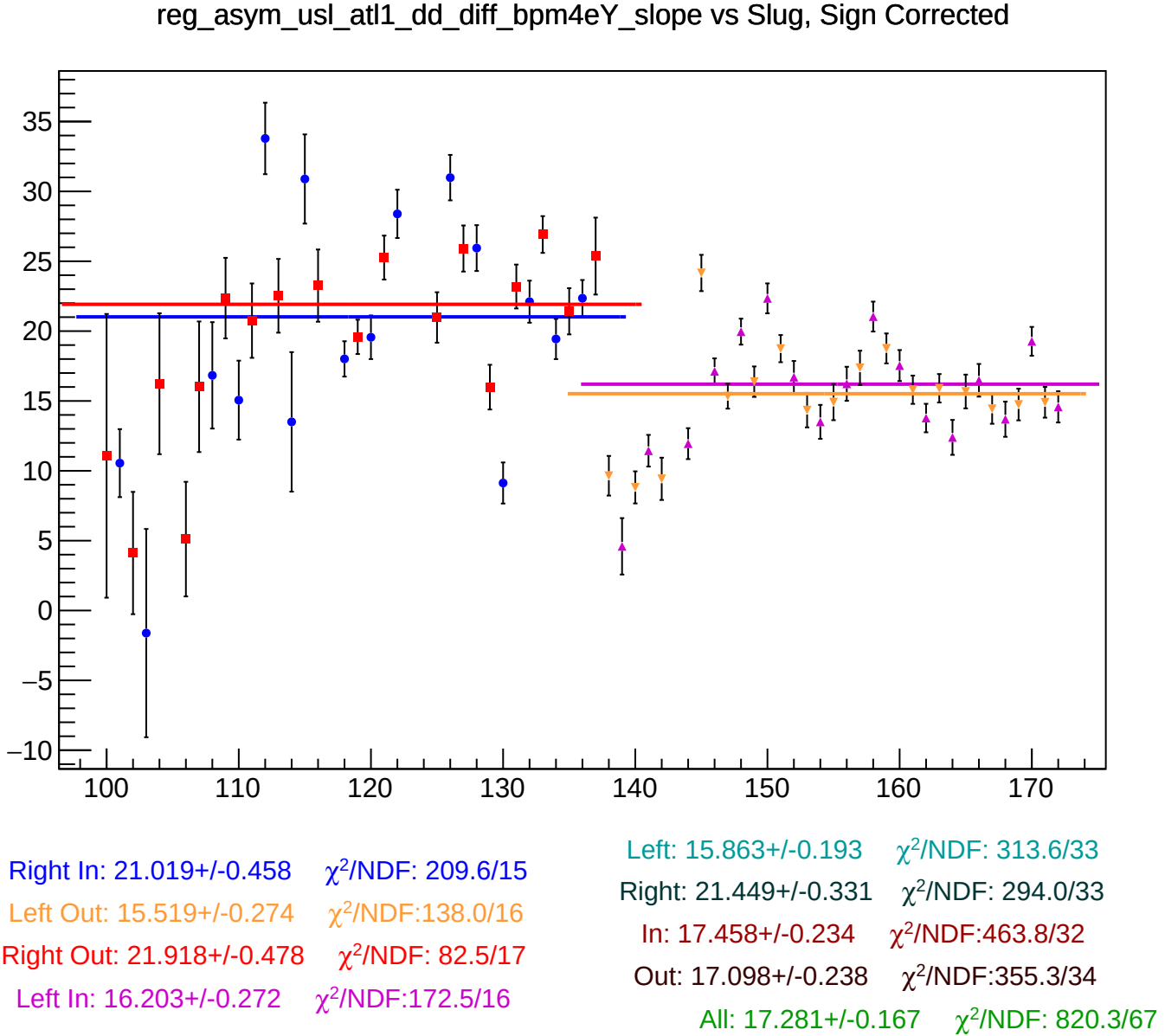
Left: -22.508+/-0.232 χ^2/NDF: 646.7/33

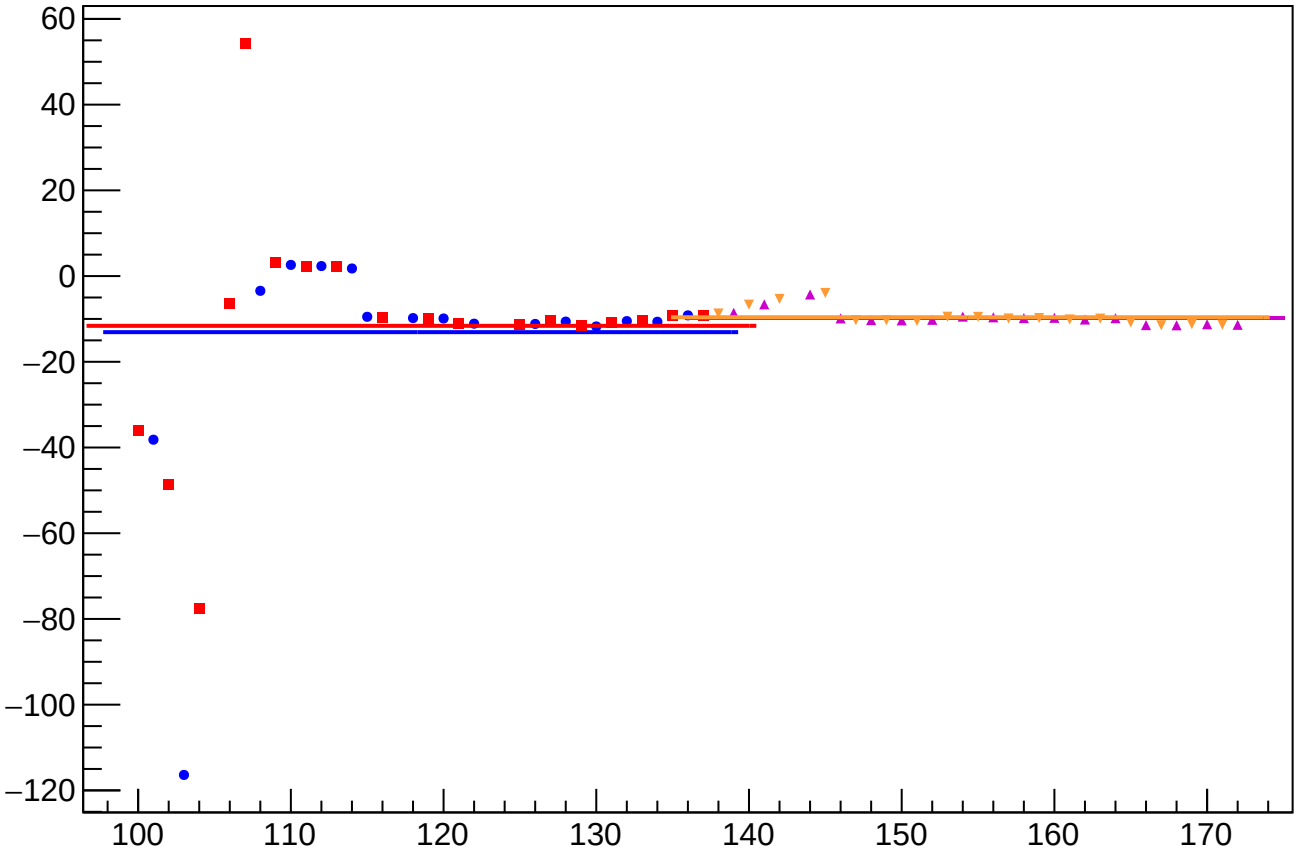
Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -23.526+/-0.264 χ^2/NDF:2379.7/32

Out: -24.328+/-0.272 χ^2/NDF:2420.4/34

All: -23.915+/-0.190 χ^2/NDF: 4804.6/67


reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
−5
−10
100
110
120
130
140
150
160
170
Right In: 21.019+/-0.458 χ2/NDF: 209.6/15
Left Out: 15.519+/-0.274 χ2/NDF:138.0/16
Right Out: 21.918+/-0.478 χ2/NDF: 82.5/17
Left In: 16.203+/-0.272 χ2/NDF:172.5/16
Left: 15.863+/-0.193 χ2/NDF: 313.6/33
Right: 21.449+/-0.331 χ2/NDF: 294.0/33
In: 17.458+/-0.234 χ2/NDF:463.8/32
Out: 17.098+/-0.238 χ2/NDF:355.3/34
All: 17.281+/-0.167 χ2/NDF: 820.3/67



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -9.605+/-0.012 χ^2/NDF:22789.3/16

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -9.783+/-0.012 χ^2/NDF:17772.5/16

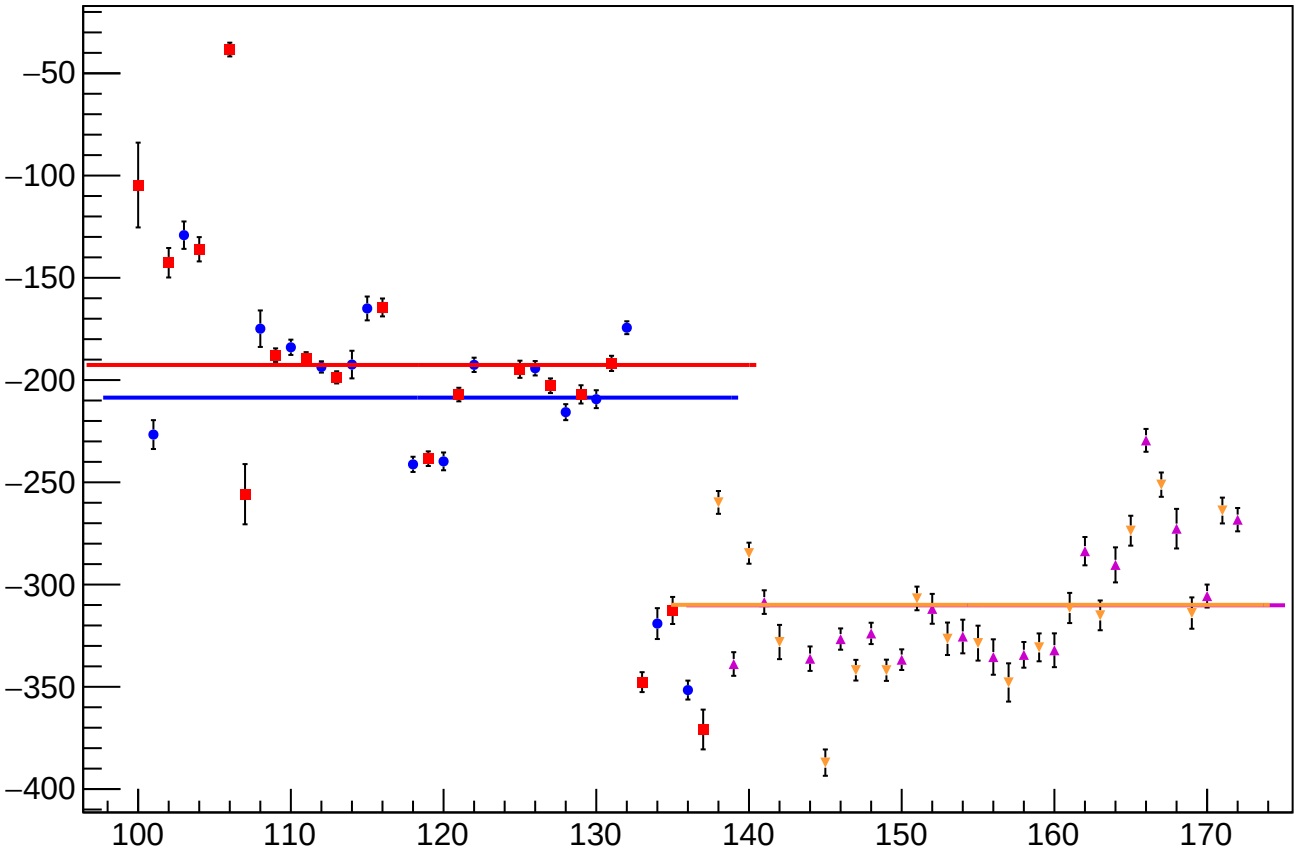
Left: -9.696+/-0.009 χ^2/NDF: 40667.8/33

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.287+/-0.011 χ^2/NDF:374166.9/32

Out: -9.882+/-0.011 χ^2/NDF:340602.7/34

All: -10.092+/-0.008 χ^2/NDF: 715412.8/67



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -309.914+/-1.575 χ^2/NDF:542.3/16

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -310.135+/-1.530 χ^2/NDF:420.3/16

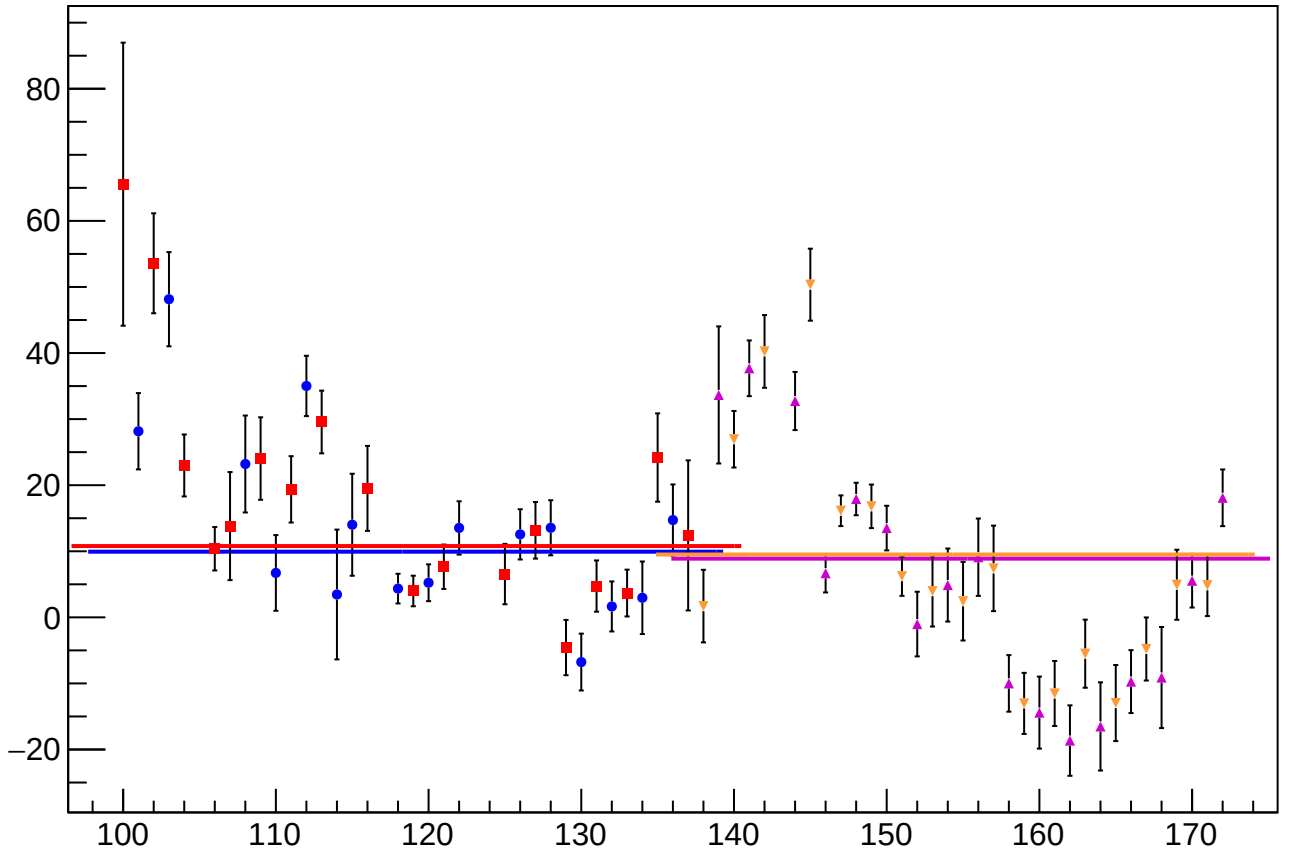
Left: -310.028+/-1.097 χ^2/NDF: 962.6/33

Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -241.796+/-0.875 χ^2/NDF:5136.4/32

Out: -226.257+/-0.844 χ^2/NDF:8704.3/34

All: -233.743+/-0.607 χ^2/NDF: 14004.3/67



Right In: 9.938+/-1.065 χ^2/NDF: 106.6/15

Left Out: 9.510+/-1.047 χ^2/NDF:199.3/16

Right Out: 10.788+/-1.044 χ^2/NDF: 105.1/17

Left In: 8.883+/-1.046 χ^2/NDF:207.3/16

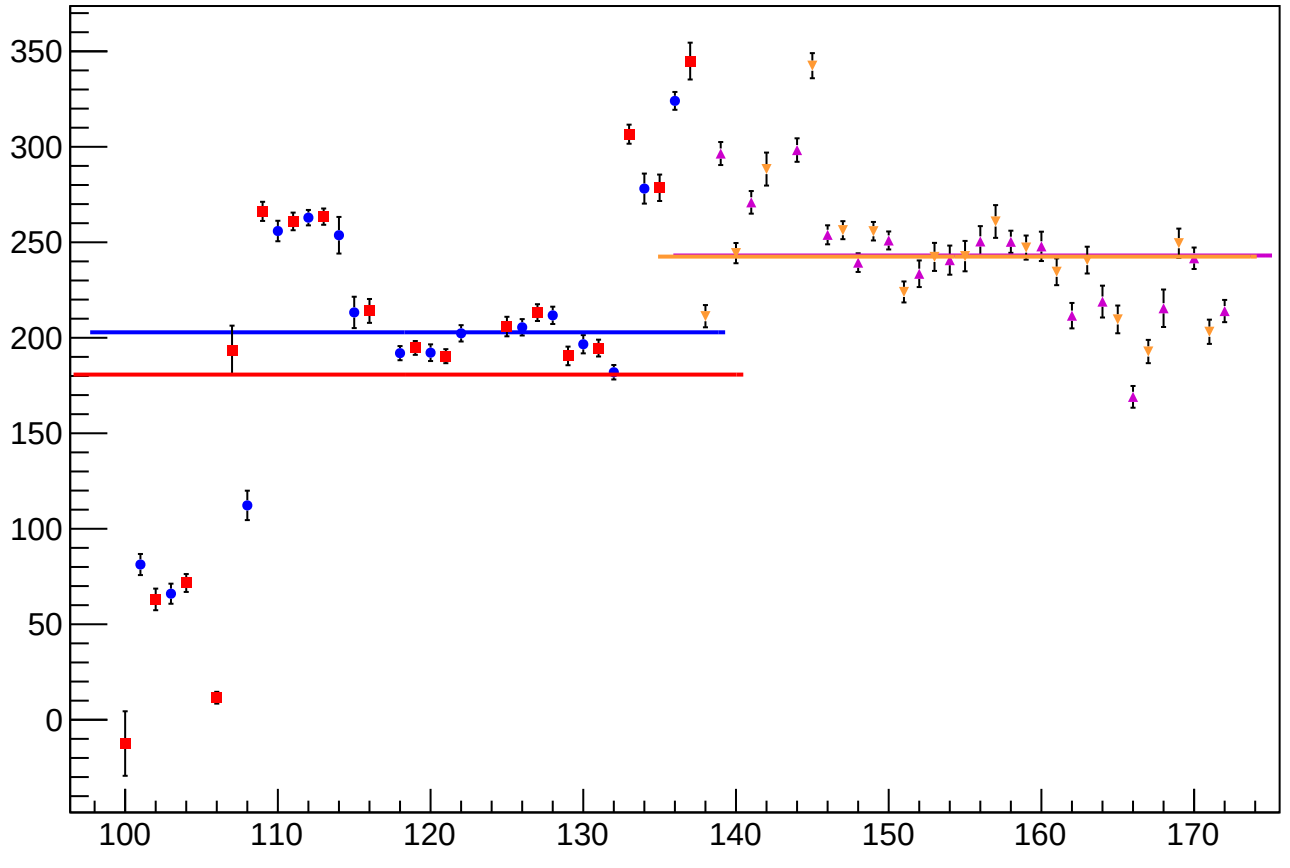
Left: 9.196+/-0.740 χ^2/NDF: 406.8/33

Right: 10.372+/-0.746 χ^2/NDF: 212.0/33

In: 9.401+/-0.746 χ^2/NDF:314.4/32

Out: 10.151+/-0.739 χ^2/NDF:305.1/34

All: 9.780+/-0.525 χ^2/NDF: 620.0/67



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 242.512+/-1.536 χ^2/NDF:448.4/16

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: 242.808+/-1.070 χ^2/NDF: 874.9/33

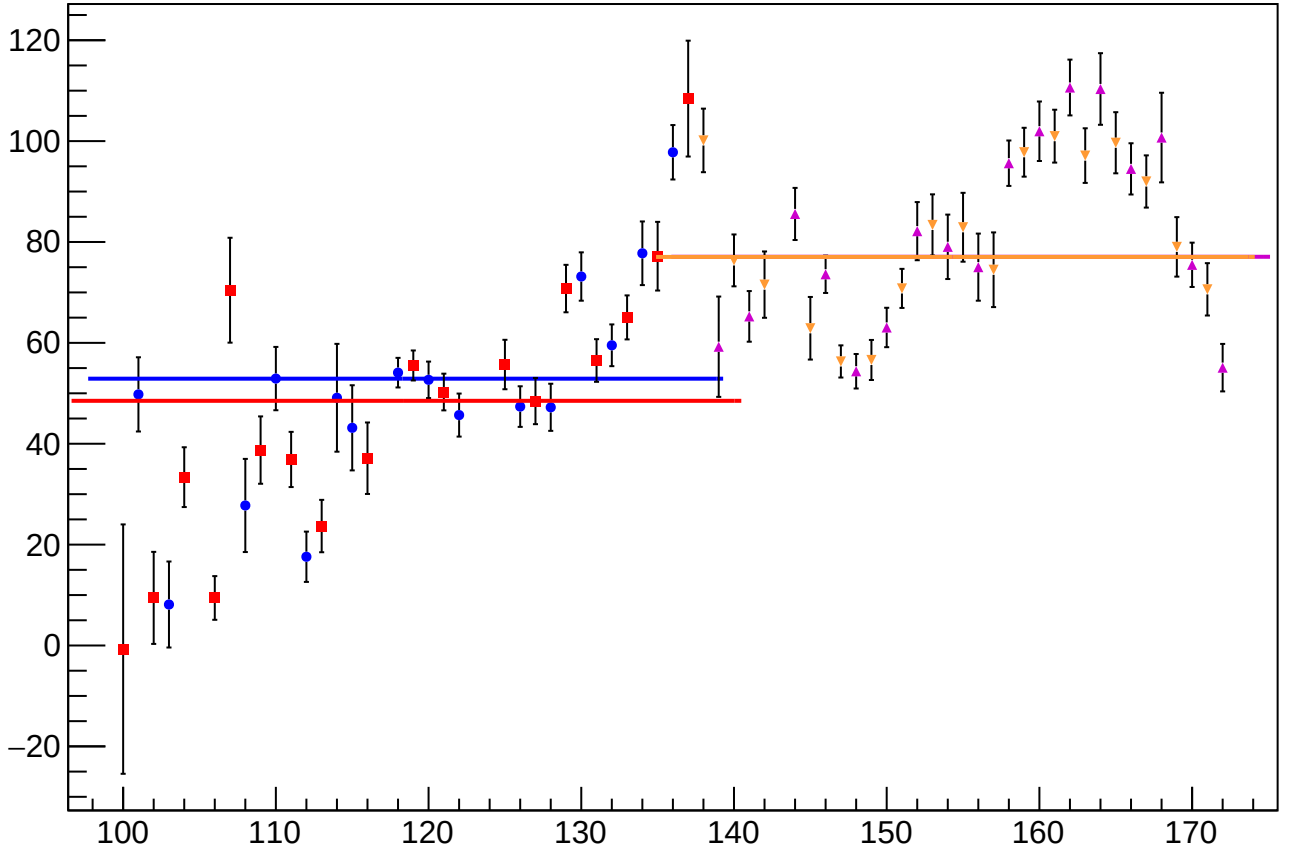
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 219.077+/-0.947 χ^2/NDF:3324.4/32

Out: 202.760+/-0.917 χ^2/NDF:7836.9/34

All: 210.659+/-0.659 χ^2/NDF: 11314.5/67

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: 77.036+/-1.239 χ^2/NDF:169.6/16

Right Out: 48.510+/-1.214 χ^2/NDF: 240.0/17

Left In: 77.067+/-1.224 χ^2/NDF:204.6/16

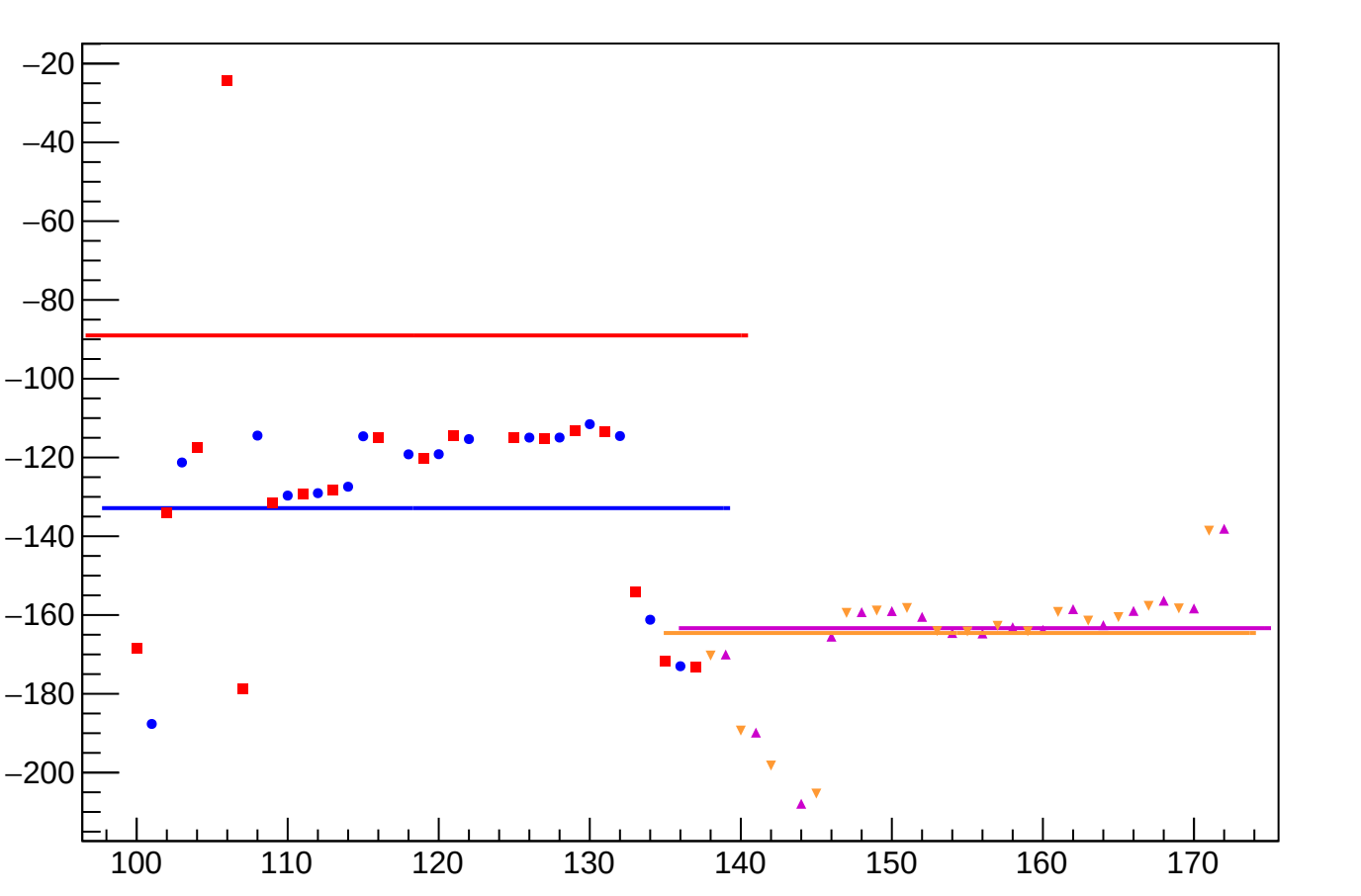
Left: 77.052+/-0.871 χ^2/NDF: 374.1/33

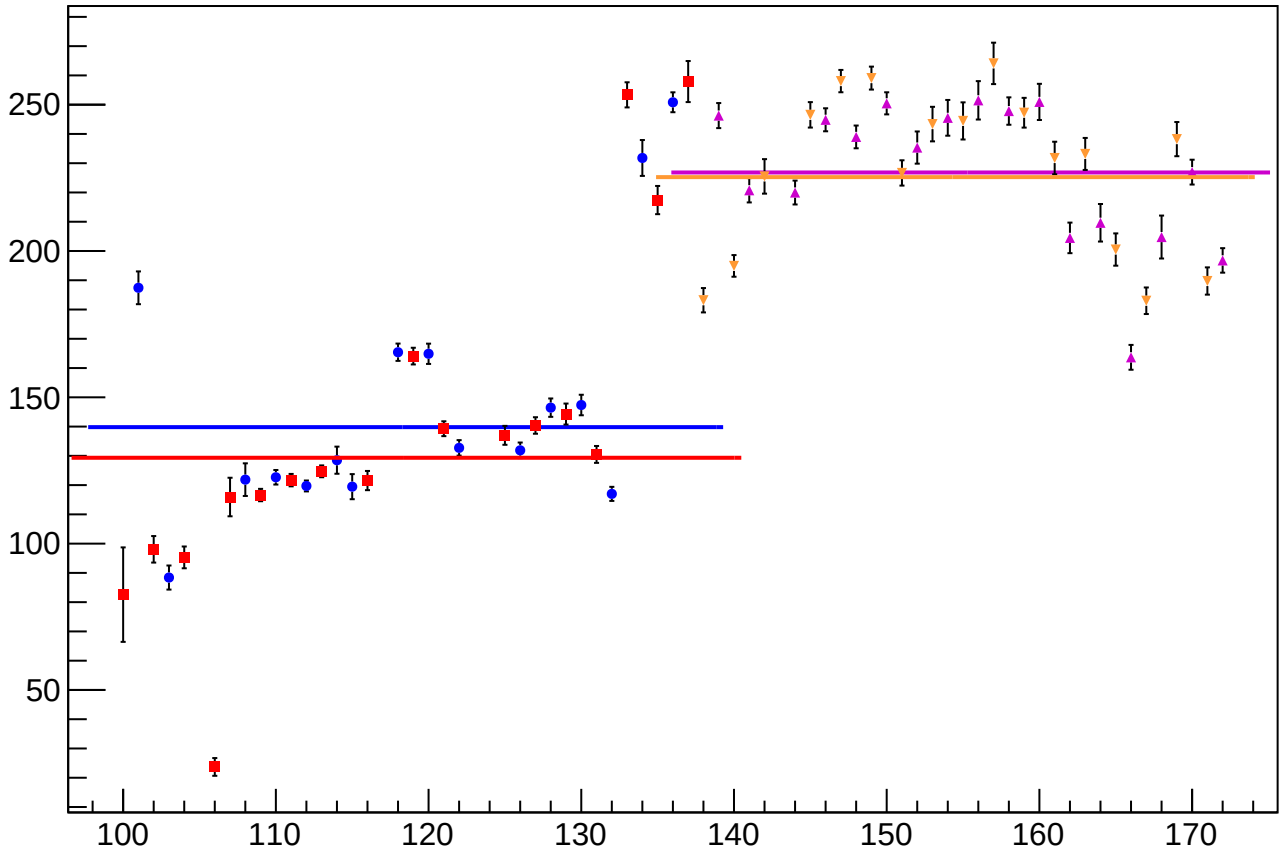
Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 65.153+/-0.872 χ^2/NDF:595.0/32

Out: 62.480+/-0.867 χ^2/NDF:679.8/34

All: 63.810+/-0.615 χ^2/NDF: 1279.6/67


reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
−160
−180
−200
100
110
120
130
140
150
160
170
Right In: -132.856+/-0.081 χ²/NDF: 93497.9/15
Left Out: -164.564+/-0.059 χ²/NDF:64515.1/16
Right Out: -89.020+/-0.064 χ²/NDF: 728110.1/17
Left In: -163.333+/-0.056 χ²/NDF:58049.0/16
Left: -163.923+/-0.041 χ²/NDF: 122793.9/33
Right: -105.832+/-0.050 χ²/NDF: 1000593.4/33
In: -153.473+/-0.046 χ²/NDF:246486.3/32
Out: -130.217+/-0.043 χ²/NDF:1548470.1/34
All: -141.065+/-0.032 χ²/NDF: 1929714.5/67



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 225.242+/-1.167 χ^2/NDF:582.7/16

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 226.833+/-1.135 χ^2/NDF:464.6/16

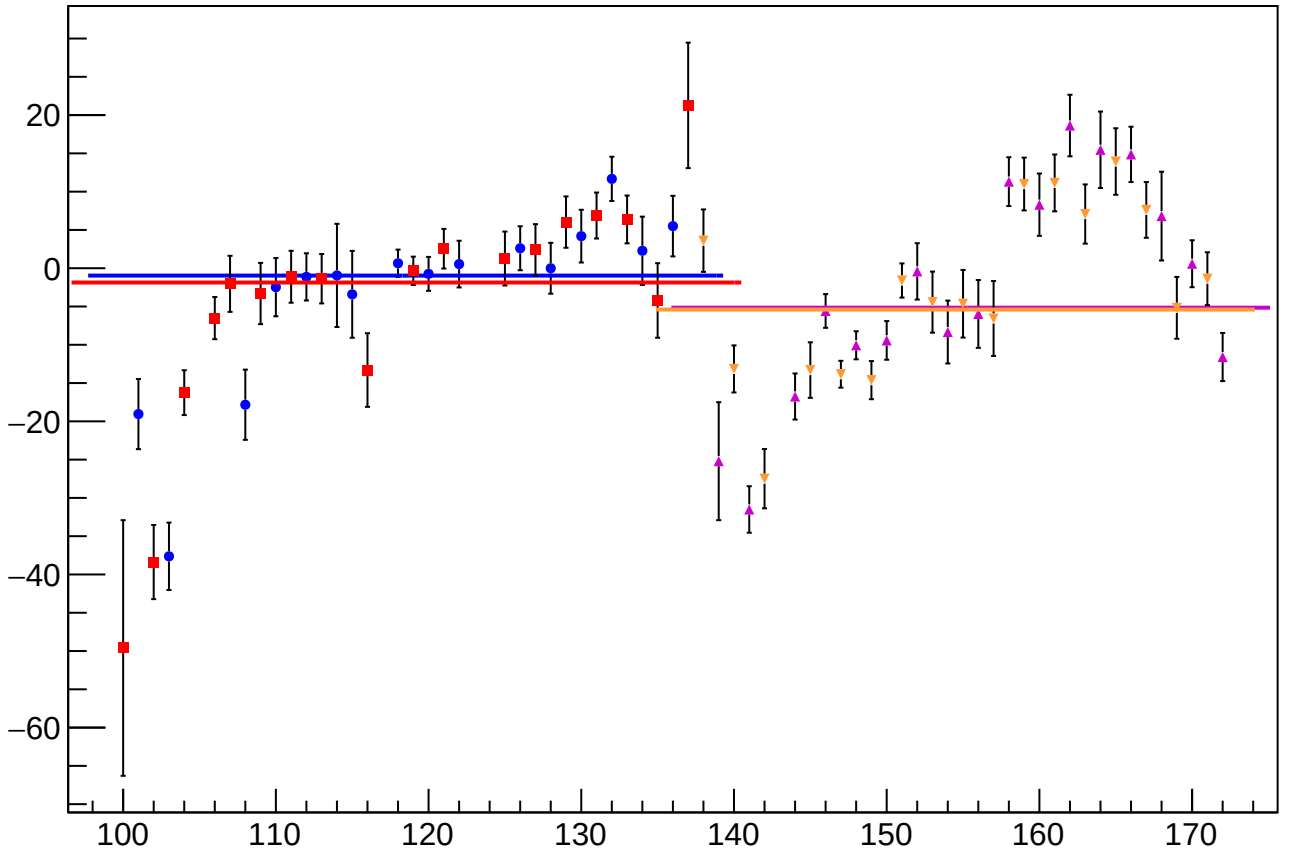
Left: 226.059+/-0.814 χ^2/NDF: 1048.3/33

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 167.946+/-0.645 χ^2/NDF:6407.3/32

Out: 156.544+/-0.621 χ^2/NDF:8544.4/34

All: 162.030+/-0.448 χ^2/NDF: 15113.7/67



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -5.401+/-0.779 χ^2/NDF:175.3/16

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -5.154+/-0.777 χ^2/NDF:241.6/16

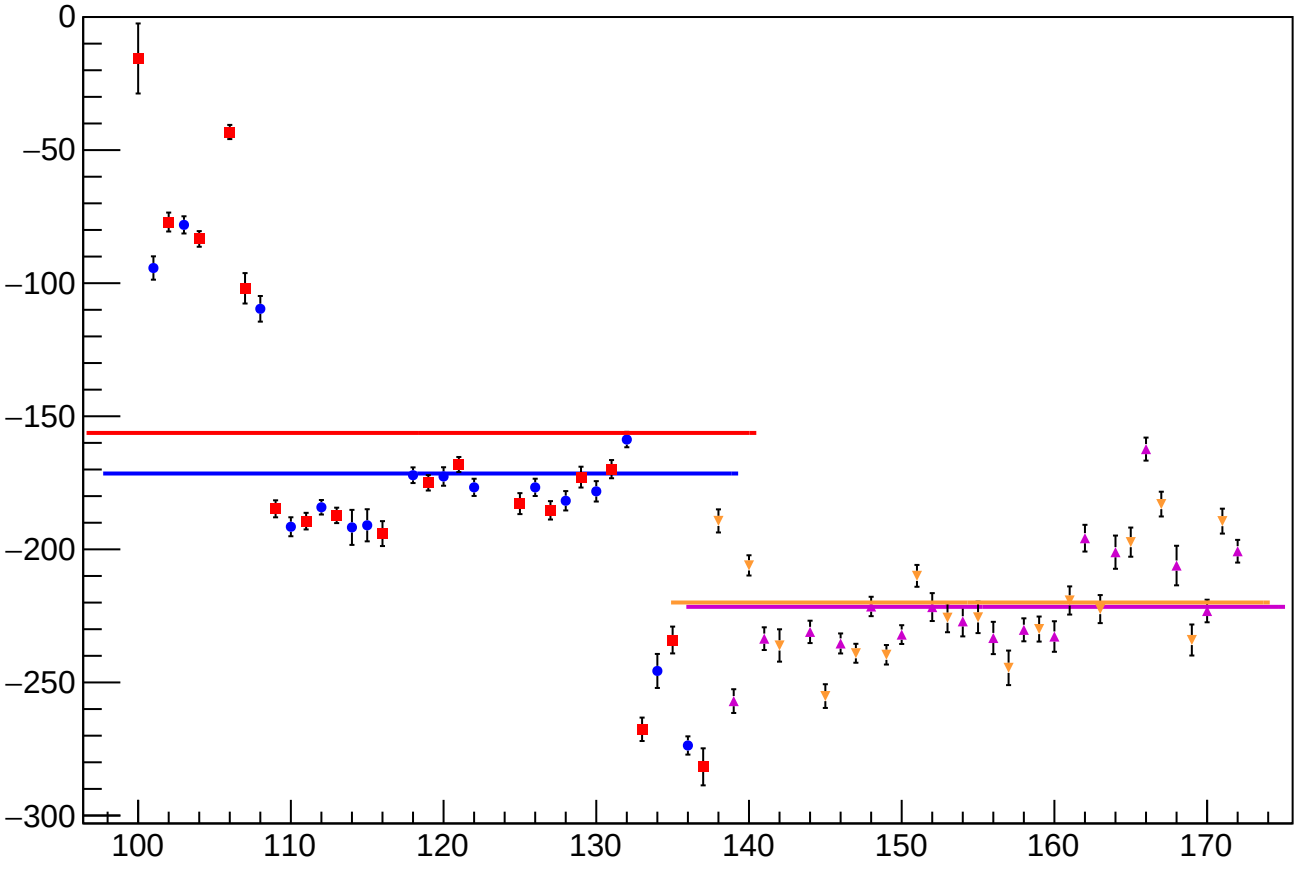
Left: -5.278+/-0.550 χ^2/NDF: 417.0/33

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -3.141+/-0.560 χ^2/NDF:381.7/32

Out: -3.646+/-0.552 χ^2/NDF:318.7/34

All: -3.397+/-0.393 χ^2/NDF: 700.8/67



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -219.967+/-1.140 χ^2/NDF:345.8/16

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -221.599+/-1.108 χ^2/NDF:363.9/16

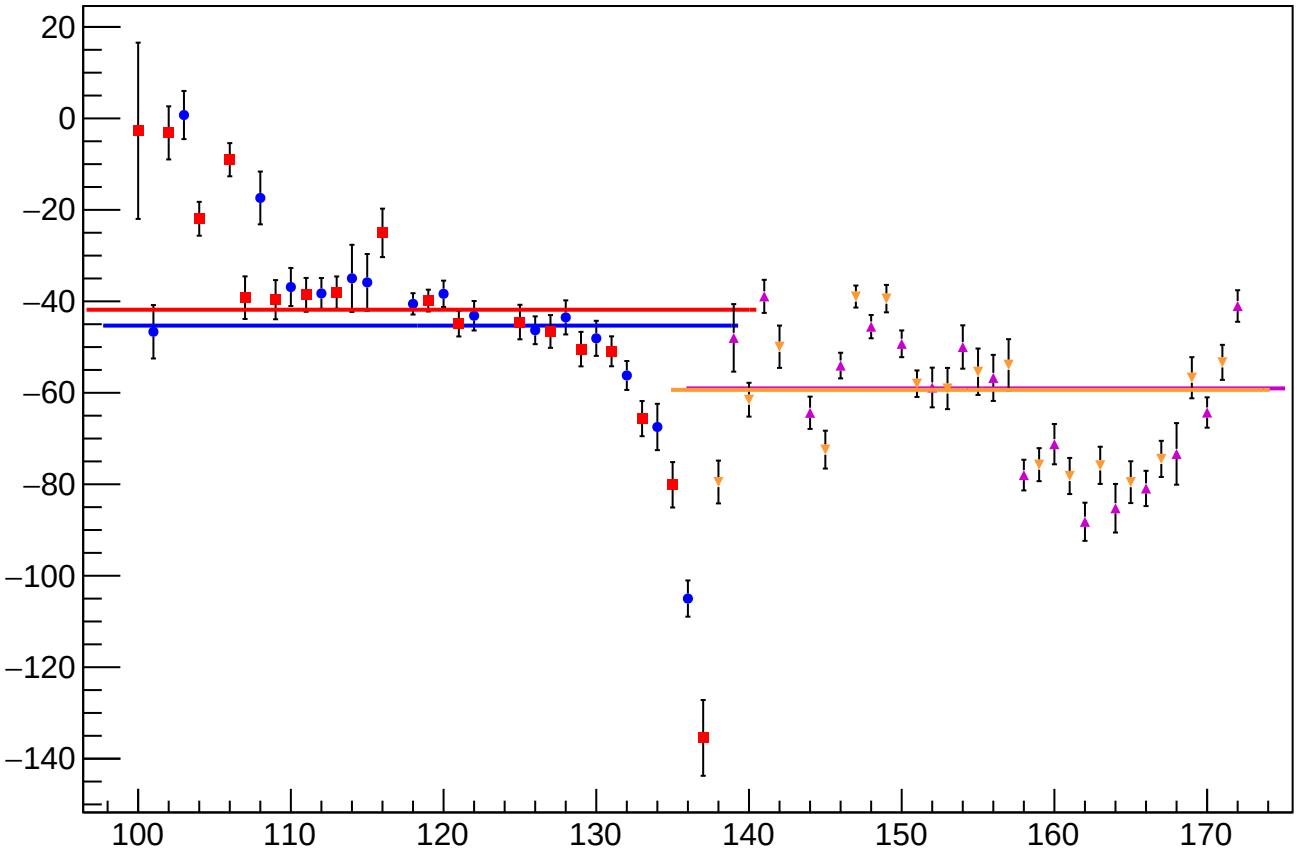
Left: -220.806+/-0.794 χ^2/NDF: 710.7/33

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -191.601+/-0.702 χ^2/NDF:4030.8/32

Out: -178.937+/-0.680 χ^2/NDF:7262.3/34

All: -185.070+/-0.488 χ^2/NDF: 11461.1/67



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -59.352+/-0.921 χ^2/NDF:247.6/16

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: -59.191+/-0.647 χ^2/NDF: 508.7/33

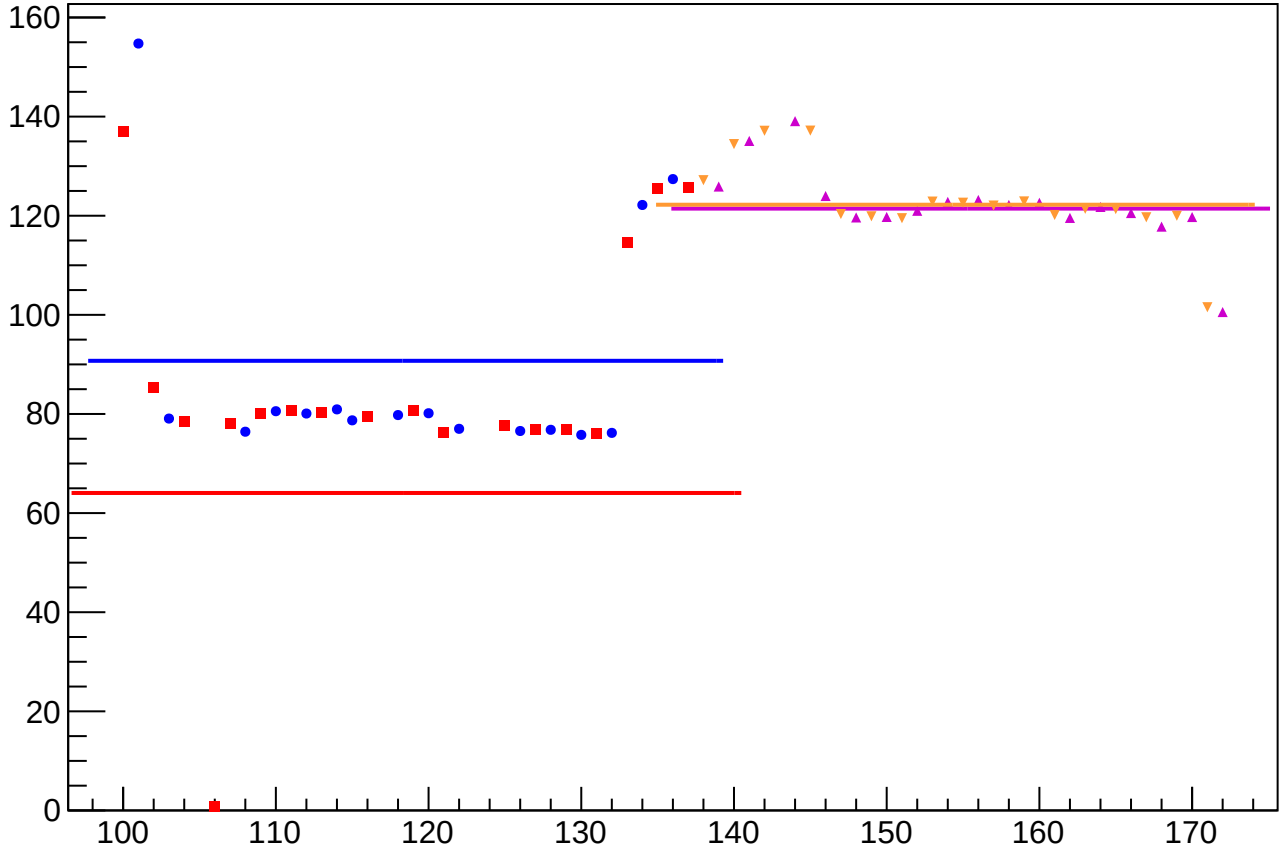
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -52.375+/-0.653 χ^2/NDF:753.5/32

Out: -50.476+/-0.647 χ^2/NDF:845.0/34

All: -51.417+/-0.460 χ^2/NDF: 1602.8/67

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: 122.220+/-0.044 χ^2/NDF:35189.8/16

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 121.435+/-0.042 χ^2/NDF:37233.8/16

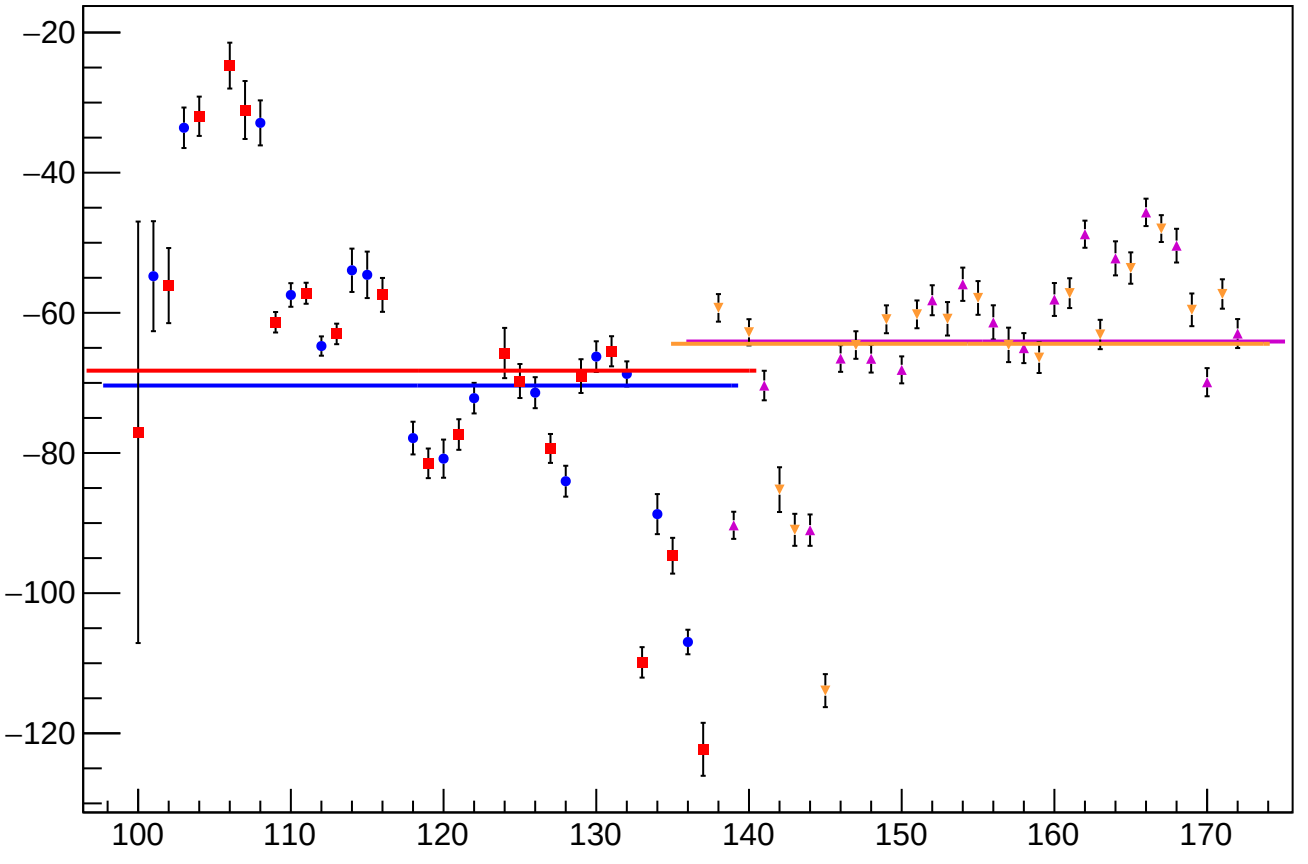
Left: 121.812+/-0.030 χ^2/NDF: 72592.2/33

Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 111.035+/-0.034 χ^2/NDF:380732.7/32

Out: 96.733+/-0.033 χ^2/NDF:1478138.8/34

All: 103.583+/-0.024 χ^2/NDF: 1950867.1/67



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -64.416+/-0.511 χ^2/NDF:769.2/17

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: -64.255+/-0.362 χ^2/NDF: 1357.8/34

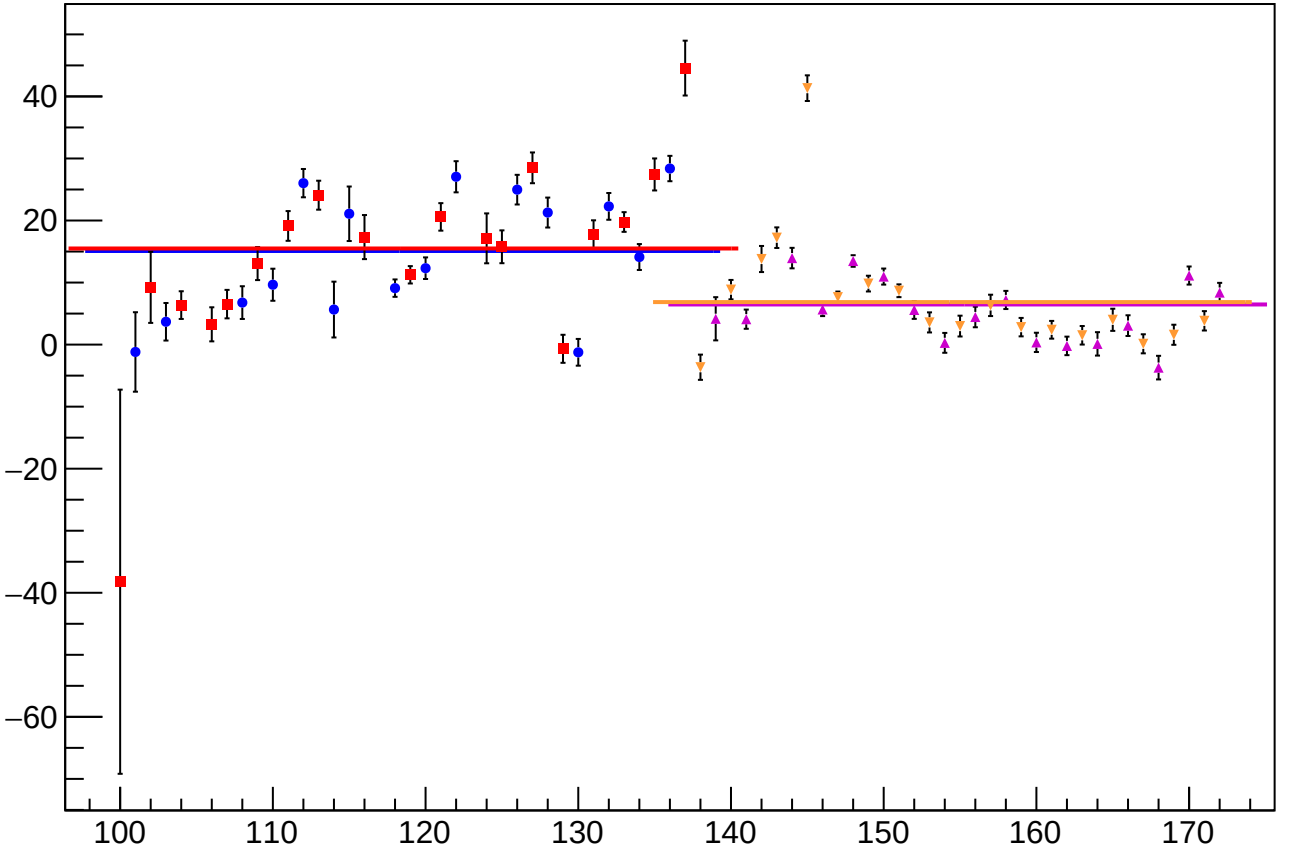
Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -66.967+/-0.377 χ^2/NDF:1632.1/32

Out: -66.275+/-0.367 χ^2/NDF:2102.5/36

All: -66.611+/-0.263 χ^2/NDF: 3736.3/69

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 6.853+/-0.348 χ^2/NDF:441.0/17

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 6.468+/-0.357 χ^2/NDF:200.7/16

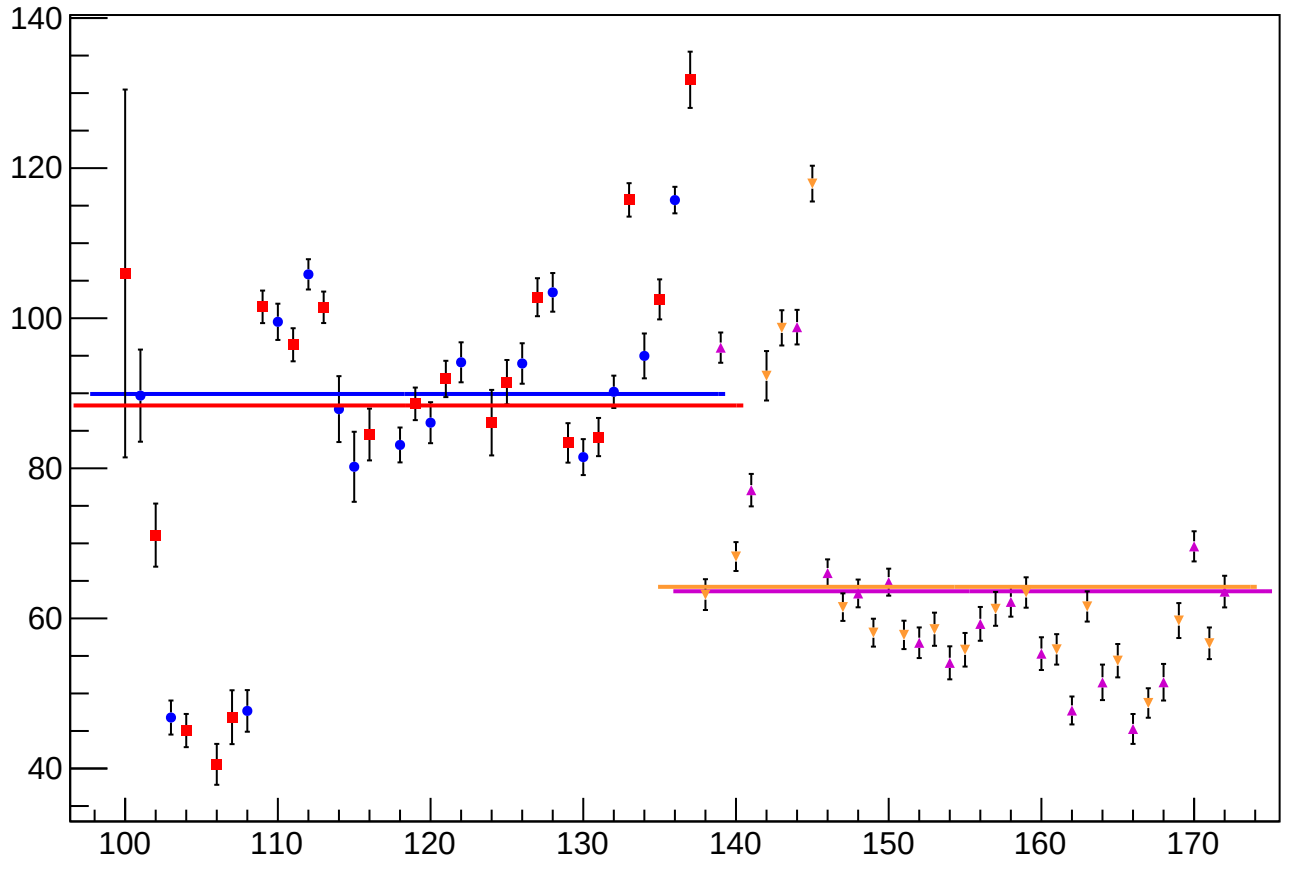
Left: 6.665+/-0.249 χ^2/NDF: 642.3/34

Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 8.832+/-0.304 χ^2/NDF:603.2/32

Out: 9.272+/-0.295 χ^2/NDF:852.7/36

All: 9.058+/-0.212 χ^2/NDF: 1457.0/69



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 64.209+/-0.498 χ^2/NDF:965.2/17

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 63.616+/-0.499 χ^2/NDF:799.7/16

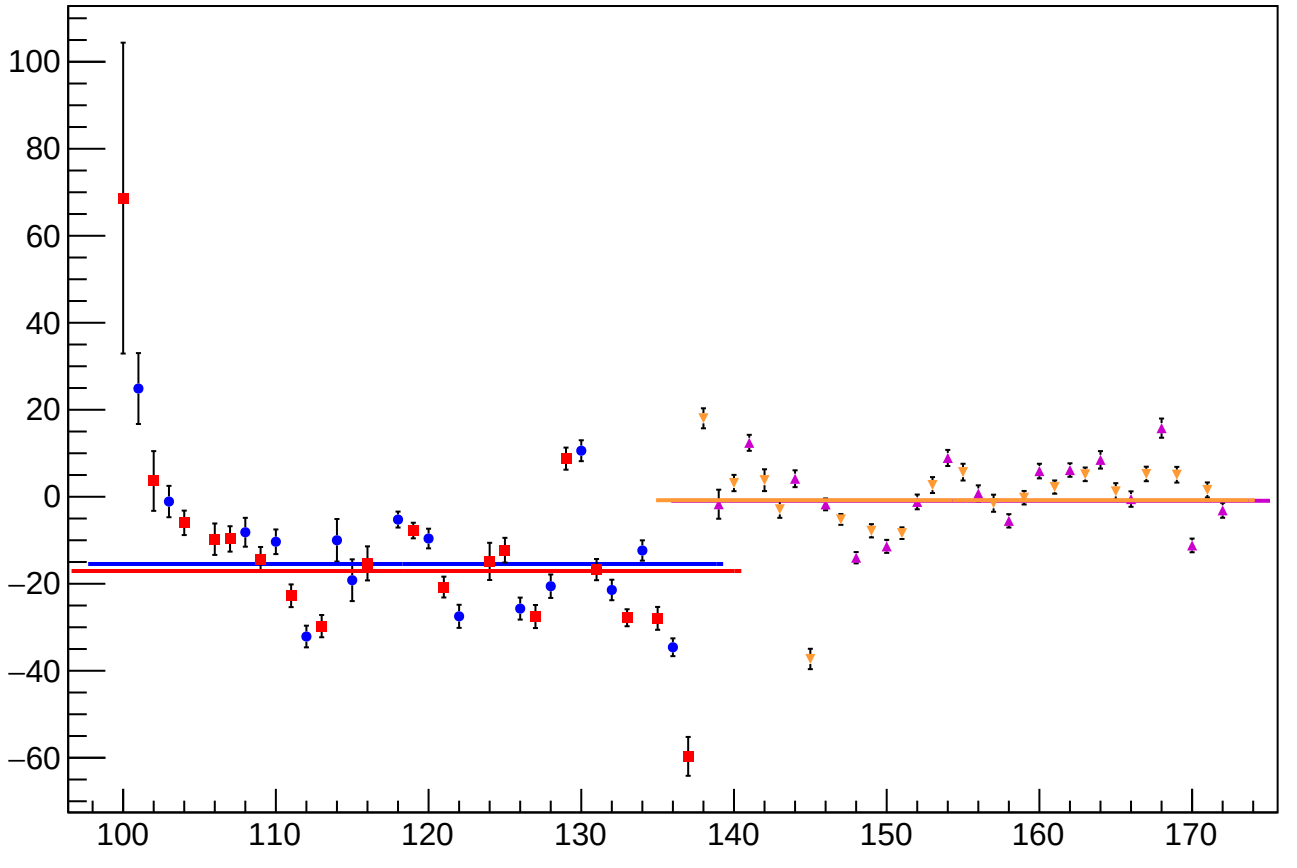
Left: 63.912+/-0.352 χ^2/NDF: 1765.5/34

Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 73.534+/-0.394 χ^2/NDF:2796.1/32

Out: 73.740+/-0.388 χ^2/NDF:3181.8/36

All: 73.639+/-0.276 χ^2/NDF: 5978.0/69



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -0.793+/-0.406 χ^2/NDF:444.8/17

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -0.923+/-0.413 χ^2/NDF:409.6/16

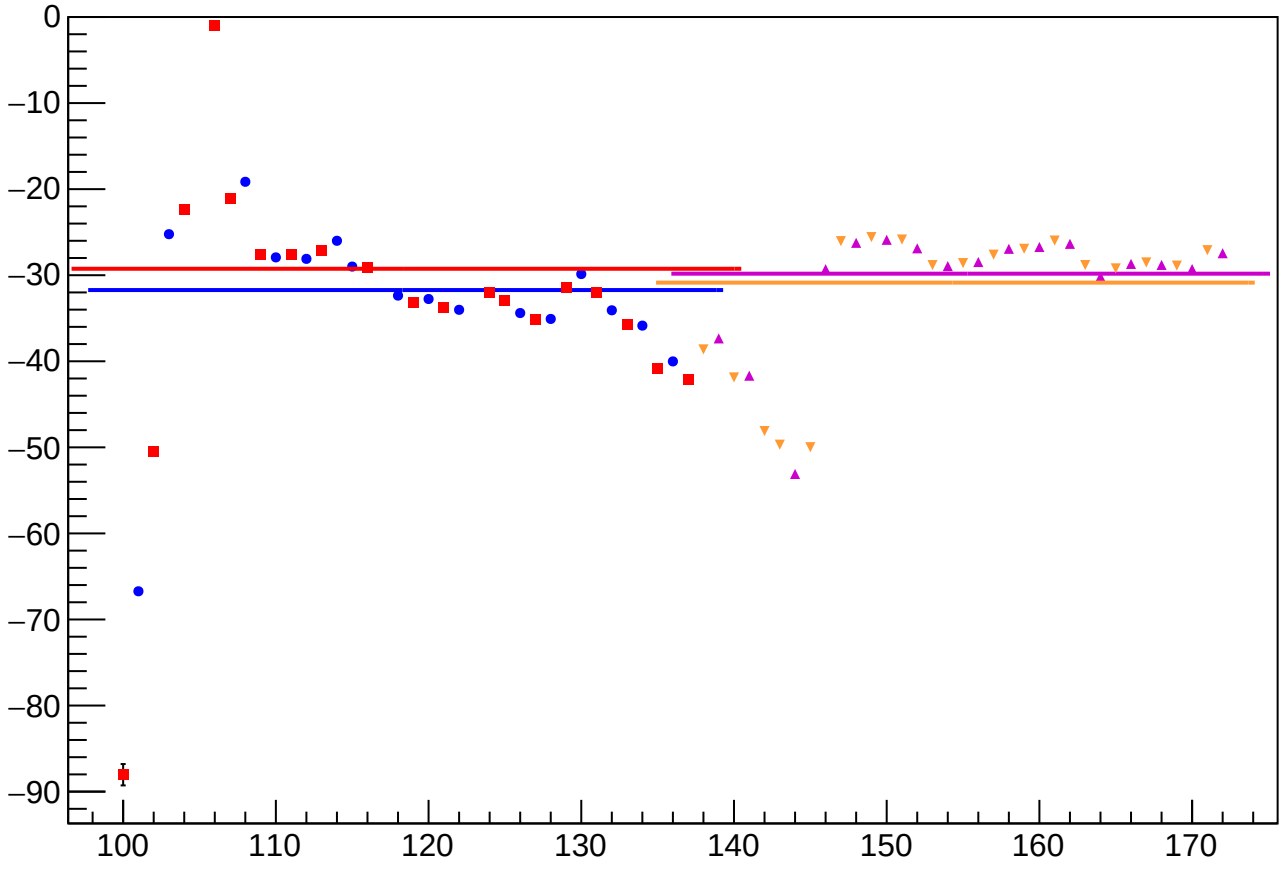
Left: -0.857+/-0.289 χ^2/NDF: 854.4/34

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -4.964+/-0.351 χ^2/NDF:1140.3/32

Out: -5.423+/-0.343 χ^2/NDF:1263.1/36

All: -5.198+/-0.245 χ^2/NDF: 2404.3/69



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -30.861+/-0.019 χ^2/NDF:150411.4/17

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -29.822+/-0.019 χ^2/NDF:94547.2/16

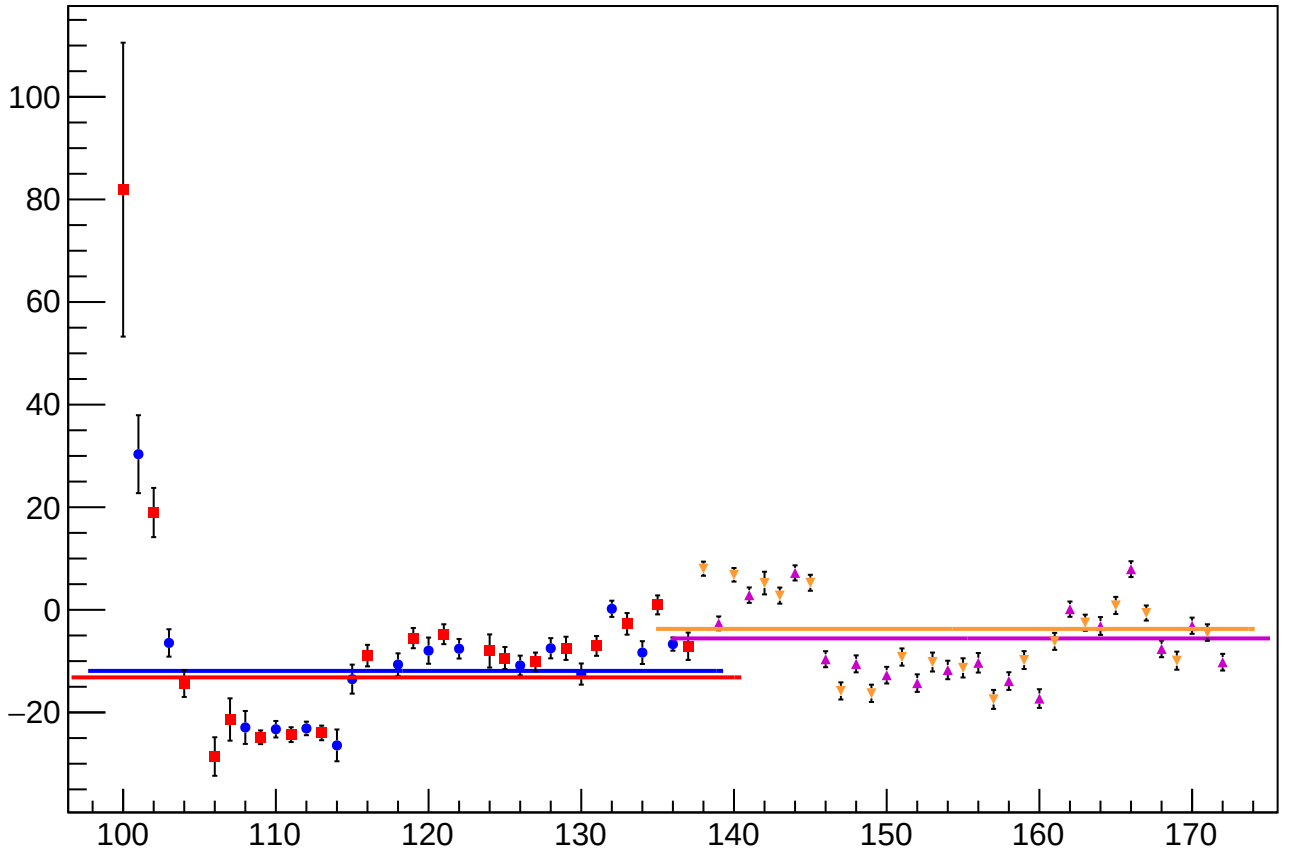
Left: -30.338+/-0.013 χ^2/NDF: 246522.4/34

Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -30.179+/-0.017 χ^2/NDF:136166.8/32

Out: -30.554+/-0.017 χ^2/NDF:247069.7/36

All: -30.365+/-0.012 χ^2/NDF: 383487.2/69



Right In: -11.906+/-0.497 χ^2/NDF: 282.1/15

Left Out: -3.716+/-0.387 χ^2/NDF:444.2/17

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: -4.635+/-0.275 χ^2/NDF: 815.9/34

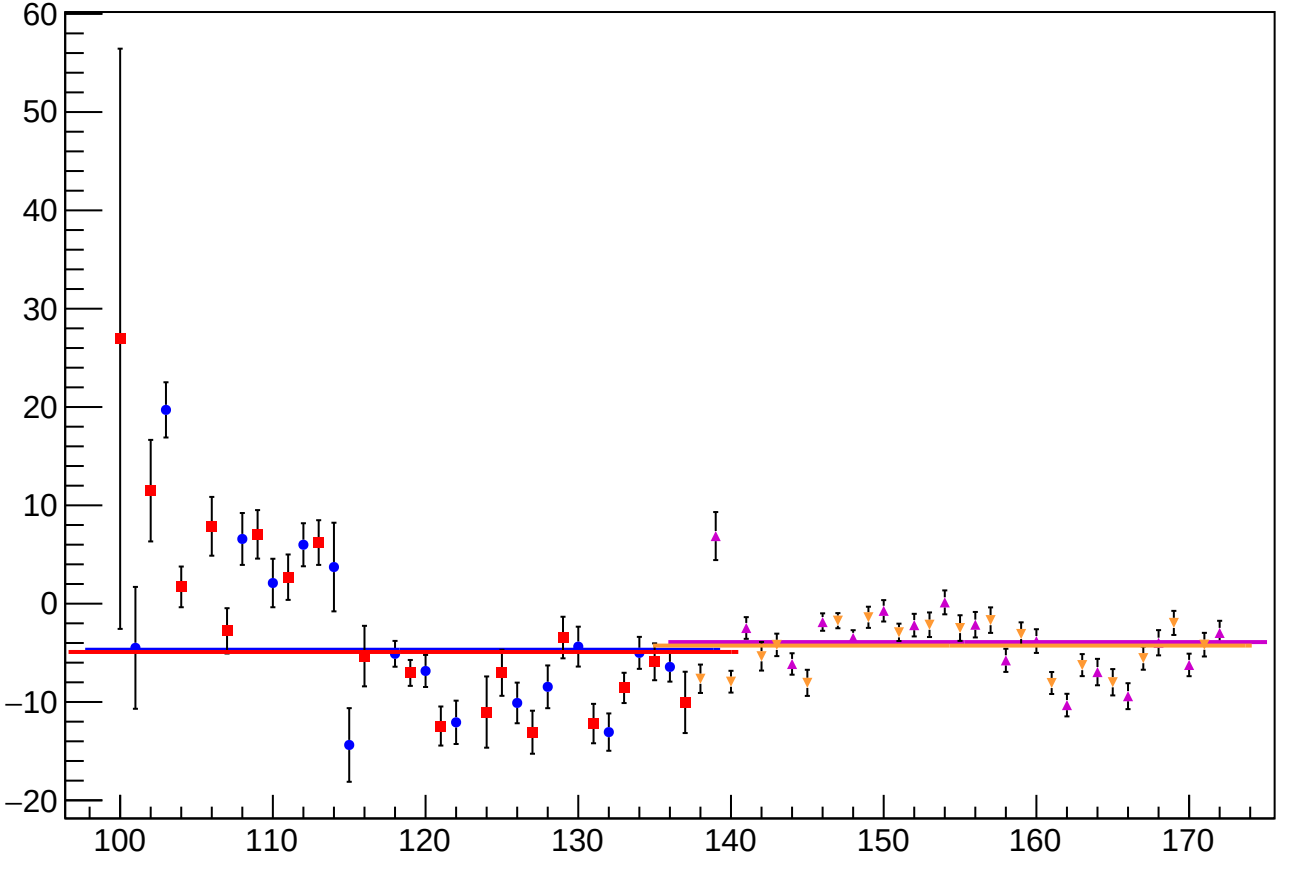
Right: -12.559+/-0.345 χ^2/NDF: 706.9/34

In: -7.999+/-0.307 χ^2/NDF:742.6/32

Out: -7.438+/-0.301 χ^2/NDF:1100.7/36

All: -7.713+/-0.215 χ^2/NDF: 1845.0/69

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.263+/-0.270 χ^2/NDF:82.4/17

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -3.908+/-0.278 χ^2/NDF:115.4/16

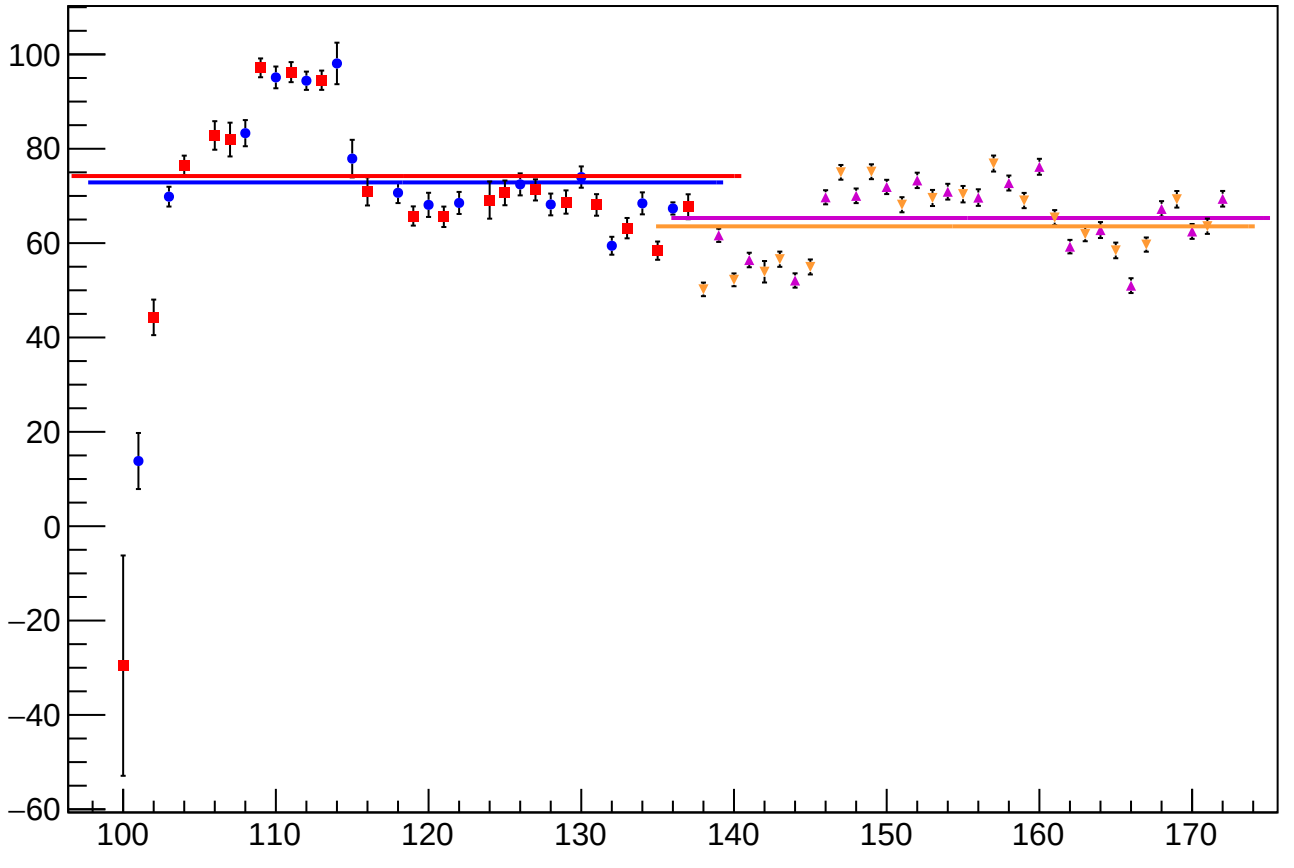
Left: -4.091+/-0.194 χ^2/NDF: 198.6/34

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -4.082+/-0.245 χ^2/NDF:296.2/32

Out: -4.405+/-0.239 χ^2/NDF:239.5/36

All: -4.247+/-0.171 χ^2/NDF: 536.6/69



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 63.555+/-0.380 χ^2/NDF:467.0/17

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 65.323+/-0.382 χ^2/NDF:370.9/16

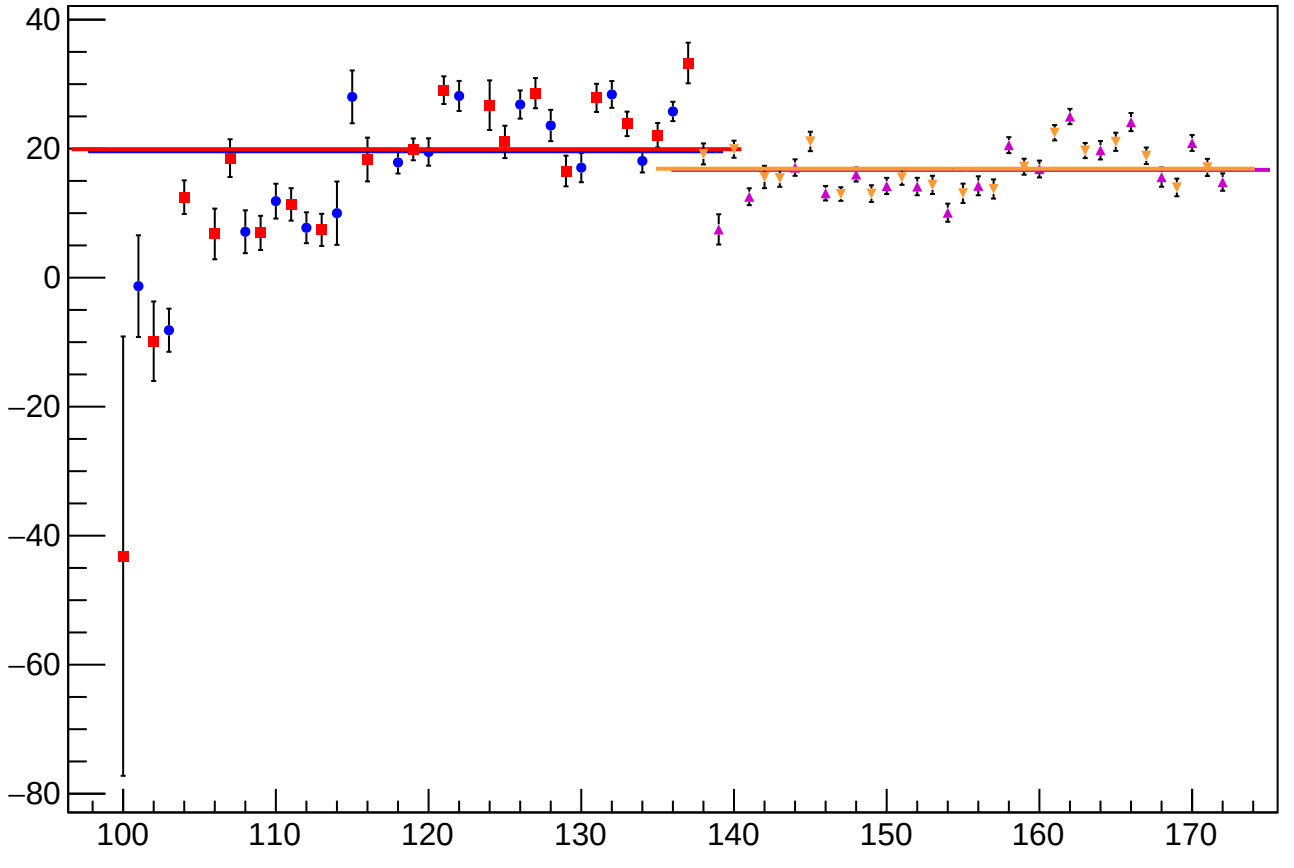
Left: 64.432+/-0.269 χ^2/NDF: 848.6/34

Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 67.691+/-0.317 χ^2/NDF:943.7/32

Out: 66.892+/-0.315 χ^2/NDF:1300.2/36

All: 67.289+/-0.223 χ^2/NDF: 2247.1/69



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 16.893+/-0.313 χ^2/NDF:98.5/17

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: 16.804+/-0.224 χ^2/NDF: 271.9/34

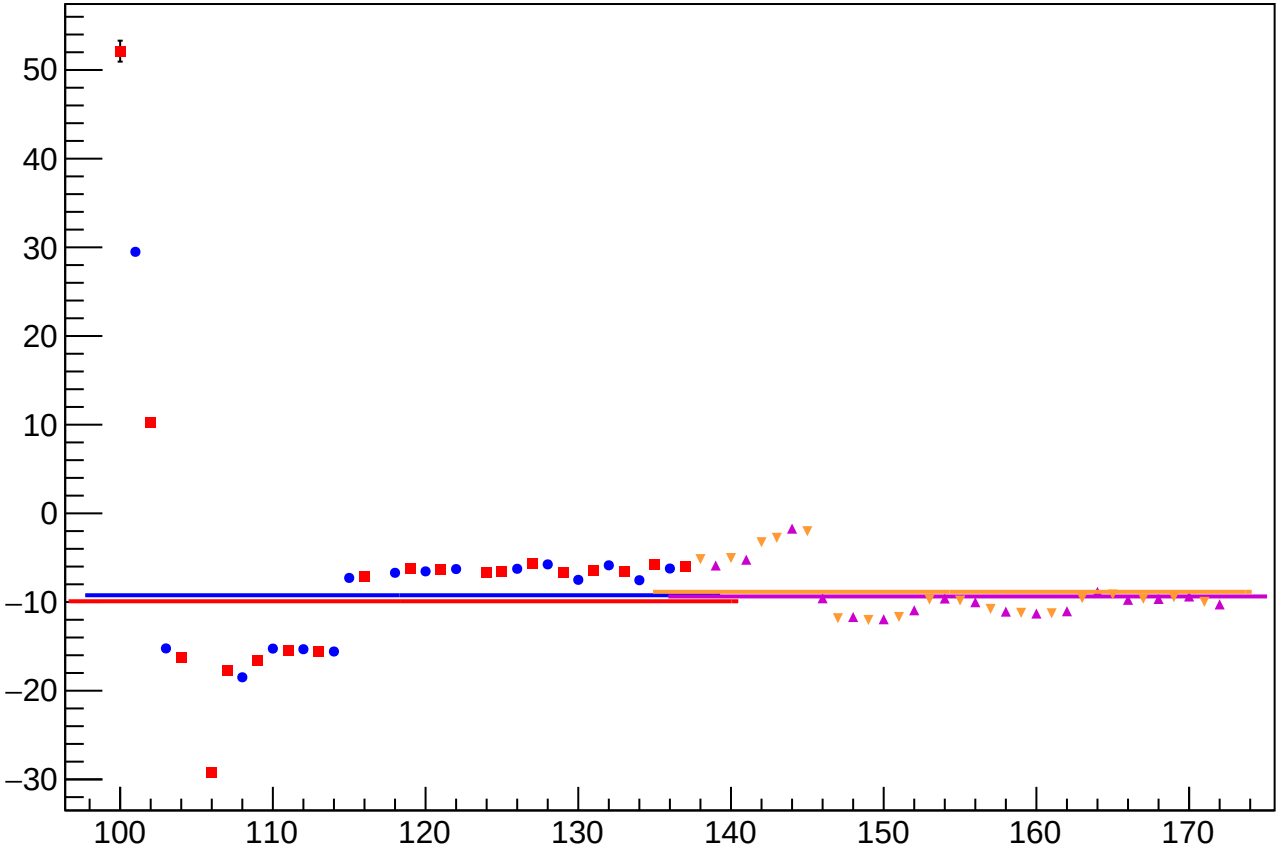
Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

In: 17.375+/-0.281 χ^2/NDF:388.0/32

Out: 17.566+/-0.276 χ^2/NDF:300.6/36

All: 17.472+/-0.197 χ^2/NDF: 688.8/69

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -8.846+/-0.014 χ^2/NDF:44513.4/17

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: -9.108+/-0.010 χ^2/NDF: 74434.0/34

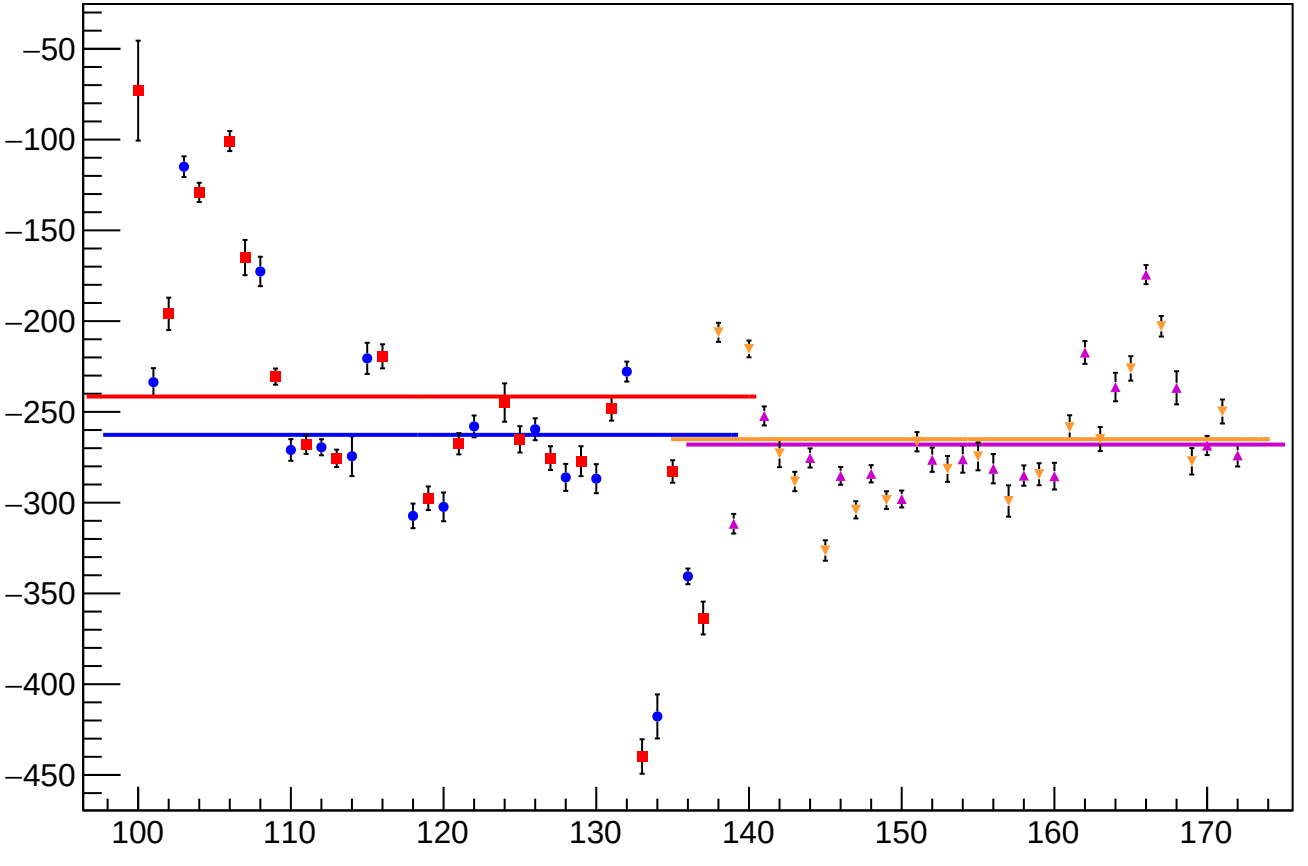
Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -9.349+/-0.013 χ^2/NDF:60413.3/32

Out: -9.001+/-0.013 χ^2/NDF:99196.7/36

All: -9.176+/-0.009 χ^2/NDF: 159962.7/69

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -262.643+/-1.614 χ^2/NDF: 1454.3/15

Left Out: -265.029+/-1.404 χ^2/NDF:692.1/17

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -268.000+/-1.418 χ^2/NDF:573.9/16

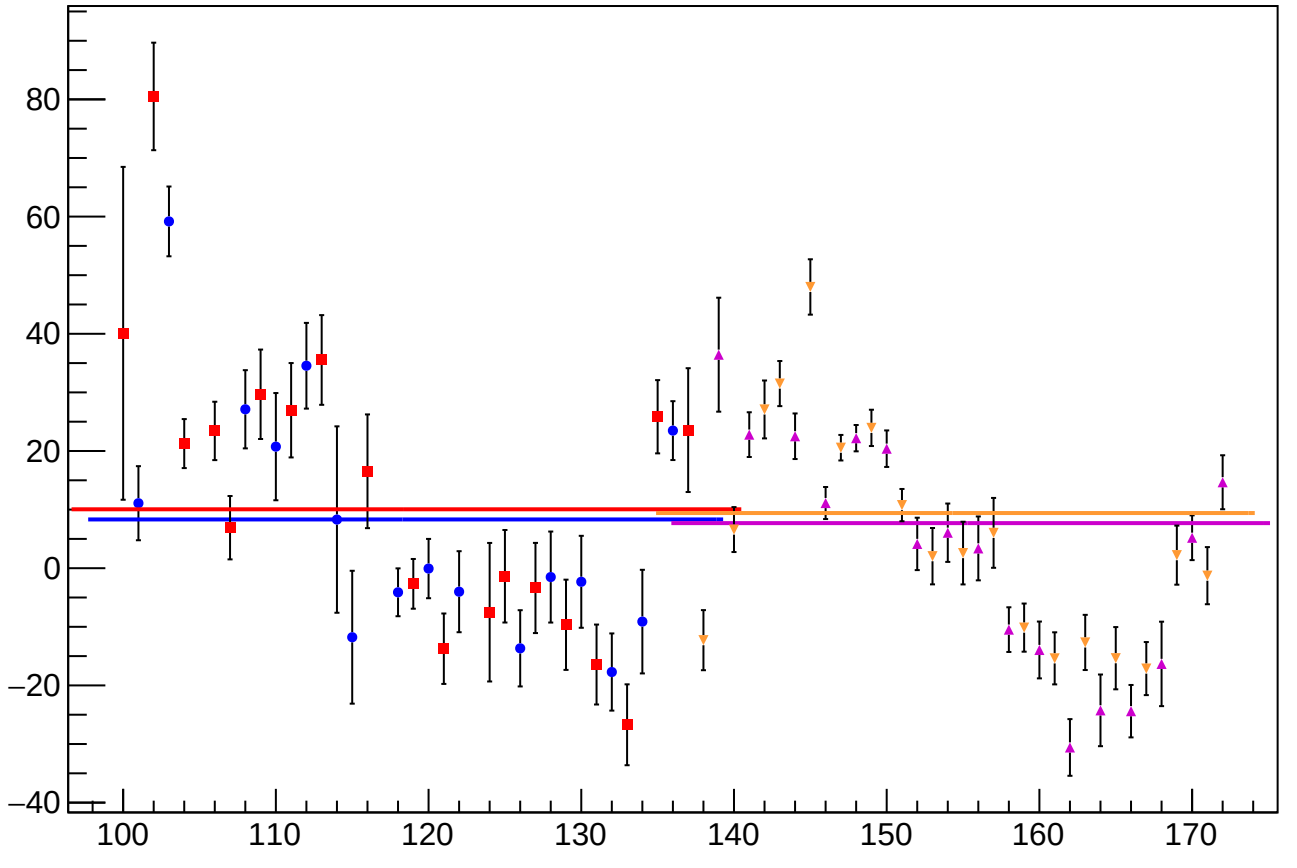
Left: -266.499+/-0.998 χ^2/NDF: 1268.3/34

Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

In: -265.665+/-1.065 χ^2/NDF:2034.5/32

Out: -254.111+/-1.027 χ^2/NDF:2960.7/36

All: -259.676+/-0.739 χ^2/NDF: 5056.2/69



Right In: 8.320+/-1.644 χ^2/NDF: 157.6/15

Left Out: 9.414+/-0.939 χ^2/NDF:322.4/17

Right Out: 10.052+/-1.539 χ^2/NDF: 187.4/18

Left In: 7.693+/-0.967 χ^2/NDF:298.0/16

Left: 8.578+/-0.674 χ^2/NDF: 622.0/34

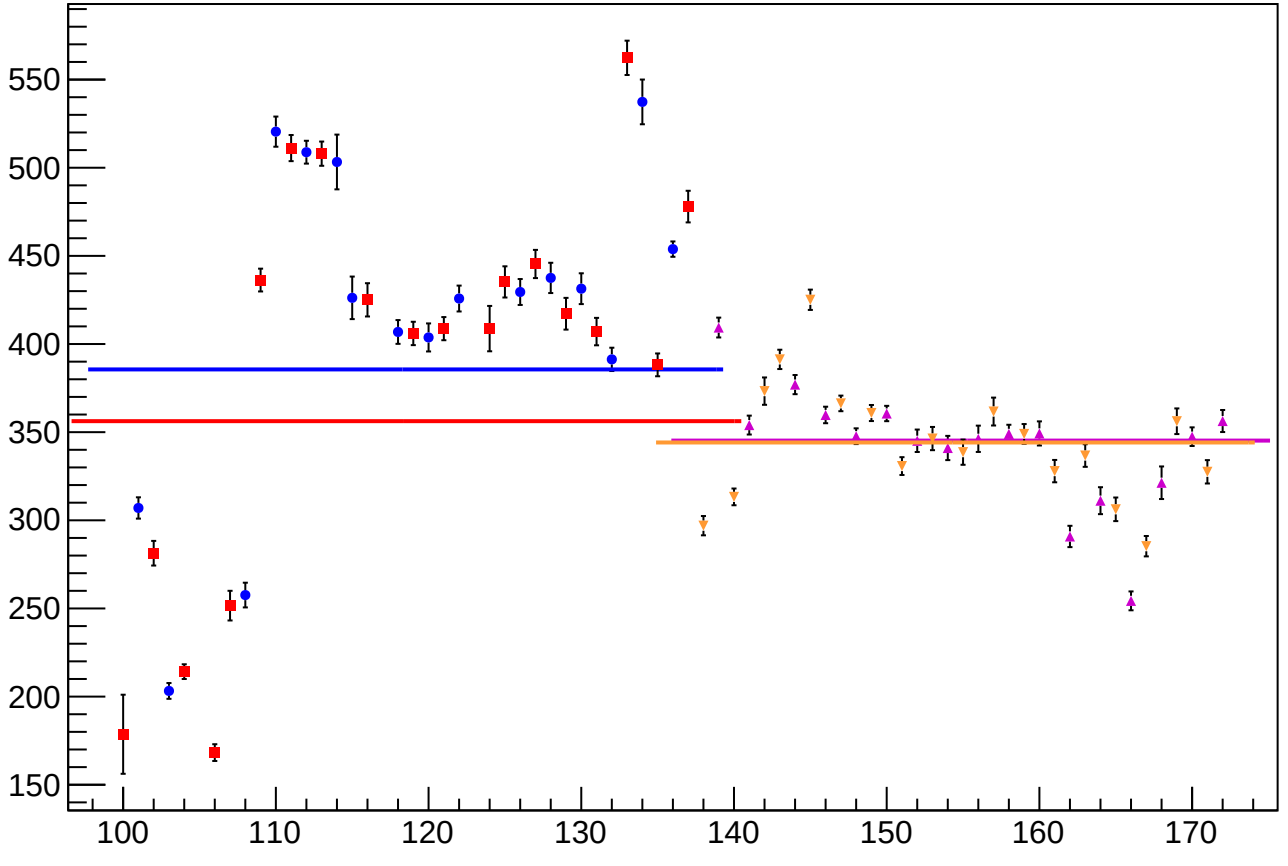
Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 7.854+/-0.833 χ^2/NDF:455.8/32

Out: 9.587+/-0.802 χ^2/NDF:509.9/36

All: 8.754+/-0.578 χ^2/NDF: 968.0/69

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 385.590+/-1.742 χ^2/NDF: 3373.1/15

Left Out: 344.151+/-1.374 χ^2/NDF:606.9/17

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: 344.684+/-0.974 χ^2/NDF: 1196.8/34

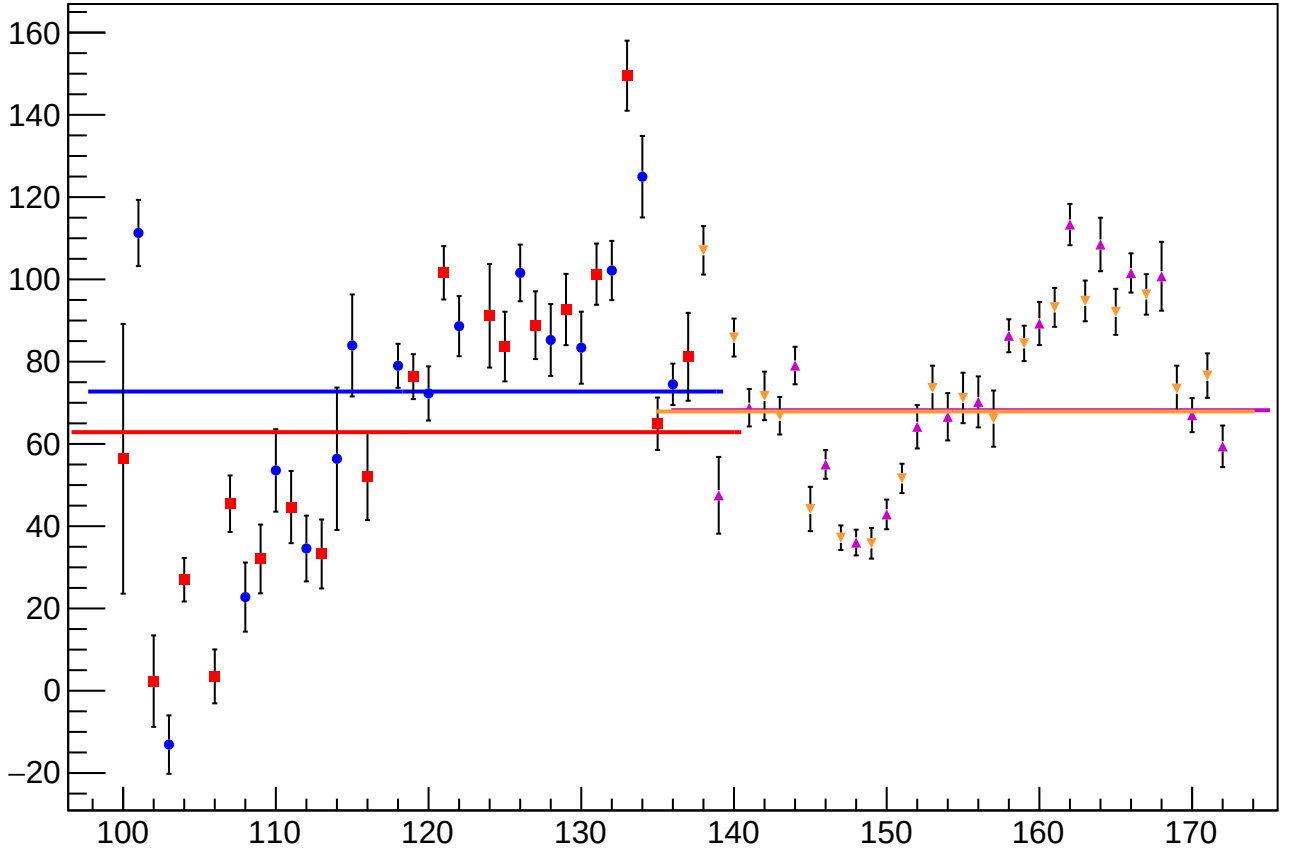
Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 360.804+/-1.082 χ^2/NDF:4292.3/32

Out: 349.115+/-1.055 χ^2/NDF:5908.9/36

All: 354.808+/-0.755 χ^2/NDF: 10261.1/69

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: 67.883+/-1.111 χ^2/NDF:409.5/17

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 68.198+/-1.133 χ^2/NDF:403.7/16

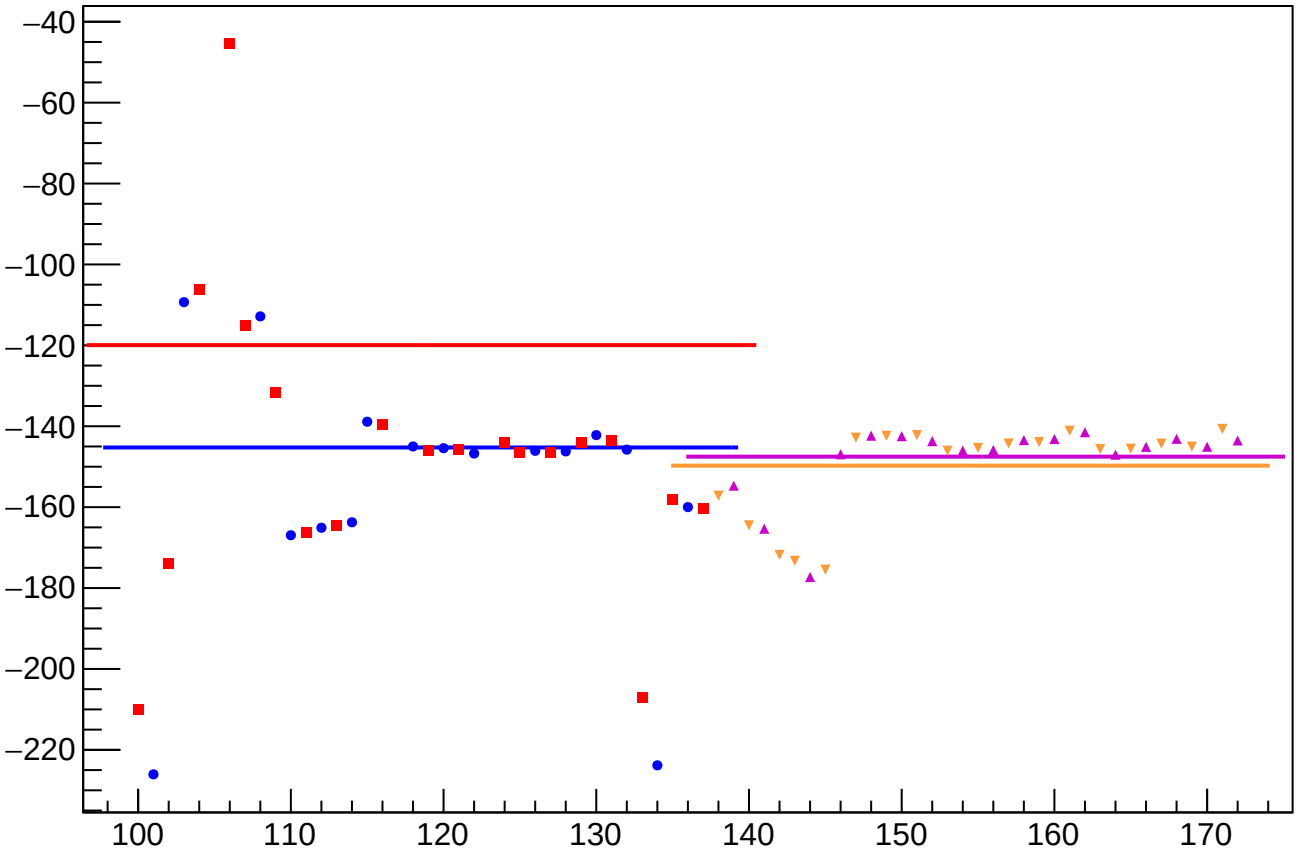
Left: 68.038+/-0.793 χ^2/NDF: 813.2/34

Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 69.392+/-0.972 χ^2/NDF:712.3/32

Out: 66.492+/-0.945 χ^2/NDF:818.7/36

All: 67.900+/-0.678 χ^2/NDF: 1535.6/69



Right In: -145.246+/-0.098 χ^2/NDF: 132057.3/15

Left Out: -149.736+/-0.053 χ^2/NDF:44938.3/17

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -147.515+/-0.052 χ^2/NDF:27251.8/16

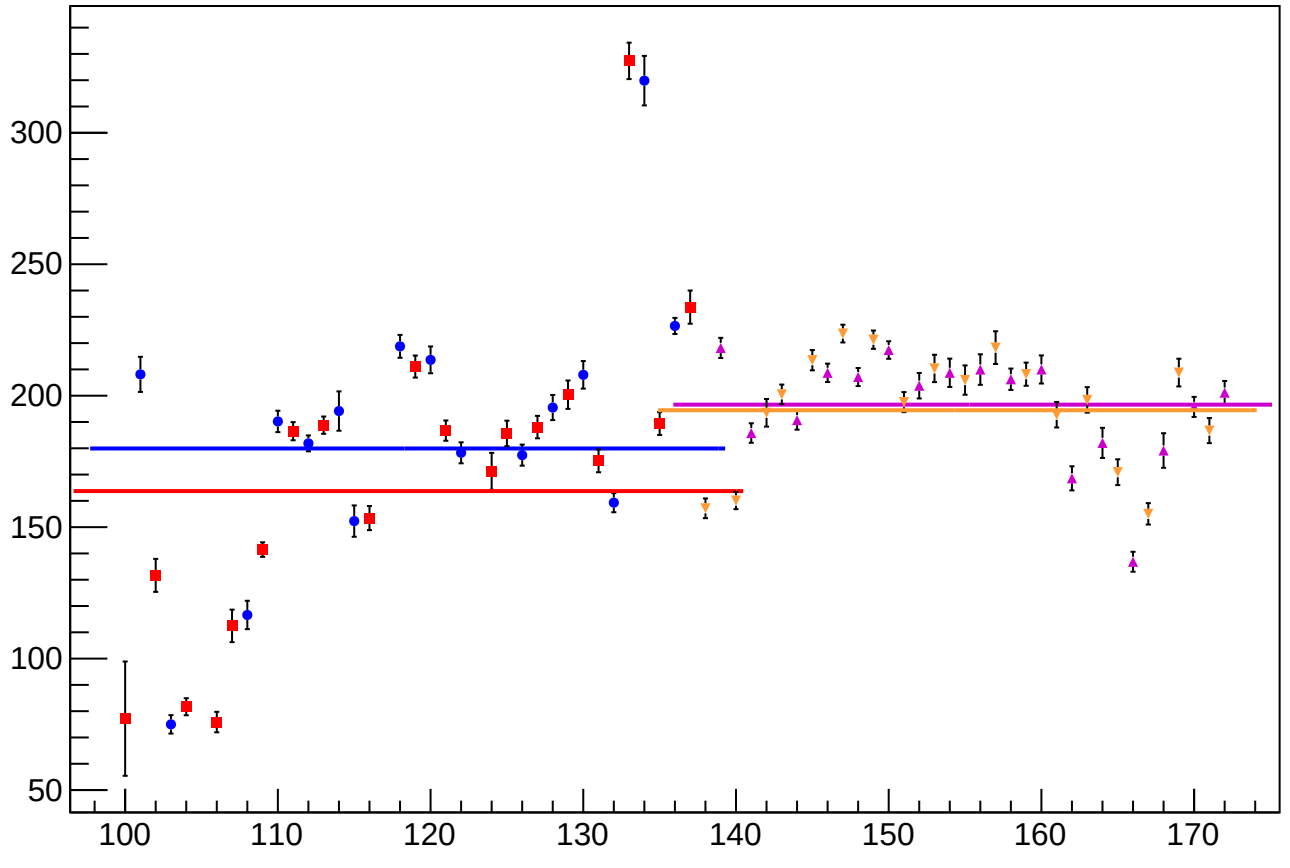
Left: -148.614+/-0.037 χ^2/NDF: 73086.2/34

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -147.016+/-0.046 χ^2/NDF:159724.3/32

Out: -141.991+/-0.045 χ^2/NDF:398250.5/36

All: -144.463+/-0.032 χ^2/NDF: 564010.5/69



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 194.472+/-1.004 χ^2/NDF:535.4/17

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 196.598+/-1.018 χ^2/NDF:427.1/16

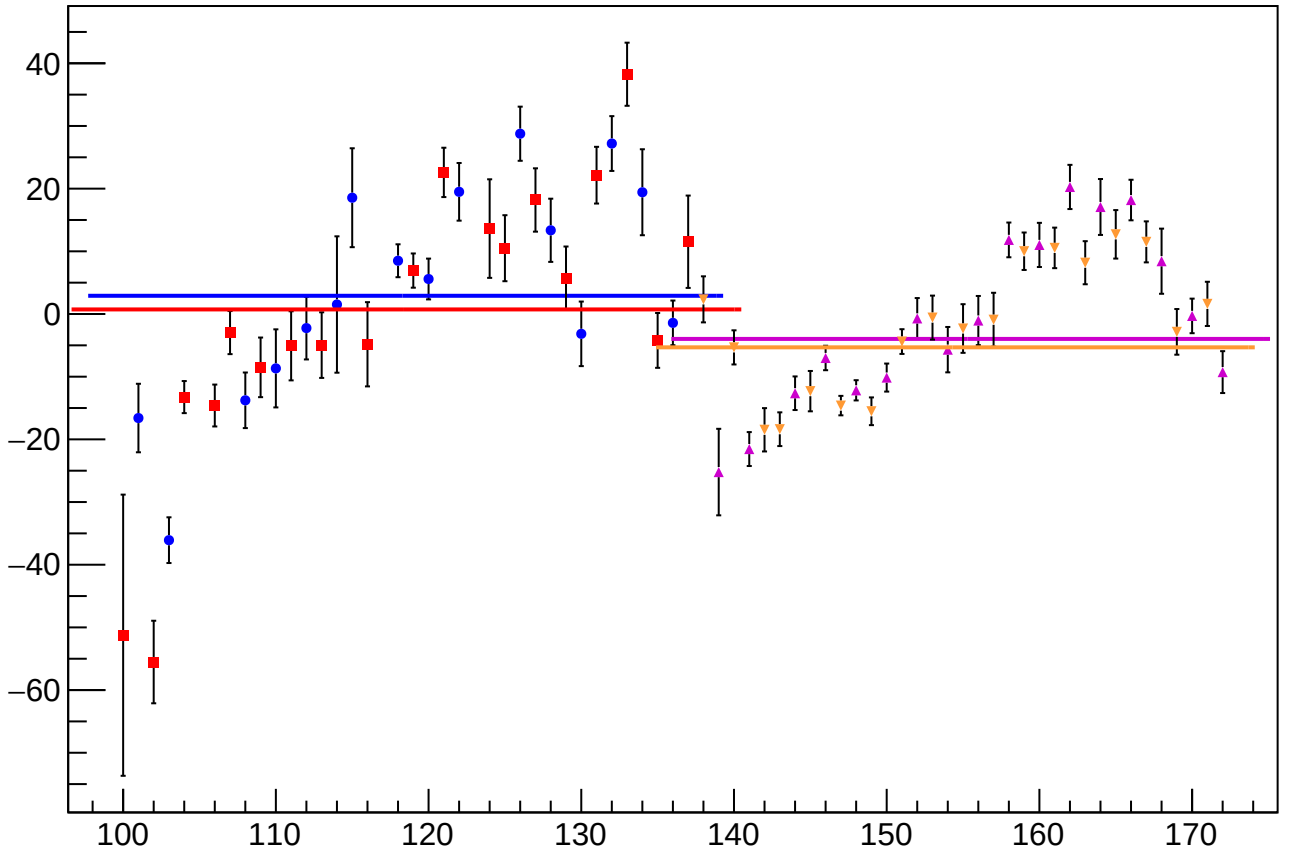
Left: 195.521+/-0.715 χ^2/NDF: 964.8/34

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 188.818+/-0.743 χ^2/NDF:2285.1/32

Out: 179.038+/-0.709 χ^2/NDF:3422.7/36

All: 183.696+/-0.513 χ^2/NDF: 5798.4/69



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -5.318+/-0.672 χ^2/NDF:226.3/17

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -3.975+/-0.694 χ^2/NDF:276.8/16

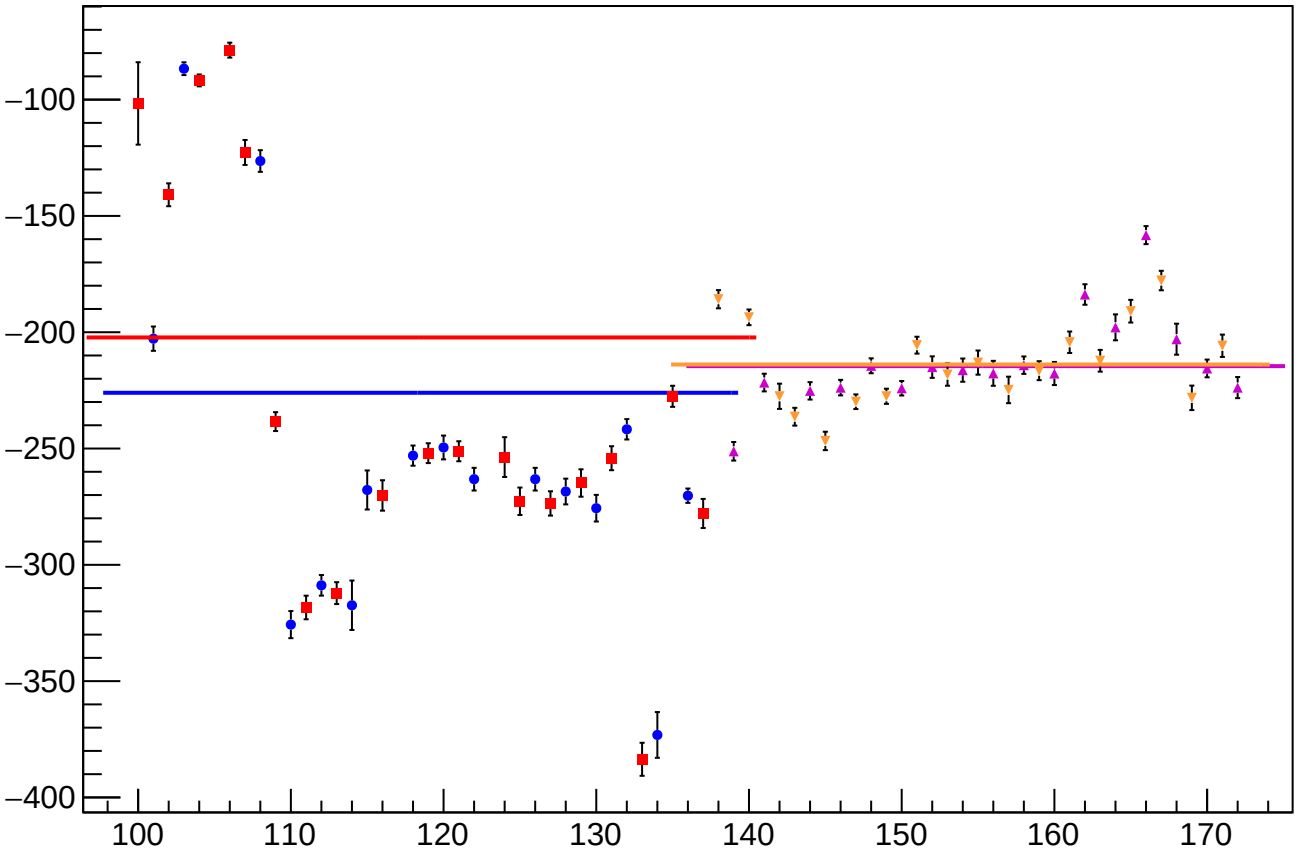
Left: -4.668+/-0.483 χ^2/NDF: 505.0/34

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -2.026+/-0.588 χ^2/NDF:552.1/32

Out: -3.467+/-0.560 χ^2/NDF:524.6/36

All: -2.782+/-0.405 χ^2/NDF: 1079.9/69



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -213.888+/-0.984 χ^2/NDF:362.3/17

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -214.577+/-0.992 χ^2/NDF:390.1/16

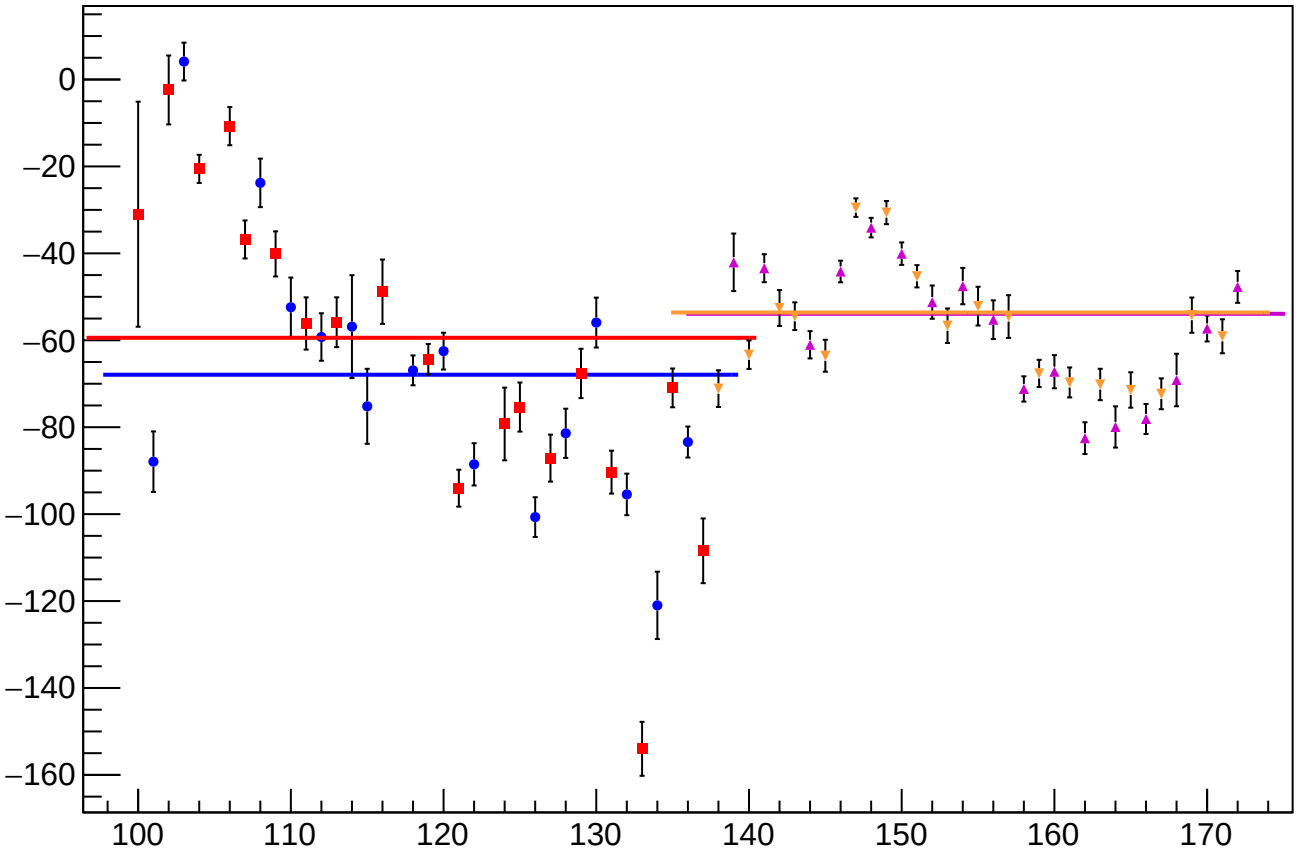
Left: -214.230+/-0.698 χ^2/NDF: 752.7/34

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

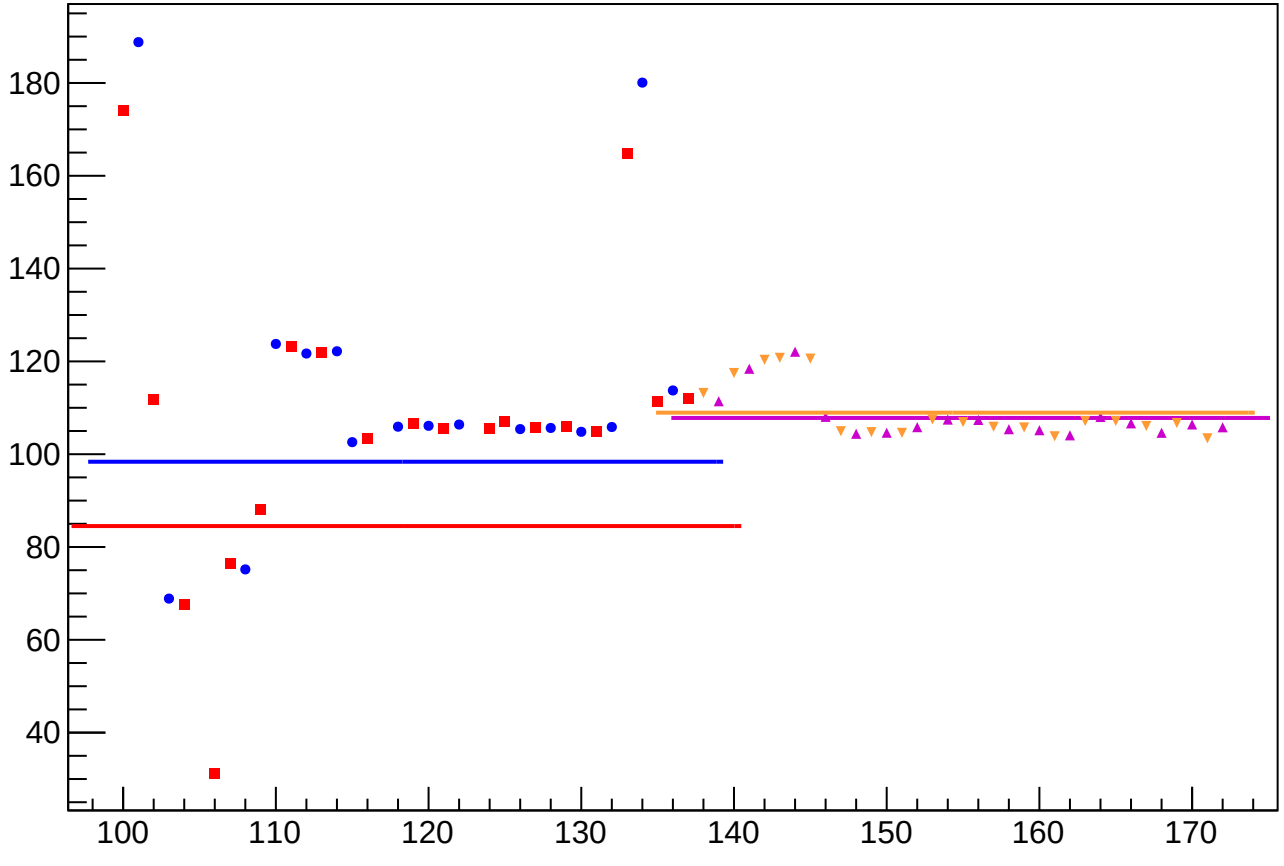
In: -219.342+/-0.758 χ^2/NDF:4984.6/32

Out: -208.648+/-0.729 χ^2/NDF:7116.1/36

All: -213.789+/-0.526 χ^2/NDF: 12204.1/69


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: -53.603+/-0.796 χ2/NDF:359.5/17
Right Out: -59.428+/-1.184 χ2/NDF: 794.9/18
Left In: -53.912+/-0.814 χ2/NDF:342.0/16
Left: -53.754+/-0.569 χ2/NDF: 701.6/34
Right: -63.353+/-0.869 χ2/NDF: 1352.7/34
In: -57.957+/-0.687 χ2/NDF:961.6/32
Out: -55.416+/-0.661 χ2/NDF:1171.0/36
All: -56.637+/-0.476 χ2/NDF: 2139.7/69

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: 108.952+/-0.038 χ^2/NDF:24089.6/17

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: 108.377+/-0.027 χ^2/NDF: 40191.3/34

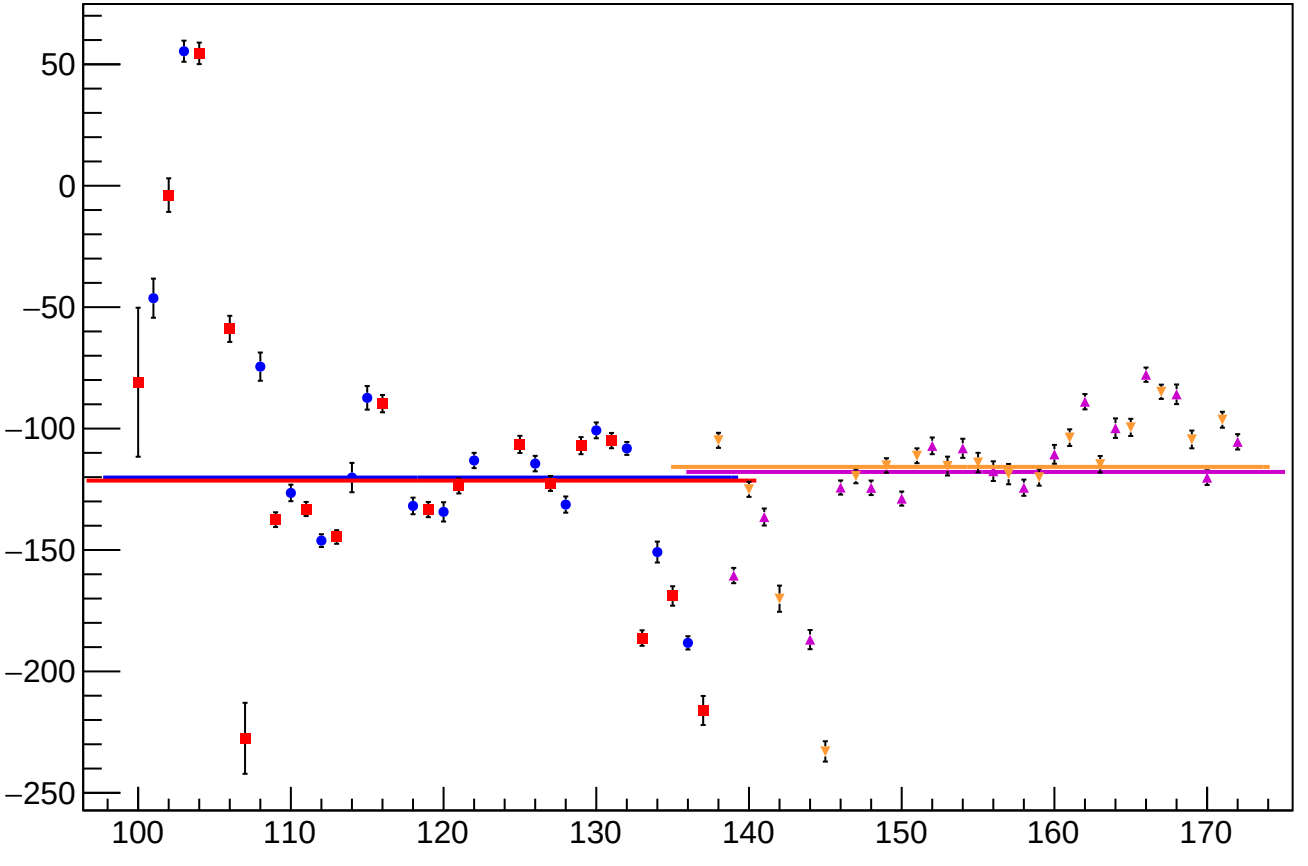
Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.507+/-0.033 χ^2/NDF:259485.2/32

Out: 102.102+/-0.032 χ^2/NDF:409952.9/36

All: 103.776+/-0.023 χ^2/NDF: 674970.3/69

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -120.177+/-0.891 χ^2/NDF: 2691.2/15

Left Out: -115.778+/-0.834 χ^2/NDF:1100.5/16

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: -116.846+/-0.583 χ^2/NDF: 2035.3/33

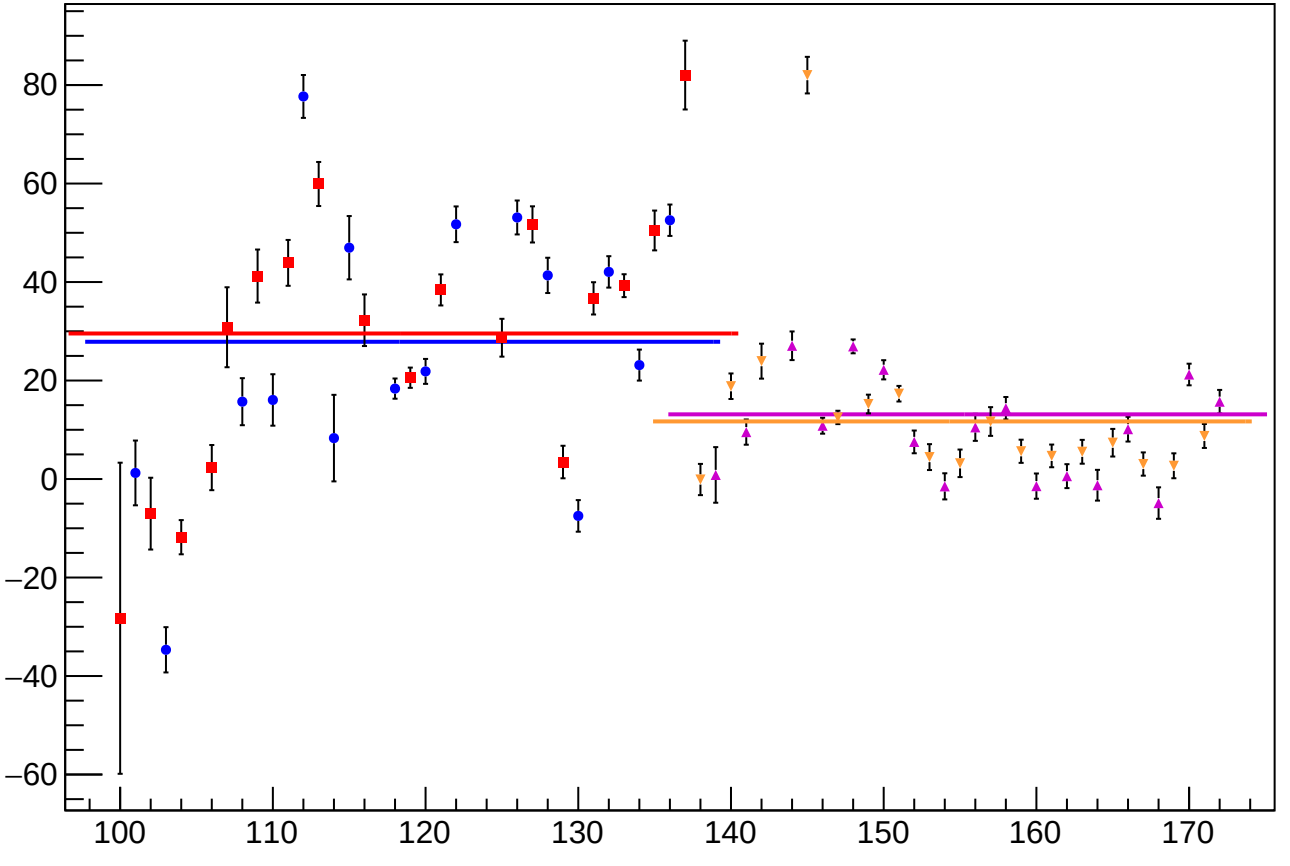
Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -118.915+/-0.601 χ^2/NDF:3626.5/32

Out: -118.463+/-0.604 χ^2/NDF:4248.6/34

All: -118.690+/-0.426 χ^2/NDF: 7875.4/67

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: 11.698+/-0.561 χ^2/NDF:477.3/16

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 13.135+/-0.562 χ^2/NDF:314.8/16

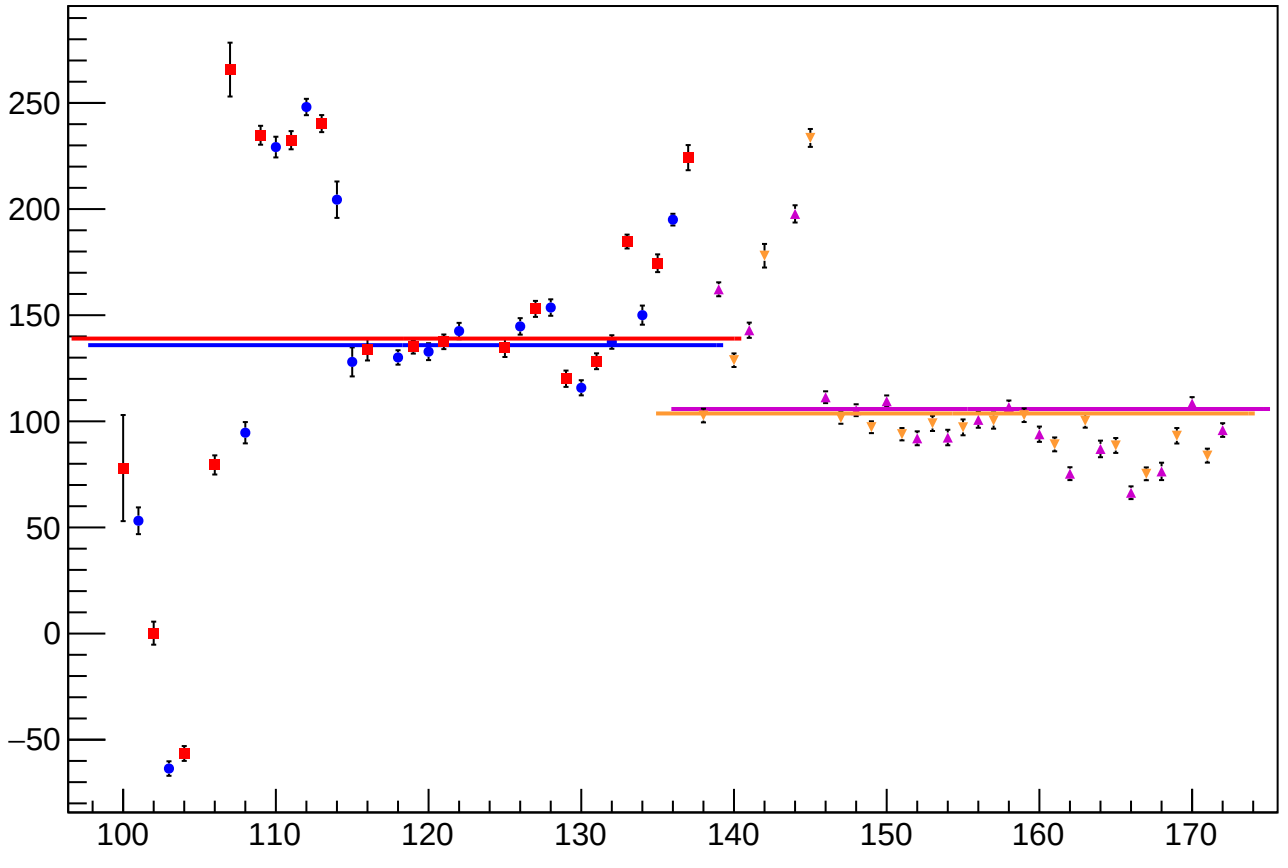
Left: 12.415+/-0.397 χ^2/NDF: 795.4/33

Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 17.347+/-0.475 χ^2/NDF:1211.0/32

Out: 16.775+/-0.474 χ^2/NDF:1263.0/34

All: 17.060+/-0.336 χ^2/NDF: 2474.8/67



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 103.704+/-0.811 χ^2/NDF:1381.8/16

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 105.807+/-0.792 χ^2/NDF:1320.7/16

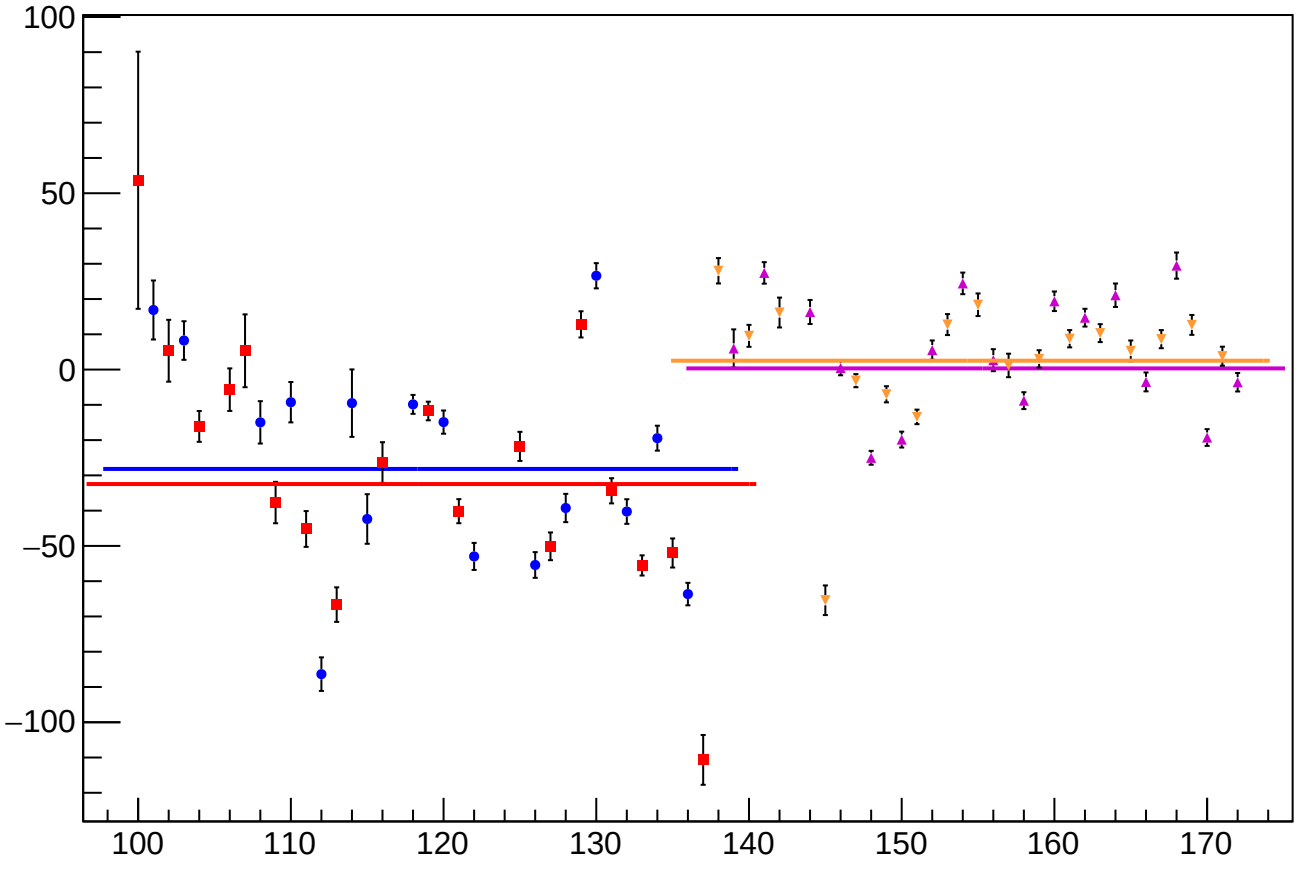
Left: 104.781+/-0.567 χ^2/NDF: 2706.0/33

Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 117.416+/-0.620 χ^2/NDF:7341.4/32

Out: 117.737+/-0.630 χ^2/NDF:8290.5/34

All: 117.574+/-0.442 χ^2/NDF: 15632.0/67



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 2.517+/-0.656 χ^2/NDF:485.5/16

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: 1.418+/-0.462 χ^2/NDF: 1174.0/33

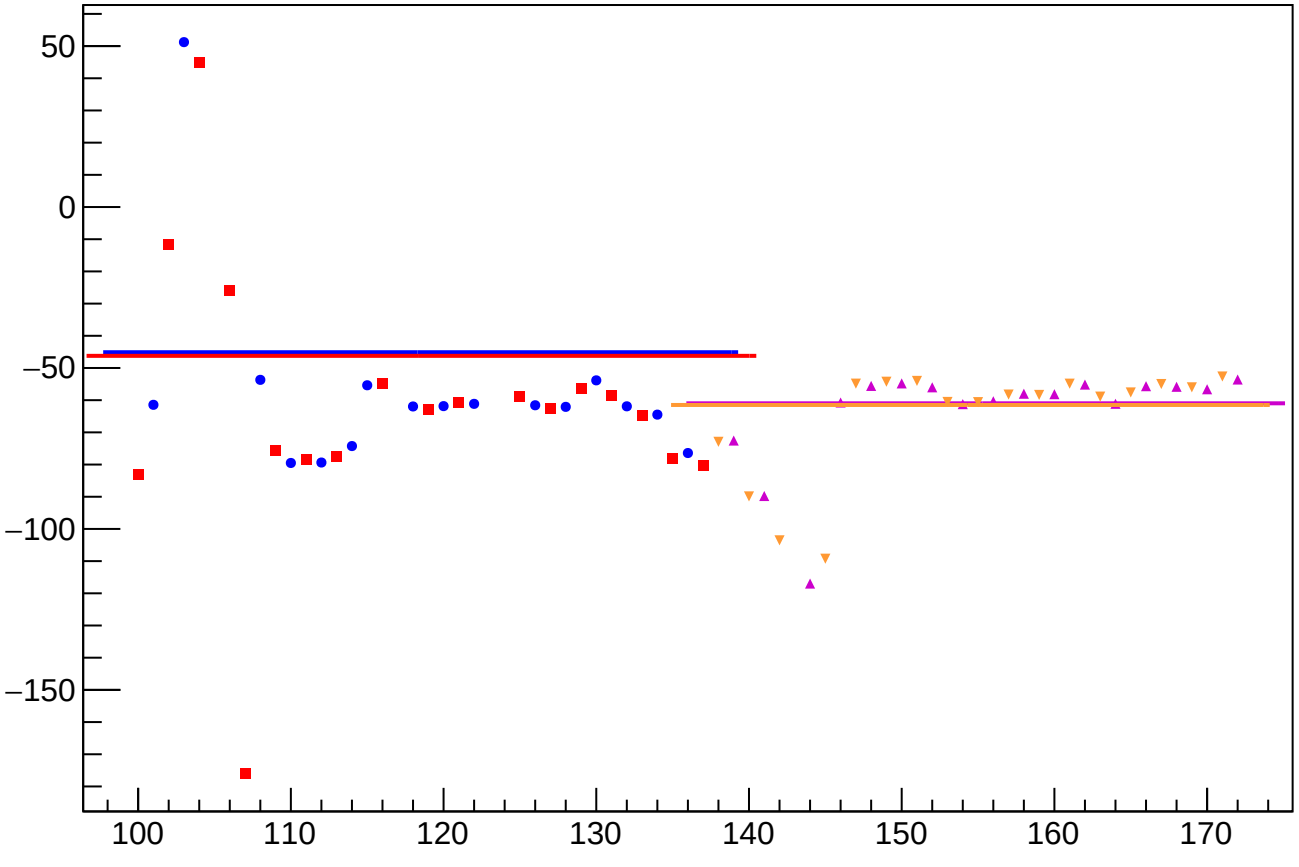
Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -7.915+/-0.550 χ^2/NDF:2026.9/32

Out: -7.611+/-0.553 χ^2/NDF:1889.7/34

All: -7.764+/-0.390 χ^2/NDF: 3916.7/67

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: -61.488+/-0.030 χ^2/NDF:192927.2/16

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: -61.224+/-0.021 χ^2/NDF: 355953.9/33

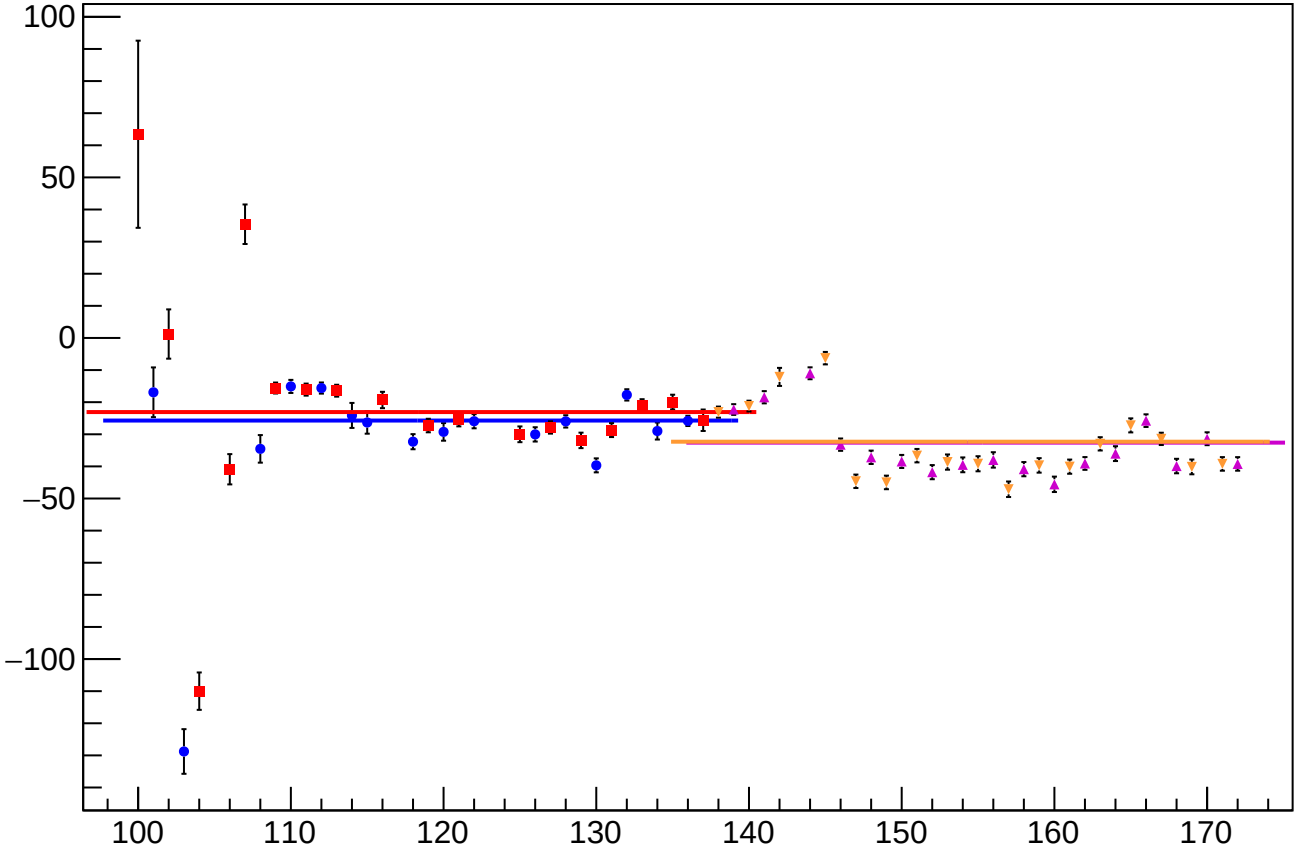
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -57.904+/-0.026 χ^2/NDF:794230.0/32

Out: -58.582+/-0.027 χ^2/NDF:734666.9/34

All: -58.232+/-0.019 χ^2/NDF: 1529214.9/67

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: -32.310+/-0.512 χ^2/NDF:482.3/16

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: -32.459+/-0.358 χ^2/NDF: 843.9/33

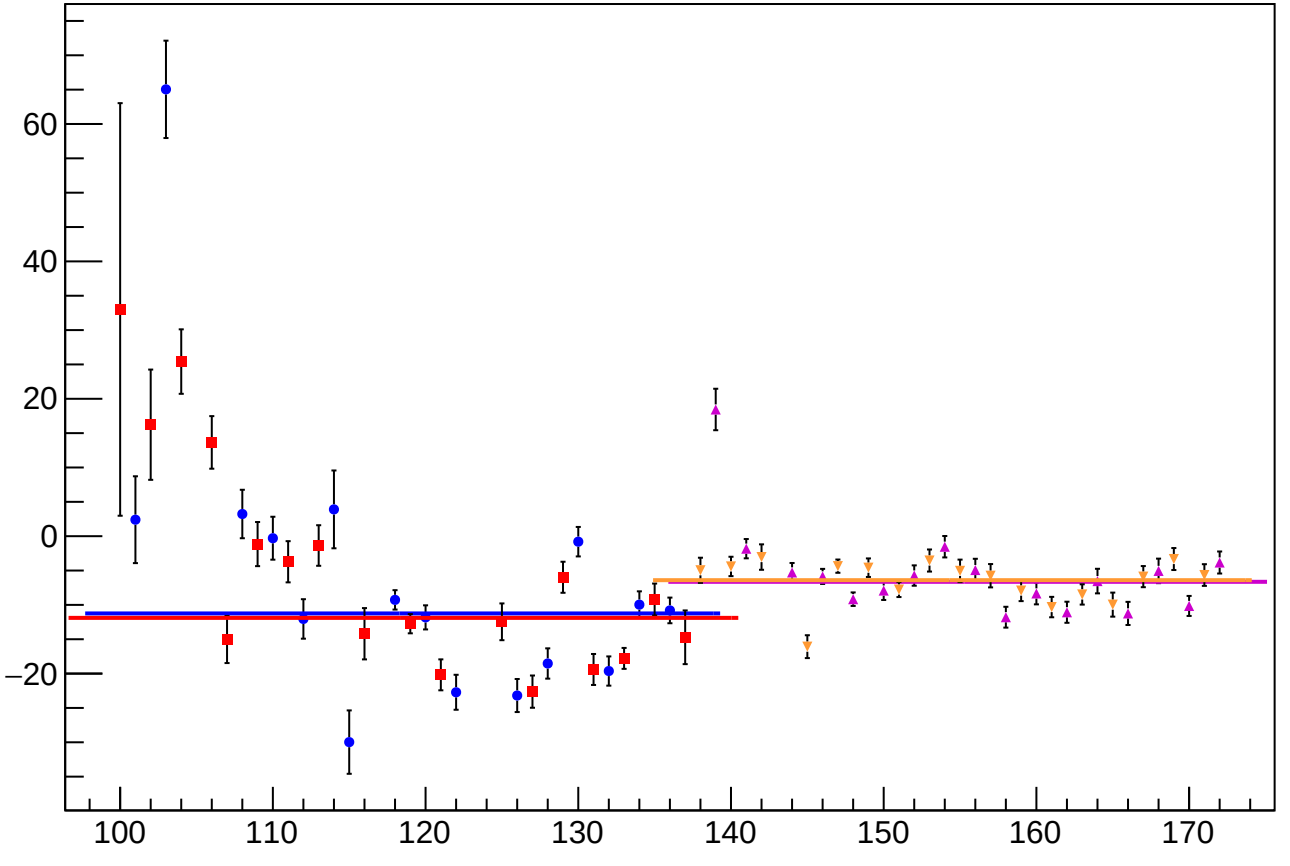
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -29.717+/-0.382 χ^2/NDF:803.4/32

Out: -28.283+/-0.384 χ^2/NDF:1061.3/34

All: -29.004+/-0.271 χ^2/NDF: 1871.7/67

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -11.246+/-0.600 χ^2/NDF: 271.1/15

Left Out: -6.404+/-0.356 χ^2/NDF:69.7/16

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -6.641+/-0.356 χ^2/NDF:140.2/16

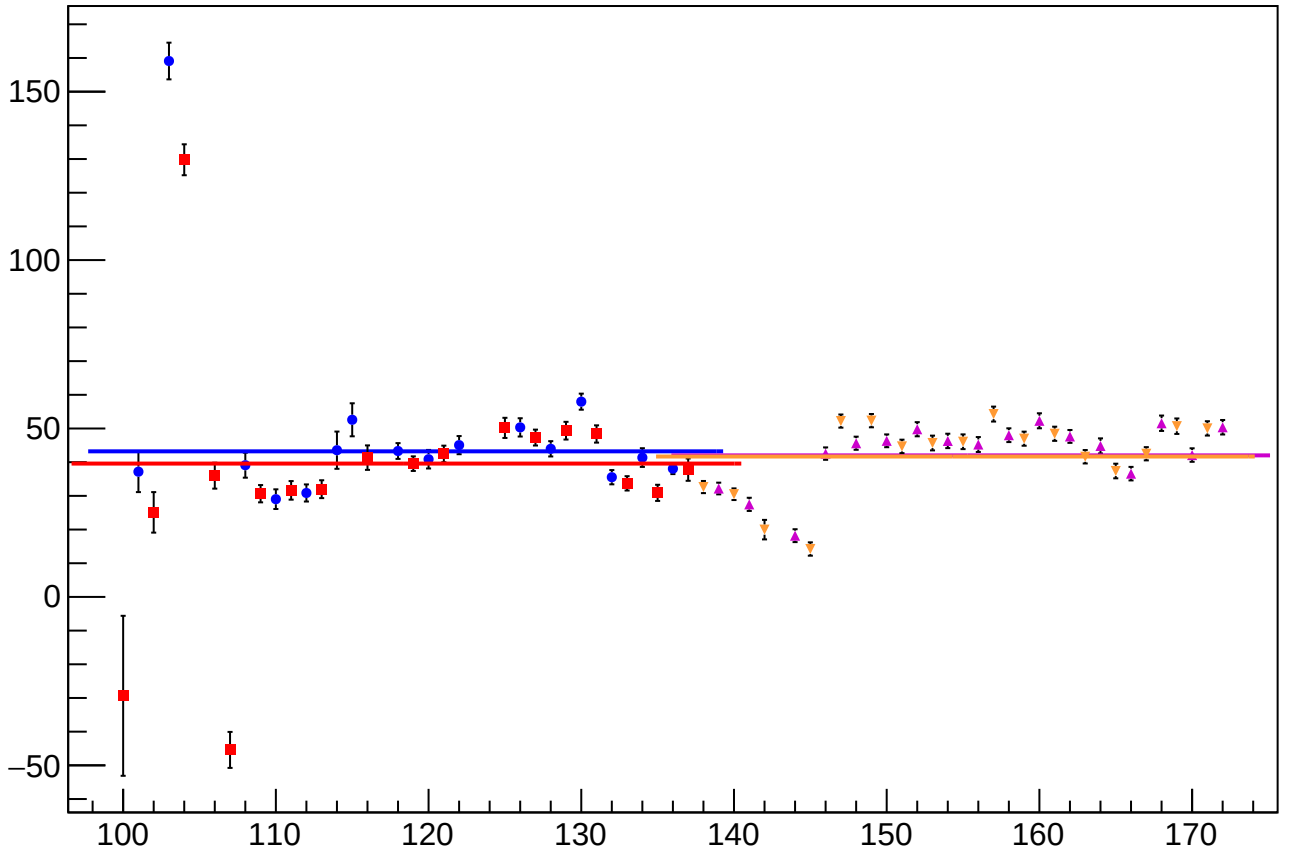
Left: -6.522+/-0.252 χ^2/NDF: 210.1/33

Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -7.841+/-0.306 χ^2/NDF:454.9/32

Out: -7.806+/-0.307 χ^2/NDF:355.0/34

All: -7.824+/-0.217 χ^2/NDF: 809.8/67



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 41.683+/-0.501 χ^2/NDF:466.9/16

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: 41.856+/-0.350 χ^2/NDF: 817.7/33

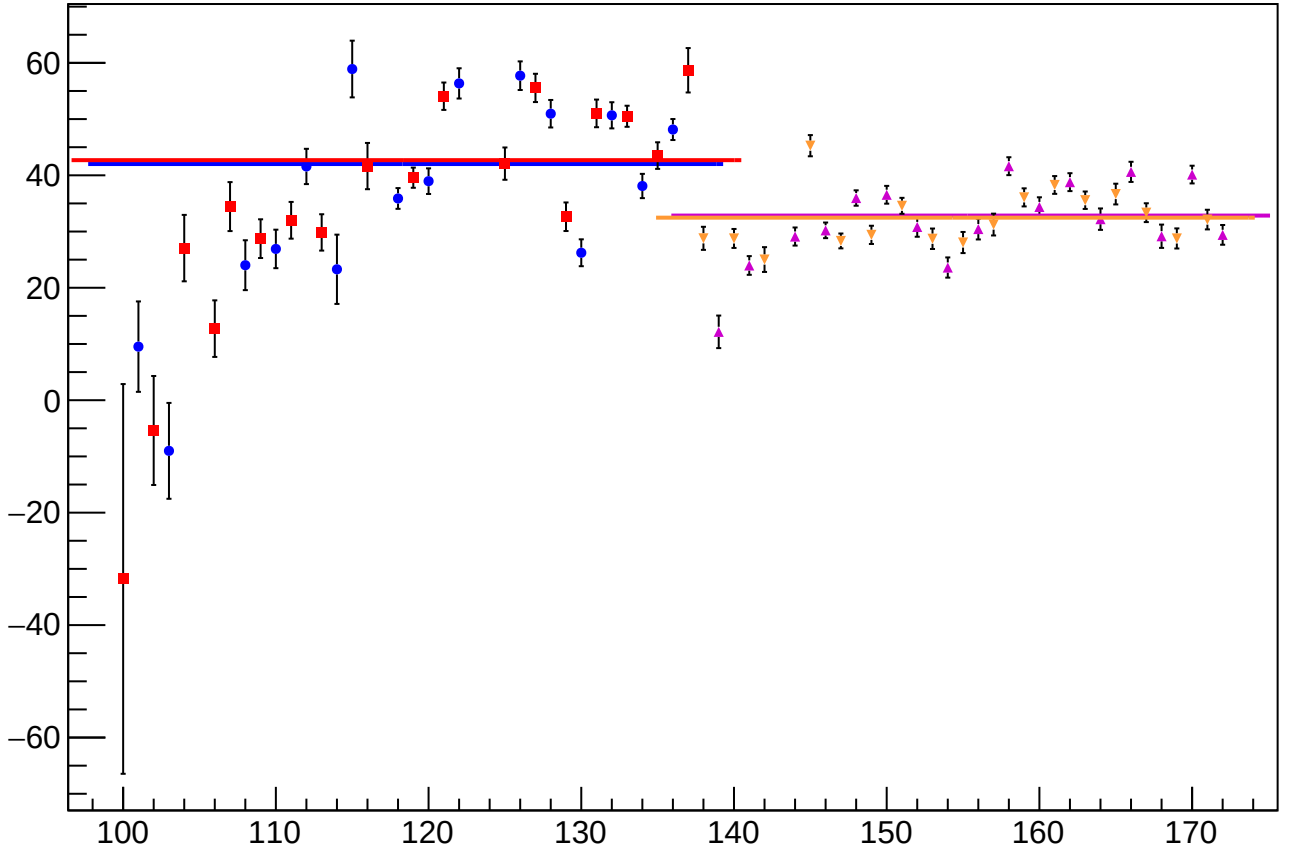
Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 42.433+/-0.397 χ^2/NDF:928.7/32

Out: 40.953+/-0.404 χ^2/NDF:1227.0/34

All: 41.706+/-0.283 χ^2/NDF: 2162.5/67

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 32.468+/-0.413 χ^2/NDF:123.7/16

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: 32.654+/-0.291 χ^2/NDF: 345.1/33

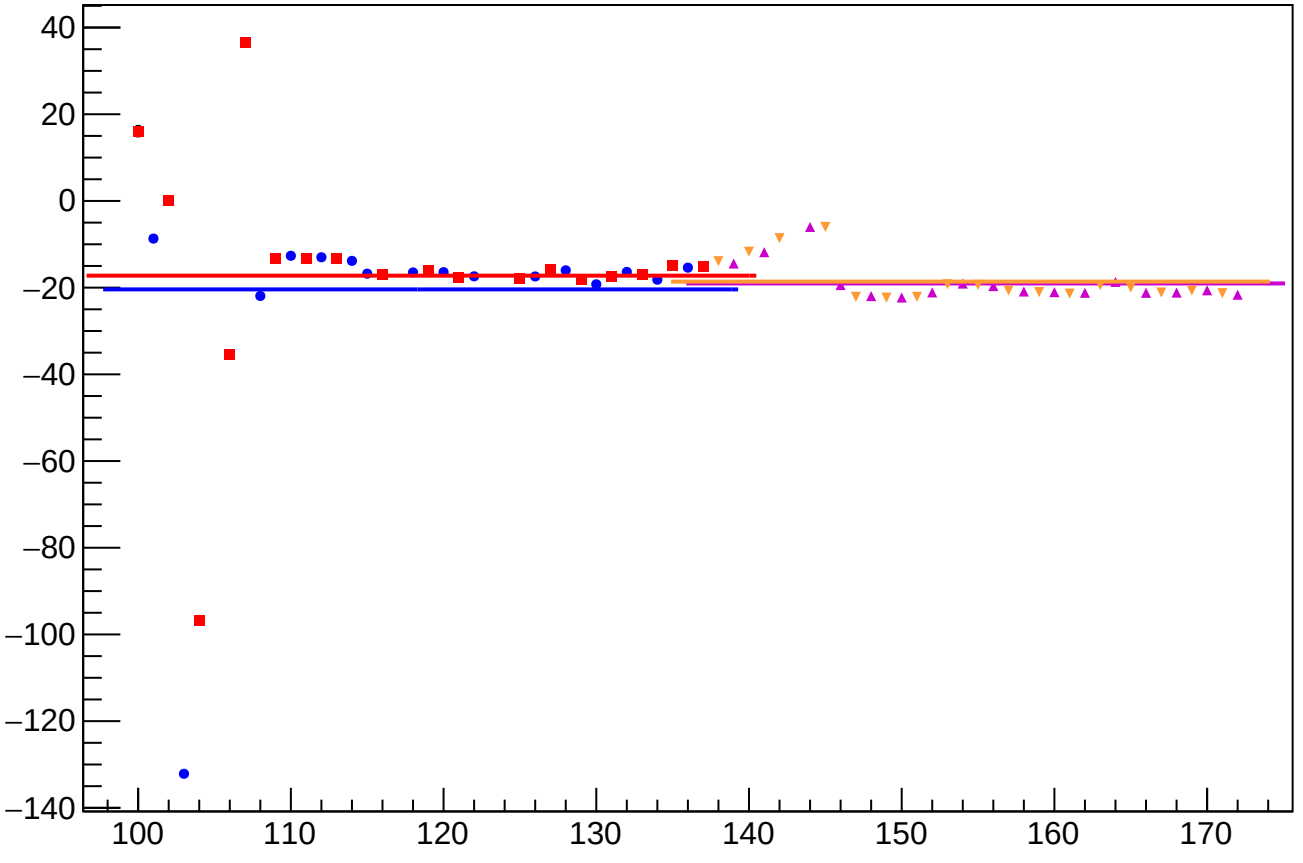
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 35.272+/-0.352 χ^2/NDF:625.8/32

Out: 35.135+/-0.355 χ^2/NDF:514.2/34

All: 35.204+/-0.250 χ^2/NDF: 1140.1/67

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: -18.608+/-0.019 χ^2/NDF:58668.2/16

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -19.035+/-0.018 χ^2/NDF:46371.0/16

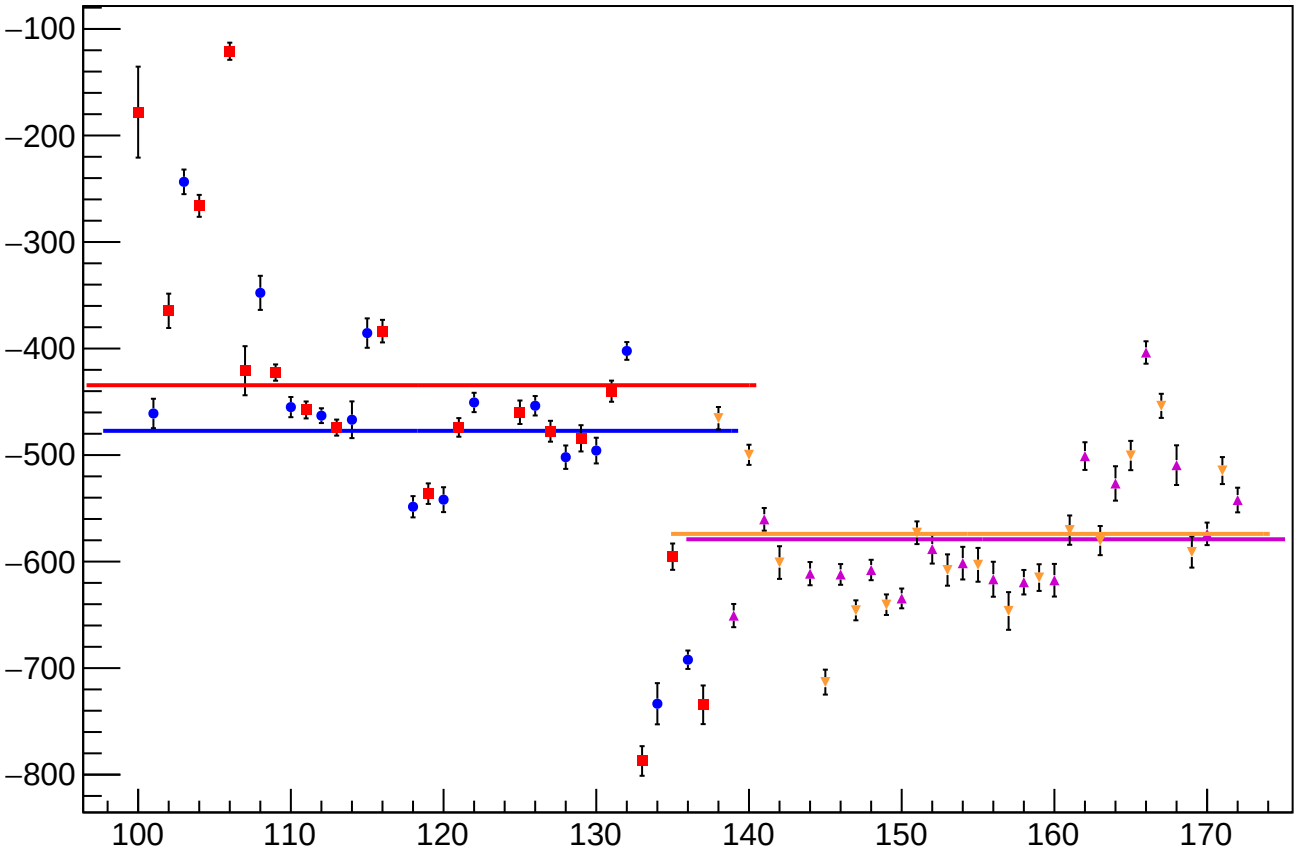
Left: -18.827+/-0.013 χ^2/NDF: 105306.0/33

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -19.253+/-0.017 χ^2/NDF:292881.6/32

Out: -18.399+/-0.017 χ^2/NDF:264146.7/34

All: -18.839+/-0.012 χ^2/NDF: 558293.8/67



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -573.996+/-2.943 χ^2/NDF:620.0/16

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: -576.592+/-2.052 χ^2/NDF: 1107.9/33

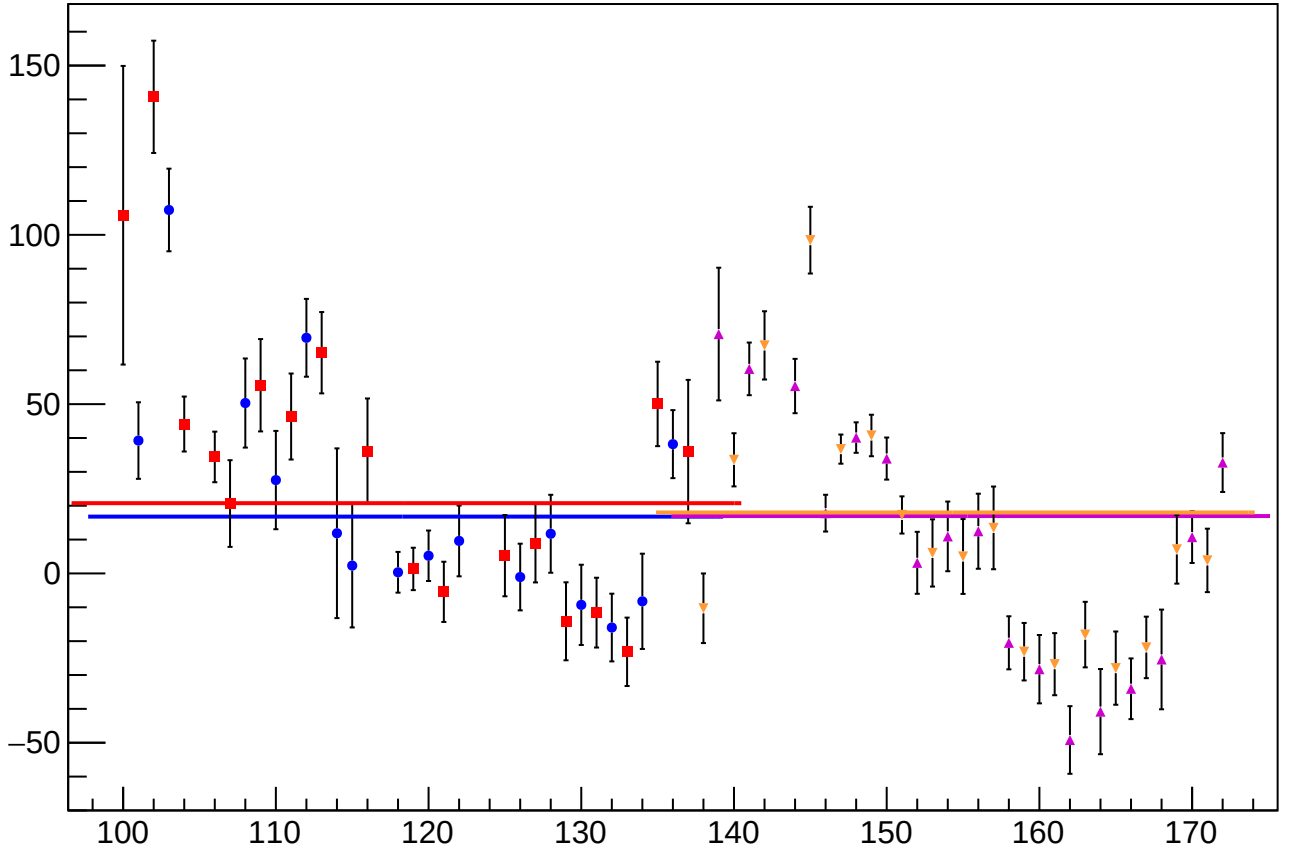
Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -523.894+/-1.938 χ^2/NDF:2682.0/32

Out: -491.952+/-1.889 χ^2/NDF:5104.1/34

All: -507.514+/-1.353 χ^2/NDF: 7925.4/67

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: 18.006+/-1.950 χ^2/NDF:239.8/16

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: 17.476+/-1.379 χ^2/NDF: 490.8/33

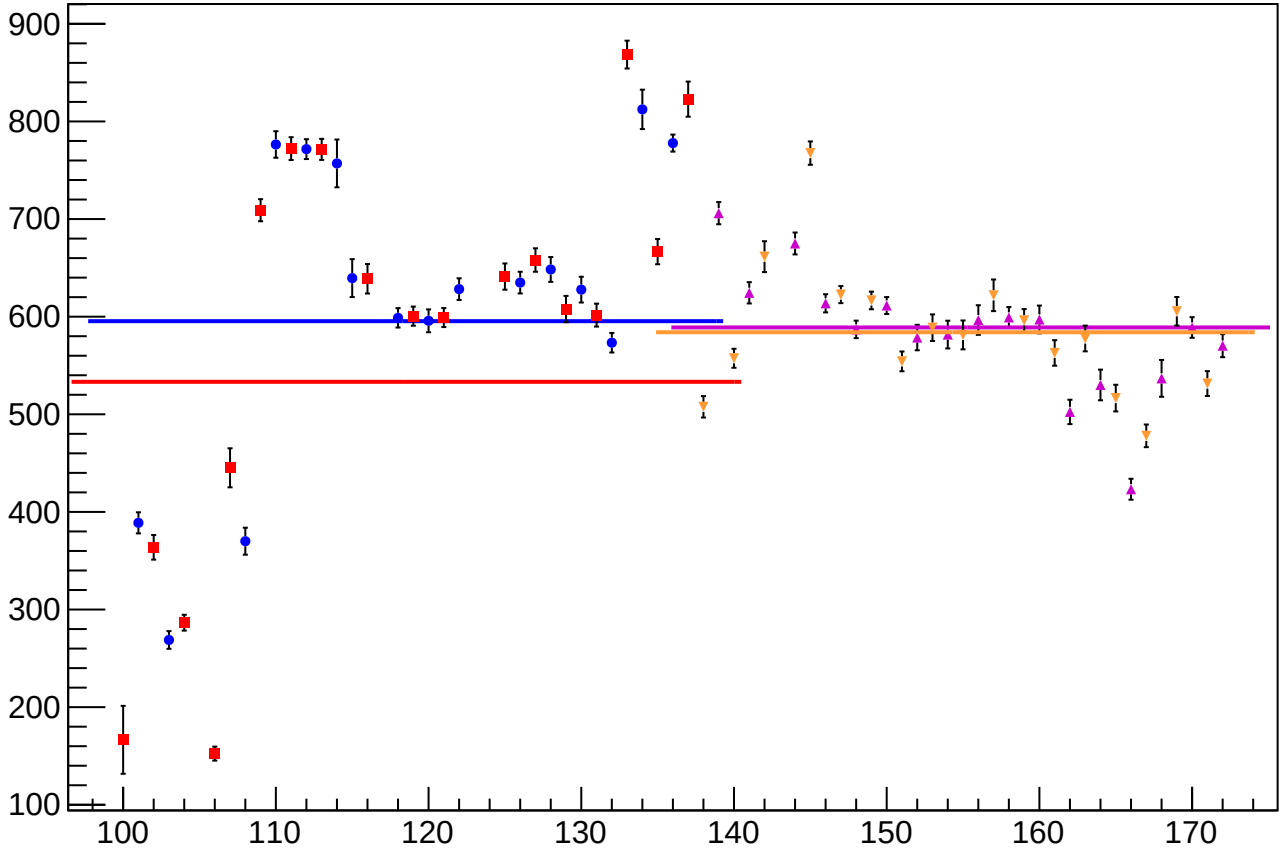
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 16.889+/-1.571 χ^2/NDF:375.9/32

Out: 19.019+/-1.549 χ^2/NDF:398.4/34

All: 17.969+/-1.103 χ^2/NDF: 775.2/67

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: 584.074+/-2.869 χ^2/NDF:493.3/16

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: 586.593+/-2.000 χ^2/NDF: 997.3/33

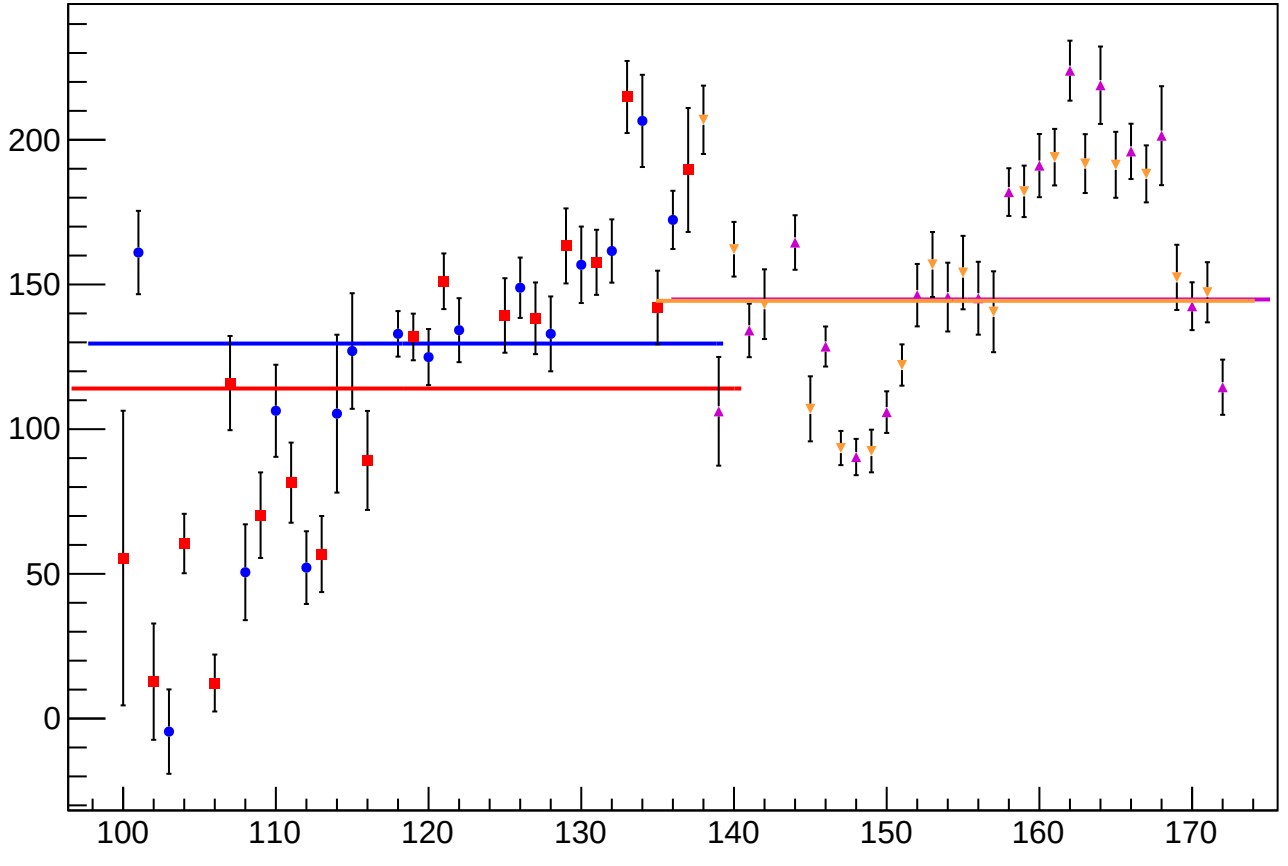
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 592.034+/-2.020 χ^2/NDF:3564.8/32

Out: 557.568+/-1.984 χ^2/NDF:7159.7/34

All: 574.486+/-1.415 χ^2/NDF: 10872.7/67

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: 144.355+/-2.312 χ^2/NDF:281.1/16

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 144.825+/-2.286 χ^2/NDF:297.0/16

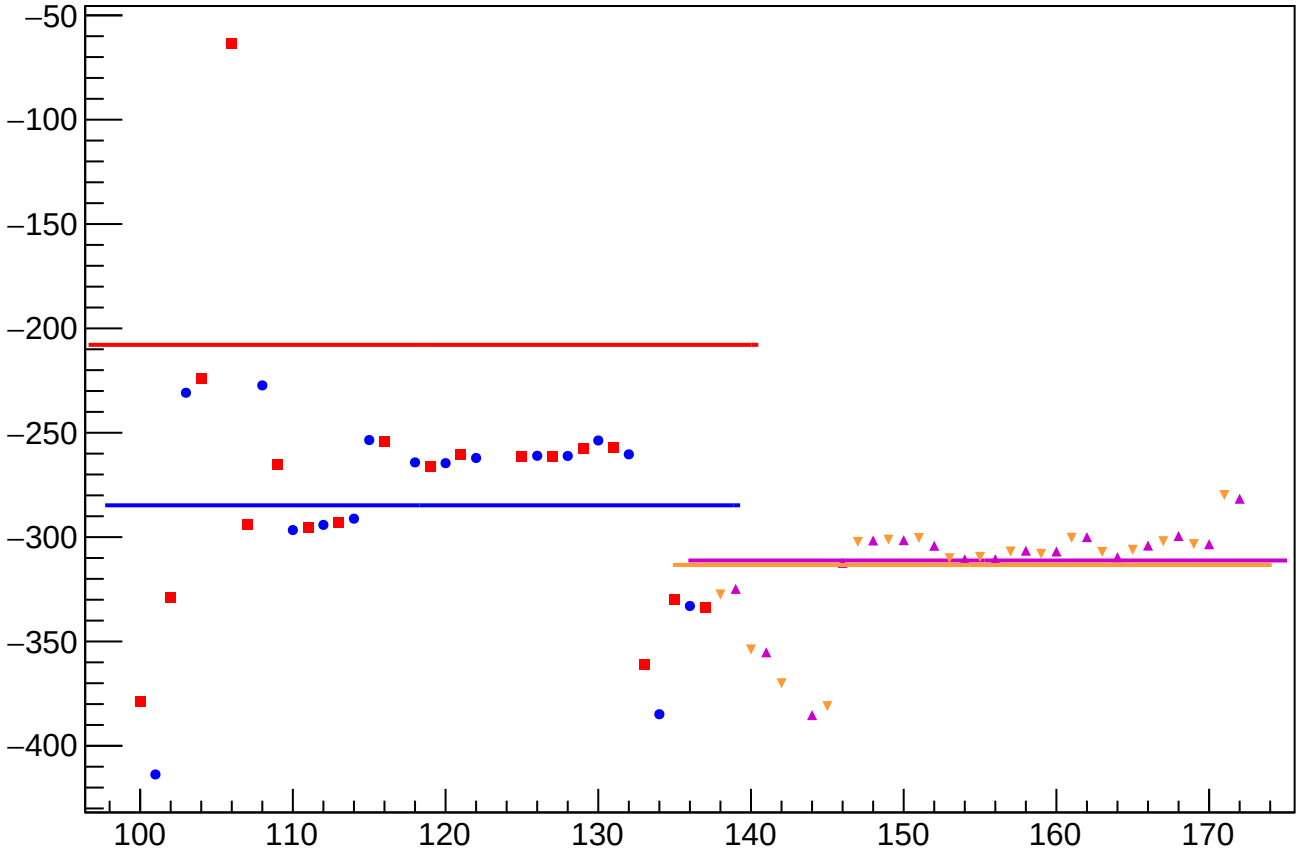
Left: 144.593+/-1.626 χ^2/NDF: 578.1/33

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 139.414+/-1.836 χ^2/NDF:524.0/32

Out: 132.948+/-1.826 χ^2/NDF:681.7/34

All: 136.163+/-1.295 χ^2/NDF: 1212.0/67



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -313.336+/-0.110 χ^2/NDF:49374.5/16

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: -312.222+/-0.076 χ^2/NDF: 90990.6/33

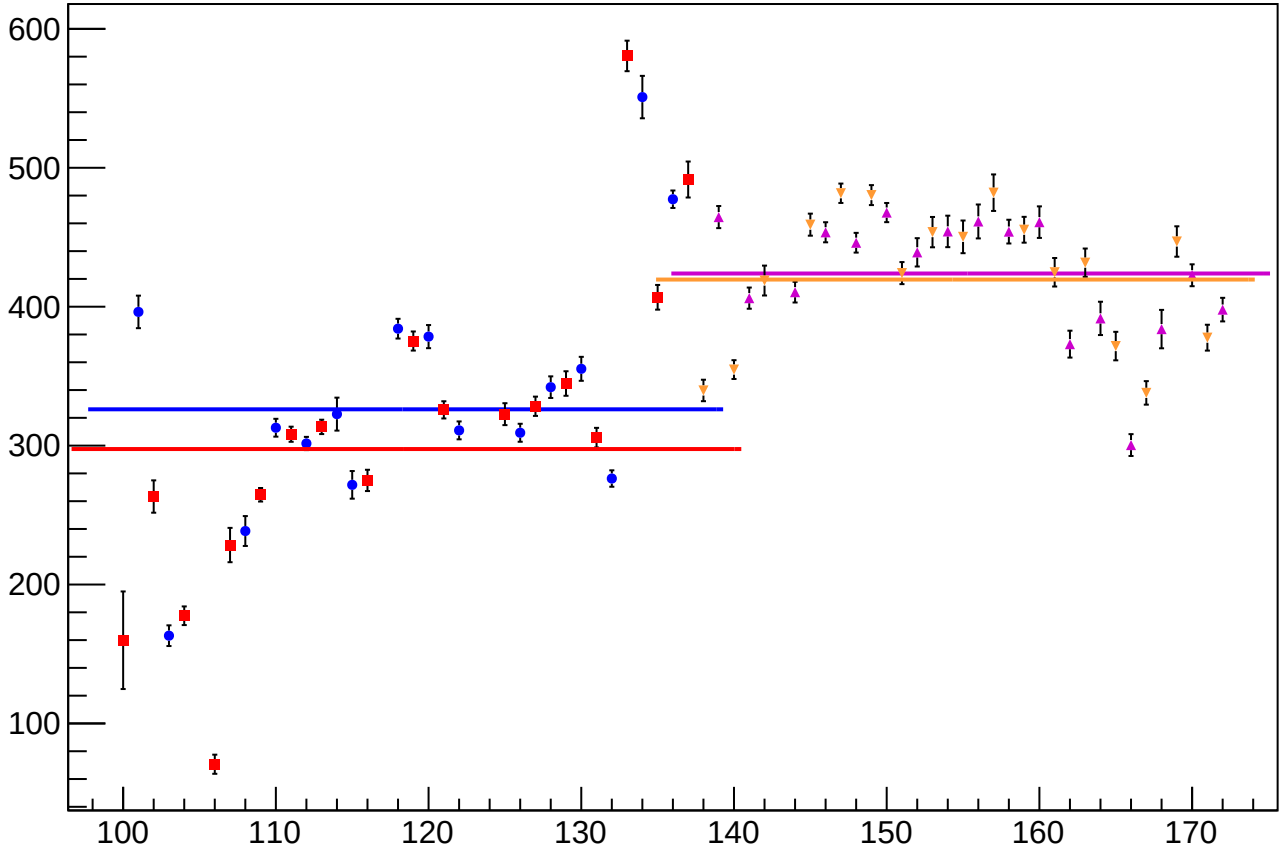
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -304.303+/-0.091 χ^2/NDF:162167.1/32

Out: -276.213+/-0.088 χ^2/NDF:911398.5/34

All: -289.888+/-0.063 χ^2/NDF: 1122824.9/67

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: 419.545+/-2.160 χ^2/NDF:571.4/16

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: 421.778+/-1.508 χ^2/NDF: 1016.3/33

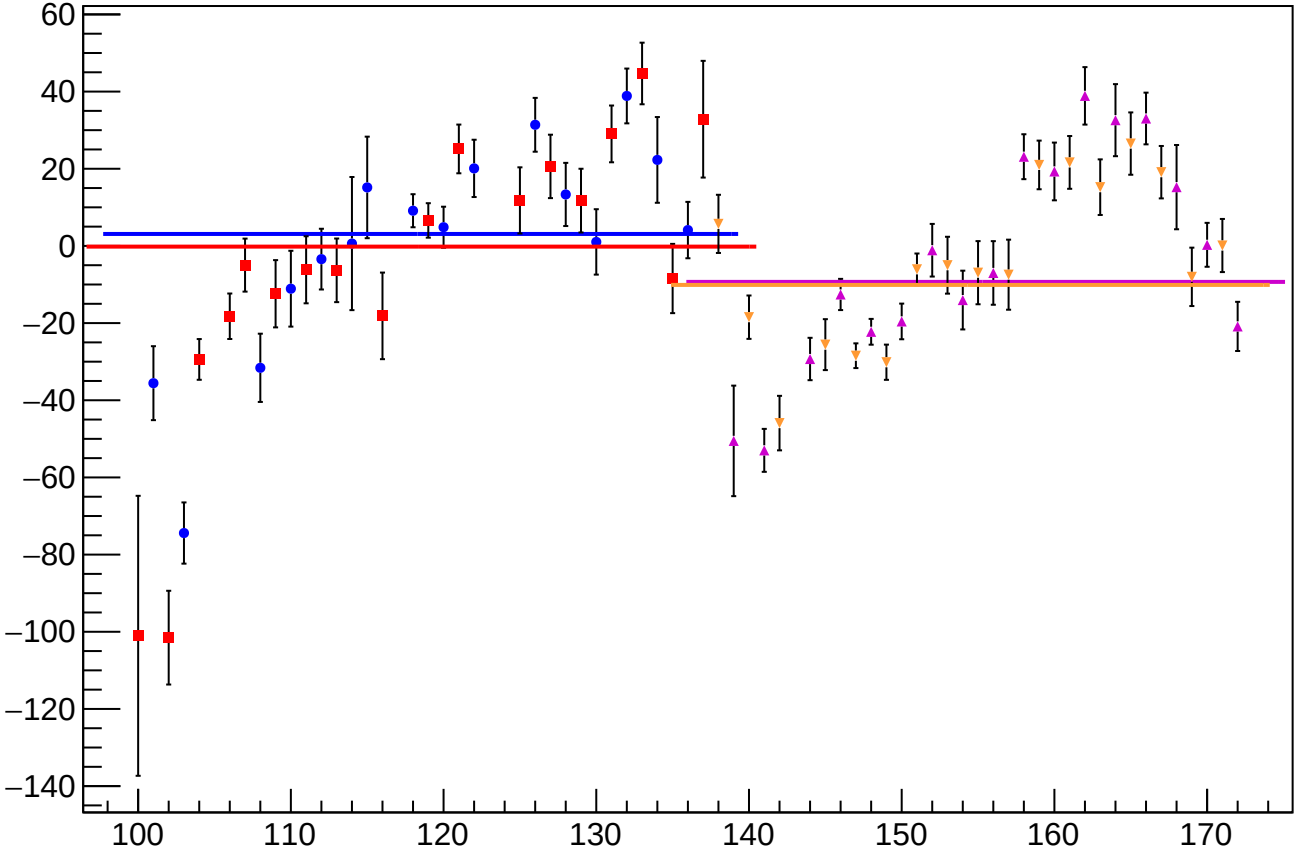
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 368.905+/-1.393 χ^2/NDF:3298.6/32

Out: 345.373+/-1.352 χ^2/NDF:5286.5/34

All: 356.795+/-0.970 χ^2/NDF: 8732.1/67

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: -10.105+/-1.437 χ^2/NDF:191.2/16

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -9.322+/-1.437 χ^2/NDF:264.4/16

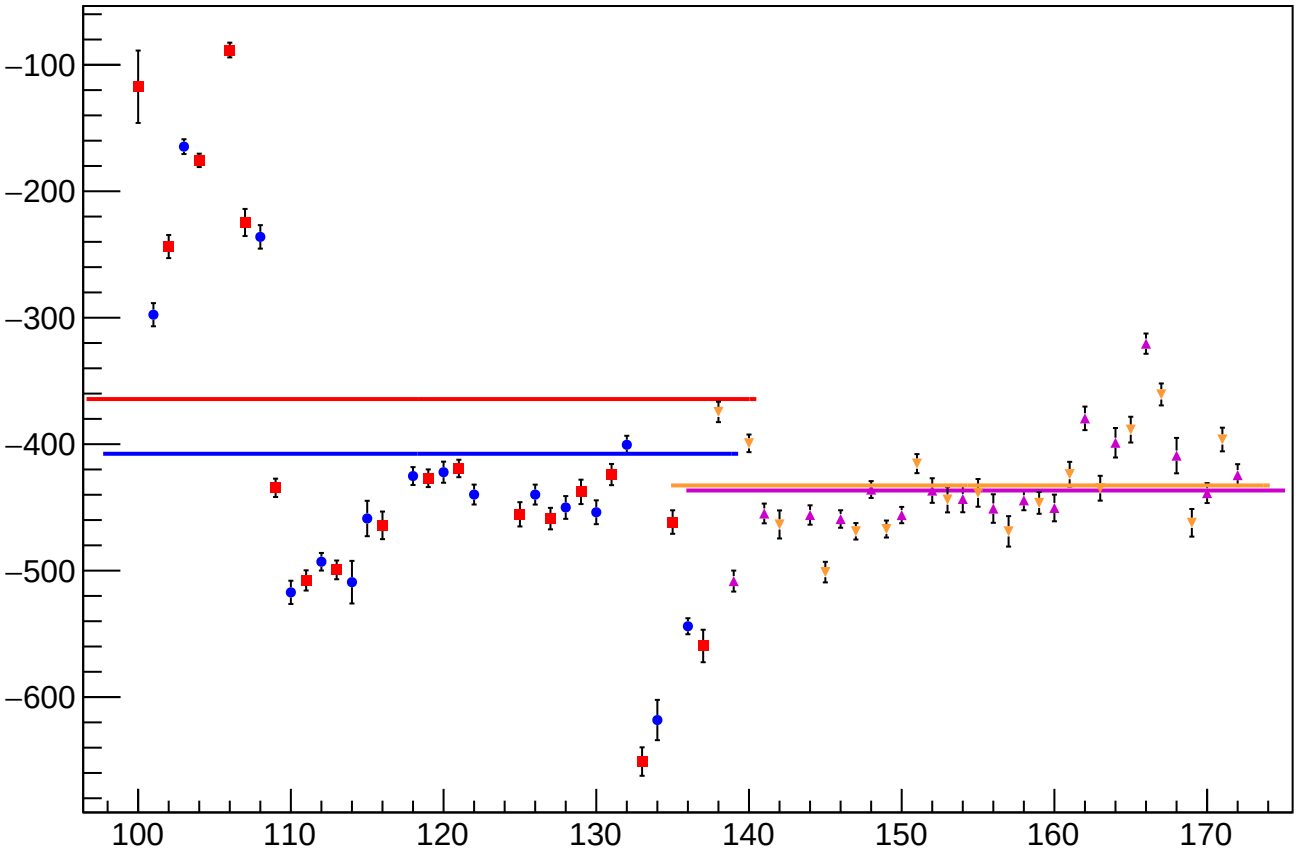
Left: -9.713+/-1.016 χ^2/NDF: 455.7/33

Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -4.778+/-1.144 χ^2/NDF:476.3/32

Out: -6.218+/-1.121 χ^2/NDF:415.1/34

All: -5.513+/-0.801 χ^2/NDF: 892.1/67



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -432.628+/-2.109 χ^2/NDF:340.3/16

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -436.625+/-2.054 χ^2/NDF:374.5/16

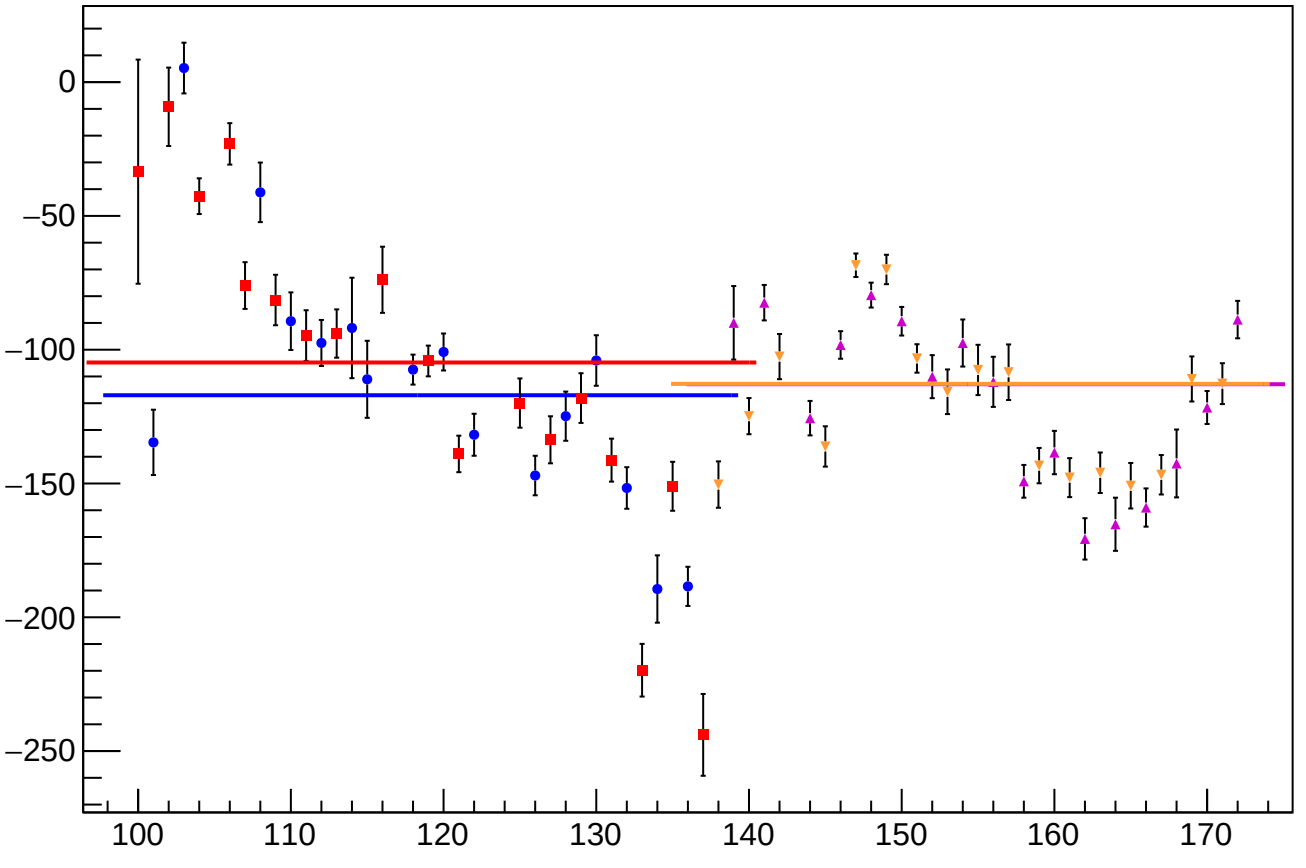
Left: -434.680+/-1.471 χ^2/NDF: 716.6/33

Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -422.242+/-1.459 χ^2/NDF:3754.1/32

Out: -395.672+/-1.429 χ^2/NDF:7128.2/34

All: -408.677+/-1.021 χ^2/NDF: 11051.6/67



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -112.760+/-1.703 χ^2/NDF:304.3/16

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: -112.832+/-1.198 χ^2/NDF: 603.7/33

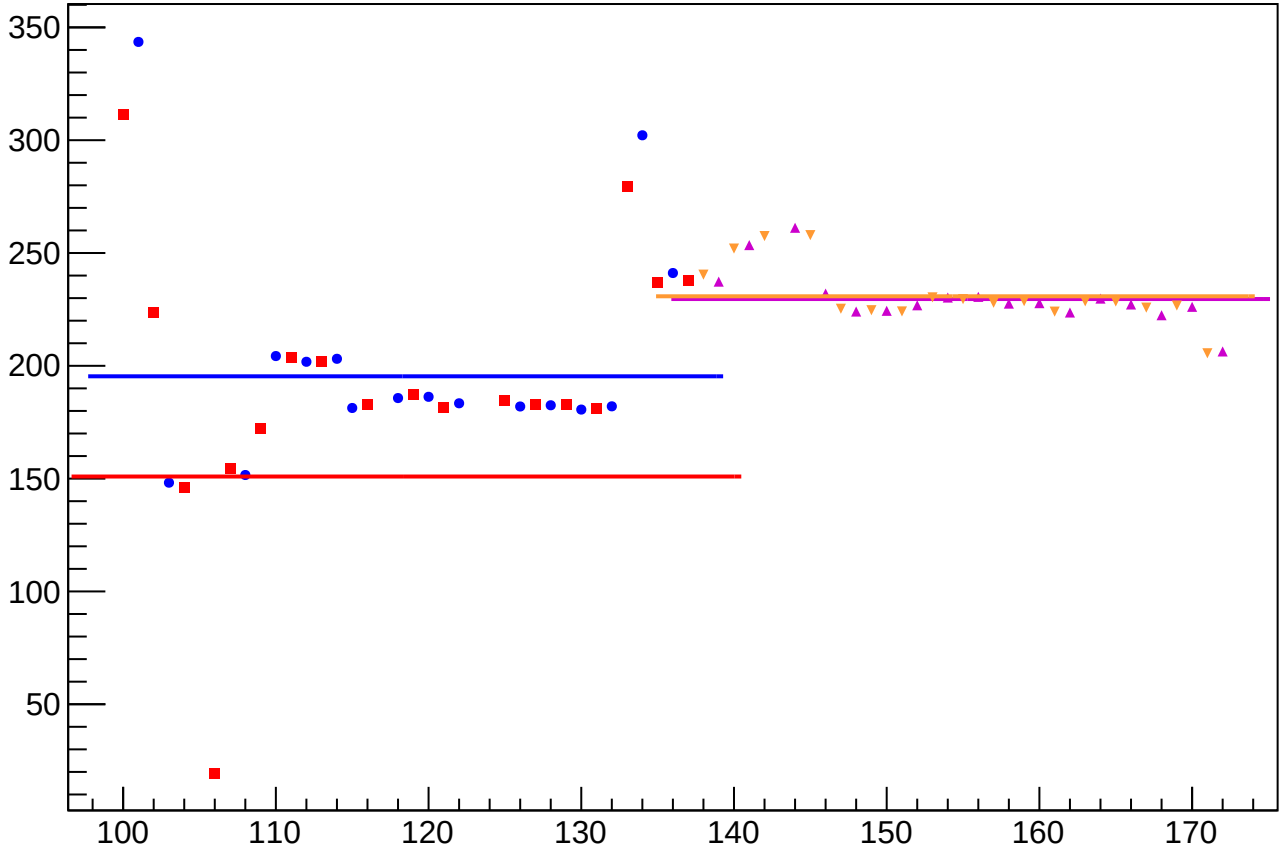
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -114.430+/-1.336 χ^2/NDF:709.5/32

Out: -109.577+/-1.321 χ^2/NDF:888.1/34

All: -111.974+/-0.939 χ^2/NDF: 1604.3/67

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: 230.816+/-0.081 χ^2/NDF:24744.6/16

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: 230.185+/-0.056 χ^2/NDF: 47488.3/33

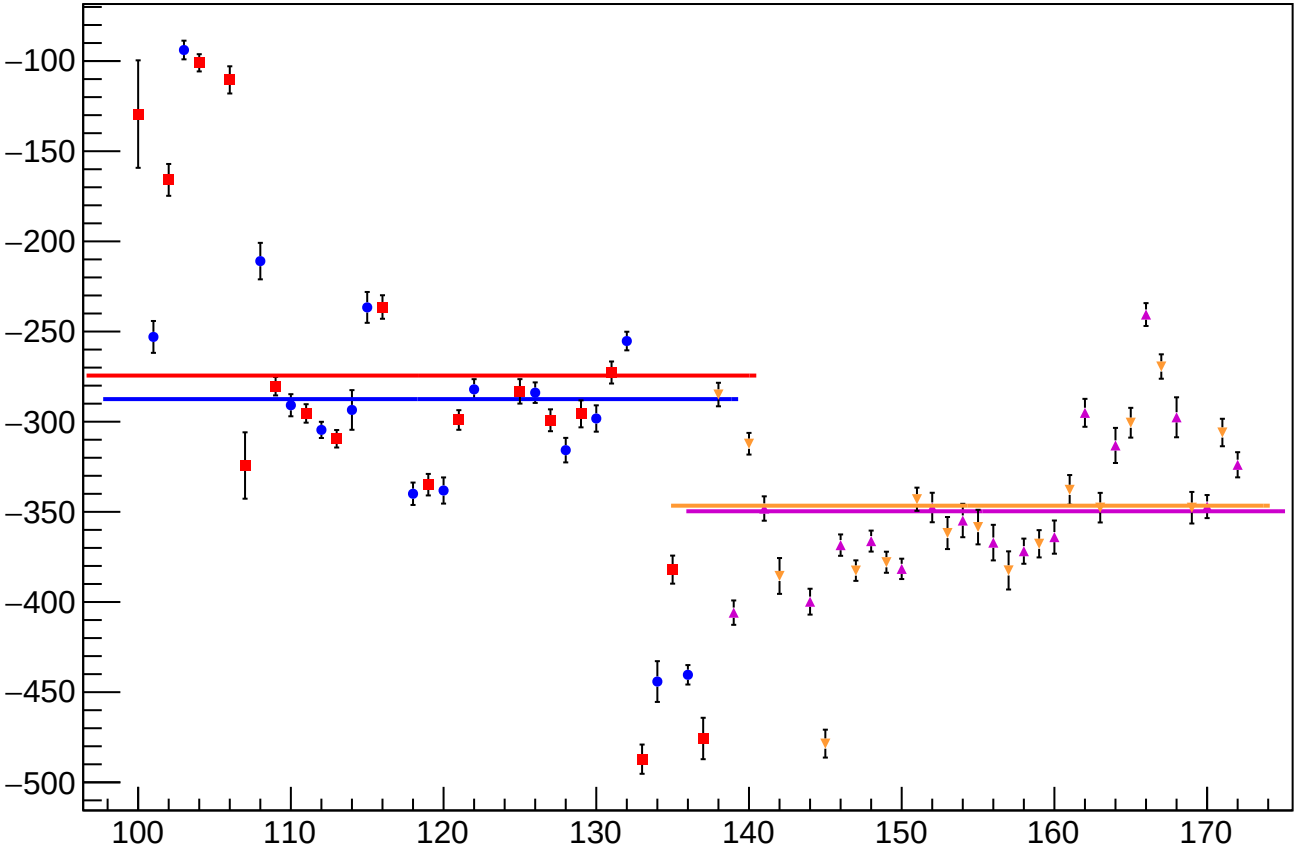
Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 220.006+/-0.066 χ^2/NDF:253966.7/32

Out: 202.892+/-0.065 χ^2/NDF:865960.1/34

All: 211.341+/-0.046 χ^2/NDF: 1154010.8/67

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -287.476+/-1.611 χ^2/NDF: 2696.5/15

Left Out: -346.577+/-1.800 χ^2/NDF:711.7/16

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: -348.170+/-1.254 χ^2/NDF: 1293.2/33

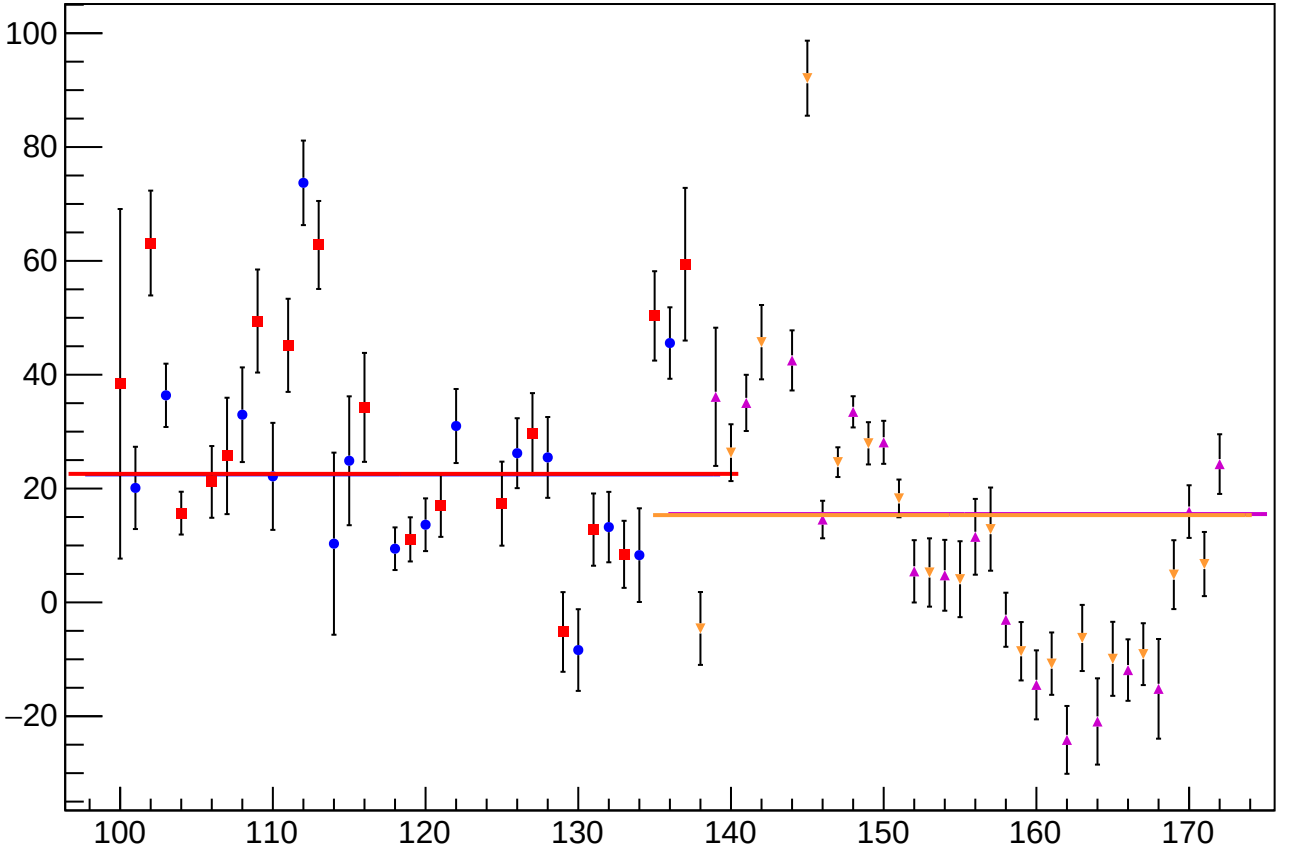
Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -316.033+/-1.185 χ^2/NDF:3960.6/32

Out: -305.177+/-1.175 χ^2/NDF:5047.4/34

All: -310.559+/-0.834 χ^2/NDF: 9050.3/67

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: 15.336+/-1.189 χ^2/NDF:301.4/16

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: 15.427+/-0.841 χ^2/NDF: 555.0/33

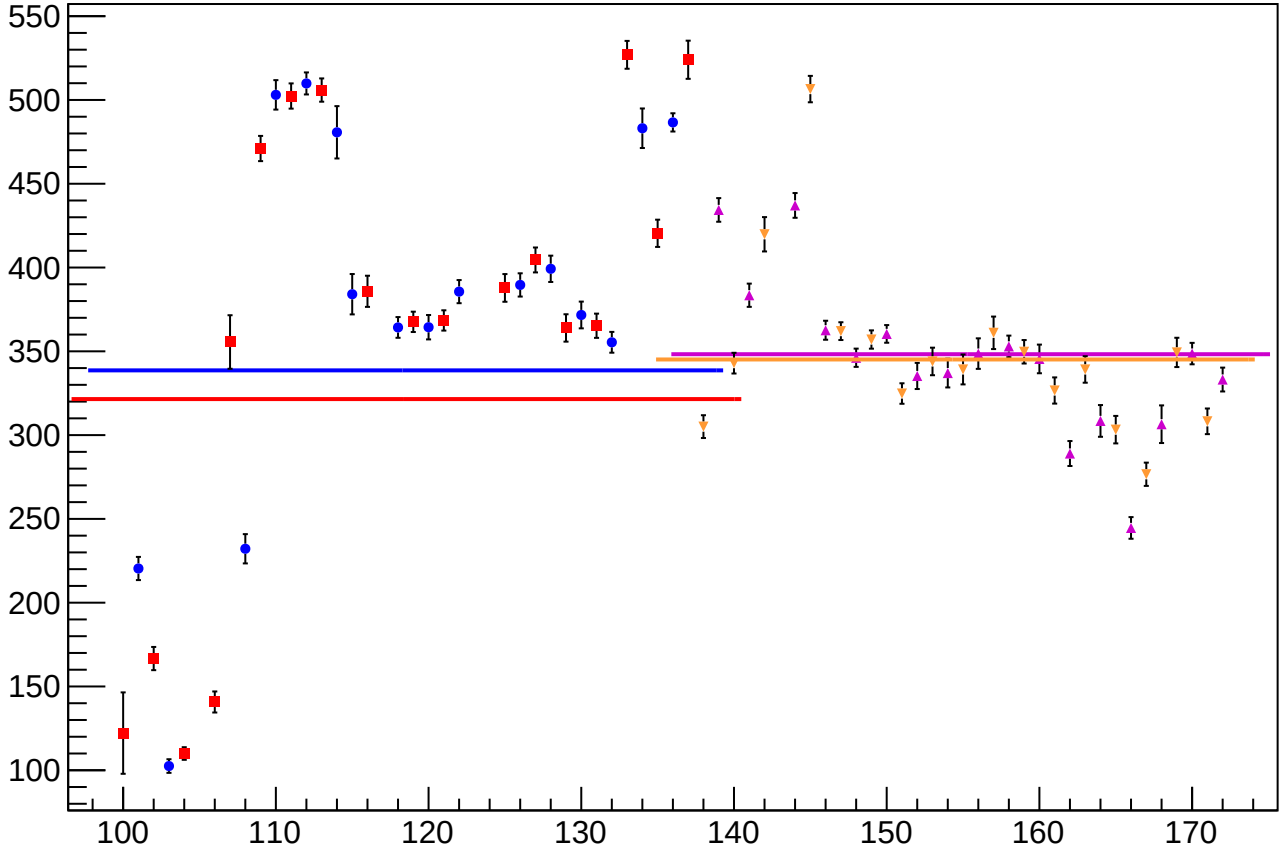
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 17.957+/-0.958 χ^2/NDF:377.1/32

Out: 17.977+/-0.948 χ^2/NDF:438.3/34

All: 17.967+/-0.674 χ^2/NDF: 815.3/67

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: 345.135+/-1.752 χ^2/NDF:690.2/16

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 348.273+/-1.702 χ^2/NDF:692.8/16

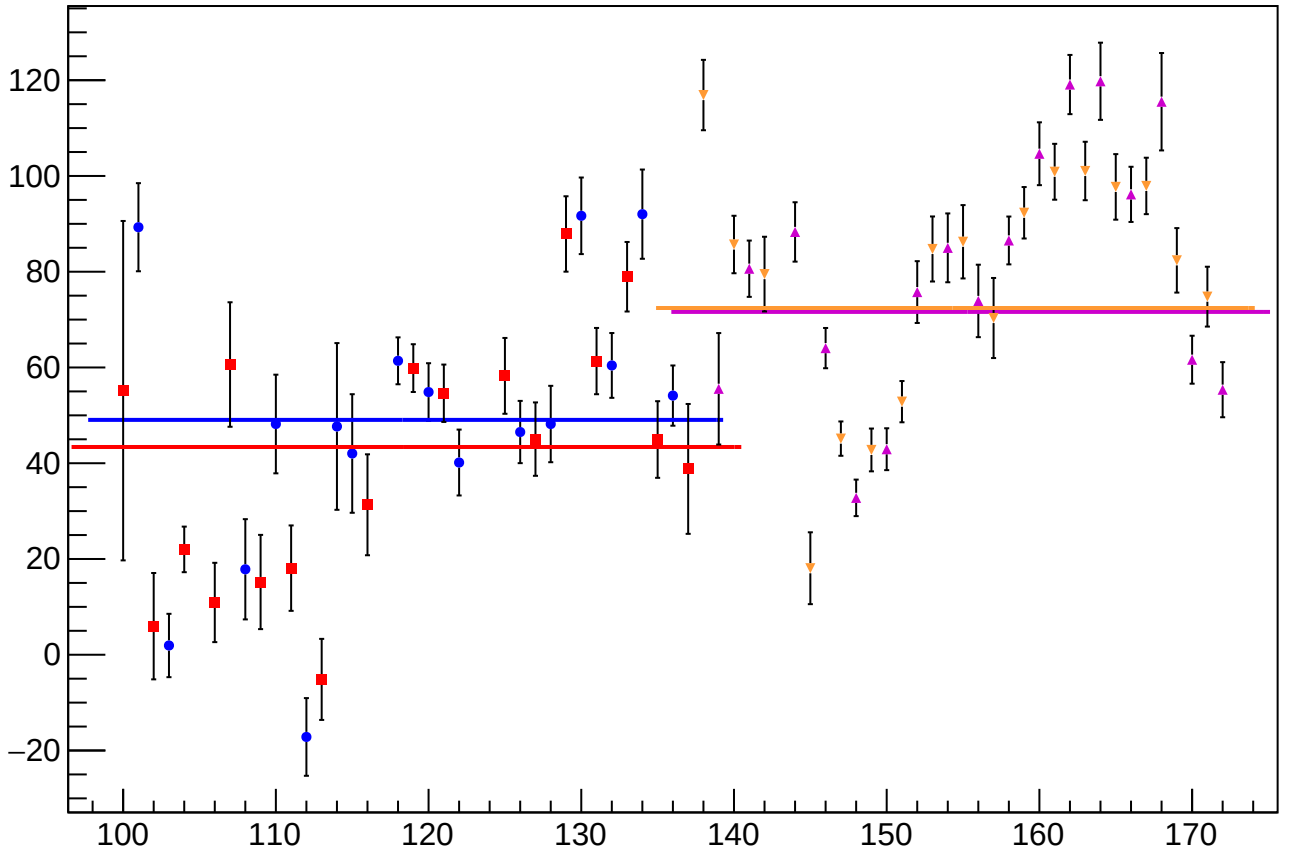
Left: 346.749+/-1.221 χ^2/NDF: 1384.6/33

Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 343.582+/-1.220 χ^2/NDF:6751.1/32

Out: 332.921+/-1.218 χ^2/NDF:8505.0/34

All: 338.244+/-0.862 χ^2/NDF: 15294.3/67



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 72.422+/-1.409 χ^2/NDF:318.1/16

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 71.606+/-1.393 χ^2/NDF:343.1/16

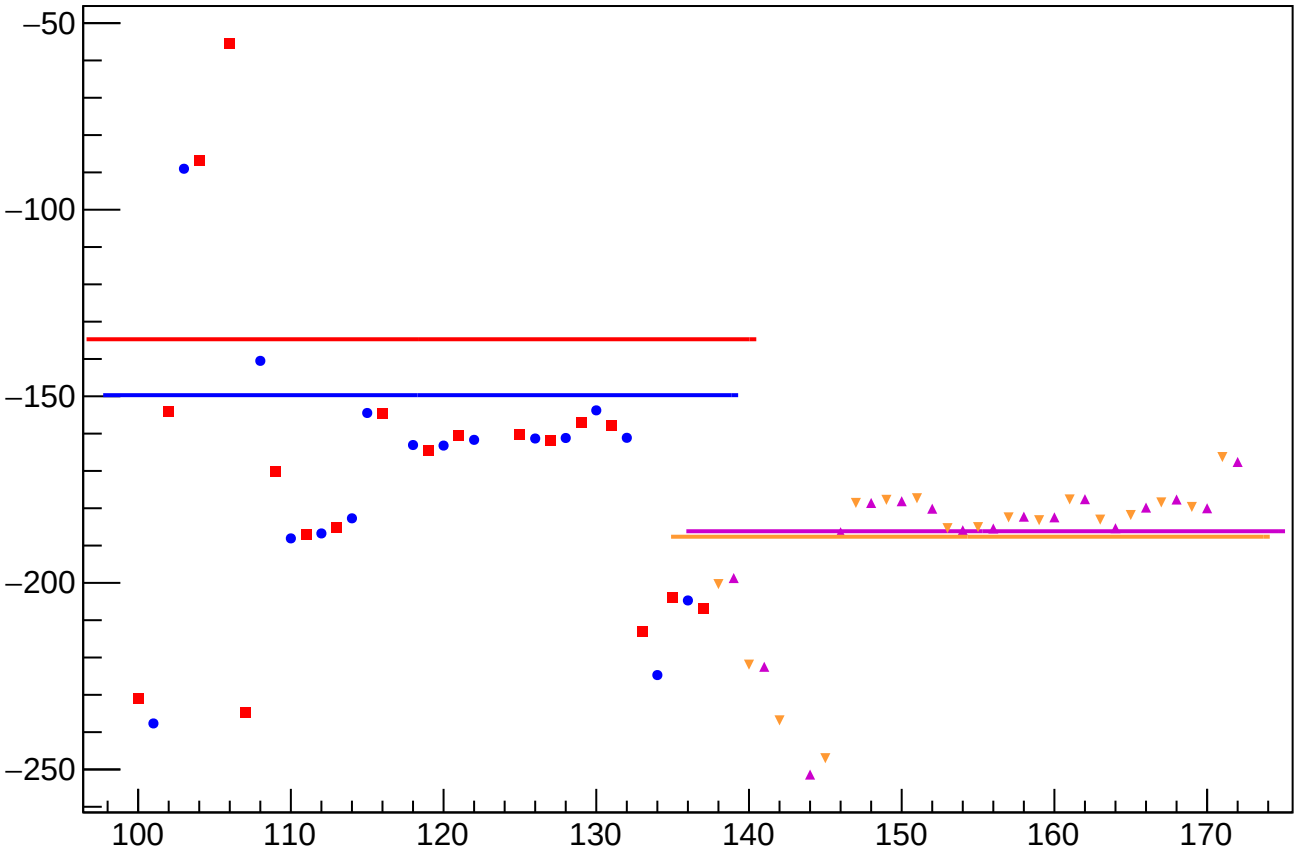
Left: 72.009+/-0.990 χ^2/NDF: 661.4/33

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 63.627+/-1.120 χ^2/NDF:643.8/32

Out: 61.647+/-1.117 χ^2/NDF:655.6/34

All: 62.635+/-0.791 χ^2/NDF: 1301.0/67



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -187.629+/-0.067 χ^2/NDF:84127.1/16

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -186.161+/-0.064 χ^2/NDF:69644.5/16

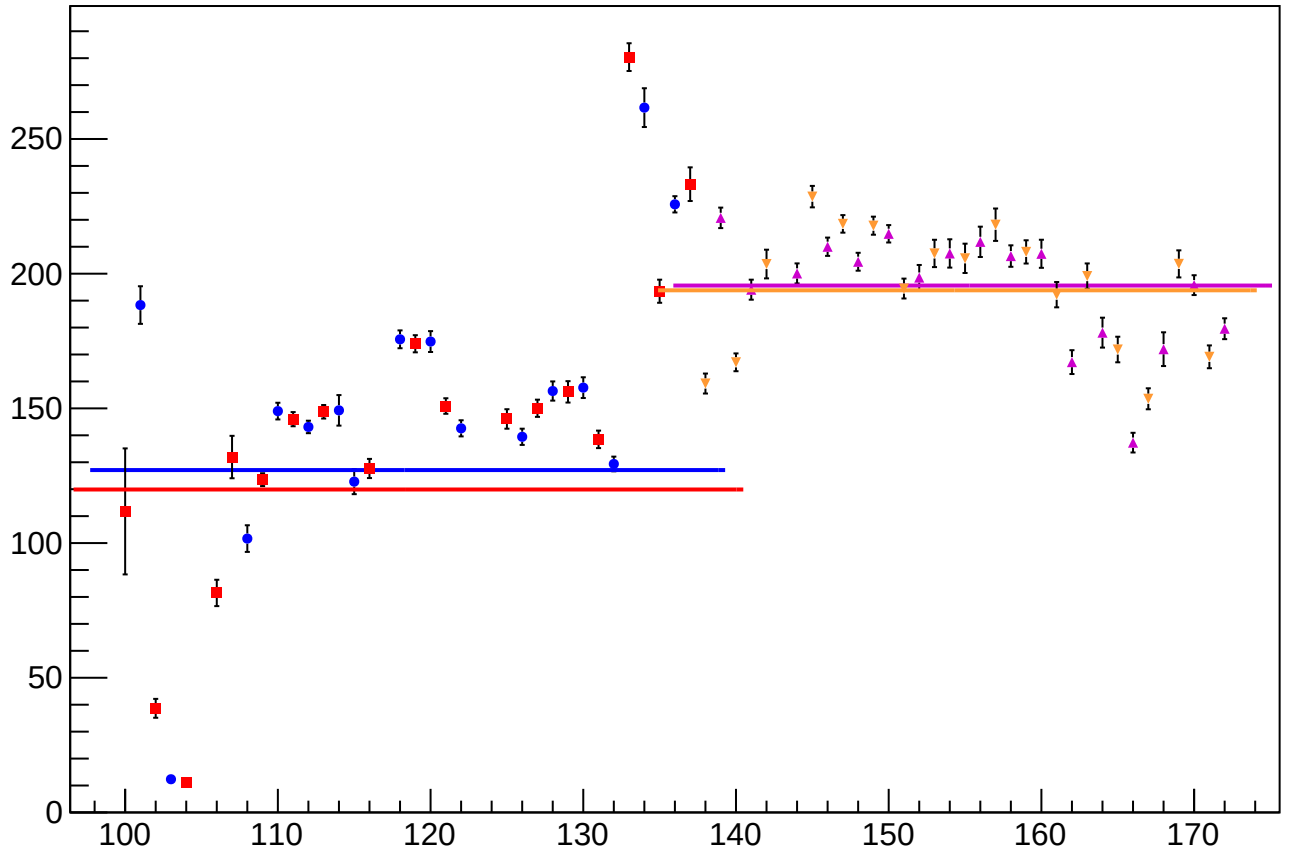
Left: -186.866+/-0.046 χ^2/NDF: 154022.6/33

Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -175.646+/-0.054 χ^2/NDF:419198.0/32

Out: -170.605+/-0.055 χ^2/NDF:598625.6/34

All: -173.166+/-0.039 χ^2/NDF: 1022087.9/67



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 193.828+/-1.016 χ^2/NDF:547.5/16

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: 194.736+/-0.708 χ^2/NDF: 1018.6/33

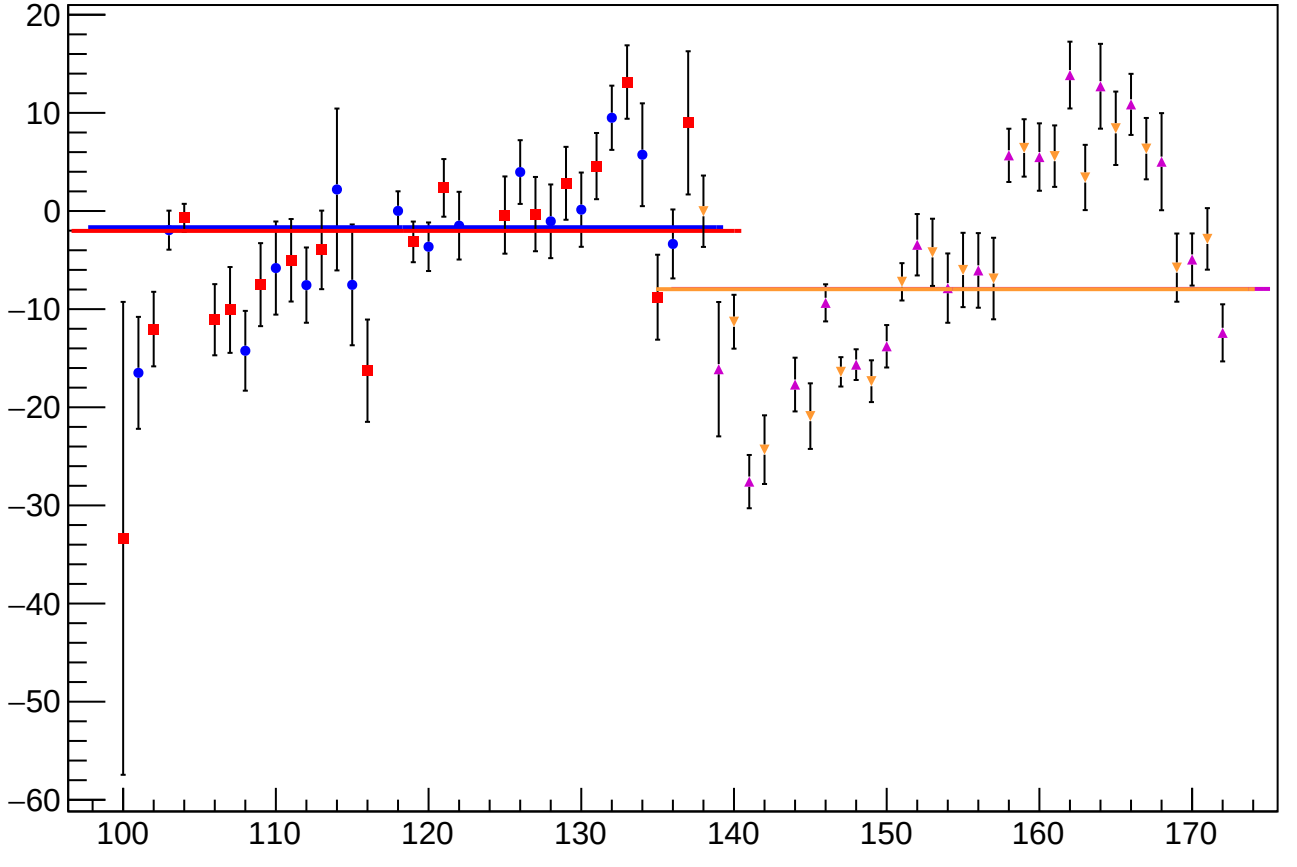
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 154.673+/-0.627 χ^2/NDF:9505.5/32

Out: 147.066+/-0.616 χ^2/NDF:10550.0/34

All: 150.802+/-0.439 χ^2/NDF: 20130.4/67

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: -7.966+/-0.674 χ^2/NDF:193.7/16

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: -7.953+/-0.476 χ^2/NDF: 445.9/33

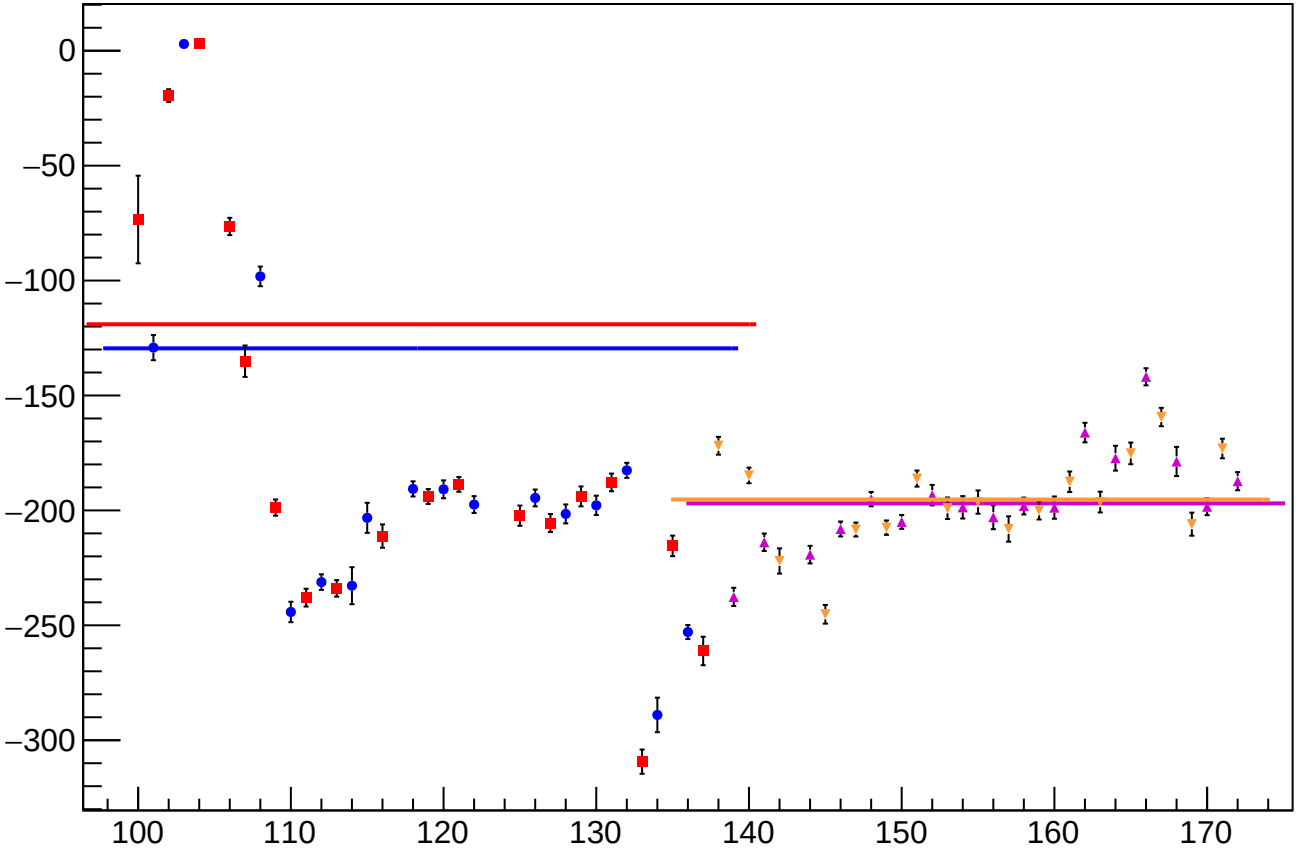
Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -5.455+/-0.523 χ^2/NDF:325.7/32

Out: -5.392+/-0.507 χ^2/NDF:286.0/34

All: -5.422+/-0.364 χ^2/NDF: 611.7/67

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -195.260+/-0.990 χ^2/NDF:401.7/16

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -196.939+/-0.962 χ^2/NDF:479.2/16

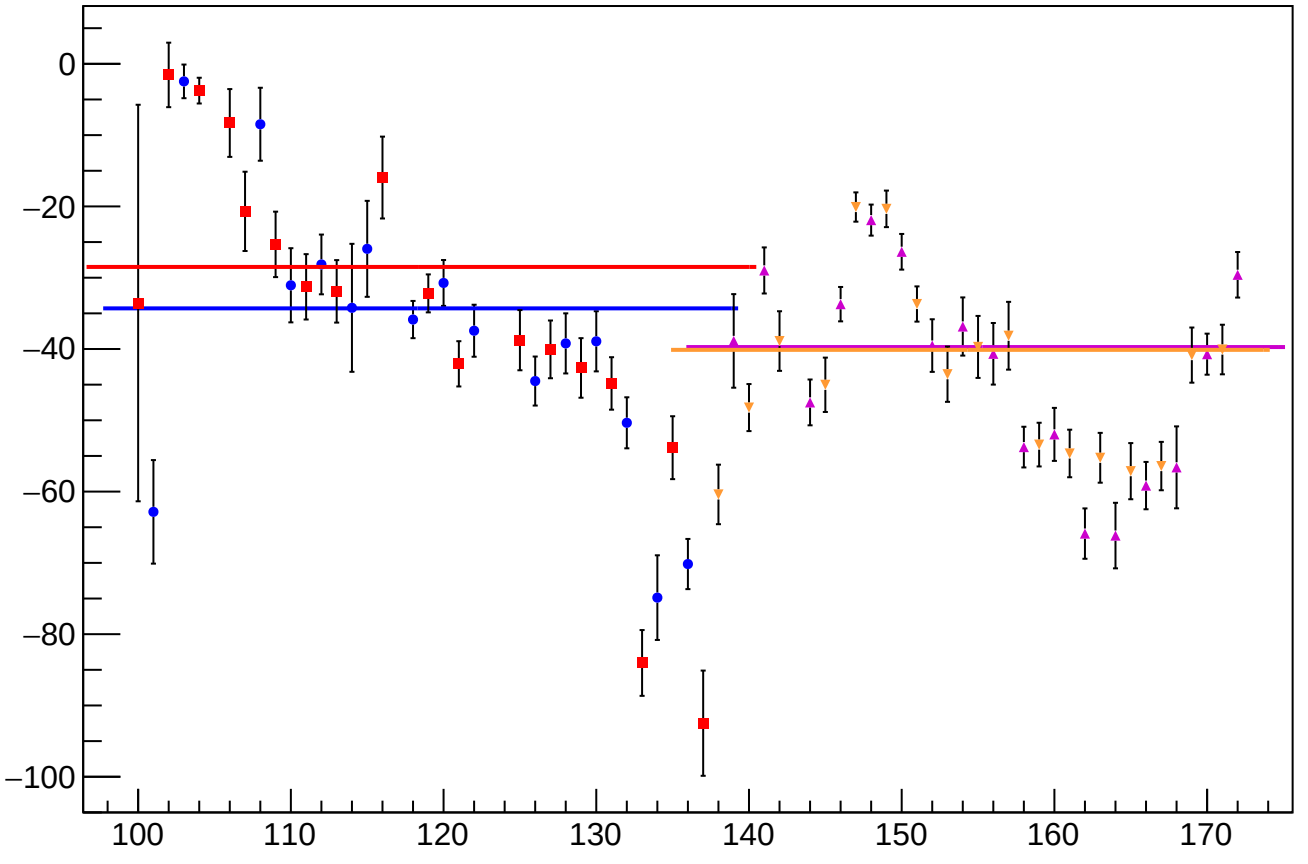
Left: -196.123+/-0.690 χ^2/NDF: 882.3/33

Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

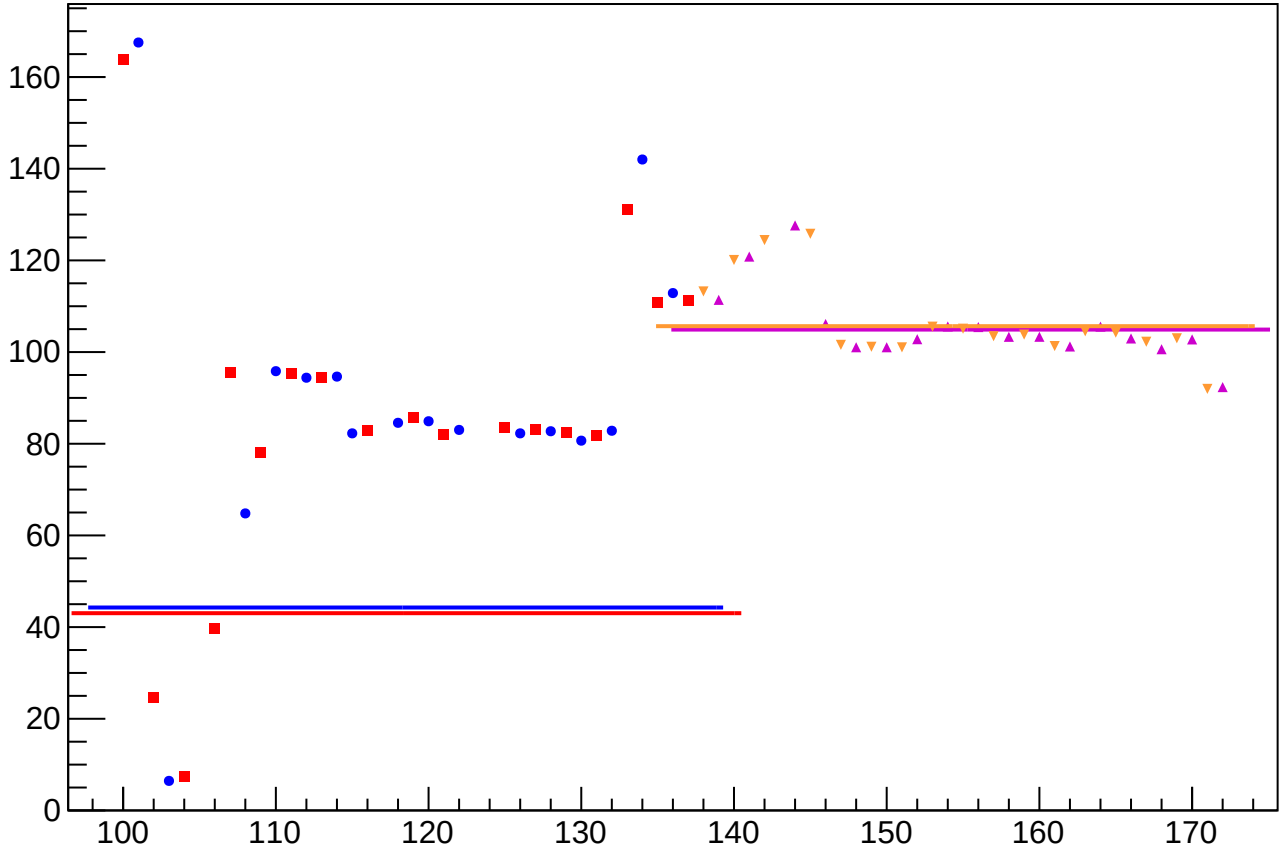
In: -158.907+/-0.636 χ^2/NDF:17935.8/32

Out: -149.720+/-0.628 χ^2/NDF:20121.5/34

All: -154.260+/-0.447 χ^2/NDF: 38163.0/67


reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
Right In: -34.301+/-0.968 χ²/NDF: 411.3/15
Left Out: -40.119+/-0.798 χ²/NDF:292.1/16
Right Out: -28.488+/-0.907 χ²/NDF: 568.0/17
Left In: -39.726+/-0.789 χ²/NDF:295.1/16
Left: -39.920+/-0.561 χ²/NDF: 587.3/33
Right: -31.206+/-0.662 χ²/NDF: 998.5/33
In: -37.560+/-0.611 χ²/NDF:725.3/32
Out: -35.045+/-0.599 χ²/NDF:952.9/34
All: -36.277+/-0.428 χ²/NDF: 1686.8/67

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: 105.650+/-0.038 χ^2/NDF:48257.3/16

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: 105.263+/-0.026 χ^2/NDF: 90942.0/33

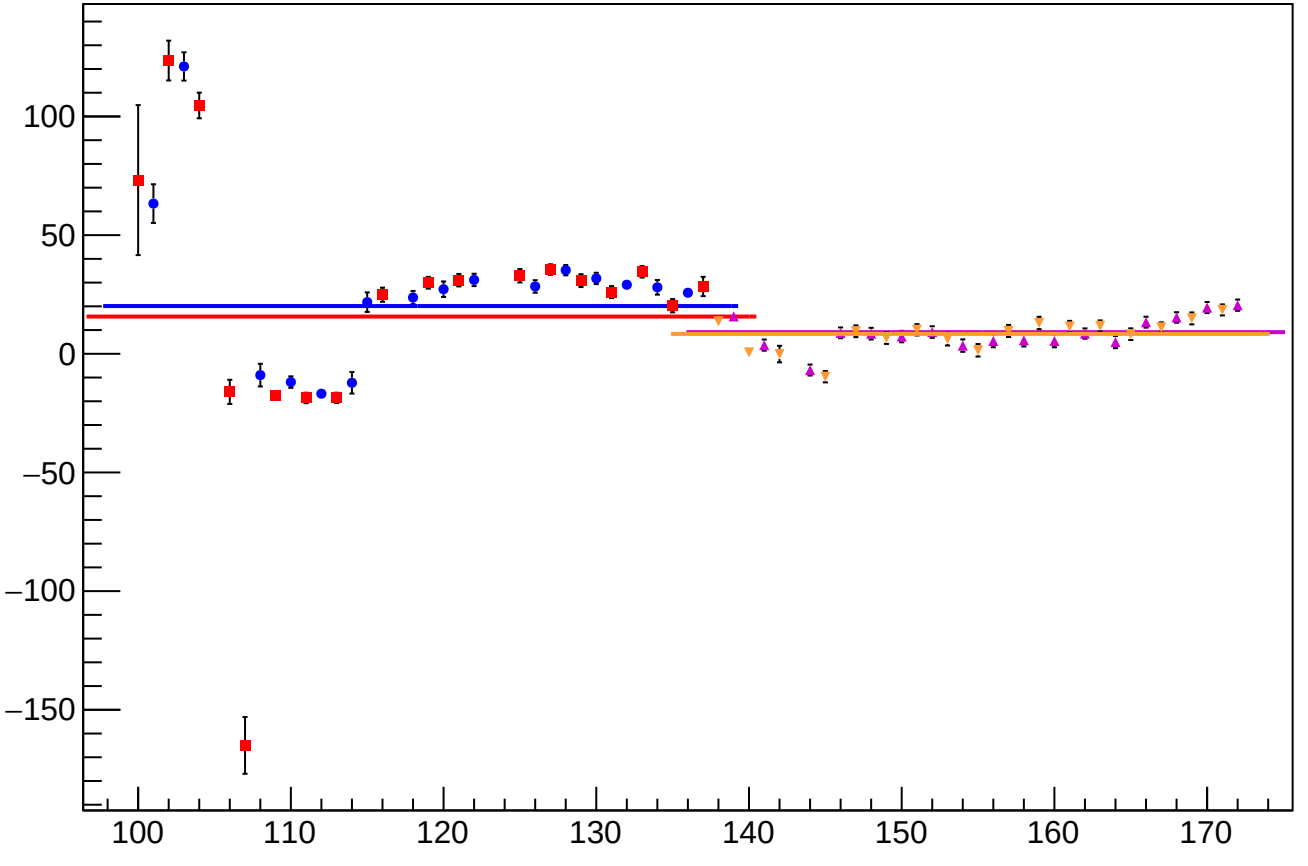
Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 80.934+/-0.028 χ^2/NDF:2228100.4/32

Out: 79.785+/-0.029 χ^2/NDF:1987909.2/34

All: 80.373+/-0.020 χ^2/NDF: 4216817.0/67

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: 8.380+/-0.589 χ^2/NDF:126.1/16

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: 8.758+/-0.412 χ^2/NDF: 258.4/33

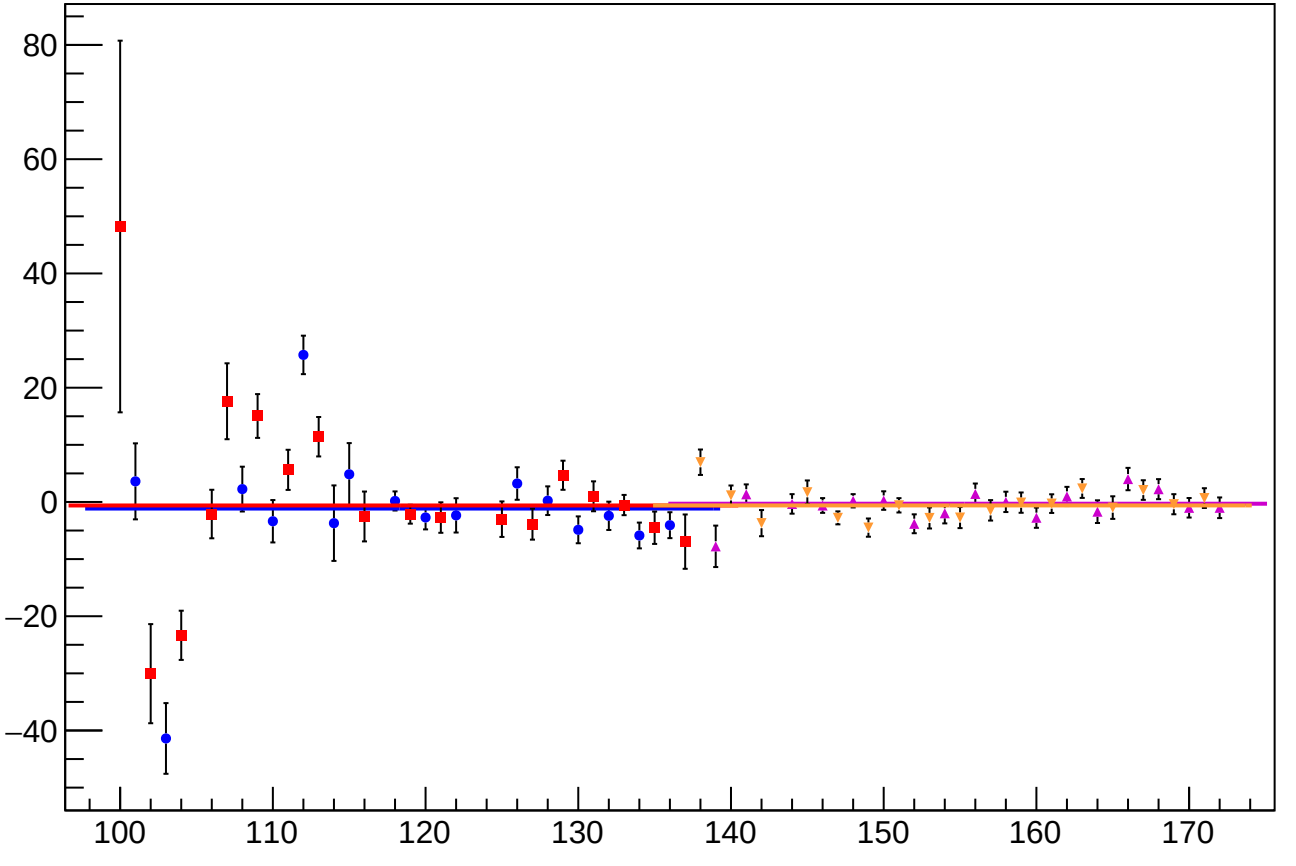
Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 13.669+/-0.442 χ^2/NDF:1329.8/32

Out: 11.508+/-0.446 χ^2/NDF:1965.9/34

All: 12.598+/-0.314 χ^2/NDF: 3307.5/67

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.151+/-0.699 χ^2/NDF: 121.8/15

Left Out: -0.605+/-0.409 χ^2/NDF:34.6/16

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: -0.456+/-0.290 χ^2/NDF: 57.0/33

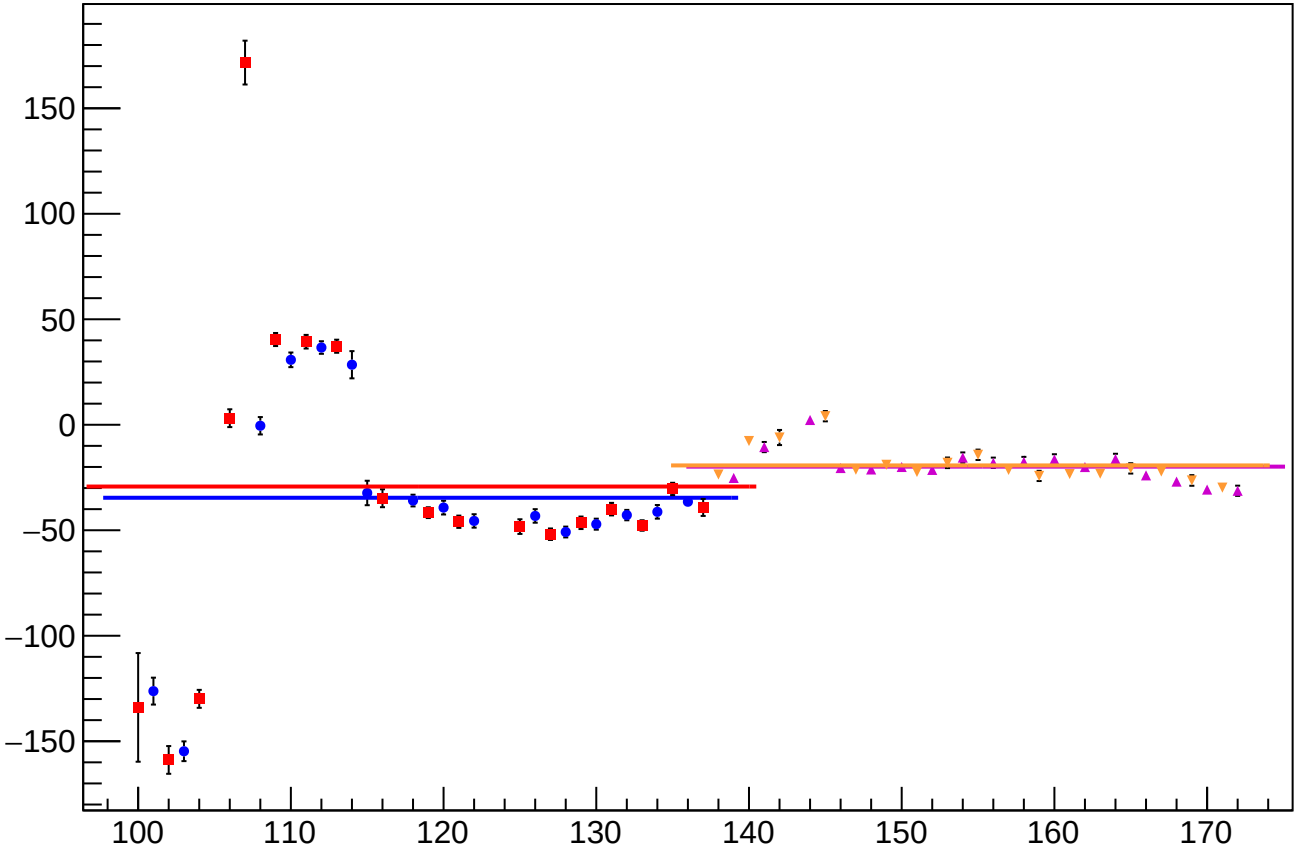
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.523+/-0.354 χ^2/NDF:145.0/32

Out: -0.607+/-0.355 χ^2/NDF:128.0/34

All: -0.565+/-0.251 χ^2/NDF: 273.0/67

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: -19.273+/-0.575 χ^2/NDF:187.1/16

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: -19.565+/-0.403 χ^2/NDF: 361.8/33

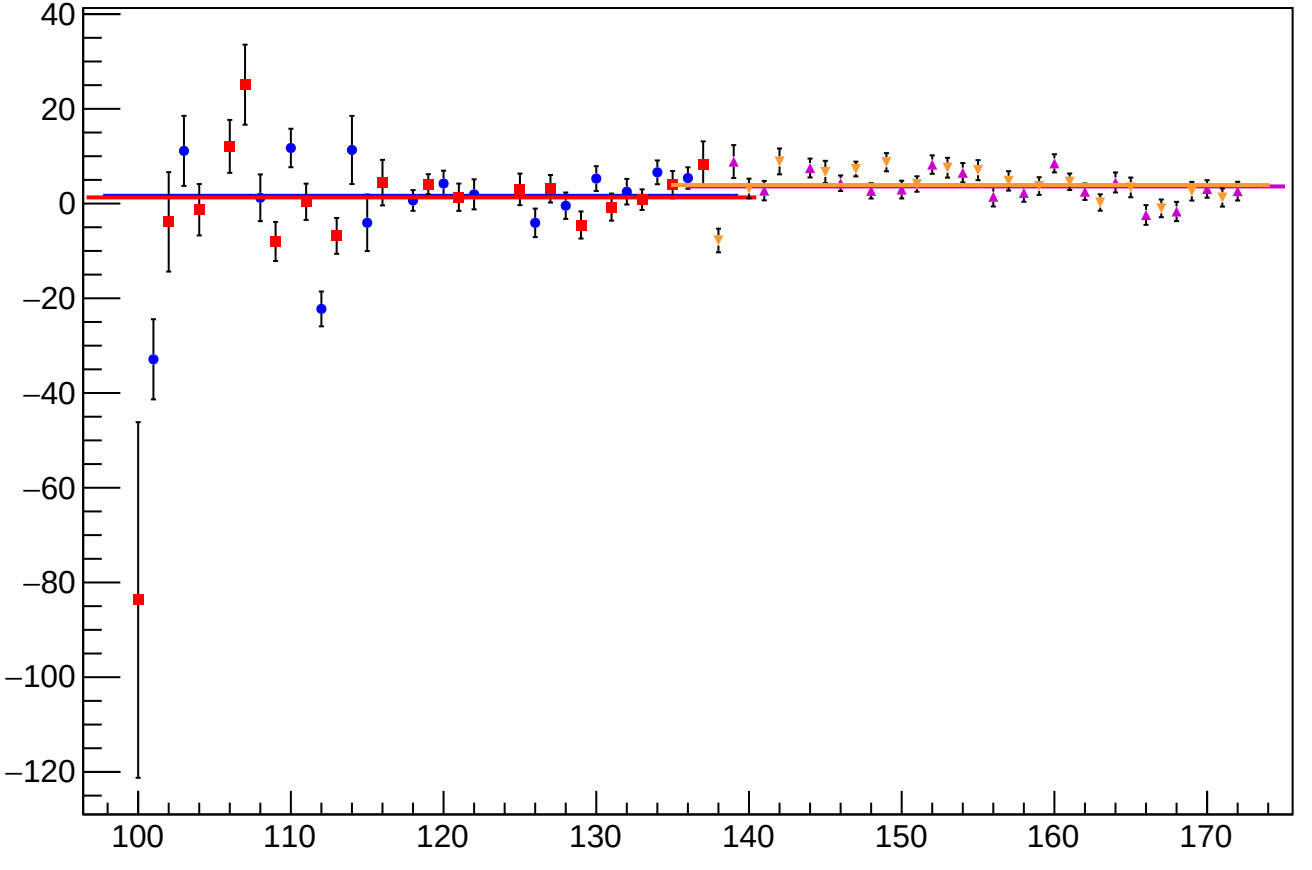
Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -24.854+/-0.458 χ^2/NDF:2465.2/32

Out: -22.683+/-0.467 χ^2/NDF:3371.3/34

All: -23.789+/-0.327 χ^2/NDF: 5847.5/67

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 3.916+/-0.473 χ^2/NDF:57.4/16

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: 3.765+/-0.334 χ^2/NDF: 96.3/33

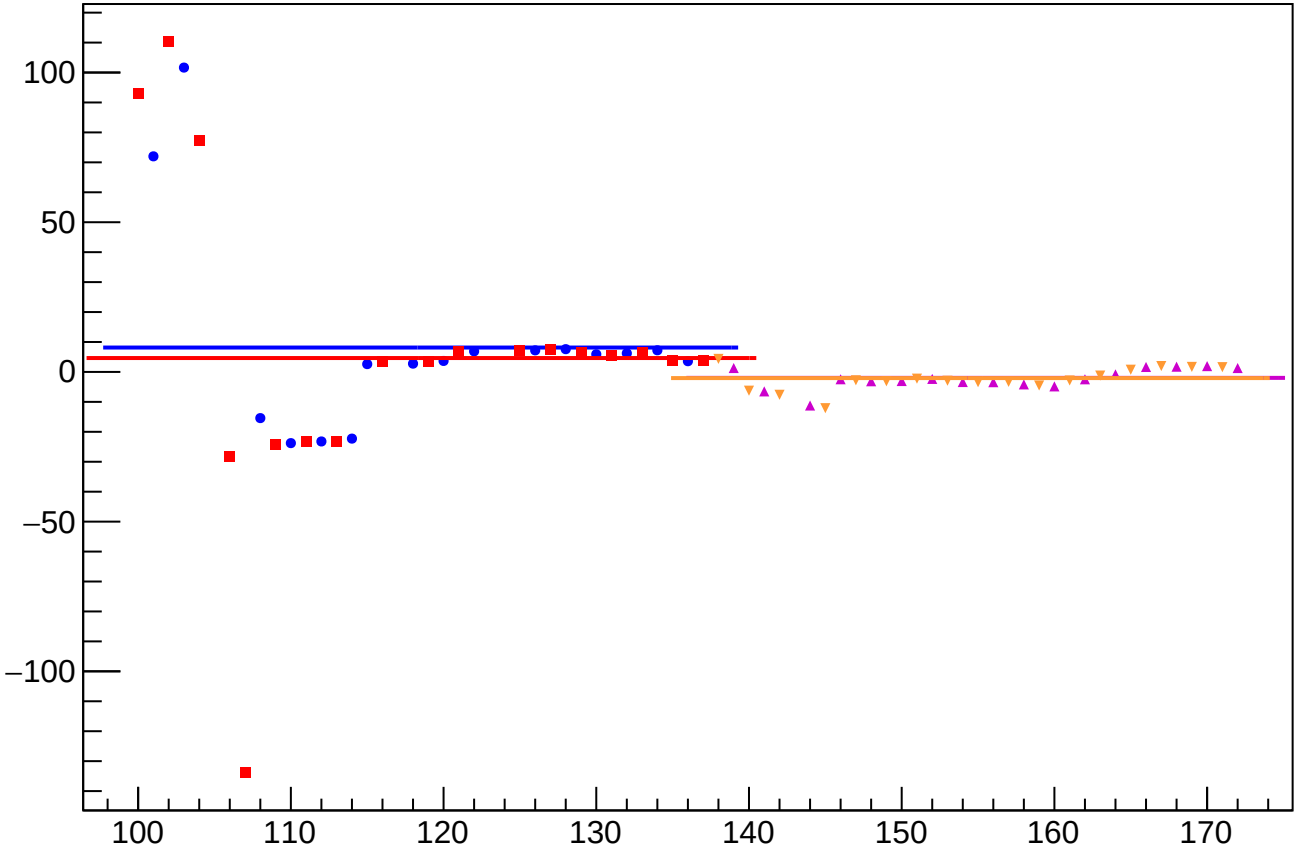
Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 3.098+/-0.406 χ^2/NDF:126.5/32

Out: 3.257+/-0.410 χ^2/NDF:102.6/34

All: 3.177+/-0.288 χ^2/NDF: 229.3/67

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 8.146+/-0.048 χ^2/NDF: 313350.7/15

Left Out: -2.057+/-0.021 χ^2/NDF:29285.8/16

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: -2.020+/-0.015 χ^2/NDF: 51579.8/33

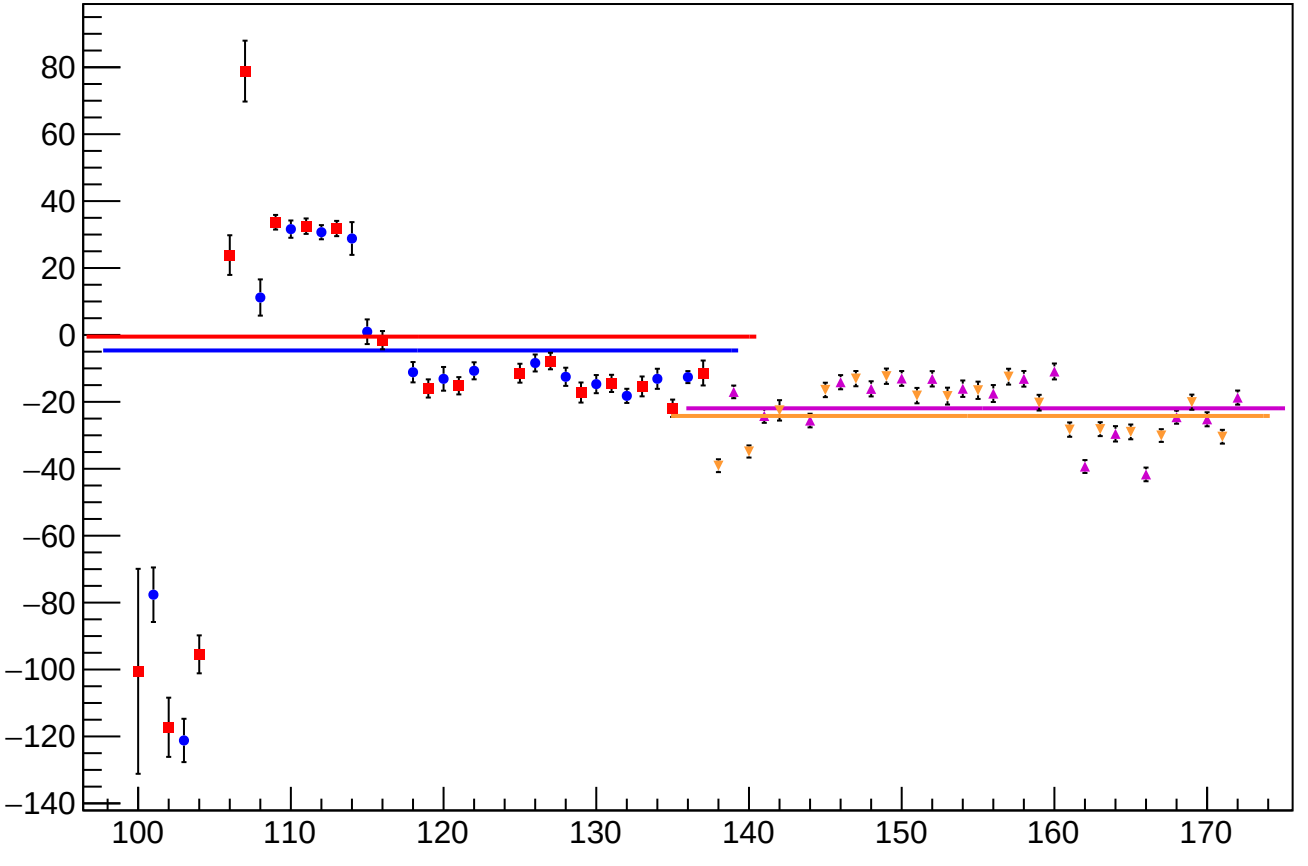
Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: -0.400+/-0.019 χ^2/NDF:372636.4/32

Out: -1.084+/-0.020 χ^2/NDF:490431.3/34

All: -0.732+/-0.014 χ^2/NDF: 863688.9/67

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.640+/-0.712 χ^2/NDF: 1046.3/15

Left Out: -24.215+/-0.535 χ^2/NDF:240.3/16

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: -23.047+/-0.374 χ^2/NDF: 548.2/33

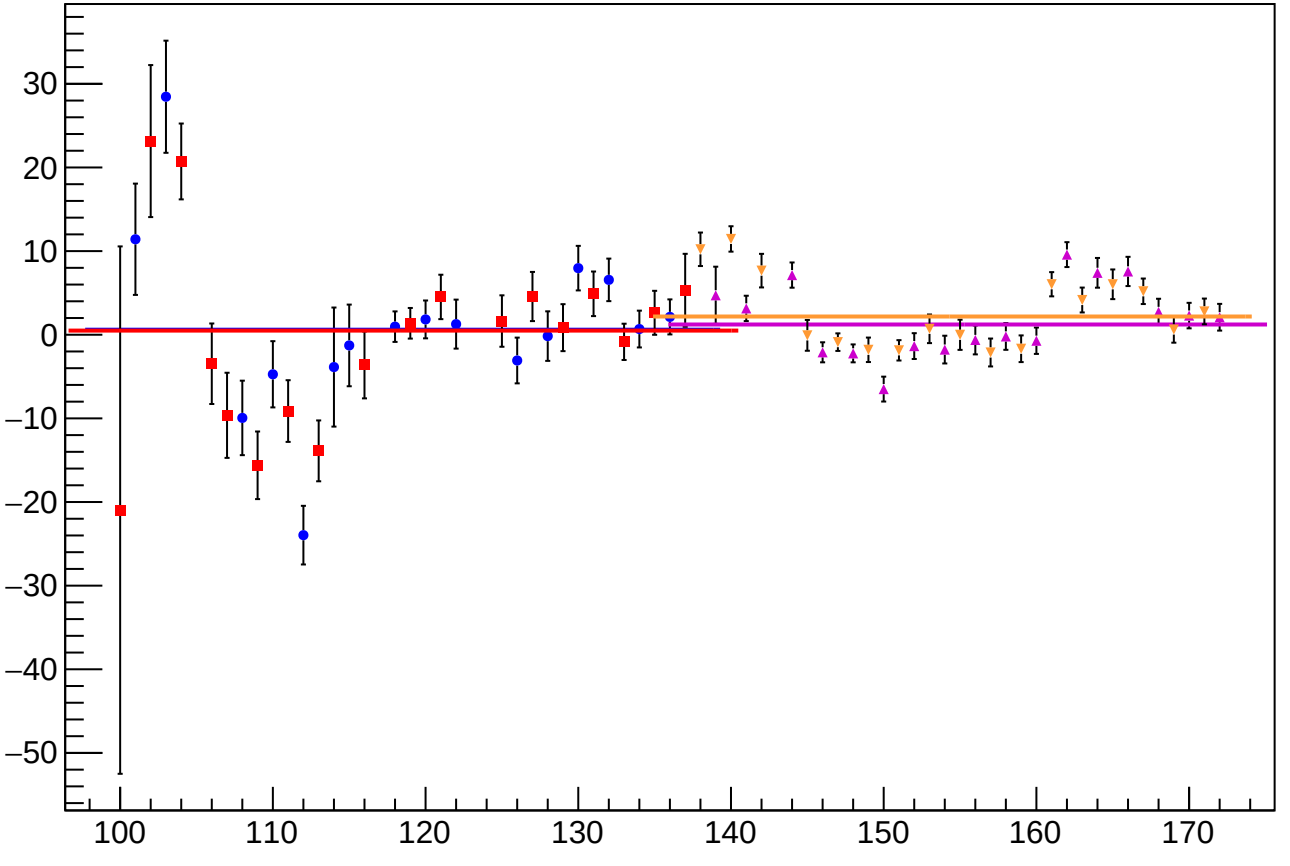
Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -15.857+/-0.422 χ^2/NDF:1727.8/32

Out: -15.637+/-0.428 χ^2/NDF:2408.2/34

All: -15.749+/-0.300 χ^2/NDF: 4136.1/67

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: 2.180+/-0.373 χ^2/NDF:122.7/16

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: 1.701+/-0.264 χ^2/NDF: 257.0/33

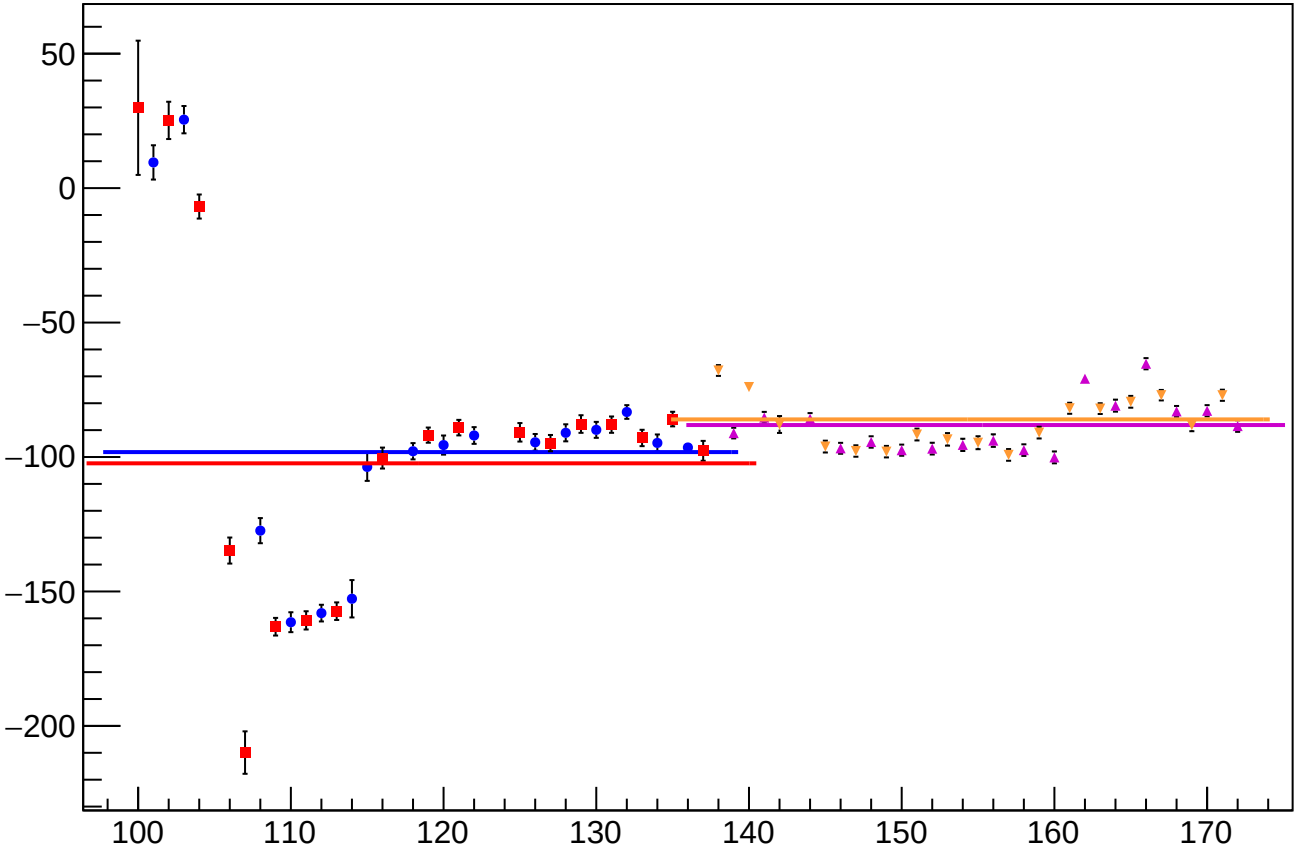
Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: 1.095+/-0.331 χ^2/NDF:224.5/32

Out: 1.849+/-0.335 χ^2/NDF:206.8/34

All: 1.469+/-0.235 χ^2/NDF: 433.9/67

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -98.168+/-0.813 χ^2/NDF: 1699.9/15

Left Out: -86.010+/-0.523 χ^2/NDF:336.4/16

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: -87.083+/-0.366 χ^2/NDF: 707.0/33

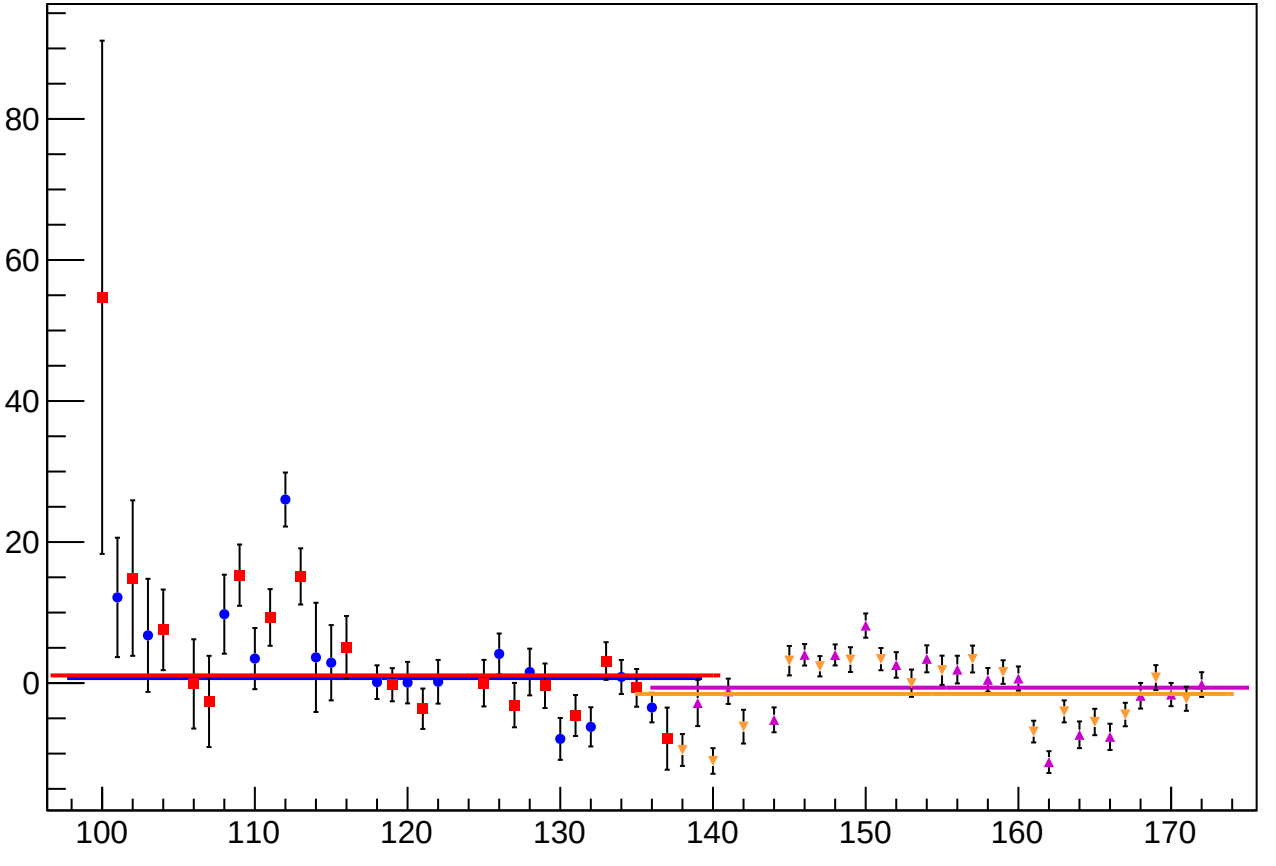
Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -90.963+/-0.433 χ^2/NDF:2172.1/32

Out: -90.603+/-0.444 χ^2/NDF:2727.8/34

All: -90.788+/-0.310 χ^2/NDF: 4900.3/67

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: -1.539+/-0.431 χ^2/NDF:110.9/16

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -0.651+/-0.428 χ^2/NDF:136.9/16

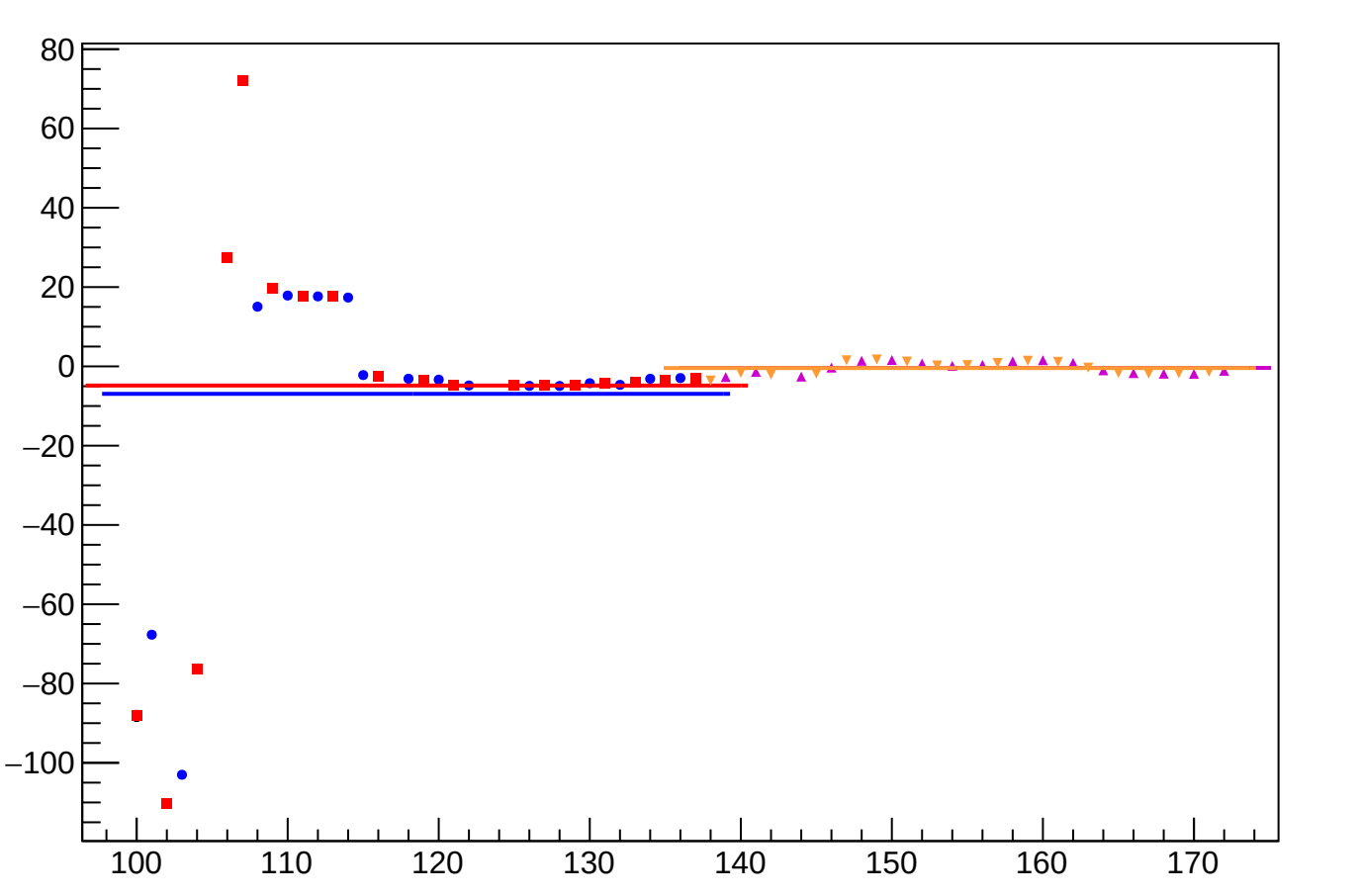
Left: -1.092+/-0.304 χ^2/NDF: 250.0/33

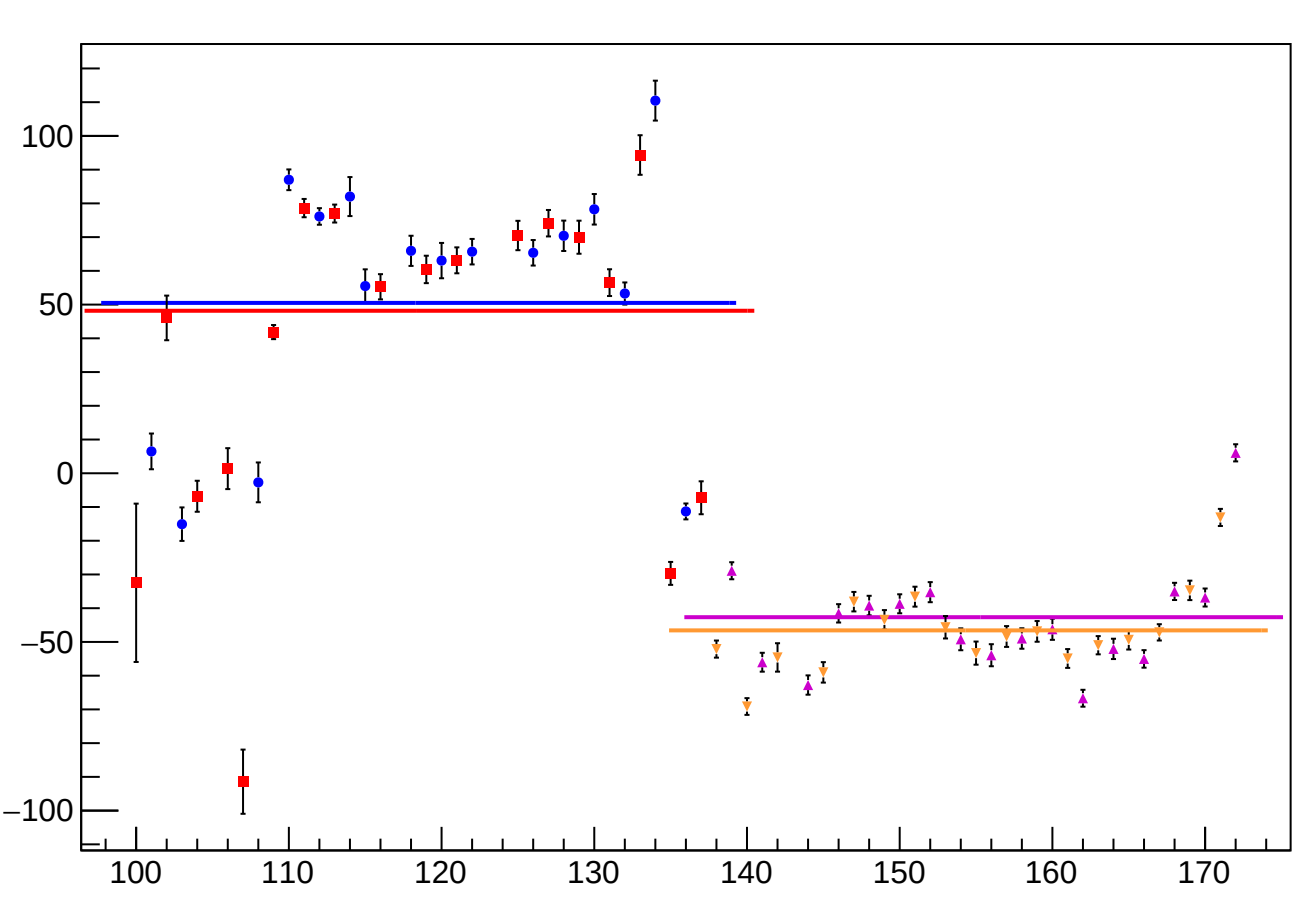
Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

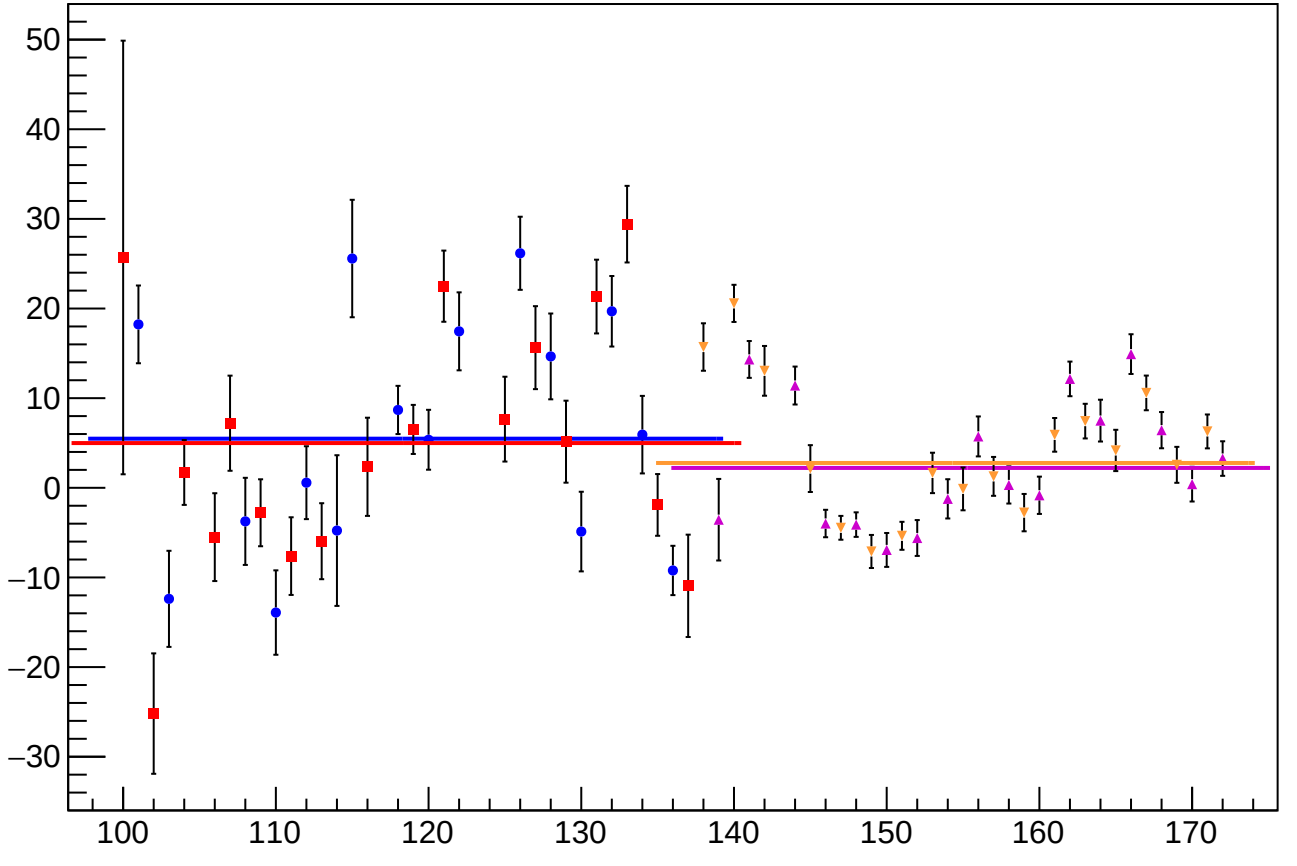
In: -0.360+/-0.380 χ^2/NDF:208.7/32

Out: -1.009+/-0.385 χ^2/NDF:166.1/34

All: -0.680+/-0.270 χ^2/NDF: 376.2/67


reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
Right In: -6.927+/-0.049 χ²/NDF: 265187.0/15
Left Out: -0.421+/-0.019 χ²/NDF:6212.7/16
Right Out: -4.833+/-0.053 χ²/NDF: 339363.3/17
Left In: -0.382+/-0.019 χ²/NDF:5816.5/16
Left: -0.401+/-0.014 χ²/NDF: 12031.3/33
Right: -5.968+/-0.036 χ²/NDF: 605403.2/33
In: -1.247+/-0.018 χ²/NDF:286787.5/32
Out: -0.947+/-0.018 χ²/NDF:351722.8/34
All: -1.102+/-0.013 χ²/NDF: 638649.9/67


reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
100
110
120
130
140
150
160
170
Right In: 50.503+/-0.965 χ²/NDF: 1503.6/15
Left Out: -46.575+/-0.697 χ²/NDF:337.0/16
Right Out: 48.172+/-0.914 χ²/NDF: 1519.5/17
Left In: -42.664+/-0.680 χ²/NDF:638.4/16
Left: -44.569+/-0.487 χ²/NDF: 991.5/33
Right: 49.274+/-0.664 χ²/NDF: 3026.2/33
In: -11.794+/-0.556 χ²/NDF:8370.4/32
Out: -11.743+/-0.554 χ²/NDF:8647.4/34
All: -11.768+/-0.392 χ²/NDF: 17017.8/67



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 2.771+/-0.484 χ^2/NDF:234.9/16

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 2.217+/-0.482 χ^2/NDF:209.5/16

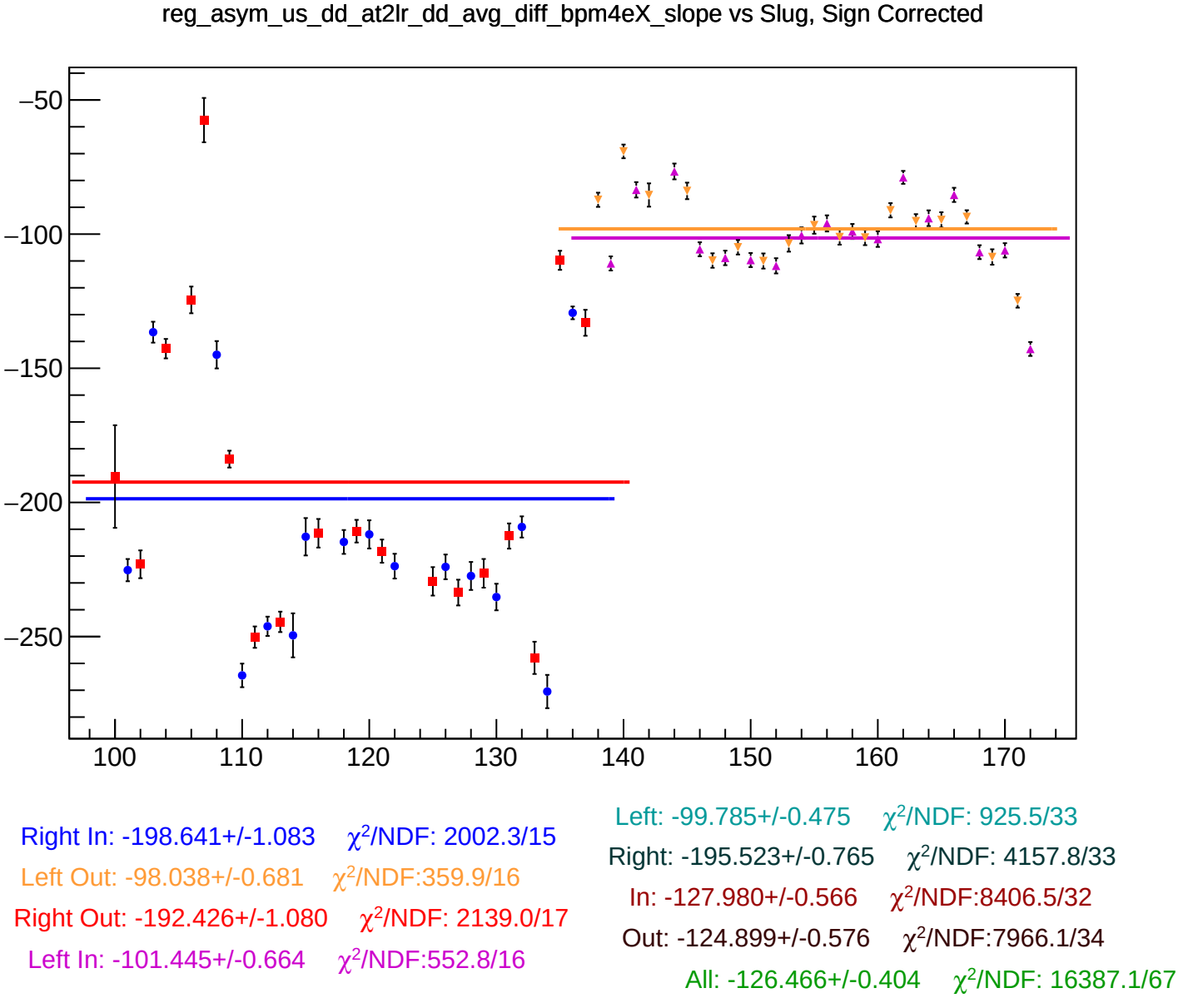
Left: 2.493+/-0.341 χ^2/NDF: 445.1/33

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

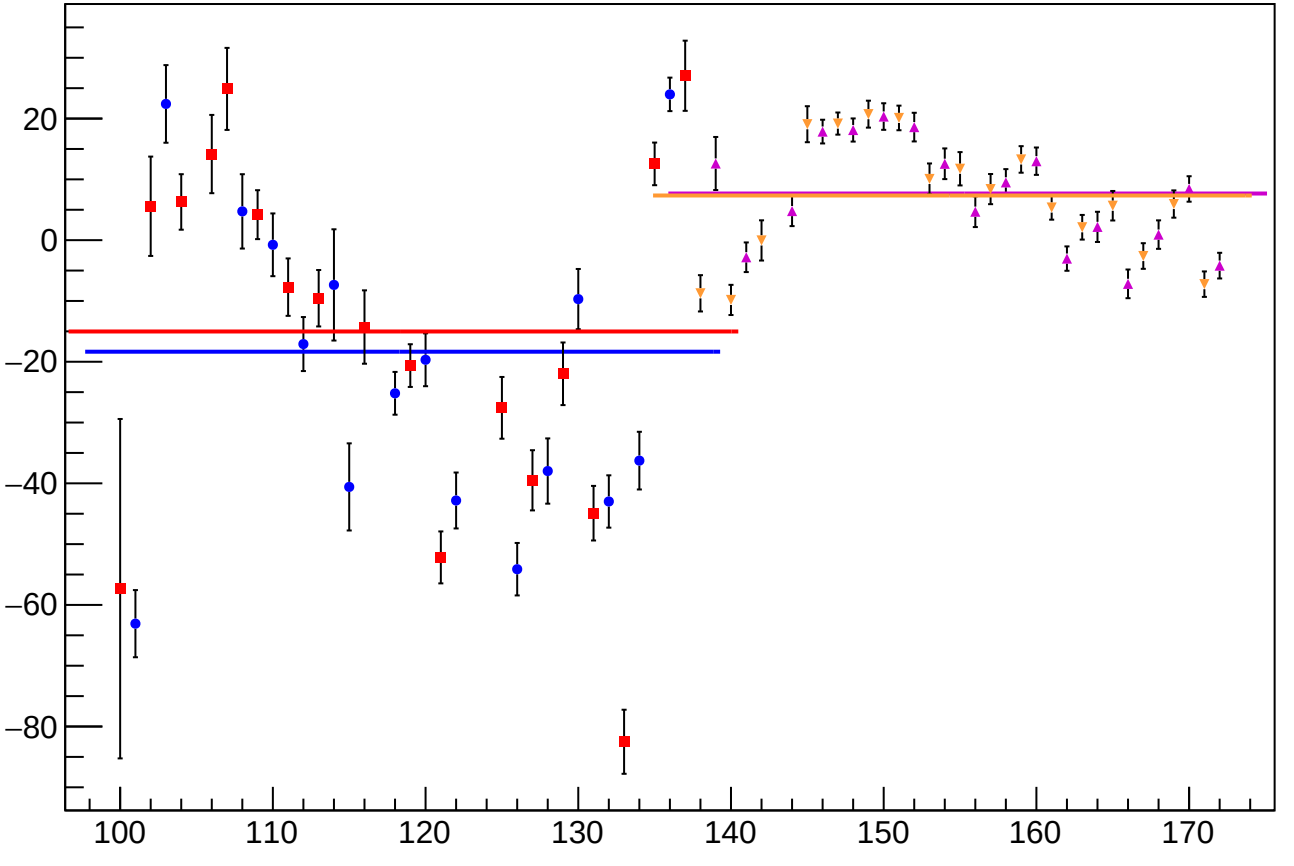
In: 2.811+/-0.436 χ^2/NDF:356.0/32

Out: 3.177+/-0.437 χ^2/NDF:370.6/34

All: 2.993+/-0.309 χ^2/NDF: 727.0/67


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
Right In: -198.641+/-1.083 χ²/NDF: 2002.3/15
Left Out: -98.038+/-0.681 χ²/NDF:359.9/16
Right Out: -192.426+/-1.080 χ²/NDF: 2139.0/17
Left In: -101.445+/-0.664 χ²/NDF:552.8/16
Left: -99.785+/-0.475 χ²/NDF: 925.5/33
Right: -195.523+/-0.765 χ²/NDF: 4157.8/33
In: -127.980+/-0.566 χ²/NDF:8406.5/32
Out: -124.899+/-0.576 χ²/NDF:7966.1/34
All: -126.466+/-0.404 χ²/NDF: 16387.1/67

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -18.348+/-1.159 χ^2/NDF: 543.9/15

Left Out: 7.347+/-0.559 χ^2/NDF:306.5/16

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: 7.511+/-0.393 χ^2/NDF: 564.8/33

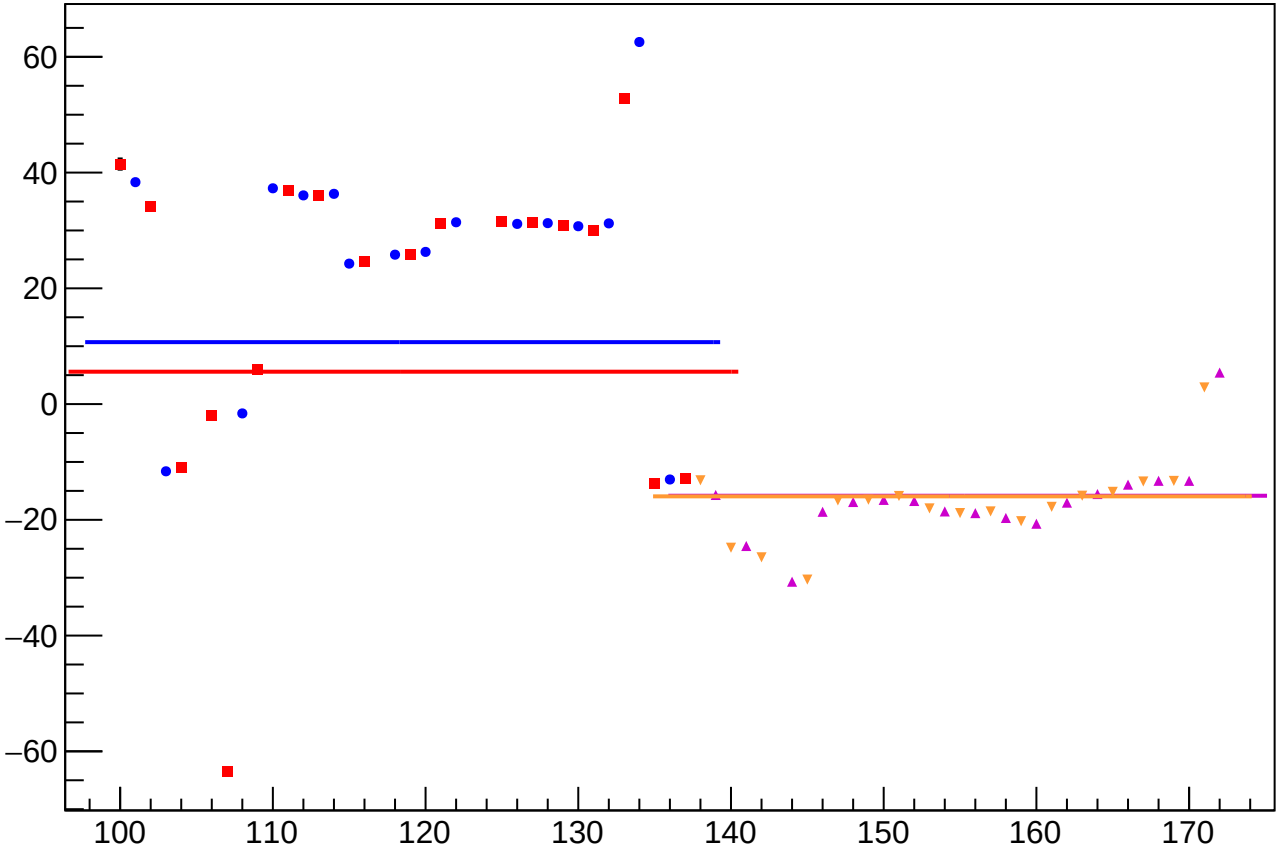
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: 2.835+/-0.500 χ^2/NDF:1212.1/32

Out: 3.144+/-0.504 χ^2/NDF:1154.0/34

All: 2.989+/-0.355 χ^2/NDF: 2366.3/67

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: -15.944+/-0.025 χ^2/NDF:78696.6/16

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -15.838+/-0.025 χ^2/NDF:84004.6/16

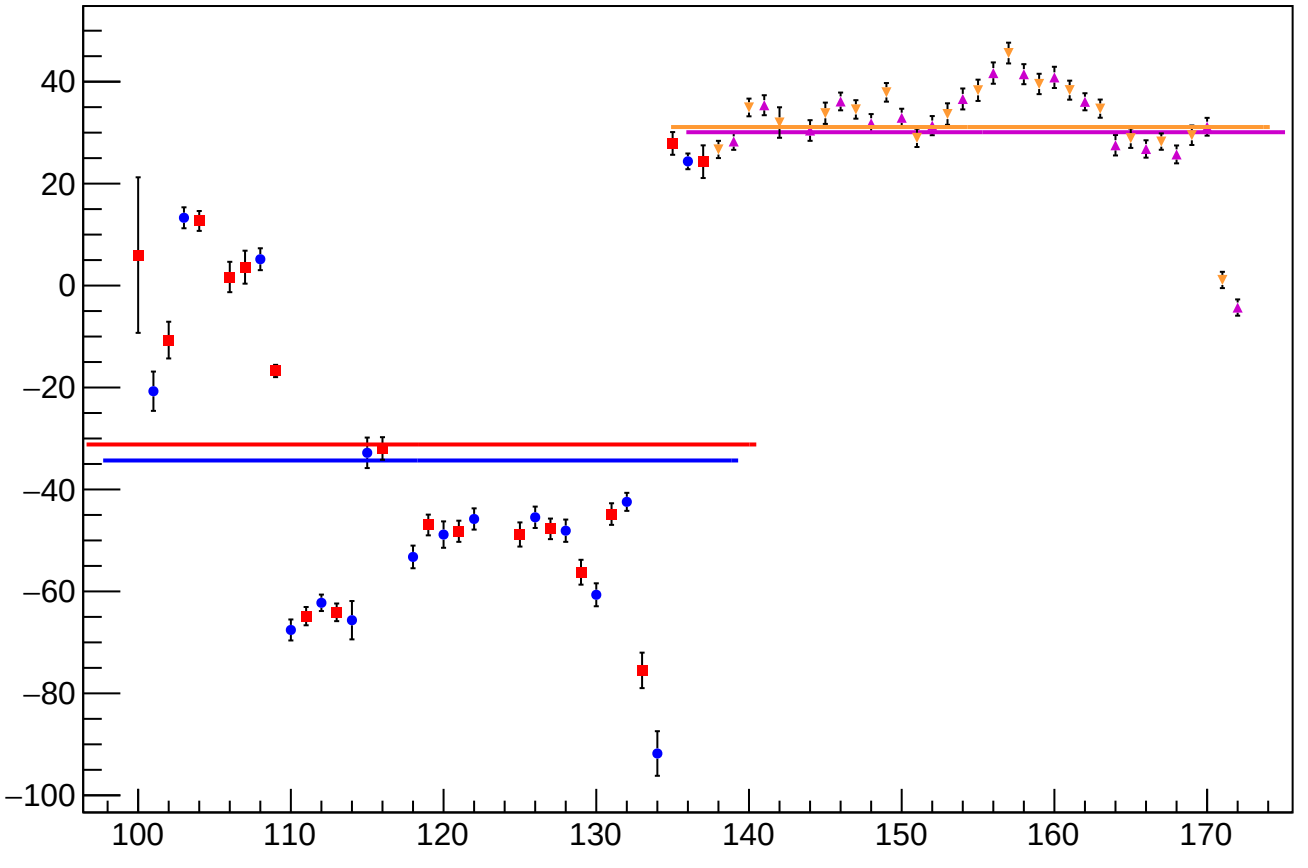
Left: -15.890+/-0.018 χ^2/NDF: 162710.3/33

Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -12.334+/-0.023 χ^2/NDF:403408.3/32

Out: -13.016+/-0.023 χ^2/NDF:332721.0/34

All: -12.667+/-0.016 χ^2/NDF: 736562.9/67



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 31.102+/-0.456 χ^2/NDF:491.9/16

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: 30.581+/-0.318 χ^2/NDF: 1109.2/33

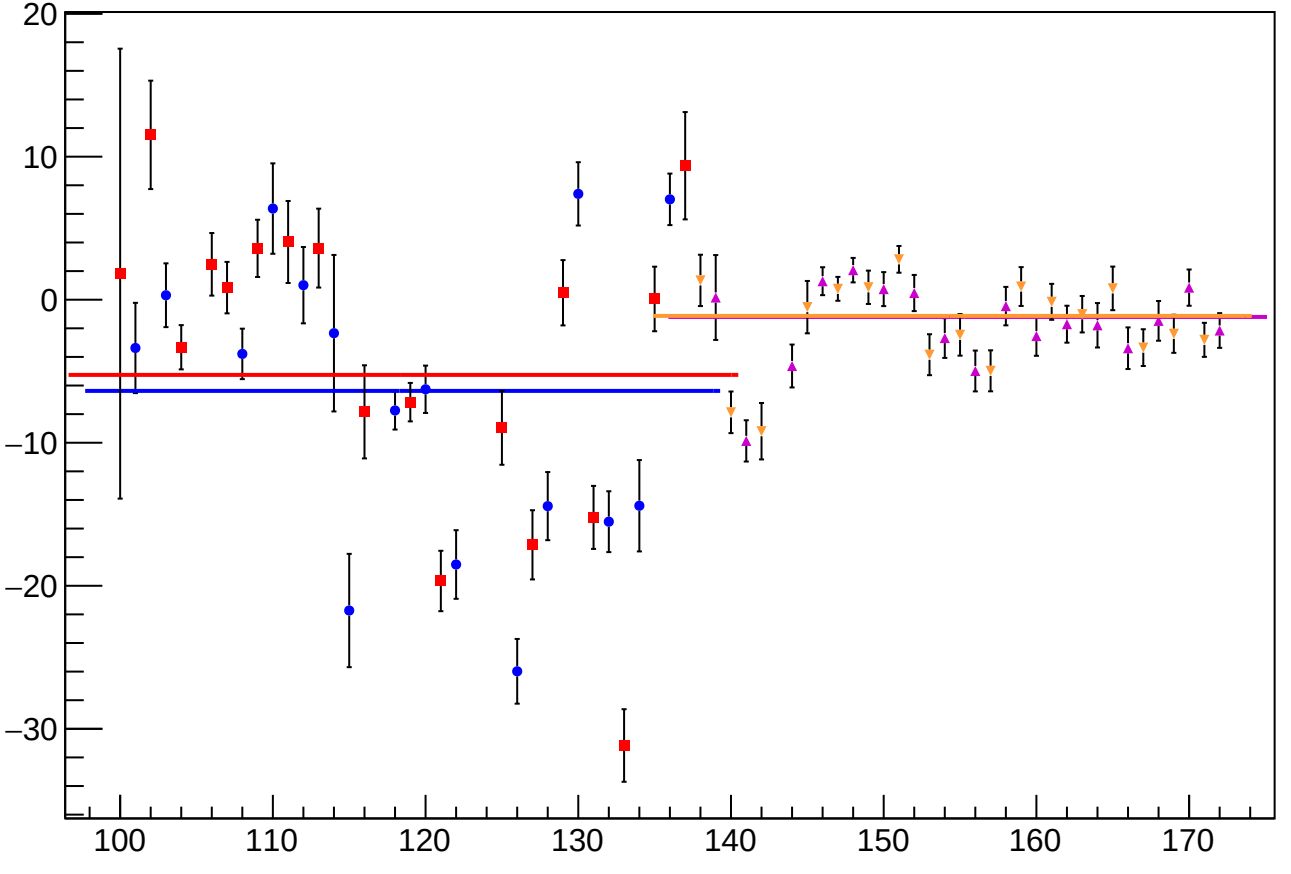
Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: 4.519+/-0.345 χ^2/NDF:12449.8/32

Out: 3.800+/-0.341 χ^2/NDF:11881.3/34

All: 4.156+/-0.243 χ^2/NDF: 24333.3/67

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: -1.132+/-0.313 χ^2/NDF:88.1/16

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: -1.169+/-0.222 χ^2/NDF: 170.5/33

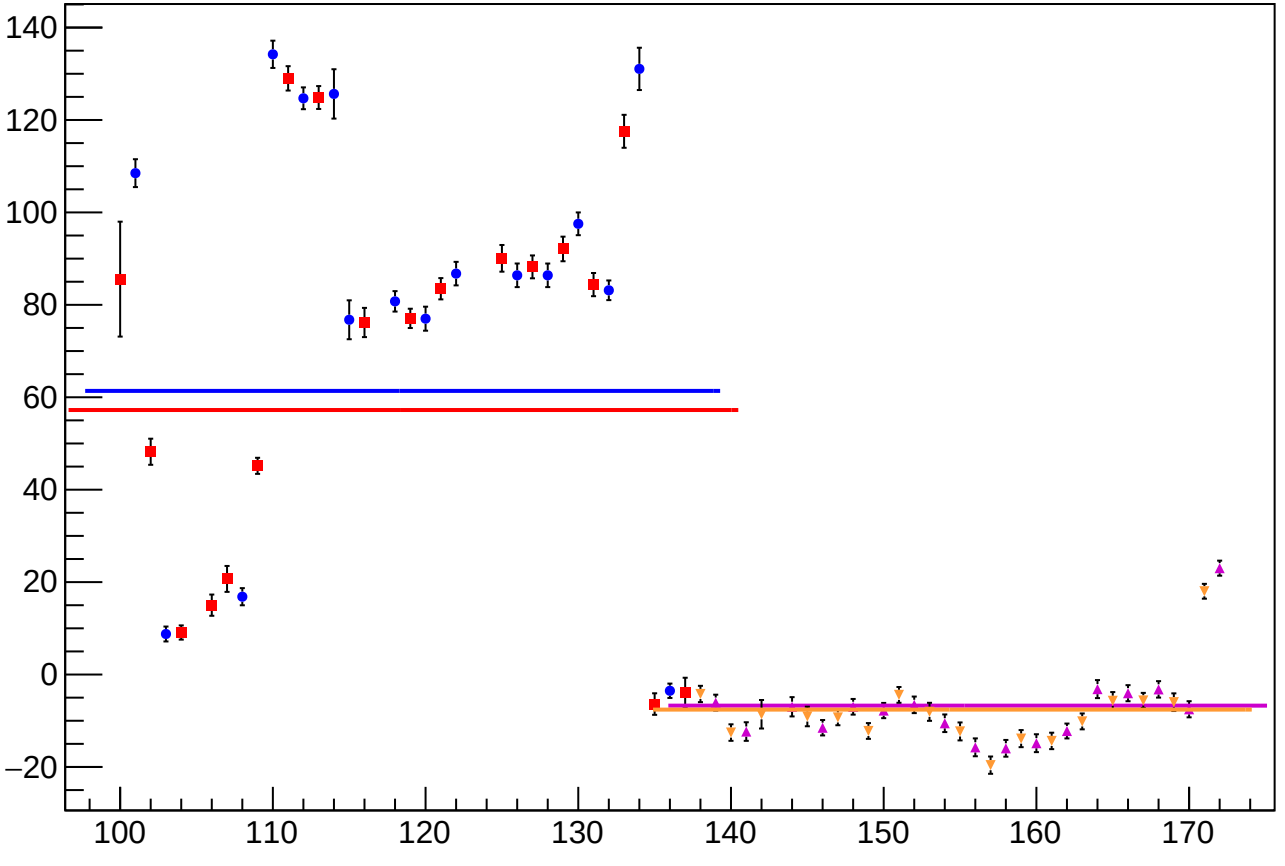
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -2.460+/-0.273 χ^2/NDF:432.0/32

Out: -2.192+/-0.270 χ^2/NDF:445.6/34

All: -2.325+/-0.192 χ^2/NDF: 878.1/67

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: -7.588+/-0.444 χ^2/NDF:357.0/16

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -6.730+/-0.434 χ^2/NDF:441.6/16

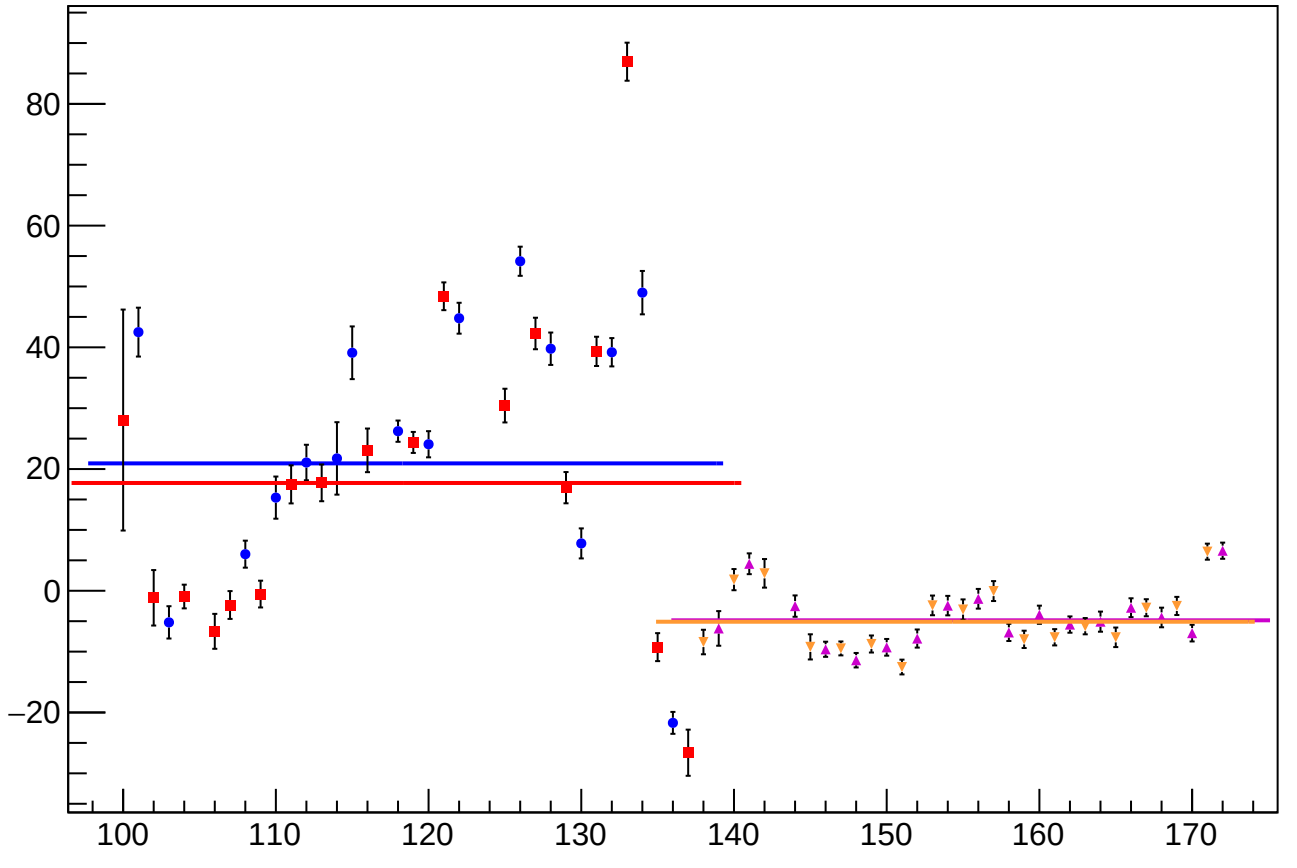
Left: -7.149+/-0.310 χ^2/NDF: 800.6/33

Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

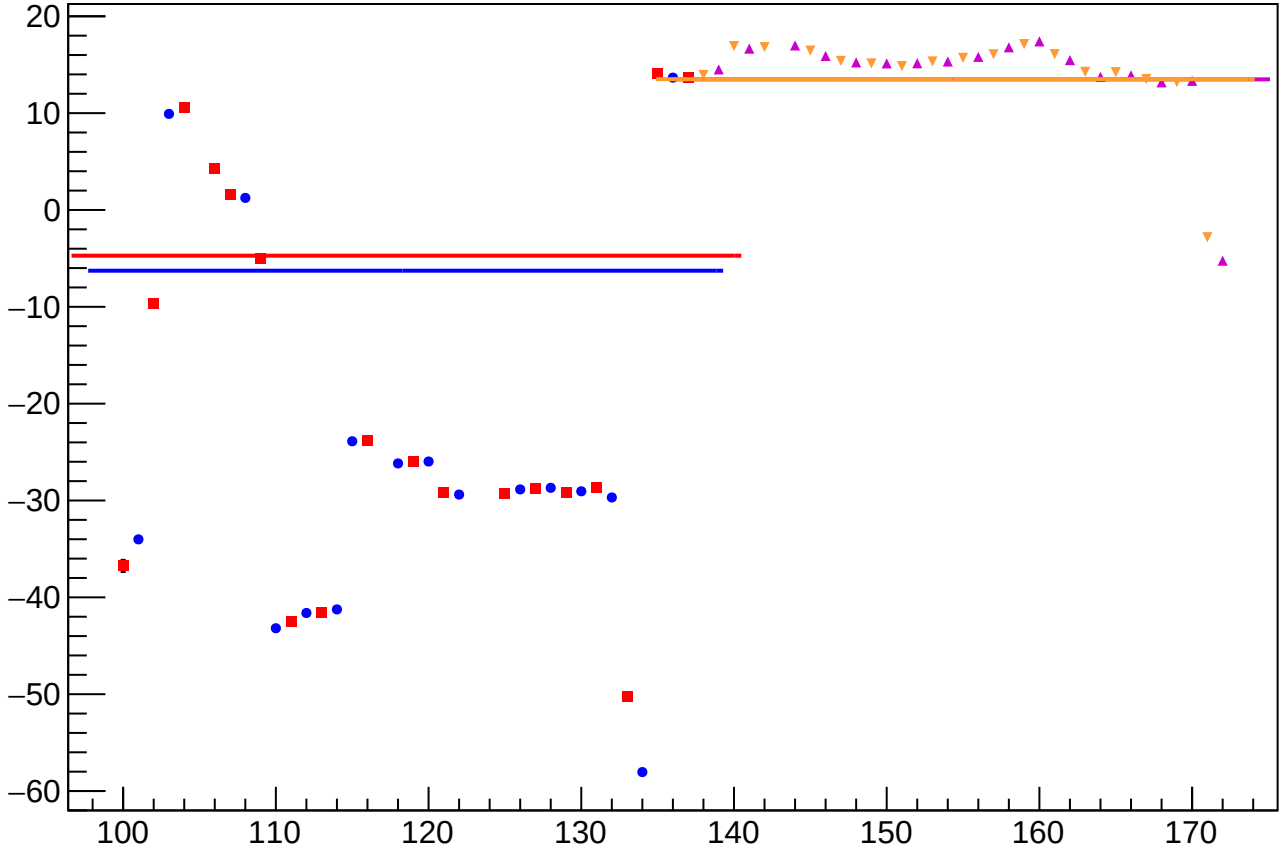
In: 16.926+/-0.350 χ^2/NDF:15079.7/32

Out: 16.361+/-0.353 χ^2/NDF:13497.1/34

All: 16.645+/-0.249 χ^2/NDF: 28578.2/67


reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: 20.931+/-0.640 χ²/NDF: 1245.4/15
Left Out: -5.088+/-0.363 χ²/NDF:199.5/16
Right Out: 17.711+/-0.618 χ²/NDF: 1481.9/17
Left In: -4.855+/-0.361 χ²/NDF:179.0/16
Left: -4.971+/-0.256 χ²/NDF: 378.7/33
Right: 19.265+/-0.445 χ²/NDF: 2740.4/33
In: 1.369+/-0.315 χ²/NDF:2655.3/32
Out: 0.756+/-0.313 χ²/NDF:2693.2/34
All: 1.061+/-0.222 χ²/NDF: 5350.4/67

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: 13.506+/-0.016 χ^2/NDF:106983.7/16

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 13.488+/-0.016 χ^2/NDF:129158.5/16

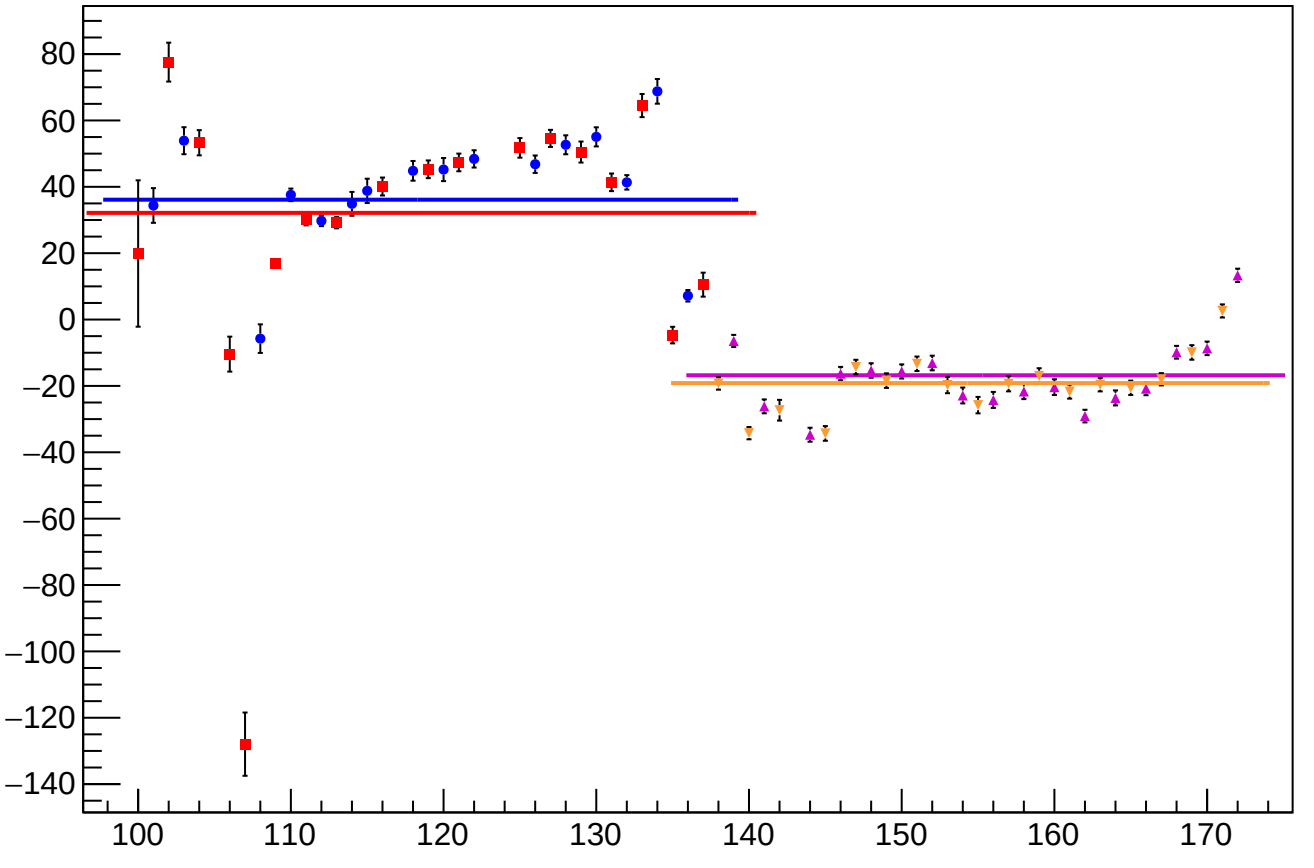
Left: 13.497+/-0.011 χ^2/NDF: 236142.8/33

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: 9.805+/-0.014 χ^2/NDF:824088.3/32

Out: 10.009+/-0.015 χ^2/NDF:650179.7/34

All: 9.905+/-0.010 χ^2/NDF: 1474365.1/67



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -19.142+/-0.524 χ^2/NDF:281.2/16

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: -17.939+/-0.366 χ^2/NDF: 750.9/33

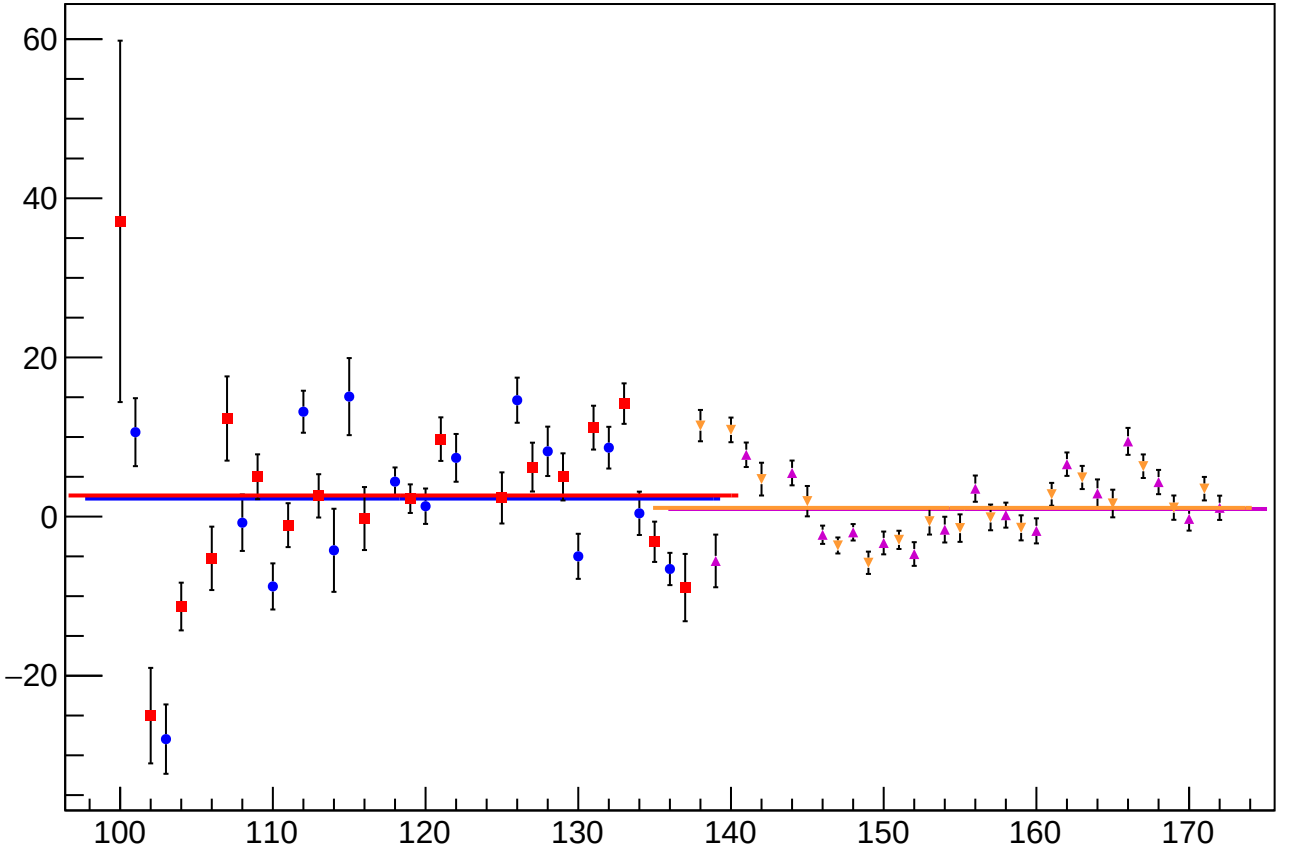
Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: 3.197+/-0.403 χ^2/NDF:5124.6/32

Out: 1.789+/-0.403 χ^2/NDF:5311.7/34

All: 2.492+/-0.285 χ^2/NDF: 10442.4/67

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: 1.093+/-0.364 χ^2/NDF:159.3/16

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 0.955+/-0.363 χ^2/NDF:126.2/16

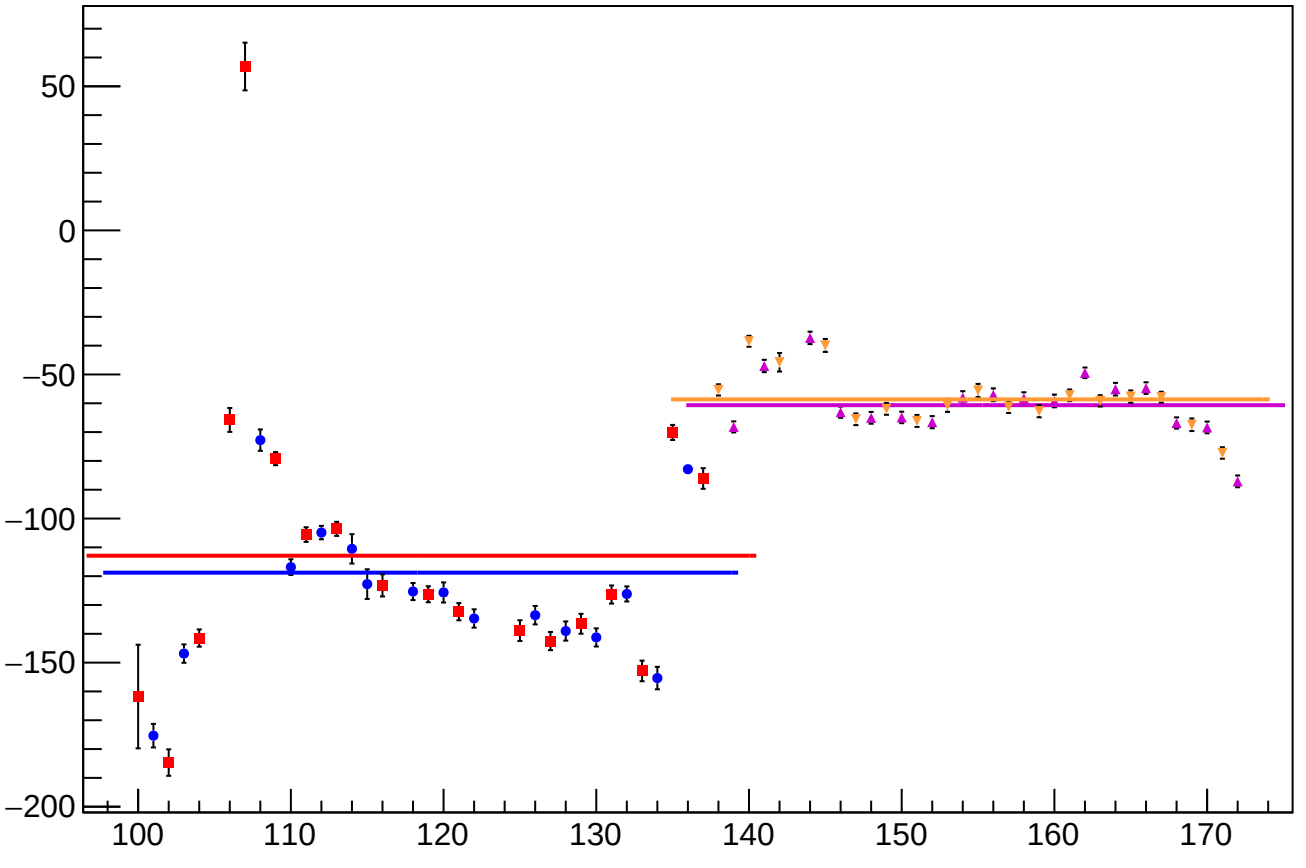
Left: 1.024+/-0.257 χ^2/NDF: 285.6/33

Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 1.232+/-0.323 χ^2/NDF:281.0/32

Out: 1.413+/-0.324 χ^2/NDF:270.3/34

All: 1.322+/-0.229 χ^2/NDF: 551.5/67



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -58.648+/-0.511 χ^2/NDF:339.2/16

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: -59.677+/-0.357 χ^2/NDF: 786.8/33

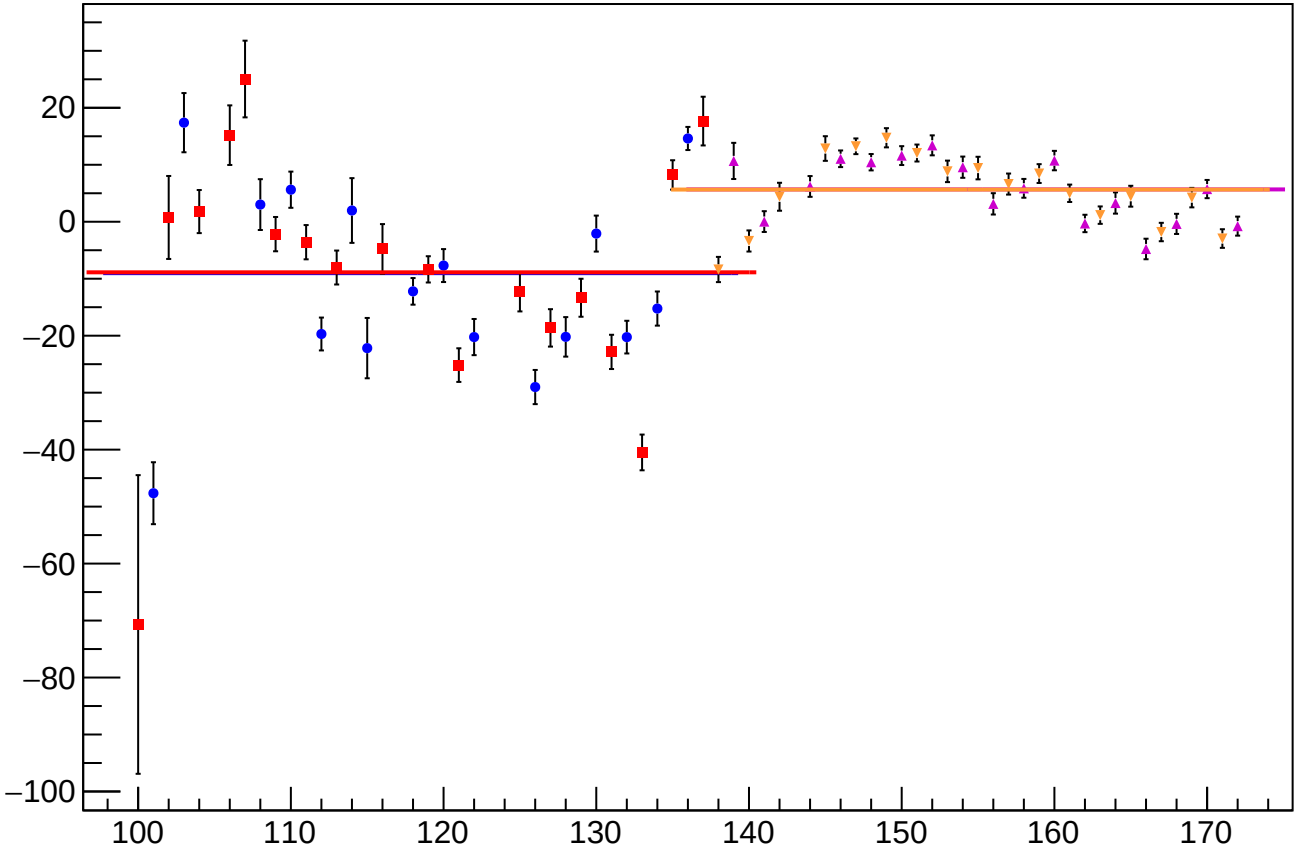
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -78.305+/-0.417 χ^2/NDF:5665.9/32

Out: -75.529+/-0.424 χ^2/NDF:5703.2/34

All: -76.942+/-0.297 χ^2/NDF: 11390.9/67

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: 5.649+/-0.420 χ^2/NDF:221.8/16

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 5.674+/-0.418 χ^2/NDF:161.3/16

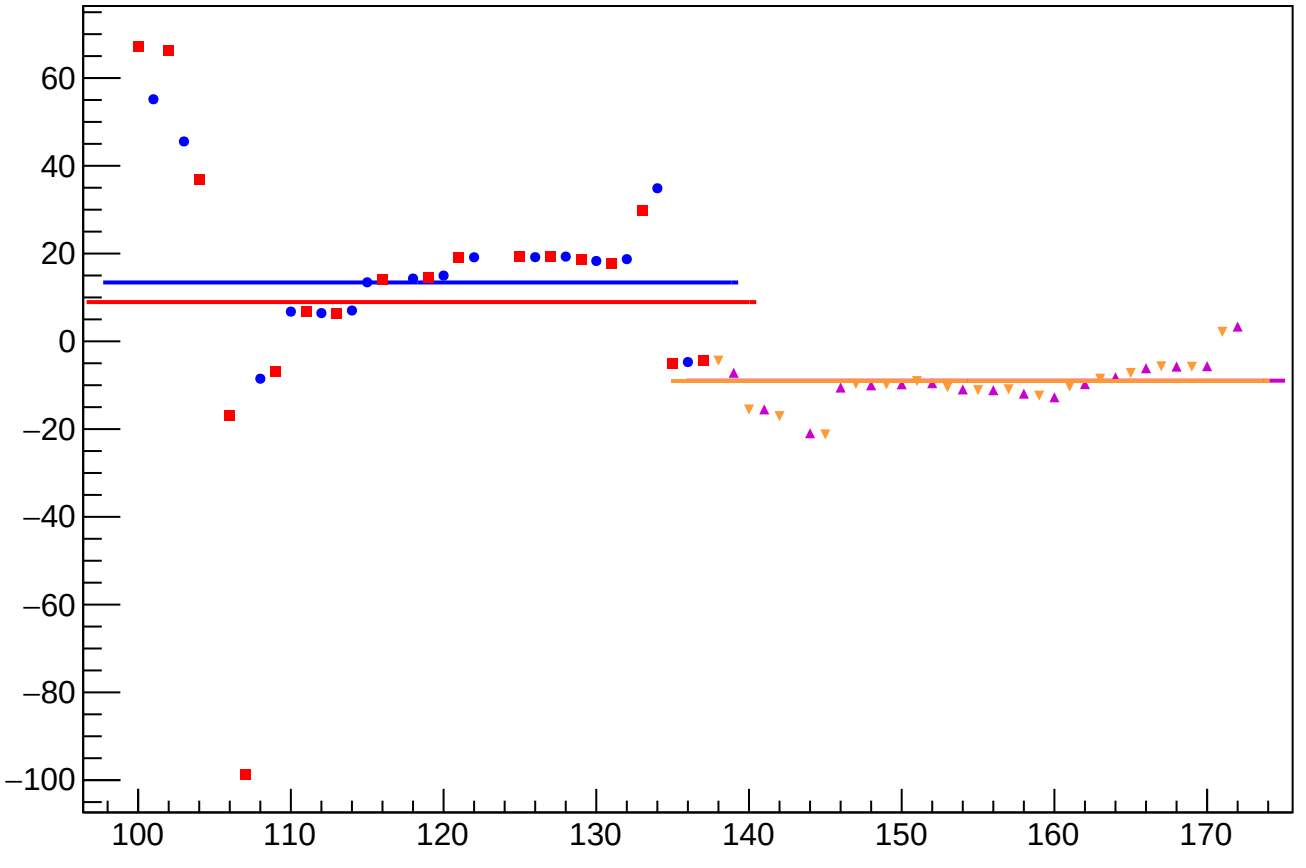
Left: 5.662+/-0.296 χ^2/NDF: 383.1/33

Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: 2.495+/-0.370 χ^2/NDF:786.6/32

Out: 2.568+/-0.373 χ^2/NDF:793.7/34

All: 2.531+/-0.263 χ^2/NDF: 1580.4/67



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -9.049+/-0.019 χ^2/NDF:69339.6/16

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -8.969+/-0.018 χ^2/NDF:64857.7/16

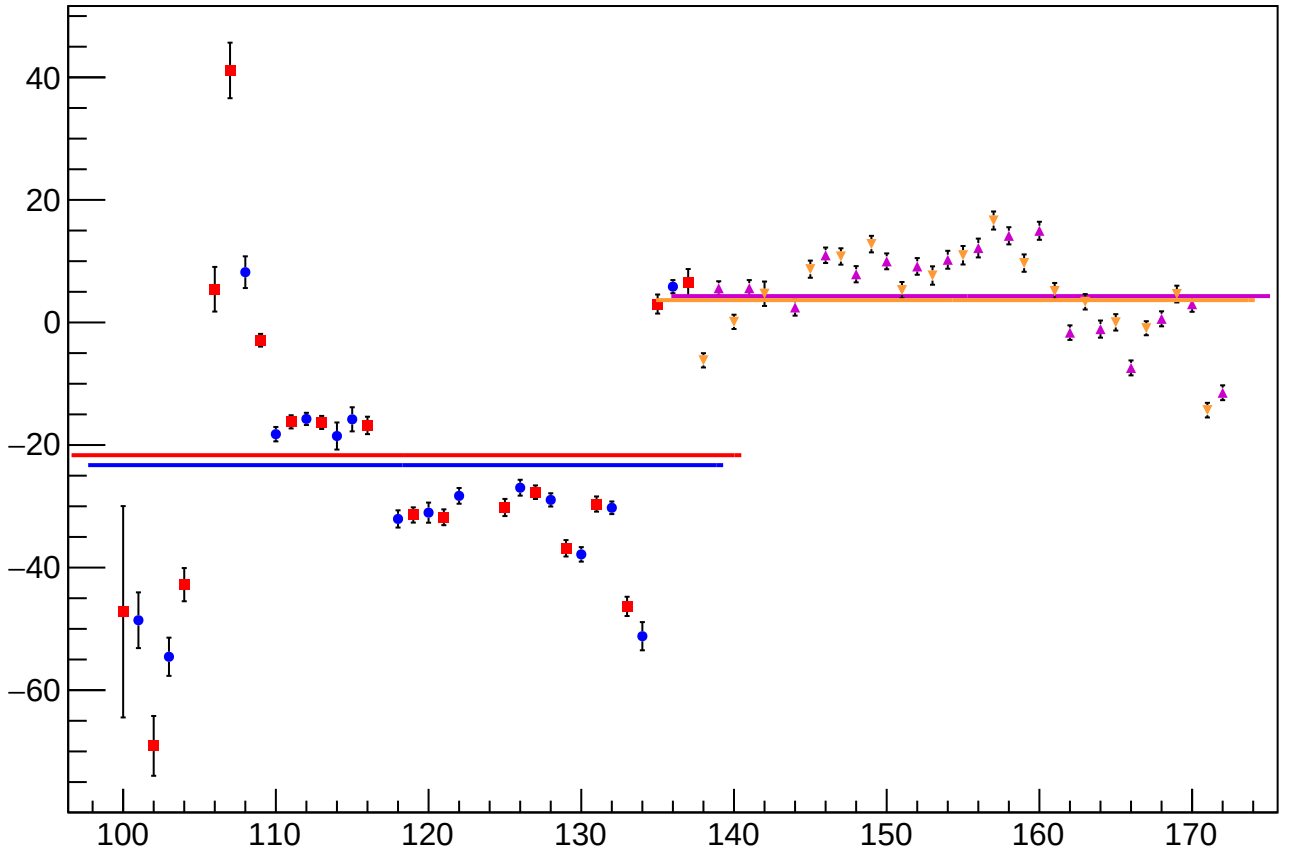
Left: -9.008+/-0.013 χ^2/NDF: 134206.6/33

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -5.777+/-0.017 χ^2/NDF:458016.5/32

Out: -6.569+/-0.018 χ^2/NDF:484690.4/34

All: -6.162+/-0.012 χ^2/NDF: 943747.5/67



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 3.647+/-0.324 χ^2/NDF:547.2/16

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 4.302+/-0.317 χ^2/NDF:527.5/16

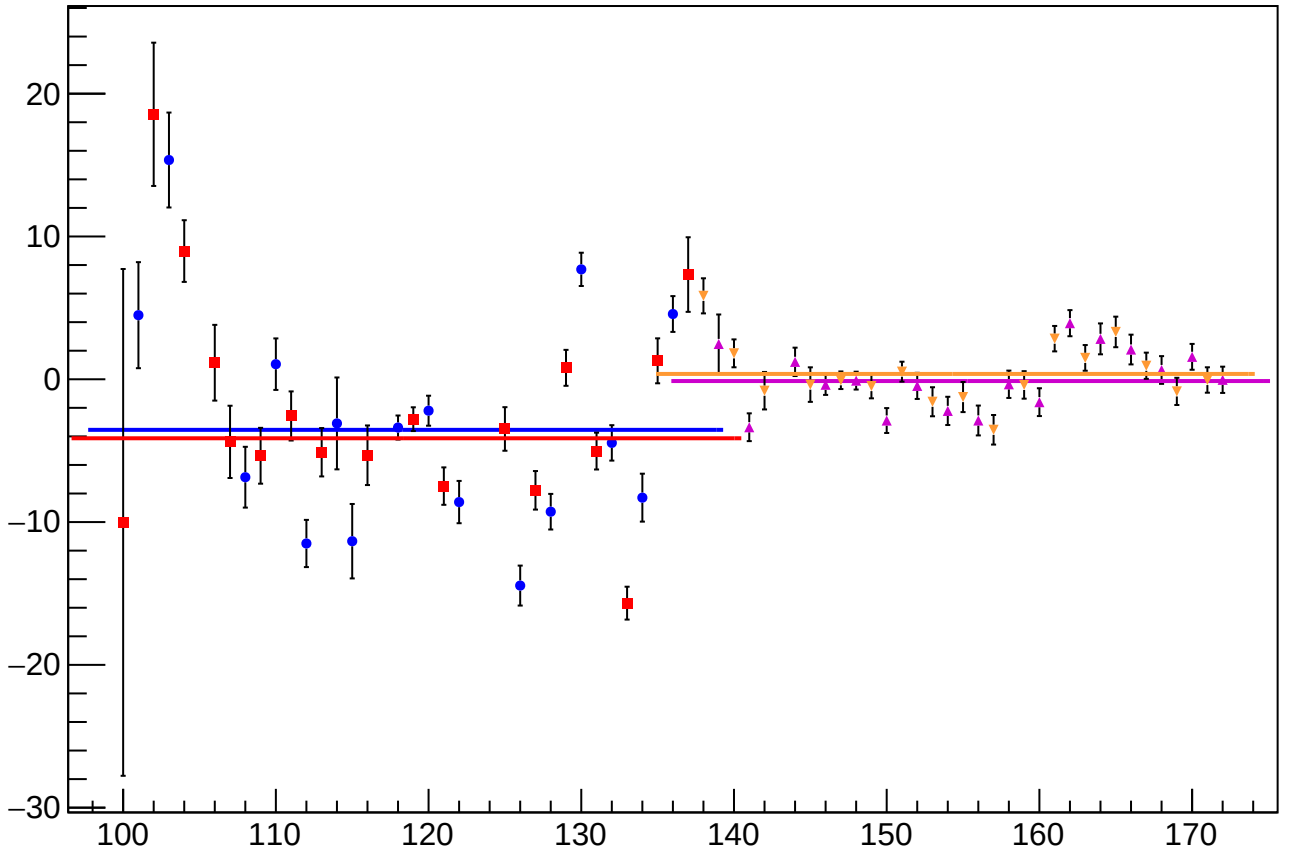
Left: 3.982+/-0.227 χ^2/NDF: 1076.8/33

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -8.099+/-0.235 χ^2/NDF:5506.2/32

Out: -8.138+/-0.237 χ^2/NDF:5197.4/34

All: -8.118+/-0.167 χ^2/NDF: 10703.6/67



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.374+/-0.225 χ^2/NDF:64.7/16

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: -0.124+/-0.224 χ^2/NDF:74.3/16

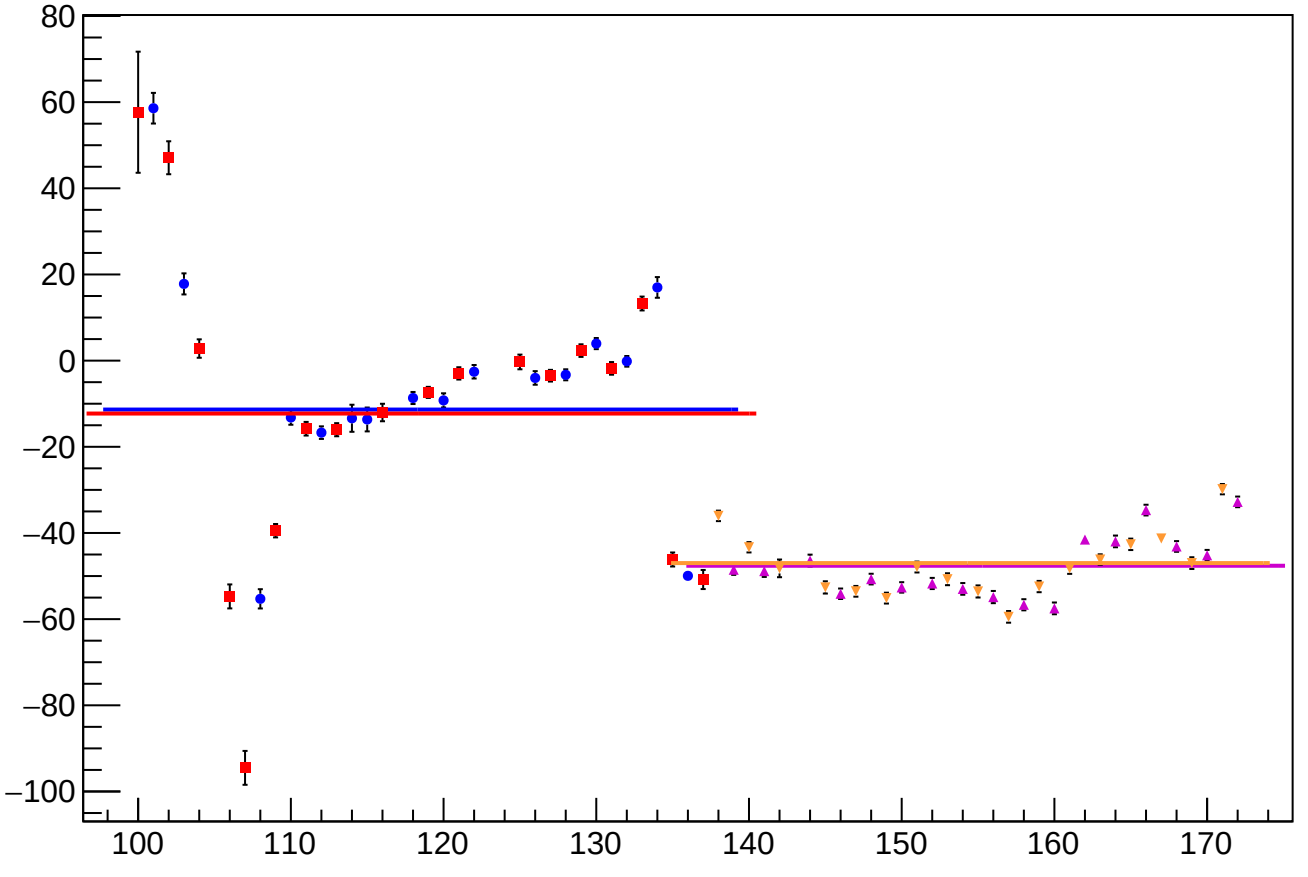
Left: 0.125+/-0.159 χ^2/NDF: 141.5/33

Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -1.070+/-0.191 χ^2/NDF:455.3/32

Out: -0.836+/-0.192 χ^2/NDF:400.3/34

All: -0.954+/-0.135 χ^2/NDF: 856.3/67



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -46.988+/-0.317 χ^2/NDF:547.8/16

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -47.609+/-0.309 χ^2/NDF:522.4/16

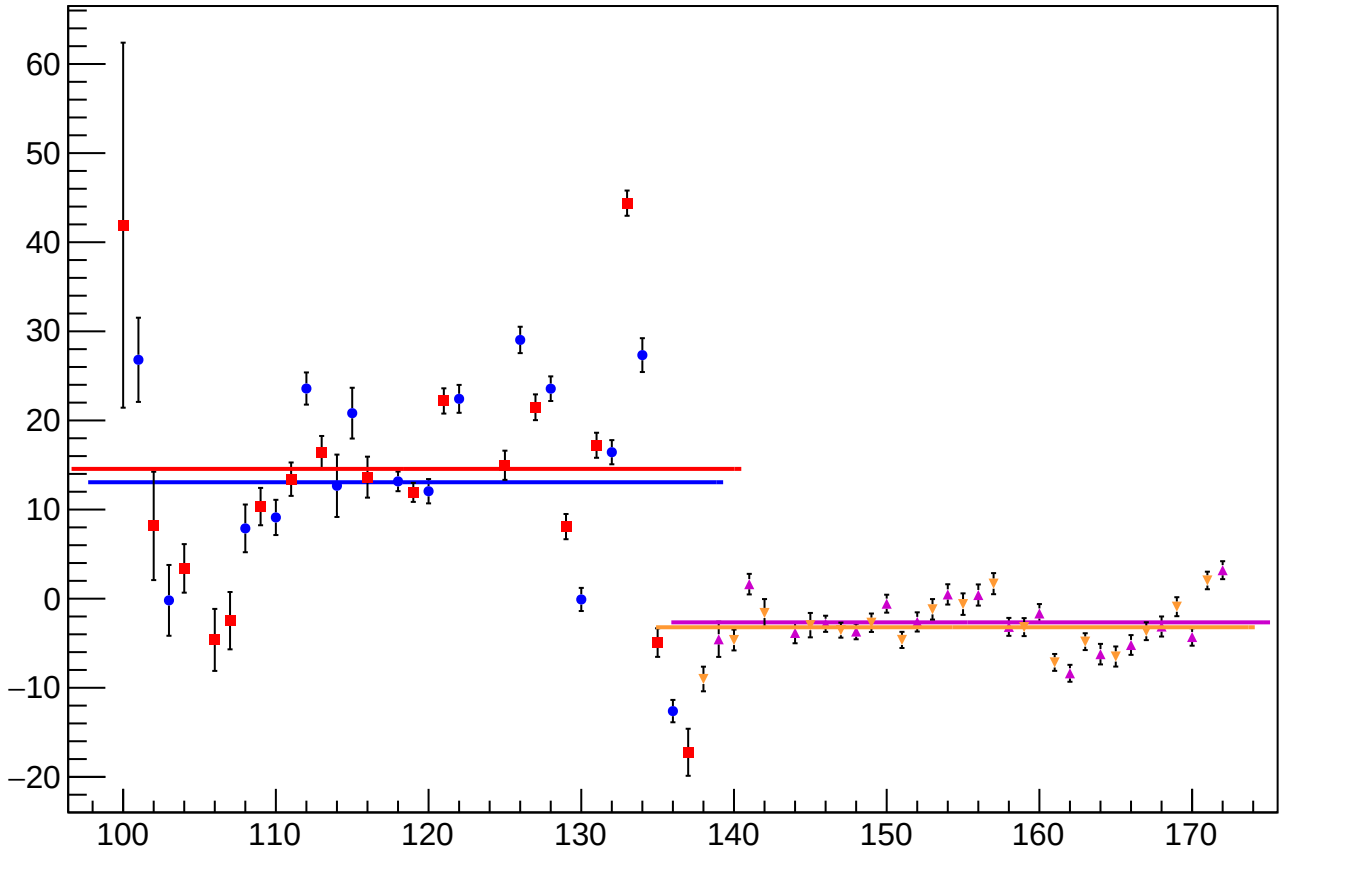
Left: -47.306+/-0.221 χ^2/NDF: 1072.2/33

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -34.286+/-0.246 χ^2/NDF:8235.6/32

Out: -34.150+/-0.251 χ^2/NDF:7584.9/34

All: -34.219+/-0.176 χ^2/NDF: 15820.6/67



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -3.208+/-0.260 χ^2/NDF:109.9/16

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.658+/-0.258 χ^2/NDF:124.8/16

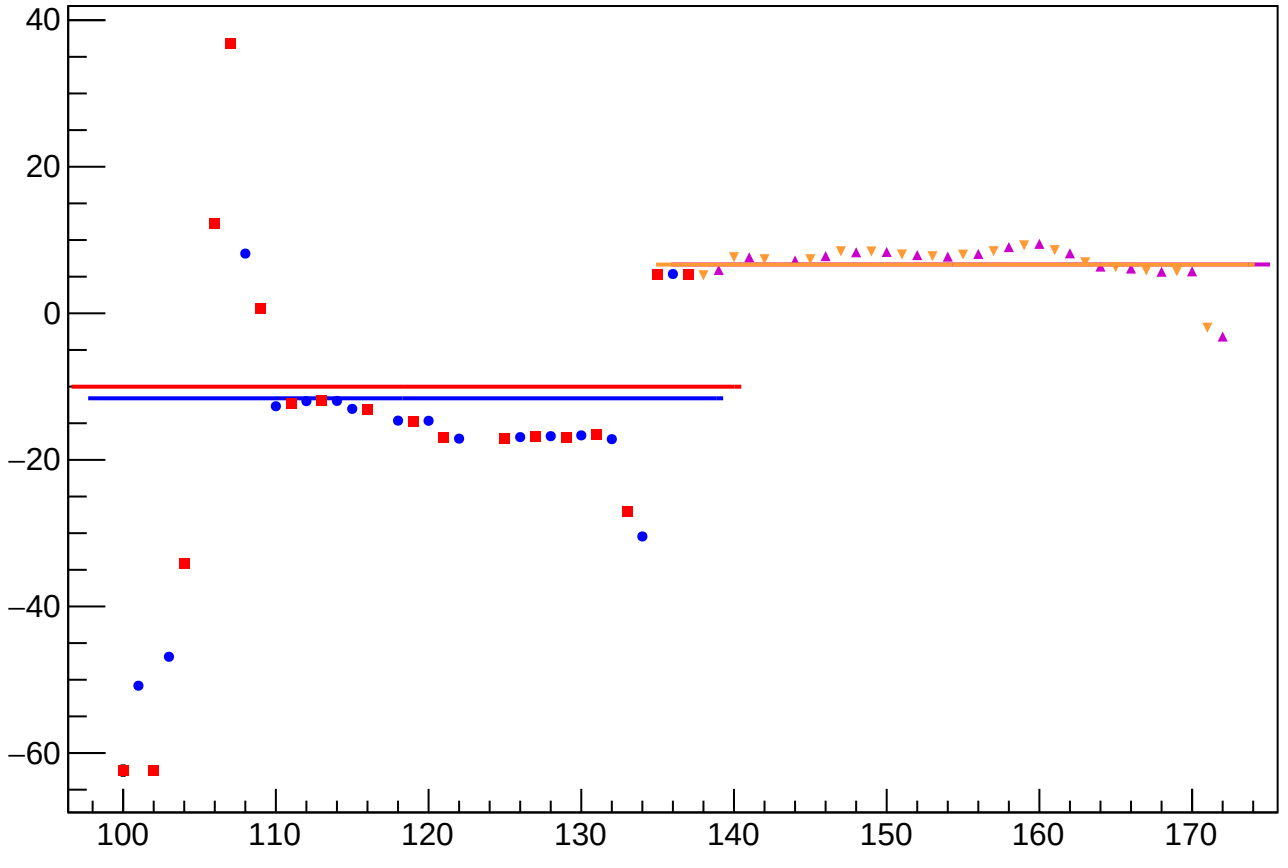
Left: -2.931+/-0.183 χ^2/NDF: 236.9/33

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 1.735+/-0.219 χ^2/NDF:2024.1/32

Out: 1.665+/-0.221 χ^2/NDF:2297.0/34

All: 1.700+/-0.156 χ^2/NDF: 4321.2/67



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 6.653+/-0.012 χ^2/NDF:59762.3/16

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: 6.660+/-0.008 χ^2/NDF: 128386.9/33

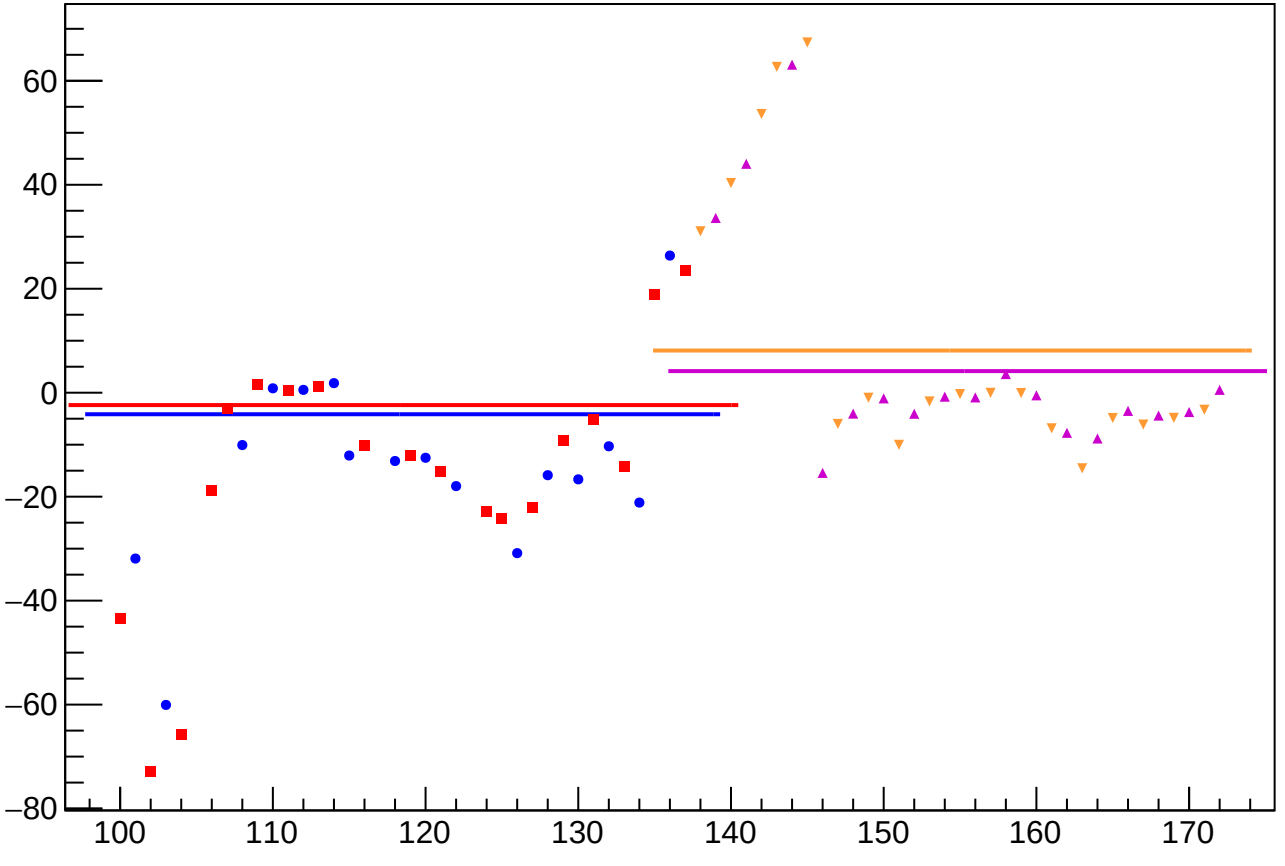
Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 3.768+/-0.010 χ^2/NDF:834472.1/32

Out: 4.080+/-0.011 χ^2/NDF:767824.5/34

All: 3.919+/-0.008 χ^2/NDF: 1602728.3/67

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 8.114+/-0.058 χ^2/NDF:154827.1/17

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: 5.886+/-0.038 χ^2/NDF: 279331.6/34

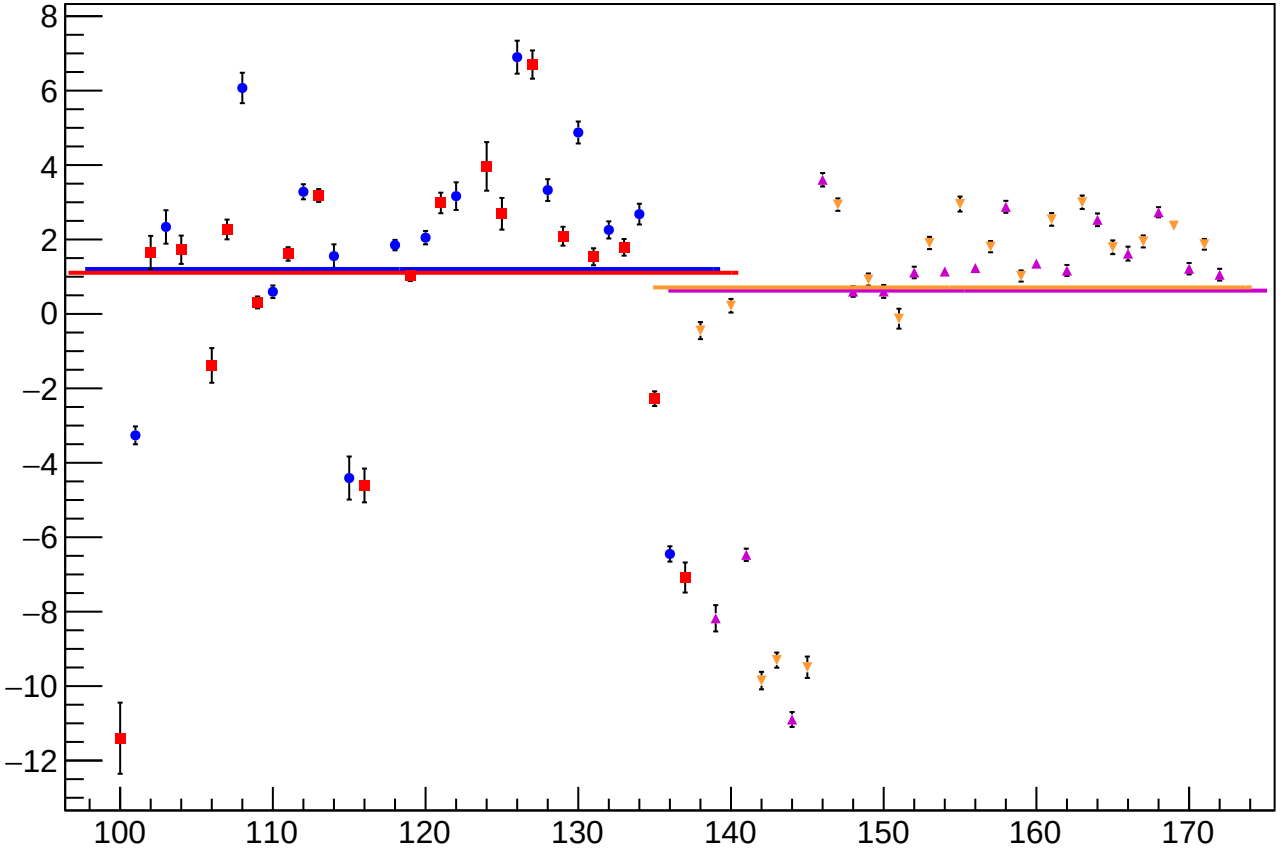
Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 0.310+/-0.037 χ^2/NDF:209480.0/32

Out: 1.716+/-0.036 χ^2/NDF:255783.1/36

All: 1.036+/-0.026 χ^2/NDF: 466000.1/69

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: 0.712+/-0.042 χ^2/NDF:6736.1/17

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: 0.626+/-0.037 χ^2/NDF:6726.7/16

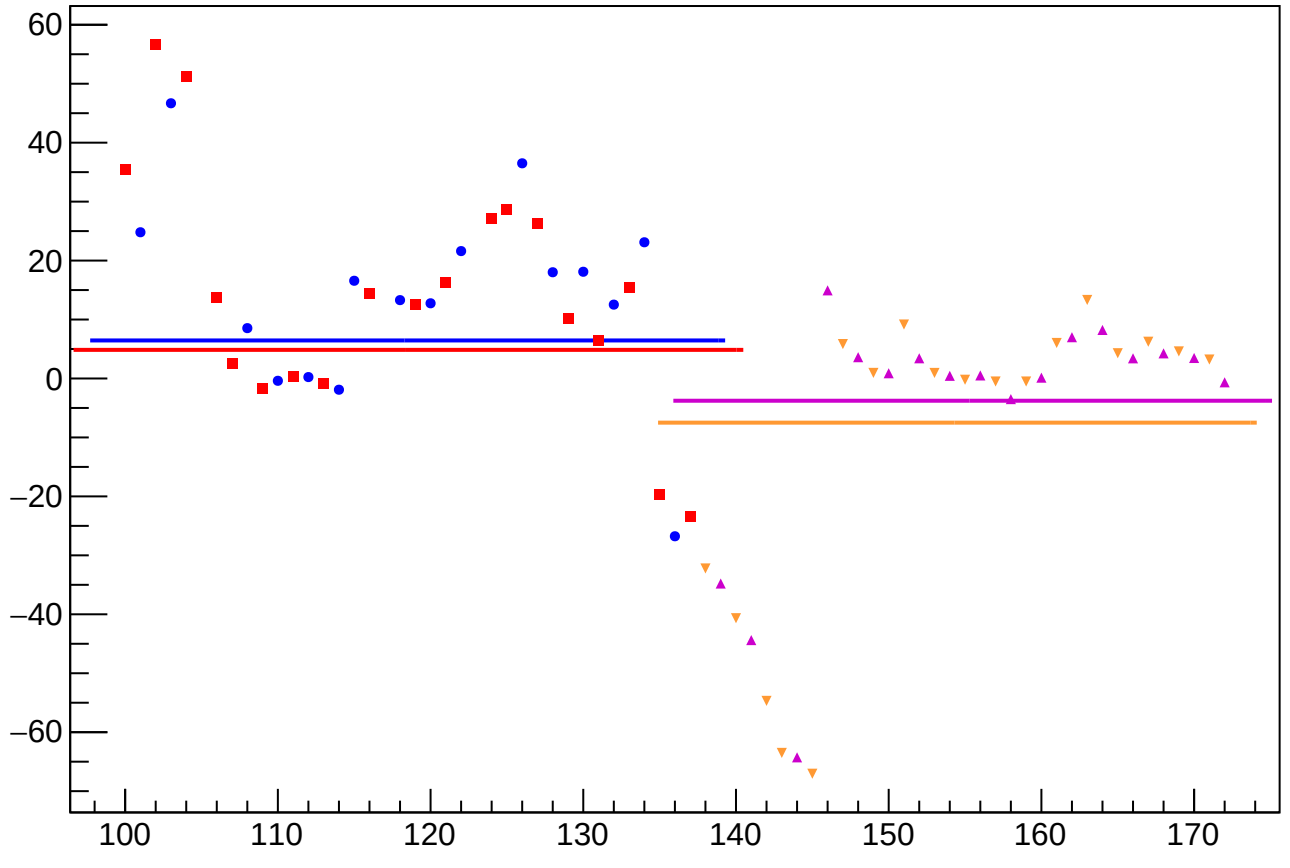
Left: 0.664+/-0.028 χ^2/NDF: 13465.1/34

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.782+/-0.031 χ^2/NDF:9378.4/32

Out: 0.849+/-0.034 χ^2/NDF:8354.1/36

All: 0.813+/-0.023 χ^2/NDF: 17734.6/69



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -7.491+/-0.056 χ^2/NDF:150619.4/17

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -3.774+/-0.049 χ^2/NDF:119353.6/16

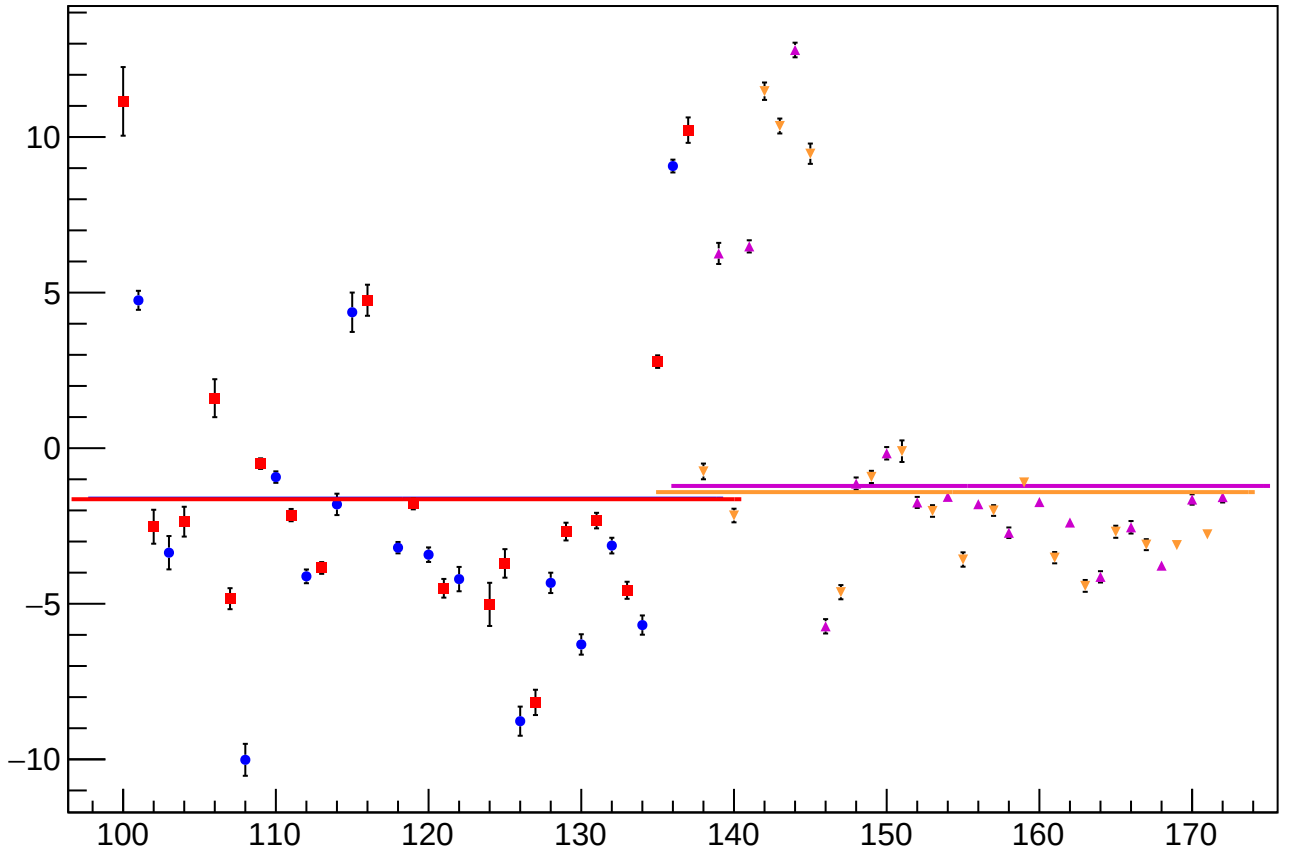
Left: -5.379+/-0.037 χ^2/NDF: 272435.8/34

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -0.064+/-0.039 χ^2/NDF:205698.2/32

Out: -1.606+/-0.041 χ^2/NDF:248675.1/36

All: -0.805+/-0.028 χ^2/NDF: 455113.5/69



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.412+/-0.047 χ^2/NDF:6708.8/17

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: -1.300+/-0.031 χ^2/NDF: 13455.4/34

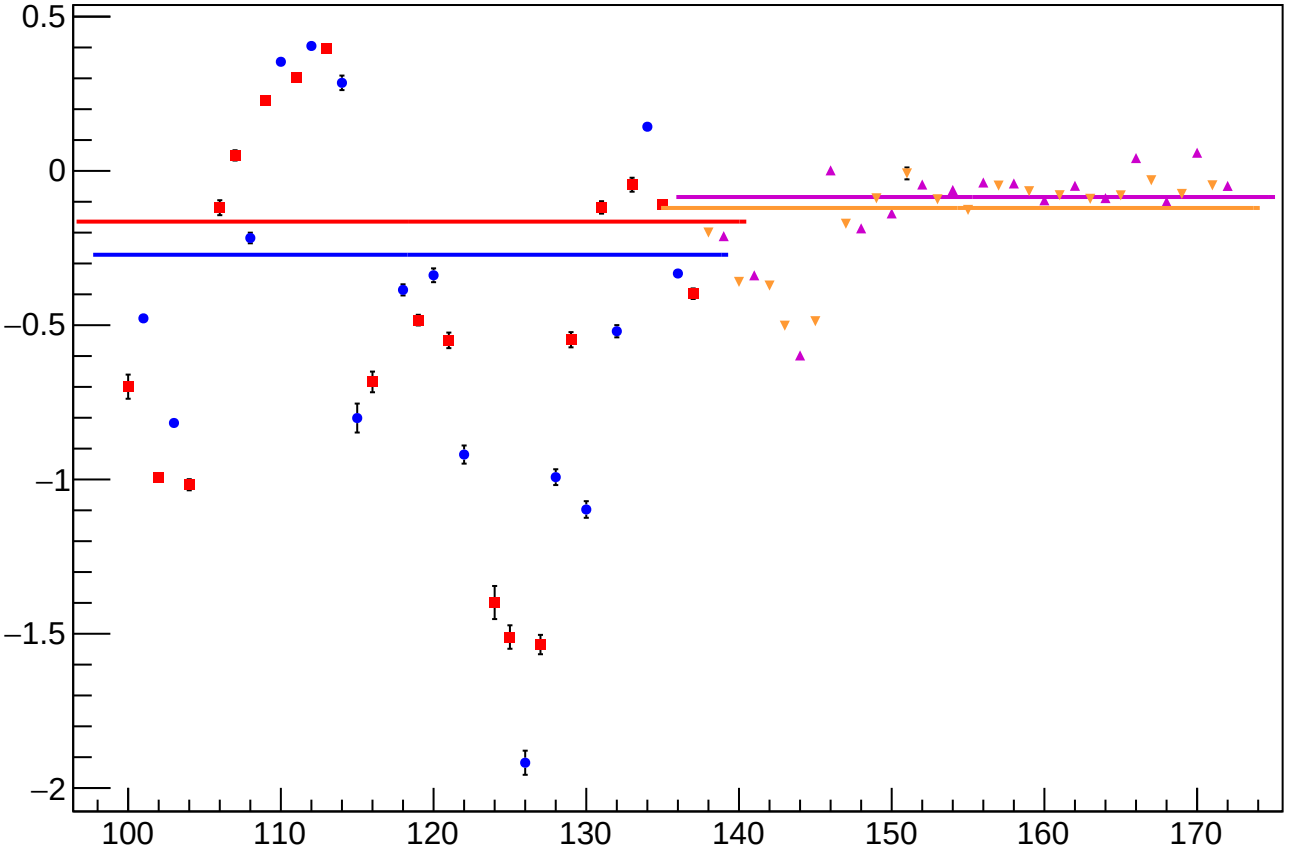
Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -1.320+/-0.036 χ^2/NDF:11287.4/32

Out: -1.491+/-0.038 χ^2/NDF:9179.1/36

All: -1.400+/-0.026 χ^2/NDF: 20477.2/69

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.120+/-0.002 χ^2/NDF:3337.7/17

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.085+/-0.002 χ^2/NDF:3682.9/16

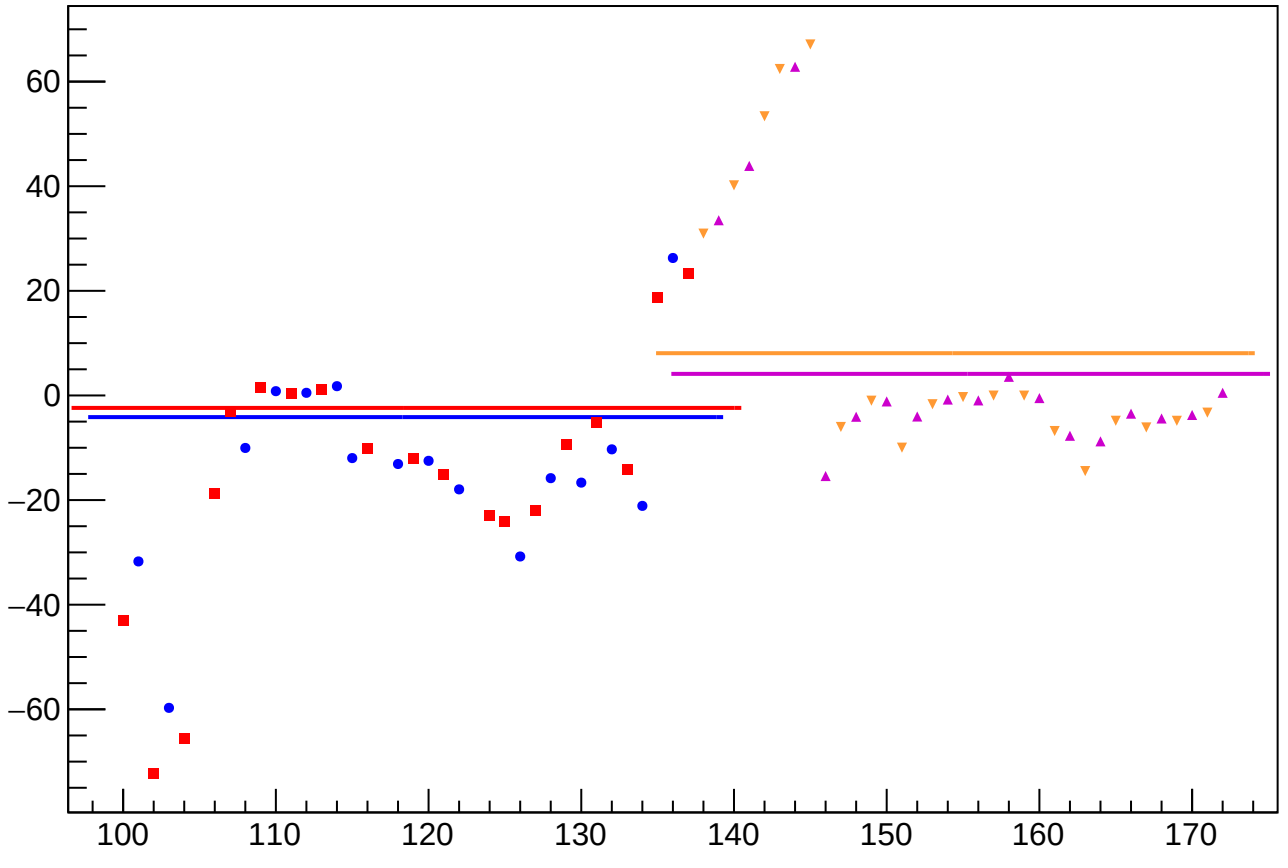
Left: -0.100+/-0.001 χ^2/NDF: 7192.5/34

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.113+/-0.002 χ^2/NDF:17452.4/32

Out: -0.130+/-0.002 χ^2/NDF:18939.6/36

All: -0.121+/-0.001 χ^2/NDF: 36442.0/69



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 8.078+/-0.057 χ^2/NDF:154571.9/17

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 4.125+/-0.051 χ^2/NDF:121739.7/16

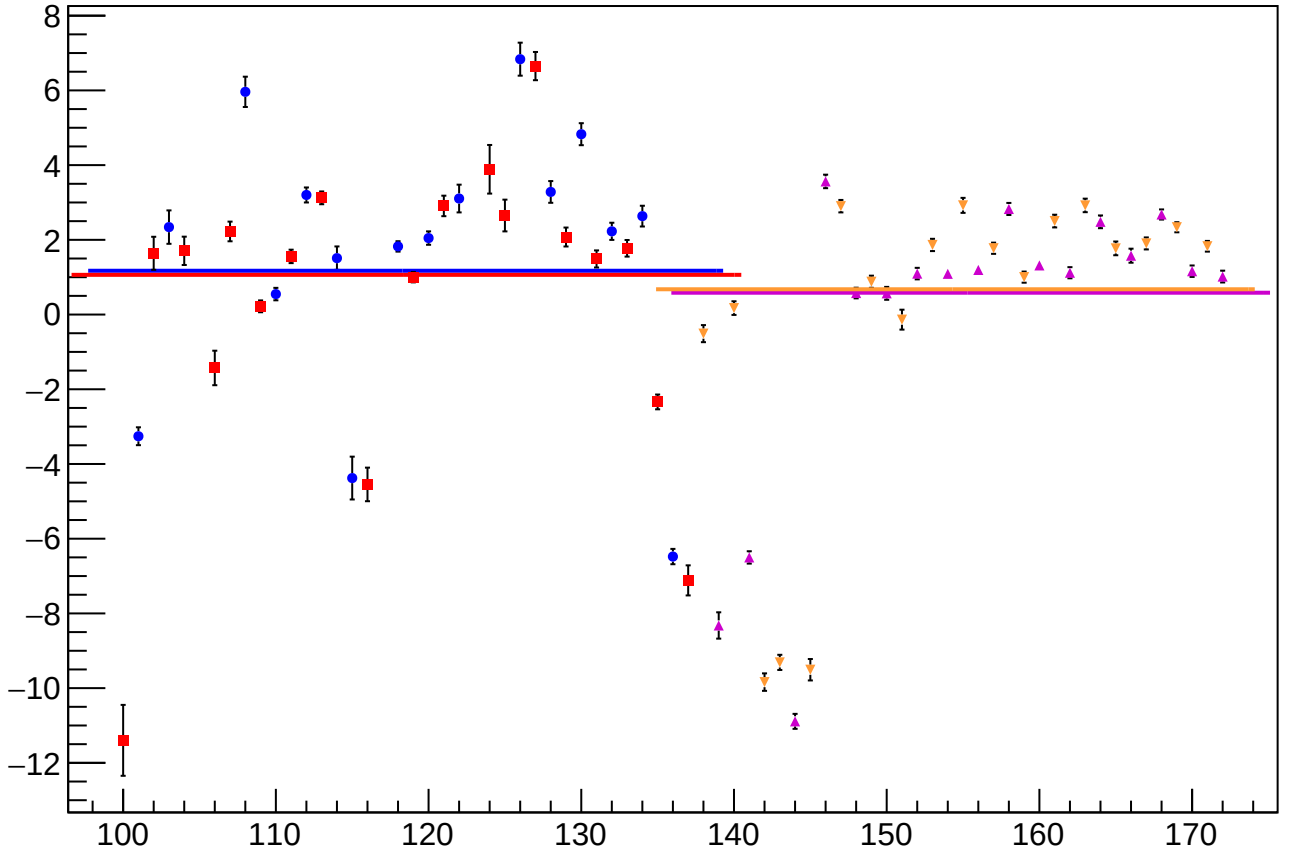
Left: 5.854+/-0.038 χ^2/NDF: 278973.9/34

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 0.282+/-0.037 χ^2/NDF:209351.2/32

Out: 1.687+/-0.036 χ^2/NDF:255479.8/36

All: 1.008+/-0.026 χ^2/NDF: 465573.0/69



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.677+/-0.042 χ^2/NDF:6740.0/17

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: 0.584+/-0.037 χ^2/NDF:6742.2/16

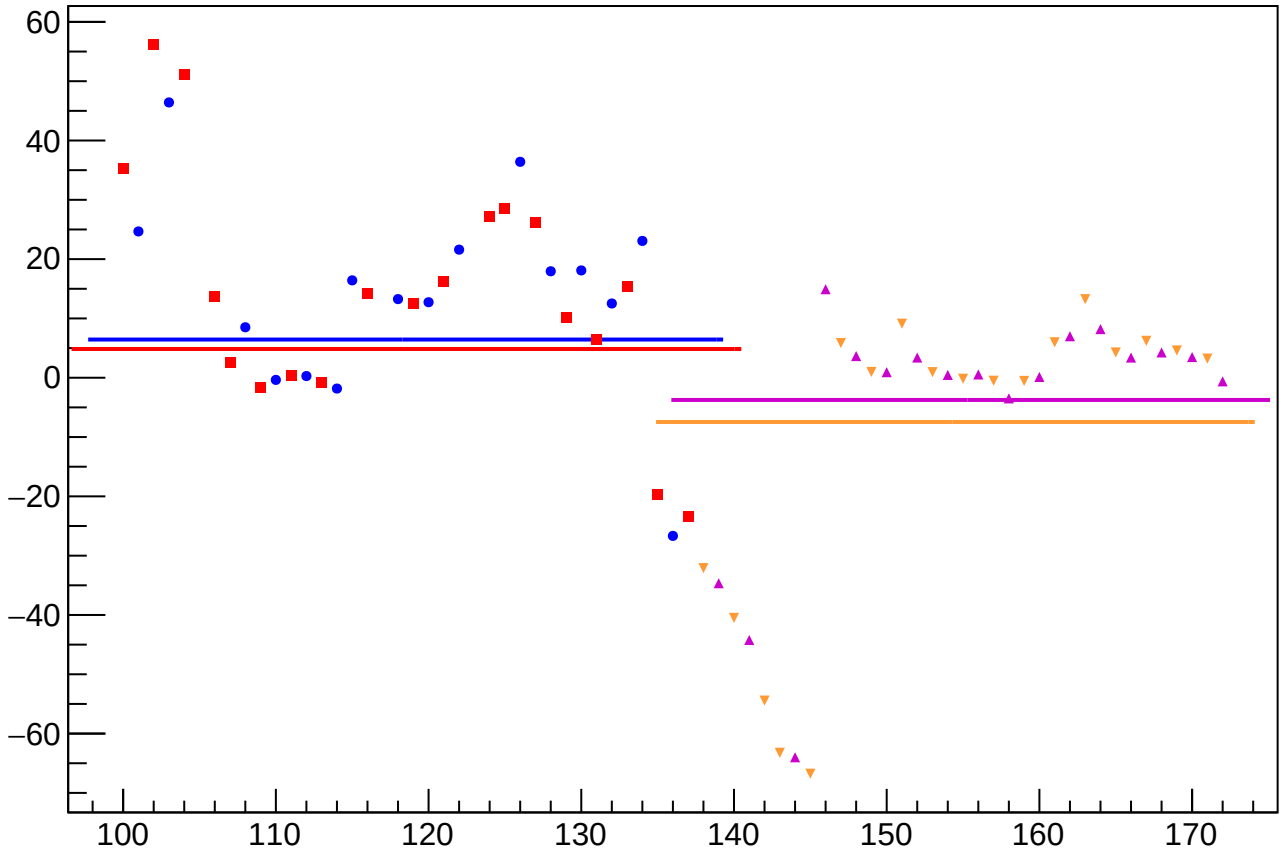
Left: 0.625+/-0.027 χ^2/NDF: 13484.9/34

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.743+/-0.031 χ^2/NDF:9396.5/32

Out: 0.811+/-0.034 χ^2/NDF:8366.5/36

All: 0.775+/-0.023 χ^2/NDF: 17765.2/69



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -7.457+/-0.056 χ^2/NDF:150372.1/17

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -3.745+/-0.049 χ^2/NDF:119240.5/16

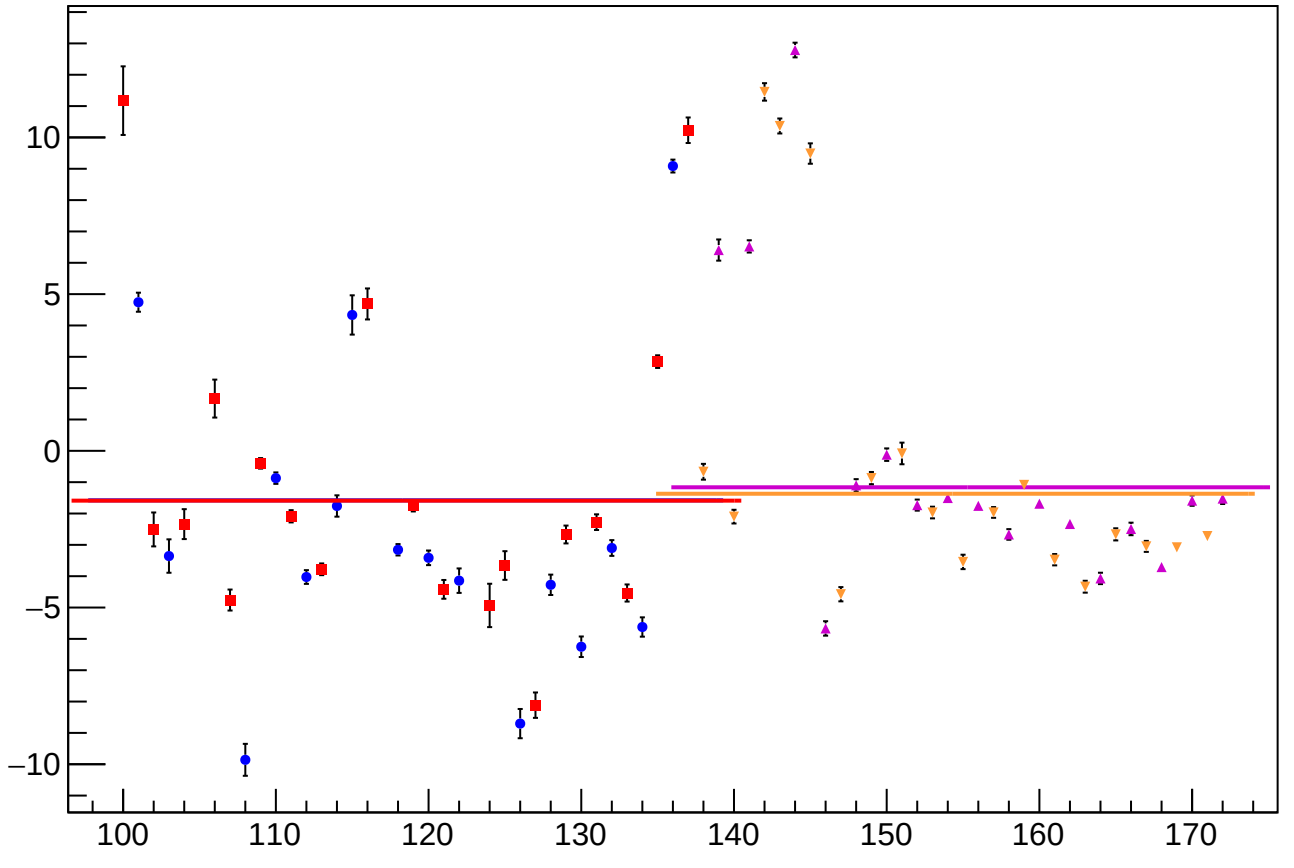
Left: -5.348+/-0.037 χ^2/NDF: 272083.0/34

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -0.036+/-0.039 χ^2/NDF:205560.9/32

Out: -1.575+/-0.041 χ^2/NDF:248375.3/36

All: -0.776+/-0.028 χ^2/NDF: 454679.7/69



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.369+/-0.047 χ^2/NDF:6707.4/17

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: -1.163+/-0.041 χ^2/NDF:6749.8/16

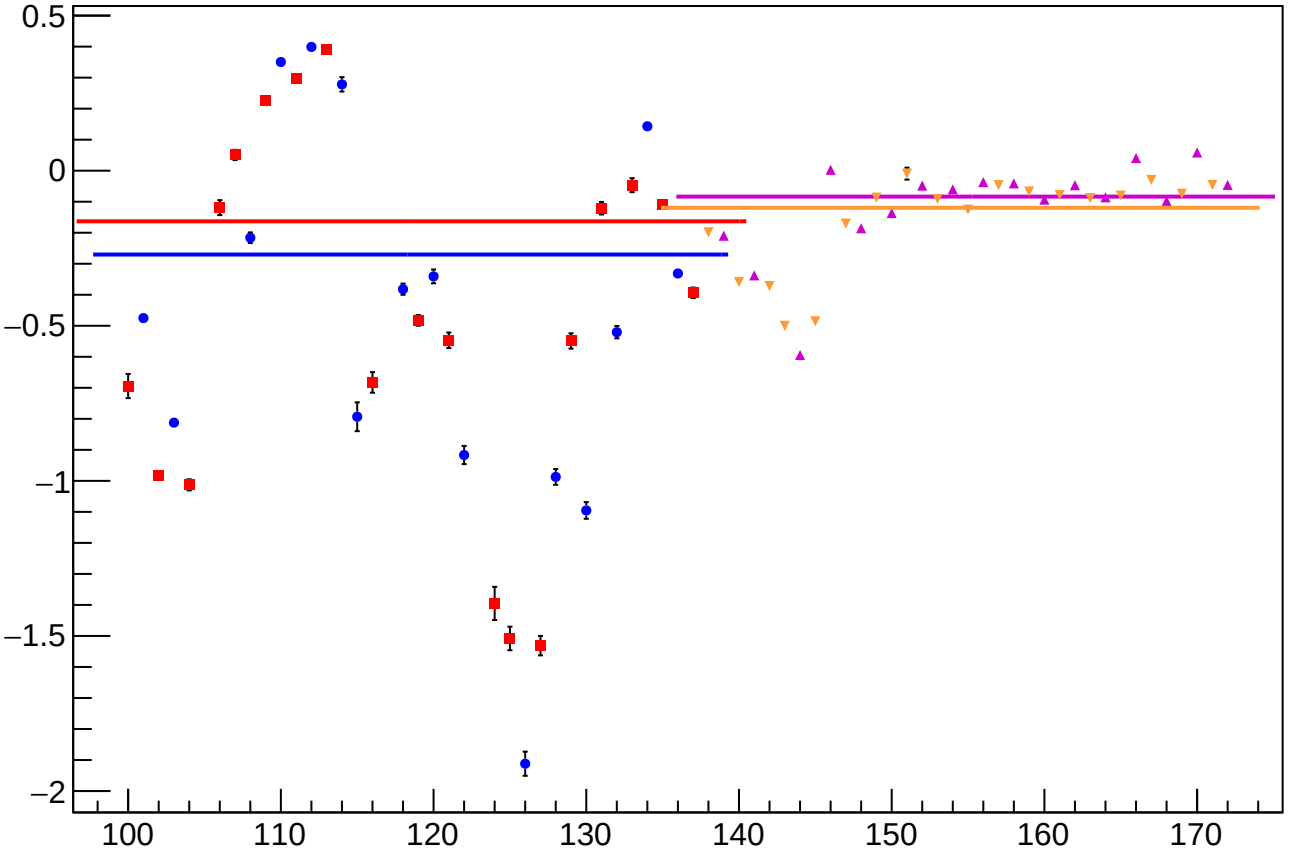
Left: -1.253+/-0.031 χ^2/NDF: 13468.1/34

Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -1.272+/-0.035 χ^2/NDF:11300.8/32

Out: -1.446+/-0.038 χ^2/NDF:9187.2/36

All: -1.353+/-0.026 χ^2/NDF: 20499.2/69



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.120+/-0.002 χ^2/NDF:3350.9/17

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.084+/-0.002 χ^2/NDF:3667.3/16

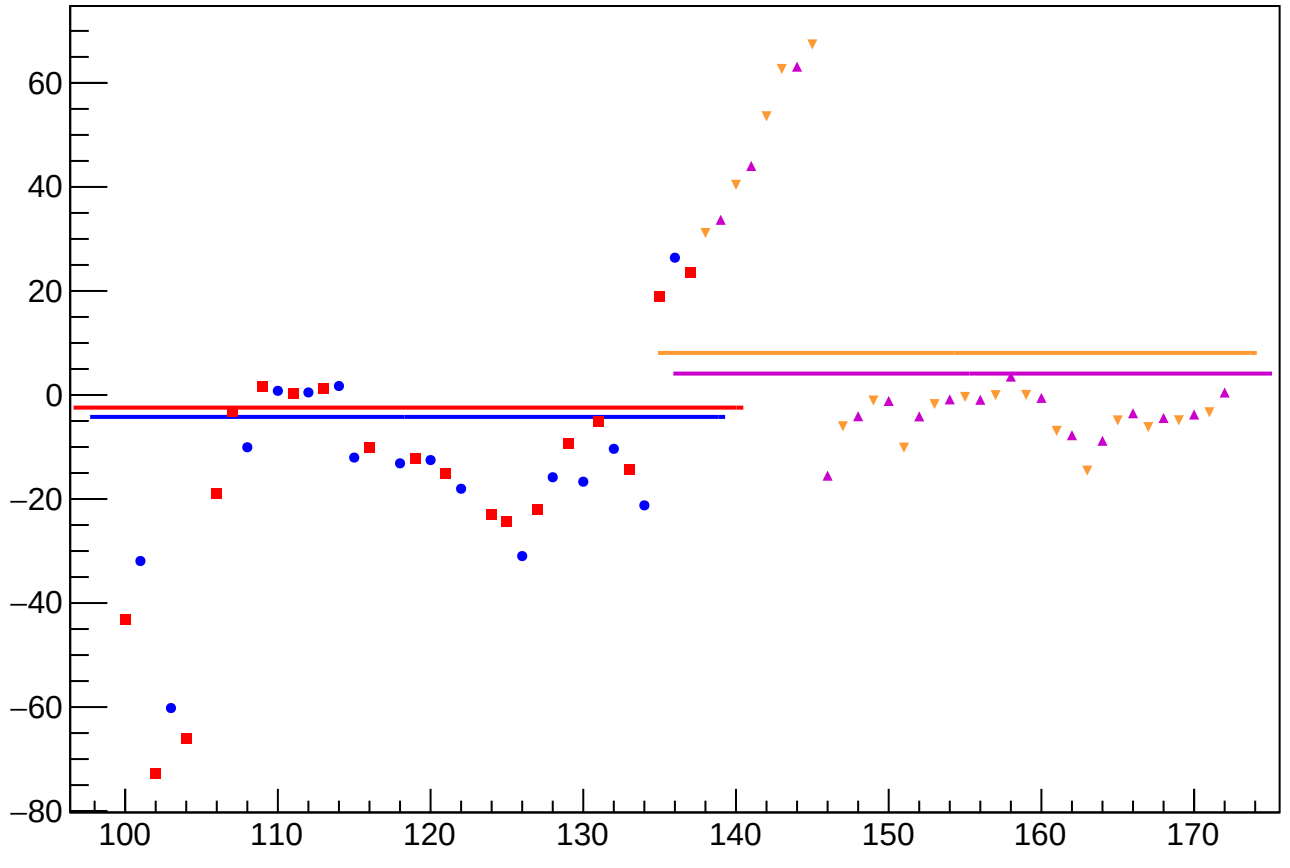
Left: -0.099+/-0.001 χ^2/NDF: 7195.9/34

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.112+/-0.002 χ^2/NDF:17433.5/32

Out: -0.129+/-0.002 χ^2/NDF:18963.7/36

All: -0.120+/-0.001 χ^2/NDF: 36449.4/69



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 8.093+/-0.058 χ^2/NDF:154928.2/17

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 4.119+/-0.051 χ^2/NDF:121864.4/16

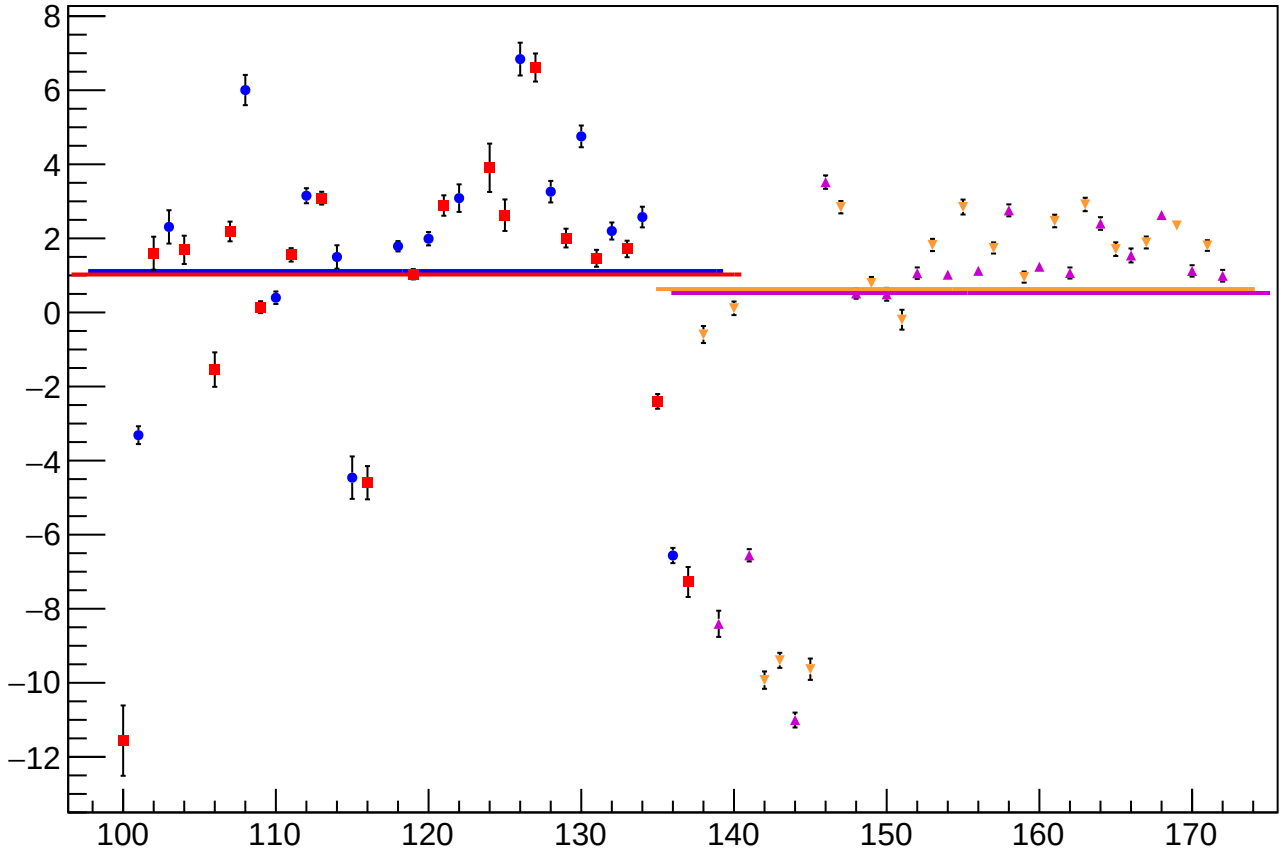
Left: 5.856+/-0.038 χ^2/NDF: 279461.3/34

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 0.257+/-0.037 χ^2/NDF:209529.1/32

Out: 1.679+/-0.036 χ^2/NDF:255911.3/36

All: 0.991+/-0.026 χ^2/NDF: 466193.3/69



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.631+/-0.042 χ^2/NDF:6762.0/17

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: 0.525+/-0.037 χ^2/NDF:6721.6/16

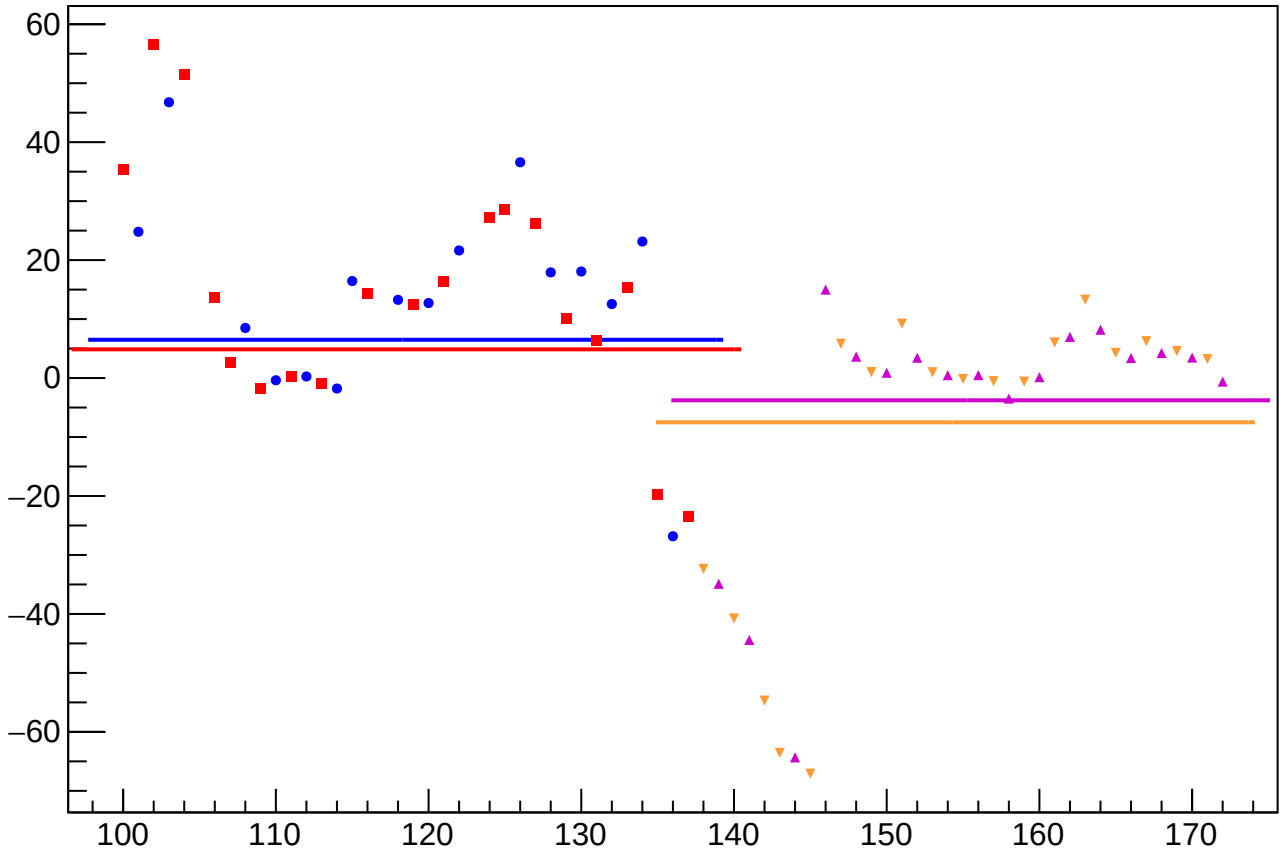
Left: 0.571+/-0.028 χ^2/NDF: 13487.2/34

Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.685+/-0.031 χ^2/NDF:9383.7/32

Out: 0.768+/-0.034 χ^2/NDF:8404.8/36

All: 0.723+/-0.023 χ^2/NDF: 17791.7/69



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -7.503+/-0.057 χ^2/NDF:150734.0/17

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -3.774+/-0.049 χ^2/NDF:119372.5/16

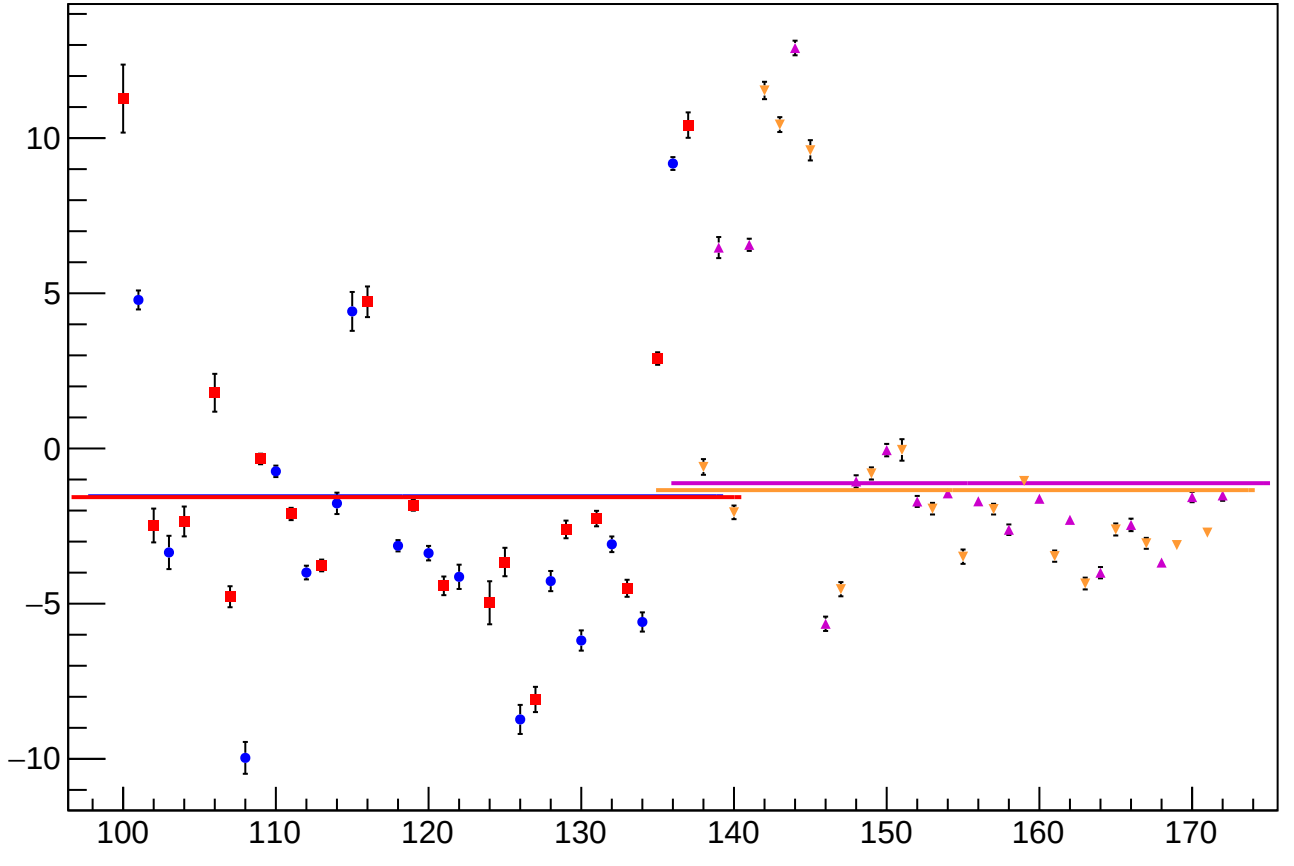
Left: -5.383+/-0.037 χ^2/NDF: 272580.6/34

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -0.046+/-0.039 χ^2/NDF:205774.5/32

Out: -1.603+/-0.041 χ^2/NDF:248847.2/36

All: -0.794+/-0.028 χ^2/NDF: 455374.9/69



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -1.342+/-0.047 χ^2/NDF:6732.5/17

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: -1.118+/-0.041 χ^2/NDF:6734.1/16

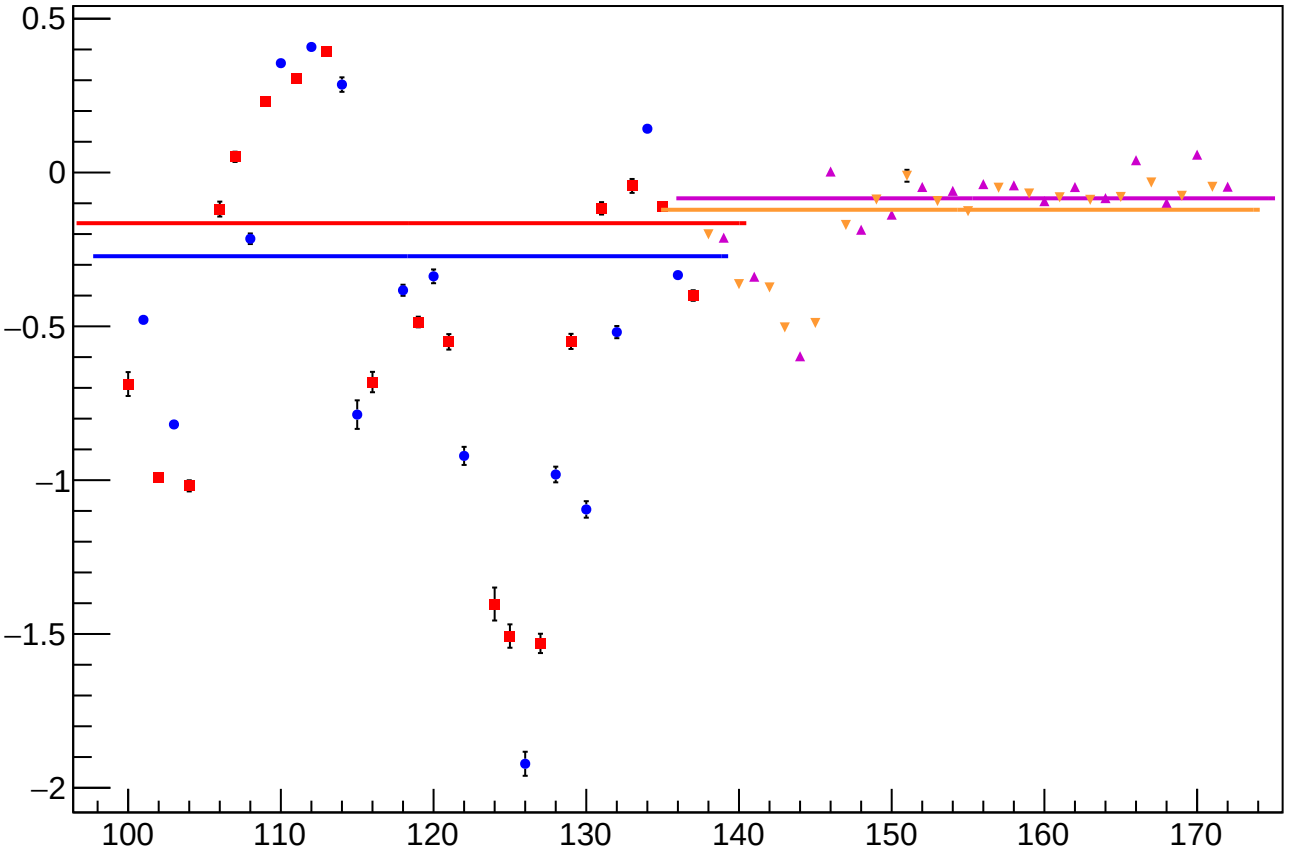
Left: -1.215+/-0.031 χ^2/NDF: 13479.3/34

Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -1.228+/-0.036 χ^2/NDF:11297.1/32

Out: -1.420+/-0.038 χ^2/NDF:9237.4/36

All: -1.318+/-0.026 χ^2/NDF: 20548.1/69



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.121+/-0.002 χ^2/NDF:3349.8/17

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.084+/-0.002 χ^2/NDF:3663.9/16

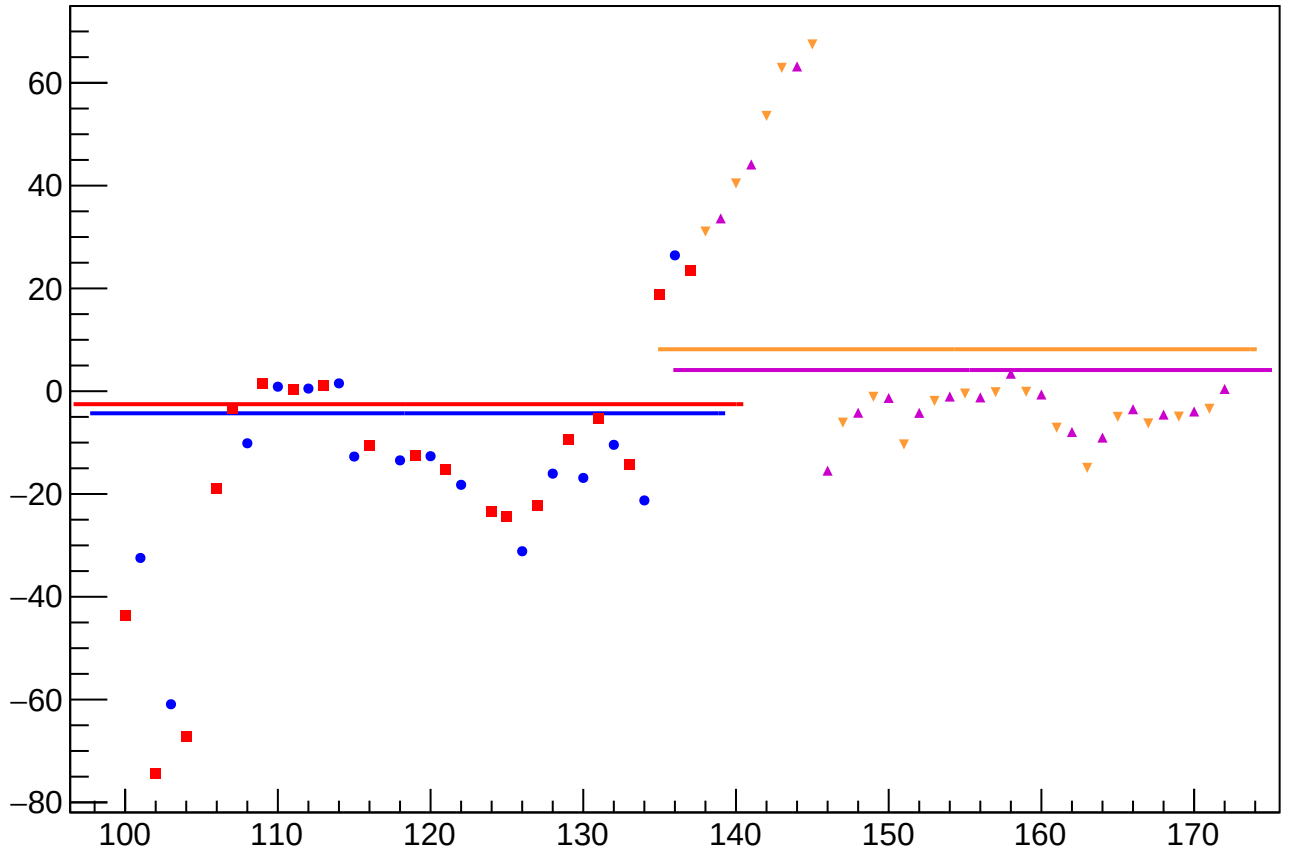
Left: -0.099+/-0.001 χ^2/NDF: 7202.3/34

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.112+/-0.002 χ^2/NDF:17466.5/32

Out: -0.131+/-0.002 χ^2/NDF:18942.2/36

All: -0.121+/-0.001 χ^2/NDF: 36467.1/69



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 8.164+/-0.059 χ^2/NDF:152669.5/17

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: 5.896+/-0.039 χ^2/NDF: 275292.2/34

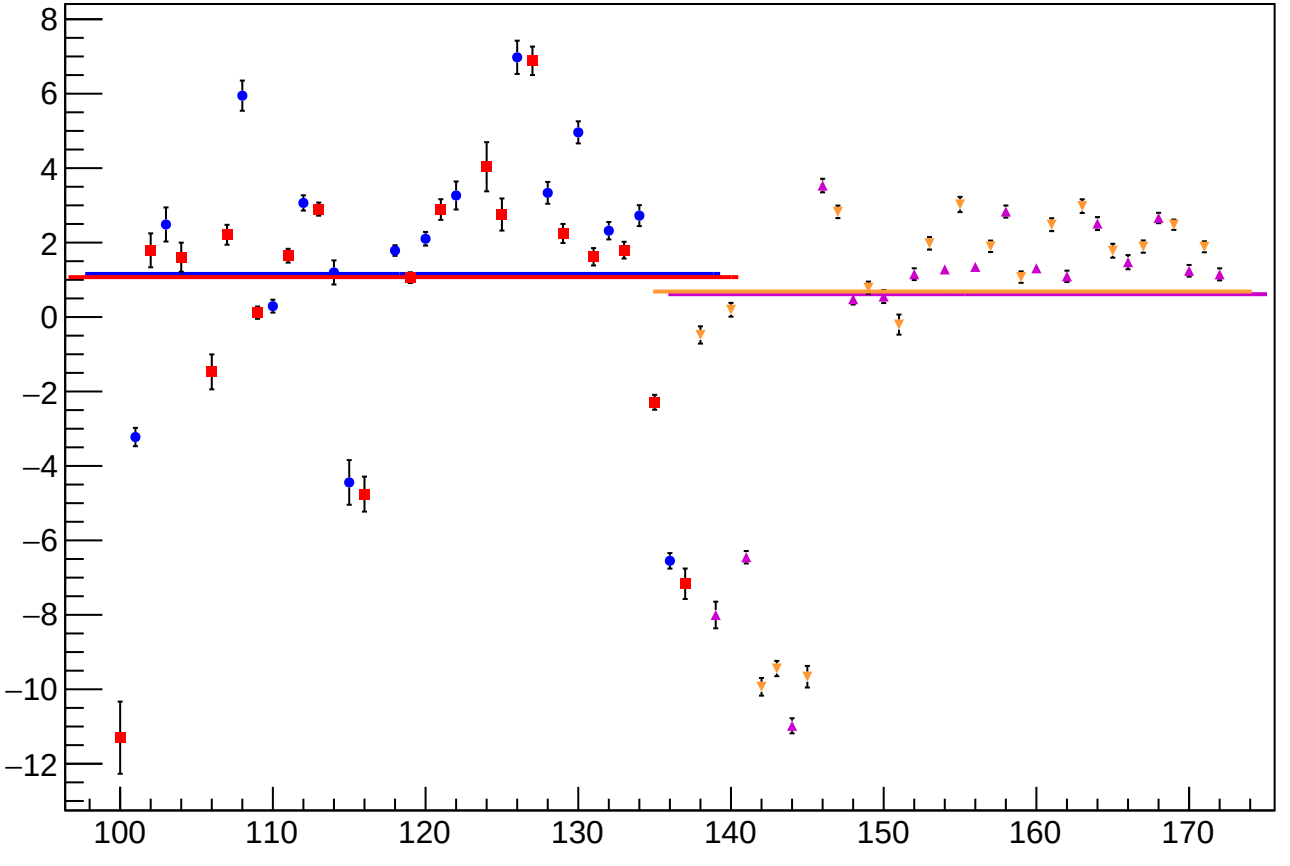
Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 0.213+/-0.038 χ^2/NDF:206389.7/32

Out: 1.682+/-0.037 χ^2/NDF:252707.7/36

All: 0.971+/-0.026 χ^2/NDF: 459869.1/69

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: 0.685+/-0.042 χ^2/NDF:6743.7/17

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: 0.614+/-0.037 χ^2/NDF:6565.5/16

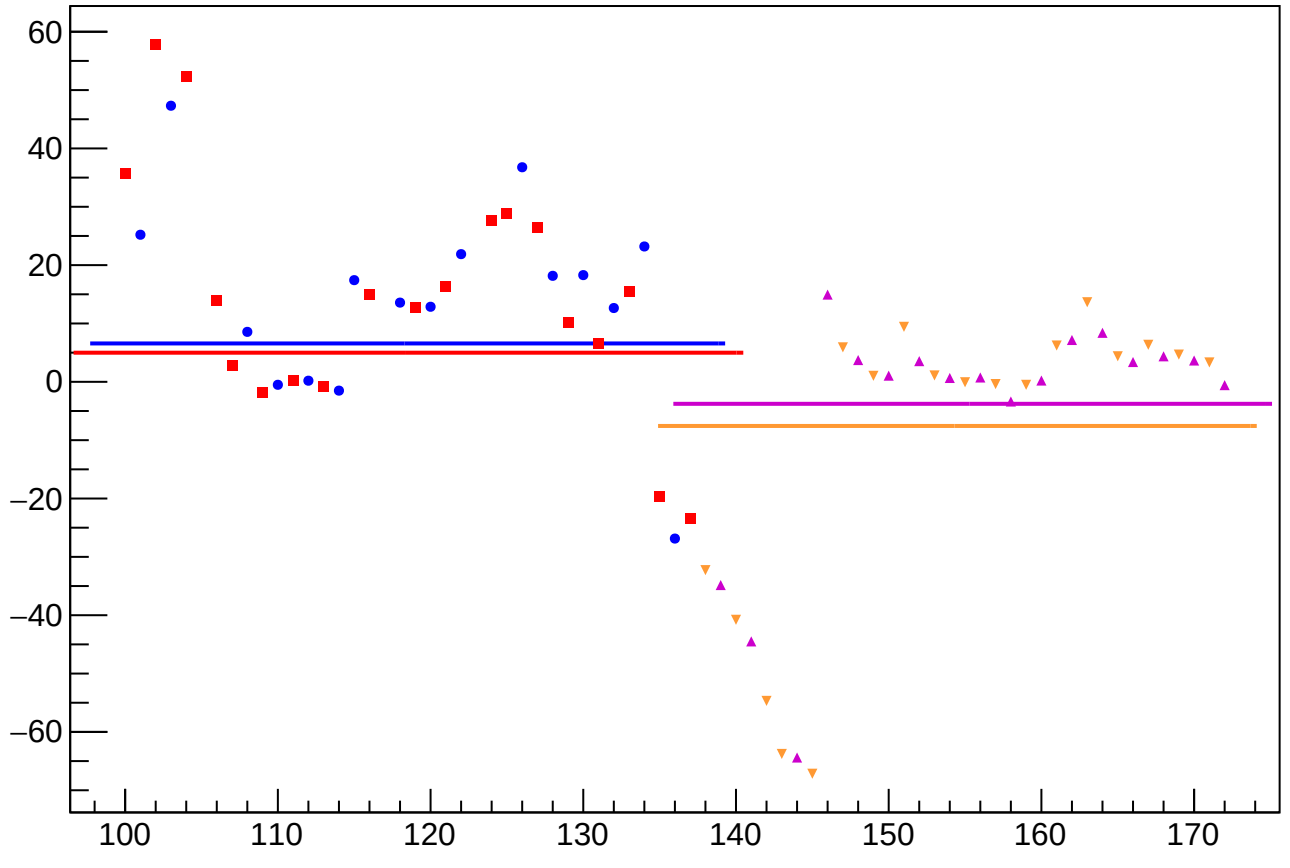
Left: 0.645+/-0.028 χ^2/NDF: 13310.8/34

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.761+/-0.032 χ^2/NDF:9172.5/32

Out: 0.819+/-0.034 χ^2/NDF:8323.8/36

All: 0.788+/-0.023 χ^2/NDF: 17497.9/69



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -7.564+/-0.057 χ^2/NDF:148542.4/17

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: -5.415+/-0.038 χ^2/NDF: 268499.0/34

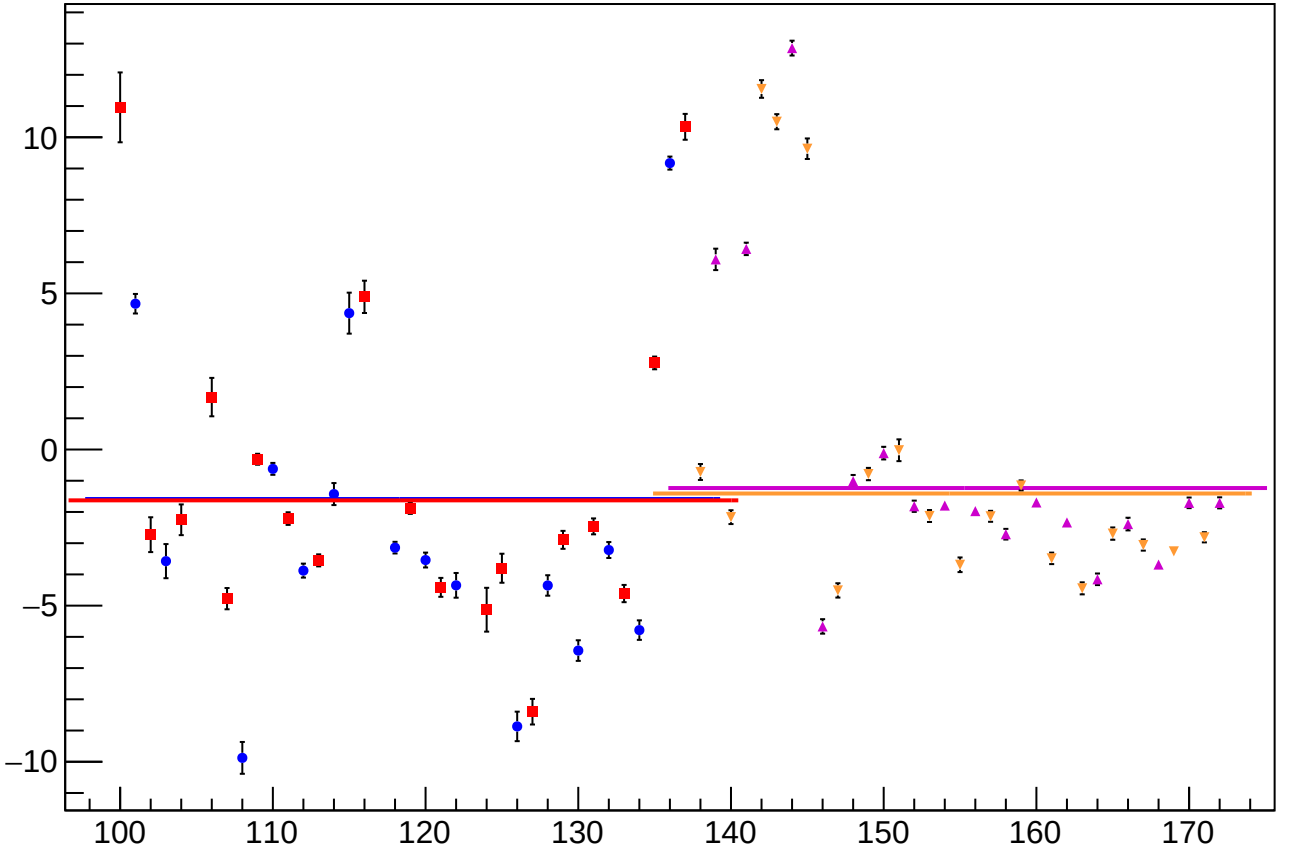
Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: 0.001+/-0.040 χ^2/NDF:202654.2/32

Out: -1.604+/-0.042 χ^2/NDF:245690.6/36

All: -0.771+/-0.029 χ^2/NDF: 449116.3/69

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -1.409+/-0.048 χ^2/NDF:6710.6/17

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: -1.310+/-0.032 χ^2/NDF: 13285.4/34

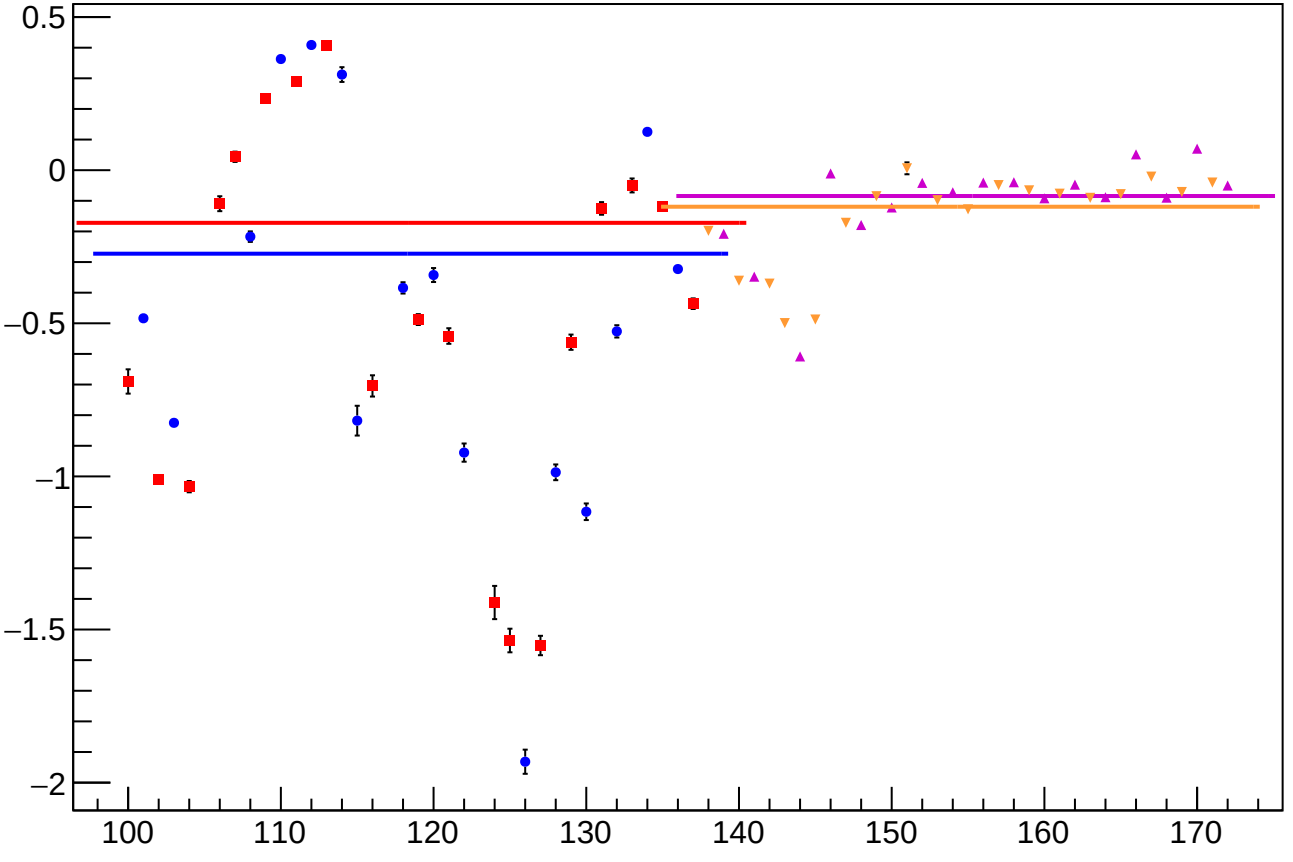
Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -1.326+/-0.036 χ^2/NDF:11058.1/32

Out: -1.485+/-0.039 χ^2/NDF:9140.1/36

All: -1.400+/-0.026 χ^2/NDF: 20207.1/69

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: -0.119+/-0.002 χ^2/NDF:3313.1/17

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.084+/-0.002 χ^2/NDF:3718.5/16

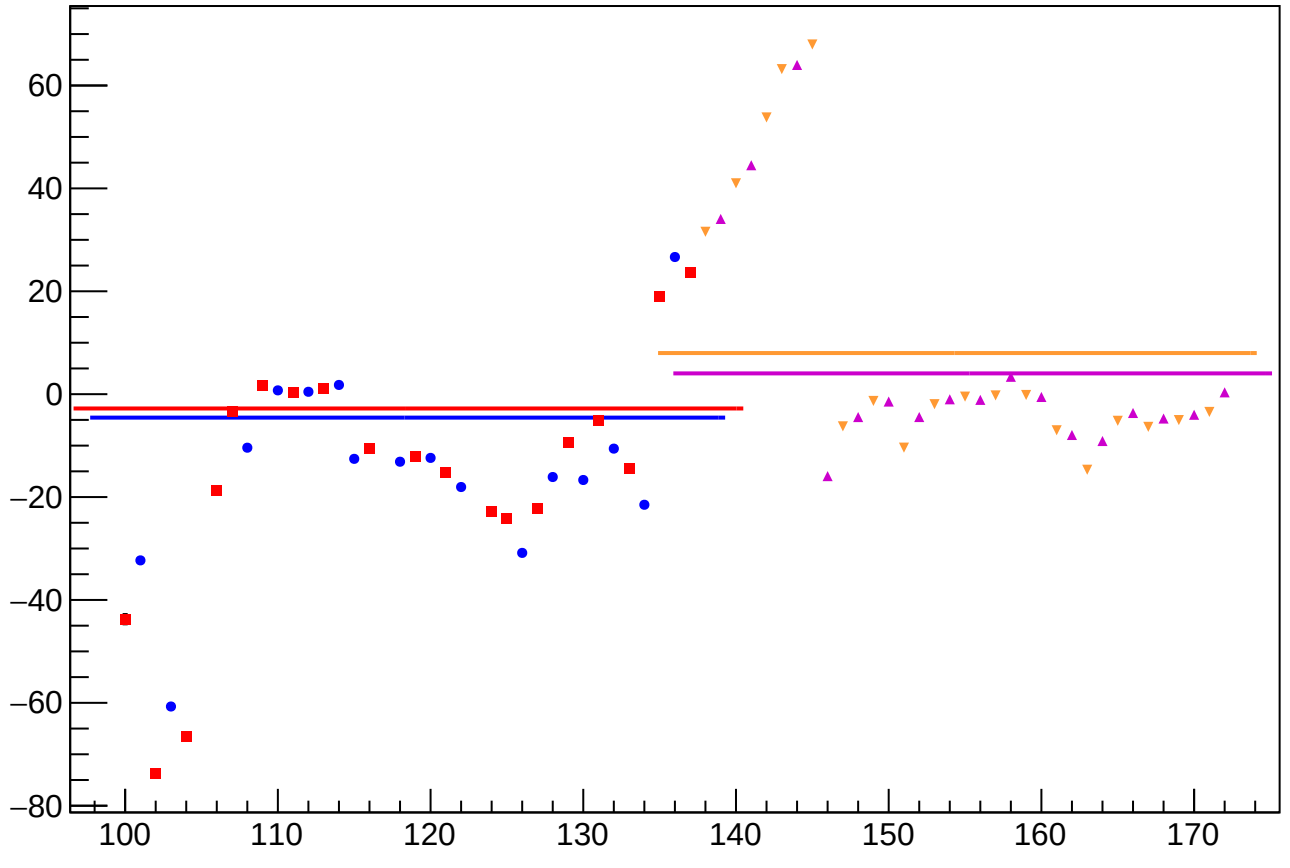
Left: -0.099+/-0.001 χ^2/NDF: 7192.0/34

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.113+/-0.002 χ^2/NDF:17259.5/32

Out: -0.131+/-0.002 χ^2/NDF:18778.4/36

All: -0.121+/-0.001 χ^2/NDF: 36091.1/69



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 7.994+/-0.059 χ^2/NDF:150824.2/17

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 4.039+/-0.053 χ^2/NDF:118697.8/16

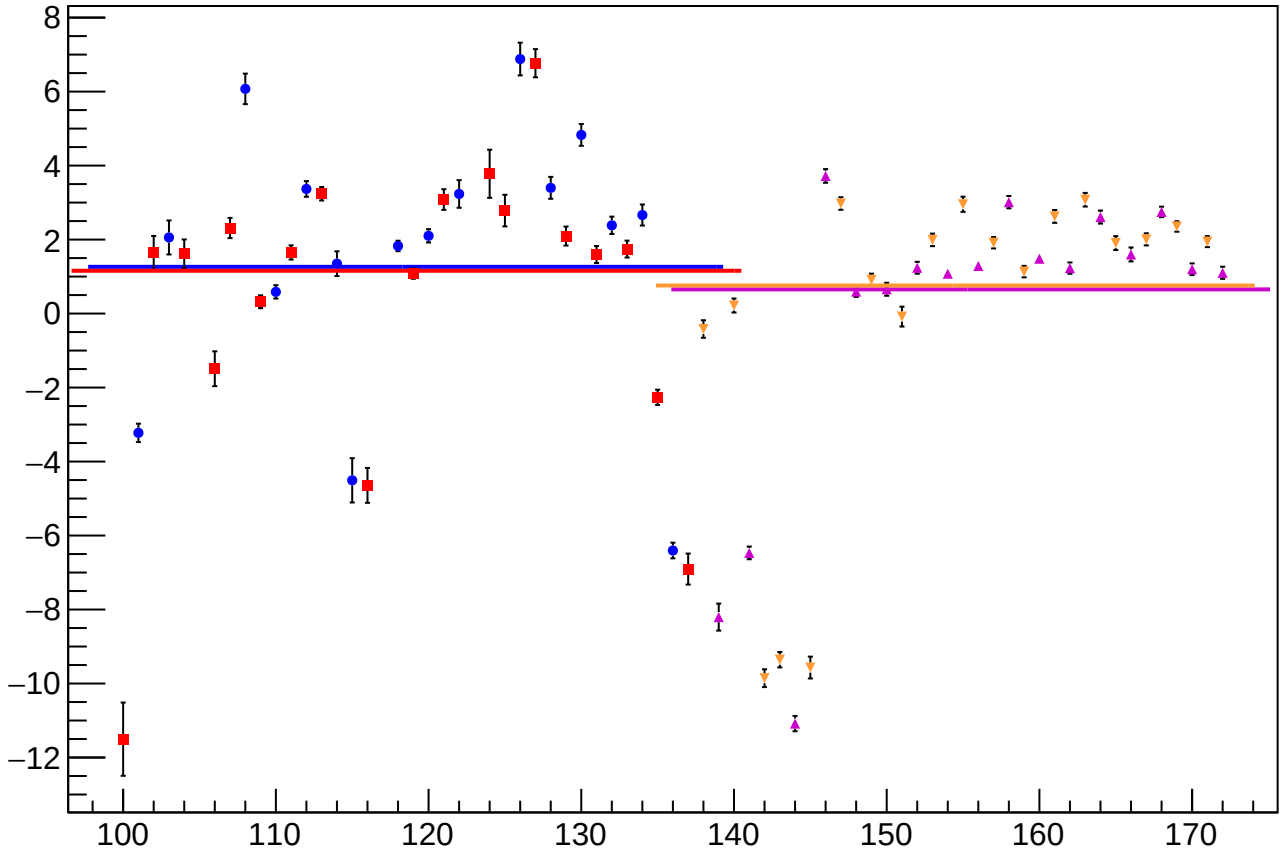
Left: 5.782+/-0.039 χ^2/NDF: 272016.1/34

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: 0.073+/-0.039 χ^2/NDF:203670.1/32

Out: 1.546+/-0.038 χ^2/NDF:248538.0/36

All: 0.830+/-0.027 χ^2/NDF: 452957.4/69



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.759+/-0.043 χ^2/NDF:6530.2/17

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: 0.654+/-0.038 χ^2/NDF:6518.6/16

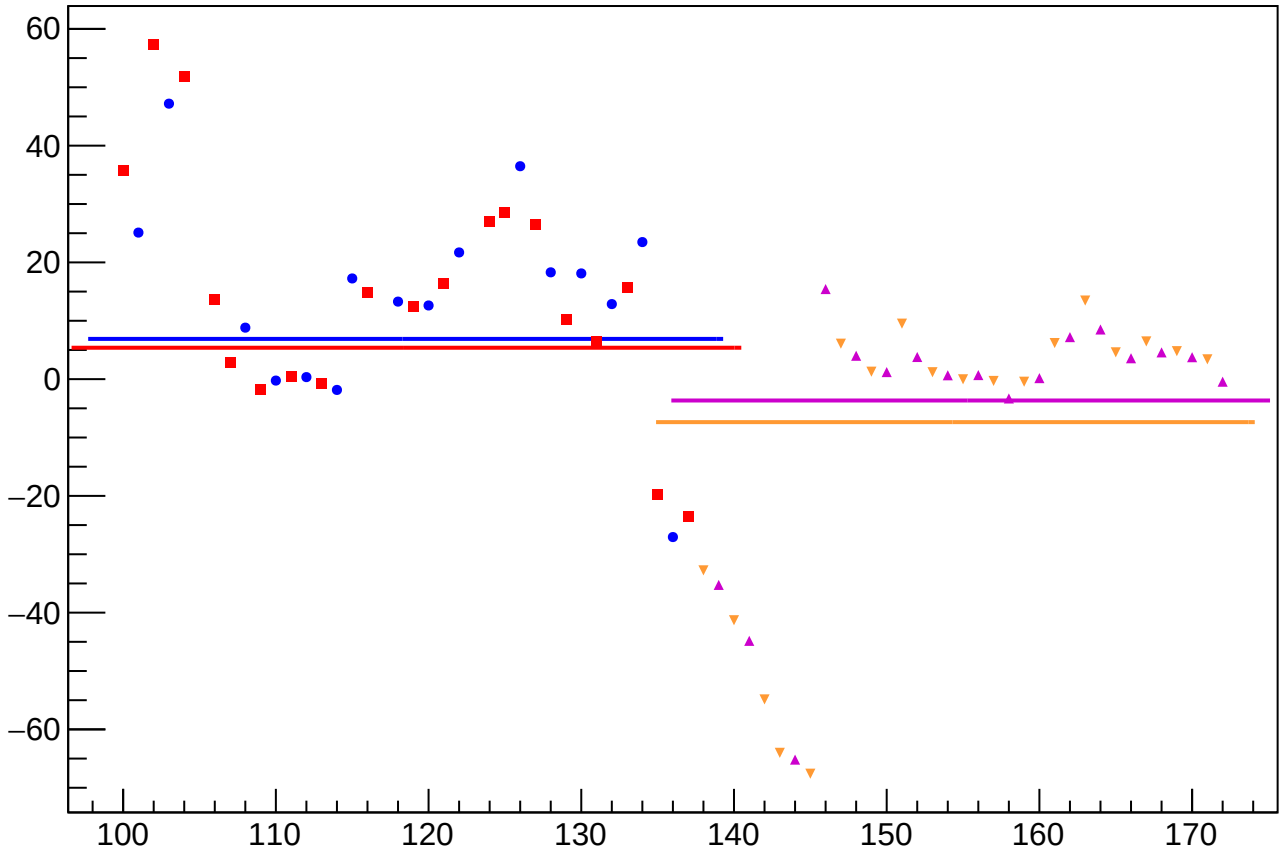
Left: 0.700+/-0.028 χ^2/NDF: 13052.2/34

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.820+/-0.032 χ^2/NDF:9032.7/32

Out: 0.896+/-0.035 χ^2/NDF:8050.6/36

All: 0.855+/-0.024 χ^2/NDF: 17085.8/69



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -7.364+/-0.058 χ^2/NDF:146606.8/17

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -3.658+/-0.051 χ^2/NDF:116205.4/16

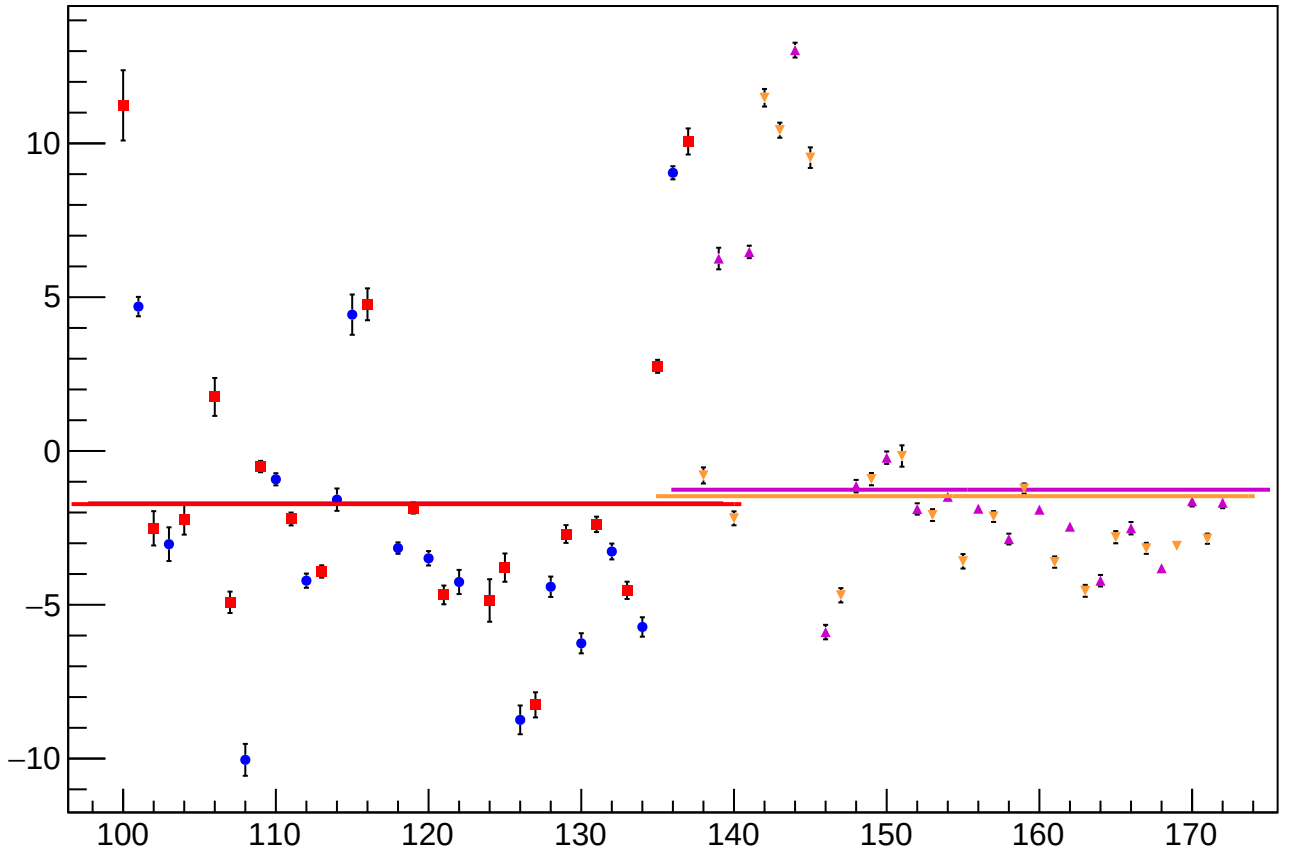
Left: -5.272+/-0.038 χ^2/NDF: 265117.6/34

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: 0.182+/-0.041 χ^2/NDF:199862.9/32

Out: -1.385+/-0.042 χ^2/NDF:241497.3/36

All: -0.571+/-0.029 χ^2/NDF: 442074.5/69



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -1.470+/-0.048 χ^2/NDF:6509.6/17

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: -1.352+/-0.032 χ^2/NDF: 13072.2/34

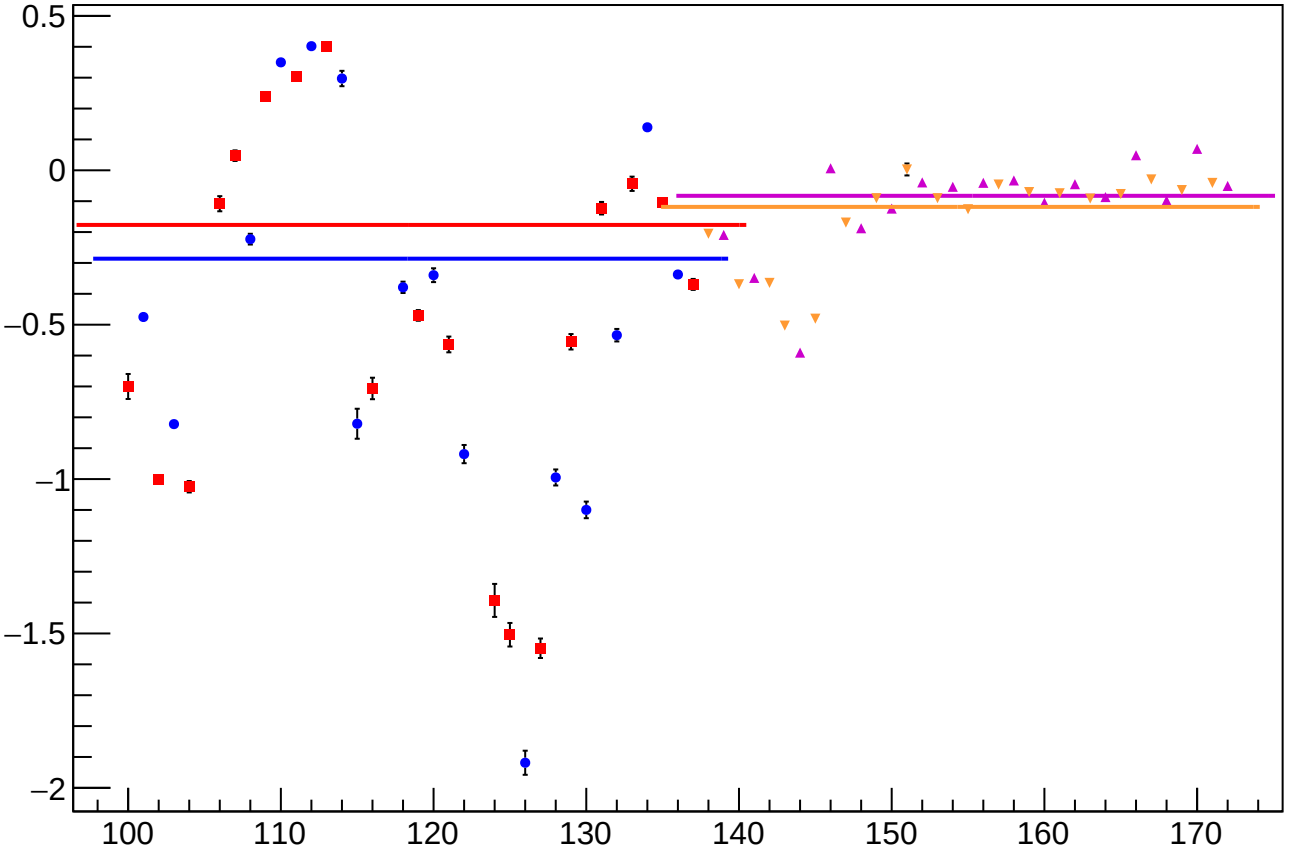
Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -1.377+/-0.037 χ^2/NDF:10870.7/32

Out: -1.558+/-0.039 χ^2/NDF:8828.9/36

All: -1.462+/-0.027 χ^2/NDF: 19710.9/69

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.286+/-0.004 χ^2/NDF: 11361.1/15

Left Out: -0.118+/-0.002 χ^2/NDF:3245.0/17

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: -0.098+/-0.001 χ^2/NDF: 6994.9/34

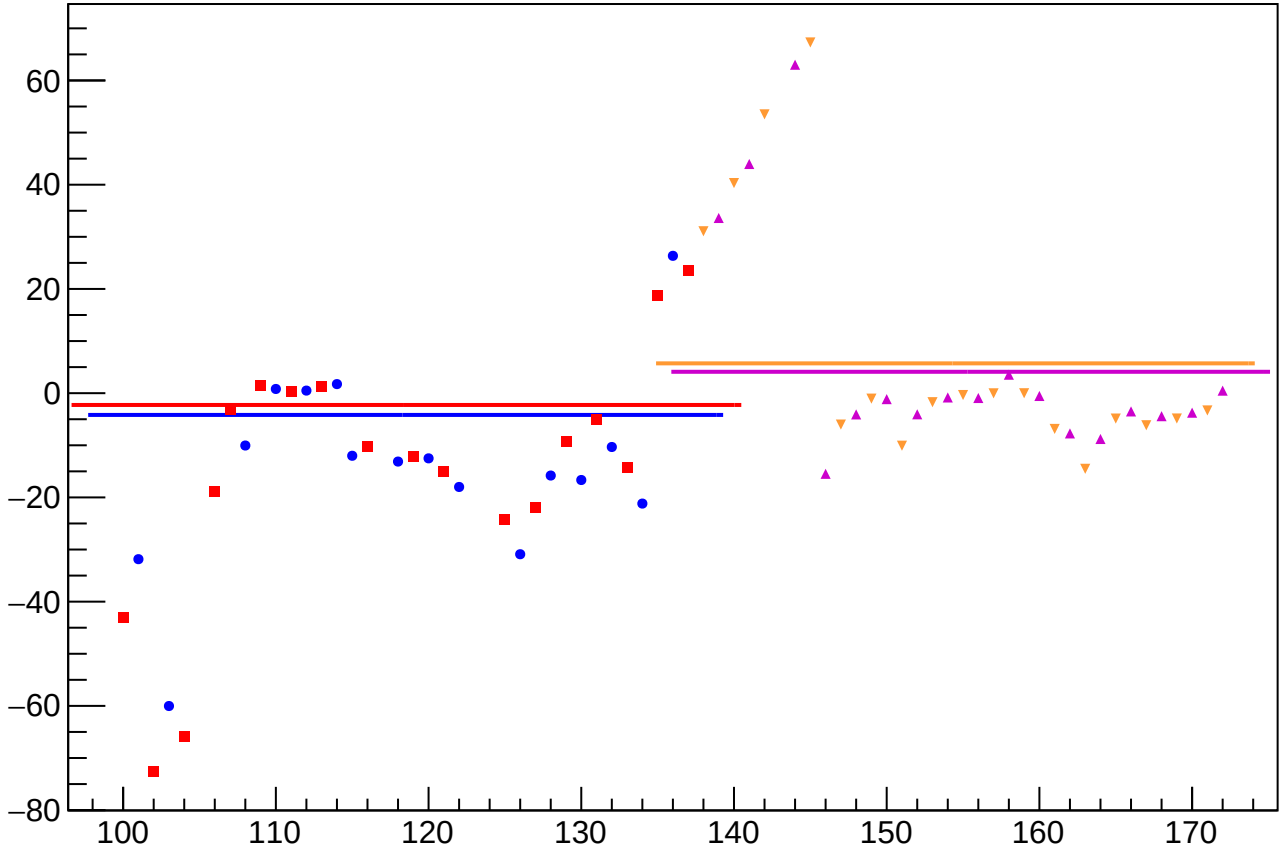
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.114+/-0.002 χ^2/NDF:16861.3/32

Out: -0.132+/-0.002 χ^2/NDF:18182.6/36

All: -0.122+/-0.001 χ^2/NDF: 35093.6/69

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.173+/-0.054 χ^2/NDF: 75394.5/15

Left Out: 5.720+/-0.059 χ^2/NDF:116393.0/16

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: 4.793+/-0.038 χ^2/NDF: 238936.6/33

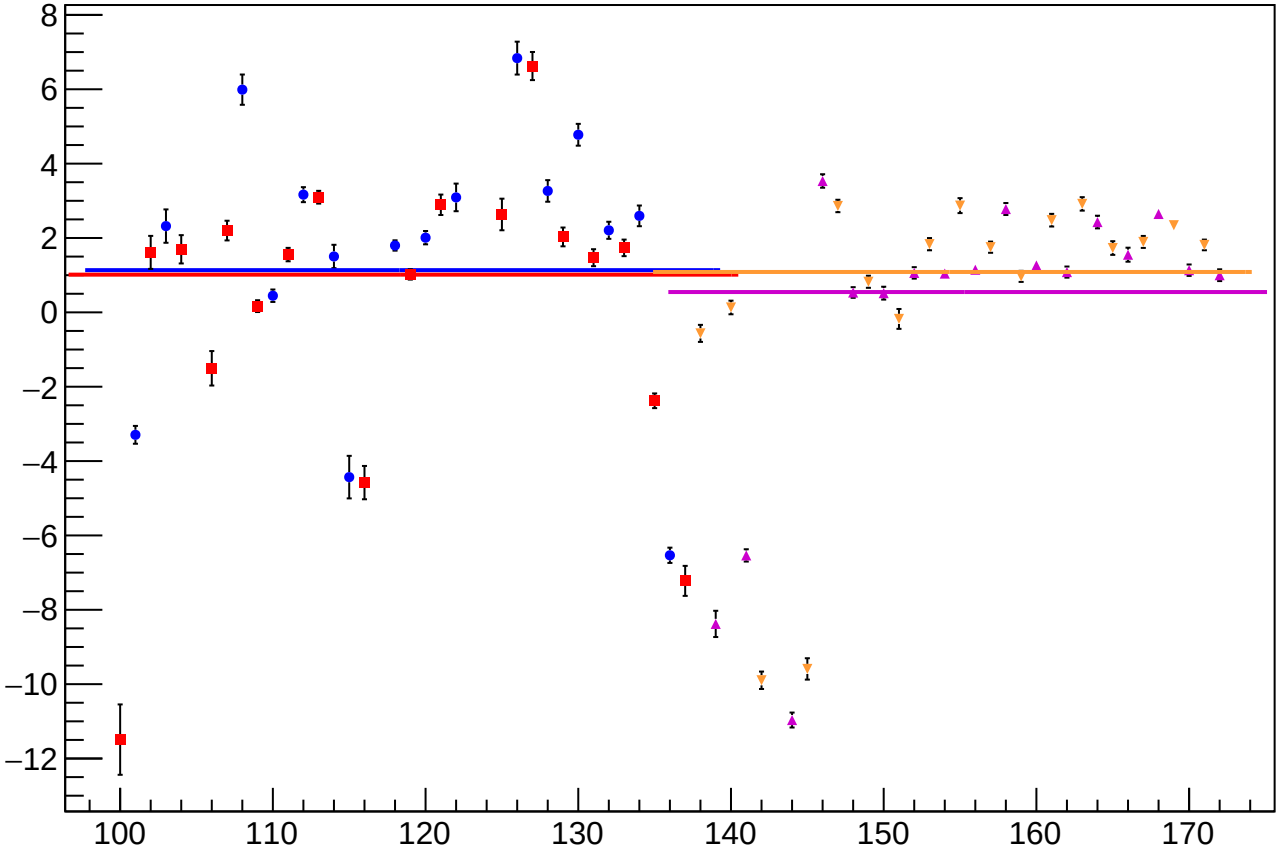
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 0.265+/-0.037 χ^2/NDF:209893.3/32

Out: 0.776+/-0.036 χ^2/NDF:207453.0/34

All: 0.526+/-0.026 χ^2/NDF: 417443.4/67

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: 1.086+/-0.043 χ^2/NDF:4231.4/16

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.546+/-0.037 χ^2/NDF:6742.9/16

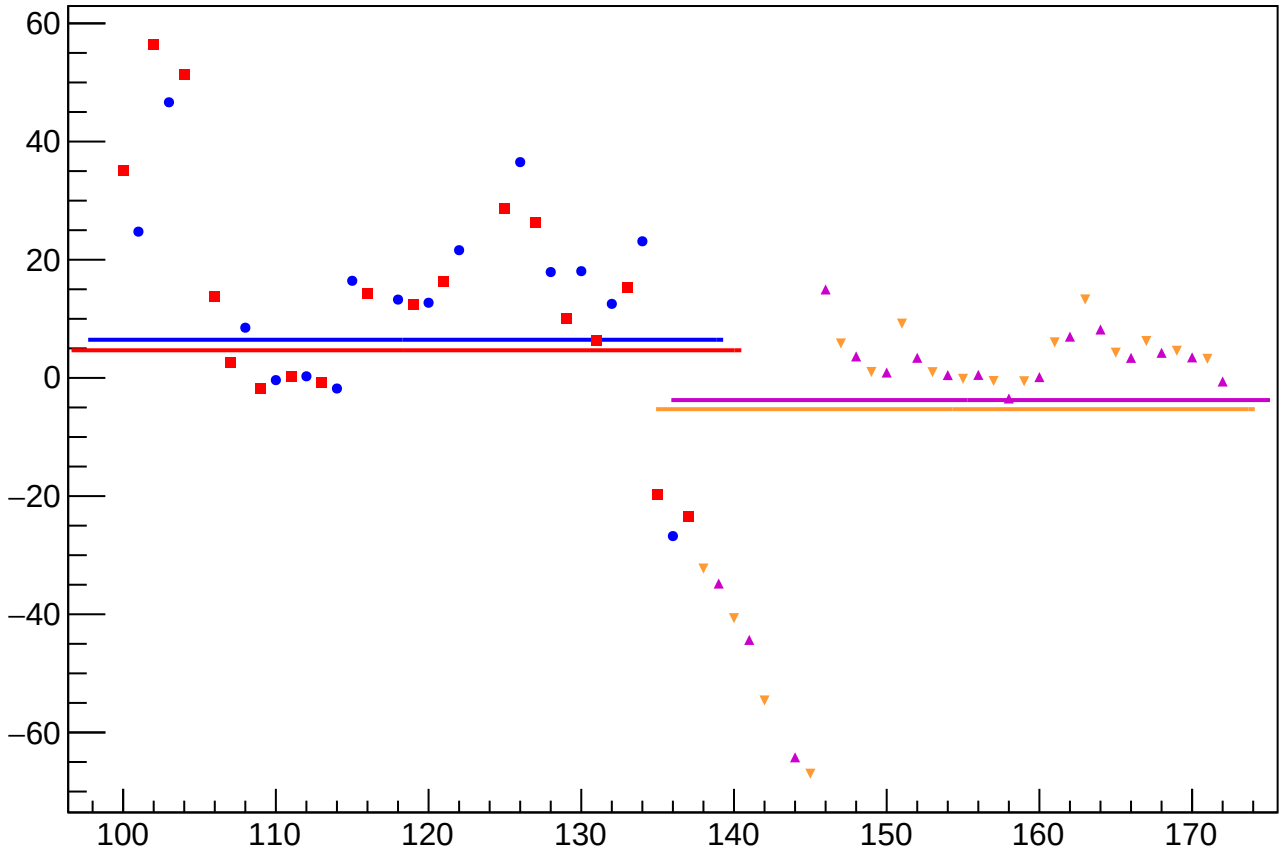
Left: 0.776+/-0.028 χ^2/NDF: 11067.1/33

Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.705+/-0.031 χ^2/NDF:9408.6/32

Out: 1.061+/-0.034 χ^2/NDF:5825.4/34

All: 0.867+/-0.023 χ^2/NDF: 15293.2/67



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -5.292+/-0.057 χ^2/NDF:112474.5/16

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: -4.400+/-0.037 χ^2/NDF: 232496.6/33

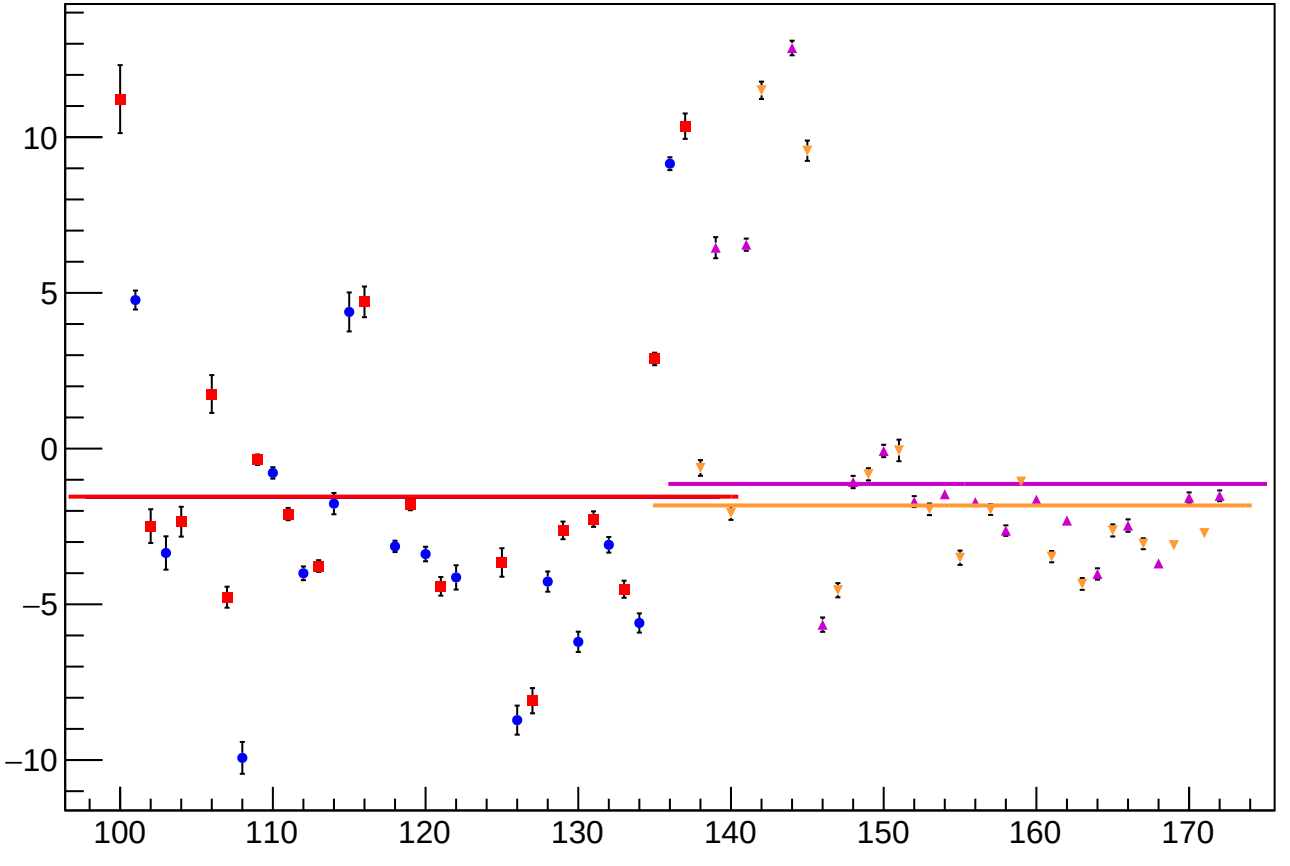
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: -0.042+/-0.039 χ^2/NDF:206118.8/32

Out: -0.450+/-0.041 χ^2/NDF:201527.6/34

All: -0.236+/-0.028 χ^2/NDF: 407697.9/67

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: -1.825+/-0.048 χ^2/NDF:4223.8/16

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: -1.428+/-0.031 χ^2/NDF: 11096.6/33

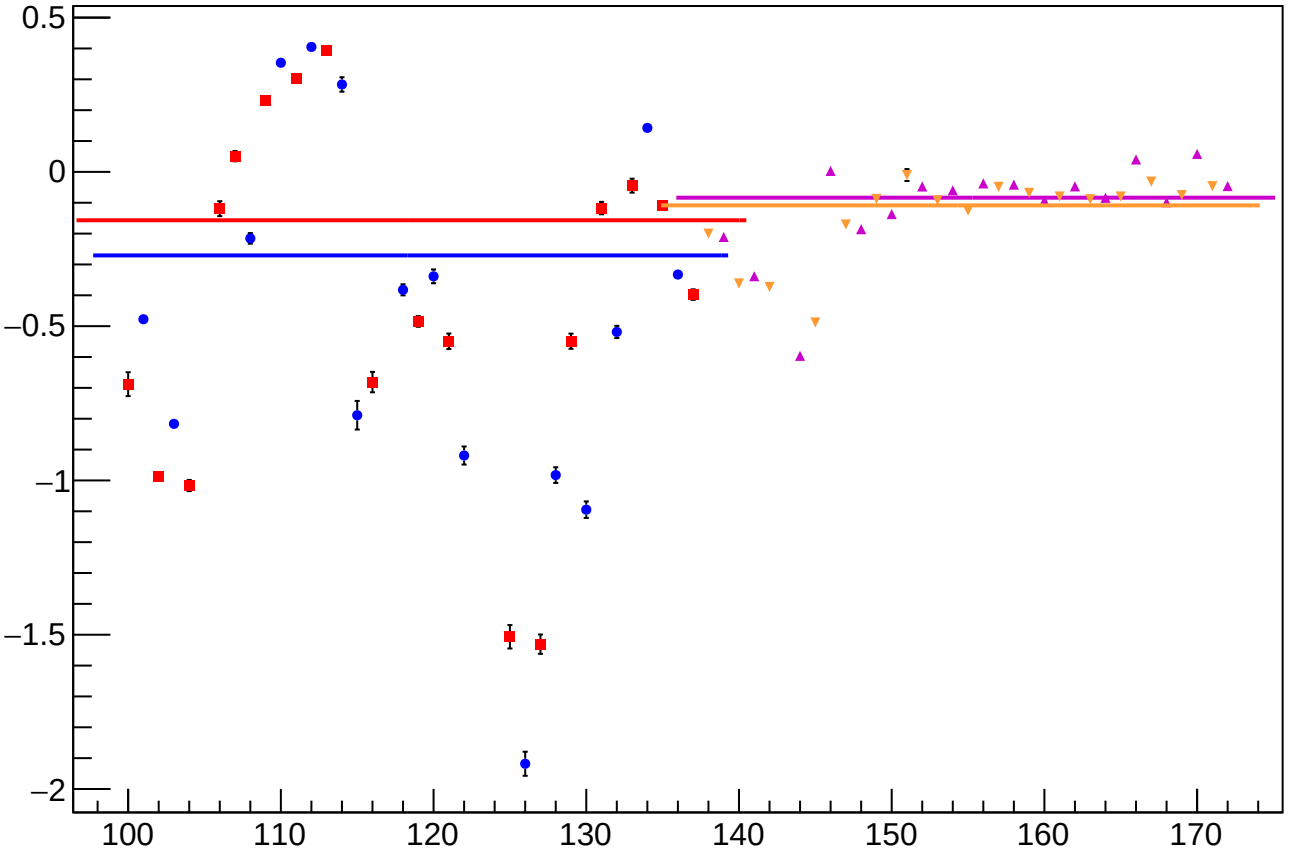
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -1.244+/-0.035 χ^2/NDF:11324.0/32

Out: -1.725+/-0.039 χ^2/NDF:6709.1/34

All: -1.464+/-0.026 χ^2/NDF: 18117.7/67

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: -0.109+/-0.002 χ^2/NDF:2284.9/16

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: -0.094+/-0.001 χ^2/NDF: 6042.6/33

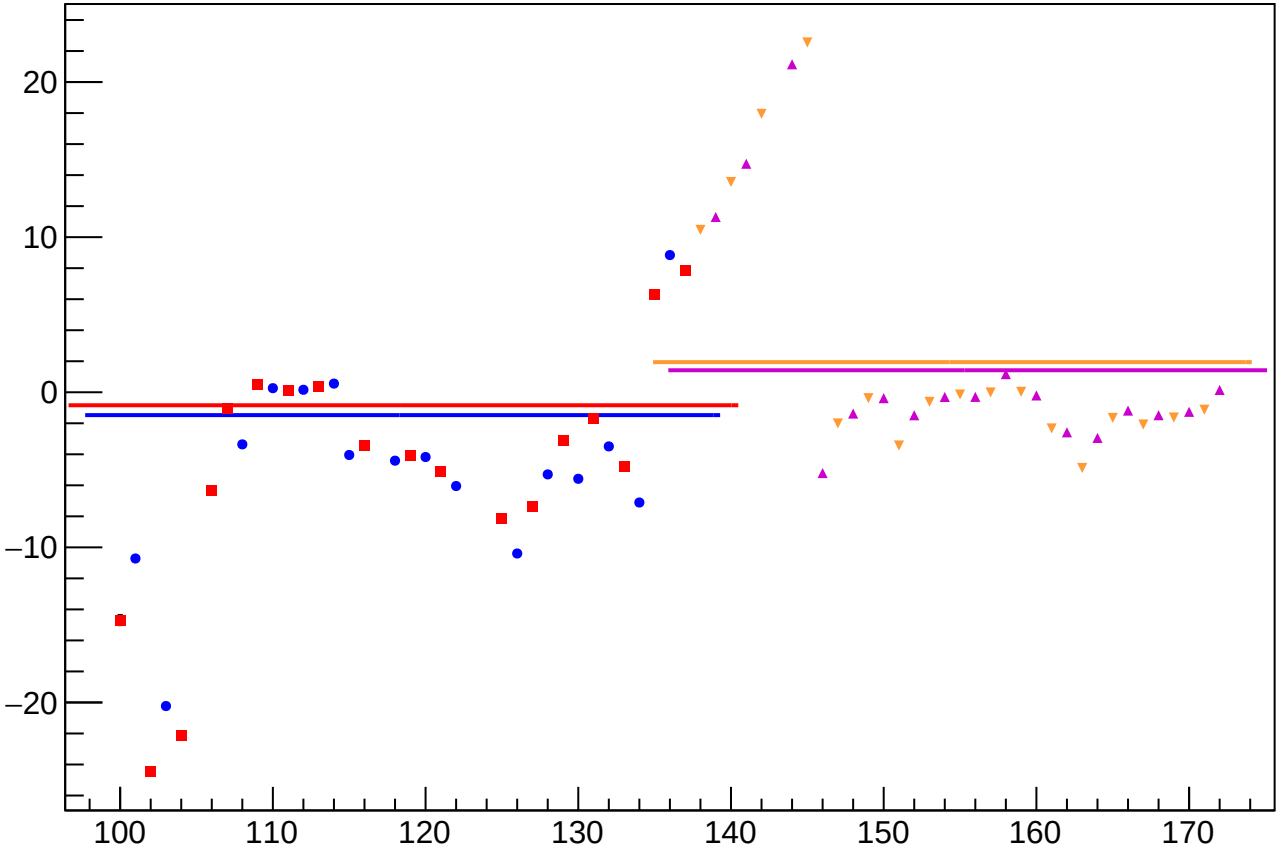
Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.112+/-0.002 χ^2/NDF:17501.2/32

Out: -0.120+/-0.002 χ^2/NDF:17427.9/34

All: -0.115+/-0.001 χ^2/NDF: 34939.4/67

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: 1.942+/-0.020 χ^2/NDF:114372.6/16

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 1.418+/-0.017 χ^2/NDF:119514.0/16

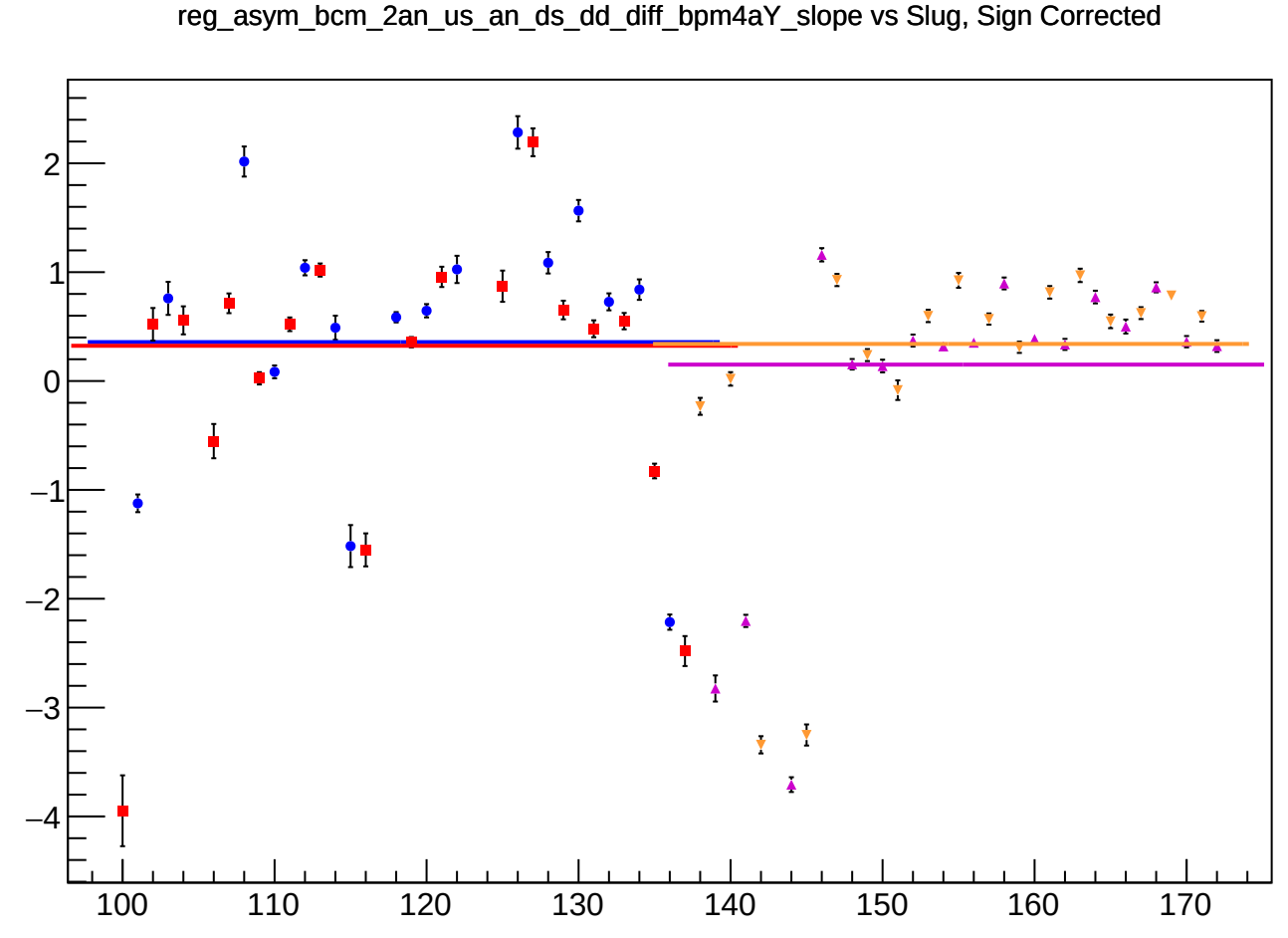
Left: 1.643+/-0.013 χ^2/NDF: 234276.2/33

Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.080+/-0.013 χ^2/NDF:206029.5/32

Out: 0.246+/-0.013 χ^2/NDF:204120.8/34

All: 0.165+/-0.009 χ^2/NDF: 410237.4/67



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.341+/-0.014 χ^2/NDF:4190.2/16

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: 0.232+/-0.009 χ^2/NDF: 10864.8/33

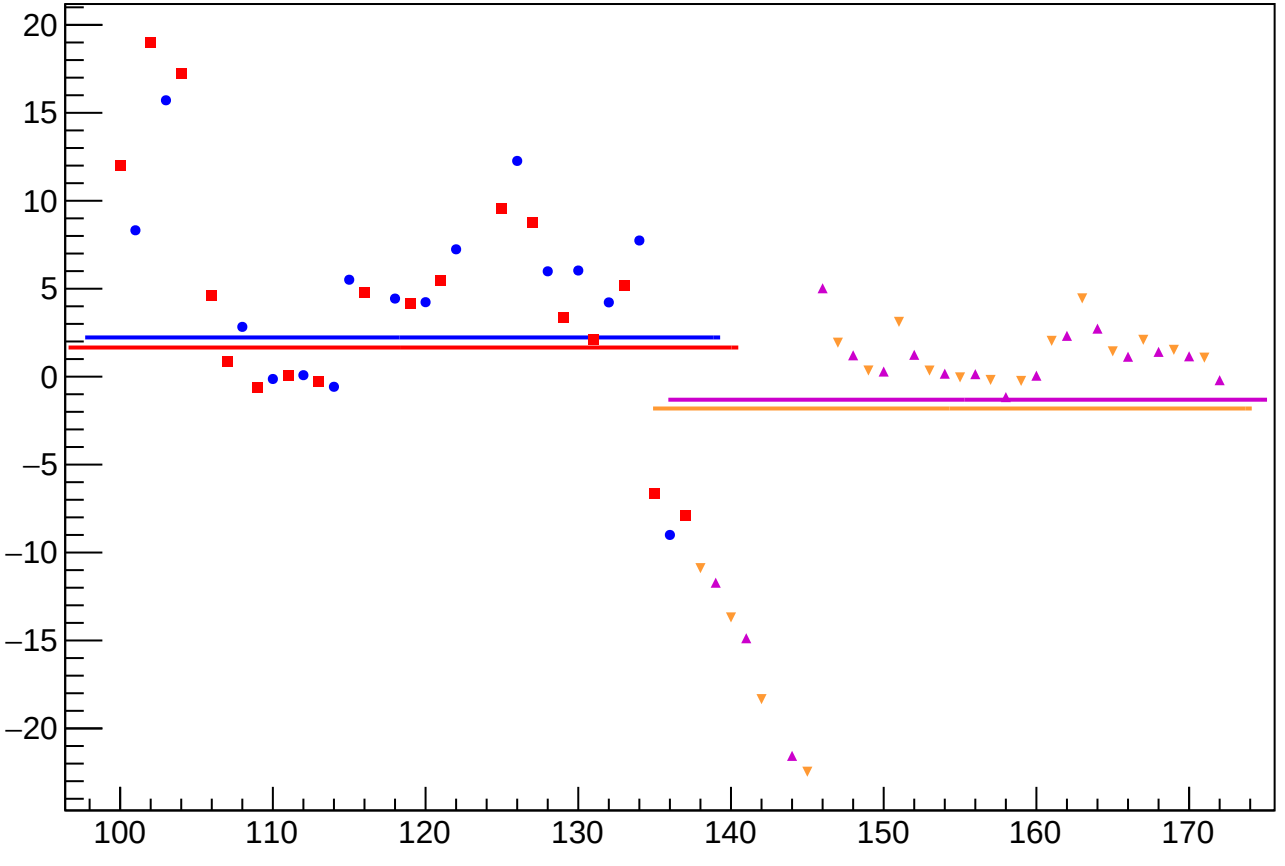
Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.207+/-0.011 χ^2/NDF:9192.8/32

Out: 0.335+/-0.012 χ^2/NDF:5749.6/34

All: 0.265+/-0.008 χ^2/NDF: 15007.7/67

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: -1.810+/-0.020 χ^2/NDF:110538.3/16

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: -1.523+/-0.013 χ^2/NDF: 228031.9/33

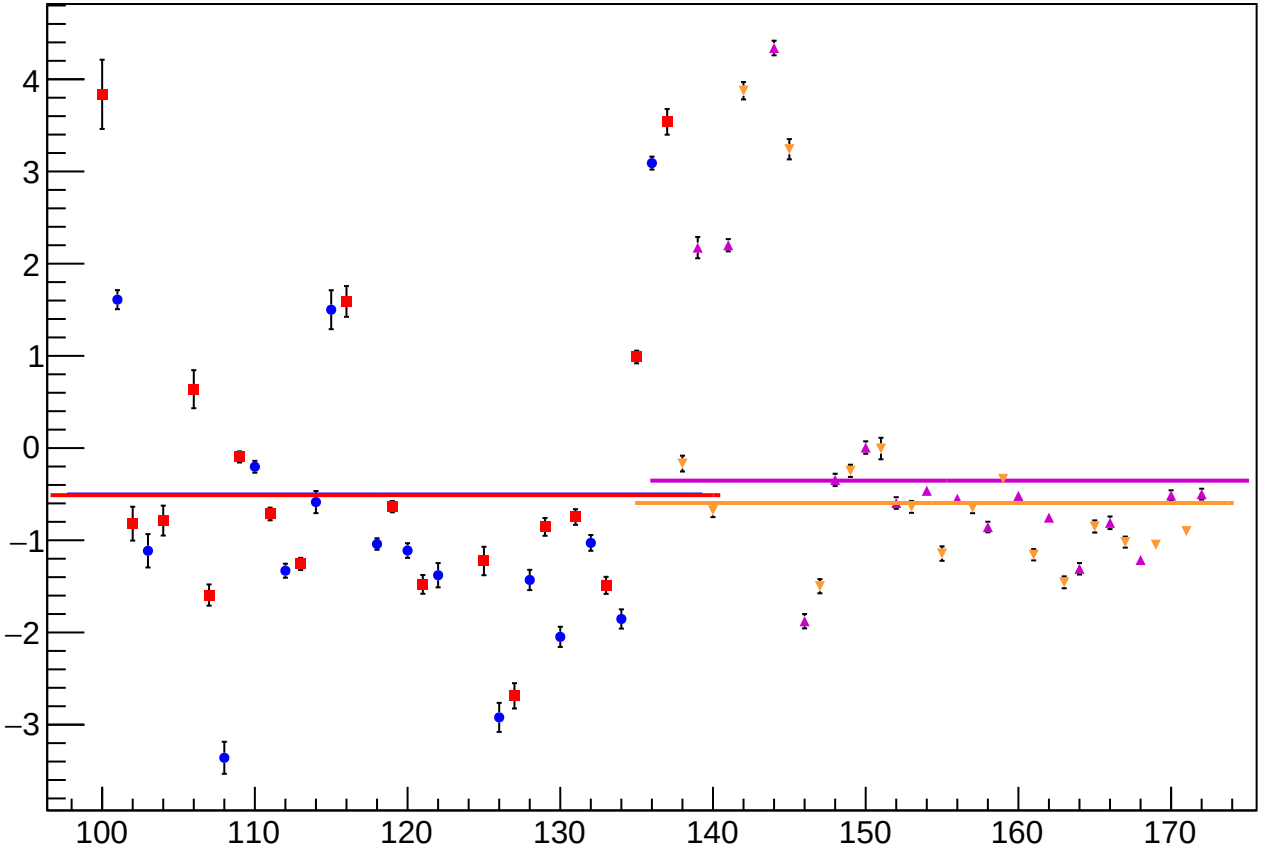
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -0.020+/-0.013 χ^2/NDF:202378.4/32

Out: -0.151+/-0.014 χ^2/NDF:198326.2/34

All: -0.082+/-0.010 χ^2/NDF: 400749.5/67

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: -0.595+/-0.016 χ^2/NDF:4185.1/16

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: -0.457+/-0.011 χ^2/NDF: 10905.4/33

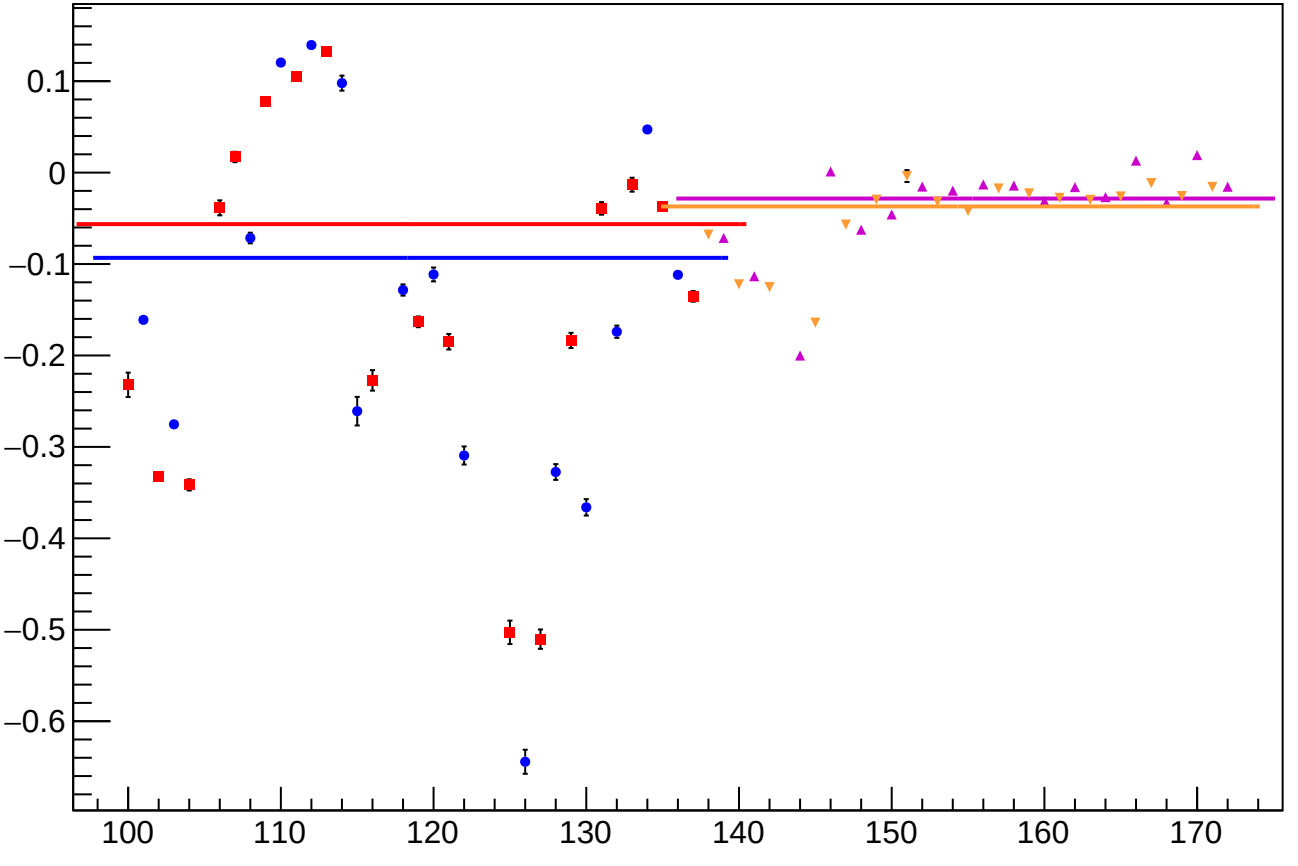
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.393+/-0.012 χ^2/NDF:11072.0/32

Out: -0.566+/-0.013 χ^2/NDF:6618.5/34

All: -0.472+/-0.009 χ^2/NDF: 17783.3/67

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: -0.037+/-0.001 χ^2/NDF:2239.7/16

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: -0.032+/-0.000 χ^2/NDF: 5913.8/33

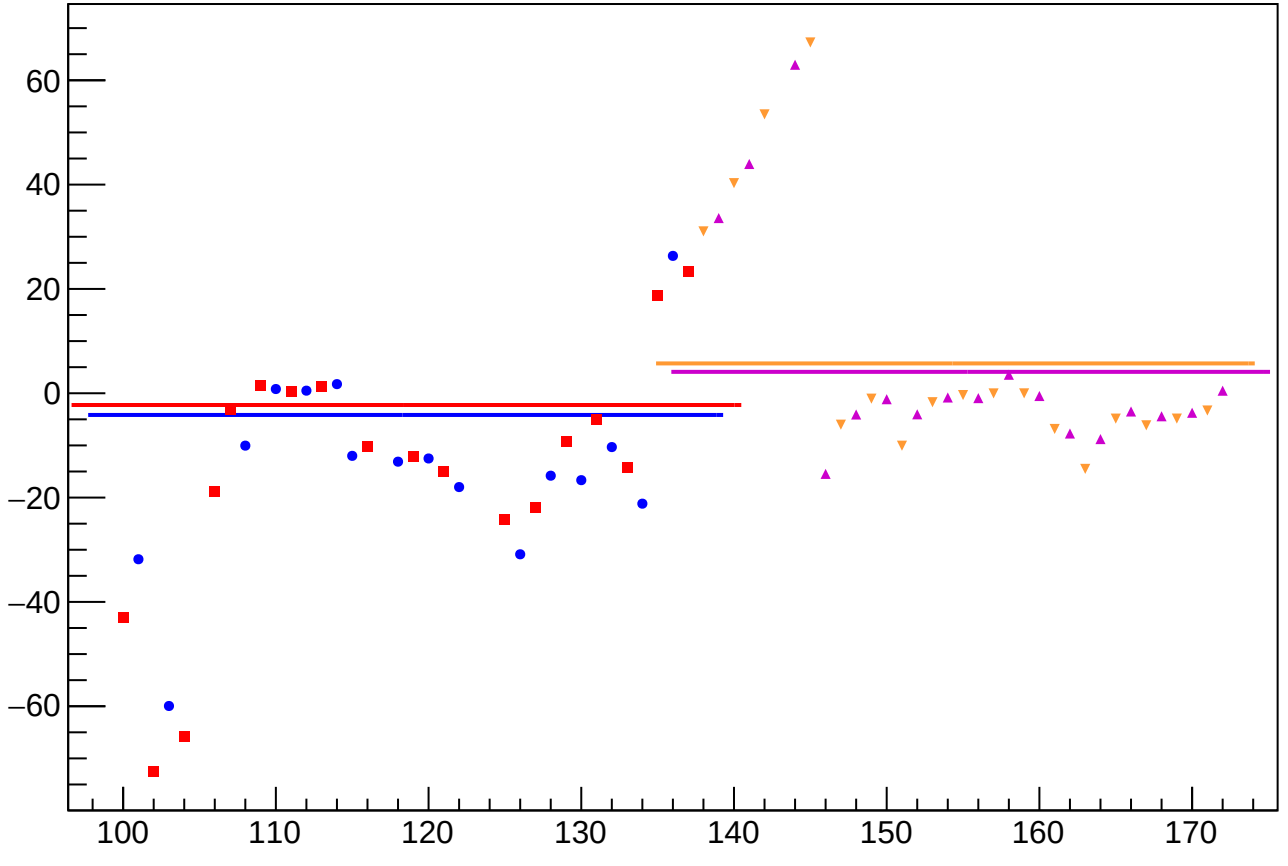
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.038+/-0.001 χ^2/NDF:17110.4/32

Out: -0.041+/-0.001 χ^2/NDF:16866.2/34

All: -0.040+/-0.000 χ^2/NDF: 33990.4/67

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.159+/-0.054 χ^2/NDF: 75420.4/15

Left Out: 5.720+/-0.059 χ^2/NDF:116378.3/16

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: 4.792+/-0.038 χ^2/NDF: 238938.0/33

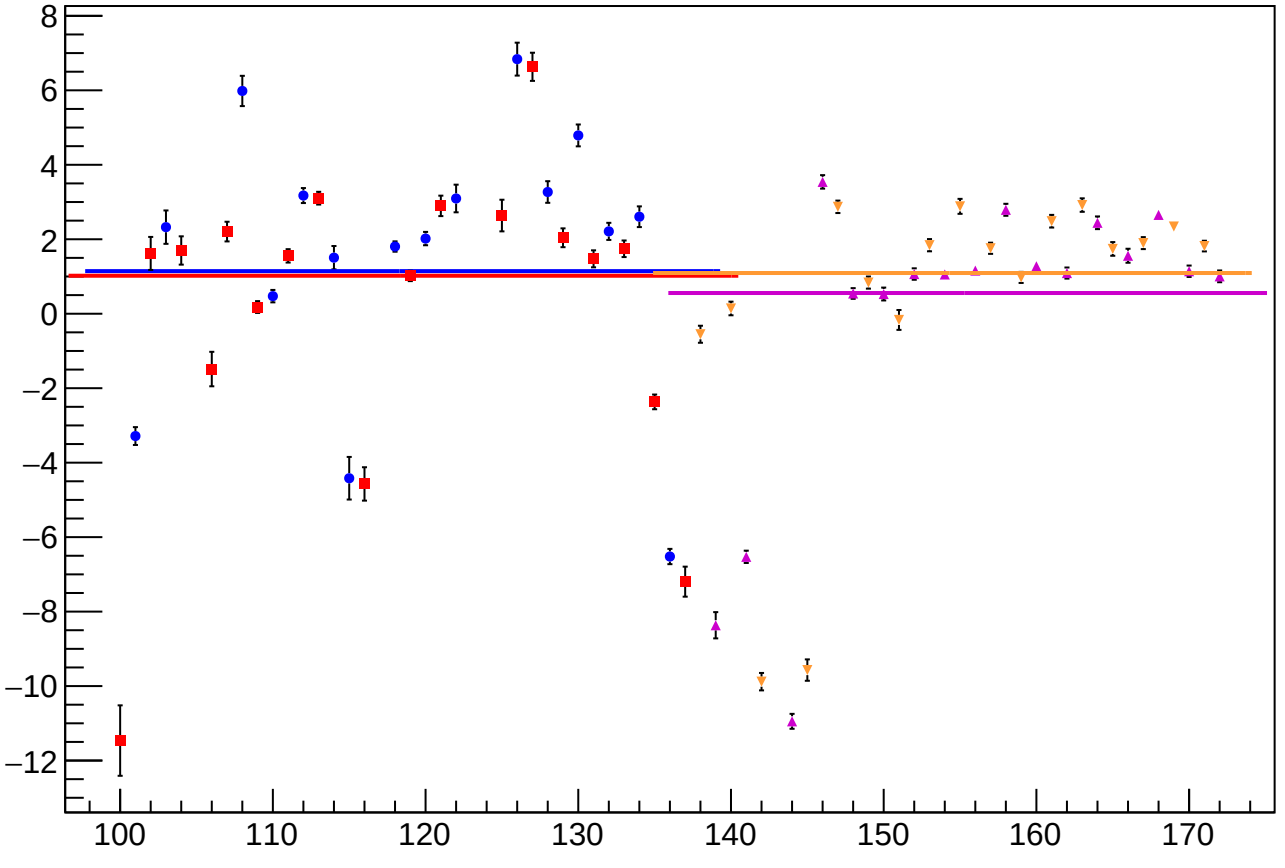
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 0.269+/-0.037 χ^2/NDF:209917.3/32

Out: 0.778+/-0.036 χ^2/NDF:207445.8/34

All: 0.529+/-0.026 χ^2/NDF: 417460.0/67

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: 1.094+/-0.042 χ^2/NDF:4228.7/16

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.556+/-0.036 χ^2/NDF:6748.2/16

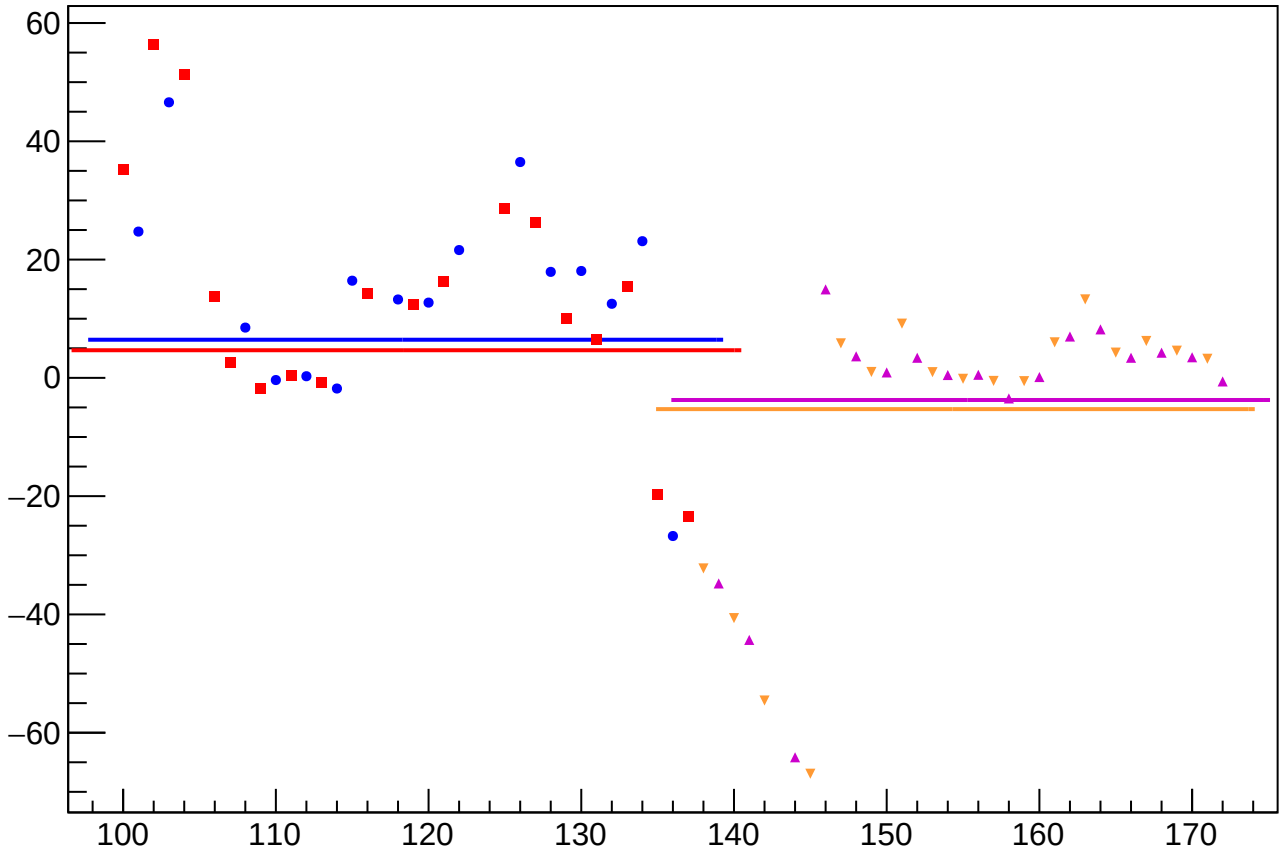
Left: 0.785+/-0.028 χ^2/NDF: 11068.9/33

Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.715+/-0.031 χ^2/NDF:9413.3/32

Out: 1.068+/-0.034 χ^2/NDF:5820.9/34

All: 0.876+/-0.023 χ^2/NDF: 15292.6/67



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -5.286+/-0.057 χ^2/NDF:112459.1/16

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: -4.393+/-0.037 χ^2/NDF: 232495.0/33

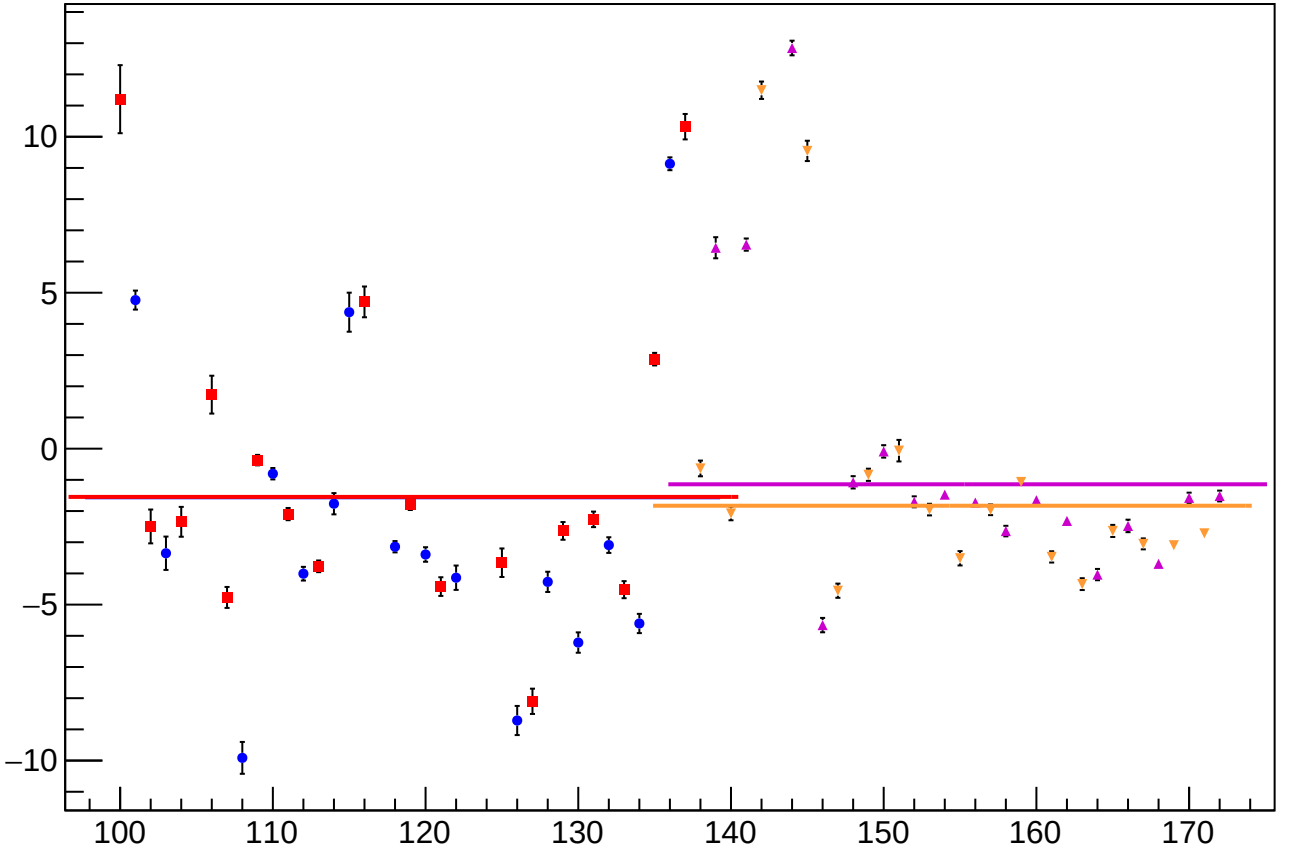
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: -0.041+/-0.039 χ^2/NDF:206135.9/32

Out: -0.447+/-0.041 χ^2/NDF:201513.6/34

All: -0.234+/-0.028 χ^2/NDF: 407700.7/67

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: -1.830+/-0.048 χ^2/NDF:4220.5/16

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: -1.434+/-0.031 χ^2/NDF: 11096.8/33

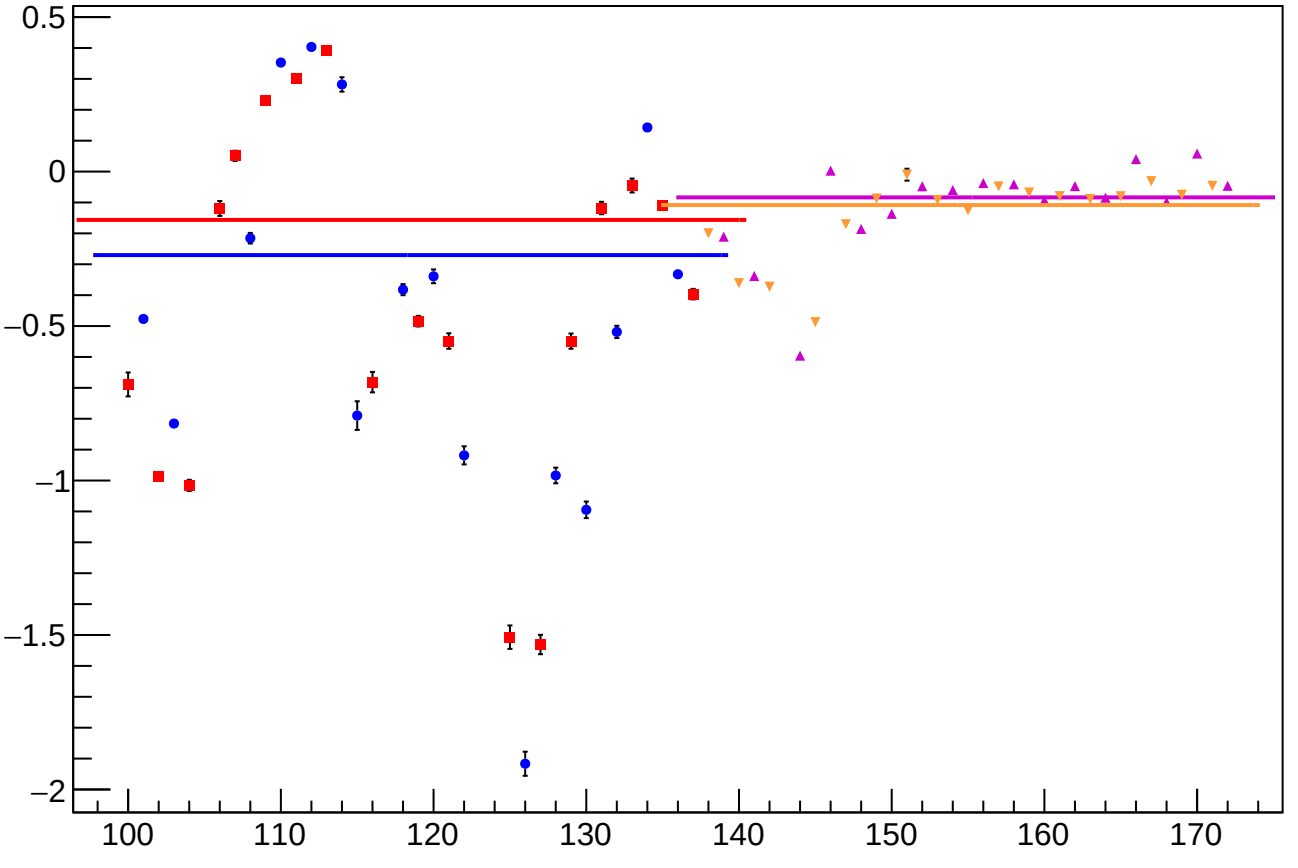
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -1.251+/-0.035 χ^2/NDF:11327.9/32

Out: -1.729+/-0.038 χ^2/NDF:6703.0/34

All: -1.470+/-0.026 χ^2/NDF: 18114.3/67

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: -0.108+/-0.002 χ^2/NDF:2286.0/16

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.084+/-0.002 χ^2/NDF:3675.1/16

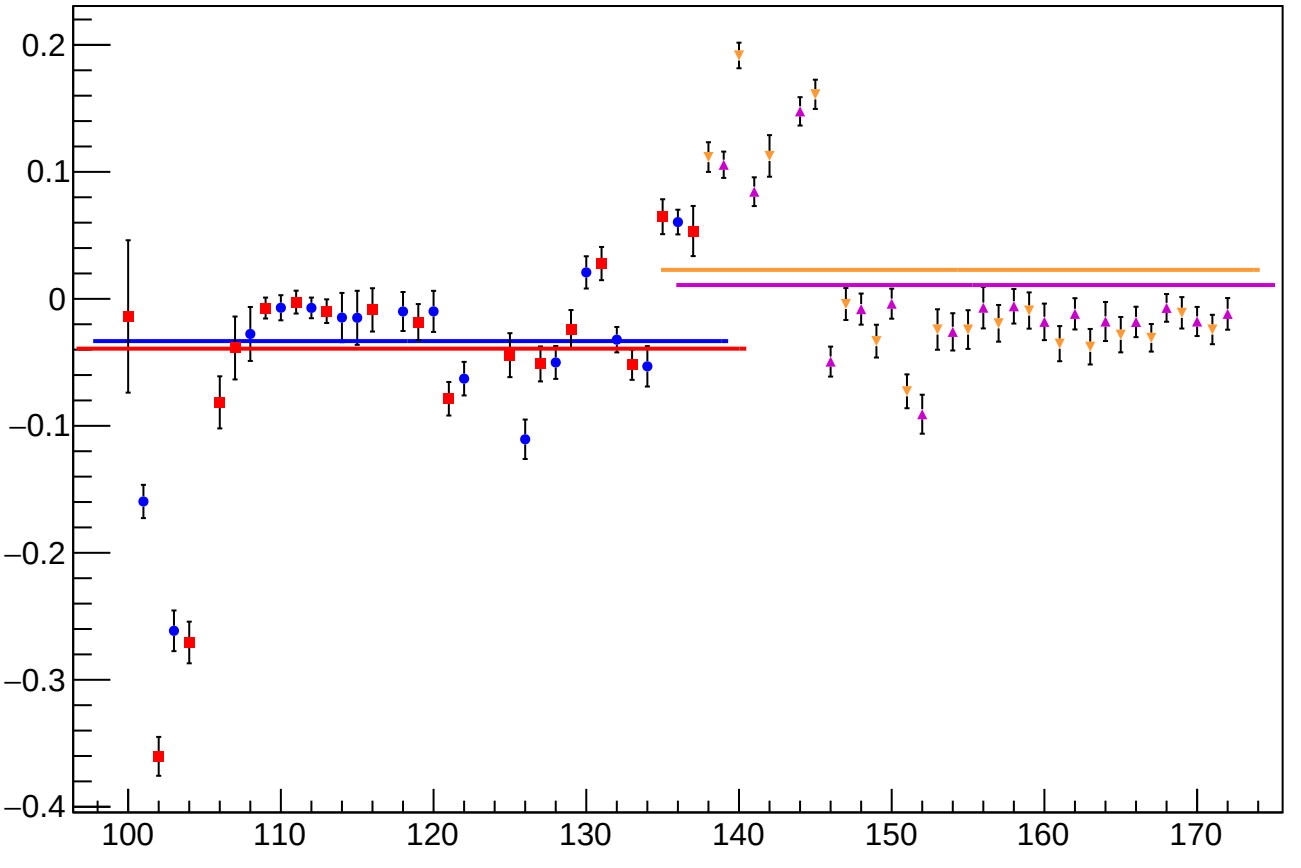
Left: -0.094+/-0.001 χ^2/NDF: 6044.2/33

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.112+/-0.002 χ^2/NDF:17501.5/32

Out: -0.120+/-0.002 χ^2/NDF:17439.6/34

All: -0.115+/-0.001 χ^2/NDF: 34951.0/67



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.023+/-0.003 χ^2/NDF:717.7/16

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: 0.017+/-0.002 χ^2/NDF: 1113.0/33

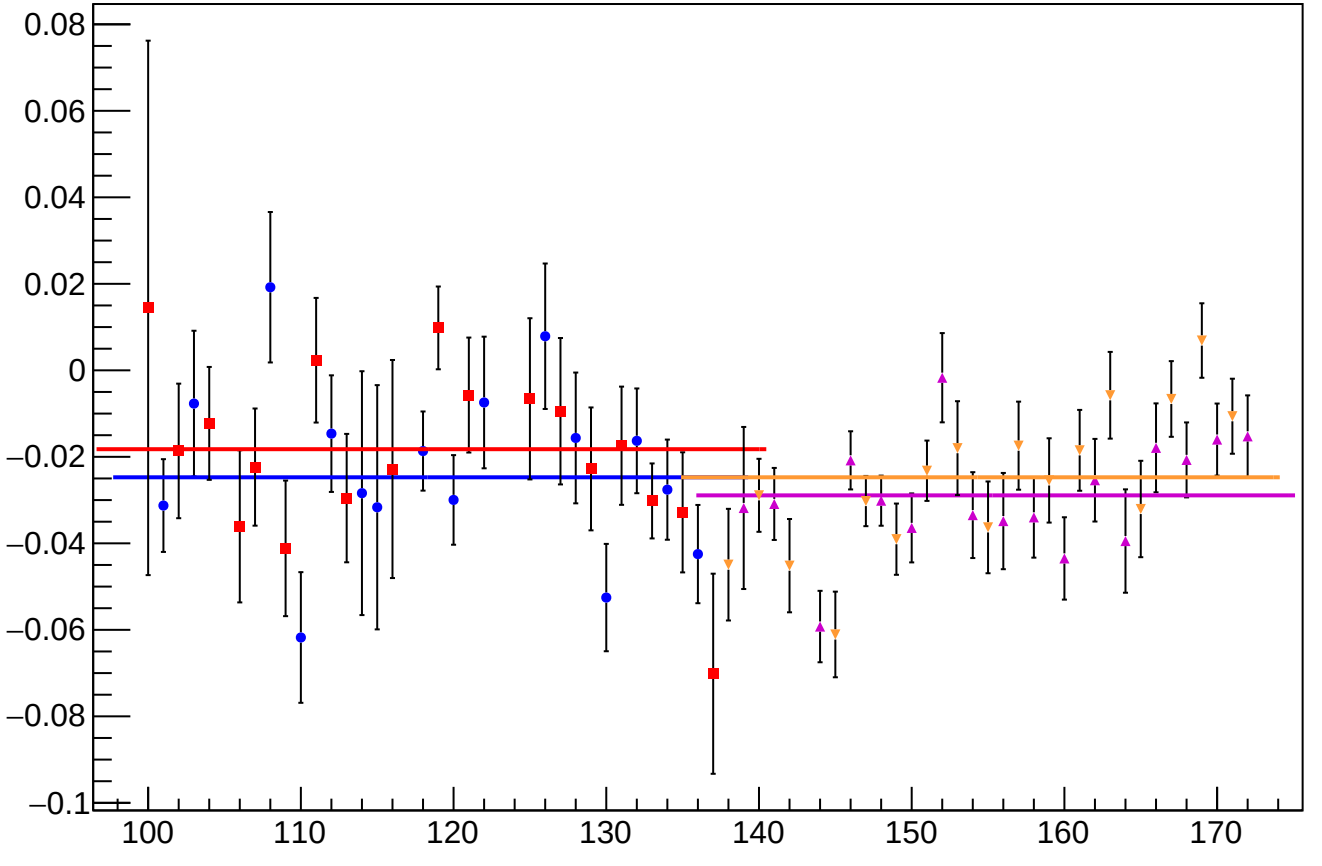
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.010+/-0.002 χ^2/NDF:951.2/32

Out: -0.008+/-0.002 χ^2/NDF:1718.8/34

All: -0.009+/-0.002 χ^2/NDF: 2670.4/67

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:50.7/16

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.029+/-0.002 χ^2/NDF:33.5/16

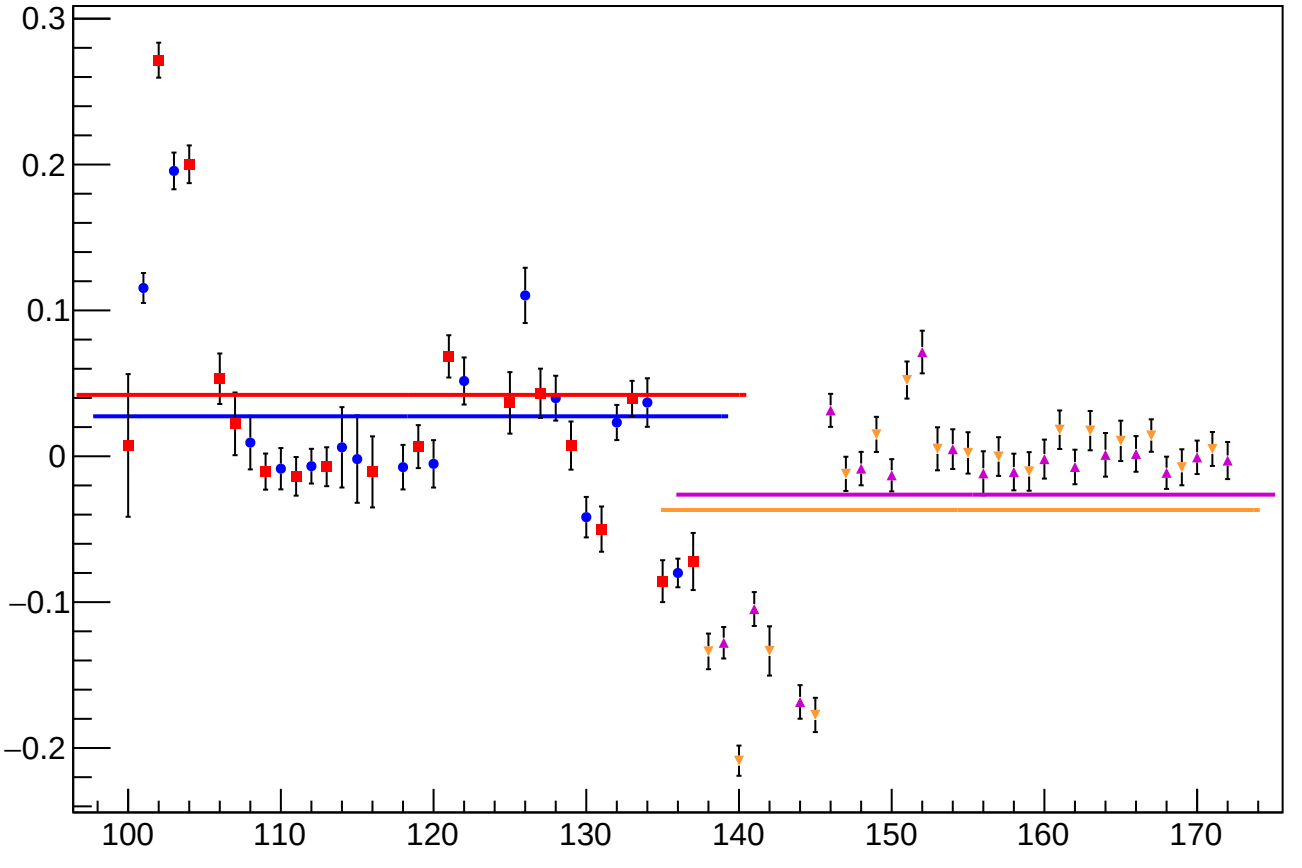
Left: -0.027+/-0.002 χ^2/NDF: 86.0/33

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:78.0/34

All: -0.025+/-0.001 χ^2/NDF: 144.7/67



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.037+/-0.003 χ^2/NDF:698.6/16

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.026+/-0.003 χ^2/NDF:393.8/16

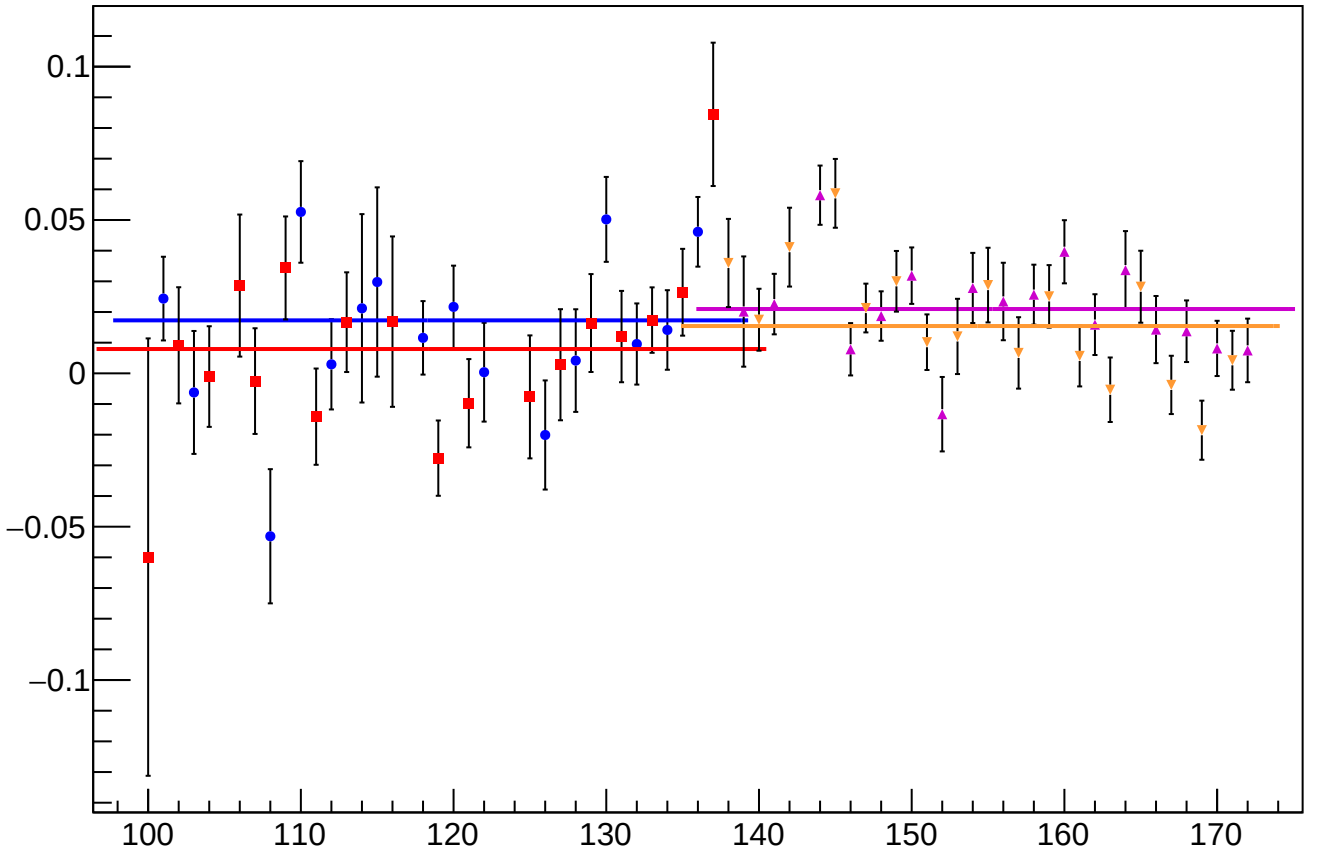
Left: -0.031+/-0.002 χ^2/NDF: 1098.5/33

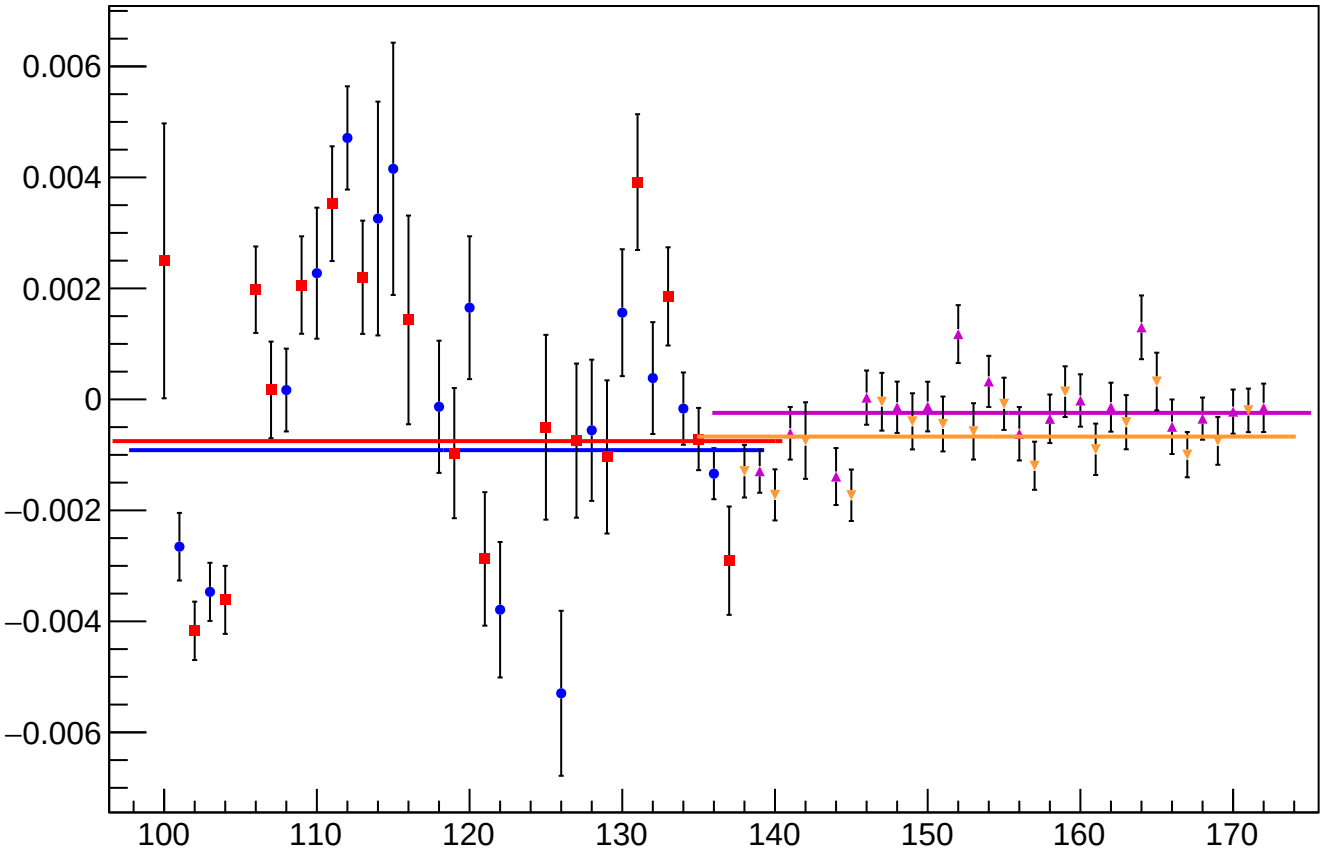
Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.004+/-0.002 χ^2/NDF:973.7/32

Out: -0.004+/-0.002 χ^2/NDF:1707.1/34

All: -0.004+/-0.002 χ^2/NDF: 2680.8/67


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
Right In: 0.017+/-0.004 χ²/NDF: 36.7/15
Left Out: 0.015+/-0.003 χ²/NDF:50.7/16
Right Out: 0.008+/-0.004 χ²/NDF: 31.4/17
Left In: 0.021+/-0.002 χ²/NDF:36.4/16
Left: 0.018+/-0.002 χ²/NDF: 89.6/33
Right: 0.013+/-0.003 χ²/NDF: 71.0/33
In: 0.020+/-0.002 χ²/NDF:73.7/32
Out: 0.013+/-0.002 χ²/NDF:84.7/34
All: 0.017+/-0.001 χ²/NDF: 163.4/67



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:26.6/16

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: 64.6/33

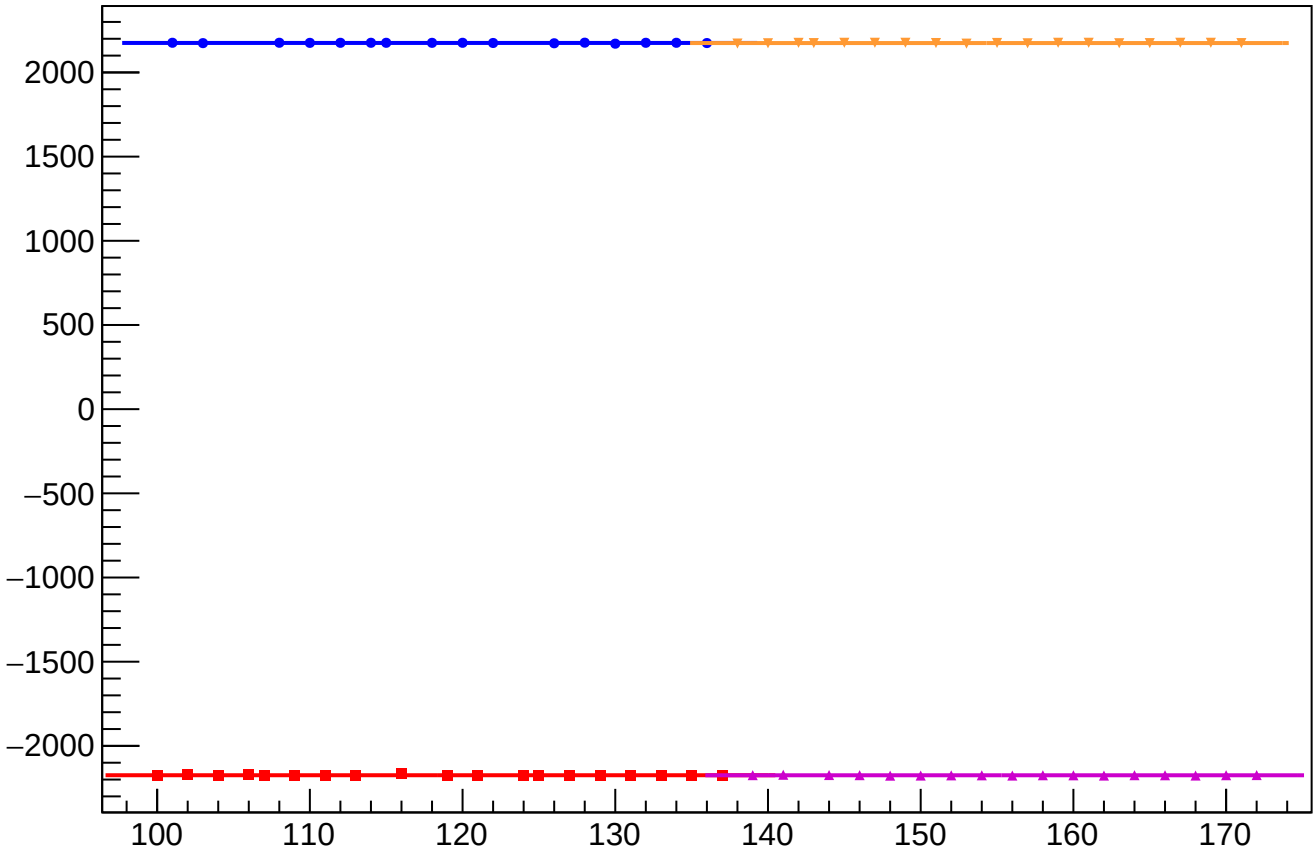
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.000+/-0.000 χ^2/NDF:152.8/32

Out: -0.001+/-0.000 χ^2/NDF:174.3/34

All: -0.001+/-0.000 χ^2/NDF: 331.7/67

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.592+/-0.000 χ^2/NDF:39330773784333714132018818376007 68.0/17

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

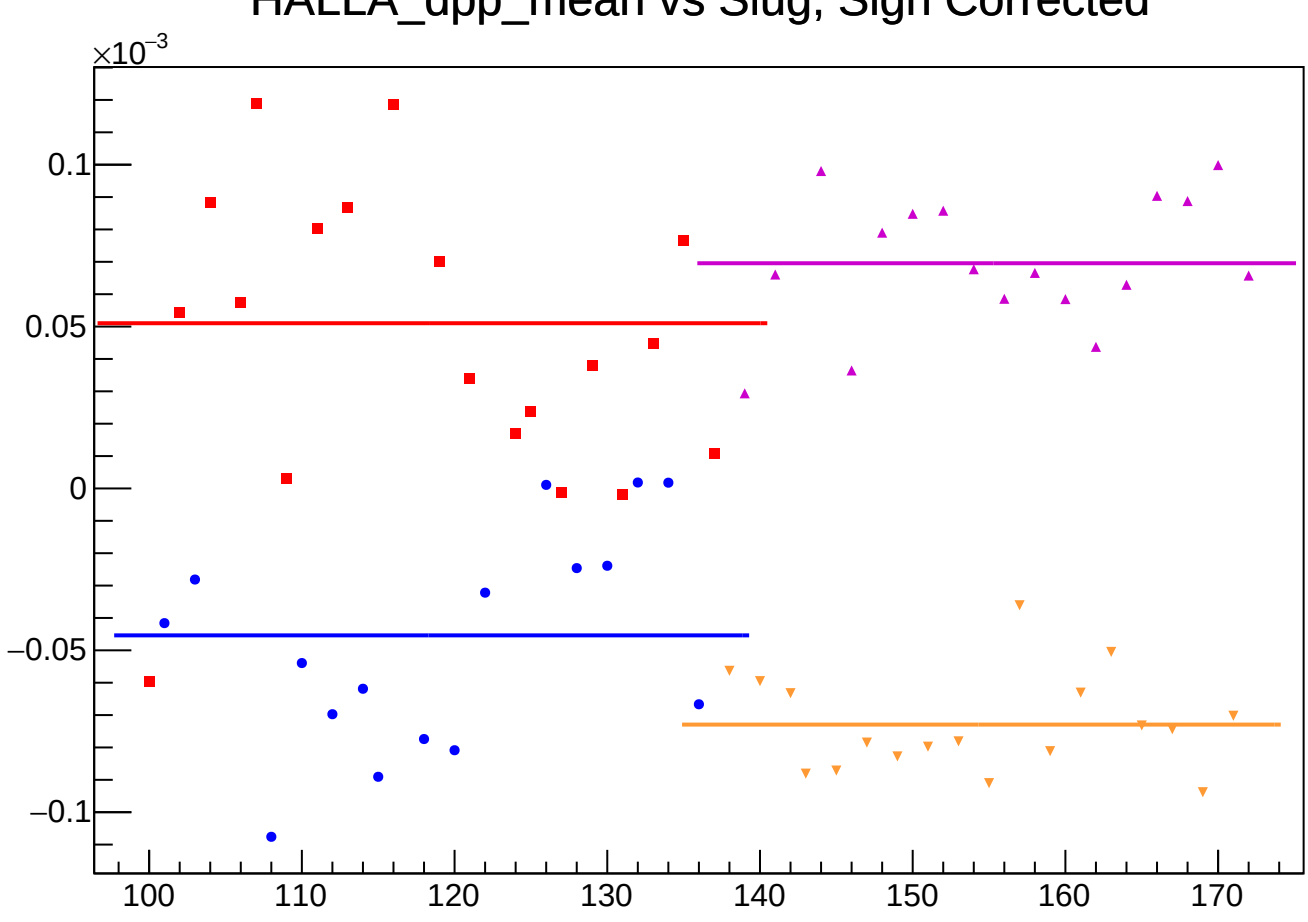
Left: 21.431+/-0.000 χ^2/NDF: 139156291428531 93

Right: -31.373+/-0.000 χ^2/NDF: 71117910490761 11

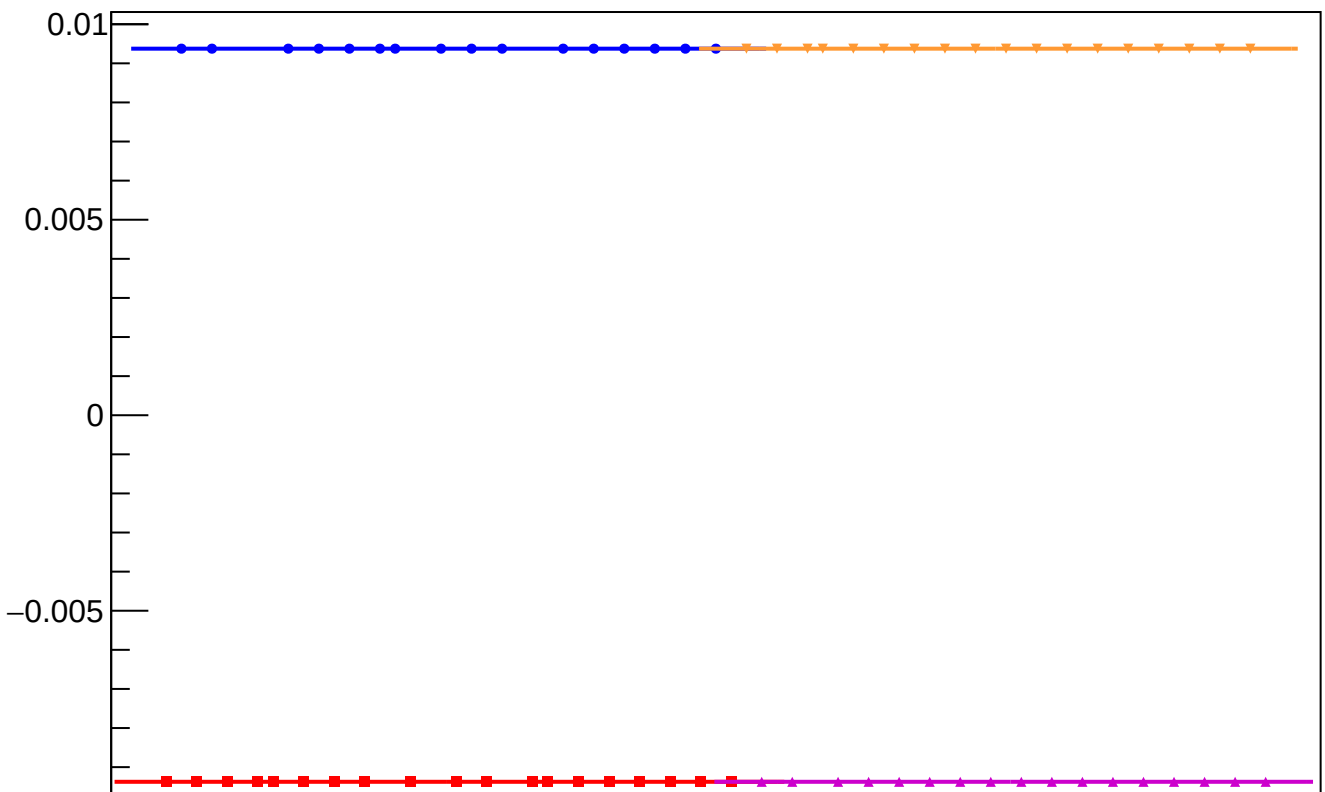
In: -708.166+/-0.000 χ^2/NDF:92936528843255 29

Out: 699.171+/-0.000 χ^2/NDF:95349039587937 45

All: 3.572+/-0.000 χ^2/NDF: 21030195437158


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:335693110548985431457792.0/17
Right Out: 0.000+/-0.000 χ²/NDF: 10119559107206471011532800.0/18
Left In: 0.000+/-0.000 χ²/NDF:58557127630382193180672 0.0/16
Left: -0.000+/-0.000 χ²/NDF: 15859715918475743
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: 0.000+/-0.000 χ²/NDF:778768153476598574
Out: -0.000+/-0.000 χ²/NDF:90958592842342829
All: -0.000+/-0.000 χ²/NDF: 2111400663558

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:0.0/17

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/16

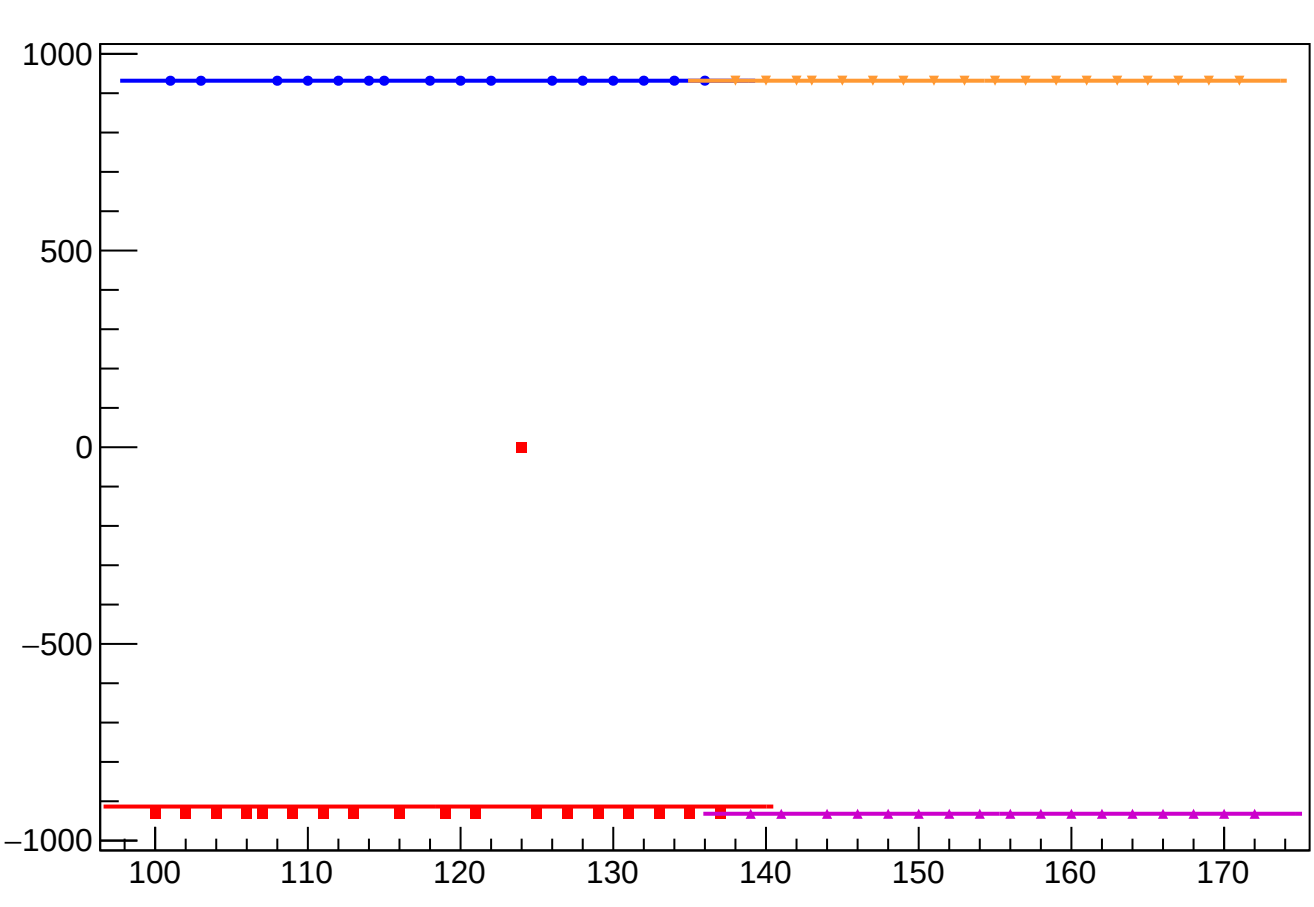
Left: 0.000+/-0.000 χ^2/NDF: 258636993501528234

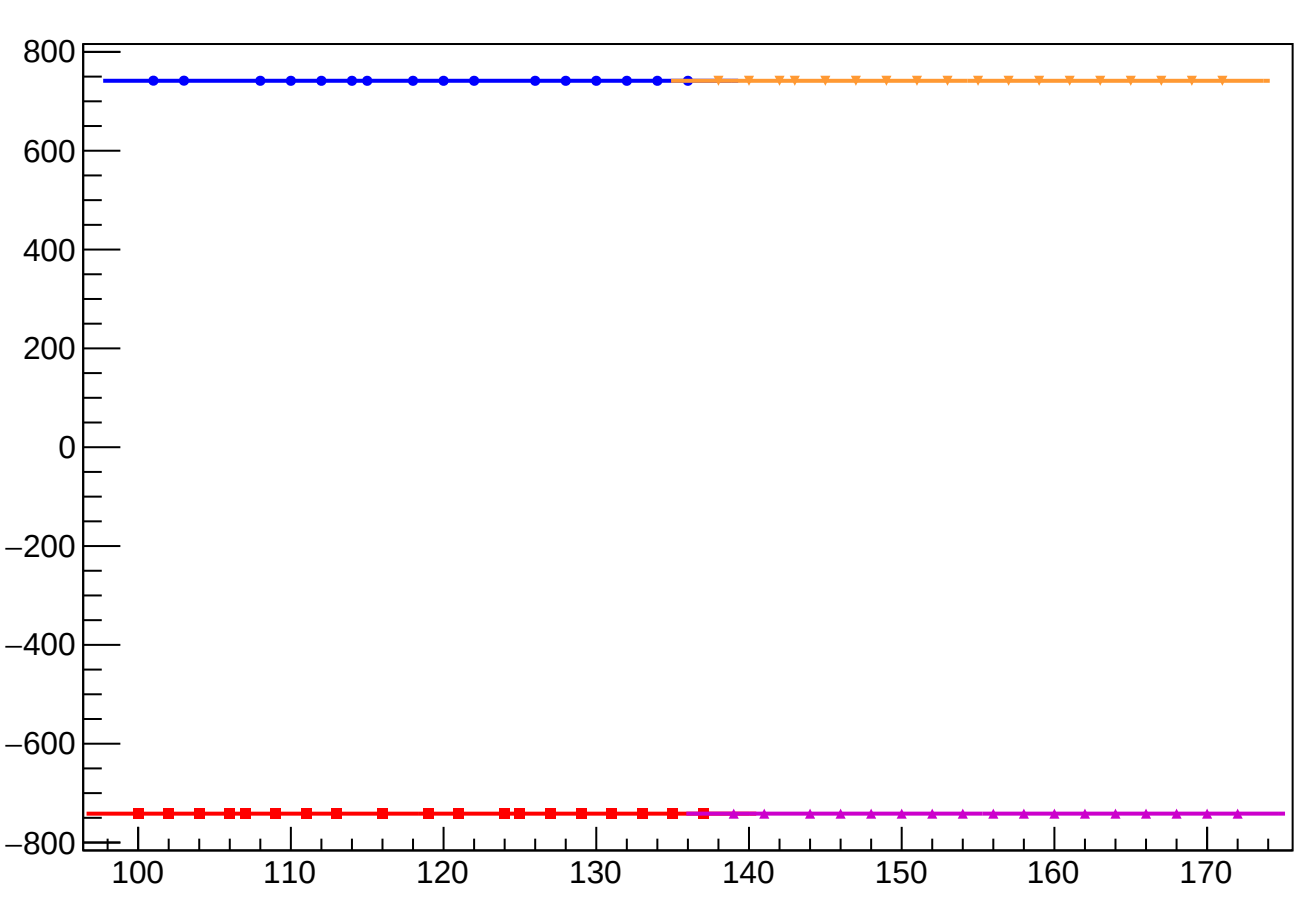
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:172684205101227976

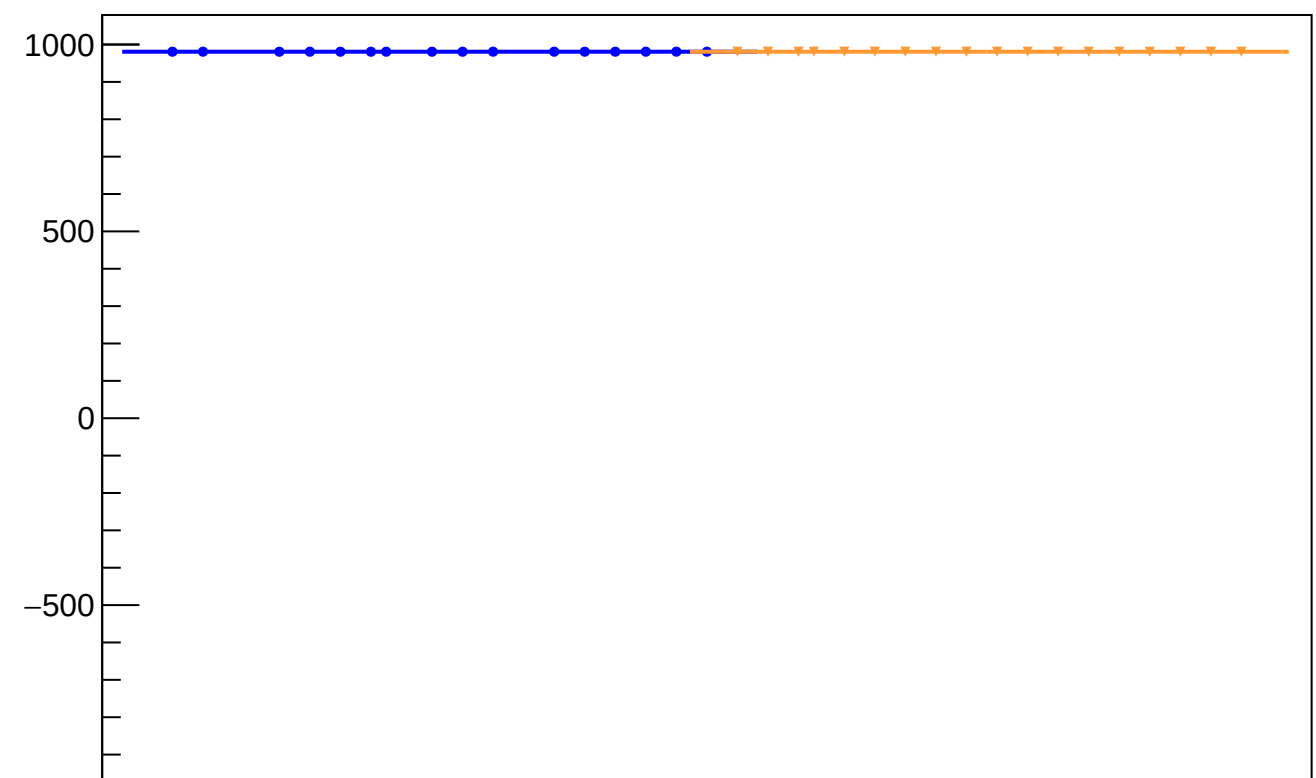
Out: 0.003+/-0.000 χ^2/NDF:177237834871053412

All: 0.000+/-0.000 χ^2/NDF: 3908486409377


HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: 931.769+/-0.000 χ²/NDF: 2757217223595001187167685836800.0/15
Left Out: 931.784+/-0.000 χ²/NDF:41692174466200548006264003624 96.0/17
Right Out: -913.447+/-0.000 χ²/NDF: 12765879635094435683491886518824337408.0/18
Left In: -931.775+/-0.000 χ²/NDF:369843816619254697248320336 6912.0/16
Left: 9.186+/-0.000 χ²/NDF: 255490231325202266
Right: -4.335+/-0.000 χ²/NDF: 1292705120140630
In: -303.528+/-0.000 χ²/NDF:1705804346717369
Out: 305.768+/-0.000 χ²/NDF:1729311942471011
All: 4.614+/-0.000 χ²/NDF: 38477893989422


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: 741.514+/-0.000 χ²/NDF:19240304483945126095105713766 4.0/17
Right Out: -741.577+/-0.000 χ²/NDF: 769226394789261471153747761561 6.0/18
Left In: -741.513+/-0.000 χ²/NDF:18029564319067898583047366246 4.0/16
Left: 7.307+/-0.000 χ²/NDF: 161802888236245193
Right: -10.851+/-0.000 χ²/NDF: 826918104240998
In: -241.530+/-0.000 χ²/NDF:1080389970989398
Out: 238.358+/-0.000 χ²/NDF:110889182131817
All: 1.166+/-0.000 χ²/NDF: 2445275176439

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560.0/15

Left Out: 980.769+/-0.000 χ^2/NDF:69595550908248029330477049446 4.0/17

Right Out: -980.725+/-0.000 χ^2/NDF: 560402056173583362216628762705 92.0/18

Left In: -980.776+/-0.000 χ^2/NDF:140160501647687688546703061811 2.0/16

Left: 9.661+/-0.000 χ^2/NDF: 283063925573081874

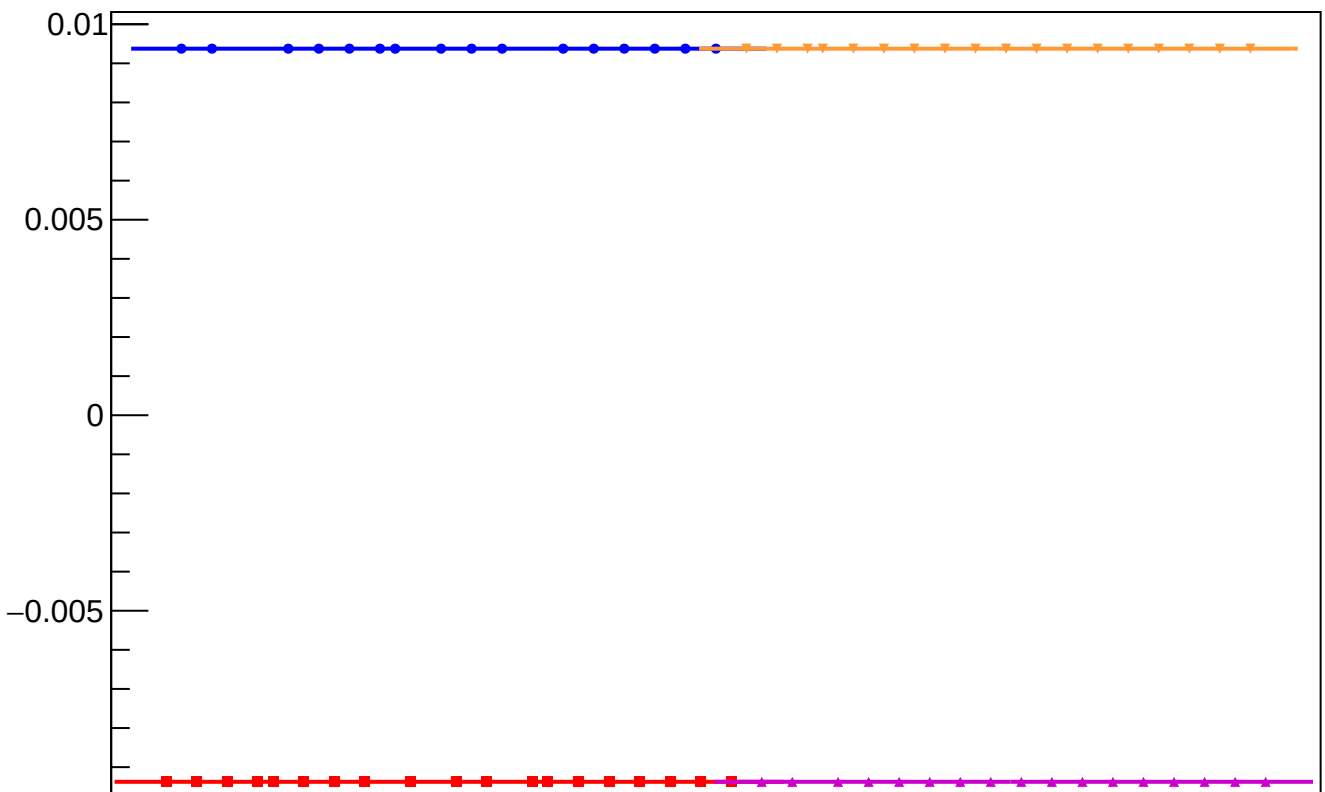
Right: -14.307+/-0.000 χ^2/NDF: 1446386008808569

In: -319.479+/-0.000 χ^2/NDF:1890000788050485

Out: 315.309+/-0.000 χ^2/NDF:1939669345871247

All: 1.555+/-0.000 χ^2/NDF: 427597036251 2

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:0.0/17

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: 258636993501528234

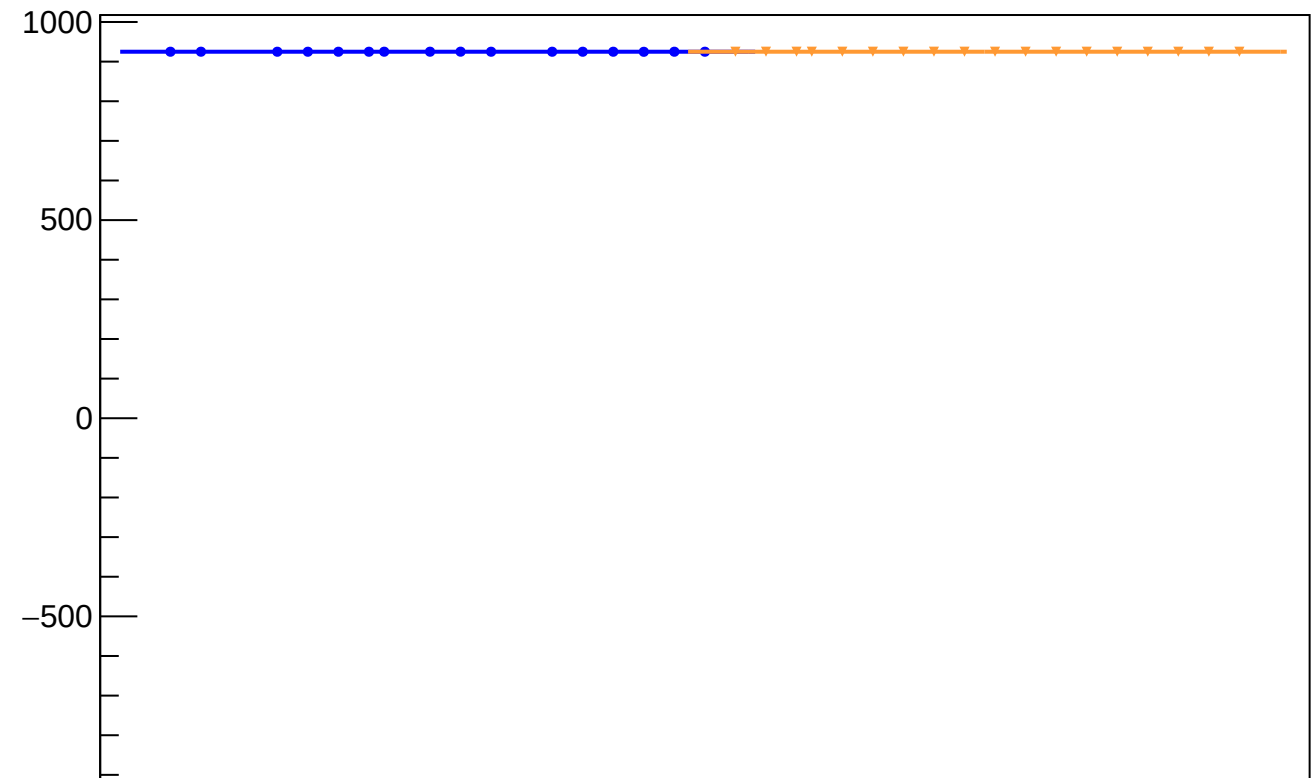
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:172684205101227976

Out: 0.003+/-0.000 χ^2/NDF:177237834871053412

All: 0.000+/-0.000 χ^2/NDF: 3908486409377

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.966+/-0.000 χ^2/NDF: 254437050808765880053303712153 6.0/15

Left Out: 924.985+/-0.000 χ^2/NDF:871852565448359559894008856576.0/17

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

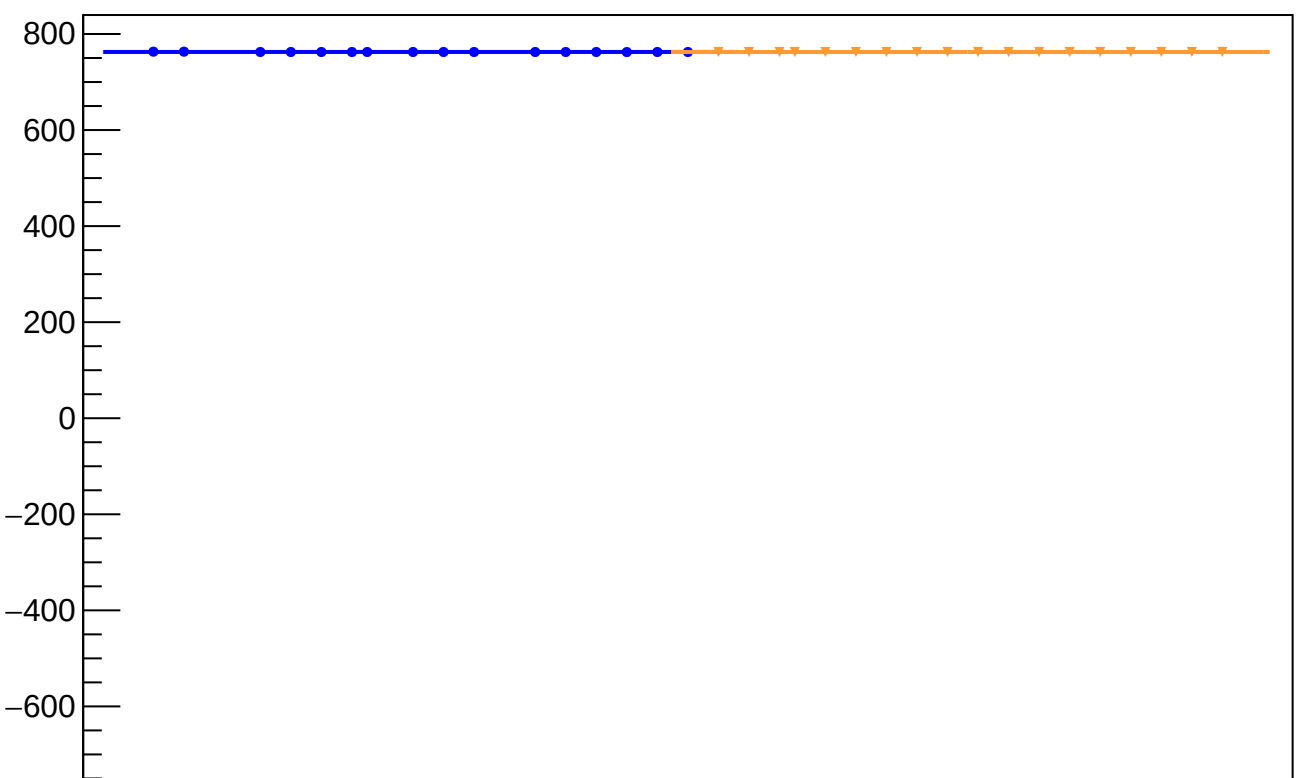
Left: 9.114+/-0.000 χ^2/NDF: 251778146522394515

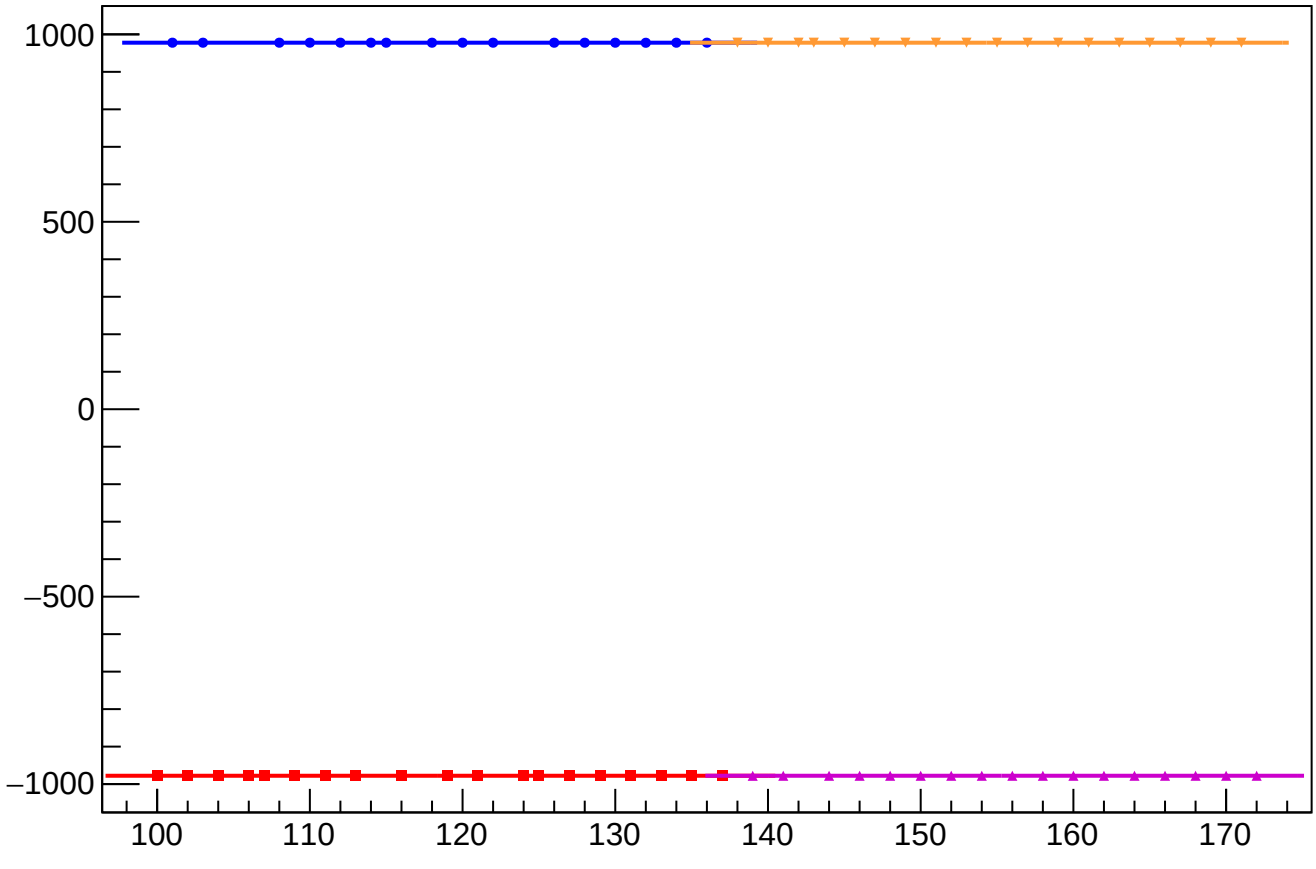
Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

In: -301.322+/-0.000 χ^2/NDF:168101393452093

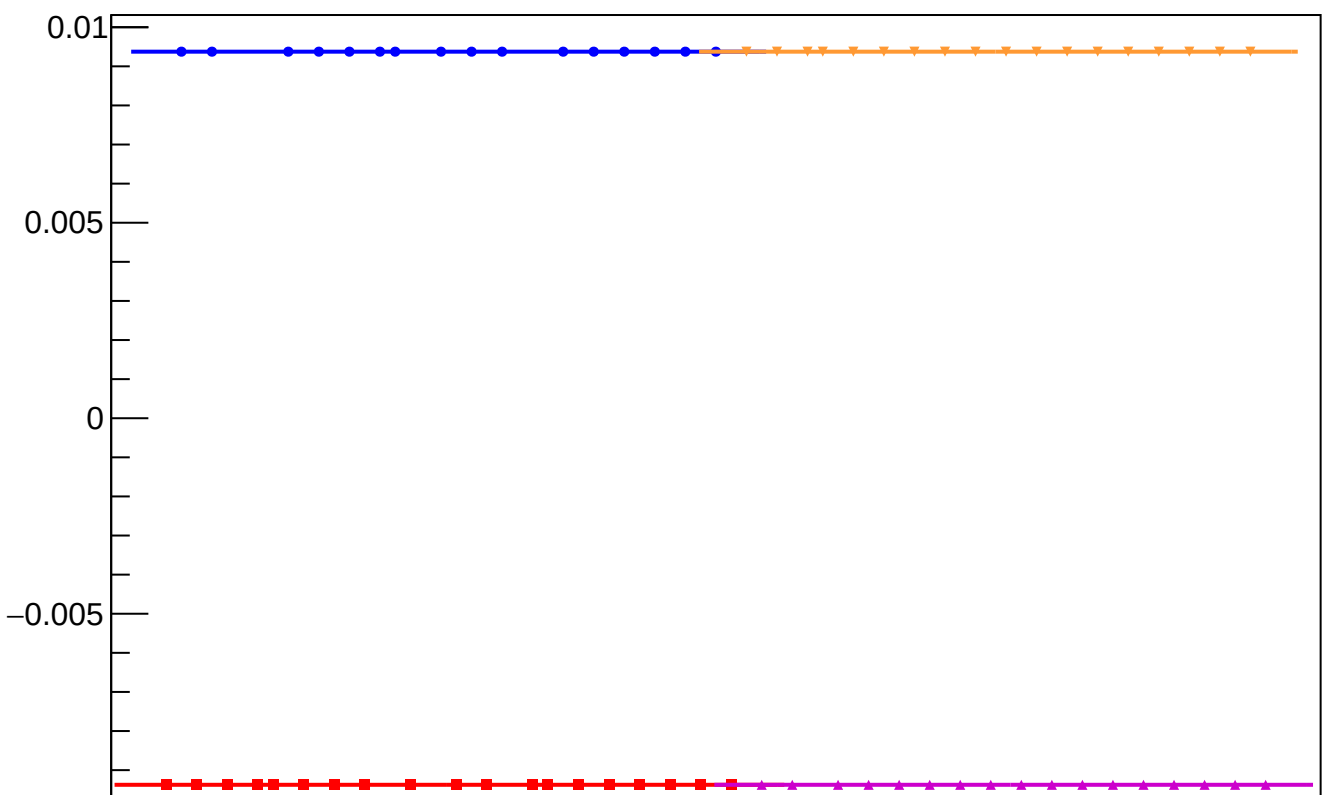
Out: 297.364+/-0.000 χ^2/NDF:172535310691992

All: 1.454+/-0.000 χ^2/NDF: 3804793560774


HacR_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: 762.611+/-0.000 χ²/NDF: 52161453489138778834460408283136.0/15
Left Out: 762.512+/-0.000 χ²/NDF:530223826580370314901554462720.0/17
Right Out: -762.618+/-0.000 χ²/NDF: 53134338532630395841297843748864.0/18
Left In: -762.513+/-0.000 χ²/NDF:48285518414946454245170216960 0.0/16
Left: 7.513+/-0.000 χ²/NDF: 171096859324681774
Right: -11.159+/-0.000 χ²/NDF: 8745102746392638
In: -248.356+/-0.000 χ²/NDF:1142510897782403
Out: 245.093+/-0.000 χ²/NDF:1172647680371704
All: 1.198+/-0.000 χ²/NDF: 2585825884293


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: 977.740+/-0.000 χ²/NDF:1117032498519404171026130534400.0/17
Right Out: -977.747+/-0.000 χ²/NDF: 178222687781691472632796623672.0/18
Left In: -977.736+/-0.000 χ²/NDF:10562631630202608059309453475840.0/16
Left: 9.636+/-0.000 χ²/NDF: 2813150907888603520
Right: -14.301+/-0.000 χ²/NDF: 1437503779831150
In: -318.494+/-0.000 χ²/NDF:1878275512224416
Out: 314.317+/-0.000 χ²/NDF:1927807579921505
All: 1.540+/-0.000 χ²/NDF: 42512250126517

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:0.0/17

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/16

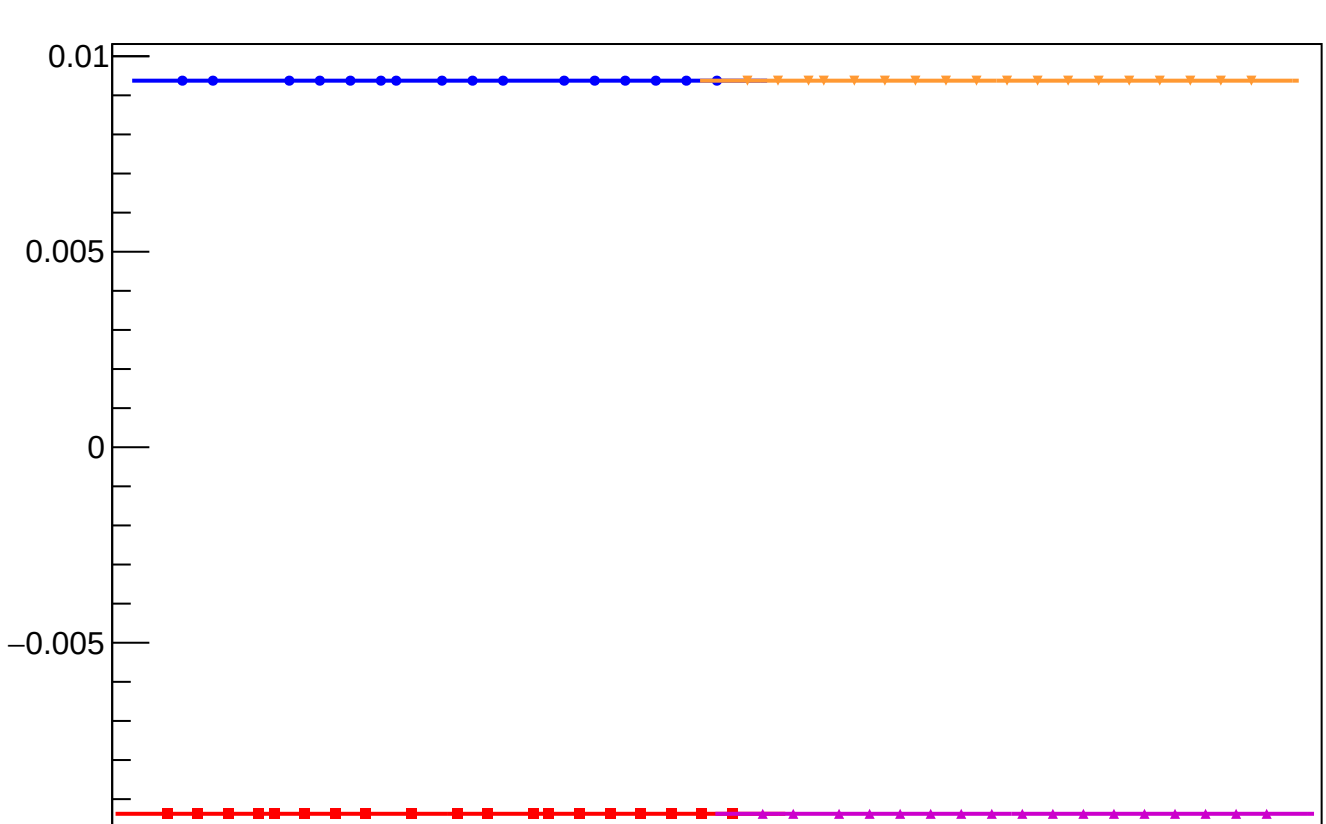
Left: 0.000+/-0.000 χ^2/NDF: 258636993501528234

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:177237834871053412

All: 0.000+/-0.000 χ^2/NDF: 3908486409377



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/17

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: 25863699350152823

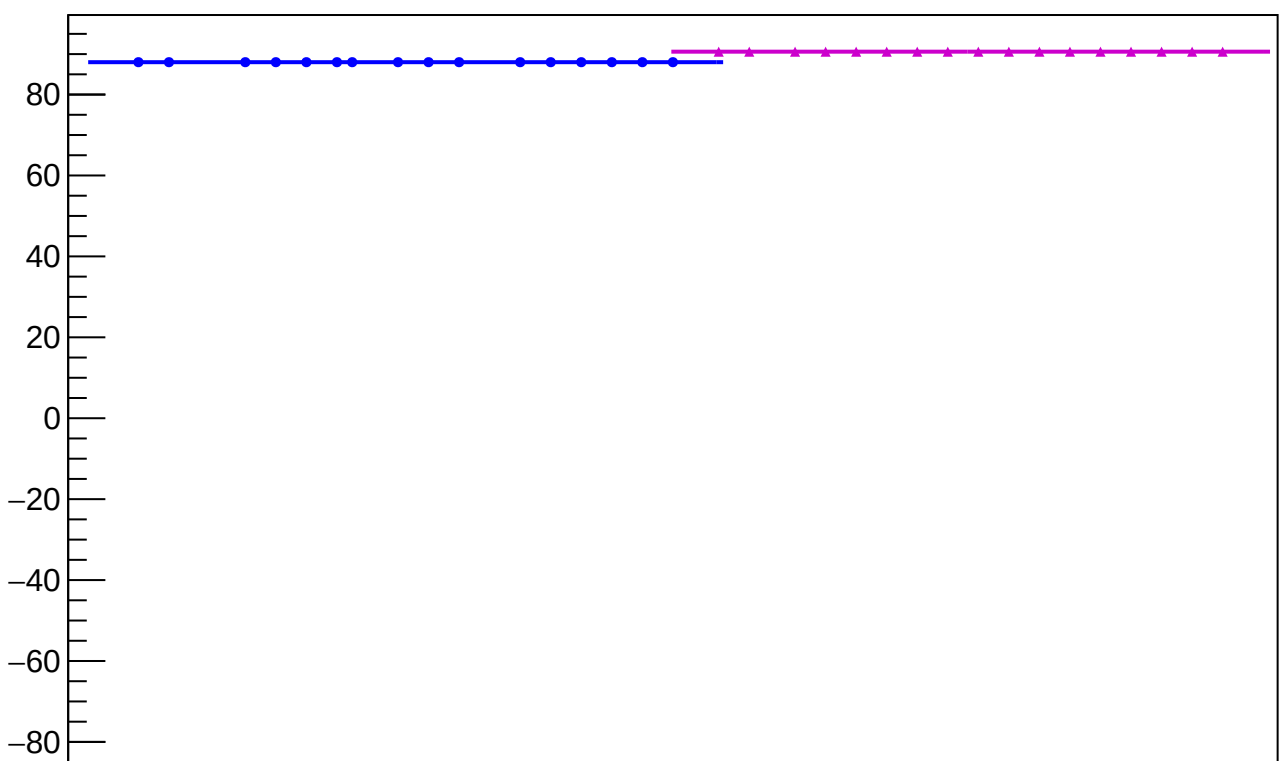
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:172684205101227976

Out: 0.003+/-0.000 χ^2/NDF:177237834871053412

All: 0.000+/-0.000 χ^2/NDF: 3908486409377

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:5409187.7/17

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:4636129.2/16

Left: -0.893+/-0.000 χ^2/NDF: 24154482917109956

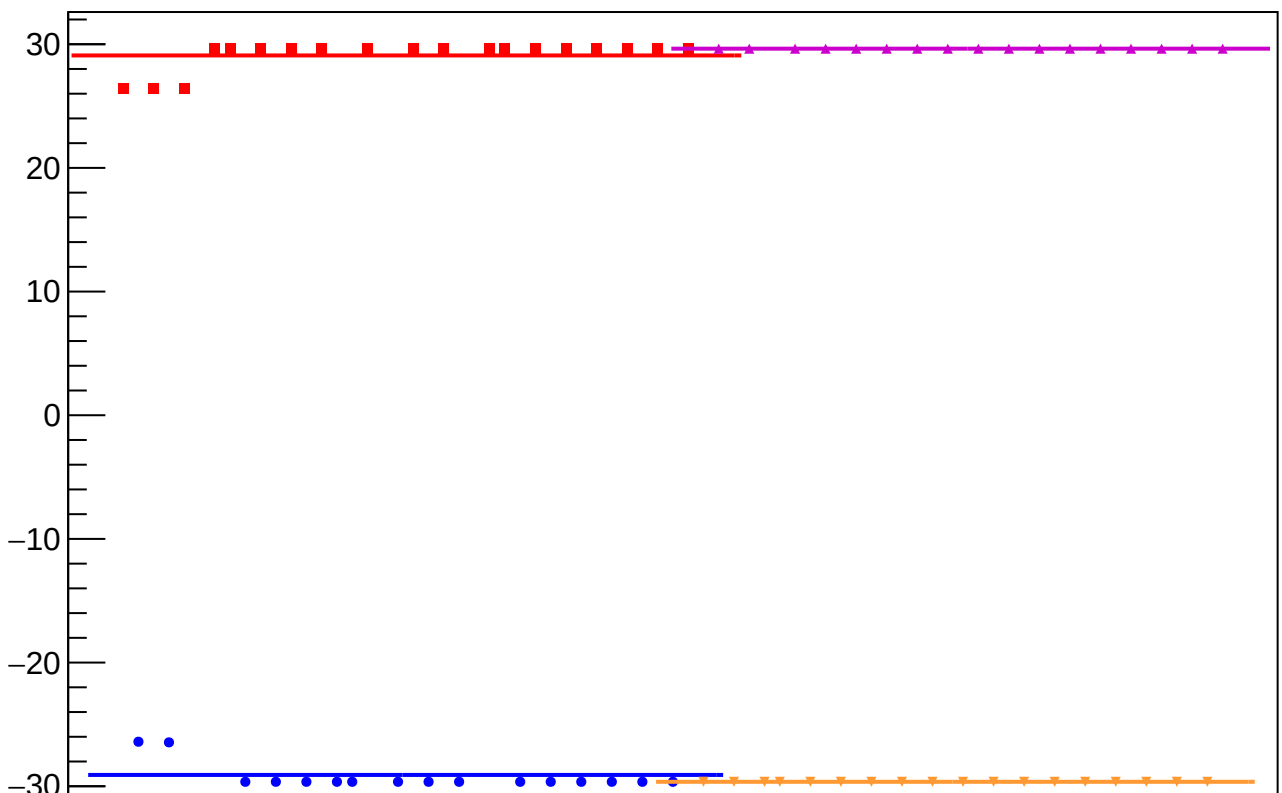
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.723+/-0.000 χ^2/NDF:331685778410405081

Out: -89.719+/-0.000 χ^2/NDF:3397315369997039

All: -1.027+/-0.000 χ^2/NDF: 3579966672105

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:213295.4/17

Right Out: 29.093+/-0.000 χ^2/NDF: 11252381567496928497978058997760000.0/18

Left In: 29.641+/-0.000 χ^2/NDF:86421.3/16

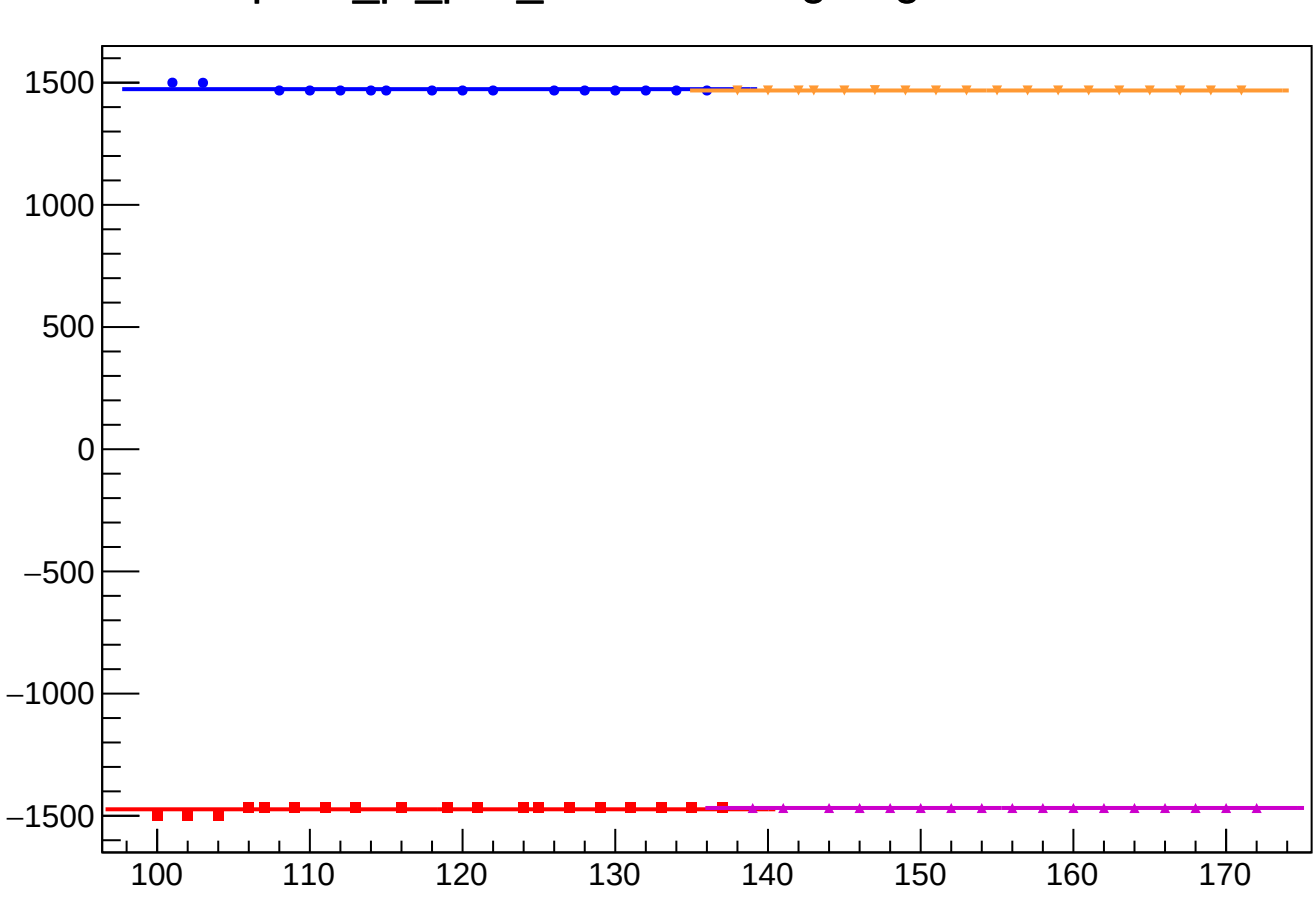
Left: -0.292+/-0.000 χ^2/NDF: 25853842191604810

Right: 0.429+/-0.000 χ^2/NDF: 12746007522578358

In: 9.843+/-0.000 χ^2/NDF:1695090564153389885

Out: -9.715+/-0.000 χ^2/NDF:17402368213704908

All: -0.048+/-0.000 χ^2/NDF: 3860502880143



Right In: 1473.467+/-0.000 χ^2/NDF: 10689419486070617687848579370477158 4.0/15

Left Out: 1468.069+/-0.000 χ^2/NDF:13766028095867447530265768257126 4.0/17

Right Out: -1473.393+/-0.000 χ^2/NDF: 10990949973340107876106784330062233 6.0/18

Left In: -1467.992+/-0.000 χ^2/NDF:13635470140690554821619482624 0.0/16

Left: 14.504+/-0.000 χ^2/NDF: 6341882297947677

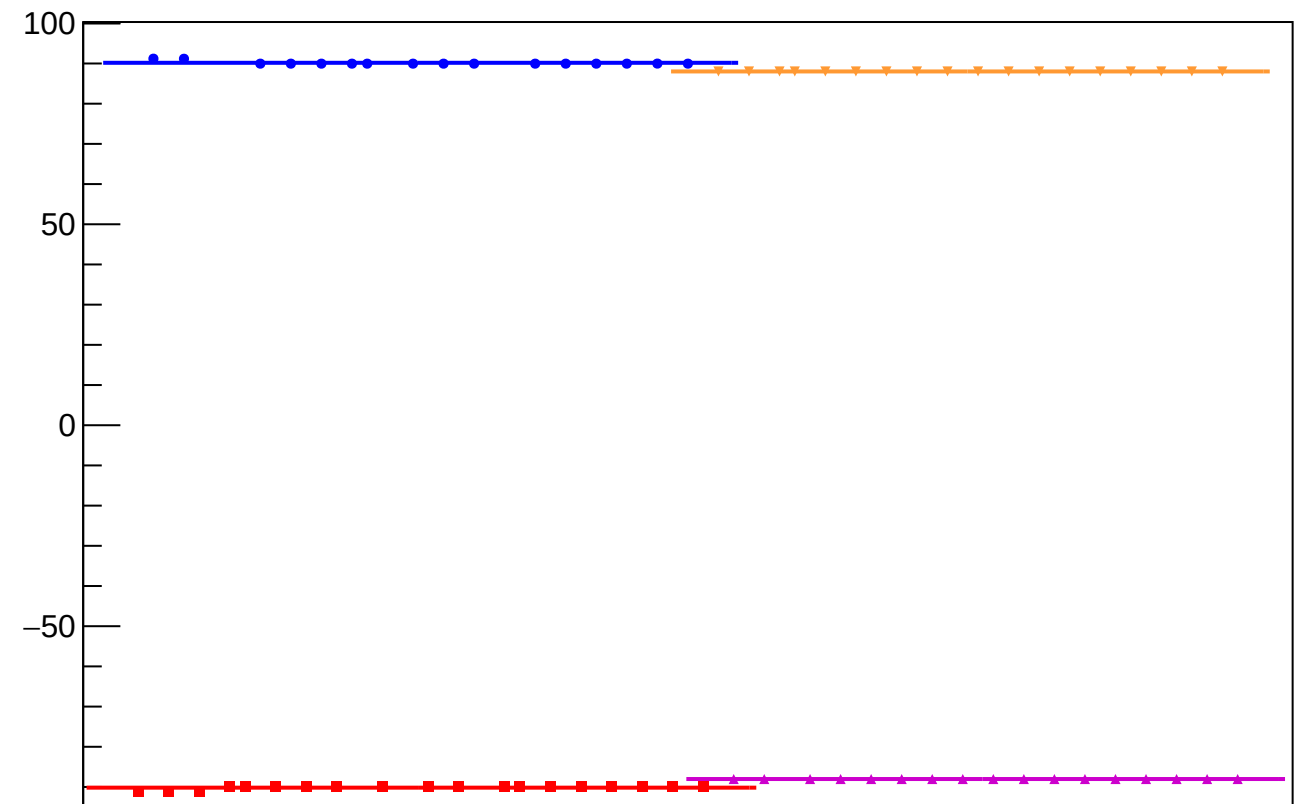
Right: -21.516+/-0.000 χ^2/NDF: 326469738591460

In: -476.353+/-0.000 χ^2/NDF:4249977932233254

Out: 470.143+/-0.000 χ^2/NDF:4362057086029995

All: 2.322+/-0.000 χ^2/NDF: 96078710788588

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:3850550.0/17

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: 0.867+/-0.000 χ^2/NDF: 227991028289733580

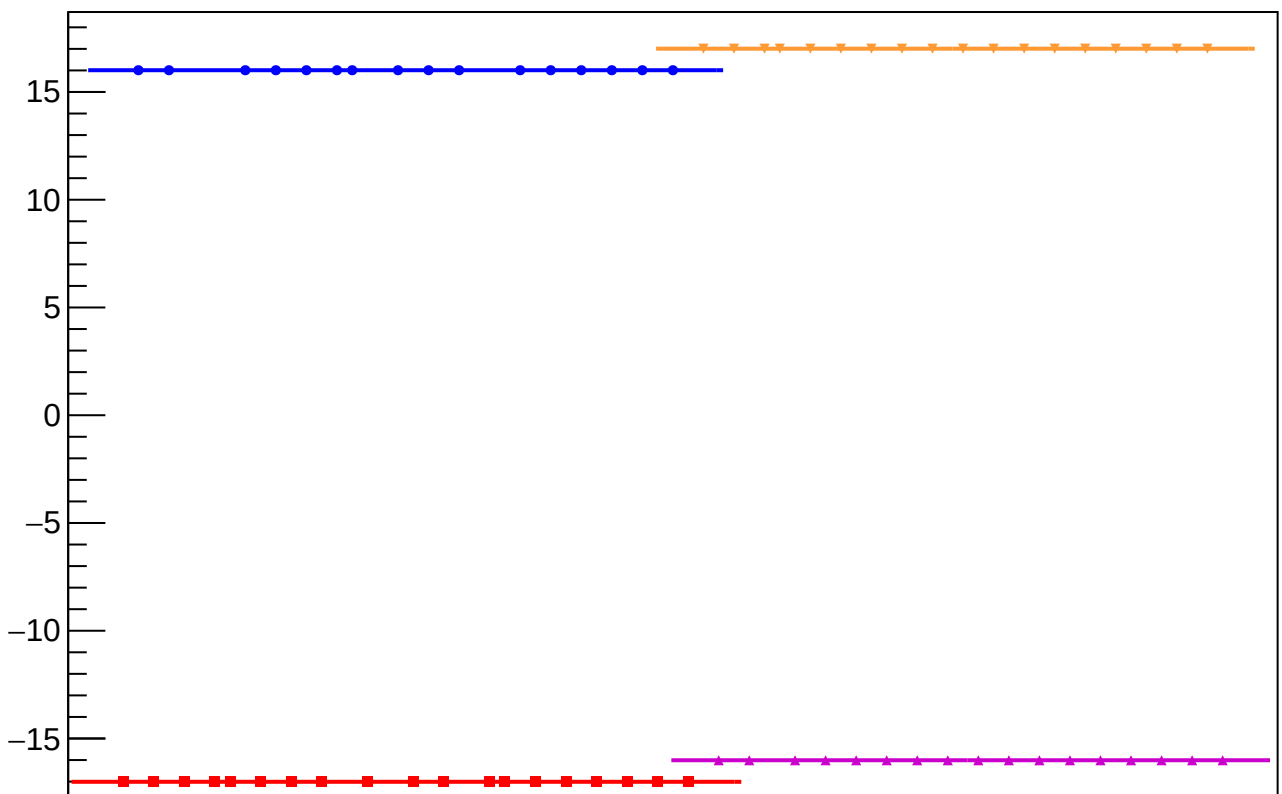
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: -27.947+/-0.000 χ^2/NDF:15596891450053029

Out: 27.568+/-0.000 χ^2/NDF:16007492030036783

All: 0.129+/-0.000 χ^2/NDF: 3503025701206

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:22323162862977472354320384.0/17

Right Out: -17.009+/-0.000 χ^2/NDF: 13878987313036743260766208.0/18

Left In: -16.009+/-0.000 χ^2/NDF:12295842610165332312064O.0/16

Left: 0.658+/-0.000 χ^2/NDF: 741288070638952893

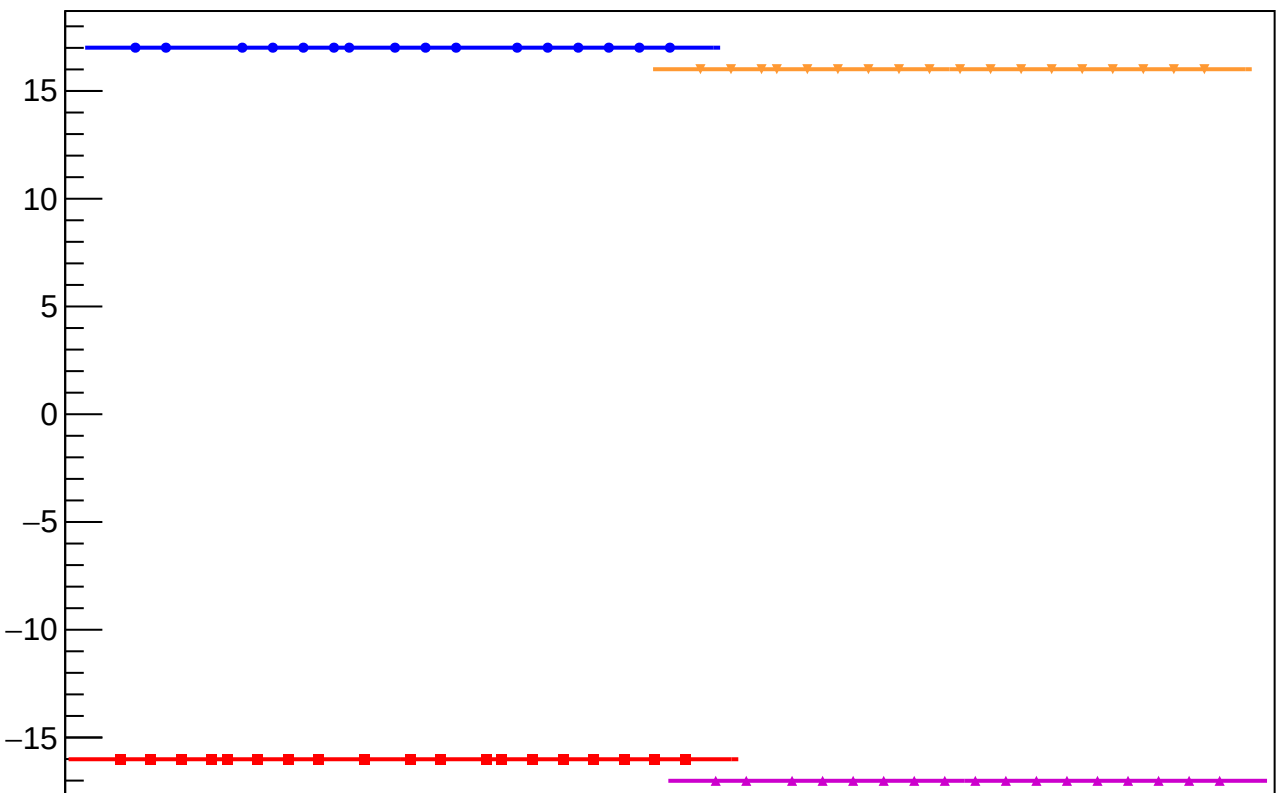
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: -5.040+/-0.000 χ^2/NDF:473120137019708973

Out: 5.598+/-0.000 χ^2/NDF:532972182983625863

All: 0.301+/-0.000 χ^2/NDF: 1122509526100

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:160372.3/17

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: -0.233+/-0.000 χ^2/NDF: 79212313858261547

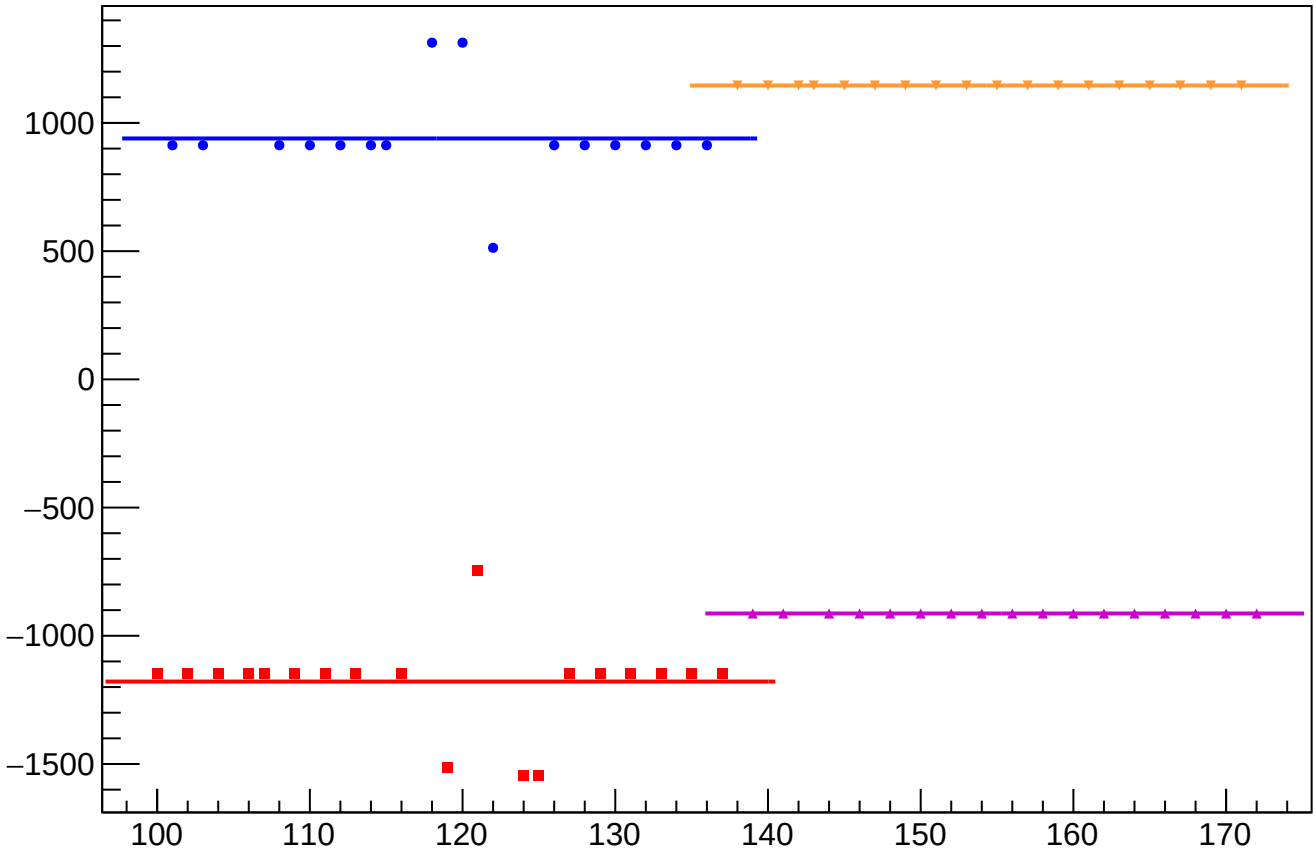
Right: -0.086+/-0.000 χ^2/NDF: 3990694435474134

In: -5.755+/-0.000 χ^2/NDF:54750435323495025

Out: 5.141+/-0.000 χ^2/NDF:513995383594222353

All: -0.184+/-0.000 χ^2/NDF: 1191213778398

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 126.653+/-0.000 χ^2/NDF: 3118912364143001

Right In: 939.446+/-0.000 χ^2/NDF: 21082933856092788763552768673189986304.0/15

Right: -135.024+/-0.000 χ^2/NDF: 17295046801044

Left Out: 1146.011+/-0.000 χ^2/NDF:5400380858546423943303004160.0/17

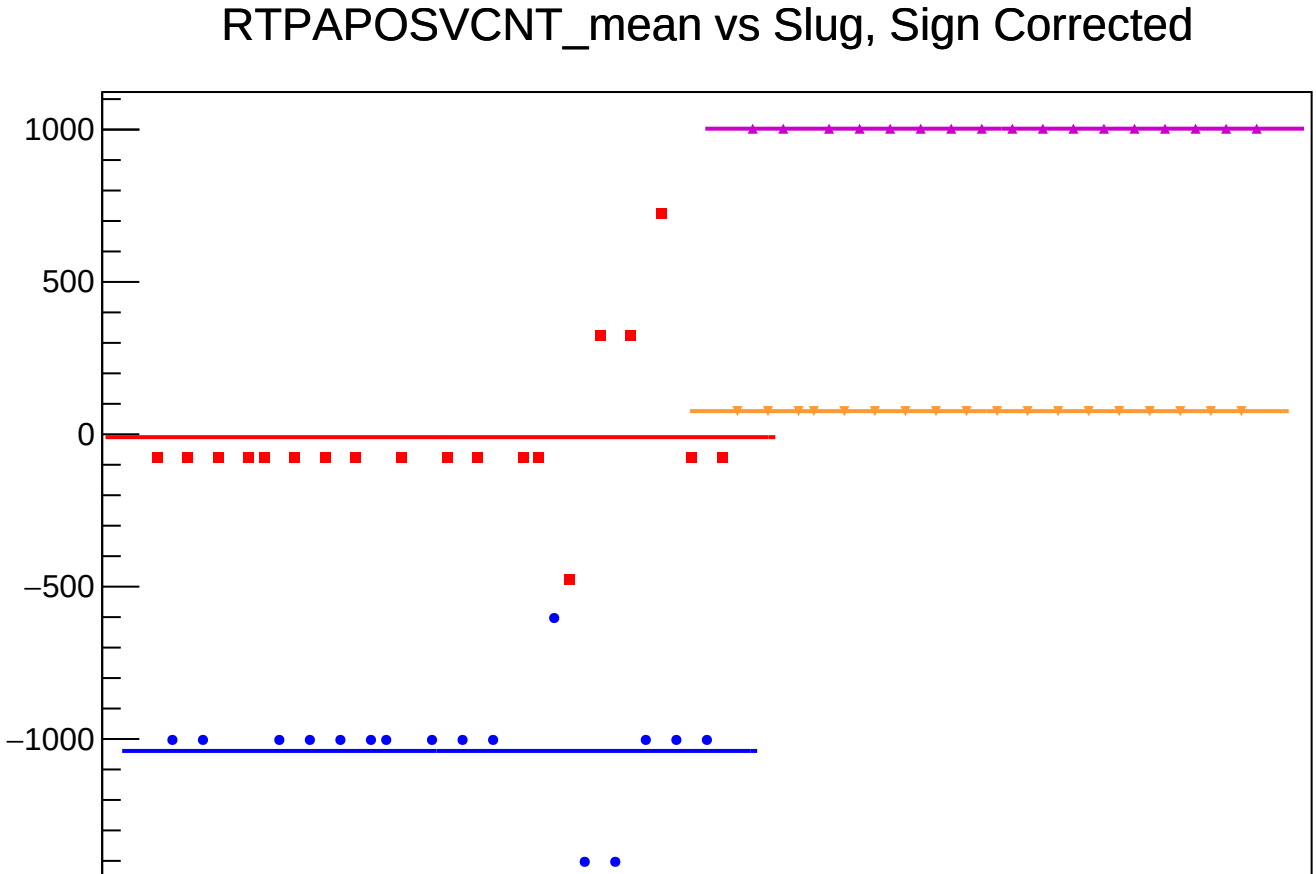
In: -288.491+/-0.000 χ^2/NDF:1706621233645217

Right Out: -1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

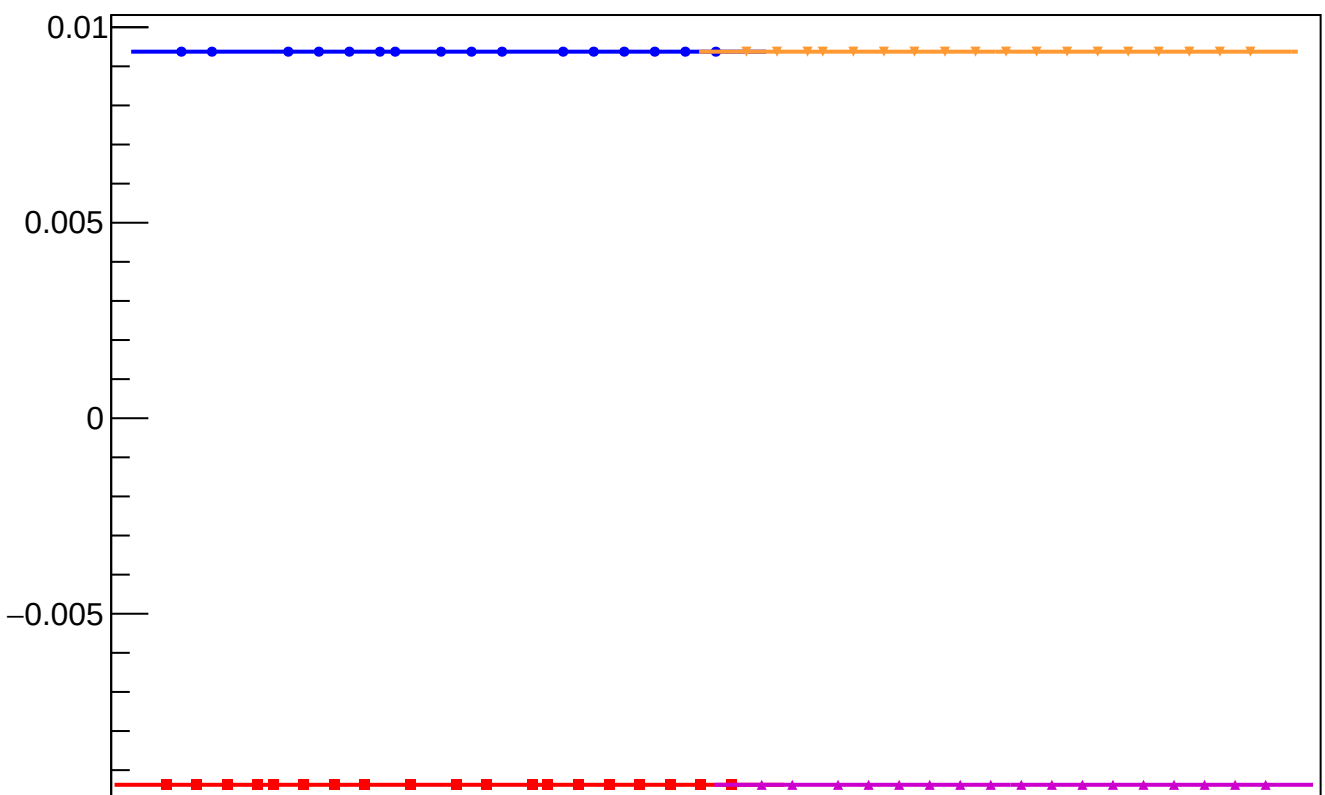
Out: 357.389+/-0.000 χ^2/NDF:2746234060611854

Left In: -912.994+/-0.000 χ^2/NDF:178490412838919266798109982720.0/16

All: 38.152+/-0.000 χ^2/NDF: 491657265448


RTPAPOSVCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
Left: 534.933+/-0.000 χ²/NDF: 6321606242417951
Right In: -1039.157+/-0.000 χ²/NDF: 228703773085071640027081015550845911104.0/15
Right: -516.762+/-0.000 χ²/NDF: 46752928412988
Left Out: 76.011+/-0.000 χ²/NDF:9832083674506890711868112896.0/17
In: 314.532+/-0.000 χ²/NDF:20713128744560905
Right Out: -9.430+/-0.000 χ²/NDF: 460573947349287664748937365260515409920/18
Out: 47.024+/-0.000 χ²/NDF:49737721406550973
Left In: 1002.990+/-0.000 χ²/NDF:2355265975002065372253782016.0/16
All: 179.244+/-0.000 χ²/NDF: 220059726266

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:0.0/17

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: 258636993501528234

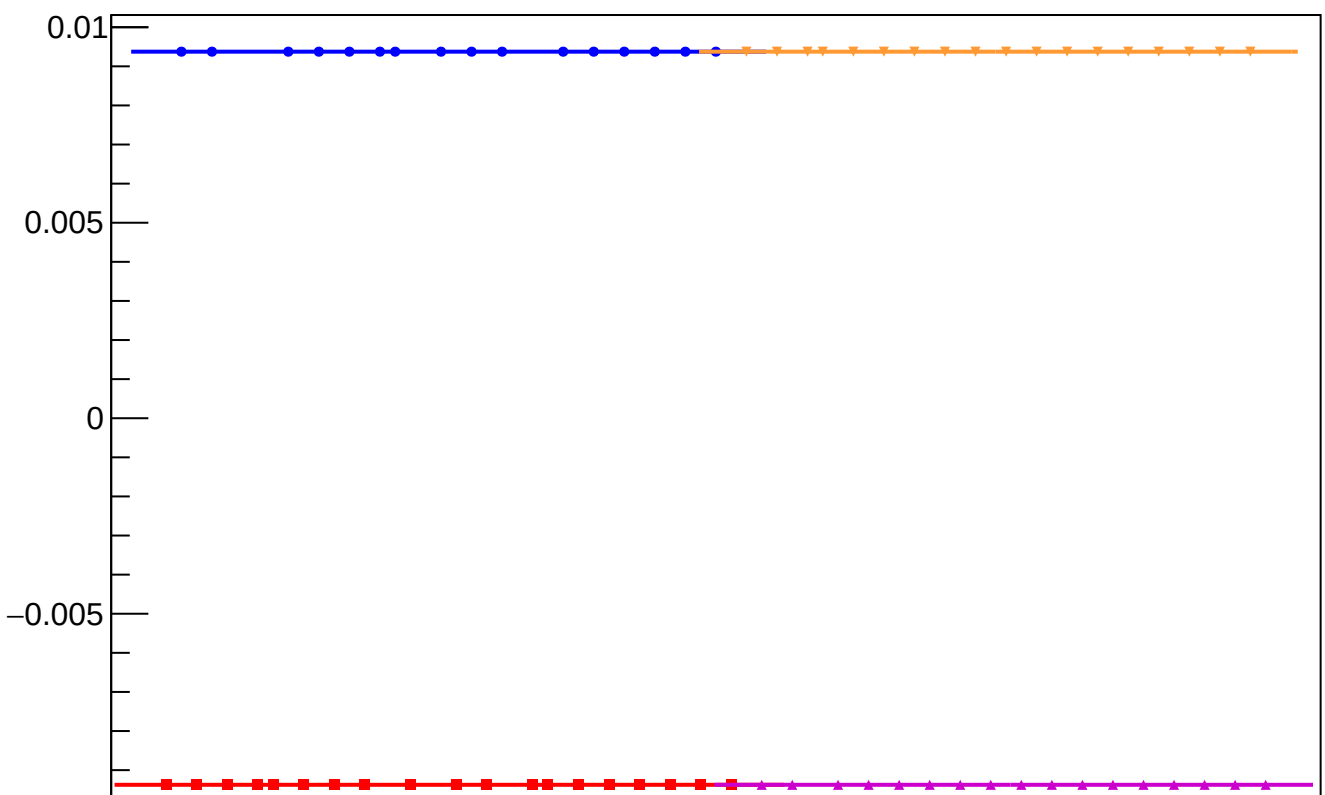
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:172684205101227976

Out: 0.003+/-0.000 χ^2/NDF:177237834871053412

All: 0.000+/-0.000 χ^2/NDF: 3908486409377

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:0.0/17

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: 258636993501528234

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:177237834871053412

All: 0.000+/-0.000 χ^2/NDF: 3908486409377